TEST REPORT

Applicant:	Elo Touch Solutions, Inc
Address:	670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.
Equipment Type:	Mobile Computer
Model Name:	EMC-M51C
Brand Name:	Elo
FCC ID:	RBWEMCM51C
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum PD:	7.31 W/m2
Sample Arrival Date:	Aug. 22, 2024
Test Date:	Aug. 26, 2024
Date of Issue:	Sep. 25, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xu Rui **Checked by:** Zong Liyao **Approved by:** Tolan Tu (Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Sep. 25, 2024	Initial Issue

TABLE OF CONTENTS

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	Elo Touch Solutions, Inc
Address	670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.

2.2 Manufacturer Information

Manufacturer	Elo Touch Solutions, Inc
Address	670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Computer
Model Name Under Test	EMC-M51C
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

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery 1	
	Brand Name	Elo
	Model No.	M51
	Capacitance	N/A
	Rated Voltage	Rated: 4500mAh/17.33Wh
	Limited Voltage	3.85 V
	Manufacturer	4.4 V

2.5 Technical Information

Network and Wireless connectivity	33G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/14/17/25/30/66/71 LTE TDD Band 38/41/42/43/48 5G Network SA: NR n2/n5/n12/n25/n30/n38/n41/n66/n71/n77/n78 NSA(EN-DC): DC_2A_n5A, DC_2A_n30A, DC_2A_n41A, DC_2A_n66A, DC_2A_n77A, DC_5A_n2A, DC_5A_n30A, DC_5A_n66A, DC_5A_n77A, DC_12A_n2A, DC_12A_n5A, DC_12A_n30A, DC_12A_n66A, DC_12A_n77A, DC_13A_n2A, DC_13A_n66A, DC_13A_n77A, DC_14A_n2A, DC_14A_n30A, DC_14A_n66A, DC_14A_n77A, DC_30A_n2A, DC_30A_n5A, DC_30A_n66A, DC_48A_n5A, DC_48A_n25A, DC_48A_n66A, DC_66A_n2A, DC_66A_n5A, DC_66A_n25A, DC_66A_n30A, DC_66A_n77A 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

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

Operating Mode	6G WIFI		
Frequency Range	802.11a /ax(HE20/HE40/ HE80/HE160)	5925 MHz ~ 6425 MHz	
		6425 MHz ~ 6525 MHz	
		6525 MHz ~ 6875 MHz	
		6875 MHz ~ 7125 MHz	
Antenna Type	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 C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
4	IEEE Std 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
5	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
6	KDB 865664 D02 v01r02	RF Exposure Reporting
7	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters
8	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
9	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)
10	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
11	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	Maximum Scaled PD (W/m^2)	Maximum Report PD (W/m^2)
		Body	Body
U-NII-5/6/7/8	6G WIFI	7.31	**7.31**
Limit (W/m^2)		10	
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.

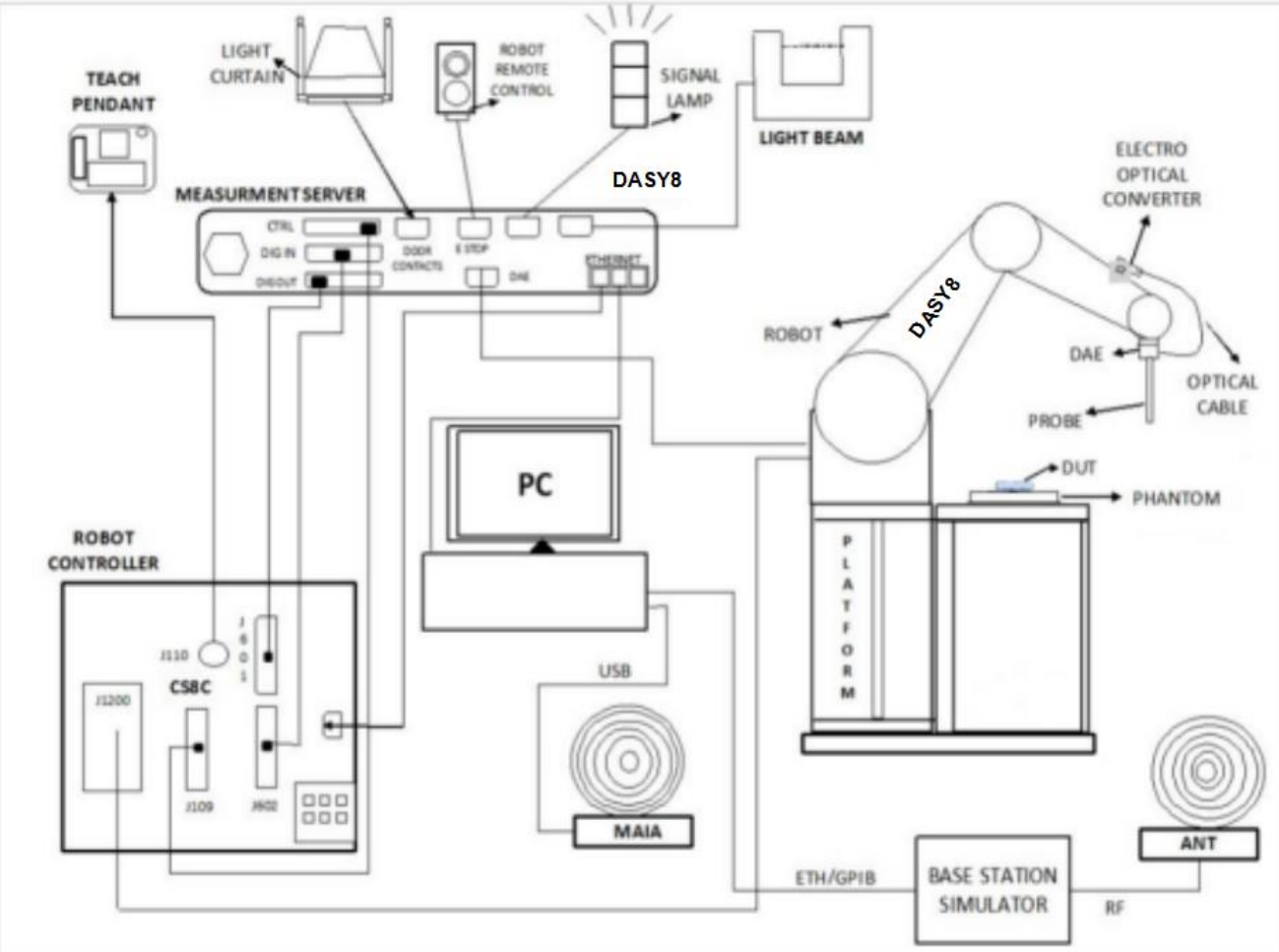
DASY8 Uncertainty Budget for PD (avg ≥1 cm2) Evaluation Distances to the Antennas ≥ λ/5 in Compliance with IEC/IEEE 63195							
Error Description		Unc. Value (±dB)	Probab. Distri.	Div.	(c_i)	Std. Unc. (±dB)	(vi) veff
Uncertainty terms dependent on the measurement system							
CAL	Calibration	0.49	N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



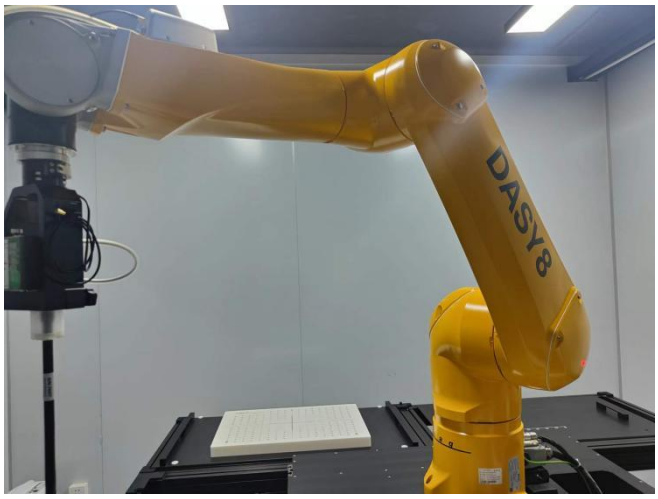
The DASY system for performing compliance tests consists of the following items:

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

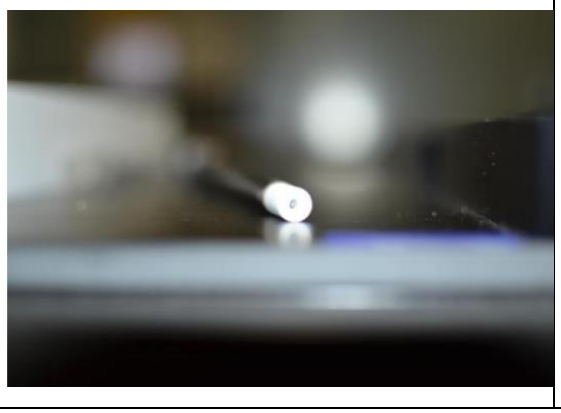
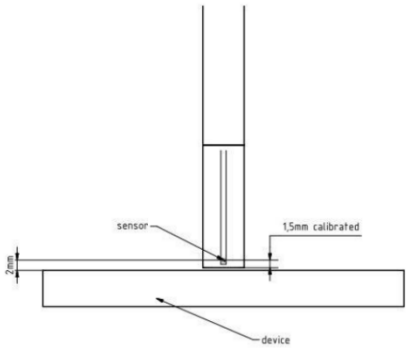
The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many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

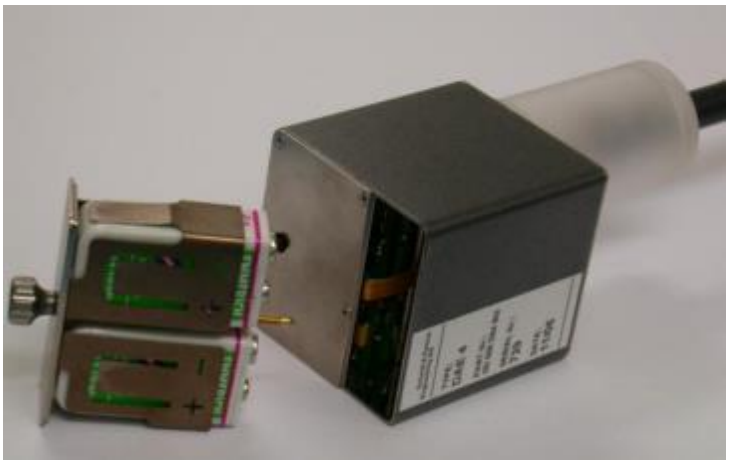
4.1.3 EUmmWave Probe / E-Field 5G Probe

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.

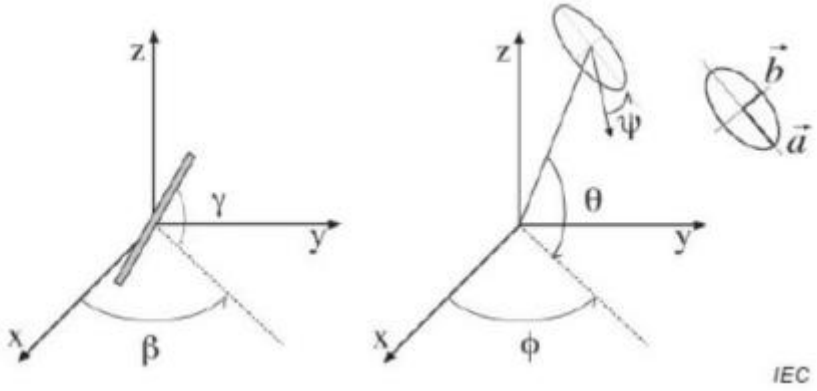


Illustration of the angles used for the numerical description of the sensor and the orientation of an ellipse in 3-D space

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: Incident Power Density Measurements with DASY8 Module mmWave

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-Ant.7-Table2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11ax-HE20 MCS0	1	5955	10.32	11.00	No
		45	6175	10.16	11.00	No
		93	6415	10.28	11.00	No
		97	6435	10.11	11.00	No
		105	6475	10.07	11.00	No
		113	6515	10.02	11.00	No
		117	6535	10.18	11.00	No
		149	6695	10.24	11.00	No
		181	6855	10.27	11.00	No
		185	6875	10.12	11.00	No
		189	6895	10.14	11.00	No
		209	6995	9.98	11.00	No
		233	7115	10.01	11.00	No
	802.11ax-HE40 MCS0	3	5965	12.58	13.00	No
		43	6205	12.34	13.00	No
		91	6405	12.46	13.00	No
		99	6445	12.33	13.00	No
		107	6485	12.41	13.00	No
		115	6525	12.28	13.00	No
		123	6565	12.24	13.00	No
		155	6685	12.32	13.00	No
		179	6845	12.43	13.00	No
		187	6885	12.44	13.00	No
		211	6925	12.35	13.00	No
		227	7085	12.54	13.00	No
	802.11ax-HE80 MCS0	7	5985	13.62	14.50	No
		55	6225	13.78	14.50	No
		87	6385	14.15	14.50	No
		103	6465	13.82	14.50	No
		119	6545	13.41	14.50	No
		135	6625	13.26	14.50	No
		151	6705	14.43	14.50	No
		167	6785	15.71	16.00	No
		183	6865	15.46	16.00	No
		199	6945	15.25	16.00	No

		215	7025	13.52	14.50	No
	802.11ax-HE160 MCS0	15	6025	13.84	14.50	Yes
		47	6185	14.12	14.50	Yes
		79	6345	14.54	14.50	Yes
		111	6505	13.76	14.50	Yes
		143	6665	13.52	14.50	Yes
		175	6825	**15.86**	16.00	Yes
		207	6985	14.84	15.00	Yes

7.1.2 6G WIFI-Ant.7-Table3&4&5&6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11ax-HE20 MCS0	1	5955	10.32	11.00	No
		45	6175	10.16	11.00	No
		93	6415	10.28	11.00	No
		97	6435	10.11	11.00	No
		105	6475	10.07	11.00	No
		113	6515	10.02	11.00	No
		117	6535	10.18	11.00	No
		149	6695	10.24	11.00	No
		181	6855	10.27	11.00	No
		185	6875	10.12	11.00	No
		189	6895	10.14	11.00	No
		209	6995	9.98	11.00	No
		233	7115	10.01	11.00	No
	802.11ax-HE40 MCS0	3	5965	11.40	12.00	No
		43	6205	11.38	12.00	No
		91	6405	11.66	12.00	No
		99	6445	11.41	12.00	No
		107	6485	11.33	12.00	No
		115	6525	11.26	12.00	No
		123	6565	11.38	12.00	No
		155	6685	11.47	12.00	No
		179	6845	11.47	12.00	No
		187	6885	11.30	12.00	No
		211	6925	11.27	12.00	No
		227	7085	11.74	12.00	No
	802.11ax-HE80 MCS0	7	5985	11.25	12.00	No
		55	6225	11.34	12.00	No
		87	6385	11.62	12.00	No
		103	6465	11.52	12.00	No
		119	6545	11.02	12.00	No
		135	6625	10.84	12.00	No
		151	6705	11.81	12.00	No
		167	6785	11.53	12.00	No
		183	6865	11.52	12.00	No
		199	6945	11.11	12.00	No
		215	7025	11.03	12.00	No
	802.11ax-HE160 MCS0	15	6025	11.35	12.00	Yes
		47	6185	11.06	12.00	Yes
		79	6345	11.36	12.00	Yes

		111	6505	10.26	12.00	Yes
		143	6665	10.13	12.00	Yes
		175	6825	11.28	12.00	Yes
		207	6985	**11.87**	12.00	Yes

7.1.3 6G WIFI-Ant.6-Table2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11ax-HE20 MCS0	1	5955	10.07	11.00	No
		45	6175	9.97	11.00	No
		93	6415	10.07	11.00	No
		97	6435	10.18	11.00	No
		105	6475	10.06	11.00	No
		113	6515	10.07	11.00	No
		117	6535	10.52	11.00	No
		149	6695	10.23	11.00	No
		181	6855	10.15	11.00	No
		185	6875	10.28	11.00	No
		189	6895	10.05	11.00	No
		209	6995	10.05	11.00	No
		233	7115	10.12	11.00	No
	802.11ax-HE40 MCS0	3	5965	12.53	13.00	No
		43	6205	12.35	13.00	No
		91	6405	12.45	13.00	No
		99	6445	12.25	13.00	No
		107	6485	12.44	13.00	No
		115	6525	12.19	13.00	No
		123	6565	12.48	13.00	No
		155	6685	12.34	13.00	No
		179	6845	12.68	13.00	No
		187	6885	12.92	13.00	No
		211	6925	12.51	13.00	No
		227	7085	13.03	13.00	No
	802.11ax-HE80 MCS0	7	5985	14.26	14.50	No
		55	6225	14.07	14.50	No
		87	6385	13.72	14.50	No
		103	6465	13.49	14.50	No
		119	6545	13.04	14.50	No
		135	6625	14.41	14.50	No
		151	6705	13.76	14.50	No
		167	6785	14.79	16.00	No
		183	6865	15.72	16.00	No
		199	6945	15.47	16.00	No
		215	7025	14.45	14.50	No
	802.11ax-HE160 MCS0	15	6025	14.00	14.50	Yes
		47	6185	13.62	14.50	Yes
		79	6345	13.75	14.50	Yes

		111	6505	12.83	14.50	Yes
		143	6665	14.33	14.50	Yes
		175	6825	**15.92**	16.00	Yes
		207	6985	14.94	15.00	Yes

7.1.4 6G WIFI-Ant.6-Table3&4&5&6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11ax-HE20 MCS0	1	5955	10.24	11.00	No
		45	6175	10.12	11.00	No
		93	6415	10.26	11.00	No
		97	6435	10.15	11.00	No
		105	6475	10.09	11.00	No
		113	6515	10.14	11.00	No
		117	6535	10.42	11.00	No
		149	6695	10.36	11.00	No
		181	6855	10.33	11.00	No
		185	6875	10.11	11.00	No
		189	6895	10.07	11.00	No
		209	6995	10.05	11.00	No
		233	7115	10.01	11.00	No
	802.11ax-HE40 MCS0	3	5965	10.25	11.00	No
		43	6205	10.39	11.00	No
		91	6405	10.61	11.00	No
		99	6445	10.38	11.00	No
		107	6485	10.46	11.00	No
		115	6525	10.10	11.00	No
		123	6565	11.38	12.00	No
		155	6685	11.47	12.00	No
		179	6845	11.47	12.00	No
		187	6885	11.30	12.00	No
		211	6925	11.27	12.00	No
		227	7085	11.74	12.00	No
	802.11ax-HE80 MCS0	7	5985	11.06	11.50	No
		55	6225	11.08	11.50	No
		87	6385	10.89	11.50	No
		103	6465	10.34	11.50	No
		119	6545	10.07	11.50	No
		135	6625	11.82	12.00	No
		151	6705	11.60	12.00	No
		167	6785	10.58	12.00	No
		183	6865	11.69	12.00	No
		199	6945	11.68	12.00	No
		215	7025	11.69	12.00	No
	802.11ax-HE160 MCS0	15	6025	11.11	12.00	Yes
		47	6185	11.37	12.00	Yes
		79	6345	11.35	12.00	Yes

		111	6505	11.23	12.00	Yes
		143	6665	11.03	12.00	Yes
		175	6825	11.96	12.00	Yes
		207	6985	**11.97**	12.00	Yes

7.1.5 6G WIFI-MIMO-Table2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11ax-HE20 MCS0	1	5955	10.24	11.00	No
		45	6175	10.12	11.00	No
		93	6415	10.26	11.00	No
		97	6435	10.15	11.00	No
		105	6475	10.09	11.00	No
		113	6515	10.14	11.00	No
		117	6535	10.42	11.00	No
		149	6695	10.36	11.00	No
		181	6855	10.33	11.00	No
		185	6875	10.11	11.00	No
		189	6895	10.07	11.00	No
		209	6995	10.05	11.00	No
		233	7115	10.02	11.00	No
	802.11ax-HE40 MCS0	3	5965	10.42	13.00	No
		43	6205	10.38	13.00	No
		91	6405	10.55	13.00	No
		99	6445	10.35	13.00	No
		107	6485	10.47	13.00	No
		115	6525	10.23	13.00	No
		123	6565	12.44	13.00	No
		155	6685	12.39	13.00	No
		179	6845	12.56	13.00	No
		187	6885	12.91	13.00	No
		211	6925	12.57	13.00	No
		227	7085	12.83	13.00	No
	802.11ax-HE80 MCS0	7	5985	14.28	14.50	No
		55	6225	13.97	14.50	No
		87	6385	13.88	14.50	No
		103	6465	13.49	14.50	No
		119	6545	13.16	14.50	No
		135	6625	14.57	14.50	No
		151	6705	13.76	14.50	No
		167	6785	14.66	16.00	No
		183	6865	15.73	16.00	No
		199	6945	15.66	16.00	No
		215	7025	15.89	14.50	No
	802.11ax-HE160 MCS0	15	6025	13.97	14.50	Yes
		47	6185	13.46	14.50	Yes
		79	6345	13.83	14.50	Yes

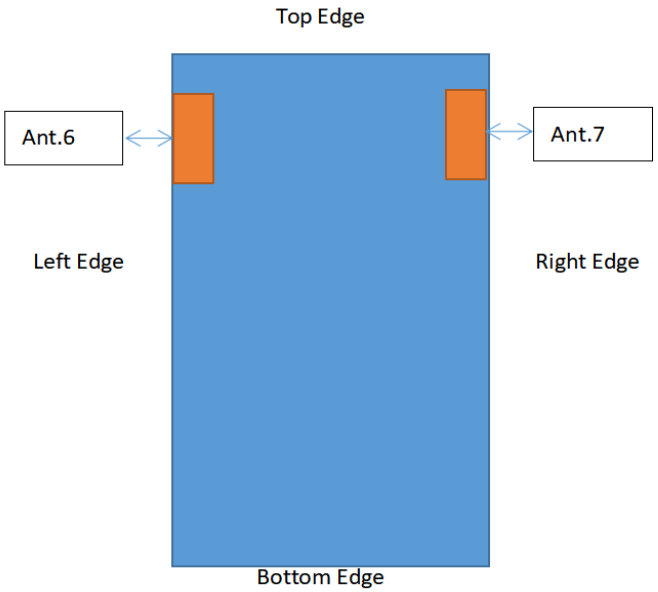
		111	6505	12.79	14.50	Yes
		143	6665	14.37	14.50	Yes
		175	6825	**15.11**	16.00	Yes
		207	6985	14.77	15.00	Yes

7.1.6 6G WIFI-MIMO-Table3&4&5&6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
6 (5.925~7.125)	802.11ax-HE20 MCS0	1	5955	10.24	11.00	No
		45	6175	10.12	11.00	No
		93	6415	10.26	11.00	No
		97	6435	10.15	11.00	No
		105	6475	10.09	11.00	No
		113	6515	10.14	11.00	No
		117	6535	10.42	11.00	No
		149	6695	10.36	11.00	No
		181	6855	10.33	11.00	No
		185	6875	10.11	11.00	No
		189	6895	10.07	11.00	No
		209	6995	10.05	11.00	No
		233	7115	10.02	11.00	No
	802.11ax-HE40 MCS0	3	5965	11.48	12.00	No
		43	6205	11.43	12.00	No
		91	6405	11.51	12.00	No
		99	6445	11.22	12.00	No
		107	6485	11.64	12.00	No
		115	6525	11.20	12.00	No
		123	6565	11.41	12.00	No
		155	6685	11.43	12.00	No
		179	6845	11.38	12.00	No
		187	6885	12.08	12.00	No
		211	6925	11.69	12.00	No
		227	7085	12.00	12.00	No
	802.11ax-HE80 MCS0	7	5985	11.64	12.00	No
		55	6225	11.61	12.00	No
		87	6385	11.34	12.00	No
		103	6465	10.93	12.00	No
		119	6545	10.46	12.00	No
		135	6625	11.89	12.00	No
		151	6705	11.40	12.00	No
		167	6785	10.76	12.00	No
		183	6865	11.61	12.00	No
		199	6945	11.56	12.00	No
		215	7025	11.73	12.00	No
	802.11ax-HE160 MCS0	15	6025	11.57	12.00	Yes
		47	6185	11.21	12.00	Yes
		79	6345	11.06	12.00	Yes

		111	6505	10.57	12.00	Yes
		143	6665	11.70	12.00	Yes
		175	6825	11.61	12.00	Yes
		207	6985	**11.77**	12.00	Yes

8 ANTENNA LOCATION



<Back View>

Antenna	Support Bands
Ant.6	6G WLAN
Ant.7	6G WLAN

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.

9.1.1 WIFI 6GHz SAR

Fre. Band	Mode	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)
Head														
6G	802.11 ax MCS0 HE160	Ant.7	Left Cheek	0	175	6825	0.11	0.021	15.86	16.00	1.033	99.58	1.004	0.022
			Left Tilt	0	175	6825	0.04	0.019	15.86	16.00	1.033	99.58	1.004	0.020
			Right Cheek	0	175	6825	-0.09	0.015	15.86	16.00	1.033	99.58	1.004	0.016
			Right Tilt	0	175	6825	-0.03	0.011	15.86	16.00	1.033	99.58	1.004	0.011
			Left Cheek	0	15	6025	0.04	0.018	13.84	14.50	1.164	99.58	1.004	0.021
				0	47	6185	-0.05	0.019	14.12	14.50	1.091	99.58	1.004	0.021
				0	79	6345	0.10	0.022	14.54	14.50	0.991	99.58	1.004	0.022
				0	111	6505	-0.01	0.021	13.76	14.50	1.186	99.58	1.004	0.025
				0	143	6665	-0.16	0.016	13.52	14.50	1.253	99.58	1.004	0.020
				0	207	6985	0.00	0.017	14.84	15.00	1.038	99.58	1.004	0.018
6G	802.11 ax MCS0 HE160	Ant.6	Left Cheek	0	175	6825	0.16	0.025	15.92	16.00	1.019	99.58	1.004	**0.026**
			Left Tilt	0	175	6825	0.06	0.016	15.92	16.00	1.019	99.58	1.004	0.016
			Right Cheek	0	175	6825	-0.17	0.012	15.92	16.00	1.019	99.58	1.004	0.012
			Right Tilt	0	175	6825	0.03	0.008	15.92	16.00	1.019	99.58	1.004	0.008
			Left Cheek	0	15	6025	0.18	0.018	14.00	14.50	1.122	99.58	1.004	0.020
				0	47	6185	0.02	0.011	13.62	14.50	1.225	99.58	1.004	0.014
				0	79	6345	0.00	0.016	13.75	14.50	1.189	99.58	1.004	0.019
				0	111	6505	0.00	0.013	12.83	14.50	1.469	99.58	1.004	0.019
				0	143	6665	0.00	0.009	14.33	14.50	1.040	99.58	1.004	0.009
				0	207	6985	-0.03	0.015	14.94	15.00	1.014	99.58	1.004	0.015
6G	802.11 ax MCS0 HE160	Ant.6&7	Left Cheek	0	175	6825	-0.09	0.020	15.11	16.00	1.227	99.58	1.004	0.025
			Left Tilt	0	175	6825	0.06	0.016	15.11	16.00	1.227	99.58	1.004	0.020
			Right Cheek	0	175	6825	0.03	0.011	15.11	16.00	1.227	99.58	1.004	0.014
			Right Tilt	0	175	6825	-0.17	0.005	15.11	16.00	1.227	99.58	1.004	0.006
			Left Cheek	0	15	6025	0.18	0.013	13.97	14.50	1.130	99.58	1.004	0.015
				0	47	6185	-0.06	0.011	13.46	14.50	1.271	99.58	1.004	0.014
				0	79	6345	-0.15	0.015	13.83	14.50	1.167	99.58	1.004	0.018
				0	111	6505	0.01	0.011	12.79	14.50	1.483	99.58	1.004	0.016
				0	143	6665	0.14	0.013	14.37	14.50	1.030	99.58	1.004	0.013
				0	207	6985	0.14	0.008	14.77	15.00	1.054	99.58	1.004	0.008
Body-worn														
6G	802.11 ax MCS0 HE160	Ant.7	Front Side	15	207	6985	0.11	0.033	11.87	12.00	1.030	99.58	1.004	0.034
			Back Side	15	207	6985	0.15	0.074	11.87	12.00	1.030	99.58	1.004	0.077
			Back Side	15	15	6025	0.10	0.098	11.35	12.00	1.161	99.58	1.004	0.114
				15	47	6185	-0.14	0.079	11.06	12.00	1.242	99.58	1.004	0.099

				15	79	6345	-0.07	0.039	11.36	12.00	1.159	99.58	1.004	0.045
				15	111	6505	-0.13	0.032	10.26	12.00	1.493	99.58	1.004	0.048
				15	143	6665	0.03	0.073	10.13	12.00	1.538	99.58	1.004	0.113
				15	175	6825	-0.12	0.056	11.28	12.00	1.180	99.58	1.004	0.066
6G	802.11 ax MCS0 HE160	Ant.6	Front Side	15	207	6985	0.00	0.041	11.97	12.00	1.007	99.58	1.004	0.041
			Back Side	15	207	6985	0.11	0.055	11.97	12.00	1.007	99.58	1.004	0.056
			Back Side	15	15	6025	0.16	0.124	11.11	12.00	1.227	99.58	1.004	0.153
				15	47	6185	-0.19	0.186	11.37	12.00	1.156	99.58	1.004	0.216
				15	79	6345	-0.14	0.198	11.35	12.00	1.161	99.58	1.004	**0.231**
				15	111	6505	-0.19	0.106	11.23	12.00	1.194	99.58	1.004	0.127
				15	143	6665	0.00	0.063	10.03	12.00	1.574	99.58	1.004	0.100
				15	175	6825	0.09	0.034	11.96	12.00	1.009	99.58	1.004	0.034
6G	802.11 ax MCS0 HE160	Ant.6&7	Front Side	15	207	6985	0.02	0.032	11.77	12.00	1.054	99.58	1.004	0.034
			Back Side	15	207	6985	0.06	0.065	11.77	12.00	1.054	99.58	1.004	0.069
			Back Side	15	15	6025	0.16	0.062	11.57	12.00	1.104	99.58	1.004	0.069
				15	47	6185	-0.03	0.086	11.21	12.00	1.199	99.58	1.004	0.104
				15	79	6345	0.03	0.092	11.06	12.00	1.242	99.58	1.004	0.115
				15	111	6505	-0.14	0.053	10.57	12.00	1.390	99.58	1.004	0.074
				15	143	6665	0.04	0.069	11.70	12.00	1.072	99.58	1.004	0.074
				15	175	6825	-0.19	0.042	11.61	12.00	1.094	99.58	1.004	0.046

Fre. Band	Mode	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	10g Scaled SAR (W/kg)
Specific														
6G	802.11 ax MCS0 HE160	Ant.7	Front Side	0	207	6985	0.11	0.032	11.87	12.00	1.030	99.58	1.004	0.033
			Back Side	0	207	6985	0.02	0.243	11.87	12.00	1.030	99.58	1.004	0.251
			Right Edge	0	207	6985	0.08	0.204	11.87	12.00	1.030	99.58	1.004	0.211
			Top Edge	0	207	6985	0.11	0.042	11.87	12.00	1.030	99.58	1.004	0.043
			Back Side	0	15	6025	-0.08	0.279	11.35	12.00	1.161	99.58	1.004	0.325
				0	47	6185	0.07	0.161	11.06	12.00	1.242	99.58	1.004	0.201
				0	79	6345	0.13	0.074	11.36	12.00	1.159	99.58	1.004	0.086
				0	111	6505	-0.11	0.054	10.26	12.00	1.493	99.58	1.004	0.081
				0	143	6665	-0.12	0.091	10.13	12.00	1.538	99.58	1.004	0.141
				0	175	6825	0.10	0.198	11.28	12.00	1.180	99.58	1.004	0.235
6G	802.11 ax MCS0 HE160	Ant.6	Front Side	0	207	6985	-0.03	0.010	11.97	12.00	1.007	99.58	1.004	0.010
			Back Side	0	207	6985	0.16	0.057	11.97	12.00	1.007	99.58	1.004	0.058
			Left Edge	0	207	6985	-0.07	0.020	11.97	12.00	1.007	99.58	1.004	0.020
			Top Edge	0	207	6985	-0.07	0.011	11.97	12.00	1.007	99.58	1.004	0.011
			Back Side	0	15	6025	-0.10	0.234	11.11	12.00	1.227	99.58	1.004	0.288
				0	47	6185	-0.03	0.494	11.37	12.00	1.156	99.58	1.004	**0.573**
				0	79	6345	-0.17	0.266	11.35	12.00	1.161	99.58	1.004	0.310

				0	111	6505	-0.13	0.138	11.23	12.00	1.194	99.58	1.004	0.165
				0	143	6665	-0.03	0.103	10.03	12.00	1.574	99.58	1.004	0.163
				0	175	6825	0.03	0.090	11.96	12.00	1.009	99.58	1.004	0.091
6G	802.11 ax MCS0 HE160	Ant.6&7	Front Side	0	207	6985	0.18	0.012	11.77	12.00	1.054	99.58	1.004	0.013
			Back Side	0	207	6985	0.19	0.107	11.77	12.00	1.054	99.58	1.004	0.113
			Left Edge	0	207	6985	0.16	0.009	11.77	12.00	1.054	99.58	1.004	0.010
			Right Edge	0	207	6985	-0.10	0.087	11.77	12.00	1.054	99.58	1.004	0.092
			Top Edge	0	207	6985	0.10	0.018	11.77	12.00	1.054	99.58	1.004	0.019
			Back Side	0	15	6025	0.17	0.134	11.57	12.00	1.104	99.58	1.004	0.149
				0	47	6185	0.10	0.142	11.21	12.00	1.199	99.58	1.004	0.171
				0	79	6345	0.15	0.098	11.06	12.00	1.242	99.58	1.004	0.122
				0	111	6505	-0.14	0.057	10.57	12.00	1.390	99.58	1.004	0.080
				0	143	6665	-0.15	0.045	11.70	12.00	1.072	99.58	1.004	0.048
				0	175	6825	0.18	0.094	11.61	12.00	1.094	99.58	1.004	0.103

9.1.2 WIFI 6GHz PD

Fre. Band	Mode	Antenna	Test State	Dist. (mm)	Grid Step(λ)	Ch.	Freq. (MHz)	IPDn	IPD ratio (≥-1)
6G	802.11 ax MCS0 HE160	Ant.7	Back Side	2	0.0625	15	6025	8.07	1.40
6G	802.11 ax MCS0 HE160	Ant.7	Back Side	9.96	0.0625	15	6025	5.85	

Fre. Band	Mode	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	Meas Total psPD [W/m2]	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	Meas. uncertainty Scaling Factor	Scaled Totalps PD [W/m2]	Meas. No.
Body																
6G	802.11 ax MCS0 HE160	Ant.7	Back Side	2	15	6025	0.06	4.06	11.35	12	1.161	99.58	1.004	1.545	**7.312**	1#
				2	47	6185	0.16	3.29	11.06	12	1.242	99.58	1.004	1.545	6.338	/
				2	111	6505	0.03	0.45	10.26	12	1.493	99.58	1.004	1.545	1.042	/
				2	175	6825	-0.03	1.40	11.28	12	1.180	99.58	1.004	1.545	2.563	/
				2	207	6985	0.09	2.54	11.87	12	1.030	99.58	1.004	1.545	4.058	/
6G	802.11 ax MCS0 HE160	Ant.6	Back Side	2	47	6185	-0.13	3.91	11.37	12	1.156	99.58	1.004	1.545	7.011	/
6G	802.11 ax MCS0 HE160	Ant.6&7	Back Side	2	47	6185	-0.03	2.21	11.21	12	1.199	99.58	1.004	1.545	4.110	/

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.

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	2025/6/19
EUmmW Probe	Speag	EUmmWV4	SN: 9607	2024/02/12	2025/02/12
Data Acquisition Electronicsr	Speag	DAE4	SN: 1711	2024/03/18	2025/03/18
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/24
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z4	100381	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z2	100211	2023/09/05	2024/09/05
Thermometer	Elitech	RC-4HC	EF7239002652	2023/11/17	2024/11/17
Power Amplifier	mini-circuits	ZVA-183W-S+	505102223	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)
2024.08.26	10	21.5	148	166.1	183	-0.42
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)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
5G Verification Source 10GHz, SPEAG	100.0 x 100.0 x 130.0	5G Verification Source 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

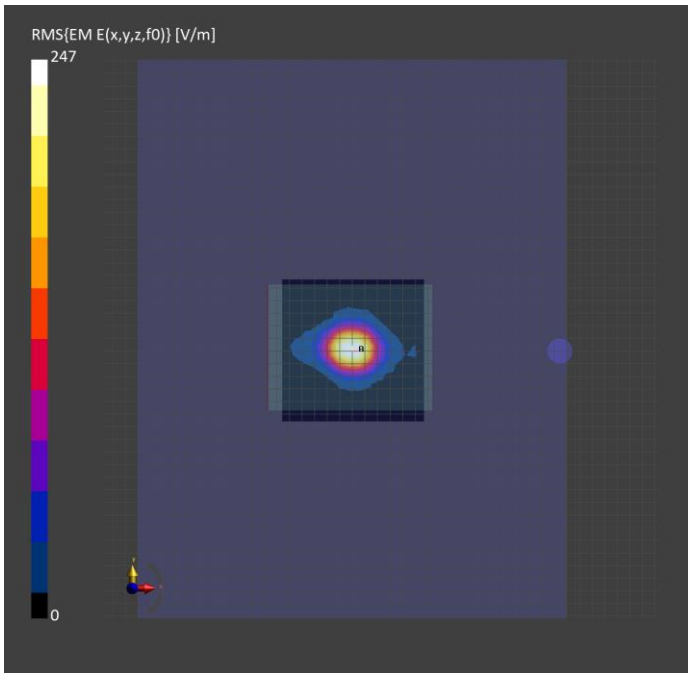
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1083	---Air	EUmmWV4 - SN9607_F1-55GHz, 2024-02-12	DAE4 Sn1711, 2024-03-18

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	2024-08-26
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	142
psPDtot+ [W/m^2]	148
psPDmod+ [W/m^2]	148
E_{max} [V/m]	244
Power Drift [dB]	0.00


RMS{EM E(x,y,z,f0)} [V/m]
247
0

ANNEX B POWER DENDITY TEST DATA

Meas.1 Body Plane with Back Side 0mm on 15 Channel in IEEE802.11ax160 mode with Antenna 7

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
MT912	160.0 x 78.0 x 15.0	Phone

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, 10743-AAC	6025.0, 15	1.0

Hardware Setup

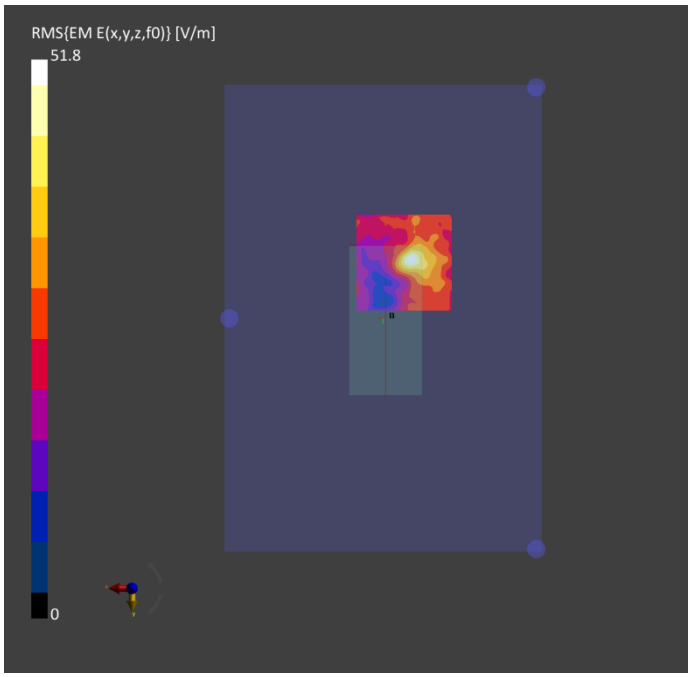
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1083	Air---	EUmmWV4 - SN9607_F1-55GHz, 2024-02-12	DAE4 Sn1711, 2024-03-18

Scan Setup

	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2024-08-26
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	3.90
psPDtot+ [W/m^2]	4.06
psPDmod+ [W/m^2]	4.25
E_{max} [V/m]	51.8
Power Drift [dB]	0.06


RMS{EM E(x,y,z,f0)} [V/m]
51.8
0

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2460232-AW.pdf”.

ANNEX D POWER DENSITY TEST SETUP PHOTOS

Please refer the document “BL-SH2460232-AS-3.pdf”.

ANNEX E POWER DENSITY CALIBRATION REPORT

Please refer the document “BL-SH2460232-AC-3.pdf”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the “inspection and testing dedicated stamp” or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--