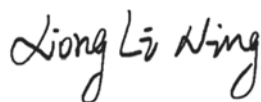


TEST REPORT

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: MediaTek
FCC ID: RAS-MT7922A12L
Test Standard: FCC 47 CFR Part 2.1093
(refer to section 3.1)
Maximum SAR: Body (1 g@0mm): 1.19 W/kg
Limb (10 g@0mm): 0.51 W/kg
Sample Arrival Date: Jul. 25, 2023
Test Date: Jul. 26, 2023 - Aug. 16, 2023
Date of Issue: Sep. 19, 2023

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining**Checked by:** Xu Rui**Approved by:** Tolan Tu

(Testing Director)



Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Sep. 06, 2023</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Sep. 19, 2023</u>	<u>Added Limb SAR</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 8APU1
Barnd Name	Lenovo

2.3.2 Antenna Information:

MT7922A12L

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	5.725-5.85 GHz	5.945-6.425 GHz	6.425-6.525 GHz	6.525-6.875 GHz	6.875-7.125 GHz
Main Antenna	F002C4512190001	INNOWAVE	PIFA	1.21	0.86	1.51	1.19	1.35	1.61	1.58	2.28	1.45
Auxiliary Antenna	F002C4512590002		PIFA	1.68	1.17	1.13	1.37	1.82	2.24	2.79	2.46	1.92
Main Antenna	3.6.04.0157	HUBBLE	PIFA	1.11	1.78	2.07	2.57	2.46	2.03	0.51	0.37	1.73
Auxiliary Antenna	3.6.04.0158		PIFA	-1.15	-0.98	-1.39	0.67	-0.45	0.29	-0.56	0.07	2.17

Note: The report only shown the antenna which matches the antenna with the highest antenna gain.

AC6956C

Antenna Port	Model Name	Antenna Manufacturer	Antenna Type	Antenna Gain (dBi)	
				2.4-2.45 GHz	2.45-2.5 GHz
Auxiliary Antenna	F002C4512T90001	INNOWAVE	PIFA	2.56	2.34
Auxiliary Antenna	3.6.04.0159	HUBBLE	PIFA	1.73	1.67

2.4 Ancillary Equipment

Note: Not application.

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, VHT20/40, 802.11ac and 802.11ax Band 1/2/3, 5.8G SRD, 6G SRD
-----------------------------------	---

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/n(HT20/HT40)	2412 MHz ~ 2472 MHz
	VHT20/40	2412 MHz ~ 2472 MHz
	802.11ax(HE20/HE40)	2412 MHz ~ 2472 MHz
	802.11a	5150 MHz ~ 5250 MHz
		5250 MHz ~ 5350 MHz
		5470 MHz ~ 5725 MHz
		5725 MHz ~ 5850 MHz
	802.11n(HT20/HT40)	5150 MHz ~ 5250 MHz
		5250 MHz ~ 5350 MHz
		5470 MHz ~ 5725 MHz
		5725 MHz ~ 5850 MHz
	802.11ac(VHT20/VHT40/VHT80)	5150 MHz ~ 5250 MHz
		5250 MHz ~ 5350 MHz
		5470 MHz ~ 5725 MHz
		5725 MHz ~ 5850 MHz
	802.11ax(HE20/HE40/HE80)	5150 MHz ~ 5250 MHz
		5250 MHz ~ 5350 MHz
		5470 MHz ~ 5725 MHz
		5725 MHz ~ 5850 MHz
	802.11ac(VHT160)/ax(HE160)	5150 MHz ~ 5250 MHz
		5250 MHz ~ 5350 MHz
		5470 MHz ~ 5725 MHz
	802.11a	5925 MHz ~ 6425 MHz
		6425 MHz ~ 6525 MHz
		6525 MHz ~ 6875 MHz
		6875 MHz ~ 7125 MHz
	802.11ax(HE20/HE40/HE80/HE160)	5925 MHz ~ 6425 MHz
		6425 MHz ~ 6525 MHz
		6525 MHz ~ 6875 MHz
		6875 MHz ~ 7125 MHz
	Bluetooth	2402 MHz ~ 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

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/IEEE Std. 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	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
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 D04v01r02	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)	Limb (0mm)	Body (0mm)	Limb (0mm)
DTS	2.4G WLAN	Aux.	1.07	0.51	1.19	0.51
	2.4G WLAN	Main	0.71	0.25		
U-NII-2A	5.3G WLAN	Aux.	0.70	0.24		
	5.3G WLAN	Main	1.17	0.39		
U-NII-2C	5.6G WLAN	Aux.	0.94	0.30		
	5.6G WLAN	Main	1.15	0.37		
U-NII-3	5.8G WLAN	Aux.	0.92	0.29		
	5.8G WLAN	Main	1.19	0.36		
U-NII-5/6/7/8	6G WLAN	Aux.	0.96	0.20		
	6G WLAN	Main	1.06	0.25		
DSSS	Bluetooth	Aux.	0.63	0.20		
Limit (W/kg)			1.60	4.00	1.60	4.00
Verdict			Pass			

3.3.2 Highest Simultaneous Transmission SAR Values (1 g&10 g Value)

Equipment Class	Maximum Report SAR (W/kg)		SPLSR
	Body(0mm)	Limb (0mm)	
	1g SAR	10g SAR	
DTS	0.97	0.757	/
NII	2.01	0.691	0.01
DSSS	2.01	0.691	0.01
Limit (W/Kg)	1.60	4.00	0.04
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 1.19 W/kg, which is lower than 1.5 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

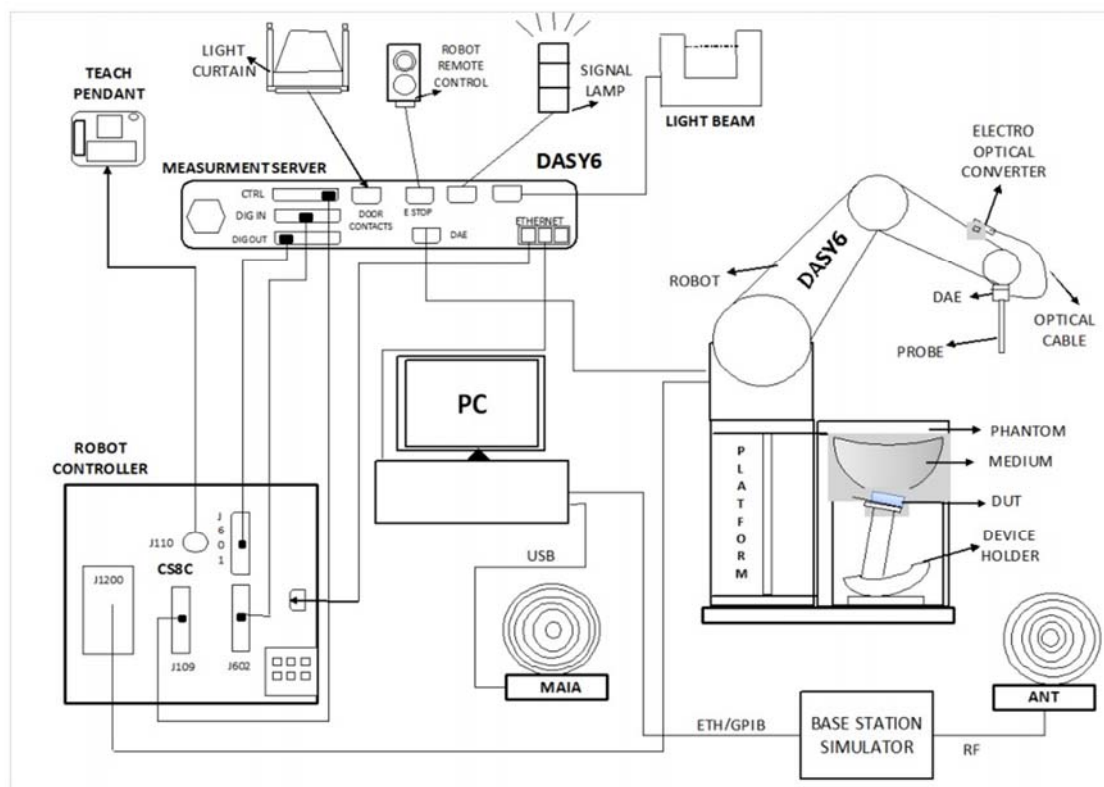
$$SAR = \frac{\sigma E^2}{\rho}$$

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

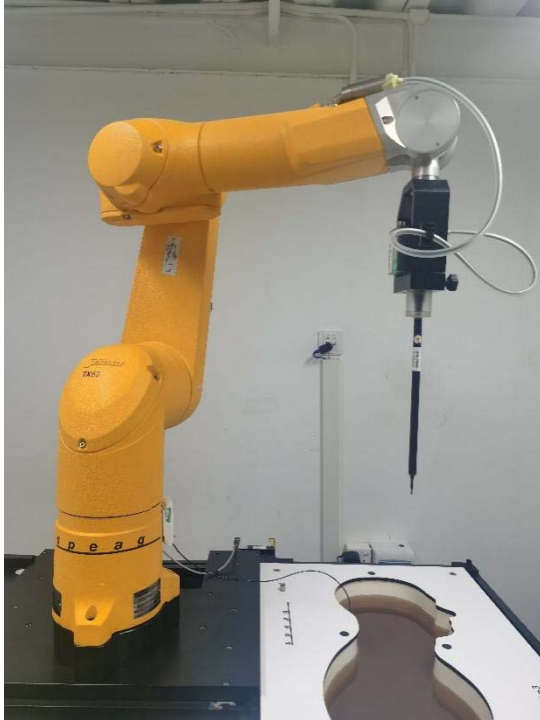


The DASY system for performing compliance tests consists of the following items:

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:7607 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

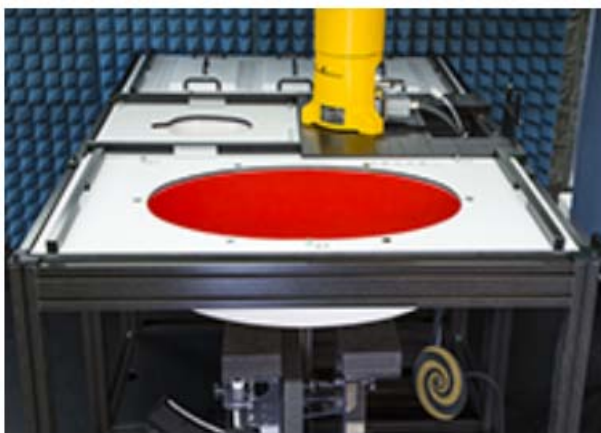
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through 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
- Common 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

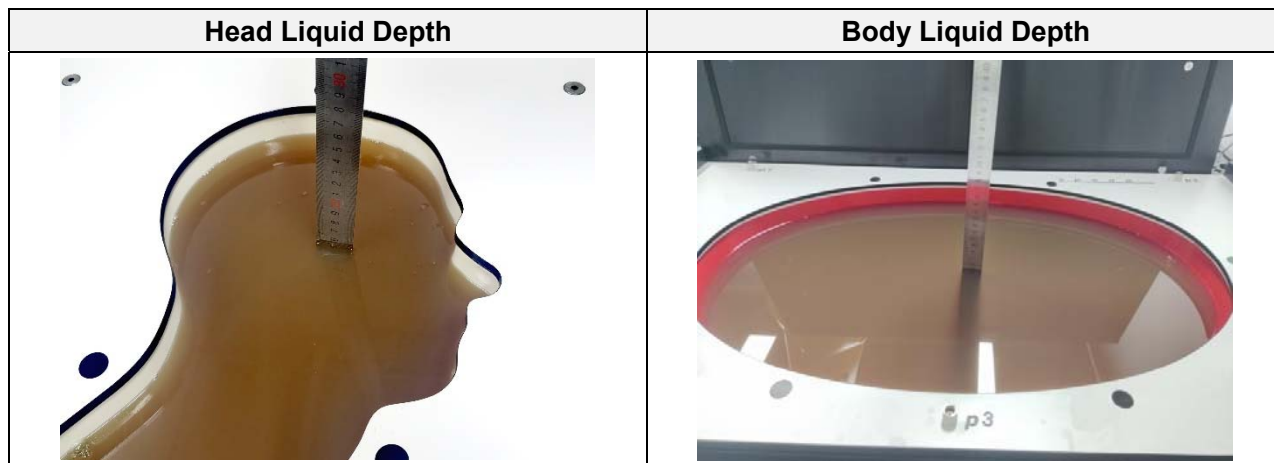
The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for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

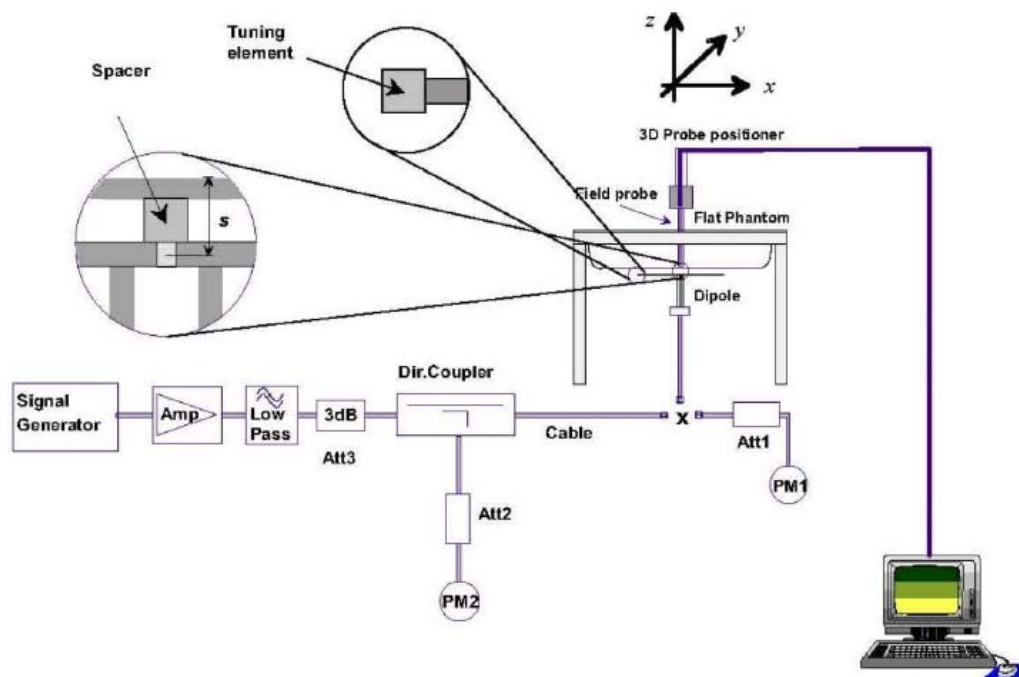
5 SYSTEM VERIFICATION

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 Tablet Exposure Condition

This DUT was tested in seven different positions. They are Front Side, Back Side, Left Edge, Left Edge Tilt, Right Edge, Right Edge Tilt, Top Edge in these positions, the surface of DUT is touching with phantom 0mm.

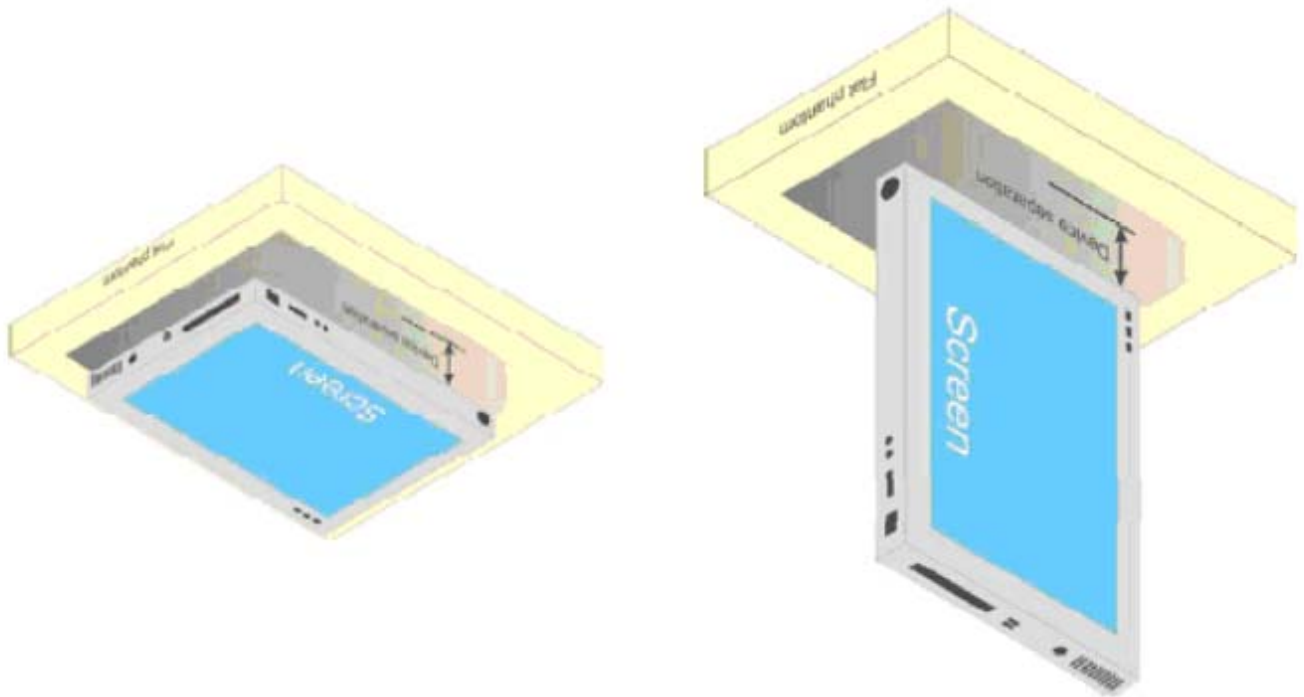
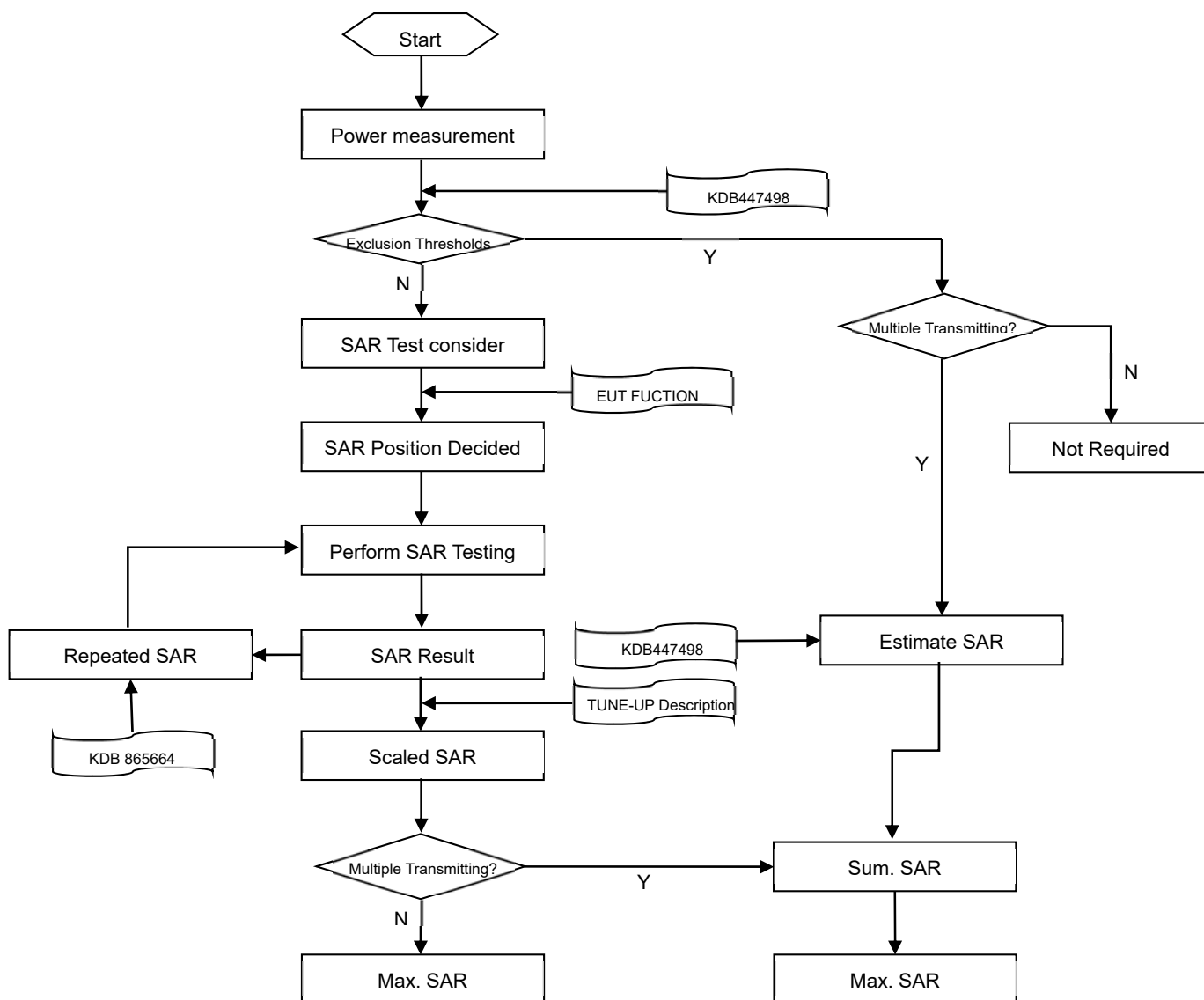


Fig Illustration for Lap-touching Position

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. 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	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ 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 WLAN 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 OUTPUT POWER

8.1 WIFI (Without Handle)

8.1.1 2.4G WIFI (Main Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.06	16.50	Yes
		6	2437	16.03	16.50	Yes
		11	2462	16.11	16.50	Yes
		12	2467	16.06	16.50	No
		13	2472	16.02	16.50	No
	802.11g	1	2412	16.18	16.50	No
		6	2437	16.48	16.50	No
		11	2462	16.31	16.50	No
		12	2467	14.78	15.00	No
		13	2472	11.83	12.00	No
	802.11n(HT20)	1	2412	16.31	16.50	No
		6	2437	16.20	16.50	No
		11	2462	16.33	16.50	No
		12	2467	13.75	14.00	No
		13	2472	9.98	10.00	No
	802.11n(HT40)	3	2422	15.65	16.00	No
		6	2437	16.24	16.50	No
		9	2452	15.95	16.00	No
		10	2457	12.56	13.00	No
		11	2462	9.72	10.00	No
	VHT20	1	2412	16.38	16.50	No
		6	2437	16.48	16.50	No
		11	2462	16.24	16.50	No
		12	2467	13.56	14.00	No
		13	2472	9.91	10.00	No
	VHT40	3	2422	15.83	16.00	No
		6	2437	16.30	16.50	No
		9	2452	15.86	16.00	No
		10	2457	12.55	13.00	No
		11	2462	9.80	10.00	No
	802.11ax(HE20)	1	2412	16.41	16.50	No
		6	2437	16.47	16.50	No
		11	2462	16.17	16.50	No

		12	2467	13.96	14.00	No
		13	2472	9.96	10.00	No
	802.11ax(HE40)	3	2422	15.86	16.00	No
		6	2437	16.49	16.50	No
		9	2452	15.84	16.00	No
		10	2457	12.96	13.00	No
		11	2462	9.61	10.00	No
	802.11ax(HE20) RU26	1	2412	16.13	16.50	No
		11	2462	16.40	16.50	No
		12	2467	13.61	14.00	No
		13	2472	10.72	11.00	No
	802.11ax(HE20) RU52	6	2437	16.32	16.50	No
	802.11ax(HE20) RU106	1	2412	16.26	16.50	No
		11	2462	16.41	16.50	No
		12	2467	15.79	16.00	No
		13	2472	11.51	12.00	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.712 * (44.67mW/44.67mW) = 0.712 W/Kg, so the 2.4G OFDM SAR test is not required.

8.1.2 2.4G WIFI (Aux. Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.15	16.50	Yes
		6	2437	16.20	16.50	Yes
		11	2462	16.32	16.50	Yes
		12	2467	16.06	16.50	No
		13	2472	16.04	16.50	No
	802.11g	1	2412	16.31	16.50	No
		6	2437	16.48	16.50	No
		11	2462	16.27	16.50	No
		12	2467	15.19	15.50	No
		13	2472	12.37	12.50	No
	802.11n(HT20)	1	2412	16.15	16.50	No
		6	2437	16.31	16.50	No
		11	2462	16.23	16.50	No
		12	2467	13.60	14.00	No
		13	2472	9.77	10.00	No
	802.11n(HT40)	3	2422	15.68	16.00	No
		6	2437	16.44	16.50	No
		9	2452	15.77	16.00	No
		10	2457	12.76	13.00	No
		11	2462	9.70	10.00	No
	VHT20	1	2412	16.03	16.50	No
		6	2437	16.14	16.50	No
		11	2462	16.48	16.50	No
		12	2467	13.76	14.00	No
		13	2472	9.57	10.00	No
	VHT40	3	2422	15.71	16.00	No
		6	2437	16.34	16.50	No
		9	2452	15.55	16.00	No
		10	2457	12.54	13.00	No
		11	2462	9.84	10.00	No
	802.11ax(HE20)	1	2412	16.05	16.50	No
		6	2437	16.09	16.50	No
		11	2462	16.32	16.50	No
		12	2467	13.96	14.00	No
		13	2472	9.89	10.00	No
	802.11ax(HE40)	3	2422	15.72	16.00	No

		6	2437	16.31	16.50	No
		9	2452	15.69	16.00	No
		10	2457	12.72	13.00	No
		11	2462	9.76	10.00	No
	802.11ax(HE20) RU26	1	2412	16.26	16.50	No
		11	2462	16.46	16.50	No
		12	2467	13.97	14.00	No
		13	2472	10.84	11.00	No
	802.11ax(HE20) RU52	6	2437	16.25	16.50	No
	802.11ax(HE20) RU106	1	2412	16.01	16.50	No
		11	2462	16.33	16.50	No
		12	2467	14.72	15.00	No
		13	2472	11.98	12.00	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.971 * (44.67mW/44.67mW) = 0.971 W/Kg, so the 2.4G OFDM SAR test is not required.

8.1.3 5G WIFI (Main Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.08	10.50	No
		40	5200	10.48	10.50	No
		48	5240	10.38	10.50	No
	802.11n(HT20)	36	5180	10.22	10.50	No
		40	5200	10.18	10.50	No
		48	5240	10.16	10.50	No
	802.11n(HT40)	38	5190	10.43	10.50	No
		46	5230	10.28	10.50	No
	802.11ac(VHT20)	36	5180	10.10	10.50	No
		40	5200	10.30	10.50	No
		48	5240	10.13	10.50	No
	802.11ac(VHT40)	38	5190	10.20	10.50	No
		46	5230	10.23	10.50	No
	802.11ac(VHT80)	42	5210	10.49	10.50	No
	802.11ac(VHT160)	50	5250	9.63	10.00	No
	802.11ax(HE20)	36	5180	10.33	10.50	No
		40	5200	10.31	10.50	No
		48	5240	10.04	10.50	No
	802.11ax(HE40)	38	5190	10.02	10.50	No
		46	5230	10.32	10.50	No
	802.11ax(HE80)	42	5210	10.18	10.50	No
	802.11ax(HE160)	50	5250	10.14	10.50	No
	802.11ax(HE20) RU26	36	5180	10.10	10.50	No
	802.11ax(HE20) RU52	48	5240	10.17	10.50	No
	802.11ax(HE20) RU106	36	5180	10.43	10.50	No
5.3 (5.25~5.35)	802.11a	52	5260	10.02	10.50	No
		60	5300	10.16	10.50	No
		64	5320	10.35	10.50	No
	802.11n(HT20)	52	5260	10.07	10.50	No
		60	5300	10.43	10.50	No
		64	5320	10.49	10.50	No
	802.11n(HT40)	54	5270	10.21	10.50	No
		62	5310	10.49	10.50	No
	802.11ac(VHT20)	52	5260	10.40	10.50	No

		60	5300	10.45	10.50	No
		64	5320	10.37	10.50	No
	802.11ac(VHT40)	54	5270	10.10	10.50	No
		62	5310	10.30	10.50	No
	802.11ac(VHT80)	58	5290	10.15	10.50	Yes
	802.11ac(VHT160)	50	5250	9.97	10.50	No
	802.11ax(HE20)	52	5260	10.45	10.50	No
		60	5300	10.15	10.50	No
		64	5320	10.41	10.50	No
	802.11ax(HE40)	54	5270	10.43	10.50	No
		62	5310	10.09	10.50	No
	802.11ax(HE80)	58	5290	10.45	10.50	No
	802.11ax(HE160)	50	5250	10.29	10.50	No
	802.11ax(HE20) RU26	64	5320	10.39	10.50	No
	802.11ax(HE20) RU106	64	5320	10.44	10.50	No
5.6 (5.47~5.725)	802.11a	100	5500	9.21	10.50	No
		116	5580	9.24	10.50	No
		140	5700	9.24	10.50	No
		144	5720	9.37	10.50	No
	802.11n(HT20)	100	5500	9.48	10.50	No
		116	5580	9.47	10.50	No
		140	5700	9.29	10.50	No
		144	5720	9.28	10.50	No
	802.11n(HT40)	102	5510	9.21	10.50	No
		110	5550	9.18	10.50	No
		134	5670	9.49	10.50	No
		142	5710	9.68	10.5	No
	802.11ac(VHT20)	100	5500	9.29	10.50	No
		116	5580	9.03	10.50	No
		140	5700	9.14	10.50	No
		144	5720	9.29	10.50	No
	802.11ac(VHT40)	102	5510	9.12	10.50	No
		110	5550	9.14	10.50	No
		134	5670	9.27	10.50	No
		142	5710	9.82	10.50	No
	802.11ac(VHT80)	106	5530	9.19	10.50	Yes
		122	5610	9.38	10.50	Yes
		138	5690	9.32	10.50	Yes

	802.11ac(VHT160)	114	5570	9.21	10.50	No
	802.11ax(HE20)	100	5500	9.47	10.50	No
		116	5580	9.48	10.50	No
		140	5700	9.13	10.50	No
		144	5720	9.03	10.50	No
	802.11ax(HE40)	102	5510	9.32	10.50	No
		110	5550	9.31	10.50	No
		134	5670	9.05	10.50	No
		142	5710	9.26	10.50	No
	802.11ax(HE80)	106	5530	9.18	10.50	No
		122	5610	9.43	10.50	No
		138	5690	9.75	10.50	No
	802.11ax(HE160)	114	5570	9.00	10.50	No
	802.11ax(HE20) RU26	100	5500	9.10	10.50	No
		140	5700	9.13	10.50	No
	802.11ax(HE20) RU106	100	5500	9.31	10.50	No
		140	5700	9.08	10.50	No
5.8 (5.725~5.85)	802.11a	149	5745	9.87	10.00	No
		157	5785	9.68	10.00	No
		165	5825	9.58	10.00	No
	802.11n(HT20)	149	5745	9.73	10.00	No
		157	5785	9.73	10.00	No
		165	5825	9.58	10.00	No
	802.11n(HT40)	151	5755	9.94	10.00	No
		159	5795	9.51	10.00	No
	802.11ac(VHT20)	149	5745	9.91	10.00	No
		157	5785	9.50	10.00	No
		165	5825	9.79	10.00	No
	802.11ac(VHT40)	151	5755	9.53	10.00	No
		159	5795	9.66	10.00	No
	802.11ac(VHT80)	155	5775	9.81	10.00	Yes
	802.11ax(HE20)	149	5745	9.60	10.00	No
		157	5785	9.91	10.00	No
		165	5825	9.76	10.00	No
	802.11ax(HE40)	151	5755	9.87	10.00	No
		159	5795	9.97	10.00	No
	802.11ax(HE80)	155	5775	9.68	10.00	No
	802.11ax(HE20) RU26	149	5745	9.85	10.00	No
		165	5825	9.93	10.00	No

	802.11ax(HE20) RU52	165	5825	9.78	10.00	No
	802.11ax(HE20) RU106	149	5745	9.58	10.00	No
		165	5825	9.51	10.00	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

8.1.4 5G WIFI (Aux. Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.07	10.50	No
		40	5200	10.48	10.50	No
		48	5240	10.37	10.50	No
	802.11n(HT20)	36	5180	10.49	10.50	No
		40	5200	10.26	10.50	No
		48	5240	10.41	10.50	No
	802.11n(HT40)	38	5190	10.41	10.50	No
		46	5230	10.47	10.50	No
	802.11ac(VHT20)	36	5180	10.15	10.50	No
		40	5200	10.37	10.50	No
		48	5240	10.05	10.50	No
	802.11ac(VHT40)	38	5190	10.19	10.50	No
		46	5230	10.13	10.50	No
	802.11ac(VHT80)	42	5210	10.14	10.50	No
	802.11ac(VHT160)	50	5250	9.92	10.00	No
	802.11ax(HE20)	36	5180	10.11	10.50	No
		40	5200	10.33	10.50	No
		48	5240	10.04	10.50	No
	802.11ax(HE40)	38	5190	10.14	10.50	No
		46	5230	10.31	10.50	No
	802.11ax(HE80)	42	5210	10.22	10.50	No
	802.11ax(HE160)	50	5250	10.33	10.50	No
5.3 (5.25~5.35)	802.11a	52	5260	10.23	10.50	No
		60	5300	10.21	10.50	No
		64	5320	10.19	10.50	No
		144	5720	10.28	10.50	No
	802.11n(HT20)	52	5260	10.35	10.50	No
		60	5300	10.08	10.50	No
		64	5320	10.05	10.50	No
		144	5720	10.23	10.50	No
	802.11n(HT40)	54	5270	10.04	10.50	No

		62	5310	10.45	10.50	No
		142	5710	10.24	10.50	No
	802.11ac(VHT20)	52	5260	10.02	10.50	No
		60	5300	10.09	10.50	No
		64	5320	10.17	10.50	No
		144	5720	10.45	10.50	No
	802.11ac(VHT40)	54	5270	10.26	10.50	No
		62	5310	10.42	10.50	No
		142	5710	10.13	10.50	No
	802.11ac(VHT80)	58	5290	10.36	10.50	Yes
	802.11ac(VHT160)	50	5250	10.40	10.50	No
	802.11ax(HE20)	52	5260	10.00	10.50	No
		60	5300	10.47	10.50	No
		64	5320	10.47	10.50	No
		144	5720	10.31	10.50	No
	802.11ax(HE40)	54	5270	10.37	10.50	No
		62	5310	10.47	10.50	No
		142	5710	10.07	10.50	No
	802.11ax(HE80)	58	5290	10.28	10.50	No
		138	5690	10.45	10.50	No
	802.11ax(HE160)	50	5250	10.02	10.50	No
	802.11ax(HE20) RU26	64	5320	10.25	10.50	No
	802.11ax(HE20) RU106	64	5320	10.26	10.50	No
5.6 (5.47~5.725)	802.11a	100	5500	9.15	10.50	No
		116	5580	9.24	10.50	No
		140	5700	9.29	10.50	No
		144	5720	9.19	10.50	No
	802.11n(HT20)	100	5500	9.18	10.50	No
		116	5580	9.48	10.50	No
		140	5700	9.43	10.50	No
		144	5720	9.26	10.50	No
	802.11n(HT40)	102	5510	9.41	10.50	No
		110	5550	9.01	10.50	No
		134	5670	9.31	10.50	No
		142	5710	10.07	10.50	No
	802.11ac(VHT20)	100	5500	9.41	10.50	No
		116	5580	9.14	10.50	No
		140	5700	9.39	10.50	No

		144	5720	9.32	10.50	No
	802.11ac(VHT40)	102	5510	9.31	10.50	No
		110	5550	9.36	10.50	No
		134	5670	9.17	10.50	No
		142	5710	9.85	10.50	No
	802.11ac(VHT80)	106	5530	9.15	10.50	Yes
		122	5610	9.19	10.50	Yes
		138	5690	9.11	10.50	Yes
	802.11ac(VHT160)	114	5570	9.19	10.50	No
	802.11ax(HE20)	100	5500	9.43	10.50	No
		116	5580	9.22	10.50	No
		140	5700	9.26	10.50	No
		144	5720	9.35	10.50	No
	802.11ax(HE40)	102	5510	9.26	10.50	No
		110	5550	9.39	10.50	No
		134	5670	9.39	10.50	No
		142	5710	9.57	10.50	No
	802.11ax(HE80)	106	5530	9.25	10.50	No
		122	5610	9.07	10.50	No
		138	5690	9.52	10.50	No
	802.11ax(HE160)	114	5570	9.46	10.50	No
	802.11ax(HE20) RU26	100	5500	9.10	10.50	No
		140	5700	9.35	10.50	No
	802.11ax(HE20) RU106	100	5500	9.44	10.50	No
		140	5700	9.40	10.50	No
5.8 (5.725~5.85)	802.11a	149	5745	9.66	10.00	No
		157	5785	9.95	10.00	No
		165	5825	9.86	10.00	No
	802.11n(HT20)	149	5745	9.57	10.00	No
		157	5785	9.77	10.00	No
		165	5825	9.77	10.00	No
	802.11n(HT40)	151	5755	9.74	10.00	No
		159	5795	9.56	10.00	No
	802.11ac(VHT20)	149	5745	9.63	10.00	No
		157	5785	9.91	10.00	No
		165	5825	9.85	10.00	No
	802.11ac(VHT40)	151	5755	9.56	10.00	No
		159	5795	9.90	10.00	No
	802.11ac(VHT80)	155	5775	9.71	10.00	Yes

	802.11ax(HE20)	149	5745	9.66	10.00	No
		157	5785	9.94	10.00	No
		165	5825	9.60	10.00	No
	802.11ax(HE40)	151	5755	9.54	10.00	No
		159	5795	9.68	10.00	No
	802.11ax(HE80)	155	5775	9.85	10.00	No
	802.11ax(HE20) RU26	149	5745	9.62	10.00	No
		165	5825	9.63	10.00	No
	802.11ax(HE20) RU52	165	5825	9.58	10.00	No
		165	5825	9.58	10.00	No
	802.11ax(HE20) RU106	149	5745	9.77	10.00	No
		165	5825	9.60	10.00	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

8.1.5 6G WIFI (Main Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11a	1	5955	0.97	1.00	No
		45	6175	0.88	1.00	No
		93	6415	0.95	1.00	No
		97	6435	0.78	1.00	No
		105	6475	0.85	1.00	No
		113	6515	1.21	1.50	No
		117	6535	0.99	1.00	No
		153	6715	0.81	1.00	No
		181	6855	1.49	1.50	No
		185	6875	1.47	1.50	No
		213	7015	0.53	1.00	No
		233	7115	0.63	1.00	No
	802.11ax(HE20)	1	5955	0.60	1.00	No
		45	6175	0.51	1.00	No
		93	6415	1.13	1.50	No
		97	6435	1.47	1.50	No
		105	6475	1.27	1.50	No
		113	6515	1.44	1.50	No
		117	6535	1.29	1.50	No
		153	6715	0.91	1.00	No
		181	6855	0.63	1.00	No
		185	6875	0.54	1.00	No
		213	7015	0.61	1.00	No
		233	7115	0.98	1.00	No
	802.11ax(HE40)	3	5965	4.40	4.50	No
		43	6165	4.04	4.50	No
		91	6405	4.30	4.50	No
		99	6445	4.13	4.50	No
		107	6485	4.34	4.50	No
		115	6525	4.35	4.50	No
		123	6565	4.36	4.50	No
		155	6725	4.02	4.50	No
		179	6845	4.25	4.50	No
		187	6885	4.35	4.50	No
		211	7005	4.28	4.50	No
		227	7085	4.00	4.50	No

	802.11ax(HE80)	7	5985	6.97	7.00	No
		39	6145	6.78	7.00	No
		87	6385	6.78	7.00	No
		103	6465	6.86	7.00	No
		119	6545	6.77	7.00	No
		135	6625	6.87	7.00	No
		151	6705	6.91	7.00	No
		167	6785	6.99	7.00	No
		183	6865	6.68	7.00	No
		199	6945	6.78	7.00	No
		215	7025	6.70	7.00	No
	802.11ax(HE160)	15	6025	9.49	9.50	Yes
		47	6185	9.34	9.50	Yes
		79	6345	9.39	9.50	Yes
		111	6505	9.38	9.50	Yes
		143	6665	9.00	9.50	Yes
		175	6825	9.48	9.50	Yes
		207	6985	9.03	9.50	Yes
	RU-26/0	1	5955	-7.42	-7.00	No
	RU-26/8	93	6415	-7.22	-7.00	No
	RU-26/0	97	6435	-7.41	-7.00	No
	RU-26/0	117	6535	-7.18	-7.00	No
	RU-26/8	181	6855	-7.40	-7.00	No
	RU-26/8	213	7015	-7.25	-7.00	No
	RU-52/37	1	5955	-4.17	-4.00	No
	RU-52/40	93	6415	-4.18	-4.00	No
	RU-52/37	97	6435	-4.10	-4.00	No
	RU-52/37	117	6535	-4.23	-4.00	No
	RU-52/40	181	6855	-4.05	-4.00	No
	RU-52/40	213	7015	-4.21	-4.00	No
	RU-106/53	1	5955	-1.30	-1.00	No
	RU-106/54	93	6415	-1.16	-1.00	No
	RU-106/53	97	6435	-1.13	-1.00	No
	RU-106/53	117	6535	-1.28	-1.00	No
	RU-106/54	181	6855	-1.42	-1.00	No
	RU-106/54	213	7015	-1.30	-1.00	No

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

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

8.1.6 6G WIFI (Aux. Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11a	1	5955	-0.05	1.00	No
		45	6175	0.55	1.00	No
		93	6415	0.64	1.00	No
		97	6435	0.94	1.00	No
		105	6475	0.80	1.00	No
		113	6515	0.79	1.00	No
		117	6535	0.82	1.00	No
		153	6715	0.97	1.00	No
		181	6855	0.67	1.00	No
		185	6875	0.87	1.00	No
		213	7015	0.71	1.00	No
		233	7115	0.97	1.00	No
	802.11ax(HE20)	1	5955	0.98	1.00	No
		45	6175	0.70	1.00	No
		93	6415	0.68	1.00	No
		97	6435	1.41	1.50	No
		105	6475	0.53	1.00	No
		113	6515	1.30	1.50	No
		117	6535	1.38	1.50	No
		153	6715	1.33	1.50	No
		181	6855	0.57	1.00	No
		185	6875	1.03	1.50	No
		213	7015	1.96	2.00	No
		233	7115	1.57	2.00	No
	802.11ax(HE40)	3	5965	4.11	4.50	No
		43	6165	4.49	4.50	No
		91	6405	4.02	4.50	No
		99	6445	4.22	4.50	No
		107	6485	4.47	4.50	No
		115	6525	4.27	4.50	No
		123	6565	4.29	4.50	No
		155	6725	4.05	4.50	No
		179	6845	4.45	4.50	No
		187	6885	4.38	4.50	No
		211	7005	4.46	4.50	No
		227	7085	4.18	4.50	No

	802.11ax(HE80)	7	5985	6.53	7.00	No
		39	6145	6.59	7.00	No
		87	6385	6.60	7.00	No
		103	6465	6.91	7.00	No
		119	6545	6.81	7.00	No
		135	6625	6.97	7.00	No
		151	6705	6.54	7.00	No
		167	6785	6.57	7.00	No
		183	6865	6.90	7.00	No
		199	6945	6.92	7.00	No
		215	7025	6.87	7.00	No
	802.11ax(HE160)	15	6025	9.11	9.50	Yes
		47	6185	9.10	9.50	Yes
		79	6345	9.45	9.50	Yes
		111	6505	9.01	9.50	Yes
		143	6665	9.14	9.50	Yes
		175	6825	9.40	9.50	Yes
		207	6985	9.38	9.50	Yes
	RU-26/0	1	5955	-7.25	-7.00	No
	RU-26/8	93	6415	-7.38	-7.00	No
	RU-26/0	97	6435	-7.02	-7.00	No
	RU-26/0	117	6535	-7.24	-7.00	No
	RU-26/8	181	6855	-7.36	-7.00	No
	RU-26/8	213	7015	-7.48	-7.00	No
	RU-52/37	1	5955	-4.08	-4.00	No
	RU-52/40	93	6415	-4.19	-4.00	No
	RU-52/37	97	6435	-4.01	-4.00	No
	RU-52/37	117	6535	-4.48	-4.00	No
	RU-52/40	181	6855	-4.16	-4.00	No
	RU-52/40	213	7015	-4.02	-4.00	No
	RU-106/53	1	5955	-1.20	-1.00	No
	RU-106/54	93	6415	-1.42	-1.00	No
	RU-106/53	97	6435	-1.09	-1.00	No
	RU-106/53	117	6535	-1.36	-1.00	No
	RU-106/54	181	6855	-1.09	-1.00	No
	RU-106/54	213	7015	-1.41	-1.00	No

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

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

8.2 WIFI (Strap Handle)

8.2.1 2.4G WIFI (Main Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.96	21.00	Yes
		6	2437	20.34	21.00	Yes
		11	2462	19.87	21.00	Yes
		12	2467	17.12	18.00	No
		13	2472	16.53	18.00	No
	802.11g	1	2412	17.45	18.00	No
		6	2437	19.06	20.00	No
		11	2462	17.00	18.00	No
		12	2467	14.11	15.00	No
		13	2472	11.22	12.00	No
	802.11n(HT20)	1	2412	16.17	18.00	No
		6	2437	19.24	20.00	No
		11	2462	16.03	17.50	No
		12	2467	13.20	14.00	No
		13	2472	9.45	10.00	No
	802.11n(HT40)	3	2422	15.39	16.00	No
		6	2437	16.17	17.00	No
		9	2452	15.01	16.00	No
		10	2457	12.32	13.00	No
		11	2462	9.28	10.00	No
	VHT20	1	2412	16.07	18.00	No
		6	2437	19.31	20.00	No
		11	2462	16.08	17.50	No
		12	2467	13.10	14.00	No
		13	2472	9.15	10.00	No
	VHT40	3	2422	15.18	16.00	No
		6	2437	16.26	17.00	No
		9	2452	15.07	16.00	No
		10	2457	12.30	13.00	No
		11	2462	9.32	10.00	No
	802.11ax(HE20)	1	2412	16.50	18.00	No
		6	2437	19.45	20.00	No
		11	2462	16.24	17.50	No
		12	2467	13.14	14.00	No
		13	2472	9.08	10.00	No

	802.11ax(HE40)	3	2422	15.12	16.00	No
		6	2437	16.17	17.00	No
		9	2452	15.16	16.00	No
		10	2457	12.41	13.00	No
		11	2462	9.40	10.00	No
	802.11ax(HE20) RU26	1	2412	16.10	17.00	No
		11	2462	16.50	17.00	No
		12	2467	13.23	14.00	No
		13	2472	10.45	11.00	No
	802.11ax(HE20) RU52	6	2437	19.29	20.00	No
	802.11ax(HE20) RU106	1	2412	17.21	18.00	No
		11	2462	17.31	18.00	No
		12	2467	15.30	16.00	No
		13	2472	11.50	12.00	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = $0.523 * (100.00\text{mW}/125.89\text{mW}) = 0.415$ W/Kg, so the 2.4G OFDM SAR test is not required.

8.2.2 2.4G WIFI (Aux. Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.61	21.00	Yes
		6	2437	20.46	21.00	Yes
		11	2462	19.56	21.00	Yes
		12	2467	17.04	18.00	No
		13	2472	16.34	18.00	No
	802.11g	1	2412	17.15	18.00	No
		6	2437	19.36	20.00	No
		11	2462	17.55	18.50	No
		12	2467	14.75	15.50	No
		13	2472	11.70	12.50	No
	802.11n(HT20)	1	2412	17.47	18.00	No
		6	2437	19.50	20.50	No
		11	2462	17.81	18.50	No
		12	2467	13.05	14.00	No
		13	2472	9.21	10.00	No
	802.11n(HT40)	3	2422	15.19	16.00	No
		6	2437	16.42	17.00	No
		9	2452	15.24	16.00	No
		10	2457	12.47	13.00	No
		11	2462	9.40	10.00	No
	VHT20	1	2412	16.19	18.00	No
		6	2437	19.50	20.50	No
		11	2462	17.62	18.50	No
		12	2467	13.45	14.00	No
		13	2472	9.03	10.00	No
	VHT40	3	2422	15.38	16.00	No
		6	2437	16.38	17.00	No
		9	2452	15.31	16.00	No
		10	2457	12.06	13.00	No
		11	2462	9.49	10.00	No
	802.11ax(HE20)	1	2412	16.18	18.00	No
		6	2437	19.26	20.50	No
		11	2462	17.59	18.50	No
		12	2467	13.02	14.00	No
		13	2472	9.18	10.00	No
	802.11ax(HE40)	3	2422	15.01	16.00	No

		6	2437	16.43	17.00	No
		9	2452	15.12	16.00	No
		10	2457	12.06	13.00	No
		11	2462	9.05	10.00	No
	802.11ax(HE20) RU26	1	2412	16.36	17.00	No
		11	2462	16.05	17.00	No
		12	2467	13.42	14.00	No
		13	2472	10.10	11.00	No
	802.11ax(HE20) RU52	6	2437	19.19	20.00	No
	802.11ax(HE20) RU106	1	2412	17.04	18.00	No
		11	2462	17.00	18.00	No
		12	2467	14.27	15.00	No
		13	2472	11.03	12.00	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 1.073 * (112.20mW/125.89mW) = 0.956 W/Kg, so the 2.4G OFDM SAR test is not required.

8.2.3 5G WIFI (Main Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.87	16.00	No
		40	5200	14.65	16.00	No
		48	5240	14.72	16.00	No
	802.11n(HT20)	36	5180	14.94	16.00	No
		40	5200	14.85	16.00	No
		48	5240	14.69	16.00	No
	802.11n(HT40)	38	5190	14.75	16.00	No
		46	5230	15.05	16.00	No
	802.11ac(VHT20)	36	5180	14.88	16.00	No
		40	5200	14.81	16.00	No
		48	5240	14.80	16.00	No
	802.11ac(VHT40)	38	5190	14.61	16.00	No
		46	5230	14.57	16.00	No
	802.11ac(VHT80)	42	5210	12.18	13.00	No
	802.11ac(VHT160)	50	5250	9.22	10.00	No
	802.11ax(HE20)	36	5180	15.02	16.00	No
		40	5200	14.88	16.00	No
		48	5240	15.02	16.00	No
	802.11ax(HE40)	38	5190	14.88	16.00	No
		46	5230	14.90	16.00	No
	802.11ax(HE80)	42	5210	12.10	13.00	No
	802.11ax(HE160)	50	5250	10.14	11.00	No
	802.11ax(HE20) RU26	36	5180	10.06	11.00	No
	802.11ax(HE20) RU52	48	5240	13.16	14.00	No
	802.11ax(HE20) RU106	36	5180	14.62	16.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.77	16.00	No
		60	5300	14.83	16.00	No
		64	5320	14.61	16.00	No
	802.11n(HT20)	52	5260	14.70	16.00	No
		60	5300	14.57	16.00	No
		64	5320	14.88	16.00	No
	802.11n(HT40)	54	5270	15.47	16.00	Yes
		62	5310	15.06	16.00	Yes
	802.11ac(VHT20)	52	5260	15.05	16.00	No

		60	5300	15.01	16.00	No
		64	5320	14.83	16.00	No
	802.11ac(VHT40)	54	5270	14.77	16.00	No
		62	5310	14.79	16.00	No
	802.11ac(VHT80)	58	5290	14.52	15.00	No
	802.11ac(VHT160)	50	5250	11.49	12.00	No
	802.11ax(HE20)	52	5260	14.88	16.00	No
		60	5300	14.67	16.00	No
		64	5320	14.99	16.00	No
	802.11ax(HE40)	54	5270	14.59	16.00	No
		62	5310	15.01	16.00	No
	802.11ax(HE80)	58	5290	14.52	15.00	No
	802.11ax(HE160)	50	5250	10.11	11.00	No
	802.11ax(HE20) RU26	64	5320	10.51	11.00	No
	802.11ax(HE20) RU106	64	5320	15.02	16.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.00	15.50	No
		116	5580	15.02	15.50	No
		140	5700	14.55	15.50	No
		144	5720	14.39	15.50	No
	802.11n(HT20)	100	5500	15.02	15.50	No
		116	5580	14.65	15.50	No
		140	5700	14.69	15.50	No
		144	5720	14.85	15.50	No
	802.11n(HT40)	102	5510	14.83	15.50	No
		110	5550	14.63	15.50	No
		134	5670	14.56	15.50	No
		142	5710	14.71	15.50	No
	802.11ac(VHT20)	100	5500	14.89	15.50	No
		116	5580	14.66	15.50	No
		140	5700	14.95	15.50	No
		144	5720	15.06	15.50	No
	802.11ac(VHT40)	102	5510	14.59	15.50	No
		110	5550	14.62	15.50	No
		134	5670	14.55	15.50	No
		142	5710	15.16	15.50	No
	802.11ac(VHT80)	106	5530	15.09	15.50	Yes
		122	5610	15.03	15.50	Yes
		138	5690	15.15	15.50	Yes

	802.11ac(VHT160)	114	5570	12.25	13.00	No
	802.11ax(HE20)	100	5500	14.62	15.50	No
		116	5580	14.78	15.50	No
		140	5700	15.01	15.50	No
		144	5720	14.96	15.50	No
	802.11ax(HE40)	102	5510	14.84	15.50	No
		110	5550	14.63	15.50	No
		134	5670	14.74	15.50	No
		142	5710	15.08	15.50	No
	802.11ax(HE80)	106	5530	14.87	15.50	No
		122	5610	14.61	15.50	No
		138	5690	15.05	15.50	No
	802.11ax(HE160)	114	5570	12.34	13.00	No
	802.11ax(HE20) RU26	100	5500	10.27	11.00	No
		140	5700	10.14	11.00	No
	802.11ax(HE20) RU106	100	5500	14.42	15.00	No
		140	5700	14.40	15.00	No
5.8 (5.725~5.85)	802.11a	149	5745	14.64	16.00	No
		157	5785	15.03	16.00	No
		165	5825	14.75	16.00	No
	802.11n(HT20)	149	5745	14.96	16.00	No
		157	5785	14.55	16.00	No
		165	5825	14.66	16.00	No
	802.11n(HT40)	151	5755	14.96	16.00	No
		159	5795	14.85	16.00	No
	802.11ac(VHT20)	149	5745	14.74	16.00	No
		157	5785	14.68	16.00	No
		165	5825	14.83	16.00	No
	802.11ac(VHT40)	151	5755	14.64	16.00	No
		159	5795	14.91	16.00	No
	802.11ac(VHT80)	155	5775	14.80	16.00	Yes
	802.11ax(HE20)	149	5745	14.78	16.00	No
		157	5785	14.98	16.00	No
		165	5825	14.86	16.00	No
	802.11ax(HE40)	151	5755	14.83	16.00	No
		159	5795	14.80	16.00	No
	802.11ax(HE80)	155	5775	14.87	16.00	No
	802.11ax(HE20) RU26	149	5745	15.03	16.00	No
		165	5825	15.03	16.00	No

	802.11ax(HE20) RU52	165	5825	15.05	16.00	No
	802.11ax(HE20) RU106	149	5745	14.98	16.00	No
		165	5825	14.82	16.00	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

8.2.4 5G WIFI (Aux. Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.77	16.00	No
		40	5200	15.10	16.00	No
		48	5240	15.03	16.00	No
	802.11n(HT20)	36	5180	14.64	16.00	No
		40	5200	14.93	16.00	No
		48	5240	14.60	16.00	No
	802.11n(HT40)	38	5190	14.76	16.00	No
		46	5230	14.97	16.00	No
	802.11ac(VHT20)	36	5180	14.77	16.00	No
		40	5200	15.02	16.00	No
		48	5240	14.74	16.00	No
	802.11ac(VHT40)	38	5190	14.78	16.00	No
		46	5230	15.10	16.00	No
	802.11ac(VHT80)	42	5210	12.53	13.00	No
	802.11ac(VHT160)	50	5250	9.56	10.00	No
	802.11ax(HE20)	36	5180	15.01	16.00	No
		40	5200	14.76	16.00	No
		48	5240	14.62	16.00	No
	802.11ax(HE40)	38	5190	14.75	16.00	No
		46	5230	14.69	16.00	No
	802.11ax(HE80)	42	5210	12.18	13.00	No
	802.11ax(HE160)	50	5250	10.11	11.00	No
	802.11ax(HE20) RU26	36	5180	10.51	11.00	No
	802.11ax(HE20) RU52	48	5240	13.43	14.00	No
	802.11ax(HE20) RU106	36	5180	14.69	16.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.78	16.00	No
		60	5300	14.79	16.00	No
		64	5320	15.10	16.00	No
	802.11n(HT20)	52	5260	14.78	16.00	No
		60	5300	14.95	16.00	No
		64	5320	14.82	16.00	No
	802.11n(HT40)	54	5270	15.38	16.00	Yes
		62	5310	15.16	16.00	Yes
	802.11ac(VHT20)	52	5260	15.01	16.00	No

		60	5300	14.70	16.00	No
		64	5320	14.62	16.00	No
	802.11ac(VHT40)	54	5270	14.79	16.00	No
		62	5310	15.09	16.00	No
	802.11ac(VHT80)	58	5290	14.57	15.00	No
	802.11ac(VHT160)	50	5250	10.57	12.00	No
	802.11ax(HE20)	52	5260	14.93	16.00	No
		60	5300	14.73	16.00	No
		64	5320	15.03	16.00	No
	802.11ax(HE40)	54	5270	15.02	16.00	No
		62	5310	15.01	16.00	No
	802.11ax(HE80)	58	5290	14.26	15.00	No
	802.11ax(HE160)	50	5250	10.21	11.00	No
	802.11ax(HE20) RU26	64	5320	10.29	11.00	No
	802.11ax(HE20) RU106	64	5320	14.93	16.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.68	15.50	No
		116	5580	15.04	15.50	No
		140	5700	14.62	15.50	No
		144	5720	14.95	15.50	No
	802.11n(HT20)	100	5500	15.10	15.50	No
		116	5580	15.08	15.50	No
		140	5700	14.87	15.50	No
		144	5720	14.60	15.50	No
	802.11n(HT40)	102	5510	14.94	15.50	No
		110	5550	15.05	15.50	No
		134	5670	15.04	15.50	No
		142	5710	14.55	15.50	No
	802.11ac(VHT20)	100	5500	14.90	15.50	No
		116	5580	14.81	15.50	No
		140	5700	14.97	15.50	No
		144	5720	15.11	15.50	No
	802.11ac(VHT40)	102	5510	14.77	15.50	No
		110	5550	14.61	15.50	No
		134	5670	14.97	15.50	No
		142	5710	15.01	15.50	No
	802.11ac(VHT80)	106	5530	15.21	15.50	Yes
		122	5610	15.42	15.50	Yes
		138	5690	15.32	15.50	Yes

	802.11ac(VHT160)	114	5570	12.48	13.00	No
	802.11ax(HE20)	100	5500	14.61	15.50	No
		116	5580	14.66	15.50	No
		140	5700	15.08	15.50	No
		144	5720	15.23	15.50	No
	802.11ax(HE40)	102	5510	15.06	15.50	No
		110	5550	14.64	15.50	No
		134	5670	14.63	15.50	No
		142	5710	15.13	15.50	No
	802.11ax(HE80)	106	5530	14.67	15.50	No
		122	5610	15.25	15.50	No
		138	5690	15.13	15.50	No
	802.11ax(HE160)	114	5570	12.75	13.00	No
	802.11ax(HE20) RU26	100	5500	10.51	11.00	No
		140	5700	10.52	11.00	No
	802.11ax(HE20) RU106	100	5500	14.23	15.00	No
		140	5700	14.48	15.00	No
5.8 (5.725~5.85)	802.11a	149	5745	14.98	15.50	No
		157	5785	15.08	15.50	No
		165	5825	14.89	16.00	No
	802.11n(HT20)	149	5745	14.60	16.00	No
		157	5785	15.01	16.00	No
		165	5825	14.88	16.00	No
	802.11n(HT40)	151	5755	15.10	16.00	No
		159	5795	14.87	16.00	No
	802.11ac(VHT20)	149	5745	14.83	16.00	No
		157	5785	14.92	16.00	No
		165	5825	15.01	16.00	No
	802.11ac(VHT40)	151	5755	14.68	16.00	No
		159	5795	14.72	16.00	No
	802.11ac(VHT80)	155	5775	14.82	16.00	Yes
	802.11ax(HE20)	149	5745	14.97	16.00	No
		157	5785	14.92	16.00	No
		165	5825	15.06	16.00	No
	802.11ax(HE40)	151	5755	14.83	16.00	No
		159	5795	15.03	16.00	No
	802.11ax(HE80)	155	5775	15.08	16.00	No
	802.11ax(HE20) RU26	149	5745	14.90	16.00	No
		165	5825	14.97	16.00	No

	802.11ax(HE20) RU52	165	5825	14.84	16.00	No
	802.11ax(HE20) RU106	149	5745	14.96	16.00	No
		165	5825	15.02	16.00	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

8.2.5 6G WIFI (Main Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11a	1	5955	0.97	1.00	No
		45	6175	0.88	1.00	No
		93	6415	0.95	1.00	No
		97	6435	0.78	1.00	No
		105	6475	0.85	1.00	No
		113	6515	1.21	1.50	No
		117	6535	0.99	1.00	No
		153	6715	0.81	1.00	No
		181	6855	1.49	1.50	No
		185	6875	1.47	1.50	No
		213	7015	0.53	1.00	No
		233	7115	0.63	1.00	No
	802.11ax(HE20)	1	5955	0.60	1.00	No
		45	6175	0.51	1.00	No
		93	6415	1.13	1.50	No
		97	6435	1.47	1.50	No
		105	6475	1.27	1.50	No
		113	6515	1.44	1.50	No
		117	6535	1.29	1.50	No
		153	6715	0.91	1.00	No
		181	6855	0.63	1.00	No
		185	6875	0.54	1.00	No
		213	7015	0.61	1.00	No
		233	7115	0.98	1.00	No
	802.11ax(HE40)	3	5965	4.40	4.50	No
		43	6165	4.04	4.50	No
		91	6405	4.30	4.50	No
		99	6445	4.13	4.50	No
		107	6485	4.34	4.50	No
		115	6525	4.35	4.50	No
		123	6565	4.36	4.50	No
		155	6725	4.02	4.50	No
		179	6845	4.25	4.50	No
		187	6885	4.35	4.50	No
		211	7005	4.28	4.50	No
		227	7085	4.00	4.50	No

	802.11ax(HE80)	7	5985	6.97	7.00	No
		39	6145	6.78	7.00	No
		87	6385	6.78	7.00	No
		103	6465	6.86	7.00	No
		119	6545	6.77	7.00	No
		135	6625	6.87	7.00	No
		151	6705	6.91	7.00	No
		167	6785	6.99	7.00	No
		183	6865	6.68	7.00	No
		199	6945	6.78	7.00	No
		215	7025	6.70	7.00	No
	802.11ax(HE160)	15	6025	9.49	9.50	Yes
		47	6185	9.34	9.50	Yes
		79	6345	9.39	9.50	Yes
		111	6505	9.38	9.50	Yes
		143	6665	9.00	9.50	Yes
		175	6825	9.48	9.50	Yes
		207	6985	9.03	9.50	Yes
	RU-26/0	1	5955	-7.42	-7.00	No
	RU-26/8	93	6415	-7.22	-7.00	No
	RU-26/0	97	6435	-7.41	-7.00	No
	RU-26/0	117	6535	-7.18	-7.00	No
	RU-26/8	181	6855	-7.40	-7.00	No
	RU-26/8	213	7015	-7.25	-7.00	No
	RU-52/37	1	5955	-4.17	-4.00	No
	RU-52/40	93	6415	-4.18	-4.00	No
	RU-52/37	97	6435	-4.10	-4.00	No
	RU-52/37	117	6535	-4.23	-4.00	No
	RU-52/40	181	6855	-4.05	-4.00	No
	RU-52/40	213	7015	-4.21	-4.00	No
	RU-106/53	1	5955	-1.30	-1.00	No
	RU-106/54	93	6415	-1.16	-1.00	No
	RU-106/53	97	6435	-1.13	-1.00	No
	RU-106/53	117	6535	-1.28	-1.00	No
	RU-106/54	181	6855	-1.42	-1.00	No
	RU-106/54	213	7015	-1.30	-1.00	No

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

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

8.2.6 6G WIFI (Aux. Antenna)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11a	1	5955	-0.05	1.00	No
		45	6175	0.55	1.00	No
		93	6415	0.64	1.00	No
		97	6435	0.94	1.00	No
		105	6475	0.80	1.00	No
		113	6515	0.79	1.00	No
		117	6535	0.82	1.00	No
		153	6715	0.97	1.00	No
		181	6855	0.67	1.00	No
		185	6875	0.87	1.00	No
		213	7015	0.71	1.00	No
		233	7115	0.97	1.00	No
	802.11ax(HE20)	1	5955	0.98	1.00	No
		45	6175	0.70	1.00	No
		93	6415	0.68	1.00	No
		97	6435	1.41	1.50	No
		105	6475	0.53	1.00	No
		113	6515	1.30	1.50	No
		117	6535	1.38	1.50	No
		153	6715	1.33	1.50	No
		181	6855	0.57	1.00	No
		185	6875	1.03	1.50	No
		213	7015	1.96	2.00	No
		233	7115	1.57	2.00	No
	802.11ax(HE40)	3	5965	4.11	4.50	No
		43	6165	4.49	4.50	No
		91	6405	4.02	4.50	No
		99	6445	4.22	4.50	No
		107	6485	4.47	4.50	No
		115	6525	4.27	4.50	No
		123	6565	4.29	4.50	No
		155	6725	4.05	4.50	No
		179	6845	4.45	4.50	No
		187	6885	4.38	4.50	No
		211	7005	4.46	4.50	No
		227	7085	4.18	4.50	No

	802.11ax(HE80)	7	5985	6.53	7.00	No
		39	6145	6.59	7.00	No
		87	6385	6.60	7.00	No
		103	6465	6.91	7.00	No
		119	6545	6.81	7.00	No
		135	6625	6.97	7.00	No
		151	6705	6.54	7.00	No
		167	6785	6.57	7.00	No
		183	6865	6.90	7.00	No
		199	6945	6.92	7.00	No
		215	7025	6.87	7.00	No
	802.11ax(HE160)	15	6025	9.11	9.50	Yes
		47	6185	9.10	9.50	Yes
		79	6345	9.45	9.50	Yes
		111	6505	9.01	9.50	Yes
		143	6665	9.14	9.50	Yes
		175	6825	9.40	9.50	Yes
		207	6985	9.38	9.50	Yes
	RU-26/0	1	5955	-7.25	-7.00	No
	RU-26/8	93	6415	-7.38	-7.00	No
	RU-26/0	97	6435	-7.02	-7.00	No
	RU-26/0	117	6535	-7.24	-7.00	No
	RU-26/8	181	6855	-7.36	-7.00	No
	RU-26/8	213	7015	-7.48	-7.00	No
	RU-52/37	1	5955	-4.08	-4.00	No
	RU-52/40	93	6415	-4.19	-4.00	No
	RU-52/37	97	6435	-4.01	-4.00	No
	RU-52/37	117	6535	-4.48	-4.00	No
	RU-52/40	181	6855	-4.16	-4.00	No
	RU-52/40	213	7015	-4.02	-4.00	No
	RU-106/53	1	5955	-1.20	-1.00	No
	RU-106/54	93	6415	-1.42	-1.00	No
	RU-106/53	97	6435	-1.09	-1.00	No
	RU-106/53	117	6535	-1.36	-1.00	No
	RU-106/54	181	6855	-1.09	-1.00	No
	RU-106/54	213	7015	-1.41	-1.00	No

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

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

8.3 Bluetooth

8.3.1 Bluetooth (Aux. Antenna)

MT7922A12L

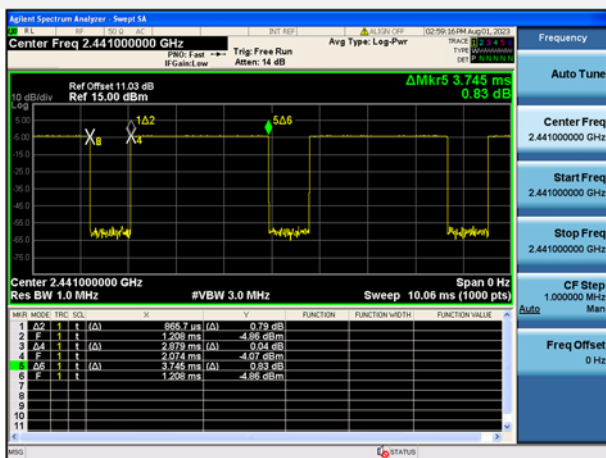
Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	12.59	12.95	12.42	10.11	10.23	10.15
Tune-Up Limit (dBm)	13.50	13.50	13.50	10.50	10.50	10.50
SAR Test Require	Yes	Yes	Yes	No	No	No
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	10.21	10.18	10.14	/	/	/
Tune-Up Limit (dBm)	10.50	10.50	10.50	/	/	/
SAR Test Require	No	No	No	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Average Power (dBm)	12.63	12.67	12.71	12.45	12.53	12.54
Tune-Up Limit (dBm)	13.00	13.00	13.00	13.00	13.00	13.00
SAR Test Require	No	No	No	No	No	No

Note: Since Bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode.

The Bluetooth duty cycle GFSK is 76.88 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

GFSK



AC6956C

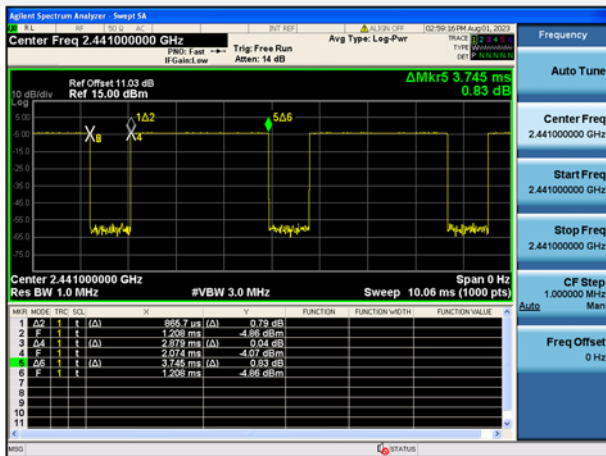
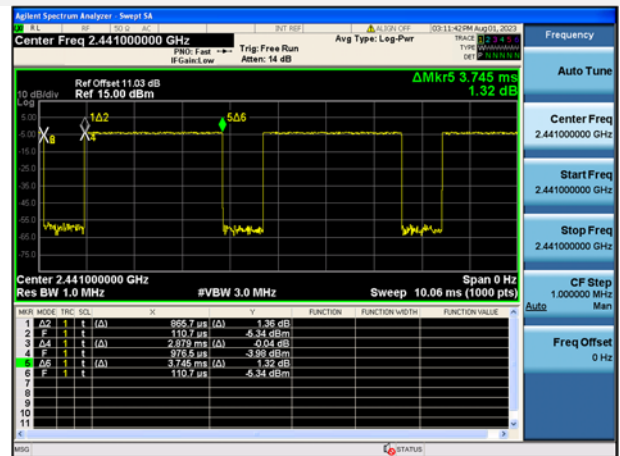
Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	-4.27	-3.92	-3.88	-2.93	-2.93	-2.91
Tune-Up Limit (dBm)	-3.00	-3.00	-3.00	-2.00	-2.00	-2.00
SAR Test Require	No	No	No	Yes	Yes	Yes

Note: Since Bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode.

The Bluetooth duty cycle GFSK and $\pi/4$ -DQPSK is 76.88 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

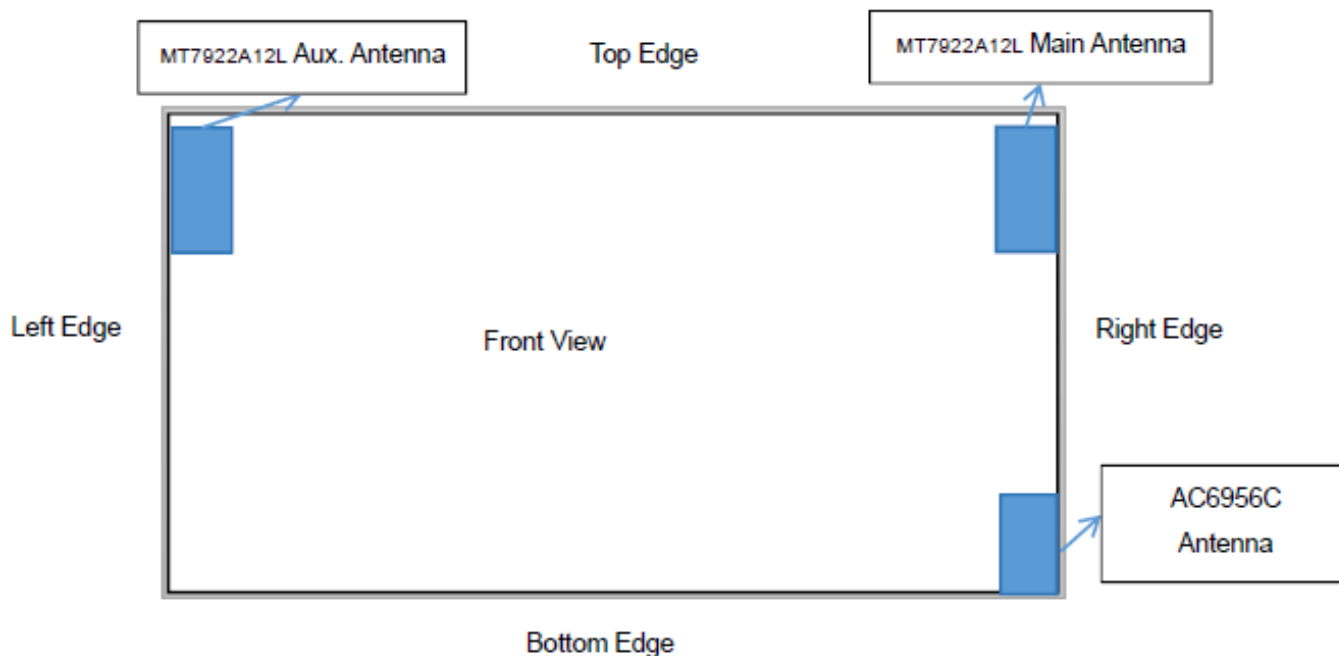
Duty Cycle

GFSK

 $\pi/4$ -DQPSK

9 TEST EXCLUSION CONSIDERATION

9.1 Tablet Mode antenna location sketch



Antenna	Support Bands
MT7922A12L Antenna Aux.	Bluetooth、WLAN 2.4/5G/6G
MT7922A12L Antenna Main	WLAN 2.4/5G/6G
AC6956C 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 Tablet Mode SAR Test Consideration (Without Handle)

This host is a notebook computer, under normal use the RF exposure scenarios are shown in the table below:

RF exposure Position	RF exposure scenarios
Front Side	Body
Back Side	Body
Left Edge	Body
Left Edge Tilt	Body
Right Edge	Body
Right Edge Tilt	Body
Top Edge	Body
Bottom Edge	Body

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Main Antenna Body RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DTS	2.462	5	2.73	16.50	44.67	Yes
	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
Back Side	DTS	2.462	5	2.73	16.50	44.67	Yes
	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
Left Edge	DTS	2.462	210	3357.76	16.50	44.67	No
	UNII-2A	5.32	210	3385.28	10.50	11.22	No
	UNII-2C	5.71	210	3387.82	10.50	11.22	No
	UNII-3	5.825	210	3388.53	10.00	10.00	No
Left Edge Tilt	DTS	2.462	210	3357.76	16.50	44.67	No
	UNII-2A	5.32	210	3385.28	10.50	11.22	No
	UNII-2C	5.71	210	3387.82	10.50	11.22	No
	UNII-3	5.825	210	3388.53	10.00	10.00	No
Right Edge	DTS	2.462	5	2.73	16.50	44.67	Yes
	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
Right Edge Tilt	DTS	2.462	5	2.73	16.50	44.67	Yes
	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
Top Edge	DTS	2.462	5	2.73	16.50	44.67	Yes

Bottom Edge	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
	DTS	2.462	145	1659.26	16.50	44.67	No
Bottom Edge	UNII-2A	5.32	145	1572.34	10.50	11.22	No
	UNII-2C	5.71	145	1564.60	10.50	11.22	No
	UNII-3	5.825	145	1562.42	10.00	10.00	No
	DTS	2.462	145	1659.26	16.50	44.67	No

Aux. Antenna Body RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DSS	2.48	5	2.72	13.50	22.39	Yes
	DTS	2.462	5	2.73	16.50	44.67	Yes
	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
Back Side	DSS	2.48	5	2.72	13.50	22.39	Yes
	DTS	2.462	5	2.73	16.50	44.67	Yes
	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
Left Edge	DSS	2.48	5	2.72	13.50	22.39	Yes
	DTS	2.462	5	2.73	16.50	44.67	Yes
	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
Left Edge Tilt	DSS	2.48	5	2.72	13.50	22.39	Yes
	DTS	2.462	5	2.73	16.50	44.67	Yes
	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
Right Edge	DSS	2.48	210	3358.02	13.50	22.39	No
	DTS	2.462	210	3357.76	16.50	44.67	No
	UNII-2A	5.32	210	3385.28	10.50	11.22	No
	UNII-2C	5.71	210	3387.82	10.50	11.22	No
	UNII-3	5.825	210	3388.53	10.00	10.00	No
Right Edge Tilt	DSS	2.48	210	3358.02	13.50	22.39	No
	DTS	2.462	210	3357.76	16.50	44.67	No
	UNII-2A	5.32	210	3385.28	10.50	11.22	No
	UNII-2C	5.71	210	3387.82	10.50	11.22	No
	UNII-3	5.825	210	3388.53	10.00	10.00	No
Top Edge	DSS	2.48	5	2.72	13.50	22.39	Yes

	DTS	2.462	5	2.73	16.50	44.67	Yes
	UNII-2A	5.32	5	1.47	10.50	11.22	Yes
	UNII-2C	5.71	5	1.39	10.50	11.22	Yes
	UNII-3	5.825	5	1.37	10.00	10.00	Yes
Bottom Edge	DSS	2.48	145	1658.42	13.50	22.39	No
	DTS	2.462	145	1659.26	16.50	44.67	No
	UNII-2A	5.32	145	1572.34	10.50	11.22	No
	UNII-2C	5.71	145	1564.60	10.50	11.22	No
	UNII-3	5.825	145	1562.42	10.00	10.00	No

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Aux. Antenna Body RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DSS	2.48	5	2.72	-2.00	0.63	Yes
Back Side	DSS	2.48	5	2.72	-2.00	0.63	Yes
Left Edge	DSS	2.48	210	3358.02	-2.00	0.63	No
Left Edge Tilt	DSS	2.48	210	3358.02	-2.00	0.63	No
Right Edge	DSS	2.48	5	2.72	-2.00	0.63	Yes
Right Edge Tilt	DSS	2.48	5	2.72	-2.00	0.63	Yes
Top Edge	DSS	2.48	145	1658.42	-2.00	0.63	No
Bottom Edge	DSS	2.48	5	2.72	-2.00	0.63	Yes

RF exposure Position	RF exposure scenarios
Front Side	Limb
Back Side	Limb
Left Edge	Limb
Left Edge Tilt	Limb
Right Edge	Limb
Right Edge Tilt	Limb
Top Edge	Limb
Bottom Edge	Limb

MT7922A12L**Main Antenna Limb RF exposure scenarios**

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes
	UNII-3	5.825	5	3.43	10.00	10.00	Yes
Back Side	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes
	UNII-3	5.825	5	3.43	10.00	10.00	Yes
Left Edge	DTS	2.462	210	8394.39	16.50	44.67	No
	UNII-2A	5.32	210	8463.20	10.50	11.22	No
	UNII-2C	5.71	210	8469.54	10.50	11.22	No
	UNII-3	5.825	210	8471.33	10.00	10.00	No
Left Edge Tilt	DTS	2.462	210	8394.39	16.50	44.67	No
	UNII-2A	5.32	210	8463.20	10.50	11.22	No
	UNII-2C	5.71	210	8469.54	10.50	11.22	No
	UNII-3	5.825	210	8471.33	10.00	10.00	No
Right Edge	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes
	UNII-3	5.825	5	3.43	10.00	10.00	Yes
Right Edge Tilt	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes
	UNII-3	5.825	5	3.43	10.00	10.00	Yes
Top Edge	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes
	UNII-3	5.825	5	3.43	10.00	10.00	Yes

Bottom Edge	DTS	2.462	145	4148.15	16.50	44.67	No
	UNII-2A	5.32	145	3930.86	10.50	11.22	No
	UNII-2C	5.71	145	3911.49	10.50	11.22	No
	UNII-3	5.825	145	3906.05	10.00	10.00	No

Aux. Antenna Limb RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DSS	2.48	5	6.79	13.50	22.39	Yes
	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes
	UNII-3	5.825	5	3.43	10.00	10.00	Yes
Back Side	DSS	2.48	5	6.79	13.50	22.39	Yes
	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes
	UNII-3	5.825	5	3.43	10.00	10.00	Yes
Left Edge	DSS	2.48	5	6.79	13.50	22.39	Yes
	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes
	UNII-3	5.825	5	3.43	10.00	10.00	Yes
Left Edge Tilt	DSS	2.48	5	6.79	13.50	22.39	Yes
	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes
	UNII-3	5.825	5	3.43	10.00	10.00	Yes
Right Edge	DSS	2.48	210	8395.04	13.50	22.39	No
	DTS	2.462	210	8394.39	16.50	44.67	No
	UNII-2A	5.32	210	8463.20	10.50	11.22	No
	UNII-2C	5.71	210	8469.54	10.50	11.22	No
	UNII-3	5.825	210	8471.33	10.00	10.00	No
Right Edge Tilt	DSS	2.48	210	8395.04	13.50	22.39	No
	DTS	2.462	210	8394.39	16.50	44.67	No
	UNII-2A	5.32	210	8463.20	10.50	11.22	No
	UNII-2C	5.71	210	8469.54	10.50	11.22	No
	UNII-3	5.825	210	8471.33	10.00	10.00	No
Top Edge	DSS	2.48	5	6.79	13.50	22.39	Yes
	DTS	2.462	5	6.83	16.50	44.67	Yes
	UNII-2A	5.32	5	3.69	10.50	11.22	Yes
	UNII-2C	5.71	5	3.48	10.50	11.22	Yes

	UNII-3	5.825	5	3.43	10.00	10.00	Yes
Bottom Edge	DSS	2.48	145	4146.04	13.50	22.39	No
	DTS	2.462	145	4148.15	16.50	44.67	No
	UNII-2A	5.32	145	3930.86	10.50	11.22	No
	UNII-2C	5.71	145	3911.49	10.50	11.22	No
	UNII-3	5.825	145	3906.05	10.00	10.00	No

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Aux. Antenna Limb RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DSS	2.48	5	6.79	-2.00	0.63	Yes
Back Side	DSS	2.48	5	6.79	-2.00	0.63	Yes
Left Edge	DSS	2.48	210	8395.04	-2.00	0.63	No
Left Edge Tilt	DSS	2.48	210	8395.04	-2.00	0.63	No
Right Edge	DSS	2.48	5	6.79	-2.00	0.63	Yes
Right Edge Tilt	DSS	2.48	5	6.79	-2.00	0.63	Yes
Top Edge	DSS	2.48	145	4146.04	-2.00	0.63	No
Bottom Edge	DSS	2.48	5	6.79	-2.00	0.63	Yes

9.2.2 Tablet Mode SAR Test Consideration (Strap Handle)

This host is a notebook computer, under normal use the RF exposure scenarios are shown in the table below:

RF exposure Position	RF exposure scenarios
Front Edge	Body
Back Side	Body
Left Edge	Body
Right Edge	Body
Top Edge	Body
Bottom Side	Body

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Main Antenna Body RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DTS	2.462	5	2.73	21.00	125.89	Yes
	UNII-2A	5.32	5	1.47	16.00	39.81	Yes
	UNII-2C	5.71	5	1.39	15.50	35.48	Yes
	UNII-3	5.825	5	1.37	16.00	39.81	Yes
Back Side	DTS	2.462	5	2.73	21.00	125.89	Yes
	UNII-2A	5.32	5	1.47	16.00	39.81	Yes
	UNII-2C	5.71	5	1.39	15.50	35.48	Yes
	UNII-3	5.825	5	1.37	16.00	39.81	Yes
Left Edge	DTS	2.462	254	4822.61	21.00	125.89	No
	UNII-2A	5.32	254	5019.38	16.00	39.81	No
	UNII-2C	5.71	254	5037.84	15.50	35.48	No
	UNII-3	5.825	254	5043.06	16.00	39.81	No
Right Edge	DTS	2.462	45	178.97	21.00	125.89	No
	UNII-2A	5.32	45	139.44	16.00	39.81	No
	UNII-2C	5.71	45	136.28	15.50	35.48	No
	UNII-3	5.825	45	135.41	16.00	39.81	No
Top Edge	DTS	2.462	5	2.73	21.00	125.89	Yes
	UNII-2A	5.32	5	1.47	16.00	39.81	Yes
	UNII-2C	5.71	5	1.39	15.50	35.48	Yes
	UNII-3	5.825	5	1.37	16.00	39.81	Yes
Bottom Edge	DTS	2.462	145	1659.26	21.00	125.89	No
	UNII-2A	5.32	145	1572.34	16.00	39.81	No
	UNII-2C	5.71	145	1564.60	15.50	35.48	No
	UNII-3	5.825	145	1562.42	16.00	39.81	No

Aux. Antenna Body RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DSS	2.48	5	2.72	13.50	22.39	Yes
	DTS	2.462	5	2.73	21.00	125.89	Yes
	UNII-2A	5.32	5	1.47	16.00	39.81	Yes
	UNII-2C	5.71	5	1.39	15.50	35.48	Yes
	UNII-3	5.825	5	1.37	16.00	39.81	Yes
Back Side	DSS	2.48	5	2.72	13.50	22.39	Yes
	DTS	2.462	5	2.73	21.00	125.89	Yes
	UNII-2A	5.32	5	1.47	16.00	39.81	Yes
	UNII-2C	5.71	5	1.39	15.50	35.48	Yes
	UNII-3	5.825	5	1.37	16.00	39.81	Yes
Left Edge	DSS	2.48	45	178.55	13.50	22.39	No
	DTS	2.462	45	178.97	21.00	125.89	No
	UNII-2A	5.32	45	139.44	16.00	39.81	No
	UNII-2C	5.71	45	136.28	15.50	35.48	No
	UNII-3	5.825	45	135.41	16.00	39.81	No
Right Edge	DSS	2.48	254	4824.43	13.50	22.39	No
	DTS	2.462	254	4822.61	21.00	125.89	No
	UNII-2A	5.32	254	5019.38	16.00	39.81	No
	UNII-2C	5.71	254	5037.84	15.50	35.48	No
	UNII-3	5.825	254	5043.06	16.00	39.81	No
Top Edge	DSS	2.48	5	2.72	13.50	22.39	Yes
	DTS	2.462	5	2.73	21.00	125.89	Yes
	UNII-2A	5.32	5	1.47	16.00	39.81	Yes
	UNII-2C	5.71	5	1.39	15.50	35.48	Yes
	UNII-3	5.825	5	1.37	16.00	39.81	Yes
Bottom Edge	DSS	2.48	145	1658.42	13.50	22.39	No
	DTS	2.462	145	1659.26	21.00	125.89	No
	UNII-2A	5.32	145	1572.34	16.00	39.81	No
	UNII-2C	5.71	145	1564.60	15.50	35.48	No
	UNII-3	5.825	145	1562.42	16.00	39.81	No

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Aux. Antenna Body RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DSS	2.48	5	2.72	-2.00	0.63	Yes
Back Side	DSS	2.48	5	2.72	-2.00	0.63	Yes
Left Edge	DSS	2.48	254	4824.43	-2.00	0.63	No
Right Edge	DSS	2.48	45	178.55	-2.00	0.63	No
Top Edge	DSS	2.48	145	1658.42	-2.00	0.63	No
Bottom Edge	DSS	2.48	5	2.72	-2.00	0.63	Yes

RF exposure Position	RF exposure scenarios
Front Edge	Limb
Back Side	Limb
Left Edge	Limb
Right Edge	Limb
Top Edge	Limb
Bottom Side	Limb

MT7922A12L**Main Antenna Limb RF exposure scenarios**

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DTS	2.462	5	6.83	21.00	125.89	Yes
	UNII-2A	5.32	5	3.69	16.00	39.81	Yes
	UNII-2C	5.71	5	3.48	15.50	35.48	Yes
	UNII-3	5.825	5	3.43	16.00	39.81	Yes
Back Side	DTS	2.462	5	6.83	21.00	125.89	Yes
	UNII-2A	5.32	5	3.69	16.00	39.81	Yes
	UNII-2C	5.71	5	3.48	15.50	35.48	Yes
	UNII-3	5.825	5	3.43	16.00	39.81	Yes
Left Edge	DTS	2.462	254	12056.52	21.00	125.89	No
	UNII-2A	5.32	254	12548.44	16.00	39.81	No
	UNII-2C	5.71	254	12594.60	15.50	35.48	No
	UNII-3	5.825	254	12607.64	16.00	39.81	No
Right Edge	DTS	2.462	45	447.43	21.00	125.89	No
	UNII-2A	5.32	45	348.61	16.00	39.81	No
	UNII-2C	5.71	45	340.71	15.50	35.48	No
	UNII-3	5.825	45	338.52	16.00	39.81	No
Top Edge	DTS	2.462	5	6.83	21.00	125.89	Yes
	UNII-2A	5.32	5	3.69	16.00	39.81	Yes
	UNII-2C	5.71	5	3.48	15.50	35.48	Yes
	UNII-3	5.825	5	3.43	16.00	39.81	Yes
Bottom Edge	DTS	2.462	145	4148.15	21.00	125.89	No
	UNII-2A	5.32	145	3930.86	16.00	39.81	No
	UNII-2C	5.71	145	3911.49	15.50	35.48	No
	UNII-3	5.825	145	3906.05	16.00	39.81	No

Aux. Antenna Limb RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DSS	2.48	5	6.79	13.50	22.39	Yes
	DTS	2.462	5	6.83	21.00	125.89	Yes
	UNII-2A	5.32	5	3.69	16.00	39.81	Yes
	UNII-2C	5.71	5	3.48	15.50	35.48	Yes
	UNII-3	5.825	5	3.43	16.00	39.81	Yes
Back Side	DSS	2.48	5	6.79	13.50	22.39	Yes
	DTS	2.462	5	6.83	21.00	125.89	Yes
	UNII-2A	5.32	5	3.69	16.00	39.81	Yes
	UNII-2C	5.71	5	3.48	15.50	35.48	Yes
	UNII-3	5.825	5	3.43	16.00	39.81	Yes
Left Edge	DSS	2.48	45	446.38	13.50	22.39	No
	DTS	2.462	45	447.43	21.00	125.89	No
	UNII-2A	5.32	45	348.61	16.00	39.81	No
	UNII-2C	5.71	45	340.71	15.50	35.48	No
	UNII-3	5.825	45	338.52	16.00	39.81	No
Right Edge	DSS	2.48	254	12061.08	13.50	22.39	No
	DTS	2.462	254	12056.52	21.00	125.89	No
	UNII-2A	5.32	254	12548.44	16.00	39.81	No
	UNII-2C	5.71	254	12594.60	15.50	35.48	No
	UNII-3	5.825	254	12607.64	16.00	39.81	No
Top Edge	DSS	2.48	5	6.79	13.50	22.39	Yes
	DTS	2.462	5	6.83	21.00	125.89	Yes
	UNII-2A	5.32	5	3.69	16.00	39.81	Yes
	UNII-2C	5.71	5	3.48	15.50	35.48	Yes
	UNII-3	5.825	5	3.43	16.00	39.81	Yes
Bottom Edge	DSS	2.48	145	4146.04	13.50	22.39	No
	DTS	2.462	145	4148.15	21.00	125.89	No
	UNII-2A	5.32	145	3930.86	16.00	39.81	No
	UNII-2C	5.71	145	3911.49	15.50	35.48	No
	UNII-3	5.825	145	3906.05	16.00	39.81	No

AC6956C

Aux. Antenna Limb RF exposure scenarios

Positon	Mode	Calculated Frequency (Ghz)	Distance to User (mm)	Exclusion Threshold (mW)	Max. Peak Power (dBm)	Max. Peak Power (mW)	SAR Test Required
Front Side	DSS	2.48	5	6.79	-2.00	0.63	Yes
Back Side	DSS	2.48	5	6.79	-2.00	0.63	Yes
Left Edge	DSS	2.48	254	12061.08	-2.00	0.63	No
Right Edge	DSS	2.48	45	446.38	-2.00	0.63	No
Top Edge	DSS	2.48	145	4146.04	-2.00	0.63	No
Bottom Edge	DSS	2.48	5	6.79	-2.00	0.63	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 Pth (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.
8. For Limb SAR, SAR test exemption considered by applying a factor of 2.5 to the applicable power level thresholds.

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 WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)".
 - c. For WLAN/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

10.1 Bluetooth (Without Handle)

Mode	Chip Model	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																
DH5	MT7922A12L	HUBBLE	Aux.	Front Side	0	39	2441	0.01	0.185	12.95	13.50	1.135	76.88	1.301	0.273	/
				Back Side	0	39	2441	-0.15	0.150	12.95	13.50	1.135	76.88	1.301	0.221	/
				Left Edge	0	39	2441	0.12	0.350	12.95	13.50	1.135	76.88	1.301	0.517	/
				Left Edge Tilt	0	39	2441	0.02	0.313	12.95	13.50	1.135	76.88	1.301	0.462	/
				Top Edge	0	39	2441	0.01	0.199	12.95	13.50	1.135	76.88	1.301	0.294	/
				Left Edge	0	0	2402	0.02	0.339	12.59	13.50	1.233	76.88	1.301	0.544	/
				Left Edge	0	78	2480	0.03	0.375	12.42	13.50	1.282	76.88	1.301	0.625	/
		INNOWAVE	Aux.	Front Side	0	39	2441	0.12	0.208	12.95	13.50	1.135	76.88	1.301	0.307	/
				Back Side	0	39	2441	-0.19	0.149	12.95	13.50	1.135	76.88	1.301	0.220	/
				Left Edge	0	39	2441	-0.03	0.424	12.95	13.50	1.135	76.88	1.301	0.626	1#
				Left Edge Tilt	0	39	2441	-0.10	0.358	12.95	13.50	1.135	76.88	1.301	0.529	/
				Top Edge	0	39	2441	0.12	0.215	12.95	13.50	1.135	76.88	1.301	0.317	/
				Left Edge	0	0	2402	0.01	0.362	12.59	13.50	1.233	76.88	1.301	0.581	/
				Left Edge	0	78	2480	-0.16	0.355	12.42	13.50	1.282	76.88	1.301	0.592	/
2-DH5	AC6956C	HUBBLE	/	Front Side	0	78	2480	-0.05	0.005	-2.91	-2.00	1.233	76.88	1.301	0.008	/
				Back Side	0	78	2480	0.08	0.004	-2.91	-2.00	1.233	76.88	1.301	0.006	/
				Right Edge	0	78	2480	0.04	0.008	-2.91	-2.00	1.233	76.88	1.301	0.013	/
				Right Edge Tilt	0	78	2480	0.06	0.011	-2.91	-2.00	1.233	76.88	1.301	0.018	/
				Bottom Edge	0	78	2480	0.05	0.010	-2.91	-2.00	1.233	76.88	1.301	0.016	/
		INNOWAVE	/	Front Side	0	78	2480	0.11	0.004	-2.91	-2.00	1.233	76.88	1.301	0.006	/
				Back Side	0	78	2480	-0.06	0.005	-2.91	-2.00	1.233	76.88	1.301	0.008	/
				Right Edge	0	78	2480	0.08	0.007	-2.91	-2.00	1.233	76.88	1.301	0.011	/
				Right Edge Tilt	0	78	2480	-0.04	0.008	-2.91	-2.00	1.233	76.88	1.301	0.013	/
				Bottom Edge	0	78	2480	0.02	0.007	-2.91	-2.00	1.233	76.88	1.301	0.011	/
Note:																
1. 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.																
2. 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.																
3. Refer to ANNEX C for the detailed test data for each test configuration.																

Mode	Chip Model	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.
Limb																
DH5	MT7922A12L	HUBBLE	Aux.	Front Side	0	39	2441	0.01	0.061	12.95	13.50	1.135	76.88	1.301	0.090	/
				Back Side	0	39	2441	-0.15	0.050	12.95	13.50	1.135	76.88	1.301	0.074	/
				Left Edge	0	39	2441	0.12	0.115	12.95	13.50	1.135	76.88	1.301	0.170	/
				Left Edge Tilt	0	39	2441	0.02	0.104	12.95	13.50	1.135	76.88	1.301	0.154	/
				Top Edge	0	39	2441	0.01	0.066	12.95	13.50	1.135	76.88	1.301	0.097	/
				Left Edge	0	0	2402	0.02	0.111	12.59	13.50	1.233	76.88	1.301	0.178	/
				Left Edge	0	78	2480	0.03	0.121	12.42	13.50	1.282	76.88	1.301	0.202	/
		INNOWAVE	Aux.	Front Side	0	39	2441	0.12	0.068	12.95	13.50	1.135	76.88	1.301	0.100	/
				Back Side	0	39	2441	-0.19	0.048	12.95	13.50	1.135	76.88	1.301	0.071	/
				Left Edge	0	39	2441	-0.03	0.138	12.95	13.50	1.135	76.88	1.301	0.204	1#
				Left Edge Tilt	0	39	2441	-0.10	0.116	12.95	13.50	1.135	76.88	1.301	0.171	/
				Top Edge	0	39	2441	0.12	0.070	12.95	13.50	1.135	76.88	1.301	0.103	/
				Left Edge	0	0	2402	0.01	0.118	12.59	13.50	1.233	76.88	1.301	0.189	/
				Left Edge	0	78	2480	-0.16	0.116	12.42	13.50	1.282	76.88	1.301	0.193	/
2-DH5	AC6956C	HUBBLE	/	Front Side	0	78	2480	-0.05	0.002	-2.91	-2.00	1.233	76.88	1.301	0.003	/
				Back Side	0	78	2480	0.08	0.001	-2.91	-2.00	1.233	76.88	1.301	0.002	/
				Right Edge	0	78	2480	0.04	0.003	-2.91	-2.00	1.233	76.88	1.301	0.005	/
				Right Edge Tilt	0	78	2480	0.06	0.004	-2.91	-2.00	1.233	76.88	1.301	0.006	/
				Bottom Edge	0	78	2480	0.05	0.003	-2.91	-2.00	1.233	76.88	1.301	0.005	/
		INNOWAVE	/	Front Side	0	78	2480	0.11	0.001	-2.91	-2.00	1.233	76.88	1.301	0.002	/
				Back Side	0	78	2480	-0.06	0.002	-2.91	-2.00	1.233	76.88	1.301	0.003	/
				Right Edge	0	78	2480	0.08	0.002	-2.91	-2.00	1.233	76.88	1.301	0.003	/
				Right Edge Tilt	0	78	2480	-0.04	0.003	-2.91	-2.00	1.233	76.88	1.301	0.005	/
				Bottom Edge	0	78	2480	0.02	0.002	-2.91	-2.00	1.233	76.88	1.301	0.003	/
Note:																
1. 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.																
2. 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.																
3. Refer to ANNEX C for the detailed test data for each test configuration.																

10.2WIFI 2.4GHz (Without Handle)

Mode	Chip Model	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																
802.11b	MT7922A12L	HUBBLE	Aux.	Front Side	0	11	2462	-0.10	0.162	16.32	16.50	1.042	98.81	1.012	0.171	/
				Back Side	0	11	2462	0.18	0.126	16.32	16.50	1.042	98.81	1.012	0.133	/
				Left Edge	0	11	2462	-0.06	0.557	16.32	16.50	1.042	98.81	1.012	0.587	/
				Left Edge Tilt	0	11	2462	-0.04	0.307	16.32	16.50	1.042	98.81	1.012	0.324	/
				Top Edge	0	11	2462	0.15	0.204	16.32	16.50	1.042	98.81	1.012	0.215	/
		INNOWAVE	Aux.	Front Side	0	11	2462	-0.16	0.211	16.32	16.50	1.042	98.81	1.012	0.223	/
				Back Side	0	11	2462	0.10	0.115	16.32	16.50	1.042	98.81	1.012	0.121	/
				Left Edge	0	11	2462	0.16	0.816	16.32	16.50	1.042	98.81	1.012	0.860	/
				Left Edge Tilt	0	11	2462	-0.16	0.319	16.32	16.50	1.042	98.81	1.012	0.336	/
				Top Edge	0	11	2462	-0.12	0.329	16.32	16.50	1.042	98.81	1.012	0.347	/
				Left Edge	0	1	2412	-0.06	0.758	16.15	16.50	1.084	98.81	1.012	0.832	/
				Left Edge	0	6	2437	-0.07	0.895	16.20	16.50	1.072	98.81	1.012	0.971	2#
		HUBBLE	Main	Front Side	0	11	2462	-0.02	0.108	16.11	16.50	1.094	98.81	1.012	0.120	/
				Back Side	0	11	2462	0.01	0.348	16.11	16.50	1.094	98.81	1.012	0.385	/
				Right Edge	0	11	2462	-0.08	0.395	16.11	16.50	1.094	98.81	1.012	0.437	/
				Right Edge Tilt	0	11	2462	-0.12	0.643	16.11	16.50	1.094	98.81	1.012	0.712	3#
				Top Edge	0	11	2462	0.07	0.138	16.11	16.50	1.094	98.81	1.012	0.153	/
		INNOWAVE	Main	Front Side	0	11	2462	-0.18	0.114	16.11	16.50	1.094	98.81	1.012	0.126	/
				Back Side	0	11	2462	0.15	0.199	16.11	16.50	1.094	98.81	1.012	0.220	/
				Right Edge	0	11	2462	-0.16	0.419	16.11	16.50	1.094	98.81	1.012	0.464	/
				Right Edge Tilt	0	11	2462	0.07	0.485	16.11	16.50	1.094	98.81	1.012	0.537	/
				Top Edge	0	11	2462	0.12	0.183	16.11	16.50	1.094	98.81	1.012	0.203	/
Note:																
1. 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.																
2. 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.																
3. Refer to ANNEX C for the detailed test data for each test configuration.																

Mode	Chip Model	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.
Limb																
802.11b	MT7922A12L	HUBBLE	Aux.	Front Side	0	11	2462	-0.10	0.059	16.32	16.50	1.042	98.81	1.012	0.062	/
				Back Side	0	11	2462	0.18	0.045	16.32	16.50	1.042	98.81	1.012	0.047	/
				Left Edge	0	11	2462	-0.06	0.194	16.32	16.50	1.042	98.81	1.012	0.205	/
				Left Edge Tilt	0	11	2462	-0.04	0.110	16.32	16.50	1.042	98.81	1.012	0.116	/
				Top Edge	0	11	2462	0.15	0.071	16.32	16.50	1.042	98.81	1.012	0.075	/
		INNOWAVE	Aux.	Front Side	0	11	2462	-0.16	0.075	16.32	16.50	1.042	98.81	1.012	0.079	/
				Back Side	0	11	2462	0.10	0.041	16.32	16.50	1.042	98.81	1.012	0.043	/
				Left Edge	0	11	2462	0.16	0.285	16.32	16.50	1.042	98.81	1.012	0.301	/
				Left Edge Tilt	0	11	2462	-0.16	0.113	16.32	16.50	1.042	98.81	1.012	0.119	/
				Top Edge	0	11	2462	-0.12	0.115	16.32	16.50	1.042	98.81	1.012	0.121	/
				Left Edge	0	1	2412	-0.06	0.267	16.15	16.50	1.084	98.81	1.012	0.293	/
				Left Edge	0	6	2437	-0.07	0.313	16.20	16.50	1.072	98.81	1.012	0.340	2#
		HUBBLE	Main	Front Side	0	11	2462	-0.02	0.039	16.11	16.50	1.094	98.81	1.012	0.043	/
				Back Side	0	11	2462	0.01	0.121	16.11	16.50	1.094	98.81	1.012	0.134	/
				Right Edge	0	11	2462	-0.08	0.149	16.11	16.50	1.094	98.81	1.012	0.165	/
				Right Edge Tilt	0	11	2462	-0.12	0.221	16.11	16.50	1.094	98.81	1.012	0.245	3#
				Top Edge	0	11	2462	0.07	0.047	16.11	16.50	1.094	98.81	1.012	0.052	/
		INNOWAVE	Main	Front Side	0	11	2462	-0.18	0.038	16.11	16.50	1.094	98.81	1.012	0.042	/
				Back Side	0	11	2462	0.15	0.071	16.11	16.50	1.094	98.81	1.012	0.079	/
				Right Edge	0	11	2462	-0.16	0.146	16.11	16.50	1.094	98.81	1.012	0.162	/
				Right Edge Tilt	0	11	2462	0.07	0.167	16.11	16.50	1.094	98.81	1.012	0.185	/
				Top Edge	0	11	2462	0.12	0.065	16.11	16.50	1.094	98.81	1.012	0.072	/
Note:																
1. 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.																
2. 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.																
3. Refer to ANNEX C for the detailed test data for each test configuration.																

10.3WIFI 5GHz (Without Handle)

Fre. Band	Mode	Chip Model	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	802.11ac (VHT80)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	58	5290	0.17	0.068	10.36	10.50	1.033	87.91	1.138	0.080	/
					Back Side	0	58	5290	0.09	0.126	10.36	10.50	1.033	87.91	1.138	0.148	/
					Left Edge	0	58	5290	-0.01	0.405	10.36	10.50	1.033	87.91	1.138	0.476	4#
					Left Edge Tilt	0	58	5290	0.14	0.327	10.36	10.50	1.033	87.91	1.138	0.384	/
					Top Edge	0	58	5290	-0.01	0.130	10.36	10.50	1.033	87.91	1.138	0.153	/
			INNOWAVE	Aux.	Front Side	0	58	5290	-0.02	0.051	10.36	10.50	1.033	87.91	1.138	0.060	/
					Back Side	0	58	5290	-0.14	0.044	10.36	10.50	1.033	87.91	1.138	0.052	/
					Left Edge	0	58	5290	-0.08	0.222	10.36	10.50	1.033	87.91	1.138	0.261	/
					Left Edge Tilt	0	58	5290	0.14	0.097	10.36	10.50	1.033	87.91	1.138	0.114	/
					Top Edge	0	58	5290	0.09	0.072	10.36	10.50	1.033	87.91	1.138	0.085	/
			HUBBLE	Main	Front Side	0	58	5290	0.12	0.129	10.15	10.50	1.084	87.91	1.138	0.159	/
					Back Side	0	58	5290	-0.16	0.360	10.15	10.50	1.084	87.91	1.138	0.444	/
					Right Edge	0	58	5290	-0.06	0.826	10.15	10.50	1.084	87.91	1.138	1.019	5#
					Right Edge Tilt	0	58	5290	-0.14	0.805	10.15	10.50	1.084	87.91	1.138	0.993	/
					Top Edge	0	58	5290	0.06	0.099	10.15	10.50	1.084	87.91	1.138	0.122	/
			INNOWAVE	Main	Front Side	0	58	5290	0.03	0.049	10.15	10.50	1.084	87.91	1.138	0.060	/
					Back Side	0	58	5290	-0.18	0.132	10.15	10.50	1.084	87.91	1.138	0.163	/
					Right Edge	0	58	5290	-0.10	0.431	10.15	10.50	1.084	87.91	1.138	0.532	/
					Right Edge Tilt	0	58	5290	0.01	0.235	10.15	10.50	1.084	87.91	1.138	0.290	/
					Top Edge	0	58	5290	-0.05	0.045	10.15	10.50	1.084	87.91	1.138	0.056	/
5.6G	802.11ac (VHT80)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	122	5610	-0.06	0.058	9.19	10.50	1.352	87.91	1.138	0.089	/
					Back Side	0	122	5610	-0.02	0.109	9.19	10.50	1.352	87.91	1.138	0.168	/
					Left Edge	0	122	5610	0.07	0.384	9.19	10.50	1.352	87.91	1.138	0.591	6#
					Left Edge Tilt	0	122	5610	0.05	0.204	9.19	10.50	1.352	87.91	1.138	0.314	/
					Top Edge	0	122	5610	0.16	0.130	9.19	10.50	1.352	87.91	1.138	0.200	/
			INNOWAVE	Aux.	Front Side	0	122	5610	-0.07	0.043	9.19	10.50	1.352	87.91	1.138	0.066	/
					Back Side	0	122	5610	0.03	0.029	9.19	10.50	1.352	87.91	1.138	0.045	/
					Left Edge	0	122	5610	-0.05	0.192	9.19	10.50	1.352	87.91	1.138	0.295	/
					Left Edge Tilt	0	122	5610	-0.11	0.063	9.19	10.50	1.352	87.91	1.138	0.097	/
					Top Edge	0	122	5610	-0.11	0.075	9.19	10.50	1.352	87.91	1.138	0.115	/
			HUBBLE	Main	Front Side	0	122	5610	-0.13	0.136	9.38	10.50	1.294	87.91	1.138	0.200	/
					Back Side	0	122	5610	0.13	0.217	9.38	10.50	1.294	87.91	1.138	0.320	/
					Right Edge	0	122	5610	0.06	0.735	9.38	10.50	1.294	87.91	1.138	1.082	/

5.8G	802.11ac (VHT80)	MT7922A 12L			Right Edge Tilt	0	122	5610	-0.13	0.723	9.38	10.50	1.294	87.91	1.138	1.065	/
					Top Edge	0	122	5610	0.04	0.070	9.38	10.50	1.294	87.91	1.138	0.103	/
					Right Edge	0	106	5530	-0.08	0.749	9.19	10.50	1.352	87.91	1.138	1.152	7#
			INNOWAVE	Main	Front Side	0	122	5610	0.05	0.053	9.38	10.50	1.294	87.91	1.138	0.078	/
					Back Side	0	122	5610	-0.08	0.097	9.38	10.50	1.294	87.91	1.138	0.143	/
					Right Edge	0	122	5610	0.19	0.374	9.38	10.50	1.294	87.91	1.138	0.551	/
					Right Edge Tilt	0	122	5610	-0.13	0.222	9.38	10.50	1.294	87.91	1.138	0.327	/
					Top Edge	0	122	5610	-0.05	0.039	9.38	10.50	1.294	87.91	1.138	0.057	/
			HUBBLE	Aux.	Front Side	0	155	5775	-0.14	0.081	9.71	10.00	1.069	87.91	1.138	0.099	/
					Back Side	0	155	5775	-0.11	0.124	9.71	10.00	1.069	87.91	1.138	0.151	/
					Left Edge	0	155	5775	-0.04	0.463	9.71	10.00	1.069	87.91	1.138	0.563	/
					Left Edge Tilt	0	155	5775	0.03	0.251	9.71	10.00	1.069	87.91	1.138	0.305	/
					Top Edge	0	155	5775	-0.12	0.150	9.71	10.00	1.069	87.91	1.138	0.182	/
			INNOWAVE	Aux.	Front Side	0	155	5775	-0.14	0.079	9.71	10.00	1.069	87.91	1.138	0.096	/
					Back Side	0	155	5775	-0.01	0.059	9.71	10.00	1.069	87.91	1.138	0.072	/
					Left Edge	0	155	5775	0.04	0.494	9.71	10.00	1.069	87.91	1.138	0.601	8#
					Left Edge Tilt	0	155	5775	0.12	0.237	9.71	10.00	1.069	87.91	1.138	0.288	/
					Top Edge	0	155	5775	0.05	0.152	9.71	10.00	1.069	87.91	1.138	0.185	/
			HUBBLE	Main	Front Side	0	155	5775	-0.15	0.200	9.81	10.00	1.045	87.91	1.138	0.238	/
					Back Side	0	155	5775	0.07	0.373	9.81	10.00	1.045	87.91	1.138	0.444	/
					Right Edge	0	155	5775	-0.16	1.000	9.81	10.00	1.045	87.91	1.138	1.189	9#
					Right Edge Tilt	0	155	5775	0.04	0.902	9.81	10.00	1.045	87.91	1.138	1.073	/
					Top Edge	0	155	5775	-0.11	0.129	9.81	10.00	1.045	87.91	1.138	0.153	/
			INNOWAVE	Main	Front Side	0	155	5775	-0.14	0.220	9.81	10.00	1.045	87.91	1.138	0.262	/
					Back Side	0	155	5775	-0.14	0.276	9.81	10.00	1.045	87.91	1.138	0.328	/
					Right Edge	0	155	5775	0.10	0.814	9.81	10.00	1.045	87.91	1.138	0.968	/
					Right Edge Tilt	0	155	5775	0.06	0.785	9.81	10.00	1.045	87.91	1.138	0.934	/
					Top Edge	0	155	5775	-0.05	0.110	9.81	10.00	1.045	87.91	1.138	0.131	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

Fre. Band	Mode	Chip Model	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.
Limb																	
5.3G	802.11ac (VHT80)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	58	5290	0.17	0.019	10.36	10.50	1.033	87.91	1.138	0.022	/
					Back Side	0	58	5290	0.09	0.035	10.36	10.50	1.033	87.91	1.138	0.041	/
					Left Edge	0	58	5290	-0.01	0.111	10.36	10.50	1.033	87.91	1.138	0.130	4#
					Left Edge Tilt	0	58	5290	0.14	0.090	10.36	10.50	1.033	87.91	1.138	0.106	/
					Top Edge	0	58	5290	-0.01	0.036	10.36	10.50	1.033	87.91	1.138	0.042	/
			INNOWAVE	Aux.	Front Side	0	58	5290	-0.02	0.014	10.36	10.50	1.033	87.91	1.138	0.016	/
					Back Side	0	58	5290	-0.14	0.012	10.36	10.50	1.033	87.91	1.138	0.014	/
					Left Edge	0	58	5290	-0.08	0.061	10.36	10.50	1.033	87.91	1.138	0.072	/
					Left Edge Tilt	0	58	5290	0.14	0.027	10.36	10.50	1.033	87.91	1.138	0.032	/
					Top Edge	0	58	5290	0.09	0.020	10.36	10.50	1.033	87.91	1.138	0.024	/
			HUBBLE	Main	Front Side	0	58	5290	0.12	0.036	10.15	10.50	1.084	87.91	1.138	0.044	/
					Back Side	0	58	5290	-0.16	0.099	10.15	10.50	1.084	87.91	1.138	0.122	/
					Right Edge	0	58	5290	-0.06	0.230	10.15	10.50	1.084	87.91	1.138	0.284	5#
					Right Edge Tilt	0	58	5290	-0.14	0.225	10.15	10.50	1.084	87.91	1.138	0.278	/
					Top Edge	0	58	5290	0.06	0.028	10.15	10.50	1.084	87.91	1.138	0.035	/
			INNOWAVE	Main	Front Side	0	58	5290	0.03	0.014	10.15	10.50	1.084	87.91	1.138	0.017	/
					Back Side	0	58	5290	-0.18	0.037	10.15	10.50	1.084	87.91	1.138	0.046	/
					Right Edge	0	58	5290	-0.10	0.120	10.15	10.50	1.084	87.91	1.138	0.148	/
					Right Edge Tilt	0	58	5290	0.01	0.066	10.15	10.50	1.084	87.91	1.138	0.081	/
					Top Edge	0	58	5290	-0.05	0.013	10.15	10.50	1.084	87.91	1.138	0.016	/
5.6G	802.11ac (VHT80)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	122	5610	-0.06	0.036	9.19	10.50	1.352	87.91	1.138	0.055	/
					Back Side	0	122	5610	-0.02	0.099	9.19	10.50	1.352	87.91	1.138	0.152	/
					Left Edge	0	122	5610	0.07	0.101	9.19	10.50	1.352	87.91	1.138	0.155	6#
					Left Edge Tilt	0	122	5610	0.05	0.054	9.19	10.50	1.352	87.91	1.138	0.083	/
					Top Edge	0	122	5610	0.16	0.034	9.19	10.50	1.352	87.91	1.138	0.052	/
			INNOWAVE	Aux.	Front Side	0	122	5610	-0.07	0.011	9.19	10.50	1.352	87.91	1.138	0.017	/
					Back Side	0	122	5610	0.03	0.008	9.19	10.50	1.352	87.91	1.138	0.012	/
					Left Edge	0	122	5610	-0.05	0.051	9.19	10.50	1.352	87.91	1.138	0.078	/
					Left Edge Tilt	0	122	5610	-0.11	0.017	9.19	10.50	1.352	87.91	1.138	0.026	/
					Top Edge	0	122	5610	-0.11	0.020	9.19	10.50	1.352	87.91	1.138	0.031	/
			HUBBLE	Main	Front Side	0	122	5610	-0.13	0.036	9.38	10.50	1.294	87.91	1.138	0.053	/
					Back Side	0	122	5610	0.13	0.058	9.38	10.50	1.294	87.91	1.138	0.085	/
					Right Edge	0	122	5610	0.06	0.190	9.38	10.50	1.294	87.91	1.138	0.280	/
					Right Edge Tilt	0	122	5610	-0.13	0.189	9.38	10.50	1.294	87.91	1.138	0.278	/

5.8G	802.11ac (VHT80)	MT7922A 12L			Top Edge	0	122	5610	0.04	0.018	9.38	10.50	1.294	87.91	1.138	0.027	/
					Right Edge	0	106	5530	-0.08	0.191	9.19	10.50	1.352	87.91	1.138	0.294	7#
			INNOWAVE	Main	Front Side	0	122	5610	0.05	0.014	9.38	10.50	1.294	87.91	1.138	0.021	/
					Back Side	0	122	5610	-0.08	0.025	9.38	10.50	1.294	87.91	1.138	0.037	/
					Right Edge	0	122	5610	0.19	0.096	9.38	10.50	1.294	87.91	1.138	0.141	/
					Right Edge Tilt	0	122	5610	-0.13	0.057	9.38	10.50	1.294	87.91	1.138	0.084	/
					Top Edge	0	122	5610	-0.05	0.010	9.38	10.50	1.294	87.91	1.138	0.015	/
					Top Edge	0	122	5610	-0.05	0.010	9.38	10.50	1.294	87.91	1.138	0.015	/
			HUBBLE	Aux.	Front Side	0	155	5775	-0.14	0.000	9.71	10.00	1.069	87.91	1.138	0.000	/
					Back Side	0	155	5775	-0.11	0.021	9.71	10.00	1.069	87.91	1.138	0.026	/
					Left Edge	0	155	5775	-0.04	0.032	9.71	10.00	1.069	87.91	1.138	0.039	/
					Left Edge Tilt	0	155	5775	0.03	0.119	9.71	10.00	1.069	87.91	1.138	0.145	/
					Top Edge	0	155	5775	-0.12	0.065	9.71	10.00	1.069	87.91	1.138	0.079	/
			INNOWAVE	Aux.	Front Side	0	155	5775	-0.14	0.039	9.71	10.00	1.069	87.91	1.138	0.047	/
					Back Side	0	155	5775	-0.01	0.016	9.71	10.00	1.069	87.91	1.138	0.019	/
					Left Edge	0	155	5775	0.04	0.128	9.71	10.00	1.069	87.91	1.138	0.156	8#
					Left Edge Tilt	0	155	5775	0.12	0.061	9.71	10.00	1.069	87.91	1.138	0.074	/
					Top Edge	0	155	5775	0.05	0.039	9.71	10.00	1.069	87.91	1.138	0.047	/
			HUBBLE	Main	Front Side	0	155	5775	-0.15	0.052	9.81	10.00	1.045	87.91	1.138	0.062	/
					Back Side	0	155	5775	0.07	0.096	9.81	10.00	1.045	87.91	1.138	0.114	/
					Right Edge	0	155	5775	-0.16	0.246	9.81	10.00	1.045	87.91	1.138	0.293	9#
					Right Edge Tilt	0	155	5775	0.04	0.225	9.81	10.00	1.045	87.91	1.138	0.268	/
					Top Edge	0	155	5775	-0.11	0.032	9.81	10.00	1.045	87.91	1.138	0.038	/
			INNOWAVE	Main	Front Side	0	155	5775	-0.14	0.055	9.81	10.00	1.045	87.91	1.138	0.065	/
					Back Side	0	155	5775	-0.14	0.069	9.81	10.00	1.045	87.91	1.138	0.082	/
					Right Edge	0	155	5775	0.10	0.203	9.81	10.00	1.045	87.91	1.138	0.241	/
					Right Edge Tilt	0	155	5775	0.06	0.195	9.81	10.00	1.045	87.91	1.138	0.232	/
					Top Edge	0	155	5775	-0.05	0.027	9.81	10.00	1.045	87.91	1.138	0.032	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

10.4WIFI 6GHz (Without Handle)

Fre. Band	Mode	Chip Model	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																	
6G	802.11ax (HE160)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	79	6345	-0.19	0.055	9.45	9.50	1.012	80.28	1.246	0.069	/
					Back Side	0	79	6345	-0.16	0.082	9.45	9.50	1.012	80.28	1.246	0.103	/
					Left Edge	0	79	6345	0.12	0.490	9.45	9.50	1.012	80.28	1.246	0.618	/
					Left Edge Tilt	0	79	6345	0.03	0.326	9.45	9.50	1.012	87.91	1.138	0.375	/
					Top Edge	0	79	6345	0.06	0.087	9.45	9.50	1.012	80.28	1.246	0.110	/
					Left Edge	0	15	5025	0.17	0.602	9.11	9.50	1.094	80.28	1.246	0.821	/
					Left Edge	0	47	6185	-0.06	0.603	9.10	9.50	1.096	80.28	1.246	0.823	/
					Left Edge	0	111	6505	0.15	0.469	9.01	9.50	1.119	80.28	1.246	0.654	/
					Left Edge	0	143	6665	-0.02	0.480	9.14	9.50	1.086	80.28	1.246	0.650	/
					Left Edge	0	175	6825	0.01	0.408	9.40	9.50	1.023	80.28	1.246	0.520	/
					Left Edge	0	207	6985	-0.03	0.323	9.38	9.50	1.028	80.28	1.246	0.414	/
			INNOWAVE	Aux.	Front Side	0	79	6345	0.19	0.082	9.45	9.50	1.012	80.28	1.246	0.103	/
					Back Side	0	79	6345	0.09	0.094	9.45	9.50	1.012	80.28	1.246	0.119	/
					Left Edge	0	79	6345	0.03	0.569	9.45	9.50	1.012	80.28	1.246	0.717	/
					Left Edge Tilt	0	79	6345	0.03	0.447	9.45	9.50	1.012	87.91	1.138	0.515	/
					Top Edge	0	79	6345	0.17	0.163	9.45	9.50	1.012	80.28	1.246	0.206	/
					Left Edge	0	15	5025	0.00	0.659	9.11	9.50	1.094	80.28	1.246	0.898	/
					Left Edge	0	47	6185	-0.01	0.452	9.10	9.50	1.096	80.28	1.246	0.617	/
					Left Edge	0	111	6505	-0.06	0.689	9.01	9.50	1.119	80.28	1.246	0.961	/
					Left Edge	0	143	6665	-0.02	0.535	9.14	9.50	1.086	80.28	1.246	0.724	/
					Left Edge	0	175	6825	-0.11	0.649	9.40	9.50	1.023	80.28	1.246	0.827	/
					Left Edge	0	207	6985	-0.05	0.752	9.38	9.50	1.028	80.28	1.246	0.963	10#
			HUBBLE	Main	Front Side	0	15	6025	0.16	0.138	9.49	9.50	1.002	80.28	1.246	0.172	/
					Back Side	0	15	6025	-0.16	0.269	9.49	9.50	1.002	80.28	1.246	0.336	/
					Right Edge	0	15	6025	-0.09	0.766	9.49	9.50	1.002	80.28	1.246	0.956	/
					Right Edge Tilt	0	15	6025	-0.19	0.744	9.49	9.50	1.002	80.28	1.246	0.929	/
					Top Edge	0	15	6025	0.10	0.082	9.49	9.50	1.002	80.28	1.246	0.102	/
					Right Edge	0	47	6185	0.10	0.730	9.34	9.50	1.038	80.28	1.246	0.944	/
					Right Edge	0	79	6345	-0.04	0.547	9.39	9.50	1.026	80.28	1.246	0.699	/
					Right Edge	0	111	6505	-0.18	0.484	9.38	9.50	1.028	80.28	1.246	0.620	/
					Right Edge	0	143	6665	-0.10	0.263	9.00	9.50	1.122	80.28	1.246	0.368	/
					Right Edge	0	175	6825	-0.01	0.303	9.48	9.50	1.005	80.28	1.246	0.379	/

					Right Edge	0	207	6985	0.08	0.214	9.03	9.50	1.114	80.28	1.246	0.297	/
					Front Side	0	15	6025	-0.19	0.118	9.49	9.50	1.002	80.28	1.246	0.147	/
					Back Side	0	15	6025	0.05	0.241	9.49	9.50	1.002	80.28	1.246	0.301	/
					Right Edge	0	15	6025	-0.06	0.852	9.49	9.50	1.002	80.28	1.246	1.064	11#
					Right Edge Tilt	0	15	6025	0.03	0.789	9.49	9.50	1.002	80.28	1.246	0.985	/
					Top Edge	0	15	6025	0.01	0.086	9.49	9.50	1.002	80.28	1.246	0.107	/
					Right Edge	0	47	6185	0.15	0.814	9.34	9.50	1.038	80.28	1.246	1.053	/
					Right Edge	0	79	6345	-0.18	0.635	9.39	9.50	1.026	80.28	1.246	0.812	/
					Right Edge	0	111	6505	0.04	0.628	9.38	9.50	1.028	80.28	1.246	0.804	/
					Right Edge	0	143	6665	-0.10	0.276	9.00	9.50	1.122	80.28	1.246	0.386	/
					Right Edge	0	175	6825	0.09	0.292	9.48	9.50	1.005	80.28	1.246	0.366	/
					Right Edge	0	207	6985	-0.19	0.188	9.03	9.50	1.114	80.28	1.246	0.261	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

Fre. Band	Mode	Chip Model	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.
Limb																	
6G	802.11ax (HE160)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	79	6345	-0.19	0.011	9.45	9.50	1.012	80.28	1.246	0.014	/
					Back Side	0	79	6345	-0.16	0.017	9.45	9.50	1.012	80.28	1.246	0.021	/
					Left Edge	0	79	6345	0.12	0.102	9.45	9.50	1.012	80.28	1.246	0.129	/
					Left Edge Tilt	0	79	6345	0.03	0.068	9.45	9.50	1.012	87.91	1.138	0.078	/
					Top Edge	0	79	6345	0.06	0.018	9.45	9.50	1.012	80.28	1.246	0.023	/
					Left Edge	0	15	5025	0.17	0.125	9.11	9.50	1.094	80.28	1.246	0.170	/
					Left Edge	0	47	6185	-0.06	0.125	9.10	9.50	1.096	80.28	1.246	0.171	/
					Left Edge	0	111	6505	0.15	0.098	9.01	9.50	1.119	80.28	1.246	0.137	/
					Left Edge	0	143	6665	-0.02	0.100	9.14	9.50	1.086	80.28	1.246	0.135	/
					Left Edge	0	175	6825	0.01	0.085	9.40	9.50	1.023	80.28	1.246	0.108	/
					Left Edge	0	207	6985	-0.03	0.067	9.38	9.50	1.028	80.28	1.246	0.086	/
			INNOWAVE	Aux.	Front Side	0	79	6345	0.19	0.017	9.45	9.50	1.012	80.28	1.246	0.021	/
					Back Side	0	79	6345	0.09	0.020	9.45	9.50	1.012	80.28	1.246	0.025	/
					Left Edge	0	79	6345	0.03	0.118	9.45	9.50	1.012	80.28	1.246	0.149	/
					Left Edge Tilt	0	79	6345	0.03	0.093	9.45	9.50	1.012	87.91	1.138	0.107	/
					Top Edge	0	79	6345	0.17	0.034	9.45	9.50	1.012	80.28	1.246	0.043	/
					Left Edge	0	15	5025	0.00	0.137	9.11	9.50	1.094	80.28	1.246	0.187	/
					Left Edge	0	47	6185	-0.01	0.094	9.10	9.50	1.096	80.28	1.246	0.128	/
					Left Edge	0	111	6505	-0.06	0.137	9.01	9.50	1.119	80.28	1.246	0.191	/
					Left Edge	0	143	6665	-0.02	0.111	9.14	9.50	1.086	80.28	1.246	0.150	/
					Left Edge	0	175	6825	-0.11	0.135	9.40	9.50	1.023	80.28	1.246	0.172	/
					Left Edge	0	207	6985	-0.05	0.153	9.38	9.50	1.028	80.28	1.246	0.196	10#
			HUBBLE	Main	Front Side	0	15	6025	0.16	0.033	9.49	9.50	1.002	80.28	1.246	0.041	/
					Back Side	0	15	6025	-0.16	0.064	9.49	9.50	1.002	80.28	1.246	0.080	/
					Right Edge	0	15	6025	-0.09	0.183	9.49	9.50	1.002	80.28	1.246	0.228	/
					Right Edge Tilt	0	15	6025	-0.19	0.179	9.49	9.50	1.002	80.28	1.246	0.223	/
					Top Edge	0	15	6025	0.10	0.020	9.49	9.50	1.002	80.28	1.246	0.025	/
					Right Edge	0	47	6185	0.10	0.174	9.34	9.50	1.038	80.28	1.246	0.225	/
					Right Edge	0	79	6345	-0.04	0.131	9.39	9.50	1.026	80.28	1.246	0.167	/
					Right Edge	0	111	6505	-0.18	0.116	9.38	9.50	1.028	80.28	1.246	0.149	/
					Right Edge	0	143	6665	-0.10	0.063	9.00	9.50	1.122	80.28	1.246	0.088	/
					Right Edge	0	175	6825	-0.01	0.072	9.48	9.50	1.005	80.28	1.246	0.090	/
					Right Edge	0	207	6985	0.08	0.051	9.03	9.50	1.114	80.28	1.246	0.071	/
			INNOWAVE	Main	Front Side	0	15	6025	-0.19	0.031	9.49	9.50	1.002	80.28	1.246	0.039	/

					Back Side	0	15	6025	0.05	0.059	9.49	9.50	1.002	80.28	1.246	0.074	/
					Right Edge	0	15	6025	-0.06	0.201	9.49	9.50	1.002	80.28	1.246	0.251	11#
					Right Edge Tilt	0	15	6025	0.03	0.189	9.49	9.50	1.002	80.28	1.246	0.236	/
					Top Edge	0	15	6025	0.01	0.021	9.49	9.50	1.002	80.28	1.246	0.026	/
					Right Edge	0	47	6185	0.15	0.192	9.34	9.50	1.038	80.28	1.246	0.248	/
					Right Edge	0	79	6345	-0.18	0.152	9.39	9.50	1.026	80.28	1.246	0.194	/
					Right Edge	0	111	6505	0.04	0.150	9.38	9.50	1.028	80.28	1.246	0.192	/
					Right Edge	0	143	6665	-0.10	0.069	9.00	9.50	1.122	80.28	1.246	0.096	/
					Right Edge	0	175	6825	0.09	0.071	9.48	9.50	1.005	80.28	1.246	0.089	/
					Right Edge	0	207	6985	-0.19	0.046	9.03	9.50	1.114	80.28	1.246	0.064	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

10.5 Bluetooth (Strap Handle)

Mode	Chip Model	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																
DH5	MT7922A12L	HUBBLE	Aux.	Front Side	0	39	2441	0.01	0.185	12.95	13.50	1.135	76.88	1.301	0.273	/
				Back Side	0	39	2441	-0.15	0.150	12.95	13.50	1.135	76.88	1.301	0.221	/
				Top Edge	0	39	2441	0.05	0.189	12.95	13.50	1.135	76.88	1.301	0.279	/
		INNOWAVE	Aux.	Front Side	0	39	2441	0.12	0.208	12.95	13.50	1.135	76.88	1.301	0.307	/
				Back Side	0	39	2441	-0.19	0.149	12.95	13.50	1.135	76.88	1.301	0.220	/
				Top Edge	0	39	2441	0.05	0.218	12.95	13.50	1.135	76.88	1.301	0.322	12#
2-DH5	AC6956C	HUBBLE	/	Front Side	0	78	2480	-0.05	0.005	-2.91	-2.00	1.233	76.88	1.301	0.008	/
				Back Side	0	78	2480	0.08	0.004	-2.91	-2.00	1.233	76.88	1.301	0.006	/
				Bottom Edge	0	78	2480	-0.05	0.008	-2.91	-2.00	1.233	76.88	1.301	0.013	/
		INNOWAVE	/	Front Side	0	78	2480	0.11	0.004	-2.91	-2.00	1.233	76.88	1.301	0.006	/
				Back Side	0	78	2480	-0.06	0.005	-2.91	-2.00	1.233	76.88	1.301	0.008	/
				Bottom Edge	0	78	2480	0.06	0.008	-2.91	-2.00	1.233	76.88	1.301	0.013	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

Mode	Chip Model	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.
Limb																
DH5	MT7922A12L	HUBBLE	Aux.	Front Side	0	39	2441	0.01	0.085	12.95	13.50	1.135	76.88	1.301	0.126	/
				Back Side	0	39	2441	-0.15	0.071	12.95	13.50	1.135	76.88	1.301	0.105	/
				Top Edge	0	39	2441	0.05	0.087	12.95	13.50	1.135	76.88	1.301	0.128	/
		INNOWAVE	Aux.	Front Side	0	39	2441	0.12	0.098	12.95	13.50	1.135	76.88	1.301	0.145	/
				Back Side	0	39	2441	-0.19	0.069	12.95	13.50	1.135	76.88	1.301	0.102	/
				Top Edge	0	39	2441	0.05	0.101	12.95	13.50	1.135	76.88	1.301	0.149	12#
2-DH5	AC6956C	HUBBLE	/	Front Side	0	78	2480	-0.05	0.003	-2.91	-2.00	1.233	76.88	1.301	0.005	/
				Back Side	0	78	2480	0.08	0.002	-2.91	-2.00	1.233	76.88	1.301	0.003	/
				Bottom Edge	0	78	2480	-0.05	0.005	-2.91	-2.00	1.233	76.88	1.301	0.008	/
		INNOWAVE	/	Front Side	0	78	2480	0.11	0.002	-2.91	-2.00	1.233	76.88	1.301	0.003	/
				Back Side	0	78	2480	-0.06	0.002	-2.91	-2.00	1.233	76.88	1.301	0.003	/
				Bottom Edge	0	78	2480	0.06	0.004	-2.91	-2.00	1.233	76.88	1.301	0.006	/
Note:																
1. 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.																
2. 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.																
3. Refer to ANNEX C for the detailed test data for each test configuration.																

10.6WIFI 2.4GHz (Strap Handle)

Mode	Chip Model	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 b	MT7922A12L	HUBBLE	Aux.	Front Side	0	1	2412	-0.02	0.517	20.61	21.00	1.094	98.81	1.012	0.572	/
				Back Side	0	1	2412	-0.05	0.562	20.61	21.00	1.094	98.81	1.012	0.622	/
				Top Edge	0	1	2412	0.04	0.613	20.61	21.00	1.094	98.81	1.012	0.679	/
		INNOWAVE	Aux.	Front Side	0	1	2412	-0.01	0.572	20.61	21.00	1.094	98.81	1.012	0.633	/
				Back Side	0	1	2412	-0.05	0.676	20.61	21.00	1.094	98.81	1.012	0.748	/
				Top Edge	0	1	2412	-0.01	0.969	20.61	21.00	1.094	98.81	1.012	1.073	13#
				Top Edge	0	6	2437	-0.04	0.913	20.46	21.00	1.132	98.81	1.012	1.046	/
				Top Edge	0	11	2462	0.10	0.742	19.56	21.00	1.393	98.81	1.012	1.046	/
		HUBBLE	Main	Front Side	0	1	2412	-0.02	0.274	20.96	21.00	1.009	98.81	1.012	0.280	/
				Back Side	0	1	2412	0.01	0.503	20.96	21.00	1.009	98.81	1.012	0.514	14#
				Top Edge	0	1	2412	-0.01	0.492	20.96	21.00	1.009	98.81	1.012	0.502	/
		INNOWAVE	Main	Front Side	0	1	2412	0.14	0.316	20.96	21.00	1.009	98.81	1.012	0.323	/
				Back Side	0	1	2412	0.19	0.493	20.96	21.00	1.009	98.81	1.012	0.503	/
				Top Edge	0	1	2412	0.16	0.499	20.96	21.00	1.009	98.81	1.012	0.510	/
Note:																
1. 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.																
2. 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.																
3. Refer to ANNEX C for the detailed test data for each test configuration.																

Mode	Chip Model	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.
Limb																
802.11 b	MT7922A12L	HUBBLE	Aux.	Front Side	0	1	2412	-0.02	0.246	20.61	21.00	1.094	98.81	1.012	0.272	/
				Back Side	0	1	2412	-0.05	0.267	20.61	21.00	1.094	98.81	1.012	0.296	/
				Top Edge	0	1	2412	0.04	0.293	20.61	21.00	1.094	98.81	1.012	0.324	/
		INNOWAVE	Aux.	Front Side	0	1	2412	-0.01	0.272	20.61	21.00	1.094	98.81	1.012	0.301	/
				Back Side	0	1	2412	-0.05	0.324	20.61	21.00	1.094	98.81	1.012	0.359	/
				Top Edge	0	1	2412	-0.01	0.462	20.61	21.00	1.094	98.81	1.012	0.511	13#
				Top Edge	0	6	2437	-0.04	0.435	20.46	21.00	1.132	98.81	1.012	0.498	/
				Top Edge	0	11	2462	0.10	0.354	19.56	21.00	1.393	98.81	1.012	0.499	/
		HUBBLE	Main	Front Side	0	1	2412	-0.02	0.128	20.96	21.00	1.009	98.81	1.012	0.131	/

				Back Side	0	1	2412	0.01	0.235	20.96	21.00	1.009	98.81	1.012	0.240	14#
				Top Edge	0	1	2412	-0.01	0.229	20.96	21.00	1.009	98.81	1.012	0.234	/
		INNOWAVE	Main	Front Side	0	1	2412	0.14	0.147	20.96	21.00	1.009	98.81	1.012	0.150	/
				Back Side	0	1	2412	0.19	0.230	20.96	21.00	1.009	98.81	1.012	0.235	/
				Top Edge	0	1	2412	0.16	0.233	20.96	21.00	1.009	98.81	1.012	0.238	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

10.7WIFI 5GHz (Strap Handle)

Fre. Band	Mode	Chip Model	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	802.11n(HT40)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	54	5270	-0.05	0.205	15.38	16.00	1.153	93.04	1.075	0.254	/
					Back Side	0	54	5270	-0.07	0.312	15.38	16.00	1.153	93.04	1.075	0.387	/
					Top Edge	0	54	5270	0.04	0.384	15.38	16.00	1.153	93.04	1.075	0.476	/
					Back Side	0	62	5310	-0.15	0.396	15.16	16.00	1.213	93.04	1.075	0.516	/
			INNOWAVE	Aux.	Front Side	0	54	5270	-0.11	0.390	15.38	16.00	1.153	93.04	1.075	0.483	/
					Back Side	0	54	5270	0.08	0.339	15.38	16.00	1.153	93.04	1.075	0.420	/
					Top Edge	0	54	5270	0.09	0.567	15.38	16.00	1.153	93.04	1.075	0.703	15#
					Top Edge	0	62	5310	0.08	0.450	15.16	16.00	1.213	93.04	1.075	0.587	/
			HUBBLE	Main	Front Side	0	54	5270	-0.08	0.296	15.47	16.00	1.130	93.04	1.075	0.360	/
					Back Side	0	54	5270	0.02	0.965	15.47	16.00	1.130	93.04	1.075	1.172	16#
					Top Edge	0	54	5270	0.05	0.264	15.47	16.00	1.130	93.04	1.075	0.321	/
					Back Side	0	62	5310	0.14	0.809	15.06	16.00	1.242	93.04	1.075	1.080	/
			INNOWAVE	Main	Front Side	0	54	5270	-0.03	0.456	15.47	16.00	1.130	93.04	1.075	0.554	/
					Back Side	0	54	5270	0.13	0.854	15.47	16.00	1.130	93.04	1.075	1.037	/
					Top Edge	0	54	5270	0.14	0.220	15.47	16.00	1.130	93.04	1.075	0.267	/
					Back Side	0	62	5310	-0.16	0.593	15.06	16.00	1.242	93.04	1.075	0.792	/
5.6G	802.11ac (VHT80)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	122	5610	-0.04	0.178	15.42	15.50	1.019	87.91	1.138	0.206	/
					Back Side	0	122	5610	0.19	0.406	15.42	15.50	1.019	87.91	1.138	0.471	/
					Top Edge	0	122	5610	-0.02	0.431	15.42	15.50	1.019	87.91	1.138	0.500	/
					Top Edge	0	106	5530	0.15	0.351	15.21	15.50	1.069	87.91	1.138	0.427	/
					Top Edge	0	138	5690	0.18	0.501	15.32	15.50	1.042	87.91	1.138	0.594	/
			INNOWAVE	Aux.	Front Side	0	122	5610	0.07	0.200	15.42	15.50	1.019	87.91	1.138	0.232	/
					Back Side	0	122	5610	-0.08	0.342	15.42	15.50	1.019	87.91	1.138	0.397	/
					Top Edge	0	122	5610	0.12	0.640	15.42	15.50	1.019	87.91	1.138	0.742	/
					Top Edge	0	106	5530	0.15	0.564	15.21	15.50	1.069	87.91	1.138	0.686	/
					Top Edge	0	138	5690	0.04	0.796	15.32	15.50	1.042	87.91	1.138	0.944	17#
			HUBBLE	Main	Front Side	0	138	5690	0.01	0.510	15.15	15.50	1.084	87.91	1.138	0.629	/
					Back Side	0	138	5690	0.05	0.789	15.15	15.50	1.084	87.91	1.138	0.973	/
					Top Edge	0	138	5690	-0.12	0.250	15.15	15.50	1.084	87.91	1.138	0.308	/
					Back Side	0	106	5530	-0.03	0.904	15.09	15.50	1.099	87.91	1.138	1.131	18#
					Back Side	0	122	5610	-0.08	0.775	15.03	15.50	1.114	87.91	1.138	0.982	/
			INNOWAVE	Main	Front Side	0	138	5690	-0.10	0.509	15.15	15.50	1.084	87.91	1.138	0.628	/
					Back Side	0	138	5690	0.09	0.800	15.15	15.50	1.084	87.91	1.138	0.987	/

5.8G	802.11ac (VHT80)	MT7922A 12L			Top Edge	0	138	5690	-0.18	0.212	15.15	15.50	1.084	87.91	1.138	0.262	/
					Back Side	0	106	5530	0.04	0.788	15.09	15.50	1.099	87.91	1.138	0.986	/
					Back Side	0	122	5610	0.13	0.810	15.03	15.50	1.114	87.91	1.138	1.027	/
			HUBBLE	Aux.	Front Side	0	155	5775	-0.10	0.165	14.82	16.00	1.312	87.91	1.138	0.246	/
					Back Side	0	155	5775	0.07	0.385	14.82	16.00	1.312	87.91	1.138	0.575	/
					Top Edge	0	155	5775	-0.09	0.532	14.82	16.00	1.312	87.91	1.138	0.794	/
			INNOWAVE	Aux.	Front Side	0	155	5775	0.14	0.322	14.82	16.00	1.312	87.91	1.138	0.481	/
					Back Side	0	155	5775	0.17	0.412	14.82	16.00	1.312	87.91	1.138	0.615	/
					Top Edge	0	155	5775	-0.08	0.616	14.82	16.00	1.312	87.91	1.138	0.920	19#
			HUBBLE	Main	Front Side	0	155	5775	0.16	0.478	14.80	16.00	1.318	87.91	1.138	0.717	/
					Back Side	0	155	5775	0.04	0.704	14.80	16.00	1.318	87.91	1.138	1.056	/
					Top Edge	0	155	5775	0.09	0.204	14.80	16.00	1.318	87.91	1.138	0.306	/
			INNOWAVE	Main	Front Side	0	155	5775	0.01	0.529	14.80	16.00	1.318	87.91	1.138	0.793	/
					Back Side	0	155	5775	0.11	0.752	14.80	16.00	1.318	87.91	1.138	1.128	20#
					Top Edge	0	155	5775	0.19	0.211	14.80	16.00	1.318	87.91	1.138	0.316	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

Fre. Band	Mode	Chip Model	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.
Limb																	
5.3G	802.11n(HT40)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	54	5270	-0.05	0.071	15.38	16.00	1.153	93.04	1.075	0.088	/
					Back Side	0	54	5270	-0.07	0.106	15.38	16.00	1.153	93.04	1.075	0.131	/
					Top Edge	0	54	5270	0.04	0.131	15.38	16.00	1.153	93.04	1.075	0.162	/
					Back Side	0	62	5310	-0.15	0.134	15.16	16.00	1.213	93.04	1.075	0.175	/
			INNOWAVE	Aux.	Front Side	0	54	5270	-0.11	0.131	15.38	16.00	1.153	93.04	1.075	0.162	/
					Back Side	0	54	5270	0.08	0.115	15.38	16.00	1.153	93.04	1.075	0.143	/
					Top Edge	0	54	5270	0.09	0.191	15.38	16.00	1.153	93.04	1.075	0.237	15#
					Top Edge	0	62	5310	0.08	0.151	15.16	16.00	1.213	93.04	1.075	0.197	/
			HUBBLE	Main	Front Side	0	54	5270	-0.08	0.099	15.47	16.00	1.130	93.04	1.075	0.120	/
					Back Side	0	54	5270	0.02	0.321	15.47	16.00	1.130	93.04	1.075	0.390	16#
					Top Edge	0	54	5270	0.05	0.089	15.47	16.00	1.130	93.04	1.075	0.108	/
					Back Side	0	62	5310	0.14	0.272	15.06	16.00	1.242	93.04	1.075	0.363	/
			INNOWAVE	Main	Front Side	0	54	5270	-0.03	0.152	15.47	16.00	1.130	93.04	1.075	0.185	/
					Back Side	0	54	5270	0.13	0.284	15.47	16.00	1.130	93.04	1.075	0.345	/
					Top Edge	0	54	5270	0.14	0.073	15.47	16.00	1.130	93.04	1.075	0.089	/
					Back Side	0	62	5310	-0.16	0.197	15.06	16.00	1.242	93.04	1.075	0.263	/
5.6G	802.11ac (VHT80)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	122	5610	-0.04	0.056	15.42	15.50	1.019	87.91	1.138	0.065	/
					Back Side	0	122	5610	0.19	0.128	15.42	15.50	1.019	87.91	1.138	0.148	/
					Top Edge	0	122	5610	-0.02	0.136	15.42	15.50	1.019	87.91	1.138	0.158	/
					Top Edge	0	106	5530	0.15	0.111	15.21	15.50	1.069	87.91	1.138	0.135	/
					Top Edge	0	138	5690	0.18	0.158	15.32	15.50	1.042	87.91	1.138	0.187	/
			INNOWAVE	Aux.	Front Side	0	122	5610	0.07	0.063	15.42	15.50	1.019	87.91	1.138	0.073	/
					Back Side	0	122	5610	-0.08	0.108	15.42	15.50	1.019	87.91	1.138	0.125	/
					Top Edge	0	122	5610	0.12	0.202	15.42	15.50	1.019	87.91	1.138	0.234	/
					Top Edge	0	106	5530	0.15	0.178	15.21	15.50	1.069	87.91	1.138	0.217	/
					Top Edge	0	138	5690	0.04	0.251	15.32	15.50	1.042	87.91	1.138	0.298	17#
			HUBBLE	Main	Front Side	0	138	5690	0.01	0.167	15.15	15.50	1.084	87.91	1.138	0.206	/
					Back Side	0	138	5690	0.05	0.258	15.15	15.50	1.084	87.91	1.138	0.318	/
					Top Edge	0	138	5690	-0.12	0.082	15.15	15.50	1.084	87.91	1.138	0.101	/
					Back Side	0	106	5530	-0.03	0.297	15.09	15.50	1.099	87.91	1.138	0.371	18#
					Back Side	0	122	5610	-0.08	0.253	15.03	15.50	1.114	87.91	1.138	0.321	/
			INNOWAVE	Main	Front Side	0	138	5690	-0.10	0.166	15.15	15.50	1.084	87.91	1.138	0.205	/
					Back Side	0	138	5690	0.09	0.262	15.15	15.50	1.084	87.91	1.138	0.323	/
					Top Edge	0	138	5690	-0.18	0.069	15.15	15.50	1.084	87.91	1.138	0.085	/

5.8G	802.11ac (VHT80)	MT7922A 12L			Back Side	0	106	5530	0.04	0.258	15.09	15.50	1.099	87.91	1.138	0.323	/
					Back Side	0	122	5610	0.13	0.265	15.03	15.50	1.114	87.91	1.138	0.336	/
			HUBBLE	Aux.	Front Side	0	155	5775	-0.10	0.051	14.82	16.00	1.312	87.91	1.138	0.076	/
					Back Side	0	155	5775	0.07	0.120	14.82	16.00	1.312	87.91	1.138	0.179	/
					Top Edge	0	155	5775	-0.09	0.166	14.82	16.00	1.312	87.91	1.138	0.248	/
			INNOWAVE	Aux.	Front Side	0	155	5775	0.14	0.100	14.82	16.00	1.312	87.91	1.138	0.149	/
					Back Side	0	155	5775	0.17	0.129	14.82	16.00	1.312	87.91	1.138	0.193	/
					Top Edge	0	155	5775	-0.08	0.193	14.82	16.00	1.312	87.91	1.138	0.288	19#
			HUBBLE	Main	Front Side	0	155	5775	0.16	0.151	14.80	16.00	1.318	87.91	1.138	0.226	/
					Back Side	0	155	5775	0.04	0.222	14.80	16.00	1.318	87.91	1.138	0.333	/
					Top Edge	0	155	5775	0.09	0.064	14.80	16.00	1.318	87.91	1.138	0.096	/
			INNOWAVE	Main	Front Side	0	155	5775	0.01	0.167	14.80	16.00	1.318	87.91	1.138	0.250	/
					Back Side	0	155	5775	0.11	0.239	14.80	16.00	1.318	87.91	1.138	0.358	20#
					Top Edge	0	155	5775	0.19	0.066	14.80	16.00	1.318	87.91	1.138	0.099	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

10.8WIFI 6GHz (Strap Handle)

Fre. Band	Mode	Chip Model	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																	
6G	802.11ax (HE160)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	79	6345	-0.19	0.055	9.45	9.50	1.012	80.28	1.246	0.069	/
					Back Side	0	79	6345	-0.16	0.082	9.45	9.50	1.012	80.28	1.246	0.103	/
					Top Edge	0	79	6345	0.11	0.088	9.45	9.50	1.012	80.28	1.246	0.111	/
					Top Edge	0	15	5025	0.12	0.108	9.11	9.50	1.094	80.28	1.246	0.147	/
					Top Edge	0	47	6185	-0.15	0.101	9.10	9.50	1.096	80.28	1.246	0.138	/
					Top Edge	0	111	6505	-0.16	0.109	9.01	9.50	1.119	80.28	1.246	0.152	/
					Top Edge	0	143	6665	0.00	0.095	9.14	9.50	1.086	80.28	1.246	0.129	/
					Top Edge	0	175	6825	-0.11	0.086	9.40	9.50	1.023	80.28	1.246	0.110	/
					Top Edge	0	207	6985	-0.10	0.050	9.38	9.50	1.028	80.28	1.246	0.064	/
			INNOWAVE	Aux.	Front Side	0	79	6345	0.19	0.082	9.45	9.50	1.012	80.28	1.246	0.103	/
					Back Side	0	79	6345	0.09	0.094	9.45	9.50	1.012	80.28	1.246	0.119	/
					Top Edge	0	79	6345	-0.05	0.147	9.45	9.50	1.012	80.28	1.246	0.185	/
					Top Edge	0	15	5025	-0.15	0.168	9.11	9.50	1.094	80.28	1.246	0.229	/
					Top Edge	0	47	6185	-0.02	0.146	9.10	9.50	1.096	80.28	1.246	0.199	/
					Top Edge	0	111	6505	-0.07	0.192	9.01	9.50	1.119	80.28	1.246	0.268	21#
					Top Edge	0	143	6665	-0.05	0.087	9.14	9.50	1.086	80.28	1.246	0.118	/
					Top Edge	0	175	6825	-0.13	0.106	9.40	9.50	1.023	80.28	1.246	0.135	/
					Top Edge	0	207	6985	0.01	0.101	9.38	9.50	1.028	80.28	1.246	0.129	/
			HUBBLE	Main	Front Side	0	15	6025	0.16	0.138	9.49	9.50	1.002	80.28	1.246	0.172	/
					Back Side	0	15	6025	-0.16	0.269	9.49	9.50	1.002	80.28	1.246	0.336	/
					Top Edge	0	15	6025	-0.06	0.080	9.49	9.50	1.002	80.28	1.246	0.100	/
					Back Side	0	47	6185	-0.06	0.250	9.34	9.50	1.038	80.28	1.246	0.323	/
					Back Side	0	79	6345	0.05	0.182	9.39	9.50	1.026	80.28	1.246	0.233	/
					Back Side	0	111	6505	-0.10	0.212	9.38	9.50	1.028	80.28	1.246	0.272	/
					Back Side	0	143	6665	-0.07	0.115	9.00	9.50	1.122	80.28	1.246	0.161	/
					Back Side	0	175	6825	-0.14	0.121	9.48	9.50	1.005	80.28	1.246	0.152	/
					Back Side	0	207	6985	-0.14	0.088	9.03	9.50	1.114	80.28	1.246	0.122	/
			INNOWAVE	Main	Front Side	0	15	6025	-0.19	0.118	9.49	9.50	1.002	80.28	1.246	0.147	/
					Back Side	0	15	6025	0.05	0.241	9.49	9.50	1.002	80.28	1.246	0.301	/
					Top Edge	0	15	6025	0.11	0.088	9.49	9.50	1.002	80.28	1.246	0.110	/
					Back Side	0	47	6185	-0.14	0.299	9.34	9.50	1.038	80.28	1.246	0.387	22#
					Back Side	0	79	6345	0.19	0.153	9.39	9.50	1.026	80.28	1.246	0.196	/

					Back Side	0	111	6505	-0.13	0.208	9.38	9.50	1.028	80.28	1.246	0.266	/
					Back Side	0	143	6665	-0.07	0.090	9.00	9.50	1.122	80.28	1.246	0.126	/
					Back Side	0	175	6825	0.00	0.104	9.48	9.50	1.005	80.28	1.246	0.130	/
					Back Side	0	207	6985	0.04	0.068	9.03	9.50	1.114	80.28	1.246	0.094	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

Fre. Band	Mode	Chip Model	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.
Limb																	
6G	802.11ax (HE160)	MT7922A 12L	HUBBLE	Aux.	Front Side	0	79	6345	-0.19	0.018	9.45	9.50	1.012	80.28	1.246	0.023	/
					Back Side	0	79	6345	-0.16	0.027	9.45	9.50	1.012	80.28	1.246	0.034	/
					Top Edge	0	79	6345	0.11	0.029	9.45	9.50	1.012	80.28	1.246	0.037	/
					Top Edge	0	15	5025	0.12	0.035	9.11	9.50	1.094	80.28	1.246	0.048	/
					Top Edge	0	47	6185	-0.15	0.033	9.10	9.50	1.096	80.28	1.246	0.045	/
					Top Edge	0	111	6505	-0.16	0.036	9.01	9.50	1.119	80.28	1.246	0.050	/
					Top Edge	0	143	6665	0.00	0.031	9.14	9.50	1.086	80.28	1.246	0.042	/
					Top Edge	0	175	6825	-0.11	0.028	9.40	9.50	1.023	80.28	1.246	0.036	/
					Top Edge	0	207	6985	-0.10	0.016	9.38	9.50	1.028	80.28	1.246	0.020	/
			INNOWAVE	Aux.	Front Side	0	79	6345	0.19	0.027	9.45	9.50	1.012	80.28	1.246	0.034	/
					Back Side	0	79	6345	0.09	0.031	9.45	9.50	1.012	80.28	1.246	0.039	/
					Top Edge	0	79	6345	-0.05	0.048	9.45	9.50	1.012	80.28	1.246	0.061	/
					Top Edge	0	15	5025	-0.15	0.055	9.11	9.50	1.094	80.28	1.246	0.075	/
					Top Edge	0	47	6185	-0.02	0.048	9.10	9.50	1.096	80.28	1.246	0.066	/
					Top Edge	0	111	6505	-0.07	0.063	9.01	9.50	1.119	80.28	1.246	0.088	21#
					Top Edge	0	143	6665	-0.05	0.028	9.14	9.50	1.086	80.28	1.246	0.038	/
					Top Edge	0	175	6825	-0.13	0.035	9.40	9.50	1.023	80.28	1.246	0.045	/
					Top Edge	0	207	6985	0.01	0.033	9.38	9.50	1.028	80.28	1.246	0.042	/
			HUBBLE	Main	Front Side	0	15	6025	0.16	0.041	9.49	9.50	1.002	80.28	1.246	0.051	/
					Back Side	0	15	6025	-0.16	0.081	9.49	9.50	1.002	80.28	1.246	0.101	/
					Top Edge	0	15	6025	-0.06	0.024	9.49	9.50	1.002	80.28	1.246	0.030	/
					Back Side	0	47	6185	-0.06	0.075	9.34	9.50	1.038	80.28	1.246	0.097	/
					Back Side	0	79	6345	0.05	0.055	9.39	9.50	1.026	80.28	1.246	0.070	/
					Back Side	0	111	6505	-0.10	0.064	9.38	9.50	1.028	80.28	1.246	0.082	/

					Back Side	0	143	6665	-0.07	0.035	9.00	9.50	1.122	80.28	1.246	0.049	/
					Back Side	0	175	6825	-0.14	0.036	9.48	9.50	1.005	80.28	1.246	0.045	/
					Back Side	0	207	6985	-0.14	0.026	9.03	9.50	1.114	80.28	1.246	0.036	/
			INNOWAVE	Main	Front Side	0	15	6025	-0.19	0.035	9.49	9.50	1.002	80.28	1.246	0.044	/
					Back Side	0	15	6025	0.05	0.072	9.49	9.50	1.002	80.28	1.246	0.090	/
					Top Edge	0	15	6025	0.11	0.026	9.49	9.50	1.002	80.28	1.246	0.032	/
					Back Side	0	47	6185	-0.14	0.090	9.34	9.50	1.038	80.28	1.246	0.116	22#
					Back Side	0	79	6345	0.19	0.048	9.39	9.50	1.026	80.28	1.246	0.061	/
					Back Side	0	111	6505	-0.13	0.064	9.38	9.50	1.028	80.28	1.246	0.082	/
					Back Side	0	143	6665	-0.07	0.029	9.00	9.50	1.122	80.28	1.246	0.041	/
					Back Side	0	175	6825	0.00	0.033	9.48	9.50	1.005	80.28	1.246	0.041	/
					Back Side	0	207	6985	0.04	0.022	9.03	9.50	1.114	80.28	1.246	0.031	/

Note:

1. 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.
2. 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.
3. Refer to ANNEX C for the detailed test data for each test configuration.

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.

Mode	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
Without Handle	2462	802.11b	INNOWAVE	Aux.	Body	Left Edge	0.816	Yes	0.804	1.01
	2437	802.11b	INNOWAVE	Aux.	Body	Left Edge	0.895	Yes	0.873	1.03
	5290	802.11ac(VHT80)	HUBBLE	Main	Body	Right Edge	0.826	Yes	0.813	1.02
	5290	802.11ac(VHT80)	HUBBLE	Main	Body	Right Edge Tilt	0.805	Yes	0.798	1.01
	5775	802.11ac(VHT80)	HUBBLE	Main	Body	Right Edge	1.000	Yes	0.987	1.01
	5775	802.11ac(VHT80)	HUBBLE	Main	Body	Right Edge Tilt	0.902	Yes	0.895	1.01
	5775	802.11ac(VHT80)	INNOWAVE	Main	Body	Right Edge	0.814	Yes	0.807	1.01
	6025	802.11ax(HE160)	INNOWAVE	Main	Body	Right Edge	0.852	Yes	0.843	1.01
Strap Handle	6185	802.11ax(HE160)	INNOWAVE	Main	Body	Right Edge	0.814	Yes	0.809	1.01
	2412	802.11b	INNOWAVE	Aux.	Body	Top Edge	0.969	Yes	0.942	1.03
	2437	802.11b	INNOWAVE	Aux.	Body	Top Edge	0.913	Yes	0.899	1.02
	5270	802.11n(HT40)	HUBBLE	Main	Body	Back Side	0.965	Yes	0.936	1.03
	5310	802.11n(HT40)	HUBBLE	Main	Body	Back Side	0.809	Yes	0.784	1.03
	5270	802.11n(HT40)	INNOWAVE	Main	Body	Back Side	0.854	Yes	0.837	1.02
	5530	802.11ac(VHT80)	HUBBLE	Main	Body	Back Side	0.904	Yes	0.883	1.02
	5690	802.11ac(VHT80)	INNOWAVE	Main	Body	Back Side	0.800	Yes	0.776	1.03
	5610	802.11ac(VHT80)	INNOWAVE	Main	Body	Back Side	0.810	Yes	0.785	1.03
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 to KDB 447498 D04, simultaneous transmission:

- a) $SPLSR = (SAR1 + SAR2)^{1.5} / R_i$ (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.
- b) If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
- c) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

12.1 Simultaneous Transmission Mode Considerations

No.	Simultaneous Tx Combination	Body	Limb
1	WLAN 2.4GHz (Antenna Main) + WLAN 2.4GHz (Antenna Auxiliary) + Bluetooth(AC6956C)	Yes	Yes
2	Bluetooth(MT7922A12L) + WLAN 5GHz (Antenna Auxiliary)+WLAN 5GHz (Antenna Main) + Bluetooth(AC6956C)	Yes	Yes
3	Bluetooth(MT7922A12L) + WLAN 6GHz (Antenna Auxiliary)+WLAN 6GHz (Antenna Main) + Bluetooth(AC6956C)	Yes	Yes
Note: 1. The EUT supports the Antenna Auxiliary with TX/RX diversity function for WLAN and Bluetooth, the Antenna Main with TX/RX diversity function for WLAN. 2. WLAN 2.4GHz and Bluetooth will not be transmitting from the Antenna Auxiliary at same time. 3. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.			

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Body Simultaneous Transmission SAR Evaluation for WLAN Antenna with Bluetooth

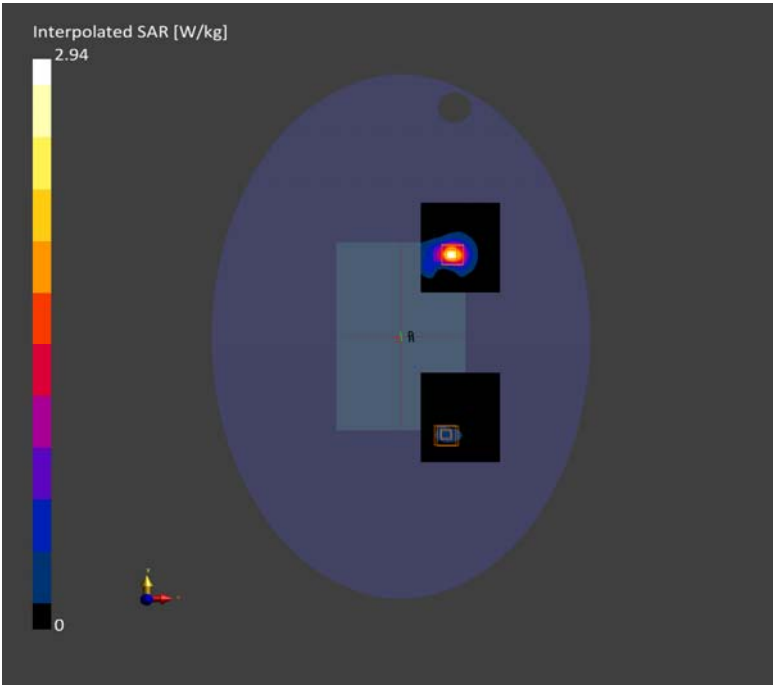
State	Position		Stand alone SAR														SUM SAR		
			1	2	3	4				5				6	7	8			
			Bluetooth (MT7922A12L)	WLAN 2.4GHz (Antenna Auxiliary)	WLAN 2.4GHz (Antenna Main)	WLAN 5.2&5.3GHz (Antenna Auxiliary)	WLAN 5.6GHz (Antenna Auxiliary)	WLAN 5.8GHz (Antenna Auxiliary)	MAX. WLAN 5GHz (Antenna Auxiliary)	WLAN 5.2&5.3GHz (Antenna Main)	WLAN 5.6GHz (Antenna Main)	WLAN 5.8GHz (Antenna Main)	MAX. WLAN 5GHz (Antenna Main)	WLAN 6GHz (Antenna Auxiliary)	WLAN 6GHz (Antenna Main)	Bluetooth (AC6956C)	Sum SAR (2+3+8)	Sum SAR (1+4+5+8)	Sum SAR (1+6+7+8)
Body	Tablet	Front Side	0.317	0.223	0.126	0.080	0.089	0.099	0.099	0.159	0.200	0.261	0.261	0.103	0.172	0.008	0.357	0.685	0.600
		Back Side	0.229	0.133	0.385	0.148	0.168	0.151	0.168	0.444	0.319	0.443	0.444	0.118	0.336	0.008	0.526	0.849	0.691
		Left Edge	0.626	0.971	0.000	0.476	0.591	0.601	0.601	0.000	0.000	0.000	0.000	0.963	0.000	0.000	0.971	1.227	1.589
		Left Edge Tilt	0.546	0.337	0.000	0.384	0.314	0.305	0.384	0.000	0.000	0.000	0.000	0.514	0.000	0.000	0.337	0.930	1.060
		Right Edge	0.000	0.000	0.464	0.000	0.000	0.000	0.000	1.018	1.152	1.188	1.188	0.000	1.064	0.013	0.477	1.201	1.077
		Right Edge Tilt	0.000	0.000	0.712	0.000	0.000	0.000	0.000	0.993	1.064	1.072	1.072	0.000	0.985	0.018	0.730	1.090	1.003
		Top Edge	0.332	0.347	0.203	0.153	0.200	0.185	0.200	0.122	0.103	0.153	0.153	0.205	0.107	0.000	0.550	0.685	0.644
Note:																			
1: The highest Summed 1g SAR is 1.589W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.																			

State	Position		Stand alone SAR														SUM SAR			SPLS R (Yes/ No)	SPLS R Num.
			1	2	3	4				5				6	7	8					
			Blueto oth (MT79 22A12 L)	WLAN 2.4GH z (Anten na Auxilia ry)	WLAN 2.4GH z (Anten na Main)	WLAN 5.2&5. 3GHz (Anten na Auxilia ry)	WLAN 5.6GH z (Anten na Auxilia ry)	WLAN 5.8GH z (Anten na Auxilia ry)	MAX. WLAN 5GHz (Anten na Auxilia ry)	WLAN 5.2&5. 3GHz (Anten na Main)	WLAN 5.6GH z (Anten na Main)	WLAN 5.8GH z (Anten na Main)	MAX. WLAN 5GHz (Anten na Main)	WLAN 6GHz (Anten na Auxilia ry)	WLAN 6GHz (Anten na Main)	Blueto oth (AC69 56C)	Sum SAR (2+3+ 8)	Sum SAR (1+4+ 5+8)	Sum SAR (1+6+ 7+8)		
Body	Tablet	Front Side	0.307	0.633	0.323	0.483	0.232	0.481	0.483	0.554	0.629	0.793	0.793	0.103	0.172	0.008	0.964	1.591	0.590	No	/
		Back Side	0.221	0.748	0.514	0.420	0.471	0.615	0.615	1.172	1.131	1.128	1.172	0.119	0.387	0.008	1.270	2.016	0.735	Yes	1#
		Top Edge	0.322	1.073	0.510	0.703	0.944	0.920	0.944	0.321	0.308	0.316	0.321	0.268	0.110	0.000	1.583	1.587	0.700	No	/
Note:																					
1: The highest Summed 1g SAR is 2.016W/Kg > 1.6 W/kg, so SPLSR is required.																					

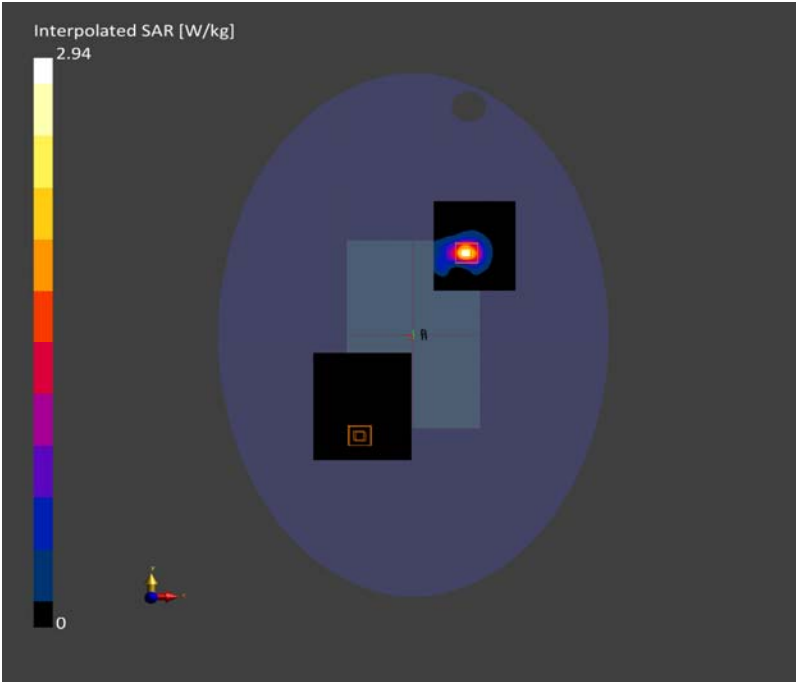
SPLSR Analysis 1#

Plot No	Chip Model	Band	Position	SAR (W/kg)	Summed SAR (W/kg)
1	MT7922A12L	WLAN5G Ant.Aux+BT	Back Side	0.836	2.016
2	MT7922A12L	WLAN5G Ant.Main		1.172	
3	AC6956C	BT		0.008	

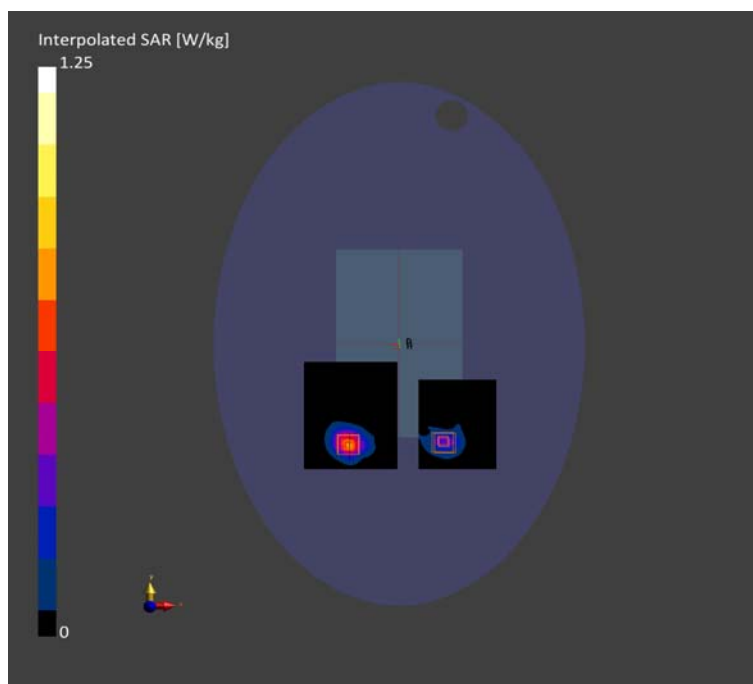
Case 1	Chip Model	Band	Position	SAR (W/kg)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Plot No					X	Y	Z				
1	MT7922A12L	WLAN5G Ant.Aux+BT	Back Side	0.836	0.043996	-0.104994	-0.175561	196.1	2.01	0.01	Not required
2	AC6956C	BT		1.172	0.049995	0.090997	-0.175588				



Case 2	Chip Model	Band	Position	SAR (W/kg)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Plot No					X	Y	Z				
1	MT7922A12L	WLAN5G Ant.Aux+BT	Back Side	0.836	0.043996	-0.104994	-0.175561	100.6	0.84	0.01	Not required
3	AC6956C	BT		0.008	-0.056201	-0.113596	-0.175545				



Case 3	Chip Model	Band	Position	SAR (W/kg)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Plot No					X	Y	Z				
2	MT7922A12L	WLAN5G Ant.Aux+BT	Back Side	1.172	0.049995	0.090997	-0.175588	230.5	1.18	0.01	Not required
3	AC6956C	BT		0.008	-0.056201	-0.113596	-0.175545				



12.2.2 Limb Simultaneous Transmission SAR Evaluation for WLAN Antenna with Bluetooth

State	Position		Stand alone SAR													SUM SAR			
			1	2	3	4				5				6	7				8
			Bluetooth (MT7922A12L)	WLAN 2.4GHz (Antenna Auxiliary)	WLAN 2.4GHz (Antenna Main)	WLAN 5.2&5.8GHz (Antenna Auxiliary)	WLAN 5.6GHz (Antenna Auxiliary)	WLAN 5.8GHz (Antenna Auxiliary)	MAX. WLAN 5GHz (Antenna Auxiliary)	WLAN 5.2&5.8GHz (Antenna Main)	WLAN 5.6GHz (Antenna Main)	WLAN 5.8GHz (Antenna Main)	MAX. WLAN 5GHz (Antenna Main)	WLAN 6GHz (Antenna Auxiliary)	WLAN 6GHz (Antenna Main)	Bluetooth (AC6956C)	Sum SAR (2+3+8)	Sum SAR (1+4+5+8)	Sum SAR (1+6+7+8)
Limb	Tablet	Front Side	0.100	0.079	0.043	0.022	0.055	0.047	0.055	0.044	0.053	0.065	0.065	0.021	0.041	0.003	0.125	0.223	0.165
		Back Side	0.074	0.047	0.134	0.041	0.152	0.026	0.152	0.122	0.085	0.114	0.122	0.025	0.080	0.003	0.184	0.351	0.182
		Left Edge	0.204	0.301	0.000	0.130	0.155	0.156	0.156	0.000	0.000	0.000	0.000	0.196	0.000	0.000	0.301	0.360	0.400
		Left Edge Tilt	0.171	0.119	0.000	0.106	0.083	0.145	0.145	0.000	0.000	0.000	0.000	0.107	0.000	0.000	0.119	0.316	0.278
		Right Edge	0.000	0.000	0.165	0.000	0.000	0.000	0.000	0.284	0.280	0.293	0.293	0.000	0.251	0.005	0.170	0.298	0.256

		Right Edge Tilt	0.000	0.000	0.245	0.000	0.000	0.000	0.000	0.278	0.278	0.268	0.278	0.000	0.236	0.006	0.251	0.284	0.242
		Top Edge	0.103	0.121	0.072	0.042	0.052	0.079	0.079	0.035	0.027	0.038	0.038	0.043	0.026	0.000	0.193	0.220	0.172

Note:

1: The highest Summed 10g SAR is 0.400W/Kg < 4.00 W/kg, so Simultaneous Transmission SAR test is not required.

State	Position		Stand alone SAR														SUM SAR		
			1	2	3	4				5				6	7	8			
			Blueto oth (MT79 22A12 L)	WLAN 2.4GH z (Anten na Auxiliar y)	WLAN 2.4GH z (Anten na Main)	WLAN 5.2&5. 3GHz (Anten na Auxiliar y)	WLAN 5.6GH z (Anten na Auxiliar y)	WLAN 5.8GH z (Anten na Auxiliar y)	MAX. WLAN 5GHz (Anten na Auxiliar y)	WLAN 5.2&5. 3GHz (Anten na Main)	WLAN 5.6GH z (Anten na Main)	WLAN 5.8GH z (Anten na Main)	MAX. WLAN 5GHz (Anten na Main)	WLAN 6GHz (Anten na Auxiliar y)	WLAN 6GHz (Anten na Main)	Blueto oth (AC69 56C)	Sum SAR (2+3+8)	Sum SAR (1+4+ 5+8)	Sum SAR (1+6+7 +8)

Limb	Tablet	Front Side	0.145	0.301	0.150	0.162	0.073	0.149	0.162	0.185	0.206	0.250	0.250	0.034	0.051	0.005	0.456	0.562	0.235
		Back Side	0.105	0.359	0.240	0.175	0.148	0.193	0.193	0.390	0.371	0.358	0.390	0.039	0.116	0.003	0.602	0.691	0.263
		Top Edge	0.149	0.511	0.238	0.237	0.298	0.288	0.298	0.108	0.101	0.099	0.108	0.088	0.032	0.008	0.757	0.563	0.277

Note:

1: The highest Summed 10g SAR is 0.757W/Kg < 4.00 W/kg, so SPLSR is required.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY6	16.0.0.116	N/A	N/A
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/17
6.5GHz Validation Dipole	Speag	D6.5GHzV2	SN: 1037	2021/07/01	2024/06/30
E-Field Probe	Speag	EX3DV4	SN: 7607	2023/07/04	2024/07/03
Data Acquisition Electronicsr	Speag	DAE4	SN: 878	2023/03/23	2024/03/22
Signal Generator	R&S	SMB100A	177746	2023/05/10	2024/05/09
Power Meter	R&S	NRVD-B2	835843/014	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z4	100381	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z2	100211	2022/09/06	2023/09/05
Network Analyzer	Agilent	E5071C	MY46103472	2022/12/06	2023/12/05
Thermometer	Elitech	RC-4HC	EF7216002985	2022/11/18	2023/11/17
Thermometer	Elitech	RC-4HC	EF720B004813	2022/11/18	2023/11/17
Power Amplifier	SATIMO	6552B	22374	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 (%)
2023.07.26	Head	2450	21.3	1.80	39.59	1.80	39.20	0.00	0.99
2023.07.27	Head	5250	21.4	4.70	35.88	4.71	35.93	-0.21	-0.14
2023.08.14	Head	5250	21.7	4.70	35.80	4.71	35.93	-0.21	-0.36
2023.07.28	Head	5600	21.7	5.05	35.15	5.07	35.53	-0.39	-1.07
2023.08.15	Head	5600	21.3	5.05	35.40	5.07	35.53	-0.39	-0.37
2023.07.31	Head	5750	21.5	5.18	35.50	5.22	35.36	-0.77	0.40
2023.08.16	Head	5750	21.1	5.18	35.51	5.22	35.36	-0.77	0.42
2023.08.01	Head	6500	21.1	6.03	34.56	6.07	34.46	-0.66	0.29

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 % (for 1 g).

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2023.07.26	Head	2450	100	5.34	53.40	53.00	0.75
2023.07.27	Head	5250	100	7.86	78.60	77.80	1.03
2023.08.14	Head	5250	100	7.46	74.60	77.80	-4.11
2023.07.28	Head	5600	100	8.14	81.40	81.20	0.25
2023.08.15	Head	5600	100	7.85	78.50	81.2	-3.33
2023.07.31	Head	5750	100	7.73	77.30	77.20	0.13
2023.08.16	Head	5750	100	7.87	78.70	77.20	1.94
2023.08.01	Head	6500	100	29.30	293.00	286.00	2.45

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

specification of 10 % (for 10 g).

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2023.07.26	Head	2450	100	2.38	23.80	24.10	-1.24
2023.07.27	Head	5250	100	2.22	22.20	22.10	0.45
2023.08.14	Head	5250	100	2.10	21.00	22.10	-4.98
2023.07.28	Head	5600	100	2.32	23.20	23.10	0.43
2023.08.15	Head	5600	100	2.23	22.30	23.10	-3.46
2023.07.31	Head	5750	100	2.14	21.40	21.70	-1.38
2023.08.16	Head	5750	100	2.26	22.60	21.70	4.15
2023.08.01	Head	6500	100	5.31	53.10	52.60	0.95

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

System Performance Check Data (2450MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D2450V2, SPEAG	40.0 x 8.0 x 8.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		Validation band	CW, 0--	2450.0, 2450	7.47	1.80	39.6	22.5	21.3

Hardware Setup

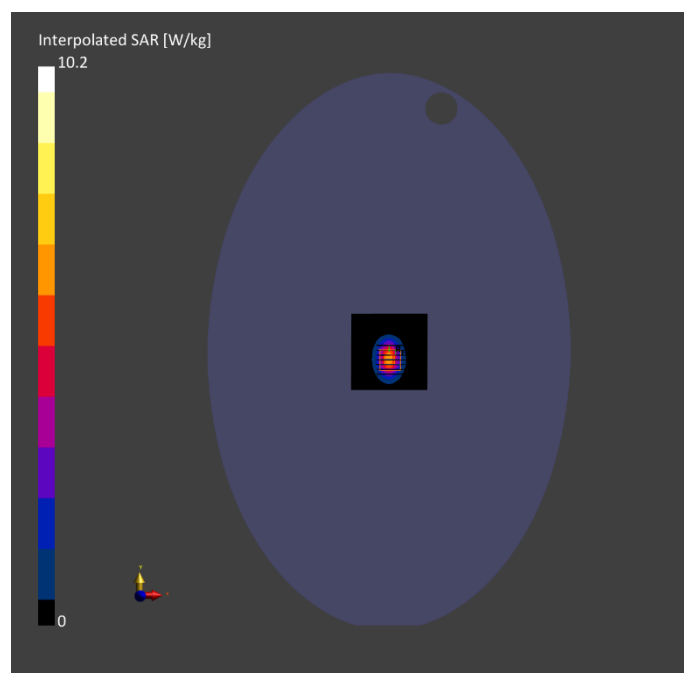
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-07-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	8.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-26	2023-07-26
psSAR1g [W/kg]	5.31	5.34
psSAR10g [W/kg]	2.25	2.38
Power Drift [dB]	0.02	0.06
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.1
Dist 3dB Peak [mm]		8.5



System Performance Check Data (5250MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		Validation band	CW, 0--	5250.0, 5250	5.41	4.70	35.9	22.4	21.4

Hardware Setup

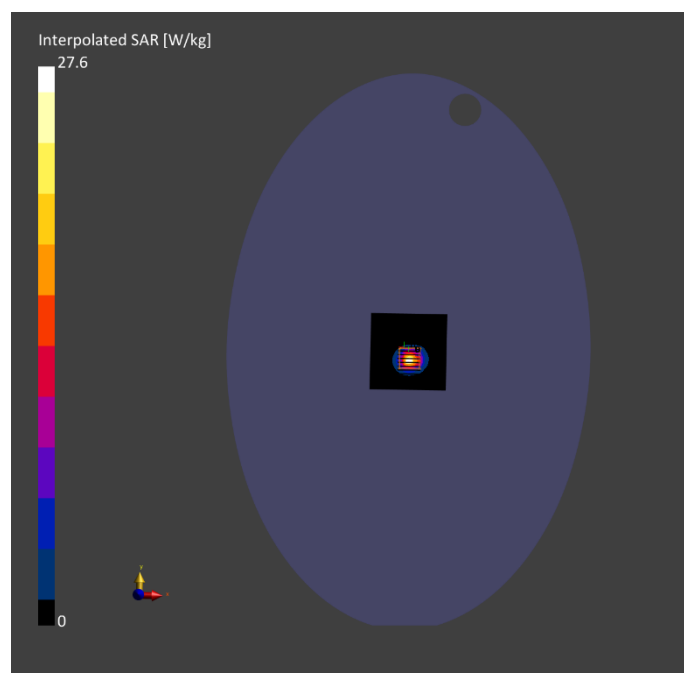
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-07-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-27	2023-07-27
psSAR1g [W/kg]	7.51	7.86
psSAR10g [W/kg]	2.03	2.22
Power Drift [dB]	0.03	0.03
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.9
Dist 3dB Peak [mm]		7.8



System Performance Check Data (5600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHzV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		Validation band	CW, 0--	5600.0, 5600	4.58	5.05	35.2	22.5	21.7

Hardware Setup

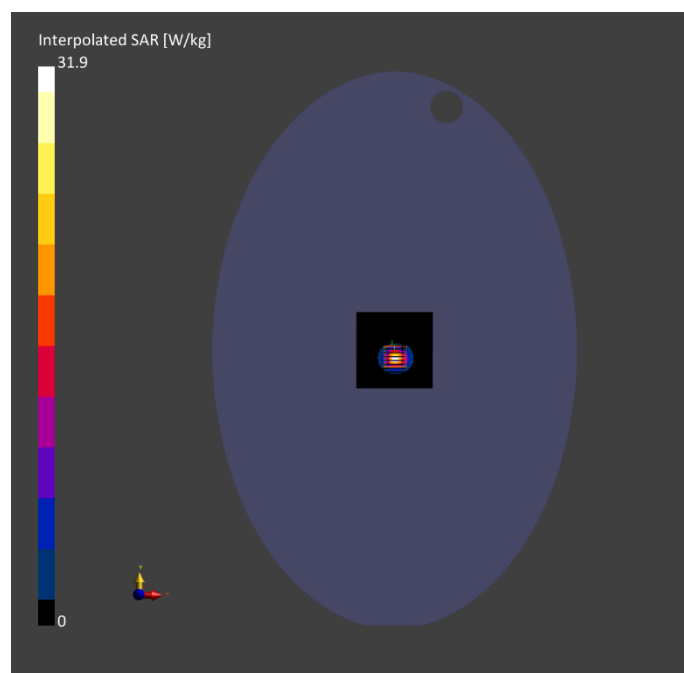
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-07-28	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-28	2023-07-28
psSAR1g [W/kg]	8.01	8.14
psSAR10g [W/kg]	2.22	2.32
Power Drift [dB]	-0.06	-0.11
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.6
Dist 3dB Peak [mm]		7.3



System Performance Check Data (5750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHzV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		Validation band	CW, 0--	5750.0, 5750	4.78	5.18	35.5	22.6	21.5

Hardware Setup

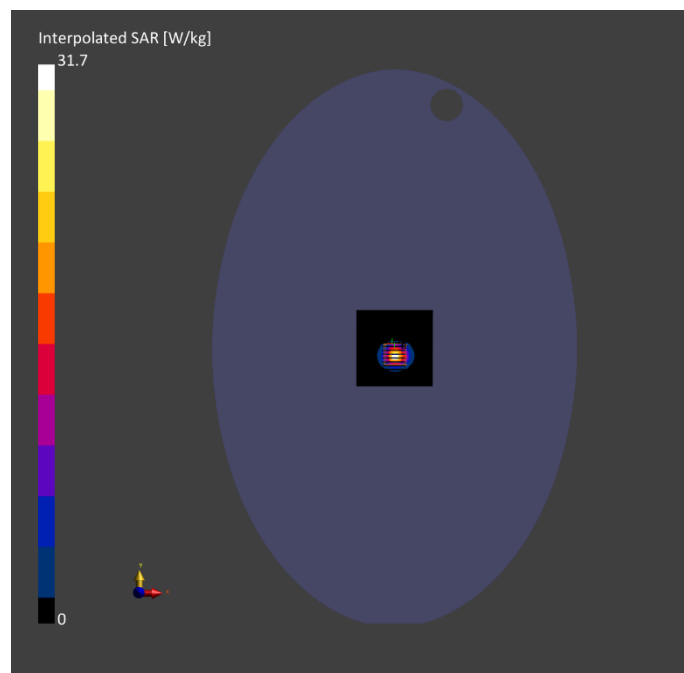
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-07-31	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor	3.0	1.4
Surface [mm]		
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-31	2023-07-31
psSAR1g [W/kg]	7.75	7.73
psSAR10g [W/kg]	2.08	2.14
Power Drift [dB]	0.07	0.14
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.7
Dist 3dB Peak [mm]		8.3



System Performance Check Data (6500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D6.5GHzV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		Validation band	CW, 0--	6500.0, 6500	5.38	6.03	34.6	22.3	21.1

Hardware Setup

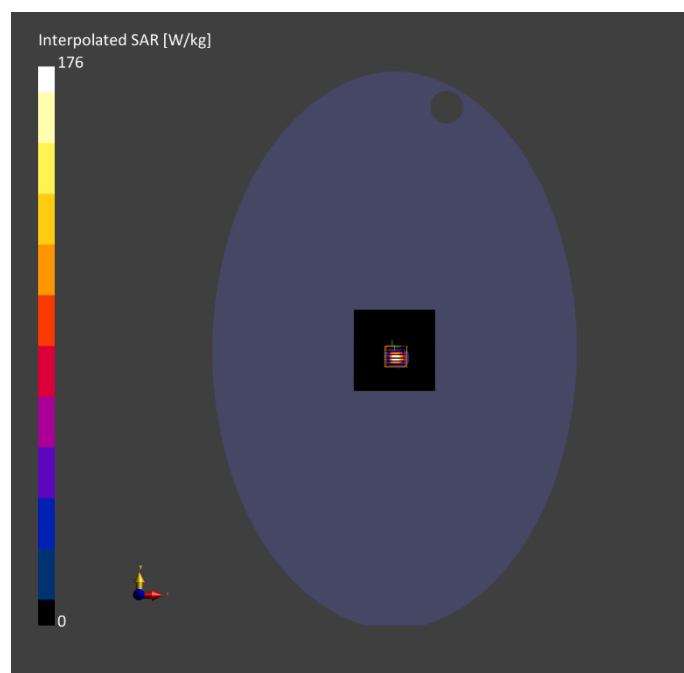
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-08-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-01	2023-08-01
psSAR1g [W/kg]	29.8	29.3
psSAR10g [W/kg]	5.05	5.31
APD4cm ² [W/m ²]		130
Power Drift [dB]	-0.06	-0.01
Power	Disabled	Disabled
Scaling		
Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.3
Dist 3dB Peak [mm]		4.6



System Performance Check Data (5250MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		Validation band	CW, 0--	5250.0, 5250	5.41	4.70	35.8	22.6	21.7

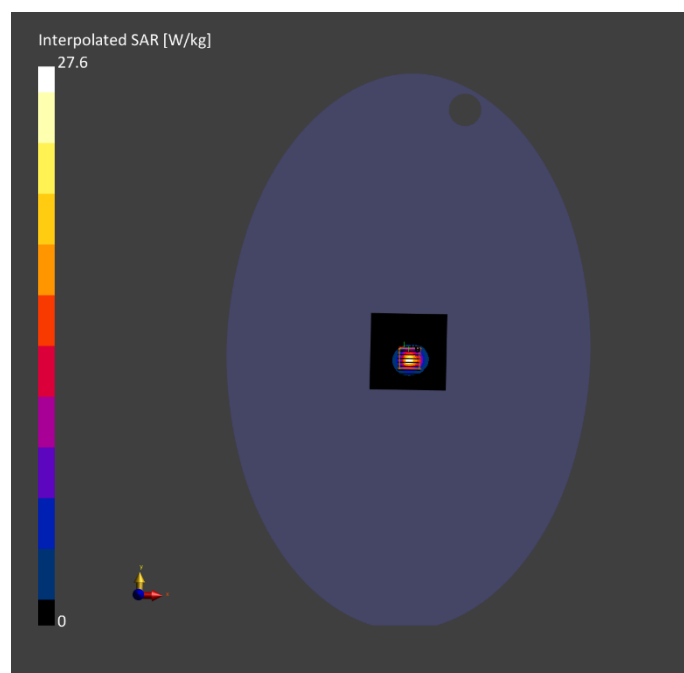
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-08-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0	Date	2023-08-14	2023-08-14
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	psSAR1g [W/kg]	6.89	7.46
Sensor	3.0	1.4	psSAR10g [W/kg]	1.97	2.10
Surface [mm]			Power Drift [dB]	-0.11	0.05
Graded Grid	Yes	Yes	Power	Disabled	Disabled
Grading Ratio	1.5	1.4	Scaling		
MAIA	N/A	N/A	Scaling		
Surface	All points	All points	Factor [dB]		
Detection			TSL	No correction	No correction
Scan Method	Measured	Measured	Correction		
			M2/M1 [%]		65.1
			Dist 3dB Peak [mm]		7.4



System Performance Check Data (5600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHzV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		Validation band	CW, 0--	5600.0, 5600	4.58	5.05	35.4	22.4	21.3

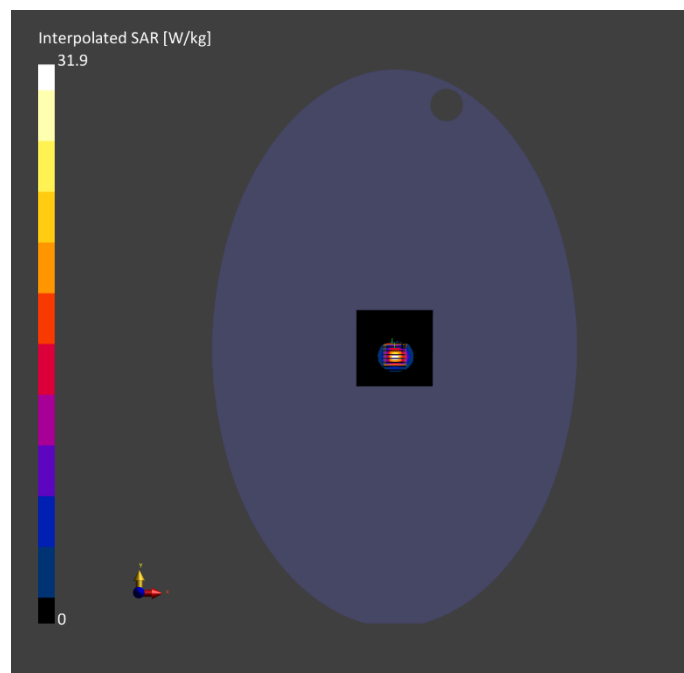
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-08-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0	Date	2023-08-15	2023-08-15
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	psSAR1g [W/kg]	7.98	7.85
Sensor	3.0	1.4	psSAR10g [W/kg]	2.18	2.23
Surface [mm]			Power Drift [dB]	-0.02	0.01
Graded Grid	Yes	Yes	Power	Disabled	Disabled
Grading Ratio	1.5	1.4	Scaling		
MAIA	N/A	N/A	Scaling		
Surface	All points	All points	Factor [dB]		
Detection			TSL	No correction	No correction
Scan Method	Measured	Measured	Correction		
			M2/M1 [%]		62.3
			Dist 3dB Peak [mm]		7.2



System Performance Check Data (5750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHzV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		Validation band	CW, 0--	5750.0, 5750	4.78	5.18	35.5	22.5	21.1

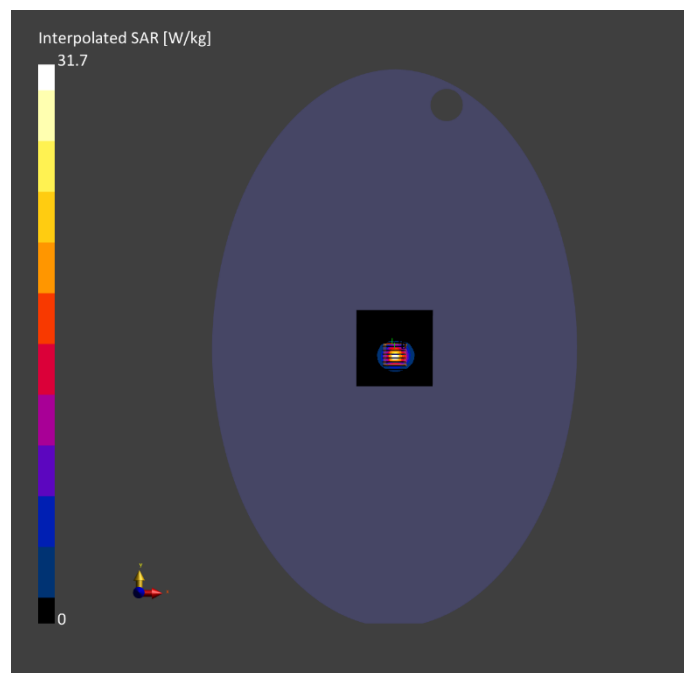
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-08-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0	Date	2023-08-16	2023-08-16
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	psSAR1g [W/kg]	7.79	7.87
Sensor	3.0	1.4	psSAR10g [W/kg]	2.14	2.26
Surface [mm]			Power Drift [dB]	-0.03	0.07
Graded Grid	Yes	Yes	Power	Disabled	Disabled
Grading Ratio	1.5	1.4	Scaling		
MAIA	N/A	N/A	Scaling		
Surface	All points	All points	Factor [dB]		
Detection			TSL	No correction	No correction
Scan Method	Measured	Measured	Correction		
			M2/M1 [%]		62.3
			Dist 3dB Peak [mm]		8.6



ANNEX C TEST DATA

Meas.1 Body&Limb Plane with Left Edge 0mm on 39 Channel in Bluetooth mode with Antenna Auxiliary

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Left Edge, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.79	39.6	22.5	21.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-07-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

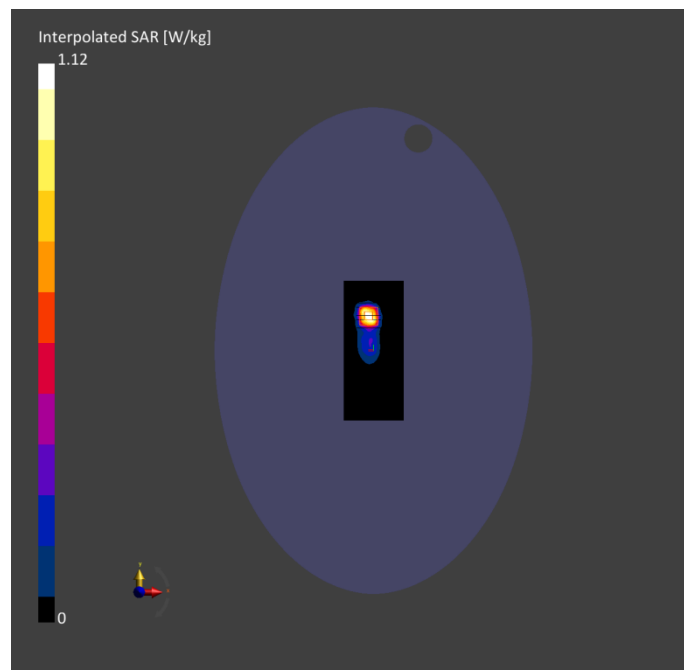
Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 168.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor	3.0	1.4
Surface [mm]		
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-26	2023-07-26
psSAR1g [W/kg]	0.292	0.424
psSAR10g [W/kg]	0.131	0.138
Power Drift [dB]	0.01	-0.03
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction

M2/M1 [%]	38.2
Dist 3dB Peak [mm]	5.7



Meas.2 Body&Limb Plane with Left Edge 0mm on 6 Channel in IEEE802.11b mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Left Edge, 0.00	WLAN 2.4GHz	WLAN, N, 10012 -CAB	2437.0, 6	7.47	1.78	39.6	22.5	21.3

Hardware Setup

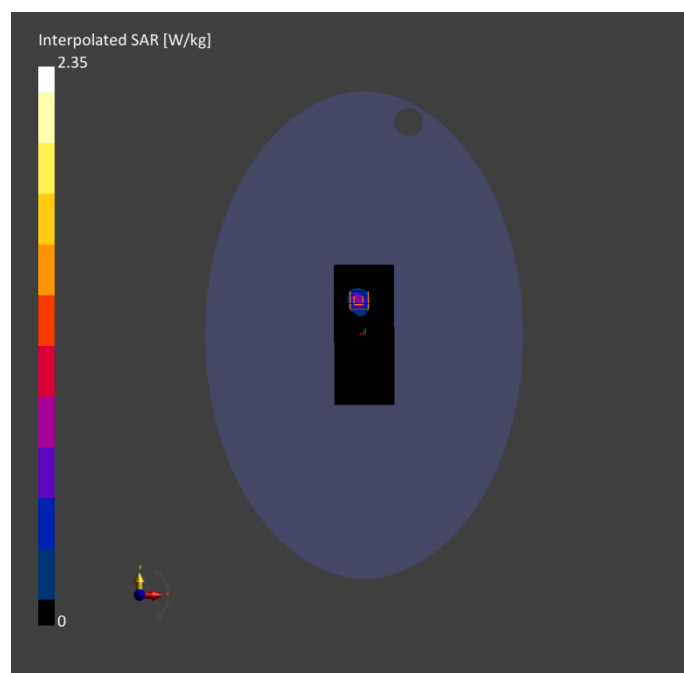
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-07-26	EX3DV4 - SN7607,	2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 168.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-26	2023-07-26
psSAR1g [W/kg]	0.666	0.895
psSAR10g [W/kg]	0.302	0.313
Power Drift [dB]	-0.02	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		36.7
Dist 3dB Peak [mm]		6.1



Meas.3 Body&Limb Plane with Right Edge Tilt 0mm on 11 Channel in IEEE802.11b mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Right Edge Tilt, 0.00	WLAN 2.4GHz	WLAN, 10012 -CAB	2462.0, 11	7.47	1.81	39.5	22.5	21.3

Hardware Setup

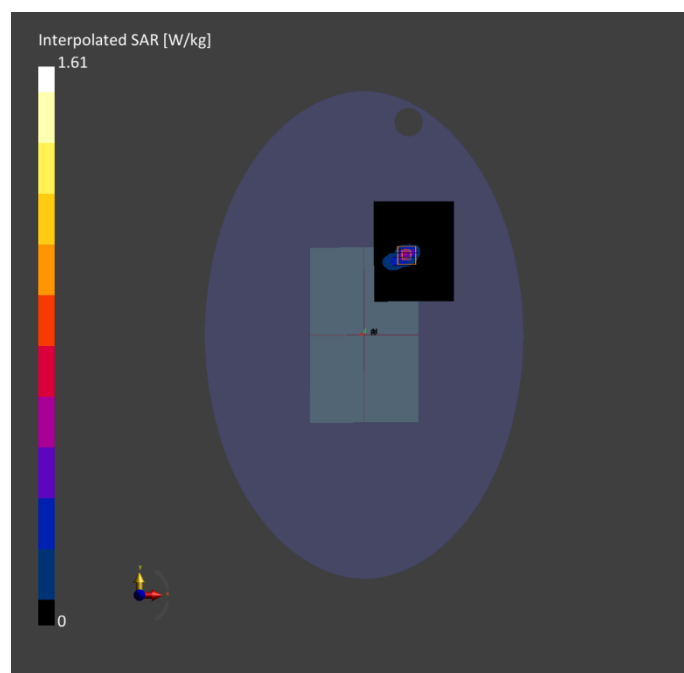
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-07-26	EX3DV4 - SN7607,	2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-26	2023-07-26
psSAR1g [W/kg]	0.436	0.643
psSAR10g [W/kg]	0.194	0.221
Power Drift [dB]	-0.08	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.0
Dist 3dB Peak [mm]		5.0



Meas.4 Body&Limb Plane with Left Edge 0mm on 58 Channel in IEEE802.11ac80 mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Left Edge, 0.00	WLA N 5GH z	WLA N, 10544 -AAC	5290.0, 58	5.41	4.77	35.6	22.4	21.4

Hardware Setup

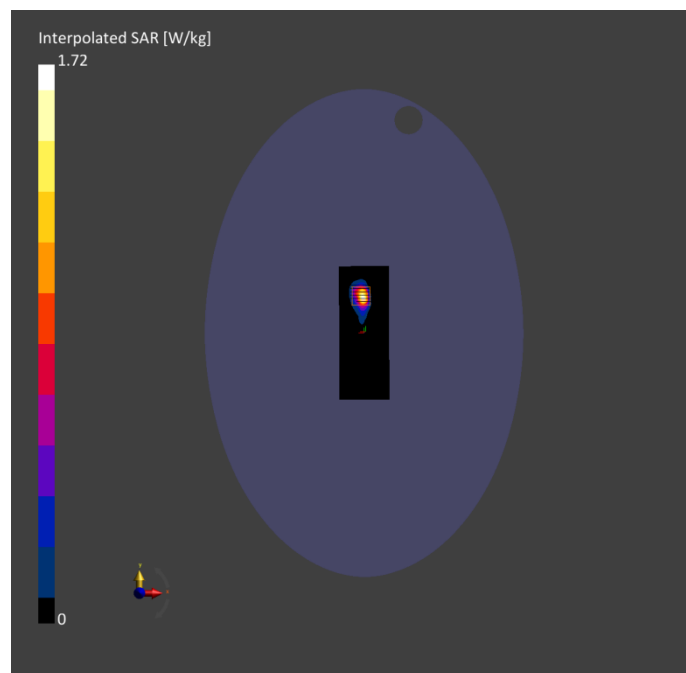
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date	
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-07-27	EX3DV4 - SN7607,	2023-07-04	DAE4 Sn878,	2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-27	2023-07-27
psSAR1g [W/kg]	0.406	0.405
psSAR10g [W/kg]	0.120	0.111
Power Drift [dB]	0.05	-0.01
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		4.8



Meas.5 Body&Limb Plane with Right Edge 0mm on 58 Channel in IEEE802.11ac80 mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Right Edge, 0.00	WLA N 5GH z	WLA N, 10544 -AAC	5290.0, 58	5.41	4.77	35.6	22.4	21.4

Hardware Setup

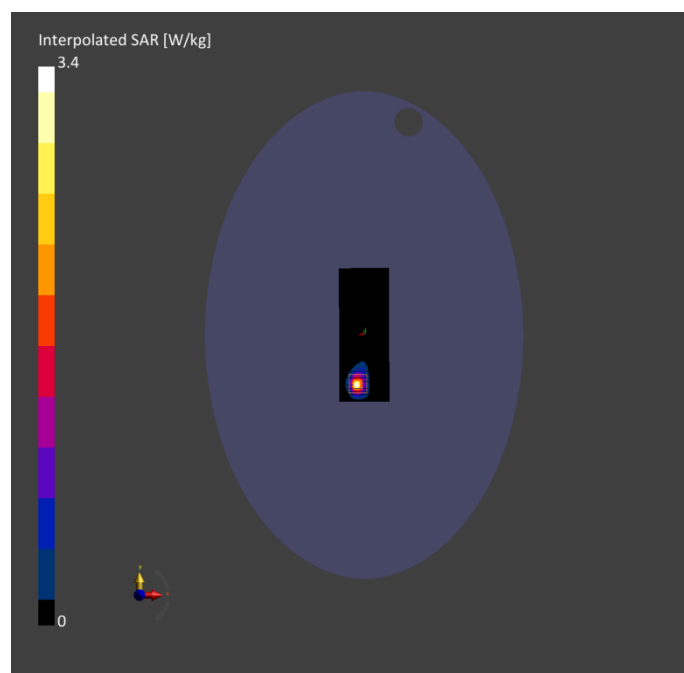
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-07-27	EX3DV4 - SN7607,	2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-27	2023-07-27
psSAR1g [W/kg]	0.777	0.826
psSAR10g [W/kg]	0.221	0.230
Power Drift [dB]	-0.00	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		6.1



Meas.6 Body&Limb Plane with Left Edge 0mm on 122 Channel in IEEE802.11ac80 mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Left Edge, 0.00	WLA N 5GH z	WLA N, 10544 -AAC	5610.0, 122	4.58	5.11	35.1	22.5	21.7

Hardware Setup

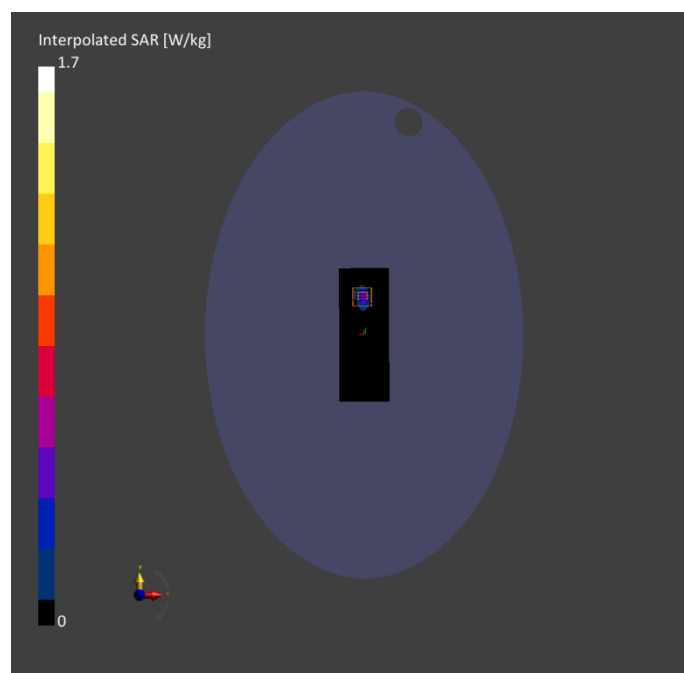
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-07-28	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-28	2023-07-28
psSAR1g [W/kg]	0.389	0.384
psSAR10g [W/kg]	0.108	0.101
Power Drift [dB]	0.16	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		5.6



Meas.7 Body&Limb Plane with Right Edge 0mm on 106 Channel in IEEE802.11ac80 mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Right Edge, 0.00	WLA N 5GH z	WLA N, 10402 -AAE	5530.0, 106	4.58	4.94	36.0	22.5	21.7

Hardware Setup

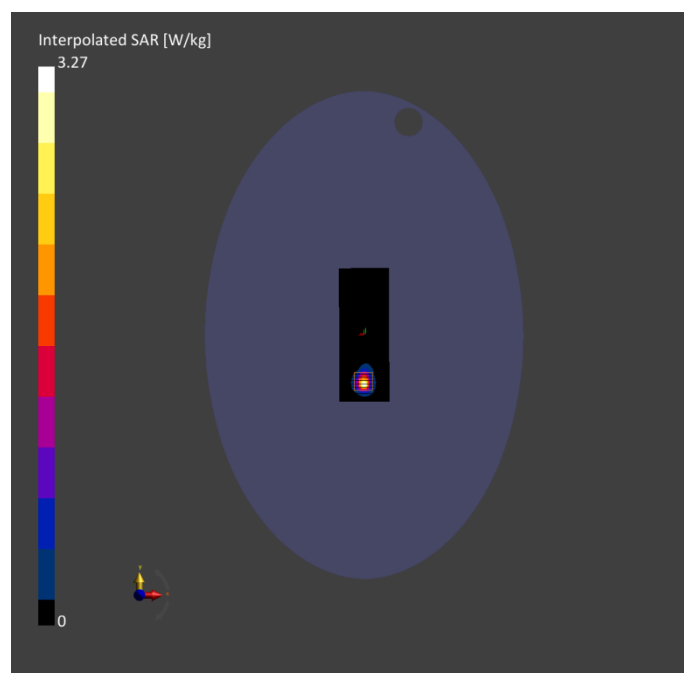
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-07-28	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-28	2023-07-28
psSAR1g [W/kg]	0.661	0.749
psSAR10g [W/kg]	0.180	0.191
Power Drift [dB]	-0.07	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.1
Dist 3dB Peak [mm]		5.7



Meas.8 Body&Limb Plane with Left Edge 0mm on 155 Channel in IEEE802.11ac80 mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Left Edge, 0.00	WLA N 5GH z	WLA N, 10544 -AAC	5775.0, 155	4.78	5.23	35.2	22.6	21.5

Hardware Setup

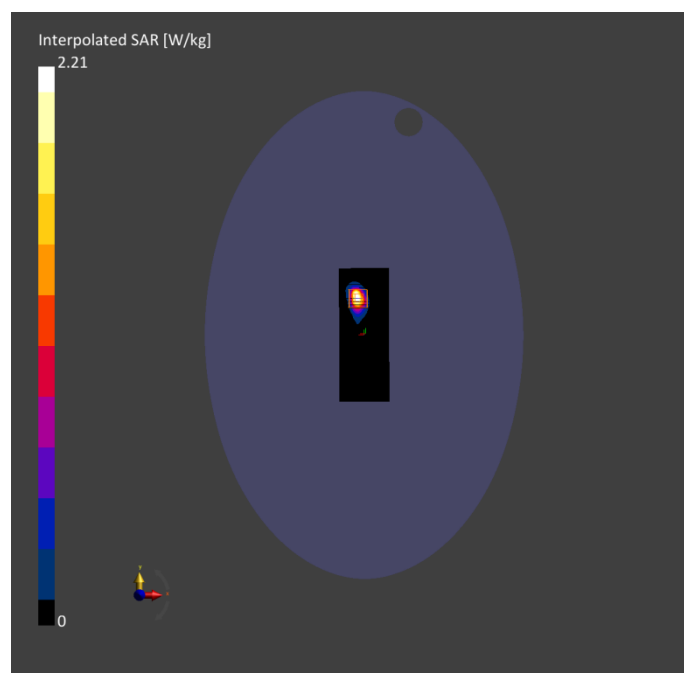
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-07-31	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-31	2023-07-31
psSAR1g [W/kg]	0.412	0.494
psSAR10g [W/kg]	0.123	0.128
Power Drift [dB]	0.04	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.4
Dist 3dB Peak [mm]		5.4



Meas.9 Body&Limb Plane with Right Edge 0mm on 155 Channel in IEEE802.11ac80 mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Right Edge, 0.00	WLA N 5GH z	WLA N, 10544 -AAC	5775.0, 155	4.78	5.23	35.2	22.6	21.5

Hardware Setup

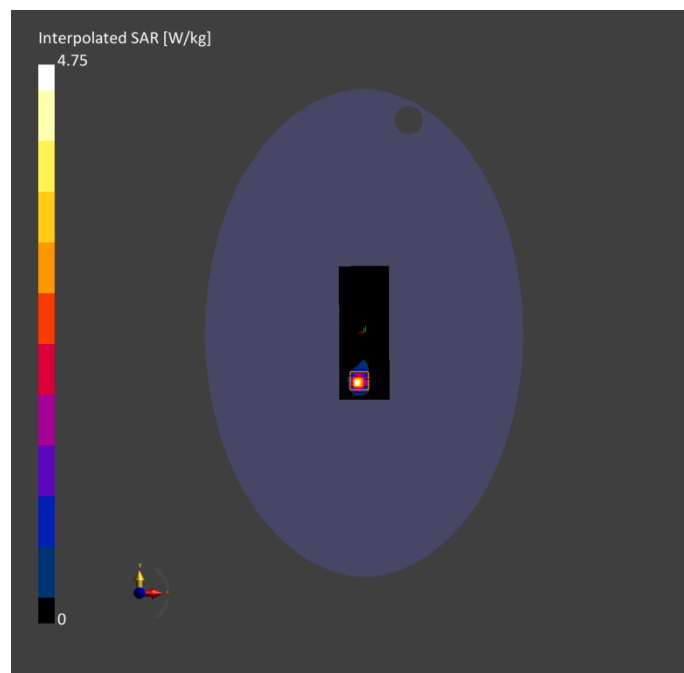
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 31	2023-07- 31	EX3DV4 - SN7607, 2023-07- 04	DAE4 Sn878, 2023-03- 23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-31	2023-07-31
psSAR1g [W/kg]	0.849	1.00
psSAR10g [W/kg]	0.234	0.246
Power Drift [dB]	0.07	-0.16
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.3
Dist 3dB Peak [mm]		5.6



Meas.10 Body&Limb Plane with Left Edge 0mm on 207 Channel in IEEE802.11ax160 mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

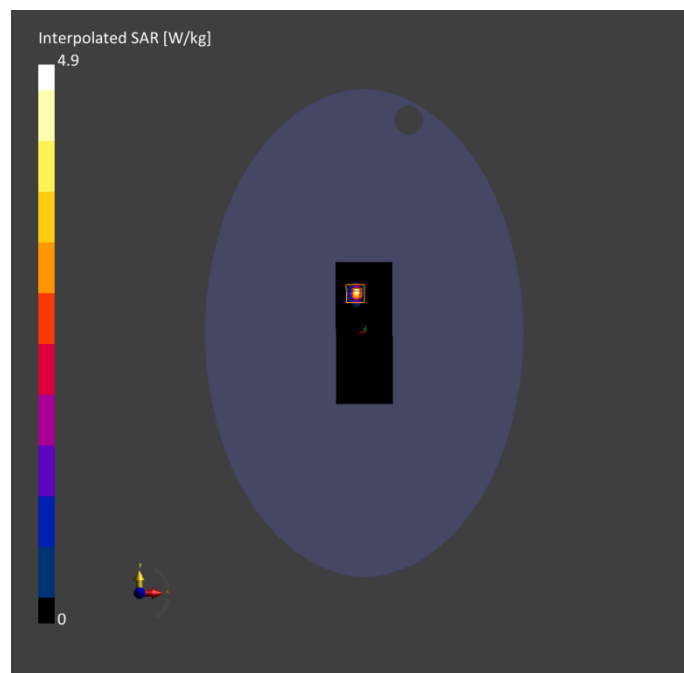
Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Left Edge, 0.00	U- NII-8	WLA N, 10743 -AAC	6985.0, 207	5.38	6.71	33.5	22.3	21.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-08-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup
Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 170.0	27.2 x 27.2 x 22.0	Date	2023-08-01	2023-08-01
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4	psSAR1g [W/kg]	0.674	0.752
Sensor	3.0	1.4	psSAR10g [W/kg]	0.143	0.153
Surface [mm]			APD4cm ²		3.69
Graded Grid	Yes	Yes	[W/m ²]		
Grading Ratio	1.5	1.4	Power Drift	0.19	-0.05
MAIA	Y	N/A	[dB]		
Surface	VMS + 6p	VMS + 6p	Power	Disabled	Disabled
Detection			Scaling		
Scan Method	Measured	Measured	Scaling Factor [dB]		
			TSL	No correction	No correction
			Correction		
			M2/M1 [%]		51.3
			Dist 3dB Peak [mm]		4.1



Meas.11 Body&Limb Plane with Right Edge 0mm on 15 Channel in IEEE802.11ax160 mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Right Edge, 0.00	U- NII-5	WLA N, 10743 -AAC	6025.0, 15	5.38	5.45	35.5	22.3	21.1

Hardware Setup

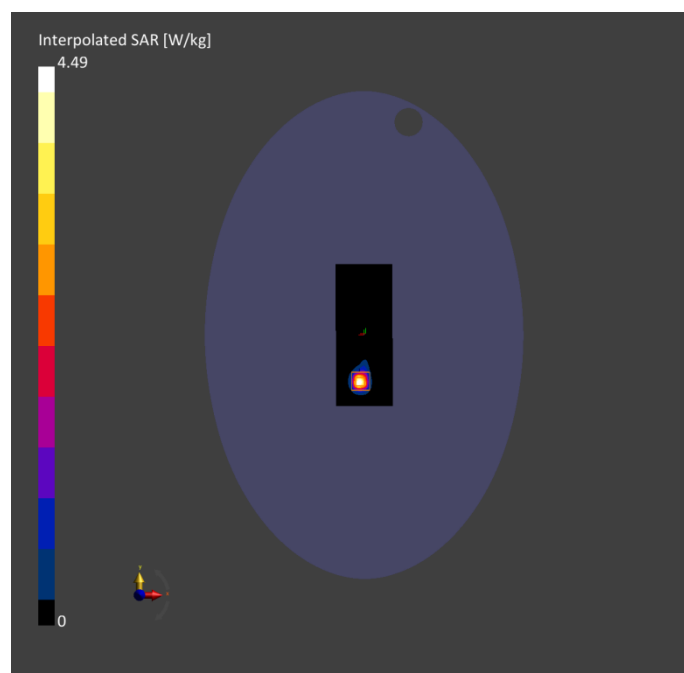
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-08-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 170.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor	3.0	1.4
Surface [mm]		
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface	VMS + 6p	VMS + 6p
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-01	2023-08-01
psSAR1g [W/kg]	0.647	0.852
psSAR10g [W/kg]	0.182	0.201
APD4cm ² [W/m ²]		4.76
Power Drift [dB]	-0.01	-0.06
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		5.3



Meas.12 Body&Limb Plane with Top Edge 0mm on 39 Channel in Bluetooth mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Top Edge, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032- CAA	2441.0, 39	7.47	1.79	39.6	22.5	21.3

Hardware Setup

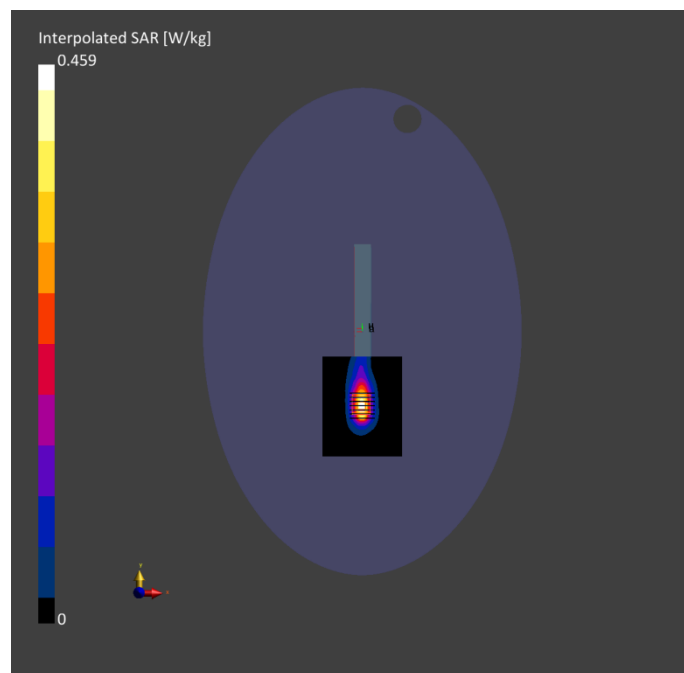
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-07-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor	3.0	1.4
Surface [mm]		
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-26	2023-07-26
psSAR1g [W/kg]	0.215	0.218
psSAR10g [W/kg]	0.101	0.101
Power Drift [dB]	0.00	0.05
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.8
Dist 3dB Peak [mm]		8.9



Meas.13 Body&Limb Plane with Top Edge 0mm on 1 Channel in IEEE802.11b mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Top Edge, 0.00	WLAN 2.4GHz	WLAN, 10012 -CAB	2412.0, 1	7.47	1.75	39.9	22.5	21.3

Hardware Setup

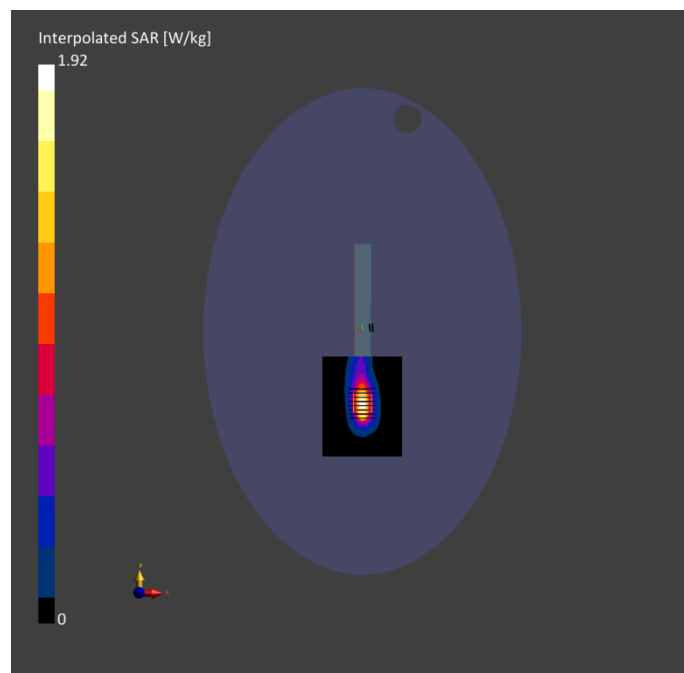
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-07-26	EX3DV4 - SN7607,	2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-26	2023-07-26
psSAR1g [W/kg]	0.958	0.969
psSAR10g [W/kg]	0.454	0.462
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.7
Dist 3dB Peak [mm]		9.0



Meas.14 Body&Limb Plane with Back Side 0mm on 1 Channel in IEEE802.11b mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Back, 0.00	WLAN 2.4GHz	WLAN, 10012 -CAB	2412.0, 1	7.47	1.75	39.9	22.5	21.3

Hardware Setup

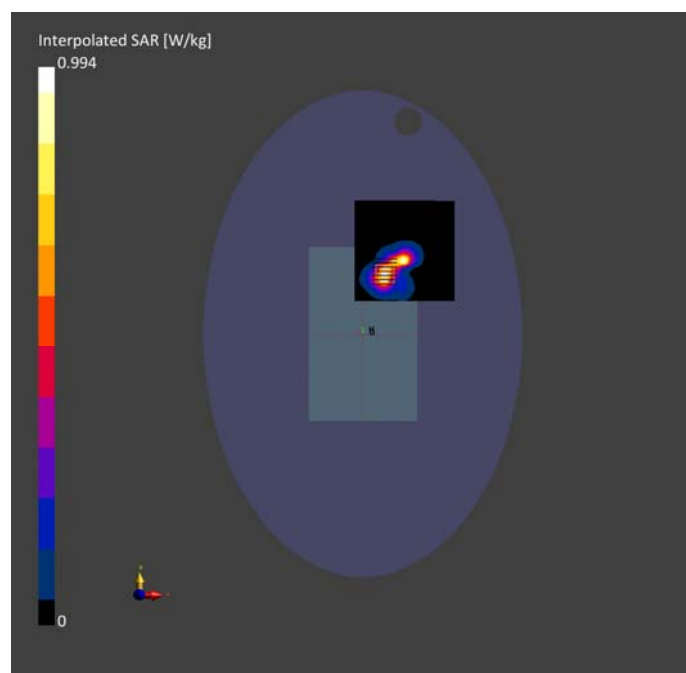
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-07-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-26	2023-07-26
psSAR1g [W/kg]	0.497	0.503
psSAR10g [W/kg]	0.231	0.235
Power Drift [dB]	0.02	0.01
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.9
Dist 3dB Peak [mm]		8.2



Meas.15 Body&Limb Plane with Top Edge 0mm on 54 Channel in IEEE802.11n40 mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Top Edge, 0.00	WLA N 5GH z	WLA N, 10599 -AAC	5270.0, 54	5.41	4.75	35.4	22.6	21.7

Hardware Setup

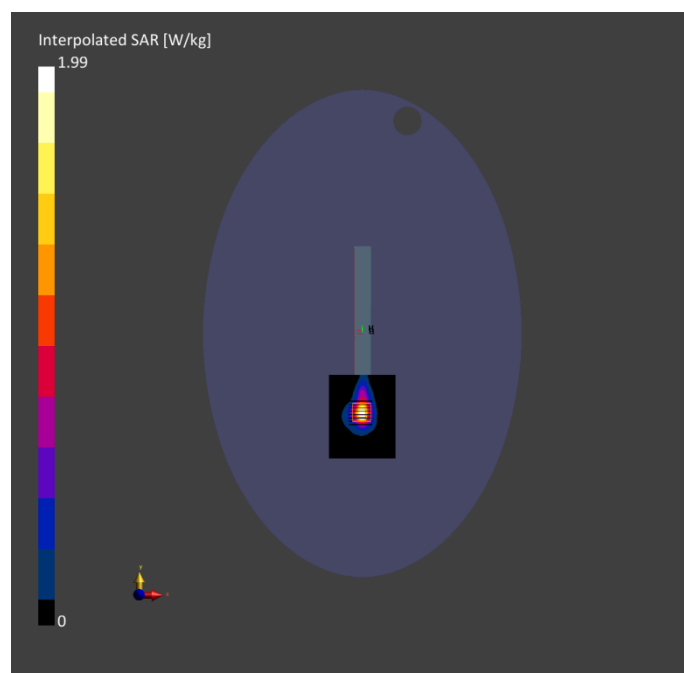
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 14	2023-08-	EX3DV4 - SN7607, 2023-07- 04	DAE4 Sn878, 2023-03- 23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-14	2023-08-14
psSAR1g [W/kg]	0.544	0.567
psSAR10g [W/kg]	0.186	0.191
Power Drift [dB]	-0.01	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		8.0



Meas.16 Body&Limb Plane with Back Side 0mm on 54 Channel in IEEE802.11n40 mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Back, 0.00	WLA N 5GH z	WLA N, 10599 -AAC	5270.0, 54	5.41	4.75	35.4	22.6	21.7

Hardware Setup

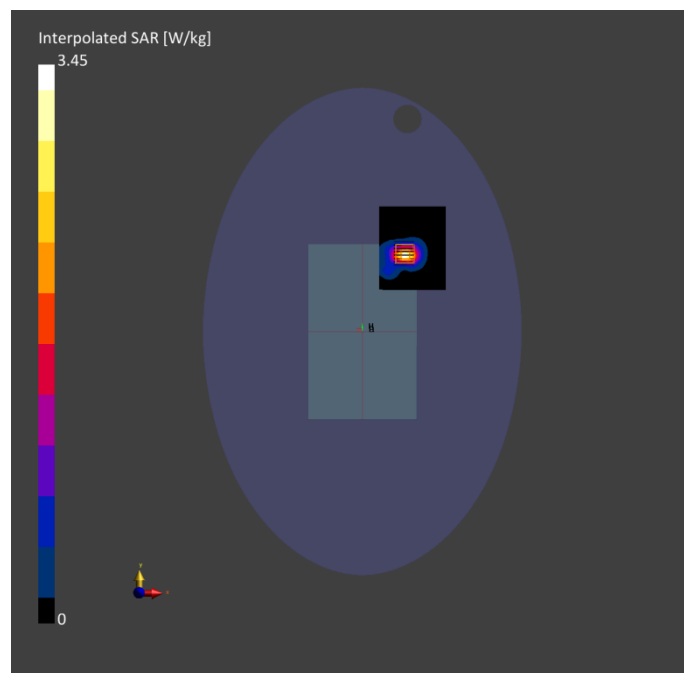
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date	
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-08-14	EX3DV4 - SN7607,	2023-07-04	DAE4 Sn878,	2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-14	2023-08-14
psSAR1g [W/kg]	0.892	0.965
psSAR10g [W/kg]	0.307	0.321
Power Drift [dB]	-0.00	0.02
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.3
Dist 3dB Peak [mm]		7.6



Meas.17 Body&Limb Plane with Top Edge 0mm on 138 Channel in IEEE802.11ac80 mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Top Edge, 0.00	WLA N 5GH z	WLA N, 10544 -AAC	5690.0, 138	4.78	5.16	35.1	22.4	21.3

Hardware Setup

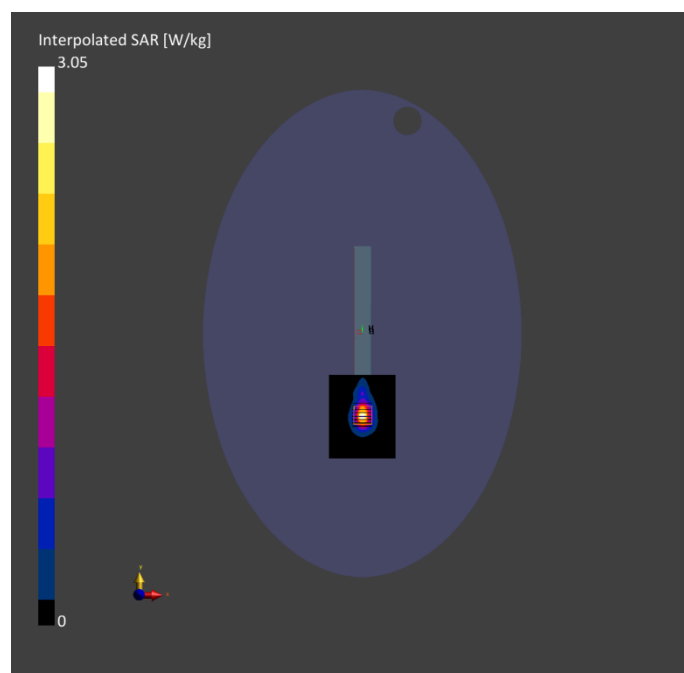
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000	2023-08-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-15	2023-08-15
psSAR1g [W/kg]	0.795	0.796
psSAR10g [W/kg]	0.250	0.251
Power Drift [dB]	-0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		7.6



Meas.18 Body&Limb Plane with Back Side 0mm on 106 Channel in IEEE802.11ac80 mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Back, 0.00	WLA N 5GH z	WLA N, 10544 -AAC	5530.0, 106	4.58	4.94	36.2	22.4	21.3

Hardware Setup

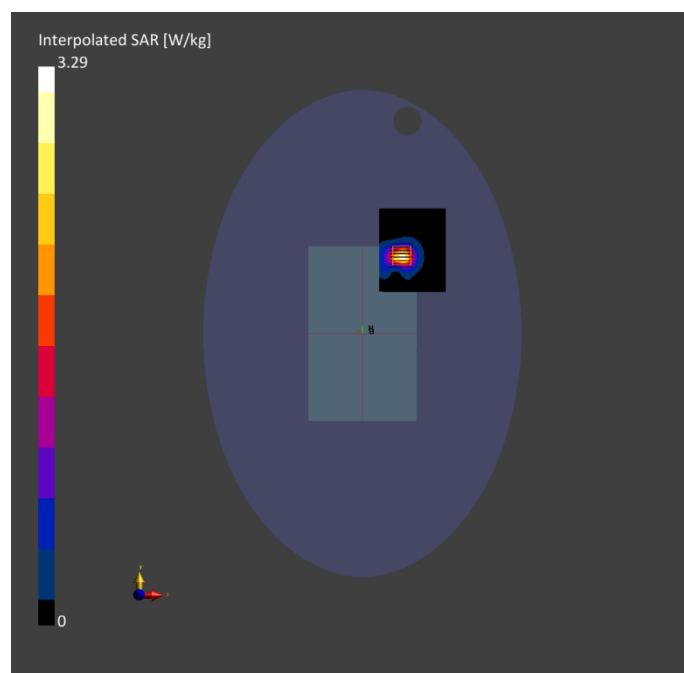
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 15	2023-08-	EX3DV4 - SN7607, 2023-07- 04		DAE4 Sn878, 2023-03- 23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-15	2023-08-15
psSAR1g [W/kg]	0.828	0.904
psSAR10g [W/kg]	0.287	0.297
Power Drift [dB]	0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.2
Dist 3dB Peak [mm]		8.0



Meas.19 Body&Limb Plane with Top Edge 0mm on 155 Channel in IEEE802.11ac80 mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Top Edge, 0.00	WLA N 5GH z	WLA N, 10402 -AAE	5775.0, 155	4.78	5.22	35.2	22.5	21.1

Hardware Setup

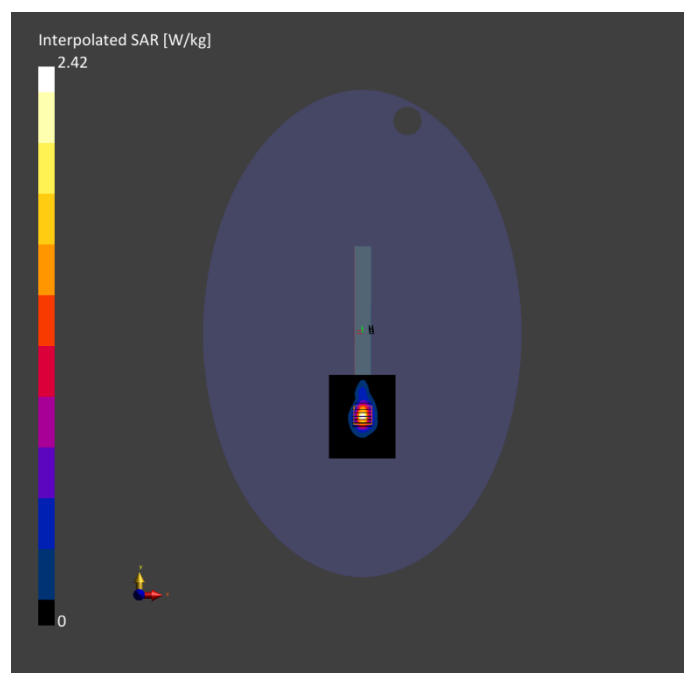
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date	
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 16	2023-08-	EX3DV4 - SN7607, 2023-07- 04		DAE4 Sn878, 2023-03- 23	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-16	2023-08-16
psSAR1g [W/kg]	0.637	0.616
psSAR10g [W/kg]	0.200	0.193
Power Drift [dB]	-0.07	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.5
Dist 3dB Peak [mm]		7.6



Meas.20 Body&Limb Plane with Back Side 0mm on 155 Channel in IEEE802.11ac80 mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Back, 0.00	WLA N 5GH z	WLA N, 10402 -AAE	5775.0, 155	4.78	5.22	35.2	22.5	21.1

Hardware Setup

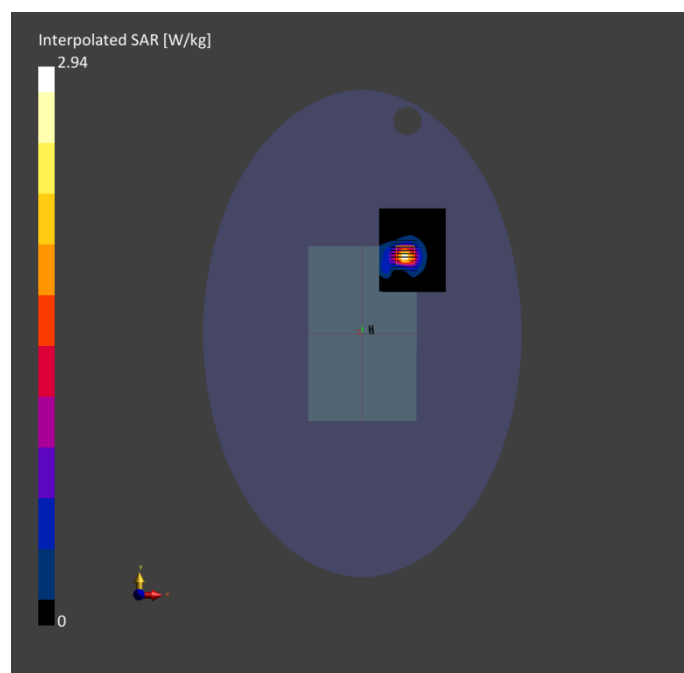
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 16	2023-08-	EX3DV4 - SN7607, 2023-07- 04	DAE4 Sn878, 2023-03- 23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-16	2023-08-16
psSAR1g [W/kg]	0.690	0.752
psSAR10g [W/kg]	0.231	0.239
Power Drift [dB]	0.01	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.9
Dist 3dB Peak [mm]		7.6



Meas.21 Body&Limb Plane with Top Edge 0mm on 111 Channel in IEEE802.11ax160 mode with Antenna Auxiliary
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Top Edge, 0.00	U- NII-6	WLAN, 10743 -AAC	6505.0, 111	5.38	6.09	34.2	22.3	21.1

Hardware Setup

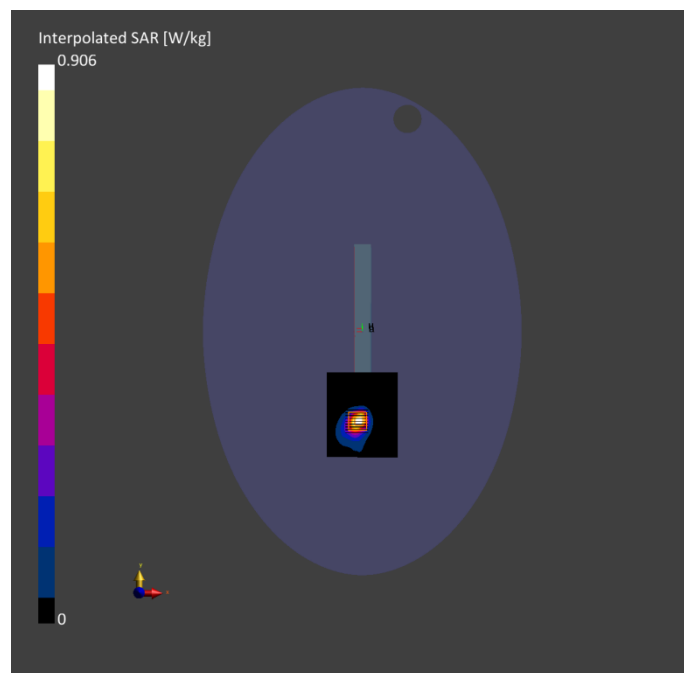
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-08-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor	3.0	1.4
Surface [mm]		
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface	VMS + 6p	VMS + 6p
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-01	2023-08-01
psSAR1g [W/kg]	0.177	0.192
psSAR10g [W/kg]	0.058	0.063
APD4cm ² [W/m ²]		1.43
Power Drift [dB]	-0.13	-0.07
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.2
Dist 3dB Peak [mm]		7.0



Meas.22 Body&Limb Plane with Back Side 0mm on 47 Channel in IEEE802.11ax160 mode with Antenna Main
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
N76080AA1 (X80)	210.0 x 130.0 x 20.0	PAD

Exposure Conditions

Phantom Section , TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	Back, 0.00	U- NII-5	WLAN, 10743 -AAC	6185.0, 47	5.38	5.56	35.2	22.3	21.1

Hardware Setup

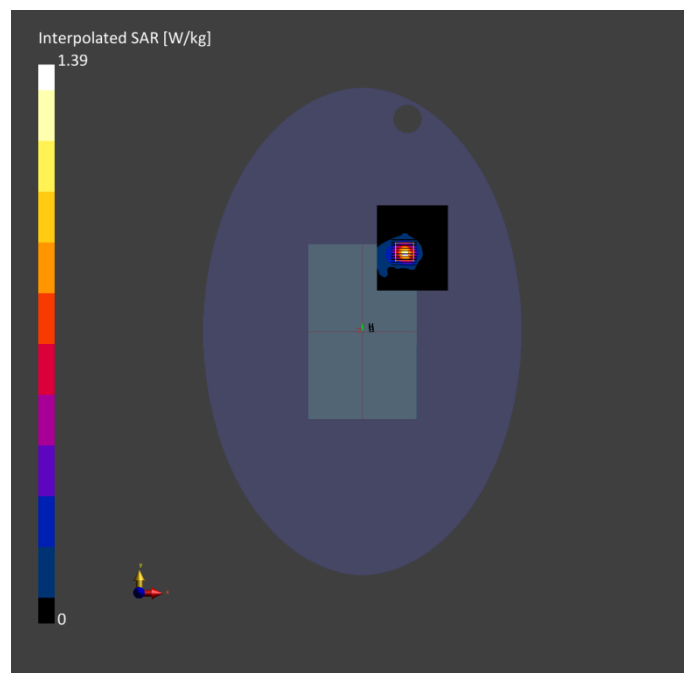
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2159	HBBL-600-10000 2023-08-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-01	2023-08-01
psSAR1g [W/kg]	0.277	0.299
psSAR10g [W/kg]	0.086	0.090
APD4cm ² [W/m ²]		2.07
Power Drift [dB]	0.11	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		6.9



ANNEX D SAR TEST SETUP PHOTOS

Please refer the document “BL-EC2370717-AS-1.pdf”.

ANNEX E CALIBRATION REPORT

Please refer the document “BL-EC2370717-AC-1.pdf”.

ANNEX F TUNE-UP PROCEDURE

Please refer the document “BL-EC2370717-AT-1.pdf”.

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