

RF Exposure report



The following samples were submitted and identified on behalf of the client as:

EUT Description	Notebook Computer
Brand Name	<i>acer</i>
Model No.	N25LD3
Applicant	Acer Incorporated 8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 22181, Taiwan (R.O.C)
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	HLZN25LD3
Date of EUT Receipt	Dec. 02, 2025
Date of Test(s)	Dec. 11, 2025 ~ Dec. 21, 2025
Date of Issue	Jan. 21, 2026

Approved By /

John Teh

John Yeh

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2512000957E5	00	Initial creation of document	Jan. 14, 2026	Cindy Chou	
TESA2512000957E5	01	Modify comment	Jan. 21, 2026	Cindy Chou	*

Note:

1. The mark " * " is the revised version of the report due to comments submitted by the certification.

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1 GENERAL INFORMATION

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards:

IEEE/ANSI C95.1-1992

IEEE 1528-2013

KDB 447498D01v06

KDB 865664D01v01r04

KDB 865664D02v01r02

KDB 616217D04v01r02

KDB 248227D01v02r02

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1.2 Description of EUT

EUT Description	Wireless module installed in Notebook Computer	
Brand Name	<i>acer</i>	
Model No.	N25LD3	
Integrated WLAN Module	Brand Name: FN-LINK Model Name: 6251C-PUB	
Duty Cycle	WLAN 802.11	Please refer to section 3
	Bluetooth	Please refer to section 3
Supported radios (TX Frequency Range, MHz)	802.11 b/g/n/ax	2.4GHz (2400.0 – 2483.5 MHz)
	802.11a/n/ac/ax	5.2GHz (5150.0 – 5250.0 MHz)
		5.3GHz (5250.0 – 5350.0 MHz)
		5.6GHz (5470.0 – 5725.0 MHz)
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)

1.3 Maximum value

Summary of Maximum SAR Value	
Mode	Highest SAR 1g (W/kg)
Bluetooth(3M)	0.07
2.4G WLAN	1.19
5G WLAN	0.94

1.4 Antenna Information

Vendor	INPAQ					
Antenna	Ant Main					
Part Number	WA-F-LE-02-079					
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895
Peak Gain (dBi)	2.88	2.91	2.80	2.87	2.87	2.14
Antenna	Ant Aux					
Part Number	WA-F-LE-01-026					
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895
Peak Gain (dBi)	2.68	2.89	2.89	2.27	2.73	2.73
Note: Antenna information is provided by the applicant.						

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2 MEASUREMENT SYSTEM

2.1 Test Facility

Laboratory	Test Site Address	Test Site Name	Test Engineer	Project Manager	FCC Designation number/Registration Number	IC CAB identifier/Company Number
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road, NeiHu District, Taipei City, 11493, Taiwan	SAR 2	-	-	TW0029/ 150169	TW3702/ 23862
		SAR 6	-	-		
		SAR 8	-	-		
	No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan	SAR 1	-	-	TW0028/ 200037	TW3702/ 4620E
		SAR 4	Stella Chang	Tom Chiang		
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan	SAR 3	-	-	TW0027/ 891563	TW3702/ 4620A
		SAR 7	-	-		

Note: Test site name is remarked on a bolded mark as an indication where measurements occurred in specific test site and address.

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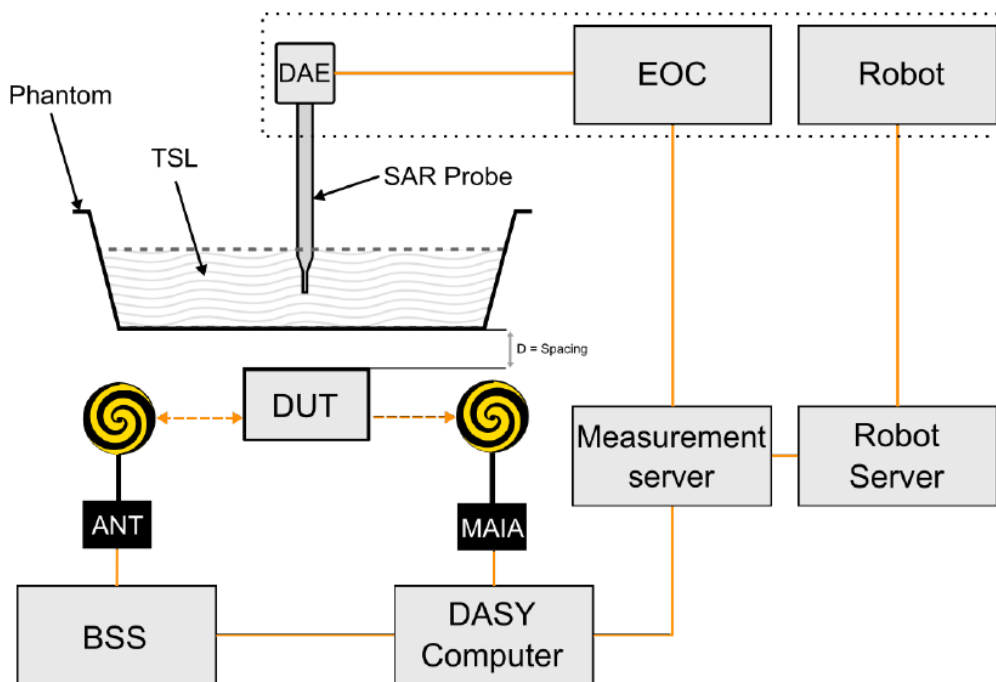
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2.2 SAR System

Block Diagram (DASY8)

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



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (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.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Windows and the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

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EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 2450/5250/5600/5750/5850 MHz Additional CF for other liquids and frequencies upon request	
Frequency	10 MHz to > 6 GHz	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	10 μW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μW/g)	
Dimensions	Tip diameter: 2.5 mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.	

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PHANTOM (ELI)

Model	ELI	
Construction	The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Shell Thickness	2 ± 0.2 mm	
Filling Volume	Approx. 30 liters	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	

DEVICE HOLDER

Construction	The device holder (Supporter) for Notebook is made by POM (polyoxymethylene resin) , which is non-metal and non-conductive. The height can be adjusted to fit varies kind of notebooks.	
		Device Holder

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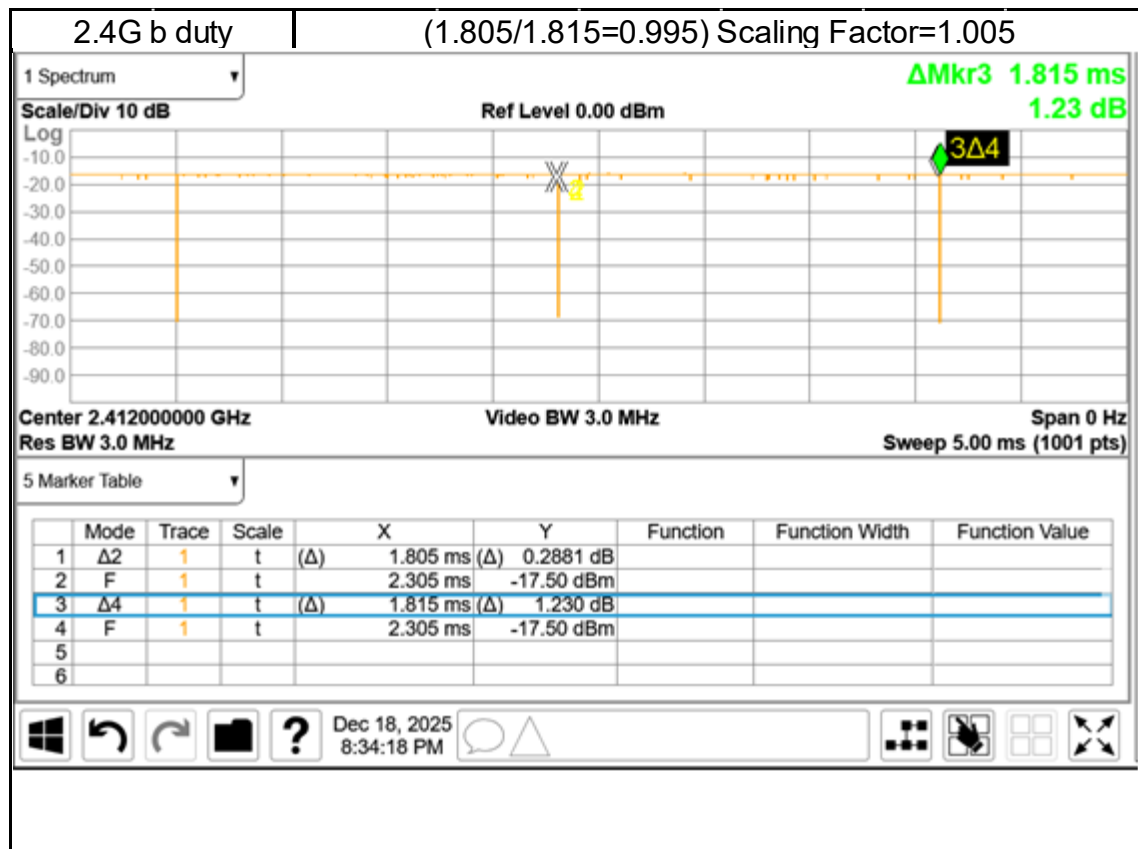
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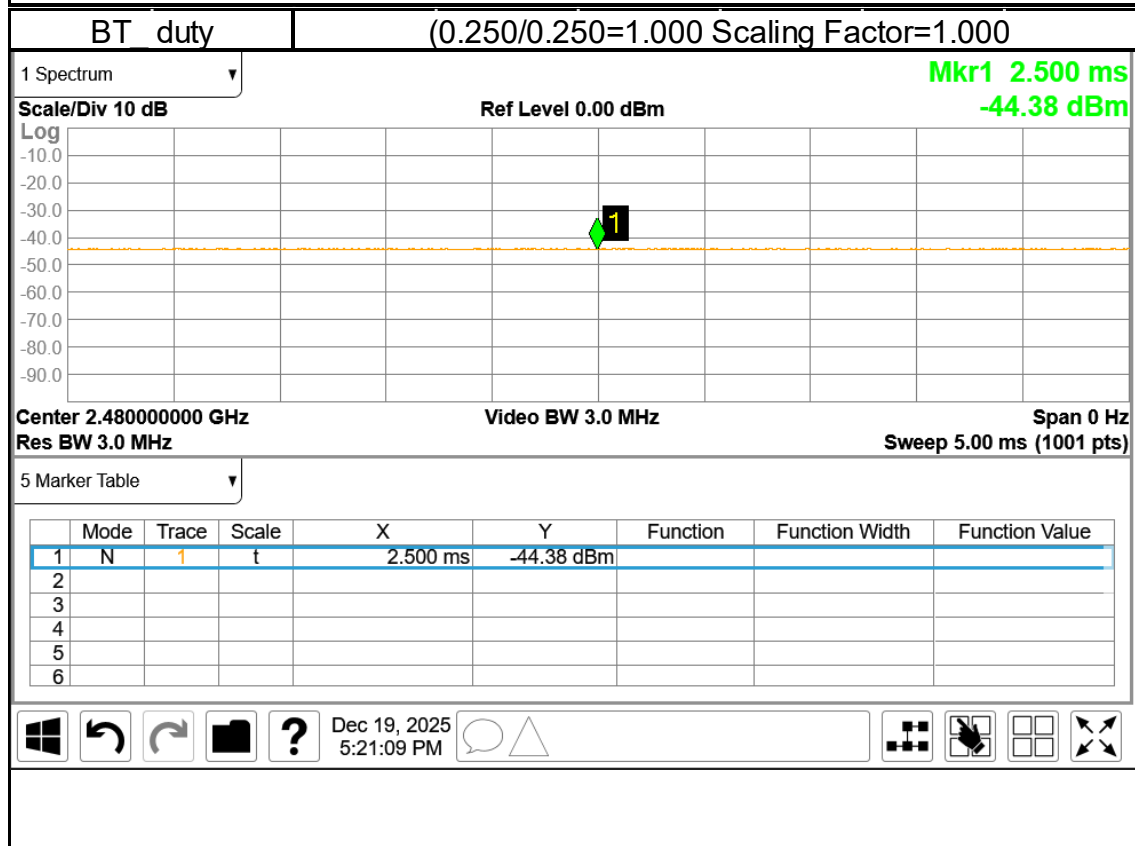
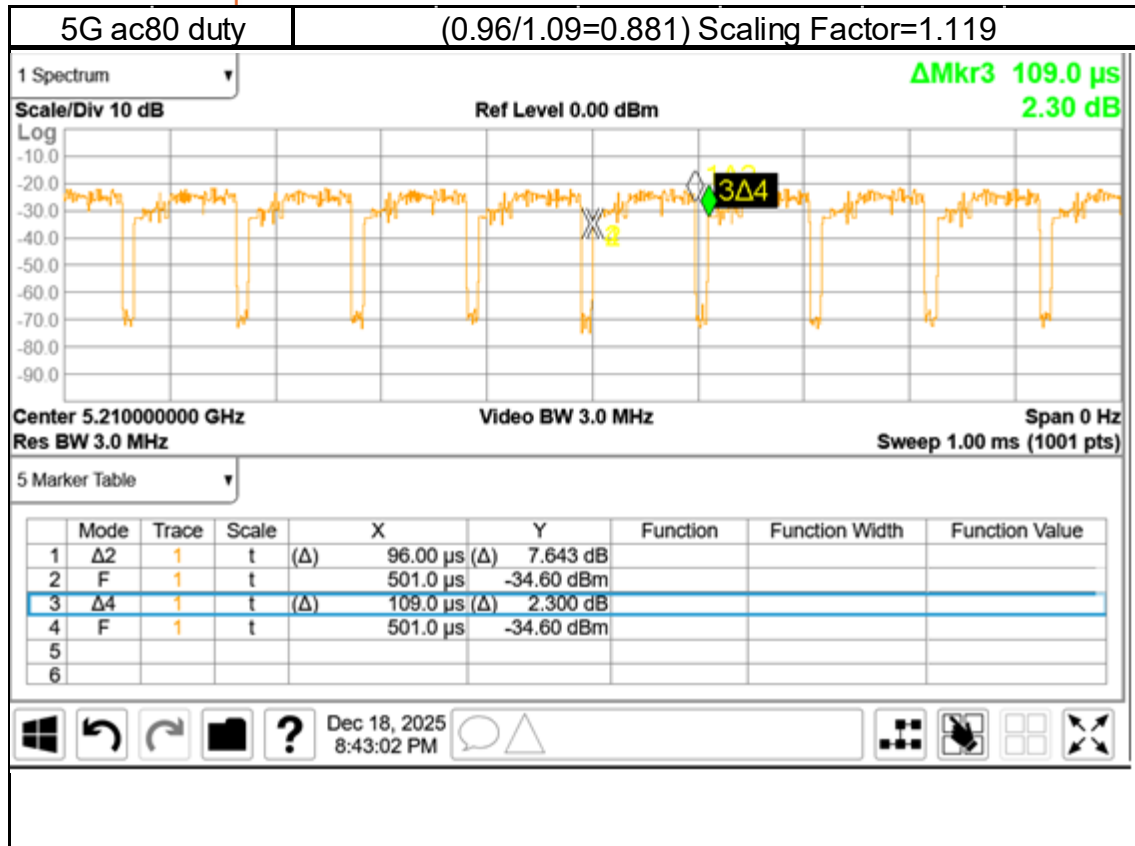
3 DUTY CYCLE



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4 SAR SYSTEM VERIFICATION

4.1 Tissue Simulating Liquid

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with homogeneous tissue simulating liquid. For head SAR testing, the liquid height from the ear rint (ERP) of the phantom to the liquid top surface is larger than 15cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.

4.2 Tissue Simulant Liquid measurement

The dielectric properties for this Head-simulant fluid were measured by using the SPEAG Dielectric Assessment Kit (DAKS-3.5)

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within $\pm 5\%$ of the target values.

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4.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, ϵ_r	Target Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ_r	Measured Conductivity, σ (S/m)	% dev ϵ_r	% dev σ	Limit	Measurement Date
2402	39.296	1.758	40.385	1.846	2.77%	4.98%	$\pm 10\%$	Dec. 18, 2025
2412	39.276	1.767	40.368	1.855	2.78%	4.98%	$\pm 10\%$	
2437	39.226	1.789	40.323	1.877	2.80%	4.93%	$\pm 10\%$	
2441	39.218	1.792	40.316	1.880	2.80%	4.90%	$\pm 10\%$	
2450	39.200	1.800	40.300	1.888	2.81%	4.89%	$\pm 10\%$	
2462	39.184	1.813	40.285	1.900	2.81%	4.81%	$\pm 10\%$	
2480	39.160	1.832	40.262	1.916	2.81%	4.59%	$\pm 10\%$	
5210	35.990	4.670	37.074	4.833	3.01%	3.49%	$\pm 10\%$	Dec. 19, 2025
5250	35.950	4.710	37.029	4.876	3.00%	3.52%	$\pm 10\%$	
5290	35.910	4.750	36.983	4.918	2.99%	3.54%	$\pm 10\%$	
5530	35.605	4.997	36.709	5.173	3.10%	3.53%	$\pm 10\%$	
5600	35.500	5.070	36.629	5.247	3.18%	3.49%	$\pm 10\%$	
5750	35.350	5.220	36.457	5.405	3.13%	3.54%	$\pm 10\%$	
5775	35.325	5.245	36.429	5.431	3.13%	3.55%	$\pm 10\%$	
5850	35.300	5.270	36.400	5.458	3.12%	3.57%	$\pm 10\%$	
2402	39.296	1.758	39.517	1.808	0.56%	2.82%	$\pm 10\%$	Dec. 20, 2025
2412	39.276	1.767	39.500	1.817	0.57%	2.83%	$\pm 10\%$	
2437	39.226	1.789	39.455	1.839	0.58%	2.81%	$\pm 10\%$	
2441	39.218	1.792	39.448	1.842	0.59%	2.78%	$\pm 10\%$	
2450	39.200	1.800	39.432	1.850	0.59%	2.78%	$\pm 10\%$	
2462	39.184	1.813	39.417	1.861	0.59%	2.66%	$\pm 10\%$	
2480	39.160	1.832	39.394	1.878	0.60%	2.51%	$\pm 10\%$	
5210	35.990	4.670	36.206	4.723	0.60%	1.13%	$\pm 10\%$	Dec. 21, 2025
5250	35.950	4.710	36.161	4.765	0.59%	1.17%	$\pm 10\%$	
5290	35.910	4.750	36.115	4.806	0.57%	1.18%	$\pm 10\%$	
5530	35.605	4.997	35.841	5.056	0.66%	1.19%	$\pm 10\%$	
5600	35.500	5.070	35.761	5.128	0.74%	1.14%	$\pm 10\%$	
5750	35.350	5.220	35.589	5.283	0.68%	1.21%	$\pm 10\%$	
5775	35.325	5.245	35.561	5.309	0.67%	1.22%	$\pm 10\%$	
5850	35.300	5.270	35.532	5.335	0.66%	1.23%	$\pm 10\%$	

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4.4 The composition of the tissue simulating liquid:

Simulating Liquids for 600 MHz -10 GHz, Manufactured by SPEAG:

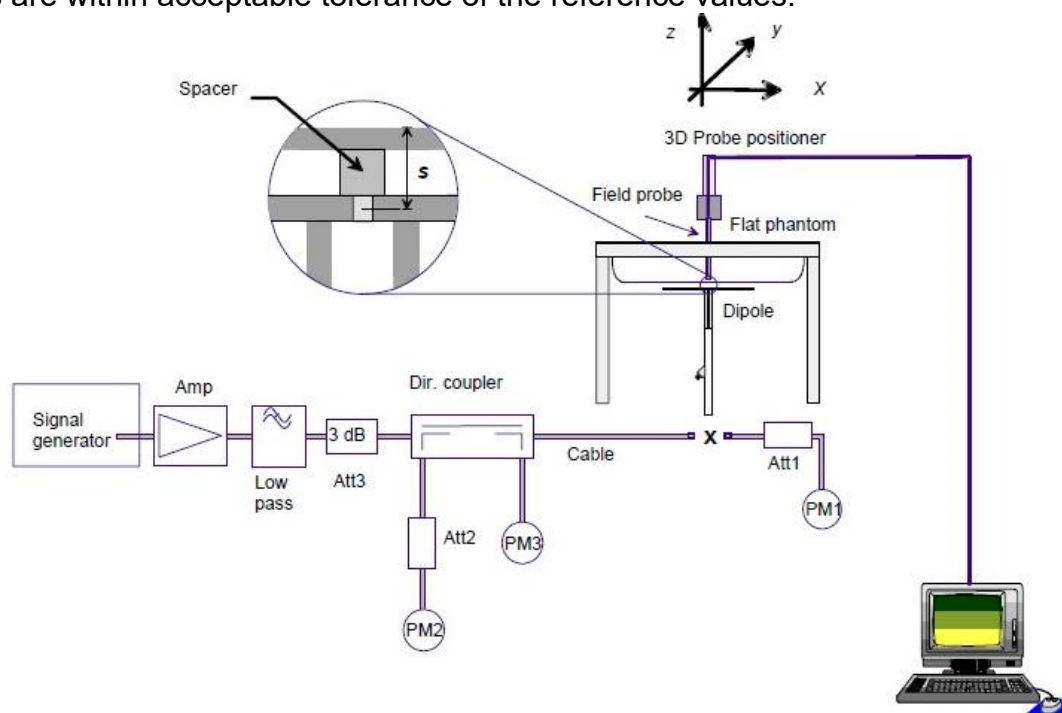
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

4.5 System check

The microwave circuit arrangement for system check is sketched in below. The daily system accuracy verification occurs within the flat section of the SAM phantom and ELI phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values.

The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed with SAR values normalized to 1W forward power delivered to the dipole.

During the tests, the liquid depth from the center of the flat phantom to the liquid top surface was 15 cm above in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



The block diagram of system check

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4.6 System check results

Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D2450V2	727	2450	52.6	13.4	53.6	1.90	± 10%	Dec.18,2025
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D5GHzV2	1349	5250	80.9	8.63	86.3	6.67	± 10%	Dec.19,2025
D5GHzV2	1349	5600	82.4	8.68	86.8	5.34	± 10%	Dec.19,2025
D5GHzV2	1349	5750	80.8	8.7	87	7.67	± 10%	Dec.19,2025
D5GHzV2	1349	5850	79.9	7.94	79.4	-0.63	± 10%	Dec.19,2025

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5 TEST CONFIGURATIONS

5.1 Test Environment

Ambient Temperature: $22 \pm 2^\circ \text{C}$

Tissue Simulating Liquid: $22 \pm 2^\circ \text{C}$

5.2 Test Note

- **General:** Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s).
- **General:** The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
- **General:** During the SAR testing, the DASY system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
- **General:** According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is $\leq 0.8 \text{ W/kg}$, when the transmission band is $\leq 100 \text{ MHz}$.
- **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is $\geq 0.8 \text{ W/kg}$, repeated that measurement once. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is $\geq 1.45 \text{ W/kg}$ ($\sim 10\%$ from the 1-g SAR limit).
- **WLAN 2.4GHz:** 802.11b DSSS SAR Test Requirements: SAR is measured for 2.4 GHz 802.11b DSSS mode using the highest measured maximum output power channel, when the reported SAR of the highest measured maximum output power channel for the exposure configuration is $\leq 0.8 \text{ W/kg}$, no further SAR testing is required for 802.11b DSSS in that exposure configuration. When the reported SAR is $> 0.8 \text{ W/kg}$, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is $> 1.2 \text{ W/kg}$, SAR is required for the third channel; i.e., all channels require testing.
- **WLAN 2.4GHz:** 802.11g/n OFDM SAR Test Exclusion Requirements: SAR is not required for 802.11g/n since the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is $\leq 1.2 \text{ W/kg}$.
- **WLAN 5GHz:** Initial Test Configuration: An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. When the reported SAR of the initial test configuration is $> 0.8 \text{ W/kg}$, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is $\leq 1.2 \text{ W/kg}$ or all required channels are tested. Since the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration

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specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for subsequent test configuration.

- **WLAN 5GHz:** Based on FCC guidance, general principles of KDB248227D01 can be applied to 802.11ax to determine initial test configuration with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency band.

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5.3 Test position

Laptop mode SAR test position (0mm)

For laptop PC, according to KDB 616217 D04, SAR evaluation is required for the bottom surface of the keyboard. This EUT was tested in the base of EUT directly against the flat phantom. The required minimum test separation distance for incorporating transmitters and antennas into laptop computer display is determined with the display screen opened at an angle of 90° to the keyboard compartment.

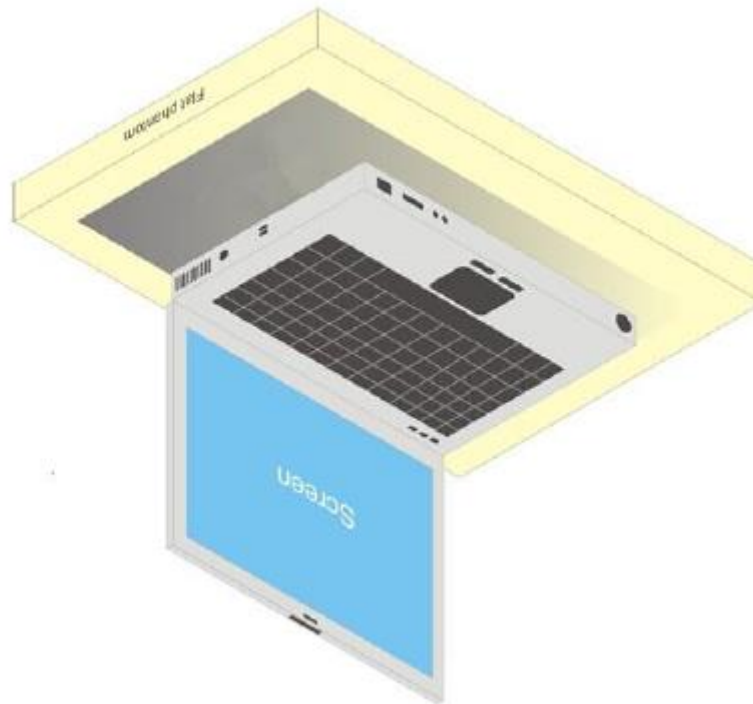


Illustration for Laptop Setup

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5.4 Test limit

§ 2.1093(d)(1)

Applications for equipment authorization of portable RF sources subject to routine environmental evaluation must contain a statement confirming compliance with the limits specified in § 1.1310 as part of their application. Technical information showing the basis for this statement must be submitted to the Commission upon request. The SAR limits specified in § 1.1310(a) through (c) of this chapter shall be used for evaluation of portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to § 1.1310(e)(1). A minimum separation distance applicable to the operating configurations and exposure conditions of the device shall be used for the evaluation. In general, maximum time-averaged power levels must be used for evaluation. All unlicensed personal communications service (PCS) devices and unlicensed NII devices shall be subject to the limits for general population/uncontrolled exposure.

Radiofrequency radiation exposure limits.

§ 1.1310(a)

Specific absorption rate (SAR) shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in § 1.1307(b) within the frequency range of 100 kHz to 6 GHz (inclusive).

§ 1.1310(b)

The SAR limits for occupational/controlled exposure are 0.4 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 8 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit for occupational/controlled exposure is 20 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 6 minutes to determine compliance with occupational/controlled SAR limits.

§ 1.1310(c)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 30 minutes to determine compliance with general population/uncontrolled SAR limits.

Note to paragraphs (a) through (c):

SAR is a measure of the rate of energy absorption due to exposure to RF electromagnetic energy. These SAR limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized SAR in Section 4.2 of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Section 17.4.5, copyright 1986 by NCRP, Bethesda, Maryland 20814. Limits for whole body SAR and peak spatial-average SAR are based

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on recommendations made in both of these documents. The MPE limits in Table 1 are based generally on criteria published by the NCRP in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3, copyright 1986 by NCRP, Bethesda, Maryland 20814. In the frequency range from 100 MHz to 1500 MHz, these MPE exposure limits for field strength and power density are also generally based on criteria recommended by the ANSI in [Section 4.1](#) of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017.

Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to [§ 1.1310\(e\)\(1\)](#).

According to ANSI/IEEE C95.1-1992, the criteria listed in the following Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

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Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) 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
(ii) 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.

Table 1 to § 1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

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6 MAXIMUM OUTPUT POWER

The measurement was performed and evaluated according to the worst case scenarios defined in the RF report.

6.1 WLAN

Ant Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	16.50	16.05
		6	2437		17.50	17.45
		11	2462		15.50	15.14
	802.11g	1	2412	6Mbps	15.50	15.11
		6	2437		17.50	17.32
		11	2462		16.00	15.73
	802.11n20-HT0	1	2412	MCS0	16.00	15.76
		6	2437		17.00	16.56
		11	2462		15.00	14.90
	802.11ax20-HE0	1	2412	MCS0	13.50	13.29
		6	2437		14.00	13.50
		11	2462		13.50	13.28
	802.11n40-HT0	3	2422	MCS0	15.50	15.15
		6	2437		16.50	16.39
		9	2452		15.00	14.62
	802.11ax40-HE0	3	2422	MCS0	13.50	13.41
		6	2437		13.50	13.25
		9	2452		14.00	13.51

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	13.00	12.90
		40	5200		13.00	12.87
		44	5220		13.00	12.82
		48	5240		13.00	12.88
	802.11n20-HT0	36	5180	MCS0	13.00	12.78
		40	5200		13.00	12.88
		44	5220		13.00	12.82
		48	5240		13.00	12.72
	802.11ac20-VHT0	36	5180	MCS0	13.00	12.79
		40	5200		13.00	12.84
		44	5220		13.00	12.74
		48	5240		13.00	12.86
	802.11ax20-HE0	36	5180	MCS0	12.50	12.32
		40	5200		13.00	12.87
		44	5220		13.00	12.77
		48	5240		13.00	12.89
	802.11n40-HT0	38	5190	MCS0	13.00	12.77
		46	5230		13.00	12.71
	802.11ac40-VHT0	38	5190	MCS0	13.00	12.72
		46	5230		13.00	12.80
	802.11ax40-HE0	38	5190	MCS0	13.00	12.78
		46	5230		13.00	12.79
	802.11ac80-VHT0	42	5210	MCS0	13.00	12.91
	802.11ax80-HE0	42	5210	MCS0	13.00	12.88

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	13.00	12.71
		56	5280		13.00	12.76
		60	5300		13.00	12.90
		64	5320		13.00	12.75
	802.11n20-HT0	52	5260	MCS0	13.00	12.81
		56	5280		13.00	12.75
		60	5300		13.00	12.75
		64	5320		13.00	12.72
	802.11ac20-VHT0	52	5260	MCS0	13.00	12.78
		56	5280		13.00	12.72
		60	5300		13.00	12.75
		64	5320		13.00	12.89
	802.11ax20-HE0	52	5260	MCS0	13.00	12.87
		56	5280		13.00	12.76
		60	5300		13.00	12.78
		64	5320		13.00	12.78
	802.11n40-HT0	54	5270	MCS0	13.00	12.72
		62	5310		13.00	12.90
	802.11ac40-VHT0	54	5270	MCS0	13.00	12.82
		62	5310		13.00	12.76
	802.11ax40-HE0	54	5270	MCS0	13.00	12.91
		62	5310		13.00	12.79
	802.11ac80-VHT0	58	5290	MCS0	13.00	12.92
	802.11ax80-HE0	58	5290	MCS0	13.00	12.83

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5.6GHz	802.11a	100	5500	6Mbps	13.00	12.85
		120	5600		13.00	12.80
		140	5700		13.00	12.78
	802.11n20-HT0	100	5500	MCS0	13.00	12.78
		120	5600		13.00	12.88
		140	5700		13.00	12.76
	802.11ac20-VHT0	100	5500	MCS0	13.00	12.81
		120	5600		13.00	12.79
		140	5700		13.00	12.93
	802.11ax20-HE0	100	5500	MCS0	13.00	12.88
		120	5600		13.00	12.84
		140	5700		13.00	12.88
	802.11n40-HT0	102	5510	MCS0	13.00	12.95
		118	5590		13.00	12.77
		134	5670		13.00	12.83
	802.11ac40-VHT0	102	5510	MCS0	13.00	12.94
		118	5590		13.00	12.87
		134	5670		13.00	12.87
	802.11ax40-HE0	102	5510	MCS0	13.00	12.78
		118	5590		13.00	12.77
		134	5670		13.00	12.77
	802.11ac80-VHT0	106	5530	MCS0	13.00	12.98
		122	5610		13.00	12.92
	802.11ax80-HE0	106	5530	MCS0	13.00	12.79
		122	5610		13.00	12.90

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	13.00	12.75
		157	5785		13.00	12.89
		165	5825		13.00	12.87
	802.11n20-HT0	149	5745	MCS0	13.00	12.86
		157	5785		13.00	12.81
		165	5825		13.00	12.75
	802.11ac20-VHT0	149	5745	MCS0	13.00	12.93
		157	5785		13.00	12.83
		165	5825		13.00	12.82
	802.11ax20-HE0	149	5745	MCS0	13.00	12.84
		157	5785		13.00	12.89
		165	5825		13.00	12.77
	802.11n40-HT0	151	5755	MCS0	13.00	12.79
		159	5795		13.00	12.91
	802.11ac40-VHT0	151	5755	MCS0	13.00	12.88
		159	5795		13.00	12.84
	802.11ax40-HE0	151	5755	MCS0	13.00	12.91
		159	5795		13.00	12.79
	802.11ac80-VHT0	155	5775	MCS0	13.00	12.95
	802.11ax80-HE0	155	5775	MCS0	13.00	12.69
Ant Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	16.50	16.18
		6	2437		18.00	17.82
		11	2462		15.50	15.23
	802.11g	1	2412	6Mbps	15.50	15.20
		6	2437		18.00	17.67
		11	2462		16.00	15.78
	802.11n20-HT0	1	2412	MCS0	16.00	15.87
		6	2437		17.00	16.77
		11	2462		15.00	14.94
	802.11ax20-HE0	1	2412	MCS0	13.50	13.33
		6	2437		13.50	13.01
		11	2462		13.00	12.93
	802.11n40-HT0	3	2422	MCS0	15.50	15.33
		6	2437		17.50	17.06
		9	2452		15.00	14.69
	802.11ax40-HE0	3	2422	MCS0	12.50	12.36
		6	2437		12.50	12.22
		9	2452		13.00	12.53

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	14.50	14.16
		40	5200		14.50	14.27
		44	5220		14.50	14.30
		48	5240		14.50	14.20
	802.11n20-HT0	36	5180	MCS0	14.50	14.14
		40	5200		14.50	14.26
		44	5220		14.50	14.14
		48	5240		14.50	14.15
	802.11ac20-VHT0	36	5180	MCS0	14.50	14.27
		40	5200		14.50	14.24
		44	5220		14.50	14.23
		48	5240		14.50	14.18
	802.11ax20-HE0	36	5180	MCS0	13.50	13.14
		40	5200		13.50	13.24
		44	5220		13.50	13.22
		48	5240		13.50	13.27
	802.11n40-HT0	38	5190	MCS0	14.50	14.25
		46	5230		14.50	14.31
	802.11ac40-VHT0	38	5190	MCS0	14.50	14.23
		46	5230		14.50	14.16
	802.11ax40-HE0	38	5190	MCS0	14.00	13.70
		46	5230		13.50	13.27
	802.11ac80-VHT0	42	5210	MCS0	14.50	14.32
	802.11ax80-HE0	42	5210	MCS0	13.50	13.18

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5.25-5.35 GHz	802.11a	52	5260	6Mbps	14.50	14.31
		56	5280		14.50	14.39
		60	5300		14.50	14.35
		64	5320		14.50	14.38
	802.11n20-HT0	52	5260	MCS0	14.50	14.32
		56	5280		14.50	14.40
		60	5300		14.50	14.37
		64	5320		14.50	14.34
	802.11ac20-VHT0	52	5260	MCS0	14.50	14.45
		56	5280		14.50	14.28
		60	5300		14.50	14.33
		64	5320		14.50	14.35
	802.11ax20-HE0	52	5260	MCS0	14.00	13.93
		56	5280		14.00	13.79
		60	5300		14.00	13.81
		64	5320		13.50	13.44
	802.11n40-HT0	54	5270	MCS0	14.50	14.29
		62	5310		14.50	14.39
	802.11ac40-VHT0	54	5270	MCS0	14.50	14.40
		62	5310		14.50	14.41
	802.11ax40-HE0	54	5270	MCS0	13.50	13.40
		62	5310		14.00	13.89
	802.11ac80-VHT0	58	5290	MCS0	14.50	14.49
	802.11ax80-HE0	58	5290	MCS0	14.00	13.89

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5.6GHz	802.11a	100	5500	6Mbps	14.50	14.28
		120	5600		14.50	14.35
		140	5700		14.50	14.25
	802.11n20-HT0	100	5500	MCS0	14.50	14.30
		120	5600		14.50	14.29
		140	5700		14.50	14.42
	802.11ac20-VHT0	100	5500	MCS0	14.50	14.35
		120	5600		14.50	14.37
		140	5700		14.50	14.33
	802.11ax20-HE0	100	5500	MCS0	13.00	12.91
		120	5600		13.00	12.80
		140	5700		14.00	13.76
	802.11n40-HT0	102	5510	MCS0	14.50	14.37
		118	5590		14.50	14.35
		134	5670		14.50	14.44
	802.11ac40-VHT0	102	5510	MCS0	14.50	14.41
		118	5590		14.50	14.33
		134	5670		14.50	14.42
	802.11ax40-HE0	102	5510	MCS0	13.00	12.85
		118	5590		13.50	13.40
		134	5670		13.50	13.38
	802.11ac80-VHT0	106	5530	MCS0	14.50	14.45
		122	5610		14.50	14.36
	802.11ax80-HE0	106	5530	MCS0	13.50	13.27
		122	5610		13.50	13.35

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Ant Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	14.50	14.33
		157	5785		14.50	14.28
		165	5825		14.50	14.37
	802.11n20-HT0	149	5745	MCS0	14.50	14.43
		157	5785		14.50	14.37
		165	5825		14.50	14.31
	802.11ac20-VHT0	149	5745	MCS0	14.50	14.29
		157	5785		14.50	14.43
		165	5825		14.50	14.30
	802.11ax20-HE0	149	5745	MCS0	14.00	13.82
		157	5785		13.50	13.31
		165	5825		13.50	13.25
	802.11n40-HT0	151	5755	MCS0	14.50	14.39
		159	5795		14.50	14.29
	802.11ac40-VHT0	151	5755	MCS0	14.50	14.34
		159	5795		14.50	14.42
	802.11ax40-HE0	151	5755	MCS0	13.50	13.27
		159	5795		14.00	13.92
	802.11ac80-VHT0	155	5775	MCS0	14.50	14.44
	802.11ax80-HE0	155	5775	MCS0	14.00	13.92

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6.2 Bluetooth

MAIN

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
BR/EDR	CH 00	2402	5.00	4.33	4.50	4.23	5.50	4.66
	CH 39	2441		4.37		4.15		5.11
	CH 78	2480		3.46		3.26		3.76

AUX

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
BR/EDR	CH 00	2402	5.50	4.65	5.50	4.15	6.00	5.15
	CH 39	2441		5.11		5.12		5.55
	CH 78	2480		3.52		3.41		4.32

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6.3 BLE

MAIN

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_1M	CH 00	2402	4.5	4.18
	CH 19	2440		4.13
	CH 39	2480		4.18
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_2M	CH 00	2402	5	4.58
	CH 19	2440		4.65
	CH 39	2480		4.80

AUX

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_1M	CH 00	2402	5	4.68
	CH 19	2440		4.99
	CH 39	2480		3.81
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_2M	CH 00	2402	6	5.40
	CH 19	2440		5.49
	CH 39	2480		5.51

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7 SUMMARY OF RESULTS

7.1 Decision rules

Reported measurement data comply with Test Methodology in section 1.1.

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

7.2 Summary of SAR Results

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Ant Main	Bottom Surface	0	1	2412	16.50	16.05	1.01	110.92%	1.070	1.193	001
WLAN 802.11b	Ant Main	Bottom Surface	0	6	2437	17.50	17.45	1.01	101.16%	0.963	0.979	-
WLAN 802.11b	Ant Main	Bottom Surface	0	11	2462	15.50	15.14	1.01	108.64%	0.982	1.072	-
WLAN 802.11b	Ant Main	Bottom Surface	0	1	2412	16.50	16.05	1.01	110.92%	1.020	1.137	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
Bluetooth(3M)	Ant Main	Bottom Surface	0	00	2402	5.50	4.66	1.00	121.34%	0.041	0.050	-
Bluetooth(3M)	Ant Main	Bottom Surface	0	19	2440	5.50	5.11	1.00	109.40%	0.063	0.069	002
Bluetooth(3M)	Ant Main	Bottom Surface	0	39	2480	5.50	3.76	1.00	149.28%	0.045	0.067	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.2G	Ant Main	Bottom Surface	0	42	5210	13.00	12.91	1.12	102.09%	0.451	0.515	003
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.3G	Ant Main	Bottom Surface	0	58	5290	13.00	12.92	1.12	101.86%	0.462	0.527	004
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Ant Main	Bottom Surface	0	106	5530	13.00	12.98	1.12	100.46%	0.517	0.581	005
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.8G	Ant Main	Bottom Surface	0	155	5775	13.00	12.95	1.12	101.16%	0.604	0.684	006
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Ant Aux	Bottom Surface	0	1	2412	16.50	16.18	1.01	107.65%	0.985	1.066	007
WLAN 802.11b	Ant Aux	Bottom Surface	0	6	2437	18.00	17.82	1.01	104.23%	0.966	1.012	-
WLAN 802.11b	Ant Aux	Bottom Surface	0	11	2462	15.50	15.23	1.01	106.41%	0.943	1.009	-
WLAN 802.11b	Ant Aux	Bottom Surface	0	1	2412	16.50	16.18	1.01	107.65%	0.971	1.050	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
Bluetooth(3M)	Ant Aux	Bottom Surface	0	00	2402	6.00	5.15	1.00	121.62%	0.045	0.055	-
Bluetooth(3M)	Ant Aux	Bottom Surface	0	19	2440	6.00	5.55	1.00	110.92%	0.058	0.064	008
Bluetooth(3M)	Ant Aux	Bottom Surface	0	39	2480	6.00	4.32	1.00	147.23%	0.039	0.057	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.2G	Ant Aux	Bottom Surface	0	42	5210	14.50	14.32	1.12	104.23%	0.736	0.858	009
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.3G	Ant Aux	Bottom Surface	0	58	5290	14.50	14.49	1.12	100.23%	0.839	0.941	010
WLAN 802.11ac(80M) 5.3G	Ant Aux	Bottom Surface	0	58	5290	14.50	14.49	1.12	100.23%	0.811	0.910	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Ant Aux	Bottom Surface	0	106	5530	14.50	14.45	1.12	101.16%	0.777	0.880	011
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.8G	Ant Aux	Bottom Surface	0	155	5775	14.50	14.44	1.12	101.39%	0.802	0.910	012
WLAN 802.11ac(80M) 5.8G	Ant Aux	Bottom Surface	0	155	5775	14.50	14.44	1.12	101.39%	0.791	0.897	-

Note:

Reported SAR = measured SAR * Power scaling * Duty cycle scaling

7.3 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

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7.4 Conclusion

The device is compliant because all the standalone results are less than their corresponding criteria.

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8 SIMULTANEOUS TRANSMISSION ANALYSIS

8.1 Simultaneous Transmission Scenarios:

Simultaneous Transmission configurations
WLAN 2.4GHz Main + BT Aux
WLAN 2.4GHz Aux + BT Main
WLAN 5GHz Main + BT Aux
WLAN 5GHz Aux + BT Main

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8.2 Estimated SAR calculation

According to KDB447498 D01v06 – When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$$\text{Estimated SAR} = \frac{\text{Max. tune up power (mW)}}{\text{Min. test separation distance(mm)}} \times \frac{\sqrt{f(\text{GHz})}}{7.5}$$

If the minimum test separation distance is < 5mm, a distance of 5mm is used for estimated SAR calculation. When the test separation distance is >50mm, the 0.4W/kg is used for SAR-1g.

8.3 SPLSR evaluation and analysis

Per KDB447498D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR sum to peak location separation ratio(SPLSR).

The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion.

The ratio is determined by $(\text{SAR1} + \text{SAR2})^{1.5}/R_i$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

SAR1 and SAR2 are the highest reported or estimated SAR for each antenna in the pair, and R_i is the separation distance between the peak SAR locations for the antenna pair in mm.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna.

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Simultaneous Transmission Combination

Exposure Position		Reported SAR						Scenario 1	Scenario 2	Scenario 3	Scenario 4
		2	3	4	5	6	7	2+7	4+7	3+6	5+6
		2.4GHz WLAN Ant Main	2.4GHz WLAN Ant Aux	5GHz WLAN Ant Main	5GHz WLAN Ant Aux	Bluetooth Ant Main	Bluetooth Ant Aux	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Bottom Surface	0	1.204	1.066	0.684	0.941	0.069	0.064	1.268	0.748	1.135	1.010

8.4 Conclusion

The simultaneous transmission is compliant because both SAR sum and/or SPLSR are less than their corresponding criteria.

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9 INSTRUMENTS LIST

Equipment List					
Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Data acquisition Electronics	DAE4	1260	Sep/28/2025	Sep/27/2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7642	Feb/19/2025	Feb/18/2026
SPEAG	System Validation Dipole	D2450V2	727	Apr/15/2025	Apr/14/2026
SPEAG	System Validation Dipole	D5GHzV2	1349	Mar/19/2024	Mar/18/2027
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/17/2025	Feb/16/2026
Agilent	MXG Analog Signal Generator	N5181A	MY50144143	Apr/24/2025	Apr/23/2026
R&S	MXG Analog Signal Generator	SMB100A03	182012	Aug/09/2025	Aug/08/2026
Agilent	Dual-directional coupler	772D	MY46151258	Oct/08/2025	Oct/07/2026
Agilent	Dual-directional coupler	778D	MY46151242	Sep/09/2025	Sep/08/2026
EMCI	Amplifier	ZHL-42	980189	Calibration not required	Calibration not required
EMCI	Amplifier	ZVE-8G	980190	Calibration not required	Calibration not required
R&S	Power Sensor	NRP18S	101973	Feb/21/2025	Feb/20/2026
R&S	Power Meter	NRX	102191	Feb/21/2025	Feb/20/2026
R&S	Power Sensor	NRP50S	101770	Jun/26/2025	Jun/25/2026
SPEAG	Software	DASY 8 V16.0.2.83	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
LKM	Digital thermometer	DTM3000	3896	Dec/26/2024	Dec/25/2025
TECPEL	Digital thermometer	DTM-303A	TP130077	Oct/03/2025	Oct/02/2026

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10 UNCERTAINTY BUDGET

Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	0.74%	N	1	1	0.64	0.43	0.47%	0.32%	M
Liquid Conductivity (mea.)	1.23%	N	1	1	0.6	0.49	0.74%	0.60%	M
Combined standard uncertainty		RSS					11.75%	11.73%	
Expan uncertainty (95% confidence interval), K=2							23.50%	23.45%	

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Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
<i>Isotropy , Axial</i>	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	3.18%	N	1	1	0.64	0.43	2.04%	1.37%	M
Liquid Conductivity (mea.)	4.98%	N	1	1	0.6	0.49	2.99%	2.44%	M
Combined standard uncertainty		RSS					11.98%	11.75%	
Expant uncertainty (95% confidence interval), K=2							23.95%	23.49%	

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11 SAR MEASUREMENT RESULTS

ID: 001

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11b_Body_Bottom Surface_CH 1_0mm_Ant Main

Ambient temperature: 23.5°C; Liquid temperature: 22.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	2412.000, 1	7.6	1.855	40.368

Hardware Setup

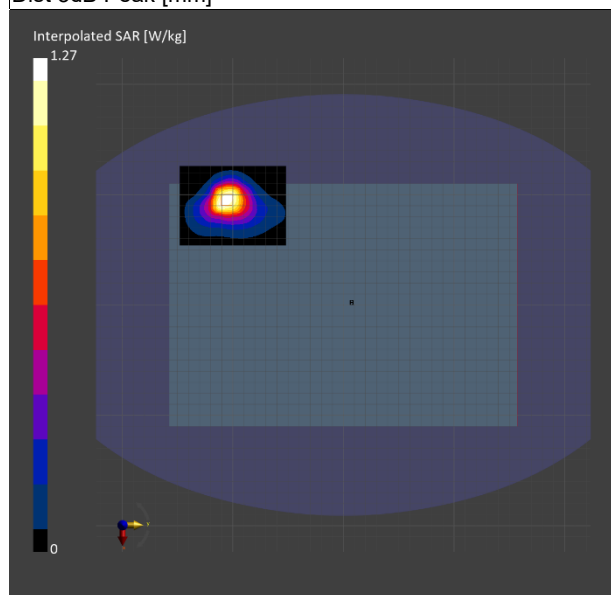
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 84.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-18	2025-12-18
psSAR1g [W/kg]	1.03	1.07
psSAR8g [W/kg]	0.576	0.587
psSAR10g [W/kg]	0.507	0.537
Power Drift [dB]	-0.03	0.01
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		10.9



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ID: 002

Report No. :TESA2512000957E5

Measurement Report_Bluetooth(3M)_Body_Bottom Surface_CH39_0mm_Ant Main

Ambient temperature: 23.5°C; Liquid temperature: 22.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	2441.000,39	7.6	1.880	40.316

Hardware Setup

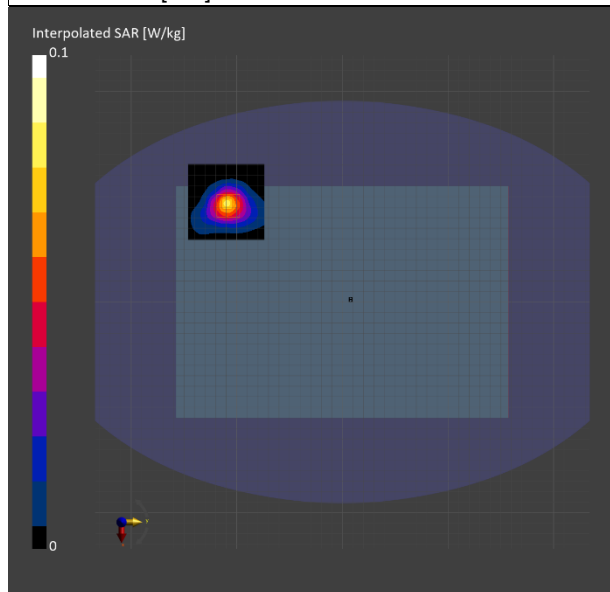
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 72.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-18	2025-12-18
psSAR1g [W/kg]	0.061	0.063
psSAR8g [W/kg]	0.033	0.034
psSAR10g [W/kg]	0.030	0.031
Power Drift [dB]	-0.01	0.01
M2/M1 [%]		51.1
Dist 3dB Peak [mm]		11.2



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ID: 003

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11ac(80M) 5.2G_Body_Bottom Surface_CH 42_0mm_Ant Main

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	5210.000, 42	5.82	4.833	37.074

Hardware Setup

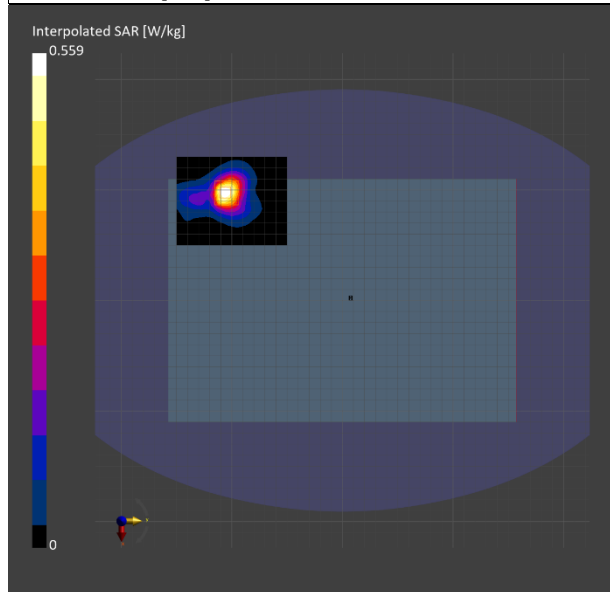
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	0.414	0.451
psSAR8g [W/kg]	0.177	0.190
psSAR10g [W/kg]	0.158	0.169
Power Drift [dB]	0.01	0.02
M2/M1 [%]		52.8
Dist 3dB Peak [mm]		9.6



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ID: 004

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11ac(80M) 5.3G_Body_Bottom Surface_CH 58_0mm_Ant Main

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	5290.000, 58	5.82	4.918	36.983

Hardware Setup

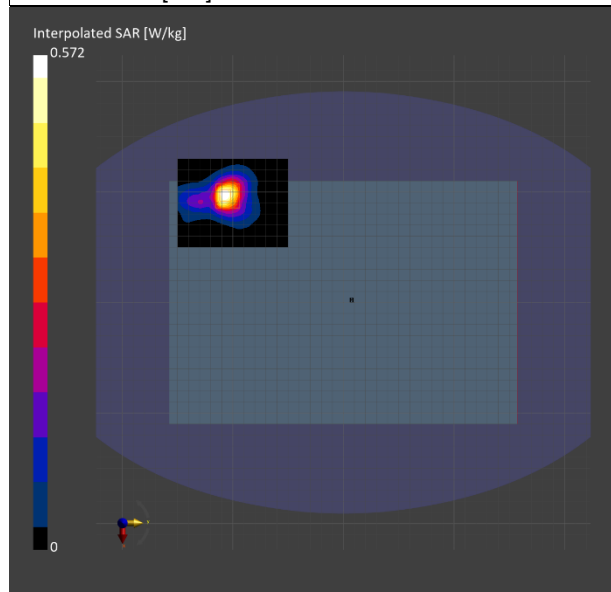
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	0.421	0.462
psSAR8g [W/kg]	0.177	0.191
psSAR10g [W/kg]	0.158	0.170
Power Drift [dB]	0.03	-0.02
M2/M1 [%]		51.7
Dist 3dB Peak [mm]		9.7



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ID: 005

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Bottom Surface_CH 106_0mm_Ant Main

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	5530.000, 106	5.44	5.173	36.709

Hardware Setup

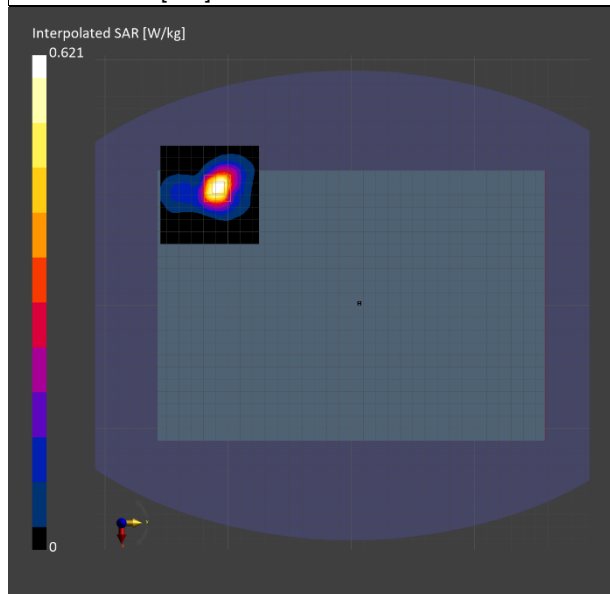
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 70.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	0.464	0.517
psSAR8g [W/kg]	0.192	0.210
psSAR10g [W/kg]	0.170	0.186
Power Drift [dB]	-0.01	-0.01
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		9.2



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ID: 006

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11ac(80M) 5.8G_Body_Bottom Surface_CH 155_0mm_Ant Main

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	5775.000, 155	5.46	5.431	36.429

Hardware Setup

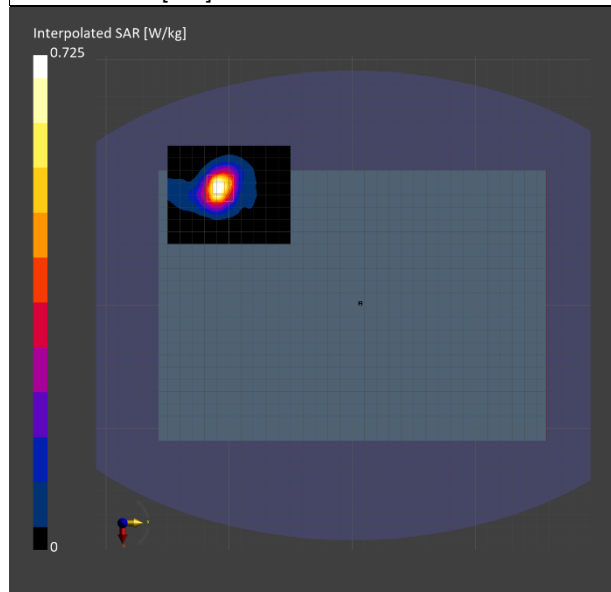
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	0.536	0.604
psSAR8g [W/kg]	0.214	0.242
psSAR10g [W/kg]	0.190	0.213
Power Drift [dB]	-0.01	-0.01
M2/M1 [%]		58.4
Dist 3dB Peak [mm]		9.4



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ID: 007

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11b_Body_Bottom Surface_CH 1_0mm_Ant Aux

Ambient temperature: 23.5°C; Liquid temperature: 22.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	2412.000, 1	7.6	1.855	40.368

Hardware Setup

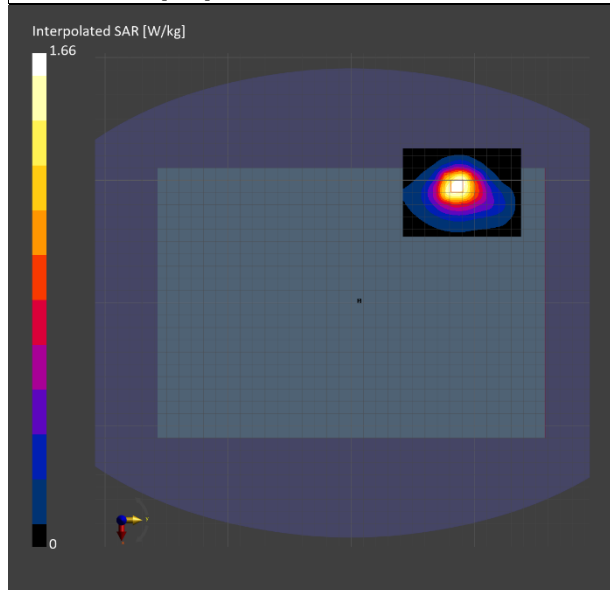
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 84.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-18	2025-12-18
psSAR1g [W/kg]	0.937	0.985
psSAR8g [W/kg]	0.529	0.538
psSAR10g [W/kg]	0.484	0.493
Power Drift [dB]	0.00	0.00
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		10.7



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ID: 008

Report No. :TESA2512000957E5

Measurement Report_Bluetooth(3M)_Body_Bottom Surface_CH39_0mm_Ant Aux

Ambient temperature: 23.5°C; Liquid temperature: 22.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	2441.000,39	7.6	1.880	40.316

Hardware Setup

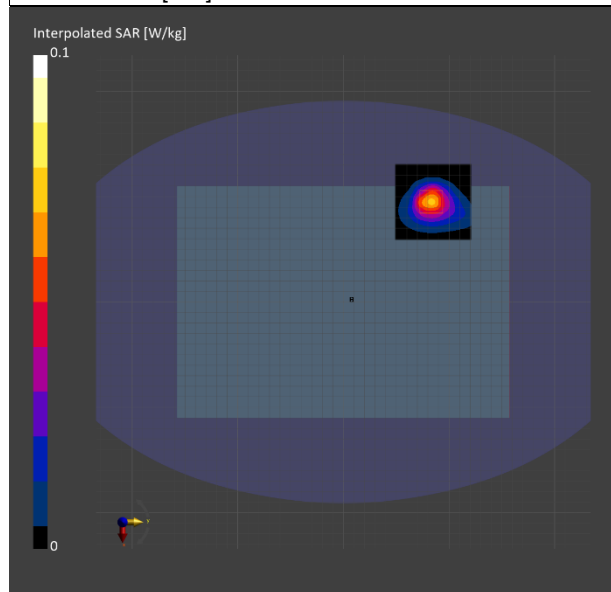
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 72.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-18	2025-12-18
psSAR1g [W/kg]	0.055	0.058
psSAR8g [W/kg]	0.031	0.032
psSAR10g [W/kg]	0.028	0.029
Power Drift [dB]	0.01	-0.01
M2/M1 [%]		51.2
Dist 3dB Peak [mm]		10.3



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ID: 009

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11ac(80M) 5.2G_Body_Bottom Surface_CH 42_0mm_Ant Aux

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	5210.000, 42	5.82	4.833	37.074

Hardware Setup

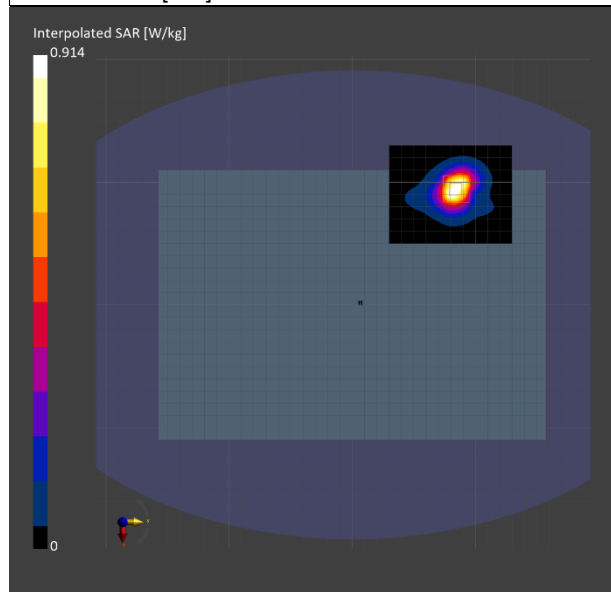
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	0.674	0.736
psSAR8g [W/kg]	0.288	0.309
psSAR10g [W/kg]	0.256	0.274
Power Drift [dB]	-0.01	-0.01
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		10.2



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ID: 010

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11ac(80M) 5.3G_Body_Bottom Surface_CH 58_0mm_Ant Aux

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	5290.000, 58	5.82	4.918	36.983

Hardware Setup

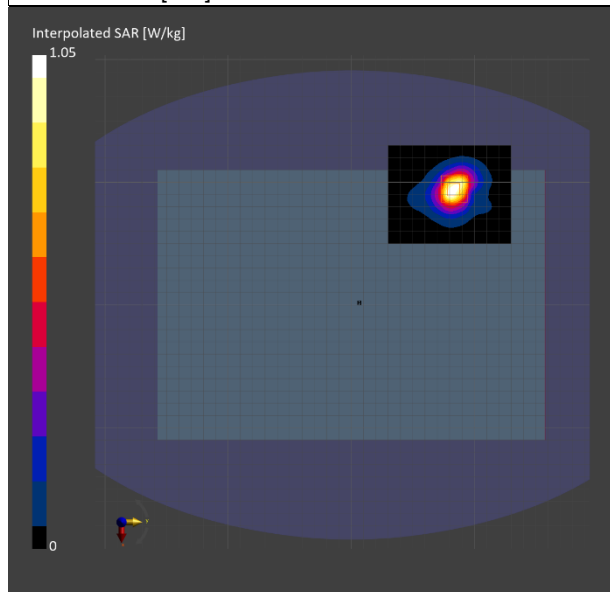
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	0.767	0.839
psSAR8g [W/kg]	0.326	0.352
psSAR10g [W/kg]	0.289	0.312
Power Drift [dB]	0.01	0.01
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		9.8



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ID: 011

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Bottom Surface_CH 106_0mm_Ant Aux

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	5530.000, 106	5.44	5.173	36.709

Hardware Setup

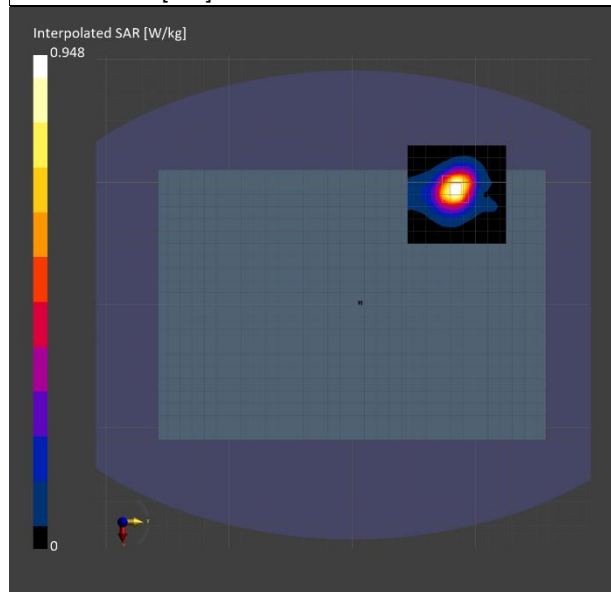
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 70.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	0.706	0.777
psSAR8g [W/kg]	0.297	0.324
psSAR10g [W/kg]	0.264	0.289
Power Drift [dB]	-0.01	0.02
M2/M1 [%]		59.9
Dist 3dB Peak [mm]		10.1



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ID: 012

Report No. :TESA2512000957E5

Measurement Report_WLAN 802.11ac(80M) 5.8G_Body_Bottom Surface_CH 155_0mm_Ant Aux

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Surface, 0.00	5775.000, 155	5.46	5.431	36.249

Hardware Setup

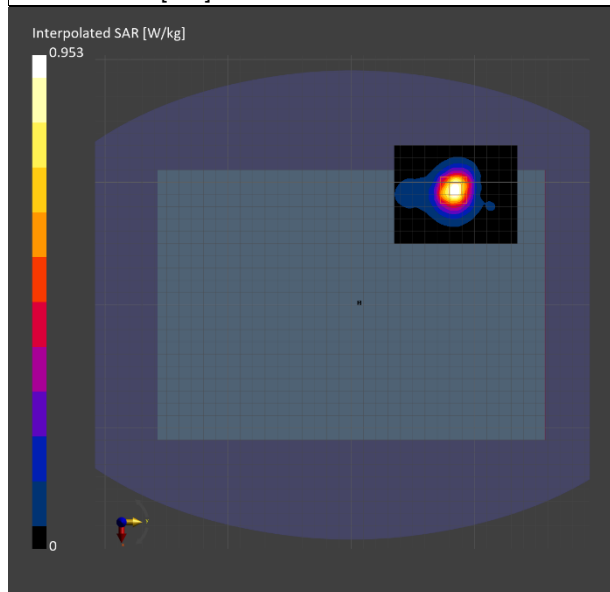
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	0.711	0.802
psSAR8g [W/kg]	0.291	0.324
psSAR10g [W/kg]	0.259	0.288
Power Drift [dB]	-0.01	0.02
M2/M1 [%]		67.5
Dist 3dB Peak [mm]		10.2



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12 SAR SYSTEM CHECK RESULTS

Report No. :TESA2512000957E5

Measurement Report

Dipole_2450-SN:727

Ambient temperature: 23.5°C; Liquid temperature: 22.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	7.6	1.888	40.300

Hardware Setup

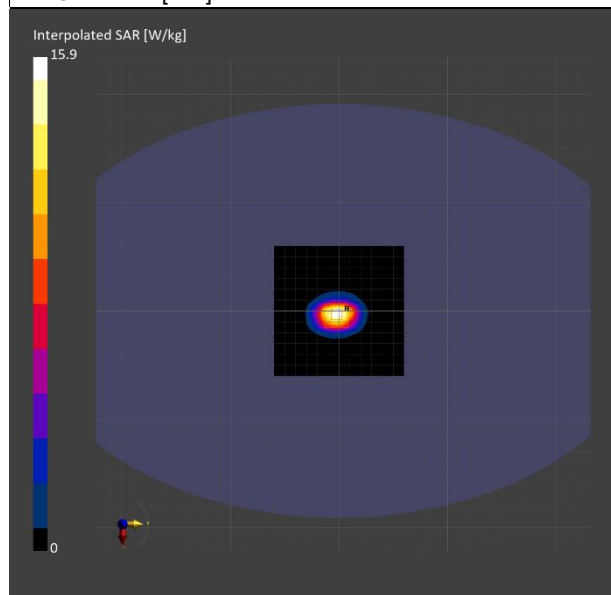
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-18	2025-12-18
psSAR1g [W/kg]	12.5	13.4
psSAR8g [W/kg]	6.67	6.97
psSAR10g [W/kg]	6.05	6.33
Power Drift [dB]	-0.01	-0.00
M2/M1 [%]		62.1
Dist 3dB Peak [mm]		8.1



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Report No. :TESA2512000957E5

Measurement Report

Dipole_5250-SN:1349

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5.82	4.876	37.029

Hardware Setup

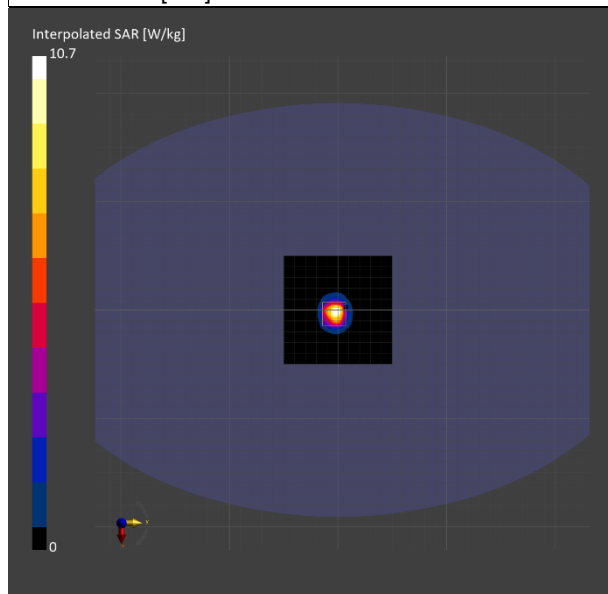
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	7.30	8.63
psSAR8g [W/kg]	2.62	2.86
psSAR10g [W/kg]	2.27	2.42
Power Drift [dB]	-0.02	-0.01
M2/M1 [%]		63.3
Dist 3dB Peak [mm]		7.9



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Report No. :TESA2512000957E5

Measurement Report

Dipole_5600-SN:1349

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5.44	5.247	36.629

Hardware Setup

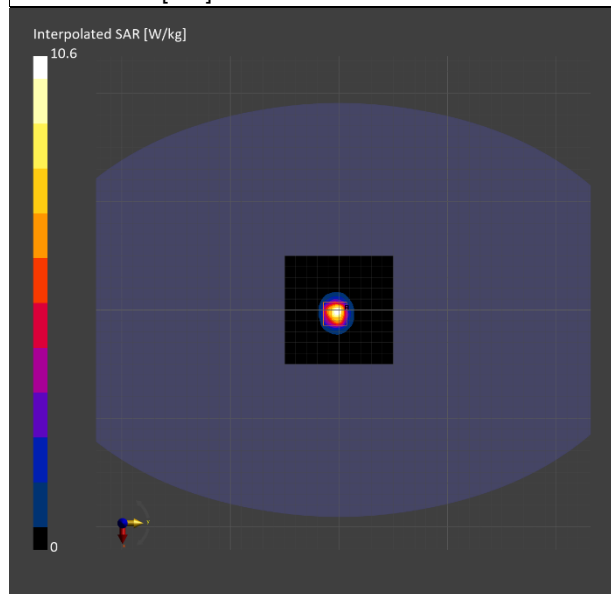
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	7.32	8.68
psSAR8g [W/kg]	2.62	2.87
psSAR10g [W/kg]	2.26	2.44
Power Drift [dB]	-0.01	0.02
M2/M1 [%]		63.1
Dist 3dB Peak [mm]		7.6



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Report No. :TESA2512000957E5

Measurement Report

Dipole_5750-SN:1349

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5.46	5.405	36.457

Hardware Setup

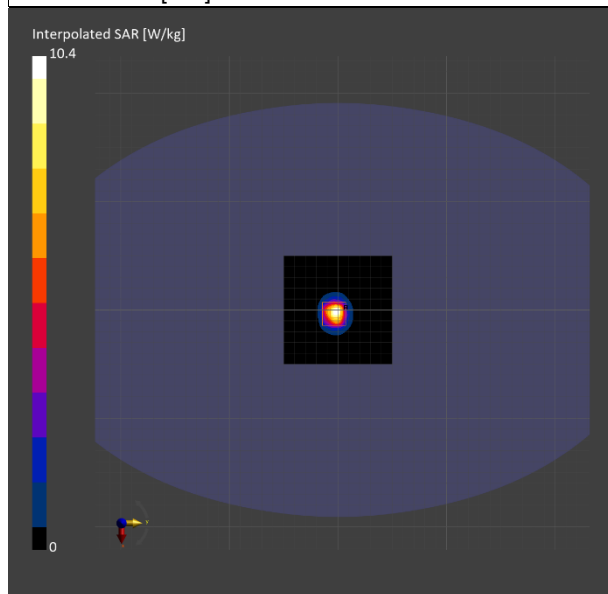
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	7.28	8.70
psSAR8g [W/kg]	2.60	2.85
psSAR10g [W/kg]	2.25	2.41
Power Drift [dB]	-0.01	-0.02
M2/M1 [%]		68.2
Dist 3dB Peak [mm]		7.5



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Report No. :TESA2512000957E5

Measurement Report

Dipole_5850-SN:1349

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5.49	5.458	36.400

Hardware Setup

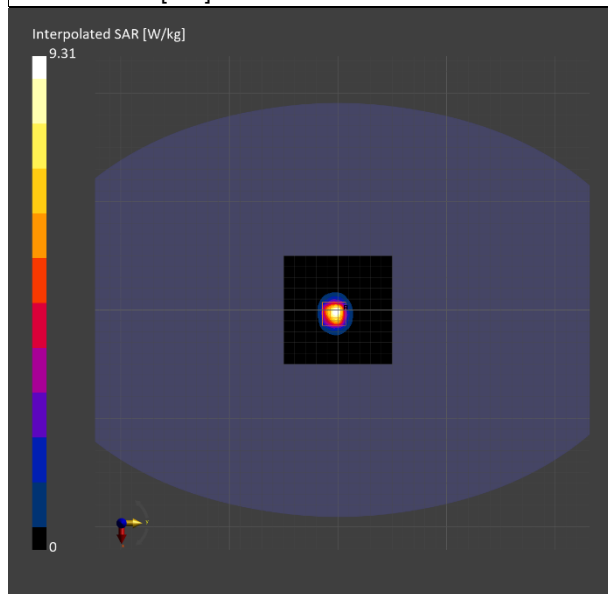
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-19	2025-12-19
psSAR1g [W/kg]	6.60	7.94
psSAR8g [W/kg]	2.36	2.62
psSAR10g [W/kg]	2.05	2.24
Power Drift [dB]	-0.01	0.01
M2/M1 [%]		59.9
Dist 3dB Peak [mm]		8.6



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13 APPENDIXES

Refer to separated files for the following appendixes.

- 13.1 SAR_Appendix A Photographs**
- 13.2 SAR_Appendix B DAE & Probe Cal. Certificate**
- 13.3 SAR_Appendix C Phantom Description & Dipole Cal. Certificate**
- 13.4 SAR_Appendix D Dipole Extended Calibration Verification**

- End of report -

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