TEST REPORT

Applicant:	MediaTek Inc.
Address:	No. 1, Dusing 1st Rd., Hsinchu Science Park Hsinchu City 30078 Taiwan
Equipment Type:	2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card
Model Name:	MT7922A12L
Brand Name:	N/A
FCC ID:	RAS-MT7922A12L
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum PD:	8.24 W/m^2
Sample Arrival Date:	May 13, 2025
Test Date:	Jun. 13, 2025 - Jun. 15, 2025
Date of Issue:	Jul. 14, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Guo Guangwei **Checked by:** Xu Rui **Approved by:** Tolan Tu

(Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jul. 14, 2025	Initial Issue

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

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 General Description for Equipment under Test (EUT)

EUT Name	2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card
Model Name Under Test	MT7922A12L
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.3.1 Host Information:

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

2.3.2 Antenna Information:

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

2.4 Ancillary Equipment

Note: Not applicable.

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, VHT, 802.11ac and 802.11ax

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

Operating Mode	6G WLAN	
Frequency Range	802.11a/ 802.11ax(HE20/HE40/HE80/ HE160)	5925 ~ 6425 MHz
		6425 ~ 6525 MHz
		6525 ~ 6875 MHz
		6875 ~ 7125 MHz
Antenna Type	WLAN	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	Radio frequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	47 CFR Part 1.1310	Radiofrequency radiation exposure limits
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 865664 D02 v01r02	RF Exposure Reporting
6	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters
7	KDB 616217 D04 v01r02	SAR for laptop and tablets
8	IEC/IEEE 62209-1528:2020	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)
9	IEC/IEEE 63195-1:2022	Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz)-Part 1: Measurement procedure
10	IEC TR 63170:2018	Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 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 power density for frequencies between 1.5GHz and 100 GHz is 1.0 mW/cm^2= 10 W/m^2

Table of Exposure Limits:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW / cm ^{2})	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f^2	6
30-300	61.4	0.163	1.0	6
300-1,500	/	/	f/300	6
1,500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f^2	30
30-300	27.5	0.073	0.2	30
300-1,500	/	/	f/1500	30
1,500-100,000	/	/	1.0	30
*f = frequency in MHz * = Plane-wave equivalent power density*				

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 Power Density

Equipment Class	Band	Antenna	Maximum Scaled PD (W/m^2)	Maximum Report PD (W/m^2)
			Body	Body
U-NII-5/6/7/8	6G WIFI	Aux.	**8.24**	**8.24**
		Main	5.41	
Limit (W/m^2)			10.00	
Verdict			Pass	

3.4 Test Uncertainty

For PTP measurement method: DASY8 uncertainty budget in compliance with IEC/IEEE 63195-1 for the cases indicated in the refrence table.

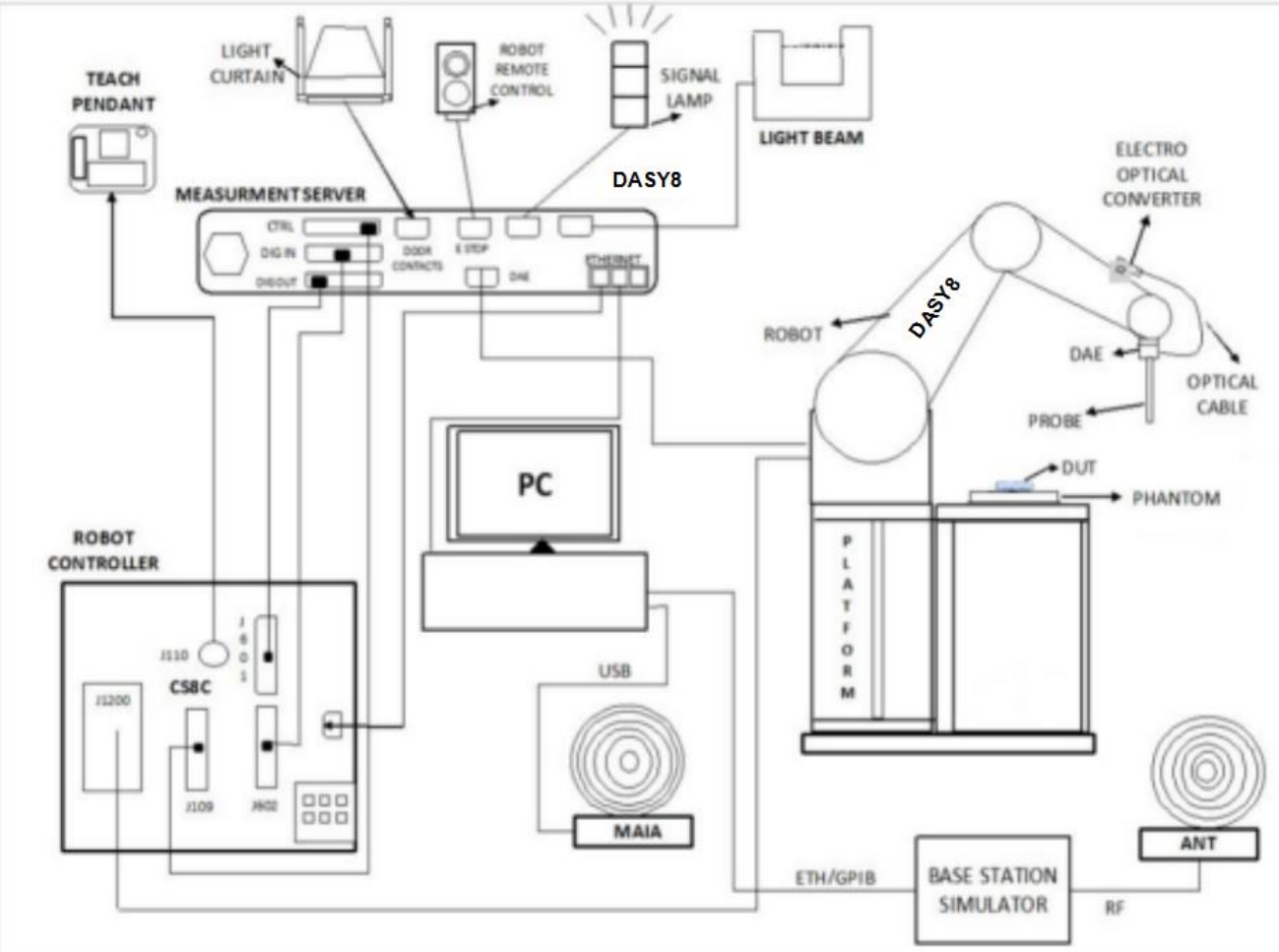
DASY8 Uncertainty Budget for PD (avg ≥1 cm2) Evaluation Distances to the Antennas ≥ λ/5 in Compliance with IEC/IEEE 63195							
Error Description		Unc. Value (±dB)	Probab. Distri.	Div.	(*ci*)	Std. Unc. (±dB)	(vi) veff
Uncertainty terms dependent on the measurement system							
CAL	Calibration	0.49	N	1	1	0.49	∞
COR	Probe correction	0	R	1.732	1	0	∞
FRS	Frequency response (BW ≤ 1 GHz)	0.2	R	1.732	1	0.12	∞
SCC	Sensor cross coupling	0	R	1.732	1	0	∞
ISO	Isotropy	0.5	R	1.732	1	0.29	∞
LIN	Linearity	0.2	R	1.732	1	0.12	∞
PSC	Probe scattering	0	R	1.732	1	0	∞
PPO	Probe positioning offset	0.3	R	1.732	1	0.17	∞
PPR	Probe positioning repeatability	0.04	R	1.732	1	0.02	∞
SMO	Sensor mechanical offset	0	R	1.732	1	0	∞
PSR	Probe spatial resolution	0	R	1.732	1	0	∞
FLD	Field impedance dependence	0	R	1.732	1	0	∞
APD	Amplitude and phase drift	0	R	1.732	1	0	∞
APN	Amplitude and phase noise	0.04	R	1.732	1	0.02	∞
TR	Measurement area truncation	0	R	1.732	1	0	∞
DAQ	Data acquisition	0.03	N	1	1	0.03	∞
SMP	Sampling	0	R	1.732	1	0	∞
REC	Field reconstruction	0.6	R	1.732	1	0.35	∞
TRA	FTE/MEO	0 (0.7)	R	1.732	1	0 (0.4)	∞
SCA	Power density scaling	–	R	1.732	1	–	∞
SAV	Spatial averaging	0.1	R	1.732	1	0.06	∞
SDL	System detection limit	0.04	R	1.732	1	0.02	∞
Uncertainty terms dependent on the DUT and environmental factors							
PC	Probe coupling with DUT	0	R	1.732	1	0	∞
MOD	Modulation response	0.4	R	1.732	1	0.23	∞
IT	Integration time	0	R	1.732	1	0	∞
RT	Response time	0	R	1.732	1	0	∞
DH	Device holder influence	0.14	R	1.732	1	0.08	∞
DA	DUT alignment	0	R	1.732	1	0	∞
AC	RF ambient conditions	0.04	R	1.732	1	0.02	∞
AR	Ambient reflections	0.04	R	1.732	1	0.02	∞
MSI	Immunity / secondary reception	0	R	1.732	1	0	∞
DRI	Drift of the DUT	–	R	1.732	1	–	∞

Combined Std Uncertainty (w/ FTE/MEO)	–	–	–	0.75	∞
Expanded Std Uncertainty (w/ FTE/MEO)	–	–	–	**1.50 (1.71)**	–

4 MEASUREMENT SYSTEM

4.1 DASY Power Density System

4.1.1 DASY PD System Diagram



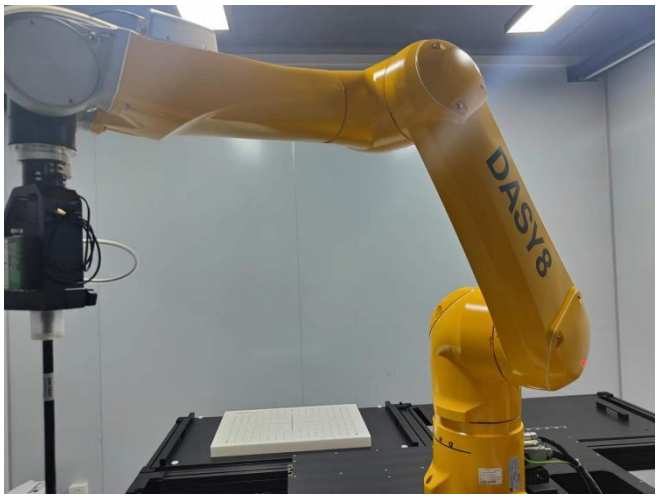
The DASY system for performing compliance tests consists of the following items:

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.

4.1.2 Robot

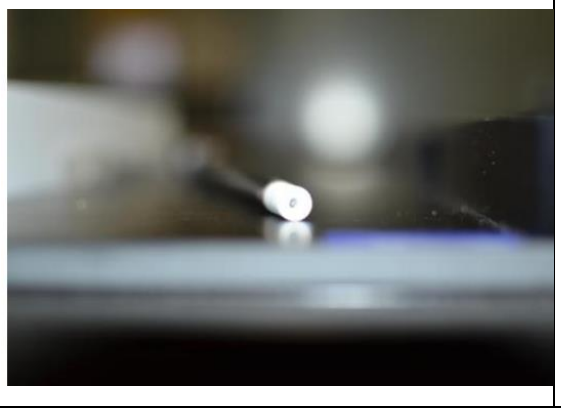
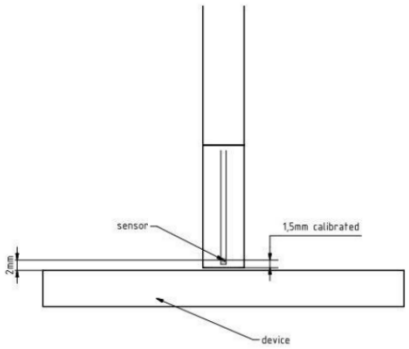
The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many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

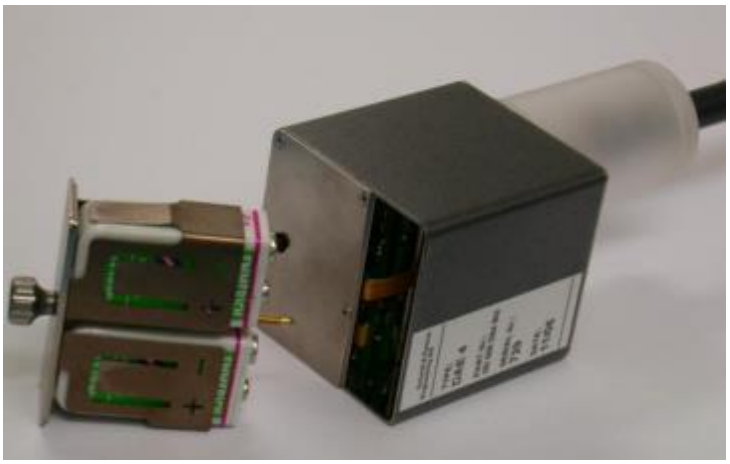
4.1.3 EUmmWave Probe / E-Field 5G Probe

The EUmmWave3 probe design allows measurements at distances as small as 2mm

Frequency	750 MHz – 110 GHz
Probe Overall Length	320 mm
Probe Body Diameter	8.0 mm
Tip Length	23.0 mm
Tip Diameter	8.0 mm
Probe's two dipoles length	0.9 mm – Diode loaded
Dynamic Range	< 20 V/m – 10000 V/m with PRE-10 (min < 50 V/m – 3000 V/m)
Position Precision	< 0.2 mm
Distance between diode sensors and probe's tip	1.5 mm
Minimum Mechanical separation between probe tip and a Surface	0.5 mm
Applications	E-field measurements of 5G devices and other mm-wave transmitters operating above 10GHz in < 2 mm distance from device (free-space) Power density, H-field and far-field analysis using total field reconstruction.
Compatibility	cDASY6 + 5G-Module SW1.0 and higher
	

4.1.4 Data Acquisition Electronics

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



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

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 Power Density 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

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user’s manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG’s mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.
The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

6 POWER DENSITY MEASUREMENT PROCEDURE

6.1 Computation of the Electric Field Polarization Ellipse

For the numerical description of an arbitrarily oriented ellipse in three-dimensional space, five parameters are needed: the semi-major axis (a), the semi-minor axis (b), two angles describing the orientation of the normal vector of the ellipse (ϕ , θ), and one angle describing the tilt of the semi-major axis (Ψ). For the two
extreme cases, i.e. circular and linear polarizations, three parameters only (a, ϕ and θ) are sufficient for
the description of the incident field.

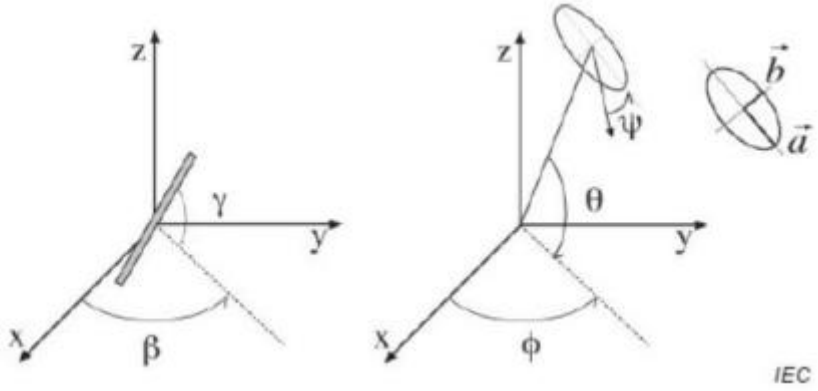


Illustration of the angles used for the numerical description of the sensor and the orientation of an ellipse in 3-D space

For the construction of the ellipse parameters from measured data, the problem can be reformulated as a nonlinear search problem. The semi-major and semi-minor axes of an elliptical field can be express as functions of the three angles (ϕ , θ and Ψ). The parameters can be uniquely determined towards minimizing the error based on least-squares for the given set of angles and the measured data. In this way, the numbers of three parameters is reduced from five to three, which means that least three sensors readings are necessary to gain sufficient information for the reconstruction of ellipse parameters.
However, to suppress the noise and increase the reconstruction accuracy, it is desirable to have an over determined system of equations. The solution to use a probe consisting of two sensors angled by γ 1 and γ 2 toward the probe axis and to perform measurements at three angular positions of the probe, i.e. at β 1, β 2 and β 3, results in over determination of two. If there is a need for more information or increased accuracy, more rotation angles can be added.
The reconstruction of ellipse parameters can be separated into linear and non-linear parts that are best solved by the givens algorithm combined with a downhill simplex algorithm. To minimize the mutual coupling, sensor angles are set with a 90° shift (γ 1= γ 2+90°), and, to simplify, the first rotation angle of the probe (β 1) can be set to 0° .

6.2 Total Field and Power Flux Density Reconstruction

Computation of the power density in general requires knowledge of the electric and magnetic field amplitudes and phases in the plane of incidence. Reconstruction of these quantities from pseudo-vector E-field measurements is feasible, as they are constrained by Maxiwell,s equations. The SPEAG have developed a reconstruction approach based on the Gerchberg-Saxton algorithm, which benefits from the availability of the E-Field polarization ellipse information obtained with the EUmmWV2 probe. This reconstruction algorithm, together with the ability of the probe to measure extremely close to the source without perturbing the field, permits reconstruction of the E-field and H-field, as well as of the power density, on measurement planes located as near as λ /5 away.

6.3 Power Flux Density Averaging

The average of the reconstructed power density is evaluated over a circular area in each measurement plane. The area of the circle is defined by the user; the default is 1cm2. The computed peak average value
is displayed in the box at the top right. Note that the average is evaluated only for grid points where the averaging circle is completely filed with values; for points at the edge where the averaging circle is only partly filled with values, the average power density is set to zero. Two average power density values are computed.

6.4 Measurement Workflow

The incident power density must be measured for the test configuration producing the highest SAR value. The
measurement procedure is summarized below:

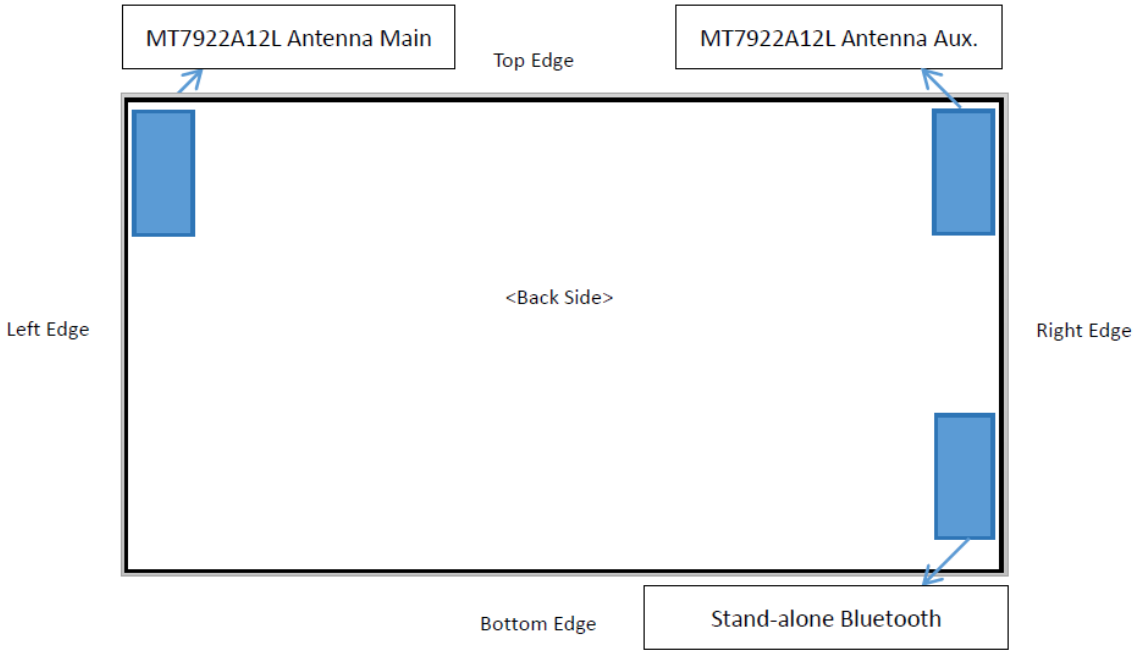
1. Perform a system performance check at 10 GHz.
2. Determine the optimal grid resolution to be used for subsequent measurements.
3. Assess the incident power for the configuration to be tested.
4. Calculate the additional reconstruction uncertainty at 2mm and compute the total measurement uncertainty.
5. Adjust the incident psPD results by the amount that the measurement uncertainty exceeds 30%

7 CONDUCTED RF OUPUT POWER

Please refer the document “BL-SZ2550400-AP-3.pdf”.

8 ANTENNA LOCATION

8.1 Antenna Location Sketch



Antenna	Support Bands
Aux. Antenna	WLAN 6G
Main Antenna	WLAN 6G

9 TEST RESULT OF POWER DENSITY

General Note:

1. The reported PD is the measured Total PD value adjusted for maximum tune-up tolerance and duty cycle factor.
   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 PD testing of WIFI signal with non-100% duty cycle, the measured PD is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)".
2. The most conservative test distance of 2mm was applied to PD measurement.
3. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
4. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
5. Per FCC guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.66 dB (84.5%) was used to determine the psPD measurement scaling factor.
6. According to TCBC workshop in October 2018 that 4cm^2 averaging area may now be considered.

9.1 WIFI 6GHz (Without Handle)

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)
Body														
802.11 ax160	HUBBLE	Aux.	Front Side	0	79	6345	0.11	0.061	10.35	10.50	1.035	86.23	1.160	0.073
			Back Side	0	79	6345	-0.07	0.423	10.35	10.50	1.035	86.23	1.160	0.508
			Left Edge	0	79	6345	0.04	0.006	10.35	10.50	1.035	86.23	1.160	0.007
			Right Edge	0	79	6345	-0.04	0.702	10.35	10.50	1.035	86.23	1.160	0.843
			Right Edge Tilt	0	79	6345	0.00	0.556	10.35	10.50	1.035	86.23	1.160	0.668
			Top Edge	0	79	6345	0.12	0.085	10.35	10.50	1.035	86.23	1.160	0.102
			Bottom Edge	0	79	6345	0.03	0.011	10.35	10.50	1.035	86.23	1.160	0.013
			Right Edge	0	15	6025	-0.04	0.733	10.26	10.50	1.057	86.23	1.160	0.899
			Right Edge	0	47	6185	0.00	0.821	10.22	10.50	1.067	86.23	1.160	1.016
			Right Edge	0	111	6505	0.03	0.846	10.23	10.50	1.064	86.23	1.160	1.044
			Right Edge	0	143	6665	-0.09	0.803	10.31	10.50	1.045	86.23	1.160	0.973
			Right Edge	0	175	6825	-0.06	0.799	10.18	10.50	1.076	86.23	1.160	0.997
			Right Edge	0	207	6985	0.18	0.686	10.28	10.50	1.052	86.23	1.160	0.837
	INNOWAVE	Aux.	Front Side	0	79	6345	-0.13	0.174	10.35	10.50	1.035	86.23	1.160	0.209
			Back Side	0	79	6345	0.07	0.133	10.35	10.50	1.035	86.23	1.160	0.160
			Left Edge	0	79	6345	0.01	0.004	10.35	10.50	1.035	86.23	1.160	0.005
			Right Edge	0	79	6345	-0.16	0.365	10.35	10.50	1.035	86.23	1.160	0.438
			Right Edge Tilt	0	79	6345	0.06	0.123	10.35	10.50	1.035	86.23	1.160	0.148
			Top Edge	0	79	6345	-0.02	0.041	10.35	10.50	1.035	86.23	1.160	0.049
			Bottom Edge	0	79	6345	0.13	0.008	10.35	10.50	1.035	86.23	1.160	0.010
			Right Edge	0	15	6025	0.09	0.388	10.26	10.50	1.057	86.23	1.160	0.476
			Right Edge	0	47	6185	0.09	0.416	10.22	10.50	1.067	86.23	1.160	0.515
			Right Edge	0	111	6505	-0.01	0.422	10.23	10.50	1.064	86.23	1.160	0.521
			Right Edge	0	143	6665	-0.02	0.355	10.31	10.50	1.045	86.23	1.160	0.430
			Right Edge	0	175	6825	0.07	0.323	10.18	10.50	1.076	86.23	1.160	0.403
			Right Edge	0	207	6985	0.17	0.374	10.28	10.50	1.052	86.23	1.160	0.456
	HUBBLE	Main	Front Side	0	15	6025	0.03	0.059	10.93	11.00	1.016	86.23	1.160	0.070
			Back Side	0	15	6025	-0.07	0.289	10.93	11.00	1.016	86.23	1.160	0.341
			Left Edge	0	15	6025	0.04	0.507	10.93	11.00	1.016	86.23	1.160	0.598
			Left Edge Tilt	0	15	6025	0.07	0.240	10.93	11.00	1.016	86.23	1.160	0.283
			Right Edge	0	15	6025	0.03	0.005	10.93	11.00	1.016	86.23	1.160	0.006
			Top Edge	0	15	6025	0.14	0.078	10.93	11.00	1.016	86.23	1.160	0.092
			Bottom Edge	0	15	6025	0.09	0.013	10.93	11.00	1.016	86.23	1.160	0.015
			Left Edge	0	47	6185	0.15	0.591	10.82	11.00	1.042	86.23	1.160	0.714

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

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)
Limbs														
802.11 ax160	HUBBLE	Aux.	Front Side	0	79	6345	0.11	0.013	10.35	10.50	1.035	86.23	1.160	0.016
			Back Side	0	79	6345	-0.07	0.106	10.35	10.50	1.035	86.23	1.160	0.127
			Left Edge	0	79	6345	0.04	0.004	10.35	10.50	1.035	86.23	1.160	0.005
			Right Edge	0	79	6345	-0.04	0.188	10.35	10.50	1.035	86.23	1.160	0.226
			Right Edge Tilt	0	79	6345	0.00	0.141	10.35	10.50	1.035	86.23	1.160	0.169
			Top Edge	0	79	6345	0.12	0.022	10.35	10.50	1.035	86.23	1.160	0.026
			Bottom Edge	0	79	6345	0.03	0.007	10.35	10.50	1.035	86.23	1.160	0.008
			Right Edge	0	15	6025	-0.04	0.193	10.26	10.50	1.057	86.23	1.160	0.237
			Right Edge	0	47	6185	0.00	0.203	10.22	10.50	1.067	86.23	1.160	0.251
			Right Edge	0	111	6505	0.03	0.222	10.23	10.50	1.064	86.23	1.160	0.274
			Right Edge	0	143	6665	-0.09	0.202	10.31	10.50	1.045	86.23	1.160	0.245
			Right Edge	0	175	6825	-0.06	0.211	10.18	10.50	1.076	86.23	1.160	0.263
			Right Edge	0	207	6985	0.18	0.193	10.28	10.50	1.052	86.23	1.160	0.236
	INNOWAVE	Aux.	Front Side	0	79	6345	-0.13	0.041	10.35	10.50	1.035	86.23	1.160	0.049
			Back Side	0	79	6345	0.07	0.032	10.35	10.50	1.035	86.23	1.160	0.038

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

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

9.2 WIFI 6GHz (Strap Handle)

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)
Body														
802.11 ax160	HUBBLE	Aux.	Front Side	0	79	6345	0.11	0.061	10.35	10.50	1.035	86.23	1.160	0.073
			Back Side	0	79	6345	-0.07	0.423	10.35	10.50	1.035	86.23	1.160	0.508
			Left Edge	0	79	6345	-0.15	0.005	10.35	10.50	1.035	86.23	1.160	0.006
			Right Edge	0	79	6345	0.09	0.023	10.35	10.50	1.035	86.23	1.160	0.028
			Top Edge	0	79	6345	0.17	0.087	10.35	10.50	1.035	86.23	1.160	0.104
			Bottom Edge	0	79	6345	-0.11	0.013	10.35	10.50	1.035	86.23	1.160	0.016
			Back Side	0	15	6025	0.03	0.557	10.26	10.50	1.057	86.23	1.160	0.683
			Back Side	0	47	6185	0.19	0.371	10.22	10.50	1.067	86.23	1.160	0.459
			Back Side	0	111	6505	-0.01	0.389	10.23	10.50	1.064	86.23	1.160	0.480
			Back Side	0	143	6665	-0.19	0.259	10.31	10.50	1.045	86.23	1.160	0.314
			Back Side	0	175	6825	-0.04	0.256	10.18	10.50	1.076	86.23	1.160	0.320
			Back Side	0	207	6985	-0.06	0.257	10.28	10.50	1.052	86.23	1.160	0.314
	INNOWAVE	Aux.	Front Side	0	79	6345	-0.13	0.174	10.35	10.50	1.035	86.23	1.160	0.209
			Back Side	0	79	6345	0.07	0.133	10.35	10.50	1.035	86.23	1.160	0.160
			Left Edge	0	79	6345	-0.18	0.002	10.35	10.50	1.035	86.23	1.160	0.002
			Right Edge	0	79	6345	0.05	0.013	10.35	10.50	1.035	86.23	1.160	0.016
			Top Edge	0	79	6345	-0.06	0.057	10.35	10.50	1.035	86.23	1.160	0.068
			Bottom Edge	0	79	6345	0.01	0.011	10.35	10.50	1.035	86.23	1.160	0.013
			Front Side	0	15	6025	0.18	0.088	10.26	10.50	1.057	86.23	1.160	0.108
			Front Side	0	47	6185	0.08	0.123	10.22	10.50	1.067	86.23	1.160	0.152
			Front Side	0	111	6505	-0.16	0.097	10.23	10.50	1.064	86.23	1.160	0.120
			Front Side	0	143	6665	0.18	0.118	10.31	10.50	1.045	86.23	1.160	0.143
			Front Side	0	175	6825	-0.08	0.094	10.18	10.50	1.076	86.23	1.160	0.117
			Front Side	0	207	6985	0.14	0.095	10.28	10.50	1.052	86.23	1.160	0.116
	HUBBLE	Main	Front Side	0	15	6025	0.03	0.059	10.93	11.00	1.016	86.23	1.160	0.070
			Back Side	0	15	6025	-0.07	0.289	10.93	11.00	1.016	86.23	1.160	0.341
			Left Edge	0	15	6025	-0.12	0.021	10.93	11.00	1.016	86.23	1.160	0.025
			Right Edge	0	15	6025	0.19	0.003	10.93	11.00	1.016	86.23	1.160	0.004
			Top Edge	0	15	6025	0.16	0.077	10.93	11.00	1.016	86.23	1.160	0.091
			Bottom Edge	0	15	6025	0.13	0.015	10.93	11.00	1.016	86.23	1.160	0.018
			Back Side	0	47	6185	0.02	0.350	10.82	11.00	1.042	86.23	1.160	0.423
			Back Side	0	79	6345	0.03	0.263	10.82	11.00	1.042	86.23	1.160	0.318
			Back Side	0	111	6505	0.04	0.275	10.89	11.00	1.026	86.23	1.160	0.327
			Back Side	0	143	6665	0.16	0.295	10.81	11.00	1.045	86.23	1.160	0.358

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

Note 1: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.

Note 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.

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)
Limbs														
802.11 ax160	HUBBLE	Aux.	Front Side	0	79	6345	0.11	0.013	10.35	10.50	1.035	86.23	1.160	0.016
			Back Side	0	79	6345	-0.07	0.106	10.35	10.50	1.035	86.23	1.160	0.127
			Left Edge	0	79	6345	-0.15	0.002	10.35	10.50	1.035	86.23	1.160	0.002
			Right Edge	0	79	6345	0.09	0.011	10.35	10.50	1.035	86.23	1.160	0.013
			Top Edge	0	79	6345	0.17	0.023	10.35	10.50	1.035	86.23	1.160	0.028
			Bottom Edge	0	79	6345	-0.11	0.005	10.35	10.50	1.035	86.23	1.160	0.006
			Back Side	0	15	6025	0.03	0.154	10.26	10.50	1.057	86.23	1.160	0.189
			Back Side	0	47	6185	0.19	0.102	10.22	10.50	1.067	86.23	1.160	0.126
			Back Side	0	111	6505	-0.01	0.112	10.23	10.50	1.064	86.23	1.160	0.138
			Back Side	0	143	6665	-0.19	0.085	10.31	10.50	1.045	86.23	1.160	0.103
			Back Side	0	175	6825	-0.04	0.079	10.18	10.50	1.076	86.23	1.160	0.099
			Back Side	0	207	6985	-0.06	0.074	10.28	10.50	1.052	86.23	1.160	0.090
	INNOWAVE	Aux.	Front Side	0	79	6345	-0.13	0.041	10.35	10.50	1.035	86.23	1.160	0.049
			Back Side	0	79	6345	0.07	0.032	10.35	10.50	1.035	86.23	1.160	0.038
			Left Edge	0	79	6345	-0.18	0.001	10.35	10.50	1.035	86.23	1.160	0.001
			Right Edge	0	79	6345	0.05	0.006	10.35	10.50	1.035	86.23	1.160	0.007
			Top Edge	0	79	6345	-0.06	0.015	10.35	10.50	1.035	86.23	1.160	0.018

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

Note 1: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.

Note 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.

9.3 WIFI 6GHz PD (Without Handle)

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	Meas Total psPD [W/m²]	Meas. Uncertainty Scaling Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	Scaled Total psPD [W/m²]	Meas. No.
Body																
802.11 ax160	HUBBLE	Aux.	Front Side	2	79	6345	0.08	0.323	1.545	10.35	10.50	1.035	86.23	1.160	0.599	/
			Back Side	2	79	6345	0.17	2.110	1.545	10.35	10.50	1.035	86.23	1.160	3.914	/
			Left Edge	2	79	6345	0.14	0.025	1.545	10.35	10.50	1.035	86.23	1.160	0.046	/
			Right Edge	2	79	6345	-0.06	3.120	1.545	10.35	10.50	1.035	86.23	1.160	5.787	/
			Right Edge Tilt	2	79	6345	-0.02	2.710	1.545	10.35	10.50	1.035	86.23	1.160	5.027	/
			Top Edge	2	79	6345	-0.09	0.388	1.545	10.35	10.50	1.035	86.23	1.160	0.720	/
			Bottom Edge	2	79	6345	-0.19	0.051	1.545	10.35	10.50	1.035	86.23	1.160	0.095	/
			Right Edge	2	15	6025	-0.02	3.760	1.545	10.26	10.50	1.057	86.23	1.160	7.123	/
			Right Edge	2	111	6505	0.03	4.320	1.545	10.23	10.50	1.064	86.23	1.160	8.238	1#
			Right Edge	2	175	6825	0.16	4.030	1.545	10.18	10.50	1.076	86.23	1.160	7.771	/
			Right Edge	2	207	6985	0.13	3.550	1.545	10.28	10.50	1.052	86.23	1.160	6.693	/
	HUBBLE	Main	Front Side	2	15	6025	0.14	0.155	1.545	10.93	11.00	1.016	86.23	1.160	0.282	/
			Back Side	2	15	6025	0.18	0.824	1.545	10.93	11.00	1.016	86.23	1.160	1.500	/
			Left Edge	2	15	6025	-0.16	1.610	1.545	10.93	11.00	1.016	86.23	1.160	2.932	/
			Left Edge Tilt	2	15	6025	0.16	0.731	1.545	10.93	11.00	1.016	86.23	1.160	1.331	/
			Right Edge	2	15	6025	0.15	0.018	1.545	10.93	11.00	1.016	86.23	1.160	0.033	/
			Top Edge	2	15	6025	0.05	0.223	1.545	10.93	11.00	1.016	86.23	1.160	0.406	/
			Bottom Edge	2	15	6025	0.15	0.031	1.545	10.93	11.00	1.016	86.23	1.160	0.056	/
			Left Edge	2	47	6185	-0.05	1.920	1.545	10.82	11.00	1.042	86.23	1.160	3.586	/
			Left Edge	2	111	6505	0.16	2.940	1.545	10.89	11.00	1.026	86.23	1.160	5.406	2#
			Left Edge	2	175	6825	0.10	1.780	1.545	10.74	11.00	1.062	86.23	1.160	3.388	/
			Left Edge	2	207	6985	0.14	1.660	1.545	10.83	11.00	1.040	86.23	1.160	3.094	/
			Front Side	2	15	6025	0.14	0.155	1.545	10.93	11.00	1.016	86.23	1.160	0.282	/

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

Note 2: According to FCC test guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.66 dB (84.5%) was used to determine the psPD measurement scaling factor.

9.4 WIFI 6GHz PD (Strap Handle)

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	Meas Total psPD [W/m²]	Meas. Uncertainty Scaling Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	Scaled Total psPD [W/m²]	Meas. No.
Body																
802.11 ax160	HUBBLE	Aux.	Front Side	2	79	6345	0.19	0.262	1.545	10.35	10.50	1.035	86.23	1.160	0.486	/
			Back Side	2	79	6345	-0.05	1.610	1.545	10.35	10.50	1.035	86.23	1.160	2.986	/
			Left Edge	2	79	6345	0.14	0.025	1.545	10.35	10.50	1.035	86.23	1.160	0.046	/
			Right Edge	2	79	6345	-0.14	0.087	1.545	10.35	10.50	1.035	86.23	1.160	0.161	/
			Top Edge	2	79	6345	0.15	0.323	1.545	10.35	10.50	1.035	86.23	1.160	0.599	/
			Bottom Edge	2	79	6345	0.19	0.047	1.545	10.35	10.50	1.035	86.23	1.160	0.087	/
			Back Side	2	15	5025	0.05	2.260	1.545	10.26	10.50	1.057	86.23	1.160	4.281	3#
			Back Side	2	111	6505	-0.19	1.620	1.545	10.23	10.50	1.064	86.23	1.160	3.089	/
			Back Side	2	175	6825	0.11	1.160	1.545	10.18	10.50	1.076	86.23	1.160	2.237	/
			Back Side	2	207	6985	-0.19	1.130	1.545	10.28	10.50	1.052	86.23	1.160	2.130	/
	HUBBLE	Main	Front Side	2	15	6025	0.18	0.263	1.545	10.93	11.00	1.016	86.23	1.160	0.479	/
			Back Side	2	15	6025	0.14	1.750	1.545	10.93	11.00	1.016	86.23	1.160	3.187	/
			Left Edge	2	15	6025	-0.11	0.081	1.545	10.93	11.00	1.016	86.23	1.160	0.147	/
			Right Edge	2	15	6025	0.04	0.014	1.545	10.93	11.00	1.016	86.23	1.160	0.025	/
			Top Edge	2	15	6025	0.00	0.434	1.545	10.93	11.00	1.016	86.23	1.160	0.790	/
			Bottom Edge	2	15	6025	-0.16	0.059	1.545	10.93	11.00	1.016	86.23	1.160	0.107	/
			Back Side	2	47	6185	-0.05	2.030	1.545	10.82	11.00	1.042	86.23	1.160	3.791	4#
			Back Side	2	111	6505	0.09	1.560	1.545	10.89	11.00	1.026	86.23	1.160	2.869	/
			Back Side	2	175	6825	0.07	1.510	1.545	10.74	11.00	1.062	86.23	1.160	2.874	/
			Back Side	2	207	6985	0.11	1.380	1.545	10.83	11.00	1.040	86.23	1.160	2.572	/

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

Note 2: According to FCC test guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.66 dB (84.5%) was used to determine the psPD measurement scaling factor.

Note 3: In the testing process of front and back, because the structure of the handle would make the antenna position of the test sample unable to be close to the model basin, the handle test was removed in order to better simulate the actual use scenario.

Note 4: Use factory test mode to control the power, and the power when the handle is removed is consistent with the power when the handle is put on.

Mode	Antenna Manufacturer	Antenna	Position	Dist. (mm)	Grid Step (λ)	Ch.	Freq. (MHz)	IPDn	IPD ratio (≥-1)
802.11ax160	HUBBLE	Aux.	Right Edge	2	0.0625	111	6505	15.9	0.52
	HUBBLE	Aux.	Right Edge	9.22	0.0625	111	6505	14.1	

10 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test System	Speag	DASY8 mmWave	V2.4.0.44	N/A	N/A
Verification Source	Speag	10GHz	SN: 2010	2024/6/19	2025/6/18
EUmmW Probe	Speag	EUmmWV4	SN: 9565	2025/01/15	2026/01/14
Data Acquisition Electronics	Speag	DAE4	SN: 878	2025/03/05	2026/03/04
Signal Generator	Keysight	N5173B	MY62150163	2024/08/12	2025/08/11
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Power Meter	Agilent	E4418B	GB43313877	2024/06/25	2025/06/24
Power Sensor	Agilent	E9300A	MY41499251	2024/04/29	2025/04/28
Thermometer	Elitech	RC-4HC	EF7239002655	2024/10/31	2025/10/30
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the users manual and calibration facility recommendation.

Date	Freq. (GHz)	Meas. Forward Power (dBm)	Measured PD (W/m^2)	Normalized PD 4 cm^2 (W/m^2)	Target Forward PD 4 cm^2 (W/m^2)	Deviation (dB)
2025.06.13	10	21.5	151	169.4	183.00	-0.33
2025.06.14	10	21.5	152	170.5	183.00	-0.31
2025.06.15	10	21.5	157	176.2	183.00	-0.17
Note1: The tolerance limit of System validation ±0.66dB.						
Note2: According the verification source 10GHz calibration report the target forward power is 22.00dBm.						
Note3: Normalized PD 4 cm^2= Measured PD 4 cm^2 *10^(0.1*(Target Forward power- Meas. Forward Power))						

Please refer the document “BL-SZ2550400-ASC-3.pdf”.

ANNEX B POWER DENDITY TEST DATA

Please refer the document “BL-SZ2550400-ATD-3.pdf”.

ANNEX C EUT EXTERNAL PHOTOS

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

ANNEX D POWER DENSITY TEST SETUP PHOTOS

Please refer the document “BL-SZ2550400-AS-3.pdf”.

ANNEX E POWER DENSITY CALIBRATION REPORT

Please refer the document “BL-SZ2550400-AC-2.pdf”.

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--END OF REPORT--