

RF Exposure report



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

EUT Description Wireless module installed in Notebook Computer
Brand Name acer
Model No. BE200D2W
Host Model Number: N25Q10
Applicant Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd. Xizhi, New Taipei City 221
Taiwan
Standards IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID HLZBE200D2
Date of EUT Receipt Oct. 28, 2024
Date of Test(s) Nov. 19, 2024 ~ Dec. 04, 2024
Date of Issue Jan. 07, 2025

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

Remarks:

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

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Signed on behalf of SGS

Clerk / Kimmy Chiou	PM / Jasper Wang	Approved By / John Yeh

Date: Jan. 07, 2025

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
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TESA2411000725E5	01	Modify FCC ID	Dec. 31, 2024	Kimmy Chiou	*
TESA2411000725E5	02	Modify gain	Jan. 07, 2025	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

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1.2 Description of EUT

EUT Description	Wireless module installed in Notebook Computer	
Brand Name	<i>acer</i>	
Model No.	BE200D2W	
FCC ID	HLZBE200D2	
Host Model Number:	N25Q10	
Duty Cycle	WLAN802.11	Please refer to section 7
	Bluetooth	Please refer to section 7
Supported radios (TX Frequency Range, MHz)	802.11 b/g/n/ax/be	2.4GHz (2400.0 – 2483.5 MHz)
	802.11a/n/ac/ax/be	5.2GHz (5150.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz) 5.9GHz (5850.0 – 5895.0 MHz)
	802.11ax/be	6.2GHz (5925.0 – 6425.0 MHz) 6.5GHz (6425.0 – 6525.0 MHz) 6.7GHz (6525.0 – 6875.0 MHz) 7.0GHz (6875.0 – 7125.0 MHz)
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)

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)	0.2	N/A	N/A
2.4G WLAN	1.03	N/A	N/A
5G WLAN	1.09	N/A	N/A
6G WLAN	1	5.17	9.90

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1.4 Antenna Information

Notebook mode

Antenna	Main									
Part Number	02036675-08193									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	2.56	2.35	2.63	2.72	1.93	1.89	2.70	2.08	2.76	2.75
Antenna	Aux									
Part Number	02036675-08194									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	2.65	2.27	2.19	2.24	2.17	1.96	2.49	2.53	2.97	2.77

Tablet mode

Antenna	Main									
Part Number	02036675-08193									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	1.96	2.75	2.42	2.34	2.93	2.69	2.74	1.79	1.76	2.30
Antenna	Aux									
Part Number	02036675-08194									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	1.50	1.30	1.46	-0.12	0.41	0.37	2.12	1.23	1.06	0.44

Note: Antenna information is provided by the applicant.

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2 MEASUREMENT SYSTEM

2.1 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road, NeiHu District, Taipei City, 11493, Taiwan.	SAR 2	TW0029	TW3702
		SAR 6		
		SAR 8		
	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.

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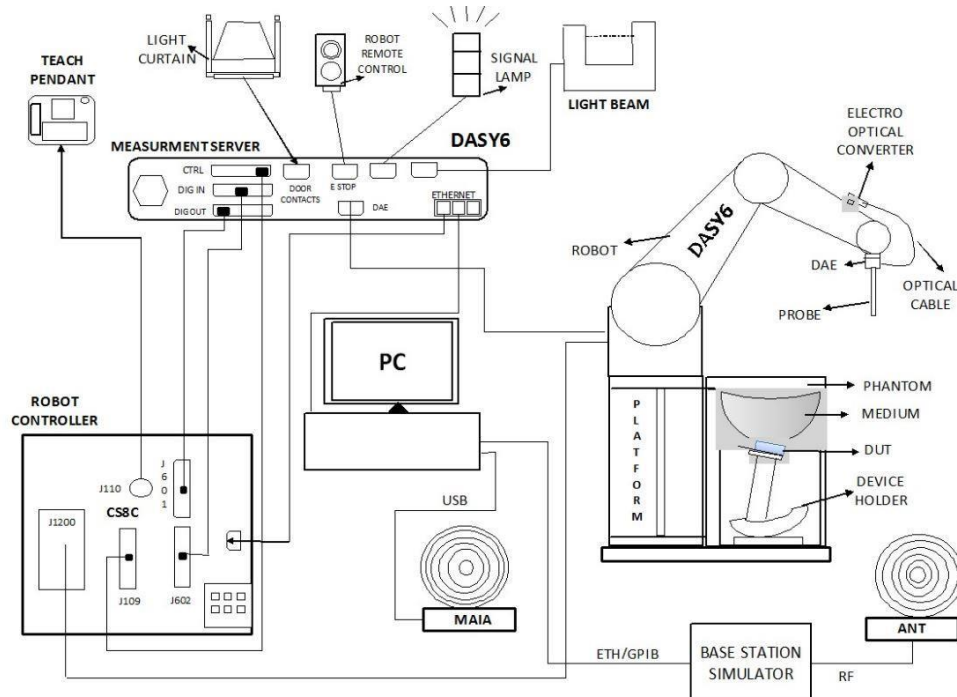
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2.2 SAR System

Block Diagram (DASY6)

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



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Windows 10 and the DASY6 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

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EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)		
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 2450/5250/5600/5750/5850/6500/7000 MHz Additional CF for other liquids and frequencies upon request		
Frequency	10 MHz to > 6 GHz		
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)		
Dynamic Range	10 μW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μW/g)		
Dimensions	Tip diameter: 2.5 mm		
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.		

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PHANTOM (ELI)

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

DEVICE HOLDER

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

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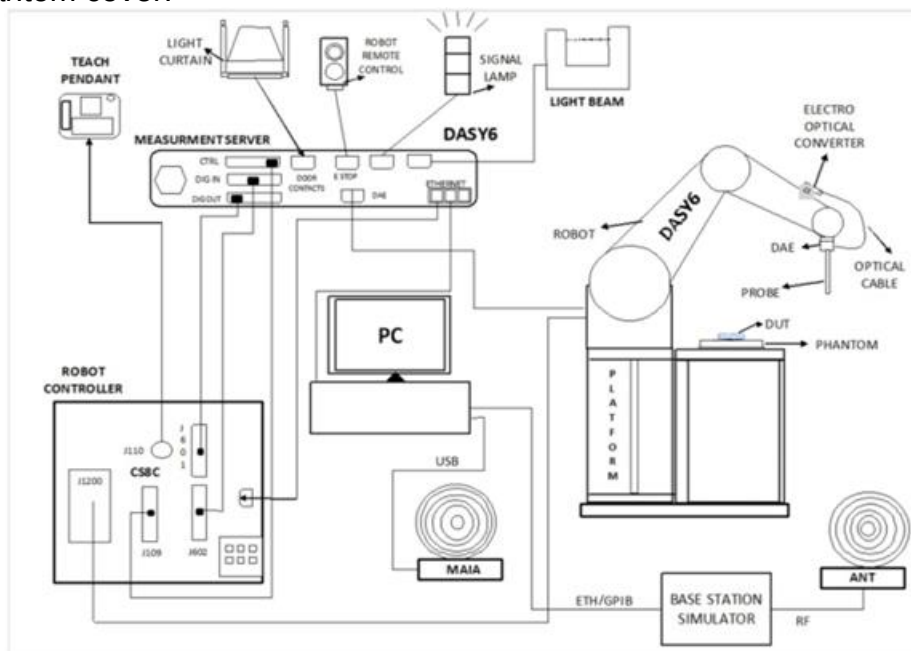
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2.3 PD system

Block Diagram (DASY6)

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



EUmmWVx probe

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

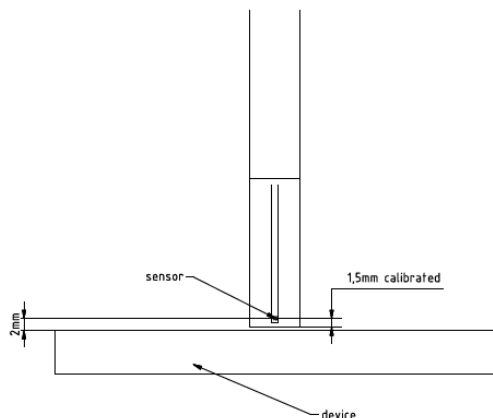
	Two dipoles optimally arranged to obtain pseudo-vector information. Minimum 3 measurements/ point, 120° rotated around probe axis. Sensors (0.8mm length) printed on glass substrate protected by high density foam. Low perturbation of the measured field. Requires positioner which can do accurate probe rotation.
Frequency Range	750 MHz – 110 GHz

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Dynamic Range	< 20 V/m – 10,000 V/m with PRE-10 (min < 50 V/m - 3000 V/m)
Position Precision	< 0.2 mm (DASY6)
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: encapsulation 8 mm (internal sensor < 1mm) Distance from probe tip to dipole centers: < 2 mm. Sensor displacement to probe's calibration point: < 0.3 mm
Applications	E-field measurements of 5G devices and other mm-wave transmitters operating above 10GHz in < 2 mm distance from device (free-space).Power density, H-field and far-field analysis using total field reconstruction (cDASY6 5G module required)
Compatibility	cDASY6 + 5G-Module SW1.0 and higher



mmWave Phantom

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

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3 SAR SYSTEM VERIFICATION

3.1 Tissue Simulating Liquid

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

3.2 Tissue Simulant Liquid measurement

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

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

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3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, ϵ_r	Target Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ_r	Measured Conductivity, σ (S/m)	% dev ϵ_r	% dev σ	Limit	Measurement Date
2402	39.296	1.758	39.535	1.809	0.61%	2.88%	± 5%	Nov. 30, 2024
2412	39.276	1.767	39.518	1.818	0.62%	2.88%	± 5%	
2417	39.266	1.771	39.509	1.822	0.62%	2.86%	± 5%	
2437	39.226	1.789	39.473	1.840	0.63%	2.87%	± 5%	
2441	39.218	1.792	39.466	1.843	0.63%	2.83%	± 5%	
2450	39.200	1.800	39.450	1.851	0.64%	2.83%	± 5%	
2457	39.191	1.807	39.441	1.857	0.64%	2.74%	± 5%	
2462	39.184	1.813	39.435	1.862	0.64%	2.71%	± 5%	
2480	39.160	1.832	39.412	1.878	0.64%	2.51%	± 5%	Dec. 01, 2024
5180	36.020	4.639	36.259	4.694	0.66%	1.19%	± 5%	
5190	36.010	4.650	36.247	4.705	0.66%	1.19%	± 5%	
5200	36.000	4.660	36.236	4.715	0.66%	1.18%	± 5%	
5220	35.980	4.680	36.213	4.736	0.65%	1.20%	± 5%	
5230	35.970	4.690	36.201	4.746	0.64%	1.19%	± 5%	
5240	35.960	4.700	36.190	4.757	0.64%	1.21%	± 5%	
5250	35.950	4.710	36.179	4.767	0.64%	1.21%	± 5%	
5270	35.930	4.730	36.156	4.788	0.63%	1.23%	± 5%	
5290	35.910	4.750	36.133	4.808	0.62%	1.22%	± 5%	
5310	35.890	4.770	36.110	4.829	0.61%	1.24%	± 5%	
5510	35.635	4.976	35.881	5.038	0.69%	1.26%	± 5%	
5530	35.605	4.997	35.859	5.058	0.71%	1.23%	± 5%	
5550	35.575	5.018	35.836	5.079	0.73%	1.23%	± 5%	
5570	35.545	5.039	35.813	5.100	0.75%	1.22%	± 5%	
5590	35.515	5.060	35.790	5.120	0.77%	1.20%	± 5%	Dec. 02, 2024
5600	35.500	5.070	35.779	5.131	0.79%	1.20%	± 5%	
5610	35.490	5.080	35.767	5.141	0.78%	1.20%	± 5%	
5670	35.430	5.140	35.699	5.203	0.76%	1.23%	± 5%	
5690	35.410	5.160	35.676	5.223	0.75%	1.22%	± 5%	
5710	35.390	5.180	35.653	5.244	0.74%	1.24%	± 5%	
5750	35.350	5.220	35.607	5.286	0.73%	1.26%	± 5%	
5755	35.345	5.225	35.601	5.291	0.72%	1.26%	± 5%	
5775	35.325	5.245	35.579	5.312	0.72%	1.28%	± 5%	
5795	35.305	5.265	35.556	5.332	0.71%	1.27%	± 5%	
5815	35.285	5.286	35.533	5.353	0.70%	1.27%	± 5%	Dec. 03, 2024
5850	35.250	5.323	35.493	5.390	0.69%	1.27%	± 5%	
5855	35.245	5.328	35.487	5.395	0.69%	1.26%	± 5%	
5965	35.135	5.443	35.361	5.510	0.64%	1.23%	± 5%	
6025	35.070	5.510	35.291	5.572	0.63%	1.13%	± 5%	
6105	34.974	5.604	35.195	5.656	0.63%	0.93%	± 5%	
6165	34.902	5.675	35.123	5.719	0.63%	0.78%	± 5%	
6185	34.878	5.698	35.099	5.741	0.63%	0.75%	± 5%	
6265	34.782	5.793	35.003	5.825	0.64%	0.56%	± 5%	
6345	34.686	5.887	34.907	5.910	0.64%	0.39%	± 5%	
6405	34.614	5.958	34.835	5.974	0.64%	0.27%	± 5%	Dec. 04, 2024
6425	34.590	5.982	34.811	5.995	0.64%	0.23%	± 5%	
6445	34.566	6.005	34.787	6.016	0.64%	0.18%	± 5%	
6465	34.542	6.029	34.763	6.038	0.64%	0.15%	± 5%	
6485	34.518	6.052	34.739	6.059	0.64%	0.11%	± 5%	
6500	34.500	6.070	34.721	6.075	0.64%	0.08%	± 5%	
6525	34.470	6.099	34.691	6.102	0.64%	0.05%	± 5%	
6545	34.446	6.122	34.667	6.123	0.64%	0.01%	± 5%	
6585	34.398	6.169	34.619	6.166	0.64%	-0.04%	± 5%	
6625	34.350	6.215	34.571	6.209	0.64%	-0.10%	± 5%	
6685	34.278	6.285	34.499	6.273	0.64%	-0.18%	± 5%	
6705	34.254	6.308	34.475	6.295	0.65%	-0.20%	± 5%	
6745	34.206	6.354	34.427	6.338	0.65%	-0.25%	± 5%	
6785	34.158	6.401	34.379	6.381	0.65%	-0.31%	± 5%	
6845	34.086	6.470	34.307	6.446	0.65%	-0.37%	± 5%	
6905	34.014	6.540	34.235	6.511	0.65%	-0.44%	± 5%	
7000	33.900	6.650	34.121	6.614	0.65%	-0.54%	± 5%	

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3.4 The composition of the tissue simulating liquid:

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

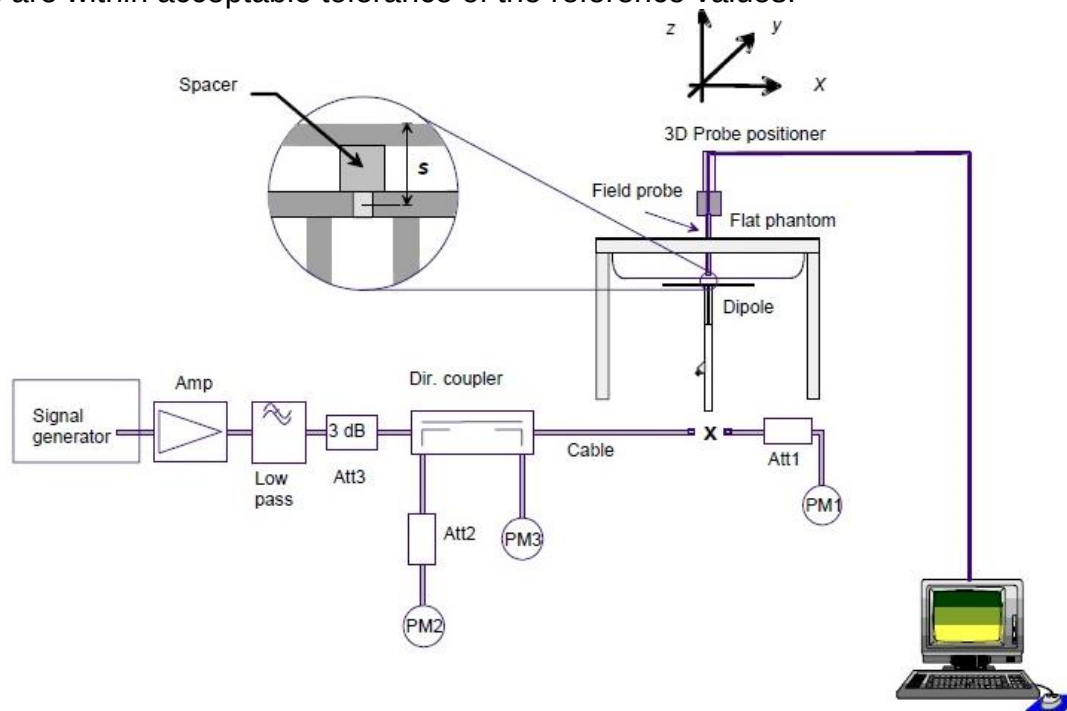
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

3.5 System check

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

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

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



The block diagram of system check

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3.6 System check results

Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D2450V2	728	2450	52.7	12.7	50.8	-3.61	± 10%	Nov.30,2024
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	7.84	78.4	-0.51	± 10%	Dec.01,2024
D5GHzV2	1023	5600	81.3	8.25	82.5	1.48	± 10%	Dec.01,2024
D5GHzV2	1023	5750	78	8.16	81.6	4.62	± 10%	Dec.02,2024
D5GHzV2	1023	5850	78.6	8.09	80.9	2.93	± 10%	Dec.02,2024
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D6.5GHzV2	1006	6500	297	28.4	284	-4.38	± 10%	Dec.03,2024
D7GHzV2	1007	7000	286	27.2	272	-4.90	± 10%	Dec.04,2024

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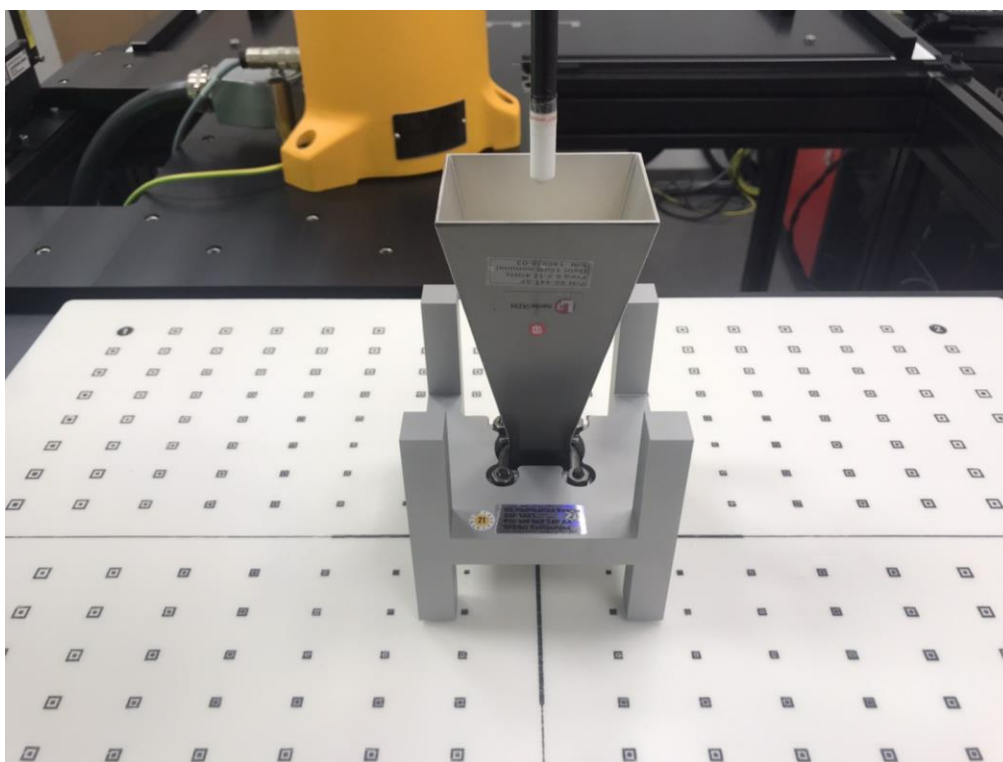
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4 PD SYSTEM VERIFICATION

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

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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 (MHz)	PD Verification Source (MHz)	Probe S/N	DAE S/N	Distance (mm)	Prad (mW)	Measured 4cm^2 (W/m^2)	Target 4cm^2 (W/m^2)	Deviation (dB)	Date
10000	10000	9635	1260	10	93.3	55.9	56.2	-0.02	Dec.05,2024

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5 TEST CONFIGURATIONS

5.1 Test Environment

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

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

5.2 Test Note

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

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

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

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

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

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

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

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5.3 Test position

Laptop mode SAR test position (0mm)

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

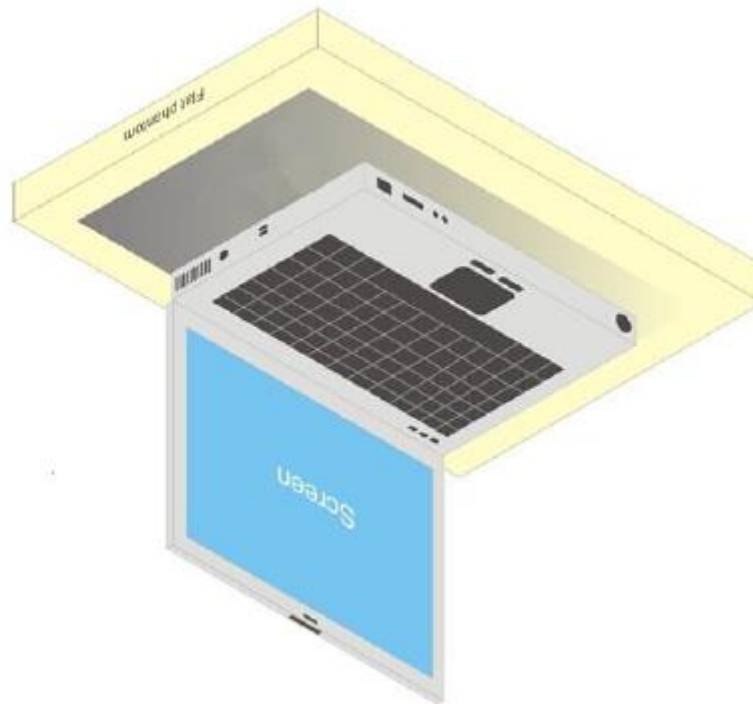


Illustration for Laptop Setup

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Tablet mode SAR test position (0mm)

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

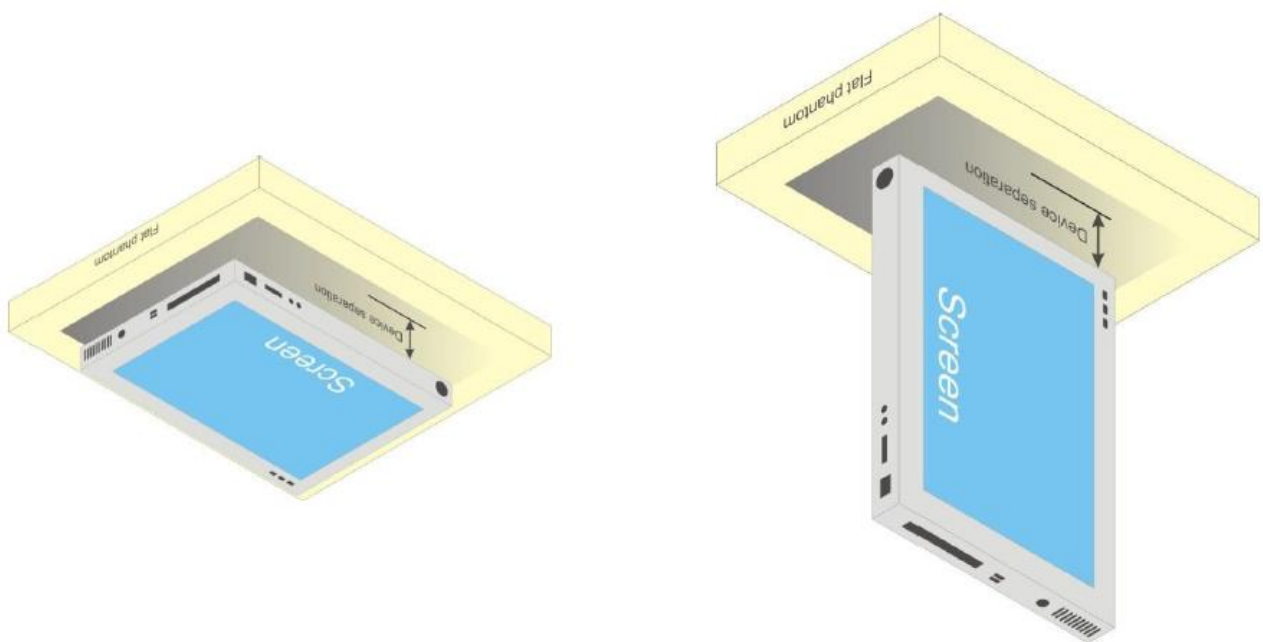


Illustration for Tablet Setup

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5.4 Power verification of device mode

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

Results and conclusion

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

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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

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

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

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

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

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

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

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

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6 MAXIMUM OUTPUT POWER

6.1 WLAN

Notebook mode

Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	20.00	19.97
		6	2437		23.00	21.06
		11	2462		23.00	21.26
	802.11g	1	2412	6Mbps	21.50	21.20
		6	2437		22.00	21.09
		11	2462		22.00	21.06
	802.11n20-HT0	1	2412	MCS0	21.50	21.15
		6	2437		22.00	21.12
		11	2462		22.00	21.17
	802.11ax20-HE0	1	2412	MCS0	21.50	21.07
		6	2437		22.00	21.07
		11	2462		22.00	21.18
	802.11be20-EHT0	1	2412	MCS0	21.50	21.07
		6	2437		22.00	21.02
		11	2462		22.00	21.15
	802.11n40-HT0	3	2422	MCS0	20.50	20.32
		6	2437		21.00	20.76
		9	2452		20.00	19.81
	802.11ax40-HE0	3	2422	MCS0	20.00	19.83
		6	2437		20.50	20.27
		9	2452		20.50	20.42
	802.11be40-EHT0	3	2422	MCS0	20.00	19.81
		6	2437		20.50	20.37
		9	2452		20.50	20.33

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	21.50	21.33
		40	5200		21.50	21.35
		44	5220		21.50	21.34
		48	5240		21.50	21.32
	802.11n20-HT0	36	5180	MCS0	21.75	21.73
		40	5200		21.75	21.72
		44	5220		21.75	21.69
		48	5240		21.75	21.74
	802.11ax20-HE0	36	5180	MCS0	21.75	21.63
		40	5200		21.75	21.65
		44	5220		21.75	21.66
		48	5240		21.75	21.60
	802.11be20-EHT0	36	5180	MCS0	21.75	21.57
		40	5200		21.75	21.56
		44	5220		21.75	21.52
		48	5240		21.75	21.68
	802.11n40-HT0	38	5190	MCS0	19.00	18.85
		46	5230		21.00	20.95
	802.11ax40-HE0	38	5190	MCS0	19.50	19.27
		46	5230		21.50	21.32
	802.11be40-EHT0	38	5190	MCS0	19.50	19.31
		46	5230		21.50	21.35
	802.11ac80-VHT0	42	5210	MCS0	20.00	19.90
	802.11ax80-HE0	42	5210	MCS0	19.75	19.64
	802.11be80-EHT0	42	5210	MCS0	19.75	19.58
	802.11ac160-VHT0	50	5250	MCS0	17.50	17.36
	802.11ax160-HE0	50	5250	MCS0	18.75	18.63
	802.11be160-EHT0	50	5250	MCS0	18.75	18.52

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	21.00	20.51
		56	5280		21.00	20.48
		60	5300		21.00	20.47
		64	5320		21.00	20.50
	802.11n20-HT0	52	5260	MCS0	21.00	20.51
		56	5280		21.00	20.43
		60	5300		21.00	20.53
		64	5320		21.00	20.61
	802.11ax20-HE0	52	5260	MCS0	21.00	20.51
		56	5280		21.00	20.59
		60	5300		21.00	20.54
		64	5320		21.00	20.44
	802.11be20-EHT0	52	5260	MCS0	21.00	20.47
		56	5280		21.00	20.59
		60	5300		21.00	20.56
		64	5320		21.00	20.61
	802.11n40-HT0	54	5270	MCS0	21.00	20.67
		62	5310		19.50	19.49
	802.11ax40-HE0	54	5270	MCS0	21.00	20.44
		62	5310		19.50	19.41
	802.11be40-EHT0	54	5270	MCS0	21.00	20.43
		62	5310		19.50	19.29
	802.11ac80-VHT0	58	5290	MCS0	19.00	18.83
	802.11ax80-HE0	58	5290	MCS0	19.00	18.78
	802.11be80-EHT0	58	5290	MCS0	19.00	18.88

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	20.50	20.30
		120	5600		20.50	20.29
		140	5700		20.50	20.39
	802.11n20-HT0	100	5500	MCS0	20.50	20.25
		120	5600		20.50	20.33
		140	5700		20.50	20.41
	802.11ax20-HE0	100	5500	MCS0	20.50	20.36
		120	5600		20.50	20.36
		140	5700		20.50	20.34
	802.11be20-EHT0	100	5500	MCS0	20.50	20.35
		120	5600		20.50	20.30
		140	5700		20.50	20.31
	802.11n40-HT0	102	5510	MCS0	20.50	20.43
		118	5590		20.50	20.26
		134	5670		20.50	20.41
		142	5710		20.50	20.44
	802.11ax40-HE0	102	5510	MCS0	20.50	20.27
		118	5590		20.50	20.37
		134	5670		20.50	20.44
		142	5710		20.50	20.31
	802.11be40-EHT0	102	5510	MCS0	20.50	20.36
		118	5590		20.50	20.26
		134	5670		20.50	20.29
		142	5710		20.50	20.32
	802.11ac80-VHT0	106	5530	MCS0	20.00	19.91
		122	5610		20.50	20.45
		138	5690		20.50	20.48
	802.11ax80-HE0	106	5530	MCS0	20.50	20.32
		122	5610		20.50	20.40
		138	5690		20.50	20.30
	802.11be80-EHT0	106	5530	MCS0	20.50	20.44
		122	5610		20.50	20.36
		138	5690		20.50	20.33
	802.11ac160-VHT0	114	5570	MCS0	18.00	17.91
	802.11ax160-HE0	114	5570	MCS0	19.75	19.61
	802.11be160-EHT0	114	5570	MCS0	19.75	19.50

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	20.50	20.25
		157	5785		20.50	20.43
		165	5825		20.50	20.41
	802.11n20-HT0	149	5745	MCS0	20.50	20.28
		157	5785		20.50	20.44
		165	5825		20.50	20.38
	802.11ax20-HE0	149	5745	MCS0	20.50	20.33
		157	5785		20.50	20.44
		165	5825		20.50	20.29
	802.11be20-EHT0	149	5745	MCS0	20.50	20.44
		157	5785		20.50	20.34
		165	5825		20.50	20.29
	802.11n40-HT0	151	5755	MCS0	20.50	20.32
		159	5795		20.50	20.34
	802.11ax40-HE0	151	5755	MCS0	20.50	20.34
		159	5795		20.50	20.36
	802.11be40-EHT0	151	5755	MCS0	20.50	20.27
		159	5795		20.50	20.26
	802.11ac80-VHT0	155	5775	MCS0	20.50	20.48
	802.11ax80-HE0	155	5775	MCS0	20.50	20.32
	802.11be80-EHT0	155	5775	MCS0	20.50	20.43

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.9GHz	802.11a	169	5845	6Mbps	19.50	19.44
		173	5865		19.50	19.33
		177	5885		19.50	19.42
	802.11n20-HT0	169	5845	MCS0	19.50	19.30
		173	5865		19.75	19.54
		177	5885		19.75	19.54
	802.11ac20-VHT0	169	5845	MCS0	20.00	19.89
		173	5865		20.00	19.77
		177	5885		17.75	17.61
	802.11ax20-HE0	169	5845	MCS0	20.00	19.91
		173	5865		20.00	19.79
		177	5885		17.75	17.63
	802.11n40-HT0	167	5835	MCS0	20.50	20.32
		175	5875		20.50	20.36
	802.11ax40-HE0	167	5835	MCS0	20.50	20.41
		175	5875		20.50	20.40
	802.11be40-EHT0	167	5835	MCS0	20.50	20.42
		175	5875		20.50	20.44
	802.11ac80-VHT0	171	5855	MCS0	20.50	20.48
	802.11ax80-HE0	171	5855	MCS0	20.50	20.28
	802.11be80-EHT0	171	5855	MCS0	20.50	20.42
	802.11ac160-VHT0	163	5815	MCS0	19.75	19.58
	802.11ax160-HE0	163	5815	MCS0	19.00	18.92
	802.11be160-EHT0	163	5815	MCS0	19.00	18.93

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	20.00	19.75
		6	2437		22.50	20.57
		11	2462		22.00	20.24
	802.11g	1	2412	6Mbps	20.00	19.77
		6	2437		21.50	20.41
		11	2462		20.50	20.38
	802.11n20-HT0	1	2412	MCS0	20.00	19.79
		6	2437		21.00	20.15
		11	2462		20.00	19.94
	802.11ax20-HE0	1	2412	MCS0	20.50	20.19
		6	2437		20.75	20.33
		11	2462		20.00	19.88
	802.11be20-EHT0	1	2412	MCS0	20.50	20.24
		6	2437		20.75	20.21
		11	2462		20.00	19.94
	802.11n40-HT0	3	2422	MCS0	19.00	18.85
		6	2437		19.50	19.38
		9	2452		19.50	19.36
	802.11ax40-HE0	3	2422	MCS0	19.50	19.29
		6	2437		19.50	19.35
		9	2452		19.50	19.39
	802.11be40-EHT0	3	2422	MCS0	19.50	19.42
		6	2437		19.50	19.43
		9	2452		19.50	19.35

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5.15-5.25 GHz	802.11a	36	5180	6Mbps	21.50	20.90
		40	5200		21.50	21.00
		44	5220		21.50	20.94
		48	5240		21.50	20.96
	802.11n20-HT0	36	5180	MCS0	21.75	20.98
		40	5200		21.75	20.98
		44	5220		21.75	20.97
		48	5240		21.75	20.93
	802.11ax20-HE0	36	5180	MCS0	21.75	20.91
		40	5200		21.75	20.92
		44	5220		21.75	21.02
		48	5240		21.75	20.99
	802.11be20-EHT0	36	5180	MCS0	21.75	21.00
		40	5200		21.75	20.96
		44	5220		21.75	21.03
		48	5240		21.75	21.04
	802.11n40-HT0	38	5190	MCS0	21.00	20.18
		46	5230		21.75	21.14
	802.11ax40-HE0	38	5190	MCS0	20.50	20.31
		46	5230		21.50	21.06
	802.11be40-EHT0	38	5190	MCS0	20.50	20.37
		46	5230		21.50	20.95
	802.11ac80-VHT0	42	5210	MCS0	21.00	20.93
	802.11ax80-HE0	42	5210	MCS0	20.75	20.65
	802.11be80-EHT0	42	5210	MCS0	20.75	20.64
	802.11ac160-VHT0	50	5250	MCS0	19.50	19.30
	802.11ax160-HE0	50	5250	MCS0	18.25	18.02
	802.11be160-EHT0	50	5250	MCS0	18.25	18.14

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5.25-5.35 GHz	802.11a	52	5260	6Mbps	21.50	21.39
		56	5280		21.50	21.26
		60	5300		21.50	21.34
		64	5320		21.50	21.36
	802.11n20-HT0	52	5260	MCS0	21.50	21.36
		56	5280		21.50	21.39
		60	5300		21.50	21.41
		64	5320		21.50	21.34
	802.11ax20-HE0	52	5260	MCS0	21.50	21.38
		56	5280		21.75	21.39
		60	5300		21.75	21.42
		64	5320		22.00	21.42
	802.11be20-EHT0	52	5260	MCS0	21.50	21.32
		56	5280		21.75	21.49
		60	5300		21.75	21.38
		64	5320		22.00	21.36
	802.11n40-HT0	54	5270	MCS0	22.50	21.57
		62	5310		20.25	20.24
	802.11ax40-HE0	54	5270	MCS0	22.25	21.47
		62	5310		20.25	20.07
	802.11be40-EHT0	54	5270	MCS0	22.25	21.46
		62	5310		20.25	20.11
	802.11ac80-VHT0	58	5290	MCS0	19.50	19.42
	802.11ax80-HE0	58	5290	MCS0	20.00	19.79
	802.11be80-EHT0	58	5290	MCS0	20.00	19.93

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5.6GHz	802.11a	100	5500	6Mbps	20.00	19.82
		120	5600		20.00	19.82
		140	5700		20.00	19.90
	802.11n20-HT0	100	5500	MCS0	20.00	19.89
		120	5600		20.00	19.79
		140	5700		20.00	19.84
	802.11ax20-HE0	100	5500	MCS0	20.00	19.90
		120	5600		20.00	19.88
		140	5700		20.00	19.85
	802.11be20-EHT0	100	5500	MCS0	20.00	19.91
		120	5600		20.00	19.83
		140	5700		20.00	19.89
	802.11n40-HT0	102	5510	MCS0	20.00	19.87
		118	5590		20.00	19.84
		134	5670		20.00	19.80
		142	5710		20.00	19.86
	802.11ax40-HE0	102	5510	MCS0	20.00	19.81
		118	5590		20.00	19.91
		134	5670		20.00	19.80
		142	5710		20.00	19.90
	802.11be40-EHT0	102	5510	MCS0	20.00	19.86
		118	5590		20.00	19.77
		134	5670		20.00	19.86
		142	5710		20.00	19.79
	802.11ac80-VHT0	106	5530	MCS0	20.00	19.97
		122	5610		20.00	19.92
		138	5690		20.00	19.98
	802.11ax80-HE0	106	5530	MCS0	20.00	19.85
		122	5610		20.00	19.85
		138	5690		20.00	19.81
	802.11be80-EHT0	106	5530	MCS0	20.00	19.91
		122	5610		20.00	19.90
		138	5690		20.00	19.79
	802.11ac160-VHT0	114	5570	MCS0	19.00	18.83
	802.11ax160-HE0	114	5570	MCS0	19.00	18.85
	802.11be160-EHT0	114	5570	MCS0	19.00	18.78

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	22.00	21.83
		157	5785		22.00	21.80
		165	5825		22.00	21.78
	802.11n20-HT0	149	5745	MCS0	22.00	21.85
		157	5785		22.00	21.88
		165	5825		22.00	21.84
	802.11ax20-HE0	149	5745	MCS0	22.00	21.86
		157	5785		22.00	21.87
		165	5825		22.00	21.76
	802.11be20-EHT0	149	5745	MCS0	22.00	21.90
		157	5785		22.00	21.80
		165	5825		22.00	21.87
	802.11n40-HT0	151	5755	MCS0	22.00	21.98
		159	5795		22.00	21.95
	802.11ax40-HE0	151	5755	MCS0	22.00	21.90
		159	5795		22.00	21.80
	802.11be40-EHT0	151	5755	MCS0	22.00	21.91
		159	5795		22.00	21.85
	802.11ac80-VHT0	155	5775	MCS0	21.25	21.08
	802.11ax80-HE0	155	5775	MCS0	21.75	21.54
	802.11be80-EHT0	155	5775	MCS0	21.75	21.58

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.9GHz	802.11a	169	5845	6Mbps	19.75	19.60
		173	5865		19.50	19.30
		177	5885		19.50	19.45
	802.11n20-HT0	169	5845	MCS0	20.00	19.86
		173	5865		19.75	19.57
		177	5885		19.75	19.51
	802.11ac20-VHT0	169	5845	MCS0	20.00	19.79
		173	5865		20.00	19.94
		177	5885		17.50	17.39
	802.11ax20-HE0	169	5845	MCS0	20.00	19.83
		173	5865		20.00	19.83
		177	5885		17.50	17.34
	802.11n40-HT0	167	5835	MCS0	22.00	21.93
		175	5875		22.00	21.76
	802.11ax40-HE0	167	5835	MCS0	22.00	21.94
		175	5875		22.00	21.79
	802.11be40-EHT0	167	5835	MCS0	22.00	21.87
		175	5875		22.00	21.83
	802.11ac80-VHT0	171	5855	MCS0	22.00	21.99
	802.11ax80-HE0	171	5855	MCS0	22.00	21.87
	802.11be80-EHT0	171	5855	MCS0	22.00	21.86
	802.11ac160-VHT0	163	5815	MCS0	19.75	19.70
	802.11ax160-HE0	163	5815	MCS0	19.00	18.93
	802.11be160-EHT0	163	5815	MCS0	19.00	18.78

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Tablet mode

Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	17.00	16.88
		6	2437		17.00	16.95
		11	2462		17.00	16.94
	802.11g	1	2412	6Mbps	17.00	16.95
		6	2437		17.00	16.82
		11	2462		17.00	16.88
	802.11n20-HT0	1	2412	MCS0	17.00	16.82
		6	2437		17.00	16.76
		11	2462		17.00	16.86
	802.11ax20-HE0	1	2412	MCS0	17.00	16.87
		6	2437		17.00	16.79
		11	2462		17.00	16.87
	802.11be20-EHT0	1	2412	MCS0	17.00	16.92
		6	2437		17.00	16.86
		11	2462		17.00	16.78
	802.11n40-HT0	3	2422	MCS0	17.00	16.77
		6	2437		17.00	16.95
		9	2452		17.00	16.81
	802.11ax40-HE0	3	2422	MCS0	17.00	16.87
		6	2437		17.00	16.83
		9	2452		17.00	16.88
	802.11be40-EHT0	3	2422	MCS0	17.00	16.89
		6	2437		17.00	16.79
		9	2452		17.00	16.89

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	12.50	12.35
		40	5200		12.50	12.25
		44	5220		12.50	12.41
		48	5240		12.50	12.43
	802.11n20-HT0	36	5180	MCS0	12.50	12.26
		40	5200		12.50	12.29
		44	5220		12.50	12.38
		48	5240		12.50	12.33
	802.11ax20-HE0	36	5180	MCS0	12.50	12.26
		40	5200		12.50	12.39
		44	5220		12.50	12.25
		48	5240		12.50	12.30
	802.11be20-EHT0	36	5180	MCS0	12.50	12.32
		40	5200		12.50	12.30
		44	5220		12.50	12.28
		48	5240		12.50	12.32
	802.11n40-HT0	38	5190	MCS0	12.50	12.26
		46	5230		12.50	12.27
	802.11ax40-HE0	38	5190	MCS0	12.50	12.28
		46	5230		12.50	12.30
	802.11be40-EHT0	38	5190	MCS0	12.50	12.30
		46	5230		12.50	12.43
	802.11ac80-VHT0	42	5210	MCS0	12.50	12.31
	802.11ax80-HE0	42	5210	MCS0	12.50	12.39
	802.11be80-EHT0	42	5210	MCS0	12.50	12.34
	802.11ac160-VHT0	50	5250	MCS0	12.50	12.44
	802.11ax160-HE0	50	5250	MCS0	12.50	12.30
	802.11be160-EHT0	50	5250	MCS0	12.50	12.33

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	12.50	12.37
		56	5280		12.50	12.25
		60	5300		12.50	12.36
		64	5320		12.50	12.38
	802.11n20-HT0	52	5260	MCS0	12.50	12.31
		56	5280		12.50	12.28
		60	5300		12.50	12.42
		64	5320		12.50	12.40
	802.11ax20-HE0	52	5260	MCS0	12.50	12.32
		56	5280		12.50	12.42
		60	5300		12.50	12.34
		64	5320		12.50	12.39
	802.11be20-EHT0	52	5260	MCS0	12.50	12.34
		56	5280		12.50	12.40
		60	5300		12.50	12.38
		64	5320		12.50	12.28
	802.11n40-HT0	54	5270	MCS0	12.50	12.28
		62	5310		12.50	12.41
	802.11ax40-HE0	54	5270	MCS0	12.50	12.32
		62	5310		12.50	12.39
	802.11be40-EHT0	54	5270	MCS0	12.50	12.39
		62	5310		12.50	12.40
	802.11ac80-VHT0	58	5290	MCS0	12.50	12.44
	802.11ax80-HE0	58	5290	MCS0	12.50	12.41
	802.11be80-EHT0	58	5290	MCS0	12.50	12.38

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	12.50	12.25
		120	5600		12.50	12.38
		140	5700		12.50	12.37
	802.11n20-HT0	100	5500	MCS0	12.50	12.29
		120	5600		12.50	12.21
		140	5700		12.50	12.28
	802.11ax20-HE0	100	5500	MCS0	12.50	12.25
		120	5600		12.50	12.40
		140	5700		12.50	12.37
	802.11be20-EHT0	100	5500	MCS0	12.50	12.30
		120	5600		12.50	12.23
		140	5700		12.50	12.22
	802.11n40-HT0	102	5510	MCS0	12.50	12.28
		118	5590		12.50	12.32
		134	5670		12.50	12.36
		142	5710		12.50	12.39
	802.11ax40-HE0	102	5510	MCS0	12.50	12.27
		118	5590		12.50	12.24
		134	5670		12.50	12.27
		142	5710		12.50	12.33
	802.11be40-EHT0	102	5510	MCS0	12.50	12.30
		118	5590		12.50	12.38
		134	5670		12.50	12.25
		142	5710		12.50	12.34
	802.11ac80-VHT0	106	5530	MCS0	12.50	12.42
		122	5610		12.50	12.45
		138	5690		12.50	12.48
	802.11ax80-HE0	106	5530	MCS0	12.50	12.33
		122	5610		12.50	12.41
		138	5690		12.50	12.39
	802.11be80-EHT0	106	5530	MCS0	12.50	12.32
		122	5610		12.50	12.43
		138	5690		12.50	12.32
	802.11ac160-VHT0	114	5570	MCS0	12.50	12.49
	802.11ax160-HE0	114	5570	MCS0	12.50	12.30
	802.11be160-EHT0	114	5570	MCS0	12.50	12.41

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5.8GHz	802.11a	149	5745	6Mbps	13.50	13.28
		157	5785		13.50	13.44
		165	5825		13.50	13.43
	802.11n20-HT0	149	5745	MCS0	13.50	13.31
		157	5785		13.50	13.42
		165	5825		13.50	13.28
	802.11ax20-HE0	149	5745	MCS0	13.50	13.31
		157	5785		13.50	13.44
		165	5825		13.50	13.29
	802.11be20-EHT0	149	5745	MCS0	13.50	13.35
		157	5785		13.50	13.28
		165	5825		13.50	13.33
	802.11n40-HT0	151	5755	MCS0	13.50	13.31
		159	5795		13.50	13.43
	802.11ax40-HE0	151	5755	MCS0	13.50	13.35
		159	5795		13.50	13.31
	802.11be40-EHT0	151	5755	MCS0	13.50	13.38
		159	5795		13.50	13.40
	802.11ac80-VHT0	155	5775	MCS0	13.50	13.49
	802.11ax80-HE0	155	5775	MCS0	13.50	13.37
	802.11be80-EHT0	155	5775	MCS0	13.50	13.35

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.9GHz	802.11a	169	5845	6Mbps	13.50	13.30
		173	5865		13.50	13.39
		177	5885		13.50	13.30
	802.11n20-HT0	169	5845	MCS0	13.50	13.36
		173	5865		13.50	13.43
		177	5885		13.50	13.30
	802.11ac20-VHT0	169	5845	MCS0	13.50	13.36
		173	5865		13.50	13.38
		177	5885		13.50	13.29
	802.11ax20-HE0	169	5845	MCS0	13.50	13.40
		173	5865		13.50	13.38
		177	5885		13.50	13.32
	802.11n40-HT0	167	5835	MCS0	13.50	13.34
		175	5875		13.50	13.41
	802.11ax40-HE0	167	5835	MCS0	13.50	13.37
		175	5875		13.50	13.40
	802.11be40-EHT0	167	5835	MCS0	13.50	13.42
		175	5875		13.50	13.25
	802.11ac80-VHT0	171	5855	MCS0	13.50	13.31
	802.11ax80-HE0	171	5855	MCS0	13.50	13.32
	802.11be80-EHT0	171	5855	MCS0	13.50	13.44
	802.11ac160-VHT0	163	5815	MCS0	13.50	13.49
	802.11ax160-HE0	163	5815	MCS0	13.50	13.42
	802.11be160-EHT0	163	5815	MCS0	13.50	13.32

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	20.00	19.75
		6	2437		21.00	19.78
		11	2462		21.00	19.74
	802.11g	1	2412	6Mbps	20.00	19.54
		6	2437		21.00	19.62
		11	2462		20.50	19.53
	802.11n20-HT0	1	2412	MCS0	20.00	19.60
		6	2437		21.00	19.66
		11	2462		20.00	19.63
	802.11ax20-HE0	1	2412	MCS0	20.50	19.56
		6	2437		20.75	19.60
		11	2462		20.00	19.67
	802.11be20-EHT0	1	2412	MCS0	20.50	19.51
		6	2437		20.75	19.54
		11	2462		20.00	19.57
	802.11n40-HT0	3	2422	MCS0	19.00	18.80
		6	2437		19.50	19.39
		9	2452		19.50	19.35
	802.11ax40-HE0	3	2422	MCS0	19.50	19.45
		6	2437		19.50	19.43
		9	2452		19.50	19.37
	802.11be40-EHT0	3	2422	MCS0	19.50	19.37
		6	2437		19.50	19.27
		9	2452		19.50	19.39

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	9.00	8.88
		40	5200		9.00	8.88
		44	5220		9.00	8.86
		48	5240		9.00	8.92
	802.11n20-HT0	36	5180	MCS0	9.00	8.90
		40	5200		9.00	8.93
		44	5220		9.00	8.88
		48	5240		9.00	8.91
	802.11ax20-HE0	36	5180	MCS0	9.00	8.84
		40	5200		9.00	8.75
		44	5220		9.00	8.88
		48	5240		9.00	8.91
	802.11be20-EHT0	36	5180	MCS0	9.00	8.90
		40	5200		9.00	8.91
		44	5220		9.00	8.94
		48	5240		9.00	8.86
	802.11n40-HT0	38	5190	MCS0	9.00	8.84
		46	5230		9.00	8.86
	802.11ax40-HE0	38	5190	MCS0	9.00	8.84
		46	5230		9.00	8.83
	802.11be40-EHT0	38	5190	MCS0	9.00	8.84
		46	5230		9.00	8.77
	802.11ac80-VHT0	42	5210	MCS0	9.00	8.84
	802.11ax80-HE0	42	5210	MCS0	9.00	8.93
	802.11be80-EHT0	42	5210	MCS0	9.00	8.83
	802.11ac160-VHT0	50	5250	MCS0	9.00	8.95
	802.11ax160-HE0	50	5250	MCS0	9.00	8.91
	802.11be160-EHT0	50	5250	MCS0	9.00	8.80

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5.25-5.35 GHz	802.11a	52	5260	6Mbps	9.00	8.80
		56	5280		9.00	8.82
		60	5300		9.00	8.79
		64	5320		9.00	8.87
	802.11n20-HT0	52	5260	MCS0	9.00	8.81
		56	5280		9.00	8.90
		60	5300		9.00	8.86
		64	5320		9.00	8.79
	802.11ax20-HE0	52	5260	MCS0	9.00	8.94
		56	5280		9.00	8.75
		60	5300		9.00	8.80
		64	5320		9.00	8.83
	802.11be20-EHT0	52	5260	MCS0	9.00	8.83
		56	5280		9.00	8.78
		60	5300		9.00	8.82
		64	5320		9.00	8.86
	802.11n40-HT0	54	5270	MCS0	9.00	8.94
		62	5310		9.00	8.92
	802.11ax40-HE0	54	5270	MCS0	9.00	8.83
		62	5310		9.00	8.95
	802.11be40-EHT0	54	5270	MCS0	9.00	8.92
		62	5310		9.00	8.95
	802.11ac80-VHT0	58	5290	MCS0	9.00	8.98
	802.11ax80-HE0	58	5290	MCS0	9.00	8.85
	802.11be80-EHT0	58	5290	MCS0	9.00	8.81

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	13.00	12.92
		120	5600		13.00	12.87
		140	5700		13.00	12.85
	802.11n20-HT0	100	5500	MCS0	13.00	12.90
		120	5600		13.00	12.92
		140	5700		13.00	12.85
	802.11ax20-HE0	100	5500	MCS0	13.00	12.87
		120	5600		13.00	12.89
		140	5700		13.00	12.91
	802.11be20-EHT0	100	5500	MCS0	13.00	12.87
		120	5600		13.00	12.81
		140	5700		13.00	12.78
	802.11n40-HT0	102	5510	MCS0	13.00	12.89
		118	5590		13.00	12.76
		134	5670		13.00	12.77
		142	5710		13.00	12.88
	802.11ax40-HE0	102	5510	MCS0	13.00	12.86
		118	5590		13.00	12.83
		134	5670		13.00	12.82
		142	5710		13.00	12.78
	802.11be40-EHT0	102	5510	MCS0	13.00	12.81
		118	5590		13.00	12.89
		134	5670		13.00	12.93
		142	5710		13.00	12.90
	802.11ac80-VHT0	106	5530	MCS0	13.00	12.97
		122	5610		13.00	12.94
		138	5690		13.00	12.98
	802.11ax80-HE0	106	5530	MCS0	13.00	12.91
		122	5610		13.00	12.83
		138	5690		13.00	12.88
	802.11be80-EHT0	106	5530	MCS0	13.00	12.78
		122	5610		13.00	12.91
		138	5690		13.00	12.83
	802.11ac160-VHT0	114	5570	MCS0	13.00	12.96
	802.11ax160-HE0	114	5570	MCS0	13.00	12.84
	802.11be160-EHT0	114	5570	MCS0	13.00	12.83

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	14.50	14.31
		157	5785		14.50	14.26
		165	5825		14.50	14.38
	802.11n20-HT0	149	5745	MCS0	14.50	14.39
		157	5785		14.50	14.42
		165	5825		14.50	14.26
	802.11ax20-HE0	149	5745	MCS0	14.50	14.37
		157	5785		14.50	14.42
		165	5825		14.50	14.43
	802.11be20-EHT0	149	5745	MCS0	14.50	14.42
		157	5785		14.50	14.39
		165	5825		14.50	14.45
	802.11n40-HT0	151	5755	MCS0	14.50	14.25
		159	5795		14.50	14.33
	802.11ax40-HE0	151	5755	MCS0	14.50	14.30
		159	5795		14.50	14.42
	802.11be40-EHT0	151	5755	MCS0	14.50	14.32
		159	5795		14.50	14.26
	802.11ac80-VHT0	155	5775	MCS0	14.50	14.46
	802.11ax80-HE0	155	5775	MCS0	14.50	14.26
	802.11be80-EHT0	155	5775	MCS0	14.50	14.36

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Aux						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.9GHz	802.11a	169	5845	6Mbps	14.50	14.37
		173	5865		14.50	14.36
		177	5885		14.50	14.39
	802.11n20-HT0	169	5845	MCS0	14.50	14.43
		173	5865		14.50	14.37
		177	5885		14.50	14.34
	802.11ac20-VHT0	169	5845	MCS0	14.50	14.39
		173	5865		14.50	14.42
		177	5885		14.50	14.40
	802.11ax20-HE0	169	5845	MCS0	14.50	14.42
		173	5865		14.50	14.27
		177	5885		14.50	14.26
	802.11n40-HT0	167	5835	MCS0	14.50	14.34
		175	5875		14.50	14.34
	802.11ax40-HE0	167	5835	MCS0	14.50	14.30
		175	5875		14.50	14.43
	802.11be40-EHT0	167	5835	MCS0	14.50	14.30
		175	5875		14.50	14.35
	802.11ac80-VHT0	171	5855	MCS0	14.50	14.37
	802.11ax80-HE0	171	5855	MCS0	14.50	14.39
	802.11be80-EHT0	171	5855	MCS0	14.50	14.36
	802.11ac160-VHT0	163	5815	MCS0	14.50	14.49
	802.11ax160-HE0	163	5815	MCS0	14.50	14.39
	802.11be160-EHT0	163	5815	MCS0	14.50	14.32

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6.2 WLAN 6GHz

Notebook mode

Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11ax20-HE0	1	5955	MCS0	22.75	22.30
		45	6175		22.50	22.28
		93	6415		22.50	22.22
	802.11be20-EHT0	1	5955	MCS0	22.75	22.32
		45	6175		22.50	22.35
		93	6415		22.50	22.41
	802.11ax40-HE0	3	5965	MCS0	22.50	22.45
		43	6165		22.50	22.44
		91	6405		22.75	22.52
	802.11be40-EHT0	3	5965	MCS0	22.50	22.14
		43	6165		22.50	22.34
		91	6405		22.75	22.29
	802.11ax80-HE0	7	5985	MCS0	22.00	21.90
		39	6145		22.00	21.86
		87	6385		22.00	21.77
	802.11be80-EHT0	7	5985	MCS0	22.00	21.78
		39	6145		22.00	21.77
		87	6385		22.00	21.91
	802.11ax160-HE0	15	6025	MCS0	20.00	19.94
		47	6185		20.00	19.93
		79	6345		21.25	21.04
	802.11be160-EHT0	15	6025	MCS0	20.00	19.88
		47	6185		20.00	19.81
		79	6345		21.25	21.17
	802.11be320-EHT0	31	6105	MCS0	18.25	18.14
		63	6265		16.25	16.06

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11ax20-HE0	97	6435	MCS0	5.50	5.29
		105	6475		5.50	5.33
		113	6515		5.50	5.47
	802.11be20-EHT0	97	6435	MCS0	5.50	5.40
		105	6475		5.50	5.44
		113	6515		5.50	5.47
	802.11ax40-HE0	99	6445	MCS0	8.75	8.60
		107	6485		8.75	8.63
	802.11be40-EHT0	99	6445	MCS0	8.75	8.65
		107	6485		8.75	8.62
	802.11ax80-HE0	103	6465	MCS0	11.75	11.58
		119	6545		11.75	11.57
	802.11be80-EHT0	103	6465	MCS0	11.75	11.55
		119	6545		11.75	11.56
	802.11ax160-HE0	111	6505	MCS0	14.75	14.61
	802.11be160-EHT0	111	6505	MCS0	14.75	14.55
	802.11be320-EHT0	95	6425	MCS0	16.25	16.24

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11ax20-HE0	117	6535	MCS0	22.25	22.00
		149	6695		22.00	21.89
		181	6855		22.00	21.87
	802.11be20-EHT0	117	6535	MCS0	22.25	21.99
		149	6695		22.00	21.84
		181	6855		22.00	21.96
	802.11ax40-HE0	115	6525	MCS0	22.00	21.92
		147	6685		22.50	22.05
		179	6845		22.00	21.72
	802.11be40-EHT0	115	6525	MCS0	22.00	21.96
		147	6685		22.50	22.01
		179	6845		22.00	21.82
	802.11ax80-HE0	135	6625	MCS0	21.50	21.41
		151	6705		21.50	21.41
		167	6785		21.75	21.72
	802.11be80-EHT0	135	6625	MCS0	21.50	21.37
		151	6705		21.50	21.28
		167	6785		21.75	21.66
	802.11ax160-HE0	143	6665	MCS0	20.50	20.38
		175	6825		14.50	14.29
	802.11be160-EHT0	143	6665	MCS0	20.50	20.43
		175	6825		14.50	14.43
	802.11be320-EHT0	127	6585	MCS0	16.75	16.67
		159	6745		17.25	17.16

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Band	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	5.50	5.27
		209	6995		5.75	5.68
		233	7115		0.50	0.30
	802.11be20-EHT0	185	6875	MCS0	5.50	5.46
		209	6995		5.75	5.59
		233	7115		0.50	0.32
	802.11ax40-HE0	187	6885	MCS0	8.75	8.62
		227	7085		8.75	8.67
	802.11be40-EHT0	187	6885	MCS0	8.75	8.60
		227	7085		8.75	8.65
	802.11ax80-HE0	183	6865	MCS0	11.50	11.46
		199	6945		11.75	11.68
		215	7025		12.00	11.88
	802.11be80-EHT0	183	6865	MCS0	11.50	11.33
		199	6945		11.75	11.62
		215	7025		12.00	11.81
	802.11ax160-HE0	207	6985	MCS0	14.75	14.54
	802.11be160-EHT0	207	6985	MCS0	14.75	14.56
	802.11be320-EHT0	191	6905	MCS0	17.00	16.48

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11ax20-HE0	1	5955	MCS0	21.00	20.90
		45	6175		21.00	20.97
		93	6415		21.00	20.88
	802.11be20-EHT0	1	5955	MCS0	21.00	20.97
		45	6175		21.00	20.77
		93	6415		21.00	20.78
	802.11ax40-HE0	3	5965	MCS0	21.00	20.83
		43	6165		21.00	20.94
		91	6405		21.00	20.91
	802.11be40-EHT0	3	5965	MCS0	21.00	20.84
		43	6165		21.00	20.90
		91	6405		21.00	20.82
	802.11ax80-HE0	7	5985	MCS0	21.00	20.91
		39	6145		21.00	20.79
		87	6385		21.00	20.80
	802.11be80-EHT0	7	5985	MCS0	21.00	20.79
		39	6145		21.00	20.81
		87	6385		21.00	20.91
	802.11ax160-HE0	15	6025	MCS0	20.50	20.49
		47	6185		20.50	20.48
		79	6345		21.00	20.98
	802.11be160-EHT0	15	6025	MCS0	20.50	20.45
		47	6185		20.50	20.40
		79	6345		21.00	20.80
	802.11be320-EHT0	31	6105	MCS0	18.50	18.39
		63	6265		16.25	16.18

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11ax20-HE0	97	6435	MCS0	5.50	5.37
		105	6475		5.50	5.33
		113	6515		5.75	5.56
	802.11be20-EHT0	97	6435	MCS0	5.50	5.46
		105	6475		5.50	5.29
		113	6515		5.75	5.52
	802.11ax40-HE0	99	6445	MCS0	8.75	8.60
		107	6485		8.75	8.72
	802.11be40-EHT0	99	6445	MCS0	8.75	8.68
		107	6485		8.75	8.63
	802.11ax80-HE0	103	6465	MCS0	11.75	11.61
		119	6545		11.75	11.70
	802.11be80-EHT0	103	6465	MCS0	11.75	11.71
		119	6545		11.75	11.62
	802.11ax160-HE0	111	6505	MCS0	14.75	14.55
	802.11be160-EHT0	111	6505	MCS0	14.75	14.53
	802.11be320-EHT0	95	6425	MCS0	16.25	16.21

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11ax20-HE0	117	6535	MCS0	21.00	20.77
		149	6695		21.00	20.78
		181	6855		21.00	20.92
	802.11be20-EHT0	117	6535	MCS0	21.00	20.85
		149	6695		21.00	20.81
		181	6855		21.00	20.92
	802.11ax40-HE0	115	6525	MCS0	21.00	20.90
		147	6685		21.00	20.92
		179	6845		21.00	20.87
	802.11be40-EHT0	115	6525	MCS0	21.00	20.87
		147	6685		21.00	20.79
		179	6845		21.00	20.89
	802.11ax80-HE0	135	6625	MCS0	21.00	20.97
		151	6705		21.00	20.95
		167	6785		21.00	20.98
	802.11be80-EHT0	135	6625	MCS0	21.00	20.93
		151	6705		21.00	20.92
		167	6785		21.00	20.91
	802.11ax160-HE0	143	6665	MCS0	20.50	20.37
		175	6825		14.50	14.39
	802.11be160-EHT0	143	6665	MCS0	20.50	20.29
		175	6825		14.50	14.37
	802.11be320-EHT0	127	6585	MCS0	17.00	16.94
		159	6745		17.25	17.11

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Band	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	5.50	5.34
		209	6995		5.75	5.63
		233	7115		0.50	0.37
	802.11be20-EHT0	185	6875	MCS0	5.50	5.33
		209	6995		5.75	5.70
		233	7115		0.50	0.46
	802.11ax40-HE0	187	6885	MCS0	8.75	8.67
		227	7085		8.75	8.71
	802.11be40-EHT0	187	6885	MCS0	8.75	8.54
		227	7085		8.75	8.55
	802.11ax80-HE0	183	6865	MCS0	11.50	11.35
		199	6945		11.75	11.68
		215	7025		12.00	11.80
	802.11be80-EHT0	183	6865	MCS0	11.50	11.31
		199	6945		11.75	11.62
		215	7025		12.00	11.95
	802.11ax160-HE0	207	6985	MCS0	14.75	14.67
	802.11be160-EHT0	207	6985	MCS0	14.75	14.52
	802.11be320-EHT0	191	6905	MCS0	17.25	15.75

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11ax20-HE0	1	5955	MCS0	13.00	12.86
		45	6175		13.00	12.91
		93	6415		13.00	12.77
	802.11be20-EHT0	1	5955	MCS0	13.00	12.86
		45	6175		13.00	12.90
		93	6415		13.00	12.84
	802.11ax40-HE0	3	5965	MCS0	13.00	12.78
		43	6165		13.00	12.82
		91	6405		13.00	12.89
	802.11be40-EHT0	3	5965	MCS0	13.00	12.92
		43	6165		13.00	12.92
		91	6405		13.00	12.88
	802.11ax80-HE0	7	5985	MCS0	13.00	12.83
		39	6145		13.00	12.91
		87	6385		13.00	12.91
	802.11be80-EHT0	7	5985	MCS0	13.00	12.80
		39	6145		13.00	12.81
		87	6385		13.00	12.78
	802.11ax160-HE0	15	6025	MCS0	13.00	12.92
		47	6185		13.00	12.78
		79	6345		13.00	12.86
	802.11be160-EHT0	15	6025	MCS0	13.00	12.90
		47	6185		13.00	12.87
		79	6345		13.00	12.92
	802.11be320-EHT0	31	6105	MCS0	13.00	12.95
		63	6265		13.00	12.99

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Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11ax20-HE0	97	6435	MCS0	5.50	5.39
		105	6475		5.50	5.32
		113	6515		5.50	5.41
	802.11be20-EHT0	97	6435	MCS0	5.50	5.40
		105	6475		5.50	5.43
		113	6515		5.50	5.37
	802.11ax40-HE0	99	6445	MCS0	8.75	8.64
		107	6485		8.75	8.53
	802.11be40-EHT0	99	6445	MCS0	8.75	8.54
		107	6485		8.75	8.68
	802.11ax80-HE0	103	6465	MCS0	11.75	11.58
		119	6545		11.75	11.71
	802.11be80-EHT0	103	6465	MCS0	11.75	11.68
		119	6545		11.75	11.71
	802.11ax160-HE0	111	6505	MCS0	13.00	12.91
	802.11be160-EHT0	111	6505	MCS0	13.00	12.88
	802.11be320-EHT0	95	6425	MCS0	13.00	12.98

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U-NII-7 6.7GHz	802.11ax20-HE0	117	6535	MCS0	13.00	12.81
		149	6695		13.00	12.79
		181	6855		13.00	12.77
	802.11be20-EHT0	117	6535	MCS0	13.00	12.81
		149	6695		13.00	12.91
		181	6855		13.00	12.82
	802.11ax40-HE0	115	6525	MCS0	13.00	12.86
		147	6685		13.00	12.90
		179	6845		13.00	12.90
	802.11be40-EHT0	115	6525	MCS0	13.00	12.90
		147	6685		13.00	12.85
		179	6845		13.00	12.77
	802.11ax80-HE0	135	6625	MCS0	13.00	12.88
		151	6705		13.00	12.82
		167	6785		13.00	12.88
	802.11be80-EHT0	135	6625	MCS0	13.00	12.81
		151	6705		13.00	12.86
		167	6785		13.00	12.88
	802.11ax160-HE0	143	6665	MCS0	13.00	12.83
		175	6825		13.00	12.92
	802.11be160-EHT0	143	6665	MCS0	13.00	12.80
		175	6825		13.00	12.93
	802.11be320-EHT0	127	6585	MCS0	13.00	12.94
		159	6745		13.00	12.96

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U-NII-8 7.0GHz	802.11ax20-HE0	185	6875	MCS0	5.50	5.43
		209	6995		5.75	5.57
		233	7115		0.50	0.39
	802.11be20-EHT0	185	6875	MCS0	5.50	5.31
		209	6995		5.75	5.64
		233	7115		0.50	0.31
	802.11ax40-HE0	187	6885	MCS0	8.75	8.61
		227	7085		8.75	8.56
	802.11be40-EHT0	187	6885	MCS0	8.75	8.67
		227	7085		8.75	8.57
	802.11ax80-HE0	183	6865	MCS0	11.50	11.33
		199	6945		11.75	11.58
		215	7025		12.00	11.96
	802.11be80-EHT0	183	6865	MCS0	11.50	11.36
		199	6945		11.75	11.54
		215	7025		12.00	11.94
	802.11ax160-HE0	207	6985	MCS0	13.00	12.80
	802.11be160-EHT0	207	6985	MCS0	13.00	12.89
	802.11be320-EHT0	191	6905	MCS0	13.00	12.94

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-5 6.2GHz	802.11ax20-HE0	1	5955	MCS0	11.00	10.84
		45	6175		11.00	10.84
		93	6415		11.00	10.80
	802.11be20-EHT0	1	5955	MCS0	11.00	10.80
		45	6175		11.00	10.90
		93	6415		11.00	10.85
	802.11ax40-HE0	3	5965	MCS0	11.00	10.90
		43	6165		11.00	10.79
		91	6405		11.00	10.90
	802.11be40-EHT0	3	5965	MCS0	11.00	10.91
		43	6165		11.00	10.86
		91	6405		11.00	10.90
	802.11ax80-HE0	7	5985	MCS0	11.00	10.85
		39	6145		11.00	10.82
		87	6385		11.00	10.83
	802.11be80-EHT0	7	5985	MCS0	11.00	10.91
		39	6145		11.00	10.85
		87	6385		11.00	10.93
	802.11ax160-HE0	15	6025	MCS0	11.00	10.90
		47	6185		11.00	10.92
		79	6345		11.00	10.92
	802.11be160-EHT0	15	6025	MCS0	11.00	10.85
		47	6185		11.00	10.80
		79	6345		11.00	10.92
	802.11be320-EHT0	31	6105	MCS0	11.00	10.96
		63	6265		11.00	10.94

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-6 6.5GHz	802.11ax20-HE0	97	6435	MCS0	5.50	5.44
		105	6475		5.50	5.37
		113	6515		5.75	5.63
	802.11be20-EHT0	97	6435	MCS0	5.50	5.39
		105	6475		5.50	5.32
		113	6515		5.75	5.64
	802.11ax40-HE0	99	6445	MCS0	8.75	8.69
		107	6485		8.75	8.55
	802.11be40-EHT0	99	6445	MCS0	8.75	8.70
		107	6485		8.75	8.68
	802.11ax80-HE0	103	6465	MCS0	11.00	10.93
		119	6545		11.00	10.87
	802.11be80-EHT0	103	6465	MCS0	11.00	10.79
		119	6545		11.00	10.87
	802.11ax160-HE0	111	6505	MCS0	11.00	10.80
	802.11be160-EHT0	111	6505	MCS0	11.00	10.79
	802.11be320-EHT0	95	6425	MCS0	11.00	10.98

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
U-NII-7 6.7GHz	802.11ax20-HE0	117	6535	MCS0	11.00	10.85
		149	6695		11.00	10.93
		181	6855		11.00	10.81
	802.11be20-EHT0	117	6535	MCS0	11.00	10.84
		149	6695		11.00	10.90
		181	6855		11.00	10.90
	802.11ax40-HE0	115	6525	MCS0	11.00	10.77
		147	6685		11.00	10.81
		179	6845		11.00	10.80
	802.11be40-EHT0	115	6525	MCS0	11.00	10.88
		147	6685		11.00	10.89
		179	6845		11.00	10.85
	802.11ax80-HE0	135	6625	MCS0	11.00	10.94
		151	6705		11.00	10.82
		167	6785		11.00	10.89
	802.11be80-EHT0	135	6625	MCS0	11.00	10.93
		151	6705		11.00	10.83
		167	6785		11.00	10.85
	802.11ax160-HE0	143	6665	MCS0	11.00	10.89
		175	6825		11.00	10.77
	802.11be160-EHT0	143	6665	MCS0	11.00	10.91
		175	6825		11.00	10.92
	802.11be320-EHT0	127	6585	MCS0	11.00	10.95
		159	6745		11.00	10.98

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Band	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	5.50	5.37
		209	6995		5.75	5.62
		233	7115		0.50	0.35
	802.11be20-EHT0	185	6875	MCS0	5.50	5.34
		209	6995		5.75	5.58
		233	7115		0.50	0.41
	802.11ax40-HE0	187	6885	MCS0	8.75	8.61
		227	7085		8.75	8.64
	802.11be40-EHT0	187	6885	MCS0	8.75	8.52
		227	7085		8.75	8.71
	802.11ax80-HE0	183	6865	MCS0	11.00	10.86
		199	6945		11.00	10.97
		215	7025		11.00	10.81
	802.11be80-EHT0	183	6865	MCS0	11.00	10.81
		199	6945		11.00	10.83
		215	7025		11.00	10.95
	802.11ax160-HE0	207	6985	MCS0	11.00	10.95
	802.11be160-EHT0	207	6985	MCS0	11.00	10.88
	802.11be320-EHT0	191	6905	MCS0	11.00	10.99

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6.3 Bluetooth

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
BR/EDR	CH 00	2402	15.00	14.49	15.00	13.73	15.00	13.72
	CH 39	2441	15.00	14.72	15.00	13.95	15.00	13.92
	CH 78	2480	15.50	14.67	15.00	13.92	15.50	13.93

6.4 BLE

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_1M	CH 00	2402	15.00	14.48
	CH 19	2440	15.00	14.67
	CH 39	2480	15.50	14.64
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_2M	CH 00	2402	15.00	14.46
	CH 19	2440	15.00	14.67
	CH 39	2480	15.50	14.65

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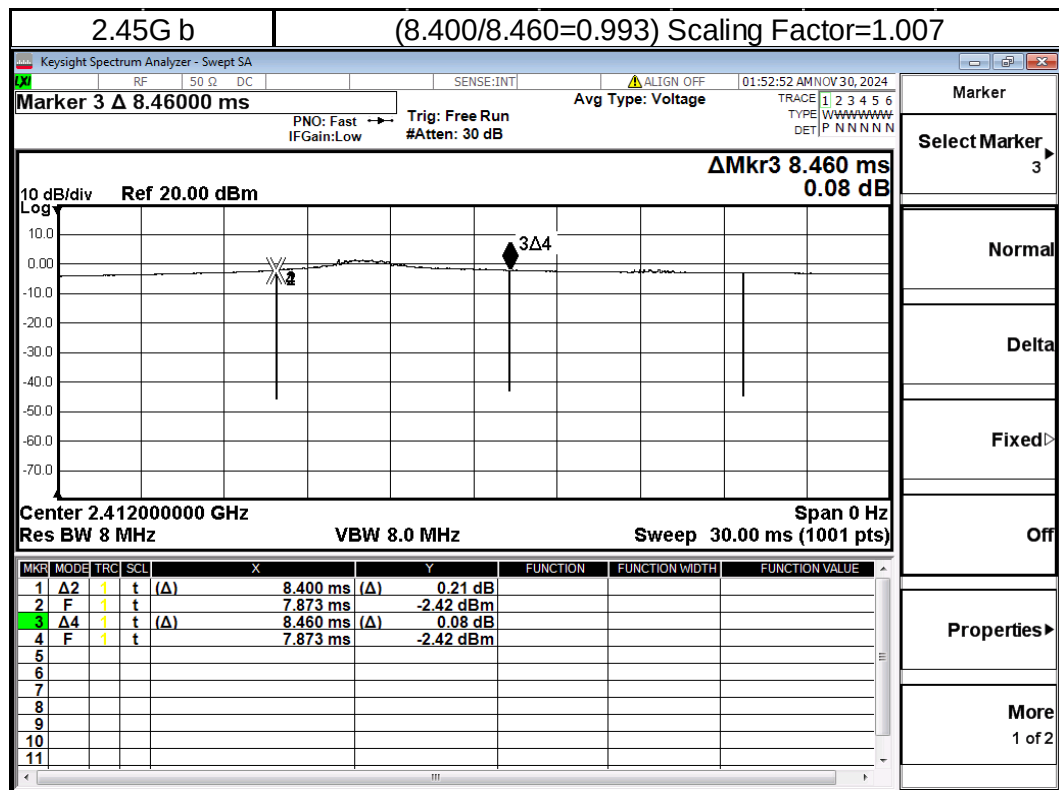
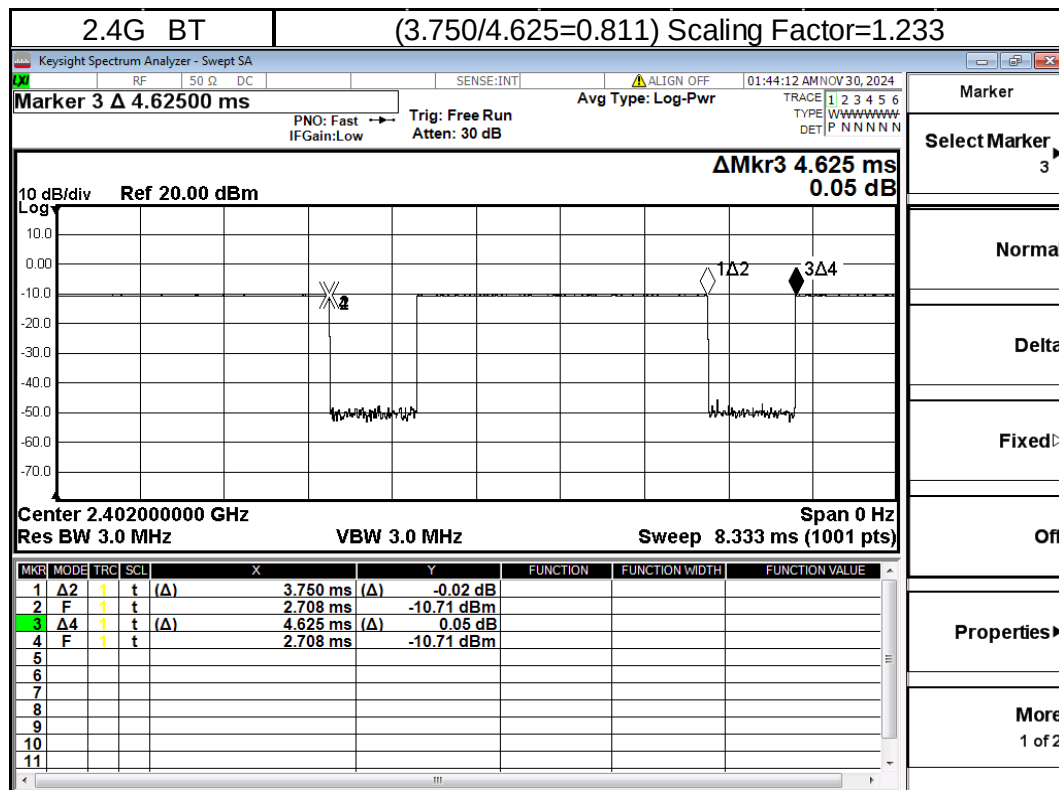
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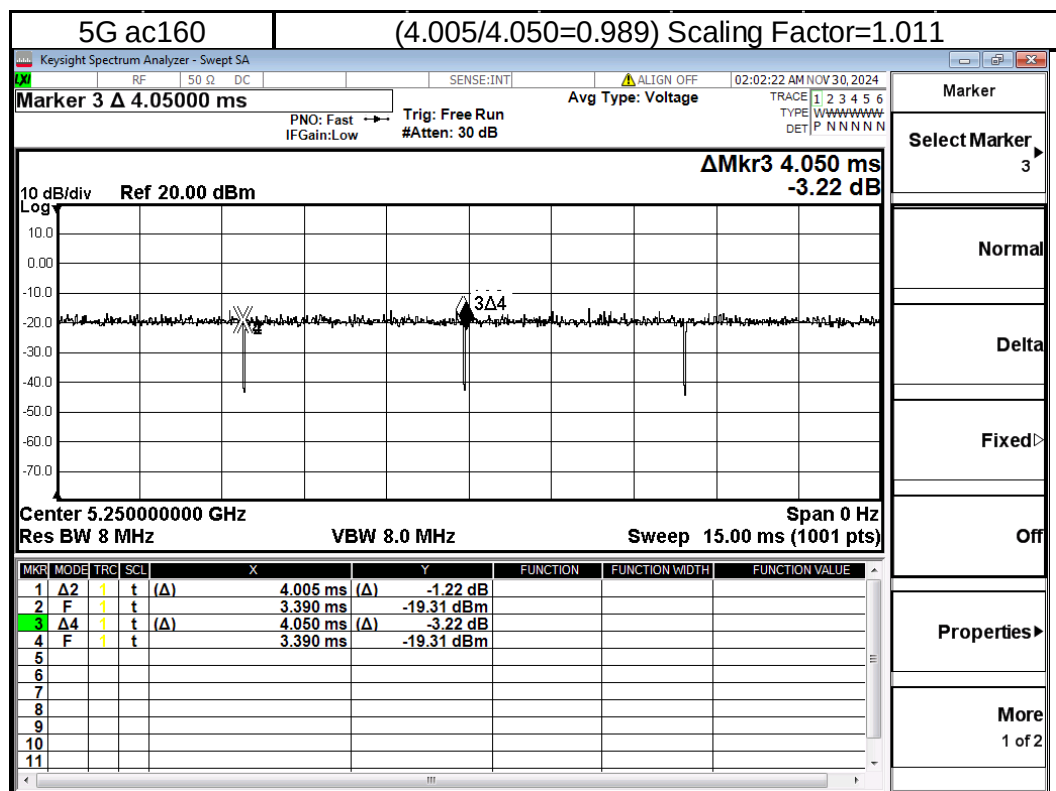
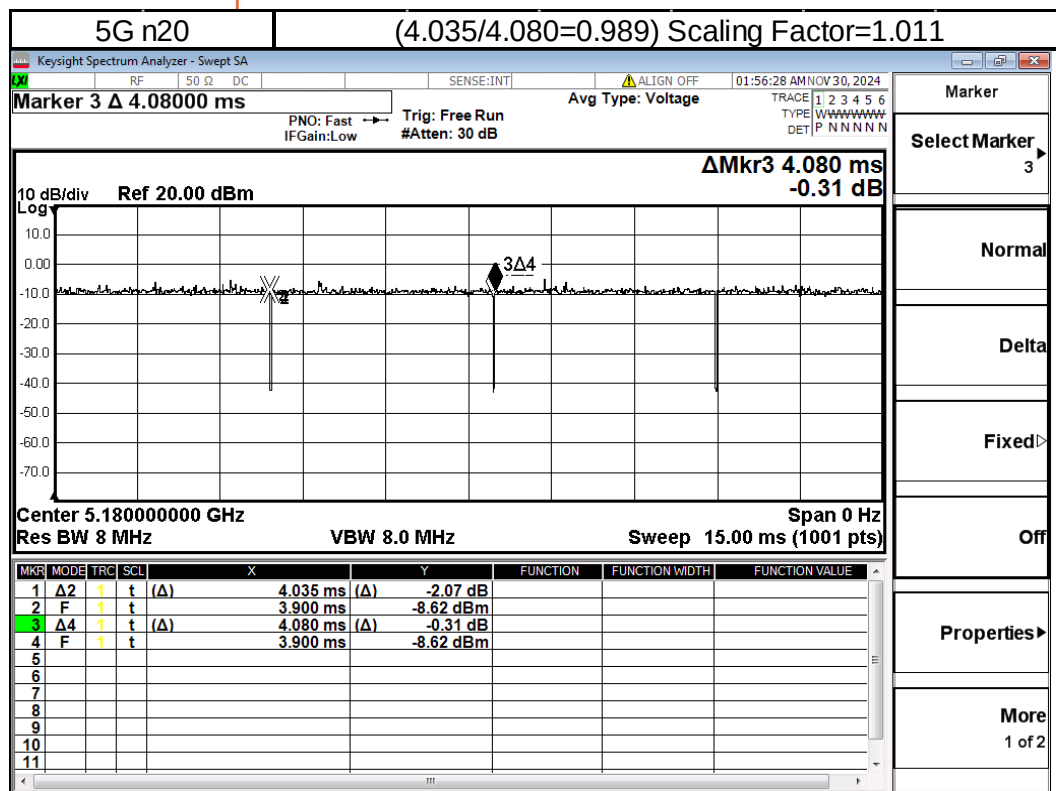
7 DUTY CYCLE



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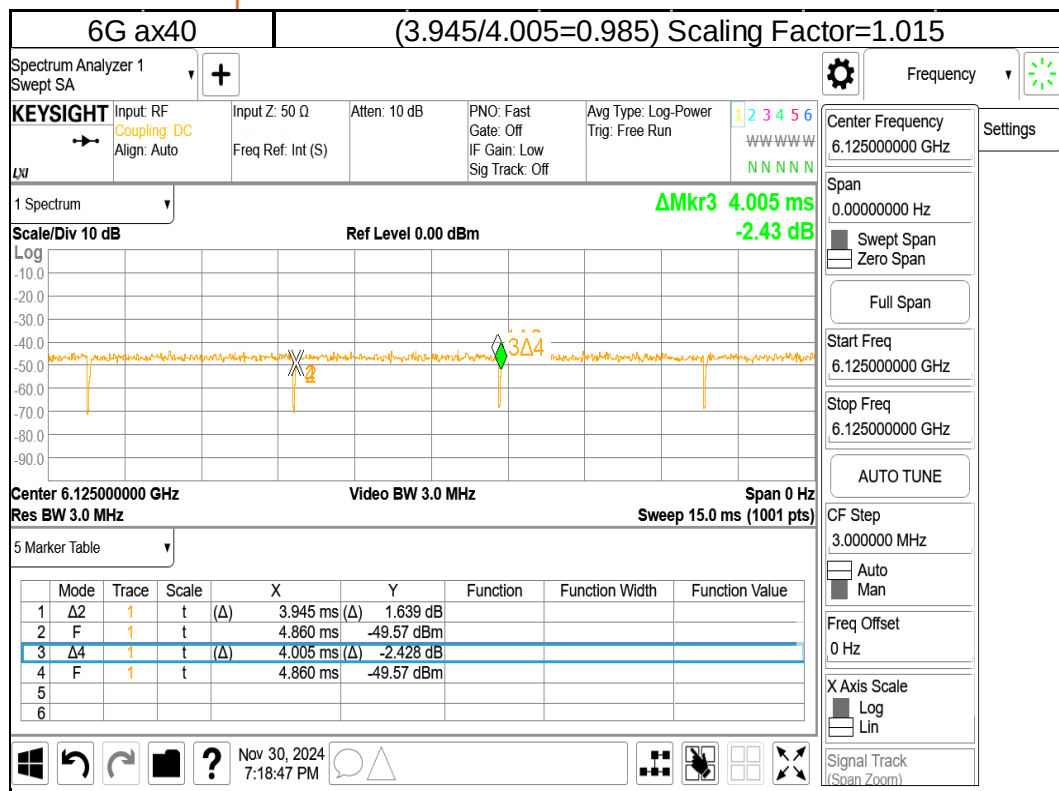
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8 SUMMARY OF RESULTS

8.1 Decision rules

Reported measurement data comply with Test Methodology in section 1.1.

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

8.2 Summary of SAR Results

WLAN

Notebook mode

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Main	Bottom Surface	0	1	2412	20.00	19.97	1.007	100.69%	0.073	0.074	-
WLAN 802.11b	Main	Bottom Surface	0	6	2437	23.00	21.06	1.007	156.31%	0.061	0.096	-
WLAN 802.11b	Main	Bottom Surface	0	11	2462	23.00	21.26	1.007	149.28%	0.089	0.134	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)		ID
										Measured	Reported	
WLAN 802.11n(20M) 5.2G	Main	Bottom Surface	0	36	5180	21.75	21.73	1.011	100.46%	0.061	0.062	-
WLAN 802.11n(20M) 5.2G	Main	Bottom Surface	0	40	5200	21.75	21.72	1.011	100.69%	0.057	0.058	-
WLAN 802.11n(20M) 5.2G	Main	Bottom Surface	0	44	5220	21.75	21.69	1.011	101.39%	0.042	0.043	-
WLAN 802.11n(20M) 5.2G	Main	Bottom Surface	0	48	5240	21.75	21.74	1.011	100.23%	0.065	0.066	002
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.3G	Main	Bottom Surface	0	54	5270	21.00	20.67	1.015	107.89%	0.065	0.071	004
WLAN 802.11n(40M) 5.3G	Main	Bottom Surface	0	62	5310	19.50	19.49	1.015	100.23%	0.056	0.057	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Main	Bottom Surface	0	106	5530	20.00	19.91	1.015	102.09%	0.197	0.204	-
WLAN 802.11ac(80M) 5.6G	Main	Bottom Surface	0	122	5610	20.50	20.45	1.015	101.16%	0.213	0.219	-
WLAN 802.11ac(80M) 5.6G	Main	Bottom Surface	0	138	5690	20.50	20.48	1.015	100.46%	0.242	0.247	005
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.8G	Main	Bottom Surface	0	155	5775	20.50	20.48	1.015	100.46%	0.237	0.242	006
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.9G	Main	Bottom Surface	0	171	5855	20.50	20.48	1.015	100.46%	0.208	0.212	007
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Aux	Bottom Surface	0	1	2412	20.00	19.75	1.007	105.93%	0.033	0.035	-
WLAN 802.11b	Aux	Bottom Surface	0	6	2437	22.50	20.57	1.007	155.96%	0.054	0.085	008
WLAN 802.11b	Aux	Bottom Surface	0	11	2462	22.00	20.24	1.007	149.97%	0.046	0.069	-
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	
Bluetooth(GFSK)	Aux	Bottom Surface	0	00	2402	15.00	14.49	1.233	112.46%	0.008	0.011	-
Bluetooth(GFSK)	Aux	Bottom Surface	0	39	2441	15.00	14.72	1.233	106.66%	0.012	0.016	009
Bluetooth(GFSK)	Aux	Bottom Surface	0	78	2480	15.00	14.67	1.233	107.89%	0.010	0.013	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11n(40M) 5.2G	Aux	Bottom Surface	0	38	5190	21.00	20.18	1.015	120.78%	0.026	0.032	-
WLAN 802.11n(40M) 5.2G	Aux	Bottom Surface	0	46	5230	21.75	21.14	1.015	115.08%	0.032	0.037	010
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	22.50	21.57	1.015	123.88%	0.038	0.048	012
WLAN 802.11n(40M) 5.3G	Aux	Bottom Surface	0	62	5310	20.25	20.24	1.015	100.23%	0.034	0.035	-
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	106	5530	20.00	19.97	1.015	100.69%	0.096	0.098	-
WLAN 802.11ac(80M) 5.6G	Aux	Bottom Surface	0	122	5610	20.00	19.92	1.015	101.86%	0.082	0.085	-
WLAN 802.11ac(80M) 5.6G	Aux	Bottom Surface	0	138	5690	20.00	19.98	1.015	100.46%	0.109	0.111	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 802.11n(40M) 5.8G	Aux	Bottom Surface	0	151	5755	22.00	21.98	1.015	100.46%	0.181	0.185	014
WLAN 802.11n(40M) 5.8G	Aux	Bottom Surface	0	159	5795	22.00	21.95	1.015	101.16%	0.177	0.182	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.9G	Aux	Bottom Surface	0	171	5855	22.00	21.99	1.015	100.23%	0.121	0.123	015

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Tablet mode

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Main	Back Surface	0	6	2437	17.00	16.95	1.007	101.16%	0.134	0.137	-
WLAN 802.11b	Main	Top Edge	0	6	2437	17.00	16.95	1.007	101.16%	0.197	0.201	-
WLAN 802.11b	Main	Bottom Edge	0	6	2437	17.00	16.95	1.007	101.16%	0.185	0.188	-
WLAN 802.11b	Main	Right Edge	0	1	2412	17.00	16.88	1.007	102.80%	0.857	0.887	-
WLAN 802.11b	Main	Right Edge	0	6	2437	17.00	16.95	1.007	101.16%	0.952	0.970	-
WLAN 802.11b	Main	Right Edge	0	11	2462	17.00	16.94	1.007	101.39%	0.968	0.988	016
WLAN 802.11b	Main	Right Edge*	0	11	2462	17.00	16.94	1.007	101.39%	0.955	0.975	-
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	12.50	12.44	1.011	101.39%	0.049	0.050	-
WLAN 802.11ac(160M) 5.2G	Main	Top Edge	0	50	5250	12.50	12.44	1.011	101.39%	0.028	0.029	-
WLAN 802.11ac(160M) 5.2G	Main	Bottom Edge	0	50	5250	12.50	12.44	1.011	101.39%	0.011	0.011	-
WLAN 802.11ac(160M) 5.2G	Main	Right Edge	0	50	5250	12.50	12.44	1.011	101.39%	1.060	1.087	017
WLAN 802.11ac(160M) 5.2G	Main	Right Edge*	0	50	5250	12.50	12.44	1.011	101.39%	1.010	1.035	-
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	12.50	12.44	1.015	101.39%	0.061	0.063	-
WLAN 802.11ac(80M) 5.3G	Main	Top Edge	0	58	5290	12.50	12.44	1.015	101.39%	0.036	0.037	-
WLAN 802.11ac(80M) 5.3G	Main	Bottom Edge	0	58	5290	12.50	12.44	1.015	101.39%	0.021	0.022	-
WLAN 802.11ac(80M) 5.3G	Main	Right Edge	0	58	5290	12.50	12.44	1.015	101.39%	1.020	1.050	018
WLAN 802.11ac(80M) 5.3G	Main	Right Edge*	0	58	5290	12.50	12.44	1.015	101.39%	0.995	1.024	-
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	12.50	12.49	1.011	100.23%	0.051	0.052	-
WLAN 802.11ac(160M) 5.6G	Main	Top Edge	0	114	5570	12.50	12.49	1.011	100.23%	0.028	0.028	-
WLAN 802.11ac(160M) 5.6G	Main	Bottom Edge	0	114	5570	12.50	12.49	1.011	100.23%	0.010	0.010	-
WLAN 802.11ac(160M) 5.6G	Main	Right Edge	0	114	5570	12.50	12.49	1.011	100.23%	0.801	0.812	019
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11ac(80M) 5.8G	Main	Back Surface	0	155	5775	13.50	13.49	1.015	100.23%	0.047	0.048	-
WLAN 802.11ac(80M) 5.8G	Main	Top Edge	0	155	5775	13.50	13.49	1.015	100.23%	0.040	0.041	-
WLAN 802.11ac(80M) 5.8G	Main	Bottom Edge	0	155	5775	13.50	13.49	1.015	100.23%	0.024	0.024	-
WLAN 802.11ac(80M) 5.8G	Main	Right Edge	0	155	5775	13.50	13.49	1.015	100.23%	0.902	0.918	021
WLAN 802.11ac(80M) 5.8G	Main	Right Edge*	0	155	5775	13.50	13.49	1.015	100.23%	0.889	0.904	-
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	13.50	13.49	1.011	100.23%	0.055	0.056	-
WLAN 802.11ac(160M) 5.9G	Main	Top Edge	0	163	5815	13.50	13.49	1.011	100.23%	0.038	0.039	-
WLAN 802.11ac(160M) 5.9G	Main	Bottom Edge	0	163	5815	13.50	13.49	1.011	100.23%	0.019	0.019	-
WLAN 802.11ac(160M) 5.9G	Main	Right Edge	0	163	5815	13.50	13.49	1.011	100.23%	0.812	0.823	022
WLAN 802.11ac(160M) 5.9G	Main	Right Edge*	0	163	5815	13.50	13.49	1.011	100.23%	0.805	0.816	-

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Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Aux	Back Surface	0	6	2437	21.00	19.78	1.007	132.43%	0.183	0.244	-
WLAN 802.11b	Aux	Top Edge	0	6	2437	21.00	19.78	1.007	132.43%	0.105	0.140	-
WLAN 802.11b	Aux	Bottom Edge	0	6	2437	21.00	19.78	1.007	132.43%	0.128	0.171	-
WLAN 802.11b	Aux	Left Edge	0	1	2412	20.00	19.75	1.007	105.93%	0.722	0.770	-
WLAN 802.11b	Aux	Left Edge	0	6	2437	21.00	19.78	1.007	132.43%	0.770	1.027	023
WLAN 802.11b	Aux	Left Edge	0	11	2462	21.00	19.74	1.007	133.66%	0.693	0.933	-
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	39	2441	15.00	14.72	1.233	106.66%	0.039	0.051	-
Bluetooth(GFSK)	Aux	Top Edge	0	39	2441	15.00	14.72	1.233	106.66%	0.006	0.008	-
Bluetooth(GFSK)	Aux	Bottom Edge	0	39	2441	15.00	14.72	1.233	106.66%	0.017	0.022	-
Bluetooth(GFSK)	Aux	Left Edge	0	00	2402	15.00	14.49	1.233	112.46%	0.135	0.187	-
Bluetooth(GFSK)	Aux	Left Edge	0	39	2441	15.00	14.72	1.233	106.66%	0.155	0.204	024
Bluetooth(GFSK)	Aux	Left Edge	0	78	2480	15.00	14.67	1.233	107.89%	0.145	0.193	-
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	9.00	8.95	1.011	101.16%	0.112	0.115	-
WLAN 802.11ac(160M) 5.2G	Aux	Top Edge	0	50	5250	9.00	8.95	1.011	101.16%	0.045	0.046	-
WLAN 802.11ac(160M) 5.2G	Aux	Bottom Edge	0	50	5250	9.00	8.95	1.011	101.16%	0.068	0.070	-
WLAN 802.11ac(160M) 5.2G	Aux	Left Edge	0	50	5250	9.00	8.95	1.011	101.16%	0.973	0.995	025
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	9.00	8.98	1.015	100.46%	0.128	0.131	-
WLAN 802.11ac(80M) 5.3G	Aux	Top Edge	0	58	5290	9.00	8.98	1.015	100.46%	0.104	0.106	-
WLAN 802.11ac(80M) 5.3G	Aux	Bottom Edge	0	58	5290	9.00	8.98	1.015	100.46%	0.076	0.077	-
WLAN 802.11ac(80M) 5.3G	Aux	Left Edge	0	58	5290	9.00	8.98	1.015	100.46%	0.871	0.888	026
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	13.00	12.96	1.011	100.93%	0.099	0.101	-
WLAN 802.11ac(160M) 5.6G	Aux	Top Edge	0	114	5570	13.00	12.96	1.011	100.93%	0.036	0.037	-
WLAN 802.11ac(160M) 5.6G	Aux	Bottom Edge	0	114	5570	13.00	12.96	1.011	100.93%	0.043	0.044	-
WLAN 802.11ac(160M) 5.6G	Aux	Left Edge	0	114	5570	13.00	12.96	1.011	100.93%	0.940	0.959	027
WLAN 802.11ac(160M) 5.6G	Aux	Left Edge*	0	114	5570	13.00	12.96	1.011	100.93%	0.917	0.936	-
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	14.50	14.46	1.015	100.93%	0.039	0.040	-
WLAN 802.11ac(80M) 5.8G	Aux	Top Edge	0	155	5775	14.50	14.46	1.015	100.93%	0.016	0.016	-
WLAN 802.11ac(80M) 5.8G	Aux	Bottom Edge	0	155	5775	14.50	14.46	1.015	100.93%	0.020	0.020	-
WLAN 802.11ac(80M) 5.8G	Aux	Left Edge	0	155	5775	14.50	14.46	1.015	100.93%	0.582	0.596	029
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	14.50	14.49	1.011	100.23%	0.047	0.048	-
WLAN 802.11ac(160M) 5.9G	Aux	Top Edge	0	163	5815	14.50	14.49	1.011	100.23%	0.015	0.015	-
WLAN 802.11ac(160M) 5.9G	Aux	Bottom Edge	0	163	5815	14.50	14.49	1.011	100.23%	0.023	0.023	-
WLAN 802.11ac(160M) 5.9G	Aux	Left Edge	0	163	5815	14.50	14.49	1.011	100.23%	0.639	0.648	030

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

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Notebook mode

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(40M)	Main	Bottom Surface	0	3	5965	22.50	22.45	1.015	101.16%	0.254	0.261	2.27	2.331	031
U-NII-5 6.2GHz 802.11ax(40M)	Main	Bottom Surface	0	43	6165	22.50	22.44	1.015	101.39%	0.235	0.242	2.11	2.171	-
U-NII-5 6.2GHz 802.11ax(40M)	Main	Bottom Surface	0	91	6405	22.75	22.52	1.015	105.44%	0.218	0.233	1.96	2.098	-
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 802.11be(320M)	Main	Bottom Surface	0	95	6425	16.25	16.24	1.026	100.23%	0.053	0.055	0.488	0.502	032
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(40M)	Main	Bottom Surface	0	115	6525	22.00	21.92	1.015	101.86%	0.121	0.125	1.08	1.117	-
U-NII-7 6.7GHz 802.11ax(40M)	Main	Bottom Surface	0	147	6685	22.50	22.05	1.015	110.92%	0.130	0.146	1.16	1.306	033
U-NII-7 6.7GHz 802.11ax(40M)	Main	Bottom Surface	0	179	6845	22.00	21.72	1.015	106.66%	0.114	0.123	1.01	1.093	-
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 802.11be(320M)	Main	Bottom Surface	0	191	6905	17.00	16.48	1.026	112.72%	0.023	0.027	0.254	0.294	034
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	20.50	20.49	1.018	100.23%	0.088	0.090	0.756	0.771	035
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Bottom Surface	0	47	6185	20.50	20.48	1.018	100.46%	0.041	0.042	0.389	0.398	-
U-NII-5 6.2GHz 802.11ax(160M)	Aux	Bottom Surface	0	79	6345	21.00	20.98	1.018	100.46%	0.059	0.060	0.502	0.513	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11be(320M)	Aux	Bottom Surface	0	95	6425	16.25	16.21	1.026	100.93%	0.018	0.019	0.158	0.164	036
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(80M)	Aux	Bottom Surface	0	135	6625	21.00	20.97	1.018	100.69%	0.079	0.081	0.632	0.648	-
U-NII-7 6.7GHz 802.11ax(80M)	Aux	Bottom Surface	0	151	6705	21.00	20.95	1.018	101.16%	0.072	0.074	0.628	0.647	-
U-NII-7 6.7GHz 802.11ax(80M)	Aux	Bottom Surface	0	167	6785	21.00	20.98	1.018	100.46%	0.087	0.089	0.733	0.750	037
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 802.11be(320M)	Aux	Bottom Surface	0	191	6905	17.25	15.75	1.026	141.25%	0.022	0.032	0.212	0.307	038

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Tablet mode

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11be(320M)	Main	Back Surface	0	63	6265	13.00	12.99	1.026	100.23%	0.038	0.039	0.304	0.313	-
U-NII-5 6.2GHz 802.11be(320M)	Main	Top Edge	0	63	6265	13.00	12.99	1.026	100.23%	0.011	0.011	0.08	0.082	-
U-NII-5 6.2GHz 802.11be(320M)	Main	Bottom Edge	0	63	6265	13.00	12.99	1.026	100.23%	0.029	0.030	0.232	0.239	-
U-NII-5 6.2GHz 802.11be(320M)	Main	Right Edge	0	31	6105	13.00	12.95	1.026	101.16%	0.496	0.515	3.69	3.830	039
U-NII-5 6.2GHz 802.11be(320M)	Main	Right Edge	0	63	6265	13.00	12.99	1.026	100.23%	0.403	0.414	3.02	3.106	-
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 802.11be(320M)	Main	Back Surface	0	95	6425	13.00	12.98	1.026	100.46%	0.048	0.049	0.384	0.396	-
U-NII-6 6.5GHz 802.11be(320M)	Main	Top Edge	0	95	6425	13.00	12.98	1.026	100.46%	0.016	0.016	0.128	0.132	-
U-NII-6 6.5GHz 802.11be(320M)	Main	Bottom Edge	0	95	6425	13.00	12.98	1.026	100.46%	0.033	0.034	0.264	0.272	-
U-NII-6 6.5GHz 802.11be(320M)	Main	Right Edge	0	95	6425	13.00	12.98	1.026	100.46%	0.525	0.541	3.95	4.071	040
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 802.11be(320M)	Main	Back Surface	0	159	6745	13.00	12.96	1.026	100.93%	0.045	0.047	0.36	0.373	-
U-NII-7 6.7GHz 802.11be(320M)	Main	Top Edge	0	159	6745	13.00	12.96	1.026	100.93%	0.017	0.018	0.102	0.106	-
U-NII-7 6.7GHz 802.11be(320M)	Main	Bottom Edge	0	159	6745	13.00	12.96	1.026	100.93%	0.038	0.039	0.304	0.315	-
U-NII-7 6.7GHz 802.11be(320M)	Main	Right Edge	0	127	6585	13.00	12.94	1.026	101.39%	0.631	0.656	4.73	4.920	-
U-NII-7 6.7GHz 802.11be(320M)	Main	Right Edge	0	159	6745	13.00	12.96	1.026	100.93%	0.673	0.697	4.99	5.167	041
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 802.11be(320M)	Main	Back Surface	0	191	6905	13.00	12.94	1.026	101.39%	0.048	0.050	0.36	0.374	-
U-NII-8 7.0GHz 802.11be(320M)	Main	Top Edge	0	191	6905	13.00	12.94	1.026	101.39%	0.024	0.025	0.182	0.189	-
U-NII-8 7.0GHz 802.11be(320M)	Main	Bottom Edge	0	191	6905	13.00	12.94	1.026	101.39%	0.040	0.042	0.311	0.324	-
U-NII-8 7.0GHz 802.11be(320M)	Main	Right Edge	0	191	6905	13.00	12.94	1.026	101.39%	0.413	0.430	3.05	3.173	042
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		Estimated APD W/m ² (4cm ²)		ID
										Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11be(320M)	Aux	Back Surface	0	31	6105	11.00	10.96	1.026	100.93%	0.057	0.059	0.285	0.295	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Top Edge	0	31	6105	11.00	10.96	1.026	100.93%	0.025	0.026	0.124	0.128	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Bottom Edge	0	31	6105	11.00	10.96	1.026	100.93%	0.047	0.049	0.23	0.238	-
U-NII-5 6.2GHz 802.11be(320M)	Aux	Left Edge	0	31	6105	11.00	10.96	1.026	100.93%	0.458	0.474	2.35	2.433	043
U-NII-5 6.2GHz 802.11be(320M)	Aux	Left Edge	0	63	6265	11.00	10.94	1.026	101.39%	0.445	0.463	2.21	2.299	-
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 802.11be(320M)	Aux	Back Surface	0	95	6425	11.00	10.98	1.026	100.46%	0.026	0.027	0.152	0.157	-
U-NII-6 6.5GHz 802.11be(320M)	Aux	Top Edge	0	95	6425	11.00	10.98	1.026	100.46%	0.039	0.040	0.214	0.221	-
U-NII-6 6.5GHz 802.11be(320M)	Aux	Bottom Edge	0	95	6425	11.00	10.98	1.026	100.46%	0.056	0.058	0.285	0.294	-
U-NII-6 6.5GHz 802.11be(320M)	Aux	Left Edge	0	95	6425	11.00	10.98	1.026	100.46%	0.966	0.996	5.00	5.154	044
U-NII-6 6.5GHz 802.11be(320M)	Aux	Left Edge*	0	95	6425	11.00	10.98	1.026	100.46%	0.952	0.981	4.93	5.082	-
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 802.11be(320M)	Aux	Back Surface	0	159	6745	11.00	10.98	1.026	100.46%	0.045	0.046	0.243	0.250	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Top Edge	0	159	6745	11.00	10.98	1.026	100.46%	0.021	0.022	0.104	0.107	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Bottom Edge	0	159	6745	11.00	10.98	1.026	100.46%	0.051	0.053	0.256	0.264	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Left Edge	0	127	6585	11.00	10.95	1.026	101.16%	0.511	0.530	2.53	2.626	-
U-NII-7 6.7GHz 802.11be(320M)	Aux	Left Edge	0	159	6745	11.00	10.98	1.026	100.46%	0.544	0.561	2.88	2.969	045
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 802.11be(320M)	Aux	Back Surface	0	191	6905	11.00	10.99	1.026	100.23%	0.040	0.041	0.233	0.240	-
U-NII-8 7.0GHz 802.11be(320M)	Aux	Top Edge	0	191	6905	11.00	10.99	1.026	100.23%	0.018	0.019	0.091	0.094	-
U-NII-8 7.0GHz 802.11be(320M)	Aux	Bottom Edge	0	191	6905	11.00	10.99	1.026	100.23%	0.057	0.059	0.294	0.302	-
U-NII-8 7.0GHz 802.11be(320M)	Aux	Left Edge	0	191	6905	11.00	10.99	1.026	100.23%	0.589	0.606	3.04	3.126	046

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

Note:

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

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

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8.3 Summary of PD Results

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	PD result(4cm)				ID
											Measured Total psPD (W/m ²)	Reported Total psPD (W/m ²)	Measured Normal psPD (W/m ²)	Reported Normal psPD (W/m ²)	
WLAN 6E 802.11be(320M) U-NII-5	Main	Right Edge	2	31	6105	13.00	12.95	101.16%	1.02	1.55	6.200	9.896	4.790	7.646	047
	Main	Right Edge	2	63	6265	13.00	12.99	100.23%	1.02	1.55	6.100	9.647	4.440	7.022	-
WLAN 6E 802.11be(320M) U-NII-6	Main	Right Edge	2	95	6425	13.00	12.98	100.46%	1.02	1.55	5.960	9.448	4.580	7.260	048
WLAN 6E 802.11be(320M) U-NII-7	Main	Right Edge	2	127	6585	13.00	12.94	101.39%	1.02	1.55	3.570	5.711	2.980	4.768	-
	Main	Right Edge	2	159	6745	13.00	12.96	100.93%	1.02	1.55	3.680	5.860	3.060	4.873	049
WLAN 6E 802.11be(320M) U-NII-8	Main	Right Edge	2	191	6905	13.00	12.94	101.39%	1.02	1.55	5.030	8.047	2.460	3.936	050
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 802.11be(320M) U-NII-5	Aux	Left Edge	2	31	6105	11.00	10.96	100.93%	1.02	1.55	1.810	2.882	1.620	2.580	051
	Aux	Left Edge	2	63	6265	11.00	10.94	101.39%	1.02	1.55	1.670	2.672	1.410	2.256	-
WLAN 6E 802.11be(320M) U-NII-6	Aux	Left Edge	2	95	6425	11.00	10.98	100.46%	1.02	1.55	1.800	2.853	1.540	2.441	052
WLAN 6E 802.11be(320M) U-NII-7	Aux	Left Edge	2	127	6585	11.00	10.95	101.16%	1.02	1.55	2.730	4.358	2.480	3.959	-
	Aux	Left Edge	2	159	6745	11.00	10.98	100.46%	1.02	1.55	3.270	5.184	2.880	4.565	053
WLAN 6E 802.11be(320M) U-NII-8	Aux	Left Edge	2	191	6905	11.00	10.99	100.23%	1.02	1.55	3.090	4.887	2.860	4.523	054

Note:

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

8.4 Reporting statements of conformity

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

8.5 Conclusion

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

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9 SIMULTANEOUS TRANSMISSION ANALYSIS

9.1 Simultaneous Transmission Scenarios:

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

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9.2 Estimated SAR calculation

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

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

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

9.3 SPLSR evaluation and analysis

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

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

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

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

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

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Simultaneous Transmission Combination

Notebook mode

Exposure Position		FCC Reported SAR							Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
		2	3	4	5	7	8	9	2+3	4+5	2+7	4+7	4+5+7	7+8	8+9	7+8+9
		2.4GHz WLAN Main 1g SAR (W/kg)	2.4GHz WLAN Aux 1g SAR (W/kg)	5GHz WLAN Main 1g SAR (W/kg)	5GHz WLAN Aux 1g SAR (W/kg)	Bluetooth Aux 1g SAR (W/kg)	6GHz WLAN Main 1g SAR (W/kg)	6GHz WLAN Aux 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Bottom Surface	0	0.134	0.085	0.247	0.185	0.016	0.261	0.090	0.219	0.432	0.150	0.263	0.448	0.277	0.351	0.367

Tablet 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+3	4+5	2+7	4+7	4+5+7	7+8	8+9	7+8+9
		2.4GHz WLAN Main 1g SAR (W/kg)	2.4GHz WLAN Aux 1g SAR (W/kg)	5GHz WLAN Main 1g SAR (W/kg)	5GHz WLAN Aux 1g SAR (W/kg)	Bluetooth Aux 1g SAR (W/kg)	6GHz WLAN Main 1g SAR (W/kg)	6GHz WLAN Aux 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Back Surface	0	0.137	0.244	0.063	0.131	0.051	0.050	0.059	0.381	0.194	0.188	0.114	0.245	0.101	0.109	0.160
Top Edge	0	0.201	0.140	0.041	0.106	0.008	0.025	0.040	0.341	0.147	0.209	0.049	0.155	0.033	0.065	0.073
Bottom Edge	0	0.188	0.171	0.024	0.077	0.022	0.042	0.059	0.359	0.101	0.210	0.046	0.123	0.064	0.101	0.123
Right Edge	0	0.988		1.087			0.697		0.888	1.087	0.988	1.087	1.087	0.697	0.697	0.697
Left Edge	0		1.027		0.995	0.204		0.996	1.027	0.995	0.204	0.204	1.199	0.204	0.995	1.200

9.4 Conclusion

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

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10 INSTRUMENTS LIST

Equipment List					
Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Data acquisition Electronics	DAE4	1260	Sep/19/2024	Sep/18/2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3665	Sep/04/2024	Sep/03/2025
SPEAG	E-field Probe for Near Field Application	EUmmWV4	9635	Apr/16/2024	Apr/15/2025
SPEAG	System Validation Dipole	D2450V2	728	Aug/23/2024	Aug/22/2025
SPEAG	System Validation Dipole	D5GHzV2	1023	Jan/24/2024	Jan/23/2025
SPEAG	System Validation Dipole	D6.5GHzV2	1006	Aug/15/2024	Aug/14/2025
SPEAG	System Validation Dipole	D7GHzV2	1007	Aug/15/2024	Aug/14/2025
SPEAG	5G Verification Source 10GHz	5G-Veri10	1021	Jan/17/2024	Jan/16/2025
SPEAG	Dielectric Assessment Kit	DAK-3.5	1342	May/21/2024	May/20/2025
Keysight	EXA Signal Analyzer	N9010B	MY63440390	Feb/16/2024	Feb/15/2025
R&S	MXG Analog Signal Generator	SMB100A03	182012	May/21/2024	May/20/2025
Agilent	Dual-directional coupler	772D	MY46151258	Sep/30/2024	Sep/29/2025
Agilent	Dual-directional coupler	778D	MY46151242	Sep/03/2024	Sep/02/2025
EMCI	Amplifier	ZHL-42	980189	Calibration not required	Calibration not required
EMCI	Amplifier	ZVE-8G	980190	Calibration not required	Calibration not required
R&S	Power Meter	NRX	105651	Nov/11/2024	Nov/10/2025
R&S	Power Sensor	NRP6A	104247	Nov/11/2024	Nov/10/2025
R&S	Power Sensor	NRP6A	104246	Nov/11/2024	Nov/10/2025
SPEAG	Software	DASY 8 V16.0.2.83	N/A	Calibration not required	Calibration not required
SPEAG	Software	DASY 8 mmWave V3.0.0.841	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	mmWave Phantom	N/A	Calibration not required	Calibration not required
LKM	Digital thermometer	DTM3000	EC14010603	Nov/11/2024	Nov/10/2025
TECPEL	Digital thermometer	DTM-303A	TP130077	Oct/14/2024	Oct/13/2025

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11 UNCERTAINTY BUDGET

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

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
<i>Isotropy, Axial</i>	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	0.79%	N	1	1	0.64	0.43	0.51%	0.34%	M
Liquid Conductivity (mea.)	1.28%	N	1	1	0.6	0.49	0.77%	0.63%	M
Combined standard uncertainty		RSS					11.75%	11.73%	
Expart uncertainty (95% confidence interval), K=2							23.50%	23.46%	

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

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
<i>Isotropy , Axial</i>	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	0.64%	N	1	1	0.64	0.43	0.41%	0.28%	M
Liquid Conductivity (mea.)	2.88%	N	1	1	0.6	0.49	1.73%	1.41%	M
Combined standard uncertainty		RSS					11.55%	11.50%	
Expan uncertainty (95% confidence interval), K=2							23.11%	23.00%	

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

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

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

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

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12 SAR MEASUREMENT RESULTS

ID: 001

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11b_Body_Bottom Surface_CH 11_0mm_Main

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	2462.0, 11	7.45	1.862	39.435

Hardware Setup

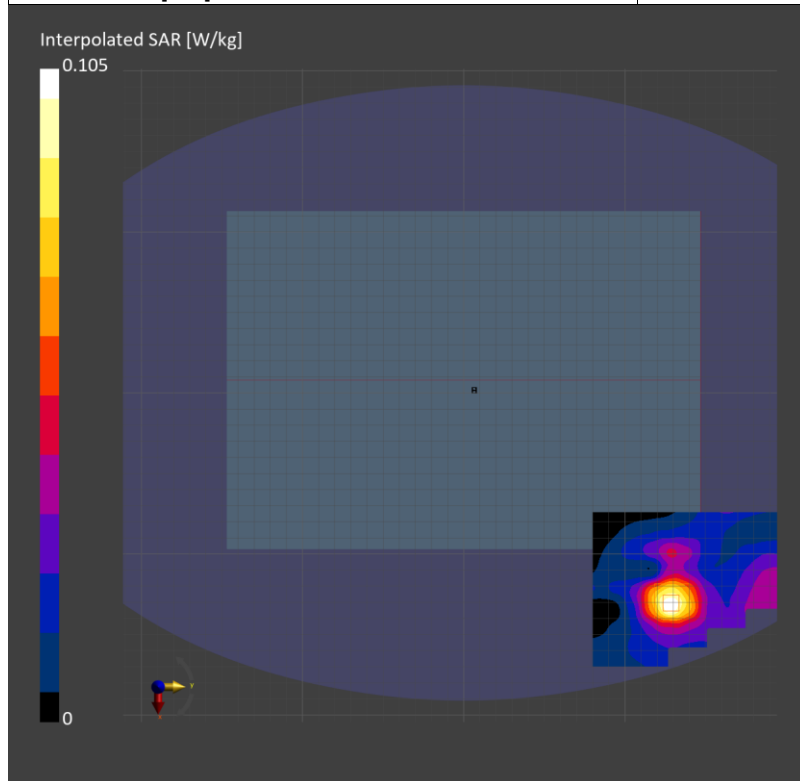
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-30	2024-11-30
psSAR1g [W/kg]	0.083	0.089
psSAR8g [W/kg]	0.046	0.047
psSAR10g [W/kg]	0.042	0.043
Power Drift [dB]	-0.04	-0.05
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		10.1



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ID: 002

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11n(20M) 5.2G_Body_Bottom Surface_CH 48_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	5240.0, 48	5.62	4.757	36.190

Hardware Setup

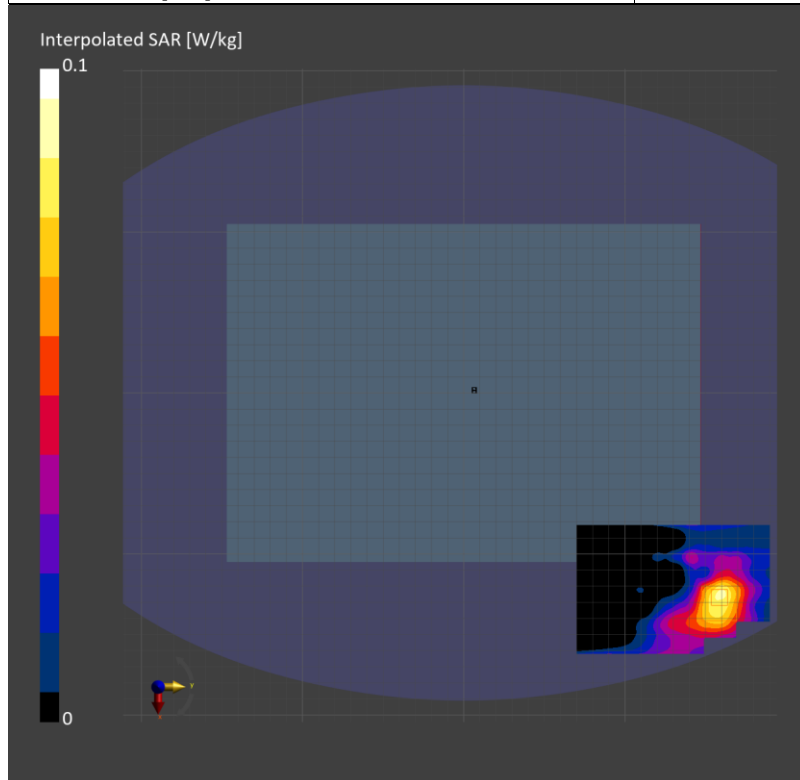
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-01	2024-12-01
psSAR1g [W/kg]	0.059	0.065
psSAR8g [W/kg]	0.027	0.031
psSAR10g [W/kg]	0.024	0.028
Power Drift [dB]	-0.05	0.03
M2/M1 [%]		52.6
Dist 3dB Peak [mm]		5.6



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ID: 004

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11n(40M) 5.3G_Body_Bottom Surface_CH 54_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	5270.0, 54	5.62	4.788	36.156

Hardware Setup

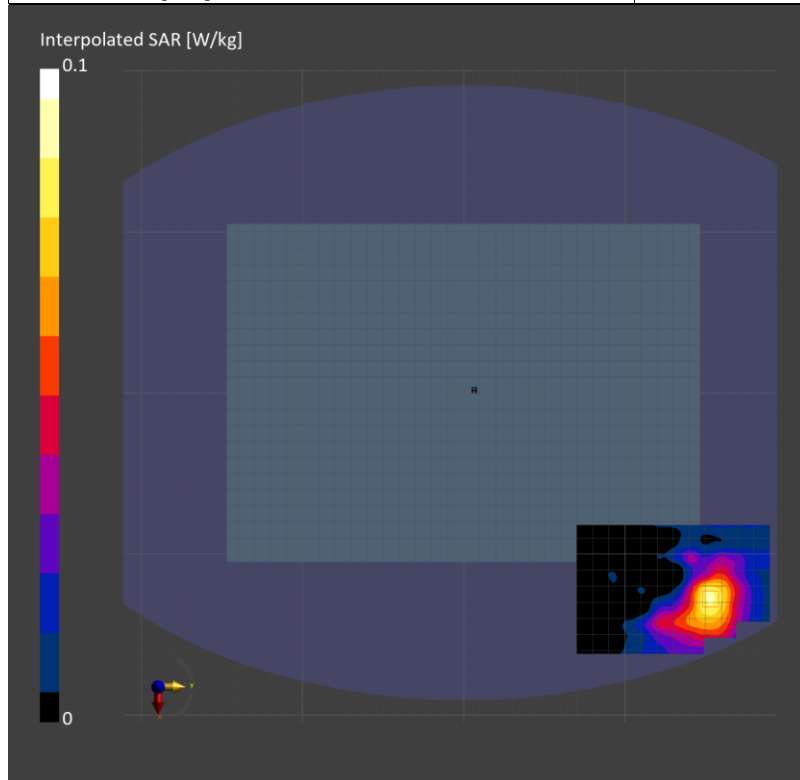
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-01	2024-12-01
psSAR1g [W/kg]	0.058	0.065
psSAR8g [W/kg]	0.025	0.031
psSAR10g [W/kg]	0.025	0.028
Power Drift [dB]	-0.04	0.02
M2/M1 [%]		57.1
Dist 3dB Peak [mm]		6.3



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ID: 005

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Bottom Surface_CH 138_0mm_Main

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	5690.0, 138	5.21	5.223	35.676

Hardware Setup

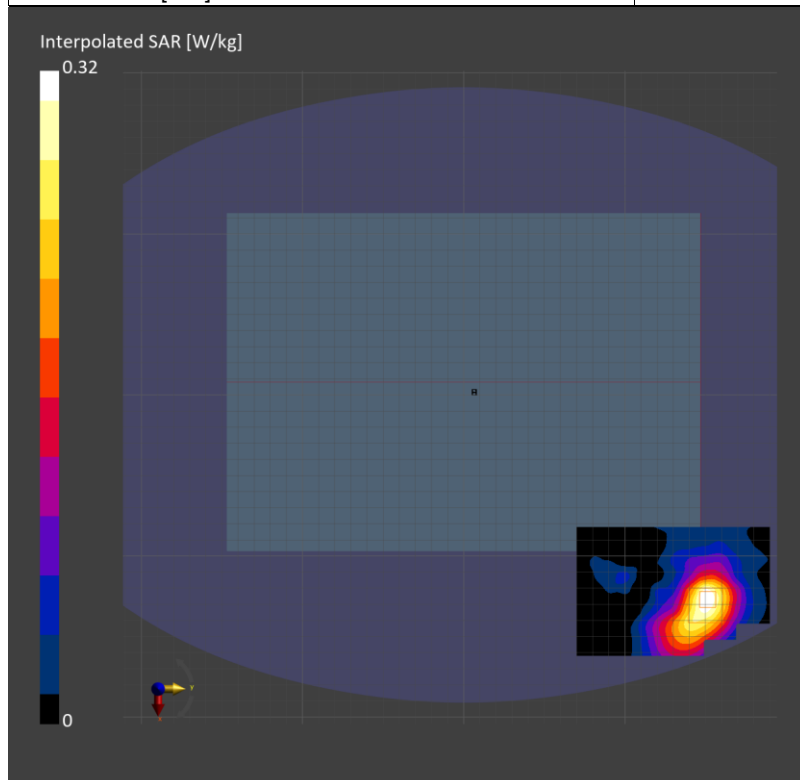
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.212	0.242
psSAR8g [W/kg]	0.091	0.111
psSAR10g [W/kg]	0.085	0.101
Power Drift [dB]	0.01	0.03
M2/M1 [%]		54.5
Dist 3dB Peak [mm]		5.8



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ID: 006

Report No. :TESA2411000725E5

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

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	5775.0, 155	5.20	5.312	35.579

Hardware Setup

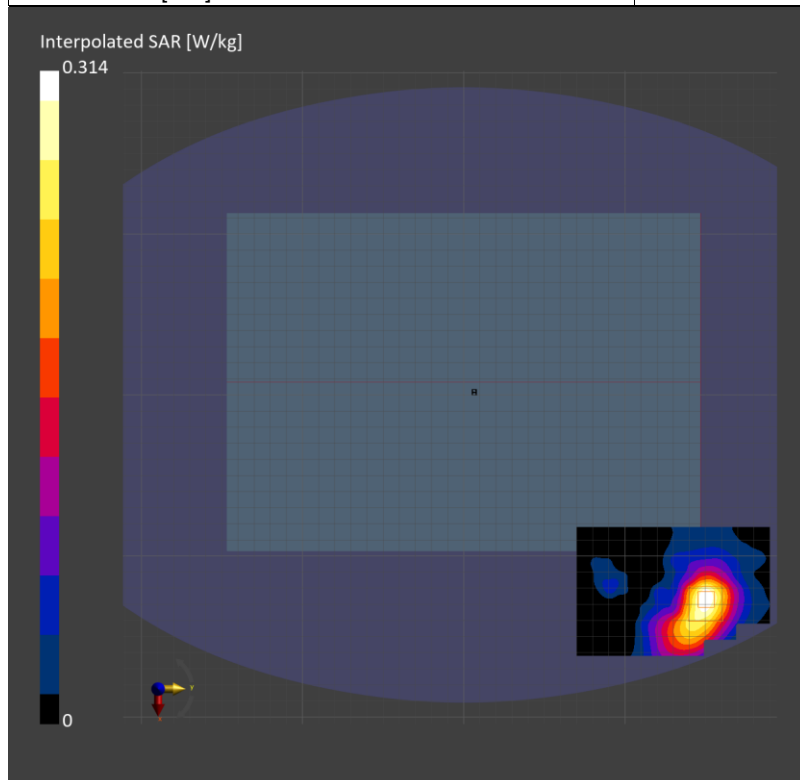
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.222	0.237
psSAR8g [W/kg]	0.101	0.108
psSAR10g [W/kg]	0.095	0.098
Power Drift [dB]	0.05	0.02
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		6.1



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ID: 007

Report No. :TESA2411000725E5

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

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	5855.0, 171	5.20	5.395	35.487

Hardware Setup

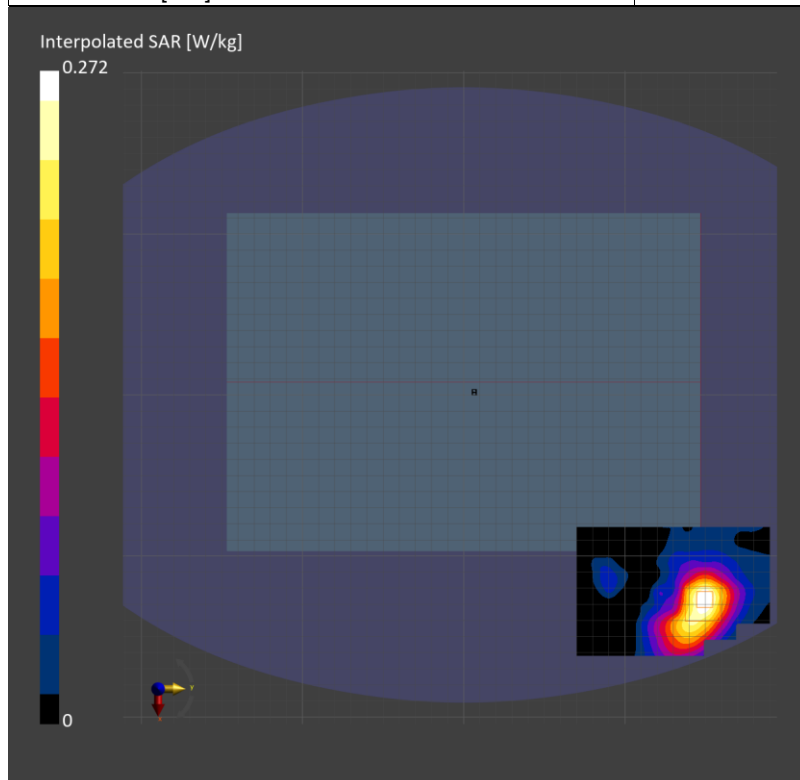
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.198	0.208
psSAR8g [W/kg]	0.089	0.095
psSAR10g [W/kg]	0.084	0.086
Power Drift [dB]	0.03	-0.05
M2/M1 [%]		58.3
Dist 3dB Peak [mm]		5.5



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ID: 008

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11b_Body_Bottom Surface_CH 6_0mm_Aux

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

Exposure Condition

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	7.45	1.840	39.473

Hardware Setup

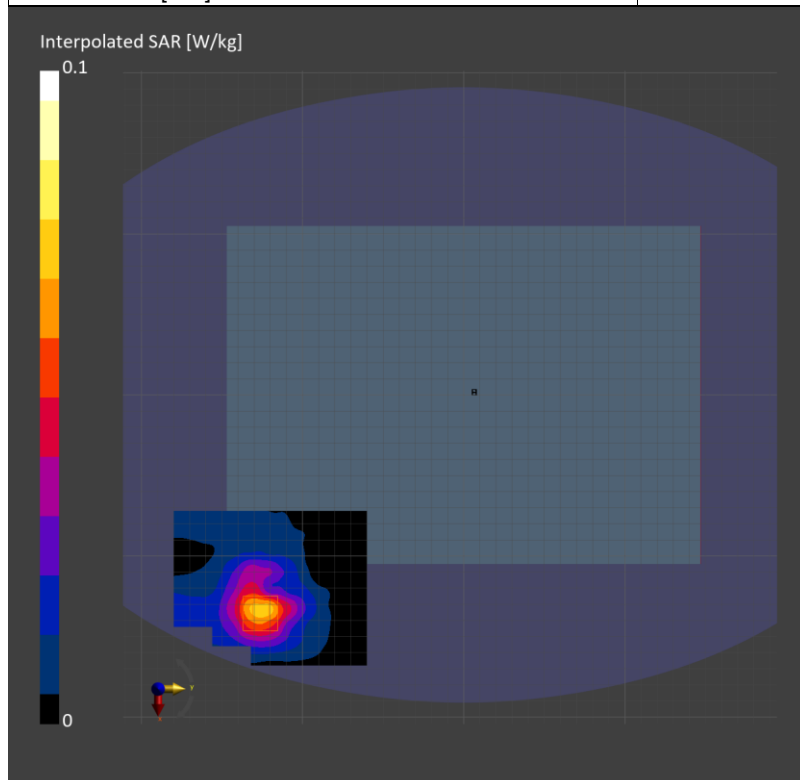
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-30	2024-11-30
psSAR1g [W/kg]	0.044	0.054
psSAR8g [W/kg]	0.026	0.033
psSAR10g [W/kg]	0.025	0.031
Power Drift [dB]	0.02	0.05
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		4.3



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ID: 009

Report No. : TESA2411000725E5

Measurement Report_Bluetooth(GFSK)_Body_Bottom Surface_CH 39_0mm_Aux

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

Exposure Condition

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	2441.0, 39	7.45	1.843	39.466

Hardware Setup

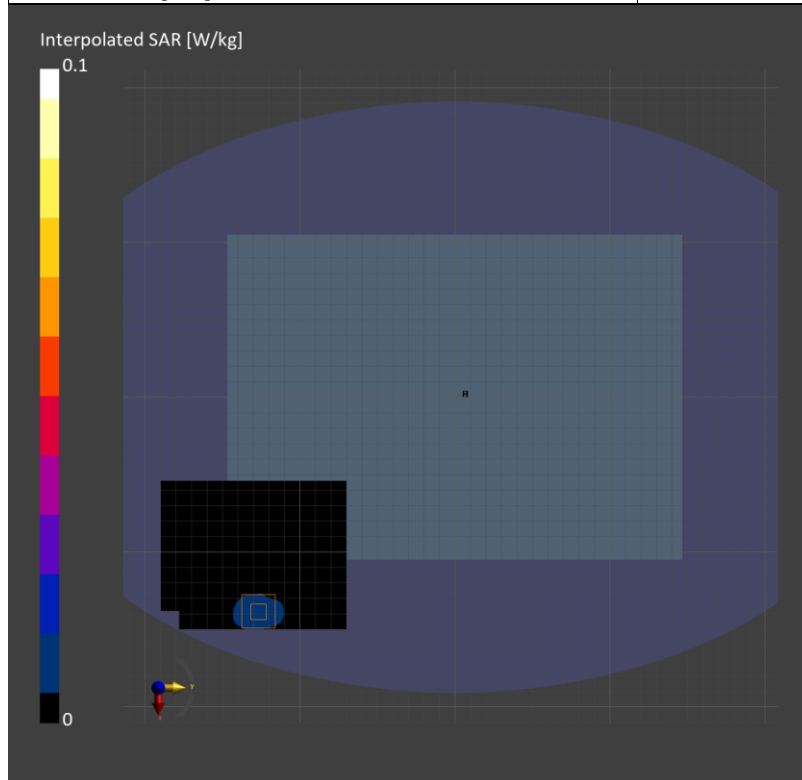
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-30	2024-11-30
psSAR1g [W/kg]	0.010	0.012
psSAR8g [W/kg]	0.005	0.007
psSAR10g [W/kg]	0.006	0.006
Power Drift [dB]	-0.01	-0.02
M2/M1 [%]		50.1
Dist 3dB Peak [mm]		6.1



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ID: 010

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11n(40M) 5.2G_Body_Bottom Surface_CH 46_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	5230.0, 46	5.62	4.746	36.201

Hardware Setup

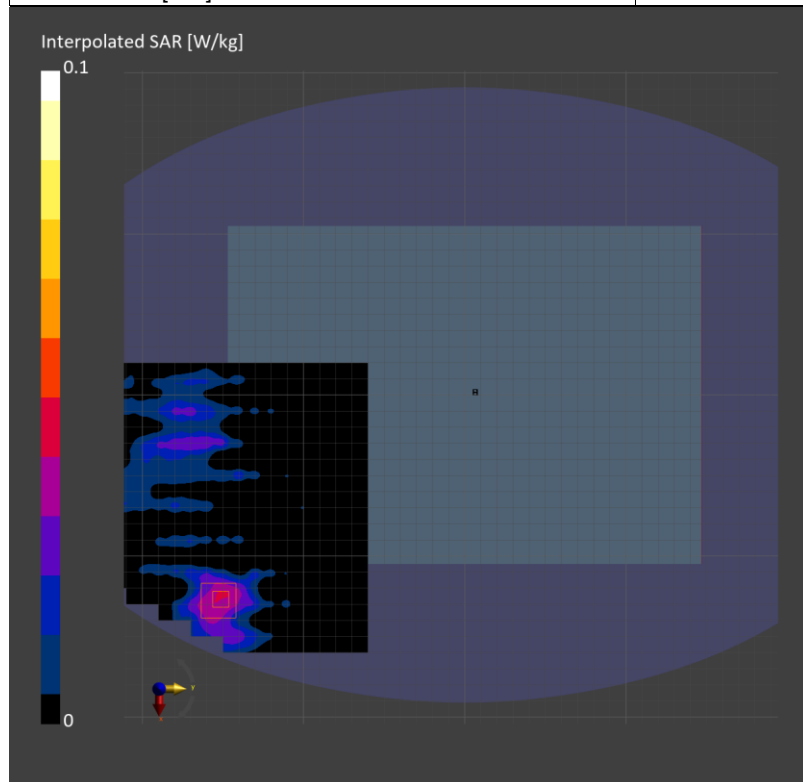
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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	2024-12-01	2024-12-01
psSAR1g [W/kg]	0.030	0.032
psSAR8g [W/kg]	0.015	0.015
psSAR10g [W/kg]	0.012	0.014
Power Drift [dB]	0.01	0.03
M2/M1 [%]		55.8
Dist 3dB Peak [mm]		5.9



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ID: 012

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11n(40M) 5.3G_Body_Bottom Surface_CH 54_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	5270.0, 54	5.62	4.788	36.156

Hardware Setup

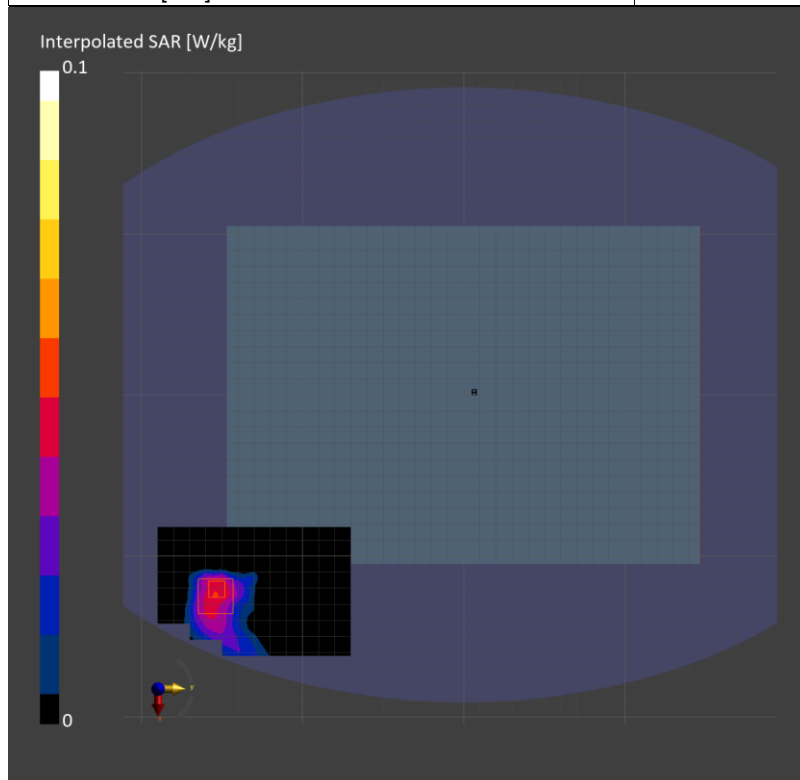
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-01	2024-12-01
psSAR1g [W/kg]	0.038	0.038
psSAR8g [W/kg]	0.018	0.018
psSAR10g [W/kg]	0.016	0.016
Power Drift [dB]	-0.05	0.03
M2/M1 [%]		55.4
Dist 3dB Peak [mm]		6.7



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ID: 013

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Bottom Surface_CH 138_0mm_Aux

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	5690.0, 138	5.21	5.223	35.676

Hardware Setup

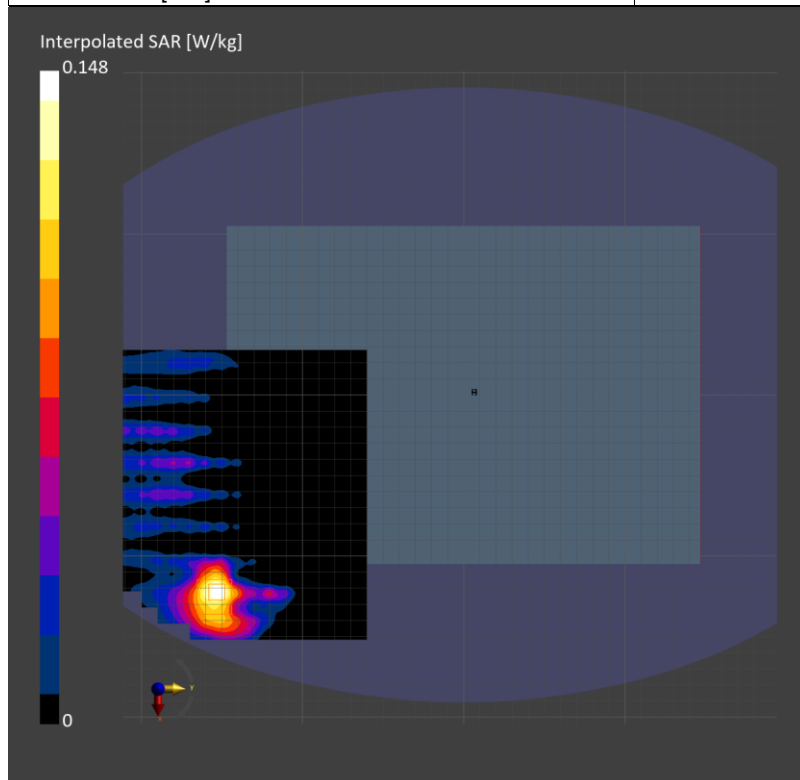
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.099	0.109
psSAR8g [W/kg]	0.042	0.048
psSAR10g [W/kg]	0.034	0.043
Power Drift [dB]	-0.02	0.04
M2/M1 [%]		56.4
Dist 3dB Peak [mm]		4.3



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ID: 014

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11n(40M) 5.8G_Body_Bottom Surface_CH 151_0mm_Aux

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	5755.0, 151	5.20	5.291	35.601

Hardware Setup

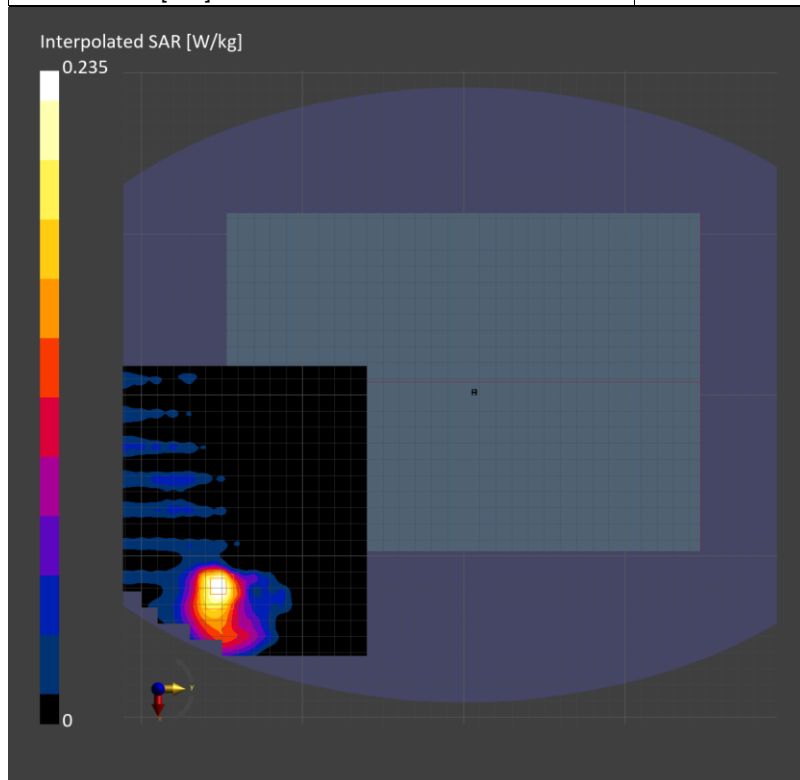
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.154	0.181
psSAR8g [W/kg]	0.078	0.080
psSAR10g [W/kg]	0.065	0.072
Power Drift [dB]	-0.01	0.03
M2/M1 [%]		58.4
Dist 3dB Peak [mm]		6.6



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ID: 015

Report No. :TESA2411000725E5

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

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	5855.0, 171	5.20	5.395	35.487

Hardware Setup

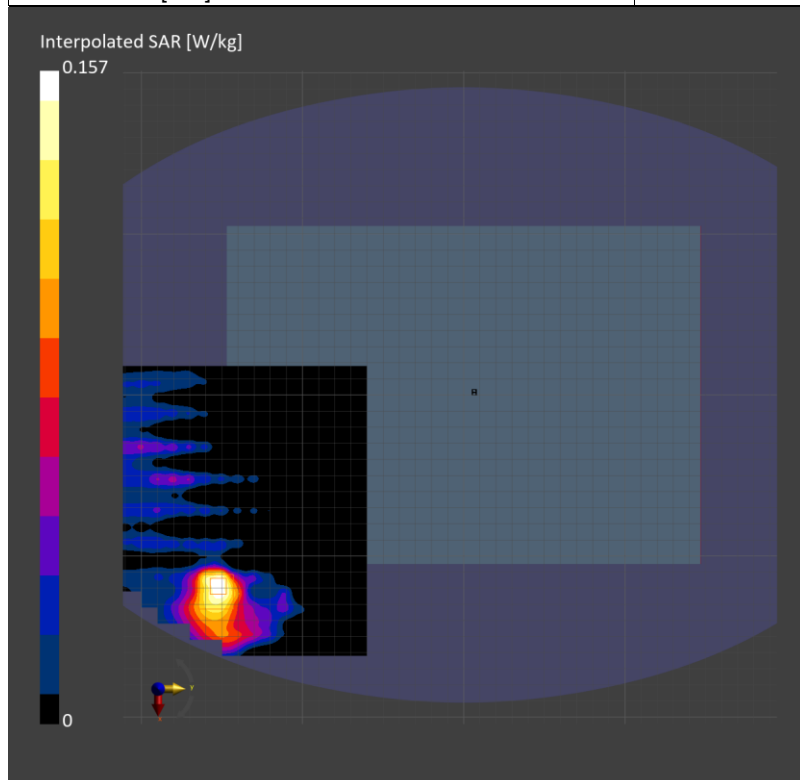
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 200.0	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	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.115	0.121
psSAR8g [W/kg]	0.051	0.054
psSAR10g [W/kg]	0.042	0.049
Power Drift [dB]	-0.04	0.05
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		4.2



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ID: 016

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11b_Body_Right Edge_CH 11_0mm_Main

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	2462.0, 11	7.45	1.862	39.435

Hardware Setup

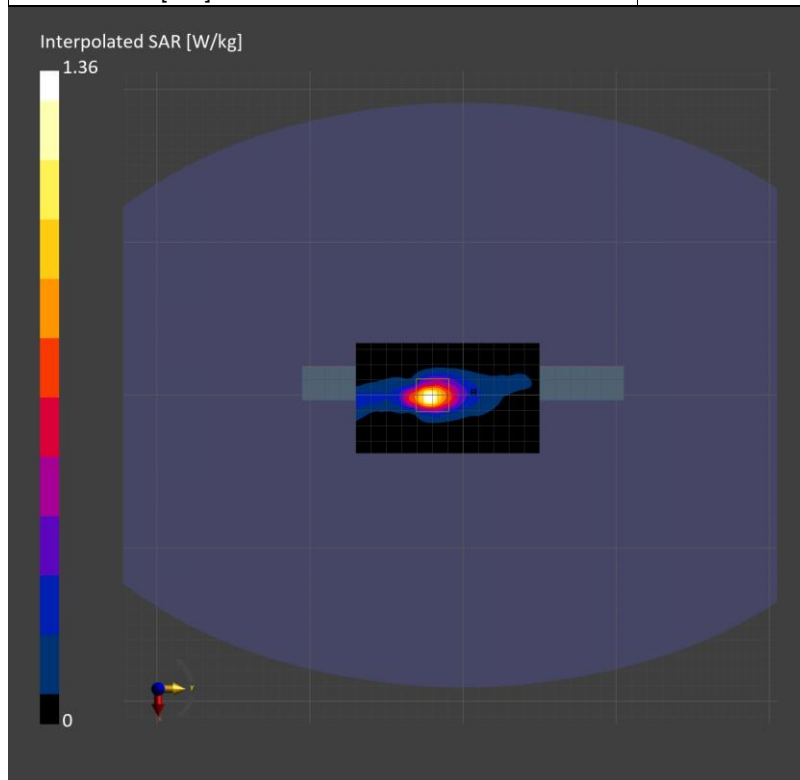
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	2024-11-30	2024-11-30
psSAR1g [W/kg]	0.892	0.968
psSAR8g [W/kg]	0.385	0.442
psSAR10g [W/kg]	0.312	0.394
Power Drift [dB]	-0.05	-0.03
M2/M1 [%]		55.4
Dist 3dB Peak [mm]		8.9



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ID: 017

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11ac(160M) 5.2G_Body_Right Edge_CH 50_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	Right Edge, 0.00	5250.0, 50	5.62	4.767	36.179

Hardware Setup

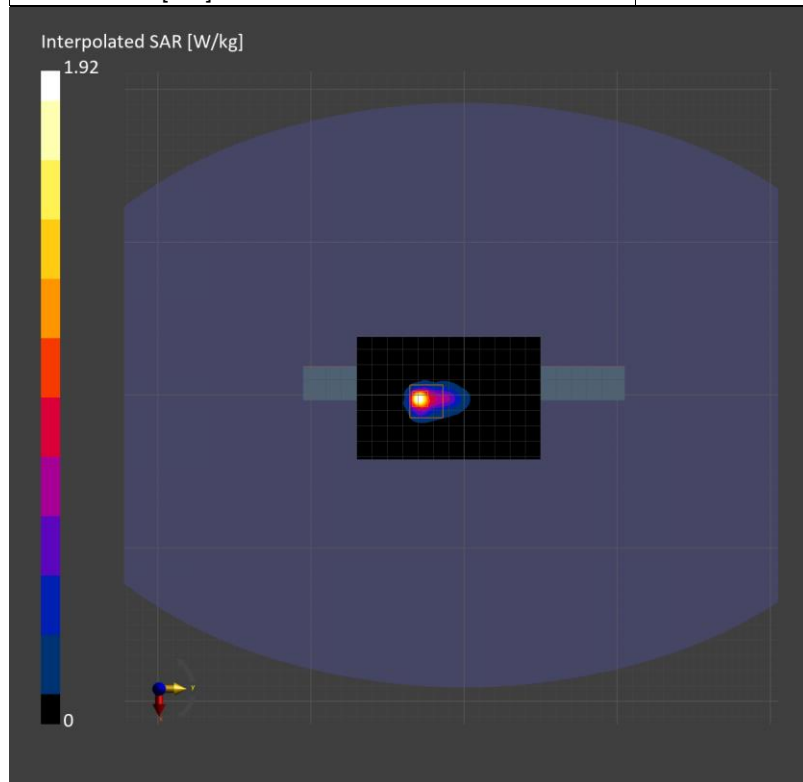
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-01	2024-12-01
psSAR1g [W/kg]	1.06	1.06
psSAR8g [W/kg]	0.298	0.324
psSAR10g [W/kg]	0.225	0.280
Power Drift [dB]	0.03	-0.01
M2/M1 [%]		52.4
Dist 3dB Peak [mm]		4.1



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ID: 018

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11ac(80M) 5.3G_Body_Right Edge_CH 58_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	Right Edge, 0.00	5290.0, 58	5.62	4.808	36.133

Hardware Setup

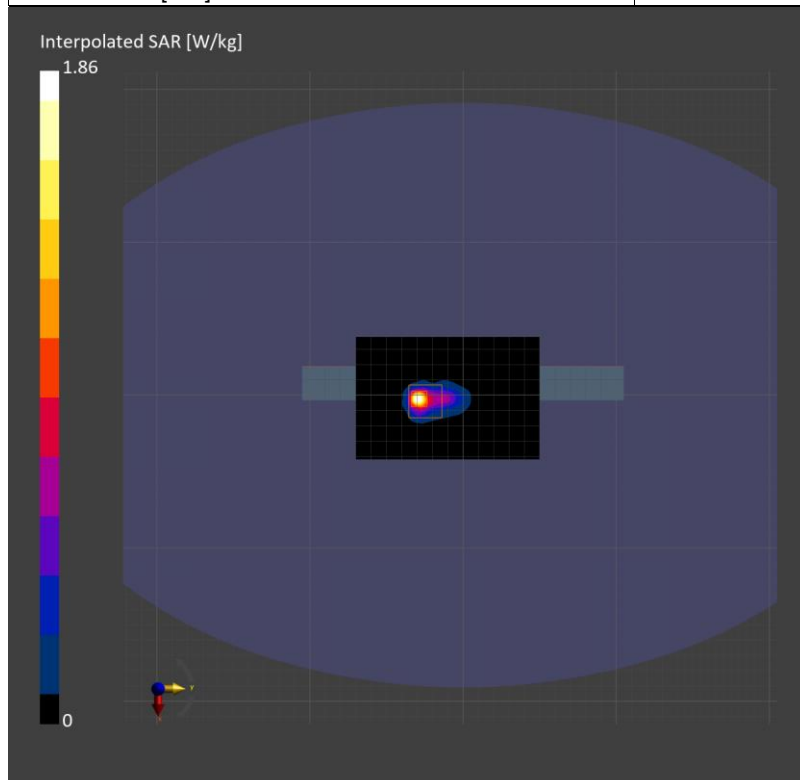
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-01	2024-12-01
psSAR1g [W/kg]	0.958	1.02
psSAR8g [W/kg]	0.294	0.313
psSAR10g [W/kg]	0.215	0.270
Power Drift [dB]	0.02	0.05
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		4.7



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ID: 019

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11ac(160M) 5.6G_Body_Right Edge_CH 114_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	Right Edge, 0.00	5570.0, 114	5.13	5.100	35.813

Hardware Setup

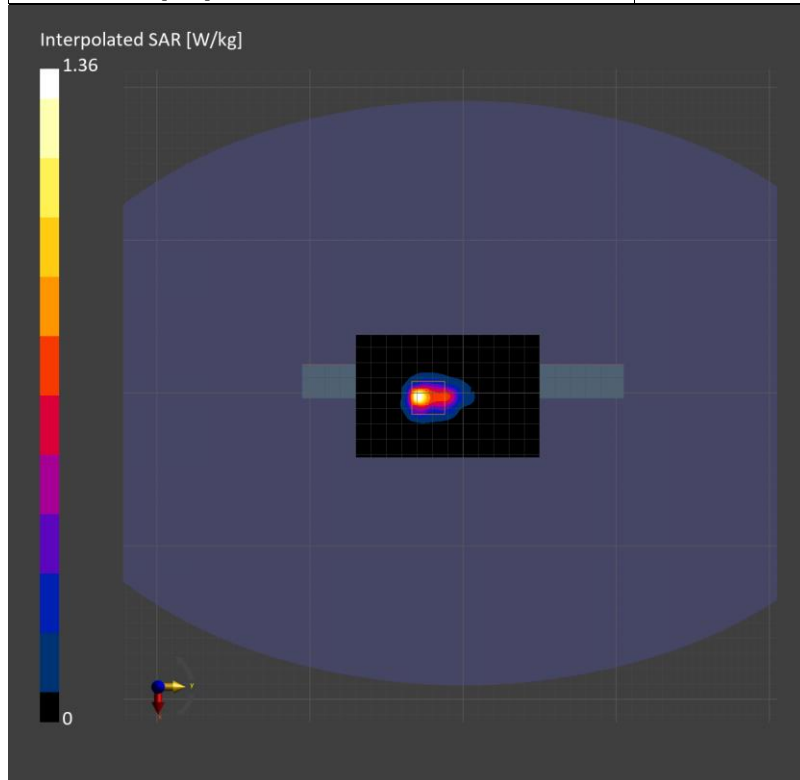
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-01	2024-12-01
psSAR1g [W/kg]	0.692	0.801
psSAR8g [W/kg]	0.211	0.272
psSAR10g [W/kg]	0.205	0.239
Power Drift [dB]	0.03	0.04
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		4.6



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ID: 021

Report No. :TESA2411000725E5

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

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5775.0, 155	5.20	5.312	35.579

Hardware Setup

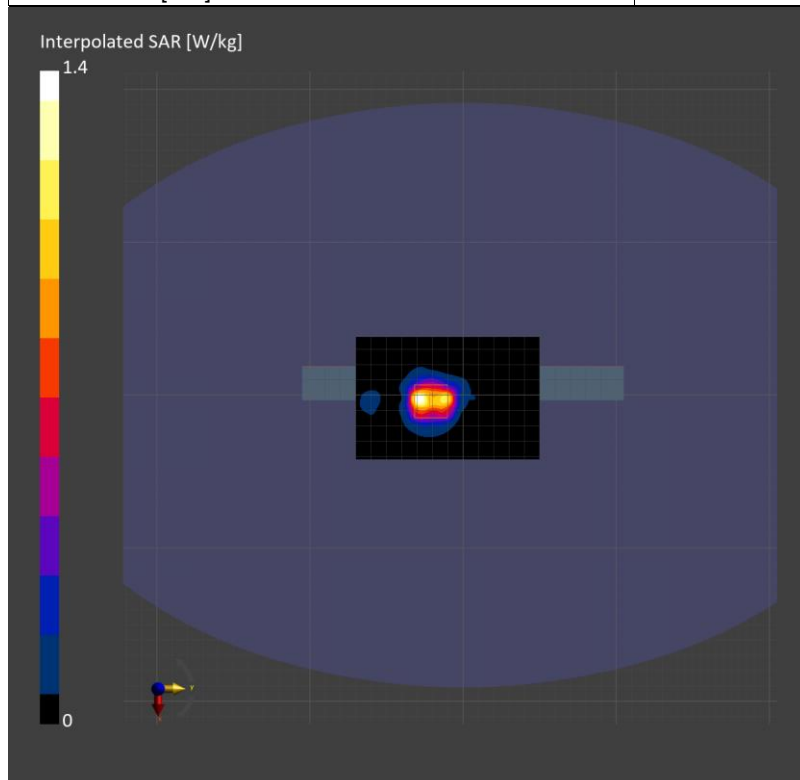
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.902	0.902
psSAR8g [W/kg]	0.362	0.362
psSAR10g [W/kg]	0.325	0.325
Power Drift [dB]	-0.01	-0.05
M2/M1 [%]		55.5
Dist 3dB Peak [mm]		4.6



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ID: 022

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11ac(160M) 5.9G_Body_Right Edge_CH 163_0mm_Main

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5815.0, 163	5.20	5.353	35.533

Hardware Setup

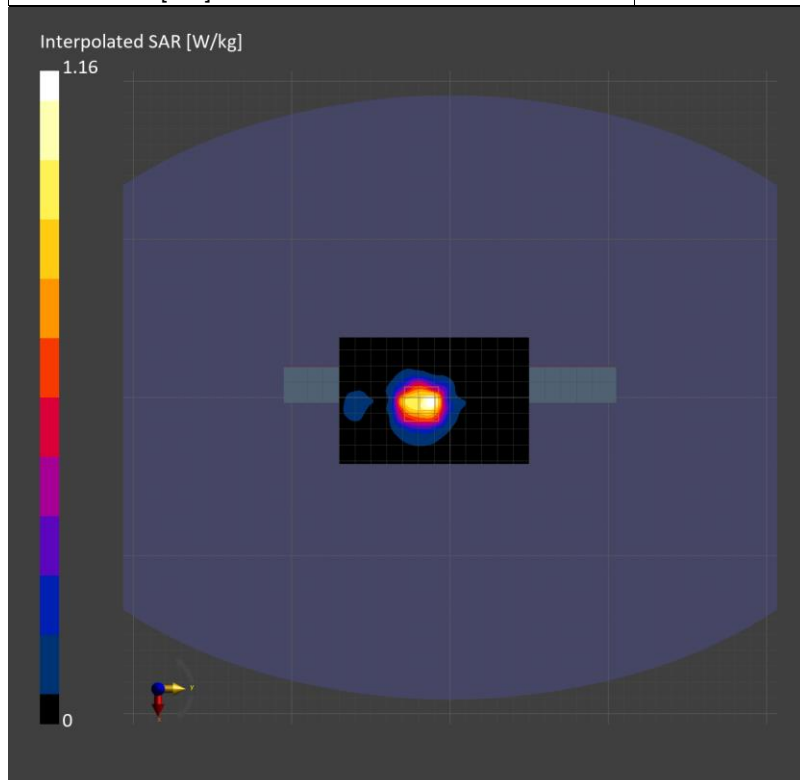
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.752	0.812
psSAR8g [W/kg]	0.291	0.343
psSAR10g [W/kg]	0.256	0.307
Power Drift [dB]	0.03	0.02
M2/M1 [%]		55.4
Dist 3dB Peak [mm]		4.5



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ID: 023

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11b_Body_Left Edge_CH 6_0mm_Aux

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	2437.0, 6	7.45	1.840	39.473

Hardware Setup

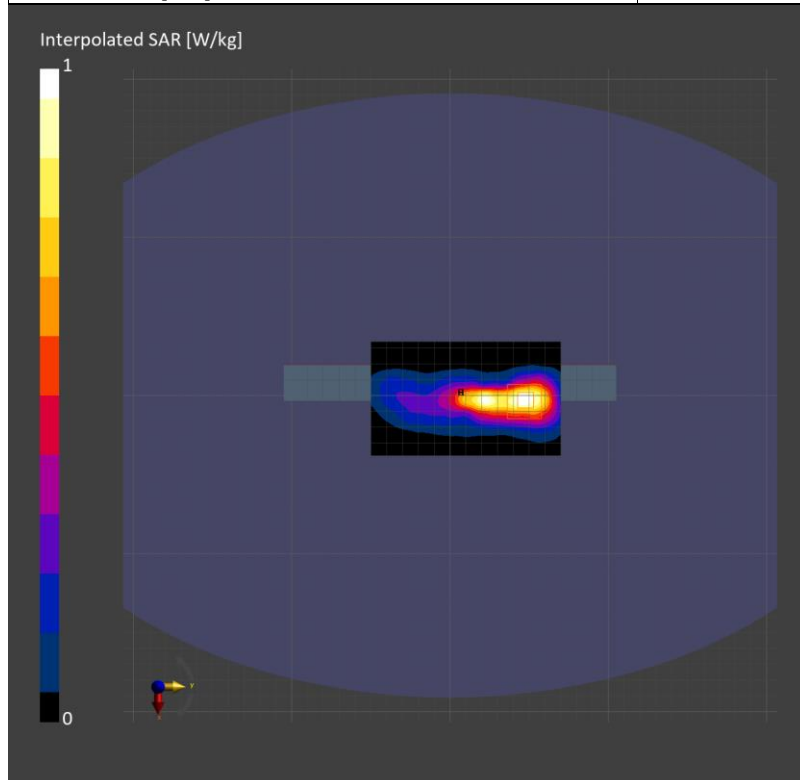
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	2024-11-30	2024-11-30
psSAR1g [W/kg]	0.688	0.770
psSAR8g [W/kg]	0.415	0.415
psSAR10g [W/kg]	0.378	0.378
Power Drift [dB]	-0.14	-0.04
M2/M1 [%]		58.3
Dist 3dB Peak [mm]		5.6



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ID: 024

Report No. :TESA2411000725E5

Measurement Report_Bluetooth(GFSK)_Body_Left Edge_CH 39_0mm_Aux

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	2441.0, 39	7.45	1.843	39.466

Hardware Setup

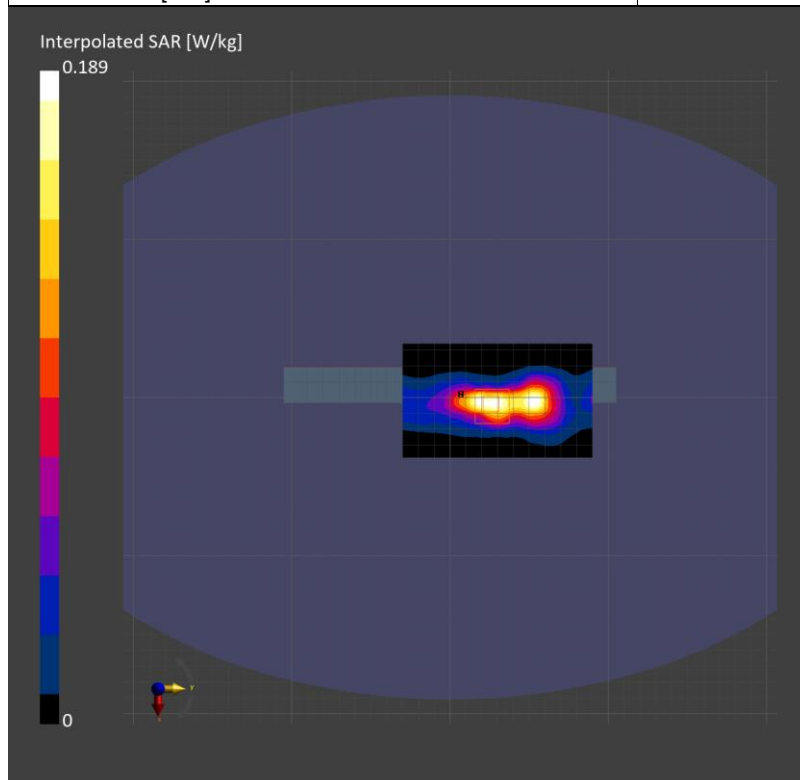
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-11-30	2024-11-30
psSAR1g [W/kg]	0.144	0.155
psSAR8g [W/kg]	0.076	0.084
psSAR10g [W/kg]	0.069	0.076
Power Drift [dB]	0.04	0.01
M2/M1 [%]		76.9
Dist 3dB Peak [mm]		9.5



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ID: 025

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11ac(160M) 5.2G_Body_Left Edge_CH 50_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	Left Edge, 0.00	5250.0, 50	5.62	4.767	36.179

Hardware Setup

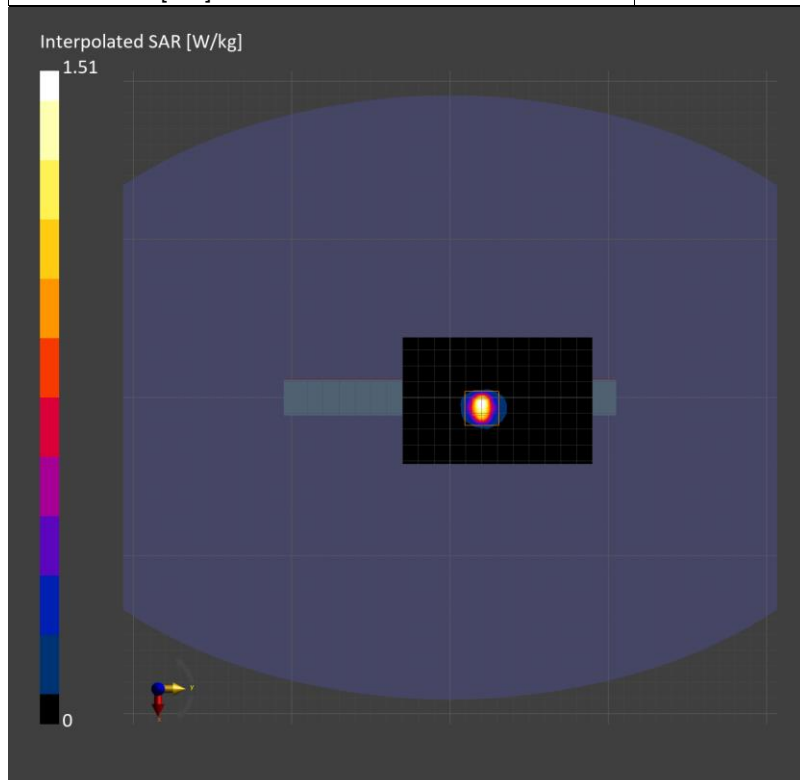
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-01	2024-12-01
psSAR1g [W/kg]	0.940	0.973
psSAR8g [W/kg]	0.261	0.292
psSAR10g [W/kg]	0.223	0.246
Power Drift [dB]	-0.03	-0.04
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		4.4



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ID: 026

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11ac(80M) 5.3G_Body_Left Edge_CH 58_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	Left Edge, 0.00	5290.0, 58	5.62	4.808	36.133

Hardware Setup

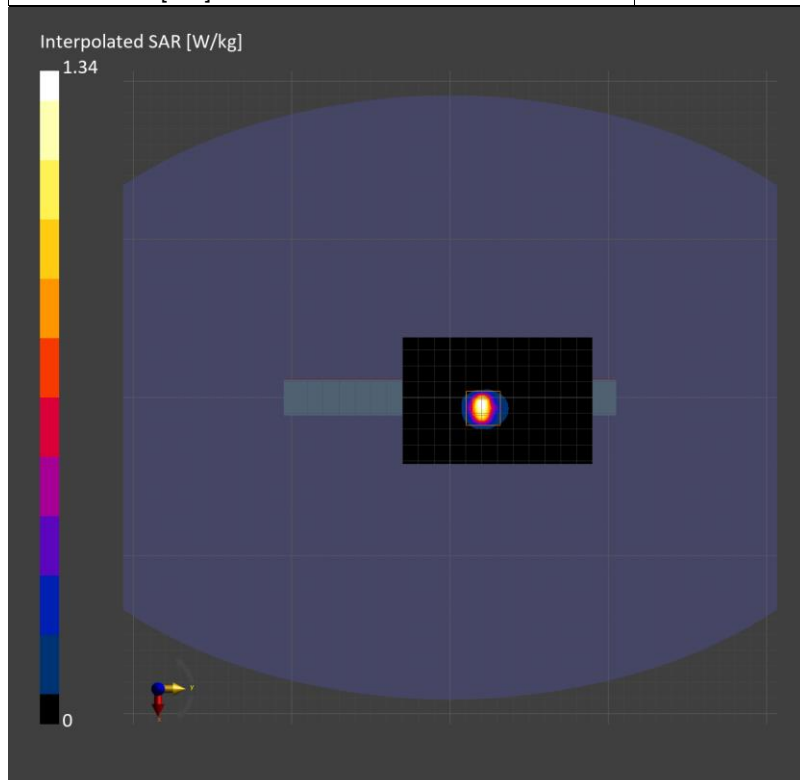
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-01	2024-12-01
psSAR1g [W/kg]	0.845	0.871
psSAR8g [W/kg]	0.235	0.263
psSAR10g [W/kg]	0.208	0.221
Power Drift [dB]	-0.02	-0.04
M2/M1 [%]		59.8
Dist 3dB Peak [mm]		6.6



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ID: 027

Report No. :TESA2411000725E5

Measurement Report_WLAN 802.11ac(160M) 5.6G_Body_Left Edge_CH 114_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	Left Edge, 0.00	5570.0, 114	5.13	5.100	35.813

Hardware Setup

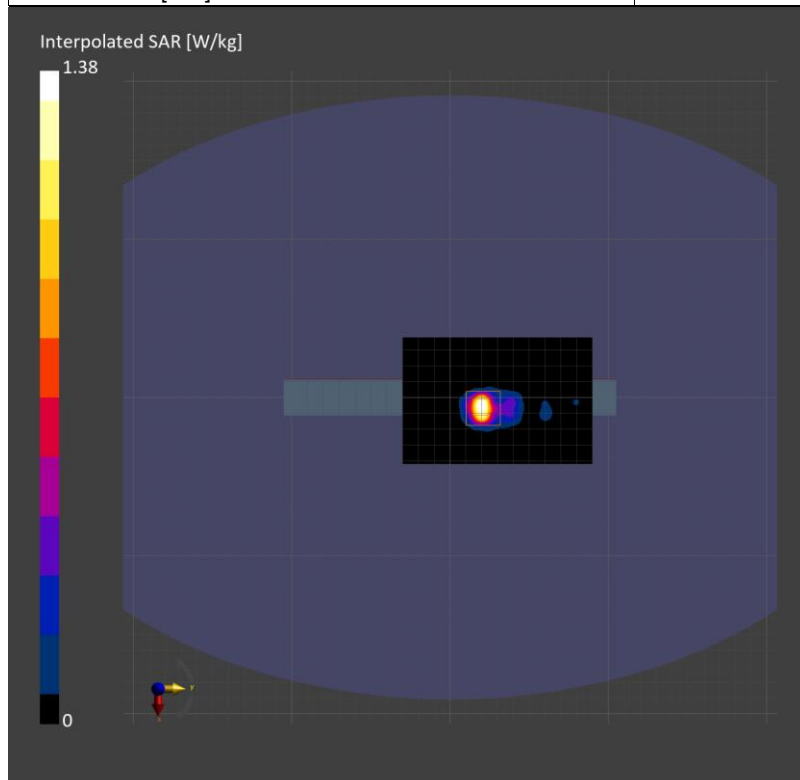
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-01	2024-12-01
psSAR1g [W/kg]	0.887	0.940
psSAR8g [W/kg]	0.283	0.302
psSAR10g [W/kg]	0.230	0.257
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		57.3
Dist 3dB Peak [mm]		4.9



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ID: 029

Report No. :TESA2411000725E5

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

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5775.0, 155	5.20	5.312	35.579

Hardware Setup

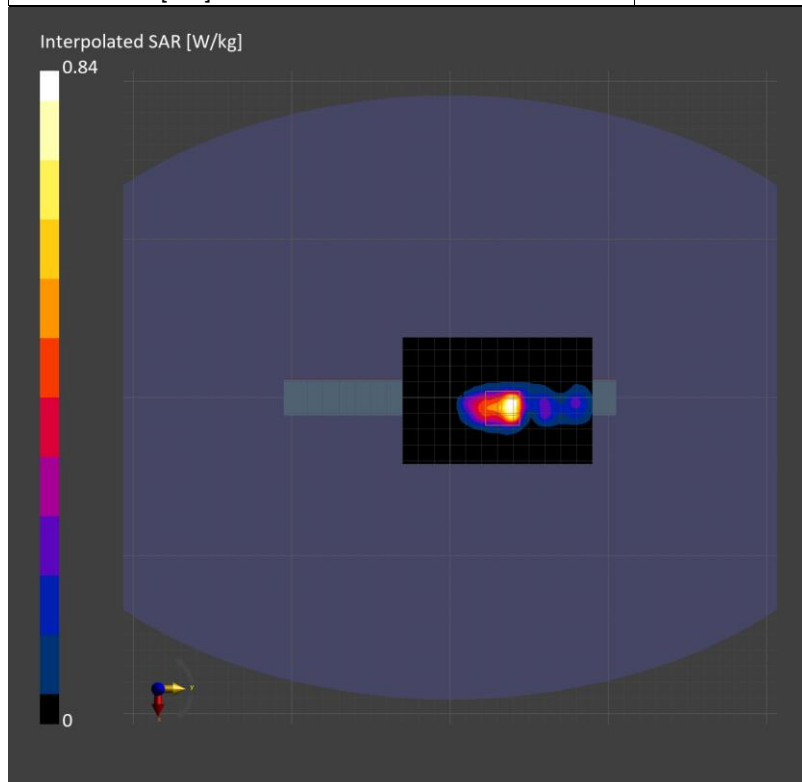
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.511	0.582
psSAR8g [W/kg]	0.201	0.213
psSAR10g [W/kg]	0.163	0.187
Power Drift [dB]	-0.02	-0.03
M2/M1 [%]		55.8
Dist 3dB Peak [mm]		5.6



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Report No. :TESA2411000725E5

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

Ambient temperature: 22.4°C; Liquid tem perature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5815.0, 163	5.20	5.353	35.533

Hardware Setup

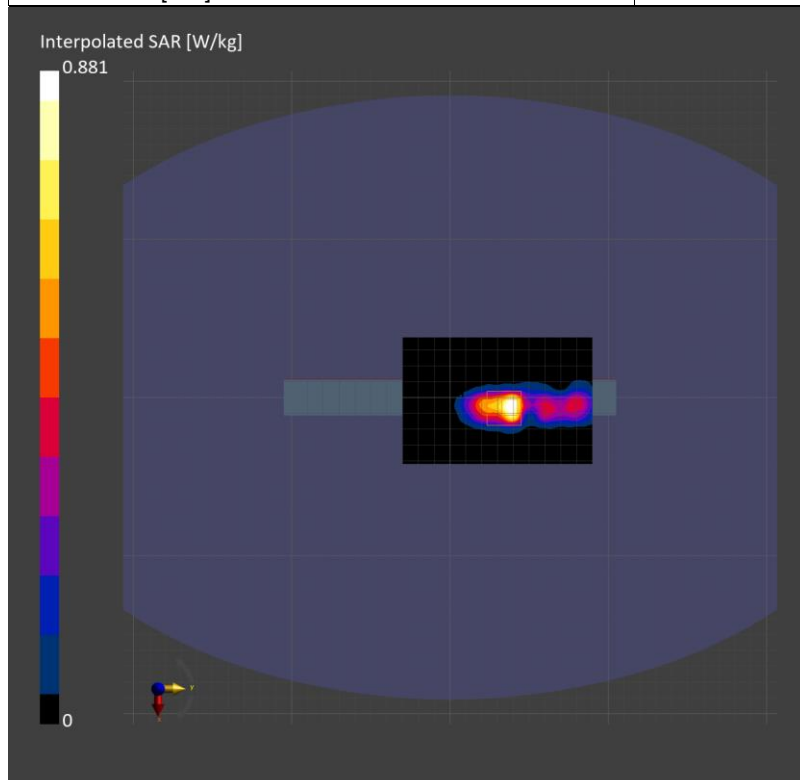
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 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	2024-12-02	2024-12-02
psSAR1g [W/kg]	0.601	0.639
psSAR8g [W/kg]	0.213	0.238
psSAR10g [W/kg]	0.185	0.209
Power Drift [dB]	-0.01	-0.02
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		6.2



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ID: 031

Report No. :TESA2411000725E5

Measurement Report_U-NII-5 6.2GHz 802.11ax(40M)_Body_Bottom Surface_CH 3_0mm_Main

Ambient temperature: 22.7°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	5965.0, 3	5.38	5.510	35.361

Hardware Setup

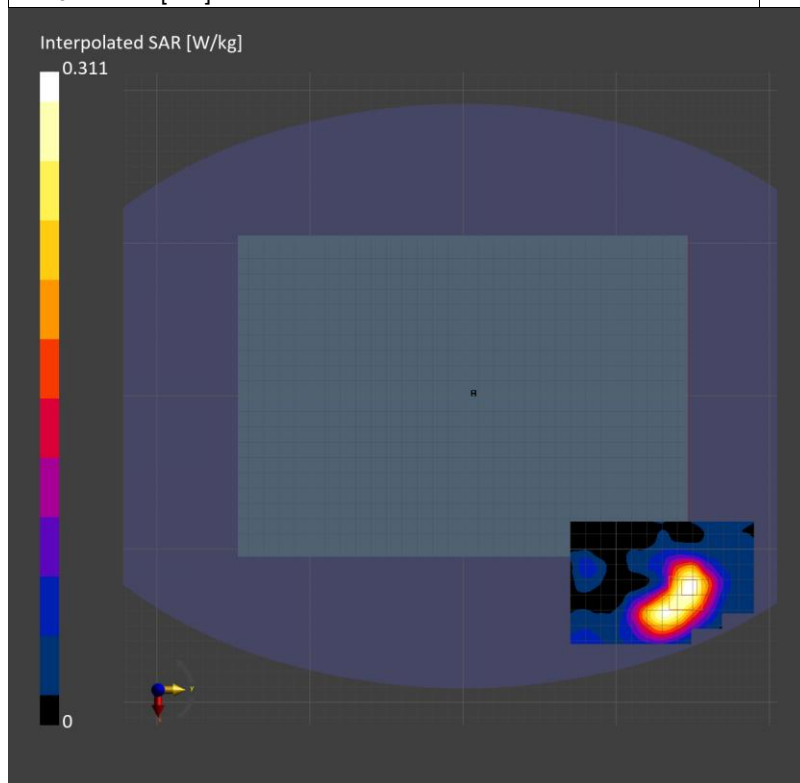
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-03	2024-12-03
psSAR1g [W/kg]	0.245	0.254
psSAR8g [W/kg]	0.110	0.113
psSAR10g [W/kg]	0.100	0.102
psPDab (4.0cm2, sq) [W/m2]		2.27
Power Drift [dB]	-0.01	-0.04
M2/M1 [%]		52.1
Dist 3dB Peak [mm]		10.4



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ID: 032

Report No. :TESA2411000725E5

Measurement Report_U-NII-6 6.5GHz 802.11be(320M)_Body_Bottom Surface_CH 95_0mm_Main

Ambient temperature: 22.7°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6425.0, 39	5.38	5.995	34.811

Hardware Setup

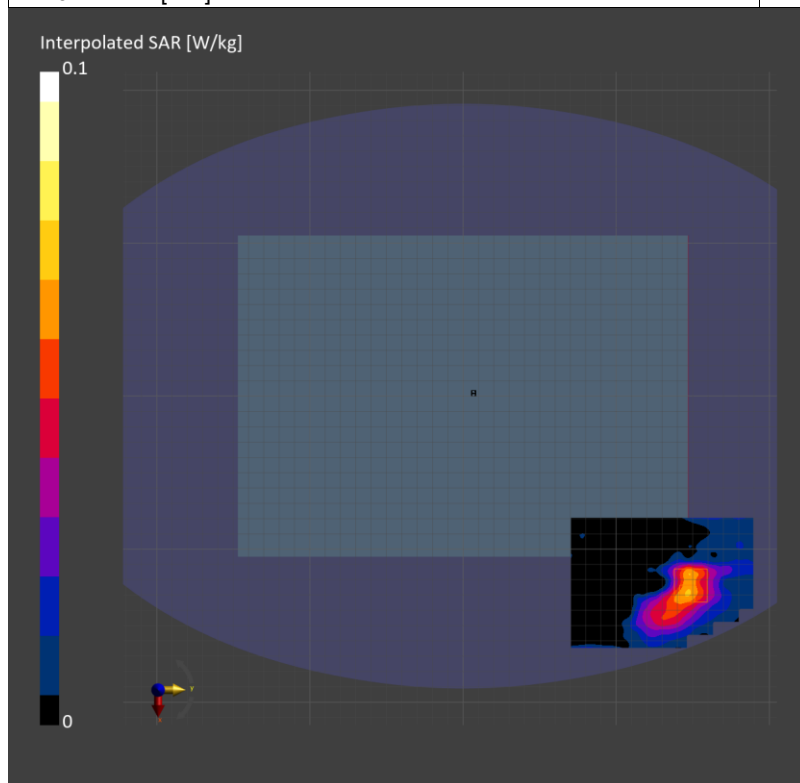
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-03	2024-12-03
psSAR1g [W/kg]	0.041	0.053
psSAR8g [W/kg]	0.018	0.024
psSAR10g [W/kg]	0.015	0.022
psPDab (4.0cm2, sq) [W/m2]		0.488
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		55.4
Dist 3dB Peak [mm]		8.8



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ID: 033

Report No. :TESA2411000725E5

Measurement Report_U-NII-7 6.7GHz 802.11ax(40M)_Body_Bottom Surface_CH 147_0mm_Main

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6685.0, 147	5.38	6.273	34.499

Hardware Setup

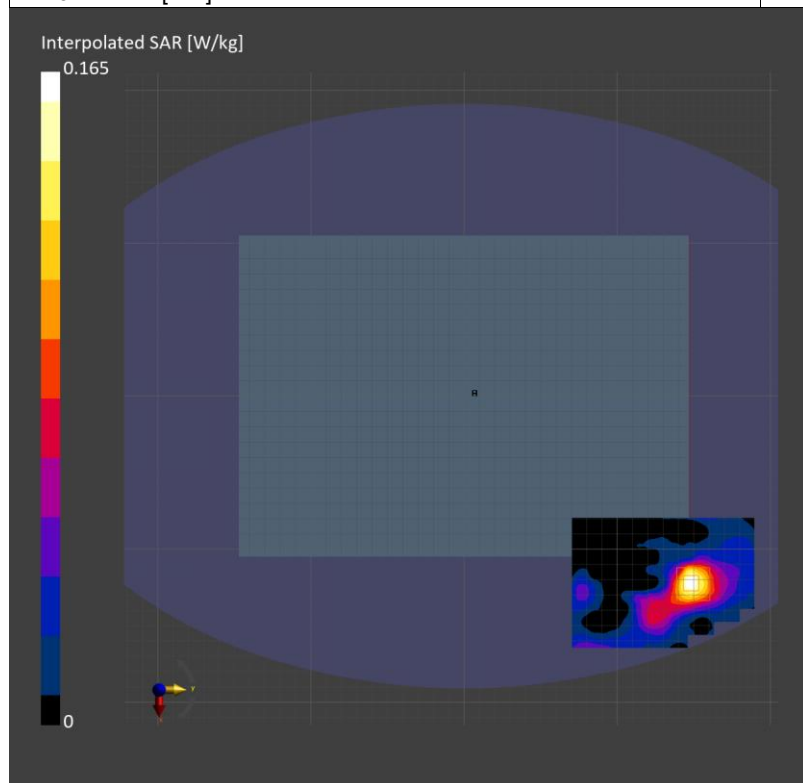
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-04	2024-12-04
psSAR1g [W/kg]	0.125	0.130
psSAR8g [W/kg]	0.048	0.054
psSAR10g [W/kg]	0.042	0.048
psPDab (4.0cm2, sq) [W/m2]		1.16
Power Drift [dB]	-0.02	-0.04
M2/M1 [%]		50.5
Dist 3dB Peak [mm]		9.5



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ID: 034

Report No. :TESA2411000725E5

Measurement Report_U-NII-8 7.0GHz 802.11be(320M)_Body_Bottom Surface_CH 191_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	6905.0, 191	5.38	6.511	34.235

Hardware Setup

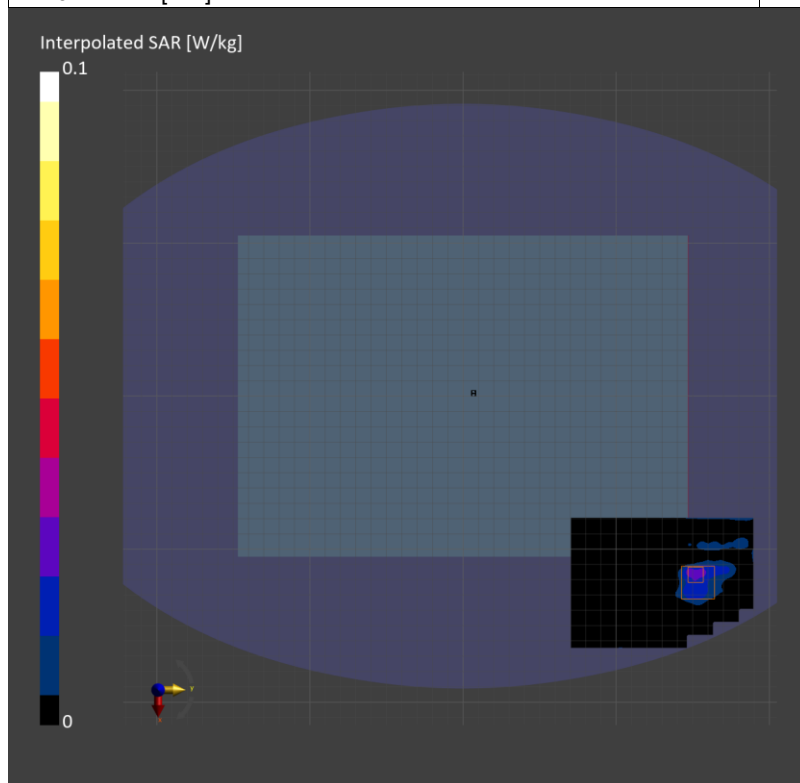
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-04	2024-12-04
psSAR1g [W/kg]	0.019	0.023
psSAR8g [W/kg]	0.005	0.01
psSAR10g [W/kg]	0.008	0.009
psPDab (4.0cm2, sq) [W/m2]		0.254
Power Drift [dB]	-0.02	-0.01
M2/M1 [%]		50.1
Dist 3dB Peak [mm]		4.2



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ID: 035

Report No. :TESA2411000725E5

Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Bottom Surface_CH 15_0mm_Aux

Ambient temperature: 22.7°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6025.0, 15	5.66	5.572	35.291

Hardware Setup

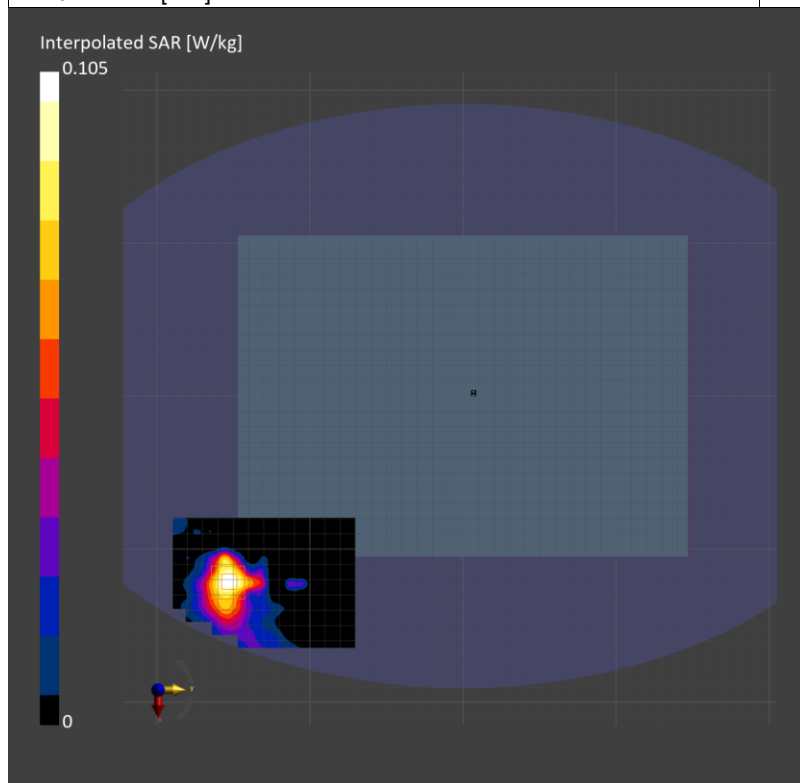
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-03	2024-12-03
psSAR1g [W/kg]	0.080	0.088
psSAR8g [W/kg]	0.034	0.038
psSAR10g [W/kg]	0.031	0.034
psPDab (4.0cm2, sq) [W/m2]		0.756
Power Drift [dB]	-0.03	-0.05
M2/M1 [%]		54.5
Dist 3dB Peak [mm]		9.1



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ID: 036

Report No. :TESA2411000725E5

Measurement Report_U-NII-6 6.5GHz 802.11be(320M)_Body_Bottom Surface_CH 95_0mm_Aux

Ambient temperature: 22.7°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Surface, 0.00	6425.0, 95	5.38	5.995	34.811

Hardware Setup

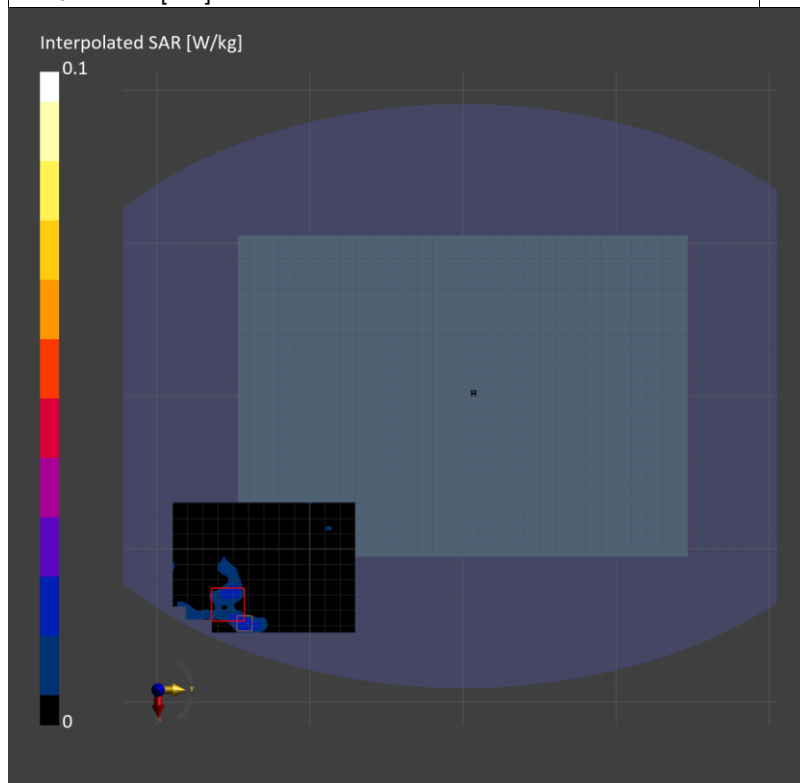
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-03	2024-12-03
psSAR1g [W/kg]	0.018	0.018
psSAR8g [W/kg]	0.005	0.005
psSAR10g [W/kg]	0.005	0.005
psPDab (4.0cm2, sq) [W/m2]		0.158
Power Drift [dB]	-0.04	-0.02
M2/M1 [%]		51.2
Dist 3dB Peak [mm]		8.7



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ID: 037

Report No. :TESA2411000725E5

Measurement Report_U-NII-7 6.7GHz 802.11ax(80M)_Body_Bottom Surface_CH 167_0mm_Aux

Ambient temperature: 22.6°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	6785.0, 167	5.38	6.381	34.379

Hardware Setup

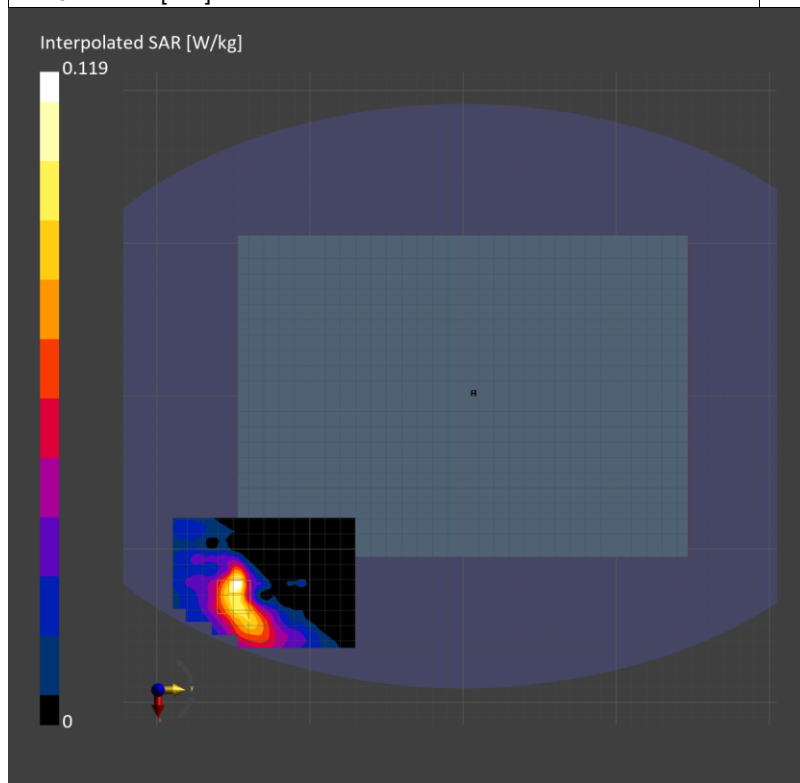
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-04	2024-12-04
psSAR1g [W/kg]	0.083	0.087
psSAR8g [W/kg]	0.031	0.037
psSAR10g [W/kg]	0.029	0.033
psPDab (4.0cm2, sq) [W/m2]		0.733
Power Drift [dB]	-0.03	-0.01
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		8.5



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ID: 038

Report No. :TESA2411000725E5

Measurement Report_U-NII-8 7.0GHz 802.11be(320M)_Body_Bottom Surface_CH 191_0mm_Aux

Ambient temperature: 22.6°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	6905.0, 191	5.66	6.511	34.235

Hardware Setup

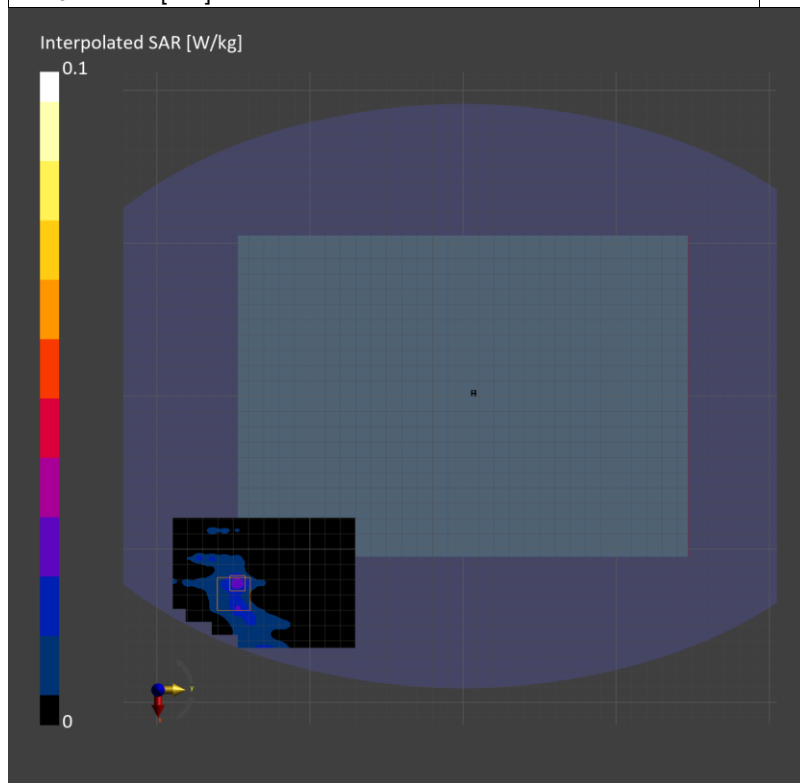
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-04	2024-12-04
psSAR1g [W/kg]	0.020	0.022
psSAR8g [W/kg]	0.007	0.008
psSAR10g [W/kg]	0.008	0.008
psPDab (4.0cm2, sq) [W/m2]		0.212
Power Drift [dB]	-0.04	-0.05
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		9.6



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ID: 039

Report No. :TESA2411000725E5

Measurement Report_U-NII-5 6.2GHz 802.11be(320M)_Body_Right Edge_CH 63_0mm_Main

Ambient temperature: 22.7°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	6265.0, 63	5.38	5.825	35.003

Hardware Setup

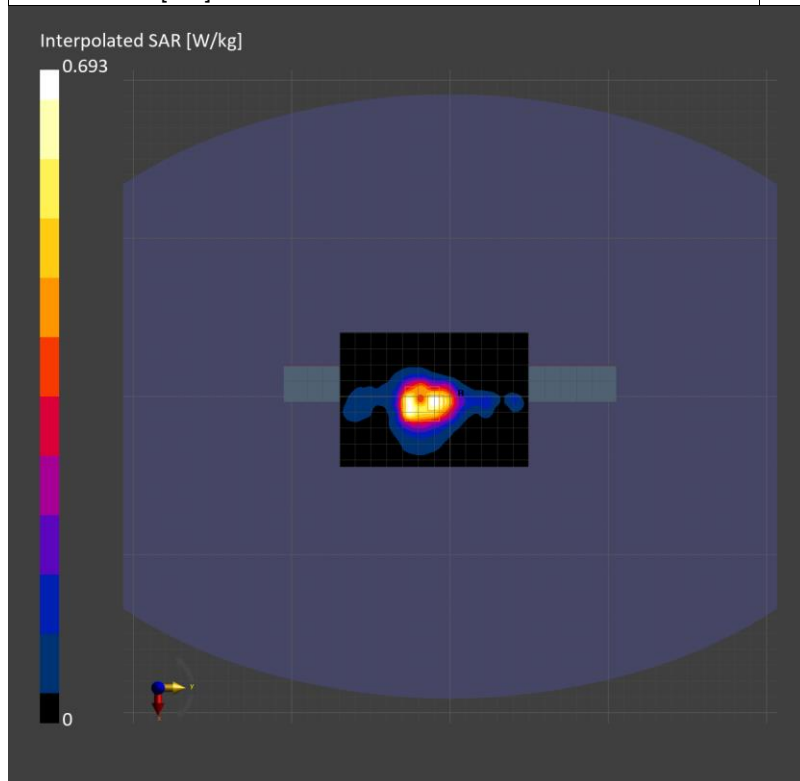
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-03	2024-12-03
psSAR1g [W/kg]	0.424	0.496
psSAR8g [W/kg]	0.205	0.215
psSAR10g [W/kg]	0.184	0.196
psPDab (4.0cm2, sq) [W/m2]		3.69
Power Drift [dB]	0.04	0.02
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		4.4



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ID: 040

Report No. :TESA2411000725E5

Measurement Report_U-NII-6 6.5GHz 802.11be(320M)_Body_Right Edge_CH 95_0mm_Main

Ambient temperature: 22.7°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	6425.0, 95	5.38	5.995	34.811

Hardware Setup

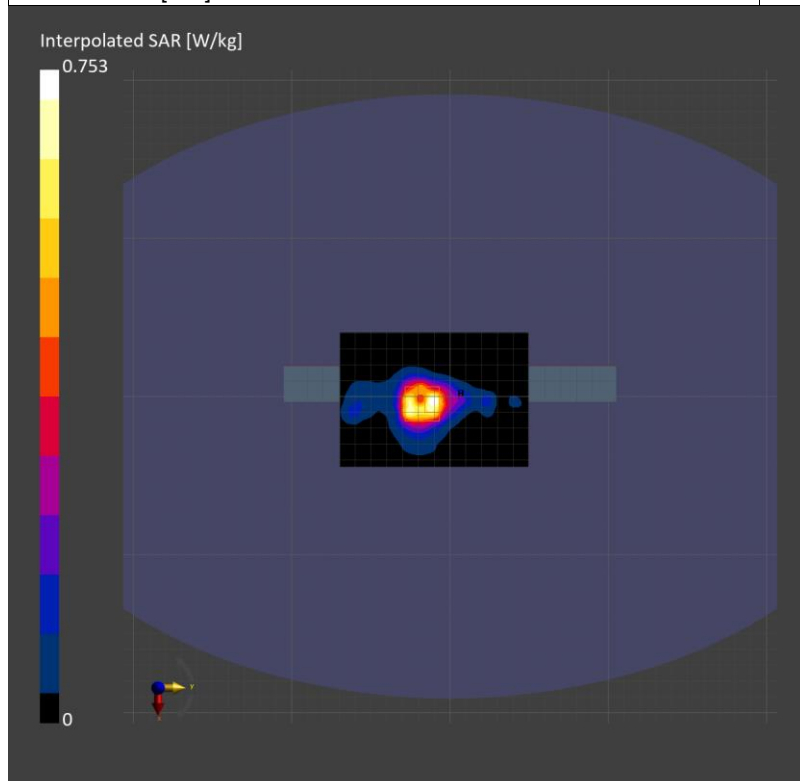
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-03	2024-12-03
psSAR1g [W/kg]	0.525	0.525
psSAR8g [W/kg]	0.232	0.232
psSAR10g [W/kg]	0.210	0.210
psPDab (4.0cm2, sq) [W/m2]		3.95
Power Drift [dB]	0.01	0.05
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		4.6



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ID: 041

Report No. :TESA2411000725E5

Measurement Report_U-NII-7 6.7GHz 802.11be(320M)_Body_Right Edge_CH 159_0mm_Main

Ambient temperature: 22.6°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	Right Edge, 0.00	6745.0, 159	5.38	6.338	34.427

Hardware Setup

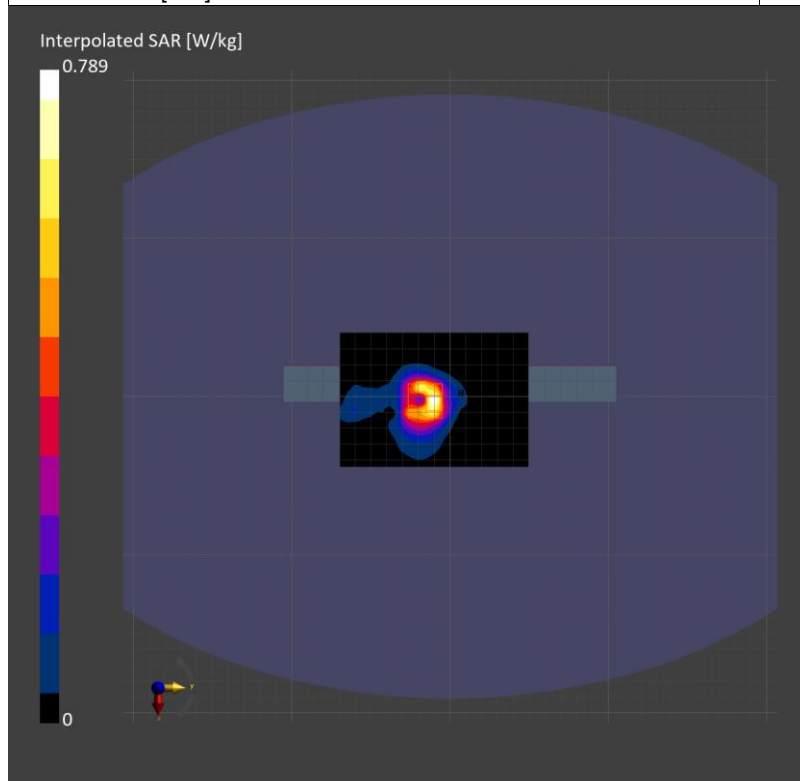
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-04	2024-12-04
psSAR1g [W/kg]	0.545	0.673
psSAR8g [W/kg]	0.226	0.249
psSAR10g [W/kg]	0.206	0.221
psPDab (4.0cm2, sq) [W/m2]		4.99
Power Drift [dB]	0.04	0.03
M2/M1 [%]		52.6
Dist 3dB Peak [mm]		4.5



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ID: 042

Report No. :TESA2411000725E5

Measurement Report_U-NII-8 7.0GHz 802.11be(320M)_Body_Right Edge_CH 191_0mm_Main

Ambient temperature: 22.6°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	Right Edge, 0.00	6905.0, 191	5.66	6.511	34.235

Hardware Setup

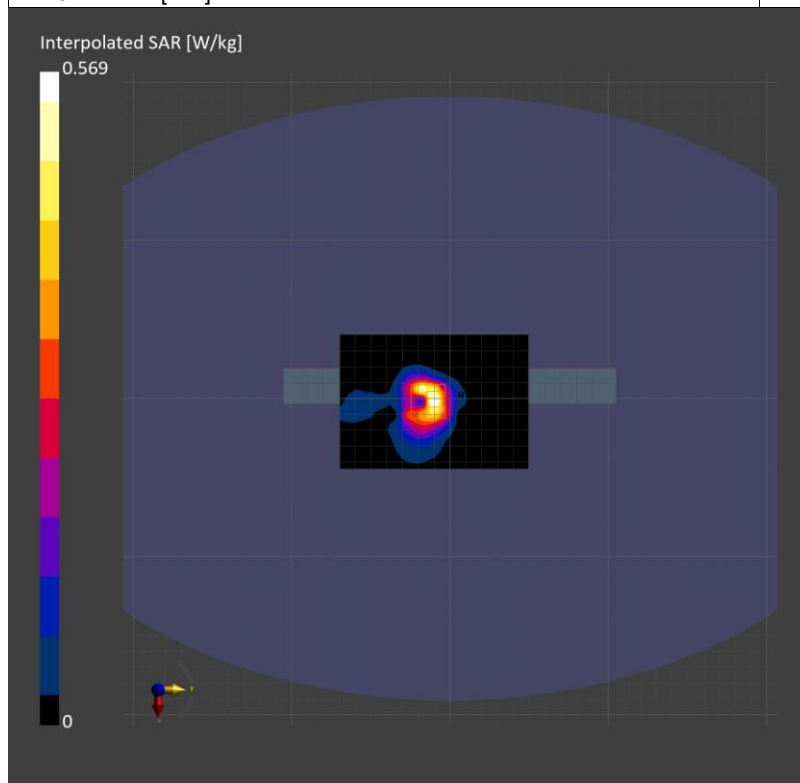
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-04	2024-12-04
psSAR1g [W/kg]	0.388	0.413
psSAR8g [W/kg]	0.154	0.168
psSAR10g [W/kg]	0.138	0.152
psPDab (4.0cm2, sq) [W/m2]		3.05
Power Drift [dB]	0.04	0.03
M2/M1 [%]		55.8
Dist 3dB Peak [mm]		5.2



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ID: 043

Report No. :TESA2411000725E5

Measurement Report_U-NII-5 6.2GHz 802.11be(320M)_Body_Left Edge_CH 31_0mm_Aux

Ambient temperature: 22.7°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	6105.0, 31	5.38	5.656	35.195

Hardware Setup

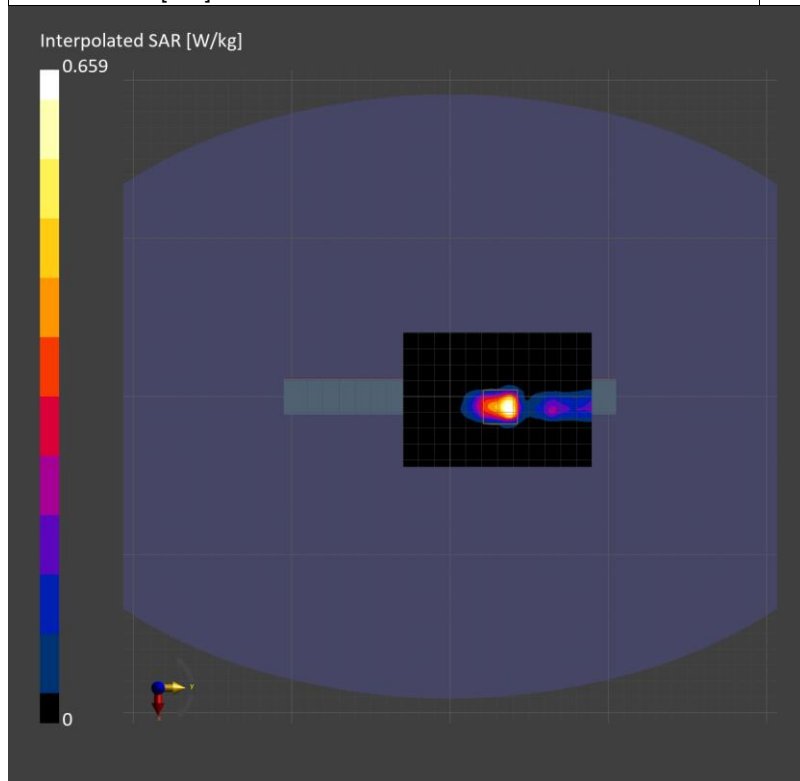
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-03	2024-12-03
psSAR1g [W/kg]	0.400	0.458
psSAR8g [W/kg]	0.145	0.152
psSAR10g [W/kg]	0.122	0.131
psPDab (4.0cm2, sq) [W/m2]		2.35
Power Drift [dB]	-0.03	-0.05
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		4.0



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ID: 044

Report No. :TESA2411000725E5

Measurement Report_U-NII-6 6.5GHz 802.11be(320M)_Body_Left Edge_CH 95_0mm_Aux

Ambient temperature: 22.7°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	6425.0, 95	5.38	5.995	34.811

Hardware Setup

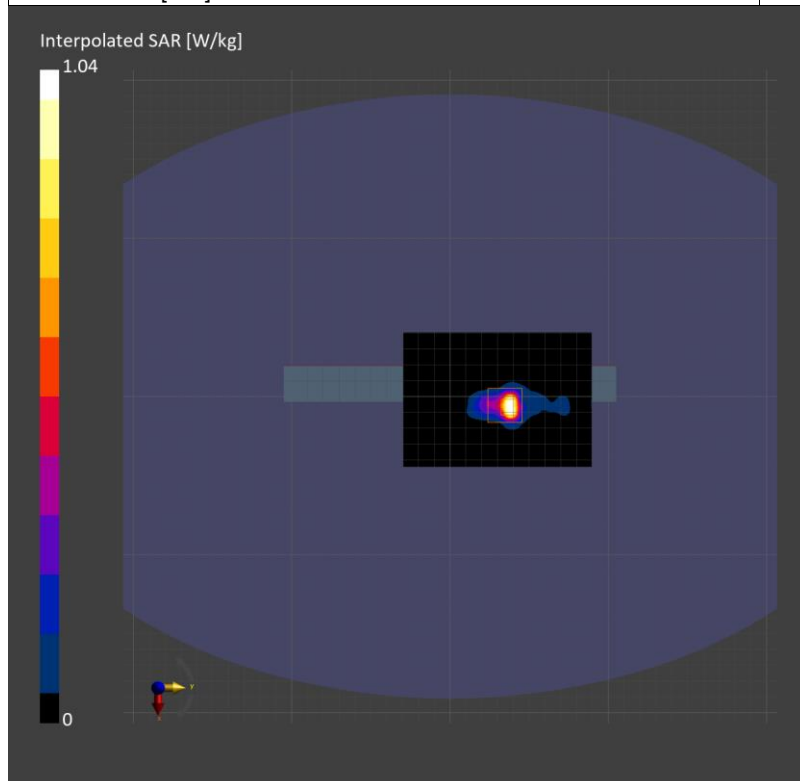
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-03	2024-12-03
psSAR1g [W/kg]	0.704	0.966
psSAR8g [W/kg]	0.208	0.248
psSAR10g [W/kg]	0.178	0.208
psPDab (4.0cm2, sq) [W/m2]		5.00
Power Drift [dB]	0.02	0.04
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		5.4



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ID: 045

Report No. :TESA2411000725E5

Measurement Report_U-NII-7 6.7GHz 802.11be(320M)_Body_Left Edge_CH 159_0mm_Aux

Ambient temperature: 22.6°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	Left Edge, 0.00	6745.0, 159	5.38	6.338	34.427

Hardware Setup

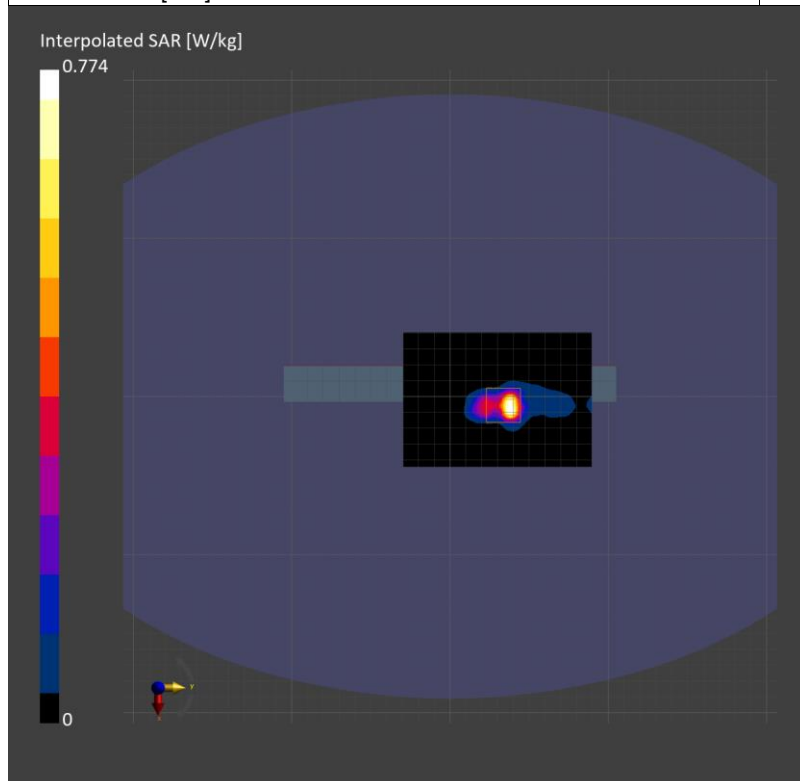
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-04	2024-12-04
psSAR1g [W/kg]	0.544	0.544
psSAR8g [W/kg]	0.169	0.169
psSAR10g [W/kg]	0.147	0.147
psPDab (4.0cm2, sq) [W/m2]		2.88
Power Drift [dB]	0.03	-0.05
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		4.3



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ID: 046

Report No. :TESA2411000725E5

Measurement Report_U-NII-8 7.0GHz 802.11be(320M)_Body_Left Edge_CH 191_0mm_Aux

Ambient temperature: 22.6°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	Left Edge, 0.00	6905.0, 191	5.66	6.511	34.235

Hardware Setup

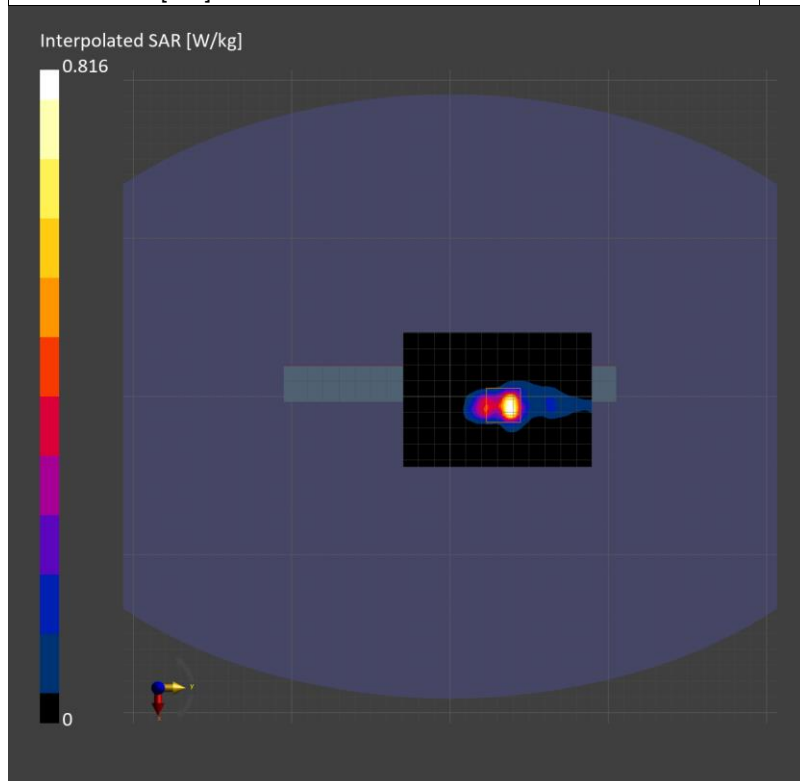
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	2024-12-04	2024-12-04
psSAR1g [W/kg]	0.503	0.589
psSAR8g [W/kg]	0.177	0.186
psSAR10g [W/kg]	0.154	0.162
psPDab (4.0cm2, sq) [W/m2]		3.04
Power Drift [dB]	-0.03	0.01
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		4.8



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13 PD MEASUREMENT RESULTS

ID: 047

Report No. :TESA2411000725E5

Measurement Report_Right Edge, U-NII-5,

IEEE 802.11be (320MHz, MCS0, 90pc duty cycle), Channel 31 (6105.0 MHz)

Exposure Conditions

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

Hardware Setup

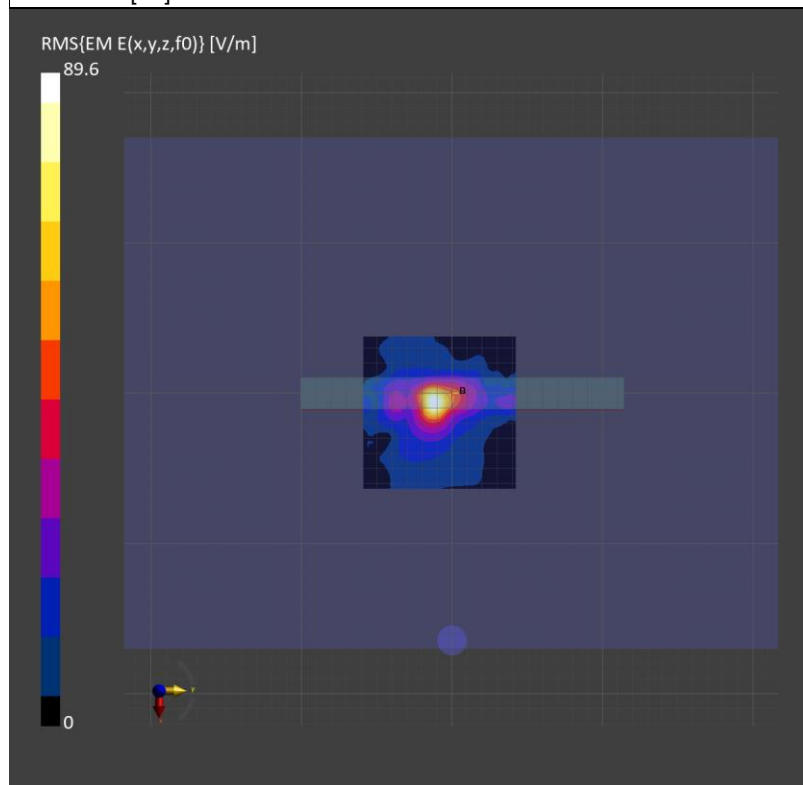
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn1260, 2024-09-19

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	2024-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	4.79
psPDtot+ [W/m ²]	6.20
psPDmod+ [W/m ²]	7.59
E _{max} [V/m]	89.6
Power Drift [dB]	0.03



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ID: 048

Report No. :TESA2411000725E5

Measurement Report_Right Edge, U-NII-6,

IEEE 802.11be (320MHz, MCS0, 99pc duty cycle), Channel 95 (6425.0 MHz)

Exposure Conditions

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

Hardware Setup

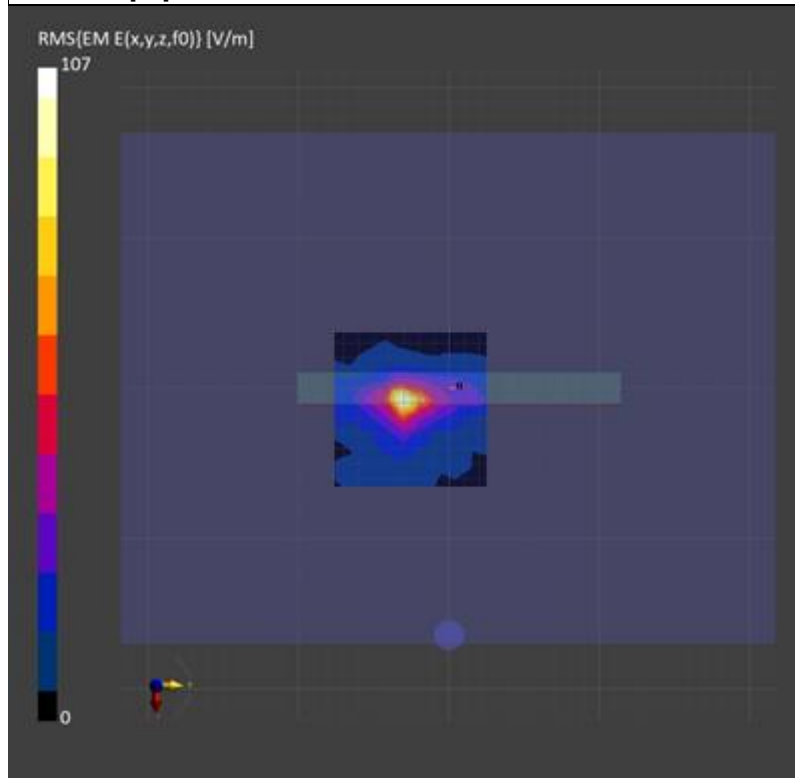
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn1260, 2024-09-19

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	2024-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	4.58
psPDtot+ [W/m ²]	5.96
psPDmod+ [W/m ²]	7.87
E _{max} [V/m]	107
Power Drift [dB]	-0.05



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ID: 049

Report No. :TESA2411000725E5

Measurement Report_Right Edge, U-NII-7,

IEEE 802.11be (320MHz, MCS0, 99pc duty cycle), Channel 159 (6745.0 MHz)

Exposure Conditions

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

Hardware Setup

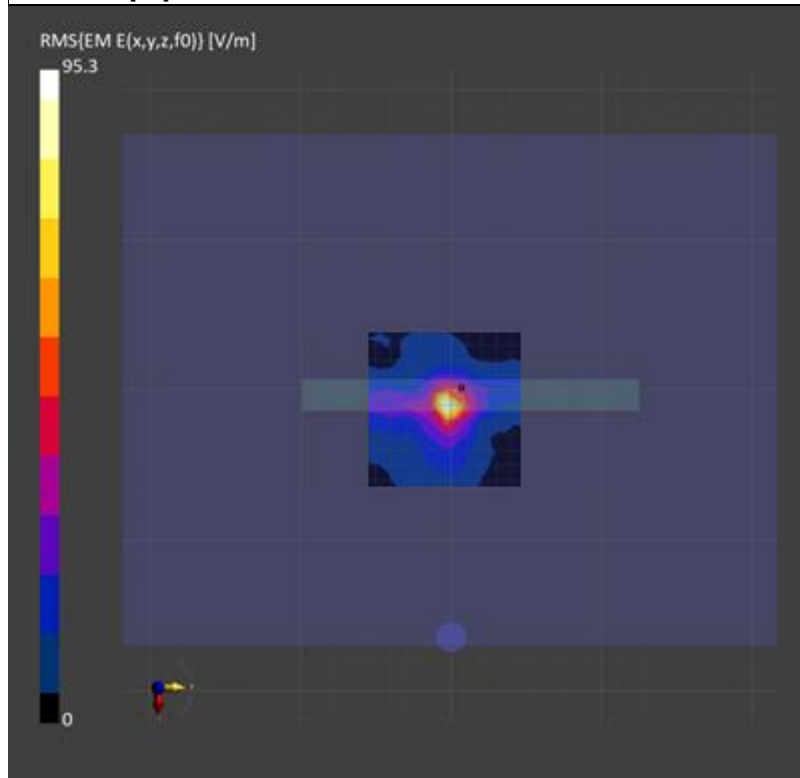
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn1260, 2024-09-19

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	2024-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.06
psPDtot+ [W/m ²]	3.68
psPDmod+ [W/m ²]	4.78
E _{max} [V/m]	95.3
Power Drift [dB]	0.02



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ID: 050

Report No. :TESA2411000725E5

Measurement Report_Right Edge,, U-NII-8,

IEEE 802.11be (320MHz, MCS0, 99pc duty cycle), Channel 191 (6905.0 MHz)

Exposure Conditions

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

Hardware Setup

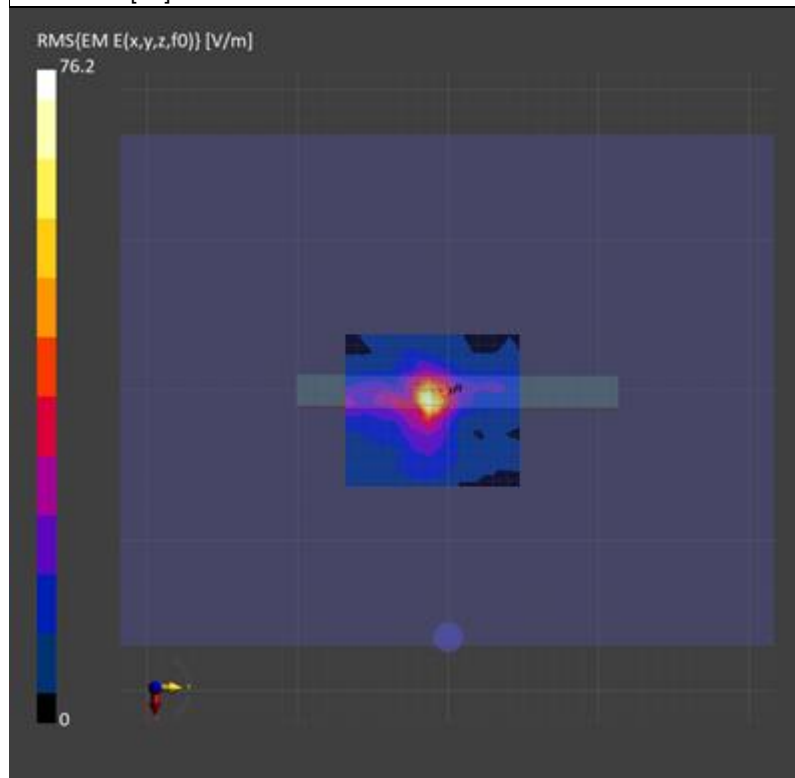
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn1260, 2024-09-19

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	2024-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.46
psPDtot+ [W/m ²]	5.03
psPDmod+ [W/m ²]	5.40
E _{max} [V/m]	76.2
Power Drift [dB]	-0.04



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ID: 051

Report No. :TESA2411000725E5

Measurement Report Left Edge, U-NII-5,

IEEE 802.11be (320MHz, MCS0, 90pc duty cycle), Channel 31 (6105.0 MHz)

Exposure Conditions

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

Hardware Setup

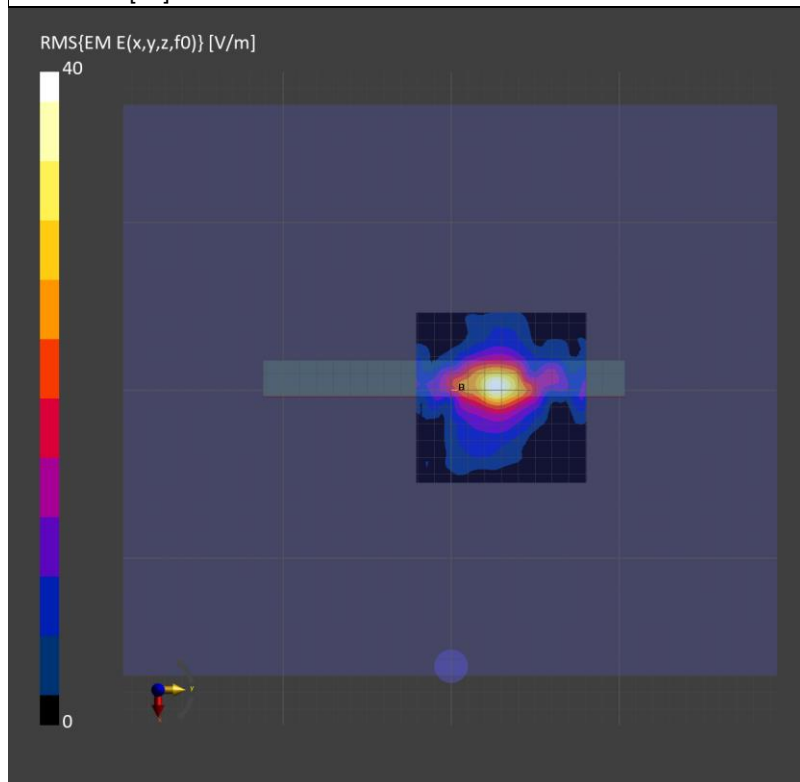
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn1260, 2024-09-19

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	2024-12-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.62
psPDtot+ [W/m ²]	1.81
psPDmod+ [W/m ²]	2.00
E _{max} [V/m]	54.0
Power Drift [dB]	0.02



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ID: 052

Report No. :TESA2411000725E5

Measurement Report Left Edge, U-NII-6,

IEEE 802.11be (320MHz, MCS0, 99pc duty cycle), Channel 95 (6425.0 MHz)

Exposure Conditions

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

Hardware Setup

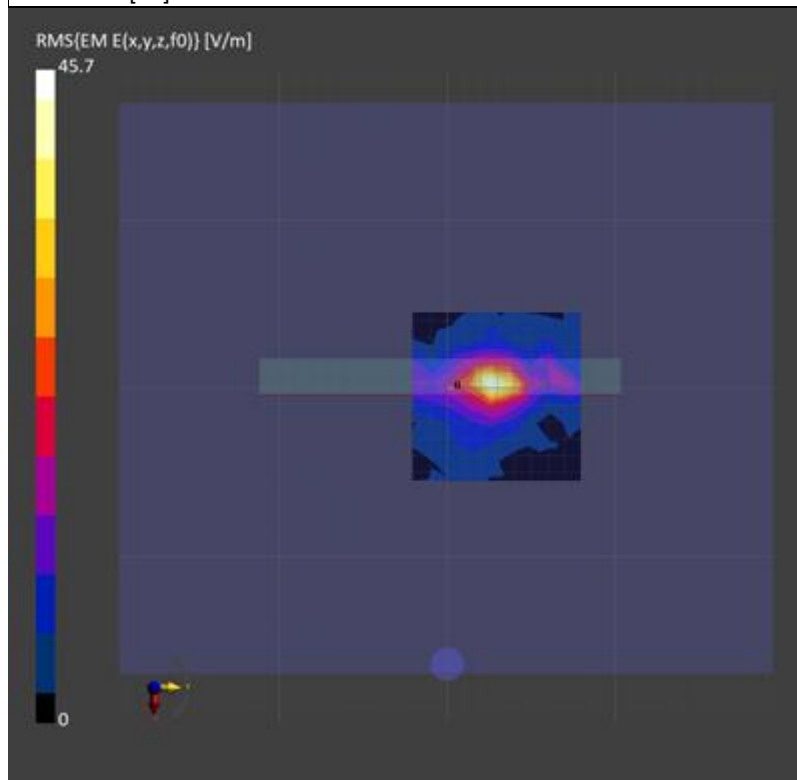
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn1260, 2024-09-19

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	2024-12-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.54
psPDtot+ [W/m ²]	1.80
psPDmod+ [W/m ²]	2.03
E _{max} [V/m]	55.7
Power Drift [dB]	0.03



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ID: 053

Report No. :TESA2411000725E5

Measurement Report Left Edge, U-NII-7,

IEEE 802.11be (320MHz, MCS0, 99pc duty cycle), Channel 159 (6745.0 MHz)

Exposure Conditions

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

Hardware Setup

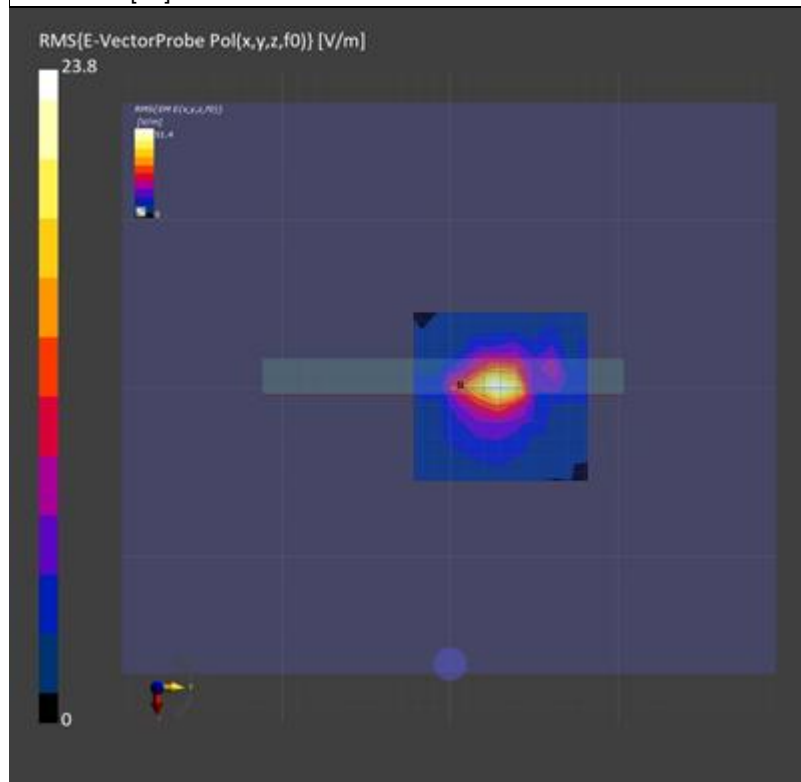
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn1260, 2024-09-19

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	2024-12-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.88
psPDtot+ [W/m ²]	3.27
psPDmod+ [W/m ²]	3.42
E _{max} [V/m]	51.4
Power Drift [dB]	-0.01



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ID: 054

Report No. :TESA2411000725E5

Measurement Report Left Edge, U-NII-8,

IEEE 802.11be (320MHz, MCS0, 99pc duty cycle), Channel 191 (6905.0 MHz)

Exposure Conditions

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

Hardware Setup

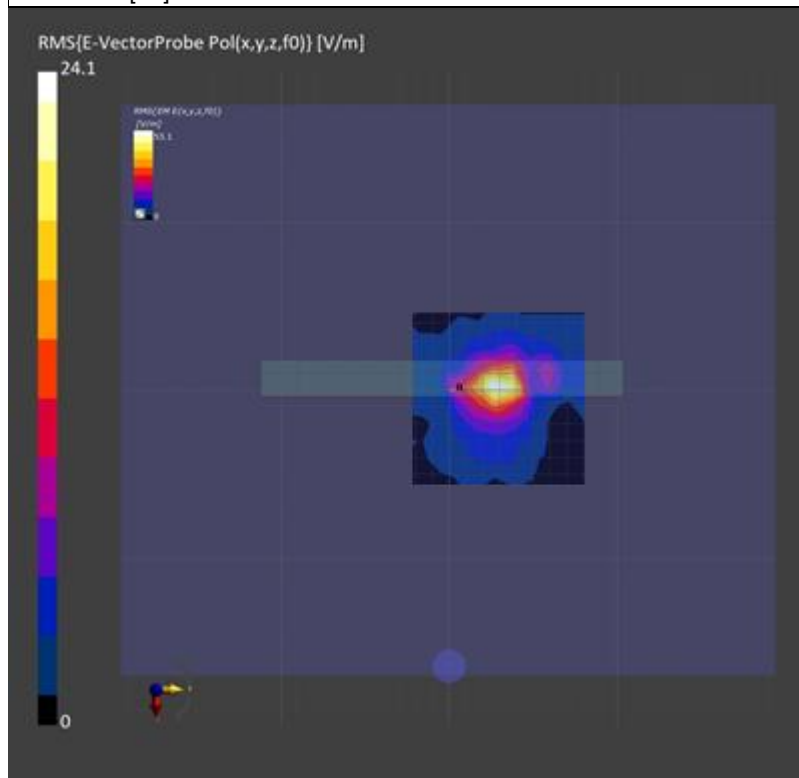
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn1260, 2024-09-19

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	2024-12-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.86
psPDtot+ [W/m ²]	3.09
psPDmod+ [W/m ²]	3.27
E _{max} [V/m]	53.2
Power Drift [dB]	-0.03



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14 SAR SYSTEM CHECK RESULTS

Report No. :TESA2411000725E5

Measurement Report

Dipole_D2450-SN:728

Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	7.45	1.851	39.450

Hardware Setup

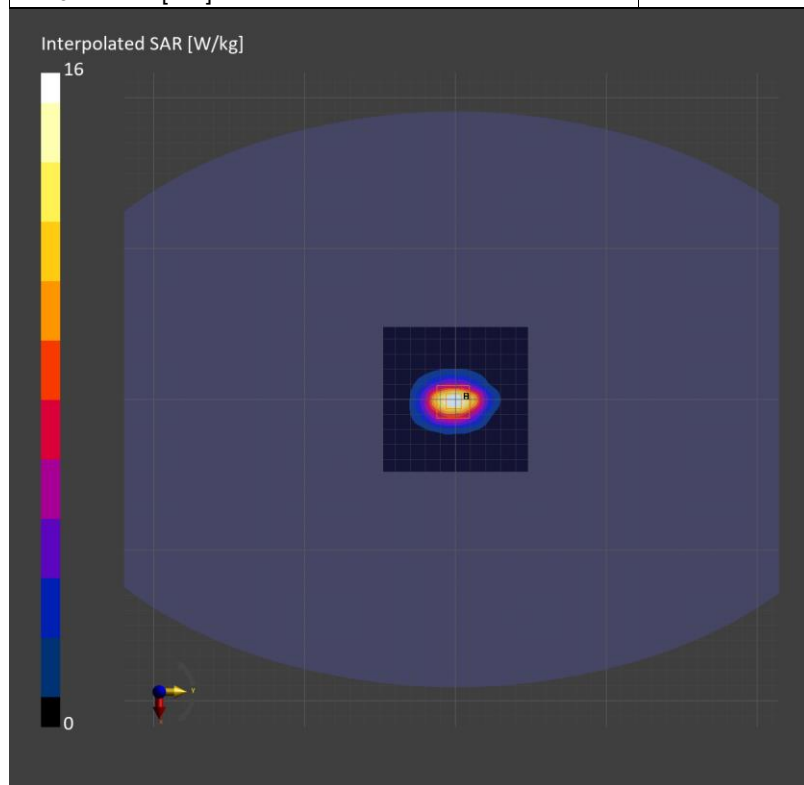
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-11-30	2024-11-30
psSAR1g [W/kg]	12.5	12.7
psSAR8g [W/kg]	6.40	6.96
psSAR10g [W/kg]	5.80	6.35
Power Drift [dB]	0.04	-0.05
M2/M1 [%]		56.6
Dist 3dB Peak [mm]		9.0



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Report No. :TESA2411000725E5

Measurement Report

Dipole_D5250-SN:1023

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.62	4.767	36.179

Hardware Setup

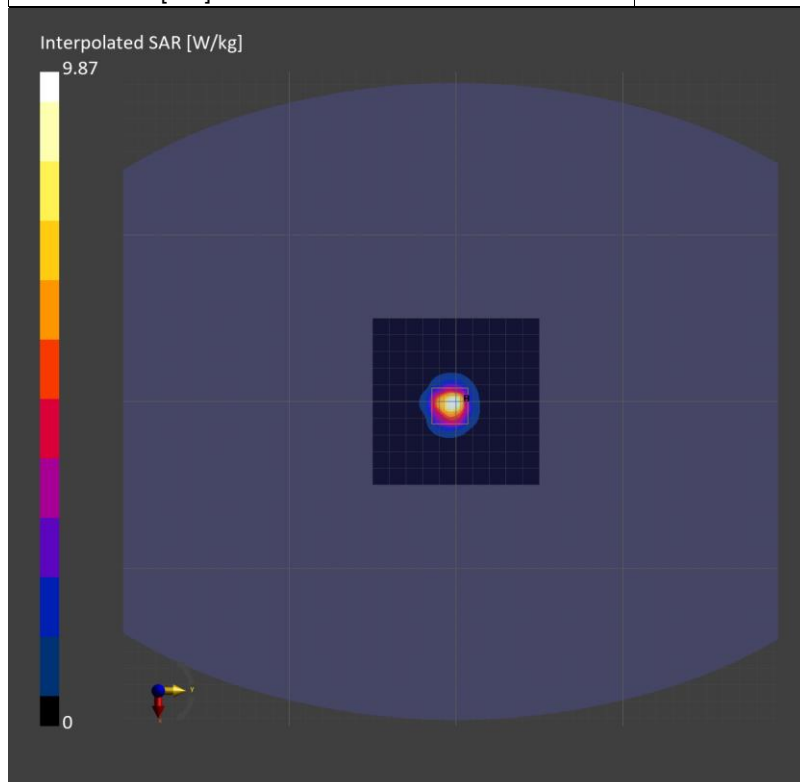
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-01	2024-12-01
psSAR1g [W/kg]	6.65	7.84
psSAR8g [W/kg]	2.31	2.55
psSAR10g [W/kg]	2.14	2.38
Power Drift [dB]	-0.05	-0.03
M2/M1 [%]		56.2
Dist 3dB Peak [mm]		7.6



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Report No. :TESA2411000725E5

Measurement Report

Dipole_D5600-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	5.13	5.131	35.779

Hardware Setup

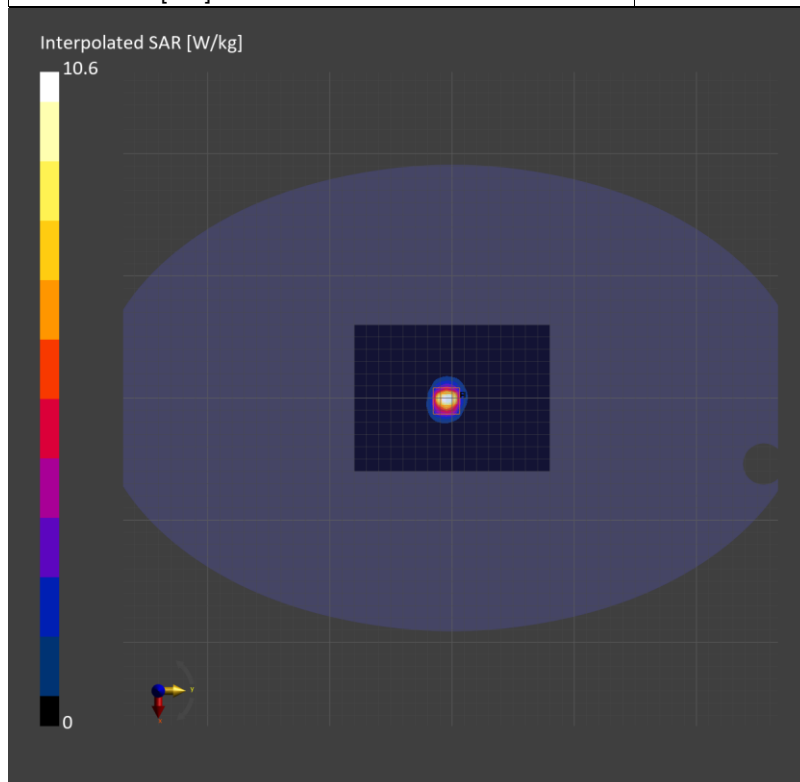
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

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	2024-12-01	2024-12-01
psSAR1g [W/kg]	7.61	8.25
psSAR8g [W/kg]	2.68	2.74
psSAR10g [W/kg]	2.32	2.34
Power Drift [dB]	-0.05	-0.01
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		7.6



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Report No. :TESA2411000725E5

Measurement Report

Dipole_D5750-SN:1023

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.20	5.286	35.607

Hardware Setup

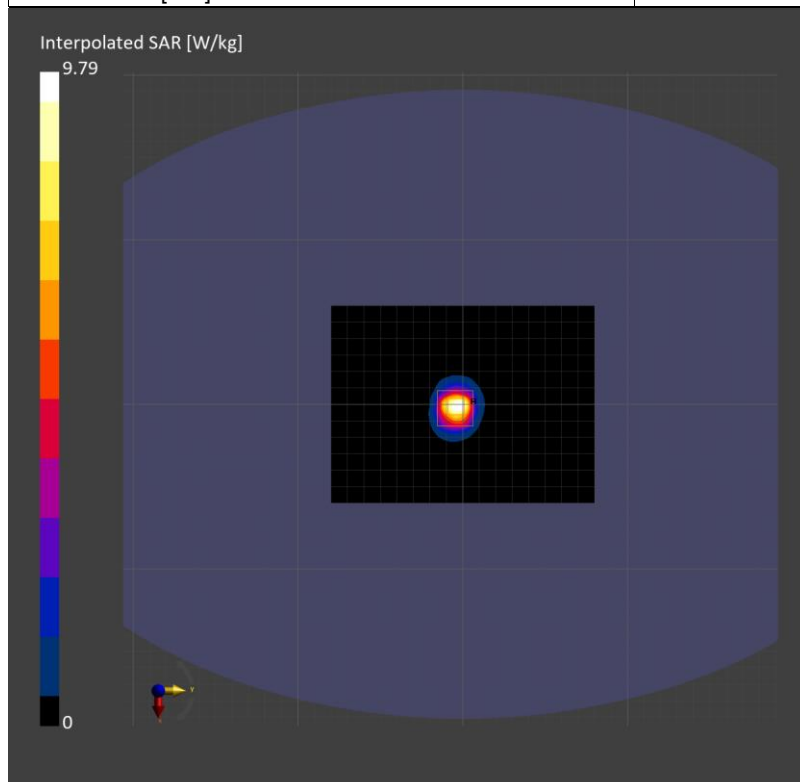
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

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	2024-12-02	2024-12-02
psSAR1g [W/kg]	7.00	8.16
psSAR8g [W/kg]	2.52	2.72
psSAR10g [W/kg]	2.18	2.24
Power Drift [dB]	0.04	-0.02
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		7.4



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Report No. : TESA2411000725E5

Measurement Report

Dipole_D5850-SN:1023

Ambient temperature: 22.4°C; Liquid temperature: 21.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.20	5.390	35.493

Hardware Setup

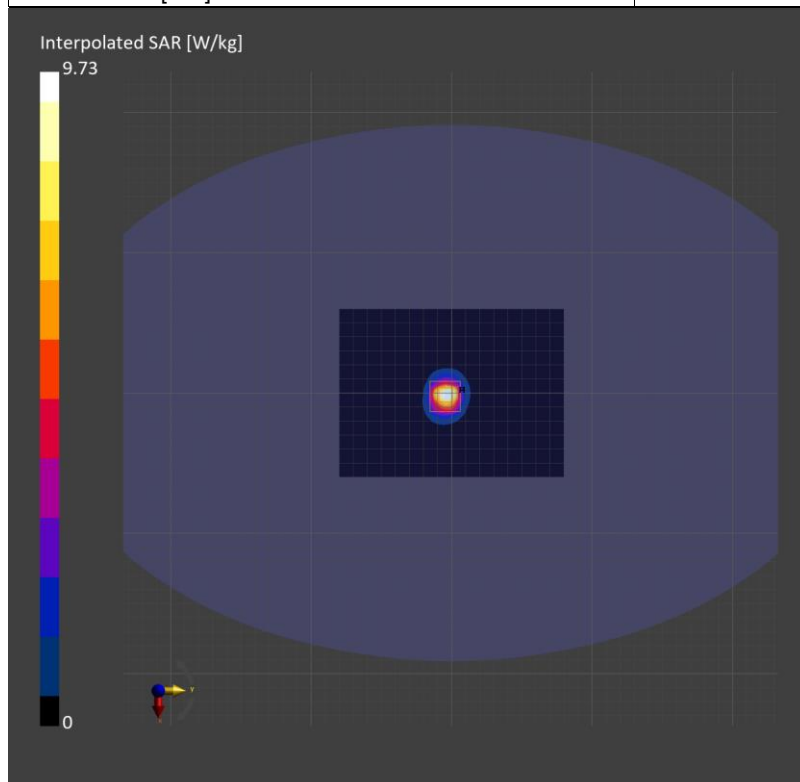
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

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	2024-12-02	2024-12-02
psSAR1g [W/kg]	6.96	8.09
psSAR8g [W/kg]	2.50	2.70
psSAR10g [W/kg]	2.17	2.32
Power Drift [dB]	0.05	-0.03
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		7.5



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Report No. :TESA2411000725E5

Measurement Report

Dipole_D6500-SN:1006

Ambient temperature: 22.7°C; Liquid temperature: 21.8°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	5.38	6.075	34.721

Hardware Setup

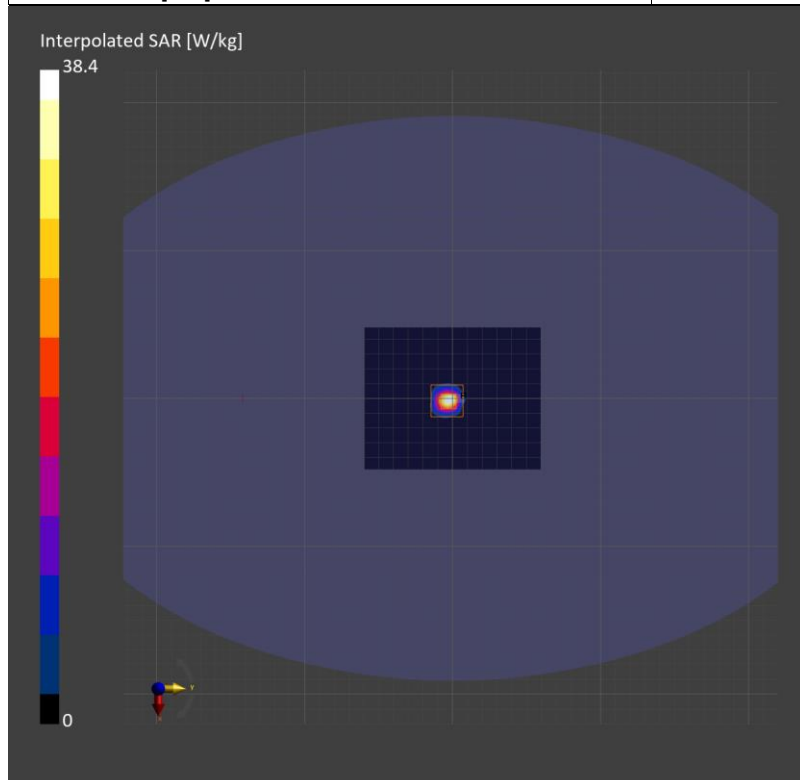
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-03	2024-12-03
psSAR1g [W/kg]	24.1	28.4
psSAR8g [W/kg]	6.35	6.70
psSAR10g [W/kg]	5.27	5.50
psPDab (4.0cm2, sq) [W/m2]		134
Power Drift [dB]	0.04	-0.02
M2/M1 [%]		62.6
Dist 3dB Peak [mm]		4.8



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Report No. :TESA2411000725E5

Measurement Report

Dipole_D7000-SN:1007

Ambient temperature: 22.6°C; Liquid temperature: 21.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 5.00	5.66	6.614	34.121

Hardware Setup

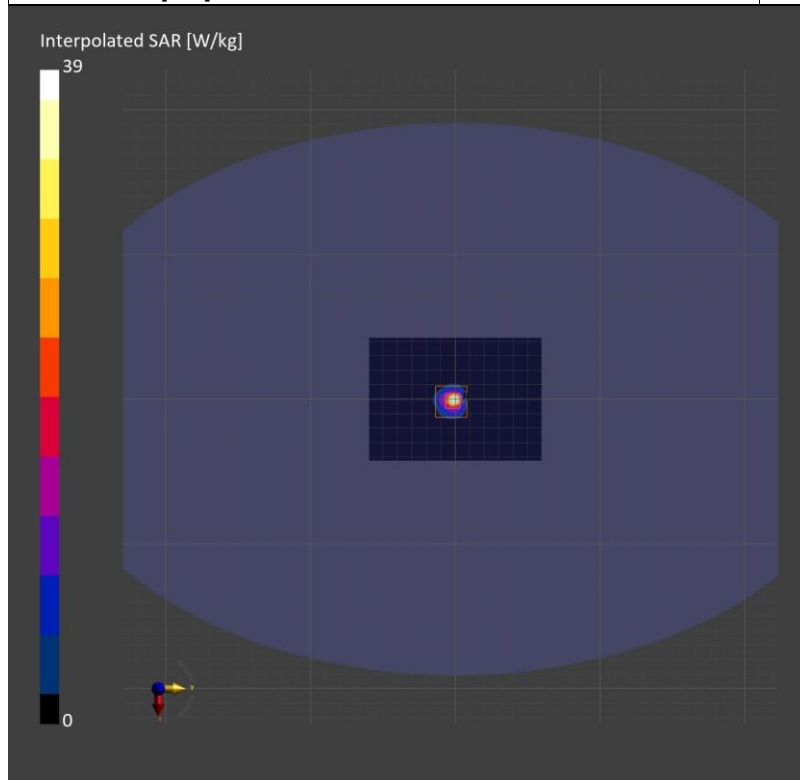
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN3665, 2024-09-04	DAE4 Sn1260, 2024-09-19

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-12-04	2024-12-04
psSAR1g [W/kg]	23.0	27.2
psSAR8g [W/kg]	5.84	6.27
psSAR10g [W/kg]	4.87	5.16
psPDab (4.0cm2, sq) [W/m2]		125
Power Drift [dB]	0.05	-0.02
M2/M1 [%]		63.5
Dist 3dB Peak [mm]		5.0



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15 PD SYSTEM CHECK RESULTS

Report No. : TESA2411000725E5

Measurement Report

5G Verification Source 10GHz-SN: 1021

Exposure Conditions

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

Hardware Setup

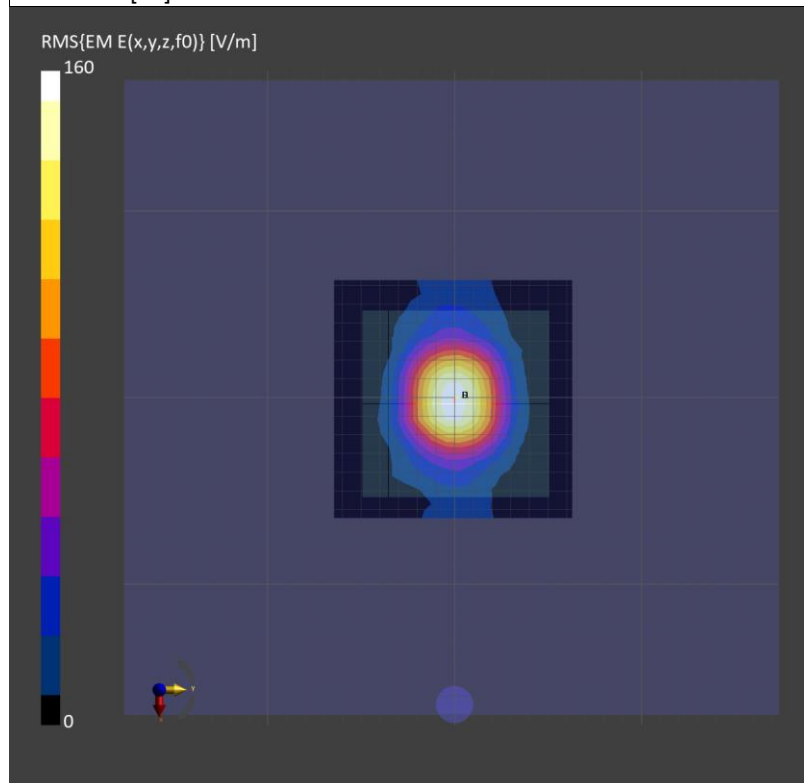
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9635_F1-55GHz, 2024-04-16	DAE4 Sn1260, 2024-09-19

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	2024-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	55.4
psPDtot+ [W/m ²]	55.9
psPDmod+ [W/m ²]	56.1
E _{max} [V/m]	154
Power Drift [dB]	-0.01



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Refer to separated files for the following appendixes.

16.1 SAR_Appendix A Photographs

16.2 SAR_Appendix B DAE & Probe Cal. Certificate

16.3 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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