FCC 47 CFR Sec 2.1093
IEEE Std 1528-2013

RF EXPOSURE EVALUATION REPORT

FOR

Tablet + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be and Digitizer

MODEL NUMBER: SM-X940

FCC ID: A3LSMX940

REPORT NUMBER: S-4792232056-S1V4

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Prepared for
SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Prepared by
UL Korea, Ltd.
26th floor, 152, Teheran-ro, Gangnam-gu Seoul, 06236, Korea

Suwon Test Site: UL Korea, Ltd. Suwon Laboratory
218 Maeyeong-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16675, Korea
TEL: (031) 337-9902
FAX: (031) 213-5433

Testing Laboratory

TL-637

Revision History

Rev.	Date	Revisions	Revised By
V1	2026-06-30	Initial Issue	--
V2	2026-07-07	Revised Sec 1.1 Revised Sec 10.4	Taehun Kim
V3	2026-07-15	Revised Sec 6.3 Revised Sec 14.1	Taehun Kim
V4	2026-07-22	Corrected typo in Section 10.1 Corrected typo in Section 10.4	Taehun Kim

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1. Attestation of test results

Applicant Name		SAMSUNG ELECTRONICS CO.,LTD.			
FCC ID		A3LSMX940			
Model Number		SM-X940			
Applicable Standards		FCC 47 CFR Sec 2.1093, IEEE Std 1528: 2013 & Published RF exposure KDB procedures			
Exposure Category		SAR Limits (W/kg)		Power Density Limits (mW/cm^2)	
		1g-SAR	10g-SAR	Incident PD(IPD)	Absorbed PD(APD)
General population / Uncontrolled exposure		1.6	4.0	1.0	-
RF Exposure Conditions		Equipment Class - The Highest Reported SAR/IPD/APD			
		SAR (W/kg)	IPD (mW/cm^2)	APD (mW/cm^2)	
Tablet	Standalone	**1.05**	**0.41**	**0.37**	
RF Exposure Conditions		Simultaneous Tx SAR results (W/kg)			
Tablet	Standalone	**1.48**			
RF Exposure Conditions (SAR)		Standalone			
SAR Test distance(mm)		**0**			
Date Tested		2026-06-08 to 2026-06-30			
Test Results		Pass			

UL Korea, Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Korea, Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Korea, Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Korea, Ltd. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released By:	Prepared By:
	
Justin Park Operations Leader UL Korea, Ltd. Suwon Laboratory	Taehun Kim Laboratory Engineer UL Korea, Ltd. Suwon Laboratory

1.1. The Highest Reported SAR/APD/IPD Results

Equipment Class	Band	Antenna	The Highest Reported SAR (W/kg) of RF Exposure Conditions
			Tablet Mode
			1-g of Tissue
			Body (Standalone) Exposure
DTS	2.4GHz WLAN		1.048
NII	5GHz WLAN		0.996
6CD	6GHz WLAN		0.735
DSS	Bluetooth		0.953

Equipment Class	Band	The Highest Reported APD/IPD (mW/cm^2) of RF exposure conditions	
		APD	IPD
		Body (Standalone) Exposure	
6CD/6VL	6GHz WLAN	0.366	0.414

Note(s):

The Highest Reported SAR/APD/IPD Results were listed for each RF exposure conditions for each supported bands based on Test results of Section.10 & 11 & 12.

2. Test Specification, Methods and Procedures

The tests documented in this report were performed in accordance with:

- FCC 47 CFR Sec 2.1093
- IEEE Std 1528: 2013
- IEC/IEEE 63195-1: 2022
- IEC 62479: 2010
- ANSI C63.26: 2015

And the following FCC Published RF exposure KDB procedures:

- 248227 D01 802.11 Wi-Fi SAR v02r02
- 388624 D02 Pre-Approval Guidace List v18r08 (APPENDIX OVER6G)
- 447498 D04 Interim General RF Exposure Guidance v01
- 616217 D04 SAR for laptop and tables v01r02
- 690783 D01 SAR Listings on Grants v01r03
- 865664 D01 SAR measurement 100 MHz to 6GHz v01r04
- 865664 D02 RF Exposure Reporting v01r02
- 971168 D01 Power Meas License Digital System v03r01
- 775926 D01 SAR Testing for Irregular Shaped Devices v01

In addition to the above, the following information was used:

- TCB workshop October, 2016; RF Exposure Procedures (DUT Holder Perturbations)
- TCB workshop April, 2019; RF Exposure Procedures (Tissue Simulating Liquids (TSL))
- TCB workshop October, 2024; RF Exposure Updates (RF Exposure Testing Near Complex Surfaces)
- SPEAG DASY8 Module mmWave Manual
- SPEAG DASY6 Application Note: Interim Procedures (Version 9.0) for Devices Operating 6-10GHz

3. Facilities and Accreditation

The test sites and measurement facilities used to collect data are located at

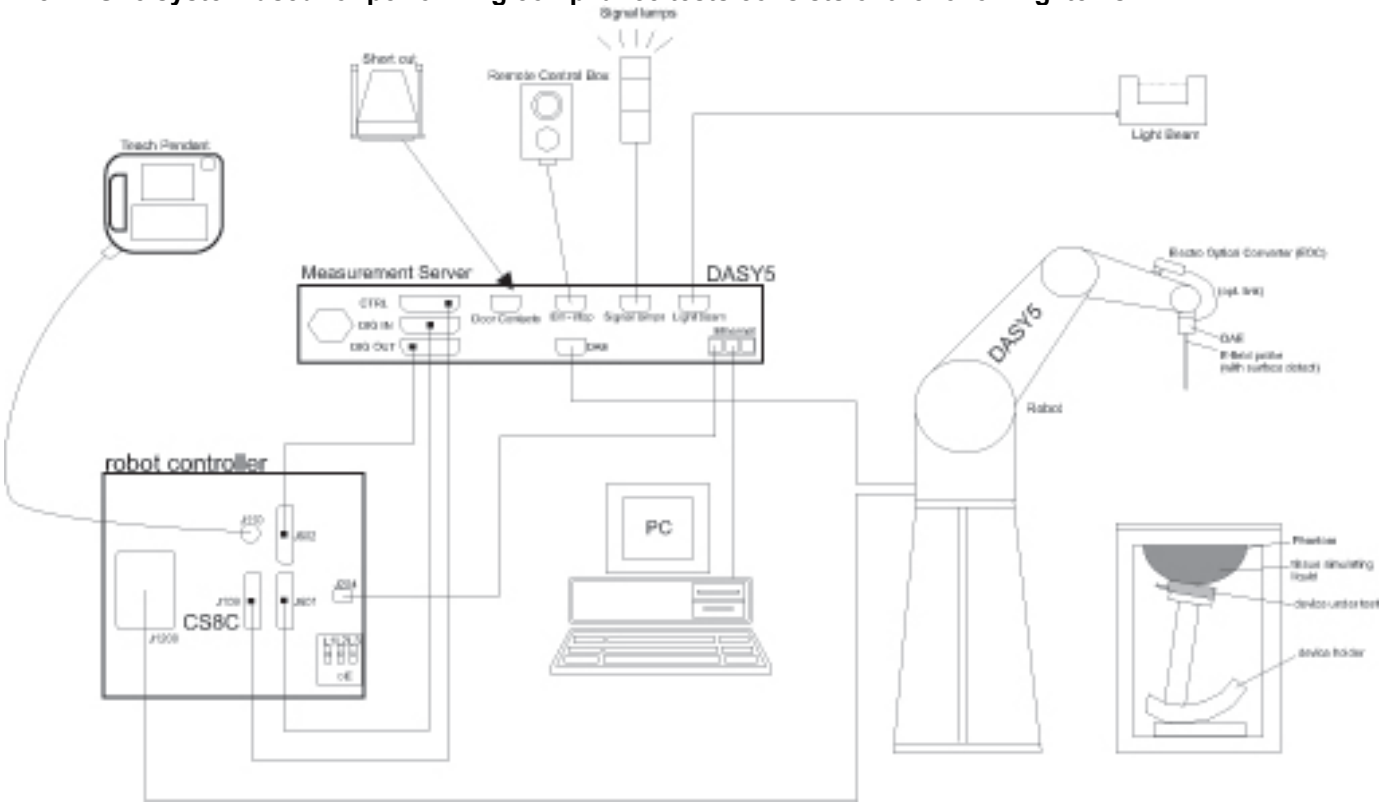
Suwon			
SAR 2 Room	SAR 3 Room	SAR 4 Room	SAR 6 Room
SAR 9 Room	SAR 10 Room		

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf.

4. Measurement System & Test Equipment

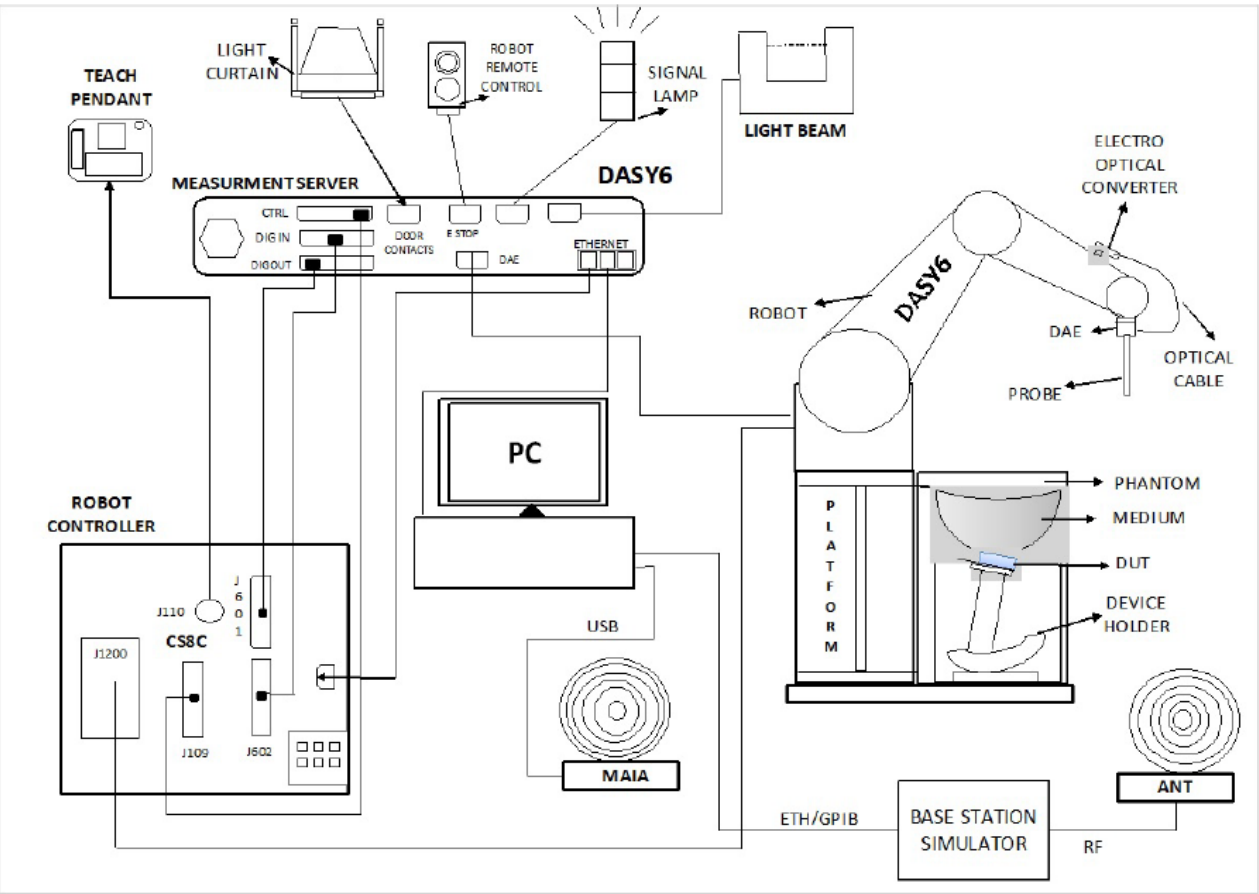
4.1. SAR Measurement System

The DASY5 system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win11 and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

The DASY6/8 system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win11 and the DASY6/8 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

4.1.1. SAR Scan Procedures

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. The minimum distance of probe sensors to surface is 1.4 mm. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

Step 2: Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE Standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan). If only one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of Zoom Scans has to be increased accordingly.

Area Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Area Scan Parameters extracted from IEC/IEEE 62209-1528 (below 100MHz, above 6GHz)

Parameter	DUT transmit frequency being tested	
	$f \leq 3$ GHz	3 GHz < $f \leq$ 10 GHz
Maximum distance between the measured points (geometric centre of the sensors) and the inner phantom surface (z_{M1} in Figure 20 in mm)	5 ± 1	δ ln(2)/2 ± 0,5 [a]
Maximum spacing between adjacent measured points in mm (see O.8.3.1)[b]	20, or half of the corresponding zoom scan length, whichever is smaller	60/f, or half of the corresponding zoom scan length, whichever is smaller
Maximum angle between the probe axis and the phantom surface normal (α in Figure 20)[c]	5° (flat phantom only) 30° (other phantoms)	5° (flat phantom only) 20° (other phantoms)
Tolerance in the probe angle	1°	1°

Step 3: Zoom Scan

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. The Zoom Scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1 g and 10 g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Zoom Scan Parameters extracted from IEC/IEEE 62209-1528 (below 100MHz, above 6GHz)

Parameter	DUT transmit frequency being tested	
	$f \leq 3$ GHz	3 GHz < $f \leq 10$ GHz
Maximum distance between the closest measured points and the phantom surface (z_{M1} in Figure 20 and Table 3, in mm)	5	δ ln(2)/2 [a]
Maximum angle between the probe axis and the phantom surface normal (α in Figure 20)	5° (flat phantom only) 30° (other phantoms)	5° (flat phantom only) 20° (other phantoms)
Maximum spacing between measured points in the x- and y-directions (Δx and Δy, in mm)	8	24 / f [b]
For uniform grids: Maximum spacing between measured points in the direction normal to the phantom shell (Δz_1 in Figure 20, in mm)	5	10 / (f − 1)
For graded grids: Maximum spacing between the two closest measured points in the direction normal to the phantom shell (Δz_1 in Figure 20, in mm)	4	12 / f
For graded grids: Maximum incremental increase in the spacing between measured points in the direction normal to the phantom shell ($R_z = \Delta z_2/\Delta z_1$ in Figure 20)	1,5	1,5
Minimum edge length of the zoom scan volume in the x- and y-directions (L_z in O.8.3.2, in mm)	30	22
Minimum edge length of the zoom scan volume in the direction normal to the phantom shell (L_h in O.8.3.2 in mm)	30	22
Tolerance in the probe angle	1°	1°

[a] δ is the penetration depth for a plane-wave incident normally on a planar half-space.

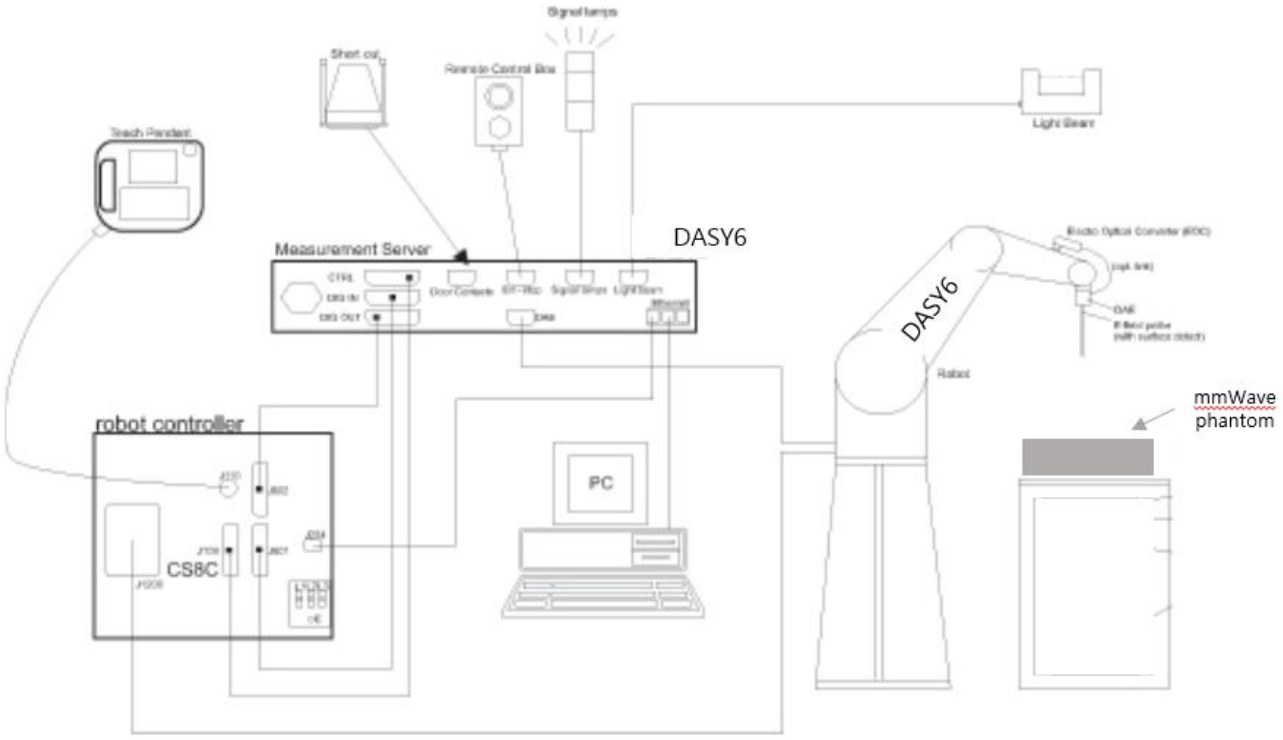
[b] This is the maximum spacing allowed, which might not work for all circumstances.

Step 4: Power drift measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

4.2. Incident Power Density (IPD) Measurement System

The DASY6 & 8 system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- The EUmmWVx probe is based on the pseudo-vector probe design, which not only measures the field magnitude but also derives its polarization ellipse.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win11 and the DASY6 or 8 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom which is specialized for 5G other accessories according to the targeted measurement.

4.2.1. Power Density Scan Procedures

Step 1: Power Reference Measurement
The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to devise under test.

Step 2: 5G Scan
The steps in the X, Y, and Z directions are specified in terms of fractions of the signal wavelength ,lambda.
Area Scan Parameters extracted from DASY6/8 Module mmWave Manual.

Recommended settings for measurement of verification sources

Frequency [GHz]	Grid step	Grid extent X/Y [mm]	Measurement points
10	0.125 ($\frac{\lambda}{8}$)	60/60	18 × 18
30	0.25 ($\frac{\lambda}{4}$)	60/60	26 × 26
45	0.25 ($\frac{\lambda}{4}$)	42/42	28 × 28
60	0.25 ($\frac{\lambda}{4}$)	32.5/32.5	28 × 28
90	0.25 ($\frac{\lambda}{4}$)	30/30	38 × 38

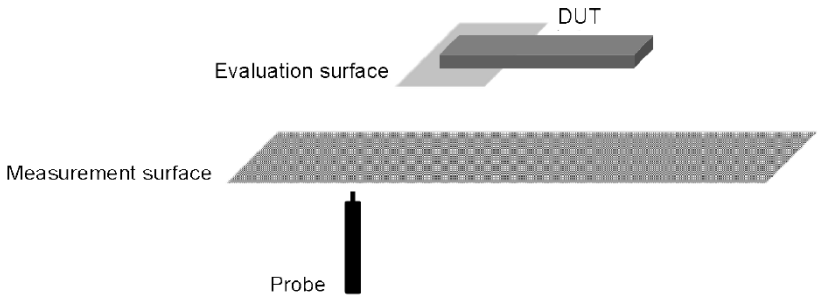
The minimum distance of probe sensors to verification source surface, horn antenna, is 10 mm.

Per equipment manufacturer guidance for 6 – 10GHz, DUT's Power density was measured at d=2mm.

Step 3: Power drift measurement
The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1. When the drift is larger than ± 5 %, test is repeated from step1.

4.2.2. Total Field and Power Flux Density Reconstruction (measurement distance)

Reconstruction algorithms are used to project or transform the measured fields from the measurement surface to the evaluation surface (below fig) in order to determine power density or to compute spatial-average and/or local power density with known uncertainty.
Manufacture has developed a reconstruction approach based on the Gerchberg-Saxton algorithm, which benefits from the availability of the E-field polarization ellipse information obtained with the EUmmWVx probe. This reconstruction algorithm, together with the ability of the probe to measure extremely close to the source without perturbing the field, permits reconstruction of the E- and H-fields, as well as of the power density, on measurement planes.



4.3. Test Equipment

The measuring equipment used to perform the tests documented in this report has been calibrated in accordance with the manufacturers' recommendations, and is traceable to recognized national standards.

Dielectric Property Measurements

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Network Analyzer	Agilent	E5071C	MY46522054	2026-07-22
Network Analyzer	ROHDE & SCHWARZ	ZNB 20	102256	2026-08-11
Dielectric Assessment Kit	SPEAG	DAK-3.5	1196	2027-05-11
Dielectric Assessment Kit	SPEAG	DAK-3.5	1046	2027-04-21
Shorting block	SPEAG	DAK-3.5 Short	SM DAK 200 BA	N/A
Thermometer	LKM	DTM3000	3851	2026-07-22
Thermometer	LKM	DTM3000	3862	2026-07-22

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Signal Generator	Keysight	N5181B	MY59100587	2026-07-22
Signal Generator	Keysight	N5173B	MY59101083	2026-07-22
Signal Generator	Keysight	E8257D	MY53400994	2026-07-21
Power Sensor	KEYSIGHT	U2000A	MY54260007	2026-07-23
Power Sensor	KEYSIGHT	U2000A	MY60180020	2026-07-23
Power Sensor	KEYSIGHT	U2000A	MY61060004	2026-07-23
Power Sensor	KEYSIGHT	U2000A	MY61010006	2026-07-23
Power Sensor	KEYSIGHT	U2000A	MY61010010	2026-07-23
Power Sensor	KEYSIGHT	U2000A	MY51240012	2026-12-30
Power Sensor	KEYSIGHT	U2000A	MY54430009	2026-12-30
Power Sensor	KEYSIGHT	U2004A USB Sensor	MY61200006	2026-12-30
Power Sensor	KEYSIGHT	U2004A USB Sensor	MY61280010	2026-12-30
Power Amplifier	EXODUS	AMP2027	10003	2026-12-30
Power Amplifier	EXODUS	AMP2027	10002	2026-07-24
Power Amplifier	Sambo	BA00T60W2D	S3010-0001	2026-12-30
Directional Coupler	Aglient	772D	MY52180193	2026-07-22
Directional Coupler	H.P	778D	16133	2026-07-22
Directional Coupler	KRYTAR	100318010	215541	2026-12-29
Directional Coupler	MINI-CIRCUITS	ZMDC-30-1+	SF569102123	2026-07-22
Low Pass Filter	MICROLAB	LA-60N	3942	2026-07-22
Low Pass Filter	MINI-CIRCUITS	VLF-3000+	32226	2026-12-29
Low Pass Filter	MINI-CIRCUITS	VLF-6000+	S0141	2026-07-22
Low Pass Filter	KRYTAR	WLKX10-11000-13640-21000-60TS	1	2026-07-23
Attenuator	KEYSIGHT	BW-N10W5+	N/A	2026-07-21
Attenuator	KEYSIGHT	BW-N20W5+	N/A	2026-07-21
Attenuator	KEYSIGHT	BW-S3W10+	N/A	2026-12-30
Attenuator	KEYSIGHT	BW-S3W10+	N/A	2026-12-30
Attenuator	KEYSIGHT	8491B003	MY39272275	2026-07-23
Attenuator	KEYSIGHT	8491B010	MY39272293	2026-07-23
Attenuator	KEYSIGHT	8491B010	MY39272306	2026-07-23
Attenuator	KEYSIGHT	8491B020	MY39272300	2026-07-23
Attenuator	KEYSIGHT	8491B/020	MY39272302	2026-07-23
Attenuator	KEYSIGHT	8491B/020	MY39271973	2026-07-23
E-Field Probe	SPEAG	EX3DV4	7330	2027-01-22
E-Field Probe	SPEAG	EX3DV4	7376	2026-07-29
E-Field Probe	SPEAG	EX3DV4	7545	2026-09-23
E-Field Probe	SPEAG	EX3DV4	7652	2027-05-19
E-Field Probe	SPEAG	EX3DV4	7646	2027-01-22
E-Field Probe	SPEAG	EX3DV4	7313	2026-10-29
5G Probe	SPEAG	EummWv4	9536	2027-02-16

Note(s):

1. All equipments were used until Cal. Due data.

SAR Test Equipment (Continued)

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Data Acquisition Electronics	SPEAG	DAE4	1468	2027-02-03
Data Acquisition Electronics	SPEAG	DAE4	1591	2027-02-13
Data Acquisition Electronics	SPEAG	DAE4	1667	2026-09-16
Data Acquisition Electronics	SPEAG	DAE4	1668	2026-09-17
Data Acquisition Electronics	SPEAG	DAE4	474	2026-11-20
System Validation Dipole	SPEAG	D2450V2	960	2027-03-10
System Validation Dipole	SPEAG	D2450V2	939	2026-07-10
System Validation Dipole	SPEAG	D5GHzV2	1209	2027-02-18
System Validation Dipole	SPEAG	D5GHzV2	1325	2027-04-16
System Validation Dipole	SPEAG	D6.5GHzV2	1005	2026-09-10
Verification kit	SPEAG	5G Verification source_10GHz	1022	2027-03-12
Thermometer	Lutron	MHB-382SD	AH.50215	2026-12-29
Thermometer	Lutron	MHB-382SD	AH.50213	2026-12-30
Thermometer	Lutron	MHB-382SD	AH.91463	2026-12-30
Thermometer	Lutron	MHB-382SD	AJ.45903	2026-12-29
Thermometer	Lutron	MHB-382SD	AJ.42446	2026-07-21
Thermometer	Lutron	MHB-382SD	AK.12102	2026-07-21

Others

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Spectrum Analyzer	ROHDE & SCHWARZ	Spectrum Rider FPH	103154	2026-12-30
Base Station Simulator	ROHDE & SCHWARZ	CMW500	150314	2026-07-22

Note(s):

1. For System Validation Dipole, Calibration interval applied every 2 years.
2. Refer to Appendix F that mentioned about justification for Extended SAR Dipole Calibrations. (for blue box items)
3. All equipments were used until Cal. Due data.

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5. Measurement Uncertainty

SAR Measurement Uncertainty of 100MHz to 6GHz

Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be ≤ 30%, for a confidence interval of k = 2. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval.

SAR Measurement Uncertainty of 6GHz to 10GHz

Measurement uncertainty for 6 GHz to 10 GHz
(According to IEEE 62209-1528)

a	b	c		d	e	f	g	h =	l =	k	Contributions (%)	
					f(d,k)			c×f/e	c×g/e			
Uncertainty component	Reference	Tol. 1 g (±%)	Tol. 10 g (±%)	Prob. Dist.	Div.	ci (1 g)	ci (10 g)	1 g ui (± %)	10 g ui (± %)	vi	1 g	10 g
Measurement System Errors												
Probe Calibration	8.4.1.1	18.6		Normal	2	1	1	9.3	9.3	∞	40.48	40.06
Probe Calibration Drift	8.4.1.2	1.7		Rectangular	1.732	1	1	1.0	1.0	∞	0.45	0.45
Probe Linearity	8.4.1.3	4.7		Rectangular	1.732	1	1	2.7	2.7	∞	3.45	3.41
Broadband Signal	8.4.1.4	2.8		Rectangular	1.732	1	1	1.6	1.6	∞	1.22	1.21
Probe Isotropy	8.4.1.5	7.6		Rectangular	1.732	1	1	4.4	4.4	∞	9.01	8.92
Data Acquisition	8.4.1.6	0.3		Normal	1	1	1	0.3	0.3	∞	0.03	0.03
RF Ambient	8.4.1.7	1.8		Normal	1	1	1	1.8	1.8	∞	1.52	1.50
Probe Positioning	8.4.1.8	0.005		Normal	1	0.50	0.50	0.25	0.25	∞	0.03	0.03
Data Processing	8.4.1.9	3.5		Normal	1	1	1	3.5	3.5	∞	5.73	5.67
Phantom and Device Errors												
Conductivity (meas.)DAK	8.4.2.1	2.5		Normal	1	0.78	0.71	2.0	1.8	∞	1.78	1.46
Conductivity (temp.)BB	8.4.2.2	2.4		Rectangular	1.732	0.78	0.71	1.1	1.0	∞	0.55	0.45
Phantom Permittivity	8.4.2.3	14.0		Rectangular	1.732	0	0	0.0	0.0	∞	0.00	0.00
Distance DUT -TSL	8.4.2.4	2.0		Normal	1	2	2	4.0	4.0	∞	7.49	7.41
Device Positioning	8.4.2.5	**4.0**	**4.5**	Normal	1	1	1	4.0	4.5	**50**	7.45	9.30
Device Holder	8.4.2.6	3.6		Normal	1	1	1	3.6	3.6	∞	6.07	6.00
DUT Modulation	8.4.2.7	2.4		Rectangular	1.732	1	1	1.4	1.4	∞	0.90	0.89
Time-average SAR	8.4.2.8	1.7		Rectangular	1.732	1	1	1.0	1.0	∞	0.45	0.45
DUT drift	8.4.2.9	5.0		Normal	1	1	1	5.0	5.0	∞	11.70	11.58
Correction to the SAR results												
Deviation to Target	8.4.3.1	1.9		Normal	1	1	0.84	1.9	1.6	∞	1.69	1.18
Combined Standard Uncertainty Uc(y) =				RSS				14.62	14.69			
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =								**29.23**	**29.39**			

APD Measurement Uncertainty of 6GHz to 10GHz

Uncertainty Budget for psSAR / psAPD Assessments
(Frequency band : 6 - 10GHz range)

Symbol	Error Description	Uncert.	Prob. Dist	Div.	ci (1g) / (1 cm2)	ci (8g/10g) / (4 cm2)	Std. Unc. (1 g) / (1 cm2)	Std. Unc. (8g/10g) / (4 cm2)
psSAR	Module SAR V16.2 (Table 6.3.3)	±14.2/14.1%	N	1	1	1	±14.2%	±14.1%
PDC	Power Density Conversion	±13.5%	R	1.732	1	1	±7.8%	±7.8%
u(ΔSAR)	Combined Uncertainty						±16.2%	±16.9%
U	**Expanded Uncertainty** in dB						±32.4% ±1.2dB	±32.2% ±1.2dB

IPD Measurement Uncertainty of 6GHz to 10GHz

Error Description	Uncertainty value (±dB)	Probe Dist.	Divisor	(Ci)	Std. Unc. (±dB)	(Vi)
Uncertainty terms dependent on the measurement system						
Calibration	**0.49**	Normal	1.00	1.00	0.49	Infinity
Probe correction	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Frequency response (BW =< 1 GHz)	**0.20**	Rectangular	1.73	1.00	0.12	Infinity
Sensor cross coupling	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Isotropy	**0.50**	Rectangular	1.73	1.00	0.29	Infinity
Linearity	**0.20**	Rectangular	1.73	1.00	0.12	Infinity
Probe scattering	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Probe positioning offset	**0.30**	Rectangular	1.73	1.00	0.17	Infinity
Probe positioning repeatability	**0.04**	Rectangular	1.73	1.00	0.02	Infinity
Sensor mechanical offset	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Probe spatial resolution	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Field impedance dependance	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Measurement drift	**0.05**	Rectangular	1.73	1.00	0.03	Infinity
Amplitude and phase noise	**0.04**	Rectangular	1.73	1.00	0.02	Infinity
Measurement area truncation	**0.10**	Rectangular	1.73	1.00	0.06	Infinity
Data acquisition	**0.03**	Normal	1.00	1.00	0.03	Infinity
Sampling	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Field reconstruction	**0.60**	Rectangular	1.73	1.00	0.35	Infinity
Signal-to-Noise Ratio	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
FTE/MEO	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Power density scaling	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Spatial averaging	**0.10**	Rectangular	1.73	1.00	0.06	Infinity
Uncertainty terms dependent on the DUT and environmental factors						
Probe coupling with DUT	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Modulation response	**0.40**	Rectangular	1.73	1.00	0.23	Infinity
Integration time	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Response time	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Device holder influence	**0.10**	Rectangular	1.73	1.00	0.06	Infinity
DUT alignment	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
RF ambient conditions	**0.04**	Rectangular	1.73	1.00	0.02	Infinity
Laboratory Temperature	**0.05**	Rectangular	1.73	1.00	0.03	Infinity
Laboratory Reflections	**0.04**	Rectangular	1.73	1.00	0.02	Infinity
Immunity / secondary reception	**0.00**	Rectangular	1.73	1.00	0.00	Infinity
Drift of the DUT	**0.20**	Rectangular	1.73	1.00	0.12	Infinity
Combined Std. Uncertainty					0.76	
Expanded Standard Uncertainty (95%)					**1.53**	

5.1. Decision Rule

Measurement Uncertainty is not applied when providing statements of conformity in accordance with IEC Guide 115:2023, 4.3.3.

6. Device Under Test (DUT) Information

6.1. DUT Description

Device Dimension	Refer to Appendix A.					
Back Cover	☒ The Back Cover is not removable.					
Battery Options	☒ The rechargeable battery is not user accessible					
Wi-Fi Direct	Wi-Fi Direct enabled devices transfer data directly between each other ☒ Wi-Fi Direct (Wi-Fi 2.4 GHz) ☒ Wi-Fi Direct (Wi-Fi 5.2 GHz_U-NII 1, Wi-Fi 5.8 GHz_U-NII 3)					
Test Sample Information	**No.**	**S/N**	**Notes**	**No.**	**S/N**	**Notes**
	1	R37L301JY7K	WLAN/BT Conduction			
	2	R37L301JXLA	WLAN/BT Conduction			
	3	R37L301JYBV	WLAN/BT Radiation			
	4	R37L301JXVW	WLAN/BT Radiation			

6.2. Wireless Technologies

Wireless technologies	Frequency bands	Operating mode	Duty Cycle used for SAR testing
Wi-Fi	2.4 GHz	802.11b/802.11g/802.11n (HT20)/802.11ac (VHT20)/802.11ax (HE20)/802.11be (EHT20)	98.6% (802.11b)
	5 GHz	802.11a/802.11n (HT20/HT40) 802.11ac (VHT20/VHT40/VHT80/VHT160) 802.11ax (HE20/HE40/HE80/HE160) 802.11be (EHT20/EHT40/EHT80/EHT160)	95.3 (802.11a SISO) 95.3 (802.11a MIMO) 98.1 (802.11ac(VHT80) SISO) 98.2 (802.11ac(VHT80) MIMO)
	6GHz (LPI/SP/VLP)	802.11a, 802.11ax (HE20/HE40/HE80/HE160) 802.11be (EHT20/EHT40/EHT80/EHT160/EHT320)	96.5% (802.11be (EHT320) SISO) 93.7% (802.11be (EHT320) MIMO)
	Does this device support bands 5.60 ~ 5.65 GHz? ☒ Yes ☐ No		
	Does this device support Band gap channel(s)? ☒ Yes ☐ No		
Bluetooth	2.4 GHz	Version 5.3+LE	76.4%(BT-BDR) 76.6%(BT-EDR) 97.2%(BLE-125kbps)

Notes:

1. Wi-Fi & Bluetooth were tested SAR using highest duty cycle. Measured duty cycle plots are in Section.9.

6.3. Maximum Allowed Output power

WLAN Bands Maximum Allowed Output Power

Maximum allowed output power means that target power + 1.0 dB device uncertainty

1. DTS and UNII supports SISO & MIMO mode
2. WLAN has support to RSDB operation. Detail of RSDB scenarios refer to Sec.12.
3. Each Antennas has same target power during MIMO mode (MIMO target power = SISO target power +3 dB)

Maximum Power

RF Air interface	Band	Maximum allowed output power (dBm) - Maximum													
		802.11 mode													
		SISO1(WIFI 0) & SISO2(WIFI 1)							MIMO						
		a	b	g	n	ac	ax(SU)	be(SU)	a	b	g	n	ac	ax(SU)	be(SU)
WiFi 2.4 GHz	DTS		19.0	18.0	18.0		18.0	18.0		22.0	21.0	21.0		21.0	21.0
WiFi 2.4 GHz	DTS (ch: 12)		9.0	9.0	9.0		9.0	9.0		12.0	12.0	12.0		12.0	12.0
WiFi 2.4 GHz	DTS (ch: 13)		3.0	3.0	3.0		3.0	3.0		6.0	6.0	6.0		6.0	6.0
WiFi 5 GHz (BW : 20MHz)	UNII-1	18.0			18.0	18.0	15.0	15.0	21.0			21.0	21.0	18.0	18.0
	UNII-2A	18.0			18.0	18.0	15.0	15.0	21.0			21.0	21.0	18.0	18.0
	UNII-2C	18.0			18.0	18.0	15.0	15.0	21.0			21.0	21.0	18.0	18.0
	UNII-3	18.0			18.0	18.0	15.0	15.0	21.0			21.0	21.0	18.0	18.0
	UNII-4	18.0			18.0	18.0	15.0	15.0	21.0			21.0	21.0	18.0	18.0
WiFi 5 GHz (BW : 40MHz)	UNII-1				17.0	17.0	15.0	15.0				20.0	20.0	18.0	18.0
	UNII-2A				17.0	17.0	15.0	15.0				20.0	20.0	18.0	18.0
	UNII-2C				17.0	17.0	15.0	15.0				20.0	20.0	18.0	18.0
	UNII-3				17.0	17.0	15.0	15.0				20.0	20.0	18.0	18.0
	UNII-4				17.0	17.0	15.0	15.0				20.0	20.0	18.0	18.0
WiFi 5 GHz (BW : 80MHz)	UNII-1					16.0	15.0	15.0					19.0	18.0	18.0
	UNII-2A					16.0	15.0	15.0					19.0	18.0	18.0
	UNII-2C					16.0	15.0	15.0					19.0	18.0	18.0
	UNII-3					16.0	15.0	15.0					19.0	18.0	18.0
	UNII-4					16.0	15.0	15.0					19.0	18.0	18.0
WiFi 5 GHz (BW : 160MHz)	UNII-1					15.0	14.0	14.0					18.0	17.0	17.0
	UNII-2A					15.0	14.0	14.0					18.0	17.0	17.0
	UNII-2C					13.0	12.0	12.0					16.0	15.0	15.0
	UNII-3					15.0	15.0	15.0					18.0	18.0	18.0
	UNII-4					15.0	15.0	15.0					18.0	18.0	18.0
WiFi 6 GHz_LPI (BW : 20MHz)	UNII-5	10.0					10.0	10.0	13.0					13.0	13.0
	UNII-6	10.0					10.0	10.0	13.0					13.0	13.0
	UNII-7	10.0					10.0	10.0	13.0					13.0	13.0
	UNII-8	10.0					10.0	10.0	13.0					13.0	13.0
WiFi 6 GHz_LPI (BW : 40MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-6						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
	UNII-8						10.0	10.0						13.0	13.0
WiFi 6 GHz_LPI (BW : 80MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-6						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
	UNII-8						10.0	10.0						13.0	13.0
WiFi 6 GHz_LPI (BW : 160MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-6						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
	UNII-8						10.0	10.0						13.0	13.0
WiFi 6 GHz_LPI (BW : 320MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-6						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
	UNII-8						10.0	10.0						13.0	13.0
WiFi 6 GHz_SP (BW : 20MHz)	UNII-5	10.0					10.0	10.0	13.0					13.0	13.0
	UNII-7	10.0					10.0	10.0	13.0					13.0	13.0
WiFi 6 GHz_SP (BW : 40MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
WiFi 6 GHz_SP (BW : 80MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
WiFi 6 GHz_SP (BW : 160MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
WiFi 6 GHz_SP (BW : 320MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
WiFi 6 GHz_VLP (BW : 20MHz)	UNII-5	6.0					6.0	6.0	9.0					9.0	9.0
	UNII-6	6.5					6.0	6.0	9.5					9.0	9.0
	UNII-7	9.0					9.0	9.0	12.0					12.0	12.0
	UNII-8	10.0					10.0	10.0	13.0					13.0	13.0
WiFi 6 GHz_VLP (BW : 40MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-6						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
	UNII-8						10.0	10.0						13.0	13.0
WiFi 6 GHz_VLP (BW : 80MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-6						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
	UNII-8						10.0	10.0						13.0	13.0
WiFi 6 GHz_VLP (BW : 160MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-6						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
	UNII-8						10.0	10.0						13.0	13.0
WiFi 6 GHz_VLP (BW : 320MHz)	UNII-5						10.0	10.0						13.0	13.0
	UNII-6						10.0	10.0						13.0	13.0
	UNII-7						10.0	10.0						13.0	13.0
	UNII-8						10.0	10.0						13.0	13.0

WLAN Bands Maximum Allowed Output Power (Continued)

Reduced Power (Grip Sensor)

RF Air interface	Band	Maximum allowed output power (dBm) - Reduced (Grip Sensor)													
		802.11 mode													
		SISO1(WiFi0) & SISO2(WiFi1)							MIMO						
		a	b	g	n	ac	ax(SU)	be(SU)	a	b	g	n	ac	ax(SU)	be(SU)
WiFi 2.4 GHz	DTS		12.5	12.5	12.5		12.5	12.5		15.5	15.5	15.5		15.5	15.5
WiFi 2.4 GHz	DTS (ch: 12)		9.0	9.0	9.0		9.0	9.0		10.0	10.0	10.0		10.0	9.6
WiFi 2.4 GHz	DTS (ch: 13)		3.0	3.0	3.0		3.0	3.0		4.8	4.8	4.8		4.8	5.1
WiFi 5 GHz (BW : 20MHz)	UNII-1	9.5			9.5	9.5	9.5	9.5	12.5			12.5	12.5	12.5	12.5
	UNII-2A	9.5			9.5	9.5	9.5	9.5	12.5			12.5	12.5	12.5	12.5
	UNII-2C	8.5			8.5	8.5	8.5	8.5	11.5			11.5	11.5	11.5	11.5
	UNII-3	8.5			8.5	8.5	8.5	8.5	11.5			11.5	11.5	11.5	11.5
	UNII-4	8.5			8.5	8.5	8.5	8.5	11.5			11.5	11.5	11.5	11.5
WiFi 5 GHz (BW : 40MHz)	UNII-1				9.5	9.5	9.5	9.5				12.5	12.5	12.5	12.5
	UNII-2A				9.5	9.5	9.5	9.5				12.5	12.5	12.5	12.5
	UNII-2C				8.5	8.5	8.5	8.5				11.5	11.5	11.5	11.5
	UNII-3				8.5	8.5	8.5	8.5				11.5	11.5	11.5	11.5
	UNII-4				8.5	8.5	8.5	8.5				11.5	11.5	11.5	11.5
WiFi 5 GHz (BW : 80MHz)	UNII-1					9.5	9.5	9.5					12.5	12.5	12.5
	UNII-2A					9.5	9.5	9.5					12.5	12.5	12.5
	UNII-2C					8.5	8.5	8.5					11.5	11.5	11.5
	UNII-3					8.5	8.5	8.5					11.5	11.5	11.5
	UNII-4					8.5	8.5	8.5					11.5	11.5	11.5
WiFi 5 GHz (BW : 160MHz)	UNII-1					9.5	9.5	9.5					12.5	12.5	12.5
	UNII-2A					9.5	9.5	9.5					12.5	12.5	12.5
	UNII-2C					8.5	8.5	8.5					11.5	11.5	11.5
	UNII-3, 4					8.5	8.5	8.5					11.5	11.5	11.5
WiFi 6 GHz_LPI (BW : 20MHz)	UNII-5	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-6	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-7	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-8	8.0					8.0	8.0	11.0					11.0	11.0
WiFi 6 GHz_LPI (BW : 40MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_LPI (BW : 80MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_LPI (BW : 160MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_LPI (BW : 320MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_SP (BW : 20MHz)	UNII-5	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-7	8.0					8.0	8.0	11.0					11.0	11.0
WiFi 6 GHz_SP (BW : 40MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
WiFi 6 GHz_SP (BW : 80MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
WiFi 6 GHz_SP (BW : 160MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
WiFi 6 GHz_SP (BW : 320MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
WiFi 6 GHz_VLP (BW : 20MHz)	UNII-5	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-6	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-7	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-8	8.0					8.0	8.0	11.0					11.0	11.0
WiFi 6 GHz_VLP (BW : 40MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_VLP (BW : 80MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_VLP (BW : 160MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_VLP (BW : 320MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0

WLAN Bands Maximum Allowed Output Power (Continued)

Reduced Power (RSDB)

RF Air interface	Band	Maximum allowed output power (dBm) - Reduced (RSDB)													
		802.11 mode													
		SISO1(WiFi0) & SISO2(WiFi1)							MIMO						
		a	b	g	n	ac	ax(SU)	be(SU)	a	b	g	n	ac	ax(SU)	be(SU)
WiFi 2.4 GHz	DTS		11.0	11.0	11.0		11.0	11.0		14.0	14.0	14.0		14.0	14.0
WiFi 2.4 GHz	DTS (ch: 12)		9.0	9.0	9.0		9.0	9.0		10.0	10.0	10.0		10.0	9.6
WiFi 2.4 GHz	DTS (ch: 13)		3.0	3.0	3.0		3.0	3.0		4.8	4.8	4.8		4.8	5.1
WiFi 5 GHz (BW : 20MHz)	UNII-1	7.0			7.0	7.0	7.0	7.0	10.0			10.0	10.0	10.0	10.0
	UNII-2A	7.0			7.0	7.0	7.0	7.0	10.0			10.0	10.0	10.0	10.0
	UNII-2C	7.0			7.0	7.0	7.0	7.0	10.0			10.0	10.0	10.0	10.0
	UNII-3	7.0			7.0	7.0	7.0	7.0	10.0			10.0	10.0	10.0	10.0
	UNII-4	7.0			7.0	7.0	7.0	7.0	10.0			10.0	10.0	10.0	10.0
WiFi 5 GHz (BW : 40MHz)	UNII-1				7.0	7.0	7.0	7.0				10.0	10.0	10.0	10.0
	UNII-2A				7.0	7.0	7.0	7.0				10.0	10.0	10.0	10.0
	UNII-2C				7.0	7.0	7.0	7.0				10.0	10.0	10.0	10.0
	UNII-3				7.0	7.0	7.0	7.0				10.0	10.0	10.0	10.0
	UNII-4				7.0	7.0	7.0	7.0				10.0	10.0	10.0	10.0
WiFi 5 GHz (BW : 80MHz)	UNII-1					7.0	7.0	7.0					10.0	10.0	10.0
	UNII-2A					7.0	7.0	7.0					10.0	10.0	10.0
	UNII-2C					7.0	7.0	7.0					10.0	10.0	10.0
	UNII-3					7.0	7.0	7.0					10.0	10.0	10.0
	UNII-4					7.0	7.0	7.0					10.0	10.0	10.0
WiFi 5 GHz (BW : 160MHz)	UNII-1					7.0	7.0	7.0					10.0	10.0	10.0
	UNII-2A					7.0	7.0	7.0					10.0	10.0	10.0
	UNII-2C					7.0	7.0	7.0					10.0	10.0	10.0
	UNII-3, 4					7.0	7.0	7.0					10.0	10.0	10.0
WiFi 6 GHz_LPI (BW : 20MHz)	UNII-5	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-6	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-7	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-8	8.0					8.0	8.0	11.0					11.0	11.0
WiFi 6 GHz_LPI (BW : 40MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_LPI (BW : 80MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_LPI (BW : 160MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_LPI (BW : 320MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_SP (BW : 20MHz)	UNII-5	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-7	8.0					8.0	8.0	11.0					11.0	11.0
WiFi 6 GHz_SP (BW : 40MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
WiFi 6 GHz_SP (BW : 80MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
WiFi 6 GHz_SP (BW : 160MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
WiFi 6 GHz_SP (BW : 320MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
WiFi 6 GHz_VLP (BW : 20MHz)	UNII-5	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-6	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-7	8.0					8.0	8.0	11.0					11.0	11.0
	UNII-8	8.0					8.0	8.0	11.0					11.0	11.0
WiFi 6 GHz_VLP (BW : 40MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_VLP (BW : 80MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_VLP (BW : 160MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0
WiFi 6 GHz_VLP (BW : 320MHz)	UNII-5						8.0	8.0						11.0	11.0
	UNII-6						8.0	8.0						11.0	11.0
	UNII-7						8.0	8.0						11.0	11.0
	UNII-8						8.0	8.0						11.0	11.0

Bluetooth & Bluetooth LE maximum Allowed Output Power

Maximum allowed output power means that target power + 1.0 dB device uncertainty
1. BT/BLE supports MIMO (Dual) mode.
2. Each Antennas has different target power during MIMO (Dual) mode.

Maximum Power

RF Air interface	DATA RATE	CH	Maximum allowed output power (dBm) - Maximum				
			SISO mode		MIMO mode		
			BT SISO1(WIFI0)	BT SISO2(WIFI1)	BT SISO1(WIFI0)	BT SISO2(WIFI1)	BT dual (WIFI0+WIFI1)
Bluetooth (BDR)	1Mbps	0	19.5	18.5	13.0	13.0	16.0
		39	19.5	18.5	14.0	11.0	15.5
		78	19.5	18.5	13.0	13.0	16.0
Bluetooth (EDR)	2Mbps	0	16.5	15.5	10.0	10.0	13.0
		39	16.5	15.5	11.0	7.0	12.5
		78	16.5	15.5	11.0	10.0	13.5
	3Mbps	0	16.5	15.5	10.0	10.0	13.0
		39	16.5	15.5	11.0	7.0	12.5
		78	16.5	15.5	11.0	10.0	13.5
Bluetooth (LE)	1Mbps	0	14.0	14.0	9.5	8.0	12.0
		17	14.0	14.0	9.5	8.0	12.0
		39	13.0	13.0	9.5	8.0	12.0
	2Mbps	0	14.0	14.0	9.5	8.0	12.0
		17	14.0	14.0	9.5	8.0	12.0
		39	13.0	13.0	9.5	8.0	12.0
	125kbps	0	14.0	14.0	9.0	7.0	11.0
		17	14.0	14.0	9.0	7.0	11.0
		39	14.0	14.0	9.0	7.0	11.0
	500kbps	0	14.0	14.0	9.0	7.0	11.0
		17	14.0	14.0	9.0	7.0	11.0
		39	14.0	14.0	9.0	7.0	11.0

Reduced Power (Grip Sensor)

RF Air interface	DATA RATE	CH	Maximum allowed output power (dBm) - Reduced (Grip Sensor)				
			SISO mode		MIMO mode		
			BT SISO1(WIFI0)	BT SISO2(WIFI1)	BT SISO1(WIFI0)	BT SISO2(WIFI1)	BT dual (WIFI0+WIFI1)
Bluetooth (BDR)	1Mbps	0	10.0	10.0	10.0	10.0	13.0
		39	10.0	10.0	10.0	10.0	13.0
		78	10.0	10.0	10.0	10.0	13.0
Bluetooth (EDR)	2Mbps	0	11.0	10.0	10.0	10.0	13.0
		39	11.0	10.0	11.0	7.0	12.5
		78	11.0	10.0	11.0	10.0	13.0
	3Mbps	0	11.0	10.0	10.0	10.0	13.0
		39	11.0	10.0	11.0	7.0	12.5
		78	11.0	10.0	11.0	10.0	13.0
Bluetooth (LE)	1Mbps	0	10.0	10.0	9.5	8.0	12.0
		17	10.0	10.0	9.5	8.0	12.0
		39	10.0	10.0	9.5	8.0	12.0
	2Mbps	0	10.0	10.0	9.5	8.0	12.0
		17	10.0	10.0	9.5	8.0	12.0
		39	10.0	10.0	9.5	8.0	12.0
	125kbps	0	10.0	10.0	9.0	7.0	11.0
		17	10.0	10.0	9.0	7.0	11.0
		39	10.0	10.0	9.0	7.0	11.0
	500kbps	0	10.0	10.0	9.0	7.0	11.0
		17	10.0	10.0	9.0	7.0	11.0
		39	10.0	10.0	9.0	7.0	11.0

Reduced Power (WIFI 5GHz, 6GHz)

RF Air interface	DATA RATE	CH	Maximum allowed output power (dBm) - Reduced (WIFI 5GHz, 6GHz)				
			SISO mode		MIMO mode		
			BT SISO1(WIFI0)	BT SISO2(WIFI1)	BT SISO1(WIFI0)	BT SISO2(WIFI1)	BT dual (WIFI0+WIFI1)
Bluetooth (BDR)	1Mbps	0	7.0	7.0	7.0	7.0	10.0
		39	7.0	7.0	7.0	7.0	10.0
		78	7.0	7.0	7.0	7.0	10.0
Bluetooth (EDR)	2Mbps	0	8.0	7.0	8.0	7.0	10.5
		39	8.0	7.0	8.0	7.0	10.5
		78	8.0	7.0	8.0	7.0	10.5
	3Mbps	0	8.0	7.0	8.0	7.0	10.5
		39	8.0	7.0	8.0	7.0	10.5
		78	8.0	7.0	8.0	7.0	10.5
Bluetooth (LE)	1Mbps	0	7.0	7.0	7.0	7.0	10.0
		17	7.0	7.0	7.0	7.0	10.0
		39	7.0	7.0	7.0	7.0	10.0
	2Mbps	0	7.0	7.0	7.0	7.0	10.0
		17	7.0	7.0	7.0	7.0	10.0
		39	7.0	7.0	7.0	7.0	10.0
	125kbps	0	7.0	7.0	7.0	7.0	10.0
		17	7.0	7.0	7.0	7.0	10.0
		39	7.0	7.0	7.0	7.0	10.0
	500kbps	0	7.0	7.0	7.0	7.0	10.0
		17	7.0	7.0	7.0	7.0	10.0
		39	7.0	7.0	7.0	7.0	10.0

7. RF Exposure Conditions (Test Configurations)

Refer to Appendix A for the specific details of the antenna-to-edge(s) distances.

Standalone SAR Test Exemption Criteria & Estmiated SAR

Tablet device's each test positions consider SAR test exclusion according to Appendix B.4 of KDB 447498 D04. If Each antenna operate to between 0.3GHz to 6GHz, and Antenna to DUT surface's distance are within 0.5cm to 40cm, then below Formula can use for SAR test exemption;

$$P_{\text{th}}\,(\text{mW}) = ERP_{20\,\text{cm}}\,(\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases} \quad \text{(B.1)}$$

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$$P_{\text{th}}\,(\text{mW}) = \begin{cases} ERP_{20\,\text{cm}}(d/20\ \text{cm})^{x} & d \le 20\ \text{cm} \\ ERP_{20\,\text{cm}} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases} \quad \text{(B.2)}$$

where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\,\text{cm}}\sqrt{f}}\right)$$

And *f* is in GHz, *d* is the separation distance (cm), and ERP_{20cm} is per Formula (B.1).

When an antenna qualifies for test exemption in single transmitter/antenna mode of each test positions, its actual SAR value may not be available, because it was not required to be measured, in this case, the SAR contribution of that antenna to simultaneous transmission must be estimated relative to the SAR based exemption criteria, by multiplying the corresponding ratio by the SAR limit. This is referred to as estimated SAR.

Estimated SAR is computed as SAR_{est} = FCC limit * P_{ant} / P_{th} [W/kg].

Please refer to SAR Test exemption calculation table (including Estimated SAR values) & Required Test configuration.

SAR Test Exemption Calculation results for WLAN (Grip Sensor Off)

Antenna	Tx Interface	Frequency (MHz)	Output Power		Separation Distances (mm)					Estimated 1-g SAR Value (W/kg)				
			dBm	mW	Rear	Top	Left	Bottom	Right	Rear	Top	Left	Bottom	Right
Full Power, Proximity Sensor Off. A sensor triggering of 14 mm for the Rear, 19 mm for the top, 9 mm for the left, and 11 mm for the right sides.														
Ant.1	Bluetooth	2480	19.50	89	14	19	9	311	143	-Measure-	-Measure-	-Measure-	0.047	0.088
Ant.2	Bluetooth	2480	18.50	71	14	19	143	311	11	-Measure-	-Measure-	0.070	0.037	-Measure-
MIMO	Bluetooth	2480	16.00	40	14	19	9	311	11	-Measure-	-Measure-	-Measure-	0.021	-Measure-
Ant.1	Wi-Fi 2.4 GHz	2462	19.00	79	14	19	9	311	143	-Measure-	-Measure-	-Measure-	0.041	0.078
Ant.2	Wi-Fi 2.4 GHz	2462	19.00	79	14	19	143	311	11	-Measure-	-Measure-	0.078	0.041	-Measure-
MIMO	Wi-Fi 2.4 GHz	2462	22.00	158	14	19	9	311	11	-Measure-	-Measure-	-Measure-	0.083	-Measure-
Ant.1	Wi-Fi 5.2 GHz	5240	18.00	63	14	19	9	311	143	-Measure-	-Measure-	-Measure-	0.033	0.066
Ant.1	Wi-Fi 5.3 GHz	5320	18.00	63	14	19	9	311	143	-Measure-	-Measure-	-Measure-	0.033	0.066
Ant.1	Wi-Fi 5.6 GHz	5720	18.00	63	14	19	9	311	143	-Measure-	-Measure-	-Measure-	0.033	0.066
Ant.1	Wi-Fi 5.8 GHz	5825	18.00	63	14	19	9	311	143	-Measure-	-Measure-	-Measure-	0.033	0.066
Ant.1	Wi-Fi 5.9 GHz	5885	18.00	63	14	19	9	311	143	-Measure-	-Measure-	-Measure-	0.033	0.066
Ant.2	Wi-Fi 5.2 GHz	5240	18.00	63	14	19	143	311	11	-Measure-	-Measure-	0.066	0.033	-Measure-
Ant.2	Wi-Fi 5.3 GHz	5320	18.00	63	14	19	143	311	11	-Measure-	-Measure-	0.066	0.033	-Measure-
Ant.2	Wi-Fi 5.6 GHz	5720	18.00	63	14	19	143	311	11	-Measure-	-Measure-	0.066	0.033	-Measure-
Ant.2	Wi-Fi 5.8 GHz	5825	18.00	63	14	19	143	311	11	-Measure-	-Measure-	0.066	0.033	-Measure-
Ant.2	Wi-Fi 5.9 GHz	5885	18.00	63	14	19	143	311	11	-Measure-	-Measure-	0.066	0.033	-Measure-
MIMO	Wi-Fi 5.2 GHz	5240	21.00	126	14	19	9	311	11	-Measure-	-Measure-	-Measure-	0.066	-Measure-
MIMO	Wi-Fi 5.3 GHz	5320	21.00	126	14	19	9	311	11	-Measure-	-Measure-	-Measure-	0.066	-Measure-
MIMO	Wi-Fi 5.6 GHz	5720	21.00	126	14	19	9	311	11	-Measure-	-Measure-	-Measure-	0.066	-Measure-
MIMO	Wi-Fi 5.8 GHz	5825	21.00	126	14	19	9	311	11	-Measure-	-Measure-	-Measure-	0.066	-Measure-
MIMO	Wi-Fi 5.9 GHz	5885	21.00	126	14	19	9	311	11	-Measure-	-Measure-	-Measure-	0.066	-Measure-

SAR Test Exemption Calculation results for WLAN (Grip Sensor On)

Antenna	Tx Interface	Frequency (MHz)	Output Power		Separation Distances (mm)					Estimated 1-g SAR Value (W/kg)				
			dBm	mW	Rear	Top	Left	Bottom	Right	Rear	Top	Left	Bottom	Right
Second Stage Power Back-off, Proximity Sensor On														
Ant.1	Bluetooth	2480	10.00	10	0	0	0	311	143	-Measure-	-Measure-	-Measure-	0.005	0.010
Ant.2	Bluetooth	2480	9.00	8	0	0	143	311	0	-Measure-	-Measure-	0.008	0.004	-Measure-
MIMO	Bluetooth	2480	12.00	16	0	0	0	311	0	-Measure-	-Measure-	-Measure-	0.008	-Measure-
Ant.1	Wi-Fi 2.4 GHz	2462	12.50	18	0	0	0	311	143	-Measure-	-Measure-	-Measure-	0.009	0.018
Ant.2	Wi-Fi 2.4 GHz	2462	12.50	18	0	0	143	311	0	-Measure-	-Measure-	0.018	0.009	-Measure-
MIMO	Wi-Fi 2.4 GHz	2462	15.50	35	0	0	0	311	0	-Measure-	-Measure-	-Measure-	0.018	-Measure-
Ant.1	Wi-Fi 5.2 GHz	5240	9.50	9	0	0	0	311	143	-Measure-	-Measure-	-Measure-	0.005	0.009
Ant.1	Wi-Fi 5.3 GHz	5320	9.50	9	0	0	0	311	143	-Measure-	-Measure-	-Measure-	0.005	0.009
Ant.1	Wi-Fi 5.6 GHz	5720	8.50	7	0	0	0	311	143	-Measure-	-Measure-	-Measure-	0.004	0.007
Ant.1	Wi-Fi 5.8 GHz	5825	8.50	7	0	0	0	311	143	-Measure-	-Measure-	-Measure-	0.004	0.007
Ant.1	Wi-Fi 5.9 GHz	5885	8.50	7	0	0	0	311	143	-Measure-	-Measure-	-Measure-	0.004	0.007
Ant.2	Wi-Fi 5.2 GHz	5240	9.50	9	0	0	143	311	0	-Measure-	-Measure-	0.009	0.005	-Measure-
Ant.2	Wi-Fi 5.3 GHz	5320	9.50	9	0	0	143	311	0	-Measure-	-Measure-	0.009	0.005	-Measure-
Ant.2	Wi-Fi 5.6 GHz	5720	8.50	7	0	0	143	311	0	-Measure-	-Measure-	0.007	0.004	-Measure-
Ant.2	Wi-Fi 5.8 GHz	5825	8.50	7	0	0	143	311	0	-Measure-	-Measure-	0.007	0.004	-Measure-
Ant.2	Wi-Fi 5.9 GHz	5885	8.50	7	0	0	143	311	0	-Measure-	-Measure-	0.007	0.004	-Measure-
MIMO	Wi-Fi 5.2 GHz	5240	12.50	18	0	0	0	311	0	-Measure-	-Measure-	-Measure-	0.009	-Measure-
MIMO	Wi-Fi 5.3 GHz	5320	12.50	18	0	0	0	311	0	-Measure-	-Measure-	-Measure-	0.009	-Measure-
MIMO	Wi-Fi 5.6 GHz	5720	11.50	14	0	0	0	311	0	-Measure-	-Measure-	-Measure-	0.007	-Measure-
MIMO	Wi-Fi 5.8 GHz	5825	11.50	14	0	0	0	311	0	-Measure-	-Measure-	-Measure-	0.007	-Measure-
MIMO	Wi-Fi 5.9 GHz	5885	11.50	14	0	0	0	311	0	-Measure-	-Measure-	-Measure-	0.007	-Measure-

Notes:

1. Orange box test position need to SAR test according to calculation results (Tune-up limit power ≥ Exemption limit).
2. Green box test positions considered SAR test exemption according to SAR exemption limit and additionally Estimated SAR calculated for simultaneous transmission analysis.
3. For the rear position, the DUT was repositioned in accordance with KDB 775926 D01, taking into account the DUT protrusion.
4. The laptop configuration with the accessory keyboard connected was not evaluated as this considered to be covered by the Left tests.
5. Testing of 6 GHz WLAN was performed at all positions.

8. Dielectric Property Measurements & System Check

8.1. Dielectric Property Measurements

The temperature of the tissue-equivalent medium used during measurement must also be within 18°C to 25°C and within ± 2°C of the temperature when the tissue parameters are characterized.
The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The Tissue Dielectric parameters should be re-measured after each 3 – 4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.
Tissue dielectric parameters were measured at the low, middle and high frequency of each operating frequency range of the test device.

1. Tissue Dielectric Parameters (100MHz to 6GHz)

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

Target Frequency (MHz)	Head	
	ε_r	σ (S/m)
150	52.3	0.76
300	45.3	0.87
450	43.5	0.87
835	41.5	0.90
900	41.5	0.97
915	41.5	0.98
1450	40.5	1.20
1610	40.3	1.29
1800 – 2000	40.0	1.40
2450	39.2	1.80
3000	38.5	2.40
5000	36.2	4.45
5100	36.1	4.55
5200	36.0	4.66
5300	35.9	4.76
5400	35.8	4.86
5500	35.6	4.96
5600	35.5	5.07
5700	35.4	5.17
5800	35.3	5.27
6000	35.1	5.48
Refer to Table 3 within the IEEE Std 1528 : 2013.		

2. Tissue Dielectric Parameters (4MHz to 30MHz & 6GHz to 10GHz)

Target Frequency (MHz)	Head	
	ε_r	σ (S/m)
4	55.0	0.75
13	55.0	0.75
30	55.0	0.75
6000	35.1	5.48
6500	34.5	6.07
7000	33.9	6.65
7500	33.3	7.24
8000	32.7	7.84
8500	32.1	8.46
9000	31.6	9.08
9500	31.0	9.71
10000	30.4	10.40
Refer to Table 2 within the IEC/IEEE Std 62209-1528 : 2020.		

Notes:

SAR test were performed in All RF exposure conditions using Head tissue according to TCB workshop note of April. 2019.

Dielectric Property Measurements Results:

SAR 2 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-06-08	Head 2450	e'	39.7300	Relative Permittivity (ε_r):	39.73	39.20	1.35	5
		e"	13.5800	Conductivity (σ):	1.85	1.80	2.78	5
	Head 2400	e'	39.8400	Relative Permittivity (ε_r):	39.84	39.30	1.38	5
		e"	13.6500	Conductivity (σ):	1.82	1.75	3.99	5
	Head 2500	e'	39.6700	Relative Permittivity (ε_r):	39.67	39.14	1.36	5
		e"	13.5100	Conductivity (σ):	1.88	1.85	1.29	5
2026-06-08	Head 5200	e'	36.2700	Relative Permittivity (ε_r):	36.27	35.99	0.78	5
		e"	15.9400	Conductivity (σ):	4.61	4.65	-0.91	5
	Head 5250	e'	36.1700	Relative Permittivity (ε_r):	36.17	35.93	0.66	5
		e"	15.9600	Conductivity (σ):	4.66	4.70	-0.92	5
	Head 5600	e'	35.4800	Relative Permittivity (ε_r):	35.48	35.53	-0.15	5
		e"	16.1300	Conductivity (σ):	5.02	5.06	-0.75	5
	Head 5750	e'	35.2000	Relative Permittivity (ε_r):	35.20	35.36	-0.46	5
		e"	16.2100	Conductivity (σ):	5.18	5.21	-0.60	5
	Head 5800	e'	35.1100	Relative Permittivity (ε_r):	35.11	35.30	-0.54	5
		e"	16.2300	Conductivity (σ):	5.23	5.27	-0.68	5
	Head 5925	e'	34.8900	Relative Permittivity (ε_r):	34.89	35.20	-0.88	5
		e"	16.2900	Conductivity (σ):	5.37	5.40	-0.62	5
2026-06-16	Head 5200	e'	37.2600	Relative Permittivity (ε_r):	37.26	35.99	3.53	5
		e"	15.4500	Conductivity (σ):	4.47	4.65	-3.95	5
	Head 5250	e'	37.1800	Relative Permittivity (ε_r):	37.18	35.93	3.47	5
		e"	15.4900	Conductivity (σ):	4.52	4.70	-3.84	5
	Head 5600	e'	36.6000	Relative Permittivity (ε_r):	36.60	35.53	3.00	5
		e"	15.7800	Conductivity (σ):	4.91	5.06	-2.90	5
	Head 5750	e'	36.3300	Relative Permittivity (ε_r):	36.33	35.36	2.74	5
		e"	15.9200	Conductivity (σ):	5.09	5.21	-2.37	5
	Head 5800	e'	36.2600	Relative Permittivity (ε_r):	36.26	35.30	2.72	5
		e"	15.9500	Conductivity (σ):	5.14	5.27	-2.39	5
	Head 5925	e'	36.0600	Relative Permittivity (ε_r):	36.06	35.20	2.44	5
		e"	16.0300	Conductivity (σ):	5.28	5.40	-2.20	5

SAR 3 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-06-11	Head 5200	e'	35.6600	Relative Permittivity (ε_r):	35.66	35.99	-0.92	5
		e"	15.6900	Conductivity (σ):	4.54	4.65	-2.46	5
	Head 5250	e'	35.5600	Relative Permittivity (ε_r):	35.56	35.93	-1.04	5
		e"	15.7200	Conductivity (σ):	4.59	4.70	-2.41	5
	Head 5600	e'	34.9000	Relative Permittivity (ε_r):	34.90	35.53	-1.78	5
		e"	15.9800	Conductivity (σ):	4.98	5.06	-1.67	5
	Head 5750	e'	34.6200	Relative Permittivity (ε_r):	34.62	35.36	-2.10	5
		e"	16.1000	Conductivity (σ):	5.15	5.21	-1.27	5
	Head 5800	e'	34.5400	Relative Permittivity (ε_r):	34.54	35.30	-2.15	5
		e"	16.1400	Conductivity (σ):	5.21	5.27	-1.23	5
	Head 5925	e'	34.3200	Relative Permittivity (ε_r):	34.32	35.20	-2.50	5
		e"	16.2200	Conductivity (σ):	5.34	5.40	-1.04	5
2026-06-15	Head 5200	e'	36.3700	Relative Permittivity (ε_r):	36.37	35.99	1.06	5
		e"	16.1500	Conductivity (σ):	4.67	4.65	0.40	5
	Head 5250	e'	36.2700	Relative Permittivity (ε_r):	36.27	35.93	0.94	5
		e"	16.2100	Conductivity (σ):	4.73	4.70	0.63	5
	Head 5600	e'	35.5600	Relative Permittivity (ε_r):	35.56	35.53	0.07	5
		e"	16.5200	Conductivity (σ):	5.14	5.06	1.65	5
	Head 5750	e'	35.2500	Relative Permittivity (ε_r):	35.25	35.36	-0.32	5
		e"	16.6700	Conductivity (σ):	5.33	5.21	2.22	5
	Head 5800	e'	35.1500	Relative Permittivity (ε_r):	35.15	35.30	-0.42	5
		e"	16.7200	Conductivity (σ):	5.39	5.27	2.32	5
	Head 5925	e'	34.8900	Relative Permittivity (ε_r):	34.89	35.20	-0.88	5
		e"	16.8200	Conductivity (σ):	5.54	5.40	2.62	5

SAR 4 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-06-09	Head 5200	e'	36.9100	Relative Permittivity (ε_r):	36.91	35.99	2.56	5
		e"	15.6500	Conductivity (σ):	4.52	4.65	-2.71	5
	Head 5250	e'	36.8100	Relative Permittivity (ε_r):	36.81	35.93	2.44	5
		e"	15.7300	Conductivity (σ):	4.59	4.70	-2.35	5
	Head 5600	e'	36.1900	Relative Permittivity (ε_r):	36.19	35.53	1.85	5
		e"	16.0200	Conductivity (σ):	4.99	5.06	-1.42	5
	Head 5750	e'	35.9800	Relative Permittivity (ε_r):	35.98	35.36	1.75	5
		e"	16.1400	Conductivity (σ):	5.16	5.21	-1.03	5
	Head 5800	e'	35.9300	Relative Permittivity (ε_r):	35.93	35.30	1.78	5
		e"	16.1600	Conductivity (σ):	5.21	5.27	-1.11	5
	Head 5925	e'	35.6200	Relative Permittivity (ε_r):	35.62	35.20	1.19	5
		e"	16.2800	Conductivity (σ):	5.36	5.40	-0.68	5
2026-06-15	Head 5200	e'	36.7400	Relative Permittivity (ε_r):	36.74	35.99	2.08	5
		e"	16.3600	Conductivity (σ):	4.73	4.65	1.70	5
	Head 5250	e'	36.6400	Relative Permittivity (ε_r):	36.64	35.93	1.97	5
		e"	16.4400	Conductivity (σ):	4.80	4.70	2.06	5
	Head 5600	e'	36.0200	Relative Permittivity (ε_r):	36.02	35.53	1.37	5
		e"	16.7300	Conductivity (σ):	5.21	5.06	2.95	5
	Head 5750	e'	35.8100	Relative Permittivity (ε_r):	35.81	35.36	1.26	5
		e"	16.8500	Conductivity (σ):	5.39	5.21	3.33	5
	Head 5800	e'	35.6600	Relative Permittivity (ε_r):	35.66	35.30	1.02	5
		e"	16.8700	Conductivity (σ):	5.44	5.27	3.24	5
	Head 5925	e'	35.4500	Relative Permittivity (ε_r):	35.45	35.20	0.71	5
		e"	16.9900	Conductivity (σ):	5.60	5.40	3.65	5
2026-06-21	Head 2450	e'	38.1500	Relative Permittivity (ε_r):	38.15	39.20	-2.68	5
		e"	13.6300	Conductivity (σ):	1.86	1.80	3.15	5
	Head 2400	e'	38.2600	Relative Permittivity (ε_r):	38.26	39.30	-2.64	5
		e"	13.7100	Conductivity (σ):	1.83	1.75	4.45	5
	Head 2480	e'	38.1000	Relative Permittivity (ε_r):	38.10	39.16	-2.71	5
		e"	13.5800	Conductivity (σ):	1.87	1.83	2.19	5
2026-06-25	Head 2450	e'	39.8000	Relative Permittivity (ε_r):	39.80	39.20	1.53	5
		e"	12.7400	Conductivity (σ):	1.74	1.80	-3.58	5
	Head 2400	e'	39.8000	Relative Permittivity (ε_r):	39.80	39.30	1.28	5
		e"	12.5700	Conductivity (σ):	1.68	1.75	-4.24	5
	Head 2480	e'	39.8500	Relative Permittivity (ε_r):	39.85	39.16	1.76	5
		e"	12.8300	Conductivity (σ):	1.77	1.83	-3.45	5
2026-06-26	Head 5200	e'	36.1900	Relative Permittivity (ε_r):	36.19	35.99	0.56	5
		e"	16.2000	Conductivity (σ):	4.68	4.65	0.71	5
	Head 5250	e'	36.1200	Relative Permittivity (ε_r):	36.12	35.93	0.52	5
		e"	16.2100	Conductivity (σ):	4.73	4.70	0.63	5
	Head 5600	e'	35.9100	Relative Permittivity (ε_r):	35.91	35.53	1.06	5
		e"	16.2800	Conductivity (σ):	5.07	5.06	0.18	5
	Head 5750	e'	35.6300	Relative Permittivity (ε_r):	35.63	35.36	0.76	5
		e"	16.2900	Conductivity (σ):	5.21	5.21	-0.11	5
	Head 5800	e'	35.4600	Relative Permittivity (ε_r):	35.46	35.30	0.45	5
		e"	16.3600	Conductivity (σ):	5.28	5.27	0.12	5
	Head 5925	e'	35.3000	Relative Permittivity (ε_r):	35.30	35.20	0.28	5
		e"	16.4900	Conductivity (σ):	5.43	5.40	0.60	5

SAR 6 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-06-17	Head 2450	e'	39.7300	Relative Permittivity (ε_r):	39.73	39.20	1.35	5
		e"	13.2300	Conductivity (σ):	1.80	1.80	0.13	5
	Head 2400	e'	39.8100	Relative Permittivity (ε_r):	39.81	39.30	1.31	5
		e"	13.2600	Conductivity (σ):	1.77	1.75	1.02	5
	Head 2500	e'	39.6600	Relative Permittivity (ε_r):	39.66	39.14	1.34	5
		e"	13.1800	Conductivity (σ):	1.83	1.85	-1.18	5

SAR 9 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-06-08	Head 6000	e'	34.8400	Relative Permittivity (ε_r):	34.84	35.10	-0.74	5
		e"	15.8500	Conductivity (σ):	5.29	5.48	-3.51	5
	Head 6200	e'	34.7500	Relative Permittivity (ε_r):	34.75	34.86	-0.32	5
		e"	16.0600	Conductivity (σ):	5.54	5.72	-3.14	5
	Head 6500	e'	34.4400	Relative Permittivity (ε_r):	34.44	34.50	-0.17	5
		e"	16.6500	Conductivity (σ):	6.02	6.07	-0.86	5
	Head 6600	e'	34.0100	Relative Permittivity (ε_r):	34.01	34.38	-1.08	5
		e"	16.5500	Conductivity (σ):	6.07	6.19	-1.82	5
	Head 6800	e'	33.7100	Relative Permittivity (ε_r):	33.71	34.14	-1.26	5
		e"	16.7600	Conductivity (σ):	6.34	6.42	-1.26	5
	Head 7000	e'	33.4500	Relative Permittivity (ε_r):	33.45	33.90	-1.33	5
		e"	16.6900	Conductivity (σ):	6.50	6.65	-2.31	5
2026-06-09	Head 6000	e'	35.7300	Relative Permittivity (ε_r):	35.73	35.10	1.79	5
		e"	16.1400	Conductivity (σ):	5.38	5.48	-1.74	5
	Head 6200	e'	35.5800	Relative Permittivity (ε_r):	35.58	34.86	2.07	5
		e"	16.0900	Conductivity (σ):	5.55	5.72	-2.96	5
	Head 6500	e'	35.1200	Relative Permittivity (ε_r):	35.12	34.50	1.80	5
		e"	16.5800	Conductivity (σ):	5.99	6.07	-1.28	5
	Head 6600	e'	34.7800	Relative Permittivity (ε_r):	34.78	34.38	1.16	5
		e"	16.6200	Conductivity (σ):	6.10	6.19	-1.40	5
	Head 6800	e'	34.4800	Relative Permittivity (ε_r):	34.48	34.14	1.00	5
		e"	16.8700	Conductivity (σ):	6.38	6.42	-0.61	5
	Head 7000	e'	34.2000	Relative Permittivity (ε_r):	34.20	33.90	0.88	5
		e"	16.8600	Conductivity (σ):	6.56	6.65	-1.32	5
2026-06-10	Head 6000	e'	34.8500	Relative Permittivity (ε_r):	34.85	35.10	-0.71	5
		e"	16.2300	Conductivity (σ):	5.41	5.48	-1.19	5
	Head 6200	e'	34.8600	Relative Permittivity (ε_r):	34.86	34.86	0.00	5
		e"	16.6200	Conductivity (σ):	5.73	5.72	0.24	5
	Head 6500	e'	34.2500	Relative Permittivity (ε_r):	34.25	34.50	-0.72	5
		e"	17.0400	Conductivity (σ):	6.16	6.07	1.46	5
	Head 6600	e'	34.0300	Relative Permittivity (ε_r):	34.03	34.38	-1.02	5
		e"	16.9400	Conductivity (σ):	6.22	6.19	0.50	5
	Head 6800	e'	33.6500	Relative Permittivity (ε_r):	33.65	34.14	-1.44	5
		e"	17.4200	Conductivity (σ):	6.59	6.42	2.63	5
	Head 7000	e'	33.3900	Relative Permittivity (ε_r):	33.39	33.90	-1.50	5
		e"	17.6100	Conductivity (σ):	6.85	6.65	3.07	5
2026-06-11	Head 6000	e'	35.2400	Relative Permittivity (ε_r):	35.24	35.10	0.40	5
		e"	15.9900	Conductivity (σ):	5.33	5.48	-2.65	5
	Head 6200	e'	35.1100	Relative Permittivity (ε_r):	35.11	34.86	0.72	5
		e"	16.2700	Conductivity (σ):	5.61	5.72	-1.87	5
	Head 6500	e'	34.5600	Relative Permittivity (ε_r):	34.56	34.50	0.17	5
		e"	16.8100	Conductivity (σ):	6.08	6.07	0.09	5
	Head 6600	e'	34.2000	Relative Permittivity (ε_r):	34.20	34.38	-0.52	5
		e"	16.7300	Conductivity (σ):	6.14	6.19	-0.75	5
	Head 6800	e'	34.0300	Relative Permittivity (ε_r):	34.03	34.14	-0.32	5
		e"	17.0300	Conductivity (σ):	6.44	6.42	0.33	5
	Head 7000	e'	33.6800	Relative Permittivity (ε_r):	33.68	33.90	-0.65	5
		e"	16.8800	Conductivity (σ):	6.57	6.65	-1.20	5

SAR 9 Room (Continued)

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-06-17	Head 6000	e'	35.1900	Relative Permittivity (ε_r):	35.19	35.10	0.26	5
		e"	15.9800	Conductivity (σ):	5.33	5.48	-2.71	5
	Head 6200	e'	35.2000	Relative Permittivity (ε_r):	35.20	34.86	0.98	5
		e"	16.2600	Conductivity (σ):	5.61	5.72	-1.93	5
	Head 6500	e'	34.6900	Relative Permittivity (ε_r):	34.69	34.50	0.55	5
		e"	16.7400	Conductivity (σ):	6.05	6.07	-0.33	5
	Head 6600	e'	34.3700	Relative Permittivity (ε_r):	34.37	34.38	-0.03	5
		e"	16.6800	Conductivity (σ):	6.12	6.19	-1.05	5
	Head 6800	e'	34.0800	Relative Permittivity (ε_r):	34.08	34.14	-0.18	5
		e"	16.9900	Conductivity (σ):	6.42	6.42	0.09	5
	Head 7000	e'	33.4900	Relative Permittivity (ε_r):	33.49	33.90	-1.21	5
		e"	16.6600	Conductivity (σ):	6.48	6.65	-2.49	5
2026-06-29	Head 6000	e'	34.8400	Relative Permittivity (ε_r):	34.84	35.10	-0.74	5
		e"	15.8500	Conductivity (σ):	5.29	5.48	-3.51	5
	Head 6200	e'	34.7500	Relative Permittivity (ε_r):	34.75	34.86	-0.32	5
		e"	16.0600	Conductivity (σ):	5.54	5.72	-3.14	5
	Head 6500	e'	34.4400	Relative Permittivity (ε_r):	34.44	34.50	-0.17	5
		e"	16.6500	Conductivity (σ):	6.02	6.07	-0.86	5
	Head 6600	e'	34.0100	Relative Permittivity (ε_r):	34.01	34.38	-1.08	5
		e"	16.5500	Conductivity (σ):	6.07	6.19	-1.82	5
	Head 6800	e'	33.7100	Relative Permittivity (ε_r):	33.71	34.14	-1.26	5
		e"	16.7600	Conductivity (σ):	6.34	6.42	-1.26	5
	Head 7000	e'	33.4500	Relative Permittivity (ε_r):	33.45	33.90	-1.33	5
		e"	16.6900	Conductivity (σ):	6.50	6.65	-2.31	5

SAR 10 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-06-19	Head 5200	e'	36.1400	Relative Permittivity (ε_r):	36.14	35.99	0.42	5
		e"	16.3500	Conductivity (σ):	4.73	4.65	1.64	5
	Head 5250	e'	36.0400	Relative Permittivity (ε_r):	36.04	35.93	0.30	5
		e"	16.4000	Conductivity (σ):	4.79	4.70	1.81	5
	Head 5600	e'	35.3100	Relative Permittivity (ε_r):	35.31	35.53	-0.63	5
		e"	16.7200	Conductivity (σ):	5.21	5.06	2.88	5
	Head 5750	e'	35.0000	Relative Permittivity (ε_r):	35.00	35.36	-1.03	5
		e"	16.8600	Conductivity (σ):	5.39	5.21	3.39	5
	Head 5800	e'	34.9000	Relative Permittivity (ε_r):	34.90	35.30	-1.13	5
		e"	16.9100	Conductivity (σ):	5.45	5.27	3.48	5
	Head 5925	e'	34.6500	Relative Permittivity (ε_r):	34.65	35.20	-1.56	5
		e"	17.0300	Conductivity (σ):	5.61	5.40	3.90	5
2026-06-19	Head 2450	e'	40.4300	Relative Permittivity (ε_r):	40.43	39.20	3.14	5
		e"	12.9000	Conductivity (σ):	1.76	1.80	-2.37	5
	Head 2400	e'	40.5700	Relative Permittivity (ε_r):	40.57	39.30	3.24	5
		e"	12.8700	Conductivity (σ):	1.72	1.75	-1.95	5
	Head 2500	e'	40.3400	Relative Permittivity (ε_r):	40.34	39.14	3.07	5
		e"	12.9300	Conductivity (σ):	1.80	1.85	-3.06	5
2026-06-23	Head 5200	e'	35.4800	Relative Permittivity (ε_r):	35.48	35.99	-1.42	5
		e"	16.1600	Conductivity (σ):	4.67	4.65	0.46	5
	Head 5250	e'	35.3900	Relative Permittivity (ε_r):	35.39	35.93	-1.51	5
		e"	16.2000	Conductivity (σ):	4.73	4.70	0.57	5
	Head 5600	e'	34.7000	Relative Permittivity (ε_r):	34.70	35.53	-2.35	5
		e"	16.4700	Conductivity (σ):	5.13	5.06	1.35	5
	Head 5750	e'	34.4100	Relative Permittivity (ε_r):	34.41	35.36	-2.69	5
		e"	16.5900	Conductivity (σ):	5.30	5.21	1.73	5
	Head 5800	e'	34.3200	Relative Permittivity (ε_r):	34.32	35.30	-2.78	5
		e"	16.6200	Conductivity (σ):	5.36	5.27	1.71	5
	Head 5925	e'	34.0800	Relative Permittivity (ε_r):	34.08	35.20	-3.18	5
		e"	16.7100	Conductivity (σ):	5.51	5.40	1.95	5
2026-06-29	Head 5200	e'	36.0200	Relative Permittivity (ε_r):	36.02	35.99	0.08	5
		e"	15.7600	Conductivity (σ):	4.56	4.65	-2.03	5
	Head 5250	e'	35.9300	Relative Permittivity (ε_r):	35.93	35.93	-0.01	5
		e"	15.8000	Conductivity (σ):	4.61	4.70	-1.91	5
	Head 5600	e'	35.2500	Relative Permittivity (ε_r):	35.25	35.53	-0.80	5
		e"	16.0400	Conductivity (σ):	4.99	5.06	-1.30	5
	Head 5750	e'	34.9800	Relative Permittivity (ε_r):	34.98	35.36	-1.08	5
		e"	16.1600	Conductivity (σ):	5.17	5.21	-0.90	5
	Head 5800	e'	34.8900	Relative Permittivity (ε_r):	34.89	35.30	-1.16	5
		e"	16.1900	Conductivity (σ):	5.22	5.27	-0.93	5
	Head 5925	e'	34.6600	Relative Permittivity (ε_r):	34.66	35.20	-1.53	5
		e"	16.2700	Conductivity (σ):	5.36	5.40	-0.74	5

8.2. SAR System Check

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification of 100MHZ to 6GHz frequency range should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are re-measured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.
For The System verification of below 100MHz, above 6GHz frequency range, The System verification performed within 24 hours prior to DUT test.

System Performance Check Measurement Conditions (100MHz to 8GHz):

- The measurements were performed in the flat section of the TWIN SAM or ELI phantom, shell thickness: 2.0 ±0.2 mm (bottom plate) filled with Body or Head simulating liquid of the following parameters.
- The depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm for SAR measurements ≤ 3 GHz and ≥ 10.0 cm for measurements > 3 GHz.
- The DASY system with an E-Field Probe was used for the measurements.
- The dipole was mounted on the small tripod so that the dipole feed point was positioned below the center marking of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom). The standard measuring distance was 15 mm (below 1 GHz), 10mm (between 1GHz to 6GHz) and 5mm (above 6GHz) from dipole center to the simulating liquid surface.
- Distance between probe sensors and phantom surface was set to 1.4 mm.
- The dipole input power (forward power) was 100 mW.
- The results are normalized to 1 W input power.

Reference Target SAR Values

The reference SAR values can be obtained from the calibration certificate of system validation dipoles.

System Dipole	Serial No.	Cal. Date	Cal.due date	Target SAR Values (W/kg)	
				1g/10g	Head
D2450V2	960	2026-03-10	2027-03-10	1g	51.80
				10g	24.40
D2450V2	939	2024-07-10	2026-07-10	1g	52.20
				10g	24.40
D5GHzV2 (5.25 GHz)	1209	2025-02-18	2027-02-18	1g	79.20
				10g	22.40
D5GHzV2 (5.6 GHz)	1209	2025-02-18	2027-02-18	1g	80.70
				10g	22.90
D5GHzV2 (5.75 GHz)	1209	2025-02-18	2027-02-18	1g	78.20
				10g	22.00
D5GHzV2 (5.8 GHz)	1209	2025-02-18	2027-02-18	1g	80.10
				10g	22.60
D5GHzV2 (5.25 GHz)	1325	2025-04-16	2027-04-16	1g	78.00
				10g	22.30
D5GHzV2 (5.6 GHz)	1325	2025-04-16	2027-04-16	1g	81.30
				10g	23.30
D5GHzV2 (5.75 GHz)	1325	2025-04-16	2027-04-16	1g	77.80
				10g	22.10
D5GHzV2 (5.8 GHz)	1325	2025-04-16	2027-04-16	1g	81.00
				10g	22.90
D6.5GHzV2	1005	2025-09-10	2026-09-10	1g	301.00
				8g	67.60
				10g	55.70
				APD	1350.00

System Check Results

The 1-g and 10-g SAR measured with a reference dipole, using the required tissue-equivalent medium at the test frequency, must be within 10% of the manufacturer calibrated dipole SAR target.

SAR 2 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
2026-06-09	D5GHzV2 (5250)	1325	Head	1g	7.55	75.5	78.00	-3.21	
				10g	2.29	22.9	22.30	2.69	
2026-06-09	D5GHzV2 (5600)	1325	Head	1g	8.00	80.0	81.30	-1.60	
				10g	2.42	24.2	23.30	3.86	
2026-06-09	D5GHzV2 (5750)	1325	Head	1g	7.70	77.0	77.80	-1.03	
				10g	2.33	23.3	22.10	5.43	
2026-06-09	D5GHzV2 (5800)	1325	Head	1g	8.05	80.5	81.00	-0.62	
				10g	2.44	24.4	22.90	6.55	
2026-06-10	D2450V2	960	Head	1g	5.19	51.9	51.80	0.19	1
				10g	2.55	25.5	24.40	4.51	
2026-06-10	D5GHzV2 (5800)	1325	Head	1g	8.43	84.3	81.00	4.07	2
				10g	2.49	24.9	22.90	8.73	
2026-06-16	D5GHzV2 (5600)	1325	Head	1g	8.19	81.9	81.30	0.74	
				10g	2.36	23.6	23.30	1.29	
2026-06-16	D5GHzV2 (5750)	1325	Head	1g	7.75	77.5	77.80	-0.39	
				10g	2.24	22.4	22.10	1.36	

SAR 3 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
2026-06-12	D5GHzV2 (5600)	1325	Head	1g	8.45	84.5	81.30	3.94	
				10g	2.48	24.8	23.30	6.44	
2026-06-12	D5GHzV2 (5750)	1325	Head	1g	7.29	72.9	77.80	-6.30	
				10g	2.16	21.6	22.10	-2.26	
2026-06-12	D5GHzV2 (5800)	1325	Head	1g	7.42	74.2	81.00	-8.40	3
				10g	2.18	21.8	22.90	-4.80	
2026-06-15	D5GHzV2 (5250)	1325	Head	1g	7.90	79.0	78.00	1.28	
				10g	2.31	23.1	22.30	3.59	
2026-06-15	D5GHzV2 (5600)	1325	Head	1g	8.35	83.5	81.30	2.71	
				10g	2.41	24.1	23.30	3.43	
2026-06-17	D5GHzV2 (5750)	1325	Head	1g	7.62	76.2	77.80	-2.06	
				10g	2.24	22.4	22.10	1.36	
2026-06-17	D5GHzV2 (5800)	1325	Head	1g	8.11	81.1	81.00	0.12	
				10g	2.35	23.5	22.90	2.62	
2026-06-18	D5GHzV2 (5600)	1325	Head	1g	8.12	81.2	81.30	-0.12	
				10g	2.33	23.3	23.30	0.00	
2026-06-18	D5GHzV2 (5800)	1325	Head	1g	7.60	76.0	81.00	-6.17	
				10g	2.17	21.7	22.90	-5.24	

SAR 4 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
2026-06-10	D5250V2	1325	Head	1g	8.18	81.8	78.00	4.87	4
				10g	2.42	24.2	22.30	8.52	
	D5600V2	1325	Head	1g	7.85	78.5	81.30	-3.44	
				10g	2.29	22.9	23.30	-1.72	
	D5750V2	1325	Head	1g	7.59	75.9	77.80	-2.44	
				10g	2.21	22.1	22.10	0.00	
	D5800V2	1325	Head	1g	7.72	77.2	81.00	-4.69	
				10g	2.23	22.3	22.90	-2.62	
2026-06-15	D5250V2	1325	Head	1g	7.64	76.4	78.00	-2.05	
				10g	2.31	23.1	22.30	3.59	
	D5600V2	1325	Head	1g	8.12	81.2	81.30	-0.12	
				10g	2.40	24.0	23.30	3.00	
2026-06-23	D2450V2	960	Head	1g	5.16	51.6	51.80	-0.39	
				10g	2.51	25.1	24.40	2.87	
2026-06-23	D2450V2	960	Head	1g	5.16	51.6	51.80	-0.39	
				10g	2.51	25.1	24.40	2.87	
2026-06-24	D2450V2	960	Head	1g	5.53	55.3	51.80	6.76	5
				10g	2.30	23.0	24.40	-5.74	
2026-06-25	D2450V2	960	Head	1g	4.95	49.5	51.80	-4.44	
				10g	2.37	23.7	24.40	-2.87	
2026-06-26	D2450V2	960	Head	1g	5.07	50.7	51.80	-2.12	
				10g	2.42	24.2	24.40	-0.82	
2026-06-26	D5750V2	1325	Head	1g	8.10	81.0	77.80	4.11	
				10g	2.30	23.0	22.10	4.07	
2026-06-29	D5750V2	1325	Head	1g	7.68	76.8	77.80	-1.29	
				10g	2.20	22.0	22.10	-0.45	
2026-06-29	D5750V2	1325	Head	1g	7.84	78.4	81.00	-3.21	
				10g	2.22	22.2	22.90	-3.06	

SAR 6 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
2026-06-17	D2450V2	939	Head	1g	5.07	50.7	52.20	-2.87	6
				10g	2.51	25.1	24.40	2.87	
2026-06-19	D2450V2	939	Head	1g	5.21	52.1	52.20	-0.19	
				10g	2.59	25.9	24.40	6.15	

SAR 9 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
2026-06-08	D6.5GHzV2	1005	Head	1g	28.50	285.0	301.00	-5.32	
				8g	6.84	68.4	67.60	1.18	
				10g	5.68	56.8	55.70	1.97	
				APD(4cm^2)	137.00	1370.0	1350.00	1.48	
2026-06-09	D6.5GHzV2	1005	Head	1g	29.20	292.0	301.00	-2.99	
				8g	6.87	68.7	67.60	1.63	
				10g	5.69	56.9	55.70	2.15	
				APD(4cm^2)	137.00	1370.0	1350.00	1.48	
2026-06-10	D6.5GHzV2	1005	Head	1g	29.40	294.0	301.00	-2.33	
				8g	7.08	70.8	67.60	4.73	
				10g	5.88	58.8	55.70	5.57	
				APD(4cm^2)	142.00	1420.0	1350.00	5.19	
2026-06-11	D6.5GHzV2	1005	Head	1g	29.70	297.0	301.00	-1.33	
				8g	7.04	70.4	67.60	4.14	
				10g	5.84	58.4	55.70	4.85	
				APD(4cm^2)	141.00	1410.0	1350.00	4.44	
2026-06-17	D6.5GHzV2	1005	Head	1g	28.50	285.0	301.00	-5.32	
				8g	6.55	65.5	67.60	-3.11	
				10g	5.42	54.2	55.70	-2.69	
				APD(4cm^2)	131.00	1310.0	1350.00	-2.96	
2026-06-29	D6.5GHzV2	1005	Head	1g	30.60	306.0	301.00	1.66	
				8g	7.11	71.1	67.60	5.18	7
				10g	5.90	59.0	55.70	5.92	
				APD(4cm^2)	142.00	1420.0	1350.00	5.19	

SAR 10 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
2026-06-19	D5GHzV2 (5250)	1209	Head	1g	7.98	79.8	79.20	0.76	
				10g	2.35	23.5	22.40	4.91	
2026-06-19	D5GHzV2 (5750)	1209	Head	1g	7.77	77.7	78.20	-0.64	
				10g	2.24	22.4	22.00	1.82	
2026-06-21	D2450V2	939	Head	1g	5.11	51.1	52.20	-2.11	8
				10g	2.46	24.6	24.40	0.82	
2026-06-22	D5GHzV2 (5600)	1209	Head	1g	8.26	82.6	80.70	2.35	
				10g	2.39	23.9	22.90	4.37	
2026-06-22	D5GHzV2 (5750)	1209	Head	1g	7.87	78.7	78.20	0.64	
				10g	2.32	23.2	22.00	5.45	
2026-06-22	D5GHzV2 (5800)	1209	Head	1g	8.33	83.3	80.10	4.00	
				10g	2.39	23.9	22.60	5.75	
2026-06-23	D5GHzV2 (5250)	1209	Head	1g	7.59	75.9	79.20	-4.17	
				10g	2.26	22.6	22.40	0.89	
2026-06-23	D5GHzV2 (5600)	1209	Head	1g	8.15	81.5	80.70	0.99	
				10g	2.38	23.8	22.90	3.93	
2026-06-23	D5GHzV2 (5750)	1209	Head	1g	7.66	76.6	78.20	-2.05	
				10g	2.23	22.3	22.00	1.36	
2026-06-23	D5GHzV2 (5800)	1209	Head	1g	7.55	75.5	80.10	-5.74	
				10g	2.17	21.7	22.60	-3.98	
2026-06-24	D5GHzV2 (5600)	1209	Head	1g	8.07	80.7	80.70	0.00	
				10g	2.33	23.3	22.90	1.75	
2026-06-24	D5GHzV2 (5750)	1209	Head	1g	7.70	77.0	78.20	-1.53	
				10g	2.22	22.2	22.00	0.91	
2026-06-24	D5GHzV2 (5800)	1209	Head	1g	8.06	80.6	80.10	0.62	
				10g	2.33	23.3	22.60	3.10	
2026-06-25	D5GHzV2 (5600)	1209	Head	1g	7.74	77.4	80.70	-4.09	
				10g	2.25	22.5	22.90	-1.75	
2026-06-25	D5GHzV2 (5750)	1209	Head	1g	7.16	71.6	78.20	-8.44	9
				10g	2.09	20.9	22.00	-5.00	
2026-06-25	D5GHzV2 (5800)	1209	Head	1g	7.90	79.0	80.10	-1.37	
				10g	2.29	22.9	22.60	1.33	
2026-06-26	D5GHzV2 (5250)	1209	Head	1g	8.00	80.0	79.20	1.01	
				10g	2.36	23.6	22.40	5.36	
2026-06-26	D5GHzV2 (5600)	1209	Head	1g	7.79	77.9	80.70	-3.47	
				10g	2.28	22.8	22.90	-0.44	
2026-06-29	D5GHzV2 (5250)	1209	Head	1g	7.61	76.1	79.20	-3.91	
				10g	2.25	22.5	22.40	0.45	
2026-06-29	D5GHzV2 (5600)	1209	Head	1g	8.19	81.9	80.70	1.49	
				10g	2.40	24.0	22.90	4.80	

8.3. IPD System Check

Per Nov 2017,TCB Workshop

System validation is required before a system is deployed for measurement
System check is also required before each series of continuous measurement and, as applicable, repeated at least weekly
Peak and spatially averaged power density at the peak location(s) must be compared to calibrated results according to the defined test conditions

– the same spatial resolution and measurement region used in the waveguide calibration should be applied to system validation and system check
– 4 cm^2 spatial averaging have been used according to FCC requirement.
– power density distribution should also be verified, both spatially (shape) and numerically (level) through visual inspection for noticeable differences
– The Horn antenna input power (forward power) was 100mW.
– The measured psPDn+, psPDtot+, and psPDmod+ values over 1 cm^2 or 4 cm^2 for the desired averaging geometry are compared to the calibrated value and expected to be within ± 10%.

Reference Target PD Values

Per the manufacturer's guide, the target value of the calibration report was converted to a value of 100mW input power.

5G verification Source	Serial No.	Cal. Due Date	Freq. (MHz)	Averaging area	Prad (mW)	Input power (mW)	Target PD Values (W/m^2)		Note
							1 cm^2	4 cm^2	
10GHz	1022	2027-03-12	10000	Circular	93.3		57.10	53.40	Cal.report target
10GHz	1022	2027-03-12	10000	Circular		100	61.20	57.23	Convert target from Cal.report

SAR 9 Room

Date	Sorce SN	Sorce Cal. Due Date	Input Power (mW)	Measured Results for 1cm^2 (W/m^2)	**Target (Ref. Value)** (W/m^2)	**Delta ±10 %**	Measured Total psPD for 4cm^2 (W/m^2)	**Target (Ref. Value)** (W/m^2)	**Delta ±10 %**	visual inspection	Plot No.
2026-06-12	1022	2027-03-12	100.0	61.2	63.13	-7.03	53.0	57.23	-7.40	confirmed	10

Note(s):
psPD value used the ps_{tot} avg value of test result plot.

9. Conducted Output Power Measurements

9.1. Wi-Fi 2.4 GHz (DTS Band)

WLAN SISO Measured Output Power Results

Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power								
					Maximum Allowed Average power (dBm)								
					Max Power			Reduced power (Grip Sensor)			Reduced power (RSDB)		
					Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
WiFi 2.4 GHz SISO 1	802.11b	1 Mbps	1	2412.0	17.89	19.0	Yes	11.93	12.5	Yes	10.48	11.0	Yes
			6	2437.0	18.10			11.85			10.56		
			11	2462.0	18.08			11.89			10.51		
	802.11g	6 Mbps	Not Required		Not Required	18.0	No	Not Required	12.5	No	Not Required	11.0	No
	802.11n	MCS 0											
	802.11ax	MCS 0											
	802.11be	MCS 0											
WiFi 2.4 GHz SISO 2	802.11b	1 Mbps	1	2412.0	18.24	19.0	Yes	11.83	12.5	Yes	10.60	11.0	Yes
			6	2437.0	18.20			11.86			10.62		
			11	2462.0	17.85			11.76			10.58		
	802.11g	6 Mbps	Not Required		Not Required	18.0	No	Not Required	12.5	No	Not Required	11.0	No
	802.11n	MCS 0											
	802.11ax	MCS 0											
	802.11be	MCS 0											

WLAN MIMO Measured Output Power Results

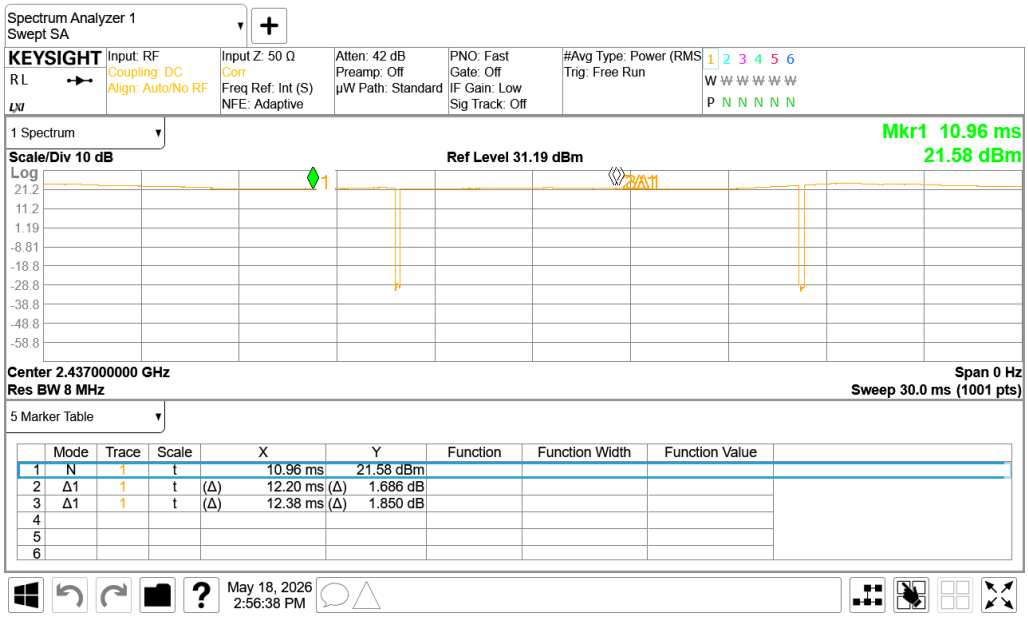
Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power								
					Maximum Allowed Average power (dBm)								
					Max Power			Reduced power (Grip Sensor)			Reduced power (RSDB)		
					Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
WiFi 2.4 GHz SISO 1	802.11b	1 Mbps	1	2412.0	17.80	19.0	Yes	11.83	12.5	Yes	10.57	11.0	Yes
			6	2437.0	17.99			11.81			10.53		
			11	2462.0	17.93			11.76			10.55		
	802.11g	6 Mbps	Not Required		Not Required	18.0	No	Not Required	12.5	No	Not Required	11.0	No
	802.11n	MCS 0											
	802.11ax	MCS 0											
	802.11be	MCS 0											
WiFi 2.4 GHz SISO 2	802.11b	1 Mbps	1	2412.0	18.54	19.0	Yes	11.78	12.5	Yes	10.62	11.0	Yes
			6	2437.0	18.09			11.65			10.56		
			11	2462.0	18.37			11.72			10.51		
	802.11g	6 Mbps	Not Required		Not Required	18.0	No	Not Required	12.5	No	Not Required	11.0	No
	802.11n	MCS 0											
	802.11ax	MCS 0											
	802.11be	MCS 0											

Wi-Fi 2.4 GHz (DTS Bands) (Continued)

Duty Factor Measured Result

Mode	T on (ms)	Period (ms)	Maximum Duty Cyle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11b	12.200	12.380	100.00%	98.55%	1.01

Duty Cycle plots (802.11b)



9.2. Wi-Fi 5GHz (U-NII Bands)

WLAN SISO Ant.1 Measured Output Power Results

Antenna	Band (GHz)	Mode	Data Rate	Maximum Allowed Averag power (dBm)														
				Max power					Reduced power (Grip Sensor)					Reduced power (RSDB)				
				Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5 GHz SISO 1	5.3 (UNII 2A)	802.11a	6 Mbps	52	5260.0	17.17	18.0	Yes		Not Required		9.5	No		Not Required		7.0	No
				56	5280.0	17.11				Not Required		9.5	No		Not Required		7.0	No
				60	5300.0	16.96				Not Required		9.5	No		Not Required		7.0	No
				64	5320.0	16.94				Not Required		9.5	No		Not Required		7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	58	5290.0	8.70	9.5	Yes	58	5290.0	6.83	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ax (HE40)	MCS 0	Not Required			16.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11be (EHT40)	MCS 0	Not Required			16.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
	UNII 1 & UNII 2A	802.11ac (VHT160)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ax (HE160)	MCS 0	Not Required			14.0	No		Not Required		9.5			Not Required		7.0	
		802.11be (EHT160)	MCS 0	Not Required			14.0	No		Not Required		9.5	No		Not Required		7.0	No
	5.5 (U-NII 2C)	802.11a	6 Mbps	100	5500.0	16.93	18.0	Yes		Not Required		8.5	No		Not Required		7.0	No
				120	5600.0	17.05				Not Required		8.5	No		Not Required		7.0	No
				124	5620.0	16.98				Not Required		8.5	No		Not Required		7.0	No
				144	5720.0	17.34				Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	106	5530.0	7.82	8.5	Yes	106	5530.0	6.78	7.0	Yes
									122	5610.0	7.69			122	5610.0	6.72		
									138	5690.0	7.45			138	5690.0	6.81		
		802.11ac (VHT160)	MCS 0	Not Required			13.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE160)	MCS 0	Not Required			12.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT160)	MCS 0	Not Required			12.0	No		Not Required		8.5	No		Not Required		7.0	No
	5.8 (U-NII 3)	802.11a	6 Mbps	149	5745.0	16.90	18.0	Yes		Not Required		8.5	No		Not Required		7.0	No
				157	5785.0	17.09				Not Required		8.5	No		Not Required		7.0	No
				165	5825.0	17.03				Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	155	5775.0	7.62	8.5	Yes	155	5775.0	6.77	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
	5.9 (U-NII 4)	802.11a	6 Mbps	169.0	5845.0	17.01	18.0	Yes		Not Required		8.5	No		Not Required		7.0	No
				173.0	5865.0	17.10				Not Required		8.5	No		Not Required		7.0	No
				177.0	5885.0	16.86				Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	171	5855.0	7.79	8.5	Yes	171	5855.0	6.81	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
	UNII 3 & UNII 4	802.11ac (VHT160)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE160)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No

Wi-Fi 5GHz (U-NII Bands) (Continued)

WLAN SISO Ant.2 Measured Output Power Results

Antenna	Band (GHz)	Mode	Data Rate	Maximum Allowed Averag power (dBm)														
				Max power					Reduced power (Grip Sensor)					Reduced power (RSDB)				
				Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5 GHz SISO 2	5.3 (UNII 2A)	802.11a	6 Mbps	52	5260.0	17.00	18.0	Yes	Not Required			9.5	No	Not Required			7.0	No
				56	5280.0	17.06			Not Required			9.5	No	Not Required			7.0	No
				60	5300.0	17.09			Not Required			9.5	No	Not Required			7.0	No
				64	5320.0	17.12			Not Required			9.5	No	Not Required			7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	58	5290.0	8.30	9.5	Yes	58	5290.0	6.53	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ax (HE40)	MCS 0	Not Required			16.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11be (EHT40)	MCS 0	Not Required			16.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
	UNII 1 & UNII 2A	802.11ac (VHT160)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ax (HE160)	MCS 0	Not Required			14.0	No	Not Required			9.5		Not Required			7.0	
		802.11be (EHT160)	MCS 0	Not Required			14.0	No	Not Required			9.5	No	Not Required			7.0	No
	5.5 (U-NII 2C)	802.11a	6 Mbps	100	5500.0	17.15	18.0	Yes	Not Required			8.5	No	Not Required			7.0	No
				120	5600.0	16.93			Not Required			8.5	No	Not Required			7.0	No
				124	5620.0	17.12			Not Required			8.5	No	Not Required			7.0	No
				144	5720.0	17.10			Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	106	5530.0	7.74	8.5	Yes	106	5530.0	6.38	7.0	Yes
									122	5610.0	7.68			122	5610.0	6.42		
									138	5690.0	7.55			138	5690.0	6.39		
		802.11ac (VHT160)	MCS 0	Not Required			13.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE160)	MCS 0	Not Required			12.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT160)	MCS 0	Not Required			12.0	No	Not Required			8.5	No	Not Required			7.0	No
	5.8 (U-NII 3)	802.11a	6 Mbps	149	5745.0	17.25	18.0	Yes	Not Required			8.5	No	Not Required			7.0	No
				157	5785.0	17.22			Not Required			8.5	No	Not Required			7.0	No
				165	5825.0	17.28			Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	155	5775.0	8.02	8.5	Yes	155	5775.0	6.51	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
	5.9 (U-NII 4)	802.11a	6 Mbps	169.0	5845.0	17.35	18.0	Yes	Not Required			8.5	No	Not Required			7.0	No
				173.0	5865.0	17.39			Not Required			8.5	No	Not Required			7.0	No
				177.0	5885.0	17.43			Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	171	5855.0	7.98	8.5	Yes	171	5855.0	6.38	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
	UNII 3 & UNII 4	802.11ac (VHT160)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE160)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No

Wi-Fi 5GHz (U-NII Bands) (Continued)

WLAN MIMO Ant.1 Measured Output Power Results

Antenna	Band (GHz)	Mode	Data Rate	Maximum Allowed Averag power (dBm)														
				Max power					Reduced power (Grip Sensor)					Reduced power (RSDB)				
				Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5 GHz MIMO 1	5.3 (UNII 2A)	802.11a	6 Mbps	52	5260.0	17.41	18.0	Yes	Not Required			9.5	No	Not Required			7.0	No
				56	5280.0	17.24			Not Required			9.5	No	Not Required			7.0	No
				60	5300.0	17.35			Not Required			9.5	No	Not Required			7.0	No
				64	5320.0	17.19			Not Required			9.5	No	Not Required			7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	58	5290.0	8.71	9.5	Yes	58	5290.0	6.78	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ax (HE40)	MCS 0	Not Required			16.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11be (EHT40)	MCS 0	Not Required			16.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
	UNII 1 & UNII 2A	802.11ac (VHT160)	MCS 0	Not Required			15.0	No	Not Required			9.5	No	Not Required			7.0	No
		802.11ax (HE160)	MCS 0	Not Required			14.0	No	Not Required			9.5		Not Required			7.0	
		802.11be (EHT160)	MCS 0	Not Required			14.0	No	Not Required			9.5	No	Not Required			7.0	No
	5.5 (U-NII 2C)	802.11a	6 Mbps	100	5500.0	17.19	18.0	Yes	Not Required			8.5	No	Not Required			7.0	No
				120	5600.0	17.26			Not Required			8.5	No	Not Required			7.0	No
				124	5620.0	17.23			Not Required			8.5	No	Not Required			7.0	No
				144	5720.0	17.57			Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	106	5530.0	7.92	8.5	Yes	106	5530.0	6.71	7.0	Yes
									122	5610.0	8.03			122	5610.0	6.79		
									138	5690.0	8.22			138	5690.0	6.81		
		802.11ac (VHT160)	MCS 0	Not Required			13.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE160)	MCS 0	Not Required			12.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT160)	MCS 0	Not Required			12.0	No	Not Required			8.5	No	Not Required			7.0	No
	5.8 (U-NII 3)	802.11a	6 Mbps	149	5745.0	17.11	18.0	Yes	Not Required			8.5	No	Not Required			7.0	No
				157	5785.0	17.31			Not Required			8.5	No	Not Required			7.0	No
				165	5825.0	17.20			Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	155	5775.0	7.96	8.5	Yes	155	5775.0	6.83	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
	5.9 (U-NII 4)	802.11a	6 Mbps	169.0	5845.0	17.56	18.0	Yes	Not Required			8.5	No	Not Required			7.0	No
				173.0	5865.0	17.61			Not Required			8.5	No	Not Required			7.0	No
				177.0	5885.0	17.09			Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	171	5855.0	7.63	8.5	Yes	171	5855.0	6.73	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
	UNII 3 & UNII 4	802.11ac (VHT160)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No
		802.11ax (HE160)	MCS 0	Not Required			15.0	No	Not Required			8.5	No	Not Required			7.0	No

Wi-Fi 5GHz (U-NII Bands) (Continued)

WLAN MIMO Ant.2 Measured Output Power Results

Antenna	Band (GHz)	Mode	Data Rate	Maximum Allowed Averag power (dBm)														
				Max power					Reduced power (Grip Sensor)					Reduced power (RSDB)				
				Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5 GHz MIMO 2	5.3 (UNII 2A)	802.11a	6 Mbps	52	5260.0	17.02	18.0	Yes		Not Required		9.5	No		Not Required		7.0	No
				56	5280.0	16.46				Not Required		9.5	No		Not Required		7.0	No
				60	5300.0	17.12				Not Required		9.5	No		Not Required		7.0	No
				64	5320.0	17.16				Not Required		9.5	No		Not Required		7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	58	5290.0	8.36	9.5	Yes	58	5290.0	6.82	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ax (HE40)	MCS 0	Not Required			16.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11be (EHT40)	MCS 0	Not Required			16.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
	UNII 1 & UNII 2A	802.11ac (VHT160)	MCS 0	Not Required			15.0	No		Not Required		9.5	No		Not Required		7.0	No
		802.11ax (HE160)	MCS 0	Not Required			14.0	No		Not Required		9.5			Not Required		7.0	
		802.11be (EHT160)	MCS 0	Not Required			14.0	No		Not Required		9.5	No		Not Required		7.0	No
	5.5 (U-NII 2C)	802.11a	6 Mbps	100	5500.0	17.23	18.0	Yes		Not Required		8.5	No		Not Required		7.0	No
				120	5600.0	16.47				Not Required		8.5	No		Not Required		7.0	No
				124	5620.0	16.65				Not Required		8.5	No		Not Required		7.0	No
				144	5720.0	16.32				Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	106	5530.0	7.61	8.5	Yes	106	5530.0	6.73	7.0	Yes
									122	5610.0	7.58			122	5610.0	6.82		
									138	5690.0	7.51			138	5690.0	6.77		
		802.11ac (VHT160)	MCS 0	Not Required			13.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE160)	MCS 0	Not Required			12.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT160)	MCS 0	Not Required			12.0	No		Not Required		8.5	No		Not Required		7.0	No
	5.8 (U-NII 3)	802.11a	6 Mbps	149	5745.0	16.29	18.0	Yes		Not Required		8.5	No		Not Required		7.0	No
				157	5785.0	16.22				Not Required		8.5	No		Not Required		7.0	No
				165	5825.0	16.97				Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	155	5775.0	7.36	8.5	Yes	155	5775.0	6.88	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
	5.9 (U-NII 4)	802.11a	6 Mbps	169.0	5845.0	17.12	18.0	Yes		Not Required		8.5	No		Not Required		7.0	No
				173.0	5865.0	17.16				Not Required		8.5	No		Not Required		7.0	No
				177.0	5885.0	17.51				Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11n (HT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT20)	MCS 0	Not Required			18.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT40)	MCS 0	Not Required			17.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ac (VHT80)	MCS 0	Not Required			16.0	No	171	5855.0	7.16	8.5	Yes	171	5855.0	6.72	7.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT20)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT40)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11be (EHT80)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
	UNII 3 & UNII 4	802.11ac (VHT160)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No
		802.11ax (HE160)	MCS 0	Not Required			15.0	No		Not Required		8.5	No		Not Required		7.0	No

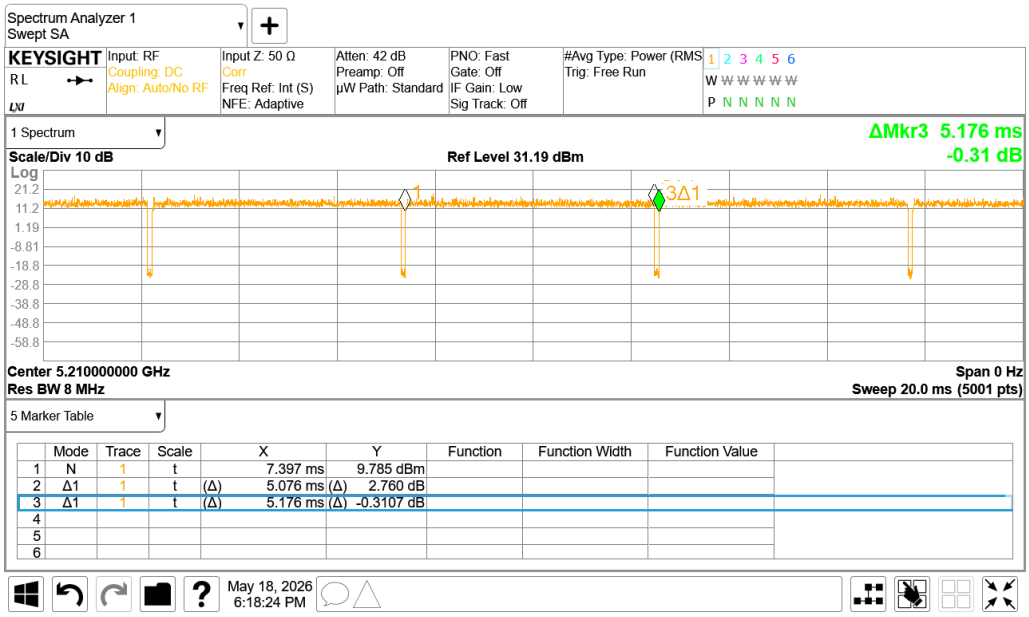
Wi-Fi 5GHz (U-NII Bands) (Continued)

Duty Factor Measured Results

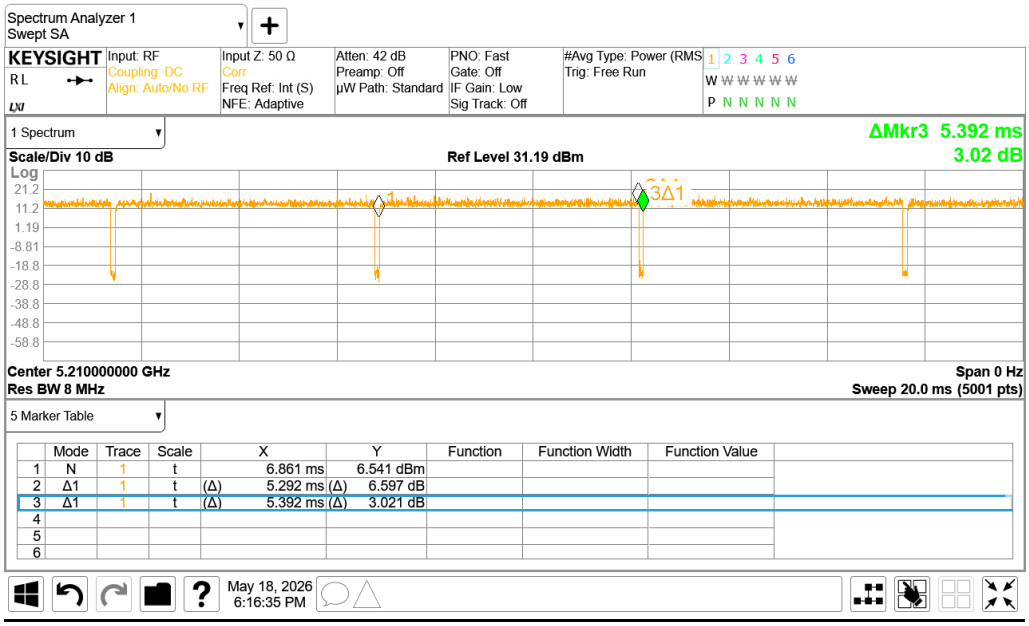
Mode	T on (ms)	Period (ms)	Maximum Duty Cyle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11a SISO	2.022	2.121	100.00%	95.33%	1.05
802.11ac VHT80 SISO	5.076	5.176	100.00%	98.07%	1.02
802.11ac VHT80 MIMO	5.292	5.392	100.00%	98.15%	1.02

Duty Cycle plots (802.11a)

Duty Cycle plots (802.11ac VHT80 SISO)



Duty Cycle plots (802.11ac VHT80 MIMO)



9.3. Wi-Fi 6GHz (U-NII Bands)

WLAN SISO Ant.1 Measured Output Power Results

Antenna	Band (GHz)	Mode		Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Averag power (dBm)			Ch #	Freq. (MHz)	Maximum Allowed Averag power (dBm)		
							Maximum Power					Reduced Power (Grip, RSDB)		
							Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)			Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
6 GHz SISO 1	UNII-5 (5.925-6.425 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	9.17		Yes	31	6105.0	7.07		Yes
					63	6265.0	9.16		Yes	63	6265.0	7.03		Yes
		SP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	9.17		Yes	31	6105.0	7.07		Yes
					63	6265.0	9.16		Yes	63	6265.0	7.03		Yes
		VLP	802.11a	6 Mbps	Not Required			6.0	No	Not Required			6.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	9.17		Yes	31	6105.0	7.07		Yes
					63	6265.0	9.16		Yes	63	6265.0	7.03		Yes
	UNII-6 (6.425-6.525 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	127	6585.0	9.15		Yes	127	6585.0	6.90		Yes
		VLP	802.11a	6 Mbps	Not Required			6.5	No	Not Required			6.5	No
			802.11ax (HE20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	127	6585.0	9.15		Yes	127	6585.0	6.90		Yes
	UNII-7 (6.525-6.885 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	9.06		Yes	159	6745.0	7.26		Yes
		SP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	9.06		Yes	159	6745.0	7.26		Yes
		VLP	802.11a	6 Mbps	Not Required			9.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required			10.0	No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			9.0	No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required			10.0	No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	9.06		Yes	159	6745.0	7.26		Yes
	UNII-8 (6.885-7.125 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	191	6905.0	8.92		Yes	191	6905.0	7.08		Yes
		VLP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	191	6905.0	8.92		Yes	191	6905.0	7.08		Yes

WLAN SISO Ant.2 Measured Output Power Results

Antenna	Band (GHz)	Mode		Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Averag power (dBm)			Ch #	Freq. (MHz)	Maximum Allowed Averag power (dBm)		
							Maximum Power					Reduced Power (Grip, RSDB)		
							Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)			Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
6 GHz SISO 2	UNII-5 (5.925-6.425 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	8.82		Yes	31	6105.0	7.10		Yes
					63	6265.0	8.86		Yes	63	6265.0	7.09		Yes
		SP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	8.82		Yes	31	6105.0	7.10		Yes
					63	6265.0	8.86		Yes	63	6265.0	7.09		Yes
		VLP	802.11a	6 Mbps	Not Required			6.0	No	Not Required			6.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11be (EHT40)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	8.82		Yes	31	6105.0	7.10		Yes
					63	6265.0	8.86		Yes	63	6265.0	7.09		Yes
	UNII-6 (6.425-6.525 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	127	6585.0	8.90		Yes	127	6585.0	7.04		Yes
		VLP	802.11a	6 Mbps	Not Required			6.5	No	Not Required			6.5	No
			802.11ax (HE20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	127	6585.0	8.90		Yes	127	6585.0	7.04		Yes
	UNII-7 (6.525-6.885 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	9.26		Yes	159	6745.0	6.87		Yes
		SP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	9.26		Yes	159	6745.0	6.87		Yes
		VLP	802.11a	6 Mbps	Not Required			9.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required			10.0	No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			9.0	No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required			10.0	No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	9.26		Yes	159	6745.0	6.87		Yes
	UNII-8 (6.885-7.125 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	191	6905.0	9.04		Yes	191	6905.0	7.07		Yes
		VLP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	191	6905.0	9.04		Yes	191	6905.0	7.07		Yes

Wi-Fi 6GHz (U-NII Bands) (Continued)

WLAN MIMO Ant.1 Measured Output Power Results

Antenna	Band (GHz)	Mode		Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Averag power (dBm)			Ch #	Freq. (MHz)	Maximum Allowed Averag power (dBm)		
							Maximum Power					Reduced Power (Grip, RSDB)		
							Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)			Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
6 GHz MIMO 2	UNII-5 (5.925-6.425 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	9.45		Yes	31	6105.0	6.63		Yes
					63	6265.0	9.46		Yes	63	6265.0	7.43		Yes
		SP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	9.45		Yes	31	6105.0	6.63		Yes
					63	6265.0	9.46		Yes	63	6265.0	7.43		Yes
		VLP	802.11a	6 Mbps	Not Required			6.0	No	Not Required			6.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	9.45		Yes	31	6105.0	6.63		Yes
					63	6265.0	9.46		Yes	63	6265.0	7.43		Yes
	UNII-6 (6.425-6.525 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	127	6585.0	8.46		Yes	127	6585.0	6.85		Yes
		VLP	802.11a	6 Mbps	Not Required			6.5	No	Not Required			6.5	No
			802.11ax (HE20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	127	6585.0	8.46		Yes	127	6585.0	6.85		Yes
	UNII-7 (6.525-6.885 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	8.88		Yes	159	6745.0	7.19		Yes
		SP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	8.88		Yes	159	6745.0	7.19		Yes
		VLP	802.11a	6 Mbps	Not Required			9.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required			10.0	No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			9.0	No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required			10.0	No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	8.88		Yes	159	6745.0	7.19		Yes
	UNII-8 (6.885-7.125 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	191	6905.0	9.21		Yes	191	6905.0	7.56		Yes
		VLP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	191	6905.0	9.21		Yes	191	6905.0	7.56		Yes

WLAN MIMO Ant.2 Measured Output Power Results

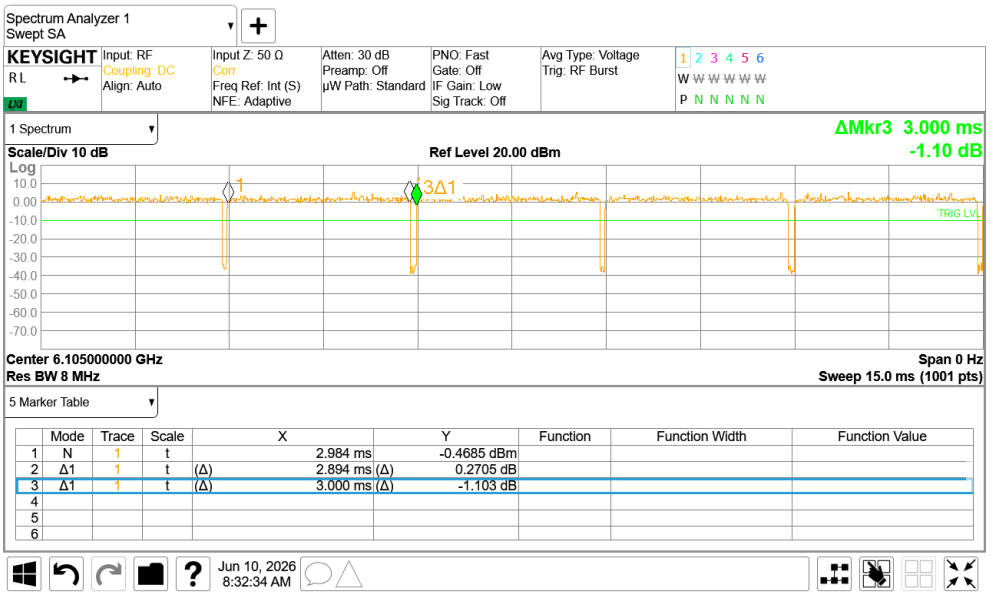
Antenna	Band (GHz)	Mode		Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Averag power (dBm)			Ch #	Freq. (MHz)	Maximum Allowed Averag power (dBm)		
							Maximum Power					Reduced Power (Grip, RSDB)		
							Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)			Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
6 GHz MIMO 2	UNII-5 (5.925-6.425 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	9.27		Yes	31	6105.0	6.79		Yes
					63	6265.0	9.19		Yes	63	6265.0	6.66		Yes
		SP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	9.27		Yes	31	6105.0	6.79		Yes
					63	6265.0	9.19		Yes	63	6265.0	6.66		Yes
		VLP	802.11a	6 Mbps	Not Required			6.0	No	Not Required			6.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11be (EHT40)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	31	6105.0	9.27		Yes	31	6105.0	6.79		Yes
					63	6265.0	9.19		Yes	63	6265.0	6.66		Yes
	UNII-6 (6.425-6.525 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	127	6585.0	9.16		Yes	127	6585.0	7.46		Yes
		VLP	802.11a	6 Mbps	Not Required			6.5	No	Not Required			6.5	No
			802.11ax (HE20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11ax (HE40)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			6.0	No	Not Required			6.0	No
			802.11be (EHT40)	MCS 0	Not Required			10.0	No	Not Required			8.0	No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	127	6585.0	9.16		Yes	127	6585.0	7.46		Yes
	UNII-7 (6.525-6.885 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	9.08		Yes	159	6745.0	7.34		Yes
		SP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	9.08		Yes	159	6745.0	7.34		Yes
		VLP	802.11a	6 Mbps	Not Required			9.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required			10.0	No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required			9.0	No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required			10.0	No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	159	6745.0	9.08		Yes	159	6745.0	7.34		Yes
	UNII-8 (6.885-7.125 GHz)	LPI	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	191	6905.0	8.85		Yes	191	6905.0	7.02		Yes
		VLP	802.11a	6 Mbps	Not Required			10.0	No	Not Required			8.0	No
			802.11ax (HE20)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE40)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE80)	MCS 0	Not Required				No	Not Required				No
			802.11ax (HE160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT20)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT40)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT80)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT160)	MCS 0	Not Required				No	Not Required				No
			802.11be (EHT320)	MCS 0	191	6905.0	8.85		Yes	191	6905.0	7.02		Yes

Wi-Fi 6GHz (U-NII Bands) (Continued)

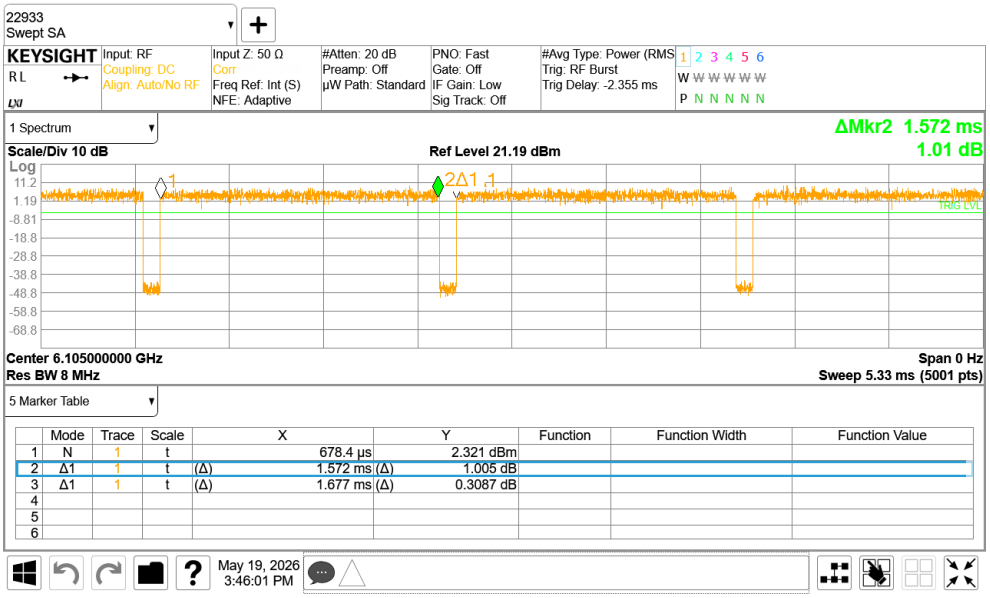
Duty Factor Measured Results

Mode	T on (ms)	Period (ms)	Maximum Duty Cyle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11be EHT 320 SISO	2.894	3.000	100.00%	96.47%	1.04
802.11be EHT 320 MIMO	1.572	1.677	100.00%	93.74%	1.07

Duty Cycle plots (802.11be EHT 320 SISO)



Duty Cycle plots (802.11be EHT 320 MIMO)



9.4. Bluetooth

Bluetooth(Bluetooth Low Energy) SISO Output Power Results

Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)							
					Max power		SAR test	Reduced power(Grip Sensor)		SAR test	Reduced power(WIFI 5GHz, 6GHz)	
					Meas Pwr	Tune-up Limit		Meas Pwr	Tune-up Limit		Meas Pwr	Tune-up Limit
BT SISO 1	Bluetooth(BDR)	1Mbps	0	2402	18.43	19.50	Yes	Not required	10.00	No	Not required	7.00
			39	2441	18.86							
			78	2480	19.07							
	Bluetooth(EDR)	2Mbps	0	2402	Not required	16.50	No		11.00			8.00
			39	2441								
			78	2480								
		3Mbps	0	2402		16.50						
			39	2441								
			78	2480								
	Bluetooth(LE)	1Mbps	0	2402	Not required	14.00		Not required	10.00	No	Not required	7.00
			17	2440								
			39	2480		13.00						
		2Mbps	0	2402		14.00						
			17	2440								
			39	2480		13.00						
		125kbps	0	2402		14.00		8.80		Yes	6.14	
			17	2440				9.59			6.76	
			39	2480				8.36			5.89	
		500kbps	0	2402				Not required		No	Not required	
			17	2440								
			39	2480								
BT SISO 2	Bluetooth(BDR)	1Mbps	0	2402	17.75	18.50	Yes	Not required	10.00	No	Not required	7.00
			39	2441	18.00							
			78	2480	17.86							
	Bluetooth(EDR)	2Mbps	0	2402	Not required	15.50	No					
			39	2441								
			78	2480								
		3Mbps	0	2402		15.50						
			39	2441								
			78	2480								
	Bluetooth(LE)	1Mbps	0	2402	Not required	14.00		Not required		No	Not required	
			17	2440								
			39	2480		13.00						
		2Mbps	0	2402		14.00						
			17	2440								
			39	2480		13.00						
		125kbps	0	2402		14.00		9.28		Yes	6.65	
			17	2440				9.51			6.84	
			39	2480				8.72			6.12	
		500kbps	0	2402				Not required		No	Not required	
			17	2440								
			39	2480								

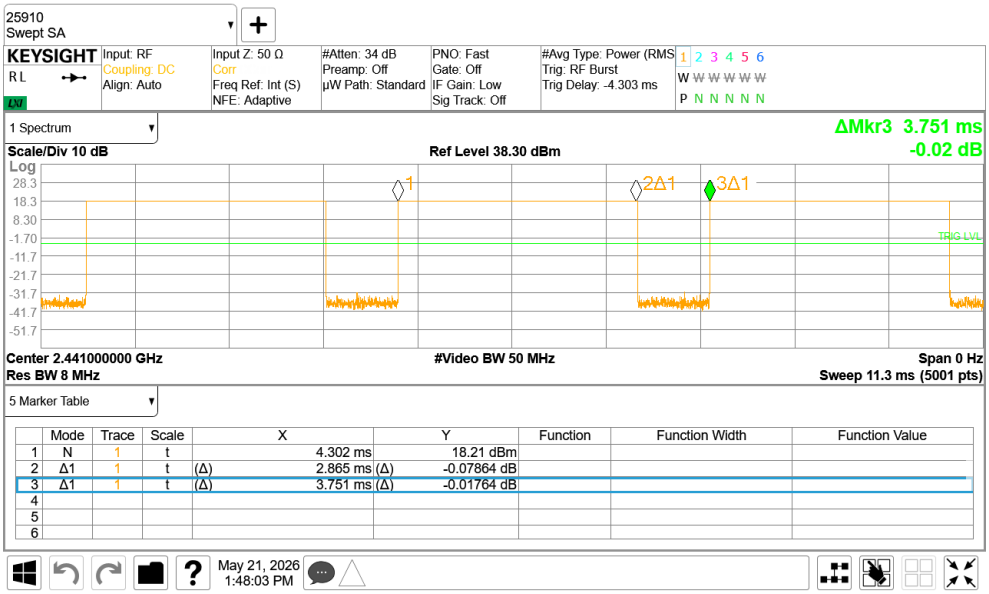
Bluetooth(Bluetooth Low Energy) MIMO Output Power Results

Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)							
					Max power		SAR test	Reduced power(Grip Sensor)		SAR test	Reduced power(WIFI 5GHz, 6GHz)	
					Meas Pwr	Tune-up Limit		Meas Pwr	Tune-up Limit		Meas Pwr	Tune-up Limit
BT MIMO 1	Bluetooth(BDR)	1Mbps	0	2402	12.06	13.00	Yes	Not required	10.00	No	Not required	7.00
			39	2441	13.57	14.00						
			78	2480	11.52	13.00						
	Bluetooth(EDR)	2Mbps	0	2402	Not required	10.00	No	9.05		No		8.00
			39	2441		11.00		10.56	11.00			
			78	2480				10.30				
		3Mbps	0	2402		10.00		9.13	10.00	Yes		
			39	2441		11.00		10.63	11.00			
			78	2480				10.36				
	Bluetooth(LE)	1Mbps	0	2402	Not required	9.50		Not required	9.50	No	Not required	7.00
			17	2440								
			39	2480								
		2Mbps	0	2402								
			17	2440								
			39	2480								
		125kbps	0	2402		9.00			9.00		6.21	
			17	2440							6.82	
			39	2480							5.83	
		500kbps	0	2402							Not required	
			17	2440								
			39	2480								
BT MIMO 2	Bluetooth(BDR)	1Mbps	0	2402	11.89	13.00	Yes	Not required	10.00	No		7.00
			39	2441	9.07	11.00						
			78	2480	12.30	13.00						
	Bluetooth(EDR)	2Mbps	0	2402	Not required	10.00	No	8.83		No	Not required	
			39	2441		7.00		6.10	7.00			
			78	2480		10.00		9.33	10.00			
		3Mbps	0	2402				8.91		Yes		
			39	2441		7.00		6.17	7.00			
			78	2480		10.00		9.39	10.00			
	Bluetooth(LE)	1Mbps	0	2402	Not required	8.00		Not required	8.00	No	Not required	
			17	2440								
			39	2480								
		2Mbps	0	2402								
			17	2440								
			39	2480								
		125kbps	0	2402		7.00			7.00		6.31	
			17	2440							6.21	
			39	2480							6.38	
		500kbps	0	2402							Not required	
			17	2440								
			39	2480								

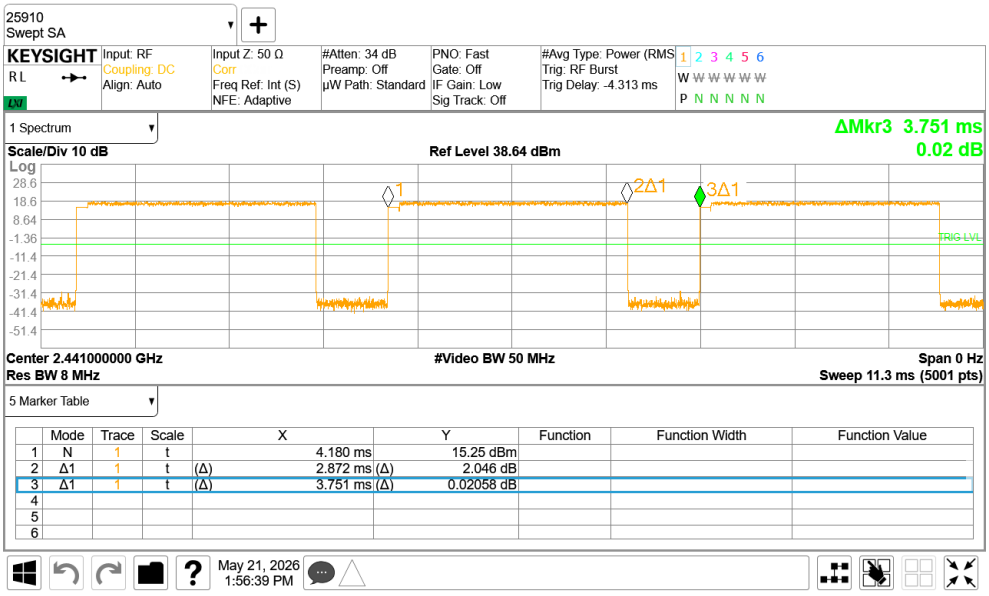
Duty Factor Measured Results

Mode	T on (ms)	Period (ms)	Maximum Duty Cyle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
BT- BDR	2.865	3.751	77.00%	76.38%	1.01
BT- EDR	2.872	3.751	77.00%	76.57%	1.01
BLE- 125kbps	17.010	17.500	97.40%	97.20%	1.00

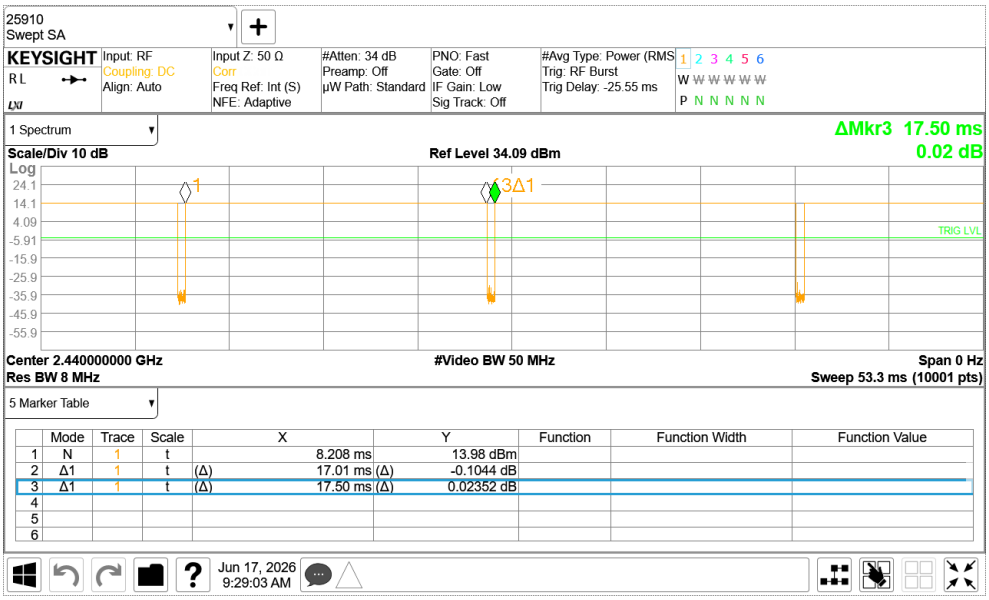
Duty Cycle plots (BT- BDR)



Duty Cycle plots (BT- EDR)



Duty Cycle plots (BLE– 1M 255pkt)



Note(s):

Maximum Duty Cycle is mentioned in Operational description. Detail of BT Duty Cycle refer to Operational description.

10. Measured and Reported (Scaled) SAR Results

SAR Test Reduction Criteria are as Follows:

- Reported SAR(W/kg) for WWAN= Measured SAR *Tune-up Scaling Factor
- Reported SAR(W/kg) for Wi-Fi and Bluetooth= Measured SAR * Tune-up scaling factor * Duty Cycle scaling factor
- Wi-Fi Duty Cycle scaling factor = 1 / Duty cycle (%)
- BT Duty Cycle scaling factor = Maximum Duty cycle / Duty cycle (%)

KDB 447498 D04 Interim General RF Exposure Guidance:

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

KDB 248227 D01 SAR meas for 802.11:

The SAR measurement and test reduction procedures are structured according to either the DSSS or OFDM transmission mode configurations used in each standalone frequency band and aggregated band. SAR is measured using the highest measured maximum output power channel for the initial test configuration. SAR measurement and test reduction for the remaining 802.11 modes and test channels are determined according to measured or specified maximum output power and reported SAR of the initial measurements. The general test reduction and SAR measurement approaches are summarized in the following:

- 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 OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, an “initial test configuration” is first determined for each standalone and aggregated frequency band according to the maximum output power and tune-up tolerance specified for production units.
- The Initial test configuration does not apply to DSSS. The 2.4 GHz band SAR test requirements and 802.11b DSSS procedures are used to establish the transmission configurations required for SAR measurement.
- An “initial test position” is applied to further reduce the number of SAR tests for devices operating in next to the ear, UMPC mini-tablet or hotspot mode exposure configurations that require multiple test positions.
  - SAR is measured for 802.11b according to the 2.4 GHz DSSS procedure using the exposure condition established by the initial test position.
  - SAR is measured for 2.4 GHz and 5 GHz OFDM configurations using the initial test configuration.
- The Initial test position does not apply to devices that require a fixed exposure test position.
- The “subsequent test configuration” procedures are applied to determine if additional SAR measurements are required for the remaining OFDM transmission modes that have not been tested in the initial test configuration.
- When the specified maximum output power is the same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the reported SAR for UNII 2A is ≤ 1.2 W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.
- When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is ≤ 1.2 W/kg, testing for the band with the lower specified output power is not required; otherwise test the remaining bands independently for SAR.

Initial Test Position Test Requirements

The multiple test positions require SAR measurements in head, hotspot mode or UMPC mini-tablet configurations may be reduced according to the highest reported SAR determined using the initial test position(s) by applying the DSSS or OFDM SAR measurement procedures in the required wireless mode test configuration(s). The initial test position(s) is measured using the highest measured maximum output power channel in the required wireless mode test configuration(s). When the reported SAR for 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 wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.
- > 0.4 W/kg, SAR is repeated using the same wireless mode test 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 reported SAR is ≤ 0.8 W/kg or all required test positions are tested.
  - For subsequent test positions with equivalent test separation distance or when exposure is dominated by coupling conditions, the position for maximum coupling condition should be tested.

- When it is unclear, all equivalent conditions must be tested.

- For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required test channels are considered.
  - The additional power measurements required for this step should be limited to those necessary for identifying subsequent highest output power channels to apply the test reduction.
- When the specified maximum output power is the same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the reported SAR for UNII 2A is ≤ 1.2 W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.
- When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is ≤ 1.2 W/kg, testing for the band with the lower specified output power is not required; otherwise test the remaining bands independently for SAR.

802.11b DSSS SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure.

- When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel.

OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements

The initial test configuration for 2.4 GHz and 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band. When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined by applying the following steps sequentially.

- The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same specified maximum output power.
- If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
- If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
- When multiple transmission modes (802.11a/g/n/ac/ax/be) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected.

After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following.

- The channel closest to mid-band frequency is selected for SAR measurement.
- For channels with equal separation from mid-band frequency the higher frequency (number) channel is selected for SAR measurement.

Initial Test Configuration Procedures

An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. For configurations with the same specified or measured maximum output power, additional transmission mode and test channel selection procedures are required. SAR test reduction for subsequent highest output test channels is determined according to reported SAR of the initial test configuration.

- When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for subsequent next highest measured output power channel(s) in the initial test configuration until reported SAR is ≤ 1.2 W/kg or all required channels are tested.

Subsequent Test Configuration Procedures

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure

condition, according to the maximum output power specified for production units. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration.

- When SAR test exclusion provisions of KDB Publication 447498 D01 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
- When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.
- When SAR measurement is required for a subsequent test configuration and the channel bandwidth is smaller than that in the initial test configuration, all channels in the subsequent test configuration that overlap with the larger bandwidth channel tested in the initial test configuration should be used to determine the highest maximum output power channel.
    - SAR should first be measured for the channel with highest measured output power in the subsequent test configuration.
    - SAR for subsequent highest measured maximum output power channels in the subsequent test configuration is required only when the reported SAR of the preceding higher maximum output power channel(s) in the subsequent test configuration is > 1.2 W/kg or until all required channels are tested. For channels with the same measured maximum output power, SAR should be measured using the channel closest to the center frequency of the larger channel bandwidth channel in the initial test configuration.
- SAR measurements for the remaining highest specified maximum output power OFDM transmission mode configurations that have not been tested in the initial test configuration or subsequent test configuration is determined by recursively applying the subsequent test configuration procedures in this subclause to the remaining configurations according to the following:
    - replace “subsequent test configuration” with “next subsequent test configuration”
    - replace “initial test configuration” with “all tested higher output power configurations”

WLAN/BT Bands SAR test additional considerations

1. Reported SAR of MIMO mode conservatively scaled up from the lower measured output power between both antennas.
2. For some test positions exclude from testing under Initial test position procedure, additional Zoom scans were measured to satisfy simultaneous transmission analysis.
3. UNII 6GHz Bands tested 5 channels at the worst configuration of each RF exposure in accordance with FCC guide.
4. BT/BLE SAR test performed at worst frame averaged power mode.

10.1. Wi-Fi (DTS Band)

DTS SISO

Maximum Power

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11b 1Mbps	On	0	Rear	1	2412.0	0.634	98.55%	12.50	11.93	0.498	0.576	
SISO1	Standalone 0 mm	802.11b 1Mbps	On	0	Top	1	2412.0	0.232	98.55%	12.50	11.93	0.157	0.182	
SISO1	Standalone 0 mm	802.11b 1Mbps	On	0	Left	1	2412.0	**0.798**	98.55%	12.50	11.93	0.587	0.679	1
SISO1	Standalone 'N' mm	802.11b 1Mbps	Off	14	Rear	6	2437.0	0.085	98.55%	19.00	18.10	0.066	0.082	
SISO1	Standalone 'N' mm	802.11b 1Mbps	Off	19	Top	6	2437.0	0.039	98.55%	19.00	18.10	0.025	0.031	
SISO1	Standalone 'N' mm	802.11b 1Mbps	Off	9	Left	6	2437.0	**0.156**	98.55%	19.00	18.10	0.131	0.164	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11b 1Mbps	On	0	Rear	1	2412.0	0.539	98.55%	12.50	11.83	0.407	0.482	
SISO2	Standalone 0 mm	802.11b 1Mbps	On	0	Rear	6	2437.0	**1.130**	98.55%	12.50	11.86	0.799	0.940	2
SISO2	Standalone 0 mm	802.11b 1Mbps	On	0	Top	6	2437.0	0.526	98.55%	12.50	11.86	0.414	0.487	
SISO2	Standalone 0 mm	802.11b 1Mbps	On	0	Right	1	2412.0	0.785	98.55%	12.50	11.83	0.565	0.669	
SISO2	Standalone 0 mm	802.11b 1Mbps	On	0	Right	6	2437.0	1.080	98.55%	12.50	11.86	0.762	0.896	
SISO2	Standalone 'N' mm	802.11b 1Mbps	Off	14	Rear	1	2412.0	0.109	98.55%	19.00	18.24	0.089	0.108	
SISO2	Standalone 'N' mm	802.11b 1Mbps	Off	19	Top	1	2412.0	0.055	98.55%	19.00	18.24	0.041	0.050	
SISO2	Standalone 'N' mm	802.11b 1Mbps	Off	11	Right	1	2412.0	**0.312**	98.55%	19.00	18.24	0.281	0.340	

Reduce Power (RSDB)

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11b 1Mbps	On	0	Rear	1	2412.0	0.411	98.55%	11.00	10.48	0.352	0.403	
SISO1	Standalone 0 mm	802.11b 1Mbps	On	0	Left	1	2412.0	**0.649**	98.55%	11.00	10.48	0.460	0.526	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11b 1Mbps	On	0	Rear	6	2437.0	0.447	98.55%	11.00	10.62	0.390	0.432	
SISO2	Standalone 0 mm	802.11b 1Mbps	On	0	Right	6	2437.0	**0.509**	98.55%	11.00	10.62	0.411	0.455	

DTS MIMO

Maximum Power

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11b 1Mbps	On	0	Rear	1	2412.0	0.405	98.55%	12.50	11.83	11.78	0.300	0.359	
MIMO	Standalone 0 mm	802.11b 1Mbps	On	0	Top	1	2412.0	0.384	98.55%	12.50	11.83	11.78	0.271	0.325	
MIMO	Standalone 0 mm	802.11b 1Mbps	On	0	Left	1	2412.0	1.170	98.55%	12.50	11.83	11.78	0.841	1.007	
MIMO	Standalone 0 mm	802.11b 1Mbps	On	0	Left	11	2462.0	**1.230**	98.55%	12.50	11.76	11.72	0.863	1.048	3
MIMO	Standalone 0 mm	802.11b 1Mbps	On	0	Right	1	2412.0	0.743	98.55%	12.50	11.83	11.78	0.534	0.640	

Note(s):

"N"mm MIMO, the value was replaced by sum of SISO1 and SISO2.

Reduce Power (RSDB)

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11b 1Mbps	On	0	Rear	1	2412.0	0.334	98.55%	11.00	10.57	10.62	0.263	0.295	
MIMO	Standalone 0 mm	802.11b 1Mbps	On	0	Left	11	2462.0	**0.932**	98.55%	11.00	10.55	10.51	0.619	0.703	
MIMO	Standalone 0 mm	802.11b 1Mbps	On	0	Right	1	2412.0	0.490	98.55%	11.00	10.57	10.62	0.371	0.416	

10.2. Wi-Fi (U-NII Bands)

U-NII SISO1

Maximum Power

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Rear	58	5290.0	0.587	98.07%	9.50	8.70	0.361	0.443	
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Top	58	5290.0	0.148	98.07%	9.50	8.70	0.098	0.120	
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Left	58	5290.0	**0.618**	98.07%	9.50	8.70	0.398	0.488	4
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	14	Rear	52	5260.0	0.086	95.33%	18.00	17.17	0.054	0.069	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	19	Top	52	5260.0	0.121	95.33%	18.00	17.17	0.062	0.079	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	9	Left	52	5260.0	**0.589**	95.33%	18.00	17.17	0.305	0.387	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Rear	106	5530.0	0.404	98.07%	8.50	7.82	0.383	0.457	5
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Top	106	5530.0	0.224	98.07%	8.50	7.82	0.071	0.085	
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Left	106	5530.0	**0.892**	98.07%	8.50	7.82	0.369	0.440	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	14	Rear	144	5720.0	0.228	95.33%	18.00	17.34	0.174	0.212	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	19	Top	144	5720.0	0.210	95.33%	18.00	17.34	0.101	0.123	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	9	Left	144	5720.0	**0.647**	95.33%	18.00	17.34	0.508	0.620	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Rear	155	5775.0	0.799	98.07%	8.50	7.62	0.625	0.780	6
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Top	155	5775.0	0.311	98.07%	8.50	7.62	0.114	0.142	
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Left	155	5775.0	**1.335**	98.07%	8.50	7.62	0.525	0.656	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	14	Rear	157	5785.0	0.214	95.33%	18.00	17.09	0.171	0.221	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	19	Top	157	5785.0	0.246	95.33%	18.00	17.09	0.118	0.153	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	9	Left	157	5785.0	**0.600**	95.33%	18.00	17.09	0.482	0.623	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Rear	171	5855.0	0.871	98.07%	8.50	7.79	0.608	0.730	7
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Top	171	5855.0	0.139	98.07%	8.50	7.79	0.096	0.115	
SISO1	Standalone 0 mm	802.11ac VHT80	On	0	Left	171	5855.0	**1.258**	98.07%	8.50	7.79	0.509	0.611	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	14	Rear	173	5865.0	0.195	95.33%	18.00	17.10	0.150	0.194	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	19	Top	173	5865.0	0.230	95.33%	18.00	17.10	0.108	0.139	
SISO1	Standalone 'N' mm	802.11a 6Mbps	Off	9	Left	173	5865.0	**0.496**	95.33%	18.00	17.10	0.412	0.532	

U-NII SISO1

Reduce Power (RSDB)

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	58	5290.0	**0.277**	98.07%	7.00	6.83	0.201	0.213	
SISO1	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Left	58	5290.0	0.264	98.07%	7.00	6.83	0.326	0.346	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	138	5690.0	**0.310**	98.07%	7.00	6.81	0.263	0.280	
SISO1	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Left	138	5690.0	0.285	98.07%	7.00	6.81	0.322	0.343	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	155	5775.0	0.331	98.07%	7.00	6.77	0.341	0.367	
SISO1	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Left	155	5775.0	**0.502**	98.07%	7.00	6.77	0.330	0.355	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	171	5855.0	0.230	98.07%	7.00	6.81	0.303	0.323	
SISO1	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Left	171	5855.0	**0.419**	98.07%	7.00	6.81	0.263	0.280	

U-NII SISO2

Maximum Power

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Rear	58	5290.0	0.347	98.07%	9.50	8.30	0.244	0.328	
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Top	58	5290.0	0.122	98.07%	9.50	8.30	0.080	0.108	
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Right	58	5290.0	**0.538**	98.07%	9.50	8.30	0.278	0.374	8
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	14	Rear	64	5320.0	0.095	95.33%	18.00	17.12	0.051	0.066	
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	19	Top	64	5320.0	0.086	95.33%	18.00	17.12	0.035	0.045	
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	11	Right	64	5320.0	**0.170**	95.33%	18.00	17.12	0.135	0.173	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Rear	106	5530.0	0.986	98.07%	8.50	7.74	0.654	0.794	
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Top	106	5530.0	0.295	98.07%	8.50	7.74	0.116	0.141	
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Right	106	5530.0	**1.790**	98.07%	8.50	7.74	0.656	0.797	9
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	14	Rear	100	5500.0	0.234	95.33%	18.00	17.15	0.176	0.225	
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	19	Top	100	5500.0	0.126	95.33%	18.00	17.15	0.056	0.071	
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	11	Right	100	5500.0	**0.539**	95.33%	18.00	17.15	0.434	0.554	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Rear	155	5775.0	0.843	98.07%	8.50	8.02	0.637	0.725	
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Top	155	5775.0	0.418	98.07%	8.50	8.02	0.173	0.197	
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Right	155	5775.0	**2.110**	98.07%	8.50	8.02	0.826	0.941	10
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	14	Rear	165	5825.0	0.323	95.33%	18.00	17.28	0.213	0.264	
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	19	Top	165	5825.0	0.246	95.33%	18.00	17.28	0.108	0.134	
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	11	Right	165	5825.0	**0.534**	95.33%	18.00	17.28	0.450	0.557	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Rear	171	5855.0	0.506	98.07%	8.50	7.98	0.440	0.506	
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Top	171	5855.0	0.178	98.07%	8.50	7.98	0.128	0.147	
SISO2	Standalone 0 mm	802.11ac VHT80	On	0	Right	171	5855.0	**2.090**	98.07%	8.50	7.98	0.853	0.980	11
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	14	Rear	177	5885.0	0.235	95.33%	18.00	17.43	0.201	0.240	
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	19	Top	177	5885.0	0.239	95.33%	18.00	17.43	0.106	0.127	
SISO2	Standalone 'N' mm	802.11a 6Mbps	Off	11	Right	177	5885.0	**0.545**	95.33%	18.00	17.43	0.468	0.560	

U-NII SISO2

Reduce Power (RSDB)

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	58	5290.0	0.278	98.07%	7.00	6.53	0.190	0.216	
SISO2	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Right	58	5290.0	**0.296**	98.07%	7.00	6.53	0.163	0.185	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	122	5610.0	0.653	98.07%	7.00	6.42	0.479	0.558	
SISO2	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Right	122	5610.0	**1.020**	98.07%	7.00	6.42	0.568	0.662	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	155	5775.0	0.693	98.07%	7.00	6.51	0.531	0.606	
SISO2	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Right	155	5775.0	**1.100**	98.07%	7.00	6.51	0.648	0.740	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	171	5855.0	0.341	98.07%	7.00	6.38	0.392	0.461	
SISO2	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Right	171	5855.0	**0.686**	98.07%	7.00	6.38	0.551	0.648	

U-NII MIMO

Maximum Power

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Rear	58	5290.0	**0.695**	98.15%	9.50	8.71	8.36	0.369	0.489	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Top	58	5290.0	0.150	98.15%	9.50	8.71	8.36	0.091	0.121	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Left	58	5290.0	0.676	98.15%	9.50	8.71	8.36	0.444	0.588	12
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Right	58	5290.0	0.504	98.15%	9.50	8.71	8.36	0.266	0.352	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Rear	138	5690.0	0.490	98.15%	8.50	8.22	7.51	0.506	0.648	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Top	138	5690.0	0.330	98.15%	8.50	8.22	7.51	0.114	0.146	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Left	138	5690.0	1.283	98.15%	8.50	8.22	7.51	0.540	0.691	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Right	122	5610.0	0.631	98.15%	8.50	8.03	7.58	0.777	0.978	13
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Right	138	5690.0	**1.600**	98.15%	8.50	8.22	7.51	0.604	0.773	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Rear	155	5775.0	0.845	98.15%	8.50	7.96	7.36	0.696	0.922	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Top	155	5775.0	0.242	98.15%	8.50	7.96	7.36	0.088	0.117	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Left	155	5775.0	1.513	98.15%	8.50	7.96	7.36	0.593	0.786	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Right	155	5775.0	**1.800**	98.15%	8.50	7.96	7.36	0.736	0.975	14

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Rear	171	5855.0	0.537	98.15%	8.50	7.63	7.16	0.589	0.817	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Top	171	5855.0	0.148	98.15%	8.50	7.63	7.16	0.107	0.148	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Left	171	5855.0	1.062	98.15%	8.50	7.63	7.16	0.459	0.637	
MIMO	Standalone 0 mm	802.11ac VHT80	On	0	Right	171	5855.0	**1.720**	98.15%	8.50	7.63	7.16	0.718	0.996	15

Note(s):

"N"mm MIMO, the value was replaced by sum of SISO1 and SISO2.

U-NII MIMO

Reduce Power (RSDB)

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	58	5290.0	0.268	98.15%	7.00	6.78	6.82	0.203	0.218	
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Left	58	5290.0	0.260	98.15%	7.00	6.78	6.82	0.276	0.296	
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Right	58	5290.0	**0.314**	98.15%	7.00	6.78	6.82	0.171	0.183	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	122	5610.0	0.308	98.15%	7.00	6.79	6.82	0.235	0.251	
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Left	122	5610.0	0.289	98.15%	7.00	6.79	6.82	0.316	0.338	
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Right	122	5610.0	**1.180**	98.15%	7.00	6.79	6.82	0.702	0.751	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	155	5775.0	0.321	98.15%	7.00	6.83	6.88	0.268	0.284	
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Left	155	5775.0	0.415	98.15%	7.00	6.83	6.88	0.266	0.282	
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Right	155	5775.0	**0.704**	98.15%	7.00	6.83	6.88	0.540	0.572	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Rear	171	5855.0	0.500	98.15%	7.00	6.73	6.72	0.414	0.450	
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Left	171	5855.0	0.391	98.15%	7.00	6.73	6.72	0.249	0.271	
MIMO	Standalone 0 mm	802.11ac VHT80 MCS0	On	0	Right	171	5855.0	**0.695**	98.15%	7.00	6.73	6.72	0.442	0.480	

10.3. Wi-Fi (U-NII 6 GHz Bands)

U-NII 5/6/7/8 SISO

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Rear	159	6745.0	0.300	96.47%	8.00	7.26	0.181	0.222	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Top	159	6745.0	0.028	96.47%	8.00	7.26	0.024	0.029	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	31	6105.0	0.563	96.47%	8.00	7.07	0.413	0.530	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	63	6265.0	**0.585**	96.47%	8.00	7.03	0.459	0.595	16
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	127	6585.0	0.420	96.47%	8.00	6.90	0.341	0.455	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	159	6745.0	0.363	96.47%	8.00	7.26	0.295	0.363	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	191	6905.0	0.201	96.47%	8.00	7.08	0.162	0.208	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	14	Rear	31	6105.0	0.028	96.47%	10.00	9.17	0.013	0.016	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	19	Top	31	6105.0	0.010	96.47%	10.00	9.17	0.010	0.013	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	31	6105.0	**0.142**	96.47%	10.00	9.17	0.106	0.133	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	63	6265.0	0.138	96.47%	10.00	9.16	0.102	0.128	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	127	6585.0	0.088	96.47%	10.00	9.15	0.067	0.084	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	159	6745.0	0.097	96.47%	10.00	9.06	0.068	0.088	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	191	6905.0	0.092	96.47%	10.00	8.92	0.060	0.080	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	0	Bottom	31	6105.0	0.061	96.47%	10.00	9.17	0.000	0.000	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	0	Right	31	6105.0	0.023	96.47%	10.00	9.17	0.000	0.000	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Rear	31	6105.0	0.384	96.47%	8.00	7.10	0.287	0.366	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Top	31	6105.0	0.088	96.47%	8.00	7.10	0.064	0.082	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	31	6105.0	0.437	96.47%	8.00	7.10	0.408	0.520	17
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	63	6265.0	**0.531**	96.47%	8.00	7.09	0.337	0.431	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	127	6585.0	0.269	96.47%	8.00	7.04	0.254	0.328	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	159	6745.0	0.165	96.47%	8.00	6.87	0.176	0.237	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	191	6905.0	0.169	96.47%	8.00	7.07	0.170	0.218	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	14	Rear	159	6745.0	0.015	96.47%	10.00	9.26	0.002	0.002	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	19	Top	159	6745.0	0.000	96.47%	10.00	9.26	0.000	0.000	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	0	Left	159	6745.0	0.040	96.47%	10.00	9.26	0.000	0.000	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	0	Bottom	159	6745.0	0.037	96.47%	10.00	9.26	0.002	0.002	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	31	6105.0	**0.087**	96.47%	10.00	8.82	0.064	0.087	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	63	6265.0	0.073	96.47%	10.00	8.86	0.059	0.080	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	127	6585.0	0.053	96.47%	10.00	8.90	0.043	0.057	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	159	6745.0	0.039	96.47%	10.00	9.26	0.033	0.041	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	191	6905.0	0.037	96.47%	10.00	9.04	0.028	0.036	

U-NII 5/6/7/8 MIMO

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Rear	191	6905.0	0.160	93.74%	8.00	7.56	7.02	0.081	0.108	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Top	191	6905.0	0.025	93.74%	8.00	7.56	7.02	0.007	0.009	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	31	6105.0	0.480	93.74%	8.00	6.63	6.79	0.367	0.537	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	63	6265.0	**0.633**	93.74%	8.00	7.43	6.66	0.506	0.735	18
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	127	6585.0	0.407	93.74%	8.00	6.85	7.46	0.329	0.457	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	159	6745.0	0.320	93.74%	8.00	7.19	7.34	0.257	0.330	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	191	6905.0	0.283	93.74%	8.00	7.56	7.02	0.210	0.281	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Right	191	6905.0	0.204	93.74%	8.00	7.56	7.02	0.147	0.197	
MIMO	Standalone 'N' mm	802.11be EHT320	Off	0	Bottom	31	6105.0	0.037	93.74%	10.00	9.45	9.27	0.000	0.000	

Note(s):

"N"mm MIMO, the value was replaced by sum of SISO1 and SISO2.

10.4. Bluetooth

Bluetooth SISO SAR results

Maximum Power

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Target Duty Cycle	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	BLE	On	0	Rear	19	2440.0	**97.40%**	97.20%	10.00	9.59	0.493	0.543	
SISO1	Standalone 0 mm	BLE	On	0	Top	19	2440.0	**97.40%**	97.20%	10.00	9.59	0.168	0.185	
SISO1	Standalone 0 mm	BLE	On	0	Left	0	2402.0	**97.40%**	97.20%	10.00	8.80	0.620	0.819	19
SISO1	Standalone 0 mm	BLE	On	0	Left	19	2440.0	**97.40%**	97.20%	10.00	9.59	0.733	0.807	
SISO1	Standalone 0 mm	BLE	On	0	Left	39	2480.0	**97.40%**	97.20%	10.00	8.36	0.513	0.750	
SISO1	Standalone 'N' mm	BDR	Off	14	Rear	78	2480.0	**77.00%**	76.38%	19.50	19.07	0.091	0.101	
SISO1	Standalone 'N' mm	BDR	Off	19	Top	78	2480.0	**77.00%**	76.38%	19.50	19.07	0.022	0.024	
SISO1	Standalone 'N' mm	BDR	Off	9	Left	78	2480.0	**77.00%**	76.38%	19.50	19.07	0.161	0.179	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Target Duty Cycle	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	BLE	On	0	Rear	19	2440.0	**97.40%**	97.20%	10.00	9.51	0.602	0.675	
SISO2	Standalone 0 mm	BLE	On	0	Top	19	2440.0	**97.40%**	97.20%	10.00	9.51	0.290	0.325	
SISO2	Standalone 0 mm	BLE	On	0	Right	0	2402.0	**97.40%**	97.20%	10.00	9.28	0.790	0.934	
SISO2	Standalone 0 mm	BLE	On	0	Right	19	2440.0	**97.40%**	97.20%	10.00	9.51	0.737	0.827	
SISO2	Standalone 0 mm	BLE	On	0	Right	39	2480.0	**97.40%**	97.20%	10.00	8.72	0.708	0.953	20
SISO2	Standalone 'N' mm	BDR	Off	14	Rear	39	2441.0	**77.00%**	76.38%	18.50	18.00	0.183	0.207	
SISO2	Standalone 'N' mm	BDR	Off	19	Top	39	2441.0	**77.00%**	76.38%	18.50	18.00	0.028	0.032	
SISO2	Standalone 'N' mm	BDR	Off	11	Right	39	2441.0	**77.00%**	76.38%	18.50	18.00	0.444	0.502	

Reduce Power

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Target Duty Cycle	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO1	Standalone 0 mm	BLE	On	0	Rear	19	2440.0	**97.40%**	97.20%	7.00	6.76	0.375	0.397	
SISO1	Standalone 0 mm	BLE	On	0	Top	19	2440.0	**97.40%**	97.20%	7.00	6.76	0.134	0.142	
SISO1	Standalone 0 mm	BLE	On	0	Left	19	2440.0	**97.40%**	97.20%	7.00	6.76	0.537	0.569	

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Target Duty Cycle	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
SISO2	Standalone 0 mm	BLE	On	0	Rear	19	2440.0	**97.40%**	97.20%	7.00	6.84	0.411	0.427	
SISO2	Standalone 0 mm	BLE	On	0	Top	19	2440.0	**97.40%**	97.20%	7.00	6.84	0.272	0.283	
SISO2	Standalone 0 mm	BLE	On	0	Right	19	2440.0	**97.40%**	97.20%	7.00	6.84	0.463	0.481	

Bluetooth MIMO(Dual) SAR results

Maximum Power

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Target Duty Cycle	Duty Cycle	Tune-up Limit Ant.1 (dBm)	Tune-up Limit Ant.2 (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	EDR	On	0	Rear	78	2480.0	77.00%	**76.57%**	11.00	10.00	10.36	9.39	0.250	0.291	
MIMO	Standalone 0 mm	EDR	On	0	Top	78	2480.0	77.00%	**76.57%**	11.00	10.00	10.36	9.39	0.131	0.153	
MIMO	Standalone 0 mm	EDR	On	0	Left	78	2480.0	77.00%	**76.57%**	11.00	10.00	10.36	9.39	0.336	0.392	
MIMO	Standalone 0 mm	EDR	On	0	Right	78	2480.0	77.00%	**76.57%**	11.00	10.00	10.36	9.39	0.369	0.430	21

Reduce Power

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot
MIMO	Standalone 0 mm	BLE	On	0	Rear	19	2440.0	97.20%	7.00	6.82	6.21	0.181	0.218	
MIMO	Standalone 0 mm	BLE	On	0	Left	19	2440.0	97.20%	7.00	6.82	6.21	0.180	0.216	
MIMO	Standalone 0 mm	BLE	On	0	Right	19	2440.0	97.20%	7.00	6.82	6.21	0.205	0.246	

11. Measured and Reported (Scaled) APD Results

APD test considerations

1. APD (Absorbed Power Density) over 4cm^2 averaging area is reported based on SAR measurements. So test configuration is same as SAR test plan.
2. 10.0 W/m^2 = 1.0 mW/cm^2

11.1 Wi-Fi (U-NII 6GHz Bands)

U-NII 5/6/7/8 SISO

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured APD (mW/cm2)	Reported APD (mW/cm2)	Plot
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Rear	159	6745.0	0.300	96.47%	8.00	7.26	0.0887	0.1090	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Top	159	6745.0	0.028	96.47%	8.00	7.26	0.0180	0.0221	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	31	6105.0	0.563	96.47%	8.00	7.07	0.2020	0.2594	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	63	6265.0	**0.585**	96.47%	8.00	7.03	0.2240	0.2903	16
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	127	6585.0	0.420	96.47%	8.00	6.90	0.1650	0.2203	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	159	6745.0	0.363	96.47%	8.00	7.26	0.1520	0.1868	
SISO1	Standalone 0 mm	802.11be EHT320	On	0	Left	191	6905.0	0.201	96.47%	8.00	7.08	0.0744	0.0953	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	14	Rear	31	6105.0	0.028	96.47%	10.00	9.17	0.0107	0.0134	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	19	Top	31	6105.0	0.010	96.47%	10.00	9.17	0.0089	0.0112	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	31	6105.0	**0.142**	96.47%	10.00	9.17	0.0838	0.1052	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	63	6265.0	0.138	96.47%	10.00	9.16	0.0799	0.1005	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	127	6585.0	0.088	96.47%	10.00	9.15	0.0510	0.0643	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	159	6745.0	0.097	96.47%	10.00	9.06	0.0520	0.0669	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	9	Left	191	6905.0	0.092	96.47%	10.00	8.92	0.0539	0.0716	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	0	Bottom	31	6105.0	0.061	96.47%	10.00	9.17	0.0007	0.0009	
SISO1	Standalone 'N' mm	802.11be EHT320	Off	0	Right	31	6105.0	0.023	96.47%	10.00	9.17	0.0003	0.0004	
Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured APD (mW/cm2)	Reported APD (mW/cm2)	Plot
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Rear	31	6105.0	0.384	96.47%	8.00	7.10	0.1460	0.1862	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Top	31	6105.0	0.088	96.47%	8.00	7.10	0.0429	0.0547	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	31	6105.0	0.437	96.47%	8.00	7.10	0.2180	0.2780	17
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	63	6265.0	**0.531**	96.47%	8.00	7.09	0.1920	0.2454	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	127	6585.0	0.269	96.47%	8.00	7.04	0.1310	0.1694	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	159	6745.0	0.165	96.47%	8.00	6.87	0.0886	0.1191	
SISO2	Standalone 0 mm	802.11be EHT320	On	0	Right	191	6905.0	0.169	96.47%	8.00	7.07	0.0846	0.1086	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	14	Rear	159	6745.0	0.015	96.47%	10.00	9.26	0.0020	0.0025	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	19	Top	159	6745.0	0.000	96.47%	10.00	9.26	0.0000	0.0000	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	0	Left	159	6745.0	0.040	96.47%	10.00	9.26	0.0006	0.0007	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	0	Bottom	159	6745.0	0.037	96.47%	10.00	9.26	0.0020	0.0025	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	31	6105.0	**0.087**	96.47%	10.00	8.82	0.0510	0.0694	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	63	6265.0	0.073	96.47%	10.00	8.86	0.0467	0.0629	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	127	6585.0	0.053	96.47%	10.00	8.90	0.0343	0.0458	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	159	6745.0	0.039	96.47%	10.00	9.26	0.0256	0.0315	
SISO2	Standalone 'N' mm	802.11be EHT320	Off	11	Right	191	6905.0	0.037	96.47%	10.00	9.04	0.0213	0.0275	

U-NII 5/6/7/8 MIMO

Antenna	RF Exposure Conditions	Mode	Back-off	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured APD (mW/cm2)	Reported APD (mW/cm2)	Plot
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Rear	191	6905.0	0.160	93.74%	8.00	7.56	7.02	0.0284	0.0380	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Top	191	6905.0	0.025	93.74%	8.00	7.56	7.02	0.0012	0.0016	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	31	6105.0	0.480	93.74%	8.00	6.63	6.79	0.1820	0.2662	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	63	6265.0	**0.633**	93.74%	8.00	7.43	6.66	0.2520	0.3660	18
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	127	6585.0	0.407	93.74%	8.00	6.85	7.46	0.1590	0.2210	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	159	6745.0	0.320	93.74%	8.00	7.19	7.34	0.1230	0.1581	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Left	191	6905.0	0.283	93.74%	8.00	7.56	7.02	0.1050	0.1404	
MIMO	Standalone 0 mm	802.11be EHT320	On	0	Right	191	6905.0	0.204	93.74%	8.00	7.56	7.02	0.0728	0.0973	
MIMO	Standalone 'N' mm	802.11be EHT320	Off	0	Bottom	31	6105.0	0.037	93.74%	10.00	9.45	9.27	0.0000	0.0000	

12. Measured and Reported (Scaled) IPD Results

IPD test considerations

1. 10.0 W/m^2 = 1.0 mW/cm^2.
2. Incident Power density results were scaled according to IEC 62479 : 2020 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 1.53 dB (42.3%) was used to determine the psPD measurement scaling factor.
3. Power density test data were scaled to tune-up limit using measurement system tool.
4. Incident power density (IPD) was measuded/calculated at d=2mm with ESR Algorithm.
5. IPD tested at highest SAR configuration based on U-NII 6GHz Band SAR test results in Sec.10.

12.1. Wi-Fi (U-NII 6GHz Bands)

U-NII 5/6/7/8 SISO

Antenna	RF Exposure Conditions	Mode	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured Nomal psPD (mW/cm^2)	Reported Nomal psPD (mW/cm^2)	Measured Total psPD (mW/cm^2)	Peported Total psPD (mW/cm^2)	Scailing factor	Scaled Nomal psPD (mW/cm^2)	Scaled Total psPD (mW/cm^2)	Plot
SISO1	IPD (Incident PD)	802.11be EHT320 MCS0	2	Left	63	6265.0	96.47%	8.00	7.03	0.097	0.126	0.203	0.263	1.123	0.1410	0.2954	

Antenna	RF Exposure Conditions	Mode	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured Nomal psPD (mW/cm^2)	Reported Nomal psPD (mW/cm^2)	Measured Total psPD (mW/cm^2)	Peported Total psPD (mW/cm^2)	Scailing factor	Scaled Nomal psPD (mW/cm^2)	Scaled Total psPD (mW/cm^2)	Plot
SISO2	IPD (Incident PD)	802.11be EHT320 MCS0	2	Right	31	6105.0	96.47%	8.00	7.10	0.078	0.099	0.186	0.237	1.123	0.1116	0.2664	

U-NII 5/6/7/8 MIMO

Antenna	RF Exposure Conditions	Mode	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured Nomal psPD (mW/cm^2)	Reported Nomal psPD (mW/cm^2)	Measured Total psPD (mW/cm^2)	Peported Total psPD (mW/cm^2)	Scailing factor	Scaled Nomal psPD (mW/cm^2)	Scaled Total psPD (mW/cm^2)	Plot
MIMO	IPD (Incident PD)	802.11be EHT320 MCS0	2	Left	63	6265.0	93.74%	8.00	7.43	6.66	0.123	0.179	0.254	0.369	1.123	0.2006	0.4143	22

13. SAR Measurement Variability

In accordance with published RF Exposure KDB 865664 D01 SAR measurement 100 MHz to 6 GHz. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

1) Repeated measurement is not required when the original highest measured SAR is <0.8 or 2 W/kg (1-g or 10-g respectively); steps 2) through 4) do not apply.
2) When the original highest measured SAR is ≥ 0.8 or 2 W/kg (1-g or 10-g respectively), repeat that measurement once.
3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 or 3.6 W/kg (~ 10% from the 1-g or 10-g respective SAR limit).
4) Perform a third repeated measurement only if the original, first, or second repeated measurement is ≥ 1.5 or 3.75 W/kg (1-g or 10-g respectively) and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

Peak spatial-average (1g of tissue)

Frequency Band (MHz)	Air Interface	Antenna	RF Exposure Conditions	Test Position	Repeated SAR (Yes/No)	Highest Measured SAR (W/kg)	Repeated Measured SAR (W/kg)	Largest to Smallest SAR Ratio
2450	DTS	MIMO	Standalone	Left	Yes	0.863	0.857	1.01
5750	U-NII	SISO2	Standalone	Right	Yes	0.826	0.822	1.00
5800	U-NII	SISO2	Standalone	Right	Yes	0.853	0.846	1.01

Note(s):

1. In above table, Only some bands above 0.8 or 2.0 W/kg (1-g or 10-g Measured SAR) were listed.

2. Second Repeated Measurement is not required since the ratio of the largest to smallest SAR for the original and first repeated measurement is not > 1.20.

14. Simultaneous Transmission SAR Analysis

Simultaneous Transmission Condition

RF Exposure Condition	Item	Capable Transmit Configurations								
Standalone	1	DTS Ant.1	(and/or)	DTS Ant.2						Non RSDB Scenarios
	2	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2						
	3	BT Ant.1	(and/or)	BT Ant.2						
	4	BT Ant.1	+	DTS Ant.2						
	4	BT Ant.2	+	DTS Ant.1						
	5	UNII (5/6GHz) Ant.1	+	BT Ant.1	(and/or)	BT Ant.2				
	6	UNII (5/6GHz) Ant.2	+	BT Ant.1	(and/or)	BT Ant.2				
	7	UNII (5/6GHz) MIMO	+	BT Ant.1	(and/or)	BT Ant.2				
	8	DTS Ant.1	(and/or)	DTS Ant.2						
	9	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2						
	10	BT Ant.1	(and/or)	BT Ant.2						
	11	BT Ant.1	+	DTS Ant.2						
	11	BT Ant.2	+	DTS Ant.1						
	12	UNII (5/6GHz) Ant.1	+	BT Ant.1	(and/or)	BT Ant.2				
	13	UNII (5/6GHz) Ant.2	+	BT Ant.1	(and/or)	BT Ant.2				
	14	UNII (5/6GHz) MIMO	+	BT Ant.1	(and/or)	BT Ant.2				
	15	DTS Ant.1	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2				RSDB Scenarios
	16	DTS Ant.2	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2				
	17	DTS MIMO	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2				
	18	DTS Ant.1	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2	+	BT Ant.2		
	19	DTS Ant.2	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2	+	BT Ant.1		
	20	DTS Ant.1	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2				
	21	DTS Ant.2	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2				
	22	DTS MIMO	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2				
	23	DTS Ant.1	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2	+	BT Ant.2		
	24	DTS Ant.2	+	UNII (5/6GHz) Ant.1	(and/or)	UNII (5/6GHz) Ant.2	+	BT Ant.1		

Note(s):

1. DTS supports Wi-Fi Direct and VoIP.
2. U-NII (5GHz) supports Wi-Fi Direct and VoIP..
3. U-NII Radio can transmit simultaneously with Bluetooth Radio.
4. BT tethering is considered about each RF exposure conditions.
5. DTS/UNII/BT supports SISO/MIMO mode.

Simultaneous Transmission SAR Test Exclusion Considerations

Sum of SAR

To qualify for simultaneous transmission SAR test exclusion based upon Sum of SAR the sum of the reported standalone SARs for all simultaneously transmitting antennas shall be below the applicable standalone SAR limit. If the sum of the SARs is above the applicable limit then simultaneous transmission SAR test exclusion may still apply if the requirements of the SAR to Peak Location Ratio (SPLSR) evaluation are met.

SAR to Peak Location Ratio (SPLSR)

KDB 447498 D01 General RF Exposure Guidance explains how to calculate the SAR to Peak Location Ratio (SPLSR) between pairs of simultaneously transmitting antennas:

$$SPLSR = (SAR_1 + SAR_2)^{1.5} / R_i$$

Where:
SAR1 is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition

SAR2 is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in the same test operating mode and exposure condition as the first

Ri is the separation distance between the pair of simultaneous transmitting antennas. When the SAR is measured, for both antennas in the pair, it is determined by the actual x, y and z coordinates in the 1-g SAR for each SAR peak location, based on the extrapolated and interpolated result in the zoom scan measurement, using the formula of

$$[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$$

In order for a pair of simultaneous transmitting antennas with the sum of 1-g SAR > 1.6 W/kg to qualify for exemption from Simultaneous Transmission SAR measurements, it has to satisfy the condition of:

$$(SAR1 + SAR2)^{1.5} / Ri \leq 0.04$$

When an individual antenna transmits at on two bands simultaneously, the sum of the highest *reported* SAR for the frequency bands should be used to determine SAR_1.or SAR_2. When SPLSR is necessary, the smallest distance between the peak SAR locations for the antenna pair with respect to the peaks from each antenna should be used.

The antennas in all antenna pairs that do not qualify for simultaneous transmission SAR test exclusion must be tested for SAR compliance, according to the enlarged zoom scan and volume scan post-processing procedures.

The antennas for the unlicensed transmitters are closely situated. As a result, the associated SAR hotspots are also closely situated. Some of the sum of SAR calculations yielded results over 1.6 W/kg. The SPSLR calculations for these situations were performed by treating the unlicensed SAR values as a single transmitter. The most conservative distance between all the unlicensed hotspots to the licensed hotspot was used for the value of *d* in the SPSLR calculation.

Sum to Peak Location Separation Ratio

Instead of doing a small volume scan over a co-located antenna pair (Hybrid SPLSR guide), Simultaneous transmission SAR test exclusion may algebraically sum the SAR values of the co-located pair and use that value in SPLSR calculation.

In the calculation Separation distance must use the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

Peak SAR location determination

According to KDB 447498 D04, When SAR is estimated for both antennas considered in a pairwise SPLSR analysis, the peak location sepataion shall be determined by the closet physical separation of the antennas, according to the feed-point or geometric center of the antennas, whichever is more conservative. And in the case where the DUT was tilted and measured due to camera bumper, Peak SAR location was determined by taking the above into consideration. The distance between antennas based on feed-point is added to Appendix A.

14.1. Simultaneous Exposure Analysis

Condition#1 (Sum of SAR)

RSDB		ER															Highest SAR
		DTS Ant.1+UNII Ant.1	DTS Ant.1+UNII Ant.2	DTS Ant.2+UNII Ant.1	DTS Ant.2+UNII Ant.2	DTS MIMO+UNII Ant.1	DTS MIMO+UNII Ant.2	DTS Ant.1+UNII MIMO	DTS Ant.2+UNII MIMO	DTS MIMO+UNII MIMO	DTS Ant.1+UNII Ant.1+BT Ant.2	DTS Ant.1+UNII Ant.2+BT Ant.2	DTS Ant.2+UNII Ant.1+BT Ant.1	DTS Ant.2+UNII Ant.2+BT Ant.1	DTS Ant.1+UNII MIMO+BT Ant.2	DTS Ant.2+UNII MIMO+BT Ant.1	
Standalone	Rear	0.770	1.009	0.799	1.038	0.662	0.901	0.853	0.882	0.745	1.197	1.436	1.196	1.435	1.280	1.279	1.436
	Top	0.335	0.379	0.640	0.684	0.478	0.522	0.469	0.774	0.612	0.618	0.662	0.782	0.826	0.752	0.916	0.916
	Left	1.121	0.592	0.673	0.144	1.298	0.769	1.261	0.813	1.438	1.191	0.662	1.242	0.713	1.331	1.382	1.438
	Bottom	0.074	0.074	0.074	0.074	0.116	0.116	0.107	0.107	0.149	0.111	0.111	0.121	0.121	0.144	0.154	0.154
	Right	0.144	0.818	0.521	1.195	0.482	1.156	0.829	1.206	1.167	0.625	1.299	0.609	1.283	1.310	1.294	1.310

0mm Grip		ER														Highest SAR
		DTS MIMO	UNII MIMO	BT MIMO	DTS Ant.1+BT Ant.2	DTS Ant.2 + BT Ant.1	UNII Ant.1 +BT Ant.1	UNII Ant.1+BT Ant.2	UNII Ant.1+BT MIMO	UNII Ant.2+BT Ant.1	UNII Ant.2+BT Ant.2	UNII Ant.2+BT MIMO	UNII MIMO+BT Ant.1	UNII MIMO+BT Ant.2	UNII MIMO+BT MIMO	
Standalone	Rear	0.359	0.922	0.291	1.251	1.483	1.177	1.207	0.998	1.191	1.221	1.012	1.319	1.349	1.140	1.483
	Top	0.325	0.148	0.153	0.507	0.672	0.284	0.425	0.295	0.339	0.480	0.350	0.290	0.431	0.301	0.672
	Left	1.048	0.786	0.392	0.687	0.837	1.225	0.726	0.872	0.578	0.079	0.225	1.355	0.856	1.002	1.355
	Bottom	0.009	0.009	0.008	0.013	0.014	0.052	0.042	0.026	0.052	0.042	0.026	0.056	0.046	0.030	0.056
	Right	0.640	0.996	0.430	0.952	0.906	0.097	0.490	0.255	1.068	1.461	1.226	1.084	1.477	1.242	1.477

N mm Max Power		ER														Highest SAR
		DTS MIMO	UNII MIMO	BT MIMO	DTS Ant.1+BT Ant.2	DTS Ant.2 + BT Ant.1	UNII Ant.1 +BT Ant.1	UNII Ant.1+BT Ant.2	UNII Ant.1+BT MIMO	UNII Ant.2+BT Ant.1	UNII Ant.2+BT Ant.2	UNII Ant.2+BT MIMO	UNII MIMO+BT Ant.1	UNII MIMO+BT Ant.2	UNII MIMO+BT MIMO	
Standalone	Rear	0.190	0.485	0.308	0.289	0.209	0.322	0.428	0.529	0.365	0.471	0.572	0.586	0.692	0.793	0.793
	Top	0.081	0.287	0.056	0.063	0.074	0.177	0.185	0.209	0.158	0.166	0.190	0.311	0.319	0.343	0.343
	Left	0.242	0.689	0.249	0.234	0.257	0.802	0.693	0.872	0.245	0.136	0.315	0.868	0.759	0.938	0.938
	Bottom	0.083	0.066	0.021	0.078	0.088	0.080	0.070	0.054	0.080	0.070	0.054	0.113	0.103	0.087	0.113
	Right	0.418	0.626	0.590	0.580	0.428	0.154	0.568	0.656	0.648	1.062	1.150	0.714	1.128	1.216	1.216

Note(s):

1. In the case of “N”mm MIMO, the value was replaced by sum of SISO1 and SISO2
2. Additional evaluation is not required due to below SAR Limit.

Appendixes

Refer to separated files for the following appendixes.

S-4792232056-S1 FCC Report RFx App A Photos

S-4792232056-S1 FCC Report RFx App B Test Plots

S-4792232056-S1 FCC Report RFx App C System Plots

S-4792232056-S1 FCC Report RFx App D Tissue

S-4792232056-S1 FCC Report RFx App E Probe Certi

S-4792232056-S1 FCC Report RFx App F Dipole Certi

S-4792232056-S1 FCC Report RFx App G Grip sensor Power verification

END OF REPORT