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RF Exposure report





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

Notebook Computer **Product Name**

acer **Brand Name**

N24Q4 Model No.

Acer Incorporated **Applicant**

8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City

22181, Taiwan (R.O.C)

IEEE/ANSI C95.1-1992, IEEE 1528-2013 **Standards**

FCC ID HLZAX211D2 **Date of EUT Receipt** Mar. 29, 2024

Date of Test(s) Apr. 16, 2024 ~ Apr. 22, 2024

Date of Issue Apr. 29, 2024

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

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 / Tom Chiang	Approved By / John Yeh
Kimmy Chiou	Tom Chiang	John Teh
		D-1- A 00 000

Date: Apr. 29, 2024

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2403000159E5	00	Initial creation of document	Apr. 29, 2024	Kimmy Chiou	

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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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Description of EUT

Product Name	Notebook Computer			
Brand Name	acer			
Model No.	N24Q4			
FCC ID	HLZAX211D2			
Integrated WLAN Module	Brand Name: Intel® Wi-Fi 6E Model Name: AX211D2W	AX211		
Duty Cyclo	WLAN802.11	Please refer to section 7		
Duty Cycle	Bluetooth	Please refer to section 7		
	802.11 b/g/n/ax	2.4GHz (2400.0 – 2483.5 MHz)		
Supported radios (TX	802.11a/n/ac/ax	5.2GHz (5150.0 –5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz) 5.9GHz (5850.0 – 5895.0 MHz)		
Frequency Range, MHz)	802.11ax	6.2GHz (5925.0 – 6425.0 MHz) 6.5GHz (6425.0 – 6525.0 MHz) 6.7GHz (6525.0 – 6875.0 MHz) 7.0GHz (6875.0 – 7125.0 MHz)		
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)		

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Maximum value

	0.15		
Summary of Maxin	num SAR and Power I	Density Value	
Mode	Highest SAR 1g	Highest APD	Highest PD
Iviode	(W/kg)	(W/m^2)	(W/m^2)
Bluetooth(GFSK)	0.52	N/A	N/A
2.4G WLAN	1.09	N/A	N/A
5G WLAN	1.19	N/A	N/A
6G WLAN	0.88	6.5	4.55

Antenna Information 1.4

Laptop mode_WLA	NN .									
Vendor		WNC								
Antenna					Ma	ain				
Part Number				81	EAB515.G59	(DQ6515G590	11)			
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	2.81	2.81	2.81	2.70	2.55	2.50	2.39	2.39	2.65	2.81
Antenna					Aı	ux				
Part Number				81	EAB515.G59	(DQ6515G590	11)			
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	2.38	2.86	2.86	2.55	2.19	2.19	2.41	2.41	2.92	2.71
Note: Antenna information is provided by the applicant.										

Tablet mode W/I AN

Tablet Hode_WEAT	1									
Vendor		WNC								
Antenna					Ma	ain				
Part Number				81	EAB515.G59	(DQ6515G590)1)			
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	2.25	2.25	2.72	2.58	2.18	2.04	1.92	2.70	2.95
Antenna		Aux								
Part Number		81EAB515.G59 (DQ6515G5901)								
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	1.35	2.74	2.74	2.60	2.13	1.78	2.49	2.48	2.95	2.60

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	
	1F, No. 8, Alley 15, Lane 120,	SAR 2		TW3702	
	Sec. 1, NeiHu Road, Neihu District, Taipei City, 11493,	SAR 6	TW0029		
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	Taiwan.	SAR 8			
	No. 2, Keji 1st Rd., Guishan	SAR 1	TIM/0000		
	Township, Taoyuan County, 33383, Taiwan	SAR 4	TW0028		
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku	SAR 3	TM/0007		
	District, New Taipei City, Taiwan	SAR 7	TW0027		

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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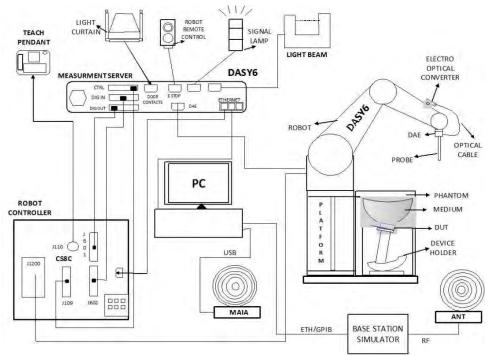


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SAR System

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 2450/5250/5600/5750/5850/6500/7000MHz 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	10 μW/g to > 100 mW/g
Range	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)

I HANTON (E	=-)
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	2 ± 0.2 mm
Thickness	
Filling Volume	Approx. 30 liters
Dimensions	Major axis: 600 mm
	Minor axis: 400 mm

DEVICE HOLDER

DEVICE HOL	DEIX	
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.	

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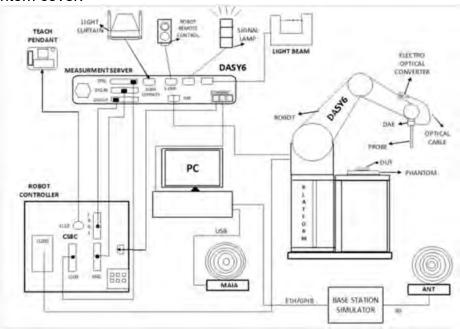


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PD system

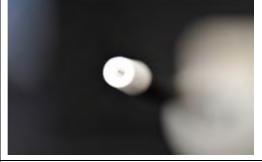
Block Diagram (DASY6)

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 pseudovector 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			
sensor— 1,5mm calibrated	required)			
device				
Compatibility	cDASY6 + 5G-Module SW1.0 and higher			

mmWave Phantom

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

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SAR SYSTEM VERIFICATION

Tissue Simulating Liquid

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

3.2 **Tissue Simulant Liquid measurement**

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

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

3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ	Limit	Measurement Date
2402	39.282	1.757	40.285	1.841	2.55%	4.75%	± 5%	
2412	39.265	1.766	40.268	1.850	2.55%	4.74%	± 5%	
2437	39.222	1.788	40.223	1.872	2.55%	4.67%	± 5%	
2441	39.215	1.792	40.216	1.876	2.55%	4.69%	± 5%	Apr. 17, 2024
2450	39.200	1.800	40.200	1.884	2.55%	4.67%	± 5%	
2462	39.184	1.813	40.185	1.895	2.55%	4.53%	± 5%	
2480	39.160	1.832	40.162	1.911	2.56%	4.31%	± 5%	
5250	35.950	4.710	36.929	4.863	2.72%	3.25%	± 5%	
5290	35.910	4.750	36.883	4.905	2.71%	3.26%	± 5%	
5530	35.605	4.997	36.609	5.160	2.82%	3.27%	± 5%	
5570	35.545	5.039	36.563	5.201	2.86%	3.23%	± 5%	
5600	35.500	5.070	36.529	5.233	2.90%	3.21%	± 5%	A 40, 0004
5690	35.410	5.160	36.426	5.327	2.87%	3.24%	± 5%	Apr. 18, 2024
5750	35.350	5.220	36.357	5.391	2.85%	3.28%	± 5%	
5775	35.325	5.245	36.329	5.417	2.84%	3.28%	± 5%	
5815	35.285	5.286	36.283	5.459	2.83%	3.28%	± 5%	
5850	35.250	5.323	36.243	5.496	2.82%	3.26%	± 5%	
6025	35.070	5.510	36.041	5.682	2.77%	3.13%	± 5%	
6185	34.878	5.698	35.849	5.854	2.78%	2.73%	± 5%	
6345	34.686	5.887	35.657	6.026	2.80%	2.36%	± 5%	
6500	34.500	6.070	35.471	6.194	2.81%	2.04%	± 5%	
6505	34.494	6.076	35.465	6.199	2.81%	2.03%	± 5%	Apr. 19, 2024
6665	34.302	6.261	35.273	6.373	2.83%	1.78%	± 5%	
6825	34.110	6.447	35.081	6.549	2.85%	1.58%	± 5%	
6985	33.918	6.633	34.889	6.725	2.86%	1.39%	± 5%	
7000	33.900	6.650	34.871	6.742	2.86%	1.38%	± 5%	

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The composition of the tissue simulating liquid:

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

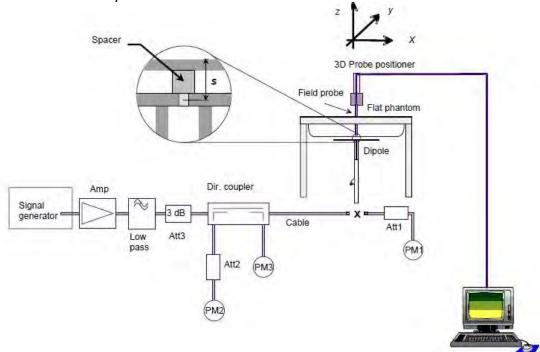
Broad-band head	SPEAG Product	Frequency range (MHz)	Main Ingredients
tissue simulating liquids	HBBL600- 10000V6	600 - 10000	Water, Oil

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

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	53.4	13.8	55.2	3.37	± 10%	Apr.17,2024
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	I Measured I		Deviation (%)	Limit	Measurement Date
D5GHzV2	1023	5250	78.8	7.8	78	-1.02	± 10%	Apr.18,2024
D5GHzV2	1023	5600	81.3	8.12	81.2	-0.12	± 10%	Apr.18,2024
D5GHzV2	1023	5750	78	7.91	79.1	1.41	± 10%	Apr.18,2024
D5GHzV2	1023	5850	78.6	8.13	81.3	3.44	± 10%	Apr.18,2024
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D6.5GHzV2	1006	6500	296	28.9	289	-2.36	± 10%	Apr.19,2024
D7GHzV2	1007	7000	281	27.7	277	-1.42	± 10%	Apr.19,2024

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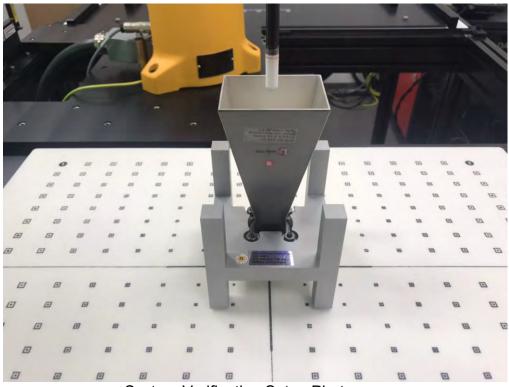
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PD SYSTEM VERIFICATION

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.

						, i				
	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	9616	558	10	93.3	55.6	56.2	-0.05	Apr.20,2024

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5 TEST CONFIGURATIONS

5.1 Test Environment

Ambient Temperature: 22±2° C Tissue Simulating Liquid: 22±2° C

5.2 Test Note

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

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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=2mm with the grid step (0.0625λ) for determining compliance at d=2mm.
- WLAN 6GHz: According to October 2020 TCB Workshop Interim procedures, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.67 dB (85%) was used to determine the psPD measurement scaling factor.
- WLAN 6GHz: Per FCC guidance, for simultaneous transmission evaluation, using SAR sum and SPLSR for simultaneous transmit exclusion analyses and evaluations. *WLAN/BT SAR data of Notebook mode can be referred to Intel SAR test report, Report No.: 201120-03.TR10, 201120-03.TR50, 220915-01.TR04.

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Test position

Laptop mode SAR test position (0mm)

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

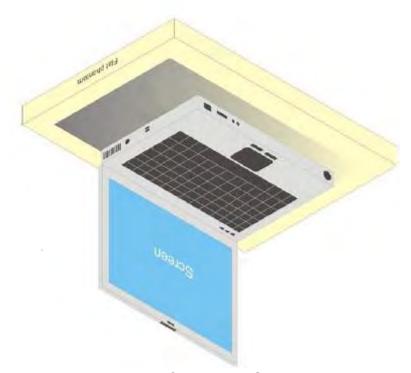


Illustration for Laptop Setup

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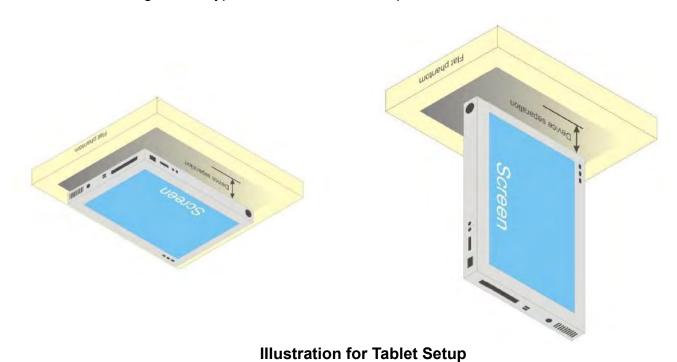
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Tablet mode SAR test position (0mm)

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



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Power verification of device mode

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

Results and conclusion

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

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Device mode verification by power measurement

March Marc														
## Arch C	Antenna	Operation mode			802.11ac(80M) 5.2G 0.00	802.11ac(160M) 5.2G	802.11ac(80M) 5.3G 0.00		802.11ac(80M) 5.8G 0.00	802.11ac(160M) 5.9G	802.11ax(160M) 6.2G		802.11ax(160M) 6.7G	802.11ax(160M) 7.0G
March		Lid close	10°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
March		Laptop												
March			25°											
THE TOTAL PARTY NAME AND ADDRESS OF THE PARTY NAME AND ADDRESS OF		Lid close	27°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mary														
No.														
March														
## A PAPER														
Marie Care			35°	16.91	15.89	14.72	15.90	15.92	15.87	15.94	13.48	13.36	13.44	13.41
Marie														
No. 1 April			65°	16.96	15.97	14.80	15.83	15.89	15.86	15.91	13.44	13.33	13.48	13.46
Marie Control of the														
No.		Laptop	95°	16.97	15.94	14.76	15.89	15.87	15.89	15.91	13.47	13.33	13.47	13.45
Mar. 1. 1. 1. 1. 1. 1. 1.			105°				15.93 15.84		15.84 15.94		13.38			
March 1			125°	16.99	15.94	14.72	15.93	15.88	15.89	15.98	13.44	13.42	13.39	13.43
Max. Application Applicat			145°	16.91	15.88	14.73	15.91	15.96	15.86	15.99	13.46	13.34	13.44	13.41
Marie Control of the			155° 165°	16.89 16.98	15.97 15.98	14.78 14.76	15.87 15.85	15.89 15.91	15.85 15.91	15.94 15.96	13.38	13.34	13.42 13.44	
May			175°	16.95	15.91	14.76	15.91	15.88	15.88	15.89	13.48	13.42	13.38	13.45
No. 1860 186														
MAY Table	1		205°	16.91	15.97	14.78	15.93	15.90	15.94	15.97	13.41	13.40	13.48	13.44
May 1966 1967 1968 1968 1969 196		Tohire			9.85	9.95	9.98					9.92		9.95
Max. May	1	rablet	220°	12.93	9.84	9.94	9.97	9.95	9.92	9.93	9.91	9.84	9.95	9.93
### March Ma			216°	16.99	15.98	14.79	15.90	15.87	15.94	15.89	13.45	13.39	13.43	13.45
### PAPER 1975	1	Laptop				14.73	15.85 15.93			15.94 15.98	13.40		13.40	
TATE 1867			219°	16.92	15.92	14.75	15.85	15.92	15.85	15.99	13.48	13.34	13.39	13.46
Max.					9.83 9.81		9.90 9.95		9.92 9.86				9.88 9.90	
More March			222°	12.92	9.84	9.85	9.88	9.93	9.89	9.91	9.89	9.82	9.96	9.93
Table Table			224°	12.90	9.75	9.91	9.95	9.94	9.90	9.92	9.92	9.89	9.93	9.93
Table Table			225°	12.94	9.77	9.90	9.88	9.89	9.89	9.88	9.94	9.82	9.98	9.87
Table Fight Paris Paris 1.50			245°	12.87	9.79	9.89	9.94	9.85	9.93	9.89	9.98	9.82	9.91	9.94
MAIN 1979			255°	12.96	9.81	9.95	9.89	9.93	9.88	9.98	9.99	9.92	9.93	9.90
Marie Paris		Tablet	275°	12.92	9.81	9.85	9.94	9.92	9.83	9.89	9.99	9.85	9.90	9.86
May 1				12.92	9.76	9.93 9.88	9.88	9.90	9.84	9.98 9.88				9.85 9.88
Marie Paris			305°	12.95	9.79	9.87	9.97	9.90	9.85	9.98	9.92	9.86	9.90	9.90
Marie Marie			315°											
Mare 100 100 100 170 120 170 120														
March 1966 1977 1988 1977 1988 1989			355°	12.89	9.76	9.88	9.88	9.91	9.89	9.97	9.97	9.85	9.91	9.89
Talid Sec. 12-bit 2-bit 1-bit 1-bit	Main													
Tabel 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			340°	12.94	9.85	9.86		9.93		9.92	9.91	9.84	9.96	9.90
Total To			320°	12.97	9.77	9.91	9.94	9.89	9.92	9.94	9.99	9.88	9.96	9.95
Tabel 200" 1 1260			310° 300°								9.93 9.93			9.92 9.85
1,000 1,00		Tablet	290°			9.95					9.89	9.83		
1,000			270°											
2407 12,57 635 635 637 638 636 637 638 636 637 638 636 639 6			260°											
Leglog 1594			240°	12.87	9.85	9.93	9.97	9.88	9.86	9.91	9.92	9.86	9.90	9.90
Table 1977 1598 1478 1598 1478 1587 1598 1599														
Table		Laptop												
1971 16.98														
2177 16.98 15.90	1													
215" 15.96			217°	16.98	15.92	14.80	15.91	15.91	15.93	15.97	13.47	13.36	13.48	13.42
214" 16.91 15.80 14.71 15.91 15.87 15.85 15.90 13.44 13.30 13.47 13.30 1														
212" 16.91 15.97 14.81 15.94 15.97 15.94 15.99 13.42 13.42 13.41 13.46 210" 16.99 15.59 14.00 15.87 14.79 15.87 15.92 15.92 15.95 13.40 13.33 13.47 13.39 210" 16.95 15.97 14.79 15.87 15.92 15.92 15.99 13.40 13.33 13.47 13.39 210" 16.95 15.97 14.79 15.87 15.92 15.99 13.89 13.40 13.33 13.47 13.39 210" 16.95 15.97 14.77 15.85 15.90 15.97 13.90 13.46 13.30 13.46 13.46 210" 16.95 15.96 14.76 15.93 15.98 15.98 15.98 15.98 13.47 13.39 13.46 13.46 210" 16.96 15.97 14.71 15.87 15.92 15.91 15.96 13.42 13.32 13.46 13.46 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.92 15.94 15.95 13.42 13.32 13.44 13.46 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.95 13.42 13.39 13.48 13.46 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.95 13.42 13.30 13.48 13.40 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.95 13.42 13.39 13.48 13.40 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.95 13.42 13.30 13.43 13.40 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.95 13.42 13.30 13.43 13.40 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.95 13.42 13.30 13.43 13.40 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.95 13.42 13.30 13.43 13.40 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.95 13.80 13.30 13.43 13.40 210" 16.90 15.94 14.73 15.91 15.90 15.87 15.95 13.42 13.30 13.43 13.40 210" 16.90 15.90 14.44 15.90 15.90 15.87 15.95 13.40 13.30 13.43 13.40 210" 16.90 15.90 14.41 15.90 15.90 15.97 15.97 13.44 13.30 13.43 13.40 210" 16.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15.90 15			214°	16.91	15.89	14.71	15.91	15.87	15.85	15.93	13.44	13.36	13.39	13.39
2111 16,86			213° 212°	16.90 16.91	15.96 15.97	14.77 14.81	15.83 15.84	15.96 15.97	15.88 15.94		13.41 13.42	13.33 13.42	13.41 13.41	13.38 13.46
Ligitop Ligitop 16:98 15:91 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:98 15:91 15:91 15:91 15:91 15:91 15:92 15:91 15:92 15:91 15:91 15:92 15:91 15:91 15:92 15:92 15:91 15:91 15:91 15:91 15:92 15:92 15:93 15:94 15:94 15:94 15:95 15:94 15:94 15:95 15:94 15:94 15:95 15:94 15:94 15:95 15:94 15:96			211°	16.89	15.89	14.80	15.83	15.92	15.94	15.90	13.46	13.33	13.47	13.39
1907 16.98 15.91 14.77 15.89 15.91 15.84 15.99 13.43 13.40 13.46 13.45 18.97 18.97 18.95 15.92 15.92 15.91 15.91 15.91 13.47 13.39 13.44 13.46 13.46 13.47 13.39 13.44 13.46 13.47 13.39 13.44 13.46 13.47 13.39 13.44 13.46 13.47 13.39 13.44 13.46 13.47 13.47 13.40 13.47 13.40 13.47 13.48 13.47 13.48 13.47 13.48 13.47 13.48 13.47 13.48 13.48 13.42 13.32 13.44 13.46 13.47 13.47 13.48 13.47 13.48 13.47 13.48 13.47 13.48 13.47 13.48 13.47 13.48 13.47 13.48 13.47 13.48 13.48 13.49 13.44 13.48 13.47 13.48 13.47 13.48 13.47 13.48														
Laptop 170" 16.92 15.89 14.76 15.93 15.88 15.94 15.95 13.38 13.39 13.46 13.42 15.67			190°	16.96	15.91	14.77	15.89	15.91	15.84	15.99	13.43	13.40	13.46	13.45
160° 16.96 15.97 14.71 15.87 15.92 15.94 15.95 13.42 13.32 13.44 13.46 14.71 15.86 15.92 15.91 15.95 13.42 13.39 13.41 13.46 14.71 15.86 15.92 15.91 15.95 13.42 13.39 13.41 13.46 14.72 15.91 15.90 15.97 15.95 13.42 13.38 13.48 13.43 13.47 13.40 13.39 13.41 13.40 13.40 13.39 13.33 13.40 13.34 13.40 13.34 13.40 13.36 13.41 13.40		1	170°	16.92	15.89	14.76	15.93	15.88		15.95	13.38	13.39	13.46	13.42
140" 16:99		Laptop	160°	16.96	15.97	14.71	15.87	15.92	15.94	15.95	13.42	13.32	13.44	13.48
137														
110° 16.98 15.99 14.80 15.00 15.06 15.95 15.95 13.41 13.22 13.45 13.36 13.36 100° 16.96 15.90 15.96 14.74 15.89 15.94 15.92 15.97 13.42 13.37 13.45 13.46 13.36 13.46 13.36 13.46 13.36 13.46			130°	16.96	15.94	14.75	15.87	15.97	15.91	15.94	13.38	13.38	13.40	13.40
100" 16:90 15:98 14:74 15:89 15:94 15:92 15:94 13:41 13:39 13:38 13:45 13:45 15:99 15:94 15:92 15:97 13:42 13:37 13:43 13:42 13:37 13:43 13:42 13:47 15:99 15:95 15:95 13:45 13:45 13:40 13:41 13:40 13:40 13:41 13:41 13:40 13:41 13:40 13:41 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 13:41 13:40 13:41 1			110°	16.98	15.89	14.80	15.90	15.95	15.93	15.96	13.41	13.32	13.45	13.38
80° 16:96 11:98 14:73 15:91 15:88 15:87 15:98 13:41 13:35 13:42 13:42 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:46 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13:40 13:41 13							15.89						13.38	13.45
77° 16.97 15.92 14.74 15.87 15.94 15.91 15.95 13.45 13.40 13.41 13.46 13.40 13.41 13.46 13.40 13.41 13.46 13.40 13.41 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.40 13.41 13.41 13.40 13.41 13.41 13.40 13.41 13.41 13.41 13.40 13.41			80°	16.95	15.95	14.73	15.91	15.88	15.87	15.95	13.41	13.35	13.42	13.42
59° 16.89 15.93 14.72 15.89 15.87 15.94 15.69 13.45 13.39 13.42 13.47	1													
30° 16.90 15.91 14.73 15.88 15.91 15.91 15.95 13.38 13.37 13.44 13.40	1		50°	16.89	15.93	14.78	15.89	15.87	15.94	15.96	13.45	13.39	13.42	13.47
Lid close 20° 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1													
Laptop 30' 1691 158 158 144.2 1889 1884 1891 1893 1894 1393 1394 1393 1394 1393 1394 1393 1394 1393 1394 1393 1394 1394	1	Lid close	20°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29° 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.														
27" 0.00 0			29°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25° 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.			27°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lif close 24* 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.			26°		0.00		0.00	0.00		0.00	0.00	0.00		0.00
23° 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.		Lid close	24°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21* 0.00			23°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10° 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0			21°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			10°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1	Î.	0°						0.00		0.00			

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Antenna	Operation mode	Lid angle	802.11b		802.11ac(160M) 5.2G	802.11ac(80M) 5.3G	802.11ac(160M) 5.6G	802.11ac(80M) 5.8G	802.11ac(160M) 5.9G	802.11ax(160M) 6.2G	802.11ax(160M) 6.5G	802.11ax(160M) 6.7G	802.11ax(160M) 7.0G
	Lid close	0° 10°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		20°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Laptop	30° 25°	17.48 0.00	15.92 0.00	14.30 0.00	15.95 0.00	15.99 0.00	15.95 0.00	15.98 0.00	13.49 0.00	13.48 0.00	13.48	13.45 0.00
	Lid close	26° 27°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Eld Globe	28°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-	29°	0.00 17.46	0.00 15.91	0.00 14.25	0.00 15.88	0.00 15.92	0.00 15.85	0.00 15.95	0.00 13.41	0.00 13.48	0.00 13.47	0.00 13.45
		31°	17.40	15.87	14.26	15.88 15.89	15.94 15.94	15.93 15.89	15.97	13.44	13.48	13.39 13.48	13.37
		32°	17.41 17.38	15.86 15.87	14.25 14.30	15.89	15.94 15.94	15.89 15.85	15.91 15.88	13.46 13.41	13.42 13.38	13.48	13.39 13.43
		34° 35°	17.38 17.47	15.84 15.84	14.23 14.29	15.89 15.92	15.95 15.89	15.86 15.88	15.88 15.89	13.48 13.48	13.43 13.38	13.40 13.47	13.43 13.39
		45°	17.39	15.88	14.20	15.89	15.90	15.94	15.97	13.41	13.39	13.42	13.41
		55°	17.48 17.45	15.84 15.89	14.24 14.24	15.95 15.87	15.90 15.93	15.86 15.88	15.91 15.98	13.42 13.45	13.46 13.38	13.42	13.35 13.35
		75°	17.47	15.90	14.23	15.86	15.99	15.87	15.88	13.46	13.42	13.42	13.40
		85° 95°	17.44 17.48	15.90 15.83	14.24 14.24	15.93 15.94	15.89 15.99	15.85 15.88	15.95 15.92	13.43 13.39	13.46 13.45	13.42 13.45	13.42 13.38
	Laptop	105°	17.39	15.92	14.25	15.92	15.90	15.95	15.93	13.44	13.41	13.42	13.41
		115° 125°	17.38 17.47	15.86 15.91	14.25 14.29	15.92 15.92	15.94 15.91	15.94 15.89	15.90 15.98	13.45 13.46	13.44 13.39	13.47 13.48	13.35 13.40
		135° 145°	17.40 17.46	15.89 15.91	14.21 14.25	15.91 15.87	15.89 15.95	15.87 15.95	15.91 15.93	13.40 13.46	13.42 13.47	13.38 13.38	13.43 13.36
		155°	17.42	15.89	14.28	15.92	15.96	15.87	15.92	13.41	13.39	13.45	13.36
		165°	17.45 17.40	15.89 15.88	14.20 14.24	15.85 15.86	15.97 15.92	15.94 15.95	15.89 15.88	13.43 13.41	13.46 13.42	13.45 13.47	13.43 13.37
		185°	17.44	15.89	14.30	15.90	15.89	15.93	15.94	13.43	13.39	13.40	13.36
		195° 205°	17.38 17.40	15.83 15.89	14.29 14.20	15.90 15.92	15.91 15.98	15.85 15.86	15.91 15.94	13.41 13.48	13.38 13.38	13.43 13.46	13.38 13.44
		215°	17.43	15.90	14.20	15.85	15.95	15.93	15.88	13.43	13.40	13.47	13.39
	Tablet	225° 220°	13.49 13.45	10.73 10.71	10.98 10.98	10.95 10.85	10.97 10.88	10.98 10.93	10.99 10.98	9.98 9.93	9.99 9.98	9.99 9.96	9.97 9.91
		215°	17.40	15.84	14.29	15.87	15.89	15.89	15.93	13.43	13.39	13.45	13.36
	Laptop	216° 217°	17.41 17.42	15.91 15.85	14.23 14.23	15.89 15.88	15.90 15.92	15.92 15.86	15.88 15.98	13.49 13.49	13.40 13.42	13.39 13.41	13.35 13.35
		218° 219°	17.41 17.47	15.87 15.89	14.29 14.27	15.92 15.90	15.95 15.92	15.91 15.88	15.93 15.95	13.47 13.42	13.43 13.39	13.39 13.39	13.37 13.39
		220°	13.49	10.69	10.88	10.87	10.87	10.96	10.90	9.93	9.92	9.96	9.87
		221° 222°	13.45 13.45	10.63 10.71	10.94 10.88	10.89 10.89	10.88 10.89	10.95 10.94	10.96 10.89	9.91 9.88	9.96 9.89	9.97 9.99	9.91 9.91
		223°	13.42	10.65	10.94	10.95	10.94	10.95	10.96	9.94	9.94	9.97	9.96
		224° 225°	13.44 13.44	10.68 10.69	10.95 10.92	10.93 10.86	10.93 10.87	10.89 10.90	10.97 10.96	9.98 9.96	9.98 9.93	9.90 9.97	9.97 9.96
		235° 245°	13.46 13.42	10.69 10.68	10.98 10.94	10.88 10.87	10.94 10.91	10.92 10.89	10.91 10.89	9.92 9.98	9.89 9.90	9.90 9.99	9.94 9.90
		245 255°	13.40	10.72	10.94	10.92	10.91	10.99	10.89	9.98	9.95	9.97	9.91
	Tablet	265° 275°	13.43 13.44	10.66 10.69	10.96 10.91	10.89 10.92	10.96 10.90	10.95 10.88	10.92 10.93	9.88 9.94	9.90 9.93	9.98 9.89	9.97 9.91
		285°	13.40	10.66	10.88	10.94	10.94	10.91	10.97	9.94	9.97	9.95	9.88
		295° 305°	13.43 13.46	10.68 10.63	10.95 10.90	10.91 10.90	10.88 10.91	10.97 10.92	10.93 10.95	9.98 9.91	9.94 9.90	9.89 9.91	9.97 9.89
		315°	13.43	10.71	10.88	10.85	10.94	10.95	10.94	9.98	9.91	9.90	9.89
		325° 335°	13.42 13.40	10.64 10.71	10.92 10.90	10.93 10.91	10.90 10.95	10.89 10.88	10.99 10.96	9.89 9.90	9.98 9.99	9.91 9.97	9.96 9.94
		345° 355°	13.46 13.40	10.65 10.70	10.88 10.91	10.90 10.86	10.92 10.89	10.89 10.97	10.91 10.93	9.89 9.91	9.92 9.94	9.98 9.94	9.92 9.92
		360°	13.45	10.64	10.96	10.92	10.93	10.95	10.98	9.88	9.92	9.96	9.88
Aux		350° 340°	13.46 13.45	10.67 10.67	10.91 10.93	10.87 10.85	10.95 10.90	10.95 10.95	10.98 10.92	9.92 9.94	9.94 9.91	9.96 9.89	9.88 9.97
		330°	13.46	10.72	10.88	10.86	10.89	10.94	10.99	9.98	9.95	9.92	9.95
		320° 310°	13.39 13.45	10.65 10.66	10.92 10.93	10.85 10.92	10.96 10.94	10.94 10.93	10.90 10.89	9.96 9.98	9.97 9.92	9.97 9.99	9.95 9.89
		300° 290°	13.39 13.40	10.65 10.66	10.95 10.90	10.91 10.89	10.88 10.97	10.95 10.94	10.93 10.99	9.92 9.98	9.92 9.93	9.92 9.99	9.93 9.92
	Tablet	280°	13.44	10.67	10.93	10.91	10.96	10.92	10.92	9.91	9.90	9.94	9.89
		270° 260°	13.47 13.45	10.64 10.73	10.91 10.94	10.86 10.86	10.89 10.91	10.88 10.91	10.92 10.89	9.88 9.94	9.99 9.91	9.90 9.97	9.93 9.87
		250°	13.41	10.68	10.94	10.95	10.94	10.97	10.92	9.94	9.94	9.98	9.93
		240° 230°	13.44 13.43	10.71 10.64	10.88 10.94	10.89 10.91	10.96 10.91	10.95 10.91	10.89 10.90	9.95 9.90	9.96 9.94	9.94 9.98	9.96 9.96
		220° 210°	13.45 17.45	10.72 15.85	10.88 14.29	10.93 15.93	10.97 15.89	10.95 15.88	10.89 15.92	9.92 13.44	9.97 13.44	9.90 13.48	9.87 13.42
	Laptop	215°	17.47	15.88	14.25	15.87	15.89	15.85	15.89	13.42	13.44	13.40	13.44
	Tablet	220° 219°	13.40 17.40	10.70 15.87	10.91 14.22	10.92 15.93	10.88 15.97	10.88 15.93	10.95 15.91	9.97 13.45	9.93 13.43	9.99 13.40	9.90 13.37
		218°	17.48 17.38	15.91	14.24	15.93 15.85	15.91 15.98	15.88 15.94	15.90 15.97	13.45 13.49	13.48 13.38	13.41	13.39
		217° 216°	17.46	15.91 15.89	14.24 14.29	15.94	15.97	15.88	15.96	13.41	13.45	13.40	13.37 13.38
		215° 214°	17.41 17.39	15.86 15.91	14.25 14.21	15.92 15.91	15.92 15.94	15.94 15.95	15.94 15.98	13.43 13.49	13.46 13.41	13.48 13.43	13.36 13.35
		213°	17.43	15.91	14.26	15.94	15.97	15.90	15.97	13.41	13.46	13.44	13.44
		212° 211°	17.46 17.41	15.82 15.86	14.21 14.21	15.87 15.95	15.91 15.94	15.91 15.90	15.90 15.98	13.39 13.40	13.43 13.43	13.40 13.45	13.36 13.44
		210°	17.40	15.89	14.28	15.95	15.92	15.95	15.97	13.39	13.42	13.38	13.44
		200° 190°	17.45 17.39	15.91 15.89	14.23 14.26	15.92 15.88	15.98 15.91	15.94 15.86	15.88 15.89	13.43 13.46	13.39 13.47	13.44 13.41	13.41 13.41
		180°	17.47	15.85	14.22	15.93	15.94	15.87	15.97	13.49	13.41	13.46	13.40
	Laptop	170° 160°	17.41 17.45	15.91 15.87	14.25 14.20	15.90 15.92	15.95 15.91	15.90 15.94	15.96 15.96	13.47 13.49	13.45 13.38	13.44 13.40	13.35 13.45
		150°	17.48	15.90	14.26	15.85	15.90	15.90	15.95	13.46	13.38	13.40	13.38
		140° 130°	17.43 17.46	15.89 15.82	14.27 14.23	15.87 15.92	15.90 15.89	15.88 15.92	15.98 15.89	13.41 13.40	13.43 13.39	13.38 13.46	13.37 13.37
		120°	17.41	15.90	14.26	15.86	15.95	15.85	15.94	13.45	13.44	13.39	13.41
		110° 100°	17.38 17.44	15.86 15.86	14.26 14.30	15.87 15.86	15.93 15.90	15.90 15.95	15.98 15.96	13.44 13.47	13.42 13.43	13.42 13.47	13.43 13.38
		90°	17.44	15.90	14.29	15.88	15.89	15.89	15.90	13.40	13.48	13.48	13.38
		80° 70°	17.38 17.46	15.84 15.82	14.26 14.23	15.91 15.95	15.92 15.97	15.89 15.90	15.97 15.98	13.43 13.39	13.41 13.40	13.44 13.38	13.43 13.36
		60°	17.42	15.92	14.20	15.91	15.91	15.90	15.98	13.45	13.44	13.46	13.39
		50° 40°	17.46 17.39	15.83 15.91	14.29 14.28	15.95 15.92	15.97 15.93	15.90 15.91	15.88 15.90	13.41 13.48	13.42 13.38	13.46 13.47	13.39 13.41
		30°	17.47	15.88	14.26	15.95	15.94	15.93	15.96	13.45	13.47	13.38	13.39
	Lid close	20° 25°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Laptop	30° 29°	17.44 0.00	15.82 0.00	14.26 0.00	15.85 0.00	15.92 0.00	15.89 0.00	15.97 0.00	13.48	13.45 0.00	13.39	13.36 0.00
		28°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		27° 26°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		25°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lid close	24° 23°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		22°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		21° 20°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		10°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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§ 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 Oc	cupational/Controlled Ex	posure	
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 Genera	l Population/Uncontrolle	d 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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MAXIMUM OUTPUT POWER

6.1 **WLAN**

Notabook mode

Notebook mode	•					
		An	it Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		17.00	16.93
	802.11b	6	2437	1Mbps	17.00	16.99
		11	2462		17.00	16.93
	802.11g	1	2412		17.00	16.74
		6	2437	6Mbps	17.00	16.67
		11	2462		17.00	16.85
		1	2412	MCS0	17.00	16.78
	802.11n20-HT0	6	2437		17.00	16.70
2.45GHz		11	2462		17.00	16.83
2.400112		1	2412		17.00	16.69
	802.11ax20-HE0	6	2437	MCS0	17.00	16.65
		11	2462		17.00	16.76
		3	2422		16.00	15.71
	802.11n40-HT0	6	2437	MCS0	17.00	16.77
		9	2452		16.00	15.68
		3	2422]	16.00	15.84
	802.11ax40-HE0	6	2437	MCS0	17.00	16.72
		9	2452		16.00	15.70

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		An	t Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		16.00	15.65
	802.11a	40	5200	GMbps	16.00	15.69
	002.11a	44	5220	6Mbps	16.00	15.76
		48	5240		16.00	15.76
	802.11n20-HT0	36	5180		16.00	15.80
		40	5200	MCS0	16.00	15.68
		44	5220		16.00	15.80
		48	5240		16.00	15.85
		36	5180		16.00	15.78
5.15-5.25 GHz	802.11ax20-HE0	40	5200	MCS0	16.00	15.66
5.15-5.25 GHZ	002.11ax20-nE0	44	5220	IVICSU	16.00	15.80
		48	5240		16.00	15.73
	802.11n40-HT0	38	5190	MCS0	16.00	15.65
	002. Ι ΙΠ 4 0-Π Ι 0	46	5230	IVICSU	16.00	15.79
	802.11ax40-HE0	38	5190	MCS0	16.00	15.72
	002.11dX4U-NEU	46	5230	IVICSU	16.00	15.66
	802.11ac80-VHT0	42	5210	MCS0	16.00	15.98
	802.11ax80-HE0	42	5210	MCS0	16.00	15.80
	802.11ac160-VHT0	50	5250	MCS0	15.00	14.81
	802.11ax160-HE0	50	5250	MCS0	15.00	14.66

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Ant Main									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		52	5260]	16.00	15.68			
	802.11a	56	5280	6Mbps	16.00	15.80			
	002.11a	60	5300	Olvibps	16.00	15.79			
		64	5320		16.00	15.66			
	802.11n20-HT0	52	5260	MCS0	16.00	15.76			
		56	5280		16.00	15.77			
		60	5300		16.00	15.79			
		64	5320		16.00	15.77			
5.25-5.35 GHz	802.11ax20-HE0	52	5260	MCS0 16.00 16.00 16.00 16.00	16.00	15.83			
3.23-3.33 GHZ		56	5280		16.00	15.81			
		60	5300		16.00	15.81			
		64	5320		15.80				
	802.11n40-HT0	54	5270	MCS0	16.00	15.76			
	002.111140-1110	62	5310	IVICOU	16.00	15.79			
	802.11ax40-HE0	54	5270	MCS0	16.00	15.81			
		62	5310		16.00	15.74			
	802.11ac80-VHT0	58	5290	MCS0	16.00	15.93			
	802.11ax80-HE0	58	5290	MCS0	16.00	15.83			

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		Δ				
		An I	t Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		16.00	15.70
	000.44=	120	5600	CMb no	16.00	15.74
	802.11a	140	5700	6Mbps	16.00	15.67
		144	5720	1	16.00	15.73
		100	5500		16.00	15.69
	000 11-20 LITO	120	5600	MCS0	16.00	15.82
	802.11n20-HT0	140	5700	IVICSU	16.00	15.82
		144	5720		16.00	15.69
		100	5500	MCS0	16.00	15.74
	000 44-200 LIEO	120	5600		16.00	15.73
	802.11ax20-HE0	140	5700		16.00	15.72
		144	5720		16.00	15.83
		102	5510	MCS0	16.00	15.69
5.6GHz	802.11n40-HT0	118	5590		16.00	15.69
3.0GHZ	602.1111 4 0-H10	134	5670		16.00	15.82
		142	5710		16.00	15.69
		102	5510		16.00	15.73
	000 4440 1/50	118	5590	MCS0	16.00	15.76
	802.11ax40-HE0	134	5670	IVICSU	16.00	15.70
		142	5710		16.00	15.84
		106	5530		16.00	15.95
	802.11ac80-VHT0	122	5610	MCS0	16.00	15.88
		138	5690		16.00	15.97
		106	5530	MCS0	16.00	15.83
	802.11ax80-HE0	122	5610		16.00	15.65
		138	5690		16.00	15.81
	802.11ac160-VHT0	114	5570	MCS0	16.00	15.97
	802.11ax160-HE0	114	5570	MCS0	16.00	15.68

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		Λ	t Main			
	T	An An	t Main	I		
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		16.00	15.83
	802.11a	157	5785	6Mbps	16.00	15.84
		165	5825		16.00	15.80
	802.11n20-HT0	149	5745	MCS0	16.00	15.66
		157	5785		16.00	15.78
		165	5825		16.00	15.68
	802.11ax20-HE0	149	5745	MCS0	16.00	15.69
5.8GHz		157	5785		16.00	15.76
		165	5825		16.00	15.78
	802.11n40-HT0	151	5755	MCS0 16.00	16.00	15.69
	002.111140-1110	159	5795		16.00	15.76
	802.11ax40-HE0	151	5755	MCS0	16.00	15.72
	002.11dX40-11L0	159	5795	IVICOU	16.00	15.84
	802.11ac80-VHT0	155	5775	MCS0	16.00	15.94
	802.11ax80-HE0	155	5775	MCS0	16.00	15.73

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		Δ	4 N.4			
		An	t Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		16.00	15.91
	802.11a	173	5865	6Mbps	16.00	15.77
		177	5885		16.00	15.87
		169	5845		16.00	15.86
	802.11n20-HT0	173	5865	MCS0	16.00	15.89
		177	5885		16.00	15.77
		169	5845	MCS0	16.00	15.86
	802.11ax20-HE0	173	5865		16.00	15.90
5.9GHz		177	5885		16.00	15.88
	802.11n40-HT0	167	5835	MCS0	16.00	15.80
		175	5875		16.00	15.82
	902 44 av 40 LIFO	167	5835	MCS0	16.00	15.90
	802.11ax40-HE0	175	5875		16.00	15.84
	802.11ac80-VHT0	171	5855	MCS0	16.00	15.86
	802.11ax80-HE0	171	5855	MCS0	16.00	15.95
	802.11ac160-VHT0	163	5815	MCS0	16.00	15.99
	802.11ax160-HE0	163	5815	MCS0	16.00	15.87

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Ant Aux									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		1	2412		17.50	17.44			
	802.11b	6	2437	1Mbps	17.50	17.48			
		11	2462		17.50	17.42			
	802.11g	1	2412		17.50	17.33			
		6	2437	6Mbps	17.50	17.33			
		11	2462		17.50	17.33			
	802.11n20-HT0	1	2412	MCS0	17.50	17.32			
		6	2437		17.50	17.27			
2.45GHz		11	2462		17.50	17.27			
2.430112	802.11ax20-HE0	1	2412	MCS0	17.50	17.16			
		6	2437		17.50	17.29			
		11	2462		17.50	17.16			
		3	2422		16.25	16.07			
	802.11n40-HT0	6	2437	MCS0	17.50	17.30			
		9	2452	2452 17.50	17.50	17.21			
	802.11ax40-HE0	3	2422	MCS0	16.25	15.91			
		6	2437		17.50	17.21			
		9	2452		17.50	17.28			

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Ant Aux									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		36	5180		16.00	15.72			
	802.11a	40	5200	6Mbps	16.00	15.78			
	002.11a	44	5220	Olvibbs	16.00	15.73			
		48	5240		16.00	15.85			
	802.11n20-HT0	36	5180	MCS0	16.00	15.80			
		40	5200		16.00	15.71			
		44	5220		16.00	15.74			
		48	5240		16.00	15.71			
		36	5180	MCS0	16.00	15.71			
5.15-5.25 GHz	802.11ax20-HE0	40	5200		16.00	15.68			
3.13-3.23 GHZ	802.11ax20-HE0	44	5220		16.00	15.80			
		48	5240		16.00	15.83			
	802.11n40-HT0	38	5190	MCS0 16.00	16.00	15.79			
	802.111140-1110	46	5230		16.00	15.78			
	802.11ax40-HE0	38	5190	MCS0	16.00	15.80			
	802.118X40-HE0	46	5230		16.00	15.80			
	802.11ac80-VHT0	42	5210	MCS0	16.00	15.92			
	802.11ax80-HE0	42	5210	MCS0	16.00	15.81			
	802.11ac160-VHT0	50	5250	MCS0	14.50	14.30			
	802.11ax160-HE0	50	5250	MCS0	14.50	14.30			

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		Ar	nt Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260]	16.00	15.75
	802.11a	56	5280	6Mbps	16.00	15.74
	002.11a	60	5300	Olvibps	16.00	15.74
		64	5320		16.00	15.71
		52	5260		16.00	15.76
	802.11n20-HT0	56	5280	MCS0	16.00	15.78
	002.111120-1110	60	5300		16.00	15.66
		64	5320		16.00	15.69
5.25-5.35 GHz		52	5260		16.00	15.70
3.23-3.33 GHZ	802.11ax20-HE0	56	5280	MCS0	16.00	15.80
	002.11ax20-HEU	60	5300	IVICSU	16.00	15.69
		64	5320		16.00	15.68
	802.11n40-HT0	54	5270	MCS0	16.00	15.79
	ου2. Ι ΙΠ 4 υ-Π Ι υ	62	5310	IVICSU	16.00	15.85
	802.11ax40-HE0	54	5270	MCSO	16.00	15.85
	002.11dX40-NEU	62	5310	MCS0	16.00	15.78
	802.11ac80-VHT0	58	5290	MCS0	16.00	15.95
	802.11ax80-HE0	58	5290	MCS0	16.00	15.83

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		Ar	nt Aux	1		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		16.00	15.71
	000.44-	120	5600	CN //	16.00	15.68
	802.11a	140	5700	6Mbps	16.00	15.83
		144	5720	1	16.00	15.75
		100	5500		16.00	15.81
	000 44×00 LITO	120	5600	MOSO	16.00	15.68
	802.11n20-HT0	140	5700	MCS0	16.00	15.76
		144	5720		16.00	15.79
		100	5500		16.00	15.74
	902 11av20 UE0	120	5600	MCS0	16.00	15.70
	802.11ax20-HE0	140	5700	IVICSU	16.00	15.69
		144	5720		16.00	15.83
		102	5510		16.00	15.79
5.6GHz	802.11n40-HT0	118	5590	MCS0	16.00	15.77
3.0GI IZ	002.111140-1110	134	5670	IVICOU	16.00	15.68
		142	5710		16.00	15.77
		102	5510		16.00	15.81
	802.11ax40-HE0	118	5590	MCS0	16.00	15.79
	002.11ax40-11L0	134	5670	IVICOU	16.00	15.65
		142	5710		16.00	15.70
		106	5530]	16.00	15.95
	802.11ac80-VHT0	122	5610	MCS0	16.00	15.92
		138	5690		16.00	15.99
		106	5530]	16.00	15.72
	802.11ax80-HE0	122	5610	MCS0	16.00	15.73
		138	5690		16.00	15.76
	802.11ac160-VHT0	114	5570	MCS0	16.00	15.99
	802.11ax160-HE0	114	5570	MCS0	16.00	15.71

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A 1 A									
		Ar	nt Aux						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
_		149	5745		16.00	15.66			
	802.11a	157	5785	6Mbps	16.00	15.79			
		165	5825		16.00	15.83			
		149	5745	MCS0	16.00	15.72			
	802.11n20-HT0	157	5785		16.00	15.82			
		165	5825		16.00	15.67			
		149	5745		16.00	15.84			
5.8GHz	802.11ax20-HE0	157	5785	MCS0	16.00	15.73			
		165	5825		16.00	15.69			
	802.11n40-HT0	151	5755	MCS0	16.00	15.78			
	002.111140-1110	159	5795	IVICSU	16.00	15.81			
	802.11ax40-HE0	151	5755	MCS0	16.00	15.73			
	002.11ax40-11E0	159	5795	IVICOU	16.00	15.76			
	802.11ac80-VHT0	155	5775	MCS0	16.00	15.95			
	802.11ax80-HE0	155	5775	MCS0	16.00	15.78			

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		Ar	nt Aux			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		16.00	15.95
	802.11a	173	5865	6Mbps	16.00	15.87
		177	5885		16.00	15.78
		169	5845		16.00	15.89
	802.11n20-HT0	173	5865	MCS0	16.00	15.86
		177	5885		16.00	15.91
		169	5845	MCS0	16.00	15.87
	802.11ax20-HE0	173	5865		16.00	15.79
5.9GHz		177	5885		16.00	15.88
	802.11n40-HT0	167	5835	MCS0	16.00	15.91
	002.111140-1110	175	5875	IVICSU	16.00	15.80
	802.11ax40-HE0	167	5835	MCS0	16.00	15.76
	002.11ax40-⊓⊑0	175	5875	IVICSU	16.00	15.79
	802.11ac80-VHT0	171	5855	MCS0	16.00	15.83
	802.11ax80-HE0	171	5855	MCS0	16.00	15.77
	802.11ac160-VHT0	163	5815	MCS0	16.00	15.98
	802.11ax160-HE0	163	5815	MCS0	16.00	15.77

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Tablet mode

Tablet Illoue						
		An	<u>t Main</u>			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		13.00	12.92
	802.11b	6	2437	1Mbps	13.00	12.90
		11	2462		13.00	12.97
		1	2412		13.00	12.82
	802.11g	6	2437	6Mbps	13.00	12.74
		11	2462		13.00	12.82
		1	2412		13.00	12.85
	802.11n20-HT0	6	2437	MCS0	13.00	12.80
2.45GHz		11	2462		13.00	12.80
2.43GI IZ		1	2412		13.00	12.84
	802.11ax20-HE0	6	2437	MCS0	13.00	12.83
		11	2462		13.00	12.84
		3	2422		13.00	12.84
	802.11n40-HT0	6	2437	MCS0	13.00	12.87
		9	2452		13.00	12.87
		3	2422		13.00	12.87
	802.11ax40-HE0	6	2437	MCS0	13.00	12.82
		9	2452		13.00	12.85

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		An	t Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		10.00	9.89
	802.11a	40	5200	GMbps	10.00	9.82
	002.11a	44	5220	6Mbps	10.00	9.73
		48	5240	1	10.00	9.88
		36	5180		10.00	9.73
	802.11n20-HT0	40	5200	MCS0	10.00	9.71
	002.111120-1110	44	5220	IVICSU	10.00	9.73
		48	5240		10.00	9.75
		36	5180		10.00	9.81
5.15-5.25 GHz	802.11ax20-HE0	40	5200	MCS0	10.00	9.87
J. 13-3.23 GHZ	002.11dx20-11L0	44	5220	IVICSU	10.00	9.83
		48	5240		10.00	9.77
	802.11n40-HT0	38	5190	MCS0	10.00	9.72
	002.111140-1110	46	5230	IVICSU	10.00	9.84
	802.11ax40-HE0	38	5190	MCS0	10.00	9.78
	002.11dX4U-MEU	46	5230	IVICSU	10.00	9.79
	802.11ac80-VHT0	42	5210	MCS0	10.00	9.85
	802.11ax80-HE0	42	5210	MCS0	10.00	9.72
	802.11ac160-VHT0	50	5250	MCS0	10.00	9.95
	802.11ax160-HE0	50	5250	MCS0	10.00	9.82

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		An	t Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260]	10.00	9.71
	802.11a	56	5280	6Mbps	10.00	9.79
	002.114	60	5300	Olvibps	10.00	9.78
		64	5320		10.00	9.83
		52	5260	MCS0	10.00	9.79
	802.11n20-HT0	56	5280		10.00	9.85
	002.111120-1110	60	5300		10.00	9.76
		64	5320		10.00	9.88
5.25-5.35 GHz		52	5260		10.00	9.86
0.20-0.00 Of IZ	802.11ax20-HE0	56	5280	MCS0	10.00	9.90
	002.11ax20-11c0	60	5300	IVIOOU	10.00	9.72
		64	5320		10.00	9.84
	802.11n40-HT0	54	5270	MCS0	10.00	9.79
	002.111140-1110	62	5310	10000	10.00	9.85
	802.11ax40-HE0	54	5270	MCS0	10.00	9.80
	002.11ax40-11EU	62	5310	IVICSU	10.00	9.81
,	802.11ac80-VHT0	58	5290	MCS0	10.00	9.98
	802.11ax80-HE0	58	5290	MCS0	10.00	9.88

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		An	t Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		10.00	9.76
	000.44-	120	5600	CN //	10.00	9.77
	802.11a	140	5700	6Mbps	10.00	9.76
		144	5720	1	10.00	9.82
		100	5500		10.00	9.83
	000 44×00 LITO	120	5600	MOSO	10.00	9.87
	802.11n20-HT0	140	5700	MCS0	10.00	9.83
		144	5720	1	10.00	9.84
	802.11ax20-HE0	100	5500		10.00	9.85
		120	5600	MCS0	10.00	9.71
	002.11ax20-nE0	140	5700	IVICSU	10.00	9.87
		144	5720		10.00	9.81
		102	5510		10.00	9.79
5.6GHz	802.11n40-HT0	118	5590	MCS0	10.00	9.86
3.0GHZ	002.1111 4 0-Π10	134	5670	IVICSU	10.00	9.72
		142	5710		10.00	9.72
		102	5510		10.00	9.74
	802.11ax40-HE0	118	5590	MCS0	10.00	9.90
	002.11ax40-11L0	134	5670	IVICOU	10.00	9.73
		142	5710		10.00	9.81
		106	5530]	10.00	9.96
	802.11ac80-VHT0	122	5610	MCS0	10.00	9.88
		138	5690		10.00	9.92
		106	5530]	10.00	9.86
	802.11ax80-HE0	122	5610	MCS0	10.00	9.80
		138	5690		10.00	9.85
	802.11ac160-VHT0	114	5570	MCS0	10.00	9.95
	802.11ax160-HE0	114	5570	MCS0	10.00	9.72

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		An	t Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		10.00	9.85
	802.11a	157	5785	6Mbps	10.00	9.75
		165	5825		10.00	9.78
		149	5745	MCS0	10.00	9.82
	802.11n20-HT0	157	5785		10.00	9.89
		165	5825		10.00	9.78
		149	5745		10.00	9.81
5.8GHz	802.11ax20-HE0	157	5785	MCS0	10.00	9.88
		165	5825		10.00	9.86
	802.11n40-HT0	151	5755	MCS0	10.00	9.77
	002.111140-1110	159	5795	IVICSU	10.00	9.70
	802.11ax40-HE0	151	5755	MCS0	10.00	9.70
	002.11ax40-11EU	159	5795	IVICOU	10.00	9.79
	802.11ac80-VHT0	155	5775	MCS0	10.00	9.93
	802.11ax80-HE0	155	5775	MCS0	10.00	9.73

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		An	t Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		10.00	9.93
	802.11a	173	5865	6Mbps	10.00	9.78
		177	5885		10.00	9.83
		169	5845		10.00	9.75
	802.11n20-HT0	173	5865	MCS0	10.00	9.81
		177	5885		10.00	9.81
		169	5845		10.00	9.77
	802.11ax20-HE0	173	5865	MCS0	10.00	9.86
5.9GHz		177	5885		10.00	9.95
	802.11n40-HT0	167	5835	MCS0	10.00	9.89
	002.111140-1110	175	5875	IVICSU	10.00	9.86
	802.11ax40-HE0	167	5835	MCS0	10.00	9.93
	002.11ax40-nE0	175	5875	IVICSU	10.00	9.90
	802.11ac80-VHT0	171	5855	MCS0	10.00	9.90
	802.11ax80-HE0	171	5855	MCS0	10.00	9.75
	802.11ac160-VHT0	163	5815	MCS0	10.00	9.98
	802.11ax160-HE0	163	5815	MCS0	10.00	9.92

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		Ar	nt Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		13.50	13.47
	802.11b	6	2437	1Mbps	13.50	13.48
		11	2462		13.50	13.49
		1	2412]	13.50	13.38
	802.11g	6	2437	6Mbps	13.50	13.20
		11	2462		13.50	13.36
		1	2412	MCS0	13.50	13.39
	802.11n20-HT0	6	2437		13.50	13.24
2.45GHz		11	2462		13.50	13.26
2.430112		1	2412		13.50	13.30
	802.11ax20-HE0	6	2437	MCS0	13.50	13.24
		11	2462		13.50	13.30
		3	2422		13.50	13.22
	802.11n40-HT0	6	2437	MCS0	13.50	13.22
		9	2452		13.50	13.35
		3	2422]	13.50	13.37
	802.11ax40-HE0	6	2437	MCS0	13.50	13.33
		9	2452		13.50	13.36

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		Ar	nt Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		11.00	10.89
	802.11a	40	5200	GMbps	11.00	10.87
	002.11a	44	5220	6Mbps	11.00	10.77
		48	5240	1	11.00	10.78
		36	5180		11.00	10.89
	802.11n20-HT0	40	5200	MCS0	11.00	10.74
	002.111120-1110	44	5220	IVICSU	11.00	10.82
		48	5240		11.00	10.86
		36	5180		11.00	10.76
5.15-5.25 GHz	802.11ax20-HE0	40	5200	MCS0	11.00	10.90
5.15-5.25 GHZ	002.11ax20-HE0	44	5220	IVICSU	11.00	10.88
		48	5240		11.00	10.70
	802.11n40-HT0	38	5190	MCS0	11.00	10.88
	002. Ι ΙΙΙ 4 0 - Π Ι 0	46	5230	IVICSU	11.00	10.74
	802.11ax40-HE0	38	5190	MCS0	11.00	10.76
	002.11ax40-mE0	46	5230	IVICSU	11.00	10.72
	802.11ac80-VHT0	42	5210	MCS0	11.00	10.73
	802.11ax80-HE0	42	5210	MCS0	11.00	10.79
	802.11ac160-VHT0	50	5250	MCS0	11.00	10.98
	802.11ax160-HE0	50	5250	MCS0	11.00	10.88

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		Ar	nt Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		11.00	10.80
	802.11a	56	5280	6Mbps	11.00	10.73
	002.114	60	5300	Olvibps	11.00	10.71
		64	5320		11.00	10.79
		52	5260	MCS0	11.00	10.74
	802.11n20-HT0	56	5280		11.00	10.83
	002.111120-1110	60	5300		11.00	10.78
		64	5320		11.00	10.86
5.25-5.35 GHz		52	5260		11.00	10.80
0.20-0.00 Of IZ	802.11ax20-HE0	56	5280	MCS0	11.00	10.82
	002.11ax20-11L0	60	5300	IVICOU	11.00	10.85
		64	5320		11.00	10.71
	802.11n40-HT0	54	5270	MCS0	11.00	10.82
	002.111140-1110	62	5310	IVICOU	11.00	10.78
	802.11ax40-HE0	54	5270	MCS0	11.00	10.75
	002.11ax40-11E0	62	5310	IVICOU	11.00	10.86
	802.11ac80-VHT0	58	5290	MCS0	11.00	10.95
	802.11ax80-HE0	58	5290	MCS0	11.00	10.80

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		Ar	nt Aux	1		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		11.00	10.76
	000 44 -	120	5600	CN //	11.00	10.88
	802.11a	140	5700	6Mbps	11.00	10.76
		144	5720	1	11.00	10.78
		100	5500		11.00	10.77
	000 44=00 LITO	120	5600	MOSO	11.00	10.74
	802.11n20-HT0	140	5700	MCS0	11.00	10.84
		144	5720		11.00	10.83
	802.11ax20-HE0	100	5500	MCS0	11.00	10.76
		120	5600		11.00	10.71
	002.11ax20-HE0	140	5700	IVICSU	11.00	10.74
		144	5720		11.00	10.90
		102	5510		11.00	10.85
5.6GHz	802.11n40-HT0	118	5590	MCS0	11.00	10.85
3.0GHZ	002.1111 4 0-Π10	134	5670	IVICSU	11.00	10.89
		142	5710		11.00	10.78
		102	5510		11.00	10.72
	802.11ax40-HE0	118	5590	MCS0	11.00	10.88
	002.11ax40-11L0	134	5670	IVICOU	11.00	10.78
		142	5710		11.00	10.83
		106	5530		11.00	10.96
	802.11ac80-VHT0	122	5610	MCS0	11.00	10.91
		138	5690		11.00	10.98
		106	5530		11.00	10.85
	802.11ax80-HE0	122	5610	MCS0	11.00	10.72
		138	5690		11.00	10.78
	802.11ac160-VHT0	114	5570	MCS0	11.00	10.97
	802.11ax160-HE0	114	5570	MCS0	11.00	10.81

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		Ar	nt Aux			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		11.00	10.73
	802.11a	157	5785	6Mbps	11.00	10.78
		165	5825		11.00	10.76
		149	5745	MCS0	11.00	10.75
	802.11n20-HT0	157	5785		11.00	10.75
		165	5825		11.00	10.87
		149	5745		11.00	10.78
5.8GHz	802.11ax20-HE0	157	5785	MCS0	11.00	10.81
		165	5825		11.00	10.84
	802.11n40-HT0	151	5755	MCS0	11.00	10.84
	002.111140-H10	159	5795	IVICSU	11.00	10.88
	802.11ax40-HE0	151	5755	MCS0	11.00	10.84
	002.11dX40-HE0	159	5795	IVICSU	11.00	10.89
	802.11ac80-VHT0	155	5775	MCS0	11.00	10.98
	802.11ax80-HE0	155	5775	MCS0	11.00	10.81

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		Ar	nt Aux			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		11.00	10.93
	802.11a	173	5865	6Mbps	11.00	10.86
		177	5885		11.00	10.82
	802.11n20-HT0	169	5845		11.00	10.95
		173	5865	MCS0	11.00	10.92
		177	5885		11.00	10.91
		169	5845		11.00	10.90
	802.11ax20-HE0	173	5865	MCS0	11.00	10.85
5.9GHz		177	5885		11.00	10.81
	802.11n40-HT0	167	5835	MCS0	11.00	10.77
	002.111 14 0-F110	175	5875	IVICSU	11.00	10.81
	802.11ax40-HE0	167	5835	MCS0	11.00	10.88
	002.11ax40-⊓E0	175	5875	IVICSU	11.00	10.93
	802.11ac80-VHT0	171	5855	MCS0	11.00	10.76
	802.11ax80-HE0	171	5855	MCS0	11.00	10.93
	802.11ac160-VHT0	163	5815	MCS0	11.00	10.99
	802.11ax160-HE0	163	5815	MCS0	11.00	10.88

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Notehook mode

Notebook r	noae					
	1	1	Ant Main			1
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		13.50	13.22
	802.11ax20-HE0	45	6175	MCS0	13.50	13.27
		93	6415		13.50	13.30
		3	5965		13.50	13.19
	802.11ax40-HE0	43	6165	MCS0	13.50	13.16
U-NII-5		91	6405		13.50	13.21
6.2GHz		7	5985		13.50	13.24
-	802.11ax80-HE0	39	6145	MCS0	13.50	13.33
		87	6385		13.50	13.22
		15	6025		13.50	13.48
	802.11ax160-HE0	47	6185	MCS0	13.50	13.43
		79	6345		13.50	13.46
		_	Ant Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		13.50	13.29
	802.11ax20-HE0	105	6475	MCS0	13.50	13.28
		113	6515		13.50	13.16
U-NII-6	802.11ax40-HE0	99	6445	MCS0	13.50	13.31
6.5GHz	002.11ax40-11EU	107	6485	IVICOU	13.50	13.34
	802.11ax80-HE0	103	6465	MCS0	13.50	13.30
	002.11dX00-NEU	119	6545	IVICOU	13.50	13.20
	802.11ax160-HE0	111	6505	MCS0	13.50	13.42

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			Ant Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		13.50	13.29
	802.11ax20-HE0	149	6695	MCS0	13.50	13.27
		181	6855		13.50	13.29
		115	6525		13.50	13.18
U-NII-7	802.11ax40-HE0	147	6685	MCS0	13.50	13.29
6.7GHz		179	6845		13.50	13.16
0.7 GHZ		135	6625		13.50	13.29
	802.11ax80-HE0	151	6705	MCS0	13.50	13.18
		167	6785		13.50	13.30
	802.11ax160-HE0	143	6665	MCS0	13.50	13.48
	002.11ax100-11E0	175	6825	IVICSU	13.50	13.45
			Ant Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		13.50	13.30
	802.11ax20-HE0	209	6995	MCS0	13.50	13.20
		233	7115		13.50	13.22
U-NII-8	802.11ax40-HE0	187	6885	MCS0	13.50	13.22
7.0GHz	002. Ι Ιάλ 4 υ-Ι ΙΕΌ	227	7085	IVICOU	13.50	13.30
7.00112		183	6865		13.50	13.17
	802.11ax80-HE0	199	6945	MCS0	13.50	13.30
		215	7025		13.50	13.19
	802.11ax160-HE0	207	6985	MCS0	13.50	13.48

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			A 4 A			
			Ant Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		13.50	13.26
	802.11ax20-HE0	45	6175	MCS0	13.50	13.26
		93	6415		13.50	13.17
		3	5965		13.50	13.34
	802.11ax40-HE0	43	6165	MCS0	13.50	13.30
U-NII-5	91	6405]	13.50	13.22	
6.2GHz		7	5985	MCS0	13.50	13.27
	802.11ax80-HE0	39	6145		13.50	13.20
		87	6385		13.50	13.21
		15	6025		13.50	13.48
	802.11ax160-HE0	47	6185	MCS0	13.50	13.45
		79	6345		13.50	13.49
			Ant Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		13.50	13.27
	802.11ax20-HE0	105	6475	MCS0	13.50	13.21
		113	6515		13.50	13.26
U-NII-6	802.11ax40-HE0	99	6445	MCS0	13.50	13.19
6.5GHz	002.11ax40-11EU	107	6485	IVICOU	13.50	13.22
	802.11ax80-HE0	103	6465	MCS0	13.50	13.21
	OUZ. I TAXOU-I IEU	119	6545	IVICSU	13.50	13.33
	802.11ax160-HE0	111	6505	MCS0	13.50	13.48

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			Ant Aux			
			7 TIC 7 GA			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		13.50	13.16
	802.11ax20-HE0	149	6695	MCS0	13.50	13.31
		181	6855		13.50	13.34
		115	6525		13.50	13.16
U-NII-7	802.11ax40-HE0	147	6685	MCS0	13.50	13.28
6.7GHz		179	6845		13.50	13.27
0.7 GHZ		135	6625		13.50	13.16
	802.11ax80-HE0	151	6705	MCS0	13.50	13.20
		167	6785		13.50	13.25
	802.11ax160-HE0	143	6665	MCS0	13.50	13.47
	002.11ax100-11L0	175	6825	IVICOU	13.50	13.48
			Ant Aux			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		13.50	13.26
	802.11ax20-HE0	209	6995	MCS0	13.50	13.29
		233	7115		13.50	13.29
U-NII-8	802.11ax40-HE0	187	6885	MCS0	13.50	13.31
7.0GHz	OOZ. I TOATO-I ILU	227	7085	141000	13.50	13.20
7.00112		183	6865]	13.50	13.18
	802.11ax80-HE0	199	6945	MCS0	13.50	13.26
		215	7025		13.50	13.24
	802.11ax160-HE0	207	6985	MCS0	13.50	13.45

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Tablet mode

Iablet mode								
	I	T	Ant Main					
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)		
		1	5955		7.00	6.77		
	802.11ax20-HE0	45	6175	MCS0	7.00	6.77		
		93	6415		7.00	6.89		
		3	5965		10.00	9.73		
	802.11ax40-HE0	43	6165	MCS0	10.00	9.71		
U-NII-5	J-NII-5	91	6405		10.00	9.70		
6.2GHz	2GHz 802.11ax80-HE0	7	5985		10.00	9.71		
		39	6145	MCS0	10.00	9.79		
		87	6385		10.00	9.74		
		15	6025		10.00	9.99		
	802.11ax160-HE0	47	6185	MCS0	10.00	9.88		
		79	6345		10.00	9.96		
		_	Ant Main					
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)		
		97	6435		7.00	6.86		
	802.11ax20-HE0	105	6475	MCS0	7.00	6.74		
		113	6515		7.00	6.81		
U-NII-6	802.11ax40-HE0	99	6445	MCS0	10.00	9.83		
6.5GHz	OUZ. I TANHU-I IEU	107	6485	IVICOU	10.00	9.70		
	802.11ax80-HE0	103	6465	MCS0	10.00	9.79		
	002.11ax00-11E0	119	6545	IVICOU	10.00	9.77		
	802.11ax160-HE0	111	6505	MCS0	10.00	9.92		

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			A (B 4 :			
			Ant Main			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		7.00	6.80
	802.11ax20-HE0	149	6695	MCS0	7.00	6.75
		181	6855		7.00	6.85
		115	6525		10.00	9.75
U-NII-7	802.11ax40-HE0	147	6685	MCS0	10.00	9.84
6.7GHz		179	6845		10.00	9.76
6.7GHZ		135	6625		10.00	9.82
	802.11ax80-HE0	151	6705	MCS0	10.00	9.72
		167	6785		10.00	9.85
	802.11ax160-HE0	143	6665	MCS0	10.00	9.98
	002.11ax100-11L0	175	6825	IVICOU	10.00	9.93
			Ant Main			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		7.00	6.86
	802.11ax20-HE0	209	6995	MCS0	7.00	6.85
		233	7115		7.00	6.79
U-NII-8	802.11ax40-HE0	187	6885	MCS0	10.00	9.80
7.0GHz	OUZ. I TAXHU-I IEU	227	7085	IVICOU	10.00	9.86
1.0GI IZ		183	6865		10.00	9.83
	802.11ax80-HE0	199	6945	MCS0	10.00	9.89
		215	7025		10.00	9.87
	802.11ax160-HE0	207	6985	MCS0	10.00	9.95

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	1	1	Ant Aux			1
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		7.00	6.74
	802.11ax20-HE0	45	6175	MCS0	7.00	6.67
		93	6415]	7.00	6.71
		3	5965		10.00	9.65
	802.11ax40-HE0	43	6165	MCS0	10.00	9.71
U-NII-5		91	6405		10.00	9.69
6.2GHz		7	5985		10.00	9.84
	802.11ax80-HE0	39	6145	MCS0	10.00	9.73
		87	6385]	10.00	9.85
		15	6025		10.00	9.98
	802.11ax160-HE0	47	6185	MCS0	10.00	9.92
		79	6345		10.00	9.95
			Ant Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		7.00	6.85
	802.11ax20-HE0	105	6475	MCS0	7.00	6.83
		113	6515		7.00	6.70
U-NII-6	802.11ax40-HE0	99	6445	MCS0	10.00	9.76
6.5GHz	002.11ax 4 0-⊓⊑0	107	6485	IVICSU	10.00	9.77
	802.11ax80-HE0	103	6465	MCS0	10.00	9.73
	002.11ax00-nE0	119	6545	INIC20	10.00	9.71
	802.11ax160-HE0	111	6505	MCS0	10.00	9.99

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			Ant Aux			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		7.00	6.81
	802.11ax20-HE0	149	6695	MCS0	7.00	6.70
		181	6855		7.00	6.79
		115	6525		10.00	9.76
1111117	802.11ax40-HE0	147	6685	MCS0	10.00	9.76
6.7GHz	U-NII-7	179	6845		10.00	9.66
0.7GHZ		135	6625		10.00	9.85
	802.11ax80-HE0	151	6705	MCS0	10.00	9.66
		167	6785		10.00	9.83
	802.11ax160-HE0	143	6665	MCS0	10.00	9.99
	002.11ax100-⊓⊑0	175	6825	IVICSU	10.00	9.98
			Ant Aux			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		7.00	6.85
	802.11ax20-HE0	209	6995	MCS0	7.00	6.76
		233	7115		7.00	6.79
U-NII-8	802.11ax40-HE0	187	6885	MCS0	10.00	9.68
7.0GHz	OUZ. I TAX4U-I IEU	227	7085	IVICOU	10.00	9.84
1.0012		183	6865		10.00	9.69
	802.11ax80-HE0	199	6945	MCS0	10.00	9.71
		215	7025		10.00	9.82
	802.11ax160-HE0	207	6985	MCS0	10.00	9.97

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6.3 **Bluetooth**

			1Mbps		2Mbps		3Mbps	
Mode	Channel	Frequency (MHz)	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)
	CH 00	2402		8.89		7.38		7.24
BR/EDR	CH 39	2441	10.50	9.17	9.50	7.64	9.50	7.77
	CH 78	2480		9.58		8.05		8.09

6.4 **BLE**

Mode	Channel	Frequency		GFSK
Mode	Channel	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
	CH 00	2402		8.05
BLE_1M	CH 19	2440	9	8.39
	CH 39	2480		8.73
Mode	Channel	Frequency		GFSK
ivioue	Mode Channel Frequency (MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)	
	CH 00 2402			6.33
BLE_2M	CH 19	2440	9	6.78
	CH 39	2480		7.07

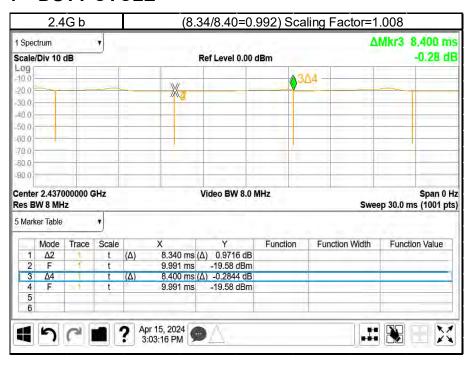
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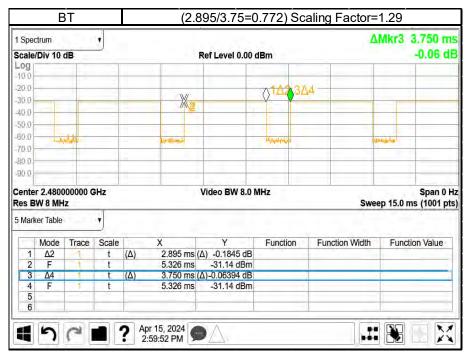
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DUTY CYCLE

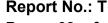




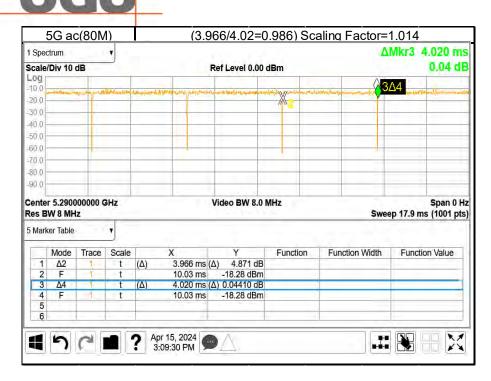
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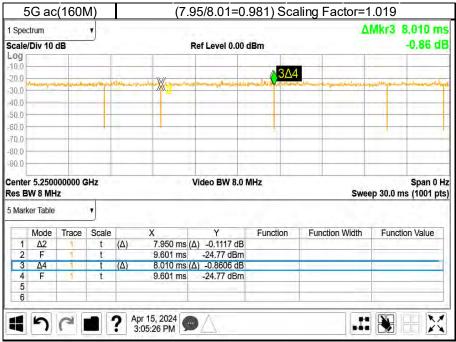
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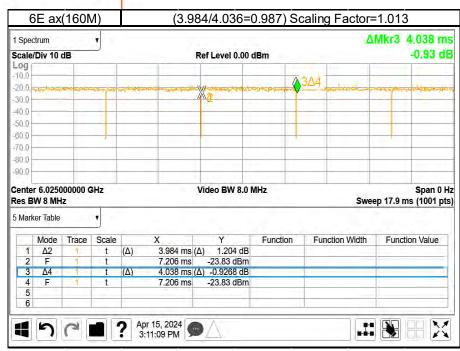
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SUMMARY OF RESULTS

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

Tablet mode

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Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
						Tolerance (dBm)	(dBm)	-	-	Measured	Reported	
WLAN 802.11b	Ant Main	Back Surface	0	1	2412	13.00	12.92	1.01	101.86%	1.040	1.068	-
WLAN 802.11b	Ant Main	Back Surface	0	6	2437	13.00	12.90	1.01	102.33%	1.050	1.083	-
WLAN 802.11b	Ant Main	Back Surface	0	11	2462	13.00	12.97	1.01	100.69%	1.070	1.086	001
WLAN 802.11b	Ant Main	Top Edge	0	11	2462	13.00	12.97	1.01	100.69%	0.025	0.025	
WLAN 802.11b	Ant Main	Left Edge	0	11	2462	13.00	12.97	1.01	100.69%	0.013	0.013	-
WLAN 802.11b	Ant Main	Right Edge	0	11	2462	13.00	12.97	1.01	100.69%	0.116	0.118	-
WLAN 802.11b	Ant Main	Bottom Edge	0	11	2462	13.00	12.97	1.01	100.69%	0.001	0.001	-
WLAN 802.11b	Ant Main	Back Surface*	0	11	2462	13.00	12.97	1.01	100.69%	1.030	1.045	-
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 Measured	over 1g (W/kg)	ID
WLAN 802.11ac(160M) 5.2G	Ant Main	Back Surface	0	50	5250	10.00	9.95	1.02	101.16%	0.957	0.986	002
WLAN 802.11ac(160M) 5.2G	Ant Main	Top Edge	0	50	5250	10.00	9.95	1.02	101.16%	0.044	0.045	-
WLAN 802.11ac(160M) 5.2G	Ant Main	Left Edge	0	50	5250	10.00	9.95	1.02	101.16%	0.029	0.030	
WLAN 802.11ac(160M) 5.2G	Ant Main	Right Edge	0	50	5250	10.00	9.95	1.02	101.16%	0.151	0.156	-
WLAN 802.11ac(160M) 5.2G	Ant Main	Bottom Edge	0	50	5250	10.00	9.95	1.02	101.16%	0.001	0.001	-
WLAN 802.11ac(160M) 5.2G	Ant Main	Back Surface*	0	50	5250	10.00	9.95	1.02	101.16%	0.001	0.960	
Band	Antiwain	Position Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power		over 1g (W/kg)	ID
			(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11ac(80M) 5.3G	Ant Main	Back Surface	0	58	5290	10.00	9.98	1.01	100.46%	0.982	1.000	003
WLAN 802.11ac(80M) 5.3G	Ant Main	Top Edge	0	58	5290	10.00	9.98	1.01	100.46%	0.045	0.046	
WLAN 802.11ac(80M) 5.3G	Ant Main	Left Edge	0	58	5290	10.00	9.98	1.01	100.46%	0.029	0.030	-
WLAN 802.11ac(80M) 5.3G	Ant Main	Right Edge	0	58	5290	10.00	9.98	1.01	100.46%	0.154	0.157	
WLAN 802.11ac(80M) 5.3G	Ant Main	Bottom Edge	0	58	5290	10.00	9.98	1.01	100.46%	0.001	0.001	-
WLAN 802.11ac(80M) 5.3G	Ant Main	Back Surface*	0	58	5290	10.00	9.98	1.01	100.46%	0.961	0.001	-
WLAN 802.11ac(80W) 5.3G	Ant Main	Dack Surface	U	56	5290			1.01	100.46%	0.961	0.979	-
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 Measured	over 1g (W/kg) Reported	ID
WLAN 802.11ac(160M) 5.6G	Ant Main	Back Surface	0	114	5570	10.00	9.95	1.02	101.16%	1.010	1.041	004
WLAN 802.11ac(160M) 5.6G	Ant Main	Top Edge	0	114	5570	10.00	9.95	1.02	101.16%	0.046	0.047	-
WLAN 802.11ac(160M) 5.6G	Ant Main	Left Edge	0	114	5570	10.00	9.95	1.02	101.16%	0.030	0.031	-
WLAN 802.11ac(160M) 5.6G	Ant Main	Right Edge	0	114	5570	10.00	9.95	1.02	101.16%	0.159	0.164	-
WLAN 802.11ac(160M) 5.6G	Ant Main	Bottom Edge	0	114	5570	10.00	9.95	1.02	101.16%	0.001	0.001	-
WEAR 002. Hac (100W) 5.00	Part Ividili	Bottom Eage	·	114	3370	10.00	3.33	1.02	101.1070	0.001	0.001	
WII AN 000 44 (0010 5 00		Back Surface	0	100	5530	40.00	9.96	1.01	100.93%	1,140	1.167	005
WLAN 802.11ac(80M) 5.6G	Ant Main			106		10.00						005
WLAN 802.11ac(80M) 5.6G	Ant Main	Back Surface	0	138	5690	10.00	9.92	1.01	101.86%	1.090	1.126	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Top Edge	0	106	5530	10.00	9.96	1.01	100.93%	0.052	0.053	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Left Edge	0	106	5530	10.00	9.96	1.01	100.93%	0.034	0.035	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Right Edge	0	106	5530	10.00	9.96	1.01	100.93%	0.179	0.183	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Bottom Edge	0	106	5530	10.00	9.96	1.01	100.93%	0.001	0.001	-
WLAN 802.11ac(80M) 5.6G	Ant Main	Back Surface*	0	106	5530	10.00	9.96	1.01	100.93%	1.070	1.095	-
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 Measured	over 1g (W/kg)	ID
WLAN 802.11ac(80M) 5.8G	Ant Main	Back Surface	0	155	5775	10.00	9.93	1.01	101.62%	0.965	0.994	006
WLAN 802.11ac(80M) 5.8G	Ant Main	Top Edge	0	155	5775	10.00	9.93	1.01	101.62%	0.044	0.045	-
WLAN 802.11ac(80M) 5.8G	Ant Main	Left Edge	0	155	5775	10.00	9.93	1.01	101.62%	0.029	0.040	
WLAN 802.11ac(80M) 5.8G	Ant Main	Right Edge	0	155	5775	10.00	9.93	1.01	101.62%	0.029	0.050	
WLAN 802.11ac(80M) 5.8G	Ant Main	Bottom Edge	0	155	5775	10.00	9.93	1.01	101.62%	0.152	0.157	
WLAN 802.11ac(80M) 5.8G	Ant Main	Bottom Eage	U	155	5//5	10.00	9.93	1.01	101.62%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11ac(160M) 5.9G	Ant Main	Back Surface	0	163	5815	10.00	9.98	1.02	100.46%	1.160	1.187	007
WLAN 802.11ac(160M) 5.9G	Ant Main	Top Edge	0	163	5815	10.00	9.98	1.02	100.46%	0.052	0.053	-
WLAN 802.11ac(160M) 5.9G	Ant Main	Left Edge	0	163	5815	10.00	9.98	1.02	100.46%	0.034	0.035	
WLAN 802.11ac(160M) 5.9G	Ant Main	Right Edge	0	163	5815	10.00	9.98	1.02	100.46%	0.034	0.035	-
. ,										-		
WLAN 802.11ac(160M) 5.9G	Ant Main	Bottom Edge	0	163	5815	10.00	9.98	1.02	100.46%	0.001	0.001	-
WLAN 802.11ac(160M) 5.9G	Ant Main	Back Surface*	0	163	5815	10.00	9.98	1.02	100.46%	1.130	1.157	-

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

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

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			Distance		Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	
Band	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	ID
WLAN 802.11b	Ant Aux	Back Surface	0	11	2462	13.50	13.49	1.01	100.23%	1.070	1.081	008
WLAN 802.11b	Ant Aux	Top Edge	0	11	2462	13.50	13.49	1.01	100.23%	0.032	0.032	-
WLAN 802.11b	Ant Aux	Left Edge	0	11	2462	13.50	13.49	1.01	100.23%	0.103	0.104	-
WLAN 802.11b	Ant Aux	Right Edge	0	11	2462	13.50	13.49	1.01	100.23%	0.012	0.012	-
WLAN 802.11b	Ant Aux	Bottom Edge	0	11	2462	13.50	13.49	1.01	100.23%	0.001	0.001	-
WLAN 802.11b	Ant Aux	Back Surface*	0	11	2462	13.50	13.49	1.01	100.23%	1.010	1.020	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	ID
						Tolerance (dBm)	(dBm)			Measured	Reported	
Bluetooth(GFSK)	Ant Aux	Back Surface	0	78	2480 2480	10.50	9.93	1.29	114.02%	0.351	0.516	009
Bluetooth(GFSK)	Ant Aux	Top Edge	0	78	2100	10.50	9.93	1.29	114.02%	0.013	0.019	-
Bluetooth(GFSK)	Ant Aux	Left Edge	0	78	2480	10.50	9.93	1.29	114.02%	0.054	0.079	-
Bluetooth(GFSK)	Ant Aux	Right Edge	0	78	2480	10.50	9.93	1.29	114.02%	0.008	0.012	-
Bluetooth(GFSK)	Ant Aux	Bottom Edge	0	78	2480	10.50	9.93	1.29	114.02%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11ac(160M) 5.2G	Ant Aux	Back Surface	0	50	5250	11.00	10.98	1.02	100.46%	0.924	0.946	010
WLAN 802.11ac(160M) 5.2G	Ant Aux	Top Edge	0	50	5250	11.00	10.98	1.02	100.46%	0.047	0.048	-
WLAN 802.11ac(160M) 5.2G	Ant Aux	Left Edge	0	50	5250	11.00	10.98	1.02	100.46%	0.143	0.146	-
WLAN 802.11ac(160M) 5.2G	Ant Aux	Right Edge	0	50	5250	11.00	10.98	1.02	100.46%	0.019	0.019	-
WLAN 802.11ac(160M) 5.2G	Ant Aux	Bottom Edge	0	50	5250	11.00	10.98	1.02	100.46%	0.001	0.001	-
	, vis Aux	Sollon Luge	+ -	30	0200	00	10.00		100.4070	5.501	3.301	<u> </u>
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 Measured	over 1g (W/kg) Reported	IC
WLAN 802.11ac(80M) 5.3G	Ant Aux	Back Surface	0	58	5290	11.00	10.95	1.01	101.16%	0.917	0.941	01
WLAN 802.11ac(80M) 5.3G	Ant Aux	Top Edge	0	58	5290	11.00	10.95	1.01	101.16%	0.046	0.047	-
WLAN 802.11ac(80M) 5.3G	Ant Aux	Left Edge	0	58	5290	11.00	10.95	1.01	101.16%	0.141	0.145	-
WLAN 802.11ac(80M) 5.3G	Ant Aux	Right Edge	0	58	5290	11.00	10.95	1.01	101.16%	0.018	0.018	-
WLAN 802.11ac(80M) 5.3G	Ant Aux	Bottom Edge	0	58	5290	11.00	10.95	1.01	101.16%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Measured	over 1g (W/kg) Reported	ID
WLAN 802.11ac(160M) 5.6G	Ant Aux	Back Surface	0	114	5570	11.00	10.97	1.02	100.69%	1.050	1.077	01:
WLAN 802.11ac(160M) 5.6G	Ant Aux	Top Edge	0	114	5570	11.00	10.97	1.02	100.69%	0.056	0.057	-
WLAN 802.11ac(160M) 5.6G	Ant Aux	Left Edge	0	114	5570	11.00	10.97	1.02	100.69%	0.173	0.178	-
WLAN 802.11ac(160M) 5.6G	Ant Aux	Right Edge	0	114	5570	11.00	10.97	1.02	100.69%	0.023	0.024	-
WLAN 802.11ac(160M) 5.6G	Ant Aux	Bottom Edge	0	114	5570	11.00	10.97	1.02	100.69%	0.001	0.001	-
WLAN 802.11ac(80M) 5.6G	Ant Aux	Back Surface	0	106	5530	11.00	10.96	1.01	100.93%	0.997	1.020	-
WLAN 802.11ac(80M) 5.6G	Ant Aux	Back Surface	0	138	5690	11.00	10.98	1.01	100.46%	1.030	1.049	01
WLAN 802.11ac(80M) 5.6G	Ant Aux	Top Edge	0	138	5690	11.00	10.98	1.01	100.46%	0.052	0.053	-
WLAN 802.11ac(80M) 5.6G	Ant Aux	Left Edge	0	138	5690	11.00	10.98	1.01	100.46%	0.159	0.162	-
WLAN 802.11ac(80M) 5.6G	Ant Aux	Right Edge	0	138	5690	11.00	10.98	1.01	100.46%	0.021	0.021	-
WLAN 802.11ac(80M) 5.6G	Ant Aux	Bottom Edge	0	138	5690	11.00	10.98	1.01	100.46%	0.001	0.001	-
WEAR GOZ. Trac(GOW) 3.50	Allt Aux	Bottom Eage	Distance	100	Freq.	Max. Rated Avg.	Measured	Duty cycle	Power		over 1g (W/kg)	
Band WLAN 802.11ac(80M) 5.8G	Antenna Ant Aux	Position Back Surface	(mm)	Channel 155	(MHz)	Power + Max. Tolerance (dBm) 11.00	Avg. Power (dBm) 10.98	scaling	scaling	Measured 1.010	Reported 1.029	01
WLAN 802.11ac(80M) 5.8G WLAN 802.11ac(80M) 5.8G	Ant Aux	Top Edge	0	155	5775	11.00	10.98	1.01	100.46%	0.055	0.056	UI
WLAN 802.11ac(80M) 5.8G	Ant Aux	Left Edge	0	155	5775	11.00	10.98	1.01	100.46%	0.055	0.056	<u> </u>
. ,	Ant Aux Ant Aux		0	155	5775	11.00	10.98	1.01	100.46%	0.167	0.170	-
WLAN 802.11ac(80M) 5.8G		Right Edge										-
WLAN 802.11ac(80M) 5.8G	Ant Aux	Bottom Edge	0	155	5775	11.00	10.98	1.01	100.46%	0.001	0.001	-
WLAN 802.11ac(80M) 5.8G Band	Ant Aux Antenna	Back Surface* Position	Distance (mm)	155 Channel	5775 Freq. (MHz)	11.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	1.01 Duty cycle scaling	100.46% Power scaling	0.988 Averaged SAR Measured	1.006 over 1g (W/kg) Reported	IC
WI AN 902 1100(100M) 5 00	Ant Aux	Back Surface	0	163	5815	11.00	10.99	1.02	100.23%	1.050	1.072	01
WLAN 802.11ac(160M) 5.9G			+									01
WLAN 802.11ac(160M) 5.9G	Ant Aux	Top Edge	0	163	5815	11.00	10.99	1.02	100.23%	0.049	0.050	-
	Ant Aux	Left Edge	0	163	5815	11.00	10.99	1.02	100.23%	0.158	0.161	-
WLAN 802.11ac(160M) 5.9G			1									
WLAN 802.11ac(160M) 5.9G WLAN 802.11ac(160M) 5.9G WLAN 802.11ac(160M) 5.9G	Ant Aux Ant Aux	Right Edge Bottom Edge	0	163 163	5815 5815	11.00 11.00	10.99 10.99	1.02 1.02	100.23% 100.23%	0.020 0.001	0.020 0.001	-

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

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

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Tablet mode

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(**** 12)	Tolerance (dBm)	(dBm)	codining	boaining	Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Back Surface	0	15	6025	10.00	9.99	1.01	100.23%	0.759	0.771	5.76	5.848	016
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Back Surface	0	79	6345	10.00	9.96	1.01	100.93%	0.712	0.728	5.43	5.551	017
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Top Edge	0	15	6025	10.00	9.99	1.01	100.23%	0.017	0.017	0.129	0.131	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Left Edge	0	15	6025	10.00	9.99	1.01	100.23%	0.011	0.011	0.083	0.084	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Right Edge	0	15	6025	10.00	9.99	1.01	100.23%	0.096	0.097	0.732	0.743	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Main	Bottom Edge	0	15	6025	10.00	9.99	1.01	100.23%	0.001	0.001	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(WII 12)	Tolerance (dBm)	(dBm)	Journal	ocaning	Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Back Surface	0	111	6505	10.00	9.92	1.01	101.86%	0.686	0.708	5.14	5.304	018
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Top Edge	0	111	6505	10.00	9.92	1.01	101.86%	0.013	0.013	0.097	0.100	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Left Edge	0	111	6505	10.00	9.92	1.01	101.86%	0.008	0.008	0.059	0.061	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Right Edge	0	111	6505	10.00	9.92	1.01	101.86%	0.082	0.085	0.614	0.634	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Main	Bottom Edge	0	111	6505	10.00	9.92	1.01	101.86%	0.001	0.001	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(**** 12)	Tolerance (dBm)	(dBm)	Jodania	Coding	Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Back Surface	0	143	6665	10.00	9.98	1.01	100.46%	0.744	0.757	5.39	5.485	019
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Top Edge	0	143	6665	10.00	9.98	1.01	100.46%	0.014	0.014	0.101	0.103	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Left Edge	0	143	6665	10.00	9.98	1.01	100.46%	0.007	0.007	0.051	0.052	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Right Edge	0	143	6665	10.00	9.98	1.01	100.46%	0.088	0.090	0.637	0.648	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Main	Bottom Edge	0	143	6665	10.00	9.98	1.01	100.46%	0.001	0.001	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(**** 12)	Tolerance (dBm)	(dBm)	Jodania	Jodania	Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Back Surface	0	207	6985	10.00	9.95	1.01	101.16%	0.725	0.743	4.83	4.949	020
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Top Edge	0	207	6985	10.00	9.95	1.01	101.16%	0.013	0.013	0.086	0.088	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Left Edge	0	207	6985	10.00	9.95	1.01	101.16%	0.007	0.007	0.061	0.063	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Right Edge	0	207	6985	10.00	9.95	1.01	101.16%	0.086	0.088	0.589	0.604	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Main	Bottom Edge	0	207	6985	10.00	9.95	1.01	101.16%	0.001	0.001	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		()	Tolerance (dBm)	(dBm)			Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Back Surface	0	15	6025	10.00	9.98	1.01	100.46%	0.869	0.884	6.39	6.503	021
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Back Surface	0	79	6345	10.00	9.95	1.01	101.16%	0.566	0.580	3.90	3.996	022
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Top Edge	0	15	6025	10.00	9.98	1.01	100.46%	0.021	0.021	0.134	0.136	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Left Edge	0	15	6025	10.00	9.98	1.01	100.46%	0.098	0.100	0.626	0.637	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Right Edge	0	15	6025	10.00	9.98	1.01	100.46%	0.007	0.007	0.044	0.045	-
U-NII-5 6.2GHz 802.11ax(160M)	Ant Aux	Bottom Edge	0	15	6025	10.00	9.98	1.01	100.46%	0.001	0.001	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(WII 12)	Tolerance (dBm)	(dBm)	ocaning	ocaning	Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Back Surface	0	111	6505	10.00	9.99	1.01	100.23%	0.749	0.760	5.54	5.625	023
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Top Edge	0	111	6505	10.00	9.99	1.01	100.23%	0.019	0.019	0.140	0.142	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Left Edge	0	111	6505	10.00	9.99	1.01	100.23%	0.088	0.089	0.650	0.660	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Right Edge	0	111	6505	10.00	9.99	1.01	100.23%	0.005	0.005	0.036	0.037	-
U-NII-6 6.5GHz 802.11ax(160M)	Ant Aux	Bottom Edge	0	111	6505	10.00	9.99	1.01	100.23%	0.001	0.001	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(111112)	Tolerance (dBm)	(dBm)	Jodania	Codining	Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Back Surface	0	143	6665	10.00	9.99	1.01	100.23%	0.512	0.520	3.58	3.635	024
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Top Edge	0	143	6665	10.00	9.99	1.01	100.23%	0.012	0.012	0.083	0.084	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Left Edge	0	143	6665	10.00	9.99	1.01	100.23%	0.063	0.064	0.440	0.447	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Right Edge	0	143	6665	10.00	9.99	1.01	100.23%	0.001	0.001	0.001	0.001	-
U-NII-7 6.7GHz 802.11ax(160M)	Ant Aux	Bottom Edge	0	143	6665	10.00	9.99	1.01	100.23%	0.001	0.001	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(111112)	Tolerance (dBm)	(dBm)	ocanig	boaining	Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Back Surface	0	207	6985	10.00	9.97	1.01	100.69%	0.756	0.771	5.00	5.100	025
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Top Edge	0	207	6985	10.00	9.97	1.01	100.69%	0.009	0.009	0.059	0.060	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Left Edge	0	207	6985	10.00	9.97	1.01	100.69%	0.077	0.079	0.509	0.519	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Right Edge	0	207	6985	10.00	9.97	1.01	100.69%	0.003	0.003	0.019	0.019	-
U-NII-8 7.0GHz 802.11ax(160M)	Ant Aux	Bottom Edge	0	207	6985	10.00	9.97	1.01	100.69%	0.001	0.001	0.001	0.001	-

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

				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)				
Band	Antenna	Position	Distance (mm)								Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	ID
WLAN 6E 802.11ax(160M)	Ant Main	Back Surface	2	15	6025	10.00	9.99	100.23%	1.01	1.55	2.890	4.548	2.480	3.903	026
U-NII-5	Ant Main	Back Surface	2	79	6345	10.00	9.96	100.93%	1.01	1.55	2.680	4.247	2.220	3.518	027
WLAN 6E 802.11ax(160M) U-NII-6	Ant Main	Back Surface	2	111	6505	10.00	9.92	101.86%	1.01	1.55	1.620	2.591	1.370	2.191	028
WLAN 6E 802.11ax(160M) U-NII-7	Ant Main	Back Surface	2	143	6665	10.00	9.98	100.46%	1.01	1.55	1.890	2.981	1.760	2.776	029
WLAN 6E 802.11ax(160M) U-NII-8	Ant Main	Back Surface	2	207	6985	10.00	9.95	101.16%	1.01	1.55	2.060	3.272	1.720	2.732	030
					_	Max. Rated Avg.	Measured	_			PD result(4cm)				
Band					_	Max. Rated Avg.	Measured	_				PDIES	uit(4CIII)		
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	Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	ID
Band WLAN 6E 802.11ax(160M)	Antenna Ant Aux	Position Back Surface		Channel 15		Power + Max.	Avg. Power				Total psPD	Reported Total psPD	Measured Normal psPD	Normal psPD	ID 031
			(mm)		(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Scaling	scaling	uncertainty	Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Normal psPD (W/m^2)	
WLAN 6E 802.11ax(160M)	Ant Aux	Back Surface	(mm) 2	15	(MHz) 6025	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Scaling 100.46%	scaling 1.01	uncertainty 1.55	Total psPD (W/m^2) 1.540	Reported Total psPD (W/m^2) 2.429	Measured Normal psPD (W/m^2) 1.320	Normal psPD (W/m^2) 2.082	031
WLAN 6E 802.11ax(160M) U-NII-5 WLAN 6E 802.11ax(160M)	Ant Aux Ant Aux	Back Surface	(mm) 2 2	15	(MHz) 6025 6345	Power + Max. Tolerance (dBm) 10.00	Avg. Power (dBm) 9.98 9.95	Scaling 100.46% 101.16%	1.01 1.01	1.55 1.55	Total psPD (W/m^2) 1.540 1.830	Reported Total psPD (W/m^2) 2.429 2.907	Measured Normal psPD (W/m^2) 1.320 1.430	Normal psPD (W/m^2) 2.082 2.271	031

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

WLAN/BT SAR data of Notebook mode can be referred to Intel SAR test report, Report No.: 201120-03.TR10, 201120-03.TR50, 220915-01.TR04.

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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:

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

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

9.3 SPLSR evaluation and analysis

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

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

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

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

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

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Simultaneous Transmission Combination

Tablet mode

					FCC Reported SAF	t			Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8
Exposure Position		2	3	4	5	7	8	9	2+3	4+5	2+7	4+7	4+5+7	7+8	8+9	7+8+9
		2.4GHz WLAN Ant Main	2.4GHz WLAN Ant Aux	5GHz WLAN Ant Main	5GHz WLAN Ant Aux	Bluetooth Ant Aux	6GHz WLAN Ant Main	6GHz WLAN Ant Aux	Summed							
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
Back Surface	0	1.086	1.081	1.187	1.077	0.516	0.771	0.884	2.167	2.264	1.602	1.703	2.780	1.287	1.655	2.171
Top Edge	0	0.025	0.032	0.053	0.057	0.019	0.017	0.021	0.057	0.110	0.032	0.057	0.110	0.021	0.038	0.038
Bottom Edge	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.001	0.002	0.002
Left Edge	0	0.013	0.104	0.035	0.178	0.079	0.011	0.100	0.117	0.213	0.104	0.178	0.213	0.100	0.111	0.111
Right Edge	0	0.118	0.012	0.186	0.024	0.012	0.097	0.007	0.130	0.210	0.012	0.024	0.210	0.007	0.104	0.104

Scenario 1: 2+3											
Position	Conditions	SAR Value	Co	ordinates (c	:m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR Test		
	Conditions	(W/kg)	х	у	Z	(W/kg)	Separation Distance (mm)	SFLSIX			
Back Surface	WLAN 2.4G Main	1.086	8.28	14.32	-17.70	-	-	-	-		
	WLAN 2.4G Aux	1.081	8.60	-14.96	-17.70	2.167	292.82	0.011	SPLSR ≤ 0.04, Not required		



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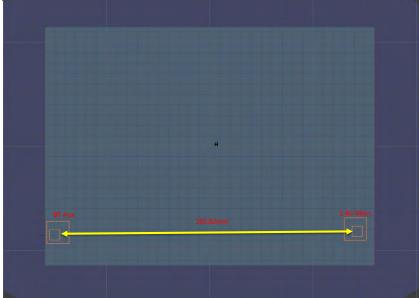
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Scenario 3: 2+7											
Position	Conditions	Conditions	SAR Value (W/kg)	Co	oordinates (c	m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR	
	Conditions	Conditions		х	у	z	(W/kg)	Separation Distance (mm)		Test	
Back Surface -	Back Surface	WLAN 2.4G Main	1.086	8.28	14.32	-17.70	-	-	-	-	
	Back Surface	BT Aux	0.516	8.60	-14.96	-17.70	1.602	292.82	0.007	SPLSR ≤ 0.04, Not required	



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	Scenario 5: 4+5+7									
Position	Conditions	SAR Value	Coordinates (cm)			ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR	
	Conditions	(W/kg)	х	у	Z	(W/kg)	Separation Distance (mm)	OF LOIX	Test	
	WLAN 5G Main	1.187	8.38	14.60	-17.70	-	-	-	-	
Back Surface	WLAN 5G Aux	1.077	9.22	-15.16	-17.70	2.264	297.72	0.011	SPLSR ≤ 0.04, Not required	
Back Surface	BT Aux	0.516	8.60	-14.96	-17.70	1.703	295.61	0.008	SPLSR ≤ 0.04, Not required	
	WLAN5G + BT Aux	1.593	8.60	-14.96	-17.70	2.780	295.61	0.016	SPLSR ≤ 0.04, Not required	



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	Scenario 8: 6+8+9									
Position	Conditions	SAR Value	Coordinates (cm)			ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR	
		(W/kg)	х	у	Z	(W/kg)	Separation Distance (mm)	SFLSIX	Test	
	WIFI6E Main	0.771	8.66	14.75	-17.70	-	-	-	-	
Back Surface	WIFI6E Aux	0.884	9.29	-15.17	-17.60	1.655	299.27	0.007	SPLSR ≤ 0.04, Not required	
васк биласе	BT Aux	0.516	8.60	-14.96	-17.70	1.287	297.10	0.005	SPLSR ≤ 0.04, Not required	
	WIFI6E + BT Aux	1.400	8.60	-14.96	-17.70	2.171	297.10	0.011	SPLSR ≤ 0.04, Not required	



9.4 Conclusion

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

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10 INSTRUMENTS LIST

Equipment List								
Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration			
SPEAG	Data acquisition Electronics	DAE4	558	Nov/20/2023	Nov/19/2024			
SPEAG	Dosimetric E-Field Probe	EX3DV4	7686	Sep/21/2023	Sep/20/2024			
SPEAG	E-field Probe for Near Field Application	EUmmWV4	9616	Mar/12/2024	Mar/11/2025			
SPEAG	System Validation Dipole	D2450V2	728	Aug/28/2023	Aug/27/2024			
SPEAG	System Validation Dipole	D5GHzV2	1023	Jan/24/2024	Jan/23/2025			
SPEAG	System Validation Dipole	D6.5GHzV2	1006	Aug/16/2023	Aug/15/2024			
SPEAG	System Validation Dipole	D7GHzV2	1007	Aug/16/2023	Aug/15/2024			
SPEAG	5G Verification Source 10GHz	5G-Veri10	1021	Jan/17/2024	Jan/16/2025			
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/21/2024	Feb/20/2025			
R&S	MXG Analog Signal Generator	SMB100A03	182012	May/23/2023	May/22/2024			
Agilent	Dual-directional coupler	772D	MY46151258	Sep/26/2023	Sep/25/2024			
Agilent	Dual-directional coupler	778D	MY46151242	Sep/26/2023	Sep/25/2024			
EMCI	Amplifier	ZHL-42	980189	Calibration not required	Calibration not required			
EMCI	Amplifier	ZVE-8G	980190	Calibration not required	Calibration not required			
R&S	Power Meter	NRX	105651	Nov/24/2023	Nov/23/2024			
R&S	Power Sensor	NRP6A	104247	Nov/24/2023	Nov/23/2024			
R&S	Power Sensor	NRP6A	104246	Nov/24/2023	Nov/23/2024			
SPEAG	Software	DASY 8 V16.0.2.83	N/A	Calibration not required	Calibration not required			
SPEAG	Software	DASY 8 mmWave V3.0.0.841	N/A	Calibration not required	Calibration not required			
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required			
SPEAG	Phantom	mmWave Phantom	N/A	Calibration not required	Calibration not required			
LKM	Digital thermometer	DTM3000	3896	Dec/26/2023	Dec/25/2024			
TECPEL	Digital thermometer	DTM-303A	TP131515	Jun/02/2023	Jun/01/2024			

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11 UNCERTAINTY BUDGET

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

A	С	D	е		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%	8
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	8
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	80
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	00
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	00
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	00
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	00
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	80
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	8
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	8
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	8
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	00
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	8
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	8
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
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%	00
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	œ
Liquid permittivity (mea.)	2.90%	N	1	1	0.64	0.43	1.86%	1.25%	М
Liquid Conductivity (mea.)	3.28%	N	1	1	0.6	0.49	1.97%	1.61%	М
Combined standard uncertainty		RSS					12.02%	11.88%	
Expant uncertainty (95% confidence interval), K=2		_	_				24.05%	23.76%	

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

A	С	D	е		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	8
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	2.56%	N	1	1	0.64	0.43	1.64%	1.10%	М
Liquid Conductivity (mea.)	4.75%	N	1	1	0.6	0.49	2.85%	2.33%	М
Combined standard uncertainty		RSS					11.88%	11.69%	
Expant uncertainty (95% confidence interval), K=2			_				23.76%	23.39%	

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

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 1.0 1.0 Probe Linearity 4.7 R √3 1.732 1 1 1.6 1.6 Probe Linearity 4.7 R √3 1.732 1 1 1.6 1.6 Probe Isotropy 7.6 R √3 1.732 1 1 1.6 1.6 Probe Isotropy 7.6 R √3 1.732 1 1 1.4 4.4 Pata Acquisition 0.3 N 1 1 1 1 1 1.8 1.8 Probe positioning 0.2 N 1 1 1 1 1 1.8 1.8 Probe positioning 0.2 N 1 1 1 1 1 3.5 3.5 Paramomental device errors Conductivity (meas.)DAK 2.5 N 1 1 0.78 0.71 2.0 1.8 Ponductivity (meas.)DAK 2.5 N 1 1 2 2 4.0 4.0 Polation Permittivity 14.0 R √3 1.732 0.5 0.5 4.0 4.0 Polation Politicing (±0.5mm) 1.0 N 1 1 1 1 1 3.6 3.6 Put Modulation 2.4 R √3 1.732 1 1 1.0 0.0 Polation Power 3.6 N 1 1 1 1 1 1 1.4 1.4 Polation Power 0.0 N 1 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 0.0 0.0		(10.0					9~/	
Professional Pro	а	b	С	d		е	е	f=b * e / d	f=b * e / d
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 1.0 1.0 Probe Linearity 4.7 R √3 1.732 1 1 1.6 1.6 Probe Linearity 4.7 R √3 1.732 1 1 1.6 1.6 Probe Isotropy 7.6 R √3 1.732 1 1 1.6 1.6 Probe Isotropy 7.6 R √3 1.732 1 1 1.4 4.4 Pata Acquisition 0.3 N 1 1 1 1 1 1.8 1.8 Probe positioning 0.2 N 1 1 1 1 1 1.8 1.8 Probe positioning 0.2 N 1 1 1 1 1 3.5 3.5 Paramomental device errors Conductivity (meas.)DAK 2.5 N 1 1 0.78 0.71 2.0 1.8 Ponductivity (meas.)DAK 2.5 N 1 1 2 2 4.0 4.0 Polation Permittivity 14.0 R √3 1.732 0.5 0.5 4.0 4.0 Polation Politicing (±0.5mm) 1.0 N 1 1 1 1 1 3.6 3.6 Put Modulation 2.4 R √3 1.732 1 1 1.0 0.0 Polation Power 3.6 N 1 1 1 1 1 1 1.4 1.4 Polation Power 0.0 N 1 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 1 0.0 0.0 Portice thicker 3.6 N 1 1 1 0.0 0.0	Source of Uncertainty			Div.	Div. Value				
Probe Calibration Drift 1.7 R	Measurement system errors								
Probe Linearity 4.7 R	Probe calibration	18.6	N	2	2	1	1	9.3	9.3
1.6 1.6	Probe Calibration Drift	1.7	R	√3	1.732	1	1	1.0	1.0
Probe Isotropy 7.6 R	Probe Linearity	4.7	R	√3	1.732	1	1	2.7	2.7
And a Acquisition 0.3 N 1 1 1 1 1 0.3 0.3 0.3 PARTICLE AND ACQUISITION 1.8 N 1 1 1 1 1 1 1 1.8 1.8 1.8 PARTICLE AND ACQUISITION 1.8 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Broadband Signal	2.8	R	√3	1.732	1	1	1.6	1.6
1.8	Probe Isotropy	7.6	R	√3	1.732	1	1	4.4	4.4
Probe positioning 0.2 N 1 1 0.67 0.67 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Data Acquisition	0.3	N	1	1	1	1	0.3	0.3
Partial Processing 3.5 N 1 1 1 1 1 3.5 3.5 3.5 N 1 1 1 1 1 1 3.5 3.5 N 3.5 N 1 1 1 1 1 1 1 1 1 1 1 3.5 3.5 N 3.5 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RF Ambient	1.8	N	1	1	1	1	1.8	1.8
Phantom and device errors Conductivity (meas.)DAK	Probe positioning	0.2	N	1	1	0.67	0.67	0.1	0.1
Conductivity (meas.)DAK 2.5 N	Data Processing	3.5	N	1	1	1	1	3.5	3.5
2.4 R √3 1.732 0.78 0.71 1.1 1.0	Phantom and device errors		•						•
thantom Permittivity 14.0 R √3 1.732 0.5 0.5 4.0 4.0 At the permittivity 14.0 R √3 1.732 0.5 0.5 4.0 4.0 At the permittivity 14.0 R √3 1.732 0.5 0.5 4.0 4.0 At the permittivity 14.0 R √3 1.732 0.5 0.5 0.5 4.0 4.0 At the permittivity 14.0 At t	Conductivity (meas.)DAK	2.5	N	1	1	0.78	0.71	2.0	1.8
Distance DUT - TSL 2.0 N 1 1 2 2 4.0 4.0 4.0 2.0 2.0 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Conductivity (temp.)BB	2.4	R	√3	1.732	0.78	0.71	1.1	1.0
Device Positioning (±0.5mm) 1.0 N 1 1 1 1 1.0 1.0 Device Holder 3.6 N 1 1 1 1 1 3.6 3.6 DUT Modulationm 2.4 R √3 1.732 1 1 1 0.0 DUT drift 2.5 N 1 1 1 1 1 2.5 2.5 All Antenna Unc. 0.0 N 1 1 1 1 1 0.0 Dut 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 DUT drift 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.6 Deviation to Target 1.90 N 1 1 1 0.84 1.9 1.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1 1 1 1 0.8 Deviation to Target 1.90 N 1	Phantom Permittivity	14.0	R	√3	1.732	0.5	0.5	4.0	4.0
Device Holder 3.6 N 1 1 1 1 3.6 3.6 3.6 DUT Modulationm 2.4 R √3 1.732 1 1 1 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1	Distance DUT - TSL	2.0	N	1	1	2	2	4.0	4.0
DUT Modulationm 2.4 R √3 1.732 1 1 1.4 1.4 1.4 1.4 1.4 1.4 1	Device Positioning (±0.5mm)	1.0	N	1	1	1	1	1.0	1.0
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 (al Antenna Unc. 0.0 N 1 1 1 1 1 0.0 0.0 Dinc. Input Power 0.0 N 1 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 (95% 28.0 27.8	Device Holder	3.6	N	1	1	1	1	3.6	3.6
DUT drift 2.5 N 1 1 1 1 1 2.5 2.5 2.5 2.5 2.6 2.6 2.6 2.6 2.6 2.7 2.6 2.7 2.6 2.7 2.6 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	DUT Modulationm	2.4	R	√3	1.732	1	1	1.4	1.4
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% 28.0 27.8	Time-average SAR	0.0	R	√3	1.732	1	1	0.0	0.0
Onc. 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	DUT drift	2.5	N	1	1	1	1	2.5	2.5
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% 28.0 27.8	Val Antenna Unc.	0.0	N	1	1	1	1	0.0	0.0
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% 28.0 27.8	Unc. Input Power	0.0	N	1	1	1	1	0.0	0.0
AR scaling R √3 1.732 1 1 0.0 0.0 Combined Std. uncertainty 14.0 13.9 Expanded Std. uncertainty (95% 28.0 27.8	Correction to the SAR results								
Combined Std. uncertainty 14.0 13.9 Expanded Std. uncertainty (95% 28.0 27.8	Deviation to Target	1.90	N	1	1	1	0.84	1.9	1.6
Expanded Std. uncertainty (95%	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 ≥ λ/ 5 In Compliance with IEC/IEEE 63195

а	b	С	d		е	f=b * e / d	g
Source of Uncertainty	Uncertainty Value (+-dB)	Probability Distributioin	Div.	Div. Value	ci	Std. uncertainty (+-dB)	(vi) Veff
Uncertainty terms dependent on the	e measurement	system					
Probe calibration	0.49	N	1	1	1	0.49	00
Probe correction	0.00	R	√3	1.732	1	0.00	∞
Frequency response (BW ≦1GHz)	0.20	R	√3	1.732	1	0.12	∞
Sensor cross coupling	0.00	R	√3	1.732	1	0.00	œ
Isotropy	0.50	R	√3	1.732	1	0.29	∞
Linearity	0.20	R	√3	1.732	1	0.12	00
Probe scattering	0.00	R	√3	1.732	1	0.00	∞0
Probe positioning offset	0.30	R	√3	1.732	1	0.17	00
Probe positioning repeatability	0.04	R	√3	1.732	1	0.02	∞
Sensor mechanical offset	0.00	R	√3	1.732	1	0.00	∞0
Probe spatial resolution	0.00	R	√3	1.732	1	0.00	∞
Field impedance dependance	0.00	R	√3	1.732	1	0.00	∞
Amplitude and phase drift	0.00	R	√3	1.732	1	0.00	∞
Amplitude and phase noise	0.04	R	√3	1.732	1	0.02	∞
Measurement area truncation	0.00	R	√3	1.732	1	0.00	∞
Data acquisition	0.03	N	1	1	1	0.03	∞
Sampling	0.00	R	√3	1	1	0.00	∞
Field reconstruction	2.00	R	√3	1.732	1	1.15	∞
Forward transformation	0.00	R	√3	1.732	1	0.00	∞
Power density scaling	-	R	√3	1.732	1	-	œ
Spatial averaging	0.10	R	√3	1.732	1	0.06	œ
System detection limit	0.04	R	√3	1.732	1	0.02	∞
Uncertainty terms dependent on the	e DUT and envir	onmental facto	ors				
Probe coupling with DUT	0.00	R	√3	1.732	1	0.00	∞
Modulation response	0.40	R	√3	1.732	1	0.23	∞
Integration time	0.00	R	√3	1.732	1	0.00	œ
Response time	0.00	R	√3	1.732	1	0.00	∞
Device holder influence	0.10	R	√3	1.732	1	0.06	œ
DUT alignment	0.00	R	√3	1.732	1	0.00	œ
RF ambient conditions	0.04	R	√3	1.732	1	0.02	00
Ambient reflections	0.04	R	√3	1.732	1	0.02	œ
Immunity / secondary reception	0.00	R	√3	1.732	1	0.00	00
Drift of the DUT	-	R	√3	1.732	1	-	∞
Combined Std. uncertainty						1.33	
Expanded Std. uncertainty (95% confidence interval), K=2						2.67	

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12 SAR MEASUREMENT RESULTS

ID: 001

Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11b_Body_Back Surface_CH 11_0mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 21.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]			TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	2462.0, 11	8.05	1.895	40.185

Hardware Setup

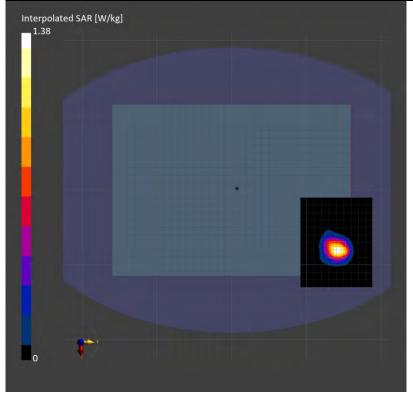
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-17	2024-04-17
psSAR1g [W/kg]	1.06	1.07
psSAR8g [W/kg]	0.547	0.556
psSAR10g [W/kg]	0.495	0.505
Power Drift [dB]	-0.03	-0.04
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		9.0



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ID: 002

Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11ac(160M) 5.2G_Body_Back Surface_CH 50_0mm_Main

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5250.0, 50	5.95	4.863	36.929

Hardware Setup

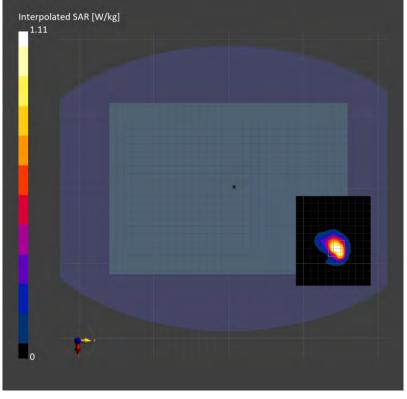
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.814	0.957
psSAR8g [W/kg]	0.330	0.376
psSAR10g [W/kg]	0.291	0.332
Power Drift [dB]	0.02	0.01
M2/M1 [%]		57.6
Dist 3dB Peak [mm]		6.1



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ID: 003

Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11ac(80M) 5.3G_Body_Back Surface_CH 58_0mm_Main

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5290.0, 58	5.95	4.905	36.883

Hardware Setup

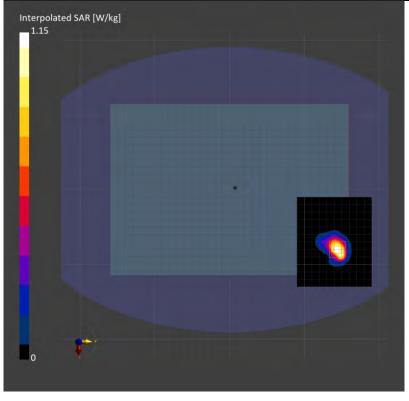
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.841	0.982
psSAR8g [W/kg]	0.343	0.389
psSAR10g [W/kg]	0.303	0.344
Power Drift [dB]	0.03	0.02
M2/M1 [%]		57.5
Dist 3dB Peak [mm]		6.3



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ID: 004

Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11ac(160M) 5.6G_Body_Back Surface_CH 114_0mm_Main

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5570.0, 114	5.18	5.201	36.563

Hardware Setup

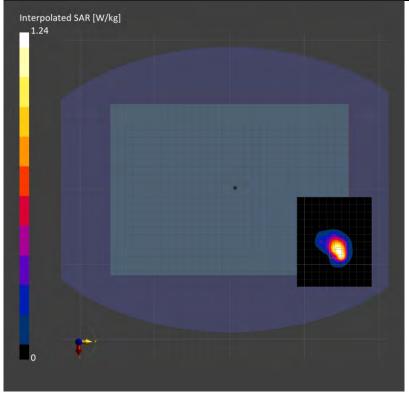
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.890	1.01
psSAR8g [W/kg]	0.363	0.409
psSAR10g [W/kg]	0.321	0.363
Power Drift [dB]	0.05	0.01
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		5.8



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ID: 005

Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11ac(80M) 5.6G_Body_Back Surface_CH 106_0mm_Main

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5530.0, 106	5.18	5.16	36.609

Hardware Setup

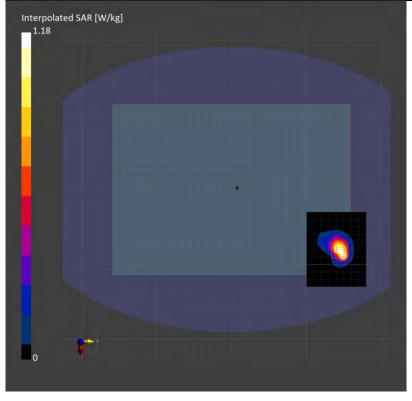
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.843	1.14
psSAR8g [W/kg]	0.343	0.452
psSAR10g [W/kg]	0.303	0.402
Power Drift [dB]	-0.01	-0.03
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		6.1



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ID: 006

Report No.: TESA2403000159E5

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

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5775.0, 155	5.36	5.417	36.329

Hardware Setup

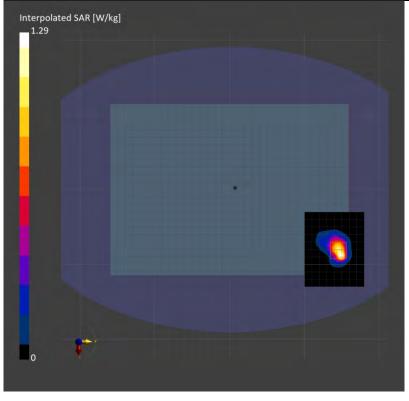
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.856	0.965
psSAR8g [W/kg]	0.339	0.386
psSAR10g [W/kg]	0.300	0.344
Power Drift [dB]	-0.05	-0.04
M2/M1 [%]		56.3
Dist 3dB Peak [mm]		4.9



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ID: 007

Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11ac(160M) 5.9G_Body_Back Surface_CH 163_0mm_Main

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5815.0, 163	5.10	5.459	36.283

Hardware Setup

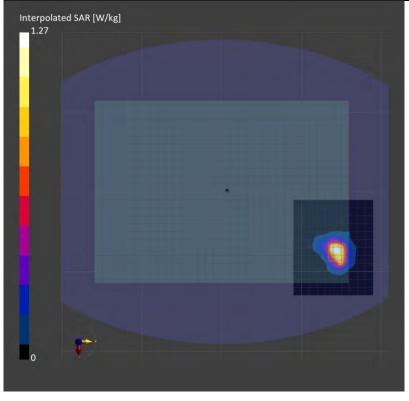
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.933	1.16
psSAR8g [W/kg]	0.381	0.450
psSAR10g [W/kg]	0.337	0.398
Power Drift [dB]	0.03	0.05
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		6.5



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ID: 008

Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11b_Body_Back Surface_CH 11_0mm_Aux

Ambient temperature: 22.3°C; Liquid temperature: 21.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	2462.0, 11	8.05	1.895	40.185

Hardware Setup

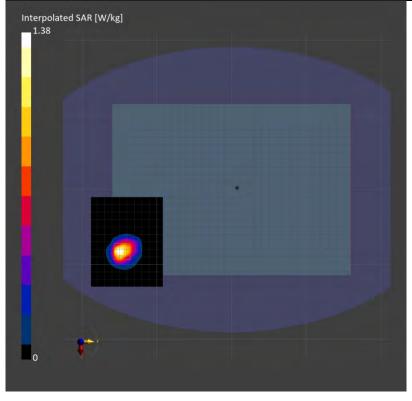
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-17	2024-04-17
psSAR1g [W/kg]	1.04	1.07
psSAR8g [W/kg]	0.533	0.545
psSAR10g [W/kg]	0.483	0.495
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		8.7



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ID: 009

Report No.: TESA2403000159E5

Measurement Report Bluetooth(GFSK) Body Back Surface CH 78_0mm Aux

Ambient temperature: 22.3°C; Liquid temperature: 21.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	2480.0, 78	8.05	1.911	40.162

Hardware Setup

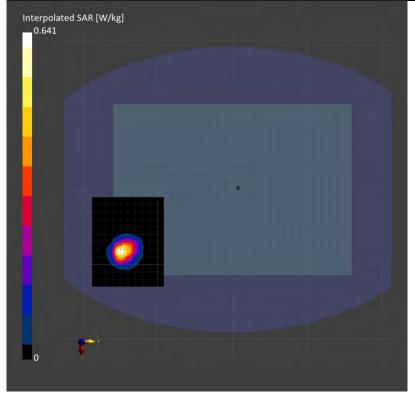
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-17	2024-04-17
psSAR1g [W/kg]	0.311	0.351
psSAR8g [W/kg]	0.247	0.256
psSAR10g [W/kg]	0.224	0.233
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		56.3
Dist 3dB Peak [mm]		8.6



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ID: 010

Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11ac(160M) 5.2G_Body_Back Surface_CH 50_0mm_Aux

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5250.0, 50	5.95	4.863	36.929

Hardware Setup

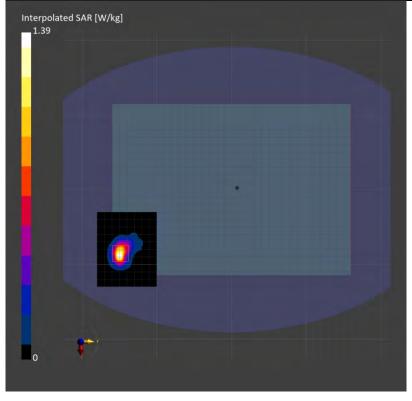
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.903	0.924
psSAR8g [W/kg]	0.339	0.378
psSAR10g [W/kg]	0.298	0.336
Power Drift [dB]	-0.02	-0.03
M2/M1 [%]		56.7
Dist 3dB Peak [mm]		6.4



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Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11ac(80M) 5.3G_Body_Back Surface_CH 58_0mm_Aux

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5290.0, 58	5.95	4.905	36.883

Hardware Setup

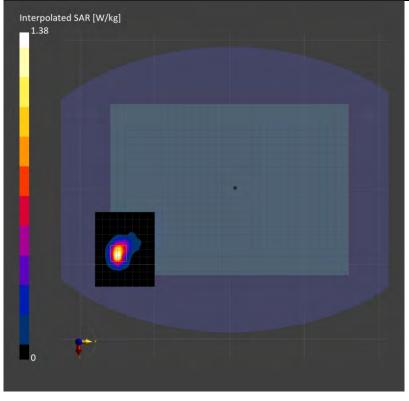
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.908	0.917
psSAR8g [W/kg]	0.341	0.375
psSAR10g [W/kg]	0.300	0.334
Power Drift [dB]	0.05	-0.02
M2/M1 [%]		56.5
Dist 3dB Peak [mm]		6.5



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Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11ac(160M) 5.6G_Body_Back Surface_CH 114_0mm_Aux

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5570.0, 114	5.18	5.201	36.563

Hardware Setup

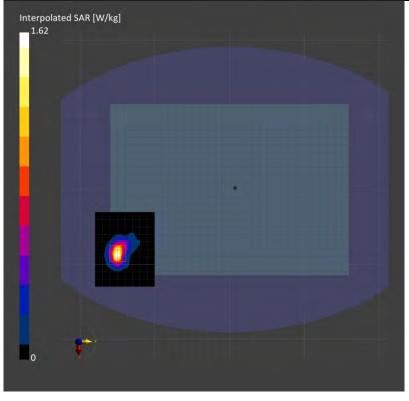
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	1.01	1.05
psSAR8g [W/kg]	0.397	0.445
psSAR10g [W/kg]	0.348	0.396
Power Drift [dB]	-0.03	0.02
M2/M1 [%]		55.5
Dist 3dB Peak [mm]		5.7



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ID: 013

Report No.: TESA2403000159E5

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

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5690.0, 138	5.36	5.327	36.426

Hardware Setup

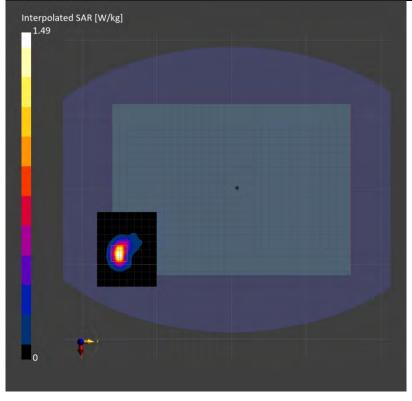
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	1.00	1.03
psSAR8g [W/kg]	0.368	0.406
psSAR10g [W/kg]	0.323	0.361
Power Drift [dB]	-0.04	-0.03
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		5.4



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ID: 014

Report No.: TESA2403000159E5

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

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5775.0, 155	5.36	5.417	36.329

Hardware Setup

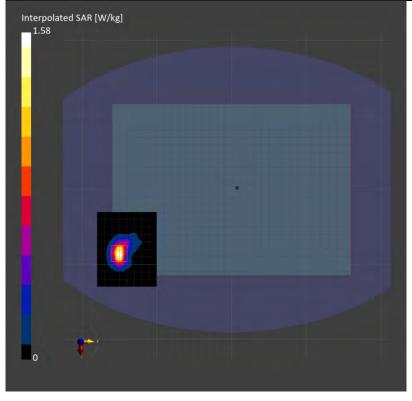
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.97	1.01
psSAR8g [W/kg]	0.392	0.434
psSAR10g [W/kg]	0.343	0.386
Power Drift [dB]	-0.05	-0.05
M2/M1 [%]		54.0
Dist 3dB Peak [mm]		5.1



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ID: 015

Report No.: TESA2403000159E5

Measurement Report_WLAN 802.11ac(160M) 5.9G_Body_Back Surface_CH 163_0mm_Aux

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	5815.0, 163	5.10	5.459	36.283

Hardware Setup

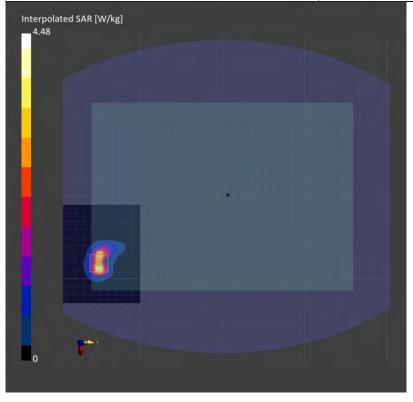
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	0.773	1.05
psSAR8g [W/kg]	0.282	0.433
psSAR10g [W/kg]	0.253	0.388
Power Drift [dB]	-0.02	0.01
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		5.7



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ID: 016

Report No.: TESA2403000159E5

Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Back Surface_CH 15_0mm_Main

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6025.0, 15	6.21	5.682	36.041

Hardware Setup

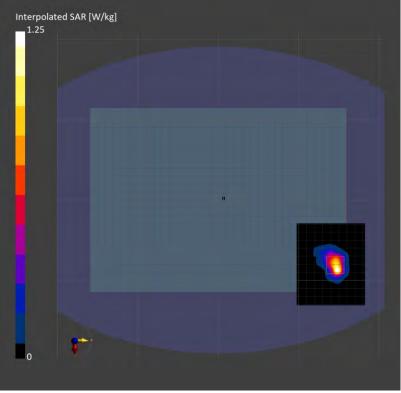
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.784	0.759
psSAR8g [W/kg]	0.289	0.288
psSAR10g [W/kg]	0.255	0.252
psPDab (4.0cm2, sq) [W/m2]		5.76
Power Drift [dB]	-0.02	-0.03
M2/M1 [%]		58.9
Dist 3dB Peak [mm]		5.2



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ID: 017

Report No.: TESA2403000159E5

Measurement Report_U-NII-5 6.2GHz 802.11ax(160M)_Body_Back Surface_CH 79_0mm_Main

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6345.0, 79	6.21	6.026	35.657

Hardware Setup

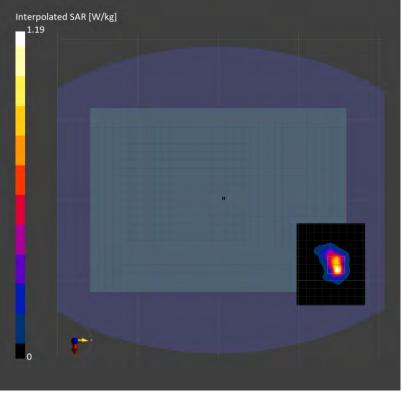
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.739	0.712
psSAR8g [W/kg]	0.274	0.272
psSAR10g [W/kg]	0.242	0.238
psPDab (4.0cm2, sq) [W/m2]		5.43
Power Drift [dB]	-0.02	-0.04
M2/M1 [%]		56.5
Dist 3dB Peak [mm]		5.2



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ID: 018

Report No.: TESA2403000159E5

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

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6505.0, 111	6.21	6.199	35.465

Hardware Setup

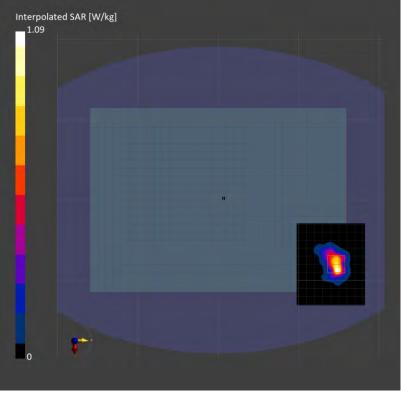
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.708	0.686
psSAR8g [W/kg]	0.268	0.257
psSAR10g [W/kg]	0.237	0.225
psPDab (4.0cm2, sq) [W/m2]		5.14
Power Drift [dB]	-0.05	-0.03
M2/M1 [%]		56.6
Dist 3dB Peak [mm]		5.2



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ID: 019

Report No.: TESA2403000159E5

Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Back Surface_CH 143_0mm_Main

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6665.0, 143	6.21	6.373	35.273

Hardware Setup

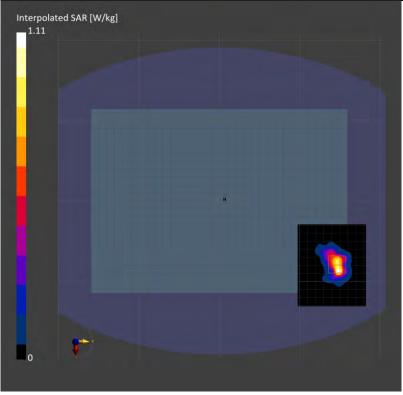
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.736	0.744
psSAR8g [W/kg]	0.283	0.269
psSAR10g [W/kg]	0.251	0.236
psPDab (4.0cm2, sq) [W/m2]		5.39
Power Drift [dB]	0.02	-0.01
M2/M1 [%]		55.5
Dist 3dB Peak [mm]		5.4



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ID: 020

Report No.: TESA2403000159E5

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

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6985.0, 207	6.46	6.725	34.889

Hardware Setup

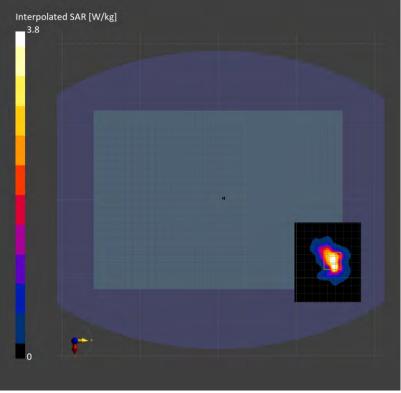
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.669	0.725
psSAR8g [W/kg]	0.260	0.242
psSAR10g [W/kg]	0.230	0.210
psPDab (4.0cm2, sq) [W/m2]		4.83
Power Drift [dB]	-0.04	-0.01
M2/M1 [%]		54.0
Dist 3dB Peak [mm]		5.4



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ID: 021

Report No.: TESA2403000159E5

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

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6025.0, 15	6.21	5.682	36.041

Hardware Setup

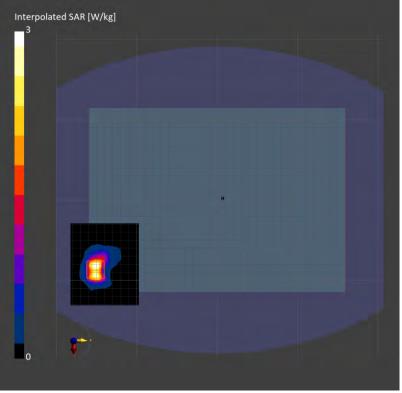
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.570	0.869
psSAR8g [W/kg]	0.229	0.320
psSAR10g [W/kg]	0.204	0.280
psPDab (4.0cm2, sq) [W/m2]		6.39
Power Drift [dB]	-0.05	-0.03
M2/M1 [%]		58.9
Dist 3dB Peak [mm]		5.2



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ID: 022

Report No.: TESA2403000159E5

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

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6345.0, 79	6.21	6.026	35.657

Hardware Setup

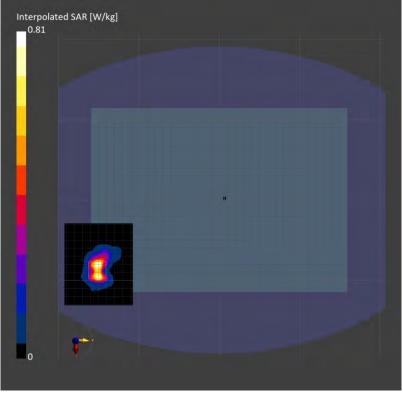
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.548	0.566
psSAR8g [W/kg]	0.208	0.200
psSAR10g [W/kg]	0.186	0.176
psPDab (4.0cm2, sq) [W/m2]		3.90
Power Drift [dB]	0.05	-0.02
M2/M1 [%]		57.1
Dist 3dB Peak [mm]		5.2



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ID: 023

Report No.: TESA2403000159E5

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

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number		TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6505.0, 111	6.21	6.199	35.465

Hardware Setup

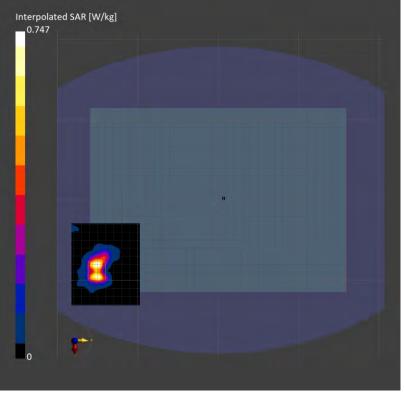
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.531	0.749
psSAR8g [W/kg]	0.203	0.277
psSAR10g [W/kg]	0.182	0.244
psPDab (4.0cm2, sq) [W/m2]		5.54
Power Drift [dB]	-0.04	0.04
M2/M1 [%]		56.5
Dist 3dB Peak [mm]		5.2



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ID: 024

Report No.: TESA2403000159E5

Measurement Report_U-NII-7 6.7GHz 802.11ax(160M)_Body_Back Surface_CH 143_0mm_Aux

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6665.0, 143	6.21	6.373	35.273

Hardware Setup

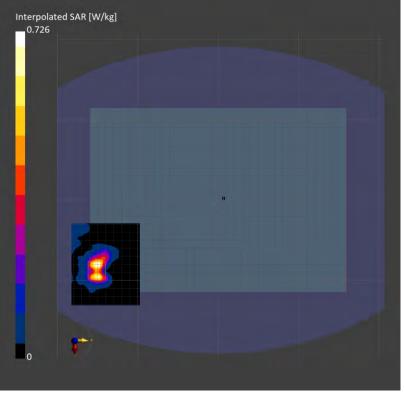
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.516	0.512
psSAR8g [W/kg]	0.192	0.179
psSAR10g [W/kg]	0.172	0.158
psPDab (4.0cm2, sq) [W/m2]		3.58
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		5.9



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ID: 025

Report No.: TESA2403000159E5

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

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Back Surface, 0.00	6985.0, 207	6.46	6.725	34.889

Hardware Setup

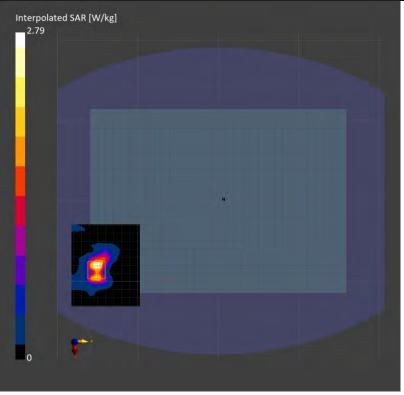
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	0.542	0.756
psSAR8g [W/kg]	0.194	0.250
psSAR10g [W/kg]	0.173	0.221
psPDab (4.0cm2, sq) [W/m2]		5.00
Power Drift [dB]	-0.01	0.02
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		5.4



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13 PD MEASUREMENT RESULTS

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-5,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 15 (6025.0 MHz)

Exposure Conditions

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

Hardware Setup

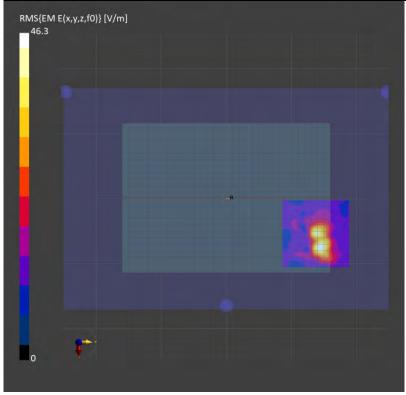
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-20
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	2.48
psPDtot+ [W/m²]	2.89
psPDmod+ [W/m²]	3.08
E _{max} [V/m]	5.3
Power Drift [dB]	-0.04



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ID: 027

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-5,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 79 (6345.0 MHz)

Exposure Conditions

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

Hardware Setup

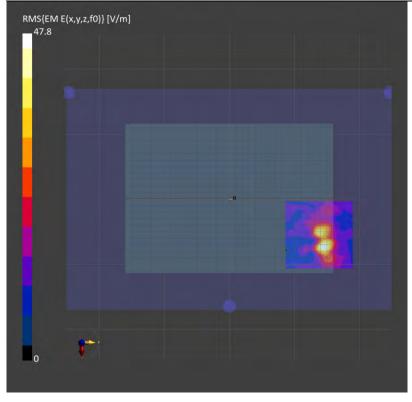
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-20
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	2.22
psPDtot+ [W/m²]	2.68
psPDmod+ [W/m²]	2.96
E _{max} [V/m]	57.7
Power Drift [dB]	0.03



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ID: 028

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-6,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)

Exposure Conditions

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

Hardware Setup

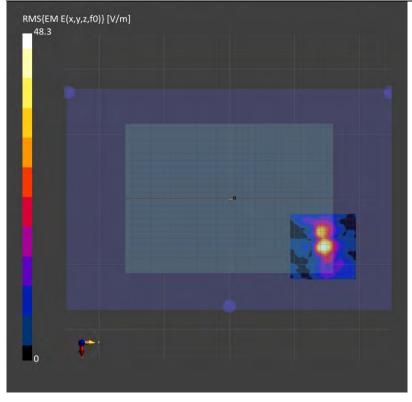
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-21
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	1.37
psPDtot+ [W/m²]	1.62
psPDmod+ [W/m²]	1.99
E _{max} [V/m]	58.3
Power Drift [dB]	0.05



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ID: 029

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-7,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 143 (6665.0 MHz)

Exposure Conditions

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

Hardware Se	ŧι	ıp
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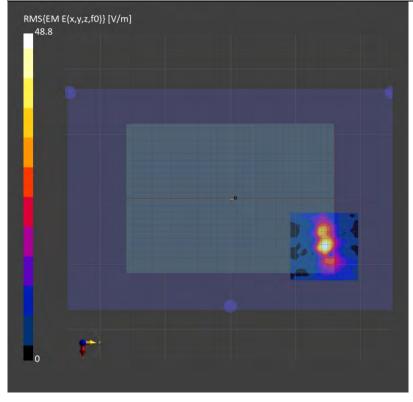
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-21
Avg. Area [cm²]	4.00
psPDn+ [W/m ²]	1.76
psPDtot+ [W/m²]	1.89
psPDmod+ [W/m²]	2.28
E _{max} [V/m]	58.8
Power Drift [dB]	-0.03



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ID: 030

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-8,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)

Exposure Conditions

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

Hardware Setup

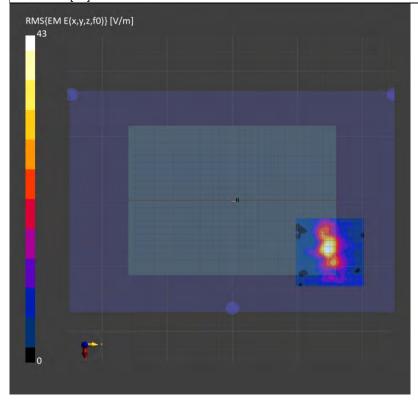
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

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Scan Type	5G Scan
Date	2024-04-22
Avg. Area [cm ²]	4.00
psPDn+ [W/m²]	1.72
psPDtot+ [W/m²]	2.06
psPDmod+ [W/m²]	2.27
E _{max} [V/m]	53.0
Power Drift [dB]	-0.01



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ID: 031

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-5,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 15 (6025.0 MHz)

Exposure Conditions

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

Hardware \$	Setu	O
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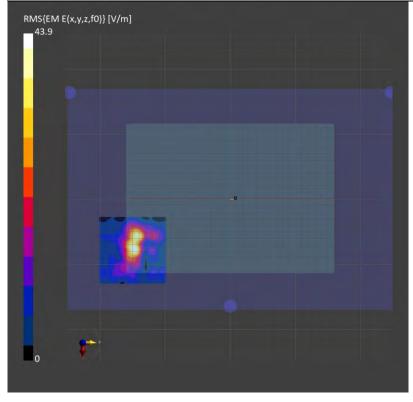
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.32
psPDtot+ [W/m²]	1.54
psPDmod+ [W/m²]	1.76
E _{max} [V/m]	53.9
Power Drift [dB]	-0.01



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ID: 032

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-5,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 79 (6345.0 MHz)

Exposure Conditions

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

Hardware Setup

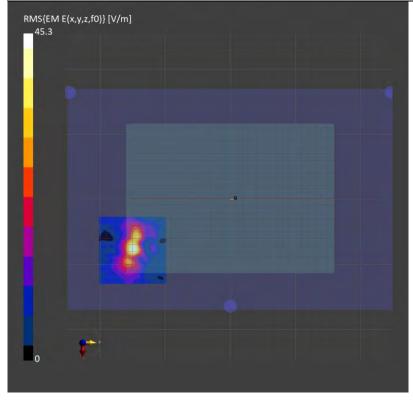
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.43
psPDtot+ [W/m²]	1.83
psPDmod+ [W/m²]	2.12
E _{max} [V/m]	55.3
Power Drift [dB]	0.05



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ID: 033

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-6,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)

Exposure Conditions

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

Hardware Setup

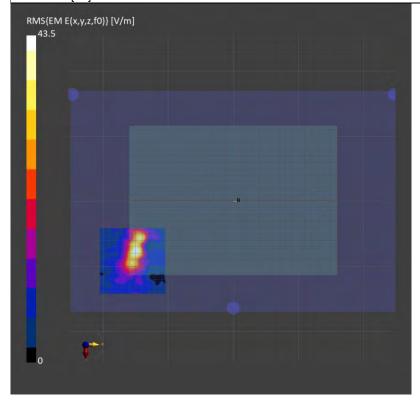
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

mode di cinciti i tocano	
Scan Type	5G Scan
Date	2024-04-21
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.40
psPDtot+ [W/m²]	1.99
psPDmod+ [W/m²]	2.21
E _{max} [V/m]	53.5
Power Drift [dB]	-0.01



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ID: 034

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-7,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 143 (6665.0 MHz)

Exposure Conditions

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

Hardware Setup

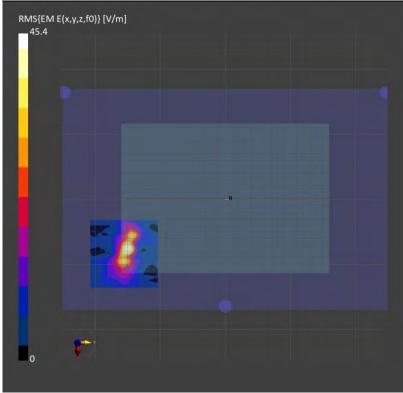
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-21
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	1.39
psPDtot+ [W/m²]	2.17
psPDmod+ [W/m²]	2.41
E _{max} [V/m]	55.4
Power Drift [dB]	-0.02



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ID: 035

Report No.: TESA2403000159E5

Measurement Report_Back Surface, U-NII-8,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)

Exposure Conditions

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

Hardware Setup

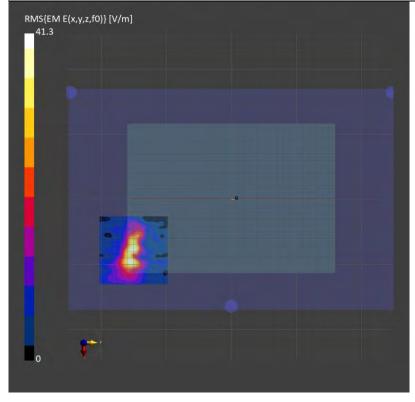
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-22
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	1.02
psPDtot+ [W/m²]	1.70
psPDmod+ [W/m²]	2.27
E _{max} [V/m]	51.3
Power Drift [dB]	-0.05



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14 SAR SYSTEM CHECK RESULTS

Report No.: TESA2403000159E5

Measurement Report Dipole_D2450-SN:728

Ambient temperature: 22.3°C; Liquid temperature: 21.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	8.05	1.884	40.2

Hardware Setup

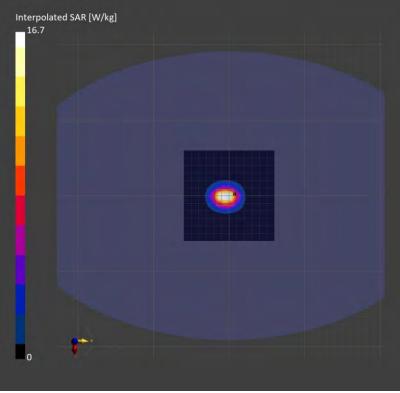
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-17	2024-04-17
psSAR1g [W/kg]	13.3	13.8
psSAR8g [W/kg]	6.86	7.02
psSAR10g [W/kg]	6.19	6.35
Power Drift [dB]	-0.01	-0.01
M2/M1 [%]		59.7
Dist 3dB Peak [mm]		9.3



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Report No.: TESA2403000159E5

Measurement Report Dipole_D5250-SN:1023

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.95	4.863	36.929

Hardware Setup

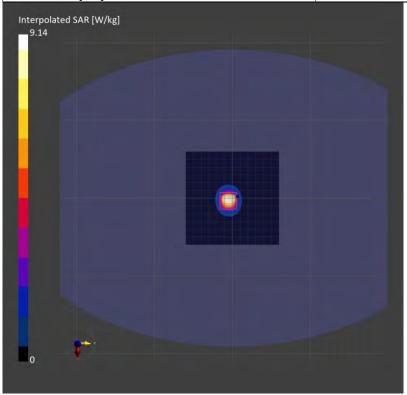
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	6.67	7.80
psSAR8g [W/kg]	2.49	2.67
psSAR10g [W/kg]	2.16	2.29
Power Drift [dB]	-0.04	-0.06
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		7.2



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Report No.: TESA2403000159E5

Measurement Report Dipole_D5600-SN:1023

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.18	5.233	36.529

Hardware Setup

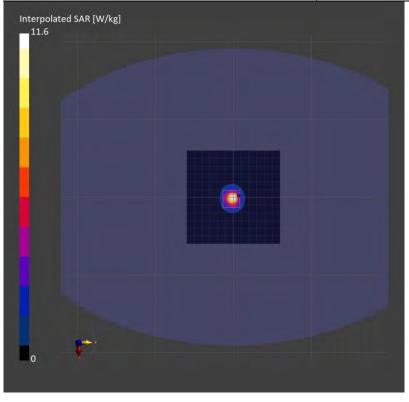
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	7.43	8.12
psSAR8g [W/kg]	2.51	2.71
psSAR10g [W/kg]	2.17	2.32
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		7.6



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Report No.: TESA2403000159E5

Measurement Report Dipole_D5750-SN:1023

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.36	5.391	36.357

Hardware Setup

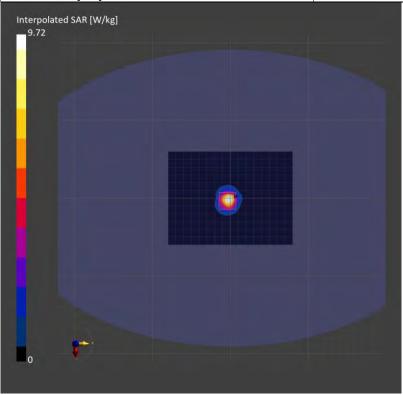
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	6.67	7.91
psSAR8g [W/kg]	2.39	2.70
psSAR10g [W/kg]	2.07	2.32
Power Drift [dB]	0.03	-0.06
M2/M1 [%]		50.7
Dist 3dB Peak [mm]		7.9



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Report No.: TESA2403000159E5

Measurement Report Dipole_D5850-SN:1023

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 10.00	5.10	5.496	36.243

Hardware Setup

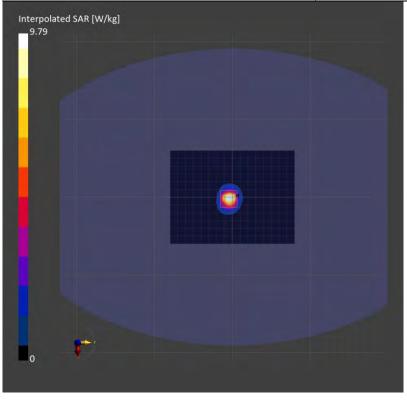
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-18	2024-04-18
psSAR1g [W/kg]	7.00	8.13
psSAR8g [W/kg]	2.52	2.71
psSAR10g [W/kg]	2.18	2.33
Power Drift [dB]	0.06	0.06
M2/M1 [%]		50.6
Dist 3dB Peak [mm]		7.4



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Report No.: TESA2403000159E5

Measurement Report Dipole_D6500-SN:1006

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	6.21	6.194	35.471

Hardware Setup

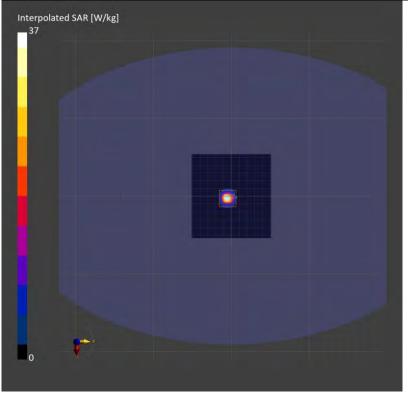
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 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	2024-04-19	2024-04-19
psSAR1g [W/kg]	24.1	28.9
psSAR8g [W/kg]	6.32	6.70
psSAR10g [W/kg]	5.24	5.51
psPDab (4.0cm2, sq) [W/m2]		134
Power Drift [dB]	-0.06	-0.01
M2/M1 [%]		52.4
Dist 3dB Peak [mm]		5.4



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Report No.: TESA2403000159E5

Measurement Report Dipole_D7000-SN:1007

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	6.46	6.742	34.871

Hardware Setup

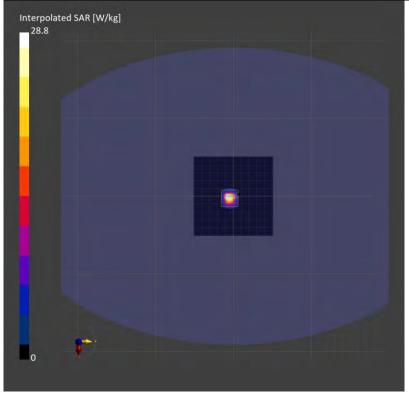
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2023-09-21	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19	2024-04-19
psSAR1g [W/kg]	21.8	27.7
psSAR8g [W/kg]	6.06	6.24
psSAR10g [W/kg]	5.03	5.12
psPDab (4.0cm2, sq) [W/m2]		125
Power Drift [dB]	-0.03	-0.04
M2/M1 [%]		58.5
Dist 3dB Peak [mm]		4.8



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15 PD SYSTEM CHECK RESULTS

Report No.: TESA2403000159E5

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

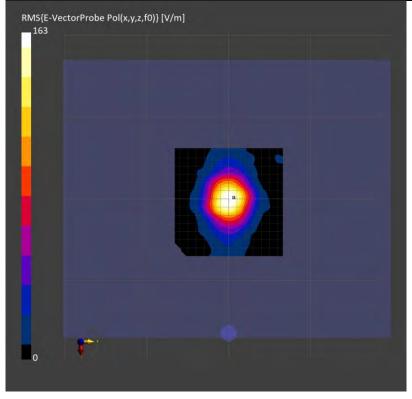
Phantom	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1096	EUmmWV4 - SN9616_F1-55GHz, 2024-03-12	DAE4 Sn558, 2023-11-20

Scans Setup

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

Measurement Results

Measurement Results	
Scan Type	5G Scan
Date	2024-04-20
Avg. Area [cm²]	4.00
psPDn+ [W/m ²]	55.2
psPDtot+ [W/m²]	55.6
psPDmod+ [W/m²]	55.7
E _{max} [V/m]	142
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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