


## RF Exposure report



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



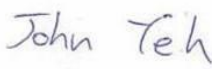
**EUT Description** Notebook Computer  
**Brand Name** LG or   
**Model No.** 16T90TP  
**Family Model No.** 16T90TP\*\*, 16TD90TP\*\*, 16TG90TP\*\*, 16TB90TP\*\*, 16TS90TP\*\*  
**Remark** "\*" can be 0 to 9 or A to Z or dash or blank  
**Model Difference** For marketing purpose.  
**Applicant** LG Electronics USA, Inc.  
111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey 07632, United States  
**Standards** IEEE/ANSI C95.1-1992, IEEE 1528-2013  
**FCC ID** BEJNT-16T90TP  
**Date of EUT Receipt** Sep. 03, 2024  
**Date of Test(s)** Sep. 05, 2024 ~ Sep. 23, 2024  
**Date of Issue** Nov. 19, 2024  
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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**Signed on behalf of SGS**

Clerk / Kimmy Chiou	PM / Bond Tsai	Approved By / John Yeh
		

**Date: Nov. 19, 2024**

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## Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2409000536E5	00	Initial creation of document	Oct. 14, 2024	Kimmy Chiou	
TESA2409000536E5	01	Modify TER table	Nov. 15, 2024	Kimmy Chiou	*
TESA2409000536E5	02	Modify TER table	Nov. 19, 2024	Kimmy Chiou	*

**Note:**

1. The mark " \* " is the revised version of the report due to comments submitted by the certification.
2. Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received.  
And are assessed as electrically identical in RF characteristics, therefore, no further assessment required for the variant(s).

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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

KDB447498D01v06

KDB865664D01v01r04

KDB865664D02v01r02

KDB616217D04v01r02

KDB248227D01v02r01

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	Notebook Computer	
Brand Name	LG or 	
Model No.	16T90TP	
Family Model No.	16T90TP**, 16TD90TP**, 16TG90TP**, 16TB90TP**, 16TS90TP** Remark "*" can be 0 to 9 or A to Z or dash or blank	
Model Difference	For marketing purpose.	
FCC ID	BEJNT-16T90TP	
Integrated WLAN Module	Brand: Intel Model: BE201D2W	
Duty Cycle	WLAN802.11	Please refer to section 7
	Bluetooth	Please refer to section 7
Supported radios (TX Frequency Range, MHz)	802.11 b/g/n/ax/be	2.4GHz (2400.0 – 2483.5 MHz)
	802.11a/n/ac/ax/be	5.2GHz (5150.0 – 5350.0 MHz)
		5.6GHz (5470.0 – 5725.0 MHz)
		5.8GHz (5725.0 – 5850.0 MHz)
		5.9GHz (5850.0 – 5895.0 MHz)
	802.11ax/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)

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### 1.3 Maximum value

Summary of Maximum SAR and Power Density Value			
Mode	Highest SAR 1g (W/kg)	Highest APD (W/m <sup>2</sup> )	Highest PD (W/m <sup>2</sup> )
Bluetooth(GFSK)	0.64	N/A	N/A
NFC	0.01	N/A	N/A
2.4G WLAN	0.92	N/A	N/A
5G WLAN	1.07	N/A	N/A
6G WLAN	1.01	5.92	4.31

### 1.4 Antenna Information

#### Laptop mode\_AWAN

Vendor	AWAN									
Antenna	Main									
Part Number	AYF6Y-200008 (1415-0ADV000)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	2.87	2.19	1.92	2.07	2.40	2.40	3.89	0.60	0.69	0.69
Antenna	Aux									
Part Number	AYF6Y-200008 (1415-0ADV000)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	3.02	1.40	1.96	2.79	2.79	2.32	3.88	1.14	2.07	0.36

#### Tablet mode\_AWAN

Vendor	AWAN									
Antenna	Main									
Part Number	AYF6Y-200008 (1415-0ADV000)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	-1.81	1.99	2.51	3.04	3.04	2.38	3.46	1.75	0.58	1.67
Antenna	Aux									
Part Number	AYF6Y-200008 (1415-0ADV000)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	-1.69	0.13	-0.13	1.32	1.32	0.43	1.12	0.61	0.10	0.01

#### Laptop mode\_INPAQ

Vendor	INPAQ									
Antenna	Main									
Part Number	1415-0ADT000 (WA-F-LELE-04-003)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	2.84	2.13	1.83	1.99	2.12	2.28	3.51	0.54	0.55	0.51
Antenna	Aux									
Part Number	1415-0ADT000 (WA-F-LELE-04-003)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	2.91	1.33	1.93	2.54	2.49	2.24	3.66	1.13	1.99	0.34

#### Tablet mode\_INPAQ

Vendor	INPAQ									
Antenna	Main									
Part Number	1415-0ADT000 (WA-F-LELE-04-003)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	-1.89	1.85	2.39	2.86	2.65	2.29	3.39	1.73	0.55	1.63
Antenna	Aux									
Part Number	1415-0ADT000 (WA-F-LELE-04-003)									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	-1.75	0.11	-0.19	1.25	1.27	0.39	1.08	0.58	-0.15	-0.11

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	FCC Designation number	IC CAB identifier
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	TW3702
		SAR 6		
		SAR 8		
	<b>No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan</b>	SAR 1	TW0028	
		<b>SAR 4</b>		
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan	SAR 3	TW0027	
		SAR 7		

**Note:** Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

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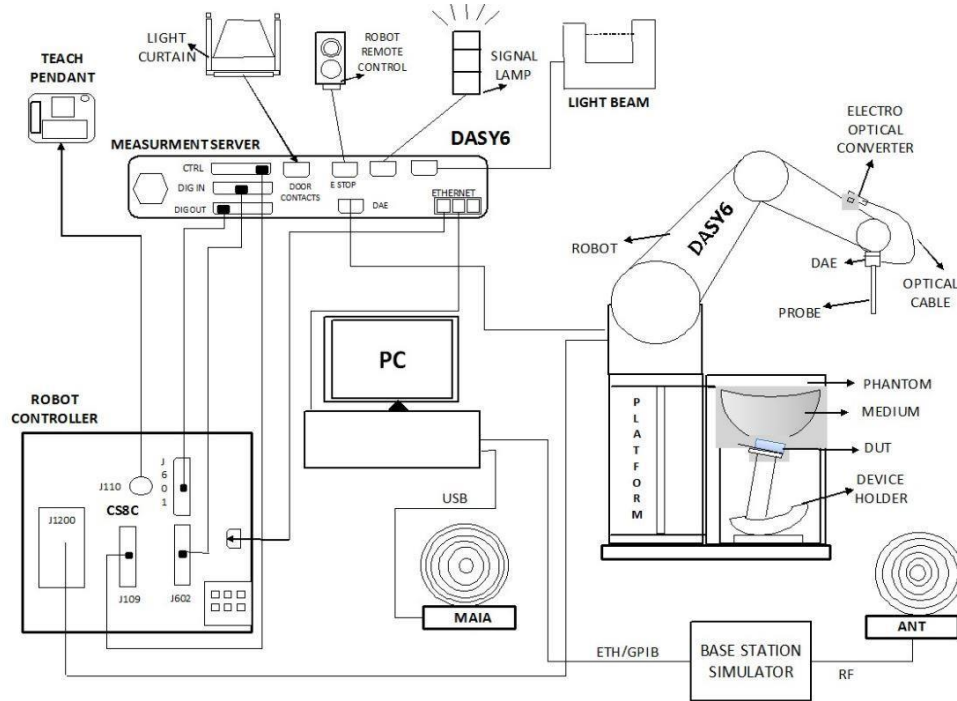
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## 2.2 SAR System

### Block Diagram (DASY6)

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 10 and the DASY6 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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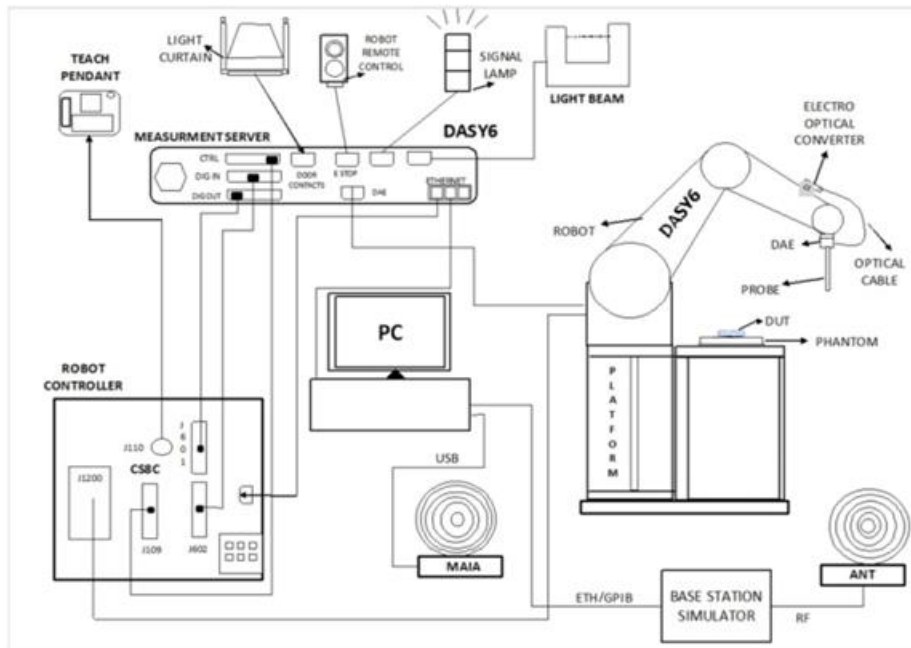
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## 2.3 PD system

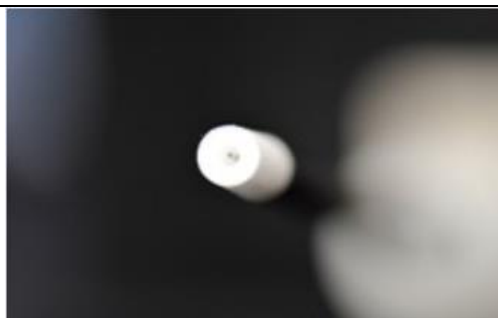
### Block Diagram (DASY6)

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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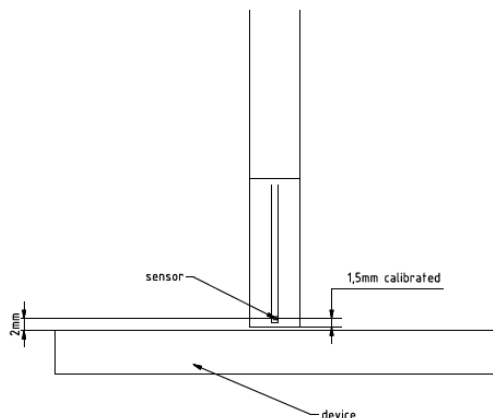
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Dynamic Range	< 20 V/m – 10,000 V/m with PRE-10 (min < 50 V/m - 3000 V/m)
Position Precision	< 0.2 mm (DASY6)
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: encapsulation 8 mm (internal sensor < 1mm) Distance from probe tip to dipole 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 ( $\tan \delta$ )  $\leq 0.05$  and a relative permittivity ( $\epsilon_r$ )  $\leq 1.2$ . High-performance RF absorbers are placed below the foam.

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### 3 SAR SYSTEM VERIFICATION

#### 3.1 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 reference po the center of the flat phantom to the liquid top surface is larger than 15cm.

#### 3.2 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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## 3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, $\epsilon_r$	Target Conductivity, $\sigma$ (S/m)	Measured Dielectric Constant, $\epsilon_r$	Measured Conductivity, $\sigma$ (S/m)	% dev $\epsilon_r$	% dev $\sigma$	Limit	Measurement Date
13	55.000	0.750	55.197	0.724	0.36%	-3.47%	± 5%	Sep. 18, 2024
13.56	55.000	0.750	55.087	0.721	0.16%	-3.87%	± 5%	
2402	39.296	1.758	38.209	1.747	-2.77%	-0.65%	± 5%	Sep. 19, 2024
2412	39.276	1.767	38.192	1.755	-2.76%	-0.68%	± 5%	
2417	39.266	1.771	38.183	1.759	-2.76%	-0.70%	± 5%	
2437	39.226	1.789	38.147	1.776	-2.75%	-0.71%	± 5%	
2441	39.218	1.792	38.140	1.780	-2.75%	-0.68%	± 5%	
2450	39.200	1.800	38.124	1.787	-2.74%	-0.72%	± 5%	
2457	39.191	1.807	38.115	1.794	-2.74%	-0.75%	± 5%	
2462	39.184	1.813	38.109	1.798	-2.74%	-0.82%	± 5%	
2472	39.171	1.823	38.096	1.807	-2.74%	-0.90%	± 5%	
2480	39.160	1.832	38.086	1.814	-2.74%	-0.98%	± 5%	
5250	35.950	4.710	34.853	4.592	-3.05%	-2.51%	± 5%	Sep. 20, 2024
5290	35.910	4.750	34.807	4.632	-3.07%	-2.48%	± 5%	
5570	35.545	5.039	34.487	4.914	-2.98%	-2.47%	± 5%	
5600	35.500	5.070	34.453	4.944	-2.95%	-2.49%	± 5%	
5750	35.350	5.220	34.281	5.094	-3.02%	-2.41%	± 5%	
5775	35.325	5.245	34.253	5.120	-3.03%	-2.38%	± 5%	
5815	35.285	5.286	34.207	5.160	-3.06%	-2.38%	± 5%	
6025	35.070	5.510	33.965	5.372	-3.15%	-2.50%	± 5%	Sep. 21, 2024
6185	34.878	5.698	33.773	5.535	-3.17%	-2.87%	± 5%	
6345	34.686	5.887	33.581	5.699	-3.19%	-3.20%	± 5%	
6505	34.494	6.076	33.389	5.864	-3.20%	-3.49%	± 5%	
6500	34.500	6.070	33.395	5.859	-3.20%	-3.48%	± 5%	
6665	34.302	6.261	33.197	6.030	-3.22%	-3.70%	± 5%	
6825	34.110	6.447	33.005	6.197	-3.24%	-3.88%	± 5%	
6985	33.918	6.633	32.813	6.365	-3.26%	-4.03%	± 5%	
7000	33.900	6.650	32.795	6.381	-3.26%	-4.05%	± 5%	

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### 3.4 The composition of the tissue simulating liquid:

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

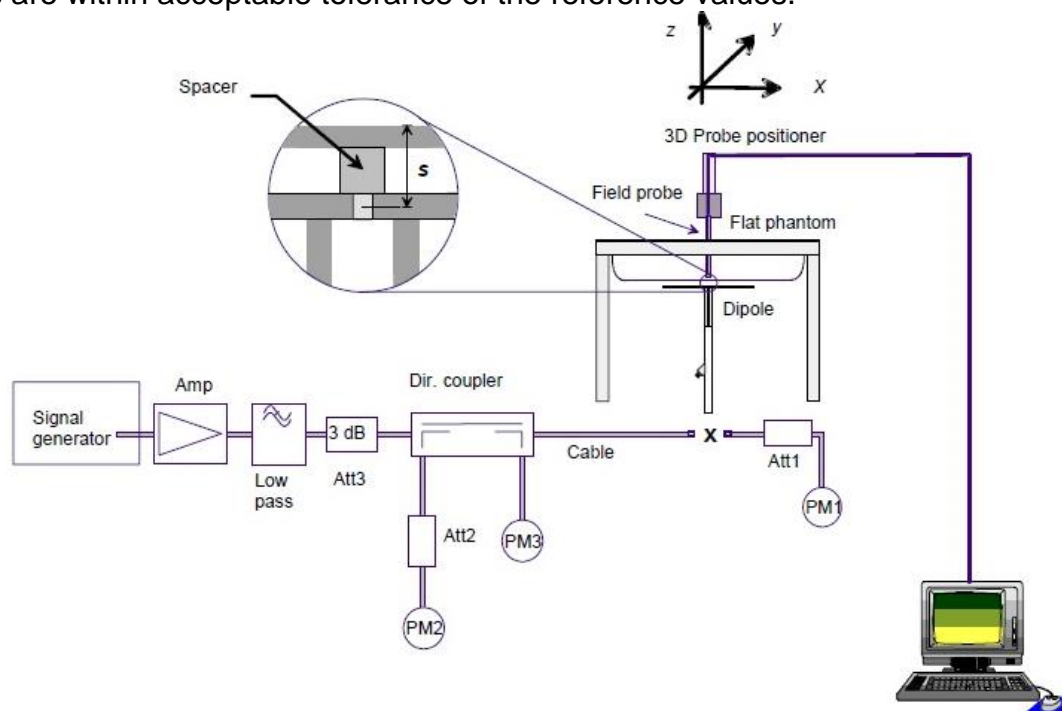
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

### 3.5 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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## 3.6 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	52.7	13.6	54.4	3.23	± 10%	Sep.19,2024

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	1023	5250	78.8	7.88	78.8	0.00	± 10%	Sep.20,2024
D5GHzV2	1023	5600	81.3	8.31	83.1	2.21	± 10%	Sep.20,2024
D5GHzV2	1023	5750	78	8.06	80.6	3.33	± 10%	Sep.20,2024
D5GHzV2	1023	5850	78.6	8.21	82.1	4.45	± 10%	Sep.20,2024

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	297	29.1	291	-2.02	± 10%	Sep.21,2024
D7GHzV2	1007	7000	286	27.6	276	-3.50	± 10%	Sep.21,2024

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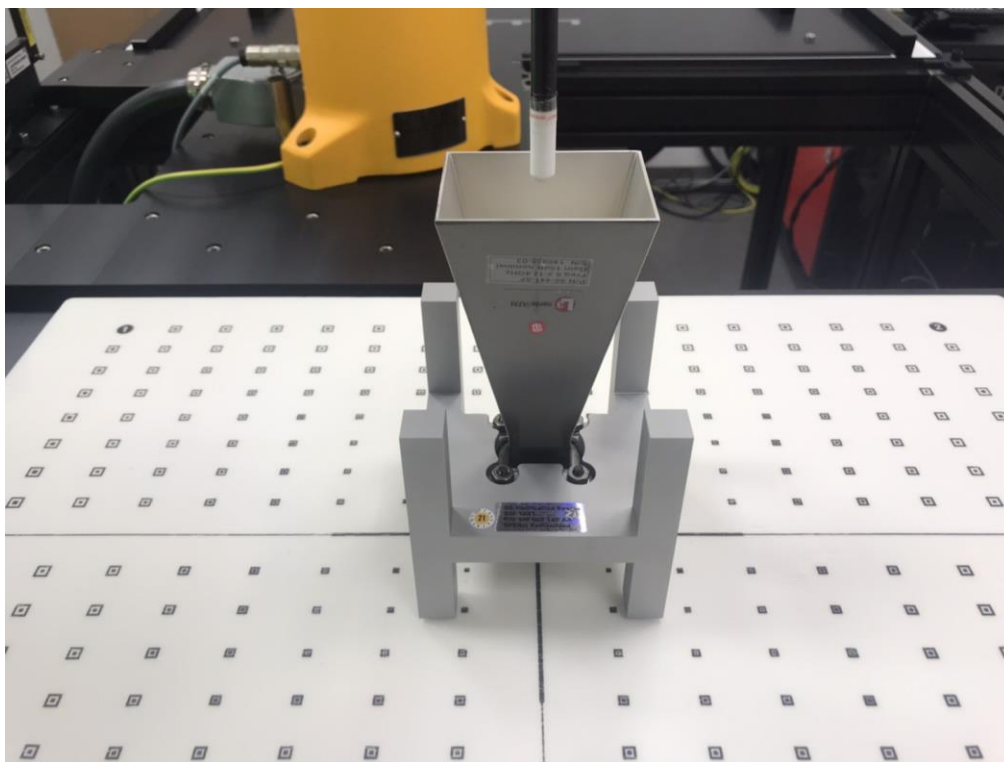
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## 4 PD SYSTEM VERIFICATION

### 4.1 System check

The system was verified to be within  $\pm 0.66$  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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## 4.2 System check result

The system was verified to be within  $\pm 0.66$  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.

Frequency (MHz)	PD Verification Source (MHz)	Probe S/N	DAE S/N	Distance (mm)	Prad (mW)	Measured 4cm <sup>2</sup> (W/m <sup>2</sup> )	Target 4cm <sup>2</sup> (W/m <sup>2</sup> )	Deviation (dB)	Date
10000	10000	9635	558	10	93.3	53.4	56.2	-0.22	Sep.22,2024

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## 5 TEST CONFIGURATIONS

### 5.1 Test Environment

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

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

### 5.2 Test Note

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

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specified maximum output power and the adjusted SAR is  $\leq 1.2$  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 ( $0.0625\lambda$ ) 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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### 5.3 Test position

#### Laptop mode SAR test position (0mm)

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

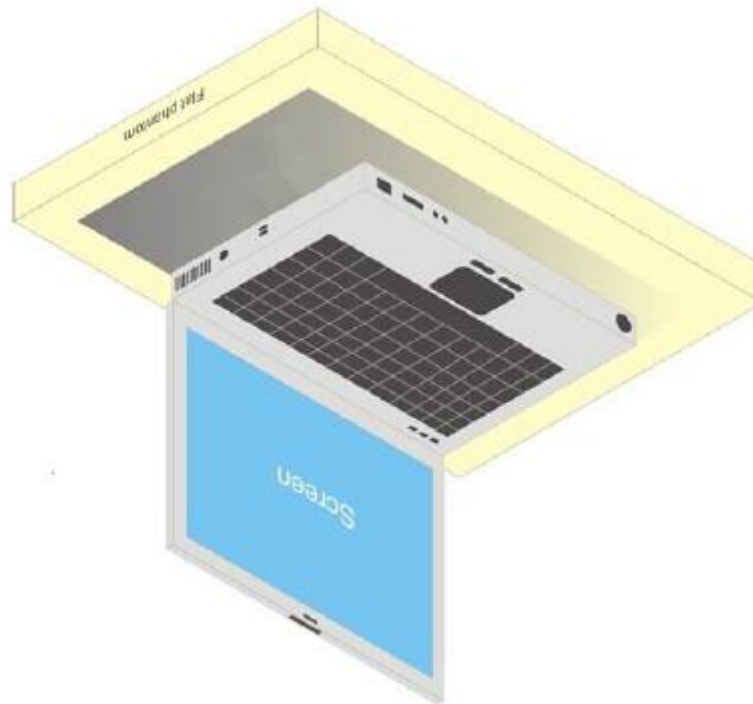


Illustration for Laptop Setup

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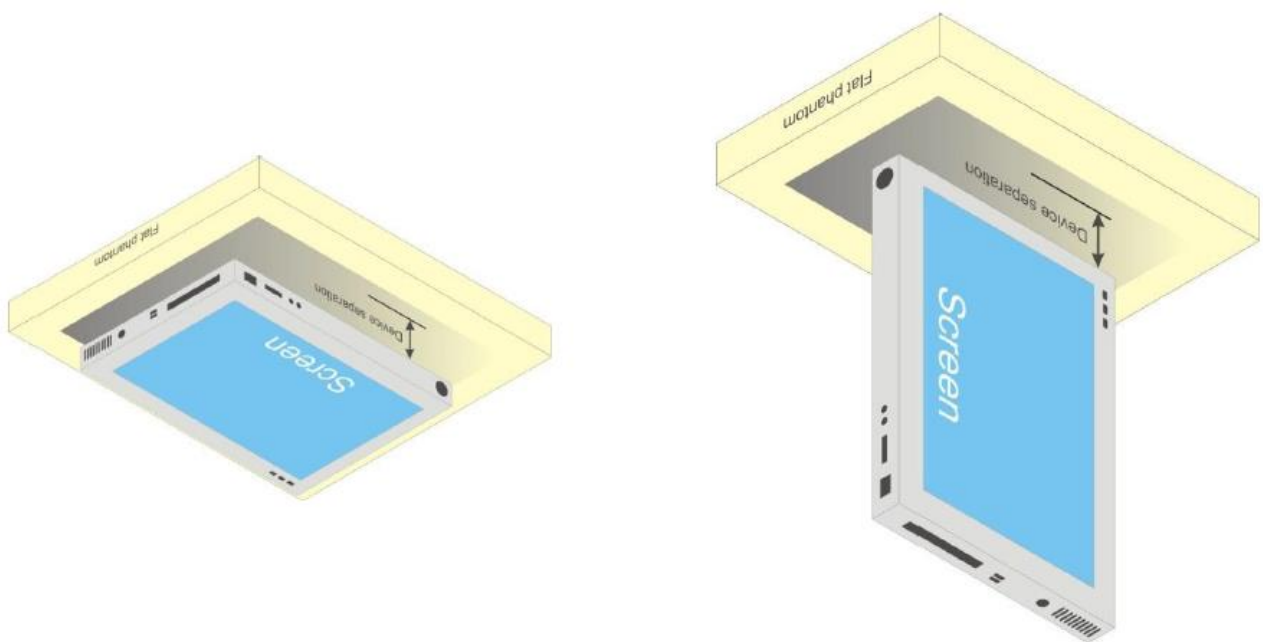
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**Tablet mode SAR test position (0mm)**

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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#### 5.4 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	2.4G	5.2G	5.3G	5.6G	5.6G	5.8G	5.8G	5.9G	6.2G	6.5G	6.7G	7G
			802.11a/b	802.11ac160-VHT0	802.11ac80-VHT0	802.11ac160-VHT0	802.11ac160-VHT0	802.11ac160-VHT0	802.11ac160-VHT0	802.11ac160-HE0	802.11ac160-HE0	802.11ac160-HE0	802.11ac160-HE0	802.11ac160-HE0
Tx1	Laptop power	0°	12.67	10.60	10.69	10.11	10.14	10.60	10.69	11.08	11.01	11.10	11.10	11.17
		10°	12.57	10.63	10.59	10.17	10.12	10.68	10.66	11.02	11.05	11.11	11.15	11.17
		20°	12.54	10.62	10.57	10.19	10.03	10.54	10.67	11.19	11.06	11.06	11.06	11.03
		30°	12.56	10.53	10.65	10.10	10.18	10.57	10.67	11.02	11.11	11.05	11.15	11.15
		40°	12.53	10.61	10.50	10.10	10.09	10.68	10.59	11.08	11.12	11.05	11.14	11.04
		50°	12.59	10.55	10.51	10.09	10.12	10.58	10.61	11.03	11.04	11.06	11.11	11.11
		60°	12.59	10.61	10.52	10.04	10.09	10.60	10.60	11.01	11.20	11.17	11.17	11.16
		70°	12.57	10.60	10.68	10.16	10.02	10.58	10.53	11.07	11.00	11.01	11.09	11.09
		80°	12.51	10.68	10.60	10.00	10.06	10.61	10.62	11.15	11.10	11.08	11.08	11.00
		90°	12.52	10.68	10.63	10.18	10.04	10.58	10.50	11.20	11.16	11.16	11.16	11.05
		100°	12.65	10.63	10.64	10.08	10.01	10.67	10.53	11.06	11.02	11.09	11.12	11.12
		110°	12.60	10.68	10.56	10.16	10.07	10.54	10.51	11.05	11.08	11.18	11.20	11.20
		120°	12.67	10.61	10.57	10.15	10.11	10.52	10.58	11.01	11.03	11.02	11.02	11.02
		130°	12.65	10.66	10.50	10.11	10.06	10.53	10.69	11.16	11.16	11.06	11.10	11.10
		140°	12.53	10.63	10.55	10.01	10.09	10.53	10.70	11.16	11.13	11.19	11.18	11.18
		150°	12.60	10.60	10.70	10.18	10.19	10.61	10.68	11.04	11.12	11.03	11.16	11.16
		160°	12.60	10.52	10.54	10.15	10.12	10.56	10.63	11.14	11.18	11.02	11.05	11.05
		170°	12.63	10.70	10.57	10.07	10.11	10.70	10.55	11.19	11.01	11.15	11.03	11.03
		180°	12.57	10.65	10.51	10.08	10.11	10.53	10.61	11.05	11.17	11.20	11.10	11.10
		190°	12.61	10.52	10.67	10.16	10.02	10.61	10.67	11.14	11.17	11.16	11.15	11.15
		200°	12.58	10.63	10.51	10.11	10.02	10.66	10.51	11.01	11.11	11.17	11.08	11.08
		210°	12.57	10.69	10.65	10.03	10.14	10.64	10.68	11.03	11.02	11.18	11.15	11.15
		220°	12.68	10.68	10.52	10.01	10.14	10.68	10.58	11.02	11.02	11.04	11.11	11.11
		230°	12.59	10.55	10.64	10.10	10.14	10.69	10.60	11.09	11.16	11.08	11.16	11.16
		240°	12.60	10.70	10.69	10.17	10.14	10.67	10.61	11.02	11.02	11.06	11.19	11.19
		250°	12.50	10.53	10.61	10.04	10.03	10.52	10.66	11.08	11.01	11.09	11.04	11.04
		260°	12.69	10.56	10.57	10.13	10.11	10.67	10.55	11.12	11.07	11.03	11.09	11.09
		270°	12.52	10.53	10.61	10.17	10.17	10.54	10.53	11.12	11.05	11.07	11.10	11.10
	Tablet power	280°	12.03	10.01	10.18	9.59	9.65	10.07	10.18	8.12	8.02	6.61	6.61	6.61
	Laptop power	275°	12.04	10.13	10.20	9.69	9.70	10.03	10.14	8.12	8.10	6.60	6.59	6.59
		270°	12.68	10.64	10.61	10.11	10.10	10.55	10.53	11.15	11.05	11.05	11.08	11.08
		271°	12.02	10.14	10.03	9.50	9.55	10.19	10.02	8.12	8.00	6.69	6.58	6.58
		272°	12.17	10.04	10.19	9.53	9.61	10.11	10.07	8.19	8.02	6.68	6.52	6.52
		273°	12.19	10.05	10.17	9.66	9.69	10.09	10.02	8.12	8.19	6.51	6.56	6.56
		274°	12.07	10.06	10.11	9.66	9.66	10.07	10.05	8.19	8.03	6.56	6.56	6.56
		275°	12.09	10.12	10.09	9.60	9.56	10.12	10.20	8.04	8.06	6.65	6.66	6.66
		276°	12.01	10.16	10.02	9.51	9.54	10.13	10.19	8.12	8.03	6.70	6.63	6.63
		277°	12.10	10.16	10.18	9.64	9.67	10.08	10.07	8.08	8.01	6.54	6.65	6.65
		278°	12.18	10.13	10.05	9.64	9.53	10.07	10.06	8.01	8.11	6.64	6.63	6.63
		279°	12.15	10.01	10.06	9.51	9.57	10.20	10.07	8.01	8.13	6.59	6.62	6.62
		280°	12.20	10.07	10.13	9.64	9.63	10.08	10.09	8.11	8.12	6.53	6.64	6.64
		290°	12.13	10.11	10.14	9.53	9.66	10.05	10.09	8.16	8.18	6.63	6.59	6.59
		300°	12.07	10.11	10.07	9.62	9.59	10.15	10.16	8.12	8.16	6.64	6.54	6.54
		310°	12.03	10.20	10.16	9.52	9.51	10.13	10.11	8.17	8.10	6.70	6.67	6.67
		320°	12.16	10.03	10.05	9.66	9.66	10.05	10.00	8.06	8.10	6.55	6.54	6.54
		330°	12.11	10.19	10.13	9.51	9.69	10.11	10.02	8.18	8.04	6.57	6.59	6.59
		340°	12.15	10.18	10.04	9.66	9.53	10.11	10.09	8.07	8.12	6.60	6.54	6.54
		350°	12.13	10.16	10.19	9.53	9.65	10.08	10.09	8.10	8.20	6.66	6.50	6.50
		360°	12.20	10.20	10.05	9.56	9.66	10.17	10.05	8.14	8.00	6.56	6.58	6.58
		350°	12.16	10.10	10.05	9.58	9.63	10.04	10.06	8.20	8.17	6.53	6.56	6.56
		340°	12.05	10.07	10.19	9.55	9.55	10.18	10.16	8.12	8.02	6.57	6.56	6.56
		330°	12.07	10.05	10.19	9.64	9.60	10.11	10.11	8.19	8.11	6.59	6.51	6.51
		320°	12.07	10.17	10.15	9.60	9.53	10.07	10.01	8.10	8.03	6.67	6.58	6.58
		310°	12.10	10.10	10.06	9.68	9.50	10.15	10.07	8.02	8.02	6.60	6.58	6.58
		300°	12.07	10.10	10.01	9.69	9.53	10.19	10.16	8.04	8.12	6.60	6.63	6.63
		290°	12.18	10.15	10.05	9.69	9.63	10.02	10.06	8.07	8.07	6.65	6.64	6.64
		280°	12.15	10.02	10.18	9.52	9.59	10.10	10.13	8.04	8.13	6.66	6.65	6.65
		270°	12.06	10.10	10.09	9.63	9.54	10.09	10.06	8.18	8.17	6.55	6.62	6.62
		275°	12.11	10.07	10.07	9.55	9.60	10.04	10.00	8.15	8.11	6.61	6.51	6.51
		274°	12.03	10.07	10.05	9.67	9.63	10.07	10.01	8.13	8.19	6.56	6.62	6.62
		273°	12.16	10.08	10.19	9.67	9.64	10.14	10.19	8.10	8.14	6.52	6.57	6.57
		272°	12.00	10.06	10.06	9.63	9.52	10.07	10.08	8.07	8.11	6.63	6.70	6.70
		271°	12.07	10.03	10.09	9.58	9.52	10.09	10.06	8.13	8.01	6.58	6.69	6.69
	Laptop power	270°	12.70	10.56	10.69	10.04	10.19	10.59	10.69	11.16	11.02	11.01	11.10	11.10
		269°	12.64	10.63	10.66	10.17	10.11	10.61	10.60	11.17	11.05	11.15	11.18	11.18
		268°	12.67	10.70	10.52	10.20	10.11	10.53	10.67	11.01	11.18	11.00	11.20	11.20
		267°	12.68	10.53	10.59	10.05	10.17	10.51	10.53	11.15	11.19	11.01	11.11	11.11
		266°	12.61	10.52	10.57	10.16	10.07	10.58	10.68	11.18	11.07	11.19	11.19	11.02
		265°	12.66	10.55	10.55	10.04	10.13	10.52	10.62	11.06	11.13	11.09	11.16	11.16
		255°	12.62	10.59	10.57	10.06	10.15	10.63	10.58	11.08	11.10	11.18	11.11	11.11
		245°	12.60	10.70	10.64	10.06	10.17	10.52	10.53	11.06	11.06	11.17	11.18	11.18
		235°	12.67	10.60	10.52	10.08	10.14	10.63	10.64	11.06	11.07	11.08	11.18	11.18
		225°	12.51	10.54	10.56	10.20	10.03	10.53	10.63	11.14	11.01	11.01	11.11	11.11
		215°	12.61	10.53	10.59	10.02	10.15	10.67	10.61	11.11	11.01	11.16	11.16	11.16
		205°	12.56	10.64	10.67	10.00	10.10	10.64	10.51	11.02	11.08	11.03	11.11	11.11
		195°	12.67	10.61	10.61	10.16	10.11	10.62	10.53	11.17	11.04	11.12	11.16	11.16
		185°	12.64	10.60	10.53	10.03	10.16	10.66	10.61	11.19	11.02	11.14	11.10	11.10
		175°	12.56	10.65	10.57	10.11	10.02	10.67	10.51	11.12	11.12	11.08	11.13	11.13
		165°	12.55	10.65	10.68	10.18	10.07	10.68	10.66	11.13	11.00	11.17	11.06	11.06
		155°	12.59	10.60	10.64	10.14	10.18	10.56	10.67	11.02	11.05	11.05	11.14	11.14
		145°	12.54	10.53	10.57	10.19	10.15	10.66	10.66	11.03	11.06	11.03	11.12	11.12
		135°	12.66	10.61	10.68	10.06	10.11	10.51	10.70	11.14	11.06	11.16	11.16	11.16
		125°	12.51	10.65	10.59	10.03	10.19	10.51	10.51	11.02	11.11	11.11	11.05	11.05
		115°	12.67	10.67	10.62	10.09	10.03	10.62	10.53	11.07	11.11	11.07	11.14	11.14
		105°	12.64	10.68	10.56	10.08	10.16	10.50	10.52	11.14	11.12	11.13	11.03	11.03
		95°	12.61	10.64	10.69	10.01	10.09	10.67	10.69	11.06	11.07	11.17	11.09	11.09
		85°	12.56	10.55	10.67	10.03	10.17	10.52	10.60	11.19	11.06	11.14	11.12	11.12
		75°	12.53	10.52	10.64	10.09	10.14	10.67	10.53	11.18	11.08	11.02	11.10	11.10
		65°	12.54	10.56	10.68	10.05	10.07	10.62	10.50	11.07	11.05	11.18	11.17	11.17
		55°	1											

Antenna	Operation mode	Lid angle	2.4G	5.2G	5.3G	5.6G	5.6G	5.8G	5.9G	6.2G	6.5G	6.7G	7G
Tx2	Laptop power	802.11b	802.11ac160-VHT0	802.11ac80-VHT0	802.11ac160-VHT0	802.11ac80-VHT0	802.11ac160-VHT0	802.11ac160-VHT0	802.11ac160-VHT0	802.11ac160-HE0	802.11ac160-HE0	802.11ac160-HE0	802.11ac160-HE0
		802.11b	802.11ac160-VHT0	802.11ac80-VHT0	802.11ac160-VHT0	802.11ac80-VHT0	802.11ac160-VHT0	802.11ac160-VHT0	802.11ac160-VHT0	802.11ac160-HE0	802.11ac160-HE0	802.11ac160-HE0	802.11ac160-HE0
		0°	12.58	10.58	10.66	10.19	10.16	10.65	10.69	11.04	11.06	11.14	11.15
		10°	12.59	10.64	10.52	10.02	10.10	10.57	10.51	11.03	11.08	11.08	11.02
		20°	12.58	10.62	10.54	10.14	10.19	10.59	10.60	11.15	11.01	11.03	11.02
		30°	12.63	10.65	10.59	10.07	10.13	10.62	10.69	11.13	11.01	11.04	11.17
		40°	12.61	10.60	10.61	10.02	10.07	10.60	10.52	11.05	11.02	11.02	11.03
		50°	12.60	10.61	10.52	10.16	10.02	10.64	10.65	11.17	11.07	11.10	11.11
		60°	12.60	10.58	10.61	10.03	10.12	10.52	10.65	11.10	11.17	11.19	11.01
		70°	12.67	10.69	10.66	10.07	10.10	10.69	10.70	11.17	11.07	11.09	11.14
		80°	12.58	10.69	10.50	10.01	10.20	10.69	10.59	11.02	11.08	11.07	11.03
		90°	12.52	10.52	10.58	10.19	10.10	10.59	10.53	11.07	11.09	11.01	11.04
		100°	12.60	10.54	10.52	10.08	10.04	10.52	10.51	11.15	11.19	11.06	11.01
		110°	12.66	10.59	10.58	10.16	10.03	10.52	10.55	11.12	11.00	11.18	11.10
		120°	12.53	10.51	10.68	10.13	10.04	10.64	10.61	11.18	11.07	11.05	11.07
		130°	12.57	10.57	10.55	10.05	10.09	10.66	10.53	11.07	11.07	11.02	11.19
		140°	12.51	10.68	10.61	10.05	10.02	10.64	10.59	11.13	11.01	11.12	11.12
		150°	12.56	10.56	10.61	10.11	10.10	10.62	10.67	11.04	11.07	11.10	11.20
		160°	12.62	10.57	10.64	10.05	10.07	10.63	10.69	11.02	11.01	11.14	11.05
		170°	12.57	10.61	10.56	10.03	10.09	10.66	10.70	11.08	11.17	11.13	11.10
		180°	12.64	10.59	10.51	10.19	10.01	10.64	10.64	11.04	11.17	11.18	11.13
		190°	12.61	10.65	10.64	10.18	10.11	10.65	10.56	11.20	11.10	11.03	11.03
		200°	12.63	10.67	10.60	10.14	10.05	10.53	10.64	11.00	11.15	11.12	11.19
		210°	12.57	10.63	10.62	10.10	10.11	10.65	10.58	11.02	11.02	11.16	11.13
		220°	12.54	10.55	10.60	10.08	10.10	10.58	10.67	11.12	11.06	11.17	11.09
		230°	12.51	10.69	10.66	10.19	10.15	10.54	10.68	11.10	11.09	11.06	11.02
		240°	12.50	10.56	10.67	10.10	10.19	10.55	10.62	11.05	11.08	11.10	11.06
250°	12.55	10.67	10.51	10.14	10.01	10.63	10.57	11.19	11.03	11.08	11.09		
260°	12.65	10.60	10.66	10.19	10.12	10.64	10.62	11.14	11.07	11.06	11.14		
270°	12.52	10.68	10.61	10.11	10.19	10.66	10.58	11.14	11.13	11.06	11.05		
Tx2 <th rowspan="27">Tablet power</th> <td>280°</td> <td>12.13</td> <td>10.11</td> <td>10.12</td> <td>9.69</td> <td>9.64</td> <td>10.01</td> <td>10.12</td> <td>8.18</td> <td>8.18</td> <td>8.11</td> <td>8.02</td>	Tablet power	280°	12.13	10.11	10.12	9.69	9.64	10.01	10.12	8.18	8.18	8.11	8.02
		275°	12.14	10.11	10.09	9.56	9.54	10.16	10.03	8.16	8.16	8.06	8.11
		270°	12.67	10.63	10.56	10.18	10.08	10.57	10.69	11.16	11.16	11.14	11.14
		271°	12.05	10.01	10.01	9.52	9.58	10.15	10.13	8.02	8.11	8.18	8.02
		272°	12.08	10.04	10.17	9.52	9.65	10.18	10.02	8.09	8.09	8.03	8.07
		273°	12.03	10.19	10.17	9.62	9.69	10.16	10.03	8.07	8.17	8.19	8.11
		274°	12.09	10.10	10.09	9.69	9.53	10.04	10.11	8.10	8.19	8.18	8.13
		275°	12.15	10.12	10.14	9.62	9.61	10.11	10.04	8.14	8.01	8.12	8.02
		276°	12.11	10.02	10.02	9.69	9.58	10.10	10.09	8.06	8.16	8.17	8.05
		277°	12.02	10.07	10.17	9.52	9.61	10.08	10.18	8.12	8.19	8.12	8.01
		278°	12.05	10.04	10.16	9.59	9.54	10.05	10.20	8.12	8.04	8.14	8.10
		279°	12.18	10.04	10.04	9.63	9.59	10.09	10.11	8.02	8.07	8.04	8.05
		280°	12.06	10.20	10.02	9.58	9.63	10.19	10.19	8.15	8.10	8.15	8.17
		290°	12.11	10.02	10.16	9.55	9.57	10.01	10.04	8.13	8.13	8.16	8.18
		300°	12.20	10.08	10.19	9.69	9.60	10.13	10.16	8.19	8.08	8.00	8.19
		310°	12.09	10.01	10.19	9.52	9.52	10.07	10.04	8.06	8.06	8.13	8.19
		320°	12.18	10.16	10.07	9.58	9.64	10.06	10.12	8.13	8.01	8.09	8.00
		330°	12.12	10.01	10.17	9.58	9.67	10.19	10.15	8.05	8.09	8.02	8.05
		340°	12.11	10.17	10.18	9.63	9.65	10.07	10.12	8.01	8.19	8.16	8.14
		350°	12.00	10.14	10.19	9.66	9.59	10.12	10.03	8.06	8.02	8.11	8.05
		360°	12.03	10.07	10.03	9.70	9.51	10.14	10.20	8.10	8.12	8.14	8.08
		360°	12.09	10.06	10.17	9.54	9.65	10.06	10.07	8.13	8.10	8.02	8.05
		340°	12.09	10.05	10.20	9.66	9.64	10.06	10.20	8.14	8.12	8.01	8.16
		330°	12.02	10.14	10.10	9.59	9.64	10.18	10.06	8.17	8.17	8.13	8.16
		320°	12.01	10.13	10.12	9.66	9.62	10.12	10.16	8.03	8.10	8.13	8.09
		310°	12.03	12.03	10.06	9.56	9.67	10.05	10.09	8.07	8.07	8.06	8.05
		300°	12.00	10.08	10.08	9.62	9.59	10.00	10.03	8.05	8.03	8.14	8.19
290°	12.19	10.12	10.17	9.50	9.57	10.08	10.15	8.19	8.11	8.14	8.10		
280°	12.15	10.03	10.07	9.50	9.54	10.19	10.14	8.01	8.13	8.12	8.04		
270°	12.10	10.02	10.18	9.52	9.58	10.15	10.01	8.19	8.17	8.08	8.12		
275°	12.11	10.03	10.15	9.50	9.50	10.14	10.05	8.08	8.05	8.09	8.16		
274°	12.15	10.11	10.10	9.67	9.52	10.16	10.10	8.14	8.01	8.03	8.19		
273°	12.16	10.06	10.14	9.62	9.51	10.18	10.03	8.13	8.11	8.03	8.12		
272°	12.13	10.08	10.17	9.61	9.52	10.12	10.03	8.15	8.07	8.03	8.04		
271°	12.03	10.05	10.01	9.56	9.55	10.03	10.09	8.07	8.17	8.10	8.02		
Tx2 <th rowspan="27">Tablet power</th> <td>270°</td> <td>12.63</td> <td>10.54</td> <td>10.62</td> <td>10.17</td> <td>10.12</td> <td>10.61</td> <td>10.68</td> <td>11.18</td> <td>11.16</td> <td>11.15</td> <td>11.10</td>	Tablet power	270°	12.63	10.54	10.62	10.17	10.12	10.61	10.68	11.18	11.16	11.15	11.10
		269°	12.68	10.60	10.64	10.12	10.11	10.69	10.62	11.15	11.01	11.05	11.04
		268°	12.65	10.70	10.70	10.19	10.12	10.63	10.63	11.14	11.02	11.20	11.10
		267°	12.69	10.65	10.56	10.00	10.19	10.60	10.54	11.00	11.14	11.11	11.15
		266°	12.53	10.69	10.59	10.19	10.04	10.61	10.56	11.04	11.18	11.18	11.17
		265°	12.69	10.51	10.66	10.06	10.13	10.51	10.60	11.09	11.12	11.08	11.15
		265°	12.55	10.63	10.54	10.02	10.15	10.60	10.54	11.09	11.08	11.00	11.05
		245°	12.51	10.54	10.57	10.07	10.11	10.59	10.60	11.11	11.13	11.03	11.16
		235°	12.54	10.59	10.68	10.10	10.14	10.53	10.51	11.09	11.05	11.06	11.02
		225°	12.68	10.52	10.56	10.01	10.13	10.56	10.57	11.01	11.19	11.10	11.16
		215°	12.58	10.66	10.59	10.08	10.16	10.61	10.62	11.05	11.11	11.20	11.10
		205°	12.67	10.63	10.56	10.11	10.12	10.60	10.63	11.03	11.11	11.02	11.10
		195°	12.54	10.51	10.64	10.14	10.07	10.56	10.64	11.17	11.01	11.11	11.20
		185°	12.66	10.63	10.60	10.04	10.09	10.56	10.61	11.00	11.19	11.08	11.08
		175°	12.63	10.57	10.66	10.01	10.20	10.68	10.62	11.13	11.03	11.01	11.01
		165°	12.65	10.51	10.55	10.01	10.08	10.53	10.51	11.06	11.06	11.04	11.05
		155°	12.65	10.62	10.55	10.01	10.06	10.55	10.68	11.14	11.18	11.05	11.03
		145°	12.65	10.69	10.52	10.00	10.08	10.54	10.51	11.08	11.08	11.10	11.03
		135°	12.55	10.61	10.64	10.11	10.07	10.69	10.50	11.02	11.04	11.07	11.19
		125°	12.60	10.62	10.63	10.16	10.13	10.58	10.60	11.19	11.05	11.19	11.19
		115°	12.52	10.52	10.67	10.09	10.18	10.67	10.51	11.14	11.12	11.09	11.17
		105°	12.58	10.64	10.50	10.18	10.08	10.54	10.56	11.13	11.08	11.07	11.15
		95°	12.59	10.70	10.70	10.10	10.05	10.69	10.54	11.14	11.15	11.01	11.13
		85°	12.69	10.63	10.53	10.15	10.15	10.51	10.50	11.09	11.12	11.00	11.19
		75°	12.61	10.53	10.63	10.02	10.19	10.56	10.69	11.04	11.17	11.17	11.19
		65°	12.52	10.69	10.55	10.16	10.18	10.54	10.59	11.01	11.11	11.14	11.20
		55°	12.50	10.60	10.70	10.04	10.04	10.58	10.60	11.07	11.10	11.05	11.02
45°	12.63	10.58	10.58	10.08	10.12	10.58	10.61	11.17	11.05	11.01	11.12		
35°	12.57	10.65	10.52	10.15	10.03	10.52	10.53	11.19	11.12	11.13	11.15		
25°	12.50	10.59	10.66	10.09	10.06	10.68	10.70	11.14	11.12	11.07	11.08		
Tx2 <th rowspan="27">Laptop power</th> <td>15°</td> <td>12.54</td> <td>10.67</td> <td>10.65</td> <td>10.01</td> <td>10.03</td> <td>10.59</td> <td>10.56</td> <td>11.04</td> <td>11.09</td> <td>11.20</td> <td>11.19</td>	Laptop power	15°	12.54	10.67	10.65	10.01	10.03	10.59	10.56	11.04	11.09	11.20	11.19
		5°	12.58	10.52	10.51	10.07	10.03	10.53	10.58	11.06			

## 5.5 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

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.

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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 4cm<sup>2</sup> per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

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.

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Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	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 <sup>2</sup> )	<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 <sup>2</sup> )	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. \* = Plane-wave equivalent power density.

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

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## 6 MAXIMUM OUTPUT POWER

### 6.1 WLAN

#### Notebook mode

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	13.50	13.46
		6	2437		13.50	13.40
		11	2462		13.50	13.48
		12	2467		13.50	13.47
		13	2472		13.50	13.49
	802.11g	1	2412	6Mbps	13.50	13.33
		6	2437		13.50	13.43
		11	2462		13.50	13.36
		12	2467		13.50	13.26
		13	2472		13.50	13.43
	802.11n20-HT0	1	2412	MCS0	13.50	13.35
		6	2437		13.50	13.28
		11	2462		13.50	13.34
		12	2467		13.50	13.34
		13	2472		13.50	13.36
	802.11ax20-HE0	1	2412	MCS0	13.50	13.33
		6	2437		13.50	13.36
		11	2462		13.50	13.44
		12	2467		13.50	13.30
		13	2472		13.50	13.42
	802.11be20-EHT0	1	2412	MCS0	13.50	13.43
		2	2417		13.50	13.27
		6	2437		13.50	13.31
		10	2457		13.50	13.27
		11	2462		13.50	13.45
		12	2467		13.50	13.45
		13	2472		13.50	13.40
	802.11n40-HT0	3	2422	MCS0	13.50	13.30
		6	2437		13.50	13.44
		9	2452		13.50	13.35
	802.11ax40-HE0	3	2422	MCS0	13.50	13.31
		6	2437		13.50	13.34
		9	2452		13.50	13.42
	802.11be40-EHT0	3	2422	MCS0	13.50	13.40
		6	2437		13.50	13.41
		9	2452		13.50	13.50

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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	11.50	11.30
		40	5200		11.50	11.27
		44	5220		11.50	11.41
		48	5240		11.50	11.30
	802.11n20-HT0	36	5180	MCS0	11.50	11.44
		40	5200		11.50	11.37
		44	5220		11.50	11.41
		48	5240		11.50	11.41
	802.11ac20-VHT0	36	5180	MCS0	11.50	11.34
		40	5200		11.50	11.45
		44	5220		11.50	11.38
		48	5240		11.50	11.37
	802.11ax20-HE0	36	5180	MCS0	11.50	11.27
		40	5200		11.50	11.42
		44	5220		11.50	11.39
		48	5240		11.50	11.29
	802.11be20-EHT0	36	5180	MCS0	11.50	11.26
		40	5200		11.50	11.33
		44	5220		11.50	11.44
		48	5240		11.50	11.28
	802.11n40-HT0	38	5190	MCS0	11.50	11.43
		46	5230		11.50	11.39
	802.11ac40-VHT0	38	5190	MCS0	11.50	11.35
		46	5230		11.50	11.44
	802.11ax40-HE0	38	5190	MCS0	11.50	11.43
		46	5230		11.50	11.28
	802.11be40-EHT0	38	5190	MCS0	11.50	11.45
		46	5230		11.50	11.44
	802.11ac80-VHT0	42	5210	MCS0	11.50	11.37
	802.11ax80-HE0	42	5210	MCS0	11.50	11.42
	802.11be80-EHT0	42	5210	MCS0	11.50	11.47
	802.11ac160-VHT0	50	5250	MCS0	11.50	11.48
	802.11ax160-HE0	50	5250	MCS0	11.50	10.42
	802.11be160-EHT0	50	5250	MCS0	11.50	11.38

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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	11.50	11.40
		56	5280		11.50	11.33
		60	5300		11.50	11.28
		64	5320		11.50	11.42
	802.11n20-HT0	52	5260	MCS0	11.50	11.41
		56	5280		11.50	11.41
		60	5300		11.50	11.39
		64	5320		11.50	11.26
	802.11ac20-VHT0	52	5260	MCS0	11.50	11.32
		56	5280		11.50	11.31
		60	5300		11.50	11.38
		64	5320		11.50	11.40
	802.11ax20-HE0	52	5260	MCS0	11.50	11.40
		56	5280		11.50	11.31
		60	5300		11.50	11.30
		64	5320		11.50	11.38
	802.11be20-EHT0	52	5260	MCS0	11.50	11.25
		56	5280		11.50	11.32
		60	5300		11.50	11.27
		64	5320		11.50	11.31
	802.11n40-HT0	54	5270	MCS0	11.50	11.31
		62	5310		11.50	11.37
	802.11ac40-VHT0	54	5270	MCS0	11.50	11.30
		62	5310		11.50	11.37
	802.11ax40-HE0	54	5270	MCS0	11.50	11.37
		62	5310		11.50	11.31
	802.11be40-EHT0	54	5270	MCS0	11.50	11.37
		62	5310		11.50	11.36
	802.11ac80-VHT0	58	5290	MCS0	11.50	11.43
	802.11ax80-HE0	58	5290	MCS0	11.50	11.33
	802.11be80-EHT0	58	5290	MCS0	11.50	11.41

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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	11.00	10.87
		120	5600		11.00	10.85
		140	5700		11.00	10.89
		144	5720		11.00	10.79
	802.11n20-HT0	100	5500	MCS0	11.00	10.83
		120	5600		11.00	10.94
		140	5700		11.00	10.80
		144	5720		11.00	10.93
	802.11ac20-VHT0	100	5500	MCS0	11.00	10.91
		120	5600		11.00	10.81
		140	5700		11.00	10.82
		144	5720		11.00	10.83
	802.11ax20-HE0	100	5500	MCS0	11.00	10.77
		120	5600		11.00	10.87
		140	5700		11.00	10.93
		144	5720		11.00	10.80
	802.11be20-EHT0	100	5500	MCS0	11.00	10.88
		104	5520		11.00	10.84
		116	5580		11.00	10.90
		120	5600		11.00	10.86
		136	5680		11.00	10.75
		140	5700		11.00	10.83
		144	5720		11.00	10.87
		102	5510		11.00	10.84
	802.11n40-HT0	110	5550	MCS0	11.00	10.82
		118	5590		11.00	10.91
		134	5670		11.00	10.87
		142	5710		11.00	10.91
		102	5510		11.00	10.87
	802.11ac40-VHT0	110	5550	MCS0	11.00	10.77
		118	5590		11.00	10.90
		134	5670		11.00	10.81
		142	5710		11.00	10.94
		102	5510		11.00	10.87
	802.11ax40-HE0	110	5550	MCS0	11.00	10.81
		118	5590		11.00	10.83
		134	5670		11.00	10.79
		142	5710		11.00	10.86
		102	5510		11.00	10.79
	802.11be40-EHT0	110	5550	MCS0	11.00	10.92
		118	5590		11.00	10.82
		134	5670		11.00	10.76
		142	5710		11.00	10.81
		106	5530		11.00	10.82
	802.11ac80-VHT0	122	5610	MCS0	11.00	10.87
		138	5690		11.00	10.78
		106	5530		11.00	10.83
	802.11ax80-HE0	122	5610	MCS0	11.00	10.85
		138	5690		11.00	10.87
		106	5530		11.00	10.90
	802.11be80-EHT0	122	5610	MCS0	11.00	10.86
		138	5690		11.00	10.92
		114	5570		11.00	10.98
	802.11ac160-VHT0	114	5570	MCS0	11.00	10.92
	802.11ax160-HE0	114	5570	MCS0	11.00	10.92
	802.11be160-EHT0	114	5570	MCS0	11.00	10.99

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Main						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	11.50	11.38
		157	5785		11.50	11.34
		165	5825		11.50	11.26
	802.11n20-HT0	149	5745	MCS0	11.50	11.40
		157	5785		11.50	11.37
		165	5825		11.50	11.44
	802.11ac20-VHT0	149	5745	MCS0	11.50	11.41
		157	5785		11.50	11.27
		165	5825		11.50	11.27
	802.11ax20-HE0	149	5745	MCS0	11.50	11.32
		157	5785		11.50	11.30
		165	5825		11.50	11.31
	802.11be20-EHT0	149	5745	MCS0	11.50	11.35
		157	5785		11.50	11.38
		165	5825		11.50	11.29
	802.11n40-HT0	151	5755	MCS0	11.50	11.42
		159	5795		11.50	11.28
	802.11ac40-VHT0	151	5755	MCS0	11.50	11.34
		159	5795		11.50	11.35
	802.11ax40-HE0	151	5755	MCS0	11.50	11.41
		159	5795		11.50	11.39
	802.11be40-EHT0	151	5755	MCS0	11.50	11.43
		159	5795		11.50	11.30
	802.11ac80-VHT0	155	5775	MCS0	11.50	11.49
	802.11ax80-HE0	155	5775	MCS0	11.50	11.23
	802.11be80-EHT0	155	5775	MCS0	11.50	11.40

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5.9GHz	802.11a	169	5845	6Mbps	11.50	11.35
		173	5865		11.50	11.31
		177	5885		11.50	11.36
	802.11n20-HT0	169	5845	MCS0	11.50	11.42
		173	5865		11.50	11.29
		177	5885		11.50	11.27
	802.11ac20-VHT0	169	5845	MCS0	11.50	11.37
		173	5865		11.50	11.44
		177	5885		11.50	11.42
	802.11ax20-HE0	169	5845	MCS0	11.50	11.27
		173	5865		11.50	11.30
		177	5885		11.50	11.26
	802.11be20-EHT0	169	5845	MCS0	11.50	11.41
		173	5865		11.50	11.26
		177	5885		11.50	11.30
	802.11n40-HT0	167	5835	MCS0	11.50	11.26
		175	5875		11.50	11.31
	802.11ac40-VHT0	167	5835	MCS0	11.50	11.44
		175	5875		11.50	11.38
	802.11ax40-HE0	167	5835	MCS0	11.50	11.38
		175	5875		11.50	11.29
	802.11be40-EHT0	167	5835	MCS0	11.50	11.33
		175	5875		11.50	11.37
	802.11ac80-VHT0	171	5855	MCS0	11.50	11.32
	802.11ax80-HE0	171	5855	MCS0	11.50	11.37
	802.11be80-EHT0	171	5855	MCS0	11.50	11.42
	802.11ac160-VHT0	163	5815	MCS0	11.50	11.48
	802.11ax160-HE0	163	5815	MCS0	11.50	11.39
	802.11be160-EHT0	163	5815	MCS0	11.50	11.32

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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	13.50	13.44
		6	2437		13.50	13.48
		11	2462		13.50	13.47
		12	2467		13.50	13.46
		13	2472		13.50	13.49
	802.11g	1	2412	6Mbps	13.50	13.29
		6	2437		13.50	13.36
		11	2462		13.50	13.29
		12	2467		13.50	13.33
		13	2472		13.50	13.40
	802.11n20-HT0	1	2412	MCS0	13.50	13.25
		6	2437		13.50	13.28
		11	2462		13.50	13.39
		12	2467		13.50	13.35
		13	2472		13.50	13.32
	802.11ax20-HE0	1	2412	MCS0	13.50	13.39
		6	2437		13.50	13.43
		11	2462		13.50	13.32
		12	2467		13.50	13.39
		13	2472		13.50	13.44
	802.11be20-EHT0	1	2412	MCS0	13.50	13.27
		2	2417		13.50	13.27
		6	2437		13.50	13.35
		10	2457		13.50	13.29
		11	2462		13.50	13.30
		12	2467		13.50	13.34
		13	2472		13.50	13.31
	802.11n40-HT0	3	2422	MCS0	13.50	13.45
		6	2437		13.50	13.32
		9	2452		13.50	13.30
	802.11ax40-HE0	3	2422	MCS0	13.50	13.31
		6	2437		13.50	13.37
		9	2452		13.50	13.32
	802.11be40-EHT0	3	2422	MCS0	13.50	13.37
		6	2437		13.50	13.44
		9	2452		13.50	13.34

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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	11.50	11.36
		40	5200		11.50	11.32
		44	5220		11.50	11.41
		48	5240		11.50	11.29
	802.11n20-HT0	36	5180	MCS0	11.50	11.26
		40	5200		11.50	11.29
		44	5220		11.50	11.28
		48	5240		11.50	11.43
	802.11ac20-VHT0	36	5180	MCS0	11.50	11.29
		40	5200		11.50	11.44
		44	5220		11.50	11.37
		48	5240		11.50	11.35
	802.11ax20-HE0	36	5180	MCS0	11.50	11.40
		40	5200		11.50	11.36
		44	5220		11.50	11.36
		48	5240		11.50	11.39
	802.11be20-EHT0	36	5180	MCS0	11.50	11.33
		40	5200		11.50	11.38
		44	5220		11.50	11.35
		48	5240		11.50	11.38
	802.11n40-HT0	38	5190	MCS0	11.50	11.44
		46	5230		11.50	11.38
	802.11ac40-VHT0	38	5190	MCS0	11.50	11.25
		46	5230		11.50	11.41
	802.11ax40-HE0	38	5190	MCS0	11.50	11.43
		46	5230		11.50	11.44
	802.11be40-EHT0	38	5190	MCS0	11.50	11.35
		46	5230		11.50	11.40
	802.11ac80-VHT0	42	5210	MCS0	11.50	11.27
	802.11ax80-HE0	42	5210	MCS0	11.50	11.38
	802.11be80-EHT0	42	5210	MCS0	11.50	11.35
	802.11ac160-VHT0	50	5250	MCS0	11.50	11.49
	802.11ax160-HE0	50	5250	MCS0	11.50	11.31
	802.11be160-EHT0	50	5250	MCS0	11.50	11.46

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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	11.50	11.35
		56	5280		11.50	11.32
		60	5300		11.50	11.37
		64	5320		11.50	11.41
	802.11n20-HT0	52	5260	MCS0	11.50	11.27
		56	5280		11.50	11.42
		60	5300		11.50	11.32
		64	5320		11.50	11.26
	802.11ac20-VHT0	52	5260	MCS0	11.50	11.27
		56	5280		11.50	11.30
		60	5300		11.50	11.37
		64	5320		11.50	11.37
	802.11ax20-HE0	52	5260	MCS0	11.50	11.39
		56	5280		11.50	11.32
		60	5300		11.50	11.37
		64	5320		11.50	11.28
	802.11be20-EHT0	52	5260	MCS0	11.50	11.25
		56	5280		11.50	11.42
		60	5300		11.50	11.31
		64	5320		11.50	11.29
	802.11n40-HT0	54	5270	MCS0	11.50	11.30
		62	5310		11.50	11.29
	802.11ac40-VHT0	54	5270	MCS0	11.50	11.30
		62	5310		11.50	11.29
	802.11ax40-HE0	54	5270	MCS0	11.50	11.40
		62	5310		11.50	11.44
	802.11be40-EHT0	54	5270	MCS0	11.50	11.44
		62	5310		11.50	11.47
	802.11ac80-VHT0	58	5290	MCS0	11.50	11.49
	802.11ax80-HE0	58	5290	MCS0	11.50	11.38
	802.11be80-EHT0	58	5290	MCS0	11.50	11.44

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5.6GHz	802.11a	100	5500	6Mbps	11.00	10.82
		120	5600		11.00	10.90
		140	5700		11.00	10.82
		144	5720		11.00	10.77
	802.11n20-HT0	100	5500	MCS0	11.00	10.87
		120	5600		11.00	10.91
		140	5700		11.00	10.93
		144	5720		11.00	10.92
	802.11ac20-VHT0	100	5500	MCS0	11.00	10.78
		120	5600		11.00	10.88
		140	5700		11.00	10.92
		144	5720		11.00	10.90
	802.11ax20-HE0	100	5500	MCS0	11.00	10.87
		120	5600		11.00	10.84
		140	5700		11.00	10.94
		144	5720		11.00	10.87
	802.11be20-EHT0	100	5500	MCS0	11.00	10.91
		104	5520		11.00	10.85
		116	5580		11.00	10.95
		120	5600		11.00	10.78
		136	5680		11.00	10.82
		140	5700		11.00	10.85
		144	5720		11.00	10.87
		148	5740		11.00	10.87
	802.11n40-HT0	102	5510	MCS0	11.00	10.91
		110	5550		11.00	10.92
		118	5590		11.00	10.90
		134	5670		11.00	10.84
		142	5710		11.00	10.90
	802.11ac40-VHT0	102	5510	MCS0	11.00	10.89
		110	5550		11.00	10.77
		118	5590		11.00	10.88
		134	5670		11.00	10.86
		142	5710		11.00	10.77
	802.11ax40-HE0	102	5510	MCS0	11.00	10.92
		110	5550		11.00	10.91
		118	5590		11.00	10.80
		134	5670		11.00	10.89
		142	5710		11.00	10.87
	802.11be40-EHT0	102	5510	MCS0	11.00	10.94
		110	5550		11.00	10.86
		118	5590		11.00	10.90
		134	5670		11.00	10.86
		142	5710		11.00	10.86
	802.11ac80-VHT0	106	5530	MCS0	11.00	10.78
		122	5610		11.00	10.78
		138	5690		11.00	10.79
	802.11ax80-HE0	106	5530	MCS0	11.00	10.94
		122	5610		11.00	10.92
		138	5690		11.00	10.82
	802.11be80-EHT0	106	5530	MCS0	11.00	10.91
		122	5610		11.00	10.84
		138	5690		11.00	10.93
	802.11ac160-VHT0	114	5570	MCS0	11.00	10.98
	802.11ax160-HE0	114	5570	MCS0	11.00	10.82
	802.11be160-EHT0	114	5570	MCS0	11.00	10.81

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5.8GHz	802.11a	149	5745	6Mbps	11.50	11.39
		157	5785		11.50	11.29
		165	5825		11.50	11.40
	802.11n20-HT0	149	5745	MCS0	11.50	11.35
		157	5785		11.50	11.41
		165	5825		11.50	11.41
	802.11ac20-VHT0	149	5745	MCS0	11.50	11.41
		157	5785		11.50	11.40
		165	5825		11.50	11.36
	802.11ax20-HE0	149	5745	MCS0	11.50	11.32
		157	5785		11.50	11.27
		165	5825		11.50	11.30
	802.11be20-EHT0	149	5745	MCS0	11.50	11.38
		157	5785		11.50	11.30
		165	5825		11.50	11.28
	802.11n40-HT0	151	5755	MCS0	11.50	11.36
		159	5795		11.50	11.38
	802.11ac40-VHT0	151	5755	MCS0	11.50	11.36
		159	5795		11.50	11.33
	802.11ax40-HE0	151	5755	MCS0	11.50	11.44
		159	5795		11.50	11.40
	802.11be40-EHT0	151	5755	MCS0	11.50	11.42
		159	5795		11.50	11.43
	802.11ac80-VHT0	155	5775	MCS0	11.50	11.47
	802.11ax80-HE0	155	5775	MCS0	11.50	11.42
	802.11be80-EHT0	155	5775	MCS0	11.50	11.39

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5.9GHz	802.11a	169	5845	6Mbps	11.50	11.28
		173	5865		11.50	11.32
		177	5885		11.50	11.40
	802.11n20-HT0	169	5845	MCS0	11.50	11.39
		173	5865		11.50	11.33
		177	5885		11.50	11.44
	802.11ac20-VHT0	169	5845	MCS0	11.50	11.36
		173	5865		11.50	11.43
		177	5885		11.50	11.39
	802.11ax20-HE0	169	5845	MCS0	11.50	11.38
		173	5865		11.50	11.30
		177	5885		11.50	11.26
	802.11be20-EHT0	169	5845	MCS0	11.50	11.29
		173	5865		11.50	11.32
		177	5885		11.50	11.29
	802.11n40-HT0	167	5835	MCS0	11.50	11.30
		175	5875		11.50	11.28
	802.11ac40-VHT0	167	5835	MCS0	11.50	11.33
		175	5875		11.50	11.31
	802.11ax40-HE0	167	5835	MCS0	11.50	11.42
		175	5875		11.50	11.37
	802.11be40-EHT0	167	5835	MCS0	11.50	11.29
		175	5875		11.50	11.26
	802.11ac80-VHT0	171	5855	MCS0	11.50	11.44
	802.11ax80-HE0	171	5855	MCS0	11.50	11.27
	802.11be80-EHT0	171	5855	MCS0	11.50	11.32
	802.11ac160-VHT0	163	5815	MCS0	11.50	11.47
	802.11ax160-HE0	163	5815	MCS0	11.50	11.45
	802.11be160-EHT0	163	5815	MCS0	11.50	11.38

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# Tablet mode

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	13.00	12.98
		6	2437		13.00	12.94
		11	2462		13.00	12.96
		12	2467		13.00	12.96
		13	2472		13.00	12.99
	802.11g	1	2412	6Mbps	13.00	12.76
		6	2437		13.00	12.82
		11	2462		13.00	12.92
		12	2467		13.00	12.83
		13	2472		13.00	12.80
	802.11n20-HT0	1	2412	MCS0	13.00	12.95
		6	2437		13.00	12.87
		11	2462		13.00	12.82
		12	2467		13.00	12.78
		13	2472		13.00	12.75
	802.11ac20-VHT0	1	2412	MCS0	13.00	12.76
		6	2437		13.00	12.79
		11	2462		13.00	12.78
		12	2467		13.00	12.95
		13	2472		13.00	12.77
	802.11ax20-HE0	1	2412	MCS0	13.00	12.82
		6	2437		13.00	12.86
		11	2462		13.00	12.83
		12	2467		13.00	12.87
		13	2472		13.00	12.77
	802.11be20-EHT0	1	2412	MCS0	13.00	12.81
		6	2437		13.00	12.87
		11	2462		13.00	12.79
		12	2467		13.00	12.89
		13	2472		13.00	12.93
	802.11n40-HT0	3	2422	MCS0	13.00	12.88
		6	2437		13.00	12.83
		9	2452		13.00	12.91
	802.11ac40-VHT0	3	2422	MCS0	13.00	12.94
		6	2437		13.00	12.79
		9	2452		13.00	12.75
	802.11ax40-HE0	3	2422	MCS0	13.00	12.92
		6	2437		13.00	12.91
		9	2452		13.00	12.78
	802.11be40-EHT0	3	2422	MCS0	13.00	13.00
		6	2437		13.00	12.99
		9	2452		13.00	12.92

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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	11.00	10.81
		40	5200		11.00	10.89
		44	5220		11.00	10.89
		48	5240		11.00	10.94
	802.11n20-HT0	36	5180	MCS0	11.00	10.89
		40	5200		11.00	10.85
		44	5220		11.00	10.90
		48	5240		11.00	10.93
	802.11ac20-VHT0	36	5180	MCS0	11.00	10.81
		40	5200		11.00	10.77
		44	5220		11.00	10.92
		48	5240		11.00	10.78
	802.11ax20-HE0	36	5180	MCS0	11.00	10.91
		40	5200		11.00	10.87
		44	5220		11.00	10.77
		48	5240		11.00	10.91
	802.11be20-EHT0	36	5180	MCS0	11.00	10.86
		40	5200		11.00	10.88
		44	5220		11.00	10.87
		48	5240		11.00	10.88
	802.11n40-HT0	38	5190	MCS0	11.00	10.89
		46	5230		11.00	10.81
	802.11ac40-VHT0	38	5190	MCS0	11.00	10.82
		46	5230		11.00	10.94
	802.11ax40-HE0	38	5190	MCS0	11.00	10.88
		46	5230		11.00	10.83
	802.11be40-EHT0	38	5190	MCS0	11.00	10.79
		46	5230		11.00	10.91
	802.11ac80-VHT0	42	5210	MCS0	11.00	10.78
	802.11ax80-HE0	42	5210	MCS0	11.00	10.93
	802.11be80-EHT0	42	5210	MCS0	11.00	10.93
	802.11ac160-VHT0	50	5250	MCS0	11.00	10.99
	802.11ax160-HE0	50	5250	MCS0	11.00	10.91
	802.11be160-EHT0	50	5250	MCS0	11.00	10.95

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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	11.00	10.83
		56	5280		11.00	10.91
		60	5300		11.00	10.81
		64	5320		11.00	10.93
	802.11n20-HT0	52	5260	MCS0	11.00	10.88
		56	5280		11.00	10.78
		60	5300		11.00	10.78
		64	5320		11.00	10.82
	802.11ac20-VHT0	52	5260	MCS0	11.00	10.79
		56	5280		11.00	10.80
		60	5300		11.00	10.86
		64	5320		11.00	10.84
	802.11ax20-HE0	52	5260	MCS0	11.00	10.76
		56	5280		11.00	10.79
		60	5300		11.00	10.93
		64	5320		11.00	10.82
	802.11be20-EHT0	52	5260	MCS0	11.00	10.94
		56	5280		11.00	10.78
		60	5300		11.00	10.92
		64	5320		11.00	10.91
	802.11n40-HT0	54	5270	MCS0	11.00	10.84
		62	5310		11.00	10.77
	802.11ac40-VHT0	54	5270	MCS0	11.00	10.78
		62	5310		11.00	10.89
	802.11ax40-HE0	54	5270	MCS0	11.00	10.79
		62	5310		11.00	10.77
	802.11be40-EHT0	54	5270	MCS0	11.00	10.87
		62	5310		11.00	10.85
	802.11ac80-VHT0	58	5290	MCS0	11.00	10.98
	802.11ax80-HE0	58	5290	MCS0	11.00	10.92
	802.11be80-EHT0	58	5290	MCS0	11.00	10.85

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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	10.50	10.38
		104	5520		10.50	10.34
		116	5580		10.50	10.26
		120	5600		10.50	10.30
		136	5680		10.50	10.43
		140	5700		10.50	10.26
		144	5720		10.50	10.33
	802.11n20-HT0	100	5500	MCS0	10.50	10.41
		104	5520		10.50	10.37
		116	5580		10.50	10.31
		120	5600		10.50	10.44
		136	5680		10.50	10.26
		140	5700		10.50	10.40
		144	5720		10.50	10.25
	802.11ac20-VHT0	100	5500	MCS0	10.50	10.43
		104	5520		10.50	10.44
		116	5580		10.50	10.36
		120	5600		10.50	10.30
		136	5680		10.50	10.29
		140	5700		10.50	10.28
		144	5720		10.50	10.44
	802.11ax20-HE0	100	5500	MCS0	10.50	10.34
		104	5520		10.50	10.39
		116	5580		10.50	10.30
		120	5600		10.50	10.26
		136	5680		10.50	10.44
		140	5700		10.50	10.29
		144	5720		10.50	10.41
	802.11be20-EHT0	100	5500	MCS0	10.50	10.26
		104	5520		10.50	10.30
		116	5580		10.50	10.44
		120	5600		10.50	10.25
		136	5680		10.50	10.40
		140	5700		10.50	10.36
		144	5720		10.50	10.25
	802.11n40-HT0	102	5510	MCS0	10.50	10.32
		110	5550		10.50	10.41
		118	5590		10.50	10.29
		134	5670		10.50	10.34
		142	5710		10.50	10.42
		102	5510		10.50	10.39
		110	5550		10.50	10.33
	802.11ac40-VHT0	118	5590	MCS0	10.50	10.41
		134	5670		10.50	10.32
		142	5710		10.50	10.27
		102	5510		10.50	10.34
		110	5550		10.50	10.27
		118	5590		10.50	10.28
		134	5670		10.50	10.44
	802.11ax40-HE0	142	5710	MCS0	10.50	10.28
		102	5510		10.50	10.40
		110	5550		10.50	10.43
		118	5590		10.50	10.26
		134	5670		10.50	10.27
		142	5710		10.50	10.29
		106	5530		10.50	10.32
	802.11ac80-VHT0	122	5610	MCS0	10.50	10.26
		138	5690		10.50	10.29
		106	5530		10.50	10.37
		122	5610		10.50	10.28
		138	5690		10.50	10.44
		106	5530		10.50	10.42
		122	5610		10.50	10.36
	802.11be80-EHT0	138	5690	MCS0	10.50	10.44
		106	5530		10.50	10.49
		122	5610		10.50	10.47
		138	5690		10.50	10.42
		106	5530		10.50	10.47
		122	5610		10.50	10.42
		138	5690		10.50	10.42
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.49
		114	5570		10.50	10.47
		114	5570		10.50	10.42

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Main						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	11.00	10.77
		157	5785		11.00	10.91
		165	5825		11.00	10.77
	802.11n20-HT0	149	5745	MCS0	11.00	10.77
		157	5785		11.00	10.89
		165	5825		11.00	10.82
	802.11ac20-VHT0	149	5745	MCS0	11.00	10.91
		157	5785		11.00	10.94
		165	5825		11.00	10.83
	802.11ax20-HE0	149	5745	MCS0	11.00	10.79
		157	5785		11.00	10.75
		165	5825		11.00	10.93
	802.11be20-EHT0	149	5745	MCS0	11.00	10.93
		157	5785		11.00	10.84
		165	5825		11.00	10.90
	802.11n40-HT0	151	5755	MCS0	11.00	10.76
		159	5795		11.00	10.88
	802.11ac40-VHT0	151	5755	MCS0	11.00	10.77
		159	5795		11.00	10.95
	802.11ax40-HE0	151	5755	MCS0	11.00	10.82
		159	5795		11.00	10.84
	802.11be40-EHT0	151	5755	MCS0	11.00	10.88
		159	5795		11.00	10.89
	802.11ac80-VHT0	155	5775	MCS0	11.00	10.98
	802.11ax80-HE0	155	5775	MCS0	11.00	10.92
	802.11be80-EHT0	155	5775	MCS0	11.00	10.92

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Main						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.9GHz	802.11a	169	5845	6Mbps	11.00	10.78
		173	5865		11.00	10.85
		177	5885		11.00	10.90
	802.11n20-HT0	169	5845	MCS0	11.00	10.85
		173	5865		11.00	10.91
		177	5885		11.00	10.86
	802.11ac20-VHT0	169	5845	MCS0	11.00	10.84
		173	5865		11.00	10.91
		177	5885		11.00	10.89
	802.11ax20-HE0	169	5845	MCS0	11.00	10.84
		173	5865		11.00	10.79
		177	5885		11.00	10.81
	802.11be20-EHT0	169	5845	MCS0	11.00	10.92
		173	5865		11.00	10.89
		177	5885		11.00	10.97
	802.11n40-HT0	167	5835	MCS0	11.00	10.90
		175	5875		11.00	10.85
	802.11ac40-VHT0	167	5835	MCS0	11.00	10.92
		175	5875		11.00	10.82
	802.11ax40-HE0	167	5835	MCS0	11.00	10.94
		175	5875		11.00	10.79
	802.11be40-EHT0	167	5835	MCS0	11.00	10.85
		175	5875		11.00	10.86
	802.11ac80-VHT0	171	5855	MCS0	11.00	10.83
	802.11ax80-HE0	171	5855	MCS0	11.00	10.89
	802.11be80-EHT0	171	5855	MCS0	11.00	10.87
	802.11ac160-VHT0	163	5815	MCS0	11.00	10.95
	802.11ax160-HE0	163	5815	MCS0	11.00	10.88
	802.11be160-EHT0	163	5815	MCS0	11.00	10.87

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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	13.00	12.96
		6	2437		13.00	12.98
		11	2462		13.00	12.91
		12	2467		13.00	12.95
		13	2472		13.00	12.99
	802.11g	1	2412	6Mbps	13.00	12.79
		6	2437		13.00	12.89
		11	2462		13.00	12.94
		12	2467		13.00	12.89
		13	2472		13.00	12.95
	802.11n20-HT0	1	2412	MCS0	13.00	12.76
		6	2437		13.00	12.88
		11	2462		13.00	12.86
		12	2467		13.00	12.84
		13	2472		13.00	12.83
	802.11ac20-VHT0	1	2412	MCS0	13.00	12.93
		6	2437		13.00	12.79
		11	2462		13.00	12.94
		12	2467		13.00	12.75
		13	2472		13.00	12.86
	802.11ax20-HE0	1	2412	MCS0	13.00	12.84
		6	2437		13.00	12.84
		11	2462		13.00	12.90
		12	2467		13.00	12.92
		13	2472		13.00	12.79
	802.11be20-EHT0	1	2412	MCS0	13.00	12.89
		6	2437		13.00	12.80
		11	2462		13.00	12.76
		12	2467		13.00	12.93
		13	2472		13.00	12.75
	802.11n40-HT0	3	2422	MCS0	13.00	12.89
		6	2437		13.00	12.91
		9	2452		13.00	12.78
	802.11ac40-VHT0	3	2422	MCS0	13.00	12.78
		6	2437		13.00	12.78
		9	2452		13.00	12.87
	802.11ax40-HE0	3	2422	MCS0	13.00	12.80
		6	2437		13.00	12.77
		9	2452		13.00	12.83
	802.11be40-EHT0	3	2422	MCS0	13.00	12.82
		6	2437		13.00	12.85
		9	2452		13.00	12.98

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Aux						
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	11.00	10.87
		40	5200		11.00	10.88
		44	5220		11.00	10.94
		48	5240		11.00	10.86
	802.11n20-HT0	36	5180	MCS0	11.00	10.93
		40	5200		11.00	10.87
		44	5220		11.00	10.94
		48	5240		11.00	10.86
	802.11ac20-VHT0	36	5180	MCS0	11.00	10.84
		40	5200		11.00	10.76
		44	5220		11.00	10.78
		48	5240		11.00	10.85
	802.11ax20-HE0	36	5180	MCS0	11.00	10.81
		40	5200		11.00	10.85
		44	5220		11.00	10.80
		48	5240		11.00	10.88
	802.11be20-EHT0	36	5180	MCS0	11.00	10.91
		40	5200		11.00	10.79
		44	5220		11.00	10.76
		48	5240		11.00	10.87
	802.11n40-HT0	38	5190	MCS0	11.00	10.85
		46	5230		11.00	10.82
	802.11ac40-VHT0	38	5190	MCS0	11.00	10.83
		46	5230		11.00	10.93
	802.11ax40-HE0	38	5190	MCS0	11.00	10.87
		46	5230		11.00	10.94
	802.11be40-EHT0	38	5190	MCS0	11.00	10.95
		46	5230		11.00	10.94
	802.11ac80-VHT0	42	5210	MCS0	11.00	10.89
	802.11ax80-HE0	42	5210	MCS0	11.00	10.86
	802.11be80-EHT0	42	5210	MCS0	11.00	10.83
	802.11ac160-VHT0	50	5250	MCS0	11.00	10.95
	802.11ax160-HE0	50	5250	MCS0	11.00	10.92
	802.11be160-EHT0	50	5250	MCS0	11.00	10.81

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5.25-5.35 GHz	802.11a	52	5260	6Mbps	11.00	10.94
		56	5280		11.00	10.93
		60	5300		11.00	10.83
		64	5320		11.00	10.88
	802.11n20-HT0	52	5260	MCS0	11.00	10.81
		56	5280		11.00	10.84
		60	5300		11.00	10.86
		64	5320		11.00	10.76
	802.11ac20-VHT0	52	5260	MCS0	11.00	10.81
		56	5280		11.00	10.76
		60	5300		11.00	10.85
		64	5320		11.00	10.78
	802.11ax20-HE0	52	5260	MCS0	11.00	10.82
		56	5280		11.00	10.79
		60	5300		11.00	10.77
		64	5320		11.00	10.88
	802.11be20-EHT0	52	5260	MCS0	11.00	10.79
		56	5280		11.00	10.90
		60	5300		11.00	10.83
		64	5320		11.00	10.84
	802.11n40-HT0	54	5270	MCS0	11.00	10.77
		62	5310		11.00	10.79
	802.11ac40-VHT0	54	5270	MCS0	11.00	10.77
		62	5310		11.00	10.83
	802.11ax40-HE0	54	5270	MCS0	11.00	10.88
		62	5310		11.00	10.78
	802.11be40-EHT0	54	5270	MCS0	11.00	10.83
		62	5310		11.00	10.89
	802.11ac80-VHT0	58	5290	MCS0	11.00	10.98
	802.11ax80-HE0	58	5290	MCS0	11.00	10.93
	802.11be80-EHT0	58	5290	MCS0	11.00	10.99

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	10.50	10.28
		104	5520		10.50	10.42
		116	5580		10.50	10.43
		120	5600		10.50	10.39
		136	5680		10.50	10.28
		140	5700		10.50	10.40
		144	5720		10.50	10.30
	802.11n20-HT0	100	5500	MCS0	10.50	10.38
		104	5520		10.50	10.29
		116	5580		10.50	10.30
		120	5600		10.50	10.40
		136	5680		10.50	10.32
		140	5700		10.50	10.27
		144	5720		10.50	10.34
	802.11ac20-VHT0	100	5500	MCS0	10.50	10.37
		104	5520		10.50	10.29
		116	5580		10.50	10.31
		120	5600		10.50	10.28
		136	5680		10.50	10.35
		140	5700		10.50	10.44
		144	5720		10.50	10.28
	802.11ax20-HE0	100	5500	MCS0	10.50	10.38
		104	5520		10.50	10.32
		116	5580		10.50	10.42
		120	5600		10.50	10.31
		136	5680		10.50	10.36
		140	5700		10.50	10.25
		144	5720		10.50	10.34
	802.11be20-EHT0	100	5500	MCS0	10.50	10.30
		104	5520		10.50	10.31
		116	5580		10.50	10.38
		120	5600		10.50	10.26
		136	5680		10.50	10.30
		140	5700		10.50	10.28
		144	5720		10.50	10.42
	802.11n40-HT0	102	5510	MCS0	10.50	10.35
		110	5550		10.50	10.34
		118	5590		10.50	10.42
		134	5670		10.50	10.41
		142	5710		10.50	10.44
		102	5510		10.50	10.36
		110	5550		10.50	10.43
	802.11ac40-VHT0	118	5590	MCS0	10.50	10.34
		134	5670		10.50	10.33
		142	5710		10.50	10.31
		102	5510		10.50	10.27
		110	5550		10.50	10.41
		118	5590		10.50	10.31
		134	5670		10.50	10.41
	802.11ax40-HE0	142	5710	MCS0	10.50	10.27
		102	5510		10.50	10.28
		110	5550		10.50	10.36
		118	5590		10.50	10.44
		134	5670		10.50	10.26
		142	5710		10.50	10.42
		106	5530		10.50	10.36
	802.11ac80-VHT0	122	5610	MCS0	10.50	10.26
		138	5690		10.50	10.35
		106	5530		10.50	10.40
		122	5610		10.50	10.34
		138	5690		10.50	10.33
		106	5530		10.50	10.35
		122	5610		10.50	10.46
	802.11be80-EHT0	138	5690	MCS0	10.50	10.31
		106	5530		10.50	10.49
		122	5610		10.50	10.43
		138	5690		10.50	10.40
		106	5530		10.50	10.43
		122	5610		10.50	10.43
		138	5690		10.50	10.40
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.49
		114	5570		10.50	10.43
		114	5570		10.50	10.40

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Aux						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	11.00	10.93
		157	5785		11.00	10.83
		165	5825		11.00	10.76
	802.11n20-HT0	149	5745	MCS0	11.00	10.92
		157	5785		11.00	10.89
		165	5825		11.00	10.95
	802.11ac20-VHT0	149	5745	MCS0	11.00	10.79
		157	5785		11.00	10.77
		165	5825		11.00	10.82
	802.11ax20-HE0	149	5745	MCS0	11.00	10.87
		157	5785		11.00	10.80
		165	5825		11.00	10.78
	802.11be20-EHT0	149	5745	MCS0	11.00	10.93
		157	5785		11.00	10.84
		165	5825		11.00	10.86
	802.11n40-HT0	151	5755	MCS0	11.00	10.88
		159	5795		11.00	10.91
	802.11ac40-VHT0	151	5755	MCS0	11.00	10.83
		159	5795		11.00	10.89
	802.11ax40-HE0	151	5755	MCS0	11.00	10.85
		159	5795		11.00	10.81
	802.11be40-EHT0	151	5755	MCS0	11.00	10.89
		159	5795		11.00	10.88
	802.11ac80-VHT0	155	5775	MCS0	11.00	10.96
	802.11ax80-HE0	155	5775	MCS0	11.00	10.89
	802.11be80-EHT0	155	5775	MCS0	11.00	10.94

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Aux						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.9GHz	802.11a	169	5845	6Mbps	11.00	10.81
		173	5865		11.00	10.79
		177	5885		11.00	10.78
	802.11n20-HT0	169	5845	MCS0	11.00	10.78
		173	5865		11.00	10.82
		177	5885		11.00	10.83
	802.11ac20-VHT0	169	5845	MCS0	11.00	10.92
		173	5865		11.00	10.88
		177	5885		11.00	10.88
	802.11ax20-HE0	169	5845	MCS0	11.00	10.76
		173	5865		11.00	10.81
		177	5885		11.00	10.86
	802.11be20-EHT0	169	5845	MCS0	11.00	10.77
		173	5865		11.00	10.91
		177	5885		11.00	10.82
	802.11n40-HT0	167	5835	MCS0	11.00	10.90
		175	5875		11.00	10.88
	802.11ac40-VHT0	167	5835	MCS0	11.00	10.87
		175	5875		11.00	10.87
	802.11ax40-HE0	167	5835	MCS0	11.00	10.93
		175	5875		11.00	10.77
	802.11be40-EHT0	167	5835	MCS0	11.00	10.89
		175	5875		11.00	10.88
	802.11ac80-VHT0	171	5855	MCS0	11.00	10.79
	802.11ax80-HE0	171	5855	MCS0	11.00	10.90
	802.11be80-EHT0	171	5855	MCS0	11.00	10.96
	802.11ac160-VHT0	163	5815	MCS0	11.00	10.98
	802.11ax160-HE0	163	5815	MCS0	11.00	10.95
	802.11be160-EHT0	163	5815	MCS0	11.00	10.97

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## 6.2 WLAN 6GHz

### Notebook mode

Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11ax20-HE0	1	5955	MCS0	12.00	11.73
		45	6175		12.00	11.78
		93	6415		12.00	11.87
	802.11be20-EHT0	1	5955	MCS0	12.00	11.70
		45	6175		12.00	11.75
		93	6415		12.00	11.75
	802.11ax40-HE0	3	5965	MCS0	12.00	11.75
		43	6165		12.00	11.83
		91	6405		12.00	11.81
	802.11be40-EHT0	3	5965	MCS0	12.00	11.88
		43	6165		12.00	11.76
		91	6405		12.00	11.82
	802.11ax80-HE0	7	5985	MCS0	12.00	11.83
		39	6145		12.00	11.71
		87	6385		12.00	11.83
	802.11be80-EHT0	7	5985	MCS0	12.00	11.90
		39	6145		12.00	11.96
		87	6385		12.00	11.94
	802.11ax160-HE0	15	6025	MCS0	12.00	11.96
		47	6185		12.00	11.98
		79	6345		12.00	11.97
	802.11be160-EHT0	15	6025	MCS0	12.00	11.94
		47	6185		12.00	11.93
		79	6345		12.00	11.84
	802.11be320-EHT0	31	6105	MCS0	12.00	11.89
		63	6265		12.00	11.93

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11ax20-HE0	97	6435	MCS0	12.00	11.81
		105	6475		12.00	11.89
		113	6515		12.00	11.74
	802.11be20-EHT0	97	6435	MCS0	12.00	11.83
		105	6475		12.00	11.84
		113	6515		12.00	11.81
	802.11ax40-HE0	99	6445	MCS0	12.00	11.86
		107	6485		12.00	11.85
	802.11be40-EHT0	99	6445	MCS0	12.00	11.83
		107	6485		12.00	11.73
	802.11ax80-HE0	103	6465	MCS0	12.00	11.84
		119	6545		12.00	11.74
	802.11be80-EHT0	103	6465	MCS0	12.00	11.93
		119	6545		12.00	11.96
	802.11ax160-HE0	111	6505	MCS0	12.00	11.96
	802.11be160-EHT0	111	6505	MCS0	12.00	11.93
	802.11be320-EHT0	95	6425	MCS0	12.00	11.95

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11ax20-HE0	117	6535	MCS0	12.00	11.84
		149	6695		12.00	11.76
		181	6855		12.00	11.72
	802.11be20-EHT0	117	6535	MCS0	12.00	11.84
		149	6695		12.00	11.87
		181	6855		12.00	11.77
	802.11ax40-HE0	115	6525	MCS0	12.00	11.82
		147	6685		12.00	11.75
		179	6845		12.00	11.79
	802.11be40-EHT0	115	6525	MCS0	12.00	11.88
		147	6685		12.00	11.76
		179	6845		12.00	11.85
	802.11ax80-HE0	135	6625	MCS0	12.00	11.82
		151	6705		12.00	11.83
		167	6785		12.00	11.72
	802.11be80-EHT0	135	6625	MCS0	12.00	11.86
		151	6705		12.00	11.92
		167	6785		12.00	11.91
	802.11ax160-HE0	143	6665	MCS0	12.00	11.82
		175	6825		12.00	11.95
	802.11be160-EHT0	143	6665	MCS0	12.00	11.96
		175	6825		12.00	11.82
	802.11be320-EHT0	127	6585	MCS0	12.00	11.96
		159	6745		12.00	11.83

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Main						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-8 7.0GHz	802.11ax20-HE0	185	6875	MCS0	12.00	11.83
		209	6995		12.00	11.88
		233	7115		12.00	11.71
	802.11be20-EHT0	185	6875	MCS0	12.00	11.78
		209	6995		12.00	11.81
		233	7115		12.00	11.72
	802.11ax40-HE0	187	6885	MCS0	12.00	11.88
		227	7085		12.00	11.89
	802.11be40-EHT0	187	6885	MCS0	12.00	11.76
		227	7085		12.00	11.89
	802.11ax80-HE0	183	6865	MCS0	12.00	11.71
		199	6945		12.00	11.79
		215	7025		12.00	11.73
	802.11be80-EHT0	183	6865	MCS0	12.00	11.96
		199	6945		12.00	11.89
		215	7025		12.00	11.93
	802.11ax160-HE0	207	6985	MCS0	12.00	11.90
	802.11be160-EHT0	207	6985	MCS0	12.00	11.87
	802.11be320-EHT0	191	6905	MCS0	12.00	11.89

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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	802.11ax20-HE0	1	5955	MCS0	12.00	11.76
		45	6175		12.00	11.76
		93	6415		12.00	11.85
	802.11be20-EHT0	1	5955	MCS0	12.00	11.82
		45	6175		12.00	11.76
		93	6415		12.00	11.70
	802.11ax40-HE0	3	5965	MCS0	12.00	11.88
		43	6165		12.00	11.85
		91	6405		12.00	11.79
	802.11be40-EHT0	3	5965	MCS0	12.00	11.76
		43	6165		12.00	11.76
		91	6405		12.00	11.88
	802.11ax80-HE0	7	5985	MCS0	12.00	11.90
		39	6145		12.00	11.71
		87	6385		12.00	11.74
	802.11be80-EHT0	7	5985	MCS0	12.00	11.90
		39	6145		12.00	11.95
		87	6385		12.00	11.87
	802.11ax160-HE0	15	6025	MCS0	12.00	11.99
		47	6185		12.00	11.95
		79	6345		12.00	11.90
	802.11be160-EHT0	15	6025	MCS0	12.00	11.92
		47	6185		12.00	11.90
		79	6345		12.00	11.87
	802.11be320-EHT0	31	6105	MCS0	12.00	11.86
		63	6265		12.00	11.96

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11ax20-HE0	97	6435	MCS0	12.00	11.95
		105	6475		12.00	11.83
		113	6515		12.00	11.89
	802.11be20-EHT0	97	6435	MCS0	12.00	11.80
		105	6475		12.00	11.80
		113	6515		12.00	11.77
	802.11ax40-HE0	99	6445	MCS0	12.00	11.77
		107	6485		12.00	11.84
	802.11be40-EHT0	99	6445	MCS0	12.00	11.90
		107	6485		12.00	11.77
	802.11ax80-HE0	103	6465	MCS0	12.00	11.87
		119	6545		12.00	11.76
	802.11be80-EHT0	103	6465	MCS0	12.00	11.85
		119	6545		12.00	11.95
	802.11ax160-HE0	111	6505	MCS0	12.00	11.97
	802.11be160-EHT0	111	6505	MCS0	12.00	11.96
	802.11be320-EHT0	95	6425	MCS0	12.00	11.92

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11ax20-HE0	117	6535	MCS0	12.00	11.78
		149	6695		12.00	11.79
		181	6855		12.00	11.90
	802.11be20-EHT0	117	6535	MCS0	12.00	11.84
		149	6695		12.00	11.76
		181	6855		12.00	11.78
	802.11ax40-HE0	115	6525	MCS0	12.00	11.76
		147	6685		12.00	11.83
		179	6845		12.00	11.81
	802.11be40-EHT0	115	6525	MCS0	12.00	11.93
		147	6685		12.00	11.92
		179	6845		12.00	11.87
	802.11ax80-HE0	135	6625	MCS0	12.00	11.93
		151	6705		12.00	11.77
		167	6785		12.00	11.94
	802.11be80-EHT0	135	6625	MCS0	12.00	11.80
		151	6705		12.00	11.87
		167	6785		12.00	11.95
	802.11ax160-HE0	143	6665	MCS0	12.00	11.85
		175	6825		12.00	11.89
	802.11be160-EHT0	143	6665	MCS0	12.00	11.98
		175	6825		12.00	11.93
	802.11be320-EHT0	127	6585	MCS0	12.00	11.83
		159	6745		12.00	11.95

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Aux						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-8 7.0GHz	802.11ax20-HE0	185	6875	MCS0	12.00	11.83
		209	6995		12.00	11.69
		233	7115		12.00	11.78
	802.11be20-EHT0	185	6875	MCS0	12.00	11.69
		209	6995		12.00	11.72
		233	7115		12.00	11.80
	802.11ax40-HE0	187	6885	MCS0	12.00	11.66
		227	7085		12.00	11.81
	802.11be40-EHT0	187	6885	MCS0	12.00	11.67
		227	7085		12.00	11.69
	802.11ax80-HE0	183	6865	MCS0	12.00	11.70
		199	6945		12.00	11.84
		215	7025		12.00	11.75
	802.11be80-EHT0	183	6865	MCS0	12.00	11.93
		199	6945		12.00	11.82
		215	7025		12.00	11.94
	802.11ax160-HE0	207	6985	MCS0	12.00	11.87
	802.11be160-EHT0	207	6985	MCS0	12.00	11.94
	802.11be320-EHT0	191	6905	MCS0	12.00	11.88

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### Tablet mode

Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11ax20-HE0	1	5955	MCS0	9.00	8.77
		45	6175		9.00	8.80
		93	6415		9.00	8.82
	802.11be20-EHT0	1	5955	MCS0	9.00	8.80
		45	6175		9.00	8.94
		93	6415		9.00	8.94
	802.11ax40-HE0	3	5965	MCS0	9.00	8.88
		43	6165		9.00	8.81
		91	6405		9.00	8.88
	802.11be40-EHT0	3	5965	MCS0	9.00	8.80
		43	6165		9.00	8.88
		91	6405		9.00	8.82
	802.11ax80-HE0	7	5985	MCS0	9.00	8.85
		39	6145		9.00	8.87
		87	6385		9.00	8.91
	802.11be80-EHT0	7	5985	MCS0	9.00	8.98
		39	6145		9.00	8.93
		87	6385		9.00	8.96
	802.11ax160-HE0	15	6025	MCS0	9.00	8.93
		47	6185		9.00	8.95
		79	6345		9.00	8.96
	802.11be160-EHT0	15	6025	MCS0	9.00	8.94
		47	6185		9.00	9.00
		79	6345		9.00	8.86
	802.11be320-EHT0	31	6105	MCS0	9.00	8.88
		63	6265		9.00	8.86

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11ax20-HE0	97	6435	MCS0	9.00	8.78
		105	6475		9.00	8.79
		113	6515		9.00	8.89
	802.11be20-EHT0	97	6435	MCS0	9.00	8.78
		105	6475		9.00	8.78
		113	6515		9.00	8.93
	802.11ax40-HE0	99	6445	MCS0	9.00	8.76
		107	6485		9.00	8.90
	802.11be40-EHT0	99	6445	MCS0	9.00	8.89
		107	6485		9.00	8.90
	802.11ax80-HE0	103	6465	MCS0	9.00	8.79
		119	6545		9.00	8.95
	802.11be80-EHT0	103	6465	MCS0	9.00	8.90
		119	6545		9.00	8.81
	802.11ax160-HE0	111	6505	MCS0	9.00	8.91
	802.11be160-EHT0	111	6505	MCS0	9.00	8.82
	802.11be320-EHT0	95	6425	MCS0	9.00	8.97

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11ax20-HE0	117	6535	MCS0	7.50	7.41
		149	6695		7.50	7.30
		181	6855		7.50	7.28
	802.11be20-EHT0	117	6535	MCS0	7.50	7.26
		149	6695		7.50	7.39
		181	6855		7.50	7.37
	802.11ax40-HE0	115	6525	MCS0	7.50	7.29
		147	6685		7.50	7.38
		179	6845		7.50	7.35
	802.11be40-EHT0	115	6525	MCS0	7.50	7.32
		147	6685		7.50	7.25
		179	6845		7.50	7.40
	802.11ax80-HE0	135	6625	MCS0	7.50	7.42
		151	6705		7.50	7.29
		167	6785		7.50	7.30
	802.11be80-EHT0	135	6625	MCS0	7.50	7.44
		151	6705		7.50	7.38
		167	6785		7.50	7.41
	802.11ax160-HE0	143	6665	MCS0	7.50	7.45
		175	6825		7.50	7.43
	802.11be160-EHT0	143	6665	MCS0	7.50	7.45
		175	6825		7.50	7.32
	802.11be320-EHT0	127	6585	MCS0	7.50	7.40
		159	6745		7.50	7.31

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Main						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-8 7.0GHz	802.11ax20-HE0	185	6875	MCS0	7.50	7.42
		209	6995		7.50	7.25
		233	7115		7.50	7.44
	802.11be20-EHT0	185	6875	MCS0	7.50	7.29
		209	6995		7.50	7.31
		233	7115		7.50	7.37
	802.11ax40-HE0	187	6885	MCS0	7.50	7.33
		227	7085		7.50	7.34
	802.11be40-EHT0	187	6885	MCS0	7.50	7.36
		227	7085		7.50	7.39
	802.11ax80-HE0	183	6865	MCS0	7.50	7.36
		199	6945		7.50	7.34
		215	7025		7.50	7.43
	802.11be80-EHT0	183	6865	MCS0	7.50	7.30
		199	6945		7.50	7.36
		215	7025		7.50	7.47
	802.11ax160-HE0	207	6985	MCS0	7.50	7.44
	802.11be160-EHT0	207	6985	MCS0	7.50	7.43
	802.11be320-EHT0	191	6905	MCS0	7.50	7.43

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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	802.11ax20-HE0	1	5955	MCS0	9.00	8.78
		45	6175		9.00	8.86
		93	6415		9.00	8.92
	802.11be20-EHT0	1	5955	MCS0	9.00	8.84
		45	6175		9.00	8.79
		93	6415		9.00	8.91
	802.11ax40-HE0	3	5965	MCS0	9.00	8.94
		43	6165		9.00	8.88
		91	6405		9.00	8.82
	802.11be40-EHT0	3	5965	MCS0	9.00	8.82
		43	6165		9.00	8.76
		91	6405		9.00	8.84
	802.11ax80-HE0	7	5985	MCS0	9.00	8.87
		39	6145		9.00	8.88
		87	6385		9.00	8.83
	802.11be80-EHT0	7	5985	MCS0	9.00	8.81
		39	6145		9.00	8.98
		87	6385		9.00	8.89
	802.11ax160-HE0	15	6025	MCS0	9.00	8.93
		47	6185		9.00	8.95
		79	6345		9.00	8.95
	802.11be160-EHT0	15	6025	MCS0	9.00	8.96
		47	6185		9.00	8.87
		79	6345		9.00	8.85
	802.11be320-EHT0	31	6105	MCS0	9.00	9.00
		63	6265		9.00	8.93

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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	802.11ax20-HE0	97	6435	MCS0	9.00	8.75
		105	6475		9.00	8.78
		113	6515		9.00	8.83
	802.11be20-EHT0	97	6435	MCS0	9.00	8.87
		105	6475		9.00	8.81
		113	6515		9.00	8.77
	802.11ax40-HE0	99	6445	MCS0	9.00	8.94
		107	6485		9.00	8.76
	802.11be40-EHT0	99	6445	MCS0	9.00	8.76
		107	6485		9.00	8.85
	802.11ax80-HE0	103	6465	MCS0	9.00	8.86
		119	6545		9.00	8.77
	802.11be80-EHT0	103	6465	MCS0	9.00	8.90
		119	6545		9.00	8.91
	802.11ax160-HE0	111	6505	MCS0	9.00	8.88
	802.11be160-EHT0	111	6505	MCS0	9.00	8.94
	802.11be320-EHT0	95	6425	MCS0	9.00	8.90

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11ax20-HE0	117	6535	MCS0	9.00	8.77
		149	6695		9.00	8.76
		181	6855		9.00	8.93
	802.11be20-EHT0	117	6535	MCS0	9.00	8.91
		149	6695		9.00	8.82
		181	6855		9.00	8.86
	802.11ax40-HE0	115	6525	MCS0	9.00	8.78
		147	6685		9.00	8.79
		179	6845		9.00	8.86
	802.11be40-EHT0	115	6525	MCS0	9.00	8.78
		147	6685		9.00	8.77
		179	6845		9.00	8.87
	802.11ax80-HE0	135	6625	MCS0	9.00	8.95
		151	6705		9.00	8.86
		167	6785		9.00	8.76
	802.11be80-EHT0	135	6625	MCS0	9.00	8.91
		151	6705		9.00	8.85
		167	6785		9.00	8.92
	802.11ax160-HE0	143	6665	MCS0	9.00	8.84
		175	6825		9.00	8.81
	802.11be160-EHT0	143	6665	MCS0	9.00	8.91
		175	6825		9.00	8.83
	802.11be320-EHT0	127	6585	MCS0	9.00	8.81
		159	6745		9.00	8.93

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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	802.11ax20-HE0	185	6875	MCS0	9.00	8.87
		209	6995		9.00	8.76
		233	7115		9.00	8.92
	802.11be20-EHT0	185	6875	MCS0	9.00	8.79
		209	6995		9.00	8.92
		233	7115		9.00	8.77
	802.11ax40-HE0	187	6885	MCS0	9.00	8.94
		227	7085		9.00	8.91
	802.11be40-EHT0	187	6885	MCS0	9.00	8.81
		227	7085		9.00	8.88
	802.11ax80-HE0	183	6865	MCS0	9.00	8.83
		199	6945		9.00	8.89
		215	7025		9.00	8.93
	802.11be80-EHT0	183	6865	MCS0	9.00	8.97
		199	6945		9.00	8.99
		215	7025		9.00	8.94
	802.11ax160-HE0	207	6985	MCS0	9.00	8.83
	802.11be160-EHT0	207	6985	MCS0	9.00	8.95
	802.11be320-EHT0	191	6905	MCS0	9.00	8.96

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### 6.3 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	10.00	9.82	10.00	9.63	10.00	9.66
	CH 39	2441		9.86		9.72		9.63
	CH 78	2480		9.93		9.56		9.61

### 6.4 BLE

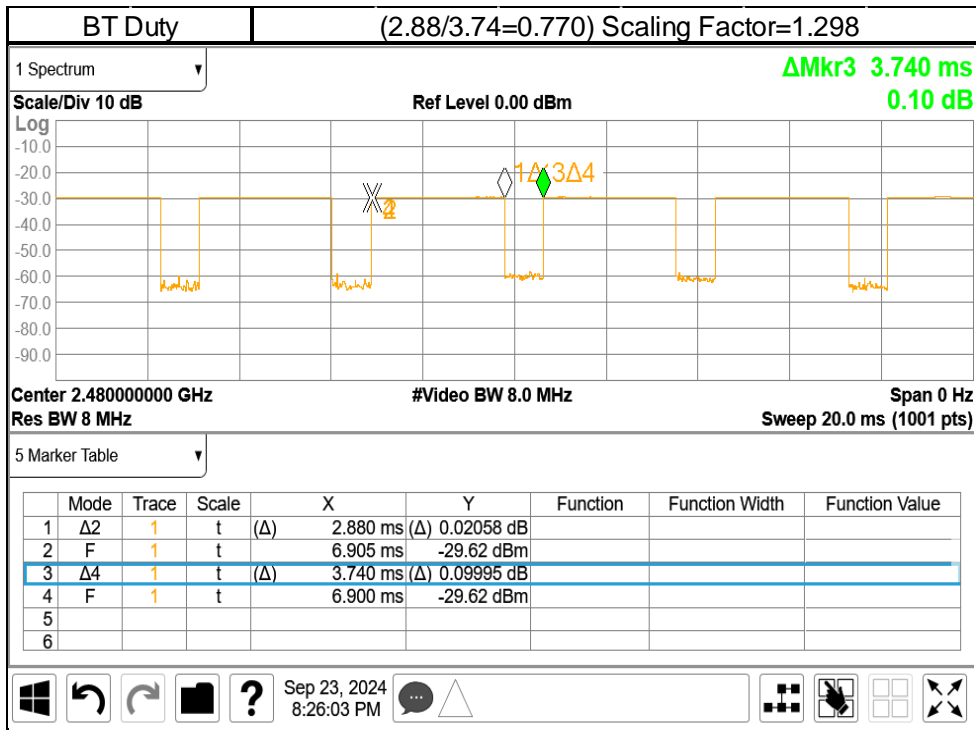
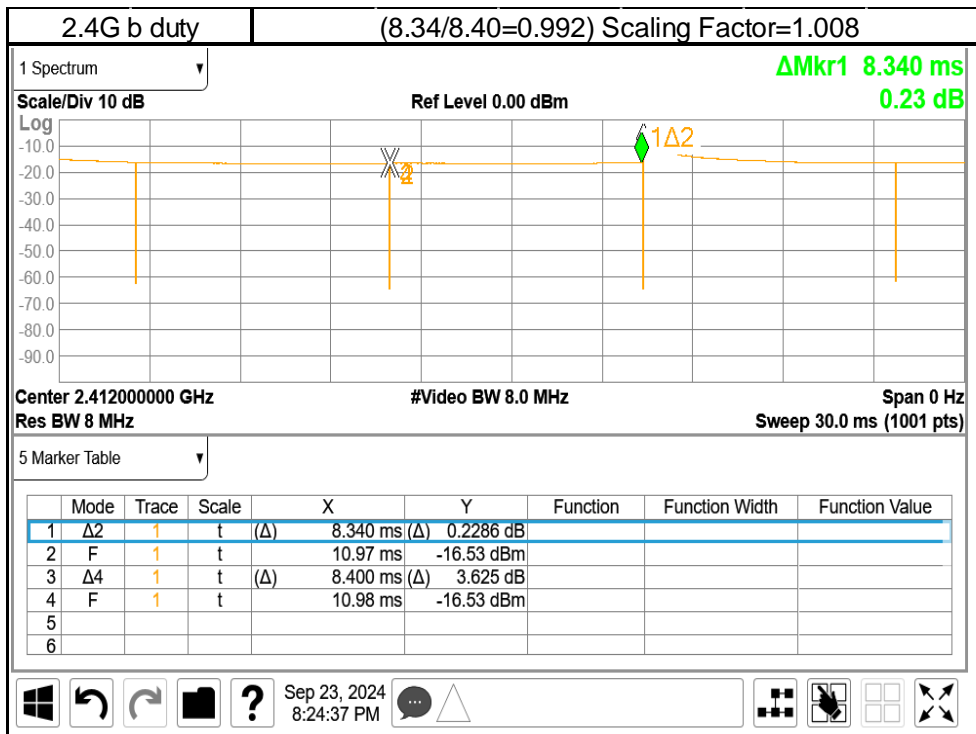
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_1M	CH 00	2402	10	9.99
	CH 19	2440		9.73
	CH 39	2480		9.86
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_2M	CH 00	2402	10	9.76
	CH 19	2440		9.88
	CH 39	2480		9.56

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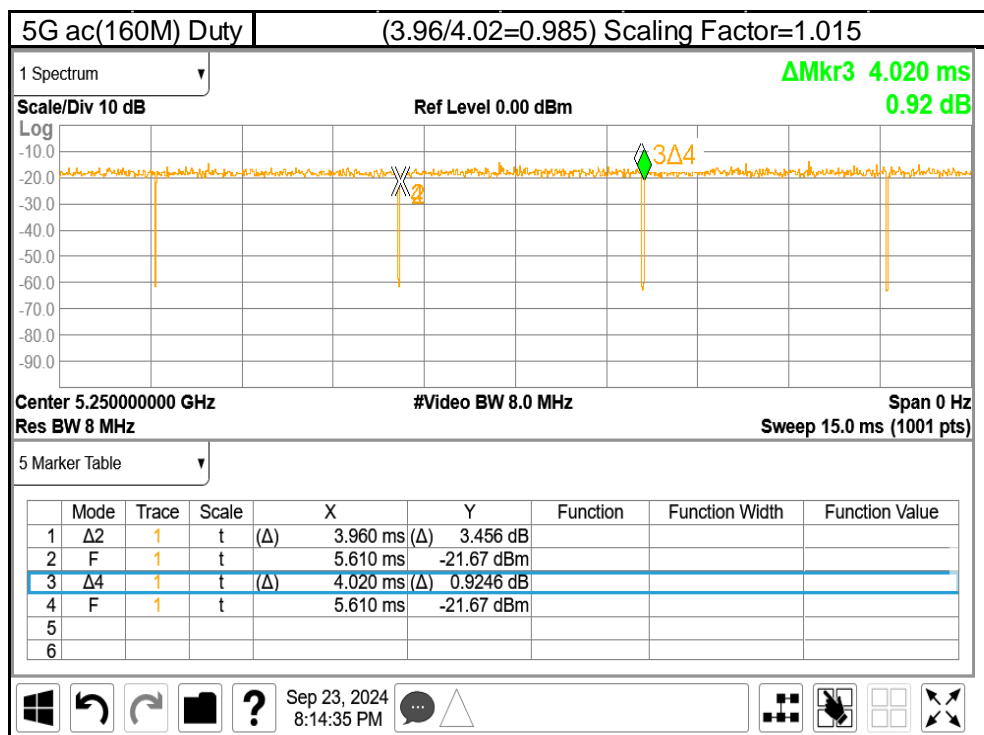
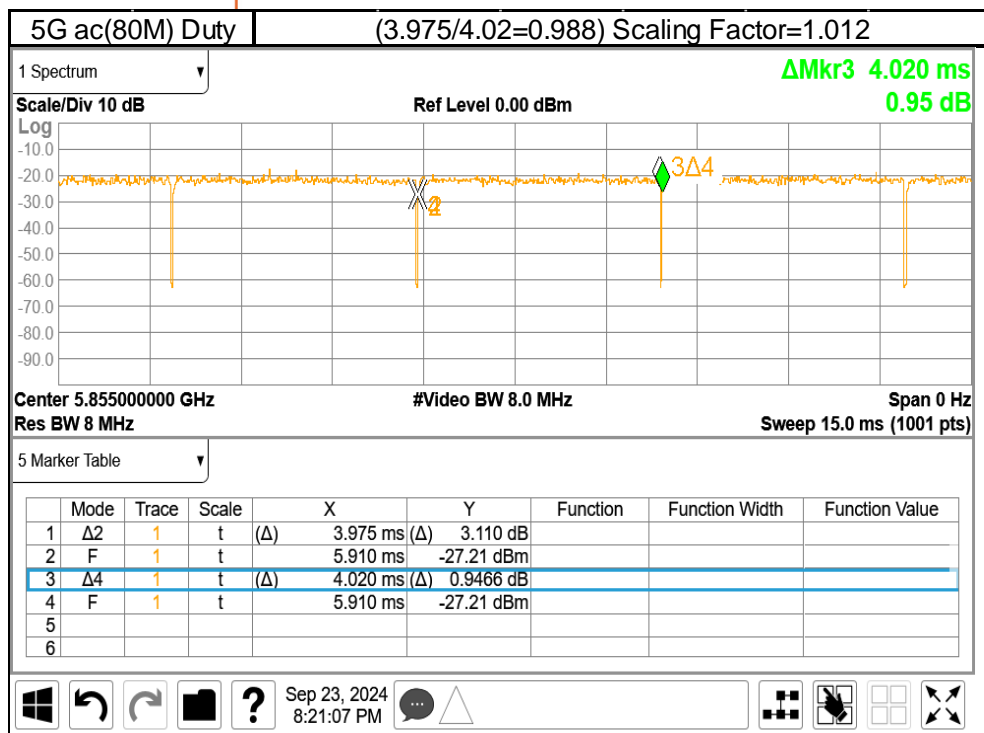
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## 7 DUTY CYCLE



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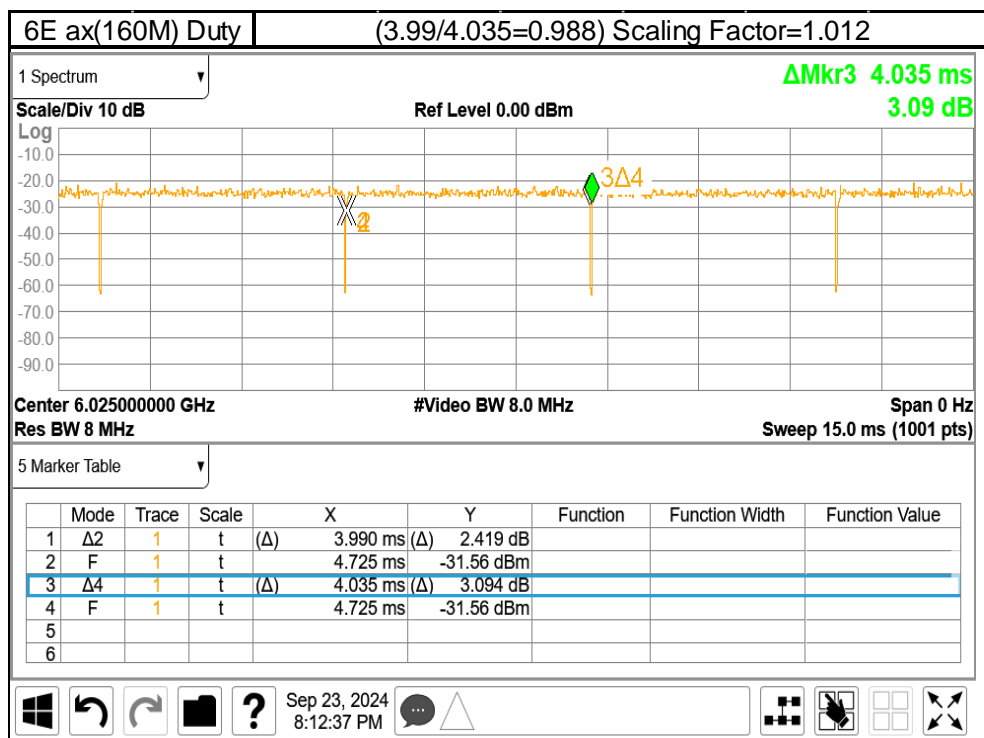
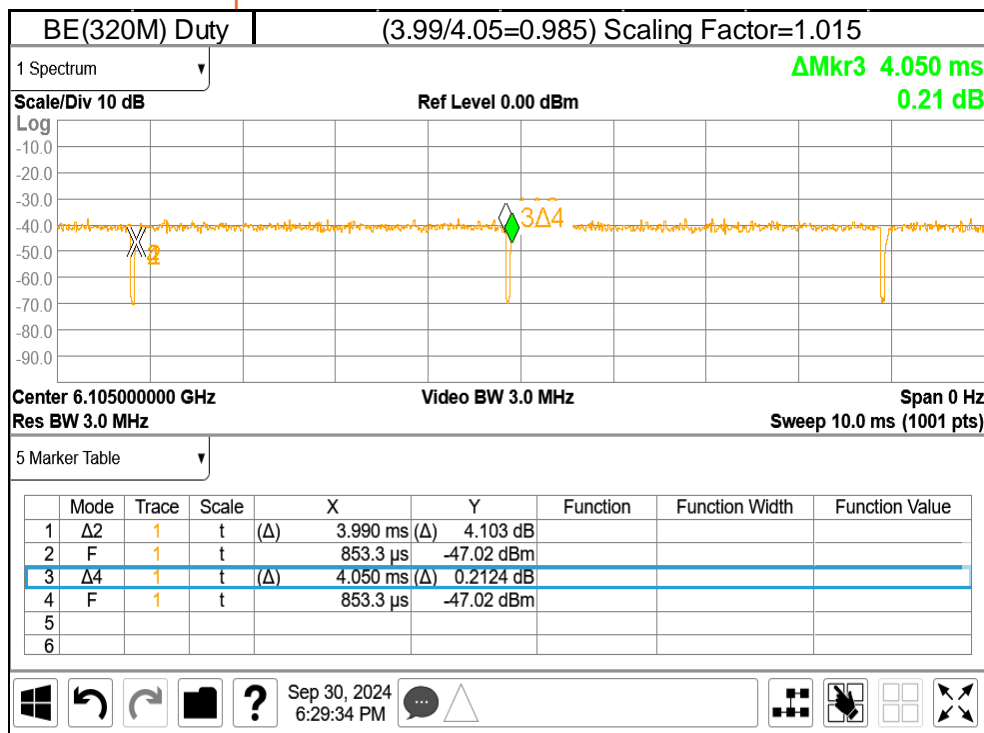
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## 8 SUMMARY OF RESULTS

### 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.

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## 8.2 Summary of SAR Results

### WLAN Body

#### 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	Main	Bottom Surface	0	1	2412	13.50	13.46	1.01	100.93%	0.464	0.472	-
WLAN 802.11b	Main	Bottom Surface	0	6	2437	13.50	13.40	1.01	102.33%	0.468	0.483	-
WLAN 802.11b	Main	Bottom Surface	0	11	2462	13.50	13.48	1.01	100.46%	0.467	0.473	-
WLAN 802.11b	Main	Bottom Surface	0	12	2467	13.50	13.47	1.01	100.69%	0.469	0.476	-
WLAN 802.11b	Main	Bottom Surface	0	13	2472	13.50	13.49	1.01	100.23%	0.509	0.514	001
WLAN 802.11b	Main	Bottom Surface*	0	13	2472	13.50	13.49	1.01	100.23%	0.468	0.473	-
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) 5.2G	Main	Bottom Surface	0	50	5250	11.50	11.48	1.02	100.46%	0.621	0.633	002
WLAN 802.11ac(160M) 5.2G	Main	Bottom Surface*	0	50	5250.00	11.50	11.48	1.02	100.46%	0.553	0.564	-
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	Main	Bottom Surface	0	58	5290	11.50	11.43	1.01	101.62%	0.683	0.702	003
WLAN 802.11ac(80M) 5.3G	Main	Bottom Surface*	0	58	5290.00	11.50	11.43	1.01	101.62%	0.638	0.656	-
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	Main	Bottom Surface	0	114	5570	11.00	10.98	1.02	100.46%	0.531	0.541	004
WLAN 802.11ac(160M) 5.6G	Main	Bottom Surface*	0	114	5570.00	11.00	10.98	1.02	100.46%	0.488	0.498	-
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	Main	Bottom Surface	0	155	5775	11.50	11.49	1.01	100.23%	0.637	0.646	005
WLAN 802.11ac(80M) 5.8G	Main	Bottom Surface*	0	155	5775.00	11.50	11.49	1.01	100.23%	0.571	0.579	-
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	Main	Bottom Surface	0	163	5815	11.50	11.48	1.02	100.46%	0.632	0.644	006
WLAN 802.11ac(160M) 5.9G	Main	Bottom Surface*	0	163	5815.00	11.50	11.48	1.02	100.46%	0.562	0.573	-
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	Aux	Bottom Surface	0	1	2412	13.50	13.44	1.01	101.39%	0.395	0.404	-
WLAN 802.11b	Aux	Bottom Surface	0	6	2437	13.50	13.48	1.01	100.46%	0.426	0.431	-
WLAN 802.11b	Aux	Bottom Surface	0	11	2462	13.50	13.47	1.01	100.69%	0.416	0.422	-
WLAN 802.11b	Aux	Bottom Surface	0	12	2467	13.50	13.46	1.01	100.93%	0.408	0.415	-
WLAN 802.11b	Aux	Bottom Surface	0	13	2472	13.50	13.49	1.01	100.23%	0.432	0.436	007
WLAN 802.11b	Aux	Bottom Surface*	0	13	2472	13.50	13.49	1.01	100.23%	0.389	0.393	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
Bluetooth(GFSK)	Aux	Bottom Surface	0	00	2402	10.00	9.82	1.30	104.23%	0.245	0.331	-
Bluetooth(GFSK)	Aux	Bottom Surface	0	39	2441	10.00	9.86	1.30	103.28%	0.269	0.361	-
Bluetooth(GFSK)	Aux	Bottom Surface	0	78	2480	10.00	9.93	1.30	101.62%	0.285	0.376	008
Bluetooth(GFSK)	Aux	Bottom Surface*	0	78	2480	10.00	9.93	1.30	101.62%	0.223	0.294	-
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) 5.2G	Aux	Bottom Surface	0	50	5250	11.50	11.49	1.02	100.23%	0.555	0.565	009
WLAN 802.11ac(160M) 5.2G	Aux	Bottom Surface*	0	50	5250	11.50	11.49	1.02	100.23%	0.501	0.510	-
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	Aux	Bottom Surface	0	58	5290	11.50	11.49	1.01	100.23%	0.529	0.537	010
WLAN 802.11ac(80M) 5.3G	Aux	Bottom Surface*	0	58	5290	11.50	11.49	1.01	100.23%	0.468	0.475	-
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	Aux	Bottom Surface	0	114	5570	11.00	10.98	1.02	100.46%	0.617	0.629	011
WLAN 802.11ac(160M) 5.6G	Aux	Bottom Surface*	0	114	5570	11.00	10.98	1.02	100.46%	0.550	0.561	-
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	Aux	Bottom Surface	0	155	5775	11.50	11.47	1.01	100.69%	0.639	0.651	012
WLAN 802.11ac(80M) 5.8G	Aux	Bottom Surface*	0	155	5775	11.50	11.47	1.01	100.69%	0.575	0.586	-
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	Aux	Bottom Surface	0	163	5815	11.50	11.47	1.02	100.69%	0.791	0.808	013
WLAN 802.11ac(160M) 5.9G	Aux	Bottom Surface*	0	163	5815	11.50	11.47	1.02	100.69%	0.706	0.722	-

#### \* - Spot Check (INPAQ)

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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 802.11b	Main	Back Surface	0	1	2412	13.00	12.98	1.01	100.46%	0.769	0.779	-
WLAN 802.11b	Main	Back Surface	0	6	2437	13.00	12.94	1.01	101.39%	0.778	0.795	-
WLAN 802.11b	Main	Back Surface	0	11	2462	13.00	12.96	1.01	100.93%	0.822	0.836	-
WLAN 802.11b	Main	Back Surface	0	12	2467	13.00	12.96	1.01	100.93%	0.819	0.833	-
WLAN 802.11b	Main	Back Surface	0	13	2472	13.00	12.99	1.01	100.23%	0.915	0.924	014
WLAN 802.11b	Main	Top Edge	0	13	2472	13.00	12.99	1.01	100.23%	0.057	0.058	-
WLAN 802.11b	Main	Bottom Edge	0	13	2472	13.00	12.99	1.01	100.23%	0.497	0.502	-
WLAN 802.11b	Main	Right Edge	0	13	2472	13.00	12.99	1.01	100.23%	0.043	0.043	-
WLAN 802.11b	Main	Left Edge	0	13	2472	13.00	12.99	1.01	100.23%	0.062	0.063	-
WLAN 802.11b	Main	Back Surface*	0	13	2472	13.00	12.99	1.01	100.23%	0.680	0.687	-
WLAN 802.11b	Main	Back Surface**	0	13	2472	13.00	12.99	1.01	100.23%	0.901	0.910	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(160M) 5.2G	Main	Back Surface	0	50	5250	11.00	10.99	1.02	100.23%	0.734	0.747	015
WLAN 802.11ac(160M) 5.2G	Main	Top Edge	0	50	5250	11.00	10.99	1.02	100.23%	0.055	0.056	-
WLAN 802.11ac(160M) 5.2G	Main	Bottom Edge	0	50	5250	11.00	10.99	1.02	100.23%	0.725	0.738	-
WLAN 802.11ac(160M) 5.2G	Main	Right Edge	0	50	5250	11.00	10.99	1.02	100.23%	0.053	0.054	-
WLAN 802.11ac(160M) 5.2G	Main	Left Edge	0	50	5250	11.00	10.99	1.02	100.23%	0.078	0.079	-
WLAN 802.11ac(160M) 5.2G	Main	Back Surface*	0	50	5250	11.00	10.99	1.02	100.23%	0.631	0.642	-
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	Main	Back Surface	0	58	5290	11.00	10.98	1.01	100.46%	0.835	0.849	016
WLAN 802.11ac(80M) 5.3G	Main	Top Edge	0	58	5290	11.00	10.98	1.01	100.46%	0.047	0.048	-
WLAN 802.11ac(80M) 5.3G	Main	Bottom Edge	0	58	5290	11.00	10.98	1.01	100.46%	0.639	0.650	-
WLAN 802.11ac(80M) 5.3G	Main	Right Edge	0	58	5290	11.00	10.98	1.01	100.46%	0.044	0.045	-
WLAN 802.11ac(80M) 5.3G	Main	Left Edge	0	58	5290	11.00	10.98	1.01	100.46%	0.067	0.068	-
WLAN 802.11ac(80M) 5.3G	Main	Back Surface*	0	58	5290	11.00	10.98	1.01	100.46%	0.685	0.696	-
WLAN 802.11ac(80M) 5.3G	Main	Back Surface**	0	58	5290	11.00	10.98	1.01	100.46%	0.828	0.842	-
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	Main	Back Surface	0	114	5570	10.50	10.49	1.02	100.23%	1.020	1.038	017
WLAN 802.11ac(160M) 5.6G	Main	Top Edge	0	114	5570	10.50	10.49	1.02	100.23%	0.050	0.051	-
WLAN 802.11ac(160M) 5.6G	Main	Bottom Edge	0	114	5570	10.50	10.49	1.02	100.23%	0.629	0.640	-
WLAN 802.11ac(160M) 5.6G	Main	Right Edge	0	114	5570	10.50	10.49	1.02	100.23%	0.049	0.050	-
WLAN 802.11ac(160M) 5.6G	Main	Left Edge	0	114	5570	10.50	10.49	1.02	100.23%	0.077	0.078	-
WLAN 802.11ac(160M) 5.6G	Main	Back Surface*	0	114	5570	10.50	10.49	1.02	100.23%	0.722	0.735	-
WLAN 802.11ac(160M) 5.6G	Main	Back Surface**	0	114	5570	10.50	10.49	1.02	100.23%	1.010	1.028	-
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	Main	Back Surface	0	155	5775	11.00	10.98	1.01	100.46%	0.952	0.968	018
WLAN 802.11ac(80M) 5.8G	Main	Top Edge	0	155	5775	11.00	10.98	1.01	100.46%	0.053	0.054	-
WLAN 802.11ac(80M) 5.8G	Main	Bottom Edge	0	155	5775	11.00	10.98	1.01	100.46%	0.763	0.776	-
WLAN 802.11ac(80M) 5.8G	Main	Right Edge	0	155	5775	11.00	10.98	1.01	100.46%	0.047	0.048	-
WLAN 802.11ac(80M) 5.8G	Main	Left Edge	0	155	5775	11.00	10.98	1.01	100.46%	0.072	0.073	-
WLAN 802.11ac(80M) 5.8G	Main	Back Surface*	0	155	5775	11.00	10.98	1.01	100.46%	0.787	0.800	-
WLAN 802.11ac(80M) 5.8G	Main	Back Surface**	0	155	5775	11.00	10.98	1.01	100.46%	0.945	0.961	-
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	Main	Back Surface	0	163	5815	11.00	10.95	1.02	101.16%	1.040	1.068	019
WLAN 802.11ac(160M) 5.9G	Main	Top Edge	0	163	5815	11.00	10.95	1.02	101.16%	0.049	0.050	-
WLAN 802.11ac(160M) 5.9G	Main	Bottom Edge	0	163	5815	11.00	10.95	1.02	101.16%	0.820	0.842	-
WLAN 802.11ac(160M) 5.9G	Main	Right Edge	0	163	5815	11.00	10.95	1.02	101.16%	0.046	0.047	-
WLAN 802.11ac(160M) 5.9G	Main	Left Edge	0	163	5815	11.00	10.95	1.02	101.16%	0.078	0.080	-
WLAN 802.11ac(160M) 5.9G	Main	Back Surface*	0	163	5815	11.00	10.95	1.02	101.16%	0.840	0.862	-
WLAN 802.11ac(160M) 5.9G	Main	Back Surface**	0	163	5815	11.00	10.95	1.02	101.16%	1.020	1.047	-

\* - Spot Check (INPAQ)

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

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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 802.11b	Aux	Back Surface	0	1	2412	13.00	12.96	1.01	100.93%	0.561	0.571	-
WLAN 802.11b	Aux	Back Surface	0	6	2437	13.00	12.98	1.01	100.46%	0.513	0.519	-
WLAN 802.11b	Aux	Back Surface	0	10	2457	13.00	12.97	1.01	100.69%	0.530	0.538	-
WLAN 802.11b	Aux	Back Surface	0	12	2467	13.00	12.95	1.01	101.16%	0.543	0.554	-
WLAN 802.11b	Aux	Back Surface	0	13	2472	13.00	12.99	1.01	100.23%	0.626	0.632	020
WLAN 802.11b	Aux	Top Edge	0	13	2472	13.00	12.99	1.01	100.23%	0.051	0.052	-
WLAN 802.11b	Aux	Bottom Edge	0	13	2472	13.00	12.99	1.01	100.23%	0.344	0.348	-
WLAN 802.11b	Aux	Right Edge	0	13	2472	13.00	12.99	1.01	100.23%	0.041	0.041	-
WLAN 802.11b	Aux	Left Edge	0	13	2472	13.00	12.99	1.01	100.23%	0.037	0.037	-
WLAN 802.11b	Aux	Back Surface*	0	13	2472	13.00	12.99	1.01	100.23%	0.578	0.584	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
Bluetooth(GFSK)	Aux	Back Surface	0	00	2402	10.00	9.82	1.30	104.23%	0.434	0.587	-
Bluetooth(GFSK)	Aux	Back Surface	0	39	2441	10.00	9.86	1.30	103.28%	0.437	0.586	-
Bluetooth(GFSK)	Aux	Back Surface	0	78	2480	10.00	9.93	1.30	101.62%	0.487	0.642	021
Bluetooth(GFSK)	Aux	Top Edge	0	00	2402	10.00	9.82	1.30	104.23%	0.048	0.065	-
Bluetooth(GFSK)	Aux	Bottom Edge	0	00	2402	10.00	9.82	1.30	104.23%	0.398	0.538	-
Bluetooth(GFSK)	Aux	Right Edge	0	00	2402	10.00	9.82	1.30	104.23%	0.042	0.057	-
Bluetooth(GFSK)	Aux	Left Edge	0	00	2402	10.00	9.82	1.30	104.23%	0.034	0.046	-
Bluetooth(GFSK)	Aux	Back Surface*	0	00	2402	10.00	9.82	1.30	104.23%	0.379	0.513	-
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) 5.2G	Aux	Back Surface	0	50	5250	11.00	10.95	1.02	101.16%	0.469	0.482	-
WLAN 802.11ac(160M) 5.2G	Aux	Top Edge	0	50	5250	11.00	10.95	1.02	101.16%	0.049	0.050	-
WLAN 802.11ac(160M) 5.2G	Aux	Bottom Edge	0	50	5250	11.00	10.95	1.02	101.16%	0.665	0.683	022
WLAN 802.11ac(160M) 5.2G	Aux	Right Edge	0	50	5250	11.00	10.95	1.02	101.16%	0.081	0.083	-
WLAN 802.11ac(160M) 5.2G	Aux	Left Edge	0	50	5250	11.00	10.95	1.02	101.16%	0.056	0.057	-
WLAN 802.11ac(160M) 5.2G	Aux	Bottom Edge*	0	50	5250	11.00	10.95	1.02	101.16%	0.628	0.645	-
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	Aux	Back Surface	0	58	5290	11.00	10.98	1.01	100.46%	0.534	0.543	-
WLAN 802.11ac(80M) 5.3G	Aux	Top Edge	0	58	5290	11.00	10.98	1.01	100.46%	0.045	0.046	-
WLAN 802.11ac(80M) 5.3G	Aux	Bottom Edge	0	58	5290	11.00	10.98	1.01	100.46%	0.587	0.597	023
WLAN 802.11ac(80M) 5.3G	Aux	Right Edge	0	58	5290	11.00	10.98	1.01	100.46%	0.083	0.084	-
WLAN 802.11ac(80M) 5.3G	Aux	Left Edge	0	58	5290	11.00	10.98	1.01	100.46%	0.063	0.064	-
WLAN 802.11ac(80M) 5.3G	Aux	Bottom Edge*	0	58	5290	11.00	10.98	1.01	100.46%	0.562	0.571	-
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	Aux	Back Surface	0	114	5570	10.50	10.49	1.02	100.23%	0.602	0.612	-
WLAN 802.11ac(160M) 5.6G	Aux	Top Edge	0	114	5570	10.50	10.49	1.02	100.23%	0.050	0.051	-
WLAN 802.11ac(160M) 5.6G	Aux	Bottom Edge	0	114	5570	10.50	10.49	1.02	100.23%	0.647	0.658	024
WLAN 802.11ac(160M) 5.6G	Aux	Right Edge	0	114	5570	10.50	10.49	1.02	100.23%	0.072	0.073	-
WLAN 802.11ac(160M) 5.6G	Aux	Left Edge	0	114	5570	10.50	10.49	1.02	100.23%	0.068	0.069	-
WLAN 802.11ac(160M) 5.6G	Aux	Bottom Edge*	0	114	5570	10.50	10.49	1.02	100.23%	0.623	0.634	-
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	Aux	Back Surface	0	155	5775	11.00	10.96	1.01	100.93%	0.757	0.773	-
WLAN 802.11ac(80M) 5.8G	Aux	Top Edge	0	155	5775	11.00	10.96	1.01	100.93%	0.045	0.046	-
WLAN 802.11ac(80M) 5.8G	Aux	Bottom Edge	0	155	5775	11.00	10.96	1.01	100.93%	0.920	0.940	025
WLAN 802.11ac(80M) 5.8G	Aux	Right Edge	0	155	5775	11.00	10.96	1.01	100.93%	0.079	0.081	-
WLAN 802.11ac(80M) 5.8G	Aux	Left Edge	0	155	5775	11.00	10.96	1.01	100.93%	0.061	0.062	-
WLAN 802.11ac(80M) 5.8G	Aux	Bottom Edge*	0	155	5775	11.00	10.96	1.01	100.93%	0.753	0.769	-
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	Aux	Back Surface	0	163	5815	11.00	10.98	1.02	100.46%	0.790	0.806	-
WLAN 802.11ac(160M) 5.9G	Aux	Top Edge	0	163	5815	11.00	10.98	1.02	100.46%	0.045	0.046	-
WLAN 802.11ac(160M) 5.9G	Aux	Bottom Edge	0	163	5815	11.00	10.98	1.02	100.46%	0.897	0.915	026
WLAN 802.11ac(160M) 5.9G	Aux	Right Edge	0	163	5815	11.00	10.98	1.02	100.46%	0.079	0.081	-
WLAN 802.11ac(160M) 5.9G	Aux	Left Edge	0	163	5815	11.00	10.98	1.02	100.46%	0.060	0.061	-
WLAN 802.11ac(160M) 5.9G	Aux	Bottom Edge*	0	163	5815	11.00	10.98	1.02	100.46%	0.845	0.862	-

\* - Spot Check (INPAQ)

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

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## NFC

### Notebook mode

Band	Position	Distance (mm)	Freq. (MHz)	Averaged SAR over 1g (W/kg)		ID
				Measured	Reported	
NFC	Bottom Surface	0	13.56	0.001	0.001	027
NFC	Bottom Surface*	0	13.56	0.001	0.001	-

\* - Spot Check (INPAQ)

### Tablet mode

Band	Position	Distance (mm)	Freq. (MHz)	Averaged SAR over 1g (W/kg)		ID
				Measured	Reported	
NFC	Back Surface	0	13.56	0.010	0.010	028
NFC	Back Surface*	0	13.56	0.007	0.007	-
NFC	Top Edge	0	13.56	0.001	0.001	-
NFC	Top Edge*	0	13.56	0.001	0.001	-
NFC	Bottom Edge	0	13.56	0.001	0.001	-
NFC	Bottom Edge*	0	13.56	0.001	0.001	-
NFC	Right Edge	0	13.56	0.002	0.002	-
NFC	Right Edge*	0	13.56	0.001	0.001	-
NFC	Left Edge	0	13.56	0.001	0.001	-
NFC	Left Edge*	0	13.56	0.001	0.001	-

\* - Spot Check (INPAQ)

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## 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)		Estimated APD W/m <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11be(320M)	Main	Bottom Surface	0	31	6105	12.00	11.89	1.02	102.57%	0.690	0.718	5.06	5.268	029
U-NII-5 6.2GHz 802.11be(320M)	Main	Bottom Surface	0	63	6265	12.00	11.93	1.02	101.62%	0.630	0.650	4.54	4.684	-
U-NII-5 6.2GHz 802.11be(320M)	Main	Bottom Surface*	0	31	6105	12.00	11.89	1.02	102.57%	0.619	0.644	4.53	4.716	-
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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11be(320M)	Main	Bottom Surface	0	95	6425	12.00	11.95	1.02	101.16%	0.639	0.656	4.66	4.785	030
U-NII-6 6.5GHz 802.11be(320M)	Main	Bottom Surface*	0	95	6425	12.00	11.95	1.02	101.16%	0.559	0.574	0.408	0.419	-
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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11be(320M)	Main	Bottom Surface	0	127	6585	12.00	11.96	1.02	100.93%	0.529	0.542	3.38	3.467	-
U-NII-7 6.7GHz 802.11be(320M)	Main	Bottom Surface	0	159	6745	12.00	11.83	1.02	103.99%	0.580	0.612	3.92	4.138	031
U-NII-7 6.7GHz 802.11be(320M)	Main	Bottom Surface*	0	159	6745	12.00	11.83	1.02	103.99%	0.517	0.546	3.59	3.789	-
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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11be(320M)	Main	Bottom Surface	0	191	6905	12.00	11.89	1.02	102.57%	0.458	0.477	3.09	3.217	032
U-NII-8 7.0GHz 802.11be(320M)	Main	Bottom Surface*	0	191	6905	12.00	11.89	1.02	102.57%	0.418	0.435	2.87	2.988	-
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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11be(320M)	Aux	Bottom Surface	0	31	6105	12.00	11.86	1.02	103.28%	0.618	0.648	4.94	5.178	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Bottom Surface	0	63	6265	12.00	11.96	1.02	100.93%	0.805	0.825	5.78	5.921	033
U-NII-5 6.2GHz 802.11be(320M)	Aux	Bottom Surface*	0	63	6265	12.00	11.96	1.02	100.93%	0.525	0.538	3.82	3.913	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Bottom Surface**	0	63	6265	12.00	11.96	1.02	100.93%	0.801	0.821	5.68	5.819	-
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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11be(320M)	Aux	Bottom Surface	0	95	6425	12.00	11.92	1.02	101.86%	0.454	0.469	3.39	3.505	034
U-NII-6 6.5GHz 802.11be(320M)	Aux	Bottom Surface*	0	95	6425	12.00	11.92	1.02	101.86%	0.389	0.402	2.76	2.853	-
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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11be(320M)	Aux	Bottom Surface	0	127	6585	12.00	11.83	1.02	103.99%	0.543	0.573	3.57	3.768	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Bottom Surface	0	159	6745	12.00	11.95	1.02	101.16%	0.553	0.568	3.9	4.004	035
U-NII-7 6.7GHz 802.11be(320M)	Aux	Bottom Surface*	0	159	6745	12.00	11.95	1.02	101.16%	0.496	0.509	3.47	3.583	-
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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11be(320M)	Aux	Bottom Surface	0	191	6905	12.00	11.88	1.02	102.80%	0.596	0.622	4.12	4.299	036
U-NII-8 7.0GHz 802.11be(320M)	Aux	Bottom Surface*	0	191	6905	12.00	11.88	1.02	102.80%	0.537	0.560	3.67	3.829	-

\* - Spot Check (INPAQ)

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

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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)		Estimated APD W/m <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11be(320M)	Ant 1	Back Surface	0	31	6105	9.00	8.88	1.02	102.80%	0.969	1.011	5.580	5.822	037
U-NII-5 6.2GHz 802.11be(320M)	Ant 1	Back Surface	0	63	6265	9.00	8.86	1.02	103.28%	0.704	0.738	3.960	4.151	-
U-NII-5 6.2GHz 802.11be(320M)	Ant 1	Top Edge	0	31	6105	9.00	8.88	1.02	102.80%	0.011	0.011	0.063	0.066	-
U-NII-5 6.2GHz 802.11be(320M)	Ant 1	Bottom Edge	0	31	6105	9.00	8.88	1.02	102.80%	0.524	0.547	3.017	3.148	-
U-NII-5 6.2GHz 802.11be(320M)	Ant 1	Right Edge	0	31	6105	9.00	8.88	1.02	102.80%	0.037	0.039	0.213	0.222	-
U-NII-5 6.2GHz 802.11be(320M)	Ant 1	Back Surface*	0	31	6105	9.00	8.88	1.02	102.80%	0.870	0.908	5.010	5.228	-
U-NII-5 6.2GHz 802.11be(320M)	Ant 1	Back Surface**	0	31	6105	9.00	8.88	1.02	102.80%	0.963	1.005	5.560	5.802	-

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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11be(320M)	Ant 1	Back Surface	0	95	6425	9.00	8.97	1.02	100.69%	0.678	0.693	3.740	3.822	038
U-NII-6 6.5GHz 802.11be(320M)	Ant 1	Top Edge	0	95	6425	9.00	8.97	1.02	100.69%	0.008	0.008	0.046	0.047	-
U-NII-6 6.5GHz 802.11be(320M)	Ant 1	Bottom Edge	0	95	6425	9.00	8.97	1.02	100.69%	0.299	0.306	1.722	1.760	-
U-NII-6 6.5GHz 802.11be(320M)	Ant 1	Right Edge	0	95	6425	9.00	8.97	1.02	100.69%	0.032	0.033	0.184	0.188	-
U-NII-6 6.5GHz 802.11be(320M)	Ant 1	Left Edge	0	95	6425	9.00	8.97	1.02	100.69%	0.054	0.055	0.311	0.318	-
U-NII-6 6.5GHz 802.11be(320M)	Ant 1	Back Surface*	0	95	6425	9.00	8.97	1.02	100.69%	0.612	0.625	3.290	3.362	-

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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11be(320M)	Ant 1	Back Surface	0	127	6585	7.50	7.40	1.02	102.33%	0.502	0.521	3.108	3.228	-
U-NII-7 6.7GHz 802.11be(320M)	Ant 1	Back Surface	0	159	6745	7.50	7.31	1.02	104.47%	0.610	0.647	3.280	3.478	039
U-NII-7 6.7GHz 802.11be(320M)	Ant 1	Top Edge	0	127	6585	7.50	7.40	1.02	102.33%	0.009	0.009	0.052	0.054	-
U-NII-7 6.7GHz 802.11be(320M)	Ant 1	Bottom Edge	0	127	6585	7.50	7.40	1.02	102.33%	0.357	0.371	2.056	2.135	-
U-NII-7 6.7GHz 802.11be(320M)	Ant 1	Right Edge	0	127	6585	7.50	7.40	1.02	102.33%	0.037	0.038	0.213	0.221	-
U-NII-7 6.7GHz 802.11be(320M)	Ant 1	Left Edge	0	127	6585	7.50	7.40	1.02	102.33%	0.057	0.059	0.328	0.341	-
U-NII-7 6.7GHz 802.11be(320M)	Ant 1	Back Surface*	0	159	6745	7.50	7.31	1.02	104.47%	0.578	0.613	3.120	3.308	-

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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11be(320M)	Ant 1	Back Surface	0	191	6905	7.50	7.43	1.02	101.62%	0.532	0.549	2.77	2.857	040
U-NII-8 7.0GHz 802.11be(320M)	Ant 1	Top Edge	0	191	6905	7.50	7.43	1.02	101.62%	0.009	0.009	0.046	0.047	-
U-NII-8 7.0GHz 802.11be(320M)	Ant 1	Bottom Edge	0	191	6905	7.50	7.43	1.02	101.62%	0.308	0.318	1.61	1.661	-
U-NII-8 7.0GHz 802.11be(320M)	Ant 1	Right Edge	0	191	6905	7.50	7.43	1.02	101.62%	0.033	0.034	0.171	0.176	-
U-NII-8 7.0GHz 802.11be(320M)	Ant 1	Left Edge	0	191	6905	7.50	7.43	1.02	101.62%	0.050	0.052	0.26	0.268	-
U-NII-8 7.0GHz 802.11be(320M)	Ant 1	Back Surface*	0	191	6905	7.50	7.43	1.02	101.62%	0.495	0.511	2.57	2.651	-

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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11be(320M)	Aux	Back Surface	0	31	6105	9.00	9.00	1.02	100.00%	0.536	0.544	2.98	3.025	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Back Surface	0	63	6265	9.00	8.93	1.02	101.62%	0.555	0.572	3.17	3.270	041
U-NII-5 6.2GHz 802.11be(320M)	Aux	Top Edge	0	31	6105	9.00	9.00	1.02	100.00%	0.012	0.012	0.068	0.069	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Bottom Edge	0	31	6105	9.00	9.00	1.02	100.00%	0.407	0.413	2.32	2.355	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Right Edge	0	31	6105	9.00	9.00	1.02	100.00%	0.036	0.037	0.205	0.208	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Left Edge	0	31	6105	9.00	9.00	1.02	100.00%	0.062	0.063	0.354	0.359	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Back Surface*	0	63	6265	9.00	8.93	1.02	101.62%	0.527	0.544	2.76	2.847	-

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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11be(320M)	Aux	Back Surface	0	95	6425	9.00	8.90	1.02	102.33%	0.423	0.439	2.42	2.514	042
U-NII-6 6.5GHz 802.11be(320M)	Aux	Top Edge	0	95	6425	9.00	8.90	1.02	102.33%	0.009	0.009	0.051	0.053	-
U-NII-6 6.5GHz 802.11be(320M)	Aux	Bottom Edge	0	95	6425	9.00	8.90	1.02	102.33%	0.399	0.414	2.28	2.368	-
U-NII-6 6.5GHz 802.11be(320M)	Aux	Right Edge	0	95	6425	9.00	8.90	1.02	102.33%	0.027	0.028	0.154	0.160	-
U-NII-6 6.5GHz 802.11be(320M)	Aux	Left Edge	0	95	6425	9.00	8.90	1.02	102.33%	0.047	0.049	0.268	0.278	-
U-NII-6 6.5GHz 802.11be(320M)	Aux	Back Surface*	0	95	6425	9.00	8.90	1.02	102.33%	0.315	0.327	1.98	2.057	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11be(320M)	Aux	Back Surface	0	127	6585	9.00	8.81	1.02	104.47%	0.439	0.466	2.56	2.715	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Back Surface	0	159	6745	9.00	8.93	1.02	101.62%	0.535	0.552	3.12	3.218	043
U-NII-7 6.7GHz 802.11be(320M)	Aux	Top Edge	0	159	6745	9.00	8.93	1.02	101.62%	0.011	0.011	0.064	0.066	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Bottom Edge	0	159	6745	9.00	8.93	1.02	101.62%	0.392	0.404	2.27	2.341	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Right Edge	0	159	6745	9.00	8.93	1.02	101.62%	0.034	0.035	0.198	0.204	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Left Edge	0	159	6745	9.00	8.93	1.02	101.62%	0.059	0.061	0.344	0.355	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Back Surface*	0	159	6745	9.00	8.93	1.02	101.62%	0.507	0.523	3.06	3.156	-

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 <sup>2</sup> (4cm <sup>2</sup> )		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11be(320M)	Aux	Back Surface	0	191	6905	9.00	8.96	1.02	100.93%	0.511	0.523	2.98	3.053	044
U-NII-8 7.0GHz 802.11be(320M)	Aux	Top Edge	0	191	6905	9.00	8.96	1.02	100.93%	0.011	0.011	0.064	0.066	-
U-NII-8 7.0GHz 802.11be(320M)	Aux	Bottom Edge	0	191	6905	9.00	8.96	1.02	100.93%	0.374	0.383	2.18	2.233	-
U-NII-8 7.0GHz 802.11be(320M)	Aux	Right Edge	0	191	6905	9.00	8.96	1.02	100.93%	0.033	0.034	0.192	0.197	-
U-NII-8 7.0GHz 802.11be(320M)	Aux	Left Edge	0	191	6905	9.00	8.96	1.02	100.93%	0.057	0.058	0.332	0.340	-
U-NII-8 7.0GHz 802.11be(320M)	Aux	Back Surface*	0	191	6905	9.00	8.96	1.02	100.93%	0.380	0.389	2.21	2.264	-

\* - Spot Check (INPAQ)

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

## Note:

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

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

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### 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 <sup>2</sup> )	Reported Total psPD (W/m <sup>2</sup> )	Measured Normal psPD (W/m <sup>2</sup> )	Reported Normal psPD (W/m <sup>2</sup> )	
WLAN 6E 802.11ax(160M) U-NII-5	Main	Back Surface	2	15	6025	9.00	8.93	101.62%	1.01	1.55	2.100	3.348	1.670	2.662	067
	Main	Back Surface	2	47	6185	9.00	8.95	101.16%	1.01	1.55	2.000	3.174	1.560	2.475	-
	Main	Back Surface	2	79	6345	9.00	8.96	100.93%	1.01	1.55	2.600	4.116	2.130	3.372	068
WLAN 6E 802.11ax(160M) U-NII-6	Main	Back Surface	2	111	6505	9.00	8.91	102.09%	1.01	1.55	2.690	4.308	2.260	3.619	069
WLAN 6E 802.11ax(160M) U-NII-7	Main	Back Surface	2	143	6665	7.50	7.45	101.16%	1.01	1.55	2.310	3.665	2.040	3.237	-
	Main	Back Surface	2	175	6825	7.50	7.43	101.62%	1.01	1.55	2.400	3.826	2.070	3.300	070
WLAN 6E 802.11ax(160M) U-NII-8	Main	Back Surface	2	207	6985	7.50	7.44	101.39%	1.01	1.55	1.910	3.038	1.350	2.147	071

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 <sup>2</sup> )	Reported Total psPD (W/m <sup>2</sup> )	Measured Normal psPD (W/m <sup>2</sup> )	Reported Normal psPD (W/m <sup>2</sup> )	
WLAN 6E 802.11ax(160M) U-NII-5	Aux	Back Surface	2	15	6025	9.00	8.93	101.62%	1.01	1.55	2.030	3.236	1.710	2.726	072
	Aux	Back Surface	2	47	6185	9.00	8.95	101.16%	1.01	1.55	1.960	3.110	1.180	1.872	-
	Aux	Back Surface	2	79	6345	9.00	8.95	101.16%	1.01	1.55	1.160	1.841	0.876	1.390	073
WLAN 6E 802.11ax(160M) U-NII-6	Aux	Back Surface	2	111	6505	9.00	8.88	102.80%	1.01	1.55	1.450	2.338	1.010	1.629	074
WLAN 6E 802.11ax(160M) U-NII-7	Aux	Back Surface	2	143	6665	9.00	8.84	103.75%	1.01	1.55	1.820	2.962	1.030	1.676	-
	Aux	Back Surface	2	175	6825	9.00	8.81	104.47%	1.01	1.55	1.940	3.179	1.150	1.885	075
WLAN 6E 802.11ax(160M) U-NII-8	Aux	Back Surface	2	207	6985	9.00	8.83	103.99%	1.01	1.55	1.720	2.806	1.010	1.648	076

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 + NFC
WLAN 2.4GHz Main + WLAN 2.4GHz Aux + NFC
WLAN 5GHz Main + BT Aux + NFC
WLAN 5GHz Main + WLAN 5GHz Aux + NFC
WLAN 5GHz Main + WLAN 5GHz Aux + BT Aux + NFC
WLAN 6GHz Main + BT Aux + NFC
WLAN 6GHz Main + WLAN 6GHz Aux + NFC
WLAN 6GHz Main + WLAN 6GHz Aux + BT Aux + NFC

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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  $\leq 0.04$  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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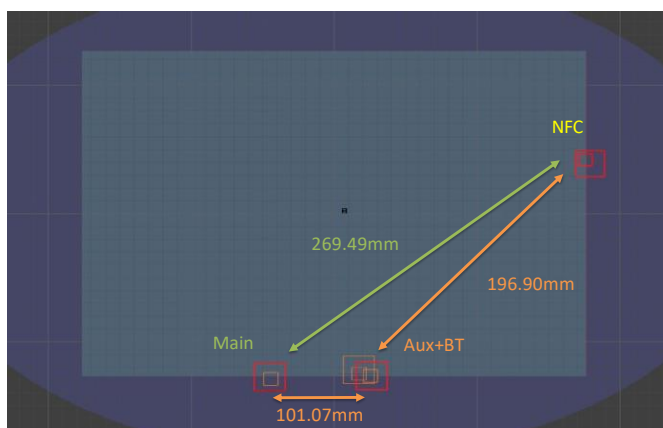
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## Simultaneous Transmission Combination

## Notebook mode

Exposure Position	FCC Reported SAR									Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	SPLSR	Case No
	1	2	3	4	5	7	8	9	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed			
	NFC	2.4GHz WLAN	2.4GHz WLAN Aux	5GHz WLAN Main	5GHz WLAN Aux	Bluetooth Aux	5GHz WLAN Main	5GHz WLAN Aux											
	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	0.001	0.014	0.436	0.702	0.808	0.376	0.718	0.825	0.951	0.951	1.079	1.511	1.887	1.095	1.544	1.928	the sum of 1g-SAR >1.6	\$5.58

Scenario 5									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom Surface	NFC	0.001	-3.75	16.85	-17.70	-	-	-	-
	5GHz WLAN Main	0.702	12.90	-4.34	-17.70	0.703	269.49	0.002	SPLSR ≤ 0.04, Not required
	5GHz WLAN Aux+Bluetooth Aux	1.184	12.52	5.76	-17.70	1.185	196.90	0.007	SPLSR ≤ 0.04, Not required



Scenario 5									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom Surface	5GHz WLAN Main	0.702	12.90	-4.34	-17.70	-	-	-	-
	5GHz WLAN Aux+Bluetooth Aux	1.184	12.52	5.76	-17.70	1.886	101.07	0.026	SPLSR ≤ 0.04, Not required

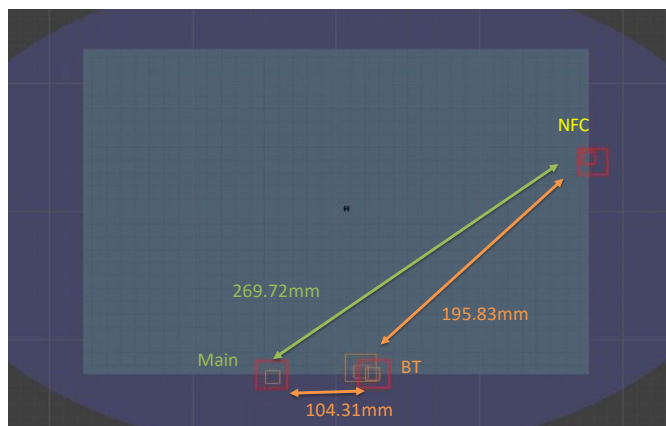
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Scenario 8									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			$\Sigma$ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom Surface	NFC	0.001	-3.75	16.85	-17.70	-	-	-	-
	6GHz WLAN Main	0.718	12.51	-4.67	-17.70	0.719	269.72	0.002	SPLSR $\leq$ 0.04, Not required
	6GHz WLAN Aux+Bluetooth Aux	1.201	12.39	5.76	-17.70	1.202	195.83	0.007	SPLSR $\leq$ 0.04, Not required



Scenario 8									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			$\Sigma$ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom Surface	6GHz WLAN Main	0.718	12.51	-4.67	-17.70	-	-	-	-
	6GHz WLAN Aux+Bluetooth Aux	1.201	12.39	5.76	-17.70	1.919	104.31	0.025	SPLSR $\leq$ 0.04, Not required

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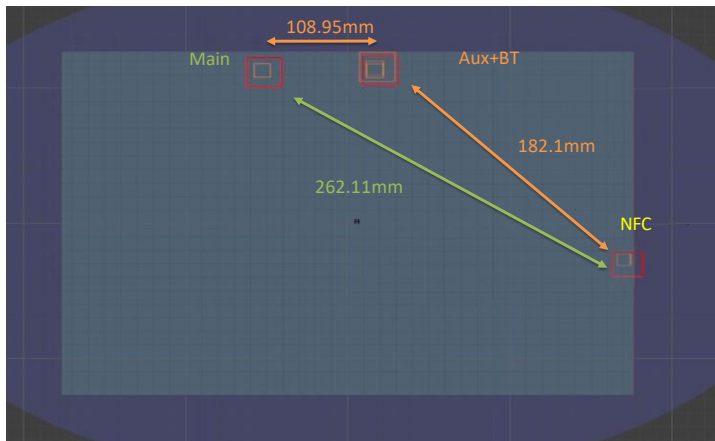
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## Tablet mode

Exposure Position	FCC Reported SAR									Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	SPLSR	Case No.
	1	2	3	4	5	7	8	9	1+2+7	1+2+3	1+4+7	1+4+5	1+4+5+7	1+7+8	1+6+7	1+7+8+9			
	NFC	2.4GHz WLAN Aux	2.4GHz WLAN Main	5GHz WLAN Main	5GHz WLAN Aux	Bluetooth Aux	5GHz WLAN Main	5GHz WLAN Aux	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)		
Back Surface	0	0.010	0.024	0.032	1.088	0.806	0.642	1.011	0.072	1.966	1.966	1.728	1.894	2.226	1.693	1.593	2.235	The sum of 1g-SAR>1.6 need analysis as below	\$5.58
Top Edge	0	0.001	0.058	0.052	0.056	0.051	0.065	0.011	0.012	0.111	0.111	0.132	0.106	0.175	0.077	0.024	0.099		
Bottom Edge	0	0.001	0.002	0.348	0.842	0.940	0.538	0.547	0.414	0.851	0.851	1.381	1.763	2.321	1.086	0.962	1.500	The sum of 1g-SAR>1.6 need analysis as below	\$5
Right Edge	0	0.002	0.043	0.041	0.054	0.084	0.057	0.039	0.037	0.086	0.086	0.113	0.140	0.197	0.098	0.078	0.135		
Left Edge	0	0.001	0.063	0.037	0.080	0.069	0.046	0.060	0.063	0.101	0.101	0.127	0.159	0.196	0.107	0.124	0.170		

Scenario 8									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ISAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	NFC	0.010	2.70	17.00	-17.70	-	-	-	-
	6GHz WLAN Main	1.011	-11.25	-5.19	-17.70	1.021	262.11	0.004	SPLSR ≤ 0.04, Not required
	6GHz WLAN Aux+Bluetooth Aux	1.214	-11.58	5.70	-17.70	1.224	182.10	0.007	SPLSR ≤ 0.04, Not required



Scenario 8									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ISAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	6GHz WLAN Main	1.011	-11.25	-5.19	-17.70	-	-	-	-
	6GHz WLAN Aux+Bluetooth Aux	1.214	-11.58	5.70	-17.70	2.225	108.95	0.030	SPLSR ≤ 0.04, Not required

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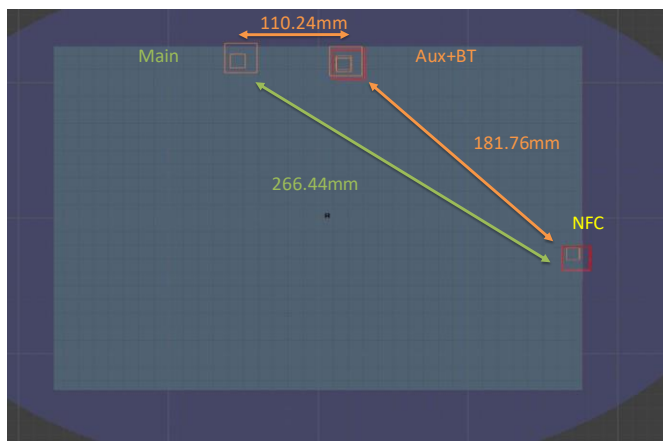
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Scenario 5									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	NFC	0.010	2.70	17.00	-17.70	-	-	-	-
	5GHz WLAN Main	1.068	-11.82	-5.34	-17.70	1.078	266.44	0.004	SPLSR ≤ 0.04, Not required
	5GHz WLAN Aux+Bluetooth Aux	1.448	-11.52	5.68	-17.70	1.458	181.76	0.010	SPLSR ≤ 0.04, Not required



Scenario 5									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	5GHz WLAN Main	1.068	-11.82	-5.34	-17.70	-	-	-	-
	5GHz WLAN Aux+Bluetooth Aux	1.448	-11.52	5.68	-17.70	2.516	110.24	0.036	SPLSR ≤ 0.04, Not required

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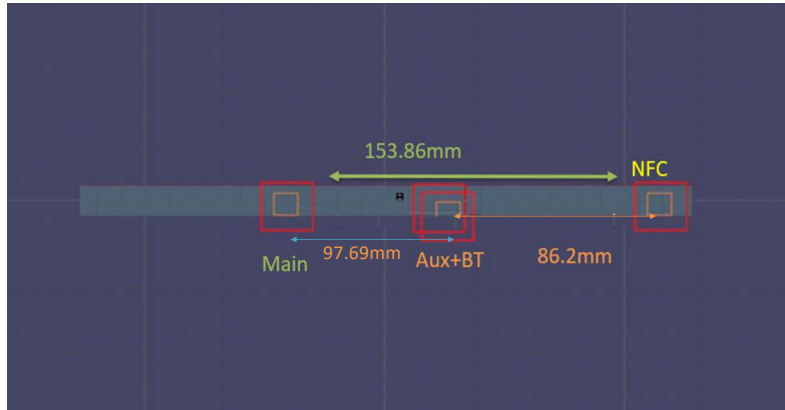
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Scenario 5									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom Surface	NFC	0.001	0.53	11.22	-17.70	-	-	-	-
	5GHz WLAN Main	0.842	0.10	-4.16	-17.70	0.843	153.86	0.005	SPLSR ≤ 0.04, Not required
	5GHz WLAN Aux+Bluetooth Aux	1.478	0.52	5.60	-17.70	1.479	86.20	0.021	SPLSR ≤ 0.04, Not required



Scenario 5									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Bottom Surface	5GHz WLAN Main	0.842	0.10	-4.16	-17.70	-	-	-	-
	5GHz WLAN Aux+Bluetooth Aux	1.478	0.52	5.60	-17.70	2.320	97.69	0.036	SPLSR ≤ 0.04, Not required

## 9.4 Total Exposure Ratio (TER)

		TER=Σ(SAR/limit)+Σ(PD)/limit						
		1	7	8	9	1+7+8	1+8+9	1+7+8+9
		NFC	Bluetooth Aux	6GHz WLAN Main	6GHz WLAN Aux	Summed	Summed	Summed
Exposure Position		ER(Exposure ratio)=SAR/limit	ER(Exposure ratio)=SAR/limit	ER(Exposure ratio)=PD/limit	ER(Exposure ratio)=PD/limit			
Back Surface	0	0.006	0.401	0.431	0.324	0.838	0.761	1.162
Top Edge	0	0.001	0.041	-	-	0.041	0.001	0.041
Bottom Edge	0	0.001	0.336	-	-	0.337	0.001	0.337
Right Edge	0	0.001	0.036	-	-	0.037	0.001	0.037
Left Edge	0	0.001	0.029	-	-	0.029	0.001	0.029

\*Based on KDB388624 D02 APPENDIX OVER6G Check list and April 2022 TCB workshop RF Exposure Procedures, SPLSR can be used in combinations between sub-6 GHz and above-6 GHz SAR. Accordingly, no further compliance evaluation is needed for all antenna pairs for which the SPLSR exemption is applicable. (Refer to section 9.3 for SPLSR analysis)

## 9.5 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	558	Nov/20/2023	Nov/19/2024
SPEAG	Data acquisition Electronics	DAE4	547	Jan/18/2024	Jan/17/2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7466	Jan/22/2024	Jan/21/2025
SPEAG	E-field Probe for Near Field Application	EUmmWV4	9635	Apr/16/2024	Apr/15/2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3665	Sep/04/2024	Sep/03/2025
SPEAG	System Validation Dipole	D2450V2	727	Apr/22/2024	Apr/21/2025
SPEAG	System Validation Dipole	D5GHzV2	1023	Jan/24/2024	Jan/23/2025
SPEAG	System Validation Dipole	D6.5GHzV2	1006	Aug/15/2024	Aug/14/2025
SPEAG	System Validation Dipole	D7GHzV2	1007	Aug/15/2024	Aug/14/2025
SPEAG	Verification Source 13MHz	CLA13	1027	Sep/21/2023	Sep/20/2024
SPEAG	5G Verification Source 10GHz	5G-Veri10	1021	Jan/17/2024	Jan/16/2025
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/21/2024	Feb/20/2025
SPEAG	Dielectric Assessment Kit	DAKS-12	1039	Sep/21/2023	Sep/20/2024
R&S	MXG Analog Signal Generator	SMB100A03	182012	May/21/2024	May/20/2025
Agilent	Dual-directional coupler	772D	MY48220468	Sep/03/2024	Sep/02/2025
Agilent	Dual-directional coupler	778D	MY46151242	Sep/03/2024	Sep/02/2025
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/27/2024	Feb/26/2025
R&S	Power Meter	NRX	102191	Feb/27/2024	Feb/26/2025
R&S	Power Sensor	NRP50S	101770	Jun/26/2024	Jun/25/2025
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/26/2023	Dec/25/2024
TECPEL	Digital thermometer	DTM-303A	TP190085	Dec/19/2023	Dec/18/2024

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# 11 UNCERTAINTY BUDGET

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

A	c	D	e		f	g	$h=c \cdot f / e$	$i=c \cdot g / e$	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
<b>Measurement system</b>									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	$\infty$
<i>Isotropy, Axial</i>	3.50%	R	$\sqrt{3}$	1.732	1	1	2.02%	2.02%	$\infty$
<i>Isotropy, Hemispherical</i>	9.60%	R	$\sqrt{3}$	1.732	1	1	5.54%	5.54%	$\infty$
Modulation Response	2.40%	R	$\sqrt{3}$	1.732	1	1	1.40%	1.40%	$\infty$
Boundary Effect	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	$\infty$
Linearity	4.70%	R	$\sqrt{3}$	1.732	1	1	2.71%	2.71%	$\infty$
Detection Limits	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	$\infty$
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	$\infty$
Response time	0.80%	R	$\sqrt{3}$	1.732	1	1	0.46%	0.46%	$\infty$
Integration Time	2.60%	R	$\sqrt{3}$	1.732	1	1	1.50%	1.50%	$\infty$
<b>Measurement drift (class A evaluation)</b>	1.75%	R	$\sqrt{3}$	1.732	1	1	1.01%	1.01%	$\infty$
RF ambient condition - noise	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	$\infty$
RF ambient conditions - reflections	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	$\infty$
Probe positioner Mechanical restrictions	0.40%	R	$\sqrt{3}$	1.732	1	1	0.23%	0.23%	$\infty$
Probe Positioning with respect to phantom shell	2.90%	R	$\sqrt{3}$	1.732	1	1	1.67%	1.67%	$\infty$
Post-processing	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	$\infty$
Max SAR Eval	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	$\infty$
<b>Test Sample related</b>									
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%	$\infty$
<b>Phantom and Setup</b>									
Phantom Uncertainty	4.00%	R	$\sqrt{3}$	1.732	1	1	2.31%	2.31%	$\infty$
Liquid permittivity (mea.)	3.26%	N	1	1	0.64	0.43	2.09%	1.40%	M
Liquid Conductivity (mea.)	4.05%	N	1	1	0.6	0.49	2.43%	1.98%	M
Combined standard uncertainty		RSS					12.15%	11.96%	
Expant uncertainty (95% confidence interval), K=2							24.29%	23.91%	

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

A	c	D	e		f	g	$h=c * f / e$	$i=c * g / e$	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	$v_i$ , or $V_{eff}$
<b>Measurement system</b>									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	$\infty$
<b>Isotropy , Axial</b>	3.50%	R	$\sqrt{3}$	1.732	1	1	2.02%	2.02%	$\infty$
<b>Isotropy, Hemispherical</b>	9.60%	R	$\sqrt{3}$	1.732	1	1	5.54%	5.54%	$\infty$
Modulation Response	2.40%	R	$\sqrt{3}$	1.732	1	1	1.40%	1.40%	$\infty$
Boundary Effect	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	$\infty$
Linearity	4.70%	R	$\sqrt{3}$	1.732	1	1	2.71%	2.71%	$\infty$
Detection Limits	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	$\infty$
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	$\infty$
Response time	0.80%	R	$\sqrt{3}$	1.732	1	1	0.46%	0.46%	$\infty$
Integration Time	2.60%	R	$\sqrt{3}$	1.732	1	1	1.50%	1.50%	$\infty$
<b>Measurement drift (class A evaluation)</b>	1.75%	R	$\sqrt{3}$	1.732	1	1	1.01%	1.01%	$\infty$
RF ambient condition - noise	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	$\infty$
RF ambient conditions - reflections	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	$\infty$
Probe positioner Mechanical restrictions	0.40%	R	$\sqrt{3}$	1.732	1	1	0.23%	0.23%	$\infty$
Probe Positioning with respect to phantom shell	2.90%	R	$\sqrt{3}$	1.732	1	1	1.67%	1.67%	$\infty$
Post-processing	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	$\infty$
Max SAR Eval	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	$\infty$
<b>Test Sample related</b>									
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%	$\infty$
<b>Phantom and Setup</b>									
Phantom Uncertainty	4.00%	R	$\sqrt{3}$	1.732	1	1	2.31%	2.31%	$\infty$
Liquid permittivity (mea.)	2.77%	N	1	1	0.64	0.43	1.77%	1.19%	M
Liquid Conductivity (mea.)	3.87%	N	1	1	0.6	0.49	2.32%	1.90%	M
Combined standard uncertainty		RSS					11.79%	11.63%	
Explant uncertainty (95% confidence interval), K=2							23.57%	23.25%	

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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) (±%)
<b>Measurement system errors</b>								
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
<b>Phantom and device errors</b>								
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
<b>Correction to the SAR results</b>								
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
<b>Uncertainty terms dependent on the measurement system</b>							
Probe calibration	0.49	N	1	1	1	0.49	$\infty$
Probe correction	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Frequency response (BW $\leq$ 1GHz)	0.20	R	$\sqrt{3}$	1.732	1	0.12	$\infty$
Sensor cross coupling	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Isotropy	0.50	R	$\sqrt{3}$	1.732	1	0.29	$\infty$
Linearity	0.20	R	$\sqrt{3}$	1.732	1	0.12	$\infty$
Probe scattering	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Probe positioning offset	0.30	R	$\sqrt{3}$	1.732	1	0.17	$\infty$
Probe positioning repeatability	0.04	R	$\sqrt{3}$	1.732	1	0.02	$\infty$
Sensor mechanical offset	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Probe spatial resolution	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Field impedance dependence	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Amplitude and phase drift	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Amplitude and phase noise	0.04	R	$\sqrt{3}$	1.732	1	0.02	$\infty$
Measurement area truncation	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Data acquisition	0.03	N	1	1	1	0.03	$\infty$
Sampling	0.00	R	$\sqrt{3}$	1	1	0.00	$\infty$
Field reconstruction	2.00	R	$\sqrt{3}$	1.732	1	1.15	$\infty$
Forward transformation	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Power density scaling	-	R	$\sqrt{3}$	1.732	1	-	$\infty$
Spatial averaging	0.10	R	$\sqrt{3}$	1.732	1	0.06	$\infty$
System detection limit	0.04	R	$\sqrt{3}$	1.732	1	0.02	$\infty$
<b>Uncertainty terms dependent on the DUT and environmental factors</b>							
Probe coupling with DUT	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Modulation response	0.40	R	$\sqrt{3}$	1.732	1	0.23	$\infty$
Integration time	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Response time	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Device holder influence	0.10	R	$\sqrt{3}$	1.732	1	0.06	$\infty$
DUT alignment	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
RF ambient conditions	0.04	R	$\sqrt{3}$	1.732	1	0.02	$\infty$
Ambient reflections	0.04	R	$\sqrt{3}$	1.732	1	0.02	$\infty$
Immunity / secondary reception	0.00	R	$\sqrt{3}$	1.732	1	0.00	$\infty$
Drift of the DUT	-	R	$\sqrt{3}$	1.732	1	-	$\infty$
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. :TESA2409000536E5

Measurement Report\_WLAN 802.11b\_Body\_Bottom Surface\_CH 13\_0mm\_Main

Ambient temperature: 22.8°C; Liquid temperature: 21.3°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	2472.0, 13	7.45	1.807	38.096

### Hardware Setup

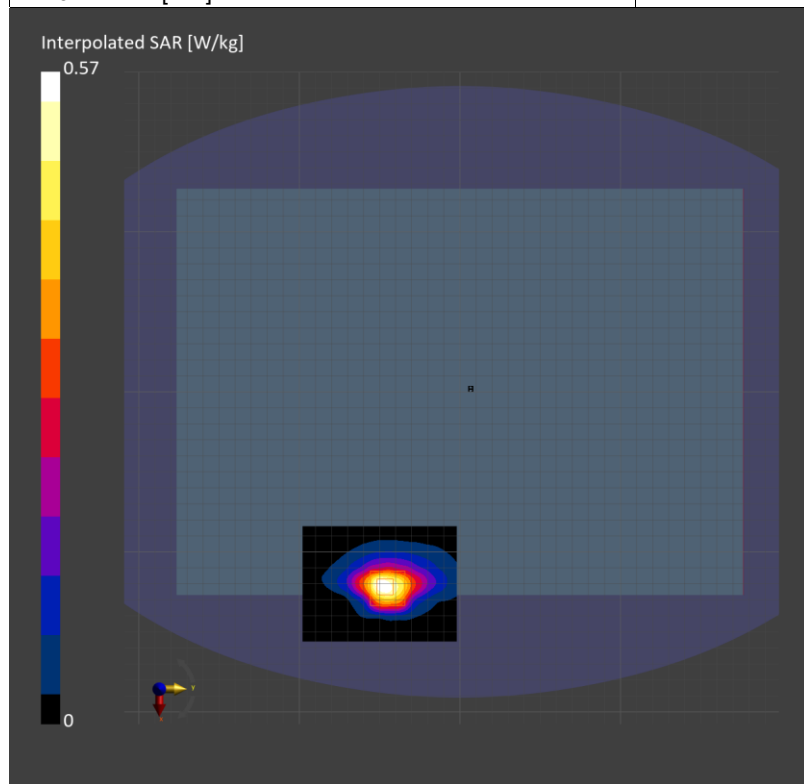
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

### Scans Setup

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

### Measurement Results

	Area Scan	Zoom Scan
Date	2024-09-19	2024-09-19
psSAR1g [W/kg]	0.450	0.509
psSAR8g [W/kg]	0.242	0.257
psSAR10g [W/kg]	0.220	0.233
Power Drift [dB]	0.02	-0.02
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		7.3



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ID: 002

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.2G\_Body\_Bottom Surface\_CH 50\_0mm\_Main

Ambient temperature: 22.4°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	5250.0, 50	5.62	4.592	34.853

**Hardware Setup**

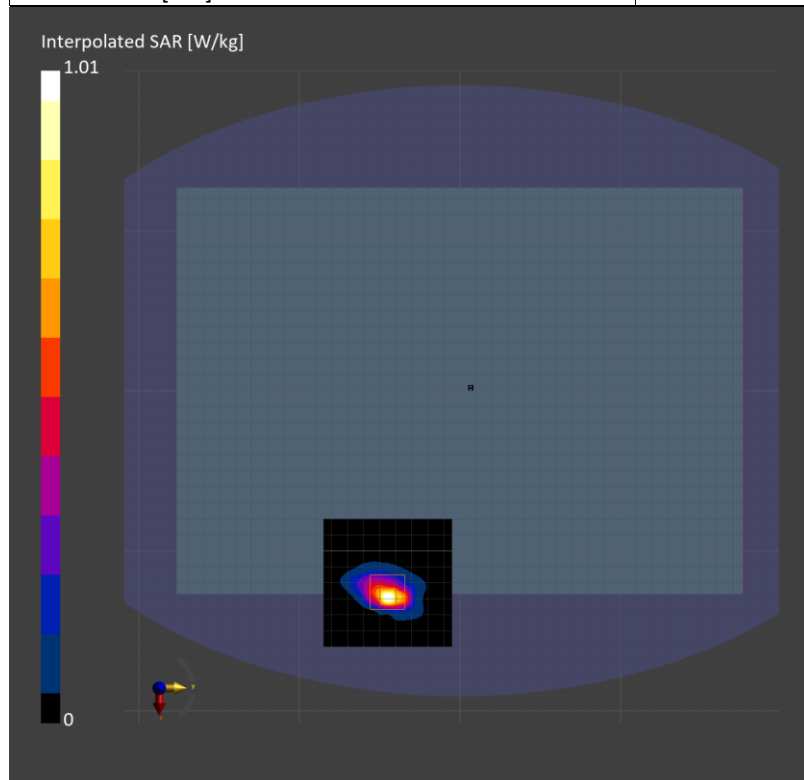
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.632	0.621
psSAR8g [W/kg]	0.225	0.222
psSAR10g [W/kg]	0.197	0.193
Power Drift [dB]	0.03	0.04
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		5.7



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ID: 003

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(80M) 5.3G\_Body\_Bottom Surface\_CH 58\_0mm\_Main

Ambient temperature: 22.4°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	5290.0, 58	5.62	4.632	34.807

**Hardware Setup**

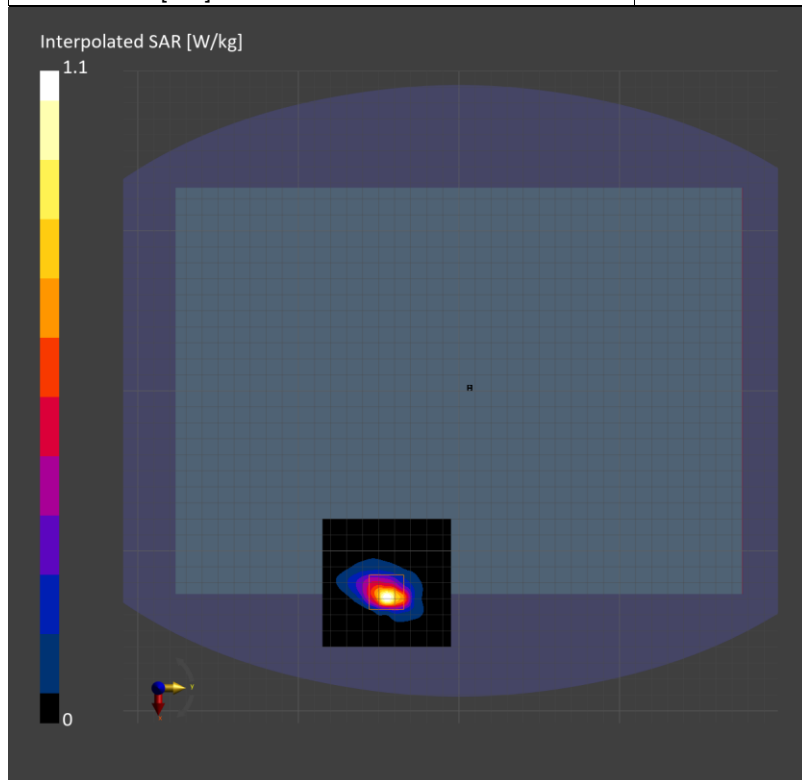
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.688	0.683
psSAR8g [W/kg]	0.245	0.245
psSAR10g [W/kg]	0.214	0.213
Power Drift [dB]	0.04	0.02
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		5.8



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ID: 004

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.6G\_Body\_Bottom Surface\_CH 114\_0mm\_Main

Ambient temperature: 22.4°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	5570.0, 114	5.13	4.914	34.487

**Hardware Setup**

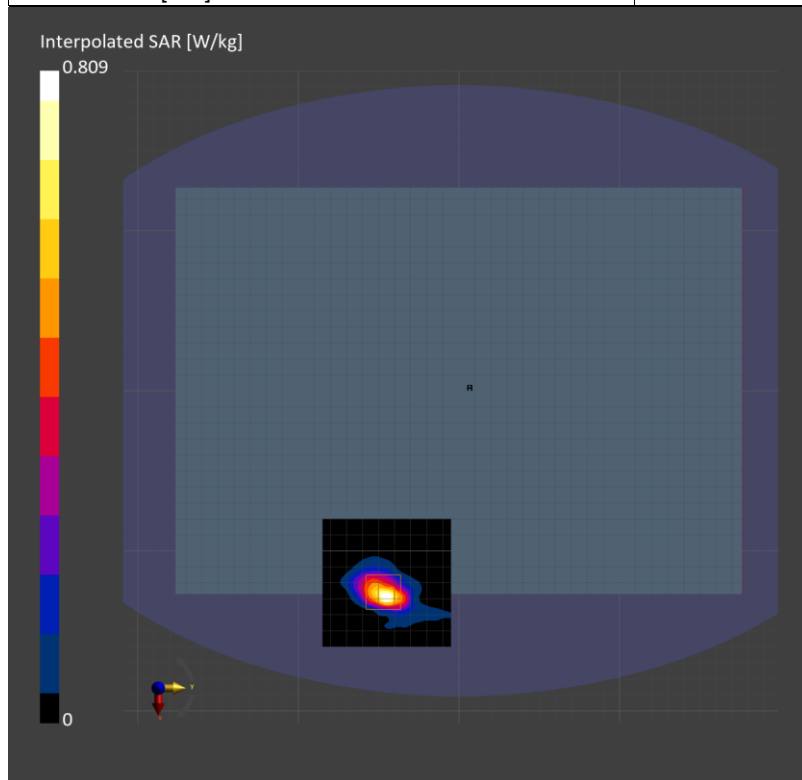
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.529	0.531
psSAR8g [W/kg]	0.197	0.200
psSAR10g [W/kg]	0.173	0.172
Power Drift [dB]	0.04	0.05
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		6.1



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ID: 005

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(80M) 5.8G\_Body\_Bottom Surface\_CH 155\_0mm\_Main

Ambient temperature: 22.4°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	5.21	5.120	34.253

**Hardware Setup**

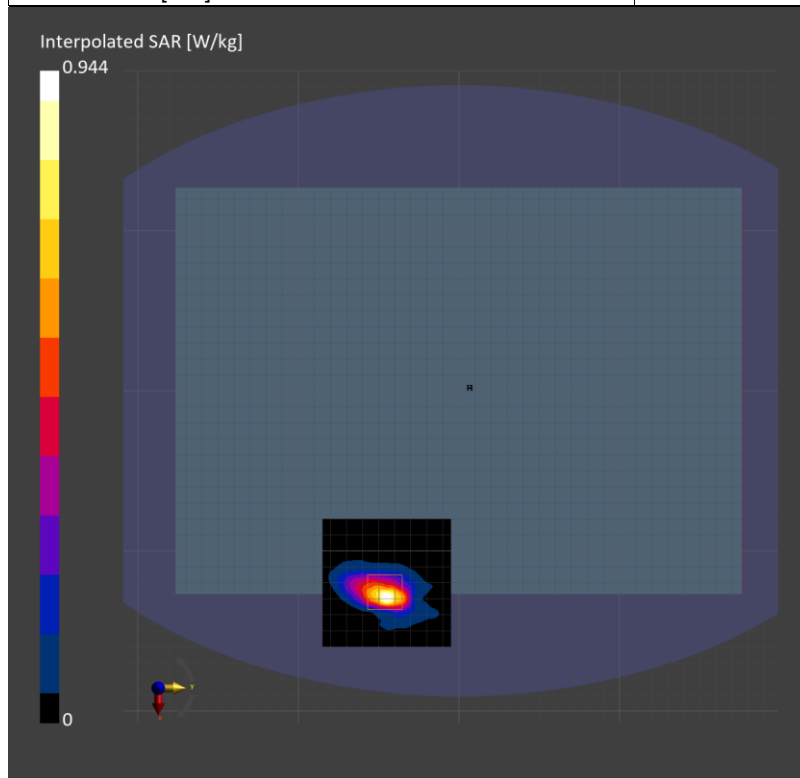
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.621	0.637
psSAR8g [W/kg]	0.231	0.238
psSAR10g [W/kg]	0.204	0.209
Power Drift [dB]	0.03	0.04
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		6.4



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ID: 006

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.9G\_Body\_Bottom Surface\_CH 163\_0mm\_Main

Ambient temperature: 22.4°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	5815.0, 163	5.20	5.160	34.207

**Hardware Setup**

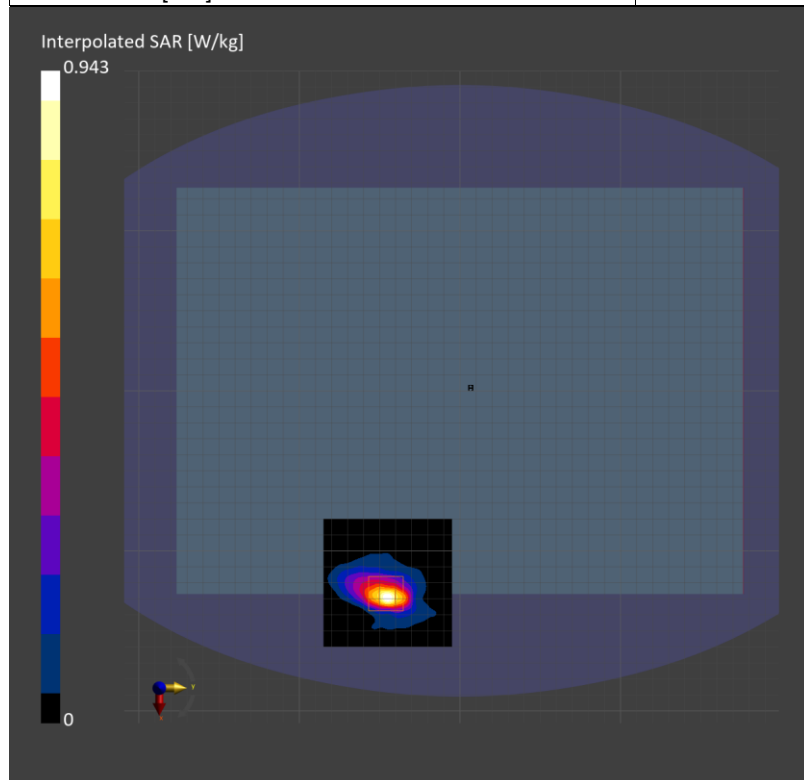
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.623	0.632
psSAR8g [W/kg]	0.230	0.233
psSAR10g [W/kg]	0.203	0.204
Power Drift [dB]	0.04	0.05
M2/M1 [%]		54.1
Dist 3dB Peak [mm]		6.4



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ID: 007

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11b\_Body\_Bottom Surface\_CH 13\_0mm\_Aux

Ambient temperature: 22.8°C; Liquid temperature: 21.3°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	2472.0, 13	7.45	1.807	38.096

**Hardware Setup**

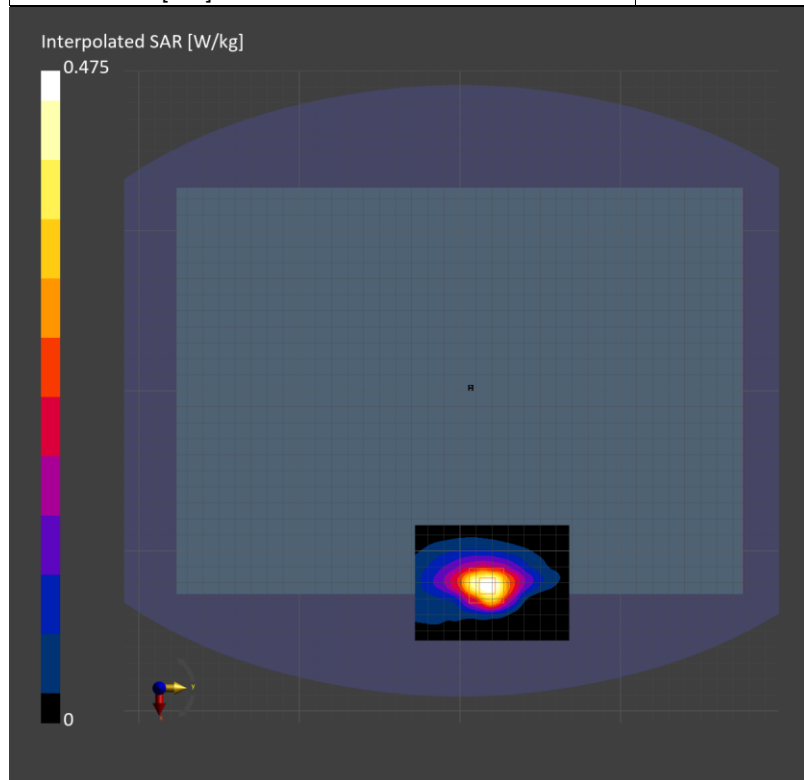
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

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

**Measurement Results**

	Area Scan	Zoom Scan
Date	2024-09-19	2024-09-19
psSAR1g [W/kg]	0.379	0.432
psSAR8g [W/kg]	0.204	0.216
psSAR10g [W/kg]	0.186	0.196
Power Drift [dB]	-0.03	-0.04
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		7.1



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ID: 008

Report No. :TESA2409000536E5

Measurement Report \_Bluetooth(GFSK)\_Body\_Bottom Surface\_CH 78\_0mm\_Aux

Ambient temperature: 22.8°C; Liquid temperature: 21.3°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	2480.0, 78	7.45	1.814	38.086

**Hardware Setup**

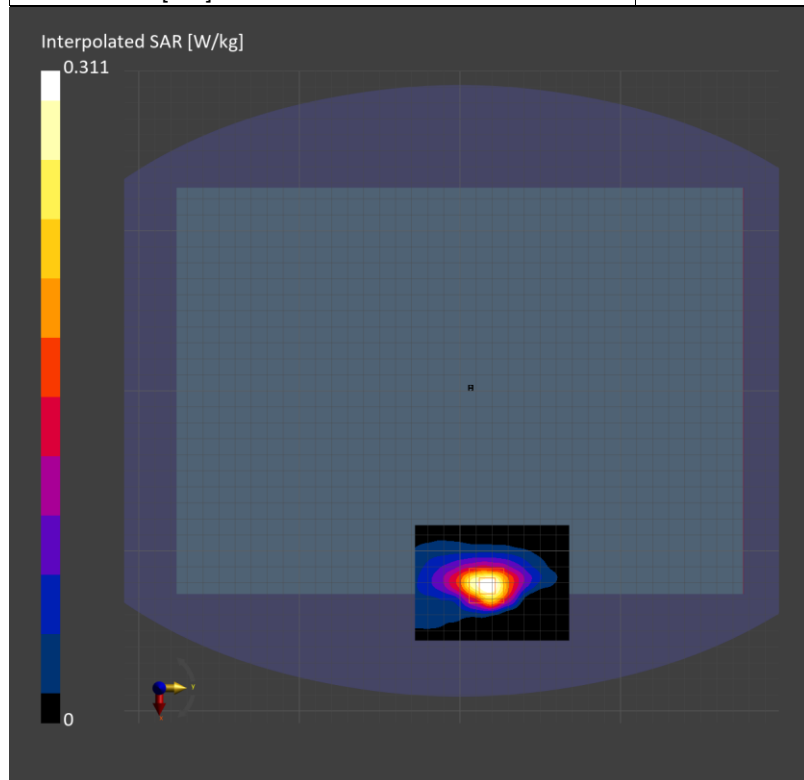
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 96.0	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	2024-09-19	2024-09-19
psSAR1g [W/kg]	0.249	0.285
psSAR8g [W/kg]	0.134	0.140
psSAR10g [W/kg]	0.122	0.127
Power Drift [dB]	0.02	0.05
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		7.3



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ID: 009

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.2G\_Body\_Bottom Surface\_CH 50\_0mm\_Aux

Ambient temperature: 22.4°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	5250.0, 50	5.62	4.592	34.853

**Hardware Setup**

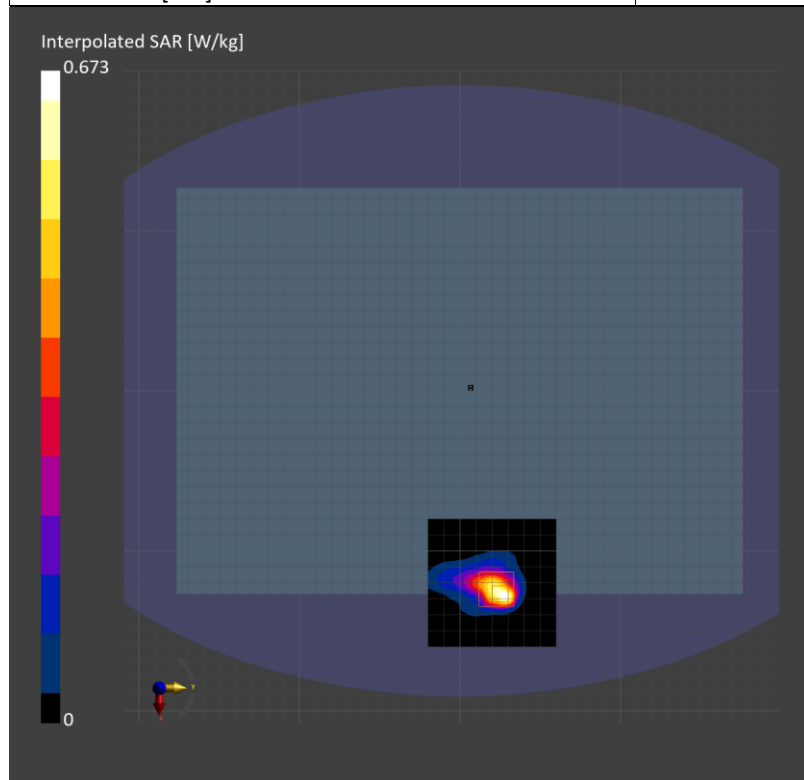
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.456	0.555
psSAR8g [W/kg]	0.182	0.179
psSAR10g [W/kg]	0.160	0.152
Power Drift [dB]	0.04	0.03
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		4.0



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ID: 010

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(80M) 5.3G\_Body\_Bottom Surface\_CH 58\_0mm\_Aux

Ambient temperature: 22.4°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	5290.0, 58	5.62	4.632	34.807

**Hardware Setup**

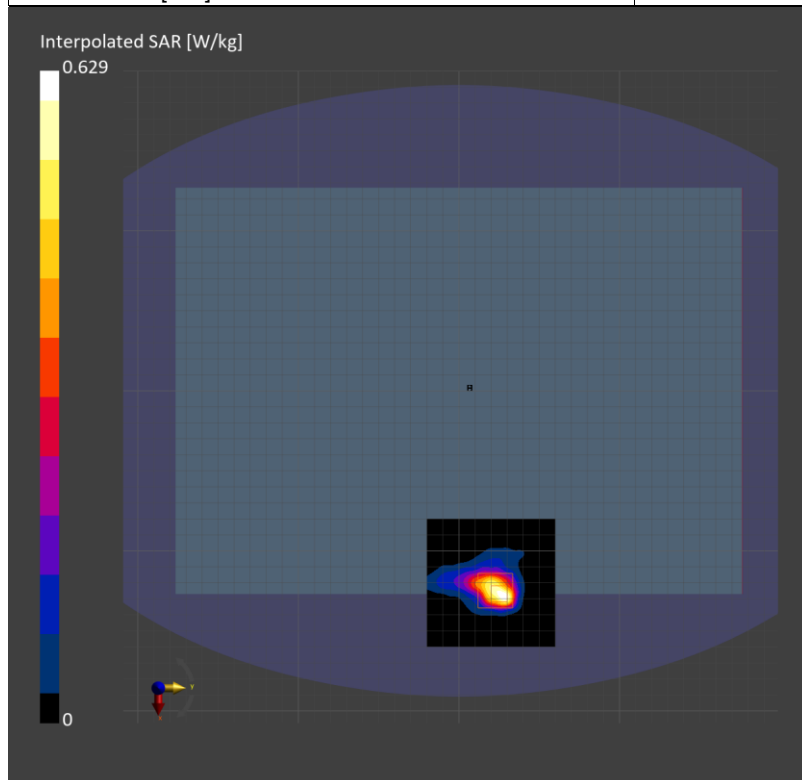
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.433	0.529
psSAR8g [W/kg]	0.173	0.168
psSAR10g [W/kg]	0.152	0.142
Power Drift [dB]	0.04	0.02
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		4.0



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Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.6G\_Body\_Bottom Surface\_CH 114\_0mm\_Aux

Ambient temperature: 22.4°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	5570.0, 114	5.13	4.914	34.487

**Hardware Setup**

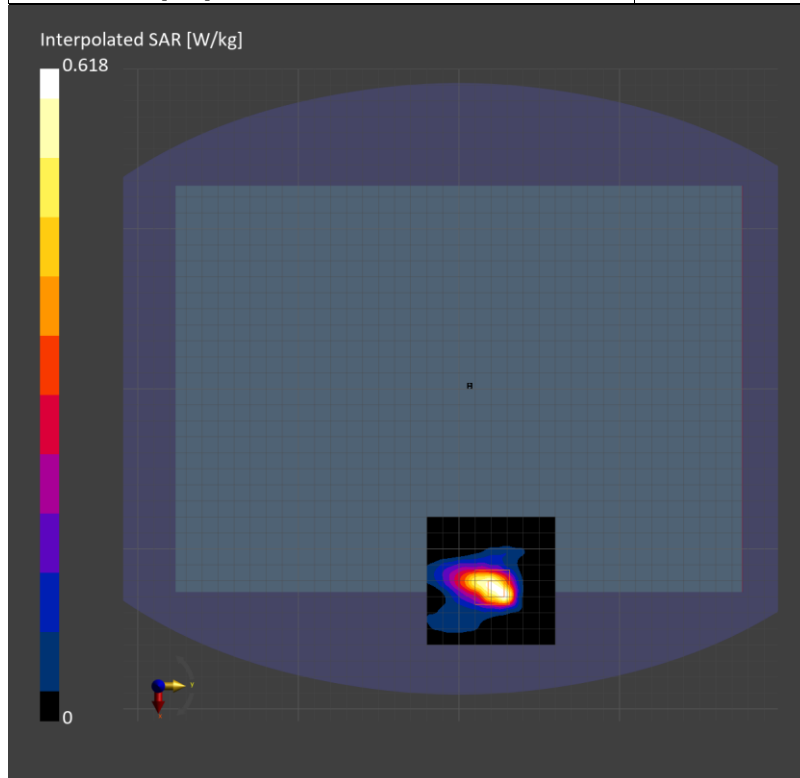
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.445	0.617
psSAR8g [W/kg]	0.186	0.221
psSAR10g [W/kg]	0.165	0.192
Power Drift [dB]	0.03	0.04
M2/M1 [%]		57.8
Dist 3dB Peak [mm]		4.7



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ID: 012

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(80M) 5.8G\_Body\_Bottom Surface\_CH 155\_0mm\_Aux

Ambient temperature: 22.4°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	5.21	5.120	34.253

**Hardware Setup**

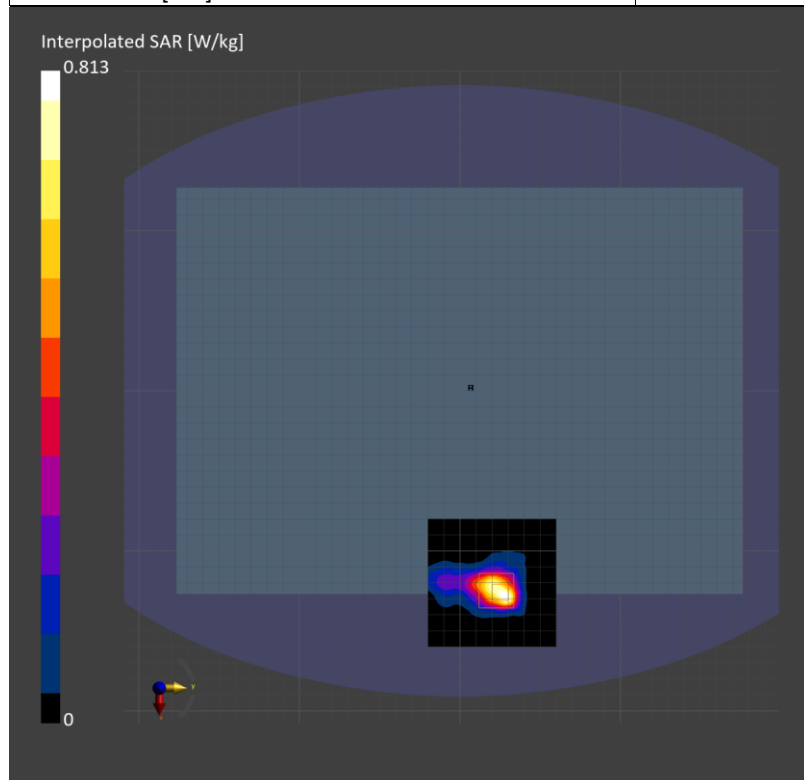
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.566	0.639
psSAR8g [W/kg]	0.229	0.217
psSAR10g [W/kg]	0.202	0.186
Power Drift [dB]	0.04	0.04
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		4.9



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ID: 013

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.9G\_Body\_Bottom Surface\_CH 163\_0mm\_Aux

Ambient temperature: 22.4°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	5815.0, 163	5.20	5.160	34.207

**Hardware Setup**

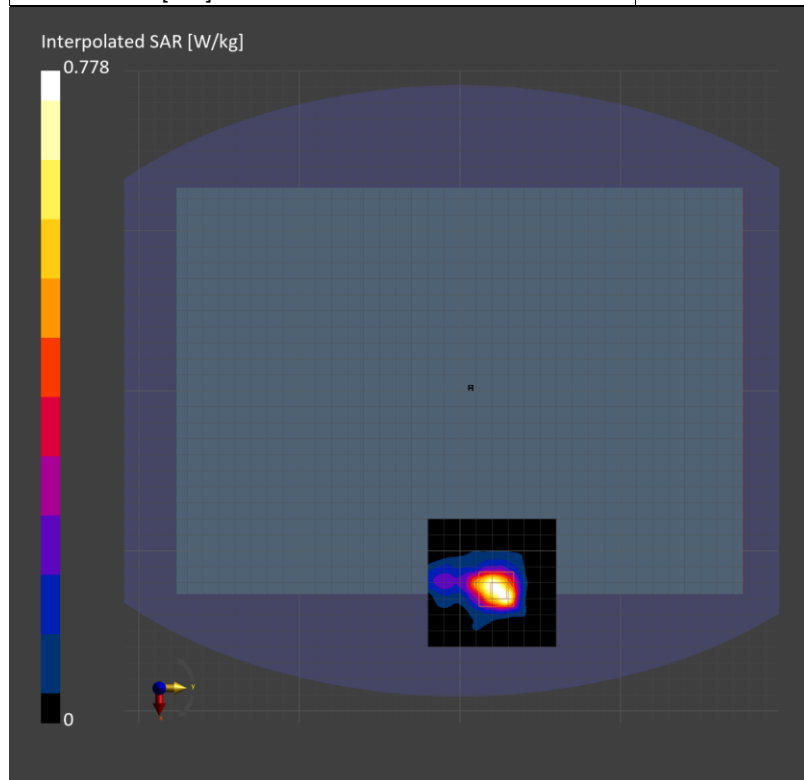
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.571	0.791
psSAR8g [W/kg]	0.234	0.292
psSAR10g [W/kg]	0.207	0.254
Power Drift [dB]	0.03	0.05
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		5.4



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ID: 014

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11b\_Body\_Back Surface\_CH 13\_0mm\_Main

Ambient temperature: 22.8°C; Liquid temperature: 21.3°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	2472.0, 13	7.45	1.807	38.096

**Hardware Setup**

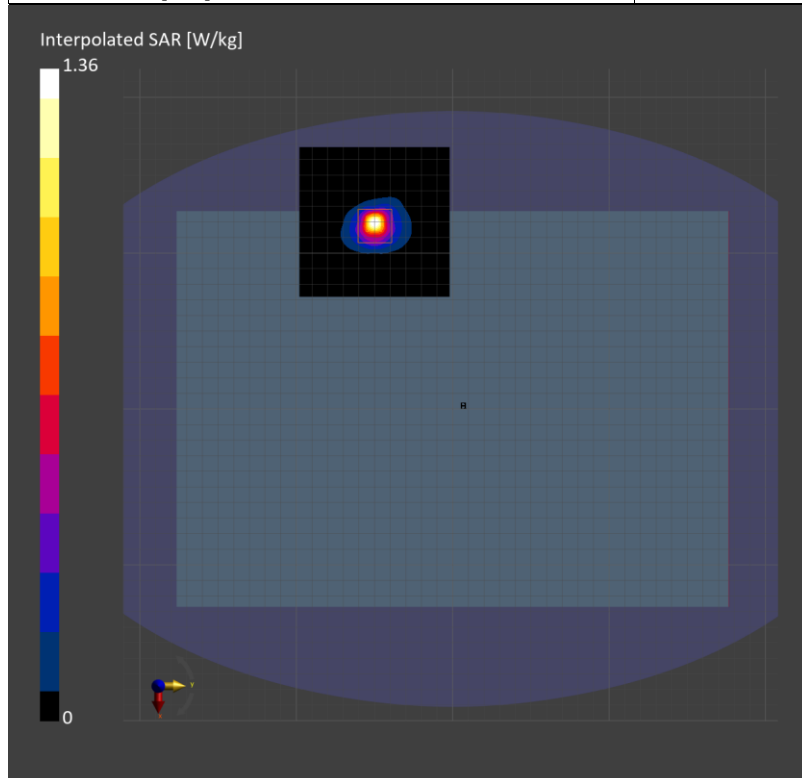
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 96.0	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	2024-09-19	2024-09-19
psSAR1g [W/kg]	0.894	0.915
psSAR8g [W/kg]	0.384	0.386
psSAR10g [W/kg]	0.339	0.341
Power Drift [dB]	0.05	0.02
M2/M1 [%]		52.1
Dist 3dB Peak [mm]		6.8



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ID: 015

Report No. :TESA2409000536E5

Measurement Report \_WLAN 802.11ac(160M) 5.2G\_Body\_Back Surface\_CH 50\_0mm\_Main

Ambient temperature: 22.4°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	Back Surface, 0.00	5250.0, 50	5.62	4.592	34.853

**Hardware Setup**

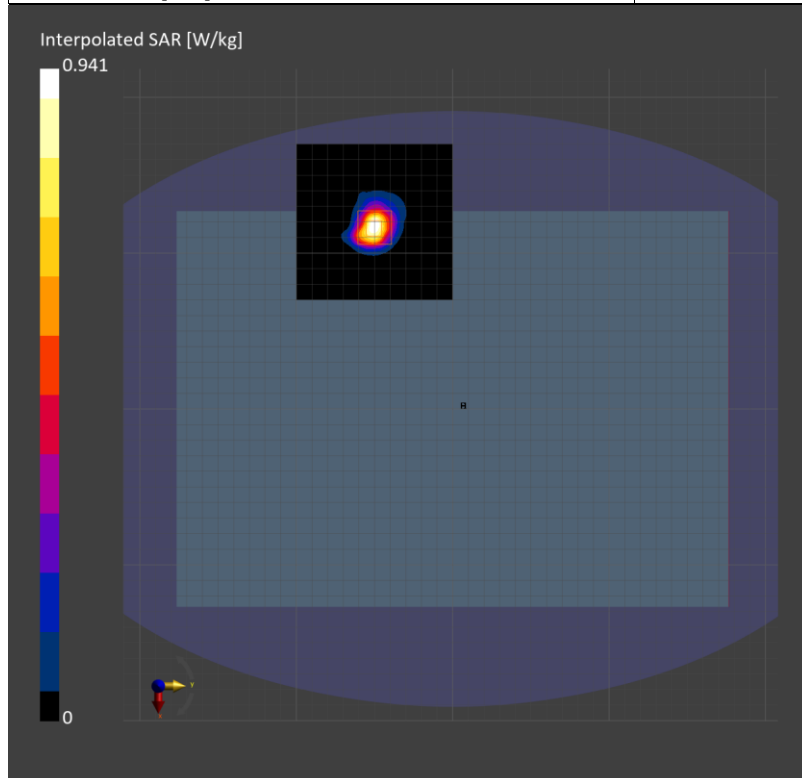
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

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

**Measurement Results**

	Area Scan	Zoom Scan
Date	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.666	0.734
psSAR8g [W/kg]	0.259	0.268
psSAR10g [W/kg]	0.228	0.235
Power Drift [dB]	-0.04	0.03
M2/M1 [%]		52.8
Dist 3dB Peak [mm]		5.4



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ID: 016

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(80M) 5.3G\_Body\_Back Surface\_CH 58\_0mm\_Main

Ambient temperature: 22.4°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	Back Surface, 0.00	5290.0, 58	5.62	4.632	34.807

**Hardware Setup**

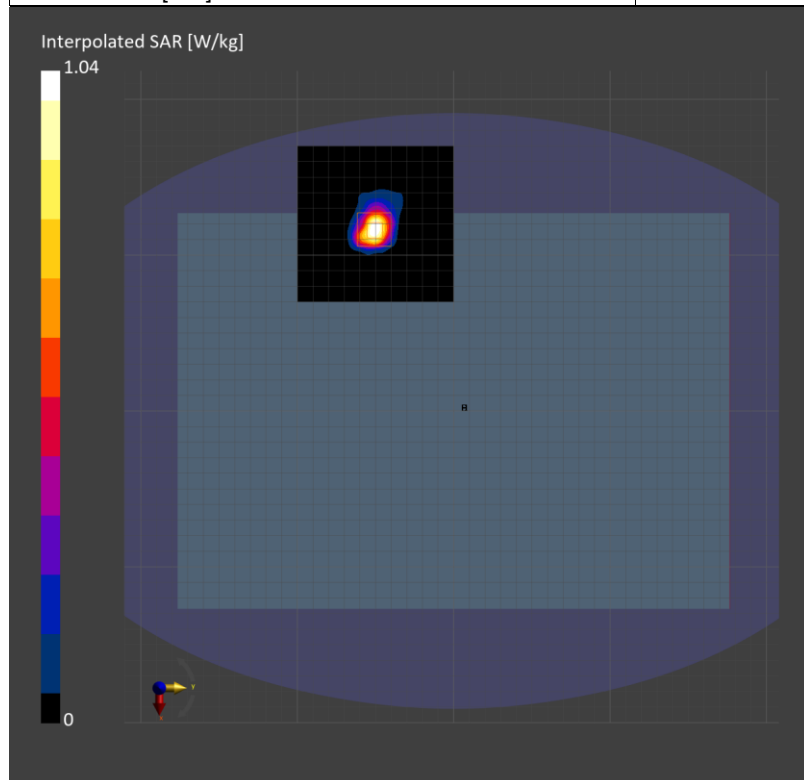
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.750	0.835
psSAR8g [W/kg]	0.284	0.301
psSAR10g [W/kg]	0.247	0.264
Power Drift [dB]	-0.04	-0.03
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		5.4



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ID: 017

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.6G\_Body\_Back Surface\_CH 114\_0mm\_Main

Ambient temperature: 22.4°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	Back Surface, 0.00	5570.0, 114	5.13	4.914	34.487

**Hardware Setup**

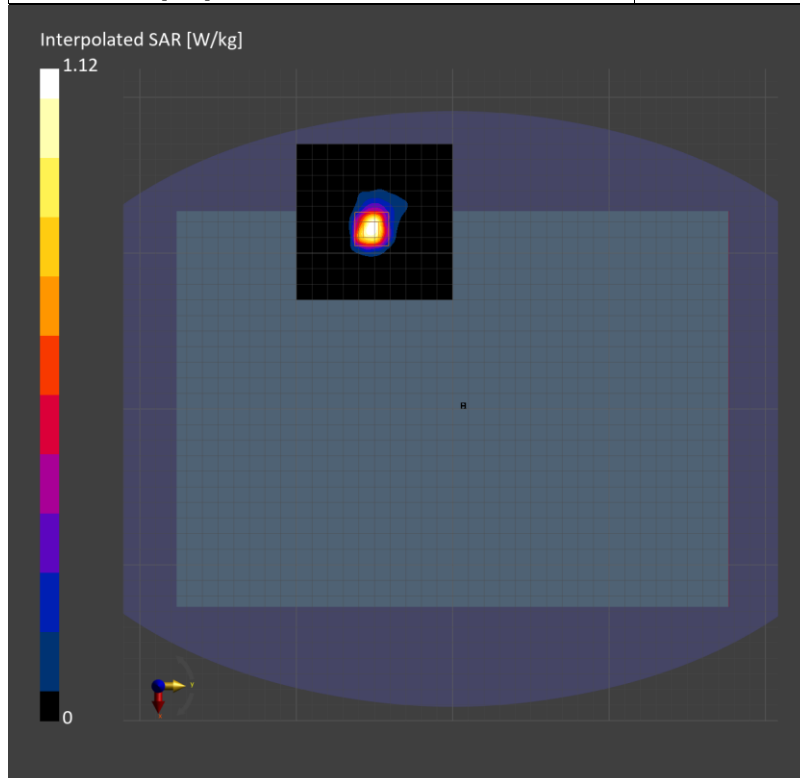
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.822	1.02
psSAR8g [W/kg]	0.306	0.327
psSAR10g [W/kg]	0.265	0.280
Power Drift [dB]	0.02	0.04
M2/M1 [%]		54.3
Dist 3dB Peak [mm]		5.7



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ID: 018

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(80M) 5.8G\_Body\_Back Surface\_CH 155\_0mm\_Main

Ambient temperature: 22.4°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	Back Surface, 0.00	5775.0, 155	5.21	5.120	34.253

**Hardware Setup**

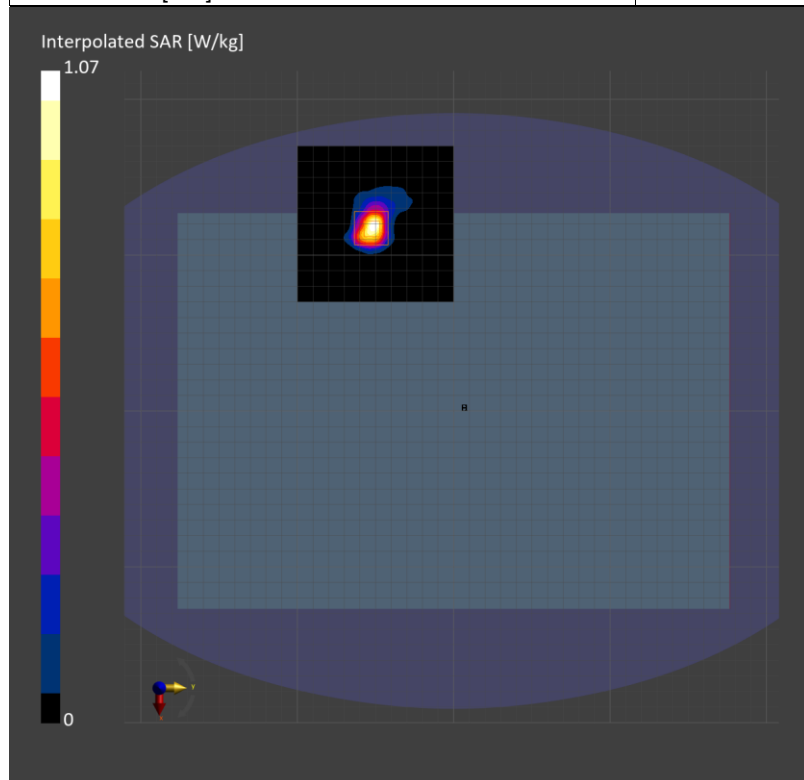
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

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

**Measurement Results**

	Area Scan	Zoom Scan
Date	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.731	0.952
psSAR8g [W/kg]	0.267	0.292
psSAR10g [W/kg]	0.232	0.252
Power Drift [dB]	0.02	0.01
M2/M1 [%]		57.9
Dist 3dB Peak [mm]		4.1



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ID: 019

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.9G\_Body\_Back Surface\_CH 163\_0mm\_Main

Ambient temperature: 22.4°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	Back Surface, 0.00	5815.0, 163	5.20	5.160	34.207

**Hardware Setup**

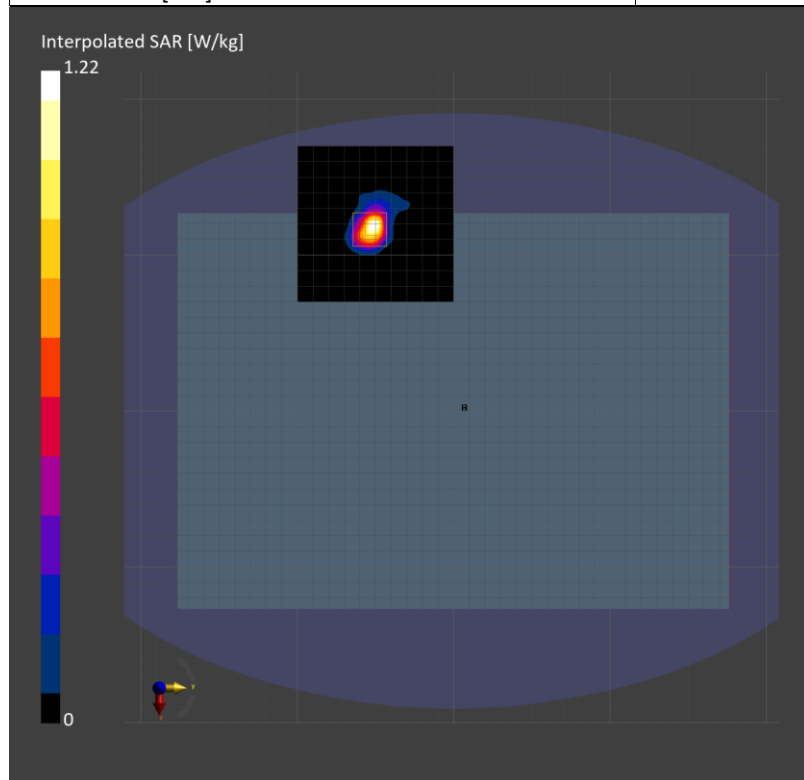
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.826	1.04
psSAR8g [W/kg]	0.296	0.323
psSAR10g [W/kg]	0.256	0.279
Power Drift [dB]	-0.01	0.04
M2/M1 [%]		56.6
Dist 3dB Peak [mm]		4.9



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ID: 020

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11b\_Body\_Back Surface\_CH 13\_0mm\_Aux

Ambient temperature: 22.8°C; Liquid temperature: 21.3°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	2472.0, 13	7.45	1.807	38.096

**Hardware Setup**

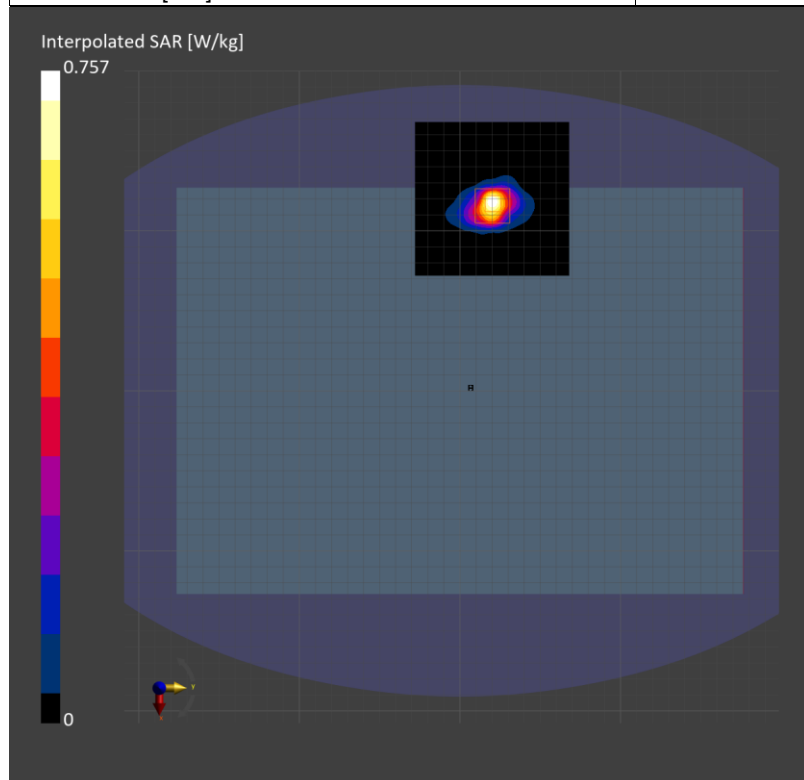
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 96.0	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	2024-09-19	2024-09-19
psSAR1g [W/kg]	0.559	0.626
psSAR8g [W/kg]	0.265	0.264
psSAR10g [W/kg]	0.236	0.233
Power Drift [dB]	0.05	0.04
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		6.8



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ID: 021

Report No. :TESA2409000536E5

Measurement Report\_Bluetooth(GFSK)\_Body\_Back Surface\_CH 78\_0mm\_Aux

Ambient temperature: 22.8°C; Liquid temperature: 21.3°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	2480.0, 78	7.45	1.814	38.086

**Hardware Setup**

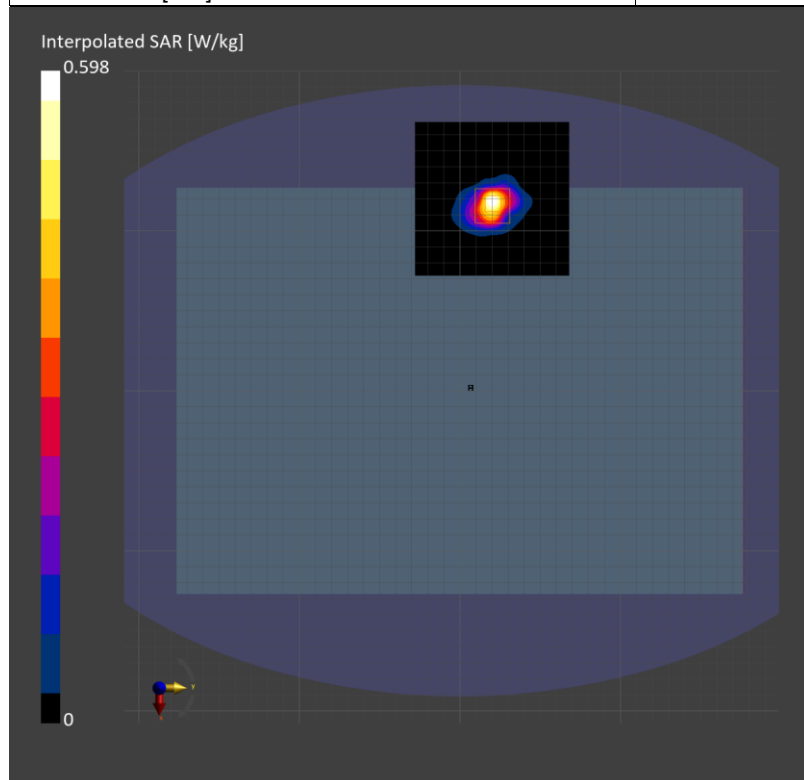
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

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

**Measurement Results**

	Area Scan	Zoom Scan
Date	2024-09-19	2024-09-19
psSAR1g [W/kg]	0.436	0.487
psSAR8g [W/kg]	0.205	0.204
psSAR10g [W/kg]	0.183	0.180
Power Drift [dB]	0.04	0.02
M2/M1 [%]		51.2
Dist 3dB Peak [mm]		5.9



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ID: 022

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.2G\_Body\_Bottom Edge\_CH 50\_0mm\_Aux

Ambient temperature: 22.4°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 Edge, 0.00	5250.0, 50	5.62	4.592	34.853

**Hardware Setup**

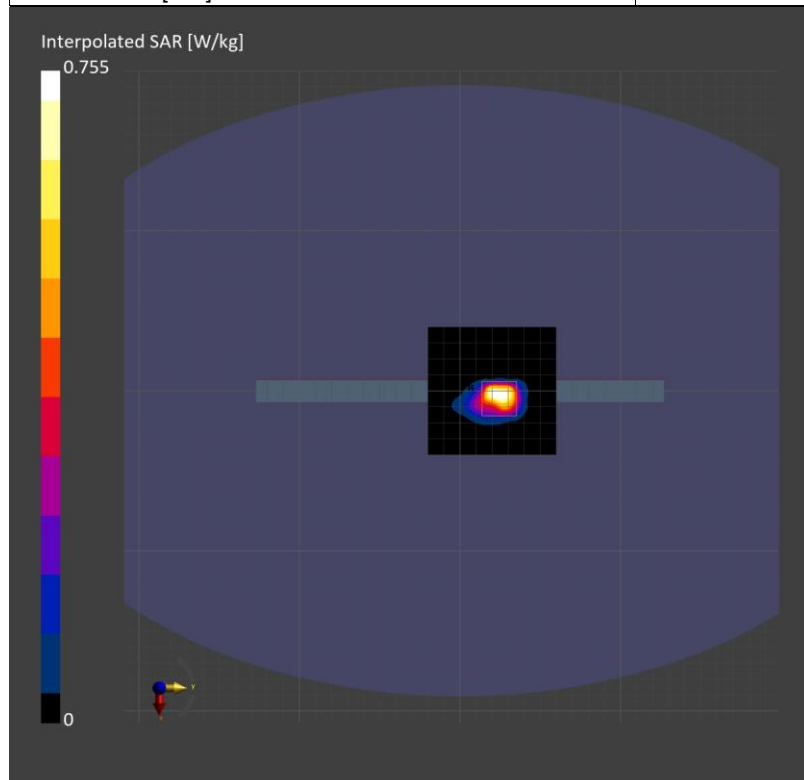
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.529	0.665
psSAR8g [W/kg]	0.195	0.199
psSAR10g [W/kg]	0.170	0.166
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		54.0
Dist 3dB Peak [mm]		4.1



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ID: 023

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(80M) 5.3G\_Body\_Bottom Edge\_CH 58\_0mm\_Aux

Ambient temperature: 22.4°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 Edge, 0.00	5290.0, 58	5.62	4.632	34.807

**Hardware Setup**

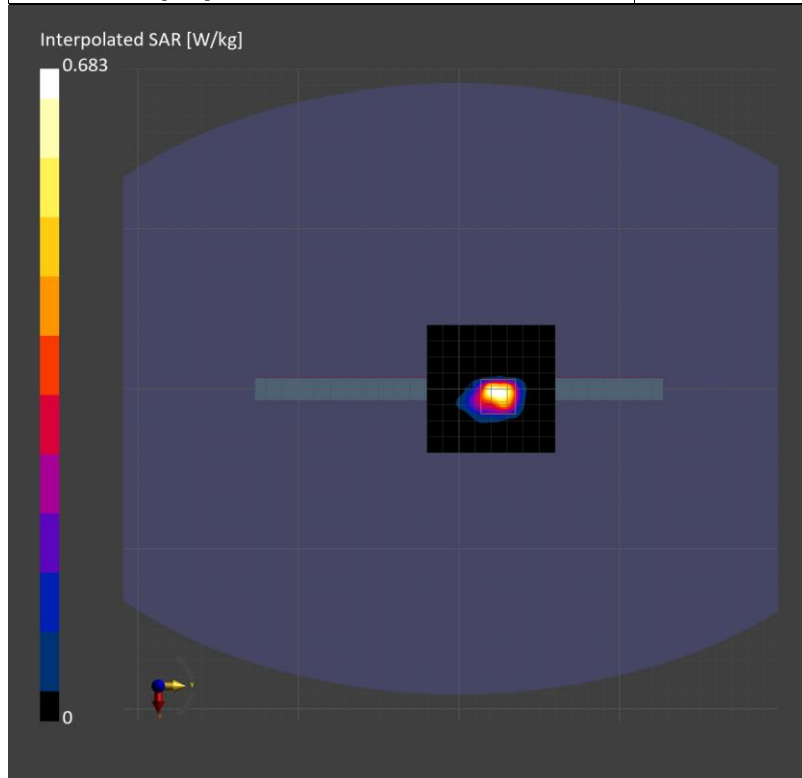
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.480	0.587
psSAR8g [W/kg]	0.176	0.172
psSAR10g [W/kg]	0.152	0.144
Power Drift [dB]	-0.05	-0.05
M2/M1 [%]		52.1
Dist 3dB Peak [mm]		4.1



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ID: 024

Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.6G\_Body\_Bottom Edge\_CH 114\_0mm\_Aux

Ambient temperature: 22.4°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 Edge, 0.00	5570.0, 114	5.13	4.914	34.487

**Hardware Setup**

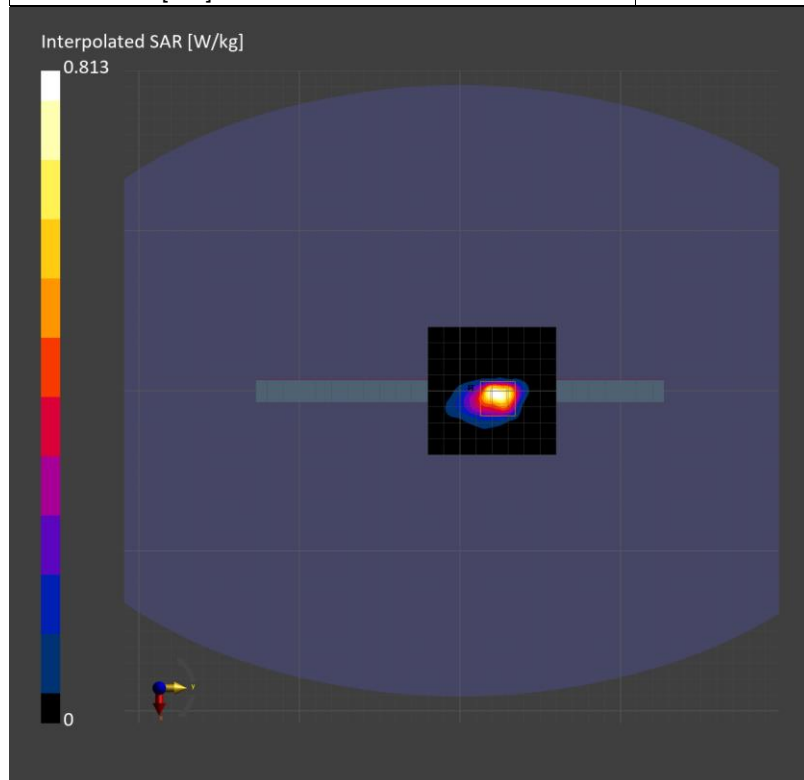
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

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

**Measurement Results**

	Area Scan	Zoom Scan
Date	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.564	0.647
psSAR8g [W/kg]	0.207	0.196
psSAR10g [W/kg]	0.181	0.166
Power Drift [dB]	-0.05	-0.04
M2/M1 [%]		53.5
Dist 3dB Peak [mm]		4.1



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Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(80M) 5.8G\_Body\_Bottom Edge\_CH 155\_0mm\_Aux

Ambient temperature: 22.4°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 Edge, 0.00	5775.0, 155	5.21	5.120	34.253

**Hardware Setup**

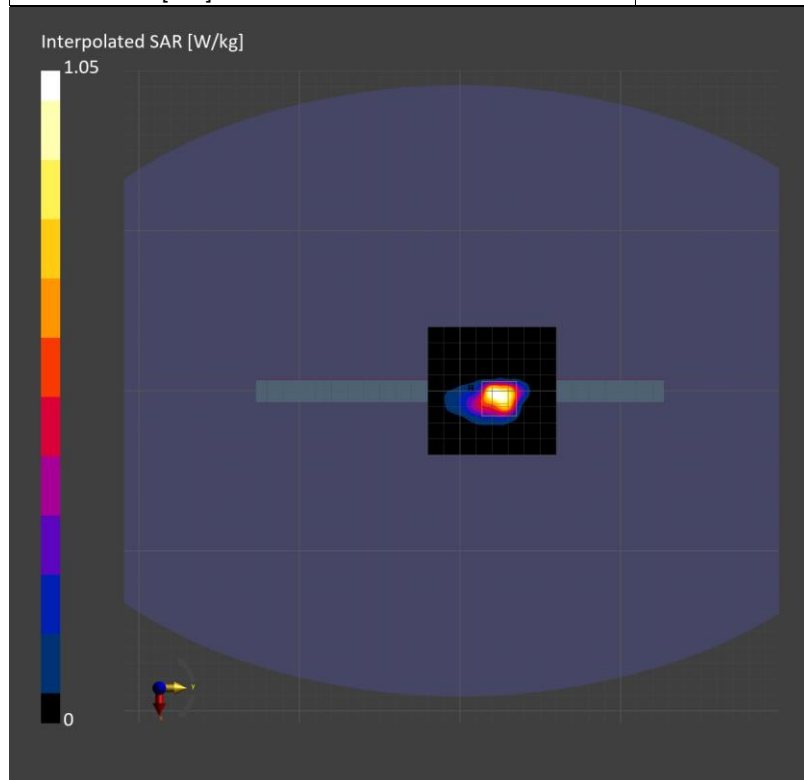
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

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

**Measurement Results**

	Area Scan	Zoom Scan
Date	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.753	0.920
psSAR8g [W/kg]	0.276	0.274
psSAR10g [W/kg]	0.239	0.230
Power Drift [dB]	-0.04	-0.05
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		4.1



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Report No. :TESA2409000536E5

Measurement Report\_WLAN 802.11ac(160M) 5.9G\_Body\_Bottom Edge\_CH 163\_0mm\_Aux

Ambient temperature: 22.4°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 Edge, 0.00	5815.0, 163	5.20	5.160	34.207

**Hardware Setup**

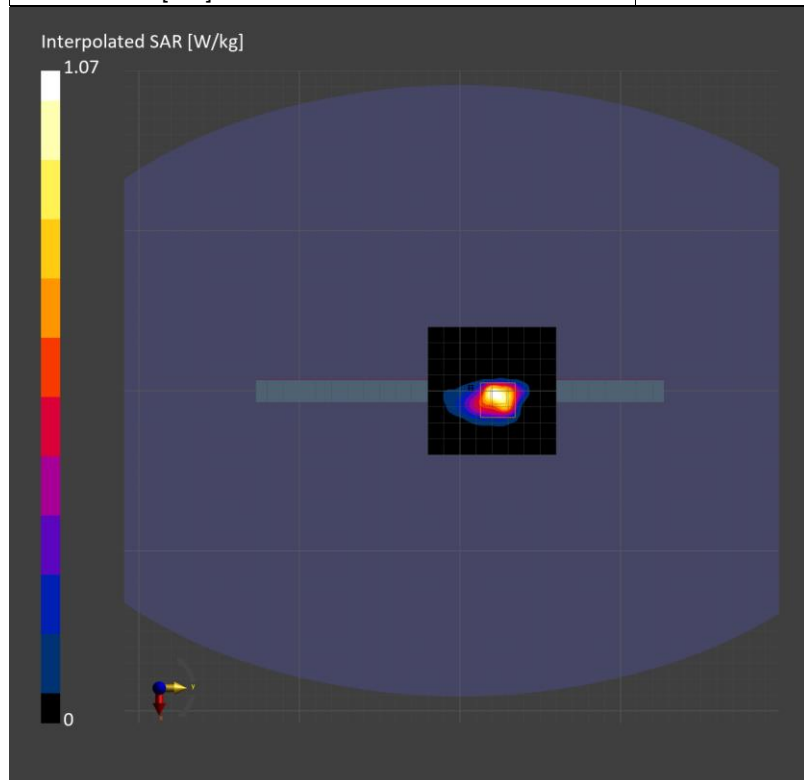
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

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

**Measurement Results**

	Area Scan	Zoom Scan
Date	2024-09-20	2024-09-20
psSAR1g [W/kg]	0.749	0.897
psSAR8g [W/kg]	0.278	0.284
psSAR10g [W/kg]	0.241	0.242
Power Drift [dB]	-0.02	-0.04
M2/M1 [%]		61.9
Dist 3dB Peak [mm]		4.7



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Report No. :TESA2409000536E5

Measurement Report\_NFC\_Body\_Bottom Surface\_CH 13\_0mm

Ambient temperature: 22.1°C; Liquid temperature: 21.0°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	13.56, 13	18.48	0.721	55.087

**Hardware Setup**

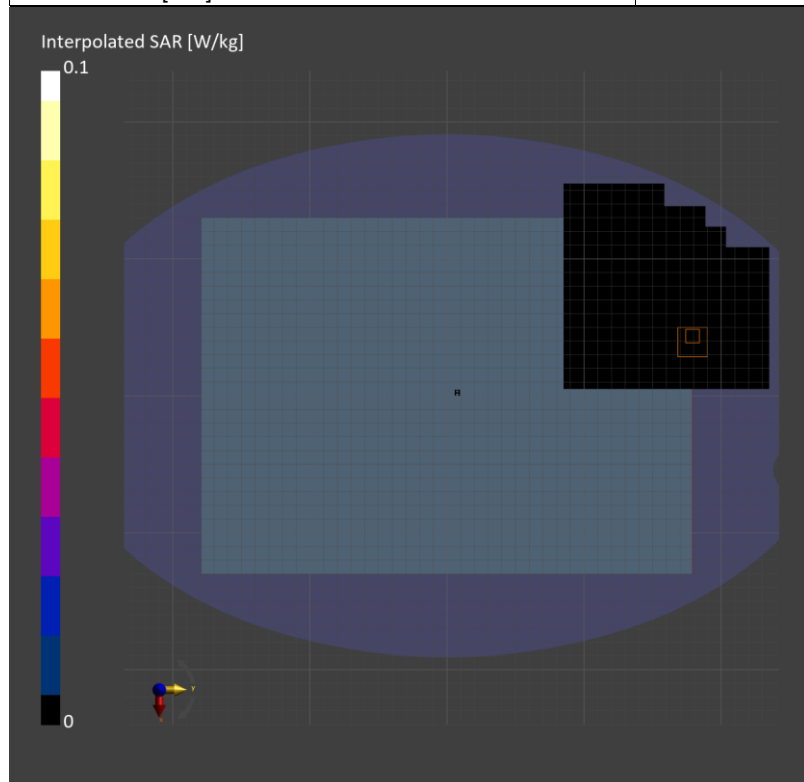
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2024-01-22	DAE4 Sn547, 2024-01-18

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	135.0 x 150.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

**Measurement Results**

	Area Scan	Zoom Scan
Date	2024-09-18	2024-09-18
psSAR1g [W/kg]	0.002	0.001
psSAR8g [W/kg]	0.001	0.001
psSAR10g [W/kg]	0.001	0.001
Power Drift [dB]	0.04	-0.02
M2/M1 [%]		54.0
Dist 3dB Peak [mm]		8.2



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Report No. : TESA2409000536E5

Measurement Report\_NFC\_Body\_Back Surface\_CH 13\_0mm

Ambient temperature: 22.1°C; Liquid temperature: 21.0°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	13.56, 13	18.48	0.721	55.087

**Hardware Setup**

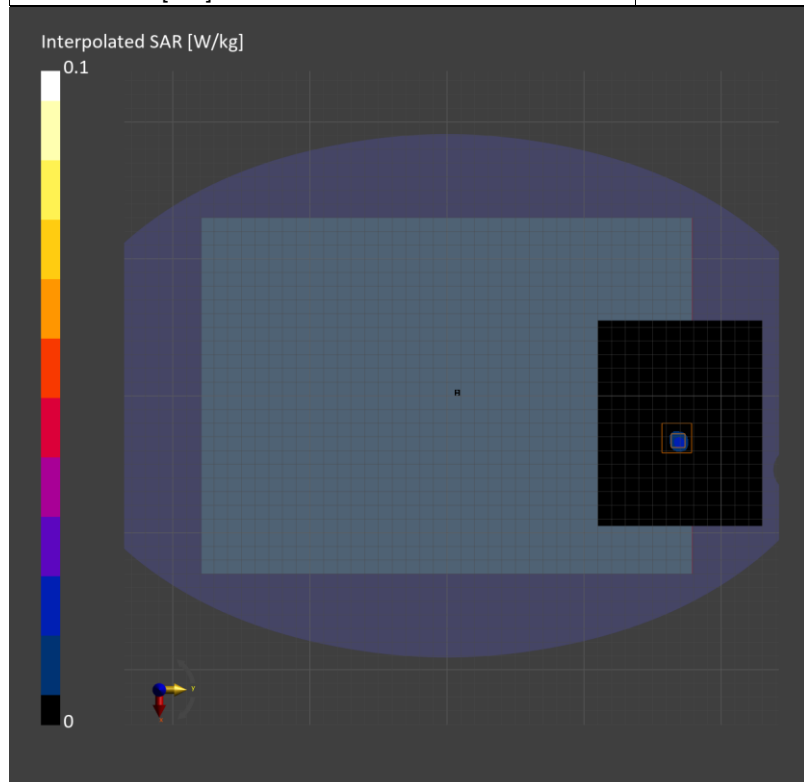
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2024-01-22	DAE4 Sn547, 2024-01-18

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	150.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

**Measurement Results**

	Area Scan	Zoom Scan
Date	2024-09-18	2024-09-18
psSAR1g [W/kg]	0.015	0.010
psSAR8g [W/kg]	0.008	0.002
psSAR10g [W/kg]	0.007	0.002
Power Drift [dB]	-0.03	0.04
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		8.2



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ID: 029

Report No. :TESA2409000536E5

Measurement Report\_U-NII-5 6.2GHz 802.11be(320M)\_Body\_Bottom Surface\_CH 31\_0mm\_Main

Ambient temperature: 22.5°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	6105.0, 31	5.38	5.453	33.869

**Hardware Setup**

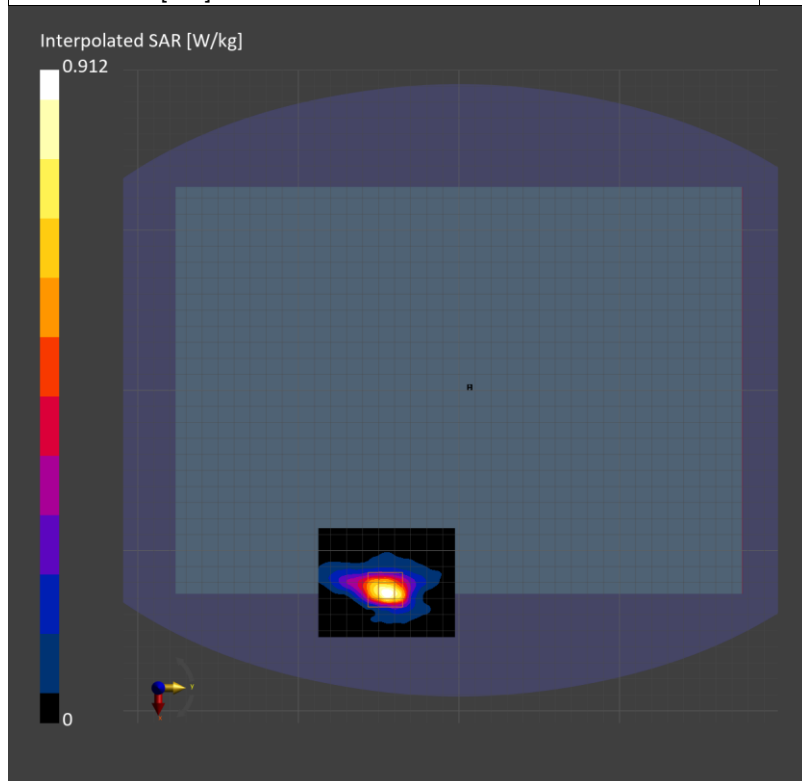
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.648	0.690
psSAR8g [W/kg]	0.243	0.253
psSAR10g [W/kg]	0.213	0.223
psPDab (4.0cm2, sq) [W/m2]		5.06
Power Drift [dB]	0.04	0.03
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		6.5



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ID: 030

Report No. :TESA2409000536E5

Measurement Report\_U-NII-6 6.5GHz 802.11be(320M)\_Body\_Bottom Surface\_CH 95\_0mm\_Main

Ambient temperature: 22.5°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	6425.0, 95	5.38	5.781	33.485

**Hardware Setup**

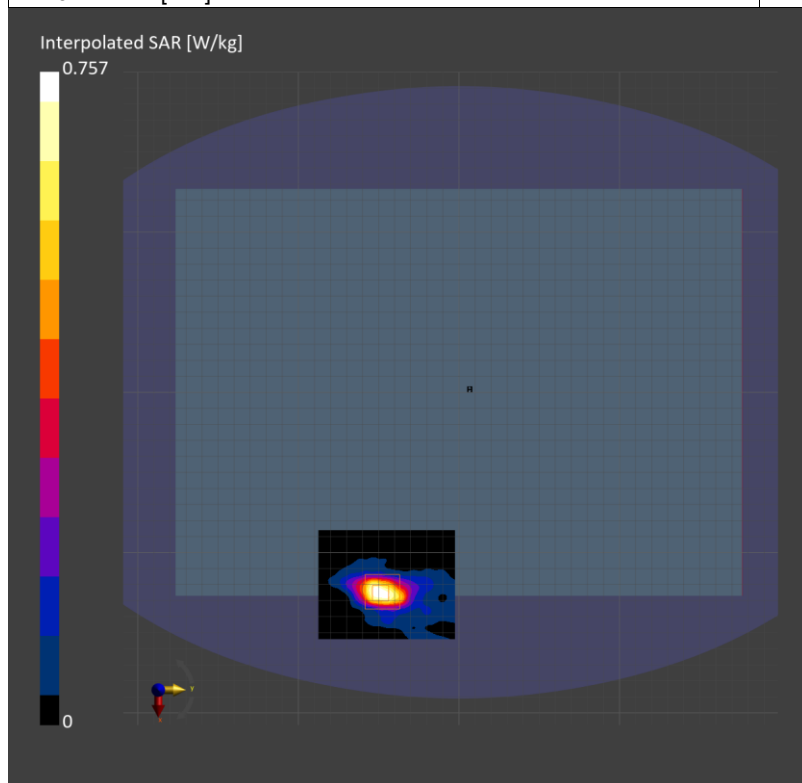
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.593	0.639
psSAR8g [W/kg]	0.220	0.233
psSAR10g [W/kg]	0.192	0.206
psPDab (4.0cm2, sq) [W/m2]		4.66
Power Drift [dB]	-0.01	0.04
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		6.5



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ID: 031

Report No. :TESA2409000536E5

Measurement Report\_U-NII-7 6.7GHz 802.11be(320M)\_Body\_Bottom Surface\_CH 159\_0mm\_Main

Ambient temperature: 22.5°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	6745.0, 159	5.38	6.113	33.101

**Hardware Setup**

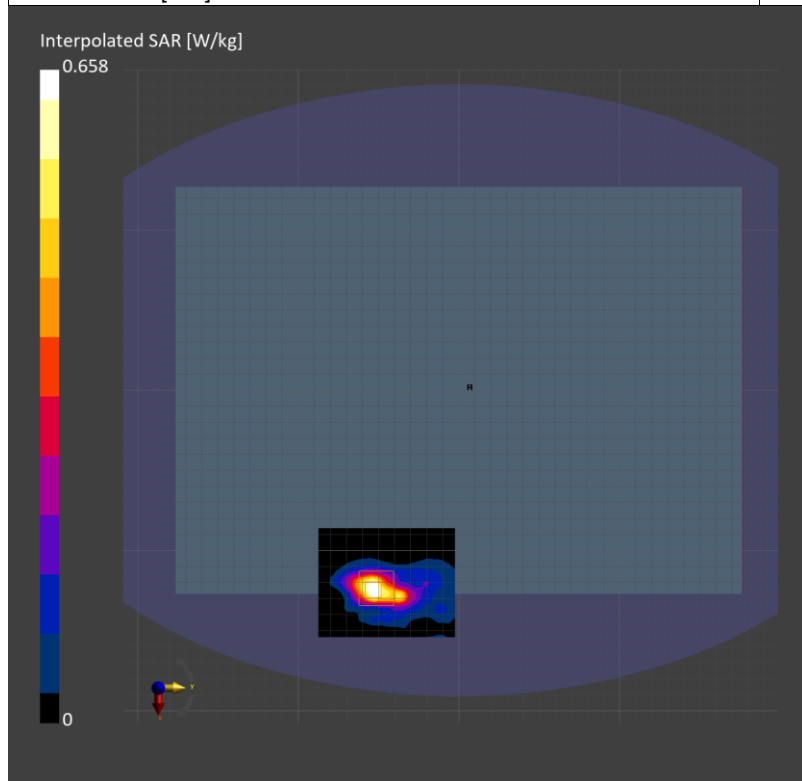
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.529	0.580
psSAR8g [W/kg]	0.196	0.196
psSAR10g [W/kg]	0.172	0.167
psPDab (4.0cm2, sq) [W/m2]		3.92
Power Drift [dB]	-0.04	0.05
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		6.1



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ID: 032

Report No. :TESA2409000536E5

Measurement Report\_U-NII-8 7.0GHz 802.11be(320M)\_Body\_Bottom Surface\_CH 191\_0mm\_Main

Ambient temperature: 22.5°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	6905.0, 191	5.66	6.281	32.909

**Hardware Setup**

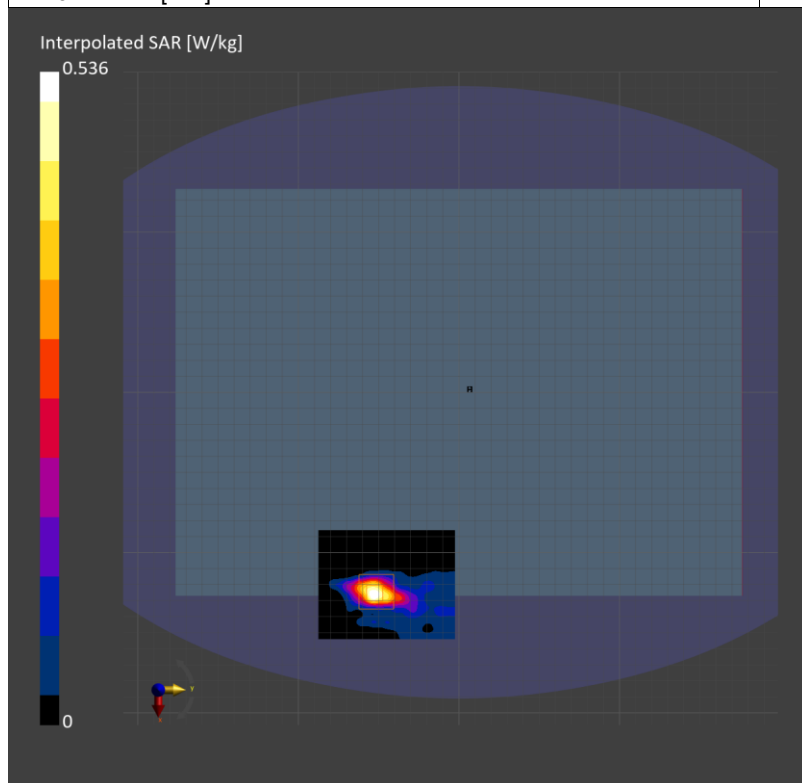
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.426	0.458
psSAR8g [W/kg]	0.146	0.155
psSAR10g [W/kg]	0.126	0.135
psPDab (4.0cm2, sq) [W/m2]		3.09
Power Drift [dB]	0.04	0.02
M2/M1 [%]		56.0
Dist 3dB Peak [mm]		6.2



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ID: 033

Report No. :TESA2409000536E5

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Bottom Surface\_CH 63\_0mm\_Aux

Ambient temperature: 22.5°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	6265.0, 63	5.38	5.617	33.677

**Hardware Setup**

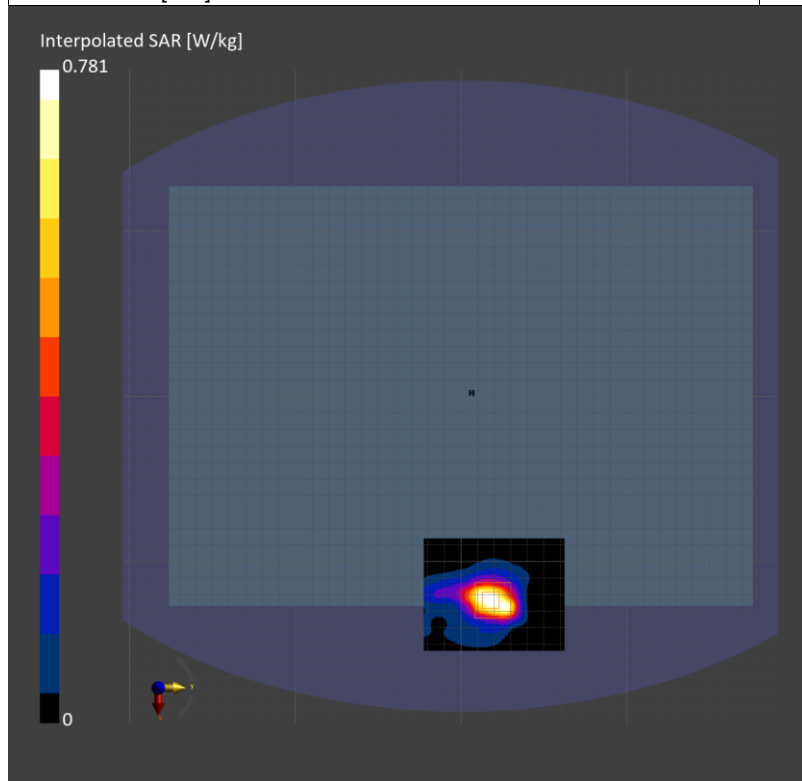
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.602	0.805
psSAR8g [W/kg]	0.247	0.289
psSAR10g [W/kg]	0.219	0.245
psPDab (4.0cm2, sq) [W/m2]		5.78
Power Drift [dB]	0.04	0.03
M2/M1 [%]		53.7
Dist 3dB Peak [mm]		6.8



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ID: 034

Report No. :TESA2409000536E5

Measurement Report\_U-NII-6 6.5GHz 802.11be(320M)\_Body\_Bottom Surface\_CH 95\_0mm\_Aux

Ambient temperature: 22.5°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	6425.0, 95	5.38	5.781	33.485

**Hardware Setup**

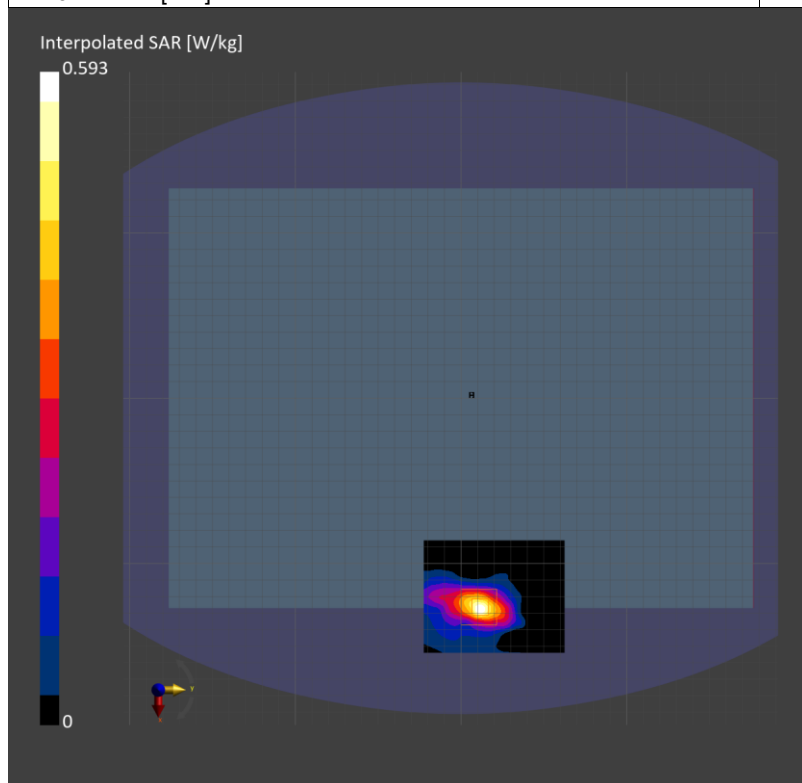
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.428	0.454
psSAR8g [W/kg]	0.164	0.169
psSAR10g [W/kg]	0.145	0.150
psPDab (4.0cm2, sq) [W/m2]		3.39
Power Drift [dB]	0.05	0.01
M2/M1 [%]		51.3
Dist 3dB Peak [mm]		6.7



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ID: 035

Report No. :TESA2409000536E5

Measurement ReportU-NII-7 6.7GHz 802.11be(320M)\_Body\_Bottom Surface\_CH 159\_0mm\_Aux

Ambient temperature: 22.5°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	6745.0, 159	5.38	6.113	33.101

**Hardware Setup**

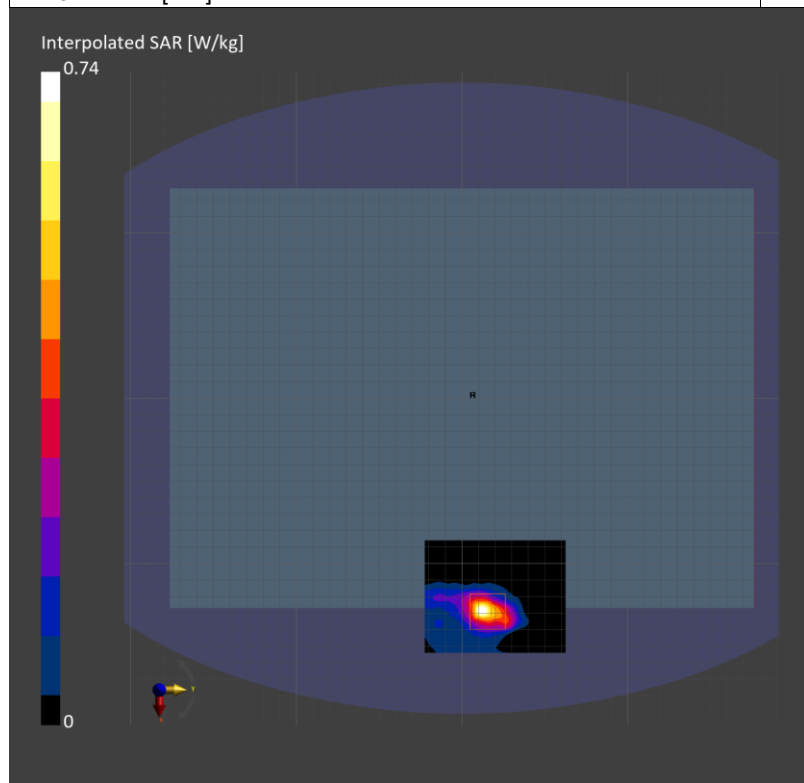
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.514	0.553
psSAR8g [W/kg]	0.182	0.195
psSAR10g [W/kg]	0.161	0.171
psPDab (4.0cm2, sq) [W/m2]		3.90
Power Drift [dB]	0.05	0.04
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		7.0



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ID: 036

Report No. :TESA2409000536E5

Measurement Report\_U-NII-8 7.0GHz 802.11be(320M)\_Body\_Bottom Surface\_CH 191\_0mm\_Aux

Ambient temperature: 22.5°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	6905.0, 191	5.66	6.281	32.909

**Hardware Setup**

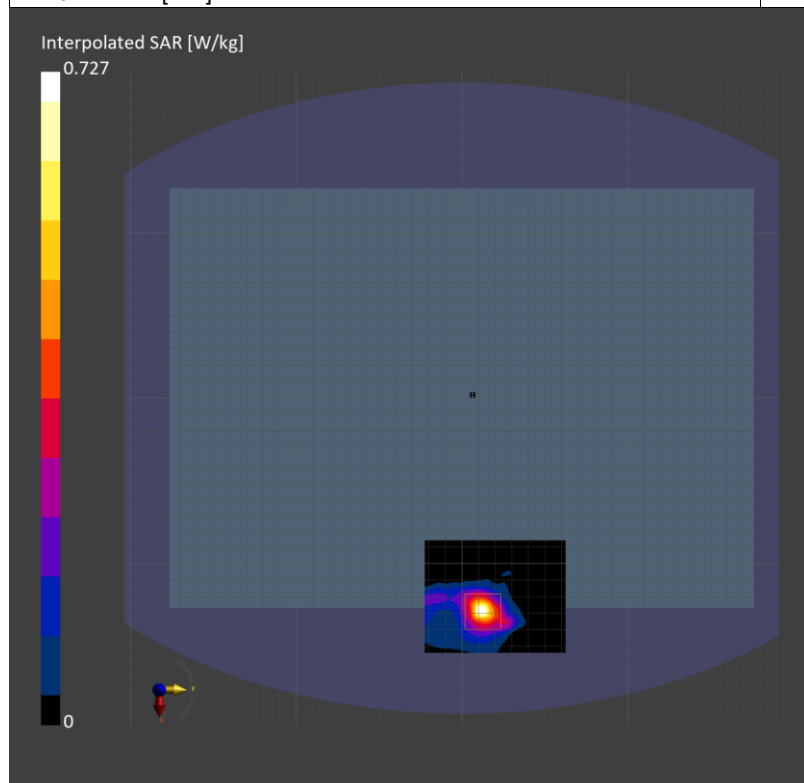
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.518	0.596
psSAR8g [W/kg]	0.183	0.206
psSAR10g [W/kg]	0.161	0.180
psPDab (4.0cm2, sq) [W/m2]		4.12
Power Drift [dB]	0.05	0.03
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		7.0



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ID: 037

Report No. :TESA2409000536E5

Measurement Report\_U-NII-5 6.2GHz 802.11be(320M)\_Body\_Back Surface\_CH 31\_0mm\_Main

Ambient temperature: 22.5°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	Back Surface, 0.00	6105.0, 31	5.38	5.453	33.869

**Hardware Setup**

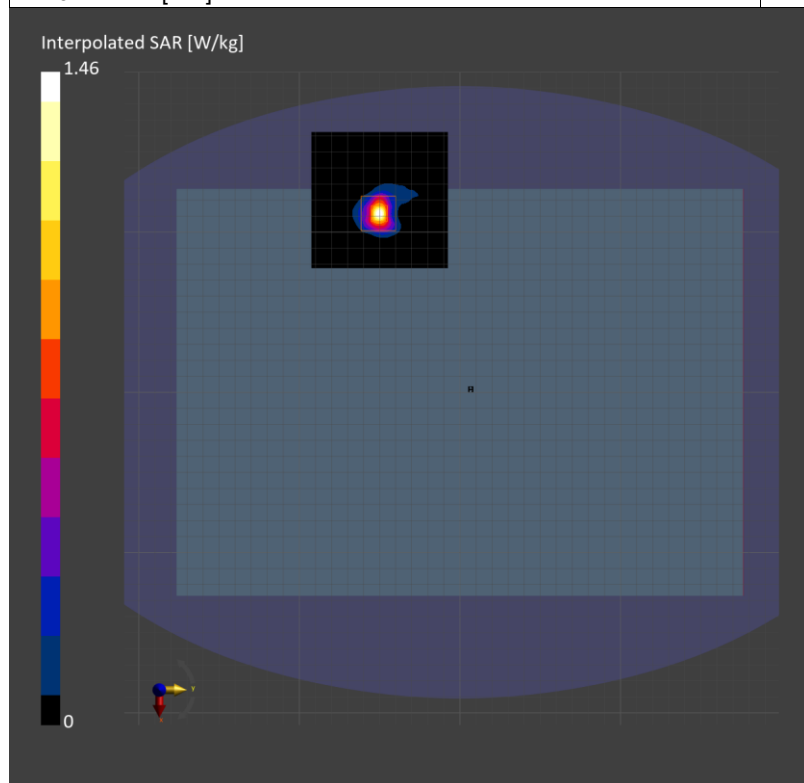
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.881	0.969
psSAR8g [W/kg]	0.281	0.279
psSAR10g [W/kg]	0.242	0.238
psPDab (4.0cm2, sq) [W/m2]		5.58
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		4.6



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ID: 038

Report No. :TESA2409000536E5

Measurement Report\_U-NII-6 6.5GHz 802.11be(320M)\_Body\_Back Surface\_CH 95\_0mm\_Main

Ambient temperature: 22.5°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	Back Surface, 0.00	6425.0, 95	5.38	5.781	33.485

**Hardware Setup**

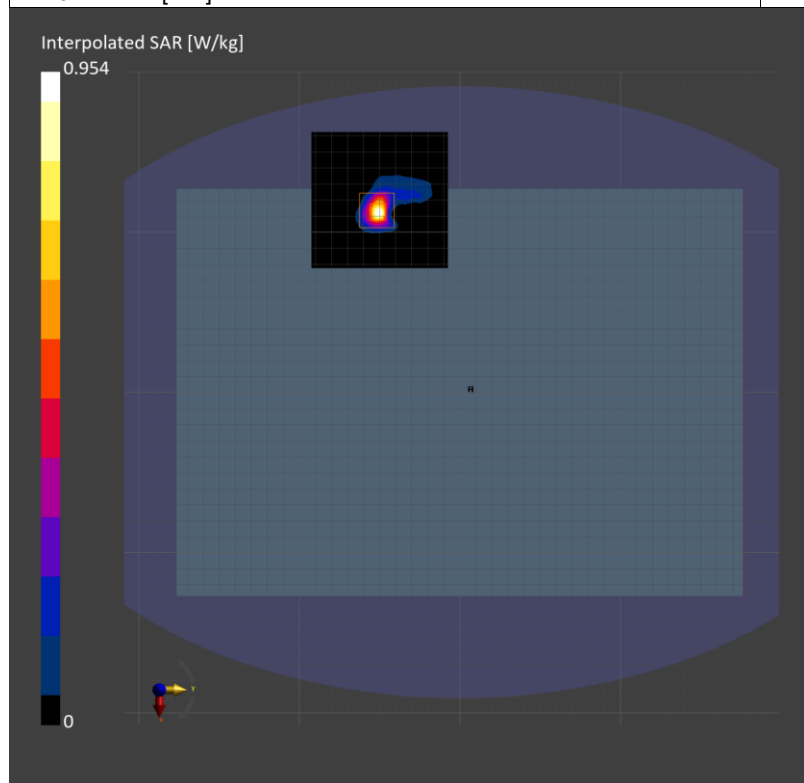
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.595	0.678
psSAR8g [W/kg]	0.178	0.187
psSAR10g [W/kg]	0.152	0.159
psPDab (4.0cm2, sq) [W/m2]		3.74
Power Drift [dB]	-0.04	0.05
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		4.2



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ID: 039

Report No. :TESA2409000536E5

Measurement Report\_U-NII-7 6.7GHz 802.11be(320M)\_Body\_Back Surface\_CH 159\_0mm\_Main

Ambient temperature: 22.5°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	Back Surface, 0.00	6745.0, 159	5.38	6.113	33.101

**Hardware Setup**

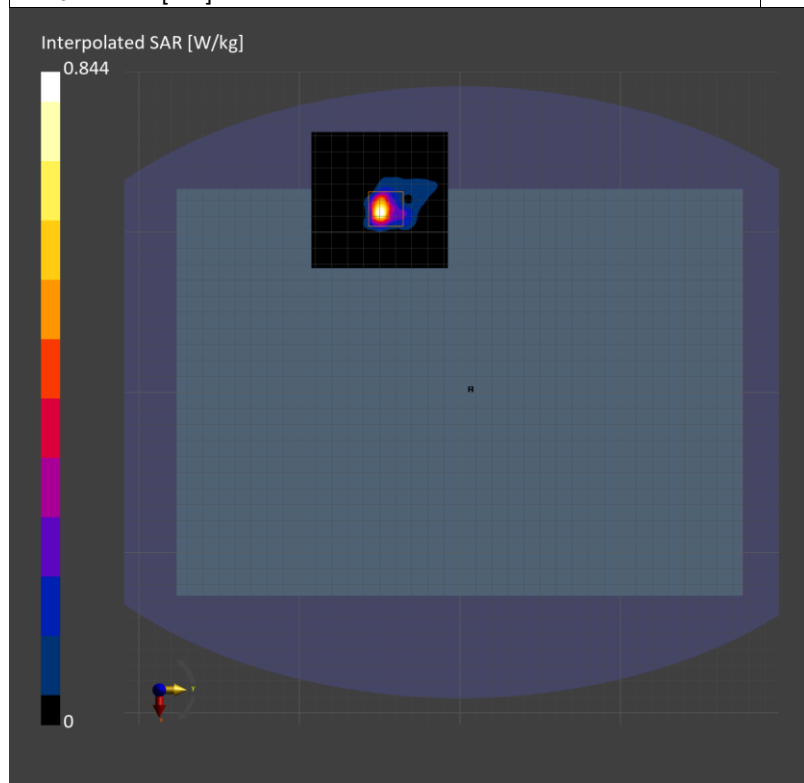
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.548	0.610
psSAR8g [W/kg]	0.164	0.164
psSAR10g [W/kg]	0.141	0.137
psPDab (4.0cm2, sq) [W/m2]		3.28
Power Drift [dB]	-0.04	-0.04
M2/M1 [%]		54.9
Dist 3dB Peak [mm]		4.6



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ID: 040

Report No. :TESA2409000536E5

Measurement Report\_U-NII-8 7.0GHz 802.11be(320M)\_Body\_Back Surface\_CH 191\_0mm\_Main

Ambient temperature: 22.5°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	Back Surface, 0.00	6905.0, 191	5.66	6.281	32.909

**Hardware Setup**

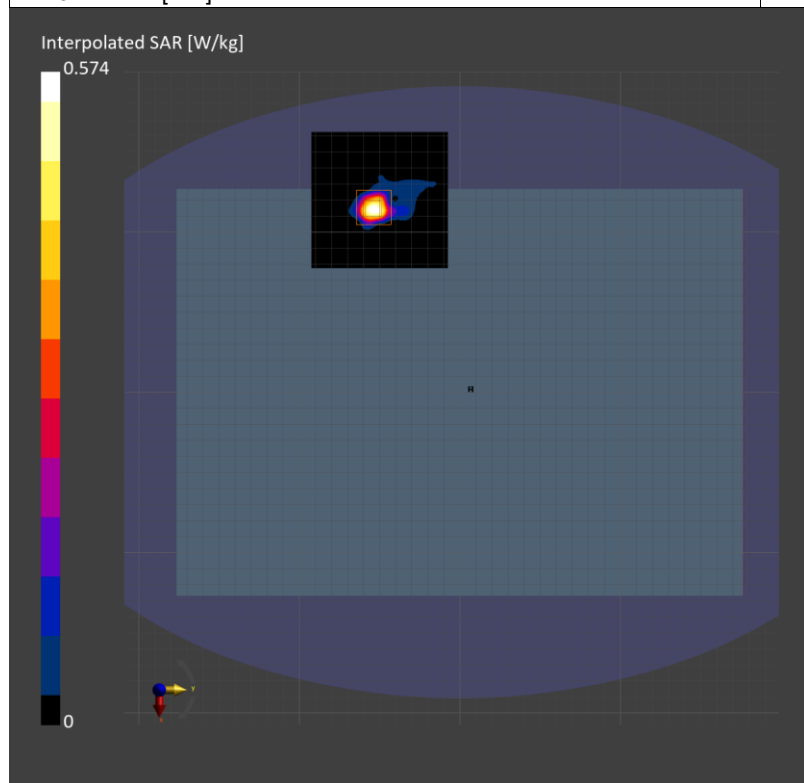
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.454	0.532
psSAR8g [W/kg]	0.137	0.138
psSAR10g [W/kg]	0.115	0.117
psPDab (4.0cm2, sq) [W/m2]		2.77
Power Drift [dB]	0.05	0.05
M2/M1 [%]		56.2
Dist 3dB Peak [mm]		4.4



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ID: 041

Report No. :TESA2409000536E5

Measurement Report\_U-NII-5 6.2GHz 802.11be(320M)\_Body\_Back Surface\_CH 63\_0mm\_Aux

Ambient temperature: 22.5°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	Back Surface, 0.00	6265.0, 63	5.38	5.617	33.677

**Hardware Setup**

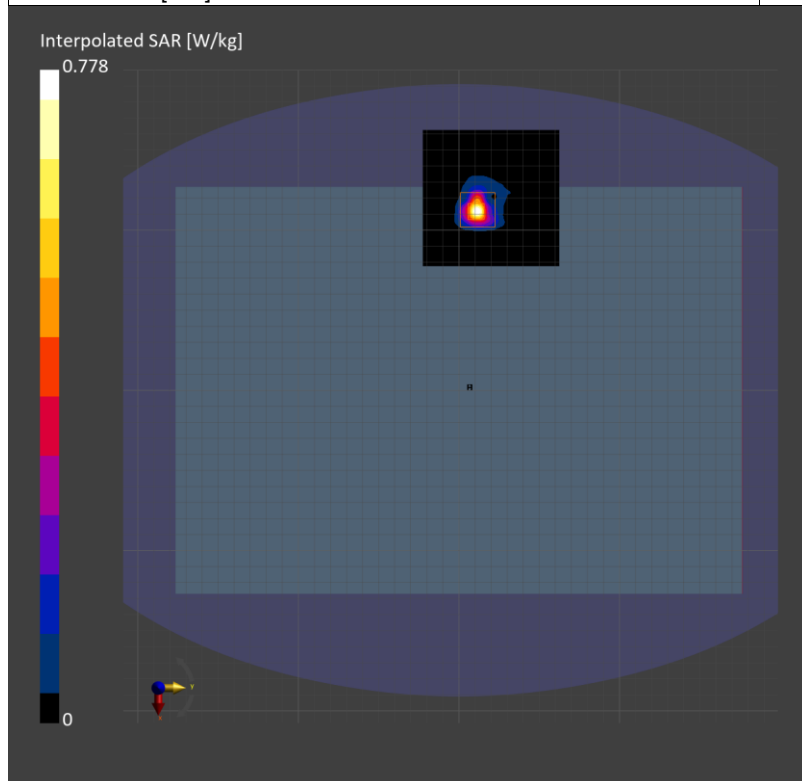
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.484	0.555
psSAR8g [W/kg]	0.146	0.158
psSAR10g [W/kg]	0.125	0.135
psPDab (4.0cm2, sq) [W/m2]		3.17
Power Drift [dB]	-0.03	0.05
M2/M1 [%]		55.2
Dist 3dB Peak [mm]		5.0



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ID: 042

Report No. :TESA2409000536E5

Measurement Report\_U-NII-6 6.5GHz 802.11be(320M)\_Body\_Back Surface\_CH 95\_0mm\_Aux

Ambient temperature: 22.5°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	Back Surface, 0.00	6425.0, 95	5.38	5.781	33.485

**Hardware Setup**

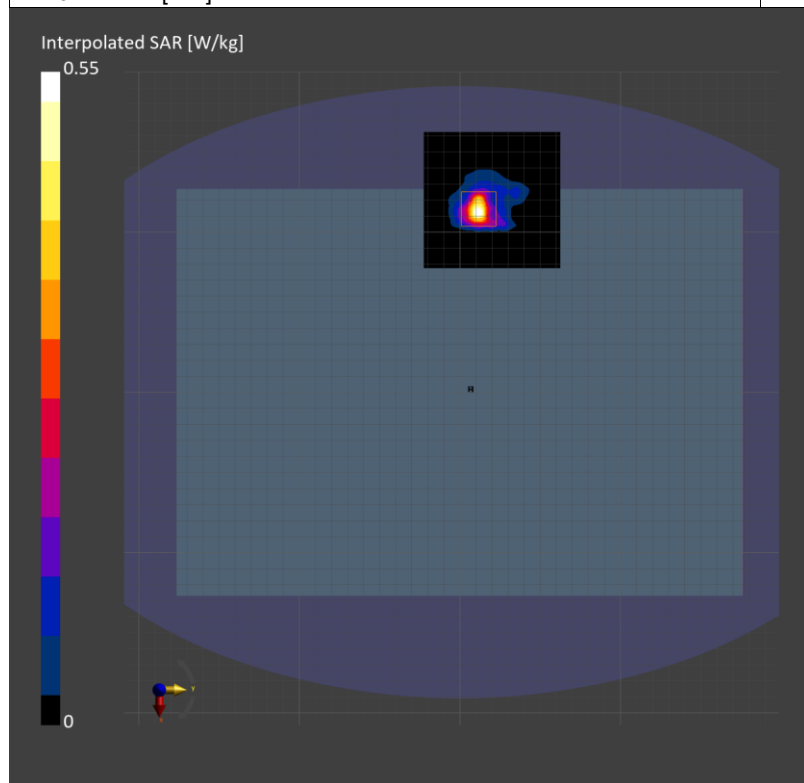
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.366	0.423
psSAR8g [W/kg]	0.121	0.121
psSAR10g [W/kg]	0.105	0.103
psPDab (4.0cm2, sq) [W/m2]		2.42
Power Drift [dB]	0.03	0.02
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		4.9



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ID: 043

Report No. :TESA2409000536E5

Measurement Report\_U-NII-7 6.7GHz 802.11be(320M)\_Body\_Back Surface\_CH 159\_0mm\_Aux

Ambient temperature: 22.5°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	Back Surface, 0.00	6745.0, 159	5.38	6.113	33.101

**Hardware Setup**

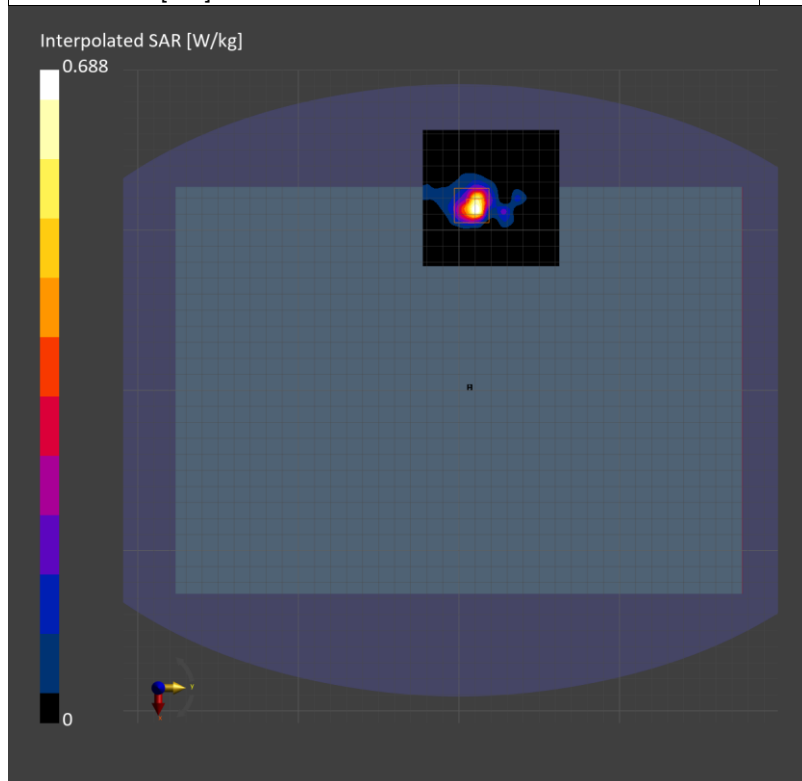
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.491	0.535
psSAR8g [W/kg]	0.157	0.156
psSAR10g [W/kg]	0.135	0.131
psPDab (4.0cm2, sq) [W/m2]		3.12
Power Drift [dB]	-0.04	0.05
M2/M1 [%]		54.5
Dist 3dB Peak [mm]		4.9



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ID: 044

Report No. :TESA2409000536E5

Measurement Report\_U-NII-8 7.0GHz 802.11be(320M)\_Body\_Back Surface\_CH 191\_0mm\_Aux

Ambient temperature: 22.5°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	Back Surface, 0.00	6905.0, 191	5.66	6.281	32.909

**Hardware Setup**

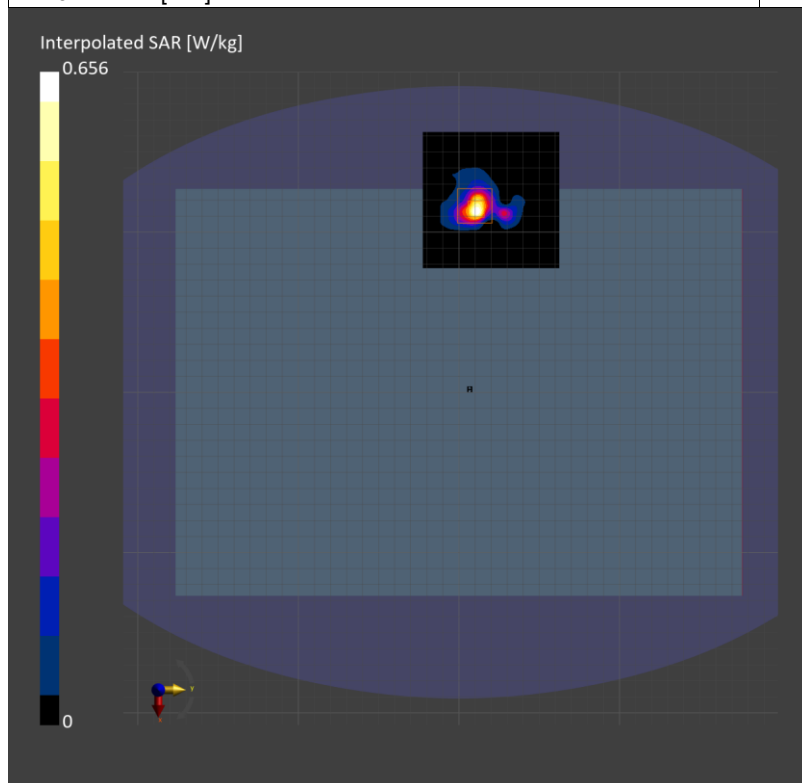
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	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	2024-09-21	2024-09-21
psSAR1g [W/kg]	0.478	0.511
psSAR8g [W/kg]	0.152	0.149
psSAR10g [W/kg]	0.131	0.126
psPDab (4.0cm2, sq) [W/m2]		2.98
Power Drift [dB]	-0.02	0.03
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		4.9



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## 13 PD MEASUREMENT RESULTS

ID: 067

Report No. :TESA2409000536E5

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 15\_2mm\_Main

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

### Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

### Hardware Setup

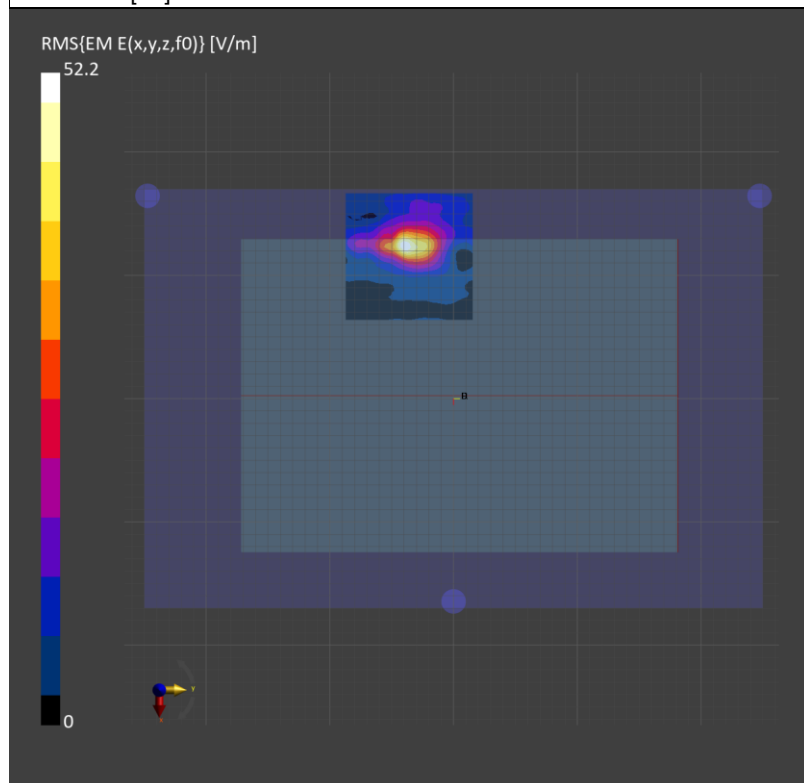
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

### 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
MAIA	Y

### Measurement Results

Scan Type	5G Scan
Date	2024-09-22
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.67
psPDtot+ [W/m <sup>2</sup> ]	2.10
psPDmod+ [W/m <sup>2</sup> ]	2.41
E <sub>max</sub> [V/m]	52.2
Power Drift [dB]	-0.04



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ID: 068

Report No. :TESA2409000536E5

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 79\_2mm\_Main

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

**Hardware Setup**

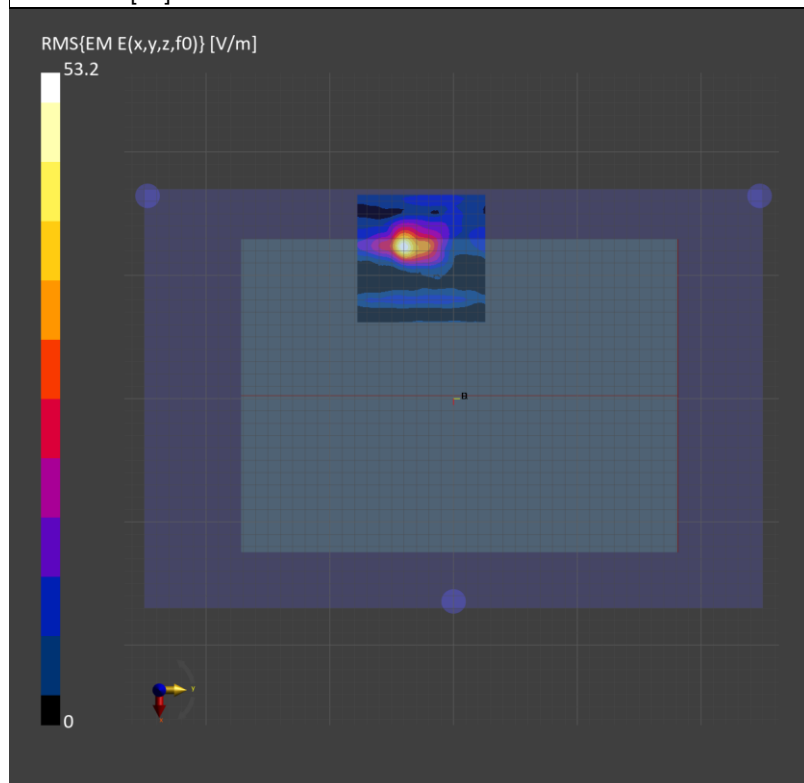
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

**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
MAIA	Y

**Measurement Results**

Scan Type	5G Scan
Date	2024-09-22
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	2.13
psPDtot+ [W/m <sup>2</sup> ]	2.60
psPDmod+ [W/m <sup>2</sup> ]	2.95
E <sub>max</sub> [V/m]	53.2
Power Drift [dB]	-0.04



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ID: 069

Report No. :TESA2409000536E5

Measurement Report\_U-NII-6 6.5GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 111\_2mm\_Main

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

**Hardware Setup**

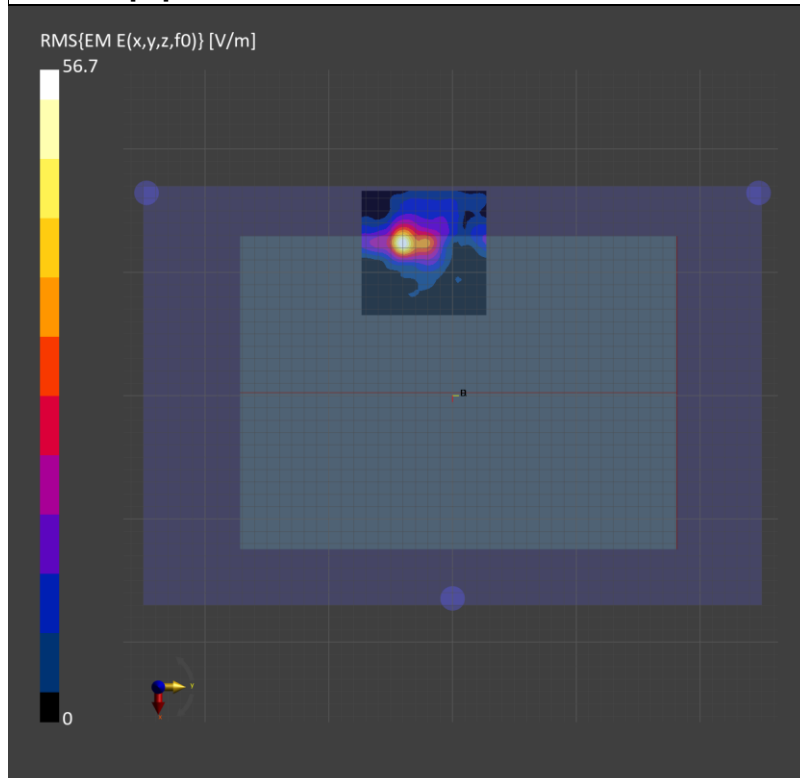
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

**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
MAIA	Y

**Measurement Results**

Scan Type	5G Scan
Date	2024-09-22
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	2.26
psPDtot+ [W/m <sup>2</sup> ]	2.69
psPDmod+ [W/m <sup>2</sup> ]	3.07
E <sub>max</sub> [V/m]	56.7
Power Drift [dB]	-0.04



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ID: 070

Report No. :TESA2409000536E5

Measurement Report\_U-NII-7 6.7GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 175\_2mm\_Main

Ambient temperature: 22.5°C; Liquid temperature: 21.2°

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

**Hardware Setup**

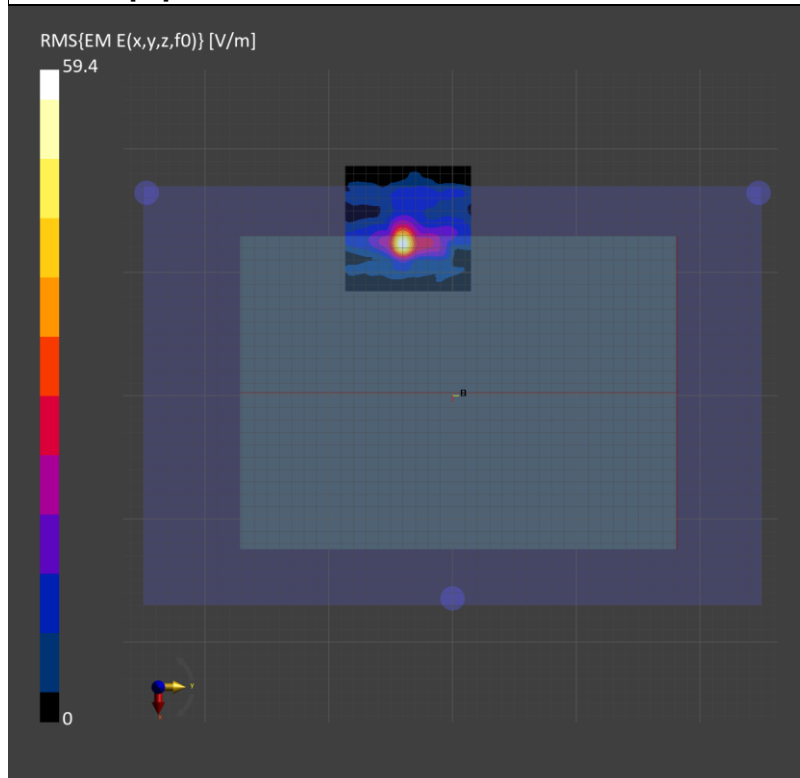
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

**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
MAIA	Y

**Measurement Results**

Scan Type	5G Scan
Date	2024-09-22
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	2.07
psPDtot+ [W/m <sup>2</sup> ]	2.40
psPDmod+ [W/m <sup>2</sup> ]	2.88
E <sub>max</sub> [V/m]	59.4
Power Drift [dB]	0.02



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ID: 071

Report No. :TESA2409000536E5

Measurement Report\_U-NII-8 7.0GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 207\_2mm\_Main

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

**Hardware Setup**

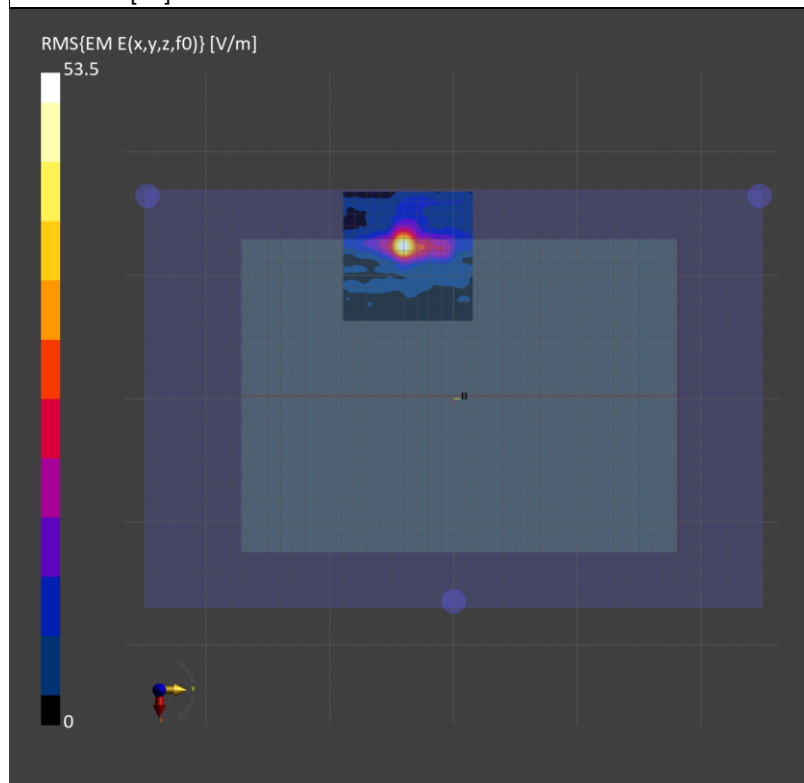
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

**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
MAIA	Y

**Measurement Results**

Scan Type	5G Scan
Date	2024-09-22
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.35
psPDtot+ [W/m <sup>2</sup> ]	1.91
psPDmod+ [W/m <sup>2</sup> ]	2.35
E <sub>max</sub> [V/m]	53.5
Power Drift [dB]	0.04



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ID: 072

Report No. :TESA2409000536E5

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 15\_2mm\_Aux

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

**Hardware Setup**

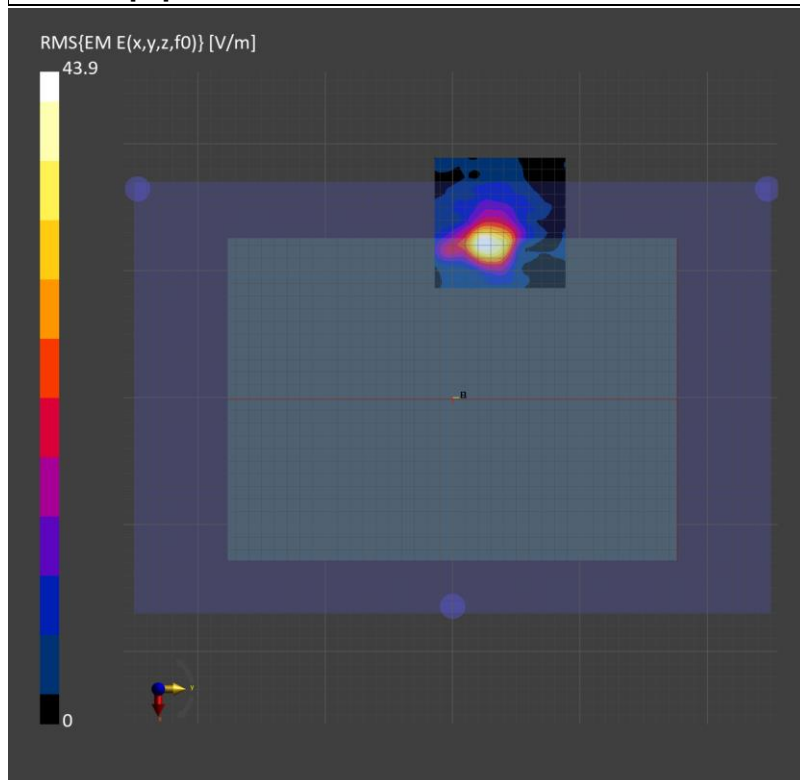
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

**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
MAIA	Y

**Measurement Results**

Scan Type	5G Scan
Date	2024-09-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.71
psPDtot+ [W/m <sup>2</sup> ]	2.03
psPDmod+ [W/m <sup>2</sup> ]	2.40
E <sub>max</sub> [V/m]	53.9
Power Drift [dB]	-0.01



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ID: 073

Report No. :TESA2409000536E5

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 79\_2mm\_Aux

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

**Hardware Setup**

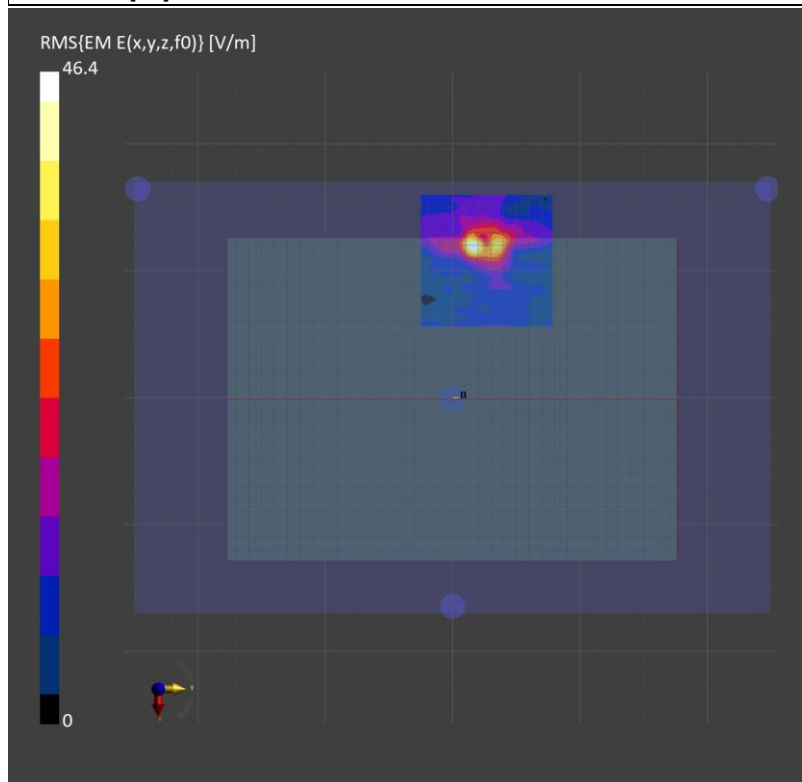
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

**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
MAIA	Y

**Measurement Results**

Scan Type	5G Scan
Date	2024-09-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	0.876
psPDtot+ [W/m <sup>2</sup> ]	1.16
psPDmod+ [W/m <sup>2</sup> ]	1.82
E <sub>max</sub> [V/m]	56.4
Power Drift [dB]	0.05



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ID: 074

Report No. :TESA2409000536E5

Measurement Report\_U-NII-6 6.5GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 111\_2mm\_Aux

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

**Hardware Setup**

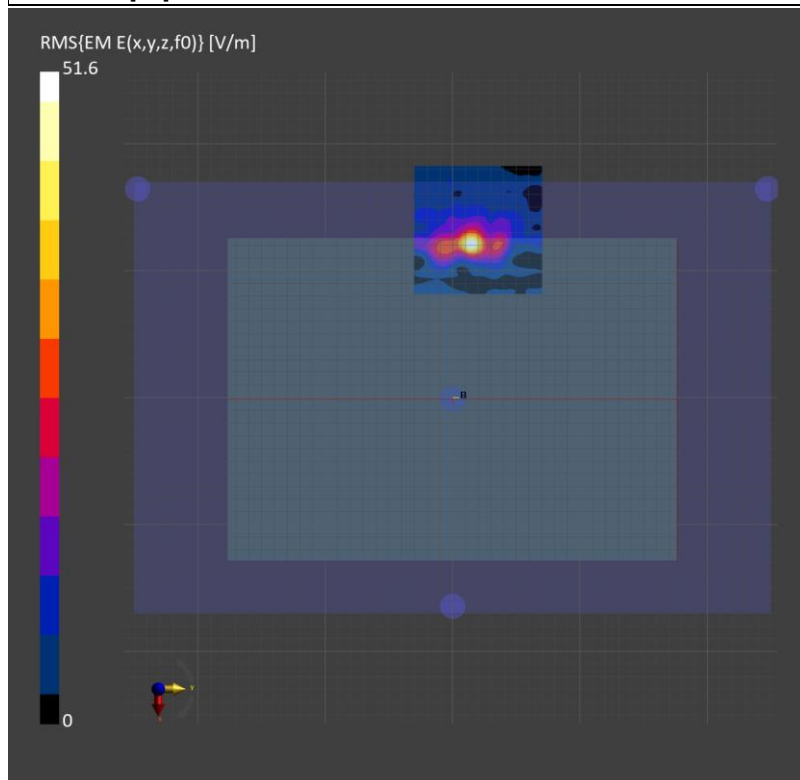
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

**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
MAIA	Y

**Measurement Results**

Scan Type	5G Scan
Date	2024-09-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.01
psPDtot+ [W/m <sup>2</sup> ]	1.45
psPDmod+ [W/m <sup>2</sup> ]	2.02
E <sub>max</sub> [V/m]	51.6
Power Drift [dB]	0.02



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ID: 075

Report No. :TESA2409000536E5

Measurement Report\_U-NII-7 6.7GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 175\_2mm\_Aux

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

**Hardware Setup**

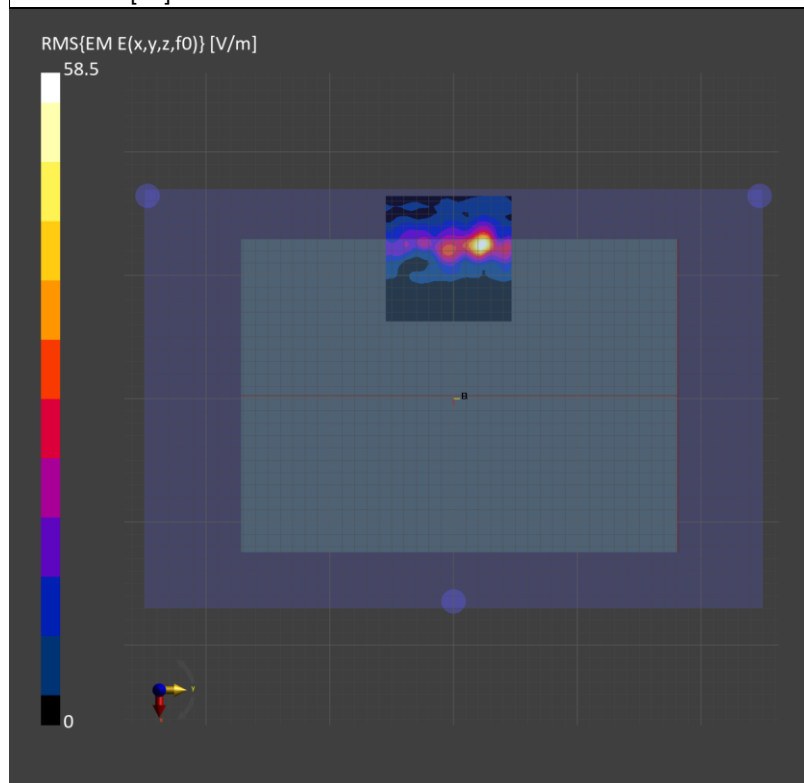
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

**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
MAIA	Y

**Measurement Results**

Scan Type	5G Scan
Date	2024-09-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.15
psPDtot+ [W/m <sup>2</sup> ]	1.94
psPDmod+ [W/m <sup>2</sup> ]	2.79
E <sub>max</sub> [V/m]	58.5
Power Drift [dB]	0.01



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ID: 076

Report No. :TESA2409000536E5

Measurement Report\_U-NII-8 7.0GHz 802.11ax(160M)\_Body\_Back Surface\_Ch 207\_2mm\_Aux

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
5G, Air	BACK, 2.00	1.0	0	1.0

**Hardware Setup**

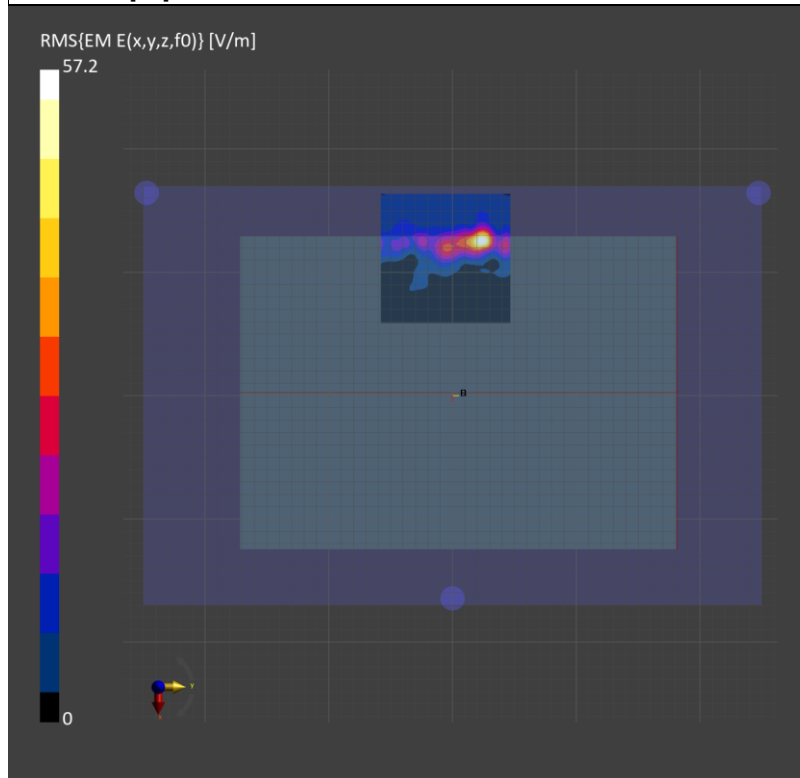
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

**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
MAIA	Y

**Measurement Results**

Scan Type	5G Scan
Date	2024-09-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.01
psPDtot+ [W/m <sup>2</sup> ]	1.72
psPDmod+ [W/m <sup>2</sup> ]	2.37
E <sub>max</sub> [V/m]	57.2
Power Drift [dB]	0.02



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## 14 SAR SYSTEM CHECK RESULTS

Report No. :TESA2409000536E5

Measurement Report

Dipole\_D2450-SN:727

Ambient temperature: 22.8°C; Liquid temperature: 21.3°C

### Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 10.00	7.45	1.787	38.124

### Hardware Setup

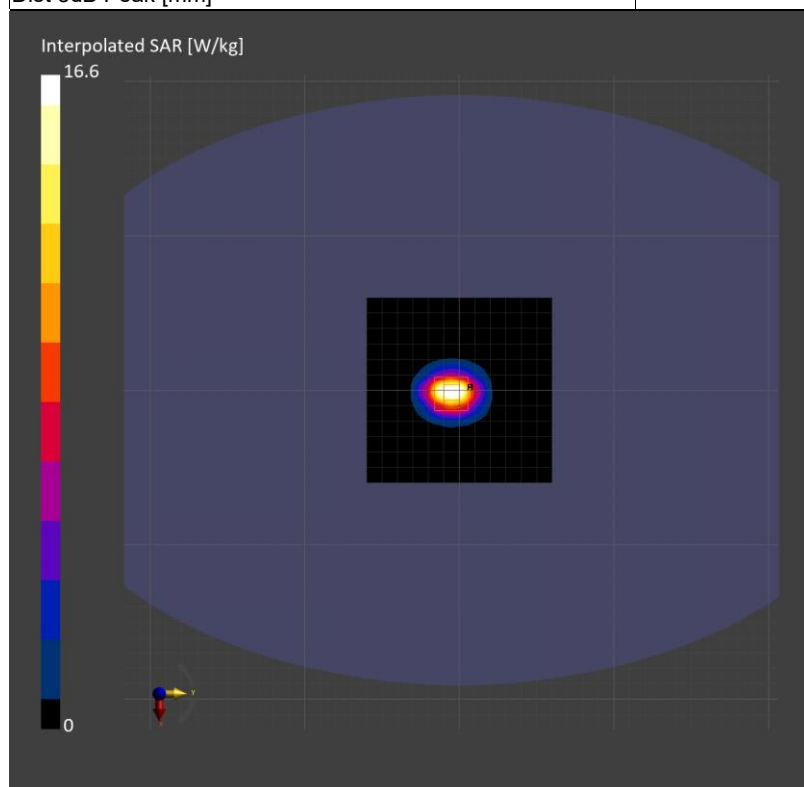
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

### Scans Setup

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

### Measurement Results

	Area Scan	Zoom Scan
Date	2024-09-19	2024-09-19
psSAR1g [W/kg]	13.1	13.6
psSAR8g [W/kg]	6.80	6.95
psSAR10g [W/kg]	6.14	6.29
Power Drift [dB]	-0.01	0.02
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		9.3



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Report No. :TESA2409000536E5

## Measurement Report

Dipole\_D5250-SN:1023

Ambient temperature: 22.4°C; Liquid temperature: 21.5°C

## Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 10.00	5.62	4.592	34.853

## Hardware Setup

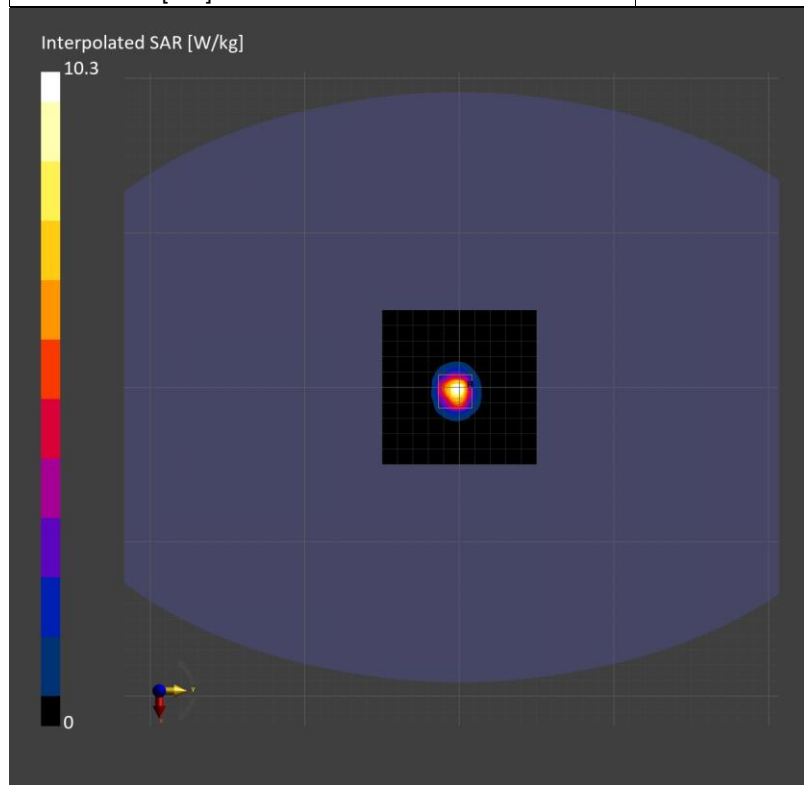
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

## Scans Setup

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

## Measurement Results

	Area Scan	Zoom Scan
Date	2024-09-20	2024-09-20
psSAR1g [W/kg]	6.83	7.88
psSAR8g [W/kg]	2.43	2.64
psSAR10g [W/kg]	2.10	2.26
Power Drift [dB]	-0.02	-0.04
M2/M1 [%]		54.9
Dist 3dB Peak [mm]		7.3



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Report No. :TESA2409000536E5

## Measurement Report

Dipole\_D5600-SN:1023

Ambient temperature: 22.4°C; Liquid temperature: 21.5°C

## Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 10.00	5.13	4.944	34.453

## Hardware Setup

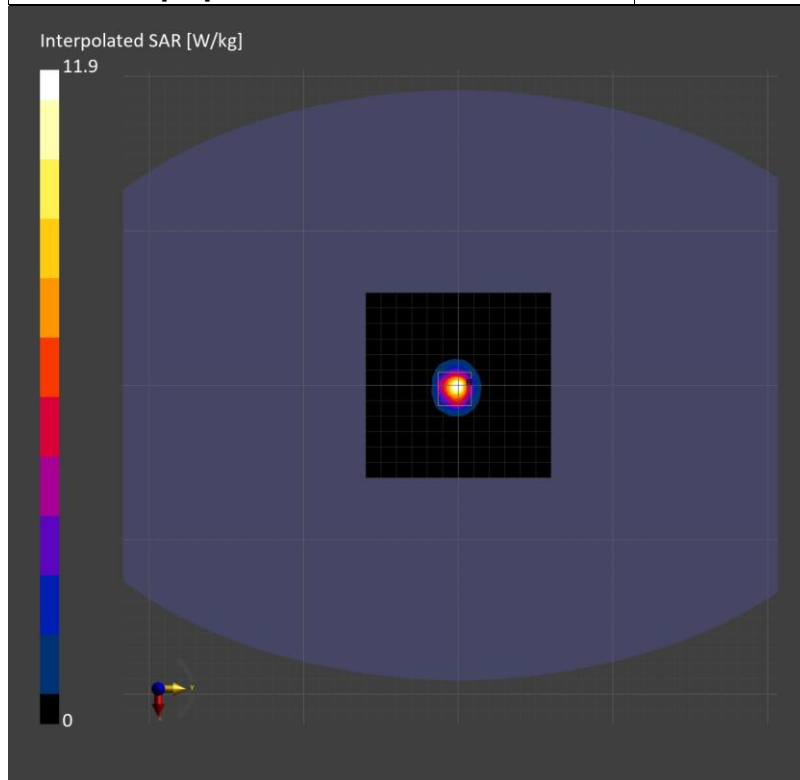
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-09-20	2024-09-20
psSAR1g [W/kg]	7.65	8.31
psSAR8g [W/kg]	2.59	2.77
psSAR10g [W/kg]	2.23	2.38
Power Drift [dB]	-0.03	-0.01
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		7.6



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Report No. :TESA2409000536E5

## Measurement

Dipole\_D5750-SN:1023

Ambient temperature: 22.4°C; Liquid temperature: 21.5°C

## Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 10.00	5.21	5.094	34.281

## Hardware Setup

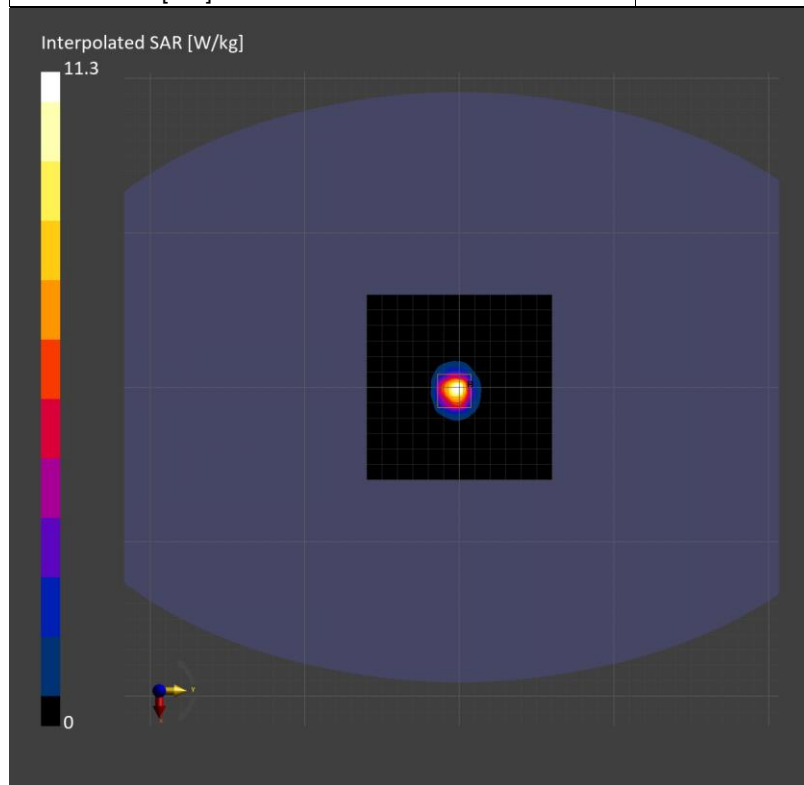
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-09-20	2024-09-20
psSAR1g [W/kg]	7.55	8.06
psSAR8g [W/kg]	2.63	2.73
psSAR10g [W/kg]	2.27	2.34
Power Drift [dB]	-0.04	-0.01
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		7.9



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Report No. :TESA2409000536E5

## Measurement

Dipole\_D5850-SN:1023

Ambient temperature: 22.4°C; Liquid temperature: 21.5°C

## Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 10.00	5.20	5.195	34.167

## Hardware Setup

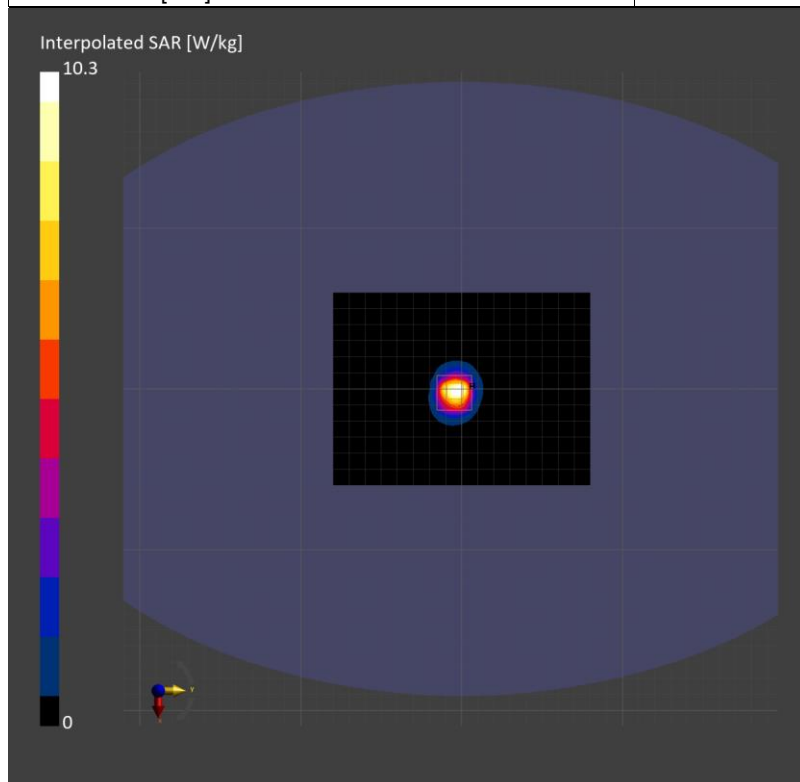
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	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	2024-09-20	2024-09-20
psSAR1g [W/kg]	7.43	8.21
psSAR8g [W/kg]	2.67	2.86
psSAR10g [W/kg]	2.31	2.25
Power Drift [dB]	0.06	0.06
M2/M1 [%]		50.6
Dist 3dB Peak [mm]		7.4



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## Measurement Report

Dipole\_CLA13-SN: 1027

Ambient temperature: 22.1°C; Liquid temperature: 21.0°C

## Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 5.00	18.48	0.724	55.197

## Hardware Setup

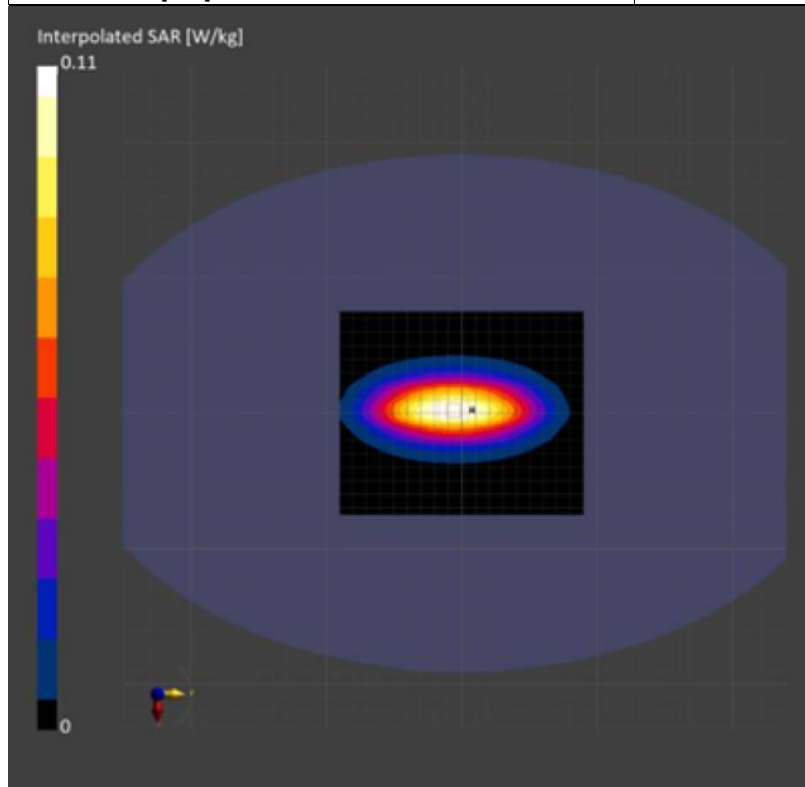
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2024-01-22	DAE4 Sn547, 2024-01-18

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	270.0 x 270.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

## Measurement Results

	Area Scan	Zoom Scan
Date	2024-09-18	2024-09-18
psSAR1g [W/kg]	0.123	0.125
psSAR8g [W/kg]	0.082	0.083
psSAR10g [W/kg]	0.075	0.072
Power Drift [dB]	-0.01	0.01
M2/M1 [%]		54.1
Dist 3dB Peak [mm]		16.2



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## Measurement Report

Dipole\_D6500-SN:1006

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

## Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 5.00	5.38	5.859	33.395

## Hardware Setup

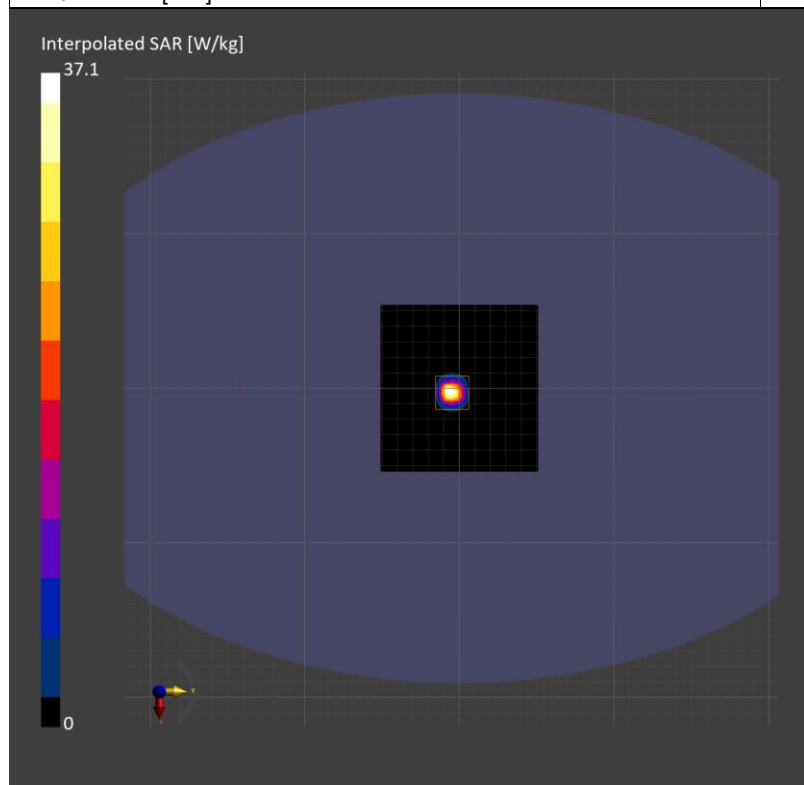
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	6.0 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	2024-09-21	2024-09-21
psSAR1g [W/kg]	24.3	29.1
psSAR8g [W/kg]	6.36	6.75
psSAR10g [W/kg]	5.27	5.55
psPDab (4.0cm2, sq) [W/m2]		135
Power Drift [dB]	-0.04	0.03
M2/M1 [%]		52.4
Dist 3dB Peak [mm]		4.8



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## Measurement Report

Dipole\_D7000-SN:1007

Ambient temperature: 22.5°C; Liquid temperature: 21.2°C

## Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 5.00	5.66	6.381	32.795

## Hardware Setup

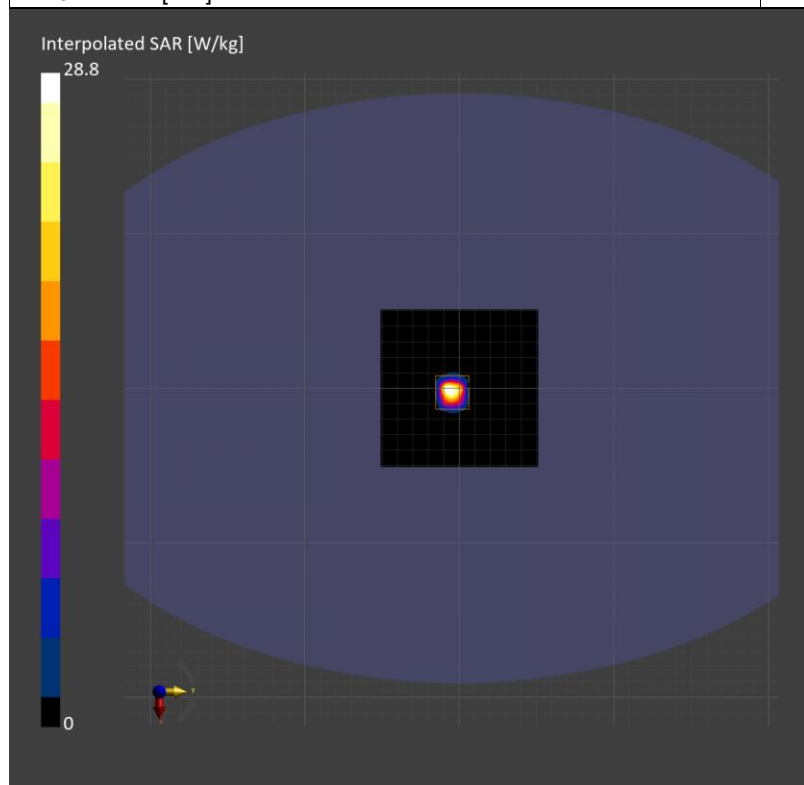
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn558, 2023-11-20

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 102.0	27.2 x 27.2 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	2024-09-21	2024-09-21
psSAR1g [W/kg]	21.8	27.6
psSAR8g [W/kg]	6.05	6.20
psSAR10g [W/kg]	5.02	5.10
psPDab (4.0cm2, sq) [W/m2]		124
Power Drift [dB]	-0.05	-0.01
M2/M1 [%]		54.5
Dist 3dB Peak [mm]		4.8



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## 15 PD SYSTEM CHECK RESULTS

Report No. : TESA2409000536E5

Measurement Report

5G Verification Source 10GHz-SN:1021

### Exposure Conditions

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

### Hardware Setup

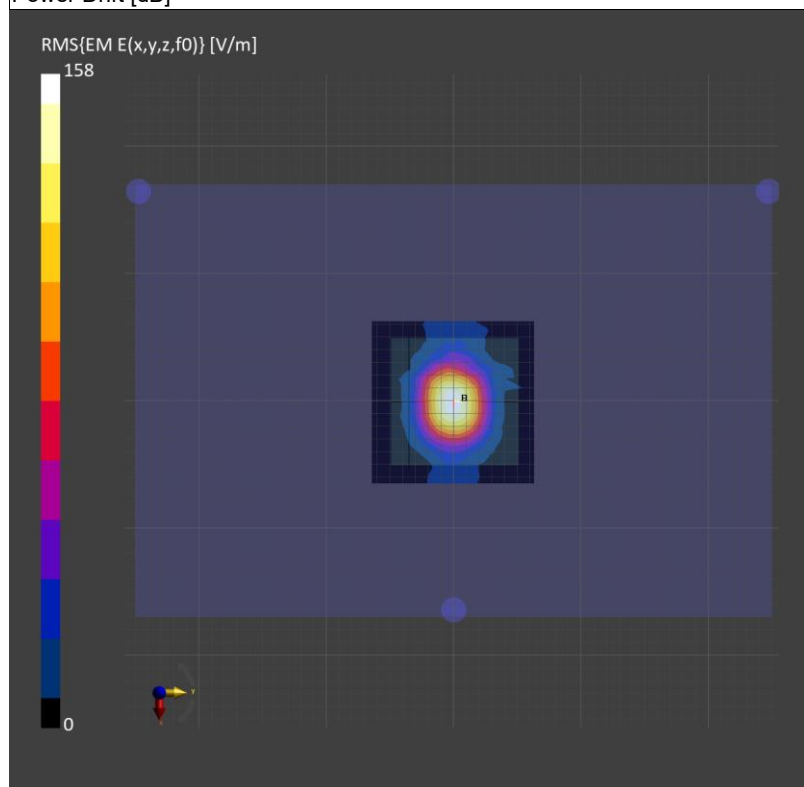
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn558, 2023-11-20

### 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
MAIA	N/A

### Measurement Results

Scan Type	5G Scan
Date	2024-09-22
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	53.3
psPDtot+ [W/m <sup>2</sup> ]	53.4
psPDmod+ [W/m <sup>2</sup> ]	53.9
E <sub>max</sub> [V/m]	152
Power Drift [dB]	0.06



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**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**

**- End of report -**

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