TEST REPORT

Applicant:	Janam Technologies LLC
Address:	999 South Oyster Bay Rd Suite 409 Bethpage, NY 11714
Equipment Type:	Mobile Computer
Model Name:	XT4
Brand Name:	Janam
FCC ID:	UTWXT4WA
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum PD:	2.29 W/m^2
Sample Arrival Date:	Nov. 15, 2024
Test Date:	Dec. 30, 2024 - Jan. 20, 2025
Date of Issue:	Apr. 24, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhang Jiwei **Checked by:** Xu Rui **Approved by:** Tolan Tu (Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Apr. 24, 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	Janam Technologies LLC
Address	999 South Oyster Bay Rd Suite 409 Bethpage, NY 11714

2.2 Manufacturer Information

Manufacturer	Janam Technologies LLC
Address	999 South Oyster Bay Rd Suite 409 Bethpage, NY 11714

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Computer
Model Name Under Test	XT4
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	QDC537
Software Version	XT4_CN_XX_WE__DS__R01_D_250109_01
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	JANAM
	Model No.	BAT-XT4
	Serial No.	N/A
	Capacity	5200 mAh
	Rated Voltage	3.84 V
	Limit Charge Voltage	4.45 V
	Manufacturer	Jiade Energy Technology (Zhuhai) Co., Ltd.
	Manufacturer Address	#1 Building No.9 The 7th Dingwan Road Sanzao Town Jinwan District Zhuhai

2.5 Technical Information

Network and Wireless connectivity	2G Network GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/13/14/17/25/26/66/71 TDD LTE Band 38/41/42/43/48 5G Network SA: NR n2/n5/n7/n12/n13/n14/n25/n26/n38/n41/n48/n66/n71/n77/n78 NSA(EN-DC): DC_2A_n5A, DC_2A_n41A, DC_2A_n66A, DC_2A_n71A, DC_2A_n78A, DC_5A_n2A, DC_5A_n7A, DC_5A_n48A, DC_5A_n66A, DC_5A_n78A, DC_7A_n5A, DC_7A_n66A, DC_7A_n77A, DC_7A_n78A, DC_12A_n2A, DC_12A_n25A, DC_12A_n66A, DC_13A_n2A, DC_13A_n48A, DC_13A_n66A, DC_14A_n2A, DC_14A_n66A, DC_25A_n41A, DC_26A_n41A, DC_26A_n78A, DC_48A_n5A, DC_48A_n66A, DC_66A_n2A, DC_66A_n5A, DC_66A_n7A, DC_66A_n25A, DC_66A_n41A, DC_66A_n48A, DC_66A_n71A, DC_66A_n78A Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160) and 802.11ax(HE20/40/80/160) GPS, GLONASS, Galileo, BDS, NFC

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

Operating Mode	6G WIFI		
Frequency Range	802.11ax(HE20/ HE40/HE80/HE160)	5925 ~ 6425 MHz	
		6425 ~ 6525 MHz	
		6525 ~ 6875 MHz	
		6875 ~ 7125 MHz	
Antenna Type	WIFI	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	47 CFR Part 1.1310	Radiofrequency radiation exposure limits
3	ANSI/IEEE C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
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	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)
8	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
9	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

Frequency Band		Maximum Scaled PD (W/m^2)	Maximum Report PD (W/m^2)
		Body	Body
NII	6 G	2.29	2.29
Limits (W/kg)		10.00	10.00
Test 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.

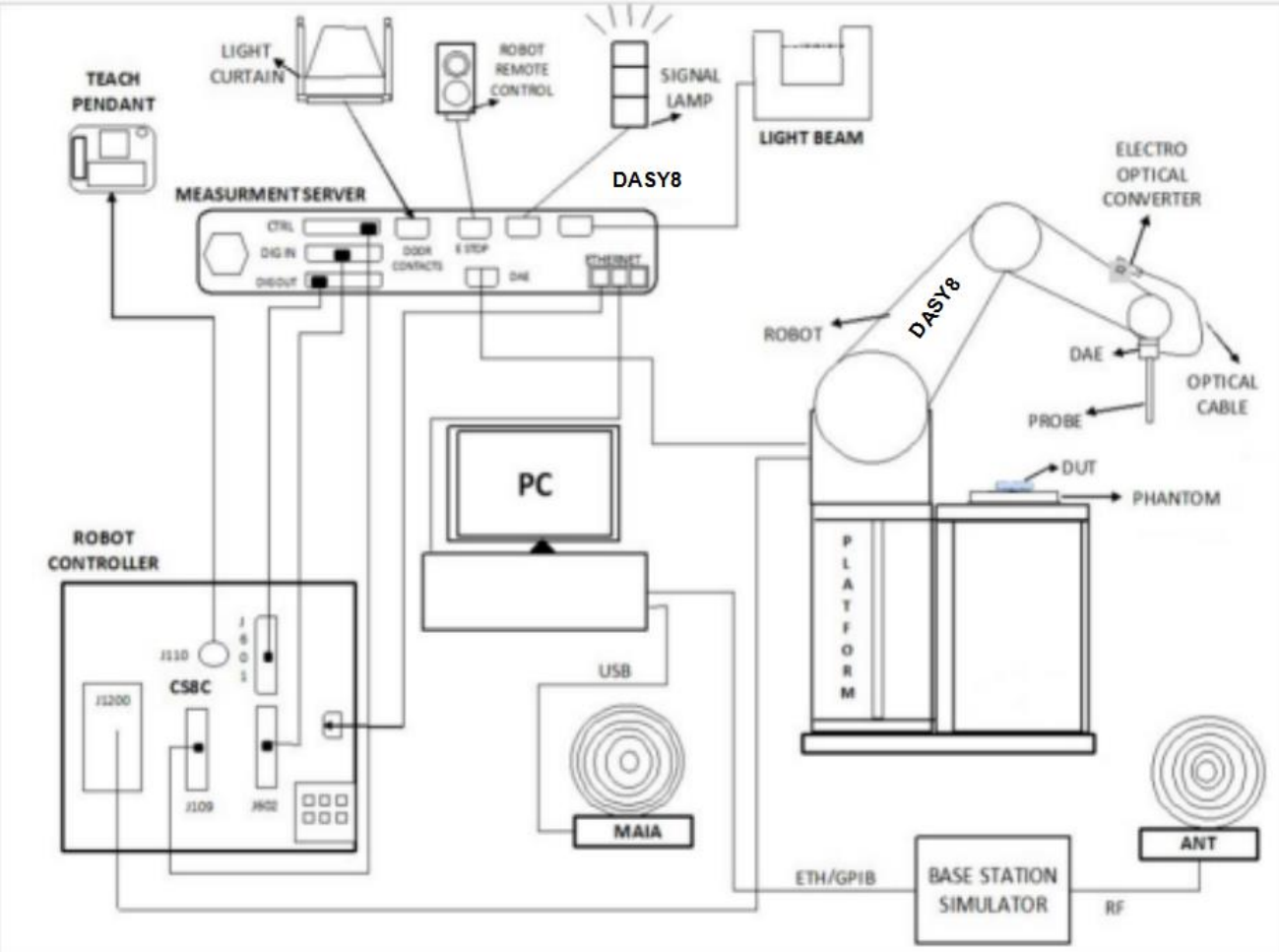
DASY8 Uncertainty Budget for PD (avg ≥1 cm2) Evaluation Distances to the Antennas ≥ λ/5 in Compliance with IEC/IEEE 63195							
Error Description		Unc. Value (±dB)	Probab. Distri.	Div.	(*ci*)	Std. Unc. (±dB)	(vi) veff
Uncertainty terms dependent on the measurement system							
CAL	Calibration	0.49	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

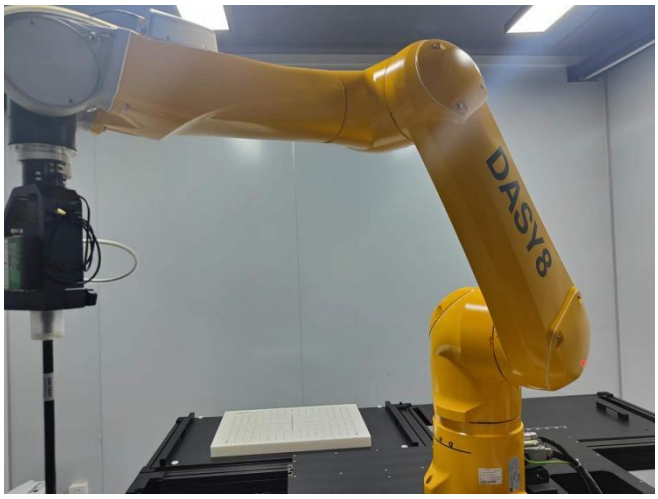


The DASY system for performing compliance tests consists of the following items:

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

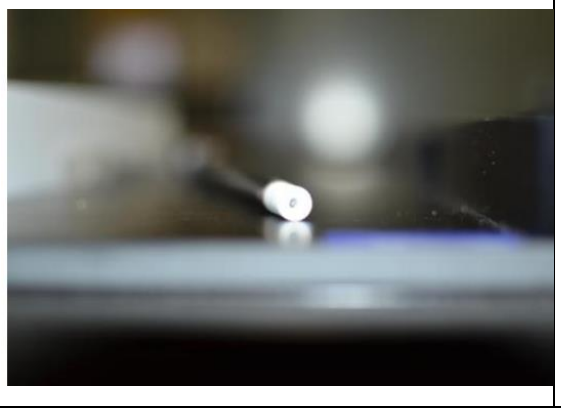
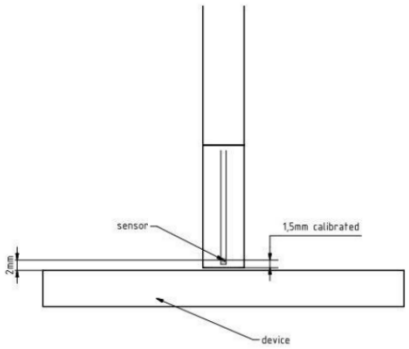
The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many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

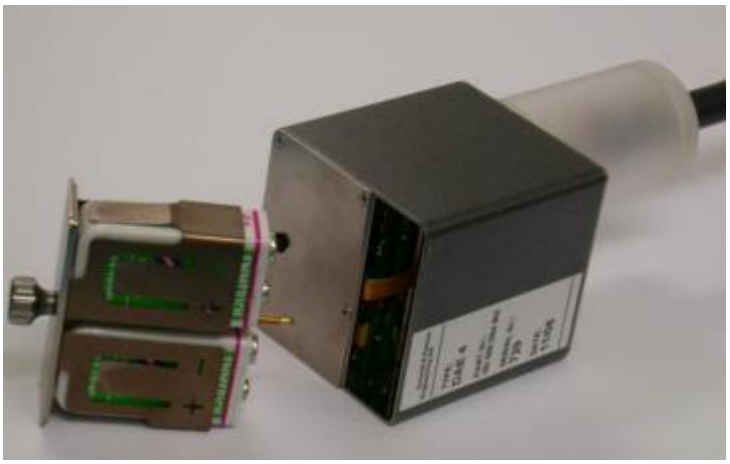
4.1.3 EUmmWave Probe / E-Field 5G Probe

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.

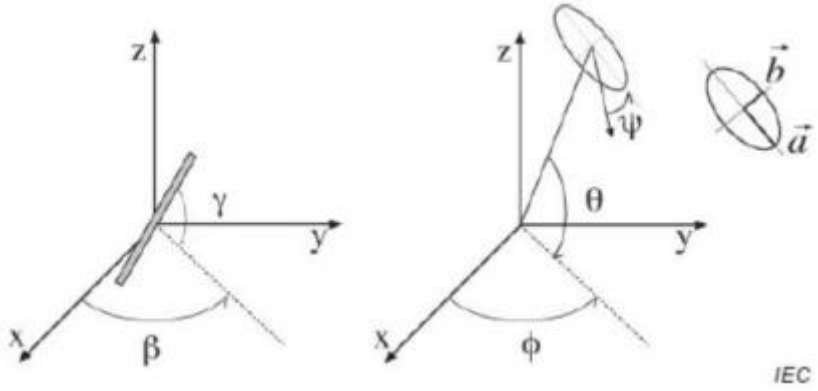


Illustration of the angles used for the numerical description of the sensor and the orientation of an ellipse in 3-D space

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

7.1 WIFI

7.1.1 6G WIFI (Antenna 8)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
6	802.11ax(HE20) (SU)	1	5955	9.43	11.00	No
		49	6195	9.26	11.00	No
		93	6415	9.16	11.00	No
		97	6435	9.59	11.00	No
		105	6475	9.63	11.00	No
		113	6515	9.72	11.00	No
		117	6535	9.65	11.00	No
		149	6695	9.19	11.00	No
		181	6855	10.38	11.00	No
		185	6875	9.10	11.00	No
		189	6895	9.43	11.00	No
		209	6995	9.41	11.00	No
		229	7095	9.17	11.00	No
		233	7115	-7.39	-6.00	No
	802.11ax(HE40) (SU)	3	5965	12.20	14.00	No
		43	6165	12.12	14.00	No
		91	6405	12.41	14.00	No
		99	6445	12.60	14.00	No
		107	6485	12.72	14.00	No
		115	6525	12.64	14.00	No
		147	6685	12.07	14.00	No
		179	6845	12.53	14.00	No
		187	6885	12.97	14.00	No
		211	7005	12.64	14.00	No
		227	7085	12.57	14.00	No
	802.11ax(HE80) (SU)	7	5985	15.33	16.00	No
		39	6145	15.26	16.00	No
		87	6385	15.60	16.00	No
		103	6465	15.56	16.00	No
		119	6545	15.53	16.00	No
		135	6625	15.05	16.00	No
		151	6705	15.84	16.00	No
		167	6785	15.80	16.00	No
		183	6865	15.80	16.00	No
		199	6945	13.93	15.00	No

		215	7025	14.36	15.00	No
	802.11ax(HE160) (SU)	15	6025	**16.80**	17.00	Yes
		47	6185	16.69	17.00	Yes
		79	6345	16.72	17.00	Yes
		111	6505	16.76	17.00	Yes
		143	6665	16.54	17.00	Yes
		175	6825	13.94	15.00	Yes
		207	6985	13.96	15.00	Yes
	802.11ax(HE20) (RU26)	1	5955	0.10	2.00	No
		49	6195	0.27	2.00	No
		93	6415	0.54	2.00	No
		97	6435	1.35	2.00	No
		105	6475	0.75	2.00	No
		113	6515	1.10	2.00	No
		117	6535	0.59	2.00	No
		153	6715	0.67	2.00	No
		181	6855	0.19	2.00	No
		185	6875	0.50	2.00	No
		189	6895	1.08	2.00	No
		209	6995	1.06	2.00	No
		229	7095	0.83	2.00	No
		233	7115	-11.98	-10.00	No
	802.11ax(HE20) (RU52)	1	5955	3.12	4.50	No
		49	6195	2.90	4.50	No
		93	6415	2.65	4.50	No
		97	6435	3.54	4.50	No
		105	6475	2.80	4.50	No
		113	6515	4.07	4.50	No
		117	6535	2.53	4.50	No
		153	6715	2.18	4.00	No
		181	6855	3.30	4.50	No
		185	6875	3.63	4.50	No
		189	6895	3.95	4.50	No
		209	6995	4.12	4.50	No
		229	7095	3.60	4.50	No
		233	7115	3.15	4.50	No
	802.11ax(HE20) (RU106)	1	5955	6.20	8.00	No
		49	6195	5.90	7.00	No
		93	6415	5.82	7.00	No
		97	6435	5.73	7.00	No
		105	6475	6.08	8.00	No
		113	6515	7.09	8.00	No
		117	6535	6.00	8.00	No

		153	6715	4.88	6.00	No
		181	6855	6.21	8.00	No
		185	6875	7.36	8.00	No
		189	6895	7.33	8.00	No
		209	6995	7.49	8.00	No
		229	7095	6.83	8.00	No
		233	7115	7.19	8.00	No
	802.11ax(HE40) (RU26)	3	5965	0.32	2.00	No
		43	6165	0.52	2.00	No
		91	6405	0.47	2.00	No
		99	6445	0.81	2.00	No
		107	6485	1.00	2.00	No
		123	6565	0.45	2.00	No
		155	6725	-0.53	1.00	No
		179	6845	0.74	2.00	No
		187	6885	1.17	2.00	No
		211	7005	0.98	2.00	No
		227	7085	0.46	2.00	No
	802.11ax(HE40) (RU52)	3	5965	3.45	4.50	No
		43	6165	3.22	4.50	No
		91	6405	2.76	4.50	No
		99	6445	4.24	4.50	No
		107	6485	4.23	4.50	No
		123	6565	2.68	4.50	No
		155	6725	2.17	4.00	No
		179	6845	3.31	4.50	No
		187	6885	4.42	4.50	No
		211	7005	4.15	4.50	No
		227	7085	3.65	4.50	No
	802.11ax(HE40) (RU106)	3	5965	6.40	8.00	No
		43	6165	6.15	8.00	No
		91	6405	5.69	7.00	No
		99	6445	7.14	8.00	No
		107	6485	7.26	8.00	No
		123	6565	5.04	7.00	No
		155	6725	5.44	7.00	No
		179	6845	5.28	7.00	No
		187	6885	7.60	8.00	No
		211	7005	7.66	8.00	No
		227	7085	6.83	8.00	No
	802.11ax(HE40) (RU242)	3	5965	9.85	11.00	No
		43	6165	9.19	11.00	No
		91	6405	8.90	10.00	No

		99	6445	9.89	11.00	No
		107	6485	10.08	11.00	No
		123	6565	9.11	11.00	No
		155	6725	8.76	10.00	No
		179	6845	9.52	11.00	No
		187	6885	10.20	11.00	No
		211	7005	10.23	11.00	No
		227	7085	9.75	11.00	No
	802.11ax(HE80) (RU26)	7	5985	0.41	2.00	No
		39	6145	0.03	2.00	No
		87	6385	-0.13	1.00	No
		103	6465	0.80	2.00	No
		119	6545	0.85	2.00	No
		135	6625	-0.36	1.00	No
		151	6705	0.74	2.00	No
		167	6785	0.69	2.00	No
		183	6865	1.10	2.00	No
		199	6945	1.19	2.00	No
		215	7025	0.42	2.00	No
	802.11ax(HE80) (RU52)	7	5985	3.44	4.50	No
		39	6145	3.35	4.50	No
		87	6385	3.53	4.50	No
		103	6465	4.17	4.50	No
		119	6545	4.13	4.50	No
		135	6625	2.73	4.50	No
		151	6705	2.16	4.00	No
		167	6785	2.97	4.50	No
		183	6865	4.40	4.50	No
		199	6945	4.48	4.50	No
		215	7025	4.24	4.50	No
	802.11ax(HE80) (RU106)	7	5985	6.47	8.00	No
		39	6145	6.31	8.00	No
		87	6385	6.52	8.00	No
		103	6465	7.14	8.00	No
		119	6545	7.06	8.00	No
		135	6625	5.73	7.00	No
		151	6705	5.91	7.00	No
		167	6785	5.93	7.00	No
		183	6865	6.97	8.00	No
		199	6945	7.74	8.00	No
		215	7025	7.17	8.00	No
	802.11ax(HE80) (RU242)	7	5985	9.92	11.00	No
		39	6145	9.55	11.00	No

		87	6385	9.71	11.00	No
		103	6465	10.16	11.00	No
		119	6545	10.17	11.00	No
		135	6625	8.81	10.00	No
		151	6705	8.88	10.00	No
		167	6785	9.12	11.00	No
		183	6865	10.73	11.00	No
		199	6945	10.45	11.00	No
		215	7025	10.06	11.00	No
	802.11ax(HE80) (RU484)	7	5985	12.74	14.00	No
		39	6145	12.85	14.00	No
		87	6385	12.45	14.00	No
		103	6465	13.17	14.00	No
		119	6545	13.05	14.00	No
		135	6625	11.85	13.00	No
		151	6705	11.65	13.00	No
		167	6785	12.32	14.00	No
		183	6865	13.51	14.00	No
		199	6945	13.33	14.00	No
		215	7025	12.90	14.00	No
	802.11ax(HE160) (RU26)	15	6025	0.40	2.00	No
		47	6185	-0.11	1.00	No
		79	6345	0.22	2.00	No
		111	6505	0.55	2.00	No
		143	6665	0.01	2.00	No
		175	6825	1.75	2.00	No
		207	6985	0.67	2.00	No
	802.11ax(HE160) (RU52)	15	6025	2.62	4.50	No
		47	6185	3.37	4.50	No
		79	6345	2.66	4.50	No
		111	6505	4.27	4.50	No
		143	6665	2.17	4.00	No
		175	6825	5.06	6.00	No
		207	6985	3.72	4.50	No
	802.11ax(HE160) (RU106)	15	6025	5.95	7.00	No
		47	6185	6.40	8.00	No
		79	6345	5.69	7.00	No
		111	6505	7.28	8.00	No
		143	6665	5.21	7.00	No
		175	6825	6.82	8.00	No
		207	6985	6.91	8.00	No
	802.11ax(HE160) (RU242)	15	6025	8.87	10.00	No
		47	6185	9.35	11.00	No

		79	6345	8.81	10.00	No
		111	6505	10.12	11.00	No
		143	6665	8.37	10.00	No
		175	6825	10.98	11.00	No
		207	6985	9.72	11.00	No
	802.11ax(HE160) (RU484)	15	6025	12.91	14.00	No
		47	6185	12.70	14.00	No
		79	6345	12.59	14.00	No
		111	6505	13.98	14.00	No
		143	6665	12.91	14.00	No
		175	6825	13.57	14.00	No
		207	6985	12.43	14.00	No
	802.11ax(HE160) (RU996)	15	6025	15.84	17.00	No
		47	6185	15.25	17.00	No
		79	6345	15.13	17.00	No
		111	6505	16.57	17.00	No
		143	6665	15.41	17.00	No
		175	6825	15.47	17.00	No
		207	6985	14.78	16.00	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.

7.1.2 6G WIFI (Antenna 9)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
6	802.11ax(HE20) (SU)	1	5955	9.24	11.00	No
		49	6195	9.06	11.00	No
		93	6415	8.96	10.50	No
		97	6435	9.19	11.00	No
		105	6475	9.23	11.00	No
		113	6515	9.32	11.00	No
		117	6535	9.25	11.00	No
		149	6695	9.19	11.00	No
		181	6855	9.98	11.00	No
		185	6875	8.90	10.50	No
		189	6895	9.13	11.00	No
		209	6995	9.18	11.00	No
		229	7095	9.15	11.00	No
		233	7115	-7.85	-6.00	No
	802.11ax(HE40) (SU)	3	5965	11.80	13.00	No
		43	6165	11.82	13.00	No
		91	6405	12.01	14.00	No
		99	6445	12.30	14.00	No
		107	6485	12.52	14.00	No
		115	6525	12.54	14.00	No
		147	6685	11.67	13.00	No
		179	6845	12.23	14.00	No
		187	6885	12.77	14.00	No
		211	7005	12.34	14.00	No
		227	7085	12.37	14.00	No
	802.11ax(HE80) (SU)	7	5985	15.23	16.00	No
		39	6145	14.86	16.00	No
		87	6385	15.35	16.00	No
		103	6465	15.46	16.00	No
		119	6545	15.23	16.00	No
		135	6625	14.95	16.00	No
		151	6705	15.44	16.00	No
		167	6785	15.80	16.00	No
		183	6865	15.47	16.00	No
		199	6945	13.93	15.00	No
		215	7025	14.26	15.00	No
	802.11ax(HE160) (SU)	15	6025	**16.80**	17.00	Yes
		47	6185	16.39	17.00	Yes
		79	6345	16.42	17.00	Yes

		111	6505	16.56	17.00	Yes
		143	6665	16.14	17.00	Yes
		175	6825	13.94	15.00	Yes
		207	6985	13.86	15.00	Yes
	802.11ax(HE20) (RU26)	1	5955	-0.10	1.00	No
		49	6195	0.27	2.00	No
		93	6415	0.14	2.00	No
		97	6435	1.35	2.00	No
		105	6475	0.95	2.00	No
		113	6515	1.00	2.00	No
		117	6535	0.19	2.00	No
		153	6715	0.87	2.00	No
		181	6855	0.09	2.00	No
		185	6875	0.50	2.00	No
		189	6895	0.68	2.00	No
		209	6995	0.86	2.00	No
		229	7095	1.03	2.00	No
		233	7115	-12.32	-11.00	No
	802.11ax(HE20) (RU52)	1	5955	2.92	4.50	No
		49	6195	3.10	4.50	No
		93	6415	2.75	4.50	No
		97	6435	3.64	4.50	No
		105	6475	2.50	4.50	No
		113	6515	3.77	4.50	No
		117	6535	2.43	4.00	No
		153	6715	1.98	3.00	No
		181	6855	3.00	4.50	No
		185	6875	3.53	4.50	No
		189	6895	3.65	4.50	No
		209	6995	3.72	4.50	No
		229	7095	3.70	4.50	No
		233	7115	3.25	4.50	No
	802.11ax(HE20) (RU106)	1	5955	6.20	8.00	No
		49	6195	5.50	7.00	No
		93	6415	6.02	7.00	No
		97	6435	5.93	7.00	No
		105	6475	6.18	8.00	No
		113	6515	6.89	8.00	No
		117	6535	6.00	8.00	No
		153	6715	5.08	6.00	No
		181	6855	6.11	8.00	No
		185	6875	7.26	8.00	No
		189	6895	7.53	8.00	No

		209	6995	7.69	8.00	No
		229	7095	6.73	8.00	No
		233	7115	6.99	8.00	No
	802.11ax(HE40) (RU26)	3	5965	0.02	2.00	No
		43	6165	0.32	2.00	No
		91	6405	0.07	2.00	No
		99	6445	0.91	2.00	No
		107	6485	1.10	2.00	No
		123	6565	0.65	2.00	No
		155	6725	-0.43	1.00	No
		179	6845	0.84	2.00	No
		187	6885	1.17	2.00	No
		211	7005	1.08	2.00	No
		227	7085	0.66	2.00	No
	802.11ax(HE40) (RU52)	3	5965	3.35	4.50	No
		43	6165	3.02	4.50	No
		91	6405	2.86	4.50	No
		99	6445	3.94	4.50	No
		107	6485	4.33	4.50	No
		123	6565	2.58	4.50	No
		155	6725	1.97	3.00	No
		179	6845	3.21	4.50	No
		187	6885	4.52	5.00	No
		211	7005	4.35	4.50	No
		227	7085	3.65	4.50	No
	802.11ax(HE40) (RU106)	3	5965	6.00	8.00	No
		43	6165	6.25	8.00	No
		91	6405	5.29	7.00	No
		99	6445	6.84	8.00	No
		107	6485	6.96	8.00	No
		123	6565	5.14	7.00	No
		155	6725	5.64	7.00	No
		179	6845	5.18	7.00	No
		187	6885	7.40	8.00	No
		211	7005	7.66	8.00	No
		227	7085	6.53	8.00	No
	802.11ax(HE40) (RU242)	3	5965	9.95	11.00	No
		43	6165	9.09	11.00	No
		91	6405	8.70	10.00	No
		99	6445	9.79	11.00	No
		107	6485	9.68	11.00	No
		123	6565	9.31	11.00	No
		155	6725	8.56	10.00	No

		179	6845	9.52	11.00	No
		187	6885	9.90	11.00	No
		211	7005	10.33	11.00	No
		227	7085	9.35	11.00	No
	802.11ax(HE80) (RU26)	7	5985	0.31	2.00	No
		39	6145	-0.27	1.00	No
		87	6385	-0.33	1.00	No
		103	6465	0.90	2.00	No
		119	6545	0.45	2.00	No
		135	6625	-0.16	1.00	No
		151	6705	0.54	2.00	No
		167	6785	0.89	2.00	No
		183	6865	1.10	2.00	No
		199	6945	0.99	2.00	No
		215	7025	0.02	2.00	No
	802.11ax(HE80) (RU52)	7	5985	3.04	4.50	No
		39	6145	3.35	4.50	No
		87	6385	3.23	4.50	No
		103	6465	4.37	4.50	No
		119	6545	4.33	4.50	No
		135	6625	2.63	4.50	No
		151	6705	2.26	4.00	No
		167	6785	2.77	4.50	No
		183	6865	4.20	4.50	No
		199	6945	4.58	5.00	No
		215	7025	4.34	4.50	No
	802.11ax(HE80) (RU106)	7	5985	6.67	8.00	No
		39	6145	6.51	8.00	No
		87	6385	6.32	8.00	No
		103	6465	7.14	8.00	No
		119	6545	7.06	8.00	No
		135	6625	5.43	7.00	No
		151	6705	5.71	7.00	No
		167	6785	5.93	7.00	No
		183	6865	6.57	8.00	No
		199	6945	7.44	8.00	No
		215	7025	6.87	8.00	No
	802.11ax(HE80) (RU242)	7	5985	9.52	11.00	No
		39	6145	9.75	11.00	No
		87	6385	9.81	11.00	No
		103	6465	10.36	11.00	No
		119	6545	10.17	11.00	No
		135	6625	9.01	10.00	No

		151	6705	8.78	10.00	No
		167	6785	9.22	11.00	No
		183	6865	10.43	11.00	No
		199	6945	10.25	11.00	No
		215	7025	10.26	11.00	No
	802.11ax(HE80) (RU484)	7	5985	12.54	14.00	No
		39	6145	12.45	14.00	No
		87	6385	12.05	14.00	No
		103	6465	13.17	14.00	No
		119	6545	13.25	14.00	No
		135	6625	11.65	13.00	No
		151	6705	11.25	13.00	No
		167	6785	12.32	14.00	No
		183	6865	13.61	14.00	No
		199	6945	12.93	14.00	No
		215	7025	13.10	14.00	No
	802.11ax(HE160) (RU26)	15	6025	0.30	2.00	No
		47	6185	-0.41	1.00	No
		79	6345	0.02	2.00	No
		111	6505	0.55	2.00	No
		143	6665	0.21	2.00	No
		175	6825	1.75	2.00	No
		207	6985	0.87	2.00	No
	802.11ax(HE160) (RU52)	15	6025	2.22	4.00	No
		47	6185	2.97	4.50	No
		79	6345	2.86	4.50	No
		111	6505	4.37	4.50	No
		143	6665	2.17	4.00	No
		175	6825	4.86	6.00	No
		207	6985	3.32	4.50	No
	802.11ax(HE160) (RU106)	15	6025	5.75	7.00	No
		47	6185	6.20	8.00	No
		79	6345	5.49	7.00	No
		111	6505	6.88	8.00	No
		143	6665	4.81	6.00	No
		175	6825	7.02	8.00	No
		207	6985	7.01	8.00	No
	802.11ax(HE160) (RU242)	15	6025	8.87	10.00	No
		47	6185	9.55	11.00	No
		79	6345	8.41	10.00	No
		111	6505	10.02	11.00	No
		143	6665	8.07	10.00	No
		175	6825	10.78	11.00	No

		207	6985	9.72	11.00	No
	802.11ax(HE160) (RU484)	15	6025	12.61	14.00	No
		47	6185	12.40	14.00	No
		79	6345	12.39	14.00	No
		111	6505	13.68	14.00	No
		143	6665	12.91	14.00	No
		175	6825	13.27	14.00	No
		207	6985	12.13	14.00	No
	802.11ax(HE160) (RU996)	15	6025	15.54	17.00	No
		47	6185	15.15	17.00	No
		79	6345	15.23	17.00	No
		111	6505	16.77	17.00	No
		143	6665	15.61	17.00	No
		175	6825	15.67	17.00	No
		207	6985	14.58	16.00	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.						

7.1.3 6G WIFI (MIMO)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
6	802.11ax(HE20) (SU)	1	5955	9.00	10.00	No
		49	6195	8.82	10.00	No
		93	6415	8.42	10.00	No
		97	6435	8.90	10.00	No
		105	6475	9.07	11.00	No
		113	6515	9.13	11.00	No
		117	6535	9.31	11.00	No
		149	6695	8.70	10.00	No
		181	6855	9.82	11.00	No
		185	6875	8.31	10.00	No
		189	6895	9.04	11.00	No
		209	6995	8.96	10.00	No
		229	7095	8.82	10.00	No
		233	7115	-7.66	-6.00	No
	802.11ax(HE40) (SU)	3	5965	11.62	13.00	No
		43	6165	11.65	13.00	No
		91	6405	11.84	13.00	No
		99	6445	12.17	14.00	No
		107	6485	12.23	14.00	No
		115	6525	12.15	14.00	No
		147	6685	11.48	13.00	No
		179	6845	11.99	13.00	No
		187	6885	12.49	14.00	No
		211	7005	12.30	14.00	No
		227	7085	11.88	13.00	No
	802.11ax(HE80) (SU)	7	5985	14.90	16.00	No
		39	6145	14.77	16.00	No
		87	6385	15.15	16.00	No
		103	6465	15.22	16.00	No
		119	6545	14.74	16.00	No
		135	6625	14.86	16.00	No
		151	6705	15.22	16.00	No
		167	6785	15.42	16.00	No
		183	6865	15.15	16.00	No
		199	6945	13.74	15.00	No
		215	7025	13.87	15.00	No
	802.11ax(HE160) (SU)	15	6025	16.16	17.00	Yes
		47	6185	16.10	17.00	Yes
		79	6345	**16.43**	17.00	Yes

		111	6505	16.42	17.00	Yes
		143	6665	15.87	17.00	Yes
		175	6825	13.85	15.00	Yes
		207	6985	13.22	15.00	Yes
	802.11ax(HE20) (RU26)	1	5955	0.01	2.00	No
		49	6195	0.19	2.00	No
		93	6415	0.11	2.00	No
		97	6435	1.36	2.00	No
		105	6475	0.86	2.00	No
		113	6515	0.96	2.00	No
		117	6535	0.22	2.00	No
		153	6715	0.88	2.00	No
		181	6855	0.25	2.00	No
		185	6875	0.56	2.00	No
		189	6895	0.76	2.00	No
		209	6995	0.89	2.00	No
		229	7095	1.14	2.00	No
		233	7115	-12.06	-11.00	No
	802.11ax(HE20) (RU52)	1	5955	3.08	4.50	No
		49	6195	2.61	4.50	No
		93	6415	2.41	4.00	No
		97	6435	3.70	4.50	No
		105	6475	2.81	4.50	No
		113	6515	3.93	4.50	No
		117	6535	2.24	4.00	No
		153	6715	1.94	3.00	No
		181	6855	2.91	4.50	No
		185	6875	3.69	4.50	No
		189	6895	3.81	4.50	No
		209	6995	3.78	4.50	No
		229	7095	3.66	4.50	No
		233	7115	3.31	4.50	No
	802.11ax(HE20) (RU106)	1	5955	5.91	7.00	No
		49	6195	5.71	7.00	No
		93	6415	5.93	7.00	No
		97	6435	5.54	7.00	No
		105	6475	6.15	8.00	No
		113	6515	6.76	8.00	No
		117	6535	5.71	7.00	No
		153	6715	4.94	6.00	No
		181	6855	5.98	7.00	No
		185	6875	7.17	8.00	No
		189	6895	7.44	8.00	No

		209	6995	7.60	8.00	No
		229	7095	6.69	8.00	No
		233	7115	6.90	8.00	No
	802.11ax(HE40) (RU26)	3	5965	0.03	2.00	No
		43	6165	0.38	2.00	No
		91	6405	0.39	2.00	No
		99	6445	0.62	2.00	No
		107	6485	0.97	2.00	No
		123	6565	0.42	2.00	No
		155	6725	-0.72	1.00	No
		179	6845	0.50	2.00	No
		187	6885	1.03	2.00	No
		211	7005	1.09	2.00	No
		227	7085	0.17	2.00	No
	802.11ax(HE40) (RU52)	3	5965	3.51	4.50	No
		43	6165	2.98	4.50	No
		91	6405	2.47	4.00	No
		99	6445	4.00	4.50	No
		107	6485	4.09	4.50	No
		123	6565	2.79	4.50	No
		155	6725	1.93	3.00	No
		179	6845	3.02	4.50	No
		187	6885	4.53	5.00	No
		211	7005	4.31	4.50	No
		227	7085	3.66	4.50	No
	802.11ax(HE40) (RU106)	3	5965	6.03	8.00	No
		43	6165	5.96	7.00	No
		91	6405	5.40	7.00	No
		99	6445	7.00	8.00	No
		107	6485	6.92	8.00	No
		123	6565	4.75	6.00	No
		155	6725	5.65	7.00	No
		179	6845	5.29	7.00	No
		187	6885	7.52	8.00	No
		211	7005	7.58	8.00	No
		227	7085	6.69	8.00	No
	802.11ax(HE40) (RU242)	3	5965	10.01	11.00	No
		43	6165	8.75	10.00	No
		91	6405	9.01	10.00	No
		99	6445	9.75	11.00	No
		107	6485	9.84	11.00	No
		123	6565	9.32	11.00	No
		155	6725	8.27	10.00	No

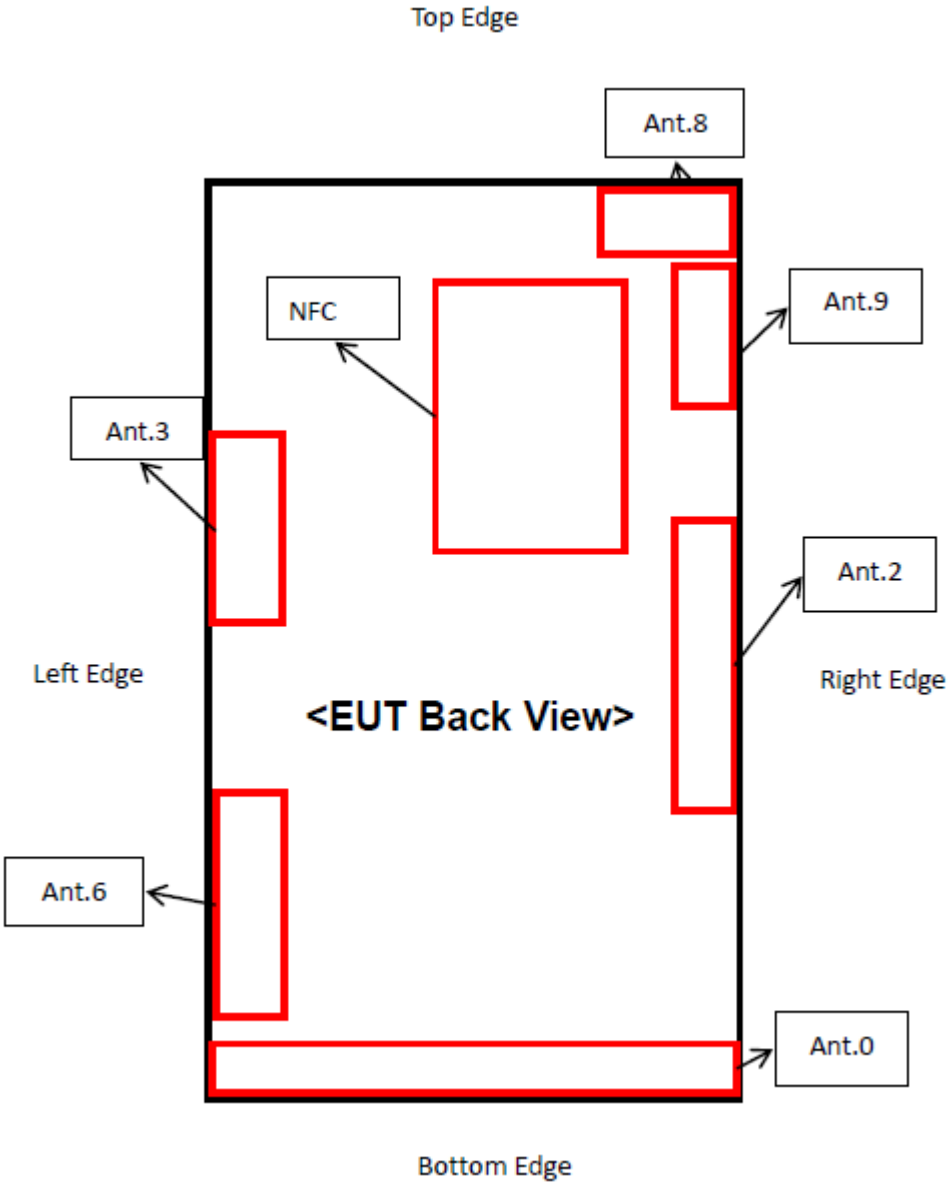
		179	6845	9.44	11.00	No
		187	6885	9.86	11.00	No
		211	7005	10.14	11.00	No
		227	7085	9.51	11.00	No
	802.11ax(HE80) (RU26)	7	5985	0.27	2.00	No
		39	6145	-0.16	1.00	No
		87	6385	-0.37	1.00	No
		103	6465	0.71	2.00	No
		119	6545	0.31	2.00	No
		135	6625	-0.50	1.00	No
		151	6705	0.65	2.00	No
		167	6785	0.80	2.00	No
		183	6865	1.21	2.00	No
		199	6945	0.70	2.00	No
		215	7025	0.13	2.00	No
	802.11ax(HE80) (RU52)	7	5985	3.30	4.50	No
		39	6145	3.21	4.50	No
		87	6385	3.19	4.50	No
		103	6465	4.08	4.50	No
		119	6545	4.34	4.50	No
		135	6625	2.34	4.00	No
		151	6705	2.37	4.00	No
		167	6785	2.53	4.50	No
		183	6865	4.16	4.50	No
		199	6945	4.59	5.00	No
		215	7025	4.15	4.50	No
	802.11ax(HE80) (RU106)	7	5985	6.44	8.00	No
		39	6145	6.47	8.00	No
		87	6385	6.23	8.00	No
		103	6465	7.05	8.00	No
		119	6545	7.07	8.00	No
		135	6625	5.50	7.00	No
		151	6705	5.97	7.00	No
		167	6785	5.99	7.00	No
		183	6865	6.84	8.00	No
		199	6945	7.65	8.00	No
		215	7025	6.78	8.00	No
	802.11ax(HE80) (RU242)	7	5985	9.59	11.00	No
		39	6145	9.31	11.00	No
		87	6385	9.62	11.00	No
		103	6465	10.27	11.00	No
		119	6545	10.08	11.00	No
		135	6625	8.73	10.00	No

		151	6705	8.94	10.00	No
		167	6785	9.04	11.00	No
		183	6865	10.50	11.00	No
		199	6945	10.27	11.00	No
		215	7025	10.07	11.00	No
	802.11ax(HE80) (RU484)	7	5985	12.60	14.00	No
		39	6145	12.37	14.00	No
		87	6385	12.19	14.00	No
		103	6465	13.18	14.00	No
		119	6545	12.92	14.00	No
		135	6625	11.76	13.00	No
		151	6705	11.56	13.00	No
		167	6785	12.13	14.00	No
		183	6865	13.32	14.00	No
		199	6945	12.84	14.00	No
		215	7025	13.21	14.00	No
	802.11ax(HE160) (RU26)	15	6025	0.46	2.00	No
		47	6185	-0.45	1.00	No
		79	6345	-0.07	1.00	No
		111	6505	0.36	2.00	No
		143	6665	-0.13	1.00	No
		175	6825	1.86	2.00	No
		207	6985	0.83	2.00	No
	802.11ax(HE160) (RU52)	15	6025	2.48	4.00	No
		47	6185	3.03	4.50	No
		79	6345	2.92	4.50	No
		111	6505	4.28	4.50	No
		143	6665	1.88	3.00	No
		175	6825	4.77	6.00	No
		207	6985	3.29	4.50	No
	802.11ax(HE160) (RU106)	15	6025	6.01	7.00	No
		47	6185	5.96	7.00	No
		79	6345	5.41	7.00	No
		111	6505	6.99	8.00	No
		143	6665	4.94	6.00	No
		175	6825	7.03	8.00	No
		207	6985	6.97	8.00	No
	802.11ax(HE160) (RU242)	15	6025	8.83	10.00	No
		47	6185	9.32	11.00	No
		79	6345	8.59	10.00	No
		111	6505	10.13	11.00	No
		143	6665	8.13	10.00	No
		175	6825	10.69	11.00	No

		207	6985	9.78	11.00	No
	802.11ax(HE160) (RU484)	15	6025	12.57	14.00	No
		47	6185	12.46	14.00	No
		79	6345	12.30	14.00	No
		111	6505	13.69	14.00	No
		143	6665	12.77	14.00	No
		175	6825	13.58	14.00	No
		207	6985	12.14	14.00	No
	802.11ax(HE160) (RU996)	15	6025	15.40	17.00	No
		47	6185	15.16	17.00	No
		79	6345	14.94	16.00	No
		111	6505	16.28	17.00	No
		143	6665	15.47	17.00	No
		175	6825	15.53	17.00	No
		207	6985	14.44	16.00	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 ANTENNA LOCATION

8.1 Antenna location sketch



Antenna	Description	Support Bands
Antenna 0	2/3/4/5G TX Antenna	GSM 850 WCDMA Band 5 LTE Band 5/12/13/14/17/26/71 NR n5/12/13/14/26/71
Antenna 2	2/3/4/5G TX Antenna	GSM 1900 WCDMA Band 2/4 LTE Band 2/4/7/25/66/38/40/41 NR n2/7/25/66/38/41
Antenna 3	4/5G TX Antenna	LTE Band 42/43/48 NR n48/77/78
Antenna 6	4/5G TX Antenna	LTE Band 2/7/25/66 NR n2/7/25/66/41
Antenna 8	WLAN 2.4G TX Antenna WLAN 5G TX Antenna WLAN 6G TX Antenna Bluetooth TX Antenna	2.4G WLAN 5G WLAN 6G WLAN Bluetooth
Antenna 9	WLAN 2.4G TX Antenna WLAN 5G TX Antenna WLAN 6G TX Antenna Bluetooth TX Antenna	2.4G WLAN 5G WLAN 6G WLAN Bluetooth

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 Body SAR

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Measured APD4cm2 [W/m2]	Scaled APD [W/m2]
Body															
Ant.8	802.11ax 160	Front Side	10	15	6025	0.04	0.086	16.80	17.00	1.047	99.30	1.007	0.091	0.609	0.642
		Back Side	10	15	6025	-0.16	0.215	16.80	17.00	1.047	99.30	1.007	0.227	1.670	1.761
		Left Edge	10	15	6025	0.00	0.009	16.80	17.00	1.047	99.30	1.007	0.009	0.058	0.061
		Right Edge	10	15	6025	-0.11	0.179	16.80	17.00	1.047	99.30	1.007	0.189	1.510	1.592
		Top Edge	10	15	6025	0.08	0.206	16.80	17.00	1.047	99.30	1.007	0.217	1.590	1.676
		Bottom Edge	10	15	6025	0.02	0.001	16.80	17.00	1.047	99.30	1.007	0.001	0.008	0.008
		Back Side	10	47	6185	-0.05	0.176	16.69	17.00	1.074	99.30	1.007	0.190	1.410	1.525
		Back Side	10	79	6345	-0.02	0.210	16.72	17.00	1.067	99.30	1.007	0.226	1.450	1.558
		Back Side	10	111	6505	0.06	0.196	16.76	17.00	1.057	99.30	1.007	0.209	1.430	1.522
		Back Side	10	143	6665	-0.09	0.198	16.54	17.00	1.112	99.30	1.007	0.222	1.560	1.747
		Back Side	10	175	6825	-0.13	0.126	13.94	15.00	1.276	99.30	1.007	0.162	1.310	1.683
		Back Side	10	207	6985	0.14	0.125	13.96	15.00	1.271	99.30	1.007	0.160	1.050	1.344
Ant.9	802.11ax 160	Front Side	10	15	6025	0.07	0.010	16.80	17.00	1.047	99.30	1.007	0.011	0.082	0.086
		Back Side	10	15	6025	-0.07	0.059	16.80	17.00	1.047	99.30	1.007	0.062	0.447	0.471
		Left Edge	10	15	6025	-0.07	0.003	16.80	17.00	1.047	99.30	1.007	0.003	0.023	0.024
		Right Edge	10	15	6025	-0.13	0.019	16.80	17.00	1.047	99.30	1.007	0.020	0.146	0.154
		Top Edge	10	15	6025	-0.11	0.006	16.80	17.00	1.047	99.30	1.007	0.006	0.041	0.043
		Bottom Edge	10	15	6025	0.02	0.001	16.80	17.00	1.047	99.30	1.007	0.001	0.007	0.007
		Back Side	10	47	6185	-0.03	0.052	16.39	17.00	1.151	99.30	1.007	0.060	0.485	0.562
		Back Side	10	79	6345	-0.10	0.053	16.42	17.00	1.143	99.30	1.007	0.061	0.390	0.449
		Back Side	10	111	6505	0.08	0.048	16.56	17.00	1.107	99.30	1.007	0.054	0.393	0.438
		Back Side	10	143	6665	-0.03	0.049	16.14	17.00	1.219	99.30	1.007	0.060	0.384	0.471
		Back Side	10	175	6825	-0.01	0.031	13.94	15.00	1.276	99.30	1.007	0.040	0.297	0.382
		Back Side	10	207	6985	0.03	0.035	13.86	15.00	1.300	99.30	1.007	0.046	0.318	0.416
MIMO	802.11ax 160	Front Side	10	79	6345	-0.06	0.071	16.43	17.00	1.140	99.30	1.007	0.082	0.585	0.672
		Back Side	10	79	6345	0.04	0.138	16.43	17.00	1.140	99.30	1.007	0.158	1.130	1.297
		Left Edge	10	79	6345	0.01	0.009	16.43	17.00	1.140	99.30	1.007	0.010	0.066	0.076
		Right Edge	10	79	6345	0.09	0.118	16.43	17.00	1.140	99.30	1.007	0.135	0.923	1.060
		Top Edge	10	79	6345	-0.15	0.133	16.43	17.00	1.140	99.30	1.007	0.153	1.020	1.171
		Bottom Edge	10	79	6345	0.04	0.001	16.43	17.00	1.140	99.30	1.007	0.001	0.007	0.008
		Back Side	10	15	6025	-0.15	0.130	16.16	17.00	1.213	99.30	1.007	0.159	1.020	1.246
		Back Side	10	47	6185	-0.04	0.119	16.10	17.00	1.230	99.30	1.007	0.147	0.973	1.205
		Back Side	10	111	6505	-0.10	0.125	16.42	17.00	1.143	99.30	1.007	0.144	1.050	1.209
		Back Side	10	143	6665	-0.01	0.121	15.87	17.00	1.297	99.30	1.007	0.158	1.030	1.345
		Back Side	10	175	6825	0.08	0.076	13.85	15.00	1.303	99.30	1.007	0.100	0.691	0.907
		Back Side	10	207	6985	0.07	0.074	13.22	15.00	1.507	99.30	1.007	0.112	0.725	1.100

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10g Scaled SAR (W/kg)	Measured APD4cm2 [W/m2]	Scaled APD [W/m2]
Extremity															
Ant.8	802.11ax 160	Front Side	0	15	6025	0.10	0.078	16.80	17.00	1.047	99.30	1.007	0.082	1.580	1.666
		Back Side	0	15	6025	-0.17	0.275	16.80	17.00	1.047	99.30	1.007	0.290	6.470	6.822
		Left Edge	0	15	6025	-0.05	0.006	16.80	17.00	1.047	99.30	1.007	0.006	0.116	0.122
		Right Edge	0	15	6025	-0.02	0.195	16.80	17.00	1.047	99.30	1.007	0.206	4.710	4.966
		Top Edge	0	15	6025	-0.03	0.178	16.80	17.00	1.047	99.30	1.007	0.188	4.590	4.839
		Bottom Edge	0	15	6025	0.14	0.002	16.80	17.00	1.047	99.30	1.007	0.002	0.043	0.045
		Back Side	0	47	6185	-0.04	0.256	16.69	17.00	1.074	99.30	1.007	0.277	5.600	6.057
		Back Side	0	79	6345	-0.13	0.243	16.72	17.00	1.067	99.30	1.007	0.261	6.080	6.533
		Back Side	0	111	6505	0.06	0.246	16.76	17.00	1.057	99.30	1.007	0.262	5.410	5.758
		Back Side	0	143	6665	0.13	0.239	16.54	17.00	1.112	99.30	1.007	0.268	5.180	5.800
		Back Side	0	175	6825	0.11	0.153	13.94	15.00	1.276	99.30	1.007	0.197	4.200	5.397
		Back Side	0	207	6985	-0.04	0.151	13.96	15.00	1.271	99.30	1.007	0.193	4.160	5.324
Ant.9	802.11ax 160	Front Side	0	15	6025	-0.11	0.013	16.80	17.00	1.047	99.30	1.007	0.014	0.282	0.297
		Back Side	0	15	6025	-0.10	0.078	16.80	17.00	1.047	99.30	1.007	0.082	1.910	2.014
		Left Edge	0	15	6025	0.12	0.006	16.80	17.00	1.047	99.30	1.007	0.006	0.134	0.141
		Right Edge	0	15	6025	0.15	0.026	16.80	17.00	1.047	99.30	1.007	0.027	0.533	0.562
		Top Edge	0	15	6025	-0.04	0.007	16.80	17.00	1.047	99.30	1.007	0.007	0.150	0.158
		Bottom Edge	0	15	6025	0.00	0.001	16.80	17.00	1.047	99.30	1.007	0.001	0.021	0.022
		Back Side	0	47	6185	-0.08	0.073	16.39	17.00	1.151	99.30	1.007	0.085	1.770	2.052
		Back Side	0	79	6345	-0.10	0.073	16.42	17.00	1.143	99.30	1.007	0.084	2.030	2.337
		Back Side	0	111	6505	-0.02	0.068	16.56	17.00	1.107	99.30	1.007	0.076	1.650	1.839
		Back Side	0	143	6665	0.12	0.072	16.14	17.00	1.219	99.30	1.007	0.088	2.130	2.615
		Back Side	0	175	6825	0.15	0.045	13.94	15.00	1.276	99.30	1.007	0.058	1.150	1.478
		Back Side	0	207	6985	0.01	0.038	13.86	15.00	1.300	99.30	1.007	0.050	1.150	1.505
MIMO	802.11ax 160	Front Side	0	79	6345	-0.03	0.079	16.43	17.00	1.140	99.30	1.007	0.091	1.720	1.975
		Back Side	0	79	6345	-0.13	0.176	16.43	17.00	1.140	99.30	1.007	0.202	4.170	4.787
		Left Edge	0	79	6345	0.07	0.005	16.43	17.00	1.140	99.30	1.007	0.006	0.119	0.137
		Right Edge	0	79	6345	0.07	0.142	16.43	17.00	1.140	99.30	1.007	0.163	3.870	4.443
		Top Edge	0	79	6345	0.06	0.139	16.43	17.00	1.140	99.30	1.007	0.160	3.050	3.501
		Bottom Edge	0	79	6345	-0.15	0.002	16.43	17.00	1.140	99.30	1.007	0.002	0.040	0.046
		Back Side	0	15	6025	-0.11	0.171	16.16	17.00	1.213	99.30	1.007	0.209	4.220	5.155
		Back Side	0	47	6185	-0.02	0.165	16.10	17.00	1.230	99.30	1.007	0.204	4.710	5.834
		Back Side	0	111	6505	0.12	0.158	16.42	17.00	1.143	99.30	1.007	0.182	3.840	4.420
		Back Side	0	143	6665	0.02	0.162	15.87	17.00	1.297	99.30	1.007	0.212	5.080	6.635
		Back Side	0	175	6825	-0.02	0.105	13.85	15.00	1.303	99.30	1.007	0.138	3.280	4.304
		Back Side	0	207	6985	-0.03	0.093	13.22	15.00	1.507	99.30	1.007	0.141	3.290	4.993

9.2 WIFI 6GHz PD

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Grip step (λ)	Averaging Area [cm2]	Power Drift (dB)	Meas Total psPD [W/m2]	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Duty cycle Factor	Meas. uncertainty Scaling Factor	Scaled Total psPD [W/m2]	Meas. No.
Body																	
Ant.8	802.11 ax160	Front Side	2	15	6025	0.0625	4.00	0.15	0.581	16.80	17.00	1.047	99.30	1.007	1.545	0.946	/
		Back Side	2	15	6025	0.0625	4.00	-0.13	1.340	16.80	17.00	1.047	99.30	1.007	1.545	2.183	/
		Left Edge	2	15	6025	0.0625	4.00	-0.12	0.117	16.80	17.00	1.047	99.30	1.007	1.545	0.191	/
		Right Edge	2	15	6025	0.0625	4.00	0.14	1.080	16.80	17.00	1.047	99.30	1.007	1.545	1.759	/
		Top Edge	2	15	6025	0.0625	4.00	0.01	1.220	16.80	17.00	1.047	99.30	1.007	1.545	1.987	/
		Bottom Edge	2	15	6025	0.0625	4.00	0.11	0.106	16.80	17.00	1.047	99.30	1.007	1.545	0.173	/
		Back Side	2	47	6185	0.0625	4.00	-0.09	1.370	16.69	17.00	1.074	99.30	1.007	1.545	**2.289**	1#
		Back Side	2	79	6025	0.0625	4.00	0.13	1.360	16.72	17.00	1.067	99.30	1.007	1.545	2.258	/
		Back Side	2	111	6505	0.0625	4.00	0.08	1.390	16.76	17.00	1.057	99.30	1.007	1.545	2.286	/
		Back Side	2	143	6665	0.0625	4.00	0.10	1.280	16.54	17.00	1.112	99.30	1.007	1.545	2.214	/
		Back Side	2	175	6825	0.0625	4.00	0.11	0.827	13.94	15.00	1.276	99.30	1.007	1.545	1.642	/
		Back Side	2	207	6985	0.0625	4.00	0.02	0.756	13.96	15.00	1.271	99.30	1.007	1.545	1.495	/
Ant.9	802.11 ax160	Front Side	2	15	6025	0.0625	4.00	0.04	0.214	16.80	17.00	1.047	99.30	1.007	1.545	0.349	/
		Back Side	2	15	6025	0.0625	4.00	0.15	0.850	16.80	17.00	1.047	99.30	1.007	1.545	1.385	/
		Left Edge	2	15	6025	0.0625	4.00	-0.13	0.126	16.80	17.00	1.047	99.30	1.007	1.545	0.205	/
		Right Edge	2	15	6025	0.0625	4.00	-0.04	0.158	16.80	17.00	1.047	99.30	1.007	1.545	0.257	/
		Top Edge	2	15	6025	0.0625	4.00	-0.03	0.118	16.80	17.00	1.047	99.30	1.007	1.545	0.192	/
		Bottom Edge	2	15	6025	0.0625	4.00	0.09	0.126	16.80	17.00	1.047	99.30	1.007	1.545	0.205	/
MIMO	802.11 ax160	Front Side	2	79	6345	0.0625	4.00	0.07	0.468	16.43	17.00	1.140	99.30	1.007	1.545	0.830	/
		Back Side	2	79	6345	0.0625	4.00	0.15	0.924	16.43	17.00	1.140	99.30	1.007	1.545	1.639	/
		Left Edge	2	79	6345	0.0625	4.00	0.13	0.132	16.43	17.00	1.140	99.30	1.007	1.545	0.234	/
		Right Edge	2	79	6345	0.0625	4.00	0.10	0.782	16.43	17.00	1.140	99.30	1.007	1.545	1.387	/
		Top Edge	2	79	6345	0.0625	4.00	0.15	0.894	16.43	17.00	1.140	99.30	1.007	1.545	1.586	/
		Bottom Edge	2	79	6345	0.0625	4.00	-0.01	0.106	16.43	17.00	1.140	99.30	1.007	1.545	0.188	/

Note: 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.

Mode	Antenna	Position	Dist. (mm)	Grid Step(λ)	Ch.	Freq. (MHz)	IPDn	IPD ratio (≥-1)
802.11ax160	Ant.8	Back Side	2	0.0625	47	6185	2.14	2.34
	Ant.8	Back Side	9.7	0.0625	47	6185	1.25	

10 SIMULTANEOUS TRANSMISSION

The fields generated by the antennas can be correlated or uncorrelated. At different frequencies, fields are always uncorrelated, and the aggregate power density contributions can be summed according to spatially averaged values of corresponding sources at any point in space, r, to determine the total exposure ratio (TER). Assuming I sources, the TER at each point in space is equal to

$$TER^{uncorr}(r) = \sum_{i=1}^{I} ER_i = \sum_{i=1}^{I} \frac{S_{av,i}(r, f_i)}{S_{lim}(f_i)}$$

Where Sav,i is the power density for the source I operating at a frequency fi and Slim is the power density limit as specified by the relevant standard.
Exposure from transmitters operating above and below 6GHz, where 6GHz denotes the transmission frequency where the basic restrictions change from being defined in terms of SAR to being defined in terms of power density, therefore uncorrelated and the TER is determined as

$$TER^{uncorr}(r) = \sum_{i=1}^{I} ER_i = \sum_{i=1}^{I} \frac{S_{av,i}(r, f_i)}{S_{lim}(f_i)}$$

According to the FCC guidance in TCBC workshop and IEC TR 63170, the total exposure ratio calculated by taking ratio of maximum reported SAR divided by SAR limit and adding it to maximum measured power density by its limit. Numerical sum of the ratios should be less or equal to 1. Therefore the simultaneous transmission should be follows:

$$TER = \sum_{n=1}^{N} \frac{SAR_n}{SAR_{n,limit}} + \sum_{n=1}^{N} \frac{S_{m,avg}}{S_{m,limit}} < 1$$

10.1 Simultaneous Transmission Mode Considerations

No.	Simultaneous Tx Combination	Body	Extremity
1	6G WIFI + BT	Yes	Yes
2	2.4G WIFI + 6G WIFI	Yes	Yes
3	WWAN + 6G WIFI	Yes	Yes
4	WWAN + 2.4G WIFI + 6G WIFI	Yes	Yes
5	WWAN + 6G WIFI + BT	Yes	Yes

Note:

1. For WLAN 6GHz doesn't support wireless router capability.
2. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis were compliant with KDB 447498. For the Device does not support FR2 or other MPE field measurement, therefore in the SAR report has no TER analysis according to KDB 987594 requirement.

11 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	2024/06/19	2025/06/18
Data Acquisition Electronics	Speag	DAE4	SN: 905	2024/06/28	2025/06/27
Data Acquisition Electronicsr	Speag	DAE4	SN: 1711	2024/03/18	2025/03/17
EUmmW Probe	Speag	EUmmWV4	SN: 9607	2024/02/12	2025/02/11
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/23
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z4	100381	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Thermometer	Elitech	RC-4HC	EF7239002652	2024/09/14	2025/09/13
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 4 cm^2 (W/m^2)	Normalized PD 4 cm^2 (W/m^2)	Target Forward PD 4 cm^2 (W/m^2)	Deviation (dB)
2024.12.30	10	21.5	177	198.6	183.00	0.36
2025.01.14	10	21.5	179	200.8	183.00	0.40
2025.01.20	10	21.5	181	203.1	183.00	0.45
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))						

System Performance Check Data (10GHz)

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Front, 10.00	10000.0Validation band, 10000	1.0

Hardware Setup

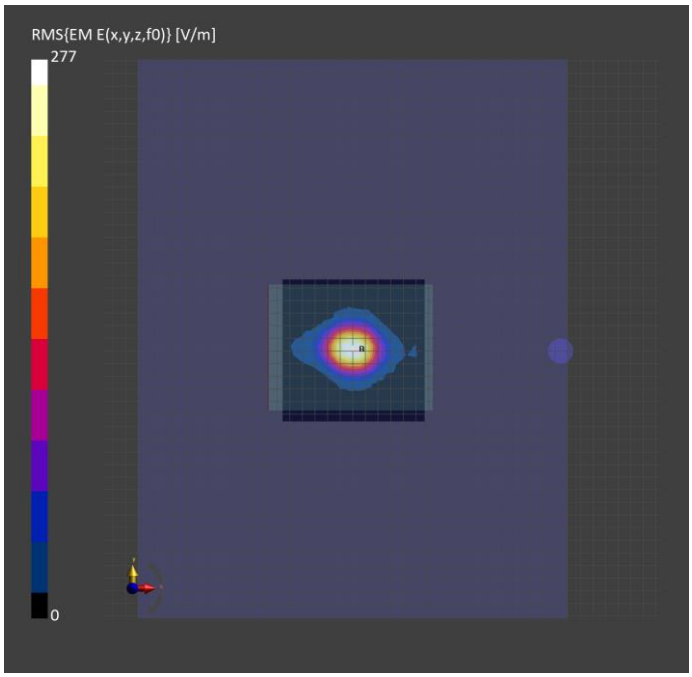
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1083	---Air	EUmmWV4 - SN9607_F1-55GHz, 2024-02-12	DAE4 Sn1711, 2024-03-18

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2024-12-30
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	174
psPDtot+ [W/m^2]	177
psPDmod+ [W/m^2]	180
E_{max} [V/m]	277
Power Drift [dB]	0.05



System Performance Check Data (10GHz)

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Front, 10.00	10000.0Validation band, 10000	1.0

Hardware Setup

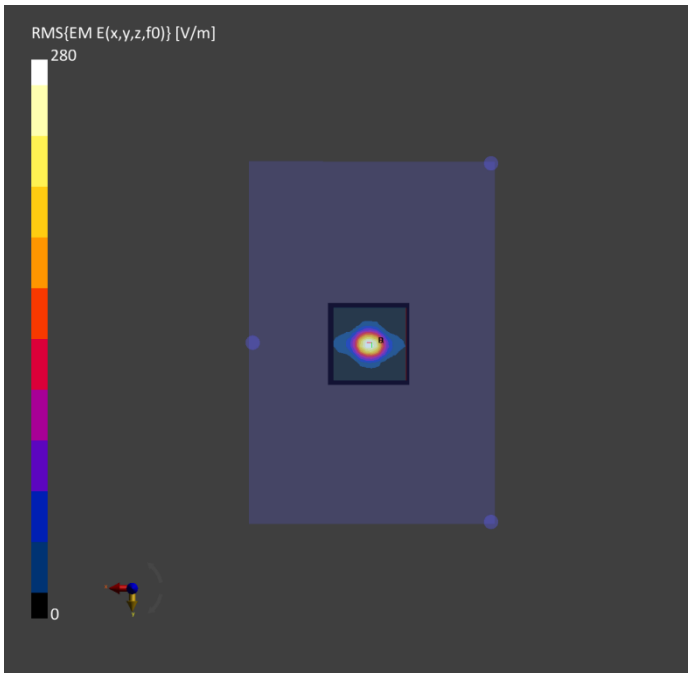
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1083	---Air	EUmmWV4 - SN9607_F1-55GHz, 2024-02-12	DAE4 Sn905, 2024-06-28

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2025-01-14
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	175
psPDtot+ [W/m^2]	179
psPDmod+ [W/m^2]	182
E_{max} [V/m]	285
Power Drift [dB]	-0.03



System Performance Check Data (10GHz)

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Front, 10.00	10000.0Validation band, 10000	1.0

Hardware Setup

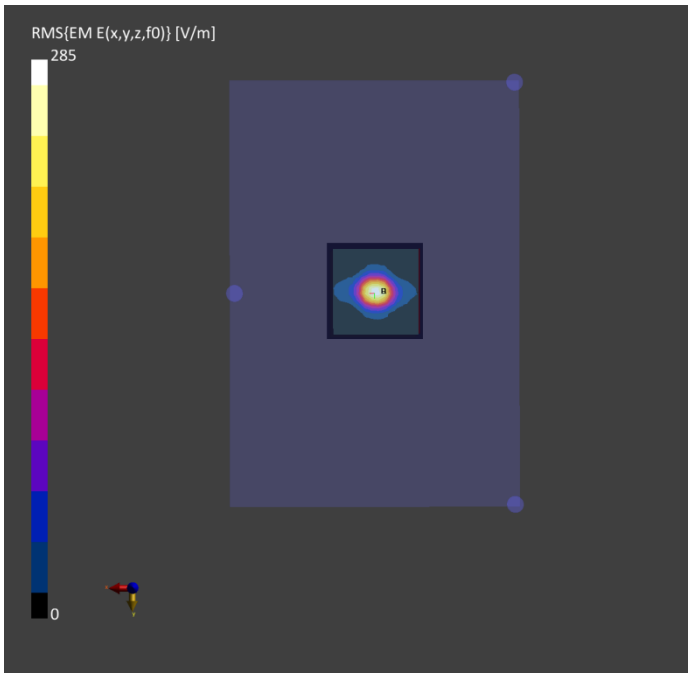
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1083	---Air	EUmmWV4 - SN9607_F1-55GHz, 2024-02-12	DAE4 Sn905, 2024-06-28

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2025-01-20
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	178
psPDtot+ [W/m^2]	181
psPDmod+ [W/m^2]	186
E_{max} [V/m]	277
Power Drift [dB]	-0.06



ANNEX B POWER DENDITY TEST DATA

Meas.1 Body Plane with Back Side 2mm on 47 Channel in IEEE 802.11ax160 mode with Antenna 8

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	BACK, 2.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

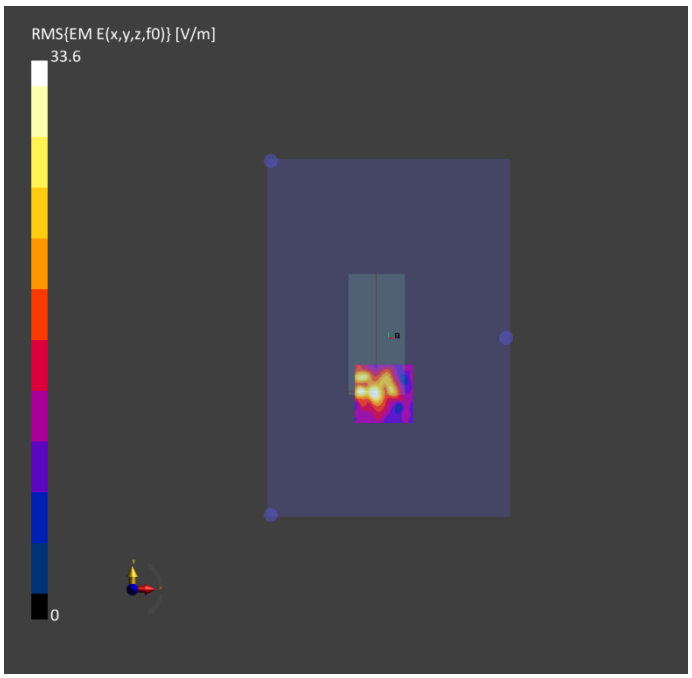
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1083	Air---	EUmmWV4 - SN9607_F1-55GHz, 2024-02-12	DAE4 Sn905, 2024-06-28

Scan Setup

	5G Scan
Grid Extents [mm]	80.0 x 80.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2025-01-20
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	1.01
psPDtot+ [W/m^2]	1.37
psPDmod+ [W/m^2]	1.63
E_{max} [V/m]	33.6
Power Drift [dB]	-0.09



ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ24B0764-AW.pdf”.

ANNEX D POWER DENSITY TEST SETUP PHOTOS

Please refer the document “BL-SZ24B0764-AS-2.pdf”.

ANNEX E POWER DENSITY CALIBRATION REPORT

Please refer the document “BL-SZ24B0764-AC-2.pdf”.

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