TEST REPORT

Applicant:	INFINIX MOBILITY LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Equipment Type:	Tablet
Model Name:	X1103B
Brand Name:	Infinix
FCC ID:	2AIZN-X1103B
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Body (1 g@0mm): 0.66 W/kg
Sample Arrival Date:	May 29, 2026
Test Date:	May 29, 2026 - Jun. 06, 2026
Date of Issue:	Jun. 22, 2026

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center

Prepared by: Huang Xiaoqin **Reviewed by:** Cai Xueguo **Approved by:** Zhang Yanqing (Laboratory Manager)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jun. 22, 2026	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352. The laboratory is a testing organization accredited by ISED as a accredited testing laboratory. The company number is 29671 and CAB identifier number is CN0142.

1.3 Test Environment Condition

Ambient Temperature	18℃ to 25℃
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.2 Manufacturer Information

Manufacturer	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet
Model Name Under Test	X1103B
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	CC26050300-001-S10(SAR) CC26040057-001-S07(Conducted Power)

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	Infinix
	Model No.	BL-80CT
	Serial No.	N/A
	Rate Capacity	8000mAh/30.80Wh
	Typital Capacity	8200mAh/31.57Wh
	Rated Voltage	3.85V
	Limit Charge Voltage	4.4V

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/17/26/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE1M&2M) 2.4G WIFI 802.11b, 802.11g, 802.11n HT20, 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) , GPS, Beidou, Glonass

The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	GSM; WCDMA; LTE; WLAN; Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850~1910 MHz	RX: 1930~1990 MHz
	WCDMA Band 4	TX: 1710~1755 MHz	RX: 2110~2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850~1910 MHz	RX: 1930~1990 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699-716 MHz	RX: 729~746 MHz
	LTE Band 13	TX: 777-787 MHz	RX: 746~756 MHz
	LTE Band 26	TX: 814~849 MHz	RX: 859~894 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	2.4G WIFI	2412 ~ 2462 MHz	
	5G WIFI	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN	PIFA Antenna	
	WLAN	PIFA Antenna	
	Bluetooth	PIFA Antenna	
Exposure Category	General Population/Uncontrolled exposure		
EUT Type	Portable Device		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
8	KDB 865664 D02 v01r02	RF Exposure Reporting
9	KDB 616217 D04 v01r02	SAR for laptop and tablets
10	KDB 248227 D01 v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user.

Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

Table of Exposure Limits:

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ Controlled Exposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

General Population/Uncontrolled Exposure: Locations where there is the exposure of individuals who have no knowledge or control of their exposure. General population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Occupational/Controlled Exposure: Locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

3.3 Test Result Summary

3.3.1 Highest SAR Values

Frequency Band		Maximum Scaled SAR	Maximum Report SAR (W/kg)
		1 g(W/kg)	1 g(W/kg)
		Body	Body
		(Separation 0 mm)	(Separation 0 mm)
PCB	GSM850	0.38	0.66
	GSM1900	0.55	
	WCDMA B2	0.57	
	WCDMA B4	0.39	
	WCDMA B5	0.17	
	LTE B2	0.60	
	LTE B7	0.64	
	LTE B12	0.30	
	LTE B13	0.43	
	LTE B26	0.25	
	LTE B66	0.48	
	LTE B41	0.66	
DTS	2.4G WIFI	0.54	
U-NII	5.2G WIFI	0.40	
	5.3G WIFI	0.53	
	5.6G WIFI	0.55	
	5.8G WIFI	0.50	
DSS	Bluetooth	0.26	
Limit (W/kg)		1.6	
Verdict		PASS	
Note: This device supports LTE B4/B5/B17/B38 and LTE B66/26/B12/B41. Since the supported frequency span for LTE B2/B4/B5/B17/B38 falls completely within the supports frequency span for LTE B66/26/B12/B41, these LTE bands share the same transmission path, and LTE B4/B5/B17/B38 have lower or the same target power as LTE B66/26/B12/B41; Therefore, SAR was only assessed for LTE B66/26/B12/B41.			

Note:

Compared with the EUT of test report Ti-CC26040079-701, which was issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on May 25, 2026, the EUT of this report has changed as below:

1. Update the memory and operating system.

   Other hardware circuit and software are the same as the EUT of the No. Ti-CC26040079-701. Therefore, all power data refer to the report No.Ti-CC26040079-701, which was issued by Shanghai Tejet Communications Technology Co., Ltd. Testing Center on May 25, 2026, We retested the SAR and reassessed simultaneous transmission mode data.

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR
	Body
	(Separation 0 mm)
PCB	1.46
Limit (W/kg)	1.6
Verdict	Pass

3.4 Test Uncertainty

According to KDB 865664 D01, When the highest measured 1 g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis is not required in SAR reports submitted for equipment approval.

The maximum 1 g SAR for the EUT in this report is 0.66 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

3.5 Decision Rule

☐ No Need

☒ Use General Conformity Decision Rule

☐ Use Special Conformity Decision Rule

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$\mathbf{SAR} = \frac{\boldsymbol{d}}{\mathbf{dt}}\left(\frac{\boldsymbol{dW}}{\mathbf{dm}}\right) = \frac{\boldsymbol{d}}{\mathbf{dt}}\left(\frac{\boldsymbol{dW}}{\boldsymbol{\rho}\mathbf{dv}}\right)$$

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

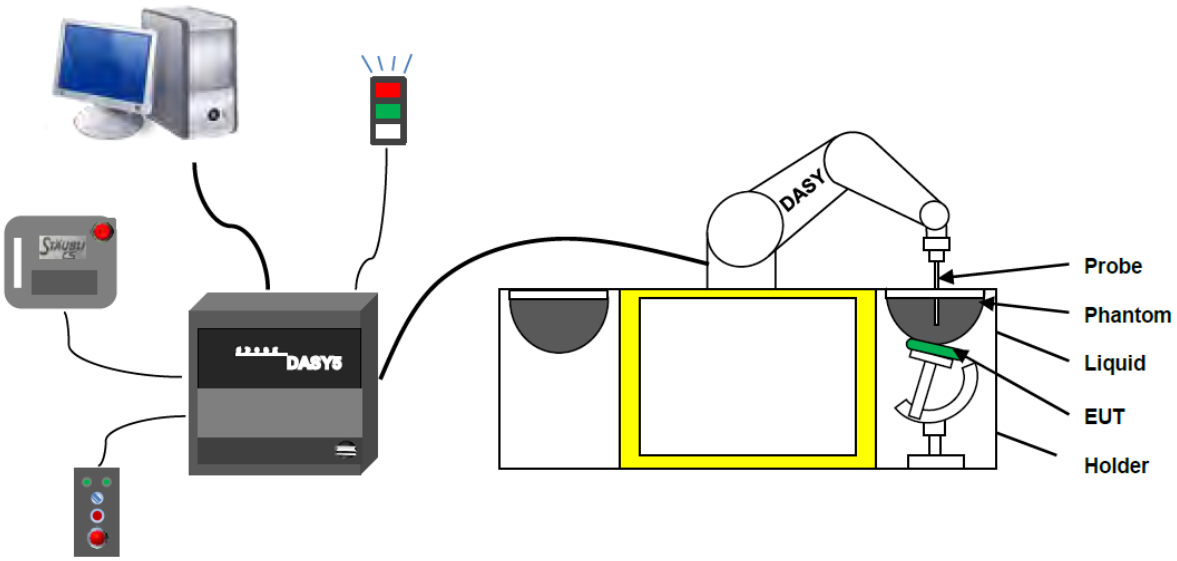
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

ρ is the mass density of the tissue and E is the RMS electrical field strength.

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram

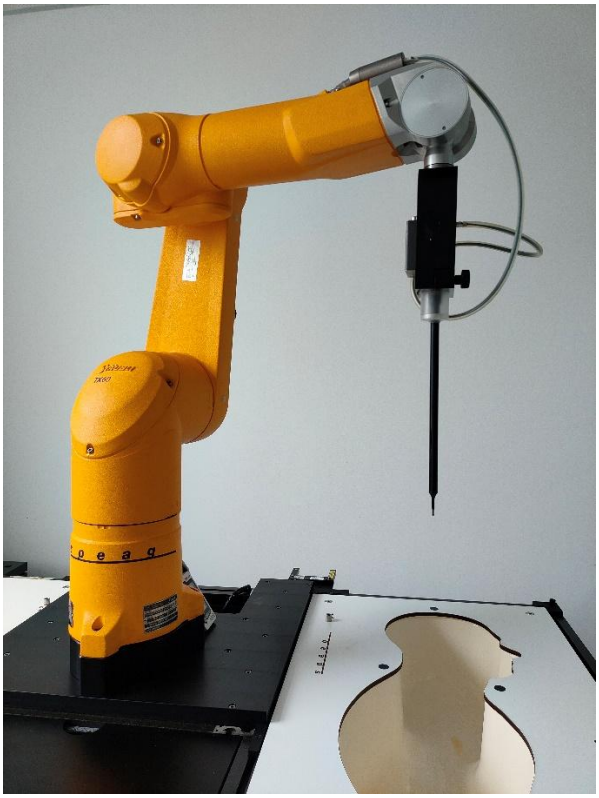


The DASY5 system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (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.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.
6. The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many features that are important for our application:



- High precision
  (repeatability ±0.02 mm)
- High reliability
  (industrial design)
- Low maintenance costs
  (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements
  (brush less synchron motors; no stepper motors)
- Low ELF interference
  (motor control _elds shielded via the closed metallic construction shields)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4 with following specifications is used.

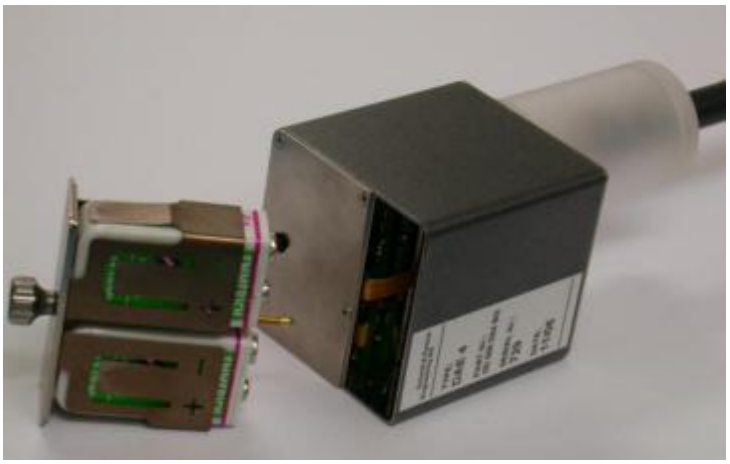
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	4 MHz to 10 GHz; Linearity: ± 0.2 dB
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 µW/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)

E-Field Probe Calibration Process

Probe calibration is realized, in compliance with IEC/IEEE 62209-1528 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the IEC/IEEE 62209-1528 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

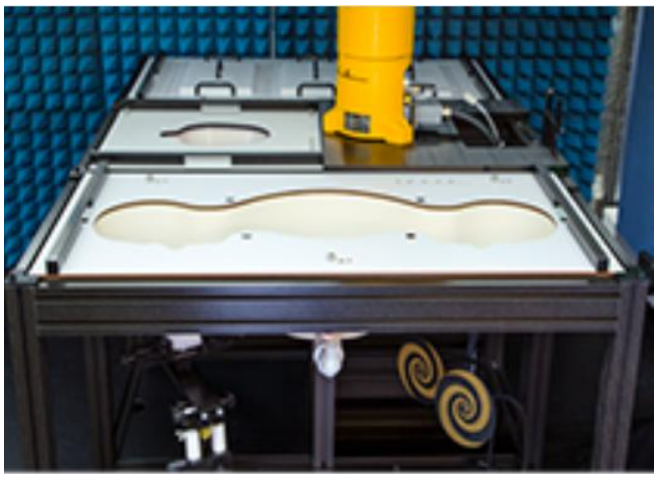
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.



- Input Impedance: 200MOhm
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

4.2.5 Phantoms

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.



- Left head
- Right head
- Flat phantom

4.2.6 Device Holder

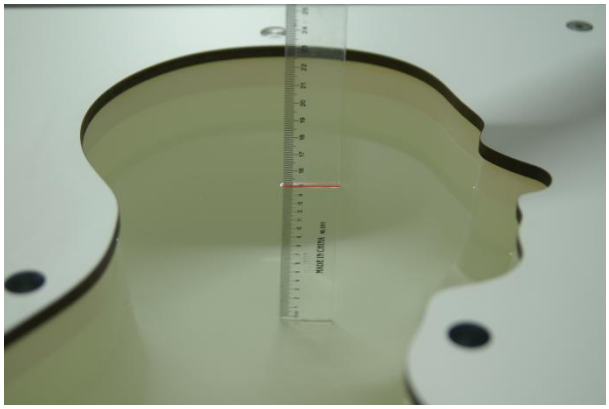
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA"s only. If necessary an additional support of polystyrene material is used. Larger DUT"s (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.

The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than 1°.

4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.

Head Liquid Depth



Body Liquid Depth

The following table gives the recipes for tissue simulating liquid.

TSL	Manufacturer / Model	Freq Range (MHz)	Main Ingredients
Head WideBand	SPEAG HBBL600-10000V6	600-10000	Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

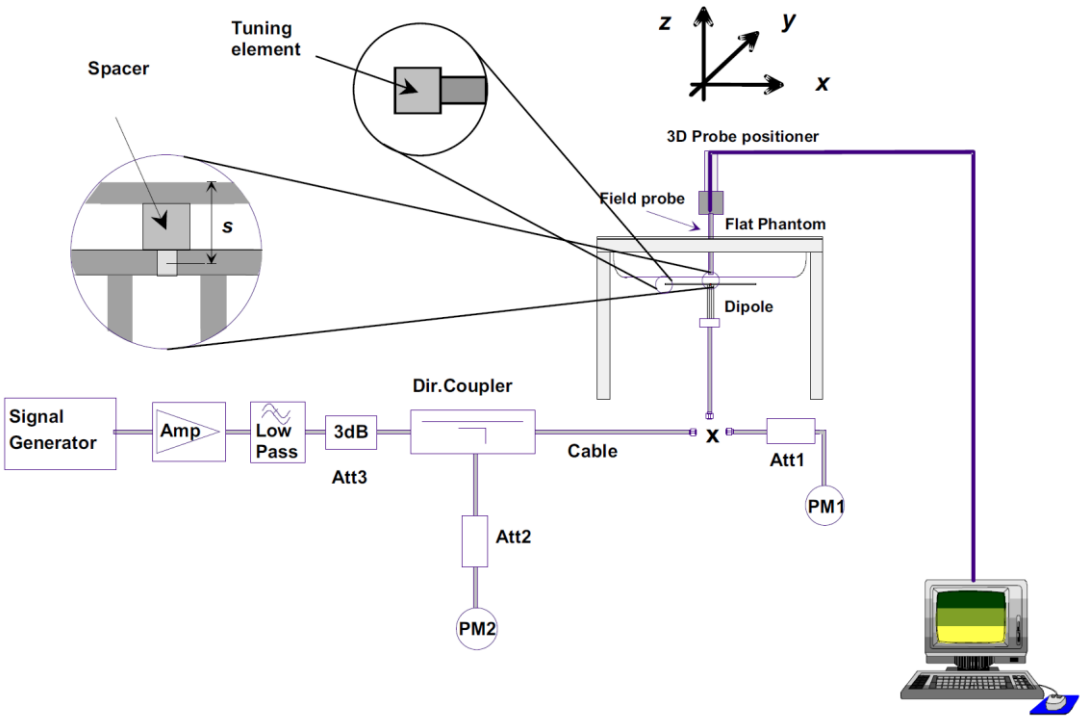
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source.This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

5.2 System Check Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



6 TEST POSITION CONFIGURATIONS

This DUT was tested in five different positions. They are back side, left edge, right edge, top edge and Bottom edge in these positions, the surface of DUT is touching with phantom 0mm.

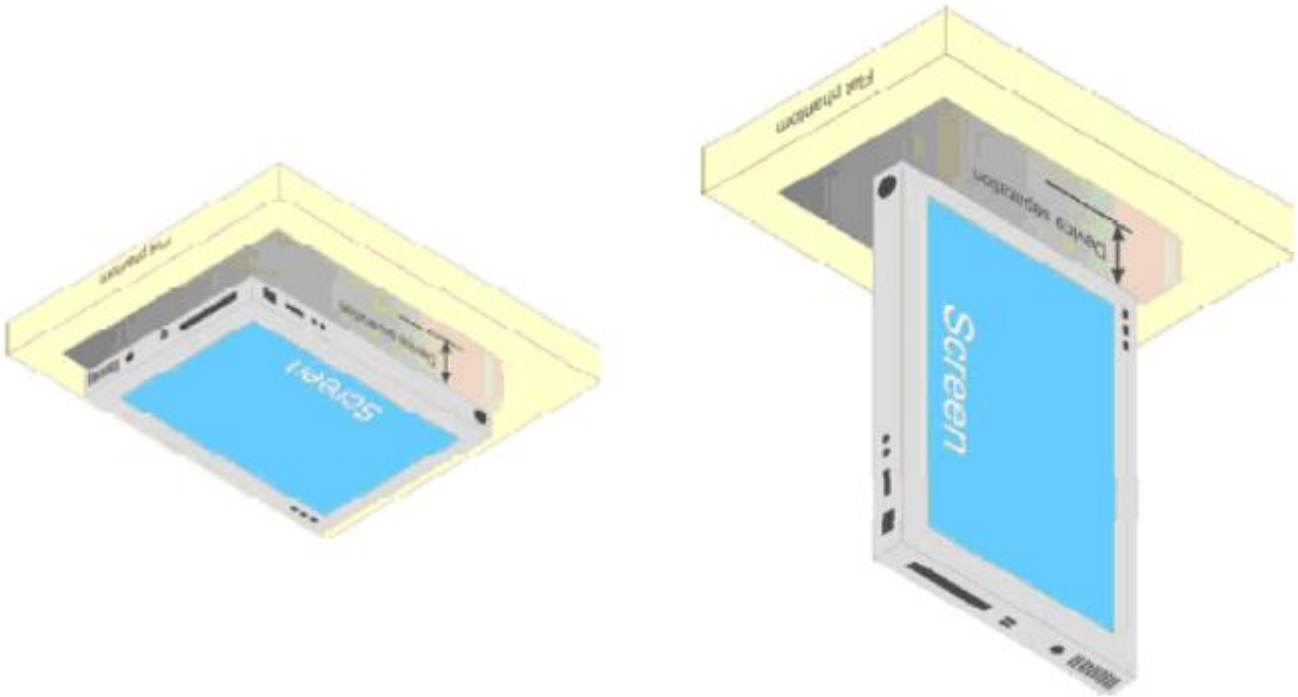
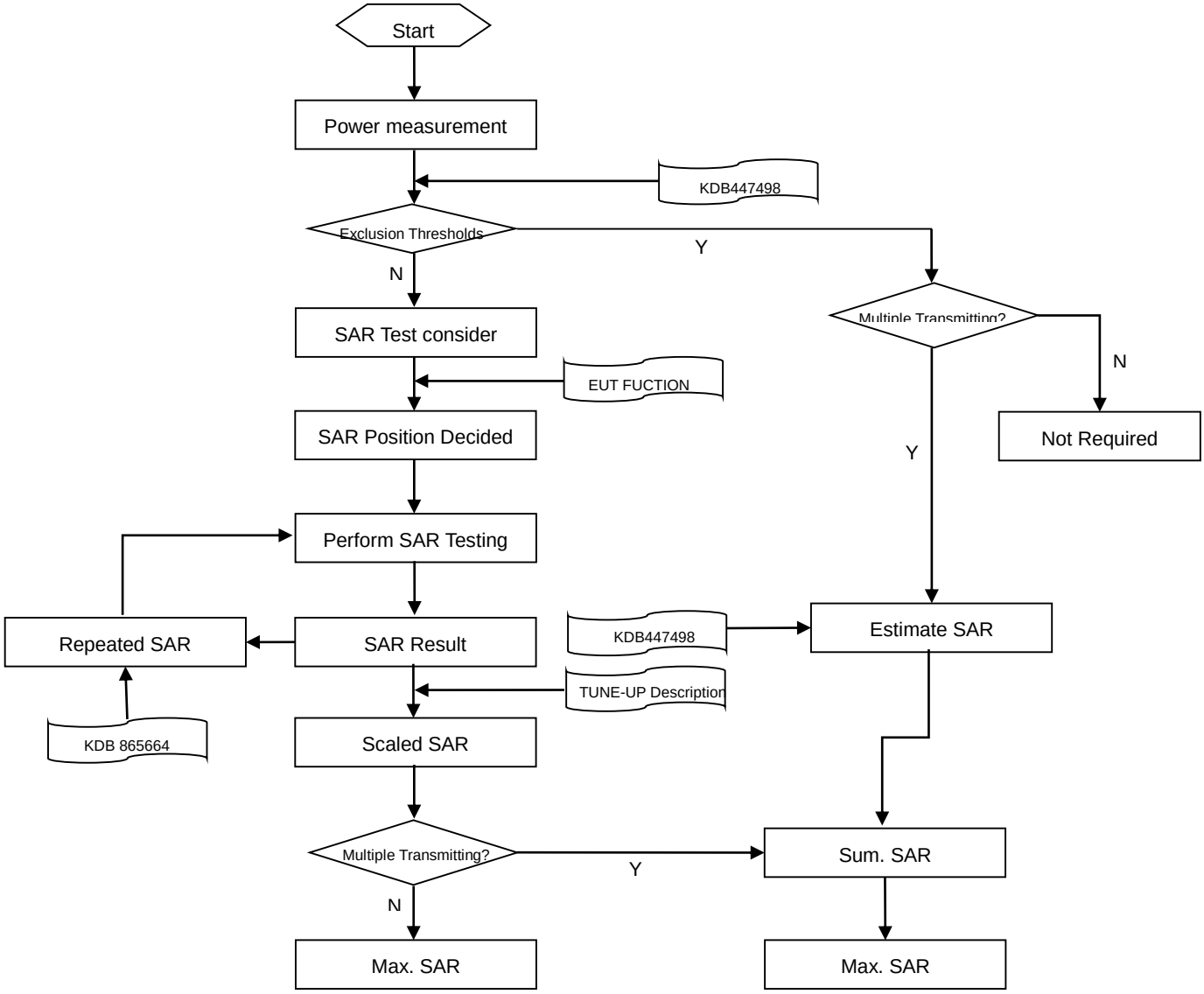


Fig Illustration for Lap-touching Position

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Boththe probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1 g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013.

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">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.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="6">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="3">graded grid</td><td rowspan="2">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="2">≤ 4 mm</td><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm
5–6 GHz: ≤ 2 mm</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</td><td colspan="2">≤ 1.5·Δz Zoom (n-1)</td></tr>
<tr><td rowspan="3">Minimum zoom scan volume</td><td colspan="2" rowspan="3">x, y, z</td><td rowspan="3">≥30 mm</td><td>3–4 GHz: ≥ 28 mm</td></tr>
<tr><td>4–5 GHz: ≥ 25 mm</td></tr>
<tr><td>5–6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">Note:
1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.</td></tr>
</table>

7.3 Measurement Procedure

The following steps are used for each test position

a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “Ti-CC26050344-AP.pdf”.

8.2 WCDMA

Please refer the document “Ti-CC26050344-AP.pdf”.

8.3 LTE

Please refer the document “Ti-CC26050344-AP.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.66	13.50	No
		6	2437	12.67	13.50	Yes
		11	2462	12.39	13.50	No
	802.11g	1	2412	12.30	13.50	No
		6	2437	12.21	13.00	No
		11	2462	12.00	13.00	No
	802.11n(HT20)	1	2412	12.15	13.00	No
		6	2437	12.12	13.00	No
		11	2462	11.86	13.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.54 * (22.39mW/22.39mW) = 0.54 W/Kg, so 2.4G OFDM SAR test is not required.

8.4.2 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	8.03	9.00	No
		44	5220	8.11	9.00	No
		48	5240	8.26	9.00	No
	802.11n(HT20)	36	5180	7.95	9.00	No
		44	5220	8.05	9.00	No
		48	5240	8.18	9.00	No
	802.11n(HT40)	38	5190	7.94	9.00	No
		46	5230	8.06	9.00	Yes
	802.11ac(VHT20)	36	5180	7.01	8.00	No
		44	5220	7.04	8.00	No
		48	5240	7.15	8.00	No
	802.11ac(VHT40)	38	5190	7.05	8.00	No

		46	5230	7.16	8.00	No
	802.11ac(VHT80)	42	5210	7.23	8.00	No
5.3 (5.25~5.35)	802.11a	52	5260	7.84	9.00	No
		60	5300	7.95	9.00	No
		64	5320	7.51	8.50	No
	802.11n(HT20)	52	5260	7.76	9.00	No
		60	5300	7.46	8.50	No
		64	5320	7.39	8.50	No
	802.11n(HT40)	54	5270	7.84	9.00	No
		62	5310	7.85	9.00	Yes
	802.11ac(VHT20)	52	5260	6.74	7.50	No
		60	5300	6.79	8.00	No
		64	5320	6.50	7.50	No
	802.11ac(VHT40)	54	5270	6.75	7.50	No
		62	5310	6.76	8.00	No
	802.11ac(VHT80)	58	5290	6.72	7.50	No
5.6 (5.47~5.725)	802.11a	100	5500	7.65	8.50	No
		116	5580	7.72	8.50	No
		140	5700	7.76	9.00	No
	802.11n(HT20)	100	5500	7.57	8.50	No
		116	5580	7.62	8.50	No
		140	5700	7.72	8.50	No
	802.11n(HT40)	102	5510	7.55	8.50	No
		118	5590	7.99	9.00	Yes
		134	5670	7.76	9.00	No
	802.11ac(VHT20)	100	5500	6.58	7.50	No
		116	5580	6.61	7.50	No
		140	5700	6.66	7.50	No
	802.11ac(VHT40)	102	5510	6.54	7.50	No
		118	5590	6.71	7.50	No
		134	5670	6.72	7.50	No
	802.11ac(VHT80)	106	5530	6.73	7.50	No
		122	5690	7.07	8.00	No
5.8 (5.725~5.850)	802.11a	149	5745	7.75	8.50	No
		157	5785	7.82	8.50	No
		165	5825	7.49	8.50	No
	802.11n(HT20)	149	5745	7.61	8.50	No
		157	5785	7.67	8.50	No
		165	5825	7.43	8.50	No

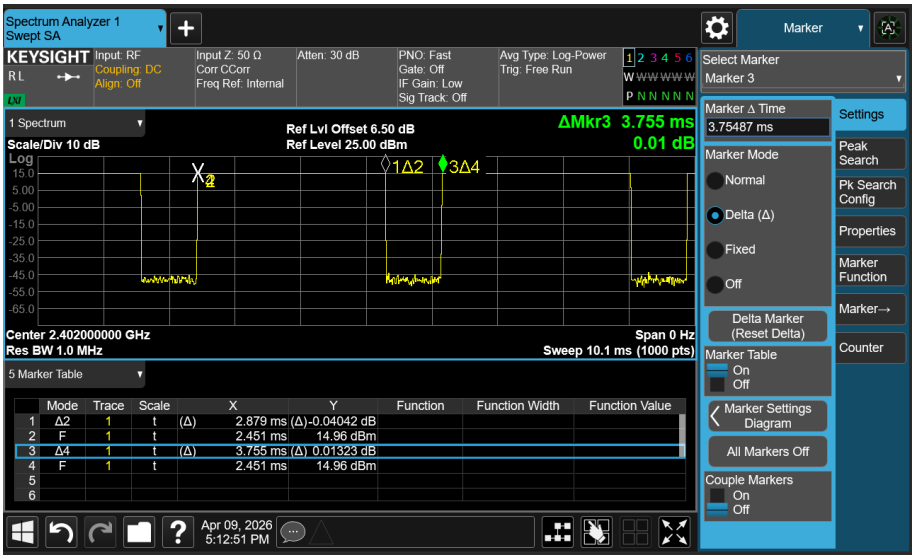
	802.11n(HT40)	151	5755	7.73	8.50	Yes
		159	5795	7.50	8.50	No
	802.11ac(VHT20)	149	5745	6.48	7.50	No
		157	5785	6.52	7.50	No
		165	5825	6.29	7.50	No
	802.11ac(VHT40)	151	5755	6.62	7.50	No
		159	5795	6.56	7.50	No
	802.11ac(VHT80)	155	5775	6.38	7.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.5 Bluetooth

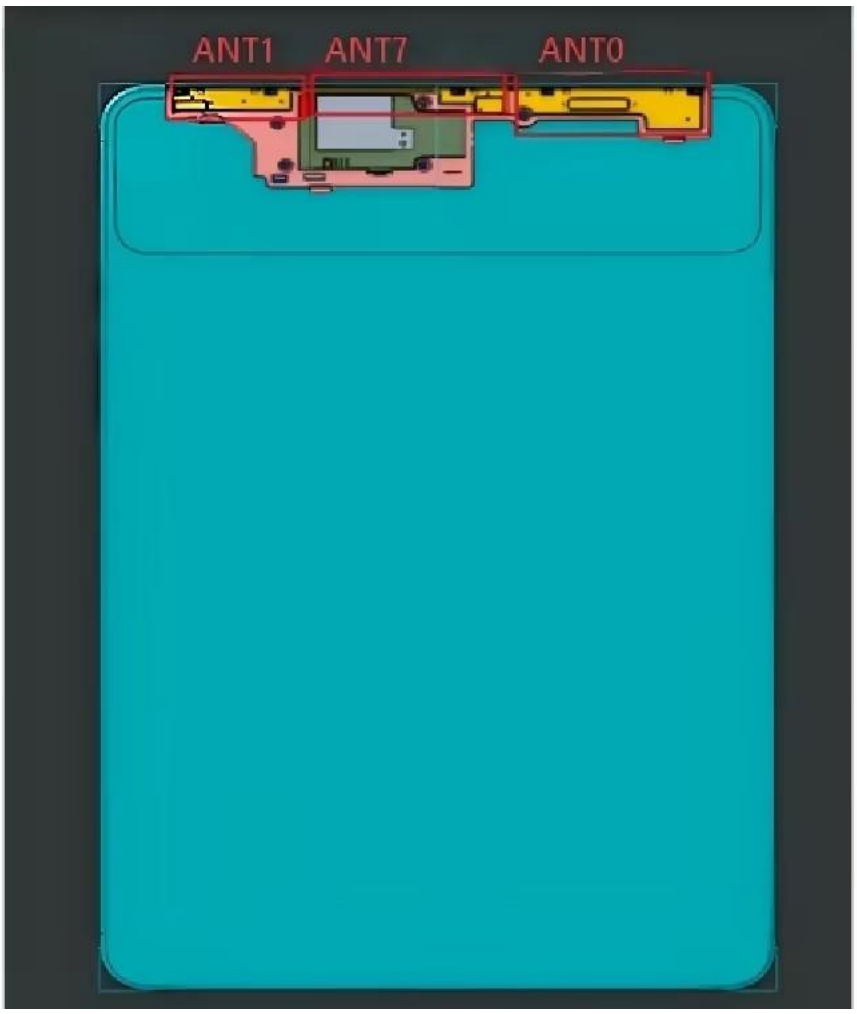
Bluetooth-ANT0						
Test Mode	Modulation	Channel number	Frequency(MHz)	Conducted Power (dBm)	Tune-Up Limit (dBm)	SAR Test Require
BT	DH5	0	2402	14.40	15.50	No
		39	2441	14.73	15.50	Yes
		78	2480	13.66	14.50	No
	2DH5	0	2402	13.65	14.50	No
		39	2441	14.29	15.50	No
		78	2480	13.09	14.00	No
	3DH5	0	2402	13.75	14.50	No
		39	2441	14.08	15.00	No
		78	2480	13.09	14.00	No
	BLE-1M	0	2402	14.09	15.00	No
		19	2440	14.35	15.50	No
		39	2480	13.18	14.00	No
	BLE-2M	1	2404	14.55	15.50	No
		19	2440	14.61	15.50	No
		38	2478	14.13	15.00	No
Note: Since bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

The Bluetooth duty cycle is 76.67% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle



9 TEST EXCLUSION CONSIDERATION



Antenna	Support Band
Ant 0	GSM850trx/900trx/1800trx/1900trx (WCDMAB1/B2/B4/B5/B8) trx (LTEB1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B26/B28/B66/B38/B41) trx
Ant 1	GPS+2.4GWIFI+5G WIFI +BT
Ant 7	RX only

SAR Test Exclusion Consideration Table

SAR Test Required						
Antenna	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
Ant 0	N/A	Yes	Yes	Yes	Yes	Yes
Ant 1	N/A	Yes	Yes	Yes	Yes	Yes

10 TEST RESULT

Note: Refer to ANNEX C for the detailed test data for each test configuration.

Band	Antenna	Mode	Position	Dist.(mm)	Bandwidth	Ch.	Freq.(MHz)	RB Size	RB offest	Power Drift(dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
GSM850	ANT0	GPRS 4Slots	Back Side	0	/	190	836.6	/	/	0.05	0.307	23.05	24.00	1.245	0.382	1
GSM850	ANT0	GPRS 4Slots	Left Edge	0	/	190	836.6	/	/	0.14	0.276	23.05	24.00	1.245	0.344	/
GSM850	ANT0	GPRS 4Slots	Right Edge	0	/	190	836.6	/	/	0.03	0.033	23.05	24.00	1.245	0.041	/
GSM850	ANT0	GPRS 4Slots	Top Edge	0	/	190	836.6	/	/	-0.11	0.092	23.05	24.00	1.245	0.115	/
GSM850	ANT0	GPRS 4Slots	Bottom Edge	0	/	190	836.6	/	/	0.13	0.028	23.05	24.00	1.245	0.035	/
GSM1900	ANT0	GPRS 4Slots	Back Side	0	/	661	1880	/	/	0.02	0.444	15.06	16.00	1.242	0.551	2
GSM1900	ANT0	GPRS 4Slots	Left Edge	0	/	661	1880	/	/	-0.09	0.420	15.06	16.00	1.242	0.522	/
GSM1900	ANT0	GPRS 4Slots	Right Edge	0	/	661	1880	/	/	-0.18	0.032	15.06	16.00	1.242	0.040	/
GSM1900	ANT0	GPRS 4Slots	Top Edge	0	/	661	1880	/	/	-0.04	0.047	15.06	16.00	1.242	0.058	/
GSM1900	ANT0	GPRS 4Slots	Bottom Edge	0	/	661	1880	/	/	-0.05	0.028	15.06	16.00	1.242	0.035	/
WCDMA B2	ANT0	RMC	Back Side	0	/	9400	1880	/	/	0.17	0.405	7.64	8.50	1.219	0.494	/
WCDMA B2	ANT0	RMC	Left Edge	0	/	9400	1880	/	/	0.15	0.469	7.64	8.50	1.219	0.572	3
WCDMA B2	ANT0	RMC	Right Edge	0	/	9400	1880	/	/	0.04	0.031	7.64	8.50	1.219	0.038	/
WCDMA B2	ANT0	RMC	Top Edge	0	/	9400	1880	/	/	-0.17	0.037	7.64	8.50	1.219	0.045	/
WCDMA B2	ANT0	RMC	Bottom Edge	0	/	9400	1880	/	/	-0.05	0.028	7.64	8.50	1.219	0.034	/
WCDMA B4	ANT0	RMC	Back Side	0	/	1412	1732.4	/	/	-0.07	0.245	7.71	8.50	1.199	0.294	/
WCDMA B4	ANT0	RMC	Left Edge	0	/	1412	1732.4	/	/	0.07	0.322	7.71	8.50	1.199	0.386	4
WCDMA B4	ANT0	RMC	Right Edge	0	/	1412	1732.4	/	/	0.04	0.029	7.71	8.50	1.199	0.035	/

Band	Antenna	Mode	Position	Dist.(mm)	Bandwidth	Ch.	Freq.(MHz)	RB Size	RB offest	Power Drift(dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
WCDMA B4	ANT0	RMC	Top Edge	0	/	1412	1732.4	/	/	0.14	0.034	7.71	8.50	1.199	0.041	/
WCDMA B4	ANT0	RMC	Bottom Edge	0	/	1412	1732.4	/	/	0.07	0.027	7.71	8.50	1.199	0.032	/
WCDMA B5	ANT0	RMC	Back Side	0	/	4183	836.6	/	/	0.19	0.157	13.32	13.5	1.042	0.164	/
WCDMA B5	ANT0	RMC	Left Edge	0	/	4183	836.6	/	/	0.06	0.159	13.32	13.5	1.042	0.166	5
WCDMA B5	ANT0	RMC	Right Edge	0	/	4183	836.6	/	/	-0.03	0.025	13.32	13.5	1.042	0.026	/
WCDMA B5	ANT0	RMC	Top Edge	0	/	4183	836.6	/	/	0.07	0.038	13.32	13.5	1.042	0.040	/
WCDMA B5	ANT0	RMC	Bottom Edge	0	/	4183	836.6	/	/	0.10	0.024	13.32	13.5	1.042	0.025	/
LTE B2	ANT0	QPSK	Back Side	0	20	18900	1880	1	0	0.13	0.439	7.89	8.50	1.151	0.505	/
LTE B2	ANT0	QPSK	Left Edge	0	20	18900	1880	1	0	-0.04	0.520	7.89	8.50	1.151	0.599	6
LTE B2	ANT0	QPSK	Right Edge	0	20	18900	1880	1	0	0.05	0.037	7.89	8.50	1.151	0.043	/
LTE B2	ANT0	QPSK	Top Edge	0	20	18900	1880	1	0	0.03	0.046	7.89	8.50	1.151	0.053	/
LTE B2	ANT0	QPSK	Bottom Edge	0	20	18900	1880	1	0	0.16	0.029	7.89	8.50	1.151	0.033	/
LTE B2	ANT0	QPSK	Back Side	0	20	18900	1880	50	0	-0.03	0.411	7.82	8.50	1.169	0.480	/
LTE B2	ANT0	QPSK	Left Edge	0	20	18900	1880	50	0	0.10	0.465	7.82	8.50	1.169	0.544	/
LTE B2	ANT0	QPSK	Right Edge	0	20	18900	1880	50	0	0.13	0.032	7.82	8.50	1.169	0.037	/
LTE B2	ANT0	QPSK	Top Edge	0	20	18900	1880	50	0	-0.15	0.043	7.82	8.50	1.169	0.050	/
LTE B2	ANT0	QPSK	Bottom Edge	0	20	18900	1880	50	0	0.03	0.024	7.82	8.50	1.169	0.028	/
LTE B7	ANT0	QPSK	Back Side	0	20	21100	2535	1	0	0.03	0.534	8.23	9.00	1.194	0.638	7
LTE B7	ANT0	QPSK	Left Edge	0	20	21100	2535	1	0	0.19	0.363	8.23	9.00	1.194	0.433	/
LTE B7	ANT0	QPSK	Right Edge	0	20	21100	2535	1	0	-0.02	0.038	8.23	9.00	1.194	0.045	/

Band	Antenna	Mode	Position	Dist.(mm)	Bandwidth	Ch.	Freq.(MHz)	RB Size	RB offest	Power Drift(dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTE B7	ANT0	QPSK	Top Edge	0	20	21100	2535	1	0	0.04	0.040	8.23	9.00	1.194	0.048	/
LTE B7	ANT0	QPSK	Bottom Edge	0	20	21100	2535	1	0	-0.17	0.030	8.23	9.00	1.194	0.036	/
LTE B7	ANT0	QPSK	Back Side	0	20	21100	2535	50	0	0.15	0.521	8.14	9.00	1.219	0.635	/
LTE B7	ANT0	QPSK	Left Edge	0	20	21100	2535	50	0	-0.02	0.337	8.14	9.00	1.219	0.411	/
LTE B7	ANT0	QPSK	Right Edge	0	20	21100	2535	50	0	0.02	0.032	8.14	9.00	1.219	0.039	/
LTE B7	ANT0	QPSK	Top Edge	0	20	21100	2535	50	0	0.08	0.033	8.14	9.00	1.219	0.040	/
LTE B7	ANT0	QPSK	Bottom Edge	0	20	21100	2535	50	0	-0.10	0.026	8.14	9.00	1.219	0.032	/
LTE B12	ANT0	QPSK	Back Side	0	10	23095	707.5	1	0	0.05	0.254	13.32	14.00	1.169	0.297	/
LTE B12	ANT0	QPSK	Left Edge	0	10	23095	707.5	1	0	-0.17	0.237	13.32	14.00	1.169	0.277	/
LTE B12	ANT0	QPSK	Right Edge	0	10	23095	707.5	1	0	-0.19	0.03	13.32	14.00	1.169	0.035	/
LTE B12	ANT0	QPSK	Top Edge	0	10	23095	707.5	1	0	-0.12	0.032	13.32	14.00	1.169	0.037	/
LTE B12	ANT0	QPSK	Bottom Edge	0	10	23095	707.5	1	0	0.20	0.026	13.32	14.00	1.169	0.030	/
LTE B12	ANT0	QPSK	Back Side	0	10	23095	707.5	25	0	0.13	0.255	13.27	14.00	1.183	0.302	/
LTE B12	ANT0	QPSK	Left Edge	0	10	23095	707.5	25	0	0.11	0.257	13.27	14.00	1.183	0.304	8
LTE B12	ANT0	QPSK	Right Edge	0	10	23095	707.5	25	0	0.09	0.024	13.27	14.00	1.183	0.028	/
LTE B12	ANT0	QPSK	Top Edge	0	10	23095	707.5	25	0	0.18	0.025	13.27	14.00	1.183	0.030	/
LTE B12	ANT0	QPSK	Bottom Edge	0	10	23095	707.5	25	0	0.02	0.021	13.27	14.00	1.183	0.025	/
LTE B13	ANT0	QPSK	Back Side	0	10	23230	782	1	0	0.03	0.189	15.22	16.00	1.197	0.226	/
LTE B13	ANT0	QPSK	Left Edge	0	10	23230	782	1	0	0.19	0.332	15.22	16.00	1.197	0.397	/
LTE B13	ANT0	QPSK	Right Edge	0	10	23230	782	1	0	-0.13	0.025	15.22	16.00	1.197	0.030	/
LTE B13	ANT0	QPSK	Top Edge	0	10	23230	782	1	0	-0.17	0.032	15.22	16.00	1.197	0.038	/

Band	Antenna	Mode	Position	Dist.(mm)	Bandwidth	Ch.	Freq.(MHz)	RB Size	RB offest	Power Drift(dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTE B13	ANT0	QPSK	Bottom Edge	0	10	23230	782	1	0	-0.19	0.023	15.22	16.00	1.197	0.028	/
LTE B13	ANT0	QPSK	Back Side	0	10	23230	782	25	0	-0.06	0.257	15.19	16.00	1.205	0.310	/
LTE B13	ANT0	QPSK	Left Edge	0	10	23230	782	25	0	0.09	0.357	15.19	16.00	1.205	0.430	9
LTE B13	ANT0	QPSK	Right Edge	0	10	23230	782	25	0	-0.14	0.024	15.19	16.00	1.205	0.029	/
LTE B13	ANT0	QPSK	Top Edge	0	10	23230	782	25	0	0.09	0.026	15.19	16.00	1.205	0.031	/
LTE B13	ANT0	QPSK	Bottom Edge	0	10	23230	782	25	0	-0.11	0.021	15.19	16.00	1.205	0.025	/
LTE B26	ANT0	QPSK	Back Side	0	15	26865	831.5	1	0	-0.2	0.173	13.41	14.50	1.285	0.222	/
LTE B26	ANT0	QPSK	Left Edge	0	15	26865	831.5	1	0	-0.06	0.161	13.41	14.50	1.285	0.207	/
LTE B26	ANT0	QPSK	Right Edge	0	15	26865	831.5	1	0	-0.03	0.023	13.41	14.50	1.285	0.030	/
LTE B26	ANT0	QPSK	Top Edge	0	15	26865	831.5	1	0	0.01	0.032	13.41	14.50	1.285	0.041	/
LTE B26	ANT0	QPSK	Bottom Edge	0	15	26865	831.5	1	0	-0.11	0.022	13.41	14.50	1.285	0.028	/
LTE B26	ANT0	QPSK	Back Side	0	15	26865	831.5	36	0	0.10	0.194	13.35	14.50	1.303	0.253	10
LTE B26	ANT0	QPSK	Left Edge	0	15	26865	831.5	36	0	-0.09	0.174	13.35	14.50	1.303	0.227	/
LTE B26	ANT0	QPSK	Right Edge	0	15	26865	831.5	36	0	0.12	0.023	13.35	14.50	1.303	0.030	/
LTE B26	ANT0	QPSK	Top Edge	0	15	26865	831.5	36	0	0.18	0.034	13.35	14.50	1.303	0.044	/
LTE B26	ANT0	QPSK	Bottom Edge	0	15	26865	831.5	36	0	-0.14	0.020	13.35	14.50	1.303	0.026	/
LTE B66	ANT0	QPSK	Back Side	0	20	132322	1745	1	0	-0.01	0.325	8.30	9.00	1.175	0.382	/
LTE B66	ANT0	QPSK	Left Edge	0	20	132322	1745	1	0	0.01	0.409	8.30	9.00	1.175	0.481	11
LTE B66	ANT0	QPSK	Right Edge	0	20	132322	1745	1	0	-0.09	0.027	8.30	9.00	1.175	0.032	/
LTE B66	ANT0	QPSK	Top Edge	0	20	132322	1745	1	0	-0.02	0.031	8.30	9.00	1.175	0.036	/
LTE B66	ANT0	QPSK	Bottom Edge	0	20	132322	1745	1	0	-0.14	0.023	8.30	9.00	1.175	0.027	/

Band	Antenna	Mode	Position	Dist.(mm)	Bandwidth	Ch.	Freq.(MHz)	RB Size	RB offest	Power Drift(dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTE B66	ANT0	QPSK	Back Side	0	20	132322	1745	50	0	-0.08	0.335	8.18	9.00	1.208	0.405	/
LTE B66	ANT0	QPSK	Left Edge	0	20	132322	1745	50	0	0.19	0.389	8.18	9.00	1.208	0.470	/
LTE B66	ANT0	QPSK	Right Edge	0	20	132322	1745	50	0	0.09	0.026	8.18	9.00	1.208	0.031	/
LTE B66	ANT0	QPSK	Top Edge	0	20	132322	1745	50	0	0.12	0.031	8.18	9.00	1.208	0.037	/
LTE B66	ANT0	QPSK	Bottom Edge	0	20	132322	1745	50	0	0.04	0.024	8.18	9.00	1.208	0.029	/
LTE B41	ANT0	QPSK	Back Side	0	20	40620	2593	1	0	0.09	0.507	10.25	11.00	1.189	0.603	/
LTE B41	ANT0	QPSK	Left Edge	0	20	40620	2593	1	0	0.05	0.298	10.25	11.00	1.189	0.354	/
LTE B41	ANT0	QPSK	Right Edge	0	20	40620	2593	1	0	0.06	0.030	10.25	11.00	1.189	0.036	/
LTE B41	ANT0	QPSK	Top Edge	0	20	40620	2593	1	0	0.12	0.032	10.25	11.00	1.189	0.038	/
LTE B41	ANT0	QPSK	Bottom Edge	0	20	40620	2593	1	0	-0.13	0.027	10.25	11.00	1.189	0.032	/
LTE B41	ANT0	QPSK	Back Side	0	20	40620	2593	50	0	0.08	0.536	10.11	11.00	1.227	0.658	12
LTE B41	ANT0	QPSK	Left Edge	0	20	40620	2593	50	0	-0.01	0.300	10.11	11.00	1.227	0.368	/
LTE B41	ANT0	QPSK	Right Edge	0	20	40620	2593	50	0	-0.12	0.028	10.11	11.00	1.227	0.034	/
LTE B41	ANT0	QPSK	Top Edge	0	20	40620	2593	50	0	-0.10	0.029	10.11	11.00	1.227	0.036	/
LTE B41	ANT0	QPSK	Bottom Edge	0	20	40620	2593	50	0	-0.14	0.025	10.11	11.00	1.227	0.031	/

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
Bluetooth	ANT1	DH5	Back Side	0	39	2441	0.06	0.167	14.73	15.50	1.194	76.67	1.304	0.260	13
Bluetooth	ANT1	DH5	Left Edge	0	39	2441	0.05	0.166	14.73	15.50	1.194	76.67	1.304	0.258	/
Bluetooth	ANT1	DH5	Right Edge	0	39	2441	0.13	0.025	14.73	15.50	1.194	76.67	1.304	0.039	/
Bluetooth	ANT1	DH5	Top Edge	0	39	2441	-0.16	0.029	14.73	15.50	1.194	76.67	1.304	0.045	/

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
Bluetooth	ANT1	DH5	Bottom Edge	0	39	2441	0.01	0.030	14.73	15.50	1.194	76.67	1.304	0.047	/
2.4G WIFI	ANT1	802.11b	Back Side	0	6	2437	0.12	0.448	12.67	13.50	1.211	100.00	1.000	0.543	14
2.4G WIFI	ANT1	802.11b	Left Edge	0	6	2437	-0.04	0.377	12.67	13.50	1.211	100.00	1.000	0.457	/
2.4G WIFI	ANT1	802.11b	Right Edge	0	6	2437	-0.02	0.026	12.67	13.50	1.211	100.00	1.000	0.031	/
2.4G WIFI	ANT1	802.11b	Top Edge	0	6	2437	-0.18	0.063	12.67	13.50	1.211	100.00	1.000	0.076	/
2.4G WIFI	ANT1	802.11b	Bottom Edge	0	6	2437	0.13	0.024	12.67	13.50	1.211	100.00	1.000	0.029	/
5.2G WIFI	ANT1	802.11n40	Back Side	0	46	5230	0.09	0.306	8.06	9.00	1.242	94.73	1.056	0.401	15
5.2G WIFI	ANT1	802.11n40	Left Edge	0	46	5230	-0.18	0.269	8.06	9.00	1.242	94.73	1.056	0.353	/
5.2G WIFI	ANT1	802.11n40	Right Edge	0	46	5230	0.02	0.024	8.06	9.00	1.242	94.73	1.056	0.031	/
5.2G WIFI	ANT1	802.11n40	Top Edge	0	46	5230	-0.13	0.034	8.06	9.00	1.242	94.73	1.056	0.045	/
5.2G WIFI	ANT1	802.11n40	Bottom Edge	0	46	5230	-0.03	0.030	8.06	9.00	1.242	94.73	1.056	0.039	/
5.3G WIFI	ANT1	802.11n40	Back Side	0	62	5310	-0.15	0.258	7.85	9.00	1.305	94.73	1.056	0.356	/
5.3G WIFI	ANT1	802.11n40	Left Edge	0	62	5310	0.08	0.381	7.85	9.00	1.305	94.73	1.056	0.525	16
5.3G WIFI	ANT1	802.11n40	Right Edge	0	62	5310	0.01	0.024	7.85	9.00	1.305	94.73	1.056	0.033	/
5.3G WIFI	ANT1	802.11n40	Top Edge	0	62	5310	0.12	0.020	7.85	9.00	1.305	94.73	1.056	0.028	/
5.3G WIFI	ANT1	802.11n40	Bottom Edge	0	62	5310	-0.02	0.023	7.85	9.00	1.305	94.73	1.056	0.032	/
5.6G WIFI	ANT1	802.11n40	Back Side	0	118	5590	-0.18	0.336	7.99	9.00	1.262	94.73	1.056	0.448	/
5.6G WIFI	ANT1	802.11n40	Left Edge	0	118	5590	-0.01	0.413	7.99	9.00	1.262	94.73	1.056	0.550	17
5.6G WIFI	ANT1	802.11n40	Right Edge	0	118	5590	0.18	0.027	7.99	9.00	1.262	94.73	1.056	0.036	/
5.6G WIFI	ANT1	802.11n40	Top Edge	0	118	5590	-0.04	0.030	7.99	9.00	1.262	94.73	1.056	0.040	/
5.6G WIFI	ANT1	802.11n40	Bottom Edge	0	118	5590	0.08	0.025	7.99	9.00	1.262	94.73	1.056	0.033	/
5.8G WIFI	ANT1	802.11n40	Back Side	0	151	5755	-0.12	0.241	7.73	8.50	1.194	94.73	1.056	0.304	/
5.8G WIFI	ANT1	802.11n40	Left Edge	0	151	5755	0.15	0.398	7.73	8.50	1.194	94.73	1.056	0.502	18
5.8G WIFI	ANT1	802.11n40	Right Edge	0	151	5755	0.16	0.024	7.73	8.50	1.194	94.73	1.056	0.030	/
5.8G WIFI	ANT1	802.11n40	Top Edge	0	151	5755	-0.08	0.020	7.73	8.50	1.194	94.73	1.056	0.025	/
5.8G WIFI	ANT1	802.11n40	Bottom Edge	0	151	5755	0.16	0.026	7.73	8.50	1.194	94.73	1.056	0.033	/

11 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10, the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. 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.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is >= 0.80 W/kg, repeat that measurement once.
3. 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 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20, and the original, first or second repeated measurement is >= 1.5 W/kg, perform a third repeated measurement.

Note: For product Body 1g SAR, the highest measured 1g SAR is 0.66 W/kg < 0.8 W/kg, repeated measurement is not required.

12 SIMULTANEOUS TRANSMISSION

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR 1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR 1g 1.6 W/kg), SAR test exclusion is determined by the SAR to Peak Location Ratio (SPLSR).

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Body
1	WWAN+WIFI2.4G+BT	Yes
2	WWAN+WIFI5G+BT	Yes

1. 2G&3G&4G share the same antenna and can't transmit simultaneously.
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. When stand-alone SAR is not required for a side of antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
4. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Sum Body-worn SAR of Simultaneous Transmission

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5G WIFI	Bluetooth	1+2+4	1+3+4
GSM850	ANT0	Back Side	0.382	0.543	0.448	0.260	1.185	1.090
GSM850	ANT0	Left Edge	0.344	0.457	0.550	0.258	1.059	1.152
GSM850	ANT0	Right Edge	0.041	0.031	0.036	0.039	0.111	0.116
GSM850	ANT0	Top Edge	0.115	0.076	0.045	0.045	0.236	0.205
GSM850	ANT0	Bottom Edge	0.035	0.029	0.039	0.047	0.111	0.121
GSM1900	ANT0	Back Side	0.551	0.543	0.448	0.260	1.354	1.259
GSM1900	ANT0	Left Edge	0.522	0.457	0.550	0.258	1.237	1.330
GSM1900	ANT0	Right Edge	0.040	0.031	0.036	0.039	0.110	0.115
GSM1900	ANT0	Top Edge	0.058	0.076	0.045	0.045	0.179	0.148
GSM1900	ANT0	Bottom Edge	0.035	0.029	0.039	0.047	0.111	0.121
WCDMA B2	ANT0	Back Side	0.494	0.543	0.448	0.260	1.297	1.202
WCDMA B2	ANT0	Left Edge	0.572	0.457	0.550	0.258	1.287	1.380
WCDMA B2	ANT0	Right Edge	0.038	0.031	0.036	0.039	0.108	0.113

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5G WIFI	Bluetooth	1+2+4	1+3+4
WCDMA B2	ANT0	Top Edge	0.045	0.076	0.045	0.045	0.166	0.135
WCDMA B2	ANT0	Bottom Edge	0.034	0.029	0.039	0.047	0.110	0.120
WCDMA B4	ANT0	Back Side	0.294	0.543	0.448	0.260	1.097	1.002
WCDMA B4	ANT0	Left Edge	0.386	0.457	0.550	0.258	1.101	1.194
WCDMA B4	ANT0	Right Edge	0.035	0.031	0.036	0.039	0.105	0.110
WCDMA B4	ANT0	Top Edge	0.041	0.076	0.045	0.045	0.162	0.131
WCDMA B4	ANT0	Bottom Edge	0.032	0.029	0.039	0.047	0.108	0.118
WCDMA B5	ANT0	Back Side	0.164	0.543	0.448	0.260	0.967	0.872
WCDMA B5	ANT0	Left Edge	0.166	0.457	0.550	0.258	0.881	0.974
WCDMA B5	ANT0	Right Edge	0.026	0.031	0.036	0.039	0.096	0.101
WCDMA B5	ANT0	Top Edge	0.040	0.076	0.045	0.045	0.161	0.130
WCDMA B5	ANT0	Bottom Edge	0.025	0.029	0.039	0.047	0.101	0.111
LTE B2	ANT0	Back Side	0.505	0.543	0.448	0.260	1.308	1.213
LTE B2	ANT0	Left Edge	0.599	0.457	0.550	0.258	1.314	1.407
LTE B2	ANT0	Right Edge	0.043	0.031	0.036	0.039	0.113	0.118
LTE B2	ANT0	Top Edge	0.053	0.076	0.045	0.045	0.174	0.143
LTE B2	ANT0	Bottom Edge	0.033	0.029	0.039	0.047	0.109	0.119
LTE B7	ANT0	Back Side	0.638	0.543	0.448	0.260	1.441	1.346
LTE B7	ANT0	Left Edge	0.433	0.457	0.550	0.258	1.148	1.241
LTE B7	ANT0	Right Edge	0.045	0.031	0.036	0.039	0.115	0.120
LTE B7	ANT0	Top Edge	0.048	0.076	0.045	0.045	0.169	0.138
LTE B7	ANT0	Bottom Edge	0.036	0.029	0.039	0.047	0.112	0.122
LTE B12	ANT0	Back Side	0.302	0.543	0.448	0.260	1.105	1.010
LTE B12	ANT0	Left Edge	0.304	0.457	0.550	0.258	1.019	1.112
LTE B12	ANT0	Right Edge	0.035	0.031	0.036	0.039	0.105	0.110
LTE B12	ANT0	Top Edge	0.037	0.076	0.045	0.045	0.158	0.127
LTE B12	ANT0	Bottom Edge	0.030	0.029	0.039	0.047	0.106	0.116
LTE B13	ANT0	Back Side	0.310	0.543	0.448	0.260	1.113	1.018
LTE B13	ANT0	Left Edge	0.430	0.457	0.550	0.258	1.145	1.238
LTE B13	ANT0	Right Edge	0.030	0.031	0.036	0.039	0.100	0.105
LTE B13	ANT0	Top Edge	0.038	0.076	0.045	0.045	0.159	0.128
LTE B13	ANT0	Bottom Edge	0.028	0.029	0.039	0.047	0.104	0.114
LTE B26	ANT0	Back Side	0.253	0.543	0.448	0.260	1.056	0.961
LTE B26	ANT0	Left Edge	0.227	0.457	0.550	0.258	0.942	1.035
LTE B26	ANT0	Right Edge	0.030	0.031	0.036	0.039	0.100	0.105
LTE B26	ANT0	Top Edge	0.044	0.076	0.045	0.045	0.165	0.134
LTE B26	ANT0	Bottom Edge	0.028	0.029	0.039	0.047	0.104	0.114
LTE B66	ANT0	Back Side	0.405	0.543	0.448	0.260	1.208	1.113
LTE B66	ANT0	Left Edge	0.481	0.457	0.550	0.258	1.196	1.289
LTE B66	ANT0	Right Edge	0.032	0.031	0.036	0.039	0.102	0.107

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5G WIFI	Bluetooth	1+2+4	1+3+4
LTE B66	ANT0	Top Edge	0.037	0.076	0.045	0.045	0.158	0.127
LTE B66	ANT0	Bottom Edge	0.029	0.029	0.039	0.047	0.105	0.115
LTE B41	ANT0	Back Side	0.658	0.543	0.448	0.260	1.461	1.366
LTE B41	ANT0	Left Edge	0.368	0.457	0.550	0.258	1.083	1.176
LTE B41	ANT0	Right Edge	0.036	0.031	0.036	0.039	0.106	0.111
LTE B41	ANT0	Top Edge	0.038	0.076	0.045	0.045	0.159	0.128
LTE B41	ANT0	Bottom Edge	0.032	0.029	0.039	0.047	0.108	0.118

Note:

1: The simultaneous transmission combinations of the antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.461 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.10.4.1535	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	1201	2024/09/03	2027/09/03
835MHz Validation Dipole	Speag	D835V2	4d277	2024/08/30	2027/08/30
1750MHz Validation Dipole	Speag	D1750V2	1183	2024/09/03	2027/09/03
1900MHz Validation Dipole	Speag	D1900V2	5d155	2024/09/02	2027/09/02
2450MHz Validation Dipole	Speag	D2450V2	1065	2024/09/05	2027/09/05
2600MHz Validation Dipole	Speag	D2600V2	1184	2024/08/30	2027/08/30
5GHz Validation Dipole	Speag	D5GHzV2	1333	2024/09/04	2027/09/04
Data Acquisition Electronicsr	Speag	DAE4	1389	2026/05/08	2027/05/08
E-Field Probe	Speag	EX3DV4	7986	2026/04/07	2027/04/07
Signal Generator	R&S	SMB100A	182635	2026/02/03	2027/02/03
Power Meter	Agilent	E4419B	MY45104512	2026/02/03	2027/02/03
Power Sensor	Agilent	E9304A	MY41499059	2026/02/03	2027/02/03
Power Sensor	Agilent	E9304A	MY41499060	2026/02/03	2027/02/03
Wireless Communication Test Set	R&S	CMW500	168792	2026/02/05	2027/02/05
Network Analyzer	Agilent	E5071C	MY56301409	2026/02/03	2027/02/03
Thermometer	CEM	DT-322	210402350	2026/01/28	2027/01/28
Thermometer	Elitech	RC-4HC	EF7247001275	2026/01/28	2027/01/28
Power Amplifier	COM-MW	PAO.4	201704001	N/A	N/A
Test Software	Agilent	85070	E04.02.13	N/A	N/A
Dielectric Probe Kit	Keysight	85070E	MY44300524	N/A	N/A
Phantom	Speag	ELI V4.0	1086	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

Note: For dipole antennas, Tejet has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an 85070E Dielectric Probe Kit.

Head Liquid

Date	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2026.5.29	750	21.6	0.87	42.40	0.89	41.94	-2.25	1.10
2026.5.30	835	21.4	0.91	42.05	0.90	41.50	1.11	1.33
2026.5.31	1750	21.1	1.35	41.33	1.37	40.08	-1.46	3.12
2026.6.1	1900	20.9	1.43	40.94	1.40	40.00	2.14	2.35
2026.6.2	2450	21.0	1.78	40.16	1.80	39.20	-1.11	2.45
2026.6.3	2600	20.9	1.91	39.97	1.96	39.01	-2.55	2.46
2026.6.4	5200	20.7	4.72	35.76	4.66	35.99	1.29	-0.64
2026.6.4	5300	20.7	4.83	35.56	4.76	35.87	1.47	-0.86
2026.6.5	5600	21.1	5.20	34.88	5.07	35.53	2.56	-1.83
2026.6.6	5800	21.3	5.46	34.44	5.27	35.30	3.61	-2.44
Note: The tolerance limit of Conductivity and Permittivity is± 5%.								

ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by Speag, the validation data should be within itsspecification of 10 %(for 1 g).

Head liquid 1g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.5.29	750	100	0.828	8.28	8.46	-2.13
2026.5.30	835	100	0.911	9.11	9.59	-5.01
2026.5.31	1750	100	3.620	36.20	36.50	-0.82
2026.6.1	1900	100	3.890	38.90	39.90	-2.51
2026.6.2	2450	100	4.950	49.50	52.60	-5.89
2026.6.3	2600	100	5.640	56.40	55.30	1.99
2026.6.4	5200	100	8.120	81.20	77.80	4.37
2026.6.4	5300	100	7.940	79.40	79.00	0.51
2026.6.5	5600	100	8.340	83.40	82.80	0.72
2026.6.6	5800	100	8.090	80.90	78.50	3.06
Note: The tolerance limit of System validation ±10%.						

Please refer the document “Ti-CC26050344-ASC.pdf”.

ANNEX C TEST DATA

Please refer the document “Ti-CC26050344-ATD.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26050344-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “Ti-CC26050344-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “Ti-CC26050344-AC.pdf”.

Statement

1. The Testing Center guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.

2. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.

3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.

4. The test data and results are only valid for the tested samples provided by the customer.

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6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--