

<TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- “special subframe S” contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS
- Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Anritsu MT8820C (firmware: #22.52#004) was used for LTE output power measurements and SAR testing.

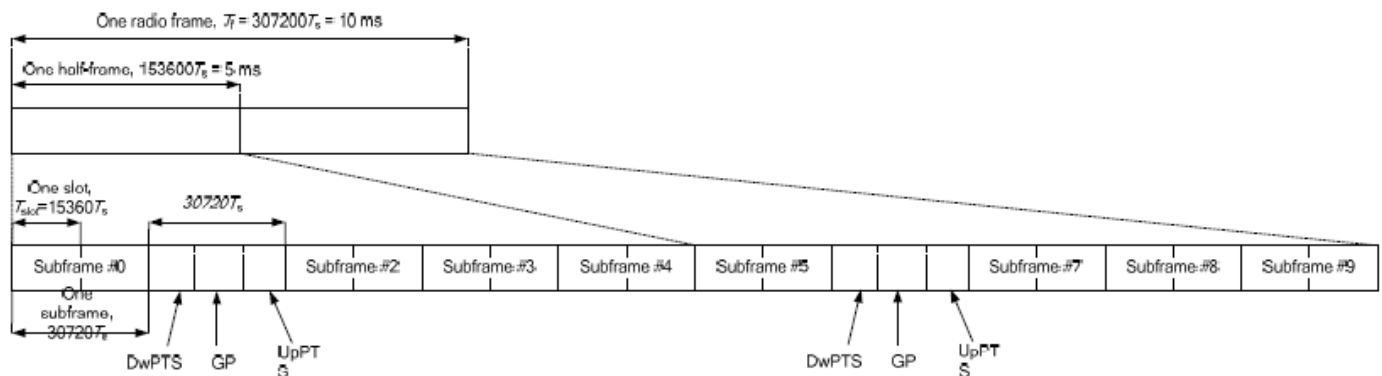


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$	-	-
8	$24144 \cdot T_s$			-		
9	$13168 \cdot T_s$			-	-	-

Special subframe (30720·T _s): Normal cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~4	7.13%	8.33%
	5~9	14.3%	16.7%

Special subframe(30720·T _s): Extended cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~3	7.13%	8.33%
	4~7	14.3%	16.7%

The highest duty factor is resulted from:

- Uplink-downlink configuration: 0. In a half-frame consisted of 5 subframes, uplink operation is in 3 uplink subframes and 1 special subframe.
- special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is:
 $(3+0.167)/5 = 63.3\%$
- for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is:
 $(3+0.143)/5 = 62.9\%$
- For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix $63.3\%/62.9\% = 1.006$ is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

<LTE Carrier Aggregation>

The detailed LTE Carrier Aggregation conducted power table can refer to Appendix F.

General Note:

1. Per Oct. 2024 TCB workshop, the downlink (DL) pertains to receiver functionality, thus it is not related to RF exposure compliance limits related to cumulative effects of different transmitters.
2. Per Oct. 2024 TCB workshop, equipment authorization applications shall refer to the worst-case UL powers resulting from all the possible modes of operations. Accordingly, CA-DL cases do not need to be analyzed separately, unless pertinent to establishing UL power setting.
3. Per Oct. 2024 TCB workshop, Manufacturer declares that TX power measurement for multiple DL CA configurations is deemed not required as the DL CA has no impact on the TX power according to preliminary scan. TX power measured in LTE standalone operation represents the worst case.
4. This device supports LTE carrier aggregation in the downlink. All uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.

LTE Carrier Aggregation Conducted Power (Uplink)

LTE Uplink CA	2CC Uplink Carrier Aggregation
Intra-band	Antenna Tx
CA_7C	Ant4/5/6/7
CA_38C	Ant4/5/6/7

<Intra-band>
General Note:

- i. The device supports intra-band uplink carrier aggregation for LTE B7/38 with a maximum of two uplink component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
- ii. According Nov. 2017 TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- iii. Additional SAR measurement for LTE UL CA with other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

<Inter-band uplink carrier aggregation consideration>

LTE Uplink CA	2CC Uplink Carrier Aggregation			
Inter-band	Antenna Tx	PA	Antenna Tx	PA
CA_2A-4A	B2 Ant4/5	Main_PA	B4 Ant6/7	Other_PA
CA_2A-7A	B2 Ant4/5	Main_PA	B7 Ant6/7	Other_PA
CA_4A-5A	B4 Ant6/7	Other_PA	B5 Ant0/1	Main_PA
CA_4A-7A	B4 Ant4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA	B7 Ant4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA

General Note:

1. The single carrier of inter band CA uplink power level is the same as Non-CA standalone LTE power level.
2. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmitting power for WWAN transmitter to ensure the product in compliance with FCC RF exposure limit over a defined time window. To control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is compliant to the regulation requirement.
3. For LTE inter-band CA mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure between two LTE bands. Smart Transmit algorithm controls the total RF exposure base on LTE inter CA bands to not exceed FCC limit.

5G NR Output Power (Unit: dBm)**General Note:**

1. 5G NR n2/n5/n7/n66/n38/n41/n77/n78 is NSA mode.
2. 5G NR n2/n5/n7/n12/n25/n26/n66/n71/n38/n41/n48/n77/n78 is SA mode.
3. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KDB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not ½ dB higher than the same configuration in DFT-s PI/2 BPSK and the reported SAR for the DFT-s PI/2 BPSK configuration is ≤ 1.45 W/kg; CP-OFDM testing is not required.
 - b. For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not ½ dB higher than the same configuration in the largest supported bandwidth.
 - c. SAR testing start with the largest channel bandwidth and measure SAR for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel
 - d. 50% RB allocation for PI/2 BPSK SAR testing follows 1RB PI/2 BPSK allocation procedure
 - e. PI/2 BPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested
 - f. QPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - g. Smaller bandwidth output power for each RB allocation configuration for this device will not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
4. For 5G NR, the simultaneous transmission analysis is used standalone SAR at total power level to show compliance.
5. NSA and SA mode should perform SAR separately. For the maximum power of NSA mode is the same as SA total power level, so SA SAR can represent NSA mode SAR.
6. 5G NR NSA mode, the power level is the same as 5G NR SA mode, so 5G NR NSA mode and SA mode power table only show one time.
7. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show DFT-s-OFDM power table and chose DFT-s-OFDM to perform SAR testing.
8. For DFT-s-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for the CP-OFDM mode will not higher than DFT-s-OFDM mode, therefore, CP-OFDM measurement is unnecessary.
9. When channel bandwidth of SA and NSA is same, the power level is the same as 5G NR SA mode, so 5G NR NSA mode and SA mode power table only show one time. When channel bandwidth of SA and NSA is different, chose the largest channel bandwidth mode among SA and NSA to perform power measurement.
10. For the NR bands, when channel bandwidth of SA and NSA is same, and the maximum power of NSA mode is same as SA total power level, SA SAR can represent NSA mode SAR. For the NR bands, when channel bandwidth of SA and NSA is different, choose the largest channel bandwidth with maximum power to perform SAR testing, so the largest channel bandwidth SAR can represent the smallest channel bandwidth SAR.
11. For 5G NR n41/n77/n78 HPUE, 5G NR n41/n77/n78 PC2 Maximum Duty Cycle is 50%, using FTM (Factory Test Mode) with 50% duty cycle is considered during SAR testing. For 5G NR other bands, using FTM to perform SAR with default 100% transmission.
12. This device supports HPUE mode for 5G NR n41/n77/n78 with higher power. For HPUE power is higher than power class 3 but with lower duty cycle, the maximum average power for class 2 and class 3 is almost the same, so we chose power class 3 full SAR testing and power class 2 verify the worst case of power class 3 SAR.
13. 5G NR n7/n41/n77 supports UL MIMO. Based on Qualcomm Smart Transmit algorithm, the MIMO antennas located in same AGs and the MIMO Plimit is not populated in the EFS file, so additional verification tests need to be added, the more detail UL MIMO analysis results please referred to appendix H.

<3GPP 38.101 MPR for EN-DC>
Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
		$\leq 0.5^2$	$\leq 0.5^2$	0 ²
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM	≤ 2.5		
CP-OFDM	256 QAM	≤ 4.5		
	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5	≤ 2.5	
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

<EN-DC combination>

ENDC	Main Antenna Tx			
	LTE TX	PA	NR TX	PA
DC_2A_n7A	B2:ANT4/5	Main PA	n7 Ant6/7	Other_PA
DC_2A_n38A	B2:ANT4/5	Main PA	n38 Ant4/5/6/7	Other_PA
DC_2A_n41A	B2:ANT4/5	Main PA	n41 Ant4/5/6/7	Other_PA
DC_2A_n66A	B2:ANT4/5	Main PA	n66 Ant6/7	Other_PA
DC_2A_n77A	B2:ANT4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA	n77 Ant4/5/10/19	Ant4/5Main_PA Ant10/19 Other_PA
DC_2A_n78A	B2:ANT4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA	n78 Ant4/5/10/19	Ant4/5Main_PA Ant10/19 Other_PA
DC_26A_n78A	B26 Ant0/1	Main_PA	n78 Ant4/5/10/19	Other_PA
DC_38A_n78A	B38 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n78 Ant4/5/10/19	Ant4/5Main_PA Ant10/19 Other_PA
DC_41A_n77A	B41 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n77 Ant4/5/10/19	Ant4/5Main_PA Ant10/19 Other_PA
DC_41A_n78A	B41 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n78 Ant4/5/10/19	Ant4/5Main_PA Ant10/19 Other_PA
DC_4A_n7A	B4 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n7 Ant4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA
DC_4A_n2A	B4 Ant4/5	Main PA	n2 Ant6/7	Other_PA
DC_4A_n38A	B4 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n38 Ant4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA
DC_4A_n41A	B4 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n41 Ant4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA
DC_4A_n78A	B4 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n78 Ant4/5/10/19	Ant4/5Main_PA Ant10/19 Other_PA



DC_5A_n66A	B5 Ant0/1	Main PA	n66 Ant6/7	Other_PA
DC_5A_n38A	B5 Ant0/1	Main PA	n38 Ant4/5/6/7	Other_PA
DC_5A_n41A	B5 Ant0/1	Main PA	n41 Ant4/5/6/7	Other_PA
DC_5A_n78A	B5 Ant0/1	Main PA	n78 Ant4/5/10/19	Other_PA
DC_5A_n7A	B5 Ant0/1	Main PA	n7 Ant6/7	Other_PA
DC_66A_n2A	B66 Ant4/5	Main PA	n2 Ant6/7	Other_PA
DC_66A_n7A	B66 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n7 Ant4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA
DC_66A_n38A	B66 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n38 Ant4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA
DC_66A_n41A	B66 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n41 Ant4/5/6/7	Ant4/5Main_PA Ant6/7Other_PA
DC_66A_n78A	B66 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n78 Ant4/5/10/19	Ant4/5Main_PA Ant10/19 Other_PA
DC_7A_n2A	B7 Ant4/5	Main PA	n2 Ant6/7	Other_PA
DC_7A_n5A	B7 Ant6/7	Other_PA	n5 ANT0/1	Main_PA
DC_7A_n66A	B7 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n66 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA
DC_7A_n78A	B7 Ant4/5/6/7	Ant4/5Main_PA Ant6/7 Other_PA	n78 Ant4/5/10/19	Ant4/5Main_PA Ant10/19 Other_PA
DC_13A_n66A	B13 Ant0/1	Main PA	n66 Ant6/7	Other_PA

UL MIMO combination:

NR UL MIMO	Antenna Tx	PA
n7	Ant4+6	Main PA/Other PA
	Ant4+7	Main PA/Other PA
	Ant5+6	Main PA/Other PA
	Ant5+7	Main PA/Other PA
n38	Ant4+6	Main PA/Other PA
	Ant4+7	Main PA/Other PA
	Ant5+6	Main PA/Other PA
	Ant5+7	Main PA/Other PA
n41	Ant4+6	Main PA/Other PA
	Ant4+7	Main PA/Other PA
	Ant5+6	Main PA/Other PA
	Ant5+7	Main PA/Other PA
n77	Ant4+10	Main PA/Other PA
	Ant4+19	Main PA/Other PA
	Ant5+10	Main PA/Other PA
	Ant5+19	Main PA/Other PA
n78	Ant4+10	Main PA/Other PA
	Ant4+19	Main PA/Other PA
	Ant5+10	Main PA/Other PA
	Ant5+19	Main PA/Other PA

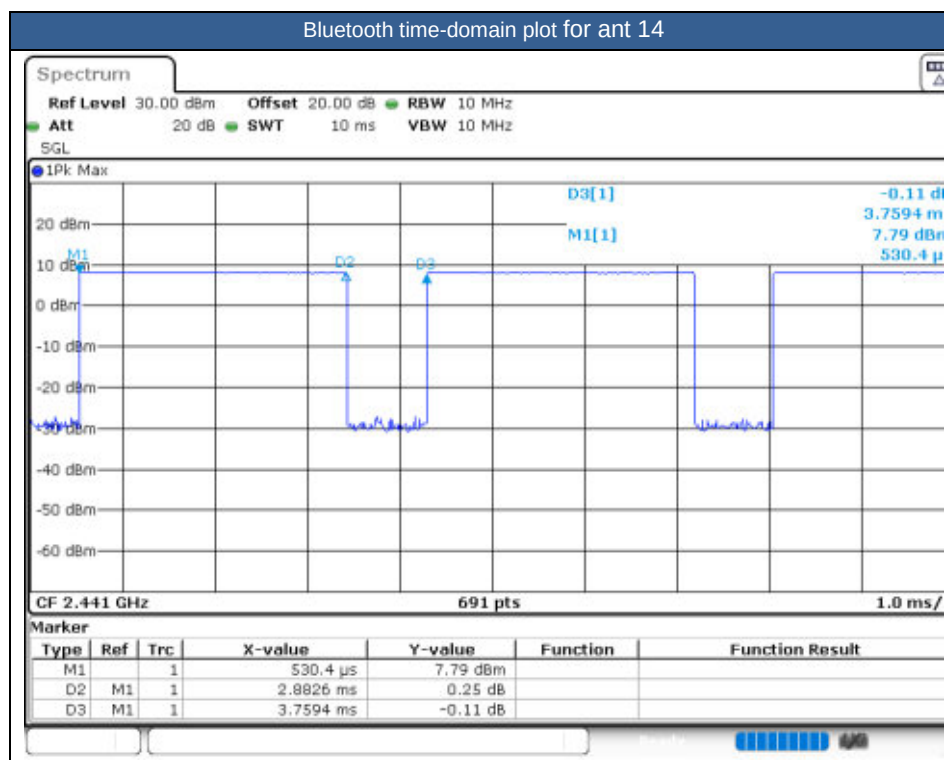
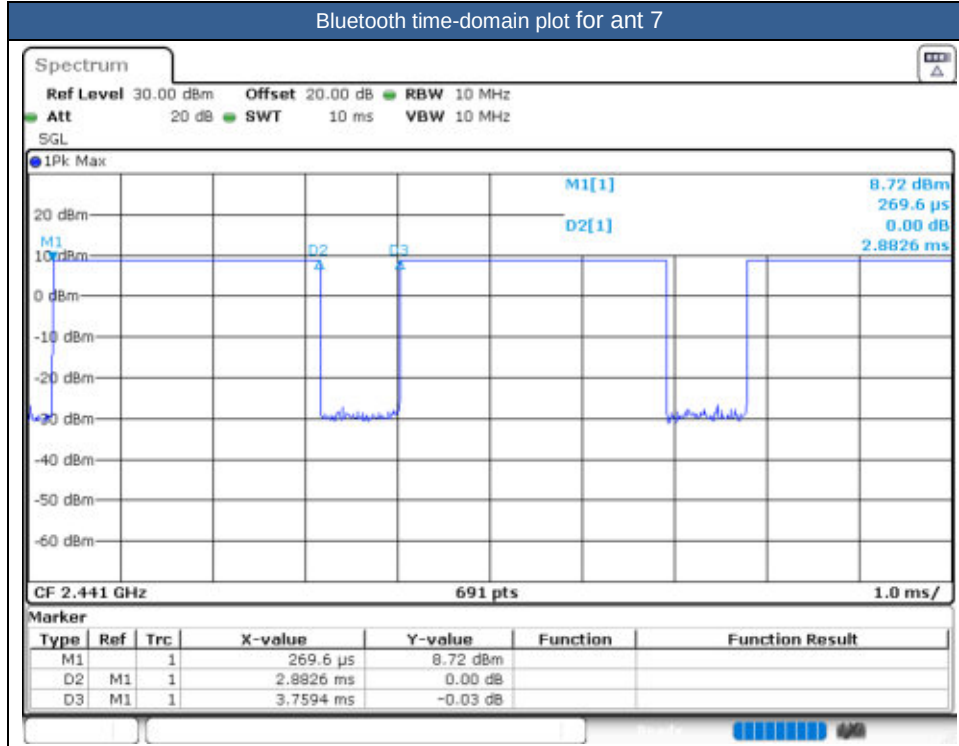
<WLAN Conducted Power>**General Note:**

1. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration. Additional output power measurements were not necessary.
2. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
3. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
4. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
5. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
 - a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
 - c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
6. 802.11 ax/be supports both full tone size mode and partial tone size mode, after verification on partial tone size mode that partial size tone mode power will not be higher than full tone size mode, therefore, full tone mode power was chosen to be measured in this report.
7. SISO and MIMO all supported by WLAN2.4GHz/WLAN5GHz/WLAN6GHz, for SISO mode power is less than per chain power of MIMO mode. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power, so only chose MIMO mode to perform SAR testing. However, in order to do SISO simultaneous transmission, additional tested the the WLAN 2.4G SISO antenna.
8. For the conducted power measurement is MIMO chains transmitting simultaneously and measured the separately conducted power for both chains and then based on the conducted power of two antennas respectively to calculate sum of the power for MIMO mode.

<2.4GHz Bluetooth>

General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
2. The Bluetooth duty cycle are 76.68% for ant 7 and 76.68% for ant 14 as following figure, Bluetooth SAR scaling need further consideration and the theoretical duty cycle is 83.3%, therefore the actual duty cycle will be scaled up to the theoretical value of Bluetooth reported SAR calculation.





15. Antenna Location

The detailed antenna location information can refer to SAR Test Setup Photos.

16. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For SAR testing of Bluetooth signal with 83.3% theoretical duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle) *83.3%".
 - d. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - e. For BT/WLAN: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - f. For TDD LTE SAR measurement of power class 3, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The reported TDD LTE SAR (W/kg) = Measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8 W/kg. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. The device implements proximity sensor/receiver detection/hotspot mode for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity) and the Qualcomm smart transmit will manage to ensure the power level not exceeding the associated power table. Details about the sensor detection are provided in the operational description. And the device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to power table at appendix E.
6. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power (for handheld on state, the maximum full power means reduced power), including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.
 - a. WLAN 5.3/5.5GHz/6GHz tested the product specific 10g SAR since it has no hotspot mode.
 - b. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.
7. According to Nov. 2017 TCB workshop, when the reported 1gSAR for UL CA configuration is <1.2 W/kg, UL CA 1gSAR is not required for all required test channels (PCC based).
8. SAR is not required because the distance from the antenna to the edge is > 25 mm as per KDB 941225 D06 Hotspot SAR.
9. For Phablet devices, when hotspot mode is not supported, Product specific 10-g SAR is required for all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge in direct contact with a flat phantom, to address interactive hand use exposure conditions.
10. LTE B42 and 5GNR n38/n41/n77/n78 at ant4/5 support different PAs for same antennas. And some LTE/NR bands support Other PA only under ENDC& UL CA. Some LTE/NR bands support different PAs for some antennas, whether it is the maximum power of Main PA is higher than and very close to the other PA, for RF exposure, after verification all PAs in a same position, so the worst-case PA was chosen to perform full SAR testing to ensure the RF exposure is compliance and another PA verified the worst case.
11. For WLAN 6GHz doesn't support wireless router capability.
12. Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factors.

13. Per October 2020 TCB Workshop Interim procedures, start instead with a minimum of 5 test channels across the full band, then adapt and apply conducted power and SAR test reduction procedures of KDB Pub. 248227 v02r02.
14. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements.
15. Per October 2022 TCB Workshop, IPD and SAR test frequencies for 5.85-7.125 GHz portable devices, continue with adapt and apply conducted power-based channel picks and test reduction procedures of KDB 248227 (v02r02), also in case of 320 MHz (pre-802.11be).
16. For determination of the scaling factor for report SAR of MIMO mode, if the hot spots are separated the scaling factors are individually determined from each transmit chain. Further simplification chose the worse SAR value and the worst scaling factor from each transmit chain perform reported SAR calculation conservatively. If the hot spots are not spatially separated, the scaling factor is determined from the worst number of each transmit chain.
17. Since the EUT's rear camera is protruding and the EUT has multiple TX ants distributed in various positions of the mobile phone, to be conservative evaluation, two reference surfaces for back sides with 5mm distance were considered to test at the body exposure condition and different reference surfaces for back sides of different ants with 0mm distance were considered to test at the extremity exposure condition. For details please refer to test set up photos.
18. The device for LTE Band 48/5GNR n48 SAR testing was configured by the 3GPP MPR implementations and in order to more conservative RF exposure assessment to determine SAR compliance, the actual maximum output power in production unit refer to Part 96 report and tune up document.

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

WCDMA Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA / HSPA+ is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA / HSPA+ to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA / HSPA+) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, for QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM/64QAM/256QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM/64QAM/256QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4 / B5 / B12 / B17 / B26 / B38 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE B2 / B17 / B4 / B5 / B38 SAR test was covered by B25 / B12 / B66 / B26 / B41; according to April 2015 TCB workshop,

SAR test for overlapping LTE bands can be reduced if

- a. the maximum output power, including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion
- b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band

5G NR Note:

1. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. SAR testing start with the largest channel bandwidth and measure SAR for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
 - b. 50% RB allocation for PI/2 BPSK SAR testing follows 1RB PI/2 BPSK allocation procedure.
 - c. PI/2 BPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - d. QPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not $\frac{1}{2}$ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK /16QAM /64QAM/256QAM SAR testing are not required.
 - e. Smaller bandwidth output power for each RB allocation configuration for this device will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
 - f. For 5G FR1 n2/n5/n25 /n26/n66 /n38/n41 /n77 the maximum bandwidth does not support three non-overlapping channels, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

WLAN/Bluetooth Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

Power Density General Notes:

1. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
2. Batteries are fully charged at the beginning of the measurements.
3. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements.
4. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
5. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
6. Per FCC guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor.
7. Per April 2021 TCB Workshop and KDB 388624 D02v18r08, For the highest SAR test configurations also measure incident PD (total) using power-density reconstruction method in 2 mm closest measurement plane.
8. Per October 2020 TCB Workshop, PTP-PR algorithm was used during psPD measurement and calculations.
9. Since this device is considered a phablet and there is no different PD limit on different exposure conditions, therefore select highest phablet SAR at 0 mm test distance and configurations evaluate power density. Since there is no different PD limit on different exposure conditions, therefore the PD test was performed of a 2mm separation between Probe sensor and EUT surface to cover Head exposure conditions (Front) at head power level and other exposure conditions at body power level of Phone respectively.
10. The measurement procedure consists of measuring the PD_{inc} at two different distances: 2 mm (compliance distance) and $\lambda/5$. The grid extents should be large enough to fully capture the transmitted energy. The grid step should be fine enough to demonstrate that the integrated Power Density iPD_n fulfill the criterion described below. Since iPD ratio between the two distances is ≥ -1 dB, the grid step (0.0625) was sufficient for determining compliance at d=2mm.

$$10 \cdot \log_{10} \frac{iPD_n(2mm)}{iPD_n(\lambda/5)} \geq -1$$

DSI status description:

The device has the following DSI state which used at different exposure condition.

This WWAN/WLAN/BT bands enabled with Qualcomm Smart Transmit feature which located at chapter 5. The default power is P_{max} power, When P_{limit} power higher than P_{max} power, the output power will be limited at P_{max}, and so the SAR will use P_{max} power to do the testing.

Exposure Condition	DSI	Trigger conditions
Head SAR	DSI 1	Earpiece On
Hotspot SAR	DSI 5	Hotspot On
Body worn SAR	DSI 3	Sensor On
Body worn SAR (Sensor Trigger Distance -1mm)	DSI 4	Sensor Off/ receiver off
Extremity SAR	DSI 3	Sensor On
Extremity SAR (Sensor Trigger Distance -1mm)	DSI 4	Sensor Off/ receiver off



16.1 Head SAR

【GSM SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 0	DSI1	189	836.4	27.41	28.00	1.146	0.02	0.205	0.235	
	GSM850	GPRS 4 Tx slots	Right Tilted	0mm	Ant 0	DSI1	189	836.4	27.41	28.00	1.146	-0.08	0.086	0.099	
	GSM850	GPRS 4 Tx slots	Left Cheek	0mm	Ant 0	DSI1	189	836.4	27.41	28.00	1.146	-0.07	0.118	0.135	
	GSM850	GPRS 4 Tx slots	Left Tilted	0mm	Ant 0	DSI1	189	836.4	27.41	28.00	1.146	-0.16	0.082	0.094	
	GSM850	GPRS 4 Tx slots	Right Cheek	0mm	Ant 1	DSI1	189	836.4	24.57	26.00	1.39	0.12	0.324	0.451	
	GSM850	GPRS 4 Tx slots	Right Tilted	0mm	Ant 1	DSI1	189	836.4	24.57	26.00	1.39	0.05	0.057	0.079	
	GSM850	GPRS 4 Tx slots	Left Cheek	0mm	Ant 1	DSI1	189	836.4	24.57	26.00	1.39	-0.05	0.582	0.809	
	GSM850	GPRS 4 Tx slots	Left Cheek	0mm	Ant 1	DSI1	128	824.2	24.54	26.00	1.4	0.12	0.585	0.819	
01	GSM850	GPRS 4 Tx slots	Left Cheek	0mm	Ant 1	DSI1	251	848.8	24.48	26.00	1.419	-0.03	0.631	0.895	
	GSM850	GPRS 4 Tx slots	Left Tilted	0mm	Ant 1	DSI1	189	836.4	24.57	26.00	1.39	-0.08	0.086	0.119	
	GSM1900	GPRS 4 Tx slots	Right Cheek	0mm	Ant 4	DSI1	661	1880	21.85	22.50	1.161	-0.15	0.556	0.646	
	GSM1900	GPRS 4 Tx slots	Right Tilted	0mm	Ant 4	DSI1	661	1880	21.85	22.50	1.161	0.00	0.590	0.685	
	GSM1900	GPRS 4 Tx slots	Left Cheek	0mm	Ant 4	DSI1	661	1880	21.85	22.50	1.161	-0.09	0.289	0.335	
	GSM1900	GPRS 4 Tx slots	Left Tilted	0mm	Ant 4	DSI1	661	1880	21.85	22.50	1.161	-0.04	0.400	0.464	
	GSM1900	GPRS 4 Tx slots	Right Cheek	0mm	Ant 5	DSI1	661	1880	22.35	23.50	1.303	-0.07	0.710	0.925	
02	GSM1900	GPRS 4 Tx slots	Right Cheek	0mm	Ant 5	DSI1	512	1850.2	22.33	23.50	1.309	-0.11	0.835	1.093	
	GSM1900	GPRS 4 Tx slots	Right Cheek	0mm	Ant 5	DSI1	810	1909.8	22.31	23.50	1.315	-0.01	0.756	0.994	
	GSM1900	GPRS 4 Tx slots	Right Tilted	0mm	Ant 5	DSI1	661	1880	22.35	23.50	1.303	0.08	0.224	0.291	
	GSM1900	GPRS 4 Tx slots	Left Cheek	0mm	Ant 5	DSI1	661	1880	22.35	23.50	1.303	0.14	0.210	0.274	
	GSM1900	GPRS 4 Tx slots	Left Tilted	0mm	Ant 5	DSI1	661	1880	22.35	23.50	1.303	0.13	0.101	0.132	

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI1	9400	1880	18.75	19.50	1.189	0.07	0.733	0.871	
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI1	9262	1852.4	18.70	19.50	1.202	0.11	0.755	0.908	
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI1	9538	1907.6	18.72	19.50	1.197	-0.17	0.697	0.834	
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI1	9400	1880	18.75	19.50	1.189	0.03	0.791	0.940	
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI1	9262	1852.4	18.70	19.50	1.202	-0.12	0.770	0.925	
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI1	9538	1907.6	18.72	19.50	1.197	-0.06	0.742	0.888	
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DSI1	9400	1880	18.75	19.50	1.189	-0.14	0.434	0.516	
	WCDMA II	RMC 12.2Kbps	Left Tilted	0mm	Ant 4	DSI1	9400	1880	18.75	19.50	1.189	0.08	0.564	0.670	
03	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 5	DSI1	9400	1880	17.90	19.10	1.318	-0.00	0.827	1.090	
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 5	DSI1	9262	1852.4	17.89	19.10	1.321	0.14	0.808	1.068	
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Ant 5	DSI1	9538	1907.6	17.85	19.10	1.334	-0.09	0.775	1.034	
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Ant 5	DSI1	9400	1880	17.90	19.10	1.318	0.00	0.290	0.382	
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Ant 5	DSI1	9400	1880	17.90	19.10	1.318	0.13	0.263	0.347	
	WCDMA II	RMC 12.2Kbps	Left Tilted	0mm	Ant 5	DSI1	9400	1880	17.90	19.10	1.318	-0.13	0.123	0.162	
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 4	DSI1	1413	1732.6	17.93	18.50	1.14	0.01	0.684	0.780	
	WCDMA IV	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI1	1413	1732.6	17.93	18.50	1.14	-0.12	0.796	0.907	
	WCDMA IV	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI1	1312	1712.4	17.72	18.50	1.197	0.01	0.745	0.892	
	WCDMA IV	RMC 12.2Kbps	Right Tilted	0mm	Ant 4	DSI1	1513	1752.6	17.68	18.50	1.208	0.01	0.799	0.965	
	WCDMA IV	RMC 12.2Kbps	Left Cheek	0mm	Ant 4	DSI1	1413	1732.6	17.93	18.50	1.14	-0.13	0.330	0.376	
	WCDMA IV	RMC 12.2Kbps	Left Tilted	0mm	Ant 4	DSI1	1413	1732.6	17.93	18.50	1.14	0.02	0.459	0.523	
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 5	DSI1	1413	1732.6	17.39	18.50	1.291	0.05	0.762	0.983	
	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 5	DSI1	1312	1712.4	17.37	18.50	1.297	0.01	0.679	0.881	
04	WCDMA IV	RMC 12.2Kbps	Right Cheek	0mm	Ant 5	DSI1	1513	1752.6	17.37	18.50	1.297	-0.07	0.799	1.036	
	WCDMA IV	RMC 12.2Kbps	Right Tilted	0mm	Ant 5	DSI1	1413	1732.6	17.39	18.50	1.291	0.11	0.263	0.340	
	WCDMA IV	RMC 12.2Kbps	Left Cheek	0mm	Ant 5	DSI1	1413	1732.6	17.39	18.50	1.291	-0.12	0.246	0.317	
	WCDMA IV	RMC 12.2Kbps	Left Tilted	0mm	Ant 5	DSI1	1413	1732.6	17.39	18.50	1.291	-0.05	0.114	0.147	
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI1	4182	836.4	24.52	25.00	1.117	-0.02	0.302	0.337	
	WCDMA V	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI1	4182	836.4	24.52	25.00	1.117	-0.09	0.150	0.167	
	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI1	4182	836.4	24.52	25.00	1.117	0.02	0.201	0.224	
	WCDMA V	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI1	4182	836.4	24.52	25.00	1.117	-0.11	0.119	0.133	
	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI1	4182	836.4	22.09	22.70	1.151	-0.17	0.512	0.590	
	WCDMA V	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI1	4182	836.4	22.09	22.70	1.151	-0.03	0.093	0.107	
	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI1	4182	836.4	22.09	22.70	1.151	-0.02	0.801	0.922	
	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI1	4132	826.4	21.95	22.70	1.189	-0.07	0.798	0.949	
05	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI1	4233	846.6	22.02	22.70	1.169	0.03	0.833	0.974	
	WCDMA V	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	DSI1	4182	836.4	22.09	22.70	1.151	-0.07	0.117	0.135	



【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
06	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DS11	21100	2535	16.69	17.20	1.125			0.10	0.579	0.651	
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DS11	21100	2535	16.62	17.20	1.143			-0.03	0.576	0.658	
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DS11	21100	2535	16.69	17.20	1.125			0.03	0.619	0.696	
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DS11	21100	2535	16.62	17.20	1.143			0.07	0.606	0.693	
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DS11	21100	2535	16.69	17.20	1.125			0.11	0.280	0.315	
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DS11	21100	2535	16.62	17.20	1.143			-0.06	0.273	0.312	
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DS11	21100	2535	16.69	17.20	1.125			-0.10	0.284	0.320	
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DS11	21100	2535	16.62	17.20	1.143			0.11	0.282	0.323	
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DS11	21100+20902	2535+2515.2	16.62	17.20	1.143			0.03	0.578	0.661	UL CA
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DS11	21100	2535	17.95	18.20	1.059			0.05	0.625	0.662	
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DS11	21100	2535	17.91	18.20	1.069			-0.06	0.614	0.656	
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DS11	21100	2535	17.95	18.20	1.059			0.18	0.266	0.282	
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DS11	21100	2535	17.91	18.20	1.069			0.15	0.268	0.287	
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DS11	21100	2535	17.95	18.20	1.059			-0.15	0.163	0.173	
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DS11	21100	2535	17.91	18.20	1.069			-0.05	0.165	0.176	
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DS11	21100	2535	17.95	18.20	1.059			-0.10	0.104	0.110	
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DS11	21100	2535	17.91	18.20	1.069			0.04	0.105	0.112	
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DS11	21100+20902	2535+2515.2	17.91	18.20	1.069			-0.15	0.587	0.628	UL CA
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 6	DS1 1	21100	2535	24.52	25.50	1.253			0.05	0.103	0.129	
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 6	DS1 1	21100	2535	23.53	24.50	1.25			0.08	0.084	0.105	
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 6	DS1 1	21100	2535	24.52	25.50	1.253			-0.05	0.054	0.068	
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 6	DS1 1	21100	2535	23.53	24.50	1.25			-0.05	0.043	0.054	
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DS1 1	21100	2535	24.52	25.50	1.253			0.06	0.147	0.184	
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 6	DS1 1	21100	2535	23.53	24.50	1.25			0.07	0.112	0.140	
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 6	DS1 1	21100	2535	24.52	25.50	1.253			-0.07	0.037	0.046	
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 6	DS1 1	21100	2535	23.53	24.50	1.25			0.09	0.001	0.001	
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DS1 1	21100+20902	2535+2515.2	23.64	24.50	1.219			0.02	0.132	0.161	UL CA
	LTE Band 7	20M	QPSK	1	0	Right Cheek	0mm	Ant 7	DS1 1	21100	2535	18.05	19.40	1.365			-0.15	0.219	0.298	
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Ant 7	DS1 1	21100	2535	18.03	19.40	1.371			0.18	0.220	0.301	
	LTE Band 7	20M	QPSK	1	0	Right Tilted	0mm	Ant 7	DS1 1	21100	2535	18.05	19.40	1.365			0.08	0.097	0.133	
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Ant 7	DS1 1	21100	2535	18.03	19.40	1.371			0.02	0.096	0.132	
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DS1 1	21100	2535	18.05	19.40	1.365			-0.06	0.509	0.695	
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Ant 7	DS1 1	21100	2535	18.03	19.40	1.371			0.08	0.493	0.677	
	LTE Band 7	20M	QPSK	1	0	Left Tilted	0mm	Ant 7	DS1 1	21100	2535	18.05	19.40	1.365			-0.09	0.240	0.328	
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Ant 7	DS1 1	21100	2535	18.03	19.40	1.371			0.13	0.237	0.325	
	LTE Band 7	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DS1 1	21100+20902	2535+2515.2	18.02	19.40	1.374			-0.03	0.486	0.668	UL CA
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 0	DS11	23095	707.5	25.23	25.70	1.114			-0.01	0.145	0.162	
	LTE Band 12	10M	QPSK	25	0	Right Cheek	0mm	Ant 0	DS11	23095	707.5	24.03	24.70	1.167			0.02	0.114	0.134	
	LTE Band 12	10M	QPSK	1	0	Right Tilted	0mm	Ant 0	DS11	23095	707.5	25.23	25.70	1.114			0.10	0.094	0.104	
	LTE Band 12	10M	QPSK	25	0	Right Tilted	0mm	Ant 0	DS11	23095	707.5	24.03	24.70	1.167			-0.14	0.072	0.084	
	LTE Band 12	10M	QPSK	1	0	Left Cheek	0mm	Ant 0	DS11	23095	707.5	25.23	25.70	1.114			0.16	0.119	0.133	
	LTE Band 12	10M	QPSK	25	0	Left Cheek	0mm	Ant 0	DS11	23095	707.5	24.03	24.70	1.167			-0.03	0.094	0.109	
	LTE Band 12	10M	QPSK	1	0	Left Tilted	0mm	Ant 0	DS11	23095	707.5	25.23	25.70	1.114			0.11	0.063	0.070	
	LTE Band 12	10M	QPSK	25	0	Left Tilted	0mm	Ant 0	DS11	23095	707.5	24.03	24.70	1.167			0.14	0.051	0.060	
	LTE Band 12	10M	QPSK	1	0	Right Cheek	0mm	Ant 1	DS11	23095	707.5	21.55	22.70	1.303			0.04	0.464	0.605	
	LTE Band 12	10M	QPSK	25	0	Right Cheek	0mm	Ant 1	DS11	23095	707.5	21.48	22.70	1.324			0.04	0.468	0.620	
	LTE Band 12	10M	QPSK	1	0	Right Tilted	0mm	Ant 1	DS11	23095	707.5	21.55	22.70	1.303			-0.17	0.086	0.112	
	LTE Band 12	10M	QPSK	25	0	Right Tilted	0mm	Ant 1	DS11	23095	707.5	21.48	22.70	1.324			0.03	0.087	0.115	
	LTE Band 12	10M	QPSK	1	0	Left Cheek	0mm	Ant 1	DS11	23095	707.5	21.55	22.70	1.303			-0.16	0.716	0.933	
	LTE Band 12	10M	QPSK	25	0	Left Cheek	0mm	Ant 1	DS11	23095	707.5	21.48	22.70	1.324			-0.09	0.699	0.925	
	LTE Band 12	10M	QPSK	50	0	Left Cheek	0mm	Ant 1	DS11	23095	707.5	21.39	22.70	1.352			-0.08	0.681	0.921	
	LTE Band 12	10M	QPSK	1	0	Left Tilted	0mm	Ant 1	DS11	23095	707.5	21.55	22.70	1.303			0.14	0.107	0.139	
	LTE Band 12	10M	QPSK	25	0	Left Tilted	0mm	Ant 1	DS11	23095	707.5	21.48	22.70	1.324			-0.17	0.110	0.145	
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 0	DS11	23230	782	25.05	25.70	1.161			0.05	0.213	0.247	
	LTE Band 13	10M	QPSK	25	0	Right Cheek	0mm	Ant 0	DS11	23230	782	24.08	24.70	1.153			0.12	0.168	0.194	
	LTE Band 13	10M	QPSK	1	0	Right Tilted	0mm	Ant 0	DS11	23230	782	25.05	25.70	1.161			0.12	0.117	0.136	
	LTE Band 13	10M	QPSK	25	0	Right Tilted	0mm	Ant 0	DS11	23230	782	24.08	24.70	1.153			-0.01	0.091	0.105	
	LTE Band 13	10M	QPSK	1	0	Left Cheek	0mm	Ant 0	DS11	23230	782	25.05	25.70	1.161			-0.01	0.119	0.138	
	LTE Band 13	10M	QPSK	25	0	Left Cheek	0mm	Ant 0	DS11	23230	782	24.08	24.70	1.153			-0.15	0.088	0.101	
	LTE Band 13	10M	QPSK	1	0	Left Tilted	0mm	Ant 0	DS11	23230	782	25.05	25.70	1.161			0.17	0.086	0.100	
	LTE Band 13	10M	QPSK	25	0	Left Tilted	0mm	Ant 0	DS11	23230	782	24.08	24.70	1.153			0.03	0.065	0.075	
	LTE Band 13	10M	QPSK	1	0	Right Cheek	0mm	Ant 1	DS11	23230	782	21.06	22.20	1.3			0.15	0.454	0.591	
	LTE Band 13	10M	QPSK	25	0	Right Cheek	0mm	Ant 1	DS11	23230	782	21.04	22.20	1.306			0.05	0.449	0.586	
	LTE Band 13	10M	QPSK	1	0	Right Tilted	0mm	Ant 1	DS11	23230	782	21.06	22.20	1.3			0.16	0.083	0.107	
	LTE Band 13	10M	QPSK	25	0	Right Tilted	0mm	Ant 1	DS11	23230	782	21.04	22.20	1.306			-0.07	0.081	0.105	
	LTE Band 13	10M	QPSK	1	0	Left Cheek	0mm	Ant 1	DS11	23230	782	21.06	22.20	1.3			-0.03	0.731	0.950	
	LTE Band 13	10M	QPSK	25	0	Left Cheek	0mm	Ant 1	DS11	23230	782	21.04	22.20	1.306			-0.17	0.706	0.922	
	LTE Band 13	10M	QPSK	50	0	Left Cheek	0mm	Ant 1	DS11	23230	782	20.78	22.20	1.387			0.13	0.677	0.939	



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	LTE Band 13	10M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI1	23230	782	21.06	22.20	1.3			-0.03	0.102	0.133	
	LTE Band 13	10M	QPSK	25	0	Left Tilted	0mm	Ant 1	DSI1	23230	782	21.04	22.20	1.306			-0.11	0.100	0.131	
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	26340	1880	18.69	19.20	1.125			0.02	0.702	0.790	
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	26340	1880	18.58	19.20	1.153			0.02	0.683	0.788	
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	26340	1880	18.69	19.20	1.125			0.03	0.766	0.862	
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	26140	1860	18.56	19.20	1.159			-0.08	0.739	0.857	
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	26590	1905	18.64	19.20	1.138			0.11	0.715	0.814	
09	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	26340	1880	18.58	19.20	1.153			-0.00	0.802	0.925	
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	26140	1860	18.57	19.20	1.156			0.11	0.739	0.854	
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	26590	1905	18.45	19.20	1.189			0.14	0.754	0.896	
	LTE Band 25	20M	QPSK	100	0	Right Tilted	0mm	Ant 4	DSI1	26340	1880	18.47	19.20	1.183			-0.17	0.752	0.889	
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI1	26340	1880	18.69	19.20	1.125			0.01	0.424	0.477	
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI1	26340	1880	18.58	19.20	1.153			-0.06	0.429	0.495	
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI1	26340	1880	18.69	19.20	1.125			0.15	0.558	0.628	
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI1	26340	1880	18.58	19.20	1.153			0.14	0.557	0.643	
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	26340	1880	17.25	17.70	1.109			-0.12	0.780	0.865	
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	26140	1860	17.24	17.70	1.112			0.02	0.755	0.839	
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	26590	1905	17.21	17.70	1.119			-0.05	0.744	0.832	
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	26340	1880	17.24	17.70	1.112			0.14	0.801	0.891	
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	26140	1860	17.19	17.70	1.125			-0.03	0.768	0.864	
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	26590	1905	17.22	17.70	1.117			-0.14	0.745	0.832	
	LTE Band 25	20M	QPSK	100	0	Right Cheek	0mm	Ant 5	DSI1	26340	1880	17.12	17.70	1.143			0.10	0.774	0.884	
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI1	26340	1880	17.25	17.70	1.109			0.16	0.291	0.323	
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DSI1	26340	1880	17.24	17.70	1.112			0.19	0.294	0.327	
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI1	26340	1880	17.25	17.70	1.109			-0.10	0.235	0.260	
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DSI1	26340	1880	17.24	17.70	1.112			-0.16	0.243	0.270	
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI1	26340	1880	17.25	17.70	1.109			0.06	0.124	0.137	
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DSI1	26340	1880	17.24	17.70	1.112			-0.15	0.125	0.139	
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 6	DSI 1	26340	1880	25.22	25.70	1.117			0.05	0.210	0.235	
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 6	DSI 1	26340	1880	23.99	24.70	1.178			-0.17	0.165	0.194	
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 6	DSI 1	26340	1880	25.22	25.70	1.117			-0.02	0.076	0.085	
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 6	DSI 1	26340	1880	23.99	24.70	1.178			0.03	0.061	0.072	
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DSI 1	26340	1880	25.22	25.70	1.117			0.07	0.136	0.152	
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 6	DSI 1	26340	1880	23.99	24.70	1.178			0.08	0.110	0.130	
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 6	DSI 1	26340	1880	25.22	25.70	1.117			0.07	0.090	0.101	
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 6	DSI 1	26340	1880	23.99	24.70	1.178			0.02	0.070	0.082	
	LTE Band 25	20M	QPSK	1	0	Right Cheek	0mm	Ant 7	DSI 1	26340	1880	17.80	19.10	1.349			0.16	0.465	0.627	
	LTE Band 25	20M	QPSK	50	0	Right Cheek	0mm	Ant 7	DSI 1	26340	1880	17.78	19.10	1.355			-0.17	0.469	0.636	
	LTE Band 25	20M	QPSK	1	0	Right Tilted	0mm	Ant 7	DSI 1	26340	1880	17.80	19.10	1.349			0.07	0.071	0.096	
	LTE Band 25	20M	QPSK	50	0	Right Tilted	0mm	Ant 7	DSI 1	26340	1880	17.78	19.10	1.355			0.14	0.073	0.099	
	LTE Band 25	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DSI 1	26340	1880	17.80	19.10	1.349			-0.03	0.558	0.753	
	LTE Band 25	20M	QPSK	50	0	Left Cheek	0mm	Ant 7	DSI 1	26340	1880	17.78	19.10	1.355			0.02	0.543	0.736	
	LTE Band 25	20M	QPSK	1	0	Left Tilted	0mm	Ant 7	DSI 1	26340	1880	17.80	19.10	1.349			-0.04	0.126	0.171	
	LTE Band 25	20M	QPSK	50	0	Left Tilted	0mm	Ant 7	DSI 1	26340	1880	17.78	19.10	1.355			-0.17	0.127	0.173	
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI1	26865	831.5	25.27	25.70	1.104			0.02	0.308	0.340	
	LTE Band 26	15M	QPSK	36	0	Right Cheek	0mm	Ant 0	DSI1	26865	831.5	24.15	24.70	1.135			0.14	0.249	0.283	
	LTE Band 26	15M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI1	26865	831.5	25.27	25.70	1.104			0.15	0.157	0.173	
	LTE Band 26	15M	QPSK	36	0	Right Tilted	0mm	Ant 0	DSI1	26865	831.5	24.15	24.70	1.135			0.12	0.124	0.141	
	LTE Band 26	15M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI1	26865	831.5	25.27	25.70	1.104			0.08	0.204	0.225	
	LTE Band 26	15M	QPSK	36	0	Left Cheek	0mm	Ant 0	DSI1	26865	831.5	24.15	24.70	1.135			-0.15	0.158	0.179	
	LTE Band 26	15M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI1	26865	831.5	25.27	25.70	1.104			-0.04	0.130	0.144	
	LTE Band 26	15M	QPSK	36	0	Left Tilted	0mm	Ant 0	DSI1	26865	831.5	24.15	24.70	1.135			0.17	0.101	0.115	
	LTE Band 26	15M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI1	26865	831.5	21.59	22.70	1.291			-0.18	0.516	0.666	
	LTE Band 26	15M	QPSK	36	0	Right Cheek	0mm	Ant 1	DSI1	26865	831.5	21.47	22.70	1.327			0.16	0.527	0.699	
	LTE Band 26	15M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI1	26865	831.5	21.59	22.70	1.291			0.09	0.096	0.124	
	LTE Band 26	15M	QPSK	36	0	Right Tilted	0mm	Ant 1	DSI1	26865	831.5	21.47	22.70	1.327			0.05	0.098	0.130	
10	LTE Band 26	15M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI1	26865	831.5	21.59	22.70	1.291			-0.01	0.822	1.061	
	LTE Band 26	15M	QPSK	36	0	Left Cheek	0mm	Ant 1	DSI1	26865	831.5	21.47	22.70	1.327			0.03	0.794	1.054	
	LTE Band 26	15M	QPSK	75	0	Left Cheek	0mm	Ant 1	DSI1	26865	831.5	21.31	22.70	1.377			-0.09	0.765	1.053	
	LTE Band 26	15M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI1	26865	831.5	21.59	22.70	1.291			0.14	0.122	0.158	
	LTE Band 26	15M	QPSK	36	0	Left Tilted	0mm	Ant 1	DSI1	26865	831.5	21.47	22.70	1.327			-0.12	0.122	0.162	
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	132322	1745	18.12	18.70	1.143			-0.15	0.622	0.711	
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	132322	1745	17.95	18.70	1.189			-0.18	0.621	0.739	
11	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	132322	1745	18.12	18.70	1.143			0.04	0.791	0.904	
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	132072	1720	18.07	18.70	1.156			-0.11	0.692	0.800	
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	132572	1770	17.94	18.70	1.191			0.06	0.759	0.904	
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	132322	1745	17.95	18.70	1.189			-0.02	0.734	0.873	
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	132072	1720	17.90	18.70	1.202			0.04	0.709	0.852	
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	132572	1770	17.89	18.70	1.205			-0.16	0.745	0.898	
	LTE Band 66	20M	QPSK	100	0	Right Tilted	0mm	Ant 4	DSI1	132322	1745	17.75	18.70	1.245			0.01	0.721	0.898	
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI1	132322	1745	18.12	18.70	1.143			-0.04	0.317	0.362	
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI1	132322	1745	17.95	18.70	1.189			0.06	0.330	0.392	
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI1	132322	1									



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	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI1	132322	1745	17.95	18.70	1.189			0.12	0.436	0.519	
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	132322	1745	17.33	17.70	1.089			0.06	0.733	0.798	
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	132322	1745	17.28	17.70	1.102			-0.04	0.746	0.822	
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	132072	1720	17.23	17.70	1.114			0.08	0.709	0.790	
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	132572	1770	17.26	17.70	1.107			0.09	0.690	0.763	
	LTE Band 66	20M	QPSK	100	0	Right Cheek	0mm	Ant 5	DSI1	132572	1770	17.22	17.70	1.117			0.02	0.684	0.764	
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI1	132322	1745	17.33	17.70	1.089			0.16	0.265	0.288	
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DSI1	132322	1745	17.28	17.70	1.102			-0.14	0.271	0.299	
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI1	132322	1745	17.33	17.70	1.089			-0.13	0.227	0.247	
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DSI1	132322	1745	17.28	17.70	1.102			0.18	0.230	0.254	
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI1	132322	1745	17.33	17.70	1.089			0.05	0.114	0.124	
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DSI1	132322	1745	17.28	17.70	1.102			-0.12	0.116	0.128	
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 6	DSI 1	132322	1745	25.45	25.70	1.059			0.02	0.154	0.163	
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 6	DSI 1	132322	1745	24.31	24.70	1.094			0.01	0.120	0.131	
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 6	DSI 1	132322	1745	25.45	25.70	1.059			-0.09	0.055	0.058	
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 6	DSI 1	132322	1745	24.31	24.70	1.094			-0.16	0.044	0.048	
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DSI 1	132322	1745	25.45	25.70	1.059			0.06	0.095	0.101	
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 6	DSI 1	132322	1745	24.31	24.70	1.094			-0.09	0.076	0.083	
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 6	DSI 1	132322	1745	25.45	25.70	1.059			0.12	0.063	0.067	
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 6	DSI 1	132322	1745	24.31	24.70	1.094			-0.13	0.050	0.055	
	LTE Band 66	20M	QPSK	1	0	Right Cheek	0mm	Ant 7	DSI 1	132322	1745	18.84	19.70	1.219			-0.13	0.520	0.634	
	LTE Band 66	20M	QPSK	50	0	Right Cheek	0mm	Ant 7	DSI 1	132322	1745	18.82	19.70	1.225			0.07	0.508	0.622	
	LTE Band 66	20M	QPSK	1	0	Right Tilted	0mm	Ant 7	DSI 1	132322	1745	18.84	19.70	1.219			-0.13	0.065	0.079	
	LTE Band 66	20M	QPSK	50	0	Right Tilted	0mm	Ant 7	DSI 1	132322	1745	18.82	19.70	1.225			-0.17	0.063	0.077	
	LTE Band 66	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DSI 1	132322	1745	18.84	19.70	1.219			0.01	0.603	0.735	
	LTE Band 66	20M	QPSK	50	0	Left Cheek	0mm	Ant 7	DSI 1	132322	1745	18.82	19.70	1.225			0.18	0.576	0.706	
	LTE Band 66	20M	QPSK	1	0	Left Tilted	0mm	Ant 7	DSI 1	132322	1745	18.84	19.70	1.219			0.04	0.107	0.130	
	LTE Band 66	20M	QPSK	50	0	Left Tilted	0mm	Ant 7	DSI 1	132322	1745	18.82	19.70	1.225			-0.08	0.107	0.131	
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 0	DSI1	133297	680.5	25.17	25.70	1.13			0.14	0.062	0.070	
	LTE Band 71	20M	QPSK	50	0	Right Cheek	0mm	Ant 0	DSI1	133297	680.5	24.04	24.70	1.164			0.01	0.067	0.078	
	LTE Band 71	20M	QPSK	1	0	Right Tilted	0mm	Ant 0	DSI1	133297	680.5	25.17	25.70	1.13			-0.15	0.001	0.001	
	LTE Band 71	20M	QPSK	50	0	Right Tilted	0mm	Ant 0	DSI1	133297	680.5	24.04	24.70	1.164			0.16	0.001	0.001	
	LTE Band 71	20M	QPSK	1	0	Left Cheek	0mm	Ant 0	DSI1	133297	680.5	25.17	25.70	1.13			-0.04	0.054	0.061	
	LTE Band 71	20M	QPSK	50	0	Left Cheek	0mm	Ant 0	DSI1	133297	680.5	24.04	24.70	1.164			0.10	0.061	0.071	
	LTE Band 71	20M	QPSK	1	0	Left Tilted	0mm	Ant 0	DSI1	133297	680.5	25.17	25.70	1.13			0.16	0.001	0.001	
	LTE Band 71	20M	QPSK	50	0	Left Tilted	0mm	Ant 0	DSI1	133297	680.5	24.04	24.70	1.164			0.04	0.001	0.001	
	LTE Band 71	20M	QPSK	1	0	Right Cheek	0mm	Ant 1	DSI1	133297	680.5	22.08	23.20	1.294			0.03	0.433	0.561	
	LTE Band 71	20M	QPSK	50	0	Right Cheek	0mm	Ant 1	DSI1	133297	680.5	22.03	23.20	1.309			0.09	0.483	0.632	
	LTE Band 71	20M	QPSK	1	0	Right Tilted	0mm	Ant 1	DSI1	133297	680.5	22.08	23.20	1.294			-0.03	0.086	0.111	
	LTE Band 71	20M	QPSK	50	0	Right Tilted	0mm	Ant 1	DSI1	133297	680.5	22.03	23.20	1.309			-0.11	0.096	0.125	
	LTE Band 71	20M	QPSK	1	0	Left Cheek	0mm	Ant 1	DSI1	133297	680.5	22.08	23.20	1.294			0.17	0.579	0.749	
12	LTE Band 71	20M	QPSK	50	0	Left Cheek	0mm	Ant 1	DSI1	133297	680.5	22.03	23.20	1.309			-0.02	0.660	0.864	
	LTE Band 71	20M	QPSK	100	0	Left Cheek	0mm	Ant 1	DSI1	133297	680.5	21.82	23.20	1.374			-0.10	0.624	0.857	
	LTE Band 71	20M	QPSK	1	0	Left Tilted	0mm	Ant 1	DSI1	133297	680.5	22.08	23.20	1.294			0.09	0.089	0.115	
	LTE Band 71	20M	QPSK	50	0	Left Tilted	0mm	Ant 1	DSI1	133297	680.5	22.03	23.20	1.309			-0.13	0.101	0.132	
13	LTE Band 38	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	38000	2595	19.22	19.70	1.117	62.9	1.006	0.07	0.785	0.882	
	LTE Band 38	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	38000	2595	19.19	19.70	1.125	62.9	1.006	0.02	0.778	0.881	
	LTE Band 38	20M	QPSK	100	0	Right Cheek	0mm	Ant 5	DSI1	38000	2595	19.15	19.70	1.135	62.9	1.006	0.14	0.756	0.863	
	LTE Band 38	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI1	38000	2595	19.22	19.70	1.117	62.9	1.006	0.19	0.311	0.350	
	LTE Band 38	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DSI1	38000	2595	19.19	19.70	1.125	62.9	1.006	0.07	0.313	0.355	
	LTE Band 38	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI1	38000	2595	19.22	19.70	1.117	62.9	1.006	-0.14	0.220	0.247	
	LTE Band 38	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DSI1	38000	2595	19.19	19.70	1.125	62.9	1.006	0.05	0.219	0.248	
	LTE Band 38	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI1	38000	2595	19.22	19.70	1.117	62.9	1.006	0.17	0.129	0.145	
	LTE Band 38	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DSI1	38000	2595	19.19	19.70	1.125	62.9	1.006	0.15	0.127	0.144	
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	40620	2593	18.65	19.20	1.135	62.9	1.006	-0.07	0.684	0.781	
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	39750	2506	18.62	19.20	1.143	62.9	1.006	0.18	0.614	0.706	
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	40185	2549.5	18.60	19.20	1.148	62.9	1.006	0.09	0.644	0.743	
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	41055	2636.5	18.52	19.20	1.169	62.9	1.006	0.19	0.709	0.834	
	LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	41490	2680	18.59	19.20	1.151	62.9	1.006	0.01	0.731	0.847	
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	40620	2593	18.64	19.20	1.138	62.9	1.006	0.03	0.708	0.811	
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	39750	2506	18.56	19.20	1.159	62.9	1.006	0.01	0.629	0.734	
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	40185	2549.5	18.58	19.20	1.153	62.9	1.006	0.10	0.662	0.768	
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	41055	2636.5	18.55	19.20	1.161	62.9	1.006	0.12	0.726	0.848	
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	41490	2680	18.52	19.20	1.169	62.9	1.006	0.00	0.734	0.863	
	LTE Band 41	20M	QPSK	100	0	Right Cheek	0mm	Ant 4	DSI1	40620	2593	18.44	19.20	1.191	62.9	1.006	0.02	0.718	0.860	
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	40620	2593	18.65	19.20	1.135	62.9	1.006	-0.06	0.744	0.849	
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	39750	2506	18.62	19.20	1.143	62.9	1.006	0.18	0.665	0.764	
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	40185	2549.5	18.60	19.20	1.148	62.9	1.006	-0.09	0.703	0.812	
	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	41055	2636.5	18.52	19.20	1.169	62.9	1.006	-0.10	0.745	0.876	
14	LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	41490	2680	18.59	19.20	1.151	62.9	1.006	0.02	0.806	0.933	
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	40620	2593	18.64	19.2							



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LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DS11	41055	2636.5	18.55	19.20	1.161	62.9	1.006	0.02	0.779	0.910	
LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DS11	41490	2680	18.52	19.20	1.169	62.9	1.006	0.02	0.772	0.908	
LTE Band 41	20M	QPSK	100	0	Right Tilted	0mm	Ant 4	DS11	40620	2593	18.44	19.20	1.191	62.9	1.006	-0.18	0.767	0.919	
LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DS11	40620	2593	18.65	19.20	1.135	62.9	1.006	0.10	0.374	0.427	
LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DS11	40620	2593	18.64	19.20	1.138	62.9	1.006	0.06	0.358	0.410	
LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DS11	40620	2593	18.65	19.20	1.135	62.9	1.006	-0.14	0.357	0.407	
LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DS11	40620	2593	18.64	19.20	1.138	62.9	1.006	0.19	0.365	0.418	
LTE Band 38	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DS11	38150+37952	2610+2590.2	18.51	19.20	1.172	62.9	1.006	0.05	0.754	0.889	UL CA
LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DS11	40620	2593	19.36	19.60	1.057	62.9	1.006	-0.02	0.616	0.655	
LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DS11	39750	2506	19.32	19.60	1.067	62.9	1.006	0.15	0.481	0.516	
LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DS11	40185	2549.5	19.26	19.60	1.081	62.9	1.006	0.01	0.556	0.605	
LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DS11	41055	2636.5	19.27	19.60	1.079	62.9	1.006	-0.06	0.564	0.612	
LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DS11	41490	2680	19.35	19.60	1.059	62.9	1.006	0.06	0.689	0.734	
LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DS11	40620	2593	19.35	19.60	1.059	62.9	1.006	-0.14	0.610	0.649	
LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DS11	39750	2506	19.29	19.60	1.074	62.9	1.006	-0.03	0.496	0.536	
LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DS11	40185	2549.5	19.34	19.60	1.062	62.9	1.006	-0.09	0.562	0.601	
LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DS11	41055	2636.5	19.32	19.60	1.067	62.9	1.006	0.11	0.578	0.620	
LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DS11	41490	2680	19.28	19.60	1.076	62.9	1.006	-0.08	0.658	0.712	
LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DS11	40620	2593	19.36	19.60	1.057	62.9	1.006	0.17	0.240	0.256	
LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DS11	40620	2593	19.35	19.60	1.059	62.9	1.006	-0.08	0.238	0.254	
LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DS11	40620	2593	19.36	19.60	1.057	62.9	1.006	-0.12	0.168	0.179	
LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DS11	40620	2593	19.35	19.60	1.059	62.9	1.006	-0.10	0.167	0.178	
LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DS11	40620	2593	19.36	19.60	1.057	62.9	1.006	0.03	0.098	0.104	
LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DS11	40620	2593	19.35	19.60	1.059	62.9	1.006	0.11	0.096	0.102	
LTE Band 38	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DS11	38150+37952	2610+2590.2	19.09	19.70	1.151	62.9	1.006	-0.06	0.624	0.723	UL CA
LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 6	DS1 1	40620	2593	25.10	25.70	1.148	62.9	1.006	-0.07	0.064	0.074	
LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 6	DS1 1	40620	2593	24.07	24.70	1.156	62.9	1.006	0.03	0.048	0.056	
LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 6	DS1 1	40620	2593	25.10	25.70	1.148	62.9	1.006	-0.19	0.042	0.049	
LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 6	DS1 1	40620	2593	24.07	24.70	1.156	62.9	1.006	-0.08	0.001	0.001	
LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DS1 1	40620	2593	25.10	25.70	1.148	62.9	1.006	0.06	0.089	0.103	
LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 6	DS1 1	40620	2593	24.07	24.70	1.156	62.9	1.006	0.12	0.069	0.080	
LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 6	DS1 1	40620	2593	25.10	25.70	1.148	62.9	1.006	-0.03	0.001	0.001	
LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 6	DS1 1	40620	2593	24.07	24.70	1.156	62.9	1.006	-0.04	0.001	0.001	
LTE Band 38	20M	QPSK	1	0	Left Cheek	0mm	Ant 6	DS1 1	37901+38099	2585.1+2604.9	24.16	24.70	1.132	62.9	1.006	-0.07	0.078	0.089	UL CA
LTE Band 41	20M	QPSK	1	0	Right Cheek	0mm	Ant 7	DS1 1	40620	2593	20.78	22.20	1.387	62.9	1.006	0.17	0.241	0.336	
LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Ant 7	DS1 1	40620	2593	20.75	22.20	1.396	62.9	1.006	-0.07	0.247	0.346	
LTE Band 41	20M	QPSK	1	0	Right Tilted	0mm	Ant 7	DS1 1	40620	2593	20.78	22.20	1.387	62.9	1.006	0.10	0.103	0.144	
LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Ant 7	DS1 1	40620	2593	20.75	22.20	1.396	62.9	1.006	0.11	0.106	0.148	
LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DS1 1	40620	2593	20.78	22.20	1.387	62.9	1.006	0.12	0.564	0.788	
LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DS1 1	39750	2506	19.75	21.20	1.396	62.9	1.006	0.08	0.426	0.598	
LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DS1 1	40185	2549.5	20.73	22.20	1.403	62.9	1.006	-0.10	0.610	0.861	
LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DS1 1	41055	2636.5	20.68	22.20	1.419	62.9	1.006	-0.13	0.523	0.747	
LTE Band 41	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DS1 1	41490	2680	20.75	22.20	1.396	62.9	1.006	-0.01	0.562	0.790	
LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 7	DS1 1	40620	2593	20.75	22.20	1.396	62.9	1.006	0.11	0.563	0.791	
LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 7	DS1 1	39750	2506	19.59	21.20	1.449	62.9	1.006	-0.01	0.417	0.607	
LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 7	DS1 1	40185	2549.5	20.63	22.20	1.435	62.9	1.006	-0.02	0.592	0.855	
LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 7	DS1 1	41055	2636.5	20.57	22.20	1.455	62.9	1.006	0.13	0.529	0.774	
LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Ant 7	DS1 1	41490	2680	20.65	22.20	1.429	62.9	1.006	-0.17	0.556	0.799	
LTE Band 41	20M	QPSK	100	0	Left Cheek	0mm	Ant 7	DS1 1	40620	2593	20.68	22.20	1.419	62.9	1.006	-0.10	0.541	0.772	
LTE Band 41	20M	QPSK	1	0	Left Tilted	0mm	Ant 7	DS1 1	40620	2593	20.78	22.20	1.387	62.9	1.006	-0.07	0.253	0.353	
LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Ant 7	DS1 1	40620	2593	20.75	22.20	1.396	62.9	1.006	0.11	0.260	0.365	
LTE Band 38	20M	QPSK	1	0	Left Cheek	0mm	Ant 7	DS1 1	37850+38048	2580+2599.8	20.23	21.70	1.403	62.9	1.006	0.09	0.512	0.723	UL CA
LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DS11	42590	3500	17.25	17.70	1.109	62.9	1.006	0.12	0.684	0.763	
LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DS11	42590	3500	17.23	17.70	1.114	62.9	1.006	0.16	0.702	0.787	
LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DS11	42590	3500	17.25	17.70	1.109	62.9	1.006	0.14	0.743	0.829	
LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DS11	42190	3460	17.24	17.70	1.112	62.9	1.006	0.02	0.711	0.795	
LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DS11	42990	3540	17.21	17.70	1.119	62.9	1.006	0.10	0.682	0.768	
LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DS11	42590	3500	17.23	17.70	1.114	62.9	1.006	-0.10	0.721	0.808	
LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DS11	42190	3460	17.18	17.70	1.127	62.9	1.006	0.03	0.675	0.765	
LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DS11	42990	3540	17.15	17.70	1.135	62.9	1.006	0.04	0.657	0.750	
LTE Band 42	20M	QPSK	100	0	Right Tilted	0mm	Ant 4	DS11	42590	3500	17.19	17.70	1.125	62.9	1.006	0.01	0.671	0.760	
LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DS1 1	42590	3500	11.63	13.00	1.371	62.9	1.006	0.15	0.358	0.494	Other PA
LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DS11	42590	3500	17.25	17.70	1.109	62.9	1.006	0.11	0.333	0.372	
LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DS11	42590	3500	17.23	17.70	1.114	62.9	1.006	0.07	0.328	0.367	
LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DS11	42590	3500	17.25	17.70	1.109	62.9	1.006	0.15	0.333	0.372	
LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DS11	42590	3500	17.23	17.70	1.114	62.9	1.006	0.01	0.349	0.391	
LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DS11	42590	3500	19.24	19.70	1.112	62.9	1.006	-0.01	0.700	0.783	
LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DS11	42590	3500	19.23	19.70	1.114	62.9	1.006	-0.07	0.704	0.789	
LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DS1 1	42590	3500	13.45	14.90	1.396	62.9	1.006	0.00	0.338	0.475	Other PA
LTE Band 42	20M	QPSK	1	0	Right Tilted														



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	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI1	42590	3500	19.24	19.70	1.112	62.9	1.006	0.07	0.100	0.112	
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DSI1	42590	3500	19.23	19.70	1.114	62.9	1.006	-0.12	0.102	0.114	
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 10	DSI 1	42590	3500	25.14	25.70	1.138	62.9	1.006	0.04	0.001	0.001	
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 10	DSI 1	42590	3500	24.27	24.70	1.104	62.9	1.006	0.11	0.001	0.001	
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 10	DSI 1	42590	3500	25.14	25.70	1.138	62.9	1.006	-0.07	0.001	0.001	
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 10	DSI 1	42590	3500	24.27	24.70	1.104	62.9	1.006	0.18	0.001	0.001	
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 10	DSI 1	42590	3500	25.14	25.70	1.138	62.9	1.006	0.09	0.059	0.068	
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 10	DSI 1	42590	3500	24.27	24.70	1.104	62.9	1.006	0.10	0.050	0.056	
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 10	DSI 1	42590	3500	25.14	25.70	1.138	62.9	1.006	0.16	0.054	0.062	
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 10	DSI 1	42590	3500	24.27	24.70	1.104	62.9	1.006	0.04	0.043	0.048	
	LTE Band 42	20M	QPSK	1	0	Right Cheek	0mm	Ant 19	DSI 1	42590	3500	20.69	21.70	1.262	62.9	1.006	-0.05	0.541	0.687	
	LTE Band 42	20M	QPSK	50	0	Right Cheek	0mm	Ant 19	DSI 1	42590	3500	20.66	21.70	1.271	62.9	1.006	0.18	0.463	0.592	
	LTE Band 42	20M	QPSK	1	0	Right Tilted	0mm	Ant 19	DSI 1	42590	3500	20.69	21.70	1.262	62.9	1.006	0.08	0.117	0.148	
	LTE Band 42	20M	QPSK	50	0	Right Tilted	0mm	Ant 19	DSI 1	42590	3500	20.66	21.70	1.271	62.9	1.006	-0.03	0.090	0.114	
15	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 19	DSI 1	42590	3500	20.69	21.70	1.262	62.9	1.006	-0.05	0.859	1.091	
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 19	DSI 1	42190	3460	20.62	21.70	1.282	62.9	1.006	-0.15	0.779	1.004	
	LTE Band 42	20M	QPSK	1	0	Left Cheek	0mm	Ant 19	DSI 1	42990	3540	20.65	21.70	1.274	62.9	1.006	-0.03	0.768	0.984	
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 19	DSI 1	42590	3500	20.66	21.70	1.271	62.9	1.006	0.06	0.838	1.071	
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 19	DSI 1	42190	3460	20.57	21.70	1.297	62.9	1.006	-0.04	0.829	1.082	
	LTE Band 42	20M	QPSK	50	0	Left Cheek	0mm	Ant 19	DSI 1	42990	3540	20.62	21.70	1.282	62.9	1.006	0.05	0.776	1.001	
	LTE Band 42	20M	QPSK	100	0	Left Cheek	0mm	Ant 19	DSI 1	42590	3500	20.63	21.70	1.279	62.9	1.006	0.01	0.752	0.967	
	LTE Band 42	20M	QPSK	1	0	Left Tilted	0mm	Ant 19	DSI 1	42590	3500	20.69	21.70	1.262	62.9	1.006	-0.17	0.245	0.311	
	LTE Band 42	20M	QPSK	50	0	Left Tilted	0mm	Ant 19	DSI 1	42590	3500	20.66	21.70	1.271	62.9	1.006	0.04	0.246	0.314	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	55990	3625	17.20	18.50	1.349	62.9	1.006	-0.15	0.616	0.837	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	55340	3560	17.11	18.50	1.377	62.9	1.006	-0.03	0.762	1.056	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	55830	3609	17.09	18.50	1.384	62.9	1.006	0.10	0.659	0.917	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	56150	3641	16.96	18.50	1.426	62.9	1.006	0.11	0.612	0.878	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 4	DSI1	56640	3690	17.08	18.50	1.387	62.9	1.006	-0.12	0.607	0.846	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	55990	3625	17.07	18.50	1.39	62.9	1.006	-0.15	0.638	0.892	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	55340	3560	16.86	18.50	1.459	62.9	1.006	0.06	0.718	1.054	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	55830	3609	16.96	18.50	1.426	62.9	1.006	0.07	0.669	0.960	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	56150	3641	16.86	18.50	1.459	62.9	1.006	0.10	0.616	0.903	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 4	DSI1	56640	3690	16.87	18.50	1.455	62.9	1.006	-0.10	0.606	0.887	
	LTE Band 48	20M	QPSK	100	0	Right Cheek	0mm	Ant 4	DSI1	55990	3625	17.06	18.50	1.393	62.9	1.006	-0.18	0.617	0.865	
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	55990	3625	17.20	18.50	1.349	62.9	1.006	0.15	0.601	0.816	
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	55340	3560	17.11	18.50	1.377	62.9	1.006	-0.03	0.710	0.983	
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	55830	3609	17.09	18.50	1.384	62.9	1.006	-0.01	0.634	0.883	
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	56150	3641	16.96	18.50	1.426	62.9	1.006	0.05	0.595	0.853	
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 4	DSI1	56640	3690	17.08	18.50	1.387	62.9	1.006	-0.16	0.552	0.770	
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	55990	3625	17.07	18.50	1.39	62.9	1.006	0.16	0.607	0.849	
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	55340	3560	16.86	18.50	1.459	62.9	1.006	0.15	0.704	1.034	
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	55830	3609	16.96	18.50	1.426	62.9	1.006	0.09	0.642	0.922	
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	56150	3641	16.86	18.50	1.459	62.9	1.006	-0.01	0.583	0.856	
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 4	DSI1	56640	3690	16.87	18.50	1.455	62.9	1.006	-0.04	0.550	0.805	
	LTE Band 48	20M	QPSK	100	0	Right Tilted	0mm	Ant 4	DSI1	55990	3625	17.06	18.50	1.393	62.9	1.006	-0.02	0.588	0.824	
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 4	DSI1	55990	3625	17.20	18.50	1.349	62.9	1.006	-0.14	0.322	0.437	
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 4	DSI1	55990	3625	17.07	18.50	1.39	62.9	1.006	0.00	0.339	0.474	
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 4	DSI1	55990	3625	17.20	18.50	1.349	62.9	1.006	-0.17	0.319	0.433	
	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 4	DSI1	55990	3625	17.07	18.50	1.39	62.9	1.006	0.10	0.323	0.451	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	55990	3625	19.12	20.50	1.374	62.9	1.006	0.01	0.668	0.923	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	55340	3560	19.09	20.50	1.384	62.9	1.006	0.03	0.724	1.008	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	55830	3609	19.11	20.50	1.377	62.9	1.006	0.13	0.691	0.957	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	56150	3641	19.08	20.50	1.387	62.9	1.006	-0.01	0.647	0.902	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 5	DSI1	56640	3690	19.06	20.50	1.393	62.9	1.006	0.05	0.619	0.868	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	55990	3625	19.10	20.50	1.38	62.9	1.006	-0.03	0.666	0.925	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	55340	3560	19.08	20.50	1.387	62.9	1.006	0.08	0.727	1.014	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	55830	3609	19.03	20.50	1.403	62.9	1.006	0.06	0.696	0.983	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	56150	3641	19.07	20.50	1.39	62.9	1.006	-0.07	0.647	0.904	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 5	DSI1	56640	3690	19.05	20.50	1.396	62.9	1.006	-0.18	0.618	0.868	
	LTE Band 48	20M	QPSK	100	0	Right Cheek	0mm	Ant 5	DSI1	56150	3641	19.04	20.50	1.4	62.9	1.006	-0.02	0.632	0.890	
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 5	DSI1	55990	3625	19.12	20.50	1.374	62.9	1.006	0.07	0.224	0.309	
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 5	DSI1	55990	3625	19.10	20.50	1.38	62.9	1.006	-0.03	0.227	0.315	
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 5	DSI1	55990	3625	19.12	20.50	1.374	62.9	1.006	-0.03	0.413	0.571	
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 5	DSI1	55990	3625	19.10	20.50	1.38	62.9	1.006	-0.07	0.398	0.552	
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 5	DSI1	55990	3625	19.12	20.50	1.374	62.9	1.006	-0.05	0.112	0.155	
	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 5	DSI1	55990	3625	19.10	20.50	1.38	62.9	1.006	-0.13	0.112	0.156	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 10	DSI 1	55990	3625	23.27	24.50	1.327	62.9	1.006	0.01	0.001	0.001	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 10	DSI 1	55990	3625	22.30	23.50	1.318	62.9	1.006	0.18	0.001	0.001	
	LTE Band 48	20M	QPSK																	



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	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 10	DSI 1	55990	3625	22.30	23.50	1.318	62.9	1.006	-0.18	0.001	0.001	
	LTE Band 48	20M	QPSK	1	0	Right Cheek	0mm	Ant 19	DSI 1	55990	3625	21.57	22.70	1.297	62.9	1.006	0.04	0.187	0.243	
	LTE Band 48	20M	QPSK	50	0	Right Cheek	0mm	Ant 19	DSI 1	55990	3625	21.45	22.70	1.334	62.9	1.006	0.01	0.147	0.197	
	LTE Band 48	20M	QPSK	1	0	Right Tilted	0mm	Ant 19	DSI 1	55990	3625	21.57	22.70	1.297	62.9	1.006	-0.03	0.062	0.081	
	LTE Band 48	20M	QPSK	50	0	Right Tilted	0mm	Ant 19	DSI 1	55990	3625	21.45	22.70	1.334	62.9	1.006	-0.17	0.048	0.065	
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 19	DSI 1	55990	3625	21.57	22.70	1.297	62.9	1.006	0.12	0.612	0.799	
16	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 19	DSI 1	55340	3560	21.56	22.70	1.3	62.9	1.006	0.01	0.833	1.089	
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 19	DSI 1	55830	3609	21.50	22.70	1.318	62.9	1.006	-0.13	0.634	0.841	
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 19	DSI 1	56150	3641	21.55	22.70	1.303	62.9	1.006	-0.00	0.507	0.665	
	LTE Band 48	20M	QPSK	1	0	Left Cheek	0mm	Ant 19	DSI 1	56640	3690	21.53	22.70	1.309	62.9	1.006	-0.13	0.364	0.479	
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 19	DSI 1	55990	3625	21.45	22.70	1.334	62.9	1.006	-0.09	0.479	0.643	
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 19	DSI 1	55340	3560	21.35	22.70	1.365	62.9	1.006	-0.14	0.681	0.935	
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 19	DSI 1	55830	3609	21.41	22.70	1.346	62.9	1.006	-0.13	0.519	0.703	
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 19	DSI 1	56150	3641	21.41	22.70	1.346	62.9	1.006	-0.12	0.418	0.566	
	LTE Band 48	20M	QPSK	50	0	Left Cheek	0mm	Ant 19	DSI 1	56640	3690	21.39	22.70	1.352	62.9	1.006	0.00	0.315	0.429	
	LTE Band 48	20M	QPSK	100	0	Left Cheek	0mm	Ant 19	DSI 1	55990	3625	21.41	22.70	1.346	62.9	1.006	-0.16	0.383	0.518	
	LTE Band 48	20M	QPSK	1	0	Left Tilted	0mm	Ant 19	DSI 1	55990	3625	21.57	22.70	1.297	62.9	1.006	0.05	0.162	0.212	
	LTE Band 48	20M	QPSK	50	0	Left Tilted	0mm	Ant 19	DSI 1	55990	3625	21.45	22.70	1.334	62.9	1.006	0.10	0.126	0.168	

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI1	507000	2535	16.77	17.20	1.104			0.05	0.707	0.780	
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 4	DSI1	507000	2535	16.76	17.20	1.107			0.02	0.713	0.789	
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI1	507000	2535	16.77	17.20	1.104			0.04	0.706	0.779	
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 4	DSI1	507000	2535	16.76	17.20	1.107			-0.06	0.761	0.842	
	FR1 n7	50M	BPSK	270	0	Right Tilted	0mm	Ant 4	DSI1	507000	2535	16.71	17.20	1.119			0.13	0.744	0.833	
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI1	507000	2535	16.77	17.20	1.104			0.05	0.393	0.434	
	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 4	DSI1	507000	2535	16.76	17.20	1.107			0.11	0.402	0.444	
	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI1	507000	2535	16.77	17.20	1.104			0.18	0.383	0.423	
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 4	DSI1	507000	2535	16.76	17.20	1.107			-0.19	0.375	0.415	
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI1	507000	2535	17.76	18.20	1.107			-0.06	0.745	0.824	
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 5	DSI1	507000	2535	17.73	18.20	1.114			-0.09	0.798	0.889	
	FR1 n7	50M	BPSK	270	0	Right Cheek	0mm	Ant 5	DSI1	507000	2535	17.71	18.20	1.119			-0.03	0.771	0.863	
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI1	507000	2535	17.76	18.20	1.107			-0.02	0.293	0.324	
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 5	DSI1	507000	2535	17.73	18.20	1.114			0.15	0.326	0.363	
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI1	507000	2535	17.76	18.20	1.107			-0.02	0.229	0.253	
	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 5	DSI1	507000	2535	17.73	18.20	1.114			0.00	0.253	0.282	
	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI1	507000	2535	17.76	18.20	1.107			0.13	0.124	0.137	
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 5	DSI1	507000	2535	17.73	18.20	1.114			-0.00	0.134	0.150	
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 6	DSI 1	507000	2535	25.21	25.50	1.069			0.09	0.101	0.108	
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 6	DSI 1	507000	2535	25.10	25.50	1.096			0.08	0.113	0.124	
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 6	DSI 1	507000	2535	25.21	25.50	1.069			-0.00	0.062	0.066	
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 6	DSI 1	507000	2535	25.10	25.50	1.096			-0.12	0.058	0.064	
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 6	DSI 1	507000	2535	25.21	25.50	1.069			0.02	0.145	0.155	
	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 6	DSI 1	507000	2535	25.10	25.50	1.096			-0.07	0.134	0.147	
	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 6	DSI 1	507000	2535	25.21	25.50	1.069			0.10	0.041	0.044	
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 6	DSI 1	507000	2535	25.10	25.50	1.096			-0.07	0.001	0.001	
	FR1 n7	50M	BPSK	1	1	Right Cheek	0mm	Ant 7	DSI 1	507000	2535	19.22	20.50	1.343			0.09	0.224	0.301	
	FR1 n7	50M	BPSK	135	68	Right Cheek	0mm	Ant 7	DSI 1	507000	2535	19.19	20.50	1.352			-0.04	0.360	0.486	
	FR1 n7	50M	BPSK	1	1	Right Tilted	0mm	Ant 7	DSI 1	507000	2535	19.22	20.50	1.343			-0.07	0.100	0.134	
	FR1 n7	50M	BPSK	135	68	Right Tilted	0mm	Ant 7	DSI 1	507000	2535	19.19	20.50	1.352			0.18	0.141	0.190	
	FR1 n7	50M	BPSK	1	1	Left Cheek	0mm	Ant 7	DSI 1	507000	2535	19.22	20.50	1.343			0.02	0.540	0.725	
17	FR1 n7	50M	BPSK	135	68	Left Cheek	0mm	Ant 7	DSI 1	507000	2535	19.19	20.50	1.352			-0.13	0.758	1.025	
	FR1 n7	50M	BPSK	270	0	Left Cheek	0mm	Ant 7	DSI 1	507000	2535	19.16	20.50	1.361			0.08	0.700	0.953	
	FR1 n7	50M	BPSK	1	1	Left Tilted	0mm	Ant 7	DSI 1	507000	2535	19.22	20.50	1.343			0.06	0.237	0.319	
	FR1 n7	50M	BPSK	135	68	Left Tilted	0mm	Ant 7	DSI 1	507000	2535	19.19	20.50	1.352			0.01	0.326	0.441	
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI1	141500	707.5	25.12	25.70	1.143			-0.18	0.139	0.159	
	FR1 n12	15M	BPSK	36	22	Right Cheek	0mm	Ant 0	DSI1	141500	707.5	25.10	25.70	1.148			0.05	0.153	0.176	
	FR1 n12	15M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI1	141500	707.5	25.12	25.70	1.143			-0.14	0.091	0.104	
	FR1 n12	15M	BPSK	36	22	Right Tilted	0mm	Ant 0	DSI1	141500	707.5	25.10	25.70	1.148			0.16	0.102	0.117	
	FR1 n12	15M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI1	141500	707.5	25.12	25.70	1.143			-0.12	0.120	0.137	
	FR1 n12	15M	BPSK	36	22	Left Cheek	0mm	Ant 0	DSI1	141500	707.5	25.10	25.70	1.148			0.01	0.132	0.152	
	FR1 n12	15M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI1	141500	707.5	25.12	25.70	1.143			-0.00	0.067	0.077	
	FR1 n12	15M	BPSK	36	22	Left Tilted	0mm	Ant 0	DSI1	141500	707.5	25.10	25.70	1.148			-0.06	0.078	0.090	
	FR1 n12	15M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI1	141500	707.5	21.23	22.70	1.403			0.05	0.529	0.742	
	FR1 n12	15M	BPSK	36	22	Right Cheek	0mm	Ant 1	DSI1	141500	707.5	21.22	22.70	1.406			-0.17	0.528	0.742	
	FR1 n12	15M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI1	141500	707.5	21.23	22.70	1.403			-0.09	0.099	0.139	
	FR1 n12	15M	BPSK	36	22	Right Tilted	0mm	Ant 1	DSI1	141500	707.5	21.22	22.70	1.406			-0.06	0.100	0.141	
	FR1 n12	15M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI1	141500	707.5	21.23	22.70	1.403			0.04	0.749	1.051	
18	FR1 n12	15M	BPSK	36	22	Left Cheek	0mm	Ant 1	DSI1	141500	707.5	21.22	22.70	1.406			0.02	0.776	1.091	
	FR1 n12	15M	BPSK	75	0	Left Cheek	0mm	Ant 1	DSI1	141500	707.5	21.21	22.70	1.409			-0.03	0.751	1.058	



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	FR1 n12	15M	BPSK	1	1	Left Tilted	0mm	Ant 1	DS11	141500	707.5	21.23	22.70	1.403			0.02	0.118	0.166	
	FR1 n12	15M	BPSK	36	22	Left Tilted	0mm	Ant 1	DS11	141500	707.5	21.22	22.70	1.406			-0.04	0.120	0.169	
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 4	DS11	376500	1882.5	19.19	19.70	1.125			0.01	0.807	0.908	
	FR1 n25	40M	BPSK	108	54	Right Cheek	0mm	Ant 4	DS11	376500	1882.5	19.16	19.70	1.132			-0.02	0.821	0.929	
	FR1 n25	40M	BPSK	216	0	Right Cheek	0mm	Ant 4	DS11	376500	1882.5	19.11	19.70	1.146			-0.12	0.801	0.918	
	FR1 n25	40M	BPSK	1	1	Right Tilted	0mm	Ant 4	DS11	376500	1882.5	19.19	19.70	1.125			-0.09	0.886	0.997	
	FR1 n25	40M	BPSK	108	54	Right Tilted	0mm	Ant 4	DS11	376500	1882.5	19.16	19.70	1.132			-0.01	0.889	1.006	
	FR1 n25	40M	BPSK	216	0	Right Tilted	0mm	Ant 4	DS11	376500	1882.5	19.11	19.70	1.146			0.00	0.845	0.968	
	FR1 n25	40M	BPSK	1	1	Left Cheek	0mm	Ant 4	DS11	376500	1882.5	19.19	19.70	1.125			0.14	0.498	0.560	
	FR1 n25	40M	BPSK	108	54	Left Cheek	0mm	Ant 4	DS11	376500	1882.5	19.16	19.70	1.132			-0.08	0.491	0.556	
	FR1 n25	40M	BPSK	1	1	Left Tilted	0mm	Ant 4	DS11	376500	1882.5	19.19	19.70	1.125			0.14	0.613	0.690	
	FR1 n25	40M	BPSK	108	54	Left Tilted	0mm	Ant 4	DS11	376500	1882.5	19.16	19.70	1.132			0.12	0.611	0.691	
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DS11	376500	1882.5	16.25	16.70	1.109			0.03	0.672	0.745	
	FR1 n25	40M	BPSK	108	54	Right Cheek	0mm	Ant 5	DS11	376500	1882.5	16.24	16.70	1.112			-0.13	0.646	0.719	
	FR1 n25	40M	BPSK	1	1	Right Tilted	0mm	Ant 5	DS11	376500	1882.5	16.25	16.70	1.109			0.01	0.235	0.260	
	FR1 n25	40M	BPSK	108	54	Right Tilted	0mm	Ant 5	DS11	376500	1882.5	16.24	16.70	1.112			-0.08	0.213	0.237	
	FR1 n25	40M	BPSK	1	1	Left Cheek	0mm	Ant 5	DS11	376500	1882.5	16.25	16.70	1.109			0.10	0.220	0.244	
	FR1 n25	40M	BPSK	108	54	Left Cheek	0mm	Ant 5	DS11	376500	1882.5	16.24	16.70	1.112			0.16	0.207	0.230	
	FR1 n25	40M	BPSK	1	1	Left Tilted	0mm	Ant 5	DS11	376500	1882.5	16.25	16.70	1.109			0.00	0.101	0.112	
	FR1 n25	40M	BPSK	108	54	Left Tilted	0mm	Ant 5	DS11	376500	1882.5	16.24	16.70	1.112			0.14	0.096	0.107	
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 6	DS11	376500	1882.5	25.23	25.70	1.114			0.08	0.179	0.199	
	FR1 n25	40M	BPSK	108	54	Right Cheek	0mm	Ant 6	DS11	376500	1882.5	25.09	25.70	1.151			0.11	0.178	0.205	
	FR1 n25	40M	BPSK	1	1	Right Tilted	0mm	Ant 6	DS11	376500	1882.5	25.23	25.70	1.114			0.00	0.095	0.106	
	FR1 n25	40M	BPSK	108	54	Right Tilted	0mm	Ant 6	DS11	376500	1882.5	25.09	25.70	1.151			0.01	0.095	0.109	
	FR1 n25	40M	BPSK	1	1	Left Cheek	0mm	Ant 6	DS11	376500	1882.5	25.23	25.70	1.114			0.12	0.150	0.167	
	FR1 n25	40M	BPSK	108	54	Left Cheek	0mm	Ant 6	DS11	376500	1882.5	25.09	25.70	1.151			0.15	0.152	0.175	
	FR1 n25	40M	BPSK	1	1	Left Tilted	0mm	Ant 6	DS11	376500	1882.5	25.23	25.70	1.114			-0.09	0.091	0.101	
	FR1 n25	40M	BPSK	108	54	Left Tilted	0mm	Ant 6	DS11	376500	1882.5	25.09	25.70	1.151			0.01	0.085	0.098	
	FR1 n25	40M	BPSK	1	1	Right Cheek	0mm	Ant 7	DS11	376500	1882.5	18.95	20.20	1.334			-0.02	0.607	0.809	
	FR1 n25	40M	BPSK	108	54	Right Cheek	0mm	Ant 7	DS11	376500	1882.5	18.93	20.20	1.34			-0.15	0.683	0.915	
	FR1 n25	40M	BPSK	216	0	Right Cheek	0mm	Ant 7	DS11	376500	1882.5	18.89	20.20	1.352			-0.05	0.647	0.875	
	FR1 n25	40M	BPSK	1	1	Right Tilted	0mm	Ant 7	DS11	376500	1882.5	18.95	20.20	1.334			-0.09	0.111	0.148	
	FR1 n25	40M	BPSK	108	54	Right Tilted	0mm	Ant 7	DS11	376500	1882.5	18.93	20.20	1.34			0.08	0.113	0.152	
	FR1 n25	40M	BPSK	1	1	Left Cheek	0mm	Ant 7	DS11	376500	1882.5	18.95	20.20	1.334			0.15	0.749	0.999	
19	FR1 n25	40M	BPSK	108	54	Left Cheek	0mm	Ant 7	DS11	376500	1882.5	18.93	20.20	1.34			-0.10	0.811	1.087	
	FR1 n25	40M	BPSK	216	0	Left Cheek	0mm	Ant 7	DS11	376500	1882.5	18.89	20.20	1.352			0.00	0.785	1.061	
	FR1 n25	40M	BPSK	1	1	Left Tilted	0mm	Ant 7	DS11	376500	1882.5	18.95	20.20	1.334			-0.17	0.152	0.203	
	FR1 n25	40M	BPSK	108	54	Left Tilted	0mm	Ant 7	DS11	376500	1882.5	18.93	20.20	1.34			-0.13	0.170	0.228	
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 0	DS11	166300	831.5	25.23	25.70	1.114			-0.01	0.311	0.346	
	FR1 n26	20M	BPSK	50	28	Right Cheek	0mm	Ant 0	DS11	166300	831.5	25.16	25.70	1.132			0.02	0.320	0.362	
	FR1 n26	20M	BPSK	1	1	Right Tilted	0mm	Ant 0	DS11	166300	831.5	25.23	25.70	1.114			-0.18	0.174	0.194	
	FR1 n26	20M	BPSK	50	28	Right Tilted	0mm	Ant 0	DS11	166300	831.5	25.16	25.70	1.132			-0.05	0.175	0.198	
	FR1 n26	20M	BPSK	1	1	Left Cheek	0mm	Ant 0	DS11	166300	831.5	25.23	25.70	1.114			-0.09	0.198	0.221	
	FR1 n26	20M	BPSK	50	28	Left Cheek	0mm	Ant 0	DS11	166300	831.5	25.16	25.70	1.132			0.06	0.222	0.251	
	FR1 n26	20M	BPSK	1	1	Left Tilted	0mm	Ant 0	DS11	166300	831.5	25.23	25.70	1.114			0.03	0.123	0.137	
	FR1 n26	20M	BPSK	50	28	Left Tilted	0mm	Ant 0	DS11	166300	831.5	25.16	25.70	1.132			-0.15	0.125	0.142	
	FR1 n26	20M	BPSK	1	1	Right Cheek	0mm	Ant 1	DS11	166300	831.5	21.05	22.20	1.303			-0.12	0.464	0.604	
	FR1 n26	20M	BPSK	50	28	Right Cheek	0mm	Ant 1	DS11	166300	831.5	21.03	22.20	1.309			0.17	0.468	0.613	
	FR1 n26	20M	BPSK	1	1	Right Tilted	0mm	Ant 1	DS11	166300	831.5	21.05	22.20	1.303			0.07	0.093	0.121	
	FR1 n26	20M	BPSK	50	28	Right Tilted	0mm	Ant 1	DS11	166300	831.5	21.03	22.20	1.309			-0.03	0.095	0.124	
	FR1 n26	20M	BPSK	1	1	Left Cheek	0mm	Ant 1	DS11	166300	831.5	21.05	22.20	1.303			-0.19	0.682	0.889	
20	FR1 n26	20M	BPSK	50	28	Left Cheek	0mm	Ant 1	DS11	166300	831.5	21.03	22.20	1.309			0.00	0.731	0.957	
	FR1 n26	20M	BPSK	100	0	Left Cheek	0mm	Ant 1	DS11	166300	831.5	21.01	22.20	1.315			-0.04	0.709	0.932	
	FR1 n26	20M	BPSK	1	1	Left Tilted	0mm	Ant 1	DS11	166300	831.5	21.05	22.20	1.303			0.04	0.106	0.138	
	FR1 n26	20M	BPSK	50	28	Left Tilted	0mm	Ant 1	DS11	166300	831.5	21.03	22.20	1.309			0.12	0.109	0.142	
	FR1 n66	45M	BPSK	1	1	Right Cheek	0mm	Ant 4	DS11	349000	1745	18.23	18.70	1.114			0.02	0.777	0.866	
	FR1 n66	45M	BPSK	120	60	Right Cheek	0mm	Ant 4	DS11	349000	1745	18.21	18.70	1.119			-0.01	0.807	0.903	
	FR1 n66	45M	BPSK	240	0	Right Cheek	0mm	Ant 4	DS11	349000	1745	18.19	18.70	1.125			-0.16	0.842	0.947	
21	FR1 n66	45M	BPSK	1	1	Right Tilted	0mm	Ant 4	DS11	349000	1745	18.23	18.70	1.114			-0.01	0.935	1.042	
	FR1 n66	45M	BPSK	120	60	Right Tilted	0mm	Ant 4	DS11	349000	1745	18.21	18.70	1.119			0.01	0.892	0.998	
	FR1 n66	45M	BPSK	240	0	Right Tilted	0mm	Ant 4	DS11	349000	1745	18.19	18.70	1.125			-0.08	0.918	1.033	
	FR1 n66	45M	BPSK	1	1	Left Cheek	0mm	Ant 4	DS11	349000	1745	18.23	18.70	1.114			-0.14	0.414	0.462	
	FR1 n66	45M	BPSK	120	60	Left Cheek	0mm	Ant 4	DS11	349000	1745	18.21	18.70	1.119			-0.10	0.413	0.463	
	FR1 n66	45M	BPSK	1	1	Left Tilted	0mm	Ant 4	DS11	349000	1745	18.23	18.70	1.114			-0.10	0.526	0.586	
	FR1 n66	45M	BPSK	120	60	Left Tilted	0mm	Ant 4	DS11	349000	1745	18.21	18.70	1.119			-0.15	0.570	0.638	
	FR1 n66	45M	BPSK	1	1	Right Cheek	0mm	Ant 5	DS11	349000	1745	16.18	16.70	1.127			-0.16	0.665	0.749	
	FR1 n66	45M	BPSK	120	60	Right Cheek	0mm	Ant 5	DS11	349000	1745	16.16	16.70	1.132			-0.09	0.716	0.811	
	FR1 n66	45M	BPSK	240	0	Right Cheek	0mm	Ant 5	DS11	349000	1745	16.15	16.70	1.135			-0.06	0.689	0.782	
	FR1 n66	45M	BPSK	1	1	Right Tilted	0mm	Ant 5	DS11	349000	1745	16.18	16.70	1.127			-0.05	0.220	0.248	
	FR1 n66	45M	BPSK	120	60	Right Tilted	0mm	Ant 5	DS11	349000	1745	16.16	16.70	1.132			-0.04	0.250	0.283	
	FR1 n66	45M	BPSK	1	1	Left Cheek	0mm	Ant 5	DS11	349000	1745	16.18	16.70	1.127			0.04	0.210	0.237	
	FR1 n66	45M	BPSK	120	60	Left Cheek	0mm	Ant 5	DS11	349000	1745	16.16	16.70	1.132			-0.01	0.231		



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	FR1 n66	45M	BPSK	120	60	Left Tilted	0mm	Ant 5	DSI1	349000	1745	16.16	16.70	1.132			-0.10	0.113	0.128	
	FR1 n66	45M	BPSK	1	1	Right Cheek	0mm	Ant 6	DSI 1	349000	1745	25.34	25.70	1.086			0.03	0.130	0.141	
	FR1 n66	45M	BPSK	120	60	Right Cheek	0mm	Ant 6	DSI 1	349000	1745	25.32	25.70	1.091			0.08	0.148	0.161	
	FR1 n66	45M	BPSK	1	1	Right Tilted	0mm	Ant 6	DSI 1	349000	1745	25.34	25.70	1.086			-0.16	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Right Tilted	0mm	Ant 6	DSI 1	349000	1745	25.32	25.70	1.091			-0.02	0.054	0.059	
	FR1 n66	45M	BPSK	1	1	Left Cheek	0mm	Ant 6	DSI 1	349000	1745	25.34	25.70	1.086			0.13	0.091	0.099	
	FR1 n66	45M	BPSK	120	60	Left Cheek	0mm	Ant 6	DSI 1	349000	1745	25.32	25.70	1.091			0.17	0.097	0.106	
	FR1 n66	45M	BPSK	1	1	Left Tilted	0mm	Ant 6	DSI 1	349000	1745	25.34	25.70	1.086			-0.11	0.050	0.054	
	FR1 n66	45M	BPSK	120	60	Left Tilted	0mm	Ant 6	DSI 1	349000	1745	25.32	25.70	1.091			-0.18	0.058	0.063	
	FR1 n66	45M	BPSK	1	1	Right Cheek	0mm	Ant 7	DSI 1	349000	1745	18.49	19.70	1.321			0.15	0.544	0.718	
	FR1 n66	45M	BPSK	120	60	Right Cheek	0mm	Ant 7	DSI 1	349000	1745	18.47	19.70	1.327			0.13	0.600	0.796	
	FR1 n66	45M	BPSK	1	1	Right Tilted	0mm	Ant 7	DSI 1	349000	1745	18.49	19.70	1.321			-0.10	0.073	0.097	
	FR1 n66	45M	BPSK	120	60	Right Tilted	0mm	Ant 7	DSI 1	349000	1745	18.47	19.70	1.327			-0.03	0.074	0.098	
	FR1 n66	45M	BPSK	1	1	Left Cheek	0mm	Ant 7	DSI 1	349000	1745	18.49	19.70	1.321			0.18	0.662	0.875	
	FR1 n66	45M	BPSK	120	60	Left Cheek	0mm	Ant 7	DSI 1	349000	1745	18.47	19.70	1.327			-0.00	0.705	0.936	
	FR1 n66	45M	BPSK	240	0	Left Cheek	0mm	Ant 7	DSI 1	349000	1745	18.45	19.70	1.334			-0.14	0.682	0.910	
	FR1 n66	45M	BPSK	1	1	Left Tilted	0mm	Ant 7	DSI 1	349000	1745	18.49	19.70	1.321			0.09	0.111	0.146	
	FR1 n66	45M	BPSK	120	60	Left Tilted	0mm	Ant 7	DSI 1	349000	1745	18.47	19.70	1.327			-0.12	0.129	0.171	
	FR1 n71	35M	BPSK	1	1	Right Cheek	0mm	Ant 0	DSI1	136100	680.5	25.13	25.70	1.14			0.05	0.061	0.070	
	FR1 n71	35M	BPSK	90	45	Right Cheek	0mm	Ant 0	DSI1	136100	680.5	25.07	25.70	1.156			0.05	0.091	0.105	
	FR1 n71	35M	BPSK	1	1	Right Tilted	0mm	Ant 0	DSI1	136100	680.5	25.13	25.70	1.14			0.08	0.001	0.001	
	FR1 n71	35M	BPSK	90	45	Right Tilted	0mm	Ant 0	DSI1	136100	680.5	25.07	25.70	1.156			0.03	0.053	0.061	
	FR1 n71	35M	BPSK	1	1	Left Cheek	0mm	Ant 0	DSI1	136100	680.5	25.13	25.70	1.14			0.04	0.060	0.068	
	FR1 n71	35M	BPSK	90	45	Left Cheek	0mm	Ant 0	DSI1	136100	680.5	25.07	25.70	1.156			0.14	0.072	0.083	
	FR1 n71	35M	BPSK	1	1	Left Tilted	0mm	Ant 0	DSI1	136100	680.5	25.13	25.70	1.14			-0.08	0.001	0.001	
	FR1 n71	35M	BPSK	90	45	Left Tilted	0mm	Ant 0	DSI1	136100	680.5	25.07	25.70	1.156			0.12	0.001	0.001	
	FR1 n71	35M	BPSK	1	1	Right Cheek	0mm	Ant 1	DSI1	136100	680.5	22.35	23.10	1.189			0.15	0.624	0.742	
	FR1 n71	35M	BPSK	90	45	Right Cheek	0mm	Ant 1	DSI1	136100	680.5	22.32	23.10	1.197			-0.19	0.562	0.673	
	FR1 n71	35M	BPSK	1	1	Right Tilted	0mm	Ant 1	DSI1	136100	680.5	22.35	23.10	1.189			0.12	0.121	0.143	
	FR1 n71	35M	BPSK	90	45	Right Tilted	0mm	Ant 1	DSI1	136100	680.5	22.32	23.10	1.197			-0.12	0.107	0.128	
22	FR1 n71	35M	BPSK	1	1	Left Cheek	0mm	Ant 1	DSI1	136100	680.5	22.35	23.10	1.189			0.04	0.829	0.986	
	FR1 n71	35M	BPSK	90	45	Left Cheek	0mm	Ant 1	DSI1	136100	680.5	22.32	23.10	1.197			0.13	0.775	0.928	
	FR1 n71	35M	BPSK	180	0	Left Cheek	0mm	Ant 1	DSI1	136100	680.5	22.31	23.10	1.199			0.10	0.724	0.868	
	FR1 n71	35M	BPSK	1	1	Left Tilted	0mm	Ant 1	DSI1	136100	680.5	22.35	23.10	1.189			0.08	0.145	0.173	
	FR1 n71	35M	BPSK	90	45	Left Tilted	0mm	Ant 1	DSI1	136100	680.5	22.32	23.10	1.197			0.10	0.127	0.152	
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI1	518598	2592.99	16.24	16.70	1.112			0.07	0.756	0.841	
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI1	518598	2592.99	16.23	16.70	1.114			-0.13	0.790	0.880	
	FR1 n41	100M	BPSK	270	0	Right Cheek	0mm	Ant 4	DSI1	518598	2592.99	16.22	16.70	1.117			-0.18	0.757	0.846	
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI1	518598	2592.99	16.24	16.70	1.112			-0.17	0.756	0.841	
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI1	518598	2592.99	16.23	16.70	1.114			0.15	0.783	0.872	
	FR1 n41	100M	BPSK	270	0	Right Tilted	0mm	Ant 4	DSI1	518598	2592.99	16.22	16.70	1.117			-0.02	0.744	0.831	
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI1	518598	2592.99	16.24	16.70	1.112			0.02	0.403	0.449	
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI1	518598	2592.99	16.23	16.70	1.114			0.02	0.408	0.455	
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI1	518598	2592.99	16.24	16.70	1.112			0.17	0.394	0.438	
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI1	518598	2592.99	16.23	16.70	1.114			0.19	0.416	0.464	
	FR1 n41_HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI 1	518598	2592.99	19.09	20.50	1.384	50.0	1.0	-0.15	0.613	0.848	Other PA
23	FR1 n41_HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI1	518598	2592.99	19.17	20.50	1.358	50.0	1.0	-0.02	0.777	1.055	
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI1	518598	2592.99	17.29	17.70	1.099			0.08	0.724	0.796	
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 5	DSI1	518598	2592.99	17.26	17.70	1.107			0.11	0.741	0.821	
	FR1 n41	100M	BPSK	270	0	Right Cheek	0mm	Ant 5	DSI1	518598	2592.99	17.19	17.70	1.125			0.04	0.712	0.801	
	FR1 n41_HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 5	DSI1	518598	2592.99	20.24	21.50	1.337	50.0	1.0	0.02	0.738	0.987	
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI1	518598	2592.99	17.29	17.70	1.099			0.01	0.252	0.277	
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 5	DSI1	518598	2592.99	17.26	17.70	1.107			0.10	0.315	0.349	
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI1	518598	2592.99	17.29	17.70	1.099			0.00	0.201	0.221	
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 5	DSI1	518598	2592.99	17.26	17.70	1.107			0.00	0.235	0.260	
	FR1 n41_HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 5	DSI 1	518598	2592.99	18.83	20.40	1.435	50.0	1.0	0.01	0.562	0.806	Other PA
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI1	518598	2592.99	17.29	17.70	1.099			0.11	0.110	0.121	
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 5	DSI1	518598	2592.99	17.26	17.70	1.107			-0.11	0.133	0.147	
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 6	DSI 1	518598	2592.99	25.27	26.00	1.183			0.01	0.117	0.138	
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 6	DSI 1	518598	2592.99	25.10	26.00	1.23			-0.03	0.107	0.132	
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 6	DSI 1	518598	2592.99	25.27	26.00	1.183			0.04	0.053	0.063	
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 6	DSI 1	518598	2592.99	25.10	26.00	1.23			-0.12	0.049	0.060	
	FR1 n41	100M	BPSK	1	1	Left Cheek	0mm	Ant 6	DSI 1	518598	2592.99	25.27	26.00	1.183			0.06	0.134	0.159	
	FR1 n41	100M	BPSK	135	69	Left Cheek	0mm	Ant 6	DSI 1	518598	2592.99	25.10	26.00	1.23			0.07	0.143	0.176	
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 6	DSI 1	518598	2592.99	25.27	26.00	1.183			0.01	0.050	0.059	
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 6	DSI 1	518598	2592.99	25.10	26.00	1.23			-0.02	0.040	0.049	
	FR1 n41_HPUE	100M	BPSK	135	69	Left Cheek	0mm	Ant 6	DSI 1	518598	2592.99	26.00	27.50	1.413	50.0	1.0	0.03	0.095	0.134	
	FR1 n41	100M	BPSK	1	1	Right Cheek	0mm	Ant 7	DSI 1	518598	2592.99	19.72	21.10	1.374			0.04	0.323	0.444	
	FR1 n41	100M	BPSK	135	69	Right Cheek	0mm	Ant 7	DSI 1	518598	2592.99	19.68	21.10	1.387			0.06	0.281	0.390	
	FR1 n41	100M	BPSK	1	1	Right Tilted	0mm	Ant 7	DSI 1	518598	2592.99	19.72	21.10	1.374			0.01	0.132	0.181	
	FR1 n41	100M	BPSK	135	69	Right Tilted	0mm	Ant 7	DSI 1	518598	2592.99	19.68	21.10	1.387			0.12	0.117	0.162	



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	FR1 n41	100M	BPSK	270	0	Left Cheek	0mm	Ant 7	DSI 1	518598	2592.99	19.65	21.10	1.396			0.16	0.703	0.981	
	FR1 n41	100M	BPSK	1	1	Left Tilted	0mm	Ant 7	DSI 1	518598	2592.99	19.72	21.10	1.374			0.09	0.305	0.419	
	FR1 n41	100M	BPSK	135	69	Left Tilted	0mm	Ant 7	DSI 1	518598	2592.99	19.68	21.10	1.387			-0.02	0.312	0.433	
	FR1 n41_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 7	DSI 1	518598	2592.99	22.73	24.10	1.371	50.0	1.0	-0.07	0.768	1.053	
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI1	641666	3624.99	14.64	16.00	1.368			-0.05	0.655	0.896	
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI1	638000	3570	14.58	16.00	1.387			-0.02	0.719	0.997	
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI1	645332	3679.98	14.61	16.00	1.377			0.13	0.615	0.847	
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 4	DSI1	641666	3624.99	14.63	16.00	1.371			0.06	0.618	0.848	
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 4	DSI1	638000	3570	14.54	16.00	1.4			-0.05	0.699	0.978	
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 4	DSI1	645332	3679.98	14.55	16.00	1.396			0.00	0.581	0.811	
	FR1 n48	40M	BPSK	100	0	Right Cheek	0mm	Ant 4	DSI1	641666	3624.99	14.60	16.00	1.38			0.03	0.622	0.859	
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI1	641666	3624.99	14.64	16.00	1.368			0.07	0.622	0.852	
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI1	638000	3570	14.58	16.00	1.387			0.15	0.675	0.936	
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI1	645332	3679.98	14.61	16.00	1.377			0.12	0.545	0.750	
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 4	DSI1	641666	3624.99	14.63	16.00	1.371			-0.10	0.554	0.759	
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 4	DSI1	638000	3570	14.54	16.00	1.4			0.15	0.636	0.890	
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 4	DSI1	645332	3679.98	14.55	16.00	1.396			0.01	0.521	0.727	
	FR1 n48	40M	BPSK	100	0	Right Tilted	0mm	Ant 4	DSI1	641666	3624.99	14.60	16.00	1.38			-0.02	0.603	0.832	
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI1	641666	3624.99	14.64	16.00	1.368			-0.18	0.327	0.447	
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 4	DSI1	641666	3624.99	14.63	16.00	1.371			0.03	0.330	0.453	
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI1	641666	3624.99	14.64	16.00	1.368			0.18	0.328	0.448	
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 4	DSI1	641666	3624.99	14.63	16.00	1.371			0.03	0.312	0.427	
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI1	641666	3624.99	16.97	18.40	1.39			0.13	0.626	0.870	
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI1	638000	3570	16.92	18.40	1.406			-0.05	0.638	0.897	
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI1	645332	3679.98	16.95	18.40	1.396			0.18	0.572	0.799	
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 5	DSI1	641666	3624.99	16.95	18.40	1.396			0.15	0.584	0.815	
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 5	DSI1	638000	3570	16.89	18.40	1.416			-0.14	0.614	0.870	
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 5	DSI1	645332	3679.98	16.91	18.40	1.409			0.17	0.542	0.764	
	FR1 n48	40M	BPSK	100	0	Right Cheek	0mm	Ant 5	DSI1	641666	3624.99	16.89	18.40	1.416			0.06	0.589	0.834	
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI1	641666	3624.99	16.97	18.40	1.39			0.05	0.207	0.287	
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 5	DSI1	641666	3624.99	16.95	18.40	1.396			0.09	0.199	0.278	
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 5	DSI1	641666	3624.99	16.97	18.40	1.39			0.07	0.361	0.502	
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 5	DSI1	641666	3624.99	16.95	18.40	1.396			0.10	0.352	0.492	
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 5	DSI1	641666	3624.99	16.97	18.40	1.39			-0.12	0.099	0.138	
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 5	DSI1	641666	3624.99	16.95	18.40	1.396			-0.02	0.103	0.144	
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 10	DSI 1	641666	3624.99	23.02	24.50	1.406			0.01	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 10	DSI 1	641666	3624.99	22.91	24.50	1.442			-0.03	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 10	DSI 1	641666	3624.99	23.02	24.50	1.406			-0.06	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 10	DSI 1	641666	3624.99	22.91	24.50	1.442			0.04	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 10	DSI 1	641666	3624.99	23.02	24.50	1.406			0.02	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 10	DSI 1	641666	3624.99	22.91	24.50	1.442			-0.02	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 10	DSI 1	641666	3624.99	23.02	24.50	1.406			0.04	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 10	DSI 1	641666	3624.99	22.91	24.50	1.442			-0.01	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Right Cheek	0mm	Ant 19	DSI 1	641666	3624.99	18.31	19.70	1.377			-0.02	0.178	0.245	
	FR1 n48	40M	BPSK	50	28	Right Cheek	0mm	Ant 19	DSI 1	641666	3624.99	18.22	19.70	1.406			-0.18	0.162	0.228	
	FR1 n48	40M	BPSK	1	1	Right Tilted	0mm	Ant 19	DSI 1	641666	3624.99	18.31	19.70	1.377			-0.16	0.062	0.085	
	FR1 n48	40M	BPSK	50	28	Right Tilted	0mm	Ant 19	DSI 1	641666	3624.99	18.22	19.70	1.406			-0.17	0.055	0.078	
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 19	DSI 1	641666	3624.99	18.31	19.70	1.377			-0.12	0.554	0.762	
24	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 19	DSI 1	638000	3570	18.30	19.70	1.38			-0.13	0.790	1.090	
	FR1 n48	40M	BPSK	1	1	Left Cheek	0mm	Ant 19	DSI 1	645332	3679.98	18.21	19.70	1.409			-0.02	0.435	0.613	
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 19	DSI 1	641666	3624.99	18.22	19.70	1.406			-0.13	0.508	0.714	
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 19	DSI 1	638000	3570	18.15	19.70	1.429			-0.14	0.744	1.064	
	FR1 n48	40M	BPSK	50	28	Left Cheek	0mm	Ant 19	DSI 1	645332	3679.98	18.21	19.70	1.409			0.12	0.445	0.626	
	FR1 n48	40M	BPSK	100	0	Left Cheek	0mm	Ant 19	DSI 1	641666	3624.99	18.15	19.70	1.429			-0.05	0.487	0.696	
	FR1 n48	40M	BPSK	1	1	Left Tilted	0mm	Ant 19	DSI 1	641666	3624.99	18.31	19.70	1.377			-0.08	0.150	0.206	
	FR1 n48	40M	BPSK	50	28	Left Tilted	0mm	Ant 19	DSI 1	641666	3624.99	18.22	19.70	1.406			0.09	0.132	0.185	
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI1	633332	3499.98	13.75	14.20	1.109			-0.07	0.698	0.774	
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DSI1	633332	3499.98	13.73	14.20	1.114			0.02	0.649	0.723	
	FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI1	633332	3499.98	16.78	18.00	1.324	50.0	1.0	-0.06	0.715	0.947	
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DSI1	633332	3499.98	13.75	14.20	1.109			-0.03	0.674	0.748	
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DSI1	633332	3499.98	13.73	14.20	1.114			0.06	0.600	0.669	
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DSI1	633332	3499.98	13.75	14.20	1.109			-0.00	0.366	0.406	
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DSI1	633332	3499.98	13.73	14.20	1.114			0.13	0.310	0.345	
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DSI1	633332	3499.98	13.75	14.20	1.109			-0.04	0.343	0.381	
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DSI1	633332	3499.98	13.73	14.20	1.114			0.05	0.313	0.349	
	FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DSI 1	633332	3499.98	16.62	18.00	1.374	50.0	1.0	-0.01	0.681	0.936	Other PA
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DSI1	633332	3499.98	17.30	17.70	1.096			0.02	0.694	0.760	
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 5	DSI1	633332	3499.98	17.28	17.70	1.102			-0.07	0.726	0.800	
	FR1 n77	100M	BPSK	270	0	Right Cheek	0mm	Ant 5	DSI1	633332	3499.98	17.22	17.70	1.117			0.08	0.712	0.795	
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 5	DSI1	633332	3499.98	17.30	17.70	1.096			0.02	0.262	0.287	
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 5	DSI1	633332	3499.98	17.28	17.70	1.102			-0.13	0.249	0.275</	



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	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 5	DS11	633332	3499.98	17.30	17.70	1.096			0.14	0.114	0.124	
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 5	DS11	633332	3499.98	17.28	17.70	1.102			0.10	0.106	0.117	
	FR1 n77_HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 5	DS11	633332	3499.98	19.99	21.50	1.416	50.0	1.0	-0.15	0.692	0.980	Other PA
	FR1 n77_HPUE	100M	BPSK	135	69	Right Cheek	0mm	Ant 5	DS11	633332	3499.98	20.16	21.50	1.361	50.0	1.0	0.09	0.727	0.989	
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 10	DS11	633332	3499.98	25.40	25.70	1.072			0.17	0.073	0.078	
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 10	DS11	633332	3499.98	25.31	25.70	1.094			0.17	0.043	0.047	
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 10	DS11	633332	3499.98	25.40	25.70	1.072			0.03	0.068	0.073	
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 10	DS11	633332	3499.98	25.31	25.70	1.094			-0.04	0.066	0.072	
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 10	DS11	633332	3499.98	25.40	25.70	1.072			-0.03	0.209	0.224	
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 10	DS11	633332	3499.98	25.31	25.70	1.094			-0.03	0.105	0.115	
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 10	DS11	633332	3499.98	25.40	25.70	1.072			0.10	0.128	0.137	
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 10	DS11	633332	3499.98	25.31	25.70	1.094			0.15	0.082	0.090	
	FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 10	DS11	633332	3499.98	27.36	28.50	1.3	50.0	1.0	0.03	0.171	0.222	
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 19	DS11	633332	3499.98	17.31	18.70	1.377			0.18	0.273	0.376	
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 19	DS11	633332	3499.98	17.29	18.70	1.384			0.14	0.236	0.327	
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 19	DS11	633332	3499.98	17.31	18.70	1.377			0.06	0.087	0.119	
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 19	DS11	633332	3499.98	17.29	18.70	1.384			0.08	0.076	0.105	
25	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 19	DS11	633332	3499.98	17.31	18.70	1.377			0.08	0.787	1.084	
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 19	DS11	633332	3499.98	17.29	18.70	1.384			0.14	0.655	0.906	
	FR1 n77	100M	BPSK	270	0	Left Cheek	0mm	Ant 19	DS11	633332	3499.98	17.27	18.70	1.39			0.18	0.652	0.907	
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 19	DS11	633332	3499.98	17.31	18.70	1.377			-0.18	0.190	0.262	
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 19	DS11	633332	3499.98	17.29	18.70	1.384			0.06	0.173	0.240	
	FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 19	DS11	633332	3499.98	20.30	21.70	1.38	50.0	1.0	0.00	0.743	1.025	
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DS11	656000	3840	13.75	14.20	1.109			-0.14	0.359	0.398	
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 4	DS11	656000	3840	13.73	14.20	1.114			0.16	0.303	0.338	
	FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DS11	656000	3840	16.72	18.00	1.343	50.0	1.0	-0.03	0.362	0.486	
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 4	DS11	656000	3840	13.75	14.20	1.109			-0.11	0.326	0.362	
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 4	DS11	656000	3840	13.73	14.20	1.114			0.10	0.282	0.314	
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 4	DS11	656000	3840	13.75	14.20	1.109			-0.18	0.178	0.197	
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 4	DS11	656000	3840	13.73	14.20	1.114			-0.18	0.162	0.181	
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 4	DS11	656000	3840	13.75	14.20	1.109			0.12	0.170	0.188	
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 4	DS11	656000	3840	13.73	14.20	1.114			-0.15	0.137	0.152	
	FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 4	DS11	656000	3840	16.61	18.00	1.377	50.0	1.0	0.16	0.341	0.470	Other PA
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DS11	656000	3840	17.28	17.70	1.102			-0.18	0.481	0.530	
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 5	DS11	656000	3840	17.26	17.70	1.107			0.03	0.416	0.461	
	FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DS11	656000	3840	20.31	21.50	1.315	50.0	1.0	0.09	0.478	0.629	
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 5	DS11	656000	3840	17.28	17.70	1.102			0.09	0.176	0.194	
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 5	DS11	656000	3840	17.26	17.70	1.107			-0.10	0.156	0.173	
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 5	DS11	656000	3840	17.28	17.70	1.102			0.02	0.252	0.278	
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 5	DS11	656000	3840	17.26	17.70	1.107			0.15	0.210	0.232	
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 5	DS11	656000	3840	17.28	17.70	1.102			0.04	0.094	0.103	
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 5	DS11	656000	3840	17.26	17.70	1.107			-0.11	0.078	0.087	
	FR1 n77_HPUE	100M	BPSK	1	1	Right Cheek	0mm	Ant 5	DS11	656000	3840	20.06	21.50	1.393	50.0	1.0	0.13	0.434	0.605	Other PA
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 10	DS11	656000	3840	25.06	25.70	1.159			0.16	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 10	DS11	656000	3840	24.79	25.70	1.233			-0.02	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 10	DS11	656000	3840	25.06	25.70	1.159			0.16	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 10	DS11	656000	3840	24.79	25.70	1.233			-0.11	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 10	DS11	656000	3840	25.06	25.70	1.159			-0.14	0.048	0.056	
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 10	DS11	656000	3840	24.79	25.70	1.233			0.06	0.044	0.054	
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 10	DS11	656000	3840	25.06	25.70	1.159			0.07	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 10	DS11	656000	3840	24.79	25.70	1.233			-0.13	0.001	0.001	
	FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 10	DS11	656000	3840	27.11	28.50	1.377	50.0	1.0	-0.16	0.037	0.051	
	FR1 n77	100M	BPSK	1	1	Right Cheek	0mm	Ant 19	DS11	656000	3840	17.31	18.70	1.377			-0.14	0.053	0.072	
	FR1 n77	100M	BPSK	135	69	Right Cheek	0mm	Ant 19	DS11	656000	3840	17.30	18.70	1.38			-0.18	0.053	0.074	
	FR1 n77	100M	BPSK	1	1	Right Tilted	0mm	Ant 19	DS11	656000	3840	17.31	18.70	1.377			0.11	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Right Tilted	0mm	Ant 19	DS11	656000	3840	17.30	18.70	1.38			-0.17	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Left Cheek	0mm	Ant 19	DS11	656000	3840	17.31	18.70	1.377			0.08	0.199	0.274	
	FR1 n77	100M	BPSK	135	69	Left Cheek	0mm	Ant 19	DS11	656000	3840	17.30	18.70	1.38			0.09	0.154	0.213	
	FR1 n77	100M	BPSK	1	1	Left Tilted	0mm	Ant 19	DS11	656000	3840	17.31	18.70	1.377			-0.15	0.042	0.058	
	FR1 n77	100M	BPSK	135	69	Left Tilted	0mm	Ant 19	DS11	656000	3840	17.30	18.70	1.38			0.08	0.031	0.043	
	FR1 n77_HPUE	100M	BPSK	1	1	Left Cheek	0mm	Ant 19	DS11	656000	3840	20.32	21.70	1.374	50.0	1.0	0.16	0.186	0.255	



【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 7	Head Standalone	1	2412	16.83	17.50	1.167	97.45	1.026	-0.15	0.275	0.330	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 7	Head Standalone	1	2412	16.83	17.50	1.167	97.45	1.026	-0.05	0.074	0.089	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 7	Head Standalone	1	2412	16.83	17.50	1.167	97.45	1.026	-0.01	0.493	0.590	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 7	Head Standalone	1	2412	16.83	17.50	1.167	97.45	1.026	-0.14	0.148	0.177	
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 14	Head Standalone	1	2412	16.83	17.50	1.167	97.45	1.026	0.11	0.378	0.453	
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 14	Head Standalone	1	2412	16.83	17.50	1.167	97.45	1.026	0.13	0.413	0.495	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 14	Head Standalone	1	2412	16.83	17.50	1.167	97.45	1.026	-0.16	0.692	0.828	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 14	Head Standalone	6	2437	16.61	17.50	1.227	97.45	1.026	-0.15	0.708	0.891	
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 14	Head Standalone	11	2462	16.69	17.50	1.205	97.45	1.026	-0.01	0.631	0.780	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 14	Head Standalone	1	2412	16.83	17.50	1.167	97.45	1.026	0.11	0.725	0.868	
26	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 14	Head Standalone	6	2437	16.61	17.50	1.227	97.45	1.026	0.04	0.785	0.988	
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 14	Head Standalone	11	2462	16.69	17.50	1.205	97.45	1.026	-0.03	0.648	0.801	
	WLAN2.4GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 7+14	Head Standalone	6	2437	19.79	20.50	1.178	100.0	1.0	0.04	0.431	0.508	
	WLAN2.4GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 7+14	Head Standalone	6	2437	19.79	20.50	1.178	100.0	1.0	-0.08	0.440	0.518	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+14	Head Standalone	6	2437	19.79	20.50	1.178	100.0	1.0	0.02	0.820	0.966	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+14	Head Standalone	3	2422	19.73	20.50	1.194	100.0	1.0	-0.16	0.739	0.882	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 7+14	Head Standalone	9	2452	19.70	20.50	1.202	100.0	1.0	-0.17	0.779	0.937	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+14	Head Standalone	6	2437	19.79	20.50	1.178	100.0	1.0	-0.14	0.797	0.939	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+14	Head Standalone	3	2422	19.73	20.50	1.194	100.0	1.0	0.02	0.704	0.840	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 7+14	Head Standalone	9	2452	19.70	20.50	1.202	100.0	1.0	-0.12	0.744	0.895	
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 8+15(15)	Head Standalone	50	5250	14.53	15.50	1.25	100.0	1.0	-0.19	0.451	0.564	
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 8+15(15)	Head Standalone	50	5250	14.53	15.50	1.25	100.0	1.0	0.16	0.499	0.624	
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 8+15(15)	Head Standalone	50	5250	14.53	15.50	1.25	100.0	1.0	0.15	0.641	0.801	
27	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 8+15(15)	Head Standalone	50	5250	14.53	15.50	1.25	100.0	1.0	0.06	0.795	0.994	
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Cheek	0mm	Ant 8+15(8)	Head Standalone	114	5570	13.75	14.50	1.189	100.0	1.0	-0.08	0.305	0.363	
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Tilted	0mm	Ant 8+15(8)	Head Standalone	114	5570	13.75	14.50	1.189	100.0	1.0	-0.07	0.287	0.342	
28	WLAN5GHz	802.11ac-VHT160 MCS0	Left Cheek	0mm	Ant 8+15(8)	Head Standalone	114	5570	13.75	14.50	1.189	100.0	1.0	0.04	0.847	1.007	
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Tilted	0mm	Ant 8+15(8)	Head Standalone	114	5570	13.75	14.50	1.189	100.0	1.0	-0.01	0.713	0.848	
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 8+15(8)	Head Standalone	155	5775	13.52	14.50	1.253	100.0	1.0	-0.13	0.292	0.365	
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 8+15(8)	Head Standalone	155	5775	13.52	14.50	1.253	100.0	1.0	-0.05	0.275	0.344	
29	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 8+15(8)	Head Standalone	155	5775	13.52	14.50	1.253	100.0	1.0	0.07	0.810	1.015	
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 8+15(8)	Head Standalone	155	5775	13.52	14.50	1.253	100.0	1.0	0.01	0.682	0.855	

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 7	Head Standalone	0	2402	14.67	16.00	1.358	76.68	1.086	0.04	0.136	0.201	
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 7	Head Standalone	0	2402	14.67	16.00	1.358	76.68	1.086	-0.04	0.001	0.002	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 7	Head Standalone	0	2402	14.67	16.00	1.358	76.68	1.086	0.09	0.228	0.336	
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 7	Head Standalone	0	2402	14.67	16.00	1.358	76.68	1.086	0.01	0.070	0.103	
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 14	Head Standalone	0	2402	15.92	17.50	1.439	76.68	1.086	-0.16	0.230	0.360	
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 14	Head Standalone	0	2402	15.92	17.50	1.439	76.68	1.086	-0.10	0.245	0.382	
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 14	Head Standalone	0	2402	15.92	17.50	1.439	76.68	1.086	-0.02	0.395	0.617	
30	Bluetooth	1Mbps	Left Tilted	0mm	Ant 14	Head Standalone	0	2402	15.92	17.50	1.439	76.68	1.086	0.13	0.448	0.700	

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)
	WLAN6GHz	802.11ax-HE160 MCS0	Right Cheek	0mm	Ant 8+15(8)	For Head Standalone	207	6985	15.59	16.50	1.233	100	1.000	-0.14	0.186	0.229	1.21
	WLAN6GHz	802.11ax-HE160 MCS0	Right Tilted	0mm	Ant 8+15(8)	For Head Standalone	207	6985	15.59	16.50	1.233	100	1.000	0.08	0.197	0.243	1.28
	WLAN6GHz	802.11ax-HE160 MCS0	Left Cheek	0mm	Ant 8+15(8)	For Head Standalone	207	6985	15.59	16.50	1.233	100	1.000	0.11	0.426	0.525	2.51
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 8+15(8)	For Head Standalone	207	6985	15.59	16.50	1.233	100	1.000	0.06	0.471	0.581	2.71
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 8+15(15)	For Head Standalone	15	6025	14.38	15.00	1.153	100	1.000	-0.15	0.724	0.835	4.77
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 8+15(8)	For Head Standalone	47	6185	13.60	14.50	1.230	100	1.000	0.09	0.580	0.713	3.77
	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 8+15(8)	For Head Standalone	111	6505	13.56	14.50	1.242	100	1.000	0.05	0.820	1.018	5.13
31	WLAN6GHz	802.11ax-HE160 MCS0	Left Tilted	0mm	Ant 8+15(8)	For Head Standalone	143	6665	14.87	15.50	1.156	100	1.000	-0.09	0.946	1.094	5.91



16.2 Hotspot SAR

【GSM SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	GSM850	GPRS 4 Tx slots	Front	10mm	Ant 0	DSIS	189	836.4	27.41	28.00	1.146	0.05	0.208	0.239	
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 0	DSIS	189	836.4	27.41	28.00	1.146	0.17	0.284	0.326	
	GSM850	GPRS 4 Tx slots	Left Side	10mm	Ant 0	DSIS	189	836.4	27.41	28.00	1.146	0.14	0.133	0.152	
	GSM850	GPRS 4 Tx slots	Right Side	10mm	Ant 0	DSIS	189	836.4	27.41	28.00	1.146	-0.08	0.371	0.425	
	GSM850	GPRS 4 Tx slots	Top Side	10mm	Ant 0	DSIS	189	836.4	27.41	28.00	1.146	0.06	0.001	0.001	
	GSM850	GPRS 4 Tx slots	Bottom Side	10mm	Ant 0	DSIS	189	836.4	27.41	28.00	1.146	-0.06	0.164	0.188	
	GSM850	GPRS 4 Tx slots	Front	10mm	Ant 1	DSIS	189	836.4	24.57	26.00	1.39	-0.18	0.455	0.633	
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 1	DSIS	189	836.4	24.57	26.00	1.39	0.06	0.545	0.758	
32	GSM850	GPRS 4 Tx slots	Left Side	10mm	Ant 1	DSIS	189	836.4	24.57	26.00	1.39	0.07	0.744	1.034	
	GSM850	GPRS 4 Tx slots	Left Side	10mm	Ant 1	DSIS	128	824.2	24.54	26.00	1.4	0.05	0.683	0.956	
	GSM850	GPRS 4 Tx slots	Left Side	10mm	Ant 1	DSIS	251	848.8	24.48	26.00	1.419	-0.08	0.727	1.032	
	GSM850	GPRS 4 Tx slots	Right Side	10mm	Ant 1	DSIS	189	836.4	24.57	26.00	1.39	0.18	0.002	0.002	
	GSM850	GPRS 4 Tx slots	Top Side	10mm	Ant 1	DSIS	189	836.4	24.57	26.00	1.39	0.06	0.002	0.002	
	GSM850	GPRS 4 Tx slots	Bottom Side	10mm	Ant 1	DSIS	189	836.4	24.57	26.00	1.39	0.06	0.002	0.002	
	GSM1900	GPRS 4 Tx slots	Front	10mm	Ant 4	DSIS	661	1880	21.85	22.50	1.161	-0.01	0.239	0.277	
	GSM1900	GPRS 4 Tx slots	Back	10mm	Ant 4	DSIS	661	1880	21.85	22.50	1.161	0.04	0.381	0.442	
	GSM1900	GPRS 4 Tx slots	Left Side	10mm	Ant 4	DSIS	661	1880	21.85	22.50	1.161	-0.03	0.175	0.203	
	GSM1900	GPRS 4 Tx slots	Right Side	10mm	Ant 4	DSIS	661	1880	21.85	22.50	1.161	0.05	0.056	0.065	
	GSM1900	GPRS 4 Tx slots	Top Side	10mm	Ant 4	DSIS	661	1880	21.85	22.50	1.161	0.12	0.552	0.641	
	GSM1900	GPRS 4 Tx slots	Bottom Side	10mm	Ant 4	DSIS	661	1880	21.85	22.50	1.161	-0.08	0.001	0.001	
	GSM1900	GPRS 4 Tx slots	Front	10mm	Ant 5	DSIS	661	1880	22.35	23.50	1.303	0.15	0.227	0.296	
	GSM1900	GPRS 4 Tx slots	Back	10mm	Ant 5	DSIS	661	1880	22.35	23.50	1.303	-0.17	0.360	0.470	
33	GSM1900	GPRS 4 Tx slots	Left Side	10mm	Ant 5	DSIS	661	1880	22.35	23.50	1.303	0.08	0.575	0.749	
	GSM1900	GPRS 4 Tx slots	Right Side	10mm	Ant 5	DSIS	661	1880	22.35	23.50	1.303	0.18	0.001	0.001	
	GSM1900	GPRS 4 Tx slots	Top Side	10mm	Ant 5	DSIS	661	1880	22.35	23.50	1.303	-0.07	0.094	0.123	
	GSM1900	GPRS 4 Tx slots	Bottom Side	10mm	Ant 5	DSIS	661	1880	22.35	23.50	1.303	0.03	0.050	0.065	

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	WCDMA II	RMC 12.2Kbps	Front	10mm	Ant 4	DSIS	9400	1880	18.75	19.50	1.189	-0.03	0.170	0.203	
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 4	DSIS	9400	1880	18.75	19.50	1.189	-0.14	0.265	0.315	
	WCDMA II	RMC 12.2Kbps	Left Side	10mm	Ant 4	DSIS	9400	1880	18.75	19.50	1.189	0.06	0.128	0.152	
	WCDMA II	RMC 12.2Kbps	Right Side	10mm	Ant 4	DSIS	9400	1880	18.75	19.50	1.189	-0.05	0.001	0.001	
	WCDMA II	RMC 12.2Kbps	Top Side	10mm	Ant 4	DSIS	9400	1880	18.75	19.50	1.189	0.01	0.361	0.429	
	WCDMA II	RMC 12.2Kbps	Bottom Side	10mm	Ant 4	DSIS	9400	1880	18.75	19.50	1.189	0.02	0.001	0.001	
	WCDMA II	RMC 12.2Kbps	Front	10mm	Ant 5	DSIS	9400	1880	17.90	19.10	1.318	-0.06	0.159	0.209	
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 5	DSIS	9400	1880	17.90	19.10	1.318	-0.01	0.243	0.321	
34	WCDMA II	RMC 12.2Kbps	Left Side	10mm	Ant 5	DSIS	9400	1880	17.90	19.10	1.318	0.02	0.328	0.432	
	WCDMA II	RMC 12.2Kbps	Right Side	10mm	Ant 5	DSIS	9400	1880	17.90	19.10	1.318	-0.13	0.001	0.001	
	WCDMA II	RMC 12.2Kbps	Top Side	10mm	Ant 5	DSIS	9400	1880	17.90	19.10	1.318	0.05	0.067	0.088	
	WCDMA II	RMC 12.2Kbps	Bottom Side	10mm	Ant 5	DSIS	9400	1880	17.90	19.10	1.318	-0.09	0.001	0.001	
	WCDMA IV	RMC 12.2Kbps	Front	10mm	Ant 4	DSIS	1413	1732.6	17.93	18.50	1.14	-0.16	0.133	0.152	
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 4	DSIS	1413	1732.6	17.93	18.50	1.14	-0.18	0.232	0.265	
	WCDMA IV	RMC 12.2Kbps	Left Side	10mm	Ant 4	DSIS	1413	1732.6	17.93	18.50	1.14	0.04	0.054	0.062	
	WCDMA IV	RMC 12.2Kbps	Right Side	10mm	Ant 4	DSIS	1413	1732.6	17.93	18.50	1.14	0.18	0.001	0.001	
35	WCDMA IV	RMC 12.2Kbps	Top Side	10mm	Ant 4	DSIS	1413	1732.6	17.93	18.50	1.14	-0.04	0.330	0.376	
	WCDMA IV	RMC 12.2Kbps	Bottom Side	10mm	Ant 4	DSIS	1413	1732.6	17.93	18.50	1.14	-0.03	0.001	0.001	
	WCDMA IV	RMC 12.2Kbps	Front	10mm	Ant 5	DSIS	1413	1732.6	17.39	18.50	1.291	0.16	0.143	0.184	
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 5	DSIS	1413	1732.6	17.39	18.50	1.291	-0.05	0.225	0.290	
	WCDMA IV	RMC 12.2Kbps	Left Side	10mm	Ant 5	DSIS	1413	1732.6	17.39	18.50	1.291	0.04	0.288	0.372	
	WCDMA IV	RMC 12.2Kbps	Right Side	10mm	Ant 5	DSIS	1413	1732.6	17.39	18.50	1.291	0.10	0.001	0.001	
	WCDMA IV	RMC 12.2Kbps	Top Side	10mm	Ant 5	DSIS	1413	1732.6	17.39	18.50	1.291	-0.03	0.001	0.001	
	WCDMA IV	RMC 12.2Kbps	Bottom Side	10mm	Ant 5	DSIS	1413	1732.6	17.39	18.50	1.291	-0.08	0.001	0.001	
	WCDMA V	RMC 12.2Kbps	Front	10mm	Ant 0	DSIS	4182	836.4	24.52	25.00	1.117	0.09	0.251	0.280	
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 0	DSIS	4182	836.4	24.52	25.00	1.117	0.11	0.363	0.405	
	WCDMA V	RMC 12.2Kbps	Left Side	10mm	Ant 0	DSIS	4182	836.4	24.52	25.00	1.117	0.04	0.163	0.182	
	WCDMA V	RMC 12.2Kbps	Right Side	10mm	Ant 0	DSIS	4182	836.4	24.52	25.00	1.117	0.02	0.468	0.523	
	WCDMA V	RMC 12.2Kbps	Top Side	10mm	Ant 0	DSIS	4182	836.4	24.52	25.00	1.117	-0.09	0.001	0.001	
	WCDMA V	RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSIS	4182	836.4	24.52	25.00	1.117	0.17	0.205	0.228	
	WCDMA V	RMC 12.2Kbps	Front	10mm	Ant 1	DSIS	4182	836.4	22.09	22.70	1.151	0.05	0.431	0.496	
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 1	DSIS	4182	836.4	22.09	22.70	1.151	-0.16	0.528	0.608	
36	WCDMA V	RMC 12.2Kbps	Left Side	10mm	Ant 1	DSIS	4182	836.4	22.09	22.70	1.151	-0.01	0.641	0.738	
	WCDMA V	RMC 12.2Kbps	Right Side	10mm	Ant 1	DSIS	4182	836.4	22.09	22.70	1.151	-0.01	0.001	0.001	
	WCDMA V	RMC 12.2Kbps	Top Side	10mm	Ant 1	DSIS	4182	836.4	22.09	22.70	1.151	0.06	0.001	0.001	
	WCDMA V	RMC 12.2Kbps	Bottom Side	10mm	Ant 1	DSIS	4182	836.4	22.09	22.70	1.151	-0.15	0.001	0.001	



【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 4	DSIS	21100	2535	16.69	17.20	1.125			-0.11	0.093	0.105	
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 4	DSIS	21100	2535	16.62	17.20	1.143			0.08	0.093	0.106	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 4	DSIS	21100	2535	16.69	17.20	1.125			0.08	0.146	0.164	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 4	DSIS	21100	2535	16.62	17.20	1.143			-0.06	0.146	0.167	
	LTE Band 7	20M	QPSK	1	0	Left Side	10mm	Ant 4	DSIS	21100	2535	16.69	17.20	1.125			-0.06	0.059	0.066	
	LTE Band 7	20M	QPSK	50	0	Left Side	10mm	Ant 4	DSIS	21100	2535	16.62	17.20	1.143			-0.06	0.059	0.067	
	LTE Band 7	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSIS	21100	2535	16.69	17.20	1.125			0.13	0.001	0.001	
	LTE Band 7	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSIS	21100	2535	16.62	17.20	1.143			-0.18	0.001	0.001	
	LTE Band 7	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSIS	21100	2535	16.69	17.20	1.125			0.19	0.198	0.223	
	LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 4	DSIS	21100	2535	16.62	17.20	1.143			0.02	0.193	0.221	
	LTE Band 7	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSIS	21100	2535	16.69	17.20	1.125			0.10	0.001	0.001	
	LTE Band 7	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSIS	21100	2535	16.62	17.20	1.143			-0.04	0.001	0.001	
	LTE Band 7	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSIS	21100+20902	2535+2515.2	16.62	17.20	1.143			-0.04	0.189	0.216	UL CA
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 5	DSIS	21100	2535	17.95	18.20	1.059			0.14	0.117	0.124	
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 5	DSIS	21100	2535	17.91	18.20	1.069			0.10	0.119	0.127	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 5	DSIS	21100	2535	17.95	18.20	1.059			-0.04	0.154	0.163	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 5	DSIS	21100	2535	17.91	18.20	1.069			-0.15	0.156	0.167	
	LTE Band 7	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSIS	21100	2535	17.95	18.20	1.059			0.12	0.316	0.335	
	LTE Band 7	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSIS	21100	2535	17.91	18.20	1.069			0.13	0.304	0.325	
	LTE Band 7	20M	QPSK	1	0	Right Side	10mm	Ant 5	DSIS	21100	2535	17.95	18.20	1.059			-0.12	0.001	0.001	
	LTE Band 7	20M	QPSK	50	0	Right Side	10mm	Ant 5	DSIS	21100	2535	17.91	18.20	1.069			-0.02	0.001	0.001	
	LTE Band 7	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSIS	21100	2535	17.95	18.20	1.059			0.03	0.001	0.001	
	LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSIS	21100	2535	17.91	18.20	1.069			-0.09	0.001	0.001	
	LTE Band 7	20M	QPSK	1	0	Bottom Side	10mm	Ant 5	DSIS	21100	2535	17.95	18.20	1.059			0.12	0.001	0.001	
	LTE Band 7	20M	QPSK	50	0	Bottom Side	10mm	Ant 5	DSIS	21100	2535	17.91	18.20	1.069			-0.01	0.001	0.001	
	LTE Band 7	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSIS	21100+20902	2535+2515.2	17.91	18.20	1.069			0.05	0.302	0.323	UL CA
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 5	21100	2535	22.07	23.00	1.239			0.09	0.247	0.306	
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 5	21100	2535	22.06	23.00	1.242			0.08	0.250	0.310	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 5	21100	2535	22.07	23.00	1.239			-0.02	0.297	0.368	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 5	21100	2535	22.06	23.00	1.242			0.14	0.295	0.367	
	LTE Band 7	20M	QPSK	1	0	Left Side	10mm	Ant 6	DSI 5	21100	2535	22.07	23.00	1.239			0.14	0.063	0.078	
	LTE Band 7	20M	QPSK	50	0	Left Side	10mm	Ant 6	DSI 5	21100	2535	22.06	23.00	1.242			0.05	0.062	0.077	
	LTE Band 7	20M	QPSK	1	0	Right Side	10mm	Ant 6	DSI 5	21100	2535	22.07	23.00	1.239			-0.01	0.060	0.074	
	LTE Band 7	20M	QPSK	50	0	Right Side	10mm	Ant 6	DSI 5	21100	2535	22.06	23.00	1.242			-0.02	0.061	0.076	
	LTE Band 7	20M	QPSK	1	0	Top Side	10mm	Ant 6	DSI 5	21100	2535	22.07	23.00	1.239			-0.13	0.001	0.001	
	LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 6	DSI 5	21100	2535	22.06	23.00	1.242			-0.01	0.001	0.001	
	LTE Band 7	20M	QPSK	1	0	Bottom Side	10mm	Ant 6	DSI 5	21100	2535	22.07	23.00	1.239			0.03	0.408	0.506	
	LTE Band 7	20M	QPSK	50	0	Bottom Side	10mm	Ant 6	DSI 5	21100	2535	22.06	23.00	1.242			-0.01	0.400	0.496	
	LTE Band 7	20M	QPSK	1	0	Bottom Side	10mm	Ant 6	DSI 5	21100+20902	2535+2515.2	21.84	23.00	1.306			0.09	0.375	0.490	UL CA
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 7	DSI 5	21100	2535	18.05	19.40	1.365			0.10	0.145	0.197	
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 7	DSI 5	21100	2535	18.03	19.40	1.371			0.16	0.145	0.198	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 7	DSI 5	21100	2535	18.05	19.40	1.365			-0.05	0.261	0.356	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 7	DSI 5	21100	2535	18.03	19.40	1.371			0.01	0.265	0.364	
	LTE Band 7	20M	QPSK	1	0	Left Side	10mm	Ant 7	DSI 5	21100	2535	18.05	19.40	1.365			0.06	0.001	0.002	
	LTE Band 7	20M	QPSK	50	0	Left Side	10mm	Ant 7	DSI 5	21100	2535	18.03	19.40	1.371			0.12	0.001	0.002	
37	LTE Band 7	20M	QPSK	1	0	Right Side	10mm	Ant 7	DSI 5	21100	2535	18.05	19.40	1.365			0.09	0.403	0.550	
	LTE Band 7	20M	QPSK	50	0	Right Side	10mm	Ant 7	DSI 5	21100	2535	18.03	19.40	1.371			-0.02	0.389	0.534	
	LTE Band 7	20M	QPSK	1	0	Top Side	10mm	Ant 7	DSI 5	21100	2535	18.05	19.40	1.365			0.16	0.081	0.110	
	LTE Band 7	20M	QPSK	50	0	Top Side	10mm	Ant 7	DSI 5	21100	2535	18.03	19.40	1.371			0.15	0.085	0.117	
	LTE Band 7	20M	QPSK	1	0	Bottom Side	10mm	Ant 7	DSI 5	21100	2535	18.05	19.40	1.365			-0.07	0.001	0.002	
	LTE Band 7	20M	QPSK	50	0	Bottom Side	10mm	Ant 7	DSI 5	21100	2535	18.03	19.40	1.371			-0.16	0.001	0.002	
	LTE Band 7	20M	QPSK	1	0	Right Side	10mm	Ant 7	DSI 5	21100+20902	2535+2515.2	18.02	19.40	1.374			-0.04	0.384	0.528	UL CA
	LTE Band 12	10M	QPSK	1	0	Front	10mm	Ant 0	DSIS	23095	707.5	24.64	25.20	1.138			0.10	0.245	0.279	
	LTE Band 12	10M	QPSK	25	0	Front	10mm	Ant 0	DSIS	23095	707.5	24.03	24.70	1.167			0.13	0.221	0.258	
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 0	DSIS	23095	707.5	24.64	25.20	1.138			0.15	0.267	0.304	
	LTE Band 12	10M	QPSK	25	0	Back	10mm	Ant 0	DSIS	23095	707.5	24.03	24.70	1.167			-0.10	0.245	0.286	
	LTE Band 12	10M	QPSK	1	0	Left Side	10mm	Ant 0	DSIS	23095	707.5	24.64	25.20	1.138			-0.02	0.139	0.159	
	LTE Band 12	10M	QPSK	25	0	Left Side	10mm	Ant 0	DSIS	23095	707.5	24.03	24.70	1.167			-0.13	0.131	0.153	
	LTE Band 12	10M	QPSK	1	0	Right Side	10mm	Ant 0	DSIS	23095	707.5	24.64	25.20	1.138			0.01	0.417	0.475	
	LTE Band 12	10M	QPSK	25	0	Right Side	10mm	Ant 0	DSIS	23095	707.5	24.03	24.70	1.167			0.09	0.372	0.434	
	LTE Band 12	10M	QPSK	1	0	Top Side	10mm	Ant 0	DSIS	23095	707.5	24.64	25.20	1.138			0.01	0.001	0.001	
	LTE Band 12	10M	QPSK	25	0	Top Side	10mm	Ant 0	DSIS	23095	707.5	24.03	24.70	1.167			-0.11	0.001	0.001	
	LTE Band 12	10M	QPSK	1	0	Bottom Side	10mm	Ant 0	DSIS	23095	707.5	24.64	25.20	1.138			-0.05	0.131	0.149	
	LTE Band 12	10M	QPSK	25	0	Bottom Side	10mm	Ant 0	DSIS	23095	707.5	24.03	24.70	1.167			-0.11	0.113	0.132	
	LTE Band 12	10M	QPSK	1	0	Front	10mm	Ant 1	DSIS	23095	707.5	21.55	22.70	1.303			0.15	0.529	0.689	
	LTE Band 12	10M	QPSK	25	0	Front	10mm	Ant 1	DSIS	23095	707.5	21.48	22.70	1.324			0.16	0.481	0.637	
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 1	DSIS	23095	707.5	21.55	22.70	1.303			0.19	0.574	0.748	
	LTE Band 12	10M	QPSK	25	0	Back	10mm	Ant 1	DSIS	23095	707.5	21.48	22.70	1.324			0.05	0.579	0.766	



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38	LTE Band 12	10M	QPSK	1	0	Left Side	10mm	Ant 1	DSIS	23095	707.5	21.55	22.70	1.303			0.01	0.663	0.864	
	LTE Band 12	10M	QPSK	25	0	Left Side	10mm	Ant 1	DSIS	23095	707.5	21.48	22.70	1.324			-0.17	0.648	0.858	
	LTE Band 12	10M	QPSK	50	0	Left Side	10mm	Ant 1	DSIS	23095	707.5	21.39	22.70	1.352			0.18	0.638	0.862	
	LTE Band 12	10M	QPSK	1	0	Right Side	10mm	Ant 1	DSIS	23095	707.5	21.55	22.70	1.303			-0.05	0.001	0.002	
	LTE Band 12	10M	QPSK	25	0	Right Side	10mm	Ant 1	DSIS	23095	707.5	21.48	22.70	1.324			0.08	0.001	0.002	
	LTE Band 12	10M	QPSK	1	0	Top Side	10mm	Ant 1	DSIS	23095	707.5	21.55	22.70	1.303			0.06	0.001	0.002	
	LTE Band 12	10M	QPSK	25	0	Top Side	10mm	Ant 1	DSIS	23095	707.5	21.48	22.70	1.324			-0.18	0.001	0.002	
	LTE Band 12	10M	QPSK	1	0	Bottom Side	10mm	Ant 1	DSIS	23095	707.5	21.55	22.70	1.303			-0.16	0.001	0.002	
	LTE Band 12	10M	QPSK	25	0	Bottom Side	10mm	Ant 1	DSIS	23095	707.5	21.48	22.70	1.324			-0.08	0.001	0.002	
	LTE Band 13	10M	QPSK	1	0	Front	10mm	Ant 0	DSIS	23230	782	25.05	25.70	1.161			0.18	0.276	0.321	
	LTE Band 13	10M	QPSK	25	0	Front	10mm	Ant 0	DSIS	23230	782	24.08	24.70	1.153			0.06	0.224	0.258	
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 0	DSIS	23230	782	25.05	25.70	1.161			-0.13	0.305	0.354	
	LTE Band 13	10M	QPSK	25	0	Back	10mm	Ant 0	DSIS	23230	782	24.08	24.70	1.153			-0.18	0.244	0.282	
	LTE Band 13	10M	QPSK	1	0	Left Side	10mm	Ant 0	DSIS	23230	782	25.05	25.70	1.161			-0.05	0.179	0.207	
	LTE Band 13	10M	QPSK	25	0	Left Side	10mm	Ant 0	DSIS	23230	782	24.08	24.70	1.153			-0.07	0.141	0.162	
	LTE Band 13	10M	QPSK	1	0	Right Side	10mm	Ant 0	DSIS	23230	782	25.05	25.70	1.161			-0.01	0.455	0.528	
	LTE Band 13	10M	QPSK	25	0	Right Side	10mm	Ant 0	DSIS	23230	782	24.08	24.70	1.153			-0.13	0.365	0.420	
	LTE Band 13	10M	QPSK	1	0	Top Side	10mm	Ant 0	DSIS	23230	782	25.05	25.70	1.161			-0.05	0.001	0.001	
	LTE Band 13	10M	QPSK	25	0	Top Side	10mm	Ant 0	DSIS	23230	782	24.08	24.70	1.153			-0.07	0.001	0.001	
	LTE Band 13	10M	QPSK	1	0	Bottom Side	10mm	Ant 0	DSIS	23230	782	25.05	25.70	1.161			0.19	0.200	0.233	
	LTE Band 13	10M	QPSK	25	0	Bottom Side	10mm	Ant 0	DSIS	23230	782	24.08	24.70	1.153			0.15	0.152	0.175	
	LTE Band 13	10M	QPSK	1	0	Front	10mm	Ant 1	DSIS	23230	782	21.06	22.20	1.3			-0.18	0.402	0.522	
	LTE Band 13	10M	QPSK	25	0	Front	10mm	Ant 1	DSIS	23230	782	21.04	22.20	1.306			0.03	0.405	0.529	
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 1	DSIS	23230	782	21.06	22.20	1.3			-0.13	0.464	0.603	
	LTE Band 13	10M	QPSK	25	0	Back	10mm	Ant 1	DSIS	23230	782	21.04	22.20	1.306			-0.11	0.465	0.608	
39	LTE Band 13	10M	QPSK	1	0	Left Side	10mm	Ant 1	DSIS	23230	782	21.06	22.20	1.3			-0.01	0.508	0.660	
	LTE Band 13	10M	QPSK	25	0	Left Side	10mm	Ant 1	DSIS	23230	782	21.04	22.20	1.306			0.09	0.487	0.636	
	LTE Band 13	10M	QPSK	1	0	Right Side	10mm	Ant 1	DSIS	23230	782	21.06	22.20	1.3			0.06	0.001	0.002	
	LTE Band 13	10M	QPSK	25	0	Right Side	10mm	Ant 1	DSIS	23230	782	21.04	22.20	1.306			0.13	0.001	0.002	
	LTE Band 13	10M	QPSK	1	0	Top Side	10mm	Ant 1	DSIS	23230	782	21.06	22.20	1.3			0.13	0.001	0.002	
	LTE Band 13	10M	QPSK	25	0	Top Side	10mm	Ant 1	DSIS	23230	782	21.04	22.20	1.306			-0.15	0.001	0.002	
	LTE Band 13	10M	QPSK	1	0	Bottom Side	10mm	Ant 1	DSIS	23230	782	21.06	22.20	1.3			0.17	0.001	0.002	
	LTE Band 13	10M	QPSK	25	0	Bottom Side	10mm	Ant 1	DSIS	23230	782	21.04	22.20	1.306			-0.13	0.001	0.002	
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 4	DSIS	26340	1880	18.69	19.20	1.125			0.10	0.162	0.183	
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 4	DSIS	26340	1880	18.58	19.20	1.153			0.08	0.164	0.189	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 4	DSIS	26340	1880	18.69	19.20	1.125			0.09	0.235	0.264	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 4	DSIS	26340	1880	18.58	19.20	1.153			0.02	0.243	0.281	
	LTE Band 25	20M	QPSK	1	0	Left Side	10mm	Ant 4	DSIS	26340	1880	18.69	19.20	1.125			-0.16	0.052	0.059	
	LTE Band 25	20M	QPSK	50	0	Left Side	10mm	Ant 4	DSIS	26340	1880	18.58	19.20	1.153			0.18	0.053	0.062	
	LTE Band 25	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSIS	26340	1880	18.69	19.20	1.125			-0.03	0.001	0.001	
	LTE Band 25	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSIS	26340	1880	18.58	19.20	1.153			0.16	0.001	0.001	
	LTE Band 25	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSIS	26340	1880	18.69	19.20	1.125			-0.06	0.354	0.399	
	LTE Band 25	20M	QPSK	50	0	Top Side	10mm	Ant 4	DSIS	26340	1880	18.58	19.20	1.153			0.00	0.376	0.434	
	LTE Band 25	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSIS	26340	1880	18.69	19.20	1.125			0.11	0.001	0.001	
	LTE Band 25	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSIS	26340	1880	18.58	19.20	1.153			0.05	0.001	0.001	
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 5	DSIS	26340	1880	17.25	17.70	1.109			0.04	0.159	0.177	
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 5	DSIS	26340	1880	17.24	17.70	1.112			0.03	0.162	0.180	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 5	DSIS	26340	1880	17.25	17.70	1.109			-0.09	0.231	0.257	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 5	DSIS	26340	1880	17.24	17.70	1.112			-0.03	0.241	0.268	
	LTE Band 25	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSIS	26340	1880	17.25	17.70	1.109			0.03	0.352	0.390	
	LTE Band 25	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSIS	26340	1880	17.24	17.70	1.112			0.05	0.344	0.383	
	LTE Band 25	20M	QPSK	1	0	Right Side	10mm	Ant 5	DSIS	26340	1880	17.25	17.70	1.109			0.05	0.001	0.001	
	LTE Band 25	20M	QPSK	50	0	Right Side	10mm	Ant 5	DSIS	26340	1880	17.24	17.70	1.112			0.12	0.001	0.001	
	LTE Band 25	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSIS	26340	1880	17.25	17.70	1.109			0.15	0.001	0.001	
	LTE Band 25	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSIS	26340	1880	17.24	17.70	1.112			-0.15	0.001	0.001	
	LTE Band 25	20M	QPSK	1	0	Bottom Side	10mm	Ant 5	DSIS	26340	1880	17.25	17.70	1.109			-0.14	0.001	0.001	
	LTE Band 25	20M	QPSK	50	0	Bottom Side	10mm	Ant 5	DSIS	26340	1880	17.24	17.70	1.112			0.17	0.001	0.001	
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 5	26340	1880	19.83	20.20	1.089			-0.08	0.259	0.282	
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 5	26340	1880	19.79	20.20	1.099			-0.13	0.261	0.287	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 5	26340	1880	19.83	20.20	1.089			-0.02	0.308	0.336	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 5	26340	1880	19.79	20.20	1.099			-0.01	0.319	0.351	
	LTE Band 25	20M	QPSK	1	0	Left Side	10mm	Ant 6	DSI 5	26340	1880	19.83	20.20	1.089			0.04	0.144	0.157	
	LTE Band 25	20M	QPSK	50	0	Left Side	10mm	Ant 6	DSI 5	26340	1880	19.79	20.20	1.099			0.07	0.145	0.160	
	LTE Band 25	20M	QPSK	1	0	Right Side	10mm	Ant 6	DSI 5	26340	1880	19.83	20.20	1.089			-0.17	0.054	0.059	
	LTE Band 25	20M	QPSK	50	0	Right Side	10mm	Ant 6	DSI 5	26340	1880	19.79	20.20	1.099			-0.14	0.057	0.062	
	LTE Band 25	20M	QPSK	1	0	Top Side	10mm	Ant 6	DSI 5	26340	1880	19.83	20.20	1.089			0.02	0.001	0.001	
	LTE Band 25	20M	QPSK	50	0	Top Side	10mm	Ant 6	DSI 5	26340	1880	19.79	20.20	1.099			-0.05	0.001	0.001	
	LTE Band 25	20M	QPSK	1	0	Bottom Side	10mm	Ant 6	DSI 5	26340	1880	19.83	20.20	1.089			0.02	0.455	0.495	
	LTE Band 25	20M	QPSK	50	0	Bottom Side	10mm	Ant 6	DSI 5	26340	1880	19.79	20.20	1.099			0.02	0.429	0.471	
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 7	DSI 5	26340	1880	17.80	19.10	1.349			-0.04	0.190	0.257	
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 7	DSI 5	26340	1880	17.78	19.10	1.355			-0.05	0.193	0.261	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 7	DSI 5	26340	1880	17.80	19.10	1.349			0.07	0.226	0.305	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 7	DSI 5	26340	1880	17.78	19.10	1.355			-0.01	0.231	0.313	



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	LTE Band 25	20M	QPSK	1	0	Left Side	10mm	Ant 7	DSI 5	26340	1880	17.80	19.10	1.349			0.03	0.001	0.002	
	LTE Band 25	20M	QPSK	50	0	Left Side	10mm	Ant 7	DSI 5	26340	1880	17.78	19.10	1.355			0.18	0.001	0.002	
40	LTE Band 25	20M	QPSK	1	0	Right Side	10mm	Ant 7	DSI 5	26340	1880	17.80	19.10	1.349			0.01	0.382	0.515	
	LTE Band 25	20M	QPSK	50	0	Right Side	10mm	Ant 7	DSI 5	26340	1880	17.78	19.10	1.355			-0.09	0.368	0.498	
	LTE Band 25	20M	QPSK	1	0	Top Side	10mm	Ant 7	DSI 5	26340	1880	17.80	19.10	1.349			0.12	0.001	0.002	
	LTE Band 25	20M	QPSK	50	0	Top Side	10mm	Ant 7	DSI 5	26340	1880	17.78	19.10	1.355			-0.00	0.001	0.002	
	LTE Band 25	20M	QPSK	1	0	Bottom Side	10mm	Ant 7	DSI 5	26340	1880	17.80	19.10	1.349			0.19	0.001	0.002	
	LTE Band 25	20M	QPSK	50	0	Bottom Side	10mm	Ant 7	DSI 5	26340	1880	17.78	19.10	1.355			0.17	0.001	0.002	
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 0	DSI5	26865	831.5	24.73	25.20	1.114			-0.04	0.263	0.293	
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 0	DSI5	26865	831.5	24.15	24.70	1.135			0.11	0.240	0.272	
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 0	DSI5	26865	831.5	24.73	25.20	1.114			-0.08	0.365	0.407	
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 0	DSI5	26865	831.5	24.15	24.70	1.135			0.01	0.333	0.378	
	LTE Band 26	15M	QPSK	1	0	Left Side	10mm	Ant 0	DSI5	26865	831.5	24.73	25.20	1.114			0.10	0.128	0.142	
	LTE Band 26	15M	QPSK	36	0	Left Side	10mm	Ant 0	DSI5	26865	831.5	24.15	24.70	1.135			-0.14	0.117	0.133	
	LTE Band 26	15M	QPSK	1	0	Right Side	10mm	Ant 0	DSI5	26865	831.5	24.73	25.20	1.114			0.02	0.474	0.528	
	LTE Band 26	15M	QPSK	36	0	Right Side	10mm	Ant 0	DSI5	26865	831.5	24.15	24.70	1.135			-0.06	0.426	0.484	
	LTE Band 26	15M	QPSK	1	0	Top Side	10mm	Ant 0	DSI5	26865	831.5	24.73	25.20	1.114			-0.19	0.001	0.001	
	LTE Band 26	15M	QPSK	36	0	Top Side	10mm	Ant 0	DSI5	26865	831.5	24.15	24.70	1.135			0.00	0.001	0.001	
	LTE Band 26	15M	QPSK	1	0	Bottom Side	10mm	Ant 0	DSI5	26865	831.5	24.73	25.20	1.114			-0.02	0.197	0.219	
	LTE Band 26	15M	QPSK	36	0	Bottom Side	10mm	Ant 0	DSI5	26865	831.5	24.15	24.70	1.135			-0.01	0.178	0.202	
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 1	DSI5	26865	831.5	21.59	22.70	1.291			-0.19	0.469	0.605	
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 1	DSI5	26865	831.5	21.47	22.70	1.327			0.11	0.477	0.633	
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 1	DSI5	26865	831.5	21.59	22.70	1.291			0.11	0.549	0.709	
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 1	DSI5	26865	831.5	21.47	22.70	1.327			-0.14	0.566	0.751	
41	LTE Band 26	15M	QPSK	1	0	Left Side	10mm	Ant 1	DSI5	26865	831.5	21.59	22.70	1.291			0.02	0.664	0.857	
	LTE Band 26	15M	QPSK	36	0	Left Side	10mm	Ant 1	DSI5	26865	831.5	21.47	22.70	1.327			0.01	0.641	0.850	
	LTE Band 26	15M	QPSK	75	0	Left Side	10mm	Ant 1	DSI5	26865	831.5	21.31	22.70	1.377			-0.18	0.618	0.851	
	LTE Band 26	15M	QPSK	1	0	Right Side	10mm	Ant 1	DSI5	26865	831.5	21.59	22.70	1.291			-0.01	0.001	0.002	
	LTE Band 26	15M	QPSK	36	0	Right Side	10mm	Ant 1	DSI5	26865	831.5	21.47	22.70	1.327			-0.10	0.001	0.002	
	LTE Band 26	15M	QPSK	1	0	Top Side	10mm	Ant 1	DSI5	26865	831.5	21.59	22.70	1.291			0.06	0.001	0.002	
	LTE Band 26	15M	QPSK	36	0	Top Side	10mm	Ant 1	DSI5	26865	831.5	21.47	22.70	1.327			-0.12	0.001	0.002	
	LTE Band 26	15M	QPSK	1	0	Bottom Side	10mm	Ant 1	DSI5	26865	831.5	21.59	22.70	1.291			0.06	0.001	0.002	
	LTE Band 26	15M	QPSK	36	0	Bottom Side	10mm	Ant 1	DSI5	26865	831.5	21.47	22.70	1.327			0.17	0.001	0.002	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 4	DSI5	132322	1745	18.12	18.70	1.143			-0.06	0.102	0.116	
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 4	DSI5	132322	1745	17.95	18.70	1.189			-0.18	0.104	0.123	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 4	DSI5	132322	1745	18.12	18.70	1.143			-0.09	0.169	0.193	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 4	DSI5	132322	1745	17.95	18.70	1.189			-0.06	0.171	0.203	
	LTE Band 66	20M	QPSK	1	0	Left Side	10mm	Ant 4	DSI5	132322	1745	18.12	18.70	1.143			-0.15	0.064	0.073	
	LTE Band 66	20M	QPSK	50	0	Left Side	10mm	Ant 4	DSI5	132322	1745	17.95	18.70	1.189			0.10	0.066	0.078	
	LTE Band 66	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI5	132322	1745	18.12	18.70	1.143			0.09	0.001	0.001	
	LTE Band 66	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI5	132322	1745	17.95	18.70	1.189			-0.12	0.001	0.001	
	LTE Band 66	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSI5	132322	1745	18.12	18.70	1.143			0.15	0.262	0.299	
	LTE Band 66	20M	QPSK	50	0	Top Side	10mm	Ant 4	DSI5	132322	1745	17.95	18.70	1.189			-0.04	0.272	0.323	
	LTE Band 66	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI5	132322	1745	18.12	18.70	1.143			-0.01	0.001	0.001	
	LTE Band 66	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI5	132322	1745	17.95	18.70	1.189			-0.06	0.001	0.001	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 5	DSI5	132322	1745	17.33	17.70	1.089			-0.04	0.140	0.152	
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 5	DSI5	132322	1745	17.28	17.70	1.102			0.01	0.133	0.146	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 5	DSI5	132322	1745	17.33	17.70	1.089			-0.03	0.184	0.201	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 5	DSI5	132322	1745	17.28	17.70	1.102			0.17	0.190	0.210	
	LTE Band 66	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSI5	132322	1745	17.33	17.70	1.089			0.08	0.282	0.307	
	LTE Band 66	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSI5	132322	1745	17.28	17.70	1.102			0.00	0.277	0.305	
	LTE Band 66	20M	QPSK	1	0	Right Side	10mm	Ant 5	DSI5	132322	1745	17.33	17.70	1.089			-0.19	0.001	0.001	
	LTE Band 66	20M	QPSK	50	0	Right Side	10mm	Ant 5	DSI5	132322	1745	17.28	17.70	1.102			-0.18	0.001	0.001	
	LTE Band 66	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSI5	132322	1745	17.33	17.70	1.089			0.01	0.001	0.001	
	LTE Band 66	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSI5	132322	1745	17.28	17.70	1.102			0.06	0.001	0.001	
	LTE Band 66	20M	QPSK	1	0	Bottom Side	10mm	Ant 5	DSI5	132322	1745	17.33	17.70	1.089			0.15	0.001	0.001	
	LTE Band 66	20M	QPSK	50	0	Bottom Side	10mm	Ant 5	DSI5	132322	1745	17.28	17.70	1.102			0.14	0.001	0.001	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 5	132322	1745	20.48	20.70	1.052			-0.11	0.224	0.236	
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 5	132322	1745	20.47	20.70	1.054			0.07	0.186	0.196	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 5	132322	1745	20.48	20.70	1.052			0.14	0.264	0.278	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 5	132322	1745	20.47	20.70	1.054			-0.09	0.214	0.226	
	LTE Band 66	20M	QPSK	1	0	Left Side	10mm	Ant 6	DSI 5	132322	1745	20.48	20.70	1.052			-0.10	0.103	0.108	
	LTE Band 66	20M	QPSK	50	0	Left Side	10mm	Ant 6	DSI 5	132322	1745	20.47	20.70	1.054			0.02	0.089	0.094	
	LTE Band 66	20M	QPSK	1	0	Right Side	10mm	Ant 6	DSI 5	132322	1745	20.48	20.70	1.052			0.18	0.062	0.066	
	LTE Band 66	20M	QPSK	50	0	Right Side	10mm	Ant 6	DSI 5	132322	1745	20.47	20.70	1.054			0.10	0.076	0.080	
	LTE Band 66	20M	QPSK	1	0	Top Side	10mm	Ant 6	DSI 5	132322	1745	20.48	20.70	1.052			-0.08	0.001	0.001	
	LTE Band 66	20M	QPSK	50	0	Top Side	10mm	Ant 6	DSI 5	132322	1745	20.47	20.70	1.054			0.18	0.001	0.001	
	LTE Band 66	20M	QPSK	1	0	Bottom Side	10mm	Ant 6	DSI 5	132322	1745	20.48	20.70	1.052			-0.02	0.331	0.348	
	LTE Band 66	20M	QPSK	50	0	Bottom Side	10mm	Ant 6	DSI 5	132322	1745	20.47	20.70	1.054			0.11	0.280	0.295	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 7	DSI 5	132322	1745	18.84	19.70	1.219			0.01	0.202	0.246	
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 7	DSI 5	132322	1745	18.82	19.70	1.225			-0.10	0.178	0.218	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 7	DSI 5	132322	1745	18.84	19.70	1.219			0.14	0.253	0.309	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 7	DSI 5	132322	1745	18.82	19.7							



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	LTE Band 66	20M	QPSK	1	0	Left Side	10mm	Ant 7	DSI 5	132322	1745	18.84	19.70	1.219			0.08	0.001	0.001	
	LTE Band 66	20M	QPSK	50	0	Left Side	10mm	Ant 7	DSI 5	132322	1745	18.82	19.70	1.225			0.12	0.001	0.001	
42	LTE Band 66	20M	QPSK	1	0	Right Side	10mm	Ant 7	DSI 5	132322	1745	18.84	19.70	1.219			0.02	0.384	0.468	
	LTE Band 66	20M	QPSK	50	0	Right Side	10mm	Ant 7	DSI 5	132322	1745	18.82	19.70	1.225			-0.08	0.335	0.411	
	LTE Band 66	20M	QPSK	1	0	Top Side	10mm	Ant 7	DSI 5	132322	1745	18.84	19.70	1.219			0.09	0.001	0.001	
	LTE Band 66	20M	QPSK	50	0	Top Side	10mm	Ant 7	DSI 5	132322	1745	18.82	19.70	1.225			-0.02	0.001	0.001	
	LTE Band 66	20M	QPSK	1	0	Bottom Side	10mm	Ant 7	DSI 5	132322	1745	18.84	19.70	1.219			0.01	0.001	0.001	
	LTE Band 66	20M	QPSK	50	0	Bottom Side	10mm	Ant 7	DSI 5	132322	1745	18.82	19.70	1.225			0.18	0.001	0.001	
	LTE Band 71	20M	QPSK	1	0	Front	10mm	Ant 0	DSI5	133297	680.5	25.17	25.70	1.113			-0.05	0.154	0.174	
	LTE Band 71	20M	QPSK	50	0	Front	10mm	Ant 0	DSI5	133297	680.5	24.04	24.70	1.164			0.08	0.123	0.143	
	LTE Band 71	20M	QPSK	1	0	Back	10mm	Ant 0	DSI5	133297	680.5	25.17	25.70	1.113			-0.16	0.169	0.191	
	LTE Band 71	20M	QPSK	50	0	Back	10mm	Ant 0	DSI5	133297	680.5	24.04	24.70	1.164			-0.02	0.130	0.151	
	LTE Band 71	20M	QPSK	1	0	Left Side	10mm	Ant 0	DSI5	133297	680.5	25.17	25.70	1.113			-0.18	0.110	0.124	
	LTE Band 71	20M	QPSK	50	0	Left Side	10mm	Ant 0	DSI5	133297	680.5	24.04	24.70	1.164			-0.03	0.087	0.101	
	LTE Band 71	20M	QPSK	1	0	Right Side	10mm	Ant 0	DSI5	133297	680.5	25.17	25.70	1.113			0.02	0.307	0.347	
	LTE Band 71	20M	QPSK	50	0	Right Side	10mm	Ant 0	DSI5	133297	680.5	24.04	24.70	1.164			0.09	0.242	0.282	
	LTE Band 71	20M	QPSK	1	0	Top Side	10mm	Ant 0	DSI5	133297	680.5	25.17	25.70	1.113			-0.06	0.001	0.001	
	LTE Band 71	20M	QPSK	50	0	Top Side	10mm	Ant 0	DSI5	133297	680.5	24.04	24.70	1.164			-0.16	0.001	0.001	
	LTE Band 71	20M	QPSK	1	0	Bottom Side	10mm	Ant 0	DSI5	133297	680.5	25.17	25.70	1.113			-0.07	0.067	0.076	
	LTE Band 71	20M	QPSK	50	0	Bottom Side	10mm	Ant 0	DSI5	133297	680.5	24.04	24.70	1.164			-0.08	0.053	0.062	
	LTE Band 71	20M	QPSK	1	0	Front	10mm	Ant 1	DSI5	133297	680.5	22.08	23.20	1.294			-0.14	0.411	0.532	
	LTE Band 71	20M	QPSK	50	0	Front	10mm	Ant 1	DSI5	133297	680.5	22.03	23.20	1.309			-0.12	0.380	0.498	
	LTE Band 71	20M	QPSK	1	0	Back	10mm	Ant 1	DSI5	133297	680.5	22.08	23.20	1.294			0.10	0.471	0.610	
	LTE Band 71	20M	QPSK	50	0	Back	10mm	Ant 1	DSI5	133297	680.5	22.03	23.20	1.309			-0.11	0.470	0.616	
43	LTE Band 71	20M	QPSK	1	0	Left Side	10mm	Ant 1	DSI5	133297	680.5	22.08	23.20	1.294			-0.05	0.566	0.732	
	LTE Band 71	20M	QPSK	50	0	Left Side	10mm	Ant 1	DSI5	133297	680.5	22.03	23.20	1.309			-0.11	0.544	0.712	
	LTE Band 71	20M	QPSK	1	0	Right Side	10mm	Ant 1	DSI5	133297	680.5	22.08	23.20	1.294			0.04	0.047	0.061	
	LTE Band 71	20M	QPSK	50	0	Right Side	10mm	Ant 1	DSI5	133297	680.5	22.03	23.20	1.309			-0.04	0.046	0.061	
	LTE Band 71	20M	QPSK	1	0	Top Side	10mm	Ant 1	DSI5	133297	680.5	22.08	23.20	1.294			0.19	0.001	0.001	
	LTE Band 71	20M	QPSK	50	0	Top Side	10mm	Ant 1	DSI5	133297	680.5	22.03	23.20	1.309			0.15	0.001	0.001	
	LTE Band 71	20M	QPSK	1	0	Bottom Side	10mm	Ant 1	DSI5	133297	680.5	22.08	23.20	1.294			-0.04	0.001	0.001	
	LTE Band 71	20M	QPSK	50	0	Bottom Side	10mm	Ant 1	DSI5	133297	680.5	22.03	23.20	1.309			-0.17	0.001	0.001	
	LTE Band 38	20M	QPSK	1	0	Front	10mm	Ant 5	DSI5	38000	2595	19.22	19.70	1.117	62.9	1.006	-0.07	0.168	0.189	
	LTE Band 38	20M	QPSK	50	0	Front	10mm	Ant 5	DSI5	38000	2595	19.19	19.70	1.125	62.9	1.006	0.16	0.156	0.177	
	LTE Band 38	20M	QPSK	1	0	Back	10mm	Ant 5	DSI5	38000	2595	19.22	19.70	1.117	62.9	1.006	-0.01	0.230	0.258	
	LTE Band 38	20M	QPSK	50	0	Back	10mm	Ant 5	DSI5	38000	2595	19.19	19.70	1.125	62.9	1.006	-0.06	0.215	0.244	
44	LTE Band 38	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSI5	38000	2595	19.22	19.70	1.117	62.9	1.006	0.10	0.384	0.432	
	LTE Band 38	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSI5	38000	2595	19.19	19.70	1.125	62.9	1.006	-0.06	0.380	0.430	
	LTE Band 38	20M	QPSK	1	0	Right Side	10mm	Ant 5	DSI5	38000	2595	19.22	19.70	1.117	62.9	1.006	-0.03	0.001	0.001	
	LTE Band 38	20M	QPSK	50	0	Right Side	10mm	Ant 5	DSI5	38000	2595	19.19	19.70	1.125	62.9	1.006	-0.17	0.001	0.001	
	LTE Band 38	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSI5	38000	2595	19.22	19.70	1.117	62.9	1.006	-0.02	0.064	0.072	
	LTE Band 38	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSI5	38000	2595	19.19	19.70	1.125	62.9	1.006	-0.07	0.066	0.074	
	LTE Band 38	20M	QPSK	1	0	Bottom Side	10mm	Ant 5	DSI5	38000	2595	19.22	19.70	1.117	62.9	1.006	-0.17	0.038	0.043	
	LTE Band 38	20M	QPSK	50	0	Bottom Side	10mm	Ant 5	DSI5	38000	2595	19.19	19.70	1.125	62.9	1.006	0.10	0.001	0.001	
	LTE Band 41	20M	QPSK	1	0	Front	10mm	Ant 4	DSI5	40620	2593	18.65	19.20	1.135	62.9	1.006	0.15	0.105	0.120	
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 4	DSI5	40620	2593	18.64	19.20	1.138	62.9	1.006	0.07	0.110	0.126	
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 4	DSI5	40620	2593	18.65	19.20	1.135	62.9	1.006	-0.10	0.161	0.184	
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 4	DSI5	40620	2593	18.64	19.20	1.138	62.9	1.006	0.11	0.165	0.189	
	LTE Band 41	20M	QPSK	1	0	Left Side	10mm	Ant 4	DSI5	40620	2593	18.65	19.20	1.135	62.9	1.006	0.05	0.059	0.068	
	LTE Band 41	20M	QPSK	50	0	Left Side	10mm	Ant 4	DSI5	40620	2593	18.64	19.20	1.138	62.9	1.006	-0.06	0.060	0.069	
	LTE Band 41	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI5	40620	2593	18.65	19.20	1.135	62.9	1.006	0.17	0.001	0.001	
	LTE Band 41	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI5	40620	2593	18.64	19.20	1.138	62.9	1.006	-0.10	0.001	0.001	
	LTE Band 41	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSI5	40620	2593	18.65	19.20	1.135	62.9	1.006	-0.02	0.214	0.244	
	LTE Band 41	20M	QPSK	50	0	Top Side	10mm	Ant 4	DSI5	40620	2593	18.64	19.20	1.138	62.9	1.006	-0.05	0.211	0.241	
	LTE Band 41	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI5	40620	2593	18.65	19.20	1.135	62.9	1.006	0.18	0.001	0.001	
	LTE Band 41	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI5	40620	2593	18.64	19.20	1.138	62.9	1.006	0.17	0.001	0.001	
	LTE Band 38	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSI5	37901+38099	2585.1+2604.9	18.54	19.20	1.164	62.9	1.006	-0.18	0.195	0.228	UL CA
	LTE Band 41	20M	QPSK	1	0	Front	10mm	Ant 5	DSI5	40620	2593	19.36	19.60	1.057	62.9	1.006	-0.08	0.143	0.152	
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 5	DSI5	40620	2593	19.35	19.60	1.059	62.9	1.006	-0.08	0.126	0.134	
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 5	DSI5	40620	2593	19.36	19.60	1.057	62.9	1.006	-0.09	0.183	0.195	
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 5	DSI5	40620	2593	19.35	19.60	1.059	62.9	1.006	0.15	0.174	0.185	
	LTE Band 41	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSI5	40620	2593	19.36	19.60	1.057	62.9	1.006	-0.03	0.309	0.329	
	LTE Band 41	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSI5	40620	2593	19.35	19.60	1.059	62.9	1.006	-0.04	0.302	0.322	
	LTE Band 41	20M	QPSK	1	0	Right Side	10mm	Ant 5	DSI5	40620	2593	19.36	19.60	1.057	62.9	1.006	-0.10	0.001	0.001	
	LTE Band 41	20M	QPSK	50	0	Right Side	10mm	Ant 5	DSI5	40620	2593	19.35	19.60	1.059	62.9	1.006	-0.04	0.001	0.001	
	LTE Band 41	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSI5	40620	2593	19.36	19.60	1.057	62.9	1.006	-0.13	0.055	0.058	
	LTE Band 41	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSI5	40620	2593	19.35	19.60	1.059	62.9	1.006	-0.03	0.053	0.057	
	LTE Band 41	20M	QPSK	1	0	Bottom Side	10mm	Ant 5	DSI5	40620	2593	19.36	19.60	1.057	62.9	1.006	0.12	0.001	0.001	
	LTE Band 41	20M	QPSK	50	0	Bottom Side	10mm	Ant 5	DSI5	40620	2593	19.35	19.60	1.059	62.9	1.006	-0.17	0.001	0.001	
	LTE Band 38	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSI5	37901+38099	2585.1+2604.9	19.18	19.70	1.127	62.9	1.006	-0.17	0.284	0.322	UL CA
	LTE Band																			



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	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 5	40620	2593	24.07	24.70	1.156	62.9	1.006	-0.03	0.262	0.305	
	LTE Band 41	20M	QPSK	1	0	Left Side	10mm	Ant 6	DSI 5	40620	2593	24.17	24.70	1.13	62.9	1.006	-0.13	0.056	0.064	
	LTE Band 41	20M	QPSK	50	0	Left Side	10mm	Ant 6	DSI 5	40620	2593	24.07	24.70	1.156	62.9	1.006	-0.16	0.052	0.060	
	LTE Band 41	20M	QPSK	1	0	Right Side	10mm	Ant 6	DSI 5	40620	2593	24.17	24.70	1.13	62.9	1.006	-0.05	0.060	0.069	
	LTE Band 41	20M	QPSK	50	0	Right Side	10mm	Ant 6	DSI 5	40620	2593	24.07	24.70	1.156	62.9	1.006	0.05	0.056	0.065	
	LTE Band 41	20M	QPSK	1	0	Top Side	10mm	Ant 6	DSI 5	40620	2593	24.17	24.70	1.13	62.9	1.006	0.01	0.001	0.001	
	LTE Band 41	20M	QPSK	50	0	Top Side	10mm	Ant 6	DSI 5	40620	2593	24.07	24.70	1.156	62.9	1.006	-0.00	0.001	0.001	
	LTE Band 41	20M	QPSK	1	0	Bottom Side	10mm	Ant 6	DSI 5	40620	2593	24.17	24.70	1.13	62.9	1.006	-0.01	0.372	0.423	
	LTE Band 41	20M	QPSK	50	0	Bottom Side	10mm	Ant 6	DSI 5	40620	2593	24.07	24.70	1.156	62.9	1.006	0.09	0.345	0.401	
	LTE Band 38	20M	QPSK	1	0	Bottom Side	10mm	Ant 6	DSI 5	37901+38099	2585.1+2604.9	23.97	24.70	1.183	62.9	1.006	-0.09	0.351	0.418	UL CA
	LTE Band 41	20M	QPSK	1	0	Front	10mm	Ant 7	DSI 5	40620	2593	20.78	22.20	1.387	62.9	1.006	-0.05	0.133	0.186	
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 7	DSI 5	40620	2593	20.75	22.20	1.396	62.9	1.006	0.15	0.130	0.183	
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 7	DSI 5	40620	2593	20.78	22.20	1.387	62.9	1.006	-0.00	0.277	0.387	
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 7	DSI 5	40620	2593	20.75	22.20	1.396	62.9	1.006	-0.11	0.271	0.381	
	LTE Band 41	20M	QPSK	1	0	Left Side	10mm	Ant 7	DSI 5	40620	2593	20.78	22.20	1.387	62.9	1.006	-0.05	0.001	0.002	
	LTE Band 41	20M	QPSK	50	0	Left Side	10mm	Ant 7	DSI 5	40620	2593	20.75	22.20	1.396	62.9	1.006	0.06	0.020	0.028	
45	LTE Band 41	20M	QPSK	1	0	Right Side	10mm	Ant 7	DSI 5	40620	2593	20.78	22.20	1.387	62.9	1.006	-0.14	0.406	0.567	
	LTE Band 41	20M	QPSK	50	0	Right Side	10mm	Ant 7	DSI 5	40620	2593	20.75	22.20	1.396	62.9	1.006	0.00	0.380	0.534	
	LTE Band 41	20M	QPSK	1	0	Top Side	10mm	Ant 7	DSI 5	40620	2593	20.78	22.20	1.387	62.9	1.006	0.13	0.070	0.097	
	LTE Band 41	20M	QPSK	50	0	Top Side	10mm	Ant 7	DSI 5	40620	2593	20.75	22.20	1.396	62.9	1.006	0.02	0.066	0.093	
	LTE Band 41	20M	QPSK	1	0	Bottom Side	10mm	Ant 7	DSI 5	40620	2593	20.78	22.20	1.387	62.9	1.006	-0.13	0.024	0.033	
	LTE Band 41	20M	QPSK	50	0	Bottom Side	10mm	Ant 7	DSI 5	40620	2593	20.75	22.20	1.396	62.9	1.006	0.12	0.001	0.002	
	LTE Band 38	20M	QPSK	1	0	Right Side	10mm	Ant 7	DSI 5	37901+38099	2585.1+2604.9	20.25	21.70	1.396	62.9	1.006	0.01	0.376	0.528	UL CA
	LTE Band 42	20M	QPSK	1	0	Front	10mm	Ant 4	DSI5	42590	3500	17.25	17.70	1.109	62.9	1.006	-0.02	0.095	0.106	
	LTE Band 42	20M	QPSK	50	0	Front	10mm	Ant 4	DSI5	42590	3500	17.23	17.70	1.114	62.9	1.006	-0.13	0.113	0.127	
	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 4	DSI5	42590	3500	17.25	17.70	1.109	62.9	1.006	-0.02	0.074	0.083	
	LTE Band 42	20M	QPSK	50	0	Back	10mm	Ant 4	DSI5	42590	3500	17.23	17.70	1.114	62.9	1.006	0.01	0.100	0.112	
	LTE Band 42	20M	QPSK	1	0	Left Side	10mm	Ant 4	DSI5	42590	3500	17.25	17.70	1.109	62.9	1.006	0.14	0.001	0.001	
	LTE Band 42	20M	QPSK	50	0	Left Side	10mm	Ant 4	DSI5	42590	3500	17.23	17.70	1.114	62.9	1.006	-0.10	0.036	0.040	
	LTE Band 42	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSI5	42590	3500	17.25	17.70	1.109	62.9	1.006	-0.03	0.013	0.015	
	LTE Band 42	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSI5	42590	3500	17.23	17.70	1.114	62.9	1.006	-0.09	0.029	0.032	
	LTE Band 42	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSI5	42590	3500	17.25	17.70	1.109	62.9	1.006	-0.01	0.124	0.138	
	LTE Band 42	20M	QPSK	50	0	Top Side	10mm	Ant 4	DSI5	42590	3500	17.23	17.70	1.114	62.9	1.006	-0.01	0.120	0.134	
	LTE Band 42	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSI 5	42590	3500	11.63	13.00	1.371	62.9	1.006	0.04	0.074	0.102	Other PA
	LTE Band 42	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSI5	42590	3500	17.25	17.70	1.109	62.9	1.006	0.07	0.021	0.023	
	LTE Band 42	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSI5	42590	3500	17.23	17.70	1.114	62.9	1.006	-0.13	0.001	0.001	
	LTE Band 42	20M	QPSK	1	0	Front	10mm	Ant 5	DSI5	42590	3500	19.24	19.70	1.112	62.9	1.006	-0.06	0.113	0.127	
	LTE Band 42	20M	QPSK	50	0	Front	10mm	Ant 5	DSI5	42590	3500	19.23	19.70	1.114	62.9	1.006	0.03	0.124	0.139	
	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 5	DSI5	42590	3500	19.24	19.70	1.112	62.9	1.006	-0.09	0.185	0.207	
	LTE Band 42	20M	QPSK	50	0	Back	10mm	Ant 5	DSI5	42590	3500	19.23	19.70	1.114	62.9	1.006	-0.11	0.177	0.199	
	LTE Band 42	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSI5	42590	3500	19.24	19.70	1.112	62.9	1.006	0.09	0.375	0.420	
	LTE Band 42	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSI5	42590	3500	19.23	19.70	1.114	62.9	1.006	-0.06	0.363	0.407	
	LTE Band 42	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSI 5	42590	3500	13.46	14.90	1.393	62.9	1.006	0.02	0.136	0.191	Other PA
	LTE Band 42	20M	QPSK	1	0	Right Side	10mm	Ant 5	DSI5	42590	3500	19.24	19.70	1.112	62.9	1.006	0.07	0.001	0.002	
	LTE Band 42	20M	QPSK	50	0	Right Side	10mm	Ant 5	DSI5	42590	3500	19.23	19.70	1.114	62.9	1.006	-0.08	0.001	0.002	
	LTE Band 42	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSI5	42590	3500	19.24	19.70	1.112	62.9	1.006	0.17	0.055	0.061	
	LTE Band 42	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSI5	42590	3500	19.23	19.70	1.114	62.9	1.006	-0.05	0.059	0.066	
	LTE Band 42	20M	QPSK	1	0	Bottom Side	10mm	Ant 5	DSI5	42590	3500	19.24	19.70	1.112	62.9	1.006	0.11	0.001	0.002	
	LTE Band 42	20M	QPSK	50	0	Bottom Side	10mm	Ant 5	DSI5	42590	3500	19.23	19.70	1.114	62.9	1.006	-0.15	0.061	0.069	
	LTE Band 42	20M	QPSK	1	0	Front	10mm	Ant 10	DSI 5	42590	3500	19.15	19.70	1.135	62.9	1.006	-0.13	0.001	0.001	
	LTE Band 42	20M	QPSK	50	0	Front	10mm	Ant 10	DSI 5	42590	3500	19.13	19.70	1.14	62.9	1.006	0.13	0.001	0.001	
46	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 10	DSI 5	42590	3500	19.15	19.70	1.135	62.9	1.006	-0.05	0.446	0.509	
	LTE Band 42	20M	QPSK	50	0	Back	10mm	Ant 10	DSI 5	42590	3500	19.13	19.70	1.14	62.9	1.006	0.15	0.431	0.494	
	LTE Band 42	20M	QPSK	1	0	Left Side	10mm	Ant 10	DSI 5	42590	3500	19.15	19.70	1.135	62.9	1.006	0.08	0.001	0.001	
	LTE Band 42	20M	QPSK	50	0	Left Side	10mm	Ant 10	DSI 5	42590	3500	19.13	19.70	1.14	62.9	1.006	0.02	0.001	0.001	
	LTE Band 42	20M	QPSK	1	0	Right Side	10mm	Ant 10	DSI 5	42590	3500	19.15	19.70	1.135	62.9	1.006	0.01	0.063	0.072	
	LTE Band 42	20M	QPSK	50	0	Right Side	10mm	Ant 10	DSI 5	42590	3500	19.13	19.70	1.14	62.9	1.006	0.15	0.067	0.076	
	LTE Band 42	20M	QPSK	1	0	Top Side	10mm	Ant 10	DSI 5	42590	3500	19.15	19.70	1.135	62.9	1.006	-0.04	0.001	0.001	
	LTE Band 42	20M	QPSK	50	0	Top Side	10mm	Ant 10	DSI 5	42590	3500	19.13	19.70	1.14	62.9	1.006	0.07	0.034	0.039	
	LTE Band 42	20M	QPSK	1	0	Bottom Side	10mm	Ant 10	DSI 5	42590	3500	19.15	19.70	1.135	62.9	1.006	-0.14	0.001	0.001	
	LTE Band 42	20M	QPSK	50	0	Bottom Side	10mm	Ant 10	DSI 5	42590	3500	19.13	19.70	1.14	62.9	1.006	-0.10	0.001	0.001	
	LTE Band 42	20M	QPSK	1	0	Front	10mm	Ant 19	DSI 5	42590	3500	19.44	20.70	1.337	62.9	1.006	0.13	0.117	0.158	
	LTE Band 42	20M	QPSK	50	0	Front	10mm	Ant 19	DSI 5	42590	3500	19.52	20.70	1.312	62.9	1.006	0.02	0.113	0.148	
	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 19	DSI 5	42590	3500	19.44	20.70	1.337	62.9	1.006	0.03	0.310	0.417	
	LTE Band 42	20M	QPSK	50	0	Back	10mm	Ant 19	DSI 5	42590	3500	19.52	20.70	1.312	62.9	1.006	-0.01	0.298	0.393	
	LTE Band 42	20M	QPSK	1	0	Left Side	10mm	Ant 19	DSI 5	42590	3500	19.44	20.70	1.337	62.9	1.006	-0.07	0.001	0.001	
	LTE Band 42	20M	QPSK	50	0	Left Side	10mm	Ant 19	DSI 5	42590	3500	19.52	20.70	1.312	62.9	1.006	-0.19	0.001	0.001	
	LTE Band 42	20M	QPSK	1	0	Right Side	10mm	Ant 19	DSI 5	42590	3500	19.44	20.70	1.337	62.9	1.006	0.02	0.100	0.135	
	LTE Band 42	20M																		



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	LTE Band 48	20M	QPSK	1	0	Front	10mm	Ant 4	DSi5	55990	3625	17.20	18.50	1.349	62.9	1.006	0.02	0.118	0.160	
	LTE Band 48	20M	QPSK	50	0	Front	10mm	Ant 4	DSi5	55990	3625	17.07	18.50	1.39	62.9	1.006	0.11	0.100	0.140	
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 4	DSi5	55990	3625	17.20	18.50	1.349	62.9	1.006	0.13	0.072	0.097	
	LTE Band 48	20M	QPSK	50	0	Back	10mm	Ant 4	DSi5	55990	3625	17.07	18.50	1.39	62.9	1.006	-0.05	0.094	0.132	
	LTE Band 48	20M	QPSK	1	0	Left Side	10mm	Ant 4	DSi5	55990	3625	17.20	18.50	1.349	62.9	1.006	0.11	0.023	0.032	
	LTE Band 48	20M	QPSK	50	0	Left Side	10mm	Ant 4	DSi5	55990	3625	17.07	18.50	1.39	62.9	1.006	-0.10	0.030	0.042	
	LTE Band 48	20M	QPSK	1	0	Right Side	10mm	Ant 4	DSi5	55990	3625	17.20	18.50	1.349	62.9	1.006	0.09	0.016	0.021	
	LTE Band 48	20M	QPSK	50	0	Right Side	10mm	Ant 4	DSi5	55990	3625	17.07	18.50	1.39	62.9	1.006	-0.17	0.014	0.020	
	LTE Band 48	20M	QPSK	1	0	Top Side	10mm	Ant 4	DSi5	55990	3625	17.20	18.50	1.349	62.9	1.006	0.04	0.140	0.190	
	LTE Band 48	20M	QPSK	50	0	Top Side	10mm	Ant 4	DSi5	55990	3625	17.07	18.50	1.39	62.9	1.006	-0.15	0.132	0.185	
	LTE Band 48	20M	QPSK	1	0	Bottom Side	10mm	Ant 4	DSi5	55990	3625	17.20	18.50	1.349	62.9	1.006	0.10	0.013	0.018	
	LTE Band 48	20M	QPSK	50	0	Bottom Side	10mm	Ant 4	DSi5	55990	3625	17.07	18.50	1.39	62.9	1.006	-0.03	0.014	0.020	
	LTE Band 48	20M	QPSK	1	0	Front	10mm	Ant 5	DSi5	55990	3625	19.12	20.50	1.374	62.9	1.006	0.06	0.113	0.156	
	LTE Band 48	20M	QPSK	50	0	Front	10mm	Ant 5	DSi5	55990	3625	19.10	20.50	1.38	62.9	1.006	0.10	0.124	0.172	
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 5	DSi5	55990	3625	19.12	20.50	1.374	62.9	1.006	0.02	0.191	0.264	
	LTE Band 48	20M	QPSK	50	0	Back	10mm	Ant 5	DSi5	55990	3625	19.10	20.50	1.38	62.9	1.006	-0.01	0.191	0.265	
47	LTE Band 48	20M	QPSK	1	0	Left Side	10mm	Ant 5	DSi5	55990	3625	19.12	20.50	1.374	62.9	1.006	0.05	0.394	0.545	
	LTE Band 48	20M	QPSK	50	0	Left Side	10mm	Ant 5	DSi5	55990	3625	19.10	20.50	1.38	62.9	1.006	0.10	0.386	0.535	
	LTE Band 48	20M	QPSK	1	0	Right Side	10mm	Ant 5	DSi5	55990	3625	19.12	20.50	1.374	62.9	1.006	-0.11	0.001	0.002	
	LTE Band 48	20M	QPSK	50	0	Right Side	10mm	Ant 5	DSi5	55990	3625	19.10	20.50	1.38	62.9	1.006	-0.05	0.057	0.079	
	LTE Band 48	20M	QPSK	1	0	Top Side	10mm	Ant 5	DSi5	55990	3625	19.12	20.50	1.374	62.9	1.006	-0.17	0.071	0.098	
	LTE Band 48	20M	QPSK	50	0	Top Side	10mm	Ant 5	DSi5	55990	3625	19.10	20.50	1.38	62.9	1.006	-0.10	0.054	0.075	
	LTE Band 48	20M	QPSK	1	0	Bottom Side	10mm	Ant 5	DSi5	55990	3625	19.12	20.50	1.374	62.9	1.006	-0.09	0.054	0.075	
	LTE Band 48	20M	QPSK	50	0	Bottom Side	10mm	Ant 5	DSi5	55990	3625	19.10	20.50	1.38	62.9	1.006	0.10	0.052	0.072	
	LTE Band 48	20M	QPSK	1	0	Front	10mm	Ant 10	DSi 5	55990	3625	19.20	20.50	1.349	62.9	1.006	0.09	0.001	0.001	
	LTE Band 48	20M	QPSK	50	0	Front	10mm	Ant 10	DSi 5	55990	3625	19.18	20.50	1.355	62.9	1.006	0.08	0.022	0.030	
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 10	DSi 5	55990	3625	19.20	20.50	1.349	62.9	1.006	0.04	0.152	0.206	
	LTE Band 48	20M	QPSK	50	0	Back	10mm	Ant 10	DSi 5	55990	3625	19.18	20.50	1.355	62.9	1.006	0.04	0.148	0.202	
	LTE Band 48	20M	QPSK	1	0	Left Side	10mm	Ant 10	DSi 5	55990	3625	19.20	20.50	1.349	62.9	1.006	0.18	0.024	0.033	
	LTE Band 48	20M	QPSK	50	0	Left Side	10mm	Ant 10	DSi 5	55990	3625	19.18	20.50	1.355	62.9	1.006	0.16	0.014	0.019	
	LTE Band 48	20M	QPSK	1	0	Right Side	10mm	Ant 10	DSi 5	55990	3625	19.20	20.50	1.349	62.9	1.006	-0.03	0.025	0.034	
	LTE Band 48	20M	QPSK	50	0	Right Side	10mm	Ant 10	DSi 5	55990	3625	19.18	20.50	1.355	62.9	1.006	-0.12	0.038	0.052	
	LTE Band 48	20M	QPSK	1	0	Top Side	10mm	Ant 10	DSi 5	55990	3625	19.20	20.50	1.349	62.9	1.006	0.05	0.029	0.039	
	LTE Band 48	20M	QPSK	50	0	Top Side	10mm	Ant 10	DSi 5	55990	3625	19.18	20.50	1.355	62.9	1.006	0.17	0.001	0.001	
	LTE Band 48	20M	QPSK	1	0	Bottom Side	10mm	Ant 10	DSi 5	55990	3625	19.20	20.50	1.349	62.9	1.006	0.17	0.018	0.024	
	LTE Band 48	20M	QPSK	50	0	Bottom Side	10mm	Ant 10	DSi 5	55990	3625	19.18	20.50	1.355	62.9	1.006	0.10	0.017	0.023	
	LTE Band 48	20M	QPSK	1	0	Front	10mm	Ant 19	DSi 5	55990	3625	19.93	21.20	1.34	62.9	1.006	0.09	0.096	0.130	
	LTE Band 48	20M	QPSK	50	0	Front	10mm	Ant 19	DSi 5	55990	3625	19.85	21.20	1.365	62.9	1.006	-0.00	0.082	0.112	
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 19	DSi 5	55990	3625	19.93	21.20	1.34	62.9	1.006	0.04	0.369	0.497	
	LTE Band 48	20M	QPSK	50	0	Back	10mm	Ant 19	DSi 5	55990	3625	19.85	21.20	1.365	62.9	1.006	-0.05	0.363	0.499	
	LTE Band 48	20M	QPSK	1	0	Left Side	10mm	Ant 19	DSi 5	55990	3625	19.93	21.20	1.34	62.9	1.006	0.07	0.001	0.002	
	LTE Band 48	20M	QPSK	50	0	Left Side	10mm	Ant 19	DSi 5	55990	3625	19.85	21.20	1.365	62.9	1.006	0.06	0.001	0.002	
	LTE Band 48	20M	QPSK	1	0	Right Side	10mm	Ant 19	DSi 5	55990	3625	19.93	21.20	1.34	62.9	1.006	0.09	0.096	0.130	
	LTE Band 48	20M	QPSK	50	0	Right Side	10mm	Ant 19	DSi 5	55990	3625	19.85	21.20	1.365	62.9	1.006	-0.11	0.107	0.147	
	LTE Band 48	20M	QPSK	1	0	Top Side	10mm	Ant 19	DSi 5	55990	3625	19.93	21.20	1.34	62.9	1.006	0.05	0.038	0.051	
	LTE Band 48	20M	QPSK	50	0	Top Side	10mm	Ant 19	DSi 5	55990	3625	19.85	21.20	1.365	62.9	1.006	-0.15	0.001	0.002	
	LTE Band 48	20M	QPSK	1	0	Bottom Side	10mm	Ant 19	DSi 5	55990	3625	19.93	21.20	1.34	62.9	1.006	0.01	0.025	0.033	
	LTE Band 48	20M	QPSK	50	0	Bottom Side	10mm	Ant 19	DSi 5	55990	3625	19.85	21.20	1.365	62.9	1.006	-0.04	0.049	0.068	

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	FR1 n7	50M	BPSK	1	1	Front	10mm	Ant 4	DSi5	507000	2535	16.77	17.20	1.104			-0.17	0.110	0.122	
	FR1 n7	50M	BPSK	135	68	Front	10mm	Ant 4	DSi5	507000	2535	16.76	17.20	1.107			0.04	0.113	0.125	
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 4	DSi5	507000	2535	16.77	17.20	1.104			0.02	0.168	0.186	
	FR1 n7	50M	BPSK	135	68	Back	10mm	Ant 4	DSi5	507000	2535	16.76	17.20	1.107			0.07	0.171	0.189	
	FR1 n7	50M	BPSK	1	1	Left Side	10mm	Ant 4	DSi5	507000	2535	16.77	17.20	1.104			-0.00	0.060	0.066	
	FR1 n7	50M	BPSK	135	68	Left Side	10mm	Ant 4	DSi5	507000	2535	16.76	17.20	1.107			0.11	0.068	0.075	
	FR1 n7	50M	BPSK	1	1	Right Side	10mm	Ant 4	DSi5	507000	2535	16.77	17.20	1.104			-0.18	0.001	0.001	
	FR1 n7	50M	BPSK	135	68	Right Side	10mm	Ant 4	DSi5	507000	2535	16.76	17.20	1.107			-0.01	0.001	0.001	
	FR1 n7	50M	BPSK	1	1	Top Side	10mm	Ant 4	DSi5	507000	2535	16.77	17.20	1.104			-0.06	0.259	0.286	
	FR1 n7	50M	BPSK	135	68	Top Side	10mm	Ant 4	DSi5	507000	2535	16.76	17.20	1.107			-0.11	0.229	0.254	
	FR1 n7	50M	BPSK	1	1	Bottom Side	10mm	Ant 4	DSi5	507000	2535	16.77	17.20	1.104			-0.11	0.001	0.001	
	FR1 n7	50M	BPSK	135	68	Bottom Side	10mm	Ant 4	DSi5	507000	2535	16.76	17.20	1.107			-0.17	0.001	0.001	
	FR1 n7	50M	BPSK	1	1	Front	10mm	Ant 5	DSi5	507000	2535	17.76	18.20	1.107			-0.18	0.204	0.225	
	FR1 n7	50M	BPSK	135	68	Front	10mm	Ant 5	DSi5	507000	2535	17.73	18.20	1.114			0.17	0.161	0.179	
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 5	DSi5	507000	2535	17.76	18.20	1.107			0.02	0.147	0.162	
	FR1 n7	50M	BPSK	135	68	Back	10mm	Ant 5	DSi5	507000	2535	17.73	18.20	1.114			0.11	0.225	0.251	
	FR1 n7	50M	BPSK	1	1	Left Side	10mm	Ant 5	DSi5	507000	2535	17.76	18.20	1.107			-0.01	0.378	0.418	
	FR1 n7	50M	BPSK	135	68	Left Side	10mm	Ant 5	DSi5	507000	2535	17.73	18.20	1.114			-0.03	0.386	0.430	
	FR1 n7	50M	BPSK	1	1	Right Side	10mm	Ant 5	DSi5	507000	2535	17.76	18.20	1.107			0.09	0.001	0.001	
	FR1 n7	50M	BPSK	135	68	Right Side	10mm	Ant 5	DSi5	507000	2535	17.73	18.20	1.114			-0.12	0.001	0.001	



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	FR1 n7	50M	BPSK	1	1	Top Side	10mm	Ant 5	DSI5	507000	2535	17.76	18.20	1.107			0.15	0.001	0.001	
	FR1 n7	50M	BPSK	135	68	Top Side	10mm	Ant 5	DSI5	507000	2535	17.73	18.20	1.114			0.13	0.045	0.050	
	FR1 n7	50M	BPSK	1	1	Bottom Side	10mm	Ant 5	DSI5	507000	2535	17.76	18.20	1.107			0.16	0.001	0.001	
	FR1 n7	50M	BPSK	135	68	Bottom Side	10mm	Ant 5	DSI5	507000	2535	17.73	18.20	1.114			0.07	0.001	0.001	
	FR1 n7	50M	BPSK	1	1	Front	10mm	Ant 6	DSI 5	507000	2535	21.78	22.50	1.18			-0.10	0.217	0.257	
	FR1 n7	50M	BPSK	135	68	Front	10mm	Ant 6	DSI 5	507000	2535	21.75	22.50	1.189			-0.10	0.213	0.254	
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 6	DSI 5	507000	2535	21.78	22.50	1.18			-0.17	0.281	0.332	
	FR1 n7	50M	BPSK	135	68	Back	10mm	Ant 6	DSI 5	507000	2535	21.75	22.50	1.189			0.17	0.271	0.322	
	FR1 n7	50M	BPSK	1	1	Left Side	10mm	Ant 6	DSI 5	507000	2535	21.78	22.50	1.18			-0.17	0.066	0.078	
	FR1 n7	50M	BPSK	135	68	Left Side	10mm	Ant 6	DSI 5	507000	2535	21.75	22.50	1.189			0.09	0.058	0.069	
	FR1 n7	50M	BPSK	1	1	Right Side	10mm	Ant 6	DSI 5	507000	2535	21.78	22.50	1.18			-0.13	0.044	0.052	
	FR1 n7	50M	BPSK	135	68	Right Side	10mm	Ant 6	DSI 5	507000	2535	21.75	22.50	1.189			-0.17	0.050	0.060	
	FR1 n7	50M	BPSK	1	1	Top Side	10mm	Ant 6	DSI 5	507000	2535	21.78	22.50	1.18			-0.10	0.001	0.001	
	FR1 n7	50M	BPSK	135	68	Top Side	10mm	Ant 6	DSI 5	507000	2535	21.75	22.50	1.189			0.18	0.001	0.001	
	FR1 n7	50M	BPSK	1	1	Bottom Side	10mm	Ant 6	DSI 5	507000	2535	21.78	22.50	1.18			0.11	0.408	0.481	
	FR1 n7	50M	BPSK	135	68	Bottom Side	10mm	Ant 6	DSI 5	507000	2535	21.75	22.50	1.189			0.08	0.375	0.446	
	FR1 n7	50M	BPSK	1	1	Front	10mm	Ant 7	DSI 5	507000	2535	19.22	20.50	1.343			0.18	0.122	0.164	
	FR1 n7	50M	BPSK	135	68	Front	10mm	Ant 7	DSI 5	507000	2535	19.19	20.50	1.352			-0.02	0.167	0.225	
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 7	DSI 5	507000	2535	19.22	20.50	1.343			-0.02	0.210	0.282	
	FR1 n7	50M	BPSK	135	68	Back	10mm	Ant 7	DSI 5	507000	2535	19.19	20.50	1.352			0.03	0.311	0.421	
	FR1 n7	50M	BPSK	1	1	Left Side	10mm	Ant 7	DSI 5	507000	2535	19.22	20.50	1.343			-0.05	0.001	0.001	
	FR1 n7	50M	BPSK	135	68	Left Side	10mm	Ant 7	DSI 5	507000	2535	19.19	20.50	1.352			-0.03	0.001	0.001	
	FR1 n7	50M	BPSK	1	1	Right Side	10mm	Ant 7	DSI 5	507000	2535	19.22	20.50	1.343			0.12	0.332	0.446	
48	FR1 n7	50M	BPSK	135	68	Right Side	10mm	Ant 7	DSI 5	507000	2535	19.19	20.50	1.352			-0.01	0.454	0.614	
	FR1 n7	50M	BPSK	1	1	Top Side	10mm	Ant 7	DSI 5	507000	2535	19.22	20.50	1.343			0.04	0.070	0.094	
	FR1 n7	50M	BPSK	135	68	Top Side	10mm	Ant 7	DSI 5	507000	2535	19.19	20.50	1.352			-0.08	0.099	0.134	
	FR1 n7	50M	BPSK	1	1	Bottom Side	10mm	Ant 7	DSI 5	507000	2535	19.22	20.50	1.343			-0.10	0.001	0.001	
	FR1 n7	50M	BPSK	135	68	Bottom Side	10mm	Ant 7	DSI 5	507000	2535	19.19	20.50	1.352			0.17	0.001	0.001	
	FR1 n12	15M	BPSK	1	1	Front	10mm	Ant 0	DSI5	141500	707.5	24.66	25.20	1.132			-0.05	0.259	0.293	
	FR1 n12	15M	BPSK	36	22	Front	10mm	Ant 0	DSI5	141500	707.5	24.63	25.20	1.14			-0.07	0.302	0.344	
	FR1 n12	15M	BPSK	1	1	Back	10mm	Ant 0	DSI5	141500	707.5	24.66	25.20	1.132			-0.19	0.294	0.333	
	FR1 n12	15M	BPSK	36	22	Back	10mm	Ant 0	DSI5	141500	707.5	24.63	25.20	1.14			0.17	0.308	0.351	
	FR1 n12	15M	BPSK	1	1	Left Side	10mm	Ant 0	DSI5	141500	707.5	24.66	25.20	1.132			0.14	0.119	0.135	
	FR1 n12	15M	BPSK	36	22	Left Side	10mm	Ant 0	DSI5	141500	707.5	24.63	25.20	1.14			-0.01	0.146	0.166	
	FR1 n12	15M	BPSK	1	1	Right Side	10mm	Ant 0	DSI5	141500	707.5	24.66	25.20	1.132			-0.14	0.447	0.507	
	FR1 n12	15M	BPSK	36	22	Right Side	10mm	Ant 0	DSI5	141500	707.5	24.63	25.20	1.14			0.12	0.456	0.520	
	FR1 n12	15M	BPSK	1	1	Top Side	10mm	Ant 0	DSI5	141500	707.5	24.66	25.20	1.132			-0.18	0.001	0.001	
	FR1 n12	15M	BPSK	36	22	Top Side	10mm	Ant 0	DSI5	141500	707.5	24.63	25.20	1.14			-0.01	0.001	0.001	
	FR1 n12	15M	BPSK	1	1	Bottom Side	10mm	Ant 0	DSI5	141500	707.5	24.66	25.20	1.132			0.13	0.140	0.158	
	FR1 n12	15M	BPSK	36	22	Bottom Side	10mm	Ant 0	DSI5	141500	707.5	24.63	25.20	1.14			0.16	0.153	0.175	
	FR1 n12	15M	BPSK	1	1	Front	10mm	Ant 1	DSI5	141500	707.5	20.70	22.20	1.413			-0.00	0.382	0.540	
	FR1 n12	15M	BPSK	36	22	Front	10mm	Ant 1	DSI5	141500	707.5	20.68	22.20	1.419			-0.08	0.367	0.521	
	FR1 n12	15M	BPSK	1	1	Back	10mm	Ant 1	DSI5	141500	707.5	20.70	22.20	1.413			0.06	0.473	0.668	
	FR1 n12	15M	BPSK	36	22	Back	10mm	Ant 1	DSI5	141500	707.5	20.68	22.20	1.419			0.01	0.462	0.655	
49	FR1 n12	15M	BPSK	1	1	Left Side	10mm	Ant 1	DSI5	141500	707.5	20.70	22.20	1.413			0.00	0.558	0.788	
	FR1 n12	15M	BPSK	36	22	Left Side	10mm	Ant 1	DSI5	141500	707.5	20.68	22.20	1.419			0.06	0.539	0.764	
	FR1 n12	15M	BPSK	1	1	Right Side	10mm	Ant 1	DSI5	141500	707.5	20.70	22.20	1.413			-0.07	0.001	0.002	
	FR1 n12	15M	BPSK	36	22	Right Side	10mm	Ant 1	DSI5	141500	707.5	20.68	22.20	1.419			0.17	0.001	0.002	
	FR1 n12	15M	BPSK	1	1	Top Side	10mm	Ant 1	DSI5	141500	707.5	20.70	22.20	1.413			0.06	0.001	0.002	
	FR1 n12	15M	BPSK	36	22	Top Side	10mm	Ant 1	DSI5	141500	707.5	20.68	22.20	1.419			0.11	0.001	0.002	
	FR1 n12	15M	BPSK	1	1	Bottom Side	10mm	Ant 1	DSI5	141500	707.5	20.70	22.20	1.413			-0.04	0.001	0.002	
	FR1 n12	15M	BPSK	36	22	Bottom Side	10mm	Ant 1	DSI5	141500	707.5	20.68	22.20	1.419			0.08	0.001	0.002	
	FR1 n25	40M	BPSK	1	1	Front	10mm	Ant 4	DSI5	376500	1882.5	19.19	19.70	1.125			0.10	0.202	0.227	
	FR1 n25	40M	BPSK	108	54	Front	10mm	Ant 4	DSI5	376500	1882.5	19.16	19.70	1.132			0.05	0.207	0.235	
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 4	DSI5	376500	1882.5	19.19	19.70	1.125			-0.02	0.295	0.332	
	FR1 n25	40M	BPSK	108	54	Back	10mm	Ant 4	DSI5	376500	1882.5	19.16	19.70	1.132			0.17	0.289	0.327	
	FR1 n25	40M	BPSK	1	1	Left Side	10mm	Ant 4	DSI5	376500	1882.5	19.19	19.70	1.125			0.05	0.070	0.079	
	FR1 n25	40M	BPSK	108	54	Left Side	10mm	Ant 4	DSI5	376500	1882.5	19.16	19.70	1.132			-0.12	0.070	0.079	
	FR1 n25	40M	BPSK	1	1	Right Side	10mm	Ant 4	DSI5	376500	1882.5	19.19	19.70	1.125			-0.10	0.001	0.001	
	FR1 n25	40M	BPSK	108	54	Right Side	10mm	Ant 4	DSI5	376500	1882.5	19.16	19.70	1.132			0.14	0.049	0.056	
	FR1 n25	40M	BPSK	1	1	Top Side	10mm	Ant 4	DSI5	376500	1882.5	19.19	19.70	1.125			0.18	0.438	0.492	
	FR1 n25	40M	BPSK	108	54	Top Side	10mm	Ant 4	DSI5	376500	1882.5	19.16	19.70	1.132			0.06	0.442	0.500	
	FR1 n25	40M	BPSK	1	1	Bottom Side	10mm	Ant 4	DSI5	376500	1882.5	19.19	19.70	1.125			0.01	0.001	0.001	
	FR1 n25	40M	BPSK	108	54	Bottom Side	10mm	Ant 4	DSI5	376500	1882.5	19.16	19.70	1.132			0.08	0.001	0.001	
	FR1 n25	40M	BPSK	1	1	Front	10mm	Ant 5	DSI5	376500	1882.5	16.25	16.70	1.109			-0.15	0.136	0.151	
	FR1 n25	40M	BPSK	108	54	Front	10mm	Ant 5	DSI5	376500	1882.5	16.24	16.70	1.112			-0.11	0.136	0.151	
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 5	DSI5	376500	1882.5	16.25	16.70	1.109			-0.00	0.213	0.236	
	FR1 n25	40M	BPSK	108	54	Back	10mm	Ant 5	DSI5	376500	1882.5	16.24	16.70	1.112			0.02	0.205	0.228	
	FR1 n25	40M	BPSK	1	1	Left Side	10mm	Ant 5	DSI5	376500	1882.5	16.25	16.70	1.109			-0.09	0.276	0.306	
	FR1 n25	40M	BPSK	108	54	Left Side	10mm	Ant 5	DSI5	376500	1882.5	16.24	16.70	1.112			0.05	0.273	0.303	
	FR1 n25	40M	BPSK	1	1	Right Side	10mm	Ant 5	DSI5	376500	1882.5	16.25	16.70	1.109			0.12	0.001	0.001	
	FR1 n25	40M	BPSK	108	54	Right Side	10mm	Ant 5	DSI5	376500	1882.5	16.24	16.70	1.112			-0.17	0.001	0.001	
	FR1 n25	40M	BPSK	1	1	Top Side	10mm	Ant 5	DSI5	376500	1882.									



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	FR1 n25	40M	BPSK	108	54	Top Side	10mm	Ant 5	DSI5	376500	1882.5	16.24	16.70	1.112			0.06	0.001	0.001	
	FR1 n25	40M	BPSK	1	1	Bottom Side	10mm	Ant 5	DSI5	376500	1882.5	16.25	16.70	1.109			0.11	0.001	0.001	
	FR1 n25	40M	BPSK	108	54	Bottom Side	10mm	Ant 5	DSI5	376500	1882.5	16.24	16.70	1.112			-0.14	0.001	0.001	
	FR1 n25	40M	BPSK	1	1	Front	10mm	Ant 6	DSI 5	376500	1882.5	19.73	20.20	1.114			-0.04	0.277	0.309	
	FR1 n25	40M	BPSK	108	54	Front	10mm	Ant 6	DSI 5	376500	1882.5	19.71	20.20	1.119			0.09	0.280	0.313	
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 6	DSI 5	376500	1882.5	19.73	20.20	1.114			-0.13	0.334	0.372	
	FR1 n25	40M	BPSK	108	54	Back	10mm	Ant 6	DSI 5	376500	1882.5	19.71	20.20	1.119			-0.12	0.328	0.367	
	FR1 n25	40M	BPSK	1	1	Left Side	10mm	Ant 6	DSI 5	376500	1882.5	19.73	20.20	1.114			0.19	0.168	0.187	
	FR1 n25	40M	BPSK	108	54	Left Side	10mm	Ant 6	DSI 5	376500	1882.5	19.71	20.20	1.119			-0.18	0.161	0.180	
	FR1 n25	40M	BPSK	1	1	Right Side	10mm	Ant 6	DSI 5	376500	1882.5	19.73	20.20	1.114			-0.04	0.057	0.063	
	FR1 n25	40M	BPSK	108	54	Right Side	10mm	Ant 6	DSI 5	376500	1882.5	19.71	20.20	1.119			0.12	0.056	0.062	
	FR1 n25	40M	BPSK	1	1	Top Side	10mm	Ant 6	DSI 5	376500	1882.5	19.73	20.20	1.114			0.07	0.001	0.001	
	FR1 n25	40M	BPSK	108	54	Top Side	10mm	Ant 6	DSI 5	376500	1882.5	19.71	20.20	1.119			-0.05	0.001	0.001	
	FR1 n25	40M	BPSK	1	1	Bottom Side	10mm	Ant 6	DSI 5	376500	1882.5	19.73	20.20	1.114			0.14	0.448	0.499	
	FR1 n25	40M	BPSK	108	54	Bottom Side	10mm	Ant 6	DSI 5	376500	1882.5	19.71	20.20	1.119			0.04	0.456	0.510	
	FR1 n25	40M	BPSK	1	1	Front	10mm	Ant 7	DSI 5	376500	1882.5	18.95	20.20	1.334			-0.11	0.240	0.320	
	FR1 n25	40M	BPSK	108	54	Front	10mm	Ant 7	DSI 5	376500	1882.5	18.93	20.20	1.34			0.14	0.239	0.320	
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 7	DSI 5	376500	1882.5	18.95	20.20	1.334			-0.06	0.290	0.386	
	FR1 n25	40M	BPSK	108	54	Back	10mm	Ant 7	DSI 5	376500	1882.5	18.93	20.20	1.34			0.07	0.315	0.422	
	FR1 n25	40M	BPSK	1	1	Left Side	10mm	Ant 7	DSI 5	376500	1882.5	18.95	20.20	1.334			-0.02	0.001	0.001	
	FR1 n25	40M	BPSK	108	54	Left Side	10mm	Ant 7	DSI 5	376500	1882.5	18.93	20.20	1.34			0.15	0.001	0.001	
	FR1 n25	40M	BPSK	1	1	Right Side	10mm	Ant 7	DSI 5	376500	1882.5	18.95	20.20	1.334			0.12	0.461	0.615	
50	FR1 n25	40M	BPSK	108	54	Right Side	10mm	Ant 7	DSI 5	376500	1882.5	18.93	20.20	1.34			-0.02	0.474	0.635	
	FR1 n25	40M	BPSK	1	1	Top Side	10mm	Ant 7	DSI 5	376500	1882.5	18.95	20.20	1.334			0.08	0.058	0.077	
	FR1 n25	40M	BPSK	108	54	Top Side	10mm	Ant 7	DSI 5	376500	1882.5	18.93	20.20	1.34			0.01	0.061	0.082	
	FR1 n25	40M	BPSK	1	1	Bottom Side	10mm	Ant 7	DSI 5	376500	1882.5	18.95	20.20	1.334			0.13	0.001	0.001	
	FR1 n25	40M	BPSK	108	54	Bottom Side	10mm	Ant 7	DSI 5	376500	1882.5	18.93	20.20	1.34			-0.02	0.001	0.001	
	FR1 n26	20M	BPSK	1	1	Front	10mm	Ant 0	DSI5	166300	831.5	24.17	24.70	1.13			-0.02	0.244	0.275	
	FR1 n26	20M	BPSK	50	28	Front	10mm	Ant 0	DSI5	166300	831.5	24.16	24.70	1.132			-0.03	0.243	0.275	
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 0	DSI5	166300	831.5	24.17	24.70	1.13			-0.06	0.311	0.351	
	FR1 n26	20M	BPSK	50	28	Back	10mm	Ant 0	DSI5	166300	831.5	24.16	24.70	1.132			0.12	0.315	0.357	
	FR1 n26	20M	BPSK	1	1	Left Side	10mm	Ant 0	DSI5	166300	831.5	24.17	24.70	1.13			-0.13	0.120	0.135	
	FR1 n26	20M	BPSK	50	28	Left Side	10mm	Ant 0	DSI5	166300	831.5	24.16	24.70	1.132			0.09	0.104	0.118	
	FR1 n26	20M	BPSK	1	1	Right Side	10mm	Ant 0	DSI5	166300	831.5	24.17	24.70	1.13			0.06	0.423	0.478	
	FR1 n26	20M	BPSK	50	28	Right Side	10mm	Ant 0	DSI5	166300	831.5	24.16	24.70	1.132			0.00	0.436	0.494	
	FR1 n26	20M	BPSK	1	1	Top Side	10mm	Ant 0	DSI5	166300	831.5	24.17	24.70	1.13			-0.11	0.001	0.001	
	FR1 n26	20M	BPSK	50	28	Top Side	10mm	Ant 0	DSI5	166300	831.5	24.16	24.70	1.132			-0.11	0.001	0.001	
	FR1 n26	20M	BPSK	1	1	Bottom Side	10mm	Ant 0	DSI5	166300	831.5	24.17	24.70	1.13			-0.13	0.197	0.223	
	FR1 n26	20M	BPSK	50	28	Bottom Side	10mm	Ant 0	DSI5	166300	831.5	24.16	24.70	1.132			-0.08	0.197	0.223	
	FR1 n26	20M	BPSK	1	1	Front	10mm	Ant 1	DSI5	166300	831.5	21.05	22.20	1.303			-0.03	0.378	0.492	
	FR1 n26	20M	BPSK	50	28	Front	10mm	Ant 1	DSI5	166300	831.5	21.03	22.20	1.309			-0.17	0.384	0.502	
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 1	DSI5	166300	831.5	21.05	22.20	1.303			-0.10	0.452	0.589	
	FR1 n26	20M	BPSK	50	28	Back	10mm	Ant 1	DSI5	166300	831.5	21.03	22.20	1.309			-0.16	0.467	0.611	
	FR1 n26	20M	BPSK	1	1	Left Side	10mm	Ant 1	DSI5	166300	831.5	21.05	22.20	1.303			-0.03	0.519	0.676	
51	FR1 n26	20M	BPSK	50	28	Left Side	10mm	Ant 1	DSI5	166300	831.5	21.03	22.20	1.309			-0.01	0.546	0.715	
	FR1 n26	20M	BPSK	1	1	Right Side	10mm	Ant 1	DSI5	166300	831.5	21.05	22.20	1.303			-0.17	0.001	0.002	
	FR1 n26	20M	BPSK	50	28	Right Side	10mm	Ant 1	DSI5	166300	831.5	21.03	22.20	1.309			-0.03	0.001	0.002	
	FR1 n26	20M	BPSK	1	1	Top Side	10mm	Ant 1	DSI5	166300	831.5	21.05	22.20	1.303			-0.16	0.001	0.002	
	FR1 n26	20M	BPSK	50	28	Top Side	10mm	Ant 1	DSI5	166300	831.5	21.03	22.20	1.309			-0.12	0.001	0.002	
	FR1 n26	20M	BPSK	1	1	Bottom Side	10mm	Ant 1	DSI5	166300	831.5	21.05	22.20	1.303			-0.05	0.001	0.002	
	FR1 n26	20M	BPSK	50	28	Bottom Side	10mm	Ant 1	DSI5	166300	831.5	21.03	22.20	1.309			0.05	0.001	0.002	
	FR1 n66	45M	BPSK	1	1	Front	10mm	Ant 4	DSI5	349000	1745	18.23	18.70	1.114			0.06	0.117	0.131	
	FR1 n66	45M	BPSK	120	60	Front	10mm	Ant 4	DSI5	349000	1745	18.21	18.70	1.119			0.05	0.129	0.144	
	FR1 n66	45M	BPSK	1	1	Back	10mm	Ant 4	DSI5	349000	1745	18.23	18.70	1.114			0.15	0.197	0.220	
	FR1 n66	45M	BPSK	120	60	Back	10mm	Ant 4	DSI5	349000	1745	18.21	18.70	1.119			0.17	0.215	0.240	
	FR1 n66	45M	BPSK	1	1	Left Side	10mm	Ant 4	DSI5	349000	1745	18.23	18.70	1.114			0.03	0.077	0.086	
	FR1 n66	45M	BPSK	120	60	Left Side	10mm	Ant 4	DSI5	349000	1745	18.21	18.70	1.119			-0.08	0.076	0.085	
	FR1 n66	45M	BPSK	1	1	Right Side	10mm	Ant 4	DSI5	349000	1745	18.23	18.70	1.114			-0.11	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Right Side	10mm	Ant 4	DSI5	349000	1745	18.21	18.70	1.119			0.16	0.001	0.001	
	FR1 n66	45M	BPSK	1	1	Top Side	10mm	Ant 4	DSI5	349000	1745	18.23	18.70	1.114			-0.11	0.330	0.368	
	FR1 n66	45M	BPSK	120	60	Top Side	10mm	Ant 4	DSI5	349000	1745	18.21	18.70	1.119			0.04	0.359	0.402	
	FR1 n66	45M	BPSK	1	1	Bottom Side	10mm	Ant 4	DSI5	349000	1745	18.23	18.70	1.114			0.15	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Bottom Side	10mm	Ant 4	DSI5	349000	1745	18.21	18.70	1.119			0.04	0.001	0.001	
	FR1 n66	45M	BPSK	1	1	Front	10mm	Ant 5	DSI5	349000	1745	16.18	16.70	1.127			0.13	0.094	0.106	
	FR1 n66	45M	BPSK	120	60	Front	10mm	Ant 5	DSI5	349000	1745	16.16	16.70	1.132			0.16	0.110	0.125	
	FR1 n66	45M	BPSK	1	1	Back	10mm	Ant 5	DSI5	349000	1745	16.18	16.70	1.127			0.03	0.144	0.162	
	FR1 n66	45M	BPSK	120	60	Back	10mm	Ant 5	DSI5	349000	1745	16.16	16.70	1.132			-0.00	0.167	0.189	
	FR1 n66	45M	BPSK	1	1	Left Side	10mm	Ant 5	DSI5	349000	1745	16.18	16.70	1.127			-0.06	0.204	0.230	
	FR1 n66	45M	BPSK	120	60	Left Side	10mm	Ant 5	DSI5	349000	1745	16.16	16.70	1.132			0.06	0.216	0.245	
	FR1 n66	45M	BPSK	1	1	Right Side	10mm	Ant 5	DSI5	349000	1745	16.18	16.70	1.127			0.17	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Right Side	10mm	Ant 5	DSI5	349000	1745	16.16	16.70	1.132			0.13	0.001	0.001	
	FR1 n66	45M	BPSK	1	1	Top Side	10mm	Ant 5	DSI5	349000	1745	16.18	16.70	1.127			-0.10	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Top Side														



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	FR1 n66	45M	BPSK	1	1	Bottom Side	10mm	Ant 5	DSI5	349000	1745	16.18	16.70	1.127			0.06	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Bottom Side	10mm	Ant 5	DSI5	349000	1745	16.16	16.70	1.132			-0.04	0.001	0.001	
	FR1 n66	45M	BPSK	1	1	Front	10mm	Ant 6	DSI 5	349000	1745	20.21	20.70	1.119			-0.03	0.196	0.219	
	FR1 n66	45M	BPSK	120	60	Front	10mm	Ant 6	DSI 5	349000	1745	20.20	20.70	1.122			0.15	0.223	0.250	
	FR1 n66	45M	BPSK	1	1	Back	10mm	Ant 6	DSI 5	349000	1745	20.21	20.70	1.119			0.08	0.223	0.250	
	FR1 n66	45M	BPSK	120	60	Back	10mm	Ant 6	DSI 5	349000	1745	20.20	20.70	1.122			0.12	0.268	0.301	
	FR1 n66	45M	BPSK	1	1	Left Side	10mm	Ant 6	DSI 5	349000	1745	20.21	20.70	1.119			0.01	0.085	0.096	
	FR1 n66	45M	BPSK	120	60	Left Side	10mm	Ant 6	DSI 5	349000	1745	20.20	20.70	1.122			-0.17	0.100	0.112	
	FR1 n66	45M	BPSK	1	1	Right Side	10mm	Ant 6	DSI 5	349000	1745	20.21	20.70	1.119			0.09	0.079	0.089	
	FR1 n66	45M	BPSK	120	60	Right Side	10mm	Ant 6	DSI 5	349000	1745	20.20	20.70	1.122			-0.04	0.066	0.074	
	FR1 n66	45M	BPSK	1	1	Top Side	10mm	Ant 6	DSI 5	349000	1745	20.21	20.70	1.119			0.11	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Top Side	10mm	Ant 6	DSI 5	349000	1745	20.20	20.70	1.122			-0.15	0.001	0.001	
	FR1 n66	45M	BPSK	1	1	Bottom Side	10mm	Ant 6	DSI 5	349000	1745	20.21	20.70	1.119			0.05	0.316	0.354	
	FR1 n66	45M	BPSK	120	60	Bottom Side	10mm	Ant 6	DSI 5	349000	1745	20.20	20.70	1.122			0.02	0.367	0.412	
	FR1 n66	45M	BPSK	1	1	Front	10mm	Ant 7	DSI 5	349000	1745	18.49	19.70	1.321			-0.11	0.190	0.251	
	FR1 n66	45M	BPSK	120	60	Front	10mm	Ant 7	DSI 5	349000	1745	18.47	19.70	1.327			-0.16	0.207	0.275	
	FR1 n66	45M	BPSK	1	1	Back	10mm	Ant 7	DSI 5	349000	1745	18.49	19.70	1.321			-0.05	0.240	0.317	
	FR1 n66	45M	BPSK	120	60	Back	10mm	Ant 7	DSI 5	349000	1745	18.47	19.70	1.327			0.09	0.262	0.348	
	FR1 n66	45M	BPSK	1	1	Left Side	10mm	Ant 7	DSI 5	349000	1745	18.49	19.70	1.321			0.05	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Left Side	10mm	Ant 7	DSI 5	349000	1745	18.47	19.70	1.327			0.02	0.001	0.001	
	FR1 n66	45M	BPSK	1	1	Right Side	10mm	Ant 7	DSI 5	349000	1745	18.49	19.70	1.321			-0.15	0.331	0.437	
52	FR1 n66	45M	BPSK	120	60	Right Side	10mm	Ant 7	DSI 5	349000	1745	18.47	19.70	1.327			0.01	0.354	0.470	
	FR1 n66	45M	BPSK	1	1	Top Side	10mm	Ant 7	DSI 5	349000	1745	18.49	19.70	1.321			0.17	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Top Side	10mm	Ant 7	DSI 5	349000	1745	18.47	19.70	1.327			0.10	0.001	0.001	
	FR1 n66	45M	BPSK	1	1	Bottom Side	10mm	Ant 7	DSI 5	349000	1745	18.49	19.70	1.321			0.04	0.001	0.001	
	FR1 n66	45M	BPSK	120	60	Bottom Side	10mm	Ant 7	DSI 5	349000	1745	18.47	19.70	1.327			0.17	0.001	0.001	
	FR1 n71	35M	BPSK	1	1	Front	10mm	Ant 0	DSI5	136100	680.5	23.16	23.70	1.132			0.01	0.071	0.080	
	FR1 n71	35M	BPSK	90	45	Front	10mm	Ant 0	DSI5	136100	680.5	23.15	23.70	1.135			-0.04	0.100	0.114	
	FR1 n71	35M	BPSK	1	1	Back	10mm	Ant 0	DSI5	136100	680.5	23.16	23.70	1.132			-0.03	0.078	0.088	
	FR1 n71	35M	BPSK	90	45	Back	10mm	Ant 0	DSI5	136100	680.5	23.15	23.70	1.135			0.14	0.114	0.129	
	FR1 n71	35M	BPSK	1	1	Left Side	10mm	Ant 0	DSI5	136100	680.5	23.16	23.70	1.132			-0.13	0.001	0.001	
	FR1 n71	35M	BPSK	90	45	Left Side	10mm	Ant 0	DSI5	136100	680.5	23.15	23.70	1.135			0.19	0.065	0.074	
	FR1 n71	35M	BPSK	1	1	Right Side	10mm	Ant 0	DSI5	136100	680.5	23.16	23.70	1.132			-0.05	0.149	0.169	
	FR1 n71	35M	BPSK	90	45	Right Side	10mm	Ant 0	DSI5	136100	680.5	23.15	23.70	1.135			0.06	0.191	0.217	
	FR1 n71	35M	BPSK	1	1	Top Side	10mm	Ant 0	DSI5	136100	680.5	23.16	23.70	1.132			0.18	0.001	0.001	
	FR1 n71	35M	BPSK	90	45	Top Side	10mm	Ant 0	DSI5	136100	680.5	23.15	23.70	1.135			0.13	0.001	0.001	
	FR1 n71	35M	BPSK	1	1	Bottom Side	10mm	Ant 0	DSI5	136100	680.5	23.16	23.70	1.132			0.12	0.001	0.001	
	FR1 n71	35M	BPSK	90	45	Bottom Side	10mm	Ant 0	DSI5	136100	680.5	23.15	23.70	1.135			0.13	0.044	0.050	
	FR1 n71	35M	BPSK	1	1	Front	10mm	Ant 1	DSI5	136100	680.5	21.81	22.60	1.199			-0.07	0.409	0.490	
	FR1 n71	35M	BPSK	90	45	Front	10mm	Ant 1	DSI5	136100	680.5	21.79	22.60	1.205			0.08	0.300	0.361	
	FR1 n71	35M	BPSK	1	1	Back	10mm	Ant 1	DSI5	136100	680.5	21.81	22.60	1.199			0.11	0.544	0.652	
	FR1 n71	35M	BPSK	90	45	Back	10mm	Ant 1	DSI5	136100	680.5	21.79	22.60	1.205			0.05	0.380	0.458	
53	FR1 n71	35M	BPSK	1	1	Left Side	10mm	Ant 1	DSI5	136100	680.5	21.81	22.60	1.199			-0.04	0.579	0.694	
	FR1 n71	35M	BPSK	90	45	Left Side	10mm	Ant 1	DSI5	136100	680.5	21.79	22.60	1.205			-0.03	0.412	0.497	
	FR1 n71	35M	BPSK	1	1	Right Side	10mm	Ant 1	DSI5	136100	680.5	21.81	22.60	1.199			-0.12	0.052	0.062	
	FR1 n71	35M	BPSK	90	45	Right Side	10mm	Ant 1	DSI5	136100	680.5	21.79	22.60	1.205			-0.01	0.001	0.001	
	FR1 n71	35M	BPSK	1	1	Top Side	10mm	Ant 1	DSI5	136100	680.5	21.81	22.60	1.199			0.01	0.001	0.001	
	FR1 n71	35M	BPSK	90	45	Top Side	10mm	Ant 1	DSI5	136100	680.5	21.79	22.60	1.205			-0.19	0.001	0.001	
	FR1 n71	35M	BPSK	1	1	Bottom Side	10mm	Ant 1	DSI5	136100	680.5	21.81	22.60	1.199			0.01	0.001	0.001	
	FR1 n71	35M	BPSK	90	45	Bottom Side	10mm	Ant 1	DSI5	136100	680.5	21.79	22.60	1.205			0.14	0.001	0.001	
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 4	DSI5	518598	2592.99	16.24	16.70	1.112			-0.19	0.096	0.107	
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 4	DSI5	518598	2592.99	16.23	16.70	1.114			0.14	0.106	0.118	
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI5	518598	2592.99	16.24	16.70	1.112			0.13	0.147	0.163	
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 4	DSI5	518598	2592.99	16.23	16.70	1.114			0.14	0.159	0.177	
	FR1 n41	100M	BPSK	1	1	Left Side	10mm	Ant 4	DSI5	518598	2592.99	16.24	16.70	1.112			-0.02	0.062	0.069	
	FR1 n41	100M	BPSK	135	69	Left Side	10mm	Ant 4	DSI5	518598	2592.99	16.23	16.70	1.114			-0.04	0.064	0.072	
	FR1 n41	100M	BPSK	1	1	Right Side	10mm	Ant 4	DSI5	518598	2592.99	16.24	16.70	1.112			-0.04	0.001	0.001	
	FR1 n41	100M	BPSK	135	69	Right Side	10mm	Ant 4	DSI5	518598	2592.99	16.23	16.70	1.114			0.10	0.001	0.001	
	FR1 n41	100M	BPSK	1	1	Top Side	10mm	Ant 4	DSI5	518598	2592.99	16.24	16.70	1.112			-0.12	0.217	0.241	
	FR1 n41	100M	BPSK	135	69	Top Side	10mm	Ant 4	DSI5	518598	2592.99	16.23	16.70	1.114			0.11	0.218	0.243	
	FR1 n41	100M	BPSK	1	1	Bottom Side	10mm	Ant 4	DSI5	518598	2592.99	16.24	16.70	1.112			-0.06	0.001	0.001	
	FR1 n41	100M	BPSK	135	69	Bottom Side	10mm	Ant 4	DSI5	518598	2592.99	16.23	16.70	1.114			0.11	0.001	0.001	
	FR1 n41_HPUE	100M	BPSK	135	69	Top Side	10mm	Ant 4	DSI 5	518598	2592.99	19.09	20.50	1.384	50.0	1.0	-0.18	0.156	0.216	Other PA
	FR1 n41_HPUE	100M	BPSK	135	69	Top Side	10mm	Ant 4	DSI5	518598	2592.99	19.17	20.50	1.358	50.0	1.0	-0.17	0.212	0.288	
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 5	DSI5	518598	2592.99	17.29	17.70	1.099			0.07	0.131	0.144	
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 5	DSI5	518598	2592.99	17.26	17.70	1.107			0.16	0.149	0.165	
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 5	DSI5	518598	2592.99	17.29	17.70	1.099			0.03	0.182	0.199	
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 5	DSI5	518598	2592.99	17.26	17.70	1.107			-0.01	0.209	0.231	
	FR1 n41	100M	BPSK	1	1	Left Side	10mm	Ant 5	DSI5	518598	2592.99	17.29	17.70	1.099			-0.04	0.320	0.352	
	FR1 n41	100M	BPSK	135	69	Left Side	10mm	Ant 5	DSI5	518598	2592.99	17.26	17.70	1.107			-0.18	0.379	0.420	
	FR1 n41	100M	BPSK	1	1	Right Side	10mm	Ant 5	DSI5	518598	2592.99	17.29	17.70	1.099			-0.09	0.001	0.001	
	FR1 n41	100M	BPSK	135	69	Right Side	10mm	Ant 5	DSI5	518598	2592.99	17.26	17.70	1.107			0.03			



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	FR1 n41	100M	BPSK	135	69	Top Side	10mm	Ant 5	DSI5	518598	2592.99	17.26	17.70	1.107			0.02	0.054	0.060	
	FR1 n41	100M	BPSK	1	1	Bottom Side	10mm	Ant 5	DSI5	518598	2592.99	17.29	17.70	1.099			-0.15	0.001	0.001	
	FR1 n41	100M	BPSK	135	69	Bottom Side	10mm	Ant 5	DSI5	518598	2592.99	17.26	17.70	1.107			0.18	0.001	0.001	
	FR1 n41_HPUE	100M	BPSK	135	69	Left Side	10mm	Ant 5	DSI 5	518598	2592.99	18.83	20.40	1.435	50.0	1.0	-0.14	0.279	0.400	Other PA
	FR1 n41_HPUE	100M	BPSK	135	69	Left Side	10mm	Ant 5	DSI5	518598	2592.99	20.24	21.50	1.337	50.0	1.0	-0.02	0.347	0.464	
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 6	DSI 5	518598	2592.99	22.72	23.50	1.197			0.01	0.264	0.316	
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 6	DSI 5	518598	2592.99	22.69	23.50	1.205			0.04	0.245	0.295	
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 6	DSI 5	518598	2592.99	22.72	23.50	1.197			-0.16	0.318	0.381	
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 6	DSI 5	518598	2592.99	22.69	23.50	1.205			-0.19	0.309	0.372	
	FR1 n41	100M	BPSK	1	1	Left Side	10mm	Ant 6	DSI 5	518598	2592.99	22.72	23.50	1.197			0.01	0.071	0.085	
	FR1 n41	100M	BPSK	135	69	Left Side	10mm	Ant 6	DSI 5	518598	2592.99	22.69	23.50	1.205			0.15	0.064	0.077	
	FR1 n41	100M	BPSK	1	1	Right Side	10mm	Ant 6	DSI 5	518598	2592.99	22.72	23.50	1.197			0.06	0.059	0.070	
	FR1 n41	100M	BPSK	135	69	Right Side	10mm	Ant 6	DSI 5	518598	2592.99	22.69	23.50	1.205			-0.15	0.058	0.070	
	FR1 n41	100M	BPSK	1	1	Top Side	10mm	Ant 6	DSI 5	518598	2592.99	22.72	23.50	1.197			-0.09	0.001	0.001	
	FR1 n41	100M	BPSK	135	69	Top Side	10mm	Ant 6	DSI 5	518598	2592.99	22.69	23.50	1.205			0.06	0.001	0.001	
	FR1 n41	100M	BPSK	1	1	Bottom Side	10mm	Ant 6	DSI 5	518598	2592.99	22.72	23.50	1.197			0.03	0.437	0.523	
	FR1 n41	100M	BPSK	135	69	Bottom Side	10mm	Ant 6	DSI 5	518598	2592.99	22.69	23.50	1.205			0.06	0.382	0.460	
	FR1 n41_HPUE	100M	BPSK	1	1	Bottom Side	10mm	Ant 6	DSI 5	518598	2592.99	25.65	27.00	1.365	50.0	1.0	-0.09	0.404	0.551	
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 7	DSI 5	518598	2592.99	19.72	21.10	1.374			-0.04	0.185	0.254	
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 7	DSI 5	518598	2592.99	19.68	21.10	1.387			-0.08	0.167	0.232	
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 7	DSI 5	518598	2592.99	19.72	21.10	1.374			0.03	0.330	0.453	
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 7	DSI 5	518598	2592.99	19.68	21.10	1.387			-0.07	0.331	0.459	
	FR1 n41	100M	BPSK	1	1	Left Side	10mm	Ant 7	DSI 5	518598	2592.99	19.72	21.10	1.374			0.15	0.001	0.001	
	FR1 n41	100M	BPSK	135	69	Left Side	10mm	Ant 7	DSI 5	518598	2592.99	19.68	21.10	1.387			0.02	0.001	0.001	
54	FR1 n41	100M	BPSK	1	1	Right Side	10mm	Ant 7	DSI 5	518598	2592.99	19.72	21.10	1.374			-0.01	0.528	0.725	
	FR1 n41	100M	BPSK	135	69	Right Side	10mm	Ant 7	DSI 5	518598	2592.99	19.68	21.10	1.387			-0.04	0.454	0.630	
	FR1 n41	100M	BPSK	1	1	Top Side	10mm	Ant 7	DSI 5	518598	2592.99	19.72	21.10	1.374			0.15	0.099	0.136	
	FR1 n41	100M	BPSK	135	69	Top Side	10mm	Ant 7	DSI 5	518598	2592.99	19.68	21.10	1.387			0.13	0.076	0.105	
	FR1 n41	100M	BPSK	1	1	Bottom Side	10mm	Ant 7	DSI 5	518598	2592.99	19.72	21.10	1.374			-0.04	0.023	0.031	
	FR1 n41	100M	BPSK	135	69	Bottom Side	10mm	Ant 7	DSI 5	518598	2592.99	19.68	21.10	1.387			0.10	0.020	0.028	
	FR1 n41_HPUE	100M	BPSK	1	1	Right Side	10mm	Ant 7	DSI 5	518598	2592.99	22.73	24.10	1.371	50.0	1.0	0.09	0.497	0.681	
	FR1 n48	40M	BPSK	1	1	Front	10mm	Ant 4	DSI5	641666	3624.99	14.64	16.00	1.368			0.01	0.125	0.170	
	FR1 n48	40M	BPSK	50	28	Front	10mm	Ant 4	DSI5	641666	3624.99	14.63	16.00	1.371			-0.16	0.125	0.171	
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 4	DSI5	641666	3624.99	14.64	16.00	1.368			-0.06	0.122	0.167	
	FR1 n48	40M	BPSK	50	28	Back	10mm	Ant 4	DSI5	641666	3624.99	14.63	16.00	1.371			-0.06	0.121	0.166	
	FR1 n48	40M	BPSK	1	1	Left Side	10mm	Ant 4	DSI5	641666	3624.99	14.64	16.00	1.368			-0.19	0.041	0.056	
	FR1 n48	40M	BPSK	50	28	Left Side	10mm	Ant 4	DSI5	641666	3624.99	14.63	16.00	1.371			0.01	0.042	0.057	
	FR1 n48	40M	BPSK	1	1	Right Side	10mm	Ant 4	DSI5	641666	3624.99	14.64	16.00	1.368			0.18	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Right Side	10mm	Ant 4	DSI5	641666	3624.99	14.63	16.00	1.371			0.08	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Top Side	10mm	Ant 4	DSI5	641666	3624.99	14.64	16.00	1.368			-0.09	0.171	0.234	
	FR1 n48	40M	BPSK	50	28	Top Side	10mm	Ant 4	DSI5	641666	3624.99	14.63	16.00	1.371			0.03	0.173	0.237	
	FR1 n48	40M	BPSK	1	1	Bottom Side	10mm	Ant 4	DSI5	641666	3624.99	14.64	16.00	1.368			0.17	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Bottom Side	10mm	Ant 4	DSI5	641666	3624.99	14.63	16.00	1.371			-0.11	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Front	10mm	Ant 5	DSI5	641666	3624.99	16.97	18.40	1.39			-0.17	0.117	0.162	
	FR1 n48	40M	BPSK	50	28	Front	10mm	Ant 5	DSI5	641666	3624.99	16.95	18.40	1.396			0.15	0.109	0.152	
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 5	DSI5	641666	3624.99	16.97	18.40	1.39			-0.02	0.170	0.236	
	FR1 n48	40M	BPSK	50	28	Back	10mm	Ant 5	DSI5	641666	3624.99	16.95	18.40	1.396			0.09	0.181	0.253	
	FR1 n48	40M	BPSK	1	1	Left Side	10mm	Ant 5	DSI5	641666	3624.99	16.97	18.40	1.39			-0.09	0.379	0.527	
55	FR1 n48	40M	BPSK	50	28	Left Side	10mm	Ant 5	DSI5	641666	3624.99	16.95	18.40	1.396			-0.17	0.391	0.546	
	FR1 n48	40M	BPSK	1	1	Right Side	10mm	Ant 5	DSI5	641666	3624.99	16.97	18.40	1.39			0.12	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Right Side	10mm	Ant 5	DSI5	641666	3624.99	16.95	18.40	1.396			-0.02	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Top Side	10mm	Ant 5	DSI5	641666	3624.99	16.97	18.40	1.39			-0.08	0.058	0.081	
	FR1 n48	40M	BPSK	50	28	Top Side	10mm	Ant 5	DSI5	641666	3624.99	16.95	18.40	1.396			-0.17	0.054	0.075	
	FR1 n48	40M	BPSK	1	1	Bottom Side	10mm	Ant 5	DSI5	641666	3624.99	16.97	18.40	1.39			-0.03	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Bottom Side	10mm	Ant 5	DSI5	641666	3624.99	16.95	18.40	1.396			0.03	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Front	10mm	Ant 10	DSI 5	641666	3624.99	17.11	18.50	1.377			0.12	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Front	10mm	Ant 10	DSI 5	641666	3624.99	17.08	18.50	1.387			0.08	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 10	DSI 5	641666	3624.99	17.11	18.50	1.377			0.02	0.144	0.198	
	FR1 n48	40M	BPSK	50	28	Back	10mm	Ant 10	DSI 5	641666	3624.99	17.08	18.50	1.387			0.02	0.147	0.204	
	FR1 n48	40M	BPSK	1	1	Left Side	10mm	Ant 10	DSI 5	641666	3624.99	17.11	18.50	1.377			-0.08	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Left Side	10mm	Ant 10	DSI 5	641666	3624.99	17.08	18.50	1.387			-0.13	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Right Side	10mm	Ant 10	DSI 5	641666	3624.99	17.11	18.50	1.377			0.11	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Right Side	10mm	Ant 10	DSI 5	641666	3624.99	17.08	18.50	1.387			-0.18	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Top Side	10mm	Ant 10	DSI 5	641666	3624.99	17.11	18.50	1.377			-0.07	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Top Side	10mm	Ant 10	DSI 5	641666	3624.99	17.08	18.50	1.387			-0.05	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Bottom Side	10mm	Ant 10	DSI 5	641666	3624.99	17.11	18.50	1.377			0.09	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Bottom Side	10mm	Ant 10	DSI 5	641666	3624.99	17.08	18.50	1.387			0.14	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Front	10mm	Ant 19	DSI 5	641666	3624.99	17.28	18.70	1.387			0.00	0.049	0.068	
	FR1 n48	40M	BPSK	50	28	Front	10mm	Ant 19	DSI 5	641666	3624.99	17.25	18.70	1.396			0.13	0.044	0.061	
	FR1 n48	40M	BPSK	1	1	Back	10mm	Ant 19	DSI 5	641666	3624.99	17.28	18.70	1.387			-0.10	0.243	0.338	
	FR1 n48	40M	BPSK	50	28	Back	10mm	Ant 19	DSI 5	641666	3624.99	17.25	18.70	1.396			0.01			



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	FR1 n48	40M	BPSK	1	1	Right Side	10mm	Ant 19	DSI 5	641666	3624.99	17.28	18.70	1.387			-0.13	0.050	0.069	
	FR1 n48	40M	BPSK	50	28	Right Side	10mm	Ant 19	DSI 5	641666	3624.99	17.25	18.70	1.396			-0.05	0.049	0.069	
	FR1 n48	40M	BPSK	1	1	Top Side	10mm	Ant 19	DSI 5	641666	3624.99	17.28	18.70	1.387			0.03	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Top Side	10mm	Ant 19	DSI 5	641666	3624.99	17.25	18.70	1.396			0.15	0.001	0.001	
	FR1 n48	40M	BPSK	1	1	Bottom Side	10mm	Ant 19	DSI 5	641666	3624.99	17.28	18.70	1.387			-0.09	0.001	0.001	
	FR1 n48	40M	BPSK	50	28	Bottom Side	10mm	Ant 19	DSI 5	641666	3624.99	17.25	18.70	1.396			-0.14	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 4	DSI5	633332	3499.98	13.75	14.20	1.109			-0.09	0.119	0.132	
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 4	DSI5	633332	3499.98	13.73	14.20	1.114			-0.06	0.106	0.118	
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI5	633332	3499.98	13.75	14.20	1.109			0.06	0.122	0.135	
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 4	DSI5	633332	3499.98	13.73	14.20	1.114			-0.03	0.111	0.124	
	FR1 n77	100M	BPSK	1	1	Left Side	10mm	Ant 4	DSI5	633332	3499.98	13.75	14.20	1.109			-0.15	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Left Side	10mm	Ant 4	DSI5	633332	3499.98	13.73	14.20	1.114			-0.18	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Right Side	10mm	Ant 4	DSI5	633332	3499.98	13.75	14.20	1.109			-0.05	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Right Side	10mm	Ant 4	DSI5	633332	3499.98	13.73	14.20	1.114			0.12	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Top Side	10mm	Ant 4	DSI5	633332	3499.98	13.75	14.20	1.109			0.03	0.118	0.130	
	FR1 n77	100M	BPSK	135	69	Top Side	10mm	Ant 4	DSI5	633332	3499.98	13.73	14.20	1.114			-0.10	0.135	0.150	
	FR1 n77	100M	BPSK	1	1	Bottom Side	10mm	Ant 4	DSI5	633332	3499.98	13.75	14.20	1.109			-0.05	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Bottom Side	10mm	Ant 4	DSI5	633332	3499.98	13.73	14.20	1.114			0.06	0.001	0.001	
	FR1 n77_HPUE	100M	BPSK	135	69	Top Side	10mm	Ant 4	DSI 5	633332	3499.98	16.47	18.00	1.422	50.0	1.0	0.02	0.113	0.161	Other PA
	FR1 n77_HPUE	100M	BPSK	135	69	Top Side	10mm	Ant 4	DSI5	633332	3499.98	16.64	18.00	1.368	50.0	1.0	-0.01	0.126	0.172	
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 5	DSI5	633332	3499.98	17.30	17.70	1.096			-0.15	0.136	0.149	
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 5	DSI5	633332	3499.98	17.28	17.70	1.102			0.15	0.144	0.158	
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 5	DSI5	633332	3499.98	17.30	17.70	1.096			0.08	0.194	0.213	
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 5	DSI5	633332	3499.98	17.28	17.70	1.102			-0.18	0.194	0.214	
	FR1 n77	100M	BPSK	1	1	Left Side	10mm	Ant 5	DSI5	633332	3499.98	17.30	17.70	1.096			-0.11	0.328	0.359	
	FR1 n77	100M	BPSK	135	69	Left Side	10mm	Ant 5	DSI5	633332	3499.98	17.28	17.70	1.102			-0.06	0.342	0.377	
	FR1 n77	100M	BPSK	1	1	Right Side	10mm	Ant 5	DSI5	633332	3499.98	17.30	17.70	1.096			-0.09	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Right Side	10mm	Ant 5	DSI5	633332	3499.98	17.28	17.70	1.102			0.15	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Top Side	10mm	Ant 5	DSI5	633332	3499.98	17.30	17.70	1.096			0.07	0.048	0.053	
	FR1 n77	100M	BPSK	135	69	Top Side	10mm	Ant 5	DSI5	633332	3499.98	17.28	17.70	1.102			-0.07	0.055	0.060	
	FR1 n77	100M	BPSK	1	1	Bottom Side	10mm	Ant 5	DSI5	633332	3499.98	17.30	17.70	1.096			-0.03	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Bottom Side	10mm	Ant 5	DSI5	633332	3499.98	17.28	17.70	1.102			-0.13	0.001	0.001	
56	FR1 n77_HPUE	100M	BPSK	135	69	Left Side	10mm	Ant 5	DSI5	633332	3499.98	20.16	21.50	1.361	50.0	1.0	0.10	0.361	0.491	
	FR1 n77_HPUE	100M	BPSK	135	69	Left Side	10mm	Ant 5	DSI 5	633332	3499.98	19.99	21.50	1.416	50.0	1.0	-0.13	0.341	0.483	Other PA
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 10	DSI 5	633332	3499.98	16.72	17.20	1.117			-0.15	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 10	DSI 5	633332	3499.98	16.69	17.20	1.125			0.11	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 10	DSI 5	633332	3499.98	16.72	17.20	1.117			-0.16	0.153	0.170	
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 10	DSI 5	633332	3499.98	16.69	17.20	1.125			-0.15	0.169	0.190	
	FR1 n77	100M	BPSK	1	1	Left Side	10mm	Ant 10	DSI 5	633332	3499.98	16.72	17.20	1.117			-0.06	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Left Side	10mm	Ant 10	DSI 5	633332	3499.98	16.69	17.20	1.125			-0.16	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Right Side	10mm	Ant 10	DSI 5	633332	3499.98	16.72	17.20	1.117			0.06	0.026	0.029	
	FR1 n77	100M	BPSK	135	69	Right Side	10mm	Ant 10	DSI 5	633332	3499.98	16.69	17.20	1.125			-0.15	0.013	0.015	
	FR1 n77	100M	BPSK	1	1	Top Side	10mm	Ant 10	DSI 5	633332	3499.98	16.72	17.20	1.117			-0.01	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Top Side	10mm	Ant 10	DSI 5	633332	3499.98	16.69	17.20	1.125			0.16	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Bottom Side	10mm	Ant 10	DSI 5	633332	3499.98	16.72	17.20	1.117			-0.18	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Bottom Side	10mm	Ant 10	DSI 5	633332	3499.98	16.69	17.20	1.125			-0.14	0.001	0.001	
	FR1 n77_HPUE	100M	BPSK	135	69	Back	10mm	Ant 10	DSI 5	633332	3499.98	19.62	21.00	1.374	50.0	1.0	0.06	0.171	0.235	
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 19	DSI 5	633332	3499.98	17.31	18.70	1.377			-0.15	0.127	0.175	
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 19	DSI 5	633332	3499.98	17.29	18.70	1.384			0.04	0.113	0.157	
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 19	DSI 5	633332	3499.98	17.31	18.70	1.377			0.02	0.277	0.381	
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 19	DSI 5	633332	3499.98	17.29	18.70	1.384			-0.15	0.261	0.362	
	FR1 n77	100M	BPSK	1	1	Left Side	10mm	Ant 19	DSI 5	633332	3499.98	17.31	18.70	1.377			0.06	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Left Side	10mm	Ant 19	DSI 5	633332	3499.98	17.29	18.70	1.384			-0.08	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Right Side	10mm	Ant 19	DSI 5	633332	3499.98	17.31	18.70	1.377			0.04	0.103	0.142	
	FR1 n77	100M	BPSK	135	69	Right Side	10mm	Ant 19	DSI 5	633332	3499.98	17.29	18.70	1.384			0.13	0.102	0.141	
	FR1 n77	100M	BPSK	1	1	Top Side	10mm	Ant 19	DSI 5	633332	3499.98	17.31	18.70	1.377			-0.02	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Top Side	10mm	Ant 19	DSI 5	633332	3499.98	17.29	18.70	1.384			-0.13	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Bottom Side	10mm	Ant 19	DSI 5	633332	3499.98	17.31	18.70	1.377			0.16	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Bottom Side	10mm	Ant 19	DSI 5	633332	3499.98	17.29	18.70	1.384			0.01	0.001	0.001	
	FR1 n77_HPUE	100M	BPSK	1	1	Back	10mm	Ant 19	DSI 5	633332	3499.98	20.30	21.70	1.38	50.0	1.0	0.11	0.257	0.355	
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 4	DSI5	656000	3840	13.75	14.20	1.109			-0.11	0.061	0.068	
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 4	DSI5	656000	3840	13.73	14.20	1.114			0.07	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 4	DSI5	656000	3840	13.75	14.20	1.109			-0.11	0.069	0.076	
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 4	DSI5	656000	3840	13.73	14.20	1.114			-0.12	0.059	0.065	
	FR1 n77	100M	BPSK	1	1	Left Side	10mm	Ant 4	DSI5	656000	3840	13.75	14.20	1.109			-0.02	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Left Side	10mm	Ant 4	DSI5	656000	3840	13.73	14.20	1.114			0.14	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Right Side	10mm	Ant 4	DSI5	656000	3840	13.75	14.20	1.109			-0.09	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Right Side	10mm	Ant 4	DSI5	656000	3840	13.73	14.20	1.114			-0.12	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Top Side	10mm	Ant 4	DSI5	656000	3840	13.75	14.20	1.109			-0.11	0.128	0.142	
	FR1 n77	100M	BPSK	135	69	Top Side	10mm	Ant 4	DSI5	656000	3840	13.73	14.20	1.114			-0.16	0.093	0.104	
	FR1 n77_HPUE	100M	BPSK	1	1	Top Side	10mm	Ant 4	DSI5	656										



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	FR1 n77	100M	BPSK	135	69	Bottom Side	10mm	Ant 4	DSI5	656000	3840	13.73	14.20	1.114			-0.12	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 5	DSI5	656000	3840	17.28	17.70	1.102			-0.15	0.119	0.131	
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 5	DSI5	656000	3840	17.26	17.70	1.107			0.03	0.105	0.116	
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 5	DSI5	656000	3840	17.28	17.70	1.102			-0.13	0.201	0.222	
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 5	DSI5	656000	3840	17.26	17.70	1.107			-0.10	0.156	0.173	
	FR1 n77	100M	BPSK	1	1	Left Side	10mm	Ant 5	DSI5	656000	3840	17.28	17.70	1.102			0.15	0.404	0.445	
	FR1 n77	100M	BPSK	135	69	Left Side	10mm	Ant 5	DSI5	656000	3840	17.26	17.70	1.107			-0.16	0.341	0.378	
	FR1 n77_HPUE	100M	BPSK	1	1	Left Side	10mm	Ant 5	DSI5	656000	3840	20.31	21.50	1.315	50.0	1.0	0.06	0.372	0.489	
	FR1 n77	100M	BPSK	1	1	Right Side	10mm	Ant 5	DSI5	656000	3840	17.28	17.70	1.102			-0.14	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Right Side	10mm	Ant 5	DSI5	656000	3840	17.26	17.70	1.107			-0.01	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Top Side	10mm	Ant 5	DSI5	656000	3840	17.28	17.70	1.102			-0.17	0.058	0.064	
	FR1 n77	100M	BPSK	135	69	Top Side	10mm	Ant 5	DSI5	656000	3840	17.26	17.70	1.107			-0.11	0.048	0.053	
	FR1 n77	100M	BPSK	1	1	Bottom Side	10mm	Ant 5	DSI5	656000	3840	17.28	17.70	1.102			-0.15	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Bottom Side	10mm	Ant 5	DSI5	656000	3840	17.26	17.70	1.107			0.18	0.029	0.032	
	FR1 n77_HPUE	100M	BPSK	1	1	Left Side	10mm	Ant 5	DSI5	656000	3840	20.06	21.50	1.393	50.0	1.0	0.12	0.349	0.486	Other PA
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 10	DSI 5	656000	3840	16.54	17.20	1.164			0.05	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 10	DSI 5	656000	3840	16.53	17.20	1.167			-0.05	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 10	DSI 5	656000	3840	16.54	17.20	1.164			-0.10	0.087	0.101	
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 10	DSI 5	656000	3840	16.53	17.20	1.167			0.19	0.096	0.112	
	FR1 n77	100M	BPSK	1	1	Left Side	10mm	Ant 10	DSI 5	656000	3840	16.54	17.20	1.164			-0.18	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Left Side	10mm	Ant 10	DSI 5	656000	3840	16.53	17.20	1.167			0.14	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Right Side	10mm	Ant 10	DSI 5	656000	3840	16.54	17.20	1.164			-0.04	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Right Side	10mm	Ant 10	DSI 5	656000	3840	16.53	17.20	1.167			0.03	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Top Side	10mm	Ant 10	DSI 5	656000	3840	16.54	17.20	1.164			-0.18	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Top Side	10mm	Ant 10	DSI 5	656000	3840	16.53	17.20	1.167			-0.15	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Bottom Side	10mm	Ant 10	DSI 5	656000	3840	16.54	17.20	1.164			-0.14	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Bottom Side	10mm	Ant 10	DSI 5	656000	3840	16.53	17.20	1.167			-0.14	0.001	0.001	
	FR1 n77_HPUE	100M	BPSK	135	69	Back	10mm	Ant 10	DSI 5	656000	3840	19.50	21.00	1.413	50.0	1.0	0.02	0.093	0.131	
	FR1 n77	100M	BPSK	1	1	Front	10mm	Ant 19	DSI 5	656000	3840	17.31	18.70	1.377			-0.02	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Front	10mm	Ant 19	DSI 5	656000	3840	17.30	18.70	1.38			-0.10	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Back	10mm	Ant 19	DSI 5	656000	3840	17.31	18.70	1.377			0.02	0.314	0.432	
	FR1 n77	100M	BPSK	135	69	Back	10mm	Ant 19	DSI 5	656000	3840	17.30	18.70	1.38			-0.15	0.262	0.362	
	FR1 n77	100M	BPSK	1	1	Left Side	10mm	Ant 19	DSI 5	656000	3840	17.31	18.70	1.377			-0.13	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Left Side	10mm	Ant 19	DSI 5	656000	3840	17.30	18.70	1.38			-0.12	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Right Side	10mm	Ant 19	DSI 5	656000	3840	17.31	18.70	1.377			-0.04	0.113	0.156	
	FR1 n77	100M	BPSK	135	69	Right Side	10mm	Ant 19	DSI 5	656000	3840	17.30	18.70	1.38			-0.14	0.116	0.160	
	FR1 n77	100M	BPSK	1	1	Top Side	10mm	Ant 19	DSI 5	656000	3840	17.31	18.70	1.377			0.12	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Top Side	10mm	Ant 19	DSI 5	656000	3840	17.30	18.70	1.38			0.01	0.001	0.001	
	FR1 n77	100M	BPSK	1	1	Bottom Side	10mm	Ant 19	DSI 5	656000	3840	17.31	18.70	1.377			-0.07	0.001	0.001	
	FR1 n77	100M	BPSK	135	69	Bottom Side	10mm	Ant 19	DSI 5	656000	3840	17.30	18.70	1.38			-0.01	0.001	0.001	
	FR1 n77_HPUE	100M	BPSK	1	1	Back	10mm	Ant 19	DSI 5	656000	3840	20.32	21.70	1.374	50.0	1.0	0.12	0.307	0.422	

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7	Hotspot Standalone	1	2412	19.85	20.50	1.161	97.45	1.026	-0.06	0.234	0.279	
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7	Hotspot Standalone	1	2412	19.85	20.50	1.161	97.45	1.026	0.19	0.324	0.386	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 7	Hotspot Standalone	1	2412	19.85	20.50	1.161	97.45	1.026	-0.19	0.001	0.001	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 7	Hotspot Standalone	1	2412	19.85	20.50	1.161	97.45	1.026	-0.02	0.521	0.621	
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 7	Hotspot Standalone	1	2412	19.85	20.50	1.161	97.45	1.026	0.01	0.070	0.084	
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	10mm	Ant 7	Hotspot Standalone	1	2412	19.85	20.50	1.161	97.45	1.026	-0.07	0.001	0.001	
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 14	Hotspot Standalone	1	2412	19.77	20.50	1.183	97.45	1.026	-0.15	0.241	0.292	
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 14	Hotspot Standalone	1	2412	19.77	20.50	1.183	97.45	1.026	0.13	0.350	0.425	
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 14	Hotspot Standalone	1	2412	19.77	20.50	1.183	97.45	1.026	-0.00	0.060	0.073	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 14	Hotspot Standalone	1	2412	19.77	20.50	1.183	97.45	1.026	-0.02	0.075	0.091	
57	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 14	Hotspot Standalone	1	2412	19.77	20.50	1.183	97.45	1.026	-0.03	0.536	0.651	
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	10mm	Ant 14	Hotspot Standalone	1	2412	19.77	20.50	1.183	97.45	1.026	-0.14	0.001	0.001	
	WLAN2.4GHz	802.11n-HT40 MCS0	Front	10mm	Ant 7+14	Hotspot Standalone	6	2437	22.27	23.00	1.184	100.0	1.0	-0.17	0.267	0.316	
	WLAN2.4GHz	802.11n-HT40 MCS0	Back	10mm	Ant 7+14	Hotspot Standalone	6	2437	22.27	23.00	1.184	100.0	1.0	0.17	0.442	0.523	
	WLAN2.4GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 7+14	Hotspot Standalone	6	2437	22.27	23.00	1.184	100.0	1.0	0.01	0.045	0.054	
	WLAN2.4GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 7+14	Hotspot Standalone	6	2437	22.27	23.00	1.184	100.0	1.0	-0.05	0.507	0.600	
	WLAN2.4GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 7+14	Hotspot Standalone	6	2437	22.27	23.00	1.184	100.0	1.0	0.06	0.433	0.513	
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	10mm	Ant 7+14	Hotspot Standalone	6	2437	22.27	23.00	1.184	100.0	1.0	0.07	0.001	0.001	
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 8+15(15)	Hotspot Standalone	46	5230	17.22	18.00	1.197	100.0	1.0	0.12	0.227	0.272	
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 8+15(15)	Hotspot Standalone	46	5230	17.22	18.00	1.197	100.0	1.0	-0.17	0.418	0.500	
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 8+15(15)	Hotspot Standalone	46	5230	17.22	18.00	1.197	100.0	1.0	-0.04	0.110	0.131	
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 8+15(15)	Hotspot Standalone	46	5230	17.22	18.00	1.197	100.0	1.0	-0.02	0.261	0.313	
58	WLAN5GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 8+15(15)	Hotspot Standalone	46	5230	17.22	18.00	1.197	100.0	1.0	0.05	0.592	0.709	
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Side	10mm	Ant 8+15(15)	Hotspot Standalone	46	5230	17.22	18.00	1.197	100.0	1.0	0.09	0.026	0.031	
	WLAN5GHz	802.11a 6Mbps	Front	10mm	Ant 8+15(8)	Hotspot Standalone	165	5825	19.60	20.50	1.23	98.97	1.01	-0.03	0.270	0.335	
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 8+15(8)	Hotspot Standalone	165	5825	19.60	20.50	1.23	98.97	1.01	0.19	0.510	0.633	



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	WLAN5GHz	802.11a 6Mbps	Left Side	10mm	Ant 8+15(8)	Hotspot Standalone	165	5825	19.60	20.50	1.23	98.97	1.01	0.06	0.132	0.164	
59	WLAN5GHz	802.11a 6Mbps	Right Side	10mm	Ant 8+15(8)	Hotspot Standalone	165	5825	19.60	20.50	1.23	98.97	1.01	0.15	0.540	0.671	
	WLAN5GHz	802.11a 6Mbps	Top Side	10mm	Ant 8+15(8)	Hotspot Standalone	165	5825	19.60	20.50	1.23	98.97	1.01	0.09	0.438	0.544	
	WLAN5GHz	802.11a 6Mbps	Bottom Side	10mm	Ant 8+15(8)	Hotspot Standalone	165	5825	19.60	20.50	1.23	98.97	1.01	-0.08	0.075	0.093	

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	Bluetooth	1Mbps	Front	10mm	Ant 7	Hotspot	0	2402	14.67	16.00	1.358	76.68	1.086	-0.06	0.061	0.091	
	Bluetooth	1Mbps	Back	10mm	Ant 7	Hotspot	0	2402	14.67	16.00	1.358	76.68	1.086	-0.08	0.074	0.110	
	Bluetooth	1Mbps	Left Side	10mm	Ant 7	Hotspot	0	2402	14.67	16.00	1.358	76.68	1.086	0.05	0.001	0.001	
	Bluetooth	1Mbps	Right Side	10mm	Ant 7	Hotspot	0	2402	14.67	16.00	1.358	76.68	1.086	0.03	0.122	0.180	
	Bluetooth	1Mbps	Top Side	10mm	Ant 7	Hotspot	0	2402	14.67	16.00	1.358	76.68	1.086	-0.08	0.001	0.001	
	Bluetooth	1Mbps	Bottom Side	10mm	Ant 7	Hotspot	0	2402	14.67	16.00	1.358	76.68	1.086	0.17	0.001	0.001	
	Bluetooth	1Mbps	Front	10mm	Ant 14	Hotspot	0	2402	15.92	17.50	1.439	76.68	1.086	0.14	0.088	0.138	
	Bluetooth	1Mbps	Back	10mm	Ant 14	Hotspot	0	2402	15.92	17.50	1.439	76.68	1.086	-0.12	0.003	0.005	
	Bluetooth	1Mbps	Left Side	10mm	Ant 14	Hotspot	0	2402	15.92	17.50	1.439	76.68	1.086	-0.12	0.003	0.005	
	Bluetooth	1Mbps	Right Side	10mm	Ant 14	Hotspot	0	2402	15.92	17.50	1.439	76.68	1.086	-0.10	0.125	0.196	
60	Bluetooth	1Mbps	Top Side	10mm	Ant 14	Hotspot	0	2402	15.92	17.50	1.439	76.68	1.086	0.05	0.149	0.233	
	Bluetooth	1Mbps	Bottom Side	10mm	Ant 14	Hotspot	0	2402	15.92	17.50	1.439	76.68	1.086	0.14	0.003	0.005	



16.3 Body Worn Accessory SAR

【GSM SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	GSM850	GPRS 4 Tx slots	Front	5mm	Ant 0	DSI3	189	836.4	27.41	28.00	1.146	0.08	0.306	0.351	
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 0	DSI3	189	836.4	27.41	28.00	1.146	0.18	0.370	0.424	
	GSM850	GPRS 4 Tx slots	Back 1	5mm	Ant 0	DSI3	189	836.4	27.41	28.00	1.146	0.01	0.388	0.445	
	GSM850	GPRS 4 Tx slots	Front	10mm	Ant 0	DSI4	189	836.4	27.41	28.00	1.146	0.10	0.172	0.197	
	GSM850	GPRS 4 Tx slots	Back	10mm	Ant 0	DSI4	189	836.4	27.41	28.00	1.146	0.16	0.233	0.267	
	GSM850	GPRS 4 Tx slots	Front	5mm	Ant 1	DSI4	189	836.4	25.18	26.50	1.355	0.17	0.556	0.754	
	GSM850	GPRS 4 Tx slots	Back	5mm	Ant 1	DSI4	189	836.4	25.18	26.50	1.355	0.16	0.412	0.558	
	GSM850	GPRS 4 Tx slots	Back 1	5mm	Ant 1	DSI4	189	836.4	25.18	26.50	1.355	0.07	0.682	0.924	
	GSM850	GPRS 4 Tx slots	Back 1	5mm	Ant 1	DSI4	128	824.2	25.09	26.50	1.384	-0.18	0.708	0.980	
61	GSM850	GPRS 4 Tx slots	Back 1	5mm	Ant 1	DSI4	251	848.8	25.15	26.50	1.365	-0.02	0.795	1.085	
	GSM1900	GPRS 4 Tx slots	Front	5mm	Ant 4	DSI3	661	1880	24.59	25.00	1.099	-0.07	0.522	0.574	
	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 4	DSI3	661	1880	24.59	25.00	1.099	-0.11	0.174	0.191	
	GSM1900	GPRS 4 Tx slots	Back 1	5mm	Ant 4	DSI3	661	1880	24.59	25.00	1.099	0.03	0.582	0.640	
	GSM1900	GPRS 4 Tx slots	Front	10mm	Ant 4	DSI4	661	1880	24.59	25.00	1.099	0.07	0.177	0.195	
	GSM1900	GPRS 4 Tx slots	Back	10mm	Ant 4	DSI4	661	1880	24.59	25.00	1.099	0.01	0.289	0.318	
	GSM1900	GPRS 4 Tx slots	Front	5mm	Ant 5	DSI4	661	1880	22.75	24.00	1.334	-0.05	0.567	0.756	
	GSM1900	GPRS 4 Tx slots	Back	5mm	Ant 5	DSI4	661	1880	22.75	24.00	1.334	0.06	0.161	0.215	
62	GSM1900	GPRS 4 Tx slots	Back 1	5mm	Ant 5	DSI4	661	1880	22.75	24.00	1.334	-0.04	0.711	0.948	
	GSM1900	GPRS 4 Tx slots	Back 1	5mm	Ant 5	DSI4	512	1850.2	22.68	24.00	1.355	0.08	0.584	0.791	
	GSM1900	GPRS 4 Tx slots	Back 1	5mm	Ant 5	DSI4	810	1909.8	22.69	24.00	1.352	-0.17	0.591	0.799	

【WCDMA SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 4	DSI3	9400	1880	20.80	21.50	1.175	-0.11	0.816	0.959	
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 4	DSI3	9262	1852.4	20.73	21.50	1.194	-0.18	0.671	0.802	
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 4	DSI3	9538	1907.6	20.77	21.50	1.183	0.14	0.688	0.814	
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 4	DSI3	9400	1880	20.80	21.50	1.175	0.09	0.284	0.333	
	WCDMA II	RMC 12.2Kbps	Back 1	5mm	Ant 4	DSI3	9400	1880	20.80	21.50	1.175	0.02	0.895	1.052	
	WCDMA II	RMC 12.2Kbps	Back 1	5mm	Ant 4	DSI3	9262	1852.4	20.73	21.50	1.194	0.04	0.866	1.033	
	WCDMA II	RMC 12.2Kbps	Back 1	5mm	Ant 4	DSI3	9538	1907.6	20.77	21.50	1.183	-0.18	0.868	1.027	
	WCDMA II	RMC 12.2Kbps	Front	10mm	Ant 4	DSI4	9400	1880	24.37	25.00	1.156	-0.14	0.600	0.693	
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 4	DSI4	9400	1880	24.37	25.00	1.156	-0.16	0.918	1.062	
63	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 4	DSI4	9262	1852.4	24.29	25.00	1.178	0.09	0.913	1.076	
	WCDMA II	RMC 12.2Kbps	Back	10mm	Ant 4	DSI4	9538	1907.6	24.34	25.00	1.164	0.18	0.882	1.027	
	WCDMA II	RMC 12.2Kbps	Front	5mm	Ant 5	DSI4	9400	1880	18.86	20.10	1.33	-0.19	0.530	0.705	
	WCDMA II	RMC 12.2Kbps	Back	5mm	Ant 5	DSI4	9400	1880	18.86	20.10	1.33	-0.00	0.162	0.215	
	WCDMA II	RMC 12.2Kbps	Back 1	5mm	Ant 5	DSI4	9400	1880	18.86	20.10	1.33	0.02	0.713	0.948	
	WCDMA II	RMC 12.2Kbps	Back 1	5mm	Ant 5	DSI4	9262	1852.4	18.80	20.10	1.349	-0.12	0.697	0.940	
	WCDMA II	RMC 12.2Kbps	Back 1	5mm	Ant 5	DSI4	9538	1907.6	18.85	20.10	1.334	0.13	0.665	0.888	
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 4	DSI3	1413	1732.6	20.40	21.00	1.148	0.03	0.712	0.817	
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 4	DSI3	1312	1712.4	20.36	21.00	1.159	0.17	0.696	0.807	
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 4	DSI3	1513	1752.6	20.33	21.00	1.167	-0.03	0.702	0.819	
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 4	DSI3	1413	1732.6	20.40	21.00	1.148	-0.13	0.305	0.350	
	WCDMA IV	RMC 12.2Kbps	Back 1	5mm	Ant 4	DSI3	1413	1732.6	20.40	21.00	1.148	-0.10	0.828	0.950	
	WCDMA IV	RMC 12.2Kbps	Back 1	5mm	Ant 4	DSI3	1312	1712.4	20.36	21.00	1.159	-0.02	0.722	0.837	
	WCDMA IV	RMC 12.2Kbps	Back 1	5mm	Ant 4	DSI3	1513	1752.6	20.33	21.00	1.167	-0.07	0.878	1.025	
	WCDMA IV	RMC 12.2Kbps	Front	10mm	Ant 4	DSI4	1413	1732.6	23.40	24.00	1.148	0.14	0.468	0.537	
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 4	DSI4	1413	1732.6	23.40	24.00	1.148	0.00	0.816	0.937	
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 4	DSI4	1312	1712.4	23.37	24.00	1.156	-0.16	0.723	0.835	
	WCDMA IV	RMC 12.2Kbps	Back	10mm	Ant 4	DSI4	1513	1752.6	23.38	24.00	1.153	-0.02	0.847	0.977	
	WCDMA IV	RMC 12.2Kbps	Front	5mm	Ant 5	DSI4	1413	1732.6	18.86	20.00	1.3	0.15	0.610	0.793	
	WCDMA IV	RMC 12.2Kbps	Back	5mm	Ant 5	DSI4	1413	1732.6	18.86	20.00	1.3	0.04	0.220	0.286	
	WCDMA IV	RMC 12.2Kbps	Back 1	5mm	Ant 5	DSI4	1413	1732.6	18.86	20.00	1.3	0.10	0.763	0.992	
	WCDMA IV	RMC 12.2Kbps	Back 1	5mm	Ant 5	DSI4	1312	1712.4	18.84	20.00	1.306	-0.01	0.671	0.877	
64	WCDMA IV	RMC 12.2Kbps	Back 1	5mm	Ant 5	DSI4	1513	1752.6	18.79	20.00	1.321	-0.03	0.814	1.075	
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 0	DSI3	4182	836.4	24.52	25.00	1.117	-0.02	0.424	0.473	
	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 0	DSI3	4182	836.4	24.52	25.00	1.117	0.01	0.472	0.527	
	WCDMA V	RMC 12.2Kbps	Back 1	5mm	Ant 0	DSI3	4182	836.4	24.52	25.00	1.117	-0.06	0.600	0.670	
	WCDMA V	RMC 12.2Kbps	Front	10mm	Ant 0	DSI4	4182	836.4	24.52	25.00	1.117	0.10	0.215	0.240	
	WCDMA V	RMC 12.2Kbps	Back	10mm	Ant 0	DSI4	4182	836.4	24.52	25.00	1.117	-0.06	0.297	0.331	
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI4	4182	836.4	22.09	22.70	1.151	0.11	0.822	0.946	
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI4	4132	826.4	21.95	22.70	1.189	0.12	0.817	0.971	
	WCDMA V	RMC 12.2Kbps	Front	5mm	Ant 1	DSI4	4233	846.6	22.02	22.70	1.169	0.17	0.806	0.943	



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	WCDMA V	RMC 12.2Kbps	Back	5mm	Ant 1	DSi4	4182	836.4	22.09	22.70	1.151	0.18	0.475	0.547	
	WCDMA V	RMC 12.2Kbps	Back 1	5mm	Ant 1	DSi4	4182	836.4	22.09	22.70	1.151	0.03	0.883	1.016	
	WCDMA V	RMC 12.2Kbps	Back 1	5mm	Ant 1	DSi4	4132	826.4	21.95	22.70	1.189	-0.11	0.867	1.030	
65	WCDMA V	RMC 12.2Kbps	Back 1	5mm	Ant 1	DSi4	4233	846.6	22.02	22.70	1.169	-0.03	0.892	1.043	

【LTE SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 4	DSi3	21100	2535	19.71	20.20	1.119			-0.19	0.712	0.797	
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 4	DSi3	21100	2535	19.56	20.20	1.159			0.06	0.725	0.840	
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 4	DSi3	20850	2510	19.47	20.20	1.183			-0.12	0.718	0.850	
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 4	DSi3	21350	2560	19.47	20.20	1.183			0.00	0.703	0.832	
	LTE Band 7	20M	QPSK	100	0	Front	5mm	Ant 4	DSi3	21100	2535	19.38	20.20	1.208			0.02	0.710	0.858	
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 4	DSi3	21100	2535	19.71	20.20	1.119			0.12	0.181	0.203	
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 4	DSi3	21100	2535	19.56	20.20	1.159			0.02	0.187	0.217	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSi3	21100	2535	19.71	20.20	1.119			-0.14	0.733	0.821	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSi3	20850	2510	19.67	20.20	1.13			0.13	0.722	0.815	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSi3	21350	2560	19.56	20.20	1.159			-0.11	0.709	0.822	
	LTE Band 7	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSi3	21100	2535	19.56	20.20	1.159			0.08	0.760	0.881	
	LTE Band 7	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSi3	20850	2510	19.47	20.20	1.183			-0.18	0.725	0.858	
	LTE Band 7	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSi3	21350	2560	19.47	20.20	1.183			-0.13	0.743	0.878	
	LTE Band 7	20M	QPSK	100	0	Back 1	5mm	Ant 4	DSi3	21100	2535	19.38	20.20	1.208			-0.03	0.727	0.878	
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 4	DSi4	21100	2535	23.61	24.20	1.146			-0.09	0.718	0.823	
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 4	DSi4	20850	2510	23.48	24.20	1.18			0.09	0.708	0.835	
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 4	DSi4	21350	2560	23.55	24.20	1.161			-0.09	0.713	0.828	
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 4	DSi4	21100	2535	23.48	24.20	1.18			-0.17	0.589	0.695	
	LTE Band 7	20M	QPSK	100	0	Front	10mm	Ant 4	DSi4	21100	2535	23.38	24.20	1.208			0.18	0.555	0.671	
66	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 4	DSi4	21100	2535	23.61	24.20	1.146			-0.06	0.881	1.010	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 4	DSi4	20850	2510	23.48	24.20	1.18			-0.07	0.781	0.922	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 4	DSi4	21350	2560	23.55	24.20	1.161			-0.02	0.827	0.961	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 4	DSi4	21100	2535	23.48	24.20	1.18			-0.13	0.754	0.890	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 4	DSi4	20850	2510	23.40	24.20	1.202			0.13	0.731	0.878	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 4	DSi4	21350	2560	23.36	24.20	1.213			0.04	0.737	0.894	
	LTE Band 7	20M	QPSK	100	0	Back	10mm	Ant 4	DSi4	21100	2535	23.38	24.20	1.208			-0.11	0.755	0.912	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 4	DSi4	21100+20902	2535+2515.2	23.53	24.20	1.167			-0.09	0.847	0.988	UL CA
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 5	DSi4	21100	2535	18.93	19.20	1.064			0.18	0.463	0.493	
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 5	DSi4	21100	2535	18.90	19.20	1.072			0.15	0.473	0.507	
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 5	DSi4	21100	2535	18.93	19.20	1.064			0.07	0.148	0.158	
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 5	DSi4	21100	2535	18.90	19.20	1.072			0.17	0.148	0.159	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSi4	21100	2535	18.93	19.20	1.064			-0.02	0.495	0.527	
	LTE Band 7	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSi4	21100	2535	18.90	19.20	1.072			0.00	0.461	0.494	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSi4	21100+20902	2535+2515.2	18.83	19.20	1.089			0.12	0.471	0.513	UL CA
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 6	DSi 3	21100	2535	22.07	23.00	1.239			0.15	0.498	0.617	
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 6	DSi 3	21100	2535	22.06	23.00	1.242			-0.13	0.506	0.629	
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 6	DSi 3	21100	2535	22.07	23.00	1.239			-0.04	0.642	0.795	
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 6	DSi 3	21100	2535	22.06	23.00	1.242			-0.08	0.684	0.850	
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 6	DSi 3	20850	2510	22.03	23.00	1.25			-0.19	0.714	0.892	
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 6	DSi 3	21350	2560	22.05	23.00	1.245			-0.03	0.656	0.817	
	LTE Band 7	20M	QPSK	100	0	Back	5mm	Ant 6	DSi 3	21100	2535	21.99	23.00	1.262			-0.08	0.640	0.808	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSi 3	21100	2535	22.07	23.00	1.239			-0.05	0.680	0.842	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSi 3	20850	2510	22.06	23.00	1.242			-0.06	0.727	0.903	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSi 3	21350	2560	22.04	23.00	1.247			-0.12	0.659	0.822	
	LTE Band 7	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSi 3	21100	2535	22.06	23.00	1.242			0.03	0.685	0.851	
	LTE Band 7	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSi 3	20850	2510	22.03	23.00	1.25			-0.11	0.690	0.862	
	LTE Band 7	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSi 3	21350	2560	22.05	23.00	1.245			-0.03	0.668	0.832	
	LTE Band 7	20M	QPSK	100	0	Back 1	5mm	Ant 6	DSi 3	21100	2535	21.99	23.00	1.262			-0.03	0.648	0.818	
	LTE Band 7	20M	QPSK	1	0	Front	10mm	Ant 6	DSi 4	21100	2535	24.52	25.50	1.253			0.02	0.422	0.529	
	LTE Band 7	20M	QPSK	50	0	Front	10mm	Ant 6	DSi 4	21100	2535	23.53	24.50	1.25			-0.01	0.329	0.411	
	LTE Band 7	20M	QPSK	1	0	Back	10mm	Ant 6	DSi 4	21100	2535	24.52	25.50	1.253			0.03	0.531	0.665	
	LTE Band 7	20M	QPSK	50	0	Back	10mm	Ant 6	DSi 4	21100	2535	23.53	24.50	1.25			0.12	0.411	0.514	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSi 3	20850+21048	2510+2529.8	21.74	23.00	1.337			0.17	0.667	0.892	UL CA
	LTE Band 7	20M	QPSK	1	0	Front	5mm	Ant 7	DSi 4	21100	2535	18.05	19.40	1.365			0.12	0.304	0.415	
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Ant 7	DSi 4	21100	2535	18.03	19.40	1.371			0.17	0.307	0.421	
	LTE Band 7	20M	QPSK	1	0	Back	5mm	Ant 7	DSi 4	21100	2535	18.05	19.40	1.365			0.12	0.137	0.187	
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Ant 7	DSi 4	21100	2535	18.03	19.40	1.371			-0.18	0.136	0.186	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSi 4	21100	2535	18.05	19.40	1.365			-0.00	0.479	0.654	
	LTE Band 7	20M	QPSK	50	0	Back 1	5mm	Ant 7	DSi 4	21100	2535	18.03	19.40	1.371			-0.15	0.462	0.633	
	LTE Band 7	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSi 4	21100+20902	2535+2515.2	18.02	19.40	1.374			0.14	0.449	0.617	UL CA
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 0	DSi3	23095	707.5	24.64	25.20	1.138			-0.18	0.434	0.494	
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 0	DSi3	23095	707.5	24.03	24.70	1.167			0.09	0.385	0.449	
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 0	DSi3	23095	707.5	24.64	25.20	1.138			-0.14	0.424	0.483	
	LTE Band 12	10M	QPSK	25	0	Back	5mm	Ant 0	DSi3	23095	707.5	24.03	24.70	1.167			-0.15	0.398	0.464	



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	LTE Band 12	10M	QPSK	1	0	Back 1	5mm	Ant 0	DSI3	23095	707.5	24.64	25.20	1.138			0.02	0.535	0.609	
	LTE Band 12	10M	QPSK	25	0	Back 1	5mm	Ant 0	DSI3	23095	707.5	24.03	24.70	1.167			0.12	0.469	0.547	
	LTE Band 12	10M	QPSK	1	0	Front	10mm	Ant 0	DSI4	23095	707.5	25.23	25.70	1.114			-0.16	0.273	0.304	
	LTE Band 12	10M	QPSK	25	0	Front	10mm	Ant 0	DSI4	23095	707.5	24.03	24.70	1.167			-0.19	0.209	0.244	
	LTE Band 12	10M	QPSK	1	0	Back	10mm	Ant 0	DSI4	23095	707.5	25.23	25.70	1.114			-0.12	0.288	0.321	
	LTE Band 12	10M	QPSK	25	0	Back	10mm	Ant 0	DSI4	23095	707.5	24.03	24.70	1.167			0.10	0.230	0.268	
	LTE Band 12	10M	QPSK	1	0	Front	5mm	Ant 1	DSI4	23095	707.5	22.07	23.20	1.297			0.06	0.748	0.971	
	LTE Band 12	10M	QPSK	25	0	Front	5mm	Ant 1	DSI4	23095	707.5	21.95	23.20	1.334			0.09	0.740	0.988	
	LTE Band 12	10M	QPSK	50	0	Front	5mm	Ant 1	DSI4	23095	707.5	21.80	23.20	1.38			-0.14	0.735	1.015	
	LTE Band 12	10M	QPSK	1	0	Back	5mm	Ant 1	DSI4	23095	707.5	22.07	23.20	1.297			-0.16	0.430	0.558	
	LTE Band 12	10M	QPSK	25	0	Back	5mm	Ant 1	DSI4	23095	707.5	21.95	23.20	1.334			0.05	0.448	0.598	
67	LTE Band 12	10M	QPSK	1	0	Back 1	5mm	Ant 1	DSI4	23095	707.5	22.07	23.20	1.297			0.01	0.832	1.079	
	LTE Band 12	10M	QPSK	25	0	Back 1	5mm	Ant 1	DSI4	23095	707.5	21.95	23.20	1.334			0.12	0.775	1.033	
	LTE Band 12	10M	QPSK	50	0	Back 1	5mm	Ant 1	DSI4	23095	707.5	21.80	23.20	1.38			0.02	0.767	1.058	
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 0	DSI3	23230	782	25.05	25.70	1.161			0.05	0.574	0.666	
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 0	DSI3	23230	782	24.08	24.70	1.153			-0.16	0.438	0.505	
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 0	DSI3	23230	782	25.05	25.70	1.161			-0.15	0.544	0.631	
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 0	DSI3	23230	782	24.08	24.70	1.153			-0.05	0.443	0.511	
	LTE Band 13	10M	QPSK	1	0	Back 1	5mm	Ant 0	DSI3	23230	782	25.05	25.70	1.161			-0.12	0.659	0.765	
	LTE Band 13	10M	QPSK	25	0	Back 1	5mm	Ant 0	DSI3	23230	782	24.08	24.70	1.153			0.15	0.519	0.598	
	LTE Band 13	10M	QPSK	1	0	Front	10mm	Ant 0	DSI4	23230	782	25.05	25.70	1.161			0.11	0.289	0.336	
	LTE Band 13	10M	QPSK	25	0	Front	10mm	Ant 0	DSI4	23230	782	24.08	24.70	1.153			-0.11	0.224	0.259	
	LTE Band 13	10M	QPSK	1	0	Back	10mm	Ant 0	DSI4	23230	782	25.05	25.70	1.161			-0.10	0.314	0.365	
	LTE Band 13	10M	QPSK	25	0	Back	10mm	Ant 0	DSI4	23230	782	24.08	24.70	1.153			-0.04	0.244	0.281	
	LTE Band 13	10M	QPSK	1	0	Front	5mm	Ant 1	DSI4	23230	782	21.59	22.70	1.291			-0.17	0.766	0.989	
	LTE Band 13	10M	QPSK	25	0	Front	5mm	Ant 1	DSI4	23230	782	21.54	22.70	1.306			-0.09	0.753	0.983	
	LTE Band 13	10M	QPSK	50	0	Front	5mm	Ant 1	DSI4	23230	782	21.33	22.70	1.371			0.01	0.721	0.988	
	LTE Band 13	10M	QPSK	1	0	Back	5mm	Ant 1	DSI4	23230	782	21.59	22.70	1.291			0.07	0.423	0.546	
	LTE Band 13	10M	QPSK	25	0	Back	5mm	Ant 1	DSI4	23230	782	21.54	22.70	1.306			0.06	0.420	0.548	
68	LTE Band 13	10M	QPSK	1	0	Back 1	5mm	Ant 1	DSI4	23230	782	21.59	22.70	1.291			-0.10	0.770	0.994	
	LTE Band 13	10M	QPSK	25	0	Back 1	5mm	Ant 1	DSI4	23230	782	21.54	22.70	1.306			0.02	0.757	0.989	
	LTE Band 13	10M	QPSK	50	0	Back 1	5mm	Ant 1	DSI4	23230	782	21.33	22.70	1.371			0.05	0.710	0.973	
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	26340	1880	21.20	21.70	1.122			0.03	0.637	0.715	
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	26340	1880	21.15	21.70	1.135			0.17	0.636	0.722	
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 4	DSI3	26340	1880	21.20	21.70	1.122			0.00	0.285	0.319	
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 4	DSI3	26340	1880	21.15	21.70	1.135			-0.13	0.298	0.338	
	LTE Band 25	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	26340	1880	21.20	21.70	1.122			-0.16	0.803	0.901	
	LTE Band 25	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	26140	1860	21.13	21.70	1.14			-0.04	0.766	0.873	
	LTE Band 25	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	26590	1905	21.11	21.70	1.146			-0.01	0.760	0.871	
	LTE Band 25	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	26340	1880	21.15	21.70	1.135			0.09	0.808	0.917	
	LTE Band 25	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	26140	1860	20.98	21.70	1.18			-0.13	0.737	0.870	
	LTE Band 25	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	26590	1905	20.96	21.70	1.186			0.07	0.756	0.897	
	LTE Band 25	20M	QPSK	100	0	Back 1	5mm	Ant 4	DSI3	26340	1880	20.96	21.70	1.186			0.08	0.783	0.929	
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 4	DSI4	26340	1880	24.22	24.70	1.117			-0.04	0.554	0.618	
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 4	DSI4	26340	1880	24.03	24.70	1.167			-0.08	0.470	0.548	
69	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	26340	1880	24.22	24.70	1.117			-0.01	0.854	0.954	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	26140	1860	24.10	24.70	1.148			0.17	0.778	0.893	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	26590	1905	24.04	24.70	1.164			-0.10	0.753	0.876	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	26340	1880	24.03	24.70	1.167			0.00	0.695	0.811	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	26140	1860	23.94	24.70	1.191			-0.17	0.688	0.819	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	26590	1905	23.99	24.70	1.178			0.17	0.692	0.816	
	LTE Band 25	20M	QPSK	100	0	Back	10mm	Ant 4	DSI4	26340	1880	23.92	24.70	1.197			-0.11	0.685	0.820	
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 5	DSI4	26340	1880	17.78	18.20	1.102			0.14	0.557	0.614	
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	26340	1880	17.77	18.20	1.104			0.00	0.555	0.612	
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 5	DSI4	26340	1880	17.78	18.20	1.102			0.01	0.199	0.220	
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 5	DSI4	26340	1880	17.77	18.20	1.104			-0.11	0.203	0.224	
	LTE Band 25	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	26340	1880	17.78	18.20	1.102			0.07	0.696	0.767	
	LTE Band 25	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	26340	1880	17.77	18.20	1.104			0.13	0.690	0.762	
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 3	26340	1880	19.83	20.20	1.089			-0.00	0.558	0.608	
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 3	26340	1880	19.79	20.20	1.099			-0.01	0.567	0.623	
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	26340	1880	19.83	20.20	1.089			0.14	0.777	0.846	
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	26140	1860	19.82	20.20	1.091			0.08	0.809	0.883	
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	26590	1905	19.81	20.20	1.094			0.18	0.796	0.871	
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	26340	1880	19.79	20.20	1.099			0.08	0.811	0.891	
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	26140	1860	19.78	20.20	1.102			0.03	0.825	0.909	
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	26590	1905	19.73	20.20	1.114			0.02	0.814	0.907	
	LTE Band 25	20M	QPSK	100	0	Back	5mm	Ant 6	DSI 3	26140	1860	19.69	20.20	1.125			-0.18	0.805	0.906	
	LTE Band 25	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSI 3	26340	1880	19.83	20.20	1.089			-0.19	0.673	0.733	
	LTE Band 25	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSI 3	26340	1880	19.79	20.20	1.099			0.08	0.675	0.742	
	LTE Band 25	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 4	26340	1880	24.36	24.70	1.081			0.07	0.678	0.733	
	LTE Band 25	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 4	26340	1880	23.99	24.70	1.178			-0.01	0.538	0.634	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 4	26340	1880	24.36	24.70	1.081			-0.16	0.847	0.916	
	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 4	26140	1860	24.33	24.70	1.089			0.03	0.842	0.917	



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	LTE Band 25	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 4	26590	1905	24.32	24.70	1.091			-0.17	0.837	0.913	
	LTE Band 25	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 4	26340	1880	23.99	24.70	1.178			-0.12	0.665	0.783	
	LTE Band 25	20M	QPSK	100	0	Back	10mm	Ant 6	DSI 4	26340	1880	24.01	24.70	1.172			-0.16	0.633	0.742	
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 7	DSI 4	26340	1880	19.28	20.60	1.354			0.07	0.605	0.819	
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 7	DSI 4	26140	1860	19.24	20.60	1.368			0.18	0.550	0.753	
	LTE Band 25	20M	QPSK	1	0	Front	5mm	Ant 7	DSI 4	26590	1905	19.27	20.60	1.358			0.13	0.560	0.760	
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 7	DSI 4	26340	1880	19.27	20.60	1.358			0.06	0.614	0.834	
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 7	DSI 4	26140	1860	19.15	20.60	1.396			0.03	0.554	0.773	
	LTE Band 25	20M	QPSK	50	0	Front	5mm	Ant 7	DSI 4	26590	1905	19.26	20.60	1.361			-0.10	0.573	0.781	
	LTE Band 25	20M	QPSK	100	0	Front	5mm	Ant 7	DSI 4	26340	1880	19.21	20.60	1.377			-0.15	0.574	0.791	
	LTE Band 25	20M	QPSK	1	0	Back	5mm	Ant 7	DSI 4	26340	1880	19.28	20.60	1.354			0.17	0.257	0.347	
	LTE Band 25	20M	QPSK	50	0	Back	5mm	Ant 7	DSI 4	26340	1880	19.27	20.60	1.358			-0.01	0.257	0.348	
	LTE Band 25	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	26340	1880	19.28	20.60	1.354			0.12	0.621	0.841	
	LTE Band 25	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	26140	1860	19.24	20.60	1.368			-0.05	0.580	0.794	
	LTE Band 25	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	26590	1905	19.27	20.60	1.358			-0.12	0.587	0.797	
	LTE Band 25	20M	QPSK	50	0	Back 1	5mm	Ant 7	DSI 4	26340	1880	19.27	20.60	1.358			-0.08	0.632	0.858	
	LTE Band 25	20M	QPSK	50	0	Back 1	5mm	Ant 7	DSI 4	26140	1860	19.15	20.60	1.396			0.04	0.577	0.806	
	LTE Band 25	20M	QPSK	50	0	Back 1	5mm	Ant 7	DSI 4	26590	1905	19.26	20.60	1.361			-0.08	0.590	0.803	
	LTE Band 25	20M	QPSK	100	0	Back 1	5mm	Ant 7	DSI 4	26340	1880	19.21	20.60	1.377			0.13	0.583	0.803	
	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 0	DSI3	26865	831.5	24.73	25.20	1.114			0.15	0.459	0.512	
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 0	DSI3	26865	831.5	24.15	24.70	1.135			0.10	0.404	0.459	
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 0	DSI3	26865	831.5	24.73	25.20	1.114			0.04	0.495	0.551	
	LTE Band 26	15M	QPSK	36	0	Back	5mm	Ant 0	DSI3	26865	831.5	24.15	24.70	1.135			0.18	0.464	0.527	
	LTE Band 26	15M	QPSK	1	0	Back 1	5mm	Ant 0	DSI3	26865	831.5	24.73	25.20	1.114			0.01	0.635	0.707	
	LTE Band 26	15M	QPSK	36	0	Back 1	5mm	Ant 0	DSI3	26865	831.5	24.15	24.70	1.135			0.11	0.558	0.633	
	LTE Band 26	15M	QPSK	1	0	Front	10mm	Ant 0	DSI4	26865	831.5	25.27	25.70	1.104			0.03	0.249	0.275	
	LTE Band 26	15M	QPSK	36	0	Front	10mm	Ant 0	DSI4	26865	831.5	24.15	24.70	1.135			-0.16	0.202	0.229	
	LTE Band 26	15M	QPSK	1	0	Back	10mm	Ant 0	DSI4	26865	831.5	25.27	25.70	1.104			0.10	0.349	0.385	
	LTE Band 26	15M	QPSK	36	0	Back	10mm	Ant 0	DSI4	26865	831.5	24.15	24.70	1.135			-0.01	0.270	0.306	
	LTE Band 26	15M	QPSK	1	0	Front	5mm	Ant 1	DSI4	26865	831.5	22.11	23.20	1.285			0.13	0.759	0.975	
	LTE Band 26	15M	QPSK	36	0	Front	5mm	Ant 1	DSI4	26865	831.5	21.98	23.20	1.324			0.05	0.766	1.014	
	LTE Band 26	15M	QPSK	75	0	Front	5mm	Ant 1	DSI4	26865	831.5	21.88	23.20	1.355			-0.12	0.758	1.027	
	LTE Band 26	15M	QPSK	1	0	Back	5mm	Ant 1	DSI4	26865	831.5	22.11	23.20	1.285			-0.05	0.446	0.574	
	LTE Band 26	15M	QPSK	36	0	Back	5mm	Ant 1	DSI4	26865	831.5	21.98	23.20	1.324			-0.12	0.459	0.607	
70	LTE Band 26	15M	QPSK	1	0	Back 1	5mm	Ant 1	DSI4	26865	831.5	22.11	23.20	1.285			0.02	0.848	1.090	
	LTE Band 26	15M	QPSK	36	0	Back 1	5mm	Ant 1	DSI4	26865	831.5	21.98	23.20	1.324			-0.01	0.808	1.069	
	LTE Band 26	15M	QPSK	75	0	Back 1	5mm	Ant 1	DSI4	26865	831.5	21.88	23.20	1.355			0.00	0.801	1.085	
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	132322	1745	21.10	21.70	1.148			0.11	0.553	0.635	
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	132322	1745	21.01	21.70	1.172			0.08	0.580	0.680	
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 4	DSI3	132322	1745	21.10	21.70	1.148			-0.18	0.231	0.265	
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 4	DSI3	132322	1745	21.01	21.70	1.172			-0.09	0.232	0.272	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	132322	1745	21.10	21.70	1.148			0.18	0.736	0.845	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	132072	1720	21.02	21.70	1.169			-0.06	0.645	0.754	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	132572	1770	20.96	21.70	1.186			0.04	0.834	0.989	
	LTE Band 66	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	132322	1745	21.01	21.70	1.172			-0.15	0.754	0.883	
	LTE Band 66	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	132072	1720	20.90	21.70	1.202			-0.16	0.663	0.797	
	LTE Band 66	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	132572	1770	20.94	21.70	1.191			0.15	0.827	0.985	
	LTE Band 66	20M	QPSK	100	0	Back 1	5mm	Ant 4	DSI3	132322	1745	20.81	21.70	1.227			-0.09	0.784	0.962	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 4	DSI4	132322	1745	24.56	25.20	1.159			0.03	0.462	0.536	
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 4	DSI4	132322	1745	24.24	24.70	1.112			0.07	0.393	0.437	
71	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	132322	1745	24.56	25.20	1.159			-0.05	0.866	1.004	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	132072	1720	24.52	25.20	1.169			0.16	0.822	0.961	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	132572	1770	24.48	25.20	1.18			0.02	0.795	0.938	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	132322	1745	24.24	24.70	1.112			-0.06	0.743	0.826	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	132072	1720	24.01	24.70	1.172			-0.16	0.736	0.862	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	132572	1770	24.20	24.70	1.122			-0.07	0.710	0.797	
	LTE Band 66	20M	QPSK	100	0	Back	10mm	Ant 4	DSI4	132322	1745	24.12	24.70	1.143			0.05	0.752	0.859	
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 5	DSI4	132322	1745	18.72	19.20	1.117			0.15	0.577	0.644	
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	132322	1745	18.71	19.20	1.119			0.15	0.581	0.650	
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 5	DSI4	132322	1745	18.72	19.20	1.117			-0.03	0.228	0.254	
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 5	DSI4	132322	1745	18.71	19.20	1.119			0.03	0.229	0.256	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	132322	1745	18.72	19.20	1.117			0.02	0.734	0.820	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	132072	1720	18.61	19.20	1.146			-0.10	0.686	0.786	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	132572	1770	18.71	19.20	1.119			0.01	0.710	0.794	
	LTE Band 66	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	132322	1745	18.71	19.20	1.119			0.10	0.725	0.811	
	LTE Band 66	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	132072	1720	18.68	19.20	1.127			0.19	0.698	0.786	
	LTE Band 66	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	132572	1770	18.69	19.20	1.125			0.16	0.691	0.777	
	LTE Band 66	20M	QPSK	100	0	Back 1	5mm	Ant 5	DSI4	132072	1720	18.60	19.20	1.148			-0.17	0.708	0.812	
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 3	132322	1745	20.48	20.70	1.052			-0.14	0.442	0.465	
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 3	132322	1745	20.47	20.70	1.054			-0.03	0.444	0.468	
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	132322	1745	20.48	20.70	1.052			0.17	0.704	0.740	
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	132322	1745	20.47	20.70	1.054			-0.07	0.690	0.727	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSI 3	132322	1745	20.48	20.70	1.052			0.16	0.554	0.583	



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	LTE Band 66	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSI 3	132322	1745	20.47	20.70	1.054			0.12	0.546	0.575	
	LTE Band 66	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 4	132322	1745	24.98	25.20	1.052			0.13	0.693	0.729	
	LTE Band 66	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 4	132322	1745	24.31	24.70	1.094			0.10	0.542	0.592	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 4	132322	1745	24.98	25.20	1.052			0.15	0.841	0.885	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 4	132072	1720	24.97	25.20	1.054			-0.10	0.820	0.864	
	LTE Band 66	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 4	132572	1770	24.92	25.20	1.067			0.08	0.833	0.889	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 4	132322	1745	24.31	24.70	1.094			-0.00	0.762	0.834	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 4	132072	1720	24.01	24.70	1.172			0.02	0.701	0.822	
	LTE Band 66	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 4	132572	1770	23.93	24.70	1.194			0.06	0.714	0.853	
	LTE Band 66	20M	QPSK	100	0	Back	10mm	Ant 6	DSI 4	132322	1745	24.32	24.70	1.091			-0.03	0.776	0.847	
	LTE Band 66	20M	QPSK	1	0	Front	5mm	Ant 7	DSI 4	132322	1745	19.81	20.70	1.227			0.05	0.610	0.748	
	LTE Band 66	20M	QPSK	50	0	Front	5mm	Ant 7	DSI 4	132322	1745	19.80	20.70	1.23			0.13	0.598	0.735	
	LTE Band 66	20M	QPSK	1	0	Back	5mm	Ant 7	DSI 4	132322	1745	19.81	20.70	1.227			0.05	0.269	0.330	
	LTE Band 66	20M	QPSK	50	0	Back	5mm	Ant 7	DSI 4	132322	1745	19.80	20.70	1.23			-0.19	0.263	0.323	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	132322	1745	19.81	20.70	1.227			-0.12	0.652	0.800	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	132072	1720	19.75	20.70	1.245			0.13	0.558	0.695	
	LTE Band 66	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	132572	1770	19.78	20.70	1.236			0.06	0.651	0.805	
	LTE Band 66	20M	QPSK	50	0	Back 1	5mm	Ant 7	DSI 4	132322	1745	19.80	20.70	1.23			0.03	0.631	0.776	
	LTE Band 66	20M	QPSK	100	0	Back 1	5mm	Ant 7	DSI 4	132072	1720	19.73	20.70	1.25			-0.15	0.637	0.796	
	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 0	DSI3	133297	680.5	25.17	25.70	1.13			0.02	0.283	0.320	
	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 0	DSI3	133297	680.5	24.04	24.70	1.164			0.01	0.225	0.262	
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 0	DSI3	133297	680.5	25.17	25.70	1.13			-0.03	0.255	0.288	
	LTE Band 71	20M	QPSK	50	0	Back	5mm	Ant 0	DSI3	133297	680.5	24.04	24.70	1.164			0.12	0.244	0.284	
	LTE Band 71	20M	QPSK	1	0	Back 1	5mm	Ant 0	DSI3	133297	680.5	25.17	25.70	1.13			0.14	0.365	0.412	
	LTE Band 71	20M	QPSK	50	0	Back 1	5mm	Ant 0	DSI3	133297	680.5	24.04	24.70	1.164			0.01	0.284	0.331	
	LTE Band 71	20M	QPSK	1	0	Front	10mm	Ant 0	DSI4	133297	680.5	25.17	25.70	1.13			0.05	0.166	0.188	
	LTE Band 71	20M	QPSK	50	0	Front	10mm	Ant 0	DSI4	133297	680.5	24.04	24.70	1.164			0.01	0.130	0.151	
	LTE Band 71	20M	QPSK	1	0	Back	10mm	Ant 0	DSI4	133297	680.5	25.17	25.70	1.13			0.04	0.172	0.194	
	LTE Band 71	20M	QPSK	50	0	Back	10mm	Ant 0	DSI4	133297	680.5	24.04	24.70	1.164			-0.04	0.132	0.154	
	LTE Band 71	20M	QPSK	1	0	Front	5mm	Ant 1	DSI4	133297	680.5	22.61	23.70	1.285			-0.18	0.658	0.846	
	LTE Band 71	20M	QPSK	50	0	Front	5mm	Ant 1	DSI4	133297	680.5	22.52	23.70	1.312			-0.13	0.664	0.871	
	LTE Band 71	20M	QPSK	100	0	Front	5mm	Ant 1	DSI4	133297	680.5	22.33	23.70	1.371			0.13	0.643	0.882	
	LTE Band 71	20M	QPSK	1	0	Back	5mm	Ant 1	DSI4	133297	680.5	22.61	23.70	1.285			0.07	0.394	0.507	
	LTE Band 71	20M	QPSK	50	0	Back	5mm	Ant 1	DSI4	133297	680.5	22.52	23.70	1.312			0.13	0.381	0.500	
72	LTE Band 71	20M	QPSK	1	0	Back 1	5mm	Ant 1	DSI4	133297	680.5	22.61	23.70	1.285			-0.12	0.716	0.920	
	LTE Band 71	20M	QPSK	50	0	Back 1	5mm	Ant 1	DSI4	133297	680.5	22.52	23.70	1.312			-0.12	0.688	0.903	
	LTE Band 71	20M	QPSK	100	0	Back 1	5mm	Ant 1	DSI4	133297	680.5	22.33	23.70	1.371			0.15	0.664	0.910	
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	40620	2593	21.77	22.20	1.104	62.9	1.006	0.11	0.703	0.781	
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	39750	2506	21.60	22.20	1.148	62.9	1.006	0.14	0.622	0.718	
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	40185	2549.5	21.71	22.20	1.119	62.9	1.006	-0.06	0.654	0.736	
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	41055	2636.5	21.66	22.20	1.132	62.9	1.006	-0.13	0.730	0.831	
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	41490	2680	21.65	22.20	1.135	62.9	1.006	-0.05	0.743	0.848	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	40620	2593	21.64	22.20	1.138	62.9	1.006	-0.08	0.709	0.811	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	39750	2506	21.51	22.20	1.172	62.9	1.006	-0.08	0.614	0.724	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	40185	2549.5	21.44	22.20	1.191	62.9	1.006	-0.14	0.633	0.758	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	41055	2636.5	21.42	22.20	1.197	62.9	1.006	0.12	0.749	0.902	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	41490	2680	21.62	22.20	1.143	62.9	1.006	0.02	0.755	0.868	
	LTE Band 41	20M	QPSK	100	0	Front	5mm	Ant 4	DSI3	41490	2680	21.56	22.20	1.159	62.9	1.006	0.05	0.737	0.859	
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 4	DSI3	40620	2593	21.77	22.20	1.104	62.9	1.006	0.00	0.207	0.230	
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 4	DSI3	40620	2593	21.64	22.20	1.138	62.9	1.006	-0.07	0.211	0.242	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	40620	2593	21.77	22.20	1.104	62.9	1.006	0.14	0.778	0.864	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	39750	2506	21.60	22.20	1.148	62.9	1.006	-0.17	0.697	0.805	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	40185	2549.5	21.71	22.20	1.119	62.9	1.006	0.12	0.719	0.809	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	41055	2636.5	21.66	22.20	1.132	62.9	1.006	-0.02	0.851	0.969	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	41490	2680	21.65	22.20	1.135	62.9	1.006	0.09	0.890	1.016	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	40620	2593	21.64	22.20	1.138	62.9	1.006	-0.16	0.788	0.902	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	39750	2506	21.51	22.20	1.172	62.9	1.006	-0.11	0.716	0.844	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	40185	2549.5	21.44	22.20	1.191	62.9	1.006	-0.17	0.732	0.877	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	41055	2636.5	21.42	22.20	1.197	62.9	1.006	-0.08	0.836	1.007	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	41490	2680	21.62	22.20	1.143	62.9	1.006	0.09	0.869	0.999	
	LTE Band 41	20M	QPSK	100	0	Back 1	5mm	Ant 4	DSI3	41490	2680	21.56	22.20	1.159	62.9	1.006	0.05	0.837	0.976	
	LTE Band 41	20M	QPSK	1	0	Front	10mm	Ant 4	DSI4	40620	2593	25.28	25.70	1.102	62.9	1.006	-0.08	0.469	0.520	
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 4	DSI4	40620	2593	24.27	24.70	1.104	62.9	1.006	-0.07	0.428	0.476	
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	40620	2593	25.28	25.70	1.102	62.9	1.006	-0.02	0.952	1.055	
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	39750	2506	25.25	25.70	1.109	62.9	1.006	-0.08	0.874	0.975	
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	40185	2549.5	25.22	25.70	1.117	62.9	1.006	0.12	0.882	0.991	
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	41055	2636.5	25.21	25.70	1.119	62.9	1.006	0.05	0.913	1.028	
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	41490	2680	25.27	25.70	1.104	62.9	1.006	0.10	0.903	1.002	
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	40620	2593	24.27	24.70	1.104	62.9	1.006	-0.14	0.747	0.829	
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	39750	2506	24.10	24.70	1.148	62.9	1.006	0.13	0.736	0.850	
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	40185	2549.5	24.12	24.70	1.143	62.9</					



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	LTE Band 38	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	37901+38099	2585.1+2604.9	24.07	24.70	1.156	62.9	1.006	-0.08	0.901	1.048	UL CA
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 5	DSI4	40620	2593	21.35	21.60	1.059	62.9	1.006	0.19	0.777	0.827	
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 5	DSI4	39750	2506	21.28	21.60	1.076	62.9	1.006	0.08	0.599	0.648	
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 5	DSI4	40185	2549.5	21.31	21.60	1.069	62.9	1.006	-0.10	0.700	0.753	
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 5	DSI4	41055	2636.5	21.30	21.60	1.072	62.9	1.006	-0.13	0.745	0.804	
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 5	DSI4	41490	2680	21.34	21.60	1.062	62.9	1.006	-0.03	0.835	0.892	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	40620	2593	21.34	21.60	1.062	62.9	1.006	0.04	0.780	0.834	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	39750	2506	21.28	21.60	1.076	62.9	1.006	-0.07	0.613	0.664	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	40185	2549.5	21.32	21.60	1.067	62.9	1.006	0.19	0.708	0.760	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	41055	2636.5	21.31	21.60	1.069	62.9	1.006	-0.11	0.761	0.818	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	41490	2680	21.30	21.60	1.072	62.9	1.006	0.14	0.822	0.886	
	LTE Band 41	20M	QPSK	100	0	Front	5mm	Ant 5	DSI4	40620	2593	21.29	21.60	1.074	62.9	1.006	0.02	0.812	0.877	
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 5	DSI4	40620	2593	21.35	21.60	1.059	62.9	1.006	-0.07	0.244	0.260	
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 5	DSI4	40620	2593	21.34	21.60	1.062	62.9	1.006	-0.12	0.244	0.260	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	40620	2593	21.35	21.60	1.059	62.9	1.006	0.06	0.774	0.825	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	39750	2506	21.28	21.60	1.076	62.9	1.006	-0.00	0.742	0.803	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	40185	2549.5	21.31	21.60	1.069	62.9	1.006	-0.11	0.748	0.804	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	41055	2636.5	21.30	21.60	1.072	62.9	1.006	0.03	0.739	0.797	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	41490	2680	21.34	21.60	1.062	62.9	1.006	0.04	0.866	0.925	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	40620	2593	21.34	21.60	1.062	62.9	1.006	-0.16	0.762	0.814	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	39750	2506	21.28	21.60	1.076	62.9	1.006	-0.09	0.723	0.783	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	40185	2549.5	21.32	21.60	1.067	62.9	1.006	0.11	0.755	0.810	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	41055	2636.5	21.31	21.60	1.069	62.9	1.006	-0.03	0.703	0.756	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	41490	2680	21.30	21.60	1.072	62.9	1.006	-0.14	0.828	0.893	
	LTE Band 41	20M	QPSK	100	0	Back 1	5mm	Ant 5	DSI4	40620	2593	21.29	21.60	1.074	62.9	1.006	0.01	0.810	0.875	
	LTE Band 38	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	38150+37952	2610+2590.2	20.69	21.20	1.125	62.9	1.006	0.03	0.754	0.853	UL CA
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 6	DSI 3	40620	2593	24.17	24.70	1.13	62.9	1.006	0.05	0.479	0.544	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 6	DSI 3	40620	2593	24.07	24.70	1.156	62.9	1.006	0.08	0.466	0.542	
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	40620	2593	24.17	24.70	1.13	62.9	1.006	0.07	0.582	0.662	
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	39750	2506	24.14	24.70	1.138	62.9	1.006	-0.16	0.711	0.814	
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	40185	2549.5	24.16	24.70	1.132	62.9	1.006	-0.07	0.681	0.776	
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	41055	2636.5	24.16	24.70	1.132	62.9	1.006	0.11	0.646	0.736	
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 6	DSI 3	41490	2680	24.11	24.70	1.146	62.9	1.006	0.09	0.675	0.778	
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	40620	2593	24.07	24.70	1.156	62.9	1.006	0.02	0.585	0.680	
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	39750	2506	23.89	24.70	1.205	62.9	1.006	0.07	0.692	0.839	
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	40185	2549.5	23.93	24.70	1.194	62.9	1.006	0.08	0.654	0.786	
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	41055	2636.5	23.86	24.70	1.213	62.9	1.006	0.13	0.616	0.752	
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 6	DSI 3	41490	2680	23.98	24.70	1.18	62.9	1.006	0.01	0.653	0.775	
	LTE Band 41	20M	QPSK	100	0	Back	5mm	Ant 6	DSI 3	40620	2593	24.00	24.70	1.175	62.9	1.006	0.02	0.623	0.736	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSI 3	40620	2593	24.17	24.70	1.13	62.9	1.006	-0.04	0.650	0.739	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSI 3	39750	2506	24.14	24.70	1.138	62.9	1.006	0.09	0.744	0.852	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSI 3	40185	2549.5	24.16	24.70	1.132	62.9	1.006	0.04	0.695	0.791	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSI 3	41055	2636.5	24.16	24.70	1.132	62.9	1.006	0.02	0.665	0.758	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSI 3	41490	2680	24.11	24.70	1.146	62.9	1.006	-0.19	0.685	0.790	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSI 3	40620	2593	24.07	24.70	1.156	62.9	1.006	-0.10	0.615	0.715	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSI 3	39750	2506	23.89	24.70	1.205	62.9	1.006	0.17	0.688	0.834	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSI 3	40185	2549.5	23.93	24.70	1.194	62.9	1.006	0.16	0.657	0.789	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSI 3	41055	2636.5	23.86	24.70	1.213	62.9	1.006	-0.11	0.629	0.768	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 6	DSI 3	41490	2680	23.98	24.70	1.18	62.9	1.006	-0.12	0.648	0.770	
	LTE Band 41	20M	QPSK	100	0	Back 1	5mm	Ant 6	DSI 3	40620	2593	24.00	24.70	1.175	62.9	1.006	-0.06	0.619	0.732	
	LTE Band 41	20M	QPSK	1	0	Front	10mm	Ant 6	DSI 4	40620	2593	25.10	25.70	1.148	62.9	1.006	0.06	0.274	0.316	
	LTE Band 41	20M	QPSK	50	0	Front	10mm	Ant 6	DSI 4	40620	2593	24.07	24.70	1.156	62.9	1.006	-0.07	0.214	0.249	
	LTE Band 41	20M	QPSK	1	0	Back	10mm	Ant 6	DSI 4	40620	2593	25.10	25.70	1.148	62.9	1.006	0.01	0.326	0.376	
	LTE Band 41	20M	QPSK	50	0	Back	10mm	Ant 6	DSI 4	40620	2593	24.07	24.70	1.156	62.9	1.006	0.03	0.254	0.295	
	LTE Band 38	20M	QPSK	1	0	Back 1	5mm	Ant 6	DSI 3	37850+38048	2580+2599.8	24.08	24.70	1.153	62.9	1.006	0.02	0.708	0.821	UL CA
	LTE Band 41	20M	QPSK	1	0	Front	5mm	Ant 7	DSI 4	40620	2593	21.81	23.20	1.377	62.9	1.006	0.17	0.425	0.589	
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Ant 7	DSI 4	40620	2593	21.79	23.20	1.384	62.9	1.006	0.07	0.406	0.565	
	LTE Band 41	20M	QPSK	1	0	Back	5mm	Ant 7	DSI 4	40620	2593	21.81	23.20	1.377	62.9	1.006	-0.10	0.224	0.311	
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Ant 7	DSI 4	40620	2593	21.79	23.20	1.384	62.9	1.006	-0.01	0.228	0.318	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	40620	2593	21.81	23.20	1.377	62.9	1.006	0.02	0.780	1.080	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	39750	2506	20.64	22.20	1.432	62.9	1.006	-0.16	0.672	0.968	
73	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	40185	2549.5	21.78	23.20	1.387	62.9	1.006	-0.11	0.783	1.093	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	41055	2636.5	21.73	23.20	1.403	62.9	1.006	0.17	0.748	1.055	
	LTE Band 41	20M	QPSK	1	0	Back 1	5mm	Ant 7	DSI 4	41490	2680	21.75	23.20	1.396	62.9	1.006	0.13	0.694	0.975	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 7	DSI 4	40620	2593	21.79	23.20	1.384	62.9	1.006	0.04	0.771	1.073	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 7	DSI 4	39750	2506	20.58	22.20	1.452	62.9	1.006	-0.03	0.582	0.850	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 7	DSI 4	40185	2549.5	21.71	23.20	1.409	62.9	1.006	0.09	0.759	1.075	
	LTE Band 41	20M	QPSK	50	0	Back 1	5mm	Ant 7	DSI 4	41055	2636.5	21.67	23.20	1.422	62.9	1.006	0.15	0.741	1.059	
	LTE Band 41	20M	QPSK	5																



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	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 4	DSI3	42590	3500	20.71	21.20	1.119	62.9	1.006	0.16	0.129	0.145	
	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	42590	3500	20.74	21.20	1.112	62.9	1.006	-0.08	0.672	0.752	
	LTE Band 42	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	42590	3500	20.71	21.20	1.119	62.9	1.006	-0.08	0.494	0.556	
	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI 3	42590	3500	15.12	16.50	1.374	62.9	1.006	-0.09	0.205	0.283	Other PA
	LTE Band 42	20M	QPSK	1	0	Front	10mm	Ant 4	DSI4	42590	3500	25.28	25.70	1.102	62.9	1.006	0.01	0.467	0.518	
	LTE Band 42	20M	QPSK	50	0	Front	10mm	Ant 4	DSI4	42590	3500	24.17	24.70	1.13	62.9	1.006	0.03	0.540	0.614	
	LTE Band 42	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	42590	3500	25.28	25.70	1.102	62.9	1.006	-0.05	0.543	0.602	
	LTE Band 42	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	42590	3500	24.17	24.70	1.13	62.9	1.006	0.16	0.627	0.713	
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 5	DSI4	42590	3500	19.24	19.70	1.112	62.9	1.006	-0.18	0.254	0.284	
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	42590	3500	19.23	19.70	1.114	62.9	1.006	0.02	0.259	0.290	
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 5	DSI4	42590	3500	19.24	19.70	1.112	62.9	1.006	0.06	0.108	0.121	
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 5	DSI4	42590	3500	19.23	19.70	1.114	62.9	1.006	0.11	0.103	0.115	
	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	42590	3500	19.24	19.70	1.112	62.9	1.006	0.05	0.313	0.350	
	LTE Band 42	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	42590	3500	19.23	19.70	1.114	62.9	1.006	0.15	0.303	0.340	
	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI 4	42590	3500	13.46	14.90	1.393	62.9	1.006	0.03	0.142	0.199	Other PA
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 10	DSI 4	42590	3500	19.15	19.70	1.135	62.9	1.006	0.05	0.001	0.001	
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 10	DSI 4	42590	3500	19.13	19.70	1.14	62.9	1.006	-0.02	0.001	0.001	
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 10	DSI 4	42590	3500	19.15	19.70	1.135	62.9	1.006	-0.14	0.189	0.215	
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 10	DSI 4	42590	3500	19.13	19.70	1.14	62.9	1.006	0.04	0.190	0.218	
	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 10	DSI 4	42590	3500	19.15	19.70	1.135	62.9	1.006	0.05	0.817	0.933	
	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 10	DSI 4	42190	3460	19.11	19.70	1.146	62.9	1.006	-0.11	0.774	0.892	
	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 10	DSI 4	42990	3540	19.13	19.70	1.14	62.9	1.006	-0.08	0.699	0.801	
	LTE Band 42	20M	QPSK	50	0	Back 1	5mm	Ant 10	DSI 4	42590	3500	19.13	19.70	1.14	62.9	1.006	0.02	0.797	0.914	
	LTE Band 42	20M	QPSK	50	0	Back 1	5mm	Ant 10	DSI 4	42190	3460	19.08	19.70	1.153	62.9	1.006	0.08	0.793	0.920	
	LTE Band 42	20M	QPSK	50	0	Back 1	5mm	Ant 10	DSI 4	42990	3540	19.11	19.70	1.146	62.9	1.006	0.09	0.730	0.842	
	LTE Band 42	20M	QPSK	100	0	Back 1	5mm	Ant 10	DSI 4	42590	3500	19.12	19.70	1.143	62.9	1.006	-0.05	0.770	0.885	
	LTE Band 42	20M	QPSK	1	0	Front	5mm	Ant 19	DSI 4	42590	3500	19.44	20.70	1.337	62.9	1.006	-0.06	0.246	0.332	
	LTE Band 42	20M	QPSK	50	0	Front	5mm	Ant 19	DSI 4	42590	3500	19.52	20.70	1.312	62.9	1.006	0.09	0.246	0.324	
	LTE Band 42	20M	QPSK	1	0	Back	5mm	Ant 19	DSI 4	42590	3500	19.44	20.70	1.337	62.9	1.006	-0.16	0.192	0.258	
	LTE Band 42	20M	QPSK	50	0	Back	5mm	Ant 19	DSI 4	42590	3500	19.52	20.70	1.312	62.9	1.006	0.17	0.145	0.191	
74	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 19	DSI 4	42590	3500	19.44	20.70	1.337	62.9	1.006	-0.16	0.794	1.068	
	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 19	DSI 4	42190	3460	19.37	20.70	1.358	62.9	1.006	0.08	0.629	0.859	
	LTE Band 42	20M	QPSK	1	0	Back 1	5mm	Ant 19	DSI 4	42990	3540	19.41	20.70	1.346	62.9	1.006	0.08	0.746	1.010	
	LTE Band 42	20M	QPSK	50	0	Back 1	5mm	Ant 19	DSI 4	42590	3500	19.52	20.70	1.312	62.9	1.006	-0.07	0.666	0.878	
	LTE Band 42	20M	QPSK	50	0	Back 1	5mm	Ant 19	DSI 4	42190	3460	19.41	20.70	1.346	62.9	1.006	0.01	0.541	0.732	
	LTE Band 42	20M	QPSK	50	0	Back 1	5mm	Ant 19	DSI 4	42990	3540	19.46	20.70	1.33	62.9	1.006	-0.10	0.684	0.915	
	LTE Band 42	20M	QPSK	100	0	Back 1	5mm	Ant 19	DSI 4	42590	3500	19.41	20.70	1.346	62.9	1.006	0.12	0.675	0.914	
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	55990	3625	20.71	22.00	1.346	62.9	1.006	-0.03	0.706	0.956	
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	55340	3560	20.64	22.00	1.368	62.9	1.006	0.02	0.780	1.073	
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	55830	3609	20.67	22.00	1.358	62.9	1.006	-0.07	0.726	0.992	
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	56150	3641	20.59	22.00	1.384	62.9	1.006	0.19	0.753	1.049	
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 4	DSI3	56640	3690	20.63	22.00	1.371	62.9	1.006	0.16	0.719	0.992	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	55990	3625	20.70	22.00	1.349	62.9	1.006	-0.04	0.644	0.873	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	55340	3560	20.59	22.00	1.384	62.9	1.006	-0.19	0.740	1.030	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	55830	3609	20.61	22.00	1.377	62.9	1.006	-0.02	0.693	0.959	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	56150	3641	20.55	22.00	1.396	62.9	1.006	-0.10	0.627	0.880	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 4	DSI3	56640	3690	20.63	22.00	1.371	62.9	1.006	0.03	0.582	0.803	
	LTE Band 48	20M	QPSK	100	0	Front	5mm	Ant 4	DSI3	55990	3625	20.67	22.00	1.358	62.9	1.006	0.14	0.635	0.868	
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 4	DSI3	55990	3625	20.71	22.00	1.346	62.9	1.006	-0.01	0.175	0.237	
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 4	DSI3	55990	3625	20.70	22.00	1.349	62.9	1.006	0.09	0.137	0.185	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	55990	3625	20.71	22.00	1.346	62.9	1.006	0.07	0.679	0.920	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	55340	3560	20.64	22.00	1.368	62.9	1.006	-0.04	0.647	0.890	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	55830	3609	20.67	22.00	1.358	62.9	1.006	0.06	0.604	0.825	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	56150	3641	20.59	22.00	1.384	62.9	1.006	0.06	0.639	0.889	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 4	DSI3	56640	3690	20.63	22.00	1.371	62.9	1.006	-0.06	0.592	0.816	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	55990	3625	20.70	22.00	1.349	62.9	1.006	-0.03	0.541	0.735	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	55340	3560	20.59	22.00	1.384	62.9	1.006	-0.03	0.549	0.764	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	55830	3609	20.61	22.00	1.377	62.9	1.006	0.06	0.578	0.800	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	56150	3641	20.55	22.00	1.396	62.9	1.006	0.03	0.524	0.736	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 4	DSI3	56640	3690	20.63	22.00	1.371	62.9	1.006	0.17	0.475	0.656	
	LTE Band 48	20M	QPSK	100	0	Back 1	5mm	Ant 4	DSI3	55990	3625	20.67	22.00	1.358	62.9	1.006	0.03	0.514	0.703	
	LTE Band 48	20M	QPSK	1	0	Front	10mm	Ant 4	DSI4	55990	3625	23.16	24.50	1.361	62.9	1.006	0.02	0.419	0.574	
	LTE Band 48	20M	QPSK	50	0	Front	10mm	Ant 4	DSI4	55990	3625	22.10	23.50	1.38	62.9	1.006	0.01	0.358	0.497	
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	55990	3625	23.16	24.50	1.361	62.9	1.006	0.13	0.543	0.743	
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	55340	3560	23.06	24.50	1.393	62.9	1.006	0.02	0.515	0.722	
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	55830	3609	23.11	24.50	1.377	62.9	1.006	-0.04	0.532	0.737	
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	56150	3641	22.97	24.50	1.422	62.9	1.006	0.05	0.524	0.750	
	LTE Band 48	20M	QPSK	1	0	Back	10mm	Ant 4	DSI4	56640	3690	23.02	24.50	1.406	62.9	1.006	0.01	0.531	0.751	
	LTE Band 48	20M	QPSK	50	0	Back	10mm	Ant 4	DSI4	55990	3625	22.10	23.50	1						



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	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 5	DSI4	56640	3690	19.56	21.00	1.393	62.9	1.006	-0.01	0.358	0.502	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	55990	3625	19.60	21.00	1.38	62.9	1.006	0.09	0.458	0.636	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	55340	3560	19.58	21.00	1.387	62.9	1.006	-0.05	0.439	0.613	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	55830	3609	19.59	21.00	1.384	62.9	1.006	0.00	0.449	0.625	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	56150	3641	19.57	21.00	1.39	62.9	1.006	-0.11	0.445	0.622	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 5	DSI4	56640	3690	19.56	21.00	1.393	62.9	1.006	-0.16	0.438	0.613	
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 5	DSI4	55990	3625	19.62	21.00	1.374	62.9	1.006	0.07	0.103	0.142	
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 5	DSI4	55990	3625	19.60	21.00	1.38	62.9	1.006	-0.00	0.102	0.141	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	55990	3625	19.62	21.00	1.374	62.9	1.006	0.04	0.595	0.822	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	55340	3560	19.60	21.00	1.38	62.9	1.006	-0.02	0.604	0.839	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	55830	3609	19.54	21.00	1.4	62.9	1.006	0.04	0.583	0.821	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	56150	3641	19.58	21.00	1.387	62.9	1.006	-0.05	0.554	0.773	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 5	DSI4	56640	3690	19.56	21.00	1.393	62.9	1.006	0.07	0.468	0.656	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	55990	3625	19.60	21.00	1.38	62.9	1.006	-0.05	0.562	0.781	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	55340	3560	19.58	21.00	1.387	62.9	1.006	0.11	0.427	0.596	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	55830	3609	19.59	21.00	1.384	62.9	1.006	0.09	0.510	0.710	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	56150	3641	19.57	21.00	1.39	62.9	1.006	-0.09	0.557	0.779	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 5	DSI4	56640	3690	19.56	21.00	1.393	62.9	1.006	0.07	0.524	0.735	
	LTE Band 48	20M	QPSK	100	0	Back 1	5mm	Ant 5	DSI4	55990	3625	19.56	21.00	1.393	62.9	1.006	-0.01	0.543	0.761	
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 10	DSI 4	55990	3625	19.20	20.50	1.349	62.9	1.006	-0.11	0.029	0.040	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 10	DSI 4	55990	3625	19.18	20.50	1.355	62.9	1.006	0.08	0.001	0.001	
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 10	DSI 4	55990	3625	19.20	20.50	1.349	62.9	1.006	-0.03	0.114	0.155	
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 10	DSI 4	55990	3625	19.18	20.50	1.355	62.9	1.006	-0.18	0.128	0.174	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 10	DSI 4	55990	3625	19.20	20.50	1.349	62.9	1.006	-0.04	0.530	0.719	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 10	DSI 4	55340	3560	19.08	20.50	1.387	62.9	1.006	-0.03	0.702	0.980	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 10	DSI 4	55830	3609	19.15	20.50	1.365	62.9	1.006	-0.10	0.568	0.780	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 10	DSI 4	56150	3641	19.13	20.50	1.371	62.9	1.006	0.03	0.518	0.714	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 10	DSI 4	56640	3690	19.17	20.50	1.358	62.9	1.006	-0.02	0.503	0.688	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 10	DSI 4	55990	3625	19.18	20.50	1.355	62.9	1.006	-0.02	0.544	0.741	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 10	DSI 4	55340	3560	19.02	20.50	1.406	62.9	1.006	-0.03	0.691	0.977	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 10	DSI 4	55830	3609	19.09	20.50	1.384	62.9	1.006	0.08	0.590	0.821	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 10	DSI 4	56150	3641	19.07	20.50	1.39	62.9	1.006	-0.06	0.524	0.733	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 10	DSI 4	56640	3690	19.05	20.50	1.396	62.9	1.006	0.02	0.540	0.759	
	LTE Band 48	20M	QPSK	100	0	Back 1	5mm	Ant 10	DSI 4	55990	3625	19.13	20.50	1.371	62.9	1.006	0.00	0.517	0.713	
	LTE Band 48	20M	QPSK	1	0	Front	5mm	Ant 19	DSI 4	55990	3625	19.93	21.20	1.34	62.9	1.006	-0.00	0.161	0.217	
	LTE Band 48	20M	QPSK	50	0	Front	5mm	Ant 19	DSI 4	55990	3625	19.85	21.20	1.365	62.9	1.006	-0.00	0.130	0.179	
	LTE Band 48	20M	QPSK	1	0	Back	5mm	Ant 19	DSI 4	55990	3625	19.93	21.20	1.34	62.9	1.006	-0.06	0.251	0.338	
	LTE Band 48	20M	QPSK	50	0	Back	5mm	Ant 19	DSI 4	55990	3625	19.85	21.20	1.365	62.9	1.006	0.12	0.205	0.282	
75	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 19	DSI 4	55990	3625	19.93	21.20	1.34	62.9	1.006	-0.08	0.806	1.087	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 19	DSI 4	55340	3560	19.82	21.20	1.374	62.9	1.006	-0.14	0.748	1.033	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 19	DSI 4	55830	3609	19.87	21.20	1.358	62.9	1.006	-0.17	0.722	0.986	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 19	DSI 4	56150	3641	19.84	21.20	1.368	62.9	1.006	-0.13	0.786	1.082	
	LTE Band 48	20M	QPSK	1	0	Back 1	5mm	Ant 19	DSI 4	56640	3690	19.86	21.20	1.361	62.9	1.006	-0.03	0.767	1.050	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 19	DSI 4	55990	3625	19.85	21.20	1.365	62.9	1.006	0.05	0.650	0.893	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 19	DSI 4	55340	3560	19.76	21.20	1.393	62.9	1.006	0.09	0.644	0.903	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 19	DSI 4	55830	3609	19.80	21.20	1.38	62.9	1.006	-0.17	0.676	0.938	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 19	DSI 4	56150	3641	19.73	21.20	1.403	62.9	1.006	0.16	0.642	0.906	
	LTE Band 48	20M	QPSK	50	0	Back 1	5mm	Ant 19	DSI 4	56640	3690	19.79	21.20	1.384	62.9	1.006	-0.12	0.611	0.851	
	LTE Band 48	20M	QPSK	100	0	Back 1	5mm	Ant 19	DSI 4	55990	3625	19.81	21.20	1.377	62.9	1.006	0.07	0.636	0.881	

【FR1 SAR】

Plot No	Band	BW	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Note1
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 4	DSI3	507000	2535	19.79	20.20	1.099			-0.15	0.659	0.724	
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 4	DSI3	507000	2535	19.75	20.20	1.109			0.01	0.732	0.812	
	FR1 n7	50M	BPSK	270	0	Front	5mm	Ant 4	DSI3	507000	2535	19.73	20.20	1.114			0.15	0.698	0.777	
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 4	DSI3	507000	2535	19.79	20.20	1.099			0.13	0.171	0.188	
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 4	DSI3	507000	2535	19.75	20.20	1.109			0.08	0.200	0.222	
	FR1 n7	50M	BPSK	1	1	Back 1	5mm	Ant 4	DSI3	507000	2535	19.79	20.20	1.099			-0.06	0.796	0.875	
	FR1 n7	50M	BPSK	135	68	Back 1	5mm	Ant 4	DSI3	507000	2535	19.75	20.20	1.109			-0.10	0.777	0.862	
	FR1 n7	50M	BPSK	270	0	Back 1	5mm	Ant 4	DSI3	507000	2535	19.73	20.20	1.114			-0.17	0.729	0.812	
	FR1 n7	50M	BPSK	1	1	Front	10mm	Ant 4	DSI4	507000	2535	23.77	24.20	1.104			0.07	0.560	0.619	
	FR1 n7	50M	BPSK	135	68	Front	10mm	Ant 4	DSI4	507000	2535	23.75	24.20	1.109			-0.15	0.555	0.615	
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 4	DSI4	507000	2535	23.77	24.20	1.104			-0.11	0.847	0.936	
	FR1 n7	50M	BPSK	135	68	Back	10mm	Ant 4	DSI4	507000	2535	23.75	24.20	1.109			0.09	0.868	0.963	
	FR1 n7	50M	BPSK	270	0	Back	10mm	Ant 4	DSI4	507000	2535	23.72	24.20	1.117			0.16	0.675	0.754	
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 5	DSI4	507000	2535	18.74	19.20	1.112			0.05	0.432	0.480	
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 5	DSI4	507000	2535	18.72	19.20	1.117			0.02	0.472	0.527	
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 5	DSI4	507000	2535	18.74	19.20	1.112			-0.05	0.145	0.161	
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 5	DSI4	507000	2535	18.72	19.20	1.117			0.01	0.147	0.164	
	FR1 n7	50M	BPSK	1	1	Back 1	5mm	Ant 5	DSI4	507000	2535	18.74	19.20	1.112			0.06	0.410	0.456	
	FR1 n7	50M	BPSK	135	68	Back 1	5mm	Ant 5	DSI4	507000	2535	18.72	19.20	1.117			-0.09	0.440	0.491	



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	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	507000	2535	21.78	22.50	1.18			-0.01	0.619	0.730	
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 6	DSI 3	507000	2535	21.75	22.50	1.189			0.14	0.561	0.667	
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 6	DSI 3	507000	2535	21.78	22.50	1.18			0.13	0.686	0.810	
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 6	DSI 3	507000	2535	21.75	22.50	1.189			-0.00	0.664	0.789	
	FR1 n7	50M	BPSK	270	0	Back	5mm	Ant 6	DSI 3	507000	2535	21.70	22.50	1.202			0.05	0.657	0.790	
	FR1 n7	50M	BPSK	1	1	Back 1	5mm	Ant 6	DSI 3	507000	2535	21.78	22.50	1.18			-0.16	0.723	0.853	
	FR1 n7	50M	BPSK	135	68	Back 1	5mm	Ant 6	DSI 3	507000	2535	21.75	22.50	1.189			0.01	0.726	0.863	
	FR1 n7	50M	BPSK	270	0	Back 1	5mm	Ant 6	DSI 3	507000	2535	21.70	22.50	1.202			0.02	0.711	0.855	
	FR1 n7	50M	BPSK	1	1	Front	10mm	Ant 6	DSI 4	507000	2535	25.21	25.50	1.069			-0.01	0.418	0.447	
	FR1 n7	50M	BPSK	135	68	Front	10mm	Ant 6	DSI 4	507000	2535	25.10	25.50	1.096			-0.07	0.419	0.459	
	FR1 n7	50M	BPSK	1	1	Back	10mm	Ant 6	DSI 4	507000	2535	25.21	25.50	1.069			-0.16	0.547	0.584	
	FR1 n7	50M	BPSK	135	68	Back	10mm	Ant 6	DSI 4	507000	2535	25.10	25.50	1.096			0.10	0.522	0.572	
	FR1 n7	50M	BPSK	1	1	Front	5mm	Ant 7	DSI 4	507000	2535	19.71	21.00	1.346			-0.16	0.440	0.592	
	FR1 n7	50M	BPSK	135	68	Front	5mm	Ant 7	DSI 4	507000	2535	19.67	21.00	1.358			0.17	0.627	0.851	
	FR1 n7	50M	BPSK	270	0	Front	5mm	Ant 7	DSI 4	507000	2535	19.65	21.00	1.365			-0.03	0.557	0.760	
	FR1 n7	50M	BPSK	1	1	Back	5mm	Ant 7	DSI 4	507000	2535	19.71	21.00	1.346			0.16	0.164	0.221	
	FR1 n7	50M	BPSK	135	68	Back	5mm	Ant 7	DSI 4	507000	2535	19.67	21.00	1.358			0.04	0.256	0.348	
	FR1 n7	50M	BPSK	1	1	Back 1	5mm	Ant 7	DSI 4	507000	2535	19.71	21.00	1.346			-0.03	0.647	0.871	
76	FR1 n7	50M	BPSK	135	68	Back 1	5mm	Ant 7	DSI 4	507000	2535	19.67	21.00	1.358			-0.15	0.803	1.090	
	FR1 n7	50M	BPSK	270	0	Back 1	5mm	Ant 7	DSI 4	507000	2535	19.65	21.00	1.365			-0.07	0.772	1.054	
	FR1 n12	15M	BPSK	1	1	Front	5mm	Ant 0	DSI3	141500	707.5	24.66	25.20	1.132			-0.04	0.408	0.462	
	FR1 n12	15M	BPSK	36	22	Front	5mm	Ant 0	DSI3	141500	707.5	24.63	25.20	1.14			0.16	0.457	0.521	
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 0	DSI3	141500	707.5	24.66	25.20	1.132			-0.08	0.441	0.500	
	FR1 n12	15M	BPSK	36	22	Back	5mm	Ant 0	DSI3	141500	707.5	24.63	25.20	1.14			-0.08	0.469	0.535	
	FR1 n12	15M	BPSK	1	1	Back 1	5mm	Ant 0	DSI3	141500	707.5	24.66	25.20	1.132			0.04	0.485	0.549	
	FR1 n12	15M	BPSK	36	22	Back 1	5mm	Ant 0	DSI3	141500	707.5	24.63	25.20	1.14			0.10	0.529	0.603	
	FR1 n12	15M	BPSK	1	1	Front	10mm	Ant 0	DSI4	141500	707.5	25.12	25.70	1.143			0.12	0.258	0.295	
	FR1 n12	15M	BPSK	36	22	Front	10mm	Ant 0	DSI4	141500	707.5	25.10	25.70	1.148			-0.16	0.264	0.303	
	FR1 n12	15M	BPSK	1	1	Back	10mm	Ant 0	DSI4	141500	707.5	25.12	25.70	1.143			-0.05	0.265	0.303	
	FR1 n12	15M	BPSK	36	22	Back	10mm	Ant 0	DSI4	141500	707.5	25.10	25.70	1.148			-0.04	0.269	0.309	
	FR1 n12	15M	BPSK	1	1	Front	5mm	Ant 1	DSI4	141500	707.5	20.70	22.20	1.413			0.05	0.696	0.983	
	FR1 n12	15M	BPSK	36	22	Front	5mm	Ant 1	DSI4	141500	707.5	20.68	22.20	1.419			-0.05	0.715	1.014	
	FR1 n12	15M	BPSK	75	0	Front	5mm	Ant 1	DSI4	141500	707.5	20.67	22.20	1.422			-0.17	0.675	0.960	
	FR1 n12	15M	BPSK	1	1	Back	5mm	Ant 1	DSI4	141500	707.5	20.70	22.20	1.413			-0.12	0.409	0.578	
	FR1 n12	15M	BPSK	36	22	Back	5mm	Ant 1	DSI4	141500	707.5	20.68	22.20	1.419			-0.02	0.390	0.553	
77	FR1 n12	15M	BPSK	1	1	Back 1	5mm	Ant 1	DSI4	141500	707.5	20.70	22.20	1.413			-0.06	0.752	1.063	
	FR1 n12	15M	BPSK	36	22	Back 1	5mm	Ant 1	DSI4	141500	707.5	20.68	22.20	1.419			0.07	0.748	1.061	
	FR1 n12	15M	BPSK	75	0	Back 1	5mm	Ant 1	DSI4	141500	707.5	20.67	22.20	1.422			0.09	0.727	1.034	
	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 4	DSI3	376500	1882.5	21.17	21.70	1.13			0.13	0.716	0.809	
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 4	DSI3	376500	1882.5	21.15	21.70	1.135			0.03	0.776	0.880	
	FR1 n25	40M	BPSK	216	0	Front	5mm	Ant 4	DSI3	376500	1882.5	21.13	21.70	1.14			-0.08	0.702	0.800	
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 4	DSI3	376500	1882.5	21.17	21.70	1.13			-0.14	0.291	0.329	
	FR1 n25	40M	BPSK	108	54	Back	5mm	Ant 4	DSI3	376500	1882.5	21.15	21.70	1.135			-0.04	0.300	0.341	
	FR1 n25	40M	BPSK	1	1	Back 1	5mm	Ant 4	DSI3	376500	1882.5	21.17	21.70	1.13			-0.09	0.881	0.995	
	FR1 n25	40M	BPSK	108	54	Back 1	5mm	Ant 4	DSI3	376500	1882.5	21.15	21.70	1.135			0.01	0.885	1.004	
	FR1 n25	40M	BPSK	216	0	Back 1	5mm	Ant 4	DSI3	376500	1882.5	21.13	21.70	1.14			-0.12	0.839	0.957	
	FR1 n25	40M	BPSK	1	1	Front	10mm	Ant 4	DSI4	376500	1882.5	23.68	24.20	1.127			0.04	0.613	0.691	
	FR1 n25	40M	BPSK	108	54	Front	10mm	Ant 4	DSI4	376500	1882.5	23.65	24.20	1.135			-0.07	0.632	0.717	
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 4	DSI4	376500	1882.5	23.68	24.20	1.127			-0.16	0.862	0.971	
	FR1 n25	40M	BPSK	108	54	Back	10mm	Ant 4	DSI4	376500	1882.5	23.65	24.20	1.135			0.03	0.878	0.997	
	FR1 n25	40M	BPSK	216	0	Back	10mm	Ant 4	DSI4	376500	1882.5	23.63	24.20	1.14			0.02	0.690	0.787	
	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 5	DSI4	376500	1882.5	18.73	19.20	1.114			-0.12	0.749	0.834	
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 5	DSI4	376500	1882.5	18.72	19.20	1.117			0.05	0.744	0.831	
	FR1 n25	40M	BPSK	216	0	Front	5mm	Ant 5	DSI4	376500	1882.5	18.71	19.20	1.119			0.02	0.731	0.818	
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 5	DSI4	376500	1882.5	18.73	19.20	1.114			-0.09	0.254	0.283	
	FR1 n25	40M	BPSK	108	54	Back	5mm	Ant 5	DSI4	376500	1882.5	18.72	19.20	1.117			0.03	0.267	0.298	
	FR1 n25	40M	BPSK	1	1	Back 1	5mm	Ant 5	DSI4	376500	1882.5	18.73	19.20	1.114			0.02	0.877	0.977	
	FR1 n25	40M	BPSK	108	54	Back 1	5mm	Ant 5	DSI4	376500	1882.5	18.72	19.20	1.117			-0.03	0.902	1.008	
	FR1 n25	40M	BPSK	216	0	Back 1	5mm	Ant 5	DSI4	376500	1882.5	18.71	19.20	1.119			0.03	0.864	0.967	
	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	376500	1882.5	19.73	20.20	1.114			-0.03	0.538	0.599	
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 6	DSI 3	376500	1882.5	19.71	20.20	1.119			-0.15	0.584	0.653	
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 6	DSI 3	376500	1882.5	19.73	20.20	1.114			-0.15	0.715	0.797	
	FR1 n25	40M	BPSK	108	54	Back	5mm	Ant 6	DSI 3	376500	1882.5	19.71	20.20	1.119			0.06	0.718	0.803	
	FR1 n25	40M	BPSK	216	0	Back	5mm	Ant 6	DSI 3	376500	1882.5	19.68	20.20	1.127			-0.05	0.669	0.753	
	FR1 n25	40M	BPSK	1	1	Back 1	5mm	Ant 6	DSI 3	376500	1882.5	19.73	20.20	1.114			-0.07	0.724	0.807	
	FR1 n25	40M	BPSK	108	54	Back 1	5mm	Ant 6	DSI 3	376500	1882.5	19.71	20.20	1.119			0.12	0.655	0.733	
	FR1 n25	40M	BPSK	216	0	Back 1	5mm	Ant 6	DSI 3	376500	1882.5	19.68	20.20	1.127			0.17	0.591	0.666	
	FR1 n25	40M	BPSK	1	1	Front	10mm	Ant 6	DSI 4	376500	1882.5	24.69	25.20	1.125			0.06	0.769	0.865	
	FR1 n25	40M	BPSK	108	54	Front	10mm	Ant 6	DSI 4	376500	1882.5	24.68	25.20	1.127			0.12	0.802	0.904	
	FR1 n25	40M	BPSK	216	0	Front	10mm	Ant 6	DSI 4	376500	1882.5	24.67	25.20	1.13			0.04	0.571	0.645	
	FR1 n25	40M	BPSK	1	1	Back	10mm	Ant 6	DSI 4	376500	1882.5	24.69	25.20	1.125			-0.03	0.874	0.983	
78	FR1 n25	40M	BPSK	108	54	Back	10mm	Ant 6	DSI 4	376500	1882.5	24.68	25.20	1.127			-0.07	0.910	1.026	
	FR1 n25	40M	BPSK	216	0	Back	10mm	Ant 6	DSI 4	376500	1882.5	24.6								



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	FR1 n25	40M	BPSK	1	1	Front	5mm	Ant 7	DSI 4	376500	1882.5	19.89	21.20	1.352			0.01	0.634	0.857	
	FR1 n25	40M	BPSK	108	54	Front	5mm	Ant 7	DSI 4	376500	1882.5	19.87	21.20	1.358			0.16	0.679	0.922	
	FR1 n25	40M	BPSK	216	0	Front	5mm	Ant 7	DSI 4	376500	1882.5	19.85	21.20	1.365			-0.12	0.670	0.915	
	FR1 n25	40M	BPSK	1	1	Back	5mm	Ant 7	DSI 4	376500	1882.5	19.89	21.20	1.352			-0.10	0.247	0.334	
	FR1 n25	40M	BPSK	108	54	Back	5mm	Ant 7	DSI 4	376500	1882.5	19.87	21.20	1.358			0.03	0.256	0.348	
	FR1 n25	40M	BPSK	1	1	Back 1	5mm	Ant 7	DSI 4	376500	1882.5	19.89	21.20	1.352			0.18	0.700	0.946	
	FR1 n25	40M	BPSK	108	54	Back 1	5mm	Ant 7	DSI 4	376500	1882.5	19.87	21.20	1.358			-0.05	0.723	0.982	
	FR1 n25	40M	BPSK	216	0	Back 1	5mm	Ant 7	DSI 4	376500	1882.5	19.85	21.20	1.365			-0.02	0.704	0.962	
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 0	DSI3	166300	831.5	24.17	24.70	1.13			-0.09	0.448	0.507	
	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 0	DSI3	166300	831.5	24.16	24.70	1.132			-0.11	0.488	0.552	
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 0	DSI3	166300	831.5	24.17	24.70	1.13			0.09	0.504	0.570	
	FR1 n26	20M	BPSK	50	28	Back	5mm	Ant 0	DSI3	166300	831.5	24.16	24.70	1.132			0.10	0.555	0.629	
	FR1 n26	20M	BPSK	1	1	Back 1	5mm	Ant 0	DSI3	166300	831.5	24.17	24.70	1.13			-0.16	0.587	0.663	
	FR1 n26	20M	BPSK	50	28	Back 1	5mm	Ant 0	DSI3	166300	831.5	24.16	24.70	1.132			-0.14	0.636	0.720	
	FR1 n26	20M	BPSK	1	1	Front	10mm	Ant 0	DSI4	166300	831.5	25.23	25.70	1.114			0.03	0.272	0.303	
	FR1 n26	20M	BPSK	50	28	Front	10mm	Ant 0	DSI4	166300	831.5	25.16	25.70	1.132			-0.08	0.283	0.320	
	FR1 n26	20M	BPSK	1	1	Back	10mm	Ant 0	DSI4	166300	831.5	25.23	25.70	1.114			-0.17	0.361	0.402	
	FR1 n26	20M	BPSK	50	28	Back	10mm	Ant 0	DSI4	166300	831.5	25.16	25.70	1.132			-0.08	0.398	0.451	
	FR1 n26	20M	BPSK	1	1	Front	5mm	Ant 1	DSI4	166300	831.5	21.05	22.20	1.303			0.08	0.688	0.897	
	FR1 n26	20M	BPSK	50	28	Front	5mm	Ant 1	DSI4	166300	831.5	21.03	22.20	1.309			-0.03	0.698	0.914	
	FR1 n26	20M	BPSK	100	0	Front	5mm	Ant 1	DSI4	166300	831.5	21.01	22.20	1.315			-0.03	0.676	0.889	
	FR1 n26	20M	BPSK	1	1	Back	5mm	Ant 1	DSI4	166300	831.5	21.05	22.20	1.303			-0.10	0.437	0.569	
	FR1 n26	20M	BPSK	50	28	Back	5mm	Ant 1	DSI4	166300	831.5	21.03	22.20	1.309			0.18	0.440	0.576	
	FR1 n26	20M	BPSK	1	1	Back 1	5mm	Ant 1	DSI4	166300	831.5	21.05	22.20	1.303			-0.08	0.754	0.982	
79	FR1 n26	20M	BPSK	50	28	Back 1	5mm	Ant 1	DSI4	166300	831.5	21.03	22.20	1.309			0.11	0.776	1.016	
	FR1 n26	20M	BPSK	100	0	Back 1	5mm	Ant 1	DSI4	166300	831.5	21.01	22.20	1.315			-0.07	0.762	1.001	
	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 4	DSI3	349000	1745	21.25	21.70	1.109			0.03	0.753	0.835	
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 4	DSI3	349000	1745	21.24	21.70	1.112			0.16	0.816	0.907	
	FR1 n66	45M	BPSK	240	0	Front	5mm	Ant 4	DSI3	349000	1745	21.22	21.70	1.117			0.01	0.801	0.894	
	FR1 n66	45M	BPSK	1	1	Back	5mm	Ant 4	DSI3	349000	1745	21.25	21.70	1.109			0.18	0.308	0.341	
	FR1 n66	45M	BPSK	120	60	Back	5mm	Ant 4	DSI3	349000	1745	21.24	21.70	1.112			0.03	0.309	0.343	
	FR1 n66	45M	BPSK	1	1	Back 1	5mm	Ant 4	DSI3	349000	1745	21.25	21.70	1.109			-0.01	0.880	0.976	
	FR1 n66	45M	BPSK	120	60	Back 1	5mm	Ant 4	DSI3	349000	1745	21.24	21.70	1.112			-0.18	0.925	1.029	
	FR1 n66	45M	BPSK	240	0	Back 1	5mm	Ant 4	DSI3	349000	1745	21.22	21.70	1.117			0.16	0.915	1.022	
	FR1 n66	45M	BPSK	1	1	Front	10mm	Ant 4	DSI4	349000	1745	24.65	25.20	1.135			0.00	0.495	0.562	
	FR1 n66	45M	BPSK	120	60	Front	10mm	Ant 4	DSI4	349000	1745	24.63	25.20	1.14			-0.04	0.540	0.615	
	FR1 n66	45M	BPSK	1	1	Back	10mm	Ant 4	DSI4	349000	1745	24.65	25.20	1.135			-0.08	0.837	0.951	
80	FR1 n66	45M	BPSK	120	60	Back	10mm	Ant 4	DSI4	349000	1745	24.63	25.20	1.14			0.01	0.918	1.047	
	FR1 n66	45M	BPSK	240	0	Back	10mm	Ant 4	DSI4	349000	1745	24.62	25.20	1.143			-0.17	0.733	0.838	
	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 5	DSI4	349000	1745	18.68	19.20	1.127			-0.10	0.671	0.756	
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 5	DSI4	349000	1745	18.65	19.20	1.135			-0.04	0.806	0.915	
	FR1 n66	45M	BPSK	240	0	Front	5mm	Ant 5	DSI4	349000	1745	18.63	19.20	1.14			-0.07	0.758	0.864	
	FR1 n66	45M	BPSK	1	1	Back	5mm	Ant 5	DSI4	349000	1745	18.68	19.20	1.127			-0.13	0.255	0.287	
	FR1 n66	45M	BPSK	120	60	Back	5mm	Ant 5	DSI4	349000	1745	18.65	19.20	1.135			0.12	0.274	0.310	
	FR1 n66	45M	BPSK	1	1	Back 1	5mm	Ant 5	DSI4	349000	1745	18.68	19.20	1.127			-0.16	0.824	0.929	
	FR1 n66	45M	BPSK	120	60	Back 1	5mm	Ant 5	DSI4	349000	1745	18.65	19.20	1.135			0.07	0.850	0.965	
	FR1 n66	45M	BPSK	240	0	Back 1	5mm	Ant 5	DSI4	349000	1745	18.63	19.20	1.14			0.04	0.895	1.020	
	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	349000	1745	20.21	20.70	1.119			-0.12	0.479	0.536	
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 6	DSI 3	349000	1745	20.20	20.70	1.122			-0.09	0.562	0.631	
	FR1 n66	45M	BPSK	1	1	Back	5mm	Ant 6	DSI 3	349000	1745	20.21	20.70	1.119			-0.11	0.652	0.730	
	FR1 n66	45M	BPSK	120	60	Back	5mm	Ant 6	DSI 3	349000	1745	20.20	20.70	1.122			0.01	0.647	0.726	
	FR1 n66	45M	BPSK	1	1	Back 1	5mm	Ant 6	DSI 3	349000	1745	20.21	20.70	1.119			0.18	0.618	0.691	
	FR1 n66	45M	BPSK	120	60	Back 1	5mm	Ant 6	DSI 3	349000	1745	20.20	20.70	1.122			-0.06	0.671	0.753	
	FR1 n66	45M	BPSK	1	1	Front	10mm	Ant 6	DSI 4	349000	1745	25.34	25.70	1.086			-0.09	0.669	0.727	
	FR1 n66	45M	BPSK	120	60	Front	10mm	Ant 6	DSI 4	349000	1745	25.32	25.70	1.091			-0.08	0.712	0.777	
	FR1 n66	45M	BPSK	1	1	Back	10mm	Ant 6	DSI 4	349000	1745	25.34	25.70	1.086			0.01	0.759	0.824	
	FR1 n66	45M	BPSK	120	60	Back	10mm	Ant 6	DSI 4	349000	1745	25.32	25.70	1.091			-0.08	0.859	0.937	
	FR1 n66	45M	BPSK	240	0	Back	10mm	Ant 6	DSI 4	349000	1745	24.90	25.20	1.072			-0.07	0.679	0.728	
	FR1 n66	45M	BPSK	1	1	Front	5mm	Ant 7	DSI 4	349000	1745	19.88	21.20	1.355			0.09	0.620	0.840	
	FR1 n66	45M	BPSK	120	60	Front	5mm	Ant 7	DSI 4	349000	1745	19.86	21.20	1.361			-0.05	0.675	0.919	
	FR1 n66	45M	BPSK	240	0	Front	5mm	Ant 7	DSI 4	349000	1745	19.82	21.20	1.374			0.16	0.686	0.943	
	FR1 n66	45M	BPSK	1	1	Back	5mm	Ant 7	DSI 4	349000	1745	19.88	21.20	1.355			-0.06	0.250	0.339	
	FR1 n66	45M	BPSK	120	60	Back	5mm	Ant 7	DSI 4	349000	1745	19.86	21.20	1.361			0.00	0.258	0.352	
	FR1 n66	45M	BPSK	1	1	Back 1	5mm	Ant 7	DSI 4	349000	1745	19.88	21.20	1.355			-0.11	0.727	0.986	
	FR1 n66	45M	BPSK	120	60	Back 1	5mm	Ant 7	DSI 4	349000	1745	19.86	21.20	1.361			-0.04	0.731	0.995	
	FR1 n66	45M	BPSK	240	0	Back 1	5mm	Ant 7	DSI 4	349000	1745	19.82	21.20	1.374			0.08	0.710	0.976	
	FR1 n71	35M	BPSK	1	1	Front	5mm	Ant 0	DSI3	136100	680.5	23.16	23.70	1.132			0.15	0.143	0.162	
	FR1 n71	35M	BPSK	90	45	Front	5mm	Ant 0	DSI3	136100	680.5	23.15	23.70	1.135			0.08	0.180	0.204	
	FR1 n71	35M	BPSK	1	1	Back	5mm	Ant 0	DSI3	136100	680.5	23.16	23.70	1.132			0.05	0.176	0.199	
	FR1 n71	35M	BPSK	90	45	Back	5mm	Ant 0	DSI3	136100	680.5	23.15	23.70	1.135			-0.15	0.190	0.216	
	FR1 n71	35M	BPSK	1	1	Back 1	5mm	Ant 0	DSI3	136100	680.5	23.16	23.70	1.132			0.14	0.171	0.194	
	FR1 n71	35M	BPSK	90	45	Back 1	5mm	Ant 0	DSI3	136100	680.5	23.15	23.70	1.135			0.01	0.218	0.247	
	FR1 n71	35M	BPSK	1	1	Front	10mm	Ant 0	DSI4	136100	680.5	25.13	25.70	1.14			-0.12			



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	FR1 n71	35M	BPSK	90	45	Front	10mm	Ant 0	DSI4	136100	680.5	25.07	25.70	1.156			0.16	0.157	0.181	
	FR1 n71	35M	BPSK	1	1	Back	10mm	Ant 0	DSI4	136100	680.5	25.13	25.70	1.14			0.03	0.126	0.144	
	FR1 n71	35M	BPSK	90	45	Back	10mm	Ant 0	DSI4	136100	680.5	25.07	25.70	1.156			0.07	0.182	0.210	
	FR1 n71	35M	BPSK	1	1	Front	5mm	Ant 1	DSI4	136100	680.5	21.81	22.60	1.199			-0.02	0.751	0.901	
	FR1 n71	35M	BPSK	90	45	Front	5mm	Ant 1	DSI4	136100	680.5	21.79	22.60	1.205			-0.11	0.657	0.792	
	FR1 n71	35M	BPSK	180	0	Front	5mm	Ant 1	DSI4	136100	680.5	21.76	22.60	1.213			-0.01	0.631	0.766	
	FR1 n71	35M	BPSK	1	1	Back	5mm	Ant 1	DSI4	136100	680.5	21.81	22.60	1.199			-0.15	0.449	0.538	
	FR1 n71	35M	BPSK	90	45	Back	5mm	Ant 1	DSI4	136100	680.5	21.79	22.60	1.205			0.18	0.414	0.499	
81	FR1 n71	35M	BPSK	1	1	Back 1	5mm	Ant 1	DSI4	136100	680.5	21.81	22.60	1.199			-0.03	0.844	1.012	
	FR1 n71	35M	BPSK	90	45	Back 1	5mm	Ant 1	DSI4	136100	680.5	21.79	22.60	1.205			0.10	0.703	0.847	
	FR1 n71	35M	BPSK	180	0	Back 1	5mm	Ant 1	DSI4	136100	680.5	21.76	22.60	1.213			-0.18	0.661	0.802	
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 4	DSI3	518598	2592.99	17.25	17.70	1.109			0.02	0.427	0.474	
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 4	DSI3	518598	2592.99	17.23	17.70	1.114			-0.08	0.432	0.481	
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 4	DSI3	518598	2592.99	17.25	17.70	1.109			0.16	0.113	0.125	
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 4	DSI3	518598	2592.99	17.23	17.70	1.114			-0.17	0.128	0.143	
	FR1 n41	100M	BPSK	1	1	Back 1	5mm	Ant 4	DSI3	518598	2592.99	17.25	17.70	1.109			0.08	0.414	0.459	
	FR1 n41	100M	BPSK	135	69	Back 1	5mm	Ant 4	DSI3	518598	2592.99	17.23	17.70	1.114			-0.04	0.442	0.492	
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 4	DSI4	518598	2592.99	23.23	23.70	1.114			0.02	0.521	0.580	
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 4	DSI4	518598	2592.99	23.21	23.70	1.119			-0.15	0.545	0.610	
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 4	DSI4	518598	2592.99	23.23	23.70	1.114			0.02	0.741	0.825	
	FR1 n41_HPUE	100M	BPSK	135	69	Back	10mm	Ant 4	DSI4	518598	2592.99	26.03	27.50	1.403	50.0	1.0	0.07	0.735	1.031	
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 4	DSI4	518598	2592.99	23.21	23.70	1.119			-0.03	0.851	0.952	
	FR1 n41	100M	BPSK	270	0	Back	10mm	Ant 4	DSI4	518598	2592.99	23.20	23.70	1.122			0.04	0.802	0.900	
	FR1 n41_HPUE	100M	BPSK	135	69	Back 1	5mm	Ant 4	DSI3	518598	2592.99	20.19	21.50	1.352	50.0	1.0	0.02	0.425	0.575	
	FR1 n41_HPUE	100M	BPSK	135	69	Back 1	5mm	Ant 4	DSI 3	518598	2592.99	19.73	21.40	1.469	50.0	1.0	0.05	0.320	0.470	Other PA
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 5	DSI4	518598	2592.99	18.76	19.20	1.107			-0.14	0.653	0.723	
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 5	DSI4	518598	2592.99	18.74	19.20	1.112			0.13	0.753	0.837	
	FR1 n41	100M	BPSK	270	0	Front	5mm	Ant 5	DSI4	518598	2592.99	18.69	19.20	1.125			0.08	0.725	0.816	
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 5	DSI4	518598	2592.99	18.76	19.20	1.107			-0.17	0.204	0.226	
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 5	DSI4	518598	2592.99	18.74	19.20	1.112			0.18	0.297	0.330	
	FR1 n41	100M	BPSK	1	1	Back 1	5mm	Ant 5	DSI4	518598	2592.99	18.76	19.20	1.107			0.03	0.645	0.714	
	FR1 n41	100M	BPSK	135	69	Back 1	5mm	Ant 5	DSI4	518598	2592.99	18.74	19.20	1.112			-0.18	0.775	0.862	
	FR1 n41	100M	BPSK	270	0	Back 1	5mm	Ant 5	DSI4	518598	2592.99	18.69	19.20	1.125			0.05	0.721	0.811	
	FR1 n41_HPUE	100M	BPSK	135	69	Back 1	5mm	Ant 5	DSI 4	518598	2592.99	18.83	20.40	1.435	50.0	1.0	0.04	0.642	0.921	Other PA
	FR1 n41_HPUE	100M	BPSK	135	69	Back 1	5mm	Ant 5	DSI4	518598	2592.99	21.67	23.00	1.358	50.0	1.0	0.03	0.775	1.052	
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 6	DSI 3	518598	2592.99	22.72	23.50	1.197			0.07	0.679	0.813	
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 6	DSI 3	518598	2592.99	22.69	23.50	1.205			0.13	0.630	0.759	
	FR1 n41	100M	BPSK	270	0	Front	5mm	Ant 6	DSI 3	518598	2592.99	22.65	23.50	1.216			-0.18	0.601	0.730	
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 6	DSI 3	518598	2592.99	22.72	23.50	1.197			-0.13	0.469	0.561	
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 6	DSI 3	518598	2592.99	22.69	23.50	1.205			0.19	0.415	0.500	
	FR1 n41	100M	BPSK	1	1	Back 1	5mm	Ant 6	DSI 3	518598	2592.99	22.72	23.50	1.197			-0.09	0.795	0.952	
	FR1 n41	100M	BPSK	135	69	Back 1	5mm	Ant 6	DSI 3	518598	2592.99	22.69	23.50	1.205			-0.08	0.691	0.833	
	FR1 n41	100M	BPSK	270	0	Back 1	5mm	Ant 6	DSI 3	518598	2592.99	22.65	23.50	1.216			-0.12	0.697	0.848	
	FR1 n41_HPUE	100M	BPSK	1	1	Back 1	5mm	Ant 6	DSI 3	518598	2592.99	25.65	27.00	1.365	50.0	1.0	0.08	0.740	1.010	
	FR1 n41	100M	BPSK	1	1	Front	10mm	Ant 6	DSI 4	518598	2592.99	25.27	26.00	1.183			-0.09	0.479	0.567	
	FR1 n41	100M	BPSK	135	69	Front	10mm	Ant 6	DSI 4	518598	2592.99	25.10	26.00	1.23			-0.13	0.450	0.554	
	FR1 n41	100M	BPSK	1	1	Back	10mm	Ant 6	DSI 4	518598	2592.99	25.27	26.00	1.183			0.17	0.601	0.711	
	FR1 n41	100M	BPSK	135	69	Back	10mm	Ant 6	DSI 4	518598	2592.99	25.10	26.00	1.23			0.06	0.518	0.637	
	FR1 n41_HPUE	100M	BPSK	1	1	Back	10mm	Ant 6	DSI 4	518598	2592.99	26.23	27.50	1.34	50.0	1.0	-0.07	0.402	0.539	
	FR1 n41	100M	BPSK	1	1	Front	5mm	Ant 7	DSI 4	518598	2592.99	20.19	21.60	1.384			0.16	0.570	0.789	
	FR1 n41	100M	BPSK	135	69	Front	5mm	Ant 7	DSI 4	518598	2592.99	20.16	21.60	1.393			-0.12	0.455	0.634	
	FR1 n41	100M	BPSK	1	1	Back	5mm	Ant 7	DSI 4	518598	2592.99	20.19	21.60	1.384			-0.18	0.106	0.147	
	FR1 n41	100M	BPSK	135	69	Back	5mm	Ant 7	DSI 4	518598	2592.99	20.16	21.60	1.393			0.10	0.119	0.166	
82	FR1 n41	100M	BPSK	1	1	Back 1	5mm	Ant 7	DSI 4	518598	2592.99	20.19	21.60	1.384			0.03	0.782	1.082	
	FR1 n41	100M	BPSK	135	69	Back 1	5mm	Ant 7	DSI 4	518598	2592.99	20.16	21.60	1.393			-0.15	0.751	1.046	
	FR1 n41	100M	BPSK	270	0	Back 1	5mm	Ant 7	DSI 4	518598	2592.99	20.15	21.60	1.396			0.11	0.760	1.061	
	FR1 n41_HPUE	100M	BPSK	1	1	Back 1	5mm	Ant 7	DSI 4	518598	2592.99	23.17	24.60	1.39	50.0	1.0	0.17	0.729	1.013	
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 4	DSI3	641666	3624.99	18.08	19.50	1.387			0.14	0.586	0.812	
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 4	DSI3	638000	3570	18.05	19.50	1.396			-0.15	0.706	0.986	
	FR1 n48	40M	BPSK	1	1	Front	5mm	Ant 4	DSI3	645332	3679.98	18.03	19.50	1.403			0.14	0.496	0.696	
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 4	DSI3	641666	3624.99	18.05	19.50	1.396			-0.19	0.607	0.847	
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 4	DSI3	638000	3570	17.99	19.50	1.416			0.02	0.638	0.903	
	FR1 n48	40M	BPSK	50	28	Front	5mm	Ant 4	DSI3	645332	3679.98	17.95	19.50	1.429			0.08	0.544	0.777	
	FR1 n48	40M	BPSK	100	0	Front	5mm	Ant 4	DSI3	641666	3624.99	17.98	19.50	1.419			0.17	0.596	0.846	
	FR1 n48	40M	BPSK	1	1	Back	5mm	Ant 4	DSI3	641666	3624.99	18.08	19.50	1.387			0.07	0.079	0.110	
	FR1 n48	40M	BPSK	50	28	Back	5mm	Ant 4	DSI3	641666	3624.99	18.05	19.50	1.396			-0.07	0.075	0.105	
	FR1 n48	40M	BPSK	1	1	Back 1	5mm	Ant 4	DSI3	641666	3624.99	18.08	19.50	1.387			0.03	0.431	0.598	
	FR1 n48	40M	BPSK	50	28	Back 1	5mm	Ant 4	DSI3	641666	3624.99	18.05	19.50	1.396			-0.07	0.430	0.600	
	FR1 n48	40M	BPSK	50	28	Back 1	5mm	Ant 4	DSI3	638000	3570	17.99	19.50	1.416			0.16	0.485	0.687	
	FR1 n48	40M	BPSK	50	28	Back 1	5mm	Ant 4	DSI3	645332	3679.98	17.95	19.50	1.429			0.15	0.381	0.545	
	FR1 n48	40M	BPSK	1	1	Front	10mm	Ant 4	DSI4	641666	3624.99	22.56	24.00	1.393			-0.05	0.724	1.008	
	FR1 n4																			