



TEST REPORT

Applicant: unitech electronics co., ltd.
Address: 5F., No. 136, Ln. 235, Baoqiao Rd., Xindian Dist.,
New Taipei City 231028, Taiwan
Equipment Type: Rugged Handheld Computer
Model Name: PA768-0D6CRMPG
Brand Name: N/A
FCC ID: HLEPA768-0D6CRMPG
Test Standard: FCC 47 CFR Part 2.1093
(refer to section 3.1)
Maximum PD: 4.91 W/m²
Sample Arrival Date: Jul. 13, 2026
Test Date: Jul. 23, 2026 - Jul. 26, 2026
Date of Issue: Sep 16, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Xiong Lining**Checked by:** Xu Rui**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Sep. 16, 2026</u>	<u>Initial Issue</u>

TABLE OF CONTENTS

1	GENERAL INFORMATION.....	4
1.1	Test Laboratory	4
1.2	Test Location	4
1.3	Test Environment Condition.....	4
2	PRODUCT INFORMATION	5
2.1	Applicant Information	5
2.2	Manufacturer Information.....	5
2.3	General Description for Equipment under Test (EUT).....	5
2.4	Ancillary Equipment.....	5
2.5	Technical Information	6
2.6	Antenna Location.....	7
3	SUMMARY OF TEST RESULT	8
3.1	Test Standards	8
3.2	Device Category and SAR Limit	9
3.3	Test Result Summary	10
3.4	Test Uncertainty	11
4	MEASUREMENT SYSTEM	13
4.1	DASY Power Density System	13
5	SYSTEM VERIFICATION	18
5.1	Purpose of System Check	18
5.2	System Check Setup	18
6	POWER DENSITY MEASUREMENT PROCEDURE.....	19
6.1	Computation of the Electric Field Polarization Ellipse	19
6.2	Total Field and Power Flux Density Reconstruction	20

6.3	Power Flux Density Averaging	20
6.4	Measurement Workflow	20
7	CONDUCTED RF OUPUT POWER	21
8	TEST RESULT OF POWER DENSITY	22
8.1	WIFI 6GHz SAR	23
8.2	WIFI 6GHz PD.....	30
9	TEST EQUIPMENTS LIST	36
ANNEX A	SIMULATING LIQUID VERIFICATION RESULT	37
ANNEX B	POWER DENSITY TEST DATA	38
ANNEX C	EUT EXTERNAL PHOTOS.....	38
ANNEX D	SAR TEST SETUP PHOTOS	38
ANNEX E	CALIBRATION REPORT	38
ANNEX F	TUNE-UP PROCEDURE.....	38

1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☒ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

1.3 Test Environment Condition

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	unitech electronics co., ltd.
Address	5F., No. 136, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei City 231028, Taiwan

2.2 Manufacturer Information

Manufacturer	unitech electronics co., ltd.
Address	5F., No. 136, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei City 231028, Taiwan

2.3 General Description for Equipment under Test (EUT)

EUT Name	Rugged Handheld Computer
Model Name Under Test	PA768-0D6CRMPG
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V1.3
Software Version	FH09W_V01.34b01
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	1400-900069G
	Serial No.	N/A
	Capacitance	4950 mAh
	Rated Voltage	3.85 V
	Limited Voltage	4.4 V
	Manufacturer	LIFUN TECHNOLOGY CO., LTD.

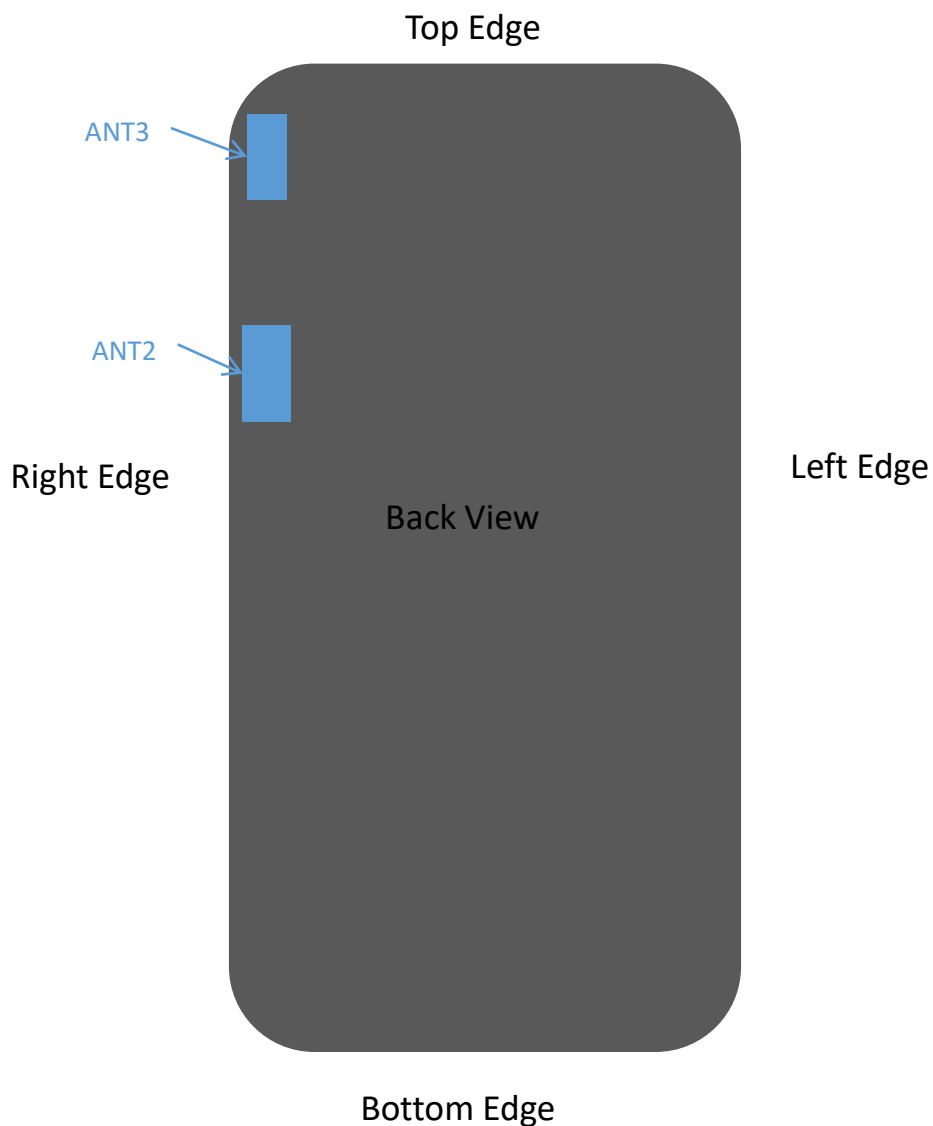
2.5 Technical Information

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

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

2.6 Antenna Location



Antenna	Support Bands
ANT 3	Bluetooth/WIFI 2.4G/WIFI 5G/WIFI 6E
ANT 2	Bluetooth/WIFI 2.4G/WIFI 5G/WIFI 6E

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 Std.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 ☆	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
5	KDB 865664 D02 v01r02 ☆	RF Exposure Reporting
6	KDB 248227 D01 v02r02 ☆	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters
7	KDB 616217 D04 v01r02 ☆	SAR for laptop and tablets
8	IEC/IEEE 62209-1528:2020	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)
9	IEC/IEEE 63195-1:2022	Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz)- Part 1: Measurement procedure
10	IEC TR 63170:2018	Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz

3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user.

Limit for General Population/Uncontrolled exposure should be applied for this device, it is power density for frequencies between 1.5GHz and 100 GHz is $1.0 \text{ mW/cm}^2 = 10 \text{ W/m}^2$

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
<i>f = frequency in MHz * = Plane-wave equivalent power density</i>				

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

Band	Maximum Scaled PD	Maximum Report PD
	(W/m ²)	(W/m ²)
	Body (2mm)	Body (2mm)
6G WIFI	4.91	4.91
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 reference table.

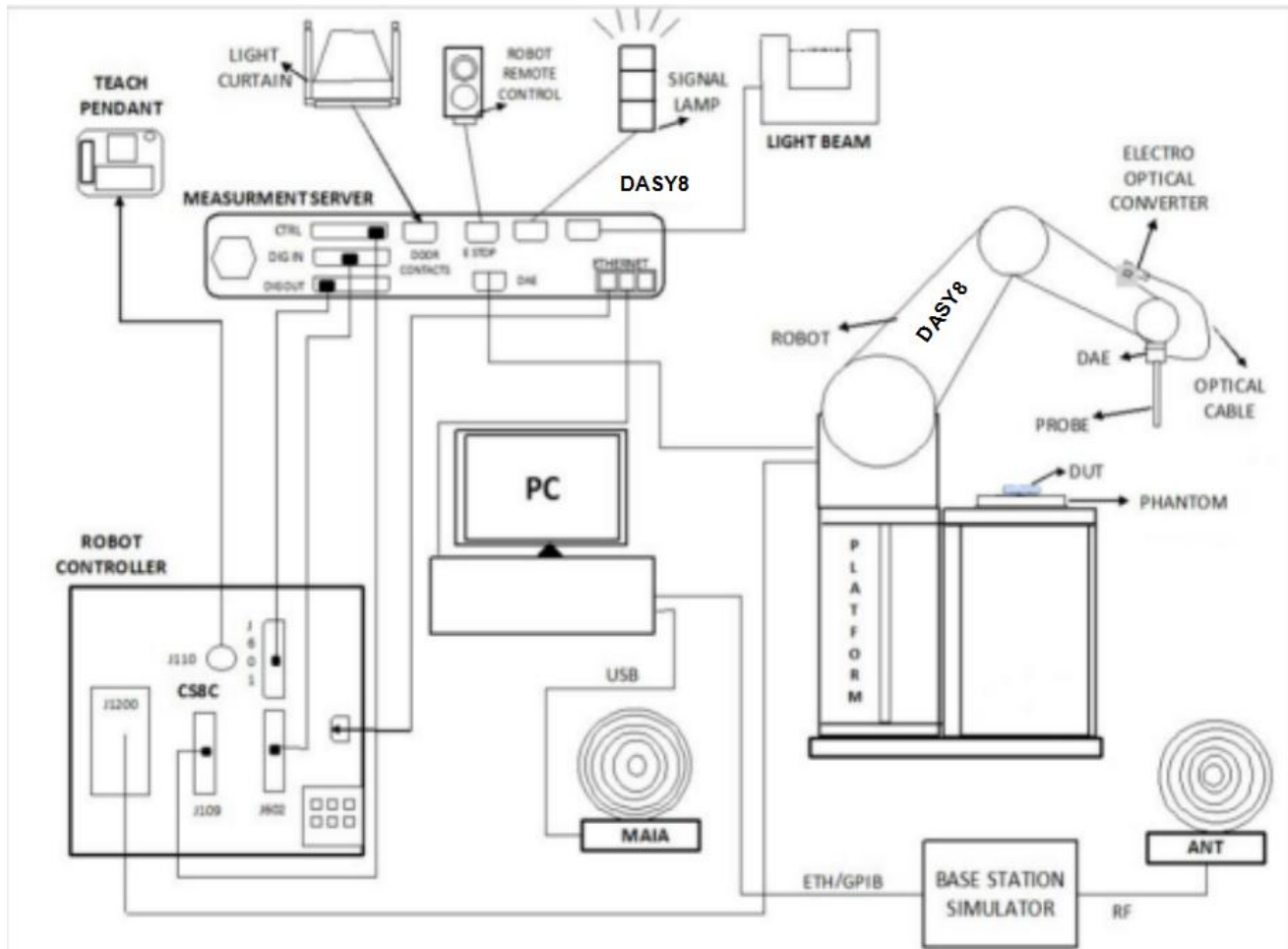
DASY8 Uncertainty Budget for PD (avg ≥1 cm2)							
Evaluation Distances to the Antennas ≥ λ/5							
in Compliance with IEC/IEEE 63195							
Error Description		Unc. Value (±dB)	Probab. Distri.	Div.	(ci)	Std. Unc. (±dB)	(vi) v _{eff}
Uncertainty terms dependent on the measurement system							
CAL	Calibration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

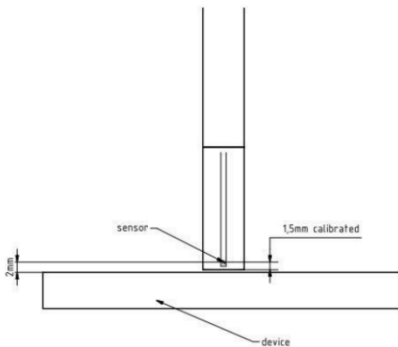
The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many 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 EUmWave Probe / E-Field 5G Probe

The EUmWave3 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
<div style="display: flex; align-items: center;">   </div>	

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: 200M Ohm
- The Inputs: Symmetrical and Floating
- Common 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.

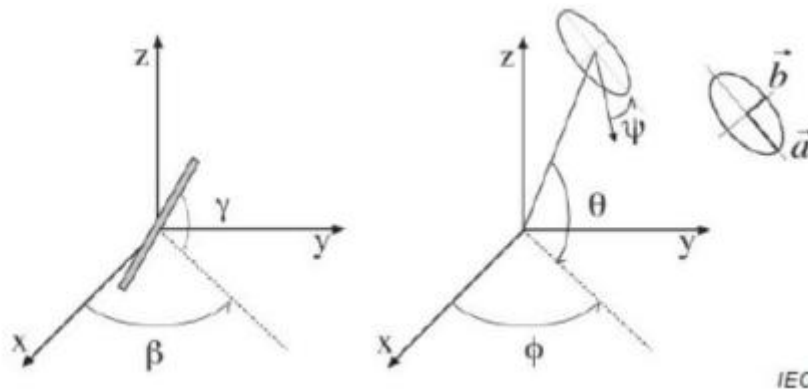


Illustration of the angles used for the numerical description of the sensor and the orientation of an ellipse in 3-D space

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 ($\gamma_1 = \gamma_2 + 90^\circ$), 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 Maxwell'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 $\lambda/5$ 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 filled with values; for points at the edge where the averaging circle is only partly filled with values, the average power density is set to zero. Two average power density values are computed.

6.4 Measurement Workflow

The incident power density must be measured for the test configuration producing the highest SAR value. The

measurement procedure is summarized below:

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

7 CONDUCTED RF OUPUT POWER

Please refer the document “Ti-EE26060694-AP-3.pdf”.

8 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 4cm² averaging area may now be considered.

8.1 WIFI 6GHz SAR

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

Band	Antenna	Mode	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 cycle Factor	1g Scaled SAR (W/kg)	Measu red APD4c m2 [W/m2]	Meas. uncert ainty Scaling Factor	Scaled APD [W/m2]
Head																	
WIFI 6E U- NII-5	ANT3	802.1 1ax16 0	Left Cheek	0	15	6025	-0.05	0.072	14.21	15.00	1.199	97.86	1.022	0.088	0.511	1.028	0.644
WIFI 6E U- NII-5	ANT3	802.1 1ax16 0	Left Tilt	0	15	6025	0.01	0.076	14.21	15.00	1.199	97.86	1.022	0.093	0.551	1.028	0.694
WIFI 6E U- NII-5	ANT3	802.1 1ax16 0	Right Cheek	0	15	6025	-0.02	0.053	14.21	15.00	1.199	97.86	1.022	0.065	0.381	1.028	0.480
WIFI 6E U- NII-5	ANT3	802.1 1ax16 0	Right Tilt	0	15	6025	-0.17	0.064	14.21	15.00	1.199	97.86	1.022	0.078	0.452	1.028	0.569
WIFI 6E U- NII-5	ANT3	802.1 1ax16 0	Left Tilt	0	47	6185	-0.05	0.069	13.28	14.00	1.180	97.86	1.022	0.083	0.499	1.028	0.619
WIFI 6E U- NII-5	ANT3	802.1 1ax16 0	Left Tilt	0	79	6345	0.03	0.065	12.91	13.00	1.021	97.86	1.022	0.068	0.415	1.028	0.445
WIFI 6E U- NII-5	ANT2	802.1 1ax16 0	Left Cheek	0	79	6345	-0.02	0.068	11.09	12.00	1.233	97.86	1.022	0.086	0.512	1.028	0.663
WIFI 6E U- NII-5	ANT2	802.1 1ax16 0	Left Tilt	0	79	6345	0.05	0.058	11.09	12.00	1.233	97.86	1.022	0.073	0.417	1.028	0.540
WIFI 6E U- NII-5	ANT2	802.1 1ax16 0	Right Cheek	0	79	6345	-0.07	0.056	11.09	12.00	1.233	97.86	1.022	0.071	0.411	1.028	0.532
WIFI 6E U- NII-5	ANT2	802.1 1ax16 0	Right Tilt	0	79	6345	0.02	0.047	11.09	12.00	1.233	97.86	1.022	0.059	0.328	1.028	0.425
WIFI 6E U- NII-5	ANT2	802.1 1ax16 0	Left Cheek	0	15	6025	-0.09	0.060	8.64	9.00	1.086	97.86	1.022	0.067	0.366	1.028	0.418

WIFI 6E U- NII-5	ANT2	802.1 1ax16 0	Left Cheek	0	47	6185	-0.16	0.064	9.46	10.00	1.132	97.86	1.022	0.074	0.412	1.028	0.490
WIFI 6E U- NII-6	ANT3	802.1 1ax16 0	Left Cheek	0	111	6505	-0.07	0.088	16.57	17.00	1.104	97.86	1.022	0.099	0.511	1.028	0.593
WIFI 6E U- NII-6	ANT3	802.1 1ax16 0	Left Tilt	0	111	6505	0.11	0.093	16.57	17.00	1.104	97.86	1.022	0.105	0.579	1.028	0.672
WIFI 6E U- NII-6	ANT3	802.1 1ax16 0	Right Cheek	0	111	6505	0.10	0.083	16.57	17.00	1.104	97.86	1.022	0.094	0.510	1.028	0.592
WIFI 6E U- NII-6	ANT3	802.1 1ax16 0	Right Tilt	0	111	6505	0.04	0.082	16.57	17.00	1.104	97.86	1.022	0.093	0.519	1.028	0.602
WIFI 6E U- NII-6	ANT2	802.1 1ax16 0	Left Cheek	0	111	6505	0.01	0.078	14.57	15.50	1.239	97.86	1.022	0.099	0.429	1.028	0.558
WIFI 6E U- NII-6	ANT2	802.1 1ax16 0	Left Tilt	0	111	6505	-0.04	0.075	14.57	15.50	1.239	97.86	1.022	0.095	0.418	1.028	0.544
WIFI 6E U- NII-6	ANT2	802.1 1ax16 0	Right Cheek	0	111	6505	0.08	0.069	14.57	15.50	1.239	97.86	1.022	0.087	0.422	1.028	0.549
WIFI 6E U- NII-6	ANT2	802.1 1ax16 0	Right Tilt	0	111	6505	0.17	0.070	14.57	15.50	1.239	97.86	1.022	0.089	0.385	1.028	0.501
WIFI 6E U- NII-7	ANT3	802.1 1ax80	Left Cheek	0	135	6625	-0.09	0.028	16.27	17.00	1.183	96.42	1.037	0.034	0.115	1.028	0.145
WIFI 6E U- NII-7	ANT3	802.1 1ax80	Left Tilt	0	135	6625	-0.11	0.020	16.27	17.00	1.183	96.42	1.037	0.025	0.082	1.028	0.103
WIFI 6E U- NII-7	ANT3	802.1 1ax80	Right Cheek	0	135	6625	0.02	0.015	16.27	17.00	1.183	96.42	1.037	0.018	0.071	1.028	0.090
WIFI 6E U- NII-7	ANT3	802.1 1ax80	Right Tilt	0	135	6625	0.02	0.014	16.27	17.00	1.183	96.42	1.037	0.017	0.069	1.028	0.087
WIFI 6E U- NII-7	ANT3	802.1 1ax80	Left Cheek	0	151	6705	0.06	0.033	15.57	16.00	1.104	96.42	1.037	0.038	0.148	1.028	0.174

WIFI 6E U- NII-7	ANT3	802.1 1ax80	Left Cheek	0	167	6785	0.16	0.029	13.90	14.00	1.023	96.42	1.037	0.031	0.100	1.028	0.109
WIFI 6E U- NII-7	ANT2	802.1 1ax80	Left Cheek	0	135	6625	0.11	0.012	14.35	14.50	1.035	96.42	1.037	0.013	0.051	1.028	0.056
WIFI 6E U- NII-7	ANT2	802.1 1ax80	Left Tilt	0	135	6625	0.11	0.010	14.35	14.50	1.035	96.42	1.037	0.011	0.044	1.028	0.049
WIFI 6E U- NII-7	ANT2	802.1 1ax80	Right Cheek	0	135	6625	0.10	0.010	14.35	14.50	1.035	96.42	1.037	0.011	0.041	1.028	0.045
WIFI 6E U- NII-7	ANT2	802.1 1ax80	Right Tilt	0	135	6625	-0.12	0.012	14.35	14.50	1.035	96.42	1.037	0.013	0.051	1.028	0.056
WIFI 6E U- NII-7	ANT2	802.1 1ax80	Right Tilt	0	151	6705	-0.02	0.015	9.89	10.00	1.026	96.42	1.037	0.016	0.053	1.028	0.058
WIFI 6E U- NII-7	ANT2	802.1 1ax80	Right Tilt	0	167	6785	0.09	0.011	11.84	12.00	1.038	96.42	1.037	0.012	0.042	1.028	0.046
WIFI 6E U- NII-8	ANT3	802.1 1ax80	Left Cheek	0	199	6945	-0.02	0.064	12.88	13.00	1.028	96.42	1.037	0.068	0.419	1.028	0.459
WIFI 6E U- NII-8	ANT3	802.1 1ax80	Left Tilt	0	199	6945	-0.10	0.062	12.88	13.00	1.028	96.42	1.037	0.066	0.388	1.028	0.425
WIFI 6E U- NII-8	ANT3	802.1 1ax80	Right Cheek	0	199	6945	-0.08	0.021	12.88	13.00	1.028	96.42	1.037	0.022	0.138	1.028	0.151
WIFI 6E U- NII-8	ANT3	802.1 1ax80	Right Tilt	0	199	6945	-0.09	0.028	12.88	13.00	1.028	96.42	1.037	0.030	0.175	1.028	0.192
WIFI 6E U- NII-8	ANT3	802.1 1ax80	Left Tilt	0	183	6865	-0.05	0.078	12.40	13.00	1.148	96.42	1.037	0.093	0.562	1.028	0.688
WIFI 6E U- NII-8	ANT3	802.1 1ax80	Left Tilt	0	215	7025	0.10	0.065	12.41	13.00	1.146	96.42	1.037	0.077	0.482	1.028	0.589
WIFI 6E U- NII-8	ANT2	802.1 1ax80	Left Cheek	0	183	6865	-0.14	0.027	11.09	12.00	1.233	96.42	1.037	0.035	0.211	1.028	0.277

WIFI 6E U- NII-8	ANT2	802.1 1ax80	Left Tilt	0	183	6865	-0.09	0.027	11.09	12.00	1.233	96.42	1.037	0.035	0.218	1.028	0.287
WIFI 6E U- NII-8	ANT2	802.1 1ax80	Right Cheek	0	183	6865	-0.05	0.038	11.09	12.00	1.233	96.42	1.037	0.049	0.254	1.028	0.334
WIFI 6E U- NII-8	ANT2	802.1 1ax80	Right Tilt	0	183	6865	0.19	0.031	11.09	12.00	1.233	96.42	1.037	0.040	0.223	1.028	0.293
WIFI 6E U- NII-8	ANT2	802.1 1ax80	Right Cheek	0	199	6945	-0.04	0.031	10.44	11.00	1.138	96.42	1.037	0.037	0.211	1.028	0.256
WIFI 6E U- NII-8	ANT2	802.1 1ax80	Right Cheek	0	215	7025	-0.19	0.039	9.57	10.00	1.104	96.42	1.037	0.045	0.233	1.028	0.274

Band	Antenna	Mode	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 cycle Factor	1g Scaled SAR (W/kg)	Measured APD4cm2 [W/m2]	Meas. uncertainty Scaling Factor	Scaled APD [W/m2]
Body																	
WIFI 6E U-NII-5	ANT3	802.11ax160	Front Side	5	15	6025	-0.16	0.018	14.21	15.00	1.199	97.86	1.022	0.022	0.133	1.028	0.168
WIFI 6E U-NII-5	ANT3	802.11ax160	Back Side	5	15	6025	0.00	0.030	14.21	15.00	1.199	97.86	1.022	0.037	0.211	1.028	0.266
WIFI 6E U-NII-5	ANT3	802.11ax160	Left Edge	5	15	6025	0.03	0.012	14.21	15.00	1.199	97.86	1.022	0.015	0.085	1.028	0.107
WIFI 6E U-NII-5	ANT3	802.11ax160	Right Edge	5	15	6025	0.01	0.036	14.21	15.00	1.199	97.86	1.022	0.044	0.249	1.028	0.314
WIFI 6E U-NII-5	ANT3	802.11ax160	Top Edge	5	15	6025	0.17	0.022	14.21	15.00	1.199	97.86	1.022	0.027	0.179	1.028	0.225
WIFI 6E U-NII-5	ANT3	802.11ax160	Bottom Edge	5	15	6025	-0.02	0.015	14.21	15.00	1.199	97.86	1.022	0.018	0.062	1.028	0.078
WIFI 6E U-NII-5	ANT3	802.11ax160	Right Edge	5	47	6185	0.13	0.034	13.28	14.00	1.180	97.86	1.022	0.041	0.235	1.028	0.291
WIFI 6E U-NII-5	ANT3	802.11ax160	Right Edge	5	79	6345	0.16	0.039	12.91	13.00	1.021	97.86	1.022	0.041	0.242	1.028	0.260
WIFI 6E U-NII-5	ANT2	802.11ax160	Front Side	5	79	6345	0.09	0.028	11.09	12.00	1.233	97.86	1.022	0.035	0.173	1.028	0.224
WIFI 6E U-NII-5	ANT2	802.11ax160	Back Side	5	79	6345	0.09	0.033	11.09	12.00	1.233	97.86	1.022	0.042	0.213	1.028	0.276
WIFI 6E U-NII-5	ANT2	802.11ax160	Left Edge	5	79	6345	0.08	0.011	11.09	12.00	1.233	97.86	1.022	0.014	0.051	1.028	0.066
WIFI 6E U-NII-5	ANT2	802.11ax160	Right Edge	5	79	6345	-0.02	0.029	11.09	12.00	1.233	97.86	1.022	0.037	0.185	1.028	0.240
WIFI 6E U-NII-5	ANT2	802.11ax160	Top Edge	5	79	6345	0.15	0.032	11.09	12.00	1.233	97.86	1.022	0.040	0.173	1.028	0.224
WIFI 6E U-NII-5	ANT2	802.11ax160	Bottom Edge	5	79	6345	-0.12	0.013	11.09	12.00	1.233	97.86	1.022	0.016	0.047	1.028	0.061
WIFI 6E U-NII-5	ANT2	802.11ax160	Front Side	5	15	6025	0.00	0.029	8.64	9.00	1.086	97.86	1.022	0.032	0.165	1.028	0.188
WIFI 6E U-NII-5	ANT2	802.11ax160	Front Side	5	47	6185	0.01	0.035	9.46	10.00	1.132	97.86	1.022	0.040	0.199	1.028	0.237
WIFI 6E U-NII-6	ANT3	802.11ax160	Front Side	5	111	6505	-0.08	0.049	16.57	17.00	1.104	97.86	1.022	0.055	0.385	1.028	0.447
WIFI 6E U-NII-6	ANT3	802.11ax160	Back Side	5	111	6505	0.07	0.231	16.57	17.00	1.104	97.86	1.022	0.261	1.870	1.028	2.169

WIFI 6E U-NII-6	ANT3	802.11ax160	Left Edge	5	111	6505	-0.07	0.013	16.57	17.00	1.104	97.86	1.022	0.015	0.068	1.028	0.079
WIFI 6E U-NII-6	ANT3	802.11ax160	Right Edge	5	111	6505	0.13	0.137	16.57	17.00	1.104	97.86	1.022	0.155	1.090	1.028	1.264
WIFI 6E U-NII-6	ANT3	802.11ax160	Top Edge	5	111	6505	-0.14	0.090	16.57	17.00	1.104	97.86	1.022	0.102	0.715	1.028	0.829
WIFI 6E U-NII-6	ANT3	802.11ax160	Bottom Edge	5	111	6505	-0.11	0.012	16.57	17.00	1.104	97.86	1.022	0.014	0.051	1.028	0.059
WIFI 6E U-NII-6	ANT2	802.11ax160	Front Side	5	111	6505	0.12	0.025	14.57	15.50	1.239	97.86	1.022	0.032	0.216	1.028	0.281
WIFI 6E U-NII-6	ANT2	802.11ax160	Back Side	5	111	6505	0.06	0.031	14.57	15.50	1.239	97.86	1.022	0.039	0.255	1.028	0.332
WIFI 6E U-NII-6	ANT2	802.11ax160	Left Edge	5	111	6505	-0.19	0.010	14.57	15.50	1.239	97.86	1.022	0.013	0.042	1.028	0.055
WIFI 6E U-NII-6	ANT2	802.11ax160	Right Edge	5	111	6505	-0.17	0.026	14.57	15.50	1.239	97.86	1.022	0.033	0.228	1.028	0.297
WIFI 6E U-NII-6	ANT2	802.11ax160	Top Edge	5	111	6505	0.01	0.023	14.57	15.50	1.239	97.86	1.022	0.029	0.206	1.028	0.268
WIFI 6E U-NII-6	ANT2	802.11ax160	Bottom Edge	5	111	6505	0.17	0.015	14.57	15.50	1.239	97.86	1.022	0.019	0.063	1.028	0.082
WIFI 6E U-NII-7	ANT3	802.11ax80	Front Side	5	135	6625	0.10	0.084	16.27	17.00	1.183	96.42	1.037	0.103	0.693	1.028	0.874
WIFI 6E U-NII-7	ANT3	802.11ax80	Back Side	5	135	6625	0.07	0.426	16.27	17.00	1.183	96.42	1.037	0.523	3.480	1.028	4.389
WIFI 6E U-NII-7	ANT3	802.11ax80	Left Edge	5	135	6625	-0.17	0.017	16.27	17.00	1.183	96.42	1.037	0.021	0.073	1.028	0.092
WIFI 6E U-NII-7	ANT3	802.11ax80	Right Edge	5	135	6625	-0.03	0.208	16.27	17.00	1.183	96.42	1.037	0.255	1.700	1.028	2.144
WIFI 6E U-NII-7	ANT3	802.11ax80	Top Edge	5	135	6625	-0.02	0.256	16.27	17.00	1.183	96.42	1.037	0.314	2.050	1.028	2.585
WIFI 6E U-NII-7	ANT3	802.11ax80	Bottom Edge	5	135	6625	-0.12	0.015	16.27	17.00	1.183	96.42	1.037	0.018	0.081	1.028	0.102
WIFI 6E U-NII-7	ANT3	802.11ax80	Back Side	5	151	6705	0.17	0.332	15.57	16.00	1.104	96.42	1.037	0.380	2.510	1.028	2.954
WIFI 6E U-NII-7	ANT3	802.11ax80	Back Side	5	167	6785	-0.10	0.141	13.90	14.00	1.023	96.42	1.037	0.150	1.110	1.028	1.211
WIFI 6E U-NII-7	ANT2	802.11ax80	Front Side	5	135	6625	-0.09	0.012	14.35	14.50	1.035	96.42	1.037	0.013	0.092	1.028	0.102
WIFI 6E U-NII-7	ANT2	802.11ax80	Back Side	5	135	6625	0.13	0.018	14.35	14.50	1.035	96.42	1.037	0.019	0.100	1.028	0.110
WIFI 6E U-NII-7	ANT2	802.11ax80	Left Edge	5	135	6625	0.05	0.008	14.35	14.50	1.035	96.42	1.037	0.009	0.039	1.028	0.043
WIFI 6E U-NII-7	ANT2	802.11ax80	Right Edge	5	135	6625	-0.05	0.016	14.35	14.50	1.035	96.42	1.037	0.017	0.071	1.028	0.078

WIFI 6E U-NII-7	ANT2	802.11ax80	Top Edge	5	135	6625	0.17	0.017	14.35	14.50	1.035	96.42	1.037	0.018	0.083	1.028	0.092
WIFI 6E U-NII-7	ANT2	802.11ax80	Bottom Edge	5	135	6625	-0.11	0.005	14.35	14.50	1.035	96.42	1.037	0.005	0.032	1.028	0.035
WIFI 6E U-NII-7	ANT2	802.11ax80	Back Side	5	151	6705	0.00	0.017	9.89	10.00	1.026	96.42	1.037	0.018	0.085	1.028	0.093
WIFI 6E U-NII-7	ANT2	802.11ax80	Back Side	5	167	6785	0.09	0.015	11.84	12.00	1.038	96.42	1.037	0.016	0.081	1.028	0.090
WIFI 6E U-NII-8	ANT3	802.11ax80	Front Side	5	199	6945	0.08	0.030	12.88	13.00	1.028	96.42	1.037	0.032	0.182	1.028	0.199
WIFI 6E U-NII-8	ANT3	802.11ax80	Back Side	5	199	6945	-0.13	0.032	12.88	13.00	1.028	96.42	1.037	0.034	0.185	1.028	0.203
WIFI 6E U-NII-8	ANT3	802.11ax80	Left Edge	5	199	6945	-0.11	0.017	12.88	13.00	1.028	96.42	1.037	0.018	0.037	1.028	0.041
WIFI 6E U-NII-8	ANT3	802.11ax80	Right Edge	5	199	6945	0.11	0.017	12.88	13.00	1.028	96.42	1.037	0.018	0.096	1.028	0.105
WIFI 6E U-NII-8	ANT3	802.11ax80	Top Edge	5	199	6945	0.05	0.023	12.88	13.00	1.028	96.42	1.037	0.025	0.166	1.028	0.182
WIFI 6E U-NII-8	ANT3	802.11ax80	Bottom Edge	5	199	6945	-0.05	0.013	12.88	13.00	1.028	96.42	1.037	0.014	0.018	1.028	0.020
WIFI 6E U-NII-8	ANT3	802.11ax80	Back Side	5	183	6865	0.14	0.025	12.40	13.00	1.148	96.42	1.037	0.030	0.164	1.028	0.201
WIFI 6E U-NII-8	ANT3	802.11ax80	Back Side	5	215	7025	-0.07	0.026	12.41	13.00	1.146	96.42	1.037	0.031	0.158	1.028	0.193
WIFI 6E U-NII-8	ANT2	802.11ax80	Front Side	5	183	6865	0.10	0.025	11.09	12.00	1.233	96.42	1.037	0.032	0.178	1.028	0.234
WIFI 6E U-NII-8	ANT2	802.11ax80	Back Side	5	183	6865	0.05	0.037	11.09	12.00	1.233	96.42	1.037	0.047	0.228	1.028	0.300
WIFI 6E U-NII-8	ANT2	802.11ax80	Left Edge	5	183	6865	-0.06	0.011	11.09	12.00	1.233	96.42	1.037	0.014	0.053	1.028	0.070
WIFI 6E U-NII-8	ANT2	802.11ax80	Right Edge	5	183	6865	0.04	0.042	11.09	12.00	1.233	96.42	1.037	0.054	0.295	1.028	0.388
WIFI 6E U-NII-8	ANT2	802.11ax80	Top Edge	5	183	6865	0.14	0.021	11.09	12.00	1.233	96.42	1.037	0.027	0.129	1.028	0.170
WIFI 6E U-NII-8	ANT2	802.11ax80	Bottom Edge	5	183	6865	0.11	0.010	11.09	12.00	1.233	96.42	1.037	0.013	0.064	1.028	0.084
WIFI 6E U-NII-8	ANT2	802.11ax80	Right Edge	5	199	6945	-0.13	0.027	10.44	11.00	1.138	96.42	1.037	0.032	0.191	1.028	0.232
WIFI 6E U-NII-8	ANT2	802.11ax80	Right Edge	5	215	7025	-0.08	0.019	9.57	10.00	1.104	96.42	1.037	0.022	0.138	1.028	0.162

8.2 WIFI 6GHz PD

Fre. Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	Meas Total psPD [W/m2]	Meas. uncertainty Scaling Factor	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	Scaled TotalpsPD [W/m2]	Meas. No.
Body																
WIFI 6E U-NII-5	ANT3	802.11ax160	Front Side	2	15	6025	0.11	0.711	1.545	14.21	15.00	1.199	97.86	1.022	1.346	/
WIFI 6E U-NII-5	ANT3	802.11ax160	Back Side	2	15	6025	0.12	1.010	1.545	14.21	15.00	1.199	97.86	1.022	1.912	/
WIFI 6E U-NII-5	ANT3	802.11ax160	Left Edge	2	15	6025	0.12	0.510	1.545	14.21	15.00	1.199	97.86	1.022	0.966	/
WIFI 6E U-NII-5	ANT3	802.11ax160	Right Edge	2	15	6025	-0.03	1.550	1.545	14.21	15.00	1.199	97.86	1.022	2.934	1#
WIFI 6E U-NII-5	ANT3	802.11ax160	Top Edge	2	15	6025	-0.01	0.951	1.545	14.21	15.00	1.199	97.86	1.022	1.800	/
WIFI 6E U-NII-5	ANT3	802.11ax160	Bottom Edge	2	15	6025	-0.18	0.056	1.545	14.21	15.00	1.199	97.86	1.022	0.106	/
WIFI 6E U-NII-5	ANT3	802.11ax160	Right Edge	2	47	6185	-0.20	1.120	1.545	13.28	14.00	1.180	97.86	1.022	2.087	/
WIFI 6E U-NII-5	ANT3	802.11ax160	Right Edge	2	79	6345	-0.05	1.470	1.545	12.91	13.00	1.021	97.86	1.022	2.370	/
WIFI 6E U-NII-5	ANT2	802.11ax160	Front Side	2	79	6345	-0.12	1.230	1.545	11.09	12.00	1.233	97.86	1.022	2.395	/

WIFI 6E U- NII-5	ANT2	802.11ax160	Back Side	2	79	6345	-0.01	1.450	1.545	11.09	12.00	1.233	97.86	1.022	2.823	/
WIFI 6E U- NII-5	ANT2	802.11ax160	Left Edge	2	79	6345	-0.11	0.490	1.545	11.09	12.00	1.233	97.86	1.022	0.954	/
WIFI 6E U- NII-5	ANT2	802.11ax160	Right Edge	2	79	6345	-0.14	1.310	1.545	11.09	12.00	1.233	97.86	1.022	2.550	/
WIFI 6E U- NII-5	ANT2	802.11ax160	Top Edge	2	79	6345	-0.15	1.420	1.545	11.09	12.00	1.233	97.86	1.022	2.765	/
WIFI 6E U- NII-5	ANT2	802.11ax160	Bottom Edge	2	79	6345	-0.17	0.053	1.545	11.09	12.00	1.233	97.86	1.022	0.103	/
WIFI 6E U- NII-5	ANT2	802.11ax160	Front Side	2	15	6025	0.00	1.130	1.545	8.64	9.00	1.086	97.86	1.022	1.938	/
WIFI 6E U- NII-5	ANT2	802.11ax160	Front Side	2	47	6185	0.07	1.410	1.545	9.46	10.00	1.132	97.86	1.022	2.520	/
WIFI 6E U- NII-6	ANT3	802.11ax160	Front Side	2	111	6505	-0.13	0.495	1.545	16.57	17.00	1.104	97.86	1.022	0.863	/
WIFI 6E U- NII-6	ANT3	802.11ax160	Back Side	2	111	6505	-0.12	2.200	1.545	16.57	17.00	1.104	97.86	1.022	3.835	2#
WIFI 6E U- NII-6	ANT3	802.11ax160	Left Edge	2	111	6505	-0.05	0.071	1.545	16.57	17.00	1.104	97.86	1.022	0.124	/
WIFI 6E U- NII-6	ANT3	802.11ax160	Right Edge	2	111	6505	-0.15	1.850	1.545	16.57	17.00	1.104	97.86	1.022	3.225	/

WIFI 6E U- NII-6	ANT3	802.11ax160	Top Edge	2	111	6505	-0.18	0.836	1.545	16.57	17.00	1.104	97.86	1.022	1.457	/
WIFI 6E U- NII-6	ANT3	802.11ax160	Bottom Edge	2	111	6505	0.20	0.062	1.545	16.57	17.00	1.104	97.86	1.022	0.108	/
WIFI 6E U- NII-6	ANT2	802.11ax160	Front Side	2	111	6505	-0.04	0.210	1.545	14.57	15.50	1.239	97.86	1.022	0.411	/
WIFI 6E U- NII-6	ANT2	802.11ax160	Back Side	2	111	6505	-0.16	0.314	1.545	14.57	15.50	1.239	97.86	1.022	0.614	/
WIFI 6E U- NII-6	ANT2	802.11ax160	Left Edge	2	111	6505	0.16	0.048	1.545	14.57	15.50	1.239	97.86	1.022	0.094	/
WIFI 6E U- NII-6	ANT2	802.11ax160	Right Edge	2	111	6505	0.03	0.247	1.545	14.57	15.50	1.239	97.86	1.022	0.483	/
WIFI 6E U- NII-6	ANT2	802.11ax160	Top Edge	2	111	6505	-0.17	0.201	1.545	14.57	15.50	1.239	97.86	1.022	0.393	/
WIFI 6E U- NII-6	ANT2	802.11ax160	Bottom Edge	2	111	6505	-0.19	0.059	1.545	14.57	15.50	1.239	97.86	1.022	0.115	/
WIFI 6E U- NII-7	ANT3	802.11ax80	Front Side	2	135	6625	0.15	0.737	1.545	16.27	17.00	1.183	96.42	1.037	1.397	/
WIFI 6E U- NII-7	ANT3	802.11ax80	Back Side	2	135	6625	-0.08	2.590	1.545	16.27	17.00	1.183	96.42	1.037	4.909	3#
WIFI 6E U- NII-7	ANT3	802.11ax80	Left Edge	2	135	6625	-0.06	0.075	1.545	16.27	17.00	1.183	96.42	1.037	0.142	/

WIFI 6E U- NII-7	ANT3	802.11ax80	Right Edge	2	135	6625	0.19	1.870	1.545	16.27	17.00	1.183	96.42	1.037	3.544	/
WIFI 6E U- NII-7	ANT3	802.11ax80	Top Edge	2	135	6625	0.07	2.360	1.545	16.27	17.00	1.183	96.42	1.037	4.473	/
WIFI 6E U- NII-7	ANT3	802.11ax80	Bottom Edge	2	135	6625	-0.06	0.083	1.545	16.27	17.00	1.183	96.42	1.037	0.157	/
WIFI 6E U- NII-7	ANT3	802.11ax80	Back Side	2	151	6705	0.20	2.420	1.545	15.57	16.00	1.104	96.42	1.037	4.280	/
WIFI 6E U- NII-7	ANT3	802.11ax80	Back Side	2	167	6785	-0.04	1.890	1.545	13.90	14.00	1.023	96.42	1.037	3.098	/
WIFI 6E U- NII-7	ANT2	802.11ax80	Front Side	2	135	6625	-0.05	0.125	1.545	14.35	14.50	1.035	96.42	1.037	0.207	/
WIFI 6E U- NII-7	ANT2	802.11ax80	Back Side	2	135	6625	-0.14	0.168	1.545	14.35	14.50	1.035	96.42	1.037	0.279	/
WIFI 6E U- NII-7	ANT2	802.11ax80	Left Edge	2	135	6625	0.18	0.062	1.545	14.35	14.50	1.035	96.42	1.037	0.103	/
WIFI 6E U- NII-7	ANT2	802.11ax80	Right Edge	2	135	6625	-0.07	0.143	1.545	14.35	14.50	1.035	96.42	1.037	0.237	/
WIFI 6E U- NII-7	ANT2	802.11ax80	Top Edge	2	135	6625	-0.02	0.139	1.545	14.35	14.50	1.035	96.42	1.037	0.230	/
WIFI 6E U- NII-7	ANT2	802.11ax80	Bottom Edge	2	135	6625	0.02	0.079	1.545	14.35	14.50	1.035	96.42	1.037	0.131	/

WIFI 6E U- NII-7	ANT2	802.11ax80	Back Side	2	151	6705	-0.12	0.160	1.545	9.89	10.00	1.026	96.42	1.037	0.263	/
WIFI 6E U- NII-7	ANT2	802.11ax80	Back Side	2	167	6785	-0.05	0.127	1.545	11.84	12.00	1.038	96.42	1.037	0.211	/
WIFI 6E U- NII-8	ANT3	802.11ax80	Front Side	2	199	6945	-0.03	0.325	1.545	12.88	13.00	1.028	96.42	1.037	0.535	/
WIFI 6E U- NII-8	ANT3	802.11ax80	Back Side	2	199	6945	-0.02	0.379	1.545	12.88	13.00	1.028	96.42	1.037	0.624	/
WIFI 6E U- NII-8	ANT3	802.11ax80	Left Edge	2	199	6945	-0.13	0.051	1.545	12.88	13.00	1.028	96.42	1.037	0.084	/
WIFI 6E U- NII-8	ANT3	802.11ax80	Right Edge	2	199	6945	-0.08	0.179	1.545	12.88	13.00	1.028	96.42	1.037	0.295	/
WIFI 6E U- NII-8	ANT3	802.11ax80	Top Edge	2	199	6945	0.12	0.258	1.545	12.88	13.00	1.028	96.42	1.037	0.425	/
WIFI 6E U- NII-8	ANT3	802.11ax80	Bottom Edge	2	199	6945	0.06	0.082	1.545	12.88	13.00	1.028	96.42	1.037	0.135	/
WIFI 6E U- NII-8	ANT3	802.11ax80	Back Side	2	183	6865	0.04	0.306	1.545	12.40	13.00	1.148	96.42	1.037	0.563	/
WIFI 6E U- NII-8	ANT3	802.11ax80	Back Side	2	215	7025	0.18	0.303	1.545	12.41	13.00	1.146	96.42	1.037	0.556	/
WIFI 6E U- NII-8	ANT2	802.11ax80	Front Side	2	183	6865	-0.05	0.286	1.545	11.09	12.00	1.233	96.42	1.037	0.565	/

WIFI 6E U- NII-8	ANT2	802.11ax80	Back Side	2	183	6865	0.00	0.392	1.545	11.09	12.00	1.233	96.42	1.037	0.774	/
WIFI 6E U- NII-8	ANT2	802.11ax80	Left Edge	2	183	6865	0.00	0.071	1.545	11.09	12.00	1.233	96.42	1.037	0.140	/
WIFI 6E U- NII-8	ANT2	802.11ax80	Right Edge	2	183	6865	-0.08	0.477	1.545	11.09	12.00	1.233	96.42	1.037	0.942	4#
WIFI 6E U- NII-8	ANT2	802.11ax80	Top Edge	2	183	6865	0.11	0.243	1.545	11.09	12.00	1.233	96.42	1.037	0.480	/
WIFI 6E U- NII-8	ANT2	802.11ax80	Bottom Edge	2	183	6865	0.07	0.063	1.545	11.09	12.00	1.233	96.42	1.037	0.124	/
WIFI 6E U- NII-8	ANT2	802.11ax80	Right Edge	2	199	6945	-0.13	0.302	1.545	10.44	11.00	1.138	96.42	1.037	0.551	/
WIFI 6E U- NII-8	ANT2	802.11ax80	Right Edge	2	215	7025	0.01	0.192	1.545	9.57	10.00	1.104	96.42	1.037	0.340	/

Fre. Band	Mode	Antenna	Position	Dist. (mm)	Grid Step(λ)	Ch.	Freq. (MHz)	IPDn	IPD ratio (≥-1)
WIFI 6E	802.11ax80	ANT3	Back Side	2	0.0625	135	6625	2.6	3.04
WIFI 6E	802.11ax80	ANT3	Back Side	9.06	0.2500	135	6625	1.29	

9 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	2026/05/26	2027/05/25
Data Acquisition Electronics	Speag	DAE4	SN: 878	2026/03/23	2027/03/22
E-Field Probe	Speag	EX3DV4	SN: 9607	2026/01/14	2027/01/13
Signal Generator	Keysight	N5173B	MY62150163	2026/06/22	2027/06/21
Power Meter	R&S	NRVD-B2	835843/014	2026/06/23	2027/06/22
Power Sensor	R&S	NRV-Z4	100381	2026/06/23	2027/06/22
Power Sensor	R&S	NRV-Z2	100211	2026/06/23	2027/06/22
Thermometer	Elitech	RC-4HC	EF7239002655	2025/10/29	2026/10/28
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)
2026/7/23	10	21.5	141	158.2	172.00	-0.36
2026/7/24	10	21.5	152	170.5	172.00	-0.04
2026/7/25	10	21.5	148	166.1	172.00	-0.15
2026/7/26	10	21.5	151	169.4	172.00	-0.07
Note 1: The tolerance limit of System validation ± 0.66 dB. Note 2: According the verification source 10GHz calibration report the target forward power is 22.00dBm. Note 3: Normalized PD 4 cm ² = Measured PD 4 cm ² *10 ^{^(0.1*(Target Forward power- Meas. Forward Power))}						

Please refer the document "Ti-EE26060694-ASC-3.pdf".

ANNEX B POWER DENSITY TEST DATA

Please refer the document “Ti-EE26060694-ATD-3.pdf”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26060694-AW.pdf”.

ANNEX D SAR TEST SETUP PHOTOS

Please refer the document “Ti-EE26060694-AS-3.pdf”.

ANNEX E CALIBRATION REPORT

Please refer the document “Ti-EE26060694-AC-3.pdf”.

ANNEX F TUNE-UP PROCEDURE

Please refer the document “Ti-EE26060694-AT-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--