

RF Exposure report



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

Product Name	Notebook Computer
Brand Name	HP
Model No.	HSN-154C
Applicant	HP Inc.
	1501 Page Mill Road, Palo Alto, CA 94304, USA
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	B94QCNFA765L43
Date of EUT Receipt	Feb. 13, 2023
Date of Test(s)	May 26, 2023
Date of Issue	Jun. 13, 2023
In the configuration tested, the El	JT complied with the standards specified above.

Remarks:

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

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Signed on behalf of SGS

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

Date: Jun. 13, 2023

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2305000314EN	00	Added UNII4 5.9G	Jun. 13, 2023	Kimmy Chiou	
Note:					

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

Measurement results in the original test report EN/2021/C0030 and EN/2021/C0030-01 are fully leveraged in this test report.

Added UNII4 5.9G to this report.

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GENERAL INFORMATION 1

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards: IEEE/ANSI C95.1-1992 IEEE 1528-2013 KDB447498D01v06 KDB865664D01v01r04 KDB865664D02v01r02 KDB616217D04v01r02 KDB248227D01v02r01 IEC/IEEE 62209-1528:2020 SPEAG DASY6 System Handbook SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz) IEC TR 63170:2018 IEC 62479:2010

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1.2 **Description of EUT**

Product Name	Notebook Computer				
Brand Name	HP				
Model No.	HSN-I54C				
FCC ID	B94QCNFA765L43				
Integrated WLAN Module	Brand Name: Qualcomm Model Name: QCNFA765				
	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 MH 5.6GHz (5470.0 – 5725.0 MH 5.8GHz (5725.0 – 5850.0 MH 5.9GHz (5850.0 – 5895.0 MH				
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 5.2	2.4GHz (2400.0 – 2483.5 MHz)			

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1.3 Maximum value

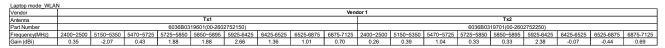
Vendor 1

Summary of	Summary of Maximum SAR and Power Density Value								
Mode	Highest SAR1g Body (W/kg)	Highest APD (mW/cm ²)	Highest PD (mW/cm ²)						
2.4G WLAN	0.69	N/A	N/A						
5G WLAN	1.07	N/A	N/A						
6E WLAN	0.13	0.13 0.10							
Bluetooth(GFSK)	0.23	N/A	N/A						

Vendor 2

Summary of	Maximum SAR and P	ower Density Value	
Mode	Highest SAR1g Body (W/kg)	Highest APD (mW/cm ²)	Highest PD (mW/cm ²)
2.4G WLAN	0.49	N/A	N/A
5G WLAN	0.75	N/A	N/A
6E WLAN	0.11	0.09	0.06
Bluetooth(GFSK)	0.32	N/A	N/A

1.4 Antenna Information



Vendor									Ven	ior 2						Vendor 2									
Antenna	Tx1								Tx1 Tx2																
Part Number	6036B0319801(81EABL15.G64)											6036B03	19901(81EAB	L15.G65)											
Frequency(MHz)	2400~2500	5150~5350	5470~5725	5725~5850	5850~5895	5925-6425	6425-6525	6525-6875	6875-7125	2400~2500	5150~5350	5470~5725	5725~5850	5850~5895	5925-6425	6425-6525	6525-6875	6875-7125							
Gain (dBi)	-2.64	-1.57	-0.52	-0.49	-0.49	-0.80	-1.18	0.18	0.18	-1.5	-1.52	1.56	1.56	0.72	0.08	0.08	0.35	0.35							
Tebleterede 140 Ab																									
Tablet mode_WLAN	1								•					•											
Vendor	1								Ven	lor 1															
Vendor Antenna	4				Tx1			•	Ven	lor 1	•			Tx2											
Vendor				6036B03	Tx1 19601(00-2602	2752150)			Ven	dor 1			6036B03	Tx2 19701(00-260											
Vendor Antenna		5150~5350				2752150) 5925-6425	6425-6525	6525-6875	Ven 6875-7125		5150~5350	5470~5725	6036B03 5725~5850			6425-6525	6525-6875	6875-7125							

Tablet mode_WLAN	4																	
Vendor		Vendor 2																
Antenna					Tx1									Tx2				
Part Number				6036B03	19801(81EAB	L15.G64)							6036B03	19901(81EAB	L15.G65)			
Frequency(MHz)	2400~2500	5150~5350	5470~5725	5725~5850	5850~5895	5925-6425	6425-6525	6525-6875	6875-7125	2400~2500	5150~5350	5470~5725	5725~5850	5850~5895	5925-6425	6425-6525	6525-6875	6875-7125
Gain (dBi)	-2.48	-0.42	0.24	-0.16	-0.16	-0.83	-1.13	0.37	0.37	-1.56	-0.21	1.21	1.21	-0.1	0.94	1.12	1.12	0.83
-																		

Note: Antenna information is provided by the applicant.

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MEASUREMENT SYSTEM 2

2.1 **Test Facility**

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
	1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road,	SAR 2		
	Neihu District, Taipei City, 11493, Taiwan.	SAR 6	TW0029	
SGS Taiwan Ltd.	No. 2, Keji 1st Rd., Guishan	SAR 1		
Central RF Lab. (TAF code 3702)	Township, Taoyuan County, 33383, Taiwan	SAR 4	TW0028	TW3702
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku	SAR 3		-
	District, New Taipei City, Taiwan	SAR 7	TW0027	
Noto: Test site	name is remarked on the	aquinment list i	in each section of	this report as an

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

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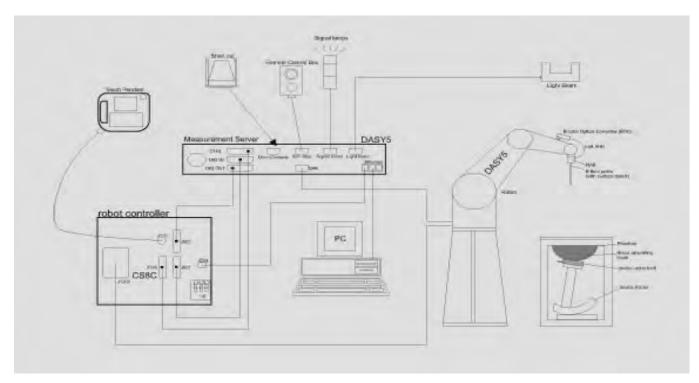
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2.2 SAR System

Block Diagram (DASY5)

A block diagram of the SAR measurement System is given in below. This SAR measurement system uses a computer-controlled 3-D stepper motor system (SPEAG DASY 5 professional system). The model EX3DV4 field probe is used to determine the internal electric fields. The SAR can be obtained from the equation SAR= σ (|Ei|²)/ ρ where σ and ρ are the conductivity and mass density of the tissue-simulant.



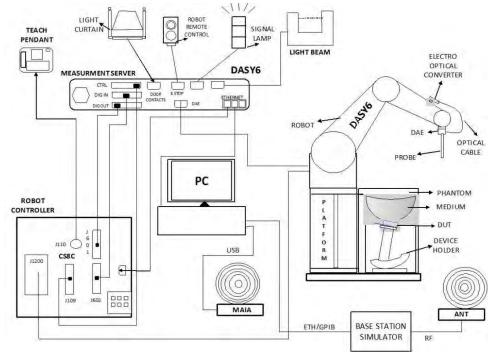
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Block Diagram (DASY6)

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 2450/5250/5600/5750/6500/7000 MHz Additional CF for other liquids and frequencies upon request
Frequency	10 MHz to > 6 GHz
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic	10 μW/g to > 100 mW/g
Range	Linearity: $\pm 0.2 \text{ dB}$ (noise: typically < 1 μ W/g)
Dimensions	Tip diameter: 2.5 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.

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PHANTOM (ELI)

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

DEVICE HOLDER

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

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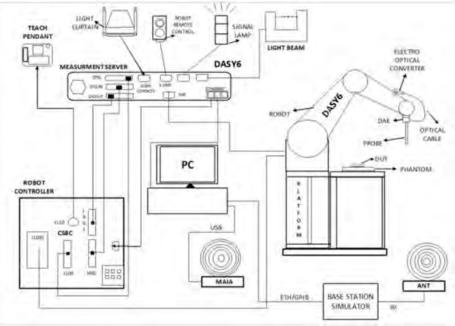
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PD system 2.3

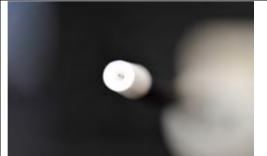
Block Diagram (DASY6)

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.

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Frequency Range	750 MHz – 110 GHz
Dynamic Range	< 20 V/m – 10,000 V/m with PRE-10 (min <
	50 V/m - 3000 V/m)
Position Precision	< 0.2 mm (DASY6)
Dimensions	Overall length: 337 mm (tip: 20 mm)
	Tip diameter: encapsulation 8 mm
	(internal sensor < 1mm)
	Distance from probe tip to dipole centers:
	< 2 mm. Sensor displacement to probe's
	calibration point: < 0.3 mm
Applications	E-field measurements of 5G devices and
	other mm-wave transmitters operating
	above 10GHz in < 2 mm distance from
	device (free-space).Power density, H-field
	and far-field analysis using total field
	reconstruction (cDASY6 5G module
sensor1,5mm 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 3

3.1 **Tissue Simulating Liquid**

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

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.

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3.3 Measurement results of Tissue Simulant Liquid

Report No. :EN/2021/C0030

Tissue Type	Measurement Date	Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev ɛr	% dev σ
		2402	39.285	1.757	38.664	1.768	-1.58%	0.63%
		2412	39.268	1.766	38.631	1.777	-1.62%	0.61%
		2437	39.223	1.788	38.567	1.799	-1.67%	0.62%
	Dec, 29. 2021	2441	39.216	1.792	38.562	1.802	-1.67%	0.56%
		2450	39.200	1.800	38.544	1.811	-1.67%	0.61%
		2462	39.185	1.813	38.516	1.823	-1.71%	0.55%
		2480	39.147	1.827	38.487	1.841	-1.69%	0.77%
		5190	35.997	4.645	37.228	4.643	3.42%	-0.04%
	Dec, 30. 2021	5200	35.986	4.655	37.200	4.655	3.37%	0.00%
		5230	35.951	4.686	37.109	4.693	3.22%	0.15%
		5260	35.917	4.717	37.073	4.729	3.22%	0.27%
	Dec, 31. 2021	5280	35.894	4.737	37.064	4.767	3.26%	0.63%
	Dec, 31. 2021	5300	35.871	4.758	37.022	4.792	3.21%	0.73%
		5320	35.849	4.778	36.987	4.818	3.18%	0.84%
		5500	35.643	4.963	36.733	5.026	3.06%	1.28%
Head	Jan, 01. 2022	5600	35.529	5.065	36.589	5.154	2.98%	1.76%
	Jan, 01. 2022	5700	35.414	5.168	36.288	5.267	2.47%	1.93%
		5720	35.391	5.188	36.219	5.293	2.34%	2.02%
		5745	35.363	5.214	36.176	5.321	2.30%	2.06%
	lan 02 2022	5785	35.317	5.255	35.987	5.368	1.90%	2.16%
	Jan, 02. 2022	5800	35.300	5.270	35.923	5.389	1.76%	2.26%
		5825	35.271	5.296	35.895	5.426	1.77%	2.46%
		6025	35.038	5.504	34.647	5.423	-1.11%	-1.48%
		6185	34.851	5.692	34.451	5.613	-1.15%	-1.39%
		6345	34.664	5.880	34.275	5.796	-1.12%	-1.43%
		6500	34.483	6.063	34.093	5.974	-1.13%	-1.46%
	Jan, 03. 2022	6505	34.478	6.068	34.085	5.982	-1.14%	-1.42%
		6665	34.291	6.256	33.907	6.165	-1.12%	-1.46%
		6825	34.104	6.444	33.713	6.349	-1.15%	-1.48%
		6985	33.918	6.632	33.524	6.531	-1.16%	-1.53%
		7000	33.900	6.650	33.502	6.547	-1.17%	-1.55%

Report No.: TESA2305000314EN

Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev ɛr	% dev σ	Limit	Measurement Date
5750	35.350	5.220	34.846	5.270	-1.43%	0.96%	± 5%	May. 26, 2023
5815	35.285	5.286	34.656	5.377	-1.78%	1.73%	± 5%	May. 26, 2023

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3.4 The composition of the tissue simulating liquid:

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

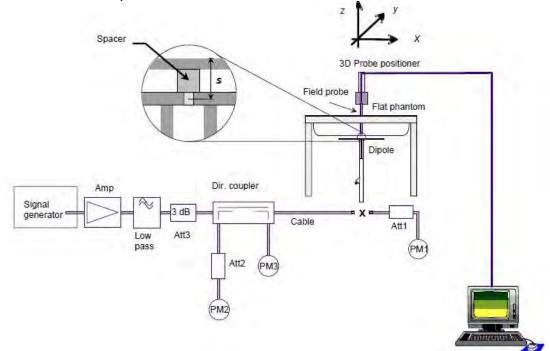
Broad-band head tissue simulating	SPEAG Product	Frequency range (MHz)	Main Ingredients
liquids	HBBL600- 10000V6	600 - 10000	Water, Oil

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 SAR values.

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

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



The block diagram of system check

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3.6 System check results

Report No. :EN/2021/C0030

Validation Kit	S/N	Frequency (MHz)				1W Target SAR-1g (mW/g)	pin=250mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date
D2450V2	727	2450 Head		53.9	13.20	52.8	-2.04%	Dec. 29, 2021		
Validation Kit	S/N	Frequency (MHz)		1W Target SAR-1g (mW/g)	Pin=100mW Measured SAR-1g (mW/g)	Measured SAR-1g normalized to 1W (mW/g)	Deviation (%)	Measured Date		
		5200	Head	77.9	7.90	79	1.41%	Dec. 30, 2021		
D5GHzV2	1023	5300	Head	80.4	7.82	78.2	-2.74%	Dec. 31, 2021		
DOGHZVZ	1023	5600	Head	83.9	8.77	87.7	4.53%	Jan. 01, 2022		
		5800	Head	80.9	8.08	80.8	-0.12%	Jan. 02, 2022		
D6.5GHzV2	1006	6500	Head	291	27.80	278	-4.47%	Jan. 03, 2022		
D7GHzV2	1007	7000	Head	275	28.00	280	1.82%	Jan. 03, 2022		

Report No.: TESA2305000314EN

Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D5GHzV2	1349	5750	81.4	8.02	80.2	-1.47	± 10%	May.26,2023

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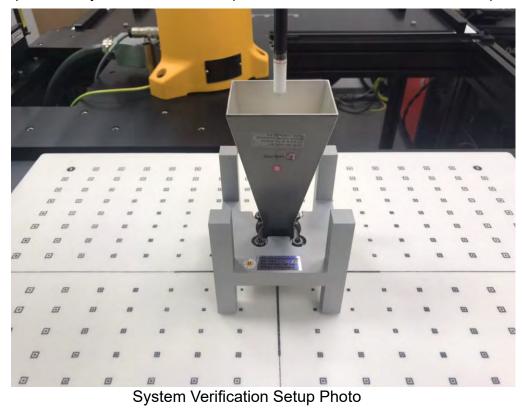


PD SYSTEM VERIFICATION 4

4.1 System check

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

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



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4.2 System check result

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check. The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

Frequency (GHz)	PD Verification Source	Probe S/N	DAE S/N	Distance (mm)	Prad (mW)	Measured 4cm^2 (W/m^2)	Target 4cm^2 (W/m^2)	Deviation (dB)	Date
10G	10G	9579	1665	10	74	43.8	41.2	0.27	Jan. 05, 2022

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TEST CONFIGURATIONS 5

5.1 Test Environment

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

5.2 **Test Note**

• General: Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s).

General: The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.

General: During the SAR testing, the DASY system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.

General: According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is ≤ 0.8 W/kg, when the transmission band is \leq 100 MHz.

General: According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is \geq 0.8 W/kg, repeated that measurement once. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is \geq 1.45 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 \leq 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 \leq 1.2 W/kg, SAR is not required for subsequent test configuration.

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

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

• WLAN 6GHz: Per equipment manufacturer guidance, power density was measured at d=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.

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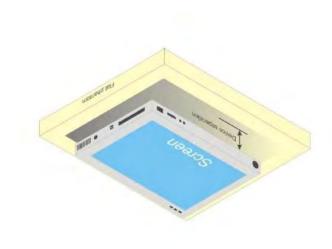


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5.3 **Test position**

Tablet mode SAR test position (0mm)

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



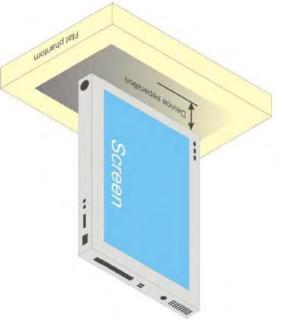


Illustration for Tablet Setup

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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5.4 Power verification of device mode

The device is a convertible laptop computer with predefined single fixed power to each device modes.

For the operating modes validation, the measured conducted output power is monitored qualitatively to identify the triggering characteristics and recorded quantitatively.

DUT operating mode	Lid Angle description	WLAN TX state
Lid-close	$0^{\circ} \leq \text{Lid angle} < 35^{\circ}$	No TX transmission
Notebook	35° ≤ Lid angle < 130°	Full Power Level
Tablet	$130^{\circ} \leq \text{Lid angle} \leq 360^{\circ}$	Reduced Power Level

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

Report No. : EN/2021/C0030-01

				0030-0							
Operation		angle	802.11b	802.11n(40M) 5.2G		802.11a 5.6G	802.11a 5.8G			6 802.11ax(160M) 6.7G	
		0° 10°	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Lid clos		20*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		90°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Laptop		10° 15°	20.40	14.98	18.93 18.90	18.92 18.97	18.90	8.92	8.91	8.97	8.93 8.90
		10°	20.42 n/a	n/a	n/a	n/a	18.96 n/a	8.93 n/a	8.93 n/a	n/a	n/a
		81°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lid close		12°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		13° 14°	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
		15°	20.45	14.95	18.97	18.99	18.97	8.95	8.94	8.91	8.92
		6*	20.43	14.95	18.97	18.95	18.94	8.99	8.92	9.00	8.96
		87° 18°	20.42 20.43	14.94 14.94	18.94 19.00	18.91 18.94	18.98 18.98	8.95 8.97	8.96 8.92	9.00 8.95	8.98 8.95
		10 19°	20.43	14.94	18.97	18.93	18.98	8.93	8.93	8.98	8.94
		10°	20.42	14.95	18.92	18.92	18.93	8.90	8.93	8.97	8.96
Laptop		50°	20.47	14.98	18.93	19.00	18.94	8.97	8.92	8.91	9.00
		60° 70°	20.47 20.41	14.96 14.94	18.95 18.99	18.91 19.00	18.90 18.95	9.00 8.93	8.92 8.93	9.00 8.97	8.90 8.93
		0°	20.41	14.91	18.93	18.98	18.92	8.90	8.96	8.95	8.92
		10°	20.40	14.90	18.95	18.99	18.96	8.92	8.94	8.99	8.95
		00° 10°	20.42 20.41	15.00	18.93 18.92	18.99 18.97	18.93 18.97	8.98 8.97	8.92	8.90 8.97	9.00 8.96
		20*	20.41	14.90	18.92	18.99	18.98	8.97	8.99	8.95	8.90
Table	t 1	30°	19.93	14.92	17.90	17.92	17.90	8.93	8.94	8.98	8.97
	1	25°	20.50	14.97	18.94	18.90	19.00	9.00	8.98	8.98	8.91
Lanta	1	26*	20.48	14.98	18.95	18.95	19.00	8.91	8.93	8.98	8.97
Laptop		27° 28°	20.42	14.93 14.97	18.90 19.00	18.92 18.91	18.93 18.94	8.93 8.93	8.98	8.90 8.94	8.95
		20°	20.40	14.95	18.94	18.94	18.92	9.00	8.99	8.91	8.98
	1	30°	20.00	14.97	17.95	17.94	17.97	8.94	8.96	8.95	8.95
		31° 32°	20.00	14.94 14.99	17.95 17.91	17.99 17.99	18.00 17.98	8.93 8.98	8.94 8.99	8.94 8.99	8.91 8.93
1	1	32° 33°	19.93	14.99	17.91	17.99	17.98	8.98	9.00	8.99	8.93
	1	34°	19.99	14.93	17.93	17.94	17.91	8.93	8.98	8.98	8.97
		35°	19.97	15.00	17.95	17.92	17.92	8.97	8.97	9.00	8.96
		45° 55°	19.94 19.99	14.99 14.97	17.94 17.94	18.00 17.96	17.94 17.95	8.92 8.96	8.91 8.96	9.00 8.95	8.93 8.99
		55°	19.95	14.99	17.94	17.96	17.95	9.00	8.99	8.97	8.99
	1	75°	19.95	14.91	17.90	17.97	17.95	8.97	8.93	8.92	8.99
		85°	19.94	14.94	17.95	17.93	17.93	9.00	8.90	8.92	8.96
		95° 05°	19.90	14.98 14.93	17.97 18.00	17.95	17.99	8.90 8.99	8.99 8.97	8.92 8.98	8.98
	2	15°	19.95	14.91	17.92	17.98	17.91	8.94	8.91	8.90	8.91
Table		25°	19.98	14.94	17.97	17.97	17.98	8.94	8.90	8.92	8.99
		35° 45°	19.94	14.97 14.98	17.98 17.97	17.99	17.92 17.93	8.93 8.92	8.92 8.92	8.96 8.96	8.97
		40 55°	19.99	14.99	17.97	17.99	17.93	8.96	8.93	8.98	8.95
		65°	19.99	14.96	17.92	17.96	17.98	8.99	8.95	8.98	8.98
	2	75°	19.96	14.96	17.90	17.90	17.99	8.96	8.95	8.93	8.90
		85° 95°	19.90 20.00	14.96 14.91	17.96 17.96	17.91 17.95	17.91 17.92	9.00 8.92	8.91 8.95	8.97 8.99	8.96 8.92
		05*	19.90	14.97	18.00	17.91	17.93	8.95	9.00	8.99	9.00
		15°	19.91	14.92	17.93	17.94	17.91	8.95	8.95	8.92	8.91
		25°	19.90	14.99	18.00	17.97	17.91	8.92	8.91	8.99	8.94
		35° 45°	19.94 19.99	14.93 14.98	17.91 17.97	17.91 17.94	17.99 17.95	8.99 8.90	8.92 9.00	8.93 8.99	8.91 8.92
		55°	19.94	14.96	17.97	17.98	17.99	8.90	8.97	8.92	8.90
		60°	19.92	14.94	17.99	17.94	17.92	9.00	8.92	8.96	8.95
		50° 40°	19.91	14.93	17.93	17.90	17.91	8.91	8.98	8.97	9.00
	3	30°	19.98	14.97	17.94	17.96	17.91	8.96	8.92	8.96	8.91
		20*	19.96	14.99	17.94	17.92	17.90	8.98	8.90	8.97	8.97
		10° 00°	19.94 19.91	14.97 14.99	17.94 17.92	17.98 17.95	17.96 17.90	8.95 8.91	8.99 8.96	8.94 8.99	8.91 8.97
		90°	19.91	15.00	17.92	17.92	17.98	8.95	8.91	8.90	8.97
		80°	19.90	14.97	17.94	17.94	17.91	8.91	8.93	8.92	8.99
		70°	19.99	14.90	17.90	17.99	17.96	8.97	8.90	8.98	8.95
		60° 50°	19.97 19.95	14.90 15.00	17.90 17.96	17.98 17.95	17.91 17.90	8.99 8.97	8.98 8.94	8.93 8.92	8.99 8.96
Table	t 2	40°	19.95	14.96	17.94	17.99	17.98	8.97	8.95	8.93	8.94
1	2	30°	19.96	14.90	17.98	17.98	17.93	9.00	8.95	8.96	8.91
		20° 10°	19.96 19.98	14.99 14.98	17.92	17.98	17.98	9.00	8.93	8.95	8.99
		10° 00°	20.00	14.98	17.96	17.90	17.97	8.90	8.93 8.91	8.98	9.00
	1	90°	19.98	14.94	17.98	17.99	17.97	8.90	8.99	8.91	8.91
		80°	19.96	14.94	17.98	17.95	18.00	8.96	8.90	8.99	8.90
		70° 60°	19.92 19.98	14.95 14.97	17.96 17.98	17.95	17.92	8.93 8.98	8.97 8.97	8.91 8.97	8.93 8.95
	1	50°	19.97	14.90	17.94	17.92	17.97	8.96	8.97	9.00	8.91
		40°	19.98	14.98	17.93	17.92	17.90	9.00	9.00	8.92	8.96
	1	30° 20°	19.95 20.43	14.97 14.95	17.94	17.99 18.98	17.94 18.99	8.90 8.99	8.98	8.98	8.90 8.91
Laptop		20° 25°	20.43	14.90	19.00	18.98	18.99	8.99	8.90	8.98	8.91
Table		30°	19.91	14.91	17.97	17.99	17.91	8.92	8.93	8.92	8.91
	1	29°	20.40	14.91	18.94	18.90	18.94	8.90	8.99	8.99	8.97
		28°	20.41	14.91	18.94	18.96	18.94	8.90	8.92	8.93	8.98
1		27° 26°	20.49 20.45	14.93 15.00	18.91 18.92	18.94 18.92	18.95 18.96	8.99 8.92	8.98 8.93	9.00 8.95	8.92 8.90
		25°	20.49	14.91	18.91	18.99	18.93	9.00	8.90	9.00	8.94
1		15°	20.40	14.98	19.00	18.90	18.96	8.95	8.97	8.93	8.97
Laptop		05°	20.44	14.98	18.95	18.97	19.00	8.98	8.91	8.94	8.96
1 .		15° 15°	20.47 20.42	14.99 14.90	18.94 18.95	18.95 18.98	18.91 18.91	8.91 8.99	8.93 8.97	8.92 8.97	8.98
		'5°	20.42	14.90	18.95	18.98	18.91	8.99	8.97	8.97	8.98
		i5°	20.42	14.98	19.00	18.90	18.96	8.98	8.94	8.95	8.90
		i5°	20.43	14.90	18.91	18.93	18.95	8.90	8.96	8.95	8.99
		15°	20.40	15.00	18.93	18.94	18.93	8.93	8.91	8.92	8.92
		15°	20.49	14.97	18.90	18.94	18.93	8.99	8.95	8.95	8.90 n/a
Lid clos		25° 10°	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Laptop		15°	20.44	14.96	18.99	18.96	18.96	8.91	8.90	8.91	8.96
		14°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		13°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		2°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lid clos		81° 80°	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
		20°	n/a n/a	n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
		0*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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Antenna	Operation mode	Lid angle	802.11b	802.11ac(80M) 5.2G	802.11ac(80M) 5.3G	802.11ac(80M) 5.6G	802.11ac(80M) 5.8G	802.11ax(160M) 6.2G	802.11ax(160M) 6.5G	802.11ax(160M) 6.7G	802.11ax(160M) 7.0G
7 diagrama	operatornitie	0°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	10° 20°	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
		30*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Laptop	40°	20.49	14.96	18.99	19.00	18.97	8.95	8.91	8.98	8.95
	· · ·	35° 30°	20.47 n/a	15.00 n/a	18.92 n/a	19.00 n/a	18.96 n/a	8.90 n/a	8.97 n/a	8.91 n/a	8.99 n/a
		31°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	32*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		33° 34°	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
		35°	20.45	14.99	18.94	18.94	18.91	9.00	9.00	8.94	8.93
		36° 37°	20.43 20.42	14.95 14.98	18.94 18.92	18.93 18.91	19.00 18.98	8.90 8.91	8.92 8.97	8.94 8.91	8.98 8.93
		38°	20.42	14.96	18.93	18.99	18.93	8.96	8.95	8.90	8.96
		39*	20.41	14.90	18.94	19.00	18.99	8.96	8.98	8.98	8.96
		40° 50°	20.47 20.40	14.93 14.97	19.00 18.90	18.98 18.98	19.00 18.93	8.97 8.96	8.94	8.99 8.98	8.90 8.96
	Laptop	60°	20.43	14.91	18.92	18.98	18.99	9.00	8.94	8.95	8.90
		70° 80°	20.49 20.41	14.95 14.93	18.94 18.95	18.94 18.93	19.00 18.97	9.00	8.96 8.98	8.98 8.97	8.99 8.95
		90°	20.41	14.93	18.95	18.93	18.97	8.93	8.98	8.97	8.95
		100°	20.46	15.00	18.98	18.98	18.99	8.95	8.93	8.95	8.95
		110° 120°	20.40 20.49	14.99 14.92	18.99 18.91	18.91 18.94	18.96 18.95	8.92 8.93	8.93 8.95	8.94 9.00	8.92 8.99
	Tablet	130*	19.96	14.95	17.90	17.93	17.91	8.90	8.95	8.94	8.95
		125°	20.40	14.91	18.93	18.91	18.90	8.99	8.97	8.92	9.00
	Laptop	126° 127°	20.44	14.92	18.95	19.00	18.93	8.91	8.98	8.98	8.99
		128°	20.46	14.92	18.97	18.90	18.90	8.99	8.97	8.95	8.91
	I	129*	20.42	15.00	18.93	18.97	18.98	8.99	8.91	8.90	8.97
	1	130° 131°	19.99 19.98	14.91 14.99	17.95 17.90	17.92 17.98	17.98 17.91	9.00 8.93	8.98 8.98	8.90 8.98	8.95 8.97
	1	132*	19.91	14.96	17.99	17.95	17.97	9.00	8.97	8.91	8.99
	1	133° 134°	19.90 19.95	14.92	17.98 17.92	17.96	17.99 17.91	8.91 8.98	8.90 8.98	8.95 8.99	8.94 8.91
	1	135°	20.00	14.91	17.93	17.99	17.96	8.94	8.95	9.00	8.93
		145°	19.95	14.95	18.00	17.94	17.93	8.95	8.97	8.99	8.99
	1	155° 165°	19.90 19.99	14.97	17.91	17.96 17.98	17.96 17.96	8.96	8.92	8.98	8.99 8.98
	1	175°	19.91	14.90	17.91	17.95	17.95	8.95	8.96	8.98	8.98
	1	185° 195°	19.91 19.90	14.97 14.99	17.95 17.92	17.92 17.94	17.95 17.92	8.94 8.93	8.97 8.97	8.91 8.94	8.90 8.93
		205*	20.00	14.99	17.92	17.94	17.92	8.93	8.97	8.94	8.93
		215°	19.97	14.96	17.93	18.00	18.00	8.93	8.95	8.94	8.98
	Tablet	225° 235°	20.00	14.90 15.00	17.93 17.93	17.94	18.00 17.92	8.95	8.93	8.94 8.99	8.97 8.93
		245*	19.96	14.90	17.95	17.98	17.98	8.91	8.98	8.93	8.90
		255*	19.96	14.97	17.97	17.94	17.92	8.98	8.96	8.99	8.94
		265° 275°	19.97 20.00	14.95 14.93	17.93 17.98	17.96 17.93	17.91 17.93	8.98 8.96	8.92 9.00	8.94 8.94	8.90 8.91
		285°	19.98	14.98	18.00	17.96	17.91	8.99	8.96	8.92	8.97
		295° 305°	19.94 19.94	14.96	17.97	17.98	17.96	8.94	8.91	8.92	8.96
		305°	19.94	14.90	17.94	17.95	17.91	8.99	8.94	8.98	9.00
Tx2	x2	325°	19.92	14.94	17.98	17.95	17.91	9.00	8.92	8.99	8.96
1.12		335° 345°	19.97 19.95	14.95 14.97	17.95 17.95	17.93 17.95	17.93 18.00	8.95 8.99	8.92 8.98	8.95 8.95	8.90 8.96
		355*	19.92	14.91	18.00	17.91	17.90	8.94	8.97	9.00	9.00
	-	360*	19.90 19.99	14.96	18.00 17.90	17.95	18.00	8.94	8.92 8.97	8.94 8.92	8.95 8.92
		350° 340°	19.99	14.99	17.90	17.95 17.97	17.97 17.97	8.92	8.97	8.92	8.92
		330°	19.91	14.97	17.92	18.00	17.93	8.93	8.91	8.98	8.91
		320° 310°	19.91 20.00	14.95 14.93	17.90 17.93	17.97	18.00	8.99	8.93 8.90	8.98 8.97	8.90 8.96
		300*	19.98	14.91	17.92	17.98	17.94	8.93	8.99	8.90	8.98
		290*	19.93	14.90	17.93	17.95	17.96	8.98	8.91	8.98	8.95
		280° 270°	19.91 19.95	15.00 14.93	17.92 17.93	17.95 17.92	17.91 18.00	8.91 8.90	8.93 8.93	8.99 8.99	8.93 9.00
		260°	19.90	15.00	17.97	17.96	17.98	8.98	8.96	8.96	8.98
	Tablet	250° 240°	19.91 19.99	14.95 14.91	17.91 17.96	17.92	17.90 17.96	8.90	8.99	8.99 8.97	8.95 8.93
	Tables	230°	19.95	14.98	17.91	17.92	17.96	8.97	8.92	9.00	8.99
	1	220*	20.00	14.90	17.98	18.00	17.91	8.90	8.98	8.91	9.00
	1	210° 200°	19.98 19.94	14.93 14.94	17.91 17.94	17.94 17.91	17.92 17.96	9.00 8.90	8.96 8.98	8.91 8.98	8.92 8.94
	1	190°	19.95	14.90	17.94	17.94	17.95	8.91	8.91	9.00	8.92
	1	180° 170°	19.94 20.00	14.94	18.00	17.90	17.91	8.95 8.96	8.93	9.00	8.93 8.95
	1	160°	19.96	14.99	18.00	17.98	17.93	8.98	8.93	8.98	8.92
	1	150°	19.90	14.93	17.96	17.94	17.90	8.98	8.91	8.93	9.00
	1	140° 130°	19.91 20.00	14.99	17.90	17.91 17.90	17.94 17.95	8.97	8.98 8.94	8.94 8.90	8.95 8.92
	Laptop	120°	20.48	14.99	18.92	18.96	19.00	8.94	8.97	9.00	8.96
		125*	20.44	14.90	18.94	18.93	18.90	8.95	8.90	8.95	8.98
	Tablet	130° 129°	19.91 20.40	14.92	17.92	17.91 18.99	17.94	8.98	8.98	8.98 8.98	8.91 8.99
	1	128°	20.50	14.93	18.92	18.97	18.94	9.00	8.94	8.91	8.95
	1	127*	20.47	14.97	18.96	19.00	18.94	8.91	9.00	8.99	8.93
	1	126° 125°	20.43 20.40	15.00 14.90	19.00 18.93	18.91 18.96	18.92 18.99	8.95 8.95	8.97	8.93 8.90	8.91 9.00
	1	115*	20.44	14.97	18.93	18.92	18.97	8.94	8.94	8.95	8.96
	Laptop	105°	20.49	14.91	18.90	19.00	18.99	8.95	8.96	8.91	8.90
	1	95° 85°	20.44 20.45	14.90 14.90	18.95 18.99	18.98 18.97	18.90 18.92	8.95 8.90	8.91 9.00	8.94 8.97	8.94 8.98
	1	75°	20.43	14.97	18.95	18.96	18.90	8.98	8.93	8.98	8.94
	1	65°	20.46	14.92	18.90	18.98	18.93	8.91	8.92	8.91	8.90
	1	55° 45°	20.40 20.50	14.93 14.97	18.98	18.97 18.94	19.00 18.92	8.91 8.94	8.99 8.92	8.95 9.00	8.93 8.99
		35°	20.30	14.99	18.91	18.98	18.98	9.00	8.98	8.95	8.99
	Lid close	25°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	30° 35°	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Lanter		20.48	14.96	18.98 n/a	18.97 n/a	18.99 n/a	8.96 n/a	8.94 n/a	8.92 n/a	8.90 n/a
	Laptop		p/a								
	Laptop	34° 33°	n/a n/a	n/a n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Laptop	34° 33° 32°	n/a n/a	n/a n/a	n/a n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Laptop Lid close	34° 33° 32° 31°	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
		34° 33° 32° 31° 30° 20°	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a
		34° 33° 32° 31° 30°	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a

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Antenna	Occuration mode	List souls	000 44 (460M) E 00		Antonno	Occupation mode	List seeds	000 44(46044) (
	Operation mode	Lid angle 0°	802.11ac(160M) 5.9G n/a		Antenna	Operation mode	Lid angle 0°	802.11ac(160M) 5 n/a
		10°	n/a				10°	n/a
	Lid close	20°	n/a			Lid close	20°	n/a
		30°	n/a				30°	n/a
	Lastas	40°	17.96			Lantas	40°	17.81
	Laptop	35°	17.83			Laptop	35°	17.80
		30°	n/a				30°	n/a
		31°	n/a				31°	n/a
	Lid close	32°	n/a			Lid close	32°	n/a
		33°	n/a				33°	n/a
		34°	n/a				34°	n/a
		35°	17.92				35°	17.81
		36°	18.00				36°	17.97
		37°	17.80				37°	17.85
		38°	17.97				38°	17.89
		39°	18.00				39°	17.93
		40°	17.99				40°	17.89
		50°	18.00				50°	17.87
	Laptop	60°	17.84			Laptop	60°	17.82
		70°	17.93				70°	17.94
		80°	17.92				80°	17.86
		90°	17.92				90°	17.95
		100°	17.90				100°	17.97
		110°	17.81				110°	17.86
		120°	17.94				120°	17.94
	Tablet	130°	17.90			Tablet	130°	17.85
	Tablet	130 125°	17.80			Tablet	130 125°	17.99
		125 126°	17.90				125 126°	17.99
	Lastes	120 127°	17.82			Lenter	120 127°	17.89
	Laptop					Laptop		
	1	128° 129°	17.83 17.96		1		128° 129°	17.96
	<u> </u>		17.90		1			18.00
	1	130°	17.95		1		130°	17.84
	1	131°	17.86		1		131°	17.94
	1	132°	17.94		1		132°	17.90
	1	133°	17.93		1		133°	17.99
	1	134°	18.00		1		134°	18.00
	1	135°	17.81		1		135°	17.88
	1	145°	17.92		1		145°	17.82
	1	155°	18.00		1		155°	17.97
		165°	17.82				165°	17.95
	1	175°	17.98		1		175°	17.98
		185°	17.96				185°	17.85
		195°	17.86			Tablet	195°	17.99
	Tablet	205°	17.92				205°	17.80
		215°	17.81				215°	17.85
		225°	17.92				225°	17.88
		235°	17.81				235°	17.97
		245°	17.87				245°	17.98
		255°	17.93				255°	17.84
		265°	18.00				265°	17.89
		275°	17.80				275°	17.81
		285°	17.86				285°	17.86
		295°	17.85				295°	17.81
		305°	17.99				305°	17.81
		315°	17.92				315°	17.80
		325°	17.81		Tx2		325°	17.87
Tx1		335°	17.92				335°	17.87
		345°	17.99				345°	17.94
		355°	17.85				355°	17.90
		360°	17.85				360°	17.89
		350°	17.80		-		350°	17.96
		340°	17.82				340°	17.81
		330°	17.92				330°	17.88
		320°	17.98				320°	17.95
		310°	17.86				310°	17.92
		300°	17.97				300°	17.93
		290°	17.95				290°	17.97
		280°	17.93				280°	17.86
		270°	17.89				270°	17.95
		260°	17.80				260°	17.92
		250°	17.81				250°	17.82
	Tablet	240°	17.90					
	Tablet					Tablet	240°	
						Tablet	240°	17.97
		230°	17.80			Tablet	230°	17.94
		230° 220°	17.80 17.92			Tablet	230° 220°	17.94 17.91
		230° 220° 210°	17.80 17.92 17.80			Tablet	230° 220° 210°	17.94 17.91 17.98
		230° 220° 210° 200°	17.80 17.92 17.80 18.00			Tablet	230° 220° 210° 200°	17.94 17.91 17.98 17.88
		230° 220° 210° 200° 190°	17.80 17.92 17.80 18.00 17.96			Tablet	230° 220° 210° 200° 190°	17.94 17.91 17.98 17.88 17.91
		230° 220° 210° 200° 190° 180°	17.80 17.92 17.80 18.00 17.96 17.95			Tablet	230° 220° 210° 200° 190° 180°	17.94 17.91 17.98 17.88 17.91 17.96
		230° 220° 210° 200° 190° 180° 170°	17.80 17.92 17.80 18.00 17.96 17.95 17.83			Tablet	230° 220° 210° 200° 190° 180° 170°	17.94 17.91 17.98 17.88 17.91 17.96 17.88
		230° 220° 210° 190° 180° 170° 160°	17.80 17.92 17.80 18.00 17.96 17.95 17.83 17.91			Tablet	230° 220° 210° 200° 190° 180° 170° 160°	17.94 17.91 17.98 17.88 17.91 17.96 17.88 17.95
		230° 220° 210° 200° 190° 180° 170° 160° 150°	17.80 17.92 17.80 18.00 17.96 17.95 17.83 17.91 17.85			Tablet	230° 220° 210° 200° 190° 180° 170° 160° 150°	17.94 17.91 17.98 17.88 17.91 17.96 17.88 17.95 17.83
		230° 220° 210° 200° 190° 180° 170° 160° 150° 140°	17.80 17.92 17.80 18.00 17.96 17.95 17.83 17.91 17.83 17.91 17.85 17.95			Tablet	230° 220° 210° 200° 190° 180° 170° 160° 150° 140°	17.94 17.91 17.98 17.88 17.91 17.96 17.88 17.95 17.83 17.95
		230° 210° 200° 180° 180° 170° 180° 150° 150° 140°	17.80 17.92 17.80 18.00 17.96 17.95 17.83 17.91 17.85 17.95 17.94			Tablet	220° 220° 210° 200° 190° 180° 170° 160° 150° 150° 140° 130°	17.94 17.91 17.98 17.88 17.91 17.96 17.88 17.95 17.83 17.95 17.83 17.98
	Laptop	230° 220° 210° 200° 190° 180° 170° 160° 150° 140° 130° 120°	17.80 17.92 17.80 17.96 17.95 17.95 17.83 17.91 17.85 17.95 17.94 17.98			Tablet	230° 220° 210° 190° 180° 170° 160° 150° 140° 130° 120°	17.94 17.91 17.98 17.88 17.91 17.96 17.88 17.95 17.83 17.95 17.83 17.98 17.82
		230° 210° 200° 180° 180° 170° 160° 150° 140° 130° 120° 120°	17.80 17.92 17.80 18.00 17.95 17.95 17.95 17.83 17.91 17.85 17.95 17.95 17.94 17.96 17.96 17.96			Laptop	230° 220° 210° 190° 180° 170° 160° 150° 140° 130° 120° 120°	17.94 17.91 17.98 17.88 17.91 17.96 17.88 17.95 17.83 17.83 17.82 17.86 17.86
	Laptop Tablet	230° 220° 210° 190° 180° 180° 180° 180° 180° 140° 130° 122° 125° 130°	17.80 17.92 17.80 18.00 17.96 17.95 17.83 17.91 17.85 17.95 17.94 17.94 17.99 17.92 17.80				220° 220° 210° 190° 180° 170° 160° 150° 140° 130° 120° 125° 130°	17.94 17.91 17.98 17.88 17.91 17.96 17.88 17.95 17.83 17.98 17.83 17.98 17.86 17.86 17.86 18.00
		220° 220° 210° 200° 190° 180° 160° 160° 160° 160° 160° 120° 125° 130° 125° 130°	17.80 17.92 17.80 18.00 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.94 17.96 17.94 17.92 17.80 17.82			Laptop	220" 220" 210" 200" 190" 180" 170" 160" 160" 160" 160" 140" 120" 125" 130" 125" 130"	17.94 17.91 17.98 17.98 17.96 17.96 17.95 17.83 17.95 17.83 17.98 17.82 17.86 17.86 18.00 17.84
		220° 220° 210° 190° 170° 160° 150° 160° 140° 120° 125° 130° 125° 130° 128°	17.80 17.92 17.80 18.00 17.96 17.95 17.83 17.95 17.95 17.94 17.94 17.92 17.80 17.87 17.87 17.87 17.85			Laptop	230° 220° 210° 200° 190° 190° 170° 160° 160° 160° 140° 130° 120° 125° 130° 125° 130° 128°	17.94 17.91 17.98 17.98 17.98 17.95 17.95 17.83 17.95 17.83 17.98 17.86 17.86 17.86 17.86
		230° 220° 210° 190° 180° 180° 180° 180° 180° 130° 120° 125° 130° 129° 128° 128°	17.80 17.82 17.82 17.80 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.82 17.82 17.82 17.85 17.87 17.87			Laptop	230" 220" 240" 200" 190" 180" 170" 160" 150" 140" 130" 120" 120" 120" 120" 120" 122" 122"	17.94 17.91 17.98 17.88 17.91 17.88 17.95 17.83 17.83 17.83 17.83 17.86 17.86 17.86 18.00 17.84 17.86
		230° 220° 200° 190° 190° 180° 160° 160° 160° 150° 130° 125° 130° 125° 130° 125° 130° 125° 125° 128°	17.80 17.82 17.80 18.00 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.98 17.98 17.80 17.87 17.85 17.85 17.84 17.85 17.84 17.85			Laptop	230° 220° 210° 200° 190° 190° 170° 160° 160° 160° 150° 140° 130° 125° 130° 125° 130° 125° 128°	17.94 17.91 17.98 17.98 17.91 17.96 17.88 17.95 17.83 17.98 17.82 17.82 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86
		230° 220° 210° 190° 190° 180° 180° 180° 150° 130° 120° 125° 128° 128° 128° 128° 128° 128° 128° 128	17.80 17.92 17.80 18.00 17.96 17.95 17.95 17.95 17.95 17.95 17.94 17.92 17.92 17.92 17.87 17.95 17.84 17.87 17.85			Laptop	230" 220" 210" 200" 190" 180" 170" 160" 150" 140" 150" 120" 120" 120" 120" 120" 120" 120" 12	17.94 17.91 17.98 17.98 17.91 17.96 17.88 17.95 17.83 17.95 17.83 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.82
		230° 220° 200° 190° 190° 180° 160° 160° 160° 150° 130° 125° 130° 125° 130° 125° 130° 125° 128°	17.80 17.82 17.80 18.00 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.98 17.98 17.80 17.87 17.85 17.85 17.84 17.85 17.84 17.85			Laptop	230° 220° 210° 200° 190° 190° 170° 160° 160° 160° 150° 140° 130° 125° 130° 125° 130° 125° 128°	17.94 17.91 17.98 17.98 17.91 17.96 17.88 17.95 17.83 17.98 17.82 17.82 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86
	Tablet	230° 220° 210° 190° 190° 180° 180° 180° 150° 130° 120° 125° 128° 128° 128° 128° 128° 128° 128° 128	17.80 17.92 17.80 18.00 17.96 17.95 17.95 17.95 17.95 17.95 17.94 17.92 17.92 17.92 17.87 17.95 17.84 17.87 17.85			Laptop Tablet	230" 220" 210" 200" 190" 180" 170" 160" 150" 140" 150" 120" 120" 120" 120" 120" 120" 120" 12	17.94 17.91 17.98 17.98 17.96 17.88 17.96 17.83 17.96 17.83 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.82 17.86 17.82 17.86 17.82 17.86 17.82 17.86 17.82 17.86 17.82 17.86 17.82 17.86 17.82 17.86 17.82 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.96 17.86 17.96 17.86 17.96 17.86 17.96 17.86
		2307 2207 2107 2007 1807 1807 1807 1807 1807 1407 1257 157 157 157 157 157 157 157 1	17.80 17.82 17.82 17.80 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.94 17.92 17.87 17.92 17.87 17.95 17.84 17.87 17.84 17.85 17.95 17.91 17.81			Laptop	230° 220° 210° 190° 180° 180° 160° 190° 190° 120° 125° 125° 125° 125° 125° 125° 125° 125	17.94 17.91 17.98 17.98 17.96 17.96 17.88 17.95 17.83 17.83 17.83 17.83 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.89 17.89 17.89 17.99
	Tablet	230° 220° 210° 190° 180° 180° 180° 180° 180° 120° 120° 120° 120° 120° 120° 122° 122	17.80 17.82 17.80 18.00 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.98 17.98 17.98 17.87 17.87 17.85 17.87 17.85 17.85 17.85 17.95			Laptop Tablet	230° 220° 210° 190° 180° 180° 160° 160° 160° 160° 160° 160° 160° 120° 120° 120° 120° 120° 120° 120° 12	17.94 17.91 17.98 17.98 17.96 17.96 17.96 17.96 17.96 17.88 17.96 17.80 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.89 17.89 17.99 17.99
	Tablet	230° 220° 210° 200° 180° 180° 180° 180° 180° 140° 130° 125° 125° 125° 125° 125° 125° 125° 125	17.80 17.82 17.82 17.80 17.95 17.95 17.95 17.95 17.95 17.95 17.94 17.92 17.87 17.92 17.87 17.87 17.87 17.84 17.85 17.95 17.95 17.81 17.81			Laptop Tablet	230° 220° 210° 200° 190° 180° 160° 160° 160° 140° 130° 120° 125° 125° 125° 125° 125° 125° 125° 125	17.94 17.91 17.98 17.98 17.91 17.96 17.95 17.95 17.83 17.95 17.83 17.98 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.86 17.96 17.96 17.96 17.96 17.96
	Tablet	230° 220° 210° 190° 180° 180° 180° 180° 180° 120° 120° 120° 120° 120° 120° 128° 128° 128° 128° 128° 128° 128° 128	17.80 17.82 17.80 18.00 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.80 17.87 17.85 17.95 17.87 17.85 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.80			Laptop Tablet	230° 220° 210° 190° 180° 180° 160° 160° 160° 160° 160° 160° 160° 140° 120° 120° 120° 120° 120° 120° 120° 12	17.94 17.91 17.98 17.98 17.91 17.96 17.91 17.96 17.83 17.95 17.83 17.95 17.85 17.86 18.00 17.84 17.86 17.86 17.86 17.83 17.89 17.99 17.99 17.95 17.93
	Tablet	230° 220° 210° 180° 180° 180° 180° 180° 190° 120° 120° 125° 125° 125° 125° 125° 125° 125° 125	17.80 17.82 17.82 17.80 18.00 17.96 17.95 17.91 17.95 17.94 17.94 17.94 17.94 17.92 17.87 17.84 17.95 17.84 17.95 17.95 17.95 17.95 17.91 17.81 17.95 17.93 17.83 17.83 17.89 17.88			Laptop Tablet	230° 220° 210° 180° 180° 180° 180° 180° 180° 120° 120° 120° 120° 120° 120° 120° 12	17.94 17.94 17.99 17.98 17.99 17.98 17.99
	Tablet	230° 220° 210° 190° 180° 180° 160° 160° 160° 120° 120° 120° 120° 120° 120° 120° 12	17.80 17.82 17.80 18.00 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.87 17.95 17.87 17.95 17.87 17.95 17.95 17.95 17.95 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91			Laptop Tablet	230' 220' 210' 190' 180' 180' 160' 160' 160' 140' 120' 125' 126' 125' 126' 126' 126' 126' 126' 126' 126' 126	17.94 17.94 17.98 17.98 17.98 17.98 17.98 17.95
	Tablet	230° 220° 210° 180° 180° 180° 180° 180° 190° 190° 125° 125° 125° 125° 125° 125° 125° 125	17.80 17.82 17.82 17.80 18.00 17.96 17.95 17.91 17.95 17.94 17.94 17.94 17.94 17.94 17.92 17.87 17.87 17.95 17.94 17.95 17.94 17.95 17.95 17.95 17.95 17.91 17.95			Laptop Tablet	230° 220° 210° 180° 180° 180° 180° 190° 120° 120° 120° 120° 120° 120° 120° 12	17.94 17.94 17.95 17.98 17.99 17.97
	Tablet	230° 220° 210° 190° 180° 180° 180° 180° 120° 120° 120° 120° 120° 120° 122° 122	17.80 17.82 17.80 18.00 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.87 17.95 17.87 17.95 17.87 17.95 17.95 17.95 17.95 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.80 17.80			Laptop Tablet	230' 220' 210' 190' 180' 180' 160' 160' 160' 140' 120' 125' 128' 128' 128' 128' 128' 128' 128' 128	17.94 17.94 17.98 17.88 17.98 17.98 17.95
	Tablet Laptop	230° 220° 210° 180° 180° 180° 180° 180° 190° 190° 125° 125° 125° 125° 125° 125° 125° 125	17.80 17.82 17.82 17.80 18.00 17.96 17.95 17.91 17.95 17.94 17.94 17.94 17.94 17.94 17.92 17.87 17.87 17.95 17.94 17.95 17.94 17.95 17.95 17.95 17.95 17.91 17.95			Laptop Tablet Laptop	230° 220° 210° 180° 180° 180° 180° 190° 120° 120° 120° 120° 120° 120° 120° 12	17.94 17.94 17.95 17.98 17.99 17.98 17.99
	Tablet Laptop Lid close	230° 220° 210° 190° 180° 180° 160° 160° 120° 120° 120° 120° 120° 120° 120° 12	17.80 17.82 17.80 18.00 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.87 17.95 17.87 17.95 17.87 17.95 17.95 17.95 17.95 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95			Laptop Tablet Laptop Lid close	230' 220' 210' 190' 180' 180' 160' 160' 160' 120' 120' 120' 120' 128' 128' 128' 128' 128' 128' 128' 128	17.241 17.291 17.281 17.282 17.283 17.283 17.265 17.285 17
	Tablet Laptop Lid close	230° 220° 210° 180° 180° 180° 180° 190° 190° 190° 125° 125° 125° 125° 125° 125° 125° 125	17.80 17.82 17.82 17.80 18.00 17.95 17.95 17.95 17.95 17.94 17.94 17.94 17.94 17.94 17.95 17.94 17.95 17.94 17.87 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.81 17.95 17.83 17.88 17.89 17.88 17.89 17.88 17.89 17.88 17.89 17.88 17.89 17.88 17.89 17.88 17.88 17.89 17.88 17.89 17.88 17.89 17.88 17.89 17.88			Laptop Tablet Laptop Lid close	230° 220° 210° 200° 180° 180° 180° 180° 180° 120° 120° 120° 120° 120° 120° 120° 12	17.54 17.54 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.98 17.99 17.98 17.98 17.99 17.98 17.98 17.99 17.98 17.98 17.99 17.98 17.99 17.98 17.98 17.98 17.98 17.98 17.99 17.98 17.98 17.98 17.98 17.98 17.99 17.98 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99
	Tablet Laptop	230° 220° 210° 180° 180° 180° 180° 190° 130° 120° 125° 125° 125° 125° 125° 125° 125° 125	17.80 17.82 17.82 17.80 18.00 17.95 17.95 17.95 17.91 17.91 17.94 17.94 17.94 17.92 17.82 17.82 17.84 17.95 17.84 17.95 17.94 17.95 17.94 17.95 17.94 17.95 17.94 17.95 17.95 17.95 17.93 17.98 17.98			Laptop Tablet Laptop	230° 220° 210° 200° 180° 160° 160° 160° 150° 120° 120° 125° 120° 125° 128° 128° 128° 128° 128° 128° 128° 128	17.241 17.291 17.281 17.282 17.283 17.283 17.265 17.285 17
	Tablet Laptop Lid close	230° 220° 210° 180° 180° 180° 180° 190° 130° 120° 125° 125° 125° 125° 125° 125° 125° 125	17.80 17.82 17.80 18.00 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.87 17.95 17.87 17.85 17.95 17.95 17.95 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.87 17.95 17.91 17.80 17.92 17.80 17.93 17.93 17.80 17.93 17.93 17.80 17.93 17.93 17.80 17.93 17.93 17.80 17.93 17.93 17.80 17.93 17.93 17.80 17.93 17.80 17.94 17.95 17.95 17.94 17.95 17.93 17.93 17.93 17.93 17.93 17.80 17.93 17.80 17.93 17.80 17.93 17.80 17.93 17.80 17.93 17.80 17.93 17.80 17.93 17.80 17.93 17.80 17.93 17.80 17.93 17.80 17.80 17.93 17.80 17.93 17.80 17.93 17.80			Laptop Tablet Laptop Lid close	230° 220° 210° 200° 180° 160° 160° 160° 150° 120° 120° 125° 120° 125° 128° 128° 128° 128° 128° 128° 128° 128	17.94 17.94 17.95 17.88 17.98 17.98 17.95
	Tablet Laptop Lid close	230° 220° 210° 180° 180° 180° 180° 180° 130° 130° 130° 130° 130° 130° 130° 13	17.80 17.82 17.82 17.80 18.00 17.95 17.95 17.95 17.91 17.91 17.94 17.94 17.94 17.92 17.82 17.82 17.84 17.95 17.84 17.95 17.94 17.95 17.94 17.95 17.94 17.95 17.94 17.95 17.95 17.95 17.93 17.98 17.98			Laptop Tablet Laptop Lid close	230° 220° 210° 190° 180° 180° 180° 180° 190° 120° 120° 120° 120° 125° 125° 125° 125° 125° 125° 125° 125	17.94 17.94 17.95 17.98 17.99 17.93 17.99 17.99 17.93
	Tablet Laptop Lid close Laptop	230° 220° 210° 180° 180° 180° 180° 180° 180° 180° 1	17.80 17.82 17.80 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.94 17.92 17.82 17.82 17.82 17.82 17.84 17.95 17.84 17.95 17.84 17.95 17.95 17.95 17.81 17.95 17.81 17.95 17.81 17.95 17.80 17.95 17.80 17.95 17.80 17.95 17.80 17.95 17.80 17.95 17.80 17.95 17.80 17.95 17.80 17.95 17.80 17.95 17.80 17.95 17.80 17.95			Laptop Tablet Laptop Lid close Laptop	230° 220° 210° 200° 180° 160° 160° 150° 150° 120° 120° 125° 120° 125° 128° 128° 128° 128° 128° 128° 128° 128	17.241 17.241 17.955 17.955 17
	Tablet Laptop Lid close	230° 220° 210° 160° 160° 160° 160° 150° 130° 120° 120° 125° 122° 122° 122° 122° 122° 122° 122	17.80 17.82 17.82 17.80 18.00 17.95 17.98			Laptop Tablet Laptop Lid close	230° 220° 210° 200° 180° 180° 180° 180° 180° 180° 180° 1	17.94 17.94 17.95 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99
	Tablet Laptop Lid close Laptop	230° 220° 210° 160° 160° 160° 160° 150° 150° 120° 120° 125° 125° 125° 125° 125° 125° 125° 125	17.80 17.82 17.82 17.80 17.95 17.95 17.95 17.95 17.95 17.95 17.95 17.94 17.92 17.87 17.92 17.87 17.87 17.87 17.85 17.84 17.85 17.95 17.84 17.95 17.81 17.81 17.81 17.85 17.83 17.85 17.83 17.85 17.91 17.85 17.85 17.85 17.93 17.85 17.93 17.85 17.93 17.85 17.93 17.85 17.93 17.85 17.93 17.85 17.93 17.85 17.94 17.95 17.95 17.94 17.95 17.95 17.94 17.95 17.95 17.94 17.95			Laptop Tablet Laptop Lid close Laptop	230° 220° 210° 200° 180° 180° 190° 190° 190° 190° 190° 190° 190° 19	17.241 17.241 17.91 17.98 17.785 17.95 17.
	Tablet Laptop Lid close Laptop	230° 220° 210° 180° 180° 180° 180° 180° 180° 180° 1	17.80 17.82 17.82 17.80 18.00 17.95 17.98			Laptop Tablet Laptop Lid close Laptop	230° 220° 210° 200° 180° 180° 180° 180° 180° 180° 180° 1	17.94 17.94 17.95 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99 17.98 17.99

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5.5 **Test limit**

§ 2.1093(d)(1)

Applications for equipment authorization of portable RF sources subject to routine environmental evaluation must contain a statement confirming compliance with the limits specified in § 1.1310 as part of their application. Technical information showing the basis for this statement must be submitted to the Commission upon request. The SAR limits specified in § 1.1310(a) through (c) of this chapter shall be used for evaluation of portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to § 1.1310(e)(1). A minimum separation distance applicable to the operating configurations and exposure conditions of the device shall be used for the evaluation. In general, maximum time-averaged power levels must be used for evaluation. All unlicensed personal communications service (PCS) devices and unlicensed NII devices shall be subject to the limits for general population/uncontrolled exposure.

Radiofrequency radiation exposure limits.

§ 1.1310(a)

Specific absorption rate (SAR) shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in § 1.1307(b) within the frequency range of 100 kHz to 6 GHz (inclusive).

§ 1.1310(b)

The SAR limits for occupational/controlled exposure are 0.4 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 8 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit for occupational/controlled exposure is 20 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 6 minutes to determine compliance with occupational/controlled SAR limits.

§ 1.1310(c)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatialaverage 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

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recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Section 17.4.5, copyright 1986 by NCRP, Bethesda, Maryland 20814. Limits for whole body SAR and peak spatial-average SAR are based on recommendations made in both of these documents. The MPE limits in Table 1 are based generally on criteria published by the NCRP in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3, copyright 1986 by NCRP, Bethesda, Maryland 20814. In the frequency range from 100 MHz to 1500 MHz, these MPE exposure limits for field strength and power density are also generally based on criteria recommended by the ANSI in <u>Section 4.1</u> 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 $\frac{\$ 1.1310(e)(1)}{\$}$.

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

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

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

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

6.1 **WLAN**

Tablet mode

Tx 1								
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)		
		1	2412		19.50	19.32		
	802.11b	6	2437	1Mbps	20.00	19.99		
		11	2462	1	19.50	19.46		
		1	2412		18.00	17.83		
	802.11g	6	2437	6Mbps	20.00	19.76		
		11	2462		18.00	17.74		
	802.11n20-HT0	1	2412	MCS0	17.50	17.27		
		6	2437		19.50	19.24		
		11	2462		13.50	13.34		
	802.11ac20-VHT0	1	2412		17.50	17.37		
		6	2437	MCS0	19.50	19.34		
2.45GHz		11	2462		13.50	13.27		
2.450112		1	2412	MCS0	17.50	17.28		
	802.11ax20-HE0	6	2437		19.50	19.30		
		11	2462		13.50	13.31		
		3	2422	ļ	15.50	15.32		
	802.11n40-HT0	6	2437	MCS0	16.00	15.77		
		9	2452		15.00	14.75		
		3	2422		15.50	15.29		
	802.11ac40-VHT0	6	2437	MCS0	16.00	15.75		
		9	2452		15.00	14.78		
		3	2422	1	15.50	15.32		
	802.11ax40-HE0	6	2437	MCS0	16.00	15.85		
		9	2452		15.00	14.79		

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Tx 1							
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	
		36	5180		14.50	14.39	
	902 112	40	5200	GMbbb	14.50	14.22	
	802.11a	44	5220	6Mbps	14.50	14.25	
		48	5240	1	14.50	14.38	
		36	5180		14.50	14.32	
	902 11p20 UT0	40	5200	MCSO	14.50	14.18	
	802.11n20-HT0	44	5220	MCS0	14.50	14.21	
		48	5240		14.50	14.30	
	802.11ac20-VHT0	36	5180	MCS0	14.50	14.23	
		40	5200		14.50	14.25	
		44	5220		14.50	14.33	
		48	5240		14.50	14.30	
5.15-5.25 GHz		36	5180	MCS0	14.50	14.16	
5.15-5.25 GHZ	802.11ax20-HE0	40	5200		14.50	14.15	
	002.11ax20-HEU	44	5220		14.50	14.19	
		48	5240		14.50	14.26	
	802.11n40-HT0	38	5190	MCS0	15.00	14.78	
	802.111140-H10	46	5230	IVIC50	15.00	14.98	
	802.11ac40-VHT0	38	5190	MCS0	15.00	14.74	
	002.118040-0010	46	5230	IVIC30	15.00	14.96	
	802.11ax40-HE0	38	5190	MCS0	15.00	14.78	
	002.118X40-TEU	46	5230	IVICSU	15.00	14.84	
	802.11ac80-VHT0	42	5210	MCS0	13.00	12.86	
	802.11ax80-HE0	42	5210	MCS0	13.00	12.73	
	802.11ac160-VHT0	50	5250	MCS0	13.00	12.69	
	802.11ax160-HE0	50	5250	MCS0	13.00	12.77	

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Tx 1								
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)		
		52	5260		16.00	15.91		
	902 112	56	5280	GMbbb	18.00	17.98		
	802.11a	60	5300	6Mbps	18.00	17.86		
		64	5320		16.00	15.74		
		52	5260		16.00	15.87		
	802.11n20-HT0	56	5280	MCS0	17.50	17.37		
		60	5300	WC30	17.50	17.33		
		64	5320		16.00	15.89		
	802.11ac20-VHT0	52	5260	MCS0	16.00	15.74		
		56	5280		17.50	17.29		
		60	5300		17.50	17.33		
5.25-5.35 GHz		64	5320		16.00	15.75		
5.25-5.55 GHZ		52	5260		16.00	15.91		
	802.11ax20-HE0	56	5280	MCS0	17.50	17.20		
	002.11ax20-11L0	60	5300	10000	17.50	17.38		
		64	5320		16.00	15.81		
	802.11n40-HT0	54	5270	MCS0	17.00	16.78		
	002.11140-1110	62	5310	10000	15.50	15.34		
	802.11ac40-VHT0	54	5270	MCS0	17.00	16.78		
	002.110040-01110	62	5310	10000	15.50	15.37		
	802.11ax40-HE0	54	5270	MCS0	17.00	16.71		
		62	5310	10000	15.50	15.41		
	802.11ac80-VHT0	58	5290	MCS0	14.00	13.90		
	802.11ax80-HE0	58	5290	MCS0	14.00	13.85		

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		-	Tx 1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
	802.11a	100 120 140 144	5500 5600 5700 5720	6Mbps	16.00 18.00 16.00 18.00	15.94 17.92 15.86 17.96
	802.11n20-HT0	100 120 140 144	5500 5600 5700 5720	MCS0	16.00 16.00 17.50 16.00 17.50	17.30 15.80 17.22 15.76 17.17
	802.11ac20-VHT0	100 120 140 144	5500 5600 5700 5720	MCS0	16.00 17.50 16.00 17.50	15.74 17.21 15.87 17.30
	802.11ax20-HE0	100 120 140 144	5500 5600 5700 5720	MCS0	16.00 17.50 16.00 17.50	15.90 17.28 15.77 17.39
5.6GHz	802.11n40-HT0	102 118 134 142	5510 5590 5670 5710	MCS0	15.50 17.00 15.50 17.00	15.34 16.73 15.23 16.69
	802.11ac40-VHT0	102 118 134 142	5510 5590 5670 5710	MCS0	15.50 17.00 15.50 17.00	15.30 16.77 15.35 16.77
	802.11ax40-HE0	102 118 134 142	5510 5590 5670 5710	MCS0	15.50 17.00 15.50 17.00	15.34 16.78 15.26 16.76
	802.11ac80-VHT0	106 122 138	5530 5610 5690	MCS0	15.00 15.00 16.50	14.73 14.79 16.28
	802.11ax80-HE0	106 122 138	5530 5610 5690	MCS0	15.00 15.00 16.50	14.85 14.89 16.28
	802.11ac160-VHT0 802.11ax160-HE0	114 114	5570 5570	MCS0 MCS0	14.00 14.00	13.71 13.92

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Tx 1							
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	
		149	5745		18.00	17.96	
	802.11a	157	5785	6Mbps	18.00	17.72	
		165	5825		18.00	17.92	
		149	5745		17.50	17.37	
	802.11n20-HT0	157	5785	MCS0	17.50	17.17	
		165	5825		17.50	17.35	
	802.11ac20-VHT0	149	5745	MCS0	17.50	17.28	
		157	5785		17.50	17.37	
		165	5825		17.50	17.31	
5.8GHz	802.11ax20-HE0	149	5745	MCS0	17.50	17.24	
5.0GHZ		157	5785		17.50	17.34	
		165	5825		17.50	17.34	
	802.11n40-HT0	151	5755	MCS0	17.00	16.89	
	002.11140-010	159	5795	IVIC30	17.00	16.86	
	802.11ac40-VHT0	151	5755	MOCO	17.00	16.79	
	002.114040-0110	159	5795	MCS0	17.00	16.76	
	802.11ax40-HE0	151	5755	MCS0	17.00	16.81	
		159	5795	IVICSU	17.00	16.72	
	802.11ac80-VHT0	155	5775	MCS0	16.50	16.27	
	802.11ax80-HE0	155	5775	MCS0	16.50	16.38	

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Tx 1							
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	
		169	5845		18.00	17.51	
	802.11a	173	5865	6Mbps	18.00	17.46	
		177	5885		18.00	17.47	
		169	5845		18.00	17.45	
	802.11n20-HT0	173	5865	MCS0	18.00	17.38	
		177	5885		18.00	17.25	
	802.11ac20-VHT0	169	5845	MCS0	18.00	17.44	
		173	5865		18.00	17.39	
		177	5885		18.00	17.42	
	802.11ax20-HE0	169	5845	MCS0	18.00	17.41	
5.9GHz		173	5865		18.00	17.53	
0.00112		177	5885		18.00	17.44	
	802.11n40-HT0	167	5835	MCS0	18.00	17.40	
		175	5875	MCCO	18.00	17.42	
	802.11ac40-VHT0	167	5835	MCS0	18.00	17.41	
	002.1180-0-01110	175	5875	MCCO	18.00	17.45	
	802.11ax40-HE0	167	5835	MCS0	18.00	17.50	
	002.110,40-1120	175	5875		18.00	17.45	
	802.11ac80-VHT0	171	5855	MCS0	18.00	17.47	
	802.11ax80-HE0	171	5855	MCS0	18.00	17.45	
	802.11ac160-VHT0	163	5815	MCS0	18.00	17.55	
	802.11ax160-HE0	163	5815	MCS0	18.00	17.48	

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Tx2									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		1	2412		19.50	19.36			
	802.11b	6	2437	1Mbps	20.00	19.98			
		11	2462		19.50	19.48			
		1	2412		18.00	17.69			
	802.11g	6	2437	6Mbps	20.00	19.75			
		11	2462		18.00	17.89			
	802.11n20-HT0	1	2412		17.50	17.18			
		6	2437	MCS0	19.50	19.32			
		11	2462		13.50	13.18			
		1	2412	MCS0	17.50	17.34			
	802.11ac20-VHT0	6	2437		19.50	19.29			
2.45GHz		11	2462		13.50	13.31			
2.450HZ		1	2412		17.50	17.31			
	802.11ax20-HE0	6	2437	MCS0	19.50	19.24			
		11	2462		13.50	13.38			
		3	2422		15.50	15.21			
	802.11n40-HT0	6	2437	MCS0	16.00	15.76			
		9	2452		15.00	14.81			
		3	2422		15.50	15.22			
	802.11ac40-VHT0	6	2437	MCS0	16.00	15.90			
		9	2452	<u> </u>	15.00	14.79			
		3	2422		15.50	15.25			
	802.11ax40-HE0	6	2437	MCS0	16.00	15.87			
		9	2452		15.00	14.74			

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		-	Tx 2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		14.50	14.28
	000.44-	40	5200	Chabas	14.50	14.29
	802.11a	44	5220	6Mbps	14.50	14.26
		48	5240	1	14.50	14.35
		36	5180		14.50	14.30
	000 44=00 UT0	40	5200	MOGO	14.50	14.24
	802.11n20-HT0	44	5220	MCS0	14.50	14.24
		48	5240		14.50	14.37
		36	5180		14.50	14.19
	802.11ac20-VHT0	40	5200	MOGO	14.50	14.33
	002.11ac20-VH10	44	5220	MCS0	14.50	14.33
		48	5240	1	14.50	14.33
5.15-5.25 GHz		36	5180		14.50	14.21
5.15-5.25 GHZ	900 11 ov 20 LIE0	40	5200	MCS0	14.50	14.25
	802.11ax20-HE0	44	5220	INICSU	14.50	14.29
		48	5240	1	14.50	14.23
	802.11n40-HT0	38	5190	MCS0	15.00	14.96
	802.111140-H10	46	5230	IVIC50	15.00	14.98
	802.11ac40-VHT0	38	5190	MCS0	15.00	14.71
	002.11a040-VH10	46	5230	IVIC30	15.00	14.76
		38	5190	MCS0	15.00	14.77
	802.11ax40-HE0	46	5230	IVICSU	15.00	14.85
	802.11ac80-VHT0	42	5210	MCS0	13.00	12.70
-	802.11ax80-HE0	42	5210	MCS0	13.00	12.81
	802.11ac160-VHT0	50	5250	MCS0	13.00	12.71
	802.11ax160-HE0	50	5250	MCS0	13.00	12.80

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Tx 2									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		52	5260		16.00	15.78			
	802.11a	56	5280	6Mbps	18.00	17.94			
	002.11a	60	5300	olvinha	18.00	17.99			
		64	5320		16.00	15.85			
		52	5260		16.00	15.90			
	802.11n20-HT0	56	5280	MCS0	17.50	17.30			
	002.11120-1110	60	5300		17.50	17.29			
		64	5320		16.00	15.82			
		52	5260	MCS0	16.00	15.80			
	802.11ac20-VHT0	56	5280		17.50	17.33			
	002.118020-01110	60	5300		17.50	17.30			
5.25-5.35 GHz		64	5320		16.00	15.77			
0.20-0.00 0112		52	5260		16.00	15.84			
	802.11ax20-HE0	56	5280	MCS0	17.50	17.20			
	002.118,20-1120	60	5300	101000	17.50	17.30			
		64	5320		16.00	15.81			
	802.11n40-HT0	54	5270	MCS0	17.00	16.79			
	002.11140-1110	62	5310	10000	15.50	15.40			
	802.11ac40-VHT0	54	5270	MCS0	17.00	16.86			
	002.1100-0-01110	62	5310	10000	15.50	15.36			
	802.11ax40-HE0	54	5270	MCS0	17.00	16.80			
	002.11aA+0-11L0	62	5310	10000	15.50	15.27			
	802.11ac80-VHT0	58	5290	MCS0	14.00	13.76			
	802.11ax80-HE0	58	5290	MCS0	14.00	13.78			

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		-	Tx 2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
	000.44	100 120	5500 5600	Ch thurs	16.00 18.00	15.97 17.88
	802.11a	140 144	5700 5720	6Mbps	16.00 18.00	15.95 17.98
	802.11n20-HT0	100 120	5500 5600	MCS0	16.00 17.50	15.82 17.26
	002.11120-1110	140 144	5700 5720	MCOU	16.00 17.50	15.72 17.19
	802.11ac20-VHT0	100 120 140	5500 5600 5700	MCS0	16.00 17.50 16.00	15.79 17.35 15.82
		144 100	5720 5500	MCS0	17.50 16.00	17.33 15.89
	802.11ax20-HE0	120 140 144	5600 5700 5720		17.50 16.00 17.50	17.26 15.80 17.25
5.6GHz	802.11n40-HT0	102 118	5510 5590	MCS0	15.50 17.00	15.23 16.77
0.00112		134 142	5670 5710		15.50 17.00	15.21 16.73
	802.11ac40-VHT0	102 118 134	5510 5590 5670	MCS0	15.50 17.00 15.50	15.24 16.72 15.18
		142 102 118	5710 5510 5590		17.00 15.50 17.00	16.77 15.31 16.77
	802.11ax40-HE0	134 142	5670 5710	MCS0	15.50 17.00	15.30 16.76
	802.11ac80-VHT0	106 122 138	5530 5610 5690	MCS0	15.00 15.00 16.50	14.77 14.90 16.32
-	802.11ax80-HE0	106 122	5530 5610	MCS0	15.00 15.00	14.78 14.77
	802.11ac160-VHT0	138 114	5690 5570	MCS0	16.50 14.00	16.29 13.81
	802.11ax160-HE0	114	5570	MCS0	14.00	13.72

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	Tx 2									
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)				
		149	5745		18.00	17.82				
	802.11a	157	5785	6Mbps	18.00	17.96				
		165	5825	1	18.00	17.99				
		149	5745		17.50	17.42				
	802.11n20-HT0	157	5785	MCS0	17.50	17.33				
		165	5825		17.50	17.34				
	802.11ac20-VHT0	149	5745	MCS0	17.50	17.38				
		157	5785		17.50	17.34				
		165	5825		17.50	17.39				
5.8GHz		149	5745		17.50	17.17				
5.0GHZ	802.11ax20-HE0	157	5785	MCS0	17.50	17.33				
		165	5825		17.50	17.30				
	802.11n40-HT0	151	5755	MCS0	17.00	16.66				
	002.11140-1110	159	5795	10030	17.00	16.76				
	802.11ac40-VHT0	151	5755	MCS0	17.00	16.78				
	002.118040-0110	159	5795	10030	17.00	16.73				
	802.11ax40-HE0	151	5755	MCS0	17.00	16.79				
		159	5795	IVICSU	17.00	16.69				
	802.11ac80-VHT0	155	5775	MCS0	16.50	16.38				
	802.11ax80-HE0	155	5775	MCS0	16.50	16.36				

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	Tx 2									
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)				
		169	5845		18.00	17.85				
	802.11a	173	5865	6Mbps	18.00	17.80				
		177	5885		18.00	17.85				
		169	5845		18.00	17.88				
	802.11n20-HT0	173	5865	MCS0	18.00	17.87				
		177	5885		18.00	17.81				
	802.11ac20-VHT0	169	5845		18.00	17.93				
		173	5865	MCS0	18.00	17.87				
		177	5885		18.00	17.88				
		169	5845		18.00	17.85				
5.9GHz	802.11ax20-HE0	173	5865	MCS0	18.00	17.91				
0.00112		177	5885		18.00	17.83				
	802.11n40-HT0	167	5835	MCS0	18.00	17.84				
	002.111101110	175	5875	mooo	18.00	17.96				
	802.11ac40-VHT0	167	5835	MCS0	18.00	17.94				
	002.110040-01110	175	5875	MOOD	18.00	17.89				
	802.11ax40-HE0	167	5835	MCS0	18.00	17.90				
		175	5875		18.00	17.88				
	802.11ac80-VHT0	171	5855	MCS0	18.00	17.91				
	802.11ax80-HE0	171	5855	MCS0	18.00	17.89				
	802.11ac160-VHT0	163	5815	MCS0	18.00	17.98				
	802.11ax160-HE0	163	5815	MCS0	18.00	17.93				

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Notebook mode

Tx 1									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		1	2412		19.50	19.42			
	802.11b	6	2437	1Mbps	20.50	20.45			
		11	2462		19.50	19.46			
		1	2412		18.00	17.95			
	802.11g	6	2437	6Mbps	20.50	20.38			
		11	2462		18.00	17.96			
		1	2412		17.50	17.37			
	802.11n20-HT0	6	2437	MCS0	19.50	19.45			
		11	2462		13.50	13.44			
		1	2412	MCS0	17.50	17.45			
	802.11ac20-VHT0	6	2437		19.50	19.46			
2.45GHz		11	2462		13.50	13.33			
2.450112		1	2412		17.50	17.33			
	802.11ax20-HE0	6	2437	MCS0	19.50	19.43			
		11	2462		13.50	13.41			
		3	2422		15.50	15.42			
	802.11n40-HT0	6	2437	MCS0	16.00	15.85			
		9	2452		15.00	14.89			
		3	2422		15.50	15.39			
	802.11ac40-VHT0	6	2437	MCS0	16.00	15.89			
		9	2452	1	15.00	14.83			
		3	2422		15.50	15.34			
	802.11ax40-HE0	6	2437	MCS0	16.00	15.93			
		9	2452		15.00	14.86			

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Tx 1									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		36	5180		14.50	14.44			
	802.11a	40	5200	GMbbb	14.50	14.32			
	602.11a	44	5220	6Mbps	14.50	14.42			
		48	5240		14.50	14.48			
		36	5180		14.50	14.34			
	000 44=00 UT0	40	5200	MOGO	14.50	14.43			
	802.11n20-HT0	44	5220	MCS0	14.50	14.42			
		48	5240	1	14.50	14.32			
		36	5180		14.50	14.47			
	802.11ac20-VHT0	40	5200	MCS0	14.50	14.45			
	802.11ac20-VH10	44	5220	INICSU	14.50	14.35			
		48	5240	1	14.50	14.42			
5.15-5.25 GHz		36	5180		14.50	14.43			
5.15-5.25 GHZ	902 11av20 HE0	40	5200	MCS0	14.50	14.38			
	802.11ax20-HE0	44	5220	INICSU	14.50	14.39			
		48	5240	1	14.50	14.45			
	802.11n40-HT0	38	5190	MCS0	15.00	14.96			
	802.111140-H10	46	5230	IVIC50	15.00	14.92			
		38	5190	MCS0	15.00	14.87			
	802.11ac40-VHT0	46	5230	IVIC50	15.00	14.94			
	802.11ax40-HE0	38	5190	MCS0	15.00	14.92			
		46	5230	IVICSU	15.00	14.93			
	802.11ac80-VHT0	42	5210	MCS0	13.00	12.89			
	802.11ax80-HE0	42	5210	MCS0	13.00	12.95			
	802.11ac160-VHT0	50	5250	MCS0	13.00	12.88			
	802.11ax160-HE0	50	5250	MCS0	13.00	12.84			

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Tx 1									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		52	5260		16.00	15.92			
	802.11a	56	5280	GMbbb	19.00	18.96			
	002.118	60	5300	6Mbps	19.00	18.92			
		64	5320		16.00	15.86			
		52	5260		16.00	15.82			
	802.11n20-HT0	56	5280	MCS0	17.50	17.38			
	002.11120-1110	60	5300	MCSO	17.50	17.44			
		64	5320		16.00	15.82			
		52	5260	MCS0	16.00	15.95			
	802.11ac20-VHT0	56	5280		17.50	17.37			
	002.118020-01110	60	5300		17.50	17.35			
5.25-5.35 GHz		64	5320		16.00	15.94			
0.20-0.00 0112		52	5260		16.00	15.83			
	802.11ax20-HE0	56	5280	MCS0	17.50	17.38			
	002.118,20-1120	60	5300	101000	17.50	17.37			
		64	5320		16.00	15.86			
	802.11n40-HT0	54	5270	MCS0	17.00	16.93			
	002.11140-1110	62	5310	10000	15.50	15.38			
	802.11ac40-VHT0	54	5270	MCS0	17.00	16.84			
	002.110040-01110	62	5310	10000	15.50	15.33			
	802.11ax40-HE0	54	5270	MCS0	17.00	16.83			
		62	5310		15.50	15.37			
	802.11ac80-VHT0	58	5290	MCS0	14.00	13.87			
	802.11ax80-HE0	58	5290	MCS0	14.00	13.95			

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	Tx 1									
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)				
	802.11a	100 120 140 144	5500 5600 5700 5720	6Mbps	16.00 18.50 16.00 19.00	15.89 18.38 15.92 18.98				
	802.11n20-HT0	144 100 120 140 144	5500 5600 5700 5720	MCS0	16.00 17.50 16.00 17.50	15.91 17.42 15.82 17.42				
	802.11ac20-VHT0	100 120 140 144	5500 5600 5700 5720	MCS0	16.00 17.50 16.00 17.50	15.84 17.42 15.86 17.34				
	802.11ax20-HE0	100 120 140 144	5500 5600 5700 5720	MCS0	16.00 17.50 16.00 17.50	15.94 17.39 15.93 17.39				
5.6GHz	802.11n40-HT0	102 118 134 142	5510 5590 5670 5710	MCS0	15.50 17.00 15.50 17.00	15.39 16.87 15.36 16.83				
	802.11ac40-VHT0	102 118 134 142	5510 5590 5670 5710	MCS0	15.50 17.00 15.50 17.00	15.41 16.89 15.46 16.91				
	802.11ax40-HE0	102 118 134 142	5510 5590 5670 5710	MCS0	15.50 17.00 15.50 17.00	15.34 16.88 15.44 16.86				
	802.11ac80-VHT0	106 122 138	5530 5610 5690	MCS0	15.00 15.00 16.50	14.87 14.86 16.34				
	802.11ax80-HE0	106 122 138	5530 5610 5690	MCS0	15.00 15.00 16.50	14.86 14.92 16.38				
	802.11ac160-VHT0 802.11ax160-HE0	<u>114</u> 114	5570 5570	MCS0 MCS0	14.00 14.00	13.86 13.91				
	502.11ax100-11L0	114	5570	10000	17.00	10.01				

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Tx 1									
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		149	5745		19.00	18.93			
	802.11a	157	5785	6Mbps	19.00	18.84			
		165	5825	1 .	19.00	18.98			
		149	5745		17.50	17.44			
	802.11n20-HT0	157	5785	MCS0	17.50	17.38			
		165	5825		17.50	17.46			
	802.11ac20-VHT0	149	5745	MCS0	17.50	17.44			
		157	5785		17.50	17.45			
		165	5825		17.50	17.43			
		149	5745		17.50	17.35			
5.8GHz	802.11ax20-HE0	157	5785	MCS0	17.50	17.33			
		165	5825		17.50	17.40			
	802.11n40-HT0	151	5755	MCS0	17.00	16.87			
	802.11N40-H10	159	5795	IVIC50	17.00	16.85			
	802.11ac40-VHT0	151	5755	MCS0	17.00	16.88			
	002.118040-0110	159	5795	IVICSU	17.00	16.86			
	802.11ax40-HE0	151	5755	MCSO	17.00	16.91			
	002.11ax40-nE0	159	5795	MCS0	17.00	16.86			
	802.11ac80-VHT0	155	5775	MCS0	16.50	16.37			
	802.11ax80-HE0	155	5775	MCS0	16.50	16.42			

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	Tx 1									
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)				
		169	5845		18.00	17.51				
	802.11a	173	5865	6Mbps	18.00	17.46				
		177	5885		18.00	17.47				
		169	5845		18.00	17.45				
	802.11n20-HT0	173	5865	MCS0	18.00	17.38				
		177	5885		18.00	17.25				
	802.11ac20-VHT0	169	5845		18.00	17.44				
		173	5865	MCS0	18.00	17.39				
		177	5885		18.00	17.42				
		169	5845		18.00	17.41				
5.9GHz	802.11ax20-HE0	173	5865	MCS0	18.00	17.53				
0.00112		177	5885		18.00	17.44				
	802.11n40-HT0	167	5835	MCS0	18.00	17.40				
	002.11140-1110	175	5875	Nieco	18.00	17.42				
	802.11ac40-VHT0	167	5835	MCS0	18.00	17.41				
		175	5875	Mooo	18.00	17.45				
	802.11ax40-HE0	167	5835	MCS0	18.00	17.50				
		175	5875		18.00	17.45				
	802.11ac80-VHT0	171	5855	MCS0	18.00	17.47				
	802.11ax80-HE0	171	5855	MCS0	18.00	17.45				
	802.11ac160-VHT0	163	5815	MCS0	18.00	17.55				
	802.11ax160-HE0	163	5815	MCS0	18.00	17.48				

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		-	Гх2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		19.50	19.45
	802.11b	6	2437	1Mbps	20.50	20.48
		11	2462		19.50	19.42
		1	2412	6Mbps	18.00	17.86
	802.11g	6	2437		20.50	20.32
		11	2462		18.00	17.89
	802.11n20-HT0	1	2412		17.50	17.32
		6	2437	MCS0	19.50	19.35
		11	2462		13.50	13.33
		1	2412	MCS0	17.50	17.43
	802.11ac20-VHT0	6	2437		19.50	19.44
2.45GHz		11	2462		13.50	13.43
2.4300		1	2412		17.50	17.39
	802.11ax20-HE0	6	2437	MCS0	19.50	19.34
		11	2462		13.50	13.43
		3	2422		15.50	15.36
	802.11n40-HT0	6	2437	MCS0	16.00	15.94
		9	2452		15.00	14.90
		3	2422		15.50	15.32
	802.11ac40-VHT0	6	2437	MCS0	16.00	15.96
		9	2452]	15.00	14.87
		3	2422		15.50	15.32
	802.11ax40-HE0	6	2437	MCS0	16.00	15.91
		9	2452]	15.00	14.91

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		-	Tx 2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		14.50	14.45
	000.44-	40	5200	Chabas	14.50	14.39
	802.11a	44	5220	6Mbps	14.50	14.45
		48	5240	1	14.50	14.46
		36	5180		14.50	14.37
		40	5200	MOOO	14.50	14.38
	802.11n20-HT0	44	5220	MCS0	14.50	14.32
		48	5240		14.50	14.36
		36	5180		14.50	14.40
		40	5200	MOOO	14.50	14.45
	802.11ac20-VHT0	44	5220	MCS0	14.50	14.45
		48	5240	1	14.50	14.44
		36	5180		14.50	14.35
5.15-5.25 GHz		40	5200	MOGO	14.50	14.38
	802.11ax20-HE0	44	5220	MCS0	14.50	14.34
		48	5240	1	14.50	14.39
	000 44=40 UT0	38	5190	MOCO	15.00	14.96
	802.11n40-HT0	46	5230	MCS0	15.00	14.92
		38	5190	14000	15.00	14.88
	802.11ac40-VHT0	46	5230	MCS0	15.00	14.94
	000 44 - 40 1150	38	5190	MCCO	15.00	14.87
	802.11ax40-HE0	46	5230	MCS0	15.00	14.85
	802.11ac80-VHT0	42	5210	MCS0	13.00	12.94
	802.11ax80-HE0	42	5210	MCS0	13.00	12.92
	802.11ac160-VHT0	50	5250	MCS0	13.00	12.91
	802.11ax160-HE0	50	5250	MCS0	13.00	12.85

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		-	Tx 2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		16.00	15.90
	802.11a	56	5280	6Mbps	19.00	18.93
	002.11a	60	5300	olvinhe	19.00	18.99
		64	5320		16.00	15.89
		52	5260		16.00	15.84
	802.11n20-HT0	56	5280	MCS0	17.50	17.33
	002.11120-1110	60	5300	10000	17.50	17.46
		64	5320		16.00	15.87
		52	5260	MCS0	16.00	15.82
	802.11ac20-VHT0	56	5280		17.50	17.34
	002.118020-01110	60	5300		17.50	17.36
5.25-5.35 GHz		64	5320		16.00	15.83
0.20-0.00 0112		52	5260		16.00	15.86
	802.11ax20-HE0	56	5280	MCS0	17.50	17.40
	002.110,20-1120	60	5300	10000	17.50	17.45
		64	5320		16.00	15.91
	802.11n40-HT0	54	5270	MCS0	17.00	16.86
	002.11140-1110	62	5310	10000	15.50	15.45
	802.11ac40-VHT0	54	5270	MCS0	17.00	16.93
		62	5310	10000	15.50	15.42
	802.11ax40-HE0	54	5270	MCS0	17.00	16.91
		62	5310		15.50	15.41
	802.11ac80-VHT0	58	5290	MCS0	14.00	13.90
	802.11ax80-HE0	58	5290	MCS0	14.00	13.88

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		-	Tx 2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
	802.11a	100 120 140 144	5500 5600 5700 5720	6Mbps	16.00 18.50 16.00 19.00	15.98 18.43 15.93 18.96
	802.11n20-HT0	100 120 140 144	5500 5600 5700 5720	MCS0	16.00 17.50 16.00 17.50	15.84 17.44 15.93 17.32
	802.11ac20-VHT0 802.11ax20-HE0	100 120 140 144	5500 5600 5700 5720	MCS0	16.00 17.50 16.00 17.50	15.86 17.40 15.92 17.36
		100 120 140 144	5500 5600 5700 5720	MCS0	16.00 17.50 16.00 17.50	15.92 17.43 15.83 17.34
5.6GHz	802.11n40-HT0	102 118 134 142	5510 5590 5670 5710	MCS0	15.50 17.00 15.50 17.00	15.46 16.90 15.46 16.86
	802.11ac40-VHT0	102 118 134 142	5510 5590 5670 5710	MCS0	15.50 17.00 15.50 17.00	15.45 16.84 15.34 16.95
	802.11ax40-HE0	102 118 134 142	5510 5590 5670 5710	MCS0	15.50 17.00 15.50 17.00	15.38 16.86 15.37 16.86
	802.11ac80-VHT0	106 122 138	5530 5610 5690	MCS0	15.00 15.00 16.50	14.91 14.84 16.32
-	802.11ax80-HE0	106 122 138	5530 5610 5690	MCS0	15.00 15.00 16.50	14.96 14.85 16.33
	802.11ac160-VHT0 802.11ax160-HE0	114 114	5570 5570	MCS0 MCS0	14.00 14.00	13.87 13.93

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		-	Tx 2			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		19.00	18.92
	802.11a	157	5785	6Mbps	19.00	18.97
		165	5825		19.00	18.94
		149	5745		17.50	17.44
	802.11n20-HT0	157	5785	MCS0	17.50	17.36
		165	5825	1	17.50	17.33
		149	5745	MCS0	17.50	17.41
	802.11ac20-VHT0	157	5785		17.50	17.41
		165	5825		17.50	17.32
5.8GHz		149	5745		17.50	17.33
5.6GHZ	802.11ax20-HE0	157	5785	MCS0	17.50	17.33
		165	5825		17.50	17.37
	802.11n40-HT0	151	5755	MCS0	17.00	16.88
	002.11140-1110	159	5795	10030	17.00	16.95
	802.11ac40-VHT0	151	5755	MCS0	17.00	16.85
	002.118040-0110	159	5795	10030	17.00	16.85
	802.11ax40-HE0	151	5755	MCS0	17.00	16.84
	002.11ax40-nE0	159	5795	IVIC30	17.00	16.93
	802.11ac80-VHT0	155	5775	MCS0	16.50	16.38
	802.11ax80-HE0	155	5775	MCS0	16.50	16.44

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			Tx 2			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		18.00	17.85
	802.11a	173	5865	6Mbps	18.00	17.80
		177	5885		18.00	17.85
		169	5845		18.00	17.88
	802.11n20-HT0	173	5865	MCS0	18.00	17.87
		177	5885		18.00	17.81
		169	5845	MCS0	18.00	17.93
	802.11ac20-VHT0	173	5865		18.00	17.87
		177	5885		18.00	17.88
		169	5845	MCS0	18.00	17.85
5.9GHz	802.11ax20-HE0	173	5865		18.00	17.91
0.00112		177	5885		18.00	17.83
	802.11n40-HT0	167	5835	MCS0	18.00	17.84
	002.111101110	175	5875	mooo	18.00	17.96
	802.11ac40-VHT0	167	5835	MCS0	18.00	17.94
	002.110040-01110	175	5875	MOOD	18.00	17.89
	802.11ax40-HE0	167	5835	MCS0	18.00	17.90
		175	5875		18.00	17.88
	802.11ac80-VHT0	171	5855	MCS0	18.00	17.91
	802.11ax80-HE0	171	5855	MCS0	18.00	17.89
	802.11ac160-VHT0	163	5815	MCS0	18.00	17.98
	802.11ax160-HE0	163	5815	MCS0	18.00	17.93

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Tablet mode

Tablet			Tx 1			
Band	Mode	Channel	Channel Frequency (MHz) Data		Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		1.50	1.25
	802.11a	45	6175	6Mbps	1.50	1.34
		93	6415		1.50	1.45
		1	5955	-	2.50	2.38
	802.11ax20-HE0	45	6175	MCS0	2.50	2.35
		93	6415		2.50	2.23
U-NII-5		3	5985		5.50	5.31
6.2GHz	802.11ax40-HE0	43	6165	MCS0	5.50	5.31
0.20112		91	6405		5.50	5.30
		7	5985		8.50	8.28
	802.11ax80-HE0	39	6145	MCS0	8.50	8.31
		87	6385		8.50	8.33
		15	6025		9.00	8.80
	802.11ax160-HE0	47	6185	MCS0	9.00	8.72
		79	6345		9.00	8.75
		97	6435		1.50	1.30
	802.11a	105	6475	6Mbps	1.50	1.24
		113	6515		1.50	1.30
U-NII-6 6.5GHz 802.11ax20-HE0 802.11ax40-HE0		97	6435		2.50	2.25
	105	6475	MCS0	2.50	2.31	
		113	6515		2.50	2.33
	902 11ov40 HE0	99	6445	MCS0	5.50	5.25
	002.11ax40-HE0	107	6485	MCSU	5.50	5.33
	900 11 ov 90 LIE0	103	6465	MCCO	8.50	8.37
	802.11ax80-HE0	119	6545	MCS0	8.50	8.32
	802.11ax160-HE0	111	6505	MCS0	9.00	8.94
		117	6535		1.50	1.31
	802.11a	149	6695	6Mbps	1.50	1.36
		181	6855		1.50	1.38
		117	6535		2.50	2.39
	802.11ax20-HE0	149	6695	MCS0	2.50	2.33
		181	6855		2.50	2.35
U-NII-7		115	6525		5.50	5.32
6.7GHz	802.11ax40-HE0	147	6685	MCS0	5.50	5.39
		179	6845		5.50	5.22
		135	6625		8.50	8.36
	802.11ax80-HE0	151	6705	MCS0	8.50	8.38
		167	6785		8.50	8.31
	902 11ov160 HE0	143	6665	MCSO	9.00	8.86
	802.11ax160-HE0	175	6825	MCS0	9.00	8.90
		185	6875		1.50	1.36
	802.11a	209	6995	6Mbps	1.50	1.31
		233	7115		1.50	1.39
		185	6875		2.50	2.34
	802.11ax20-HE0	209	6995	MCS0	2.50	2.36
U-NII-8		233	7115		2.50	2.30
7.0GHz	000 11	187	6885	MOOO	5.50	5.26
	802.11ax40-HE0	227	7085	MCS0	5.50	5.42
		183	6865		8.50	8.33
	802.11ax80-HE0	199	6945	MCS0	8.50	8.32
		215	7025	1	8.50	8.21
	802.11ax160-HE0	207	6985	MCS0	9.00	8.84

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Tx2									
Band	Mode	(MHZ)		Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)				
		1	5955		1.50	1.34			
	802.11a	45	6175	6Mbps	1.50	1.36			
		93	6415		1.50	1.39			
		1	5955		2.50	2.35			
	802.11ax20-HE0	45	6175	MCS0	2.50	2.39			
		93	6415		2.50	2.42			
U-NII-5		3	5985		5.50	5.35			
6.2GHz	802.11ax40-HE0	43	6165	MCS0	5.50	5.36			
		91	6405		5.50	5.24			
	802.11ax80-HE0	7	5985	MCS0	8.50	8.37			
	002.11ax00-HEU	39 87	6145 6385	101030	<u>8.50</u> 8.50	8.39 8.34			
		15	6025		9.00	8.97			
	802.11ax160-HE0	47	6185	MCS0	9.00	8.99			
	0021110,1001120	79	6345		9.00	8.58			
		97	6435		1.50	1.36			
	802.11a	105	6475	6Mbps	1.50	1.26			
		113	6515		1.50	1.32			
		97	6435		2.50	2.38			
U-NII-6	802.11ax20-HE0	105	6475	MCS0	2.50	2.29			
6.5GHz		113	6515		2.50	2.44			
0.00112	802.11ax40-HE0	99	6445	MCS0	5.50	5.33			
		107	6485		5.50	5.40			
	802.11ax80-HE0	103	6465	MCS0	8.50	8.31			
	000 44	119	6545	MOCO	8.50	8.34			
	802.11ax160-HE0	111 117	6505 6535	MCS0	9.00 1.50	8.75 1.32			
	802.11a	149	6695	6Mbps	1.50	1.32			
	002.114	143	6855	000000	1.50	1.32			
		117	6535		2.50	2.33			
	802.11ax20-HE0	149	6695	MCS0	2.50	2.31			
		181	6855		2.50	2.39			
U-NII-7		115	6525		5.50	5.34			
6.7GHz	802.11ax40-HE0	147	6685	MCS0	5.50	5.36			
		179	6845		5.50	5.25			
		135	6625		8.50	8.32			
	802.11ax80-HE0	151	6705	MCS0	8.50	8.31			
		167	6785		8.50	8.22			
	802.11ax160-HE0	143 175	6665 6825	MCS0	9.00	8.77			
		175	6825 6875		<u>9.00</u> 1.50	8.51 1.39			
	802.11a	209	6995	6Mbps	1.50	1.39			
		233	7115	5 9 90	1.50	1.22			
		185	6875		2.50	2.30			
	802.11ax20-HE0	209	6995	MCS0	2.50	2.31			
U-NII-8		233	7115		2.50	2.36			
7.0GHz	802.11ax40-HE0	187	6885	MCSO	5.50	5.40			
	002.118X40-TEU	227	7085	MCS0	5.50	5.42			
		183	6865	1 1	8.50	8.34			
	802.11ax80-HE0	199	6945	MCS0	8.50	8.43			
	000 44 100 100	215	7025		8.50	8.26			
	802.11ax160-HE0	207	6985	MCS0	9.00	8.68			

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Notebook mode

Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		1.50	1.32
	802.11a	45	6175	6Mbps	1.50	1.44
		93	6415		1.50	1.35
		1	5955		2.50	2.32
	802.11ax20-HE0	45	6175	MCS0	2.50	2.42
		93	6415		2.50	2.45
U-NII-5		3	5985		5.50	5.35
6.2GHz	802.11ax40-HE0	43	6165	MCS0	5.50	5.36
0.20112		91	6405		5.50	5.43
		7	5985		8.50	8.35
	802.11ax80-HE0	39	6145	MCS0	8.50	8.37
		87	6385		8.50	8.43
		15	6025		9.00	8.83
	802.11ax160-HE0	47	6185	MCS0	9.00	8.96
		79	6345		9.00	8.93
		97	6435		1.50	1.36
	802.11a	105	6475	6Mbps	1.50	1.42
		113	6515		1.50	1.39
		97	6435		2.50	2.34
U-NII-6	802.11ax20-HE0	105	6475	MCS0	2.50	2.34
6.5GHz		113	6515		2.50	2.35
0.001.2	802.11ax40-HE0	99	6445	MCS0	5.50	5.36
		107	6485		5.50	5.38
	802.11ax80-HE0	103	6465	MCS0	8.50	8.43
		119	6545		8.50	8.36
	802.11ax160-HE0	111	6505	MCS0	9.00	8.93
	000 11-	117	6535	CMbas	1.50	1.46
	802.11a	149	6695	6Mbps	1.50	1.34
		181	6855		1.50	1.41
	802.11ax20-HE0	117	6535	MCS0	2.50	2.42
	002.118X20-HEU	149 181	6695 6855	MCSU	<u>2.50</u> 2.50	2.38 2.34
U-NII-7		115	6525		5.50	5.36
6.7GHz	802.11ax40-HE0	147	6685	MCS0	5.50	5.35
0.76112	002.11ax40-11L0	147	6845	WC30	5.50	5.32
		179	6625		8.50	8.43
	802.11ax80-HE0	155	6705	MCS0	8.50	8.45
	002.110,001120	167	6785	10000	8.50	8.33
		143	6665		9.00	8.95
	802.11ax160-HE0	175	6825	MCS0	9.00	8.92
		185	6875		1.50	1.39
	802.11a	209	6995	6Mbps	1.50	1.44
	0021114	233	7115	omspo	1.50	1.33
		185	6875		2.50	2.35
	802.11ax20-HE0	209	6995	MCS0	2.50	2.45
U-NII-8		233	7115		2.50	2.33
7.0GHz	000 44 40 47	187	6885		5.50	5.37
1	802.11ax40-HE0	227	7085	MCS0	5.50	5.45
		183	6865		8.50	8.45
	802.11ax80-HE0	199	6945	MCS0	8.50	8.37
		215	7025	1	8.50	8.39
	802.11ax160-HE0	207	6985	MCS0	9.00	8.96

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Band Mode Channel Frequency (MHz) Data Rate Max. Rated Avg. Power + Max. Tolerance (dBm) Average power (dBm) U-NIL5 802.11a 1 5955 6Mbps 1.50 1.40 802.11ax20-HE0 45 6175 MCS0 2.50 2.40 802.11ax20-HE0 45 6175 MCS0 2.50 2.44 802.11ax40-HE0 3 5095 5.50 5.44 2.50 2.44 802.11ax40-HE0 43 6165 MCS0 5.50 5.42 802.11ax40-HE0 39 6145 MCS0 8.50 8.37 802.11ax80-HE0 15 6025 9.00 8.88 8.87 802.11ax160-HE0 47 6185 MCS0 9.00 8.87 802.11ax20-HE0 105 6475 MCS0 2.50 2.40 802.11ax20-HE0 105 6475 MCS0 5.50 5.41 802.11ax40-HE0 117 6535 2.50 2.40 5.50 5.41	Tx2									
802.11a 45 6175 6Mbps 1.50 1.45 93 6415 1.50 1.35 1.50 1.35 802.11ax20-HE0 45 6175 MCS0 2.50 2.40 93 6415 2.50 2.44 3.5985 5.50 5.36 6.2GHz 43 6165 MCS0 5.50 5.42 91 6405 5.50 5.42 5.50 5.42 802.11ax40-HE0 47 6185 MCS0 8.50 8.41 802.11ax160-HE0 47 6185 MCS0 9.00 8.87 802.11ax160-HE0 47 6185 MCS0 9.00 8.87 802.11ax160-HE0 105 6475 MMCS0 2.50 2.38 802.11ax20-HE0 105 6475 MCS0 2.50 2.40 613 6615 2.50 2.40 1.39 2.50 2.40 60.2.11ax40-HE0 107 6485 MCS0 5.50	Band	Mode	Mode Channel (MHz) Data Rate		Power + Max.	power				
802.11a 45 6175 6Mbps 1.50 1.45 93 6415 1.50 1.35 1.50 1.35 802.11ax20-HE0 45 6175 MCS0 2.50 2.40 93 6415 2.50 2.44 3.5985 5.50 5.36 6.2GHz 43 6165 MCS0 5.50 5.42 91 6405 5.50 5.42 5.50 5.42 802.11ax40-HE0 47 6185 MCS0 8.50 8.41 802.11ax160-HE0 47 6185 MCS0 9.00 8.87 802.11ax160-HE0 47 6185 MCS0 9.00 8.87 802.11ax160-HE0 105 6475 MMCS0 2.50 2.38 802.11ax20-HE0 105 6475 MCS0 2.50 2.40 613 6615 2.50 2.40 1.39 2.50 2.40 60.2.11ax40-HE0 107 6485 MCS0 5.50			1	5955		1.50	1.40			
U-NII-5 6.2GHz 93 802.11ax20-HE0 93 45 1 6415 5955 802.11ax40-HE0 1.50 43 1.50 6.2GHz 1.35 2.50 2.44 2.43 802.11ax40-HE0 3 5985 43 6165 MCS0 5.50 5.50 5.44 5.50 802.11ax40-HE0 39 6145 MCS0 5.50 5.44 8.50 802.11ax40-HE0 39 6145 MCS0 8.50 8.41 8.50 802.11ax40-HE0 47 6185 MCS0 8.50 8.41 8.50 802.11ax160-HE0 47 6185 9.00 8.88 8.50 8.81 8.50 1.45 802.11a 105 6475 MCS0 2.50 2.40 8.97 1.45 802.11ax20-HE0 105 6475 MCS0 2.50 2.44 802.11ax40-HE0 103 6445 MCS0 5.50 5.40 802.11ax40-HE0 117 6635 1.50 1.39 1.50 1.39 802.11ax40-HE0 119 6445 MCS0 5.50 5.40 802.11ax40-HE0 117		802.11a	45		6Mbps					
U-NII-5 6.2GHz 1 802.11ax20-HE0 802.11ax40-HE0 1 45 45 45 802.11ax40-HE0 1 802.50 43 802.11ax40-HE0 1 802.11ax40-HE0 802.11ax80-HE0 1 802.11ax80-HE0 802.11ax160-HE0 1 802.11ax80-HE0 802.11ax160-HE0 1 802.11ax80-HE0 802.11ax160-HE0 1 802.11ax80-HE0 802.11ax160-HE0 1 802.11ax80-HE0 802.11ax160-HE0 1 802.11ax80-HE0 802.11ax160-HE0 1 802.11ax80-HE0 802.11ax160-HE0 1 802.11ax80-HE0 802.11ax160-HE0 1 802.11ax80-HE0 802.11ax160-HE0 1 802.11ax80-HE0 802.11ax80-HE0 1 802.11ax80-HE0 80.211ax80-HE0 1 802.11ax80-HE0 802.11ax80-HE0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
U-NII-5 6.2GHz 802.11ax40-HE0 802.11ax80-HE0 U-NII-5 6.2GHz 802.11ax80-HE0 U-NII-6 6.5GHz U-NII-6 6.5GHz U-NII-7 6.7GHz U-NII-7 6.7GHz U-NII-7 6.7GHz U-NII-7 6.7GHz U-NII-7 6.7GHz U-NII-7 6.7GHz U-NII-7 6.7GHz U-NII-7 6.7GHz 1.50 1.38 802.11ax80-HE0 151 6625 802.11ax40-HE0 151 6625 802.11ax40-HE0 151 6625 802.11ax40-HE0 151 6625 802.11ax40-HE0 151 6625 850 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.41 150 1.50 1.38 802.11ax40-HE0 151 6625 8.50		-	1	5955		2.50	2.40			
U-NII-5 6.2GHz 802.11ax40-HE0 802.11ax40-HE0 3 43 43 5985 6165 MCS0 5.50 5.36 5.50 5.36 5.42 802.11ax80-HE0 39 6145 MCS0 8.50 8.31 802.11ax80-HE0 39 6145 MCS0 8.50 8.34 802.11ax80-HE0 47 6185 MCS0 9.00 8.85 802.11ax160-HE0 47 6185 MCS0 9.00 8.85 802.11a 105 6475 6Mbps 1.50 1.32 97 6435 1.50 1.32 1.45 1.45 802.11a 105 6475 MCS0 2.50 2.40 802.11ax40-HE0 107 6485 MCS0 5.50 5.41 802.11ax40-HE0 119 6545 MCS0 8.50 8.33 802.11ax40-HE0 111 6505 1.50 1.39 802.11ax40-HE0 117 6535 2.50 2.440 117 6535 1.50 1.39 8.50		802.11ax20-HE0	45		MCS0					
U-NII-5 6.2GHz 802.11ax40-HE0 43 91 6165 6405 MCS0 5.50 5.44 802.11ax80-HE0 39 6145 MCS0 8.50 8.41 802.11ax80-HE0 39 6145 MCS0 8.50 8.37 802.11ax160-HE0 47 6185 MCS0 9.00 8.88 802.11ax160-HE0 47 6185 MCS0 9.00 8.89 802.11a 105 6475 6Mbps 1.50 1.32 802.11ax20-HE0 97 6435 2.50 2.38 802.11ax40-HE0 105 6475 MCS0 2.50 2.46 802.11ax40-HE0 103 6465 MCS0 8.50 8.33 802.11ax40-HE0 111 6505 MCS0 8.50 8.33 802.11ax40-HE0 1117 6535 MCS0 8.50 8.33 802.11ax40-HE0 1117 6535 1.50 1.39 802.11ax40-HE0 149 6695 MCS0 5.50			93	6415		2.50	2.42			
6.2GHz 802.11ax40-HE0 43 6165 MCS0 5.50 5.42 802.11ax80-HE0 39 6145 MCS0 8.50 8.31 802.11ax80-HE0 39 6145 MCS0 8.50 8.34 802.11ax160-HE0 47 6185 MCS0 9.00 8.85 802.11ax160-HE0 47 6185 MCS0 9.00 8.85 802.11ax160-HE0 47 6185 MCS0 9.00 8.95 802.11ax20-HE0 97 6435 6Mbps 1.50 1.32 802.11ax20-HE0 105 6475 MCS0 2.50 2.40 802.11ax40-HE0 107 6485 MCS0 5.50 5.40 802.11ax40-HE0 111 6505 MCS0 8.50 8.33 802.11ax40-HE0 111 6505 MCS0 8.50 8.33 802.11ax40-HE0 111 6505 MCS0 8.50 8.33 802.11ax40-HE0 114 6695 MCS0 <td></td> <td></td> <td>3</td> <td>5985</td> <td></td> <td>5.50</td> <td>5.36</td>			3	5985		5.50	5.36			
U-NII-6 6.5GHz U-NII-6 U-NII-7 U-NII-7 U-NII-7 U-NII-7 U-NII-7 U-NII-7 U-NII-7 U-NII-7 U-NII-7 U-NII-7 U-NII-7 U-NII-8 U-NI-1 U-NII-8 U-NII-8 U-NII-8 U-NII-8 U-NII-8 U-NI-		802.11ax40-HE0	43	6165	MCS0	5.50	5.44			
802.11ax80-HE0 39 6145 MCS0 8.50 8.37 802.11ax160-HE0 47 6185 MCS0 9.00 8.88 802.11ax160-HE0 47 6185 MCS0 9.00 8.87 97 6345 MCS0 9.00 8.87 97 6345 MCS0 9.00 8.95 802.11a 105 6475 6Mbps 1.50 1.32 802.11ax20-HE0 97 6435 MCS0 2.50 2.38 802.11ax40-HE0 105 6475 MCS0 2.50 2.44 802.11ax40-HE0 103 6485 MCS0 5.50 5.41 802.11ax80-HE0 111 6505 MCS0 8.50 8.33 802.11ax160-HE0 111 6505 MCS0 8.50 8.35 802.11ax160-HE0 111 6505 MCS0 2.50 2.38 802.11ax20-HE0 149 6695 MCS0 5.50 5.41 802.11ax20-HE0<	0.2GHZ		91	6405		5.50	5.42			
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B02.11ax160-HE0 175 6825 MCS0 9.00 8.97 802.11a 185 6875 1.50 1.40 209 6995 6Mbps 1.50 1.36 233 7115 1.50 1.33 802.11ax20-HE0 209 6995 MCS0 2.50 2.37 802.11ax20-HE0 209 6995 MCS0 2.50 2.37 802.11ax40-HE0 187 6885 MCS0 2.50 2.43 7.0GHz 187 6885 MCS0 5.50 5.43 802.11ax80-HE0 183 6865 8.50 8.37 802.11ax80-HE0 199 6945 MCS0 8.50 8.32										
U-NII-8 185 6875 1.50 1.40 00 6995 6Mbps 1.50 1.36 01-NII-8 185 6875 2.33 7115 1.50 1.33 802.11ax20-HE0 209 6995 MCS0 2.50 2.37 802.11ax20-HE0 209 6995 MCS0 2.50 2.37 802.11ax40-HE0 187 6885 MCS0 2.50 2.43 802.11ax40-HE0 187 6885 MCS0 5.50 5.43 802.11ax80-HE0 183 6865 8.50 8.37 802.11ax80-HE0 199 6945 MCS0 8.50 8.40 215 7025 8.50 8.32 8.50 8.32		802.11ax160-HE0	-		MCS0					
802.11a 209 6995 6Mbps 1.50 1.36 233 7115 1.50 1.33 1.33 1.50 1.33 802.11ax20-HE0 209 6995 MCS0 2.50 2.37 802.11ax20-HE0 209 6995 MCS0 2.50 2.37 233 7115 2.50 2.43 2.50 2.43 7.0GHz 802.11ax40-HE0 187 6885 MCS0 5.50 5.43 802.11ax80-HE0 183 6865 8.50 8.37 8.50 8.37 802.11ax80-HE0 199 6945 MCS0 8.50 8.40										
U-NII-8 233 7115 1.50 1.33 802.11ax20-HE0 209 6995 MCS0 2.50 2.37 233 7115 2.50 2.37 2.37 2.37 2.50 2.37 209 6995 MCS0 2.50 2.43 2.50 2.43 802.11ax40-HE0 187 6885 MCS0 5.50 5.43 802.11ax40-HE0 183 6865 MCS0 5.50 5.39 802.11ax80-HE0 199 6945 MCS0 8.50 8.40 215 7025 8.50 8.32 8.32 8.50 8.32		802.11a	-		6Mbps	1.50				
U-NII-8 7.0GHz 185 6875 209 MCS0 2.50 2.37 802.11ax20-HE0 209 6995 MCS0 2.50 2.37 7.0GHz 802.11ax40-HE0 187 6885 MCS0 5.50 5.43 802.11ax40-HE0 183 6865 MCS0 5.50 5.39 802.11ax80-HE0 199 6945 MCS0 8.50 8.40 215 7025 8.50 8.32 8.50 8.32					1					
U-NII-8 7.0GHz 802.11ax20-HE0 209 6995 MCS0 2.50 2.37 2.50 2.43 2.50 2.43 2.50 2.43 302.11ax40-HE0 187 6885 227 7085 MCS0 5.50 5.39 5.50 5.39 183 6865 802.11ax80-HE0 199 6945 MCS0 8.50 8.50 8.32										
U-NII-8 233 7115 2.50 2.43 7.0GHz 802.11ax40-HE0 187 6885 MCS0 5.50 5.43 802.11ax80-HE0 183 6865 MCS0 5.50 5.39 802.11ax80-HE0 199 6945 MCS0 8.50 8.40 215 7025 8.50 8.32 8.32		802.11ax20-HE0			MCS0		2.37			
7.0GHz 802.11ax40-HE0 187 6885 MCS0 5.50 5.43 802.11ax40-HE0 227 7085 MCS0 5.50 5.39 802.11ax80-HE0 183 6865 8.50 8.37 802.11ax80-HE0 199 6945 MCS0 8.50 8.40 215 7025 8.50 8.32 8.32	U-NII-8						2.43			
227 7085 5.50 5.39 183 6865 8.50 8.37 802.11ax80-HE0 199 6945 MCS0 8.50 8.40 215 7025 8.50 8.32	7.0GHz		187	6885	MCSO		5.43			
802.11ax80-HE0 199 6945 MCS0 8.50 8.40 215 7025 8.50 8.32		002.11dX40-HEU	227	7085	IVIC SU	5.50	5.39			
215 7025 8.50 8.32			183	6865		8.50	8.37			
		802.11ax80-HE0	199	6945	MCS0	8.50	8.40			
802.11ax160-HE0 207 6985 MCS0 9.00 8.98			215	7025		8.50				
		802.11ax160-HE0	207	6985	MCS0	9.00	8.98			

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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		13.93		9.95		9.93
BR/EDR	CH 39	2441	14.00	13.21	10.00	9.09	10.00	9.03
	CH 78	2480		12.65		8.86		8.85

6.4 BLE

Mada	Mode Channel Frequency (MHz)		GFSK			
Mode			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)		
	CH 00	2402		3.24		
BLE_1M	CH 19	2440	5	3.65		
	CH 39	2480		3.73		

Mode	Channel	Frequency	(GFSK
Mode	Charmer	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
	CH 00	2402		3.13
BLE_2M	CH 19	2440	5	3.48
	CH 39	2480		3.56

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DUTY CYCLE 7

2.4G b duty

(1.348/1.437=0.938) Scaling Factor=1.066

L <mark>XI</mark>	RF		AC			SE	NSE:INT			ALIGN AUTO)4 PM Jan 06, 2022
Marker 3	9.132	.67 ms	PI	10: Fast Gain:Low		rig: Free tten: 10		Avg	Туре	: Log-Pwr	TF	RACE 123456 TYPE WWWWWW DET N N N N N N
10 dB/div Log	Ref -2	2.00 dB	m								Mkr3 -24	9.133 ms I.02 dBm
-12.0 -22.0						\rangle^1	<∕ <mark>∂</mark> 3					
-32.0									ſ			
-52.0 												
-72.0 -82.0												
-92.0 Center 2.4		000 GH	Z									Span 0 Hz
Res BW 8	MHz			#VE	SW 6.2	2 kHz				Sweep 17	7.73 ms	s (1001 pts)
MKR MODE TF 1 N 1 2 N 1 3 N 1 4 5	C SCL t t t		9.0	96 ms 44 ms 33 ms	-2	Y 2 <u>3.96 dl</u> 2 <u>3.34 dl</u> 24.02 dl	3m 3m	NCTION	FUI	NCTION WIDTH	FUNC	CTION VALUE

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5G a duty

(1.891/1.981=0.955) Scaling Factor=1.047	
Marker 3, 10, 1535 ms Avg Type: Log-Pwr	05:02:30 PM Jan 06, 2022 TRACE 1 2 3 4 5 6
Marker 3 10.1535 ms Avg Type: Log-Pwr PNO: Fast +++ Trig: Free Run	TYPE WWWWWW
IFGain:Low Atten: 10 dB	DET NNNNN
	Mkr3 10.15 ms
10 dB/div Ref -15.00 dBm	-36.13 dBm
-25.0	
	╶╌╸┝╍╍╴╍╍╴┝╼╌╸┝╼╍╸
-45.0	
-65.0	
-75.0	
-85.0	
.95.0	
-105	
Center 5.700000000 GHz	Span 0 Hz
	9.27 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH	FUNCTION VALUE
1 N 1 t 8.169 ms -36.31 dBm	
2 N 1 t 10.06 ms -35.76 dBm 3 N 1 t 10.15 ms -36.13 dBm	
4	
5	

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5G n40 duty

(5.297/5.387=0.984) Scaling Factor=1.016
--------------------	------------------------

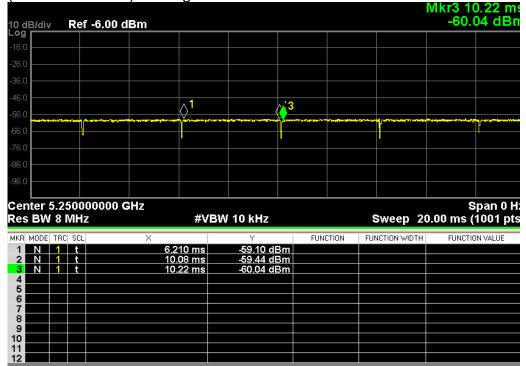
×	RF	50Ω AC	eeaning	SENSE		ALIGN AUTO	04:59:53 PM Jan 06, 2022
Marker 3	13.19	36 ms	PNO: Fast ← IFGain:Low	Trig: Free R Atten: 10 dl	un	Type: Log-Pwr	TRACE 123456 TYPE WWWWWW DET NNNNNN
10 dB/div	Ref -2	1.00 dBm					Mkr3 13.19 ms -42.39 dBm
-31.0				. ⊘ 1		∂ 3	
-51.0							
-61.0							
-81.0							
-101							
Center 5.2 Res BW 2		000 GHz	#VB	W 7.5 kHz		Sweep 1	Span 0 Hz 7.73 ms (1001 pts)
MKR MODE TR 1 N 1 2 N 1 3 N 1 4 5	t t	X	7.803 ms 13.10 ms 13.19 ms	√ -41.56 dBn -40.87 dBn -42.39 dBn	1	FUNCTION WIDTH	FUNCTION VALUE

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5G ac(160M) duty (3.87/4.01=0.965) Scaling Factor=1.036



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6E ax160 duty

(2.135/2.235=0.955) Scaling Factor=1.047

arker 3	^{RF} 10.519	50 Ω AC 6 ms		SENSE:	Avg	ALIGN AUTO	05:05:28 PM Jan 06, 202 TRACE 1 2 3 4 5 TYPE WAAAAAA
			PNO: Fast ↔ IFGain:Low	Atten: 10 dB			DET <mark>N N N N N</mark>
) dB/div	Ref -24	.00 dBm					Mkr3 10.52 m -54.95 dBr
2 4.0							
4.0					3		
4.0					P	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
4.0			- '			· ·	
4.0							
4.0							
4.0							
04							
114							
enter 6.: es BW 8	5050000 MHz	00 GHz	#VB	W 4.3 kHz	j	Sweep 1	Span 0 H 9.27 ms (1001 pt
KR MODE TR	C SCL	×		Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1 N 1 2 N 1 3 N 1	t t t		8.285 ms 10.42 ms 10.52 ms	-54.88 dBm -54.44 dBm -54.95 dBm			
4 <u> </u>							

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BT duty



42.0 52.0 52.0 72.0 32.0 32.0 32.0 52.0		MIL-2 7 400 m
12.0 22.0 32.0 42.0 52.0		Mkr3 7.490 ms -22.04 dBn
32.0 42.0 52.0 72.0 82.0 92.0 92.0 Center 2.441000000 GHz	3	
52.0 52.0 72.0 32.0		
12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0		
2.0 enter 2.441000000 GHz	THE REAL PROPERTY IN	
	Sweep 1	Span 0 H 0.00 ms (1001 pts
KR MODE TRC SCL X Y FUNCTION FU 1 N 1 t 3.730 ms -22.50 dBm 2 2 N 1 t 6.560 ms -21.71 dBm 3 N 1 t 7.490 ms -22.04 dBm 4 1<	NCTION WIDTH	FUNCTION VALUE

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SUMMARY OF RESULTS 8

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

Report No. :EN/2021/C0030

Tablet mode

Vendor 1

Mode	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	D
Mode	Position	(mm)	СН	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	D
	Back Surface	0	6	2437	20.00	19.99	1.066	100.23%	0.136	0.145	-
	Top Edge	0	1	2412	19.50	19.32	1.066	104.23%	0.624	0.693	001
WLAN 802.11b	Top Edge	0	6	2437	20.00	19.99	1.066	100.23%	0.462	0.494	-
WLAN 802.11D	Top Edge	0	11	2462	19.50	19.46	1.066	100.93%	0.322	0.346	-
	Left Edge	0	6	2437	20.00	19.99	1.066	100.23%	0.023	0.025	-
	Right Edge	0	6	2437	20.00	19.99	1.066	100.23%	0.275	0.294	-
	Back Surface	0	0	2402	14.00	13.93	1.328	101.62%	0.043	0.058	-
Bluetooth	Top Edge	0	0	2402	14.00	13.93	1.328	101.62%	0.172	0.232	002
(GFSK)	Left Edge	0	0	2402	14.00	13.93	1.328	101.62%	0.095	0.128	-
	Right Edge	0	0	2402	14.00	13.93	1.328	101.62%	0.143	0.193	-
WLAN 802.11n	Back Surface	0	46	5230	15.00	14.98	1.016	100.46%	0.056	0.057	-
(40M)	Top Edge	0	46	5230	15.00	14.98	1.016	100.46%	0.578	0.590	003
5.2G	Left Edge	0	46	5230	15.00	14.98	1.016	100.46%	0.079	0.081	-
5.20	Right Edge	0	46	5230	15.00	14.98	1.016	100.46%	0.146	0.149	-
	Back Surface	0	56	5280	18.00	17.98	1.047	100.46%	0.089	0.094	-
	Top Edge	0	52	5260	16.00	15.91	1.047	102.09%	0.690	0.738	-
	Top Edge	0	56	5280	18.00	17.98	1.047	100.46%	0.723	0.760	-
WLAN 802.11a 5.3G	Top Edge	0	60	5300	18.00	17.86	1.047	103.28%	0.834	0.902	004
	Top Edge	0	64	5320	16.00	15.74	1.047	106.17%	0.771	0.857	-
	Left Edge	0	56	5280	18.00	17.98	1.047	100.46%	0.043	0.045	-
	Right Edge	0	56	5280	18.00	17.98	1.047	100.46%	0.242	0.255	-
Repeat	Top Edge	0	60	5300	18.00	17.86	1.047	103.28%	0.824	0.891	-
	Back Surface	0	144	5720	18.00	17.96	1.047	100.93%	0.106	0.112	-
WLAN 802.11a 5.6G	Top Edge	0	144	5720	18.00	17.96	1.047	100.93%	0.650	0.687	005
WLAN 002.118 5.6G	Left Edge	0	144	5720	18.00	17.96	1.047	100.93%	0.067	0.071	-
	Right Edge	0	144	5720	18.00	17.96	1.047	100.93%	0.131	0.138	-
	Back Surface	0	149	5745	18.00	17.96	1.047	100.93%	0.086	0.091	-
WLAN 802.11a	Top Edge	0	149	5745	18.00	17.96	1.047	100.93%	0.571	0.603	006
5.8G	Left Edge	0	149	5745	18.00	17.96	1.047	100.93%	0.068	0.072	-
	Right Edge	0	149	5745	18.00	17.96	1 047	100.93%	0.132	0.139	-

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

Mode	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
Mode	Position	(mm)	Ch	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	D
	Back Surface	0	6	2437	20.00	19.98	1.066	100.46%	0.071	0.076	-
	Top Edge	0	1	2412	19.50	19.36	1.066	103.28%	0.454	0.500	-
WLAN 802.11b	Top Edge	0	6	2437	20.00	19.98	1.066	100.46%	0.389	0.417	-
WLAN 002.11D	Top Edge	0	11	2462	19.50	19.48	1.066	100.46%	0.489	0.524	007
	Left Edge	0	6	2437	20.00	19.98	1.066	100.46%	0.119	0.127	-
	Right Edge	0	6	2437	20.00	19.98	1.066	100.46%	0.275	0.295	-
WLAN 802.11n	Back Surface	0	46	5230	15.00	14.98	1.016	100.46%	0.081	0.083	-
(40M)	Top Edge	0	46	5230	15.00	14.98	1.016	100.46%	0.371	0.379	008
(40M) 5.2G	Left Edge	0	46	5230	15.00	14.98	1.016	100.46%	0.188	0.192	-
5.2G	Right Edge	0	46	5230	15.00	14.98	1.016	100.46%	0.055	0.056	-
	Back Surface	0	60	5300	18.00	17.99	1.047	100.23%	0.164	0.172	-
WLAN 802.11a 5.3G	Top Edge	0	60	5300	18.00	17.99	1.047	100.23%	0.690	0.724	009
WLAN 602.11a 5.3G	Left Edge	0	60	5300	18.00	17.99	1.047	100.23%	0.377	0.396	-
	Right Edge	0	60	5300	18.00	17.99	1.047	100.23%	0.053	0.056	-
	Back Surface	0	144	5720	18.00	17.98	1.047	100.46%	0.224	0.236	-
	Top Edge	0	100	5500	16.00	15.97	1.047	100.69%	0.632	0.666	-
	Top Edge	0	120	5600	18.00	17.88	1.047	102.80%	0.810	0.872	-
WLAN 802.11a 5.6G	Top Edge	0	144	5720	18.00	17.98	1.047	100.46%	0.959	1.009	010
	Left Edge	0	144	5720	18.00	17.98	1.047	100.46%	0.305	0.321	-
	Right Edge	0	144	5720	18.00	17.98	1.047	100.46%	0.060	0.063	-
Repeat	Top Edge	0	144	5720	18.00	17.98	1.047	100.46%	0.931	0.979	-
•	Back Surface	0	165	5825	18.00	17.99	1.047	100.23%	0.209	0.219	-
	Top Edge	0	149	5745	18.00	17.82	1.047	104.23%	0.945	1.031	-
WLAN 802.11a	Top Edge	0	157	5785	18.00	17.96	1.047	100.93%	0.999	1.056	-
5.8G	Top Edge	0	165	5825	18.00	17.99	1.047	100.23%	1.020	1.070	011
	Left Edge	0	165	5825	18.00	17.99	1.047	100.23%	0.387	0.406	-
	Right Edge	0	165	5825	18.00	17.99	1.047	100.23%	0.037	0.039	-
Repeat	Top Edge	0	165	5825	18.00	17.99	1.047	100.23%	0.999	1.048	-

* - 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.

Unless other wire stated: the results stoken in this less report relet only to be stated and so that state states and the results stoken and states and s Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations, under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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Vendor 2

		Distance		Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	Rover 1g (W/kg)	D
Mode	Position	(mm)	СН	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	U
	Back Surface	0	6	2437	20.00	19.99	1.066	100.23%	0.120	0.128	-
	Top Edge	0	1	2412	19.50	19.32	1.066	104.23%	0.161	0.179	-
WLAN 802.11b	Top Edge	0	6	2437	20.00	19.99	1.066	100.23%	0.275	0.294	-
WEAR 002.110	Top Edge	0	11	2462	19.50	19.46	1.066	100.93%	0.453	0.487	012
	Left Edge	0	6	2437	20.00	19.99	1.066	100.23%	0.021	0.022	-
	Right Edge	0	6	2437	20.00	19.99	1.066	100.23%	0.286	0.306	-
	Back Surface	0	0	2402	14.00	13.93	1.328	101.62%	0.032	0.043	-
Bluetooth	Top Edge	0	0	2402	14.00	13.93	1.328	101.62%	0.236	0.319	013
(GFSK)	Left Edge	0	0	2402	14.00	13.93	1.328	101.62%	0.046	0.062	-
	Right Edge	0	0	2402	14.00	13.93	1.328	101.62%	0.132	0.178	-
WLAN 802.11n	Back Surface	0	46	5230	15.00	14.98	1.016	100.46%	0.032	0.032	-
(40M)	Top Edge	0	46	5230	15.00	14.98	1.016	100.46%	0.346	0.353	014
5.2G	Left Edge	0	46	5230	15.00	14.98 14.98	1.016	100.46%	0.001	0.001	
	Right Edge Back Surface		46 56	5230 5280	15.00 18.00	14.98	1.016	100.46%	0.172	0.176	-
	Top Edge	0	56	5280	18.00	17.98	1.047	100.46%	0.033	0.035	-
		0	52	5280	18.00	15.91	1.047	102.09%	0.480	0.513	015
WLAN 802.11a	Top Edge Top Edge	0	56 60	5280	18.00	17.98	1.047	100.46%	0.701	0.737	- 015
5.3G		0	64	5300	18.00	17.86	1.047	103.28%	0.333	0.636	-
	Top Edge Left Edge	0	56	5320	16.00	15.74	1.047	106.17%	0.333	0.370	-
	Right Edge	0	56	5280	18.00	17.98	1.047	100.46%	0.253	0.266	
	Back Surface	0	144	5720	18.00	17.96	1.047	100.93%	0.050	0.052	
WLAN 802.11a	Top Edge	0	144	5720	18.00	17.96	1.047	100.93%	0.391	0.052	016
5.6G	Left Edge	0	144	5720	18.00	17.96	1.047	100.93%	0.003	0.003	-
5.00	Right Edge	0	144	5720	18.00	17.96	1.047	100.93%	0.135	0.143	
	Back Surface	0	144	5745	18.00	17.96	1.047	100.93%	0.004	0.004	
WI AN 802 11a	Top Edge	0	149	5745	18.00	17.96	1.047	100.93%	0.513	0.542	017
5.8G	Left Edge	0	149	5745	18.00	17.96	1.047	100.93%	0.001	0.001	-
5.00	Right Edge	0	149	5745	18.00	17.96	1.047	100.93%	0.076	0.080	
Tx2	rught Eugo	•	110	0110	10.00	11.00	1.011	100.0070	0.010	0.000	
					Max. Rated Avg.	Measured			Averaged SAR	over 1a (W/ka)	
Mode	Position	Distance	СН	Freq.	Power + Max.	Avg. Power	Duty cycle	Power		1	ID
Mode		Distance (mm)	СН	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	ID
Mode	Back Surface	(mm) 0	6	(MHz) 2437	Power + Max. Tolerance (dBm) 20.00	Avg. Power (dBm) 19.98	scaling 1.066	scaling 100.46%	Measured 0.044	Reported 0.047	-
Mode	Back Surface Top Edge	(mm) 0 0	6	(MHz) 2437 2412	Power + Max. Tolerance (dBm) 20.00 19.50	Avg. Power (dBm) 19.98 19.36	scaling 1.066 1.066	scaling 100.46% 103.28%	Measured 0.044 0.107	Reported 0.047 0.118	
	Back Surface Top Edge Top Edge	(mm) 0 0 0	6 1 6	(MHz) 2437 2412 2437	Power + Max. Tolerance (dBm) 20.00 19.50 20.00	Avg. Power (dBm) 19.98 19.36 19.98	scaling 1.066 1.066 1.066	scaling 100.46% 103.28% 100.46%	Measured 0.044 0.107 0.183	Reported 0.047 0.118 0.196	-
Mode WLAN 802.11b	Back Surface Top Edge Top Edge Top Edge	(mm) 0 0 0 0	6 1 6 11	(MHz) 2437 2412 2437 2462	Power + Max. Tolerance (dBm) 20.00 19.50 20.00 19.50	Avg. Power (dBm) 19.98 19.36 19.98 19.48	scaling 1.066 1.066 1.066 1.066	scaling 100.46% 103.28% 100.46% 100.46%	Measured 0.044 0.107 0.183 0.239	Reported 0.047 0.118 0.196 0.256	- - - 018
	Back Surface Top Edge Top Edge Top Edge Left Edge	(mm) 0 0 0 0 0	6 1 6 11 6	(MHz) 2437 2412 2437 2462 2437	Power + Max. Tolerance (dBm) 20.00 19.50 20.00 19.50 20.00	Avg. Power (dBm) 19.98 19.36 19.98 19.48 19.98	1.066 1.066 1.066 1.066 1.066 1.066	scaling 100.46% 103.28% 100.46% 100.46%	Measured 0.044 0.107 0.183 0.239 0.108	Reported 0.047 0.118 0.196 0.256 0.116	- - - 018 -
	Back Surface Top Edge Top Edge Left Edge Right Edge	(mm) 0 0 0 0 0 0	6 1 6 11 6 6	(MHz) 2437 2412 2437 2462 2437 2437	Power + Max. Tolerance (dBm) 20.00 19.50 20.00 19.50 20.00 20.00	Avg. Power (dBm) 19.98 19.36 19.98 19.48 19.98 19.98	scaling 1.066 1.066 1.066 1.066 1.066	scaling 100.46% 103.28% 100.46% 100.46% 100.46%	Measured 0.044 0.107 0.183 0.239 0.108 0.001	Reported 0.047 0.118 0.196 0.256 0.116 0.001	- - - 018
WLAN 802.11b	Back Surface Top Edge Top Edge Top Edge Left Edge Right Edge Back Surface	(mm) 0 0 0 0 0 0 0	6 1 6 11 6 6 46	(MHz) 2437 2412 2437 2462 2437 2437 2437 5230	Power + Max. Tolerance (dBm) 20.00 19.50 20.00 19.50 20.00 20.00 15.00	Avg. Power (dBm) 19.98 19.36 19.98 19.98 19.98 19.98 19.98 14.98	scaling 1.066 1.066 1.066 1.066 1.066 1.066 1.016	scaling 100.46% 100.46% 100.46% 100.46% 100.46% 100.46%	Measured 0.044 0.107 0.183 0.239 0.108 0.001 0.106	Reported 0.047 0.118 0.196 0.256 0.116 0.001 0.108	- - - 018 - -
WLAN 802.11b WLAN 802.11n	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 46 46	(MHz) 2437 2412 2437 2462 2437 2437 5230 5230	Power + Max Tolerance (dBm) 20.00 19.50 20.00 20.00 20.00 15.00 15.00	Avg. Power (dBm) 19.98 19.36 19.98 19.98 19.98 19.98 14.98 14.98	scaling 1.066 1.066 1.066 1.066 1.066 1.066 1.016 1.016	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46%	Measured 0.044 0.107 0.183 0.239 0.108 0.001 0.106 0.195	Reported 0.047 0.118 0.196 0.256 0.116 0.001 0.108 0.199	- - - 018 -
WLAN 802.11b WLAN 802.11n (40M)	Back Surface Top Edge Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 11 6 6 6 46 46 46	(MHz) 2437 2412 2437 2462 2437 2437 2437 5230 5230	Power + Max Tolerance (dBm) 20.00 19.50 20.00 20.00 20.00 20.00 15.00 15.00	Avg. Power (dBm) 19.98 19.36 19.98 19.98 19.98 19.98 19.98 14.98 14.98	scaling 1.066 1.066 1.066 1.066 1.066 1.066 1.016 1.016	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46%	Measured 0.044 0.107 0.183 0.239 0.108 0.001 0.106 0.195 0.175	Reported 0.047 0.118 0.256 0.116 0.001 0.108 0.199 0.179	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11n	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 11 6 46 46 46 46	(MHz) 2437 2412 2437 2462 2437 2437 5230 5230 5230	Power + Max Tolerance (dBm) 20.00 19.50 20.00 20.00 15.00 15.00 15.00 15.00	Avg. Power (dBm) 19.98 19.36 19.98 19.98 19.98 19.98 14.98 14.98 14.98 14.98	scaling 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46%	Measured 0.044 0.107 0.183 0.239 0.108 0.001 0.106 0.195 0.175 0.006	Reported 0.047 0.118 0.196 0.256 0.0116 0.001 0.108 0.199 0.179 0.006	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11n (40M) 5.2G	Back Surface Top Edge Top Edge Left Edge Back Surface Top Edge Left Edge Right Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 6 \\ 1 \\ 6 \\ 46 \\ 46 \\ 46 \\ 46 \\ 46 \\ 60 \\ \end{array} $	(MHz) 2437 2412 2437 2462 2437 2437 5230 5230 5230 5230 5230 5230 5230	Power + Max Tolerance (dBm) 20.00 19.50 20.00 20.00 20.00 15.00 15.00 15.00 15.00 15.00 15.00	Avg. Power (dBm) 19.98 19.36 19.98 19.98 19.98 19.98 14.98 14.98 14.98 14.98 14.98 14.98 14.98	scaling 1.066 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.016	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46%	Measured 0.044 0.107 0.183 0.239 0.108 0.001 0.106 0.195 0.175 0.006 0.114	Reported 0.047 0.118 0.196 0.256 0.116 0.001 0.108 0.199 0.179 0.006 0.120	- - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11n (40M) 5.2G WLAN 802.11a	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 11 6 46 46 46 46 46 60 60	(MHz) 2437 2412 2437 2462 2437 5230 5230 5230 5230 5230 5300 5300	Power + Max Tolerance (dBm) 20.00 19.50 20.00 20.00 15.00 15.00 15.00 15.00 15.00 15.00 18.00	Avg. Power (dBm) 19.98 19.36 19.98 19.48 19.98 19.98 14.98 14.98 14.98 14.98 14.99 17.99 17.99	scaling 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.017 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23%	Measured 0.044 0.107 0.183 0.239 0.108 0.108 0.106 0.195 0.175 0.006 0.114 0.455	Reported 0.047 0.118 0.256 0.116 0.001 0.108 0.179 0.006 0.120 0.477	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11n (40M) 5.2G	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Left Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 6 46 46 46 46 46 60 60 60	(MHz) 2437 2412 2437 2442 2437 2437 2437 2530 5230 5230 5230 5230 5300 5300 5300	Power + Max Tolerance (dBm) 20.00 19.50 20.00 19.50 20.00 15.00 15.00 15.00 15.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.96 19.98 19.98 19.98 19.98 14.99 14.99 14.99 14.98 14.98 14.98 17.99 17.99	scaling 1.066 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.017 1.047 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23%	Measured 0.044 0.107 0.239 0.108 0.001 0.106 0.195 0.175 0.006 0.114 0.455 0.329	Reported 0.047 0.118 0.256 0.116 0.001 0.108 0.199 0.179 0.006 0.120 0.477 0.345	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11n (40M) 5.2G WLAN 802.11a	Back Surface Top Edge Top Edge Top Edge Left Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Top Edge Left Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 46 46 46 46 60 60 60 60 60 60	(MHz) 2437 2412 2437 2462 2437 5230 5230 5230 5230 5300 5300 5300 5300 5300	Power + Max Tolerance (dBm) 20.00 19.50 20.00 20.00 20.00 15.00 15.00 15.00 15.00 15.00 16.00 18.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.98 19.98 19.98 19.98 19.98 14.98 14.98 14.98 14.98 14.98 14.98 17.99 17.99 17.99	scaling 1 0.66 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.047 1.047 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23%	Measured 0.044 0.107 0.183 0.239 0.108 0.108 0.195 0.195 0.195 0.175 0.006 0.114 0.455 0.329 0.002	Reported 0.047 0.118 0.196 0.256 0.116 0.108 0.199 0.179 0.006 0.120 0.477 0.345 0.002	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G	Back Surface Top Edge Top Edge Top Edge Left Edge Right Edge Back Surface Back Surface Left Edge Back Surface Left Edge Right Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 6 6 46 46 46 60 60 60 60 60 60 144	(MHz) 2437 2412 2437 2462 2437 5230 5230 5230 5300 5300 5300 5300 5300 5300 5300	Power + Max Tolerance (dBm) 20.00 19.50 20.00 19.50 20.00 15.00 15.00 15.00 15.00 15.00 16.00 18.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.98 19.98 19.98 19.98 19.98 14.98 14.98 14.98 14.99 14.99 14.99 17.99 17.99 17.99 17.98	scaling 1.066 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.017 1.047 1.047 1.047 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23%	Measured 0.044 0.107 0.183 0.239 0.108 0.001 0.195 0.195 0.195 0.005 0.114 0.455 0.329 0.022 0.2216	Reported 0.047 0.118 0.256 0.001 0.108 0.199 0.179 0.066 0.120 0.477 0.345 0.0227	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11b (40M) 5.2G WLAN 802.11a S.3G WLAN 802.11a	Back Surface Top Edge Top Edge Top Edge Left Edge Back Surface Top Edge Back Surface Top Edge Left Edge Right Edge Right Edge Back Surface Top Edge Left Edge Back Surface Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 46 46 46 46 46 60 60 60 60 60 60 144 144	(MHz) 2437 2412 2437 2437 2437 2437 2437 2530 5230 5230 5300 5300 5300 5300 5300 5300 5720	Power + Max Tolerance (dBm) 20.00 19.50 20.00 20.00 15.00 15.00 15.00 15.00 15.00 18.00 18.00 18.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.98 19.98 19.98 19.98 19.98 19.98 14.98 14.98 14.98 14.98 14.98 14.98 17.99 17.99 17.99 17.99 17.99 17.98	scaling 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.017 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.23% 100.23%	Measured 0.044 0.107 0.183 0.239 0.108 0.106 0.195 0.195 0.175 0.006 0.114 0.455 0.329 0.002 0.216 0.587	Reported 0.047 0.118 0.196 0.256 0.110 0.001 0.199 0.179 0.006 0.120 0.477 0.345 0.002 0.227 0.817	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11n (40M) 5.2G WLAN 802.11a 5.3G	Back Surface Top Edge Top Edge Top Edge Right Edge Back Surface Back Surface Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 6 46 46 46 46 60 60 60 60 60 60 144 144	(MHz) 2437 2412 2437 2447 2437 2437 2237 5230 5230 5230 5300 5300 5300 5300 5300 5300 5300 5300 5720 5720	Power + Max Tolerance (dBm) 2000 19:50 20:00 19:50 20:00 15:00 15:00 15:00 15:00 16:00 16:00 18:00 18:00 18:00 18:00 18:00 18:00 18:00	Avg. Power (dBm) 19.98 19.98 19.98 19.98 19.98 19.98 14.98 14.98 14.98 14.98 14.98 14.98 17.99 17.99 17.99 17.99 17.99 17.98 17.98	scaling 1.066 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.017 1.047 1.047 1.047 1.047 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.46%	Measured 0.044 0.107 0.183 0.239 0.108 0.108 0.106 0.116 0.116 0.116 0.116 0.116 0.116 0.026 0.229 0.022 0.216 0.587 0.296	Reported 0.047 0.118 0.256 0.001 0.108 0.199 0.179 0.179 0.006 0.006 0.120 0.477 0.345 0.002 0.227 0.617 0.311	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11b (40M) 5.2G WLAN 802.11a S.3G WLAN 802.11a	Back Surface Top Edge Top Edge Top Edge Left Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 4 4 6 4 6 6 6 6 6 0 60 60 60 60 144 144 144	(MHz) 2437 2412 2437 2437 2437 2437 2437 2530 5230 5230 5230 5230 5300 5300 5300 5300 5300 5300 5720 5720	Power + Max Tolerance (dBm) 20.00 19.50 20.00 20.00 20.00 15.00 15.00 15.00 15.00 15.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.36 19.98 19.98 19.98 19.98 14.99 14.99 14.99 14.99 14.99 17.99 17.99 17.99 17.99 17.99 17.99 17.98	scaling 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.017 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.46%	Measured 0.044 0.107 0.183 0.239 0.108 0.001 0.105 0.175 0.006 0.114 0.455 0.329 0.216 0.567 0.296 0.003	Reported 0.047 0.118 0.196 0.226 0.116 0.001 0.199 0.199 0.199 0.199 0.199 0.190 0.120 0.477 0.445 0.045 0.045 0.045 0.045 0.045 0.001 0.196 0.197 0.198 0.199 0.199 0.199 0.199 0.199 0.199 0.192 0.193 0.192 0.005 0.192 0.005 0.192 0.005 0.192 0.005 0.192 0.005 0.012 0.005 0.047 0.035 0.045 0.035 0.045 0.005 0.035 0.045 0.005 0.035 0.035 0.005 0.035	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11b (40M) 5.2G WLAN 802.11a S.3G WLAN 802.11a	Back Surface Top Edge Top Edge Top Edge Back Surface Top Edge Back Surface Top Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 46 46 46 46 60 60 60 60 60 60 144 144 144 144 165	(MHz) 2437 2412 2437 2437 2437 2230 5230 5230 5300 5300 5300 5300 5300 5300 5720 5720 5720 5720	Power + Max Tolerance (dBm) 20.00 19.50 20.00 19.50 20.00 15.00 15.00 15.00 15.00 15.00 15.00 16.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.36 19.36 19.98 19.98 19.98 19.98 14.98 14.98 14.98 14.98 14.98 14.98 17.99 17.99 17.99 17.99 17.99 17.98 17.98 17.98 17.98	scaling 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.23%	Measured 0.044 0.107 0.183 0.239 0.108 0.108 0.106 0.195 0.106 0.115 0.006 0.114 0.455 0.022 0.226 0.226 0.255	Reported 0.047 0.118 0.256 0.106 0.108 0.199 0.108 0.199 0.179 0.006 0.120 0.477 0.045 0.002 0.427 0.617 0.311 0.033 0.268	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11b (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Back Surface Top Edge Top Edge Top Edge Left Edge Back Surface Back Surface Dop Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 4 4 6 4 6 6 6 0 60 60 60 60 60 144 144 144 144 145 149	(MHz) 2437 2412 2437 2437 2462 2437 5230 5230 5230 5230 5300 5300 5300 5300 5300 5300 5300 5300 5720 5720 5720 5720 5720 5720	Power + Max Tolerance (dBm) 20.00 19.50 20.00 20.00 15.00 15.00 15.00 15.00 15.00 15.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.98 19.98 19.98 19.98 19.98 19.98 14.99 14.99 14.99 14.99 14.99 14.99 14.99 14.99 14.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99	scaling 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.017 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.23% 100.23% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.46% 100.46% 100.46% 100.23% 100.46% 100.46% 100.23% 100.23% 100.46% 100.46% 100.23% 100.46% 100.23% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.46% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.46% 100.23% 100.25% 100.25% 100.25% 100.25% 100.25% 100.25% 100.25% 100.25% 100.25% 100	Measured 0.044 0.107 0.103 0.239 0.108 0.001 0.105 0.106 0.195 0.175 0.006 0.114 0.455 0.329 0.022 0.216 0.587 0.256 0.567	Reported 0.047 0.118 0.196 0.256 0.116 0.001 0.199 0.179 0.006 0.120 0.477 0.345 0.002 0.227 0.617 0.311 0.003 0.268 0.619	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11b (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Back Surface Top Edge Top Edge Top Edge Left Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Data Surface Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 46 46 46 46 60 60 60 60 60 144 144 144 144 145 149 157	(MHz) 2437 2412 2437 2447 2437 2437 2437 5230 5230 5230 5300 5300 5300 5300 5720 5720 5720 5720 5720 5725	Power + Max Tolerance (dBm) 20.00 19.50 20.00 19.50 20.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 16.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.36 19.36 19.48 19.98 19.98 14.98 14.98 14.98 14.98 14.98 14.98 14.98 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.98 17.98 17.98 17.98 17.99 17.99 17.99 17.99	scaling 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.017 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.23% 100.23% 100.46% 100.23% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.46% 100.23% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%100.23% 100.23% 100.23%100.23% 100.23% 100.23%100.23% 100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.23% 100.23%100.25%100.25% 100.25%10% 100.25%10.25% 100.25%10% 100.25%10% 100.25%10% 100.	Measured 0.044 0.107 0.183 0.239 0.108 0.108 0.105 0.1195 0.105 0.1195 0.006 0.1195 0.006 0.1195 0.006 0.216 0.250 0.022 0.022 0.022 0.022 0.022 0.022 0.025 0.025 0.025 0.255 0.567 0.590	Reported 0.047 0.118 0.256 0.106 0.108 0.199 0.109 0.109 0.179 0.006 0.120 0.477 0.345 0.022 0.617 0.311 0.003 0.268 0.619 0.623	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11b (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Back Surface Top Edge Top Edge Top Edge Top Edge Back Surface Back Surface Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Top Edge Top Edge Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 4 4 6 4 6 6 6 0 60 60 60 60 60 60 60	(MHz) 2437 2412 2437 2437 2462 2437 5230 5230 5300 5720 5745	Power + Max Tolerance (dBm) 20.00 19.50 20.00 19.50 20.00 15.00 15.00 15.00 15.00 15.00 15.00 16.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.98 19.98 19.98 19.98 19.98 14.98 14.99 14.99 14.99 14.99 14.99 14.99 14.99 14.99 14.99 17.99 17.99 17.99 17.99 17.98 17.98 17.98 17.98 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.99	scaling 1.066 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.017 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.23% 100.23% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.35% 100.35% 100	Measured 0.044 0.107 0.183 0.239 0.108 0.001 0.105 0.195 0.175 0.006 0.175 0.006 0.114 0.455 0.329 0.022 0.216 0.587 0.2265 0.567 0.567 0.567 0.567	Reported 0.047 0.118 0.196 0.256 0.001 0.199 0.199 0.199 0.199 0.199 0.120 0.477 0.345 0.002 0.227 0.311 0.001 0.311 0.268 0.623 0.676	- - - - - - - - - - - - - - - - - - -
WLAN 802.11b WLAN 802.11b (40M) 5.2G WLAN 802.11a 5.3G WLAN 802.11a 5.6G	Back Surface Top Edge Top Edge Top Edge Left Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Data Surface Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	6 1 6 46 46 46 46 60 60 60 60 60 144 144 144 144 145 149 157	(MHz) 2437 2412 2437 2447 2437 2437 2437 5230 5230 5230 5300 5300 5300 5300 5720 5720 5720 5720 5720 5725	Power + Max Tolerance (dBm) 20.00 19.50 20.00 19.50 20.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 16.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00 18.00	Avg. Power (dBm) 19.98 19.36 19.36 19.48 19.98 19.98 14.98 14.98 14.98 14.98 14.98 14.98 14.98 17.99 17.99 17.99 17.99 17.99 17.99 17.99 17.98 17.98 17.98 17.98 17.99 17.98 17.99	scaling 1.066 1.066 1.066 1.066 1.066 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.016 1.017 1.047	scaling 100.46% 103.28% 100.46% 100.46% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.23% 100.23% 100.46% 100.23% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.46% 100.46% 100.46% 100.46% 100.23% 100.23% 100.46% 100.23% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%100.23% 100.23% 100.23%100.23% 100.23% 100.23%100.23% 100.23% 100.23%100.23% 100.23% 100.23%100.23%100.23% 100.23%100.23%100.23%100.23%100.23%100.25	Measured 0.044 0.107 0.183 0.239 0.108 0.108 0.105 0.1195 0.105 0.1195 0.006 0.1195 0.006 0.1195 0.006 0.216 0.250 0.022 0.022 0.022 0.022 0.022 0.022 0.025 0.025 0.0567 0.590	Reported 0.047 0.118 0.256 0.106 0.108 0.199 0.109 0.109 0.179 0.006 0.120 0.477 0.345 0.022 0.617 0.311 0.003 0.268 0.619 0.623	- - - - - - - - - - - - - - - - - - -

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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. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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WIFI 6E

Tablet mode

Vendor 1 Ty1

Mode	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	Rover 1g (W/kg)	Estimated APD	D
Mode	Position	(mm)	Ch	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	mW/cm^2 (4cm^2)	D
U-NII-5	Back Surface	0	15	6025	9.00	8.80	1.047	104.71%	0.017	0.019	0.0134	-
6.2GHz	Top Edge	0	15	6025	9.00	8.80	1.047	104.71%	0.119	0.130	0.0913	023
802.11ax	Top Edge	0	79	6345	9.00	8.75	1.047	105.93%	0.097	0.108	0.0743	-
(160M)	Left Edge	0	15	6025	9.00	8.80	1.047	104.71%	0.006	0.007	0.00457	-
, ,	Right Edge	0	15	6025	9.00	8.80	1.047	104.71%	0.038	0.042	0.0326	-
U-NII-6	Back Surface	0	111	6505	9.00	8.94	1.047	101.39%	0.014	0.015	0.0118	
6.5GHz	Top Edge	0	111	6505	9.00	8.94	1.047	101.39%	0.117	0.124	0.0926	024
802.11ax	Left Edge	0	111	6505	9.00	8.94	1.047	101.39%	0.005	0.006	0.00389	-
(160M)	Right Edge	0	111	6505	9.00	8.94	1.047	101.39%	0.036	0.039	0.0297	-
U-NII-7	Back Surface	0	175	6825	9.00	8.90	1.047	102.33%	0.027	0.029	0.00435	-
6.7GHz	Top Edge	0	175	6825	9.00	8.90	1.047	102.33%	0.067	0.072	0.0586	025
802.11ax	Left Edge	0	175	6825	9.00	8.90	1.047	102.33%	0.004	0.005	0.00318	-
(160M)	Right Edge	0	175	6825	9.00	8.90	1.047	102.33%	0.023	0.025	0.0207	-
U-NII-8	Back Surface	0	207	6985	9.00	8.84	1.066	103.75%	0.028	0.031	0.00236	-
7.0GHz	Top Edge	0	207	6985	9.00	8.84	1.066	103.75%	0.038	0.042	0.0302	026
802.11ax	Left Edge	0	207	6985	9.00	8.84	1.066	103.75%	0.001	0.001	0.000784	
(160M) Tx2	Right Edge	0	207	6985	9.00	8.84	1.066	103.75%	0.010	0.012	0.0783	-
Mode					Max. Rated Avg.	Measured			Averaged SAR		Estimated	
would	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max.	Avg. Power	Duty cycle scaling	Power scaling			APD mW/cm^2	ID
Mode				(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	APD mW/cm ² (4cm ²)	ID
	Back Surface	(mm) 0	47	(MHz) 6185	Power + Max Tolerance (dBm) 9.00	Avg. Power (dBm) 8.99	scaling 1.047	scaling 100.23%	Measured 0.018	Reported 0.019	APD mW/cm^2 (4cm^2) 0.0147	
U-NII-5	Back Surface Top Edge	(mm) 0 0	47	(MHz) 6185 6025	Power + Max. Tolerance (dBm) 9.00 9.00	Avg. Power (dBm) 8.99 8.97	scaling 1.047 1.047	scaling 100.23% 100.69%	Measured 0.018 0.119	Reported 0.019 0.125	APD mW/cm^2 (4cm^2) 0.0147 0.0974	D
U-NII-5 6.2GHz	Back Surface Top Edge Top Edge	(mm) 0 0 0	47 15 47	(MHz) 6185 6025 6185	Power + Max. Tolerance (dBm) 9.00 9.00 9.00	Avg. Power (dBm) 8.99 8.97 8.99	scaling 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23%	Measured 0.018 0.119 0.105	Reported 0.019 0.125 0.110	APD mW/cm^2 (4cm^2) 0.0147 0.0974 0.0863	
U-NII-5 6.2GHz 802.11ax	Back Surface Top Edge Top Edge Left Edge	(mm) 0 0 0 0	47 15 47 47	(MHz) 6185 6025 6185 6185	Power + Max. Tolerance (dBm) 9.00 9.00 9.00 9.00	Avg. Power (dBm) 8.99 8.97 8.99 8.99	1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23%	Measured 0.018 0.119 0.105 0.033	Reported 0.019 0.125 0.110 0.035	APD mW/cm^2 (4cm^2) 0.0147 0.0974 0.0863 0.0267	
U-NII-5 6.2GHz 802.11ax (160M)	Back Surface Top Edge Top Edge Left Edge Right Edge	(mm) 0 0 0 0 0	47 15 47 47 47	(MHz) 6185 6025 6185 6185 6185	Power + Max. Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99	1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23%	Measured 0.018 0.119 0.105 0.033 0.012	Reported 0.019 0.125 0.110 0.035 0.013	APD mW/cm^2 (4cm^2) 0.0147 0.0974 0.0863 0.0267 0.00946	027
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface	(mm) 0 0 0 0 0 0	47 15 47 47 47 47 111	(MHz) 6185 6025 6185 6185 6185 6185 6505	Power + Max. Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99 8.75	1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 100.23%	Measured 0.018 0.119 0.105 0.033 0.012 0.049	Reported 0.019 0.125 0.110 0.035 0.013 0.054	APD mW/cm^2 (4cm^2) 0.0147 0.0863 0.0267 0.00946 0.00743	- 027
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge	(mm) 0 0 0 0 0 0 0 0	47 15 47 47 47 111 111	(MHz) 6185 6125 6185 6185 6185 6185 6505 6505	Power + Max. Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99 8.75 8.75	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 105.93%	Measured 0.018 0.119 0.105 0.033 0.012 0.049 0.094	Reported 0.019 0.125 0.110 0.035 0.013 0.054 0.104	APD mW/cm ² 2 (4cm ² 2) 0.0147 0.0863 0.0267 0.00946 0.00743 0.0768	027
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax	Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 47 111 111 111	(MHz) 6185 6025 6185 6185 6185 6185 6505 6505 6505	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99 8.75 8.75 8.75	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 105.93% 105.93%	Measured 0.018 0.119 0.105 0.033 0.012 0.049 0.094 0.021	Reported 0.019 0.125 0.110 0.035 0.013 0.054 0.104 0.024	APD mW/cm*2 (4cm*2) 0.0147 0.0863 0.0267 0.00946 0.00743 0.00768 0.0174	- 027
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M)	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111	(MHz) 6185 6025 6185 6185 6185 6505 6505 6505 6505	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.99 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.75	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93%	Measured 0.018 0.119 0.005 0.033 0.012 0.049 0.094 0.021 0.005	Reported 0.019 0.125 0.110 0.035 0.013 0.054 0.104 0.024	APD mW/cm*2 (4cm*2) 0.0147 0.0863 0.0267 0.00946 0.00743 0.00768 0.0174 0.00321	- 027 - - - 028
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Right Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 111 143	(MHz) 6185 6025 6185 6185 6185 6505 6505 6505 6505 6505 6505	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.75 8.75 8.75	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93% 105.93%	Measured 0.018 0.119 0.105 0.033 0.012 0.049 0.021 0.005	Reported 0.019 0.125 0.110 0.035 0.013 0.054 0.004 0.005	APD mW/cm*2 (4cm*2) 0.0147 0.0974 0.0267 0.00946 0.00743 0.0768 0.0174 0.00321 0.0035	- 027 - - - - 028 - - -
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Right Edge Right Edge Back Surface Top Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143	(MHz) 6185 6025 6185 6185 6505 6505 6505 6505 6505 6665 6665	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93% 105.93% 105.44%	Measured 0.018 0.119 0.105 0.0033 0.012 0.049 0.021 0.005 0.046	Reported 0.019 0.125 0.110 0.035 0.013 0.054 0.014 0.024 0.005 0.051 0.092	APD mW/cm*2 (4cm*2) 0.0147 0.0874 0.0267 0.00946 0.00743 0.07743 0.07743 0.00743 0.0174 0.00321 0.00635 0.0671	- 027 - - - 028
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz 802.11ax	Back Surface Top Edge Top Edge Left Edge Back Surface Back Surface Right Edge Right Edge Right Edge Back Surface Top Edge Left Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143	(MHz) 6185 6025 6185 6185 6505 6505 6505 6505 6605 6665 6665	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93% 105.44% 105.44%	Measured 0.018 0.119 0.005 0.033 0.012 0.094 0.021 0.046 0.083 0.025	Reported 0.019 0.125 0.110 0.035 0.013 0.054 0.024 0.005 0.051 0.092 0.027	APD mWicm*2 (4cm*2) 0.0147 0.0874 0.0267 0.00946 0.00743 0.00743 0.0078 0.0174 0.00321 0.00635 0.0671 0.0207	- 027 - - - - 028 - - -
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz 802.11ax (160M)	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143 143 143	(MH2) 6185 6025 6185 6185 6505 6505 6505 6505 6605 6665 6665 66	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93% 105.44% 105.44% 105.44%	Measured 0.018 0.119 0.105 0.033 0.049 0.024 0.024 0.005 0.046 0.083 0.025 0.003	Reported 0.019 0.125 0.110 0.035 0.013 0.054 0.004 0.005 0.051 0.027 0.027 0.003	APD mWkcm*2 (4cm*2) 0.0974 0.0863 0.0267 0.00948 0.00743 0.00768 0.01764 0.00321 0.00635 0.0661 0.0207 0.00248	- 027 - - - 028 - - - 028 - - 029
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz 802.11ax (160M) U-NII-8	Back Surface Top Edge Top Edge Left Edge Back Surface Right Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Right Edge Right Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143 143 143 207	(MHz) 6185 6025 6185 6185 6505 6505 6505 6505 6605 6665 6665 66	Power + Max Tolerance (dBm) 9.00	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.68% 100.23% 100.23% 100.23% 105.93% 105.93% 105.93% 105.43% 105.44% 105.44% 105.44% 105.44% 105.44%	Measured 0.018 0.119 0.105 0.033 0.012 0.049 0.021 0.005 0.063 0.025 0.003	Reported 0.019 0.125 0.110 0.035 0.013 0.054 0.014 0.024 0.005 0.051 0.052 0.027 0.003 0.063	APD mWkcm*2 (4cm*2) 0.0147 0.0863 0.0267 0.00946 0.00743 0.00783 0.00783 0.00783 0.00781 0.00635 0.0671 0.0207 0.00248 0.00248	- 027 - 028 - - - - - - - - - - - - -
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz 802.11ax (160M) U-NII-8 7.0GHz	Back Surface Top Edge Top Edge Right Edge Back Surface Top Edge Left Edge Back Surface Back Surface Back Surface Left Edge Back Surface Back Surface Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143 143 143 143 207 207	(MHz) 6185 6025 6185 6185 6505 6505 6505 6505 6605 6665 6665 66	Power + Max Tolerance (dBm) 9:00 9:00 9:00 9:00 9:00 9:00 9:00 9:0	Avg. Power (dBm) 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.046 1.066 1.066 1.066 1.066 1.066 1.067 1.066 1.066 1.066 1.067 1.066 1.066 1.067 1.066 1.066 1.066 1.067 1.066	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 105.93% 105.93% 105.93% 105.44% 105.44% 105.44% 105.44% 107.65%	Measured 0.018 0.119 0.105 0.033 0.012 0.049 0.021 0.046 0.028 0.028 0.003 0.055 0.064 0.055 0.094	Reported 0.019 0.125 0.110 0.035 0.035 0.035 0.054 0.051 0.051 0.052 0.063 0.063 0.063 0.063 0.063	APD mWicm*2 (4cm*2) 0.0147 0.0863 0.0267 0.00946 0.00743 0.07743 0.00758 0.0174 0.00352 0.00635 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0207 0.0055 0.0207 0.0055 0.0207 0.0055 0	- 027 - - - 028 - - - 028 - - 029
U-NII-5 6.2.GHz 802.11ax (160M) U-NII-6 6.5.GHz 802.11ax (160M) U-NII-7 802.11ax (160M) U-NII-8	Back Surface Top Edge Top Edge Left Edge Back Surface Right Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Right Edge Right Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143 143 143 207	(MHz) 6185 6025 6185 6185 6505 6505 6505 6505 6605 6665 6665 66	Power + Max Tolerance (dBm) 9.00	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.68% 100.23% 100.23% 100.23% 105.93% 105.93% 105.93% 105.43% 105.44% 105.44% 105.44% 105.44% 105.44%	Measured 0.018 0.119 0.105 0.033 0.012 0.049 0.021 0.005 0.063 0.025 0.003	Reported 0.019 0.125 0.110 0.035 0.013 0.054 0.014 0.024 0.005 0.051 0.052 0.027 0.003 0.063	APD mWkcm*2 (4cm*2) 0.0147 0.0863 0.0267 0.00946 0.00743 0.00783 0.00783 0.00783 0.00781 0.00635 0.0671 0.0207 0.00248 0.00248	- 027 - 028 - - - - - - - - - - - - -

Vendor 2

Mode	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	Rover 1g (W/kg)	Estimated APD	D
Mode	Position	(mm)	CH	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	mW/cm^2 (4cm^2)	D
U-NII-5	Back Surface	0	15	6025	9.00	8.80	1.047	104.71%	0.021	0.023	0.0167	-
6.2GHz	Top Edge	0	15	6025	9.00	8.80	1.047	104.71%	0.076	0.083	0.0601	031
802.11ax	Top Edge	0	79	6345	9.00	8.75	1.047	105.93%	0.069	0.077	0.0488	-
(160M)	Left Edge	0	15	6025	9.00	8.80	1.047	104.71%	0.006	0.007	0.00486	
, ,	Right Edge	0	15	6025	9.00	8.80	1.047	104.71%	0.037	0.041	0.0335	-
U-NII-6	Back Surface	0	111	6505	9.00	8.94	1.047	101.39%	0.028	0.029	0.0241	-
6.5GHz	Top Edge	0	111	6505	9.00	8.94	1.047	101.39%	0.102	0.108	0.0763	032
802.11ax	Left Edge	0	111	6505	9.00	8.94	1.047	101.39%	0.011	0.011	0.00876	
(160M)	Right Edge	0	111	6505	9.00	8.94	1.047	101.39%	0.035	0.037	0.0286	
U-NII-7	Back Surface	0	175	6825	9.00	8.90	1.047	102.33%	0.023	0.024	0.0161	-
6.7GHz	Top Edge	0	175	6825	9.00	8.90	1.047	102.33%	0.083	0.089	0.065	033
802.11ax	Left Edge	0	175	6825	9.00	8.90	1.047	102.33%	0.008	0.008	0.00632	
(160M)	Right Edge	0	175	6825	9.00	8.90	1.047	102.33%	0.042	0.045	0.0337	
U-NII-8	Back Surface	0	207	6985	9.00	8.84	1.066	103.75%	0.018	0.020	0.0164	
7.0GHz	Top Edge	0	207	6985	9.00	8.84	1.066	103.75%	0.057	0.063	0.0422	034
802.11ax	Left Edge	0	207	6985	9.00	8.84	1.066	103.75%	0.004	0.005	0.00316	
(160M)	Right Edge	0	207	6985	9.00	8.84	1.066	103.75%	0.024	0.026	0.0195	-
									1			
Mada	Desition	Distance	CH	Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	R over 1g (W/kg)	Estimated APD	n
Mode	Position	Distance (mm)	СН	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR	R over 1g (W/kg) Reported		D
	Back Surface		47	(MHz) 6185	Power + Max Tolerance (dBm) 9.00	Avg. Power (dBm) 8.99	scaling 1.047	scaling 100.23%	Measured 0.018	Reported 0.019	APD mW/cm^2 (4cm^2) 0.0144	-
U-NII-5	Back Surface Top Edge	(mm) 0 0	47	(MHz) 6185 6025	Power + Max Tolerance (dBm) 9.00 9.00	Avg. Power (dBm) 8.99 8.97	scaling 1.047 1.047	scaling 100.23% 100.69%	Measured 0.018 0.095	Reported 0.019 0.100	APD mW/cm^2 (4cm^2) 0.0144 0.0557	
U-NII-5 6.2GHz	Back Surface	(mm) 0	47 15 47	(MHz) 6185 6025 6185	Power + Max. Tolerance (dBm) 9.00 9.00 9.00	Avg. Power (dBm) 8.99 8.97 8.99	scaling 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23%	Measured 0.018 0.095 0.066	Reported 0.019 0.100 0.069	APD mW/cm^2 (4cm^2) 0.0144 0.0557 0.039	-
U-NII-5 6.2GHz 802.11ax	Back Surface Top Edge Top Edge Left Edge	(mm) 0 0	47 15 47 47	(MHz) 6185 6025 6185 6185	Power + Max. Tolerance (dBm) 9.00 9.00 9.00 9.00	Avg. Power (dBm) 8.99 8.97 8.99 8.99	1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23%	Measured 0.018 0.095 0.066 0.023	Reported 0.019 0.100 0.069 0.024	APD mW/cm^2 (4cm^2) 0.0144 0.0557 0.039 0.0181	
U-NII-5 6.2GHz 802.11ax (160M)	Back Surface Top Edge Top Edge Left Edge Right Edge	(mm) 0 0 0 0 0	47 15 47 47 47	(MHz) 6185 6025 6185 6185 6185	Power + Max. Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99	1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23%	Measured 0.018 0.095 0.066 0.023 0.009	Reported 0.019 0.100 0.069 0.024 0.009	APD mW/cm*2 (4cm*2) 0.0144 0.0557 0.039 0.0181 0.00718	035
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface	(mm) 0 0 0 0 0 0	47 15 47 47 47 111	(MHz) 6185 6025 6185 6185 6185 6185 6185	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99 8.75	1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 105.93%	Measured 0.018 0.095 0.066 0.023 0.009 0.016	Reported 0.019 0.100 0.069 0.024 0.009 0.017	APD mW/cm^2 (4cm*2) 0.0144 0.0557 0.039 0.0181 0.00718 0.0129	- 035
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge	(mm) 0 0 0 0 0	47 15 47 47 47 111 111	(MHz) 6185 6025 6185 6185 6185 6505 6505	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99 8.75 8.75	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 105.93%	Measured 0.018 0.095 0.066 0.023 0.009 0.016 0.062	Reported 0.019 0.100 0.069 0.024 0.009 0.017 0.069	APD mW/cm^2 (4cm*2) 0.0144 0.0557 0.039 0.0181 0.00718 0.0129 0.0346	- 035
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge	(mm) 0 0 0 0 0 0 0 0 0 0	47 15 47 47 47 111 111 111	(MHz) 6185 6125 6185 6185 6185 6505 6505 6505	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99 8.75 8.75 8.75	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 100.23% 105.93% 105.93%	Measured 0.018 0.095 0.066 0.023 0.009 0.016 0.062 0.021	Reported 0.019 0.100 0.069 0.024 0.009 0.017 0.069 0.023	APD mW/cm*2 (4cm*2) 0.0144 0.0557 0.039 0.0181 0.00718 0.0129 0.0346 0.0168	- 035
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge	(mm) 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111	(MHz) 6185 6025 6185 6185 6505 6505 6505 6505 6505	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.97 8.99 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93%	Measured 0.018 0.095 0.066 0.023 0.009 0.016 0.062	Reported 0.019 0.100 0.069 0.024 0.009 0.017 0.069 0.023	APD mW/cm^2 (4cm/2) 0.0144 0.0557 0.039 0.0181 0.00718 0.00718 0.0184 0.0168 0.0168	- 035 - - - - - 036
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Left Edge Right Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 111 143	(MHz) 6185 6025 6185 6185 6185 6505 6505 6505 6505 6505 6505 6505 65	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.75 8.75 8.75	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93% 105.93%	Measured 0.018 0.095 0.066 0.023 0.009 0.016 0.062 0.021 0.006 0.022	Reported 0.019 0.100 0.069 0.024 0.009 0.017 0.069 0.023 0.006 0.028	APD mW/cm*2 (4cm*2) 0.0144 0.0557 0.039 0.0181 0.00718 0.0129 0.0346 0.0168 0.00457 0.0204	- 035 - - - - 036 - - - -
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Back Surface Top Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 111 111 143	(MH2) 6185 6025 6185 6185 6185 6505 6505 6505 6505 6505 6505 6505 6665	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93% 105.93% 105.44%	Measured 0.018 0.095 0.066 0.003 0.016 0.062 0.021 0.006 0.026 0.102	Reported 0.019 0.009 0.024 0.009 0.017 0.069 0.023 0.006 0.023 0.006 0.028 0.113	APD mW/cm^2 (4cm/2) 0.0144 0.0557 0.039 0.0181 0.00718 0.00718 0.0129 0.0346 0.0168 0.00457 0.0204 0.0595	
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7	Back Surface Top Edge Top Edge Left Edge Back Surface Back Surface Right Edge Right Edge Back Surface Top Edge Left Edge Top Edge Left Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143 143	(MH2) 6185 6025 6185 6185 6505 6505 6505 6505 6505 66505 6665 6665 6665	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93% 105.93% 105.44% 105.44%	Measured 0.018 0.095 0.066 0.023 0.009 0.016 0.062 0.021 0.006 0.026 0.102 0.037	Reported 0.019 0.100 0.069 0.024 0.009 0.017 0.069 0.023 0.006 0.028 0.113 0.041	APD mW/cm*2 (4cm*2) 0.0144 0.0557 0.039 0.0129 0.0346 0.0129 0.0346 0.00457 0.0204 0.0595 0.0298	- 035 - - - - 036 - - - -
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz 802.11ax (160M)	Back Surface Top Edge Top Edge Left Edge Right Edge Back Surface Top Edge Back Surface Top Edge Back Surface	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143 143 143	(MH2) 6185 6025 6185 6185 6505 6505 6505 6605 6605 6665 6665	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93% 105.44% 105.44% 105.44%	Measured 0.018 0.095 0.066 0.023 0.016 0.021 0.021 0.026 0.026 0.102 0.037 0.011	Reported 0.019 0.100 0.069 0.017 0.069 0.023 0.006 0.023 0.002 0.113 0.041 0.041	APD mWkm*2 (4cm*2) 0.0144 0.0557 0.039 0.0181 0.00718 0.0129 0.0346 0.0168 0.00457 0.0204 0.0204 0.0295 0.0295 0.0295	035
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz 802.11ax (160M) U-NII-8	Back Surface Top Edge Top Edge Left Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Right Edge Right Edge Right Edge Right Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143 143 143 207	(MH2) 6185 6025 6185 6185 6505 6505 6505 6505 6665 6665 6665 66	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.66% 100.23% 100.23% 100.23% 105.93% 105.93% 105.93% 105.43% 105.44% 105.44% 105.44% 105.44% 105.44% 105.64%	Measured 0.018 0.095 0.066 0.023 0.009 0.062 0.021 0.006 0.026 0.021 0.006 0.026 0.026 0.027 0.037 0.011 0.015	Reported 0.019 0.0100 0.069 0.024 0.009 0.023 0.0069 0.023 0.006 0.028 0.113 0.012 0.012 0.013 0.014 0.012 0.017	APD mWkcm*2 (4cm*2) 0.0144 0.0557 0.039 0.0181 0.00718 0.00168 0.00457 0.0204 0.0595 0.0298 0.0298 0.0876 0.0116	- - - - - - - - - - - - - - - - - - -
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz 802.11ax (160M)	Back Surface Top Edge Top Edge Left Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Left Edge Left Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143 143 143	(MH2) 6185 6025 6185 6185 6505 6505 6505 6605 6605 6665 6665	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.69% 100.23% 100.23% 105.93% 105.93% 105.93% 105.44% 105.44% 105.44%	Measured 0.018 0.095 0.066 0.023 0.016 0.021 0.021 0.026 0.026 0.102 0.037 0.011	Reported 0.019 0.100 0.069 0.017 0.069 0.023 0.006 0.023 0.002 0.113 0.041 0.041	APD mWkm*2 (4cm*2) 0.0144 0.0557 0.039 0.0181 0.00718 0.0129 0.0346 0.0168 0.00457 0.0204 0.0204 0.0295 0.0295 0.0295	- - - - - - - - - - - - - - - - - - -
U-NII-5 6.2GHz 802.11ax (160M) U-NII-6 6.5GHz 802.11ax (160M) U-NII-7 6.7GHz 802.11ax (160M) U-NII-8	Back Surface Top Edge Top Edge Left Edge Back Surface Top Edge Left Edge Back Surface Top Edge Left Edge Right Edge Right Edge Right Edge Right Edge Right Edge	(mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	47 15 47 47 111 111 111 111 143 143 143 143 207	(MH2) 6185 6025 6185 6185 6505 6505 6505 6505 6665 6665 6665 66	Power + Max Tolerance (dBm) 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	Avg. Power (dBm) 8.99 8.97 8.99 8.99 8.75 8.75 8.75 8.75 8.75 8.77 8.77 8.77	scaling 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047 1.047	scaling 100.23% 100.66% 100.23% 100.23% 100.23% 105.93% 105.93% 105.93% 105.43% 105.44% 105.44% 105.44% 105.44% 105.44% 105.64%	Measured 0.018 0.095 0.066 0.023 0.009 0.062 0.021 0.006 0.026 0.021 0.006 0.026 0.026 0.027 0.037 0.011 0.015	Reported 0.019 0.0100 0.069 0.024 0.009 0.023 0.0069 0.023 0.006 0.028 0.113 0.012 0.012 0.013 0.014 0.012 0.017	APD mWkcm*2 (4cm*2) 0.0144 0.0557 0.039 0.0181 0.00718 0.00168 0.00457 0.0204 0.0595 0.0298 0.0298 0.0876 0.0116	

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Tablet mode

Vendor 1

Band	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
		(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11ac(160M) 5.9G	Back Surface	0	163	5815	18.00	17.55	1.04	110.92%	0.141	0.162	-
WLAN 802.11ac(160M) 5.9G	Top Edge	0	163	5815	18.00	17.55	1.04	110.92%	0.778	0.894	059
WLAN 802.11ac(160M) 5.9G	Left Edge	0	163	5815	18.00	17.55	1.04	110.92%	0.063	0.072	-
WLAN 802.11ac(160M) 5.9G	Right Edge	0	163	5815	18.00	17.55	1.04	110.92%	0.171	0.196	-
WLAN 802.11ac(160M) 5.9G*	Top Edge	0	163	5815	18.00	17.55	1.04	110.92%	0.763	0.877	-
Tx 2											
Band	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
		(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11ac(160M) 5.9G	Back Surface	0	163	5815	18.00	17.98	1.04	100.46%	0.273	0.284	-
WLAN 802.11ac(160M) 5.9G	Top Edge	0	163	5815	18.00	17.98	1.04	100.46%	1.010	1.051	060
WLAN 802.11ac(160M) 5.9G	Left Edge	0	163	5815	18.00	17.98	1.04	100.46%	0.424	0.441	-
WLAN 802.11ac(160M) 5.9G	Right Edge	0	163	5815	18.00	17.98	1.04	100.46%	0.048	0.050	-
WLAN 802.11ac(160M) 5.9G*	Top Edge	0	163	5815	18.00	17.98	1.04	100.46%	0.983	1.023	-

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

Vendor 2

14.1											
Band	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	ID
		(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scanng	Measured	Reported	
WLAN 802.11ac(160M) 5.9G	Back Surface	0	163	5815	18.00	17.55	1.04	110.92%	0.034	0.039	-
WLAN 802.11ac(160M) 5.9G	Top Edge	0	163	5815	18.00	17.55	1.04	110.92%	0.602	0.692	061
WLAN 802.11ac(160M) 5.9G	Left Edge	0	163	5815	18.00	17.55	1.04	110.92%	0.009	0.010	-
WLAN 802.11ac(160M) 5.9G	Right Edge	0	163	5815	18.00	17.55	1.04	110.92%	0.099	0.114	-
Tx 2											
Band	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
		(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11ac(160M) 5.9G	Back Surface	0	163	5815	18.00	17.98	1.04	100.46%	0.269	0.280	-
WLAN 802.11ac(160M) 5.9G	Top Edge	0	163	5815	18.00	17.98	1.04	100.46%	0.719	0.748	062
WLAN 802.11ac(160M) 5.9G	Left Edge	0	163	5815	18.00	17.98	1.04	100.46%	0.332	0.346	-
WLAN 802.11ac(160M) 5.9G	Right Edge	0	163	5815	18.00	17.98	1.04	100.46%	0.012	0.012	-

Note:

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

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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8.3 **Summary of PD Results**

Tablet mode

Vendor 1

Tx1

Mode					Max. Rated Avg.	Measured				PD result(4cm ²)				
	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (mW/cm^2)	Reported Total psPD (mW/cm^2)	Measured Normal psPD (mW/cm^2)	Reported Normal psPD (mW/cm^2)	ID
WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	15	6025	9.00	8.80	104.71%	1.047	1.55	0.055	0.093	0.052	0.089	039
WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	79	6345	9.00	8.75	105.93%	1.047	1.55	0.035	0.060	0.029	0.050	040
WLAN 6E 802.11ax(160M) U-NII-6	Top Edge	2	111	6505	9.00	8.94	101.39%	1.047	1.55	0.016	0.027	0.012	0.019	041
WLAN 6E 802.11ax(160M) U-NII-7	Top Edge	2	175	6825	9.00	8.90	102.33%	1.047	1.55	0.016	0.026	0.015	0.025	042
WLAN 6E 802.11ax(160M) U-NII-8	Top Edge	2	207	6985	9.00	8.84	103.75%	1.047	1.55	0.016	0.027	0.015	0.025	043

Tx2

Mode					Max. Rated Avg.	Measured				PD result(4cm ²)				
	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (mW/cm^2)	Reported Total psPD (mW/cm^2)	Measured Normal psPD (mW/cm^2)	Reported Normal psPD (mW/cm^2)	ID
WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	15	6025	9.00	8.97	100.69%	1.047	1.55	0.067	0.109	0.061	0.100	044
WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	47	6185	9.00	8.99	100.23%	1.047	1.55	0.052	0.084	0.049	0.079	045
WLAN 6E 802.11ax(160M) U-NII-6	Top Edge	2	111	6505	9.00	8.75	105.93%	1.047	1.55	0.028	0.048	0.027	0.046	046
WLAN 6E 802.11ax(160M) U-NII-7	Top Edge	2	143	6665	9.00	8.77	105.44%	1.047	1.55	0.019	0.032	0.018	0.030	047
WLAN 6E 802.11ax(160M) U-NII-8	Top Edge	2	207	6985	9.00	8.68	107.65%	1.047	1.55	0.032	0.056	0.027	0.047	048

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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Vendor 2

I X I														
			сн	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)		Duty cycle scaling		PD result(4cm ²)				
Mode	Position	Distance (mm)					Tune-up Scaling		Measurement uncertainty	Measured Total psPD (mW/cm^2)	Reported Total psPD (mW/cm^2)	Measured Normal psPD (mW/cm^2)	Reported Normal psPD (mW/cm^2)	ID
WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	15	6025	9.00	8.80	104.71%	1.047	1.55	0.019	0.032	0.013	0.023	049
WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	79	6345	9.00	8.75	105.93%	1.047	1.55	0.010	0.017	0.006	0.010	050
WLAN 6E 802.11ax(160M) U-NII-6	Top Edge	2	111	6505	9.00	8.94	101.39%	1.047	1.55	0.015	0.025	0.011	0.019	051
WLAN 6E 802.11ax(160M) U-NII-7	Top Edge	2	175	6825	9.00	8.90	102.33%	1.047	1.55	0.032	0.053	0.030	0.049	052
WLAN 6E 802.11ax(160M) U-NII-8	Top Edge	2	207	6985	9.00	8.84	103.75%	1.047	1.55	0.012	0.020	0.011	0.019	053
Tx2														
					Max. Rated Avg.	Measured				PD result(4cm^2)				
Mode	Position	Distance (mm)	СН	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (mW/cm^2)	Reported Total psPD (mW/cm^2)	Measured Normal psPD (mW/cm^2)	Reported Normal psPD (mW/cm^2)	ID
WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	15	6025	9.00	8.97	100.69%	1.047	1.55	0.036	0.059	0.032	0.052	054

WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	15	6025	9.00	8.97	100.69%	1.047	1.55	0.036	0.059	0.032	0.052	054
WLAN 6E 802.11ax(160M) U-NII-5	Top Edge	2	47	6185	9.00	8.99	100.23%	1.047	1.55	0.011	0.018	0.009	0.014	055
WLAN 6E 802.11ax(160M) U-NII-6	Top Edge	2	111	6505	9.00	8.75	105.93%	1.047	1.55	0.023	0.039	0.019	0.033	056
WLAN 6E 802.11ax(160M) U-NII-7	Top Edge	2	143	6665	9.00	8.77	105.44%	1.047	1.55	0.035	0.061	0.026	0.045	057
WLAN 6E 802.11ax(160M) U-NII-8	Top Edge	2	207	6985	9.00	8.68	107.65%	1.047	1.55	0.020	0.035	0.018	0.032	058
lote:						•								

No

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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SIMULTANEOUS TRANSMISSION ANALYSIS 9

9.1 Simultaneous Transmission Scenarios:

Simultaneous Transmit Configurations	Body
WLAN 2.4GHz Tx1 + WLAN 2.4GHz Tx2	Yes
WLAN 2.4GHz Tx1 + WLAN 6E Tx2	Yes
WLAN 2.4GHz Tx2 + WLAN 6E Tx1	Yes
WLAN 2.4GHz Tx1 + WLAN 5GHz Tx2	Yes
WLAN 2.4GHz Tx2 + WLAN 5GHz Tx1	Yes
WLAN 2.4GHz Tx1 + WLAN 2.4GHz Tx2 + WLAN 5GHz Tx1 + WLAN 5GHz Tx2	Yes
WLAN 2.4GHz Tx1 + WLAN 2.4GHz Tx2 + WLAN 6E Tx1 + WLAN 6E Tx2	Yes
WLAN 5GHz Tx1 + WLAN 5GHz Tx2	Yes
WLAN 5GHz Tx2 + BT	Yes
WLAN 5GHz Tx1 + WLAN 5GHz Tx2 + BT	Yes
WLAN 6E Tx1 + WLAN 6E Tx2	Yes
WLAN 6E Tx2 + BT	Yes
WLAN 6E Tx1 + WLAN 6E Tx2 + BT	Yes

Note:

1. Bluetooth and WLAN Tx1 share the same antenna path, and BT can transmit with WLAN Tx2 simultaneously.

2. For 2.4/5/6GHz WLAN Tx1 and Tx2 antennas, the maximum output power of each antenna during simultaneous transmission is the same with (or less than) that used in standalone transmission, and we used the sum of 1-g SAR provision in KDB447498D01 to exclude the simultaneous transmitted SAR measurement.

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

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

9.3 SPLSR evaluation and analysis

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

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

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

SAR1 and SAR2 are the highest reported or estimated SAR for each antenna in the pair, and 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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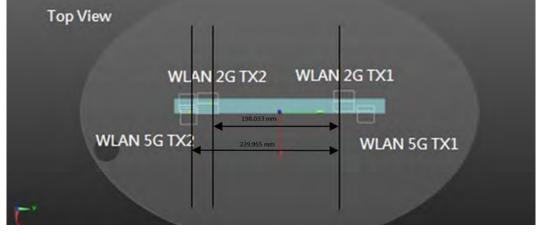
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Simultaneous Transmission Combination

Vendor 1

					FCC Reported SAR				Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	Scenario 9	Scenario 10	Scenario 11	Scenario 12	Scenario 13
		2	3	4	5	6	8	9	2+3	2+9	3+8	2+5	3+4	2+3+4+5	2+3+8+9	4+5	5+6	4+5+6	6+9	8+9	6+8+9
Exposure Pos	ition	2.4GHz WLAN TO 1	2.4GHz WLAN TX 2	5GHz WLAN Tx 1	5GHz WLAN Tx 2	Bluetooth Tx 1	6GHz WLAN Ant 1	6GHz WLAN Ant 2	Summed												
		1g SAR (Wikg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (Wikg)	1g SAR (Wikg)	1g SAR (W/kg)	1g SAR (Wikg)	1g SAR (W/kg)	1g SAR (Wikg)	1g SAR (W/kg)				
Back Surface	0	0.145	0.076	0.162	0.284	0.058	0.031	0.063	0.221	0.208	0.107	0.429	0.238	0.667	0.315	0.446	0.342	0.504	0.121	0.094	0.152
Top Edge	0	0.693	0.524	0.902	1.070	0.232	0.130	0.125	1.217	0.818	0.654	1.763	1.426	3.189	1.472	1.972	1.302	2.204	0.357	0.255	0.487
Right Edge	0	0.294	0.295	0.255	0.063	0.193	0.042	0.013	0.589	0.307	0.337	0.357	0.550	0.907	0.644	0.318	0.256	0.511	0.206	0.055	0.248
Left Edge	0	0.025	0.127	0.081	0.441	0.128	0.007	0.035	0.152	0.060	0.134	0.466	0.208	0.674	0.194	0.522	0.569	0.650	0.163	0.042	0.170

				Scenario 4	& 6				
Position	Conditions	SAR Value	Co	ordinates (m	ım)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
POSITION	Conditions	(W/kg)	x	у	z	(W/kg)	Separation Distance (mm)	SFLOR	Test
Top Edge	WLAN 2.4G Tx1	0.693	-13.00	96.00	-4.58	-	-	-	-
Top Euge	WLAN 5G Tx2	1.070	-10.80	-136.00	-4.83	1.763	232.01	0.010	SPLSR ≤ 0.04, Not required
Top Edgo	WLAN 2.4G Tx1+WLAN 5G Tx1	1.595	-13.00	96.00	-4.58	-	-	-	-
Top Edge	WLAN 2.4G Tx2+WLAN 5G Tx2	1.594	-9.40	-102.00	-5.13	3.189	198.03	0.029	SPLSR ≤ 0.04, Not required



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				Scenario 8	&10				
Position	Conditions	SAR Value	Co	oordinates (m	ım)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
1 0012011	Conditione	(W/kg)	х	У	Z	(W/kg)	Separation Distance (mm)	of Eor	Test
	WLAN 5G Tx2	1.070	-10.80	-136.00	-4.83	-	-	-	-
Top Edge	WLAN 5G Tx1	0.902	-1.00	127.80	-4.33	1.972	263.98	0.010	SPLSR ≤ 0.04, Not required
	WLAN 5G Tx1+BT	1.134	-11.80	94.00	-5.53	2.204	230.00	0.014	SPLSR ≤ 0.04, Not required
-	op Viwe WLAN		230,003 mm 263,982 mm		B	VLAN T	×1		

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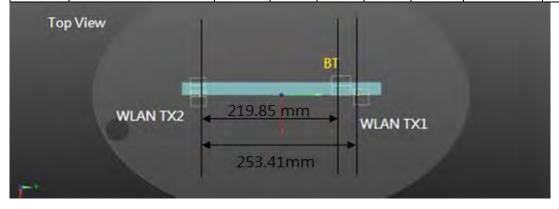
Vendor 2

					FCC Reported SAR	L .			Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7	Scenario 8	Scenario 9	Scenario 10	Scenario 11	Scenario 12	Scenario 13
		2	3	4	5	6	8	9	2+3	2+9	3+8	2+5	3+4	2+3+4+5	2+3+8+9	4+5	5+6	4+5+6	6+9	8+9	6+8+9
Exposure Po	sition	2.4GHz WLAN Tx 1	2.4GHz WLAN Tx 2	5GHz WLAN Tx 1	5GHz WLAN Tx 2	Bluetooth Tx 1	6GHz WLAN Ant 1	6GHz WLAN Ant 2	Summed												
		1g SAR (Wikg)	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 (Wikg)	1g SAR (W/kg)	1g SAR (Wikg)	1g SAR (Wikg)								
Back Surface	0	0.128	0.047	0.052	0.280	0.043	0.029	0.028	0.175	0.156	0.076	0.408	0.099	0.507	0.232	0.332	0.323	0.375	0.071	0.057	0.100
Top Edge	0	0.487	0.256	0.737	0.748	0.319	0.108	0.113	0.743	0.600	0.364	1.235	0.993	2.228	0.964	1.485	1.067	1.804	0.432	0.221	0.540
Right Edge	0	0.306	0.001	0.266	0.012	0.178	0.045	0.012	0.307	0.318	0.046	0.318	0.267	0.585	0.364	0.278	0.190	0.456	0.190	0.057	0.235
Left Edge	0	0.022	0.116	0.010	0.346	0.062	0.011	0.041	0.138	0.063	0.127	0.368	0.126	0.494	0.190	0.356	0.408	0.418	0.103	0.052	0.114

				Scenario	6				
Position	Conditions	SAR Value	Co	ordinates (m	nm)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
FOSIGOT	Conditions	(W/kg)	х	у	z	(W/kg)	Separation Distance (mm)	SFLOR	Test
Top Edge	WLAN 2.4G Tx1+WLAN 5G Tx1	1.224	-11.80	97.00	-4.95	-	-	-	-
Top Edge	WLAN 2.4G Tx2+WLAN 5G Tx2	1.004	-11.60	-102.80	-5.14	2.228	199.80	0.017	SPLSR ≤ 0.04, Not required



				Scenario	10				
Position	Conditions	SAR Value	Co	oordinates (c	;m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
POSILION	Conditions	(W/kg)	х	у	z	(W/kg)	Separation Distance (mm)	SFLOR	Test
	WLAN 5G Tx2	0.748	1.20	-128.80	-5.12	-	-	-	-
Top Edge	WLAN 5G Tx1	0.737	-1.00	124.60	-4.34	1.485	253.41	0.007	SPLSR ≤ 0.04, Not required
	WLAN 5G Tx1+BT	1.056	-12.80	90.60	-4.20	1.804	219.85	0.011	SPLSR ≤ 0.04, Not required



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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

Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration
	Dosimetric E-	EX3DV4	3770	Apr.28,2021	Apr.27,2022
SPEAG	Field Probe	LX3DV4	7466	Jan.29,2021	Jan.28,2022
	FIODE	EUmmWV4	9579	Oct.06,2021	Oct.05,2022
		D2450V2	727	Apr.14,2021	Apr.13,2022
	System	D5GHzV2	1023	Jan.26.2021	Jan.25.2022
SPEAG	Validation	D6.5GHzV2	1006	Aug.26,2021	Aug.25,2022
	Dipole	D7GHzV2	1007	Aug.26,2021	Aug.25,2022
		5G-Veri10	1021	Jan.18,2021	Jan.17,2022
SPEAG	Data acquisition	DAE4	856	Apr.23,2021	Apr.22,2022
SFEAG	Electronics	DAE4	1665	Mar.01,2021	Feb.28,2022
SPEAG	Software	DASY 52 V52.10.4	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI mmWave	N/A	Calibration not required	Calibration not required
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb.17,2021	Feb.16,2022
	Dual-	772D	MY46151242	Aug.16.2021	Aug.15.2022
Agilent	directional coupler	778D	MY48220468	Aug.16.2021	Aug.15.2022
Agilent	Signal Generator	N5181A	MY50141235	May.30,2021	May.29,2022
Agilent	Power Meter	E4417A	MY51410006	Mar.23,2021	Mar.22,2022
Agilant	Power		MY51470001	Mar.23,2021	Mar.22,2022
Agilent	Sensor	E9301H	MY51470002	Mar.23,2021	Mar.22,2022
TECPEL	Digital thermometer	DTM-303A	TP130074	Apr.26,2021	Apr.25,2022
R&S	Power		101974	Oct.12.2021	Oct.11.2022
Note: Instruments L	ist of the test i	report EN/20	21/C0030.		

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		Equi	pment List		
Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration
SPEAG	Data acquisition Electronics	DAE4	1260	Sep/22/2022	Sep/21/2023
SPEAG	Dosimetric E-Field Probe	EX3DV4	7509	Apr/26/2023	Apr/25/2024
SPEAG	System Validation Dipole	D5GHzV2	1349	Mar/20/2023	Mar/19/2024
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/27/2023	Feb/26/2024
R&S	MXG Analog Signal Generator	SMB100A03	182012	Jun/13/2022	Jun/12/2023
Agilent	Dual-directional coupler	772D	MY46151258	Oct/03/2022	Oct/02/2023
Agilent	Dual-directional coupler	778D	MY46151242	Aug/30/2022	Aug/29/2023
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
R&S	Power Meter	NRX	105651	Nov/25/2022	Nov/24/2023
R&S	Power Sensor	NRP6A	104246	Nov/22/2022	Nov/21/2023
R&S	Power Sensor	NRP6A	104247	Nov/22/2022	Nov/21/2023
SPEAG	Software	DASY 52 V52.10.4.152 7	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
TECPEL	Digital thermometer	DTM-303A	TP130074	Apr/28/2023	Apr/27/2024
Note: Instruments List of	the test report TESA2	305000314EN.			

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11 UNCERTAINTY BUDGET

A	с	D	е		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertaint	Probabili ty	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%	80
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	œ
lsotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	œ
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%	œ
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	œ
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	æ
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%	œ
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	œ
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	œ
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	œ
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	œ
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	œ
Probe Positioning with respect to phantom	2.90%	R	√3	1.732	1	1	1.67%	1.67%	œ
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	œ
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	œ
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%	œ
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	œ
Liquid permittivity (mea.)	3.42%	N	1	1	0.64	0.43	2.19%	1.47%	М
Liquid Conductivity (mea.)	2.02%	N	1	1	0.6	0.49	1.21%	0.99%	М
Combined standard uncertainty		RSS					11.98%	11.84%	
Expant uncertainty (95% confidence							23.96%	23.68%	

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

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A	с	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertaint	Probabili ty	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	Ν	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%	8
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%	8
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	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%	~
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	~
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	~
Liquid permittivity (mea.)	1.71%	N	1	1	0.64	0.43	1.09%	0.74%	М
Liquid Conductivity (mea.)	0.77%	Ν	1	1	0.6	0.49	0.46%	0.38%	М
Combined standard uncertainty		RSS					11.48%	11.44%	
Expant uncertainty (95% confidence							22.96%	22.88%	

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

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

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

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

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 th	ne measurement	system					
Probe calibration	0.49	N	1	1	1	0.49	90
Probe correction	0.00	R	√3	1.732	1	0.00	90
Frequency response (BW \leq 1GHz)	0.20	R	√3	1.732	1	0.12	80
Sensor cross coupling	0.00	R	√3	1.732	1	0.00	90
lsotropy	0.50	R	√3	1.732	1	0.29	90
Linearity	0.20	R	√3	1.732	1	0.12	90
Probe scattering	0.00	R	√3	1.732	1	0.00	00
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	œ
Sensor mechanical offset	0.00	R	√3	1.732	1	0.00	œ
Probe spatial resolution	0.00	R	√3	1.732	1	0.00	~~~~
Field impedance dependance	0.00	R	√3	1.732	1	0.00	00
Amplitude and phase drift	0.00	R	√3	1.732	1	0.00	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	œ
Sampling	0.00	R	√3	1	1	0.00	90
Field reconstruction	2.00	R	√3	1.732	1	1.15	œ
Forward transformation	0.00	R	√3	1.732	1	0.00	00
Power density scaling	-	R	√3	1.732	1	-	00
Spatial averaging	0.10	R	√3	1.732	1	0.06	00
System detection limit	0.04	R	√3	1.732	1	0.02	80
Uncertainty terms dependent on th	ne DUT and envir	onmental facto	ors				
Probe coupling with DUT	0.00	R	√3	1.732	1	0.00	00
Modulation response	0.40	R	√3	1.732	1	0.23	œ
Integration time	0.00	R	√3	1.732	1	0.00	00
Response time	0.00	R	√3	1.732	1	0.00	œ
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	œ
Ambient reflections	0.04	R	√3	1.732	1	0.02	œ
Immunity / secondary reception	0.00	R	√3	1.732	1	0.00	œ
Drift of the DUT	-	R	√3	1.732	1	-	90
Combined Std. uncertainty						1.33	
Expanded Std. uncertainty (95% confidence interval), K=2						2.67	

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12 SAR MEASUREMENT RESULTS

Date: 2021/12/29

ID:001

Report No. :EN/2021/C0030

WLAN 802.11b, Body, Top Edge, CH 1, 0mm, Tx1

Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.066 Medium parameters used: f = 2412 MHz; σ = 1.777 S/m; ϵ_r = 38.631; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(7.67, 7.67, 7.67) @ 2412 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.970 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.991 V/m; Power Drift = 0.03 dB

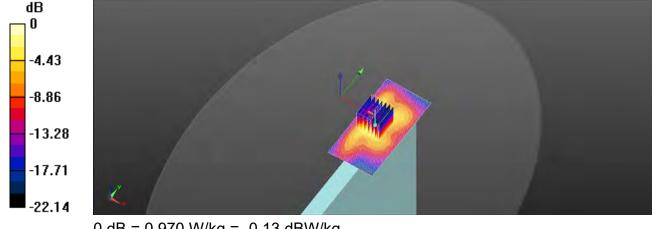
Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.257 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 0.970 W/kg



0 dB = 0.970 W/kg = -0.13 dBW/kg

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ID:002 Report No. :EN/2021/C0030 Bluetooth(GFSK), Body, Top Edge, CH 0, 0mm, Tx1

Communication System: Bluetooth; Frequency: 2402 MHz; Duty cycle= 1:1.328

Medium parameters used: f = 2402 MHz; σ = 1.768 S/m; ϵ_r = 38.664; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(7.67, 7.67, 7.67) @ 2402 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x101x1): Interpolated grid: dx=12 mm, dy=12 mm Maximum value of SAR (interpolated) = 0.262 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

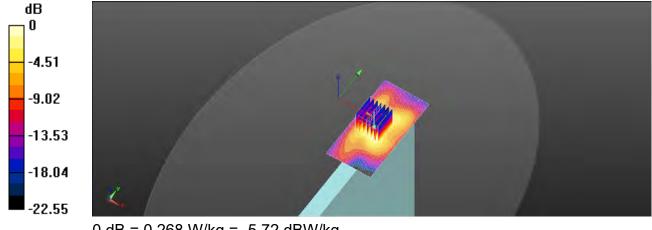
Reference Value = 3.122 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.073 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm Ratio of SAR at M2 to SAR at M1 = 48.7%

Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg = -5.72 dBW/kg

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ID:003

Report No. :EN/2021/C0030

WLAN 802.11n(40M) 5.2G, Body, Top Edge, CH 46, 0mm, Tx1

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.016

Medium parameters used: f = 5230 MHz; σ = 4.693 S/m; ϵ_r = 37.109; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5230 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.17 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.111 V/m; Power Drift = 0.18 dB

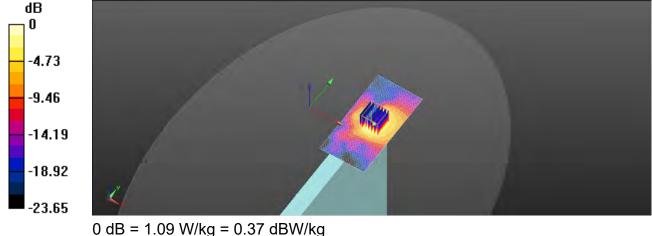
Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 0.578 W/kg; SAR(10 g) = 0.209 W/kg

Smallest distance from peaks to all points 3 dB below = 5.6 mmRatio of SAR at M2 to SAR at M1 = 58.1%

Rallo of SAR at MZ to SAR at MT = 58.1% Maximum value of SAR (massured) = 1.00 M/

Maximum value of SAR (measured) = 1.09 W/kg



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ID:004 Report No. :EN/2021/C0030 WLAN 802.11a 5.3G, Body, Top Edge, CH 60, 0mm, Tx1 Communication System: WLAN 5G: Erequency: 5300 MHz: Duty cy

Communication System: WLAN 5G; Frequency: 5300 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5300 MHz; σ = 4.792 S/m; ϵ r = 37.022; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5300 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.75 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.014 V/m; Power Drift = 0.11 dB

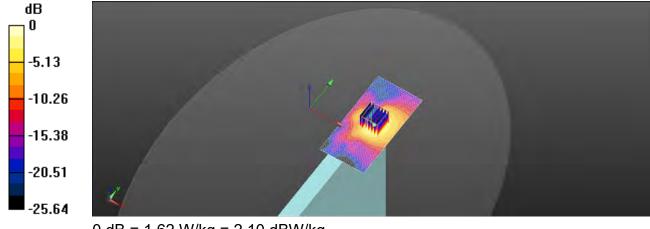
Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.296 W/kg

Smallest distance from peaks to all points 3 dB below = 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 57%

Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.62 W/kg = 2.10 dBW/kg

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ID:005 Report No. :EN/2021/C0030 WLAN 802.11a 5.6G, Body, Top Edge, CH 144, 0mm, Tx1 Communication System: WLAN 5G; Frequency: 5720 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5720 MHz; σ = 5.293 S/m; ϵ_r = 36.219; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.95, 4.95, 4.95) @ 5720 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.35 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

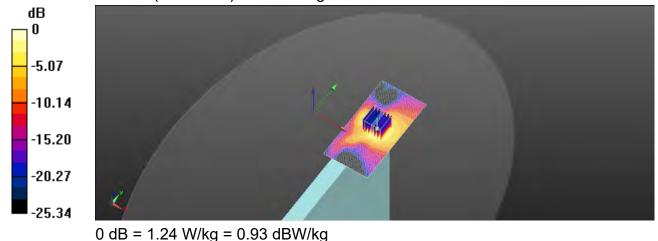
Reference Value = 2.552 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.85 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.210 W/kg

Smallest distance from peaks to all points 3 dB below = 4.2 mmRatio of SAR at M2 to SAR at M1 = 55%

Maximum value of SAR (measured) = 1.24 W/kg



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ID:006 Report No. :EN/2021/C0030 WLAN 802.11a 5.8G, Body, Top Edge, CH 149, 0mm, Tx1 Communication System: WLAN 5G; Frequency: 5745 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5745 MHz; σ = 5.321 S/m; ϵ_r = 36.176; ρ = 1000 kg/m³

Medium parameters used. T = 5745 MHz, 0 = 5.52T S/m, $\varepsilon_{\rm f} = 0.52$

Phantom section: Flat Section

Ambient temperature: 21.7°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.95, 4.95, 4.95) @ 5745 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.18 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.423 V/m; Power Drift = 0.17 dB

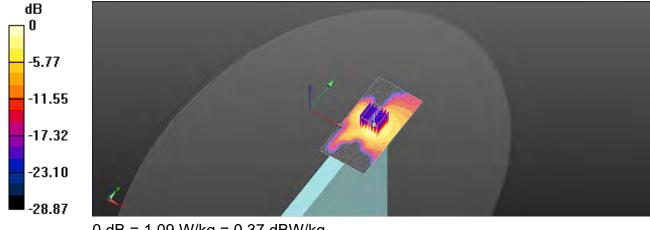
Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.188 W/kg

Smallest distance from peaks to all points 3 dB below = 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 54.3%

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

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ID:007 Report No. :EN/2021/C0030 WLAN 802.11b, Body, Top Edge, CH 11, 0mm, Tx2 Communication System: WLAN 2.45G; Frequency: 2462 MHz; Duty cycle= 1:1.066 Medium parameters used: f = 2462 MHz; σ = 1.823 S/m; ϵ_r = 38.516; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(7.67, 7.67, 7.67) @ 2462 MHz; Calibrated: 2021/4/28 •
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x101x1): Interpolated grid: dx=12 mm, dy=12 mm Maximum value of SAR (interpolated) = 0.711 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

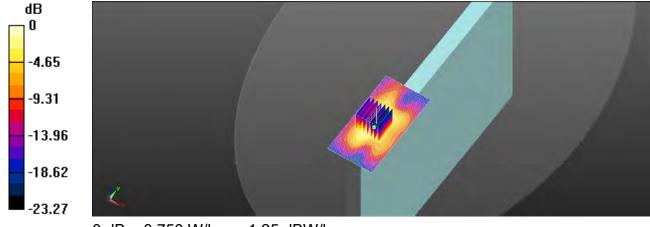
Reference Value = 2.635 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.208 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm Ratio of SAR at M2 to SAR at M1 = 51.4%

Maximum value of SAR (measured) = 0.750 W/kg



0 dB = 0.750 W/kg = -1.25 dBW/kg

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ID:008

Report No. :EN/2021/C0030

WLAN 802.11n(40M) 5.2G, Body, Top Edge, CH 46, 0mm, Tx2

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.016

Medium parameters used: f = 5230 MHz; σ = 4.693 S/m; ϵ_r = 37.109; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5230 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.576 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

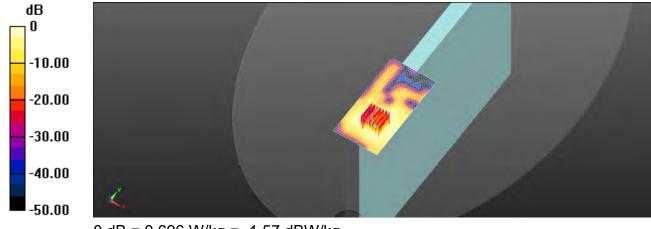
Reference Value = 2.433 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.122 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mmRatio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 0.696 W/kg



0 dB = 0.696 W/kg = -1.57 dBW/kg

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ID:009 Report No. :EN/2021/C0030 WLAN 802.11a 5.3G, Body, Top Edge, CH 60, 0mm, Tx2

Communication System: WLAN 5G; Frequency: 5300 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5300 MHz; σ = 4.792 S/m; ϵ_r = 37.022; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5300 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.10 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

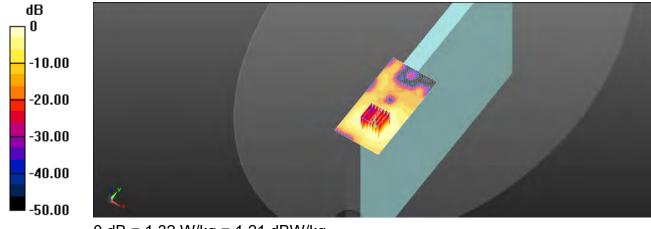
Reference Value = 3.154 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 0.690 W/kg; SAR(10 g) = 0.227 W/kg

Smallest distance from peaks to all points 3 dB below = 4.2 mmRatio of SAR at M2 to SAR at M1 = 58.5%

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

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ID:010 Report No. :EN/2021/C0030 WLAN 802.11a 5.6G, Body, Top Edge, CH 144, 0mm, Tx2

Communication System: WLAN 5G; Frequency: 5720 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5720 MHz; σ = 5.293 S/m; ϵ_r = 36.219; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.95, 4.95, 4.95) @ 5720 MHz; Calibrated: 2021/4/28 •
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.96 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.445 V/m; Power Drift = 0.17 dB

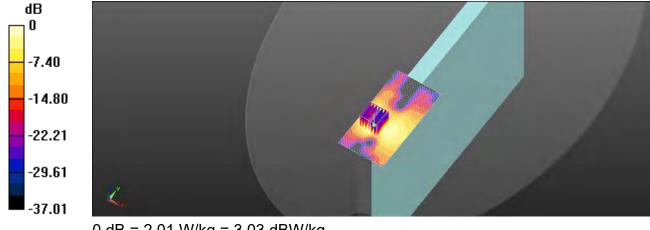
Peak SAR (extrapolated) = 4.73 W/kg

SAR(1 g) = 0.959 W/kg; SAR(10 g) = 0.269 W/kg

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 54%

Maximum value of SAR (measured) = 2.01 W/kg



0 dB = 2.01 W/kg = 3.03 dBW/kg

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ID:011 Report No. :EN/2021/C0030

WLAN 802.11a 5.8G, Body, Top Edge, CH 165, 0mm, Tx2

Communication System: WLAN 5G; Frequency: 5825 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5825 MHz; σ = 5.426 S/m; ϵ r = 35.895; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.7°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.95, 4.95, 4.95) @ 5825 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.61 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.442 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 4.29 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.312 W/kg

Smallest distance from peaks to all points 3 dB below = 4.7 mm

Ratio of SAR at M2 to SAR at M1 = 51.6%

Maximum value of SAR (measured) = 1.81 W/kg

Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.442 V/m; Power Drift = 0.18 dB

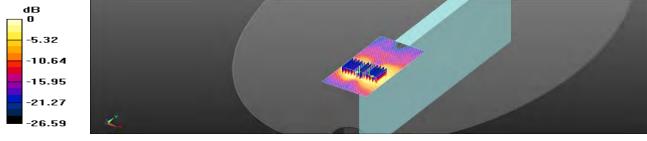
Peak SAR (extrapolated) = 2.63 W/kg

SAR(1 g) = 0.722 W/kg; SAR(10 g) = 0.263 W/kg

Smallest distance from peaks to all points 3 dB below = 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 53.4%

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

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ID:012 Report No. :EN/2021/C0030 WLAN 802.11b, Body, Top Edge, CH 11, 0mm, Tx1 Communication System: WLAN 2.45G; Frequency: 2462 MHz; Duty cycle= 1:1.066 Medium parameters used: f = 2462 MHz; σ = 1.823 S/m; ϵ_r = 38.516; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(7.67, 7.67, 7.67) @ 2462 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x101x1): Interpolated grid: dx=12 mm, dy=12 mm Maximum value of SAR (interpolated) = 0.694 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

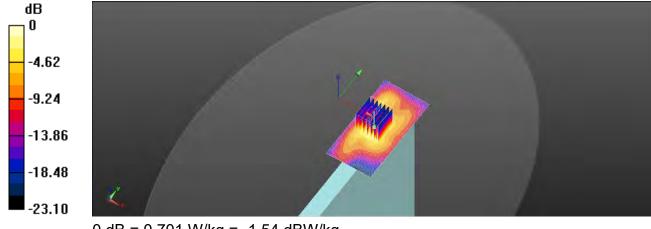
Reference Value = 2.954 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.189 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm Ratio of SAR at M2 to SAR at M1 = 48.8%

Maximum value of SAR (measured) = 0.701 W/kg



0 dB = 0.701 W/kg = -1.54 dBW/kg

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ID:013 Report No. :EN/2021/C0030 Bluetooth(GFSK), Body, Top Edge, CH 0, 0mm, Tx1

Communication System: Bluetooth; Frequency: 2402 MHz; Duty cycle= 1:1.328 Medium parameters used: f = 2402 MHz; σ = 1.768 S/m; ϵ_r = 38.664; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(7.67, 7.67, 7.67) @ 2402 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x101x1): Interpolated grid: dx=12 mm, dy=12 mm Maximum value of SAR (interpolated) = 0.349 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

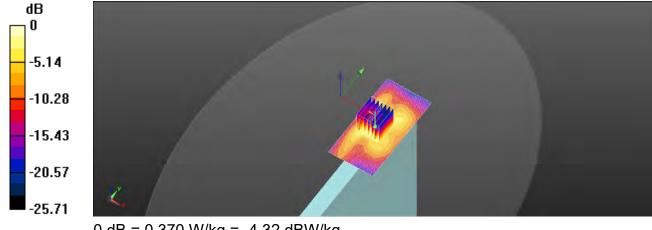
Reference Value = 3.444 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.099 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm Ratio of SAR at M2 to SAR at M1 = 46.9%

Maximum value of SAR (measured) = 0.370 W/kg



0 dB = 0.370 W/kg = -4.32 dBW/kg

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ID:014 Report No. :EN/2021/C0030

WLAN 802.11n(40M) 5.2G, Body, Top Edge, CH 46, 0mm, Tx1

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.016

Medium parameters used: f = 5230 MHz; σ = 4.693 S/m; ϵ_r = 37.109; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5230 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.829 W/kg

Maximum value of SAR (interpolated) = 0.029 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

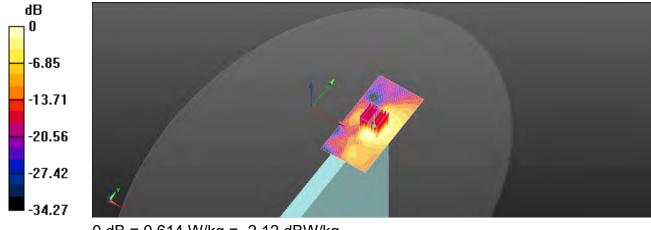
Reference Value = 2.656 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.129 W/kg

Smallest distance from peaks to all points 3 dB below = 5.6 mmRatio of SAR at M2 to SAR at M1 = 58.8%

Maximum value of SAR (measured) = 0.614 W/kg



0 dB = 0.614 W/kg = -2.12 dBW/kg

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ID:015 Report No. :EN/2021/C0030 WLAN 802.11a 5.3G, Body, Top Edge, CH 56, 0mm, Tx1

Communication System: WLAN 5G; Frequency: 5280 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5280 MHz; σ = 4.767 S/m; ϵ_r = 37.064; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5280 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.64 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.221 V/m; Power Drift = 0.12 dB

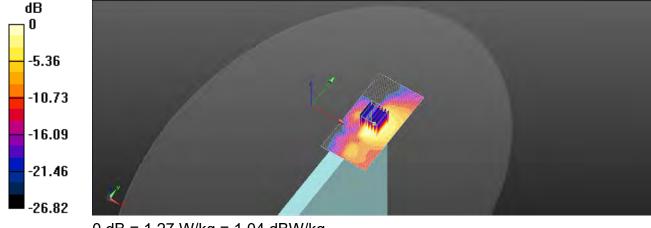
Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.260 W/kg

Smallest distance from peaks to all points 3 dB below = 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 57.8%

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

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ID:016 Report No. :EN/2021/C0030 WLAN 802.11a 5.6G, Body, Top Edge, CH 144, 0mm, Tx1

Communication System: WLAN 5G; Frequency: 5720 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5720 MHz; σ = 5.293 S/m; ϵ_r = 36.219; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.95, 4.95, 4.95) @ 5720 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.690 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.176 V/m; Power Drift = 0.15 dB

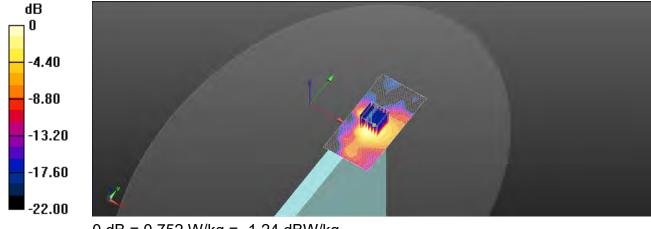
Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.146 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 54.9%

Maximum value of SAR (measured) = 0.752 W/kg



0 dB = 0.752 W/kg = -1.24 dBW/kg

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ID:017 Report No. :EN/2021/C0030 WLAN 802.11a 5.8G, Body, Top Edge, CH 149, 0mm, Tx1

Communication System: WLAN 5G; Frequency: 5745 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5745 MHz; σ = 5.321 S/m; ϵ_r = 36.176; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.7°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.95, 4.95, 4.95) @ 5745 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.916 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.332 V/m; Power Drift = 0.18 dB

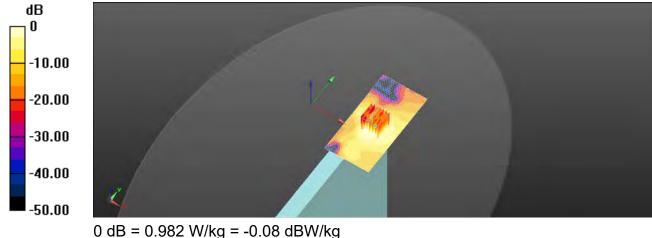
Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.187 W/kg

Smallest distance from peaks to all points 3 dB below = 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 54.9%

Maximum value of SAR (measured) = 0.982 W/kg



6 6

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ID:018 Report No. : EN/2021/C0030 WLAN 802.11b, Body, Top Edge, CH 11, 0mm, Tx2 Communication System: WLAN 2.45G; Frequency: 2462 MHz; Duty cycle= 1:1.066 Medium parameters used: f = 2462 MHz; σ = 1.823 S/m; ϵ_r = 38.516; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(7.67, 7.67, 7.67) @ 2462 MHz; Calibrated: 2021/4/28 •
- Sensor-Surface: 2mm (Mechanical Surface Detection) •
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x101x1): Interpolated grid: dx=12 mm, dy=12 mm Maximum value of SAR (interpolated) = 0.350 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.312 V/m; Power Drift = -0.18 dB

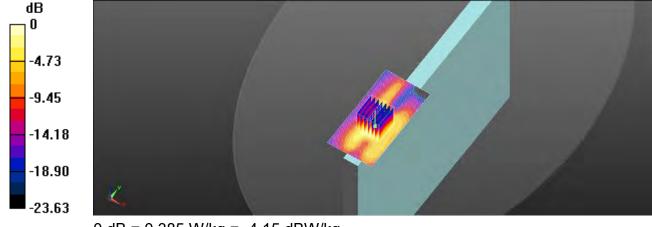
Peak SAR (extrapolated) = 0.597 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.102 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 43.1%

Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.385 W/kg = -4.15 dBW/kg

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ID:019 Report No. :EN/2021/C0030

WLAN 802.11n(40M) 5.2G, Body, Top Edge, CH 46, 0mm, Tx2

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.016

Medium parameters used: f = 5230 MHz; σ = 4.693 S/m; ϵ_r = 37.109; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5230 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.309 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.221 V/m; Power Drift = 0.16 dB

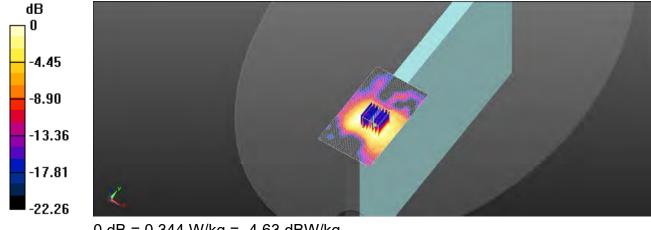
Peak SAR (extrapolated) = 0.635 W/kg

SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.069 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 59.3%

Maximum value of SAR (measured) = 0.344 W/kg



0 dB = 0.344 W/kg = -4.63 dBW/kg

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ID:020

Report No. :EN/2021/C0030 WLAN 802.11a 5.3G, Body, Top Edge, CH 60, 0mm, Tx2

WLAN 602.118 5.3G, BOUY, TOP Euge, CH 60, UMMI, TX2

Communication System: WLAN 5G; Frequency: 5300 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5300 MHz; σ = 4.792 S/m; ϵ r = 37.022; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5300 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.678 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.457 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.133 W/kg

Smallest distance from peaks to all points 3 dB below = 4.1 mm

Ratio of SAR at M2 to SAR at M1 = 58.2%

Maximum value of SAR (measured) = 0.890 W/kg

Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.457 V/m; Power Drift = 0.12 dB

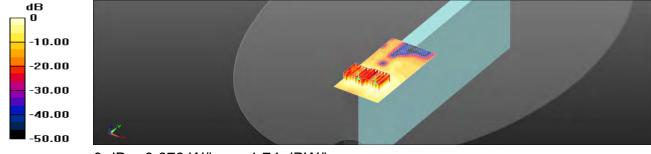
Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.142 W/kg

Smallest distance from peaks to all points 3 dB below = 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 58.7%

Maximum value of SAR (measured) = 0.670 W/kg



0 dB = 0.670 W/kg = -1.74 dBW/kg

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ID:021

Report No. : EN/2021/C0030

WLAN 802.11a 5.6G, Body, Top Edge, CH 144, 0mm, Tx2

Communication System: WLAN 5G; Frequency: 5720 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5720 MHz; σ = 5.293 S/m; ϵ_r = 36.219; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.95, 4.95, 4.95) @ 5720 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection) ٠
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483) •

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.19 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.223 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.86 W/kg

SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.172 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 53.8%

Maximum value of SAR (measured) = 1.20 W/kg

Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.223 V/m: Power Drift = 0.15 dB

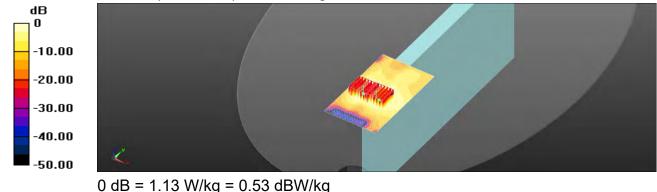
Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.210 W/kg

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 54.7%

Maximum value of SAR (measured) = 1.13 W/kg



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ID:022

Report No. : EN/2021/C0030 WLAN 802.11a 5.8G, Body, Top Edge, CH 165, 0mm, Tx2

Communication System: WLAN 5G; Frequency: 5825 MHz; Duty cycle= 1:1.047

Medium parameters used: f = 5825 MHz; σ = 5.426 S/m; ϵ_r = 35.895; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 21.7°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.95, 4.95, 4.95) @ 5825 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection) ٠
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483) •

Area Scan (71x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.33 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.976 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 3.20 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.189 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 53%

Maximum value of SAR (measured) = 1.36 W/kg

Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.976 V/m: Power Drift = 0.17 dB

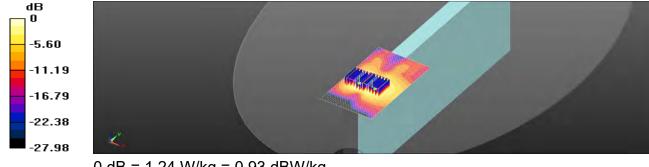
Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.224 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 54.4%

Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

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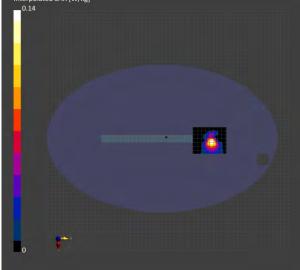


Report No.: TESA2305000314EN Page: 106 of 155

ID:023 Report No. EN/2021/C0030 Measurgment Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)_Tx1

Model, Manufacturer Pixia,			Dimens	Dimensions [mm]					IMEI		DUT Type				
			227.0 x	227.0 x 309.0 x 21.0							Tablet				
Exposure Conditions															
Phantom Section, TSL	•			oup, UID Frequency [MHz], Channel Number Conver				onversion Factor TSL Cond		uctivity [S/m]	TSL Permittivi				
Flat, HSL	EDGE TOP, 0.00	U-NII-5	WLAN, 1	10743-AAC 6025.0, 15			5.7		5.423		34.647				
Hardware Setup															
Phantom	TSL, Measured Date	Probe	Probe, Calibration Date					DAE, Calibration Date							
ELI	HBBL-600-10000			V4 - SN7466, 2021-01-29)		DAE4 Sn1665, 2021-03-01								
Scans Setup															
cans Setup					Area Scan						Zoom Scan				
Grid Extents [mm]						22.0 x 22.0 x 22.									
Grid Steps [mm]					3.4 x 3.4 x										
Sensor Surface [mm]				3.0					1.4						
Graded Grid				Yes					Yes						
Grading Ratio				1.5					1.4						
MAIA				N/A					N/A						
Surface Detection									VMS + 6p						
Scan Method				Measured							Measured				
leasurement Results			1												
					Area Scan 2022-01-03, 07:04					Zoom Scar					
Date					0.106										
psSAR1g [W/Kg]															
psSAR10g [W/Kg]					0.038										
Power Drift [dB]			+												
Power Scaling			+		D	isabled					Disabled				
Scaling Factor [dB]			+		No						No comotion				
TSL Correction			+		rection										
M2/M1 [%] Dist 3dB Peak [mm]											59.4				

Interpolated SAR [W/kg]



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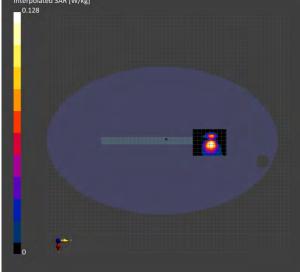


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ID:024 Report No.: EN/2021/C0030 Measurement <u>Report for Pixie, EDGE TOP, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Tx1</u>

Device Under Test Prop	perties		-		1111 (6505.0 MHZ)_1X1								
Model, Manufacturer			Dimension					IMEI		DUT Type			
Pixie,			227.0 x 30	09.0 x 21.0						Tablet			
Exposure Conditions													
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	Factor	TSL Cond	uctivity [S/m]	TSL Permittivity		
Flat, HSL	EDGE TOP, 0.00	U-NII-6	WLAN, 10743-AAC		6505.0, 111		5.7	5.7			34.085		
lardware Setup													
Phantom	TSL, Measured Date		Probe, C	Calibration Date				DAE, Calibration Da	te				
ELI	HBBL-600-10000			- SN7466, 2021-01-29			DAE4 Sn1665, 2021-03-01						
Scans Setup													
cans Setup					Area Scan						Zoom Scan		
Grid Extents [mm]					68.0 x 85.0					22.0	x 22.0 x 22.0		
Grid Steps [mm]					8.5 x 8.5						3.4 x 3.4 x 1.4		
Sensor Surface [mm]					3.0						1.4		
Graded Grid					Yes						Yes		
Grading Ratio					1.5						1.4		
MAIA					N/A						N/A		
Surface Detection					VMS + 6p						VMS + 6p		
Scan Method					Measured						Measured		
leasurement Results													
					Are	a Scan					Zoom Scan		
Date					2022-01-03	, 08:14				2022	2-01-03, 08:26		
psSAR1g [W/Kg]			0.102					0.117					
psSAR10g [W/Kg]						0.037					0.041		
Power Drift [dB]						0.14					-0.08		
Power Scaling					D	isabled					Disabled		
Scaling Factor [dB]													
TSL Correction					No co	rrection					No correction		
M2/M1 [%]											55.7		
Dist 3dB Peak [mm]											6.1		

Interpolated SAR [W/kg]



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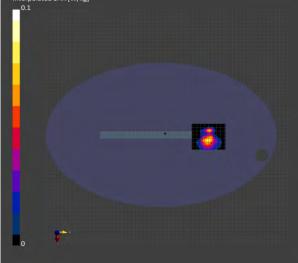


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ID:025 Report No.: EN/2021/C0030 Measurement Report for Pixle, EDGE TOP, U-NII-7, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)_Tx1

Device Under Test Properties Model, Manufacturer			Dimensions [mm]					IMEI		DUT Type			
Pixie,				227.0 x 309.0 x 21.0									
Exposure Conditions Phantom Section, TSL Position, Test Distance [mm] Band G			Group, UIE	Group, UID Frequency [MHz], Channel Number Convers					TSL Cond	Conductivity [S/m] TSL Perm			
Flat, HSL	EDGE TOP, 0.00	U-NII-7	WLAN, 107	0743-AAC 6825.0, 175 5.7			5.7	6.349		6.349			
lardware Setup											1		
Phantom	TSL, Measured Date	Probe, Calibration Date					DAE, Calibration Date						
ELI	HBBL-600-10000			EX3DV4 - SN7466, 2021-01-29					DAE4 Sn1665, 2021-03-01				
Scans Setup													
icans Setup					Area Scan						Zoom Scan		
Grid Extents [mm]					22.0 x 22.0 x								
Grid Steps [mm]					3.4 x 3.4 x 1								
Sensor Surface (mm)				3.0					1.				
Graded Grid				Yes						Yes			
Grading Ratio				1.5						1.4			
MAIA				N/A					N/A				
Surface Detection									VMS + 6p				
Scan Method			Measured					Measured					
leasurement Results													
				Area Scan 2022-01-03, 08:48					Zoom Sca 2022-01-03, 08:5				
Date					2022-01-03, 08:59								
psSAR1g [W/Kg] psSAR10g [W/Kg]					0.066								
Power Drift [dB]			-0.11										
Power Drift (DB) Power Scaling					D								
Scaling Factor [dB]											2.240/00		
TSL Correction					rrection	on No correction							
M2/M1 [%]						54.1							
Dist 3dB Peak [mm]											4.8		

Interpolated SAR [W/kg]



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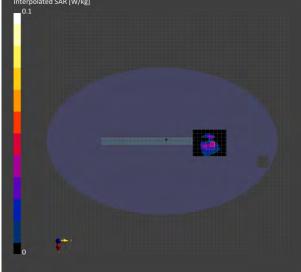


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ID:026 Report No. :EN/2021/C0030 Measurement Report for Pixie, EDGE TOP, U-NII-8, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz)_Tx1

	perties										
Model, Manufacturer			Dimension	ns [mm]				IMEI		DUT Type	
Pixie,			227.0 x 30	09.0 x 21.0						Tablet	
Exposure Conditions											
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	Factor	TSL Cond	uctivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-8	WLAN, 107	43-AAC	6985.0, 207		5.85		6.531		33.524
Hardware Setup											
Phantom	TSL, Measured Date		Probe, 0	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV4	I - SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01		
Scans Setup											
					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 x 85.0					22.0	x 22.0 x 22.0
Grid Steps [mm]					8.5 x 8.5						3.4 x 3.4 x 1.4
Sensor Surface [mm]					3.0						1.4
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results						- 1					1
						a Scan					Zoom Scan
Date					2022-01-03					202	-01-03, 09:37
psSAR1g [W/Kg]						0.035					0.038
psSAR10g [W/Kg] Power Drift [dB]						0.012					-0.06
Power Drift [dB]						0.13 isabled					-0.06 Disabled
Scaling Factor [dB]					b	ISADIGU					Disqued
TSL Correction					No co	rrection					No correction
M2/M1 [%]					NO CO						50.2
Dist 3dB Peak [mm]											3.8





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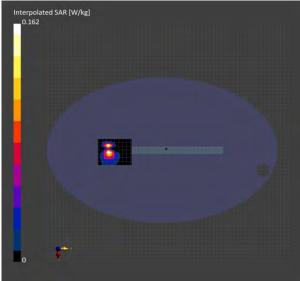
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ID:027 Report No. :EN/2021/C Measurement Report f Device Under Test Pro	for Pixie, EDGE TOP, U-NII-5, IEEE 802.1	1ax (160MHz, MCS	60, 90pc du	ty cycle), Channe	l 15 (6025.0 MHz)_Tx2						
Model, Manufacturer	•		Dimension	ns (mm)				IMEI		DUT Type	
Pixie,			227.0 x 30	09.0 x 21.0						Tablet	
Exposure Conditions											
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	Factor	TSL Cond	uctivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-5	WLAN, 107	43-AAC	6025.0, 15		5.7		5.423		34.647
Hardware Setup											
Phantom	TSL, Measured Date		Probe, 0	Calibration Date				DAE, Calibration Dat	e		
ELI	HBBL-600-10000		EX3DV4	I - SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01		
			1								
Scans Setup					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 x 85.0						22.0 x 22.0 x 22.0
Grid Steps [mm]					8.5 x 8.5						3.4 x 3.4 x 1.4
Sensor Surface [mm]					3.0						1.4
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results											
						a Scan					Zoom Scan
Date					2022-01-03						2022-01-03, 10:13
psSAR1g [W/Kg]						0.110					0.119
psSAR10g [W/Kg]						0.035					0.031
Power Drift [dB]						-0.07					-0.14
Power Scaling					D	isabled					Disabled
Scaling Factor [dB]											
TSL Correction					No co	rrection					No correction
M2/M1 [%]											55.3
Dist 3dB Peak [mm]											5.2





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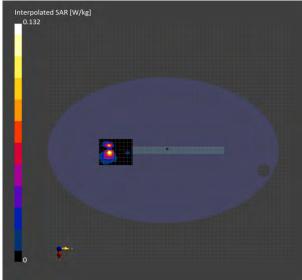


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ID:028 Report No. EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Tx2</u>

Device Under Test Prop	perties										
Model, Manufacturer			Dimension					IMEI		DUT Type	
Pixie,			227.0 x 30	19.0 x 21.0						Tablet	
xposure Conditions											
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	n Factor	TSL Cond	uctivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-6	WLAN, 107	43-AAC	6505.0, 111		5.7		5.982		34.085
lardware Setup											
Phantom	TSL, Measured Date		Probe, C	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV4	- SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01		
	•										
cans Setup					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 x 85.0					22.0	x 22.0 x 22.0
Grid Steps [mm]					8.5 x 8.5					:	3.4 x 3.4 x 1.4
Sensor Surface [mm]					3.0						1.4
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results											
					Are	ea Scan					Zoom Scan
Date					2022-01-03	3, 11:12				2022	2-01-03, 11:25
psSAR1g [W/Kg]						0.089					0.094
psSAR10g [W/Kg]						0.026					0.029
Power Drift [dB]						-0.17					0.02
Power Scaling					E	Disabled					Disabled
Scaling Factor [dB]											
TSL Correction					No co	rrection					No correction
M2/M1 [%]											55.0
Dist 3dB Peak [mm]											4.6





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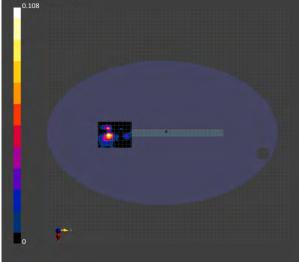


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ID:029 Report No. EN/2021/C0030 Measurement Report for Pixle, EDGE TOP, U-NII-7, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 143 (6665.0 MHz)_Tx2

Model, Manufacturer			Dimension	ns (mm)				IMEI		DUT Type	
Pixie,			227.0 x 30	09.0 x 21.0						Tablet	
Exposure Conditions											
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	Factor	TSL Cond	uctivity [S/m]	TSL Permittiv
Flat, HSL	EDGE TOP, 0.00	U-NII-7	WLAN, 107	43-AAC	6665.0, 143		5.7		6.165		33.907
Hardware Setup											
Phantom	TSL, Measured Date		Probe, 0	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV4	I - SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01		
Scans Setup			÷								
					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 x 85.0						22.0 x 22.0 x 22.0
Grid Steps [mm]					8.5 x 8.5						3.4 x 3.4 x 1.4
Sensor Surface [mm]					3.0						1.4
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results											
						a Scan					Zoom Scan
Date					2022-01-03					2	022-01-03, 12:01
psSAR1g [W/Kg]						0.078					0.083
psSAR10g [W/Kg]						0.023					0.025
Power Drift [dB]						-0.04 isabled					-0.02 Disabled
Power Scaling Scaling Factor [dB]					U	Isabled					Disabled
TSL Correction					No cor	rection					No correction
M2/M1 [%]			No correction								58.0
Dist 3dB Peak [mm]											4.9





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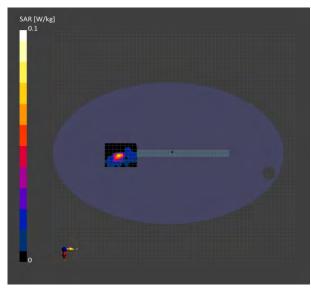
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ID:030 Report No. EN/2021/C0030 Measurement Report for Pixle, EDGE TOP, U-NII-8, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz)_Tx2

Model, Manufacturer			Dimension	ns (mm)				IMEI		DUT Type			
Pixie,			227.0 x 30	09.0 x 21.0						Tablet			
xposure Conditions													
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID)	Frequency [MHz], Channel Number		Conversion	Factor	TSL Cond	uctivity [S/m]	TSL Permittivi		
Flat, HSL	EDGE TOP, 0.00	U-NII-8	WLAN, 107	743-AAC	6985.0, 207		5.85		6.531		33.524		
lardware Setup	·												
Phantom	TSL, Measured Date		Probe, 0	Calibration Date				DAE, Calibration Da	te				
ELI	HBBL-600-10000		EX3DV4	4 - SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01	Tablet Conductivity [SIm] TSL Permittin 33.524 33.524 Zoom Scan 22.0 x 2			
cans Setup													
scans Setup					Area Scan						Zoom Scan		
Grid Extents [mm]					68.0 x 85.0					2			
Grid Steps [mm]					8.5 x 8.5								
Sensor Surface [mm]					3.0						1.4		
Graded Grid					Yes						Yes		
Grading Ratio					1.5						1.4		
MAIA					N/A						N/A		
Surface Detection					VMS + 6p						VMS + 6p		
Scan Method					Measured						Measured		
leasurement Results													
						a Scan							
Date					2022-01-03					2			
psSAR1g [W/Kg]						0.091							
psSAR10g [W/Kg]						0.027							
Power Drift [dB]						0.17							
Power Scaling					D	isabled					Disabled		
Scaling Factor [dB]													
TSL Correction			No correction								No correction		
M2/M1 [%]	1 [%]										50.7		



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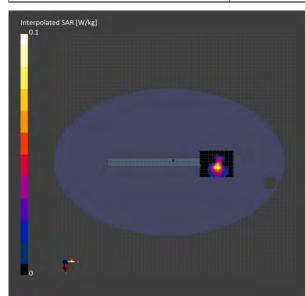
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Report No.: TESA2305000314EN Page: 114 of 155

ID:031 Report No. EN/2021/C0030 Measurgment Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)_Tx1

Device Under Test Prop	perties		-								
Model, Manufacturer			Dimension	ns (mm)				IMEI		DUT Type	
Pixie,			227.0 x 30	09.0 x 21.0						Tablet	
xposure Conditions											
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	n Factor	TSL Cond	uctivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-5	WLAN, 107	'43-AAC	6025.0, 15		5.7		5.423		34.647
lardware Setup											
Phantom	TSL, Measured Date		Probe, C	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV4	- SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01		
Scans Setup	•										
cans Setup					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 x 85.0					22.0	x 22.0 x 22.0
Grid Steps [mm]					8.5 x 8.5						3.4 x 3.4 x 1.4
Sensor Surface [mm]					3.0						1.4
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results											
					Are	a Scan					Zoom Scan
Date					2022-01-03	i, 13:01				202	2-01-03, 13:14
psSAR1g [W/Kg]						0.067					0.076
psSAR10g [W/Kg]						0.024					0.027
Power Drift [dB]						0.15					-0.12
Power Scaling					D	isabled					Disabled
Scaling Factor [dB]											
TSL Correction					No cor	rrection					No correction
M2/M1 [%]											64.5
Dist 3dB Peak [mm]											5.4



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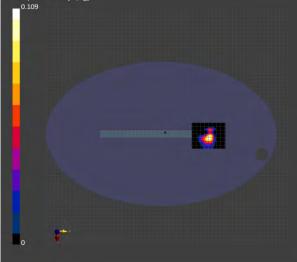


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ID:032 Report No. :EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Tx1</u>

Device Under Test Prop	perties	(·, ·,···, ····							
Model, Manufacturer			Dimension	ns (mm)				IMEI		DUT Type	
Pixie,			227.0 x 30	09.0 x 21.0						Tablet	
Exposure Conditions											
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	Factor	TSL Cond	luctivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-6	WLAN, 107	743-AAC	6505.0, 111		5.7		5.982		34.085
Hardware Setup											
Phantom	TSL, Measured Date		Probe, 0	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV4	4 - SN7466, 2021-01-29	•			DAE4 Sn1665, 2021	-03-01		
Scans Setup	÷										
icans octup					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 x 85.0					22.0	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
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results											
						a Scan					Zoom Scan
Date					2022-01-03					202	2-01-03, 14:24
psSAR1g [W/Kg]						0.085					0.102
psSAR10g [W/Kg]						0.029					0.034
Power Drift [dB]						-0.17					-0.07
Power Scaling					D	isabled					Disabled
Scaling Factor [dB]											
TSL Correction					No cor	rection					No correction
M2/M1 [%]											56.6
Dist 3dB Peak [mm]											4.3

Interpolated SAR [W/kg] 0.109



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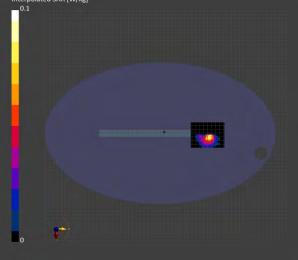


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ID:033
Report No. :EN/2021/C0030
Measurement Report for Pixle, EDGE TOP, U-NII-7, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)_Tx1

Device Under Test Proper	rties	,,	,	, .,,,								
Model, Manufacturer			Dimension	ns [mm]				IMEI		DUT Type		
Pixie,			227.0 x 30	19.0 x 21.0					_	Tablet		
Exposure Conditions												
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	n Factor	TSL Cond	uctivity [S/m]	TSL Permittivity	
Flat, HSL	EDGE TOP, 0.00	U-NII-7	WLAN, 107	43-AAC	6825.0, 175		5.7		6.349		33.713	
Hardware Setup												
Phantom	TSL, Measured Date		Probe, C	Calibration Date				DAE, Calibration Da	te			
ELI	HBBL-600-10000		EX3DV4	- SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01			
Scans Setup												
					Area Scan						Zoom Scan	
Grid Extents [mm]					68.0 x 85.0					22.0	x 22.0 x 22.0	
Grid Steps [mm]					8.5 x 8.5					:	3.4 x 3.4 x 1.4	
Sensor Surface [mm]					3.0						1.4	
Graded Grid					Yes						Yes	
Grading Ratio					1.5						1.4	
MAIA					N/A						N/A	
Surface Detection					VMS + 6p						VMS + 6p	
Scan Method					Measured						Measured	
Measurement Results												
						a Scan					Zoom Scan	
Date					2022-01-03					2022	-01-03, 14:58	
psSAR1g [W/Kg]						0.072					0.083	
psSAR10g [W/Kg]						0.025					0.029	
Power Drift [dB]						0.07					-0.17	
Power Scaling					D	isabled					Disabled	
Scaling Factor [dB]												
TSL Correction					No cor	rrection					No correction	
M2/M1 [%]											52.7	
Dist 3dB Peak [mm]											4.1	

Interpolated SAR [W/kg]



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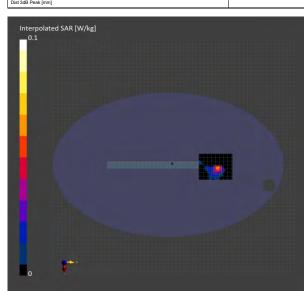
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ID:034 Report No. EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-8, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz) _</u>Tx1

Model, Manufacturer			Dimension	ns [mm]				IMEI		DUT Type	
Pixie,			227.0 x 30	19.0 x 21.0						Tablet	
Exposure Conditions											
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	Factor	TSL Cond	uctivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-8	WLAN, 107	43-AAC	6985.0, 207		5.85		6.531		33.524
Hardware Setup											
Phantom	TSL, Measured Date		Probe, C	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV4	- SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01		
Scans Setup											
iouno ootup					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 x 85.0					22.	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
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results						- 1					1
D. (a Scan					Zoom Scan
Date					2022-01-03					202	2-01-03, 15:35
psSAR1g [W/Kg]						0.053					0.057
psSAR10g [W/Kg] Power Drift [dB]						0.016					-0.06
Power Drift [dB]						0.13 isabled					-0.06 Disabled
Scaling Factor [dB]					b	ISADIGU					Lisabieu
TSL Correction					No co	rrection					No correction
M2/M1 [%]					1000						55.1
Dist 3dB Peak [mm]											4.1



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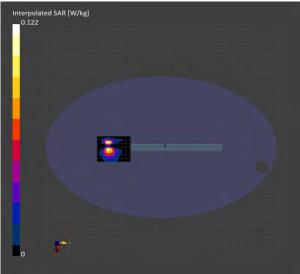


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ID:035 Report ho: EN/2021/C0030 Measurgment Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)_Tx2

Device Under Test Prop Model, Manufacturer			Dimension	ns (mm)				IMEI		DUT Type	
Pixie,				19.0 x 21.0						Tablet	
Exposure Conditions Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	Factor	TSL Cond	uctivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-5	WLAN, 107	43-AAC	6025.0, 15		5.7		5.423		34.647
Hardware Setup		1									
Phantom	TSL, Measured Date		Probe, 0	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV4	- SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01		
Scans Setup											
					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 x 85.0					22.) 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
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results					A	a Scan					Zoom Scan
Date					2022-01-03					202	2-01-03, 16:10
psSAR1g [W/Kg]					2022-01-03	0.082				202.	0.095
psSAR10g [W/Kg]						0.027					0.024
Power Drift [dB]						0.05					-0.12
Power Scaling					D	isabled					Disabled
Scaling Factor [dB]											
TSL Correction	Correction				No correction						No correction
M2/M1 [%]											55.9
Dist 3dB Peak [mm]											6.1





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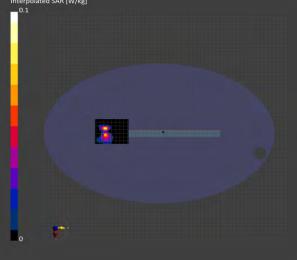


Report No.: TESA2305000314EN Page: 119 of 155

ID:036 Report No. :EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz) _Tx2</u>

Device Under Test Prop Model, Manufacturer			Dimension	ns (mm)				IMEI		DUT Type	
Pixie,				09.0 x 21.0						Tablet	
1 100,			LLT.O X G							Tublet .	
Exposure Conditions			-				1		1		1
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	Factor		uctivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-6	WLAN, 107	'43-AAC	6505.0, 111		5.7		5.982		34.085
Hardware Setup											
Phantom	TSL, Measured Date		Probe, C	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV4	I - SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01		
Scans Setup											
icano ostap					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 × 85.0					22.) 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
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results											
					Are	a Scan					Zoom Scan
Date					2022-01-03	3, 17:08				202	2-01-03, 17:21
psSAR1g [W/Kg]						0.054					0.062
psSAR10g [W/Kg]						0.016					0.014
Power Drift [dB]						-0.05					-0.13
Power Scaling					D	isabled					Disabled
Scaling Factor [dB]											
TSL Correction	Correction				No correction						No correction
M2/M1 [%]	A1 [%]										47.5
Dist 3dB Peak [mm]											5.2





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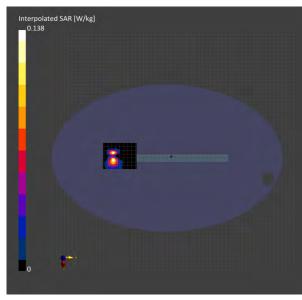
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Report No.: TESA2305000314EN Page: 120 of 155

ID:037 Report No. :EN/2021/C0030 Measurement Report for Pixie, EDGE TOP, U-NII-7, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 143 (6665.0 MHz)_Tx2

Model, Manufacturer			Dimensio	ns (mm)				IMEI		DUT Type	
Pixie,			227.0 x 3	09.0 x 21.0						Tablet	
xposure Conditions											
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID		Frequency [MHz], Channel Number		Conversion	Factor	TSL Cond	uctivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-7	WLAN, 107	43-AAC	6665.0, 143		5.7		6.165		33.907
Hardware Setup											
Phantom	TSL, Measured Date		Probe, 0	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV	I - SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01		
cans Setup											
					Area Scan						Zoom Scan
Grid Extents [mm]					68.0 x 85.0					22.) x 22.0 x 22.0
Grid Steps [mm]					8.5 x 8.5						3.0 x 3.0 x 1.2
Sensor Surface [mm]					3.0						1.4
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.2
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
leasurement Results						a Scan					Zoom Scan
Date					Are 2022-01-03					202	2-01-03, 17:56
psSAR1g [W/Kg]					2022-01-03	0.101				202.	0.102
psSAR10g [W/Kg]						0.032					0.102
Power Drift [dB]						0.032					0.025
Power Scaling					D	isabled					Disabled
Scaling Factor [dB]											
TSL Correction					No co	rection					No correction
M2/M1 [%]											57.1
Dist 3dB Peak [mm]			+								4.8



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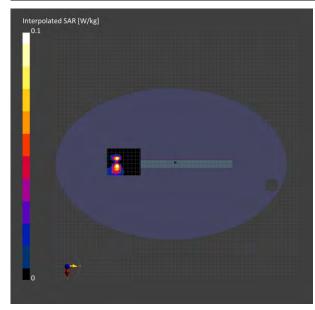
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ID:038 Report No. :EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-8, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz) _</u>Tx2

Device Under Test Prop Model, Manufacturer			Dimensio	ns [mm]				IMEI		DUT Type		
Pixie,				09.0 x 21.0						Tablet		
Exposure Conditions Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	<u>,</u>	Frequency [MHz], Channel Number		Conversion	Faster	TCI Cond	uctivity [S/m]	TSL Permittivity	
Flat, HSL	EDGE TOP, 0.00	U-NII-8	WLAN, 107		6985.0, 207		5.85	racio	6.531	ucuvity [s/m]	33.524	
Hat, HSL	EDGE TOP, 0.00	U-NII-8	WLAN, 10	743-AAC	6985.0, 207		5.85		6.531		33.524	
lardware Setup												
Phantom	TSL, Measured Date			Calibration Date				DAE, Calibration Da				
ELI	HBBL-600-10000		EX3DV	4 - SN7466, 2021-01-29				DAE4 Sn1665, 2021	-03-01			
Scans Setup												
			Area Scan					an Zoom				
Grid Extents [mm]			68.0 × 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	
Graded Grid					Yes						Yes	
Grading Ratio			1.5								1.4	
MAIA					N/A		N				N/A	
Surface Detection					VMS + 6p					VMS + 6p		
Scan Method					Measured						Measured	
leasurement Results												
					Are	a Scan					Zoom Scan	
Date					2022-01-03	3, 18:20				202	2-01-03, 18:33	
psSAR1g [W/Kg]						0.075					0.085	
psSAR10g [W/Kg]						0.023					0.027	
Power Drift [dB]						0.15			-0.07			
Power Scaling					isabled					Disabled		
Scaling Factor [dB]	_											
TSL Correction				-	No co	rrection					No correction	
M2/M1 [%]											52.9	
Dist 3dB Peak [mm]									-		4.1	



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Date: 2023/5/26

ID: 059 Report No. :TESA2305000314EN

WLAN 802.11ac(160M) 5.9G_Body_Top Edge_CH 163_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5815 MHz; Duty cycle= 1:1.036

Medium parameters used: f = 5815 MHz; σ = 5.377 S/m; ϵ_r = 34.656; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(5.12, 5.16, 5.51) @ 5815 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 1.23 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

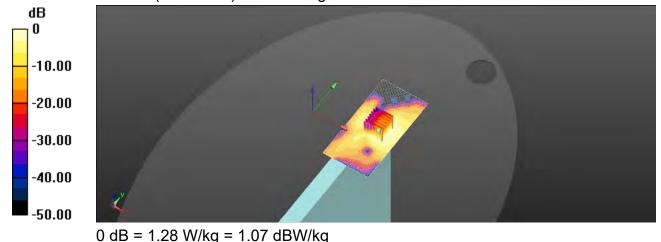
Reference Value = 2.796 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.278 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mmRatio of SAR at M2 to SAR at M1 = 68.5%

Maximum value of SAR (measured) = 1.28 W/kg



Date: 2023/5/26

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ID: 060

Report No. :TESA2305000314EN WLAN 802.11ac(160M) 5.9G_Body_Top Edge_CH 163_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5815 MHz; Duty cycle= 1:1.036 Medium parameters used: f = 5815 MHz; σ = 5.377 S/m; ϵ_r = 34.656; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.3°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(5.12, 5.16, 5.51) @ 5815 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.52 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.762 V/m; Power Drift = 0.05 dB

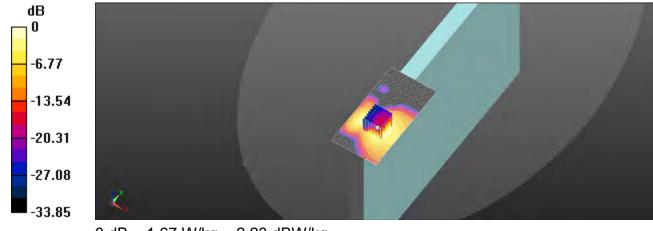
Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.358 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 67.5%

Maximum value of SAR (measured) = 1.67 W/kg



0 dB = 1.67 W/kg = 2.23 dBW/kg

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Date: 2023/5/26

ID: 061 Report No. : TESA2305000314EN

WLAN 802.11ac(160M) 5.9G_Body_Top Edge_CH 163_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5815 MHz; Duty cycle= 1:1.036

Medium parameters used: f = 5815 MHz; σ = 5.377 S/m; ϵ_r = 34.656; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(5.12, 5.16, 5.51) @ 5815 MHz; Calibrated: 2023/4/26 •
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm Maximum value of SAR (interpolated) = 0.971 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

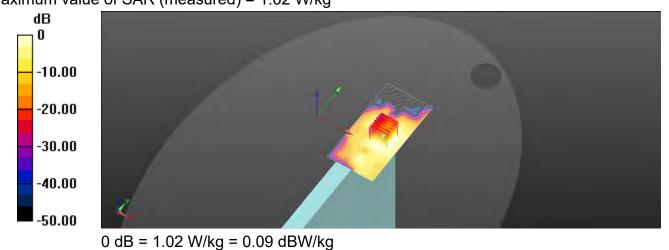
Reference Value = 3.698 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.214 W/kg

Smallest distance from peaks to all points 3 dB below = 4.7 mm Ratio of SAR at M2 to SAR at M1 = 67.1%

Maximum value of SAR (measured) = 1.02 W/kg



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Date: 2023/5/26



ID: 062

Report No. : TESA2305000314EN

WLAN 802.11ac(160M) 5.9G Body Top Edge CH 163 0mm Tx2

Communication System: WLAN 5G; Frequency: 5815 MHz; Duty cycle= 1:1.036 Medium parameters used: f = 5815 MHz; σ = 5.377 S/m; ϵ_r = 34.656; ρ = 1000 kg/m³ Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 SN7509; ConvF(5.12, 5.16, 5.51) @ 5815 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.969 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.265 W/kg

Smallest distance from peaks to all points 3 dB below = 4.1 mm

Ratio of SAR at M2 to SAR at M1 = 66.9%

Maximum value of SAR (measured) = 1.22 W/kg

Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 3.969 V/m; Power Drift = 0.03 dB

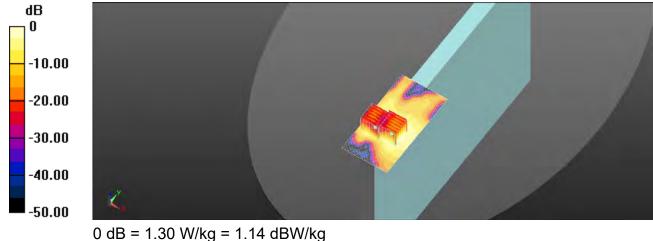
Peak SAR (extrapolated) = 2.45 W/kg

SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.203 W/kg

Smallest distance from peaks to all points 3 dB below = 4.1 mm

Ratio of SAR at M2 to SAR at M1 = 67.4%

Maximum value of SAR (measured) = 1.30 W/kg



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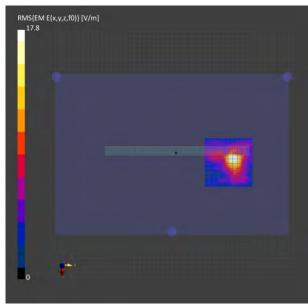
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13 PD MEASUREMENT RESULTS

Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type	
Pixie,			227.0 x 309.0 x 21.0				Tablet	
xposure Conditions								
Phantom Section	Position, Test Distance	e (mm)	Band	Group, UID	Frequency [MHz], Channel Number			Conversion Factor
5G	EDGE TOP, 2.00		U-NII-5	WLAN, 10743-AAC	6025.0, 15			1.0
lardware Setup								
Phantom	Medium	Probe, Calibration Date				DAE, Calibration Date		
mmWave	Air -	EUmmWV4 - SN9579_F1-55GHz, 202	-10-06			DAE4 Sn1665, 2021-03-01		
Scans Setup								5G Scan
Grid Extents [mm]								100.0 x 100.0
Grid Steps [lambda]								0.0625 x 0.0625
Sensor Surface [mm]								2.0
MAIA								N/A
leasurement Results								
Scan Type								5G Scan
Date								2022-01-05, 08:31
Avg. Area [cm ²]								4.00
psPDn+ [W/m ²]								0.522
psPDtot+ [W/m ²]							0.545	
psPDmod+ [W/m ²]							0.577	
Emax [V/m]								17.8



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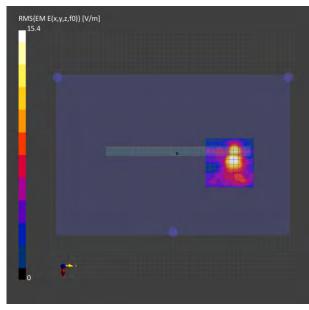
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ID:040 Report ho: EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz) _Tx1</u>

Device Under Test Properties										
Model, Manufacturer			Dimensions [mm]				IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0					Tablet		
Exposure Conditions										
Phantom Section	Position, Test Distance [m	ım]	Band	Group, UID		Frequency [MHz], Channel Numbe	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-5	WLAN, 10743-AAC		6345.0, 79			1.0	-
Hardware Setup	lardware Setup									
Phantom Me	dium	Probe, Calibration Date					DAE, Calibration Date			
mmWave Air	-	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06				DAE4 Sn1665, 2021-03-01			-
Scans Setup										
Scan Type									5G Scan	
Grid Extents [mm]									100.0 x 100.0	
Grid Steps [lambda]									0.0625 x 0.0625	
Sensor Surface [mm]									2.0	
MAIA									N/A	
Measurement Results										
Scan Type									5G Scan	
Date									2022-01-05, 10:33	
Avg. Area [cm ²]									4.00	
psPDn+ [W/m ²]									0.291	
psPDtot+ [W/m ²]									0.347	
psPDmod+ [W/m ²]									0.375	
E _{max} [V/m]							15.4			
Power Drift [dB]							-0.08			



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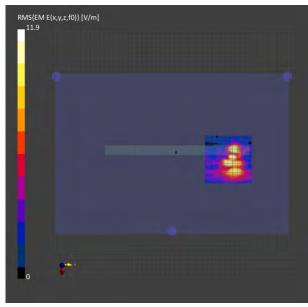
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Report No.: TESA2305000314EN Page: 128 of 155

ID:041 Report No. EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Tx1</u>

Device Under Test Properties										
Model, Manufacturer			Dimensions [mm]				IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0					Tablet		
Exposure Conditions										
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID		Frequency [MHz], Channel Numbe	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-6	WLAN, 10743-AAC		6505.0, 111			1.0	
Hardware Setup										
Phantom Me	ədium	Probe, Calibration Date					DAE, Calibration Date			
mmWave Air	mmWave Air - EUmmWV4 - SN9579_F1-55GHz, 2021-10-06						DAE4 Sn1665, 2021-03-01			
Scans Setup										
Scan Type									5G Scan	
Grid Extents [mm]									100.0 x 100.0	
Grid Steps [lambda]									0.0625 x 0.0625	
Sensor Surface [mm]									2.0	
MAIA									N/A	
Measurement Results										
Scan Type									5G Scan	
Date									2022-01-05, 12:38	
Avg. Area [cm ²]									4.00	
psPDn+ [W/m ²]									0.115	
psPDtot+ [W/m2]							0.163			
psPDmod+ [W/m²]									0.193	
E _{max} [V/m]									11.9	
Power Drift [dB]								-0.07		



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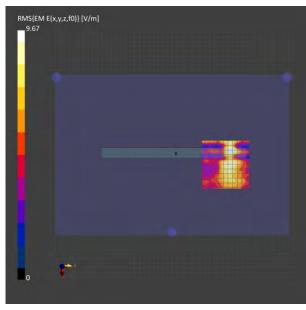
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ID:042 Report No. EN/2021/C0030 Measurement Report for Pixle, EDGE TOP, U-NII-7, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz) _Tx1

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Numbe	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-7	WLAN, 10743-AAC	6825.0, 175			1.0	
Hardware Setup									
Phantom Me	dium	Probe, Calibration Date				DAE, Calibration Date			
mmWave Air	EUmmWV4 - SN9579_F1-55GHz, 202			DAE4 Sn1665, 2021-03-01					
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-05, 14:49	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]					0.151				
psPDtot+ [W/m2]						0.155			
psPDmod+ [W/m²]								0.160	
E _{max} [V/m]								9.67	
Power Drift [dB]							0.18		



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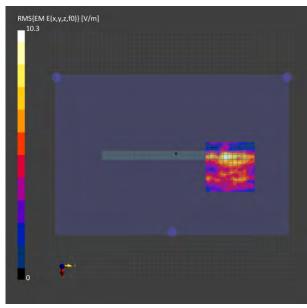
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ID:043 Report No. EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-8, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz) _</u>Tx1

		Dimensions [mm]				IMEI	DUT Type		
		227.0 x 309.0 x 21.0					Tablet		
Position, Test Distance [m	m]	Band	Group, UID		Frequency [MHz], Channel Number	r		Conversion Factor	
EDGE TOP, 2.00		U-NII-8	WLAN, 10743-AAC		6985.0, 207			1.0	
Hardware Setup									
dium	Probe, Calibration Date					DAE, Calibration Date			
-	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06				DAE4 Sn1665, 2021-03-01			-
									-
								5G Scan	
								100.0 x 100.0	
								0.0625 x 0.0625	
								2.0	
								N/A	
								5G Scan	
								2022-01-05, 17:00	
								4.00	
psPDn+ [W/m²]								0.148	
psPDtot+ [W/m ²]								0.163	
psPDmod+ [W/m ²]								0.172	
E _{max} [V/m]								10.3	
Power Drift [dB]								-0.18	
	EDGE TOP, 2.00	Position, Test Distance [mm] EDGE TOP, 2:00 Ilum Probe, Calibration Date	EDGE TOP, 2.00 U-NII-8	227.0 x 309.0 x 21.0 Position, Test Distance [mm] Band Group, UID EDGE TOP, 2.00 U-NII-8 WLAN, 10743-AAC Itum Probe, Calibration Date Vector	227.0 x 309.0 x 21.0 Position, Test Distance [mm] Band Group, UID EDGE TOP, 2.00 U-NII-8 WLAN, 10743-AAC	227.0 x 309.0 x 21.0 Position, Test Distance [mm] Band Group, UID Frequency [MHz], Channel Numbe EDGE TOP, 2.00 U-NII-8 WLAN, 10743-AAC 6885.0, 207	227 0 x 300 0 x 21.0 Frequency [MHz], Channel Number Position, Test Distance [mm] Band Group, UID Frequency [MHz], Channel Number EDGE TOP, 2.00 U-NIL-8 WLAN, 10743-AAC 6985.0, 207 Ium Probe, Calibration Date DAE, Calibration Date DAE, Calibration Date	227.0 x 309.0 x 21.0 Tablet Position, Test Distance (mm) Band Group, UID Frequency [MHz], Channel Number EDGE TOP, 2.00 U-NII-8 W1AN, 10743-AAC 6985.0, 207	Image: Second



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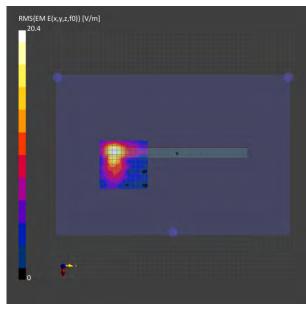
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ID:044 Report No: EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz) _Tx2</u>

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Numbe	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-5	WLAN, 10743-AAC	6025.0, 15			1.0	
Hardware Setup									
Phantom M	edium	Probe, Calibration Date				DAE, Calibration Date			
mmWave Ai	r-	EUmmWV4 - SN9579_F1-55GHz, 2021	-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-05, 21:11	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]								0.613	
psPDtot+ [W/m ²]						0.666			
psPDmod+ [W/m ²]		_				0.721			
E _{max} [V/m]							20.4		
Power Drift [dB]								0.18	



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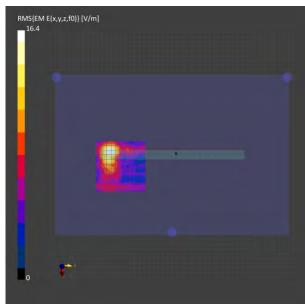
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ID:045 Report No: EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz) _Tx2</u>

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	ım]	Band	Group, UID	Frequency [MHz], Channel Number	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-5	WLAN, 10743-AAC	6185.0, 47			1.0	
Hardware Setup									
Phantom Me	dium	Probe, Calibration Date				DAE, Calibration Date			
mmWave Air	-	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-05, 23:22	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]						0.487			
psPDtot+ [W/m ²]						0.517			
psPDmod+ [W/m ²]								0.553	
E _{max} [V/m]								16.4	
Power Drift [dB]							0.17		



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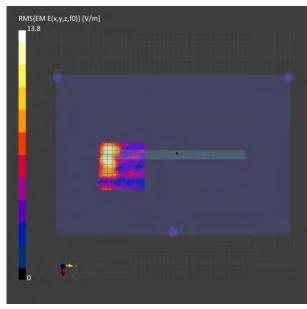
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ID:046 Report No. EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Tx2</u>

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Numbe	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-6	WLAN, 10743-AAC	6505.0, 111			1.0	
Hardware Setup									
Phantom Me	dium	Probe, Calibration Date				DAE, Calibration Date			
mmWave Air	-	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-06, 02:08	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]								0.270	
psPDtot+ [W/m2]						0.282			
psPDmod+ [W/m²]								0.340	
E _{max} [V/m]						13.7			
Power Drift [dB]							0.07		



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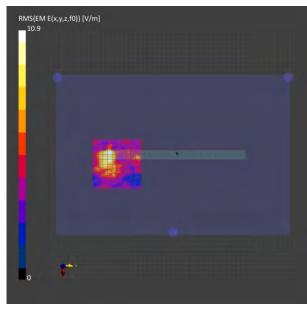
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Report No.: TESA2305000314EN Page: 134 of 155

ID:047 Report No. EN/2021/C0030 Measurement Report for Pixle, EDGE TOP, U-NII-7, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 143 (6665.0 MHz) _Tx2

Device Under Test Properties										
Model, Manufacturer			Dimensions [mm]				IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0					Tablet		
Exposure Conditions										
Phantom Section	Position, Test Distance [m	ım]	Band	Group, UID		Frequency [MHz], Channel Number	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-7	WLAN, 10743-AAC		6665.0, 143			1.0	
Hardware Setup										
Phantom Me	ədium	Probe, Calibration Date					DAE, Calibration Date			
mmWave Air	r-	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06				DAE4 Sn1665, 2021-03-01			
Scans Setup										
Scan Type									5G Scan	
Grid Extents [mm]									100.0 x 100.0	
Grid Steps [lambda]									0.0625 x 0.0625	
Sensor Surface [mm]									2.0	
MAIA									N/A	
Measurement Results										
Scan Type									5G Scan	
Date									2022-01-06, 04:34	
Avg. Area [cm ²]									4.00	
psPDn+ [W/m ²]									0.177	
psPDtot+ [W/m ²]									0.188	
psPDmod+ [W/m ²]									0.207	
E _{max} [V/m]							10.9			
Power Drift [dB]							0.08			



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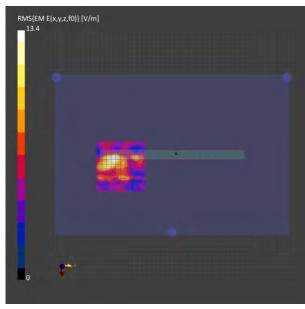
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Report No.: TESA2305000314EN Page: 135 of 155

ID:048 Report No. EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-8, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz)</u>

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Number	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-8	WLAN, 10743-AAC	6985.0, 207			1.0	
Hardware Setup									
Phantom Me	dium	Probe, Calibration Date				DAE, Calibration Date			
mmWave Air	-	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-06, 06:43	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]						0.269			
psPDtot+ [W/m2]						0.318			
psPDmod+ [W/m ²]								0.327	
E _{max} [V/m]								13.4	
Power Drift [dB]							0.14		



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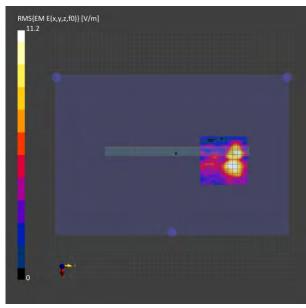
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Report No.: TESA2305000314EN Page: 136 of 155

ID:049 Report ho: EN/2021/C0030 Measurgment Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)_Tx1

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Number	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-5	WLAN, 10743-AAC	6025.0, 15			1.0	
Hardware Setup									
Phantom Me	edium	Probe, Calibration Date				DAE, Calibration Date			
mmWave Air	r-	EUmmWV4 - SN9579_F1-55GHz, 2021	-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-06, 09:29	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]							0.133		
psPDtot+ [W/m2]							0.186		
psPDmod+ [W/m²]								0.196	
Emax [V/m]							11.2		
Power Drift [dB]							0.09		



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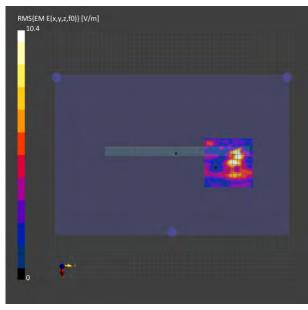
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Report No.: TESA2305000314EN Page: 137 of 155

ID:050 Report No. EN/2021/C0030 Measurgment <u>Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz) _Tx1</u>

Device Under Test Properties	S								
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Numbe	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-5	WLAN, 10743-AAC	6345.0, 79			1.0	
Hardware Setup									
Phantom	Medium	Probe, Calibration Date				DAE, Calibration Date			
mmWave	Air -	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-06, 12:36	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]								0.058	
psPDtot+ [W/m ²]								0.097	
psPDmod+ [W/m ²]								0.152	
E _{max} [V/m]								10.4	
Power Drift [dB]								-0.11	



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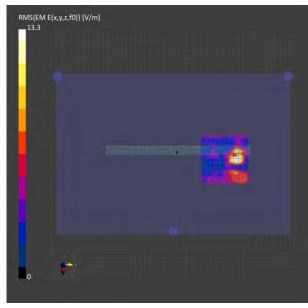
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ID:051 Report No. EN/2021/C0030 Measurement Report for Pixle, EDGE TOP, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)_Tx1

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Numbe	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-6	WLAN, 10743-AAC	6505.0, 111			1.0	
Hardware Setup									
Phantom	Medium	Probe, Calibration Date				DAE, Calibration Date			
mmWave .	Air -	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-06, 14:39	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]								0.113	
psPDtot+ [W/m ²]								0.152	
psPDmod+ [W/m ²]								0.208	
E _{max} [V/m]								13.3	
Power Drift [dB]								0.09	



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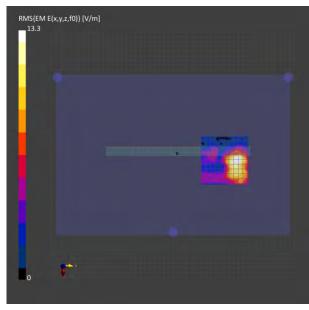
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Report No.: TESA2305000314EN Page: 139 of 155

ID:052 Report No. :EN/2021/C0030 Measurement Report for Pixle, EDGE TOP, U-NII-7, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz) _Tx1

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Numbe	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-7	WLAN, 10743-AAC	6825.0, 175			1.0	
Hardware Setup									
Phantom Medi	ium	Probe, Calibration Date				DAE, Calibration Date			
mmWave Air -		EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-06, 16:54	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]								0.296	
psPDtot+ [W/m ²]								0.320	
psPDmod+ [W/m ²]								0.347	
E _{max} [V/m]								13.3	
Power Drift [dB]								0.17	



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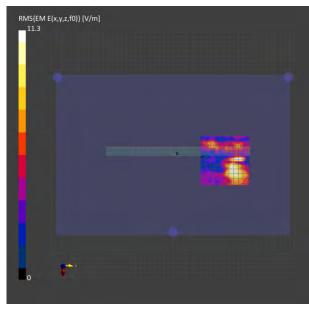
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Report No.: TESA2305000314EN Page: 140 of 155

ID:053 Report No. :EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-8, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 207 (6985.0 MHz) _</u>Tx1

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Numbe			Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-8	WLAN, 10743-AAC	6985.0, 207			1.0	
Hardware Setup									
Phantom Med	dium	Probe, Calibration Date				DAE, Calibration Date			
mmWave Air -		EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-06, 19:01	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]								0.112	
psPDtot+ [W/m2]								0.120	
psPDmod+ [W/m ²]								0.171	
E _{max} [V/m]								11.3	
Power Drift [dB]								0.04	



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Contess duter time states the results shown in this test report relief only to the sample(s) rester tained in solid sample(s) rest Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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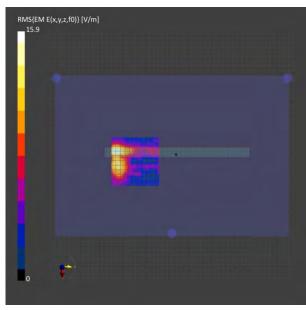
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Report No.: TESA2305000314EN Page: 141 of 155

ID:054 Report No. EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz) _Tx2</u>

Device Under Test Properties				-	. –					
Model, Manufacturer			Dimensions [mm]				IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0					Tablet		
Exposure Conditions										
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID		Frequency [MHz], Channel Number	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-5	WLAN, 10743-AAC		6025.0, 15			1.0	
Hardware Setup										
Phantom Med	ium	Probe, Calibration Date					DAE, Calibration Date			
mmWave Air -		EUmmWV4 - SN9579_F1-55GHz, 2021	1-10-06				DAE4 Sn1665, 2021-03-01			
Scans Setup										
Scan Type									5G Scan	
Grid Extents [mm]									100.0 x 100.0	
Grid Steps [lambda]									0.0625 x 0.0625	
Sensor Surface [mm]									2.0	
MAIA									N/A	
Measurement Results										
Scan Type									5G Scan	
Date									2022-01-06, 21:59	
Avg. Area [cm ²]									4.00	
psPDn+ [W/m ²]									0.317	
psPDtot+ [W/m ²]									0.362	
psPDmod+ [W/m ²]									0.386	
E _{max} [V/m]									15.9	
Power Drift [dB]									-0.02	



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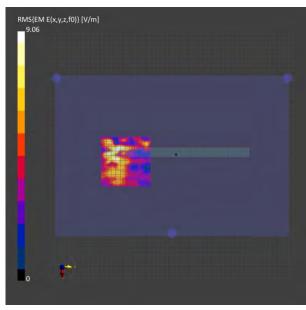
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ID:055 Report No. EN/2021/C0030 Measurement <u>Report for Pixle, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz) _Tx2</u>

Device Under Test Properties	3		-			. –					
Model, Manufacturer				Dimensions [mm]				IMEI	DUT Type		
Pixie,				227.0 x 309.0 x 21.0					Tablet		
Exposure Conditions											
Phantom Section	Position, Test Dis	stance (m	m]	Band	Group, UID		Frequency [MHz], Channel Number	r		Conversion Factor	
5G	EDGE TOP, 2.00			U-NII-5	WLAN, 10743-AAC		6185.0, 47			1.0	
Hardware Setup											
	Medium		Probe, Calibration Date					DAE, Calibration Date			
mmWave	Air -		EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06				DAE4 Sn1665, 2021-03-01			
Scans Setup											
Scan Type										5G Scan	
Grid Extents [mm]										100.0 x 100.0	
Grid Steps [lambda]										0.0625 x 0.0625	
Sensor Surface [mm]										2.0	
MAIA										N/A	
Measurement Results											
Scan Type										5G Scan	
Date										2022-01-07, 01:03	
Avg. Area [cm ²]										4.00	
psPDn+ [W/m ²]										0.085	
psPDtot+ [W/m2]										0.108	
psPDmod+ [W/m ²]										0.149	
E _{max} [V/m]										9.06	
Power Drift [dB]										-0.15	



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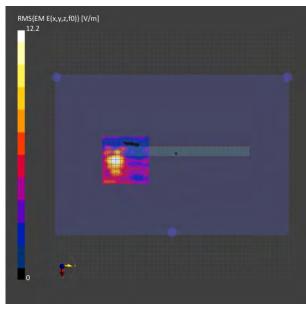
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Report No.: TESA2305000314EN Page: 143 of 155

ID:056 Report No. :EN/2021/C0030 Measurement Report for Pixle, EDGE TOP, U-NII-6, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz) _Tx2

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	m]	Band	Group, UID	Frequency [MHz], Channel Numbe	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-6	WLAN, 10743-AAC	6505.0, 111			1.0	
Hardware Setup									
Phantom M	fedium	Probe, Calibration Date				DAE, Calibration Date			
mmWave A	úr -	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-07, 04:05	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]								0.190	
psPDtot+ [W/m ²]								0.225	
psPDmod+ [W/m ²]								0.238	
Emax [V/m]								12.2	
Power Drift [dB]								0.18	



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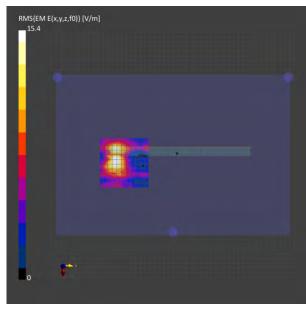
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488



Report No.: TESA2305000314EN Page: 144 of 155

ID:057 Report No. :EN/2021/C0030 Measurement Report for Pixie, EDGE TOP, U-NII-7, IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 143 (6665.0 MHz)_Tx2

Device Under Test Properties									
Model, Manufacturer			Dimensions [mm]			IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0				Tablet		
Exposure Conditions									
Phantom Section	Position, Test Distance [m	ım]	Band	Group, UID	Frequency [MHz], Channel Number	r		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-7	WLAN, 10743-AAC	6665.0, 143			1.0	
Hardware Setup									
Phantom Me	edium	Probe, Calibration Date				DAE, Calibration Date			
mmWave Air	-	EUmmWV4 - SN9579_F1-55GHz, 202	1-10-06			DAE4 Sn1665, 2021-03-01			
Scans Setup									
Scan Type								5G Scan	
Grid Extents [mm]								100.0 x 100.0	
Grid Steps [lambda]								0.0625 x 0.0625	
Sensor Surface [mm]								2.0	
MAIA								N/A	
Measurement Results									
Scan Type								5G Scan	
Date								2022-01-07, 07:18	
Avg. Area [cm ²]								4.00	
psPDn+ [W/m ²]								0.261	
psPDtot+ [W/m2]								0.354	
psPDmod+ [W/m ²]								0.370	
E _{max} [V/m]								15.4	
Power Drift [dB]								0.05	



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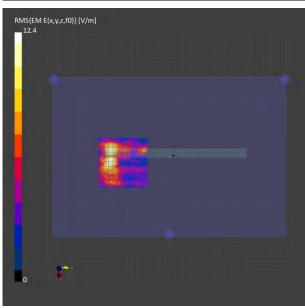
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Report No.: TESA2305000314EN Page: 145 of 155

ID:058 Report No. :EN/2021/C003 Measurement Report for Device Under Test Proper	Pixie, EDGE TOP, U-NII-8	3, IEEE 802.11ax (160MHz, MCS	0, 90pc duty cycl	le), Channel 207 (6985	.0 MHz) _Tx2					
Model, Manufacturer			Dimensions [mm]				IMEI	DUT Type		
Pixie,			227.0 x 309.0 x 21.0					Tablet		
Exposure Conditions										
Phantom Section	Position, Test Distance	a [mm]	Band	Group, UID		Frequency [MHz], Channel Numb	er		Conversion Factor	
5G	EDGE TOP, 2.00		U-NII-8	WLAN, 10743-AAC		6985.0, 207			1.0	
Hardware Setup										
Phantom	Medium	Probe, Calibration Date					DAE, Calibration Date			
mmWave	Air -	EUmmWV4 - SN9579_F1-55GHz, 20	21-10-06				DAE4 Sn1665, 2021-03-01			
Scans Setup										
Scan Type									5G Scan]
Grid Extents [mm]									100.0 x 100.0	l
Grid Steps [lambda]									0.0625 x 0.0625	
Sensor Surface [mm]									2.0	l
MAIA									N/A	
Measurement Results										1
Scan Type									5G Scan	
Date									2022-01-07, 10:47	l
Avg. Area [cm ²]									4.00	
psPDn+ [W/m ²]									0.182	
psPDtot+ [W/m ²]									0.203	
psPDmod+ [W/m ²]									0.230	
E _{max} [V/m]									12.4	
Power Drift [dB]									0.12	



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14 SAR SYSTEM CHECK RESULTS

Date: 2021/12/29

Report No. :EN/2021/C0030

Dipole 2450 MHz, SN:727 Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1 Medium parameters used: f = 2450 MHz; σ = 1.811 S/m; ϵ_r = 38.544; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(7.67, 7.67, 7.67) @ 2450 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x61x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 19.2 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.11 V/m; Power Drift = -0.10 dB

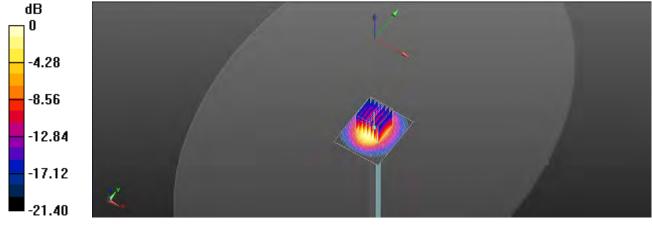
Peak SAR (extrapolated) = 27.2 W/kg

SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.19 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 49.6%

Maximum value of SAR (measured) = 17.3 W/kg



0 dB = 17.3 W/kg = 12.38 dBW/kg

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Date: 2021/12/30

Report No. :EN/2021/C0030 Dipole 5200 MHz, SN:1023

Communication System: CW; Frequency: 5200 MHz; Duty cycle= 1:1 Medium parameters used: f = 5200 MHz; σ = 4.655 S/m; ϵ_r = 37.2; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 21.8°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5200 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm

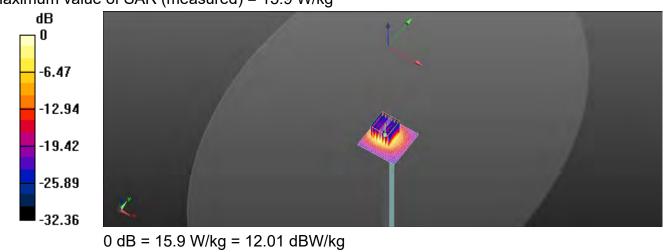
Maximum value of SAR (interpolated) = 16.8 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 48.55 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 30.2 W/kg

SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.33 W/kg Smallest distance from peaks to all points 3 dB below = 7.6 mm Ratio of SAR at M2 to SAR at M1 = 56.7% Maximum value of SAR (measured) = 15.9 W/kg



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Date: 2021/12/31

Report No. :EN/2021/C0030 Dipole 5300 MHz, SN:1023

Communication System: CW; Frequency: 5300 MHz; Duty cycle= 1:1 Medium parameters used: f = 5300 MHz; σ = 4.792 S/m; ϵ_r = 37.022; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(5.61, 5.61, 5.61) @ 5300 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 17.3 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

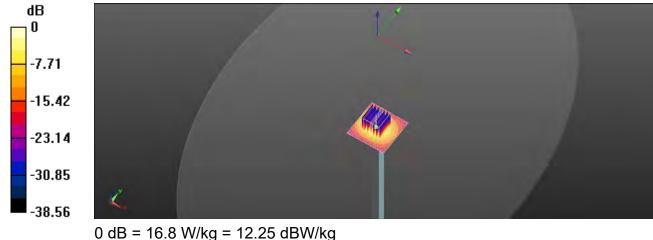
Reference Value = 62.38 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 37.3 W/kg

SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.2 W/kg Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 48.8%

Maximum value of SAR (measured) = 16.8 W/kg



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Date: 2022/1/1

Report No. :EN/2021/C0030 Dipole 5600 MHz, SN:1023

Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1 Medium parameters used: f = 5600 MHz; σ = 5.154 S/m; ϵ_r = 36.589; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.9, 4.9, 4.9) @ 5600 MHz; Calibrated: 2021/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 20.2 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 65.37 V/m; Power Drift = 0.02 dB

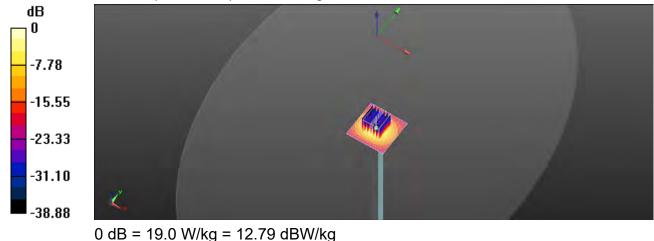
Peak SAR (extrapolated) = 45.0 W/kg

SAR(1 g) = 8.77 W/kg; SAR(10 g) = 2.46 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 46.3%

Maximum value of SAR (measured) = 19.0 W/kg



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Date: 2022/1/2

Report No. : EN/2021/C0030 Dipole 5800 MHz, SN:1023

Communication System: CW; Frequency: 5800 MHz; Duty cycle= 1:1 Medium parameters used: f = 5800 MHz; σ = 5.389 S/m; ϵ_r = 35.923; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 21.7°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 SN3770; ConvF(4.95, 4.95, 4.95) @ 5800 MHz; Calibrated: 2021/4/28 •
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2021/4/23
- Phantom: ELI •
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 17.5 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 62.37 V/m; Power Drift = 0.04 dB

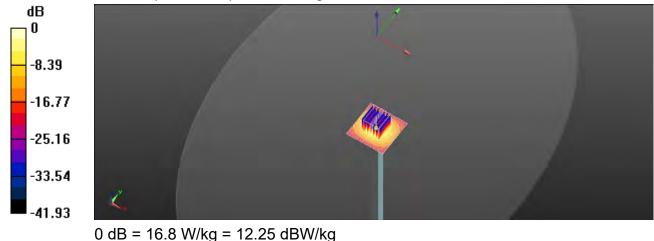
Peak SAR (extrapolated) = 38.3 W/kg

SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.34 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 47.6%

Maximum value of SAR (measured) = 16.8 W/kg



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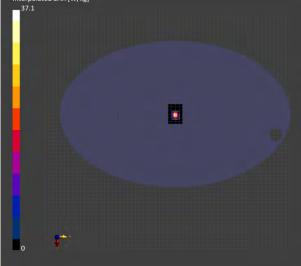


Report No.: TESA2305000314EN Page: 151 of 155

Report No. :EN/2021/C0030 Measurement Report for Device, FRONT, Validation band, CW, Channel 6500 (6500.0 MHz) Device Under Test Properties

Device Under Test Propertie	89										
Model, Manufacturer			Dimensions	[mm]		IM	IEI			DUT Type	
Dipole,			6.0 x 16.0 x 3	300.0		SN	N:1006			Dipole	
Exposure Conditions											
Phantom Section, TSL	Position, Test Distance [mm]	Band		Group, UID	Frequency [MHz], Channel Number		Conversion	n Factor	TSL Condu	ctivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	Validation bar	nd	CW, 0	6500.0, 6500		5.7		5.974		34.093
Hardware Setup											
Phantom	TSL, Measured Date		Probe, C	Calibration Date				DAE, Calibration Dat	e		
ELI	HBBL-600-10000			4 - SN7466, 2021-01-29				DAE4 Sn1665, 2021			
Scans Setup				T	Area Scan						Zoom Scan
Grid Extents [mm]				+	51.0 x 36.0					22.0	x 22.0 x 22.0
Grid Steps [mm]					8.5 x 6.0						.4 x 3.4 x 1.4
Sensor Surface [mm]					3.0						1.4
Graded Grid					3.0 Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
Measurement Results											
					Area	Scan					Zoom Scan
Date					2022-01-03,	06:00				2022	-01-03, 06:10
psSAR1g [W/Kg]						22.8					27.8
psSAR10g [W/Kg]						4.82					5.28
Power Drift [dB]						0.02					-0.03
Power Scaling					Dis	abled					Disabled
Scaling Factor [dB]											
TSL Correction					No corr	ection					No correction
M2/M1 [%]											54.1
Dist 3dB Peak [mm]											4.9

Interpolated SAR [W/kg]



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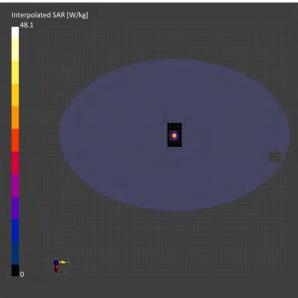
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Report No. :EN/2021/C0030 Measurement Report for Device, FRONT, Validation band, CW, Channel 7000 (7000.0 MHz) Device Under Test Properties

Model, Manufacturer Dipole, Exposure Conditions Phantom Section, TSL Flat, HSL	Position, Test Distance [mm]		Dimensions 6.0 x 14.0 x				EI			DUT Type	
Exposure Conditions Phantom Section, TSL	Position, Test Distance [mm]		6.0 x 14.0 x	297.0							
Phantom Section, TSL	Position, Test Distance [mm]					st	N:1006			Dipole,	
Phantom Section, TSL	Position, Test Distance [mm]										
Flat USI		Band		Group, UID	Frequency [MHz], Channel Number		Conversion	Factor	TSL Condu	ctivity [S/m]	TSL Permittivity
Tiat, TIOL	FRONT, 5.00	Validation ban	nd	CW, 0	7000.0, 7000		5.85		6.547		33.502
Hardware Setup											
Phantom	TSL, Measured Date		Probe, C	Calibration Date				DAE, Calibration Da	te		
ELI	HBBL-600-10000		EX3DV4	- SN7466, 2021-01-29	9			DAE4 Sn1665, 2021	-03-01		
Scans Setup											
· · · · · · · · · · · · · · · · · · ·					Area Scan						Zoom Scan
Grid Extents [mm]					60.0 x 36.0					22.0	« 22.0 × 22.0
Grid Steps [mm]					7.5 x 6.0					3.	0 x 3.0 x 1.4
Sensor Surface [mm]					3.0						1.4
Graded Grid					Yes						Yes
Grading Ratio					1.5						1.4
MAIA					N/A						N/A
Surface Detection					VMS + 6p						VMS + 6p
Scan Method					Measured						Measured
Measurement Results						-					
					Area	Scan					Zoom Scan
Date					2022-01-03					2022-	01-03, 06:39
psSAR1g [W/Kg]						26.5					28.0
psSAR10g [W/Kg]						4.81					4.75
Power Drift [dB]						-0.11					0.03
Power Scaling					Di	sabled					Disabled
Scaling Factor [dB]											
TSL Correction					No con	ection				1	lo correction
M2/M1 [%]											49.5
Dist 3dB Peak [mm]											4.8



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Date: 2023/5/26

Report No. : TESA2305000314EN

Dipole 5750 MHz_SN:1349 Communication System: CW; Frequency: 5750 MHz; Duty cycle= 1:1 Medium parameters used: f = 5750 MHz; σ = 5.27 S/m; ϵ_r = 34.846; ρ = 1000 kg/m³ Phantom section: Flat Section Ambient temperature: 22.3°C; Liquid temperature: 22.1°C

DASY5 Configuration:

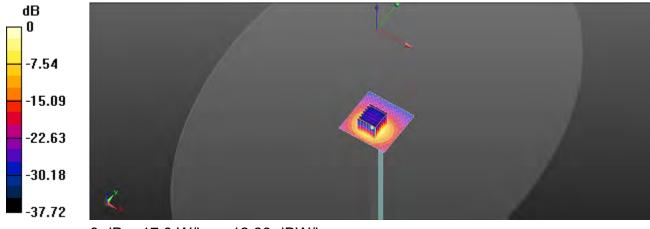
- Probe: EX3DV4 SN7509; ConvF(5.12, 5.16, 5.51) @ 5750 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1260; Calibrated: 2022/9/22
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x61x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 16.9 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 39.71 V/m; Power Drift = 0.09 dB Peak SAR (extrapolated) = 34.8 W/kg SAR(1 g) = 8.02 W/kg; SAR(10 g) = 2.26 W/kg Smallest distance from peaks to all points 3 dB below = 7.4 mm Ratio of SAR at M2 to SAR at M1 = 52.9% Maximum value of SAR (measured) = 17.0 W/kg



0 dB = 17.0 W/kg = 12.30 dBW/kg

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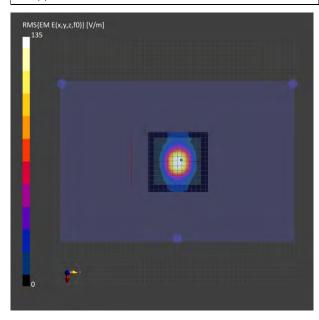
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15 PD SYSTEM CHECK RESULTS

Report No. :EN/2021/C0030 Measurement Report for 10G Source,, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Device Under Test Prope	erties				,						
Model, Manufacturer					Dimensions [mm]				IMEI	DUT Type	
5G Verification Source 10 GHz.					100.0 x 100.0 x 172	2.0			SN:1021	Dipole	
Exposure Conditions											
Phantom Section		Position, Test Distance [m	m]	Band		Group, UID	Fr	requency [MHz], Channel Number		Conversion Factor	
5G		FRONT, 10.00		Validation ban	t i	CW, 0	10	0000.0, 10000		1.0	
ardware Setup hantorn Medium Probe, Calibration Date DAE, Calibration Date											
Phantom	Medi	um	Probe, Calibration Date						DAE, Calibration Date		
Phantom Medum Probe, Calibration Dale DAE, Calibration Dale mmWave Air - A EUmmWV4-SN9579_F1-55GHz, 2021-10-06 DAE4 Sn1665, 2021-03-01											
mmWave Air - EUmmWV4 - SN9579_F1-55GHz, 2021-10-06 DAE4 Sn1665, 2021-03-01 Scans Setup											
										5G Scan	
Grid Extents [mm]										120.0 x 120.0	
Scans Setup 6G Scan Scan Type 6G Scan											
Sensor Surface [mm]										10.0	
MAIA										N/A	
Measurement Results											
Scan Type										5G Scan	
Date										2022-01-05, 05:05	
Avg. Area [cm ²]										4.00	
psPDn+ [W/m ²]							_			41.0	
psPDtot+ [W/m ²]										41.2	
psPDmod+ [W/m ²]							_			41.3	
E _{max} [V/m]										131	
Power Drift [dB]										0.02	



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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
- SAR Appendix C Phantom Description & Dipole Cal. Certificate 16.3

- End of report -

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