TEST REPORT

Applicant:	INVENTUS GROUP LTD
Address:	C/O FLB ACCOUNTANTS LLP 1010 ESKDALE ROAD WINNERSH TRIANGLE WOKINGHAM UNITED KINGDOM RG41 5TS
Equipment Type:	Tablet
Model Name:	Inventus SD1
Brand Name:	INVENTUS
FCC ID:	2BDXXSD1
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum PD:	4.03 W/m^2
Sample Arrival Date:	Jul. 31, 2026
Test Date:	Aug. 30, 2026 - Aug. 31, 2026
Date of Issue:	Sep. 22, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining **Checked by:** Xu Rui **Approved by:** Liao Jianming (Technical Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Sep. 22, 2026	Initial Issue

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
3 SUMMARY OF TEST RESULT 7
3.1 Test Standards 7
3.2 Device Category and SAR Limit 8
3.3 Test Result Summary 9
3.4 Test Uncertainty 10
4 MEASUREMENT SYSTEM 12
4.1 DASY Power Density System 12
5 SYSTEM VERIFICATION 17
5.1 Purpose of System Check 17
5.2 System Check Setup 17
6 POWER DENSITY MEASUREMENT PROCEDURE 18
6.1 Computation of the Electric Field Polarization Ellipse 18
6.2 Total Field and Power Flux Density Reconstruction 19
6.3 Power Flux Density Averaging 19

6.4 Measurement Workflow 19
7 CONDUCTED RF OUPUT POWER 20
8 TEST RESULT OF POWER DENSITY 21
8.1 WIFI 6GHz SAR 21
8.2 WIFI 6GHz PD 23
9 TEST EQUIPMENTS LIST 25
ANNEX A SIMULATING LIQUID VERIFICATION RESULT 26
ANNEX B POWER DENSITY TEST DATA 27
ANNEX C EUT EXTERNAL PHOTOS 27
ANNEX D SAR TEST SETUP PHOTOS 27
ANNEX E CALIBRATION REPORT 27
ANNEX F TUNE-UP PROCEDURE 27

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	INVENTUS GROUP LTD
Address	C/O FLB ACCOUNTANTS LLP 1010 ESKDALE ROAD WINNERSH TRIANGLE WOKINGHAM UNITED KINGDOM RG41 5TS

2.2 Manufacturer Information

Manufacturer	INVENTUS GROUP LTD
Address	C/O FLB ACCOUNTANTS LLP 1010 ESKDALE ROAD WINNERSH TRIANGLE WOKINGHAM UNITED KINGDOM RG41 5TS

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet
Model Name Under Test	Inventus SD1
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	HW1
Software Version	SW6_V7.0_GSD1INVS_US_A16_090926
Dimensions (Approx.)	L:280.74mm*W:194.74mm*H:9.5mm
Weight (Approx.)	724.2g
EUT ID	CC26060330-001: S14
IMEI Number	CC26060330-001-S14; IMEI1:352225640003973; IMEI2:352225640003981

2.4 Ancillary Equipment

Note: Not application.

2.5 Technical Information

Network and Wireless connectivity	4G Network LTE Band 48 5G Network NR: SA n48 WiFI 802.11ax(HE20/HE40/HE80/HE160)；be(EHT20/EHT40/ EHT80/ EHT160)

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

Operating Mode	6G WIFI	
Frequency Range	802.11ax(HE20/HE 40/HE80/HE160)	5925 MHz ~ 6425 MHz
		6425 MHz ~ 6525 MHz
		6525 MHz ~ 6875 MHz
		6875 MHz ~ 7125 MHz
	be(EHT20/EHT40/ EHT80/ EHT160)	5925 MHz ~ 6425 MHz
		6425 MHz ~ 6525 MHz
		6525 MHz ~ 6875 MHz
		6875 MHz ~ 7125 MHz
Antenna Type	FPCB Antenna	
Hotspot Function	N/A	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radio frequency radiation exposure evaluation: portable devices
2	ANSI/IEEE Std. C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	47 CFR Part 1.1310	Radiofrequency radiation exposure limits
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 D04v01r02	SAR for laptop and tablets
8	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
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

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

Band	Maximum Scaled PD (W/m^2)	Maximum Report PD (W/m^2)
	Body (2mm)	Body (2mm)
6G WIFI	**4.03**	**4.03**
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.

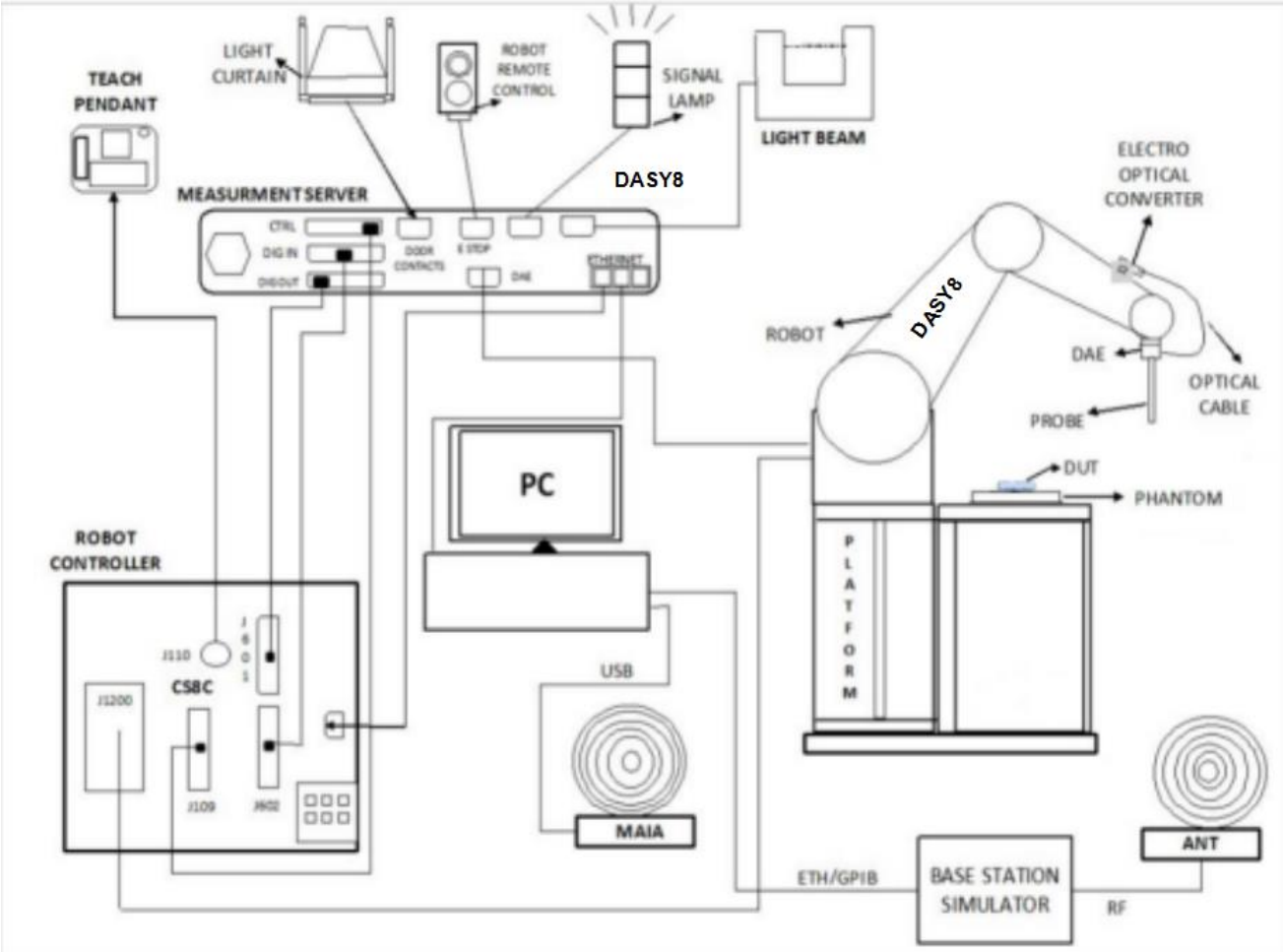
DASY8 Uncertainty Budget for PD (avg ≥1 cm2) Evaluation Distances to the Antennas ≥ λ/5 in Compliance with IEC/IEEE 63195							
Error Description		Unc. Value (±dB)	Probab. Distri.	Div.	(*ci*)	Std. Unc. (±dB)	(vi) veff
Uncertainty terms dependent on the measurement system							
CAL	Calibration	0.49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

AR	Ambient reflections	0.04	R	1.732	1	0.02	∞
MSI	Immunity / secondary reception	0	R	1.732	1	0	∞
DRI	Drift of the DUT	–	R	1.732	1	–	∞
Combined Std Uncertainty (w/ FTE/MEO)			–	–	–	0.75	∞
Expanded Std Uncertainty (w/ FTE/MEO)			–	–	–	**1.50 (1.71)**	–

4 MEASUREMENT SYSTEM

4.1 DASY Power Density System

4.1.1 DASY PD System Diagram



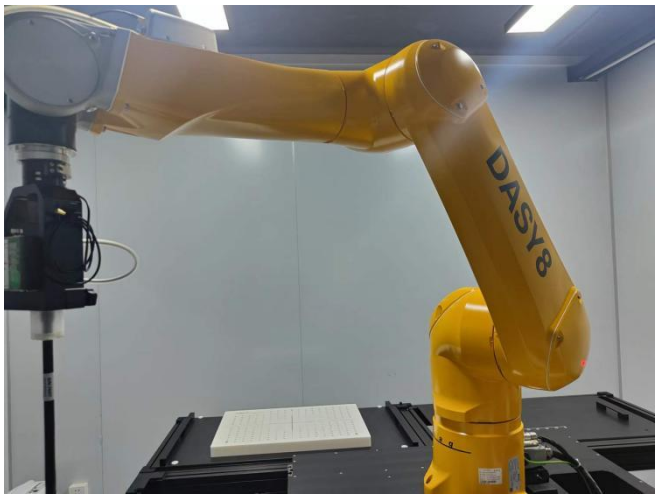
The DASY system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.

7. DASY software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.1.2 Robot

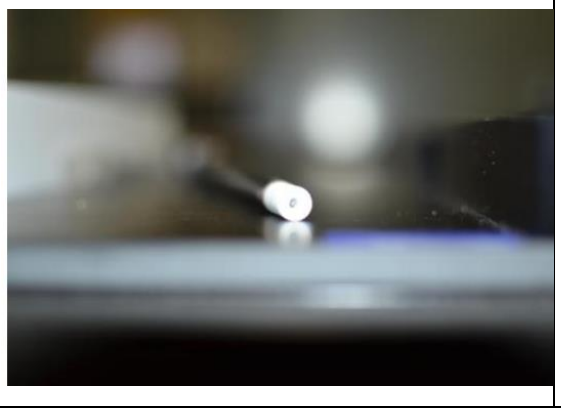
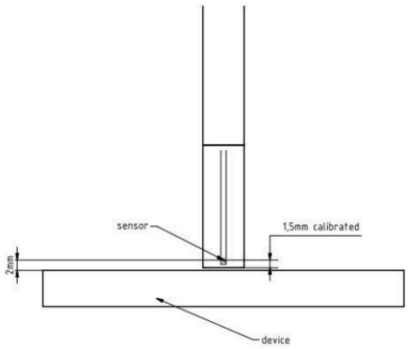
The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many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



- High precision
  (repeatability ±0.02 mm)
- High reliability
  (industrial design)
- Low maintenance costs
  (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements
  (brush less synchron motors; no stepper motors)
- Low ELF interference
  (motor control _elds shielded via the closed metallic construction shields)

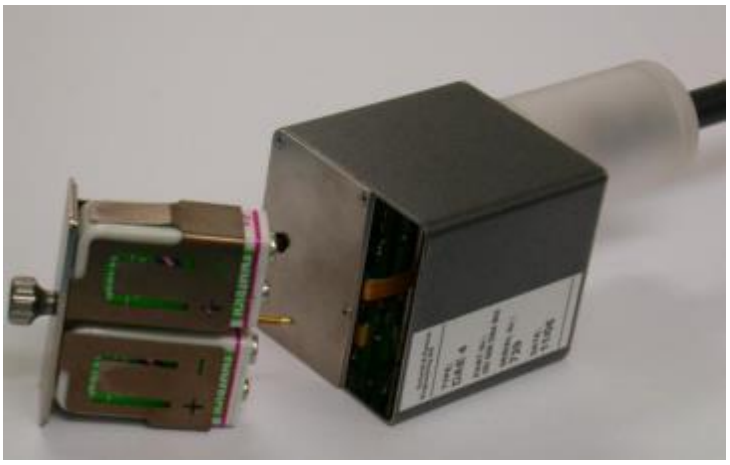
4.1.3 EUmmWave Probe / E-Field 5G Probe

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

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

4.1.4 Data Acquisition Electronics

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



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

5 SYSTEM VERIFICATION

5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal Power Density measurements in a simplified setup with a well characterized source.This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

5.2 System Check Setup

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

6 POWER DENSITY MEASUREMENT PROCEDURE

6.1 Computation of the Electric Field Polarization Ellipse

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

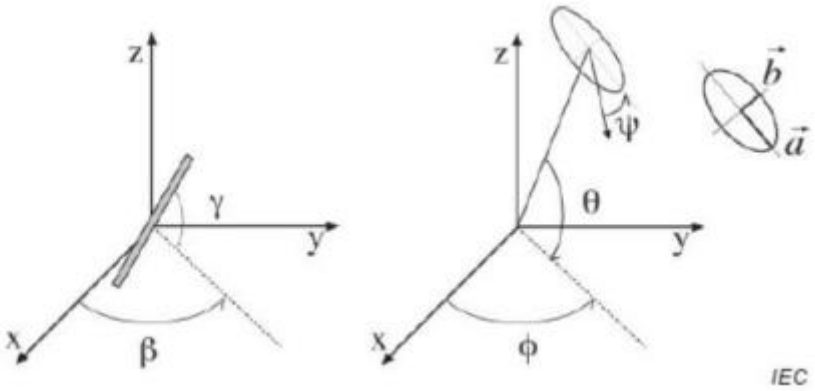


Illustration of the angles used for the numerical description of the sensor and the orientation of an ellipse in 3-D space

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

The reconstruction of ellipse parameters can be separated into linear and non-linear parts that are best solved by the givens algorithm combined with a downhill simplex algorithm. To minimize the mutual coupling, sensor angles are set with a 90° shift (γ 1= γ 2+90°), and, to simplify, the first rotation angle of the probe (β 1) can be set to 0° .

6.2 Total Field and Power Flux Density Reconstruction

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

6.3 Power Flux Density Averaging

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

6.4 Measurement Workflow

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

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

7 CONDUCTED RF OUPUT POWER

Please refer the document “Ti-CC26060547-AP-2.pdf”.

8 TEST RESULT OF POWER DENSITY

8.1 WIFI 6GHz SAR

Band	DSI State	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 Factor	1g Scaled SAR (W/kg)	Measured APD4cm² [W/m²]	Meas. uncertainty Scaling Factor	Scaled APD [W/m²]
Body																		
6G U-NII-5	Full Power	ANT7	11ax-160	Back Side	0	47	6185	-0.07	0.276	7.84	8.00	1.038	100.00	1.000	0.286	1.820	1.028	1.942
6G U-NII-5	Full Power	ANT7	11ax-160	Left Edge	0	47	6185	0.13	0.302	7.84	8.00	1.038	100.00	1.000	0.313	1.940	1.028	2.070
6G U-NII-5	Full Power	ANT7	11ax-160	Right Edge	0	47	6185	0.11	0.016	7.84	8.00	1.038	100.00	1.000	0.017	1.940	1.028	2.070
6G U-NII-5	Full Power	ANT7	11ax-160	Top Edge	0	47	6185	-0.16	0.266	7.84	8.00	1.038	100.00	1.000	0.276	1.710	1.028	1.825
6G U-NII-5	Full Power	ANT7	11ax-160	Bottom Edge	0	47	6185	0.07	0.012	7.84	8.00	1.038	100.00	1.000	0.012	1.710	1.028	1.825
6G U-NII-5	Full Power	ANT7	11ax-160	Left Edge	0	15	6025	0.03	0.546	7.06	8.00	1.242	100.00	1.000	0.678	3.640	1.028	4.647
6G U-NII-5	Full Power	ANT7	11ax-160	Left Edge	0	79	6345	-0.19	0.368	7.84	8.00	1.038	100.00	1.000	0.382	2.360	1.028	2.518
6G U-NII-6	Full Power	ANT7	11ax-160	Left Edge	0	111	6505	-0.07	0.335	7.56	8.00	1.107	100.00	1.000	0.371	2.160	1.028	2.458
6G U-NII-7	Full Power	ANT7	11ax-160	Left Edge	0	143	6665	-0.18	0.164	7.63	8.00	1.089	100.00	1.000	0.179	1.080	1.028	1.209
6G U-NII-7	Full Power	ANT7	11ax-160	Left Edge	0	175	6825	-0.12	0.218	7.44	8.00	1.138	100.00	1.000	0.248	1.440	1.028	1.685
6G U-NII-8	Full Power	ANT7	11ax-160	Left Edge	0	207	6985	0.09	0.329	7.32	8.00	1.169	100.00	1.000	0.385	2.090	1.028	2.512
6G U-NII-5	Full Power	ANT8	11ax-160	Back Side	0	47	6185	-0.04	0.221	7.78	8.00	1.052	100.00	1.000	0.232	1.340	1.028	1.449
6G U-NII-5	Full Power	ANT8	11ax-160	Left Edge	0	47	6185	0.02	0.013	7.78	8.00	1.052	100.00	1.000	0.014	0.826	1.028	0.893
6G U-NII-5	Full Power	ANT8	11ax-160	Right Edge	0	47	6185	-0.13	0.132	7.78	8.00	1.052	100.00	1.000	0.139	0.826	1.028	0.893
6G U-NII-5	Full Power	ANT8	11ax-160	Top Edge	0	47	6185	0.01	0.064	7.78	8.00	1.052	100.00	1.000	0.067	0.402	1.028	0.435
6G U-NII-5	Full Power	ANT8	11ax-160	Bottom Edge	0	47	6185	-0.07	0.011	7.78	8.00	1.052	100.00	1.000	0.012	0.826	1.028	0.893
6G U-NII-5	Full Power	ANT8	11ax-160	Right Edge	0	15	6025	-0.18	0.242	5.16	6.00	1.213	100.00	1.000	0.294	1.510	1.028	1.883

6G U-NII-5	Full Power	ANT8	11ax-160	Right Edge	0	79	6345	0.04	0.292	6.78	8.00	1.324	100.00	1.000	0.387	1.840	1.028	2.504
6G U-NII-6	Full Power	ANT8	11ax-160	Right Edge	0	111	6505	-0.13	0.261	6.95	8.00	1.274	100.00	1.000	0.333	1.630	1.028	2.135
6G U-NII-7	Full Power	ANT8	11ax-160	Right Edge	0	143	6665	0.09	0.255	7.08	8.00	1.236	100.00	1.000	0.315	1.590	1.028	2.020
6G U-NII-7	Full Power	ANT8	11ax-160	Right Edge	0	175	6825	0.05	0.233	7.51	8.00	1.119	100.00	1.000	0.261	1.420	1.028	1.633
6G U-NII-8	Full Power	ANT8	11ax-160	Right Edge	0	207	6985	-0.14	0.167	7.78	8.00	1.052	100.00	1.000	0.176	1.050	1.028	1.136
6G U-NII-5	Full Power	MIMO	11ax-160	Back Side	0	47	6185	0.01	0.263	10.82	11.00	1.042	100.00	1.000	0.274	1.610	1.028	1.725
6G U-NII-5	Full Power	MIMO	11ax-160	Left Edge	0	47	6185	-0.19	0.311	10.82	11.00	1.042	100.00	1.000	0.324	1.950	1.028	2.089
6G U-NII-5	Full Power	MIMO	11ax-160	Right Edge	0	47	6185	0.04	0.215	10.82	11.00	1.042	100.00	1.000	0.224	1.360	1.028	1.457
6G U-NII-5	Full Power	MIMO	11ax-160	Top Edge	0	47	6185	0.07	0.237	10.82	11.00	1.042	100.00	1.000	0.247	1.480	1.028	1.585
6G U-NII-5	Full Power	MIMO	11ax-160	Bottom Edge	0	47	6185	-0.11	0.012	10.82	11.00	1.042	100.00	1.000	0.013	1.480	1.028	1.585
6G U-NII-5	Full Power	MIMO	11ax-160	Left Edge	0	15	6025	0.01	0.506	9.22	10.00	1.197	100.00	1.000	0.606	3.120	1.028	3.839
6G U-NII-5	Full Power	MIMO	11ax-160	Left Edge	0	79	6345	0.13	0.305	10.35	11.00	1.161	100.00	1.000	0.354	1.850	1.028	2.208
6G U-NII-6	Full Power	MIMO	11ax-160	Left Edge	0	111	6505	-0.05	0.311	10.28	11.00	1.180	100.00	1.000	0.367	1.970	1.028	2.390
6G U-NII-7	Full Power	MIMO	11ax-160	Left Edge	0	143	6665	0.14	0.135	10.37	11.00	1.156	100.00	1.000	0.156	0.846	1.028	1.005
6G U-NII-7	Full Power	MIMO	11ax-160	Left Edge	0	175	6825	-0.03	0.206	10.49	11.00	1.125	100.00	1.000	0.232	1.240	1.028	1.434
6G U-NII-8	Full Power	MIMO	11ax-160	Left Edge	0	207	6985	-0.06	0.321	10.57	11.00	1.104	100.00	1.000	0.354	1.930	1.028	2.190

8.2 WIFI 6GHz PD

Band	DSI State	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 Factor	Scaled TotalpsPD [W/m2]	Meas. No.
Body																	
6G U-NII-5	Full Power	ANT7	11ax-160	Back Side	2	47	6185	0.12	0.825	1.545	7.84	8.00	1.038	100.00	1.000	1.323	/
6G U-NII-5	Full Power	ANT7	11ax-160	Left Edge	2	47	6185	-0.10	1.150	1.545	7.84	8.00	1.038	100.00	1.000	1.844	/
6G U-NII-5	Full Power	ANT7	11ax-160	Right Edge	2	47	6185	-0.05	0.146	1.545	7.84	8.00	1.038	100.00	1.000	0.234	/
6G U-NII-5	Full Power	ANT7	11ax-160	Top Edge	2	47	6185	0.04	0.754	1.545	7.84	8.00	1.038	100.00	1.000	1.209	/
6G U-NII-5	Full Power	ANT7	11ax-160	Bottom Edge	2	47	6185	0.07	0.173	1.545	7.84	8.00	1.038	100.00	1.000	0.277	/
6G U-NII-5	Full Power	ANT7	11ax-160	Left Edge	2	15	6025	0.03	2.100	1.545	7.06	8.00	1.242	100.00	1.000	**4.030**	1#
6G U-NII-6	Full Power	ANT7	11ax-160	Left Edge	2	111	6505	-0.19	1.260	1.545	7.56	8.00	1.107	100.00	1.000	2.155	/
6G U-NII-7	Full Power	ANT7	11ax-160	Left Edge	2	175	6825	-0.19	0.803	1.545	7.44	8.00	1.138	100.00	1.000	1.412	/
6G U-NII-8	Full Power	ANT7	11ax-160	Left Edge	2	207	6985	-0.04	1.370	1.545	7.32	8.00	1.169	100.00	1.000	2.474	/
6G U-NII-5	Full Power	ANT8	11ax-160	Back Side	2	47	6185	-0.19	0.754	1.545	7.78	8.00	1.052	100.00	1.000	1.226	/
6G U-NII-5	Full Power	ANT8	11ax-160	Left Edge	2	47	6185	-0.18	0.183	1.545	7.78	8.00	1.052	100.00	1.000	0.297	/
6G U-NII-5	Full Power	ANT8	11ax-160	Right Edge	2	47	6185	-0.18	0.527	1.545	7.78	8.00	1.052	100.00	1.000	0.857	/
6G U-NII-5	Full Power	ANT8	11ax-160	Top Edge	2	47	6185	-0.14	0.246	1.545	7.78	8.00	1.052	100.00	1.000	0.400	/
6G U-NII-5	Full Power	ANT8	11ax-160	Bottom Edge	2	47	6185	-0.14	0.136	1.545	7.78	8.00	1.052	100.00	1.000	0.221	/
6G U-NII-5	Full Power	MIMO	11ax-160	Back Side	2	47	6185	0.11	0.806	1.545	10.82	11.00	1.042	100.00	1.000	1.298	/
6G U-NII-5	Full Power	MIMO	11ax-160	Left Edge	2	47	6185	0.02	1.030	1.545	10.82	11.00	1.042	100.00	1.000	1.658	/
6G U-NII-5	Full Power	MIMO	11ax-160	Right Edge	2	47	6185	0.08	0.556	1.545	10.82	11.00	1.042	100.00	1.000	0.895	/
6G U-NII-5	Full Power	MIMO	11ax-160	Top Edge	2	47	6185	0.04	0.716	1.545	10.82	11.00	1.042	100.00	1.000	1.153	/

6G U-NII-5	Full Power	MIMO	11ax-160	Bottom Edge	2	47	6185	0.04	0.158	1.545	10.82	11.00	1.042	100.00	1.000	0.254	/
Note 1: 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.																	

Fre. Band	Mode	Antenna	Position	Dist. (mm)	Grid Step(λ)	Ch.	Freq. (MHz)	IPDn	IPD ratio (≥-1)
WIFI 6E	11ax-160	ANT7	Left Edge	2	0.0625	15	6025	1.65	2.09
WIFI 6E	11ax-160	ANT7	Left Edge	9.96	0.2500	15	6025	1.02	

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	2027/05/21
EUmmW Probe	Speag	EUmmWV4	SN: 9607	2026/01/14	2027/01/13
Data Acquisition Electronics	Speag	DAE4	SN: 1710	2026/01/12	2027/01/11
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)
2026/8/30	10000	21.5	169	189.6	172.00	0.42
2026/8/31	10000	21.5	175	196.4	172.00	0.58

Note 1: The tolerance limit of System validation ±0.66dB.

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-CC26060547-ASC-2.pdf”.

ANNEX B POWER DENSITY TEST DATA

Please refer the document “Ti-CC26060547-ATD-2.pdf”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26060547-AW.pdf”.

ANNEX D SAR TEST SETUP PHOTOS

Please refer the document “Ti-CC26060547-AS-2.pdf”.

ANNEX E CALIBRATION REPORT

Please refer the document “Ti-CC26060547-AC-2.pdf”.

ANNEX F TUNE-UP PROCEDURE

Please refer the document “Ti-CC26060547-AT-2.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--