

Page: 1 of 208

RF Exposure report





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

Convertible PC **Product Name**

HP **Brand Name**

TPN-C158 Model No.

HP Inc **Applicant**

1501 Page Mill Road, Palo Alto, CA 94304, USA

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

FCC ID B94-RTL8852CEB

Date of EUT Receipt Oct. 24, 2022

Date of Test(s) Nov. 25, 2022 ~ Dec. 07, 2022

Date of Issue Dec. 13, 2022

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

Remarks:

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

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Signed on behalf of SGS

Clerk / Cindy Chou	PM / Afu Chen	Approved By / John Yeh
Cindy Chou	afu Chen	John Teh

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Date: Dec. 13, 2022



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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2210000419EN	00	Initial creation of document	Dec. 13, 2022	Cindy Chou	

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

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1 GENERAL INFORMATION

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards:

IEEE/ANSI C95.1-1992

IEEE 1528-2013

KDB447498D01v06

KDB865664D01v01r04

KDB865664D02v01r02

KDB616217D04v01r02

KDB248227D01v02r01

IEC/IEEE 62209-1528:2020

SPEAG DASY6 System Handbook

SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)

IEC TR 63170:2018

IEC 62479:2010

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1.2 Description of EUT

Product Name	Convertible PC									
Brand Name	HP									
Model No.	TPN-C158									
FCC ID	B94-RTL8852CEB									
Integrated WLAN Module	Brand Name: REALTEK Model Name: RTL8852CE									
Mode	WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80 HE160 Bluetooth BR/EDR/LE									
Duty Cyclo	WLAN802.11	Please refer to section 7								
Duty Cycle	Bluetooth	Please refer to section 7								
	802.11 b/g/n/ax	2.4GHz (2400.0 – 2483.5 MHz)								
Supported radios (TX	802.11a/n/ac/ax	5.2GHz (5150.0 –5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz) 5.9GHz (5850.0 – 5895.0 MHz)								
Frequency Range, MHz)	802.11ax	6.2GHz (5925.0 – 6425.0 MHz) 6.5GHz (6425.0 – 6525.0 MHz) 6.7GHz (6525.0 – 6875.0 MHz) 7.0GHz (6875.0 – 7125.0 MHz)								
	Bluetooth 5.2	2.4GHz (2400.0 – 2483.5 MHz)								

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Maximum value

Vendor 1

VCHGOI I			1											
Summary of Maximum SAR and Power Density Value														
Mode	Highest SAR 1g Body (W/kg)	Highest APD (W/m^2)	Highest PD (W/m^2)											
Bluetooth(GFSK)	0.04	N/A	N/A											
2.4G WLAN	0.36	N/A	N/A											
5G WLAN	1.18	N/A	N/A											
6G WLAN	1.11	6.16	4.35											

Vendor 2

Summary of Maximum SAR and Power Density Value													
Mode	Highest SAR 1g Body (W/kg)	Highest APD (W/m^2)	Highest PD (W/m^2)										
Bluetooth(GFSK)	0.02	N/A	N/A										
2.4G WLAN	0.4	N/A	N/A										
5G WLAN	1.19	N/A	N/A										
6G WLAN	1.02	5.23	5.41										

Antenna Information 1.4

Vendor 1																			
											WLAN Tx1								
				219HCT	N12198					219HCTN12197									
2400~2500 5150~5250 5250~5350 5470~5725 5725~5850 5725~5850 5850~5895 6425~6525 6525~6875 6875											5150~5250	5250~5350	5470~5725	5725~5850	5850~5895		6425~6525	6525~6875	
1.03	1.77	2.52	2.62	2.95	2.55	2.59	0.05	2.62	0.31	2.37	0.88	2.33	2.94	2.92	2.92	2.55	2.54	2.54	0.51
on is provide	d by the applic	cant.																	
_	1.03	1.03 1.77		1.03 1.77 2.52 2.62	219HCT 00-2500 5150-5250 5250-5350 5470-5725 5725-5850 1.03 1.77 2.52 2.62 2.95	1.03 1.77 2.52 2.62 2.95 2.55	219HCTN12198 00-2500 5150-5250 5250-5350 5470-5725 5725-5850 5725-5850 5850-5895 1.03 1.77 2.52 2.62 2.95 2.55 2.55 2.59	00-2500 5150-6250 5250-5350 5470-5725 219HCTN12198 00-2500 5150-6250 5250-5350 5470-5725 5250 5725-5850 5850-6895 6425-6625 1.03 1.77 2.52 2.62 2.95 2.55 2.55 0.05	WLANT-72 219HCTN12198 2219HCTN12198 0-2500 5150-5250 5250-5350 5470-5725 5725-5850 5725-5850 5850-5855 6425-6625 6525-6875 0-250 0	### T\$2 ###	WLAN T22 219HCTIN12198 219HCTIN12198 6250 5250 5250 5470-5725 5725-5850 5850-5895 6425-6525 6525-6875 6875-7125 200-2500 103 1,77 2,52 2,62 2,96 2,55 2,99 0,05 2,62 0,31 2,37	W.M.N T-Z 219HCTN12198 219HCTN12198 00-2500 5150-5250 5250-5350 5470-5725 5725-5850 5725-5850 5850-5895 6425-6925 6525-6875 8675-7125 2400-2500 5150-5250 1.03 1.77 2.52 2.62 2.95 2.55 2.59 0.05 2.62 0.31 2.37 0.88	WLANT122 219HCTN12198 00-2500 5150-5250 5250-5350 5470-5725 5725-5850 5725-5850 5850-5895 6425-6525 6525-6875 6875-7125 2400-2500 5150-5250 5250-5350 103 1.77 2.62 2.62 2.95 2.55 2.55 2.59 0.05 2.62 0.31 2.37 0.88 2.33	### Ty2 2194CTN12198 0-2500 5150-5250 5250-5350 5470-5725 5725-5850 5725-5850 5895-5895 6425-6525 6525-6875 6875-7125 2400-2500 5150-5250 5250-5350 4770-6725 103 1.77 2.52 2.62 2.95 2.55 2.95 2.95 2.55 2.90 0.65 2.62 0.31 2.37 0.88 2.33 2.37 104 2.75	### TABLE TA	WAN T-12 T3HC T112 T3HC T12 T3HC T	Section Sect	Table Tabl	Tell Control Tell

Tablet mode																				
	Vendor 1																			
Antenna		WLAN Tx1 WLAN Tx1																		
Part Number					219HC1	N12198					219HCTN12197									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5725~5850	5850~5895	6425~6525	6525~6875	6875~7125	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	1.84	2.30	2.52	2.86	2.85	2.40	2.90	1.18	2.60	0.16	0.8	1.87	2.64	2.68	2.68	2.38	2.81	1.81	2.01	1.93
Note: Antenna inform	mation is provid	led by the appl	icant																	

Laptop mode																				
	Vendor 2																			
Antenna	WLAN Tx2 WLAN Tx1																			
Part Number					48EABP0						48EABP02.SGCLOC									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5725~5850	5850~5895	6425~6525	6525~6875	6875~7125	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	1.84	0.71	2.17	1.26	1.22	1.22	2.64	1.78	2.98	0.47	1.00	-1.17	2.4	2.84	2.84	2.75	2.50	2.50	1.83	
Note: Antenna inform	nation is provid	ed by the appl	icant.																	

	. Vendor 2																			
Antenna		WLAN Tx2 WLAN Tx1																		
Part Number					48EABP01	I.SGCLOC					48EABP02.SGCLOC									
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5725~5850	5850~5895	6425~6525	6525~6875	6875~7125	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	-1.59	1.35	2.37	1.88	1.12	2.91	-0.54	0.98	0.98	1.11	1.11	-0.84	0.63	1.39	2.10	0.30				
Note: Antenna inform	mation is provio	ded by the appl	licant.																	

Note: Antenna information is provided by the applicant.

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2 MEASUREMENT SYSTEM

2.1 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier	
	1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road,	SAR 2			
	Neihu District, Taipei City, 11493, Taiwan.	SAR 6	TW0029		
SGS Taiwan Ltd.	No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan	SAR 1		TW3702	
Central RF Lab. (TAF code 3702)		SAR 4	TW0028		
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku	SAR 3			
	District, New Taipei City, Taiwan	SAR 7	TW0027		

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

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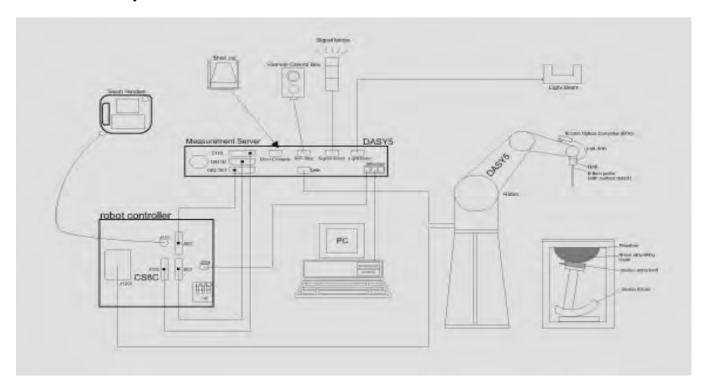


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2.2 SAR System

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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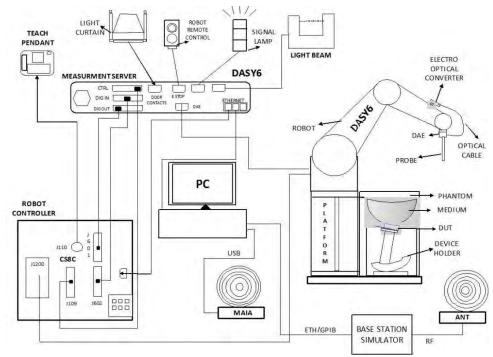
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Block Diagram (DASY6)

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

CV2DA4 C-I	ield i Tobe
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: ± 0.2 dB (noise: typically < 1 μW/g)
Dimensions	Tip diameter: 2.5 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.

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PHANTOM (FI I)

PHANTOW (E	ELI)	
Model	ELI	
Construction	The ELI phantom is used for compliance testing of har mounted wireless devices in the frequency range of 3 ELI is fully compatible with the IEC 62209-2 standard tissue simulating liquids. ELI has been optimized performance and can be integrated into our standard processed to cover prevents evaporation of the liquid. Reference phantom allow installation of the complete setup, include phantom positions and measurement grids, by teaching phantom is compatible with all SPEAG dosimetric probability.	30 MHz to 6 GHz. ard and all known ed regarding its phantom tables. A markings on the ding all predefined three points. The
Shell	2 ± 0.2 mm	10000
Thickness		1000
Filling Volume	e Approx. 30 liters	
Dimensions	Major axis: 600 mm	THE RESERVE THE PARTY OF THE PA
	Minor axis: 400 mm	

DEVICE HOLDER (ELI)

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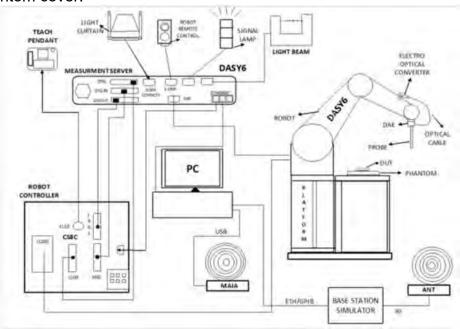


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PD system

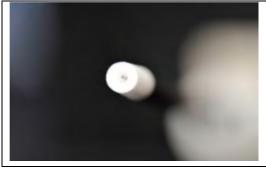
Block Diagram (DASY6)

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



EUmmWVx probe

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



Two dipoles optimally arranged to obtain pseudovector information.Minimum 3 measurements/ point, 120° rotated around probe axis.

Sensors (0.8mm length) printed on glass substrate protected by high density foam.Low perturbation of the measured field. Requires positioner which can do accurate probe rotation.

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

mmWave Phantom

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

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3 SAR SYSTEM VERIFICATION

3.1 Tissue Simulating Liquid

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with homogeneous tissue simulating liquid. For head SAR testing, the liquid height from the ear 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 \pm 5% of the target values.

3.3 Measurement results of Tissue Simulant Liquid

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ver	ndor 1							
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 εr	% dev σ
		2402	39.282	1.757	39.368	1.789	0.22%	1.79%
		2412	39.265	1.766	39.324	1.8	0.15%	1.91%
		2437	39.222	1.788	39.218	1.829	-0.01%	2.27%
	Nov, 25. 2022	2441	39.215	1.792	39.204	1.833	-0.03%	2.29%
		2450	39.200	1.800	39.18	1.843	-0.05%	2.39%
		2462	39.184	1.813	39.129	1.856	-0.14%	2.38%
		2480	39.160	1.832	39.057	1.875	-0.26%	2.35%
		5190	36.010	4.650	35.634	4.63	-1.04%	-0.42%
		5230	35.970	4.690	35.524	4.682	-1.24%	-0.17%
	Nov, 26. 2022	5250	35.950	4.710	35.474	4.711	-1.32%	0.02%
		5270	35.930	4.730	35.446	4.742	-1.35%	0.25%
		5310	35.890	4.770	35.29	4.788	-1.67%	0.38%
		5510	35.635	4.976	34.881	5.019	-2.12%	0.87%
		5530	35.605	4.997	34.805	5.043	-2.25%	0.93%
		5600	35.500	5.070	34.641	5.131	-2.42%	1.20%
		5610	35.490	5.080	34.613	5.143	-2.47%	1.24%
		5670	35.430	5.140	34.512	5.214	-2.59%	1.44%
111		5690	35.410	5.160	34.459	5.237	-2.69%	1.49%
Head	Nov, 27. 2022	5710	35.390	5.180	34.423	5.26	-2.73%	1.54%
		5745	35.355	5.215	34.358	5.298	-2.82%	1.59%
		5750	35.350	5.220	34.339	5.303	-2.86%	1.59%
		5775	35.325	5.245	34.313	5.34	-2.86%	1.81%
		5785	35.315	5.255	34.298	5.35	-2.88%	1.81%
		5825	35.275	5.296	34.235	5.403	-2.95%	2.02%
		5855	35.245	5.328	34.185	5.435	-3.01%	2.01%
		6025	35.070	5.510	36.031	5.61	2.74%	1.82%
		6185	34.878	5.698	35.826	5.803	2.72%	1.84%
		6345	34.686	5.887	35.618	5.998	2.69%	1.88%
	N 00 . 0000	6500	34.500	6.070	35.412	6.188	2.64%	1.94%
	Nov, 28. 2022	6505	34.494	6.076	35.402	6.195	2.63%	1.96%
		6665	34.302	6.261	35.192	6.39	2.59%	2.05%
		6825	34.110	6.447	34.983	6.581	2.56%	2.08%
		6865	34.062	6.493	34.915	6.633	2.50%	2.15%
		6945	33.966	6.586	34.802	6.732	2.46%	2.21%
	Nov, 29. 2022	7000	33.900	6.650	34.725	6.802	2.43%	2.29%
		7025	33.870	6.680	34.68	6.835	2.39%	2.33%

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Ver	ndor 2							
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 εr	% dev σ
		2402	39.282	1.757	39.5	1.778	0.55%	1.17%
		2412	39.265	1.766	39.456	1.789	0.49%	1.28%
		2437	39.222	1.788	39.351	1.818	0.33%	1.65%
	Nov, 30. 2022	2441	39.215	1.792	39.336	1.822	0.31%	1.67%
		2450	39.200	1.800	39.312	1.831	0.29%	1.72%
		2462	39.184	1.813	39.261	1.844	0.20%	1.72%
		2480	39.160	1.832	39.189	1.863	0.07%	1.69%
		5190	36.010	4.650	35.76	4.609	-0.69%	-0.87%
		5230	35.970	4.690	35.65	4.661	-0.89%	-0.62%
	Dec, 01. 2022	5250	35.950	4.710	35.6	4.69	-0.97%	-0.42%
		5270	35.930	4.730	35.572	4.721	-1.00%	-0.19%
		5310	35.890	4.770	35.415	4.766	-1.32%	-0.08%
	Dec, 02. 2022	5510	35.635	4.976	35.007	4.996	-1.76%	0.41%
		5530	35.605	4.997	34.931	5.02	-1.89%	0.47%
		5600	35.500	5.070	34.767	5.108	-2.06%	0.75%
		5610	35.490	5.080	34.739	5.121	-2.12%	0.81%
		5670	35.430	5.140	34.638	5.191	-2.24%	0.99%
Head		5690	35.410	5.160	34.585	5.214	-2.33%	1.05%
пеац		5710	35.390	5.180	34.548	5.237	-2.38%	1.10%
		5745	35.355	5.215	34.484	5.275	-2.46%	1.15%
		5750	35.350	5.220	34.465	5.28	-2.50%	1.15%
		5775	35.325	5.245	34.439	5.317	-2.51%	1.37%
		5785	35.315	5.255	34.424	5.327	-2.52%	1.37%
		5825	35.275	5.296	34.361	5.38	-2.59%	1.58%
		5855	35.245	5.328	34.311	5.411	-2.65%	1.56%
		6025	35.070	5.510	35.901	5.597	2.37%	1.59%
		6185	34.878	5.698	35.696	5.791	2.35%	1.63%
		6345	34.686	5.887	35.494	5.987	2.33%	1.70%
	Dog 02 2022	6500	34.500	6.070	35.28	6.18	2.26%	1.81%
	Dec, 03. 2022	6505	34.494	6.076	35.264	6.188	2.23%	1.85%
		6665	34.302	6.261	35.062	6.379	2.22%	1.88%
		6825	34.110	6.447	34.85	6.572	2.17%	1.94%
		6865	34.062	6.493	34.791	6.622	2.14%	1.98%
		6945	33.966	6.586	34.672	6.725	2.08%	2.11%
	Dec, 04. 2022	7000	33.900	6.650	34.595	6.799	2.05%	2.24%
		7025	33.870	6.680	34.549	6.834	2.00%	2.31%

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The composition of the tissue simulating liquid:

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

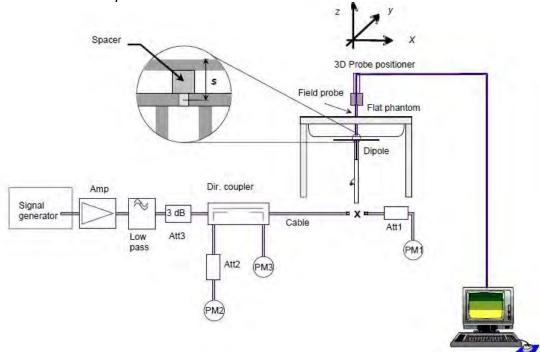
Broad-band head	SPEAG Product	Frequency range (MHz)	Main Ingredients
tissue simulating liquids	HBBL600- 10000V6	600 - 10000	Water, Oil

3.5 System check

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

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

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



The block diagram of system check

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System check results

Vandor 1

vendor 1								
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D2450V2	727	2450	52.8	13.3	53.2	0.76	± 10%	Nov.25,2022
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D5GHzV2	1023	5250	81	8.15	81.5	0.62	± 10%	Nov.26,2022
D5GHzV2	1023	023 5600		8.39	83.9	-0.59	± 10%	Nov.27,2022
D5GHzV2	1023	5750	81	7.98	79.8	-1.48	± 10%	Nov.27,2022
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D6.5GHzV2	1006	6500	292	28.3	283	-3.08	± 10%	Nov.28,2022
D7GHzV2	1007	7000	278	26.4	264	-5.04	± 10%	Nov.29,2022
Validation Kit	Frequency		1W Target APD (W/m^2) (4cm^2)	pin=100mW Measured APD (W/m^2) (4cm^2)	Normalized to 1W APD (W/m^2) (4cm^2)	Deviation (%)	Limit	Measurement Date
D6.5GHzV2	1006	6500	1320	130	1300	-1.52	± 10%	Nov.28,2022
D7GHzV2	1007	7 7000 1210		118	1180	-2.48	± 10%	Nov.29,2022

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Vendor 2

vendor z								
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D2450V2	727	2450	52.8	13.2	52.8	0.00	± 10%	Nov.30,2022
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D5GHzV2	1023	5250	81	8.23	82.3	1.60	± 10%	Dec.01,2022
D5GHzV2	1023	5600	84.4	8.46	84.6	0.24	± 10%	Dec.02,2022
D5GHzV2	1023	5750	81	8.15	81.5	0.62	± 10%	Dec.02,2022
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D6.5GHzV2	1006	6500	292	28.1	281	-3.77	± 10%	Dec.03,2022
D7GHzV2	1007	7000	278	26.6	266	-4.32	± 10%	Dec.04,2022
Validation Kit	S/N	Frequency (MHz)	1W Target APD (W/m^2) (4cm^2)	pin=100mW Measured APD (W/m^2) (4cm^2)	Normalized to 1W APD (W/m^2) (4cm^2)	Deviation (%)	Limit	Measurement Date
D6.5GHzV2	1006	6500	1320	129	1290	-2.27	± 10%	Dec.03,2022
D7GHzV2	1007	7000	1210	119	1190	-1.65	± 10%	Dec.04,2022

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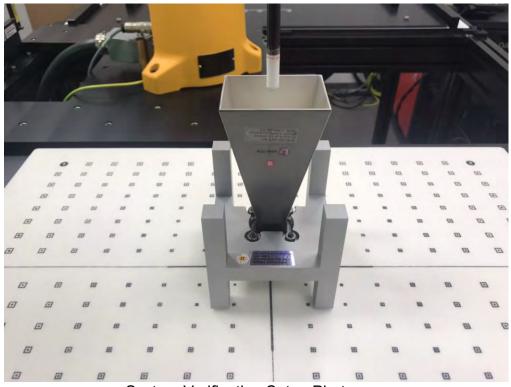
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PD SYSTEM VERIFICATION

System check

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

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



System Verification Setup Photo

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4.2 System check result

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

Frequency (MHz)	PD Verification Source (MHz)	Probe S/N	DAE S/N	Distance (mm)	Prad (mW)	Measured 4cm^2 (W/m^2)	Target 4cm^2 (W/m^2)	Deviation (dB)	Date
10000	10000	9635	1260	10	86.1	52.7	51.7	0.08	Dec.05,2022

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5 TEST CONFIGURATIONS

5.1 Test Environment

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

5.2 Test Note

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

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

- WLAN 5GHz: Based on FCC guidance, general principles of KDB248227D01 can be applied to 802.11ax to determine initial test configuration with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency band.
- WLAN 6GHz: Per October 2020 & April 2021 TCB Workshop Interim procedures and FCC guidance, start instead with a minimum of 5 test channels across the full band, then adapt and apply conducted power and SAR test reduction procedures of KDB Pub. 248227 v02r02. WIFI 6E SAR is measured by using 6-7GHz parameters per IEC/IEEE62209-1528:2020 and report also estimated absorbed PD (for reference purposes only, not specifically for compliance). For the highest SAR test configurations also measure incident PD (total) using mmW near-field probe and total-field/power-density reconstruction method.
- WLAN 6GHz: Per equipment manufacturer guidance, power density was measured at d=2mm with the grid step (0.0625λ) for determining compliance at d=2mm.
- WLAN 6GHz: According to October 2020 TCB Workshop Interim procedures, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.67 dB (85%) was used to determine the psPD measurement scaling factor.
- WLAN 6GHz: Per FCC guidance, for simultaneous transmission evaluation, using SAR sum and SPLSR for simultaneous transmit exclusion analyses and evaluations.

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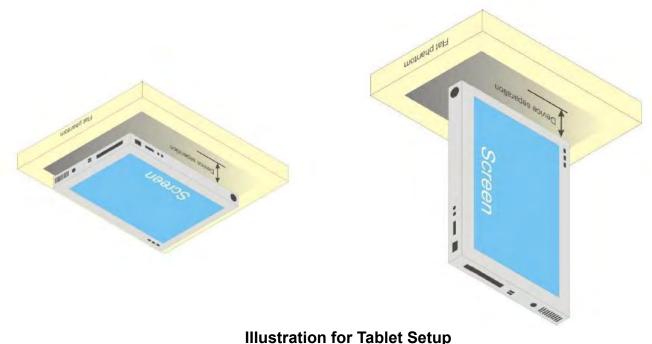


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5.3 **Test position**

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.



Book mode SAR test position (0mm)

SAR is measured with right edge and left edge touch against the flat phantom.

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5.4 Power verification of device mode

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

Device mode verification by power measurement

Antenna	Operation mode	Lid angle	802.11b	802.11n(40M) 5.2G	802.11n(40M) 5.3G	802.11ac(80M) 5.6G	802.11ac(80M) 5.8G	802.11ac(80M) 5.9G
		0°	n/a	n/a	n/a	n/a	n/a	n/a
	I id alaaa	10°	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	20°	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
	Lastan	40°	19.84	17.88	17.92	16.23	15.88	16.44
	Laptop	35°	19.86	17.80	17.79	16.24	15.88	16.47
		30°	n/a	n/a	n/a	n/a	n/a	n/a
		31°	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
		33°	n/a	n/a	n/a	n/a	n/a	n/a
		34°	n/a	n/a	n/a	n/a	n/a	n/a
		35°	19.84	17.81	17.92	16.29	15.79	16.38
		36°	19.92	17.85	17.87	16.31	15.74	16.32
		37°	19.90	17.91	17.90	16.21	15.79	16.38
	1	38°	19.93	17.88	17.83	16.25	15.76	16.36
		39°	19.81	17.83	17.88	16.21	15.80	16.30
		40°	19.95	17.81	17.91	16.26	15.81	16.36
		50°	19.84	17.81	17.89	16.30	15.73	16.45
	Laptop	60°	19.95	17.86	17.93	16.30	15.80	16.45
		70°	19.84	17.82	17.92	16.24	15.74	16.41
		80°	19.88	17.74	17.88	16.22	15.70	16.37
		90°	19.92	17.88	17.83	16.29	15.71	16.43
		100°	19.88	17.92	17.76	16.23	15.79	16.45
Tx1		110°	19.84	17.89	17.81	16.26	15.87	16.42
		120°	19.90	17.91	17.83	16.32	15.87	16.45
	Flat	130°	15.41	14.44	13.99	13.97	14.46	16.39
		125°	19.80	17.82	17.91	16.37	15.74	16.35
		126°	19.91	17.74	17.86	16.34	15.81	16.41
	Laptop	127°	19.86	17.74	17.81	16.26	15.78	16.35
		128°	19.89	17.86	17.92	16.20	15.73	16.48
		129°	19.93	17.89	17.76	16.35	15.73	16.39
		130°	15.40	14.41	13.83	13.95	14.45	16.34
		131°	15.41	14.30	13.85	13.88	14.46	16.31
		132°	15.47	14.36	13.97	13.81	14.37	16.31
		133°	15.40	14.44	13.93	13.87	14.44	16.49
		134°	15.39	14.42	13.98	13.82	14.38	16.32
		135°	15.47	14.31	13.88	13.83	14.42	16.31
	Flat	145°	15.42	14.29	13.91	13.88	14.37	16.45
	1	155°	15.41	14.40	13.92	13.81	14.47	16.43
	1	165°	15.48	14.41	13.81	13.97	14.31	16.37
	1	175°	15.31	14.41	13.86	13.96	14.45	16.33
	1	185°	15.41	14.36	13.95	13.87	14.30	16.48
	1	195°	15.43	14.34	13.97	13.83	14.29	16.39
 -	Tent (Not Horizontal)	205°	15.35	14.30	13.92	13.97	14.34	16.41
	Stand mode (Horizontal)	205°	19.95	17.78	17.84	16.35	15.80	16.31
	Flat	200°	15.45	14.39	13.83	13.87	14.40	16.36

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		201°	15.41	14.35	13.92	13.98	14.45	16.46
		202°	15.36	14.27	13.94	13.96	14.33	16.46
		203°	15.43	14.27	13.92	13.99	14.37	16.49
		204°	15.49	14.44	13.96	13.91	14.35	16.31
		205°	15.34	14.27	13.89	13.90	14.42	16.30
		215°	15.43	14.34	13.96	13.94	14.34	16.44
		225°	15.31	14.26	13.88	13.84	14.48	16.48
		235°	15.41	14.35	13.87	13.82	14.48	16.30
	Tent (Not Horizontal)	245°	15.33	14.34	13.88	13.82	14.41	16.42
	Tent (Not Honzontal)	255°	15.31	14.38	13.88	13.90	14.30	16.34
		265°	15.37	14.33	13.98	13.94	14.33	16.31
		275°	15.45	14.31	13.80	13.84	14.41	16.49
		285°	15.46	14.44	13.96	13.93	14.43	16.43
		295°	15.44	14.28	13.91	13.80	14.32	16.30
		305°	15.33	14.28	13.87	13.99	14.36	16.34
		315°	15.42	14.27	13.92	13.81	14.29	16.36
		325°	15.36	14.36	13.85	13.89	14.35	16.43
		335°	15.45	14.39	13.96	13.84	14.29	16.45
		201°	19.98	17.92	17.87	16.20	15.71	16.33
		202°	19.81	17.88	17.83	16.31	15.80	16.42
		203°	19.94	17.82	17.75	16.19	15.77	16.36
		204°	19.98	17.76	17.90	16.35	15.75	16.37
		205°	19.84	17.87	17.87	16.33	15.76	16.37
		215°	19.86	17.74	17.88	16.21	15.73	16.35
		225°	19.82	17.90	17.78	16.28	15.80	16.38
Tx1		235°	19.91	17.79	17.76	16.18	15.85	16.42
	Stand mode (Horizontal)	245°	19.89	17.88	17.84	16.35	15.81	16.36
^ '	otana mode (nonzontar)	255°	19.89	17.80	17.89	16.23	15.86	16.33
		265°	19.96	17.87	17.76	16.19	15.89	16.42
		275°	19.92	17.92	17.88	16.18	15.86	16.49
		285°	19.89	17.92	17.78	16.37	15.71	16.32
	L	295°	19.91	17.86	17.74	16.36	15.78	16.49
		305°	19.83	17.84	17.90	16.28	15.83	16.31
		315°	19.98	17.91	17.81	16.22	15.72	16.49
		325°	19.96	17.75	17.78	16.21	15.79	16.40
		335°	19.96	17.85	17.78	16.27	15.82	16.41
	Tablet	345°	15.41	14.31	13.81	13.89	14.34	16.42
	Tent (Not Horizontal)	340°	15.45	14.35	13.94	13.85	14.37	16.33
	Stand mode (Horizontal)	340°	19.85	17.74	17.80	16.28	15.74	16.32
		341°	15.40	14.41	13.92	13.82	14.30	16.48
		342°	15.31	14.26	13.97	13.87	14.43	16.33
		343°	15.44	14.38	13.84	13.87	14.36	16.49
	Tablet	344°	15.41	14.30	13.86	13.91	14.40	16.42
		345°	15.48	14.42	13.93	13.82	14.43	16.47
		355°	15.39	14.42	13.97	13.93	14.36	16.41
	<u> </u>	360°	15.43	14.43	13.95	13.91	14.30	16.32
	Tablet	350°	15.38	14.27	13.99	13.99	14.41	16.48
	Tent (Not Horizontal)	340°	15.37	14.40	13.89	13.90	14.48	16.46
	Stand mode (Horizontal)	340°	19.88	17.80	17.84	16.36	15.88	16.40
		345°	15.46	14.30	13.83	13.82	14.37	16.37
		344°	15.41	14.31	13.87	13.81	14.44	16.48
	Tablet	343°	15.38	14.35	13.98	13.82	14.31	16.36
	L	342°	15.36	14.32	13.85	13.97	14.34	16.34
	1	341°	15.46	14.25	13.80	13.86	14.29	16.34

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		340°	15.48	14.26	13.87	13.95	14.45	16.46
		339°	15.42	14.38	13.99	13.94	14.30	16.37
		338°	15.42	14.33	13.95	13.99	14.47	16.31
		337°	15.41	14.42	13.84	13.87	14.48	16.48
		336°	15.46	14.42	13.95	13.80	14.36	16.32
		335°	15.40	14.32	13.85	13.81	14.42	16.45
		325°	15.49	14.39	13.84	13.97	14.35	16.48
		315°	15.39	14.43	13.91	13.88	14.30	16.42
		305°	15.33	14.36	13.90	13.91	14.43	16.35
	Tent (Not Horizontal)	295°	15.39	14.33	13.80	13.83	14.46	16.38
		285°	15.34	14.38	13.80	13.85	14.34	16.39
		275°	15.30	14.26	13.85	13.95	14.46	16.48
		265°	15.47	14.31	13.85	13.95	14.45	16.44
		255°	15.41	14.41	13.99	13.84	14.48	16.38
		245°	15.37	14.25	13.92	13.80	14.38	16.47
		235°	15.42	14.41	13.89	13.84	14.41	16.42
	1	225°	15.46	14.32	13.89	13.88	14.39	16.35
		215°	15.48	14.44	13.95	13.88	14.32	16.39
		205°	15.41	14.31	13.96	13.94	14.42	16.46
		340°	19.95	17.92	17.89	16.29	15.73	16.48
		339°	19.92	17.87	17.90	16.24	15.73	16.40
		338°	19.98	17.75	17.80	16.26	15.73	16.30
		337°	19.85	17.83	17.89	16.35	15.82	16.42
		336°	19.94	17.77	17.93	16.19	15.71	16.43
		335°	19.93	17.86	17.80	16.30	15.74	16.31
Tx1		325°	19.82	17.80	17.78	16.28	15.77	16.46
	Stand mode (Horizontal)	315°	19.98	17.86	17.85	16.35	15.77	16.34
		305°	19.92	17.77	17.93	16.19	15.72	16.46
		295°	19.80	17.86	17.83	16.29	15.83	16.46
		285°	19.91	17.82	17.83	16.23	15.86	16.36
		275°	19.98	17.76	17.86	16.29	15.77	16.48
		265°	19.93	17.91	17.82	16.24	15.88	16.30
		255°	19.82	17.90	17.83	16.31	15.71	16.43
		245°	19.91	17.80	17.85	16.31	15.73	16.35
		235°	19.89	17.89	17.78	16.18	15.74	16.33
		225°	19.90	17.81	17.88	16.25	15.75	16.47
		215°	19.82	17.84	17.82	16.37	15.85	16.45
		205°	19.90	17.77	17.85	16.35	15.74	16.42
	Flat	195°	15.44	14.28	13.91	13.88	14.38	16.47
	Flat	200°	15.39	14.26	13.80	13.92	14.29	16.45
		205°	15.38	14.37	13.85	13.80	14.34	16.41
		204°	15.37	14.29	13.99	13.90	14.46	16.49
	Tent (Not Horizontal)	203°	15.44	14.26	13.88	13.87	14.44	16.44
		202°	15.43	14.36	13.95	13.88	14.29	16.37
		201°	15.41	14.25	13.83	13.80	14.37	16.32
		205°	19.94	17.83	17.88	16.34	15.75	16.31
		204°	19.86	17.91	17.76	16.30	15.79	16.43
	Stand mode (Horizontal)	203°	19.94	17.76	17.88	16.37	15.81	16.39
		202°	19.82	17.93	17.81	16.35	15.77	16.49
	1	201°	19.96	17.75	17.91	16.29	15.72	16.30

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		200°	15.46	14.44	13.92	13.95	14.40	16.31
		199°	15.43	14.27	13.92	13.89	14.37	16.44
		198°	15.42	14.37	13.99	13.80	14.35	16.39
		197°	15.32	14.30	13.84	13.91	14.31	16.30
		196°	15.30	14.43	13.86	13.82	14.37	16.35
	Flat	195°	15.46	14.35	13.96	13.92	14.41	16.30
	Fial	185°	15.33	14.35	13.80	13.97	14.47	16.46
		175°	15.48	14.40	13.88	13.89	14.39	16.48
		165°	15.43	14.31	13.82	13.92	14.40	16.41
		155°	15.44	14.37	13.84	13.81	14.35	16.46
		145°	15.32	14.28	13.89	13.86	14.43	16.31
		135°	15.31	14.32	13.94	13.83	14.46	16.44
	Laptop	125°	19.81	17.83	17.85	16.22	15.89	16.47
	Flat	130°	15.44	14.29	13.94	13.87	14.44	16.40
		129°	19.83	17.83	17.84	16.24	15.86	16.44
		128°	19.95	17.86	17.80	16.21	15.73	16.46
		127°	19.85	17.78	17.88	16.37	15.81	16.48
		126°	19.99	17.83	17.78	16.19	15.87	16.45
		125°	19.84	17.86	17.84	16.37	15.71	16.37
		115°	19.90	17.87	17.87	16.27	15.77	16.40
		105°	19.84	17.79	17.91	16.22	15.83	16.48
	Laptop	95°	19.90	17.89	17.78	16.35	15.73	16.47
		85°	19.90	17.77	17.79	16.34	15.89	16.47
		75°	19.84	17.89	17.82	16.25	15.70	16.47
		65°	19.92	17.76	17.86	16.35	15.75	16.34
Tx1		55°	19.98	17.88	17.76	16.21	15.77	16.43
		45°	19.92	17.75	17.76	16.24	15.78	16.49
		35°	19.81	17.75	17.70	16.24	15.73	16.37
		25°	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	30°						
	1	35°	n/a	n/a	n/a	n/a	n/a	n/a
	Laptop	34°	19.99 n/a	17.91 n/a	17.84 n/a	16.22 n/a	15.80 n/a	16.43 n/a
		33°	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
		32°	n/a	n/a	n/a	n/a	n/a	n/a
		31°	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	30°	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
		10°	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
		0°	n/a	n/a	n/a	n/a	n/a	n/a
		10°	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	20°	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
		40°	15.35	14.31	13.98	13.84	14.43	16.46
	Book mode	35°	15.49	14.31	13.96	13.96	14.42	16.46
		30°	n/a	n/a	n/a	n/a	n/a	n/a
		31°	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
	2.0 0.000	33°	n/a	n/a	n/a	n/a	n/a	n/a
		34°	n/a	n/a	n/a	n/a	n/a	n/a

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		35°	15.46	14.42	13.98	13.98	14.29	16.34
		36°	15.30	14.41	13.95	13.80	14.36	16.44
		37°	15.42	14.28	13.93	13.91	14.40	16.45
		38°	15.39	14.27	13.81	13.94	14.42	16.31
		39°	15.37	14.34	13.82	13.82	14.41	16.44
		40°	15.48	14.44	13.87	13.94	14.42	16.37
		50°	15.45	14.25	13.83	13.87	14.45	16.44
		60°	15.40	14.29	13.87	13.92	14.35	16.41
		70°	15.36	14.26	13.89	13.94	14.45	16.36
		80°	15.49	14.27	13.99	13.84	14.31	16.38
	6	90°	15.39	14.38	13.88	13.93	14.30	16.39
	Book mode	100°	15.47	14.42	13.97	13.90	14.33	16.40
		110°	15.32	14.39	13.93	13.83	14.36	16.37
		120°	15.41	14.37	13.87	13.94	14.43	16.32
		130°	15.36	14.42	13.84	13.98	14.46	16.33
		140°	15.34	14.37	13.81	13.99	14.44	16.41
		150°	15.44	14.40	13.87	13.97	14.37	16.49
		160°	15.44	14.31	13.91	13.87	14.48	16.48
		170°	15.44	14.36	13.83	13.91	14.45	16.48
_		180°	15.38	14.29	13.82	13.84	14.48	16.43
		190°	15.42	14.30	13.90	13.94	14.47	16.39
		199°	15.46	14.29	13.91	13.92	14.33	16.46
		190°	15.32	14.37	13.86	13.90	14.33	16.45
		180°	15.40	14.26	13.94	13.96	14.37	16.30
Tx1		170°	15.33	14.27	13.85	13.89	14.41	16.31
		160°	15.36	14.30	13.92	13.90	14.40	16.30
		150°	15.36	14.41	13.81	13.96	14.47	16.47
		140°	15.42	14.27	13.86	13.95	14.37	16.38
		130°	15.45	14.37	13.89	13.87	14.47	16.43
		120°	15.44	14.29	13.89	13.87	14.32	16.42
	Book mode	110°	15.39	14.41	13.93	13.97	14.32	16.31
		100°	15.40	14.41	13.81	13.80	14.34	16.37
		90°	15.38	14.31	13.92	13.95	14.29	16.42
		80°	15.39	14.35	13.93	13.91	14.45	16.48
		70°	15.41	14.29	13.95	13.80	14.38	16.40
		60°	15.48	14.28	13.96	13.99	14.37	16.43
		50°	15.30	14.25	13.98	13.81	14.41	16.38
		40°	15.32	14.26	13.92	13.81	14.35	16.36
İ	Lid close	30°	n/a	n/a	n/a	n/a	n/a	n/a
İ	Book mode	35°	15.33	14.43	13.96	13.92	14.47	16.36
ŀ	Book mode	34°	n/a	n/a	n/a	n/a	n/a	n/a
		33°	n/a	n/a	n/a	n/a	n/a	n/a
		32°	n/a	n/a	n/a	n/a	n/a	n/a
		31°	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	30°	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
		10°	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

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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	802.11ac(80M) 5.90
		0°	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	10°	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	20°	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
	Lanton	40°	19.96	17.77	17.85	16.30	15.78	16.43
	Laptop	35°	19.92	17.92	17.83	16.26	15.71	16.31
		30°	n/a	n/a	n/a	n/a	n/a	n/a
		31°	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
		33°	n/a	n/a	n/a	n/a	n/a	n/a
		34°	n/a	n/a	n/a	n/a	n/a	n/a
		35°	19.80	17.77	17.82	16.21	15.70	16.43
	l	36°	19.88	17.92	17.89	16.37	15.88	16.33
	l	37°	19.83	17.78	17.87	16.27	15.85	16.49
		38°	19.94	17.80	17.87	16.34	15.83	16.39
		39°	19.83	17.91	17.78	16.31	15.83	16.40
		40°	19.89	17.92	17.89	16.18	15.82	16.32
		50°	19.98	17.77	17.74	16.36	15.73	16.41
	Laptop	60°	19.86	17.81	17.81	16.31	15.80	16.31
		70°	19.86	17.74	17.91	16.34	15.73	16.46
		80°	19.98	17.91	17.81	16.30	15.86	16.32
		90°	19.92	17.84	17.82	16.30	15.81	16.47
T 0		100°	19.82	17.89	17.76	16.25	15.70	16.46
Tx2		110°	19.80	17.87	17.92	16.32	15.89	16.34
		120°	19.91	17.83	17.93	16.31	15.75	16.46
	Flat	130°	15.31	14.42	13.87	13.81	14.44	16.41
		125°	19.87	17.90	17.79	16.25	15.83	16.35
		126°	19.86	17.79	17.85	16.29	15.78	16.41
	Laptop	127°	19.80	17.87	17.89	16.35	15.75	16.31
		128°	19.83	17.91	17.82	16.31	15.74	16.47
		129°	19.90	17.85	17.84	16.35	15.70	16.31
		130°	15.36	14.32	13.99	13.89	14.31	16.33
		131°	15.31	14.37	13.86	13.91	14.39	16.35
		132°	15.36	14.31	13.98	13.82	14.33	16.30
		133°	15.44	14.40	13.82	13.91	14.42	16.47
		134°	15.49	14.44	13.84	13.93	14.41	16.43
	[]	135°	15.40	14.29	13.80	13.88	14.31	16.48
	Flat	145°	15.35	14.28	13.87	13.83	14.47	16.49
		155°	15.47	14.42	13.87	13.80	14.36	16.44
		165°	15.33	14.32	13.98	13.93	14.37	16.43
		175°	15.46	14.27	13.87	13.83	14.32	16.31
		185°	15.40	14.31	13.94	13.91	14.31	16.39
		195°	15.46	14.33	13.93	13.88	14.38	16.42
	Tent (Not Horizontal)	205°	15.47	14.29	13.84	13.86	14.29	16.48
	Stand mode (Horizontal)	205°	19.98	17.76	17.79	16.25	15.71	16.46
	Flat	200°	15.43	14.42	13.80	13.90	14.37	16.39

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		201°	15.32	14.37	13.92	13.96	14.47	16.38
	Γ	202°	15.46	14.38	13.86	13.90	14.45	16.46
		203°	15.39	14.34	13.90	13.80	14.37	16.30
		204°	15.32	14.43	13.93	13.81	14.42	16.48
		205°	15.41	14.33	13.99	13.94	14.30	16.31
		215°	15.34	14.35	13.95	13.97	14.47	16.33
		225°	15.32	14.34	13.83	13.93	14.37	16.36
		235°	15.47	14.35	13.81	13.92	14.48	16.31
	Tent (Not Horizontal)	245°	15.41	14.41	13.91	13.83	14.47	16.36
	Terit (Not Horizontal)	255°	15.46	14.27	13.85	13.87	14.39	16.45
		265°	15.41	14.28	13.95	13.86	14.32	16.49
		275°	15.37	14.40	13.93	13.84	14.42	16.33
		285°	15.46	14.35	13.80	13.95	14.43	16.33
		295°	15.47	14.26	13.97	13.95	14.48	16.32
		305°	15.33	14.36	13.90	13.95	14.36	16.38
		315°	15.32	14.33	13.96	13.94	14.36	16.40
		325°	15.40	14.27	13.97	13.80	14.36	16.40
		335°	15.45	14.34	13.82	13.86	14.30	16.33
		201°	19.92	17.88	17.91	16.29	15.71	16.44
		202°	19.85	17.78	17.74	16.28	15.77	16.41
		203°	19.90	17.80	17.92	16.28	15.83	16.42
		204°	19.85	17.87	17.88	16.37	15.75	16.39
		205°	19.89	17.75	17.89	16.32	15.76	16.45
		215°	19.81	17.91	17.81	16.29	15.72	16.40
		225°	19.80	17.81	17.80	16.18	15.73	16.38
Tx2		235°	19.82	17.83	17.86	16.26	15.80	16.38
	Stand mode (Horizontal)	245°	19.91	17.85	17.74	16.20	15.76	16.44
^2	Stand mode (nonzontal)	255°	19.82	17.74	17.86	16.36	15.83	16.41
		265°	19.95	17.83	17.74	16.18	15.71	16.47
		275°	19.80	17.85	17.77	16.26	15.74	16.31
		285°	19.94	17.81	17.77	16.20	15.72	16.33
		295°	19.80	17.87	17.88	16.33	15.81	16.47
		305°	19.93	17.74	17.82	16.29	15.74	16.44
		315°	19.97	17.91	17.79	16.36	15.83	16.39
		325°	19.91	17.92	17.89	16.36	15.87	16.30
		335°	19.98	17.88	17.79	16.26	15.70	16.46
	Tablet	345°	15.42	14.27	13.99	13.81	14.41	16.32
	Tent (Not Horizontal)	340°	15.32	14.29	13.93	13.83	14.45	16.32
	Stand mode (Horizontal)	340°	19.92	17.82	17.90	16.26	15.79	16.39
		341°	15.43	14.37	13.98	13.88	14.34	16.49
	L	342°	15.45	14.33	13.86	13.95	14.42	16.36
		343°	15.44	14.34	13.97	13.92	14.31	16.39
	Tablet	344°	15.49	14.32	13.88	13.87	14.38	16.48
		345°	15.45	14.44	13.91	13.98	14.40	16.44
	L	355°	15.43	14.34	13.86	13.80	14.44	16.41
		360°	15.36	14.27	13.85	13.94	14.33	16.33
	Tablet	350°	15.32	14.38	13.81	13.89	14.34	16.36
	Tent (Not Horizontal)	340°	15.32	14.39	13.96	13.91	14.41	16.30
	Stand mode (Horizontal)	340°	19.93	17.78	17.84	16.23	15.84	16.47
	L	345°	15.39	14.28	13.95	13.96	14.45	16.48
	L	344°	15.35	14.29	13.91	13.96	14.48	16.43
	Tablet	343°	15.30	14.30	13.98	13.97	14.33	16.40
	L	342°	15.47	14.30	13.88	13.93	14.40	16.41
	1	341°	15.30	14.25	13.91	13.93	14.41	16.32

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		340°	15.39	14.32	13.98	13.82	14.36	16.38
		339°	15.49	14.25	13.83	13.88	14.29	16.42
		338°	15.34	14.41	13.80	13.82	14.29	16.35
		337°	15.40	14.26	13.84	13.97	14.38	16.38
		336°	15.45	14.44	13.99	13.90	14.37	16.49
		335°	15.44	14.25	13.99	13.90	14.37	16.37
		325°	15.39	14.36	13.83	13.99	14.29	16.46
		315°	15.47	14.28	13.85	13.84	14.37	16.37
		305°	15.41	14.26	13.86	13.98	14.29	16.39
	Tent (Not Horizontal)	295°	15.44	14.25	13.80	13.82	14.36	16.49
		285°	15.30	14.25	13.91	13.89	14.36	16.39
		275°	15.45	14.39	13.82	13.89	14.30	16.38
		265°	15.39	14.44	13.81	13.97	14.38	16.43
		255°	15.49	14.34	13.95	13.80	14.36	16.42
		245°	15.49	14.40	13.95	13.95	14.46	16.35
		235°	15.43	14.38	13.92	13.98	14.34	16.33
		225°	15.40	14.27	13.98	13.95	14.41	16.32
		215°	15.37	14.26	13.99	13.83	14.39	16.41
		205°	15.35	14.30	13.84	13.80	14.35	16.39
	L	340°	19.90	17.88	17.87	16.33	15.89	16.37
		339°	19.92	17.84	17.83	16.28	15.78	16.32
	L	338°	19.82	17.75	17.82	16.30	15.75	16.30
		337°	19.97	17.84	17.86	16.36	15.85	16.36
		336°	19.97	17.76	17.91	16.37	15.81	16.45
x2		335°	19.90	17.74	17.74	16.37	15.87	16.44
		325°	19.94	17.93	17.79	16.21	15.85	16.46
		315°	19.91	17.84	17.78	16.29	15.83	16.35
	l <u>.</u>	305°	19.89	17.89	17.78	16.20	15.85	16.31
	Stand mode (Horizontal)	295°	19.93	17.91	17.89	16.25	15.85	16.49
		285°	19.93	17.89	17.78	16.27	15.75	16.38
		275°	19.87	17.81	17.82	16.36	15.74	16.42
		265°	19.88	17.86	17.78	16.22	15.74	16.40
		255°	19.92	17.80	17.91	16.26	15.85	16.37 16.49
		245° 235°	19.97	17.83	17.84	16.18	15.87	16.49
		235°	19.95 19.80	17.86 17.80	17.86 17.79	16.21 16.26	15.84 15.71	16.42
		225 215°	19.80	17.74	17.79	16.21	15.71	16.47
		205°	19.83	17.75	17.74	16.22	15.88	16.41
	 	195°	15.31	14.41	13.83	13.85	14.44	16.31
	Flat	200°	15.34	14.31	13.96	13.99	14.34	16.35
		205°	15.46	14.38	13.87	13.85	14.40	16.43
		204°	15.32	14.30	13.90	13.89	14.45	16.41
	Tent (Not Horizontal)	203°	15.37	14.36	13.93	13.95	14.33	16.39
	Tone (Not Fiorizontal)	202°	15.34	14.36	13.80	13.84	14.46	16.39
		201°	15.44	14.38	13.98	13.81	14.39	16.40
		205°	19.95	17.75	17.82	16.32	15.75	16.40
		204°	19.86	17.78	17.93	16.35	15.76	16.39
	Stand mode (Horizontal)	203°	19.98	17.87	17.82	16.35	15.71	16.49
		202°	19.94	17.79	17.78	16.35	15.79	16.42
	I	201°	19.84	17.76	17.80	16.37	15.88	16.33

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		200°	15.32	14.33	13.96	13.93	14.40	16.35
		199°	15.34	14.30	13.93	13.87	14.39	16.32
		198°	15.47	14.31	13.86	13.87	14.38	16.45
		197°	15.36	14.42	13.81	13.86	14.34	16.38
		196°	15.32	14.40	13.87	13.97	14.40	16.32
	Flat	195°	15.36	14.36	13.84	13.85	14.35	16.39
	i iai	185°	15.45	14.33	13.80	13.99	14.39	16.47
		175°	15.34	14.25	13.80	13.83	14.45	16.33
		165°	15.33	14.28	13.93	13.88	14.42	16.44
		155°	15.31	14.26	13.92	13.81	14.32	16.45
		145°	15.39	14.37	13.93	13.88	14.32	16.42
ļ		135°	15.39	14.39	13.82	13.85	14.37	16.32
	Laptop	125°	19.93	17.88	17.83	16.26	15.71	16.37
	Flat	130°	15.30	14.28	13.87	13.88	14.43	16.31
		129°	19.91	17.82	17.86	16.26	15.85	16.33
		128°	19.93	17.84	17.78	16.25	15.86	16.42
		127°	19.84	17.86	17.82	16.36	15.74	16.37
		126°	19.90	17.78	17.77	16.18	15.74	16.39
		125°	19.84	17.84	17.88	16.20	15.88	16.39
		115°	19.90	17.75	17.90	16.35	15.83	16.42
		105°	19.85	17.79	17.93	16.36	15.70	16.32
	Laptop	95°	19.97	17.89	17.82	16.33	15.85	16.46
		85°	19.81	17.80	17.90	16.31	15.86	16.34
		75°	19.91	17.79	17.85	16.28	15.81	16.42
		65°	19.92	17.84	17.78	16.26	15.89	16.47
Tx2		55°	19.87	17.82	17.84	16.37	15.87	16.43
		45°	19.83	17.92	17.74	16.19	15.89	16.32
		35°	19.93	17.89	17.79	16.18	15.75	16.49
ŀ		25°		n/a				n/a
	Lid close	30°	n/a		n/a	n/a	n/a	
ŀ			n/a	n/a	n/a	n/a	n/a	n/a
ŀ	Laptop	35° 34°	19.86	17.90	17.85	16.37	15.72	16.40
		33°	n/a	n/a	n/a	n/a	n/a	n/a n/a
		32°	n/a	n/a	n/a	n/a	n/a	
		32 31°	n/a	n/a	n/a n/a	n/a	n/a	n/a
	Lid close	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
		20°	n/a	n/a	n/a	n/a	n/a	n/a
		10°	n/a	n/a	n/a	n/a	n/a	n/a
		0°						
ŀ		0°	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
		10°	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	20°	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 n/a	n/a
ŀ		40°	15.47	n/a 14.27	13.96	13.84	14.42	16.40
	Book mode	40 35°	15.33	14.27	13.86	13.81	14.46	16.48
		30°	n/a	n/a	n/a	n/a	n/a	n/a
		31°	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
	Liu Glose	33°	n/a	n/a	n/a	n/a	n/a	n/a
		34°	n/a	n/a	n/a	n/a	n/a	n/a

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		35°	15.38	14.38	13.83	13.90	14.33	16.31
		36°	15.41	14.35	13.99	13.81	14.37	16.30
		37°	15.37	14.32	13.94	13.88	14.46	16.48
		38°	15.39	14.37	13.91	13.80	14.45	16.38
		39°	15.47	14.43	13.89	13.80	14.31	16.48
		40°	15.40	14.32	13.87	13.85	14.45	16.44
		50°	15.38	14.39	13.92	13.88	14.38	16.34
		60°	15.43	14.41	13.83	13.83	14.46	16.48
		70°	15.45	14.42	13.89	13.84	14.46	16.37
		80°	15.42	14.31	13.96	13.82	14.37	16.30
	5	90°	15.31	14.37	13.86	13.81	14.33	16.41
	Book mode	100°	15.32	14.42	13.83	13.94	14.43	16.44
		110°	15.39	14.30	13.91	13.85	14.42	16.34
		120°	15.39	14.33	13.83	13.96	14.33	16.45
		130°	15.30	14.42	13.84	13.82	14.29	16.44
		140°	15.32	14.43	13.95	13.91	14.29	16.41
		150°	15.41	14.34	13.80	13.80	14.35	16.32
		160°	15.48	14.35	13.88	13.80	14.39	16.33
		170°	15.43	14.33	13.92	13.87	14.37	16.42
		180°	15.43	14.39	13.98	13.82	14.34	16.41
		190°	15.30	14.28	13.95	13.95	14.31	16.35
		199°	15.38	14.40	13.80	13.83	14.42	16.41
		190°	15.32	14.29	13.95	13.93	14.46	16.35
		180°	15.46	14.39	13.94	13.88	14.48	16.42
Tx2		170°	15.42	14.42	13.80	13.99	14.40	16.44
		160°	15.30	14.32	13.87	13.87	14.33	16.39
		150°	15.31	14.44	13.99	13.85	14.39	16.41
		140°	15.46	14.32	13.96	13.88	14.34	16.36
		130°	15.33	14.35	13.84	13.89	14.33	16.40
		120°	15.31	14.43	13.87	13.86	14.43	16.37
	Book mode	110°	15.38	14.43	13.90	13.97	14.41	16.35
		100°	15.40	14.34	13.91	13.87	14.39	16.46
		90°	15.45	14.33	13.98	13.86	14.30	16.38
		80°	15.37	14.38	13.98	13.93	14.29	16.48
		70°	15.34	14.42	13.95	13.81	14.47	16.48
		60°	15.31	14.34	13.87	13.94	14.29	16.47
		50°	15.35	14.33	13.83	13.96	14.43	16.40
		40°	15.39	14.34	13.92	13.93	14.34	16.49
	Lid close	30°	n/a	n/a	n/a	n/a	n/a	n/a
	Book mode	35°	15.37	14.28	13.98	13.85	14.48	16.32
		34°	n/a	n/a	n/a	n/a	n/a	n/a
		33°	n/a	n/a	n/a	n/a	n/a	n/a
		32°	n/a	n/a	n/a	n/a	n/a	n/a
		31°	n/a	n/a	n/a	n/a	n/a	n/a
	Lid close	30°	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
		10°	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

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5.5 **Test limit** Report No.: TESA2210000419EN

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§ 2.1093(d)(1)

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

Radiofrequency radiation exposure limits.

§ 1.1310(a)

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

§ 1.1310(b)

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

§ 1.1310(c)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak 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 Section 4.1 of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017.

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

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

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



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

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

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MAXIMUM OUTPUT POWER

6.1 **WLAN**

Notebook mode

		T>	(1(Aux)			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		20.50	20.49
802.		2	2417	1	20.50	20.44
		6	2437		20.50	20.47
	802.11b	10	2457	1Mbps	19.00	18.95
		11	2462	1	19.50	19.48
		12	2467	1	12.50	12.40
		13	2472		6.00	5.91
		1	2412		18.00	17.91
		2	2417		18.50	18.43
		6	2437		21.50	21.43
	802.11g	10	2457	6Mbps	19.00	18.87
		11	2462		17.00	16.80
		12	2467		16.50	16.46
		13	2472		10.50	10.40
		1	2412		17.50	17.31
		2	2417	MCS0	19.00	18.90
		6	2437		21.50	21.39
	802.11n20-HT0	10	2457		18.00	17.89
		11	2462		16.00	15.89
		12	2467		16.00	15.88
		13	2472		5.50	5.34
		1	2412		17.50	17.32
		2	2417]	19.00	18.77
		6	2437		21.50	21.36
	802.11ac20-VHT0	10	2457	MCS0	18.00	17.89
		11	2462		16.00	15.82
		12	2467		16.00	15.87
2.45GHz		13	2472		5.50	5.43
2.43GHZ		1	2412		17.50	17.40
		2	2417		19.00	18.91
		6	2437	<u> </u>	21.50	21.44
	802.11ax20-HE0	10	2457	MCS0	18.00	17.97
		11	2462		16.00	15.90
		12	2467	<u> </u>	16.00	15.86
		13	2472		5.50	5.35
		3	2422	<u> </u>	16.50	16.39
		4	2427	_	16.50	16.40
		6	2437	1	16.50	16.44
	802.11n40-HT0	8	2447	MCS0	15.00	14.85
		9	2452	_	15.00	14.89
		10	2457	_	15.00	14.89
		11	2462		13.00	12.85
		3	2422	1	16.50	16.40
		4	2427	4	16.50	16.37
		6	2437	4 <u>.</u>	16.50	16.46
	802.11ac40-VHT0	8	2447	MCS0	15.00	14.95
		9	2452	-	15.00	14.87
		10	2457	-	15.00	14.97
	-	11	2462	1	13.00	12.89
		3	2422	-	16.50	16.45
		4	2427	-	16.50	16.30
	000 4440 UE0	6	2437	MOCO	16.50	16.39
	802.11ax40-HE0	8	2447	MCS0	15.00	14.85
		9	2452	4	15.00	14.89
		10	2457	-	15.00	14.85
		11	2462		13.00	12.88

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			T4			
			Tx1	1		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		16.50	16.31
	802.11a	40	5200	GMbpa	16.50	16.32
	002.11d	44	5220	6Mbps	16.50	16.46
		48	5240		16.50	16.40
		36	5180		16.50	16.43
	802.11n20-HT0	40	5200	MCS0	17.00	16.90
		44	5220		17.00	16.84
		48 36	5240 5180		17.00 16.50	16.92 16.37
		40	5200		17.00	16.85
	802.11ac20-VHT0	44	5220	MCS0	17.00	16.81
		48	5240		17.00	16.81
5.45.5.05.01.L		36	5180		16.50	16.39
5.15-5.25 GHz	000 4400 UE0	40	5200	14000	17.00	16.90
	802.11ax20-HE0	44	5220	MCS0	17.00	16.85
		48	5240		17.00	16.96
	802.11n40-HT0	38	5190	MCS0	15.00	14.90
		46	5230	Wiece	18.50	18.41
	802.11ac40-VHT0	38	5190	MCS0	15.00	14.84
		46	5230		18.50	18.36
	802.11ax40-HE0	38	5190	MCS0	15.00	14.87
	900 11aa90 V/JT0	46	5230	MCCO	18.50	18.39
	802.11ac80-VHT0 802.11ax80-HE0	42 42	5210 5210	MCS0 MCS0	13.50 13.50	13.32 13.38
	802.11ac160-VHT0	50	5250	MCS0	9.50	9.38
	802.11ax160-HE0	50	5250	MCS0	9.50	9.39
	002.1102.1001.120		Tx1		0.00	0.00
Band	Mode		-		Max. Rated Avg.	•
	Wode	Channel	Frequency (MHz)	Data Rate	Power + Max. Tolerance (dBm)	Average power (dBm)
	Wode	Channel 52		Data Rate	Power + Max.	power
			(MHz)		Power + Max. Tolerance (dBm)	power (dBm)
	802.11a	52	(MHz) 5260	Data Rate 6Mbps	Power + Max. Tolerance (dBm)	power (dBm)
		52 56 60 64	5260 5280 5300 5320		Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50	power (dBm) 16.91 16.88 16.90 16.34
		52 56 60 64 52	5260 5280 5300 5320 5260		Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93
		52 56 60 64 52 56	5260 5280 5300 5320 5260 5280	6Mbps	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84
	802.11a	52 56 60 64 52 56 60	5260 5280 5300 5320 5260 5280 5300		Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.96
	802.11a	52 56 60 64 52 56 60 64	5260 5280 5300 5320 5280 5260 5280 5300 5320	6Mbps	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.96 16.95
	802.11a	52 56 60 64 52 56 60 64 52	5260 5280 5300 5320 5260 5280 5300 5320 5320 5260	6Mbps	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.96 16.95 16.81
	802.11a	52 56 60 64 52 56 60 64 52 56	5260 5280 5300 5320 5260 5280 5300 5320 5320 5320 5260 5280	6Mbps	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.96 16.95 16.81 16.85
	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5260 5280 5320 5320 5260 5320 5260 5300 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.96 16.95 16.81 16.85 16.93
5.25-5.35 GHz	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60 64	5260 5280 5300 5320 5260 5280 5320 5320 5320 5260 5280 5300 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.95 16.85 16.81 16.85 16.93
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5260 5280 5320 5260 5280 5320 5280 5320 5260 5320 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.96 16.95 16.81 16.85 16.93 16.92
5.25-5.35 GHz	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56	5260 5280 5300 5320 5320 5260 5280 5320 5260 5280 5300 5320 5260 5280 5320 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.95 16.81 16.85 16.93 16.92 16.88 16.83
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5320 5260 5320 5320 5320 5260 5280 5300 5320 5260 5280 5300 5320 5300 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.96 16.95 16.81 16.85 16.93 16.92
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5320 5260 5280 5320 5260 5280 5300 5320 5260 5280 5320 5320	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.95 16.81 16.85 16.93 16.92 16.88 16.83 16.90
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 64	5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5320 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.95 16.81 16.85 16.93 16.92 16.88 16.83 16.90 16.89
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64	5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5320 5260 5280 5320 5270	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 18.50	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.95 16.81 16.85 16.93 16.92 16.88 16.83 16.90 16.89
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52	5260 5280 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5320 5270 5310	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.95 16.81 16.85 16.93 16.92 16.88 16.83 16.90 16.89 18.49
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0 802.11ac40-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 60 64 52 56 60 60 64 52 56 60 60 60 60 60 60 60 60 60 6	5260 5280 5300 5320 5260 5280 5320 5260 5320 5260 5280 5300 5320 5260 5280 5320 5270 5310 5270	6Mbps MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 18.50	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.95 16.81 16.85 16.93 16.92 16.88 16.83 16.90 16.89 18.49 14.93 18.39
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 60 64 52 56 60 60 64 52 56 60 60 60 60 60 60 60 60 60 6	5260 5280 5300 5320 5260 5280 5320 5260 5320 5260 5280 5320 5260 5280 5320 5270 5310 5270 5310	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.96 16.95 16.81 16.85 16.93 16.92 16.88 16.83 16.90 16.89 18.49 14.93 18.39 14.82
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0 802.11ac40-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 60 64 52 56 60 60 60 60 60 60 60 60 60 6	5260 5280 5320 5260 5280 5320 5260 5280 5320 5260 5280 5320 5260 5280 5320 5270 5310 5270 5310 5270	6Mbps MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 18.50 18.50 18.50	power (dBm) 16.91 16.88 16.90 16.34 16.93 16.84 16.95 16.81 16.85 16.93 16.92 16.88 16.83 16.90 16.89 18.49 14.93 18.39 14.82 18.38

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	1		Tx1	1		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		16.50	16.38
	000.44	120	5600	01.41	16.50	16.32
	802.11a	140	5700	6Mbps	14.50	14.45
		144	5720		17.00	16.89
		100	5500	MCS0	16.50	16.33
	000 44, 00 15	120	5600		17.00	16.90
	802.11n20-HT0	140	5700		13.00	12.82
		144	5720		17.50	17.34
		100	5500		16.50	16.39
	000 4400 V/LITO	120	5600		17.00	16.86
	802.11ac20-VHT0 -	140	5700		13.00	12.85
		144	5720		17.50	17.39
		100	5500		16.50	16.37
	000 4400 UE0	120	5600	MOCO	17.00	16.90
	802.11ax20-HE0	140	5700	MCS0	13.00	12.91
		144	5720		17.50	17.40
		102	5510		15.50	15.43
5.001	000 44, 40 15	118	5590	14000	18.50	18.37
5.6GHz	802.11n40-HT0	134	5670	MCS0	15.50	15.49
		142	5710		18.50	18.48
		102	5510		15.50	15.37
	802.11ac40-VHT0	118	5590	MCS0	18.50	18.37
	802.11ac40-VH10	134	5670	IVICSU	15.50	15.43
		142	5710		18.50	18.45
		102	5510		15.50	15.41
	000 4440 UE0	118	5590	MOCO	18.50	18.45
	802.11ax40-HE0	134	5670	MCS0	15.50	15.32
		142	5710		18.50	18.43
		106	5530		14.00	13.85
	802.11ac80-VHT0	122	5610	MCS0	14.50	14.38
		138	5690		17.00	16.89
		106	5530		14.00	13.86
	802.11ax80-HE0	122	5610	MCS0	14.50	14.37
		138	5690]	17.00	16.87
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.39
	802.11ax160-HE0	114	5570	MCS0	10.50	10.32

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			Tx1			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		19.50	19.48
	802.11a	157	5785	6Mbps	19.50	19.35
		165	5825		19.50	19.40
		149	5745		19.50	19.40
	802.11n20-HT0	157	5785	MCS0	19.50	19.46
		165	5825		19.50	19.47
		149	5745		19.50	19.34
	802.11ac20-VHT0	157	5785	MCS0	19.50	19.46
		165	5825		19.50	19.45
5.8GHz		149	5745		19.50	19.40
0.00112	802.11ax20-HE0	157	5785	MCS0	19.50	19.43
		165	5825		19.50	19.38
	802.11n40-HT0	151	5755	MCS0	18.50	18.41
	002	159	5795	11.000	18.50	18.43
	802.11ac40-VHT0	151	5755	MCS0	18.50	18.41
	002.110010 11110	159	5795	111000	18.50	18.38
	802.11ax40-HE0	151	5755	MCS0	18.50	18.40
		159	5795		18.50	18.36
	802.11ac80-VHT0	155	5775	MCS0	16.50	16.38
	802.11ax80-HE0	155	5775	MCS0	16.50	16.39
			Tx1	1		
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		13.50	13.32
	802.11a	173	5865	6Mbps	13.50	13.38
		177	5885		13.50	13.40
		169	5845		13.50	13.33
	802.11n20-HT0	173	5865	MCS0	14.00	13.94
		177	5885		13.50	13.39
5.9GHz		169	5845		13.50	13.30
J.JOI 12	802.11ac20-VHT0	173	5865	MCS0	14.00	13.85
		177	5885		13.50	13.44
		169	5845		13.50	13.40
	802.11ax20-HE0	173	5865	MCS0	14.00	13.83
		177	5885		13.50	13.37
	802.11ac80-VHT0	171	5855	MCS0	17.00	16.99
	802.11ax80-HE0	171	5855	MCS0	17.00	16.92

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	1	Tx	2(Main)			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1 2 6	2412 2417 2437		20.50 20.50 20.50	20.49 20.36 20.46
	802.11b	10 11 12	2457 2462 2467	1Mbps	19.00 19.50 12.50	18.89 19.49 12.38
		13 1 2	2472 2412 2417		6.00 18.00 18.50	5.88 17.92 18.37
	802.11g	6 10 11	2437 2457 2462	6Mbps	21.50 19.00 17.00	21.36 18.88 16.87
		12 13 1	2467 2472 2412		16.50 10.50 17.50	16.39 10.44 17.38
	802.11n20-HT0	6 10	2417 2437 2457	MCS0	19.00 21.50 18.00	18.84 21.33 17.93
		11 12 13	2462 2467 2472 2412		16.00 16.00 5.50 17.50	15.86 15.89 5.36 17.26
	802.11ac20-VHT0	2 6 10	2417 2437 2457	MCS0	17.50 19.00 21.50 18.00	17.26 18.93 21.41 17.85
		11 12 13	2462 2467 2472	MOGO	16.00 16.00 5.50	15.79 15.82 5.41
2.45GHz		1 2 6	2412 2417 2437		17.50 19.00 21.50	17.47 18.89 21.38
	802.11ax20-HE0	10 11 12	2457 2462 2467	MCS0	18.00 16.00 16.00	17.88 15.94 15.89
		13 3 4	2472 2422 2427		5.50 16.50 16.50	5.41 16.39 16.35
	802.11n40-HT0	6 8 9	2437 2447 2452	MCS0	16.50 15.00 15.00	16.45 14.87 14.93
		10 11 3	2457 2462 2422		15.00 13.00 16.50	14.93 12.90 16.34
	802.11ac40-VHT0	4 6 8	2427 2437 2447	MCS0	16.50 16.50 15.00	16.44 16.45 14.93
		9 10 11	2452 2457 2462		15.00 15.00 13.00	14.93 14.86 12.81
		3 4 6	2422 2427 2437		16.50 16.50 16.50	16.33 16.41 16.37
	802.11ax40-HE0	8 9 10	2447 2452 2457	MCS0	15.00 15.00 15.00	14.92 14.85 14.82
		11	2462		13.00	12.94

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			T. 0			
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		16.50	16.40
	802.11a	40	5200	6Mbps	16.50	16.38
	002.11a	44	5220	6Mbps	16.50	16.34
		48	5240		16.50	16.39
		36	5180		16.50	16.37
	802.11n20-HT0	40	5200	MCS0	17.00	16.86
		44	5220		17.00	16.89
		48 36	5240 5180		17.00 16.50	16.91 16.35
		40	5200		17.00	16.85
	802.11ac20-VHT0	44	5220	MCS0	17.00	16.93
		48	5240		17.00	16.81
5.45.505.011		36	5180		16.50	16.38
5.15-5.25 GHz	000 4400 1150	40	5200	MOCO	17.00	16.89
	802.11ax20-HE0	44	5220	MCS0	17.00	16.93
		48	5240		17.00	16.88
	802.11n40-HT0	38	5190	MCS0	15.00	14.81
	002.111140-1110	46	5230	WCGO	18.50	18.43
	802.11ac40-VHT0	38	5190	MCS0	15.00	14.86
	002:110010 11110	46	5230	WOOO	18.50	18.36
	802.11ax40-HE0	38	5190	MCS0	15.00	14.81
		46	5230		18.50	18.48
	802.11ac80-VHT0	42	5210	MCS0	13.50	13.35
	802.11ax80-HE0	42	5210	MCS0	13.50	13.43
	802.11ac160-VHT0	50	5250	MCS0	9.50	9.39
	802.11ax160-HE0	50	5250 Tx2	MCS0	9.50	9.33
Band						
Bana	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
Dana	Mode	Channel 52		Data Rate	Power + Max.	power
Dana			(MHz)		Power + Max. Tolerance (dBm)	power (dBm)
Jana	Mode 802.11a	52	(MHz) 5260	Data Rate 6Mbps	Power + Max. Tolerance (dBm)	power (dBm)
Jana		52 56 60 64	5260 5280 5300 5320		Power + Max. Tolerance (dBm) 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42
Jana		52 56 60 64 52	5260 5280 5300 5320 5260		Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87
Jana	802.11a	52 56 60 64 52 56	5260 5280 5300 5320 5260 5280	6Mbps	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94
Jana		52 56 60 64 52 56 60	5260 5280 5300 5320 5260 5280 5300		Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94
Jana	802.11a	52 56 60 64 52 56 60 64	5260 5280 5300 5320 5280 5260 5280 5300 5320	6Mbps	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93
Jana	802.11a	52 56 60 64 52 56 60 64 52	5260 5280 5300 5320 5260 5280 5300 5320 5320 5260	6Mbps	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.90
Jana	802.11a	52 56 60 64 52 56 60 64 52 56	5260 5280 5300 5320 5260 5280 5300 5320 5320 5320 5260 5280	6Mbps	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.90 16.89
Jana	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5260 5280 5320 5320 5260 5320 5260 5300 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.90 16.89
5.25-5.35 GHz	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60 64	5260 5280 5300 5320 5260 5280 5320 5320 5320 5260 5280 5300 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.90 16.89 16.89
	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5260 5280 5320 5320 5260 5280 5320 5320 5320 5320 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.89 16.89 16.89
	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56	5260 5280 5300 5320 5320 5260 5280 5320 5260 5280 5300 5320 5260 5280 5320 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.90 16.89 16.89 16.88 16.87
	802.11a 802.11n20-HT0 802.11ac20-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5320 5260 5320 5320 5320 5260 5280 5300 5320 5260 5280 5300 5320 5300 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.89 16.89 16.89 16.88 16.87 16.95
	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 64	5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5320 5320	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.89 16.89 16.89 16.88 16.87 16.95
	802.11a 802.11n20-HT0 802.11ac20-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64	5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5320 5260 5280 5320 5270	6Mbps MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.89 16.89 16.89 16.88 16.87 16.95 16.93 18.49
	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64	5260 5280 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5320 5270 5310	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.89 16.89 16.89 16.89 16.87 16.95 16.93 18.49
	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 60 64 52 56 60 60 64 52 56 60 60 60 60 60 60 60 60 60 6	5260 5280 5300 5320 5260 5280 5320 5260 5320 5260 5280 5300 5320 5260 5280 5320 5270 5310 5270	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 18.50	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.89 16.89 16.89 16.89 16.88 16.87 16.95 16.93 18.49 18.44
	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0 802.11ac40-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64	5260 5280 5300 5320 5260 5280 5320 5260 5320 5260 5280 5320 5260 5280 5320 5270 5310 5270 5310	6Mbps MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.90 16.89 16.89 16.88 16.87 16.95 16.93 18.49 14.49 18.44 14.81
	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 60 64 52 56 60 60 64 52 56 60 60 60 60 60 60 60 60 60 6	5260 5280 5300 5320 5260 5280 5320 5260 5320 5260 5280 5300 5320 5260 5280 5320 5270 5310 5270	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 18.50	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.89 16.89 16.89 16.89 16.89 16.89 16.89 16.89 16.81 16.95 16.93 18.49 18.44
	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0 802.11ac40-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 60 64 52 56 60 60 60 60 60 60 60 60 60 6	5260 5280 5320 5260 5280 5320 5260 5280 5320 5260 5280 5320 5260 5280 5320 5270 5310 5270 5310 5270	6Mbps MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 16.50 17.00 18.50 18.50 18.50	power (dBm) 16.88 16.89 16.83 16.42 16.87 16.94 16.93 16.95 16.90 16.89 16.89 16.89 16.89 16.89 16.89 16.89 16.89 18.49 14.49 18.44

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Band Mode Channel Frequency (MHz) Data Rate Power + Max. Tolerance (dBm) Tolerance (dBm)							
Band Mode Channel Frequency (MHz) Data Rate Power + Max. Tolerance (dBm) Tolerance (dBm)				Tx2			
802.11a	Band	Mode	Channel		Data Rate	Power + Max.	power
802.11a		802.11a	100	5500		16.50	16.44
802.11n20-HT0			120	5600	Ch Alexan	16.50	16.46
802.11n20-HT0		002.11a	140	5700	olvibps	14.50	14.38
802.11n20-HT0			144			17.00	
802.11n20-H10			100	5500		16.50	16.47
802.11ac20-VHT0		802 11n20-HT0			MCSO		
802.11ac20-VHT0 100 5500 16.50 16.39 17.00 16.90 17.00 16.90 17.50 17.40 100 5500 16.45 17.00 16.88		002.111120-1110	140		MCSU		
802.11ac20-VHT0							
140 5700 13.00 12.90 144 5720 17.50 17.40 100 5500 16.50 16.45							
140 5700 13.00 12.90 144 5720 17.50 17.40 100 5500 16.50 16.45 120 5600 17.00 18.88		802 11ac20-VHT0	120	5600	MCS0		
100 5500 16.50 16.45		002.110020-11110			Wioco		
120 5600 17.00 16.88							
120 5600 17.00 16.88							
1 802 11av20-HE0 M/CSO		802.11ax20-HE0			MCS0		
140 5700 13.00 12.89		002					
144 5720 17.50 17.36							
<u>102</u> <u>5510</u> <u>15.50</u> <u>15.31</u>							
5.6GHz 802.11n40-HT0 118 5590 MCS0 18.50 18.37	5.6GHz	802.11n40-HT0			MCS0		
134 5670 15.50 15.49		002.111140-1110			Wioco		
142 5710 18.50 18.42							
102 5510 15.50 15.42							
802.11ac40-VHT0 118 5590 MCS0 18.50 18.39		802.11ac40-VHT0			MCS0		
134 5670 15.50 15.47							
142 5710 18.50 18.39 102 5510 15.50 15.43							
1 802 11ay40-HE0 MCS0		802.11ax40-HE0			MCS0		
			_		-		
142 5710 18.50 18.35 106 5530 14.00 13.91							
802.11ac80-VHT0 122 5610 MCS0 14.50 14.41		802 11ac80-\/HT0			MCSO		
138 5690 17.00 16.87		002.11a000-V1110			IVICOU		
136 3090 17.00 10.07 106 5530 14.00 13.83							
802.11ax80-HE0 122 5610 MCS0 14.50 14.41		802 11ax80-HF0			MCS0		
138 5690 17.00 16.92		302.11ax00-11c0			10000		
802.11ac160-VHT0 114 5570 MCS0 10.50 10.44		802 11ac160-VHT0			MCS0		
802.11ax160-HE0 114 5570 MCS0 10.50 10.39					1		

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	•		T 0			
	1		Tx2			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		19.50	19.41
	802.11a	157	5785	6Mbps	19.50	19.36
		165	5825		19.50	19.49
		149	5745		19.50	19.38
	802.11n20-HT0	157	5785	MCS0	19.50	19.31
		165	5825		19.50	19.38
		149	5745		19.50	19.35
	802.11ac20-VHT0	157	5785	MCS0	19.50	19.39
		165	5825		19.50	19.30
5.8GHz		149	5745		19.50	19.30
0.00112	802.11ax20-HE0	157	5785	MCS0	19.50	19.40
		165	5825		19.50	19.38
	802.11n40-HT0	151	5755	MCS0	18.50	18.39
	002.111140-1110	159	5795	WOOO	18.50	18.37
	802.11ac40-VHT0	151	5755	MCS0	18.50	18.41
	002.114040-11110	159	5795		18.50	18.45
	802.11ax40-HE0	151	5755	MCS0	18.50	18.40
	002.11dx40-11E0	159	5795		18.50	18.33
	802.11ac80-VHT0	155	5775	MCS0	16.50	16.39
	802.11ax80-HE0	155	5775	MCS0	16.50	16.34
			Tx2			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		13.50	13.43
	802.11a	173	5865	6Mbps	13.50	13.44
		177	5885		13.50	13.41
		169	5845		13.50	13.37
	802.11n20-HT0	173	5865	MCS0	14.00	13.83
		177	5885		13.50	13.34
5.9GHz		169	5845		13.50	13.32
J.YUNZ	802.11ac20-VHT0	173	5865	MCS0	14.00	13.88
		177	5885		13.50	13.41
		169	5845		13.50	13.43
	802.11ax20-HE0	173	5865	MCS0	14.00	13.96
		177	5885		13.50	13.42
	802.11ac80-VHT0	171	5855	MCS0	17.00	16.99
	802.11ax80-HE0	171	5855	MCS0	17.00	16.89

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Tablet / Book mode

Tablet / Book	mode	Tx	1(Aux)			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		16.00	15.96
		2	2417		16.00	15.83
		6	2437		16.00	15.99
	802.11b	10	2457	1Mbps	16.00	15.88
		11	2462	1	16.00	15.98
		12	2467	4	12.50	12.32
		13	2472		6.00	5.91
		1	2412	4	16.00	15.89
		2	2417	4	16.00	15.90
	802.11g	6 10	2437 2457	6Mbps	16.00 16.00	15.95 15.81
	002.11g	11	2462	Olvibps	16.00	15.81
		12	2467	1	16.00	15.92
		13	2472	1	10.50	10.31
		1	2412		16.00	15.90
		2	2417	1	16.00	15.94
		6	2437	1	16.00	15.87
	802.11n20-HT0	10	2457	MCS0	16.00	15.91
		11	2462		16.00	15.85
		12	2467		16.00	15.89
		13	2472		5.50	5.39
		1	2412		16.00	15.89
		2	2417	4	16.00	15.91
	000 44 00 \/	6	2437	14000	16.00	15.88
	802.11ac20-VHT0	10	2457	MCS0	16.00	15.90
		11 12	2462 2467	4	16.00	15.84
		13	2472	1	16.00 5.50	15.88 5.46
2.45GHz		1	2412		16.00	15.81
		2	2417	1	16.00	15.95
		6	2437	MCS0	16.00	15.86
	802.11ax20-HE0	10	2457		16.00	15.83
		11	2462		16.00	15.92
		12	2467		16.00	15.94
		13	2472		5.50	5.42
		3	2422		16.00	15.90
		4	2427		16.00	15.93
		6	2437		16.00	15.84
	802.11n40-HT0	8	2447	MCS0	15.00	14.89
		9	2452	1	15.00	14.89
		10	2457	1	15.00	14.85
		11	2462		13.00	12.87
		4	2422	1	16.00 16.00	15.93 15.88
		6	2427	1	16.00	15.88
	802.11ac40-VHT0	8	2447	MCS0	15.00	14.82
	3	9	2452	1	15.00	14.93
		10	2457	1	15.00	14.87
		11	2462		13.00	12.84
		3	2422		16.00	15.96
		4	2427]	16.00	15.93
		6	2437]	16.00	15.89
	802.11ax40-HE0	8	2447	MCS0	15.00	14.82
		9	2452	1	15.00	14.92
		10	2457	4	15.00	14.89
		11	2462		13.00	12.96

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			T4			
			Tx1	1		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		15.00	14.92
	802.11a	40	5200	6Mbps	15.00	14.89
	002.11a	44	5220	Olvibps	15.00	14.94
		48	5240		15.00	14.88
		36	5180	MCS0	15.00	14.82
	802.11n20-HT0	40	5200		15.00	14.86
		44 48	5220 5240		15.00 15.00	14.89 14.80
		36	5180		15.00	14.89
		40	5200		15.00	14.92
	802.11ac20-VHT0	44	5220	MCS0	15.00	14.91
		48	5240		15.00	14.83
5 45 5 05 OH-		36	5180		15.00	14.88
5.15-5.25 GHz	802.11ax20-HE0	40	5200	MCS0	15.00	14.97
	002.11ax20-ne0	44	5220	IVICSU	15.00	14.81
		48	5240		15.00	14.86
	802.11n40-HT0	38	5190	MCS0	15.00	14.94
		46	5230		15.00	14.99
	802.11ac40-VHT0	38	5190	MCS0	15.00	14.89
		46	5230		15.00	14.87
	802.11ax40-HE0	38	5190	MCS0	15.00 15.00	14.83
	802.11ac80-VHT0	46 42	5230 5210	MCS0	13.50	14.85 13.39
	802.11ac80-VHT0	42	5210	MCS0	13.50	13.38
	802.11ac160-VHT0	50	5250	MCS0	9.50	9.40
	802.11ax160-HE0	50	5250	MCS0	9.50	9.38
			Tx1			
Band			_		Max. Rated Avg.	
	Mode	Channel	Frequency (MHz)	Data Rate	Power + Max. Tolerance (dBm)	Average power (dBm)
	Mode	Channel 52		Data Rate	Power + Max.	power
			(MHz)		Power + Max. Tolerance (dBm)	power (dBm)
	Mode 802.11a	52	(MHz) 5260	Data Rate 6Mbps	Power + Max. Tolerance (dBm)	power (dBm)
		52 56 60 64	5260 5280 5300 5320		Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42
		52 56 60 64 52	5260 5280 5300 5320 5260		Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38
		52 56 60 64 52 56	5260 5280 5300 5320 5260 5280		Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35
	802.11a	52 56 60 64 52 56 60	5260 5280 5300 5320 5260 5280 5300	6Mbps	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.35
	802.11a	52 56 60 64 52 56 60 64	5260 5280 5300 5320 5280 5260 5280 5300 5320	6Mbps	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.38 14.46
	802.11a	52 56 60 64 52 56 60 64 52	5260 5280 5300 5320 5260 5280 5300 5320 5320 5260	6Mbps	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.38 14.46 14.36
	802.11a	52 56 60 64 52 56 60 64 52 56	5260 5280 5300 5320 5260 5280 5300 5320 5320 5320 5260 5280	6Mbps	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.36 14.36 14.36
	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5260 5280 5320 5320 5260 5320 5260 5300 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.36 14.36 14.36 14.42
5.25-5.35 GHz	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60 64	5260 5280 5300 5320 5260 5280 5320 5320 5320 5260 5280 5300 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.36 14.36 14.34 14.42 14.42
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5260 5280 5320 5320 5260 5280 5320 5320 5320 5320 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.36 14.36 14.34 14.42 14.42
5.25-5.35 GHz	802.11a 802.11n20-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56	5260 5280 5300 5320 5320 5260 5280 5320 5260 5280 5300 5320 5260 5280 5320 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.36 14.36 14.36 14.36 14.34 14.42 14.44 14.36
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60	5260 5280 5320 5320 5320 5260 5320 5320 5260 5280 5320 5260 5280 5320 5320 5320 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.36 14.36 14.34 14.42 14.42
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60	5260 5280 5300 5320 5320 5260 5280 5320 5260 5280 5300 5320 5260 5280 5320 5320	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.38 14.46 14.36 14.34 14.42 14.42 14.44 14.36
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 64	5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5320 5320	6Mbps MCS0	Power + Max. Tolerance (dBm) 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.38 14.46 14.36 14.34 14.42 14.42 14.44 14.36 14.41
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64	5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5320 5260 5280 5320 5270	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.36 14.36 14.34 14.42 14.42 14.42 14.42 14.44 14.36 14.36 14.36 14.36
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64	5260 5280 5280 5300 5320 5260 5280 5300 5320 5260 5280 5300 5320 5260 5280 5320 5270 5310	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.36 14.36 14.34 14.42 14.42 14.44 14.36 14.41 14.36 14.41 14.36
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0 802.11ac40-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 60 64 52 56 60 60 64 52 56 60 60 60 60 60 60 60 60 60 6	5260 5280 5300 5320 5260 5280 5320 5260 5320 5260 5280 5300 5320 5260 5280 5320 5270 5310 5270	6Mbps MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.38 14.46 14.36 14.34 14.42 14.44 14.36 14.41 14.36 14.49 14.44 14.46
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 60 64 52 56 60 60 64 52 56 60 60 60 60 60 60 60 60 60 6	5260 5280 5300 5320 5260 5280 5320 5260 5320 5260 5280 5320 5260 5280 5320 5270 5310 5270 5310	6Mbps MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.38 14.46 14.36 14.34 14.42 14.42 14.44 14.36 14.49 14.49 14.46 14.45
5.25-5.35 GHz	802.11a 802.11n20-HT0 802.11ac20-VHT0 802.11ax20-HE0 802.11n40-HT0 802.11ac40-VHT0	52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 64 52 56 60 60 64 52 56 60 60 60 60 60 60 60 60 60 6	5260 5280 5320 5260 5280 5320 5260 5280 5320 5260 5280 5320 5260 5280 5320 5270 5310 5270 5310 5270	6Mbps MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	Power + Max. Tolerance (dBm) 14.50	power (dBm) 14.45 14.38 14.39 14.42 14.38 14.35 14.36 14.34 14.42 14.44 14.36 14.41 14.36 14.49 14.44 14.46 14.45 14.45

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			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		14.50	14.39
	000.44-	120	5600	CM //	14.50	14.40
	802.11a	140	5700	6Mbps	14.50	14.39
		144	5720		14.50	14.44
		100	5500		14.50	14.32
	000 44-00 LITO	120	5600	MOCO	14.50	14.37
	802.11n20-HT0	140	5700	MCS0	13.00	12.91
		144	5720		14.50	14.39
		100	5500		14.50	14.45
	802.11ac20-VHT0	120	5600	MCS0	14.50	14.39
	802.11ac20-VH10	140	5700	IVICSU	13.00	12.82
		144	5720		14.50	14.39
		100	5500		14.50	14.36
	802.11ax20-HE0	120	5600	MCS0	14.50	14.40
	602.118X20-RE0	140	5700	IVICSU	13.00	12.88
		144	5720		14.50	14.31
		102	5510		14.50	14.39
5.6GHz	000 11m40 LITO	118	5590	MCCO	14.50	14.48
3.0GHZ	802.11n40-HT0	134	5670	MCS0	14.50	14.43
		142	5710		14.50	14.35
		102	5510		14.50	14.34
	802.11ac40-VHT0	118	5590	MCS0	14.50	14.41
	802.11aC40-VH10	134	5670	IVICSU	14.50	14.36
		142	5710		14.50	14.32
		102	5510		14.50	14.40
	802.11ax40-HE0	118	5590	MCS0	14.50	14.34
	002.11dX40-⊓E0	134	5670	IVICSU	14.50	14.35
		142	5710		14.50	14.35
		106	5530]	14.00	13.71
	802.11ac80-VHT0	122	5610	MCS0	14.50	14.45
		138	5690		14.50	14.49
		106	5530]	14.00	13.94
	802.11ax80-HE0	122	5610	MCS0	14.50	14.32
		138	5690		14.50	14.44
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.45
	802.11ax160-HE0	114	5570	MCS0	10.50	10.38

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	•		T.4			
	1		Tx1	1		
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		15.00	14.94
	802.11a	157	5785	6Mbps	15.00	14.86
		165	5825	1	15.00	14.84
		149	5745		15.00	14.91
	802.11n20-HT0	157	5785	MCS0	15.00	14.93
		165	5825		15.00	14.91
		149	5745		15.00	14.91
	802.11ac20-VHT0	157	5785	MCS0	15.00	14.85
		165	5825		15.00	14.89
5.8GHz		149	5745		15.00	14.88
3.0GHZ	802.11ax20-HE0	157	5785	MCS0	15.00	14.94
		165	5825		15.00	14.83
	802.11n40-HT0	151	5755	MCS0	15.00	14.91
	802.111140-1110	159	5795	IVICOU	15.00	14.85
	802.11ac40-VHT0	151	5755	MCS0	15.00	14.83
	002.11ac+0-V1110	159	5795	WOOO	15.00	14.90
	802.11ax40-HE0	151	5755	MCS0	15.00	14.92
	002.11ax+0-11E0	159	5795	WOOO	15.00	14.93
	802.11ac80-VHT0	155	5775	MCS0	15.00	14.98
	802.11ax80-HE0	155	5775	MCS0	15.00	14.85
			Tx1			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		13.50	13.43
	802.11a	173	5865	6Mbps	13.50	13.39
		177	5885		13.50	13.43
		169	5845		13.50	13.36
	802.11n20-HT0	173	5865	MCS0	14.00	13.85
		177	5885		13.50	13.35
5.9GHz		169	5845		13.50	13.30
J.3GI IZ	802.11ac20-VHT0	173	5865	MCS0	14.00	13.91
		177	5885		13.50	13.44
		169	5845		13.50	13.37
	802.11ax20-HE0	173	5865	MCS0	14.00	13.82
		177	5885	<u> </u>	13.50	13.41
	802.11ac80-VHT0	171	5855	MCS0	17.00	16.99
	802.11ax80-HE0	171	5855	MCS0	17.00	16.89

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		Tx	2(Main)			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		16.00	15.95
		2	2417		16.00	15.83
		6	2437		16.00	15.86
	802.11b	10	2457	1Mbps	16.00	15.79
		11	2462	4	16.00	15.88
		12	2467	_	12.50	12.37
		13 1	2472		6.00	5.80
		2	2412 2417	4	16.00 16.00	15.78
		6	2417		16.00	15.87 15.87
	802.11g	10	2457	6Mbps	16.00	15.85
	002.119	11	2462	Olvibps	16.00	15.81
		12	2467		16.00	15.87
		13	2472		10.50	10.33
		1	2412		16.00	15.82
		2	2417		16.00	15.94
		6	2437		16.00	15.87
	802.11n20-HT0	10	2457	MCS0	16.00	15.85
		11	2462		16.00	15.86
		12	2467		16.00	15.80
		13	2472		5.50	5.42
		1	2412		16.00	15.92
		2	2417		16.00	15.87
		6	2437		16.00	15.90
	802.11ac20-VHT0	10	2457	MCS0	16.00	15.84
		11	2462		16.00	15.81
		12	2467		16.00	15.84
2.45GHz		13	2472		5.50	5.30
		1	2412	_	16.00	15.83
		2	2417	_	16.00	15.87
	802.11ax20-HE0	6	2437	MCS0	16.00	15.92
	002.11ax20-nE0	10	2457	IVICSU	16.00	15.82
		11 12	2462 2467	-	16.00 16.00	15.90 15.83
		13	2407	-	5.50	5.42
		3	2422		16.00	15.86
		4	2427	1	16.00	15.82
		6	2437	1	16.00	15.86
	802.11n40-HT0	8	2447	MCS0	15.00	14.84
		9	2452	1	15.00	14.92
		10	2457	1	15.00	14.87
		11	2462]	13.00	12.84
		3	2422		16.00	15.87
		4	2427		16.00	15.81
		6	2437		16.00	15.83
	802.11ac40-VHT0	8	2447	MCS0	15.00	14.84
		9	2452	1	15.00	14.87
		10	2457	<u> </u>	15.00	14.86
		11	2462	ļ	13.00	12.79
		3	2422	4	16.00	15.88
		4	2427	4	16.00	15.88
	000 44 40 1156	6	2437		16.00	15.82
	802.11ax40-HE0	8	2447	MCS0	15.00	14.81
		9	2452	4	15.00	14.88
		10	2457	4	15.00	14.86
	ĺ	11	2462		13.00	12.90

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			Tv0			
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		15.00	14.87
	802.11a	40	5200	6Mbps	15.00	14.79
	002.11a	44	5220	6Mbps	15.00	14.81
		48	5240		15.00	14.78
		36	5180		15.00	14.76
	802.11n20-HT0	40	5200	MCS0	15.00	14.80
		44	5220 5240		15.00 15.00	14.87 14.88
		36	5180		15.00	14.00
		40	5200		15.00	14.84
	802.11ac20-VHT0	44	5220	MCS0	15.00	14.89
		48	5240		15.00	14.77
E 15 5 05 OLL-		36	5180		15.00	14.79
5.15-5.25 GHz	802.11ax20-HE0	40	5200	MCS0	15.00	14.77
	002.11ax20-HE0	44	5220	IVICSU	15.00	14.73
		48	5240		15.00	14.77
	802.11n40-HT0	38	5190	MCS0	15.00	14.83
		46	5230		15.00	14.94
	802.11ac40-VHT0	38	5190	MCS0	15.00	14.80
		46	5230		15.00	14.85
	802.11ax40-HE0	38 46	5190 5230	MCS0	15.00 15.00	14.83 14.78
	802.11ac80-VHT0	40	5210	MCS0	13.50	13.29
	802.11ax80-HE0	42	5210	MCS0	13.50	13.22
	802.11ac160-VHT0	50	5250	MCS0	9.50	9.31
	802.11ax160-HE0	50	5250	MCS0	9.50	9.37
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		14.50	14.39
	802.11a	56	5280	6Mbps	14.50	14.35
	002.11a	60	5300	OMDPS	14.50	14.38
		64	5320		14.50	14.42
		52	5260		14.50	14.35
	802.11n20-HT0	56	5280	MCS0	14.50	14.37
		60	5300		14.50	14.46
		64 52	5320 5260		14.50 14.50	14.40 14.41
		56	5280		14.50	14.39
	802.11ac20-VHT0	60	5300	MCS0	14.50	14.35
		64	5320	1	14.50	14.38
5.25-5.35 GHz		52	5260		14.50	14.38
			5280	1	14.50	14.43
	000 44 55 ::=	56				
	802.11ax20-HE0	60	5300	MCS0	14.50	14.37
	802.11ax20-HE0			IVICSU	14.50 14.50	14.37 14.42
		60	5300			
	802.11ax20-HE0 802.11n40-HT0	60 64	5300 5320	MCS0	14.50	14.42
	802.11n40-HT0	60 64 54	5300 5320 5270	MCS0	14.50 14.50	14.42 14.32
		60 64 54 62	5300 5320 5270 5310		14.50 14.50 14.50 14.50 14.50	14.42 14.32 14.49 14.44 14.31
	802.11n40-HT0 802.11ac40-VHT0	60 64 54 62 54 62 54	5300 5320 5270 5310 5270 5310 5270	MCS0	14.50 14.50 14.50 14.50 14.50 14.50	14.42 14.32 14.49 14.44 14.31 14.38
	802.11n40-HT0 802.11ac40-VHT0 802.11ax40-HE0	60 64 54 62 54 62 54 62 54 62	5300 5320 5270 5310 5270 5310 5270 5310	MCS0 MCS0 MCS0	14.50 14.50 14.50 14.50 14.50 14.50 14.50	14.42 14.32 14.49 14.44 14.31 14.38 14.45
	802.11n40-HT0 802.11ac40-VHT0	60 64 54 62 54 62 54	5300 5320 5270 5310 5270 5310 5270	MCS0	14.50 14.50 14.50 14.50 14.50 14.50	14.42 14.32 14.49 14.44 14.31 14.38

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		14.50	14.45
	000.44-	120	5600	CN Alexandr	14.50	14.36
	802.11a	140	5700	6Mbps	14.50	14.43
		144	5720		14.50	14.39
		100	5500		14.50	14.41
	902 11=20 LITO	120	5600	MCCO	14.50	14.36
	802.11n20-HT0	140	5700	MCS0	13.00	12.83
		144	5720		14.50	14.39
		100	5500		14.50	14.41
	000 4400 \# ITO	120	5600	MOCO	14.50	14.42
	802.11ac20-VHT0	140	5700	MCS0	13.00	12.86
		144	5720		14.50	14.36
		100	5500		14.50	14.42
	000 44 00 1.150	120	5600	MCS0	14.50	14.39
	802.11ax20-HE0	140	5700	MCSU	13.00	12.88
		144	5720		14.50	14.43
		102	5510		14.50	14.41
5.0011-	000 44. 40 15	118	5590	1	14.50	14.31
5.6GHz	802.11n40-HT0	134	5670	MCS0	14.50	14.31
		142	5710		14.50	14.38
		102	5510		14.50	14.44
	000 44 . 40 \ // /TO	118	5590	14000	14.50	14.40
	802.11ac40-VHT0	134	5670	MCS0	14.50	14.37
		142	5710		14.50	14.38
		102	5510		14.50	14.38
	000 4440 UE0	118	5590	14000	14.50	14.42
	802.11ax40-HE0	134	5670	MCS0	14.50	14.38
		142	5710		14.50	14.32
		106	5530		14.00	13.99
	802.11ac80-VHT0	122	5610	MCS0	14.50	14.31
		138	5690		14.50	14.49
		106	5530		14.00	13.86
	802.11ax80-HE0	122	5610	MCS0	14.50	14.41
		138	5690		14.50	14.38
	802.11ac160-VHT0	114	5570	MCS0	10.50	10.38
	802.11ax160-HE0	114	5570	MCS0	10.50	10.39

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	•		T.0			
			Tx2			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		15.00	14.81
	802.11a	157	5785	6Mbps	15.00	14.92
		165	5825	1	15.00	14.94
		149	5745		15.00	14.95
	802.11n20-HT0	157	5785	MCS0	15.00	14.90
		165	5825		15.00	14.92
		149	5745		15.00	14.94
	802.11ac20-VHT0	157	5785	MCS0	15.00	14.92
		165	5825		15.00	14.91
5 8GHz		149	5745]	15.00	14.90
3.00i iz	802.11ax20-HE0	157	5785	MCS0	15.00	14.95
		165	5825		15.00	14.89
	802.11n40-HT0	151	5755	MCS0	15.00	14.88
	002.111140-1110	159	5795	WOOO	15.00	14.89
	802.11ac40-VHT0	151	5755	MCS0	15.00	14.85
	002.110010 11110	159	5795	WOOO	15.00	14.85
	802.11ax40-HE0	151	5755	MCS0	15.00	14.97
	002.11dx40-11E0	159	5795	WOOO	15.00	14.87
	802.11ac80-VHT0	155	5775	MCS0	15.00	14.98
	802.11ax80-HE0	155	5775	MCS0	15.00	14.96
			Tx2			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		13.50	13.38
	802.11a	173	5865	6Mbps	13.50	13.40
		177	5885		13.50	13.45
		169	5845		13.50	13.34
	802.11n20-HT0	173	5865	MCS0	14.00	13.96
		177	5885		13.50	13.40
5.9GHz		169	5845]	13.50	13.34
3.30i iz	802.11ac20-VHT0	173	5865	MCS0	14.00	13.92
		177	5885		13.50	13.46
		169	5845]	13.50	13.34
	802.11ax20-HE0	173	5865	MCS0	14.00	13.92
		177	5885		13.50	13.46
	802.11ac80-VHT0	171	5855	MCS0	17.00	16.99
	802.11ax80-HE0	171	5855	MCS0	17.00	16.92

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U.Z		_	- 4/4			
		T	x1(Aux)(S1)			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		7.50	7.33
	802.11ax20-HE0	45	6175	MCS0	7.00	6.90
		93	6415		7.00	6.85
		3	5965		10.00	9.84
	802.11ax40-HE0	43	6165	MCS0	10.00	9.77
U-NII-5		91	6405		10.00	9.83
6.2GHz		7	5985		13.00	12.77
	802.11ax80-HE0	39	6145	MCS0	13.00	12.83
		87	6385		13.00	12.84
		15	6025		14.50	14.41
	802.11ax160-HE0	47	6185	MCS0	14.50	14.49
		79	6345]	14.50	14.48
			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		7.00	6.84
	802.11ax20-HE0	105	6475	MCS0	7.50	7.34
	802.11ax20-HE0		6515		7.00	6.84
U-NII-6	802.11ax40-HE0	99	6445	MCS0	10.00	9.86
6.5GHz	002.11ax40-11L0	107	6485	IVICOU	10.00	9.84
	802.11ax80-HE0	103	6465	MCS0	13.00	12.82
	002.11ax00-11L0	119	6545		13.00	12.94
	802.11ax160-HE0	111	6505	MCS0	15.00	14.85
			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		7.00	6.82
	802.11ax20-HE0	149	6695	MCS0	7.50	7.38
		181	6855		7.00	6.88
		115	6525	1	10.50	10.39
U-NII-7	802.11ax40-HE0	147	6685	MCS0	10.00	9.82
6.7GHz		179	6845		10.00	9.84
5.7 51 12		135	6625	<u> </u>	13.00	12.85
	802.11ax80-HE0	151	6705	MCS0	13.00	12.84
		167	6785		13.00	12.80
	802.11ax160-HE0	143	6665	MCS0	15.00	14.88
		175	6825		15.00	14.99

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	1		Tx1			
			171			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		7.00	6.81
	802.11ax20-HE0	209	6995	MCS0	7.00	6.87
		233	7115	1	7.50	7.43
		187	6885		10.00	9.90
U-NII-8	802.11ax40-HE0	227	7085	MCS0	10.50	10.35
7.0GHz		183	6865		13.00	12.99
	802.11ax80-HE0	199	6945	MCS0	13.00	12.98
		215	7025	1	12.50	12.36
	802.11ax160-HE0	207	6985	MCS0	11.50	11.31
	00211140711001120		x2(Main)(S0)		11.00	
		1	XZ(Wall)(OO)			I
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		7.50	7.34
	802.11ax20-HE0	45	6175	MCS0	7.00	6.86
		93	6415	1	7.00	6.84
		3	5965		10.00	9.89
	802.11ax40-HE0	43	6165	MCS0	10.00	9.90
U-NII-5		91	6405	1	10.00	9.86
6.2GHz		7	5985		13.00	12.87
	802.11ax80-HE0	39	6145	MCS0	13.00	12.79
		87	6385	1	13.00	12.79
		15	6025		14.50	14.33
	802.11ax160-HE0	47	6185	MCS0	14.50	14.41
		79	6345	1	14.50	14.49
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		7.00	6.92
	802.11ax20-HE0	105	6475	MCS0	7.50	7.38
		113	6515	1	7.00	6.84
U-NII-6	000 44 40 1150	99	6445	14000	10.00	9.83
6.5GHz	802.11ax40-HE0	107	6485	MCS0	10.00	9.76
	000 44 = 00 UEC	103	6465	MOGO	13.00	12.80
	802.11ax80-HE0	119	6545	MCS0	13.00	12.82
	802.11ax160-HE0	111	6505	MCS0	15.00	14.91

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		7.00	6.92
	802.11ax20-HE0	149	6695	MCS0	7.50	7.31
		181	6855		7.00	6.85
		115	6525		10.50	10.38
U-NII-7	802.11ax40-HE0	147	6685	MCS0	10.00	9.83
	·NII-/ /GHz	179	6845		10.00	9.83
0.7 GHZ		135	6625		13.00	12.85
	802.11ax80-HE0	151	6705	MCS0	13.00	12.88
		167	6785		13.00	12.81
	802.11ax160-HE0	143	6665	MCS0	15.00	14.90
	002.11ax100-11L0	175	6825	IVICOU	15.00	14.91
			Tx2			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875	_	7.00	6.89
	802.11ax20-HE0	209	6995	MCS0	7.00	6.83
		233	7115		7.50	7.34
U-NII-8	802.11ax40-HE0	187	6885	MCS0	10.00	9.88
7.0GHz	OUZ. I IAATU-I ILU	227	7085	IVIOCO	10.50	10.41
7.00112		183	6865]	13.00	12.91
	802.11ax80-HE0	199	6945	MCS0	13.00	12.99
		215	7025		12.50	12.36
	802.11ax160-HE0	207	6985	MCS0	11.50	11.34

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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		5.91		5.69		5.59	
BR/EDR	CH 39	2441	6.00	5.99	6.00	5.73	6.00	5.62	
	CH 78	2480		5.71		5.52		5.43	

6.4 **BLE**

Mode	Mode Channel Frequency (MHz)		(GFSK
iviode			Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
	CH 00	2402		
BLE_1M	CH 19	2440	6	*NR
	CH 39	2480		
Mode	Channel Frequence			GFSK
Mode	Charmer	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
	CH 00	2402		
BLE_2M	CH 19	2440	6	*NR
	CH 39	2480		

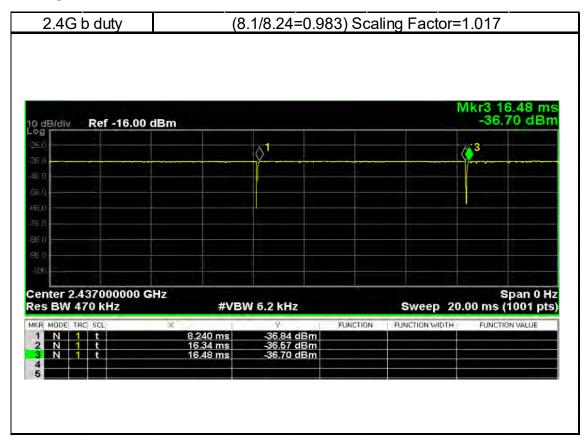
^{*}NR=Not required

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DUTY CYCLE

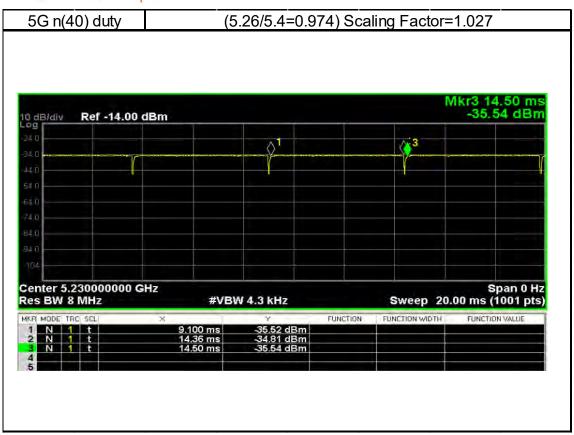


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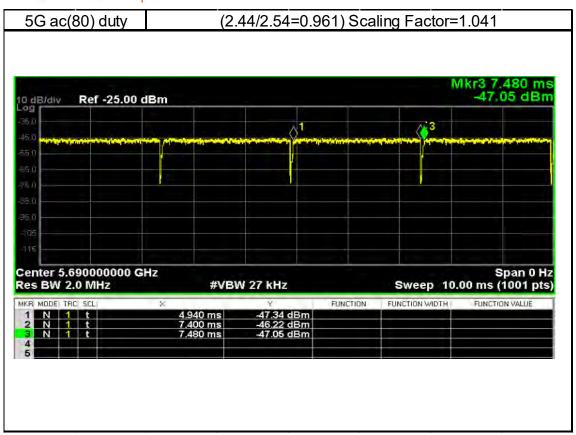
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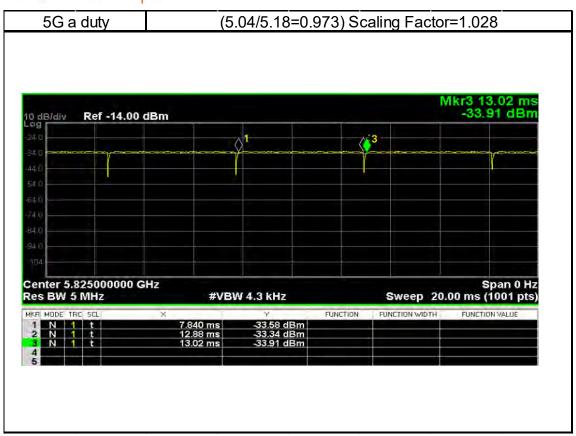
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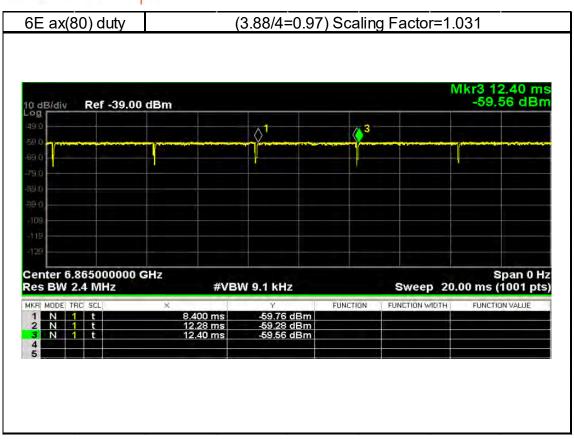


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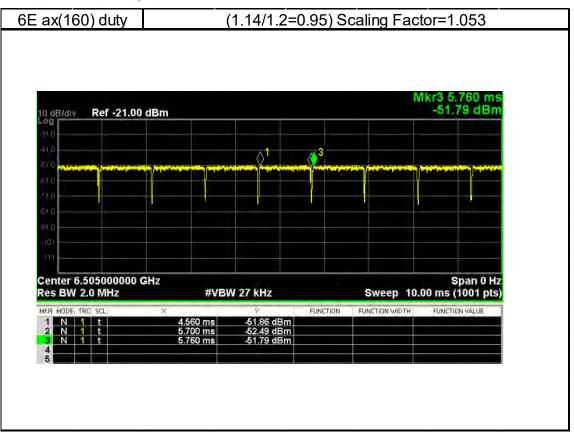
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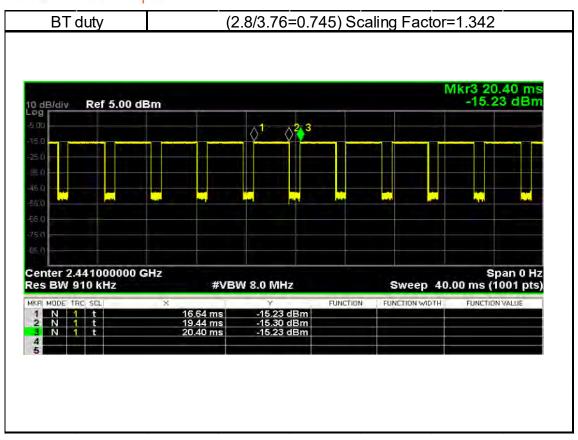


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SUMMARY OF RESULTS

8.1 **Decision rules**

Reported measurement data comply with Test Methodology in section 1.1.

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

8.2 **Summary of SAR Results**

Tablet mode Vendor 1

145151111545	, , , , , ,	<u> </u>										
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
			` '		, ,	Tolerance (dBm)	(dBm)		Ů	Measured	Reported	
WLAN 802.11b	Tx1	Back Surface	0	6	2437	16.00	15.99	1.02	100.23%	0.270	0.275	-
WLAN 802.11b	Tx1	Top Edge	0	1	2412	16.00	15.96	1.02	100.93%	0.348	0.357	-
WLAN 802.11b	Tx1	Top Edge	0	6	2437	16.00	15.99	1.02	100.23%	0.354	0.361	001
WLAN 802.11b	Tx1	Top Edge	0	11	2462	16.00	15.98	1.02	100.46%	0.325	0.332	-
WLAN 802.11b	Tx1	Right Edge	0	6	2437	16.00	15.99	1.02	100.23%	0.058	0.059	-
		<u> </u>				Max. Rated Avg.	Measured					
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
Bluetooth(GFSK)	Tx1	Back Surface	0	39	2441	6.00	5.99	1.34	100.23%	0.018	0.025	-
Bluetooth(GFSK)	Tx1	Top Edge	0	39	2441	6.00	5.99	1.34	100.23%	0.031	0.042	002
Bluetooth(GFSK)	Tx1	Right Edge	0	39	2441	6.00	5.99	1.34	100.23%	0.013	0.017	
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
WLAN 802.11n(40M) 5.2G	Tx1	Back Surface	0	46	5230	15.00	14.99	1.03	100.23%	0.184	0.189	
WLAN 802.11n(40M) 5.2G	Tx1	Top Edge	0	46	5230	15.00	14.99	1.03	100.23%	0.500	0.515	003
			0			15.00						003
WLAN 802.11n(40M) 5.2G	Tx1	Right Edge	0	46	5230		14.99	1.03	100.23%	0.118	0.121	
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11n(40M) 5.3G	Tx1	Back Surface	0	54	5270	14.50	14.49	1.03	100.23%	0.160	0.165	-
WLAN 802.11n(40M) 5.3G	Tx1	Top Edge	0	54	5270	14.50	14.49	1.03	100.23%	0.417	0.429	004
WLAN 802.11n(40M) 5.3G	Tx1	Right Edge	0	54	5270	14.50	14.49	1.03	100.23%	0.108	0.111	
		<u>vv</u>	Distance		Freq.	Max. Rated Avg.	Measured	Duty cycle	Power		over 1g (W/kg)	
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max.	Avg. Power (dBm)	scaling	scaling	Manager	Donated.	ID
			_			Tolerance (dBm)				Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Tx1	Back Surface	0	138	5690	14.50	14.49	1.04	100.23%	0.145	0.151	-
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	138	5690	14.50	14.49	1.04	100.23%	0.465	0.485	005
WLAN 802.11ac(80M) 5.6G	Tx1	Right Edge	0	138	5690	14.50	14.49	1.04	100.23%	0.028	0.029	
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
			` ′			Tolerance (dBm)	(dBm)		, and the second	Measured	Reported	
WLAN 802.11ac(80M) 5.8G	Tx1	Back Surface	0	155	5775	15.00	14.98	1.04	100.46%	0.188	0.197	-
WLAN 802.11ac(80M) 5.8G	Tx1	Top Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.596	0.623	006
WLAN 802.11ac(80M) 5.8G	Tx1	Right Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.070	0.073	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
WLAN 802.11ac(80M) 5.9G	Tx1	Back Surface	0	171	5855	17.00	16.99	1.04	100.23%	0.394	0.411	-
WLAN 802.11ac(80M) 5.9G	Tx1	Top Edge	0	171	5855	17.00	16.99	1.04	100.23%	1.100	1.148	007
WLAN 802.11ac(80M) 5.9G	Tx1	Right Edge	0	171	5855	17.00	16.99	1.04	100.23%	0.166	0.173	
WLAN 802.11ac(80M) 5.9G	Tx1	Top Edge*	0	171	5855	17.00	16.99	1.04	100.23%	1.090	1.137	
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg) Reported	ID
WLAN 802.11b	Tx2	Back Surface	0	1	2412	16.00	15.95	1.02	101.16%	0.124	0.128	-
WLAN 802.11b	Tx2	Top Edge	0	1	2412	16.00	15.95	1.02	101.16%	0.320	0.329	008
WLAN 802.11b	Tx2	Top Edge	0	6	2412	16.00	15.86	1.02	103.28%	0.320	0.329	-
WLAN 802.11b	Tx2		0	11	2462	16.00	15.88	1.02	103.26%	0.209	0.304	-
WLAN 802.11D	Tx2	Top Edge										
140 411 007	1 Tv2	Left Edge	0	1	2412	16.00	15.95	1.02	101.16%	0.052	0.053	•
WLAN 802.11b	172					Max. Rated Avg.	Measured	Duty cycle	Power		SAR over 1g	
WLAN 802.11b Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	(W. Measured	/kg) Reported	ID
		Position Back Surface		Channel 46								ID -
Mode	Antenna		(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	- 009

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.

United States the results shown in this test report test only to the samples) result and such samples) are tested at the state of 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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Mode	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	ID
			(11111)		(IVITZ)	Tolerance (dBm)	(dBm)	scaling	scanng	Measured	Reported	
WLAN 802.11n(40M) 5.3G	Tx2	Back Surface	0	62	5310	14.50	14.49	1.03	100.23%	0.173	0.178	-
WLAN 802.11n(40M) 5.3G	Tx2	Top Edge	0	62	5310	14.50	14.49	1.03	100.23%	0.446	0.459	010
WLAN 802.11n(40M) 5.3G	Tx2	Left Edge	0	62	5310	14.50	14.49	1.03	100.23%	0.073	0.075	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
			` '		` ′	Tolerance (dBm)	(dBm)	Ů	, and the second	Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Tx2	Back Surface	0	138	5690	14.50	14.49	1.04	100.23%	0.192	0.200	-
WLAN 802.11ac(80M) 5.6G	Tx2	Top Edge	0	138	5690	14.50	14.49	1.04	100.23%	0.745	0.777	011
WLAN 802.11ac(80M) 5.6G	Tx2	Left Edge	0	138	5690	14.50	14.49	1.04	100.23%	0.028	0.029	-
Mode	Antenna	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	scaling	Measured	Reported	
WLAN 802.11ac(80M) 5.8G	Tx2	Back Surface	0	155	5775	15.00	14.98	1.04	100.46%	0.197	0.206	-
WLAN 802.11ac(80M) 5.8G	Tx2	Top Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.671	0.702	012
WLAN 802.11ac(80M) 5.8G	Tx2	Left Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.023	0.024	
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	ID
			(11111)		(IVII IZ)	Tolerance (dBm)	(dBm)	scaling	scanny	Measured	Reported	
WLAN 802.11ac(80M) 5.9G	Tx2	Back Surface	0	171	5855	17.00	16.99	1.04	100.23%	0.396	0.413	-
WLAN 802.11ac(80M) 5.9G	Tx2	Top Edge	0	171	5855	17.00	16.99	1.04	100.23%	1.130	1.179	013
WLAN 802.11ac(80M) 5.9G	Tx2	Left Edge	0	171	5855	17.00	16.99	1.04	100.23%	0.083	0.087	

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

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Tablet mode Vendor 2

	e vena											
M. J.	A-4	Desiden	Distance	01	Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID.
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	ID
WLAN 802.11b	Tx1	Back Surface	0	6	2437	16.00	15.99	1.02	100.23%	0.190	0.194	-
WLAN 802.11b	Tx1	Top Edge	0	1	2412	16.00	15.96	1.02	100.93%	0.375	0.385	-
WLAN 802.11b	Tx1	Top Edge	0	6	2437	16.00	15.99	1.02	100.23%	0.393	0.401	053
WLAN 802.11b	Tx1	Top Edge	0	11	2462	16.00	15.98	1.02	100.46%	0.386	0.394	
WLAN 802.11b	Tx1	Right Edge	0	6	2437	16.00	15.99	1.02	100.23%	0.110	0.112	-
		3 3				Max. Rated Avg.	Measured					
Mode	Antenna	Position	Distance	Channel	Freq.	Power + Max.	Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
			(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
Bluetooth(GFSK)	Tx1	Back Surface	0	39	2441	6.00	5.99	1.34	100.23%	0.010	0.014	-
Bluetooth(GFSK)	Tx1	Top Edge	0	39	2441	6.00	5.99	1.34	100.23%	0.015	0.020	054
Bluetooth(GFSK)	Tx1	Right Edge	0	39	2441	6.00	5.99	1.34	100.23%	0.004	0.005	-
			Distance		F	Max. Rated Avg.	Measured	Durba anala	Power	Averaged SAP	over 1g (W/kg)	
Mode	Antenna	Position	(mm)	Channel	Freq. (MHz)	Power + Max.	Avg. Power	Duty cycle scaling	scaling	_		ID
			()		(/	Tolerance (dBm)	(dBm)	9	-	Measured	Reported	
WLAN 802.11n(40M) 5.2G	Tx1	Back Surface	0	46	5230	15.00	14.99	1.03	100.23%	0.108		-
WLAN 802.11n(40M) 5.2G	Tx1	Top Edge	0	46	5230	15.00	14.99	1.03	100.23%	0.514	0.529	055
WLAN 802.11n(40M) 5.2G	Tx1	Right Edge	0	46	5230	15.00	14.99	1.03	100.23%	0.062	0.064	-
			Distance		Freq.	Max. Rated Avg.	Measured	Duty cycle	No. 23% No. 100.23% No.	over 1a (W/ka)		
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max.	Avg. Power	scaling				ID
			1 1			Tolerance (dBm)	(dBm)		_			
WLAN 802.11n(40M) 5.3G	Tx1	Back Surface	0	54	5270	14.50	14.49	1.03				
WLAN 802.11n(40M) 5.3G	Tx1	Top Edge	0	54	5270	14.50	14.49	1.03				056
WLAN 802.11n(40M) 5.3G	Tx1	Right Edge	0	54	5270	14.50	14.49	1.03	100.23%	0.055	0.057	-
			Distance		Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Papartad	ID
M/I ANI 902 44 co/90M/ F 6C	Total	Dook Curfose	0	120	ECOO			1.04	100 220/			
WLAN 802.11ac(80M) 5.6G	Tx1	Back Surface		138	5690	14.50	14.49	1.04	100.23%	0.087		-
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	138	5690	14.50	14.49	1.04	100.23%	0.502		057
WLAN 802.11ac(80M) 5.6G	Tx1	Right Edge	0	138	5690	14.50	14.49	1.04	100.23%	0.047	0.049	-
Mede		Desiden	Distance	01	Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported 0.111 0.529 0.064 R over 1g (W/kg) Reported 0.099 0.490 0.057	טיי ו
WLAN 802.11ac(80M) 5.8G	Tx1	Back Surface	0	155	5775	15.00	14.98	1.04	100.46%	0.140	0.146	
WLAN 802.11ac(80M) 5.8G	Tx1	Top Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.775	0.810	058
WLAN 802.11ac(80M) 5.8G	Tx1	Right Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.088	0.092	-
			-			Max. Rated Avg.	Measured					
Mode	Antenna	Position	Distance	Channel	Freq.			Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	Reported	ID
Mode WLAN 802.11ac(80M) 5.9G	Antenna Tx1	Position Back Surface		Channel 171		Power + Max.	Avg. Power			_		ID -
			(mm)		(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	ID - 059
WLAN 802.11ac(80M) 5.9G	Tx1	Back Surface	(mm) 0	171	(MHz) 5855	Power + Max. Tolerance (dBm) 17.00	Avg. Power (dBm) 16.99	scaling 1.04	scaling 100.23%	Measured 0.286	Reported 0.298	-
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G	Tx1 Tx1	Back Surface Top Edge	(mm) 0 0	171 171	(MHz) 5855 5855	Power + Max. Tolerance (dBm) 17.00	Avg. Power (dBm) 16.99 16.99	1.04 1.04	scaling 100.23% 100.23%	Measured 0.286 1.110	0.298 1.158	-
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G	Tx1 Tx1 Tx1	Back Surface Top Edge Right Edge	(mm) 0 0 0 0	171 171 171	(MHz) 5855 5855 5855 5855 5855	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00	Avg. Power (dBm) 16.99 16.99 16.99	1.04 1.04 1.04 1.04	scaling 100.23% 100.23% 100.23% 100.23%	Measured 0.286 1.110 0.152 1.080	Reported 0.298 1.158 0.159 1.127	- 059 -
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G	Tx1 Tx1 Tx1	Back Surface Top Edge Right Edge	(mm) 0 0 0 0 0 Distance	171 171 171	(MHz) 5855 5855 5855 5855 Freq.	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max.	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power	1.04 1.04 1.04 1.04 1.04 Duty cycle	scaling 100.23% 100.23% 100.23% 100.23% Power	Measured 0.286 1.110 0.152 1.080 Averaged SAR	Reported 0.298 1.158 0.159 1.127 e over 1g (W/kg)	- 059 -
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G	Tx1 Tx1 Tx1 Tx1	Back Surface Top Edge Right Edge Top Edge*	(mm) 0 0 0 0	171 171 171 171	(MHz) 5855 5855 5855 5855 5855	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg.	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured	1.04 1.04 1.04 1.04	scaling 100.23% 100.23% 100.23% 100.23%	Measured 0.286 1.110 0.152 1.080	Reported 0.298 1.158 0.159 1.127	- 059 - -
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G	Tx1 Tx1 Tx1 Tx1	Back Surface Top Edge Right Edge Top Edge*	(mm) 0 0 0 0 0 Distance	171 171 171 171	(MHz) 5855 5855 5855 5855 Freq.	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max.	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power	1.04 1.04 1.04 1.04 1.04 Duty cycle	scaling 100.23% 100.23% 100.23% 100.23% Power	Measured 0.286 1.110 0.152 1.080 Averaged SAR	Reported 0.298 1.158 0.159 1.127 e over 1g (W/kg)	- 059 - -
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G Mode	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna	Back Surface Top Edge Right Edge Top Edge* Position	(mm) 0 0 0 0 Distance (mm)	171 171 171 171 171 Channel	(MHz) 5855 5855 5855 5855 5855 Freq. (MHz) 2412 2412	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95	scaling 1.04 1.04 1.04 1.04 1.04 Duty cycle scaling 1.02 1.02	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347	- 059 - -
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G Mode WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge	(mm) 0 0 0 0 0 Distance (mm)	171 171 171 171 171 171 Channel	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95	1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.02	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16%	Measured	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.342	- 059 - - ID
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge	(mm) 0 0 0 0 Distance (mm)	171 171 171 171 171 171 Channel 1 1 6	(MHz) 5855 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2437 2462	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 16.00	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88	1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.342 0.334	- 059 - - ID
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G Mode WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge	(mm) 0 0 0 0 Distance (mm) 0 0	171 171 171 171 171 171 Channel	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2437	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.95	1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 103.28%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.342	- 059 - - - ID - 060
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0	171 171 171 171 171 Channel 1 1 6 11	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2437 2462 2412	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured	scaling 1.04 1.04 1.04 1.04 1.04 Duty cycle scaling 1.02 1.02 1.02 1.02	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 103.28% 102.80% 101.16%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged \$	Reported 0.298 1.158 0.159 1.127 t over 1g (W/kg) Reported 0.137 0.347 0.342 0.334 0.074 SAR over 1g	- 059 ID - 060
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 Distance	171 171 171 171 171 171 Channel 1 1 6	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2437 2462 2412 Freq.	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Power + Max.	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95	scaling 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 Duty cycle	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 103.28% 102.80% 101.16% Power	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged \$\frac{1}{2}\$ (W	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.347 0.342 0.334 0.074 SAR over 1g (kg)	- 059 ID
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G Mode WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Left Edge Position	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm)	171 171 171 171 171 Channel 1 1 6 11 1 Channel	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2412 Freq. (MHz)	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.86 15.88 15.95 Measured Avg. Power (dBm)	1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.04 1.05	scaling 100.23% 100.23% 100.23% 100.23% 100.23% 101.23% 101.16% 101.16% 103.28% 101.16% Power scaling	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged \$\frac{3}{4}\$ (W Measured	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.342 0.334 0.074 SAR over 1g /k/kg) Reported	- 059 ID - 060
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Left Edge Position Back Surface	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	171 171 171 171 171 Channel 1 1 6 11 1 Channel	(MHz) 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2437 2462 2412 Freq. (MHz)	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm)	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.04 Duty cycle scaling 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 101.16% 102.80% 101.16% 103.29% 101.16% 103.29% 101.16%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged S Measured 0.088	Reported 0.298 1.158 0.159 1.127 c over 1g (W/kg) Reported 0.137 0.347 0.342 0.074 SAR over 1g (kg) Reported 0.092	- 059 - ID - 060 ID - ID - ID - ID - ID
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Top Edge Position Back Surface Top Edge	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	171 171 171 171 171 Channel 1 6 11 1 Channel 46 46	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2437 2462 2412 Freq. (MHz) 5230 5230	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00	Avg. Power (dBm) 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 103.28% 102.80% 101.16% Power scaling 101.19% 101.19%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged \$\frac{3}{4}\$ Weasured 0.088 0.616	Reported 0.298 1.158 0.159 1.127 t over 1g (W/kg) Reported 0.137 0.347 0.342 0.334 0.074 SAR over 1g (kg) Reported 0.092 0.641	- 059 - 1D - 060 1D - 1D
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Left Edge Position Back Surface	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	171 171 171 171 171 Channel 1 1 6 11 1 Channel	(MHz) 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2437 2462 2412 Freq. (MHz)	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 15.00 15.00	Avg. Power (dBm) 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm)	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.04 Duty cycle scaling 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 101.16% 102.80% 101.16% 103.29% 101.16% 103.29% 101.16%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged S Measured 0.088	Reported 0.298 1.158 0.159 1.127 c over 1g (W/kg) Reported 0.137 0.347 0.342 0.074 SAR over 1g (kg) Reported 0.092	- 059 ID - 060 ID
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Left Edge	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	171 171 171 171 171 Channel 1 1 6 11 1 Channel 46 46 46	(MHz) 5855 5855 5855 Freq. (MHz) 2412 2412 2437 2437 2442 2412 5230 5230 5230	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 15.00 Max. Rated Avg. Max. Rated Avg. Max. Rated Avg. Max. Rated Avg. Max. Rated Avg. Max. Rated Avg.	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 14.94 Measured	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.04 Duty cycle scaling 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 103.28% 102.80% 101.16% Power scaling 101.19% 101.19%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.072 Averaged \$\frac{3}{4}\$ (W Measured 0.073	Reported 0.298 1.158 0.159 1.127 t over 1g (W/kg) Reported 0.137 0.347 0.342 0.334 0.074 SAR over 1g (kg) Reported 0.092 0.641	- 059 ID - 060 ID - 1D - 061
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Top Edge Position Back Surface Top Edge	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	171 171 171 171 171 Channel 1 6 11 1 Channel 46 46	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2437 2462 2412 Freq. (MHz) 5230 5230	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 103.28% 102.20% Power scaling 101.19% 101.39%	Measured 0.286 1.110 0.152 1.080 Averaged SAR 0.133 0.337 0.326 0.319 0.072 Averaged \$\frac{3}{4}\text{W}\$ Measured 0.088 0.616 0.035 Averaged SAR	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.342 0.334 0.074 SAR over 1g (kg) Reported 0.092 0.641 0.036 cover 1g (W/kg)	- 059 - 1D - 060 1D - 1D
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b Mode WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G Mode	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Antenna	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Position	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 0 Distance (mm) 0 0 Distance (mm) Distance (mm)	171 171 171 171 171 Channel 1 1 6 11 1 Channel 46 46 46 Channel	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2412 7447 2462 2412 Freq. (MHz) 5230 5230 Freq. (MHz)	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.95 15.86 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 Measured Avg. Power (dBm)	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 Duty cycle scaling 1.03 1.03 Duty cycle scaling	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 102.80% 101.16% 103.28% 102.80% 101.19% 101.39% 101.39% 101.39%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.337 0.326 0.319 0.072 Averaged \$\frac{3}{4}\$ (W Measured 0.088 0.616 0.035 Averaged SAR Measured	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.347 0.342 0.334 0.074 SAR over 1g (kg) Reported 0.092 0.092 0.094 0.096 0.096 0.096 0.096 0.097 0.096 0.097 0.096 0.097 0.098 0.098 0.0998	- 059 ID - 060 ID - 1D - 061
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11c Mode WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Position Back Surface Top Edge Left Edge Back Surface	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 Distance (mm) 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 Distance (mm)	171 171 171 171 171 171 Channel 1 1 6 11 1 Channel 46 46 46 Channel	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2412 2412 5230 5230 Freq. (MHz) 5230 5230 Freq. (MHz)	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 Duty cycle scaling 1.03 1.03 Duty cycle scaling	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 101.16% 102.80% 101.19% 101.99% 101.19% 101.39% 101.39% 101.39% 101.39% 101.39% 101.39% 101.39%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged \$\frac{1}{4}\$ (W Measured 0.088 0.088 0.081 0.015 0.035 Averaged \$\frac{1}{4}\$ Averaged \$\frac{1}{4}\$ (W	Reported 0.298 1.158 0.159 1.157 0.091 1.127 0.092 0.093 0.074 0.342 0.334 0.074 0.342 0.074 0.092 0.641 0.092 0.641 0.036 0.091 Reported 0.092 0.641 0.036	- 059 1D - 060 1D - 061 - 1D
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G Mode WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11c WLAN 802.11c WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.3G WLAN 802.11n(40M) 5.3G	Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Position Back Surface Top Edge Left Edge Top Edge Left Edge Position	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 0 0 O Distance (mm) 0 O O O Distance (mm) 0 O O O Distance (mm) O O O Distance (mm)	171 171 171 171 171 171 Channel 1 1 6 11 Channel 46 46 46 Channel 62 62	(MHz) 5855 5855 5855 Freq. (MHz) 2412 2412 2417 2462 2412 Freq. (MHz) 5230 5230 5230 Freq. (MHz) 5310	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 14.50	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.94 14.94 14.94 Measured Avg. Power (dBm) 14.94 Measured Avg. Power (dBm)	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 1.03 1.03 1.03	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 101.89% 101.39% 101.39% Power scaling 101.39% 101.39% 101.39% 101.39% 101.39% 101.39%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged S Weasured 0.088 0.616 0.035 Averaged SAR Measured 0.088 0.616 0.098	Reported 0.298 1.158 0.159 1.127 c over 1g (W/kg) Reported 0.137 0.347 0.342 0.074 SAR over 1g (W/kg) Reported 0.092 0.641 0.036 c over 1g (W/kg)	- 059 1D - 060 1D - 061 - 1D - 062
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11c Mode WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Position Back Surface Top Edge Left Edge Back Surface	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 Distance (mm) 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 Distance (mm)	171 171 171 171 171 171 Channel 1 1 6 11 1 Channel 46 46 46 Channel	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2412 2412 5230 5230 Freq. (MHz) 5230 5230 Freq. (MHz)	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 14.50 14.50 14.50	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.94 14.94 14.94 14.94 14.94 14.94	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 Duty cycle scaling 1.03 1.03 Duty cycle scaling	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 101.16% 102.80% 101.19% 101.99% 101.19% 101.39% 101.39% 101.39% 101.39% 101.39% 101.39% 101.39%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged \$\frac{1}{4}\$ (W Measured 0.088 0.088 0.081 0.015 0.035 Averaged \$\frac{1}{4}\$ Averaged \$\frac{1}{4}\$ (W	Reported 0.298 1.158 0.159 1.157 0.091 1.127 0.092 0.093 0.074 0.342 0.334 0.074 0.342 0.074 0.092 0.641 0.092 0.641 0.036 0.091 Reported 0.092 0.641 0.036	- 059 1D - 060 1D - 1D - 1D - 1D - 1D - 1D - 1D
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11c(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.3G WLAN 802.11n(40M) 5.3G WLAN 802.11n(40M) 5.3G	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Position Back Surface Top Edge Left Edge Left Edge Left Edge	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 0 0 O Distance (mm) 0 O O O Distance (mm) 0 O O O Distance (mm) O O O Distance (mm)	171 171 171 171 171 171 171 Channel 1 6 11 1 Channel 46 46 46 46 Channel 62 62 62	(MHz) 5855 5855 5855 Freq. (MHz) 2412 2412 2417 2462 2412 Freq. (MHz) 5230 5230 5230 Freq. (MHz) 5310	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.49 14.49 14.49 Measured Measured Avg. Power (dBm) 14.49 14.49 14.49 Measured Measured Measured Avg. Power (dBm) 14.49 14.49 Measured Measured Measured Measured Measured Measured Measured Measured Measured Measured Measured	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 1.03 1.03	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 101.89% 101.39% 101.39% Power scaling 101.39% 101.39% 101.39% 101.39% 101.39% 101.39%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged SAR (W Measured 0.088 0.616 0.088 Averaged SAR Measured 0.088 0.616 0.035	Reported 0.298 1.158 0.159 1.127 c over 1g (W/kg) Reported 0.137 0.347 0.342 0.074 SAR over 1g (W/kg) Reported 0.092 0.641 0.036 c over 1g (W/kg)	- 059 - 1D - 060 - 1D - 1D - 1D - 1D - 061 - 1D - 062
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G Mode WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11c(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.3G WLAN 802.11n(40M) 5.3G WLAN 802.11n(40M) 5.3G	Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Position Back Surface Top Edge Left Edge Top Edge Left Edge Position	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 Distance (mm) 0 0 Distance (mm) 0 0 0 0 Distance (mm) 0 0 0 Distance (mm)	171 171 171 171 171 171 Channel 1 1 6 11 Channel 46 46 46 Channel 62 62	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2412 2412 5230 5230 Freq. (MHz) 5310 5310 5310	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.94 Measured Avg. Power (dBm)	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 1.03 1.03 1.03	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 101.16% 103.28% 101.19% 101.39% 101.39% 101.39% 101.39% 100.23% 100.23%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged SAR Measured 0.088 0.616 0.088 0.616 0.035 Averaged SAR Measured 0.088 0.616 0.029 Averaged SAR	Reported 0.298 1.158 0.159 1.127 c over 1g (W/kg) Reported 0.137 0.347 0.342 0.342 0.074 SAR over 1g //kg) Reported 0.092 0.641 0.036 c over 1g (W/kg) Reported 0.096 c over 1g (W/kg)	- 059 1D - 060 1D - 1D - 1D - 061 - 1D - 062
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b Mode WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.3G	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Antenna Tx2 Tx2 Antenna	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Left Edge Position Back Surface Top Edge Left Edge Position	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 0 Distance (mm) 0 0 Distance (mm) 0 0 Distance (mm) 0 Distance (mm) 0 Distance (mm)	171 171 171 171 171 171 171 Channel 1 6 11 1 Channel 46 46 46 46 Channel 62 62 62 Channel	(MHz) 5855 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2412 5230 5230 5230 Freq. (MHz) 5310 5310 Freq. (MHz)	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.94 Measured Avg. Power (dBm)	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03	scaling 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 101.16% 101.16% 102.80% 101.16% 101.99% 101.39% 101.39% 101.39% 101.39% 101.39% 101.39% 101.39%	Measured	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.347 0.342 0.334 0.074 SAR over 1g (kg) Reported 0.092 0.641 0.036 cover 1g (W/kg) Reported 0.101 0.655 0.030 cover 1g (W/kg) Reported	- 059 1D - 060 1D - 1D - 061 - 1D - 1D - 1D
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11c Mode WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.3G	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Tx2 Antenna	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Position	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 0 Distance (mm) 0 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 0 Distance (mm) 0 0 Distance (mm)	171 171 171 171 171 171 Channel 1 1 6 11 1 Channel 46 46 46 Channel 62 62 62 Channel	(MHz) 5855 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2412 2412 5230 5230 5230 Freq. (MHz) 5310 5310 Freq. (MHz) 5690	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.88 15.95 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 14.49 Measured Avg. Power (dBm) 14.49 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 Duty cycle scaling	scaling 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 101.16% 101.16% 101.16% 101.19% 102.80% 101.19% 102.80% 101.3.28% 102.80% 101.3.9% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged SAR Measured 0.088 0.616 0.035 Averaged SAR Measured 0.098 0.636 0.098 0.636 0.029 Averaged SAR	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.337 0.347 0.347 0.342 0.334 0.074 SAR over 1g (kg) Reported 0.092 0.092 0.094 0.096 0.096 cover 1g (W/kg) Reported 0.101 0.655 0.030	- 059 - 1D - 060 - 1 - 1D - 1D - 1D - 1D - 1D - 1D - 1D
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11c(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.3G	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 O Distance (mm) 0 O Distance (mm) 0 O O Distance (mm) 0 O O Distance (mm) 0 O O Distance (mm)	171 171 171 171 171 171 171 Channel 1 1 6 11 1 Channel 46 46 46 Channel 62 62 62 Channel 138	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2437 2462 2412 Freq. (MHz) 5230 5230 Freq. (MHz) 5310 5310 5310 5310 5310 5310 5310 5310	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 16.99 Measured Avg. Power 15.86 15.86 15.86 15.86 14.94 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 14.31	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 Duty cycle scaling 1.03 1.03 Duty cycle scaling 1.04 1.05 1.06 1.07 1.08 1.09 1.09 1.09 1.09 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 102.80% 101.16% Power scaling 101.19% 101.39% 101.39% 101.39% 100.23% 100.23% 100.23% 100.23% 100.23%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged SAR Measured 0.088 0.088 0.085 Averaged SAR Measured 0.098 0.636 0.029 Averaged SAR Measured 0.098 0.636 0.029 Averaged SAR Measured 0.088	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.342 0.342 0.334 0.074 SAR over 1g (K/kg) Reported 0.092 0.641 0.036 cover 1g (W/kg) Reported 0.101 0.655 0.030 cover 1g (W/kg) Reported 0.118 0.886	- 059 1D - 060 1D - 1D - 061 - 1D - 1D - 1D - 1D - 1D - 1D - 1D - 1
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G Mode WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b Mode WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.3G WLAN 802.11ac(80M) 5.3G WLAN 802.11ac(80M) 5.3G	Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Position	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 0 Distance (mm) 0 0 Distance (mm) 0 Distance (mm) 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 0 0 0 Distance (mm) 0 0 0 0 Distance (mm)	171 171 171 171 171 171 171 Channel 1 1 6 11 1 Channel 46 46 46 Channel 62 62 Channel 138 122 138	(MHz) 5855 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2412 2412 2412 5230 5230 5230 5230 Freq. (MHz) 5310 5310 5310 Freq. (MHz) 5690	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 Measured Avg. Power (dBm) 15.95 15.86 15.86 15.87 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.49 14.49 Measured Avg. Power (dBm) 14.49	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03	scaling 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 101.16% 102.80% 101.19% 101.39% 101.39% 101.39% 100.23% 100.23% Power scaling 100.23% 100.23% 100.23% 100.23% 100.23%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged SAR (W Measured 0.088 0.616 0.088 0.616 0.098 0.636 0.029 Averaged SAR Measured 0.113 0.815 0.860	Reported 0.298 1.158 0.159 1.127 c over 1g (W/kg) Reported 0.137 0.347 0.342 0.342 0.074 SAR over 1g //kg) Reported 0.092 0.641 0.092 0.641 0.0965 0.0036 c over 1g (W/kg) Reported 0.101 0.655 0.030 c over 1g (W/kg) Reported 0.118 0.886 0.897	- 059 - 1D - 060 - 1D - 1D - 1D - 1D - 1D - 1D - 1D - 1D
WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11ac(80M) 5.9G WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11c Mode WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.2G WLAN 802.11n(40M) 5.3G	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Antenna Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Back Surface Top Edge Right Edge Top Edge* Position Back Surface Top Edge Top Edge Top Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge Top Edge Left Edge Position Back Surface Top Edge Left Edge	(mm) 0 0 0 0 0 Distance (mm) 0 0 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 O Distance (mm) 0 O Distance (mm) 0 O O Distance (mm) 0 O O Distance (mm) 0 O O Distance (mm)	171 171 171 171 171 171 171 Channel 1 1 6 11 1 Channel 46 46 46 Channel 62 62 62 Channel 138	(MHz) 5855 5855 5855 5855 Freq. (MHz) 2412 2412 2437 2462 2412 Freq. (MHz) 5230 5230 Freq. (MHz) 5310 5310 5310 5310 5310 5310 5310 5310	Power + Max. Tolerance (dBm) 17.00 17.00 17.00 17.00 17.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.00 16.00 16.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm) 16.99 16.99 16.99 16.99 16.99 Measured Avg. Power 15.86 15.86 15.86 15.86 14.94 Measured Avg. Power (dBm) 14.94 14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 14.31	scaling 1.04 1.04 1.04 1.04 1.04 1.04 1.02 1.02 1.02 1.02 1.02 1.02 1.03 1.03 1.03 Duty cycle scaling 1.03 1.03 Duty cycle scaling 1.04 1.05 1.06 1.07 1.08 1.09 1.09 1.09 1.09 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	scaling 100.23% 100.23% 100.23% 100.23% 100.23% Power scaling 101.16% 101.16% 102.80% 101.16% Power scaling 101.19% 101.39% 101.39% 101.39% 100.23% 100.23% 100.23% 100.23% 100.23%	Measured 0.286 1.110 0.152 1.080 Averaged SAR Measured 0.133 0.337 0.326 0.319 0.072 Averaged SAR Measured 0.088 0.088 0.085 Averaged SAR Measured 0.098 0.636 0.029 Averaged SAR Measured 0.098 0.636 0.029 Averaged SAR Measured 0.088	Reported 0.298 1.158 0.159 1.127 cover 1g (W/kg) Reported 0.137 0.347 0.342 0.342 0.334 0.074 SAR over 1g (K/kg) Reported 0.092 0.641 0.036 cover 1g (W/kg) Reported 0.101 0.655 0.030 cover 1g (W/kg) Reported 0.118 0.886	- 059 - 1D - 060 - 1D - 1D - 1D - 1D - 1D - 1D - 1D - 1D

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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Mode	Antenna	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(80M) 5.8G	Tx2	Back Surface	0	155	5775	15.00	14.98	1.04	100.46%	0.109	0.114	-
WLAN 802.11ac(80M) 5.8G	Tx2	Top Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.365	0.382	064
WLAN 802.11ac(80M) 5.8G	Tx2	Left Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.043	0.045	-
Mode	Antenna	Desiden	Distance	Ohanad	Channel Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
widde	Antenna	Position	(mm)	Channel	(MUz)	Power + Max.	Avg. Power	cooling	cooling			טו
wode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	ID
WLAN 802.11ac(80M) 5.9G	Tx2	Back Surface	(mm) 0	171	(MHz) 5855			scaling 1.04	scaling 100.23%	Measured 0.210	Reported 0.219	-
			(mm) 0 0		` '	Tolerance (dBm)	(dBm)	Ů	Ů			- 065
WLAN 802.11ac(80M) 5.9G	Tx2	Back Surface	(mm) 0 0	171	5855	Tolerance (dBm) 17.00	(dBm) 16.99	1.04	100.23%	0.210	0.219	-

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

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

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United States the results shown in this test report test only to the samples) result and such samples) are tested at the state of 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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Book mode Vendor 1

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						Max. Rated Avg.	Measured				4 0444 \	
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	0 1 07	ID
WLAN 802.11b	Tx1	Right Edge	0	1	2412	16.00	15.96	1.02	100.93%	0.037		
WLAN 802.11b	Tx1	Right Edge	0	6	2412	16.00	15.99	1.02	100.93%	0.037		014
WLAN 802.11b	Tx1	Right Edge	0	11	2437	16.00	15.99	1.02	100.23%	0.063		014
WLAN 802.11D	IXI	Rigiti Eage	0	- ''	2402			1.02	100.46%	0.055	0.056	
Mode	Antenna	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	Reported 0.016 0.016 over 1g (W/kg) Reported 0.207 0.226 over 1g (W/kg) Reported 0.196 over 1g (W/kg) Reported 0.098 over 1g (W/kg) Reported 0.124 over 1g (W/kg) Reported 0.124 over 1g (W/kg) Reported 0.193 over 1g (W/kg) Reported 0.193 over 1g (W/kg) Reported 0.193 over 1g (W/kg) Reported 0.193 over 1g (W/kg) Reported 0.017	ID
Mode	Antenna	Position	(mm)	Channel	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Papartad	ID
Bluetooth(GFSK)	Tx1	Right Edge	0	39	2441	6.00	5.99	1.34	100.23%	0.012		015
Bidetootii(Gr3K)	IXI	Rigili Euge	0	39	2441			1.34	100.23%	0.012	0.016	015
Mode	Antenna	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
Mode	Antenna	Position	(mm)	Channel	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	ID
WLAN 802.11n(40M) 5.2G	Tx1	Right Edge	0	38	5190	15.00	14.94	1.03	101.39%			
. ,						<u>, </u>						-
WLAN 802.11n(40M) 5.2G	Tx1	Right Edge	0	46	5230	15.00	14.99	1.03	100.23%	0.220	0.226	016
			Distance		Frea.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power	scaling	scaling	Manager	Demonstrat	ID
			_			, ,	(dBm)					
WLAN 802.11n(40M) 5.3G	Tx1	Right Edge	0	54	5270	14.50	14.49	1.03	100.23%	0.190	0.196	017
			Distance		Frea.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max.	Avg. Power	scaling	scaling		0 (0)	ID
			` '		, ,	Tolerance (dBm)	(dBm)					
WLAN 802.11ac(80M) 5.6G	Tx1	Right Edge	0	138	5690	14.50	14.49	1.04	100.23%	0.094	0.098	018
			Distance		Frea.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1a (W/ka)	
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max.	Avg. Power	scaling	scaling		0 1 0/	ID
					, ,	Tolerance (dBm)	(dBm)			0.199 0.207 0.226 Averaged SAR over 1g (Wikg Measured Reported 0.190 0.196 Averaged SAR over 1g (Wikg Measured Reported 0.094 0.098 Averaged SAR over 1g (Wikg Measured Reported 0.119 0.124 Averaged SAR over 1g (Wikg Measured Reported 0.119 0.124		
WLAN 802.11ac(80M) 5.8G	Tx1	Right Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.119	0.124	019
			Distance		Frea.	Max. Rated Avg.	Measured	Donto contr	Power	Averaged SAP	over 1a (M/ka)	
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max.	Avg. Power	Duty cycle scaling	scaling	Averaged SAIN	over ig (vv/kg)	ID
			(11111)		(IVITZ)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11ac(80M) 5.9G	Tx1	Right Edge	0	171	5855	17.00	16.99	1.04	100.23%	0.185	0.193	020
						Max. Rated Avg.	Measured				4 0440 >	
Mode	Antenna	Position	Distance	Channel	Freq.	Power + Max.	Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
			(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11b	Tx2	Left Edge	0	1	2412	16.00	15.95	1.02	101.16%	0.017	0.017	021
WLAN 802.11b	Tx2	Left Edge	0	6	2437	16.00	15.86	1.02	103.28%	0.012	0.013	-
WLAN 802.11b	Tx2	Left Edge	0	11	2462	16.00	15.88	1.02	102.80%	0.014	0.015	
WE-14 002.11B	1,7,2	Len Luge	Ů	- ''	2402			1.02	102.0070	Averaged S		-
Mode	Antenna	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged S		ID
Mode		Position	(mm)	Channel	(MHz)	POWEL + IVIAX.	Avg. Power	scaling	scaling	Measured	07	ID
	, artorma		(111111)		(1411 12)	Tolerance (dRm)	(dRm)	Scannig				
MII ANI 902 44 - (40M) 5 2C		Latt Edma	, ,	46	, ,	Tolerance (dBm)	(dBm)		101 200/		Reported	022
WLAN 802.11n(40M) 5.2G	Tx2	Left Edge	0	46	5230	15.00	14.94	1.03	101.39%	0.077	0.080	022
	Tx2		0		5230	15.00 Max. Rated Avg.	14.94 Measured	1.03			0.080	<u> </u>
WLAN 802.11n(40M) 5.2G Mode		Left Edge Position	, ,	46 Channel	, ,	15.00 Max. Rated Avg. Power + Max.	14.94 Measured Avg. Power		101.39% Power scaling	0.077 Averaged SAR	0.080 over 1g (W/kg)	022 ID
Mode	Tx2 Antenna	Position	0 Distance (mm)	Channel	5230 Freq. (MHz)	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	14.94 Measured Avg. Power (dBm)	1.03 Duty cycle scaling	Power scaling	0.077 Averaged SAR Measured	0.080 over 1g (W/kg) Reported	ID
	Tx2		0 Distance		5230 Freq.	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm)	14.94 Measured Avg. Power (dBm) 14.49	1.03 Duty cycle	Power	0.077 Averaged SAR	0.080 over 1g (W/kg)	<u> </u>
Mode WLAN 802.11n(40M) 5.3G	Tx2 Antenna Tx2	Position Left Edge	0 Distance (mm)	Channel 62	5230 Freq. (MHz) 5310	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg.	14.94 Measured Avg. Power (dBm) 14.49 Measured	1.03 Duty cycle scaling 1.03	Power scaling 100.23%	0.077 Averaged SAR Measured	0.080 over 1g (W/kg) Reported 0.056	ID 023
Mode	Tx2 Antenna	Position	0 Distance (mm)	Channel	5230 Freq. (MHz)	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max.	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power	1.03 Duty cycle scaling	Power scaling	0.077 Averaged SAR Measured 0.054 Averaged SAR	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg)	ID
Mode WLAN 802.11n(40M) 5.3G Mode	Tx2 Antenna Tx2 Antenna	Position Left Edge Position	0 Distance (mm) 0 Distance (mm)	Channel 62 Channel	5230 Freq. (MHz) 5310 Freq. (MHz)	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm)	1.03 Duty cycle scaling 1.03 Duty cycle scaling	Power scaling 100.23% Power scaling	0.077 Averaged SAR Measured 0.054 Averaged SAR Measured	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg) Reported	ID 023
Mode WLAN 802.11n(40M) 5.3G	Tx2 Antenna Tx2	Position Left Edge	0 Distance (mm) 0 Distance	Channel 62	5230 Freq. (MHz) 5310 Freq.	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max.	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power	1.03 Duty cycle scaling 1.03 Duty cycle	Power scaling 100.23%	0.077 Averaged SAR Measured 0.054 Averaged SAR	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg)	ID 023
Mode WLAN 802.11n(40M) 5.3G Mode WLAN 802.11ac(80M) 5.6G	Tx2 Antenna Tx2 Antenna Tx2 Antenna	Position Left Edge Position Left Edge	0 Distance (mm) 0 Distance (mm) 0 Distance (mm)	Channel 62 Channel 138	5230 Freq. (MHz) 5310 Freq. (MHz) 53690	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Avg. Max. Rated Avg. Max. Rated Avg.	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Measured	1.03 Duty cycle scaling 1.03 Duty cycle scaling 1.04	Power scaling 100.23% Power scaling 100.23%	0.077 Averaged SAR Measured 0.054 Averaged SAR Measured 0.068	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg) Reported 0.071	ID 023 ID 024
Mode WLAN 802.11n(40M) 5.3G Mode	Tx2 Antenna Tx2 Antenna	Position Left Edge Position	0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 Distance	Channel 62 Channel	5230 Freq. (MHz) 5310 Freq. (MHz) 5690 Freq.	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max.	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power	1.03 Duty cycle scaling 1.03 Duty cycle scaling 1.04 Duty cycle	Power scaling 100.23% Power scaling 100.23% Power	0.077 Averaged SAR Measured 0.054 Averaged SAR Measured 0.068 Averaged SAR	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg) Reported 0.071 over 1g (W/kg)	ID 023
Mode WLAN 802.11n(40M) 5.3G Mode WLAN 802.11ac(80M) 5.6G	Tx2 Antenna Tx2 Antenna Tx2 Antenna	Position Left Edge Position Left Edge	0 Distance (mm) 0 Distance (mm) 0 Distance (mm)	Channel 62 Channel 138	5230 Freq. (MHz) 5310 Freq. (MHz) 53690	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Avg. Max. Rated Avg. Max. Rated Avg.	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Measured	1.03 Duty cycle scaling 1.03 Duty cycle scaling 1.04	Power scaling 100.23% Power scaling 100.23%	0.077 Averaged SAR Measured 0.054 Averaged SAR Measured 0.068	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg) Reported 0.071	ID 023 ID 024
Mode WLAN 802.11n(40M) 5.3G Mode WLAN 802.11ac(80M) 5.6G	Tx2 Antenna Tx2 Antenna Tx2 Antenna	Position Left Edge Position Left Edge	0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 Distance	Channel 62 Channel 138	5230 Freq. (MHz) 5310 Freq. (MHz) 5690 Freq.	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max.	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power	1.03 Duty cycle scaling 1.03 Duty cycle scaling 1.04 Duty cycle	Power scaling 100.23% Power scaling 100.23% Power	0.077 Averaged SAR Measured 0.054 Averaged SAR Measured 0.068 Averaged SAR	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg) Reported 0.071 over 1g (W/kg)	ID 023 ID 024
Mode WLAN 802.11n(40M) 5.3G Mode WLAN 802.11ac(80M) 5.6G Mode	Tx2 Antenna Tx2 Antenna Tx2 Antenna Tx2 Antenna	Position Left Edge Position Left Edge Position	Distance (mm) O Distance (mm) O Distance (mm) O Distance (mm) O	Channel 62 Channel 138 Channel	5230 Freq. (MHz) 5310 Freq. (MHz) 5690 Freq. (MHz) 5775	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm)	1.03 Duty cycle scaling 1.03 Duty cycle scaling 1.04 Duty cycle scaling 1.04 Lot cycle scaling 1.04	Power scaling 100.23% Power scaling 100.23% Power scaling 100.46%	0.077 Averaged SAR Measured 0.054 Averaged SAR Measured 0.068 Averaged SAR Measured 0.0691	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg) Reported 0.071 over 1g (W/kg) Reported 0.095	ID 023 ID 024 ID
Mode WLAN 802.11n(40M) 5.3G Mode WLAN 802.11ac(80M) 5.6G Mode	Tx2 Antenna Tx2 Antenna Tx2 Antenna Tx2 Antenna	Position Left Edge Position Left Edge Position	0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 Distance (mm) 0 Distance (mm)	Channel 62 Channel 138 Channel	5230 Freq. (MHz) 5310 Freq. (MHz) 5690 Freq. (MHz) 5775 Freq.	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Power + Max. Power + Max. Tolerance (dBm)	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.98 Measured Avg. Power (dBm) Avg. Power	1.03 Duty cycle scaling 1.03 Duty cycle scaling 1.04 Duty cycle scaling 1.04 Duty cycle scaling 1.04 Duty cycle scaling	Power scaling 100.23% Power scaling 100.23% Power scaling 100.46% Power	0.077 Averaged SAR Measured 0.054 Averaged SAR Measured 0.068 Averaged SAR Measured	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg) Reported 0.071 over 1g (W/kg) Reported 0.095	ID 023 ID 024 ID
Mode WLAN 802.11n(40M) 5.3G Mode WLAN 802.11ac(80M) 5.6G Mode WLAN 802.11ac(80M) 5.8G	Tx2 Antenna Tx2 Antenna Tx2 Antenna Tx2 Antenna Tx2	Position Left Edge Position Left Edge Position Left Edge	Distance (mm) O Distance (mm) O Distance (mm) O Distance (mm) O	Channel 62 Channel 138 Channel	5230 Freq. (MHz) 5310 Freq. (MHz) 5690 Freq. (MHz) 5775	15.00 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 14.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 15.00 Max. Rated Avg. Max. Rated Avg.	14.94 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.49 Measured Avg. Power (dBm) 14.98 Measured	1.03 Duty cycle scaling 1.03 Duty cycle scaling 1.04 Duty cycle scaling 1.04 Lot cycle scaling 1.04	Power scaling 100.23% Power scaling 100.23% Power scaling 100.46%	0.077 Averaged SAR Measured 0.054 Averaged SAR Measured 0.068 Averaged SAR Measured 0.0691	0.080 over 1g (W/kg) Reported 0.056 over 1g (W/kg) Reported 0.071 over 1g (W/kg) Reported 0.095	ID 023 ID 024 ID 025

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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Book mode Vendor 2

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			Distance		Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	
Mode	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	ID
WLAN 802.11b	Tx1	Right Edge	0	1	2412	16.00	15.96	1.02	100.93%	0.069	0.071	-
WLAN 802.11b	Tx1	Right Edge	0	6	2437	16.00	15.99	1.02	100.23%	0.075	0.076	066
WLAN 802.11b	Tx1	Right Edge	0	11	2462	16.00	15.98	1.02	100.46%	0.061	0.062	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
			` '		` ′	Tolerance (dBm)	(dBm)	, ,	Ů	Measured	Reported	
Bluetooth(GFSK)	Tx1	Right Edge	0	39	2441	6.00	5.99	1.34	100.23%	0.021	0.029	067
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11n(40M) 5.2G	Tx1	Right Edge	0	38	5190	15.00	14.94	1.03	101.39%	0.073	0.076	-
WLAN 802.11n(40M) 5.2G	Tx1	Right Edge	0	46	5230	15.00	14.99	1.03	100.23%	0.081	0.083	068
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11n(40M) 5.3G	Tx1	Right Edge	0	54	5270	14.50	14.49	1.03	100.23%	0.072	0.074	069
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11ac(80M) 5.6G	Tx1	Right Edge	0	138	5690	14.50	14.49	1.04	100.23%	0.049	0.051	070
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11ac(80M) 5.8G	Tx1	Right Edge	0	155	5775	15.00	14.98	1.04	100.46%	0.065	0.068	071
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11ac(80M) 5.9G	Tx1	Right Edge	0	171	5855	17.00	16.99	1.04	100.23%	0.125	0.130	072
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11b	Tx2	Left Edge	0	1	2412	16.00	15.95	1.02	101.16%	0.024	0.025	073
WLAN 802.11b	Tx2	Left Edge	0	6	2437	16.00	15.86	1.02	103.28%	0.017	0.018	-
WLAN 802 11b	Tx2	Left Edge	0	11	2462	16.00	15.88	1.02	102.80%	0.021	0.022	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged S (Wi	SAR over 1g	ID
WLAN 802.11n(40M) 5.2G	Tx2	Left Edge	0	46	5230	15.00	14.94	1.03	101.39%	0.064	0.067	074
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11n(40M) 5.3G	Tx2	Left Edge	0	62	5310	14.50	14.49	1.03	100.23%	0.061	0.063	075
	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
Mode							14.49	1.04	100.23%	0.042	0.043	076
Mode WLAN 802.11ac(80M) 5.6G	Tx2	Left Edge	0	138	5690	14.50	14.49				0.043	
	Tx2 Antenna	Left Edge Position	0 Distance (mm)	138 Channel	5690 Freq. (MHz)	14.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg) Reported	ID
WLAN 802.11ac(80M) 5.6G		,	Distance		Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle		Averaged SAR	over 1g (W/kg)	
WLAN 802.11ac(80M) 5.6G Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	scaling	Averaged SAR Measured 0.031	over 1g (W/kg) Reported	ID

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WIFI 6E Tablet mode Vendor 1

Report No.: TESA2210000419EN

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Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR		Estimated Measured APD W/m^2 (4cm^2)		ID
						, ,		-		Measured	Reported			
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Back Surface	0	47	6185	14.50	14.49	1.00	100.23%	0.134	0.134	1.27	1.273	-
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Top Edge	0	15	6025	14.50	14.41	1.00	102.09%	0.490	0.500	2.88	2.940	-
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Top Edge	0	47	6185	14.50	14.49	1.00	100.23%	0.560	0.561	3.66	3.668	-
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Top Edge	0	79	6345	14.50	14.48	1.00	100.46%	0.593	0.596	3.98		027
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Right Edge	0	47	6185	14.50	14.49	1.00	100.23%	0.084	0.084	0.966	0.968	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-6 6.5GHz802.11ax(160M)	Tx1	Back Surface	0	111	6505	15.00	14.85	1.00	103.51%	0.214	0.222	1.84	1.905	-
U-NII-6 6.5GHz802.11ax(160M)	Tx1	Top Edge	0	111	6505	15.00	14.85	1.00	103.51%	0.765	0.792	4.31	4.461	02
U-NII-6 6.5GHz802.11ax(160M)	Tx1	Right Edge	0	111	6505	15.00	14.85	1.00	103.51%	0.098	0.101	1.25	1.294	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)		ID
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Back Surface	0	175	6825	15.00	14.99	1.00	100.23%	0.274	0.275	2.04	2.045	-
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Top Edge	0	143	6665	15.00	14.88	1.00	102.80%	0.828	0.851	4.72	4.852	-
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Top Edge	0	175	6825	15.00	14.99	1.00	100.23%	0.860	0.862	5.34	5.352	02
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Right Edge	0	175	6825	15.00	14.99	1.00	100.23%	0.114	0.114	1.58		-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)		IC
U-NII-8 7.0GHz802.11ax(80M)	Tx1	Back Surface	0	183	6865	13.00	12.99	1.03	100.23%	0.115	0.119	1.34	1.385	-
U-NII-8 7.0GHz802.11ax(80M)	Tx1	Top Edge	0	183	6865	13.00	12.99	1.03	100.23%	0.460	0.475	2.9	2.997	03
U-NII-8 7.0GHz802.11ax(80M)	Tx1	Right Edge	0	183	6865	13.00	12.99	1.03	100.23%	0.075	0.078	0.962	0.994	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD	IC
						Tolerance (dBm)	(dBm)	-		Measured	Reported	W/m^2 (4cm^2)	. ,	
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Back Surface	0	79	6345	14.50	14.49	1.00	100.23%	0.264	0.265	1.95		-
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Top Edge	0	15	6025	14.50	14.33	1.00	103.99%	0.696	0.724	3.91	4.066	-
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Top Edge	0	47	6185	14.50	14.41	1.00	102.09%	0.784	0.800	4.31	4.400	03
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Top Edge	0	79	6345	14.50	14.49	1.00	100.23%	0.684	0.686	4.69		
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Left Edge	0	79	6345	14.50	14.49	1.00	100.23%	0.096	0.096	1.31	1.313	
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)		II
U-NII-6 6.5GHz802.11ax(160M)	Tx2	Back Surface	0	111	6505	15.00	14.91	1.00	102.09%	0.318	0.325	2.28	2.328	
U-NII-6 6.5GHz802.11ax(160M)	Tx2	Top Edge	0	111	6505	15.00	14.91	1.00	102.09%	0.932	0.952	5.64		03
U-NII-6 6.5GHz802.11ax(160M)	Tx2	Left Edge	0	111	6505	15.00	14.91	1.00	102.09%	0.156	0.159	1.73		
U-NII-6 6.5GHz802.11ax(160M)	Tx2	Top Edge*	0	111	6505	15.00	14.91	1.00	102.09%	0.130	0.133	5.31		
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured		Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD	ı
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Back Surface	0	175	6825	15.00	14.91	1.00	102.09%	0.325	0.332	2.31	2.358	
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Top Edge	0	143	6665	15.00	14.90	1.00	102.33%	1.080	1.105	6.02		03
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Top Edge	0	175	6825	15.00	14.91	1.00	102.09%	0.933	0.953	5.96		
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Left Edge	0	175	6825	15.00	14.91	1.00	102.09%	0.163	0.166	1.75		-
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Top Edge*	0	143	6665	15.00	14.90	1.00	102.33%	1.050	1.074	6.01		
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured		Estimated Measured APD	Estimated	II
U-NII-8 7.0GHz802.11ax(80M)	Tx2	Back Surface	0	199	6945	13.00	12.99	1.03	100.23%	0.102	0.105	1.25	1.292	
. , ,	Tx2	Top Edge	0	199	6945	13.00	12.99	1.03	100.23%	0.435	0.450	3.32	3.431	03
U-NII-8 7.0GHz802.11ax(80M)														

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Tablet mode Vendor 2

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Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD	ID
			()		(111112)	Tolerance (dBm)	(dBm)	County	occining	Measured	Reported	W/m^2 (4cm^2)	W/m^2 (4cm^2)	
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Back Surface	0	47	6185	14.50	14.49	1.00	100.23%	0.161	0.161	1.21	1.213	-
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Top Edge	0	15	6025	14.50	14.41	1.00	102.09%	0.728	0.743	4.08	4.165	-
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Top Edge	0	47	6185	14.50	14.49	1.00	100.23%	0.750	0.752	4.11	4.119	-
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Top Edge	0	79	6345	14.50	14.48	1.00	100.46%	0.787	0.791	4.12	4.139	079
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Right Edge	0	47	6185	14.50	14.49	1.00	100.23%	0.103	0.103	1.11	1.113	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-6 6.5GHz802.11ax(160M)	Tx1	Back Surface	0	111	6505	15.00	14.85	1.00	103.51%	0.207	0.214	2.02	2.091	
U-NII-6 6.5GHz802.11ax(160M)	Tx1	Top Edge	0	111	6505	15.00	14.85	1.00	103.51%	0.854	0.884	4.38	4.534	080
U-NII-6 6.5GHz802.11ax(160M)	Tx1		-	111	6505	15.00	14.85	1.00	103.51%	0.854	0.864	1.63		
U-NII-6 6.5GH2802.11ax(160M)	IX1	Right Edge	0	111	6505		14.85	1.00	103.51%	0.154	0.159			-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Back Surface	0	175	6825	15.00	14.99	1.00	100.23%	0.286	0.287	2.09	2.095	-
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Top Edge	0	143	6665	15.00	14.88	1.00	102.80%	0.917	0.943	4.95		-
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Top Edge	0	175	6825	15.00	14.99	1.00	100.23%	1.020	1.022	5.22		081
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Right Edge	0	175	6825	15.00	14.99	1.00	100.23%	0.166	0.166	1.75		001
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Top Edge*	0	175	6825	15.00	14.99	1.00	100.23%	0.984	0.100	5.06		-
0-NII-7 0.7GH2802.TTaX(100W)	IXI	Top Eage	0	173	0023	15.00	14.99	1.00	100.2376	0.904	0.900	5.00	3.072	_
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-8 7.0GHz802.11ax(80M)	Tx1	Back Surface	0	183	6865	13.00	12.99	1.03	100.23%	0.183	0.189	1.35	1.395	
U-NII-8 7.0GHz802.11ax(80M)	Tx1	Top Edge	0	183	6865	13.00	12.99	1.03	100.23%	0.592	0.612	2.97	3.069	082
U-NII-8 7.0GHz802.11ax(80M)	Tx1	Right Edge	0	183	6865	13.00	12.99	1.03	100.23%	0.105	0.109	1.12		002
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
						, ,	- ' '			Measured	Reported	. ,	` ′	
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Back Surface	0	79	6345	14.50	14.49	1.00	100.23%	0.187	0.187	1.44	1.443	-
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Top Edge	0	15	6025	14.50	14.33	1.00	103.99%	0.804	0.836	4.44		083
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Top Edge	0	47	6185	14.50	14.41	1.00	102.09%	0.759	0.775	4.29		-
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Top Edge	0	79	6345	14.50	14.49	1.00	100.23%	0.706	0.708	4.09		-
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Left Edge	0	79	6345	14.50	14.49	1.00	100.23%	0.096	0.096	1.06	1.062	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-6 6.5GHz802.11ax(160M)	Tx2	Back Surface	0	111	6505	15.00	14.91	1.00	102.09%	0.177	0.181	1.38	1.409	
U-NII-6 6.5GHz802.11ax(160M)	Tx2	Top Edge	0	111	6505	15.00	14.91	1.00	102.09%	0.829	0.846	4.52		084
U-NII-6 6.5GHz802.11ax(160M)	Tx2	Left Edge	0	111	6505	15.00	14.91	1.00	102.09%	0.029	0.093	1.05		
Mode Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD	ID
			` /		` ′	Tolerance (dBm)	(dBm)	J	,	Measured	Reported	W/m^2 (4cm^2)	W/m^2 (4cm^2)	
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Back Surface	0	175	6825	15.00	14.91	1.00	102.09%	0.332	0.339	2.54	2.593	-
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Top Edge	0	143	6665	15.00	14.90	1.00	102.33%	0.833	0.852	4.52		-
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Top Edge	0	175	6825	15.00	14.91	1.00	102.09%	0.942	0.962	4.9	5.003	085
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Left Edge	0	175	6825	15.00	14.91	1.00	102.09%	0.234	0.239	1.85	1.889	-
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Top Edge*	0	175	6825	15.00	14.91	1.00	102.09%	0.932	0.952	4.76	4.860	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-8 7.0GHz802.11ax(80M)	Tx2	Back Surface	0	199	6945	13.00	12.99	1.03	100.23%	0.155	0.160	1.17	1.209	-
U-NII-8 7.0GHz802.11ax(80M)	Tx2	Top Edge	0	199	6945	13.00	12.99	1.03	100.23%	0.500	0.517	2.61	2.697	086
U-NII-8 7.0GHz802.11ax(80M)	Tx2	Left Edge	0	199	6945	13.00	12.99	1.03	100.23%	0.076	0.079	0.966		-
5 141 5 7.001 E002. 118A(00NI)	1/4	Leit Luge	, v	100	0040	15.00	12.00	1.00	100.2070	0.070	0.070	0.900	0.000	

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Book mode Vendor 1

U-Nil-6 6.26Heb02 Tract(100M)	Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-5 6.2GH-2002-Tian(190M)	U-NII-5 6.2GHz802.11ax(160M)	Tx1	Right Edge	0	15	6025	14.50	14.41	1.00	102.09%			0.303	0.309	-
Mode	U-NII-5 6.2GHz802.11ax(160M)	Tx1		0	47	6185	14.50	14.49	1.00	100.23%	0.050	0.050	0.322	0.323	035
Mode	U-NII-5 6.2GHz802.11ax(160M)	Tx1	Right Edge	0	79	6345	14.50	14.48	1.00	100.46%	0.044	0.044	0.285	0.286	-
U-Nil-6 6.5GHz802_t1ax(160M)	Mode	Antenna	Position		Channel		Power + Max.	Avg. Power					Measured APD	Reported APD	ID
Distance	U-NII-6 6 5GHz802 11ax(160M)	Tx1	Right Edge	0	111	6505	, ,	. ,	1.00	103.51%			. ,	. ,	036
U-NII-7 6.7GHz802.11ax(160M)	<u> </u>			Distance		Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD	
Mode+C577:Q713	U-NII-7 6 7GHz802 11ax(160M)	Tx1	Right Edge	0	175	6825	, ,	. ,	1.00	100 23%			. ,	. ,	037
U-Nil-8 7.0GHz802.11ax(80M)	, , , , , , , , , , , , , , , , , , , ,			Distance		Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power			Estimated Measured APD	Estimated Reported APD	
Mode Antenna Position Distance (mm) Channel (Mtz) Power + Max. Tolerance (GBm) Power + Max. Tolerance (GBm) Channel (Mtz) Power + Max. Tolerance (GBm) Power + Max. To				(11111)		(IVII IZ)	Tolerance (dBm)	(dBm)	acaming	acanny	Measured	Reported	W/m^2 (4cm^2)	W/m^2 (4cm^2)	
Destance Channel Position Channel Freq. Power + Max Tolerance (dBm) Avg. Power Column Scaling	U-NII-8 7.0GHz802.11ax(80M)	Tx1	Right Edge	0	183	6865	13.00	12.99	1.03	100.23%	0.035	0.036	0.198	0.205	038
U-NII-5 6.2GHz802.11ax[160M] Tx2 Left Edge 0 15 6025 14.50 14.33 1.00 103.99% 0.051 0.053 0.325 0.332 -	Mode	Antenna	Position		Channel		Power + Max.	Avg. Power			Averaged SAR	over 1g (W/kg)	Measured APD	Reported APD	ID
U-NII-5 6.2GHz802.11ax(160M) Tx2 Left Edge 0 47 6185 14.50 14.41 1.00 102.09% 0.044 0.045 0.325 0.332 -				, í		, ,	, ,	, ,	ŭ	ŭ	Measured	Reported		` '	
U-NII-5 6.2GHz802.11ax(160M) Tx2 Left Edge 0 79 6345 14.50 14.49 1.00 100.23% 0.056 0.056 0.056 0.40 0.401 0.39	U-NII-5 6.2GHz802.11ax(160M)	Tx2	Left Edge	0	15	6025	14.50	14.33	1.00	103.99%	0.051	0.053		0.395	-
Mode	U-NII-5 6.2GHz802.11ax(160M)	Tx2	Left Edge	0	47	6185	14.50	14.41	1.00	102.09%	0.044	0.045	0.325	0.332	-
Mode	U-NII-5 6.2GHz802.11ax(160M)	Tx2	Left Edge	0	79	6345	14.50	14.49	1.00	100.23%	0.056	0.056	0.4	0.401	039
U-Nil-6 6.5GHz802.11ax(160M) Tx2 Left Edge 0 111 6605 15.00 14.91 1.00 102.09% 0.063 0.064 0.46 0.470 0.40	Mode	Antenna	Position		Channel		Power + Max.	Avg. Power			Averaged SAR	over 1g (W/kg)	Measured APD	Reported APD	Ō
Mode				()		(1411 12)	Tolerance (dBm)	(dBm)	bouning	odanig	Measured	Reported	W/m^2 (4cm^2)	W/m^2 (4cm^2)	
Mode	U-NII-6 6.5GHz802.11ax(160M)	Tx2	Left Edge	0	111	6505	15.00	14.91	1.00	102.09%	0.063	0.064	0.46	0.470	040
U-NII-7 6.7GHz802.11ax(160M) Tx2 Left Edge 0 175 6825 15.00 14.91 1.00 102.09% 0.039 0.040 0.271 0.277 041 Mode Antenna Position Distance (mm) Distance (mm) Channel (M+z) Tolerance (dBm) (dBm) (dBm) (dBm) (dBm) Measured Avg. Power + Max. Tolerance (dBm) (dBm) (dBm) (dBm) Measured Reported APD ID Min'2 (4cm'2) Win'2 (4cm'2) Win'2 (4cm'2) Win'2 (4cm'2) Win'2 (4cm'2) Win'2 (4cm'2)	Mode	Antenna	Position		Channel		Power + Max.	Avg. Power					Measured APD	Reported APD	D
Mode Antenna Position Distance (mm) Distance (mm) Channel (MHz) Max. Rated Avg. Power Max. Tolerance (dBm) (dBm) Duty cycle scaling Scaling Scaling Scaling Scaling Scaling Scaling Measured Reported APD Measured Reported APD Win/2 (4cm/2) Wi	LLNIL7 6 7GHz802 11av(160M)	Ty2	Left Edge	0	175	6825	, ,	. ,	1.00	102.09%			. ,	. ,	041
				Distance		Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD	
	U-NII-8 7.0GHz802.11ax(80M)	Tx2	Left Edge	0	199	6945	13.00	12.99	1.03	100.23%		-	0.192	0.198	042

Book mode Vendor 2

Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Right Edge	0	15	6025	14.50	14.41	1.00	102.09%	0.045	0.046	0.325	0.332	087
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Right Edge	0	47	6185	14.50	14.49	1.00	100.23%	0.028	0.028	0.185	0.185	_
U-NII-5 6.2GHz802.11ax(160M)	Tx1	Right Edge	0	79	6345	14.50	14.48	1.00	100.46%	0.041	0.041	0.259	0.260	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD W/m^2 (4cm^2)	ID
						, ,				Measured	Reported		, ,	
U-NII-6 6.5GHz802.11ax(160M)	Tx1	Right Edge	0	111	6505	15.00	14.85	1.00	103.51%	0.055	0.057	0.37	0.383	088
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
			_			, ,	` '			Measured	Reported	,	,	
U-NII-7 6.7GHz802.11ax(160M)	Tx1	Right Edge	0	175	6825	15.00	14.99	1.00	100.23%	0.034	0.034	0.205	0.205	089
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD	ID
			(11111)		(IVII IZ)	Tolerance (dBm)	(dBm)	acaiiig	Joanny	Measured	Reported	W/m^2 (4cm^2)	W/m^2 (4cm^2)	
U-NII-8 7.0GHz802.11ax(80M)	Tx1	Right Edge	0	183	6865	13.00	12.99	1.03	100.23%	0.024	0.025	0.163	0.168	090
U-NII-8 7.0GHz802.11ax(80M)	Tx1	Right Edge	0	215	7025	12.50	12.36	1.03	103.28%	0.019	0.020	0.132	0.141	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD	ID
			` '		, ,	Tolerance (dBm)	(dBm)	T.		Measured	Reported		W/m^2 (4cm^2)	
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Left Edge	0	15	6025	14.50	14.33	1.00	103.99%	0.047	0.049	0.314	0.327	-
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Left Edge	0	47	6185	14.50	14.41	1.00	102.09%	0.072	0.074	0.5		091
U-NII-5 6.2GHz802.11ax(160M)	Tx2	Left Edge	0	79	6345	14.50	14.49	1.00	100.23%	0.058	0.058	0.363	0.364	-
Mode	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD	ID
			` '		, ,	Tolerance (dBm)	(dBm)	· ·		Measured	Reported	VV/m^2 (4cm^2)	W/m^2 (4cm^2)	
U-NII-6 6.5GHz802.11ax(160M)	Tx2	Left Edge	0	111	6505	15.00	14.91	1.00	102.09%	0.064	0.065	0.456	0.466	092
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated Measured APD W/m^2 (4cm^2)	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-7 6.7GHz802.11ax(160M)	Tx2	Left Edge	0	175	6825	15.00	14.91	1.00	102.09%	0.066	0.067	0.398	0.406	093
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg)	Estimated Measured APD	Estimated Reported APD W/m^2 (4cm^2)	ID
U-NII-8 7.0GHz802.11ax(80M)	Tx2	Left Edge	0	199	6945	13.00	12.99	1.03	100.23%	0.052	0.054	0.303	0.313	094
2 2		Lugo			1 2310			00		2.302	2.304	0.000	2.310	

Note:

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

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8.3 **Summary of PD Results**

Vendor 1

					_	Max. Rated Avg.	Measured	_				PD res	ult(4cm)		
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	ID
WLAN 6E 802.11ax(160M)	Tx1	Top Edge	2	47	6185	14.50	14.49	100.23%	1.00	1.55	1.290	2.004	1.100	1.709	043
U-NII-5	Tx1	Top Edge	2	79	6345	14.50	14.48	100.46%	1.00	1.55	1.740	2.709	1.480	2.305	044
WLAN 6E 802.11ax(160M) U-NII-6	Tx1	Top Edge	2	111	6505	15.00	14.85	103.51%	1.00	1.55	2.360	3.787	2.230	3.578	045
WLAN 6E 802.11ax(160M)	Tx1	Top Edge	2	143	6665	15.00	14.88	102.80%	1.00	1.55	1.850	2.948	1.710	2.725	-
U-NII-7	Tx1	Top Edge	2	175	6825	15.00	14.99	100.23%	1.00	1.55	1.980	3.076	1.580	2.455	046
WLAN 6E 802.11ax(160M) U-NII-8	Tx1	Top Edge	2	183	6865	13.00	12.99	100.23%	1.00	1.55	0.933	1.449	0.643	0.999	047
			B		5	Max. Rated Avg.	Measured	.	D. 4			PD res	ult(4cm)		
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (W/m^2)	PD res Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	ID
WLAN 6E 802:11ax(160M)	Antenna Tx2	Position Top Edge		Channel 15		Power + Max.	Avg. Power				Total psPD	Reported Total psPD	Measured Normal psPD	Normal psPD	ID 048
			(mm)	-	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Scaling	scaling	uncertainty	Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Normal psPD (W/m^2)	
WLAN 6E 802:11ax(160M)	Tx2	Top Edge	(mm) 2	15	(MHz) 6025	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Scaling 103.99%	scaling 1.00	uncertainty 1.55	Total psPD (W/m^2) 2.200	Reported Total psPD (W/m^2) 3.546	Measured Normal psPD (W/m^2) 1.730	Normal psPD (W/m^2) 2.789	048
WLAN 6E 802.11ax(160M) U-NII-5 WLAN 6E 802.11ax(160M)	Tx2 Tx2	Top Edge	(mm) 2 2	15	(MHz) 6025 6185	Power + Max. Tolerance (dBm) 14.50	Avg. Power (dBm) 14.33	Scaling 103.99% 102.09%	1.00 1.00	1.55 1.55	Total psPD (W/m^2) 2.200 2.550	Reported Total psPD (W/m^2) 3.546 4.035	Measured Normal psPD (W/m^2) 1.730 2.530	Normal psPD (W/m^2) 2.789 4.004	048
WLAN 6E 802.11ax(160M) U-NIL-5 WLAN 6E 802.11ax(160M) U-NIL-6	Tx2 Tx2 Tx2	Top Edge Top Edge Top Edge	(mm) 2 2 2	15 47 111	(MHz) 6025 6185 6505	Power + Max. Tolerance (dBm) 14.50 15.00	Avg. Power (dBm) 14.33 14.41 14.91	Scaling 103.99% 102.09% 102.09%	1.00 1.00 1.00	1.55 1.55 1.55	Total psPD (W/m^2) 2.200 2.550 2.340	Reported Total psPD (W/m^2) 3.546 4.035 3.703	Measured Normal psPD (W/m^2) 1.730 2.530 2.160	Normal psPD (W/m^2) 2.789 4.004 3.418	048 049 050

Vendor 2

Veriuoi Z															
					_	Max. Rated Avg.	Measured					PD resi	ult(4cm)		
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	ID
WLAN 6E 802.11ax(160M)	Tx1	Top Edge	2	47	6185	14.50	14.49	100.23%	1.00	1.55	1.230	1.911	1.060	1.647	095
U-NII-5	Tx1	Top Edge	2	79	6345	14.50	14.48	100.46%	1.00	1.55	1.900	2.959	1.490	2.320	096
WLAN 6E 802.11ax(160M) U-NII-6	Tx1	Top Edge	2	111	6505	15.00	14.85	103.51%	1.00	1.55	2.440	3.915	1.970	3.161	097
WLAN 6E 802.11ax(160M) U-NII-7	Tx1	Top Edge	2	175	6825	15.00	14.99	100.23%	1.00	1.55	0.927	1.440	0.731	1.136	098
WLAN 6E 802.11ax(160M) U-NII-8	Tx1	Top Edge	2	183	6865	13.00	12.99	100.23%	1.00	1.55	0.740	1.150	0.660	1.025	099
					_	Max. Rated Avg.	Measured	_				PD resi	ult(4cm)		
Mode	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Tune-up Scaling	Duty cycle scaling	Measurement uncertainty	Measured Total psPD (W/m^2)	Reported Total psPD (W/m^2)	Measured Normal psPD (W/m^2)	Reported Normal psPD (W/m^2)	ID
WLAN 6E 802.11ax(160M)	Tx2	Top Edge	2	15	6025	14.50	14.33	103.99%	1.00	1.55	1.980	3.192	1.640	2.643	100
U-NII-5	Tx2	Top Edge	2	47	6185	14.50	14.41	102.09%	1.00	1.55	2.420	3.830	2.080	3.292	101
WLAN 6E 802.11ax(160M) U-NII-6	Tx2	Top Edge	2	111	6505	15.00	14.91	102.09%	1.00	1.55	1.880	2.975	1.460	2.310	102
WLAN 6E 802.11ax(160M) U-NII-7	Tx2	Top Edge	2	175	6825	15.00	14.91	102.09%	1.00	1.55	3.420	5.412	2.800	4.431	103
WLAN 6E 802.11ax(160M) U-NII-8	Tx2	Top Edge	2	199	6945	13.00	12.99	100.23%	1.00	1.55	1.210	1.880	1.080	1.678	104

Note:

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

8.4 Reporting statements of conformity

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

8.5 Conclusion

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

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SIMULTANEOUS TRANSMISSION ANALYSIS

9.1 **Simultaneous Transmission Scenarios:**

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

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9.2 Estimated SAR calculation

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

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

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

9.3 SPLSR evaluation and analysis

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

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

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

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

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

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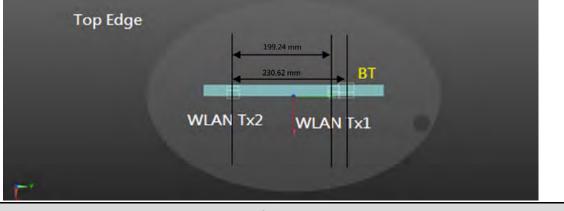


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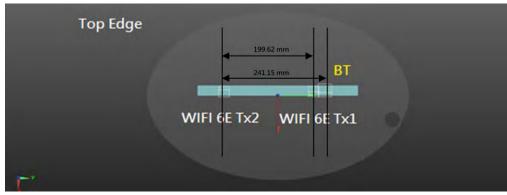
Simultaneous Transmission Combination Vendor 1

				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
	- 1	2	3	4	5	6	7	1+2	3+4	3+4+5	6+7	5+6+7	1+4	2+3	1+7	2+6	3+7	4+6	3+5+7	4+5+6
Exposure Position	2.4GHz WLAN Tx1	2.4GHz WLAN Tx2	5GHz WLAN Tx1	5GHz WLAN Tx2	Bluetooth Tx1	6GHz WLAN Tx1	6GHz WLAN Tx2	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
Exposure r cascor	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)												
Back Surface 0	0.275	0.128	0.411	0.413	0.025	0.275	0.332	0.403	0.824	0.849	0.607	0.632	0.688	0.539	0.607	0.403	0.743	0.688	0.768	0.713
Top Edge 0	0.361	0.329	1.148	1.179	0.042	0.862	1.105	0.690	2.327	2.369	1.967	2.009	1.540	1.477	1.466	1.191	2.253	2.041	2.295	2.083
Right Edge 0	0.059	0.000	0.173	0.000	0.017	0.114	0.000	0.059	0.173	0.190	0.114	0.131	0.059	0.173	0.059	0.114	0.173	0.114	0.190	0.131
Left Edge 0	0.000	0.053	0.000	0.087	0.000	0.000	0.166	0.053	0.087	0.087	0.166	0.166	0.087	0.053	0.166	0.053	0.166	0.087	0.166	0.087

				Scenari	o 1:				
Position	Conditions	SAR Value	Co	oordinates (d	cm)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
FOSILIOIT	Conditions	(W/kg)	х	у	z	(W/kg)	Separation Distance (mm)	SFLSK	Test
	WLAN 5G Tx2	1.179	-1.12	-12.08	-0.09	-	-	-	-
Top Edge	WLAN 5G Tx1	1.148	-0.74	7.84	-0.14	2.327	199.24	0.018	SPLSR ≤ 0.04, Not required
	WLAN 5G Tx1 +BT Tx1	1.190	-0.74	7.84	-0.14	2.369	199.24	0.018	SPLSR ≤ 0.04, Not required



				Scenar	10 2				
Position	Conditions	SAR Value	Co	oordinates (c	em)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
Position	Conditions	(W/kg)	х	у	Z	(W/kg)	Separation Distance (mm)	SFLSK	Test
	WIFI 6E Tx2	1.105	0.28	-11.71	-1.77	-	-	-	-
Top Edge	WIFI 6E Tx1	0.862	0.55	8.25	-1.77	1.967	199.62	0.014	SPLSR ≤ 0.04, Not required
	WIFI 6E Tx1 +BT Tx1	0.904	0.55	8.25	-1.77	2.009	199.62	0.014	SPLSR ≤ 0.04, Not required
									·



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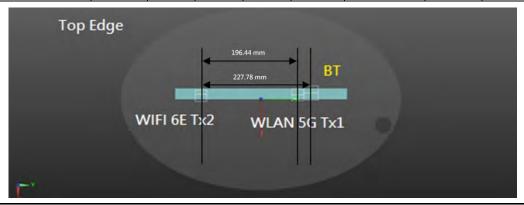
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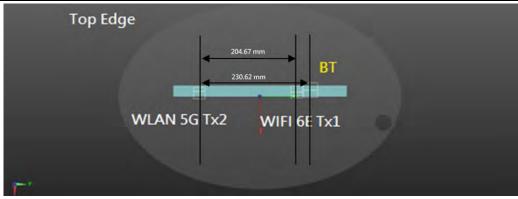


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				Scenar	io 3				
Position	Conditions	SAR Value	Co	oordinates (c	cm)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
Position	Conditions	(W/kg)	х	у	z	(W/kg)	Separation Distance (mm)	SPLSK	Test
	WIFI 6E Tx2	1.105	0.28	-11.71	-1.77	-	-	-	-
Top Edge	WLAN 5G Tx1	1.148	-0.74	7.84	-0.14	2.253	196.44	0.017	SPLSR ≤ 0.04, Not required
	WLAN 5G Tx1 + BT Tx1	1.190	-0.80	10.98	-0.09	2.295	227.78	0.015	SPLSR ≤ 0.04, Not required



				Scenar	io 4				
Position	Conditions	SAR Value	Co	oordinates (c	cm)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
Position	Conditions	(W/kg)	х	у	z	(W/kg)	Separation Distance (mm)	SPLSK	Test
	WLAN 5G Tx2	1.179	-1.12	-12.08	-0.09	-	-	-	-
Top Edge	WIFI 6E Tx1	0.862	0.55	8.25	-1.77	2.041	204.67	0.014	SPLSR ≤ 0.04, Not required
	WIFI 6E Tx1 + BT Tx1	0.904	-0.80	10.98	-0.09	2.083	230.62	0.013	SPLSR ≤ 0.04, Not required



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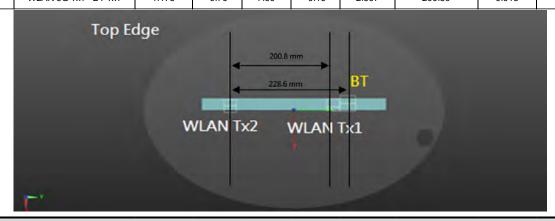


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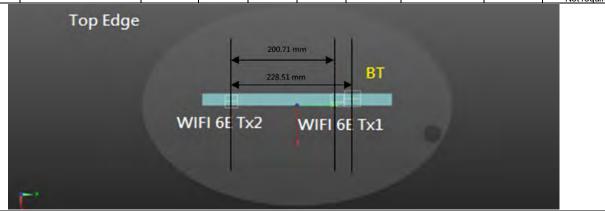
Vendor 2

				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
	- 1	2	3	4	5	6	7	1+2	3+4	3+4+5	6+7	5+6+7	1+4	2+3	1+7	2+6	3+7	4+6	3+5+7	4+5+6
Exposure Position	2.4GHz WLAN Tx1	2.4GHz WLAN Tx2	5GHz WLAN Tx1	5GHz WLAN Tx2	Bluetooth Tx1	6GHz WLAN Tx1	6GHz WLAN Tx2	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
Exposure I cassori	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)												
Back Surface 0	0.194	0.137	0.298	0.219	0.014	0.287	0.339	0.331	0.517	0.531	0.626	0.640	0.413	0.435	0.533	0.424	0.637	0.506	0.651	0.520
Top Edge 0	0.401	0.347	1.158	1.189	0.020	1.022	0.962	0.748	2.347	2.367	1.984	2.004	1.590	1.505	1.363	1.369	2.120	2.211	2.140	2.231
Right Edge 0	0.112	0.000	0.159	0.000	0.005	0.166	0.000	0.112	0.159	0.164	0.166	0.171	0.112	0.159	0.112	0.166	0.159	0.166	0.164	0.171
Left Edge 0	0.000	0.074	0.000	0.066	0.000	0.000	0.239	0.074	0.066	0.066	0.239	0.239	0.066	0.074	0.239	0.074	0.239	0.066	0.239	0.066

				Scen	ario 1:				
Position	Conditions	SAR Value	Co	oordinates (d	cm)	ΣSAR	Peak Location	on Test	
1 Osition	Conditions	(W/kg)	х	у	z	(W/kg)	Separation Distance (mm)	OI LOIK	
	WLAN 5G Tx2	1.189	-0.88	-12.48	-0.15	-	-	-	-
Top Edge	WLAN 5G Tx1	1.158	-0.76	7.60	-0.13	2.347	200.80	0.018	,
	WLAN 5G Tx1 +BT Tx1	1.178	-0.76	7.60	-0.13	2.367	200.80	0.018	SPLSR ≤ 0.04, Not required



				Scena	ario 2:				
Position	Conditions	SAR Value	Co	oordinates (c	m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
1 OSIGOTI	Conditions	(W/kg)	х	у	Z	(W/kg)	Separation Distance (mm)	OI LOIK	Test
	WIFI 6E Tx2	0.962	-0.82	-12.17	-1.77	-	-	-	-
Top Edge	WIFI 6E Tx1	1.022	-0.58	7.90	-1.77	1.984	200.71	0.014	SPLSR ≤ 0.04, Not required
	WIFI 6E Tx1 +BT Tx1	1.042	-0.58	7.90	-1.77	2.004	200.71	0.014	SPLSR ≤ 0.04, Not required

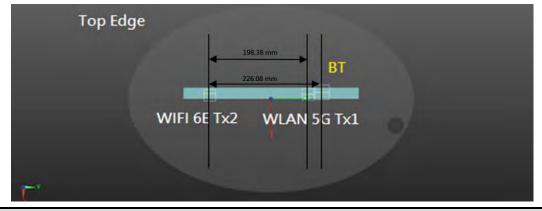


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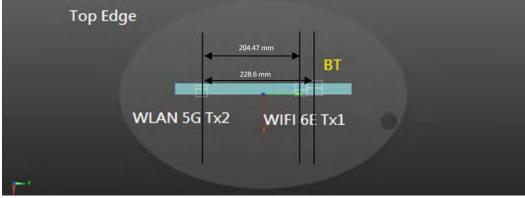


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				Scen	ario 3						
Position	Conditions	SAR Value	Coordinates (cm)		ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR			
Position	Conditions	(W/kg)	х	у	Z	(W/kg)	Separation Distance (mm)	SFLSIX	Test		
	WIFI 6E Tx2	0.962	-0.82	-12.17	-1.77	-	-	-	-		
Top Edge	WLAN 5G Tx1	1.158	-0.76	7.60	-0.13	2.120	198.38	0.016	SPLSR ≤ 0.04, Not required		
	WLAN 5G Tx1 + BT Tx1	1.178	-0.76	7.60	-0.13	2.140	198.38	0.016	SPLSR ≤ 0.04, Not required		



				Scen	ario 4				
Position	Conditions	SAR Value	Coordinates		dinates (cm)		Peak Location	SPLSR	Simultaneous Transmission SAR
1 0310011	Conditions	(W/kg)	х	у	Z	(W/kg)) Separation Distance (mm)	OI LOIK	Test
	WLAN 5G Tx2	1.189	-0.88	-12.48	-0.15	-	-	-	-
Top Edge	WIFI 6E Tx1	1.022	-0.58	7.90	-1.77	2.211	204.47	0.016	SPLSR ≤ 0.04, Not required
	WIFI 6E Tx1 + BT Tx1	1.042	-0.58	7.90	-1.77	2.231	204.47	0.016	SPLSR ≤ 0.04, Not required



9.4 Conclusion

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

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10 INSTRUMENTS LIST

		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	7466	Jan/26/2022	Jan/25/2023
SPEAG	E-field Probe for Near Field Application	EUmmWV4	9635	Jun/14/2022	Jun/13/2023
SPEAG	System Validation Dipole	D2450V2	727	Apr/25/2022	Apr/24/2023
SPEAG	System Validation Dipole	D5GHzV2	1023	Jan/27/2022	Jan/26/2023
SPEAG	System Validation Dipole	D6.5GHzV2	1006	Aug/23/2022	Aug/22/2023
SPEAG	System Validation Dipole	D7GHzV2	1007	Aug/24/2022	Aug/23/2023
SPEAG	5G Verification Source 10GHz	5G-Veri10	1021	Jan/24/2022	Jan/23/2023
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/28/2022	Feb/27/2023
Agilent	MXG Analog Signal Generator	N5181A	MY50144143	May/19/2022	May/18/2023
Agilent	Dual-directional coupler	772D	MY52180142	Oct/19/2022	Oct/18/2023
Agilent	Dual-directional coupler	778D	MY52180302	Oct/19/2022	Oct/18/2023
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
R&S	Power Sensor	NRP18S	101358	Jan/22/2022	Jan/21/2023
R&S	Power Meter	NRX	102034	Dec/28/2021	Dec/27/2022
R&S	Power Sensor	NRP18S	101974	Oct/18/2022	Oct/17/2023
SPEAG	Software	DASY 6 V16.0.2.136	N/A	Calibration not required	Calibration not required
SPEAG	Software	DASY 52 V52.10.4.152 7	N/A	Calibration not required	Calibration not required
SPEAG	Software	DASY 6 mmWave V2.4.2.62	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	mmWave Phantom	N/A	Calibration not required	Calibration not required
TECPEL	Digital thermometer	DTM-303A	TP131515	Sep/29/2022	Sep/28/2023

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11 UNCERTAINTY BUDGET

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

А	С	D	е		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	00
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	80
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	80
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
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%	00
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Readout Electronics	0.30%	Ν	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 shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	8
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	80
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	00
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	00
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	8
Liquid permittivity (mea.)	3.01%	N	1	1	0.64	0.43	1.93%	1.29%	М
Liquid Conductivity (mea.)	2.33%	N	1	1	0.6	0.49	1.40%	1.14%	М
Combined standard uncertainty		RSS					11.96%	11.83%	
Expant uncertainty (95% confidence interval), K=2							23.91%	23.67%	

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

A	С	D	е		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	8
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	8
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
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%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	8
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	8
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	0.55%	N	1	1	0.64	0.43	0.35%	0.24%	М
Liquid Conductivity (mea.)	2.39%	N	1	1	0.6	0.49	1.43%	1.17%	М
Combined standard uncertainty		RSS					11.51%	11.47%	
Expant uncertainty (95% confidence interval), K=2							23.03%	22.94%	

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

	(1.100	quency	bulla.	00112		// / / / u	iige <i>)</i>	
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								
Conductivity (meas.)DAK	2.5	N	1	1	0.78	0.71	2.0	1.8
Conductivity (temp.)BB	2.4	R	√3	1.732	0.78	0.71	1.1	1.0
Phantom Permittivity	14.0	R	√3	1.732	0.5	0.5	4.0	4.0
Distance DUT - TSL	2.0	N	1	1	2	2	4.0	4.0
Device Positioning (±0.5mm)	1.0	N	1	1	1	1	1.0	1.0
Device Holder	3.6	N	1	1	1	1	3.6	3.6
DUT Modulationm	2.4	R	√3	1.732	1	1	1.4	1.4
Time-average SAR	0.0	R	√3	1.732	1	1	0.0	0.0
DUT drift	2.5	N	1	1	1	1	2.5	2.5
Val Antenna Unc.	0.0	N	1	1	1	1	0.0	0.0
Unc. Input Power	0.0	N	1	1	1	1	0.0	0.0
Correction to the SAR results				'				
Deviation to Target	1.90	N	1	1	1	0.84	1.9	1.6
SAR scaling		R	√3	1.732	1	1	0.0	0.0
Combined Std. uncertainty							14.0	13.9
Expanded Std. uncertainty (95% confidence interval), K=2							28.0	27.8
connucince interval), N=2			<u> </u>			L	Į.	Į.

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

a	b	С	d		е	f=b * e / d	g
Source of Uncertainty	Uncertainty Value (+-dB)	Probability Distribution	Div.	Div. Value	ci	Std. uncertainty (+-dB)	(vi) Veff
Uncertainty terms dependent on the	e measurement	system					
Probe calibration	0.49	N	1	1	1	0.49	œ
Probe correction	0.00	R	√3	1.732	1	0.00	00
Frequency response (BW ≦1GHz)	0.20	R	√3	1.732	1	0.12	œ
Sensor cross coupling	0.00	R	√3	1.732	1	0.00	œ
Isotropy	0.50	R	√3	1.732	1	0.29	œ
Linearity	0.20	R	√3	1.732	1	0.12	∞
Probe scattering	0.00	R	√3	1.732	1	0.00	œ
Probe positioning offset	0.30	R	√3	1.732	1	0.17	œ
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	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	00
Measurement area truncation	0.00	R	√3	1.732	1	0.00	00
Data acquisition	0.03	N	1	1	1	0.03	00
Sampling	0.00	R	√3	1	1	0.00	œ
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	-	œ
Spatial averaging	0.10	R	√3	1.732	1	0.06	œ
System detection limit	0.04	R	√3	1.732	1	0.02	œ
Uncertainty terms dependent on the	DUT and envir	onmental facto	ors				
Probe coupling with DUT	0.00	R	√3	1.732	1	0.00	œ
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	00
Device holder influence	0.10	R	√3	1.732	1	0.06	œ
DUT alignment	0.00	R	√3	1.732	1	0.00	œ
RF ambient conditions	0.04	R	√3	1.732	1	0.02	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	00
Drift of the DUT	-	R	√3	1.732	1	-	00
Combined Std. uncertainty						1.33	
Expanded Std. uncertainty (95%						2.67	

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12 SAR MEASUREMENT RESULTS

Date: 2022/11/25

ID: 001

Report No.: TESA2210000419EN

WLAN 802.11b Body Top Edge CH 6 0mm Tx1

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.017 Medium parameters used: f = 2437 MHz; $\sigma = 1.829$ S/m; $\varepsilon_r = 39.218$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2437 MHz; Calibrated: 2022/1/26

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 (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.611 W/kg

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

Reference Value = 3.434 V/m; Power Drift = 0.04 dB

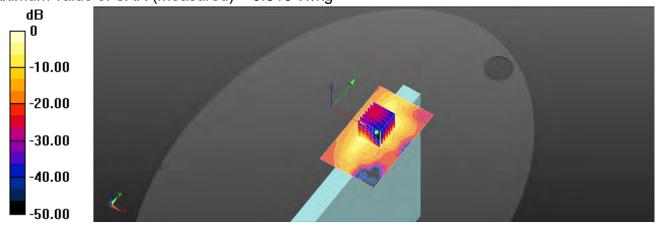
Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 q) = 0.354 W/kq; SAR(10 q) = 0.155 W/kq

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

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

Maximum value of SAR (measured) = 0.516 W/kg



0 dB = 0.611 W/kg = -2.14 dBW/kg

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Date: 2022/11/25

ID: 002

Report No.: TESA2210000419EN

Bluetooth(GFSK)_Body_Top Edge_CH 39_0mm_Tx1

Communication System: Bluetooh; Frequency: 2441 MHz; Duty cycle= 1:1.342

Medium parameters used: f = 2441 MHz; σ = 1.833 S/m; $ε_r$ = 39.204; ρ = 1000 kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2441 MHz; Calibrated: 2022/1/26

• 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 (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.106 W/kg

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

Reference Value = 5.236 V/m; Power Drift = 0.02 dB

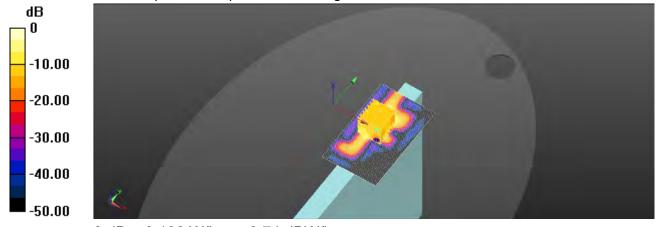
Peak SAR (extrapolated) = 0.0700 W/kg

SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.013 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 37.8%

Maximum value of SAR (measured) = 0.0472 W/kg



0 dB = 0.106 W/kg = -9.74 dBW/kg

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Date: 2022/11/26

ID: 003

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.2G_Body_Top Edge_CH 46_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5230 MHz; σ = 4.682 S/m; ε_r = 35.524; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5230 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 1.06 W/kg

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

Reference Value = 3.963 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.146 W/kg

Smallest distance from peaks to all points 3 dB below = 4.5 mm

Ratio of SAR at M2 to SAR at M1 = 62.1%

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

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

Reference Value = 3.963 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.44 W/kg

SAR(1 q) = 0.360 W/kq; SAR(10 q) = 0.108 W/kq

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

Ratio of SAR at M2 to SAR at M1 = 58.1%

Maximum value of SAR (measured) = 0.846 W/kg

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

Reference Value = 3.963 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.134 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58.3%

Maximum value of SAR (measured) = 0.831 W/kg

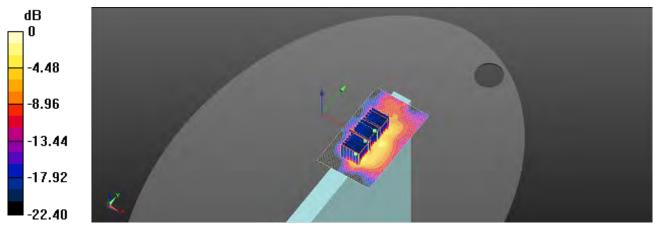
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0 dB = 0.831 W/kg = -0.80 dBW/kg

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Date: 2022/11/26

ID: 004

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.3G_Body_Top Edge_CH 54_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5270 MHz; $\sigma = 4.742 \text{ S/m}$; $\epsilon_r = 35.446$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5270 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 0.872 W/kg

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

Reference Value = 3.961 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.102 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.5%

Maximum value of SAR (measured) = 0.837 W/kg

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

Reference Value = 3.961 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 q) = 0.417 W/kq; SAR(10 q) = 0.115 W/kq

Smallest distance from peaks to all points 3 dB below = 4.2 mm

Ratio of SAR at M2 to SAR at M1 = 59.2%

Maximum value of SAR (measured) = 0.908 W/kg

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

Reference Value = 3.961 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.101 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.4%

Maximum value of SAR (measured) = 0.633 W/kg

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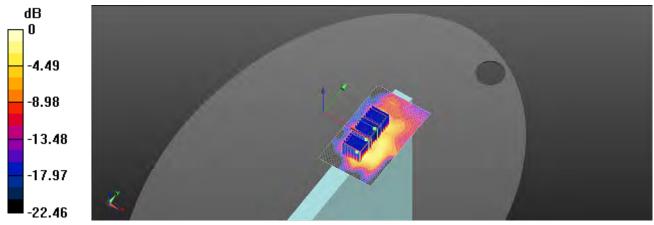
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0 dB = 0.633 W/kg = -1.99 dBW/kg

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Date: 2022/11/27

ID: 005

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.6G_Body_Top Edge_CH 138_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5690 MHz; $\sigma = 5.237$ S/m; $\epsilon_r = 34.459$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5690 MHz; Calibrated: 2022/1/26

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

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

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

Reference Value = 5.261 V/m; Power Drift = 0.07 dB

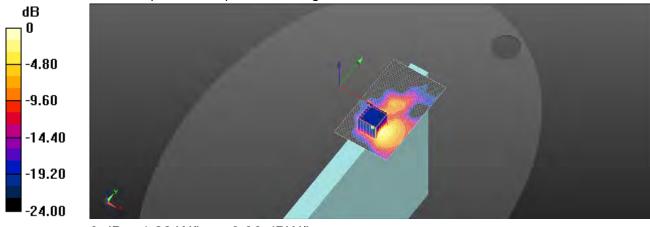
Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.136 W/kg

Smallest distance from peaks to all points 3 dB below = 5.3 mm

Ratio of SAR at M2 to SAR at M1 = 50.8%

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



0 dB = 1.22 W/kg = 0.86 dBW/kg

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Date: 2022/11/27

ID: 006

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.8G_Body_Top Edge_CH 155_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5775 MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 34.313$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5775 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 1.57 W/kg

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

Reference Value = 4.672 V/m; Power Drift = 0.02 dB

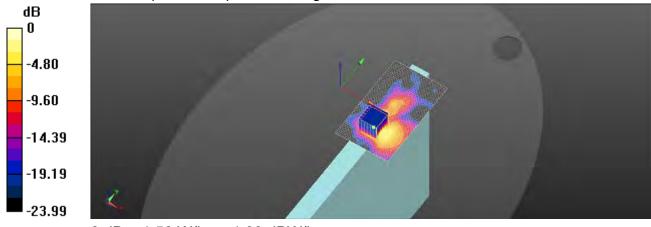
Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.164 W/kg

Smallest distance from peaks to all points 3 dB below = 4.2 mm

Ratio of SAR at M2 to SAR at M1 = 56.5%

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg = 1.93 dBW/kg

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Date: 2022/11/27

ID: 007

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.9G_Body_Top Edge_CH 171_0mm_Tx1_FCC

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5855 MHz; σ = 5.435 S/m; ε_r = 34.185; ρ = 1000 kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5855 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 2.26 W/kg

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

Reference Value = 4.385 V/m; Power Drift = 0.04 dB

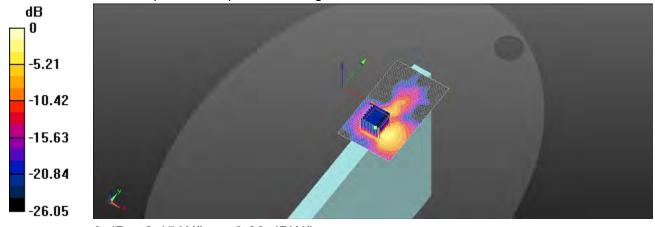
Peak SAR (extrapolated) = 6.08 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.279 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58%

Maximum value of SAR (measured) = 2.45 W/kg



0 dB = 2.45 W/kg = 3.89 dBW/kg

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Date: 2022/11/25

ID: 008

Report No.: TESA2210000419EN

WLAN 802.11b_Body_Top Edge_CH 1_0mm_Tx2

Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.017 Medium parameters used: f = 2412 MHz; $\sigma = 1.8 \text{ S/m}$; $\varepsilon_r = 39.324$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2412 MHz; Calibrated: 2022/1/26

• 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 (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.539 W/kg

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

Reference Value = 2.334 V/m; Power Drift = 0.02 dB

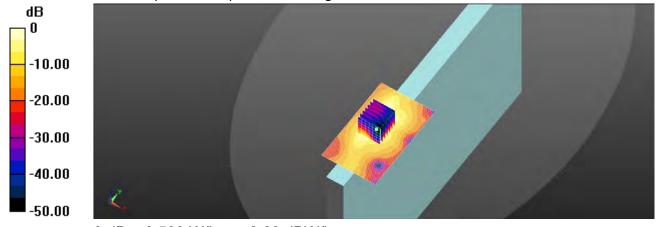
Peak SAR (extrapolated) = 0.785 W/kg

SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.146 W/kg

Smallest distance from peaks to all points 3 dB below = 5.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.4%

Maximum value of SAR (measured) = 0.459 W/kg



0 dB = 0.539 W/kg = -2.69 dBW/kg

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Date: 2022/11/26

ID: 009

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.2G_Body_Top Edge_CH 46_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5230 MHz; σ = 4.682 S/m; ε_r = 35.524; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5230 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 0.988 W/kg

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

Reference Value = 4.694 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.140 W/kg

Smallest distance from peaks to all points 3 dB below = 4.6 mm

Ratio of SAR at M2 to SAR at M1 = 60.2%

Maximum value of SAR (measured) = 0.936 W/kg

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

Reference Value = 4.694 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 q) = 0.474 W/kq; SAR(10 q) = 0.161 W/kq

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

Ratio of SAR at M2 to SAR at M1 = 60.9%

Maximum value of SAR (measured) = 0.939 W/kg

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

Reference Value = 4.694 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.104 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.8%

Maximum value of SAR (measured) = 0.654 W/kg

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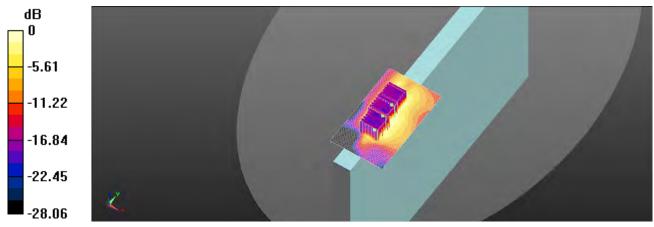
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0 dB = 0.654 W/kg = -1.84 dBW/kg

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Date: 2022/11/26

ID: 010

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.3G_Body_Top Edge_CH 62_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5310 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5310 MHz; $\sigma = 4.788 \text{ S/m}$; $\varepsilon_r = 35.29$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5310 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 0.965 W/kg

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

Reference Value = 4.843 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.130 W/kg

Smallest distance from peaks to all points 3 dB below = 4.2 mm

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

Maximum value of SAR (measured) = 0.921 W/kg

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

Reference Value = 4.843 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 q) = 0.365 W/kq; SAR(10 q) = 0.128 W/kq

Smallest distance from peaks to all points 3 dB below = 4.5 mm

Ratio of SAR at M2 to SAR at M1 = 62.3%

Maximum value of SAR (measured) = 0.882 W/kg

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

Reference Value = 4.843 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.128 W/kg

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

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

Maximum value of SAR (measured) = 0.800 W/kg

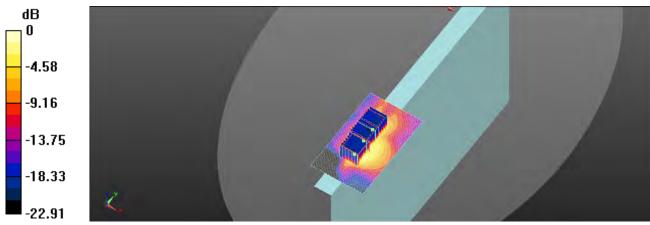
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0 dB = 0.800 W/kg = -0.97 dBW/kg

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Date: 2022/11/27

ID: 011

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.6G_Body_Top Edge_CH 138_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5690 MHz; $\sigma = 5.237 \text{ S/m}$; $\epsilon_r = 34.459$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5690 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 1.95 W/kg

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

Reference Value = 5.274 V/m; Power Drift = 0.05 dB

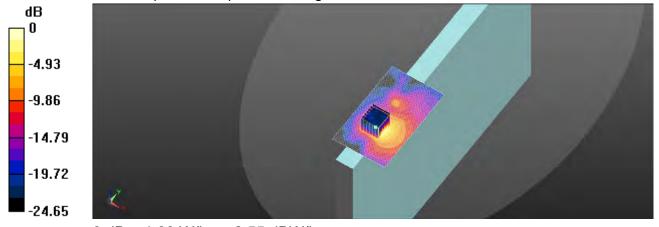
Peak SAR (extrapolated) = 4.41 W/kg

SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.215 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 60.7%

Maximum value of SAR (measured) = 1.80 W/kg



0 dB = 1.80 W/kg = 2.55 dBW/kg

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Date: 2022/11/27

ID: 012

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.8G_Body_Top Edge_CH 155_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5775 MHz; $\sigma = 5.34$ S/m; $\epsilon_r = 34.313$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5775 MHz; Calibrated: 2022/1/26

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

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

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

Reference Value = 4.115 V/m; Power Drift = 0.02 dB

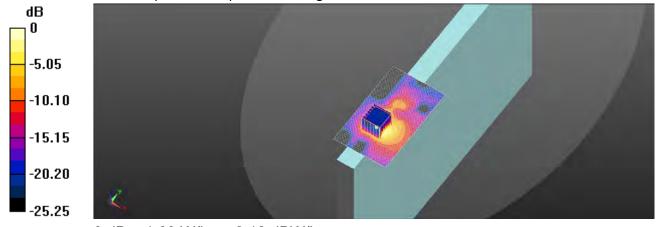
Peak SAR (extrapolated) = 3.98 W/kg

SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.195 W/kg

Smallest distance from peaks to all points 3 dB below = 4.6 mm

Ratio of SAR at M2 to SAR at M1 = 60.8%

Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

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Date: 2022/11/27

ID: 013

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.9G_Body_Top Edge_CH 171_0mm_Tx2_FCC

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5855 MHz; $\sigma = 5.435$ S/m; $\epsilon_r = 34.185$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5855 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 3.05 W/kg

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

Reference Value = 4.064 V/m; Power Drift = 0.11 dB

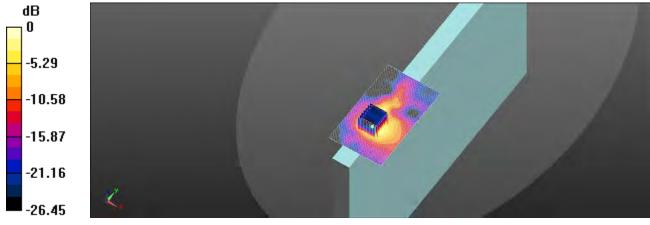
Peak SAR (extrapolated) = 5.80 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.369 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.2%

Maximum value of SAR (measured) = 2.93 W/kg



0 dB = 2.93 W/kg = 4.67 dBW/kg

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Date: 2022/11/25

ID: 014

Report No.: TESA2210000419EN

WLAN 802.11b_Body_Book Mode_Right Edge_CH 6_0mm_Tx1

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.017 Medium parameters used: f = 2437 MHz; $\sigma = 1.829 \text{ S/m}$; $\epsilon_r = 39.218$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2437 MHz; Calibrated: 2022/1/26

• 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 (51x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.0901 W/kg

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

Reference Value = 3.569 V/m; Power Drift = -0.11 dB

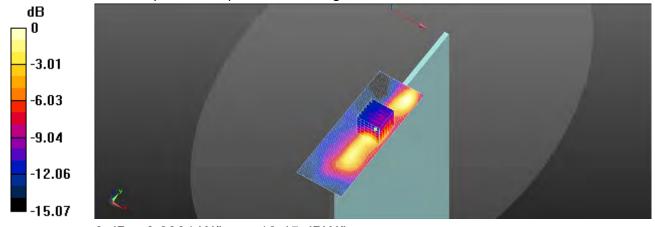
Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.031 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 53.2%

Maximum value of SAR (measured) = 0.0922 W/kg



0 dB = 0.0901 W/kg = -10.45 dBW/kg

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Date: 2022/11/25

ID: 015

Report No.: TESA2210000419EN

Bluetooth(GFSK)_Body_Book Mode_Right Edge CH 39 0mm Tx1

Communication System: Bluetooh; Frequency: 2441 MHz; Duty cycle= 1:1.342

Medium parameters used: f = 2441 MHz; $\sigma = 1.833$ S/m; $\epsilon_r = 39.204$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2441 MHz; Calibrated: 2022/1/26

• 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 (61x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.0131 W/kg

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

Reference Value = 2.425 V/m; Power Drift = 0.04 dB

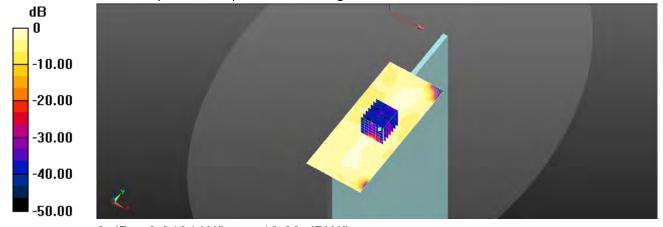
Peak SAR (extrapolated) = 0.0540 W/kg

SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00568 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 59.2%

Maximum value of SAR (measured) = 0.0160 W/kg



0 dB = 0.0131 W/kg = -18.83 dBW/kg

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Date: 2022/11/26

ID: 016

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.2G_Body_Book Mode_Right Edge_CH 46_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5230 MHz; σ = 4.682 S/m; ε_r = 35.524; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5230 MHz; Calibrated: 2022/1/26

• 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 (61x161x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.371 W/kg

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

Reference Value = 3.119 V/m; Power Drift = 0.08 dB

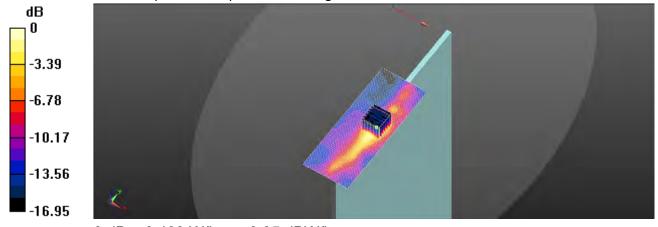
Peak SAR (extrapolated) = 0.725 W/kg

SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.083 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 60.2%

Maximum value of SAR (measured) = 0.403 W/kg



0 dB = 0.403 W/kg = -3.95 dBW/kg

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Date: 2022/11/26

ID: 017

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.3G_Body_Book Mode_Right Edge_CH 54_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5270 MHz; $\sigma = 4.742 \text{ S/m}$; $\epsilon_r = 35.446$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5270 MHz; Calibrated: 2022/1/26

• 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 (61x161x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.317 W/kg

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

Reference Value = 3.099 V/m; Power Drift = -0.10 dB

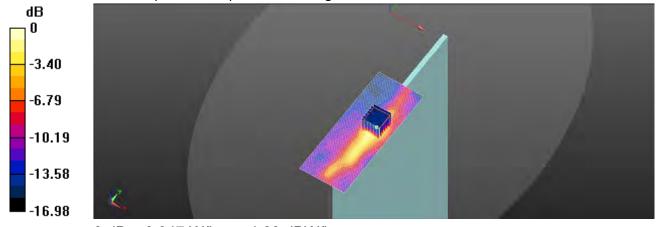
Peak SAR (extrapolated) = 0.634 W/kg

SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.070 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.5%

Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.347 W/kg = -4.60 dBW/kg

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Date: 2022/11/27

ID: 018

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.6G_Body_Book Mode_Right Edge_CH 138_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5690 MHz; $\sigma = 5.237$ S/m; $\epsilon_r = 34.459$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5690 MHz; Calibrated: 2022/1/26

• 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 (61x161x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.161 W/kg

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

Reference Value = 3.309 V/m; Power Drift = -0.05 dB

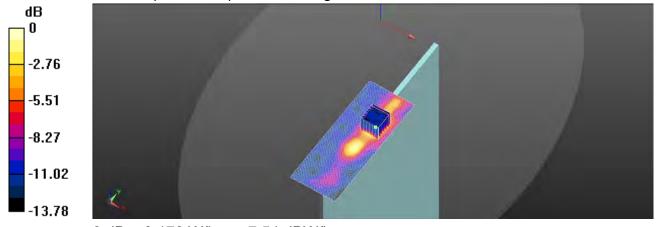
Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.039 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.2%

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg = -7.54 dBW/kg

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Date: 2022/11/27

ID: 019

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.8G_Body_Book Mode_Right Edge_CH 155_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5775 MHz; $\sigma = 5.34 \text{ S/m}$; $\epsilon_r = 34.313$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5775 MHz; Calibrated: 2022/1/26

• 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 (61x161x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.263 W/kg

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

Reference Value = 3.662 V/m; Power Drift = -0.04 dB

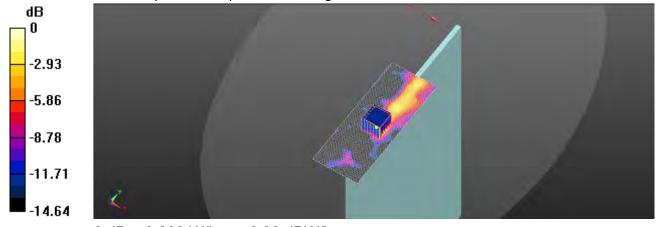
Peak SAR (extrapolated) = 0.513 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.042 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.9%

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg = -6.38 dBW/kg

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Date: 2022/11/27

ID: 020

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.9G_Body_Book Mode_Right Edge_CH 171_0mm_Tx1_FCC

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5855 MHz; σ = 5.435 S/m; ε_r = 34.185; ρ = 1000 kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5855 MHz; Calibrated: 2022/1/26

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 (61x131x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.317 W/kg

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

Reference Value = 3.556 V/m; Power Drift = -0.02 dB

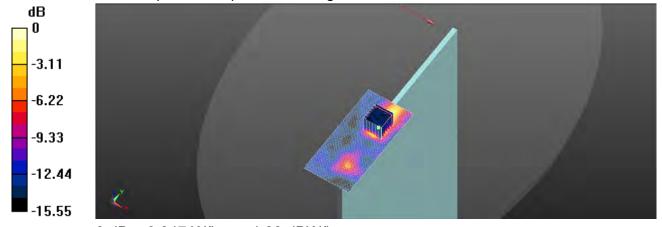
Peak SAR (extrapolated) = 0.804 W/kg

SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.064 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.9%

Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.347 W/kg = -4.60 dBW/kg

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Date: 2022/11/25

ID: 021

Report No.: TESA2210000419EN

WLAN 802.11b_Body_Book Mode_Left Edge_CH 1_0mm_Tx2

Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.017 Medium parameters used: f = 2412 MHz; $\sigma = 1.8$ S/m; $\epsilon_r = 39.324$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2412 MHz; Calibrated: 2022/1/26

• 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 (51x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.0232 W/kg

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

Reference Value = 2.584 V/m; Power Drift = -0.04 dB

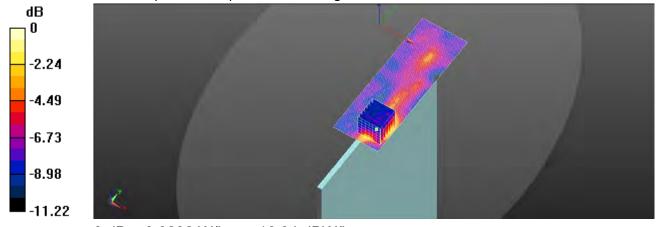
Peak SAR (extrapolated) = 0.0300 W/kg

SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00992 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 61.4%

Maximum value of SAR (measured) = 0.0227 W/kg



0 dB = 0.0232 W/kg = -16.34 dBW/kg

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Date: 2022/11/26

ID: 022

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.2G_Body_Book Mode_Left Edge_CH 46_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5230 MHz; $\sigma = 4.682$ S/m; $\epsilon_r = 35.524$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5230 MHz; Calibrated: 2022/1/26

• 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 (61x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.146 W/kg

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

Reference Value = 2.994 V/m; Power Drift = -0.02 dB

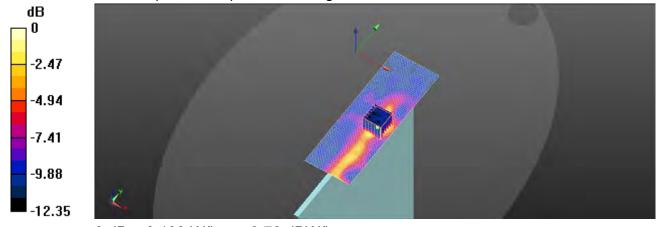
Peak SAR (extrapolated) = 0.223 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.034 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 68.4%

Maximum value of SAR (measured) = 0.133 W/kg



0 dB = 0.133 W/kg = -8.76 dBW/kg

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Date: 2022/11/26

ID: 023

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.3G_Body_Book Mode_Left Edge_CH 62_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5310 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5310 MHz; $\sigma = 4.788 \text{ S/m}$; $\varepsilon_r = 35.29$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5310 MHz; Calibrated: 2022/1/26

• 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 (61x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.100 W/kg

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

Reference Value = 2.964 V/m; Power Drift = 0.06 dB

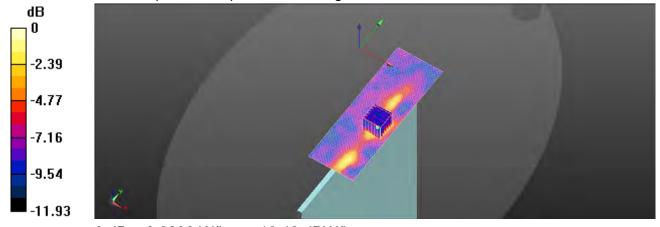
Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.026 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 66.1%

Maximum value of SAR (measured) = 0.0893 W/kg



0 dB = 0.0893 W/kg = -10.49 dBW/kg

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Date: 2022/11/27

ID: 024

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.6G_Body_Book Mode_Left Edge_CH 138_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5690 MHz; $\sigma = 5.237 \text{ S/m}$; $\epsilon_r = 34.459$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5690 MHz; Calibrated: 2022/1/26

• 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 (61x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.134 W/kg

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

Reference Value = 3.884 V/m; Power Drift = -0.06 dB

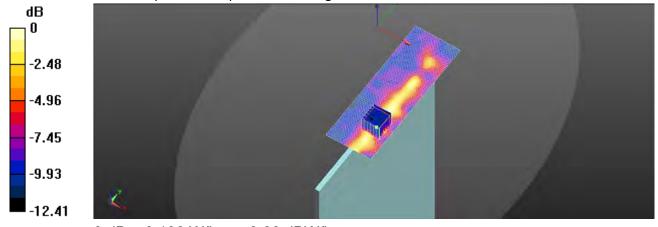
Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.030 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 62.2%

Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg = -8.66 dBW/kg

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Date: 2022/11/27

ID: 025

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.8G_Body_Book Mode_Left Edge_CH 155_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5775 MHz; $\sigma = 5.34 \text{ S/m}$; $\epsilon_r = 34.313$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5775 MHz; Calibrated: 2022/1/26

• 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 (61x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.164 W/kg

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

Reference Value = 4.303 V/m; Power Drift = -0.04 dB

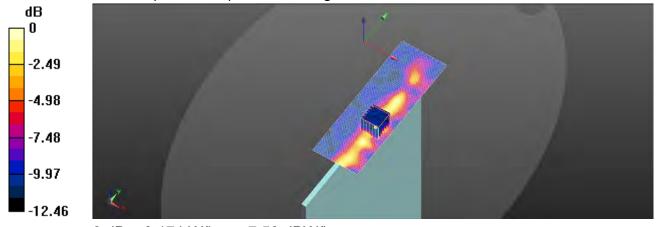
Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.039 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 57.2%

Maximum value of SAR (measured) = 0.174 W/kg



0 dB = 0.174 W/kg = -7.59 dBW/kg

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Date: 2022/11/27

ID: 026

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.9G_Body_Book Mode_Left Edge_CH 171_0mm_Tx2_FCC

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5855 MHz; σ = 5.435 S/m; ε_r = 34.185; ρ = 1000 kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5855 MHz; Calibrated: 2022/1/26

• 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 (61x191x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.235 W/kg

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

Reference Value = 6.062 V/m; Power Drift = -0.07 dB

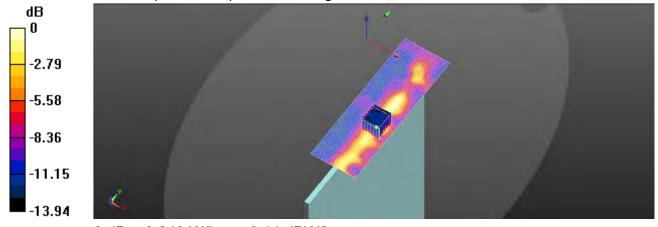
Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.050 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 56.3%

Maximum value of SAR (measured) = 0.243 W/kg



0 dB = 0.243 W/kg = -6.14 dBW/kg

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ID: 027

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-5, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	5.998	35.618

Hardware Setup

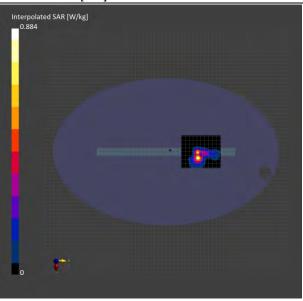
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.566	0.593
psSAR8g [W/kg]	0.197	0.199
psSAR10g [W/kg]	0.177	0.176
psPDab (4.0cm2, sq) [W/m2]		3.98
Power Drift [dB]	-0.07	0.05
M2/M1 [%]		63.4
Dist 3dB Peak [mm]		3.7



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ID: 028

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-6, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.195	35.402

Hardware Setup

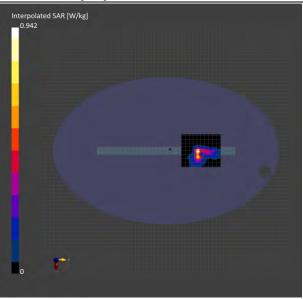
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.586	0.765
psSAR8g [W/kg]	0.205	0.215
psSAR10g [W/kg]	0.185	0.191
psPDab (4.0cm2, sq) [W/m2]		4.31
Power Drift [dB]	-0.02	0.08
M2/M1 [%]		61.6
Dist 3dB Peak [mm]		3.0



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ID: 029

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-7, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.581	34.983

Hardware Setup

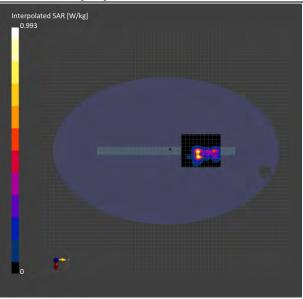
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

_	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.1 x 3.1 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.662	0.860
psSAR8g [W/kg]	0.247	0.267
psSAR10g [W/kg]	0.222	0.236
psPDab (4.0cm2, sq) [W/m2]		5.34
Power Drift [dB]	-0.02	-0.04
M2/M1 [%]		60.8
Dist 3dB Peak [mm]		3.7



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ID: 030

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-8, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 183 (6865.0 MHz)

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.633	34.915

Hardware Setup

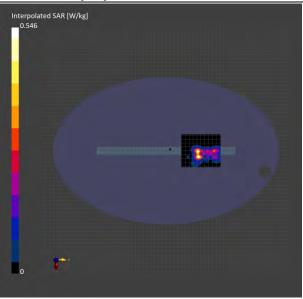
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

_	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.1 x 3.1 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.373	0.460
psSAR8g [W/kg]	0.142	0.145
psSAR10g [W/kg]	0.127	0.128
psPDab (4.0cm2, sq) [W/m2]		2.90
Power Drift [dB]	-0.05	0.01
M2/M1 [%]		59.9
Dist 3dB Peak [mm]		3.7



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ID: 031

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-5, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	5.803	35.826

Hardware Setup

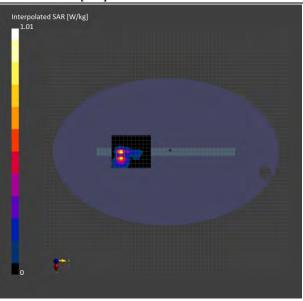
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.598	0.784
psSAR8g [W/kg]	0.198	0.215
psSAR10g [W/kg]	0.182	0.185
psPDab (4.0cm2, sq) [W/m2]		4.31
Power Drift [dB]	0.04	-0.02
M2/M1 [%]		60.9
Dist 3dB Peak [mm]		4.4



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ID: 032

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-6, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.195	35.402

Hardware Setup

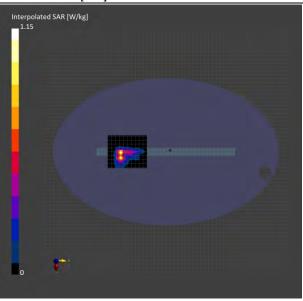
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.1 x 3.1 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.716	0.932
psSAR8g [W/kg]	0.264	0.282
psSAR10g [W/kg]	0.239	0.248
psPDab (4.0cm2, sq) [W/m2]		5.64
Power Drift [dB]	0.02	0.08
M2/M1 [%]		62.9
Dist 3dB Peak [mm]		4.4



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ID: 033

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-7, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 143 (6665.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.39	35.192

Hardware Setup

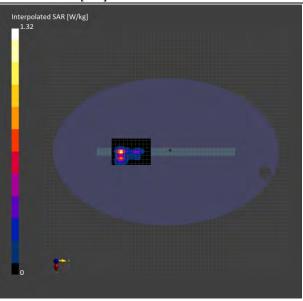
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.820	1.08
psSAR8g [W/kg]	0.261	0.301
psSAR10g [W/kg]	0.234	0.257
psPDab (4.0cm2, sq) [W/m2]		6.02
Power Drift [dB]	0.03	0.02
M2/M1 [%]		54.1
Dist 3dB Peak [mm]		5.2



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ID: 034

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-8, Tx2

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 199 (6945.0 MHz)

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.85	6.732	34.802

Hardware Setup

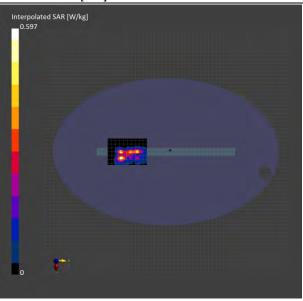
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-29	2022-11-29
psSAR1g [W/kg]	0.403	0.435
psSAR8g [W/kg]	0.145	0.166
psSAR10g [W/kg]	0.133	0.148
psPDab (4.0cm2, sq) [W/m2]		3.32
Power Drift [dB]	-0.05	-0.09
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		4.8



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ID: 035

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Right Edge, U-NII-5, Tx1 IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	5.803	35.826

Hardware Setup

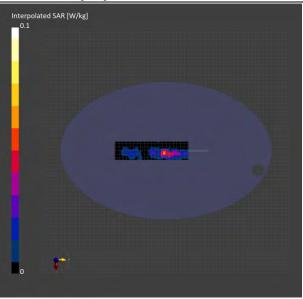
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	
psSAR1g [W/kg]	0.045	0.050
psSAR8g [W/kg]	0.017	0.016
psSAR10g [W/kg]	0.015	0.014
psPDab (4.0cm2, sq) [W/m2]		0.322
Power Drift [dB]	0.11	-0.11
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		4.8



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ID: 036

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Right Edge, U-NII-6, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	6.195	35.402

Hardware Setup

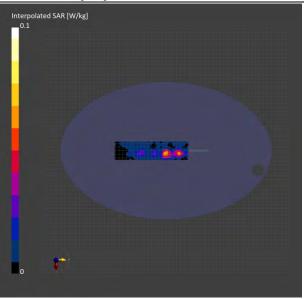
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.054	0.056
psSAR8g [W/kg]	0.021	0.018
psSAR10g [W/kg]	0.019	0.016
psPDab (4.0cm2, sq) [W/m2]		0.364
Power Drift [dB]	-0.10	0.11
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		5.4



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ID: 037

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Right Edge, U-NII-7, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	6.581	34.983

Hardware Setup

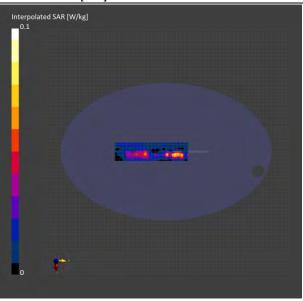
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.063	0.060
psSAR8g [W/kg]	0.024	0.022
psSAR10g [W/kg]	0.022	0.019
psPDab (4.0cm2, sq) [W/m2]		0.431
Power Drift [dB]	0.18	-0.12
M2/M1 [%]		50.0
Dist 3dB Peak [mm]		5.5



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ID: 038

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Right Edge, U-NII-8, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 183 (6865.0 MHz)

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	6.633	34.915

Hardware Setup

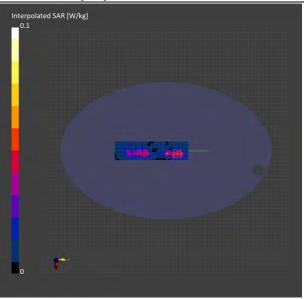
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Aron Soon	Zoom Scan
	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.042	0.035
psSAR8g [W/kg]	0.018	0.01
psSAR10g [W/kg]	0.016	0.009
psPDab (4.0cm2, sq) [W/m2]		0.198
Power Drift [dB]	-0.14	-0.13
M2/M1 [%]		48.3
Dist 3dB Peak [mm]		5.8



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ID: 039

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Left Edge, U-NII-5, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5.65	5.998	35.618

Hardware Setup

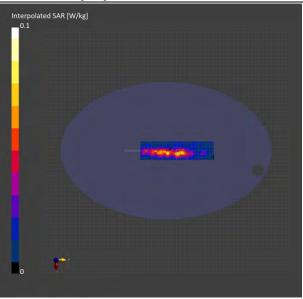
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.057	0.056
psSAR8g [W/kg]	0.024	0.020
psSAR10g [W/kg]	0.021	0.018
psPDab (4.0cm2, sq) [W/m2]		0.400
Power Drift [dB]	-0.13	0.10
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		5.4



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ID: 040

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Left Edge, U-NII-6, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5.65	6.195	35.402

Hardware Setup

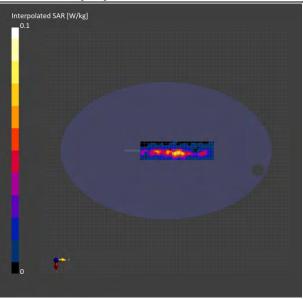
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.064	0.063
psSAR8g [W/kg]	0.026	0.023
psSAR10g [W/kg]	0.023	0.020
psPDab (4.0cm2, sq) [W/m2]		0.460
Power Drift [dB]	0.10	-0.16
M2/M1 [%]		55.7
Dist 3dB Peak [mm]		5.4



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ID: 041

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Left Edge, U-NII-7, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5.65	6.581	34.983

Hardware Setup

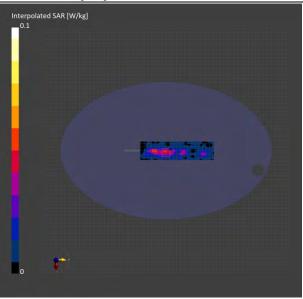
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	0.043	0.039
psSAR8g [W/kg]	0.017	0.014
psSAR10g [W/kg]	0.015	0.012
psPDab (4.0cm2, sq) [W/m2]		0.271
Power Drift [dB]	0.12	-0.13
M2/M1 [%]		48.4
Dist 3dB Peak [mm]		6.1



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ID: 042

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Left Edge, U-NII-8, Tx2

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 199 (6945.0 MHz)

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5.85	6.732	34.802

Hardware Setup

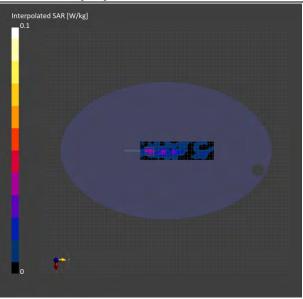
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-29	2022-11-29
psSAR1g [W/kg]	0.031	0.028
psSAR8g [W/kg]	0.012	0.01
psSAR10g [W/kg]	0.011	0.008
psPDab (4.0cm2, sq) [W/m2]		0.192
Power Drift [dB]	0.12	-0.09
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		8.5



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Date: 2022/11/30

ID: 053

Report No.: TESA2210000419EN

WLAN 802.11b_Body_Top Edge_CH 6_0mm_Tx1

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.017 Medium parameters used: f = 2437 MHz; $\sigma = 1.818 \text{ S/m}$; $\epsilon_r = 39.351$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2437 MHz; Calibrated: 2022/1/26

• 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 (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.671 W/kg

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

Reference Value = 2.334 V/m; Power Drift = 0.09 dB

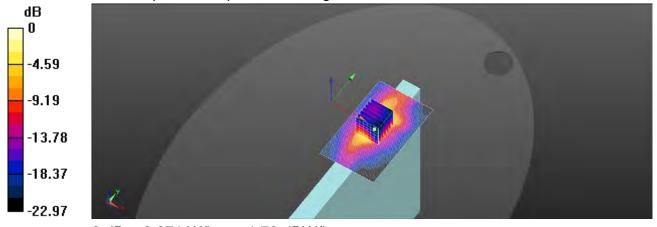
Peak SAR (extrapolated) = 0.974 W/kg

SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.165 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 44.3%

Maximum value of SAR (measured) = 0.607 W/kg



0 dB = 0.671 W/kg = -1.73 dBW/kg

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Date: 2022/11/30

ID: 054

Report No.: TESA2210000419EN

Bluetooth(GFSK)_Body_Top Edge_CH 39_0mm_Tx1

Communication System: Bluetooh; Frequency: 2441 MHz; Duty cycle= 1:1.342

Medium parameters used: f = 2441 MHz; $\sigma = 1.822$ S/m; $\epsilon_r = 39.336$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2441 MHz; Calibrated: 2022/1/26

• 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 (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.0266 W/kg

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

Reference Value = 2.752 V/m; Power Drift = -0.06 dB

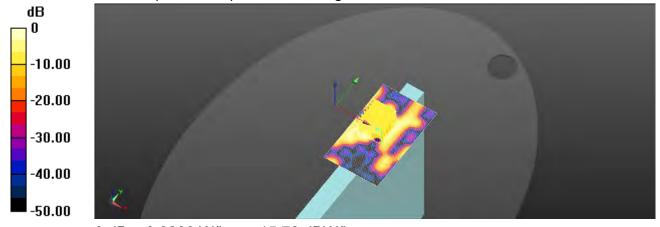
Peak SAR (extrapolated) = 0.0490 W/kg

SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.0072 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 44.9%

Maximum value of SAR (measured) = 0.0260 W/kg



0 dB = 0.0266 W/kg = -15.76 dBW/kg

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Date: 2022/12/1

ID: 055

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.2G_Body_Top Edge_CH 46_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5230 MHz; $\sigma = 4.661 \text{ S/m}$; $\varepsilon_r = 35.65$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5230 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 0.951 W/kg

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

Reference Value = 4.158 V/m; Power Drift = 0.09 dB

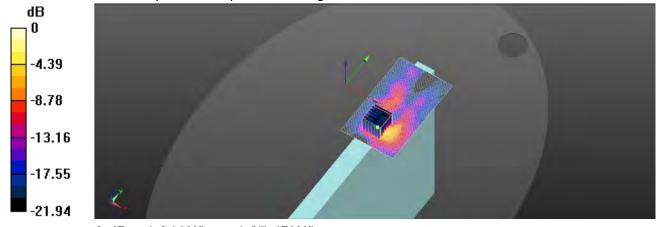
Peak SAR (extrapolated) = 2.99 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.133 W/kg

Smallest distance from peaks to all points 3 dB below = 4.2 mm

Ratio of SAR at M2 to SAR at M1 = 57.3%

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

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Date: 2022/12/1

ID: 056

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.3G_Body_Top Edge_CH 54_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5270 MHz; $\sigma = 4.721 \text{ S/m}$; $\epsilon_r = 35.572$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5270 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 0.919 W/kg

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

Reference Value = 4.752 V/m; Power Drift = 0.02 dB

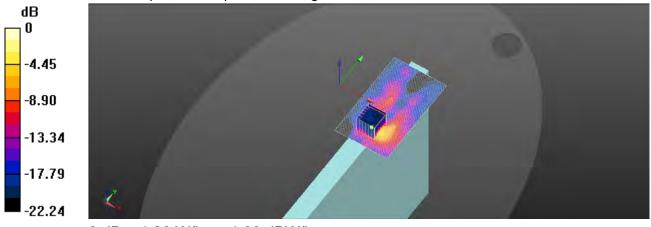
Peak SAR (extrapolated) = 2.84 W/kg

SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.124 W/kg

Smallest distance from peaks to all points 3 dB below = 4.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.5%

Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

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Date: 2022/12/2

ID: 057

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.6G_Body_Top Edge_CH 138_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5690 MHz; $\sigma = 5.214 \text{ S/m}$; $\epsilon_r = 34.585$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5690 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 0.800 W/kg

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

Reference Value = 6.759 V/m; Power Drift = 0.08 dB

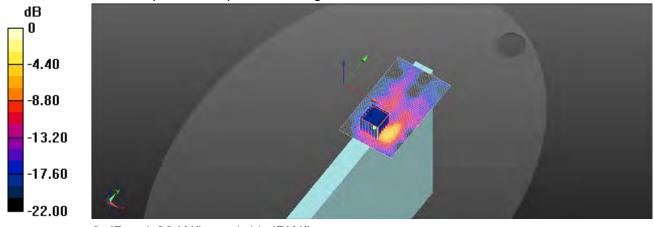
Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.123 W/kg

Smallest distance from peaks to all points 3 dB below = 5.2 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

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Date: 2022/12/2

ID: 058

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.8G_Body_Top Edge_CH 155_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5775 MHz; $\sigma = 5.317$ S/m; $\epsilon_r = 34.439$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5775 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 1.40 W/kg

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

Reference Value = 5.615 V/m; Power Drift = 0.06 dB

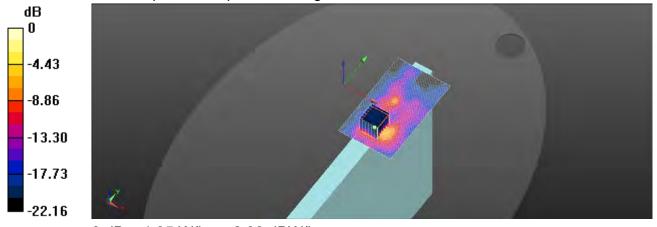
Peak SAR (extrapolated) = 4.75 W/kg

SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.189 W/kg

Smallest distance from peaks to all points 3 dB below = 5.3 mm

Ratio of SAR at M2 to SAR at M1 = 57.5%

Maximum value of SAR (measured) = 1.95 W/kg



0 dB = 1.95 W/kg = 2.90 dBW/kg

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Date: 2022/12/2

ID: 059

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.9G_Body_Top Edge_CH 171_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5855 MHz; $\sigma = 5.411$ S/m; $\epsilon_r = 34.311$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5855 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 1.97 W/kg

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

Reference Value = 5.377 V/m; Power Drift = 0.04 dB

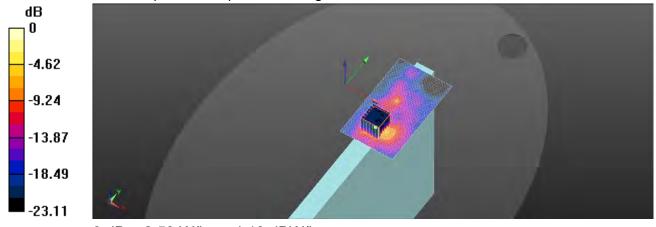
Peak SAR (extrapolated) = 7.59 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.258 W/kg

Smallest distance from peaks to all points 3 dB below = 5.2 mm

Ratio of SAR at M2 to SAR at M1 = 47.5%

Maximum value of SAR (measured) = 2.59 W/kg



0 dB = 2.59 W/kg = 4.13 dBW/kg

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Date: 2022/11/30

ID: 060

Report No.: TESA2210000419EN

WLAN 802.11b_Body_Top Edge_CH 1_0mm_Tx2

Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.017 Medium parameters used: f = 2412 MHz; $\sigma = 1.789$ S/m; $\epsilon_r = 39.456$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2412 MHz; Calibrated: 2022/1/26

• 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 (61x101x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.593 W/kg

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

Reference Value = 3.569 V/m; Power Drift = 0.15 dB

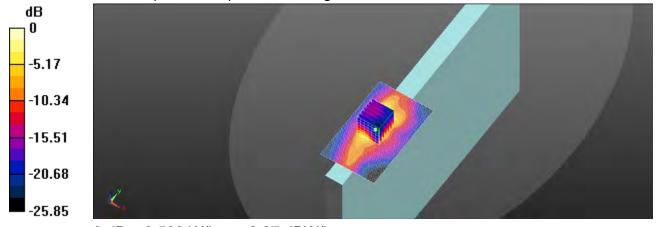
Peak SAR (extrapolated) = 0.898 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.137 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 40.8%

Maximum value of SAR (measured) = 0.530 W/kg



0 dB = 0.593 W/kg = -2.27 dBW/kg

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Date: 2022/12/1

ID: 061

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.2G_Body_Top Edge_CH 46_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5230 MHz; $\sigma = 4.661 \text{ S/m}$; $\epsilon_r = 35.65$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5230 MHz; Calibrated: 2022/1/26

• 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 (71x121x1): 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 = 3.563 V/m; Power Drift = 0.05 dB

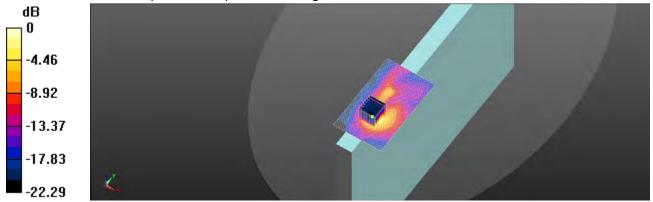
Peak SAR (extrapolated) = 3.49 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.194 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 62.2%

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

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Date: 2022/12/1

ID: 062

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.3G_Body_Top Edge_CH 62_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5310 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5310 MHz; $\sigma = 4.766$ S/m; $\epsilon_r = 35.415$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5310 MHz; Calibrated: 2022/1/26

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

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

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

Reference Value = 6.963 V/m; Power Drift = 0.07 dB

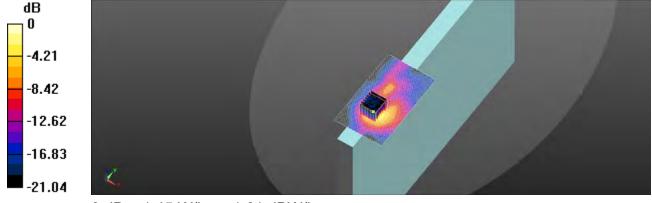
Peak SAR (extrapolated) = 3.50 W/kg

SAR(1 g) = 0.636 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 = 63%

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

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Date: 2022/12/2

ID: 063

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.6G_Body_Top Edge_CH 138_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5690 MHz; $\sigma = 5.214 \text{ S/m}$; $\epsilon_r = 34.585$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5690 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 1.78 W/kg

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

Reference Value = 5.962 V/m; Power Drift = 0.11 dB

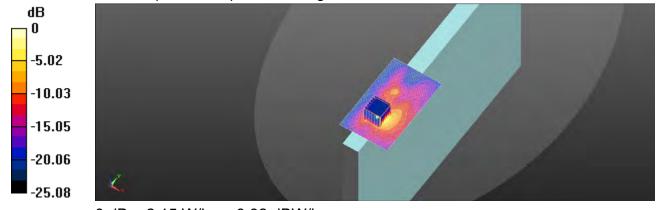
Peak SAR (extrapolated) = 5.54 W/kg

SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.241 W/kg

Smallest distance from peaks to all points 3 dB below = 4.6 mm

Ratio of SAR at M2 to SAR at M1 = 49.2%

Maximum value of SAR (measured) = 2.15 W/kg



0 dB = 2.15 W/kg = 3.32 dBW/kg

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Date: 2022/12/2

ID: 064

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.8G_Body_Top Edge_CH 155_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5775 MHz; σ = 5.317 S/m; $ε_r$ = 34.439; ρ = 1000 kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5775 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 0.775 W/kg

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

Reference Value = 4.783 V/m; Power Drift = 0.09 dB

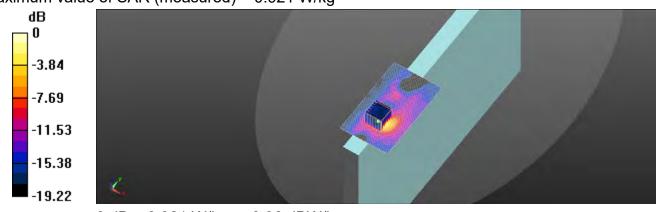
Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.118 W/kg

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

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

Maximum value of SAR (measured) = 0.921 W/kg



0 dB = 0.921 W/kg = -0.36 dBW/kg

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Date: 2022/12/2

ID: 065

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.9G_Body_Top Edge_CH 171_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5855 MHz; $\sigma = 5.411$ S/m; $\epsilon_r = 34.311$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5855 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 2.06 W/kg

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

Reference Value = 5.292 V/m; Power Drift = 0.18 dB

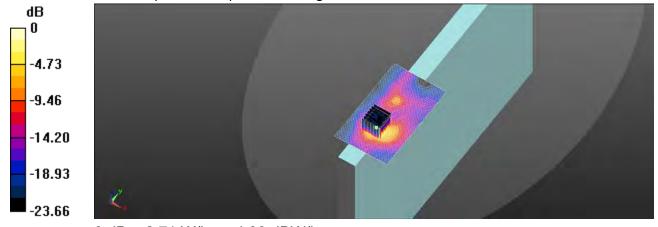
Peak SAR (extrapolated) = 6.52 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.323 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 50.3%

Maximum value of SAR (measured) = 2.71 W/kg



0 dB = 2.71 W/kg = 4.33 dBW/kg

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Date: 2022/11/30

ID: 066

Report No.: TESA2210000419EN

WLAN 802.11b Body Book Mode Right Edge CH 6 0mm Tx1

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty cycle= 1:1.017 Medium parameters used: f = 2437 MHz; $\sigma = 1.818$ S/m; $\varepsilon_r = 39.351$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2437 MHz; Calibrated: 2022/1/26

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 (51x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.118 W/kg

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

Reference Value = 3.319 V/m: Power Drift = -0.09 dB

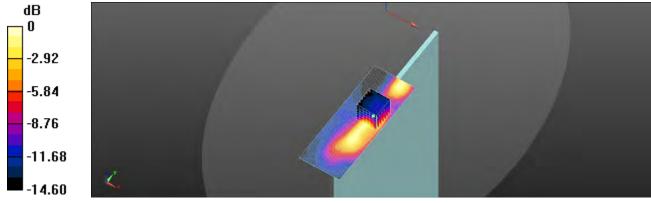
Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 q) = 0.075 W/kq; SAR(10 q) = 0.037 W/kq

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 54.1%

Maximum value of SAR (measured) = 0.111 W/kg



0 dB = 0.118 W/kg = -9.29 dBW/kg

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Date: 2022/11/30

ID: 067

Report No.: TESA2210000419EN

Bluetooth(GFSK)_Body_Book Mode_Right Edge CH 39 0mm Tx1

Communication System: Bluetooh; Frequency: 2441 MHz; Duty cycle= 1:1.342

Medium parameters used: f = 2441 MHz; $\sigma = 1.822$ S/m; $\epsilon_r = 39.336$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2441 MHz; Calibrated: 2022/1/26

• 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 (61x141x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.0331 W/kg

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

Reference Value = 2.997 V/m; Power Drift = -0.03 dB

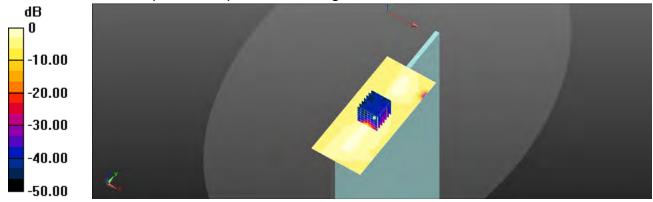
Peak SAR (extrapolated) = 0.0430 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.012 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 58%

Maximum value of SAR (measured) = 0.0296 W/kg



0 dB = 0.0331 W/kg = -14.81 dBW/kg

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Date: 2022/12/1

ID: 068

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.2G_Body_Book Mode_Right Edge_CH 46_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5230 MHz; $\sigma = 4.661 \text{ S/m}$; $\varepsilon_r = 35.65$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5230 MHz; Calibrated: 2022/1/26

• 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 (61x161x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.133 W/kg

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

Reference Value = 2.275 V/m; Power Drift = -0.07 dB

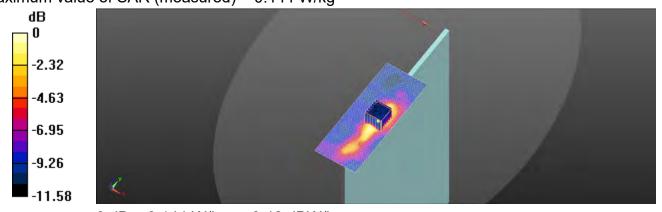
Peak SAR (extrapolated) = 0.286 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.037 W/kg

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

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

Maximum value of SAR (measured) = 0.144 W/kg



0 dB = 0.144 W/kg = -8.42 dBW/kg

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Date: 2022/12/1

ID: 069

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.3G_Body_Book Mode_Right Edge_CH 54_0mm_Tx1 Communication System: WLAN 5G; Frequency: 5270 MHz; Duty cycle= 1:1.027

Medium parameters used: f = 5270 MHz; σ = 4.721 S/m; $ε_r$ = 35.572; ρ = 1000 kg/m³

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5270 MHz; Calibrated: 2022/1/26

• 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 (61x161x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.113 W/kg

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

Reference Value = 2.443 V/m; Power Drift = -0.04 dB

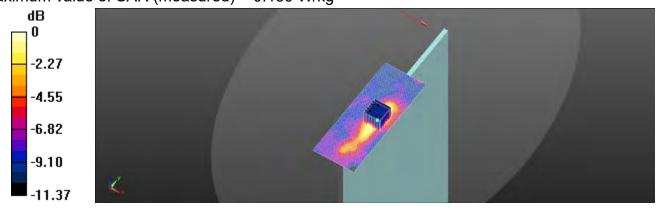
Peak SAR (extrapolated) = 0.266 W/kg

SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.033 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.6%

Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg = -8.86 dBW/kg

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Date: 2022/12/2

ID: 070

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.6G_Body_Book Mode_Right Edge_CH 138_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5690 MHz; $\sigma = 5.214$ S/m; $\epsilon_r = 34.585$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5690 MHz; Calibrated: 2022/1/26

• 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 (61x161x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.0821 W/kg

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

Reference Value = 2.817 V/m; Power Drift = 0.06 dB

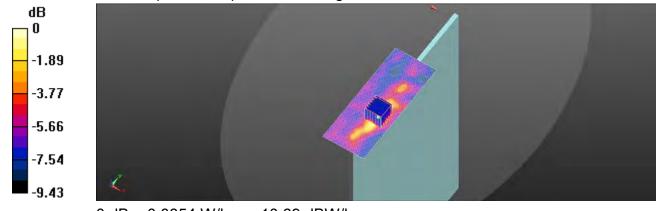
Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.027 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 60%

Maximum value of SAR (measured) = 0.0854 W/kg



0 dB = 0.0854 W/kg = -10.69 dBW/kg

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Date: 2022/12/2

ID: 071

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.8G_Body_Book Mode_Right Edge_CH 155_0mm_Tx1

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5775 MHz; $\sigma = 5.317 \text{ S/m}$; $\epsilon_r = 34.439$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5775 MHz; Calibrated: 2022/1/26

• 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 (61x161x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.144 W/kg

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

Reference Value = 2.074 V/m; Power Drift = -0.04 dB

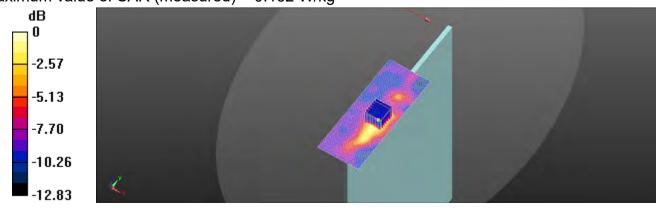
Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.027 W/kg

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

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

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg = -7.90 dBW/kg

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Date: 2022/12/2

ID: 072

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.9G_Body_Book Mode_Right Edge_CH 171_0mm_Tx1_FCC

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5855 MHz; $\sigma = 5.411$ S/m; $\epsilon_r = 34.311$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5855 MHz; Calibrated: 2022/1/26

• 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 (61x131x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.202 W/kg

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

Reference Value = 2.241 V/m; Power Drift = 0.03 dB

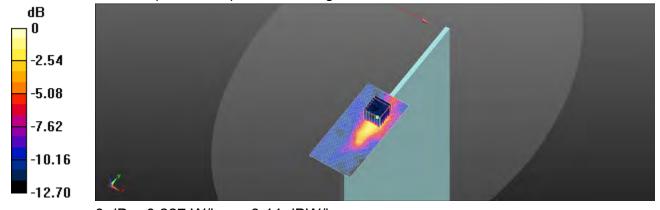
Peak SAR (extrapolated) = 0.547 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.049 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.227 W/kg = -6.44 dBW/kg

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Date: 2022/11/30

ID: 073

Report No.: TESA2210000419EN

WLAN 802.11b_Body_Book Mode_Left Edge_CH 1_0mm_Tx2

Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.017 Medium parameters used: f = 2412 MHz; $\sigma = 1.789$ S/m; $\epsilon_r = 39.456$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2412 MHz; Calibrated: 2022/1/26

• 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 (51x151x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.0439 W/kg

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

Reference Value = 3.158 V/m; Power Drift = 0.06 dB

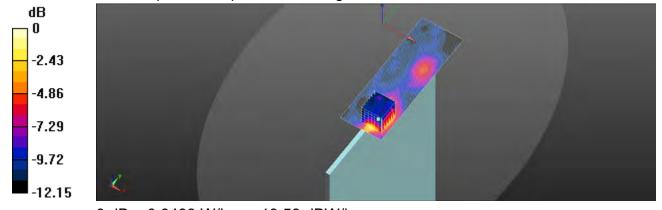
Peak SAR (extrapolated) = 0.0600 W/kg

SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.00738 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 57.2%

Maximum value of SAR (measured) = 0.0367 W/kg



0 dB = 0.0439 W/kg = -13.58 dBW/kg

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Date: 2022/12/1

ID: 074

Report No. :TESA2210000419EN

WLAN 802.11n(40M) 5.2G_Body_Book Mode_Left Edge_CH 46_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5230 MHz; $\sigma = 4.661 \text{ S/m}$; $\epsilon_r = 35.65$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5230 MHz; Calibrated: 2022/1/26

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 (61x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.109 W/kg

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

Reference Value = 3.226 V/m; Power Drift = -0.03 dB

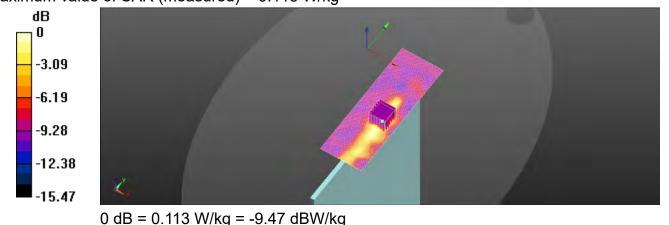
Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.028 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 62.1%

Maximum value of SAR (measured) = 0.113 W/kg



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Date: 2022/12/1

ID: 075

Report No.: TESA2210000419EN

WLAN 802.11n(40M) 5.3G_Body_Book Mode_Left Edge_CH 62_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5310 MHz; Duty cycle= 1:1.027 Medium parameters used: f = 5310 MHz; $\sigma = 4.766 \text{ S/m}$; $\epsilon_r = 35.415$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5310 MHz; Calibrated: 2022/1/26

• 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 (61x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.106 W/kg

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

Reference Value = 3.826 V/m; Power Drift = -0.04 dB

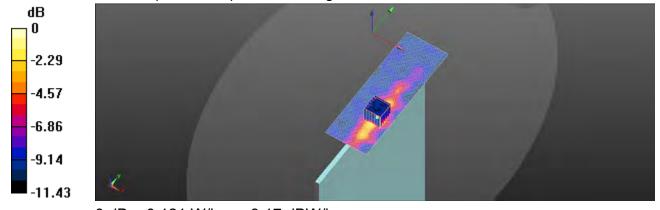
Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.028 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 0.121 W/kg



0 dB = 0.121 W/kg = -9.17 dBW/kg

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Date: 2022/12/2

ID: 076

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.6G_Body_Book Mode_Left Edge_CH 138_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5690 MHz; $\sigma = 5.214$ S/m; $\epsilon_r = 34.585$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5690 MHz; Calibrated: 2022/1/26

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 (61x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.0675 W/kg

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

Reference Value = 2.307 V/m; Power Drift = -0.06 dB

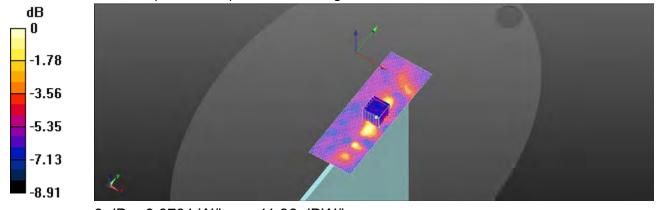
Peak SAR (extrapolated) = 0.165 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.023 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

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

Maximum value of SAR (measured) = 0.0731 W/kg



0 dB = 0.0731 W/kg = -11.36 dBW/kg

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Date: 2022/12/2

ID: 077

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.8G_Body_Book Mode_Left Edge_CH 155_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5775 MHz; $\sigma = 5.317 \text{ S/m}$; $\epsilon_r = 34.439$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5775 MHz; Calibrated: 2022/1/26

• 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 (61x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.0577 W/kg

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

Reference Value = 2.776 V/m; Power Drift = 0.03 dB

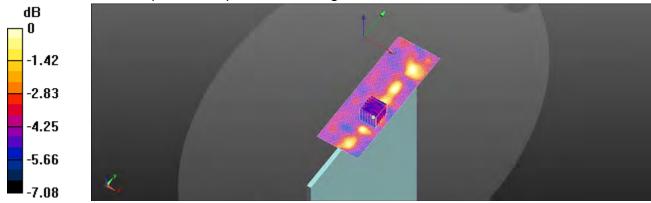
Peak SAR (extrapolated) = 0.0730 W/kg

SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.019 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 63.8%

Maximum value of SAR (measured) = 0.0508 W/kg



0 dB = 0.0508 W/kg = -12.94 dBW/kg

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Date: 2022/12/2

ID: 078

Report No.: TESA2210000419EN

WLAN 802.11ac(80M) 5.9G_Body_Book Mode_Left Edge_CH 171_0mm_Tx2

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.041 Medium parameters used: f = 5855 MHz; $\sigma = 5.411$ S/m; $\epsilon_r = 34.311$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5855 MHz; Calibrated: 2022/1/26

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 (61x181x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.0947 W/kg

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

Reference Value = 2.032 V/m; Power Drift = 0.04 dB

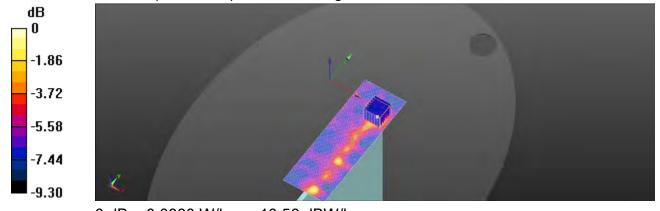
Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.027 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 64.7%

Maximum value of SAR (measured) = 0.0880 W/kg



0 dB = 0.0880 W/kg = -10.56 dBW/kg

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ID: 079

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-5, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	5.987	35.494

Hardware Setup

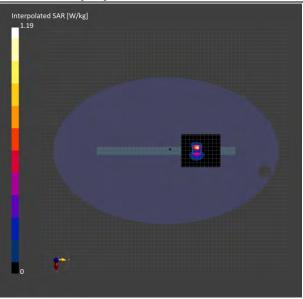
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.680	0.787
psSAR8g [W/kg]	0.195	0.206
psSAR10g [W/kg]	0.173	0.175
psPDab (4.0cm2, sq) [W/m2]		4.12
Power Drift [dB]	-0.01	-0.01
M2/M1 [%]		59.4
Dist 3dB Peak [mm]		4.3



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Page: 160 of 208

ID: 080

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-6, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.188	35.264

Hardware Setup

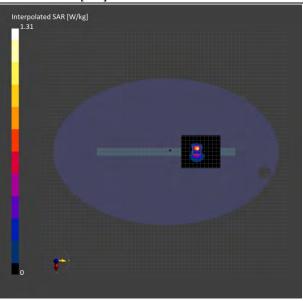
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

measurement results			
	Area Scan	Zoom Scan	
Date	2022-12-3	2022-12-3	
psSAR1g [W/kg]	0.740	0.854	
psSAR8g [W/kg]	0.205	0.219	
psSAR10g [W/kg]	0.178	0.185	
psPDab (4.0cm2, sq) [W/m2]		4.38	
Power Drift [dB]	-0.07	-0.08	
M2/M1 [%]		58.1	
Dist 3dB Peak [mm]		3.8	



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ID: 081

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-7, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.572	34.85

Hardware Setup

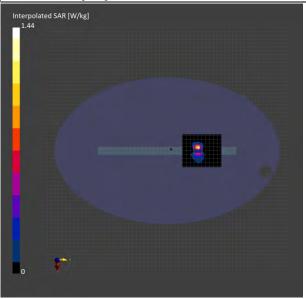
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

node at official records		
	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.884	1.02
psSAR8g [W/kg]	0.247	0.261
psSAR10g [W/kg]	0.214	0.221
psPDab (4.0cm2, sq) [W/m2]		5.22
Power Drift [dB]	0.04	0.02
M2/M1 [%]		57.2
Dist 3dB Peak [mm]		3.7



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ID: 082

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-8, Tx1

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 183 (6865.0 MHz)

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.622	34.791

Hardware Setup

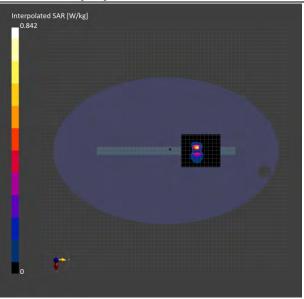
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.517	0.592
psSAR8g [W/kg]	0.144	0.149
psSAR10g [W/kg]	0.125	0.126
psPDab (4.0cm2, sq) [W/m2]		2.97
Power Drift [dB]	-0.04	-0.14
M2/M1 [%]		55.8
Dist 3dB Peak [mm]		3.7



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ID: 083

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-5, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	5.597	35.901

Hardware Setup

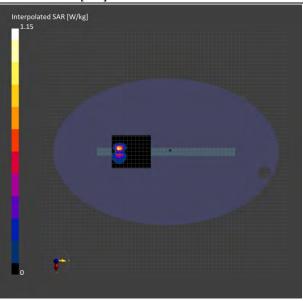
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.671	0.804
psSAR8g [W/kg]	0.201	0.222
psSAR10g [W/kg]	0.174	0.191
psPDab (4.0cm2, sq) [W/m2]		4.44
Power Drift [dB]	0.03	0.01
M2/M1 [%]		60.3
Dist 3dB Peak [mm]		4.4



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ID: 084

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-6, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.188	35.264

Hardware Setup

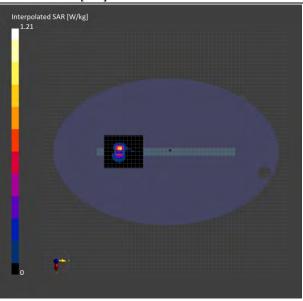
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Housai official (Assaits		
	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.720	0.829
psSAR8g [W/kg]	0.215	0.226
psSAR10g [W/kg]	0.187	0.194
psPDab (4.0cm2, sq) [W/m2]		4.52
Power Drift [dB]	0.02	0.03
M2/M1 [%]		56.6
Dist 3dB Peak [mm]		4.0



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ID: 085

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-7, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.65	6.572	34.85

Hardware Setup

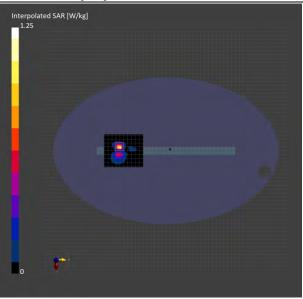
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.807	0.942
psSAR8g [W/kg]	0.241	0.245
psSAR10g [W/kg]	0.206	0.208
psPDab (4.0cm2, sq) [W/m2]		4.90
Power Drift [dB]	0.08	0.02
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		4.4



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ID: 086

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-8, Tx2

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 199 (6945.0 MHz)

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Top Edge, 0.00	5.85	6.725	34.672

Hardware Setup

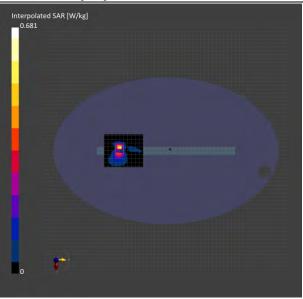
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-4	
psSAR1g [W/kg]	0.444	0.500
psSAR8g [W/kg]	0.134	0.131
psSAR10g [W/kg]	0.115	0.112
psPDab (4.0cm2, sq) [W/m2]		2.61
Power Drift [dB]	0.05	0.03
M2/M1 [%]		53.6
Dist 3dB Peak [mm]		3.8



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ID: 087

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Right Edge, U-NII-5, Tx1 IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	5.597	35.901

Hardware Setup

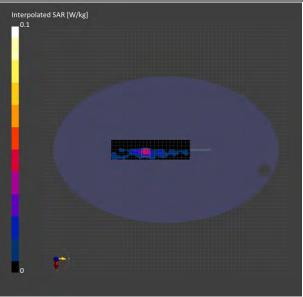
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.034	0.045
psSAR8g [W/kg]	0.014	0.016
psSAR10g [W/kg]	0.012	0.014
psPDab (4.0cm2, sq) [W/m2]		0.325
Power Drift [dB]	-0.50	-0.17
M2/M1 [%]		56.1
Dist 3dB Peak [mm]		4.8



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ID: 088

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Right Edge, U-NII-6, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	6.188	35.264

Hardware Setup

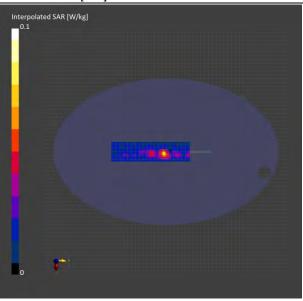
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

Medadiement results			
	Area Scan	Zoom Scan	
Date	2022-12-3	2022-12-3	
psSAR1g [W/kg]	0.057	0.055	
psSAR8g [W/kg]	0.022	0.018	
psSAR10g [W/kg]	0.020	0.016	
psPDab (4.0cm2, sq) [W/m2]		0.370	
Power Drift [dB]	-0.15	0.13	
M2/M1 [%]		52.5	
Dist 3dB Peak [mm]		5.2	



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ID: 089

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Right Edge, U-NII-7, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	6.572	34.85

Hardware Setup

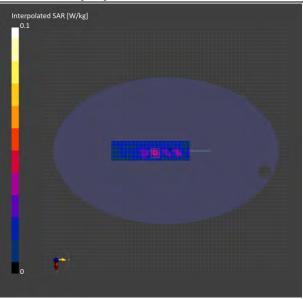
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

moderal children in the control of t		
	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.035	0.034
psSAR8g [W/kg]	0.014	0.010
psSAR10g [W/kg]	0.013	0.009
psPDab (4.0cm2, sq) [W/m2]		0.205
Power Drift [dB]	-0.15	-0.11
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		5.4



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ID: 090

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Right Edge, U-NII-8, Tx1 IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 183 (6865.0 MHz)

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Right Edge, 0.00	5.65	6.622	34.791

Hardware Setup

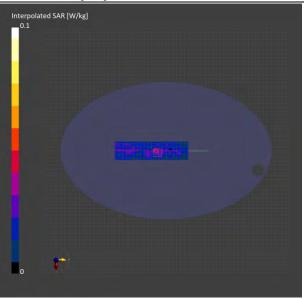
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.033	0.024
psSAR8g [W/kg]	0.014	0.008
psSAR10g [W/kg]	0.012	0.007
psPDab (4.0cm2, sq) [W/m2]		0.163
Power Drift [dB]	-0.10	-0.13
M2/M1 [%]		62.4
Dist 3dB Peak [mm]		5.6



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ID: 091

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Left Edge, U-NII-5, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5.65	5.791	35.696

Hardware Setup

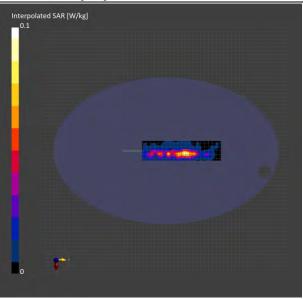
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

nowown official recounts			
	Area Scan	Zoom Scan	
Date	2022-12-3	2022-12-3	
psSAR1g [W/kg]	0.070	0.072	
psSAR8g [W/kg]	0.027	0.025	
psSAR10g [W/kg]	0.024	0.022	
psPDab (4.0cm2, sq) [W/m2]		0.500	
Power Drift [dB]	-0.09	-0.12	
M2/M1 [%]		54.4	
Dist 3dB Peak [mm]		6.1	



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ID: 092

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Left Edge, U-NII-6, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5.65	6.188	35.264

Hardware Setup

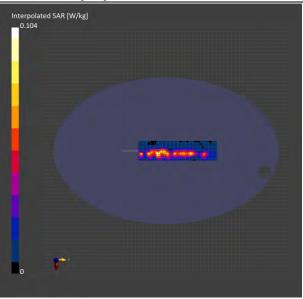
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Coon	Zoom Coon
	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.067	0.064
psSAR8g [W/kg]	0.026	0.023
psSAR10g [W/kg]	0.024	0.020
psPDab (4.0cm2, sq) [W/m2]		0.456
Power Drift [dB]	-0.02	-0.13
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		6.1



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ID: 093

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Left Edge, U-NII-7, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5.65	6.572	34.85

Hardware Setup

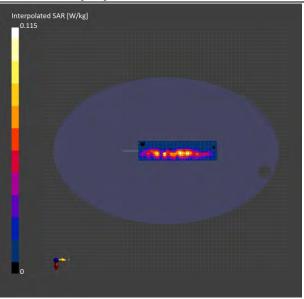
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	0.082	0.066
psSAR8g [W/kg]	0.031	0.020
psSAR10g [W/kg]	0.028	0.018
psPDab (4.0cm2, sq) [W/m2]		0.398
Power Drift [dB]	-0.16	0.13
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		4.8



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ID: 094

Report No.: TESA2210000419EN

Measurement Report for, Body, Book Mode, Left Edge, U-NII-8, Tx2

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 199 (6945.0 MHz)

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Left Edge, 0.00	5.85	6.725	34.672

Hardware Setup

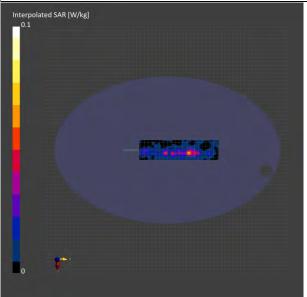
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-09-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-4	2022-12-4
psSAR1g [W/kg]	0.049	0.052
psSAR8g [W/kg]	0.018	0.015
psSAR10g [W/kg]	0.016	0.013
psPDab (4.0cm2, sq) [W/m2]		0.303
Power Drift [dB]	0.06	-0.08
M2/M1 [%]		48.3
Dist 3dB Peak [mm]		5.0



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13 PD MEASUREMENT RESULTS

ID: 043

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-5, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)

Exposure Conditions

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

Hardware Setup

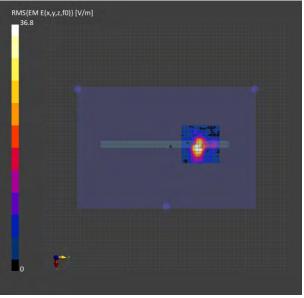
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-06
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	1.10
psPDtot+ [W/m²]	1.29
psPDmod+ [W/m²]	1.75
E _{max} [V/m]	36.8
Power Drift [dB]	0.02



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ID: 044

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-5, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz)

Exposure Conditions

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

Hardware Setup

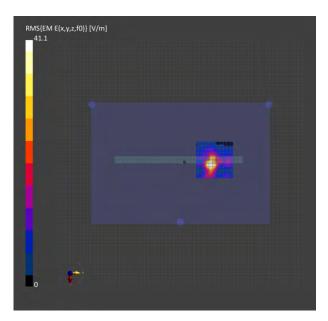
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.48
psPDtot+ [W/m²]	1.74
psPDmod+ [W/m²]	1.98
E _{max} [V/m]	41.1
Power Drift [dB]	0.03



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ID: 045

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-6, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Exposure Conditions

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

Hardware Setup

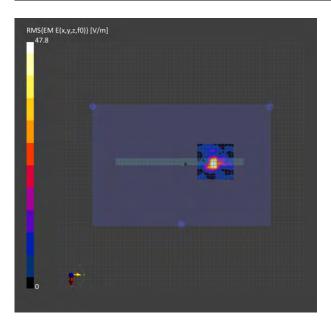
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

5G Scan
2022-12-06
4.00
2.23
2.36
2.99
47.8
-0.01



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ID: 046

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-7, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Exposure Conditions

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

Hardware Setup

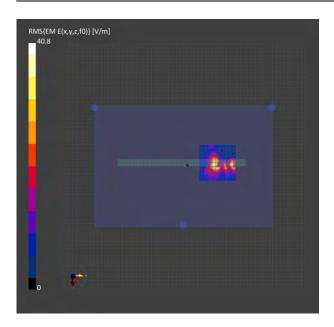
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.58
psPDtot+ [W/m²]	1.98
psPDmod+ [W/m²]	2.36
E _{max} [V/m]	40.8
Power Drift [dB]	-0.08



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ID: 047

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-8, Tx1

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 183 (6865.0 MHz)

Exposure Conditions

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

Hardware Setup

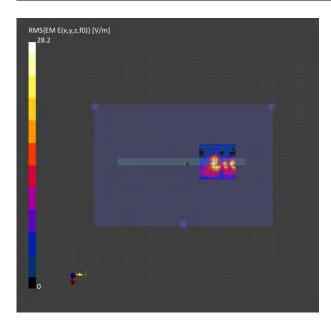
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635 F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

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Scan Type	5G Scan
Date	2022-12-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.643
psPDtot+ [W/m²]	0.933
psPDmod+ [W/m²]	1.13
E _{max} [V/m]	28.2
Power Drift [dB]	0.03



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ID: 048

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-5, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)

Exposure Conditions

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

Hardware Setup

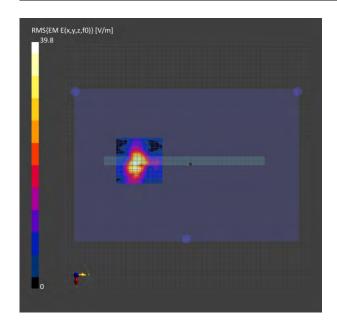
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

mode and the transfer of the t		
5G Scan		
2022-12-06		
4.00		
1.73		
2.20		
2.66		
39.8		
-0.08		



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ID: 049

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-5, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)

Exposure Conditions

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

Hardware Setup

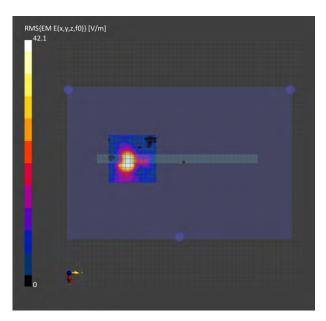
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-07
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.53
psPDtot+ [W/m²]	2.55
psPDmod+ [W/m²]	2.92
E _{max} [V/m]	42.1
Power Drift [dB]	-0.02



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ID: 050

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-6, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Exposure Conditions

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

Hardware Setup

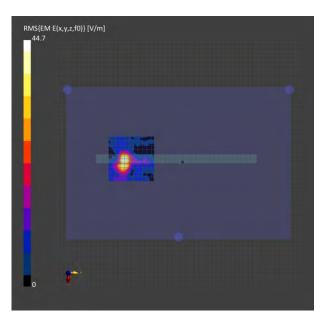
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-07
Avg. Area [cm²]	4.00
psPDn+ [W/m ²]	2.16
psPDtot+ [W/m²]	2.34
psPDmod+ [W/m²]	2.68
E _{max} [V/m]	44.7
Power Drift [dB]	-0.06



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ID: 051

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-7, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Exposure Conditions

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

Hardware Setup

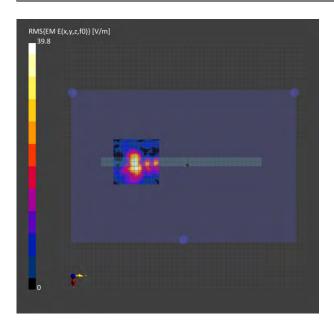
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-07
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.47
psPDtot+ [W/m²]	1.88
psPDmod+ [W/m²]	2.33
E _{max} [V/m]	39.8
Power Drift [dB]	0.03



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ID: 052

Report No.: TESA2210000419EN

Measurement Report for, Top Edge, U-NII-8, Tx2

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 199 (6945.0 MHz)

Exposure Conditions

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

Hardware Setup

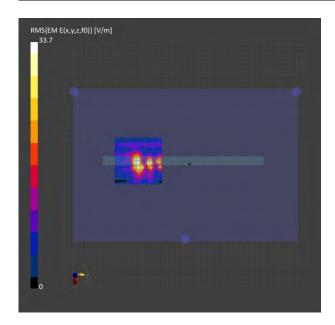
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

5G Scan
2022-12-07
4.00
0.986
1.19
1.48
33.7
-0.03



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ID: 095

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-5, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)

Exposure Conditions

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

Hardware Setup

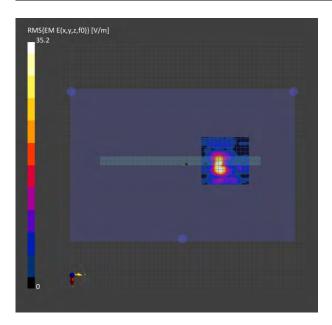
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

mode di omonit i toculto	
Scan Type	5G Scan
Date	2022-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.06
psPDtot+ [W/m²]	1.23
psPDmod+ [W/m²]	1.58
E _{max} [V/m]	35.2
Power Drift [dB]	-0.04



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ID: 096

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-5, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 79 (6345.0 MHz)

Exposure Conditions

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

Hardware Setup

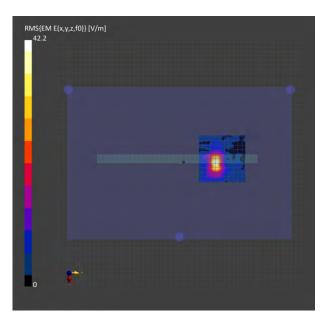
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.49
psPDtot+ [W/m²]	1.90
psPDmod+ [W/m²]	2.49
E _{max} [V/m]	42.2
Power Drift [dB]	0.02



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ID: 097

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-6, Tx1

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Exposure Conditions

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

Hardware Setup

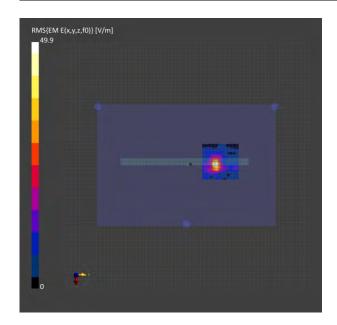
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

5G Scan
2022-12-05
4.00
1.97
2.44
2.90
49.9
0.04



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ID: 098

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-7, Tx1

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Exposure Conditions

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

Hardware Setup

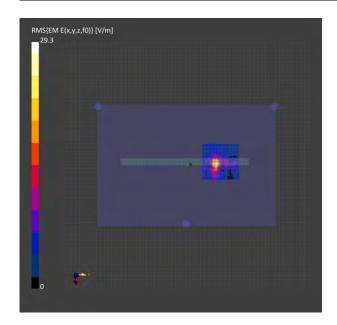
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

5G Scan
2022-12-05
4.00
0.731
0.927
1.10
29.3
-0.07



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ID: 099

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-8, Tx1

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 183 (6865.0 MHz)

Exposure Conditions

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

Hardware Setup

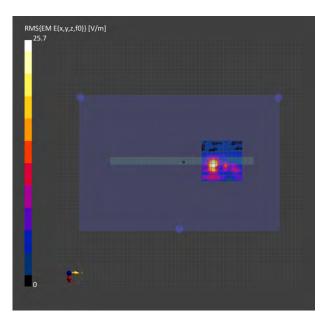
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.660
psPDtot+ [W/m²]	0.740
psPDmod+ [W/m²]	0.892
E _{max} [V/m]	25.7
Power Drift [dB]	-0.03



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ID: 100

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-5, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 15 (6025.0 MHz)

Exposure Conditions

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

Hardware Setup

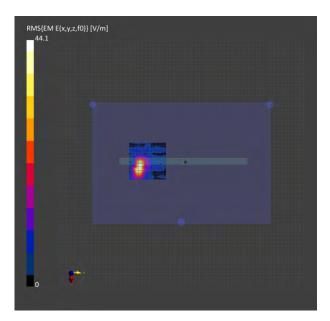
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.64
psPDtot+ [W/m²]	1.98
psPDmod+ [W/m²]	2.78
E _{max} [V/m]	44.1
Power Drift [dB]	-0.06



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ID: 101

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-5, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 47 (6185.0 MHz)

Exposure Conditions

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

Hardware Setup

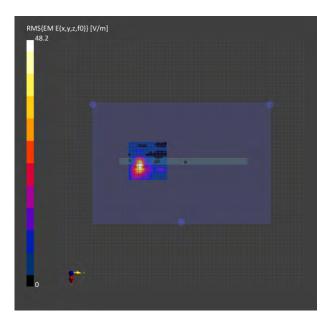
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.08
psPDtot+ [W/m²]	2.42
psPDmod+ [W/m²]	3.10
E _{max} [V/m]	48.2
Power Drift [dB]	-0.10



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ID: 102

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-6, Tx2

IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle), Channel 111 (6505.0 MHz)

Exposure Conditions

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

Hardware Setup

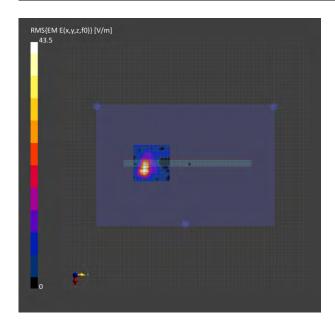
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

5G Scan
2022-12-05
4.00
1.46
1.88
2.59
43.5
-0.04



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ID: 103

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-7, Tx2

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 175 (6825.0 MHz)

Exposure Conditions

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

Hardware Setup

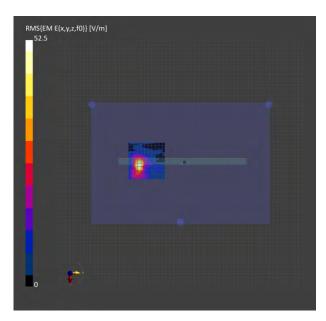
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.80
psPDtot+ [W/m²]	3.42
psPDmod+ [W/m²]	4.05
E _{max} [V/m]	52.5
Power Drift [dB]	-0.06



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ID: 104

Report No.: TESA2210000419EN

Measurement Report for, Body, Top Edge, U-NII-8, Tx2

IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle), Channel 199 (6945.0 MHz)

Exposure Conditions

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

Hardware Setup

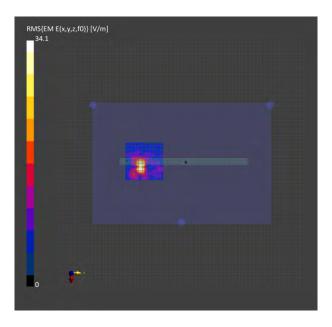
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-09-22

Scans Setup

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

Measurement Results

mode di oni one recourte	
Scan Type	5G Scan
Date	2022-12-06
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	1.08
psPDtot+ [W/m²]	1.21
psPDmod+ [W/m²]	1.57
E _{max} [V/m]	34.1
Power Drift [dB]	0.05



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14 SAR SYSTEM CHECK RESULTS

Date: 2022/11/25

Report No.: TESA2210000419EN

Dipole 2450 MHz SN:727

Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1

Medium parameters used: f = 2450 MHz; $\sigma = 1.843 \text{ S/m}$; $\epsilon_r = 39.18$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2450 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 21.9 W/kg

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

Reference Value = 101.8 V/m; Power Drift = -0.14 dB

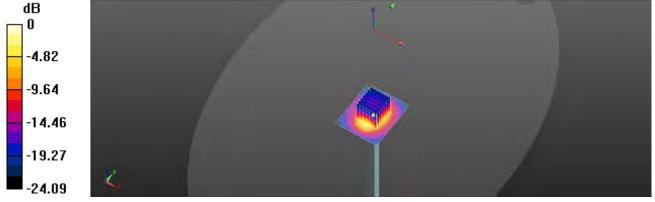
Peak SAR (extrapolated) = 28.1 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.13 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 48.9%

Maximum value of SAR (measured) = 20.8 W/kg



0 dB = 21.9 W/kg = 13.41 dBW/kg

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Date: 2022/11/26

Report No.: TESA2210000419EN Dipole 5250 MHz SN:1023

Communication System: CW; Frequency: 5250 MHz; Duty cycle= 1:1

Medium parameters used: f = 5250 MHz; $\sigma = 4.711 \text{ S/m}$; $\epsilon_r = 35.474$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5250 MHz; Calibrated: 2022/1/26

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) = 16.4 W/kg

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

Reference Value = 58.53 V/m; Power Drift = -0.15 dB

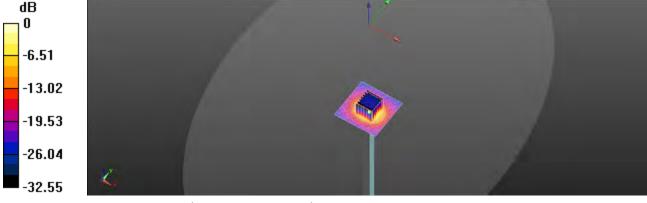
Peak SAR (extrapolated) = 32.2 W/kg

SAR(1 g) = 8.15 W/kg; SAR(10 g) = 2.34 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

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



0 dB = 16.9 W/kg = 12.28 dBW/kg

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Date: 2022/11/27

Report No.: TESA2210000419EN **Dipole 5600 MHz SN:1023**

Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1

Medium parameters used: f = 5600 MHz; $\sigma = 5.131 \text{ S/m}$; $\epsilon_r = 34.641$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.05, 5.05, 5.05) @ 5600 MHz; Calibrated: 2022/1/26

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) = 18.7 W/kg

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

Reference Value = 54.47 V/m; Power Drift = -0.14 dB

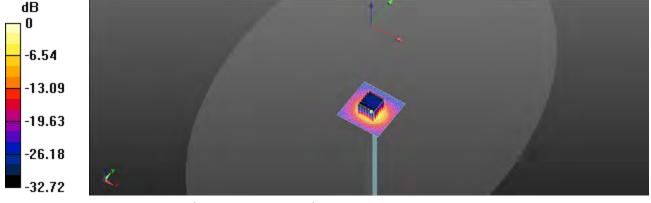
Peak SAR (extrapolated) = 38.2 W/kg

SAR(1 g) = 8.39 W/kg; SAR(10 g) = 2.28 W/kg

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

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

Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg

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Date: 2022/11/27

Report No.: TESA2210000419EN **Dipole 5750 MHz SN:1023**

Communication System: CW; Frequency: 5750 MHz; Duty cycle= 1:1

Medium parameters used: f = 5750 MHz; $\sigma = 5.303 \text{ S/m}$; $\epsilon_r = 34.339$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5750 MHz; Calibrated: 2022/1/26

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) = 16.2 W/kg

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

Reference Value = 55.72 V/m; Power Drift = -0.12 dB

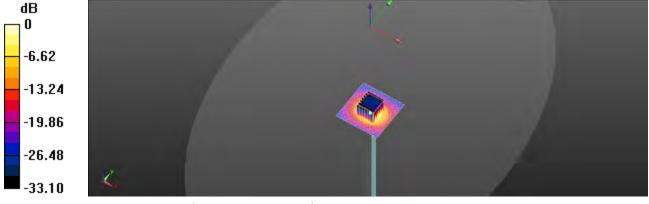
Peak SAR (extrapolated) = 35.4 W/kg

SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.28 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

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

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



0 dB = 16.8 W/kg = 12.25 dBW/kg

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Report No.: TESA2210000419EN

Measurement Report for FRONT, Validation band,

CW, Channel 6500 (6500.0 MHz), SN:1006

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	5.65	6.188	35.412

Hardware Setup

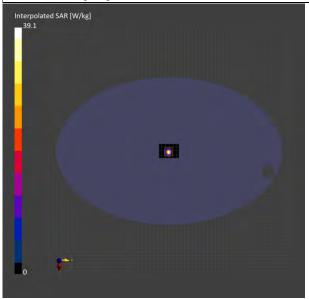
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-9-22

Scans Setup

·	Area Scan	Zoom Scan
Grid Extents [mm]	36.0 x 51.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	6.0 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-28	2022-11-28
psSAR1g [W/kg]	23.9	28.3
psSAR8g [W/kg]	5.89	6.51
psSAR10g [W/kg]	4.89	5.35
psPDab (4.0cm2, sq) [W/m2]		130
Power Drift [dB]	0.05	0.01
M2/M1 [%]		49.7
Dist 3dB Peak [mm]		4.8



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Report No.: TESA2210000419EN

Measurement Report for FRONT, Validation band,

CW, Channel 7000 (7000.0 MHz), SN:1007

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	5.85	6.802	34.725

Hardware Setup

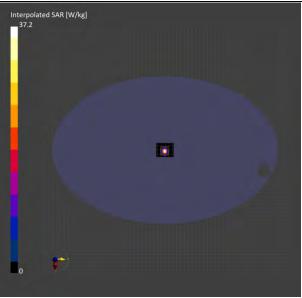
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-9-22

Scans Setup

•	Area Scan	Zoom Scan
Grid Extents [mm]	36.0 x 45.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	6.0 x 7.5	3.0 x 3.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-11-29	2022-11-29
psSAR1g [W/kg]	23.4	26.4
psSAR8g [W/kg]	5.63	5.91
psSAR10g [W/kg]	4.67	4.84
psPDab (4.0cm2, sq) [W/m2]		118
Power Drift [dB]	0.06	0.07
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		4.8



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Date: 2022/11/30

Report No.: TESA2210000419EN

Dipole 2450 MHz SN:727

Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1

Medium parameters used: f = 2450 MHz; $\sigma = 1.831 \text{ S/m}$; $\epsilon_r = 39.312$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(8.1, 8.1, 8.1) @ 2450 MHz; Calibrated: 2022/1/26

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

Maximum value of SAR (interpolated) = 21.7 W/kg

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

Reference Value = 105.7 V/m; Power Drift = -0.16 dB

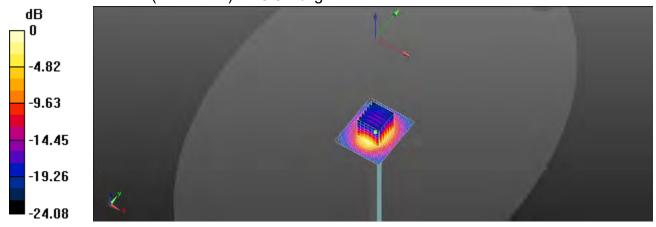
Peak SAR (extrapolated) = 27.8 W/kg

SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.09 W/kg

Smallest distance from peaks to all points 3 dB below = 9.9 mm

Ratio of SAR at M2 to SAR at M1 = 45.2%

Maximum value of SAR (measured) = 20.6 W/kg



0 dB = 21.7 W/kg = 13.37 dBW/kg

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Date: 2022/12/1

Report No. :TESA2210000419EN Dipole 5250 MHz SN:1023

Communication System: CW; Frequency: 5250 MHz; Duty cycle= 1:1

Medium parameters used: f = 5250 MHz; $\sigma = 4.69 \text{ S/m}$; $\epsilon_r = 35.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.3°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.44, 5.44, 5.44) @ 5250 MHz; Calibrated: 2022/1/26

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) = 16.7 W/kg

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

Reference Value = 58.58 V/m; Power Drift = -0.16 dB

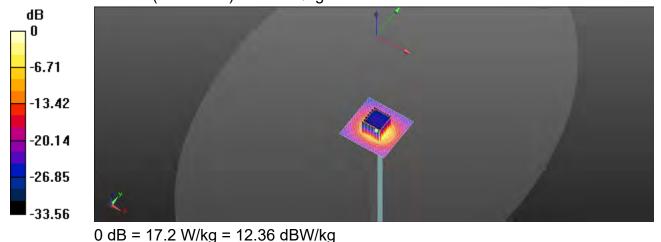
Peak SAR (extrapolated) = 33.1 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.34 W/kg

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

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

Maximum value of SAR (measured) = 17.2 W/kg



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Date: 2022/12/2

Report No.: TESA2210000419EN **Dipole 5600 MHz SN:1023**

Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1

Medium parameters used: f = 5600 MHz; $\sigma = 5.108 \text{ S/m}$; $\epsilon_r = 34.767$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.3°C; Liquid temperature: 22.0°C

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(5.05, 5.05, 5.05) @ 5600 MHz; Calibrated: 2022/1/26

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) = 17.7 W/kg

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

Reference Value = 59.27 V/m; Power Drift = -0.11 dB

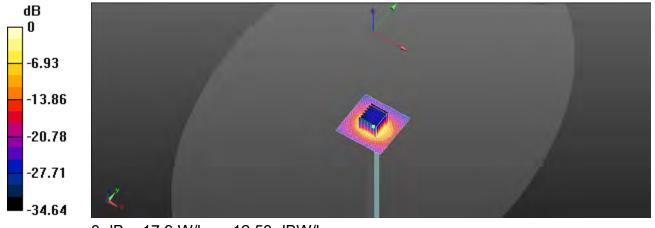
Peak SAR (extrapolated) = 36.0 W/kg

SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.42 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 51.8%

Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 17.9 W/kg = 12.53 dBW/kg

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Date: 2022/12/2

Report No.: TESA2210000419EN **Dipole 5750 MHz SN:1023**

Communication System: CW; Frequency: 5750 MHz; Duty cycle= 1:1

Medium parameters used: f = 5750 MHz; $\sigma = 5.28 \text{ S/m}$; $\varepsilon_r = 34.465$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: EX3DV4 - SN7466; ConvF(4.98, 4.98, 4.98) @ 5750 MHz; Calibrated: 2022/1/26

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) = 16.5 W/kg

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

Reference Value = 56.34 V/m; Power Drift = -0.19 dB

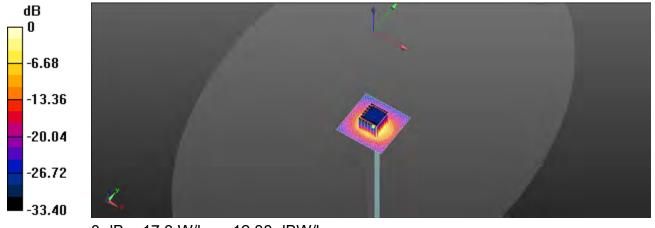
Peak SAR (extrapolated) = 36.3 W/kg

SAR(1 g) = 8.15 W/kg; SAR(10 g) = 2.33 W/kg

Smallest distance from peaks to all points 3 dB below = 7.7 mm

Ratio of SAR at M2 to SAR at M1 = 51.1%

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



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

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Report No.: TESA2210000419EN

Measurement Report for FRONT, Validation band,

CW, Channel 6500 (6500.0 MHz), SN:1006

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	5.65	6.18	35.28

Hardware Setup

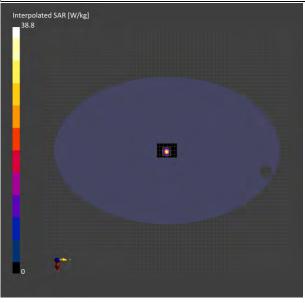
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-9-22

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	36.0 x 51.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	6.0 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

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	Area Scan	Zoom Scan
Date	2022-12-3	2022-12-3
psSAR1g [W/kg]	23.7	28.1
psSAR8g [W/kg]	5.84	6.46
psSAR10g [W/kg]	4.85	5.31
psPDab (4.0cm2, sq) [W/m2]		129
Power Drift [dB]	0.03	0.05
M2/M1 [%]		49.6
Dist 3dB Peak [mm]		4.8



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Report No.: TESA2210000419EN

Measurement Report for FRONT, Validation band,

CW, Channel 7000 (7000.0 MHz), SN:1007

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	5.85	6.799	34.595

Hardware Setup

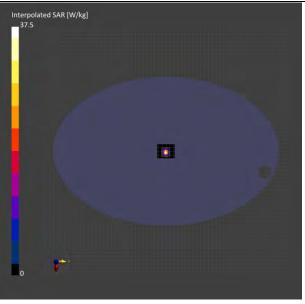
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2022-01-26	DAE4 Sn1260, 2022-9-22

Scans Setup

	Area Scan	Zoom Scan	
Grid Extents [mm]	36.0 x 45.0	22.0 x 22.0 x 22.0	
Grid Steps [mm]	6.0 x 7.5	3.0 x 3.0 x 1.4	
Sensor Surface [mm]	3.0	1.4	

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-4	2022-12-4
psSAR1g [W/kg]	23.6	26.6
psSAR8g [W/kg]	5.69	5.95
psSAR10g [W/kg]	4.72	4.88
psPDab (4.0cm2, sq) [W/m2]		119
Power Drift [dB]	0.03	0.04
M2/M1 [%]		50.9
Dist 3dB Peak [mm]		4.7



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15 PD SYSTEM CHECK RESULTS

Report No.: TESA2210000419EN

Measurement Report for FRONT, Validation band,

CW, Channel 10000 (10000.0 MHz), SN:1021

Exposure Conditions

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

Hardware Setup

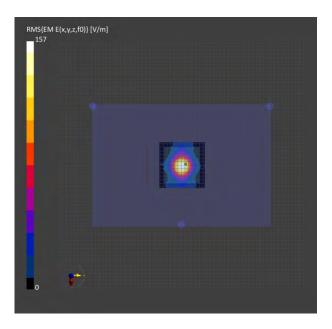
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV4 - SN9635_F1-55GHz, 2022-06-14	DAE4 Sn1260, 2022-9-22

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2022-12-05
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	52.5
psPDtot+ [W/m²]	52.7
psPDmod+ [W/m²]	52.8
E _{max} [V/m]	157
Power Drift [dB]	0.03



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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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