

TEST REPORT

Applicant: MediaTek Inc.
Address: No. 1, Dusing 1st Rd., Hsinchu Science Park
Hsinchu City 30078 Taiwan
Equipment Type: 2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card
Model Name: MT7922A12L
Brand Name: N/A
FCC ID: RAS-MT7922A12L
Test Standard: FCC 47 CFR Part 2.1093
(refer to section 3.1)
Body 2.4GHz(1 g): 1.14 W/kg
Body 5GHz(1 g): 1.04 W/kg
Maximum SAR: Body 6GHz(1 g): 1.14 W/kg
Limbs 2.4GHz(10 g): 0.47 W/kg
Limbs 5GHz(10 g): 0.32 W/kg
Limbs 6GHz(10 g): 0.31 W/kg
Sample Arrival Date: May 13, 2025
Test Date: Jun. 04, 2025 - Jun. 12, 2025
Date of Issue: Jul. 14, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Guo Guangwei**Checked by:** Xu Rui**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jul. 14, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☒ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

1.3 Test Environment Condition

Ambient Temperature	18°C to 25°C
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	MediaTek Inc.
Address	No. 1, Dusing 1st Rd., Hsinchu Science Park Hsinchu City 30078 Taiwan

2.2 Manufacturer Information

Manufacturer	MediaTek Inc.
Address	No. 1, Dusing 1st Rd., Hsinchu Science Park Hsinchu City 30078 Taiwan

2.3 General Description for Equipment under Test (EUT)

EUT Name	2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card
Model Name Under Test	MT7922A12L
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

2.3.1 Host Information:

Product Name	Handheld Console PC
Model Name	Legion Go 8AHP2, Legion Go 8ASP2
Brand Name	Lenovo

2.3.2 Antenna Information:

Antenna Port	Model Name	Antenna Manufacturer	Antenna Type	Antenna Gain (dBi)								
				2.4 GHz	5.15-5.25 GHz	5.25-5.35 GHz	5.47-5.725 GHz	5.725-5.895 GHz	5.925-6.425 GHz	6.425 - 6.525 GHz	6.525 - 6.875 GHz	6.875 - 7.125 GHz
Main Antenna	3.6.04.0220	Hubble	PIFA	1.92	1.82	1.69	1.39	1.65	1.28	1.65	1.58	1.23
Auxiliary Antenna	3.6.04.0221		PIFA	1.89	1.62	1.58	1.35	1.68	1.25	1.62	1.55	1.13
Main Antenna	F001K6812111000	INNOWAV	PIFA	1.78	1.77	1.56	1.45	1.81	1.43	1.29	1.87	1.41
Auxiliary Antenna	F001K6812512000	E	PIFA	1.79	1.58	1.69	1.44	1.88	1.33	1.74	1.69	1.26

2.4 Ancillary Equipment

Note: Not applicable.

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, VHT, 802.11ac and 802.11ax
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	2.4G WLAN; 5G WLAN; 6G WLAN; Bluetooth	
Frequency Range	802.11b/g	2412 ~ 2472 MHz
	802.11n(HT20/HT40)	2412 ~ 2472 MHz
	VHT20/VHT40	2412 ~ 2472 MHz
	802.11ax(HE20/HE40)	2412 ~ 2472 MHz
	802.11a	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
		5815 ~ 5885 MHz
	802.11n(HT20/HT40)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
		5815 ~ 5885 MHz
	802.11ac(VHT20/VHT40/VHT80)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
		5815 ~ 5885 MHz
	802.11ax(HE20/HE40/HE80)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
		5815 ~ 5885 MHz
	802.11ac(VHT160)/ 802.11ax(HE160)	5150 ~ 5250 MHz
		5470 ~ 5725 MHz
		5815 ~ 5885 MHz
	802.11a/ 802.11ax(HE20/HE40/HE80/ HE160)	5925 ~ 6425 MHz
		6425 ~ 6525 MHz
		6525 ~ 6875 MHz
		6875 ~ 7125 MHz
	Bluetooth	2402 ~ 2480 MHz
Antenna Type	WLAN	PIFA Antenna
	Bluetooth	PIFA Antenna

Hotspot Function	N/A	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

Stand-alone Bluetooth

Network and Wireless connectivity	Bluetooth (BR+EDR)
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	Bluetooth	
Frequency Range	Bluetooth	2402 ~ 2480 MHz
Antenna Type	Bluetooth	PIFA Antenna
Hotspot Function	N/A	
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	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
4	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
5	KDB 865664 D02 v01r02	RF Exposure Reporting
6	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters
7	KDB 616217 D04 v01r02	SAR for laptop and tablets
8	IEC/IEEE 62209-1528:2020	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)

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 (1 g Value)

Equipment Class	Band	Antenna	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)	
			Body (0mm)	Body (0mm)	
DTS	2.4G WIFI	Aux.	0.84	1.14	
	2.4G WIFI	Main	1.14		
U-NII-2A	5.3G WIFI	Aux.	1.01		
	5.3G WIFI	Main	1.04		
U-NII-2C	5.6G WIFI	Aux.	0.62		
	5.6G WIFI	Main	0.89		
U-NII-3	5.8G WIFI	Aux.	0.96		
	5.8G WIFI	Main	0.72		
U-NII-4	5.9G WIFI	Aux.	0.67		
	5.9G WIFI	Main	0.89		
U-NII-5/6/7/8	6G WIFI	Aux.	1.04		
	6G WIFI	Main	1.14		
DSS	Bluetooth	Aux.	0.53		
Limit (W/kg)			1.60		
Verdict			Pass		

3.3.2 Highest Simultaneous Transmission SAR Values (1 g Value)

Equipment Class	Maximum Report SAR (W/kg)	SPLSR
	Body (0mm)	
DTS	1.14	/
NII	1.29	0.03
DSS	1.29	0.03
Limit (W/kg)	1.60	0.04
Verdict	Pass	Pass

Note: The simultaneous transmission SAR detail please refer to section 12.

3.3.3 Highest SAR (10 g Value)

Equipment Class	Band	Antenna	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)	
			Limbs (0mm)	Limbs (0mm)	
DTS	2.4G WIFI	Aux.	0.34	0.47	
	2.4G WIFI	Main	0.47		
U-NII-2A	5.3G WIFI	Aux.	0.32		
	5.3G WIFI	Main	0.28		
U-NII-2C	5.6G WIFI	Aux.	0.14		
	5.6G WIFI	Main	0.25		
U-NII-3	5.8G WIFI	Aux.	0.28		
	5.8G WIFI	Main	0.21		
U-NII-4	5.9G WIFI	Aux.	0.19		
	5.9G WIFI	Main	0.25		
U-NII-5/6/7/8	6G WIFI	Aux.	0.27		
	6G WIFI	Main	0.31		
DSS	Bluetooth	Aux.	0.21		
Limit (W/kg)			4.00		
Verdict			Pass		

3.3.4 Highest Simultaneous Transmission SAR Values (10 g Value)

Equipment Class	Maximum Report SAR (W/kg)
	Limbs (0mm)
DTS	0.47
NII	0.58
DSS	0.58
Limit (W/kg)	4.00
Verdict	Pass

Note: The simultaneous transmission SAR detail please refer to section 12.

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 1.14 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 0.47 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

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:

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

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

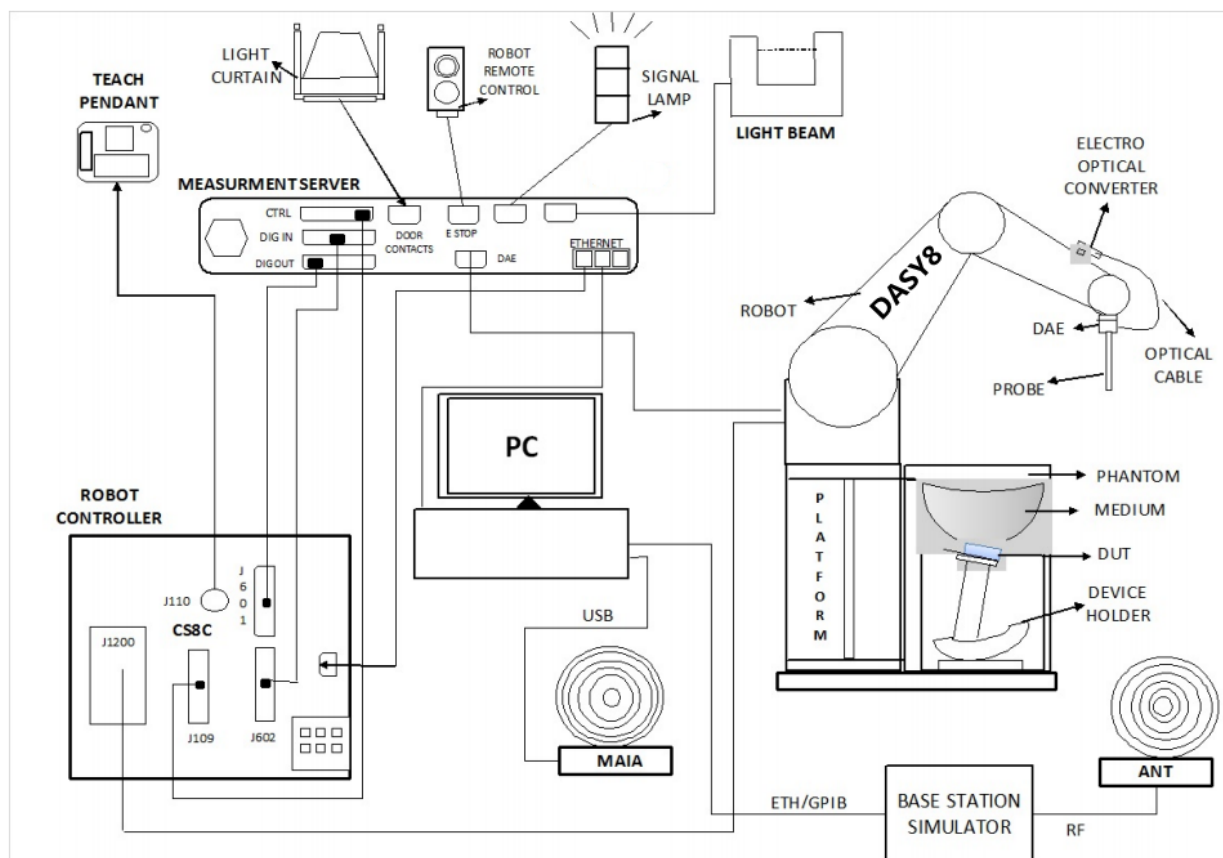
$$SAR = \frac{\sigma E^2}{\rho}$$

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 DASY 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 DASY measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY 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 SN: 7893 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 μ W/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

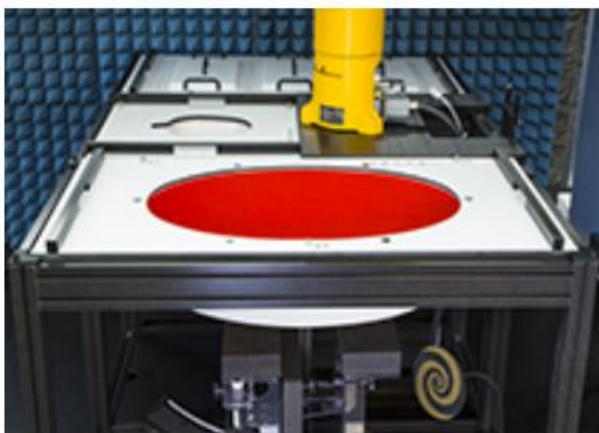
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of below 10 GHz. ELI V8.0 is fully compatible with the latest draft of the standard IEC 62209 Part II and all known tissue simulating liquids. ELI V8.0 has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points.



• Flat phantom

Photo of Phantom SN2159



Serial Number	Shell Thickness (mm)	Major ellipse axis (mm)	Minor axis(mm)
SN 2159 ELI V8.0	2.0 ± 0.2	600	400

4.2.6 Device Holder

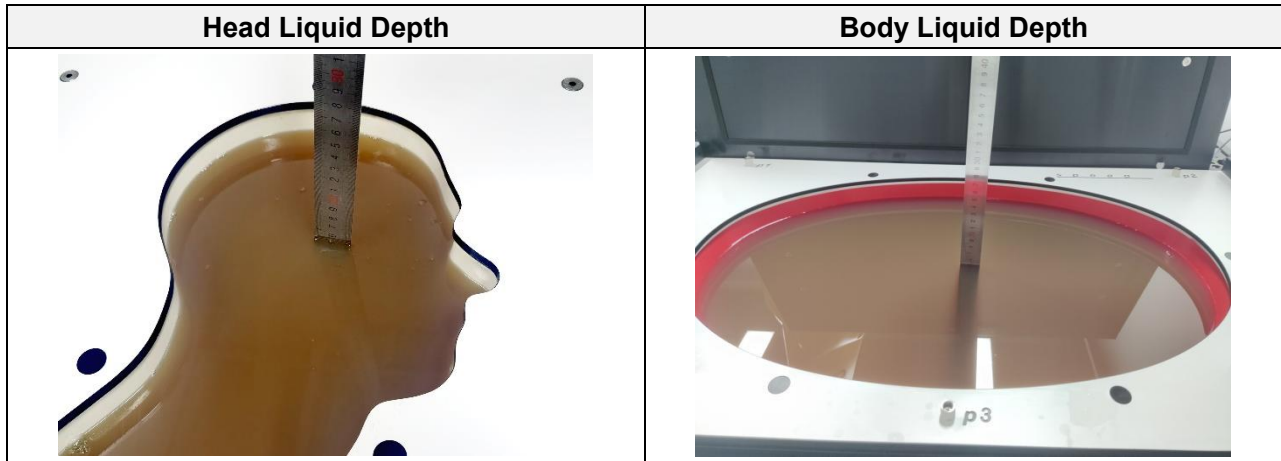
The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for 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%.



The following table gives the recipes for tissue simulating liquid and the theoretical Conductivity/Permittivity.

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

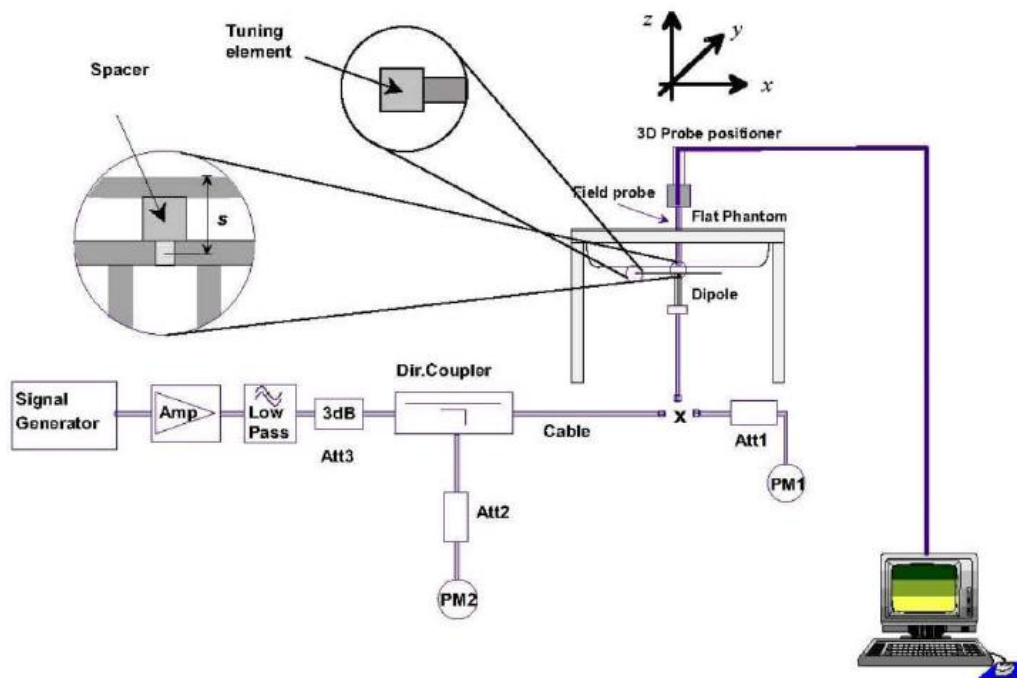
5 SYSTEM VERIFICATION

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

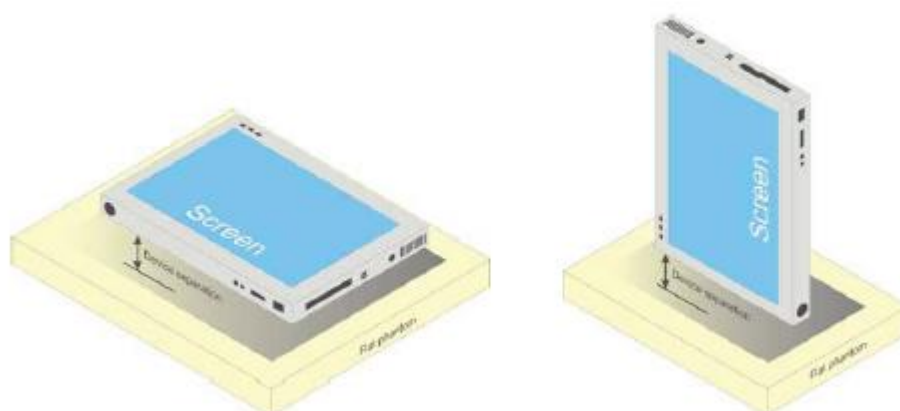
In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. 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

6.1 Body-supported Position Conditions

A typical example of a body supported device is a wireless enabled laptop device that among other orientations may be supported on the thighs of a sitting user. To represent this orientation, the device shall be positioned with its base against the flat phantom. Other orientations may be specified by the manufacturer in the user instructions. If the intended use is not specified, the device shall be tested directly against the flat phantom in all usable orientations.



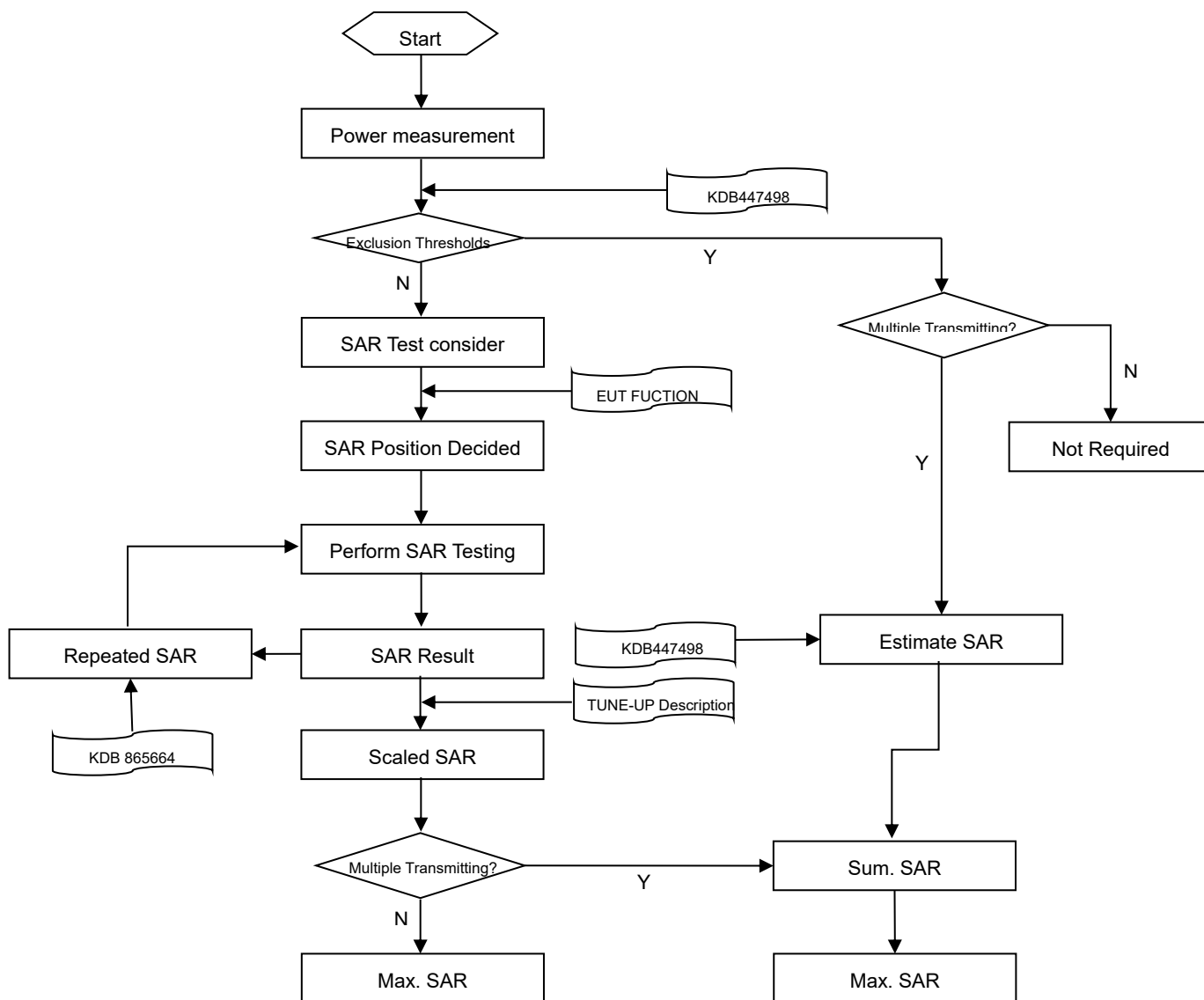
6.2 Product Specific 10g Exposure Consideration

According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance;

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

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. Both the 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.

			≤3GHz	>3GHz
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.	
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: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
		Δz Zoom (n>1): between subsequent points	≤ 1.5·Δz 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

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.

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 to 16 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.

7.5 Interim Procedures for WIFI 6E

Interim procedures for FCC radio frequency (RF) exposure evaluations of U-NII 6-7 GHz band portable devices have been made available during the TCB workshop in April 2021. The procedure is summarized below:

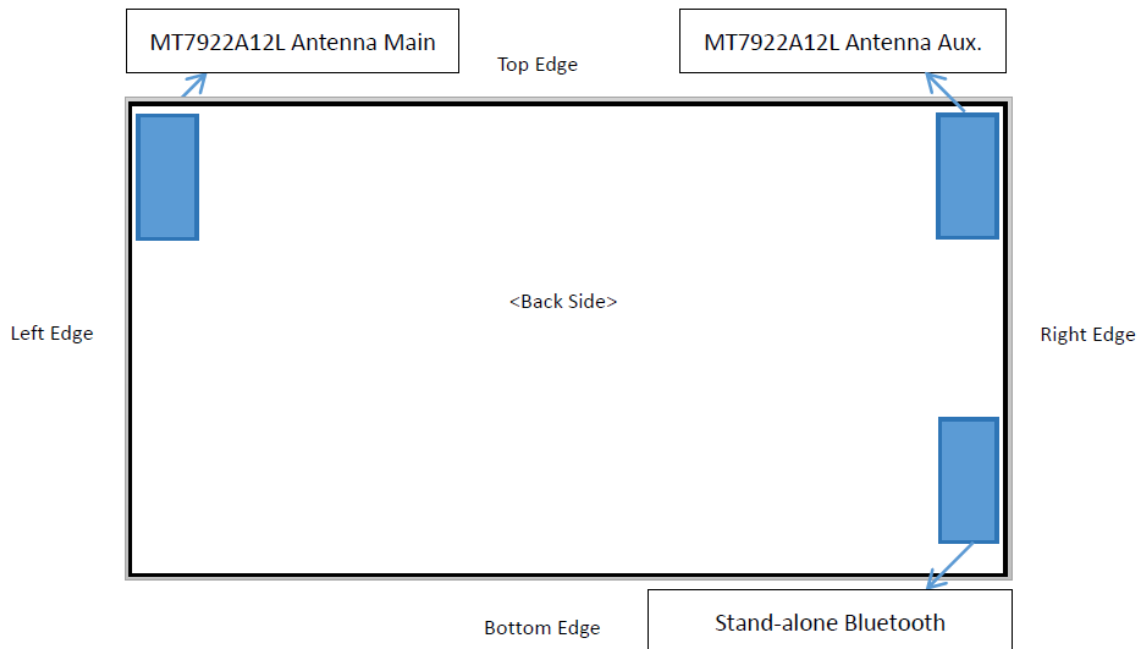
- a. Evaluate SAR / APD with DASY6 Module SAR V16.0 or higher. The configurations to be tested are defined in the relevant Knowledge Database (KDB). The psSAR and absorbed psPD are reported.
- b. For the configuration with the highest SAR, evaluate the incident power density with DASY6 Module mmWave V2.4.2 or higher. The incident psPD must be adjusted per amount that the measurement uncertainty exceeds 30% before it is included in the test report.

8 CONDUCTED RF OUPUT POWER

Please refer the document “BL-SZ2550400-AP-1.pdf”.

9 TEST EXCLUSION CONSIDERATION

9.1 Antenna Location Sketch



Antenna	Support Bands
Aux. Antenna	Bluetooth、WLAN 2.4/5/6G
Main Antenna	WLAN 2.4/5/6G
Stand-alone Bluetooth Antenna	Bluetooth

9.2 SAR Test Consideration Table

According with FCC KDB 447498 D04, Appendix B, The SAR-based exemption formula applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). The following table shows the power threshold from 5mm to 50mm.

Power Thresholds (mW)					
Frequency (MHz)	At separation distance of ≤ 5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm
300	39 mW	65 mW	88 mW	110 mW	129 mW
450	22 mW	44 mW	67 mW	89 mW	112 mW
835	9 mW	25 mW	44 mW	66 mW	90 mW
1900	3 mW	12 mW	26 mW	44 mW	66 mW
2450	3 mW	10 mW	22 mW	38 mW	59 mW
3600	2 mW	8 mW	18 mW	32 mW	49 mW
5800	1 mW	6 mW	14 mW	25 mW	40 mW
Frequency (MHz)	At separation distance of 30 mm	At separation distance of 35 mm	At separation distance of 40 mm	At separation distance of 45 mm	At separation distance of 50 mm
300	148 mW	166 mW	184 mW	201 mW	217 mW
450	135 mW	158 mW	180 mW	203 mW	226 mW
835	116 mW	145 mW	175 mW	207 mW	240 mW
1900	92 mW	122 mW	157 mW	195 mW	236 mW
2450	83 mW	111 mW	143 mW	179 mW	219 mW
3600	71 mW	96 mW	125 mW	158 mW	195 mW
5800	58 mW	80 mW	106 mW	136 mW	169 mW

9.2.1 SAR Test Consideration (Without Handle)

This host is a Handheld Console PC, under normal use the RF exposure scenarios are shown in the table below:

RF Exposure Position	RF Exposure Scenarios
Front Side	Body&Limbs
Back Side	Body&Limbs
Left Edge	Body&Limbs
Left Edge Tilt	Body&Limbs
Right Edge	Body&Limbs
Right Edge Tilt	Body&Limbs
Top Edge	Body&Limbs
Bottom Edge	Body&Limbs

Aux. Antenna Body RF exposure scenarios

Test Position Configurations	Mode	Bluetooth	WLAN 2.4GHz	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
Calculated Frequency (MHz)		2480	2462	5320	5710	5825	5925
Front Side	Distance to User (mm)	5					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.72	2.73	1.47	1.39	1.37	1.35
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Back Side	Distance to User (mm)	5					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.72	2.73	1.47	1.39	1.37	1.35
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Left Edge	Distance to User (mm)	195					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	2915.93	2916.05	2903.72	2902.59	2902.28	2908.00
	SAR Test Required	No	No	No	No	No	No
Left Edge Tilt	Distance to User (mm)	195					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	2915.93	2916.05	2903.72	2902.59	2902.28	2902.00
	SAR Test Required	No	No	No	No	No	No
Right Edge	Distance to User (mm)	4.54					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.26	2.27	1.21	1.14	1.12	1.11
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Right Edge Tilt	Distance to User (mm)	4.54					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.26	2.27	1.21	1.14	1.12	1.11
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Top Edge	Distance to User (mm)	15					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	22.03	22.12	14.34	13.78	13.63	13.50
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Bottom Edge	Distance to User (mm)	100					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	817.19	818.08	728.50	720.79	718.63	716.79

	SAR Test Required	No	No	No	No	No	No
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Main Antenna Body RF exposure scenarios

Test Position Configurations	Mode	WLAN 2.4GHz	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
Calculated Frequency (MHz)		2462	5320	5710	5825	5925
Front Side	Distance to User (mm)	5				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.73	1.47	1.39	1.37	1.35
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Back Side	Distance to User (mm)	5				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.73	1.47	1.39	1.37	1.35
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Left Edge	Distance to User (mm)	4.54				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.27	1.21	1.14	1.12	1.11
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Left Edge Tilt	Distance to User (mm)	4.54				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.27	1.21	1.14	1.12	1.11
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Right Edge	Distance to User (mm)	195				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	2916.05	2903.72	2902.59	2902.28	2902.00
	SAR Test Required	No	No	No	No	No
Right Edge Tilt	Distance to User (mm)	195				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	2916.05	2903.72	2902.59	2902.28	2902.00
	SAR Test Required	No	No	No	No	No
Top Edge	Distance to User (mm)	15				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	22.12	14.34	13.78	13.63	13.50
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Bottom Edge	Distance to User (mm)	100				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00

	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	818.08	728.50	720.79	718.63	716.79
	SAR Test Required	No	No	No	No	No

Aux. Antenna Limbs RF exposure scenarios

Test Position Configurations	Mode	Bluetooth	WLAN 2.4GHz	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
Calculated Frequency (MHz)		2480	2462	5320	5710	5825	5925
Front Side	Distance to User (mm)	5					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.79	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Back Side	Distance to User (mm)	5					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.79	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Left Edge	Distance to User (mm)	195					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	7289.83	7290.12	7259.31	7256.48	7255.69	7255.01
	SAR Test Required	No	No	No	No	No	No
Left Edge Tilt	Distance to User (mm)	195					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	7289.83	7290.12	7259.31	7256.48	7255.69	7255.01
	SAR Test Required	No	No	No	No	No	No
Right Edge	Distance to User (mm)	4.54					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	5.65	5.69	3.02	2.85	2.80	2.76
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Right Edge Tilt	Distance to User (mm)	4.54					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	5.65	5.69	3.02	2.85	2.80	2.76
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Top Edge	Distance to User (mm)	15					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	55.07	55.29	35.85	34.45	34.06	33.74
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes

Bottom Edge	Distance to User (mm)	100					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	2042.96	2045.21	1821.26	1801.97	1796.57	1791.97
	SAR Test Required	No	No	No	No	No	No

Main Antenna Limbs RF exposure scenarios

Test Position Configurations	Mode	WLAN 2.4GHz	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
Calculated Frequency (MHz)		2462	5320	5710	5825	5925
Front Side	Distance to User (mm)	5				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Back Side	Distance to User (mm)	5				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Left Edge	Distance to User (mm)	4.54				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	5.69	3.02	2.85	2.80	2.76
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Left Edge Tilt	Distance to User (mm)	4.54				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	5.69	3.02	2.85	2.80	2.76
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Right Edge	Distance to User (mm)	195				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	7290.12	7259.31	7256.48	7255.69	7255.01
	SAR Test Required	No	No	No	No	No
Right Edge Tilt	Distance to User (mm)	195				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	7290.12	7259.31	7256.48	7255.69	7255.01
	SAR Test Required	No	No	No	No	No
Top Edge	Distance to User (mm)	15				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00

	Exclusion Threshold (mW)	55.29	35.85	34.45	34.06	33.74
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Bottom Edge	Distance to User (mm)	100				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	2045.21	1821.26	1801.97	1796.57	1791.97
	SAR Test Required	No	No	No	No	No

Stand-alone Bluetooth Antenna Body RF exposure scenarios

Test Position Configurations	Mode	Bluetooth
Calculated Frequency (MHz)		2480
Front Side	Distance to User (mm)	5
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2.72
	SAR Test Required	Yes
Back Side	Distance to User (mm)	5
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2.72
	SAR Test Required	Yes
Left Edge	Distance to User (mm)	195
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2915.93
	SAR Test Required	No
Left Edge Tilt	Distance to User (mm)	195
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2915.93
	SAR Test Required	No
Right Edge	Distance to User (mm)	4.54
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2.26
	SAR Test Required	Yes
Right Edge Tilt	Distance to User (mm)	4.54
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2.26
	SAR Test Required	Yes
Top Edge	Distance to User (mm)	100

	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	817.19
	SAR Test Required	No
Bottom Edge	Distance to User (mm)	15
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	22.03
	SAR Test Required	Yes

Stand-alone Bluetooth Antenna Limbs RF exposure scenarios

Test Position Configurations	Mode	Bluetooth
Calculated Frequency (MHz)		2480
Front Side	Distance to User (mm)	5
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	6.79
	SAR Test Required	Yes
Back Side	Distance to User (mm)	5
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	6.79
	SAR Test Required	Yes
Left Edge	Distance to User (mm)	195
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	7289.83
	SAR Test Required	No
Left Edge Tilt	Distance to User (mm)	195
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	7289.83
	SAR Test Required	No
Right Edge	Distance to User (mm)	4.54
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	5.65
	SAR Test Required	Yes
Right Edge Tilt	Distance to User (mm)	4.54
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	5.65

	SAR Test Required	Yes
Top Edge	Distance to User (mm)	100
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2042.96
	SAR Test Required	No
Bottom Edge	Distance to User (mm)	15
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	55.07
	SAR Test Required	Yes

9.2.2 SAR Test Consideration (Strap Handle)

This host is a Handheld Console PC, under normal use the RF exposure scenarios are shown in the table below:

RF Exposure Position	RF Exposure Scenarios
Front Side	Body&Limbs
Back Side	Body&Limbs
Left Edge	Body&Limbs
Right Edge	Body&Limbs
Top Edge	Body&Limbs
Bottom Edge	Body&Limbs

Aux. Antenna Body RF exposure scenarios

Test Position Configurations	Mode	Bluetooth	WLAN 2.4GHz	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
Calculated Frequency (MHz)		2480	2462	5320	5710	5825	5925
Front Side	Distance to User (mm)	5					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.72	2.73	1.47	1.39	1.37	1.35
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Back Side	Distance to User (mm)	5					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.72	2.73	1.47	1.39	1.37	1.35
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Left Edge	Distance to User (mm)	240					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	4330.57	4329.33	4463.43	4475.94	4479.48	4482.50
	SAR Test Required	No	No	No	No	No	No
Right Edge	Distance to User (mm)	49.54					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	214.42	214.90	170.15	166.54	165.54	164.69
	SAR Test Required	No	No	No	No	No	No
Top Edge	Distance to User (mm)	15					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	22.03	22.12	14.34	13.78	13.63	13.50
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Bottom Edge	Distance to User (mm)	100					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	817.19	818.08	728.50	720.79	718.63	716.79
	SAR Test Required	No	No	No	No	No	No

Main Antenna Body RF exposure scenarios

Test Position Configurations	Mode	WLAN 2.4GHz	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
Calculated Frequency (MHz)		2462	5320	5710	5825	5925
Front Side	Distance to User (mm)	5				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.73	1.47	1.39	1.37	1.35
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Back Side	Distance to User (mm)	5				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	2.73	1.47	1.39	1.37	1.35
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Left Edge	Distance to User (mm)	49.54				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	214.90	170.15	166.54	165.54	164.69
	SAR Test Required	No	No	No	No	No
Right Edge	Distance to User (mm)	240				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	4329.33	4463.43	4475.94	4479.48	4482.50
	SAR Test Required	No	No	No	No	No
Top Edge	Distance to User (mm)	15				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	22.12	14.34	13.78	13.63	13.50
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Bottom Edge	Distance to User (mm)	100				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	818.08	728.50	720.79	718.63	716.79
	SAR Test Required	No	No	No	No	No

Aux. Antenna Limbs RF exposure scenarios

Test Position Configurations	Mode	Bluetooth	WLAN 2.4GHz	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
Calculated Frequency (MHz)		2480	2462	5320	5710	5825	5925
Front Side	Distance to User (mm)	5					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.79	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Back Side	Distance to User (mm)	5					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.79	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Left Edge	Distance to User (mm)	45					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	446.38	447.43	348.61	340.71	338.52	336.66
	SAR Test Required	No	No	No	No	No	No
Right Edge	Distance to User (mm)	254					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	12061.08	12056.52	12548.44	12594.60	12607.64	12618.78
	SAR Test Required	No	No	No	No	No	No
Top Edge	Distance to User (mm)	5					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.79	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes	Yes
Bottom Edge	Distance to User (mm)	145					
	Max. Peak Power (dBm)	13.00	16.50	11.50	9.50	10.00	10.00
	Max. Peak Power (mW)	19.95	44.67	14.13	8.91	10.00	10.00
	Exclusion Threshold (mW)	4146.04	4148.15	3930.86	3911.49	3906.05	3901.41
	SAR Test Required	No	No	No	No	No	No

Main Antenna Limbs RF exposure scenarios

Test Position Configurations	Mode	WLAN 2.4GHz	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
Calculated Frequency (MHz)		2462	5320	5710	5825	5925
Front Side	Distance to User (mm)	5				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Back Side	Distance to User (mm)	5				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Left Edge	Distance to User (mm)	254				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	12056.52	12548.44	12594.60	12607.64	12618.78
	SAR Test Required	No	No	No	No	No
Right Edge	Distance to User (mm)	45				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	447.43	348.61	340.71	338.52	336.66
	SAR Test Required	No	No	No	No	No
Top Edge	Distance to User (mm)	5				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	6.83	3.69	3.48	3.43	3.38
	SAR Test Required	Yes	Yes	Yes	Yes	Yes
Bottom Edge	Distance to User (mm)	145				
	Max. Peak Power (dBm)	15.00	10.00	9.50	10.00	10.00
	Max. Peak Power (mW)	31.62	10.00	8.91	10.00	10.00
	Exclusion Threshold (mW)	4148.15	3930.86	3911.49	3906.05	3901.41
	SAR Test Required	No	No	No	No	No

Stand-alone Bluetooth Antenna Body RF exposure scenarios

Test Position Configurations	Mode	Bluetooth
Calculated Frequency (MHz)		2480
Front Side	Distance to User (mm)	5
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2.72
	SAR Test Required	Yes
Back Side	Distance to User (mm)	5
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2.72
	SAR Test Required	Yes
Left Edge	Distance to User (mm)	240
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	4330.57
	SAR Test Required	No
Right Edge	Distance to User (mm)	49.54
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	214.42
	SAR Test Required	No
Top Edge	Distance to User (mm)	100
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	817.19
	SAR Test Required	No
Bottom Edge	Distance to User (mm)	15
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	22.03
	SAR Test Required	Yes

Stand-alone Bluetooth Antenna Limbs RF exposure scenarios

Test Position Configurations	Mode	Bluetooth
Calculated Frequency (MHz)		2480
Front Side	Distance to User (mm)	5
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	6.79
	SAR Test Required	Yes
Back Side	Distance to User (mm)	5
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	6.79
	SAR Test Required	Yes
Left Edge	Distance to User (mm)	240
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	10826.44
	SAR Test Required	No
Right Edge	Distance to User (mm)	49.54
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	536.06
	SAR Test Required	No
Top Edge	Distance to User (mm)	100
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	2042.96
	SAR Test Required	No
Bottom Edge	Distance to User (mm)	15
	Max. Peak Power (dBm)	3.00
	Max. Peak Power (mW)	2.00
	Exclusion Threshold (mW)	55.07
	SAR Test Required	Yes

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D04, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D04, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
4. Per KDB 447498 D04, for separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive), the threshold P_{th} (mW) is given by Following:

$$P_{th}(mW) = \begin{cases} ERP_{20cm}(d/20cm)^x & d \leq 20cm \\ ERP_{20cm} & 20cm < d \leq 40cm \end{cases}$$

where

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

- a. f(GHz) is the RF channel transmit frequency in GHz
- b. d is the separation distance (cm), The result is rounded to one decimal place for comparison
- c. ERP_{20cm} are determined by:

$$ERP_{20cm}(mW) = f(x) = \begin{cases} 2040f & 0.3GHz \leq f < 1.5GHz \\ 3060 & 1.5GHz \leq f \leq 6GHz \end{cases}$$

5. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate
6. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
 - a. When KDB Publication 447498 D04 SAR test exclusion applies to the OFDM configuration.
 - b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
7. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
 - a. 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.
 - b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

10 TEST RESULT

1. The reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WIFI signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)".
 - c. For WIFI/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
2. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements.
3. Per KDB 447498 D04, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
4. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg

10.1Bluetooth (Without Handle)

Mode	Antenna Manufact urer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
DH5	HUBBLE	Aux.	Front Side	0	39	2441	0.02	0.044	12.93	13.00	1.016	76.88	1.301	0.058	/
			Back Side	0	39	2441	-0.01	0.066	12.93	13.00	1.016	76.88	1.301	0.087	/
			Right Edge	0	39	2441	-0.15	0.231	12.93	13.00	1.016	76.88	1.301	0.305	/
			Right Edge Tilt	0	39	2441	-0.07	0.056	12.93	13.00	1.016	76.88	1.301	0.074	/
			Top Edge	0	39	2441	0.08	0.006	12.93	13.00	1.016	76.88	1.301	0.008	/
			Right Edge	0	0	2402	-0.18	0.212	12.78	13.00	1.052	76.88	1.301	0.290	/
			Right Edge	0	78	2480	-0.04	0.179	12.92	13.00	1.019	76.88	1.301	0.237	/
	INNOWA VE	Aux.	Front Side	0	39	2441	-0.10	0.053	12.93	13.00	1.016	76.88	1.301	0.070	/
			Back Side	0	39	2441	0.00	0.121	12.93	13.00	1.016	76.88	1.301	0.160	/
			Right Edge	0	39	2441	0.08	0.363	12.93	13.00	1.016	76.88	1.301	0.480	/
			Right Edge Tilt	0	39	2441	-0.01	0.137	12.93	13.00	1.016	76.88	1.301	0.181	/
			Top Edge	0	39	2441	0.03	0.011	12.93	13.00	1.016	76.88	1.301	0.015	/
			Right Edge	0	0	2402	0.06	0.374	12.78	13.00	1.052	76.88	1.301	0.512	/
			Right Edge	0	78	2480	0.02	0.402	12.92	13.00	1.019	76.88	1.301	0.533	1#
	HUBBLE	Stand- alone Bluetooth	Front Side	0	78	2480	0.07	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Back Side	0	78	2480	-0.02	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Right Edge	0	78	2480	0.17	0.041	2.86	3.00	1.033	76.68	1.304	0.055	/
			Right Edge Tilt	0	78	2480	0.08	0.013	2.86	3.00	1.033	76.68	1.304	0.018	/
			Bottom Edge	0	78	2480	0.06	0.005	2.86	3.00	1.033	76.68	1.304	0.007	/
			Right Edge	0	0	2402	0.16	0.032	1.47	3.00	1.422	76.68	1.304	0.059	/
			Right Edge	0	39	2441	0.02	0.041	2.28	3.00	1.180	76.68	1.304	0.063	/
	INNOWA VE	Stand- alone Bluetooth	Front Side	0	78	2480	-0.07	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Back Side	0	78	2480	-0.10	0.004	2.86	3.00	1.033	76.68	1.304	0.005	/
			Right Edge	0	78	2480	-0.09	0.062	2.86	3.00	1.033	76.68	1.304	0.084	/
			Right Edge Tilt	0	78	2480	-0.11	0.021	2.86	3.00	1.033	76.68	1.304	0.028	/
			Bottom Edge	0	78	2480	-0.13	0.004	2.86	3.00	1.033	76.68	1.304	0.005	/
			Right Edge	0	0	2402	-0.01	0.041	1.47	3.00	1.422	76.68	1.304	0.076	/
			Right Edge	0	39	2441	-0.12	0.056	2.28	3.00	1.180	76.68	1.304	0.086	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Mode	Antenna Manufact urer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs															
DH5	HUBBLE	Aux.	Front Side	0	39	2441	0.02	0.021	12.93	13.00	1.016	76.88	1.301	0.028	/
			Back Side	0	39	2441	-0.01	0.033	12.93	13.00	1.016	76.88	1.301	0.044	/
			Right Edge	0	39	2441	-0.15	0.087	12.93	13.00	1.016	76.88	1.301	0.115	/
			Right Edge Tilt	0	39	2441	-0.07	0.025	12.93	13.00	1.016	76.88	1.301	0.033	/
			Top Edge	0	39	2441	0.08	0.002	12.93	13.00	1.016	76.88	1.301	0.003	/
			Right Edge	0	0	2402	-0.18	0.071	12.78	13.00	1.052	76.88	1.301	0.097	/
			Right Edge	0	78	2480	-0.04	0.078	12.92	13.00	1.019	76.88	1.301	0.103	/
	INNOWA VE	Aux.	Front Side	0	39	2441	-0.10	0.024	12.93	13.00	1.016	76.88	1.301	0.032	/
			Back Side	0	39	2441	0.00	0.052	12.93	13.00	1.016	76.88	1.301	0.069	/
			Right Edge	0	39	2441	0.08	0.131	12.93	13.00	1.016	76.88	1.301	0.173	/
			Right Edge Tilt	0	39	2441	-0.01	0.062	12.93	13.00	1.016	76.88	1.301	0.082	/
			Top Edge	0	39	2441	0.03	0.005	12.93	13.00	1.016	76.88	1.301	0.007	/
			Right Edge	0	0	2402	0.06	0.145	12.78	13.00	1.052	76.88	1.301	0.198	/
			Right Edge	0	78	2480	0.02	0.161	12.92	13.00	1.019	76.88	1.301	0.213	1#
	HUBBLE	Stand- alone Bluetooth	Front Side	0	78	2480	0.07	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Back Side	0	78	2480	-0.02	0.003	2.86	3.00	1.033	76.68	1.304	0.004	/
			Right Edge	0	78	2480	0.17	0.018	2.86	3.00	1.033	76.68	1.304	0.024	/
			Right Edge Tilt	0	78	2480	0.08	0.006	2.86	3.00	1.033	76.68	1.304	0.008	/
			Bottom Edge	0	78	2480	0.06	0.003	2.86	3.00	1.033	76.68	1.304	0.004	/
			Right Edge	0	0	2402	0.16	0.016	1.47	3.00	1.422	76.68	1.304	0.030	/
			Right Edge	0	39	2441	0.02	0.018	2.28	3.00	1.180	76.68	1.304	0.028	/
	INNOWA VE	Stand- alone Bluetooth	Front Side	0	39	2441	-0.07	0.001	2.86	3.00	1.033	76.68	1.304	0.001	/
			Back Side	0	39	2441	-0.10	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Right Edge	0	39	2441	-0.09	0.023	2.86	3.00	1.033	76.68	1.304	0.031	/
			Right Edge Tilt	0	39	2441	-0.11	0.011	2.86	3.00	1.033	76.68	1.304	0.015	/
			Bottom Edge	0	39	2441	-0.13	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Right Edge	0	0	2402	-0.01	0.023	1.47	3.00	1.422	76.68	1.304	0.043	/
			Right Edge	0	78	2480	-0.12	0.021	2.28	3.00	1.180	76.68	1.304	0.032	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.2WIFI 2.4GHz (Without Handle)

Mode	Antenna Manufact urer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
802.11b	HUBBLE	Aux.	Front Side	0	11	2462	0.04	0.154	16.42	16.50	1.019	99.16	1.008	0.158	/
			Back Side	0	11	2462	-0.03	0.182	16.42	16.50	1.019	99.16	1.008	0.187	/
			Right Edge	0	11	2462	0.16	0.487	16.42	16.50	1.019	99.16	1.008	0.500	/
			Right Edge Tilt	0	11	2462	0.13	0.136	16.42	16.50	1.019	99.16	1.008	0.140	/
			Top Edge	0	11	2462	0.19	0.043	16.42	16.50	1.019	99.16	1.008	0.044	/
			Right Edge	0	1	2412	-0.08	0.605	16.21	16.50	1.069	99.16	1.008	0.652	/
			Right Edge	0	6	2437	-0.01	0.424	16.01	16.50	1.119	99.16	1.008	0.478	/
	INNOWA VE	Aux.	Front Side	0	11	2462	-0.04	0.111	16.42	16.50	1.019	99.16	1.008	0.114	/
			Back Side	0	11	2462	-0.12	0.313	16.42	16.50	1.019	99.16	1.008	0.321	/
			Right Edge	0	11	2462	-0.12	0.604	16.42	16.50	1.019	99.16	1.008	0.620	/
			Right Edge Tilt	0	11	2462	0.01	0.218	16.42	16.50	1.019	99.16	1.008	0.224	/
			Top Edge	0	11	2462	0.05	0.057	16.42	16.50	1.019	99.16	1.008	0.059	/
			Right Edge	0	1	2412	-0.14	0.775	16.21	16.50	1.069	99.16	1.008	0.835	2#
			Right Edge	0	6	2437	0.06	0.694	16.01	16.50	1.119	99.16	1.008	0.783	/
	HUBBLE	Main	Front Side	0	11	2462	-0.11	0.206	14.73	15.00	1.064	99.16	1.008	0.221	/
			Back Side	0	11	2462	-0.04	0.224	14.73	15.00	1.064	99.16	1.008	0.240	/
			Left Edge	0	11	2462	-0.01	1.060	14.73	15.00	1.064	99.16	1.008	1.137	3#
			Left Edge Tilt	0	11	2462	-0.15	0.259	14.73	15.00	1.064	99.16	1.008	0.278	/
			Top Edge	0	11	2462	-0.09	0.323	14.73	15.00	1.064	99.16	1.008	0.346	/
			Left Edge	0	1	2412	0.17	0.598	14.62	15.00	1.091	99.16	1.008	0.658	/
			Left Edge	0	6	2437	0.11	0.905	14.68	15.00	1.076	99.16	1.008	0.982	/
	INNOWA VE	Main	Front Side	0	11	2462	-0.14	0.208	14.73	15.00	1.064	99.16	1.008	0.223	/
			Back Side	0	11	2462	-0.17	0.132	14.73	15.00	1.064	99.16	1.008	0.142	/
			Left Edge	0	11	2462	0.01	0.721	14.73	15.00	1.064	99.16	1.008	0.773	/
			Left Edge Tilt	0	11	2462	-0.07	0.102	14.73	15.00	1.064	99.16	1.008	0.109	/
			Top Edge	0	11	2462	-0.09	0.259	14.73	15.00	1.064	99.16	1.008	0.278	/
			Left Edge	0	1	2412	0.19	0.645	14.62	15.00	1.091	99.16	1.008	0.709	/
			Left Edge	0	6	2437	-0.11	0.595	14.68	15.00	1.076	99.16	1.008	0.645	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Mode	Antenna Manufact urer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs															
802.11b	HUBBLE	Aux.	Front Side	0	11	2462	0.04	0.052	16.42	16.50	1.019	99.16	1.008	0.053	/
			Back Side	0	11	2462	-0.03	0.083	16.42	16.50	1.019	99.16	1.008	0.085	/
			Right Edge	0	11	2462	0.16	0.221	16.42	16.50	1.019	99.16	1.008	0.227	/
			Right Edge Tilt	0	11	2462	0.13	0.082	16.42	16.50	1.019	99.16	1.008	0.084	/
			Top Edge	0	11	2462	0.19	0.032	16.42	16.50	1.019	99.16	1.008	0.033	/
			Right Edge	0	1	2412	-0.08	0.265	16.21	16.50	1.069	99.16	1.008	0.286	/
			Right Edge	0	6	2437	-0.01	0.233	16.01	16.50	1.119	99.16	1.008	0.263	/
	INNOWA VE	Aux.	Front Side	0	11	2462	-0.04	0.052	16.42	16.50	1.019	99.16	1.008	0.053	/
			Back Side	0	11	2462	-0.12	0.106	16.42	16.50	1.019	99.16	1.008	0.109	/
			Right Edge	0	11	2462	-0.12	0.302	16.42	16.50	1.019	99.16	1.008	0.310	/
			Right Edge Tilt	0	11	2462	0.01	0.141	16.42	16.50	1.019	99.16	1.008	0.145	/
			Top Edge	0	11	2462	0.05	0.035	16.42	16.50	1.019	99.16	1.008	0.036	/
			Right Edge	0	1	2412	-0.14	0.314	16.21	16.50	1.069	99.16	1.008	0.338	2#
			Right Edge	0	6	2437	0.06	0.295	16.01	16.50	1.119	99.16	1.008	0.333	/
	HUBBLE	Main	Front Side	0	11	2462	-0.11	0.085	14.73	15.00	1.064	99.16	1.008	0.091	/
			Back Side	0	11	2462	-0.04	0.103	14.73	15.00	1.064	99.16	1.008	0.110	/
			Left Edge	0	11	2462	-0.01	0.440	14.73	15.00	1.064	99.16	1.008	0.472	3#
			Left Edge Tilt	0	11	2462	-0.15	0.112	14.73	15.00	1.064	99.16	1.008	0.120	/
			Top Edge	0	11	2462	-0.09	0.141	14.73	15.00	1.064	99.16	1.008	0.151	/
			Left Edge	0	1	2412	0.17	0.331	14.62	15.00	1.091	99.16	1.008	0.364	/
			Left Edge	0	6	2437	0.11	0.316	14.68	15.00	1.076	99.16	1.008	0.343	/
	INNOWA VE	Main	Front Side	0	11	2462	-0.14	0.086	14.73	15.00	1.064	99.16	1.008	0.092	/
			Back Side	0	11	2462	-0.17	0.055	14.73	15.00	1.064	99.16	1.008	0.059	/
			Left Edge	0	11	2462	0.01	0.202	14.73	15.00	1.064	99.16	1.008	0.217	/
			Left Edge Tilt	0	11	2462	-0.07	0.054	14.73	15.00	1.064	99.16	1.008	0.058	/
			Top Edge	0	11	2462	-0.09	0.093	14.73	15.00	1.064	99.16	1.008	0.100	/
			Left Edge	0	1	2412	0.19	0.199	14.62	15.00	1.091	99.16	1.008	0.219	/
			Left Edge	0	6	2437	-0.11	0.183	14.68	15.00	1.076	99.16	1.008	0.198	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.3WIFI 5GHz (Without Handle)

Fre. Band	Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
5.3G	802.11 ac80	HUBBLE	Aux.	Front Side	0	58	5290	0.02	0.102	11.32	11.50	1.042	83.78	1.194	0.127	/
				Back Side	0	58	5290	-0.18	0.379	11.32	11.50	1.042	83.78	1.194	0.472	/
				Right Edge	0	58	5290	0.00	0.658	11.32	11.50	1.042	83.78	1.194	0.819	/
				Right Edge Tilt	0	58	5290	-0.09	0.326	11.32	11.50	1.042	83.78	1.194	0.406	/
				Top Edge	0	58	5290	-0.04	0.044	11.32	11.50	1.042	83.78	1.194	0.055	/
		INNOW AVE	Aux.	Front Side	0	58	5290	-0.05	0.207	11.32	11.50	1.042	83.78	1.194	0.258	/
				Back Side	0	58	5290	-0.09	0.348	11.32	11.50	1.042	83.78	1.194	0.433	/
				Right Edge	0	58	5290	0.12	0.815	11.32	11.50	1.042	83.78	1.194	1.014	4#
				Right Edge Tilt	0	58	5290	-0.16	0.294	11.32	11.50	1.042	83.78	1.194	0.366	/
				Top Edge	0	58	5290	0.05	0.091	11.32	11.50	1.042	83.78	1.194	0.113	/
		HUBBLE	Main	Front Side	0	58	5290	0.09	0.065	9.61	10.00	1.094	83.78	1.194	0.085	/
				Back Side	0	58	5290	-0.02	0.419	9.61	10.00	1.094	83.78	1.194	0.547	/
				Left Edge	0	58	5290	0.16	0.795	9.61	10.00	1.094	83.78	1.194	1.038	5#
				Left Edge Tilt	0	58	5290	-0.19	0.418	9.61	10.00	1.094	83.78	1.194	0.546	/
				Top Edge	0	58	5290	0.14	0.058	9.61	10.00	1.094	83.78	1.194	0.076	/
		INNOW AVE	Main	Front Side	0	58	5290	0.14	0.118	9.61	10.00	1.094	83.78	1.194	0.154	/
				Back Side	0	58	5290	-0.03	0.052	9.61	10.00	1.094	83.78	1.194	0.068	/
				Left Edge	0	58	5290	0.15	0.493	9.61	10.00	1.094	83.78	1.194	0.644	/
				Left Edge Tilt	0	58	5290	0.13	0.181	9.61	10.00	1.094	83.78	1.194	0.236	/
				Top Edge	0	58	5290	0.17	0.122	9.61	10.00	1.094	83.78	1.194	0.159	/
5.6G	802.11 ac160	HUBBLE	Aux.	Front Side	0	114	5570	-0.12	0.051	9.11	9.50	1.094	81.15	1.232	0.069	/
				Back Side	0	114	5570	-0.08	0.294	9.11	9.50	1.094	81.15	1.232	0.396	/
				Right Edge	0	114	5570	-0.02	0.458	9.11	9.50	1.094	81.15	1.232	0.617	6#
				Right Edge Tilt	0	114	5570	0.01	0.307	9.11	9.50	1.094	81.15	1.232	0.414	/
				Top Edge	0	114	5570	0.01	0.011	9.11	9.50	1.094	81.15	1.232	0.015	/
		INNOW AVE	Aux.	Front Side	0	114	5570	0.16	0.115	9.11	9.50	1.094	81.15	1.232	0.155	/
				Back Side	0	114	5570	-0.17	0.134	9.11	9.50	1.094	81.15	1.232	0.181	/
				Right Edge	0	114	5570	0.01	0.351	9.11	9.50	1.094	81.15	1.232	0.473	/
				Right Edge Tilt	0	114	5570	-0.19	0.152	9.11	9.50	1.094	81.15	1.232	0.205	/
				Top Edge	0	114	5570	-0.14	0.038	9.11	9.50	1.094	81.15	1.232	0.051	/
		HUBBLE	Main	Front Side	0	114	5570	0.08	0.088	9.23	9.50	1.064	81.15	1.232	0.115	/
				Back Side	0	114	5570	-0.02	0.449	9.23	9.50	1.064	81.15	1.232	0.589	/
				Left Edge	0	114	5570	-0.01	0.680	9.23	9.50	1.064	81.15	1.232	0.891	7#

				Left Edge Tilt	0	114	5570	0.01	0.445	9.23	9.50	1.064	81.15	1.232	0.583	/
				Top Edge	0	114	5570	0.00	0.074	9.23	9.50	1.064	81.15	1.232	0.097	/
		INNOW AVE	Main	Front Side	0	114	5570	-0.01	0.105	9.23	9.50	1.064	81.15	1.232	0.138	/
				Back Side	0	114	5570	-0.04	0.090	9.23	9.50	1.064	81.15	1.232	0.118	/
				Left Edge	0	114	5570	-0.02	0.233	9.23	9.50	1.064	81.15	1.232	0.305	/
				Left Edge Tilt	0	114	5570	-0.09	0.086	9.23	9.50	1.064	81.15	1.232	0.113	/
				Top Edge	0	114	5570	0.03	0.070	9.23	9.50	1.064	81.15	1.232	0.092	/
5.8G	802.11 ac80	HUBBLE	Aux.	Front Side	0	155	5775	-0.06	0.049	9.68	10.00	1.076	83.78	1.194	0.063	/
				Back Side	0	155	5775	-0.17	0.408	9.68	10.00	1.076	83.78	1.194	0.524	/
				Right Edge	0	155	5775	0.07	0.605	9.68	10.00	1.076	83.78	1.194	0.777	/
				Right Edge Tilt	0	155	5775	0.08	0.412	9.68	10.00	1.076	83.78	1.194	0.529	/
				Top Edge	0	155	5775	-0.06	0.076	9.68	10.00	1.076	83.78	1.194	0.098	/
		INNOW AVE	Aux.	Front Side	0	155	5775	0.08	0.106	9.68	10.00	1.076	83.78	1.194	0.136	/
				Back Side	0	155	5775	-0.07	0.145	9.68	10.00	1.076	83.78	1.194	0.186	/
				Right Edge	0	155	5775	0.02	0.743	9.68	10.00	1.076	83.78	1.194	0.955	8#
				Right Edge Tilt	0	155	5775	0.08	0.234	9.68	10.00	1.076	83.78	1.194	0.301	/
				Top Edge	0	155	5775	0.05	0.063	9.68	10.00	1.076	83.78	1.194	0.081	/
		HUBBLE	Main	Front Side	0	155	5775	-0.15	0.065	9.72	10.00	1.067	83.78	1.194	0.083	/
				Back Side	0	155	5775	-0.09	0.384	9.72	10.00	1.067	83.78	1.194	0.489	/
				Left Edge	0	155	5775	-0.11	0.567	9.72	10.00	1.067	83.78	1.194	0.722	9#
				Left Edge Tilt	0	155	5775	-0.14	0.360	9.72	10.00	1.067	83.78	1.194	0.459	/
				Top Edge	0	155	5775	-0.04	0.092	9.72	10.00	1.067	83.78	1.194	0.117	/
		INNOW AVE	Main	Front Side	0	155	5775	0.09	0.166	9.72	10.00	1.067	83.78	1.194	0.211	/
				Back Side	0	155	5775	-0.09	0.127	9.72	10.00	1.067	83.78	1.194	0.162	/
				Left Edge	0	155	5775	-0.06	0.459	9.72	10.00	1.067	83.78	1.194	0.585	/
				Left Edge Tilt	0	155	5775	-0.19	0.139	9.72	10.00	1.067	83.78	1.194	0.177	/
				Top Edge	0	155	5775	0.00	0.156	9.72	10.00	1.067	83.78	1.194	0.199	/
5.9G	802.11 ac160	HUBBLE	Aux.	Front Side	0	163	5815	-0.16	0.110	9.47	10.00	1.130	81.15	1.232	0.153	/
				Back Side	0	163	5815	0.08	0.343	9.47	10.00	1.130	81.15	1.232	0.478	/
				Right Edge	0	163	5815	0.19	0.310	9.47	10.00	1.130	81.15	1.232	0.432	/
				Right Edge Tilt	0	163	5815	0.01	0.100	9.47	10.00	1.130	81.15	1.232	0.139	/
				Top Edge	0	163	5815	0.02	0.046	9.47	10.00	1.130	81.15	1.232	0.064	/
		INNOW AVE	Aux.	Front Side	0	163	5815	-0.07	0.073	9.47	10.00	1.130	81.15	1.232	0.102	/
				Back Side	0	163	5815	-0.17	0.252	9.47	10.00	1.130	81.15	1.232	0.351	/
				Right Edge	0	163	5815	-0.13	0.483	9.47	10.00	1.130	81.15	1.232	0.672	10#
				Right Edge Tilt	0	163	5815	0.10	0.364	9.47	10.00	1.130	81.15	1.232	0.507	/
				Top Edge	0	163	5815	-0.06	0.039	9.47	10.00	1.130	81.15	1.232	0.054	/
		HUBBLE	Main	Front Side	0	163	5815	-0.10	0.258	9.82	10.00	1.042	81.15	1.232	0.331	/
				Back Side	0	163	5815	0.00	0.234	9.82	10.00	1.042	81.15	1.232	0.300	/

				Left Edge	0	163	5815	-0.16	0.583	9.82	10.00	1.042	81.15	1.232	0.748	/
				Left Edge Tilt	0	163	5815	0.10	0.135	9.82	10.00	1.042	81.15	1.232	0.173	/
				Top Edge	0	163	5815	0.10	0.147	9.82	10.00	1.042	81.15	1.232	0.189	/
		INNOW AVE	Main	Front Side	0	163	5815	0.02	0.101	9.82	10.00	1.042	81.15	1.232	0.130	/
				Back Side	0	163	5815	-0.05	0.394	9.82	10.00	1.042	81.15	1.232	0.506	/
				Left Edge	0	163	5815	-0.11	0.692	9.82	10.00	1.042	81.15	1.232	0.888	11#
				Left Edge Tilt	0	163	5815	0.02	0.397	9.82	10.00	1.042	81.15	1.232	0.510	/
				Top Edge	0	163	5815	0.02	0.084	9.82	10.00	1.042	81.15	1.232	0.108	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Fre. Band	Mode	Antenna Manufac turer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs																
5.3G	802.11 ac80	HUBBLE	Aux.	Front Side	0	58	5290	0.02	0.031	11.32	11.50	1.042	83.78	1.194	0.039	/
				Back Side	0	58	5290	-0.18	0.114	11.32	11.50	1.042	83.78	1.194	0.142	/
				Right Edge	0	58	5290	0.00	0.212	11.32	11.50	1.042	83.78	1.194	0.264	/
				Right Edge Tilt	0	58	5290	-0.09	0.112	11.32	11.50	1.042	83.78	1.194	0.139	/
				Top Edge	0	58	5290	-0.04	0.011	11.32	11.50	1.042	83.78	1.194	0.014	/
		INNOW AVE	Aux.	Front Side	0	58	5290	-0.05	0.062	11.32	11.50	1.042	83.78	1.194	0.077	/
				Back Side	0	58	5290	-0.09	0.085	11.32	11.50	1.042	83.78	1.194	0.106	/
				Right Edge	0	58	5290	0.12	0.258	11.32	11.50	1.042	83.78	1.194	0.321	4#
				Right Edge Tilt	0	58	5290	-0.16	0.091	11.32	11.50	1.042	83.78	1.194	0.113	/
				Top Edge	0	58	5290	0.05	0.025	11.32	11.50	1.042	83.78	1.194	0.031	/
		HUBBLE	Main	Front Side	0	58	5290	0.09	0.021	9.61	10.00	1.094	83.78	1.194	0.027	/
				Back Side	0	58	5290	-0.02	0.122	9.61	10.00	1.094	83.78	1.194	0.159	/
				Left Edge	0	58	5290	0.16	0.212	9.61	10.00	1.094	83.78	1.194	0.277	5#
				Left Edge Tilt	0	58	5290	-0.19	0.122	9.61	10.00	1.094	83.78	1.194	0.159	/
				Top Edge	0	58	5290	0.14	0.016	9.61	10.00	1.094	83.78	1.194	0.021	/
		INNOW AVE	Main	Front Side	0	58	5290	0.14	0.032	9.61	10.00	1.094	83.78	1.194	0.042	/
				Back Side	0	58	5290	-0.03	0.013	9.61	10.00	1.094	83.78	1.194	0.017	/
				Left Edge	0	58	5290	0.15	0.163	9.61	10.00	1.094	83.78	1.194	0.213	/
				Left Edge Tilt	0	58	5290	0.13	0.052	9.61	10.00	1.094	83.78	1.194	0.068	/
				Top Edge	0	58	5290	0.17	0.035	9.61	10.00	1.094	83.78	1.194	0.046	/
5.6G	802.11 ac160	HUBBLE	Aux.	Front Side	0	114	5570	-0.12	0.013	9.11	9.50	1.094	81.15	1.232	0.018	/
				Back Side	0	114	5570	-0.08	0.085	9.11	9.50	1.094	81.15	1.232	0.115	/
				Right Edge	0	114	5570	-0.02	0.106	9.11	9.50	1.094	81.15	1.232	0.143	6#
				Right Edge Tilt	0	114	5570	0.01	0.068	9.11	9.50	1.094	81.15	1.232	0.092	/
				Top Edge	0	114	5570	0.01	0.023	9.11	9.50	1.094	81.15	1.232	0.031	/

5.8G	802.11 ac80	INNOW AVE	Aux.	Front Side	0	114	5570	0.16	0.029	9.11	9.50	1.094	81.15	1.232	0.039	/
				Back Side	0	114	5570	-0.17	0.033	9.11	9.50	1.094	81.15	1.232	0.044	/
				Right Edge	0	114	5570	0.01	0.111	9.11	9.50	1.094	81.15	1.232	0.150	/
				Right Edge Tilt	0	114	5570	-0.19	0.037	9.11	9.50	1.094	81.15	1.232	0.050	/
				Top Edge	0	114	5570	-0.14	0.007	9.11	9.50	1.094	81.15	1.232	0.009	/
		HUBBLE	Main	Front Side	0	114	5570	0.08	0.022	9.23	9.50	1.064	81.15	1.232	0.029	/
				Back Side	0	114	5570	-0.02	0.129	9.23	9.50	1.064	81.15	1.232	0.169	/
				Left Edge	0	114	5570	-0.01	0.191	9.23	9.50	1.064	81.15	1.232	0.250	7#
				Left Edge Tilt	0	114	5570	0.01	0.123	9.23	9.50	1.064	81.15	1.232	0.161	/
				Top Edge	0	114	5570	0.00	0.021	9.23	9.50	1.064	81.15	1.232	0.028	/
		INNOW AVE	Main	Front Side	0	114	5570	-0.01	0.025	9.23	9.50	1.064	81.15	1.232	0.033	/
				Back Side	0	114	5570	-0.04	0.022	9.23	9.50	1.064	81.15	1.232	0.029	/
				Left Edge	0	114	5570	-0.02	0.074	9.23	9.50	1.064	81.15	1.232	0.097	/
				Left Edge Tilt	0	114	5570	-0.09	0.023	9.23	9.50	1.064	81.15	1.232	0.030	/
				Top Edge	0	114	5570	0.03	0.014	9.23	9.50	1.064	81.15	1.232	0.018	/
5.8G	802.11 ac80	HUBBLE	Aux.	Front Side	0	155	5775	-0.06	0.013	9.68	10.00	1.076	83.78	1.194	0.017	/
				Back Side	0	155	5775	-0.17	0.116	9.68	10.00	1.076	83.78	1.194	0.149	/
				Right Edge	0	155	5775	0.07	0.147	9.68	10.00	1.076	83.78	1.194	0.189	/
				Right Edge Tilt	0	155	5775	0.08	0.102	9.68	10.00	1.076	83.78	1.194	0.131	/
				Top Edge	0	155	5775	-0.06	0.016	9.68	10.00	1.076	83.78	1.194	0.021	/
		INNOW AVE	Aux.	Front Side	0	155	5775	0.08	0.023	9.68	10.00	1.076	83.78	1.194	0.030	/
				Back Side	0	155	5775	-0.07	0.034	9.68	10.00	1.076	83.78	1.194	0.044	/
				Right Edge	0	155	5775	0.02	0.216	9.68	10.00	1.076	83.78	1.194	0.278	8#
				Right Edge Tilt	0	155	5775	0.08	0.055	9.68	10.00	1.076	83.78	1.194	0.071	/
				Top Edge	0	155	5775	0.05	0.013	9.68	10.00	1.076	83.78	1.194	0.017	/
		HUBBLE	Main	Front Side	0	155	5775	-0.15	0.014	9.72	10.00	1.067	83.78	1.194	0.018	/
				Back Side	0	155	5775	-0.09	0.108	9.72	10.00	1.067	83.78	1.194	0.138	/
				Left Edge	0	155	5775	-0.11	0.161	9.72	10.00	1.067	83.78	1.194	0.205	9#
				Left Edge Tilt	0	155	5775	-0.14	0.083	9.72	10.00	1.067	83.78	1.194	0.106	/
				Top Edge	0	155	5775	-0.04	0.021	9.72	10.00	1.067	83.78	1.194	0.027	/
		INNOW AVE	Main	Front Side	0	155	5775	0.09	0.041	9.72	10.00	1.067	83.78	1.194	0.052	/
				Back Side	0	155	5775	-0.09	0.032	9.72	10.00	1.067	83.78	1.194	0.041	/
				Left Edge	0	155	5775	-0.06	0.141	9.72	10.00	1.067	83.78	1.194	0.180	/
				Left Edge Tilt	0	155	5775	-0.19	0.032	9.72	10.00	1.067	83.78	1.194	0.041	/
				Top Edge	0	155	5775	0.00	0.034	9.72	10.00	1.067	83.78	1.194	0.043	/
5.9G	802.11 ac160	HUBBLE	Aux.	Front Side	0	163	5815	-0.16	0.028	9.47	10.00	1.130	81.15	1.232	0.039	/
				Back Side	0	163	5815	0.08	0.098	9.47	10.00	1.130	81.15	1.232	0.136	/
				Right Edge	0	163	5815	0.19	0.082	9.47	10.00	1.130	81.15	1.232	0.114	/
				Right Edge Tilt	0	163	5815	0.01	0.025	9.47	10.00	1.130	81.15	1.232	0.035	/

				Top Edge	0	163	5815	0.02	0.013	9.47	10.00	1.130	81.15	1.232	0.018	/
		INNOW AVE	Aux.	Front Side	0	163	5815	-0.07	0.021	9.47	10.00	1.130	81.15	1.232	0.029	/
				Back Side	0	163	5815	-0.17	0.082	9.47	10.00	1.130	81.15	1.232	0.114	/
				Right Edge	0	163	5815	-0.13	0.136	9.47	10.00	1.130	81.15	1.232	0.189	10#
				Right Edge Tilt	0	163	5815	0.10	0.101	9.47	10.00	1.130	81.15	1.232	0.141	/
				Top Edge	0	163	5815	-0.06	0.013	9.47	10.00	1.130	81.15	1.232	0.018	/
		HUBBLE	Main	Front Side	0	163	5815	-0.10	0.071	9.82	10.00	1.042	81.15	1.232	0.091	/
				Back Side	0	163	5815	0.00	0.065	9.82	10.00	1.042	81.15	1.232	0.083	/
				Left Edge	0	163	5815	-0.16	0.171	9.82	10.00	1.042	81.15	1.232	0.220	/
				Left Edge Tilt	0	163	5815	0.10	0.032	9.82	10.00	1.042	81.15	1.232	0.041	/
				Top Edge	0	163	5815	0.10	0.045	9.82	10.00	1.042	81.15	1.232	0.058	/
		INNOW AVE	Main	Front Side	0	163	5815	0.02	0.029	9.82	10.00	1.042	81.15	1.232	0.037	/
				Back Side	0	163	5815	-0.05	0.113	9.82	10.00	1.042	81.15	1.232	0.145	/
				Left Edge	0	163	5815	-0.11	0.197	9.82	10.00	1.042	81.15	1.232	0.253	11#
				Left Edge Tilt	0	163	5815	0.02	0.106	9.82	10.00	1.042	81.15	1.232	0.136	/
				Top Edge	0	163	5815	0.02	0.026	9.82	10.00	1.042	81.15	1.232	0.033	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.4WIFI 6GHz (Without Handle)

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
802.11 ax160	HUBBLE	Aux.	Front Side	0	79	6345	0.11	0.061	10.35	10.50	1.035	86.23	1.160	0.073	/
			Back Side	0	79	6345	-0.07	0.423	10.35	10.50	1.035	86.23	1.160	0.508	/
			Left Edge	0	79	6345	0.04	0.006	10.35	10.50	1.035	86.23	1.160	0.007	/
			Right Edge	0	79	6345	-0.04	0.702	10.35	10.50	1.035	86.23	1.160	0.843	/
			Right Edge Tilt	0	79	6345	0.00	0.556	10.35	10.50	1.035	86.23	1.160	0.668	/
			Top Edge	0	79	6345	0.12	0.085	10.35	10.50	1.035	86.23	1.160	0.102	/
			Bottom Edge	0	79	6345	0.03	0.011	10.35	10.50	1.035	86.23	1.160	0.013	/
			Right Edge	0	15	6025	-0.04	0.733	10.26	10.50	1.057	86.23	1.160	0.899	/
			Right Edge	0	47	6185	0.00	0.821	10.22	10.50	1.067	86.23	1.160	1.016	/
			Right Edge	0	111	6505	0.03	0.846	10.23	10.50	1.064	86.23	1.160	1.044	12#
			Right Edge	0	143	6665	-0.09	0.803	10.31	10.50	1.045	86.23	1.160	0.973	/
			Right Edge	0	175	6825	-0.06	0.799	10.18	10.50	1.076	86.23	1.160	0.997	/
			Right Edge	0	207	6985	0.18	0.686	10.28	10.50	1.052	86.23	1.160	0.837	/
	INNOWAVE	Aux.	Front Side	0	79	6345	-0.13	0.174	10.35	10.50	1.035	86.23	1.160	0.209	/
			Back Side	0	79	6345	0.07	0.133	10.35	10.50	1.035	86.23	1.160	0.160	/
			Left Edge	0	79	6345	0.01	0.004	10.35	10.50	1.035	86.23	1.160	0.005	/
			Right Edge	0	79	6345	-0.16	0.365	10.35	10.50	1.035	86.23	1.160	0.438	/
			Right Edge Tilt	0	79	6345	0.06	0.123	10.35	10.50	1.035	86.23	1.160	0.148	/
			Top Edge	0	79	6345	-0.02	0.041	10.35	10.50	1.035	86.23	1.160	0.049	/
			Bottom Edge	0	79	6345	0.13	0.008	10.35	10.50	1.035	86.23	1.160	0.010	/
			Right Edge	0	15	6025	0.09	0.388	10.26	10.50	1.057	86.23	1.160	0.476	/
			Right Edge	0	47	6185	0.09	0.416	10.22	10.50	1.067	86.23	1.160	0.515	/
			Right Edge	0	111	6505	-0.01	0.422	10.23	10.50	1.064	86.23	1.160	0.521	/
			Right Edge	0	143	6665	-0.02	0.355	10.31	10.50	1.045	86.23	1.160	0.430	/
			Right Edge	0	175	6825	0.07	0.323	10.18	10.50	1.076	86.23	1.160	0.403	/
			Right Edge	0	207	6985	0.17	0.374	10.28	10.50	1.052	86.23	1.160	0.456	/
	HUBBLE	Main	Front Side	0	15	6025	0.03	0.059	10.93	11.00	1.016	86.23	1.160	0.070	/
			Back Side	0	15	6025	-0.07	0.289	10.93	11.00	1.016	86.23	1.160	0.341	/
			Left Edge	0	15	6025	0.04	0.507	10.93	11.00	1.016	86.23	1.160	0.598	/
			Left Edge Tilt	0	15	6025	0.07	0.240	10.93	11.00	1.016	86.23	1.160	0.283	/
			Right Edge	0	15	6025	0.03	0.005	10.93	11.00	1.016	86.23	1.160	0.006	/
			Top Edge	0	15	6025	0.14	0.078	10.93	11.00	1.016	86.23	1.160	0.092	/
			Bottom Edge	0	15	6025	0.09	0.013	10.93	11.00	1.016	86.23	1.160	0.015	/

			Left Edge	0	47	6185	0.15	0.591	10.82	11.00	1.042	86.23	1.160	0.714	/
			Left Edge	0	79	6345	0.14	0.357	10.74	11.00	1.062	86.23	1.160	0.440	/
			Left Edge	0	111	6505	0.06	0.960	10.89	11.00	1.026	86.23	1.160	1.143	13#
			Left Edge	0	143	6665	0.18	0.521	10.81	11.00	1.045	86.23	1.160	0.632	/
			Left Edge	0	175	6825	-0.13	0.545	10.74	11.00	1.062	86.23	1.160	0.671	/
			Left Edge	0	207	6985	0.07	0.509	10.83	11.00	1.040	86.23	1.160	0.614	/
	INNOVA VE	Main	Front Side	0	15	6025	-0.01	0.088	10.93	11.00	1.016	86.23	1.160	0.104	/
			Back Side	0	15	6025	0.03	0.121	10.93	11.00	1.016	86.23	1.160	0.143	/
			Left Edge	0	15	6025	0.12	0.148	10.93	11.00	1.016	86.23	1.160	0.174	/
			Left Edge Tilt	0	15	6025	-0.19	0.120	10.93	11.00	1.016	86.23	1.160	0.141	/
			Right Edge	0	15	6025	-0.09	0.006	10.93	11.00	1.016	86.23	1.160	0.007	/
			Top Edge	0	15	6025	0.04	0.035	10.93	11.00	1.016	86.23	1.160	0.041	/
			Bottom Edge	0	15	6025	-0.12	0.009	10.93	11.00	1.016	86.23	1.160	0.011	/
			Left Edge	0	47	6185	0.02	0.214	10.82	11.00	1.042	86.23	1.160	0.259	/
			Left Edge	0	79	6345	0.05	0.208	10.74	11.00	1.062	86.23	1.160	0.256	/
			Left Edge	0	111	6505	0.10	0.190	10.89	11.00	1.026	86.23	1.160	0.226	/
			Left Edge	0	143	6665	-0.10	0.245	10.81	11.00	1.045	86.23	1.160	0.297	/
			Left Edge	0	175	6825	-0.02	0.233	10.74	11.00	1.062	86.23	1.160	0.287	/
			Left Edge	0	207	6985	0.08	0.145	10.83	11.00	1.040	86.23	1.160	0.175	/

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

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs															
802.11 ax160	HUBBLE	Aux.	Front Side	0	79	6345	0.11	0.013	10.35	10.50	1.035	86.23	1.160	0.016	/
			Back Side	0	79	6345	-0.07	0.106	10.35	10.50	1.035	86.23	1.160	0.127	/
			Left Edge	0	79	6345	0.04	0.004	10.35	10.50	1.035	86.23	1.160	0.005	/
			Right Edge	0	79	6345	-0.04	0.188	10.35	10.50	1.035	86.23	1.160	0.226	/
			Right Edge Tilt	0	79	6345	0.00	0.141	10.35	10.50	1.035	86.23	1.160	0.169	/
			Top Edge	0	79	6345	0.12	0.022	10.35	10.50	1.035	86.23	1.160	0.026	/
			Bottom Edge	0	79	6345	0.03	0.007	10.35	10.50	1.035	86.23	1.160	0.008	/
			Right Edge	0	15	6025	-0.04	0.193	10.26	10.50	1.057	86.23	1.160	0.237	/
			Right Edge	0	47	6185	0.00	0.203	10.22	10.50	1.067	86.23	1.160	0.251	/
			Right Edge	0	111	6505	0.03	0.222	10.23	10.50	1.064	86.23	1.160	0.274	12#
			Right Edge	0	143	6665	-0.09	0.202	10.31	10.50	1.045	86.23	1.160	0.245	/
			Right Edge	0	175	6825	-0.06	0.211	10.18	10.50	1.076	86.23	1.160	0.263	/
			Right Edge	0	207	6985	0.18	0.193	10.28	10.50	1.052	86.23	1.160	0.236	/
	INNOVA	Aux.	Front Side	0	79	6345	-0.13	0.041	10.35	10.50	1.035	86.23	1.160	0.049	/

	VE		Back Side	0	79	6345	0.07	0.032	10.35	10.50	1.035	86.23	1.160	0.038	/
			Left Edge	0	79	6345	0.01	0.002	10.35	10.50	1.035	86.23	1.160	0.002	/
			Right Edge	0	79	6345	-0.16	0.093	10.35	10.50	1.035	86.23	1.160	0.112	/
			Right Edge Tilt	0	79	6345	0.06	0.033	10.35	10.50	1.035	86.23	1.160	0.040	/
			Top Edge	0	79	6345	-0.02	0.011	10.35	10.50	1.035	86.23	1.160	0.013	/
			Bottom Edge	0	79	6345	0.13	0.005	10.35	10.50	1.035	86.23	1.160	0.006	/
			Right Edge	0	15	6025	0.09	0.111	10.26	10.50	1.057	86.23	1.160	0.136	/
			Right Edge	0	47	6185	0.09	0.109	10.22	10.50	1.067	86.23	1.160	0.135	/
			Right Edge	0	111	6505	-0.01	0.121	10.23	10.50	1.064	86.23	1.160	0.149	/
			Right Edge	0	143	6665	-0.02	0.095	10.31	10.50	1.045	86.23	1.160	0.115	/
			Right Edge	0	175	6825	0.07	0.081	10.18	10.50	1.076	86.23	1.160	0.101	/
			Right Edge	0	207	6985	0.17	0.102	10.28	10.50	1.052	86.23	1.160	0.124	/
	HUBBLE	Main	Front Side	0	15	6025	0.03	0.013	10.93	11.00	1.016	86.23	1.160	0.015	/
			Back Side	0	15	6025	-0.07	0.072	10.93	11.00	1.016	86.23	1.160	0.085	/
			Left Edge	0	15	6025	0.04	0.142	10.93	11.00	1.016	86.23	1.160	0.167	/
			Left Edge Tilt	0	15	6025	0.07	0.065	10.93	11.00	1.016	86.23	1.160	0.077	/
			Right Edge	0	15	6025	0.03	0.003	10.93	11.00	1.016	86.23	1.160	0.004	/
			Top Edge	0	15	6025	0.14	0.022	10.93	11.00	1.016	86.23	1.160	0.026	/
			Bottom Edge	0	15	6025	0.09	0.006	10.93	11.00	1.016	86.23	1.160	0.007	/
			Left Edge	0	47	6185	0.15	0.158	10.82	11.00	1.042	86.23	1.160	0.191	/
			Left Edge	0	79	6345	0.14	0.091	10.74	11.00	1.062	86.23	1.160	0.112	/
			Left Edge	0	111	6505	0.06	0.264	10.89	11.00	1.026	86.23	1.160	0.314	13#
			Left Edge	0	143	6665	0.18	0.153	10.81	11.00	1.045	86.23	1.160	0.185	/
			Left Edge	0	175	6825	-0.13	0.151	10.74	11.00	1.062	86.23	1.160	0.186	/
			Left Edge	0	207	6985	0.07	0.144	10.83	11.00	1.040	86.23	1.160	0.174	/
	INNOWA VE	Main	Front Side	0	15	6025	-0.01	0.021	10.93	11.00	1.016	86.23	1.160	0.025	/
			Back Side	0	15	6025	0.03	0.032	10.93	11.00	1.016	86.23	1.160	0.038	/
			Left Edge	0	15	6025	0.12	0.041	10.93	11.00	1.016	86.23	1.160	0.048	/
			Left Edge Tilt	0	15	6025	-0.19	0.031	10.93	11.00	1.016	86.23	1.160	0.037	/
			Right Edge	0	15	6025	-0.09	0.004	10.93	11.00	1.016	86.23	1.160	0.005	/
			Top Edge	0	15	6025	0.04	0.007	10.93	11.00	1.016	86.23	1.160	0.008	/
			Bottom Edge	0	15	6025	-0.12	0.005	10.93	11.00	1.016	86.23	1.160	0.006	/
			Left Edge	0	47	6185	0.02	0.052	10.82	11.00	1.042	86.23	1.160	0.063	/
			Left Edge	0	79	6345	0.05	0.053	10.74	11.00	1.062	86.23	1.160	0.065	/
			Left Edge	0	111	6505	0.10	0.048	10.89	11.00	1.026	86.23	1.160	0.057	/
			Left Edge	0	143	6665	-0.10	0.065	10.81	11.00	1.045	86.23	1.160	0.079	/
			Left Edge	0	175	6825	-0.02	0.062	10.74	11.00	1.062	86.23	1.160	0.076	/
			Left Edge	0	207	6985	0.08	0.047	10.83	11.00	1.040	86.23	1.160	0.057	/

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

10.5Bluetooth (Strap Handle)

Mode	Antenna Manufact urer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
DHS	HUBBLE	Aux.	Front Side	0	39	2441	0.02	0.044	12.93	13.00	1.016	76.88	1.301	0.058	/
			Back Side	0	39	2441	-0.01	0.066	12.93	13.00	1.016	76.88	1.301	0.087	/
			Top Edge	0	39	2441	0.18	0.003	12.93	13.00	1.016	76.88	1.301	0.004	/
			Back Side	0	0	2402	-0.03	0.061	12.78	13.00	1.052	76.88	1.301	0.083	/
			Back Side	0	78	2480	0.16	0.060	12.92	13.00	1.019	76.88	1.301	0.080	/
	INNOWA VE	Aux.	Front Side	0	39	2441	-0.10	0.053	12.93	13.00	1.016	76.88	1.301	0.070	/
			Back Side	0	39	2441	0.00	0.121	12.93	13.00	1.016	76.88	1.301	0.160	/
			Top Edge	0	39	2441	0.06	0.008	12.93	13.00	1.016	76.88	1.301	0.011	/
			Back Side	0	0	2402	0.07	0.123	12.78	13.00	1.052	76.88	1.301	0.168	/
			Back Side	0	78	2480	0.08	0.128	12.92	13.00	1.019	76.88	1.301	0.170	14#
	HUBBLE	Stand- alone Bluetooth	Front Side	0	78	2480	0.07	0.004	2.86	3.00	1.033	76.68	1.304	0.005	/
			Back Side	0	78	2480	-0.02	0.005	2.86	3.00	1.033	76.68	1.304	0.007	/
			Bottom Edge	0	78	2480	-0.04	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Back Side	0	0	2402	-0.18	0.003	1.47	3.00	1.422	76.68	1.304	0.006	/
			Back Side	0	39	2441	0.11	0.004	2.28	3.00	1.180	76.68	1.304	0.006	/
	INNOWA VE	Stand- alone Bluetooth	Front Side	0	78	2480	-0.07	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Back Side	0	78	2480	-0.10	0.004	2.86	3.00	1.033	76.68	1.304	0.005	/
			Bottom Edge	0	78	2480	0.15	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Back Side	0	0	2402	-0.18	0.002	1.47	3.00	1.422	76.68	1.304	0.004	/
			Back Side	0	39	2441	0.00	0.003	2.28	3.00	1.180	76.68	1.304	0.005	/
Note 1: Refer to ANNEX C for the detailed test data for each test configuration.															
Note 2: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.															
Note 3: Use factory test mode to control the power, and the power when the handle is removed is consistent with the power when the handle is put on.															

Mode	Antenna Manufact urer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs															
DHS	HUBBLE	Aux.	Front Side	0	39	2441	0.02	0.021	12.93	13.00	1.016	76.88	1.301	0.028	/
			Back Side	0	39	2441	-0.01	0.033	12.93	13.00	1.016	76.88	1.301	0.044	/
			Top Edge	0	39	2441	0.18	0.001	12.93	13.00	1.016	76.88	1.301	0.001	/
			Back Side	0	0	2402	-0.03	0.032	12.78	13.00	1.052	76.88	1.301	0.044	/
			Back Side	0	78	2480	0.16	0.028	12.92	13.00	1.019	76.88	1.301	0.037	/
	INNOWA VE	Aux.	Front Side	0	39	2441	-0.10	0.024	12.93	13.00	1.016	76.88	1.301	0.032	/
			Back Side	0	39	2441	0.00	0.052	12.93	13.00	1.016	76.88	1.301	0.069	/
			Top Edge	0	39	2441	0.06	0.003	12.93	13.00	1.016	76.88	1.301	0.004	/
			Back Side	0	0	2402	0.07	0.055	12.78	13.00	1.052	76.88	1.301	0.075	/
			Back Side	0	78	2480	0.08	0.059	12.92	13.00	1.019	76.88	1.301	0.078	14#
	HUBBLE	Stand- alone Bluetooth	Front Side	0	78	2480	0.07	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Back Side	0	78	2480	-0.02	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Top Edge	0	78	2480	-0.04	0.001	2.86	3.00	1.033	76.68	1.304	0.001	/
			Back Side	0	0	2402	-0.18	0.001	1.47	3.00	1.422	76.68	1.304	0.002	/
			Back Side	0	39	2441	0.11	0.002	2.28	3.00	1.180	76.68	1.304	0.003	/
	INNOWA VE	Stand- alone Bluetooth	Front Side	0	78	2480	-0.07	0.001	2.86	3.00	1.033	76.68	1.304	0.001	/
			Back Side	0	78	2480	-0.10	0.002	2.86	3.00	1.033	76.68	1.304	0.003	/
			Top Edge	0	78	2480	0.15	0.001	2.86	3.00	1.033	76.68	1.304	0.001	/
			Back Side	0	0	2402	-0.18	0.001	1.47	3.00	1.422	76.68	1.304	0.002	/
			Back Side	0	39	2441	0.00	0.001	2.28	3.00	1.180	76.68	1.304	0.002	/
Note 1: Refer to ANNEX C for the detailed test data for each test configuration.															
Note 2: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.															
Note 3: Use factory test mode to control the power, and the power when the handle is removed is consistent with the power when the handle is put on.															

10.6WIFI 2.4GHz (Strap Handle)

Mode	Antenna Manufact urer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
802.11b	HUBBLE	Aux.	Front Side	0	11	2462	0.04	0.154	16.42	16.50	1.019	99.16	1.008	0.158	/
			Back Side	0	11	2462	-0.03	0.182	16.42	16.50	1.019	99.16	1.008	0.187	/
			Top Edge	0	11	2462	-0.09	0.013	16.42	16.50	1.019	99.16	1.008	0.013	/
			Back Side	0	1	2412	-0.03	0.222	16.21	16.50	1.069	99.16	1.008	0.239	15#
			Back Side	0	6	2437	-0.11	0.193	16.01	16.50	1.119	99.16	1.008	0.218	/
	INNOWA VE	Aux.	Front Side	0	11	2462	-0.04	0.111	16.42	16.50	1.019	99.16	1.008	0.114	/
			Back Side	0	11	2462	-0.12	0.213	16.42	16.50	1.019	99.16	1.008	0.219	/
			Top Edge	0	11	2462	0.09	0.142	16.42	16.50	1.019	99.16	1.008	0.146	/
			Back Side	0	1	2412	-0.14	0.201	16.21	16.50	1.069	99.16	1.008	0.217	/
			Back Side	0	6	2437	0.11	0.206	16.01	16.50	1.119	99.16	1.008	0.232	/
	HUBBLE	Main	Front Side	0	11	2462	-0.11	0.206	14.73	15.00	1.064	99.16	1.008	0.221	/
			Back Side	0	11	2462	-0.04	0.224	14.73	15.00	1.064	99.16	1.008	0.240	/
			Top Edge	0	11	2462	0.02	0.172	14.73	15.00	1.064	99.16	1.008	0.184	/
			Back Side	0	1	2412	0.04	0.305	14.62	15.00	1.091	99.16	1.008	0.335	16#
			Back Side	0	6	2437	-0.12	0.050	14.68	15.00	1.076	99.16	1.008	0.054	/
	INNOWA VE	Main	Front Side	0	11	2462	-0.14	0.208	14.73	15.00	1.064	99.16	1.008	0.223	/
			Back Side	0	11	2462	-0.17	0.132	14.73	15.00	1.064	99.16	1.008	0.142	/
			Top Edge	0	11	2462	-0.08	0.148	14.73	15.00	1.064	99.16	1.008	0.159	/
			Front Side	0	1	2412	-0.10	0.158	14.62	15.00	1.091	99.16	1.008	0.174	/
			Front Side	0	6	2437	0.02	0.149	14.68	15.00	1.076	99.16	1.008	0.162	/
Note 1: Refer to ANNEX C for the detailed test data for each test configuration.															
Note 2: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.															
Note 3: Use factory test mode to control the power, and the power when the handle is removed is consistent with the power when the handle is put on.															

Mode	Antenna Manufact urer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs															
802.11b	HUBBLE	Aux.	Front Side	0	11	2462	0.04	0.052	16.42	16.50	1.019	99.16	1.008	0.053	/
			Back Side	0	11	2462	-0.03	0.083	16.42	16.50	1.019	99.16	1.008	0.085	/
			Top Edge	0	11	2462	-0.09	0.006	16.42	16.50	1.019	99.16	1.008	0.006	/
			Back Side	0	1	2412	-0.03	0.115	16.21	16.50	1.069	99.16	1.008	0.124	15#
			Back Side	0	6	2437	-0.11	0.102	16.01	16.50	1.119	99.16	1.008	0.115	/
	INNOWA VE	Aux.	Front Side	0	11	2462	-0.04	0.052	16.42	16.50	1.019	99.16	1.008	0.053	/
			Back Side	0	11	2462	-0.12	0.106	16.42	16.50	1.019	99.16	1.008	0.109	/
			Top Edge	0	11	2462	0.09	0.072	16.42	16.50	1.019	99.16	1.008	0.074	/
			Back Side	0	1	2412	-0.14	0.102	16.21	16.50	1.069	99.16	1.008	0.110	/
			Back Side	0	6	2437	0.11	0.101	16.01	16.50	1.119	99.16	1.008	0.114	/
	HUBBLE	Main	Front Side	0	11	2462	-0.11	0.085	14.73	15.00	1.064	99.16	1.008	0.091	/
			Back Side	0	11	2462	-0.04	0.103	14.73	15.00	1.064	99.16	1.008	0.110	/
			Top Edge	0	11	2462	0.02	0.082	14.73	15.00	1.064	99.16	1.008	0.088	/
			Back Side	0	1	2412	0.04	0.167	14.62	15.00	1.091	99.16	1.008	0.184	16#
			Back Side	0	6	2437	-0.12	0.123	14.68	15.00	1.076	99.16	1.008	0.133	/
	INNOWA VE	Main	Front Side	0	11	2462	-0.14	0.086	14.73	15.00	1.064	99.16	1.008	0.092	/
			Back Side	0	11	2462	-0.17	0.055	14.73	15.00	1.064	99.16	1.008	0.059	/
			Top Edge	0	11	2462	-0.08	0.071	14.73	15.00	1.064	99.16	1.008	0.076	/
			Front Side	0	1	2412	-0.10	0.081	14.62	15.00	1.091	99.16	1.008	0.089	/
			Front Side	0	6	2437	0.02	0.079	14.68	15.00	1.076	99.16	1.008	0.086	/
Note 1: Refer to ANNEX C for the detailed test data for each test configuration.															
Note 2: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.															
Note 3: Use factory test mode to control the power, and the power when the handle is removed is consistent with the power when the handle is put on.															

10.7WIFI 5GHz (Strap Handle)

Fre. Band	Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
5.3G	802.11 ac80	HUBBLE	Aux.	Front Side	0	58	5290	0.02	0.102	11.32	11.50	1.042	83.78	1.194	0.127	/
				Back Side	0	58	5290	-0.18	0.379	11.32	11.50	1.042	83.78	1.194	0.472	17#
				Top Edge	0	58	5290	-0.13	0.059	11.32	11.50	1.042	83.78	1.194	0.073	/
		INNOW AVE	Aux.	Front Side	0	58	5290	-0.05	0.207	11.32	11.50	1.042	83.78	1.194	0.258	/
				Back Side	0	58	5290	-0.09	0.348	11.32	11.50	1.042	83.78	1.194	0.433	/
				Top Edge	0	58	5290	0.17	0.088	11.32	11.50	1.042	83.78	1.194	0.109	/
		HUBBLE	Main	Front Side	0	58	5290	0.09	0.065	9.61	10.00	1.094	83.78	1.194	0.085	/
				Back Side	0	58	5290	-0.02	0.419	9.61	10.00	1.094	83.78	1.194	0.547	18#
				Top Edge	0	58	5290	0.04	0.152	9.61	10.00	1.094	83.78	1.194	0.199	/
		INNOW AVE	Main	Front Side	0	58	5290	0.14	0.118	9.61	10.00	1.094	83.78	1.194	0.154	/
				Back Side	0	58	5290	-0.03	0.052	9.61	10.00	1.094	83.78	1.194	0.068	/
				Top Edge	0	58	5290	0.01	0.121	9.61	10.00	1.094	83.78	1.194	0.158	/
5.6G	802.11 ac160	HUBBLE	Aux.	Front Side	0	114	5570	-0.12	0.051	9.11	9.50	1.094	81.15	1.232	0.069	/
				Back Side	0	114	5570	-0.08	0.294	9.11	9.50	1.094	81.15	1.232	0.396	19#
				Top Edge	0	114	5570	0.11	0.052	9.11	9.50	1.094	81.15	1.232	0.070	/
		INNOW AVE	Aux.	Front Side	0	114	5570	0.16	0.115	9.11	9.50	1.094	81.15	1.232	0.155	/
				Back Side	0	114	5570	-0.17	0.134	9.11	9.50	1.094	81.15	1.232	0.181	/
				Top Edge	0	114	5570	-0.17	0.042	9.11	9.50	1.094	81.15	1.232	0.057	/
		HUBBLE	Main	Front Side	0	114	5570	0.08	0.088	9.23	9.50	1.064	81.15	1.232	0.115	/
				Back Side	0	114	5570	-0.02	0.449	9.23	9.50	1.064	81.15	1.232	0.589	20#
				Top Edge	0	114	5570	-0.13	0.059	9.23	9.50	1.064	81.15	1.232	0.077	/
		INNOW AVE	Main	Front Side	0	114	5570	-0.01	0.105	9.23	9.50	1.064	81.15	1.232	0.138	/
				Back Side	0	114	5570	-0.04	0.090	9.23	9.50	1.064	81.15	1.232	0.118	/
				Top Edge	0	114	5570	-0.02	0.043	9.23	9.50	1.064	81.15	1.232	0.056	/
5.8G	802.11 ac80	HUBBLE	Aux.	Front Side	0	155	5775	-0.06	0.049	9.68	10.00	1.076	83.78	1.194	0.063	/
				Back Side	0	155	5775	-0.17	0.408	9.68	10.00	1.076	83.78	1.194	0.524	21#
				Top Edge	0	155	5775	0.16	0.061	9.68	10.00	1.076	83.78	1.194	0.078	/
		INNOW AVE	Aux.	Front Side	0	155	5775	0.08	0.106	9.68	10.00	1.076	83.78	1.194	0.136	/
				Back Side	0	155	5775	-0.07	0.145	9.68	10.00	1.076	83.78	1.194	0.186	/
				Top Edge	0	155	5775	0.02	0.064	9.68	10.00	1.076	83.78	1.194	0.082	/
		HUBBLE	Main	Front Side	0	155	5775	-0.15	0.065	9.72	10.00	1.067	83.78	1.194	0.083	/
				Back Side	0	155	5775	-0.09	0.384	9.72	10.00	1.067	83.78	1.194	0.489	22#
				Top Edge	0	155	5775	-0.10	0.057	9.72	10.00	1.067	83.78	1.194	0.073	/

		INNOW AVE	Main	Front Side	0	155	5775	0.09	0.166	9.72	10.00	1.067	83.78	1.194	0.211	/		
				Back Side	0	155	5775	-0.09	0.127	9.72	10.00	1.067	83.78	1.194	0.162	/		
				Top Edge	0	155	5775	0.04	0.126	9.72	10.00	1.067	83.78	1.194	0.161	/		
5.9G	802.11 ac160	HUBBLE	Aux.	Front Side	0	163	5815	-0.16	0.110	9.47	10.00	1.130	81.15	1.232	0.153	/		
				Back Side	0	163	5815	0.08	0.343	9.47	10.00	1.130	81.15	1.232	0.478	23#		
				Top Edge	0	163	5815	0.06	0.028	9.47	10.00	1.130	81.15	1.232	0.039	/		
		INNOW AVE	Aux.	Front Side	0	163	5815	-0.07	0.073	9.47	10.00	1.130	81.15	1.232	0.102	/		
				Back Side	0	163	5815	-0.17	0.252	9.47	10.00	1.130	81.15	1.232	0.351	/		
				Top Edge	0	163	5815	0.10	0.028	9.47	10.00	1.130	81.15	1.232	0.039	/		
		HUBBLE	Main	Front Side	0	163	5815	-0.10	0.258	9.82	10.00	1.042	81.15	1.232	0.331	/		
				Back Side	0	163	5815	0.00	0.234	9.82	10.00	1.042	81.15	1.232	0.300	/		
				Top Edge	0	163	5815	-0.09	0.105	9.82	10.00	1.042	81.15	1.232	0.135	/		
		INNOW AVE	Main	Front Side	0	163	5815	0.02	0.101	9.82	10.00	1.042	81.15	1.232	0.130	/		
				Back Side	0	163	5815	-0.05	0.394	9.82	10.00	1.042	81.15	1.232	0.506	24#		
				Top Edge	0	163	5815	0.02	0.043	9.82	10.00	1.042	81.15	1.232	0.055	/		
		Note 1: Refer to ANNEX C for the detailed test data for each test configuration.																
		Note 2: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.																
		Note 3: Use factory test mode to control the power, and the power when the handle is removed is consistent with the power when the handle is put on.																

Fre. Band	Mode	Antenna Manufac turer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs																
5.3G	802.11 ac80	HUBBLE	Aux.	Front Side	0	58	5290	0.02	0.031	11.32	11.50	1.042	83.78	1.194	0.039	/
				Back Side	0	58	5290	-0.18	0.114	11.32	11.50	1.042	83.78	1.194	0.142	17#
				Top Edge	0	58	5290	-0.13	0.015	11.32	11.50	1.042	83.78	1.194	0.019	/
		INNOW AVE	Aux.	Front Side	0	58	5290	-0.05	0.062	11.32	11.50	1.042	83.78	1.194	0.077	/
				Back Side	0	58	5290	-0.09	0.085	11.32	11.50	1.042	83.78	1.194	0.106	/
				Top Edge	0	58	5290	0.17	0.025	11.32	11.50	1.042	83.78	1.194	0.031	/
		HUBBLE	Main	Front Side	0	58	5290	0.09	0.021	9.61	10.00	1.094	83.78	1.194	0.027	/
				Back Side	0	58	5290	-0.02	0.122	9.61	10.00	1.094	83.78	1.194	0.159	18#
				Top Edge	0	58	5290	0.04	0.043	9.61	10.00	1.094	83.78	1.194	0.056	/
		INNOW AVE	Main	Front Side	0	58	5290	0.14	0.032	9.61	10.00	1.094	83.78	1.194	0.042	/
				Back Side	0	58	5290	-0.03	0.013	9.61	10.00	1.094	83.78	1.194	0.017	/
				Top Edge	0	58	5290	0.01	0.034	9.61	10.00	1.094	83.78	1.194	0.044	/
5.6G	802.11 ac160	HUBBLE	Aux.	Front Side	0	114	5570	-0.12	0.013	9.11	9.50	1.094	81.15	1.232	0.018	/
				Back Side	0	114	5570	-0.08	0.085	9.11	9.50	1.094	81.15	1.232	0.115	19#
				Top Edge	0	114	5570	0.11	0.013	9.11	9.50	1.094	81.15	1.232	0.018	/

		INNOW AVE	Aux.	Front Side	0	114	5570	0.16	0.029	9.11	9.50	1.094	81.15	1.232	0.039	/
				Back Side	0	114	5570	-0.17	0.033	9.11	9.50	1.094	81.15	1.232	0.044	/
				Top Edge	0	114	5570	-0.17	0.016	9.11	9.50	1.094	81.15	1.232	0.022	/
		HUBBLE	Main	Front Side	0	114	5570	0.08	0.022	9.23	9.50	1.064	81.15	1.232	0.029	/
				Back Side	0	114	5570	-0.02	0.129	9.23	9.50	1.064	81.15	1.232	0.169	20#
				Top Edge	0	114	5570	-0.13	0.013	9.23	9.50	1.064	81.15	1.232	0.017	/
		INNOW AVE	Main	Front Side	0	114	5570	-0.01	0.025	9.23	9.50	1.064	81.15	1.232	0.033	/
				Back Side	0	114	5570	-0.04	0.022	9.23	9.50	1.064	81.15	1.232	0.029	/
				Top Edge	0	114	5570	-0.02	0.014	9.23	9.50	1.064	81.15	1.232	0.018	/
5.8G	802.11 ac80	HUBBLE	Aux.	Front Side	0	155	5775	-0.06	0.013	9.68	10.00	1.076	83.78	1.194	0.017	/
				Back Side	0	155	5775	-0.17	0.116	9.68	10.00	1.076	83.78	1.194	0.149	21#
				Top Edge	0	155	5775	0.16	0.015	9.68	10.00	1.076	83.78	1.194	0.019	/
		INNOW AVE	Aux.	Front Side	0	155	5775	0.08	0.023	9.68	10.00	1.076	83.78	1.194	0.030	/
				Back Side	0	155	5775	-0.07	0.034	9.68	10.00	1.076	83.78	1.194	0.044	/
				Top Edge	0	155	5775	0.02	0.016	9.68	10.00	1.076	83.78	1.194	0.021	/
		HUBBLE	Main	Front Side	0	155	5775	-0.15	0.014	9.72	10.00	1.067	83.78	1.194	0.018	/
				Back Side	0	155	5775	-0.09	0.108	9.72	10.00	1.067	83.78	1.194	0.138	22#
				Top Edge	0	155	5775	-0.10	0.013	9.72	10.00	1.067	83.78	1.194	0.017	/
		INNOW AVE	Main	Front Side	0	155	5775	0.09	0.041	9.72	10.00	1.067	83.78	1.194	0.052	/
				Back Side	0	155	5775	-0.09	0.032	9.72	10.00	1.067	83.78	1.194	0.041	/
				Top Edge	0	155	5775	0.04	0.031	9.72	10.00	1.067	83.78	1.194	0.039	/
5.9G	802.11 ac160	HUBBLE	Aux.	Front Side	0	163	5815	-0.16	0.028	9.47	10.00	1.130	81.15	1.232	0.039	/
				Back Side	0	163	5815	0.08	0.098	9.47	10.00	1.130	81.15	1.232	0.136	23#
				Top Edge	0	163	5815	0.06	0.006	9.47	10.00	1.130	81.15	1.232	0.008	/
		INNOW AVE	Aux.	Front Side	0	163	5815	-0.07	0.021	9.47	10.00	1.130	81.15	1.232	0.029	/
				Back Side	0	163	5815	-0.17	0.082	9.47	10.00	1.130	81.15	1.232	0.114	/
				Top Edge	0	163	5815	0.10	0.007	9.47	10.00	1.130	81.15	1.232	0.010	/
		HUBBLE	Main	Front Side	0	163	5815	-0.10	0.071	9.82	10.00	1.042	81.15	1.232	0.091	/
				Back Side	0	163	5815	0.00	0.065	9.82	10.00	1.042	81.15	1.232	0.083	/
				Top Edge	0	163	5815	-0.09	0.027	9.82	10.00	1.042	81.15	1.232	0.035	/
		INNOW AVE	Main	Front Side	0	163	5815	0.02	0.025	9.82	10.00	1.042	81.15	1.232	0.032	/
				Back Side	0	163	5815	-0.05	0.111	9.82	10.00	1.042	81.15	1.232	0.142	24#
				Top Edge	0	163	5815	0.02	0.015	9.82	10.00	1.042	81.15	1.232	0.019	/

Note 1: Refer to ANNEX C for the detailed test data for each test configuration.

Note 2: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.

Note 3: Use factory test mode to control the power, and the power when the handle is removed is consistent with the power when the handle is put on.

10.8WIFI 6GHz (Strap Handle)

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
802.11 ax160	HUBBLE	Aux.	Front Side	0	79	6345	0.11	0.061	10.35	10.50	1.035	86.23	1.160	0.073	/
			Back Side	0	79	6345	-0.07	0.423	10.35	10.50	1.035	86.23	1.160	0.508	/
			Left Edge	0	79	6345	-0.15	0.005	10.35	10.50	1.035	86.23	1.160	0.006	/
			Right Edge	0	79	6345	0.09	0.023	10.35	10.50	1.035	86.23	1.160	0.028	/
			Top Edge	0	79	6345	0.17	0.087	10.35	10.50	1.035	86.23	1.160	0.104	/
			Bottom Edge	0	79	6345	-0.11	0.013	10.35	10.50	1.035	86.23	1.160	0.016	/
			Back Side	0	15	6025	0.03	0.557	10.26	10.50	1.057	86.23	1.160	0.683	25#
			Back Side	0	47	6185	0.19	0.371	10.22	10.50	1.067	86.23	1.160	0.459	/
			Back Side	0	111	6505	-0.01	0.389	10.23	10.50	1.064	86.23	1.160	0.480	/
			Back Side	0	143	6665	-0.19	0.259	10.31	10.50	1.045	86.23	1.160	0.314	/
			Back Side	0	175	6825	-0.04	0.256	10.18	10.50	1.076	86.23	1.160	0.320	/
			Back Side	0	207	6985	-0.06	0.257	10.28	10.50	1.052	86.23	1.160	0.314	/
	INNOWA VE	Aux.	Front Side	0	79	6345	-0.13	0.174	10.35	10.50	1.035	86.23	1.160	0.209	/
			Back Side	0	79	6345	0.07	0.133	10.35	10.50	1.035	86.23	1.160	0.160	/
			Left Edge	0	79	6345	-0.18	0.002	10.35	10.50	1.035	86.23	1.160	0.002	/
			Right Edge	0	79	6345	0.05	0.013	10.35	10.50	1.035	86.23	1.160	0.016	/
			Top Edge	0	79	6345	-0.06	0.057	10.35	10.50	1.035	86.23	1.160	0.068	/
			Bottom Edge	0	79	6345	0.01	0.011	10.35	10.50	1.035	86.23	1.160	0.013	/
			Front Side	0	15	6025	0.18	0.088	10.26	10.50	1.057	86.23	1.160	0.108	/
			Front Side	0	47	6185	0.08	0.123	10.22	10.50	1.067	86.23	1.160	0.152	/
			Front Side	0	111	6505	-0.16	0.097	10.23	10.50	1.064	86.23	1.160	0.120	/
			Front Side	0	143	6665	0.18	0.118	10.31	10.50	1.045	86.23	1.160	0.143	/
			Front Side	0	175	6825	-0.08	0.094	10.18	10.50	1.076	86.23	1.160	0.117	/
			Front Side	0	207	6985	0.14	0.095	10.28	10.50	1.052	86.23	1.160	0.116	/
	HUBBLE	Main	Front Side	0	15	6025	0.03	0.059	10.93	11.00	1.016	86.23	1.160	0.070	/
			Back Side	0	15	6025	-0.07	0.289	10.93	11.00	1.016	86.23	1.160	0.341	/
			Left Edge	0	15	6025	-0.12	0.021	10.93	11.00	1.016	86.23	1.160	0.025	/
			Right Edge	0	15	6025	0.19	0.003	10.93	11.00	1.016	86.23	1.160	0.004	/
			Top Edge	0	15	6025	0.16	0.077	10.93	11.00	1.016	86.23	1.160	0.091	/
			Bottom Edge	0	15	6025	0.13	0.015	10.93	11.00	1.016	86.23	1.160	0.018	/
			Back Side	0	47	6185	0.02	0.350	10.82	11.00	1.042	86.23	1.160	0.423	26#
			Back Side	0	79	6345	0.03	0.263	10.82	11.00	1.042	86.23	1.160	0.318	/
			Back Side	0	111	6505	0.04	0.275	10.89	11.00	1.026	86.23	1.160	0.327	/

			Back Side	0	143	6665	0.16	0.295	10.81	11.00	1.045	86.23	1.160	0.358	/
			Back Side	0	175	6825	-0.12	0.261	10.74	11.00	1.062	86.23	1.160	0.322	/
			Back Side	0	207	6985	-0.03	0.191	10.83	11.00	1.040	86.23	1.160	0.230	/
	INNOWA VE	Main	Front Side	0	15	6025	-0.01	0.088	10.93	11.00	1.016	86.23	1.160	0.104	/
			Back Side	0	15	6025	0.03	0.121	10.93	11.00	1.016	86.23	1.160	0.143	/
			Left Edge	0	15	6025	-0.15	0.012	10.93	11.00	1.016	86.23	1.160	0.014	/
			Right Edge	0	15	6025	0.01	0.004	10.93	11.00	1.016	86.23	1.160	0.005	/
			Top Edge	0	15	6025	0.10	0.109	10.93	11.00	1.016	86.23	1.160	0.128	/
			Bottom Edge	0	15	6025	-0.10	0.011	10.93	11.00	1.016	86.23	1.160	0.013	/
			Back Side	0	47	6185	-0.11	0.137	10.74	11.00	1.062	86.23	1.160	0.169	/
			Back Side	0	79	6345	-0.10	0.093	10.82	11.00	1.042	86.23	1.160	0.112	/
			Back Side	0	111	6505	0.07	0.140	10.89	11.00	1.026	86.23	1.160	0.167	/
			Back Side	0	143	6665	0.13	0.134	10.81	11.00	1.045	86.23	1.160	0.162	/
			Back Side	0	175	6825	0.08	0.162	10.74	11.00	1.062	86.23	1.160	0.200	/
			Back Side	0	207	6985	-0.08	0.107	10.83	11.00	1.040	86.23	1.160	0.129	/

Note 1: Refer to ANNEX C for the detailed test data for each test configuration.

Note 2: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.

Note 3: Use factory test mode to control the power, and the power when the handle is removed is consistent with the power when the handle is put on.

Mode	Antenna Manufact urer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs															
802.11 ax160	HUBBLE	Aux.	Front Side	0	79	6345	0.11	0.013	10.35	10.50	1.035	86.23	1.160	0.016	/
			Back Side	0	79	6345	-0.07	0.106	10.35	10.50	1.035	86.23	1.160	0.127	/
			Left Edge	0	79	6345	-0.15	0.002	10.35	10.50	1.035	86.23	1.160	0.002	/
			Right Edge	0	79	6345	0.09	0.011	10.35	10.50	1.035	86.23	1.160	0.013	/
			Top Edge	0	79	6345	0.17	0.023	10.35	10.50	1.035	86.23	1.160	0.028	/
			Bottom Edge	0	79	6345	-0.11	0.005	10.35	10.50	1.035	86.23	1.160	0.006	/
			Back Side	0	15	6025	0.03	0.154	10.26	10.50	1.057	86.23	1.160	0.189	25#
			Back Side	0	47	6185	0.19	0.102	10.22	10.50	1.067	86.23	1.160	0.126	/
			Back Side	0	111	6505	-0.01	0.112	10.23	10.50	1.064	86.23	1.160	0.138	/
			Back Side	0	143	6665	-0.19	0.085	10.31	10.50	1.045	86.23	1.160	0.103	/
			Back Side	0	175	6825	-0.04	0.079	10.18	10.50	1.076	86.23	1.160	0.099	/
			Back Side	0	207	6985	-0.06	0.074	10.28	10.50	1.052	86.23	1.160	0.090	/
	INNOWA VE	Aux.	Front Side	0	79	6345	-0.13	0.041	10.35	10.50	1.035	86.23	1.160	0.049	/
			Back Side	0	79	6345	0.07	0.032	10.35	10.50	1.035	86.23	1.160	0.038	/
			Left Edge	0	79	6345	-0.18	0.001	10.35	10.50	1.035	86.23	1.160	0.001	/

			Right Edge	0	79	6345	0.05	0.006	10.35	10.50	1.035	86.23	1.160	0.007	/
			Top Edge	0	79	6345	-0.06	0.015	10.35	10.50	1.035	86.23	1.160	0.018	/
			Bottom Edge	0	79	6345	0.01	0.006	10.35	10.50	1.035	86.23	1.160	0.007	/
			Front Side	0	15	6025	0.18	0.023	10.26	10.50	1.057	86.23	1.160	0.028	/
			Front Side	0	47	6185	0.08	0.032	10.22	10.50	1.067	86.23	1.160	0.040	/
			Front Side	0	111	6505	-0.16	0.028	10.23	10.50	1.064	86.23	1.160	0.035	/
			Front Side	0	143	6665	0.18	0.035	10.31	10.50	1.045	86.23	1.160	0.042	/
			Front Side	0	175	6825	-0.08	0.029	10.18	10.50	1.076	86.23	1.160	0.036	/
			Front Side	0	207	6985	0.14	0.023	10.28	10.50	1.052	86.23	1.160	0.028	/
	HUBBLE	Main	Front Side	0	15	6025	0.03	0.013	10.93	11.00	1.016	86.23	1.160	0.015	/
			Back Side	0	15	6025	-0.07	0.072	10.93	11.00	1.016	86.23	1.160	0.085	/
			Left Edge	0	15	6025	-0.12	0.011	10.93	11.00	1.016	86.23	1.160	0.013	/
			Right Edge	0	15	6025	0.19	0.001	10.93	11.00	1.016	86.23	1.160	0.001	/
			Top Edge	0	15	6025	0.16	0.023	10.93	11.00	1.016	86.23	1.160	0.027	/
			Bottom Edge	0	15	6025	0.13	0.006	10.93	11.00	1.016	86.23	1.160	0.007	/
			Back Side	0	47	6185	0.02	0.096	10.82	11.00	1.042	86.23	1.160	0.116	26#
			Back Side	0	79	6345	0.03	0.071	10.74	11.00	1.062	86.23	1.160	0.087	/
			Back Side	0	111	6505	0.04	0.076	10.89	11.00	1.026	86.23	1.160	0.090	/
			Back Side	0	143	6665	0.16	0.083	10.81	11.00	1.045	86.23	1.160	0.101	/
			Back Side	0	175	6825	-0.12	0.068	10.74	11.00	1.062	86.23	1.160	0.084	/
			Back Side	0	207	6985	-0.03	0.063	10.83	11.00	1.040	86.23	1.160	0.076	/
	INNOWA VE	Main	Front Side	0	15	6025	-0.01	0.021	10.93	11.00	1.016	86.23	1.160	0.025	/
			Back Side	0	15	6025	0.03	0.032	10.93	11.00	1.016	86.23	1.160	0.038	/
			Left Edge	0	15	6025	-0.15	0.005	10.93	11.00	1.016	86.23	1.160	0.006	/
			Right Edge	0	15	6025	0.01	0.002	10.93	11.00	1.016	86.23	1.160	0.002	/
			Top Edge	0	15	6025	0.10	0.025	10.93	11.00	1.016	86.23	1.160	0.029	/
			Bottom Edge	0	15	6025	-0.10	0.005	10.93	11.00	1.016	86.23	1.160	0.006	/
			Back Side	0	47	6185	-0.11	0.031	10.82	11.00	1.042	86.23	1.160	0.037	/
			Back Side	0	79	6345	-0.10	0.021	10.74	11.00	1.062	86.23	1.160	0.026	/
			Back Side	0	111	6505	0.07	0.035	10.89	11.00	1.026	86.23	1.160	0.042	/
			Back Side	0	143	6665	0.13	0.031	10.81	11.00	1.045	86.23	1.160	0.038	/
			Back Side	0	175	6825	0.08	0.042	10.74	11.00	1.062	86.23	1.160	0.052	/
			Back Side	0	207	6985	-0.08	0.027	10.83	11.00	1.040	86.23	1.160	0.033	/

Note 1: Refer to ANNEX C for the detailed test data for each test configuration.

Note 2: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.

Note 3: Use factory test mode to control the power, and the power when the handle is removed is consistent with the power when the handle is put on.

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.

Frequency Band (MHz)	Wireless Band	Antenna manufacturer	Antenna	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Highest Measured SAR (W/kg)	Largest to Smallest SAR Ratio
2412	802.11b	HUBBLE	Main	Body	Left Edge	0.905	Yes	0.887	1.02
2437	802.11b	HUBBLE	Main	Body	Left Edge	1.060	Yes	1.020	1.04
5290	802.11ac80	INNOWAVE	Aux.	Body	Right Edge	0.815	Yes	0.802	1.02
6185	802.11ax160	HUBBLE	Aux.	Body	Right Edge	0.821	Yes	0.814	1.01
6505	802.11ax160	HUBBLE	Aux.	Body	Right Edge	0.846	Yes	0.822	1.03
6665	802.11ax160	HUBBLE	Aux.	Body	Right Edge	0.803	Yes	0.793	1.01
6505	802.11ax160	HUBBLE	Main	Body	Left Edge	0.960	Yes	0.911	1.05

Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20 , the second 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).

According KDB 447498 D04, simultaneous transmission:

- $$SPLSR = (SAR1 + SAR2)^{1.5} / R_i$$
 (min. separation distance, mm), and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 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 a specific test operating mode and exposure condition as the first.
- If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
- Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

12.1 Simultaneous Transmission Mode Considerations

No.	Simultaneous Tx Combination	Body&Limbs
1	Bluetooth (Antenna Auxiliary) + WLAN 2.4GHz (Antenna Main)+Bluetooth(Stand-alone Bluetooth)	Yes
2	WLAN 2.4GHz (Antenna Main) + WLAN 2.4GHz (Antenna Auxiliary)+Bluetooth(Stand-alone Bluetooth)	Yes
3	Bluetooth (Antenna Auxiliary)+ WLAN 5GHz (Antenna Auxiliary)+WLAN 5GHz (Antenna Main)+Bluetooth(Stand-alone Bluetooth)	Yes
4	Bluetooth (Antenna Auxiliary)+ WLAN 6GHz (Antenna Auxiliary)+WLAN 6GHz (Antenna Main)+Bluetooth(Stand-alone Bluetooth)	Yes

Note:

- MT7922A12L WLAN 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
- 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.
- The maximum SAR summation is calculated based on the same configuration and test position.
- 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.
- Please refer the document "BL-SZ2550400-AST-1.pdf".

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	DASY8	16.2.2.1588	N/A	N/A
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
6.5GHz Validation Dipole	Speag	D6.5GHzV2	SN: 1037	2024/05/28	2027/05/27
Data Acquisition Electronics	Speag	DAE4	SN: 878	2025/03/05	2026/03/04
E-Field Probe	Speag	EX3DV4	SN: 7893	2024/09/05	2025/09/04
Signal Generator	Keysight	N5173B	MY62150163	2024/08/12	2025/08/11
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z4	100381	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Network Analyzer	Agilent	E5071C	MY46103472	2024/09/11	2025/09/10
Thermometer	Elitech	RC-4HC	EF7239002655	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF7216002974	2024/10/31	2025/10/30
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	ELI V8.0	SN: 2159	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, BALUN 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 a DAK3.5 Dielectric Probe Kit.

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2025.06.04	Head	2450	21.2	1.82	39.24	1.80	39.20	1.11	0.10
2025.06.05	Head	2450	21.3	1.83	39.34	1.80	39.20	1.67	0.36
2025.06.06	Head	5250	21.5	4.56	37.10	4.71	35.93	-3.18	3.26
2025.06.07	Head	5600	21.4	5.12	35.36	5.07	35.53	0.99	-0.48
2025.06.09	Head	5750	21.2	5.05	35.59	5.22	35.36	-3.26	0.65
2025.06.10	Head	5750	21.3	5.23	35.55	5.22	35.36	0.19	0.54
2025.06.11	Head	6500	21.4	6.01	35.01	6.07	34.46	-0.99	1.60
2025.06.12	Head	6500	21.2	6.02	35.06	6.07	34.46	-0.82	1.74

Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$.

ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by SPEAG, the validation data should be within its specification of 10 %.

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.06.04	Head	2450	100	5.320	53.20	52.60	1.14
2025.06.05	Head	2450	100	5.430	54.30	52.60	3.23
2025.06.06	Head	5250	100	7.950	79.50	77.70	2.32
2025.06.07	Head	5600	100	8.530	85.30	81.30	4.92
2025.06.09	Head	5750	100	7.950	79.50	77.60	2.45
2025.06.10	Head	5750	100	7.890	78.90	77.60	1.68
2025.06.11	Head	6500	100	27.700	277.00	299.00	-7.36
2025.06.12	Head	6500	100	28.200	282.00	299.00	-5.69

Note: The tolerance limit of System validation $\pm 10\%$.

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.06.04	Head	2450	100	2.550	25.50	24.70	3.24
2025.06.05	Head	2450	100	2.590	25.90	24.70	4.86
2025.06.06	Head	5250	100	2.320	23.20	22.00	5.45
2025.06.07	Head	5600	100	2.490	24.90	23.10	7.79
2025.06.09	Head	5750	100	2.230	22.30	21.90	1.83
2025.06.10	Head	5750	100	2.180	21.80	21.90	-0.46
2025.06.11	Head	6500	100	5.260	52.60	55.20	-4.71
2025.06.12	Head	6500	100	5.310	53.10	55.20	-3.80

Note: The tolerance limit of System validation $\pm 10\%$.

Please refer the document "BL-SZ2550400-ASC-1.pdf".

ANNEX C TEST DATA

Please refer the document “BL-SZ2550400-ATD-1.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2550400-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2550400-AS-1.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2550400-AC-1.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “BL-SZ2550400-AT-1.pdf”.

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