RF Exposure report

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

Product Name	Notebook Computer
Brand Name	acer
Model No.	N24Q1
Applicant	Acer Incorporated 8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 22181, Taiwan (R.O.C)
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	HLZAX211NG
Date of EUT Receipt	Mar. 06, 2024
Date of Test(s)	Mar. 21, 2024 ~ Mar. 27, 2024
Date of Issue	Apr. 12, 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.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS Taiwan Ltd. Central RF Lab or testing done by SGS Taiwan Ltd. Central RF Lab in connection with distribution or use of the product described in this report must be approved by SGS Taiwan Ltd. Central RF Lab in writing.

Signed on behalf of SGS

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

Date: Apr. 12, 2024

Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2403000118E5	00	Initial creation of document	Apr. 12, 2024	Kimmy Chiou	

Note:

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

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1 GENERAL INFORMATION

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards:
IEEE/ANSI C95.1-1992
IEEE 1528-2013
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

1.2 Description of EUT

Product Name	Notebook Computer	
Brand Name	acer	
Model No.	N24Q1	
FCC ID	HLZAX211NG	
Integrated WLAN Module	Brand Name: Intel® Wi-Fi 6E AX211 Model Name: AX211NGW	
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	2.4GHz (2400.0 – 2483.5 MHz)
	802.11a/n/ac/ax	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	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 5.2	2.4GHz (2400.0 – 2483.5 MHz)

1.3 Maximum value

Summary of Maximum SAR and Power Density Value			
Mode	Highest SAR 1g (W/kg)	Highest APD (W/m^2)	Highest PD (W/m^2)
Bluetooth(GFSK)	0.22	N/A	N/A
2.4G WLAN	1.08	N/A	N/A
5G WLAN	1.17	N/A	N/A
6G WLAN	1.00	6.73	6.12

1.4 Antenna Information

Laptop mode_WLAN

Vendor	WNC									
Antenna	Main									
Part Number	57EAB515.061									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	0.96	-2.60	-3.62	-2.75	-2.75	-3.02	-1.61	-2.58	-2.58	-0.11
Antenna	Aux									
Part Number	57EAB515.061									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	-2.85	0.79	0.79	0.15	-0.15	-0.15	0.76	0.26	0.26	-0.01

Tablet mode_WLAN

Vendor	WNC									
Antenna	Main									
Part Number	57EAB515.061									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	-1.29	-2.68	-1.63	0.45	-1.44	-1.50	-0.96	-1.50	-1.35	-0.11
Antenna	Aux									
Part Number	57EAB515.061									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	-2.28	0.51	0.51	-0.30	-0.28	-0.28	0.49	0.49	-0.34	-1.02

Note: Antenna information is provided by the applicant.

2 MEASUREMENT SYSTEM

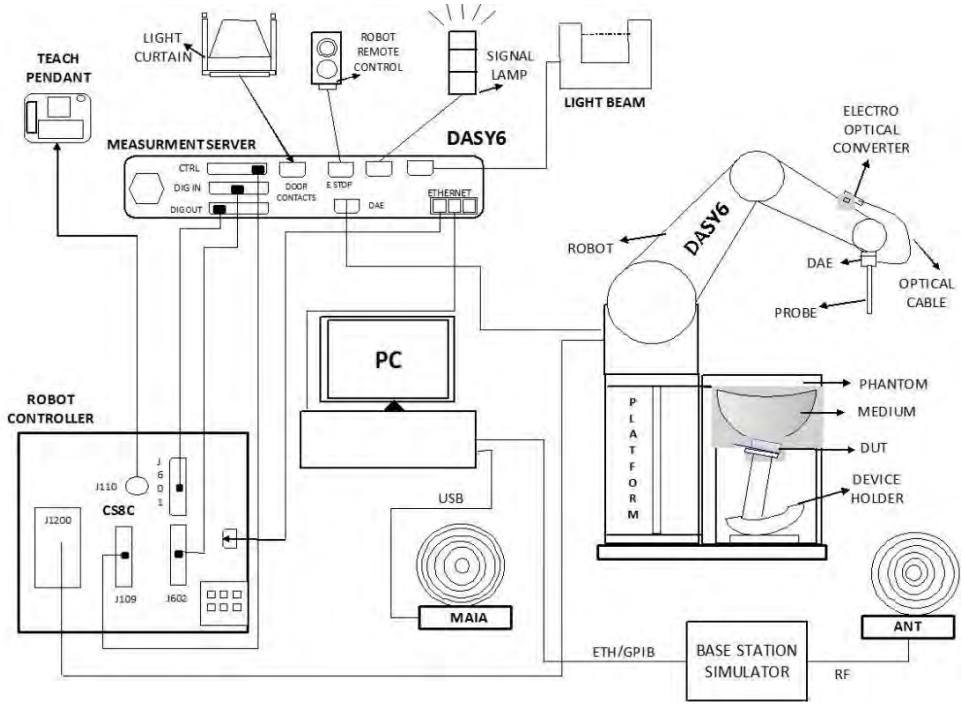
2.1 Test Facility

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		
	No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan	SAR 1	**TW0028**	
		SAR 4		
	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.				

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.

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%.	

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	

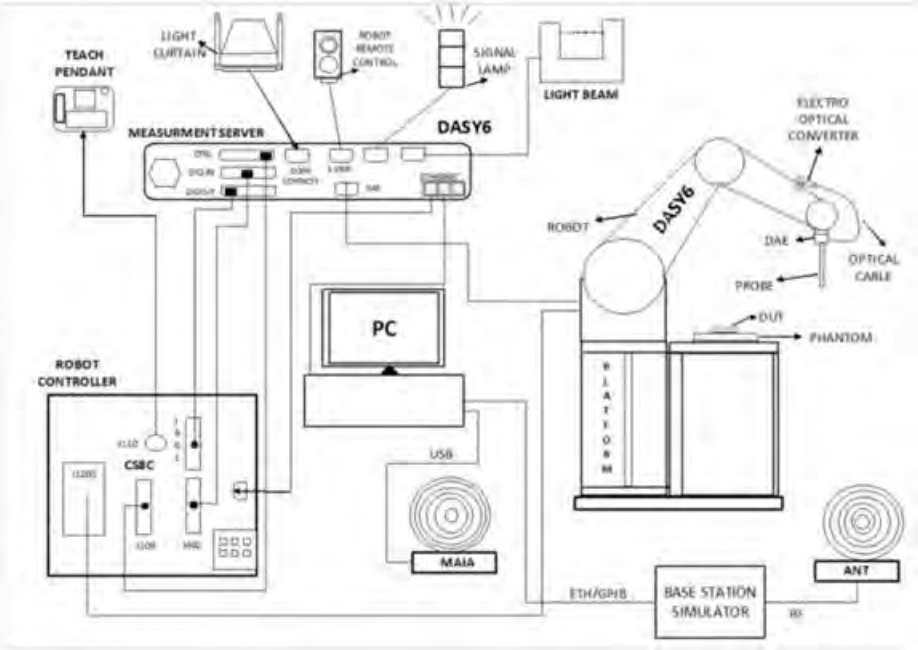
DEVICE HOLDER (ELI)

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

2.3 PD system

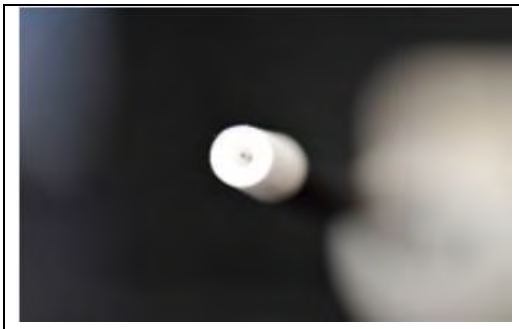
Block Diagram (DASY6)

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.

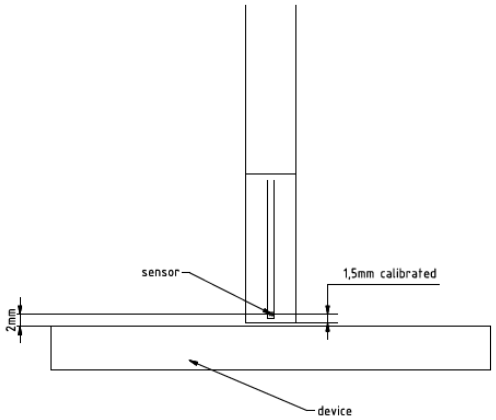


EUmmWVx probe

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, 120º 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
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 δ) $\leq$ 0.05 and a relative permittivity (ɛr) $\leq$ 1.2. High-performance RF absorbers are placed below the foam.

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 fromeference 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 ± 5% of the target values.

3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ	Limit	Measurement Date
2402	39.282	1.757	40.273	1.841	2.52%	4.75%	± 5%	Mar. 21, 2024
2412	39.265	1.766	40.256	1.850	2.52%	4.74%	± 5%	
2437	39.222	1.788	40.211	1.872	2.52%	4.67%	± 5%	
2441	39.215	1.792	40.204	1.875	2.52%	4.63%	± 5%	
2450	39.200	1.800	40.188	1.883	2.52%	4.61%	± 5%	
2462	39.184	1.813	40.173	1.894	2.52%	4.48%	± 5%	
2480	39.160	1.832	40.150	1.911	2.53%	4.31%	± 5%	
5200	36.000	4.660	36.974	4.809	2.71%	3.20%	± 5%	Mar. 22, 2024
5230	35.970	4.690	36.939	4.840	2.69%	3.20%	± 5%	
5250	35.950	4.710	36.917	4.861	2.69%	3.21%	± 5%	
5260	35.940	4.720	36.905	4.872	2.69%	3.22%	± 5%	
5270	35.930	4.730	36.894	4.882	2.68%	3.21%	± 5%	
5290	35.910	4.750	36.871	4.904	2.68%	3.24%	± 5%	
5530	35.605	4.997	36.597	5.158	2.79%	3.23%	± 5%	
5570	35.545	5.039	36.551	5.200	2.83%	3.21%	± 5%	
5600	35.500	5.070	36.517	5.231	2.86%	3.18%	± 5%	
5610	35.490	5.080	36.505	5.242	2.86%	3.19%	± 5%	
5690	35.410	5.160	36.414	5.326	2.84%	3.22%	± 5%	Mar. 23, 2024
5750	35.350	5.220	36.345	5.389	2.81%	3.24%	± 5%	
5755	35.345	5.225	36.339	5.394	2.81%	3.23%	± 5%	
5775	35.325	5.245	36.317	5.415	2.81%	3.24%	± 5%	
5795	35.305	5.265	36.294	5.437	2.80%	3.27%	± 5%	
5815	35.285	5.286	36.271	5.458	2.79%	3.26%	± 5%	
5850	35.250	5.323	36.231	5.495	2.78%	3.24%	± 5%	
5875	35.225	5.349	36.202	5.521	2.77%	3.22%	± 5%	
6025	35.070	5.510	36.029	5.681	2.73%	3.11%	± 5%	Mar. 24, 2024
6185	34.878	5.698	35.837	5.852	2.75%	2.70%	± 5%	
6345	34.686	5.887	35.645	6.024	2.76%	2.33%	± 5%	
6500	34.500	6.070	35.459	6.192	2.78%	2.01%	± 5%	
6505	34.494	6.076	35.453	6.197	2.78%	1.99%	± 5%	
6665	34.302	6.261	35.261	6.371	2.80%	1.75%	± 5%	
6825	34.110	6.447	35.069	6.547	2.81%	1.55%	± 5%	
6985	33.918	6.633	34.877	6.723	2.83%	1.36%	± 5%	
7000	33.900	6.650	34.859	6.740	2.83%	1.35%	± 5%	

3.4 The composition of the tissue simulating liquid:

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

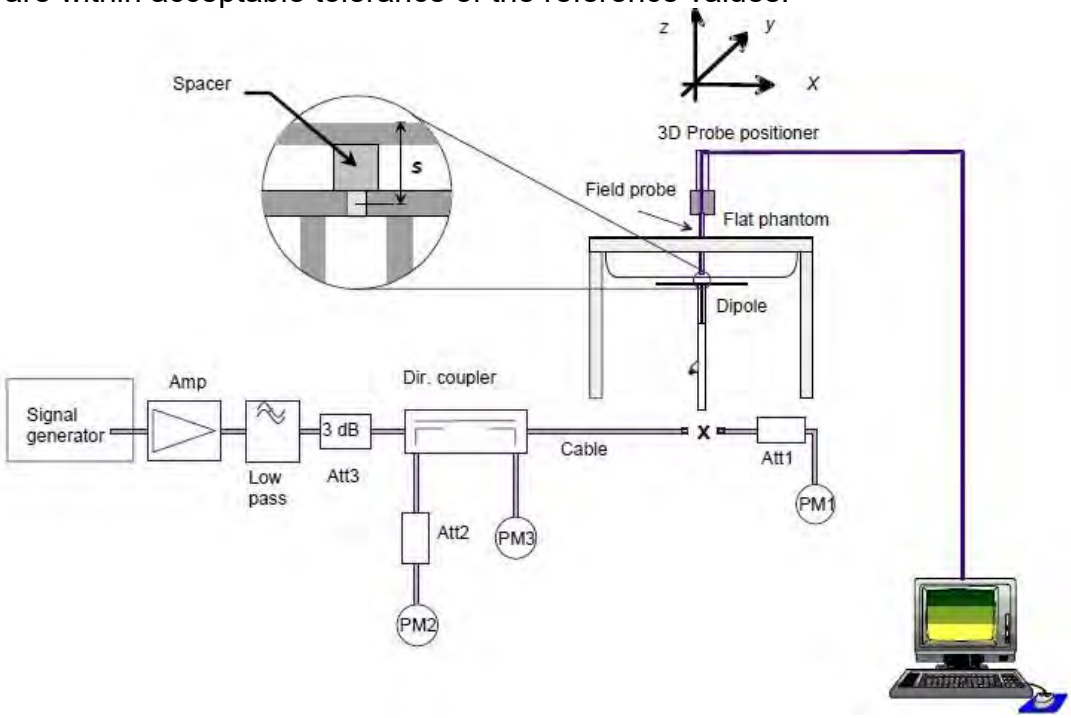
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

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

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	53.1	13.5	54	1.69	± 10%	Mar.21,2024

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	7.98	79.8	1.27	± 10%	Mar.22,2024
D5GHzV2	1023	5600	81.3	8.26	82.6	1.60	± 10%	Mar.22,2024
D5GHzV2	1023	5750	78	7.92	79.2	1.54	± 10%	Mar.23,2024
D5GHzV2	1023	5850	78.6	7.83	78.3	-0.38	± 10%	Mar.23,2024

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	296	28.3	283	-4.39	± 10%	Mar.24,2024
D7GHzV2	1007	7000	281	27.8	278	-1.07	± 10%	Mar.24,2024

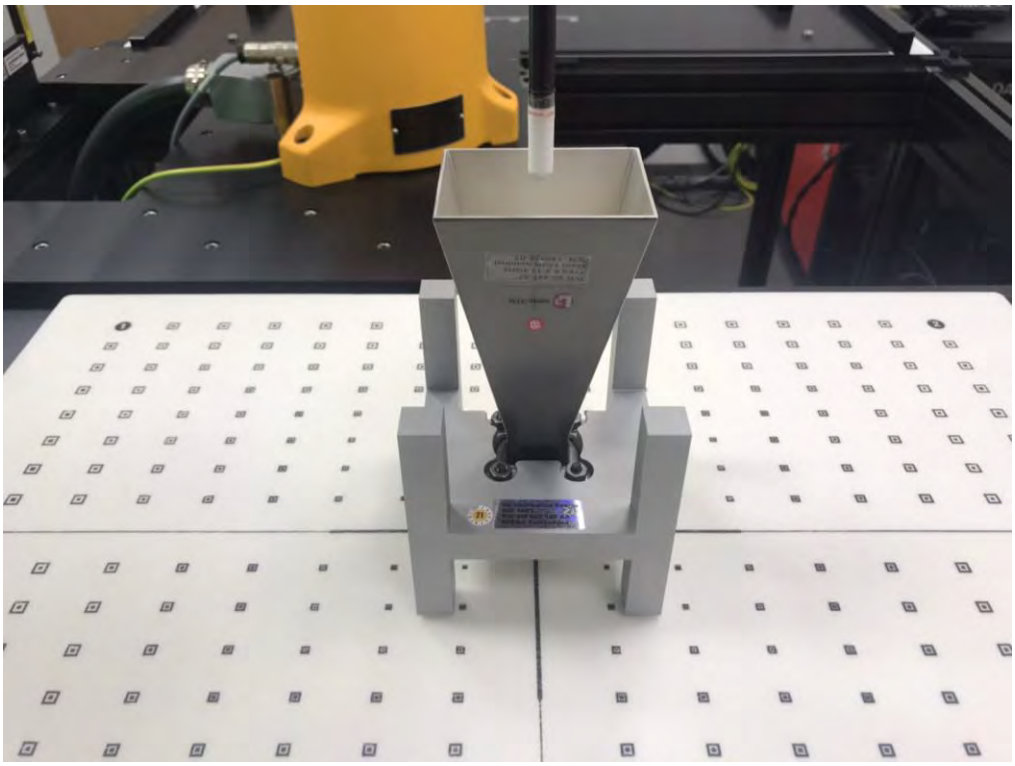
Validation Kit	S/N	Frequency (MHz)	1W Target APD (W/m^2) (4cm^2)	pin=100mW Measured APD (W/m^2) (4cm^2)	Normalized to 1W APD (W/m^2) (4cm^2)	Deviation (%)	Limit	Measurement Date
D6.5GHzV2	1006	6500	1290	131	1310	1.55	± 15%	Mar.24,2024
D7GHzV2	1007	7000	1190	125	1250	5.04	± 15%	Mar.24,2024

4 PD SYSTEM VERIFICATION

4.1 System check

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.

The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.



System Verification Setup Photo

4.2 System check result

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the 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 (GHz)	PD Verification Source	Probe S/N	DAE S/N	Distance (mm)	Prad (mW)	Measured 4cm^2 (W/m^2)	Target 4cm^2 (W/m^2)	Deviation (dB)	Date
10G	10G	9635	547	2	93.3	50.4	56.4	-0.49	Mar. 27, 2024

5 TEST CONFIGURATIONS

5.1 Test Environment

Ambient Temperature: 22±2° C
Tissue Simulating Liquid: 22±2° 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 ≤ 0.8 W/kg, when the transmission band is ≤ 100 MHz.
- **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is ≥ 0.8 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 ≥ 1.45 W/kg (~ 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 ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 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 ≤ 1.2 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 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 ≤ 1.2 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

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

- **WLAN 5GHz:** Based on FCC guidance, general principles of KDB248227D01 can be applied to 802.11ax to determine initial test configuration with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency band.
- **WLAN 6GHz:** Per October 2020 & April 2021 TCB Workshop Interim procedures and FCC guidance, start instead with a minimum of 5 test channels across the full band, then adapt and apply conducted power and SAR test reduction procedures of KDB Pub. 248227 v02r02. WIFI 6E SAR is measured by using 6-7GHz parameters per IEC/IEEE62209-1528:2020 and report also estimated absorbed PD (for reference purposes only, not specifically for compliance). For the highest SAR test configurations also measure incident PD (total) using mmW near-field probe and total-field/power-density reconstruction method.
- **WLAN 6GHz:** Per equipment manufacturer guidance, power density was measured at d=2mm with the grid step (0.0625λ) for determining compliance at d=2mm.
- **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.

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.

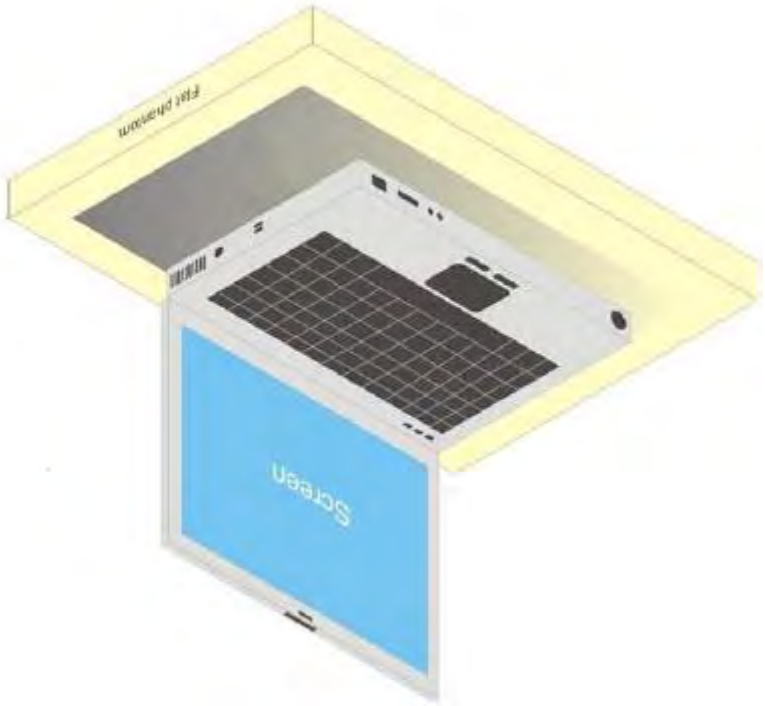


Illustration for Laptop Setup

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.

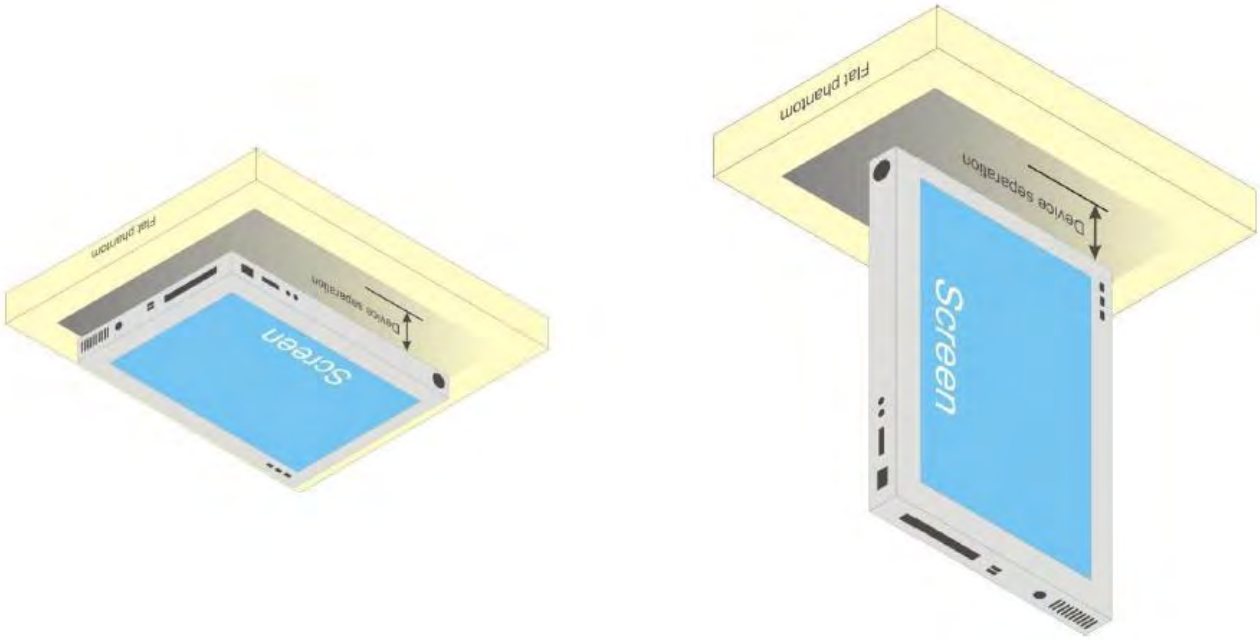


Illustration for Tablet Setup

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.

Device mode verification by power measurement

Antenna	Operation mode	Lid angle	802.11b	802.11a 5.2G	802.11ac(160M) 5.2G	802.11a 5.3G	802.11ac(80M) 5.3G	802.11ac(80M) 5.6G	802.11ac(160M) 5.6G	802.11n(40M) 5.8G	802.11ac(80M) 5.8G	802.11n(40M) 5.9G	802.11ac(160M) 5.9G	802.11ax(160M) 6.2G	802.11ax(160M) 6.5G	802.11ax(160M) 6.7G	802.11ax(160M) 7G
Tx1	Lid close	0°															
	Notebook	10°	19.09	19.03	13.25	19.01	15.80	19.09	13.66	19.17	18.19	19.10	16.07	11.56	11.68	11.51	11.57
		5°	19.12	19.09	13.34	19.15	15.94	19.04	13.58	19.18	18.18	19.08	16.08	11.67	11.57	11.68	11.60
	Lid close	0°															
		1°															
		2°															
		3°															
	Notebook	4°	19.01	19.17	13.27	19.18	15.90	19.05	13.69	19.05	18.06	19.23	16.01	11.59	11.61	11.69	11.65
		5°	19.05	19.00	13.28	19.04	15.84	19.09	13.65	19.01	18.09	19.22	15.98	11.67	11.56	11.59	11.66
		6°	19.05	19.06	13.27	19.10	15.87	19.16	13.63	19.07	18.14	19.17	15.97	11.63	11.61	11.53	11.64
		7°	19.18	19.15	13.36	19.19	15.87	19.12	13.60	19.05	18.04	19.12	16.05	11.58	11.68	11.65	11.67
		8°	19.20	19.19	13.35	19.04	15.85	19.19	13.66	19.17	18.14	19.19	16.10	11.65	11.57	11.67	11.65
		9°	19.06	19.11	13.32	19.03	15.82	19.02	13.56	19.14	18.01	19.25	16.05	11.67	11.55	11.52	11.51
		10°	19.14	19.16	13.42	19.17	15.79	19.08	13.59	19.01	18.19	19.10	15.94	11.62	11.57	11.61	11.51
		20°	19.17	19.06	13.42	19.01	15.95	19.07	13.62	19.06	18.02	19.07	15.91	11.60	11.59	11.60	11.60
		30°	19.03	19.07	13.30	19.05	15.86	19.02	13.60	19.02	18.05	19.09	15.98	11.62	11.53	11.56	11.65
		40°	19.10	19.03	13.32	19.12	15.92	19.01	13.64	19.13	18.02	19.10	15.94	11.51	11.67	11.54	11.64
		50°	19.05	19.12	13.35	19.18	15.76	19.16	13.65	19.15	18.07	19.22	16.03	11.69	11.65	11.59	11.62
		60°	19.17	19.13	13.36	19.17	15.93	19.05	13.66	19.02	18.17	19.09	15.94	11.53	11.55	11.59	11.67
		70°	19.20	19.16	13.39	19.07	15.81	19.08	13.58	19.03	18.02	19.09	16.02	11.57	11.54	11.65	11.62
		80°	19.16	19.16	13.43	19.05	15.86	19.01	13.63	19.11	18.05	19.13	15.99	11.68	11.54	11.69	11.62
		90°	19.07	19.12	13.28	19.03	15.92	19.16	13.54	19.00	18.15	19.12	15.92	11.68	11.62	11.58	11.57
		100°	19.16	19.13	13.43	19.13	15.92	19.15	13.64	19.08	18.19	19.13	15.93	11.61	11.66	11.67	11.55
		110°	19.01	19.00	13.33	19.06	15.86	19.17	13.52	19.14	18.05	19.08	15.94	11.65	11.64	11.67	11.58
		120°	19.12	19.09	13.37	19.09	15.78	19.05	13.61	19.13	18.08	19.07	16.05	11.61	11.66	11.55	11.62
		130°	19.00	19.07	13.31	19.19	15.75	19.00	13.61	19.10	18.04	19.12	15.95	11.66	11.51	11.50	11.59
		140°	19.09	19.08	13.32	19.07	15.86	19.03	13.56	19.05	18.11	19.18	16.11	11.64	11.67	11.51	11.58
		150°	19.12	19.09	13.42	19.05	15.82	19.12	13.52	19.19	18.08	19.07	15.92	11.70	11.54	11.64	11.54
		160°	19.07	19.07	13.44	19.08	15.84	19.20	13.58	19.13	18.17	19.14	16.07	11.69	11.54	11.60	11.61
		170°	19.18	19.10	13.33	19.12	15.79	19.05	13.58	19.12	18.05	19.22	16.05	11.54	11.58	11.68	11.59
		180°	19.03	19.19	13.34	19.04	15.79	19.07	13.69	19.08	18.11	19.15	15.98	11.63	11.62	11.59	11.68
		190°	19.11	19.04	13.33	19.16	15.77	19.02	13.56	19.01	18.06	19.17	16.03	11.52	11.58	11.67	11.60
		200°	19.12	19.16	13.35	19.19	15.93	19.19	13.55	19.17	18.10	19.20	16.08	11.63	11.52	11.66	11.53
		195°	19.01	19.20	13.32	19.01	15.83	19.04	13.56	19.02	18.15	19.07	16.07	11.55	11.67	11.51	11.56
		196°	19.00	19.00	13.43	19.09	15.88	19.07	13.56	19.10	18.09	19.08	16.01	11.70	11.62	11.64	11.54
		197°	19.16	19.16	13.34	19.19	15.94	19.00	13.53	19.09	18.01	19.14	16.05	11.52	11.58	11.53	11.62
		198°	19.03	19.17	13.35	19.08	15.86	19.12	13.70	19.04	18.05	19.18	15.96	11.61	11.56	11.52	11.55
		199°	19.08	19.02	13.43	19.02	15.86	19.01	13.56	19.12	18.10	19.19	16.02	11.68	11.70	11.55	11.52
	Tablet mode	200°	13.06	8.20	8.19	8.10	8.17	8.13	8.09	8.02	8.20	8.01	8.01	7.10	7.17	7.10	7.08
		201°	13.13	8.08	8.17	8.19	8.07	8.19	8.09	8.02	8.08	8.06	8.12	7.05	7.05	7.02	7.16
		202°	13.16	8.09	8.13	8.08	8.10	8.09	8.07	8.10	8.16	8.20	8.18	7.14	7.10	7.14	7.12
		203°	13.05	8.17	8.16	8.03	8.04	8.18	8.02	8.07	8.05	8.05	8.10	7.15	7.17	7.18	7.04
		204°	13.20	8.10	8.06	8.02	8.09	8.18	8.13	8.02	8.01	8.19	8.01	7.01	7.18	7.13	7.19
		205°	13.12	8.01	8.18	8.12	8.11	8.02	8.13	8.07	8.02	8.12	8.13	7.02	7.17	7.20	7.09
		215°	13.05	8.12	8.04	8.13	8.04	8.05	8.01	8.12	8.16	8.16	8.08	7.12	7.15	7.10	7.13
		225°	13.07	8.16	8.18	8.00	8.06	8.05	8.06	8.10	8.10	8.14	8.16	7.10	7.00	7.18	7.11
		235°	13.08	8.02	8.10	8.16	8.09	8.05	8.03	8.17	8.00	8.06	8.14	7.03	7.15	7.02	7.13
		245°	13.06	8.06	8.12	8.03	8.05	8.14	8.13	8.17	8.11	8.16	8.15	7.00	7.19	7.17	7.19
		255°	13.18	8.16	8.00	8.05	8.06	8.08	8.11	8.01	8.09	8.15	8.02	7.04	7.03	7.19	7.04
		265°	13.07	8.01	8.10	8.11	8.20	8.05	8.04	8.12	8.04	8.04	8.11	7.04	7.14	7.08	7.18
		275°	13.03	8.17	8.11	8.05	8.04	8.14	8.18	8.07	8.14	8.12	8.05	7.17	7.19	7.04	7.00
		285°	13.01	8.16	8.07	8.19	8.12	8.11	8.07	8.02	8.02	8.01	8.18	7.03	7.04	7.07	7.06
		295°	13.19	8.14	8.02	8.16	8.15	8.07	8.16	8.19	8.07	8.15	8.11	7.02	7.14	7.06	7.16
		305°	13.19	8.13	8.14	8.13	8.05	8.16	8.09	8.13	8.08	8.17	8.14	7.04	7.06	7.10	7.05
		315°	13.15	8.13	8.12	8.00	8.00	8.18	8.18	8.14	8.06	8.11	8.13	7.14	7.14	7.09	7.00
		325°	13.01	8.06	8.12	8.16	8.02	8.10	8.04	8.01	8.04	8.04	8.18	7.11	7.18	7.12	7.13
		335°	13.16	8.09	8.06	8.20	8.05	8.05	8.14	8.17	8.03	8.12	8.14	7.08	7.03	7.05	7.05
		345°	13.02	8.17	8.08	8.02	8.03	8.07	8.19	8.05	8.12	8.03	8.02	7.19	7.07	7.03	7.09
		355°	13.18	8.09	8.13	8.16	8.15	8.06	8.02	8.11	8.02	8.16	8.17	7.14	7.03	7.01	7.18
		360°	13.20	8.17	8.10	8.02	8.07	8.11	8.17	8.11	8.03	8.13	8.04	7.14	7.07	7.04	7.02
		350°	13.10	8.04	8.12	8.20	8.15	8.06	8.16	8.19	8.15	8.12	8.07	7.03	7.13	7.03	7.03
		340°	13.19	8.16	8.12	8.16	8.17	8.01	8.13	8.18	8.14	8.15	8.09	7.07	7.06	7.14	7.10
		330°	13.19	8.18	8.13	8.07	8.17	8.08	8.00	8.19	8.07	8.12	8.02	7.03	7.17	7.18	7.17
		320°	13.02	8.05	8.05	8.12	8.16	8.01	8.01	8.06	8.18	8.03	8.01	7.19	7.03	7.19	7.16
		310°	13.05	8.02	8.04	8.09	8.04	8.14	8.18	8.02	8.19	8.19	8.09	7.17	7.15	7.13	7.02
		300°	13.09	8.09	8.03	8.15	8.05	8.03	8.11	8.02	8.19	8.03	8.06	7.07	7.14	7.03	7.20
		290°	13.09	8.11	8.05	8.14	8.16	8.13	8.12	8.06	8.01	8.00	8.19	7.04	7.09	7.19	7.19
		280°	13.16	8.13	8.03	8.11	8.16	8.12	8.13	8.18	8.01	8.12	8.19	7.11	7.07	7.17	7.13
		270°	13.06	8.06	8.12	8.13	8.04	8.14	8.02	8.08	8.03	8.01	8.01	7.10	7.06	7.12	7.15
		260°	13.18	8.16	8.14	8.09	8.13	8.19	8.01	8.04	8.16	8.12	8.10	7.04	7.10	7.10	7.13
		250°	13.06	8.02	8.10	8.07	8.15	8.01	8.08	8.15	8.01	8.11	8.16	7.00	7.03	7.11	7.06
		240°	13.18	8.11	8.03	8.03	8.15	8.08	8.05	8.07	8.10	8.13	8.18	7.07	7.04	7.18	7.18
		230°	13.18	8.04	8.13	8.03	8.10	8.01	8.15	8.16	8.17	8.01	8.14	7.19	7.10	7.18	7.03
		220°	13.15	8.18	8.10	8.16	8.07	8.10	8.00	8.10	8.14	8.04	8.08	7.12	7.04	7.10	7.16
		210°	13.12	8.20	8.11	8.05	8.01	8.01	8.08	8.17	8.16	8.15	8.15	7.05	7.10	7.20	7.02
		200°	13.07	8.01	8.09	8.07	8.04	8.02	8.03	8.19	8.13	8.18	8.07	7.00	7.15	7.15	7.06
	Notebook	190°	19.09	19.17	13.36	19.11	15.91	19.20	13.60	19.17	18.03	19.25	16.00	11.58	11.50	11.53	11.63
		195°	19.01	19.07	13.38	19.18	15.95	19.11	13.55	19.08	18.08	19.23	15.94	11.68	11.61	11.59	11.63
	Tablet mode	200°	13.16	8.07	8.18	8.08	8.15	8.04	8.20	8.12	8.18	8.13	8.13	7.15	7.12	7.14	7.14
		199°	19.16	19.19	13.43	19.12	15.78	19.13	13.50	19.11	18.19	19.14	16.00	11.62	11.50	11.51	11.67
	Notebook	198°	19.19	19.10	13.28	19.11	15.94	19.06	13.64	19.14	18.10	19.21	15.97	11.56	11.51	11.55	11.59
		197°	19.10	19.09	13.28	19.04	15.95	19.13	13.61	19.15	18.02	19.26	15.95	11.57	11.63	11.61	11.53
		196°	19.04	19.20	13.44	19.07	15.76	19.07	13.58	19.09	18.12	19.19	16.07	11.65	11.61	11.65	11.60
		195°	19.04	19.15	13.39	19.01	15.82	19.01	13.57	19.17	18.03	19.23	15.98	11.56	11.70	11.67	11.54
		194°	19.08	19.03	13.45	19.15	15.76	19.15	13.56	19.11	18.14	19.14	16.01	11.66	11.66	11.67	11.69
		193°	19.20	19.15	13.29	19.07	15.77	19.03	13.66	19.08	18.08	19.22	15.97	11.56	11.54	11.68	11.53
		192°	19.17	19.14	13.27	19.14	15.94	19.08	13.56	19.15	18.14	19.13	15.97	11.55	11.59	11.52	11.68
		191°	19.07	19.07	13.30	19.01	15.76	19.17	13.57	19.10	18.19	19.10	16.01	11.51	11.61	11.66	11.56
		190°	19.08	19.17	13.38	19.11	15.77	19.00	13.58	19.09	18.05	19.25	16.05	11.53	11.55	11.58	11.56
		180°	19.00	19.20	13.36	19.15	15.86	19.12	13.51	19.09	18.02	19.12	16.07	11.51	11.62	11.63	11.65
		170°	19.07	19.10	13.38	19.09	15.79	19.05	13.52	19.17	18.07	19.10	16.09	11.54	11.67	11.64	11.58
		160°	19.09	19.07	13.33	19.04	15.79	19.07	13.58	19.10	18.13	19.25	16.00	11.70	11.67	11.52	11.66
		150°	19.01	19.19	13.45	19.10	15.94	19.17	13.52	19.02	18.09	19.07	15.93	11.53	11.60	11.50	11.56
		140°	19.07	19.14	13.39	19.15	15.89	19.05	13.65	19.11	18.06	19.25	16.06	11.50	11.62	11.59	11.63
		130°	19.16	19.08	13.34	19.03	15.84	19.16	13.60	19.03	18.02	19.17	16.06	11.64	11.51	11.60	11.56
		120°	19.10	19.05	13.45	19.01	15.94	19.02	13.68	19.04	18.14	19.22	16.06	11.69	11.61	11.56	11.61
		110°	19.07	19.16	13.41	19.05	15.86	19.09	13.56	19.14	18.19	19.26	15.91	11.63	11.68	11.60	11.52
		100°	19.03	19.19	13.29	19.11	15.84	19.01	13.63	19.12	18.04	19.21	15.92	11.50	11.69	11.65	11.56
		90°	19.04	19.16	13.29	19.08	15.77	19.15	13.60	19.02	18.04	19.09	16.08	11.50	11.64	11.56	11.57
		80°	19.02	19.15	13.38	19.14	15.93	19.03	13.57	19.13	18.06	19.09	15.93	11.52	11.61	11.53	11.51
		70°	19.07	19.16	13.28	19.20	15.84	19.11	13.58	19.18	18.05	19.12	16.07	11.54	11.58	11.67	11.58
		60°	19.16	19.04	13.35	19.06	15.94	19.12	13.68	19.12	18.07	19.19	15.97	11.59	11.67	11.59	11.54
		50°	19.08	19.14	13.32	19.01	15.90	19.08	13.51	19.13	18.06	19.12	15.96	11.68	11.50	11.69	11.55
		40°	19.07	19.01	13.35	19.02	15.78	19.09	13.55	19.02	18.10	19.12	15.99	11.59	11.65	11.65	11.53
		30°	19.17	19.07	13.31	19.08	15.81	19.10	13.55	19.02	18.04	19.12	16.01	11.65	11.62	11.50	11.62
		20°	19.02	19.10	13.26	19.01	15.79	19.10	13.62	19.15	18.11	19.19	16.07	11.51	11.61	11.66	11.54
		10°	19.03	19.14	13.27	19.04	15.87	19.05	13.66	19.05	18.13	19.13	15.93	11.65	11.62	11.56	11.63
	Lid close	0°	13.12	8.02	8.16	8.13	8.14	8.10	8.07	8.13	8.02	8.09	8.10	7.11	7.15	7.07	7.13
	Notebook	5°	19.17	19.04	13.26	19.06	15.76	19.14	13.53	19.15	18.10	19.24	16.10	11.63	11.70	11.62	11.67
	Lid close	4°	19.00	19.19	13.40	19.11	15.83	19.01	13.67	19.12	18.11	19.24	16.02	11.52	11.66	11.67	11.56
		3°															
		2°															
		1°															
		0°															

Antenna	Operation mode	Lid angle	802.11b	802.11n(40M) 5.2G	802.11ac(160M) 5.2G	802.11n(40M) 5.3G	802.11ac(80M) 5.3G	802.11ac(80M) 5.6G	802.11ac(160M) 5.6G	802.11n(40M) 5.8G	802.11ac(80M) 5.8G	802.11ax(40M) 5.9G	802.11ac(160M) 5.9G	802.11ax(160M) 6.2G	802.11ax(160M) 6.5G	802.11ax(160M) 6.7G	802.11ax(160M) 7G
Tx2	Lid close	0°															
	Notebook	10°	19.09	19.13	14.13	19.08	16.69	19.17	14.26	19.08	18.11	19.25	15.65	11.57	11.57	11.68	11.62
		5°	19.15	19.08	14.19	19.12	16.67	19.04	14.41	19.06	18.19	19.13	15.67	11.55	11.52	11.52	11.68
	Lid close	0°															
		1°															
		2°															
		3°															
	Notebook	4°	19.02	19.09	14.13	19.12	16.62	19.14	14.41	19.12	18.05	19.13	15.80	11.56	11.61	11.62	11.66
		5°	19.17	19.14	14.03	19.09	16.65	19.05	14.31	19.15	18.00	19.16	15.75	11.58	11.59	11.63	11.65
		6°	19.14	19.06	14.04	19.12	16.53	19.18	14.44	19.13	18.20	19.23	15.80	11.61	11.70	11.58	11.55
		7°	19.15	19.10	14.14	19.10	16.58	19.14	14.36	19.07	18.00	19.18	15.63	11.52	11.67	11.68	11.67
		8°	19.13	19.18	14.15	19.18	16.52	19.13	14.38	19.17	18.15	19.27	15.68	11.52	11.53	11.56	11.67
		9°	19.03	19.04	14.04	19.18	16.55	19.08	14.33	19.14	18.02	19.14	15.62	11.65	11.59	11.69	11.66
		10°	19.20	19.08	14.02	19.16	16.61	19.14	14.35	19.02	18.12	19.13	15.66	11.69	11.54	11.56	11.58
		20°	19.06	19.19	14.02	19.12	16.52	19.19	14.45	19.15	18.00	19.12	15.70	11.69	11.61	11.64	11.64
		30°	19.04	19.15	14.15	19.01	16.58	19.19	14.45	19.07	18.02	19.20	15.68	11.58	11.55	11.62	11.56
		40°	19.04	19.06	14.10	19.00	16.55	19.11	14.41	19.15	18.03	19.15	15.79	11.50	11.53	11.55	11.59
		50°	19.10	19.04	14.00	19.17	16.55	19.03	14.41	19.10	18.05	19.19	15.67	11.58	11.66	11.52	11.53
		60°	19.19	19.18	14.10	19.04	16.65	19.13	14.31	19.07	18.10	19.18	15.71	11.67	11.63	11.56	11.58
		70°	19.10	19.04	14.14	19.17	16.57	19.12	14.45	19.05	18.07	19.19	15.76	11.64	11.61	11.51	11.64
		80°	19.08	19.06	14.11	19.02	16.52	19.16	14.35	19.13	18.04	19.24	15.72	11.53	11.64	11.56	11.63
		90°	19.17	19.10	14.06	19.13	16.50	19.08	14.39	19.13	18.01	19.14	15.71	11.66	11.55	11.67	11.59
		100°	19.14	19.04	14.19	19.13	16.56	19.02	14.26	19.13	18.01	19.16	15.73	11.67	11.54	11.54	11.56
		110°	19.06	19.19	14.17	19.12	16.50	19.05	14.41	19.19	18.04	19.14	15.64	11.58	11.53	11.58	11.61
		120°	19.02	19.07	14.10	19.13	16.56	19.09	14.31	19.20	18.08	19.14	15.73	11.55	11.56	11.69	11.54
		130°	19.17	19.09	14.04	19.18	16.51	19.16	14.39	19.19	18.02	19.08	15.73	11.58	11.53	11.63	11.55
		140°	19.08	19.07	14.03	19.18	16.67	19.10	14.34	19.01	18.13	19.08	15.74	11.68	11.56	11.53	11.68
		150°	19.19	19.11	14.15	19.19	16.70	19.12	14.31	19.13	18.13	19.18	15.69	11.61	11.56	11.56	11.65
		160°	19.18	19.18	14.12	19.09	16.52	19.04	14.42	19.03	18.14	19.26	15.73	11.61	11.63	11.58	11.53
		170°	19.08	19.14	14.07	19.17	16.69	19.02	14.31	19.14	18.04	19.12	15.71	11.68	11.65	11.52	11.51
		180°	19.10	19.14	14.16	19.08	16.66	19.10	14.31	19.16	18.13	19.25	15.71	11.55	11.62	11.52	11.65
		190°	19.03	19.08	14.12	19.00	16.60	19.08	14.27	19.09	18.05	19.14	15.65	11.60	11.59	11.61	11.50
		200°	19.03	19.06	14.05	19.17	16.68	19.13	14.30	19.14	18.06	19.20	15.76	11.67	11.64	11.67	11.56
		195°	19.14	19.11	14.01	19.12	16.50	19.08	14.27	19.06	18.18	19.13	15.76	11.54	11.65	11.65	11.60
		196°	19.12	19.12	14.12	19.02	16.57	19.17	14.26	19.02	18.13	19.20	15.64	11.62	11.51	11.56	11.65
		197°	19.11	19.11	14.15	19.20	16.52	19.09	14.31	19.09	18.08	19.17	15.78	11.55	11.56	11.55	11.66
		198°	19.07	19.10	14.13	19.00	16.67	19.09	14.42	19.08	18.13	19.25	15.69	11.65	11.64	11.62	11.68
		199°	19.19	19.17	14.14	19.16	16.70	19.17	14.35	19.13	18.04	19.08	15.74	11.52	11.66	11.51	11.56
	Tablet mode	200°	13.14	9.19	9.01	9.02	9.11	9.03	9.14	9.19	9.02	9.17	9.12	7.67	7.54	7.68	7.60
		201°	13.15	9.18	9.10	9.06	9.01	9.14	9.05	9.04	9.19	9.15	9.19	7.53	7.51	7.57	7.62
		202°	13.11	9.14	9.11	9.18	9.09	9.05	9.12	9.03	9.17	9.11	9.10	7.70	7.52	7.60	7.60
		203°	13.08	9.02	9.18	9.09	9.12	9.09	9.04	9.16	9.02	9.07	9.11	7.62	7.59	7.52	7.64
		204°	13.14	9.08	9.20	9.08	9.09	9.08	9.10	9.04	9.17	9.05	9.16	7.52	7.60	7.68	7.51
		205°	13.07	9.02	9.15	9.13	9.06	9.09	9.02	9.12	9.12	9.15	9.20	7.62	7.54	7.57	7.55
		215°	13.06	9.05	9.03	9.15	9.11	9.10	9.11	9.02	9.08	9.08	9.09	7.50	7.60	7.61	7.68
		225°	13.20	9.05	9.14	9.12	9.07	9.15	9.14	9.14	9.16	9.05	9.15	7.52	7.58	7.58	7.64
		235°	13.02	9.02	9.08	9.17	9.19	9.03	9.13	9.12	9.04	9.03	9.16	7.55	7.61	7.65	7.52
		245°	13.02	9.07	9.18	9.11	9.08	9.10	9.05	9.01	9.02	9.08	9.19	7.64	7.51	7.69	7.61
		255°	13.06	9.20	9.19	9.13	9.13	9.13	9.08	9.13	9.03	9.18	9.05	7.68	7.50	7.63	7.57
		265°	13.05	9.01	9.13	9.03	9.16	9.04	9.13	9.11	9.01	9.08	9.12	7.52	7.60	7.65	7.63
		275°	13.17	9.00	9.05	9.04	9.05	9.04	9.12	9.19	9.09	9.08	9.12	7.54	7.59	7.67	7.59
		285°	13.19	9.07	9.05	9.09	9.09	9.11	9.14	9.14	9.10	9.02	9.01	7.69	7.54	7.68	7.63
		295°	13.08	9.00	9.07	9.11	9.14	9.05	9.15	9.02	9.17	9.05	9.11	7.68	7.52	7.69	7.63
		305°	13.15	9.12	9.12	9.10	9.16	9.17	9.17	9.03	9.01	9.11	9.11	7.58	7.61	7.57	7.61
		315°	13.03	9.12	9.17	9.14	9.06	9.03	9.17	9.03	9.03	9.14	9.16	7.52	7.62	7.56	7.61
		325°	13.16	9.18	9.03	9.13	9.03	9.10	9.12	9.03	9.02	9.08	9.07	7.67	7.53	7.50	7.64
		335°	13.17	9.15	9.19	9.12	9.01	9.16	9.16	9.18	9.00	9.16	9.10	7.60	7.60	7.59	7.52
		345°	13.13	9.08	9.13	9.05	9.10	9.05	9.10	9.19	9.06	9.13	9.19	7.57	7.55	7.59	7.60
		355°	13.18	9.14	9.16	9.15	9.19	9.07	9.18	9.05	9.15	9.15	9.07	7.56	7.68	7.62	7.59
		360°	13.07	9.04	9.06	9.08	9.11	9.06	9.13	9.14	9.14	9.10	9.09	7.54	7.68	7.60	7.59
		350°	13.02	9.14	9.05	9.13	9.05	9.01	9.18	9.15	9.02	9.04	9.13	7.51	7.59	7.52	7.64
		340°	13.11	9.01	9.12	9.07	9.15	9.02	9.05	9.05	9.01	9.17	9.06	7.57	7.64	7.61	7.62
		330°	13.15	9.08	9.08	9.15	9.05	9.19	9.04	9.03	9.08	9.01	9.04	7.63	7.51	7.69	7.66
		320°	13.20	9.01	9.19	9.12	9.01	9.02	9.04	9.08	9.04	9.09	9.08	7.67	7.66	7.64	7.52
		310°	13.07	9.19	9.12	9.06	9.20	9.10	9.14	9.03	9.01	9.09	9.14	7.52	7.53	7.70	7.63
		300°	13.08	9.13	9.02	9.18	9.02	9.13	9.04	9.14	9.13	9.01	9.11	7.61	7.54	7.62	7.52
		290°	13.16	9.11	9.01	9.05	9.20	9.07	9.13	9.02	9.10	9.02	9.10	7.56	7.53	7.60	7.54
		280°	13.09	9.07	9.01	9.01	9.07	9.12	9.15	9.17	9.01	9.14	9.07	7.52	7.63	7.65	7.65
		270°	13.18	9.11	9.09	9.07	9.06	9.19	9.17	9.06	9.08	9.01	9.17	7.58	7.60	7.64	7.63
		260°	13.09	9.10	9.14	9.13	9.20	9.11	9.15	9.02	9.09	9.17	9.20	7.70	7.67	7.64	7.54
		250°	13.00	9.08	9.17	9.11	9.14	9.05	9.04	9.01	9.14	9.05	9.07	7.51	7.63	7.62	7.62
		240°	13.11	9.19	9.14	9.07	9.04	9.12	9.03	9.06	9.14	9.11	9.19	7.60	7.67	7.52	7.56
		230°	13.03	9.03	9.02	9.12	9.04	9.14	9.17	9.01	9.06	9.09	9.11	7.68	7.62	7.63	7.51
		220°	13.04	9.18	9.11	9.16	9.17	9.06	9.20	9.03	9.10	9.05	9.09	7.69	7.67	7.66	7.58
		210°	13.17	9.10	9.01	9.07	9.17	9.17	9.14	9.13	9.05	9.12	9.02	7.64	7.59	7.69	7.55
		200°	13.00	9.07	9.06	9.01	9.06	9.14	9.13	9.16	9.11	9.10	9.00	7.56	7.52	7.53	7.64
	Notebook	190°	19.07	19.18	14.13	19.16	16.50	19.01	14.27	19.06	18.17	19.24	15.79	11.60	11.55	11.53	11.66
		195°	19.07	19.12	14.11	19.13	16.63	19.01	14.28	19.03	18.13	19.26	15.78	11.56	11.54	11.65	11.60
	Tablet mode	200°	13.16	9.15	9.10	9.02	9.03	9.07	9.09	9.19	9.13	9.10	9.17	7.52	7.51	7.68	7.64
	Notebook	199°	19.04	19.18	14.14	19.04	16.64	19.08	14.42	19.17	18.18	19.17	15.78	11.63	11.60	11.66	11.68
		198°	19.18	19.10	14.05	19.15	16.51	19.16	14.41	19.14	18.09	19.19	15.69	11.69	11.63	11.56	11.58
		197°	19.13	19.01	14.03	19.08	16.54	19.19	14.27	19.07	18.15	19.11	15.70	11.52	11.63	11.55	11.60
		196°	19.13	19.02	14.19	19.13	16.54	19.11	14.32	19.01	18.13	19.20	15.73	11.51	11.69	11.66	11.63
		195°	19.16	19.08	14.02	19.18	16.68	19.19	14.43	19.07	18.18	19.18	15.62	11.53	11.68	11.57	11.52
		194°	19.17	19.19	14.00	19.11	16.68	19.05	14.28	19.11	18.11	19.18	15.80	11.68	11.55	11.55	11.51
		193°	19.01	19.13	14.14	19.04	16.55	19.18	14.34	19.19	18.16	19.27	15.77	11.50	11.59	11.66	11.65
		192°	19.06	19.04	14.15	19.07	16.68	19.17	14.40	19.10	18.01	19.22	15.72	11.60	11.56	11.65	11.52
		191°	19.04	19.12	14.12	19.14	16.65	19.12	14.43	19.04	18.18	19.08	15.80	11.55	11.59	11.60	11.65
		190°	19.04	19.06	14.18	19.12	16.51	19.13	14.41	19.17	18.00	19.21	15.64	11.60	11.52	11.63	11.57
		180°	19.18	19.03	14.17	19.19	16.53	19.18	14.42	19.05	18.18	19.20	15.81	11.57	11.69	11.67	11.63
		170°	19.00	19.14	14.19	19.14	16.59	19.05	14.32	19.05	18.04	19.11	15.79	11.54	11.67	11.55	11.50
		160°	19.01	19.06	14.13	19.17	16.54	19.02	14.31	19.16	18.09	19.14	15.67	11.59	11.68	11.53	11.65
		150°	19.01	19.05	14.07	19.05	16.55	19.18	14.29	19.10	18.16	19.09	15.65	11.61	11.61	11.58	11.62
		140°	19.02	19.11	14.19	19.14	16.53	19.02	14.36	19.03	18.11	19.27	15.78	11.56	11.52	11.57	11.69
		130°	19.11	19.19	14.04	19.15	16.59	19.20	14.28	19.16	18.17	19.16	15.72	11.52	11.68	11.67	11.61
		120°	19.12	19.05	14.16	19.18	16.66	19.13	14.32	19.09	18.19	19.22	15.74	11.59	11.56	11.59	11.57
		110°	19.01	19.12	14.07	19.09	16.65	19.14	14.27	19.11	18.15	19.27	15.74	11.56	11.56	11.57	11.52
		100°	19.17	19.11	14.04	19.13	16.59	19.08	14.27	19.00	18.19	19.16	15.69	11.68	11.55	11.65	11.51
		90°	19.11	19.03	14.13	19.14	16.67	19.10	14.37	19.15	18.04	19.11	15.68	11.68	11.62	11.63	11.60
		80°	19.18	19.02	14.06	19.17	16.67	19.18	14.28	19.06	18.14	19.24	15.80	11.51	11.54	11.65	11.63
		70°	19.20	19.02	14.07	19.05	16.63	19.08	14.35	19.04	18.14	19.20	15.79	11.65	11.58	11.50	11.66
		60°	19.10	19.02	14.05	19.10	16.66	19.12	14.45	19.19	18.18	19.19	15.63	11.67	11.52	11.51	11.56
		50°	19.15	19.08	14.12	19.02	16.63	19.11	14.39	19.19	18.02	19.14	15.62	11.61	11.61	11.52	11.67
		40°	19.02	19.07	14.05	19.16	16.53	19.10	14.37	19.19	18.03	19.27	15.69	11.61	11.62	11.57	11.63
		30°	19.14	19.08	14.16	19.04	16.64	19.12	14.39	19.17	18.02	19.20	15.80	11.62	11.58	11.52	11.51
		20°	19.19	19.07	14.17	19.01	16.56	19.18	14.30	19.20	18.07	19.27	15.64	11.66	11.66	11.59	11.69
		10°	19.05	19.01	14.15	19.15	16.65	19.04	14.28	19.18	18.13	19.23	15.74	11.51	11.59	11.60	11.52
	Lid close	0°	13.18	9.08	9.05	9.02	9.06	9.13	9.09	9.05	9.11	9.01	9.16	7.61	7.55	7.51	7.70
	Notebook	5°	19.08	19.01	14.11	19.03	16.58	19.01	14.36	19.10	18.15	19.10	15.77	11.63	11.63	11.63	11.51
		4°	19.19	19.04	14.09	19.04	16.64	19.16	14.36	19.20	18.08	19.28	15.78	11.55	11.55	11.58	11.69
	Lid close	3°															
		2°															
		1°															
		0°															

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

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

Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to § 1.1310(e)(1).
According to ANSI/IEEE C95.1-1992, the criteria listed in the following Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.
Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm2 per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*($900/f^2$)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*($180/f^2$)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.
Table 1 to § 1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

6 MAXIMUM OUTPUT POWER

6.1 WLAN

NB 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	21.00	20.60
		6	2437		21.00	20.66
		11	2462		21.00	20.54
	802.11g	1	2412	6Mbps	18.75	18.69
		6	2437		21.00	20.85
		11	2462		18.75	18.56
	802.11n20-HT0	1	2412	MCS0	18.75	18.66
		6	2437		21.00	20.78
		11	2462		18.75	18.67
	802.11ax20-HE0	1	2412	MCS0	18.75	18.63
		6	2437		21.00	20.82
		11	2462		18.75	18.56
	802.11n40-HT0	3	2422	MCS0	16.50	16.35
		6	2437		21.00	20.92
		9	2452		17.00	16.77
	802.11ax40-HE0	3	2422	MCS0	16.50	16.44
		6	2437		21.00	20.91
		9	2452		17.00	16.89

Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	19.25	19.24
		40	5200		21.00	20.99
		44	5220		21.00	20.98
		48	5240		21.00	20.94
	802.11n20-HT0	36	5180	MCS0	19.25	19.08
		40	5200		21.00	20.87
		44	5220		21.00	20.82
		48	5240		21.00	20.94
	802.11ax20-HE0	36	5180	MCS0	19.25	19.04
		40	5200		21.00	20.88
		44	5220		21.00	20.85
		48	5240		21.00	20.89
	802.11n40-HT0	38	5190	MCS0	17.75	17.49
		46	5230		19.50	19.33
	802.11ax40-HE0	38	5190	MCS0	17.75	17.57
		46	5230		19.50	19.33
	802.11ac80-VHT0	42	5210	MCS0	18.75	18.49
	802.11ax80-HE0	42	5210	MCS0	18.75	18.55
	802.11ac160-VHT0	50	5250	MCS0	15.25	15.06
	802.11ax160-HE0	50	5250	MCS0	15.25	15.12

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	21.00	20.99
		56	5280		21.00	20.97
		60	5300		21.00	20.96
		64	5320		19.00	18.99
	802.11n20-HT0	52	5260	MCS0	21.00	20.77
		56	5280		21.00	20.89
		60	5300		21.00	20.87
		64	5320		19.00	18.87
	802.11ax20-HE0	52	5260	MCS0	21.00	20.88
		56	5280		21.00	20.79
		60	5300		21.00	20.85
		64	5320		19.00	18.87
	802.11n40-HT0	54	5270	MCS0	20.50	20.37
		62	5310		17.00	16.88
	802.11ax40-HE0	54	5270	MCS0	20.50	20.40
		62	5310		17.00	16.76
	802.11ac80-VHT0	58	5290	MCS0	17.75	17.52
	802.11ax80-HE0	58	5290	MCS0	17.75	17.60

Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	20.00	19.78
		120	5600		21.00	20.78
		140	5700		21.00	20.82
		144	5720		21.00	20.79
	802.11n20-HT0	100	5500	MCS0	20.00	19.82
		120	5600		21.00	20.84
		140	5700		21.00	20.83
		144	5720		21.00	20.86
	802.11ax20-HE0	100	5500	MCS0	20.00	19.77
		120	5600		21.00	20.81
		140	5700		21.00	20.88
		144	5720		21.00	20.76
	802.11n40-HT0	102	5510	MCS0	18.00	17.87
		118	5590		21.00	20.85
		134	5670		21.00	20.87
		142	5710		21.00	20.80
	802.11ax40-HE0	102	5510	MCS0	18.00	17.83
		118	5590		21.00	20.81
		134	5670		21.00	20.79
		142	5710		21.00	20.87
	802.11ac80-VHT0	106	5530	MCS0	18.00	17.96
		122	5610		21.00	20.93
		138	5690		21.00	20.94
	802.11ax80-HE0	106	5530	MCS0	18.00	17.93
		122	5610		21.00	20.90
		138	5690		21.00	20.87
	802.11ac160-VHT0	114	5570	MCS0	15.50	15.33
	802.11ax160-HE0	114	5570	MCS0	15.50	15.30

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	21.00	20.83
		157	5785		21.00	20.82
		165	5825		21.00	20.80
	802.11n20-HT0	149	5745	MCS0	21.00	20.80
		157	5785		21.00	20.81
		165	5825		21.00	20.83
	802.11ax20-HE0	149	5745	MCS0	21.00	20.93
		157	5785		21.00	20.94
		165	5825		21.00	20.92
	802.11n40-HT0	151	5755	MCS0	21.00	20.99
		159	5795		21.00	20.95
	802.11ax40-HE0	151	5755	MCS0	21.00	20.84
		159	5795		21.00	20.81
	802.11ac80-VHT0	155	5775	MCS0	20.00	19.79
	802.11ax80-HE0	155	5775	MCS0	20.00	19.83

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	19.22	19.10
		173	5865		19.40	19.18
		177	5885		19.39	19.22
	802.11n20-HT0	169	5845	MCS0	19.43	19.23
		173	5865		19.56	19.39
		177	5885		19.44	19.29
	802.11ax20-HE0	169	5845	MCS0	19.68	19.45
		173	5865		19.36	19.22
		177	5885		19.31	19.15
	802.11n40-HT0	167	5835	MCS0	20.95	20.89
		175	5875		21.06	21.05
	802.11ax40-HE0	167	5835	MCS0	20.98	20.88
		175	5875		20.84	20.65
	802.11ac80-VHT0	171	5855	MCS0	20.89	20.75
	802.11ax80-HE0	171	5855	MCS0	20.89	20.77
	802.11ac160-VHT0	163	5815	MCS0	17.77	17.56
	802.11ax160-HE0	163	5815	MCS0	17.91	17.73

Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	21.00	20.98
		6	2437		21.00	20.90
		11	2462		21.00	20.99
	802.11g	1	2412	6Mbps	19.50	19.34
		6	2437		21.00	20.78
		11	2462		18.75	18.51
	802.11n20-HT0	1	2412	MCS0	19.50	19.34
		6	2437		21.00	20.84
		11	2462		18.75	18.54
	802.11ax20-HE0	1	2412	MCS0	19.50	19.37
		6	2437		21.00	20.79
		11	2462		18.75	18.48
	802.11n40-HT0	3	2422	MCS0	16.25	16.08
		6	2437		21.00	20.73
		9	2452		16.00	15.83
	802.11ax40-HE0	3	2422	MCS0	16.25	16.05
		6	2437		21.00	20.83
		9	2452		16.00	15.91

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	20.00	19.91
		40	5200		21.00	20.78
		44	5220		21.00	20.80
		48	5240		21.00	20.83
	802.11n20-HT0	36	5180	MCS0	20.00	19.94
		40	5200		21.00	20.98
		44	5220		21.00	20.86
		48	5240		21.00	20.89
	802.11ax20-HE0	36	5180	MCS0	20.00	19.89
		40	5200		21.00	20.95
		44	5220		21.00	20.82
		48	5240		21.00	20.94
	802.11n40-HT0	38	5190	MCS0	19.50	19.48
		46	5230		21.00	20.99
	802.11ax40-HE0	38	5190	MCS0	19.50	19.40
		46	5230		21.00	20.91
	802.11ac80-VHT0	42	5210	MCS0	19.00	18.84
	802.11ax80-HE0	42	5210	MCS0	19.00	18.87
	802.11ac160-VHT0	50	5250	MCS0	16.00	15.95
	802.11ax160-HE0	50	5250	MCS0	16.00	15.84

Aux						
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	21.00	20.83
		56	5280		21.00	20.80
		60	5300		21.00	20.79
		64	5320		21.00	20.87
	802.11n20-HT0	52	5260	MCS0	21.00	20.86
		56	5280		21.00	20.88
		60	5300		21.00	20.93
		64	5320		21.00	20.83
	802.11ax20-HE0	52	5260	MCS0	21.00	20.83
		56	5280		21.00	20.84
		60	5300		21.00	20.77
		64	5320		21.00	20.83
	802.11n40-HT0	54	5270	MCS0	21.00	20.97
		62	5310		18.25	18.23
	802.11ax40-HE0	54	5270	MCS0	21.00	20.82
		62	5310		18.25	18.16
	802.11ac80-VHT0	58	5290	MCS0	18.50	18.34
	802.11ax80-HE0	58	5290	MCS0	18.50	18.43

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	21.00	20.92
		120	5600		21.00	20.82
		140	5700		21.00	20.79
		144	5720		21.00	20.85
	802.11n20-HT0	100	5500	MCS0	21.00	20.84
		120	5600		21.00	20.91
		140	5700		21.00	20.93
		144	5720		21.00	20.88
	802.11ax20-HE0	100	5500	MCS0	21.00	20.83
		120	5600		21.00	20.75
		140	5700		21.00	20.79
		144	5720		21.00	20.83
	802.11n40-HT0	102	5510	MCS0	20.00	19.80
		118	5590		21.00	20.77
		134	5670		21.00	20.82
		142	5710		21.00	20.87
	802.11ax40-HE0	102	5510	MCS0	20.00	19.84
		118	5590		21.00	20.76
		134	5670		21.00	20.84
		142	5710		21.00	20.87
	802.11ac80-VHT0	106	5530	MCS0	18.00	17.99
		122	5610		21.00	20.94
		138	5690		21.00	20.98
	802.11ax80-HE0	106	5530	MCS0	18.00	17.85
		122	5610		21.00	20.81
		138	5690		21.00	20.90
	802.11ac160-VHT0	114	5570	MCS0	16.25	15.97
	802.11ax160-HE0	114	5570	MCS0	16.25	15.91

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	21.00	20.74
		157	5785		21.00	20.82
		165	5825		21.00	20.89
	802.11n20-HT0	149	5745	MCS0	21.00	20.89
		157	5785		21.00	20.83
		165	5825		21.00	20.92
	802.11ax20-HE0	149	5745	MCS0	21.00	20.85
		157	5785		21.00	20.83
		165	5825		21.00	20.88
	802.11n40-HT0	151	5755	MCS0	21.00	20.93
		159	5795		21.00	20.99
	802.11ax40-HE0	151	5755	MCS0	21.00	20.87
		159	5795		21.00	20.88
	802.11ac80-VHT0	155	5775	MCS0	20.00	19.80
	802.11ax80-HE0	155	5775	MCS0	20.00	19.82

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	19.20	19.07
		173	5865		19.19	19.10
		177	5885		19.43	19.25
	802.11n20-HT0	169	5845	MCS0	19.47	19.39
		173	5865		19.71	19.66
		177	5885		19.64	19.41
	802.11ax20-HE0	169	5845	MCS0	19.47	19.38
		173	5865		19.46	19.40
		177	5885		19.51	19.28
	802.11n40-HT0	167	5835	MCS0	20.97	20.72
		175	5875		20.89	20.84
	802.11ax40-HE0	167	5835	MCS0	20.96	20.95
		175	5875		21.08	21.03
	802.11ac80-VHT0	171	5855	MCS0	20.72	20.51
	802.11ax80-HE0	171	5855	MCS0	20.75	20.58
	802.11ac160-VHT0	163	5815	MCS0	17.61	17.49
	802.11ax160-HE0	163	5815	MCS0	17.29	17.15

TB 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	15.00	14.95
		6	2437		15.00	14.99
		11	2462		15.00	14.98
	802.11g	1	2412	6Mbps	15.00	14.87
		6	2437		15.00	14.76
		11	2462		15.00	14.86
	802.11n20-HT0	1	2412	MCS0	15.00	14.82
		6	2437		15.00	14.81
		11	2462		15.00	14.82
	802.11ax20-HE0	1	2412	MCS0	15.00	14.91
		6	2437		15.00	14.94
		11	2462		15.00	14.88
	802.11n40-HT0	3	2422	MCS0	15.00	14.80
		6	2437		15.00	14.84
		9	2452		15.00	14.94
	802.11ax40-HE0	3	2422	MCS0	15.00	14.91
		6	2437		15.00	14.91
		9	2452		15.00	14.94

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	10.00	9.97
		40	5200		10.00	9.92
		44	5220		10.00	9.94
		48	5240		10.00	9.95
	802.11n20-HT0	36	5180	MCS0	10.00	9.76
		40	5200		10.00	9.93
		44	5220		10.00	9.94
		48	5240		10.00	9.92
	802.11ax20-HE0	36	5180	MCS0	10.00	9.84
		40	5200		10.00	9.83
		44	5220		10.00	9.80
		48	5240		10.00	9.76
	802.11n40-HT0	38	5190	MCS0	10.00	9.87
		46	5230		10.00	9.86
	802.11ax40-HE0	38	5190	MCS0	10.00	9.81
		46	5230		10.00	9.84
	802.11ac80-VHT0	42	5210	MCS0	10.00	9.88
	802.11ax80-HE0	42	5210	MCS0	10.00	9.83
	802.11ac160-VHT0	50	5250	MCS0	10.00	9.98
	802.11ax160-HE0	50	5250	MCS0	10.00	9.81

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	10.00	9.79
		56	5280		10.00	9.82
		60	5300		10.00	9.92
		64	5320		10.00	9.80
	802.11n20-HT0	52	5260	MCS0	10.00	9.79
		56	5280		10.00	9.79
		60	5300		10.00	9.94
		64	5320		10.00	9.93
	802.11ax20-HE0	52	5260	MCS0	10.00	9.77
		56	5280		10.00	9.87
		60	5300		10.00	9.83
		64	5320		10.00	9.86
	802.11n40-HT0	54	5270	MCS0	10.00	9.91
		62	5310		10.00	9.94
	802.11ax40-HE0	54	5270	MCS0	10.00	9.86
		62	5310		10.00	9.92
	802.11ac80-VHT0	58	5290	MCS0	10.00	9.99
	802.11ax80-HE0	58	5290	MCS0	10.00	9.81

Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	10.00	9.81
		120	5600		10.00	9.88
		140	5700		10.00	9.97
		144	5720		10.00	9.78
	802.11n20-HT0	100	5500	MCS0	10.00	9.92
		120	5600		10.00	9.88
		140	5700		10.00	9.78
		144	5720		10.00	9.90
	802.11ax20-HE0	100	5500	MCS0	10.00	9.76
		120	5600		10.00	9.94
		140	5700		10.00	9.82
		144	5720		10.00	9.76
	802.11n40-HT0	102	5510	MCS0	10.00	9.78
		118	5590		10.00	9.77
		134	5670		10.00	9.80
		142	5710		10.00	9.87
	802.11ax40-HE0	102	5510	MCS0	10.00	9.76
		118	5590		10.00	9.91
		134	5670		10.00	9.81
		142	5710		10.00	9.78
	802.11ac80-VHT0	106	5530	MCS0	10.00	9.93
		122	5610		10.00	9.86
		138	5690		10.00	9.90
	802.11ax80-HE0	106	5530	MCS0	10.00	9.81
		122	5610		10.00	9.85
		138	5690		10.00	9.82
	802.11ac160-VHT0	114	5570	MCS0	10.00	9.98
	802.11ax160-HE0	114	5570	MCS0	10.00	9.88

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	10.00	9.75
		157	5785		10.00	9.76
		165	5825		10.00	9.79
	802.11n20-HT0	149	5745	MCS0	10.00	9.85
		157	5785		10.00	9.81
		165	5825		10.00	9.92
	802.11ax20-HE0	149	5745	MCS0	10.00	9.77
		157	5785		10.00	9.76
		165	5825		10.00	9.88
	802.11n40-HT0	151	5755	MCS0	10.00	9.86
		159	5795		10.00	9.91
	802.11ax40-HE0	151	5755	MCS0	10.00	9.79
		159	5795		10.00	9.84
	802.11ac80-VHT0	155	5775	MCS0	10.00	9.99
	802.11ax80-HE0	155	5775	MCS0	10.00	9.85

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	10.00	9.88
		173	5865		10.00	9.89
		177	5885		10.00	9.86
	802.11n20-HT0	169	5845	MCS0	10.00	9.88
		173	5865		10.00	9.84
		177	5885		10.00	9.83
	802.11ax20-HE0	169	5845	MCS0	10.00	9.82
		173	5865		10.00	9.90
		177	5885		10.00	9.73
	802.11n40-HT0	167	5835	MCS0	10.00	9.97
		175	5875		10.00	9.92
	802.11ax40-HE0	167	5835	MCS0	10.00	9.75
		175	5875		10.00	9.73
	802.11ac80-VHT0	171	5855	MCS0	10.00	9.98
	802.11ax80-HE0	171	5855	MCS0	10.00	9.76
	802.11ac160-VHT0	163	5815	MCS0	10.00	9.99
	802.11ax160-HE0	163	5815	MCS0	10.00	9.91

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	15.00	14.99
		6	2437		15.00	14.96
		11	2462		15.00	14.94
	802.11g	1	2412	6Mbps	15.00	14.76
		6	2437		15.00	14.80
		11	2462		15.00	14.79
	802.11n20-HT0	1	2412	MCS0	15.00	14.90
		6	2437		15.00	14.82
		11	2462		15.00	14.94
	802.11ax20-HE0	1	2412	MCS0	15.00	14.80
		6	2437		15.00	14.79
		11	2462		15.00	14.79
	802.11n40-HT0	3	2422	MCS0	15.00	14.81
		6	2437		15.00	14.83
		9	2452		15.00	14.89
	802.11ax40-HE0	3	2422	MCS0	15.00	14.86
		6	2437		15.00	14.86
		9	2452		15.00	14.90

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	10.92
		40	5200		11.00	10.85
		44	5220		11.00	10.76
		48	5240		11.00	10.91
	802.11n20-HT0	36	5180	MCS0	11.00	10.80
		40	5200		11.00	10.94
		44	5220		11.00	10.92
		48	5240		11.00	10.81
	802.11ax20-HE0	36	5180	MCS0	11.00	10.89
		40	5200		11.00	10.82
		44	5220		11.00	10.77
		48	5240		11.00	10.93
	802.11n40-HT0	38	5190	MCS0	11.00	10.87
		46	5230		11.00	10.93
	802.11ax40-HE0	38	5190	MCS0	11.00	10.86
		46	5230		11.00	10.92
	802.11ac80-VHT0	42	5210	MCS0	11.00	10.91
	802.11ax80-HE0	42	5210	MCS0	11.00	10.87
	802.11ac160-VHT0	50	5250	MCS0	11.00	10.98
	802.11ax160-HE0	50	5250	MCS0	11.00	10.79

Aux						
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	10.88
		56	5280		11.00	10.78
		60	5300		11.00	10.88
		64	5320		11.00	10.77
	802.11n20-HT0	52	5260	MCS0	11.00	10.83
		56	5280		11.00	10.81
		60	5300		11.00	10.80
		64	5320		11.00	10.81
	802.11ax20-HE0	52	5260	MCS0	11.00	10.82
		56	5280		11.00	10.81
		60	5300		11.00	10.92
		64	5320		11.00	10.84
	802.11n40-HT0	54	5270	MCS0	11.00	10.92
		62	5310		11.00	10.86
	802.11ax40-HE0	54	5270	MCS0	11.00	10.78
		62	5310		11.00	10.92
	802.11ac80-VHT0	58	5290	MCS0	11.00	10.99
	802.11ax80-HE0	58	5290	MCS0	11.00	10.84

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	11.00	10.75
		120	5600		11.00	10.85
		140	5700		11.00	10.75
		144	5720		11.00	10.90
	802.11n20-HT0	100	5500	MCS0	11.00	10.87
		120	5600		11.00	10.82
		140	5700		11.00	10.81
		144	5720		11.00	10.85
	802.11ax20-HE0	100	5500	MCS0	11.00	10.88
		120	5600		11.00	10.86
		140	5700		11.00	10.80
		144	5720		11.00	10.83
	802.11n40-HT0	102	5510	MCS0	11.00	10.92
		118	5590		11.00	10.83
		134	5670		11.00	10.79
		142	5710		11.00	10.83
	802.11ax40-HE0	102	5510	MCS0	11.00	10.82
		118	5590		11.00	10.91
		134	5670		11.00	10.78
		142	5710		11.00	10.82
	802.11ac80-VHT0	106	5530	MCS0	11.00	10.87
		122	5610		11.00	10.77
		138	5690		11.00	10.78
	802.11ax80-HE0	106	5530	MCS0	11.00	10.80
		122	5610		11.00	10.77
		138	5690		11.00	10.81
	802.11ac160-VHT0	114	5570	MCS0	11.00	10.95
	802.11ax160-HE0	114	5570	MCS0	11.00	10.74

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	10.90
		157	5785		11.00	10.78
		165	5825		11.00	10.78
	802.11n20-HT0	149	5745	MCS0	11.00	10.92
		157	5785		11.00	10.92
		165	5825		11.00	10.84
	802.11ax20-HE0	149	5745	MCS0	11.00	10.93
		157	5785		11.00	10.77
		165	5825		11.00	10.77
	802.11n40-HT0	151	5755	MCS0	11.00	10.87
		159	5795		11.00	10.83
	802.11ax40-HE0	151	5755	MCS0	11.00	10.75
		159	5795		11.00	10.90
	802.11ac80-VHT0	155	5775	MCS0	11.00	10.99
	802.11ax80-HE0	155	5775	MCS0	11.00	10.93

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	10.84
		173	5865		11.00	10.74
		177	5885		11.00	10.72
	802.11n20-HT0	169	5845	MCS0	11.00	10.80
		173	5865		11.00	10.79
		177	5885		11.00	10.82
	802.11ax20-HE0	169	5845	MCS0	11.00	10.77
		173	5865		11.00	10.80
		177	5885		11.00	10.85
	802.11n40-HT0	167	5835	MCS0	11.00	10.94
		175	5875		11.00	10.97
	802.11ax40-HE0	167	5835	MCS0	11.00	10.71
		175	5875		11.00	10.86
	802.11ac80-VHT0	171	5855	MCS0	11.00	10.98
	802.11ax80-HE0	171	5855	MCS0	11.00	10.78
	802.11ac160-VHT0	163	5815	MCS0	11.00	10.99
	802.11ax160-HE0	163	5815	MCS0	11.00	10.85

6.2 WIFI 6E

NB 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	7.00	6.79
		45	6175		7.00	6.95
		93	6415		7.00	6.81
	802.11ax40-HE0	3	5965	MCS0	10.00	9.86
		43	6165		10.00	9.90
		91	6405		10.00	9.80
	802.11ax80-HE0	7	5985	MCS0	13.00	12.84
		39	6145		13.00	12.84
		87	6385		13.00	12.83
	802.11ax160-HE0	15	6025	MCS0	13.50	13.49
		47	6185		13.50	13.48
		79	6345		13.50	13.46
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	7.00	6.91
		105	6475		7.00	6.85
		113	6515		7.00	6.82
	802.11ax40-HE0	99	6445	MCS0	10.00	9.93
		107	6485		10.00	9.85
	802.11ax80-HE0	103	6465	MCS0	13.00	12.89
		119	6545		13.00	12.80
	802.11ax160-HE0	111	6505	MCS0	13.50	13.48

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	7.00	6.81
		149	6695		7.00	6.93
		181	6855		7.00	6.76
	802.11ax40-HE0	115	6525	MCS0	10.00	9.78
		147	6685		10.00	9.87
		179	6845		10.00	9.76
	802.11ax80-HE0	135	6625	MCS0	13.00	12.92
		151	6705		13.00	12.80
		167	6785		13.00	12.93
	802.11ax160-HE0	143	6665	MCS0	13.50	13.45
		175	6825		13.50	13.49

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	7.00	6.92
		209	6995		7.00	6.94
		233	7115		7.00	6.93
	802.11ax40-HE0	187	6885	MCS0	10.00	9.91
		227	7085		10.00	9.81
	802.11ax80-HE0	183	6865	MCS0	13.00	12.91
		199	6945		13.00	12.76
		215	7025		13.00	12.87
	802.11ax160-HE0	207	6985	MCS0	13.50	13.48

Aux						
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	7.00	6.87
		45	6175		7.00	6.80
		93	6415		7.00	6.85
	802.11ax40-HE0	3	5965	MCS0	10.00	9.93
		43	6165		10.00	9.73
		91	6405		10.00	9.77
	802.11ax80-HE0	7	5985	MCS0	13.00	12.74
		39	6145		13.00	12.80
		87	6385		13.00	12.92
	802.11ax160-HE0	15	6025	MCS0	13.50	13.46
		47	6185		13.50	13.47
		79	6345		13.50	13.44

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	7.00	6.81
		105	6475		7.00	6.83
		113	6515		7.00	6.78
	802.11ax40-HE0	99	6445	MCS0	10.00	9.82
		107	6485		10.00	9.83
	802.11ax80-HE0	103	6465	MCS0	13.00	12.83
		119	6545		13.00	12.87
	802.11ax160-HE0	111	6505	MCS0	13.50	13.48

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	7.00	6.92
		149	6695		7.00	6.79
		181	6855		7.00	6.87
	802.11ax40-HE0	115	6525	MCS0	10.00	9.80
		147	6685		10.00	9.87
		179	6845		10.00	9.79
	802.11ax80-HE0	135	6625	MCS0	13.00	12.91
		151	6705		13.00	12.87
		167	6785		13.00	12.88
	802.11ax160-HE0	143	6665	MCS0	13.50	13.49
		175	6825		13.50	13.45

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	7.00	6.78
		209	6995		7.00	6.78
		233	7115		7.00	6.86
	802.11ax40-HE0	187	6885	MCS0	10.00	9.83
		227	7085		10.00	9.77
	802.11ax80-HE0	183	6865	MCS0	13.00	12.87
		199	6945		13.00	12.73
		215	7025		13.00	12.84
	802.11ax160-HE0	207	6985	MCS0	13.50	13.45

TB 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	7.00	6.87
		45	6175		7.00	6.91
		93	6415		7.00	6.86
	802.11ax40-HE0	3	5965	MCS0	9.00	8.83
		43	6165		9.00	8.83
		91	6405		9.00	8.82
	802.11ax80-HE0	7	5985	MCS0	9.00	8.92
		39	6145		9.00	8.87
		87	6385		9.00	8.82
	802.11ax160-HE0	15	6025	MCS0	9.00	8.97
		47	6185		9.00	8.98
		79	6345		9.00	8.99
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	7.00	6.82
		105	6475		7.00	6.91
		113	6515		7.00	6.79
	802.11ax40-HE0	99	6445	MCS0	9.00	8.75
		107	6485		9.00	8.87
	802.11ax80-HE0	103	6465	MCS0	9.00	8.93
		119	6545		9.00	8.89
	802.11ax160-HE0	111	6505	MCS0	9.00	8.99

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	7.00	6.82
		149	6695		7.00	6.87
		181	6855		7.00	6.89
	802.11ax40-HE0	115	6525	MCS0	9.00	8.79
		147	6685		9.00	8.92
		179	6845		9.00	8.74
	802.11ax80-HE0	135	6625	MCS0	9.00	8.76
		151	6705		9.00	8.81
		167	6785		9.00	8.82
	802.11ax160-HE0	143	6665	MCS0	9.00	8.94
		175	6825		9.00	8.98

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	7.00	6.78
		209	6995		7.00	6.91
		233	7115		7.00	6.91
	802.11ax40-HE0	187	6885	MCS0	9.00	8.95
		227	7085		9.00	8.95
	802.11ax80-HE0	183	6865	MCS0	9.00	8.78
		199	6945		9.00	8.91
		215	7025		9.00	8.83
	802.11ax160-HE0	207	6985	MCS0	9.00	8.99

Aux						
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	7.00	6.91
		45	6175		7.00	6.76
		93	6415		7.00	6.75
	802.11ax40-HE0	3	5965	MCS0	9.50	9.42
		43	6165		9.50	9.35
		91	6405		9.50	9.31
	802.11ax80-HE0	7	5985	MCS0	9.50	9.41
		39	6145		9.50	9.34
		87	6385		9.50	9.38
	802.11ax160-HE0	15	6025	MCS0	9.50	9.49
		47	6185		9.50	9.48
		79	6345		9.50	9.47

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	7.00	6.85
		105	6475		7.00	6.94
		113	6515		7.00	6.89
	802.11ax40-HE0	99	6445	MCS0	9.50	9.42
		107	6485		9.50	9.38
	802.11ax80-HE0	103	6465	MCS0	9.50	9.33
		119	6545		9.50	9.27
	802.11ax160-HE0	111	6505	MCS0	9.50	9.47

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	7.00	6.82
		149	6695		7.00	6.90
		181	6855		7.00	6.91
	802.11ax40-HE0	115	6525	MCS0	9.50	9.37
		147	6685		9.50	9.36
		179	6845		9.50	9.25
	802.11ax80-HE0	135	6625	MCS0	9.50	9.37
		151	6705		9.50	9.26
		167	6785		9.50	9.36
	802.11ax160-HE0	143	6665	MCS0	9.50	9.49
		175	6825		9.50	9.46

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	7.00	6.82
		209	6995		7.00	6.75
		233	7115		7.00	6.77
	802.11ax40-HE0	187	6885	MCS0	9.50	9.39
		227	7085		9.50	9.23
	802.11ax80-HE0	183	6865	MCS0	9.50	9.26
		199	6945		9.50	9.40
		215	7025		9.50	9.36
	802.11ax160-HE0	207	6985	MCS0	9.50	9.43

6.3 Bluetooth

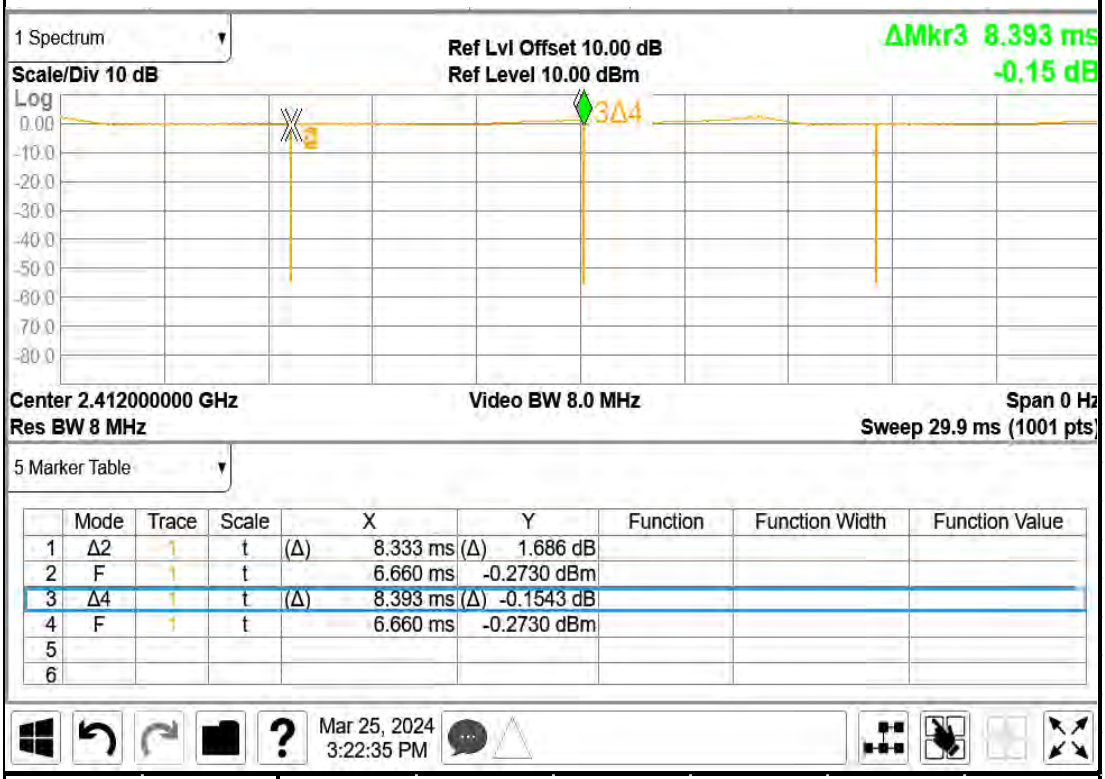
Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
BR/EDR	CH 00	2402	10.50	9.44	9.50	7.75	9.50	7.74
	CH 39	2441		9.53		7.89		7.86
	CH 78	2480		9.68		7.95		7.98

6.4 BLE

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_1M	CH 00	2402	9	7.14
	CH 19	2440		7.21
	CH 39	2480		7.30

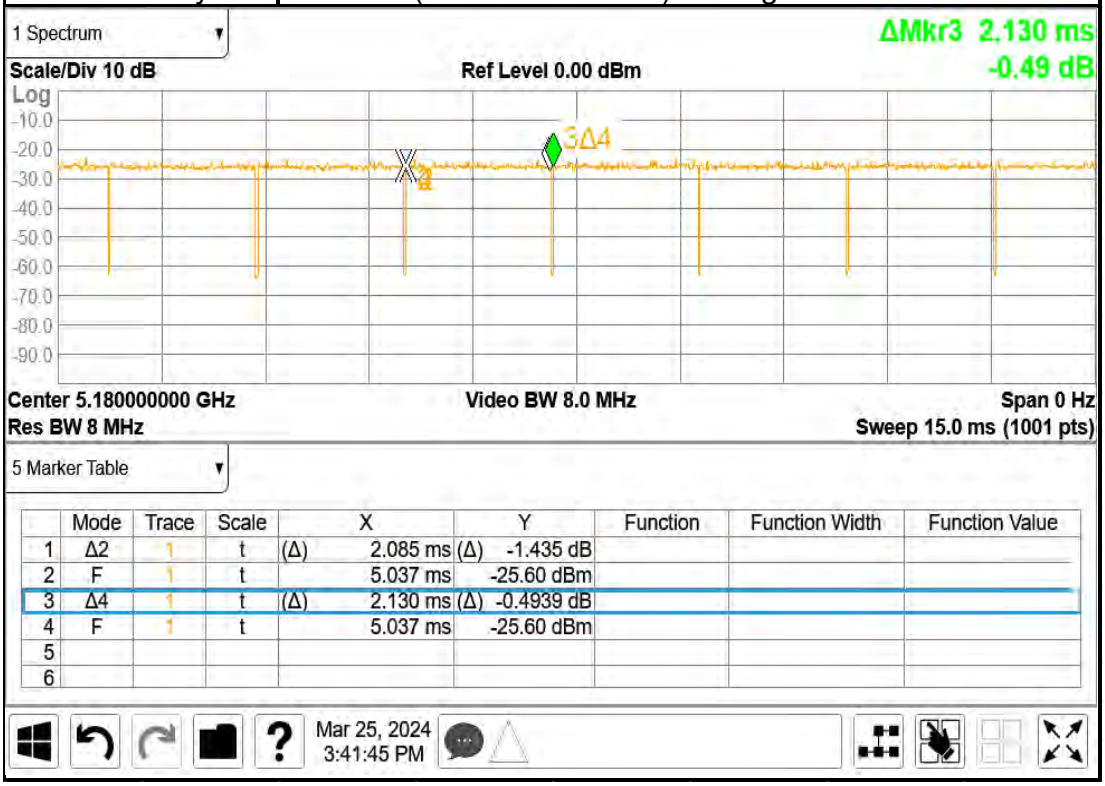
7 DUTY CYCLE

2.4G b duty	(8.333/8.393=0.992) Scaling Factor=1.008



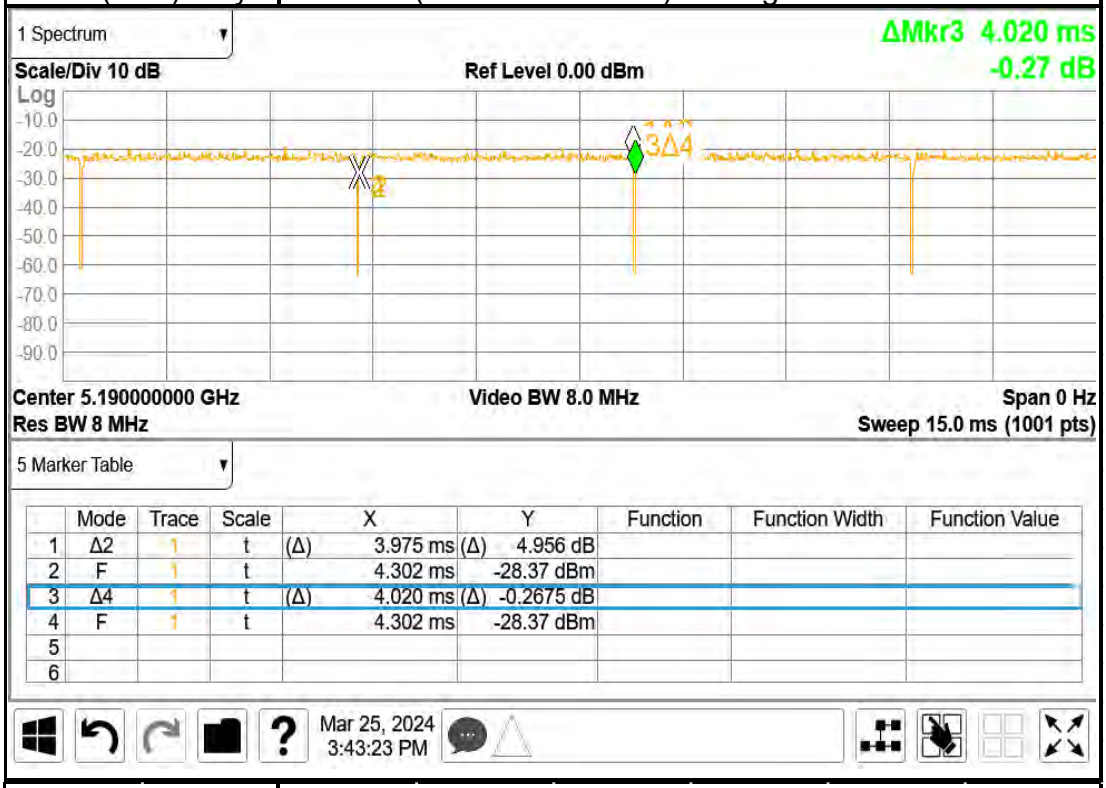
	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ) 8.333 ms	(Δ) 1.686 dB			
2	F	1	t	6.660 ms	-0.2730 dBm			
3	Δ4	1	t	(Δ) 8.393 ms	(Δ) -0.1543 dB			
4	F	1	t	6.660 ms	-0.2730 dBm			
5								
6								

5G a Duty	(2.085/2.13=0.978) Scaling Factor=1.022



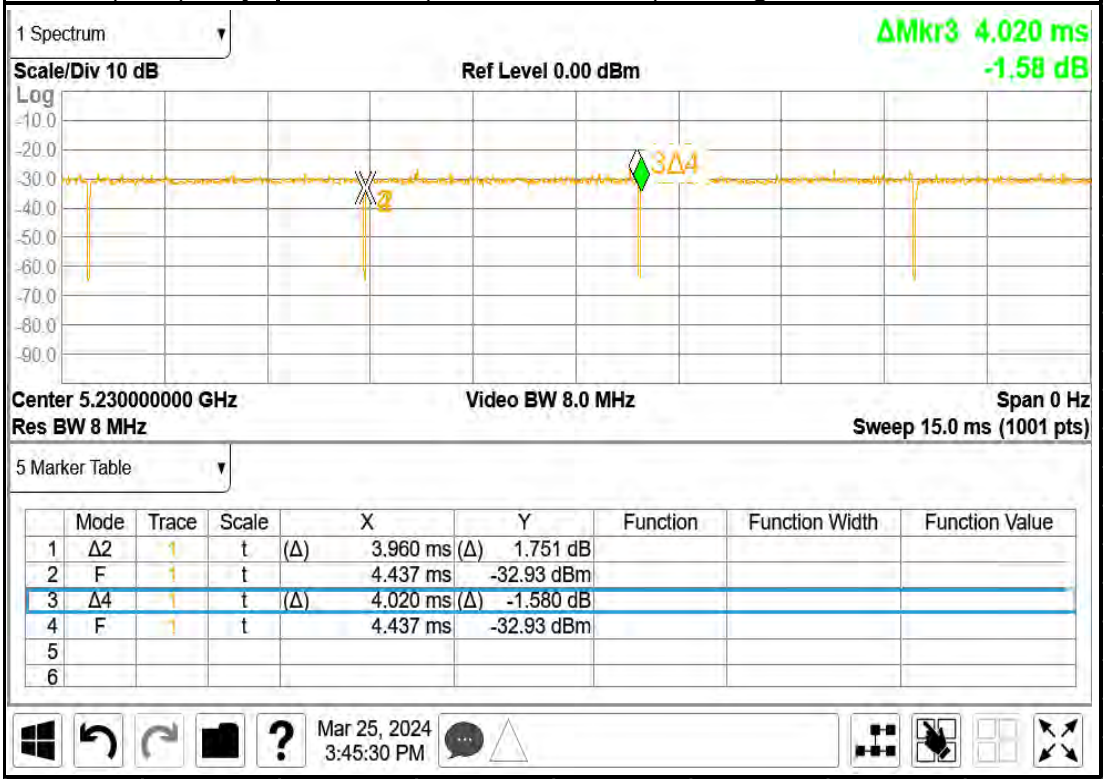
	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ) 2.085 ms	(Δ) -1.435 dB			
2	F	1	t	5.037 ms	-25.60 dBm			
3	Δ4	1	t	(Δ) 2.130 ms	(Δ) -0.4939 dB			
4	F	1	t	5.037 ms	-25.60 dBm			
5								
6								

5G n(40M) Duty	(3.975/4.02=0.988) Scaling Factor=1.012



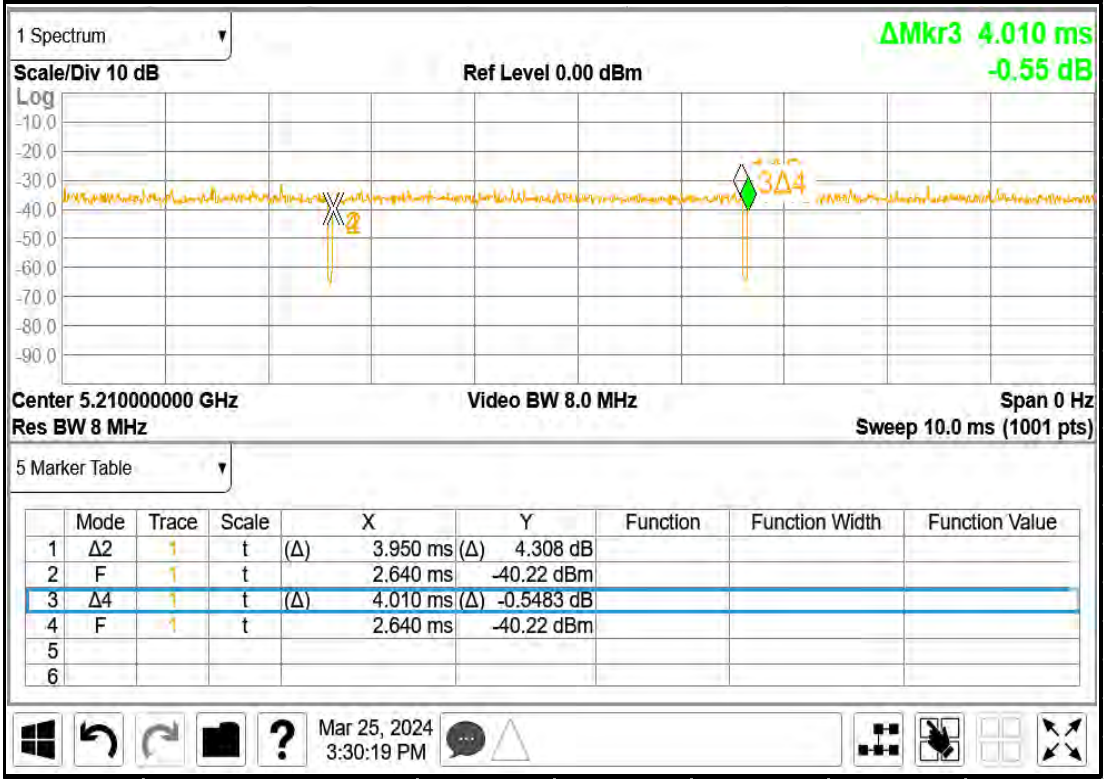
	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ) 3.975 ms	(Δ) 4.956 dB			
2	F	1	t	4.302 ms	-28.37 dBm			
3	Δ4	1	t	(Δ) 4.020 ms	(Δ) -0.2675 dB			
4	F	1	t	4.302 ms	-28.37 dBm			
5								
6								

5G ax(40M) Duty	(3.96/4.02=0.985) Scaling Factor=1.015

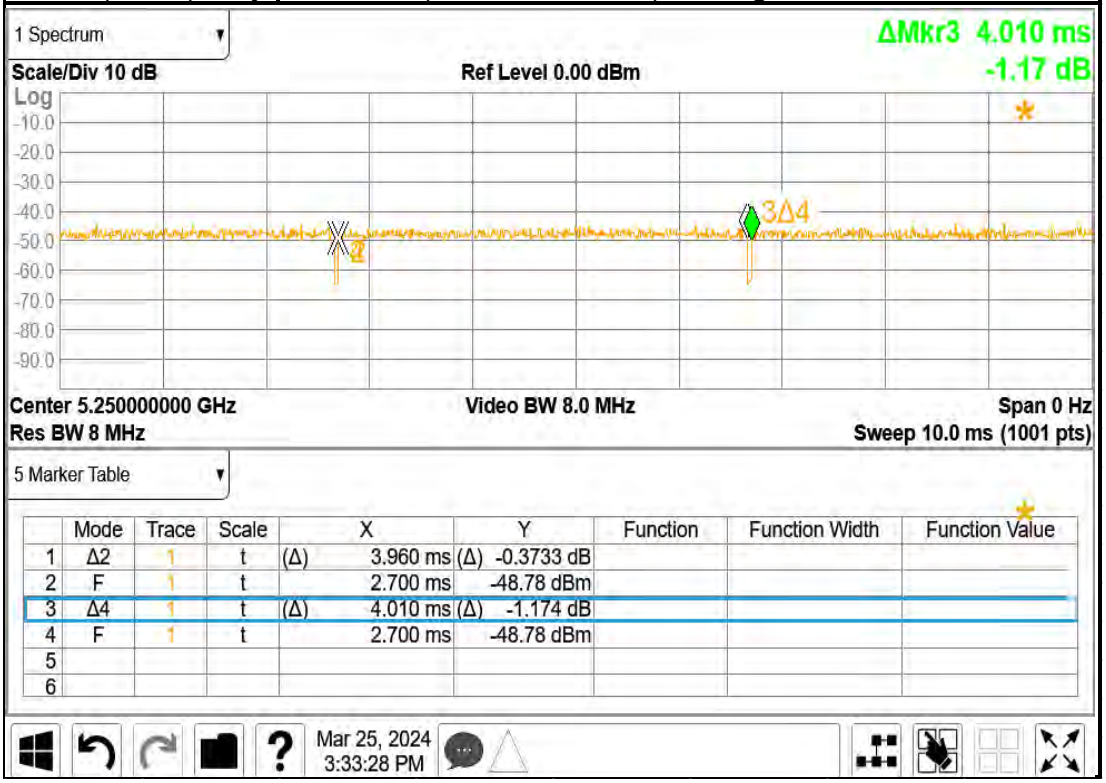


	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ) 3.960 ms	(Δ) 1.751 dB			
2	F	1	t	4.437 ms	-32.93 dBm			
3	Δ4	1	t	(Δ) 4.020 ms	(Δ) -1.580 dB			
4	F	1	t	4.437 ms	-32.93 dBm			
5								
6								

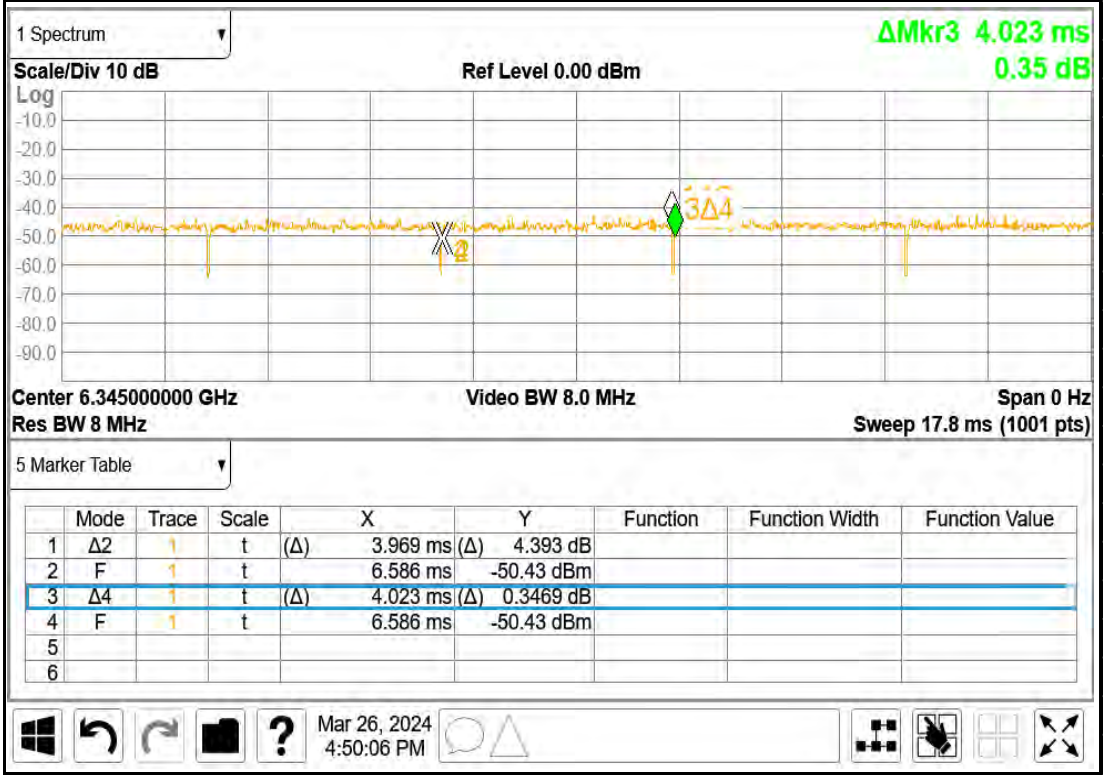
5G ac(80M) Duty	(3.95/4.01=0.985) Scaling Factor=1.015



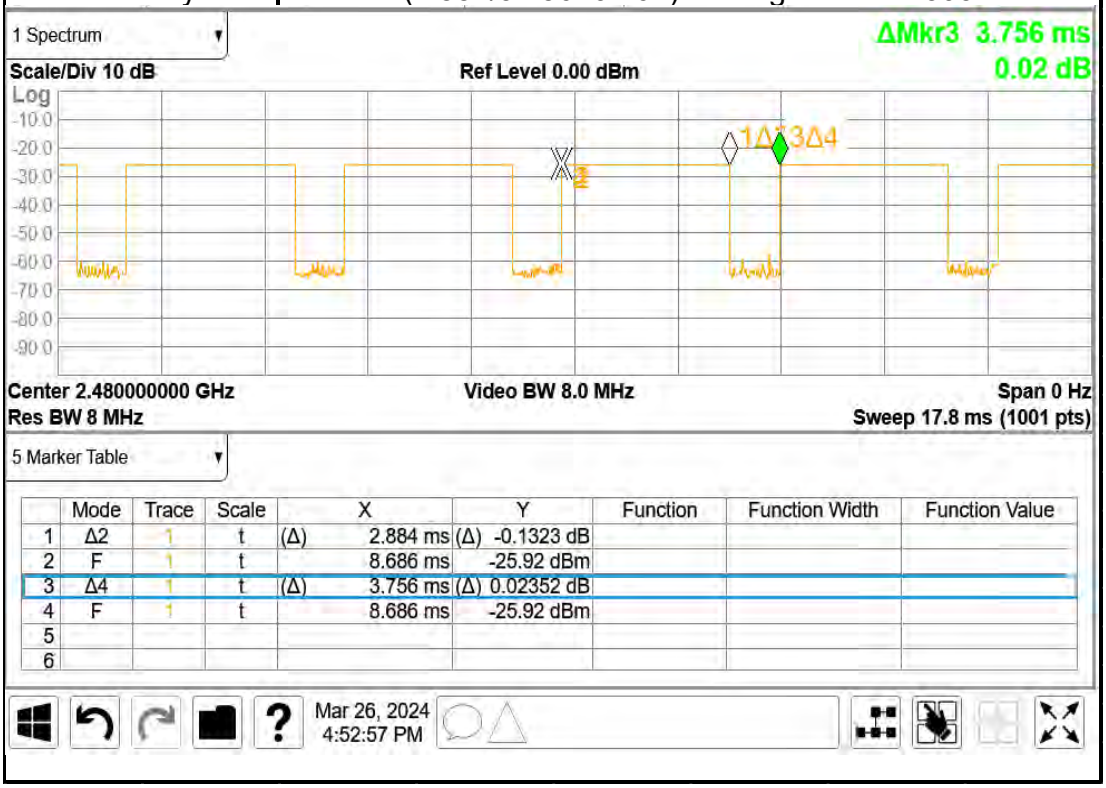
5G ac(160M) Duty	(3.96/4.01=0.987) Scaling Factor=1.013



6E ax(160M) Duty	(3.969/4.023=0.985) Scaling Factor=1.015



BT Duty	(2.884/3.756=0.767) Scaling Factor=1.303



8 SUMMARY OF RESULTS

8.1 Decision rules

Reported measurement data comply with Test Methodology in section 1.1.
Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

8.2 Summary of SAR Results

TB 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	Back Surface	0	1	2412	15.00	14.95	1.01	101.16%	0.937	0.955	-
WLAN 802.11b	Main	Back Surface	0	6	2437	15.00	14.99	1.01	100.23%	1.060	1.071	-
WLAN 802.11b	Main	Back Surface	0	11	2462	15.00	14.98	1.01	100.46%	1.070	1.084	001
WLAN 802.11b	Main	Top Edge	0	6	2437	15.00	14.99	1.01	100.23%	0.058	0.059	-
WLAN 802.11b	Main	Bottom Edge	0	6	2437	15.00	14.99	1.01	100.23%	0.006	0.006	-
WLAN 802.11b	Main	Right Edge	0	6	2437	15.00	14.99	1.01	100.23%	0.007	0.007	-
WLAN 802.11b	Main	Left Edge	0	6	2437	15.00	14.99	1.01	100.23%	0.165	0.167	-
Repeated	Main	Back Surface	0	11	2462	15	14.98	1.01	100.46%	1.020	1.033	-
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	10.00	9.98	1.02	100.46%	0.871	0.894	002
WLAN 802.11ac(160M) 5.2G	Main	Top Edge	0	50	5250	10.00	9.98	1.02	100.46%	0.070	0.072	-
WLAN 802.11ac(160M) 5.2G	Main	Bottom Edge	0	50	5250	10.00	9.98	1.02	100.46%	0.001	0.001	-
WLAN 802.11ac(160M) 5.2G	Main	Right Edge	0	50	5250	10.00	9.98	1.02	100.46%	0.064	0.066	-
WLAN 802.11ac(160M) 5.2G	Main	Left Edge	0	50	5250	10.00	9.98	1.02	100.46%	0.011	0.011	-
Repeated		Back Surface	0	50	5250.00	10.00	9.98	1.02	100.46%	0.867	0.890	
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	10.00	9.99	1.02	100.23%	0.731	0.749	003
WLAN 802.11ac(80M) 5.3G	Main	Top Edge	0	58	5290	10.00	9.99	1.02	100.23%	0.027	0.028	-
WLAN 802.11ac(80M) 5.3G	Main	Bottom Edge	0	58	5290	10.00	9.99	1.02	100.23%	0.023	0.024	-
WLAN 802.11ac(80M) 5.3G	Main	Right Edge	0	58	5290	10.00	9.99	1.02	100.23%	0.013	0.013	-
WLAN 802.11ac(80M) 5.3G	Main	Left Edge	0	58	5290	10.00	9.99	1.02	100.23%	0.149	0.153	-
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	10.00	9.98	1.02	100.46%	0.810	0.832	004
WLAN 802.11ac(160M) 5.6G	Main	Top Edge	0	114	5570	10.00	9.98	1.02	100.46%	0.049	0.050	-
WLAN 802.11ac(160M) 5.6G	Main	Bottom Edge	0	114	5570	10.00	9.98	1.02	100.46%	0.030	0.031	-
WLAN 802.11ac(160M) 5.6G	Main	Right Edge	0	114	5570	10.00	9.98	1.02	100.46%	0.048	0.049	-
WLAN 802.11ac(160M) 5.6G	Main	Left Edge	0	114	5570	10.00	9.98	1.02	100.46%	0.158	0.162	-
Repeated		Back Surface	0	114	5570	10.00	9.98	1.02	100.46%	0.807	0.829	
WLAN 802.11ac(80M) 5.6G	Main	Back Surface	0	106	5530	10.00	9.93	1.02	101.62%	0.627	0.647	005
WLAN 802.11ac(80M) 5.6G	Main	Back Surface	0	122	5610	10.00	9.86	1.02	103.28%	0.592	0.621	-
WLAN 802.11ac(80M) 5.6G	Main	Back Surface	0	138	5690	10.00	9.90	1.02	102.33%	0.611	0.635	-
WLAN 802.11ac(80M) 5.6G	Main	Top Edge	0	106	5530	10.00	9.93	1.02	101.62%	0.075	0.077	-
WLAN 802.11ac(80M) 5.6G	Main	Bottom Edge	0	106	5530	10.00	9.93	1.02	101.62%	0.035	0.036	-
WLAN 802.11ac(80M) 5.6G	Main	Right Edge	0	106	5530	10.00	9.93	1.02	101.62%	0.065	0.067	-
WLAN 802.11ac(80M) 5.6G	Main	Left Edge	0	106	5530	10.00	9.93	1.02	101.62%	0.138	0.142	-
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	10.00	9.99	1.02	100.23%	0.995	1.019	006
WLAN 802.11ac(80M) 5.8G	Main	Top Edge	0	155	5775	10.00	9.99	1.02	100.23%	0.085	0.087	-
WLAN 802.11ac(80M) 5.8G	Main	Bottom Edge	0	155	5775	10.00	9.99	1.02	100.23%	0.055	0.056	-
WLAN 802.11ac(80M) 5.8G	Main	Right Edge	0	155	5775	10.00	9.99	1.02	100.23%	0.037	0.038	-
WLAN 802.11ac(80M) 5.8G	Main	Left Edge	0	155	5775	10.00	9.99	1.02	100.23%	0.183	0.187	-
Repeated		Back Surface	0	155	5775	10.00	9.99	1.02	100.23%	0.989	1.013	
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(160M) 5.9G	Main	Back Surface	0	163	5815	10.00	9.99	1.02	100.23%	1.070	1.096	007
WLAN 802.11ac(160M) 5.9G	Main	Top Edge	0	163	5815	10.00	9.99	1.02	100.23%	0.040	0.041	-
WLAN 802.11ac(160M) 5.9G	Main	Bottom Edge	0	163	5815	10.00	9.99	1.02	100.23%	0.001	0.001	-
WLAN 802.11ac(160M) 5.9G	Main	Right Edge	0	163	5815	10.00	9.99	1.02	100.23%	0.001	0.001	-
WLAN 802.11ac(160M) 5.9G	Main	Left Edge	0	163	5815	10.00	9.99	1.02	100.23%	0.217	0.222	-
Repeated		Back Surface	0	163	5815	10.00	9.99	1.02	100.23%	1.060	1.086	

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	15.00	14.99	1.01	100.23%	0.910	0.919	008
WLAN 802.11b	Aux	Back Surface	0	6	2437	15.00	14.96	1.01	100.93%	0.860	0.875	-
WLAN 802.11b	Aux	Top Edge	0	1	2412	15.00	14.99	1.01	100.23%	0.021	0.021	-
WLAN 802.11b	Aux	Bottom Edge	0	1	2412	15.00	14.99	1.01	100.23%	0.006	0.006	-
WLAN 802.11b	Aux	Right Edge	0	1	2412	15.00	14.99	1.01	100.23%	0.148	0.150	-
WLAN 802.11b	Aux	Left Edge	0	1	2412	15.00	14.99	1.01	100.23%	0.005	0.005	-
Repeated		Back Surface	0	1	2412	15.00	14.99	1.01	100.23%	0.899	0.908	

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	10.50	9.44	1.30	127.64%	0.123	0.205	-
Bluetooth(GFSK)	Aux	Back Surface	0	39	2441	10.50	9.53	1.30	125.03%	0.127	0.207	-
Bluetooth(GFSK)	Aux	Back Surface	0	78	2480	10.50	9.68	1.30	120.78%	0.138	0.217	009
Bluetooth(GFSK)	Aux	Top Edge	0	78	2480	10.50	9.68	1.30	120.78%	0.001	0.002	-
Bluetooth(GFSK)	Aux	Bottom Edge	0	78	2480	10.50	9.68	1.30	120.78%	0.001	0.002	-
Bluetooth(GFSK)	Aux	Right Edge	0	78	2480	10.50	9.68	1.30	120.78%	0.049	0.077	-
Bluetooth(GFSK)	Aux	Left Edge	0	78	2480	10.50	9.68	1.30	120.78%	0.001	0.002	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(160M) 5.2G	Aux	Back Surface	0	50	5250	11.00	10.98	1.02	100.46%	0.889	0.913	010
WLAN 802.11ac(160M) 5.2G	Aux	Top Edge	0	50	5250	11.00	10.98	1.02	100.46%	0.079	0.081	-
WLAN 802.11ac(160M) 5.2G	Aux	Bottom Edge	0	50	5250	11.00	10.98	1.02	100.46%	0.065	0.067	-
WLAN 802.11ac(160M) 5.2G	Aux	Right Edge	0	50	5250	11.00	10.98	1.02	100.46%	0.217	0.223	-
WLAN 802.11ac(160M) 5.2G	Aux	Left Edge	0	50	5250	11.00	10.98	1.02	100.46%	0.052	0.053	-
Repeated		Back Surface	0	50	5250	11.00	10.98	1.02	100.46%	0.879	0.902	

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	10.99	1.02	100.23%	0.780	0.799	011
WLAN 802.11ac(80M) 5.3G	Aux	Top Edge	0	58	5290	11.00	10.99	1.02	100.23%	0.056	0.057	-
WLAN 802.11ac(80M) 5.3G	Aux	Bottom Edge	0	58	5290	11.00	10.99	1.02	100.23%	0.044	0.045	-
WLAN 802.11ac(80M) 5.3G	Aux	Right Edge	0	58	5290	11.00	10.99	1.02	100.23%	0.228	0.234	-
WLAN 802.11ac(80M) 5.3G	Aux	Left Edge	0	58	5290	11.00	10.99	1.02	100.23%	0.083	0.085	-

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	11.00	10.95	1.02	101.16%	0.938	0.970	012
WLAN 802.11ac(160M) 5.6G	Aux	Top Edge	0	114	5570	11.00	10.95	1.02	101.16%	0.106	0.110	-
WLAN 802.11ac(160M) 5.6G	Aux	Bottom Edge	0	114	5570	11.00	10.95	1.02	101.16%	0.063	0.065	-
WLAN 802.11ac(160M) 5.6G	Aux	Right Edge	0	114	5570	11.00	10.95	1.02	101.16%	0.233	0.241	-
WLAN 802.11ac(160M) 5.6G	Aux	Left Edge	0	114	5570	11.00	10.95	1.02	101.16%	0.034	0.035	-
Repeated		Back Surface	0	114	5570	11.00	10.95	1.02	101.16%	0.924	0.955	
WLAN 802.11ac(80M) 5.6G	Aux	Back Surface	0	106	5530	11.00	10.87	1.02	103.04%	0.882	0.922	013
WLAN 802.11ac(80M) 5.6G	Aux	Back Surface	0	122	5610	11.00	10.77	1.02	105.44%	0.842	0.901	-
WLAN 802.11ac(80M) 5.6G	Aux	Back Surface	0	138	5690	11.00	10.78	1.02	105.20%	0.846	0.903	-
WLAN 802.11ac(80M) 5.6G	Aux	Top Edge	0	106	5530	11.00	10.87	1.02	103.04%	0.085	0.089	-
WLAN 802.11ac(80M) 5.6G	Aux	Bottom Edge	0	106	5530	11.00	10.87	1.02	103.04%	0.082	0.086	-
WLAN 802.11ac(80M) 5.6G	Aux	Right Edge	0	106	5530	11.00	10.87	1.02	103.04%	0.245	0.256	-
WLAN 802.11ac(80M) 5.6G	Aux	Left Edge	0	106	5530	11.00	10.87	1.02	103.04%	0.062	0.065	-
Repeated		Back Surface	0	106	5530	11.00	10.87	1.02	103.04%	0.879	0.919	

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	10.99	1.02	100.23%	1.140	1.168	014
WLAN 802.11ac(80M) 5.8G	Aux	Top Edge	0	155	5775	11.00	10.99	1.02	100.23%	0.122	0.125	-
WLAN 802.11ac(80M) 5.8G	Aux	Bottom Edge	0	155	5775	11.00	10.99	1.02	100.23%	0.069	0.071	-
WLAN 802.11ac(80M) 5.8G	Aux	Right Edge	0	155	5775	11.00	10.99	1.02	100.23%	0.260	0.266	-
WLAN 802.11ac(80M) 5.8G	Aux	Left Edge	0	155	5775	11.00	10.99	1.02	100.23%	0.040	0.041	-
Repeated		Back Surface	0	155	5775	11.00	10.99	1.02	100.23%	1.110	1.137	

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(160M) 5.9G	Aux	Back Surface	0	163	5815	11.00	10.99	1.02	100.23%	0.962	0.985	015
WLAN 802.11ac(160M) 5.9G	Aux	Top Edge	0	163	5815	11.00	10.99	1.02	100.23%	0.114	0.117	-
WLAN 802.11ac(160M) 5.9G	Aux	Bottom Edge	0	163	5815	11.00	10.99	1.02	100.23%	0.061	0.062	-
WLAN 802.11ac(160M) 5.9G	Aux	Right Edge	0	163	5815	11.00	10.99	1.02	100.23%	0.241	0.247	-
WLAN 802.11ac(160M) 5.9G	Aux	Left Edge	0	163	5815	11.00	10.99	1.02	100.23%	0.047	0.048	-
Repeated		Back Surface	0	163	5815.00	11.00	10.99	1.02	100.23%	0.958	0.981	

NB 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	21.00	20.60	1.00	109.65%	0.513	0.562	-
WLAN 802.11b	Main	Bottom Surface	0	6	2437	21.00	20.66	1.00	108.14%	0.560	0.606	059
WLAN 802.11b	Main	Bottom Surface	0	11	2462	21.00	20.54	1.00	111.17%	0.522	0.580	-
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 802.11a 5.2G	Main	Bottom Surface	0	40	5200	21.00	20.99	1.00	100.23%	0.531	0.532	060
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 802.11a 5.3G	Main	Bottom Surface	0	52	5260	21.00	20.99	1.00	100.23%	0.521	0.522	061
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Main	Bottom Surface	0	138	5690	21.00	20.94	1.00	101.39%	0.599	0.607	062
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.8G	Main	Bottom Surface	0	151	5755	21.00	20.99	1.00	100.23%	0.481	0.482	063
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.9G	Main	Bottom Surface	0	175	5875	21.06	21.05	1.00	100.23%	0.784	0.786	064
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	11	2462	21.00	20.99	1.00	100.23%	0.212	0.212	065
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	10.50	9.44	1.00	127.64%	0.013	0.017	-
Bluetooth(GFSK)	Aux	Bottom Surface	0	39	2441	10.50	9.53	1.00	125.03%	0.015	0.019	-
Bluetooth(GFSK)	Aux	Bottom Surface	0	78	2480	10.50	9.68	1.00	120.78%	0.019	0.023	066
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.2G	Aux	Bottom Surface	0	46	5230	21.00	20.99	1.00	100.23%	0.516	0.517	067
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.3G	Aux	Bottom Surface	0	54	5270	21.00	20.97	1.00	100.69%	0.501	0.504	068
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Aux	Bottom Surface	0	138	5690	21.00	20.98	1.00	100.46%	0.474	0.476	069
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.8G	Aux	Bottom Surface	0	159	5795	21.00	20.99	1.00	100.23%	0.584	0.585	070
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 802.11ax(40M) 5.9G	Aux	Bottom Surface	0	175	5875	21.08	21.03	1.00	101.16%	0.576	0.583	071

WLAN_6E
TB 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^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Main	Back Surface	0	15	6025	9.00	8.97	1.02	100.69%	0.488	0.502	3.75	3.859	029
U-NII-5 6.2GHz 802.11ax(160M)	Main	Back Surface	0	79	6345	9.00	8.99	1.02	100.23%	0.767	0.786	5.79	5.931	030
U-NII-5 6.2GHz 802.11ax(160M)	Main	Top Edge	0	79	6345	9.00	8.99	1.02	100.23%	0.039	0.040	0.294	0.301	-
U-NII-5 6.2GHz 802.11ax(160M)	Main	Bottom Edge	0	79	6345	9.00	8.99	1.02	100.23%	0.001	0.001	0.001	0.001	-
U-NII-5 6.2GHz 802.11ax(160M)	Main	Right Edge	0	79	6345	9.00	8.99	1.02	100.23%	0.039	0.040	0.254	0.260	-
U-NII-5 6.2GHz 802.11ax(160M)	Main	Left Edge	0	79	6345	9.00	8.99	1.02	100.23%	0.166	0.170	1.37	1.403	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Main	Back Surface	0	111	6505	9.00	8.99	1.02	100.23%	0.792	0.811	6.57	6.730	031
U-NII-6 6.5GHz 802.11ax(160M)	Main	Top Edge	0	111	6505	9.00	8.99	1.02	100.23%	0.043	0.044	0.356	0.365	-
U-NII-6 6.5GHz 802.11ax(160M)	Main	Bottom Edge	0	111	6505	9.00	8.99	1.02	100.23%	0.001	0.001	0.001	0.001	-
U-NII-6 6.5GHz 802.11ax(160M)	Main	Right Edge	0	111	6505	9.00	8.99	1.02	100.23%	0.036	0.037	0.298	0.305	-
U-NII-6 6.5GHz 802.11ax(160M)	Main	Left Edge	0	111	6505	9.00	8.99	1.02	100.23%	0.151	0.155	1.25	1.280	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Main	Back Surface	0	175	6825	9.00	8.98	1.02	100.46%	0.727	0.746	5.76	5.914	032
U-NII-7 6.7GHz 802.11ax(160M)	Main	Top Edge	0	175	6825	9.00	8.98	1.02	100.46%	0.029	0.030	0.229	0.235	-
U-NII-7 6.7GHz 802.11ax(160M)	Main	Bottom Edge	0	175	6825	9.00	8.98	1.02	100.46%	0.001	0.001	0.001	0.001	-
U-NII-7 6.7GHz 802.11ax(160M)	Main	Right Edge	0	175	6825	9.00	8.98	1.02	100.46%	0.027	0.028	0.213	0.219	-
U-NII-7 6.7GHz 802.11ax(160M)	Main	Left Edge	0	175	6825	9.00	8.98	1.02	100.46%	0.178	0.183	1.41	1.448	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Main	Back Surface	0	207	6985	9.00	8.99	1.02	100.23%	0.707	0.724	4.93	5.050	033
U-NII-8 7.0GHz 802.11ax(160M)	Main	Top Edge	0	207	6985	9.00	8.99	1.02	100.23%	0.037	0.038	0.258	0.264	-
U-NII-8 7.0GHz 802.11ax(160M)	Main	Bottom Edge	0	207	6985	9.00	8.99	1.02	100.23%	0.001	0.001	0.001	0.001	-
U-NII-8 7.0GHz 802.11ax(160M)	Main	Right Edge	0	207	6985	9.00	8.99	1.02	100.23%	0.033	0.034	0.23	0.236	-
U-NII-8 7.0GHz 802.11ax(160M)	Main	Left Edge	0	207	6985	9.00	8.99	1.02	100.23%	0.149	0.153	1.04	1.065	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Back Surface	0	15	6025	9.50	9.49	1.02	100.23%	0.603	0.618	4.05	4.149	034
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Back Surface	0	47	6185	9.50	9.48	1.02	100.46%	0.771	0.792	4.89	5.021	035
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Top Edge	0	15	6025	9.50	9.49	1.02	100.23%	0.074	0.076	0.469	0.480	-
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Bottom Edge	0	15	6025	9.50	9.49	1.02	100.23%	0.001	0.001	0.001	0.001	-
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Right Edge	0	15	6025	9.50	9.49	1.02	100.23%	0.174	0.178	1.11	1.137	-
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Left Edge	0	15	6025	9.50	9.49	1.02	100.23%	0.001	0.001	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Aux	Back Surface	0	111	6505	9.50	9.47	1.02	100.69%	0.799	0.822	5.01	5.156	036
U-NII-6 6.5GHz 802.11ax(160M)	Aux	Top Edge	0	111	6505	9.50	9.47	1.02	100.69%	0.038	0.039	0.238	0.245	-
U-NII-6 6.5GHz 802.11ax(160M)	Aux	Bottom Edge	0	111	6505	9.50	9.47	1.02	100.69%	0.001	0.001	0.001	0.001	-
U-NII-6 6.5GHz 802.11ax(160M)	Aux	Right Edge	0	111	6505	9.50	9.47	1.02	100.69%	0.184	0.189	1.15	1.183	-
U-NII-6 6.5GHz 802.11ax(160M)	Aux	Left Edge	0	111	6505	9.50	9.47	1.02	100.69%	0.023	0.024	0.144	0.148	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Aux	Back Surface	0	143	6665	9.50	9.49	1.02	100.23%	0.885	0.907	5.43	5.562	-
U-NII-7 6.7GHz 802.11ax(160M)	Aux	Back Surface	0	175	6825	9.50	9.46	1.02	100.93%	0.943	0.973	5.65	5.828	037
U-NII-7 6.7GHz 802.11ax(160M)	Aux	Top Edge	0	143	6665	9.50	9.49	1.02	100.23%	0.046	0.047	0.275	0.282	-
U-NII-7 6.7GHz 802.11ax(160M)	Aux	Bottom Edge	0	143	6665	9.50	9.49	1.02	100.23%	0.001	0.001	0.001	0.001	-
U-NII-7 6.7GHz 802.11ax(160M)	Aux	Right Edge	0	143	6665	9.50	9.49	1.02	100.23%	0.173	0.177	1.03	1.055	-
U-NII-7 6.7GHz 802.11ax(160M)	Aux	Left Edge	0	143	6665	9.50	9.49	1.02	100.23%	0.001	0.001	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Aux	Back Surface	0	207	6985	9.50	9.43	1.02	101.62%	0.961	0.998	5.62	5.837	038
U-NII-8 7.0GHz 802.11ax(160M)	Aux	Top Edge	0	207	6985	9.50	9.43	1.02	101.62%	0.036	0.037	0.21	0.218	-
U-NII-8 7.0GHz 802.11ax(160M)	Aux	Bottom Edge	0	207	6985	9.50	9.43	1.02	101.62%	0.001	0.001	0.001	0.001	-
U-NII-8 7.0GHz 802.11ax(160M)	Aux	Right Edge	0	207	6985	9.50	9.43	1.02	101.62%	0.170	0.177	1.01	1.049	-
U-NII-8 7.0GHz 802.11ax(160M)	Aux	Left Edge	0	207	6985	9.50	9.43	1.02	101.62%	0.001	0.001	0.001	0.001	-
Repeated	Aux	Back Surface	0	207	6985	9.50	9.43	1.02	101.62%	0.958	0.995	5.6	5.816	-

NB 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^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Main	Bottom Surface	0	15	6025	13.50	13.49	1.00	100.23%	0.102	0.102	0.862	0.864	072
U-NII-5 6.2GHz 802.11ax(160M)	Main	Bottom Surface	0	47	6185	13.50	13.48	1.00	100.46%	0.108	0.108	0.907	0.911	073
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Main	Bottom Surface	0	111	6505	13.50	13.48	1.00	100.46%	0.096	0.096	0.798	0.802	074
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Main	Bottom Surface	0	175	6825	13.50	13.49	1.00	100.23%	0.100	0.100	0.753	0.755	075
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Main	Bottom Surface	0	207	6985	13.50	13.48	1.00	100.46%	0.087	0.087	0.693	0.696	076
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Bottom Surface	0	15	6025	13.50	13.46	1.00	100.93%	0.066	0.067	0.476	0.480	077
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Bottom Surface	0	47	6185	13.50	13.47	1.00	100.69%	0.065	0.065	0.394	0.397	078
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Aux	Bottom Surface	0	111	6505	13.50	13.48	1.00	100.46%	0.042	0.042	0.376	0.378	079
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Aux	Bottom Surface	0	143	6665	13.50	13.49	1.00	100.23%	0.063	0.063	0.495	0.496	080
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m^2 (4cm^2)		ID
										Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Aux	Bottom Surface	0	207	6985	13.50	13.45	1.00	101.16%	0.063	0.064	0.52	0.526	081

Note:
Reported SAR = measured SAR * Power scaling * Duty cycle scaling
Reported APD = measured APD * Power scaling * Duty cycle scaling

8.3 Summary of PD Results

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	PD result(4cm)				ID
											Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	
WLAN 6E 802.11ax(160M) U-NII-5	Main	Back Surface	2	15	6025	9.00	8.97	100.69%	1.02	1.55	3.320	5.259	2.910	4.610	049
	Main	Back Surface	2	79	6345	9.00	8.99	100.23%	1.02	1.55	3.880	6.118	3.200	5.046	050
WLAN 6E 802.11ax(160M) U-NII-6	Main	Back Surface	2	111	6505	9.00	8.99	100.23%	1.02	1.55	3.480	5.488	2.910	4.589	051
WLAN 6E 802.11ax(160M) U-NII-7	Main	Back Surface	2	175	6825	9.00	8.98	100.46%	1.02	1.55	3.500	5.532	2.830	4.473	052
WLAN 6E 802.11ax(160M) U-NII-8	Main	Back Surface	2	207	6985	9.00	8.99	100.23%	1.02	1.55	3.310	5.219	2.770	4.368	053
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	PD result(4cm)				ID
											Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	
WLAN 6E 802.11ax(160M) U-NII-5	Aux	Back Surface	2	15	6025	9.50	9.49	100.23%	1.02	1.55	3.440	5.424	2.900	4.573	054
	Aux	Back Surface	2	47	6185	9.50	9.48	100.46%	1.02	1.55	2.280	3.604	1.970	3.114	055
WLAN 6E 802.11ax(160M) U-NII-6	Aux	Back Surface	2	111	6505	9.50	9.47	100.69%	1.02	1.55	3.610	5.719	2.920	4.626	056
WLAN 6E 802.11ax(160M) U-NII-7	Aux	Back Surface	2	175	6825	9.50	9.46	100.93%	1.02	1.55	3.690	5.859	2.890	4.589	057
WLAN 6E 802.11ax(160M) U-NII-8	Aux	Back Surface	2	207	6985	9.50	9.43	101.62%	1.02	1.55	3.410	5.452	2.590	4.141	058

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.

9 SIMULTANEOUS TRANSMISSION ANALYSIS

9.1 Simultaneous Transmission Scenarios:

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

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:

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

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 **(SAR1 + SAR2)^1.5/Ri**, rounded to two decimal digits, and must be **≤ 0.04** for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

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

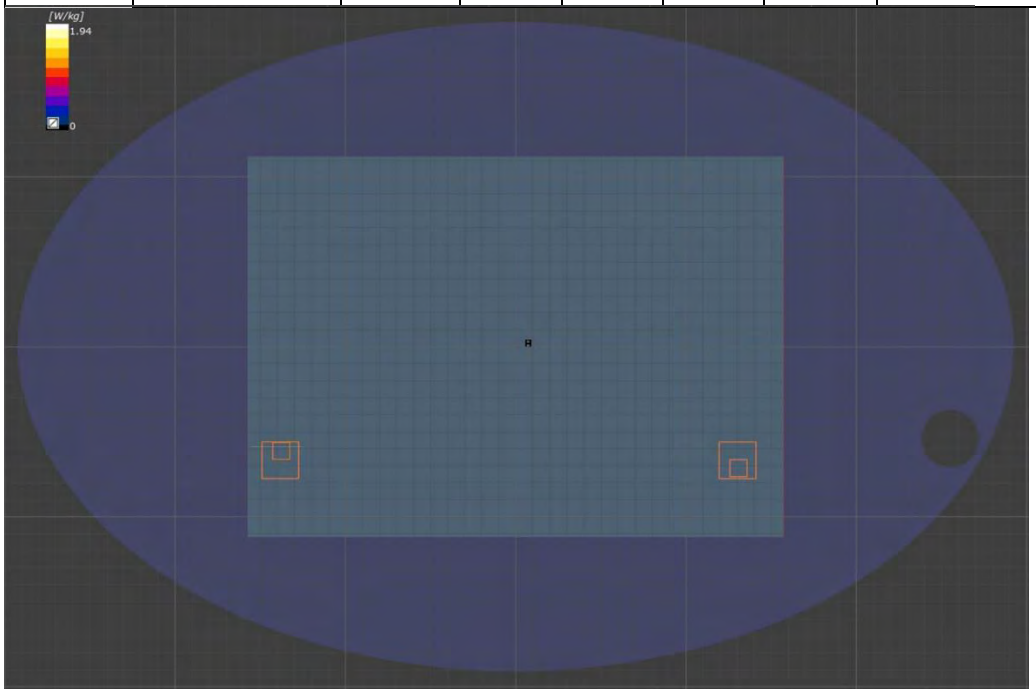
When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna.

Simultaneous Transmission Combination
TB mode

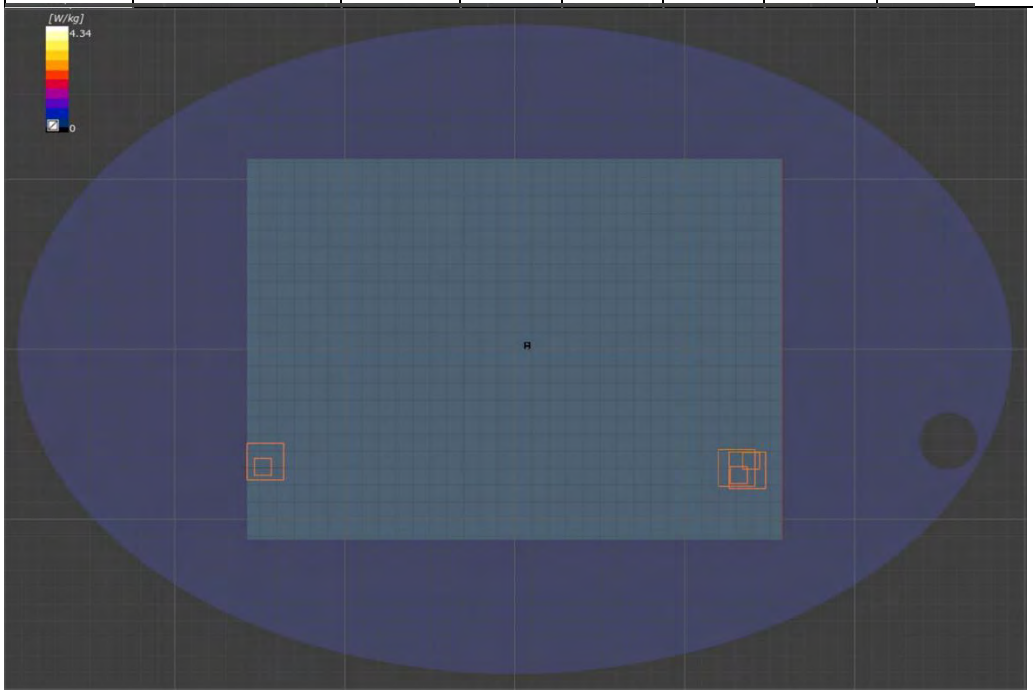
Exposure Position		FCC Reported SAR							Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
		2	3	4	5	7	8	9	2+7 Summed	2+3 Summed	4+7 Summed	4+5 Summed	4+5+7 Summed	7+8 Summed	8+9 Summed	7+8+9 Summed
		2.4GHz WLAN Main	2.4GHz WLAN Aux	5GHz WLAN Main	5GHz WLAN Aux	Bluetooth Aux	6GHz WLAN Main	6GHz 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)	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	1.084	0.919	1.096	1.168	0.217	0.811	0.998	**1.301**	2.003	**1.313**	2.264	2.481	**1.028**	1.809	2.026
Top Edge	0	0.059	0.021	0.087	0.125	0.002	0.044	0.076	**0.061**	**0.080**	**0.089**	**0.212**	**0.214**	**0.046**	**0.120**	**0.122**
Bottom Edge	0	0.006	0.006	0.056	0.086	0.002	0.001	0.001	**0.008**	**0.012**	**0.058**	**0.142**	**0.144**	**0.003**	**0.002**	**0.004**
Right Edge	0	0.007	0.150	0.067	0.266	0.077	0.040	0.189	**0.084**	**0.157**	**0.144**	**0.333**	**0.410**	**0.117**	**0.229**	**0.306**
Left Edge	0	0.167	0.005	0.222	0.085	0.002	0.183	0.024	**0.169**	**0.172**	**0.224**	**0.307**	**0.309**	**0.185**	**0.207**	**0.209**

Scenario 1:

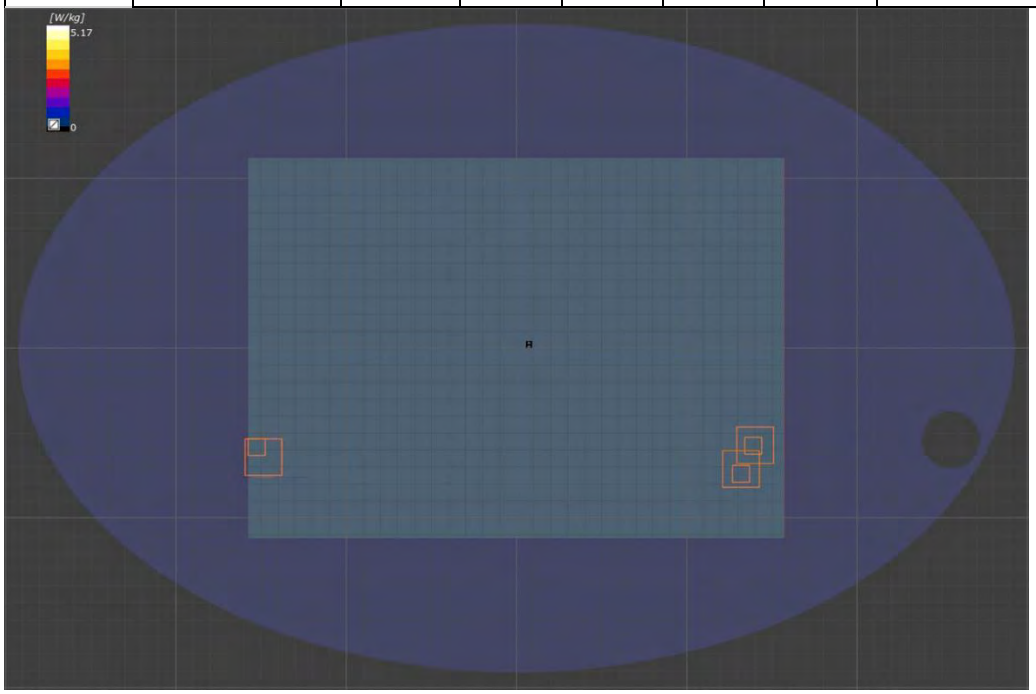
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			ΣSAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	WLAN 2.4G Main	1.084	5.84	-13.80	-17.70	-	-	-	-
	WLAN 2.4G Aux	0.919	7.38	13.12	-17.70	2.003	269.64	0.011	SPLSR ≤ 0.04, Not required



Scenario 3									
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	WLAN 5G Main	1.096	7.18	-14.96	-17.70	-	-	-	-
	WLAN 5G Aux	1.168	8.36	14.36	-17.70	2.264	293.44	0.012	SPLSR ≤ 0.04, Not required
	WLAN5G + BT Aux	1.385	7.50	13.14	-17.70	2.481	281.02	0.014	SPLSR ≤ 0.04, Not required



Scenario 7									
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	WIFI6E Main	0.811	7.07	-14.73	-17.70	-	-	-	-
	WIFI6E Aux	0.998	6.39	13.69	-17.70	1.809	284.28	0.009	SPLSR ≤ 0.04, Not required
	WIFI6E + BT Aux	1.215	7.50	13.14	-17.70	2.026	278.73	0.010	SPLSR ≤ 0.04, Not required



NB mode

Exposure Position		FCC Reported SAR							Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
		2	3	4	5	7	8	9	2+7	2+3	4+7	4+5	4+5+7	7+8	8+9	7+8+9
		2.4GHz WLAN Main	2.4GHz WLAN Aux	5GHz WLAN Main	5GHz WLAN Aux	Bluetooth Aux	6GHz WLAN Main	6GHz WLAN Aux	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Bottom Surface	0	0.606	0.212	0.786	0.585	0.023	0.108	0.067	**0.629**	**0.818**	**0.809**	**1.371**	**1.394**	**0.131**	**0.175**	**0.198**

9.4 Conclusion

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

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	7686	Sep/21/2023	Sep/20/2024
SPEAG	E-field Probe for Near Field Application	EUmmWV4	9635	Apr/20/2023	Apr/19/2024
SPEAG	System Validation Dipole	D2450V2	727	Apr/25/2023	Apr/24/2024
SPEAG	System Validation Dipole	D5GHzV2	1023	Jan/24/2024	Jan/23/2025
SPEAG	System Validation Dipole	D6.5GHzV2	1006	Aug/16/2023	Aug/15/2024
SPEAG	System Validation Dipole	D7GHzV2	1007	Aug/16/2023	Aug/15/2024
SPEAG	5G Verification Source 10GHz	5G-Veri10	1070	Aug/08/2023	Aug/07/2024
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/21/2024	Feb/20/2025
R&S	MXG Analog Signal Generator	SMB100A03	182012	May/23/2023	May/22/2024
Agilent	Dual-directional coupler	772D	MY46151258	Sep/26/2023	Sep/25/2024
Agilent	Dual-directional coupler	778D	MY46151242	Sep/26/2023	Sep/25/2024
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 Meter	NRX	105651	Nov/24/2023	Nov/23/2024
R&S	Power Sensor	NRP6A	104247	Nov/24/2023	Nov/23/2024
R&S	Power Sensor	NRP6A	104246	Nov/24/2023	Nov/23/2024
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	TP130077	Sep/25/2023	Sep/24/2024

11 UNCERTAINTY BUDGET

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

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
Isotropy , Axial	3.50%	R	√ 3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√ 3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√ 3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√ 3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√ 3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√ 3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√ 3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√ 3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√ 3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√ 3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√ 3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√ 3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√ 3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√ 3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√ 3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√ 3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	2.86%	N	1	1	0.64	0.43	1.83%	1.23%	M
Liquid Conductivity (mea.)	3.57%	N	1	1	0.6	0.49	2.14%	1.75%	M
Combined standard uncertainty		RSS					12.05%	11.90%	
Expant uncertainty (95% confidence interval), K=2							24.10%	23.80%	

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

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	2.53%	N	1	1	0.64	0.43	1.62%	1.09%	M
Liquid Conductivity (mea.)	4.75%	N	1	1	0.6	0.49	2.85%	2.33%	M
Combined standard uncertainty		RSS					11.88%	11.69%	
Expant uncertainty (95% confidence interval), K=2							23.76%	23.39%	

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

cDASY6 Module mmWave Uncertainty Budget for PD Evaluation Distances to the Antennas ≧λ/ 5 In Compliance with IEC/IEEE 63195

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

12 SAR MEASUREMENT RESULTS

ID: 001
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11b_Body_Back Surface_CH 11_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	2462.0, 11	8.07	1.894	40.173

Hardware Setup

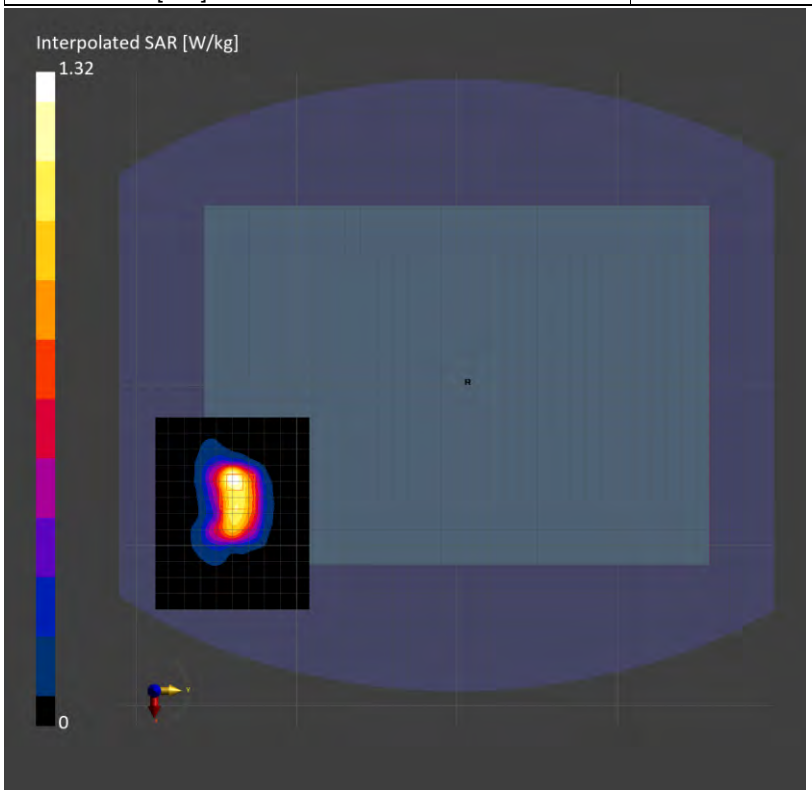
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-21	2024-03-21
psSAR1g [W/kg]	0.995	1.07
psSAR8g [W/kg]	0.547	0.621
psSAR10g [W/kg]	0.503	0.575
Power Drift [dB]	-0.05	-0.01
M2/M1 [%]		48.3
Dist 3dB Peak [mm]		7.9



ID: 002
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(160M) 5.2G_Body_Back Surface_CH 50_0mm_Main
Ambient temperature: 22.6°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	5250.0, 50	5.99	4.861	36.917

Hardware Setup

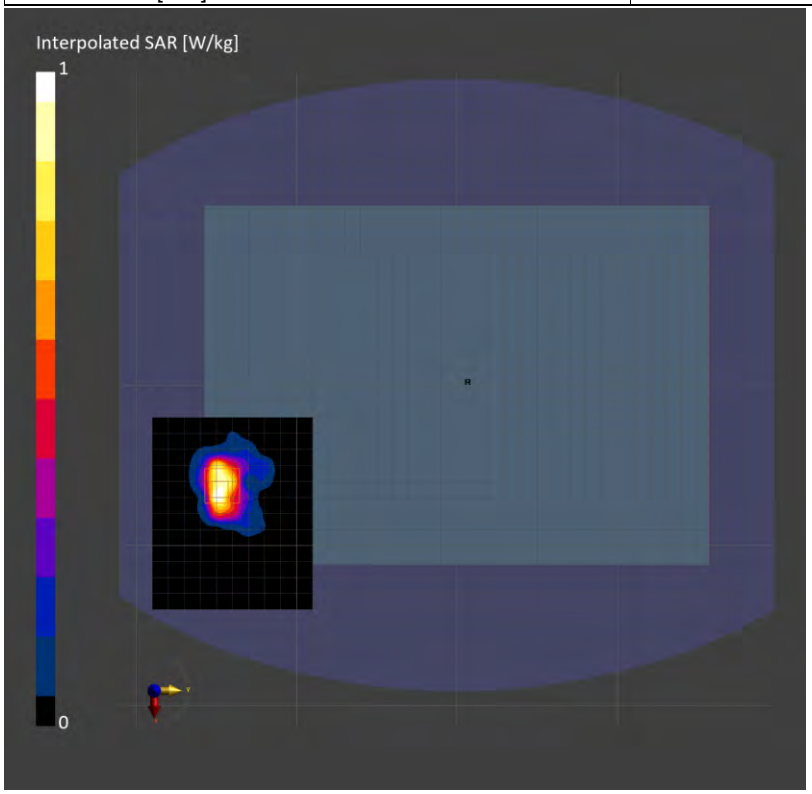
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.692	0.871
psSAR8g [W/kg]	0.300	0.395
psSAR10g [W/kg]	0.268	0.359
Power Drift [dB]	-0.05	-0.02
M2/M1 [%]		59.7
Dist 3dB Peak [mm]		6.4



ID: 003
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(80M) 5.3G_Body_Back Surface_CH 58_0mm_Main
Ambient temperature: 22.6°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	5290.0, 58	5.99	4.904	36.871

Hardware Setup

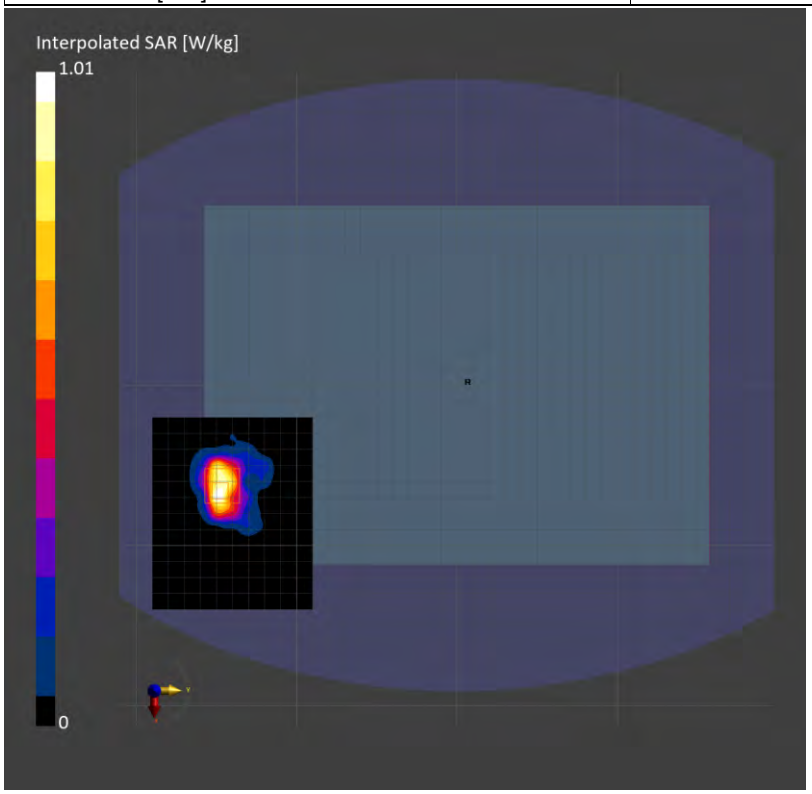
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.694	0.731
psSAR8g [W/kg]	0.300	0.328
psSAR10g [W/kg]	0.268	0.297
Power Drift [dB]	0.01	0.02
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		6.1



ID: 004
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(160M) 5.6G_Body_Back Surface_CH 114_0mm_Main
Ambient temperature: 22.6°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	5570.0, 114	5.22	5.2	36.551

Hardware Setup

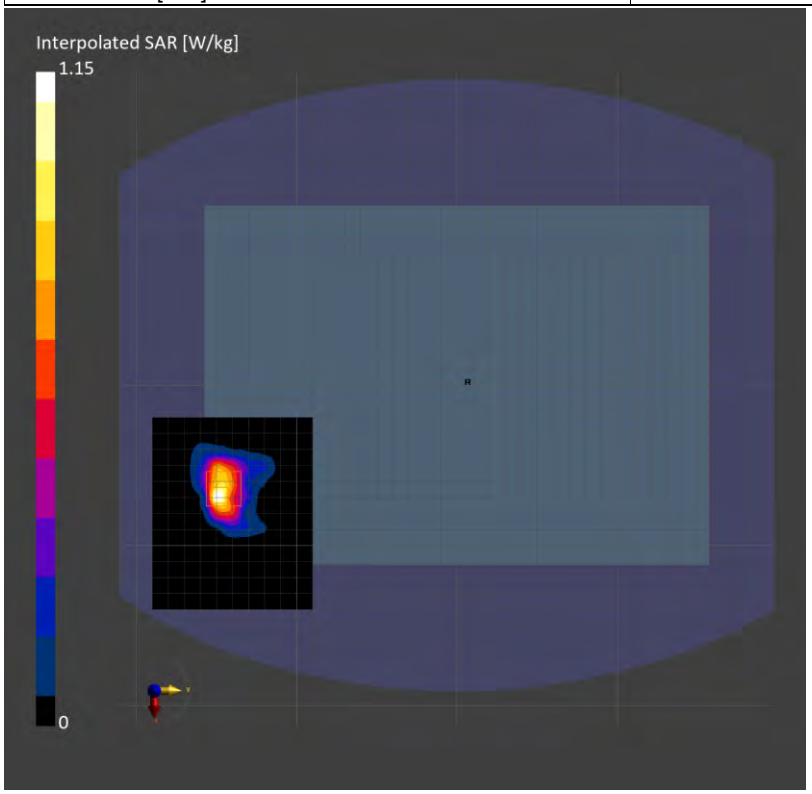
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.759	0.810
psSAR8g [W/kg]	0.308	0.330
psSAR10g [W/kg]	0.275	0.300
Power Drift [dB]	0.02	0.01
M2/M1 [%]		51.5
Dist 3dB Peak [mm]		6.4



ID: 005
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Back Surface_CH 106_0mm_Main
Ambient temperature: 22.6°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	5530.0, 106	5.22	5.158	36.597

Hardware Setup

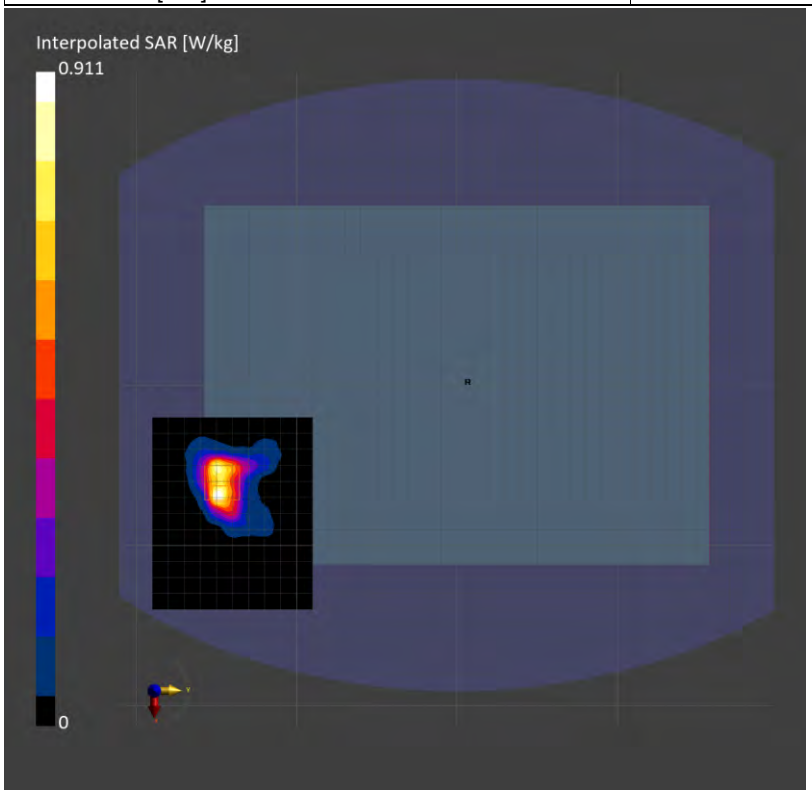
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.599	0.627
psSAR8g [W/kg]	0.254	0.298
psSAR10g [W/kg]	0.229	0.272
Power Drift [dB]	0.03	0.05
M2/M1 [%]		52.6
Dist 3dB Peak [mm]		6.4



ID: 006
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(80M) 5.8G_Body_Back Surface_CH 155_0mm_Main
Ambient temperature: 22.8°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	5.38	5.415	36.317

Hardware Setup

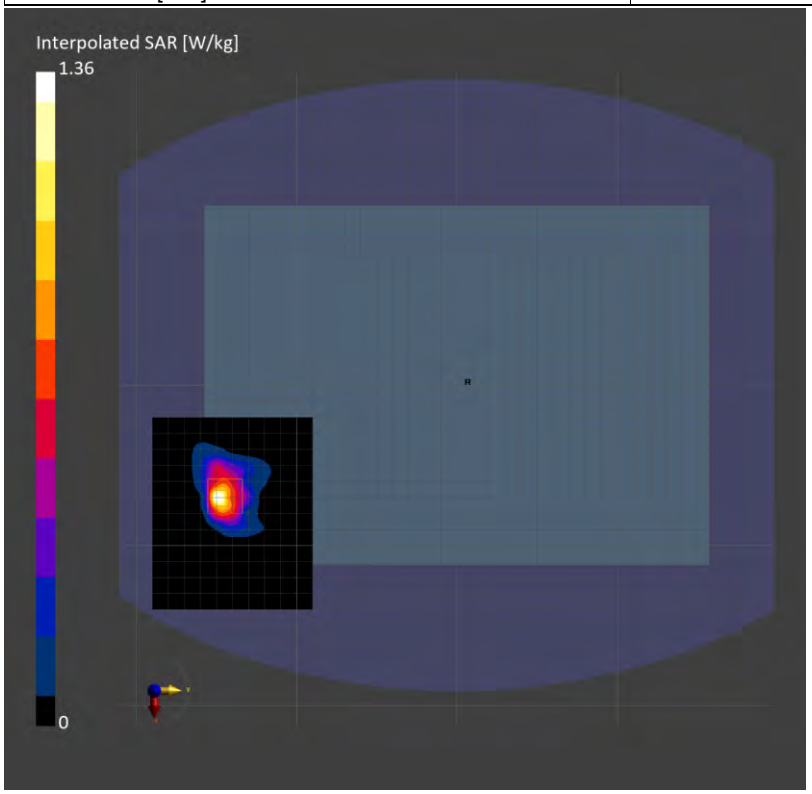
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.884	0.995
psSAR8g [W/kg]	0.336	0.363
psSAR10g [W/kg]	0.297	0.322
Power Drift [dB]	-0.03	0.04
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		6.4



ID: 007
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(160M) 5.9G_Body_Back Surface_CH 163_0mm_Main
Ambient temperature: 22.8°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	5.14	5.458	36.271

Hardware Setup

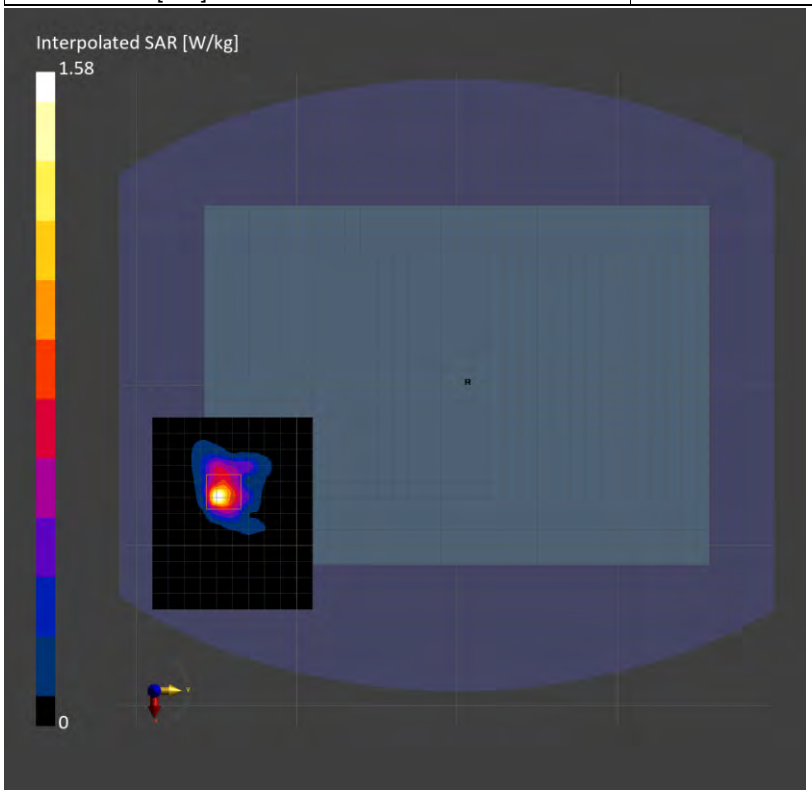
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.998	1.07
psSAR8g [W/kg]	0.361	0.404
psSAR10g [W/kg]	0.318	0.360
Power Drift [dB]	-0.02	-0.06
M2/M1 [%]		50.0
Dist 3dB Peak [mm]		6.4



ID: 008
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11b_Body_Back Surface_CH 1_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	2412.0, 1	8.07	1.85	40.256

Hardware Setup

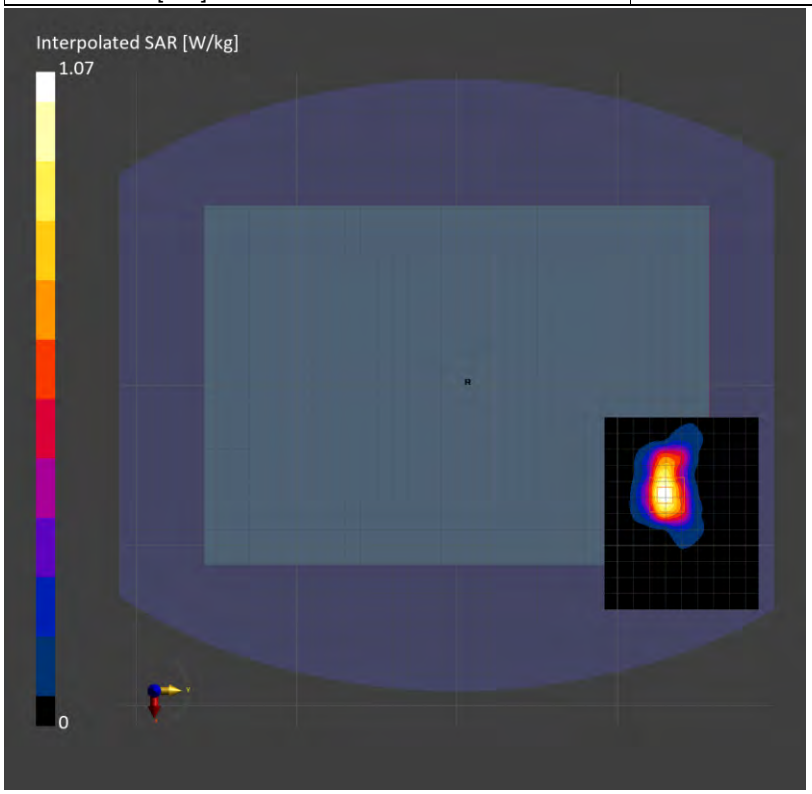
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-21	2024-03-21
psSAR1g [W/kg]	0.830	0.910
psSAR8g [W/kg]	0.442	0.498
psSAR10g [W/kg]	0.402	0.455
Power Drift [dB]	-0.01	0.03
M2/M1 [%]		59.4
Dist 3dB Peak [mm]		9.9



ID: 009
Report No. : TESA2403000118E5
Measurement Report_Bluetooth(GFSK)_Body_Back Surface_CH 78_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	2480.0, 78	8.07	1.911	40.15

Hardware Setup

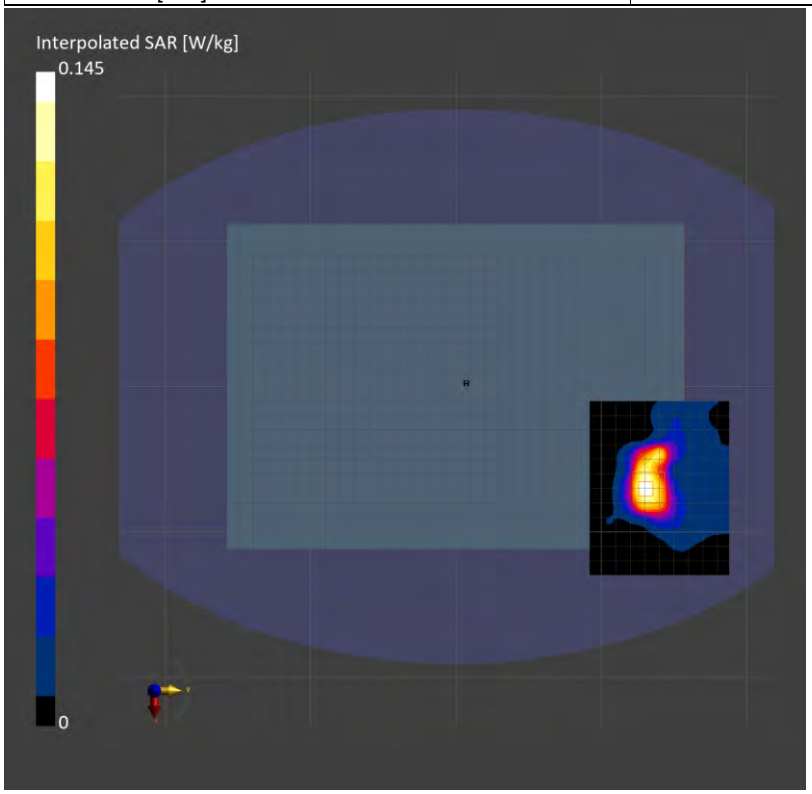
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-21	2024-03-21
psSAR1g [W/kg]	0.114	0.138
psSAR8g [W/kg]	0.063	0.079
psSAR10g [W/kg]	0.058	0.072
Power Drift [dB]	0.03	-0.02
M2/M1 [%]		60.6
Dist 3dB Peak [mm]		10.3



ID: 010
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(160M) 5.2G_Body_Back Surface_CH 50_0mm_Aux
Ambient temperature: 22.6°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	5250.0, 50	5.99	4.861	36.917

Hardware Setup

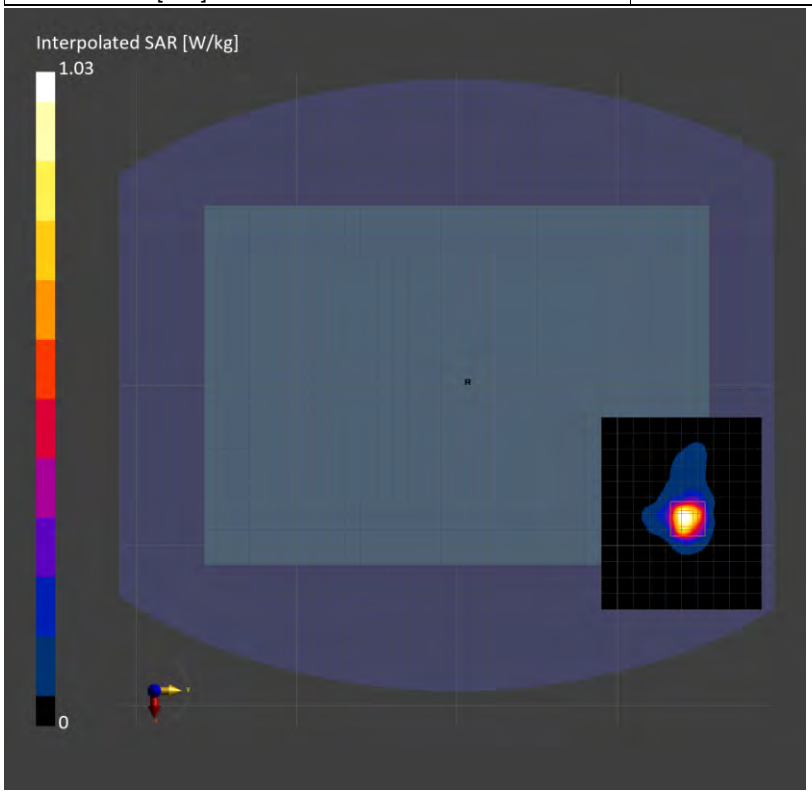
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.728	0.889
psSAR8g [W/kg]	0.270	0.331
psSAR10g [W/kg]	0.234	0.288
Power Drift [dB]	-0.06	-0.05
M2/M1 [%]		58.5
Dist 3dB Peak [mm]		6.4



ID: 011
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(80M) 5.3G_Body_Back Surface_CH 58_0mm_Aux
Ambient temperature: 22.6°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	5290.0, 58	5.99	4.904	36.871

Hardware Setup

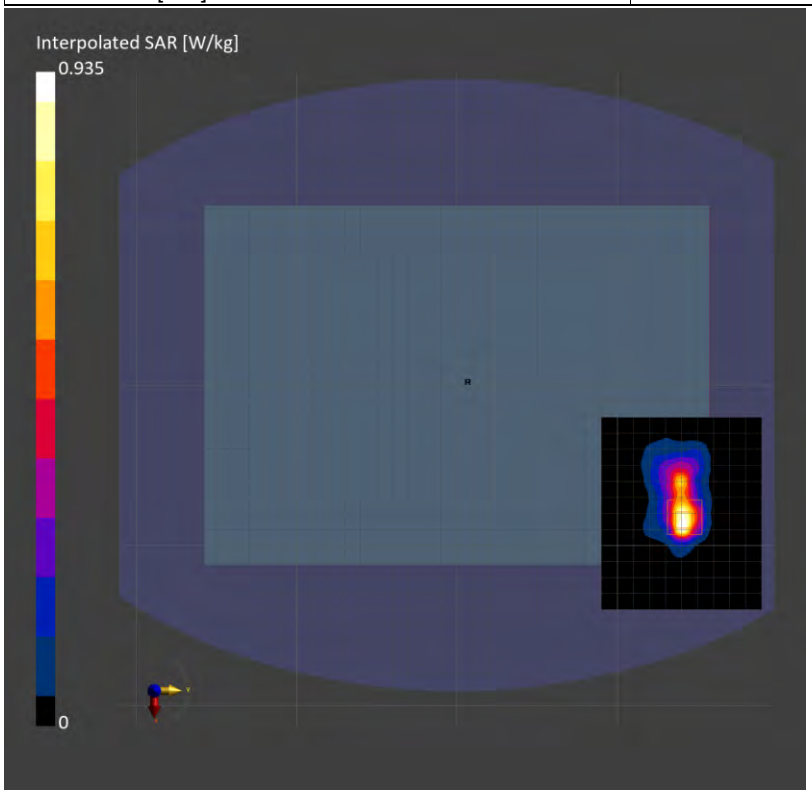
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.651	0.780
psSAR8g [W/kg]	0.250	0.287
psSAR10g [W/kg]	0.219	0.250
Power Drift [dB]	-0.03	0.03
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		6.9



ID: 012
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(160M) 5.6G_Body_Back Surface_CH 114_0mm_Aux
Ambient temperature: 22.6°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	5570.0, 114	5.22	5.2	36.551

Hardware Setup

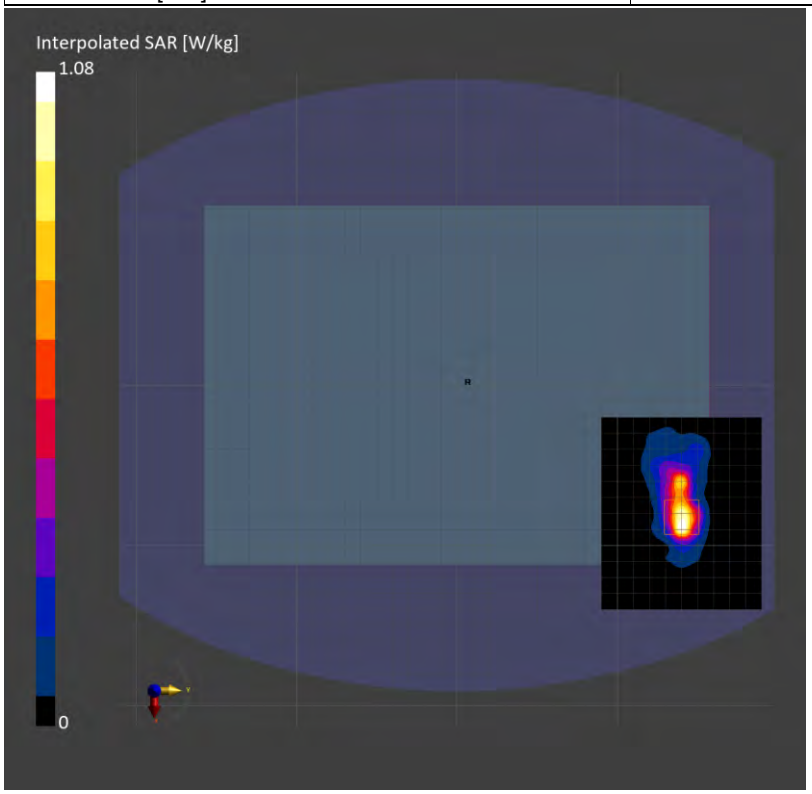
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.747	0.938
psSAR8g [W/kg]	0.281	0.337
psSAR10g [W/kg]	0.247	0.292
Power Drift [dB]	0.03	-0.01
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		6.4



ID: 013
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Back Surface_CH 106_0mm_Aux
Ambient temperature: 22.6°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	5530.0, 106	5.22	5.158	36.597

Hardware Setup

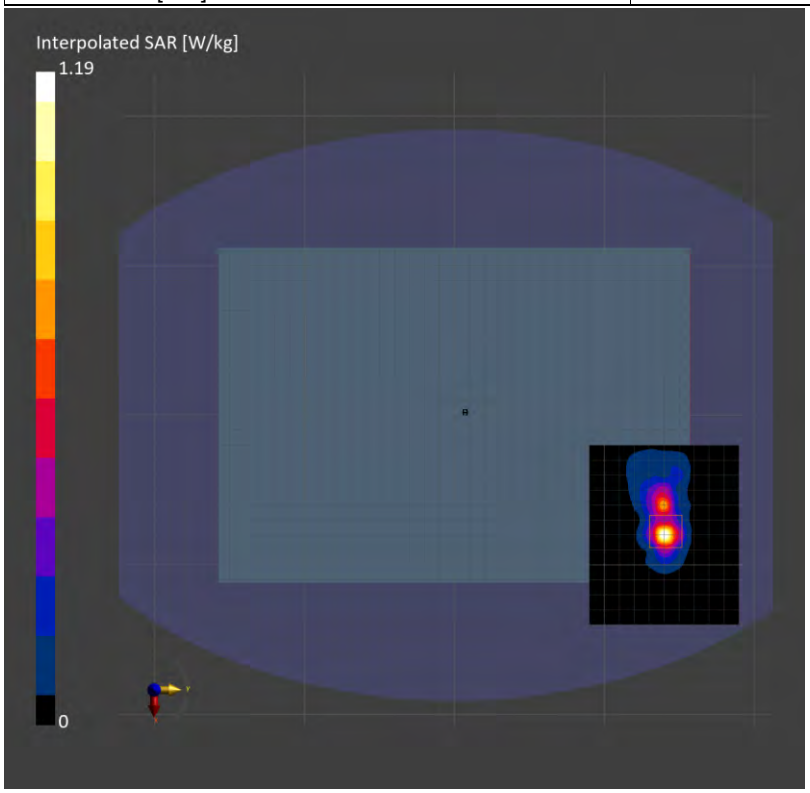
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.729	0.882
psSAR8g [W/kg]	0.249	0.329
psSAR10g [W/kg]	0.218	0.287
Power Drift [dB]	0.01	-0.01
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		6.6



ID: 014
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(80M) 5.8G_Body_Back Surface_CH 155_0mm_Aux
Ambient temperature: 22.8°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	5.38	5.415	36.317

Hardware Setup

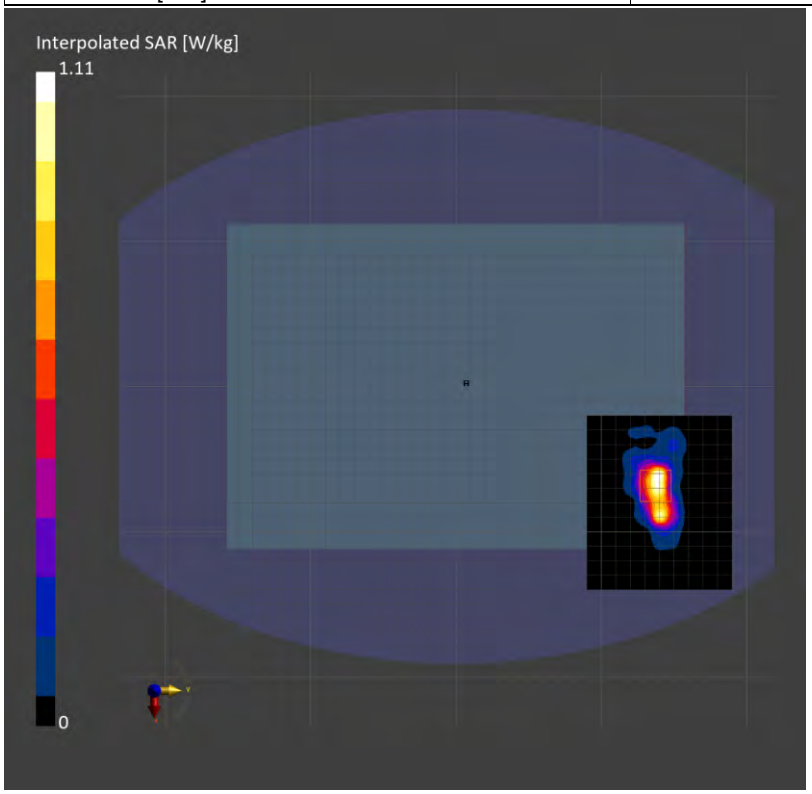
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.783	1.14
psSAR8g [W/kg]	0.305	0.400
psSAR10g [W/kg]	0.270	0.354
Power Drift [dB]	0.04	0.04
M2/M1 [%]		59.2
Dist 3dB Peak [mm]		6.9



ID: 015
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(160M) 5.9G_Body_Back Surface_CH 163_0mm_Aux
Ambient temperature: 22.8°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	5.14	5.458	36.271

Hardware Setup

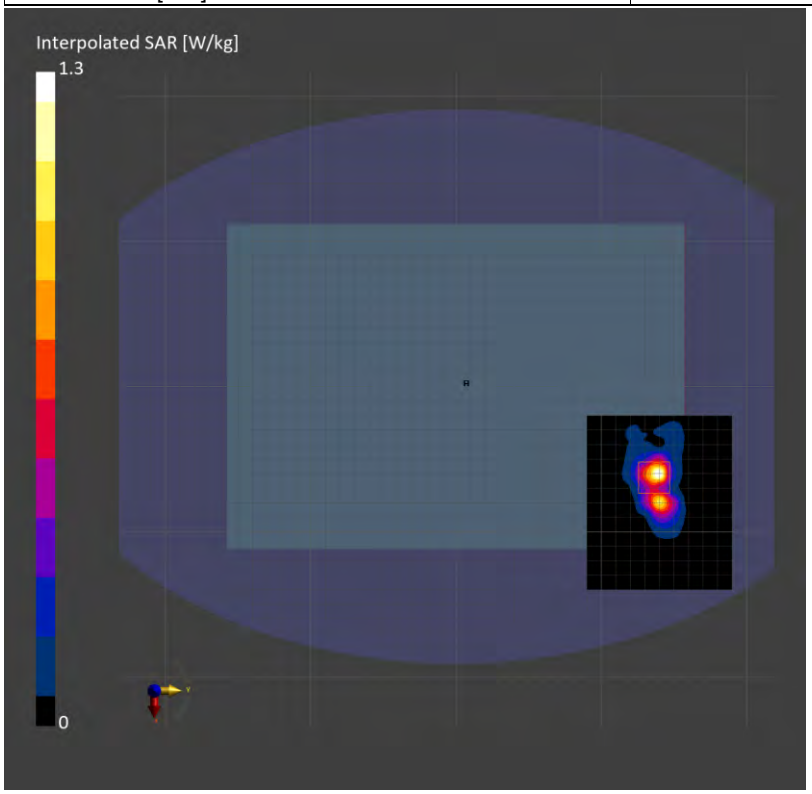
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.829	0.962
psSAR8g [W/kg]	0.291	0.361
psSAR10g [W/kg]	0.256	0.322
Power Drift [dB]	0.01	0.02
M2/M1 [%]		52.6
Dist 3dB Peak [mm]		6.8



ID: 029
Report No. : TESA2403000118E5
Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Back Surface_CH 15_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6025.0, 15	6.38	5.681	36.029

Hardware Setup

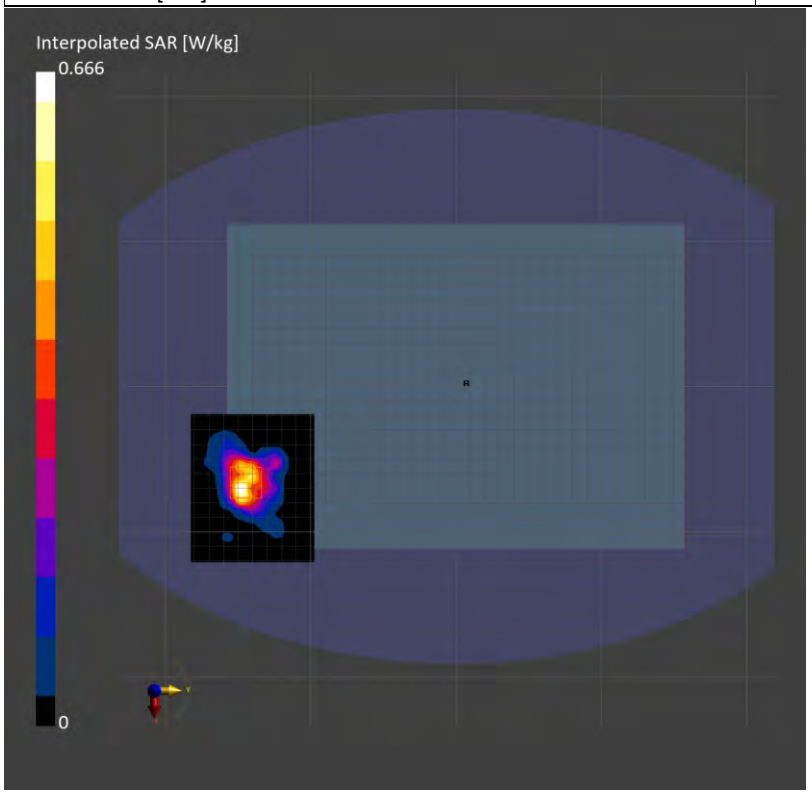
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.453	0.488
psSAR8g [W/kg]	0.186	0.187
psSAR10g [W/kg]	0.168	0.169
psPDab (4.0cm2, sq) [W/m2]		3.75
Power Drift [dB]	0.01	-0.01
M2/M1 [%]		55.8
Dist 3dB Peak [mm]		6.8



ID: 030
Report No. : TESA2403000118E5
Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Back Surface_CH 79_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6345.0, 79	6.38	6.024	35.645

Hardware Setup

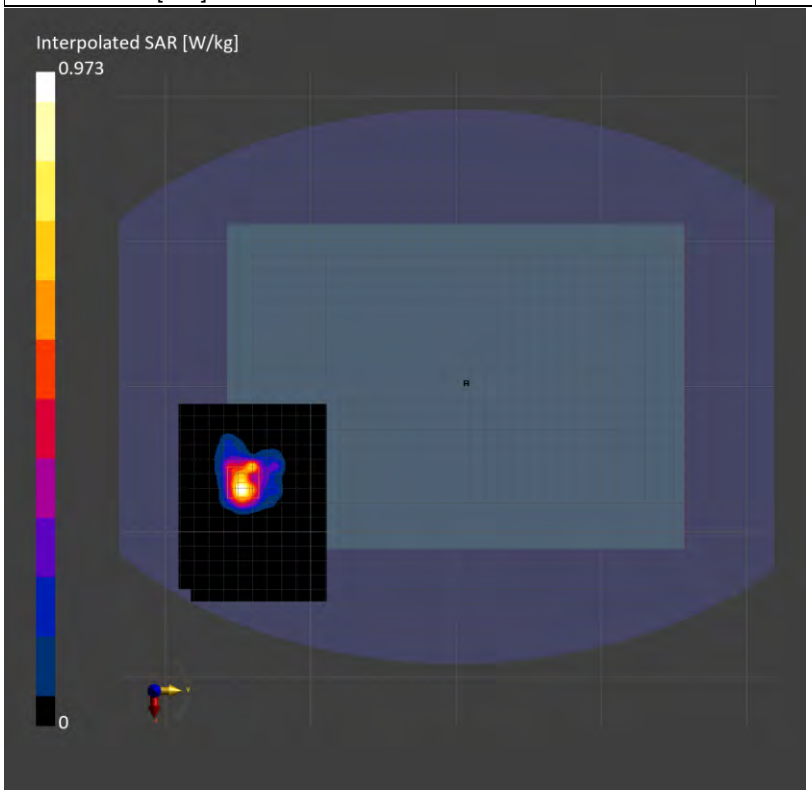
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.675	0.767
psSAR8g [W/kg]	0.259	0.283
psSAR10g [W/kg]	0.232	0.253
psPDab (4.0cm2, sq) [W/m2]		5.79
Power Drift [dB]	0.05	0.04
M2/M1 [%]		54.9
Dist 3dB Peak [mm]		8.0



ID: 031
Report No. : TESA2403000118E5
Measurement Report_U-NII-6 6.5GHz 802.11ax(160M)_Body_Back Surface_CH 111_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6505.0, 111	6.38	6.197	35.453

Hardware Setup

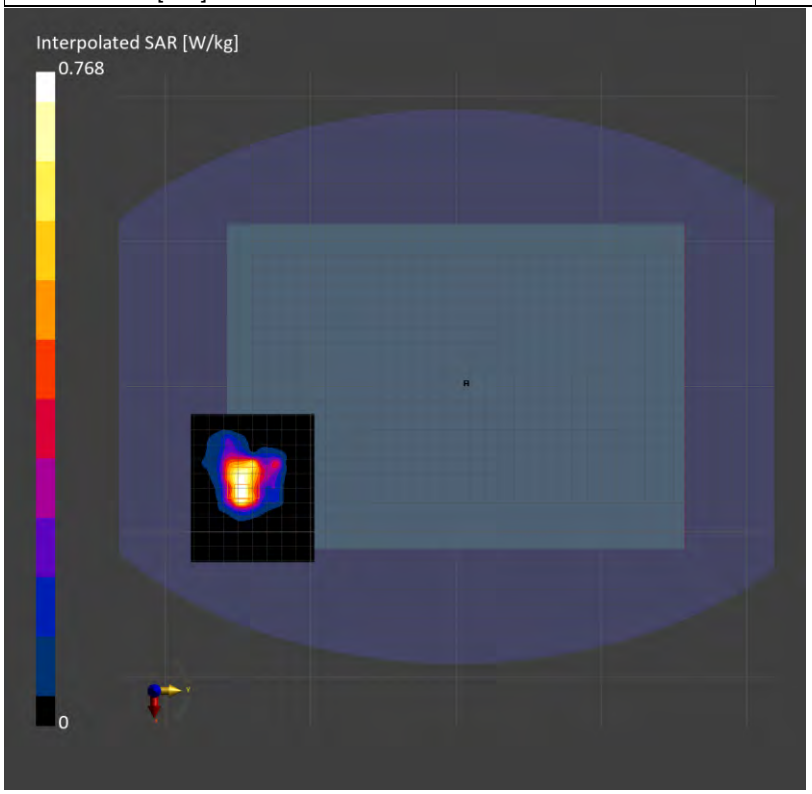
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.588	0.792
psSAR8g [W/kg]	0.254	0.329
psSAR10g [W/kg]	0.229	0.298
psPDab (4.0cm2, sq) [W/m2]		6.57
Power Drift [dB]	0.02	0.04
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		7.5



ID: 032
Report No. : TESA2403000118E5
Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Back Surface_CH 175_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6825.0, 175	6.38	6.547	35.069

Hardware Setup

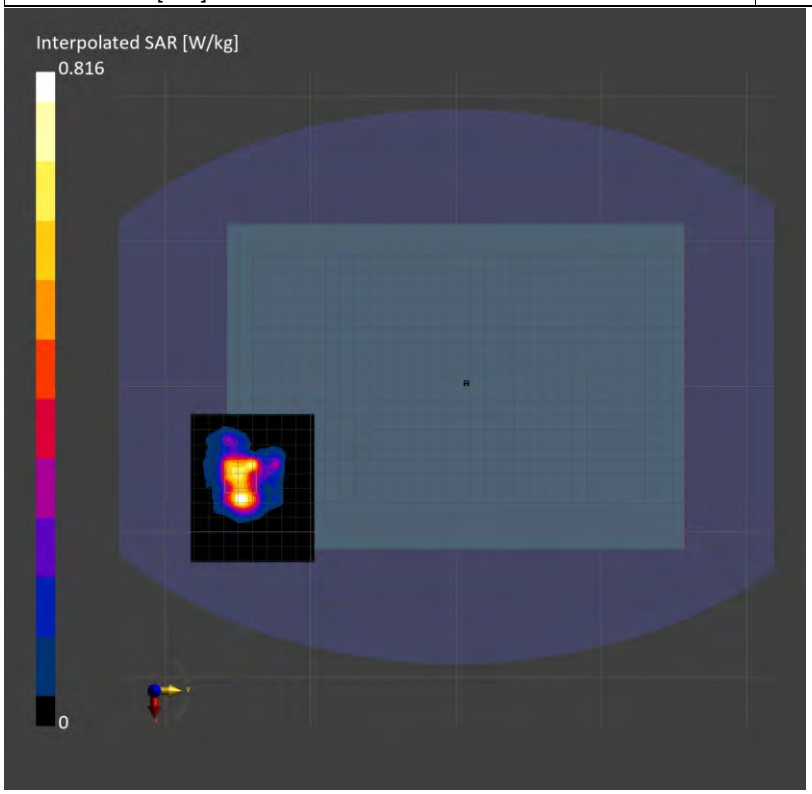
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.591	0.727
psSAR8g [W/kg]	0.236	0.288
psSAR10g [W/kg]	0.213	0.263
psPDab (4.0cm2, sq) [W/m2]		5.76
Power Drift [dB]	-0.03	0.01
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		8.6



ID: 033
Report No. : TESA2403000118E5
Measurement Report_U-NII-8 7.0GHz 802.11ax(160M)_Body_Back Surface_CH 207_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6985.0, 207	6.55	6.723	34.877

Hardware Setup

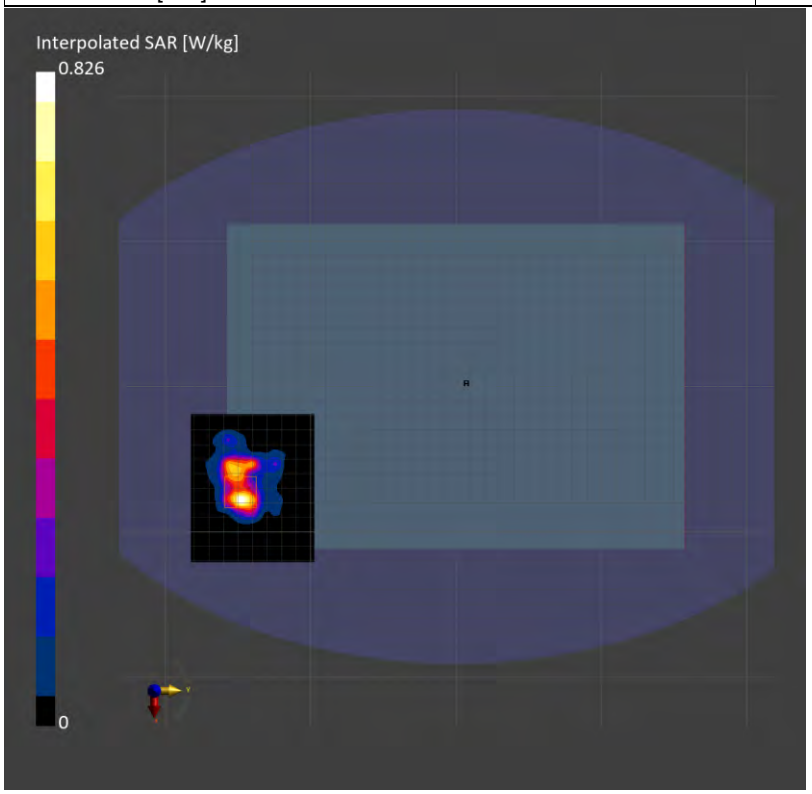
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.601	0.707
psSAR8g [W/kg]	0.216	0.247
psSAR10g [W/kg]	0.193	0.226
psPDab (4.0cm2, sq) [W/m2]		4.93
Power Drift [dB]	-0.01	0.06
M2/M1 [%]		50.1
Dist 3dB Peak [mm]		8.3



ID: 034
Report No. : TESA2403000118E5
Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Back Surface_CH 15_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6025.0, 15	6.38	5.681	36.029

Hardware Setup

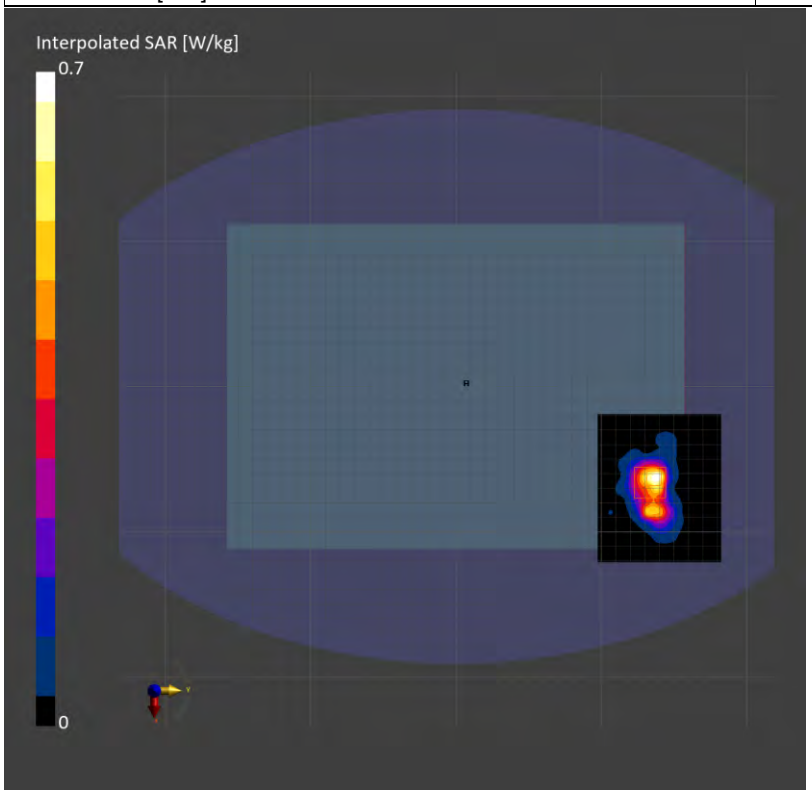
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.493	0.603
psSAR8g [W/kg]	0.191	0.177
psSAR10g [W/kg]	0.169	0.159
psPDab (4.0cm2, sq) [W/m2]		4.05
Power Drift [dB]	-0.05	0.05
M2/M1 [%]		58.1
Dist 3dB Peak [mm]		6.2



ID: 035
Report No. : TESA2403000118E5
Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Back Surface_CH 47_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6185.0, 47	6.38	5.852	35.837

Hardware Setup

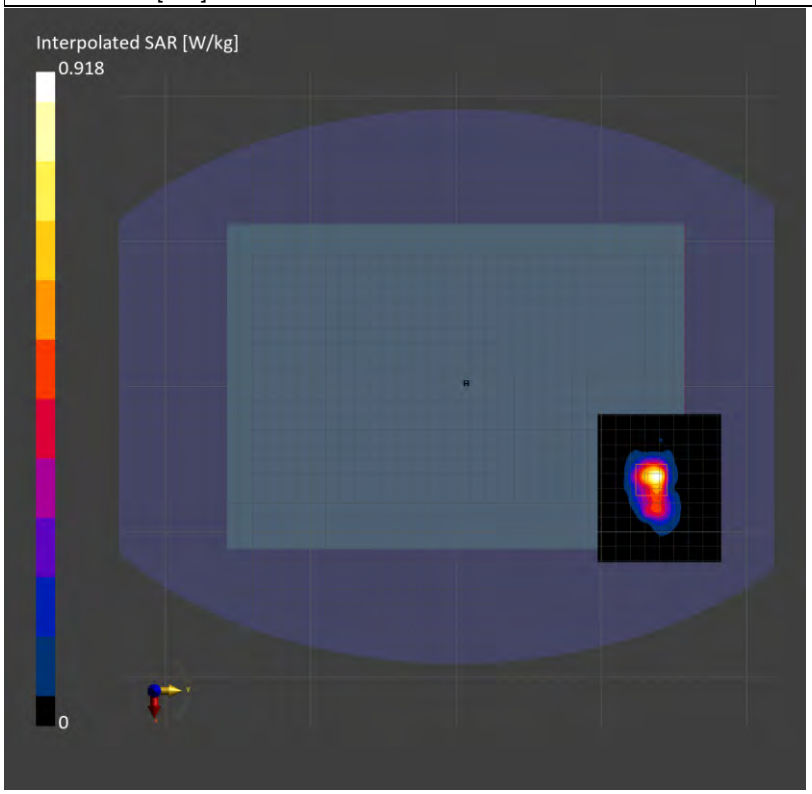
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.630	0.771
psSAR8g [W/kg]	0.230	0.245
psSAR10g [W/kg]	0.203	0.210
psPDab (4.0cm2, sq) [W/m2]		4.89
Power Drift [dB]	-0.06	-0.01
M2/M1 [%]		57.0
Dist 3dB Peak [mm]		6.3



ID: 036
Report No. : TESA2403000118E5
Measurement Report_U-NII-6 6.5GHz 802.11ax(160M)_Body_Back Surface_CH 111_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6505.0, 111	6.38	6.197	35.453

Hardware Setup

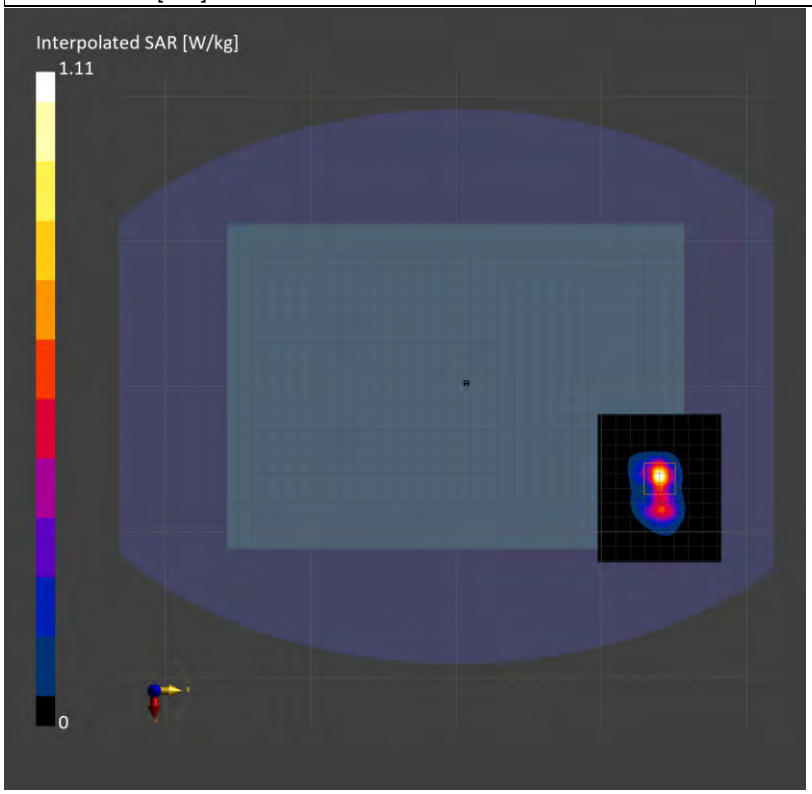
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.710	0.799
psSAR8g [W/kg]	0.227	0.251
psSAR10g [W/kg]	0.198	0.214
psPDab (4.0cm2, sq) [W/m2]		5.01
Power Drift [dB]	-0.03	0.02
M2/M1 [%]		56.0
Dist 3dB Peak [mm]		6.2



ID: 037
Report No. : TESA2403000118E5
Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Back Surface_CH 175_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6825.0, 175	6.38	6.547	35.069

Hardware Setup

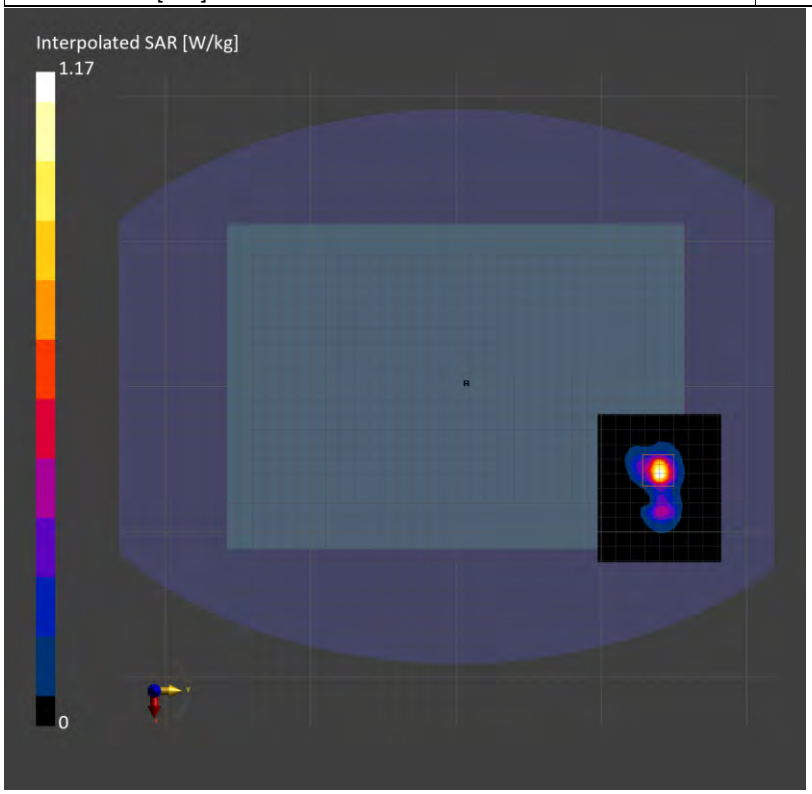
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.825	0.943
psSAR8g [W/kg]	0.265	0.282
psSAR10g [W/kg]	0.229	0.239
psPDab (4.0cm2, sq) [W/m2]		5.65
Power Drift [dB]	0.01	0.04
M2/M1 [%]		54.1
Dist 3dB Peak [mm]		5.9



ID: 038
Report No. : TESA2403000118E5
Measurement Report_U-NII-8 7.0GHz 802.11ax(160M)_Body_Back Surface_CH 207_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6985.0, 207	6.55	6.723	34.877

Hardware Setup

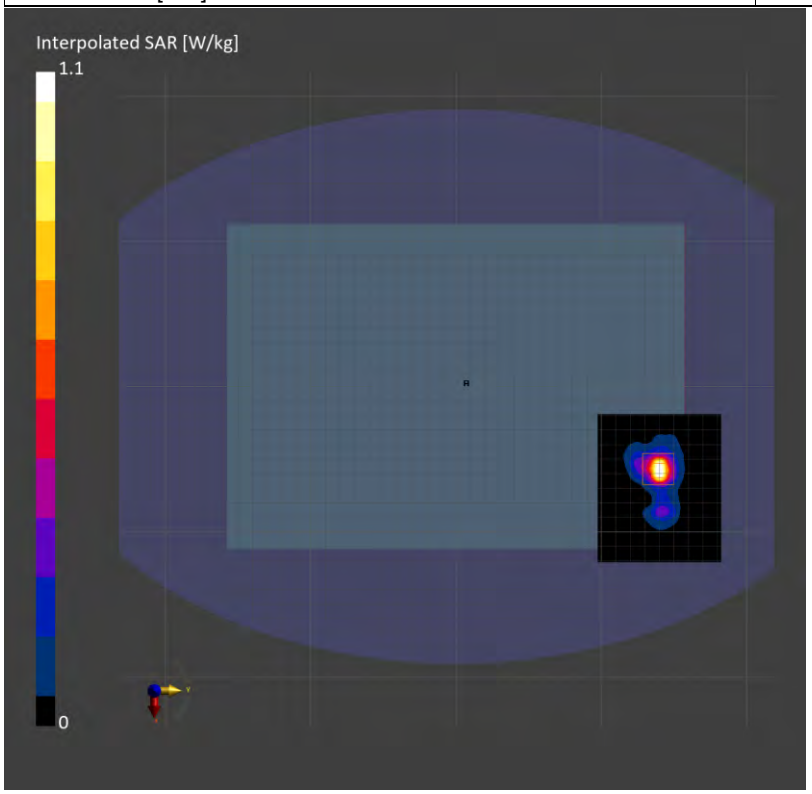
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.850	0.961
psSAR8g [W/kg]	0.274	0.281
psSAR10g [W/kg]	0.237	0.238
psPDab (4.0cm2, sq) [W/m2]		5.62
Power Drift [dB]	0.02	0.03
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		5.9



ID: 059
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11b_Body_Bottom Surface_CH 6_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	2437.0, 6	8.07	1.872	40.211

Hardware Setup

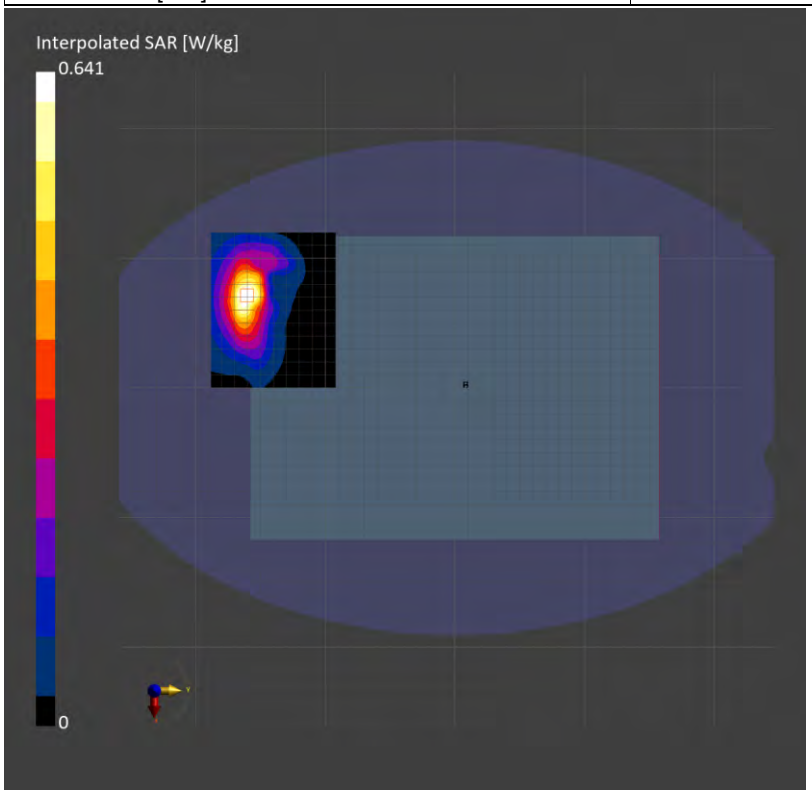
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-21	2024-03-21
psSAR1g [W/kg]	0.526	0.560
psSAR8g [W/kg]	0.302	0.323
psSAR10g [W/kg]	0.278	0.298
Power Drift [dB]	-0.04	-0.01
M2/M1 [%]		55.5
Dist 3dB Peak [mm]		11.8



ID: 060
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11a 5.2G_Body_Bottom Surface_CH 40_0mm_Main
Ambient temperature: 22.6°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	5200.0, 40	5.99	4.809	36.974

Hardware Setup

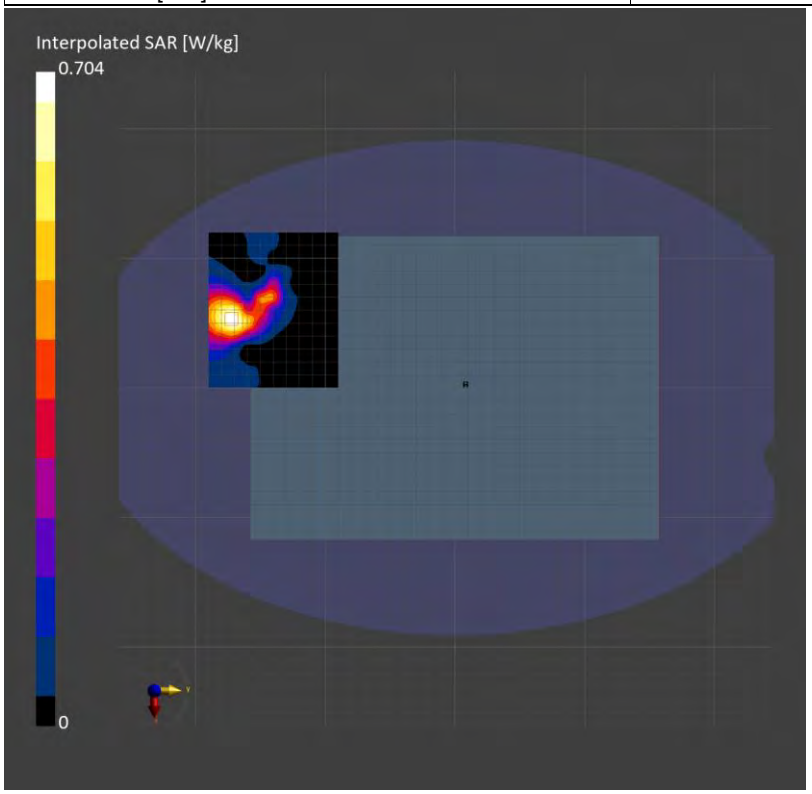
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.522	0.531
psSAR8g [W/kg]	0.240	0.262
psSAR10g [W/kg]	0.218	0.239
Power Drift [dB]	0.01	0.02
M2/M1 [%]		58.6
Dist 3dB Peak [mm]		11.9



ID: 061
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11a 5.3G_Body_Bottom Surface_CH 52_0mm_Main
Ambient temperature: 22.6°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	5260.0, 52	5.99	4.872	36.905

Hardware Setup

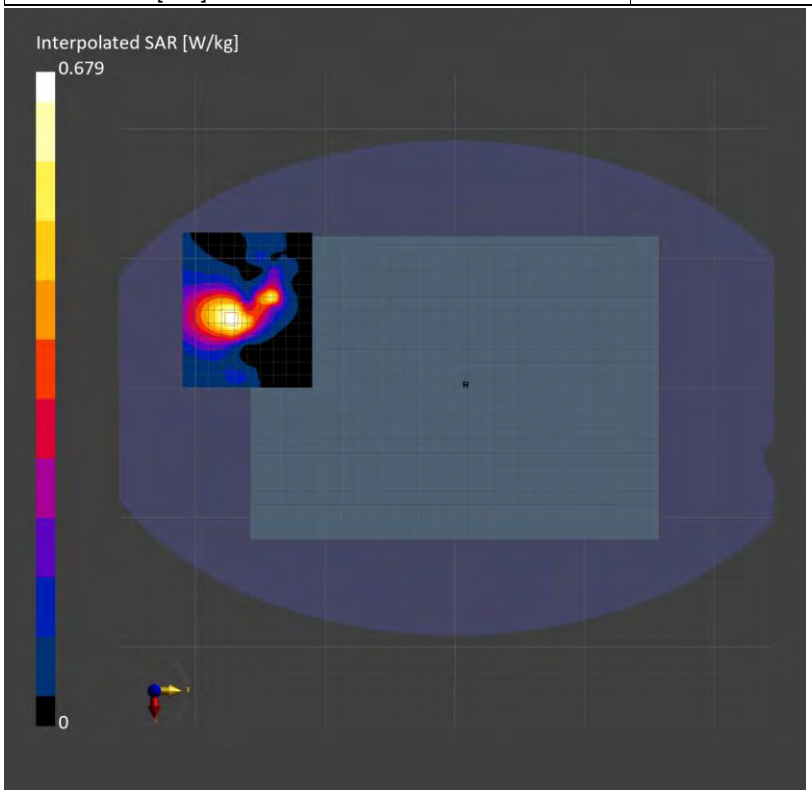
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.506	0.521
psSAR8g [W/kg]	0.235	0.261
psSAR10g [W/kg]	0.213	0.239
Power Drift [dB]	0.01	0.05
M2/M1 [%]		55.1
Dist 3dB Peak [mm]		5.1



ID: 062
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Bottom Surface_CH 138_0mm_Main
Ambient temperature: 22.8°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	5690.0, 138	5.38	5.326	36.414

Hardware Setup

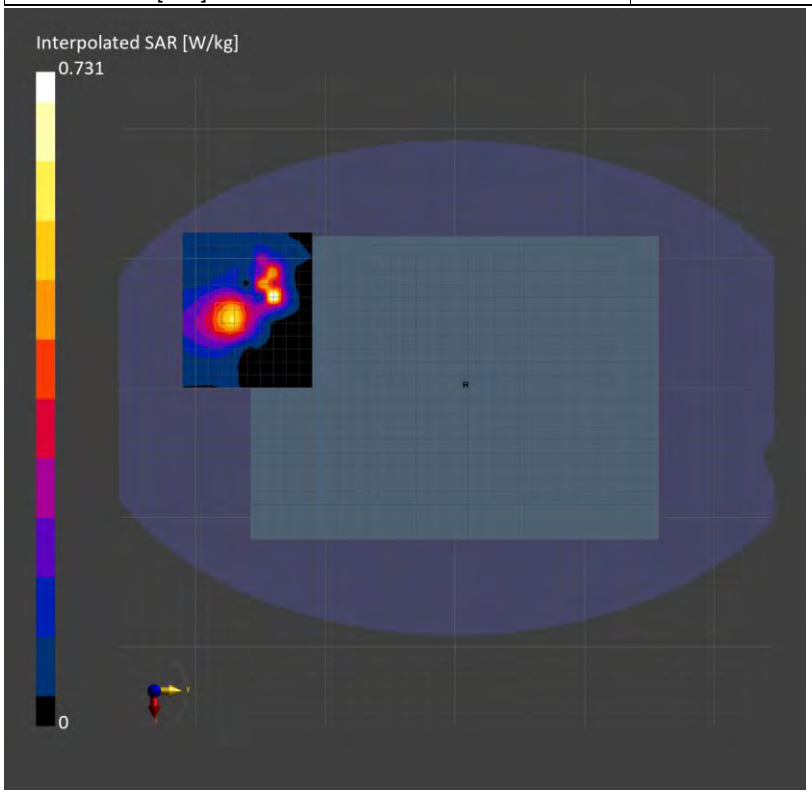
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.431	0.599
psSAR8g [W/kg]	0.192	0.210
psSAR10g [W/kg]	0.174	0.185
Power Drift [dB]	0.02	0.04
M2/M1 [%]		57.4
Dist 3dB Peak [mm]		15.1



ID: 063
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11n(40M) 5.8G_Body_Bottom Surface_CH 151_0mm_Main
Ambient temperature: 22.8°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	5755.0, 151	5.38	5.394	36.339

Hardware Setup

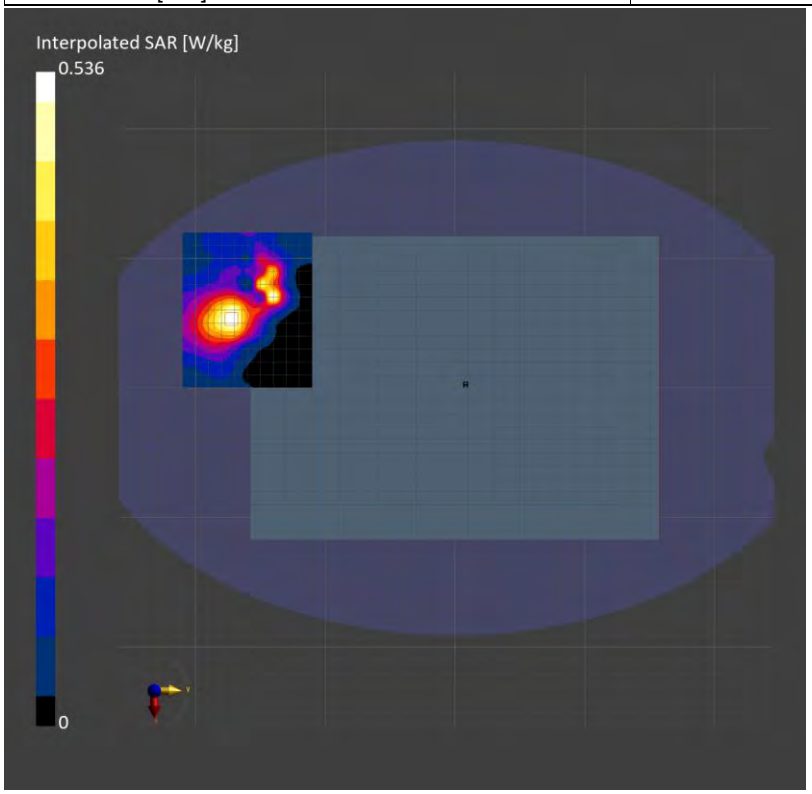
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.406	0.481
psSAR8g [W/kg]	0.186	0.172
psSAR10g [W/kg]	0.169	0.153
Power Drift [dB]	0.01	-0.01
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		4.7



ID: 064
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11n(40M) 5.9G_Body_Bottom Surface_CH 175_0mm_Main
Ambient temperature: 22.8°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	5875.0, 175	5.14	5.521	36.202

Hardware Setup

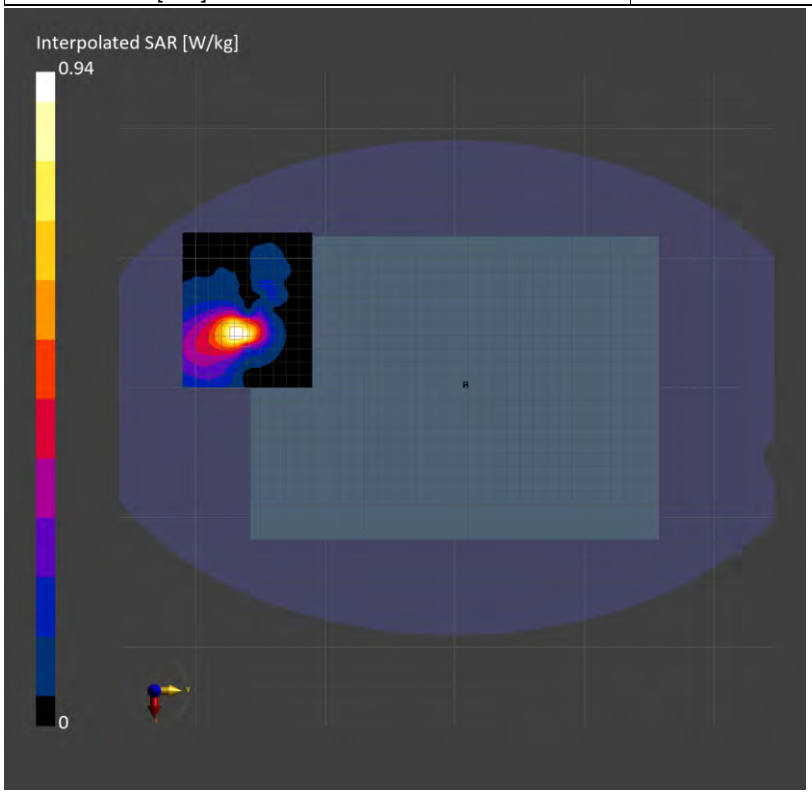
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.715	0.784
psSAR8g [W/kg]	0.305	0.356
psSAR10g [W/kg]	0.274	0.323
Power Drift [dB]	0.05	0.04
M2/M1 [%]		53.8
Dist 3dB Peak [mm]		9.0



ID: 065
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11b_Body_Bottom Surface_CH 11_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	2462.0, 11	8.07	1.894	40.173

Hardware Setup

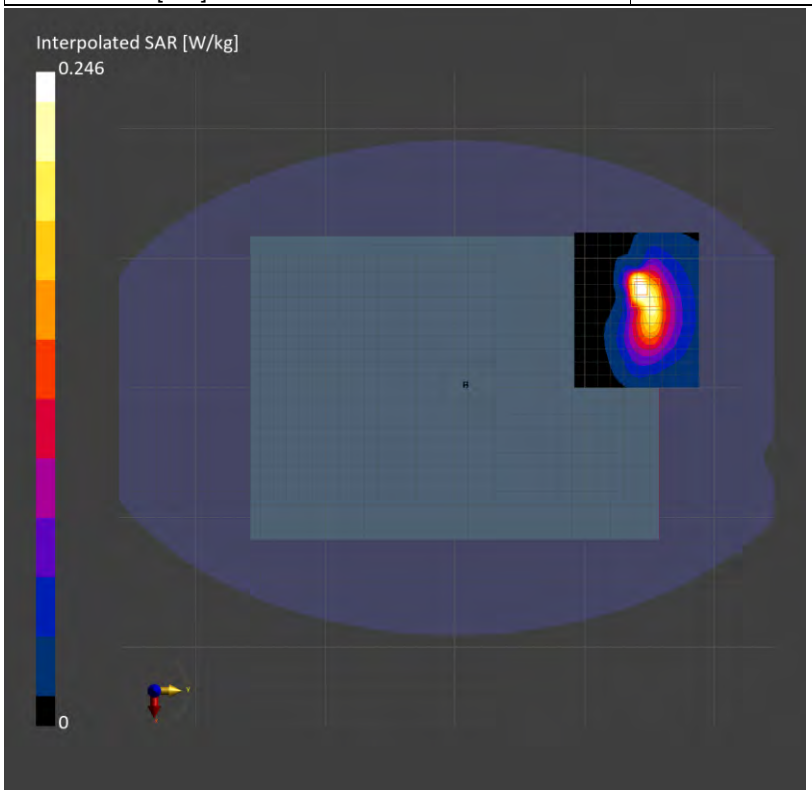
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-21	2024-03-21
psSAR1g [W/kg]	0.199	0.212
psSAR8g [W/kg]	0.111	0.121
psSAR10g [W/kg]	0.102	0.112
Power Drift [dB]	0.03	-0.03
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		5.9



ID: 066
Report No. : TESA2403000118E5
Measurement Report_Bluetooth(GFSK)_Body_Bottom Surface_CH 78_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	2480.0, 78	8.07	1.911	40.15

Hardware Setup

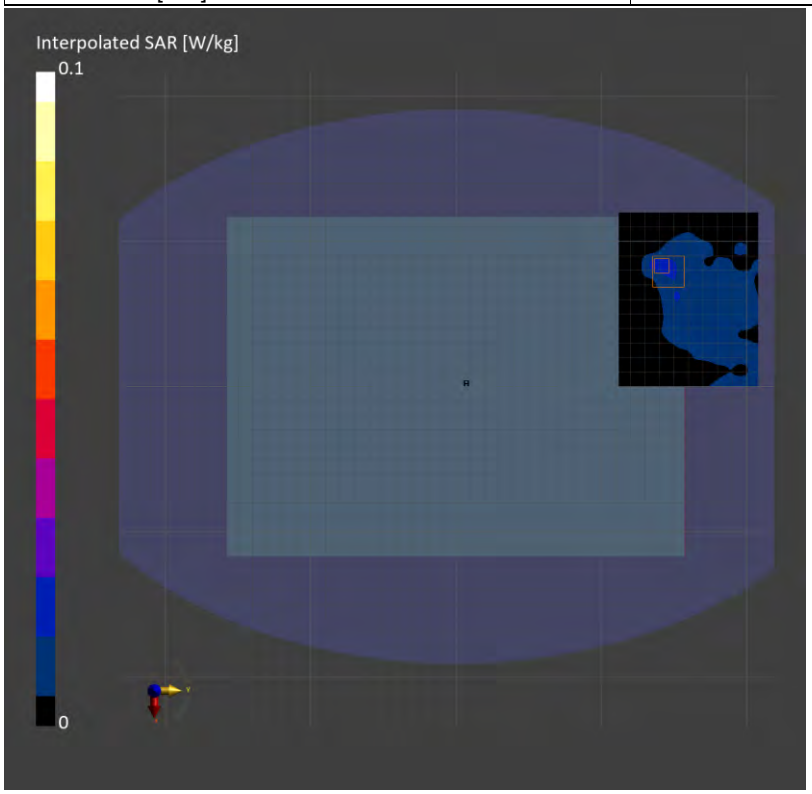
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-21	2024-03-21
psSAR1g [W/kg]	0.016	0.019
psSAR8g [W/kg]	0.009	0.012
psSAR10g [W/kg]	0.008	0.011
Power Drift [dB]	0.02	-0.01
M2/M1 [%]		62.1
Dist 3dB Peak [mm]		8.0



ID: 067
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11n(40M) 5.2G_Body_Bottom Surface_CH 46_0mm_Aux
Ambient temperature: 22.6°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	5230.0, 46	5.99	4.84	36.939

Hardware Setup

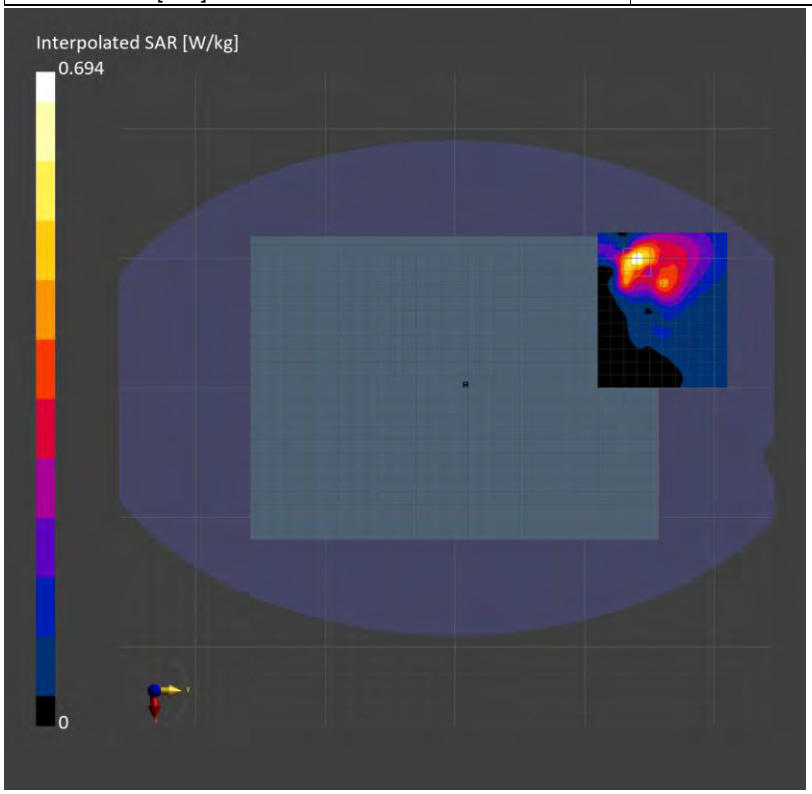
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.469	0.516
psSAR8g [W/kg]	0.195	0.231
psSAR10g [W/kg]	0.175	0.209
Power Drift [dB]	0.02	-0.03
M2/M1 [%]		61.4
Dist 3dB Peak [mm]		7.9



ID: 068
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11n(40M) 5.3G_Body_Bottom Surface_CH 54_0mm_Aux
Ambient temperature: 22.6°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	5270.0, 54	5.99	4.882	36.894

Hardware Setup

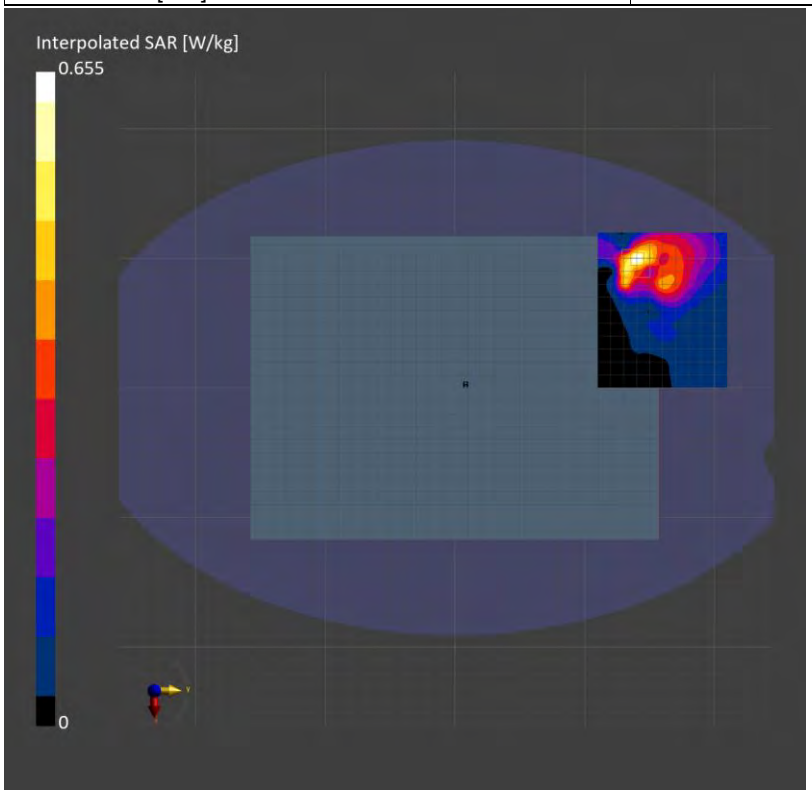
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-22	2024-03-22
psSAR1g [W/kg]	0.449	0.501
psSAR8g [W/kg]	0.191	0.226
psSAR10g [W/kg]	0.172	0.206
Power Drift [dB]	0.01	-0.04
M2/M1 [%]		60.9
Dist 3dB Peak [mm]		7.9



ID: 069
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Bottom Surface_CH 138_0mm_Aux
Ambient temperature: 22.8°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	5690.0, 138	5.38	5.326	36.414

Hardware Setup

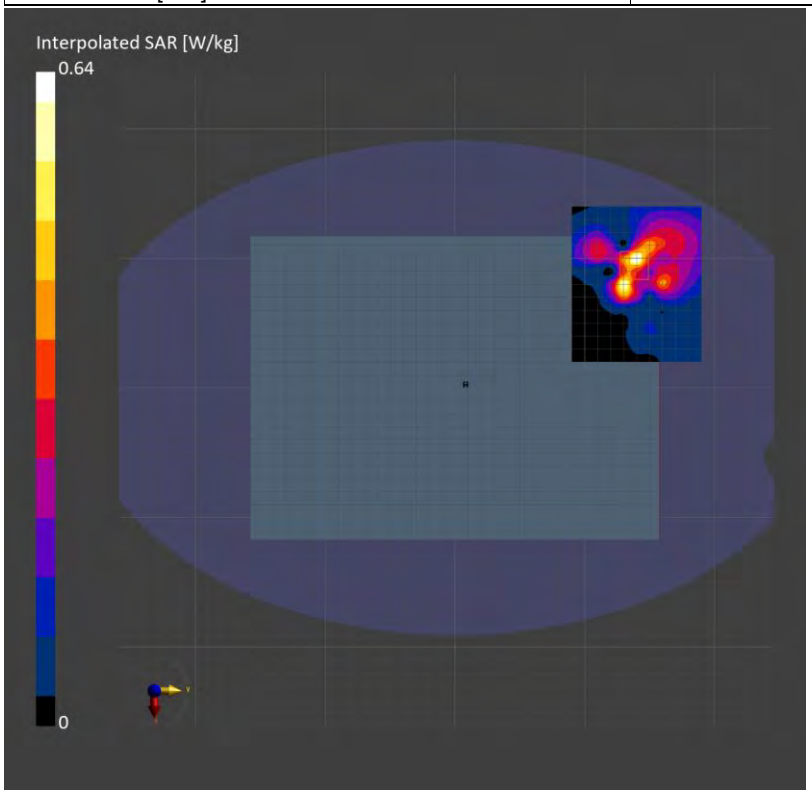
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.423	0.474
psSAR8g [W/kg]	0.165	0.202
psSAR10g [W/kg]	0.148	0.182
Power Drift [dB]	0.05	0.03
M2/M1 [%]		51.7
Dist 3dB Peak [mm]		7.6



ID: 070
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11n(40M) 5.8G_Body_Bottom Surface_CH 159_0mm_Aux
Ambient temperature: 22.8°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	5795.0, 159	5.38	5.437	36.294

Hardware Setup

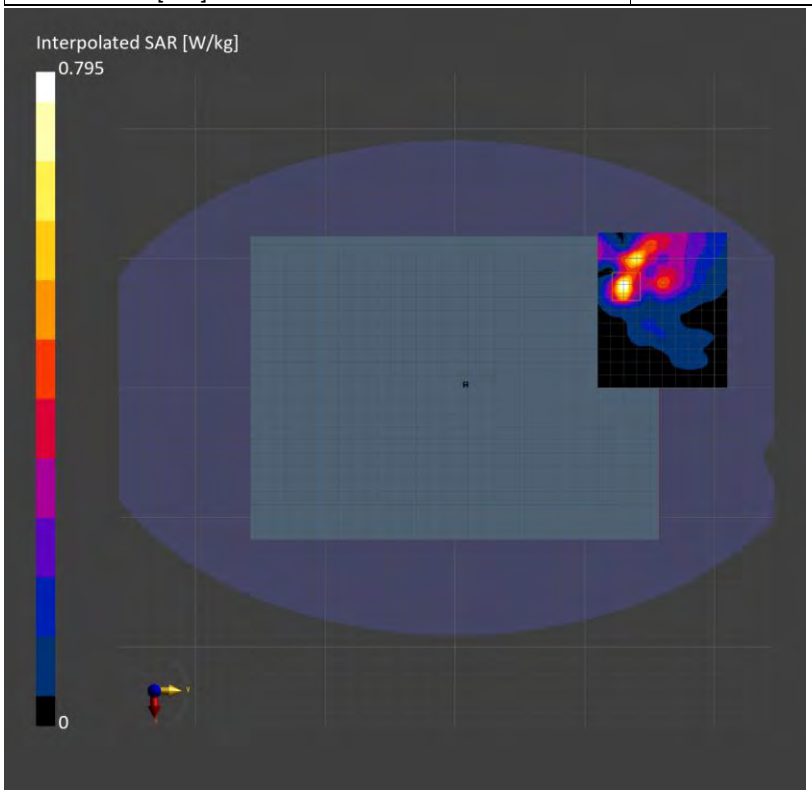
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.533	0.584
psSAR8g [W/kg]	0.197	0.241
psSAR10g [W/kg]	0.174	0.214
Power Drift [dB]	-0.05	-0.04
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		6.8



ID: 071
Report No. : TESA2403000118E5
Measurement Report_WLAN 802.11ax(40M) 5.9G_Body_Bottom Surface_CH 175_0mm_Aux
Ambient temperature: 22.8°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	5875.0, 175	5.14	5.521	36.202

Hardware Setup

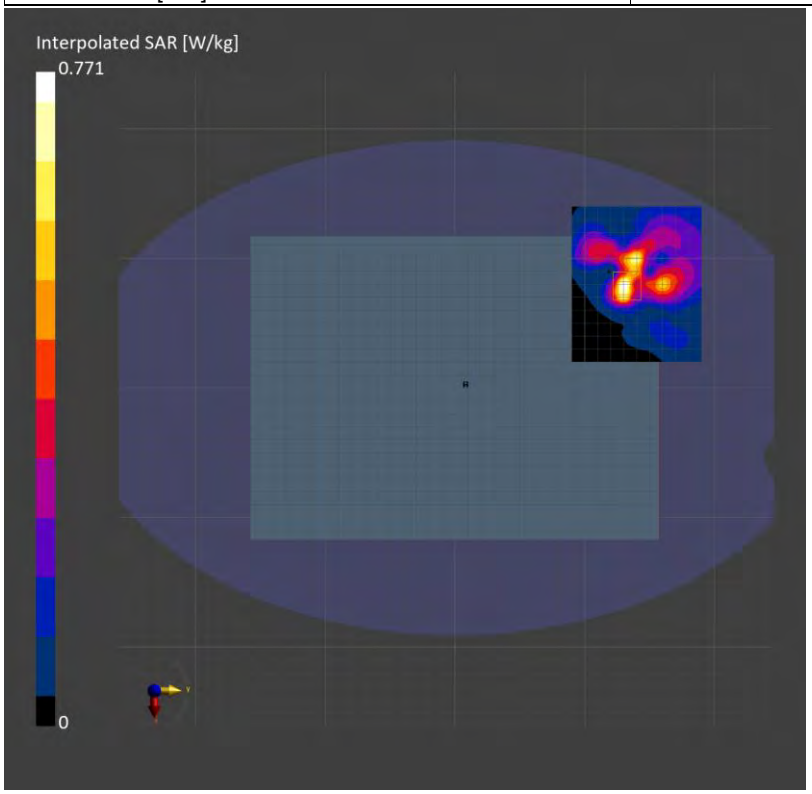
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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	2024-03-23	2024-03-23
psSAR1g [W/kg]	0.536	0.576
psSAR8g [W/kg]	0.204	0.213
psSAR10g [W/kg]	0.181	0.196
Power Drift [dB]	0.02	0.01
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		6.6



ID: 072
Report No. : TESA2403000118E5
Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Bottom Surface_CH 15_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6025.0, 15	6.38	5.681	36.029

Hardware Setup

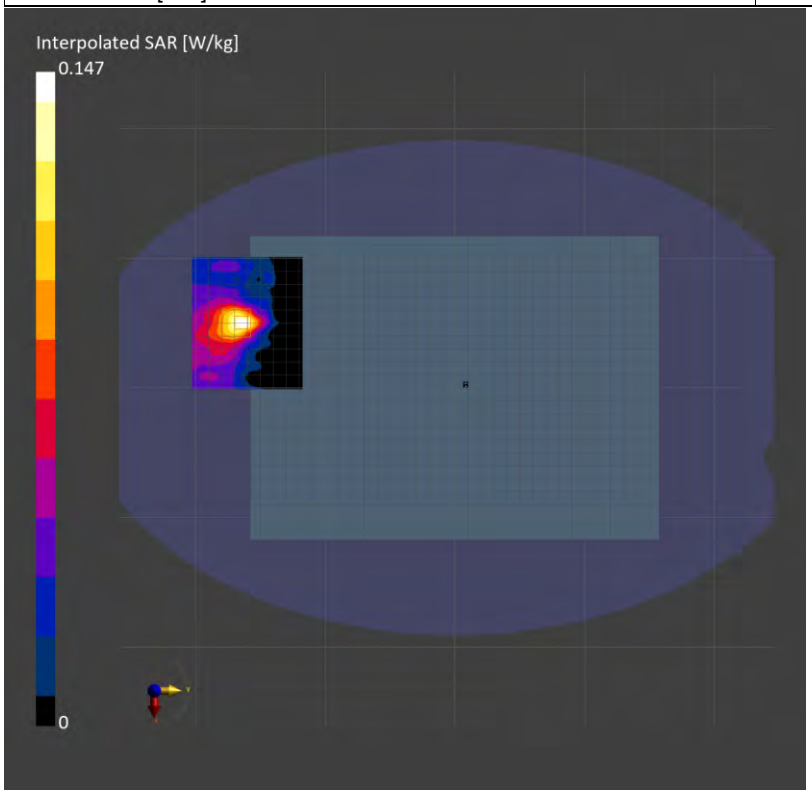
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.108	0.102
psSAR8g [W/kg]	0.047	0.043
psSAR10g [W/kg]	0.042	0.038
psPDab (4.0cm2, sq) [W/m2]		0.862
Power Drift [dB]	0.02	0.03
M2/M1 [%]		59.6
Dist 3dB Peak [mm]		7.4



ID: 073
Report No. : TESA2403000118E5
Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Bottom Surface_CH 47_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6185.0, 47	6.38	5.852	35.837

Hardware Setup

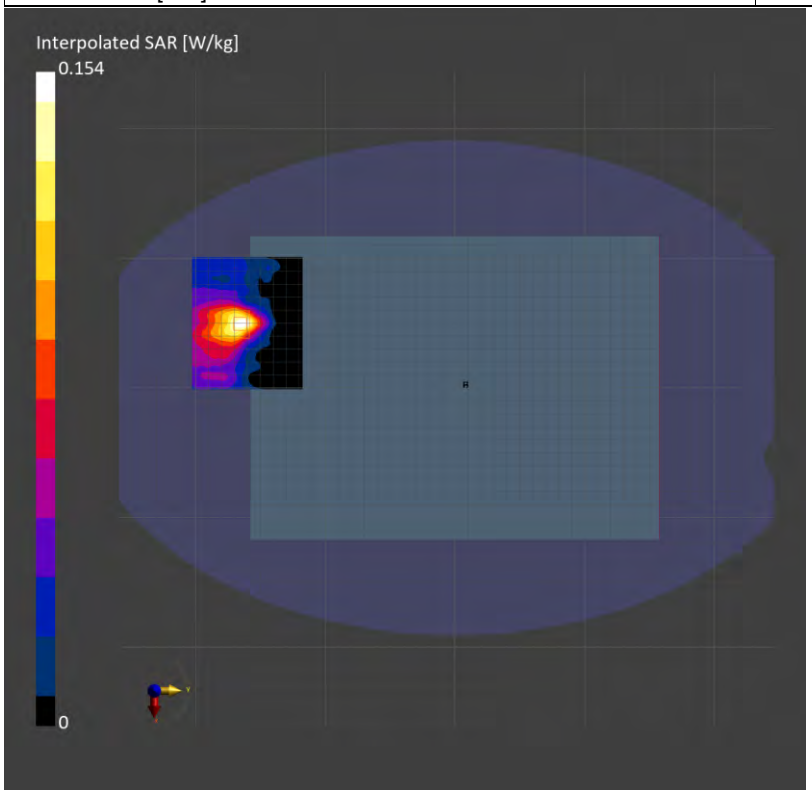
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.115	0.108
psSAR8g [W/kg]	0.050	0.045
psSAR10g [W/kg]	0.046	0.041
psPDab (4.0cm2, sq) [W/m2]		0.907
Power Drift [dB]	0.03	0.01
M2/M1 [%]		57.9
Dist 3dB Peak [mm]		7.4



ID: 074
Report No. : TESA2403000118E5
Measurement Report_U-NII-6 6.5GHz 802.11ax(160M)_Body_Bottom Surface_CH 111_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6505.0, 111	6.38	6.197	35.453

Hardware Setup

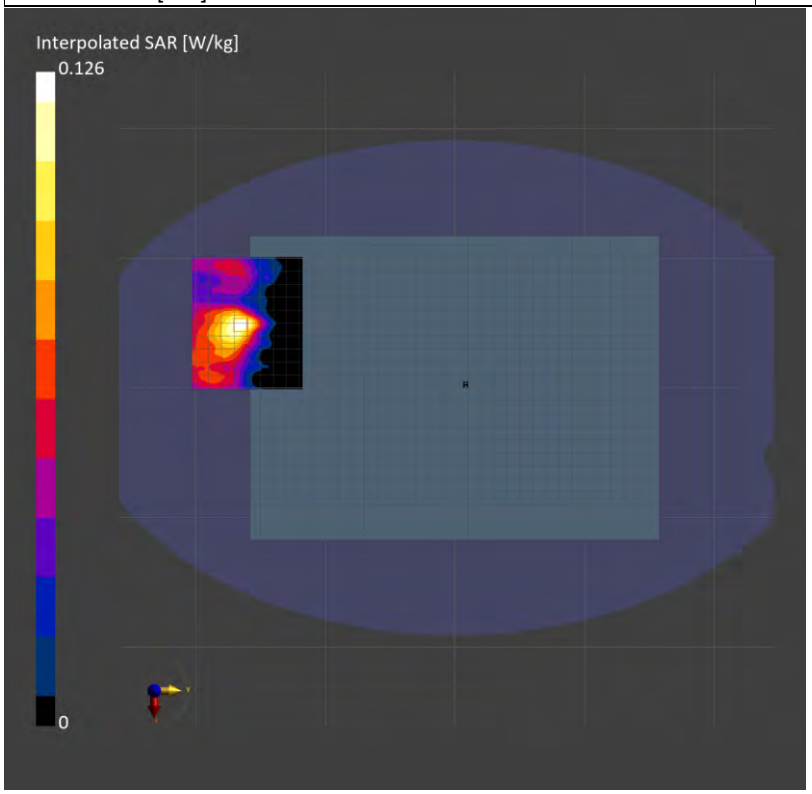
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.099	0.096
psSAR8g [W/kg]	0.044	0.040
psSAR10g [W/kg]	0.040	0.035
psPDab (4.0cm2, sq) [W/m2]		0.798
Power Drift [dB]	0.05	0.04
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		7.3



ID: 075
Report No. : TESA2403000118E5
Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Bottom Surface_CH 175_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6825.0, 175	6.38	6.547	35.069

Hardware Setup

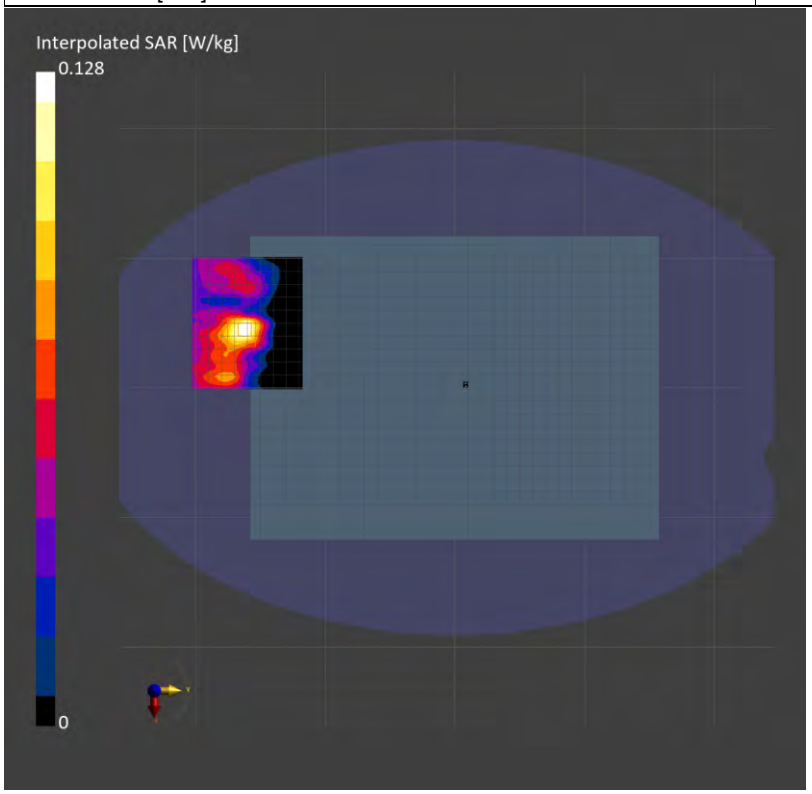
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.106	0.10
psSAR8g [W/kg]	0.045	0.038
psSAR10g [W/kg]	0.041	0.033
psPDab (4.0cm2, sq) [W/m2]		0.753
Power Drift [dB]	0.04	0.03
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		7.7



ID: 076
Report No. : TESA2403000118E5
Measurement Report_U-NII-8 7.0GHz 802.11ax(160M)_Body_Bottom Surface_CH 207_0mm_Main
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6985.0, 207	6.55	6.723	34.877

Hardware Setup

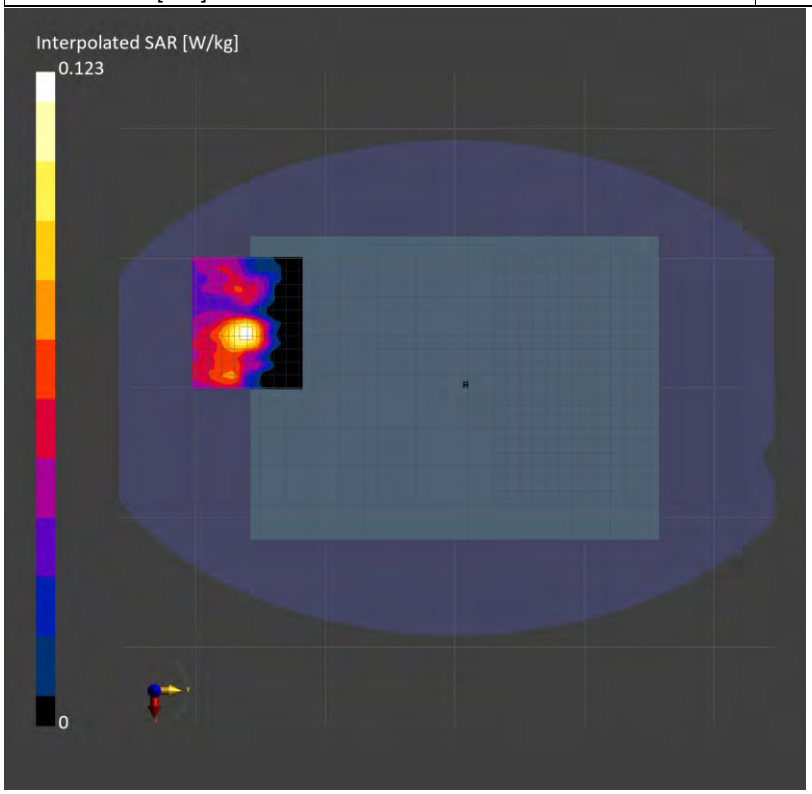
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.102	0.087
psSAR8g [W/kg]	0.045	0.035
psSAR10g [W/kg]	0.040	0.031
psPDab (4.0cm2, sq) [W/m2]		0.693
Power Drift [dB]	0.02	0.01
M2/M1 [%]		51.5
Dist 3dB Peak [mm]		7.1



ID: 077
Report No. : TESA2403000118E5
Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Bottom Surface_CH 15_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6025.0, 15	6.38	5.681	36.029

Hardware Setup

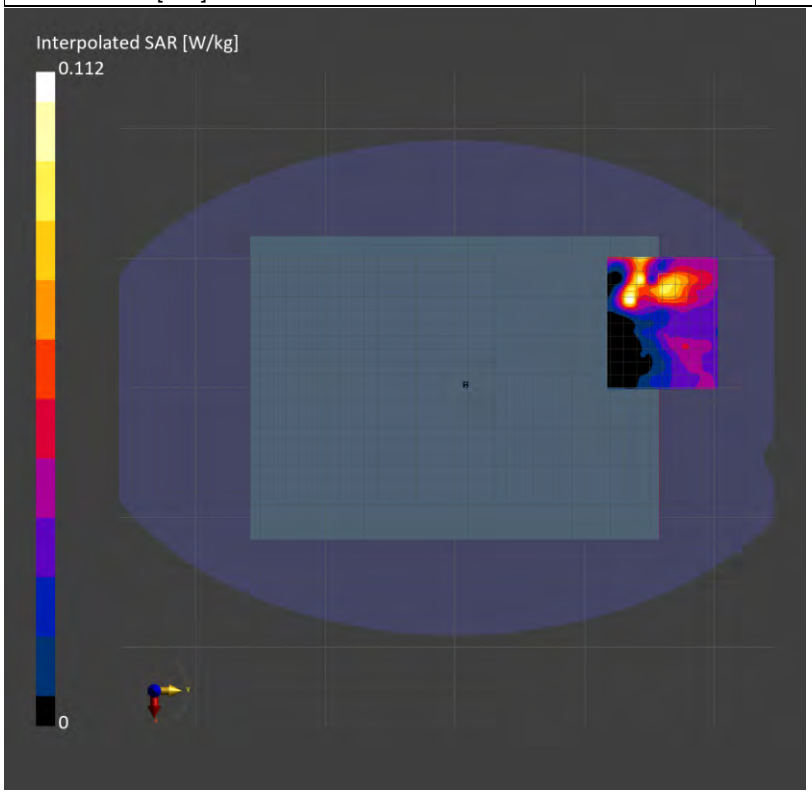
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.073	0.066
psSAR8g [W/kg]	0.030	0.024
psSAR10g [W/kg]	0.028	0.021
psPDab (4.0cm2, sq) [W/m2]		0.476
Power Drift [dB]	-0.01	-0.02
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		5.2



ID: 078
Report No. : TESA2403000118E5
Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Bottom Surface_CH 47_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6185.0, 47	6.38	5.852	35.837

Hardware Setup

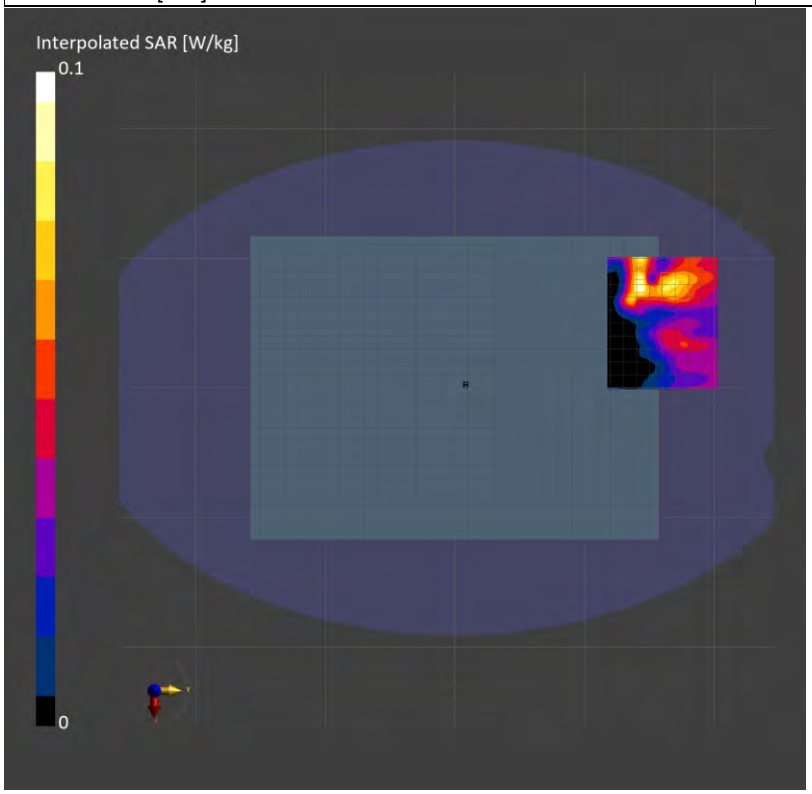
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.068	0.065
psSAR8g [W/kg]	0.028	0.020
psSAR10g [W/kg]	0.026	0.018
psPDab (4.0cm2, sq) [W/m2]		0.394
Power Drift [dB]	-0.03	-0.04
M2/M1 [%]		53.3
Dist 3dB Peak [mm]		5.0



ID: 079
Report No. : TESA2403000118E5
Measurement Report_U-NII-6 6.5GHz 802.11ax(160M)_Body_Bottom Surface_CH 111_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6505.0, 111	6.38	6.197	35.453

Hardware Setup

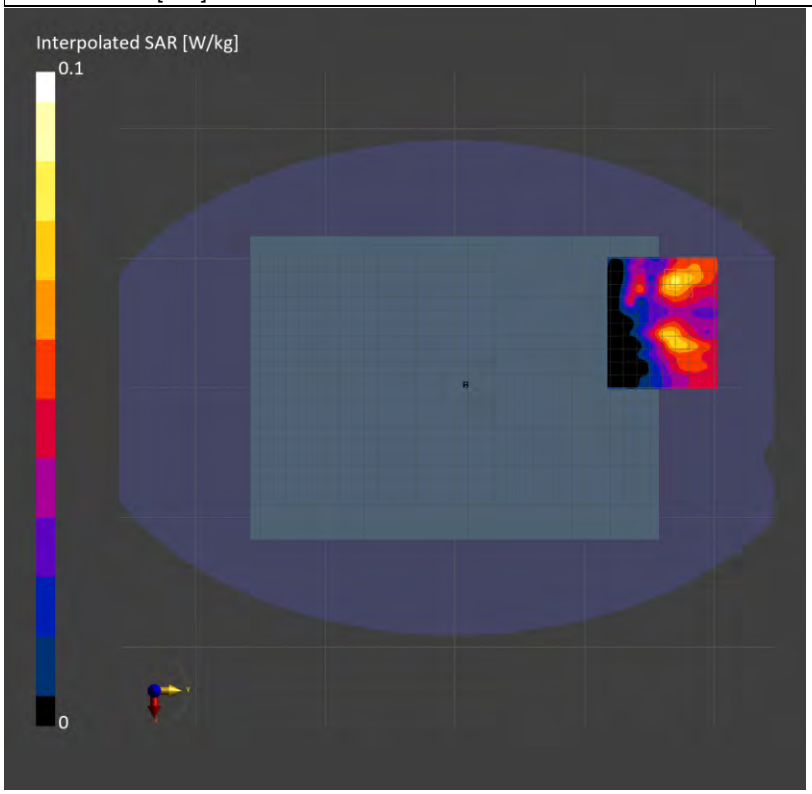
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.062	0.042
psSAR8g [W/kg]	0.028	0.019
psSAR10g [W/kg]	0.026	0.017
psPDab (4.0cm2, sq) [W/m2]		0.376
Power Drift [dB]	-0.05	-0.03
M2/M1 [%]		55.5
Dist 3dB Peak [mm]		10.2



ID: 080
Report No. : TESA2403000118E5
Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Bottom Surface_CH 143_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°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	6665.0, 143	6.38	6.371	35.261

Hardware Setup

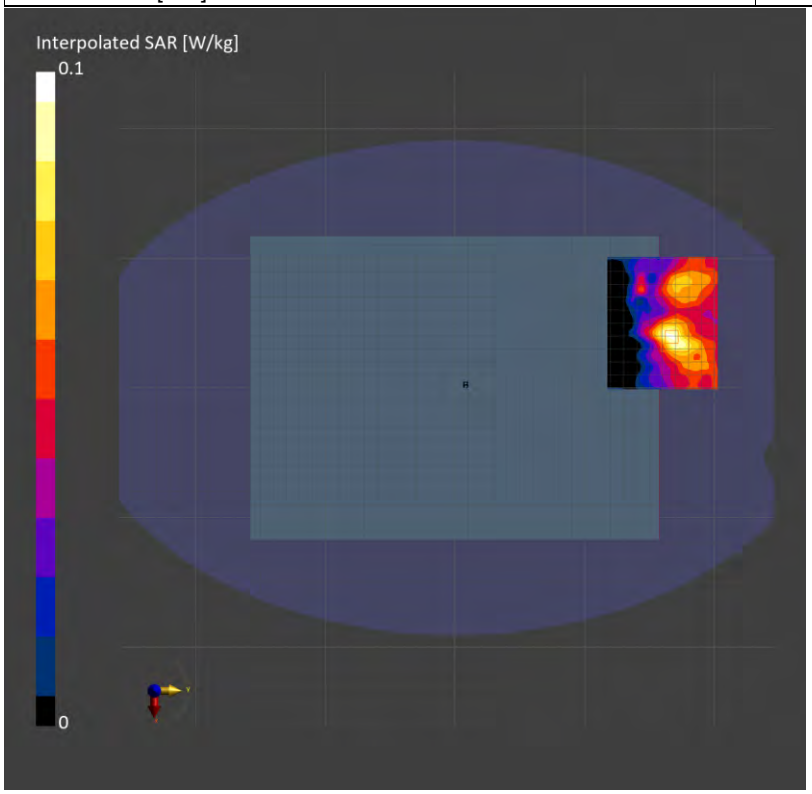
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.077	0.063
psSAR8g [W/kg]	0.034	0.025
psSAR10g [W/kg]	0.031	0.022
psPDab (4.0cm2, sq) [W/m2]		0.495
Power Drift [dB]	-0.04	0.01
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		9.2



ID: 081
Report No. : TESA2403000118E5
Measurement Report_U-NII-8 7.0GHz 802.11ax(160M)_Body_Bottom Surface_CH 207_0mm_Aux
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6985.0, 207	6.55	6.723	34.877

Hardware Setup

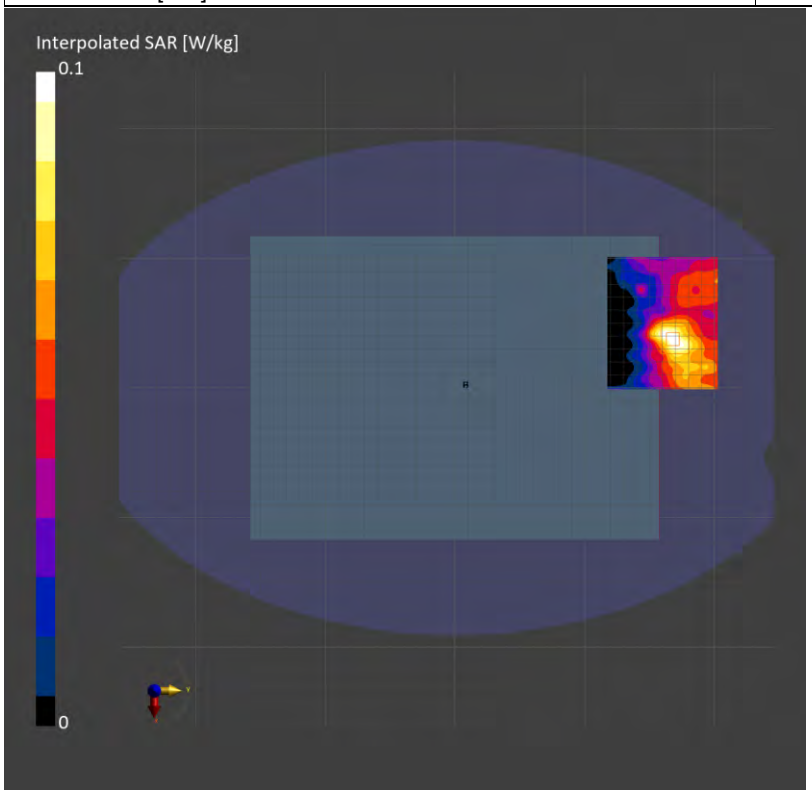
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 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	2024-03-24	2024-03-24
psSAR1g [W/kg]	0.084	0.063
psSAR8g [W/kg]	0.038	0.026
psSAR10g [W/kg]	0.035	0.023
psPDab (4.0cm2, sq) [W/m2]		0.520
Power Drift [dB]	0.03	0.05
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		8.2



13 PD MEASUREMENT RESULTS

ID: 049
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-5,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 15 (6025.0 MHz)

Exposure Conditions

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

Hardware Setup

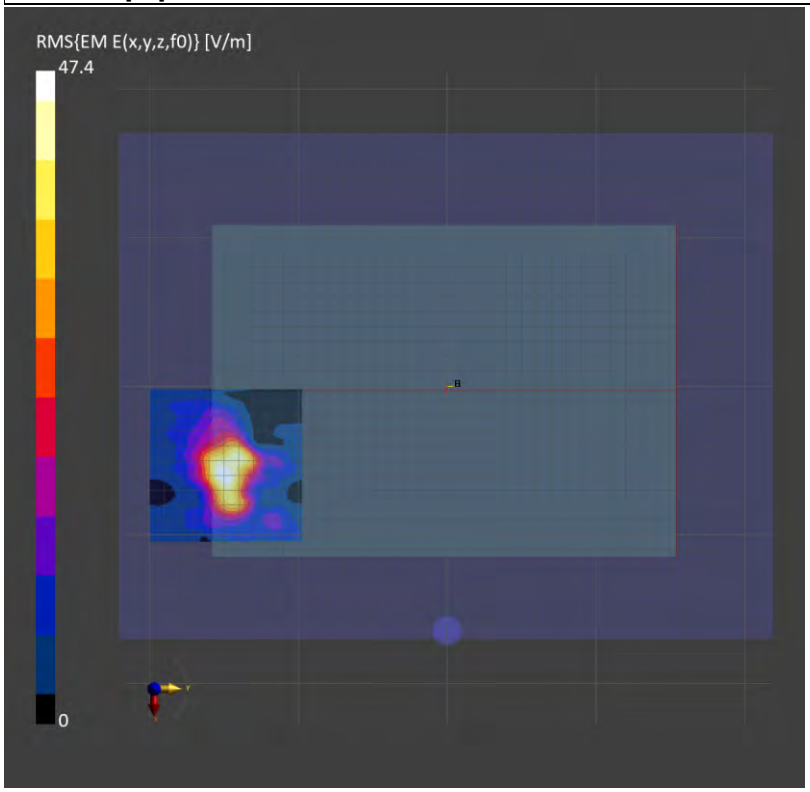
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	2.91
psPDtot+ [W/m^2]	3.32
psPDmod+ [W/m^2]	3.72
E_{max} [V/m]	57.4
Power Drift [dB]	-0.04



ID: 050
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-5,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 79 (6345.0 MHz)

Exposure Conditions

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

Hardware Setup

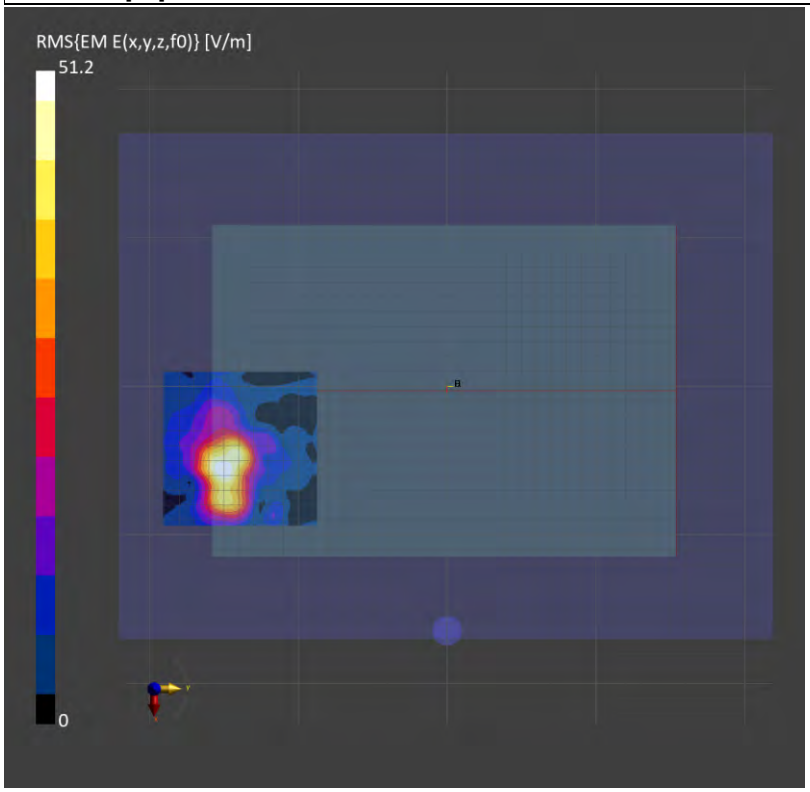
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	3.20
psPDtot+ [W/m^2]	3.88
psPDmod+ [W/m^2]	4.43
E_{max} [V/m]	51.2
Power Drift [dB]	-0.05



ID: 051
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-6,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)

Exposure Conditions

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

Hardware Setup

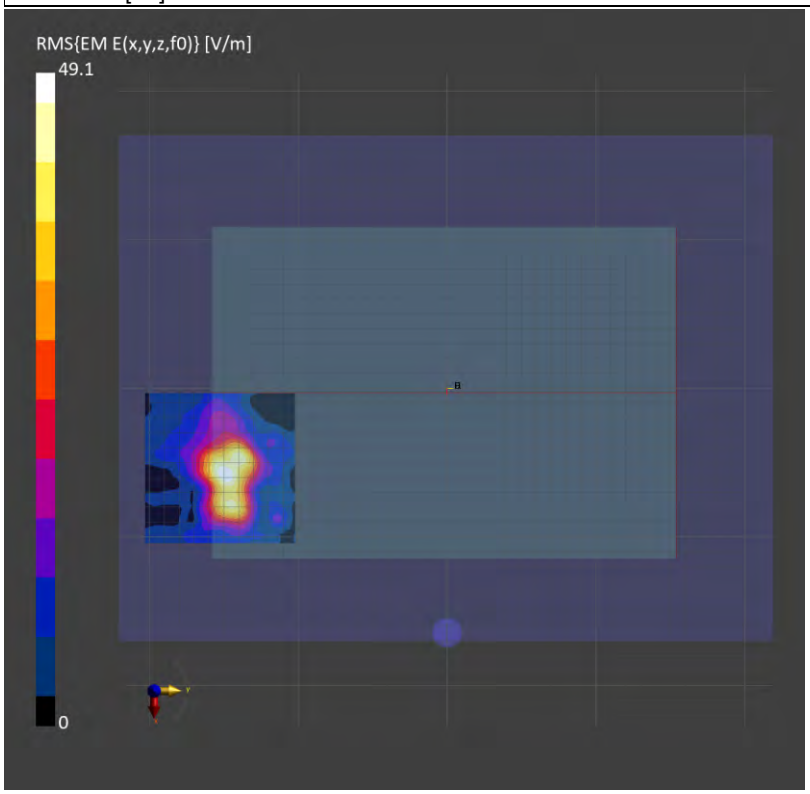
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-26
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	2.91
psPDtot+ [W/m^2]	3.48
psPDmod+ [W/m^2]	3.99
E_{max} [V/m]	59.1
Power Drift [dB]	-0.03



ID: 052
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-7,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 175 (6825.0 MHz)

Exposure Conditions

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

Hardware Setup

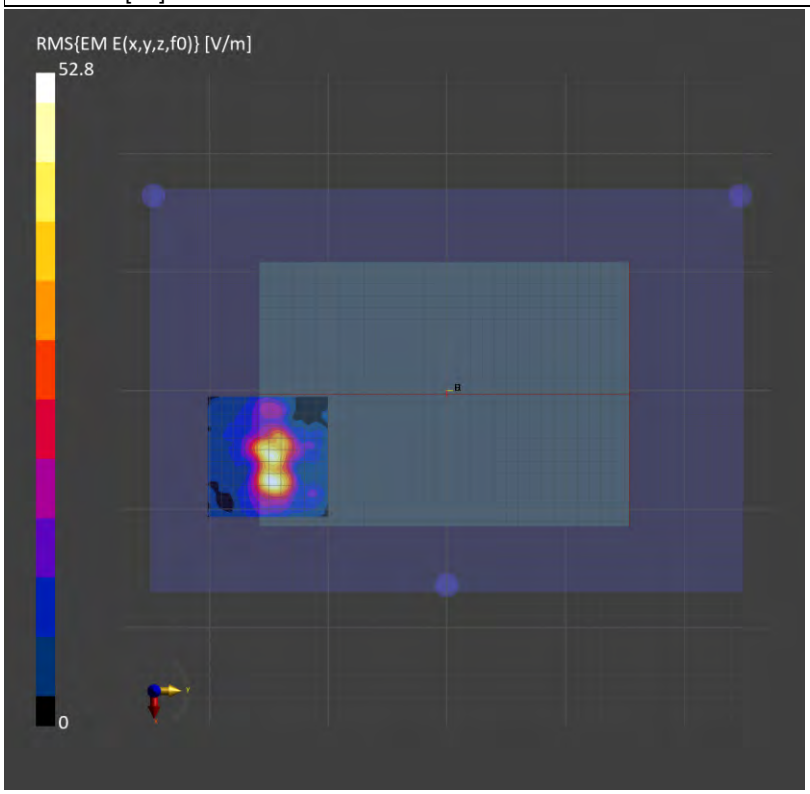
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-26
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	2.83
psPDtot+ [W/m^2]	3.50
psPDmod+ [W/m^2]	3.96
E_{max} [V/m]	52.8
Power Drift [dB]	-0.02



ID: 053
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-8,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)

Exposure Conditions

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

Hardware Setup

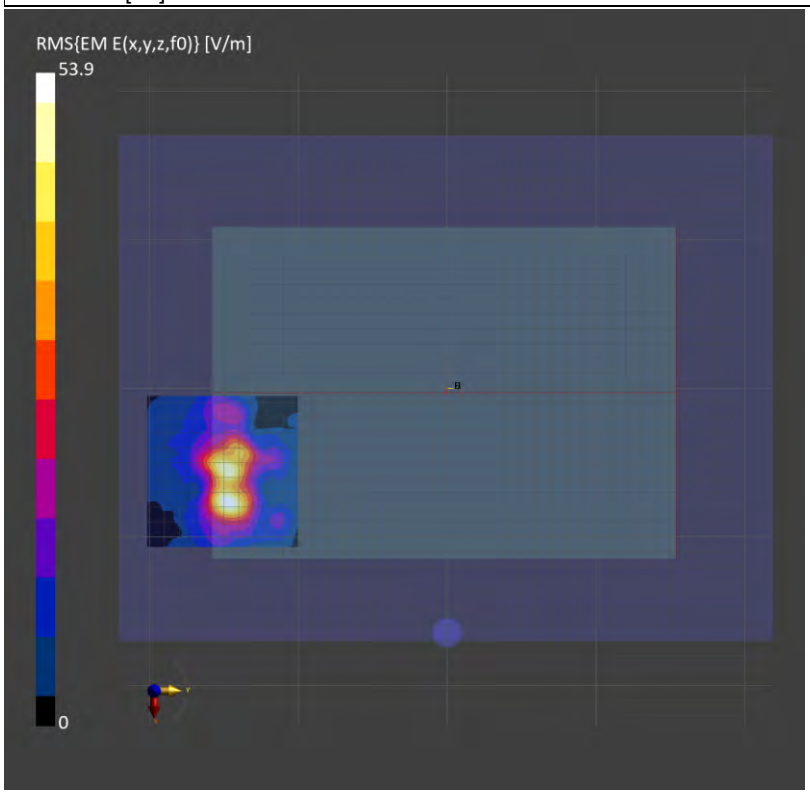
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-27
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	2.77
psPDtot+ [W/m^2]	3.31
psPDmod+ [W/m^2]	3.73
E_{max} [V/m]	53.9
Power Drift [dB]	-0.02



ID: 054
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-5,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 15 (6025.0 MHz)

Exposure Conditions

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

Hardware Setup

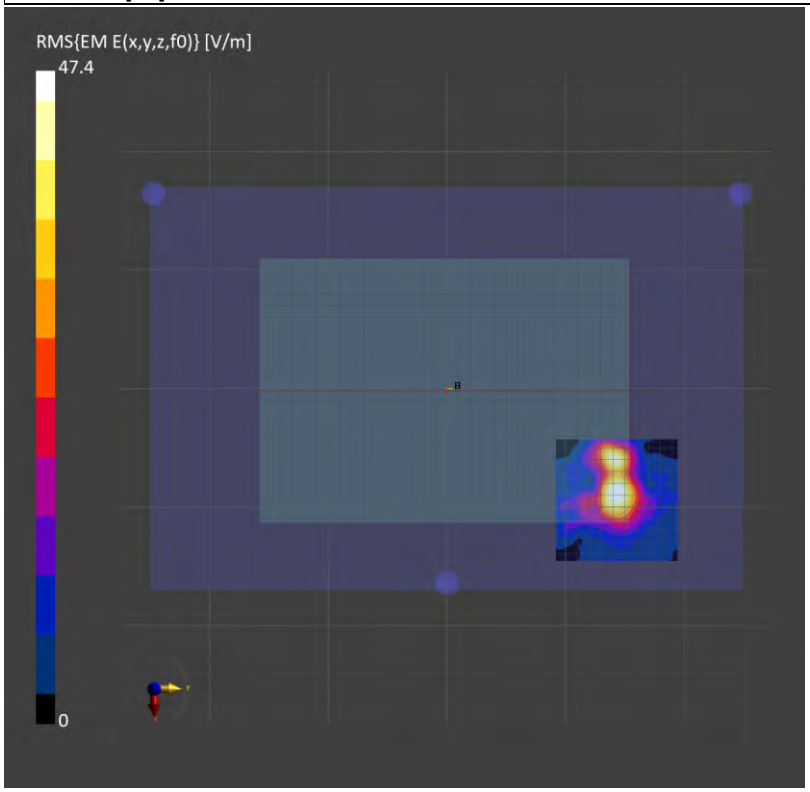
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	2.90
psPDtot+ [W/m^2]	3.44
psPDmod+ [W/m^2]	3.70
E_{max} [V/m]	57.4
Power Drift [dB]	0.03



ID: 055
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-5,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 47 (6185.0 MHz)

Exposure Conditions

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

Hardware Setup

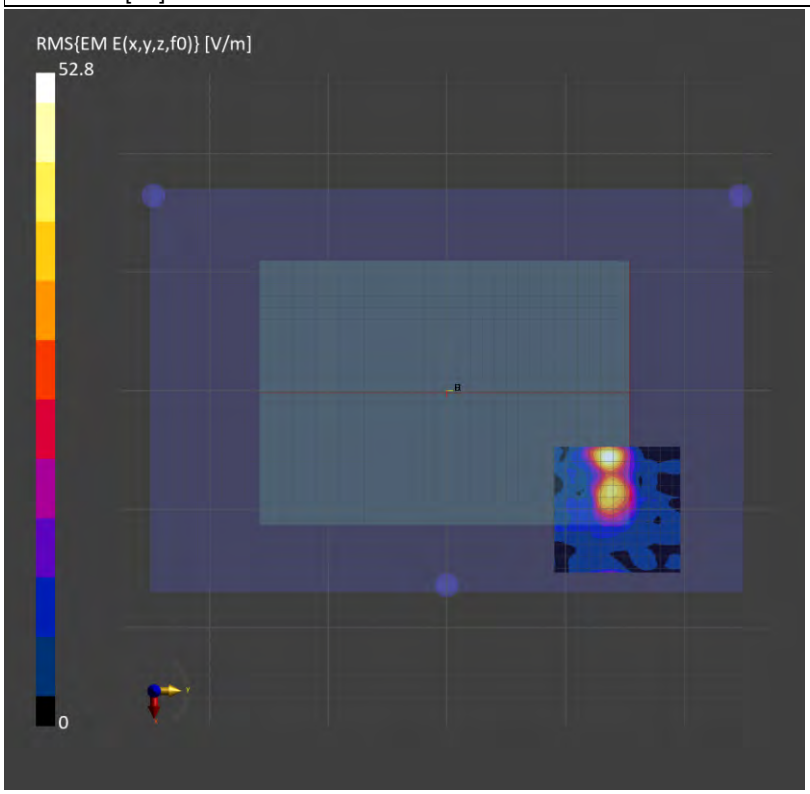
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-25
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	1.97
psPDtot+ [W/m^2]	2.28
psPDmod+ [W/m^2]	2.80
E_{max} [V/m]	52.8
Power Drift [dB]	-0.04



ID: 056
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-6,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)

Exposure Conditions

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

Hardware Setup

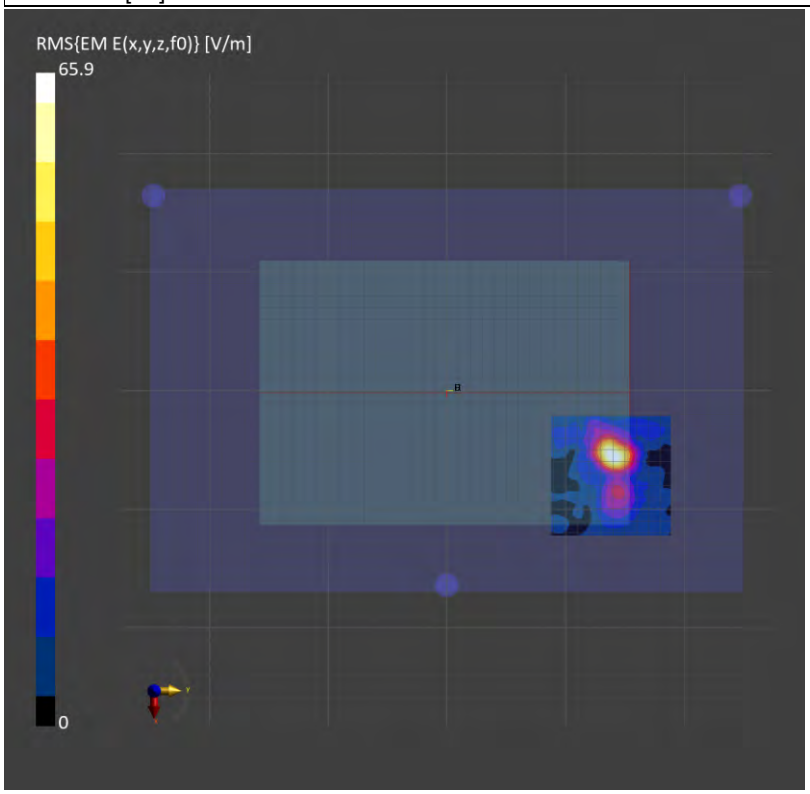
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-26
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	2.92
psPDtot+ [W/m^2]	3.61
psPDmod+ [W/m^2]	4.75
E_{max} [V/m]	65.9
Power Drift [dB]	-0.05



ID: 057
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-7,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 175 (6825.0 MHz)

Exposure Conditions

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

Hardware Setup

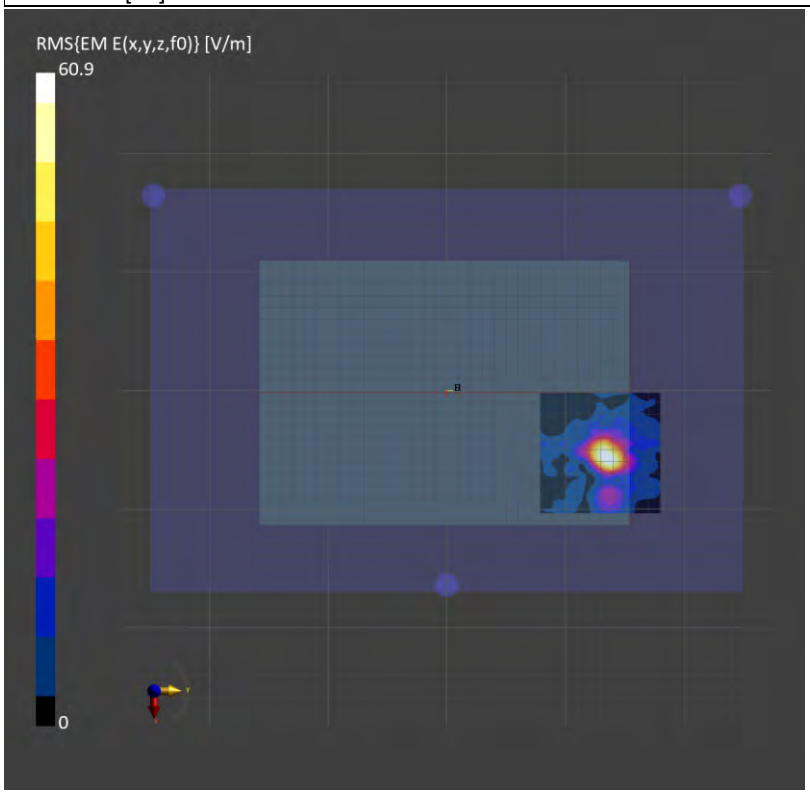
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-26
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	2.89
psPDtot+ [W/m^2]	3.69
psPDmod+ [W/m^2]	4.48
E_{max} [V/m]	60.9
Power Drift [dB]	0.02



ID: 058
Report No. : TESA2403000118E5
Measurement Report_Back Surface, U-NII-8,
IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)

Exposure Conditions

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

Hardware Setup

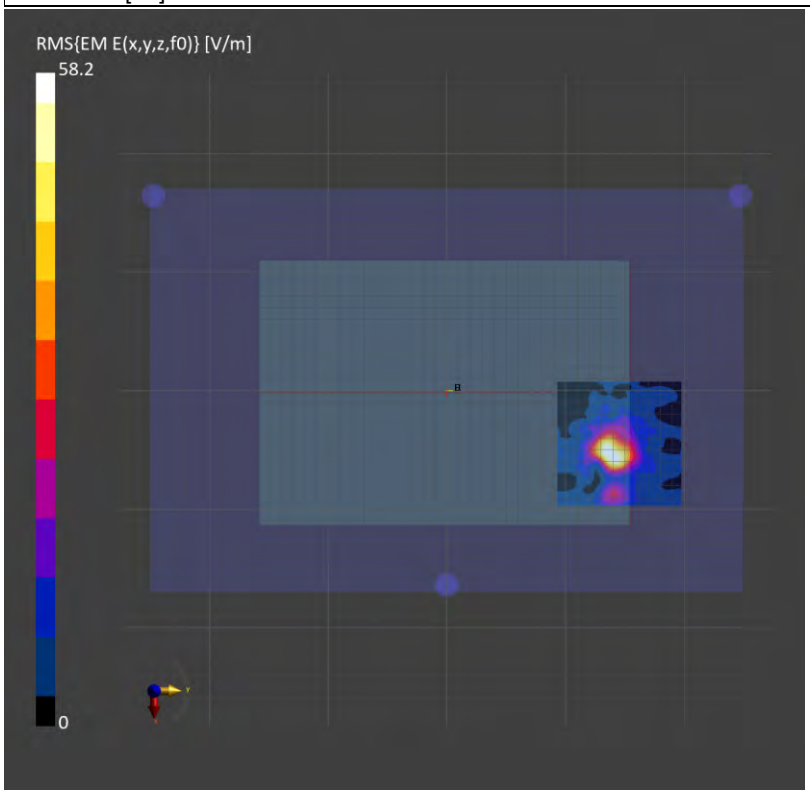
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-27
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	2.59
psPDtot+ [W/m^2]	3.41
psPDmod+ [W/m^2]	4.24
E_{max} [V/m]	58.2
Power Drift [dB]	-0.02



14 SAR SYSTEM CHECK RESULTS

Report No. : TESA2403000118E5
Measurement Report
Dipole_D6500-SN:1006
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	6.38	6.192	35.459

Hardware Setup

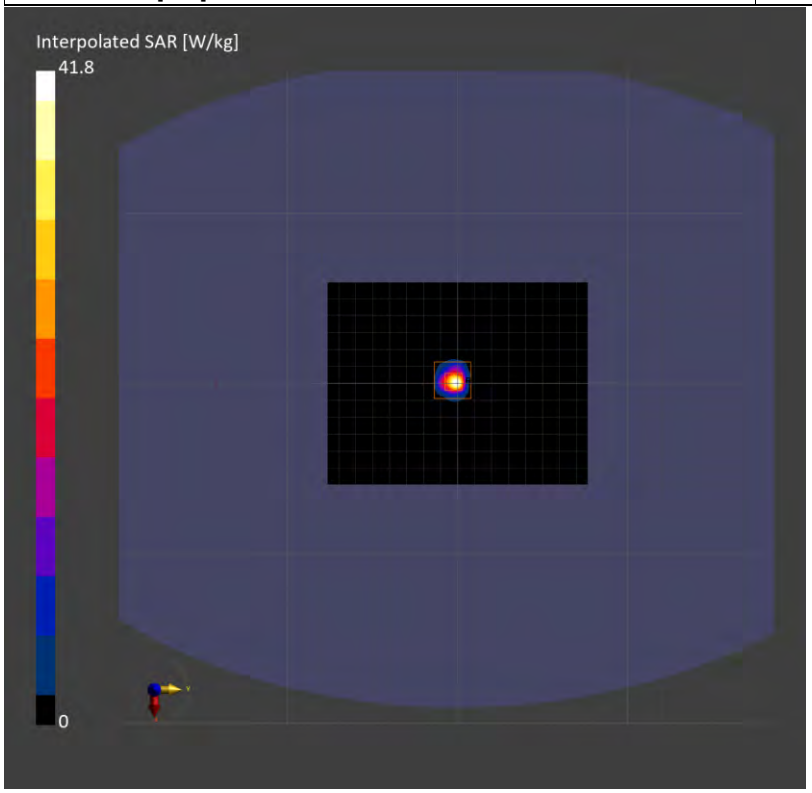
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 153.0	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	2024-03-24	2024-03-24
psSAR1g [W/kg]	24.3	28.3
psSAR8g [W/kg]	6.20	6.57
psSAR10g [W/kg]	5.15	5.40
psPDab (4.0cm2, sq) [W/m2]		131
Power Drift [dB]	-0.03	-0.01
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		4.9



Report No. : TESA2403000118E5
Measurement Report
Dipole_D7000-SN:1007
Ambient temperature: 22.4°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	6.55	6.74	34.859

Hardware Setup

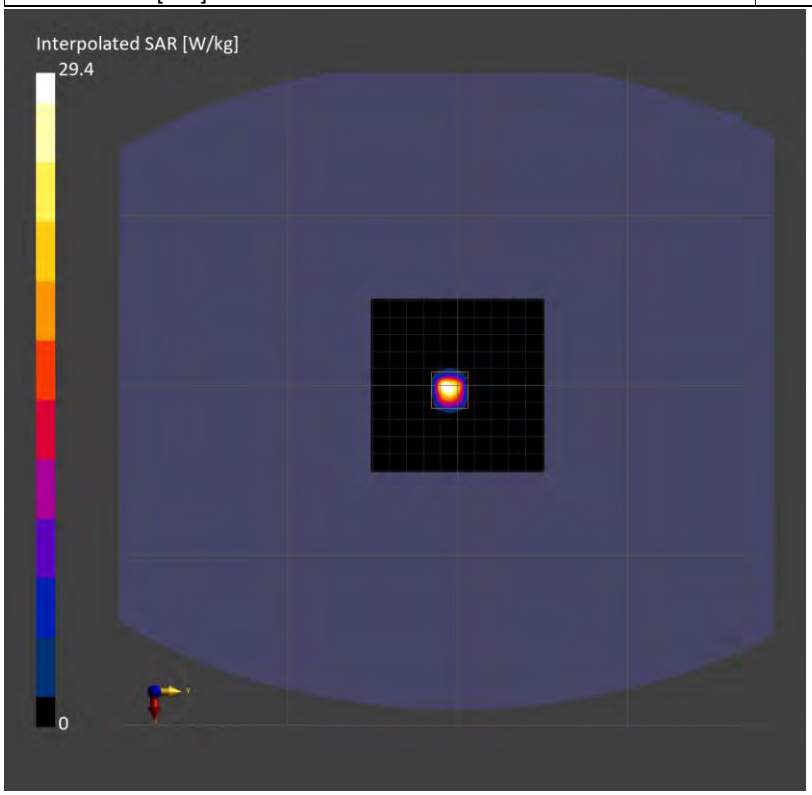
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-03-24	2024-03-24
psSAR1g [W/kg]	22.3	27.8
psSAR8g [W/kg]	6.19	6.24
psSAR10g [W/kg]	5.14	5.12
psPDab (4.0cm2, sq) [W/m2]		125
Power Drift [dB]	-0.01	-0.06
M2/M1 [%]		58.4
Dist 3dB Peak [mm]		4.8



Report No. : TESA2403000118E5
Measurement Report
Dipole_D2450-SN:727
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, HSL	FRONT, 10.00	8.07	1.883	40.188

Hardware Setup

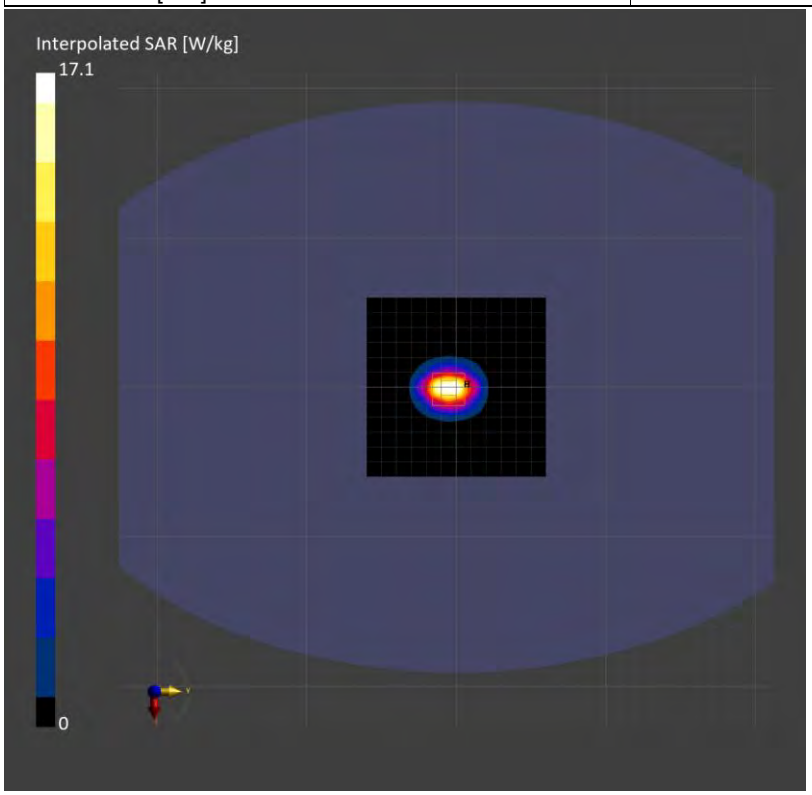
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

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	2024-03-21	2024-03-21
psSAR1g [W/kg]	13.4	13.5
psSAR8g [W/kg]	6.86	6.77
psSAR10g [W/kg]	6.19	6.11
Power Drift [dB]	-0.04	-0.02
M2/M1 [%]		57.2
Dist 3dB Peak [mm]		9.0



Report No. : TESA2403000118E5
Measurement Report
Dipole_D5250-SN:1023
Ambient temperature: 22.6°C; Liquid temperature: 21.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.99	4.861	36.917

Hardware Setup

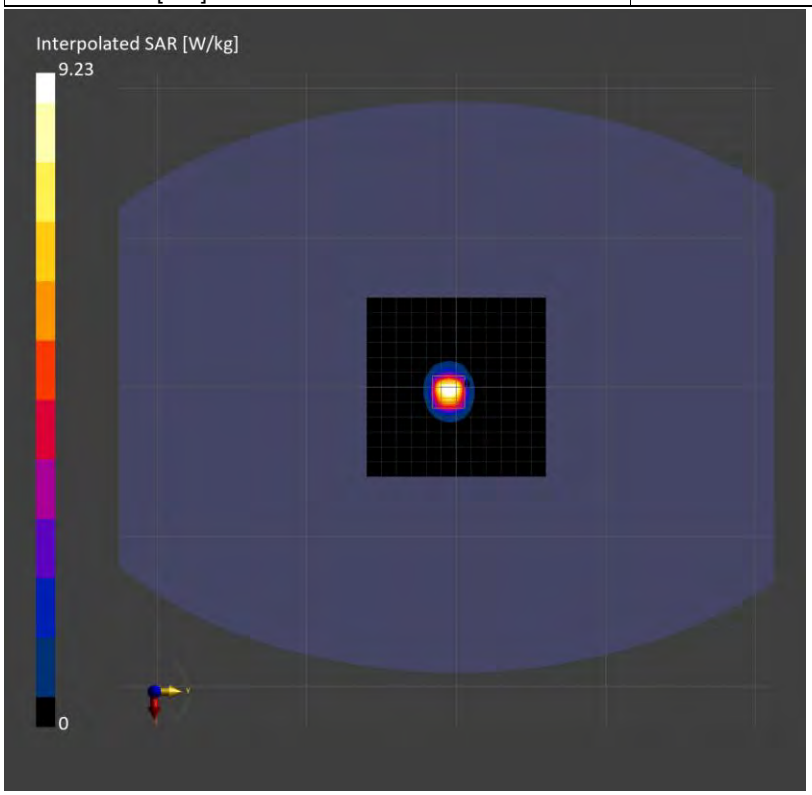
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

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	2024-03-22	2024-03-22
psSAR1g [W/kg]	6.73	7.98
psSAR8g [W/kg]	2.51	2.69
psSAR10g [W/kg]	2.17	2.31
Power Drift [dB]	-0.04	-0.06
M2/M1 [%]		55.0
Dist 3dB Peak [mm]		7.2



Report No. : TESA2403000118E5
Measurement Report
Dipole_D5600-SN:1023
Ambient temperature: 22.6°C; Liquid temperature: 21.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.22	5.231	36.517

Hardware Setup

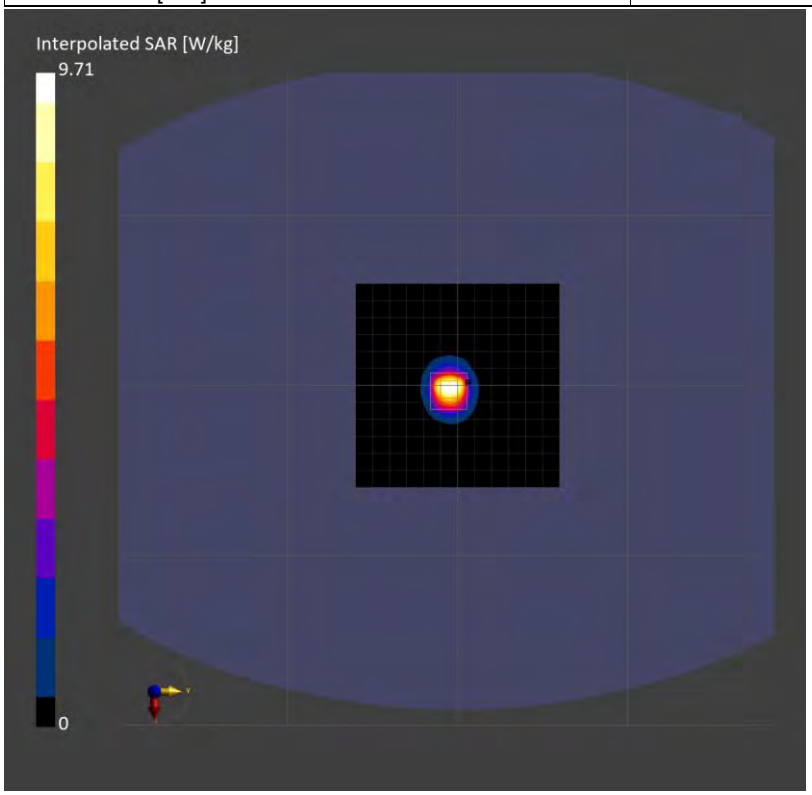
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

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	2024-03-22	2024-03-22
psSAR1g [W/kg]	7.09	8.26
psSAR8g [W/kg]	2.59	2.79
psSAR10g [W/kg]	2.24	2.40
Power Drift [dB]	-0.02	-0.03
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		7.9



Report No. : TESA2403000118E5
Measurement Report
Dipole_D5750-SN:1023
Ambient temperature: 22.8°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.38	5.389	36.345

Hardware Setup

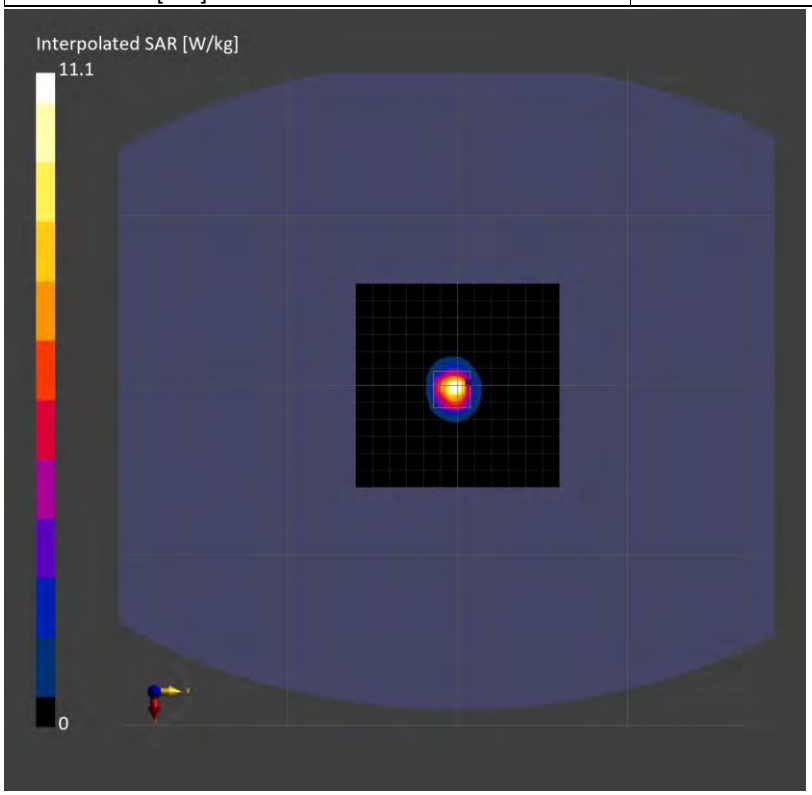
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

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	2024-03-23	2024-03-23
psSAR1g [W/kg]	7.38	7.92
psSAR8g [W/kg]	2.57	2.67
psSAR10g [W/kg]	2.22	2.29
Power Drift [dB]	-0.02	-0.04
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		7.6



Report No. : TESA2403000118E5
Measurement Report
Dipole_D5850-SN:1023
Ambient temperature: 22.8°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.14	5.495	36.231

Hardware Setup

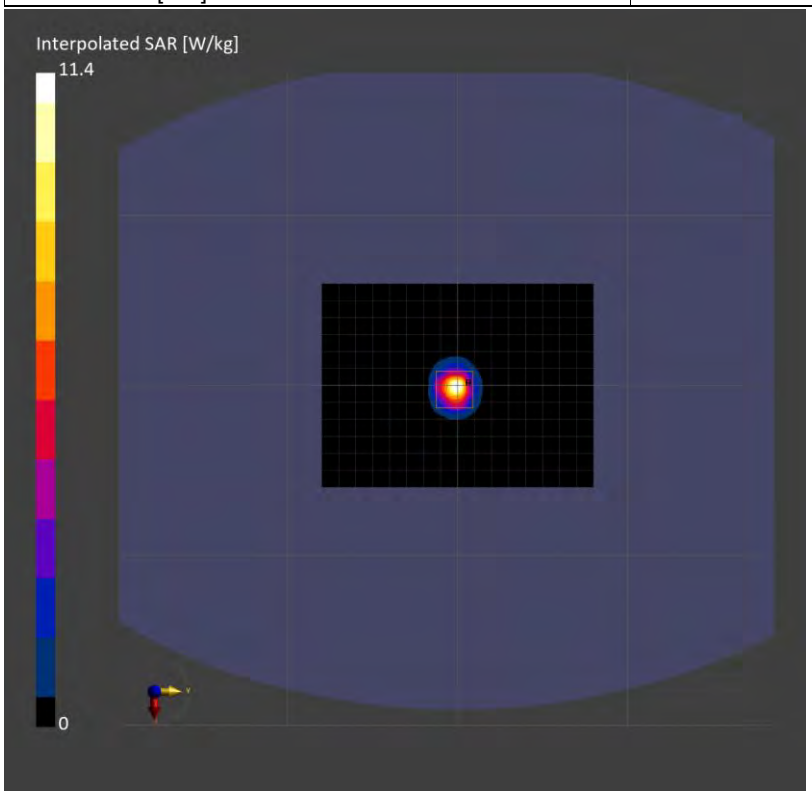
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

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	2024-03-23	2024-03-23
psSAR1g [W/kg]	7.35	7.83
psSAR8g [W/kg]	2.48	2.61
psSAR10g [W/kg]	2.14	2.24
Power Drift [dB]	-0.01	-0.02
M2/M1 [%]		51.3
Dist 3dB Peak [mm]		7.6



15 PD SYSTEM CHECK RESULTS

Report No. : TESA2403000118E5
Measurement Report
5G Verification Source 10GHz-SN: 1070
Exposure Conditions

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

Hardware Setup

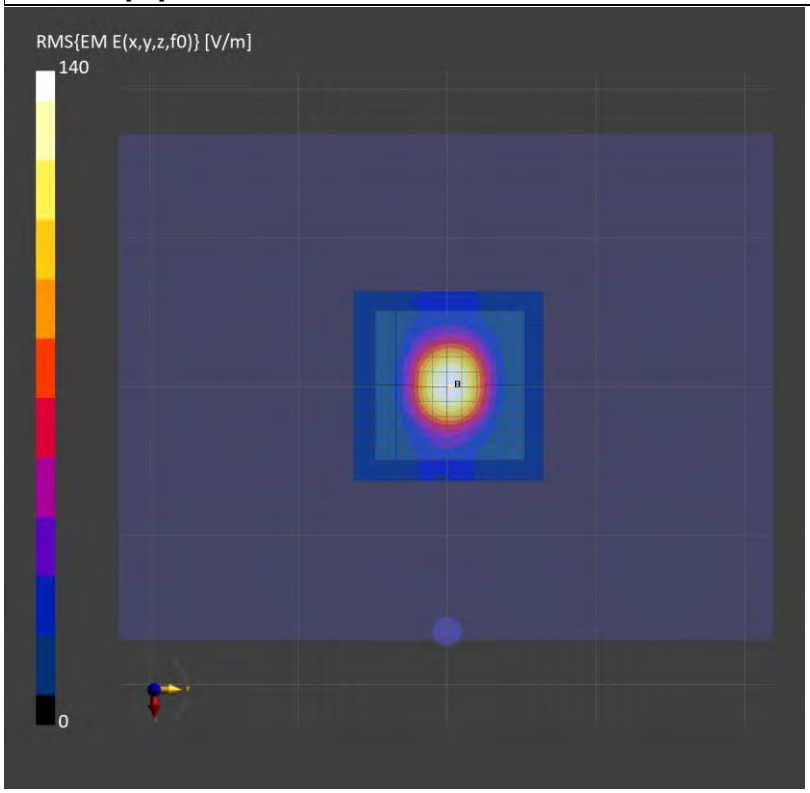
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1106	EUmmWV4 - SN9635_F1-55GHz, 2023-04-20	DAE4 Sn547, 2024-01-18

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-03-24
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	49.9
psPDtot+ [W/m^2]	50.2
psPDmod+ [W/m^2]	50.5
E_{max} [V/m]	137
Power Drift [dB]	0.02



16 APPENDIXES

Refer to separated files for the following appendixes.

16.1 SAR_Appendix A Photographs

16.2 SAR_Appendix B DAE & Probe Cal. Certificate

16.3 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -