

RF Exposure report



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

EUT Description	Wireless module installed in Notebook Computer
Brand Name	<i>acer</i>
Model No.	MT7925B14L
Host Model Number:	N26Q4
Applicant	Acer Incorporated 8F, 88, Sec. 1, Xintai 5th Rd. Xizhi, New Taipei City 221 Taiwan
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	HLZMT7925B14L
Date of EUT Receipt	Nov. 04, 2025
Date of Test(s)	Nov. 30, 2025 ~ Dec. 06, 2025
Date of Issue	Dec. 15, 2025

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
TESA2511000849E5	00	Initial creation of document	Dec. 15, 2025	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

IEC/IEEE 62209-1528:2020

SPEAG DASY6 System Handbook

SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)

IEC TR 63170:2018

IEC 62479:2010

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1.2 Description of EUT

EUT Description	Wireless module installed in Notebook Computer	
Brand Name		
Model No.	MT7925B14L	
Host Model Number:	N26Q4	
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/ac/ax/be	2.4GHz (2400.0 – 2483.5 MHz)
	802.11a/n/ac/ax/be	5.2GHz (5150.0 – 5250.0 MHz) 5.3GHz (5250.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz) 5.9GHz (5850.0 – 5895.0 MHz)
	802.11a/ax/be	6.2GHz (5925.0 – 6425.0 MHz) 6.5GHz (6425.0 – 6525.0 MHz) 6.7GHz (6525.0 – 6875.0 MHz) 7.0GHz (6875.0 – 7125.0 MHz)
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)

1.3 Maximum value

Summary of Maximum SAR and Power Density Value			
Mode	Highest SAR 1g (W/kg)	Highest APD (W/m ²)	Highest PD (W/m ²)
Bluetooth(GFSK)	0.05	N/A	N/A
2.4G WLAN	0.79	N/A	N/A
5G WLAN	1.05	N/A	N/A
6G WLAN	0.93	7.84	9.53

1.4 Antenna Information

Vendor	Wistron Neweb Corporation									
Antenna	Ant Main									
Part Number	81EACE15.G24(DQ6E15G2401)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Peak Gain (dBi)	2.62	2.17	2.37	1.69	2.67	2.67	2.31	2.27	1.62	2.38
Antenna	Ant Aux									
Part Number	81EACE15.G24(DQ6E15G2401)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Peak Gain (dBi)	1.81	2.40	1.95	2.02	1.87	1.87	2.93	0.75	2.59	2.48

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	Jay Lin	Tom Chiang	TW0028/ 200037	TW3702/ 4620E
		SAR 4	-	-		
	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.

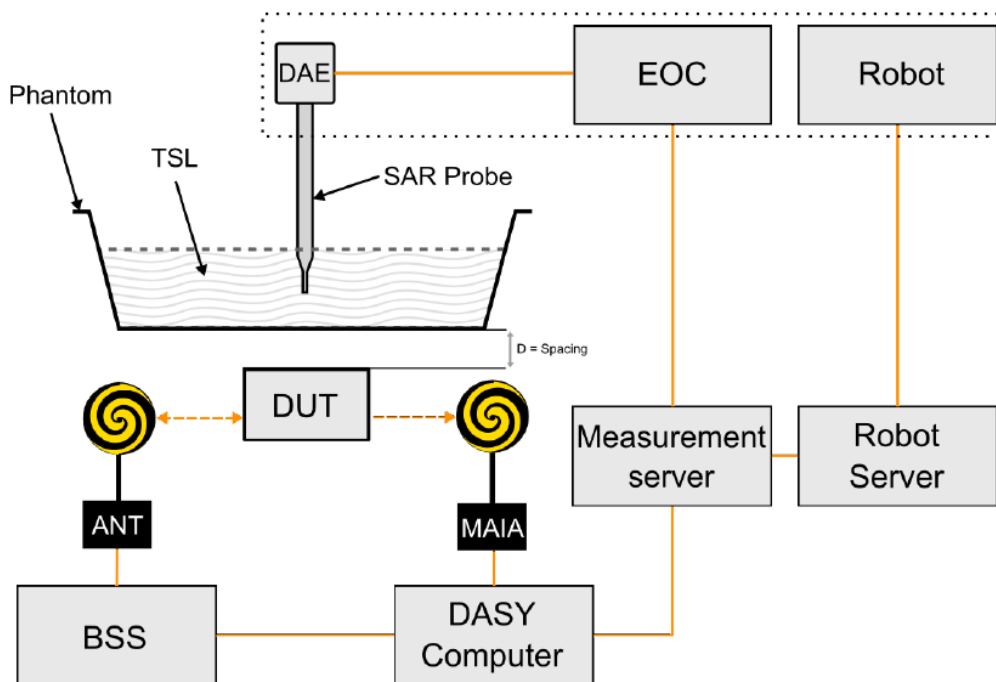
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2.2 SAR System

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 2450/5250/5600/5750/5850/6500/7000 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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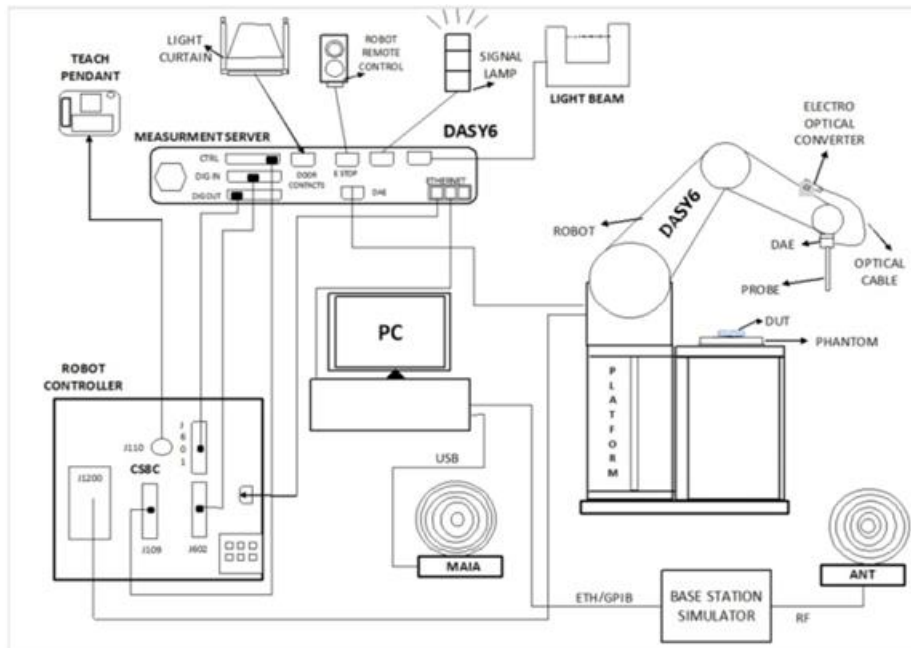
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2.3 PD system

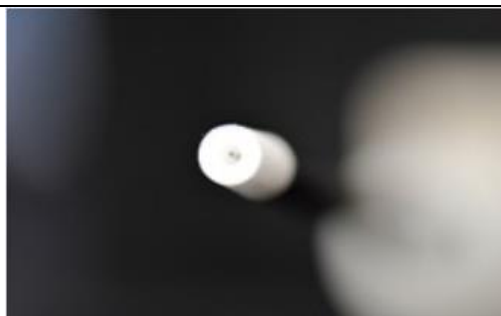
Block Diagram (DASY6)

Power density measurements for mmWave frequencies were performed using SPEAG DASY6 with cDASY6 5G module. The DASY6 included a high precision robotics system (Staubli), robot controller, desktop computer, near-field probe, probe alignment sensor, and the 5G phantom cover.



EUmmWVx probe

The EUmmWVx probe is based on the pseudo-vector probe design, which not only measures the field magnitude but also derives its polarization ellipse. The design entails two small 0.8mm dipole sensors mechanically protected by high-density foam, printed on both sides of a 0.9mm wide and 0.12mm thick glass substrate. The body of the probe is specifically constructed to minimize distortion by the scattered fields. The probe consist of two sensors with different angles (1 and 2) arranged in the same plane in the probe axis. Three or more measurements of the two sensors are taken for different probe rotational angles to derive the amplitude and polarization information. The probe design allows measurements at distances as small as 2mm from the sensors to the surface of the device under test (DUT). The typical sensor to probe tip distance is 1.5 mm. The exact distance is calibrated.



Two dipoles optimally arranged to obtain pseudo-vector information. Minimum 3 measurements/ point, 120° rotated around probe axis.

Sensors (0.8mm length) printed on glass substrate protected by high density foam. Low perturbation of the measured field. Requires positioner which can do accurate probe rotation.

Frequency Range

750 MHz – 110 GHz

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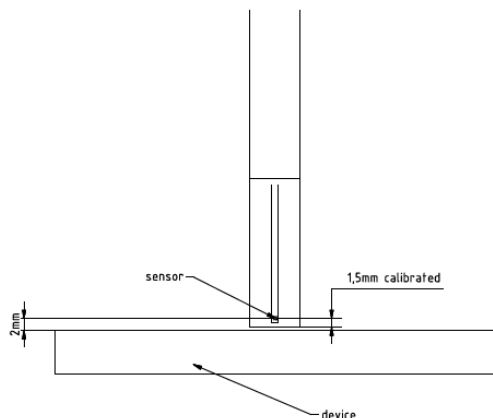
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Dynamic Range	< 20 V/m – 10,000 V/m with PRE-10 (min < 50 V/m - 3000 V/m)
Position Precision	< 0.2 mm (DASY6)
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: encapsulation 8 mm (internal sensor < 1mm) Distance from probe tip to dipole centers: < 2 mm. Sensor displacement to probe's calibration point: < 0.3 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 (cDASY6 5G module required)
Compatibility	cDASY6 + 5G-Module SW1.0 and higher



mmWave Phantom

The mmWave Phantom approximates free-space conditions, allowing for the evaluation of the antenna side of the device and the front (screen) side or any opposite-radiating side of wireless devices operating above 10 GHz without distorting the RF field. It consists of a 40mm thick Rohacell plate used as a test bed, which has a loss tangent ($\tan \delta$) ≤ 0.05 and a relative permittivity (ϵ_r) ≤ 1.2 . High-performance RF absorbers are placed below the foam.

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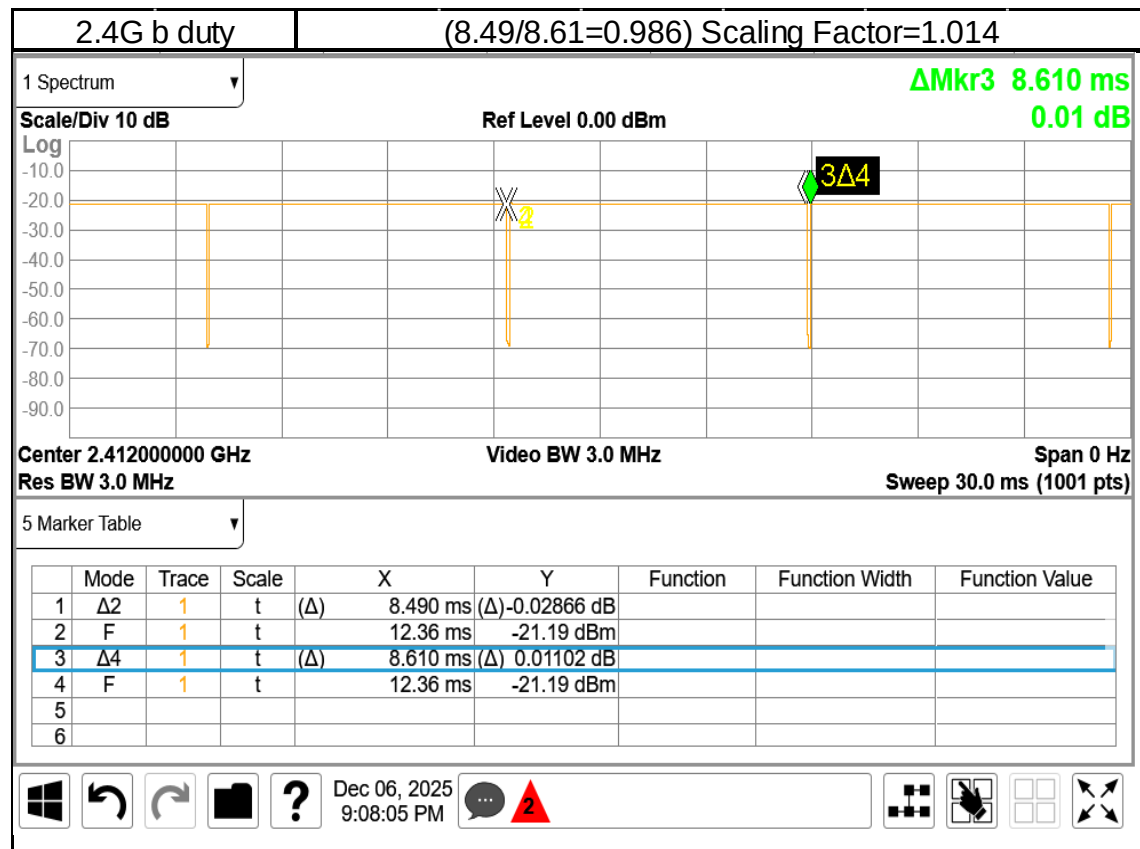
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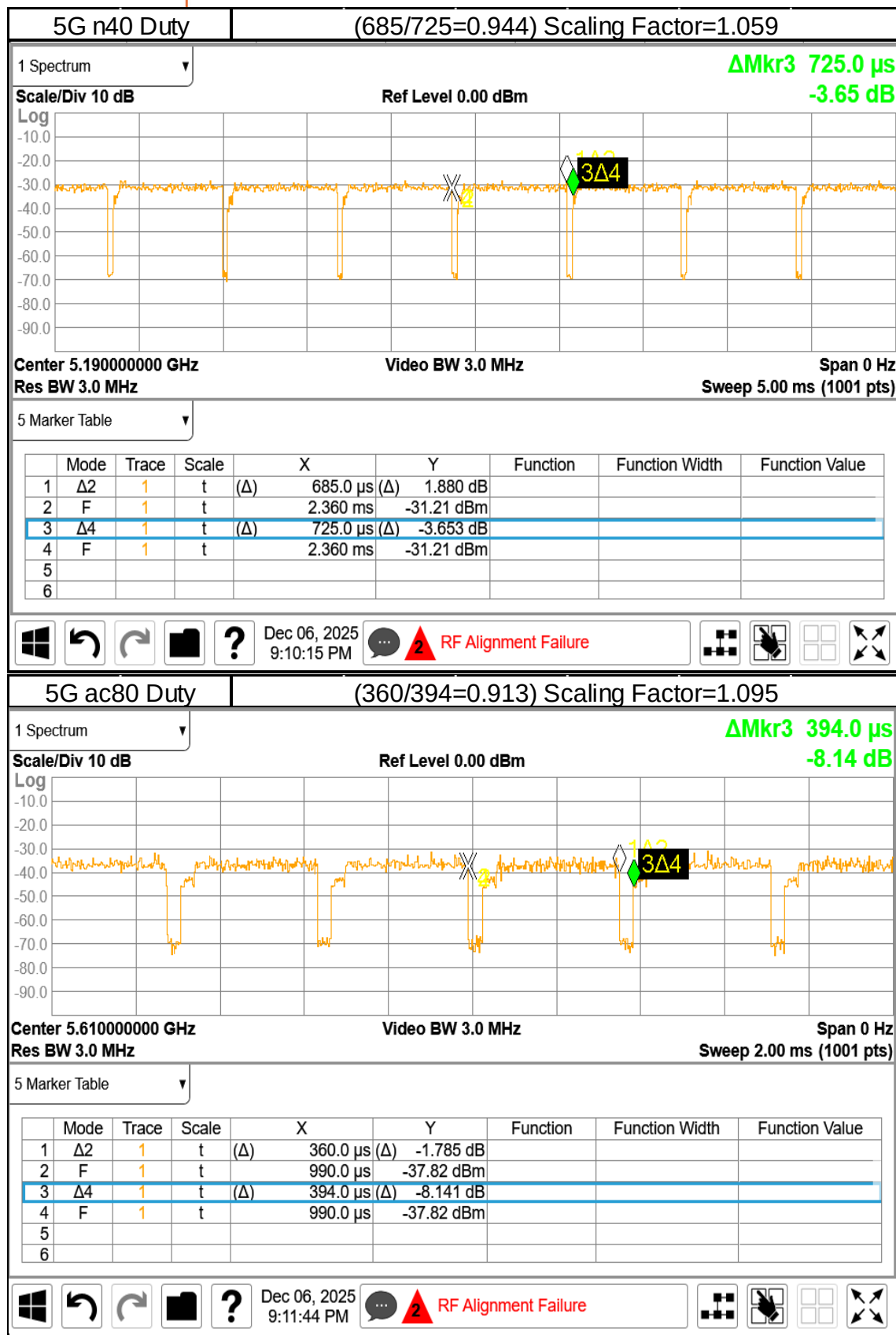
3 DUTY CYCLE



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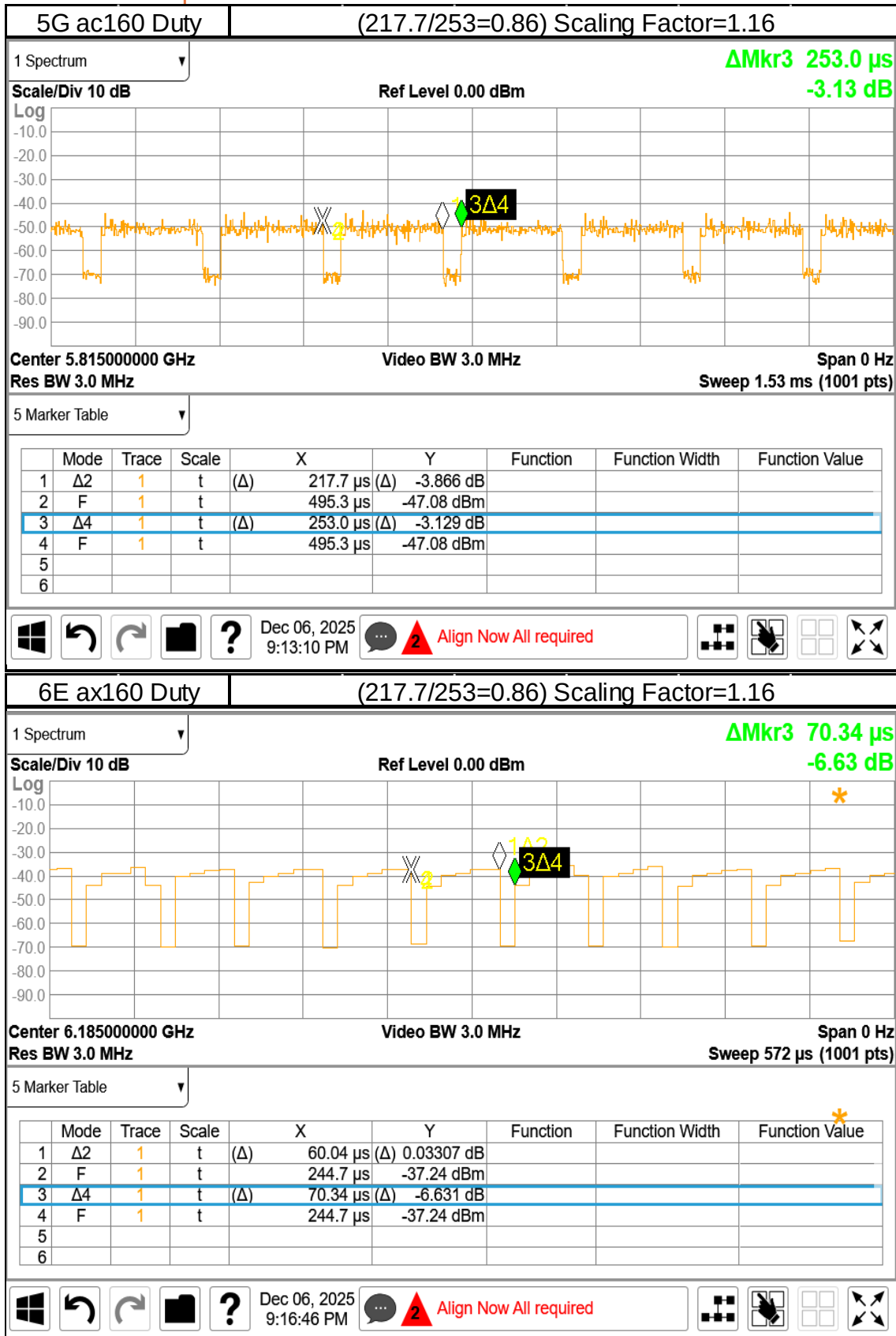
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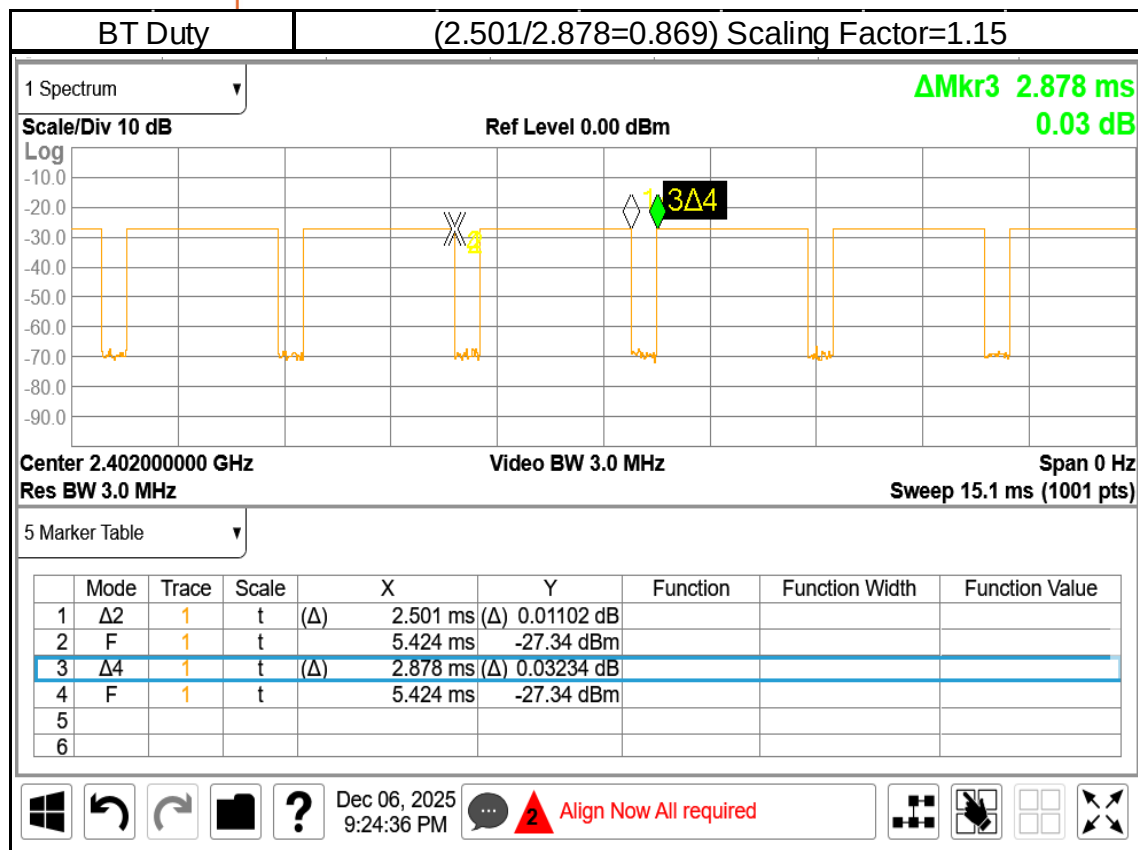
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4 SAR SYSTEM VERIFICATION

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	39.961	1.827	1.69%	3.90%	± 5%	Nov. 30, 2025
2412	39.276	1.767	39.944	1.835	1.70%	3.84%	± 5%	
2437	39.226	1.789	39.899	1.857	1.72%	3.82%	± 5%	
2440	39.220	1.791	39.894	1.860	1.72%	3.83%	± 5%	
2450	39.200	1.800	39.876	1.869	1.72%	3.83%	± 5%	
2462	39.184	1.813	39.861	1.880	1.73%	3.71%	± 5%	
2480	39.160	1.832	39.838	1.896	1.73%	3.49%	± 5%	Dec. 01, 2025
5190	36.010	4.650	36.673	4.759	1.84%	2.36%	± 5%	
5210	35.990	4.670	36.650	4.779	1.83%	2.33%	± 5%	
5230	35.970	4.690	36.628	4.800	1.83%	2.35%	± 5%	
5250	35.950	4.710	36.605	4.821	1.82%	2.36%	± 5%	
5270	35.930	4.730	36.582	4.842	1.81%	2.37%	± 5%	
5290	35.910	4.750	36.559	4.863	1.81%	2.38%	± 5%	Dec. 02, 2025
5310	35.890	4.770	36.536	4.884	1.80%	2.39%	± 5%	
5530	35.605	4.997	36.285	5.116	1.91%	2.39%	± 5%	
5570	35.545	5.039	36.239	5.157	1.95%	2.35%	± 5%	
5600	35.500	5.070	36.205	5.189	1.99%	2.35%	± 5%	
5610	35.490	5.080	36.193	5.199	1.98%	2.34%	± 5%	Dec. 03, 2025
5690	35.410	5.160	36.102	5.282	1.95%	2.36%	± 5%	
5750	35.350	5.220	36.033	5.345	1.93%	2.39%	± 5%	
5775	35.325	5.245	36.005	5.371	1.92%	2.40%	± 5%	
5815	35.285	5.286	35.959	5.413	1.91%	2.41%	± 5%	
5850	35.250	5.323	35.919	5.450	1.90%	2.40%	± 5%	Dec. 04, 2025
5855	35.245	5.328	35.913	5.455	1.90%	2.39%	± 5%	
6025	35.070	5.510	35.718	5.635	1.85%	2.28%	± 5%	
6185	34.878	5.698	35.526	5.805	1.86%	1.87%	± 5%	
6345	34.686	5.887	35.334	5.976	1.87%	1.51%	± 5%	
6500	34.500	6.070	35.148	6.142	1.88%	1.19%	± 5%	
6505	34.494	6.076	35.142	6.148	1.88%	1.19%	± 5%	Dec. 05, 2025
6665	34.302	6.261	34.950	6.321	1.89%	0.95%	± 5%	
6825	34.110	6.447	34.758	6.495	1.90%	0.74%	± 5%	
6985	33.918	6.633	34.566	6.670	1.91%	0.56%	± 5%	
7000	33.900	6.650	34.548	6.686	1.91%	0.54%	± 5%	

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4.4 The composition of the tissue simulating liquid:

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

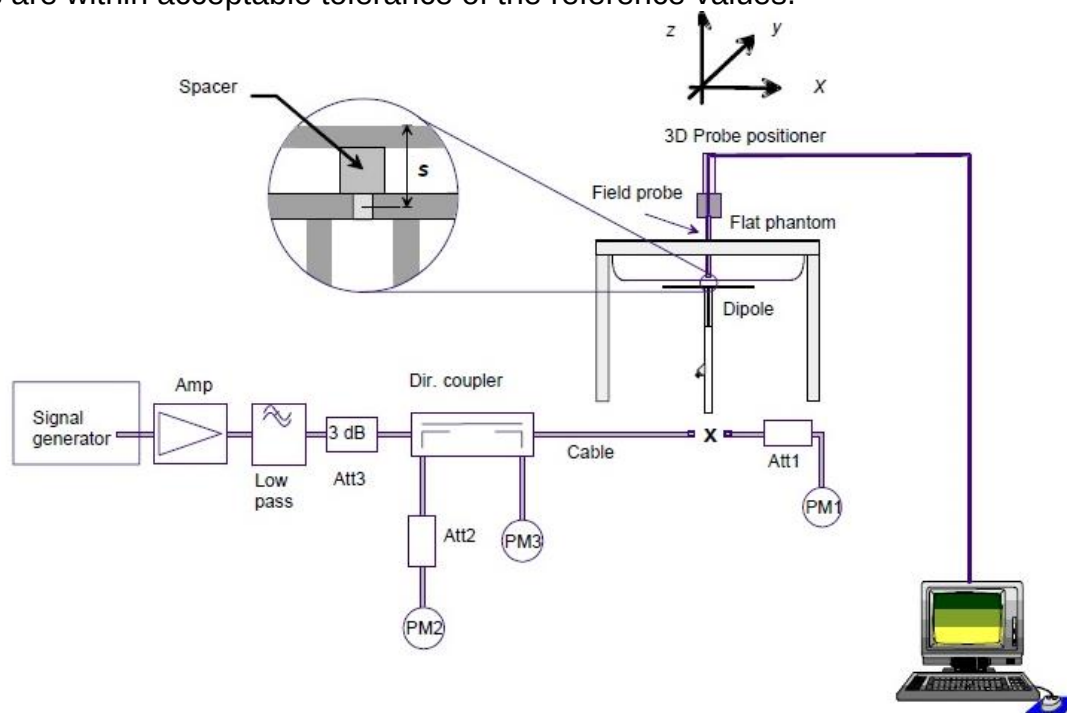
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

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	13.3	53.2	1.14	± 10%	Nov.30,2025
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	8.44	84.4	4.33	± 10%	Dec.01,2025
D5GHzV2	1349	5600	82.4	8.47	84.7	2.79	± 10%	Dec.02,2025
D5GHzV2	1349	5750	80.8	8.36	83.6	3.47	± 10%	Dec.03,2025
D5GHzV2	1349	5850	79.9	7.7	77	-3.63	± 10%	Dec.03,2025
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
D6.5GHzV2	1006	6500	295	28.7	287	-2.71	± 10%	Dec.04,2025
D7GHzV2	1007	7000	287	28.8	288	0.35	± 10%	Dec.08,2025

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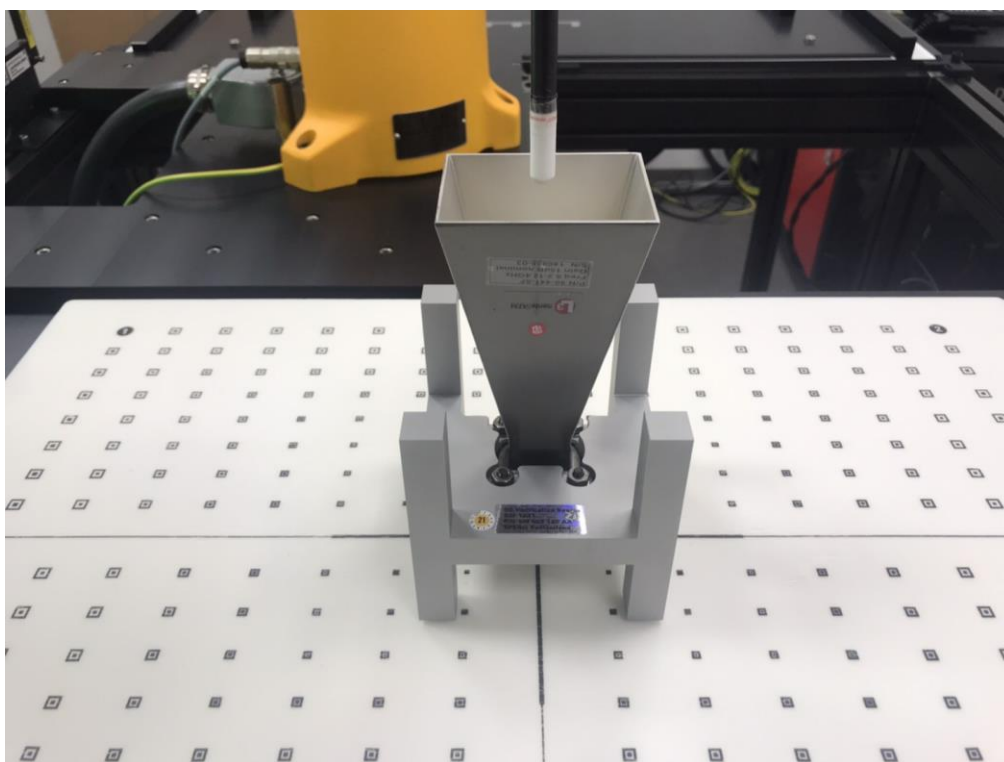
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5 PD SYSTEM VERIFICATION

5.1 System check

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.



System Verification Setup Photo

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5.2 System check result

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Frequency (MHz)	PD Verification Source (MHz)	Probe S/N	DAE S/N	Distance (mm)	Prad (mW)	Measured 4cm ² (W/m ²)	Target 4cm ² (W/m ²)	Deviation (dB)	Date
10000	10000	9399	1665	10	93.3	55.3	55.5	-0.02	Dec.06,2025

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6 TEST CONFIGURATIONS

6.1 Test Environment

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

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

6.2 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.

- **WLAN 6GHz:** Per October 2020 & April 2021 TCB Workshop Interim procedures and FCC guidance, start instead with a minimum of 5 test channels across the full band, then adapt and apply conducted power and SAR test reduction procedures of KDB Pub. 248227 v02r02. WIFI 6E SAR is measured by using 6-7GHz parameters per IEC/IEEE62209-1528:2020 and report also estimated absorbed PD (for reference purposes only, not specifically for compliance). For the highest SAR test configurations also measure incident PD (total) using mmW near-field probe and total-field/power-density reconstruction method.

- **WLAN 6GHz:** Per equipment manufacturer guidance, power density was measured at $d=2\text{mm}$ with the grid step (0.0625λ) for determining compliance at $d=2\text{mm}$.

- **WLAN 6GHz:** According to October 2020 TCB Workshop Interim procedures, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty $> 30\%$. Total expanded uncertainty of 2.67 dB (85%) was used to determine the psPD measurement scaling factor.

- **WLAN 6GHz:** Per FCC guidance, for simultaneous transmission evaluation, using SAR sum and SPLSR for simultaneous transmit exclusion analyses and evaluations.

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6.3 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.

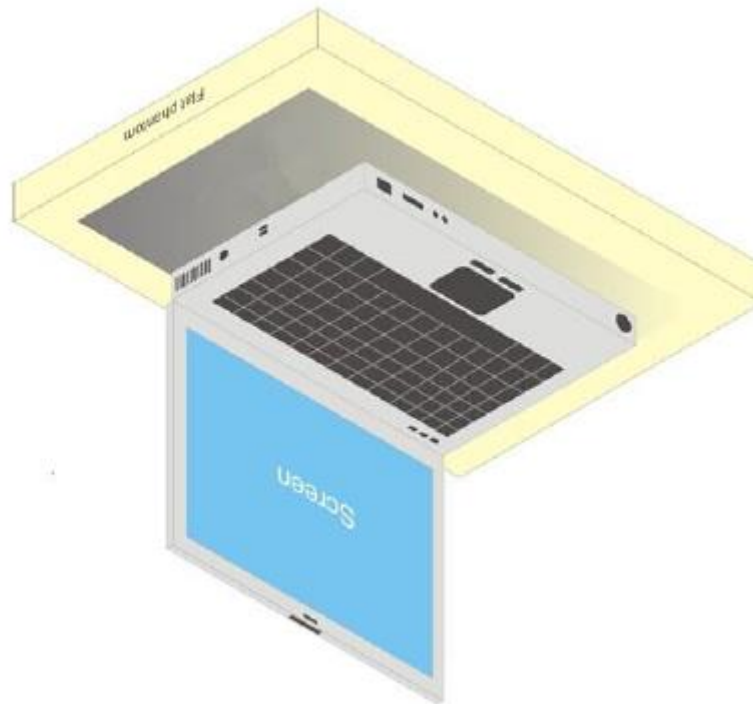


Illustration for Laptop Setup

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Tablet mode SAR test position (0mm)

For full-size tablet, according to KDB 616217 D04, SAR evaluation is required for back surface and edges of the devices. The back surface and edges of the tablet are tested with the tablet touching the phantom. Exposures from antennas through the front surface of the display section of a tablet are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary. When voice mode is supported on a tablet and it is limited to speaker mode or headset operations only, additional SAR testing for this type of voice use is not required.

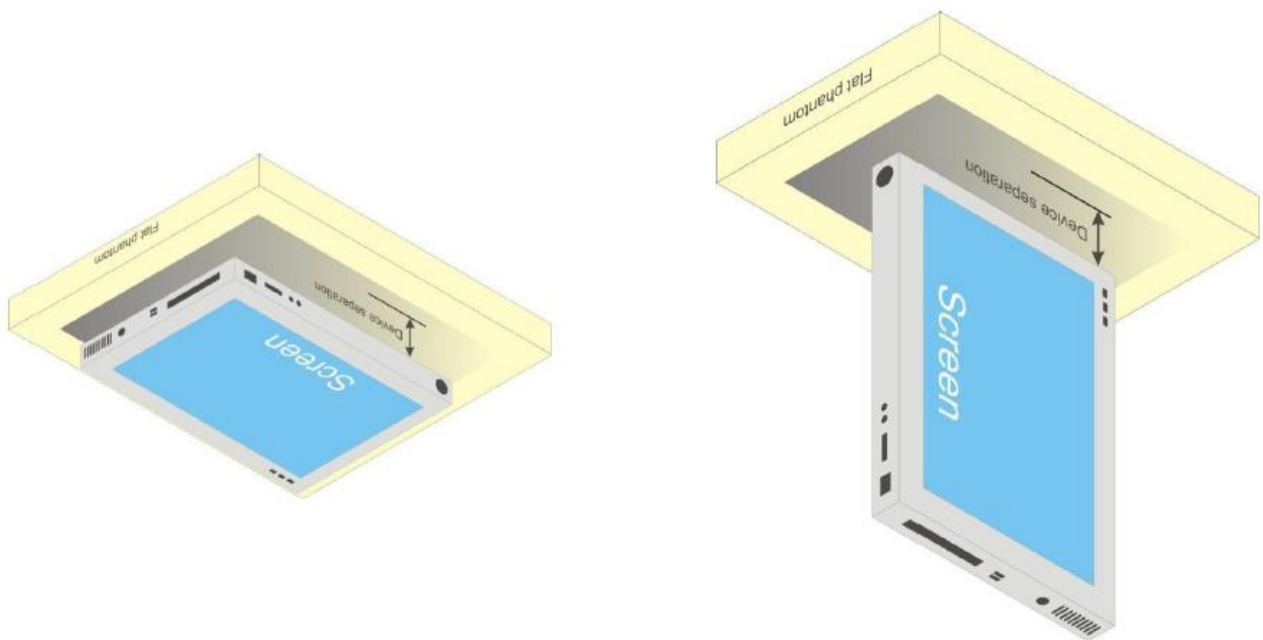


Illustration for Tablet Setup

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6.4 Power verification of device mode

The device is a convertible laptop computer with predefined single fixed power to each device modes. For the device modes verification, the measured conducted output power is monitored qualitatively to identify the triggering characteristics and recorded quantitatively.

Results and conclusion

The measured output power versus lid angle is tabulated in the following table based on the guidance from 2019-11 TCB workshop, and the triggering verification complies with the device mode / power level declared by the manufacturer.

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Device mode verification by power measurement

Antenna	Operation mode	Lid angle	802.11b	802.11a(40M) 5.2G	802.11n(40M) 5.3G	802.11ac(80M) 5.6G	802.11ac(80M) 5.8G	802.11ac(80M) 5.9G	6.2GHz 802.11ac(160M)	6.5GHz 802.11ac(160M)	6.7GHz 802.11ac(160M)	7.0GHz 802.11ac(160M)
Main	Lid close	0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		10°	21.81	20.60	20.12	20.34	20.48	20.16	21.96	12.43	21.79	12.32
		5°	21.76	20.53	20.07	20.28	20.38	20.13	21.96	12.33	21.69	12.23
		0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lid close	2°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		3°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		4°	21.80	20.56	20.07	20.29	20.41	20.10	21.88	12.38	21.71	12.25
		5°	21.74	20.60	20.03	20.31	20.43	20.06	21.87	12.40	21.70	12.22
		6°	21.74	20.57	20.08	20.28	20.43	20.09	21.92	12.39	21.77	12.23
	Lid close	7°	21.74	20.51	20.03	20.34	20.40	20.09	21.94	12.42	21.71	12.32
		8°	21.75	20.51	20.10	20.27	20.46	20.06	21.90	12.42	21.78	12.29
		9°	21.72	20.58	20.12	20.28	20.38	20.13	21.95	12.37	21.74	12.26
		10°	21.76	20.54	20.11	20.31	20.47	20.09	21.90	12.38	21.73	12.31
		20°	21.71	20.60	20.08	20.33	20.44	20.16	21.87	12.41	21.79	12.31
	Lid close	30°	21.77	20.58	20.06	20.29	20.45	20.14	21.96	12.40	21.73	12.32
		40°	21.78	20.51	20.05	20.25	20.43	20.11	21.86	12.38	21.74	12.26
		50°	21.78	20.56	20.06	20.27	20.45	20.11	21.96	12.42	21.75	12.30
		60°	21.73	20.58	20.02	20.26	20.47	20.12	21.96	12.41	21.74	12.31
		70°	21.81	20.53	20.12	20.29	20.47	20.14	21.91	12.34	21.71	12.32
	Lid close	80°	21.78	20.50	20.04	20.33	20.42	20.08	21.93	12.36	21.75	12.28
		90°	21.78	20.50	20.04	20.32	20.46	20.14	21.96	12.35	21.74	12.31
		100°	21.81	20.56	20.07	20.25	20.47	20.11	21.90	12.38	21.72	12.27
		110°	21.81	20.57	20.04	20.34	20.45	20.11	21.88	12.38	21.75	12.29
		120°	21.71	20.56	20.07	20.24	20.47	20.06	21.92	12.43	21.71	12.25
	Lid close	130°	21.71	20.56	20.11	20.24	20.48	20.08	21.87	12.38	21.71	12.29
		140°	21.78	20.53	20.03	20.30	20.47	20.08	21.86	12.36	21.70	12.32
		150°	21.72	20.51	20.09	20.32	20.39	20.16	21.88	12.42	21.69	12.31
		160°	21.81	20.58	20.07	20.34	20.43	20.10	21.96	12.36	21.78	12.28
		170°	21.78	20.56	20.05	20.24	20.44	20.14	21.91	12.42	21.74	12.27
	Lid close	180°	21.77	20.57	20.04	20.29	20.46	20.11	21.88	12.33	21.76	12.32
		190°	21.76	20.52	20.03	20.31	20.44	20.09	21.88	12.39	21.69	12.32
		200°	21.74	20.52	20.08	20.27	20.47	20.11	21.86	12.42	21.78	12.23
		210°	21.78	20.50	20.02	20.33	20.44	20.16	21.96	12.41	21.79	12.25
		220°	19.50	20.60	20.12	20.34	20.48	20.16	17.78	12.43	18.07	12.32
	Lid close	215°	21.76	20.60	20.02	20.31	20.48	20.12	21.89	12.33	21.75	12.23
		216°	21.72	20.55	20.07	20.25	20.45	20.10	21.88	12.40	21.77	12.30
		217°	21.77	20.56	20.29	20.40	20.40	20.15	21.95	12.40	21.72	12.26
		218°	21.71	20.52	20.04	20.24	20.48	20.16	21.94	12.38	21.69	12.25
		219°	21.75	20.52	20.04	20.24	20.47	20.13	21.89	12.35	21.79	12.22
	Lid close	220°	19.48	20.58	20.08	20.33	20.47	20.07	17.75	12.43	18.02	12.31
		221°	19.42	20.56	20.06	20.24	20.40	20.10	17.75	12.41	18.05	12.25
		222°	19.50	20.51	20.08	20.32	20.43	20.07	17.68	12.35	18.01	12.29
		223°	19.45	20.54	20.05	20.33	20.43	20.09	17.77	12.37	18.07	12.25
		224°	19.40	20.55	20.11	20.26	20.42	20.06	17.68	12.38	18.05	12.29
	Lid close	225°	19.49	20.57	20.02	20.29	20.45	20.07	17.75	12.34	18.01	12.28
		235°	19.46	20.60	20.07	20.26	20.47	20.11	17.77	12.38	18.02	12.24
		245°	19.47	20.56	20.05	20.27	20.38	20.16	17.73	12.42	18.07	12.24
		255°	19.44	20.55	20.09	20.31	20.47	20.12	17.74	12.36	18.01	12.30
		265°	19.48	20.56	20.02	20.26	20.44	20.07	17.71	12.42	18.03	12.27
	Lid close	275°	19.47	20.58	20.07	20.24	20.41	20.14	17.72	12.35	17.98	12.32
		285°	19.49	20.54	20.02	20.34	20.38	20.12	17.71	12.34	18.00	12.27
		295°	19.50	20.55	20.11	20.31	20.45	20.09	17.68	12.42	18.07	12.24
		305°	19.46	20.56	20.04	20.26	20.46	20.07	17.75	12.36	17.97	12.27
		315°	19.44	20.58	20.12	20.34	20.39	20.13	17.73	12.35	18.05	12.32
	Lid close	325°	19.49	20.52	20.12	20.32	20.44	20.11	17.72	12.35	18.03	12.28
		335°	19.49	20.54	20.06	20.34	20.38	20.16	17.76	12.42	18.04	12.23
		345°	19.49	20.56	20.05	20.33	20.38	20.06	17.73	12.36	18.02	12.30
		355°	19.49	20.57	20.04	20.34	20.47	20.16	17.77	12.36	17.97	12.23
		360°	19.43	20.59	20.07	20.24	20.46	20.09	17.73	12.43	17.99	12.30
	Lid close	350°	19.43	20.51	20.11	20.31	20.48	20.06	17.75	12.35	18.00	12.30
		340°	19.40	20.57	20.32	20.40	20.44	20.06	17.68	12.36	18.06	12.24
		330°	19.50	20.60	20.07	20.29	20.45	20.06	17.72	12.40	18.00	12.24
		320°	19.47	20.60	20.02	20.28	20.43	20.06	17.75	12.42	18.03	12.27
		310°	19.48	20.55	20.05	20.28	20.42	20.15	17.71	12.41	18.00	12.24
	Lid close	300°	19.48	20.57	20.05	20.24	20.38	20.16	17.68	12.37	18.01	12.23
		290°	19.40	20.50	20.05	20.34	20.40	20.08	17.77	12.42	18.02	12.22
		280°	19.44	20.55	20.05	20.25	20.45	20.06	17.76	12.43	18.05	12.25
		270°	19.47	20.52	20.08	20.30	20.46	20.06	17.75	12.36	17.99	12.23
		260°	19.40	20.55	20.02	20.27	20.44	20.13	17.71	12.34	18.04	12.26
	Lid close	250°	19.43	20.56	20.07	20.24	20.43	20.08	17.69	12.36	18.01	12.28
		240°	19.41	20.59	20.05	20.34	20.42	20.13	17.72	12.41	18.01	12.27
		230°	19.45	20.54	20.12	20.33	20.41	20.16	17.72	12.41	18.02	12.28
		220°	19.47	20.57	20.06	20.28	20.47	20.15	17.72	12.41	18.02	12.23
		210°	21.78	20.59	20.10	20.24	20.41	20.14	21.93	12.36	21.74	12.23
	Lid close	215°	21.78	20.53	20.07	20.28	20.45	20.13	21.87	12.42	21.79	12.32
		220°	19.47	20.50	20.04	20.25	20.46	20.13	17.78	12.39	18.07	12.28
		219°	21.76	20.60	20.03	20.27	20.44	20.08	21.88	12.35	21.78	12.27
		218°	21.71	20.51	20.11	20.31	20.45	20.15	21.95	12.35	21.77	12.24
		217°	21.75	20.54	20.11	20.34	20.42	20.14	21.89	12.41	21.77	12.31
	Lid close	216°	21.75	20.57	20.03	20.33	20.39	20.07	21.92	12.41	21.76	12.28
		215°	21.81	20.60	20.04	20.27	20.45	20.11	21.92	12.36	21.69	12.29
		214°	21.78	20.51	20.03	20.27	20.42	20.15	21.87	12.37	21.78	12.26
		213°	21.72	20.53	20.06	20.33	20.43	20.13	21.95	12.34	21.74	12.25
		212°	21.81	20.59	20.10	20.30	20.46	20.06	21.89	12.39	21.78	12.30
	Lid close	211°	21.77	20.55	20.08	20.34	20.47	20.15	21.89	12.34	21.74	12.25
		210°	21.79	20.53	20.11	20.32	20.38	20.07	21.88	12.37	21.74	12.26
		200°	21.76	20.58	20.05	20.33	20.41	20.16	21.91	12.35	21.69	12.23
		190°	21.75	20.60	20.09	20.33	20.48	20.12	21.88	12.38	21.78	12.22
		180°	21.77	20.56	20.08	20.31	20.48	20.10	21.93	12.35	21.79	12.27
	Lid close	170°	21.74	20.51	20.08	20.31	20.40	20.07	21.96	12.34	21.79	12.22
		160°	21.80	20.53	20.11	20.25	20.41	20.15	21.86	12.38	21.69	12.27
		150°	21.73	20.55	20.12	20.33	20.39	20.07	21.91	12.33	21.69	12.24
140°		21.77	20.50	20.06	20.32	20.48	20.16	21.95	12.40	21.74	12.23	
130°		21.71	20.51	20.05	20.33	20.40	20.07	21.91	12.34	21.77	12.31	
Lid close	120°	21.81	20.58	20.12	20.28	20.39	20.16	21.89	12.42	21.69	12.25	
	110°	21.74	20.60	20.12	20.24	20.47	20.14	21.92	12.37	21.73	12.30	
	100°	21.77	20.56	20.05	20.31	20.42	20.15	21.93	12.38	21.74	12.28	
	90°	21.76	20.55	20.02	20.27	20.48	20.11	21.86	12.42	21.69	12.23	
	80°	21.75	20.52	20.07	20.24	20.42	20.12	21.90	12.36	21.73	12.29	
Lid close	70°	21.72	20.54	20.08	20.28	20.38	20.11	21.93	12.42	21.69	12.24	
	60°	21.74	20.54	20.05	20.							

[illegible]

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6.5 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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7 MAXIMUM OUTPUT POWER

7.1 WLAN

Notebook mode

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	22.00	21.81
		6	2437		21.50	20.77
		11	2462		21.50	20.84
	802.11g	1	2412	6Mbps	18.00	16.09
		6	2437		21.50	19.53
		11	2462		18.50	16.86
	802.11n20-HT0	1	2412	MCS0	18.50	17.01
		6	2437		21.50	19.85
		11	2462		19.00	17.50
	802.11ac20-VHT0	1	2412	MCS0	18.50	17.06
		6	2437		21.50	19.74
		11	2462		19.00	17.45
	802.11ax20-HE0	1	2412	MCS0	18.50	16.99
		6	2437		21.50	19.78
		11	2462		19.50	17.57
	802.11be20-EHT0	1	2412	MCS0	19.00	17.17
		6	2437		21.50	19.86
		11	2462		19.50	17.67
	802.11n40-HT0	3	2422	MCS0	18.00	16.37
		6	2437		19.50	17.89
		9	2452		18.50	17.03
	802.11ac40-VHT0	3	2422	MCS0	18.00	16.36
		6	2437		19.50	17.77
		9	2452		18.50	16.91
	802.11ax40-HE0	3	2422	MCS0	18.00	16.42
		6	2437		19.50	17.87
		9	2452		19.00	17.11
	802.11be40-EHT0	3	2422	MCS0	18.00	16.46
		6	2437		20.00	18.13
		9	2452		19.00	17.06

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Ant Main						
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	19.00	17.22
		40	5200		19.00	17.03
		44	5220		19.00	17.18
		48	5240		19.00	17.14
	802.11n20-HT0	36	5180	MCS0	19.50	17.94
		40	5200		19.50	17.94
		44	5220		20.00	18.00
		48	5240		20.00	18.10
	802.11ac20-VHT0	36	5180	MCS0	19.50	17.82
		40	5200		19.50	17.94
		44	5220		20.00	18.04
		48	5240		20.00	18.04
	802.11ax20-HE0	36	5180	MCS0	20.00	18.03
		40	5200		20.00	18.04
		44	5220		20.00	18.14
		48	5240		20.00	18.08
	802.11be20-EHT0	36	5180	MCS0	20.00	18.16
		40	5200		20.00	18.25
		44	5220		20.00	18.22
		48	5240		20.00	18.22
	802.11n40-HT0	38	5190	MCS0	19.00	18.12
		46	5230		21.00	20.60
	802.11ac40-VHT0	38	5190	MCS0	19.00	17.04
		46	5230		21.00	19.20
	802.11ax40-HE0	38	5190	MCS0	19.00	17.30
		46	5230		21.00	19.20
	802.11be40-EHT0	38	5190	MCS0	19.00	17.46
		46	5230		21.00	19.29
	802.11ac80-VHT0	42	5210	MCS0	17.50	15.58
	802.11ax80-HE0	42	5210	MCS0	17.50	15.66
	802.11be80-EHT0	42	5210	MCS0	17.50	15.80
	802.11ac160-VHT0	50	5250	MCS0	10.50	8.57
	802.11ax160-HE0	50	5250	MCS0	10.50	8.87
	802.11be160-EHT0	50	5250	MCS0	11.00	9.07

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Ant Main						
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	18.50	16.74
		56	5280		18.50	16.98
		60	5300		18.50	16.84
		64	5320		18.50	16.98
	802.11n20-HT0	52	5260	MCS0	20.00	18.10
		56	5280		20.00	18.19
		60	5300		20.00	18.07
		64	5320		20.00	18.06
	802.11ac20-VHT0	52	5260	MCS0	20.00	18.13
		56	5280		20.00	18.05
		60	5300		20.00	18.09
		64	5320		20.00	18.11
	802.11ax20-HE0	52	5260	MCS0	20.00	18.36
		56	5280		20.00	18.38
		60	5300		20.00	18.27
		64	5320		20.00	18.33
	802.11be20-EHT0	52	5260	MCS0	20.00	18.19
		56	5280		20.00	18.28
		60	5300		20.00	18.16
		64	5320		20.00	18.30
	802.11n40-HT0	54	5270	MCS0	21.00	20.12
		62	5310		19.00	18.26
	802.11ac40-VHT0	54	5270	MCS0	21.00	19.17
		62	5310		19.00	17.08
	802.11ax40-HE0	54	5270	MCS0	21.00	19.42
		62	5310		19.00	17.23
	802.11be40-EHT0	54	5270	MCS0	21.00	19.30
		62	5310		19.00	17.18
	802.11ac80-VHT0	58	5290	MCS0	17.50	15.75
	802.11ax80-HE0	58	5290	MCS0	17.50	15.83
	802.11be80-EHT0	58	5290	MCS0	17.50	15.90

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5.6GHz	802.11a	100	5500	6Mbps	18.50	16.77
		120	5600		18.50	16.81
		140	5700		18.00	16.32
		144	5720		16.50	14.98
	802.11n20-HT0	100	5500	MCS0	20.00	18.31
		120	5600		20.00	18.29
		140	5700		20.00	18.02
		144	5720		17.50	15.55
	802.11ac20-VHT0	100	5500	MCS0	20.00	18.23
		120	5600		20.00	18.12
		140	5700		20.00	18.09
		144	5720		17.50	15.62
	802.11ax20-HE0	100	5500	MCS0	20.00	18.54
		120	5600		20.00	18.43
		140	5700		20.00	18.22
		144	5720		14.00	12.29
	802.11be20-EHT0	100	5500	MCS0	20.00	18.39
		120	5600		20.00	18.30
		140	5700		20.00	18.29
		144	5720		15.00	13.41
	802.11n40-HT0	102	5510	MCS0	19.50	18.09
		118	5590		21.00	19.10
		134	5670		21.00	19.07
		142	5710		18.50	16.62
	802.11ac40-VHT0	102	5510	MCS0	19.50	18.02
		118	5590		21.00	19.06
		134	5670		21.00	19.03
		142	5710		18.50	16.63
	802.11ax40-HE0	102	5510	MCS0	19.50	18.01
		118	5590		21.00	19.51
		134	5670		21.00	19.52
		142	5710		18.00	16.07
	802.11be40-EHT0	102	5510	MCS0	19.50	17.86
		118	5590		21.00	19.04
		134	5670		21.00	19.14
		142	5710		18.50	16.88
	802.11ac80-VHT0	106	5530	MCS0	18.50	17.67
		122	5610		21.00	20.34
		138	5690		18.00	17.36
	802.11ax80-HE0	106	5530	MCS0	18.50	16.71
		122	5610		21.00	19.14
		138	5690		18.50	16.81
	802.11be80-EHT0	106	5530	MCS0	18.50	16.83
		122	5610		21.00	19.25
		138	5690		18.50	17.04
	802.11ac160-VHT0	114	5570	MCS0	17.00	15.06
	802.11ax160-HE0	114	5570	MCS0	17.00	15.20
	802.11be160-EHT0	114	5570	MCS0	17.00	15.21

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Ant Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	21.00	19.47
		157	5785		21.00	19.41
		165	5825		21.00	19.55
	802.11n20-HT0	149	5745	MCS0	21.00	19.56
		157	5785		21.00	19.59
		165	5825		21.00	19.59
	802.11ac20-VHT0	149	5745	MCS0	21.00	19.41
		157	5785		21.00	19.50
		165	5825		21.00	19.58
	802.11ax20-HE0	149	5745	MCS0	21.00	19.54
		157	5785		21.00	19.60
		165	5825		21.00	19.44
	802.11be20-EHT0	149	5745	MCS0	21.00	19.46
		157	5785		21.00	19.44
		165	5825		21.00	19.43
	802.11n40-HT0	151	5755	MCS0	21.00	19.44
		159	5795		21.00	19.41
	802.11ac40-VHT0	151	5755	MCS0	21.00	19.50
		159	5795		21.00	19.57
	802.11ax40-HE0	151	5755	MCS0	21.00	19.46
		159	5795		21.00	19.40
	802.11be40-EHT0	151	5755	MCS0	21.00	19.55
		159	5795		21.00	19.46
	802.11ac80-VHT0	155	5775	MCS0	21.00	20.48
	802.11ax80-HE0	155	5775	MCS0	21.00	19.58
	802.11be80-EHT0	155	5775	MCS0	21.00	19.41

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.9GHz	802.11a	169	5845	6Mbps	14.50	12.91
		173	5865		15.00	13.21
		177	5885		15.00	13.18
	802.11n20-HT0	169	5845	MCS0	18.50	16.72
		173	5865		18.50	16.72
		177	5885		19.00	17.06
	802.11ac20-VHT0	169	5845	MCS0	18.50	16.82
		173	5865		18.50	16.66
		177	5885		19.00	17.10
	802.11ax20-HE0	169	5845	MCS0	18.50	16.98
		173	5865		18.50	16.82
		177	5885		17.00	15.31
	802.11be20-EHT0	169	5845	MCS0	18.50	16.99
		173	5865		18.50	16.86
		177	5885		17.00	15.44
	802.11n40-HT0	167	5835	MCS0	21.50	19.59
		175	5875		21.50	20.09
	802.11ac40-VHT0	167	5835	MCS0	21.50	19.58
		175	5875		21.50	20.06
	802.11ax40-HE0	167	5835	MCS0	21.50	19.67
		175	5875		21.50	19.95
	802.11be40-EHT0	167	5835	MCS0	21.50	19.89
		175	5875		21.50	19.91
	802.11ac80-VHT0	171	5855	MCS0	21.50	20.16
	802.11ax80-HE0	171	5855	MCS0	21.50	19.65
	802.11be80-EHT0	171	5855	MCS0	21.50	19.71
	802.11ac160-VHT0	163	5815	MCS0	18.50	16.99
	802.11ax160-HE0	163	5815	MCS0	19.00	17.19
	802.11be160-EHT0	163	5815	MCS0	19.00	17.20

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2.45GHz	802.11b	1	2412	1Mbps	22.00	20.99
		6	2437		21.00	20.87
		11	2462		21.50	21.05
	802.11g	1	2412	6Mbps	18.00	16.49
		6	2437		21.50	19.53
		11	2462		18.50	16.63
	802.11n20-HT0	1	2412	MCS0	18.50	17.02
		6	2437		21.50	19.82
		11	2462		19.00	17.39
	802.11ac20-VHT0	1	2412	MCS0	18.50	16.97
		6	2437		21.50	19.86
		11	2462		19.00	17.34
	802.11ax20-HE0	1	2412	MCS0	18.50	16.89
		6	2437		21.50	19.98
		11	2462		19.00	17.50
	802.11be20-EHT0	1	2412	MCS0	18.50	17.01
		6	2437		22.00	20.20
		11	2462		19.00	17.60
	802.11n40-HT0	3	2422	MCS0	18.50	16.66
		6	2437		19.50	17.93
		9	2452		18.00	16.60
	802.11ac40-VHT0	3	2422	MCS0	18.50	16.70
		6	2437		19.50	17.92
		9	2452		18.00	16.58
	802.11ax40-HE0	3	2422	MCS0	18.50	16.75
		6	2437		19.50	17.95
		9	2452		18.50	16.65
	802.11be40-EHT0	3	2422	MCS0	18.50	16.68
		6	2437		20.00	18.11
		9	2452		18.50	16.77

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5.15-5.25 GHz	802.11a	36	5180	6Mbps	18.00	16.58
		40	5200		18.50	16.85
		44	5220		18.50	16.92
		48	5240		18.50	16.88
	802.11n20-HT0	36	5180	MCS0	19.50	18.09
		40	5200		20.00	18.20
		44	5220		20.00	18.04
		48	5240		19.50	18.12
	802.11ac20-VHT0	36	5180	MCS0	19.50	18.00
		40	5200		20.00	18.19
		44	5220		20.00	18.17
		48	5240		19.50	18.16
	802.11ax20-HE0	36	5180	MCS0	20.00	18.31
		40	5200		20.00	18.24
		44	5220		20.00	18.40
		48	5240		20.00	18.36
	802.11be20-EHT0	36	5180	MCS0	20.00	18.39
		40	5200		20.00	18.43
		44	5220		20.00	18.47
		48	5240		20.00	18.47
	802.11n40-HT0	38	5190	MCS0	19.00	17.96
		46	5230		21.00	20.56
	802.11ac40-VHT0	38	5190	MCS0	19.00	17.29
		46	5230		21.00	19.17
	802.11ax40-HE0	38	5190	MCS0	19.00	17.40
		46	5230		21.00	19.41
	802.11be40-EHT0	38	5190	MCS0	19.00	17.55
		46	5230		21.00	19.48
	802.11ac80-VHT0	42	5210	MCS0	17.50	15.65
	802.11ax80-HE0	42	5210	MCS0	17.50	15.90
	802.11be80-EHT0	42	5210	MCS0	17.50	15.88
	802.11ac160-VHT0	50	5250	MCS0	10.50	9.12
	802.11ax160-HE0	50	5250	MCS0	10.50	8.88
	802.11be160-EHT0	50	5250	MCS0	11.00	9.25

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5.25-5.35 GHz	802.11a	52	5260	6Mbps	18.50	16.66
		56	5280		18.50	16.77
		60	5300		18.50	16.71
		64	5320		18.50	16.75
	802.11n20-HT0	52	5260	MCS0	20.00	18.25
		56	5280		20.00	18.24
		60	5300		20.00	18.23
		64	5320		20.00	18.10
	802.11ac20-VHT0	52	5260	MCS0	20.00	18.23
		56	5280		20.00	18.24
		60	5300		20.00	18.17
		64	5320		20.00	18.20
	802.11ax20-HE0	52	5260	MCS0	20.00	18.45
		56	5280		20.00	18.46
		60	5300		20.00	18.50
		64	5320		20.00	18.48
	802.11be20-EHT0	52	5260	MCS0	20.00	18.35
		56	5280		20.00	18.30
		60	5300		20.00	18.18
		64	5320		20.00	18.36
	802.11n40-HT0	54	5270	MCS0	21.00	20.11
		62	5310		19.00	18.17
	802.11ac40-VHT0	54	5270	MCS0	21.00	19.47
		62	5310		19.00	17.22
	802.11ax40-HE0	54	5270	MCS0	21.00	19.69
		62	5310		19.00	17.38
	802.11be40-EHT0	54	5270	MCS0	21.00	19.45
		62	5310		19.00	17.26
	802.11ac80-VHT0	58	5290	MCS0	17.50	15.99
	802.11ax80-HE0	58	5290	MCS0	17.50	16.17
	802.11be80-EHT0	58	5290	MCS0	18.00	16.35

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5.6GHz	802.11a	100	5500	6Mbps	18.50	16.89
		120	5600		18.50	16.76
		140	5700		18.50	16.81
		144	5720		17.50	15.59
	802.11n20-HT0	100	5500	MCS0	20.00	18.31
		120	5600		20.00	18.33
		140	5700		20.00	18.28
		144	5720		17.50	16.07
	802.11ac20-VHT0	100	5500	MCS0	20.00	18.27
		120	5600		20.00	18.26
		140	5700		20.00	18.18
		144	5720		17.50	16.00
	802.11ax20-HE0	100	5500	MCS0	20.00	18.52
		120	5600		20.00	18.61
		140	5700		20.00	18.44
		144	5720		15.50	14.05
	802.11be20-EHT0	100	5500	MCS0	20.00	18.51
		120	5600		20.00	18.36
		140	5700		20.00	18.43
		144	5720		18.00	16.53
	802.11n40-HT0	102	5510	MCS0	19.50	17.88
		118	5590		21.00	19.44
		134	5670		21.00	19.45
		142	5710		18.00	16.54
	802.11ac40-VHT0	102	5510	MCS0	19.50	17.81
		118	5590		21.00	19.35
		134	5670		21.00	19.41
		142	5710		18.00	16.44
	802.11ax40-HE0	102	5510	MCS0	19.50	18.12
		118	5590		21.00	19.57
		134	5670		21.00	19.64
		142	5710		18.00	16.64
	802.11be40-EHT0	102	5510	MCS0	19.50	17.87
		118	5590		21.00	19.56
		134	5670		21.00	19.48
		142	5710		18.50	16.86
	802.11ac80-VHT0	106	5530	MCS0	18.50	17.75
		122	5610		21.00	20.58
		138	5690		19.00	18.42
	802.11ax80-HE0	106	5530	MCS0	18.50	16.74
		122	5610		21.00	19.50
		138	5690		18.50	16.86
	802.11be80-EHT0	106	5530	MCS0	18.50	16.82
		122	5610		21.00	19.47
		138	5690		17.50	15.89
	802.11ac160-VHT0	114	5570	MCS0	16.50	15.08
	802.11ax160-HE0	114	5570	MCS0	17.00	15.14
	802.11be160-EHT0	114	5570	MCS0	17.00	15.20

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5.8GHz	802.11a	149	5745	6Mbps	21.50	20.10
		157	5785		21.50	20.09
		165	5825		21.50	20.08
	802.11n20-HT0	149	5745	MCS0	21.50	20.09
		157	5785		21.50	20.05
		165	5825		21.50	20.09
	802.11ac20-VHT0	149	5745	MCS0	21.50	20.02
		157	5785		21.50	20.06
		165	5825		21.50	20.09
	802.11ax20-HE0	149	5745	MCS0	21.50	20.18
		157	5785		21.50	20.06
		165	5825		21.50	20.13
	802.11be20-EHT0	149	5745	MCS0	21.50	20.06
		157	5785		21.50	20.06
		165	5825		21.50	20.04
	802.11n40-HT0	151	5755	MCS0	21.50	20.07
		159	5795		21.50	20.19
	802.11ac40-VHT0	151	5755	MCS0	21.50	20.14
		159	5795		21.50	20.09
	802.11ax40-HE0	151	5755	MCS0	21.50	20.07
		159	5795		21.50	20.10
	802.11be40-EHT0	151	5755	MCS0	21.50	20.05
		159	5795		21.50	20.11
	802.11ac80-VHT0	155	5775	MCS0	21.50	20.49
	802.11ax80-HE0	155	5775	MCS0	21.50	20.01
	802.11be80-EHT0	155	5775	MCS0	21.50	20.06

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Ant Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.9GHz	802.11a	169	5845	6Mbps	15.00	13.53
		173	5865		15.50	13.68
		177	5885		15.50	13.72
	802.11n20-HT0	169	5845	MCS0	19.00	17.31
		173	5865		19.00	17.19
		177	5885		19.00	17.44
	802.11ac20-VHT0	169	5845	MCS0	19.00	17.24
		173	5865		19.00	17.15
		177	5885		19.00	17.40
	802.11ax20-HE0	169	5845	MCS0	19.00	17.41
		173	5865		19.00	17.37
		177	5885		17.50	15.71
	802.11be20-EHT0	169	5845	MCS0	19.00	17.49
		173	5865		19.00	17.32
		177	5885		17.50	15.72
	802.11n40-HT0	167	5835	MCS0	21.50	20.02
		175	5875		21.50	20.16
	802.11ac40-VHT0	167	5835	MCS0	21.50	20.15
		175	5875		21.50	20.11
	802.11ax40-HE0	167	5835	MCS0	21.50	20.10
		175	5875		21.50	20.20
	802.11be40-EHT0	167	5835	MCS0	21.50	20.16
		175	5875		21.50	20.13
	802.11ac80-VHT0	171	5855	MCS0	21.50	21.37
	802.11ax80-HE0	171	5855	MCS0	21.50	20.02
	802.11be80-EHT0	171	5855	MCS0	21.50	20.03
	802.11ac160-VHT0	163	5815	MCS0	19.00	17.51
	802.11ax160-HE0	163	5815	MCS0	19.00	17.42
	802.11be160-EHT0	163	5815	MCS0	19.00	17.67

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Tablet mode

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	20.00	19.45
		6	2437		20.00	19.39
		11	2462		20.00	19.50
	802.11g	1	2412	6Mbps	18.00	16.09
		6	2437		20.00	19.67
		11	2462		18.50	16.86
	802.11n20-HT0	1	2412	MCS0	18.50	17.01
		6	2437		20.00	19.14
		11	2462		19.00	17.50
	802.11ac20-VHT0	1	2412	MCS0	18.50	17.06
		6	2437		20.00	19.34
		11	2462		19.00	17.45
	802.11ax20-HE0	1	2412	MCS0	18.50	16.99
		6	2437		20.00	19.55
		11	2462		19.50	17.57
	802.11be20-EHT0	1	2412	MCS0	19.00	17.17
		6	2437		20.00	19.65
		11	2462		19.50	17.67
	802.11n40-HT0	3	2422	MCS0	18.00	16.37
		6	2437		19.50	17.89
		9	2452		18.50	17.03
	802.11ac40-VHT0	3	2422	MCS0	18.00	16.36
		6	2437		19.50	17.77
		9	2452		18.50	16.91
	802.11ax40-HE0	3	2422	MCS0	18.00	16.42
		6	2437		19.50	17.87
		9	2452		19.00	17.11
	802.11be40-EHT0	3	2422	MCS0	18.00	16.46
		6	2437		20.00	18.13
		9	2452		19.00	17.06

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5.15-5.25 GHz	802.11a	36	5180	6Mbps	19.00	17.22
		40	5200		19.00	17.03
		44	5220		19.00	17.18
		48	5240		19.00	17.14
	802.11n20-HT0	36	5180	MCS0	19.50	17.94
		40	5200		19.50	17.94
		44	5220		20.00	18.00
		48	5240		20.00	18.10
	802.11ac20-VHT0	36	5180	MCS0	19.50	17.82
		40	5200		19.50	17.94
		44	5220		20.00	18.04
		48	5240		20.00	18.04
	802.11ax20-HE0	36	5180	MCS0	20.00	18.03
		40	5200		20.00	18.04
		44	5220		20.00	18.14
		48	5240		20.00	18.08
	802.11be20-EHT0	36	5180	MCS0	20.00	18.16
		40	5200		20.00	18.25
		44	5220		20.00	18.22
		48	5240		20.00	18.22
	802.11n40-HT0	38	5190	MCS0	19.00	18.12
		46	5230		21.00	20.60
	802.11ac40-VHT0	38	5190	MCS0	19.00	17.04
		46	5230		21.00	19.20
	802.11ax40-HE0	38	5190	MCS0	19.00	17.30
		46	5230		21.00	19.20
	802.11be40-EHT0	38	5190	MCS0	19.00	17.46
		46	5230		21.00	19.29
	802.11ac80-VHT0	42	5210	MCS0	17.50	15.58
	802.11ax80-HE0	42	5210	MCS0	17.50	15.66
	802.11be80-EHT0	42	5210	MCS0	17.50	15.80
	802.11ac160-VHT0	50	5250	MCS0	10.50	8.57
	802.11ax160-HE0	50	5250	MCS0	10.50	8.87
	802.11be160-EHT0	50	5250	MCS0	11.00	9.07

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5.25-5.35 GHz	802.11a	52	5260	6Mbps	18.50	16.74
		56	5280		18.50	16.98
		60	5300		18.50	16.84
		64	5320		18.50	16.98
	802.11n20-HT0	52	5260	MCS0	20.00	18.10
		56	5280		20.00	18.19
		60	5300		20.00	18.07
		64	5320		20.00	18.06
	802.11ac20-VHT0	52	5260	MCS0	20.00	18.13
		56	5280		20.00	18.05
		60	5300		20.00	18.09
		64	5320		20.00	18.11
	802.11ax20-HE0	52	5260	MCS0	20.00	18.36
		56	5280		20.00	18.38
		60	5300		20.00	18.27
		64	5320		20.00	18.33
	802.11be20-EHT0	52	5260	MCS0	20.00	18.19
		56	5280		20.00	18.28
		60	5300		20.00	18.16
		64	5320		20.00	18.30
	802.11n40-HT0	54	5270	MCS0	21.00	20.12
		62	5310		19.00	18.26
	802.11ac40-VHT0	54	5270	MCS0	21.00	19.17
		62	5310		19.00	17.08
	802.11ax40-HE0	54	5270	MCS0	21.00	19.42
		62	5310		19.00	17.23
	802.11be40-EHT0	54	5270	MCS0	21.00	19.30
		62	5310		19.00	17.18
	802.11ac80-VHT0	58	5290	MCS0	17.50	15.75
	802.11ax80-HE0	58	5290	MCS0	17.50	15.83
	802.11be80-EHT0	58	5290	MCS0	17.50	15.90

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5.6GHz	802.11a	100	5500	6Mbps	18.50	16.77
		120	5600		18.50	16.81
		140	5700		18.00	16.32
		144	5720		16.50	14.98
	802.11n20-HT0	100	5500	MCS0	20.00	18.31
		120	5600		20.00	18.29
		140	5700		20.00	18.02
		144	5720		17.50	15.55
	802.11ac20-VHT0	100	5500	MCS0	20.00	18.23
		120	5600		20.00	18.12
		140	5700		20.00	18.09
		144	5720		17.50	15.62
	802.11ax20-HE0	100	5500	MCS0	20.00	18.54
		120	5600		20.00	18.43
		140	5700		20.00	18.22
		144	5720		14.00	12.29
	802.11be20-EHT0	100	5500	MCS0	20.00	18.39
		120	5600		20.00	18.30
		140	5700		20.00	18.29
		144	5720		15.00	13.41
	802.11n40-HT0	102	5510	MCS0	19.50	18.09
		118	5590		21.00	19.10
		134	5670		21.00	19.07
		142	5710		18.50	16.62
	802.11ac40-VHT0	102	5510	MCS0	19.50	18.02
		118	5590		21.00	19.06
		134	5670		21.00	19.03
		142	5710		18.50	16.63
	802.11ax40-HE0	102	5510	MCS0	19.50	18.01
		118	5590		21.00	19.51
		134	5670		21.00	19.52
		142	5710		18.00	16.07
	802.11be40-EHT0	102	5510	MCS0	19.50	17.86
		118	5590		21.00	19.04
		134	5670		21.00	19.14
		142	5710		18.50	16.88
	802.11ac80-VHT0	106	5530	MCS0	18.50	17.67
		122	5610		21.00	20.34
		138	5690		18.00	17.36
	802.11ax80-HE0	106	5530	MCS0	18.50	16.71
		122	5610		21.00	19.14
		138	5690		18.50	16.81
	802.11be80-EHT0	106	5530	MCS0	18.50	16.83
		122	5610		21.00	19.25
		138	5690		18.50	17.04
	802.11ac160-VHT0	114	5570	MCS0	17.00	15.06
	802.11ax160-HE0	114	5570	MCS0	17.00	15.20
	802.11be160-EHT0	114	5570	MCS0	17.00	15.21

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5.8GHz	802.11a	149	5745	6Mbps	20.50	19.29
		157	5785		20.50	19.31
		165	5825		20.50	19.33
	802.11n20-HT0	149	5745	MCS0	20.50	19.17
		157	5785		20.50	19.35
		165	5825		20.50	19.20
	802.11ac20-VHT0	149	5745	MCS0	20.50	19.17
		157	5785		20.50	19.20
		165	5825		20.50	19.22
	802.11ax20-HE0	149	5745	MCS0	20.50	19.18
		157	5785		20.50	19.32
		165	5825		20.50	19.32
	802.11be20-EHT0	149	5745	MCS0	20.50	19.15
		157	5785		20.50	19.19
		165	5825		20.50	19.22
	802.11n40-HT0	151	5755	MCS0	20.50	19.32
		159	5795		20.50	19.33
	802.11ac40-VHT0	151	5755	MCS0	20.50	19.20
		159	5795		20.50	19.33
	802.11ax40-HE0	151	5755	MCS0	20.50	19.25
		159	5795		20.50	19.25
	802.11be40-EHT0	151	5755	MCS0	20.50	19.33
		159	5795		20.50	19.20
	802.11ac80-VHT0	155	5775	MCS0	20.50	20.48
	802.11ax80-HE0	155	5775	MCS0	20.50	19.32
	802.11be80-EHT0	155	5775	MCS0	20.50	19.17

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台灣檢驗科技股份有限公司

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Ant Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.9GHz	802.11a	169	5845	6Mbps	14.50	12.91
		173	5865		15.00	13.21
		177	5885		15.00	13.18
	802.11n20-HT0	169	5845	MCS0	18.50	16.72
		173	5865		18.50	16.72
		177	5885		19.00	17.06
	802.11ac20-VHT0	169	5845	MCS0	18.50	16.82
		173	5865		18.50	16.66
		177	5885		19.00	17.10
	802.11ax20-HE0	169	5845	MCS0	18.50	16.98
		173	5865		18.50	16.82
		177	5885		17.00	15.31
	802.11be20-EHT0	169	5845	MCS0	18.50	16.99
		173	5865		18.50	16.86
		177	5885		17.00	15.44
	802.11n40-HT0	167	5835	MCS0	20.50	19.19
		175	5875		20.50	19.30
	802.11ac40-VHT0	167	5835	MCS0	20.50	19.23
		175	5875		20.50	19.21
	802.11ax40-HE0	167	5835	MCS0	20.50	19.31
		175	5875		20.50	19.20
	802.11be40-EHT0	167	5835	MCS0	20.50	19.18
		175	5875		20.50	19.35
	802.11ac80-VHT0	171	5855	MCS0	20.50	20.16
	802.11ax80-HE0	171	5855	MCS0	20.50	19.23
	802.11be80-EHT0	171	5855	MCS0	20.50	19.29
	802.11ac160-VHT0	163	5815	MCS0	18.50	16.99
	802.11ax160-HE0	163	5815	MCS0	19.00	17.19
	802.11be160-EHT0	163	5815	MCS0	19.00	17.20

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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	21.50	20.99
		6	2437		21.00	20.87
		11	2462		21.50	21.05
	802.11g	1	2412	6Mbps	18.00	16.49
		6	2437		21.50	19.53
		11	2462		18.50	16.63
	802.11n20-HT0	1	2412	MCS0	18.50	17.02
		6	2437		21.50	19.82
		11	2462		19.00	17.39
	802.11ac20-VHT0	1	2412	MCS0	18.50	16.97
		6	2437		21.50	19.86
		11	2462		19.00	17.34
	802.11ax20-HE0	1	2412	MCS0	18.50	16.89
		6	2437		21.50	19.98
		11	2462		19.00	17.50
	802.11be20-EHT0	1	2412	MCS0	18.50	17.01
		6	2437		21.50	20.14
		11	2462		19.00	17.60
	802.11n40-HT0	3	2422	MCS0	18.50	16.66
		6	2437		19.50	17.93
		9	2452		18.00	16.60
	802.11ac40-VHT0	3	2422	MCS0	18.50	16.70
		6	2437		19.50	17.92
		9	2452		18.00	16.58
	802.11ax40-HE0	3	2422	MCS0	18.50	16.75
		6	2437		19.50	17.95
		9	2452		18.50	16.65
	802.11be40-EHT0	3	2422	MCS0	18.50	16.68
		6	2437		20.00	18.11
		9	2452		18.50	16.77

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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	17.00	16.50
		40	5200		17.00	16.57
		44	5220		17.00	16.42
		48	5240		17.00	16.43
	802.11n20-HT0	36	5180	MCS0	17.00	16.56
		40	5200		17.00	16.57
		44	5220		17.00	16.47
		48	5240		17.00	16.54
	802.11ac20-VHT0	36	5180	MCS0	17.00	16.48
		40	5200		17.00	16.41
		44	5220		17.00	16.50
		48	5240		17.00	16.45
	802.11ax20-HE0	36	5180	MCS0	17.00	16.51
		40	5200		17.00	16.46
		44	5220		17.00	16.45
		48	5240		17.00	16.57
	802.11be20-EHT0	36	5180	MCS0	17.00	16.41
		40	5200		17.00	16.47
		44	5220		17.00	16.47
		48	5240		17.00	16.47
	802.11n40-HT0	38	5190	MCS0	17.00	16.52
		46	5230		17.00	16.49
	802.11ac40-VHT0	38	5190	MCS0	17.00	16.41
		46	5230		17.00	16.58
	802.11ax40-HE0	38	5190	MCS0	17.00	16.42
		46	5230		17.00	16.48
	802.11be40-EHT0	38	5190	MCS0	17.00	16.45
		46	5230		17.00	16.58
	802.11ac80-VHT0	42	5210	MCS0	17.00	16.71
	802.11ax80-HE0	42	5210	MCS0	17.00	16.58
	802.11be80-EHT0	42	5210	MCS0	17.00	16.58
	802.11ac160-VHT0	50	5250	MCS0	10.50	9.12
	802.11ax160-HE0	50	5250	MCS0	10.50	8.88
	802.11be160-EHT0	50	5250	MCS0	11.00	9.25

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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	17.00	16.41
		56	5280		17.00	16.44
		60	5300		17.00	16.50
		64	5320		17.00	16.45
	802.11n20-HT0	52	5260	MCS0	17.00	16.52
		56	5280		17.00	16.52
		60	5300		17.00	16.52
		64	5320		17.00	16.44
	802.11ac20-VHT0	52	5260	MCS0	17.00	16.42
		56	5280		17.00	16.46
		60	5300		17.00	16.41
		64	5320		17.00	16.50
	802.11ax20-HE0	52	5260	MCS0	17.00	16.45
		56	5280		17.00	16.58
		60	5300		17.00	16.46
		64	5320		17.00	16.46
	802.11be20-EHT0	52	5260	MCS0	17.00	16.44
		56	5280		17.00	16.46
		60	5300		17.00	16.42
		64	5320		17.00	16.51
	802.11n40-HT0	54	5270	MCS0	17.00	16.52
		62	5310		17.00	16.52
	802.11ac40-VHT0	54	5270	MCS0	17.00	16.58
		62	5310		17.00	16.48
	802.11ax40-HE0	54	5270	MCS0	17.00	16.43
		62	5310		17.00	16.52
	802.11be40-EHT0	54	5270	MCS0	17.00	16.57
		62	5310		17.00	16.48
	802.11ac80-VHT0	58	5290	MCS0	17.00	16.85
	802.11ax80-HE0	58	5290	MCS0	17.00	16.47
	802.11be80-EHT0	58	5290	MCS0	17.00	16.56

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	16.00	15.42
		120	5600		16.00	15.46
		140	5700		16.00	15.58
		144	5720		16.00	15.49
	802.11n20-HT0	100	5500	MCS0	16.00	15.57
		120	5600		16.00	15.49
		140	5700		16.00	15.42
		144	5720		16.00	15.54
	802.11ac20-VHT0	100	5500	MCS0	16.00	15.48
		120	5600		16.00	15.58
		140	5700		16.00	15.55
		144	5720		16.00	15.58
	802.11ax20-HE0	100	5500	MCS0	16.00	15.51
		120	5600		16.00	15.56
		140	5700		16.00	15.52
		144	5720		15.50	14.05
	802.11be20-EHT0	100	5500	MCS0	16.00	15.48
		120	5600		16.00	15.53
		140	5700		16.00	15.41
		144	5720		16.00	15.57
	802.11n40-HT0	102	5510	MCS0	16.00	15.48
		118	5590		16.00	15.40
		134	5670		16.00	15.54
		142	5710		16.00	15.46
	802.11ac40-VHT0	102	5510	MCS0	16.00	15.47
		118	5590		16.00	15.45
		134	5670		16.00	15.51
		142	5710		16.00	15.45
	802.11ax40-HE0	102	5510	MCS0	16.00	15.40
		118	5590		16.00	15.53
		134	5670		16.00	15.49
		142	5710		16.00	15.43
	802.11be40-EHT0	102	5510	MCS0	16.00	15.52
		118	5590		16.00	15.40
		134	5670		16.00	15.45
		142	5710		16.00	15.45
	802.11ac80-VHT0	106	5530	MCS0	16.00	15.60
		122	5610		16.00	15.57
		138	5690		16.00	15.59
	802.11ax80-HE0	106	5530	MCS0	16.00	15.57
		122	5610		16.00	15.41
		138	5690		16.00	15.48
	802.11be80-EHT0	106	5530	MCS0	16.00	15.54
		122	5610		16.00	15.44
		138	5690		16.00	15.57
	802.11ac160-VHT0	114	5570	MCS0	16.00	15.95
	802.11ax160-HE0	114	5570	MCS0	16.00	15.60
	802.11be160-EHT0	114	5570	MCS0	16.00	15.41

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5.8GHz	802.11a	149	5745	6Mbps	16.00	15.52
		157	5785		16.00	15.48
		165	5825		16.00	15.44
	802.11n20-HT0	149	5745	MCS0	16.00	15.46
		157	5785		16.00	15.55
		165	5825		16.00	15.50
	802.11ac20-VHT0	149	5745	MCS0	16.00	15.49
		157	5785		16.00	15.55
		165	5825		16.00	15.58
	802.11ax20-HE0	149	5745	MCS0	16.00	15.52
		157	5785		16.00	15.44
		165	5825		16.00	15.48
	802.11be20-EHT0	149	5745	MCS0	16.00	15.44
		157	5785		16.00	15.53
		165	5825		16.00	15.57
	802.11n40-HT0	151	5755	MCS0	16.00	15.52
		159	5795		16.00	15.59
	802.11ac40-VHT0	151	5755	MCS0	16.00	15.58
		159	5795		16.00	15.51
	802.11ax40-HE0	151	5755	MCS0	16.00	15.54
		159	5795		16.00	15.48
	802.11be40-EHT0	151	5755	MCS0	16.00	15.58
		159	5795		16.00	15.44
	802.11ac80-VHT0	155	5775	MCS0	16.00	15.51
	802.11ax80-HE0	155	5775	MCS0	16.00	15.46
	802.11be80-EHT0	155	5775	MCS0	16.00	15.46

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		173	5865		15.50	13.68
		177	5885		15.50	13.72
	802.11n20-HT0	169	5845	MCS0	17.00	16.52
		173	5865		17.00	16.57
		177	5885		17.00	16.58
	802.11ac20-VHT0	169	5845	MCS0	17.00	16.55
		173	5865		17.00	16.47
		177	5885		17.00	16.47
	802.11ax20-HE0	169	5845	MCS0	17.00	16.42
		173	5865		17.00	16.50
		177	5885		17.00	16.59
	802.11be20-EHT0	169	5845	MCS0	17.00	16.51
		173	5865		17.00	16.56
		177	5885		17.00	16.44
	802.11n40-HT0	167	5835	MCS0	17.00	16.48
		175	5875		17.00	16.50
	802.11ac40-VHT0	167	5835	MCS0	17.00	16.40
		175	5875		17.00	16.59
	802.11ax40-HE0	167	5835	MCS0	17.00	16.41
		175	5875		17.00	16.46
	802.11be40-EHT0	167	5835	MCS0	17.00	16.44
		175	5875		17.00	16.43
	802.11ac80-VHT0	171	5855	MCS0	17.00	16.59
	802.11ax80-HE0	171	5855	MCS0	17.00	16.57
	802.11be80-EHT0	171	5855	MCS0	17.00	16.45
	802.11ac160-VHT0	163	5815	MCS0	17.00	16.64
	802.11ax160-HE0	163	5815	MCS0	17.00	16.51
	802.11be160-EHT0	163	5815	MCS0	17.00	16.45

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7.2 WLAN 6GHz

Notebook mode

Ant Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	18.00	16.80
		45	6175		18.00	17.03
		93	6415		18.00	16.86
	802.11ax20-HE0	1	5955	MCS0	21.50	20.17
		45	6175		21.00	19.91
		93	6415		21.00	20.03
	802.11be20-EHT0	1	5955	MCS0	21.50	20.38
		45	6175		21.00	20.09
		93	6415		21.00	20.01
	802.11ax40-HE0	3	5965	MCS0	21.00	19.86
		43	6165		22.00	21.00
		91	6405		22.50	20.98
	802.11be40-EHT0	3	5965	MCS0	21.00	19.95
		43	6165		22.50	21.11
		91	6405		22.50	21.14
	802.11ax80-HE0	7	5985	MCS0	20.00	18.86
		39	6145		22.00	20.97
		87	6385		22.00	20.85
	802.11be80-EHT0	7	5985	MCS0	20.00	19.04
		39	6145		22.00	21.08
		87	6385		22.00	21.10
	802.11ax160-HE0	15	6025	MCS0	22.50	21.91
		47	6185		22.50	21.96
		79	6345		22.50	21.81
	802.11be160-EHT0	15	6025	MCS0	22.50	21.12
		47	6185		22.50	21.11
		79	6345		22.50	21.29

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Ant Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	2.00	0.53
		105	6475		2.00	0.61
		113	6515		2.00	0.76
	802.11ax20-HE0	97	6435	MCS0	4.50	3.15
		105	6475		4.50	3.05
		113	6515		4.50	3.45
	802.11be20-EHT0	97	6435	MCS0	4.50	3.58
		105	6475		4.50	3.41
		113	6515		4.50	3.42
	802.11ax40-HE0	99	6445	MCS0	7.50	6.05
		107	6485		7.00	6.10
	802.11be40-EHT0	99	6445	MCS0	7.50	6.15
		107	6485		7.00	6.01
	802.11ax80-HE0	103	6465	MCS0	10.00	8.92
		119	6545		9.50	8.51
	802.11be80-EHT0	103	6465	MCS0	10.00	9.05
		119	6545		10.00	8.52
	802.11ax160-HE0	111	6505	MCS0	13.50	12.43
	802.11be160-EHT0	111	6505	MCS0	13.50	12.04

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Ant Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	18.00	17.01
		149	6695		18.00	16.95
		181	6855		18.00	16.91
	802.11ax20-HE0	117	6535	MCS0	21.50	20.39
		149	6695		21.50	20.21
		181	6855		21.50	20.41
	802.11be20-EHT0	117	6535	MCS0	21.50	20.60
		149	6695		21.50	20.52
		181	6855		21.50	20.54
	802.11ax40-HE0	115	6525	MCS0	22.00	20.99
		147	6685		22.00	20.99
		179	6845		22.00	20.90
	802.11be40-EHT0	115	6525	MCS0	22.00	21.04
		147	6685		22.00	21.06
		179	6845		22.00	21.02
	802.11ax80-HE0	135	6625	MCS0	22.50	21.06
		151	6705		22.00	20.97
		167	6785		22.50	21.13
	802.11be80-EHT0	135	6625	MCS0	22.50	21.11
		151	6705		22.50	21.19
		167	6785		22.50	21.31
	802.11ax160-HE0	143	6665	MCS0	22.50	21.65
		175	6825		22.50	21.79
	802.11be160-EHT0	143	6665	MCS0	22.50	21.47
		175	6825		22.50	21.50

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Ant Main						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	1.50	0.36
		209	6995		2.00	0.72
		233	7115		2.00	0.56
	802.11ax20-HE0	185	6875	MCS0	3.50	2.30
		209	6995		4.50	3.46
		233	7115		4.50	3.59
	802.11be20-EHT0	185	6875	MCS0	3.50	2.20
		209	6995		5.00	3.74
		233	7115		5.00	3.55
	802.11ax40-HE0	187	6885	MCS0	8.00	6.63
		227	7085		7.00	6.00
	802.11be40-EHT0	187	6885	MCS0	8.00	6.50
		227	7085		7.00	5.95
	802.11ax80-HE0	183	6865	MCS0	10.00	8.82
		199	6945		10.00	8.82
		215	7025		10.50	9.11
	802.11be80-EHT0	183	6865	MCS0	10.50	9.05
		199	6945		10.50	9.07
		215	7025		10.50	9.31
	802.11ax160-HE0	207	6985	MCS0	13.50	12.32
	802.11be160-EHT0	207	6985	MCS0	13.50	12.27

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Ant Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	18.00	16.93
		45	6175		18.00	16.76
		93	6415		18.00	16.74
	802.11ax20-HE0	1	5955	MCS0	21.00	20.09
		45	6175		21.50	20.10
		93	6415		21.50	20.17
	802.11be20-EHT0	1	5955	MCS0	21.50	20.11
		45	6175		21.50	20.28
		93	6415		21.50	20.29
	802.11ax40-HE0	3	5965	MCS0	21.00	19.61
		43	6165		22.00	21.06
		91	6405		21.50	20.69
	802.11be40-EHT0	3	5965	MCS0	21.00	19.85
		43	6165		22.50	21.15
		91	6405		22.00	20.77
	802.11ax80-HE0	7	5985	MCS0	20.00	18.87
		39	6145		22.00	21.14
		87	6385		22.00	21.04
	802.11be80-EHT0	7	5985	MCS0	20.00	18.98
		39	6145		22.50	21.18
		87	6385		22.50	21.16
	802.11ax160-HE0	15	6025	MCS0	22.50	21.14
		47	6185		22.50	21.32
		79	6345		22.50	21.60
	802.11be160-EHT0	15	6025	MCS0	22.00	20.93
		47	6185		22.50	21.06
		79	6345		22.00	20.99

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	2.00	0.53
		105	6475		2.00	0.55
		113	6515		2.00	0.62
	802.11ax20-HE0	97	6435	MCS0	4.00	2.58
		105	6475		4.50	3.31
		113	6515		4.50	3.46
	802.11be20-EHT0	97	6435	MCS0	4.50	3.39
		105	6475		4.50	3.49
		113	6515		4.50	3.58
	802.11ax40-HE0	99	6445	MCS0	7.50	6.24
		107	6485		7.00	6.04
	802.11be40-EHT0	99	6445	MCS0	7.50	6.21
		107	6485		7.50	6.10
	802.11ax80-HE0	103	6465	MCS0	10.00	9.07
		119	6545		10.00	8.64
	802.11be80-EHT0	103	6465	MCS0	10.50	9.21
		119	6545		10.00	8.78
	802.11ax160-HE0	111	6505	MCS0	13.00	12.49
	802.11be160-EHT0	111	6505	MCS0	13.00	12.06

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Ant Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	18.00	16.94
		149	6695		18.00	16.98
		181	6855		18.00	16.92
	802.11ax20-HE0	117	6535	MCS0	21.00	20.05
		149	6695		21.50	20.23
		181	6855		21.50	20.30
	802.11be20-EHT0	117	6535	MCS0	21.50	20.25
		149	6695		21.50	20.51
		181	6855		21.50	20.52
	802.11ax40-HE0	115	6525	MCS0	22.50	21.35
		147	6685		22.50	21.24
		179	6845		22.50	21.27
	802.11be40-EHT0	115	6525	MCS0	22.50	21.42
		147	6685		22.50	21.38
		179	6845		22.50	21.51
	802.11ax80-HE0	135	6625	MCS0	22.50	21.27
		151	6705		22.00	20.94
		167	6785		22.50	21.25
	802.11be80-EHT0	135	6625	MCS0	22.50	21.18
		151	6705		22.00	21.05
		167	6785		22.50	21.50
	802.11ax160-HE0	143	6665	MCS0	22.50	21.55
		175	6825		22.50	21.76
	802.11be160-EHT0	143	6665	MCS0	22.50	21.37
		175	6825		22.50	21.27

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Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	1.50	0.27
		209	6995		1.50	0.59
		233	7115		2.00	0.59
	802.11ax20-HE0	185	6875	MCS0	3.50	2.35
		209	6995		4.50	3.47
		233	7115		5.00	3.69
	802.11be20-EHT0	185	6875	MCS0	3.50	2.57
		209	6995		4.50	3.53
		233	7115		5.00	3.72
	802.11ax40-HE0	187	6885	MCS0	7.50	6.42
		227	7085		7.00	5.92
	802.11be40-EHT0	187	6885	MCS0	7.50	6.40
		227	7085		7.00	5.99
	802.11ax80-HE0	183	6865	MCS0	10.50	9.17
		199	6945		10.50	9.21
		215	7025		10.50	9.06
	802.11be80-EHT0	183	6865	MCS0	10.50	9.14
		199	6945		10.50	9.35
		215	7025		10.50	9.29
	802.11ax160-HE0	207	6985	MCS0	13.50	12.74
	802.11be160-EHT0	207	6985	MCS0	13.50	12.32

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Tablet mode

Ant Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	18.00	16.80
		45	6175		18.00	17.03
		93	6415		18.00	16.86
	802.11ax20-HE0	1	5955	MCS0	18.50	17.06
		45	6175		18.50	17.12
		93	6415		18.50	17.12
	802.11be20-EHT0	1	5955	MCS0	18.50	17.14
		45	6175		18.50	17.18
		93	6415		18.50	17.13
	802.11ax40-HE0	3	5965	MCS0	18.50	17.03
		43	6165		18.50	17.11
		91	6405		18.50	17.07
	802.11be40-EHT0	3	5965	MCS0	18.50	17.02
		43	6165		18.50	17.08
		91	6405		18.50	17.05
	802.11ax80-HE0	7	5985	MCS0	18.50	17.04
		39	6145		18.50	17.20
		87	6385		18.50	17.03
	802.11be80-EHT0	7	5985	MCS0	18.50	17.18
		39	6145		18.50	17.06
		87	6385		18.50	17.17
	802.11ax160-HE0	15	6025	MCS0	18.50	17.53
		47	6185		18.50	17.78
		79	6345		18.50	17.68
	802.11be160-EHT0	15	6025	MCS0	18.50	17.20
		47	6185		18.50	17.03
		79	6345		18.50	17.02

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	2.00	0.53
		105	6475		2.00	0.61
		113	6515		2.00	0.76
	802.11ax20-HE0	97	6435	MCS0	4.50	3.15
		105	6475		4.50	3.05
		113	6515		4.50	3.45
	802.11be20-EHT0	97	6435	MCS0	4.50	3.58
		105	6475		4.50	3.41
		113	6515		4.50	3.42
	802.11ax40-HE0	99	6445	MCS0	7.50	6.05
		107	6485		7.00	6.10
	802.11be40-EHT0	99	6445	MCS0	7.50	6.15
		107	6485		7.00	6.01
	802.11ax80-HE0	103	6465	MCS0	10.00	8.92
		119	6545		9.50	8.51
	802.11be80-EHT0	103	6465	MCS0	10.00	9.05
		119	6545		10.00	8.52
	802.11ax160-HE0	111	6505	MCS0	13.50	12.43
	802.11be160-EHT0	111	6505	MCS0	13.50	12.04

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Ant Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	18.00	17.01
		149	6695		18.00	16.95
		181	6855		18.00	16.91
	802.11ax20-HE0	117	6535	MCS0	18.50	17.10
		149	6695		18.50	17.08
		181	6855		18.50	17.00
	802.11be20-EHT0	117	6535	MCS0	18.50	17.18
		149	6695		18.50	17.07
		181	6855		18.50	17.09
	802.11ax40-HE0	115	6525	MCS0	18.50	17.16
		147	6685		18.50	17.01
		179	6845		18.50	17.16
	802.11be40-EHT0	115	6525	MCS0	18.50	17.03
		147	6685		18.50	17.15
		179	6845		18.50	17.18
	802.11ax80-HE0	135	6625	MCS0	18.50	17.09
		151	6705		18.50	17.16
		167	6785		18.50	17.06
	802.11be80-EHT0	135	6625	MCS0	18.50	17.17
		151	6705		18.50	17.20
		167	6785		18.50	17.19
	802.11ax160-HE0	143	6665	MCS0	18.50	17.73
		175	6825		18.50	18.07
	802.11be160-EHT0	143	6665	MCS0	18.50	17.07
		175	6825		18.50	17.04

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Ant Main						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	1.50	0.36
		209	6995		2.00	0.72
		233	7115		2.00	0.56
	802.11ax20-HE0	185	6875	MCS0	3.50	2.30
		209	6995		4.50	3.46
		233	7115		4.50	3.59
	802.11be20-EHT0	185	6875	MCS0	3.50	2.20
		209	6995		5.00	3.74
		233	7115		5.00	3.55
	802.11ax40-HE0	187	6885	MCS0	8.00	6.63
		227	7085		7.00	6.00
	802.11be40-EHT0	187	6885	MCS0	8.00	6.50
		227	7085		7.00	5.95
	802.11ax80-HE0	183	6865	MCS0	10.00	8.82
		199	6945		10.00	8.82
		215	7025		10.50	9.11
	802.11be80-EHT0	183	6865	MCS0	10.50	9.05
		199	6945		10.50	9.07
		215	7025		10.50	9.31
	802.11ax160-HE0	207	6985	MCS0	13.50	12.32
	802.11be160-EHT0	207	6985	MCS0	13.50	12.27

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11a	1	5955	6Mbps	18.00	16.93
		45	6175		18.00	16.76
		93	6415		18.00	16.74
	802.11ax20-HE0	1	5955	MCS0	18.50	17.51
		45	6175		18.50	17.55
		93	6415		18.50	17.54
	802.11be20-EHT0	1	5955	MCS0	18.50	17.66
		45	6175		18.50	17.57
		93	6415		18.50	17.60
	802.11ax40-HE0	3	5965	MCS0	18.50	17.68
		43	6165		18.50	17.60
		91	6405		18.50	17.56
	802.11be40-EHT0	3	5965	MCS0	18.50	17.65
		43	6165		18.50	17.58
		91	6405		18.50	17.51
	802.11ax80-HE0	7	5985	MCS0	18.50	17.61
		39	6145		18.50	17.63
		87	6385		18.50	17.64
	802.11be80-EHT0	7	5985	MCS0	18.50	17.69
		39	6145		18.50	17.63
		87	6385		18.50	17.58
	802.11ax160-HE0	15	6025	MCS0	18.50	18.02
		47	6185		18.50	18.35
		79	6345		18.50	17.78
	802.11be160-EHT0	15	6025	MCS0	18.50	17.52
		47	6185		18.50	17.62
		79	6345		18.50	17.58

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U-NII-6 6.5GHz	802.11a	97	6435	6Mbps	1.50	0.53
		105	6475		1.50	0.55
		113	6515		2.00	0.62
	802.11ax20-HE0	97	6435	MCS0	4.00	2.58
		105	6475		4.50	3.31
		113	6515		4.50	3.46
	802.11be20-EHT0	97	6435	MCS0	4.50	3.39
		105	6475		4.50	3.49
		113	6515		4.50	3.58
	802.11ax40-HE0	99	6445	MCS0	7.50	6.24
		107	6485		7.00	6.04
	802.11be40-EHT0	99	6445	MCS0	7.50	6.21
		107	6485		7.50	6.10
	802.11ax80-HE0	103	6465	MCS0	10.00	9.07
		119	6545		10.00	8.64
	802.11be80-EHT0	103	6465	MCS0	10.50	9.21
		119	6545		10.00	8.78
	802.11ax160-HE0	111	6505	MCS0	13.00	12.49
	802.11be160-EHT0	111	6505	MCS0	13.00	12.06

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U-NII-7 6.7GHz	802.11a	117	6535	6Mbps	18.00	16.94
		149	6695		18.00	16.98
		181	6855		18.00	16.92
	802.11ax20-HE0	117	6535	MCS0	18.50	17.60
		149	6695		18.50	17.65
		181	6855		18.50	17.56
	802.11be20-EHT0	117	6535	MCS0	18.50	17.70
		149	6695		18.50	17.61
		181	6855		18.50	17.55
	802.11ax40-HE0	115	6525	MCS0	18.50	17.68
		147	6685		18.50	17.69
		179	6845		18.50	17.53
	802.11be40-EHT0	115	6525	MCS0	18.50	17.56
		147	6685		18.50	17.55
		179	6845		18.50	17.62
	802.11ax80-HE0	135	6625	MCS0	18.50	17.59
		151	6705		18.50	17.63
		167	6785		18.50	17.57
	802.11be80-EHT0	135	6625	MCS0	18.50	17.51
		151	6705		18.50	17.52
		167	6785		18.50	17.57
	802.11ax160-HE0	143	6665	MCS0	18.50	17.70
		175	6825		18.50	18.24
	802.11be160-EHT0	143	6665	MCS0	18.50	17.58
		175	6825		18.50	17.56

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U-NII-8 7.0GHz	802.11a	185	6875	6Mbps	1.50	0.27
		209	6995		1.50	0.59
		233	7115		2.00	0.59
	802.11ax20-HE0	185	6875	MCS0	3.50	2.35
		209	6995		4.50	3.47
		233	7115		5.00	3.69
	802.11be20-EHT0	185	6875	MCS0	3.50	2.57
		209	6995		4.50	3.53
		233	7115		5.00	3.72
	802.11ax40-HE0	187	6885	MCS0	7.50	6.42
		227	7085		7.00	5.92
	802.11be40-EHT0	187	6885	MCS0	7.50	6.40
		227	7085		7.00	5.99
	802.11ax80-HE0	183	6865	MCS0	10.50	9.17
		199	6945		10.50	9.21
		215	7025		10.50	9.06
	802.11be80-EHT0	183	6865	MCS0	10.50	9.14
		199	6945		10.50	9.35
		215	7025		10.50	9.29
	802.11ax160-HE0	207	6985	MCS0	13.50	12.74
	802.11be160-EHT0	207	6985	MCS0	13.50	12.32

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7.3 Bluetooth

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	10.50	10.02	8.00	7.71	8.00	7.65
	CH 39	2441		9.86		7.69		7.62
	CH 78	2480		10.01		7.40		7.72

7.4 BLE

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_1M	CH 00	2402	10.5	9.91
	CH 19	2440		10.09
	CH 39	2480		9.95
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_2M	CH 00	2402	10	9.80
	CH 19	2440		9.86
	CH 39	2480		9.81
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_125k	CH 00	2402	10.5	10.06
	CH 19	2440		10.08
	CH 39	2480		9.94
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_500k	CH 00	2402	10.5	10.07
	CH 19	2440		10.20
	CH 39	2480		10.08

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8 SUMMARY OF RESULTS

8.1 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.

8.2 Summary of SAR Results

Notebook mode

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	22.00	21.81	1.01	104.47%	0.015	0.016	001
WLAN 802.11b	Ant Main	Bottom Surface	0	6	2437	21.50	20.77	1.01	118.30%	0.011	0.013	-
WLAN 802.11b	Ant Main	Bottom Surface	0	11	2462	21.50	20.84	1.01	116.41%	0.013	0.015	-
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 802.11n(40M) 5.2G	Ant Main	Bottom Surface	0	38	5190	19.00	18.12	1.06	122.46%	0.013	0.017	-
WLAN 802.11n(40M) 5.2G	Ant Main	Bottom Surface	0	46	5230	21.00	20.60	1.06	109.65%	0.020	0.023	002
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 802.11n(40M) 5.3G	Ant Main	Bottom Surface	0	54	5270	21.00	20.12	1.06	122.46%	0.021	0.027	003
WLAN 802.11n(40M) 5.3G	Ant Main	Bottom Surface	0	62	5310	19.00	18.26	1.06	118.58%	0.014	0.018	-
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	18.50	17.67	1.10	121.06%	0.012	0.016	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Bottom Surface	0	122	5610	21.00	20.34	1.10	116.41%	0.023	0.029	004
WLAN 802.11ac(80M) 5.6G	Ant Main	Bottom Surface	0	138	5690	18.00	17.36	1.10	115.88%	0.010	0.013	-
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	21.00	20.48	1.10	112.72%	0.038	0.047	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) 5.9G	Ant Main	Bottom Surface	0	171	5855	21.50	20.16	1.10	136.14%	0.032	0.048	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	22.00	20.99	1.01	126.18%	0.068	0.087	-
WLAN 802.11b	Ant Aux	Bottom Surface	0	6	2437	21.00	20.87	1.01	103.04%	0.062	0.065	-
WLAN 802.11b	Ant Aux	Bottom Surface	0	11	2462	21.50	21.05	1.01	110.92%	0.073	0.082	007
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	
BLE 500k	Ant Aux	Bottom Surface	0	00	2402	10.50	10.07	1.15	110.46%	0.000	0.000	-
BLE 500k	Ant Aux	Bottom Surface	0	19	2440	10.50	10.20	1.15	107.20%	0.002	0.002	008
BLE 500k	Ant Aux	Bottom Surface	0	39	2480	10.50	10.08	1.15	110.20%	0.000	0.000	-
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 802.11n(40M) 5.2G	Ant Aux	Bottom Surface	0	38	5190	19.00	17.96	1.06	127.06%	0.021	0.028	-
WLAN 802.11n(40M) 5.2G	Ant Aux	Bottom Surface	0	46	5230	21.00	20.56	1.06	110.66%	0.034	0.040	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 802.11n(40M) 5.3G	Ant Aux	Bottom Surface	0	54	5270	21.00	20.11	1.06	122.74%	0.024	0.031	010
WLAN 802.11n(40M) 5.3G	Ant Aux	Bottom Surface	0	62	5310	19.00	18.17	1.06	121.06%	0.017	0.022	-
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	18.50	17.75	1.10	118.85%	0.022	0.029	-
WLAN 802.11ac(80M) 5.6G	Ant Aux	Bottom Surface	0	122	5610	21.00	20.58	1.10	110.15%	0.030	0.036	011
WLAN 802.11ac(80M) 5.6G	Ant Aux	Bottom Surface	0	138	5690	19.00	18.42	1.10	114.29%	0.024	0.030	-
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	21.50	20.49	1.10	126.18%	0.046	0.064	012

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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) 5.9G	Ant Aux	Bottom Surface	0	171	5855	21.50	21.37	1.10	103.04%	0.076	0.086	013

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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Bottom Surface	0	15	6025	22.50	21.91	1.16	114.55%	0.071	0.094	0.631	0.838	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Bottom Surface	0	47	6185	22.50	21.96	1.16	113.24%	0.076	0.100	0.676	0.888	014
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Bottom Surface	0	79	6345	22.50	21.81	1.16	117.22%	0.061	0.083	0.544	0.740	-
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Bottom Surface	0	111	6505	13.50	12.43	1.16	127.94%	0.007	0.010	0.058	0.086	015
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Bottom Surface	0	143	6665	22.50	21.65	1.16	121.62%	0.073	0.103	0.633	0.893	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Bottom Surface	0	175	6825	22.50	21.79	1.16	117.76%	0.078	0.107	0.659	0.900	016
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Bottom Surface	0	207	6985	13.50	12.32	1.16	131.22%	0.004	0.006	0.027	0.041	017
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Bottom Surface	0	15	6025	22.50	21.14	1.16	136.77%	0.001	0.002	0.004	0.006	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Bottom Surface	0	47	6185	22.50	21.32	1.16	131.22%	0.001	0.002	0.003	0.005	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Bottom Surface	0	79	6345	22.50	21.60	1.16	123.03%	0.005	0.007	0.009	0.013	018
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Bottom Surface	0	111	6505	13.00	12.49	1.16	112.46%	0.003	0.004	0.007	0.009	019
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Bottom Surface	0	143	6665	22.50	21.55	1.16	124.45%	0.055	0.079	0.311	0.449	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Bottom Surface	0	175	6825	22.50	21.76	1.16	118.58%	0.062	0.085	0.335	0.461	020
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Bottom Surface	0	207	6985	13.50	12.74	1.16	119.12%	0.006	0.008	0.013	0.018	021

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Tablet mode

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	Back Surface	0	11	2462	20.00	19.50	1.01	112.20%	0.220	0.250	-
WLAN 802.11b	Ant Main	Top Edge	0	1	2412	20.00	19.45	1.01	113.50%	0.678	0.780	-
WLAN 802.11b	Ant Main	Top Edge	0	6	2437	20.00	19.39	1.01	115.08%	0.671	0.783	-
WLAN 802.11b	Ant Main	Top Edge	0	11	2462	20.00	19.50	1.01	112.20%	0.695	0.791	022
WLAN 802.11b	Ant Main	Right Edge	0	11	2462	20.00	19.50	1.01	112.20%	0.045	0.051	-
WLAN 802.11b	Ant Main	Left Edge	0	11	2462	20.00	19.50	1.01	112.20%	0.034	0.039	-
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 802.11n(40M) 5.2G	Ant Main	Back Surface	0	46	5230	21.00	20.60	1.06	109.65%	0.286	0.332	-
WLAN 802.11n(40M) 5.2G	Ant Main	Top Edge	0	38	5190	19.00	18.12	1.06	122.46%	0.717	0.930	-
WLAN 802.11n(40M) 5.2G	Ant Main	Top Edge	0	46	5230	21.00	20.60	1.06	109.65%	0.903	1.049	023
WLAN 802.11n(40M) 5.2G	Ant Main	Right Edge	0	46	5230	21.00	20.60	1.06	109.65%	0.058	0.067	-
WLAN 802.11n(40M) 5.2G	Ant Main	Left Edge	0	46	5230	21.00	20.60	1.06	109.65%	0.045	0.052	-
WLAN 802.11n(40M) 5.2G	Ant Main	Top Edge*	0	46	5230	21.00	20.60	1.06	109.65%	0.897	1.042	-
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 802.11n(40M) 5.3G	Ant Main	Back Surface	0	54	5270	21.00	20.12	1.06	122.46%	0.230	0.298	-
WLAN 802.11n(40M) 5.3G	Ant Main	Top Edge	0	54	5270	21.00	20.12	1.06	122.46%	0.726	0.942	024
WLAN 802.11n(40M) 5.3G	Ant Main	Top Edge	0	62	5310	19.00	18.26	1.06	118.58%	0.557	0.699	-
WLAN 802.11n(40M) 5.3G	Ant Main	Right Edge	0	54	5270	21.00	20.12	1.06	122.46%	0.047	0.061	-
WLAN 802.11n(40M) 5.3G	Ant Main	Left Edge	0	54	5270	21.00	20.12	1.06	122.46%	0.036	0.047	-
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	Back Surface	0	122	5610	21.00	20.34	1.10	116.41%	0.217	0.277	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Top Edge	0	106	5530	18.50	17.67	1.10	121.06%	0.477	0.632	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Top Edge	0	122	5610	21.00	20.34	1.10	116.41%	0.686	0.874	025
WLAN 802.11ac(80M) 5.6G	Ant Main	Top Edge	0	138	5690	18.00	17.36	1.10	115.88%	0.463	0.587	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Right Edge	0	122	5610	21.00	20.34	1.10	116.41%	0.044	0.056	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Left Edge	0	122	5610	21.00	20.34	1.10	116.41%	0.034	0.043	-
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	Back Surface	0	155	5775	20.50	20.48	1.10	100.46%	0.249	0.274	-
WLAN 802.11ac(80M) 5.8G	Ant Main	Top Edge	0	155	5775	20.50	20.48	1.10	100.46%	0.788	0.867	026
WLAN 802.11ac(80M) 5.8G	Ant Main	Right Edge	0	155	5775	20.50	20.48	1.10	100.46%	0.051	0.056	-
WLAN 802.11ac(80M) 5.8G	Ant Main	Left Edge	0	155	5775	20.50	20.48	1.10	100.46%	0.039	0.043	-
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) 5.9G	Ant Main	Back Surface	0	171	5855	20.50	20.16	1.10	108.14%	0.272	0.322	-
WLAN 802.11ac(80M) 5.9G	Ant Main	Top Edge	0	171	5855	20.50	20.16	1.10	108.14%	0.859	1.017	027
WLAN 802.11ac(80M) 5.9G	Ant Main	Right Edge	0	171	5855	20.50	20.16	1.10	108.14%	0.055	0.065	-
WLAN 802.11ac(80M) 5.9G	Ant Main	Left Edge	0	171	5855	20.50	20.16	1.10	108.14%	0.042	0.050	-
WLAN 802.11ac(80M) 5.9G	Ant Main	Top Edge*	0	171	5855	20.50	20.16	1.10	108.14%	0.813	0.963	-
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	Back Surface	0	11	2462	21.50	21.05	1.01	110.92%	0.293	0.330	-
WLAN 802.11b	Ant Aux	Top Edge	0	1	2412	21.50	20.99	1.01	112.46%	0.532	0.607	-
WLAN 802.11b	Ant Aux	Top Edge	0	6	2437	21.00	20.87	1.01	103.04%	0.588	0.614	-
WLAN 802.11b	Ant Aux	Top Edge	0	11	2462	21.50	21.05	1.01	110.92%	0.654	0.736	028
WLAN 802.11b	Ant Aux	Right Edge	0	11	2462	21.50	21.05	1.01	110.92%	0.001	0.001	-
WLAN 802.11b	Ant Aux	Left Edge	0	11	2462	21.50	21.05	1.01	110.92%	0.204	0.229	-
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	
BLE 500k	Ant Aux	Back Surface	0	19	2440	10.50	10.20	1.15	107.20%	0.016	0.020	-
BLE 500k	Ant Aux	Top Edge	0	00	2402	10.50	10.07	1.15	110.46%	0.031	0.039	-
BLE 500k	Ant Aux	Top Edge	0	19	2440	10.50	10.20	1.15	107.20%	0.037	0.046	029
BLE 500k	Ant Aux	Top Edge	0	39	2480	10.50	10.08	1.15	110.20%	0.030	0.038	-
BLE 500k	Ant Aux	Right Edge	0	19	2440	10.50	10.20	1.15	107.20%	0.001	0.001	-
BLE 500k	Ant Aux	Left Edge	0	19	2440	10.50	10.20	1.15	107.20%	0.011	0.014	-
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	Back Surface	0	42	5210	17.00	16.71	1.10	106.91%	0.293	0.343	-
WLAN 802.11ac(80M) 5.2G	Ant Aux	Top Edge	0	42	5210	17.00	16.71	1.10	106.91%	0.654	0.766	030
WLAN 802.11ac(80M) 5.2G	Ant Aux	Right Edge	0	42	5210	17.00	16.71	1.10	106.91%	0.001	0.001	-
WLAN 802.11ac(80M) 5.2G	Ant Aux	Left Edge	0	42	5210	17.00	16.71	1.10	106.91%	0.204	0.239	-
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	Back Surface	0	58	5290	17.00	16.85	1.10	103.51%	0.308	0.349	-
WLAN 802.11ac(80M) 5.3G	Ant Aux	Top Edge	0	58	5290	17.00	16.85	1.10	103.51%	0.686	0.778	031
WLAN 802.11ac(80M) 5.3G	Ant Aux	Right Edge	0	58	5290	17.00	16.85	1.10	103.51%	0.001	0.001	-
WLAN 802.11ac(80M) 5.3G	Ant Aux	Left Edge	0	58	5290	17.00	16.85	1.10	103.51%	0.214	0.243	-

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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(160M) 5.6G	Ant Aux	Back Surface	0	114	5570	16.00	15.95	1.16	101.16%	0.219	0.257	-
WLAN 802.11ac(160M) 5.6G	Ant Aux	Top Edge	0	114	5570	16.00	15.95	1.16	101.16%	0.488	0.573	032
WLAN 802.11ac(160M) 5.6G	Ant Aux	Right Edge	0	114	5570	16.00	15.95	1.16	101.16%	0.001	0.001	-
WLAN 802.11ac(160M) 5.6G	Ant Aux	Left Edge	0	114	5570	16.00	15.95	1.16	101.16%	0.152	0.178	-
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	Back Surface	0	155	5775	16.00	15.51	1.10	111.94%	0.175	0.215	-
WLAN 802.11ac(80M) 5.8G	Ant Aux	Top Edge	0	155	5775	16.00	15.51	1.10	111.94%	0.390	0.478	033
WLAN 802.11ac(80M) 5.8G	Ant Aux	Right Edge	0	155	5775	16.00	15.51	1.10	111.94%	0.001	0.001	-
WLAN 802.11ac(80M) 5.8G	Ant Aux	Left Edge	0	155	5775	16.00	15.51	1.10	111.94%	0.121	0.148	-
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(160M) 5.9G	Ant Aux	Back Surface	0	163	5815	17.00	16.64	1.16	108.64%	0.242	0.305	-
WLAN 802.11ac(160M) 5.9G	Ant Aux	Top Edge	0	163	5815	17.00	16.64	1.16	108.64%	0.539	0.679	034
WLAN 802.11ac(160M) 5.9G	Ant Aux	Right Edge	0	163	5815	17.00	16.64	1.16	108.64%	0.001	0.001	-
WLAN 802.11ac(160M) 5.9G	Ant Aux	Left Edge	0	163	5815	17.00	16.64	1.16	108.64%	0.168	0.212	-

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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Back Surface	0	47	6185	18.50	17.78	1.16	118.03%	0.182	0.249	1.55	2.122	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Top Edge	0	15	6025	18.50	17.53	1.16	125.03%	0.521	0.756	4.45	6.454	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Top Edge	0	47	6185	18.50	17.78	1.16	118.03%	0.580	0.794	4.96	6.791	035
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Top Edge	0	79	6345	18.50	17.68	1.16	120.78%	0.527	0.738	4.5	6.305	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Right Edge	0	47	6185	18.50	17.78	1.16	118.03%	0.037	0.051	0.316	0.433	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Left Edge	0	47	6185	18.50	17.78	1.16	118.03%	0.027	0.037	0.23	0.315	-
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Back Surface	0	111	6505	13.50	12.43	1.16	127.94%	0.050	0.074	0.431	0.640	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Top Edge	0	111	6505	13.50	12.43	1.16	127.94%	0.161	0.239	1.39	2.063	036
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Right Edge	0	111	6505	13.50	12.43	1.16	127.94%	0.010	0.015	0.086	0.128	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Left Edge	0	111	6505	13.50	12.43	1.16	127.94%	0.007	0.010	0.06	0.089	-
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Back Surface	0	175	6825	18.50	18.07	1.16	110.41%	0.228	0.292	1.91	2.446	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Top Edge	0	143	6665	18.50	17.73	1.16	119.40%	0.658	0.911	5.53	7.659	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Top Edge	0	175	6825	18.50	18.07	1.16	110.41%	0.727	0.931	6.12	7.838	037
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Right Edge	0	175	6825	18.50	18.07	1.16	110.41%	0.046	0.059	0.387	0.496	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Left Edge	0	175	6825	18.50	18.07	1.16	110.41%	0.034	0.044	0.286	0.366	-
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Back Surface	0	207	6985	13.50	12.32	1.16	131.22%	0.063	0.096	0.521	0.793	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Top Edge	0	207	6985	13.50	12.32	1.16	131.22%	0.203	0.309	1.68	2.557	038
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Right Edge	0	207	6985	13.50	12.32	1.16	131.22%	0.012	0.018	0.099	0.151	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Left Edge	0	207	6985	13.50	12.32	1.16	131.22%	0.009	0.014	0.074	0.113	-
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Back Surface	0	47	6185	18.50	18.35	1.16	103.51%	0.167	0.201	1.38	1.657	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Top Edge	0	15	6025	18.50	18.02	1.16	111.69%	0.491	0.636	4.06	5.260	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Top Edge	0	47	6185	18.50	18.35	1.16	103.51%	0.533	0.640	4.41	5.295	039
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Top Edge	0	79	6345	18.50	17.78	1.16	118.03%	0.463	0.634	3.83	5.244	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Right Edge	0	47	6185	18.50	18.35	1.16	103.51%	0.025	0.030	0.206	0.247	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Left Edge	0	47	6185	18.50	18.35	1.16	103.51%	0.034	0.041	0.281	0.337	-
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Back Surface	0	111	6505	13.00	12.49	1.16	112.46%	0.040	0.052	0.309	0.403	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Top Edge	0	111	6505	13.00	12.49	1.16	112.46%	0.128	0.167	0.990	1.291	040
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Right Edge	0	111	6505	13.00	12.49	1.16	112.46%	0.006	0.008	0.046	0.060	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Left Edge	0	111	6505	13.00	12.49	1.16	112.46%	0.008	0.010	0.061	0.080	-
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Back Surface	0	175	6825	18.50	18.24	1.16	106.17%	0.165	0.203	1.27	1.564	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Top Edge	0	143	6665	18.50	17.70	1.16	120.23%	0.455	0.635	3.52	4.909	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Top Edge	0	175	6825	18.50	18.24	1.16	106.17%	0.526	0.648	4.07	5.012	041
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Right Edge	0	175	6825	18.50	18.24	1.16	106.17%	0.025	0.031	0.193	0.238	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Left Edge	0	175	6825	18.50	18.24	1.16	106.17%	0.033	0.041	0.255	0.314	-
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)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Back Surface	0	207	6985	13.50	12.74	1.16	119.12%	0.035	0.048	0.274	0.379	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Top Edge	0	207	6985	13.50	12.74	1.16	119.12%	0.112	0.155	0.878	1.213	042
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Right Edge	0	207	6985	13.50	12.74	1.16	119.12%	0.005	0.007	0.012	0.017	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Left Edge	0	207	6985	13.50	12.74	1.16	119.12%	0.007	0.010	0.054	0.075	-

Note: * - repeated at the highest SAR measurement according to the KDB 865664 D01

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Note:

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

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

8.3 Summary of PD Results

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	PD result(4cm)				ID
											Measured Total psPD (W/m ²)	Reported Total psPD (W/m ²)	Measured Normal psPD (W/m ²)	Reported Normal psPD (W/m ²)	
WLAN 6E 802.11ax(160M) U-NII-7	Ant Main	Top Edge	2	175	6825	18.50	18.07	110.41%	1.16	1.55	4.280	8.496	3.900	7.742	043
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	PD result(4cm)				ID
											Measured Total psPD (W/m ²)	Reported Total psPD (W/m ²)	Measured Normal psPD (W/m ²)	Reported Normal psPD (W/m ²)	
WLAN 6E 802.11ax(160M) U-NII-5	Ant Aux	Top Edge	2	47	6185	18.50	18.35	103.51%	1.16	1.55	5.120	9.529	4.780	8.896	044

Note:

Reported PD = measured PD * Power scaling * Duty cycle scaling * Uncertainty scaling

8.4 Reporting statements of conformity

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

8.5 Conclusion

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

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9 SIMULTANEOUS TRANSMISSION ANALYSIS

9.1 Simultaneous Transmission Scenarios:

Simultaneous Transmission configurations
WLAN 2.4GHz Main + BT Aux
WLAN 2.4GHz Main + WLAN 2.4GHz Aux
WLAN 5GHz Main + BT Aux
WLAN 5GHz Main + WLAN 5GHz Aux
WLAN 5GHz Main + WLAN 5GHz Aux + BT Aux
WLAN 6GHz Main + BT Aux
WLAN 6GHz Main + WLAN 6GHz Aux
WLAN 6GHz Main + WLAN 6GHz Aux + BT Aux

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9.2 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.

9.3 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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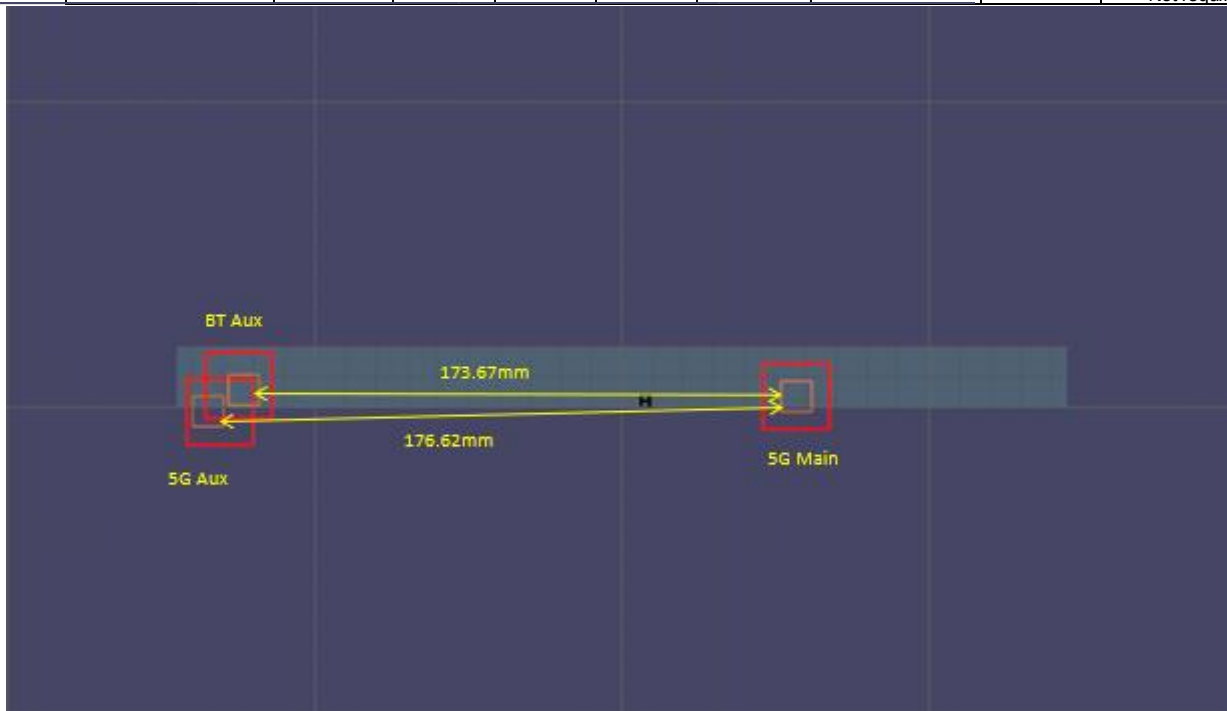
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Simultaneous Transmission Combination

Exposure Position		Reported SAR							Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
		2	3	4	5	7	8	9	2+3	4+5	2+7	4+7	4+5+7	7+8	8+9	7+8+9
		2.4GHz WLAN Ant Main	2.4GHz WLAN Ant Aux	5GHz WLAN Ant Main	5GHz WLAN Ant Aux	Bluetooth Ant Aux	6GHz WLAN Ant Main	6GHz WLAN Ant Aux	Summed	Summed	Summed	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Bottom Surface	0	0.016	0.087	0.048	0.086	0.002	0.107	0.085	0.103	0.134	0.018	0.050	0.136	0.109	0.192	0.194
Back Surface	0	0.250	0.330	0.332	0.349	0.020	0.292	0.203	0.580	0.681	0.270	0.352	0.701	0.312	0.495	0.515
Top Edge	0	0.791	0.736	1.049	0.778	0.046	0.931	0.648	1.527	1.827	0.837	1.095	1.873	0.977	1.579	1.625
Right Edge	0	0.051	0.001	0.067	0.001	0.001	0.059	0.031	0.052	0.068	0.052	0.068	0.069	0.060	0.090	0.091
Left Edge	0	0.039	0.229	0.052	0.243	0.014	0.044	0.041	0.268	0.295	0.053	0.066	0.309	0.058	0.085	0.099

SPLSR

Scenario 3&5									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top Edge	WLAN 5G Main	1.049	-0.02	5.64	-17.70	-	-	-	-
	WLAN 5G Aux	0.778	-0.28	-12.02	-17.70	1.827	176.62	0.014	SPLSR $\leq$ 0.04, Not required
	BT Aux	0.046	-0.50	-11.72	-17.70	1.095	173.67	0.007	SPLSR $\leq$ 0.04, Not required
	WLAN5G + BT Aux	0.824	-0.50	-11.72	-17.70	1.873	173.67	0.015	SPLSR $\leq$ 0.04, Not required

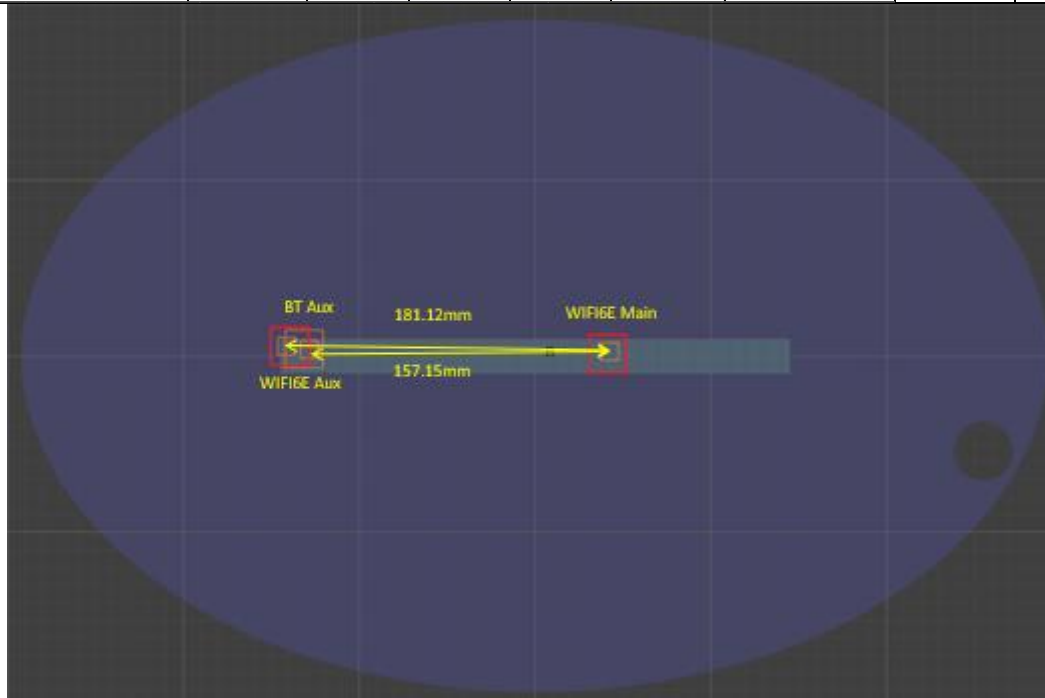


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Scenario 8									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Top Edge	WiFi6E Main	0.931	-0.12	3.99	-17.70	-	-	-	-
	WiFi6E Aux	0.648	-0.78	-14.11	-17.70	1.579	181.12	0.011	SPLSR $\leq$ 0.04, Not required
	BT Aux	0.046	-0.50	-11.72	-17.70	0.977	157.15	0.006	SPLSR $\leq$ 0.04, Not required
	WiFi6E + BT Aux	0.694	-0.50	-11.72	-17.70	1.625	157.15	0.013	SPLSR $\leq$ 0.04, Not required



9.4 Conclusion

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

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10 INSTRUMENTS LIST

Equipment List					
Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Data acquisition Electronics	DAE4	1665	Mar/11/2025	Mar/10/2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7642	Feb/19/2025	Feb/18/2026
SPEAG	E-field Probe for Near Field Application	EUmmWV3	9399	Jan/14/2025	Jan/13/2026
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	System Validation Dipole	D6.5GHzV2	1006	Aug/12/2025	Aug/11/2026
SPEAG	System Validation Dipole	D7GHzV2	1007	Aug/12/2025	Aug/11/2026
SPEAG	5G Verification Source 10GHz	5G-Veri10	1021	Jan/16/2025	Jan/15/2026
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/17/2025	Feb/16/2026
Agilent	MXG Analog Signal Generator	N5181A	MY50145142	Dec/20/2024	Dec/19/2025
R&S	FSV Signal Analyzer	FSV3013	101742	May/19/2025	May/18/2026
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	Software	DASY 8 mmWave V3.0.0.841	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	mmWave Phantom	N/A	Calibration not required	Calibration not required
LKM	Digital thermometer	DTM3000	3896	Dec/26/2024	Dec/25/2025
TECPEL	Digital thermometer	HTC-1	EC23010602	Dec/30/2024	Dec/29/2025

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11 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%	∞
<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.)	1.99%	N	1	1	0.64	0.43	1.27%	0.86%	M
Liquid Conductivity (mea.)	2.41%	N	1	1	0.6	0.49	1.45%	1.18%	M
Combined standard uncertainty		RSS					11.87%	11.80%	
Expan uncertainty (95% confidence interval), K=2							23.75%	23.59%	

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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 Distribution	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	$\sqrt{3}$	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	$\sqrt{3}$	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	$\sqrt{3}$	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	$\sqrt{3}$	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	$\sqrt{3}$	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	$\sqrt{3}$	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	$\sqrt{3}$	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	$\sqrt{3}$	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
Probe positioner	0.40%	R	$\sqrt{3}$	1.732	1	1	0.23%	0.23%	∞
Mechanical restrictions									
Probe Positioning with respect to phantom shell	2.90%	R	$\sqrt{3}$	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	$\sqrt{3}$	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	$\sqrt{3}$	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	$\sqrt{3}$	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	1.73%	N	1	1	0.64	0.43	1.11%	0.74%	M
Liquid Conductivity (mea.)	3.90%	N	1	1	0.6	0.49	2.34%	1.91%	M
Combined standard uncertainty		RSS					11.71%	11.59%	
Expanded uncertainty (95% confidence interval), K=2							23.41%	23.18%	

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DASY6 Uncertainty Budget
According to IEC/IEEE 62209-1528
(Frequency band: 6GHz - 10GHz range)

a	b	c	d		e	e	f=b * e / d	f=b * e / d
Source of Uncertainty	Uncertainty Value (±%)	Probability Distribution	Div.	Div. Value	(ci) 1g	(ci) 10g	Std. uncertainty (1g) (±%)	Std. uncertainty (10g) (±%)
Measurement system errors								
Probe calibration	18.6	N	2	2	1	1	9.3	9.3
Probe Calibration Drift	1.7	R	√3	1.732	1	1	1.0	1.0
Probe Linearity	4.7	R	√3	1.732	1	1	2.7	2.7
Broadband Signal	2.8	R	√3	1.732	1	1	1.6	1.6
Probe Isotropy	7.6	R	√3	1.732	1	1	4.4	4.4
Data Acquisition	0.3	N	1	1	1	1	0.3	0.3
RF Ambient	1.8	N	1	1	1	1	1.8	1.8
Probe positioning	0.2	N	1	1	0.67	0.67	0.1	0.1
Data Processing	3.5	N	1	1	1	1	3.5	3.5
Phantom and device errors								
Conductivity (meas.)DAK	2.5	N	1	1	0.78	0.71	2.0	1.8
Conductivity (temp.)BB	2.4	R	√3	1.732	0.78	0.71	1.1	1.0
Phantom Permittivity	14.0	R	√3	1.732	0.5	0.5	4.0	4.0
Distance DUT - TSL	2.0	N	1	1	2	2	4.0	4.0
Device Positioning (±0.5mm)	1.0	N	1	1	1	1	1.0	1.0
Device Holder	3.6	N	1	1	1	1	3.6	3.6
DUT Modulationm	2.4	R	√3	1.732	1	1	1.4	1.4
Time-average SAR	0.0	R	√3	1.732	1	1	0.0	0.0
DUT drift	2.5	N	1	1	1	1	2.5	2.5
Val Antenna Unc.	0.0	N	1	1	1	1	0.0	0.0
Unc. Input Power	0.0	N	1	1	1	1	0.0	0.0
Correction to the SAR results								
Deviation to Target	1.90	N	1	1	1	0.84	1.9	1.6
SAR scaling		R	√3	1.732	1	1	0.0	0.0
Combined Std. uncertainty							14.0	13.9
Expanded Std. uncertainty (95% confidence interval), K=2							28.0	27.8

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cDASY6 Module mmWave Uncertainty Budget for PD Evaluation Distances to the Antennas $\geq \lambda/5$ In Compliance with IEC/IEEE 63195

a	b	c	d		e	f=b * e / d	g
Source of Uncertainty	Uncertainty Value (+dB)	Probability Distribution	Div.	Div. Value	ci	Std. uncertainty (+dB)	(vi) Veff
Uncertainty terms dependent on the measurement system							
Probe calibration	0.49	N	1	1	1	0.49	∞
Probe correction	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Frequency response (BW $\leq$ 1GHz)	0.20	R	$\sqrt{3}$	1.732	1	0.12	∞
Sensor cross coupling	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Isotropy	0.50	R	$\sqrt{3}$	1.732	1	0.29	∞
Linearity	0.20	R	$\sqrt{3}$	1.732	1	0.12	∞
Probe scattering	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Probe positioning offset	0.30	R	$\sqrt{3}$	1.732	1	0.17	∞
Probe positioning repeatability	0.04	R	$\sqrt{3}$	1.732	1	0.02	∞
Sensor mechanical offset	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Probe spatial resolution	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Field impedance dependance	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Amplitude and phase drift	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Amplitude and phase noise	0.04	R	$\sqrt{3}$	1.732	1	0.02	∞
Measurement area truncation	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Data acquisition	0.03	N	1	1	1	0.03	∞
Sampling	0.00	R	$\sqrt{3}$	1	1	0.00	∞
Field reconstruction	2.00	R	$\sqrt{3}$	1.732	1	1.15	∞
Forward transformation	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Power density scaling	-	R	$\sqrt{3}$	1.732	1	-	∞
Spatial averaging	0.10	R	$\sqrt{3}$	1.732	1	0.06	∞
System detection limit	0.04	R	$\sqrt{3}$	1.732	1	0.02	∞
Uncertainty terms dependent on the DUT and environmental factors							
Probe coupling with DUT	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Modulation response	0.40	R	$\sqrt{3}$	1.732	1	0.23	∞
Integration time	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Response time	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Device holder influence	0.10	R	$\sqrt{3}$	1.732	1	0.06	∞
DUT alignment	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
RF ambient conditions	0.04	R	$\sqrt{3}$	1.732	1	0.02	∞
Ambient reflections	0.04	R	$\sqrt{3}$	1.732	1	0.02	∞
Immunity / secondary reception	0.00	R	$\sqrt{3}$	1.732	1	0.00	∞
Drift of the DUT	-	R	$\sqrt{3}$	1.732	1	-	∞
Combined Std. uncertainty						1.33	
Expanded Std. uncertainty (95% confidence interval), K=2						2.67	

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12 SAR MEASUREMENT RESULTS

ID: 001

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11b_Body_Bottom Surface_CH 1_0mm_Main

Ambient temperature: 22.2°C; Liquid temperature: 21.5°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	2412.0, 1	7.6	1.835	39.944

Hardware Setup

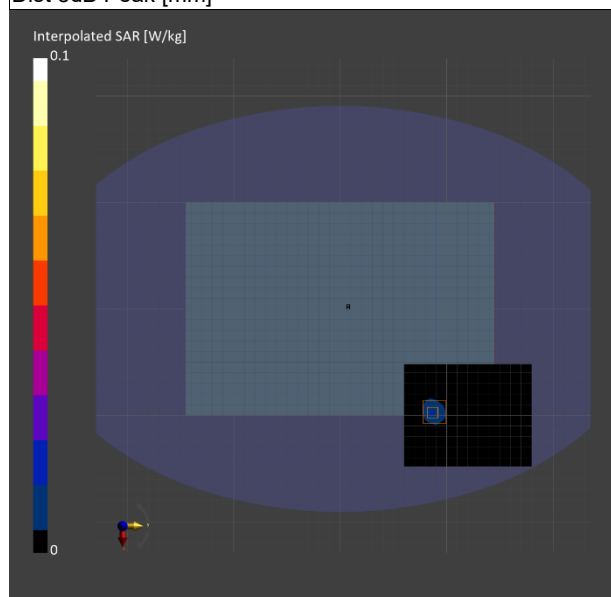
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 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	2025-11-30	2025-11-30
psSAR1g [W/kg]	0.013	0.015
psSAR8g [W/kg]	0.007	0.005
psSAR10g [W/kg]	0.006	0.005
Power Drift [dB]	0.02	0.03
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		5.9



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ID: 002

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11n(40M)5.2G_Body_Bottom Surface_CH 46_0mm_Main

Ambient temperature: 22.9°C; Liquid temperature: 21.8°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	5230.0, 46	5.82	4.8	36.628

Hardware Setup

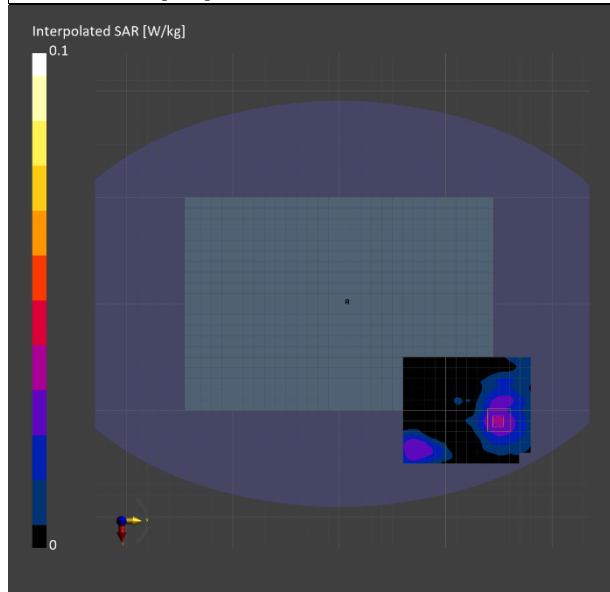
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	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	2025-12-01	2025-12-01
psSAR1g [W/kg]	0.026	0.020
psSAR8g [W/kg]	0.013	0.009
psSAR10g [W/kg]	0.012	0.008
Power Drift [dB]	0.04	0.02
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		12.0



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ID: 003

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11n(40M)5.3G_Body_Bottom Surface_CH 54_0mm_Main

Ambient temperature: 22.9°C; Liquid temperature: 21.8°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	5270.0, 54	5.82	4.842	36.582

Hardware Setup

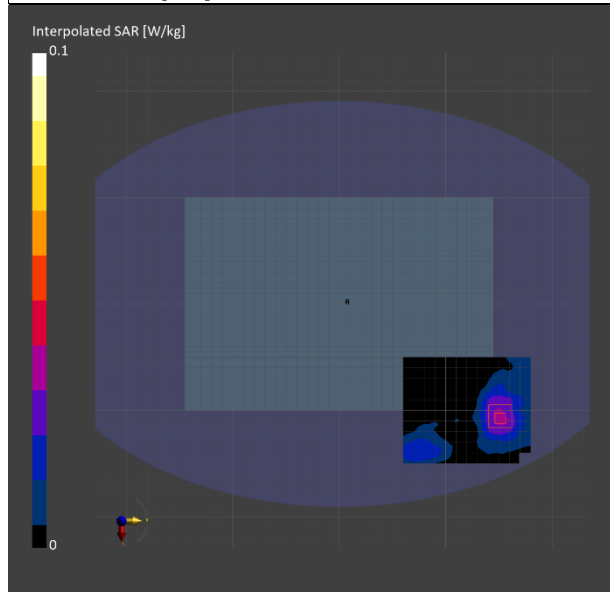
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	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	2025-12-01	2025-12-01
psSAR1g [W/kg]	0.027	0.021
psSAR8g [W/kg]	0.013	0.009
psSAR10g [W/kg]	0.012	0.008
Power Drift [dB]	0.02	0.02
M2/M1 [%]		56.9
Dist 3dB Peak [mm]		12.0



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ID: 004

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M)5.6G_Body_Bottom Surface_CH 122_0mm_Main

Ambient temperature: 22.1°C; Liquid temperature: 21.1°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	5610.0, 122	5.44	5.199	36.193

Hardware Setup

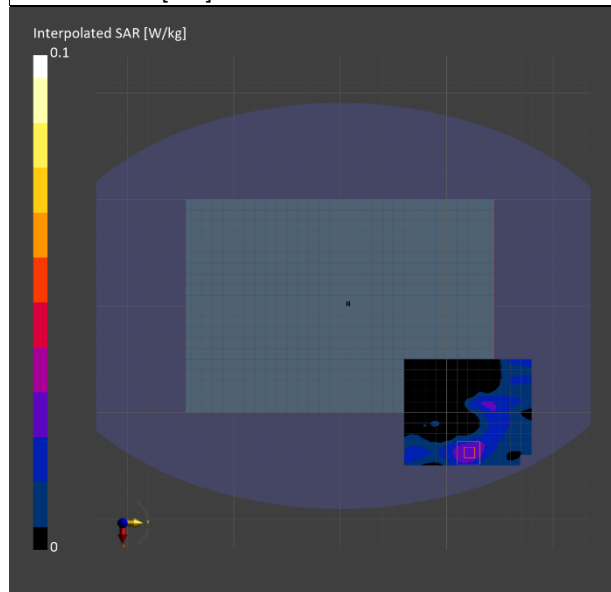
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	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	2025-12-02	2025-12-02
psSAR1g [W/kg]	0.025	0.023
psSAR8g [W/kg]	0.012	0.01
psSAR10g [W/kg]	0.011	0.009
Power Drift [dB]	-0.04	0.05
M2/M1 [%]		56.9
Dist 3dB Peak [mm]		16.8



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ID: 005

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.8G_Body_Bottom Surface_CH 155_0mm_Main

Ambient temperature: 22.5°C; Liquid temperature: 21.5°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	5775.0, 155	5.46	5.371	36.005

Hardware Setup

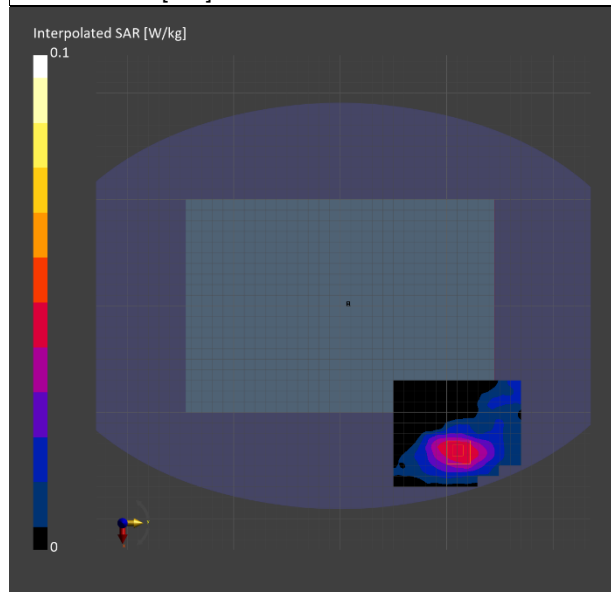
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	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	2025-12-03	2025-12-03
psSAR1g [W/kg]	0.039	0.038
psSAR8g [W/kg]	0.019	0.016
psSAR10g [W/kg]	0.017	0.014
Power Drift [dB]	0.05	0.04
M2/M1 [%]		53.2
Dist 3dB Peak [mm]		11.2



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ID: 006

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.9G_Body_Bottom Surface_CH 171_0mm_Main

Ambient temperature: 22.5°C; Liquid temperature: 21.5°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	5855.0, 171	5.49	5.455	35.913

Hardware Setup

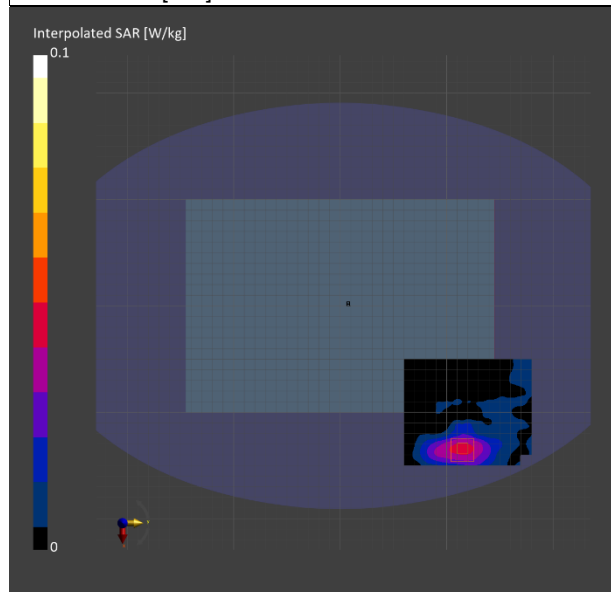
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	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	2025-12-03	2025-12-03
psSAR1g [W/kg]	0.035	0.032
psSAR8g [W/kg]	0.017	0.014
psSAR10g [W/kg]	0.015	0.012
Power Drift [dB]	0.03	-0.04
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		14.9



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ID: 007

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11b_Body_Bottom Surface_CH 11_0mm_Aux

Ambient temperature: 22.2°C; Liquid temperature: 21.5°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	2462.0, 11	7.6	1.88	39.861

Hardware Setup

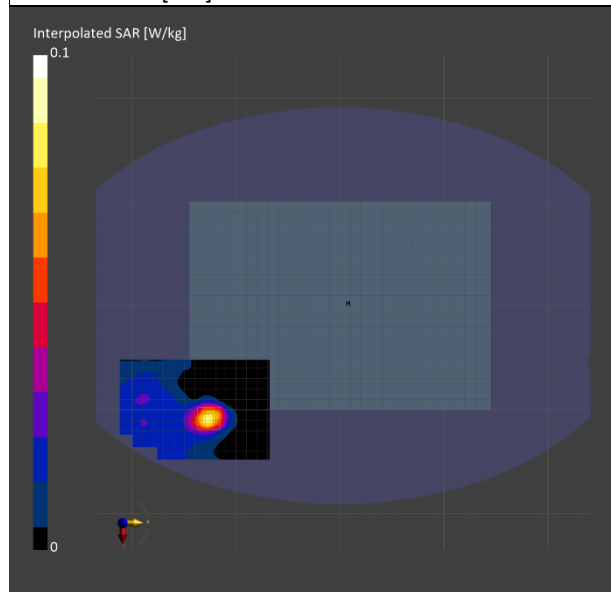
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 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	2025-11-30	2025-11-30
psSAR1g [W/kg]	0.067	0.073
psSAR8g [W/kg]	0.036	0.038
psSAR10g [W/kg]	0.033	0.035
Power Drift [dB]	-0.04	-0.03
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		9.0



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ID: 008

Report No. :TESA2511000849E5

Measurement Report_BLE 500k_Body_Bottom Surface_CH 19_0mm_Aux

Ambient temperature: 22.2°C; Liquid temperature: 21.5°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	2440.0, 19	7.6	1.86	39.894

Hardware Setup

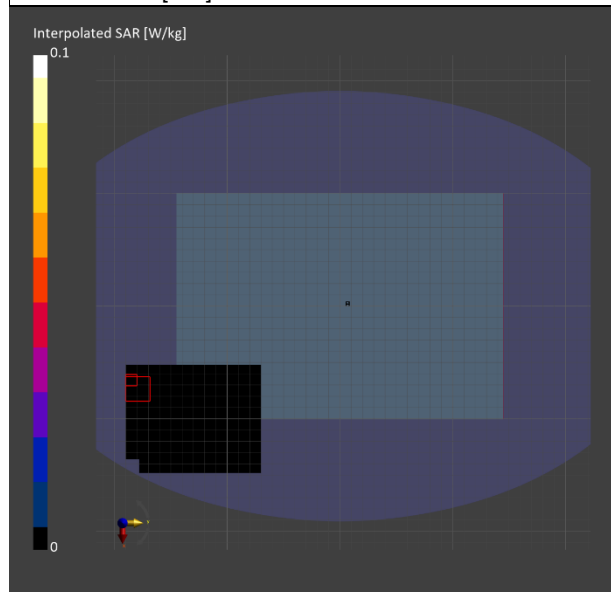
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 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	2025-11-30	2025-11-30
psSAR1g [W/kg]	0.002	0.002
psSAR8g [W/kg]	0	0
psSAR10g [W/kg]	0	0
Power Drift [dB]	-0.01	0.02
M2/M1 [%]		50.9
Dist 3dB Peak [mm]		5.1



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ID: 009

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11n(40M) 5.2G_Body_Bottom Surface_CH 46_0mm_Aux

Ambient temperature: 22.9°C; Liquid temperature: 21.8°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	5230.0, 46	5.82	4.8	36.628

Hardware Setup

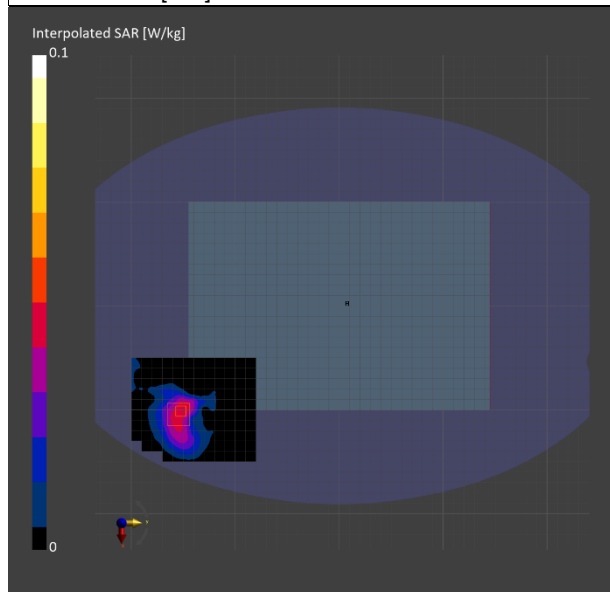
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	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	2025-12-01	2025-12-01
psSAR1g [W/kg]	0.036	0.034
psSAR8g [W/kg]	0.017	0.013
psSAR10g [W/kg]	0.016	0.011
Power Drift [dB]	0.03	0.02
M2/M1 [%]		56.1
Dist 3dB Peak [mm]		8.0



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ID: 010

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11n(40M) 5.3G_Body_Bottom Surface_CH 54_0mm_Aux

Ambient temperature: 22.9°C; Liquid temperature: 21.8°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	5270.0, 54	5.82	4.842	36.582

Hardware Setup

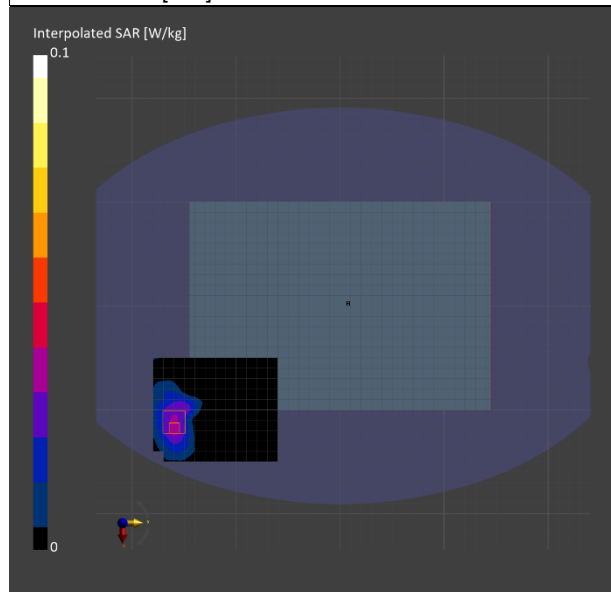
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	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	2025-12-01	2025-12-01
psSAR1g [W/kg]	0.028	0.024
psSAR8g [W/kg]	0.013	0.008
psSAR10g [W/kg]	0.012	0.007
Power Drift [dB]	0.05	-0.01
M2/M1 [%]		54.1
Dist 3dB Peak [mm]		14.2



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ID: 011

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Bottom Surface_CH 122_0mm_Aux

Ambient temperature: 22.1°C; Liquid temperature: 21.1°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	5610.0, 122	5.44	5.199	36.193

Hardware Setup

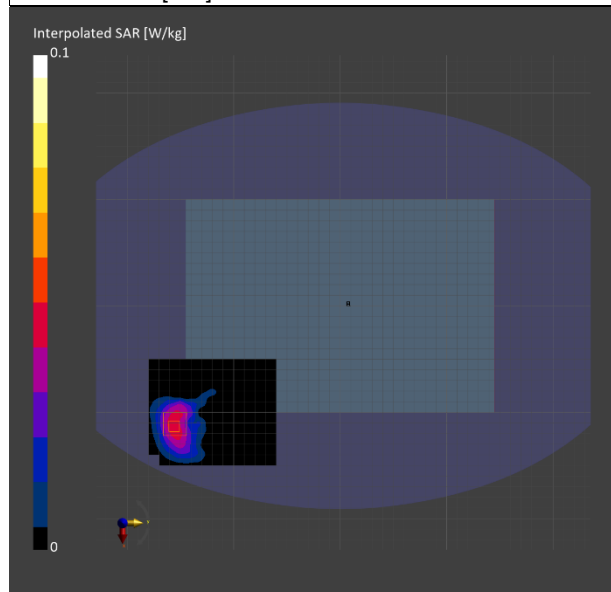
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	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	2025-12-02	2025-12-02
psSAR1g [W/kg]	0.036	0.030
psSAR8g [W/kg]	0.017	0.014
psSAR10g [W/kg]	0.015	0.013
Power Drift [dB]	0.01	0.03
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		12.0



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ID: 012

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.8G_Body_Bottom Surface_CH 155_0mm_Aux

Ambient temperature: 22.5°C; Liquid temperature: 21.5°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	5775.0, 155	5.46	5.371	36.005

Hardware Setup

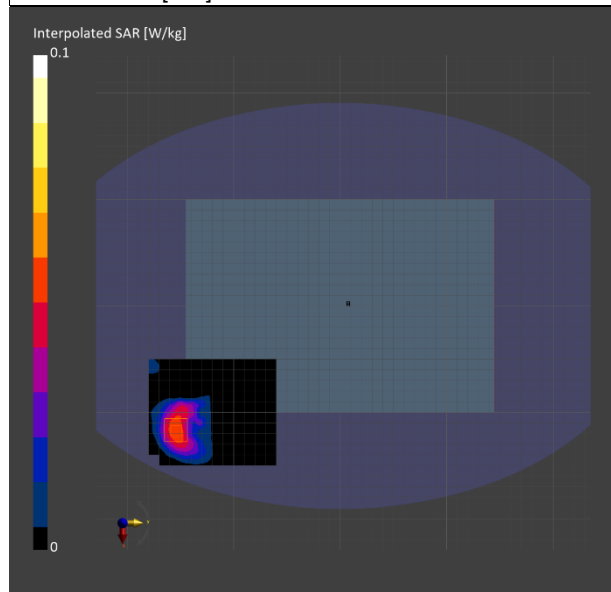
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	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	2025-12-03	2025-12-03
psSAR1g [W/kg]	0.045	0.046
psSAR8g [W/kg]	0.020	0.019
psSAR10g [W/kg]	0.019	0.017
Power Drift [dB]	-0.01	0.02
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		12.0



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ID: 013

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.9G_Body_Bottom Surface_CH 171_0mm_Aux

Ambient temperature: 22.5°C; Liquid temperature: 21.5°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	5855.0, 171	5.49	5.455	35.913

Hardware Setup

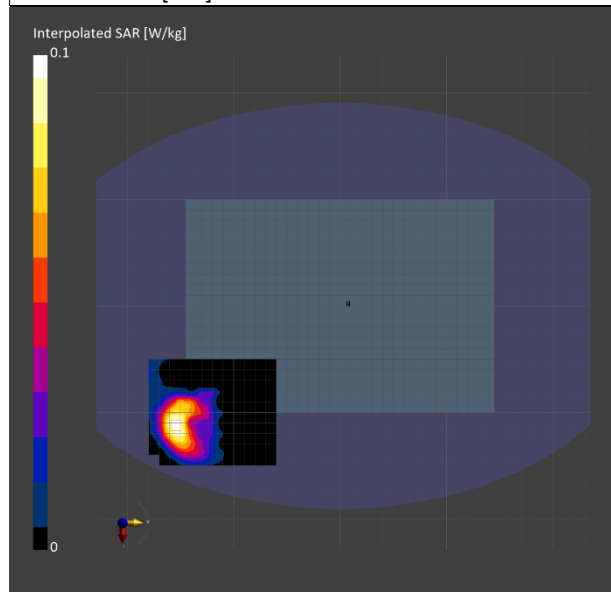
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	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	2025-12-03	2025-12-03
psSAR1g [W/kg]	0.076	0.076
psSAR8g [W/kg]	0.034	0.032
psSAR10g [W/kg]	0.031	0.029
Power Drift [dB]	0.02	-0.04
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		12.0



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ID: 014

Report No. :TESA2511000849E5

Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Bottom Surface_CH 47_0mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 21.4°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	6185.0, 47	5.66	5.805	35.526

Hardware Setup

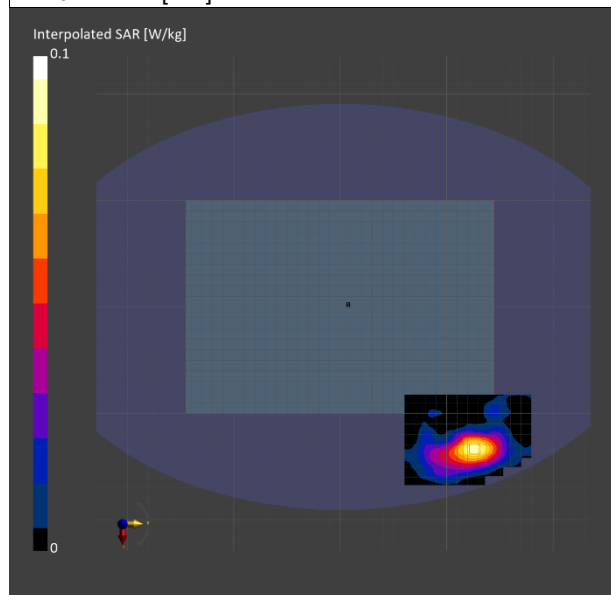
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 119.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.070	0.076
psSAR8g [W/kg]	0.031	0.034
psSAR10g [W/kg]	0.028	0.031
psPDab (4.0cm2, sq) [W/m2]		0.676
Power Drift [dB]	0.02	0.01
M2/M1 [%]		56.1
Dist 3dB Peak [mm]		12.3



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ID: 015

Report No. :TESA2511000849E5

Measurement Report_U-NII-6 6.5GHz 802.11ax(160M)_Body_Bottom Surface_CH 111_0mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 21.4°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	6505.0, 111	5.66	6.148	35.142

Hardware Setup

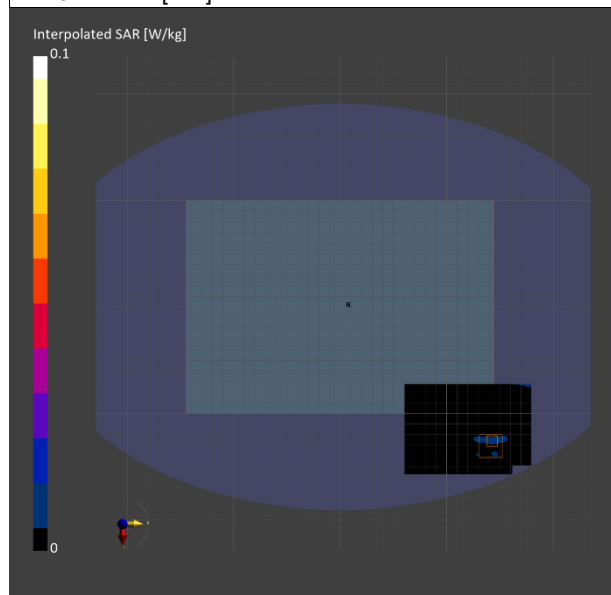
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 119.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.008	0.007
psSAR8g [W/kg]	0.003	0.003
psSAR10g [W/kg]	0.003	0.003
psPDab (4.0cm2, sq) [W/m2]		0.058
Power Drift [dB]	0.03	-0.02
M2/M1 [%]		69.1
Dist 3dB Peak [mm]		3.4



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ID: 016

Report No. :TESA2511000849E5

Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Bottom Surface_CH 175_0mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 21.4°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	6825.0, 175	5.81	6.495	34.758

Hardware Setup

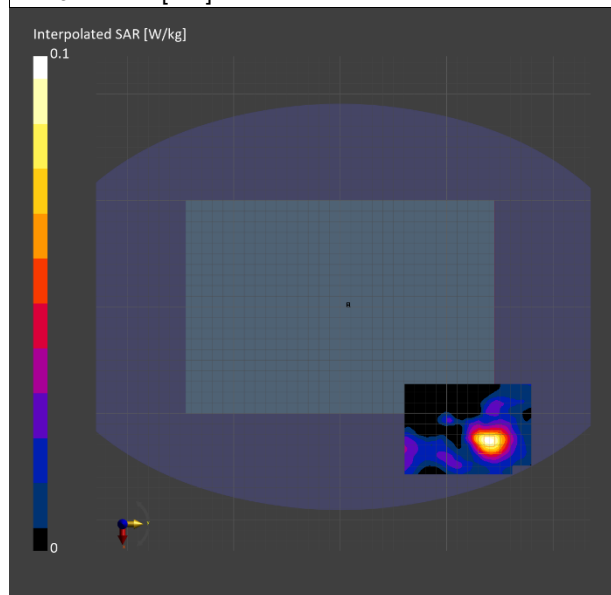
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 119.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.079	0.078
psSAR8g [W/kg]	0.033	0.033
psSAR10g [W/kg]	0.030	0.030
psPDab (4.0cm2, sq) [W/m2]		0.659
Power Drift [dB]	0.05	0.04
M2/M1 [%]		52.4
Dist 3dB Peak [mm]		11.6



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ID: 017

Report No. :TESA2511000849E5

Measurement Report_U-NII-8 7.0GHz 802.11ax(160M)_Body_Bottom Surface_CH 207_0mm_Main

Ambient temperature: 22.6°C; Liquid temperature: 21.2°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	6985.0, 207	5.81	6.670	34.566

Hardware Setup

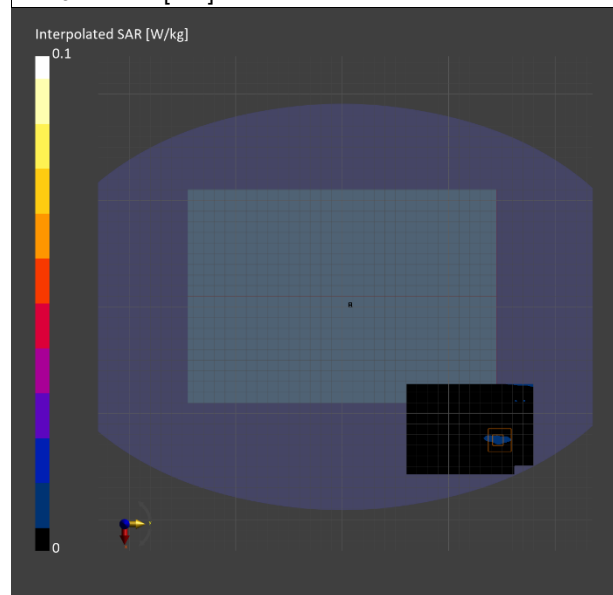
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 119.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-05	2025-12-05
psSAR1g [W/kg]	0.01	0.004
psSAR8g [W/kg]	0.003	0.001
psSAR10g [W/kg]	0.002	0.001
psPDab (4.0cm2, sq) [W/m2]		0.027
Power Drift [dB]	0.04	-0.04
M2/M1 [%]		64.9
Dist 3dB Peak [mm]		4.1



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ID: 018

Report No. :TESA2511000849E5

Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Bottom Surface_CH 79_0mm_Aux

Ambient temperature: 22.3°C; Liquid temperature: 21.4°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	6345.0, 79	5.66	5.976	35.334

Hardware Setup

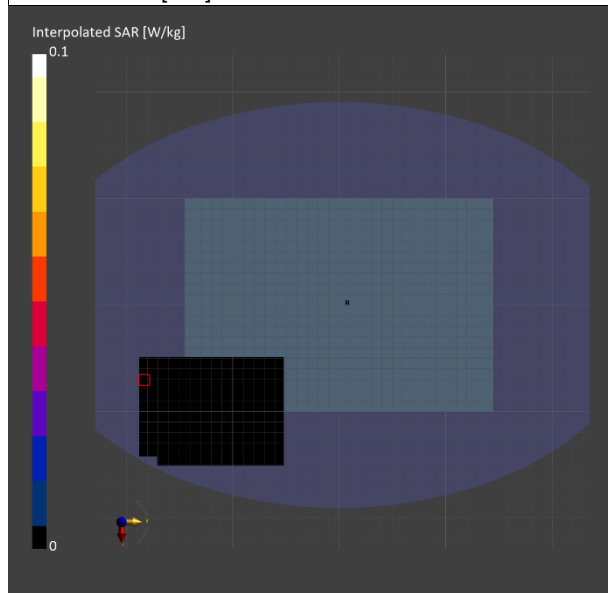
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.004	0.005
psSAR8g [W/kg]	0	0
psSAR10g [W/kg]	0	0
psPDab (4.0cm2, sq) [W/m2]		0.009
Power Drift [dB]	0.002	0.001
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		3.9



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ID: 019

Report No. :TESA2511000849E5

Measurement Report_U-NII-6 6.5GHz 802.11ax(160M)_Body_Bottom Surface_CH 111_0mm_Aux

Ambient temperature: 22.3°C; Liquid temperature: 21.4°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	6505.0, 111	5.66	6.148	35.142

Hardware Setup

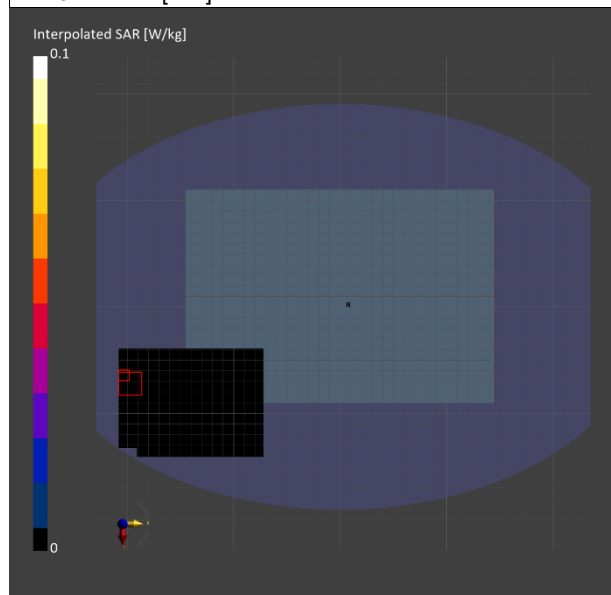
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.005	0.003
psSAR8g [W/kg]	0.002	0
psSAR10g [W/kg]	0.002	0
psPDab (4.0cm2, sq) [W/m2]		0.007
Power Drift [dB]	0.04	0.05
M2/M1 [%]		73.2
Dist 3dB Peak [mm]		3.7



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ID: 020

Report No. :TESA2511000849E5

Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Bottom Surface_CH 175_0mm_Aux

Ambient temperature: 22.3°C; Liquid temperature: 21.4°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	6825.0, 175	5.81	6.495	34.758

Hardware Setup

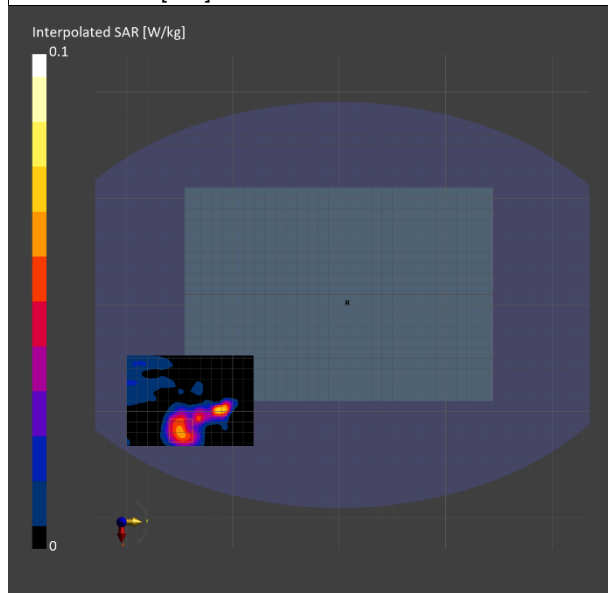
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 119.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.055	0.062
psSAR8g [W/kg]	0.022	0.017
psSAR10g [W/kg]	0.020	0.015
psPDab (4.0cm2, sq) [W/m2]		0.335
Power Drift [dB]	-0.05	0.01
M2/M1 [%]		51.1
Dist 3dB Peak [mm]		5.2



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ID: 021

Report No. :TESA2511000849E5

Measurement Report_U-NII-8 7.0GHz 802.11ax(160M)_Body_Bottom Surface_CH 207_0mm_Aux

Ambient temperature: 22.6°C; Liquid temperature: 21.2°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	6985.0, 207	5.81	6.670	34.566

Hardware Setup

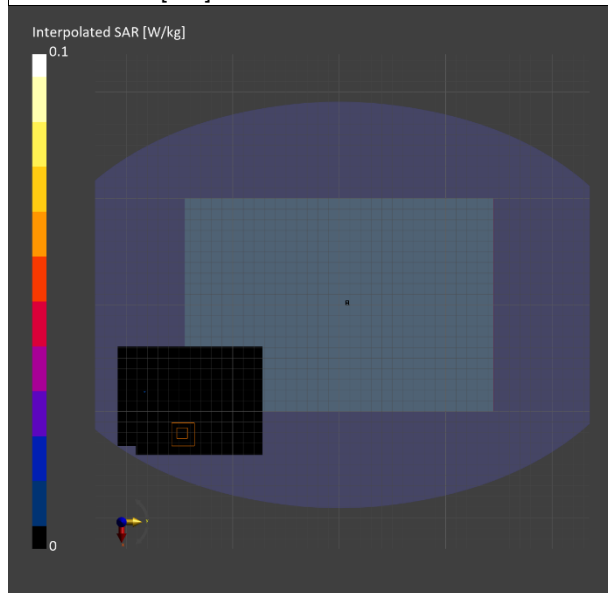
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-05	2025-12-05
psSAR1g [W/kg]	0.004	0.006
psSAR8g [W/kg]	0.001	0.001
psSAR10g [W/kg]	0	0
psPDab (4.0cm2, sq) [W/m2]		0.013
Power Drift [dB]	-0.04	0.02
M2/M1 [%]		57.9
Dist 3dB Peak [mm]		3.7



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ID: 022

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11b_Body_Top Edge_CH 11_0mm_Main

Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	2462.0, 11	7.6	1.88	39.861

Hardware Setup

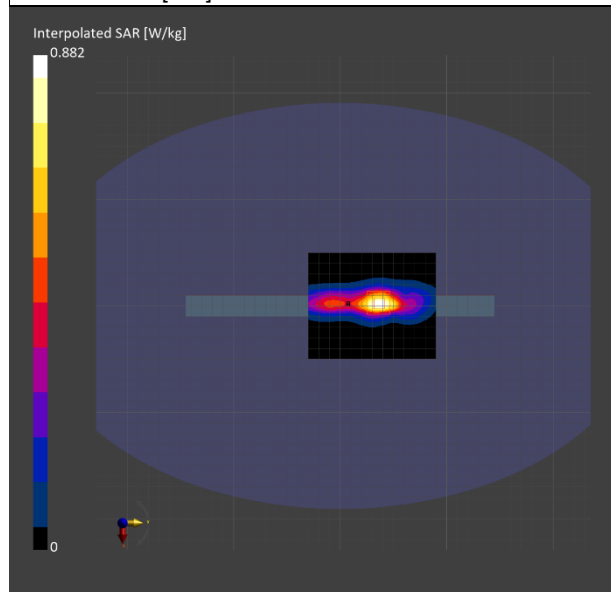
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-30	2025-11-30
psSAR1g [W/kg]	0.688	0.695
psSAR8g [W/kg]	0.365	0.378
psSAR10g [W/kg]	0.331	0.345
Power Drift [dB]	-0.02	0.05
M2/M1 [%]		58.3
Dist 3dB Peak [mm]		8.3



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ID: 023

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11n(40M) 5.2G_Body_Top Edge_CH 46_0mm_Main

Ambient temperature: 22.9°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5230.0, 46	5.82	4.8	36.628

Hardware Setup

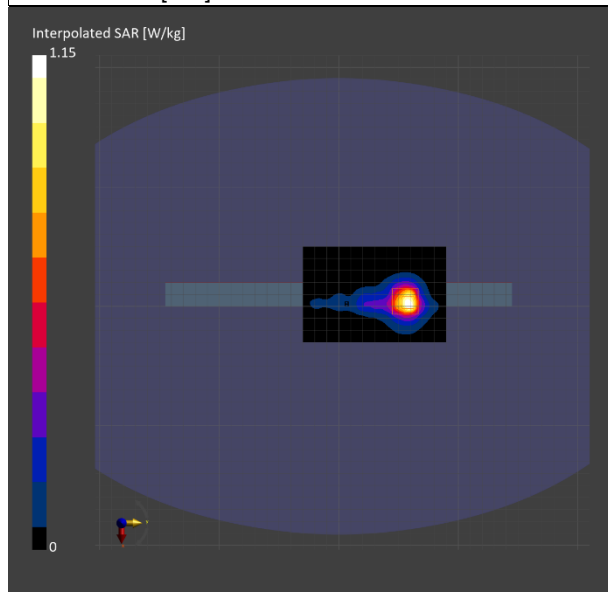
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	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	2025-12-01	2025-12-01
psSAR1g [W/kg]	0.811	0.903
psSAR8g [W/kg]	0.324	0.337
psSAR10g [W/kg]	0.286	0.293
Power Drift [dB]	-0.05	-0.02
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		8.3



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ID: 024

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11n(40M) 5.3G_Body_Top Edge_CH 54_0mm_Main

Ambient temperature: 22.9°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5270.0, 54	5.82	4.842	36.582

Hardware Setup

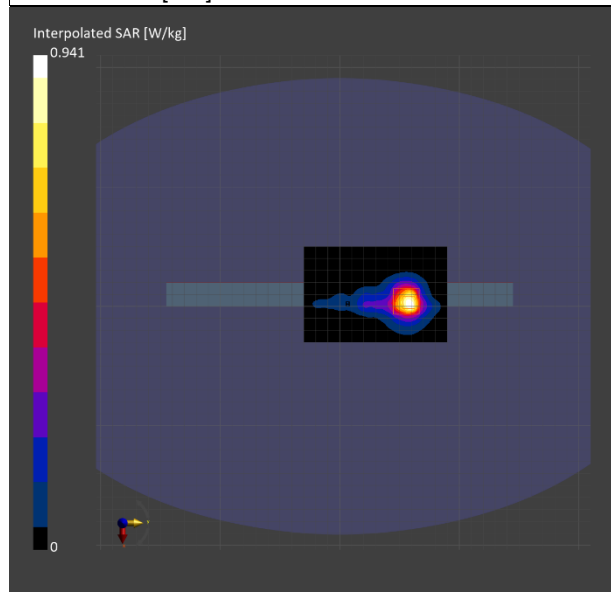
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	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	2025-12-01	2025-12-01
psSAR1g [W/kg]	0.664	0.726
psSAR8g [W/kg]	0.267	0.272
psSAR10g [W/kg]	0.236	0.236
Power Drift [dB]	0.02	-0.01
M2/M1 [%]		52.8
Dist 3dB Peak [mm]		8.7



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ID: 025

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Top Edge_CH 122_0mm_Main

Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5610.0, 122	5.44	5.199	36.193

Hardware Setup

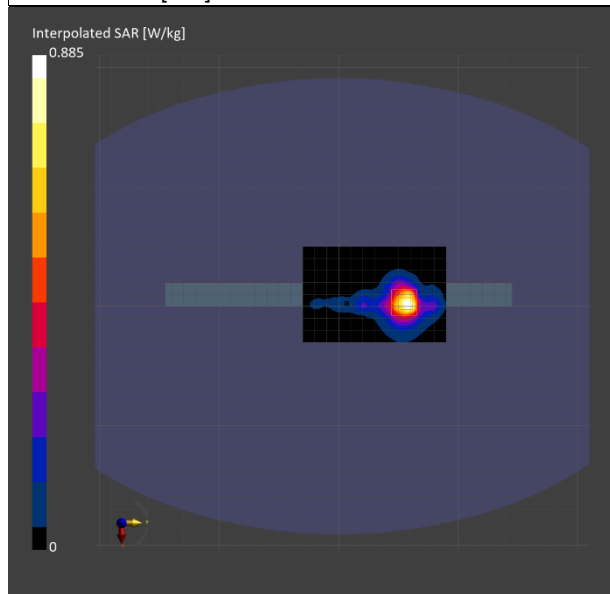
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	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	2025-12-02	2025-12-02
psSAR1g [W/kg]	0.628	0.686
psSAR8g [W/kg]	0.252	0.258
psSAR10g [W/kg]	0.223	0.225
Power Drift [dB]	0.02	-0.03
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		8.4



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ID: 026

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.8G_Body_Top Edge_CH 155_0mm_Main

Ambient temperature: 22.5°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5775.0, 155	5.46	5.371	36.005

Hardware Setup

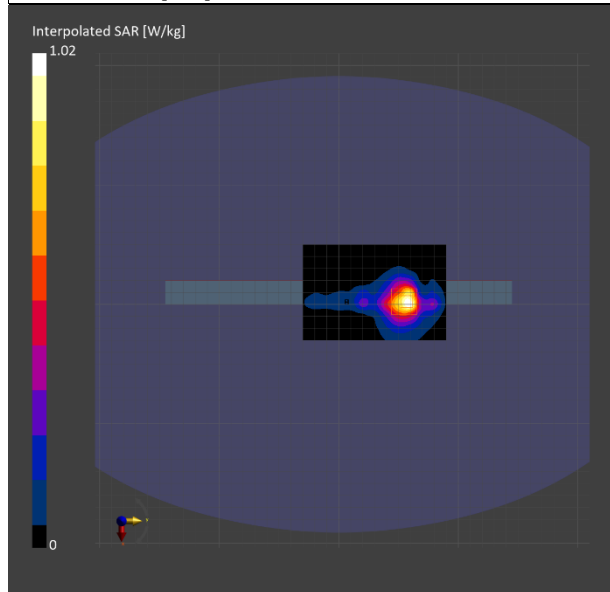
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	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	2025-12-03	2025-12-03
psSAR1g [W/kg]	0.732	0.788
psSAR8g [W/kg]	0.297	0.303
psSAR10g [W/kg]	0.265	0.266
Power Drift [dB]	-0.02	0.03
M2/M1 [%]		54.9
Dist 3dB Peak [mm]		8.7



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ID: 027

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.9G_Body_Top Edge_CH 171_0mm_Main

Ambient temperature: 22.5°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5855.0, 171	5.49	5.455	35.913

Hardware Setup

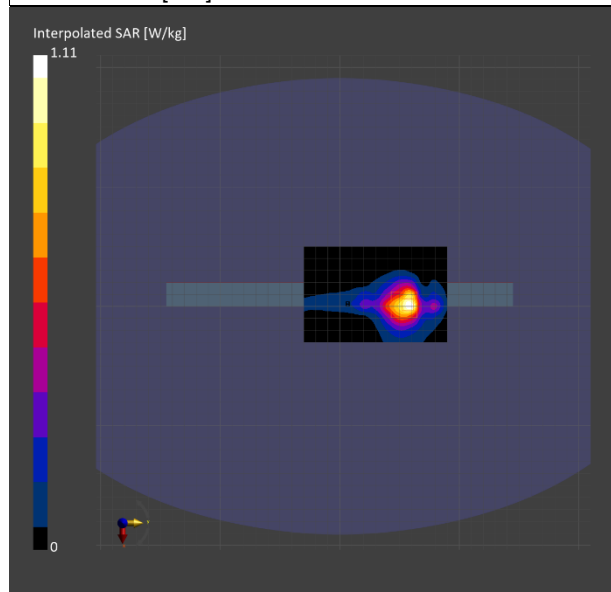
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	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	2025-12-03	2025-12-03
psSAR1g [W/kg]	0.794	0.859
psSAR8g [W/kg]	0.326	0.330
psSAR10g [W/kg]	0.291	0.292
Power Drift [dB]	-0.02	0.02
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		8.4



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ID: 028

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11b_Body_Top Edge_CH 11_0mm_Aux

Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	2462.0, 11	7.6	1.88	39.861

Hardware Setup

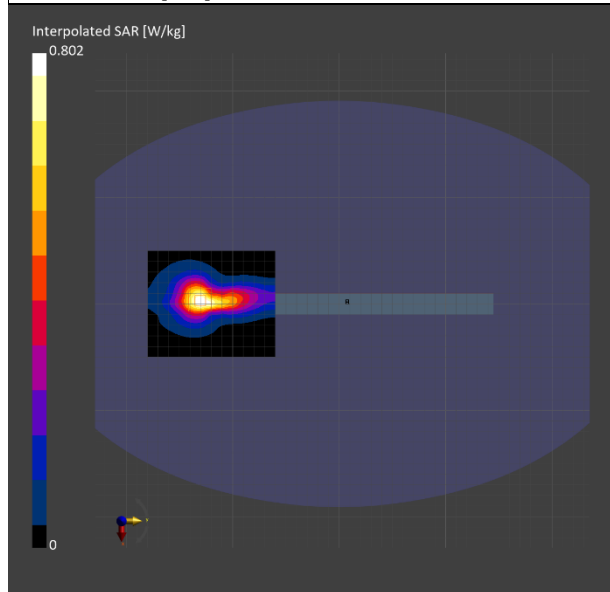
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-30	2025-11-30
psSAR1g [W/kg]	0.636	0.654
psSAR8g [W/kg]	0.353	0.369
psSAR10g [W/kg]	0.323	0.340
Power Drift [dB]	-0.01	-0.03
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		6.1



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ID: 029

Report No. :TESA2511000849E5

Measurement Report_BLE 500k_Body_Top Edge_CH 0_0mm_Aux

Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	2440.0, 19	7.6	1.860	39.894

Hardware Setup

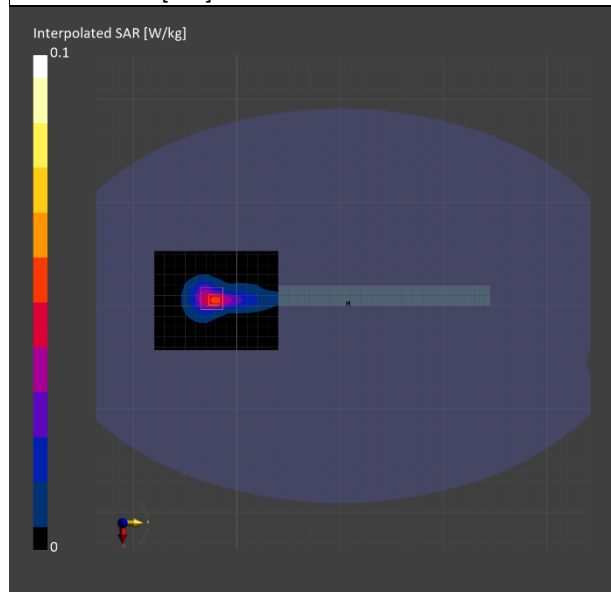
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 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	2025-11-30	2025-11-30
psSAR1g [W/kg]	0.038	0.037
psSAR8g [W/kg]	0.019	0.016
psSAR10g [W/kg]	0.017	0.013
Power Drift [dB]	-0.02	-0.04
M2/M1 [%]		57.6
Dist 3dB Peak [mm]		6.0



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ID: 030

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.2G_Body_Top Edge_CH 42_0mm_Aux

Ambient temperature: 22.9°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5210.0, 42	5.82	4.779	36.650

Hardware Setup

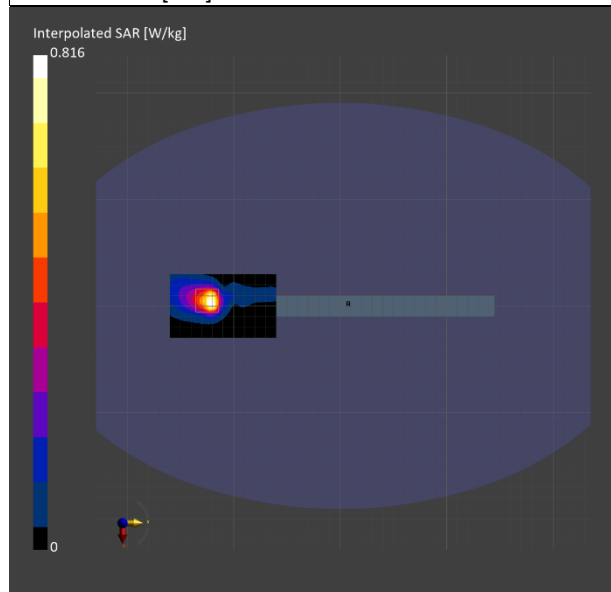
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	50.0 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	2025-12-01	2025-12-01
psSAR1g [W/kg]	0.566	0.654
psSAR8g [W/kg]	0.223	0.251
psSAR10g [W/kg]	0.197	0.217
Power Drift [dB]	0.02	-0.03
M2/M1 [%]		59.1
Dist 3dB Peak [mm]		7.2



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ID: 031

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.3G_Body_Top Edge_CH 58_0mm_Aux

Ambient temperature: 22.9°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5290.0, 58	5.82	4.863	36.559

Hardware Setup

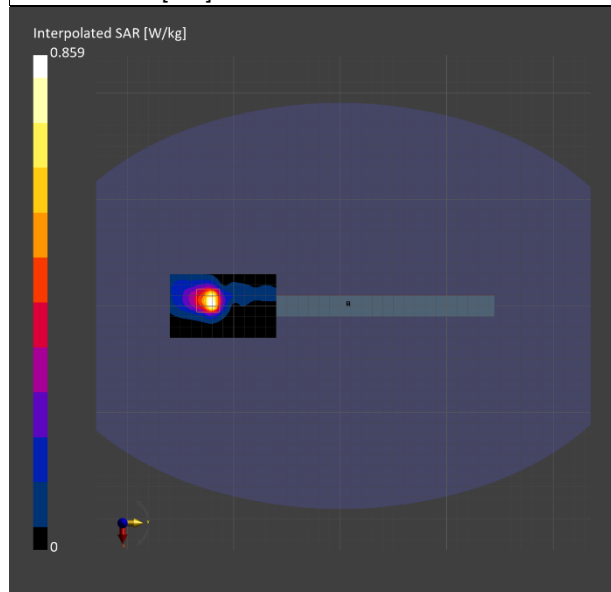
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	50.0 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	2025-12-01	2025-12-01
psSAR1g [W/kg]	0.598	0.686
psSAR8g [W/kg]	0.232	0.264
psSAR10g [W/kg]	0.204	0.230
Power Drift [dB]	-0.02	-0.03
M2/M1 [%]		58.3
Dist 3dB Peak [mm]		7.2



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ID: 032

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(160M) 5.6G_Body_Top Edge_CH 114_0mm_Aux

Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5570.0, 114	5.44	5.157	36.239

Hardware Setup

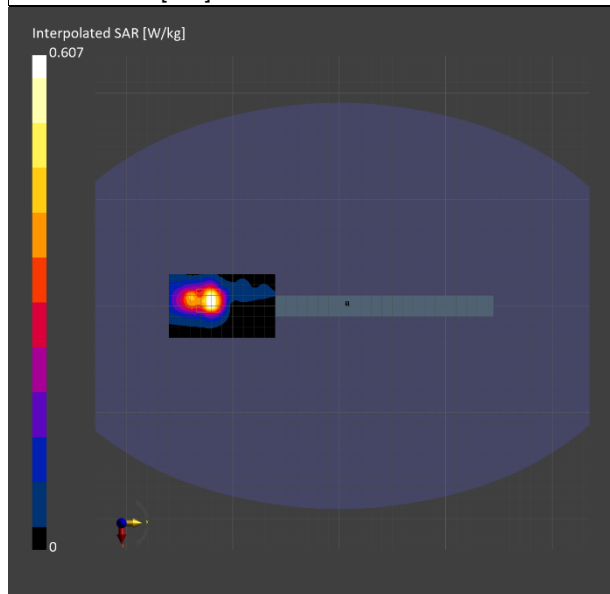
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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	2025-12-02	2025-12-02
psSAR1g [W/kg]	0.441	0.488
psSAR8g [W/kg]	0.178	0.200
psSAR10g [W/kg]	0.159	0.178
Power Drift [dB]	0.03	0.01
M2/M1 [%]		55.2
Dist 3dB Peak [mm]		8.8



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ID: 033

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(80M) 5.8G_Body_Top Edge_CH 155_0mm_Aux

Ambient temperature: 22.5°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5775.0, 155	5.46	5.371	36.005

Hardware Setup

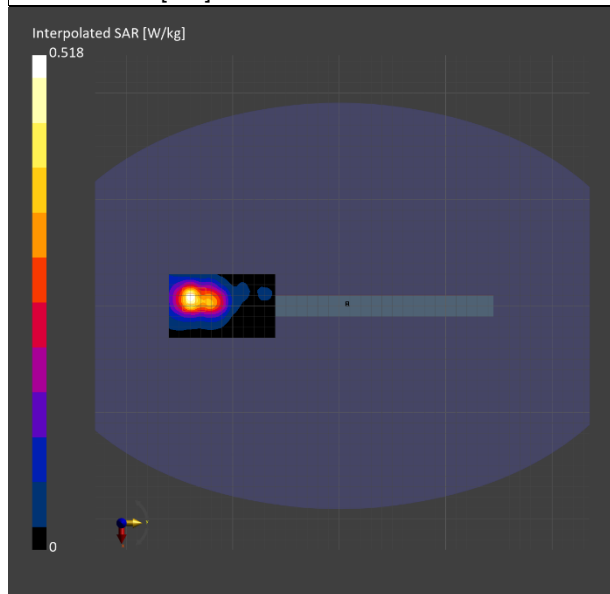
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	50.0 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	2025-12-03	2025-12-03
psSAR1g [W/kg]	0.366	0.390
psSAR8g [W/kg]	0.152	0.164
psSAR10g [W/kg]	0.136	0.146
Power Drift [dB]	0.01	0.03
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		10.4



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ID: 034

Report No. :TESA2511000849E5

Measurement Report_WLAN 802.11ac(160M) 5.9G_Body_Top Edge_CH 163_0mm_Aux

Ambient temperature: 22.5°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	5815.0, 163	5.49	5.413	35.959

Hardware Setup

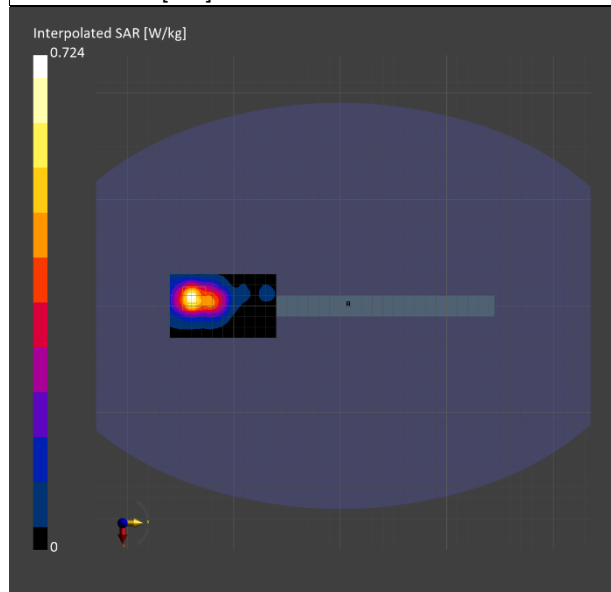
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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	2025-12-03	2025-12-03
psSAR1g [W/kg]	0.509	0.539
psSAR8g [W/kg]	0.210	0.227
psSAR10g [W/kg]	0.188	0.202
Power Drift [dB]	0.04	0.02
M2/M1 [%]		51.5
Dist 3dB Peak [mm]		10.1



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ID: 035

Report No. :TESA2511000849E5

Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Top Edge_CH 47_0mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	6185.0, 47	5.66	5.805	35.526

Hardware Setup

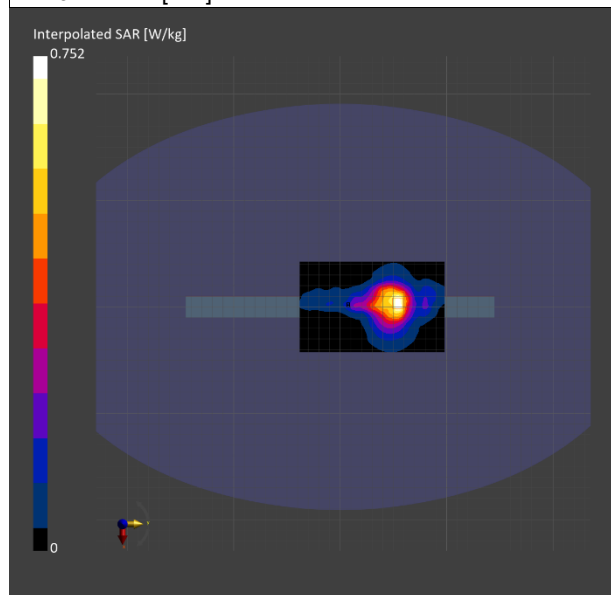
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.556	0.580
psSAR8g [W/kg]	0.241	0.248
psSAR10g [W/kg]	0.218	0.222
psPDab (4.0cm2, sq) [W/m2]		4.96
Power Drift [dB]	0.01	0.04
M2/M1 [%]		57.2
Dist 3dB Peak [mm]		9.6



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ID: 036

Report No. :TESA2511000849E5

Measurement Report_U-NII-6 6.5GHz 802.11ax(160M)_Body_Top Edge_CH 111_0mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	6505.0, 111	5.66	6.148	35.142

Hardware Setup

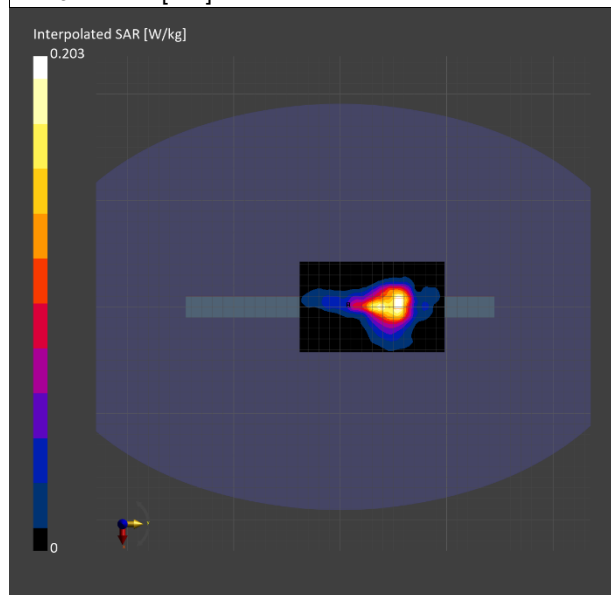
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.157	0.161
psSAR8g [W/kg]	0.069	0.070
psSAR10g [W/kg]	0.063	0.062
psPDab (4.0cm2, sq) [W/m2]		1.39
Power Drift [dB]	0.02	0.03
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		9.1



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ID: 037

Report No. :TESA2511000849E5

Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Top Edge_CH 175_0mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	6825.0, 175	5.81	6.495	34.758

Hardware Setup

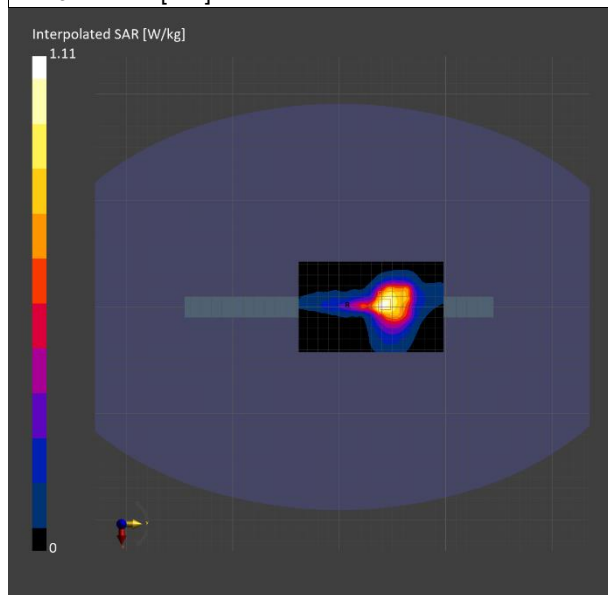
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.885	0.727
psSAR8g [W/kg]	0.389	0.306
psSAR10g [W/kg]	0.353	0.271
psPDab (4.0cm2, sq) [W/m2]		6.12
Power Drift [dB]	0.04	0.02
M2/M1 [%]		53.8
Dist 3dB Peak [mm]		10.9



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ID: 038

Report No. :TESA2511000849E5

Measurement Report_U-NII-8 7.0GHz 802.11ax(160M)_Body_Top Edge_CH 207_0mm_Main

Ambient temperature: 22.6°C; Liquid temperature: 21.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	6985.0, 207	5.81	6.670	34.566

Hardware Setup

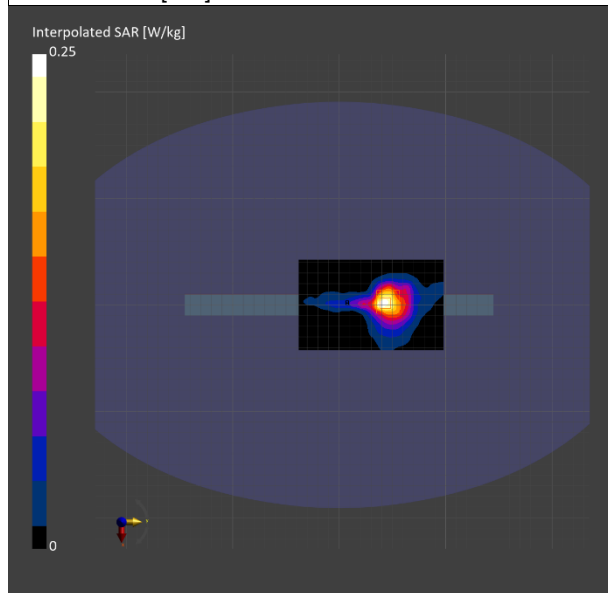
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-05	2025-12-05
psSAR1g [W/kg]	0.206	0.203
psSAR8g [W/kg]	0.085	0.084
psSAR10g [W/kg]	0.077	0.074
psPDab (4.0cm2, sq) [W/m2]		1.68
Power Drift [dB]	0.01	-0.03
M2/M1 [%]		51.3
Dist 3dB Peak [mm]		8.8



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ID: 039

Report No. :TESA2511000849E5

Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Top Edge_CH 47_0mm_Aux

Ambient temperature: 22.3°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	6185.0, 47	5.66	5.805	35.526

Hardware Setup

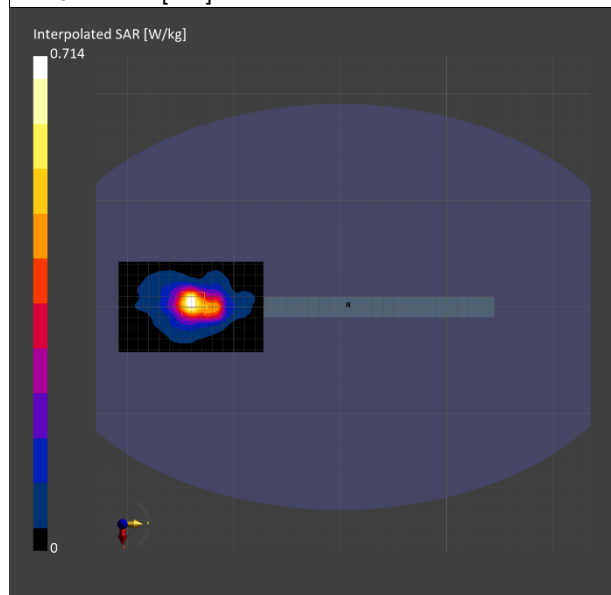
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.535	0.533
psSAR8g [W/kg]	0.218	0.220
psSAR10g [W/kg]	0.196	0.196
psPDab (4.0cm2, sq) [W/m2]		4.41
Power Drift [dB]	0.02	-0.05
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		8.5



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ID: 040

Report No. :TESA2511000849E5

Measurement Report_U-NII-6 6.5GHz 802.11ax(160M)_Body_Top Edge_CH 111_0mm_Aux

Ambient temperature: 22.3°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	6505.0, 111	5.66	6.148	35.142

Hardware Setup

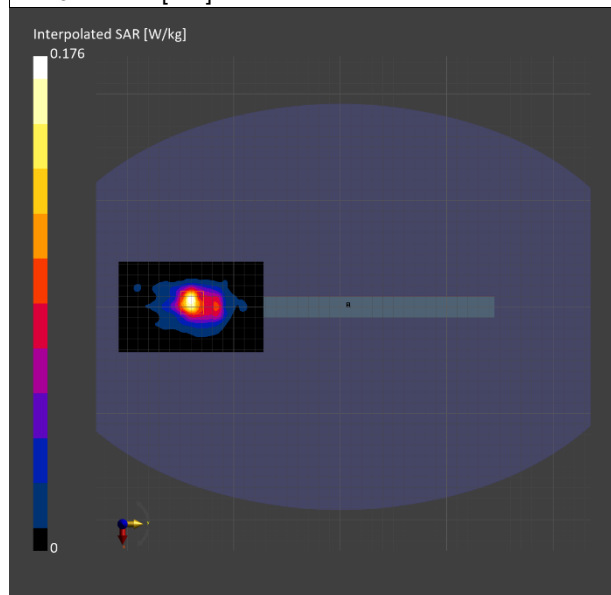
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.130	0.128
psSAR8g [W/kg]	0.050	0.049
psSAR10g [W/kg]	0.045	0.044
psPDab (4.0cm2, sq) [W/m2]		0.990
Power Drift [dB]	0.03	-0.05
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		7.4



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ID: 041

Report No. :TESA2511000849E5

Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Top Edge_CH 175_0mm_Aux

Ambient temperature: 22.3°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	6825.0, 175	5.81	6.495	34.758

Hardware Setup

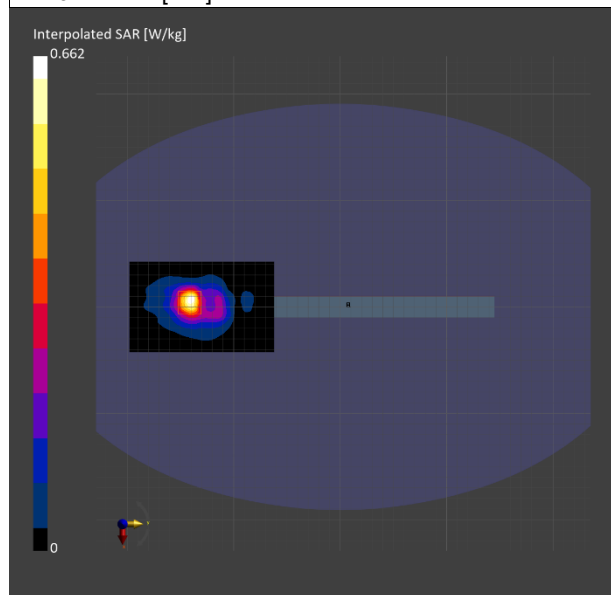
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	0.518	0.526
psSAR8g [W/kg]	0.202	0.203
psSAR10g [W/kg]	0.179	0.178
psPDab (4.0cm2, sq) [W/m2]		4.07
Power Drift [dB]	0.05	0.02
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		7.7



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ID: 042

Report No. :TESA2511000849E5

Measurement Report_U-NII-8 7.0GHz 802.11ax(160M)_Body_Top Edge_CH 207_0mm_Aux

Ambient temperature: 22.6°C; Liquid temperature: 21.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Top Edge, 0.00	6985.0, 207	5.81	6.670	34.566

Hardware Setup

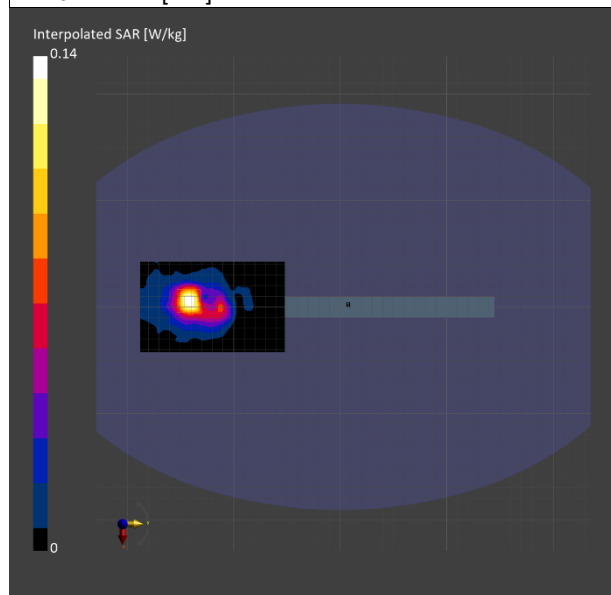
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-05	2025-12-05
psSAR1g [W/kg]	0.119	0.112
psSAR8g [W/kg]	0.048	0.044
psSAR10g [W/kg]	0.043	0.038
psPDab (4.0cm2, sq) [W/m2]		0.878
Power Drift [dB]	-0.04	-0.04
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		7.7



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13 PD MEASUREMENT RESULTS

ID: 043

Report No. : TESA2511000849E5

Measurement Report_WLAN 6E 802.11ax(160M) U-NII-7_PD_Top Edge_CH 175_2mm_Main

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor
5G, Air	Top Edge, 2.00	1.0

Hardware Setup

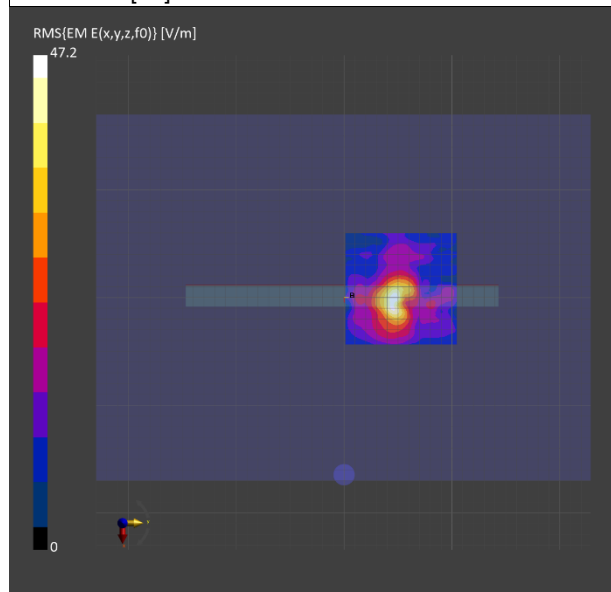
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV3 - SN9399_F1-55GHz, 2025-01-14	DAE4 Sn1665, 2023-02-21

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2025-12-06
Avg. Area [cm ²]	1.00
psPDn+ [W/m ²]	3.90
psPDtot+ [W/m ²]	4.28
psPDmod+ [W/m ²]	4.55
E _{max} [V/m]	47.2
Power Drift [dB]	-0.06



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ID: 044

Report No. : TESA2511000849E5

Measurement Report_WLAN 6E 802.11ax(160M) U-NII-5_PD_Top Edge_CH 47_2mm_Aux

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor
5G, Air	Top Edge, 2.00	1.0

Hardware Setup

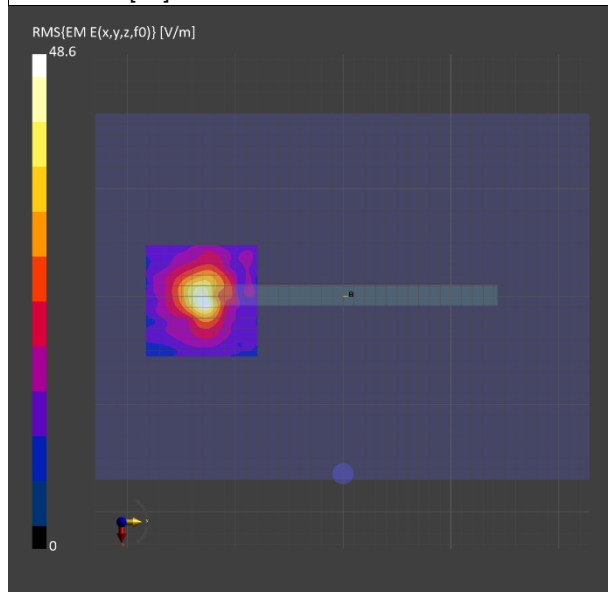
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV3 - SN9399_F1-55GHz, 2025-01-14	DAE4 Sn1665, 2023-02-21

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2025-12-06
Avg. Area [cm ²]	1.00
psPDn+ [W/m ²]	4.78
psPDtot+ [W/m ²]	5.12
psPDmod+ [W/m ²]	5.27
E _{max} [V/m]	48.6
Power Drift [dB]	0.01



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14 SAR SYSTEM CHECK RESULTS

Report No. : TESA2511000849E5

Measurement Report

Dipole 2450 MHz_SN:727

Ambient temperature: 22.2°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	2450.0, 50	7.6	1.869	39.876

Hardware Setup

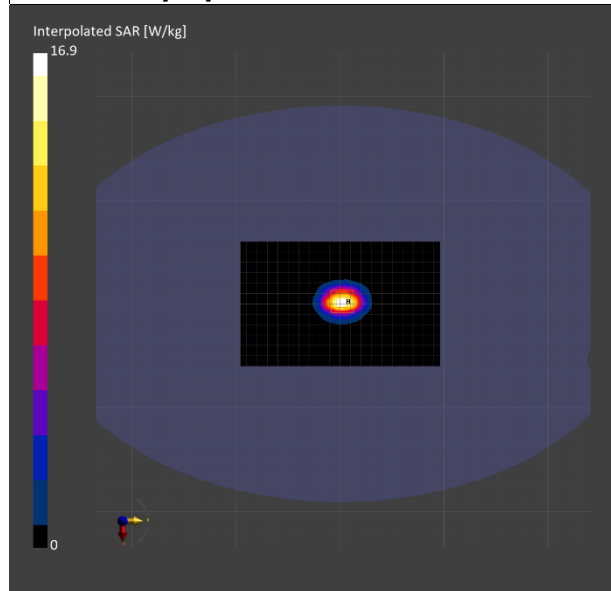
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	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	2025-11-30	2025-11-30
psSAR1g [W/kg]	13.0	13.3
psSAR8g [W/kg]	6.78	6.93
psSAR10g [W/kg]	6.13	6.29
psPDab (4.0cm2, sq) [W/m2]		N/A
Power Drift [dB]	0.00	0.00
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		9.0



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Report No. : TESA2511000849E5

Measurement Report

Dipole 5250 MHz_SN :1349

Ambient temperature: 22.9°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5250.0, 25	5.82	4.821	36.605

Hardware Setup

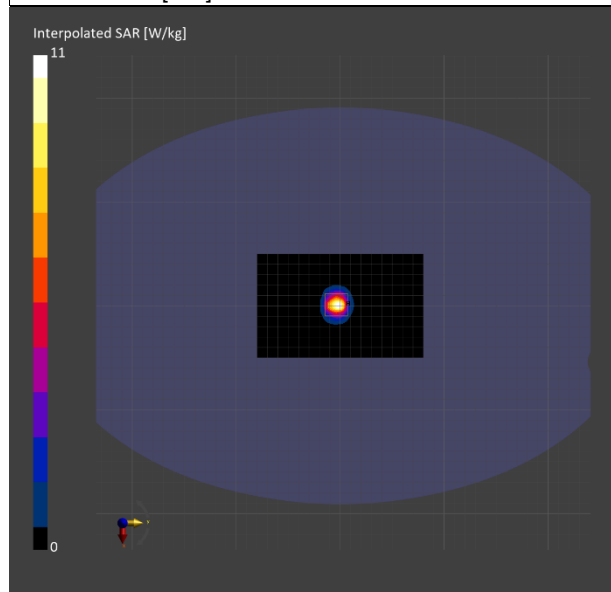
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	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	2025-12-01	2025-12-01
psSAR1g [W/kg]	7.35	8.44
psSAR8g [W/kg]	2.58	2.84
psSAR10g [W/kg]	2.23	2.38
Power Drift [dB]	-0.03	0.03
M2/M1 [%]		62.3
Dist 3dB Peak [mm]		7.6



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Report No. : TESA2511000849E5

Measurement Report

Dipole 5600 MHz_SN:1349

Ambient temperature: 22.1°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5600.0, 60	5.44	5.189	36.205

Hardware Setup

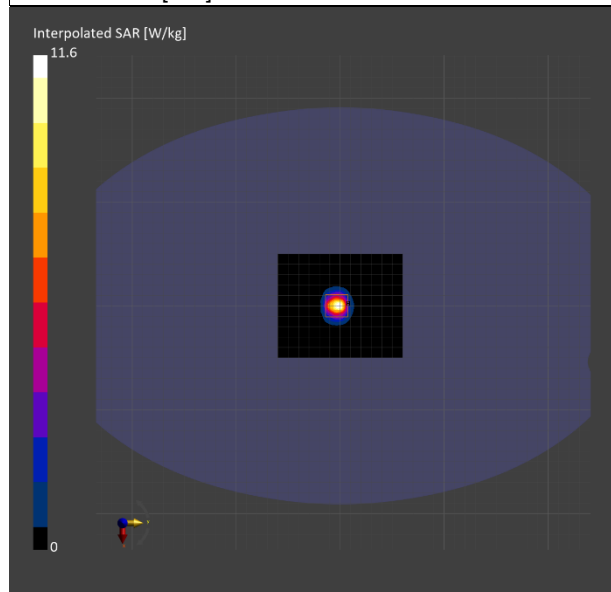
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	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	2025-12-02	2025-12-02
psSAR1g [W/kg]	7.62	8.47
psSAR8g [W/kg]	2.63	2.92
psSAR10g [W/kg]	2.27	2.35
Power Drift [dB]	0.01	0.03
M2/M1 [%]		59.3
Dist 3dB Peak [mm]		7.6



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Report No. : TESA2511000849E5

Measurement Report

Dipole 5750 MHz_SN:1349

Ambient temperature: 22.5°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5750.0, 75	5.46	5.345	36.033

Hardware Setup

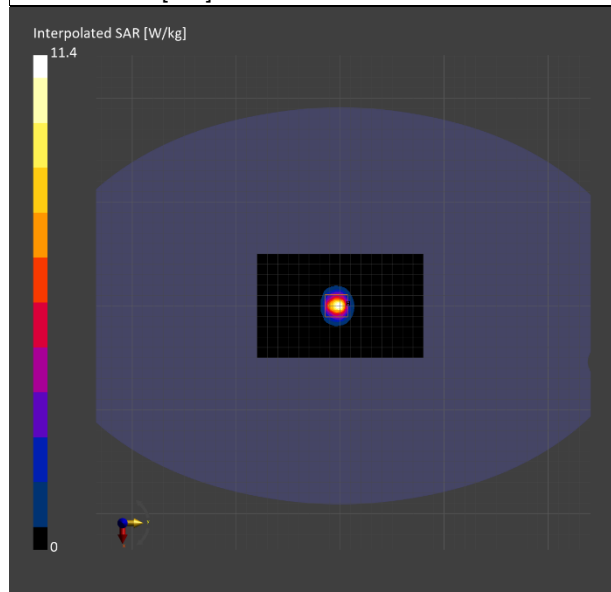
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	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	2025-12-03	2025-12-03
psSAR1g [W/kg]	7.54	8.36
psSAR8g [W/kg]	2.59	2.88
psSAR10g [W/kg]	2.24	2.35
Power Drift [dB]	-0.00	0.04
M2/M1 [%]		58.1
Dist 3dB Peak [mm]		7.6



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Report No. : TESA2511000849E5

Measurement Report

Dipole 5850 MHz_SN:1349

Ambient temperature: 22.5°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5850.0, 85	5.49	5.45	35.919

Hardware Setup

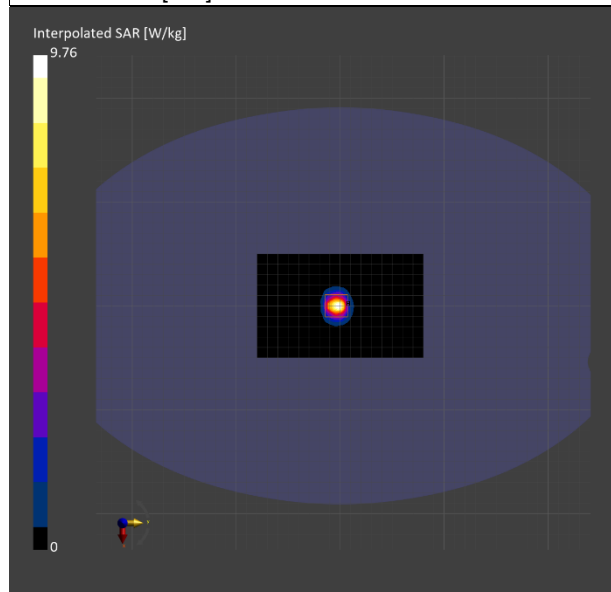
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	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	2025-12-03	2025-12-03
psSAR1g [W/kg]	6.61	7.70
psSAR8g [W/kg]	2.27	2.53
psSAR10g [W/kg]	1.96	2.19
Power Drift [dB]	-0.02	0.04
M2/M1 [%]		57.5
Dist 3dB Peak [mm]		7.4



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Report No. : TESA2511000849E5

Measurement Report

Dipole 6500 MHz_SN:1006

Ambient temperature: 22.3°C; Liquid temperature: 21.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 5.00	6500.0, 6500	5.66	6.142	35.148

Hardware Setup

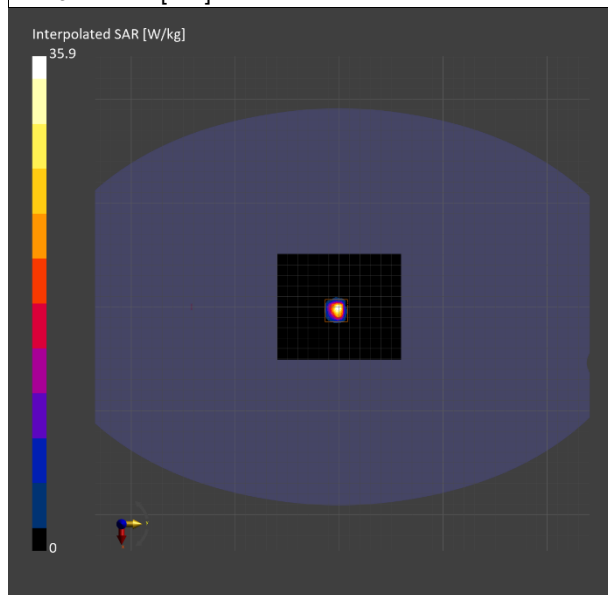
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 119.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-04	2025-12-04
psSAR1g [W/kg]	23.2	28.7
psSAR8g [W/kg]	6.19	6.51
psSAR10g [W/kg]	5.13	5.36
psPDab (4.0cm2, sq) [W/m2]		130
Power Drift [dB]	0.00	-0.01
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		4.8



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Report No. : TESA2511000849E5

Measurement Report

Dipole 7000 MHz_SN:1007

Ambient temperature: 22.6°C; Liquid temperature: 21.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 5.00	7000.0, 7000	5.81	6.686	34.548

Hardware Setup

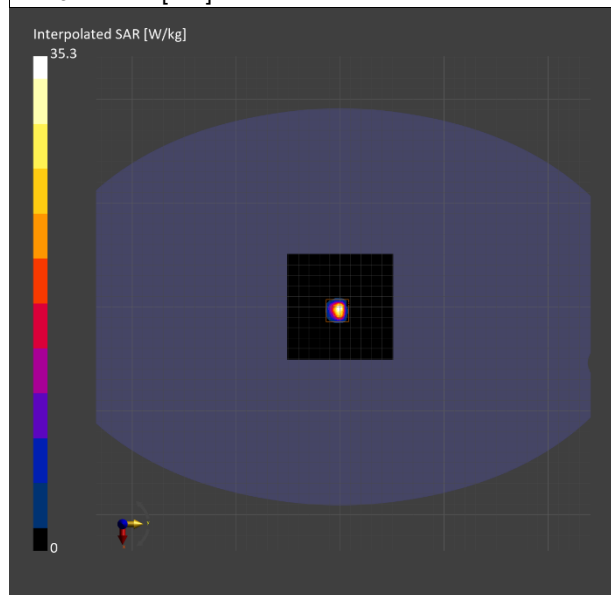
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-08	2025-12-08
psSAR1g [W/kg]	24.4	28.8
psSAR8g [W/kg]	6.46	6.26
psSAR10g [W/kg]	5.35	5.12
psPDab (4.0cm2, sq) [W/m2]		125
Power Drift [dB]	-0.05	-0.04
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		4.6



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15 PD SYSTEM CHECK RESULTS

Report No. : TESA2511000849E5

Measurement Report

Dipole_D10G-SN:1021

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor
5G, Air	FRONT, 10.00	1.0

Hardware Setup

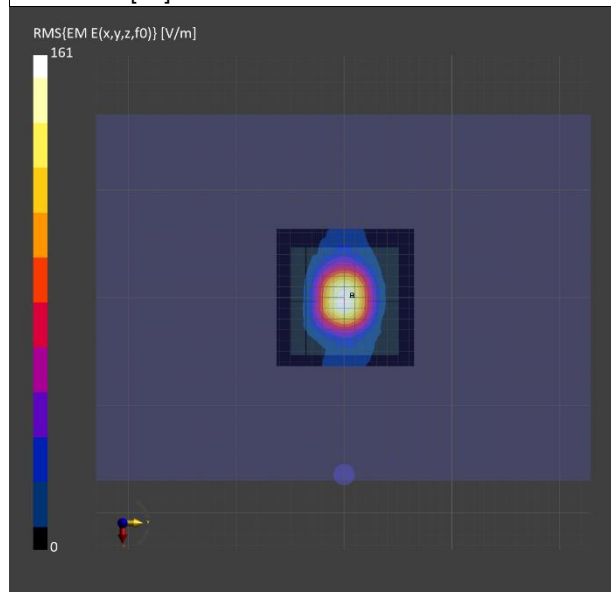
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV3 - SN9399_F1-55GHz, 2025-01-14	DAE4 Sn1665, 2023-02-21

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Date	2025-12-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	55.2
psPDtot+ [W/m ²]	55.3
psPDmod+ [W/m ²]	55.4
E _{max} [V/m]	156
Power Drift [dB]	0.02



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16 APPENDIXES

Refer to separated files for the following appendixes.

16.1 SAR_Appendix A Photographs

16.2 SAR_Appendix B DAE & Probe Cal. Certificate

16.3 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

16.4 SAR_Appendix D Dipole Extended Calibration Verification

- End of report -

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