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# RF Exposure report





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

Wireless module installed in Notebook Computer **EUT Description** 

**Brand Name** 

MT7922A22M Model No.

**TPN-W167 Host Model Number:** 

HP Inc. **Applicant** 

3390 East Harmony Road, Fort Collins, United States,

80528

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

**FCC ID** B94-MT7922A22MB

Date of EUT Receipt Nov. 15, 2024

Date of Test(s) Nov. 20, 2024 ~ Dec. 19, 2024

Date of Issue Jan. 09, 2025

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

### Remarks:

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

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### Signed on behalf of SGS

Clerk / Cindy Chou	PM / Kiki Lin	Approved By / John Yeh
Cindy Chou	Ziki Lin	John Teh
		Date: Jan. 09, 2025

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# **Revision History**

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2411000781ES	00	Initial creation of document	Jan. 03, 2025	Cindy Chou	
TESA2411000781ES	01	Add NB power	Jan. 09, 2025	Cindy Chou	*

NI	$\Delta$	•

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

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# **GENERAL INFORMATION**

### 1.1 Test Methodology

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

IEEE/ANSI C95.1-1992

IEEE 1528-2013

KDB447498D01v06

KDB865664D01v01r04

KDB865664D02v01r02

KDB616217D04v01r02

KDB248227D01v02r01

IEC/IEEE 62209-1528:2020

SPEAG DASY6 System Handbook

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

IEC TR 63170:2018

IEC 62479:2010

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# **Description of EUT**

EUT Description	Wireless module installed in	Wireless module installed in Notebook Computer				
Brand Name	HP					
Model No.	MT7922A22M	MT7922A22M				
FCC ID	B94-MT7922A22MB					
Host Model Number:	TPN-W167					
Duty Cycle	WLAN802.11	Please refer to section 7				
Duty Cycle	Bluetooth	Please refer to section 7				
	802.11 b/g/n/ac/ax	2.4GHz (2400.0 – 2483.5 MHz)				
Supported radios (TX	802.11a/n/ac/ax	5.2GHz (5150.0 –5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz) 5.9GHz (5850.0 – 5895.0 MHz)				
Frequency Range, MHz)	802.11ax	6.2GHz (5925.0 – 6425.0 MHz) 6.5GHz (6425.0 – 6525.0 MHz) 6.7GHz (6525.0 – 6875.0 MHz) 7.0GHz (6875.0 – 7125.0 MHz)				
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)				

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### Maximum value

### Vendor 2

Summary of Maximum SAR and Power Density Value					
	Highest SAR 1g	Highest APD	Highest PD		
Mode	(W/kg)	(W/m^2)	(W/m^2)		
Bluetooth(GFSK)	0.3	N/A	N/A		
2.4G WLAN	0.43	N/A	N/A		
5G WLAN	0.3	N/A	N/A		
6G WLAN	0.13	0.75	3.37		

### Vendor 1

Summary of Maximum SAR and Power Density Value							
Mode	Highest SAR 1g	Highest APD	Highest PD				
Mode	(W/kg)	(W/m^2)	(W/m^2)				
Bluetooth(GFSK)	0.29	N/A	N/A				
2.4G WLAN	0.55	N/A	N/A				
5G WLAN	0.43	N/A	N/A				
6G WLAN	0.43	2.99	2.94				

#### **Antenna Information** 1.4

Vendor		Vendor1								
Antenna					T	x1				
Part Number		025.902IE.0001 81EAB615.G54								
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	2.50	1.81	1.03	0.98	0.98	1.01	1.47	1.05	0.36	0.58
Antenna		Tx2								
Part Number		025.902ID.0001 81EAB615.G55								
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	1.87	1.87         1.80         1.20         0.92         1.76         1.92         1.70         1.46         0.75         0.97								
Note: Antenna infor	Note: Antenna information is provided by the applicant.									

Vendor		Vendor2								
Antenna					T	x1				
Part Number		025.902IC.0001 (00-2602919400)								
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	1.86	0.56	1.79	1.14	1.12	0.36	1.26	0.10	-0.62	-1.09
Antenna		Tx2								
Part Number		025.902lB.0001 (00-2602919300)								
Frequency(MHz)	2400~2500	5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	5925~6425	6425~6525	6525~6875	6875~7125
Gain (dBi)	2.69	2.69 2.19 2.48 1.21 0.24 -1.23 -0.24 -1.08 -1.52 -1.80								
Note: Antenna infor	lote: Antenna information is provided by the applicant.									

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# **MEASUREMENT SYSTEM**

#### 2.1 **Test Facility**

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier	
	1F, No. 8, Alley 15, Lane 120,	SAR 2			
	Sec. 1, NeiHu Road, Neihu District, Taipei City, 11493,	SAR 6	TW0029		
000 Tai 141	Taiwan.	SAR 8		TW3702	
SGS Taiwan Ltd. Central RF Lab.	No. 2, Keji 1st Rd., Guishan	SAR 1	TWOOO		
(TAF code 3702)	Township, Taoyuan County, 33383, Taiwan	SAR 4	TW0028		
	No.134, Wu Kung Road, New Taipei Industrial Park,	SAR 3	TM0007		
	Wuku District, New Taipei City, Taiwan	SAR 7	TW0027		

Note: Test site name is remarked on a bolded mark as an indication where measurements occurred in specific test site and address.

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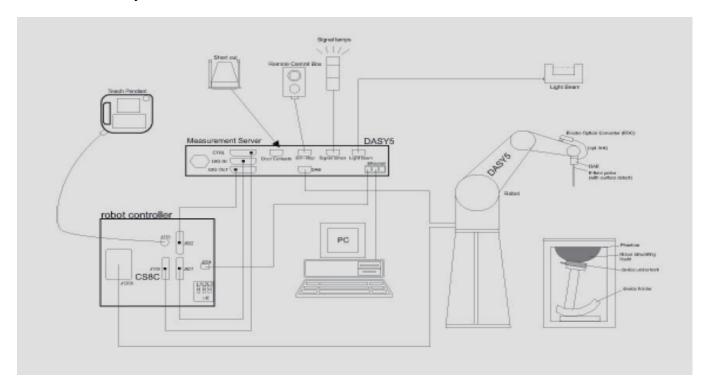


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# **SAR System**

# **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=  $\sigma$  ( $|Ei|^2$ )/  $\rho$  where  $\sigma$  and  $\rho$  are the conductivity and mass density of the tissue-simulant.



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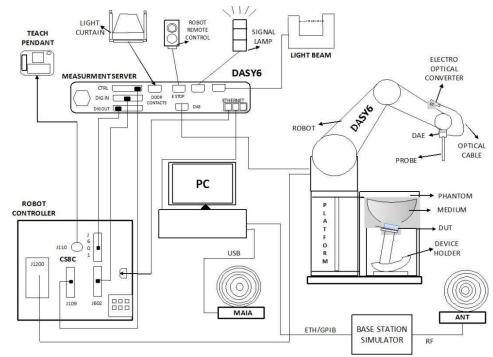
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# **Block Diagram (DASY6)**

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	
Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 2450/5250/5600/5750/5850/6500/7000 MHz Additional CF for other liquids and frequencies upon request
Frequency	10 MHz to > 6 GHz
Directivity	± 0.3 dB in HSL (rotation around probe axis)
	± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic	10 $\mu$ W/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)

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

### **DEVICE HOLDER**

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

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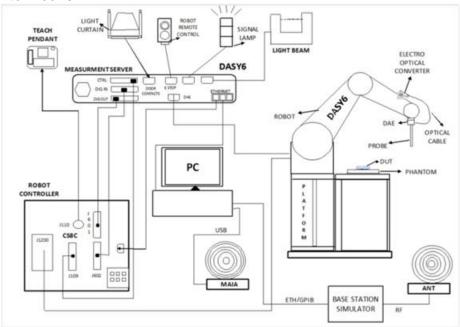


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# 2.3 PD system

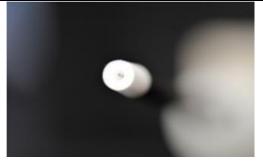
# **Block Diagram (DASY6)**

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



# **EUmmWVx** probe

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



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

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

Frequency Range

750 MHz - 110 GHz

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Dynamic Range	< 20 V/m – 10,000 V/m with PRE-10 (min <
bynamic Kange	
	50 V/m - 3000 V/m)
Position Precision	< 0.2 mm (DASY6)
Dimensions	Overall length: 337 mm (tip: 20 mm)
	Tip diameter: encapsulation 8 mm
	(internal sensor < 1mm)
	Distance from probe tip to dipole centers:
	< 2 mm. Sensor displacement to probe's
	calibration point: < 0.3 mm
Applications	E-field measurements of 5G devices and
	other mm-wave transmitters operating
	above 10GHz in < 2 mm distance from
	device (free-space).Power density, H-field
	and far-field analysis using total field
	reconstruction (cDASY6 5G module
	required)
sensor—	required)
2	
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  $\delta$  )  $\leq$  0.05 and a relative permittivity ( $\epsilon r$ )  $\leq$  1.2. High-performance RF absorbers are placed below the foam.

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# SAR SYSTEM VERIFICATION

# **Tissue Simulating Liquid**

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

#### 3.2 **Tissue Simulant Liquid measurement**

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

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

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# 3.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% devεr	% dev σ	Limit	Measurement Date
2402	39.296	1.758	39.248	1.736	-0.12%	-1.27%	± 5%	
2412	39.276	1.767	39.181	1.740	-0.24%	-1.53%	± 5%	
2437	39.226	1.789	39.172	1.762	-0.14%	-1.49%	± 5%	
2441	39.218	1.792	39.147	1.770	-0.18%	-1.24%	± 5%	Dec. 15, 2024
2450	39.200	1.800	39.117	1.775	-0.21%	-1.39%	± 5%	
2462	39.184	1.813	39.016	1.794	-0.43%	-1.04%	± 5%	
2480	39.160	1.832	38.966	1.800	-0.50%	-1.75%	± 5%	
5190	36.010	4.650	35.890	4.688	-0.33%	0.83%	± 5%	
5210	35.990	4.670	35.880	4.714	-0.31%	0.94%	± 5%	
5230	35.970	4.690	35.823	4.732	-0.41%	0.90%	± 5%	
5250	35.950	4.710	35.787	4.761	-0.45%	1.08%	± 5%	Dec. 16, 2024
5270	35.930	4.730	35.766	4.778	-0.46%	1.01%	± 5%	
5290	35.910	4.750	35.712	4.791	-0.55%	0.86%	± 5%	
5310	35.890	4.770	35.684	4.808	-0.57%	0.80%	± 5%	
5530	35.605	4.997	35.470	5.050	-0.38%	1.07%	± 5%	
5600	35.500	5.070	35.424	5.125	-0.21%	1.08%	± 5%	
5610	35.490	5.080	35.360	5.137	-0.37%	1.12%	± 5%	
5670	35.430	5.140	35.332	5.192	-0.28%	1.01%	± 5%	
5690	35.410	5.160	35.322	5.218	-0.25%	1.12%	± 5%	D 47 0004
5710	35.390	5.180	35.265	5.231	-0.35%	0.98%	± 5%	Dec. 17, 2024
5745	35.355	5.215	35.264	5.272	-0.26%	1.09%	± 5%	
5750	35.350	5.220	35.244	5.280	-0.30%	1.15%	± 5%	
5775	35.325	5.245	35.204	5.301	-0.34%	1.07%	± 5%	
5785	35.315	5.255	35.176	5.311	-0.39%	1.07%	± 5%	
5825	35.275	5.296	35.174	5.354	-0.29%	1.09%	± 5%	
5835	35.265	5.307	35.164	5.378	-0.29%	1.34%	± 5%	
5850	35.250	5.323	35.150	5.385	-0.28%	1.17%	± 5%	
5855	35.245	5.328	35.142	5.402	-0.29%	1.39%	± 5%	
5875	35.225	5.349	35.015	5.410	-0.60%	1.15%	± 5%	
6025	35.070	5.510	34.986	5.571	-0.24%	1.12%	± 5%	
6185	34.878	5.698	34.808	5.735	-0.20%	0.64%	± 5%	Dec 40 2024
6345	34.686	5.887	34.608	5.915	-0.22%	0.47%	± 5%	Dec. 18, 2024
6500	34.500	6.070	34.413	6.080	-0.25%	0.16%	± 5%	
6505	34.494	6.076	34.316	6.086	-0.52%	0.17%	± 5%	
6665	34.302	6.261	34.149	6.262	-0.45%	0.01%	± 5%	
6825	34.110	6.447	33.884	6.435	-0.66%	-0.19%	± 5%	
6985	33.918	6.633	33.823	6.617	-0.28%	-0.24%	± 5%	
7000	33.900	6.650	33.721	6.625	-0.53%	-0.38%	± 5%	

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# The composition of the tissue simulating liquid:

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

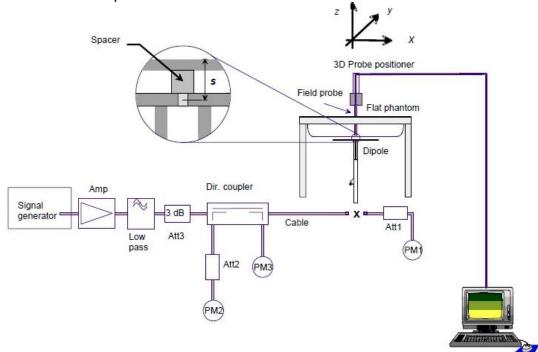
Broad-band head tissue simulating	SPEAG Product	Frequency range (MHz)	Main Ingredients
liquids	HBBL600- 10000V6	600 - 10000	Water, Oil

#### 3.5 System check

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

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

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	52.7	13.4	53.6	1.71	± 10%	Dec.15,2024
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D5GHzV2	1023	5250	78.8	8.02	80.2	1.78	± 10%	Dec.16,2024
D5GHzV2	1023	5600	81.3	8.16	81.6	0.37	± 10%	Dec.17,2024
D5GHzV2	1023	5750	78	7.82	78.2	0.26	± 10%	Dec.17,2024
D5GHzV2	1023	5850	78.6	8.36	83.6	6.36	± 10%	Dec.18,2024
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D6.5GHzV2	1006	6500	297	29.8	298	0.34	± 10%	Dec.18,2024
D7GHzV2	1007	7000	286	26.4	264	-7.69	± 10%	Dec.18,2024

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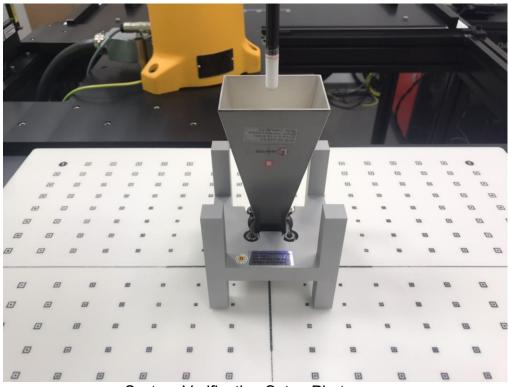
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### PD SYSTEM VERIFICATION

#### 4.1 System check

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

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



System Verification Setup Photo

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# 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	9399	1751	10	93.3	55.4	56.2	-0.06	Dec.19,2024

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### 5 TEST CONFIGURATIONS

### 5.1 Test Environment

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

### 5.2 Test Note

- **General:** Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s).
- **General:** The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
- **General:** During the SAR testing, the DASY system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
- **General:** According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is  $\leq$  0.8 W/kg, when the transmission band is  $\leq$  100 MHz.
- **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is  $\geq 0.8$  W/kg, repeated that measurement once. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is  $\geq 1.20$  or when the original or repeated measurement is  $\geq 1.45$  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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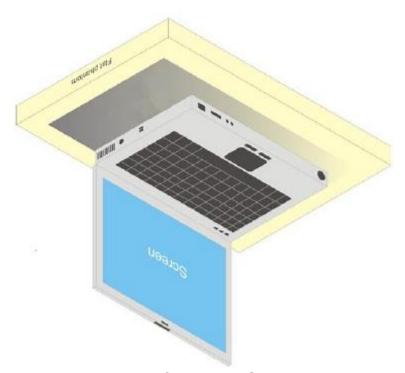


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### **Test position**

# Laptop mode SAR test position (0mm)

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



**Illustration for Laptop Setup** 

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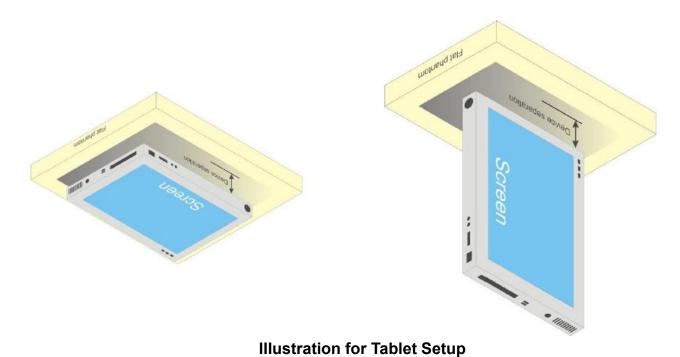
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# Tablet mode SAR test position (0mm)

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



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### 5.4 Power verification of device mode

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

### Results and conclusion

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

Device mode verification by power measurement

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Antenna	Operation mode	Lid angle 0°	802.11b N/A	802.11g N/A	802.11n(40M) 5.2G N/A	802.11ac(80M) 5.2G N/A	802.11n(40M) 5.3G N/A	802.11ac(80M) 5.3G N/A	802.11n(40M) 5.6G N/A	802.11ac(80M) 5.6G N/A	802.11a 5.8G N/A	802.11ac(80M) 5.8G N/A	802.11n(40M) 5.9G N/A	802.11ac(80M) 5.9G N/A
	Lid close	10° 20°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
	Laptop	30° 25° 26°	17.78 N/A N/A	19.39 N/A N/A	19.71 N/A N/A	13.89 N/A N/A	19.30 N/A N/A	14.26 N/A N/A	19.20 N/A N/A	18.60 N/A N/A	19.25 N/A N/A	17.19 N/A N/A	19.35 N/A N/A	18.61 N/A N/A
	Lid close	27° 28°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
		29° 30°	N/A 17.73	N/A 19.21	N/A 19.73	N/A 13.91	N/A 19.37	N/A 14.19	N/A 19.11	N/A 18.77	N/A 19.44	N/A 17.13	N/A 19.34	N/A 18.89
		31° 32°	17.90 17.86	19.42 19.15	19.73 19.82	13.94 13.82	19.20 19.17	14.33 14.06	19.30 19.14	18.95 18.78	19.37 19.29	17.25 17.39	19.30 19.45	18.68 18.58
		33° 34° 35°	17.91 17.72 17.56	19.09 19.41 19.40	19.81 19.76 19.88	13.90 13.82 13.62	19.11 19.09 19.11	14.26 14.22 14.06	19.07 19.35 19.28	18.86 18.61 18.78	19.25 19.33 19.32	17.06 17.24 17.17	19.05 19.32 19.12	18.69 18.64 18.62
	Laptop	45° 55°	17.68 17.56	19.13 19.14	19.87 19.84	13.77	19.24 19.40	14.39 14.26	19.18 19.22	18.73 18.79	19.22 19.24	17.37 17.26	19.09 19.21	18.71 18.80
		65° 75°	17.70 17.73	19.13 19.41	19.77 19.91	13.94 13.67	19.06 19.30	14.18 14.27	19.41 19.05	18.92 18.93	19.21 19.08	17.38 17.32	19.37 19.40	18.86 18.82
		85° 95°	17.77 17.56	19.26 19.31	19.90 19.91	13.94 13.80	19.16 19.11	14.06 14.29	19.10 19.18	18.83 18.84	19.25 19.13	17.20 17.37	19.34 19.32	18.78 18.76
		105° 115° 125°	17.61 17.86 17.59	19.10 19.35 19.44	19.70 19.82 19.88	13.76 13.71 13.84	19.20 19.08 19.35	14.43 14.41 14.37	19.05 19.06 19.28	18.81 18.67 18.64	19.42 19.30 19.33	17.24 17.43 17.17	19.06 19.40 19.29	18.81 18.92 18.90
	Tablet	135° 130°	15.06 15.24	15.36 15.06	13.17 13.13	13.12 13.15	13.14 13.15	13.25 13.36	13.42 13.32	13.41 13.15	13.14 13.40	13.38 13.28	13.10 13.25	13.27 13.32
		125° 126°	17.60 17.57	19.06 19.31	19.60 19.69	13.70 13.65	19.44 19.38	14.41 14.31	19.24 19.16	18.80 18.79	19.12 19.10	17.32 17.37	19.34 19.14	18.74 18.68
	Laptop	127° 128°	17.80 17.56	19.23 19.15 19.23	19.60 19.88	13.82 13.58	19.26 19.15	14.40 14.07 14.23	19.16 19.29	18.67 18.90 18.83	19.39 19.16	17.05 17.39 17.13	19.42 19.21	18.92 18.92
		129° 130° 131°	17.74 15.18 15.27	15.13 15.15	19.83 13.25 13.13	13.55 13.22 13.19	19.44 13.20 13.37	13.23 13.10	19.32 13.23 13.43	13.14 13.33	19.06 13.13 13.14	17.13 13.28 13.08	19.06 13.37 13.28	18.71 13.23 13.26
		132° 133°	15.33 15.35	15.35 15.07	13.41 13.11	13.18 13.37	13.24 13.18	13.37 13.26	13.15 13.43	13.29 13.23	13.43 13.17	13.13 13.37	13.27 13.37	13.17 13.38
		134° 135°	15.34 15.23	15.20 15.32	13.31 13.28	13.13 13.20	13.27 13.08	13.27 13.12	13.07 13.41	13.41 13.17	13.13 13.21	13.06 13.16	13.17 13.09	13.20 13.26
		145° 155° 165°	15.23 15.27 15.16	15.07 15.34 15.22	13.28 13.29 13.24	13.24 13.08 13.06	13.16 13.06 13.16	13.20 13.14 13.07	13.29 13.41 13.29	13.23 13.42 13.37	13.35 13.31 13.13	13.20 13.09 13.13	13.32 13.10 13.14	13.12 13.09 13.34
		175° 185°	15.16 15.09 15.26	15.22 15.15 15.20	13.39 13.31	13.13 13.24	13.43 13.08	13.43 13.07	13.35 13.40	13.37 13.31 13.34	13.13 13.38 13.18	13.13 13.06 13.43	13.14 13.16 13.41	13.34 13.32 13.11
		195° 205°	15.42 15.31	15.31 15.40	13.24 13.30	13.07 13.28	13.30 13.23	13.39 13.42	13.42 13.20	13.41 13.40	13.11 13.22	13.40 13.27	13.16 13.27	13.44 13.42
	Tablet	215° 225° 235°	15.10 15.24 15.19	15.21 15.41 15.15	13.28 13.44 13.15	13.33 13.30 13.13	13.40 13.23 13.37	13.38 13.12 13.06	13.28 13.25 13.18	13.16 13.31 13.12	13.40 13.10 13.38	13.05 13.21 13.16	13.27 13.29 13.45	13.11 13.43 13.39
		235° 245° 255°	15.19 15.22 15.13	15.15 15.34 15.21	13.15 13.28 13.13	13.13 13.25 13.16	13.37 13.12 13.36	13.06 13.09 13.15	13.18 13.26 13.28	13.12 13.34 13.24	13.38 13.33 13.11	13.16 13.09 13.33	13.45 13.39 13.33	13.39 13.30 13.11
		265° 275°	15.23 15.37	15.38 15.25	13.44 13.39	13.25 13.30	13.22 13.30	13.10 13.25	13.37 13.05	13.21 13.15	13.07 13.09	13.42 13.17	13.27 13.22	13.32 13.36
1	1	285° 295°	15.31 15.38	15.19 15.20	13.15 13.29	13.40 13.27	13.27 13.07	13.20 13.20	13.16 13.10	13.05 13.35	13.28 13.12	13.14 13.36	13.41 13.12	13.44 13.36
		305° 315° 325°	15.43 15.32 15.38	15.17 15.08 15.08	13.16 13.23 13.14	13.13 13.29 13.06	13.22 13.27 13.14	13.13 13.30 13.36	13.38 13.11 13.22	13.43 13.21 13.19	13.30 13.35 13.07	13.12 13.36 13.42	13.16 13.17 13.29	13.42 13.42 13.44
		335° 345°	15.12 15.35	15.43 15.20	13.23	13.05 13.12	13.10 13.41	13.16 13.12	13.16 13.22	13.44 13.26	13.13 13.06	13.15 13.18	13.38 13.42	13.27 13.45
		355° 360°	15.21 15.18	15.11 15.22	13.30 13.39	13.35 13.26	13.36 13.15	13.35 13.25	13.20 13.14	13.43 13.35	13.42 13.23	13.31 13.18	13.39 13.13	13.45 13.29
		350° 340°	15.06 15.18	15.15 15.33	13.43 13.42	13.25 13.09	13.07 13.12	13.39 13.39	13.38 13.26	13.06 13.38	13.38 13.10	13.15 13.25	13.32 13.20	13.18 13.25
		330° 320° 310°	15.10 15.24 15.28	15.06 15.16 15.40	13.08 13.12 13.45	13.23 13.10 13.44	13.14 13.18 13.14	13.31 13.28 13.39	13.42 13.43 13.30	13.27 13.21 13.17	13.42 13.20 13.29	13.17 13.10 13.37	13.26 13.41 13.26	13.05 13.08 13.26
		300° 290°	15.44 15.10	15.26 15.28	13.06 13.17	13.31 13.13	13.06 13.22	13.33 13.36	13.29 13.23	13.42 13.29	13.38 13.32	13.16 13.11	13.30 13.44	13.27 13.39
		280° 270°	15.37 15.34	15.32 15.29	13.34 13.07	13.38 13.41	13.43 13.26	13.42 13.31	13.07 13.41	13.37 13.25	13.08 13.08	13.24 13.16	13.40 13.26	13.36 13.25
Tx1	Tablet	260° 250° 240°	15.07 15.12 15.32	15.40 15.31 15.44	13.35 13.23 13.18	13.41 13.26 13.43	13.16 13.42 13.41	13.40 13.20 13.39	13.11 13.12 13.07	13.24 13.38 13.07	13.43 13.07 13.25	13.43 13.09 13.27	13.23 13.44 13.19	13.17 13.09 13.28
	Tablet	230° 220°	15.28 15.09	15.24 15.29	13.19	13.16 13.24	13.41	13.21	13.06 13.36	13.43	13.07 13.40	13.13	13.28 13.06	13.14 13.21
		210° 200°	15.23 15.13	15.45 15.36	13.29 13.29	13.38 13.20	13.42 13.20	13.41 13.16	13.21 13.44	13.20 13.06	13.13 13.25	13.39 13.21	13.05 13.13	13.44 13.39
		190° 180° 170°	15.09 15.21 15.12	15.22 15.41 15.19	13.31 13.31 13.25	13.13 13.45 13.34	13.29 13.27 13.12	13.20 13.43 13.24	13.10 13.16 13.36	13.26 13.12 13.13	13.20 13.36 13.32	13.21 13.32 13.11	13.14 13.15 13.12	13.24 13.35 13.34
		160°	15.45 15.27	15.19 15.06 15.13	13.40 13.20	13.20 13.35	13.19 13.05	13.19 13.38	13.35 13.37	13.19 13.22	13.27 13.14	13.09	13.17 13.17	13.13 13.23
		140° 130°	15.29 15.15	15.27 15.08	13.38 13.37	13.14 13.21	13.32 13.45	13.05 13.32	13.37 13.23	13.35 13.29	13.20 13.14	13.14 13.34	13.36 13.34	13.17 13.08
	Laptop	120° 125°	17.84 17.83	19.24 19.28	19.68 19.84	13.75 13.78	19.37 19.30	14.34 14.21	19.41 19.44	18.80 18.59	19.22 19.20	17.31 17.40	19.20 19.35	18.63 18.77
	Tablet	130° 129°	15.33 17.82	15.22 19.28	13.06 19.72	13.27 13.69	13.18 19.33	13.43 14.22	13.43 19.10	13.39 18.91	13.42 19.39	13.13 17.25	13.33 19.36	13.33 18.66
		128° 127° 126°	17.74 17.89 17.64	19.21 19.30 19.45	19.87 19.67 19.70	13.93 13.64 13.57	19.43 19.15 19.33	14.41 14.11 14.23	19.32 19.06 19.09	18.75 18.91 18.87	19.45 19.41 19.35	17.28 17.18 17.23	19.06 19.10 19.30	18.69 18.81 18.74
		125° 115°	17.89 17.56	19.44 19.08	19.71 19.68	13.94 13.65	19.42 19.14	14.13 14.23	19.24 19.45	18.69 18.82	19.33 19.07	17.06 17.23	19.11 19.23	18.59 18.81
	Laptop	105° 95°	17.85 17.75	19.15 19.14	19.93 19.73	13.77 13.89	19.12 19.21	14.41 14.21	19.15 19.38	18.56 18.92	19.07 19.15	17.21 17.12	19.37 19.22	18.56 18.81
		85° 75°	17.89 17.81	19.37 19.17	19.65 19.59	13.76 13.76	19.40 19.23	14.44 14.25	19.28 19.26	18.77 18.75	19.36 19.11	17.16 17.15	19.30 19.38	18.81 18.72
		65° 55°	17.82 17.55	19.30 19.25	19.60 19.63	13.65 13.67	19.21 19.14	14.08 14.35	19.26 19.20	18.87 18.69	19.11 19.17	17.12 17.42	19.11 19.38	18.72 18.73
	Lid close	45° 35° 25°	17.82 17.67 N/A	19.32 19.17 N/A	19.71 19.81 N/A	13.87 13.78 N/A	19.42 19.29 N/A	14.38 14.18 N/A	19.33 19.22 N/A	18.70 18.66 N/A	19.40 19.40 N/A	17.13 17.16 N/A	19.39 19.29 N/A	18.61 18.59 N/A
	Laptop	30° 29°	17.87 N/A	19.11 N/A	19.79 N/A	13.77 N/A	19.43 N/A	14.29 N/A	19.32 N/A	18.77 N/A	19.08 N/A	17.30 N/A	19.18 N/A	18.86 N/A
		28° 27° 26°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
1	Lid close	25°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
		15° 5° 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	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
		200° 210°	17.62 17.73	19.28 19.14	19.77 19.55	13.56 13.85	19.32 19.30	14.44 14.44	19.18 19.22	18.61 18.60	19.31 19.33	17.20 17.30	19.24 19.05	18.83 18.66
		220° 230°	17.87 17.62	19.43 19.08	19.78 19.86	13.92 13.78	19.23 19.09	14.42 14.19	19.12 19.38	18.56 18.88	19.41 19.35	17.39 17.39	19.26 19.08	18.77 18.82
	Stand mode	240° 250°	17.65 17.67	19.39 19.19	19.94 19.83	13.84 13.93	19.34 19.07	14.23 14.34	19.43 19.12	18.75 18.61	19.38 19.35	17.43 17.32	19.22 19.27	18.68 18.63
	(screen orientation is 0°)	260° 270° 280°	17.68 17.76 17.69	19.20 19.15 19.33	19.90 19.62 19.59	13.57 13.57 13.88	19.30 19.45 19.23	14.36 14.30 14.21	19.23 19.08 19.44	18.86 18.75 18.57	19.38 19.26 19.19	17.38 17.21 17.18	19.07 19.25 19.15	18.86 18.86 18.71
		290° 300°	17.62 17.92	19.28 19.11	19.93 19.73	13.76 13.55	19.20 19.18	14.23 14.27	19.28 19.21	18.58 18.83	19.09 19.07	17.44 17.37	19.31 19.36	18.63 18.73
		310° 320°	17.69 17.61	19.06 19.23	19.80 19.78	13.66 13.71	19.08 19.28	14.30 14.30	19.15 19.44	18.82 18.83	19.43 19.20	17.33 17.25	19.21 19.38	18.82 18.83
		330° 340° 350°	17.95 17.88 15.21	19.10 19.25 15.11	19.91 19.84 13.39	13.91 13.69 13.38	19.13 19.32 13.29	14.28 14.24 13.32	19.38 19.43 13.35	18.64 18.64 13.18	19.13 19.37 13.20	17.36 17.27 13.18	19.44 19.21 13.07	18.70 18.55 13.21
	Tablet Stand mode	345°	15.31	15.11 15.05	13.29	13.32	13.29 13.28	13.43	13.18	13.36	13.34	13.36	13.27	13.36
	(screen orientation is 0°)	340°	17.81	19.23	19.87	13.73	19.12	14.15	19.16	18.55	19.16	17.40	19.25	18.63
		341° 342°	15.15 15.08	15.21 15.29	13.38 13.34	13.14	13.39 13.25	13.32 13.17	13.29 13.44	13.40 13.38	13.41 13.10	13.31 13.16 13.37	13.15 13.29	13.36 13.35
	Tablet	343° 344° 345°	15.22 15.13 15.30	15.23 15.06 15.08	13.36 13.30 13.15	13.36 13.12 13.18	13.11 13.37 13.27	13.30 13.28 13.13	13.11 13.21 13.41	13.12 13.31 13.35	13.32 13.29 13.41	13.20 13.42	13.34 13.08 13.35	13.20 13.21 13.35
		355° 360°	15.31 15.31	15.24 15.32	13.14 13.11	13.19 13.13	13.30 13.44	13.11 13.45	13.07 13.39	13.19 13.33	13.25 13.14	13.21 13.36	13.35 13.06	13.22 13.41
	Stand mode (screen orientation	350° 340°	15.30 17.63	15.37	13.15	13.07	13.16	13.34	13.10	13.15	13.26	13.41	13.36	13.22 18.75
	(screen orientation is 0°)	34U°	17.03	19.09	10.94	13.90	19.07	14.00	19.14	10.08	10.23	17.39	19.32	10.75

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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	1	345°	15.26	15.12	13.32	13.38	13.36	13.44	13.17	13.36	13.06	13.14	13.19	13.21
	Tablet	344° 343°	15.36 15.11	15.35 15.28	13.15 13.44	13.20 13.18	13.13 13.20	13.28 13.32	13.05 13.20	13.15 13.38	13.26 13.11	13.20 13.19	13.41 13.33	13.24 13.37
		342°	15.33	15.09	13.31	13.34	13.44	13.10	13.22	13.16	13.25	13.37	13.06	13.16
		341° 340°	15.06 17.69	15.17 19.30	13.34 19.90	13.30 13.61	13.06 19.28	13.22 14.42	13.17 19.31	13.19 18.61	13.24 19.08	13.28 17.22	13.30 19.33	13.08 18.79
		339°	17.64	19.25	19.79	13.70	19.06	14.14	19.20	18.72	19.25	17.28	19.40	18.73
		338° 337°	17.58 17.80	19.34 19.28	19.70 19.60	13.78 13.62	19.37 19.12	14.29 14.14	19.26 19.12	18.83 18.87	19.05 19.25	17.17 17.28	19.12 19.32	18.79 18.91
		336° 335°	17.63 17.68	19.25 19.32	19.59 19.87	13.71 13.75	19.19 19.36	14.34	19.21	18.75 18.64	19.20 19.14	17.07	19.28 19.35	18.74
		325° 315°	17.61 17.60	19.05 19.42	19.74 19.58	13.79 13.63	19.21 19.42	14.07 14.23 14.22	19.23 19.10 19.08	18.94 18.92	19.20 19.38	17.15 17.39 17.33	19.20 19.36	18.72 18.89 18.65
	Stand mode	305°	17.80	19.10	19.72	13.69	19.09	14.41	19.32	18.89	19.43	17.41	19.40	18.55
	(screen orientation is 0°)	295° 285°	17.64 17.82	19.27 19.16	19.61 19.57	13.69 13.91	19.08 19.29	14.11	19.07 19.37	18.83 18.83	19.34 19.27	17.38 17.36	19.25 19.23	18.62 18.72
	150)	275° 265°	17.75 17.77	19.23 19.21	19.57 19.75	13.87 13.70	19.27 19.15	14.22 14.41	19.11 19.31	18.71 18.61	19.14 19.35	17.09 17.19	19.07 19.34	18.75 18.85
		255°	17.76	19.19	19.78	13.60	19.13	14.09	19.13	18.90	19.09	17.06	19.08	18.64
		245° 235°	17.68 17.90	19.08 19.31	19.82 19.74	13.62 13.84	19.32 19.30	14.05 14.33	19.09 19.30	18.78 18.66	19.32 19.37	17.07 17.38	19.36 19.19	18.87 18.71
		225°	17.87 17.79	19.28 19.41	19.76 19.87	13.83 13.79	19.17 19.42	14.09 14.16	19.12 19.21	18.58 18.65	19.12 19.44	17.13 17.22	19.44 19.26	18.79 18.75
		215° 205°	17.79	19.05	19.70	13.79	19.44	14.38	19.26	18.59	19.44	17.26	19.26	18.63
		200° 200°	17.93 15.35	19.31 15.11	19.80 13.12	13.93 13.14	19.17 13.22	14.44 13.12	19.21 13.25	18.94 13.32	19.24 13.06	17.09 13.38	19.18 13.37	18.59 13.13
		210°	15.16	15.28	13.45	13.06	13.22	13.35	13.35	13.20	13.12	13.39	13.05	13.20
		220° 230°	15.30 15.37	15.33 15.33	13.16 13.17	13.44 13.12	13.21 13.44	13.19 13.17	13.32 13.31	13.45 13.26	13.31 13.25	13.45 13.20	13.22 13.24	13.14 13.40
		240° 250°	15.20 15.31	15.30 15.32	13.23 13.19	13.36 13.43	13.28 13.06	13.40 13.45	13.38 13.44	13.37 13.34	13.16 13.38	13.11	13.19 13.33	13.18 13.23
	Tent mode (screen orientation	260°	15.16	15.27	13.42	13.24	13.37	13.25	13.37	13.31	13.29	13.15	13.09	13.09
	is 180°)	270° 280°	15.13 15.25	15.33 15.23	13.10 13.39	13.19 13.32	13.35 13.16	13.14 13.34	13.20 13.29	13.41 13.24	13.37 13.15	13.10 13.36	13.15 13.32	13.21 13.24
		290° 300°	15.43 15.44	15.43 15.39	13.15 13.44	13.45 13.13	13.43 13.33	13.27 13.41	13.36 13.11	13.26 13.11	13.10 13.33	13.28 13.20	13.22 13.30	13.29 13.39
		310°	15.13	15.33	13.11	13.07	13.35	13.41	13.15	13.33	13.44	13.19	13.24	13.15
		320° 330°	15.40 15.30	15.18 15.37	13.26 13.29	13.10 13.31	13.15 13.39	13.37 13.37	13.19 13.32	13.45 13.23	13.06 13.12	13.33 13.08	13.41 13.21	13.43 13.14
	<b>—</b>	340° 350°	15.38 15.15	15.37 15.34	13.31	13.44 13.25	13.11 13.19	13.15 13.29	13.07 13.15	13.13 13.40	13.43 13.41	13.21 13.16	13.16 13.43	13.22
	Tablet	345°	15.33	15.35	13.38	13.26	13.10	13.07	13.15	13.14	13.18	13.16	13.43	13.18
	Tent mode (screen orientation	340°	15.28	15.12	13.21	13.37	13.07	13.14	13.39	13.13	13.29	13.42	13.12	13.20
	is 180°)													
		341° 342°	15.45 15.45	15.09 15.15	13.19 13.38	13.18 13.32	13.17 13.06	13.11	13.17 13.34	13.45 13.32	13.36 13.45	13.19 13.07	13.12 13.09	13.36 13.38
	Tablet	343° 344°	15.14 15.31	15.29 15.45	13.16 13.25	13.32 13.29	13.07 13.34	13.19 13.42	13.05 13.43	13.08 13.24	13.38 13.40	13.38 13.15	13.06 13.34	13.27 13.16
		345° 355°	15.28 15.06	15.45 15.10 15.14	13.25 13.28 13.23	13.29 13.18 13.35	13.34 13.25 13.20	13.42 13.08 13.10	13.43 13.17 13.19	13.42 13.22	13.40 13.08 13.33	13.15	13.10 13.12	13.16 13.36 13.44
		360°	15.37	15.37	13.17	13.07	13.26	13.24	13.41	13.05	13.16	13.27	13.41	13.22
	Tablet Tent mode	350°	15.44	15.16	13.34	13.27	13.07	13.25	13.30	13.16	13.22	13.10	13.10	13.13
	(screen orientation is 180°)	340°	15.44	15.24	13.13	13.24	13.42	13.19	13.18	13.10	13.41	13.38	13.34	13.18
	,	345°	15.41	15.29	13.06	13.20	13.40	13.16	13.05	13.35	13.30	13.38	13.36	13.14
	Tablet	344° 343°	15.29 15.22	15.25 15.17	13.38 13.29	13.41 13.27	13.07 13.22	13.26 13.07	13.29 13.42	13.15 13.25	13.23 13.45	13.44 13.44	13.10 13.42	13.12 13.42
		342° 341°	15.06 15.18	15.30 15.15	13.21 13.29	13.39 13.28	13.35 13.32	13.12 13.40	13.18 13.31	13.37 13.14	13.36 13.19	13.40 13.27	13.39 13.39	13.28 13.10
		340° 339°	15.19 15.32	15.15 15.09	13.31 13.28	13.38 13.34	13.28 13.26	13.06 13.35	13.36 13.28	13.30 13.36	13.37 13.43	13.16 13.13	13.07	13.27 13.13
		338°	15.43	15.14	13.19	13.11	13.15	13.21	13.20	13.38	13.37	13.15	13.39	13.10
		337° 336°	15.07 15.17	15.38 15.37	13.38	13.16 13.23	13.30	13.16	13.27 13.41	13.36 13.44	13.22 13.17	13.11	13.31 13.29	13.25 13.41
		335° 325°	15.33 15.13	15.12 15.22	13.10 13.27	13.24 13.26	13.15 13.17	13.36 13.41	13.38 13.40	13.10 13.21	13.07 13.24	13.41 13.13	13.08 13.31	13.39 13.28
		315° 305°	15.29 15.07	15.20 15.26	13.42 13.08	13.26 13.41	13.37 13.33	13.20 13.20	13.09 13.17	13.41 13.13	13.44 13.07	13.10 13.18	13.07 13.12	13.33 13.16
	Tent mode (screen orientation	295° 285°	15.43 15.44	15.37 15.30	13.07	13.31 13.24	13.32 13.45	13.26 13.20	13.11 13.19	13.26 13.40	13.37 13.15	13.29 13.14	13.26 13.32	13.25 13.24
Tx1	is 180°)	275°	15.24	15.07	13.26	13.41	13.08	13.32	13.13	13.24	13.25	13.12	13.38	13.35
		265° 255°	15.42 15.27	15.40 15.30	13.41 13.26	13.17 13.31	13.10 13.29	13.44 13.13	13.41 13.17	13.09 13.15	13.26 13.40	13.17 13.17	13.37 13.15	13.34 13.39
		245° 235°	15.15 15.10	15.35 15.07	13.09 13.22	13.33 13.28	13.43 13.33	13.29 13.11	13.40 13.35	13.21 13.19	13.32 13.38	13.16 13.14	13.25 13.12	13.21 13.35
		225° 215°	15.44 15.07	15.37 15.11	13.10 13.15	13.40 13.23	13.37 13.36	13.27 13.25	13.14 13.14	13.11 13.25	13.11 13.22	13.34 13.42	13.12 13.37	13.39 13.14
		205° 200°	15.25 15.30	15.18 15.21	13.32 13.33	13.28 13.36	13.22 13.42	13.24 13.10	13.14 13.06	13.07 13.20	13.07 13.05	13.29	13.17 13.17	13.31 13.11
	Lid close	0° 10°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
	Liu ciose	20°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Book mode (screen orientation	30°	15.20	15.41	13.36	13.22	13.30	13.41	13.05	13.45	13.39	13.15	13.20	13.19
	is 90° or 270°)													
		25° 26°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
	Lid close	27° 28°	N/A N/A		N/A	N/A	N/A	N/A	N/A	NUM	N/A	N/A		
		29° 30°		N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A	N/A	N/A N/A	N/A N/A
			N/A	N/A N/A	N/A N/A	N/A N/A	N/A	N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A N/A	N/A N/A N/A
	1	31°	N/A 15.18 15.44	N/A N/A 15.45 15.22	N/A N/A 13.31 13.23	N/A N/A 13.17 13.36	N/A 13.18 13.42	N/A 13.33 13.25	N/A N/A 13.20 13.24	N/A N/A 13.37 13.29	N/A N/A 13.11 13.10	N/A N/A 13.27 13.43	N/A N/A N/A 13.11 13.43	N/A N/A N/A 13.41 13.16
		31° 32° 33°	N/A 15.18	N/A N/A 15.45	N/A N/A 13.31	N/A N/A 13.17	N/A 13.18	N/A 13.33	N/A N/A 13.20	N/A N/A 13.37	N/A N/A 13.11	N/A N/A 13.27	N/A N/A N/A 13.11	N/A N/A N/A 13.41
		32° 33° 34°	N/A 15.18 15.44 15.29 15.41 15.21	N/A N/A 15.45 15.22 15.30 15.16 15.36	N/A N/A 13.31 13.23 13.45 13.28 13.26	N/A N/A 13.17 13.36 13.11 13.24 13.39	N/A 13.18 13.42 13.40 13.22 13.36	N/A 13.33 13.25 13.22 13.27 13.30	N/A N/A 13.20 13.24 13.17 13.16 13.30	N/A N/A 13.37 13.29 13.29 13.24 13.11	N/A N/A 13.11 13.10 13.21 13.44 13.44	N/A N/A 13.27 13.43 13.27 13.34 13.13	N/A N/A N/A 13.11 13.43 13.41 13.43 13.42	N/A N/A N/A 13.41 13.16 13.13 13.12 13.20
		32° 33°	N/A 15.18 15.44 15.29 15.41	N/A N/A 15.45 15.22 15.30 15.16	N/A N/A 13.31 13.23 13.45 13.28	N/A N/A 13.17 13.36 13.11 13.24	N/A 13.18 13.42 13.40 13.22	N/A 13.33 13.25 13.22 13.27	N/A N/A 13.20 13.24 13.17 13.16	N/A N/A 13.37 13.29 13.29 13.24	N/A N/A 13.11 13.10 13.21 13.44	N/A N/A 13.27 13.43 13.27 13.34	N/A N/A N/A 13.11 13.43 13.41 13.43	N/A N/A N/A 13.41 13.16 13.13 13.12
		32° 33° 34° 35° 45° 55° 65°	N/A 15.18 15.44 15.29 15.41 15.21 15.42 15.08 15.19	N/A N/A 15. 45 15. 22 15. 30 15. 16 15. 36 15. 20 15. 27 15. 06	N/A N/A 13.31 13.23 13.45 13.28 13.28 13.26 13.34 13.21 13.43	N/A N/A 13.17 13.36 13.11 13.24 13.39 13.36 13.36 13.15 13.28	N/A 13.18 13.42 13.40 13.22 13.36 13.20 13.32 13.06 13.24	N/A 13.33 13.25 13.22 13.27 13.30 13.39 13.30 13.25 13.31	N/A N/A 13.20 13.24 13.17 13.16 13.30 13.09 13.09 13.13	N/A N/A 13.37 13.29 13.24 13.11 13.06 13.32 13.20 13.12	N/A N/A 13.11 13.10 13.21 13.44 13.44 13.26 13.39 13.10	N/A N/A 13.27 13.43 13.27 13.34 13.13 13.35 13.07 13.44 13.10	N/A N/A N/A 13.11 13.43 13.41 13.42 13.09 13.38 13.10	N/A N/A N/A 13.41 13.16 13.13 13.12 13.20 13.06 13.42 13.19 13.42
	Book mode (screen orientation	32° 33° 34° 35° 45° 55° 65° 75° 85°	N/A 15.18 15.44 15.29 15.41 15.21 15.42 15.00 15.19 15.29 15.06	N/A N/A 15.45 15.22 15.30 15.18 15.20 15.27 15.06 15.27 15.06 15.19	N/A N/A 13.31 13.23 13.45 13.28 13.28 13.34 13.34 13.31 13.31 13.32 13.33 13.30	N/A N/A 13.17 13.36 13.11 13.24 13.39 13.36 13.36 13.36 13.15 13.28 13.06	N/A 13.18 13.42 13.40 13.22 13.36 13.20 13.32 13.06 13.24 13.13 13.40	N/A 13.33 13.25 13.22 13.27 13.30 13.30 13.30 13.30 13.31 13.31 13.31	N/A N/A 13.20 13.24 13.17 13.16 13.30 13.09 13.09 13.13 13.41 13.43 13.43	N/A N/A 13.37 13.29 13.24 13.11 13.06 13.32 13.20 13.12 13.30 13.32	N/A N/A 13.11 13.10 13.21 13.44 13.46 13.36 13.39 13.10 13.22 13.45 13.29	N/A N/A 13.27 13.43 13.27 13.34 13.13 13.35 13.35 13.07 13.44 13.10 13.33 13.44	N/A N/A N/A 13.11 13.43 13.43 13.43 13.42 13.09 13.38 13.10 13.31 13.24	NVA NVA NVA 13.41 13.16 13.13 13.12 13.20 13.06 13.42 13.42 13.42 13.42 13.43 13.41
		32° 33° 34° 35° 45° 55° 65° 76° 85° 96°	N/A 15.18 15.44 15.29 15.41 15.21 15.42 15.08 15.19 15.29 15.09 15.13 15.22 15.22	N/A N/A 15.45 15.22 15.30 15.16 15.20 15.27 15.06 15.21 15.19 15.40 15.40 15.23	N/A N/A 13.31 13.23 13.45 13.26 13.26 13.34 13.21 13.43 13.31 13.30 13.32 13.31 13.09	N/A N/A 13.17 13.36 13.11 13.24 13.39 13.36 13.36 13.36 13.15 13.22 13.06 13.36 13.33 13.36	N/A 13.18 13.42 13.42 13.22 13.36 13.20 13.32 13.36 13.24 13.13 13.40 13.06 13.07	N/A 13.33 13.25 13.27 13.27 13.30 13.39 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.31	NVA NVA 13.20 13.24 13.17 13.16 13.30 13.09 13.13 13.41 13.43 13.42 13.42 13.47	N/A N/A 13.37 13.29 13.29 13.24 13.11 13.00 13.32 13.32 13.20 13.12 13.39 13.32 13.32	N/A N/A 13.11 13.10 13.21 13.44 13.44 13.39 13.10 13.22 13.45 13.09 13.09 13.09 13.09	N/A N/A 13.27 13.43 13.27 13.34 13.13 13.35 13.36 13.07 13.44 13.10 13.33 13.40 13.27	N/A N/A N/A 13.11 13.43 13.43 13.43 13.42 13.09 13.38 13.10 13.31 13.24 13.18 13.24 13.18	NVA NVA NVA 13.41 13.16 13.13 13.12 13.20 13.06 13.42 13.42 13.42 13.43 13.41 13.43 13.41 13.35
	(screen orientation	32° 33° 34° 35° 45° 55° 65° 75° 85° 95° 115° 115°	N/A 15.18 15.44 15.29 15.41 15.21 15.42 15.02 15.19 15.29 15.06 15.13 15.25 15.26 15.27 15.26 15.26	N/A N/A 15.45 15.22 15.30 15.16 15.36 15.36 15.27 15.06 15.27 15.06 15.18 15.19 15.40 15.23 15.24 15.24 15.28	N/A N/A 13.31 13.23 13.45 13.26 13.26 13.26 13.32 13.32 13.31 13.30 13.32 13.31 13.00 13.32 13.31 13.00 13.22	N/A N/A 13.17 13.36 13.11 13.24 13.39 13.36 13.36 13.36 13.36 13.36 13.36 13.36 13.20 13.06 13.06 13.32 13.32 13.32 13.34 13.34 13.32 13.34 13.34 13.34 13.35	NA 13.18 13.42 13.42 13.22 13.30 13.20 13.32 13.06 13.24 13.13 13.40 13.06 13.07 13.07 13.15	N/A 13.33 13.25 13.27 13.27 13.30 13.39 13.39 13.30 13.25 13.31 13.11 13.31 13.14 13.39 13.00	NVA NVA 13.20 13.24 13.17 13.16 13.30 13.09 13.13 13.41 13.41 13.42 13.42 13.47 13.42 13.47 13.17	N/A N/A 13.37 13.29 13.29 13.24 13.11 13.06 13.32 13.32 13.12 13.30 13.32 13.12 13.33 13.33 13.34 13.35 13.36 13.36	N/A N/A 13.11 13.10 13.21 13.24 13.44 13.34 13.39 13.30 13.30 13.22 13.45 13.09 13.09 13.09 13.09 13.09 13.09 13.09 13.09 13.09 13.09 13.39	N/A N/A 13.27 13.43 13.27 13.34 13.13 13.35 13.07 13.40 13.10 13.33 13.40 13.27 13.26 13.14	NIA NIA NIA 13.11 13.43 13.41 13.42 13.42 13.09 13.38 13.10 13.31 13.24 13.18 13.23 13.14 13.24 13.24 13.24 13.45	NVA NVA NVA 13.41 13.16 13.13 13.12 13.20 13.06 13.42 13.42 13.43 13.11 13.35 13.37 13.37 13.37
	(screen orientation	32° 33° 34° 35° 45° 55° 65° 75° 85° 115° 115° 125° 135° 145°	N/A  15.18  15.49  15.29  15.41  15.21  15.21  15.22  15.00  15.19  15.29  15.29  15.29  15.30  15.30  15.30  15.30  15.30  15.30  15.30	NIA NIA 15.45 15.22 15.30 15.18 15.20 15.27 15.06 15.27 15.06 15.19 15.19 15.24 15.24 15.24 15.24 15.24 15.24 15.25	NA NA 13.31 13.31 13.25 13.26 13.34 13.30 13.30 13.30 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32	N/A N/A 13.17 13.36 13.11 13.24 13.36 13.36 13.36 13.36 13.15 13.37 13.30 13.30 13.30 13.31 13.32 13.32 13.32 13.33 13.32 13.33 13.32 13.32 13.32 13.33 13.34 13.34 13.34 13.35 13.36 13.3	N/A 13.18 13.42 13.42 13.40 13.34 13.34 13.32 13.32 13.32 13.32 13.32 13.32 13.32 13.31 13.40 13.30 13.30 13.31 13.10	N/A 13.33 13.25 13.22 13.27 13.27 13.27 13.30 13.30 13.39 13.39 13.31 13.11 13.14 13.39 13.09 13.09 13.20 13.20 13.20 13.30	NVA NVA 13.24 13.24 13.17 13.16 13.30 13.09 13.09 13.13 13.41 13.42 13.42 13.42 13.43 13.41 13.41 13.42 13.42 13.43 13.41 13.42	N/A N/A 13.37 13.29 13.29 13.24 13.31 13.00 13.32 13.32 13.32 13.17 13.06 13.32 13.12 13.17 13.08 13.32 13.17 13.09 13.17 13.17 13.17	N/A N/A 13.11 13.10 13.21 13.44 13.46 13.26 13.39 13.10 13.22 13.45 13.39 13.30 13.32 13.45 13.39 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.31	NA NA 13.27 13.43 13.27 13.34 13.35 13.36 13.30 13.30 13.44 13.10 13.32 13.40 13.27 13.26 13.14 13.16 13.30	N/A N/A N/A N/A 13.11 13.49 13.41 13.49 13.42 13.09 13.30 13.10 13.24 13.24 13.24 13.24 13.24 13.24 13.24 13.45 14.45 14	N/A N/A N/A 13.41 13.16 13.15 13.12 13.20 13.06 13.42 13.19 13.42 13.43 13.11 13.35 13.37 13.16 13.37
	(screen orientation	32° 33° 34° 35° 45° 55° 85° 75° 85° 115° 115° 1155° 1455°	NA 15.18 15.44 15.29 15.41 15.42 15.08 15.42 15.08 15.19 15.29 15.00 15.13 15.29 15.20 15.30 15.32 15.32 15.32 15.32 15.32 15.32 15.32 15.32 15.32 15.32 15.32 15.32 15.32 15.33 15.34 15.32 15.33 15.34 15.32 15.33 15.34 15.34 15.32 15.32 15.33 15.34 15.34 15.34 15.32 15.33 15.34 15.	NNA NNA 15.45 15.22 15.30 15.30 15.30 15.30 15.20 15.20 15.20 15.21 15.00 15.10 15.20 15.20 15.20 15.20 15.10 15.3	N/A N/A 13.31 13.22 13.45 13.26 13.26 13.26 13.27 13.41 13.21 13.31 13.30	N/A N/A 13.17 13.36 13.11 13.36 13.31 13.39 13.39 13.36 13.3	NA 13.16 13.42 13.40 13.22 13.36 13.22 13.36 13.32 13.36 13.34 13.36 13.37 13.40 13.37 13.40 13.37 13.41 14.41 14.	NA 13.33 13.25 13.22 13.27 13.30 13.30 13.30 13.30 13.31 13.	NVA NVA 13.20 13.24 13.17 13.16 13.30 13.09 13.09 13.09 13.13 13.41 13.43 13.42 13.42 13.43 13.43 13.42 13.44 13.17 13.17 13.19	N/A N/A 13.37 13.29 13.29 13.24 13.11 13.00 13.32 13.32 13.12 13.30 13.32 13.31 13.32 13.37 13.45 13.36	NA NA 13.11 13.10 13.21 13.44 13.44 13.26 13.39 13.10 13.22 13.39 13.10 13.29 13.09 13.10 13.29 13.39 13.29 13.39 13.29 13.39	NA NA 13.27 13.45 13.27 13.34 13.13 13.13 13.07 13.40 13.10 13.30 13.40 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.27 13.28	N/A	N/A N/A N/A N/A 13.41 13.16 13.13 13.12 13.20 13.06 13.02 13.42 13.19 13.42 13.19 13.13 13.14 13.15 13
	(screen orientation	32° 33° 34° 35° 45° 55° 75° 95° 95° 105° 115° 125° 135° 145° 165° 165° 175°	NIA 15.18 15.44 15.29 15.21 15.21 15.42 15.00 15.19 15.00 15.10 15.00 15.10 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.27 15.24 15.30 15.31 15.37 15.31 15.31	NIA NIA NIA 15.45 15.22 15.30 15.16 15.30 15.16 15.30 15.16 15.30 15.16 15.30 15.16 15.30 15.30 15.16 15.30 15.17 15.30 15.18 15.19 15.19 15.23 15.20 15.31	N/A N/A N/A 13.31 13.22 13.45 13.26 13.29 13.29 13.29 13.20 13.30	N/A N/A 13.17 13.36 13.31 13.31 13.32 13.36 13.3	NA 13.16 13.42 13.40 13.22 13.36 13.20 13.20 13.30 13.20 13.30 13.22 13.06 13.24 13.13 13.40 13.13 13.40 13.13 13.14 13.15 13.16 13.27 13.16 13.26 13.37 13.30 13.	NA 13.33 13.25 13.22 13.27 13.27 13.30 13.30 13.30 13.30 13.25 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.32 13.30 13.25 13.31 13.	NIA NIA NIA 13.20 13.24 13.17 13.10 13.50 13.50 13.50 13.12 13.41 13.43 13.42 13.44 13.44 13.45 13.47 13.50 13.50 13.12 13.41 13.42 13.44 13.45 13.47 14.47	NA NA NA 13.37 13.29 13.29 13.29 13.29 13.29 13.29 13.29 13.29 13.29 13.20 13.	NA NA 13.11 13.10 13.21 13.44 13.34 13.36 13.10 13.10 13.22 13.45 13.22 13.45 13.29 13.22 13.22 13.23 13.23 13.23 13.23 13.24 13.25	NA NA 13.27 13.43 13.27 13.34 13.13 13.35 13.07 13.44 13.10 13.33 13.40 13.27 13.26 13.27 13.26 13.14 13.16 13.16 13.16 13.16 13.16 13.16 13.16 13.16 13.16	N/A	N/A N/A N/A N/A N/A N/A N/A 13.41 13.16 13.12 13.12 13.20 13.06 13.42 13.12 13.13 13.12 13.20 13.36 13.37 13.37 13.37 13.37 13.36 13.37 13.31 13.35
	(screen orientation	322 333 344 355 457 557 657 757 857 1057 1157 1257 1457 1457 165	NIA 15:18 15:44 15:29 16:541 15:20 16:541 15:20 16:541 15:20 15:542 15:00 15:522 15:00 15:20 15:	NIA NIA NIA 15.45 15.22 15.30 15.10 15.20 15.51	NA NA NA 13.31 13.22 13.26 13.26 13.26 13.27 13.27 13.29 13.20 13.	NA NA NA 13.5	NA 13.16 13.42 13.40 13.16 13.42 13.40 13.20 13.20 13.20 13.20 13.20 13.20 13.20 13.20 13.20 13.20 13.20 13.21 13.20 13.24 13.24 13.24 13.25 13.26 13.26 13.27 13.16 13.27 13.16 13.16 13.17 13.16 13.17 13.16 13.17 13.18 13.	N/A 13.33 13.25 13.22 13.27 13.27 13.27 13.27 13.29 13.30 13.30 13.30 13.30 13.30 13.31 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.31 13.31 13.31 13.31 13.31	NIA NIA NIA 13.20 13.24 13.17 13.16 13.30 13.30 13.30 13.30 13.30 13.31 13.41 13.42 13.44 13.44 13.42 13.44 13.42 13.43 13.42 13.44 13.57 13.57 13.57 13.57	NA N	N/A N/A 13.11 13.17 13.27 13.34 13.34 13.36 13.39 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31	N/A N/A 13.27 13.43 13.27 13.34 13.13 13.13 13.13 13.13 13.13 13.14 13.10 13.27 13.20 13.20 13.20 13.14 13.27 13.20 13.14 13.27 13.20 13.14 13.27 13.20 13.14 13.27 13.20 13.14 13.27 13.20 13.2	N/A	N/A N/A N/A 13.41 13.13 13.13 13.20 13.20 13.42 13.42 13.42 13.42 13.43 13.45 13.35
	(screen orientation	322 333 344 355 457 557 657 757 857 1057 1157 1257 1457 1457 1457 1657 1657 1657 1657 1657 1657 1657 16	NIA 15.18 15.14 15.29 15.44 15.20 15.41 15.20 15.41 15.20 15.42 15.20 15.30 15.31 15.31 15.32 15.32 15.32 15.32 15.32 15.33 15.33 15.34 15.30 15.31 15.31 15.31 15.31 15.31 15.31 15.31 15.31 15.31 15.31 15.31 15.31 15.31	NIA NIA NIA NIA 16.465 115.20 115.20 115.30 115.30 115.20 115.30 115.20	NA NA NA 13.31 13.22 13.24 13.20 13.20 13.20 13.20 13.20 13.20 13.20 13.21 13.22 13.24 13.21 13.24 13.21 13.20 13.30 13.	N/A N/A 13.15 13.16 13.26 13.39 13.39 13.30 13.3	NA 13.16 13.42 13.40 13.16 13.42 13.40 13.22 13.24 13.26 13.24 13.25 13.26 13.24 13.35 13.26 13.24 13.13 13.26 13.26 13.27 13.16 13.26 13.27 13.16 13.26 13.27 13.16 13.27 13.16 13.27 13.	N/A 13.33 13.25 13.22 13.27 13.27 13.29 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.32	NIA NIA NIA NIA NIA 13,204 13,247 13,156 13,309 13,009 13,130 13,131 13,142 13,143 13,143 13,143 13,143 13,143 13,143 13,143 13,143 13,17 13,143 13,17 13,143 13,17 13,134 13,17 13,134 13,17 13,134 13,17 13,134 13,17 13,134 13,17 13,134 13,137 13,134 13,137 13,137 13,24 13,24 13,24 13,24 13,24 13,24 13,24 13,24 13,24 13,24 13,24 13,24 13,24 13,24 13,24 13,25 13,24 13,27 13,24 13,24 13,27 13,24 13,27 13,24 13,27 13,27 13,28 13,27 13,27 13,27 13,23	NA N	NA NA NA 13.11 1 1 13.11 1 1 13.11 1 1 1	NA NA 13.27 13.45 13.45 13.35 13.35 13.36 13.37 13.36 13.37 13.44 13.30 13.44 13.30 13.44 13.30 13.40 13.27 13.27 13.20 13.27 13.20 13.27 13.20 13.30	NIA	N/A
	(screen orientation	32° 33° 34° 35° 45° 45° 45° 45° 45° 45° 45° 45° 45° 4	NIA 15.18 15.54 15.54 15.54 15.54 15.52 15.50 15	NIA NIA NIA NIA 15.46 15.20 15.20 15.30 15.30 15.30 15.30 15.30 15.30 15.30 15.30 15.30 15.31 15.31 15.31 15.31 15.31 15.31 15.31 15.31 15.31 15.32 15.32 15.33 15.33 15.33 15.34	N/A N/A N/A 13.31 13.22 13.26 13.26 13.26 13.26 13.26 13.26 13.27 13.27 13.27 13.30	NA N	NA 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.	NA 13.33 13.26 2 13.26	NIA NIA NIA NIA NIA 13.201 13.247 13.247 13.16 13.16 13.16 13.09 13.10 13.09 13.13 13.41 13.13 13.42 13.14 13.17 13.12 13.12 13.12 13.13 13.12 13.13 13.12 13.13 13.13 13.13 13.14 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.37 13.37 13.37 13.37 13.37 13.37 13.37 13.38	NA N	N/A N/A 13.11 13.10 13.10 13.14 13.20 13.30	NA NA 13.27 13.43 13.44 13.35 13.36 13.37 13.36 13.30 13.40 13.27 13.40 13.27 13.26 13.27 13.27 13.26 13.27 13.27 13.27 13.27 13.28 13.27 13.27 13.28 13.27 13.28 13.27 13.28 13.27 13.28 13.27 13.28 13.27 13.28 13.27 13.28 13.27 13.28 13.27 13.28 13.27 13.28 13.27 13.28 13.27 13.28	N/A	NIA
	(screen orientation	32° 33° 34° 35° 45° 45° 45° 45° 45° 45° 45° 45° 45° 4	NIA 15.18 15.54 15.54 15.50 15	N/A	N/A	N/A	NA 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.20 13.30 13.	N/A 13.33 13.26 13.27 13.27 13.29 13.39 13.30 13.30 13.30 13.30 13.30 13.31 13.31 13.31 13.34 13.36 13.30 13.30 13.30 13.30 13.30 13.31 13.31 13.34 13.36 13.36 13.36 13.36 13.36 13.36 13.36 13.37 13.37 13.37 13.37 13.37 13.37 13.37 13.37 13.37 13.36	NIA	N/A	NA N	NA N	N/A	NA N
	(screen orientation is 90° or 270°)	32° 33° 34° 35° 45° 45° 65° 75° 85° 105° 115° 125° 125° 125° 125° 125° 125° 12	NIA 15:18 15:18 15:54 15:54 15:50 15:54 15:50 15:51 15:52 15:50 15:50 15:50 15:50 15:52 15:52 15:52 15:52 15:53 15:52 15:53 15:52 15:53 15:52 15:53 15:52 15:53 15:52 15:53 15:52 15:53	NIA NIA NIA NIA NIA 16.465 11.502 11.503 11.5.10 11.5.20	N/A N/A N/A N/A 13.31 13.45 13.26 13.26 13.26 13.36 13.37 13.31 13.31 13.30 13.31 13.31 13.30 13.31 13.31 13.30 13.31 13.31 13.30 13.31 13.31 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.32 13.31 13.31 13.31 13.31 13.31 13.32 13.31 13.31 13.31 13.31 13.32 13.31 13.31 13.32 13.31 13.33 13.34 13.35 13.36 13.31 13.37 13.36 13.31	NA N	NA 13.16 13.42 13.46 13.46 13.46 13.47 13.46 13.47 13.40 13.42 13.40 13.42 13.40 13.	N/A 13.33 13.25 13.22 13.27 13.27 13.27 13.29 13.30 13.30 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.30	NIA NIA NIA NIA NIA NIA 13,20 13,21 13,21 13,16 13,30 13,00 13,00 13,00 13,00 13,00 13,00 13,41 13,42 13,42 13,42 13,42 13,42 13,42 13,42 13,42 13,43 13,42 13,43 13,42 13,43 13,42 13,43 13,42 13,43 13,45 13,45 13,45 13,45 13,45 13,26 13,26 13,26 13,26 13,26 13,27 13,26 13,27	NA N	N/A N/A N/A 13.11 13.12 13.21 13.24 13.34 13.36 13.36 13.36 13.36 13.36 13.36 13.37 13.31	NA N	NA N	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A
	(screen orientation is 90° or 270°)  Book mode (screen orientation	32° 33° 33° 33° 33° 33° 33° 35° 36° 36° 36° 36° 36° 36° 36° 36° 36° 36	NIA 15.18 15.54 15.54 15.54 16.54 16.54 16.52 15.50 16	NIA NIA NIA NIA NIA 16.465 16.202 16.203 16.203 16.203 16.203 16.204 16.205 16.207 16.006 16.207 16.006 16.207 16.006 16.207 16.006 16.207 16.	N/A N/A N/A 13.31 13.22 13.26 13.26 13.26 13.26 13.27 13.29 13.21 13.21 13.21 13.21 13.21 13.21 13.22 13.23 13.21 13.30	N/A	NA 13.18 13.42 13.18 13.42 13.18 13.42 13.18 13.42 13.	N/A 13.33 13.26 13.27 13.27 13.27 13.29 13.39 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.10 13.13 13.13 13.13 13	NIA NIA NIA NIA NIA 13.201 13.247 13.247 13.16 13.16 13.30 13.09 13.13 13.09 13.13 13.14 13.15 13.42 13.15 13.42 13.17 13.17 13.17 13.17 13.17 13.17 13.19 13.24 13.37 13.24 13.37 13.24 13.37 13.39 13.30 13.30 13.31 13.31 13.31 13.31 13.31	NA N	N/A N/A N/A 13.11 13.10 13.14 13.20 13.34 13.30	NA NA 13.27 13.43 13.44 13.35 13.36 13.37 13.41 13.30 13.40 13.30 13.40 13.27 13.27 13.26 13.27 13.27 13.26 13.27 13.27 13.27 13.28 13.27 13.28 13.27 13.28 13.29 13.20	N/A	NIA
	(screen orientation is 90° or 270°)	32' 33' 33' 33' 33' 33' 33' 33' 33' 33'	NIA 15.18 15.54 15.54 15.50	NYA	NA N	N/A	NA 13.18 13.42 13.18 13.42 13.18 13.42 13.18 13.42 13.45 13.	N/A 13.33 13.26 13.27 13.27 13.29 13.39 13.30 13.30 13.30 13.30 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.34 13.30 13	NIA	N/A	NA N	NA N	N/A	NIA
	(screen orientation is 90° or 270°)  Book mode (screen orientation	32' 33' 33' 33' 33' 33' 33' 33' 33' 33'	NIA 15.18 15.44 15.50 115.54 15.50 115.21 15.22 15.00 15.22 15.00 15.10 15.23 15.24 15.00 15.23 15.20 15.30	NIA	N/A	N/A	NA 13.16 13.42 13.46 13.47 13.	N/A 13.33 13.26 13.27 13.29 13.39 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.14 13.14 13.30 13.30 13.30 13.31 13.14 13.14 13.30 13.30 13.30 13.31 13.14 13.30 13.30 13.30 13.31 13.14 13.30 13.30 13.30 13.30 13.31 13.31 13.30 13	NIA	NA N	NA N	NA N	N/A	NA N
	(screen orientation is 90° or 270°)  Book mode (screen orientation	32' 33' 33' 33' 33' 33' 33' 33' 33' 33'	NIA 15.18 15.18 15.19 15.24 15.20 15.22 15.00 15.21 15.22 15.00 15.23 15.23 15.24 15.20 15.20 15.20 15.21 15.20 15.20 15.21 15.20 15.21 15.20 15.21 15.20 15.21 15.20 15.21 15.20 15.21 15.21 15.22 15.23 15.21 15.23 15.21 15.21 15.21 15.21 15.22 15.23 15.21 15.23 15.24 15.25 15.25 15.25 15.26 15.27 15.26 15.27 15.26 15.27 15.26 15.27 15.26 15.27 15.26 15.27 15.26 15.27 15.27 15.27 15.28 15.29 15.20	N/A N/A N/A N/A N/A 15.45 15.45 15.50 15.51 15.51 15.51 15.51 15.51 15.51 15.51 15.52 15.50 15.5	N/A	NA N	NA 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.43 13.43 13.44 13.45 13.	N/A 13.33 13.25 13.25 13.25 13.25 13.25 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.32 13.30 13.31 13.30 13.30 13.31 13.30 13.30 13.31 13.30 13.30 13.31 13.30 13.31 13.30 13.30 13.31 13.30 13.30 13.31 13.30 13.30 13.31 13.30 13.30 13.31 13.30	NIA	N/A	NA NA NA 143.1 NA 143.1 NA 143.1 NA 143.1 NA 143.1 NA 143.1 NA 143.2 NA 143	NA N	NA N	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A
	(screen orientation is 90° or 270°)  Book mode (screen orientation	32" 33" 34" 35" 35" 36" 36" 36" 36" 36" 36" 36" 36" 36" 36	NIA 15.18 15.44 15.18 15.44 15.18 15.44 15.21 15.21 15.22 15.50 15	NIA	N/A	NA N	NA 1318 1318 1318 1318 1318 1318 1318 131	N/A 13.33 13.25 13.25 13.25 13.25 13.30	NIA	NA N	NA N	NA N	NA N	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A
	(screen orientation is 90° or 270°)  Book mode (screen orientation	32' 33' 33' 33' 33' 33' 33' 33' 33' 33'	NIA 15.18 15.44 15.18 15.54 15.54 15.52 15.50 15	NIA	N/A	NA N	NA 1318 1314 1314 1314 1315 1314 1315 1315 1315	N/A 13.33 13.26 13.27 13.26 13.27 13.29 13.39 13.30 13.30 13.30 13.30 13.30 13.31 13.30 13	NIA	NA N	N/A N/A N/A 13.11 13.11 13.12 13.14 13.14 13.26 13.36 13.36 13.36 13.36 13.36 13.37 13.38 13.39 13.30	NA N	NA N	N/A
	(some orientation is 60° or 270°)  Blook mode (some orientation is 60° or 270°)	32' 33' 33' 33' 33' 33' 33' 33' 33' 33'	NIA 15.18 15.44 15.18 15.54 15.54 15.54 15.52 15.50 15	NIA	N/A	NA N	NA 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.42 13.16 13.	N/A 13.33 13.26 13.27 13.27 13.29 13.39 13.39 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13	NIA	NA N	N/A N/A N/A 13.11 13.11 13.12 13.14 13.14 13.26 13.36 13.36 13.36 13.36 13.36 13.36 13.37 13.38 13.39 13.30	NA N	N/A	N/A
	Goreno ofertation is 50° or 270°)  Blook mode (scene refertation is 50° or 270°)	32' 33' 33' 33' 33' 33' 33' 33' 33' 33'	NIA 15.18 15.44 15.18 15.54 15.54 15.52 15.50 15	NIA	N/A	NA N	NA 1318 1314 1314 1314 1315 1314 1315 1315 1315	N/A 13.33 13.26 13.27 13.26 13.27 13.29 13.39 13.30 13.30 13.30 13.30 13.30 13.31 13.30 13	NIA	NA N	N/A N/A N/A 13.11 13.11 13.12 13.14 13.14 13.26 13.36 13.36 13.36 13.36 13.36 13.37 13.38 13.39 13.30	NA N	NA N	NIA  NIA  NIA  NIA  NIA  NIA  NIA  NIA
	Block mode (screen orientation is 90° or 270°)  Block mode (screen orientation is 90° or 270°)  Lid close Block mode (screen orientation or 270°)	32" 33" 36" 36" 36" 36" 37" 38" 38" 38" 38" 38" 38" 38" 38" 38" 38	NIA 15.18 15.44 15.52 15.52 15.52 15.52 15.52 15.52 15.52 15.52 15.53 15.52 15.53 15.52 15.53	NIA	N/A	NA N	NA 13.18   13.42   13.45   13.46   13.47   13.46   13.47   13.46   13.47   13.46   13.47   13.	N/A 13.33 13.26 13.27 13.27 13.29 13.39 13.30 13.30 13.30 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.30 13	NIA	NA N	NA N	NA N	NIA	NIA.  NIA.  NIA.  NIA.  NIA.  NIA.  NIA.  13.41  13.41  13.15  13.10  13.10  13.10  13.10  13.10  13.10  13.10  13.10  13.10  13.10  13.10  13.11  13.11  13.11  13.36  13.37  13.37  13.36  13.37  13.36  13.37  13.37  13.37  13.38
	Block mode (screen orientation is 90° or 270°)  Block mode (screen orientation is 90° or 270°)  Lid close Block mode (screen orientation or 270°)	32' 33' 33' 33' 33' 33' 33' 33' 33' 33'	NIA 15.18 15.18 15.18 15.44 15.20 15.21 15.22 15.22 15.20 15.23 15.23 15.24 15.20 15	NIA	N/A N/A N/A N/A N/A 13.31 13.32 13.34 13.26 13.32 13.32 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.34 13.35 13.36 13.37 13.36 13.37 13.36 13.37 13.37 13.36 13.37 13.3	N/A	NA 13.16   13.42   13.45   13.46   13.46   13.47   13.40   13.20   13.20   13.20   13.20   13.20   13.20   13.20   13.20   13.21   13.21   13.22   13.24   13.25   13.26   13.27   13.27   13.28   13.29   13.20   13.20   13.20   13.20   13.20   13.20   13.21   13.11   13.15   13.21   13.15   13.22   13.21   13.16   13.20   13.20   13.20   13.20   13.20   13.21   13.21   13.21   13.21   13.21   13.22   13.21   13.22   13.23   13.24   13.26   13.26   13.27   13.28   13.29   13.29   13.20   13.	N/A 13.33 13.25 13.25 13.25 13.25 13.25 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.31 13.34 13.30 13	NIA	N/A	N/A N/A N/A N/A N/A 13.10 13.21 13.24 13.34 13.36 13.36 13.36 13.36 13.36 13.36 13.37 13.37 13.37 13.37 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.30 13.3	NA N	NA N	NIA  NIA  NIA  NIA  NIA  NIA  NIA  13.41  13.16  13.16  13.19  13.10  13.10  13.10  13.10  13.10  13.10  13.10  13.10  13.11  13.12  13.12  13.12  13.12  13.12  13.12  13.13  13.12  13.13  13.13  13.13  13.14  13.15  13.15  13.15  13.16  13.16  13.17
	Block mode (screen orientation is 90° or 270°)  Block mode (screen orientation is 90° or 270°)  Lid close Block mode (screen orientation or 270°)	32' 33' 33' 33' 33' 33' 33' 33' 33' 33'	NIA 15.18 15.44 15.18 15.44 15.41 15.42 15.24 15.24 15.20 15	NIA	N/A N/A N/A N/A 13.31 13.45 13.26 13.26 13.26 13.37 13.30 13.31 13.30 13.31 13.30 13.31 13.31 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.33 13.31 13.32 13.33 13.31 13.32 13.33 13.31 13.32 13.33 13.31 13.32 13.33 13.31 13.32 13.33 13.31 13.32 13.33 13.31 13.32 13.33 13.31 13.31 13.32 13.33 13.31 13.31 13.32 13.33 13.31 13.31 13.31 13.32 13.33 13.31 13.32 13.31 13.31 13.31 13.32 13	NA N	NA NA 13.18   NA	N/A 13.33 13.25 13.25 13.25 13.25 13.26 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.30 13	NIA	NA N	NA N	NA N	NA N	NIA
	Book mode (screen orientation is 90° or 270°)  Block mode (screen orientation is 90° or 270°)  Lid close Book mode (screen orientation is 90° or 270°)	32' 33' 34' 35' 36' 37' 38' 38' 38' 38' 38' 38' 38' 38' 38' 38	NIA 15.18 15.29 15.20	NVA	N/A	N/A	NA 13.18   NA 13.18   13.42   13.18   13.42   13.45   13.26	N/A 13.33 13.26 13.27 13.27 13.29 13.39 13.39 13.30 13.30 13.30 13.30 13.31 13.32 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.32 13.32 13.33 13.34 13.34 13.34 13.34 13.35 13.37 13.37 13.31 13.34 13.34 13.34 13.34 13.34 13.34 13.35 13.37 13.37 13.37 13.37 13.38 13.38 13.39 13.39 13.31 13.34 13.34 13.34 13.34 13.34 13.34 13.35 13.36 13.37 13.37 13.37 13.38 13	NIA	N/A	NA N	NA N	N/A	NIA
	Book mode (screen orientation is 90° or 270°)  Block mode (screen orientation is 90° or 270°)  Lid close Book mode (screen orientation is 90° or 270°)	32" 33" 34" 35" 35" 35" 35" 35" 35" 35" 35" 35" 35	NIA 15.18 15.18 15.19 16.54 16.52 16.52 16.52 15.50 16.52 15.50 16	NVA	N/A N/A N/A N/A N/A 13.31 13.32 13.36 13.32 13.32 13.33 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.32 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.32 13.32 13.31 13.32 13.32 13.31 13.32 13.32 13.32 13.33 13.32 13.32 13.33 13.32 13.32 13.33 13.32 13.33 13.32 13.33 13.32 13.33 13.32 13.33 13.32 13.33 13.33 13.33 13.32 13.34 13.32 13.34 13.34 13.37 13.3	N/A	NA 13.18   13.42   13.45   13.46   13.46   13.47   13.46   13.46   13.46   13.46   13.46   13.46   13.46   13.46   13.46   13.46   13.46   13.46   13.46   13.47   13.	N/A 13.33 13.26 13.27 13.27 13.29 13.39 13.30 13.30 13.30 13.30 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.34 13.30	NIA	N/A	NA N	NA N	NIA	NIA.  NIA.  NIA.  NIA.  NIA.  NIA.  NIA.  13.41  13.41  13.15  13.10  13.12  13.12  13.12  13.12  13.12  13.12  13.13  13.13  13.13  13.35  13.36  13.36  13.37  13.36  13.37  13.36  13.37  13.36  13.37  13.36  13.37  13.37  13.37  13.38  13.39  13.39  13.39  13.42  13.42  13.43  13.43

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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Antenna	Operation mode	Lid angle	802.11b N/A	802.11g N/A	802.11n(40M) 5.2G N/A	802.11ac(80M) 5.2G N/A	802.11n(40M) 5.3G N/A	802.11ac(80M) 5.3G N/A	802.11n(40M) 5.6G N/A	802.11ac(80M) 5.6G N/A	802:11a 5:8G N/A	802.11ac(80M) 5.8G N/A	802.11n(40M) 5.9G N/A	802.11ac(80M) 5.9G N/A
	Lid close	10°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
	Laptop	30° 25°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Lid close	26° 27°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
		28° 29°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
		30° 31°	17.51 17.47	19.08 18.95	19.56 19.54	13.77 13.71	19.35 19.31	13.97 14.17	18.95 18.99	18.51 18.68	19.30 19.25	17.35 17.28	19.03 18.96	18.49 18.55
		32° 33°	17.60 17.75	19.10 19.16	19.63 19.57	13.74 13.48	19.26 19.15	14.29 14.04	19.33 19.05	18.61 18.83	19:31 19:16	17.26 16.96	19.12 19.28	18.67 18.63
		34° 35°	17.78 17.57	18.99 18.98	19.50 19.74	13.74 13.64	19.26 19.20	14.14 14.27	19.26 19.24	18.85 18.69	18.99 19.33	17.28 17.30	19.18 18.97	18.50 18.51
	Laptop	45° 55°	17.61 17.59	19.19 19.05	19.46 19.46	13.64 13.67	19.31 19.26	14.28 14.09	19.05 19.30	18.79 18.85	19.30 19.34	17.03 17.09	19.29 19.17	18.71 18.47
		65° 75°	17.69 17.68	19.01 19.14	19.50 19.49	13.75 13.46	19.20 19.10	14.11 14.09	19.05 19.15	18.72 18.72	19.12 19.23	17.14 17.33	19.22 19.13	18.64 18.61
		85° 95°	17.65 17.53	19.02 18.99	19.63 19.61	13.62 13.68	19.16 19.26	14.00 14.09	19.09 18.98	18.83 18.78	19.17 19.34	17.10 17.17	19.31 19.08	18.65 18.48
		105° 115°	17.49 17.68	19.29 19.16	19.46 19.67	13.83 13.47	19.07 19.31	14.14 14.25	19.09 19.33	18.81 18.52	19.35 18.98	17.02 17.06	18.98 19.01	18.48 18.54
	Tablet	125° 135°	17.50 15.43	19.00 15.37	19.67 13.25	13.56 13.38	19.11 13.16	14.08 13.40	19.02 13.29	18.77 13.29	19.22 13.25	16.98 13.16	19.17 13.14	18.56 13.33
		130° 125°	15.22 17.76	15.42 19.24	13.26 19.47	13.14 13.53	13.16 18.95	13.27 14.22	13.07 19.17	13.25 18.68	13.40 19.35	13.09 17.17	13.25 19.15	13.44 18.48
	Laptop	126° 127°	17.60 17.46	19.15 19.34	19.77 19.85	13.63 13.79	19.29 19.01	14.31 14.22	18.97 19.32	18.84 18.69	19.03 19.08	17.33 17.04	19.11 19.20	18.60 18.73
		128° 129°	17.68 17.82	19.19 19.23	19.75 19.61	13.59 13.53	19.05 19.17	14.22 14.32	19.02 19.27	18.48 18.66	19.22 19.18	17.14 17.20	18.97 19.29	18.85 18.72
		130° 131°	15.24 15.28	15.28 15.36	13.34 13.35	13.18 13.30	13.24 13.42	13.38 13.12 13.17	13.41	13.15 13.21 13.13	13.33 13.10	13.20 13.31 13.41	13.10 13.18 13.19	13.25 13.33 13.43
		132° 133°	15.15 15.09	15.28 15.42	13.08 13.41	13.23 13.30	13.36 13.12	13.22	13.11 13.22	13.16	13.13 13.24	13.38	13.34	13.21
		134° 135° 145°	15.16 15.13 15.25	15.35 15.16 15.15	13.22 13.23 13.30	13.17 13.14 13.33	13.29 13.25 13.39	13.42 13.43 13.12	13.42 13.12 13.30	13.23 13.37 13.43	13.28 13.38 13.29	13.23 13.33 13.42	13.44 13.40 13.31	13.24 13.37 13.42
		155° 165°	15.29 15.20	15.07 15.23	13.05	13.13 13.44	13.15 13.15	13.31	13.09 13.22	13.24	13.26 13.25	13.07	13.17	13.42 13.08
1		175° 185°	15.20 15.27 15.38	15.23 15.06 15.31	13.17 13.42	13.05 13.24	13.15 13.21 13.17	13.23 13.09	13.16 13.10	13.45 13.11	13.09 13.07	13.17 13.40	13.19 13.08	13.13 13.30
		195° 205°	15.23 15.41	15.22 15.37	13.33	13.13 13.26	13.22	13.44	13.11	13.17	13.07 13.18	13.45 13.27	13.19	13.39 13.10
1	Tablet	215° 225°	15.45 15.07	15.34 15.14	13.34 13.16	13.38 13.42	13.35 13.28	13.19 13.13	13.28 13.15	13.23 13.05	13.45 13.27	13.34 13.22	13.06 13.44	13.32 13.22
		235° 245°	15.07 15.27	15.09 15.18	13.12 13.06	13.32 13.34	13.13 13.43	13.08 13.29	13.22	13.32 13.16	13.13 13.25	13.24 13.10	13.34	13.26 13.22
		255° 265°	15.27 15.29	15.27 15.10	13.37	13.26 13.37	13.24 13.35	13.10 13.40	13.37 13.27	13.45	13.07 13.43	13.28 13.39	13.36 13.36	13.29 13.35
		275° 285°	15.31 15.44	15.43 15.19	13.29 13.18	13.22 13.37	13.11 13.16	13.11 13.10	13.41 13.34	13.23 13.11	13.37 13.20	13.07 13.30	13.12 13.25	13.17 13.30
		295° 305°	15.26 15.24	15.39 15.24	13.36 13.38	13.17 13.42	13.17 13.22	13.08 13.35	13.07 13.32	13.39 13.14	13.17 13.20	13.07 13.22	13.18 13.07	13.18 13.25
		315° 325°	15.11 15.33	15.36 15.26	13.18 13.17	13.20 13.14	13.24 13.30	13.32 13.33	13.23 13.13	13.38 13.35	13.36 13.27	13.10 13.33	13.10 13.35	13.15 13.20
		335° 345°	15.44 15.27	15.32 15.30	13.26 13.26	13.39 13.30	13.18 13.30	13.35 13.07	13.36 13.13	13.20 13.13	13.12 13.23	13.28 13.05	13.18 13.13	13.29 13.16
		355° 360°	15.07 15.40	15.22 15.32	13.35 13.12	13.43 13.41	13.38 13.15	13.23 13.22	13.26 13.34	13.18 13.39	13.10 13.34	13.26 13.37	13.30 13.15	13.24 13.30
		350° 340°	15.26 15.11	15.36 15.39	13.06 13.19	13.43 13.10	13.31 13.21	13.39 13.20	13.11 13.15	13.12 13.24	13.33 13.10	13.25 13.06	13.40 13.13	13.27 13.43
		330° 320°	15.31 15.06	15.13 15.19	13.45 13.27	13.39 13.12	13.39 13.32	13.39 13.12	13.11 13.38	13.08 13.37	13.15 13.25	13.24 13.38	13.42 13.09	13.36 13.08
		310° 300°	15.37 15.21	15.38 15.16	13.15 13.34	13.43 13.14	13.27 13.45	13.34 13.09	13.42 13.37	13.17 13.21	13.39 13.08	13.14 13.20	13.29 13.24	13.40 13.41
		290° 280°	15.43 15.10	15.06 15.25	13.16 13.08	13.39 13.12	13.31 13.06 13.09	13.07 13.20	13.20 13.40	13.22 13.35	13.11	13.07 13.10 13.08	13.39 13.12 13.08	13.22 13.26
		270° 260°	15.42 15.39	15.19 15.39	13.12 13.25	13.42 13.44	13.09	13.16 13.10	13.23 13.20	13.07 13.38	13.10 13.15	13.08	13.42	13.28 13.13
Tx2	Tablet	250° 240°	15.39 15.43 15.33	15.06 15.10 15.31	13.44 13.09	13.41 13.43 13.09	13.17 13.24 13.31	13.16 13.35 13.29	13.35 13.44	13.07 13.45 13.17	13.20 13.35 13.35	13.32 13.45 13.08	13.27 13.30	13.16 13.06 13.42
		230° 220° 210°	15.33 15.20 15.45	15.13 15.12	13.31 13.16 13.35	13.09 13.32 13.13	13.12 13.12	13.14 13.31	13.31 13.43 13.24	13.17 13.20 13.34	13.15 13.13	13.44 13.07	13.10 13.38 13.45	13.42 13.17 13.43
		200° 190°	15.21 15.23	15.32 15.12	13.27 13.13	13.44 13.34	13.25 13.06	13.06 13.26	13.41 13.06	13.16 13.45	13.13 13.21 13.17	13.39	13.43 13.40	13.41 13.23
		180° 170°	15.08 15.30	15.23 15.07	13.08	13.30 13.25	13.45	13.11	13.06	13.42	13.34 13.18	13.06	13.35	13.08 13.44
		160°	15.40 15.43	15.37 15.23	13.05	13.21	13.28	13.34 13.12	13.23	13.16 13.21	13.37	13.36 13.38	13.32	13.42
		140° 130°	15.41 15.22	15.29 15.27	13.36 13.28	13.17 13.29	13.12 13.41	13.38 13.09	13.36 13.15	13.33 13.15	13.26 13.18	13.12	13.20 13.21	13.23 13.28
	Laptop	120° 126°	17.74 17.48	19.24 19.26	19.70 19.69	13.77 13.62	19.12 19.25	14.02 14.16	19.22 19.03	18.62 18.82	19.34 19.21	17.04 17.03	19.32 19.03	18.81 18.77
	Tablet	130° 129°	17.73	19.24	19.69	13.60	19.15	13.98	19.29	18.59	19.19	17.11	19.01	18.48
		128° 127°	17.79 17.53	19.33	19.78	13.66 13.79	19.30 19.16	14.16	19.02 19.02	18.55 18.70	19.07 19.14	17.27 17.07	18.99	18.64 18.79
		126° 126°	17.58 17.53	18.98 19.32	19.64 19.81	13.79	18.97	14.27	19.33 19.06	18.48 18.51	19.10	16.95 16.96	19.12 19.31 19.06	18.55 18.53
		115°	17.57	19.32 19.18 19.34	19.65	13.70 13.55 13.74	19.02	14.26 14.29 13.95	19.21	18.51 18.58 18.70	18.96	16.96 17.16 17.13	19.26	18.56
	Laptop	105° 95°	17.50 17.83	19.11	19.72 19.55	13.47	19.31 19.29	14.30	19.03 19.30	18.46	19.32 19.08	17.25	19.25 19.06	18.80 18.56
		85° 75° 65°	17.48 17.58 17.73	19.09 19.23	19.71 19.51 19.49	13.74 13.56 13.73	19.13 19.26	14.25 14.18 14.07	19.16 18.98	18.51 18.63	18.98 19.13	17.08 16.99 17.18	19.25 19.02 19.31	18.68 18.67 18.61
		55° 45°	17.73 17.49 17.63	19.25 19.00 19.09	19.49 19.82 19.57	13.73 13.57 13.79	19.16 19.16 19.23	14.07 14.08 14.08	19.02 19.12 19.30	18.62 18.53 18.52	19.23 19.25 19.03	17.18 17.21 17.33	19.31 19.25 19.09	18.61 18.51 18.51
	Lid close	35° 25°	17.83 N/A	19.16 N/A	19.57 19.48 N/A	13.79 13.73 N/A	19.23 19.05 N/A	14.06 14.24 N/A	19.30 19.22 N/A	18.56 N/A	19.03 19.20 N/A	17.33 17.06 N/A	19.09 19.26 N/A	18.58 N/A
	Laptop	20° 30°	17.69 N/A	18.98 N/A	19.48 N/A	13.85 N/A	19.16 N/A	14.29 N/A	19.09 N/A	18.54 N/A	19.14 N/A	17.11 N/A	19.05 N/A	18.62 N/A
		29° 28° 27°	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
1	Lid close	26° 26°	N/A N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A N/A
		15° 5°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
		0° 200°	N/A 17.53	N/A 19.29	N/A 19.47	N/A 13.54	N/A 19.28	N/A 14.29	N/A 19.30	N/A 18.58	N/A 19.14	N/A 17.11	N/A 19.05	N/A 18.60
		210° 220°	17.69 17.50	19.22 19.34	19.46 19.51	13.82 13.59	18.99 19.15	14.19	19.22 19.00	18.80 18.61	19.06 19.10	17.22 17.20	19.03 19.02	18.82 18.84
		230° 240°	17.80 17.47	19.24 19.05	19.80 19.65	13.47 13.58	19.08 19.10	14.00 14.02	19.04 19.31	18.63 18.52	19.33 19.00	17.17 17.17	19.12 19.23	18.62 18.63
	Stand mode	250° 260°	17.71 17.65	19.19 18.98	19.75 19.49	13.46 13.63	19.17 19.19	13.99 14.22	19.32 19.22	18.46 18.53	18.99 19.10	17.17 17.18	19.26 19.34	18.83 18.61
	(screen orientation is 0°)	270° 280°	17.69 17.74	19.28 19.19	19.59 19.54	13.50 13.72	19.11 19.13	14.27 14.14	19.31 19.33	18.73 18.83	19.05 19.06	17.04 17.25	19.13 19.25	18.46 18.52
		290° 300°	17.63 17.47	19.19 19.33	19.85 19.80	13.47 13.65	18.99 19.05	14.21 13.96	19.14 19.01	18.66 18.49	19.15 19.13	17.10 17.12	19.13 19.21	18.63 18.50
		310° 320°	17.56 17.77	18.95 19.26	19.57 19.58	13.66 13.73	19.09 19.30	14.23 14.05	19.04 19.14	18.52 18.73	19.02 19.04	17.07 17.21	19.09 19.26	18.69 18.53
		330° 340°	17.75 17.82	18.97 19.26	19.53 19.71	13.75 13.82	19.00 19.34	14.08 14.06	19.00 19.09	18.50 18.47	19.08 19.31	17.14 17.27	19.33 18.96	18.84 18.84
	Tablet	350° 345°	15.31 15.07	15.30 15.31	13.11 13.42	13.28 13.24	13.30 13.07	13.41 13.11	13.36 13.36	13.33 13.40	13.24 13.11	13.21 13.16	13.31 13.40	13.44 13.23
	Stand mode (screen orientation is 0°)	340°	17.79	19.34	19.48	13.46	19.28	14.05	19.33	18.63	19.10	17.11	19.23	18.64
	15 U')	341° 342°	15.37 15.24	15.16 15.06	13.38 13.17	13.28 13.16	13.24 13.16	13.18 13.36	13.30 13.20	13.11	13.19 13.09	13.38 13.14	13.20 13.32	13.07 13.16
	Tablet	343°	15.13	15.17	13.11	13.08	13.28	13.07	13.10	13.10	13.37	13.32	13.05	13.38
		344° 345° 355°	15.11 15.10 15.21	15.29 15.30 15.44	13.11 13.26 13.45	13.36 13.38 13.33	13.21 13.23 13.22	13.41 13.10 13.28	13.36 13.16 13.44	13.12 13.39 13.15	13.11 13.19 13.30	13.31 13.06 13.20	13.41 13.28 13.14	13.25 13.09 13.28
1	Tablet	360° 350°	15.16 15.38	15.22 15.30	13.20	13.22 13.36	13.13 13.12	13.22 13.34	13.15	13.27	13.36 13.18	13.23 13.06	13.26 13.44	13.10 13.05
1	Stand mode (screen orientation	340°	17.80	19.25	19.70	13.68	19.23	14.26	19.07	18.80	19.11	17.13	19.31	18.74
	is 0°)		1		1	1		· ·	l .	1	l		1	1

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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		345° 344°	15.37 15.29	15.26 15.11	13.25 13.09	13.23 13.16	13.40 13.28	13.09 13.22	13.19 13.17	13.44 13.34	13.28 13.13	13.32 13.25	13.07 13.07	13.29 13.34
	Tablet	343° 342°	15.11 15.42	15.18 15.23	13.33 13.05	13.37 13.23	13.13 13.15	13.19 13.21	13.29 13.38	13.19 13.21	13.42 13.28	13.36 13.13	13.10 13.23	13.08 13.19
		341° 340°	15.21 17.73	15.12 19.09	13.35 19.63	13.05 13.74	13.12 19.18	13.19 14.16	13.16 19.33	13.30 18.63	13.14 19.24	13.42 17.26	13.38 19.03	13.23 18.75
		339° 338°	17.68 17.74	19.00	19.71	13.52 13.54	18.98 19.34	14.00	19.29 19.24	18.51	19.33 19.23	17.29 17.05	19.18	18.73 18.45
		337° 336°	17.50 17.82	19.13 19.22	19.83 19.59	13.53 13.78	19.02 19.25	14.26 14.05	19.11 19.30	18.50 18.48	19.14 19.12	17.09 17.00	19.23 19.09	18.46 18.77
		335° 325°	17.70 17.71	19.07 19.30	19.78 19.52	13.45 13.52	19.30 19.29	14.32 14.05	19.23 19.23	18.79 18.73	19.29 19.08	17.14 17.00	19.10 19.12	18.69 18.84
	Stand mode	315° 305°	17.48 17.66	19.15 19.23	19.56 19.73	13.75 13.60	19.30 19.18	14.13 14.26	19.17 19.30	18.58 18.77	19.33 19.26	17.29 17.06	19.29 19.09	18.48 18.69
	(screen orientation is 0°)	295° 285°	17.63 17.45	19.11 19.19	19.52 19.78	13.81 13.58	18.99 19.35	14.22 14.27	18.98 19.13	18.51 18.53	19.26 19.03	17.33 17.29	19.17 19.03	18.72 18.56
		275° 265°	17.61 17.77	19.14 19.25	19.79 19.50	13.71 13.60	19.03 19.09	13.98 14.10	18.96 19.10	18.70 18.68	19.03 19.04	17.24 17.28	18.96 19.02	18.59 18.51
		255° 245°	17.71 17.79	19.30 19.05	19.50 19.66	13.70 13.59	19.29 19.22	14.32 14.23	19.31 19.20	18.53 18.50	18.98 19.33	17.28 17.12	19.13 19.18	18.79 18.65
		235° 225°	17.62 17.65	19.20 19.32	19.80 19.48	13.57 13.59	19.12 19.03	14.15 14.05	19.20 19.15	18.66 18.75	19.29 19.00	17.30 16.95	19.14 19.01	18.71 18.58
		215° 205° 200°	17.59 17.70 17.78	19.23 19.25 18.98	19.70 19.68 19.51	13.58 13.74 13.57	19.30 19.02 19.18	14.09 13.96 14.31	19.05 19.07 19.19	18.62 18.69 18.49	19.06 19.26 19.20	17.30 17.06 17.08	19.04 19.24 19.32	18.61 18.74 18.67
		200° 210°	15.08 15.13	15.06 15.25	13.41	13.35 13.36	13.25 13.26	13.36 13.38	13.17	13.16 13.37	13.08 13.15	13.08 13.43	13.17	13.19
		220° 230°	15.19 15.19	15.33 15.24	13.29	13.26	13.08 13.31	13.09 13.23	13.30 13.23	13.12 13.24	13.15 13.23 13.15	13.30 13.07	13.39	13.25 13.26
		240° 250°	15.23 15.24	15.24 15.20 15.06	13.10	13.16	13.30	13.32	13.44 13.38	13.43	13.22	13.14	13.08	13.09
	Tent mode (screen orientation	260° 270°	15.10 15.42	15.20 15.27	13.22	13.12	13.07	13.09	13.27	13.09	13.30 13.07	13.22	13.44	13.39
	is 180°)	280° 290°	15.39 15.30	15.08 15.29	13.31	13.05 13.17	13.26 13.33	13.42 13.29	13.40 13.12	13.08 13.08	13.45 13.21	13.05	13.23 13.09	13.24 13.41
		300° 310°	15.17 15.27	15.11 15.28	13.11 13.31	13.29 13.40	13.28 13.34	13.41 13.12	13.24 13.36	13.16 13.17	13.16 13.24	13.15 13.38	13.35 13.15	13.25 13.37
		320° 330°	15.38 15.25	15.31 15.12	13.26 13.35	13.26 13.13	13.11 13.44	13.37 13.34	13.23 13.34	13.42 13.20	13.22 13.37	13.11 13.13	13.11 13.31	13.11 13.19
	Tablet	340° 350°	15.43 15.25	15.14 15.10	13.44 13.37	13.20 13.21	13.11 13.10	13.34 13.32	13.17 13.39	13.38 13.12	13.13 13.15	13.12	13.40 13.18	13.31 13.10
		345°	15.14	15.17	13.37	13.08	13.06	13.10	13.16	13.22	13.12	13.06	13.10	13.06
	Tent mode (screen orientation is 180°)	340°	15.40	15.33	13.06	13.38	13.24	13.44	13.05	13.41	13.15	13.36	13.35	13.31
	15 100")	341°	15.35	15.06	13.40	13.34	13.27	13.44	13.21	13.17	13.43	13.15	13.34	13.34
		342° 343°	15.20 15.17	15.15 15.30	13.34 13.37	13.34 13.13	13.13 13.05	13.32 13.31	13.08 13.37	13.11 13.36	13.08 13.34	13.17	13.24 13.33	13.13 13.30
	Tablet	344° 345°	15.10 15.24	15.35 15.42	13.25 13.43	13.24 13.10	13.40 13.17	13.23 13.10	13.33 13.09	13.37 13.31	13.11 13.30	13.10 13.29	13.28 13.16	13.13 13.27
	Total	355° 360°	15.15 15.16	15.16 15.25	13.25 13.41	13.33 13.41	13.19 13.36	13.26 13.16	13.37 13.14	13.27 13.09	13.39 13.18	13.24 13.37	13.12 13.13	13.15 13.17
	Tablet Tent mode	350°	15.32	15.25	13.26	13.33	13.20	13.17	13.38	13.23	13.33	13.23	13.19	13.42
	(screen orientation is 180°)	340°	15.27	15.08	13.24	13.28	13.13	13.27	13.36	13.38	13.08	13.22	13.29	13.36
		345° 344°	15.36 15.17	15.13 15.22	13.21 13.28	13.27 13.25	13.26 13.40	13.24 13.31	13.26 13.15	13.26 13.16	13.32 13.44	13.11 13.06	13.37 13.24	13.38 13.30
	Tablet	343° 342°	15.21 15.40	15.15 15.08	13.36 13.28	13.41 13.32	13.15 13.26	13.39 13.42	13.40 13.10	13.35 13.39	13.17 13.41	13.36 13.25	13.34 13.19	13.11 13.37
		341° 340°	15.38 15.05	15.38 15.33	13.23 13.12	13.20 13.31	13.14 13.06	13.23 13.14	13.22 13.12	13.08 13.44	13.42 13.29	13.23 13.38	13.06 13.35	13.27 13.43
		339°	15.28 15.08	15.13 15.22	13.06 13.08	13.21	13.36 13.19	13.08	13.40 13.23	13.22 13.31	13.12 13.39	13.28 13.31	13.41	13.09 13.14
		337° 336°	15.35 15.05	15.14 15.29	13.36	13.28 13.32	13.26 13.15	13.37	13.09	13.32 13.29	13.42 13.15	13.27	13.37 13.35	13.38 13.06
		335° 325°	15.19 15.16	15.43 15.42	13.19 13.12	13.44 13.13	13.10 13.34	13.31 13.10	13.35 13.42	13.07 13.16	13.18 13.11	13.26 13.31	13.23 13.21	13.10 13.09
	Tent mode (screen orientation is 180°)	315° 305°	15.20 15.15	15.37 15.06	13.27 13.29	13.27 13.38	13.33 13.07	13.21 13.20	13.05 13.21	13.36 13.14	13.42 13.24	13.32 13.25	13.41 13.29	13.41 13.15
Tx2		295° 285° 275°	15.13 15.34 15.44	15.28 15.28 15.38	13.27 13.42 13.39	13.35 13.06	13.21 13.34 13.31	13.20 13.16 13.28	13.21 13.37 13.23	13.38 13.41 13.14	13.44 13.27	13.44 13.09	13.34 13.39	13.11
1.02		265° 255°	15.09 15.28	15.28 15.22	13.16 13.18	13.24 13.36 13.10	13.26 13.14	13.19 13.37	13.10 13.09	13.14 13.09	13.34 13.32 13.21	13.10 13.07 13.22	13.25 13.42 13.09	13.27 13.42 13.09
		245° 235°	15.44 15.25	15.22 15.06 15.26	13.39	13.33	13.18	13.07	13.26 13.13	13.37	13.45	13.07	13.29	13.06
		225° 215°	15.40 15.14	15.23 15.25	13.19 13.30	13.23 13.25	13.27 13.12	13.35 13.41	13.24 13.30	13.08 13.12	13.15 13.10	13.06 13.38	13.14 13.24	13.23 13.43
		205° 200°	15.45 15.40	15.12 15.22	13.35 13.05	13.30 13.39	13.07 13.36	13.44 13.37	13.19 13.33	13.05 13.11	13.28 13.32	13.27 13.39	13.35 13.42	13.22 13.16
	Lid close	0° 10°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A							
	Book mode	20°	N/A	N/A	N/A	N/A	N/A							
	(screen orientation is 90° or 270°)	30°	15.44	15.27	13.29	13.11	13.12	13.15	13.23	13.22	13.21	13.25	13.21	13.14
		25° 26°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A							
	Lid close	27° 28°	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A							
		29° 30°	N/A 15.40	N/A 15.20	N/A 13.14	N/A 13.43	N/A 13.08	N/A 13.45	N/A 13.33	N/A 13.20	N/A 13.25	N/A 13.08	N/A 13.35	N/A 13.45
		31° 32°	15.31 15.21	15.34 15.25	13.06 13.29	13.05 13.36	13.30 13.42	13.25 13.43	13.22 13.36	13.09 13.28	13.20 13.30	13.06 13.41	13.29 13.25	13.43 13.30
		33° 34°	15.21 15.23	15.16 15.25	13.09 13.19	13.08 13.19	13.28 13.36	13.37 13.26	13.14 13.20	13.39 13.35	13.07 13.38	13.22 13.27	13.32 13.22	13.25 13.30
		35° 45°	15.31 15.24	15.31 15.09	13.32 13.32	13.36 13.36	13.22 13.08	13.45 13.38	13.13	13.26 13.41	13.44 13.17	13.18 13.26	13.26 13.19	13.15 13.15
		55° 65° 75°	15.42 15.36 15.37	15.07 15.18 15.38	13.05 13.39 13.39	13.24 13.21 13.08	13.35 13.21 13.38	13.08 13.24 13.31	13.27 13.18 13.45	13.08 13.43 13.28	13.27 13.42 13.31	13.35 13.30 13.20	13.19 13.36 13.22	13.31 13.07 13.39
	Book mode										13.36	13.17	13.11	
	(screen orientation	85° 95°	15.39 15.23	15.33 15.22	13.36 13.28	13.27 13.09	13.35 13.31	13.38 13.12	13.18 13.18	13.21 13.14	13.22	13.40	13.41	13.11 13.36
	is 90° or 270°)	95° 105° 115°	15.23 15.09 15.12	15.22 15.15 15.38	13.28 13.09 13.35	13.09 13.10 13.43	13.31 13.20 13.32	13.12 13.14 13.34	13.18 13.26 13.41	13.14 13.07 13.10	13.22 13.26 13.22	13.40 13.40 13.21	13.41 13.37 13.06	13.36 13.12 13.43
	(screen orientation is 90° or 270°)	95° 105° 116° 125° 135°	15.23 15.09 15.12 15.18 15.22	15.22 15.15 15.38 15.36 15.44	13.28 13.09 13.35 13.36 13.37	13.09 13.10 13.43 13.30 13.10	13.31 13.20 13.32 13.34 13.43	13.12 13.14 13.34 13.28 13.24	13.18 13.26 13.41 13.43 13.20	13.14 13.07 13.10 13.21 13.44	13.22 13.26 13.22 13.36 13.31	13.40 13.40 13.21 13.07 13.37	13.41 13.37 13.06 13.09 13.24	13.36 13.12 13.43 13.33 13.29
	(screen onentation is 90° or 270°)	95° 105° 115° 125° 135° 145° 155°	15.23 15.09 15.12 15.18 15.22 15.16 15.25	15.22 15.15 15.38 15.36 15.44 15.23	13.28 13.09 13.35 13.36 13.37 13.12 13.25	13.09 13.10 13.43 13.30 13.10 13.45 13.16	13.31 13.20 13.32 13.34 13.43 13.33 13.15	13.12 13.14 13.34 13.28 13.24 13.06 13.17	13.18 13.26 13.41 13.43 13.20 13.40 13.41	13.14 13.07 13.10 13.21 13.44 13.29 13.32	13.22 13.26 13.22 13.36 13.31 13.40 13.44	13.40 13.40 13.21 13.07 13.37 13.15 13.20	13.41 13.37 13.06 13.09 13.24 13.21 13.15	13.36 13.12 13.43 13.33 13.29 13.06 13.27
	(screen onentation is 90° or 270°)	95° 105° 116° 126° 135° 145° 156° 166° 176°	15.23 15.09 15.12 15.18 15.22 15.16 15.25 15.35	15.22 15.15 15.38 15.36 15.44 15.23 15.22 15.39 15.22	13.28 13.09 13.35 13.36 13.37 13.12 13.25 13.33 13.08	13.09 13.10 13.43 13.30 13.10 13.45 13.16 13.08	13.31 13.20 13.32 13.34 13.43 13.33 13.15 13.09 13.35	13.12 13.14 13.34 13.28 13.24 13.06 13.17 13.42	13.18 13.26 13.41 13.43 13.20 13.40 13.41 13.16	13.14 13.07 13.10 13.21 13.44 13.29 13.32 13.31 13.11	13.22 13.26 13.22 13.36 13.31 13.40 13.44 13.44	13.40 13.40 13.21 13.07 13.37 13.15 13.20 13.15 13.07	13.41 13.37 13.06 13.09 13.24 13.21 13.15 13.07	13.36 13.12 13.43 13.33 13.29 13.06 13.27 13.35 13.05
	(screen orientation is 90° or 270°)	95° 105° 115° 125° 135° 145° 165° 165° 175° 186° 195°	15.23 15.09 15.12 15.18 15.22 15.16 15.25 15.35 15.25 15.35	15.22 15.15 15.38 15.36 15.44 15.23 15.22 15.39 15.22 15.08	13.28 13.09 13.35 13.36 13.37 13.12 13.25 13.33 13.08 13.19	13.09 13.10 13.43 13.30 13.10 13.45 13.16 13.08 13.30 13.31	13.31 13.20 13.32 13.34 13.33 13.15 13.09 13.35 13.29 13.17	13.12 13.14 13.34 13.28 13.24 13.06 13.17 13.42 13.14 13.10	13.18 13.26 13.41 13.43 13.20 13.40 13.41 13.16 13.29	13.14 13.07 13.10 13.21 13.24 13.29 13.32 13.31 13.11 13.11	13.22 13.26 13.22 13.36 13.31 13.40 13.44 13.44 13.26 13.15	13.40 13.40 13.21 13.07 13.37 13.15 13.20 13.15 13.07 13.10	13.41 13.37 13.06 13.09 13.24 13.21 13.15 13.07 13.12 13.20	13.36 13.12 13.43 13.33 13.29 13.06 13.27 13.35 13.05
	(screen orientation is 90° or 270°)	95° 105° 115° 126° 135° 145° 145° 155° 165° 175° 185° 200° 190°	15.23 15.09 15.12 15.18 15.22 15.16 15.22 15.35 15.25 15.35 15.25 15.35 15.09 15.09	15.22 15.15 15.38 15.36 15.44 15.22 15.39 15.22 15.08 15.24 15.23 15.08	13.28 13.09 13.36 13.36 13.37 13.12 13.25 13.33 13.08 13.19 13.25 13.37 13.06	13.09 13.10 13.43 13.30 13.10 13.45 13.16 13.06 13.30 13.31 13.09 13.39 13.39	13.31 13.20 13.32 13.34 13.43 13.33 13.15 13.09 13.35 13.29 13.17 13.16	13.12 13.14 13.34 13.28 13.24 13.06 13.17 13.42 13.10 13.40 13.22 13.31	13.18 13.26 13.41 13.43 13.20 13.40 13.41 13.16 13.44 13.29 13.11 13.37	13.14 13.07 13.10 13.21 13.44 13.29 13.32 13.31 13.11 13.12 13.34 13.16 13.44	13.22 13.26 13.22 13.36 13.31 13.40 13.44 13.44 13.26 13.15 13.21 13.26	13.40 13.40 13.21 13.07 13.37 13.15 13.20 13.15 13.07 13.10 13.24 13.19 13.12	13.41 13.37 13.06 13.09 13.24 13.21 13.15 13.07 13.12 13.20 13.25 13.25 13.32	13.36 13.12 13.43 13.33 13.29 13.06 13.27 13.35 13.36 13.30 13.30 13.30 13.30
	(screen orientation is 90° or 270°)	95° 105° 115° 125° 135° 135° 145° 165° 165° 165° 165° 200°	15.23 15.09 15.12 15.18 15.22 15.16 15.25 15.36 15.22 15.13 15.09	15.22 15.15 15.38 15.36 15.44 15.23 15.22 15.39 15.22 15.08 15.44 15.23	13.28 13.09 13.35 13.36 13.37 13.12 13.25 13.33 13.08 13.19 13.25 13.37	13.09 13.10 13.43 13.30 13.10 13.45 13.16 13.08 13.30 13.31 13.31	13.31 13.20 13.32 13.34 13.43 13.33 13.15 13.09 13.35 13.29 13.17	13.12 13.14 13.34 13.28 13.24 13.06 13.17 13.42 13.14 13.10 13.40	13.18 13.26 13.41 13.43 13.20 13.40 13.41 13.16 13.44 13.29 13.11 13.37 13.31 13.31 13.32	13.14 13.07 13.10 13.21 13.24 13.29 13.32 13.31 13.11 13.12 13.34 13.16	13.22 13.26 13.22 13.36 13.31 13.40 13.44 13.44 13.26 13.15	13.40 13.40 13.21 13.07 13.37 13.15 13.20 13.15 13.07 13.10 13.24 13.19	13.41 13.37 13.06 13.09 13.24 13.21 13.15 13.07 13.12 13.25 13.25	13.36 13.12 13.43 13.33 13.29 13.06 13.27 13.35 13.05 13.40 13.35 13.40
	(screen orientation is 90° or 270°)	95' 105' 115' 125' 135' 145' 165' 165' 165' 177' 186' 196' 170' 180' 170' 160' 150' 140'	15.23 15.09 15.12 15.18 15.22 15.16 15.25 15.35 15.35 15.07 15.07 15.07 15.39 15.37 15.39	15.22 15.15 15.36 15.36 15.44 15.23 15.23 15.22 15.39 15.22 15.06 15.44 15.23 15.14 15.15 15.15 15.16 15.15 15.16 15.16 15.23	13.28 13.09 13.36 13.36 13.37 13.12 13.25 13.33 13.08 13.19 13.25 13.37 13.08 13.29 13.22 13.29 13.32	13.09 13.10 13.43 13.30 13.10 13.45 13.16 13.08 13.30 13.31 13.09 13.39 13.39 13.39 13.21 13.21 13.21 13.21	13.31 13.20 13.32 13.34 13.43 13.43 13.15 13.09 13.35 13.29 13.16 13.16 13.13 13.33 13.33 13.34 13.33	13.12 13.14 13.34 13.28 13.26 13.06 13.17 13.42 13.10 13.40 13.22 13.31 13.31 13.13 13.13 13.13 13.14	13.18 13.26 13.41 13.43 13.20 13.40 13.41 13.16 13.44 13.29 13.11 13.37 13.37 13.32 13.23 13.23 13.23 13.23	13.14 13.07 13.10 13.21 13.44 13.29 13.32 13.31 13.11 13.12 13.34 13.16 13.46 13.47 13.28	13.22 13.26 13.27 13.38 13.31 13.40 13.44 13.44 13.26 13.15 13.21 13.20 13.21 13.22 13.21 13.22	13.40 13.40 13.21 13.07 13.37 13.15 13.20 13.15 13.20 13.10 13.24 13.19 13.24 13.10 13.26 13.10 13.26 13.10	13.41 13.37 13.09 13.09 13.24 13.21 13.15 13.07 13.12 13.25 13.25 13.25 13.35 13.35 13.35 13.35 13.42	13.36 13.12 13.43 13.33 13.29 13.06 13.27 13.35 13.36 13.30 13.35 13.19 13.35 13.19 13.35 13.19
	is 90° or 270°)	95' 105' 115' 125' 135' 145' 155' 165' 175' 165' 175' 186' 1775' 186' 190' 190' 190' 110' 110' 120' 120' 120'	15.29 15.09 15.12 15.18 15.22 15.16 15.25 15.26 15.26 15.27 15.00 15.07 15.00 15.07 15.00 15.37 15.38 15.37 15.38 15.37 15.38 15.37 15.38	15.22 15.15 15.30 15.30 15.34 15.22 15.22 15.29 15.22 15.39 15.22 15.00 15.44 15.23 15.14 15.23 15.15 15.36 15.36 15.31	13.28 13.00 13.35 13.36 13.37 13.12 13.25 13.33 13.06 13.19 13.25 13.37 13.06 13.25 13.37 13.06 13.25 13.37 13.06 13.25 13.37 13.06 13.37 13.25 13.25	13.09 13.10 13.43 13.30 13.10 13.45 13.10 13.45 13.16 13.30 13.31 13.08 13.31 13.39 13.39 13.39 13.39 13.39 13.39 13.31 13.21 13.21 13.21 13.21 13.21 13.21 13.22 13.22 13.22 13.37	13.31 13.20 13.32 13.34 13.43 13.43 13.15 13.09 13.35 13.16 13.29 13.17 13.16 13.33 13.16 13.33 13.16 13.30 13.35 13.17 13.18 13.30 13.31 13.30 13.31 13.31 13.31 13.30 13.31 13.31 13.31 13.31 13.30 13.30 13.30 13.31	13.12 13.14 13.34 13.28 13.28 13.20 13.06 13.17 13.40 13.14 13.10 13.40 13.22 13.31 13.31 13.31 13.31 13.33 13.33 13.33 13.33 13.33 13.33	13.18 13.26 13.41 13.43 13.20 13.44 13.40 13.41 13.16 13.44 13.29 13.11 13.37 13.34 13.29 13.11 13.20 13.11 13.20 13.11 13.20 13.11 13.20	13.14 13.07 13.10 13.21 13.24 13.29 13.32 13.31 13.11 13.12 13.34 13.16 13.44 13.26 13.26 13.26 13.26 13.26 13.27 13.28	13.22 13.26 13.26 13.36 13.31 13.34 13.34 13.34 13.34 13.32 13.26 13.27 13.26 13.27 13.26 13.27 13.27 13.27 13.28 13.29 13.29 13.20	13.40 13.40 13.21 13.07 13.37 13.16 13.20 13.16 13.20 13.16 13.07 13.10 13.24 13.19 13.12 13.10 13.12 13.10 13.12 13.10 13.12 13.10 13.12 13.10 13.12 13.10 13.12 13.10 13.12 13.10	13.41 13.37 13.06 13.09 13.24 13.21 13.15 13.17 13.17 13.12 13.20 13.25 13.32 13.32 13.35 13.36 13.36 13.36 13.36 13.36 13.36	13.36 13.12 13.43 13.33 13.29 13.06 13.27 13.06 13.27 13.35 13.06 13.40 13.35 13.40 13.35 13.15 13.27
	is 90° or 270°)	95' 105' 115' 125' 135' 145' 155' 166' 175' 186' 176' 190' 190' 100' 100' 120' 110' 120' 110' 120' 110'	15.23 15.09 16.12 15.16 15.16 15.16 15.25 15.26 15.26 15.26 15.27 15.30 15.09 15.09 15.09 15.09 15.09 15.09 15.09 15.00 15.30	15.22 15.15 15.38 15.38 15.22 15.22 15.22 15.22 15.22 15.08 15.22 15.08 15.14 15.15	13.26 13.36 13.36 13.36 13.37 13.37 13.37 13.32 13.32 13.30 13.19 13.29 13.37 13.30	13.09 13.10 13.45 13.50 13.10 13.10 13.10 13.00 13.00 13.00 13.30 13.30 13.30 13.30 13.21 13.20 13.21	13.31 13.20 13.32 13.33 13.34 13.35 13.35 13.35 13.35 13.20 13.35 13.20 13.21 13.15 13.16 13.21 13.17 13.16 13.33 13.35 13.26 13.27 13.17 13.16 13.35 13.26 13.27 13.17 13.16 13.35 13.35 13.26 13.27	13.12 13.14 13.34 13.36 13.26 13.26 13.26 13.27 13.14 13.10 13.22 13.31	13.18 13.26 13.41 13.20 13.43 13.20 13.20 13.20 13.20 13.20 13.21 13.16 13.29 13.11 13.37 13.37 13.32 13.22 13.23 13.23 13.25	13.14 13.07 13.10 13.21 13.44 13.21 13.32 13.31 13.11 13.12 13.34 13.16 13.26 13.34 13.16 13.26	13.22 13.26 13.27 13.36 13.37 13.31 13.34 13.34 13.34 13.36 13.36 13.36 13.36 13.36 13.26 13.26 13.27 13.20 13.20 13.20 13.20 13.36	13.40 13.40 13.21 13.07 13.37 13.15 13.20 13.15 13.20 13.15 13.07 13.10 13.24 13.19 13.12 13.10 13.26 13.18 13.36	13.41 13.37 13.06 13.29 13.20 13.21 13.21 13.27 13.27 13.27 13.28 13.26 13.26 13.32	13.36 13.12 13.43 13.23 13.23 13.23 13.20 13.35 13.36 13.36 13.36 13.36 13.39 13.16 13.27 13.39 13.16 13.27 13.39 13.19 13.39 13.10 13.39 13.10 13.39 13.30 13.30 13.30 13.30
	is 90° or 270°)  Book mode (screen orientation	95' 105' 115' 125' 125' 135' 145' 145' 165' 165' 177' 185' 195' 200' 190' 190' 110' 110' 110' 110' 110' 1	15.23 15.09 15.12 15.15 15.12 15.12 15.25 15.25 15.25 15.25 15.25 15.27 15.09 15.07 15.09 15.07 15.09 15.07 15.09 15.07 15.09 15.07 15.09 15.07 15.09	15.22 15.15 15.36 15.36 15.44 15.45 15.45 15.22 15.09 15.22 15.09 15.22 15.09 15.22 15.00 15.15	13.26 13.36 13.36 13.37 13.37 13.37 13.37 13.32	13.09 13.10 13.10 13.10 13.10 13.10 13.10 13.45 13.10 13.46 13.10 13.10 13.10 13.20 13.30	13.31 13.32 13.32 13.33 13.43 13.43 13.43 13.53 13.20 13.35 13.20 13.35 13.20 13.17 13.16 13.13 13.31 13.31 13.33 13.30 13.44 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.30 13.44 13.31	13.12 13.14 13.34 13.24 13.24 13.24 13.25 13.24 13.17 13.42 13.10 13.40 13.22 13.31	13.18 13.26 13.41 13.20 13.43 13.20 13.20 13.20 13.21 13.16 13.22 13.11 13.37 13.11 13.37 13.12 13.22 13.22 13.23 13.12 13.22 13.23 13.25	13.14 13.07 13.10 13.21 13.24 13.25 13.25 13.31 13.31 13.31 13.31 13.16 13.34 13.16 13.26	13.22 13.26 13.26 13.36 13.31 13.31 13.44 13.44 13.44 13.45 13.21 13.21 13.20 13.20 13.21 13.20 13.21 13.20 13.21 13.21 13.20 13.21 13.21 13.20 13.21 13.21 13.21 13.21 13.22 13.21 13.21 13.22 13.21 13.21 13.22 13.21 13.22 13.21 13.22 13.21 13.22 13.21 13.22 13.21 13.22	13.40 13.40 13.27 13.37 13.37 13.37 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.11 13.10 13.12 13.10 13.12 13.10 13.12 13.11 13.12 13.13 13.13 13.11 13.12 13.13 13.13 13.13 13.13 13.28	13.41 13.47 13.50 13.50 13.50 13.50 13.50 13.51 13.51 13.50 13	12.36 13.12 13.43 13.23 13.23 13.20 13.20 13.35 13.20 13.36 13.40 13.36 13.19 13.39 13.16 13.27 13.41 13.27 13.41 13.29 13.39 13.15 13.20 13.30 13.30 13.30 13.30 13.30 13.30 13.30
	is 90° or 270°)  Book mode (screen orientation	95' 105' 115' 125' 135' 146' 165' 165' 165' 165' 165' 165' 165' 16	16.22   16.22	16.22 16.10 16.10 16.10 16.10 16.10 16.22 16.22 16.22 16.22 16.22 16.22 16.22 16.22 16.22 16.22 16.22 16.22 16.23 16.44 16.22 16.23 16.44 16.22 16.23 16.44 16.22 16.23 16.24 16.23 16.24 16.23 16.24 16.25	11.28 13.29 13.30	13,09 13,145 13,	13.31 13.32 13.32 13.34 13.34 13.35 13.35 13.36 13.36 13.36 13.36 13.36 13.37 13.37 13.36 13.36 13.36 13.37 13.36 13.36 13.36 13.37 13.36	13.12 13.12 13.14 13.24 13.26 13.26 13.27 13.26 13.17 13.42 13.41 13.41 13.42 13.41	13.18 13.26 13.26 13.26 13.26 13.40 13.40 13.41 13.16 13.41 13.16 13.44 13.34	13.14 13.107 13.107 13.107 13.107 13.20 13.32 13.31 13.11 13.11 13.34 13	13.22 13.26 13.26 13.36 13.36 13.36 13.44 13.44 13.44 13.26	13.40 13.40 13.40 13.40 13.40 13.50 13.07 13.15 13.20 13.16 13.20 13.16 13.20 13.16 13.20 13.16 13.20	13.41 13.97 13.09 15.00 15.00 15.00 13.21 13.21 13.21 13.21 13.22 13.23 13.25 13.35 13.36	13.36 13.12 13.40 13.40 13.40 13.40 13.40 13.27 13.36 13.36 13.37 13.39 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30
	is 90° or 270°)  Book mode (screen orientation	96'- 105'- 115'- 115'- 115'- 155'- 155'- 155'- 155'- 155'- 155'- 155'- 155'- 155'- 155'- 150'- 1	15.23 15.02 15.02 15.16 15.16 15.16 15.22 15.16 15.22 15.16 15.26 15.26 15.26 15.26 15.26 15.26 15.26 15.26 15.26 15.26 15.26 15.26 15.26 15.26 15.26 15.27 15.26 15.27 15.26 15.27 15.26 15.27 15.26 15.27 15.36 15.37 15.30 15.40 15.37 15.30 15.40 15.37 15.30 15.40 15.37 15.30 15.40 15.37 15.30 15.40 15.30	15.22 15.23 15.23 15.23 15.24 15.22 15.36 15.22 15.39 15.24 15.22 15.39 15.24 15.23 15.39 15.31 15.31 15.31 15.32 15.33	13.26 13.26 13.36 13.37 13.12 13.25 13.25 13.25 13.26 13.37 13.06 13.37 13.06 13.37 13.06 13.37 13.20 13.37 13.20 13.37 13.20 13.37 13.20 13.30	13,09 13,145 13,145 13,145 13,145 13,145 13,145 13,146 13,06 13,36 13,36 13,36 13,37 13,37 13,38 13,39 13,31 13,39 13,31 13,32 13,21 13,21 13,21 13,22 13,22 13,23 13,24	13.31 13.32 13.32 13.34 13.34 13.35 13.35 13.36 13.39 13.39 13.39 13.39 13.39 13.30	13.12 13.14 13.34 13.35 13.24 13.06 13.17 13.42 13.10 13.10 13.10 13.10 13.10 13.11 13.13 13	13.18 13.26 13.26 13.45 13.45 13.45 13.40 13.40 13.40 13.41 13.16 13.27 13.34 13.27 13.37	13.14 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.20 13.32 13.31 13.11 13.12 13.12 13.12 13.12 13.12 13.12 13.12 13.14 13.20 13.20 13.20 13.20 13.30	13.22 13.26 13.26 13.26 13.26 13.27 13.44 13.44 13.44 13.26 13.15 13.26 13.15 13.26 13.15 13.26 13.15 13.26 13.15 13.26 13.27 13.20	13.40 13.40 13.40 13.40 13.40 13.50 13.57 13.17 13.15 13.20 13.16 13.10 13.10 13.11 13.12 13.10 13.12 13.10 13.26 13.10 13.27 13.11 13.22 13.37 13.31 13.22 13.32	13.41 13.97 13.09 13.09 13.09 13.15 13.15 13.07 13.07 13.07 13.07 13.08 13.36	13.36 13.12 13.40 13.40 13.40 13.50 13.06 13.70 13.50 13.06 13.40 13.50 13.10
	is 90° or 270°)  Book mode (screen orientation	90' 105' 105' 115' 115' 115' 115' 115' 11	16.22 at 16.23 at 16.20 at 16.23 at 16.20 at 16.23 at 16.20 at 16.23 at 16.20 at 16.	16.22 1.15.25	13.28   13.28   13.29   13.29   13.29   13.29   13.27   13.27   13.27   13.28   13.29	13.09 13.10	13.31 13.32 13.34 13.34 13.34 13.35 13.36 13.36 13.36 13.30 13.40 13.30 13.40 13.30 13.40 13.50 13	13.12 13.14 13.24 13.24 13.24 13.24 13.06 13.14 13.15 13.16 13.16 13.16 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.22 13.31 13.32 13.33 13.30 13	13.18 13.26 13.26 13.26 13.26 13.20 13.20 13.20 13.20 13.20 13.20 13.21 13.21 13.21 13.31 13.32 13.31 13.32 13.31 13.32 13.33 13.32 13.33 13.32 13.33 13.32 13.33 13.33 13.33 13.34 13.35 13.36 13.36 13.37 13.39 13.31	13.14 13.07 13.07 13.21 13.21 13.24 13.24 13.25 13.34 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.30 13.20	13.22 13.26 13.26 13.36 13.31 13.40 13.31 13.44 13.26 13.21	13.40 13.40 13.40 13.40 13.47 13.97 13.97 13.10	13.41 13.47 13.50 13	113.6 113.6 113.2 113.3 113.3 113.3 113.9 113.6 11
	Book mode (cores orientation is 50° or 270°)	90' 100' 100' 100' 100' 100' 100' 100' 1	16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.23	16.22 1.15.25	13.28   13.29   13.20	13.09 13.10	13.31 13.32 13.32 13.34 13.34 13.34 13.35 13.16 13.36 13.36 13.36 13.37 13.37 13.37 13.39 13.39 13.30 13.30 13.34 13.30 13.34 13.30 13.34 13.30 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44	13.12 13.14 13.24 13.24 13.24 13.24 13.06 13.14 13.17 13.17 13.10 13	13.18 13.26 13.26 13.26 13.26 13.20 13.20 13.20 13.20 13.20 13.20 13.21 13.21 13.21 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.33 13.31 13.32 13.33 13.31 13.32 13.33 13.33 13.33 13.34 13.35 13.30 13.30 13.31	13.14 13.16 13.07 13.17 13.21 13.21 13.24 13.29 13.32 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.30	13.22 13.26 13.26 13.36 13.31 13.40 13.31 13.44 13.26 13.21	13.40 13.40 13.40 13.40 13.47 13.97 13.97 13.10	13.41 13.41 13.43 13.55 13.50	113.60 113.10 113.10 113.10 113.20
	Book mode (screen inertation is 80° or 270°)	90' 105' 105' 115' 115' 115' 115' 115' 11	16.22 at 16.23 at 16.20 at 16.23 at 16.20 at 16.23 at 16.20 at 16.23 at 16.20 at 16.	16.22 1.15.25	13.28   13.28   13.29   13.29   13.29   13.29   13.27   13.27   13.27   13.28   13.29	13.09 13.10	13.31 13.32 13.34 13.34 13.34 13.35 13.36 13.36 13.36 13.30 13.40 13.30 13.40 13.30 13.40 13.50 13	13.12 13.14 13.24 13.24 13.24 13.24 13.06 13.14 13.15 13.16 13.16 13.16 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.10 13.22 13.31 13.32 13.33 13.30 13	13.18 13.26 13.26 13.26 13.26 13.20 13.20 13.20 13.20 13.20 13.20 13.21 13.21 13.21 13.31 13.32 13.31 13.32 13.31 13.32 13.33 13.32 13.33 13.32 13.33 13.32 13.33 13.33 13.33 13.34 13.35 13.36 13.36 13.37 13.39 13.31	13.14 13.07 13.07 13.21 13.21 13.24 13.24 13.25 13.34 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.30 13.20	13.22 13.26 13.26 13.36 13.31 13.40 13.31 13.44 13.26 13.21	13.40 13.40 13.40 13.40 13.47 13.97 13.97 13.10	13.41 13.47 13.50 13	13.36 13.17 13.17 13.17 13.18 13.19 13.29 13.29 13.06 13.06 13.07 13.07 13.07 13.08 13.08 13.08 13.08 13.08 13.08 13.08 13.08 13.08 13.18 13.18 13.18 13.27 13.28 13.28 13.28 13.28 13.28 13.38 13.28 13.38
	Book mode (screen orientation is 90° or 270°)  Lid close Book mode (screen orientation is 90° or 270°)	90' 100' 100' 100' 100' 100' 100' 100' 1	16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.22   16.23	16.22 1.15.25	13.28   13.29   13.20	13.09 13.10	13.31 13.32 13.32 13.34 13.34 13.34 13.35 13.16 13.36 13.36 13.36 13.37 13.37 13.37 13.39 13.39 13.30 13.30 13.34 13.30 13.34 13.30 13.34 13.30 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44 13.40 13.44	13.12 13.14 13.24 13.24 13.24 13.24 13.06 13.14 13.17 13.17 13.10 13	13.18 13.26 13.26 13.26 13.26 13.20 13.20 13.20 13.20 13.20 13.20 13.21 13.21 13.21 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.33 13.31 13.32 13.33 13.31 13.32 13.33 13.33 13.33 13.34 13.35 13.30 13.30 13.31	13.14 13.16 13.07 13.17 13.21 13.21 13.24 13.29 13.32 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.30	13.22 13.26 13.26 13.36 13.31 13.40 13.31 13.44 13.26 13.21	13.40 13.40 13.40 13.40 13.47 13.97 13.97 13.10	13.41 13.41 13.43 13.55 13.50	13.36 13.17 13.17 13.18 13.19 13.29 13.29 13.29 13.20
	Book mode (screen orientation is 50° or 270°)  Lid close Book mode (screen orientation is 50° or 270°)	90' 100' 100' 100' 100' 100' 100' 100' 1	16.22   16.23   16.23	16.22 16.23 16.13 16.23 16.13 16.24 16.24	13.26 13.26 13.30 13.30 13.37 13.12 13.25 13.30 13.31 13.12 13.30	13.09 13.10 13.10 13.10 13.10 13.10 13.45 13.10 13.46 13.10 13.46 13.10 13.10 13.20 13.30	13.31 13.32 13.32 13.34 13.34 13.34 13.35 13.16 13.35 13.16 13.35 13.36 13.36 13.37 13.36	13.12 13.14 13.14 13.14 13.24 13.24 13.26 13.24 13.06 13.17 13.41 13.15 13.11 13.14 13.27 13.27 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.32 13.33 13.34 13.35	13.18 13.26 13.26 13.26 13.26 13.26 13.26 13.26 13.20 13.20 13.20 13.20 13.20 13.20 13.20 13.21 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.32 13.31 13.31 13.32 13.31 13.31 13.31 13.32 13.31 13.31 13.32 13.31	13.14 13.20 13.27 13.21 13.21 13.29 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.34 13.34 13.34 13.34 13.34 13.34 13.34 13.36 13.34 13.36 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.30 13.31 13.30 13.30 13.31 13.30	13.22 13.26 13.26 13.37 13.39 13.39 13.39 13.40 13.44 13.44 13.44 13.44 13.45 13.40 13.41 13.20 13.25 13.20 13.25 13.20 13.25 13.20	13.40 13.40 13.40 13.40 13.07 13.07 13.07 13.15 13.20 13.16 13.20 13.10 13.20 13.10 13.20 13.30 13.31 13.20 13.30 13.31 13.32 13.30	13.41 13.37 13.57 13.58 13.59 13.59 13.59 13.24 13.21 13.27 13.20 13.25 13.25 13.25 13.25 13.25 13.26 13.30 13.31 13.41 13.42 13.43 13.43 13.43 13.44	13.36 13.12 13.37 13.29 13.30 13.29 13.06 13.27 13.30 13.31 13.30 13.30 13.31 13.30 13.31 13.31 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.32 13.30 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31
	Book mode (screen orientation is 90° or 270°)  Lid close Book mode (screen orientation is 90° or 270°)	90' 100' 110' 110' 110' 110' 110' 110' 1	16.20 16.20	16.22 16.12 16.13 16.13 16.14 16.15 16.14 16.22 16.13 16.22 16.23 16.24	13.26 13.26 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27 13.26 13.27	13.09 13.10	13.31 13.32 13.32 13.34 13.34 13.34 13.35 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.17 13.16 13.13 13.17 13.16 13.13 13.16	13.12 13.14 13.14 13.24 13.24 13.24 13.26 13.24 13.06 13.17 13.42 13.21 13.41 13.40 13.22 13.31 13.32 13.31 13.31 13.32 13.31 13.31 13.31 13.32 13.31 13.31 13.32 13.33 13.33 13.33 13.33 13.33 13.33 13.33 13.30 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13.00 13	13.18 13.26 13.26 13.26 13.26 13.26 13.26 13.26 13.26 13.20 13.40 13.41 13.16 13.17 13.18	13.14 13.16 13.07 13.27 13.27 13.27 13.29 13.32 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.34 13.30 13.34 13.30	13.22 13.26 13.26 13.36 13.37 13.39 13.39 13.34 13.44 13.44 13.44 13.44 13.45 13.41 13.45 13.21 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.30 13.31 13.31 13.30 13.30	13.40 13.40 13.40 13.40 13.40 13.07 13.07 13.07 13.15 13.20 13.15 13.20 13.15 13.20 13.10 13.24 13.10 13.24 13.10 13.24 13.10 13.24 13.10 13.25 13.10 13.27 13.29 13.20 13.30 13.30 13.31 13.20 13.30 13.30 13.31 13.20 13.30	13.41 13.47 13.56 13.59 13.59 13.59 13.24 13.27 13.15 13.15 13.15 13.15 13.15 13.15 13.15 13.20 13.26 13.26 13.26 13.32 13.32 13.32 13.32 13.32 13.32 13.32 13.32 13.32 13.32 13.32 13.32 13.33 13.31	13.36 13.12 13.37 13.38 13.39 13.31 13.39 13.30
	Book mode (screen orientation is 50° or 270°)  Lid close Book mode (screen orientation is 50° or 270°)	90' 100' 100' 100' 100' 100' 100' 100' 1	16.22 at 16.23 at 16.22 at 16.23 at 16.	16.22 1.15.25	13.28   13.29   13.20	13.09 13.10	13.31 13.32 13.34 13.34 13.34 13.35 13.34 13.35 13.36 13.36 13.36 13.37 13.37 13.37 13.37 13.39 13.39 13.30 13.44 13.30 13.44 13.30 13.44 13.30 13.44 13.30 13.44 13.30 13.44 13.30 13.44 13.30 13.44 13.30 13.44 13.30 13.44 13.30 13.44 13.30 13.43 13.30 13.44 13.30 13.43 13.30 13.44 13.30 13.43 13.30 13.44 13.30 13.43 13.30 13.44 13.30 13.43 13.30 13.44 13.30 13.43 13.30 13.44 13.30 13.44 13.30 13.45 13.30 13.40	13.12 13.14 13.24 13.24 13.24 13.24 13.24 13.06 13.14 13.15 13.17 13.10 13.00 13.10 13	13.18 13.26 13.26 13.26 13.26 13.26 13.20 13.20 13.20 13.20 13.20 13.20 13.21 13.21 13.21 13.22 13.31 13.32 13.32 13.31 13.32 13.33 13.32 13.33 13.34 13.35 13.36 13.36 13.36 13.37 13.38 13.38 13.38 13.39 13.31 13.30 13.31 13.31 13.31 13.32 13.34 13.34 13.34 13.35 13.36 13.36 13.37 13.38	13.14 13.16 13.07 13.17 13.21 13.21 13.24 13.29 13.32 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.31 13.30	13.22 13.26 13.26 13.36 13.37 13.39 13.39 13.39 13.30	13.40 13.40 13.40 13.47 13.97 13.97 13.10 13.27 13.15 13.20 13.10 13.20 13.10 13.20 13.10 13.20 13.10 13.20 13.10 13.20 13.10 13.20 13.10 13.20 13.10 13.20 13.10 13.20	13.41 13.47 13.37 13.57 13.59 13.59 13.59 13.59 13.59 13.59 13.50	113.66 13.17 13.17 13.17 13.18

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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### § 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 recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Section 17.4.5, copyright 1986 by NCRP, Bethesda, Maryland 20814. Limits for whole body SAR and peak spatial-average SAR are based

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

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

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

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

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Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	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 <sup>2</sup> )	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500- 100,000			5	<6
	(ii) Limits for Genera	l Population/Uncontrolle	d Exposure	
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	<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  $\S 1.1310(e)(1)$  - Limits for Maximum Permissible Exposure (MPE)

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# **MAXIMUM OUTPUT POWER**

#### 6.1 **WLAN**

### Tablet mode

Tablet mode			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		15.50	15.49
	802.11b	6	2437	1Mbps	15.50	15.48
		11	2462		15.50	15.47
		1	2412		15.50	15.24
	802.11g	6	2437	6Mbps	15.50	15.28
	_	11	2462		15.50	15.21
	802.11n20-HT0	1	2412	MCS0	15.50	15.22
		6	2437		15.50	15.15
		11	2462		15.50	15.17
		1	2412	MCS0	15.50	15.27
	802.11ac20-VHT0	6	2437		15.50	15.12
2.45GHz		11	2462		15.50	15.28
2.40GHZ	802.11ax20-HE0	1	2412	MCS0	15.50	15.27
		6	2437		15.50	15.26
		11	2462		15.50 15.50 15.50 15.50 0 15.50 15.50 15.50 15.50 15.50 15.50 15.50 15.50 15.50 15.50 15.50 15.50 15.50 15.50	15.30
		3	2422	MCS0	15.00	14.80
	802.11n40-HT0	6	2437		15.50	15.16
		9	2452		15.00	14.63
	802.11ac40-VHT0	3	2422	MCS0	15.00	14.79
		6	2437		15.50	15.18
		9	2452		15.00	14.60
		3	2422		15.00	14.61
	802.11ax40-HE0	6	2437	MCS0	15.50	15.21
		9	2452		15.00	14.72

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	1		Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		13.50	13.12
	902.446	40	5200	6Mbps	13.50	13.29
	802.11a	44	5220		13.50	13.29
		48	5240		13.50	13.25
		36	5180		13.50	13.23
	802.11n20-HT0	40	5200	MCCO	13.50	13.12
	802.111120-1110	44	5220	MCS0	13.50	13.23
		48	5240		13.50	13.28
	802.11ac20-VHT0	36	5180	MCS0	13.50	13.22
		40	5200		13.50	13.25
		44	5220		13.50	13.27
		48	5240		13.50	13.29
5.15-5.25 GHz	802.11ax20-HE0	36	5180	MCS0	13.50	13.28
5.15-5.25 GHZ		40	5200		13.50	13.12
		44	5220		13.50	13.11
		48	5240		13.50	13.27
	802.11n40-HT0	38	5190	MCS0	13.50	13.23
		46	5230		13.50	13.20
	902 11co40 \/UT0	38	5190	MCS0	13.50	13.16
	802.11ac40-VHT0	46	5230		13.50	13.21
	802.11ax40-HE0	38	5190	MCS0	13.50	13.26
		46	5230		13.50	13.29
	802.11ac80-VHT0	42	5210	MCS0	13.50	13.49
	802.11ax80-HE0	42	5210	MCS0	13.50	13.21
	802.11ac160-VHT0	50	5250	MCS0	10.50	10.19
	802.11ax160-HE0	50	5250	MCS0	10.50	10.23

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			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		13.50	13.20
	802.11a	56	5280	6Mbps	13.50	13.24
		60	5300		13.50	13.21
		64	5320		13.50	13.13
		52	5260	MCS0	13.50	13.19
	802.11n20-HT0	56	5280		13.50	13.26
		60	5300		13.50	13.20
		64	5320		13.50	13.15
		52	5260	MCS0	13.50	13.14
	802.11ac20-VHT0	56	5280		13.50	13.13
		60	5300		13.50	13.14
5.25-5.35 GHz		64	5320		13.50	13.17
5.25-5.35 GHZ	802.11ax20-HE0	52	5260	MCS0	13.50	13.26
		56	5280		13.50	13.20
		60	5300		13.50	13.18
		64	5320		13.50	13.27
	802.11n40-HT0	54	5270	MCS0	13.50	13.21
		62	5310		13.50	13.16
	802.11ac40-VHT0	54	5270	MCS0	13.50	13.28
		62	5310		13.50	13.12
	802.11ax40-HE0	54	5270	MCS0	13.50	13.22
		62	5310		13.50	13.17
	802.11ac80-VHT0	58	5290	MCS0	13.50	13.49
	802.11ax80-HE0	58	5290	MCS0	13.50	13.15

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			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		13.50	13.28
	000.44	120	5600	0141	13.50	13.14
	802.11a	140	5700	6Mbps	13.50	13.26
		144	5720		13.50	13.16
		100	5500	MCS0	13.50	13.25
	000 44-00 LITO	120	5600		13.50	13.28
	802.11n20-HT0	140	5700		13.50	13.15
		144	5720		13.50	13.23
		100	5500	MCS0	13.50	13.17
	000 44 00 \ // ITO	120	5600		13.50	13.21
	802.11ac20-VHT0	140	5700		13.50	13.18
		144	5720		13.50	13.15
		100	5500	MCS0	13.50	13.17
	000 44 00 1150	120	5600		13.50	13.13
	802.11ax20-HE0	140	5700		13.50	13.21
		144	5720		13.50	13.30
		102	5510	MCS0	13.50	13.28
5 0011	000 44 40 1170	118	5590		13.50	13.13
5.6GHz	802.11n40-HT0	134	5670		13.50	13.22
		142	5710		13.50	13.21
		102	5510	MCS0	13.50	13.27
	000 44 40 \ //	118	5590		13.50	13.25
	802.11ac40-VHT0	134	5670		13.50	13.23
		142	5710		13.50	13.27
		102	5510	MCS0	13.50	13.11
		118	5590		13.50	13.20
	802.11ax40-HE0	134	5670		13.50	13.24
		142	5710		13.50	13.15
		106	5530	MCS0	13.50	13.49
	802.11ac80-VHT0	122	5610		13.50	13.47
		138	5690		13.50	13.48
		106	5530	MCS0	13.50	13.25
	802.11ax80-HE0	122	5610		13.50	13.15
		138	5690		13.50	13.29
	802.11ac160-VHT0	114	5570	MCS0	9.50	9.12
	802.11ax160-HE0	114	5570	MCS0	9.50	9.19

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		<u> </u>	Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		13.50	13.15
	802.11a	157	5785	6Mbps	13.50	13.29
		165	5825		13.50	13.20
		149	5745		13.50	13.22
	802.11n20-HT0	157	5785	MCS0	13.50	13.30
		165	5825		13.50	13.26
		149	5745	MCS0	13.50	13.22
	802.11ac20-VHT0	157	5785		13.50	13.23
		165	5825		13.50	13.24
5.8GHz		149	5745		13.50	13.20
3.00112	802.11ax20-HE0	157	5785	MCS0	13.50	13.19
		165	5825		13.50	13.15
	802.11n40-HT0	151	5755	MCS0	13.50	13.15
	002.111140-1110	159	5795	IVICOU	13.50	13.11
	802.11ac40-VHT0	151	5755	MCS0	13.50	13.27
	002.114040-11110	159	5795	IVICOU	13.50	13.11
	802.11ax40-HE0	151	5755	MCS0	13.50	13.18
	002.11ax40-HEU	159	5795	MCSU	13.50	13.15
	802.11ac80-VHT0	155	5775	MCS0	13.50	13.49
	802.11ax80-HE0	155	5775	MCS0	13.50	13.24

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			Tx1	1		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		13.50	13.19
	802.11a	173	5865	6Mbps	13.50	13.26
		177	5885	1	13.50	13.17
		169	5845		13.50	13.17
	802.11n20-HT0	173	5865	MCS0	13.50	13.29
		177	5885		13.50	13.28
		169	5845		13.50	13.29
	802.11ac20-VHT0	173	5865	MCS0	13.50	13.19
		177	5885		13.50	13.27
		169	5845		13.50	13.26
5.9GHz	802.11ax20-HE0	173	5865	MCS0	13.50	13.27
3.90112		177	5885		13.50	13.18
	802.11n40-HT0	167	5835	MCS0	13.50	13.13
	002.11140-1110	175	5875	MCSU	13.50	13.16
	802.11ac40-VHT0	167	5835	MCS0	13.50	13.19
	002.11ac+0-V1110	175	5875	WCSO	13.50	13.29
	802.11ax40-HE0	167	5835	MCS0	13.50	13.24
	302.11aA+011L0	175	5875		13.50	13.17
	802.11ac80-VHT0	171	5855	MCS0	13.50	13.49
	802.11ax80-HE0	171	5855	MCS0	13.50	13.24
	802.11ac160-VHT0	163	5815	MCS0	12.50	12.13
	802.11ax160-HE0	163	5815	MCS0	12.50	12.23

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		15.50	15.48
	802.11b	6	2437	1Mbps	15.50	15.47
		11	2462		15.50	15.49
		1	2412		15.50	15.12
	802.11g	6	2437	6Mbps	15.50	15.11
		11	2462		15.50	15.13
		1	2412	MCS0	15.50	15.25
	802.11n20-HT0	6	2437		15.50	15.28
		11	2462		15.50	15.20
		1	2412	MCS0	15.50	15.22
	802.11ac20-VHT0	6	2437		15.50	15.30
2.45GHz		11	2462		15.50	15.28
2.43GHZ		1	2412		15.50	15.24
	802.11ax20-HE0	6	2437	MCS0	15.50	15.21
		11	2462		15.50	15.18
		3	2422		15.00	14.72
	802.11n40-HT0	6	2437	MCS0	15.50	15.20
		9	2452		15.00	14.69
		3	2422		15.00	14.61
	802.11ac40-VHT0	6	2437	MCS0	15.50	15.24
		9	2452		15.00	14.73
		3	2422		15.00	14.65
	802.11ax40-HE0	6	2437	MCS0	15.50	15.15
		9	2452		15.00	14.61

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		13.50	13.18
	002.446	40	5200	GMbps	13.50	13.17
	802.11a	44	5220	6Mbps	13.50	13.16
		48	5240		13.50	13.22
		36	5180		13.50	13.21
	902 11520 UTO	40	5200	MCSO	13.50	13.11
	802.11n20-HT0	44	5220	MCS0	13.50	13.19
		48	5240		13.50	13.15
		36	5180		13.50	13.10
	802.11ac20-VHT0	40	5200	MCS0	13.50	13.19
	002.11ac20-VH10	44	5220	MCSU	13.50	13.20
		48	5240		13.50	13.20
5.15-5.25 GHz		36	5180		13.50	13.21
5.15-5.25 GHZ	802.11ax20-HE0	40	5200	MCS0	13.50	13.18
	002.11ax20-nE0	44	5220	MCSU	13.50	13.28
		48	5240		13.50	13.29
	902 11n40 HT0	38	5190	MCS0	13.50	13.25
	802.11n40-HT0	46	5230	MCSU	13.50	13.13
	000 11cc10 \/LITO	38	5190	MCCO	13.50	13.21
	802.11ac40-VHT0	46	5230	MCS0	13.50	13.23
	902 11 ov 40 UE0	38	5190	MCS0	13.50	13.11
	802.11ax40-HE0	46	5230	IVICSU	13.50	13.22
	802.11ac80-VHT0	42	5210	MCS0	13.50	13.49
	802.11ax80-HE0	42	5210	MCS0	13.50	13.14
	802.11ac160-VHT0	50	5250	MCS0	10.50	10.11
	802.11ax160-HE0	50	5250	MCS0	10.50	10.21

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		13.50	13.27
	000 44-	56	5280	CMhas	13.50	13.22
	802.11a	60	5300	6Mbps	13.50	13.17
		64	5320		13.50	13.12
		52	5260		13.50	13.14
	802.11n20-HT0	56	5280	MCS0	13.50	13.11
	602.111120-H10	60	5300	WICSO	13.50	13.11
		64	5320		13.50	13.13
		52	5260		13.50	13.26
	802.11ac20-VHT0	56	5280	MCS0	13.50	13.22
	802.11ac20-VH10	60	5300	MCSU	13.50	13.23
5.25-5.35 GHz		64	5320		13.50	13.27
5.25-5.35 GHZ		52	5260		13.50	13.23
	000 44av20 LIE0	56	5280	MCS0	13.50	13.24
	802.11ax20-HE0	60	5300	MCSU	13.50	13.26
		64	5320		13.50	13.18
	802.11n40-HT0	54	5270	MCS0	13.50	13.29
	802.111 <del>4</del> 0-010	62	5310	MCSU	13.50	13.12
	902 1100/0 \/LITO	54	5270	MCS0	13.50	13.22
	802.11ac40-VHT0	62	5310	IVICSU	13.50	13.16
	802.11ax40-HE0	54	5270	MCS0	13.50	13.24
	002.118X4U-ΠΕU	62	5310	IVICSU	13.50	13.30
	802.11ac80-VHT0	58	5290	MCS0	13.50	13.49
	802.11ax80-HE0	58	5290	MCS0	13.50	13.29

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	1		Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		13.50	13.12
	000 110	120	5600	GMbps	13.50	13.11
	802.11a	140	5700	6Mbps	13.50	13.24
		144	5720		13.50	13.27
		100	5500		13.50	13.18
	000 44=00 LITO	120	5600	MCCO	13.50	13.23
	802.11n20-HT0	140	5700	MCS0	13.50	13.11
		144	5720		13.50	13.25
		100	5500		13.50	13.23
	802.11ac20-VHT0	120	5600	MCS0	13.50	13.20
	802.11ac20-VH10	140	5700	MCSU	13.50	13.17
		144	5720		13.50	13.14
		100	5500	MCS0	13.50	13.18
	802.11ax20-HE0	120	5600		13.50	13.16
	802.11ax20-HE0	140	5700	MCSU	13.50	13.27
		144	5720		13.50	13.21
		102	5510		13.50	13.24
5 00H-	000 44 = 40 LITO	118	5590	MCCO	13.50	13.28
5.6GHz	802.11n40-HT0	134	5670	MCS0	13.50	13.24
		142	5710		13.50	13.12
		102	5510		13.50	13.26
	902 44 co40 VIJTO	118	5590	MCS0	13.50	13.12
	802.11ac40-VHT0	134	5670	MCSU	13.50	13.20
		142	5710		13.50	13.29
		102	5510		13.50	13.21
	802.11ax40-HE0	118	5590	MCSO	13.50	13.18
	ου2.11ax4u-πΕυ	134	5670	MCS0	13.50	13.25
		142	5710		13.50	13.14
		106	5530		13.50	13.47
	802.11ac80-VHT0	122	5610	MCS0	13.50	13.48
		138	5690		13.50	13.49
		106	5530		13.50	13.17
	802.11ax80-HE0	122	5610	MCS0	13.50	13.27
		138	5690		13.50	13.17
	802.11ac160-VHT0	114	5570	MCS0	9.50	9.17
	802.11ax160-HE0	114	5570	MCS0	9.50	9.13

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		·	Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		13.50	13.26
	802.11a	157	5785	6Mbps	13.50	13.21
		165	5825		13.50	13.20
		149	5745		13.50	13.22
	802.11n20-HT0	157	5785	MCS0	13.50	13.16
		165	5825		13.50	13.27
		149	5745	MCS0	13.50	13.27
	802.11ac20-VHT0	157	5785		13.50	13.20
		165	5825		13.50	13.22
5.8GHz		149	5745		13.50	13.20
3.00112	802.11ax20-HE0	157	5785	MCS0	13.50	13.22
		165	5825		13.50	13.29
	802.11n40-HT0	151	5755	MCS0	13.50	13.26
	002.111 <del>4</del> 0-1110	159	5795	IVICOU	13.50	13.18
	802.11ac40-VHT0	151	5755	MCS0	13.50	13.23
	002.11au4u-v1110	159	5795	IVICOU	13.50	13.18
	802.11ax40-HE0	151	5755	MCS0	13.50	13.22
	002.11ax40-11EU	159	5795	IVICSU	13.50	13.26
	802.11ac80-VHT0	155	5775	MCS0	13.50	13.49
	802.11ax80-HE0	155	5775	MCS0	13.50	13.25

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		13.50	13.23
	802.11a	173	5865	6Mbps	13.50	13.14
		177	5885		13.50	13.15
		169	5845		13.50	13.15
	802.11n20-HT0	173	5865	MCS0	13.50	13.14
		177	5885		13.50	13.30
		169	5845		13.50	13.26
	802.11ac20-VHT0	173	5865	MCS0	13.50	13.17
		177	5885		13.50	13.14
		169	5845		13.50	13.15
5.9GHz	802.11ax20-HE0	173	5865	MCS0	13.50	13.14
5.9GHZ		177	5885		13.50	13.15
	802.11n40-HT0	167	5835	MCS0	13.50	13.30
	002.11140-1110	175	5875	MCSU	13.50	13.20
	802.11ac40-VHT0	167	5835	MCS0	13.50	13.26
	002.11ac40-V1110	175	5875	MCSU	13.50	13.11
	802.11ax40-HE0	167	5835	MCS0	13.50	13.19
	002.11ax+0-11L0	175	5875	IVICOU	13.50	13.29
	802.11ac80-VHT0	171	5855	MCS0	13.50	13.49
	802.11ax80-HE0	171	5855	MCS0	13.50	13.20
	802.11ac160-VHT0	163	5815	MCS0	12.50	12.19
	802.11ax160-HE0	163	5815	MCS0	12.50	12.26

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#### Notebook mode

			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		18.00	17.98
	802.11b	6	2437	1Mbps	18.00	17.99
		11	2462		17.50	17.49
		1	2412		18.00	17.99
	802.11g	6	2437	6Mbps	20.00	19.99
		11	2462		18.00	17.98
		1	2412		17.50	17.12
	802.11n20-HT0	6	2437	MCS0	20.00	19.63
		11	2462		17.00	16.62
		1	2412		17.50	17.23
	802.11ac20-VHT0	6	2437	MCS0	20.00	19.71
2.45GHz		11	2462		17.00	16.62
2.43GHZ		1	2412		17.50	17.15
	802.11ax20-HE0	6	2437	MCS0	20.00	19.71
		11	2462		17.50	17.29
		3	2422		15.00	14.61
	802.11n40-HT0	6	2437	MCS0	18.00	17.79
		9	2452		15.00	14.79
		3	2422		15.00	14.66
	802.11ac40-VHT0	6	2437	MCS0	18.00	17.62
		9	2452	1	15.00	14.63
		3	2422		15.00	14.69
	802.11ax40-HE0	6	2437	MCS0	18.00	17.63
		9	2452	]	15.00	14.78

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			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		19.00	18.68
	802.11a	40	5200	GN/lbps	19.00	18.76
	002.11a	44	5220	6Mbps	19.00	18.67
		48	5240		19.00	18.77
		36	5180		18.50	18.15
	000 44×00 LITO	40	5200	Meso	19.50	19.12
	802.11n20-HT0	44	5220	MCS0	19.50	19.24
		48	5240	1	19.50	19.24
		36	5180		18.50	18.27
	802.11ac20-VHT0	40	5200	MCS0	19.50	19.18
	002.118020-1110	44	5220	IVICSU	19.50	19.20
		48	5240		19.50	19.22
5.15-5.25 GHz		36	5180		18.50	18.24
5.15-5.25 GHZ	802.11ax20-HE0	40	5200	MCS0	19.50	19.14
	802.11ax20-HE0	44	5220	IVICSU	19.50	19.21
		48	5240	1	19.50	19.21
	000 44 × 40 LITO	38	5190	MCCO	17.00	16.99
	802.11n40-HT0	46	5230	MCS0	19.50	19.49
	000 44 40 \ // ITO	38	5190	14000	17.00	16.60
	802.11ac40-VHT0	46	5230	MCS0	19.50	19.28
	902 11 ov 40 UE0	38	5190	MCS0	17.00	16.76
	802.11ax40-HE0	46	5230	IVICSU	19.50	19.13
	802.11ac80-VHT0	42	5210	MCS0	14.00	13.68
	802.11ax80-HE0	42	5210	MCS0	14.00	13.75
	802.11ac160-VHT0	50	5250	MCS0	10.50	10.19
	802.11ax160-HE0	50	5250	MCS0	10.50	10.23

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			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		19.00	18.60
	000 446	56	5280	CMbass	19.00	18.65
	802.11a	60	5300	6Mbps	19.00	18.61
		64	5320		19.00	18.67
		52	5260		19.50	19.15
	802.11n20-HT0	56	5280	MCS0	19.50	19.21
	802.111120-H10	60	5300	IVICSU	19.00	18.74
		64	5320	1	19.00	18.80
		52	5260		19.50	19.21
	802.11ac20-VHT0	56	5280	MCS0	19.50	19.16
	002.11ac20-VH10	60	5300		19.00	18.64
5.25-5.35 GHz		64	5320		19.00	18.63
5.25-5.35 GHZ		52	5260		19.50	19.11
	802.11ax20-HE0	56	5280	MCS0	19.50	19.21
	002.11dX20-HEU	60	5300	IVICSU	19.00	18.61
		64	5320		19.00	18.72
	802.11n40-HT0	54	5270	MCS0	19.50	19.49
	002.111140-1110	62	5310	IVICOU	16.50	16.49
	802.11ac40-VHT0	54	5270	MCS0	19.50	19.21
	002.11a040-V1110	62	5310	IVICOU	16.50	16.14
	802.11ax40-HE0	54	5270	MCS0	19.50	19.29
	002.11dA40-11L0	62	5310	10000	16.50	16.28
	802.11ac80-VHT0	58	5290	MCS0	14.50	14.15
	802.11ax80-HE0	58	5290	MCS0	14.50	14.22

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			T4			
			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		19.00	18.78
	000.44	120	5600	ON 41	19.00	18.62
	802.11a	140	5700	6Mbps	19.00	18.76
		144	5720	1	19.00	18.67
		100	5500		18.50	18.30
		120	5600		19.50	19.26
	802.11n20-HT0	140	5700	MCS0	17.00	16.65
		144	5720	1	19.00	18.75
		100	5500		18.50	18.10
		120	5600	1	19.50	19.18
	802.11ac20-VHT0	140	5700	MCS0	17.00	16.67
		144	5720	1	19.00	18.70
		100	5500		18.50	18.20
		120	5600		19.50	19.21
	802.11ax20-HE0	140	5700	MCS0	17.00	16.72
		144	5720	†	19.00	18.62
		102	5510		16.50	16.49
		118	5590	†	19.00	18.99
5.6GHz	802.11n40-HT0	134	5670	MCS0	18.00	17.99
		142	5710	†	19.50	19.49
		102	5510		16.50	16.14
		118	5590	†	19.00	18.74
	802.11ac40-VHT0	134	5670	MCS0	18.00	17.66
		142	5710	†	19.50	19.29
		102	5510		16.50	16.27
		118	5590	†	19.00	18.70
	802.11ax40-HE0	134	5670	MCS0	18.00	17.69
		142	5710	†	19.50	19.17
		106	5530		15.50	15.17
	802.11ac80-VHT0	122	5610	MCS0	17.50	17.10
	002.11acou-viii0	138	5690	IVICOU	19.00	18.78
		106	5530		15.50	15.18
	802.11ax80-HE0	122	5610	MCS0	17.50	17.19
	002.11ax00-11EU	138	5690	IVICSU	19.00	18.62
	802.11ac160-VHT0	138	5570	MCS0	9.50	9.12
	802.11ac160-VH10 802.11ax160-HE0	114	5570	MCS0	9.50	9.12

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			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		21.00	20.99
	802.11a	157	5785	6Mbps	20.50	20.49
		165	5825	i i	21.00	20.98
		149	5745		19.50	19.24
	802.11n20-HT0	157	5785	MCS0	19.50	19.24
		165	5825		19.50	19.30
		149	5745		19.50	19.11
	802.11ac20-VHT0	157	5785	MCS0	19.50	19.21
		165	5825	1	19.50	19.29
5.8GHz		149	5745		19.50	19.19
3.0GHZ	802.11ax20-HE0	157	5785	MCS0	19.50	19.28
		165	5825		19.50	19.24
	802.11n40-HT0	151	5755	MCCO	19.50	19.10
	602.1111 <del>4</del> 0-F110	159	5795	MCS0	19.50	19.26
	902 11cc40 \/LITO	151	5755	MCS0	19.50	19.16
	802.11ac40-VHT0	159	5795	IVICSU	19.50	19.18
	902 11 ov 40 HE0	151	5755	MCCO	19.50	19.19
	802.11ax40-HE0	159	5795	MCS0	19.50	19.28
	802.11ac80-VHT0	155	5775	MCS0	17.50	17.15
	802.11ax80-HE0	155	5775	MCS0	17.50	17.13
			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		14.00	13.63
	802.11a	173	5865	6Mbps	14.00	13.74
	002.114	177	5885	Olviop3	14.00	13.68
		169	5845		14.00	13.78
	802.11n20-HT0	173	5865	MCS0	14.00	13.80
	002.111.201110	177	5885	1	14.00	13.74
		169	5845		14.50	14.28
	802.11ac20-VHT0	173	5865	MCS0	14.50	14.24
		177	5885	1 1	14.50	14.12
		169	5845		14.50	14.25
	802.11ax20-HE0	173	5865	MCS0	14.50	14.25
5.9GHz		177	5885	1	14.50	14.22
		167	5835		19.50	19.49
	802.11n40-HT0	175	5875	MCS0	19.50	19.48
	200 11 12 17 7	167	5835		19.50	19.30
	802.11ac40-VHT0	175	5875	MCS0	19.50	19.27
		167	5835		17.00	16.75
	802.11ax40-HE0	175	5875	MCS0	17.00	16.71
	802.11ac80-VHT0	171	5855	MCS0	19.00	18.74
	1 002.11acoo-viii0					
			+	MCS0	19.00	18.66
	802.11ac80-WHT0 802.11ac80-HE0 802.11ac160-VHT0	171 163	5855 5815	MCS0 MCS0	19.00 12.50	18.66 12.13

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		18.00	17.99
	802.11b	6	2437	1Mbps	18.00	17.98
		11	2462		17.50	17.49
		1	2412		18.00	17.99
	802.11g	6	2437	6Mbps	20.00	19.99
		11	2462		18.00	17.99
		1	2412		17.50	17.16
	802.11n20-HT0	6	2437	MCS0	20.00	19.61
		11	2462		17.00	16.71
		1	2412	MCS0	17.50	17.17
	802.11ac20-VHT0	6	2437		20.00	19.64
2.45GHz		11	2462		17.00	16.67
2.45GHZ		1	2412		17.50	17.23
	802.11ax20-HE0	6	2437	MCS0	20.00	19.76
		11	2462		17.50	17.17
		3	2422		15.00	14.80
	802.11n40-HT0	6	2437	MCS0	18.00	17.73
		9	2452		15.00	14.69
		3	2422		15.00	14.66
	802.11ac40-VHT0	6	2437	MCS0	18.00	17.62
		9	2452		15.00	14.79
		3	2422		15.00	14.68
	802.11ax40-HE0	6	2437	MCS0	18.00	17.72
		9	2452		15.00	14.74

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		19.00	18.78
	802.11a	40	5200	6Mbps	19.00	18.76
	002.11a	44	5220	6Mbps	19.00	18.75
		48	5240		19.00	18.80
		36	5180		18.50	18.20
	802.11n20-HT0	40	5200	MCCO	19.50	19.22
	802.11N2U-H1U	44	5220	MCS0	19.50	19.27
		48	5240	]	19.50	19.13
		36	5180		18.50	18.22
	802.11ac20-VHT0	40	5200	MCS0	19.50	19.16
		44	5220	IVICSU	19.50	19.22
		48	5240		19.50	19.21
5.15-5.25 GHz		36	5180		18.50	18.19
5.15-5.25 GHZ	802.11ax20-HE0	40	5200	MCS0	19.50	19.20
	602.118X20-HEU	44	5220	IVICSU	19.50	19.22
		48	5240	]	19.50	19.25
	000 44 × 40 LITO	38	5190	MCCO	17.00	16.99
	802.11n40-HT0	46	5230	MCS0	19.50	19.49
	000 44 co 40 \ // ITO	38	5190	MCCO	17.00	16.75
	802.11ac40-VHT0	46	5230	MCS0	19.50	19.12
	902 11 ov 40 UE0	38	5190	MCCO	17.00	16.75
	802.11ax40-HE0	46	5230	MCS0	19.50	19.24
	802.11ac80-VHT0	42	5210	MCS0	14.00	13.65
	802.11ax80-HE0	42	5210	MCS0	14.00	13.76
	802.11ac160-VHT0	50	5250	MCS0	10.50	10.11
	802.11ax160-HE0	50	5250	MCS0	10.50	10.21

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		•	Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		19.00	18.74
	802.11a	56	5280	GMbpa	19.00	18.79
	802.11a	60	5300	6Mbps	19.00	18.61
		64	5320		19.00	18.73
		52	5260		19.50	19.17
	802.11n20-HT0	56	5280	MCS0	19.50	19.24
	002.111120-1110	60	5300	IVICSU	19.00	18.74
		64	5320		19.00	18.74
		52	5260	MCS0	19.50	19.19
	802.11ac20-VHT0	56	5280		19.50	19.29
	002.11ac20-VH10	60	5300		19.00	18.75
5.25-5.35 GHz		64	5320		19.00	18.70
5.25-5.35 GHZ		52	5260		19.50	19.25
	802.11ax20-HE0	56	5280	MCS0	19.50	19.19
	002.11ax20-ne0	60	5300	IVICSU	19.00	18.61
		64	5320		19.00	18.65
	802.11n40-HT0	54	5270	MCS0	19.50	19.49
	002.111140-1110	62	5310	IVICSU	16.50	16.49
	802.11ac40-VHT0	54	5270	MCS0	19.50	19.17
	002.11a040-VH10	62	5310	IVICSU	16.50	16.27
	802.11ax40-HE0	54	5270	MCS0	19.50	19.27
	OUZ. I I dX4U-TIEU	62	5310	IVICSU	16.50	16.27
	802.11ac80-VHT0	58	5290	MCS0	14.50	14.17
	802.11ax80-HE0	58	5290	MCS0	14.50	14.20

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
	802.11a	100 120 140	5500 5600 5700	- 6Mbps	19.00 19.00 19.00	18.67 18.79 18.74
		144 100 120	5720 5500 5600		19.00 18.50 19.50	18.67 18.25 19.15
	802.11n20-HT0	140 144	5700 5720	MCS0	17.00 19.00	16.80 18.80
	802.11ac20-VHT0	100 120 140 144	5500 5600 5700 5720	MCS0	18.50 19.50 17.00 19.00	18.17 19.10 16.73 18.73
	802.11ax20-HE0	100 120 140	5500 5600 5700	MCS0	18.50 19.50 17.00	18.24 19.18 16.69
5.6GHz	802.11n40-HT0	144 102 118 134	5720 5510 5590 5670	- MCS0	19.00 16.50 19.00 18.00	18.68 16.49 18.99 17.99
	802.11ac40-VHT0	142 102 118	5710 5510 5590	MCS0	19.50 16.50 19.00	19.49 16.23 18.71
	002.11dc40 VIII0	134 142 102	5670 5710 5510	WOOO	18.00 19.50 16.50	17.74 19.16 16.20
	802.11ax40-HE0	118 134 142	5590 5670 5710	MCS0	19.00 18.00 19.50	18.71 17.60 19.29
	802.11ac80-VHT0	106 122 138	5530 5610 5690	MCS0	15.50 17.50 19.00	15.26 17.19 18.71
	802.11ax80-HE0	106 122 138	5530 5610 5690	MCS0	15.50 17.50 19.00	15.17 17.19 18.72
	802.11ac160-VHT0 802.11ax160-HE0	114 114	5570 5570	MCS0 MCS0	9.50 9.50	9.17 9.13

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		21.00	20.99
	802.11a	157	5785	6Mbps	20.50	20.49
		165	5825	1	21.00	20.98
		149	5745		19.50	19.26
	802.11n20-HT0	157	5785	MCS0	19.50	19.17
		165	5825		19.50	19.19
		149	5745		19.50	19.24
	802.11ac20-VHT0	157	5785	MCS0	19.50	19.10
		165	5825		19.50	19.11
5.8GHz		149	5745		19.50	19.16
3.00112	802.11ax20-HE0	157	5785	MCS0	19.50	19.24
		165	5825		19.50	19.26
	802.11n40-HT0	151	5755	MCS0	19.50	19.10
	802.111140-1110	159	5795	IVICOU	19.50	19.21
	802.11ac40-VHT0	151	5755	MCS0	19.50	19.15
	002.11ac40-V1110	159	5795	IVICOU	19.50	19.18
	802.11ax40-HE0	151	5755	MCS0	19.50	19.14
	002.11ax40-11E0	159	5795	IVICOU	19.50	19.11
	802.11ac80-VHT0	155	5775	MCS0	17.50	17.26
	802.11ax80-HE0	155	5775	MCS0	17.50	17.20
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		14.00	13.66
	802.11a	173	5865	6Mbps	14.00	13.74
	002.114	177	5885	0.1.000	14.00	13.77
		169	5845		14.00	13.69
	802.11n20-HT0	173	5865	MCS0	14.00	13.63
		177	5885	1	14.00	13.63
		169	5845		14.50	14.28
	802.11ac20-VHT0	173	5865	MCS0	14.50	14.28
		177	5885	1	14.50	14.16
		169	5845		14.50	14.21
	802.11ax20-HE0	173	5865	MCS0	14.50	14.25
5.9GHz		177	5885	1	14.50	14.26
	000 44 40 150	167	5835	MOGG	19.50	19.48
	802.11n40-HT0	175	5875	MCS0	19.50	19.49
	000.4440.1/1/T0	167	5835	MOGG	19.50	19.30
	802.11ac40-VHT0	175	5875	MCS0	19.50	19.13
	000.44 40.1156	167	5835	MOSS	17.00	16.65
	802.11ax40-HE0	175	5875	MCS0	17.00	16.67
				MCS0	19.00	18.61
	802.11ac80-VHT0	171	5855	I IVICOU I	10.00	
	802.11ac80-VHT0 802.11ax80-HE0	171 171	5855 5855	MCS0	19.00	18.62
			+			

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## **WLAN 6GHz**

			Tx1			
			IXI			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		1.00	0.79
	802.11a	45	6175	6Mbps	1.00	0.67
		93	6415	·	1.00	0.63
		1	5955		1.00	0.74
	802.11ax20-HE0	45	6175	MCS0	1.00	0.80
		93	6415	1	1.00	0.63
		3	5965		3.50	3.22
U-NII-5	802.11ax40-HE0	43	6165	MCS0	3.50	3.19
6.2GHz		91	6405	1	3.50	3.26
		7	5985		7.00	6.74
	802.11ax80-HE0	39	6145	MCS0	7.00	6.61
		87	6385		7.00	6.76
		15	6025		9.50	9.49
	802.11ax160-HE0	47	6185	MCS0	9.50	9.48
			6345		9.50	9.47
			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		1.50	1.11
	802.11a	105	6475	6Mbps	1.50	1.21
		113	6515		1.50	1.23
		97	6435		1.50	1.20
U-NII-6	802.11ax20-HE0	105	6475	MCS0	1.50	1.11
6.5GHz		113	6515		1.50	1.27
0.00112	802.11ax40-HE0	99	6445	MCS0	4.00	3.71
	002.11ax40-11LU	107	6485	IVICOU	4.00	3.74
	802.11ax80-HE0	103	6465	MCS0	7.00	6.66
	002.118X00-11LU	119	6545	IVICOU	7.00	6.77
	802.11ax160-HE0	111	6505	MCS0	10.00	9.99

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			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		1.00	0.74
	802.11a	149	6695	6Mbps	1.00	0.74
	55=11.00	181	6855		1.00	0.66
		117	6535		1.50	1.28
	802.11ax20-HE0	149	6695	MCS0	1.50	1.14
	00211100201120	181	6855		1.50	1.18
U-NII-7		115	6525		4.00	3.79
6.7GHz	802.11ax40-HE0	147	6685	MCS0	4.00	3.71
0.7 01 12	002.110.101120	179	6845	141000	4.00	3.70
8		135	6625		7.00	6.69
	802.11ax80-HE0	151	6705	MCS0	7.00	6.78
	002.11ax00-11L0	167	6785	101000	7.00	6.74
		143	6665		9.50	9.48
	802.11ax160-HE0	175	6825	MCS0	9.50	9.49
		175			9.50	9.49
			Tx1			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		1.00	0.78
	802.11a	209	6995	6Mbps	1.50	1.21
		233	7115	] [	1.50	1.12
		185	6875		1.50	1.11
	802.11ax20-HE0	209	6995	MCS0	2.00	1.68
U-NII-8		233	7115	]	2.00	1.65
7.0GHz	000 440 1150	187	6885	MCCC	4.50	4.11
	802.11ax40-HE0	227	7085	MCS0	4.50	4.17
		183	6865		7.00	6.70
	802.11ax80-HE0	199	6945	MCS0	7.50	7.27
		215	7025		7.50	7.29
	802.11ax160-HE0	207	6985	MCS0	10.00	9.99

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			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
	802.11a	1 45	5955 6175	6Mbps	1.00 1.00	0.79 0.67
	802.11ax20-HE0	93 1 45 93	6415 5955 6175 6415	MCS0	1.00 1.00 1.00 1.00	0.63 0.74 0.80 0.63
U-NII-5 6.2GHz	802 11ay40-HE0	3 43 91	5965 6165 6405	MCS0	3.50 3.50 3.50	3.22 3.19 3.26
	802.11ax80-HE0	7 39 87	5985 6145 6385	MCS0	7.00 7.00 7.00	6.74 6.61 6.76
	802.11ax160-HE0	15 47 79	6025 6185 6345	MCS0	9.50 9.50 9.50	9.49 9.47 9.48
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		1.50	1.17
	802.11a	105 113	6475 6515	6Mbps	1.50 1.50	1.19 1.15
U-NII-6	802.11ax20-HE0	97 105 113	6435 6475 6515	MCS0	1.50 1.50 1.50	1.23 1.23 1.14
6.5GHz	802.11ax40-HE0	99	6445 6485	MCS0	4.00 4.00	3.64 3.69
	802.11ax80-HE0	103 119	6465 6545	MCS0	7.00 7.00	6.65 6.61
	802.11ax160-HE0	111	6505	MCS0	10.00	9.99

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To									
			Tx2						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		117	6535		1.00	0.79			
	802.11a	149	6695	6Mbps	1.00	0.62			
		181	6855	1	1.00	0.66			
		117	6535		1.50	1.24			
	802.11ax20-HE0	149	6695	MCS0	1.50	1.17			
		181	6855		1.50	1.24			
U-NII-7		115	6525		4.00	3.70			
6.7GHz	802.11ax40-HE0	147	6685	MCS0	4.00	3.79			
		179	6845		4.00	3.62			
		135	6625		7.00	6.69			
	802.11ax80-HE0	151	6705	MCS0	7.00	6.65			
		167	6785		7.00	6.77			
	000 44 - 400 1150	143	6665	MCCO	9.50	9.49			
	802.11ax160-HE0		6825	MCS0	9.50	9.48			
			Tx2						
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)			
		185	6875	_	1.00	0.77			
	802.11a	209	6995	6Mbps	1.50	1.15			
		233	7115		1.50	1.28			
		185	6875		1.50	1.30			
	802.11ax20-HE0	209	6995	MCS0	2.00	1.78			
U-NII-8		233	7115		2.00	1.66			
7.0GHz	802.11ax40-HE0	187	6885	MCS0	4.50	4.21			
	υυΖ. ΓΙαλ <del>4</del> υ•ΠΕυ	227	7085	IVICOU	4.50	4.20			
		183	6865		7.00	6.72			
	802.11ax80-HE0	199	6945	MCS0	7.50	7.26			
		215	7025	<u> </u>	7.50	7.28			
	802.11ax160-HE0	207	6985	MCS0	10.00	9.99			

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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		11.31		8.22		8.17
BR/EDR	CH 39	2441	11.50	11.41	8.50	8.35	8.50	8.21
	CH 78	2480		11.49		8.47		8.37

#### 6.4 **BLE**

-						
Mode	Channel	Frequency	GFSK			
Mode	Channel	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)		
	CH 00	2402		11.32		
BLE_1M	CH 19	2440	11.5	11.25		
	CH 39	2480		11.40		
Mode	Channel	Frequency	GFSK			
Mode	Chamer	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)		
	CH 00	2402		11.07		
BLE_2M	CH 19	2440	11.5	11.18		
	CH 39	2480		11.34		

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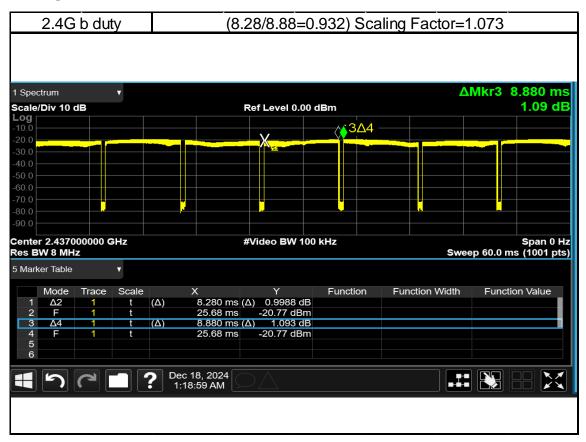
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# 7 DUTY CYCLE



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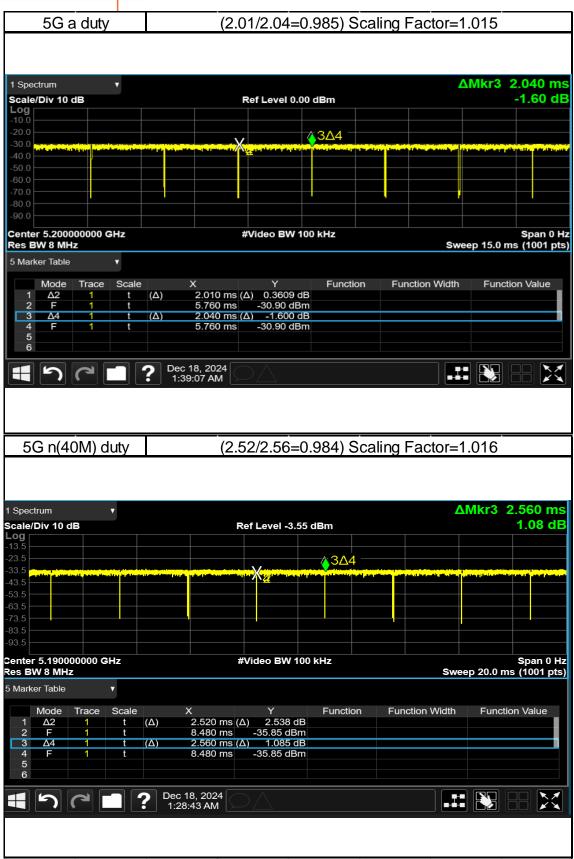
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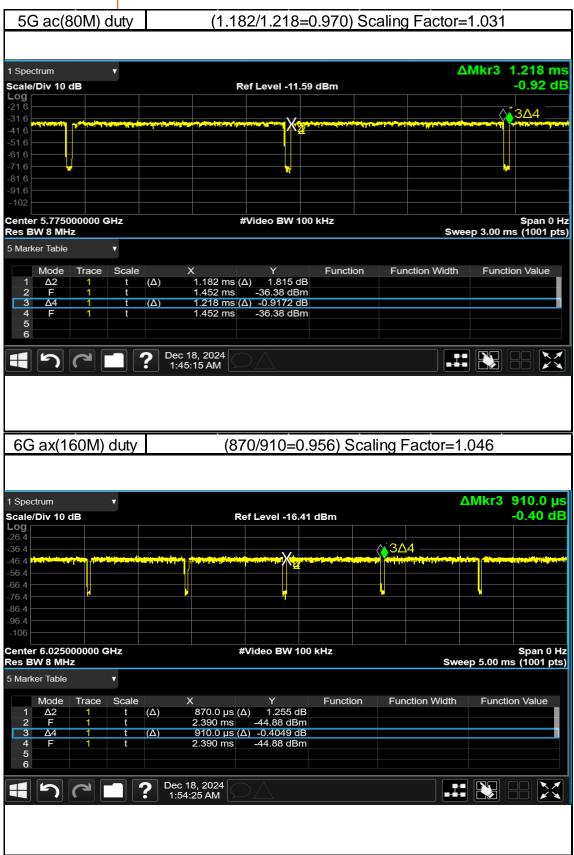
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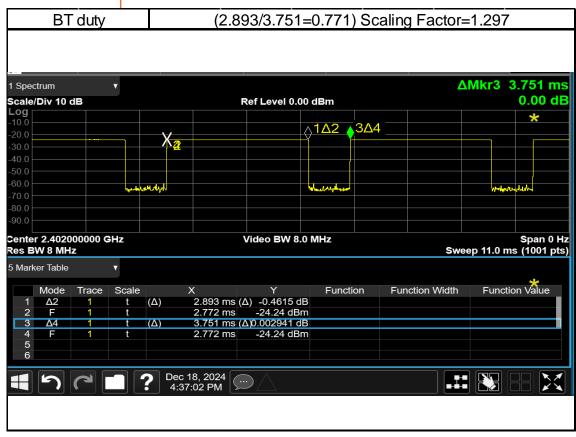
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# **SUMMARY OF RESULTS**

#### 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**

# Vendor 2

# **Tablet mode**

iablet illoue			Distance		Freq.	Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	
Band	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	ID
WLAN 802.11b	Tx1	Back Surface	0	1	2412	15.50	15.49	1.07	100.23%	0.122	0.131	-
WLAN 802.11b	Tx1	Top Edge	0	1	2412	15.50	15.49	1.07	100.23%	0.397	0.427	001
WLAN 802.11b	Tx1	Top Edge	0	6	2437	15.50	15.48	1.07	100.46%	0.339	0.365	-
WLAN 802.11b	Tx1	Top Edge	0	11	2462	15.50	15.47	1.07	100.40%	0.351	0.379	-
				1			15.47				0.005	
WLAN 802.11b	Tx1	Right Edge	0		2412	15.50		1.07	100.23%	0.005		-
WLAN 802.11b	Tx1	Left Edge	0	1	2412	15.50	15.49	1.07	100.23%	0.016	0.017	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
Bluetooth(GFSK)	Tx1	Back Surface	0	78	2480	11.50	11.49	1.30	100.23%	0.072	0.094	-
Bluetooth(GFSK)	Tx1	Top Edge	0	00	2402	11.50	11.31	1.30	104.47%	0.203	0.275	-
Bluetooth(GFSK)	Tx1	Top Edge	0	39	2441	11.50	11.41	1.30	102.09%	0.189	0.250	
Bluetooth(GFSK)	Tx1		0	78	2480	11.50	11.49	1.30	100.23%	0.230	0.299	002
, ,		Top Edge										002
Bluetooth(GFSK)	Tx1	Right Edge	0	78	2480	11.50	11.49	1.30	100.23%	0.001	0.001	-
Bluetooth(GFSK)	Tx1	Left Edge	0	78	2480	11.50	11.49	1.30	100.23%	0.008	0.011	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11ac(80M) 5.2G	Tx1	Back Surface	0	42	5210	13.50	13.49	1.03	100.23%	0.063	0.065	-
WLAN 802.11ac(80M) 5.2G	Tx1	Top Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.284	0.293	003
WLAN 802.11ac(80M) 5.2G	Tx1	Right Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.001	0.001	
WLAN 802.11ac(80M) 5.2G WLAN 802.11ac(80M) 5.2G	Tx1	Left Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.001	0.001	<u> </u>
WLAN 802:11ac(80M) 5.2G	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 802.11ac(80M) 5.3G	Tx1	Back Surface	0	58	5290	13.50	13.49	1.03	100.23%	0.052	0.054	-
WLAN 802.11ac(80M) 5.3G	Tx1	Top Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.188	0.194	004
WLAN 802.11ac(80M) 5.3G	Tx1	Right Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.001	0.001	
												-
WLAN 802.11ac(80M) 5.3G	Tx1	Left Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
WLAN 802.11ac(80M) 5.6G	Tx1	Back Surface	0	106	5530	13.50	13.49	1.03	100.23%	0.061	0.063	-
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	106	5530	13.50	13.49	1.03	100.23%	0.205	0.212	005
WLAN 802.11ac(80M) 5.6G			0		5610			1.03	100.25%	0.194		
	Tx1	Top Edge		122		13.50	13.47				0.201	
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	138	5690	13.50	13.48	1.03	100.46%	0.188	0.195	-
WLAN 802.11ac(80M) 5.6G	Tx1	Right Edge	0	106	5530	13.50	13.49	1.03	100.23%	0.001	0.001	-
WLAN 802.11ac(80M) 5.6G	Tx1	Left Edge	0	106	5530	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
WLAN 802.11ac(80M) 5.8G	Tx1	Back Surface	0	155	5775	13.50	13.49	1.03	100.23%	0.055	0.057	
, ,												<del></del>
WLAN 802.11ac(80M) 5.8G	Tx1	Top Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.178	0.184	006
WLAN 802.11ac(80M) 5.8G	Tx1	Right Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.001	0.001	-
WLAN 802.11ac(80M) 5.8G	Tx1	Left Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	ID
WLAN 802.11ac(80M) 5.9G	Tx1	Back Surface	0	171	5855	13.50	13.49	1.03	100.23%	0.075	0.078	-
WLAN 802.11ac(80M) 5.9G	Tx1	Top Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.248	0.256	007
WLAN 802.11ac(80M) 5.9G	Tx1	Right Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.001	0.001	
WLAN 802.11ac(80M) 5.9G	Tx1	Left Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.001	0.001	
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg)  Reported	ID
WLAN 802.11b	Tx2	Back Surface	0	11	2462	15.50	15.49	1.07	100.23%	0.039	0.042	-
WLAN 802.11b	Tx2	Top Edge	0	1	2412	15.50	15.48	1.07	100.46%	0.262	0.282	-
WLAN 802.11b			0	6	2412	15.50	15.46	1.07	100.46%	0.262	0.262	
	Tx2	Top Edge										-
WLAN 802.11b	Tx2	Top Edge	0	11	2462	15.50	15.49	1.07	100.23%	0.294	0.316	800
WLAN 802.11b	Tx2	Right Edge	0	11	2462	15.50	15.49	1.07	100.23%	0.001	0.001	
WLAN 802.11b	Tx2	Left Edge	0	11	2462	15.50	15.49	1.07	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
		Back Surface	0	42	5210	13.50	13.49	1.03	100.23%	0.076	0.079	
WI AN 802 11ac/80M/\ 5.2G				+44	J210	10.00						<del></del>
WLAN 802.11ac(80M) 5.2G	Tx2		_	/^	5040	40.50	40.40	4.00	400 0001	0.005	0.005	
WLAN 802.11ac(80M) 5.2G	Tx2	Top Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.285	0.295	009
			0 0	42 42 42	5210 5210 5210	13.50 13.50 13.50	13.49 13.49 13.49	1.03 1.03 1.03	100.23% 100.23% 100.23%	0.285 0.015 0.001	0.295 0.016 0.001	- 009

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Band	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) 5.3G	Tx2	Back Surface	0	58	5290	13.50	13.49	1.03	100.23%	0.071	0.073	-
WLAN 802.11ac(80M) 5.3G	Tx2	Top Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.264	0.273	010
WLAN 802.11ac(80M) 5.3G	Tx2	Right Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.013	0.013	-
WLAN 802.11ac(80M) 5.3G	Tx2	Left Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
			()		, ,	Tolerance (dBm)	(dBm)		· ·	Measured	Reported	
WLAN 802.11ac(80M) 5.6G	Tx2	Back Surface	0	138	5690	13.50	13.49	1.03	100.23%	0.065	0.067	-
WLAN 802.11ac(80M) 5.6G	Tx2	Top Edge	0	106	5530	13.50	13.47	1.03	100.69%	0.182	0.189	-
WLAN 802.11ac(80M) 5.6G	Tx2	Top Edge	0	122	5610	13.50	13.48	1.03	100.46%	0.177	0.183	-
WLAN 802.11ac(80M) 5.6G	Tx2	Top Edge	0	138	5690	13.50	13.49	1.03	100.23%	0.201	0.208	011
WLAN 802.11ac(80M) 5.6G	Tx2	Right Edge	0	138	5690	13.50	13.49	1.03	100.23%	0.008	0.008	-
WLAN 802.11ac(80M) 5.6G	Tx2	Left Edge	0	138	5690	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	ID
			(11111)		(IVII-12)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11ac(80M) 5.8G	Tx2	Back Surface	0	155	5775	13.50	13.49	1.03	100.23%	0.067	0.069	-
WLAN 802.11ac(80M) 5.8G	Tx2	Top Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.208	0.215	012
WLAN 802.11ac(80M) 5.8G	Tx2	Right Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.007	0.008	-
WLAN 802.11ac(80M) 5.8G	Tx2	Left Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	ID
			()		, ,	Tolerance (dBm)	(dBm)			Measured	Reported	
WLAN 802.11ac(80M) 5.9G	Tx2	Back Surface	0	171	5855	13.50	13.49	1.03	100.23%	0.075	0.078	-
WLAN 802.11ac(80M) 5.9G	Tx2	Top Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.242	0.250	013
WLAN 802.11ac(80M) 5.9G	Tx2	Right Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.017	0.018	-
WLAN 802.11ac(80M) 5.9G	Tx2	Left Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
						Tolerance (dBm)	(dBm)			Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Back Surface	0	15	6025	9.50	9.49	1.05	100.23%	0.022	0.023	0.167	0.175	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Back Surface	0	47	6185	9.50	9.48	1.05	100.46%	0.017	0.018	0.122	0.128	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	15	6025	9.50	9.49	1.05	100.23%	0.099	0.104	0.582	0.610	014
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	47	6185	9.50	9.48	1.05	100.46%	0.069	0.073	0.427	0.449	015
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	79	6345	9.50	9.47	1.05	100.69%	0.055	0.058	0.394	0.415	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Right Edge	0	15	6025	9.50	9.49	1.05	100.23%	0.005	0.005	0.038	0.040	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Right Edge	0	47	6185	9.50	9.48	1.05	100.46%	0.004	0.004	0.035	0.037	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Left Edge	0	15	6025	9.50	9.49	1.05	100.23%	0.004	0.004	0.047	0.049	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Left Edge	0	47	6185	9.50	9.48	1.05	100.46%	0.003	0.003	0.041	0.043	
Band	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)		W/m^2 (4cm^2)	ID
			_			,	V /			Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Back Surface	0	111	6505	10.00	9.99	1.05	100.23%	0.024	0.025	0.182	0.191	-
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Top Edge	0	111	6505	10.00	9.99	1.05	100.23%	0.093	0.098	0.573	0.601	016
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Right Edge	0	111	6505	10.00	9.99	1.05	100.23%	0.004	0.004	0.032	0.034	
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Left Edge	0	111	6505	10.00	9.99	1.05	100.23%	0.005	0.005	0.04	0.042	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated APD Measured	W/m^2 (4cm^2)	ID
		0.10.4				, ,		4.00	100 0001		Reported		Reported	
U-NII-7 6.7GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Back Surface Top Edge	0	175 143	6825 6665	9.50 9.50	9.49	1.05	100.23% 100.46%	0.021	0.022	0.168	0.176 0.423	<del></del>
,														
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Top Edge	0	175	6825	9.50	9.49	1.05	100.23%	0.083	0.087	0.475	0.498	017
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Right Edge	0	175	6825	9.50	9.49	1.05	100.23%	0.005	0.005	0.042	0.044	-
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Left Edge	0	175	6825	9.50	9.49	1.05	100.23%	0.007	0.007	0.066	0.069	
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg)		W/m^2 (4cm^2)	ID
			_			, ,				Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Back Surface	0	207	6985	10.00	9.99	1.05	100.23%	0.032	0.034	0.211	0.221	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Top Edge	0	207	6985	10.00	9.99	1.05	100.23%	0.120	0.126	0.711	0.745	018
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Right Edge	0	207	6985	10.00	9.99	1.05	100.23%	0.010	0.010	0.083	0.087	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Left Edge	0	207	6985	10.00	9.99	1.05	100.23%	0.012	0.013	0.102	0.107	
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated APD Measured	W/m^2 (4cm^2) Reported	ID
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Back Surface	0	15	6025	9.50	9.49	1.05	100.23%	0.024	0.025	0.204	0.214	
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Back Surface	0	79	6345	9.50	9.48	1.05	100.46%	0.021	0.022	0.184	0.193	
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge	0	15	6025	9.50	9.49	1.05	100.40%	0.057	0.060	0.391	0.410	019
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge	0	47	6185	9.50	9.47	1.05	100.23%	0.065	0.068	0.443	0.467	013
U-NII-5 6.2GHz 802.11ax(160M)	Tx2		0	79	6345	9.50	9.48	1.05	100.69%	0.003	0.008	0.443	0.467	020
		Top Edge												020
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Right Edge	0	15	6025	9.50	9.49	1.05	100.23%	0.014	0.015	0.092	0.096	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Right Edge	0	79	6345	9.50	9.48	1.05	100.46%	0.014	0.015	0.089	0.094	
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Left Edge	0	15	6025	9.50		1.05	100.23%	0.005	0.005	0.044	0.046	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx2 Antenna	Left Edge	0 Distance	79 Channel	6345 Freq.	9.50 Max. Rated Avg. Power + Max.	9.48 Measured Avg. Power	1.05 Duty cycle	100.46% Power	0.004 Averaged SAR	0.004 over 1g (W/kg)	0.038 Estimated APD	0.040 W/m^2 (4cm^2)	ID
Dairo	Automid	1 OSKIOII	(mm)	Gilainiol	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Back Surface	0	111	6505	10.00	9.99	1.05	100.23%	0.018	0.019	0.143	0.150	
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Top Edge	0	111	6505	10.00	9.99	1.05	100.23%	0.060	0.019	0.143	0.130	021
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Right Edge	0	111	6505	10.00	9.99	1.05	100.23%	0.000	0.003	0.423	0.083	- 021
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Left Edge	0	111	6505	10.00	9.99	1.05	100.23%	0.012	0.006	0.079	0.083	-
U-NII-6 6.5GHZ 802.11ax(160M)	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)		0.051 W/m^2 (4cm^2) Reported	ID
11 bill 7 6 70 Hz 900 44 ov/4004 5	Tx2	Book Curfoor	_	142	6665	, ,	` '	1.05	100.23%		-			
U-NII-7 6.7GHz 802.11ax(160M)		Back Surface	0	143	6665	9.50	9.49	1.05		0.015	0.016	0.131	0.137	-
11 NIII II O II O II O O O O O O O O O O O	Tx2	Top Edge	0	143	6665	9.50	9.49	1.05	100.23%	0.045	0.047	0.323	0.339	022
U-NII-7 6.7GHz 802.11ax(160M)														
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge	0	175	6825	9.50	9.48	1.05	100.46%	0.041	0.043	0.302	0.317	-
	Tx2 Tx2 Tx2	Top Edge Right Edge Left Edge	0	175 143 143	6825 6665 6665	9.50 9.50 9.50	9.48 9.49 9.49	1.05 1.05	100.46% 100.23% 100.23%	0.041 0.010 0.005	0.043 0.010 0.005	0.302 0.065 0.04	0.317 0.068 0.042	-

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Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power			Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(1711 12)	Tolerance (dBm)	(dBm)	ocumig	Journal	Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Back Surface	0	207	6985	10.00	9.99	1.05	100.23%	0.012	0.013	0.111	0.116	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Top Edge	0	207	6985	10.00	9.99	1.05	100.23%	0.030	0.031	0.206	0.216	023
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Right Edge	0	207	6985	10.00	9.99	1.05	100.23%	0.008	0.008	0.055	0.058	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Left Edge	0	207	6985	10.00	9.99	1.05	100.23%	0.003	0.003	0.031	0.033	-

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# Vendor 1 Tablet mode

ablet mode												
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
14/1 AN 1000 441	T.1	D. 1.0. (			0440	Tolerance (dBm)	(dBm)	4.07			Reported	
WLAN 802.11b	Tx1	Back Surface	0	1	2412	15.50	15.49	1.07	100.23%	0.099	0.106	-
WLAN 802.11b	Tx1	Top Edge	0		2412	15.50	15.49	1.07	100.23%	0.262	0.282	057
WLAN 802.11b	Tx1	Top Edge	0	6	2437	15.50	15.48	1.07	100.46%	0.236	0.254	-
WLAN 802.11b	Tx1	Top Edge	0	11	2462	15.50	15.47	1.07	100.69%	0.241	0.260	-
WLAN 802.11b	Tx1	Right Edge	0	1	2412	15.50	15.49	1.07	100.23%	0.005	0.005	-
WLAN 802.11b	Tx1	Left Edge	0	1	2412	15.50	15.49	1.07	100.23%	0.012	0.013	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
DI -111 (050)0	T.	Deal Conference		70	0.400		(dBm)	4.00		Measured	Reported	
Bluetooth(GFSK)	Tx1	Back Surface	0	78	2480	11.50	11.49	1.30	100.23%	0.068	0.088	-
Bluetooth(GFSK)	Tx1	Top Edge	0	00	2402	11.50	11.31	1.30	104.47%	0.202	0.274	-
Bluetooth(GFSK)	Tx1	Top Edge	0	39	2441	11.50	11.41	1.30	102.09%	0.189	0.250	-
Bluetooth(GFSK)	Tx1	Top Edge	0	78	2480	11.50	11.49	1.30	100.23%	0.223	0.290	058
Bluetooth(GFSK)	Tx1	Right Edge	0	78	2480	11.50	11.49	1.30	100.23%	0.001	0.001	-
Bluetooth(GFSK)	Tx1	Left Edge	0	78	2480	11.50	11.49	1.30	100.23%	0.007	0.009	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
W// ANI 002 44 == (00M) 5 20	Total	Davis Confess	0	40	5210			4.00	400.000/			
WLAN 802.11ac(80M) 5.2G	Tx1	Back Surface	0	42		13.50	13.49	1.03	100.23%	0.044	0.045	-
WLAN 802.11ac(80M) 5.2G	Tx1	Top Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.295	0.305	059
WLAN 802.11ac(80M) 5.2G	Tx1	Right Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.001	0.001	-
WLAN 802.11ac(80M) 5.2G	Tx1	Left Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
WILANI 000 44/2010 5 00	т.	Death O. Co.	_			Tolerance (dBm)	(dBm)			Measured	Reported	
WLAN 802.11ac(80M) 5.3G	Tx1	Back Surface	0	58	5290	13.50	13.49	1.03	100.23%	0.073	0.075	-
WLAN 802.11ac(80M) 5.3G	Tx1	Top Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.301	0.311	060
WLAN 802.11ac(80M) 5.3G	Tx1	Right Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.001	0.001	-
WLAN 802.11ac(80M) 5.3G	Tx1	Left Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg)	ID
WLAN 802.11ac(80M) 5.6G	Tx1	Back Surface	0	106	5530	13.50	13.49	1.03	100.23%	Measured 0.129	Reported 0.133	
, ,												-
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	106	5530	13.50	13.49	1.03	100.23%	0.412	0.426	06
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	122	5610	13.50	13.47	1.03	100.69%	0.385	0.400	-
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	138	5690	13.50	13.48	1.03	100.46%	0.391	0.405	-
WLAN 802.11ac(80M) 5.6G	Tx1	Right Edge	0	106	5530	13.50	13.49	1.03	100.23%	0.001	0.001	-
WLAN 802.11ac(80M) 5.6G	Tx1	Left Edge	0	106	5530	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	IC
MII ANI 000 44 - (00M) 5 00	T.	Deal Outro		455		Tolerance (dBm)	(dBm)	4.00	400.000/	Measured	Reported	-
WLAN 802.11ac(80M) 5.8G	Tx1	Back Surface	0	155	5775	13.50	13.49	1.03	100.23%	0.082	0.085	-
WLAN 802.11ac(80M) 5.8G	Tx1	Top Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.263	0.272	06
WLAN 802.11ac(80M) 5.8G	Tx1	Right Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.001	0.001	-
WLAN 802.11ac(80M) 5.8G	Tx1	Left Edge	0 Distance	155	5775 Freq.	13.50 Max. Rated Avg.	13.49 Measured	1.03 Duty cycle	100.23% Power	0.001 Averaged SAR	0.001 over 1g (W/kg)	-
Band	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	scaling	scaling	Measured	Reported	ID
WLAN 802.11ac(80M) 5.9G	Tx1	Back Surface	0	171	5855	13.50	13.49	1.03	100.23%	0.104	0.107	-
WLAN 802.11ac(80M) 5.9G	Tx1	Top Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.317	0.328	06
WLAN 802.11ac(80M) 5.9G	Tx1	Right Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.001	0.001	-
WLAN 802.11ac(80M) 5.9G	Tx1	Left Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	_	over 1g (W/kg)	IC
			1 1		1 1	Tolerance (dBm)	(dBm)	_	-	Measured	Reported	
WLAN 802.11b	Tx2	Back Surface	0	11	2462	15.50	15.49	1.07	100.23%	0.065	0.070	
WLAN 802.11b	Tx2	Top Edge	0	1	2412	15.50	15.48	1.07	100.46%	0.455	0.490	
WLAN 802.11b	Tx2	Top Edge	0	6	2437	15.50	15.47	1.07	100.69%	0.482	0.521	<u> </u>
WLAN 802.11b	Tx2	Top Edge	0	11	2462	15.50	15.49	1.07	100.23%	0.511	0.550	0
WLAN 802.11b	Tx2	Right Edge	0	11	2462	15.50	15.49	1.07	100.23%	0.014	0.015	
WLAN 802.11b	Tx2	Left Edge	0	11	2462	15.50	15.49	1.07	100.23%	0.001	0.001	
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	
			, ,			Tolerance (dBm)	(dBm)	-		Measured	Reported	
WLAN 802.11ac(80M) 5.2G	Tx2	Back Surface	0	42	5210	13.50	13.49	1.03	100.23%	0.084	0.087	<u> </u>
WLAN 802.11ac(80M) 5.2G	Tx2	Top Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.310	0.320	06
WLAN 802.11ac(80M) 5.2G	Tx2	Right Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.018	0.019	
WLAN 802.11ac(80M) 5.2G	Tx2	Left Edge	0	42	5210	13.50	13.49	1.03	100.23%	0.001	0.001	
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power	Duty cycle scaling	Power scaling		over 1g (W/kg)	
MI AN 000 44(0010 5 00	т.	Deels O. Co.	, ,	F0		, ,	(dBm)	-		Measured	Reported	
WLAN 802.11ac(80M) 5.3G	Tx2	Back Surface	0	58	5290	13.50	13.49	1.03	100.23%	0.064	0.066	₩.
	Tx2	Top Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.264	0.273	06
WLAN 802.11ac(80M) 5.3G	Tx2	Right Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.013	0.013	
WLAN 802.11ac(80M) 5.3G		Left Edge	0	58	5290	13.50	13.49	1.03	100.23%	0.001	0.001	
, ,	Tx2	Len Euge				Max. Rated Avg.	Measured	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ı
WLAN 802.11ac(80M) 5.3G	Tx2 Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Power + Max.	Avg. Power					
WLAN 802.11ac(80M) 5.3G WLAN 802.11ac(80M) 5.3G Band	Antenna	Position	(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11ac(80M) 5.3G WLAN 802.11ac(80M) 5.3G Band WLAN 802.11ac(80M) 5.6G	Antenna Tx2	Position  Back Surface	(mm) 0	138	(MHz) 5690	Tolerance (dBm) 13.50	(dBm) 13.49	scaling 1.03	scaling 100.23%	Measured 0.072	Reported 0.074	
WLAN 802.11ac(80M) 5.3G WLAN 802.11ac(80M) 5.3G Band	Antenna	Position	(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
WLAN 802.11ac(80M) 5.3G WLAN 802.11ac(80M) 5.3G Band WLAN 802.11ac(80M) 5.6G	Antenna Tx2	Position  Back Surface	(mm) 0	138	(MHz) 5690	Tolerance (dBm) 13.50	(dBm) 13.49	scaling 1.03	scaling 100.23%	Measured 0.072	Reported 0.074	
WLAN 802.11ac(80M) 5.3G WLAN 802.11ac(80M) 5.3G Band WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G	Antenna Tx2 Tx2	Position  Back Surface  Top Edge	(mm) 0 0	138 106	(MHz) 5690 5530	Tolerance (dBm) 13.50 13.50	(dBm) 13.49 13.47	1.03 1.03	scaling 100.23% 100.69%	Measured 0.072 0.204	Reported 0.074 0.212	-
WLAN 802.11ac(80M) 5.3G WLAN 802.11ac(80M) 5.3G Band WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G WLAN 802.11ac(80M) 5.6G	Antenna Tx2 Tx2 Tx2 Tx2	Position  Back Surface  Top Edge  Top Edge	(mm) 0 0	138 106 122	(MHz) 5690 5530 5610	Tolerance (dBm) 13.50 13.50 13.50	(dBm) 13.49 13.47 13.48	1.03 1.03 1.03	scaling 100.23% 100.69% 100.46%	Measured 0.072 0.204 0.185	Reported 0.074 0.212 0.192	-

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Band	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	13.50	13.49	1.03	100.23%	0.071	0.073	-
WLAN 802.11ac(80M) 5.8G	Tx2	Top Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.229	0.237	068
WLAN 802.11ac(80M) 5.8G	Tx2	Right Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.009	0.010	-
WLAN 802.11ac(80M) 5.8G	Tx2	Left Edge	0	155	5775	13.50	13.49	1.03	100.23%	0.001	0.001	-
Band	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) 5.9G	Tx2	Back Surface	0	171	5855	13.50	13.49	1.03	100.23%	0.083	0.086	
WLAN 802.11ac(80M) 5.9G	Tx2	Top Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.263	0.272	069
WLAN 802.11ac(80M) 5.9G	Tx2	Right Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.015	0.016	-
WLAN 802.11ac(80M) 5.9G	Tx2	Left Edge	0	171	5855	13.50	13.49	1.03	100.23%	0.001	0.001	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling		over 1g (W/kg)		W/m^2 (4cm^2)	ID
			_							Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1 Tx1	Back Surface Back Surface	0	15 47	6025 6185	9.50 9.50	9.49	1.05	100.23% 100.46%	0.009	0.009	0.122 0.121	0.128 0.127	_
U-NII-5 6.2GHz 802.11ax(160M)								1.05						-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	15	6025	9.50	9.49	1.05	100.23%	0.119	0.125	0.771	0.808	070
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	47	6185	9.50	9.48	1.05	100.46%	0.065	0.068	0.419	0.440	071
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	79	6345	9.50	9.47	1.05	100.69%	0.062	0.065	0.389	0.410	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Right Edge	0	15	6025	9.50	9.49	1.05	100.23%	0.004	0.004	0.058	0.061	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Right Edge	0	47	6185	9.50	9.48	1.05	100.46%	0.002	0.002	0.04	0.042	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Left Edge	0	15	6025	9.50	9.49	1.05	100.23%	0.003	0.003	0.026	0.027	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Left Edge	0	47	6185	9.50	9.48	1.05	100.46%	0.004	0.004	0.035	0.037	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg) Reported	Estimated APD Measured	W/m^2 (4cm^2) Reported	ID
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Back Surface	0	111	6505	10.00	9.99	1.05	100.23%	0.030	0.031	0.246	0.258	-
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Top Edge	0	111	6505	10.00	9.99	1.05	100.23%	0.085	0.089	0.53	0.556	072
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Right Edge	0	111	6505	10.00	9.99	1.05	100.23%	0.005	0.005	0.045	0.047	
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Left Edge	0	111	6505	10.00	9.99	1.05	100.23%	0.006	0.006	0.051	0.053	-
Band	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)		W/m^2 (4cm^2) Reported	ID
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Back Surface	0	175	6825	9.50	9.49	1.05	100.23%	0.078	0.082	0.733	0.768	
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Top Edge	0	143	6665	9.50	9.48	1.05	100.25%	0.076	0.002	2.17	2.280	
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Top Edge	0	175	6825	9.50	9.49	1.05	100.46%	0.287	0.302	2.17	2.288	073
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Right Edge	0	175	6825	9.50	9.49	1.05	100.23%	0.411	0.431	0.104	0.109	- 073
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Left Edge	0	175	6825	9.50	9.49	1.05	100.23%	0.015	0.016	0.136	0.143	
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
						, ,				Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Back Surface	0	207	6985	10.00	9.99	1.05	100.23%	0.021	0.022	0.187	0.196	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Top Edge	0	207	6985	10.00	9.99	1.05	100.23%	0.069	0.072	0.448	0.470	074
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Right Edge	0	207	6985	10.00	9.99	1.05	100.23%	0.008	0.008	0.065	0.068	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Left Edge	0	207	6985	10.00	9.99	1.05	100.23%	0.010	0.010	0.079	0.083	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	Estimated APD Measured	W/m^2 (4cm^2) Reported	ID
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Back Surface	0	15	6025	9.50	9.49	1.05	100.23%	0.005	0.005	0.027	0.028	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx2													
		Back Surface	0	70					100.46%	0.004	0.004			
11 NIII E C 20 Hz 902 44 ov/4 00M		Back Surface	0	79	6345	9.50	9.48	1.05	100.46%	0.004	0.004	0.022	0.023	- 07
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge	0	15	6345 6025	9.50 9.50	9.48 9.49	1.05 1.05	100.23%	0.073	0.077	0.022 0.436	0.023 0.457	
U-NII-5 6.2GHz 802.11ax(160M)	Tx2 Tx2	Top Edge Top Edge	0	15 47	6345 6025 6185	9.50 9.50 9.50	9.48 9.49 9.47	1.05 1.05 1.05	100.23% 100.69%	0.073 0.056	0.077	0.022 0.436 0.341	0.023 0.457 0.359	-
U-NII-5 6.2GHz 802.11ax(160M) U-NII-5 6.2GHz 802.11ax(160M)	Tx2 Tx2 Tx2	Top Edge Top Edge Top Edge	0 0	15 47 79	6345 6025 6185 6345	9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48	1.05 1.05 1.05 1.05	100.23% 100.69% 100.46%	0.073 0.056 0.064	0.077 0.059 0.067	0.022 0.436 0.341 0.416	0.023 0.457 0.359 0.437	076
U-NII-5 6.2GHz 802.11ax(160M) U-NII-5 6.2GHz 802.11ax(160M) U-NII-5 6.2GHz 802.11ax(160M)	Tx2 Tx2 Tx2 Tx2 Tx2	Top Edge Top Edge Top Edge Right Edge	0 0 0 0	15 47 79 15	6345 6025 6185 6345 6025	9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49	1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23%	0.073 0.056 0.064 0.013	0.077 0.059 0.067 0.014	0.022 0.436 0.341 0.416 0.144	0.023 0.457 0.359 0.437 0.151	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge	0 0 0 0 0	15 47 79 15 79	6345 6025 6185 6345 6025 6345	9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48	1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46%	0.073 0.056 0.064 0.013 0.011	0.077 0.059 0.067 0.014 0.012	0.022 0.436 0.341 0.416 0.144 0.123	0.023 0.457 0.359 0.437 0.151 0.129	- 076
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Top Edge Right Edge Right Edge Left Edge	0 0 0 0 0	15 47 79 15 79	6345 6025 6185 6345 6025 6345 6025	9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48 9.49	1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23%	0.073 0.056 0.064 0.013 0.011 0.004	0.077 0.059 0.067 0.014 0.012 0.004	0.022 0.436 0.341 0.416 0.144 0.123 0.056	0.023 0.457 0.359 0.437 0.151 0.129 0.059	- 076
U-NII-5 6.2GHz 802.11ax(160M)	Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge	0 0 0 0 0	15 47 79 15 79	6345 6025 6185 6345 6025 6345	9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48	1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46%	0.073 0.056 0.064 0.013 0.011	0.077 0.059 0.067 0.014 0.012	0.022 0.436 0.341 0.416 0.144 0.123	0.023 0.457 0.359 0.437 0.151 0.129	- 076
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Top Edge Right Edge Right Edge Left Edge	0 0 0 0 0	15 47 79 15 79	6345 6025 6185 6345 6025 6345 6025	9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48 9.49	1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23%	0.073 0.056 0.064 0.013 0.011 0.004 0.005 Averaged SAR	0.077 0.059 0.067 0.014 0.012 0.004 0.005 over 1g (W/kg)	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.059 Estimated APD	0.023 0.457 0.359 0.437 0.151 0.129 0.059	076 - -
U-NII-5 6.2GHz 802.11ax(160M) Band	Tx2	Top Edge Top Edge Top Edge Top Edge Right Edge Right Edge Left Edge Left Edge	0 0 0 0 0 0 0 0	15 47 79 15 79 15 79	6345 6025 6185 6345 6025 6345 6025 6345 Freq. (MHz)	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50 Max. Rated Avg., Power + Max. Tolerance (dBm)	9.48 9.49 9.47 9.48 9.49 9.48 9.49 9.48 Measured Avg. Power	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% Power scaling	0.073 0.056 0.064 0.013 0.011 0.004 0.005	0.077 0.059 0.067 0.014 0.012 0.004 0.005	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.059	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.062 W/m^2 (4cm^2)	- 076
U-NII-5 6.2GHz 802.11ax(160M) Band U-NII-5 6.5GHz 802.11ax(160M)	T1/2 T1/2 T1/2 T1/2 T1/2 T1/2 T1/2 T1/2	Top Edge Top Edge Top Edge Right Edge Right Edge Left Edge Left Edge Position Back Surface	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 Channel	6345 6025 6185 6345 6025 6345 6025 6345 Freq. (MHz)	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48 9.49 9.48 Measured Avg. Power (dBm) 9.99	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% Power scaling	0.073 0.056 0.064 0.013 0.011 0.004 0.005 Averaged SAR Measured 0.007	0.077 0.059 0.067 0.014 0.012 0.004 0.005 over 1g (W/kg) Reported 0.007	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.059 Estimated APD Measured 0.045	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.062 W/m^2 (4cm^2) Reported 0.047	076
U-NII-5 6.2GHz 802.11ax(160M) U-NII-6 6.2GHz 802.11ax(160M) U-NII-6 6.2GHz 802.11ax(160M) U-NII-5 6.2GHz 802.11ax(160M) U-NII-6 6.2GHz 802.11ax(160M) U-NII-6 6.2GHz 802.11ax(160M) U-NII-6 6.2GHz 802.11ax(160M)  Band U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M)	T1/2 T1/2 T1/2 T1/2 T1/2 T1/2 T1/2 T1/2	Top Edge Top Edge Top Edge Top Edge Right Edge Right Edge Left Edge Left Edge Position Back Surface Top Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 Channel 111 111	6345 6025 6185 6345 6025 6345 6025 6345 Freq. (MHz) 6505	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 10.00	9.48 9.49 9.47 9.48 9.49 9.48 9.49 9.48 Measured Avg. Power (dBm) 9.99	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% Power scaling 100.23% 100.23%	0.073 0.056 0.064 0.013 0.011 0.004 0.005 Averaged SAR Measured 0.007 0.086	0.077 0.059 0.067 0.014 0.012 0.004 0.005 over 1g (W/kg) Reported 0.007 0.090	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.059 Estimated APD Measured 0.045 0.613	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.062 W/m^2 (4cm^2) Reported 0.047 0.643	076
U-NII-5 6.2GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M)	T1/2 T1/2 T1/2 T1/2 T1/2 T1/2 T1/2 T1/2	Top Edge Top Edge Top Edge Right Edge Right Edge Right Edge Left Edge Left Edge Position Back Surface Top Edge Right Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 Channel 111 111	6345 6025 6185 6345 6025 6345 6025 6345 Freq. (MHz) 6505 6505	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.49 9.48 Measured Avg. Power (dBm) 9.99 9.99	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% Power scaling 100.23% 100.23%	0.073 0.056 0.064 0.013 0.004 0.005 Averaged SAR Measured 0.007 0.086 0.015	0.077 0.059 0.067 0.014 0.002 0.004 0.005 over 1g (W/kg) Reported 0.009 0.090	0.022 0.436 0.341 0.416 0.144 0.123 0.056 Estimated APD Measured 0.045 0.613 0.155	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.062 W/m^2 (4cm^2) Reported 0.047 0.643 0.163	070
U-NII-5 6.2GHz 802.11ax(160M)  Band U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M)	T1/2 T1/2 T1/2 T1/2 T1/2 T1/2 T1/2 T1/2	Top Edge Top Edge Top Edge Top Edge Right Edge Right Edge Left Edge Left Edge Position Back Surface Top Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 Channel 111 111	6345 6025 6185 6345 6025 6345 6025 6345 Freq. (MHz) 6505	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 10.00	9.48 9.49 9.47 9.48 9.49 9.48 9.49 9.48 Measured Avg. Power (dBm) 9.99	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% Power scaling 100.23% 100.23%	0.073 0.056 0.064 0.013 0.011 0.004 0.005 Averaged SAR Measured 0.007 0.086 0.015 0.007 Averaged SAR	0.077 0.059 0.067 0.014 0.012 0.004 0.005 over 1g (W/kg) Reported 0.007 0.090 0.016 0.007 over 1g (W/kg)	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.059 Estimated APD Measured 0.045 0.613 0.155 0.071 Estimated APD	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.062 W/m^2 (4cm^2) Reported 0.047 0.643 0.163 0.074 W/m^2 (4cm^2)	076
U-NII-5 6.2GHz 802.11ax(160M)  Band U-NII-6 6.5GHz 802.11ax(160M) Band	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Left Edge Left Edge Position Back Surface Top Edge Right Edge Left Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 Channel 111 111 Channel	6345 6025 6185 6345 6025 6345 6025 6345 Freq. (MHz) 6505 6505 6505 Freq. (MHz)	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48 9.49 9.48 9.49 9.48 Measured Avg. Power (dBm) 9.99 9.99 9.99 Measured Avg. Power (dBm)	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% Power scaling 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.013 0.011 0.001 0.005 Averaged SAR Measured 0.007 0.086 0.015 0.007 Averaged SAR	0.077 0.059 0.067 0.014 0.012 0.004 0.005  over 1g (W/kg)  Reported 0.007 0.090 0.016 0.007  over 1g (W/kg)	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.056 0.059  Estimated APD Measured 0.045 0.615 0.071  Estimated APD Measured	0.023 0.457 0.359 0.437 0.151 0.129 0.062 W/m^2 (4cm^2) Reported 0.047 0.643 0.074 W/m^2 (4cm^2)	076
U-NII-5 6.2GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Left Edge Left Edge Left Edge Left Edge Left Edge Position Back Surface Top Edge Right Edge Left Edge Left Edge Right Edge Left Edge Right Edge Left Edge Left Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 Channel 111 111 111 111 111 111 111 111 111 1	6345 6025 6185 6385 6326 6025 6345 6025 6345 Freq. (MHz) 6505 6505 6505 Freq. (MHz)	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.49 9.49 9.49 Measured Avg. Power (dBm) 9.99 9.99 9.99 9.99 Measured Avg. Power (dBm)	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.013 0.011 0.004 0.005 Averaged SAR Measured 0.007 0.007 Averaged SAR 0.007 Averaged SAR 0.007	0.077 0.059 0.067 0.014 0.012 0.004 0.005 over 1g (W/kg) Reported 0.007 0.090 0.016 0.007 over 1g (W/kg)	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.059 Estimated APD Measured 0.045 0.613 0.155 0.059 Measured 0.045 0.613 0.155 0.059	0.023 0.467 0.359 0.437 0.151 0.129 0.059 0.062 W/m^2 (4cm^2) Reported 0.043 0.163 0.074 W/m^2 (4cm^2) Reported 0.097	- 0766
U-NII-5 6.2GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Right Edge Left Edge Left Edge Left Edge Left Edge Position Back Surface Top Edge Right Edge Left Edge Left Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 16 17 11 111 111 111 111 111 111 111 11	6345 6025 6185 6346 6025 6345 6025 6345 6025 6346 Freq. (MHz) 6505 6505 6505 6506 Freq. (MHz) 66665	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48 9.49 9.48 Measured Avg. Power (dBm) 9.99 9.99 Measured Avg. Power (dBm) 9.99 9.99 9.99 9.99 9.99 9.99 9.99 9.	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.013 0.011 0.004 0.005 Averaged SAR Measured 0.007 0.007 Averaged SAR Measured 0.007 0.007	0.077 0.059 0.067 0.014 0.012 0.007 0.004 0.005  over 1g (W/kg)  Reported 0.007 0.006 0.007	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.056 0.066 0.045 0.013 0.045 0.013 0.071 Estimated APD Measured 0.067	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.069 0.062 0.064 0.047 0.643 0.163 0.074 W/m²2 (4cm²2) Reported 0.091	
U-NII-5 6.2GHz 802.11ax(160M)  U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Right Edge Left Edge Left Edge Left Edge Left Edge Position  Back Surface Top Edge Position  Back Surface Top Edge Top Edge Top Edge Top Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 15 79 Channel 111 111 111 Channel 143 143	6345 6025 6185 6345 6025 6345 6025 6346 Freq. (MHz) 6505 6505 6505 6505 6505 6505 6505	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48 9.49 9.49 9.49 9.99 9.49 9.40	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.69% 100.46% 100.23% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.064 0.013 0.011 0.005 Averaged SAR Measured 0.007 0.086 0.015 0.007 Averaged SAR Measured 0.010 0.007	0.077 0.059 0.067 0.014 0.014 0.014 0.005 0.007 0.006 0.005 0.007 0.000 0.007 0.000 0.007 0.000 0.007 0.000 0.007 0.000 0.007 0.000 0.007 0.000 0.007	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.059 Estimated APD Measured 0.045 0.613 0.613 0.670 Measured 0.067 0.067	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.069 0.002 Wim*2 (4cm*2) 0.643 0.074 Wim*2 (4cm*2) Reported 0.091 0.091 0.091	- 076
U-NII-5 6.2GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.7GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Left Edge Left Edge Left Edge Left Edge Left Edge Position Back Surface Top Edge Right Edge Left Edge Right Edge Left Edge Right Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 Channel 111 111 111 Channel 143 143 143 143 143	6345 6025 6185 6345 6025 6345 6025 6345 6025 6345 Freq. (MHz) 6505 6505 6506 6506 6506 6665 6665 666	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.49 9.49 9.49 9.49 Measured Avg. Power (dBm) 9.99 9.99 9.99 Measured Avg. Power (dBm) 9.49	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.46% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.013 0.011 0.001 0.005 Averaged SAR Measured 0.007 0.066 0.015 0.070 Averaged SAR Measured 0.007 0.096 0.015 0.007 0.008	0.077 0.059 0.067 0.014 0.012 0.007 0.006 Reported 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.059 Estimated APD Measured 0.045 0.613 0.155 0.071 Estimated APD Measured 0.067 0.724	0.023 0.467 0.359 0.437 0.151 0.129 0.059 0.069 0.069 0.062 Wim^2 (4cm^2) Reported 0.047 0.643 0.163 0.074 Wim^2 (4cm^2) 0.075 0.091 0.759	- 07 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 - 10
U-NII-5 6.2GHz 802.11ax(160M)  U-NII-5 6.2GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Right Edge Left Edge Left Edge Left Edge Left Edge Position  Back Surface Top Edge Position  Back Surface Top Edge Top Edge Top Edge Top Edge	0 0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 15 79 Channel 111 111 111 Channel 143 143	6345 6025 6185 6345 6025 6345 6025 6346 Freq. (MHz) 6505 6505 6505 6505 6505 6505 6505	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.49 9.48 9.49 9.48 Measured Avg. Power (dBm) 9.99 9.99 9.99 Measured 409 9.49 9.49 9.49 9.49 9.49 9.49 9.49	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.469% 100.23% 100.46% 100.23% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.013 0.011 0.001 0.004 0.005 Averaged SAR Measured 0.007 0.086 0.015 0.097 Averaged SAR Measured 0.007 Averaged SAR Averaged SAR Averaged SAR Averaged SAR Averaged SAR 0.016 0.099 Averaged SAR	0.077 0.059 0.067 0.014 0.012 0.007 0.006 Reported 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 over 1g (W/kg) Reported 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009	0.022 0.436 0.341 0.416 0.144 0.162 0.056 0.059 Estimated APD Measured 0.045 0.613 0.155 0.071 Estimated APD Measured 0.087 0.724 0.062 0.167 0.089	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.069 0.002 Wim*2 (4cm*2) 0.643 0.074 Wim*2 (4cm*2) Reported 0.091 0.091 0.091	
U-NII-5 6.2GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Right Edge Left Edge Left Edge Left Edge Position  Back Surface Top Edge Right Edge Left Edge	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 15 79 Channel 111 111 111 111 Channel 143 143 143 143	6345 6025 6185 6345 6025 6345 6025 6346 6025 6346 6026 6506 6506 6506 6506 6506 6506 650	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.49 9.48 9.49 9.48 Measured Avg, Power (dBm) 9.99 9.99 9.99 9.99 Measured Avg, Power (dBm) 9.49 9.48 9.48 9.49 9.48	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% Power scaling 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.064 0.013 0.011 0.001 0.005 Averaged SAR Measured 0.007 0.086 0.015 0.087 Averaged SAR Measured 0.007 0.088 0.016 0.098	0.077 0.059 0.067 0.014 0.012 0.007 0.006 0.007 0.006 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007	0.022 0.436 0.341 0.416 0.144 0.162 0.056 0.059 Estimated APD Measured 0.045 0.613 0.155 0.071 Estimated APD Measured 0.087 0.724 0.062 0.167 0.069	0.023 0.467 0.359 0.437 0.151 0.129 0.069 0.069 0.062 Wim*2 (4cm*2) Wim*2 (4cm*2) Reported 0.047 0.643 0.163 0.074 0.074 0.091 0.759 0.098	
U-NII-5 6.2GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Right Edge Left Edge Left Edge Left Edge Position  Back Surface Top Edge Right Edge Left Edge	0 0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 15 79 Channel 111 111 111 111 Channel 143 143 143 143	6345 6025 6185 6345 6025 6345 6025 6346 6025 6346 6026 6506 6506 6506 6506 6506 6506 650	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.49 9.48 9.49 9.48 Measured Avg. Power (dBm) 9.99 9.99 9.99 Measured 409 9.49 9.49 9.49 9.49 9.49 9.49 9.49	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.469% 100.23% 100.46% 100.23% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.013 0.011 0.001 0.004 0.005 Averaged SAR Measured 0.007 0.086 0.015 0.097 Averaged SAR Measured 0.007 Averaged SAR Averaged SAR Averaged SAR Averaged SAR Averaged SAR 0.016 0.099 Averaged SAR	0.077 0.059 0.067 0.014 0.012 0.007 0.006 Reported 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 over 1g (W/kg) Reported 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009	0.022 0.436 0.341 0.416 0.144 0.162 0.056 0.059 Estimated APD Measured 0.045 0.613 0.155 0.071 Estimated APD Measured 0.087 0.724 0.062 0.167 0.089	0.023 0.457 0.359 0.437 0.151 0.129 0.069 0.069 0.062 Wim*2 (4cm*2) Wim*2 (4cm*2) Reported 0.047 0.643 0.163 0.074 0.074 0.091 0.759 0.098 0.091 0.759 0.093	
U-NII-5 6.2GHz 802.11ax(160M) U-NII-5 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M) Band	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Right Edge Left Edge Left Edge Position Back Surface Top Edge Right Edge Left Edge Left Edge Left Edge Left Edge Left Edge Position	0 0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 Channel 111 111 111 Channel 143 143 143 143 Channel	6345 6025 6185 6345 6025 6345 6025 6346 6025 6346 6026 6506 6506 6506 6506 6506 6606 660	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48 9.49 9.48 Measured Avg. Power (dBm) 9.99 9.99 9.99 9.99 9.99 Measured Avg. Power (dBm) 9.49 9.49 9.49 9.49 9.49 9.49 9.49 9.4	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.469% 100.469% 100.23% 100.46% 100.23% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.013 0.011 0.004 0.005 Averaged SAR Measured 0.007 0.086 0.015 0.007 Averaged SAR Measured 0.007 Averaged SAR Measured 0.007 Averaged SAR Measured 0.016 0.098 0.088 0.088 0.098 Averaged SAR	0.077 0.059 0.067 0.014 0.012 0.007 0.007 0.090 0.090 0.090 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.016 0.007 0.007 0.009 0.016 0.009 0.017 0.009 0ver 1g (W/kg)	0.022 0.436 0.341 0.416 0.144 0.123 0.056 0.056 0.056 0.045 0.613 0.155 0.071 Estimated APD Measured 0.062 0.167 0.069	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.069 0.069 0.064 0.047 0.643 0.074 W/m²2 (4cm²2) Reported 0.091 0.759 0.696 0.103 W/m²2 (4cm²2) Reported	
U-NII-5 6.2GHz 802.11ax(160M)  Band U-NII-5 6.2GHz 802.11ax(160M) U-NII-5 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 7.5GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M) Band U-NII-7 6.7GHz 802.11ax(160M) U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge Top Edge Top Edge Right Edge Right Edge Right Edge Left Edge Left Edge Left Edge Position  Back Surface Top Edge Right Edge Left Edge Left Edge Left Edge Left Edge Position	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 47 79 15 79 15 79 Channel 111 111 111 111 111 143 143 143 143 Channel 207	6345 6025 6185 6346 6025 6346 6025 6346 6025 6346 6025 6346 Freq. (MHz) 6506 6506 6506 Freq. (MHz) 6665 6665 6665 6665 Freq. (MHz) 6985	9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.50	9.48 9.49 9.47 9.48 9.49 9.48 9.49 9.49 9.49 9.49 9.49	1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	100.23% 100.69% 100.46% 100.23% 100.46% 100.23% 100.46% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23% 100.23%	0.073 0.056 0.064 0.064 0.073 0.071 0.071 0.005 Averaged SAR Measured 0.007 0.086 0.015 0.007 Averaged SAR Measured 0.010 0.098 0.016 0.010 0.088 0.016 0.008	0.077 0.059 0.067 0.014 0.012 0.007 0.006 0.006 Reported 0.007 0.007 0.007 0.007 0.007 0.007 0.016 0.010 0.103 0.010 0.103 0.017 0.009 0.017 0.009 0.017 0.009 Reported 0.010 0.017 0.009 0.017 0.009 0.017 0.009 0.017 0.009	0.022 0.436 0.341 0.416 0.144 0.143 0.056 0.059 Estimated APD Measured 0.045 0.613 0.155 0.071 Estimated APD Measured 0.087 0.074 0.662 0.167 0.082 0.167 0.084	0.023 0.457 0.359 0.437 0.151 0.129 0.059 0.062 0.062 Wim'2 (4cm'2) Reported 0.047 0.643 0.163 0.163 0.163 0.163 0.174 Wim'2 (4cm'2) Reported 0.091 0.096 0.175 0.098 0.175 0.898 0.175 0.898 0.175 0.898	

## Note:

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

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

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# 8.3 Summary of PD Results

#### Vendor 2

7011GO1 <b>=</b>															
					_	Max. Rated Avg.	Measured	_				PD res	ult(4cm)		
Band	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	15	6025	9.50	9.49	100.23%	1.05	1.55	1.640	2.665	1.610	2.616	024
U-NII-5	Tx1	Top Edge	2	47	6185	9.50	9.48	100.46%	1.05	1.55	1.540	2.508	1.500	2.443	025
WLAN 6E 802.11ax(160M) U-NII-6	Tx1	Top Edge	2	111	6505	10.00	9.99	100.23%	1.05	1.55	1.900	3.088	1.860	3.023	026
WLAN 6E 802.11ax(160M) U-NII-7	Tx1	Top Edge	2	175	6825	9.50	9.49	100.23%	1.05	1.55	1.580	2.568	1.540	2.503	027
WLAN 6E 802.11ax(160M) U-NII-8	Tx1	Top Edge	2	207	6985	10.00	9.99	100.23%	1.05	1.55	1.670	2.714	1.560	2.535	028
			Bistones		F	Max. Rated Avg.	Measured	T	D. d			PD res	ult(4cm)		
Band	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	9.50	9.49	100.23%	1.05	1.55	2.020	3.283	1.920	3.120	029
U-NII-5	Tx2	Top Edge	2	79	6345	9.50	9.48	100.46%	1.05	1.55	2.070	3.372	1.960	3.192	030
WLAN 6E 802.11ax(160M) U-NII-6	Tx2	Top Edge	2	111	6505	10.00	9.99	100.23%	1.05	1.55	2.010	3.266	1.950	3.169	031
WLAN 6E 802.11ax(160M) U-NII-7	Tx2	Top Edge	2	143	6665	9.50	9.49	100.23%	1.05	1.55	1.610	2.616	1.590	2.584	032
WLAN 6E 802.11ax(160M) U-NII-8	Tx2	Top Edge	2	207	6985	10.00	9.99	100.23%	1.05	1.55	1.630	2.649	1.610	2.616	033

#### Vendor 1

7011GO1 1															
			B*******		F	Max. Rated Avg.	Measured		D			PD res	ult(4cm)		
Band	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	15	6025	9.50	9.49	100.23%	1.05	1.55	0.234	0.380	0.218	0.354	080
U-NII-5	Tx1	Top Edge	2	47	6185	9.50	9.48	100.46%	1.05	1.55	0.341	0.555	0.304	0.495	081
WLAN 6E 802.11ax(160M) U-NII-6	Tx1	Top Edge	2	111	6505	10.00	9.99	100.23%	1.05	1.55	0.434	0.705	0.408	0.663	082
WLAN 6E 802.11ax(160M) U-NII-7	Tx1	Top Edge	2	175	6825	9.50	9.49	100.23%	1.05	1.55	0.626	1.017	0.552	0.897	083
WLAN 6E 802.11ax(160M) U-NII-8	Tx1	Top Edge	2	207	6985	10.00	9.99	100.23%	1.05	1.55	0.512	0.832	0.455	0.739	084
			Distance		Freq.	Max. Rated Avg.	Measured	Tune-up	D. 4			PD res	ult(4cm)		
Band	Antenna	Position	(mm)	Channel	(MHz)	Power + Max. Tolerance (dBm)	Avg. Power (dBm)	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	9.50	9.49	100.23%	1.05	1.55	0.613	0.996	0.509	0.827	085
U-NII-5	Tx2	Top Edge	2	79	6345	9.50	9.48	100.46%	1.05	1.55	0.800	1.303	0.723	1.178	086
WLAN 6E 802.11ax(160M) U-NII-6	Tx2	Top Edge	2	111	6505	10.00	9.99	100.23%	1.05	1.55	0.529	0.860	0.482	0.783	087
WLAN 6E 802.11ax(160M) U-NII-7	Tx2	Top Edge	2	143	6665	9.50	9.49	100.23%	1.05	1.55	0.745	1.211	0.667	1.084	088
WLAN 6E 802.11ax(160M) U-NII-8	Tx2	Top Edge	2	207	6985	10.00	9.99	100.23%	1.05	1.55	1.810	2.941	1.730	2.811	089

# Note:

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

# 8.4 Reporting statements of conformity

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

## 8.5 Conclusion

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

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# 9 SIMULTANEOUS TRANSMISSION ANALYSIS

## 9.1 Simultaneous Transmission Scenarios:

Simultaneous Transmission configurations
WLAN 2.4GHz Tx1 + WLAN 2.4GHz Tx2 + BT Tx1
WLAN 5GHz Tx1 + WLAN 5GHz Tx2 + BT Tx1
WLAN 6GHz Tx1 + WLAN 6GHz Tx2 + BT Tx1

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## **Estimated SAR calculation**

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

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

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

#### 9.3 SPLSR evaluation and analysis

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

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

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

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

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

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# Simultaneous Transmission Combination Vendor 2

				Reported SAR				Scenario 1	Scenario 2	Scenario 3
	2	3	4	5	6	8	9	2+3+6	4+5+6	6+8+9
osition	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
	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)			
0	0.131	0.042	0.078	0.079	0.094	0.034	0.025	0.267	0.251	0.153
0	0.427	0.316	0.293	0.295	0.299	0.126	0.074	1.042	0.887	0.499
0	0.005	0.001	0.001	0.018	0.001	0.010	0.015	0.007	0.020	0.026
0	0.017	0.001	0.001	0.001	0.011	0.013	0.006	0.029	0.013	0.030
	0 0 0	Tx1         1g SAR (W/kg)           0         0.131           0         0.427           0         0.005	Tx1         Tx2           1g SAR (Wkg)         1g SAR (Wkg)           0         0.131         0.042           0         0.427         0.316           0         0.005         0.001	Tx1         Tx2         SGHz WLAN IX1           1g SAR (W/kg)         1g SAR (W/kg)         1g SAR (W/kg)           0         0.131         0.042         0.078           0         0.427         0.316         0.293           0         0.005         0.001         0.001	2         3         4         5           2.4GHz WLAN TX1         2.4GHz WLAN TX2         5GHz WLAN TX1         5GHz WLAN TX2           1g SAR (W/kg)         1g SAR (W/kg)         1g SAR (W/kg)         1g SAR (W/kg)         1g SAR (W/kg)           0         0.131         0.042         0.078         0.079           0         0.427         0.316         0.293         0.295           0         0.005         0.001         0.001         0.018	2         3         4         5         6           2.4GHz WLAN TX1         5GHz WLAN TX1         5GHz WLAN TX2         Bluetooth TX1           Tg SAR (W/kg)         1g S	2         3         4         5         6         8           2.4GHz WLAN TX1         2.4GHz WLAN TX2         5GHz WLAN TX1         5GHz WLAN TX2         Bluetooth TX1         6GHz WLAN TX1           1g SAR (W/kg)         1g SAR (W/kg)	2         3         4         5         6         8         9           2.4GHz WLAN Tx1         2.4GHz WLAN Tx2         5GHz WLAN Tx1         5GHz WLAN Tx2         Bluetooth Tx1         6GHz WLAN Tx1         6GHz WLAN Tx2           1g SAR (W/kg)         1g SAR	2   3   4   5   6   8   9   2+3+6	2   3   4   5   6   8   9   2+3+6   4+5+6

## Vendor 1

	_										
					Reported SAR				Scenario 1	Scenario 2	Scenario 3
		2	3	4	5	6	8	9	2+3+6	4+5+6	6+8+9
Exposure F	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
		1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
		(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)			
Back Surface	0	0.106	0.070	0.133	0.087	0.088	0.082	0.010	0.264	0.308	0.180
Top Edge	0	0.282	0.550	0.426	0.320	0.290	0.431	0.103	1.122	1.036	0.824
Right Edge	0	0.005	0.015	0.001	0.019	0.001	0.013	0.017	0.021	0.021	0.031
Left Edge	0	0.013	0.001	0.001	0.001	0.009	0.016	0.009	0.023	0.011	0.034

#### 9.4 Conclusion

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

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# **10 INSTRUMENTS LIST**

Equipment List							
Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration		
SPEAG	Data acquisition Electronics	DAE4	1751	Mar/13/2024	Mar/12/2025		
SPEAG	Dosimetric E-Field Probe	EX3DV4	7823	Jul/31/2024	Jul/30/2025		
SPEAG	System Validation Dipole	D2450V2	727	Apr/22/2024	Apr/21/2025		
SPEAG	System Validation Dipole	D5GHzV2	1023	Jan/24/2024	Jan/23/2025		
SPEAG	System Validation Dipole	D6.5GHzV2	1006	Aug/15/2024	Aug/14/2025		
SPEAG	System Validation Dipole	D7GHzV2	1007	Aug/15/2024	Aug/14/2025		
SPEAG	5G Verification Source 10GHz	5G-Veri10	1070	Aug/16/2024	Aug/15/2025		
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/21/2024	Feb/20/2025		
R&S	MXG Analog Signal Generator	SMB100A03	182012	May/21/2024	May/20/2025		
Agilent	Dual-directional coupler	772D	MY52180142	Oct/30/2024	Oct/29/2025		
Agilent	Dual-directional coupler	778D	MY52180302	Nov/06/2024	Nov/05/2025		
EMCI	Amplifier	ZHL-42	980189	Calibration not required	Calibration not required		
EMCI	Amplifier	ZVE-8G	980190	Calibration not required	Calibration not required		
R&S	Power Sensor	NRP18S	101973	Feb/27/2024	Feb/26/2025		
R&S	Power Sensor	NRP18S	101974	Nov/11/2024	Nov/10/2025		
R&S	Power Meter	NRX	105651	Nov/11/2024	Nov/10/2025		
SPEAG	Software	DASY 6 V16.0.2.136	N/A	Calibration not required	Calibration no required		
SPEAG	Software	DASY 52 V52.10.4.152 7	N/A	Calibration not required	Calibration not		
SPEAG	Software	DASY 6 mmWave V2.4.2.62	N/A	Calibration not required	Calibration no		
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration no required		
SPEAG	Phantom	mmWave Phantom	N/A	Calibration not required	Calibration no		
LKM	Digital thermometer	DTM3000	EC14010603	Nov/11/2024	Nov/10/2025		
TECPEL	Digital thermometer	DTM-303A	TP130077	Oct/14/2024	Oct/13/2025		

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# 11 UNCERTAINTY BUDGET

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

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%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	00
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	00
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	00
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	00
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	œ
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	0.66%	N	1	1	0.64	0.43	0.42%	0.28%	М
Liquid Conductivity (mea.)	1.39%	N	1	1	0.6	0.49	0.83%	0.68%	М
Combined standard uncertainty		RSS					11.75%	11.73%	
Expant uncertainty (95% confidence interval), K=2							23.51%	23.46%	

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

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	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	~
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	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%	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%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	~
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	0.50%	N	1	1	0.64	0.43	0.32%	0.22%	М
Liquid Conductivity (mea.)	1.75%	N	1	1	0.6	0.49	1.05%	0.86%	М
Combined standard uncertainty		RSS					11.47%	11.44%	
Expant uncertainty (95% confidence interval), K=2							22.94%	22.88%	

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

	(Frequency band: OOH2 From the first trange)							
a	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

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

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

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### 12 SAR MEASUREMENT RESULTS

Date: 2024/12/15

ID: 001

Report No.: TESA2411000781ES

WLAN 802.11b\_Body\_Top Edge\_CH 1\_0mm\_Tx1

Communication System: WLAN; Frequency: 2412 MHz; Duty cycle= 1:1.073

Medium parameters used: f = 2412 MHz;  $\sigma = 1.74 \text{ S/m}$ ;  $\epsilon r = 39.181$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

### DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(7.29, 6.66, 6.76) @ 2412 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

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) = 0.529 W/kg

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

Reference Value = 11.24 V/m; Power Drift = 0.13 dB

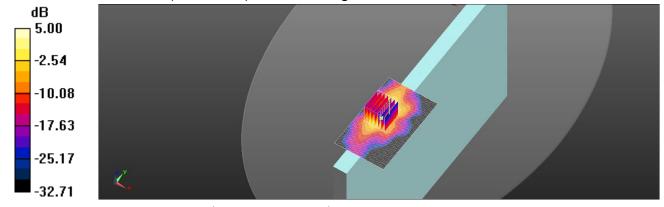
Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.175 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 39.5%

Maximum value of SAR (measured) = 0.602 W/kg



0 dB = 0.602 W/kg = -2.20 dBW/kg

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Date: 2024/12/15

ID: 002

**Report No. :TESA2411000781ES** 

Bluetooth(GFSK) Body Top Edge CH 78 0mm Tx1

Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.297 Medium parameters used: f = 2480 MHz;  $\sigma = 1.8 \text{ S/m}$ ;  $\epsilon r = 38.966$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(7.29, 6.66, 6.76) @ 2480 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- 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) = 0.332 W/kg

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

Reference Value = 6.054 V/m; Power Drift = -0.17 dB

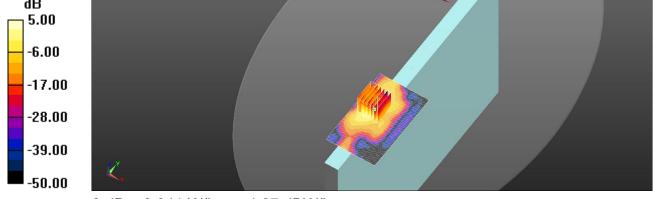
Peak SAR (extrapolated) = 0.614 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.098 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 38.4%

Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg = -4.67 dBW/kg

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Date: 2024/12/16

ID: 003

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.2G Body Top Edge CH 42 0mm Tx1

Communication System: WLAN; Frequency: 5210 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5210 MHz;  $\sigma = 4.714 \text{ S/m}$ ;  $\epsilon r = 35.88$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 22.5°C

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.57, 5.08, 5.16) @ 5210 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.592 W/kg

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

Reference Value = 6.295 V/m; Power Drift = 0.12 dB

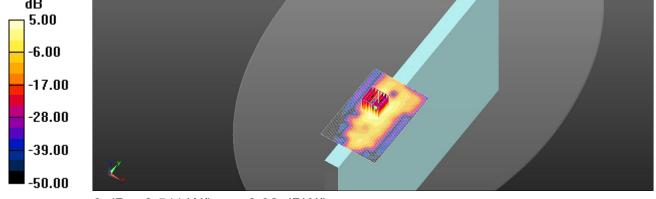
Peak SAR (extrapolated) = 0.971 W/kg

# SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.101 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 62%

Maximum value of SAR (measured) = 0.511 W/kg



0 dB = 0.511 W/kg = -2.92 dBW/kg

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Date: 2024/12/16

ID: 004

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.3G Body Top Edge CH 58 0mm Tx1

Communication System: WLAN; Frequency: 5290 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5290 MHz;  $\sigma = 4.791 \text{ S/m}$ ;  $\epsilon r = 35.712$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 22.5°C

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5290 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.346 W/kg

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

Reference Value = 9.251 V/m; Power Drift = 0.19 dB

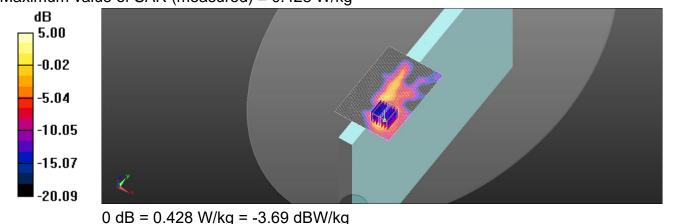
Peak SAR (extrapolated) = 0.690 W/kg

SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.063 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 0.428 W/kg



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Date: 2024/12/17

ID: 005

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.6G Body Top Edge CH 106 0mm Tx1

Communication System: WLAN; Frequency: 5530 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5530 MHz;  $\sigma = 5.05 \text{ S/m}$ ;  $\epsilon r = 35.47$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.05, 4.61, 4.69) @ 5530 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.546 W/kg

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

Reference Value = 10.03 V/m; Power Drift = 0.16 dB

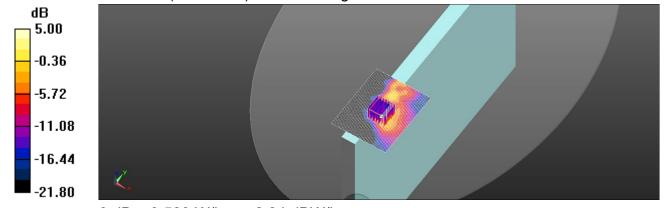
Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.066 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59%

Maximum value of SAR (measured) = 0.520 W/kg



0 dB = 0.520 W/kg = -2.84 dBW/kg

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Date: 2024/12/17

ID: 006

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.8G Body Top Edge CH 155 0mm Tx1

Communication System: WLAN; Frequency: 5775 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5775 MHz;  $\sigma = 5.301 \text{ S/m}$ ;  $\epsilon r = 35.204$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.19, 4.74, 4.81) @ 5775 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.594 W/kg

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

Reference Value = 4.419 V/m; Power Drift = 0.11 dB

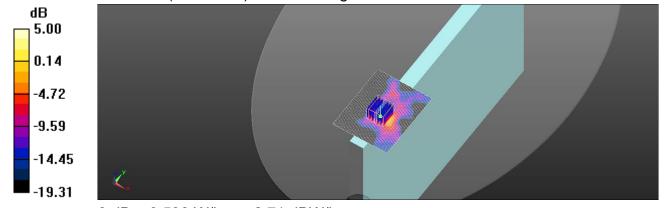
Peak SAR (extrapolated) = 0.955 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.058 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 43.9%

Maximum value of SAR (measured) = 0.536 W/kg



0 dB = 0.536 W/kg = -2.71 dBW/kg

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Date: 2024/12/18

ID: 007

Report No. :TESA2411000781ES

WLAN 802.11ac(80M) 5.9G\_Body\_Top Edge\_CH 171\_0mm\_Tx1

Communication System: WLAN; Frequency: 5855 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5855 MHz;  $\sigma = 5.402$  S/m;  $\epsilon r = 35.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(4.99, 4.55, 4.62) @ 5855 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.910 W/kg

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

Reference Value = 5.233 V/m; Power Drift = -0.11 dB

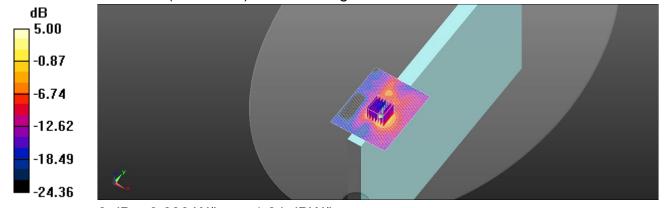
Peak SAR (extrapolated) = 1.69 W/kg

# SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.088 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.6%

Maximum value of SAR (measured) = 0.686 W/kg



0 dB = 0.686 W/kg = -1.64 dBW/kg

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Date: 2024/12/15

ID: 008

**Report No. :TESA2411000781ES** 

WLAN 802.11b Body Top Edge CH 11 0mm Tx2

Communication System: WLAN; Frequency: 2462 MHz; Duty cycle= 1:1.073

Medium parameters used: f = 2462 MHz;  $\sigma = 1.794 \text{ S/m}$ ;  $\epsilon r = 39.016$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(7.29, 6.66, 6.76) @ 2462 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

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) = 0.492 W/kg

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

Reference Value = 10.68 V/m; Power Drift = -0.09 dB

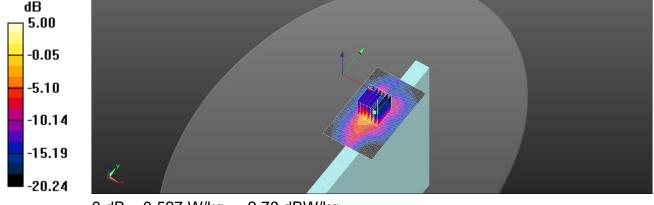
Peak SAR (extrapolated) = 0.872 W/kg

# SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.131 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 37.1%

Maximum value of SAR (measured) = 0.527 W/kg



0 dB = 0.527 W/kg = -2.78 dBW/kg

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Date: 2024/12/16

ID: 009

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.2G Body Top Edge CH 42 0mm Tx2

Communication System: WLAN; Frequency: 5210 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5210 MHz;  $\sigma = 4.714 \text{ S/m}$ ;  $\epsilon r = 35.88$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 22.5°C

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.57, 5.08, 5.16) @ 5210 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.661 W/kg

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

Reference Value = 8.089 V/m; Power Drift = -0.03 dB

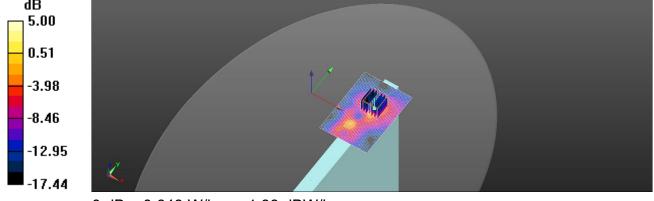
Peak SAR (extrapolated) = 1.17 W/kg

# SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.105 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 61.3%

Maximum value of SAR (measured) = 0.648 W/kg



0 dB = 0.648 W/kg = -1.88 dBW/kg

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Date: 2024/12/16

ID: 010

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.3G Body Top Edge CH 58 0mm Tx2

Communication System: WLAN; Frequency: 5290 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5290 MHz;  $\sigma = 4.791 \text{ S/m}$ ;  $\epsilon r = 35.712$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 22.5°C

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5290 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.638 W/kg

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

Reference Value = 8.434 V/m; Power Drift = -0.08 dB

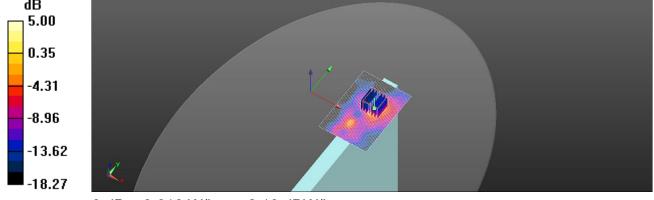
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.091 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%

Maximum value of SAR (measured) = 0.616 W/kg



0 dB = 0.616 W/kg = -2.10 dBW/kg

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Date: 2024/12/17

ID: 011

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.6G Body Top Edge CH 138 0mm Tx2

Communication System: WLAN; Frequency: 5690 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5690 MHz;  $\sigma = 5.218 \text{ S/m}$ ;  $\epsilon r = 35.322$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.19, 4.74, 4.81) @ 5690 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.643 W/kg

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

Reference Value = 7.582 V/m; Power Drift = 0.03 dB

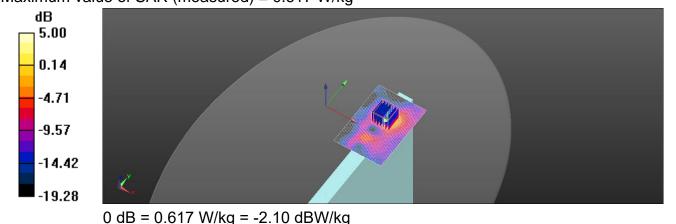
Peak SAR (extrapolated) = 1.00 W/kg

# SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.078 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 49.1%

Maximum value of SAR (measured) = 0.617 W/kg



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Date: 2024/12/17

ID: 012

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.8G Body Top Edge CH 155 0mm Tx2

Communication System: WLAN; Frequency: 5775 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5775 MHz;  $\sigma = 5.301 \text{ S/m}$ ;  $\epsilon r = 35.204$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.19, 4.74, 4.81) @ 5775 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.559 W/kg

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

Reference Value = 6.564 V/m; Power Drift = 0.09 dB

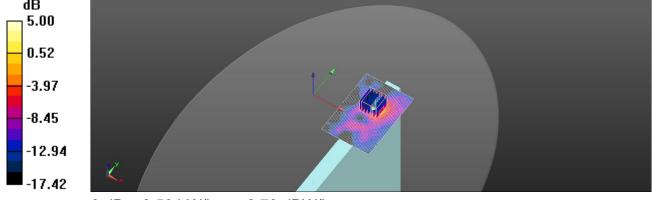
Peak SAR (extrapolated) = 1.01 W/kg

# SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.078 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 0.534 W/kg



0 dB = 0.534 W/kg = -2.73 dBW/kg

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Date: 2024/12/18

ID: 013

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.9G Body Top Edge CH 171 0mm Tx2

Communication System: WLAN; Frequency: 5855 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5855 MHz;  $\sigma = 5.402$  S/m;  $\epsilon r = 35.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(4.99, 4.55, 4.62) @ 5855 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.644 W/kg

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

Reference Value = 7.348 V/m; Power Drift = 0.16 dB

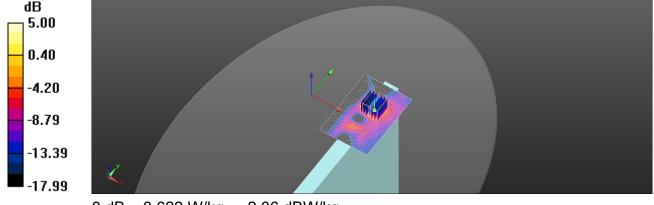
Peak SAR (extrapolated) = 1.20 W/kg

# SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.087 W/kg

Smallest distance from peaks to all points 3 dB below = 5 mm

Ratio of SAR at M2 to SAR at M1 = 49.9%

Maximum value of SAR (measured) = 0.622 W/kg



0 dB = 0.622 W/kg = -2.06 dBW/kg

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ID: 014

Report No. :TESA2411000781ES

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 15\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6025.0, 15	5.34	5.571	34.986

**Hardware Setup** 

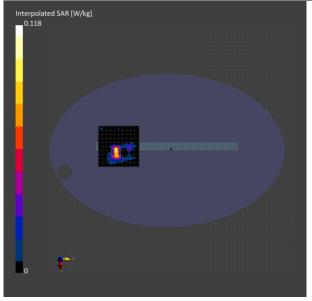
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.075	0.099
psSAR8g [W/kg]	0.027	0.029
psSAR10g [W/kg]	0.024	0.026
psPDab (4.0cm2, sq) [W/m2]		0.582
Power Drift [dB]	0.09	-0.06
M2/M1 [%]		63.8
Dist 3dB Peak [mm]		3.2



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ID: 015

Report No. :TESA2411000781ES

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 47\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6185.0, 47	5.34	5.735	34.808

**Hardware Setup** 

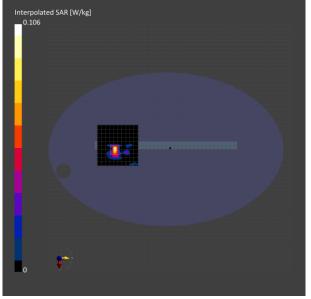
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.067	0.069
psSAR8g [W/kg]	0.023	0.021
psSAR10g [W/kg]	0.020	0.019
psPDab (4.0cm2, sq) [W/m2]		0.427
Power Drift [dB]	0.15	0.11
M2/M1 [%]		63.2
Dist 3dB Peak [mm]		3.1



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ID: 016

Report No. :TESA2411000781ES

Measurement Report\_U-NII-6 6.5GHz 802.11ax(160M)\_Body\_Top Edge\_CH 111\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6505.0, 111	5.34	6.086	34.316

**Hardware Setup** 

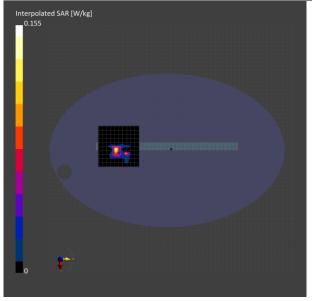
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

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

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.098	0.093
psSAR8g [W/kg]	0.032	0.029
psSAR10g [W/kg]	0.028	0.025
psPDab (4.0cm2, sq) [W/m2]		0.573
Power Drift [dB]	0.11	0.09
M2/M1 [%]		55.0
Dist 3dB Peak [mm]		3.7



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ID: 017

Report No. :TESA2411000781ES

Measurement Report\_U-NII-7 6.7GHz 802.11ax(160M)\_Body\_Top Edge\_CH 175\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6825.0, 175	5.34	6.435	33.884

**Hardware Setup** 

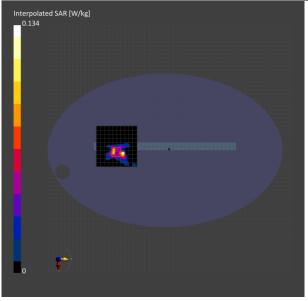
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.2 x 3.2 x 1.2
Sensor Surface [mm]	3.0	1.4

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.086	0.083
psSAR8g [W/kg]	0.028	0.024
psSAR10g [W/kg]	0.025	0.020
psPDab (4.0cm2, sq) [W/m2]		0.475
Power Drift [dB]	0.03	0.08
M2/M1 [%]		58.1
Dist 3dB Peak [mm]		5.2



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ID: 018

Report No. :TESA2411000781ES

Measurement Report\_U-NII-8 7.0GHz 802.11ax(160M)\_Body\_Top Edge\_CH 207\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6985.0, 207	5.47	6.617	33.823

**Hardware Setup** 

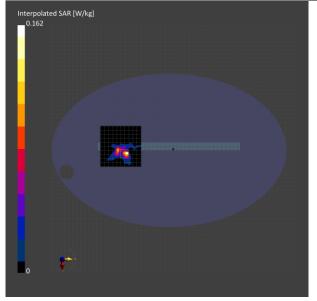
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.110	0.120
psSAR8g [W/kg]	0.034	0.036
psSAR10g [W/kg]	0.029	0.030
psPDab (4.0cm2, sq) [W/m2]		0.711
Power Drift [dB]	0.07	-0.03
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		4.1



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ID: 019

Report No. :TESA2411000781ES

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 15\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6025.0, 15	5.34	5.571	34.986

#### **Hardware Setup**

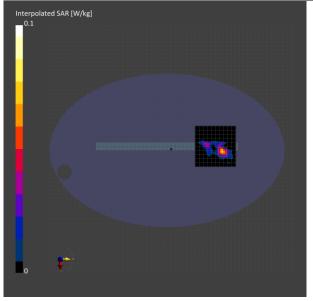
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

#### **Scans Setup**

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

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.053	0.057
psSAR8g [W/kg]	0.019	0.020
psSAR10g [W/kg]	0.017	0.017
psPDab (4.0cm2, sq) [W/m2]		0.391
Power Drift [dB]	0.19	0.09
M2/M1 [%]		62.0
Dist 3dB Peak [mm]		4.8



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ID: 020

Report No. :TESA2411000781ES

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 79\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6345.0, 79	5.34	5.915	34.608

#### **Hardware Setup**

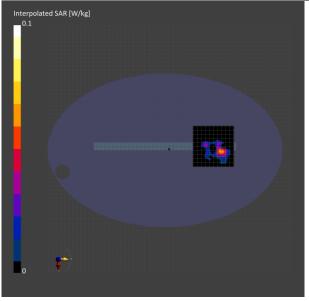
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

#### **Scans Setup**

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

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.051	0.070
psSAR8g [W/kg]	0.020	0.026
psSAR10g [W/kg]	0.017	0.023
psPDab (4.0cm2, sq) [W/m2]		0.518
Power Drift [dB]	0.05	0.13
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		5.0



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ID: 021

Report No. :TESA2411000781ES

Measurement Report\_U-NII-6 6.5GHz 802.11ax(160M)\_Body\_Top Edge\_CH 111\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6505.0, 111	5.34	6.086	34.316

**Hardware Setup** 

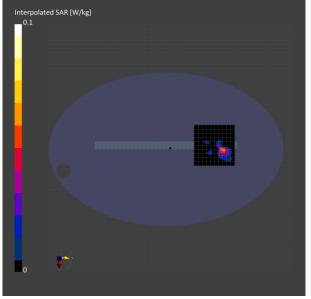
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

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

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.048	0.060
psSAR8g [W/kg]	0.017	0.021
psSAR10g [W/kg]	0.015	0.019
psPDab (4.0cm2, sq) [W/m2]		0.423
Power Drift [dB]	0.05	0.13
M2/M1 [%]		55.0
Dist 3dB Peak [mm]		4.0



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ID: 022

Report No. :TESA2411000781ES

Measurement Report\_U-NII-7 6.7GHz 802.11ax(160M)\_Body\_Top Edge\_CH 143\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6665.0, 143	5.34	6.262	34.149

**Hardware Setup** 

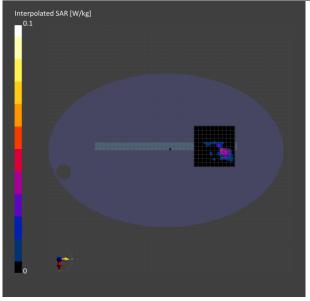
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.033	0.045
psSAR8g [W/kg]	0.013	0.016
psSAR10g [W/kg]	0.012	0.015
psPDab (4.0cm2, sq) [W/m2]		0.323
Power Drift [dB]	0.09	0.07
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		3.4



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ID: 023

Report No. :TESA2411000781ES

Measurement Report\_U-NII-8 7.0GHz 802.11ax(160M)\_Body\_Top Edge\_CH 207\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6985.0, 207	5.47	6.617	33.823

**Hardware Setup** 

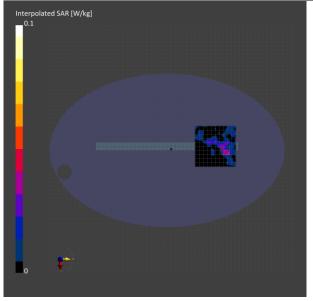
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

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

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.032	0.030
psSAR8g [W/kg]	0.013	0.010
psSAR10g [W/kg]	0.012	0.009
psPDab (4.0cm2, sq) [W/m2]		0.206
Power Drift [dB]	-0.05	0.11
M2/M1 [%]		71.2
Dist 3dB Peak [mm]		5.8



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Date: 2024/12/15

ID: 057

**Report No. :TESA2411000781ES** 

WLAN 802.11b Body Top Edge CH 1 0mm Tx1

Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty cycle= 1:1.073 Medium parameters used: f = 2412 MHz;  $\sigma = 1.74 \text{ S/m}$ ;  $\epsilon r = 39.181$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(7.29, 6.66, 6.76) @ 2412 MHz; Calibrated: 2024/07/31

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

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) = 0.379 W/kg

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

Reference Value = 7.264 V/m; Power Drift = -0.14 dB

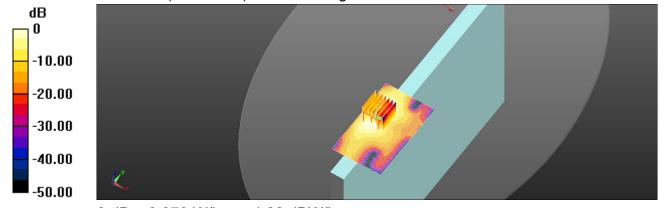
Peak SAR (extrapolated) = 0.658 W/kg

# SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.116 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 55%

Maximum value of SAR (measured) = 0.378 W/kg



0 dB = 0.378 W/kg = -4.22 dBW/kg

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Date: 2024/12/15

ID: 058

Report No. :TESA2411000781ES

Bluetooth(GFSK)\_Body\_Top Edge\_CH 78\_0mm\_Tx1

Communication System: Bluetooth; Frequency: 2480 MHz; Duty cycle= 1:1.297 Medium parameters used: f = 2480 MHz;  $\sigma = 1.8$  S/m;  $\epsilon r = 38.966$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(7.29, 6.66, 6.76) @ 2480 MHz; Calibrated: 2024/07/31

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

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) = 0.321 W/kg

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

Reference Value = 6.054 V/m; Power Drift = -0.17 dB

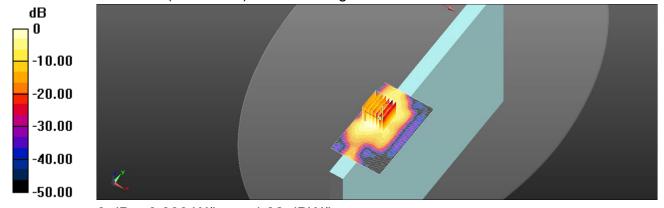
Peak SAR (extrapolated) = 0.593 W/kg

# SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.094 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 37.9%

Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.82 dBW/kg

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Date: 2024/12/16

ID: 059

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.2G Body Top Edge CH 42 0mm Tx1

Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5210 MHz;  $\sigma = 4.714 \text{ S/m}$ ;  $\epsilon r = 35.88$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 22.5°C

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5210 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.603 W/kg

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

Reference Value = 6.835 V/m; Power Drift = -0.04 dB

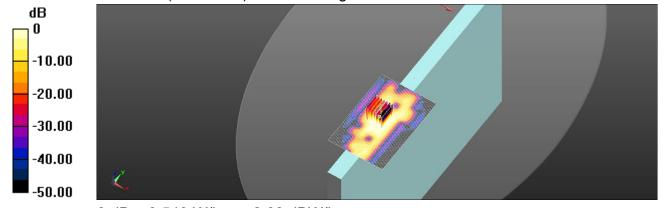
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.104 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 62%

Maximum value of SAR (measured) = 0.540 W/kg



0 dB = 0.540 W/kg = -2.68 dBW/kg

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Date: 2024/12/16

ID: 060

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.3G Body Top Edge CH 58 0mm Tx1

Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5290 MHz;  $\sigma = 4.791 \text{ S/m}$ ;  $\epsilon r = 35.712$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 22.5°C

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5290 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.729 W/kg

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

Reference Value = 7.898 V/m; Power Drift = -0.07 dB

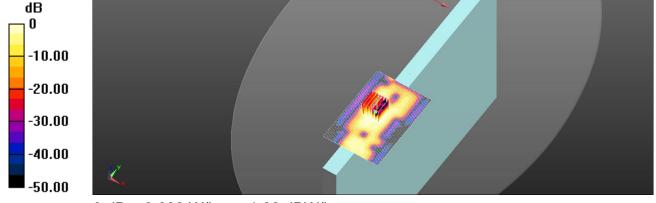
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.103 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 58.9%

Maximum value of SAR (measured) = 0.682 W/kg



0 dB = 0.682 W/kg = -1.66 dBW/kg

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Date: 2024/12/17

ID: 061

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.6G Body Top Edge CH 106 0mm Tx1

Communication System: WLAN 5G; Frequency: 5530 MHz; Duty cycle= 1:1.031 Medium parameters used: f = 5530 MHz;  $\sigma = 5.05 \text{ S/m}$ ;  $\epsilon r = 35.47$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.05, 4.61, 4.69) @ 5530 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.985 W/kg

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

Reference Value = 6.594 V/m; Power Drift = 0.12 dB

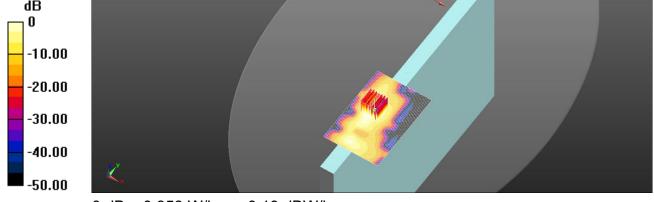
Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.129 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.1%

Maximum value of SAR (measured) = 0.958 W/kg



0 dB = 0.958 W/kg = -0.19 dBW/kg

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Date: 2024/12/17

ID: 062

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.8G Body Top Edge CH 155 0mm Tx1

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5775 MHz;  $\sigma = 5.301 \text{ S/m}$ ;  $\epsilon r = 35.204$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.19, 4.74, 4.81) @ 5775 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x131x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.802 W/kg

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

Reference Value = 6.170 V/m; Power Drift = -0.18 dB

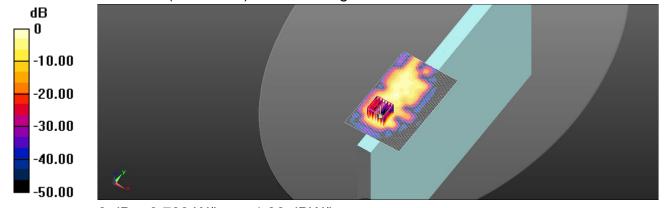
Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.067 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 44.7%

Maximum value of SAR (measured) = 0.783 W/kg



0 dB = 0.783 W/kg = -1.06 dBW/kg

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Date: 2024/12/18

ID: 063

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.9G Body Top Edge CH 171 0mm Tx1

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5855 MHz;  $\sigma = 5.402$  S/m;  $\epsilon r = 35.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(4.99, 4.55, 4.62) @ 5855 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

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

Reference Value = 9.486 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.104 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.3%

Maximum value of SAR (measured) = 0.917 W/kg

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

Reference Value = 9.486 V/m; Power Drift = -0.15 dB

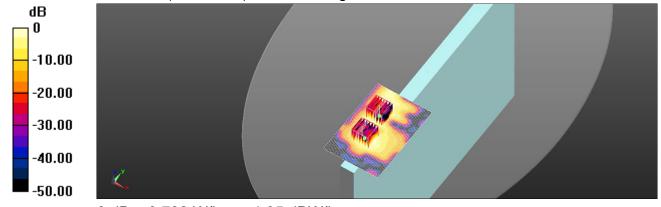
Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.075 W/kg

Smallest distance from peaks to all points 3 dB below = 3.2 mm

Ratio of SAR at M2 to SAR at M1 = 49.9%

Maximum value of SAR (measured) = 0.732 W/kg



0 dB = 0.732 W/kg = -1.35 dBW/kg

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Date: 2024/12/15

ID: 064

**Report No. :TESA2411000781ES** 

WLAN 802.11b Body Top Edge CH 11 0mm Tx2

Communication System: WLAN 2.45G; Frequency: 2462 MHz; Duty cycle= 1:1.073 Medium parameters used: f = 2462 MHz;  $\sigma = 1.794 \text{ S/m}$ ;  $\epsilon r = 39.016$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(7.29, 6.66, 6.76) @ 2462 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

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) = 1.07 W/kg

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

Reference Value = 19.01 V/m; Power Drift = -0.05 dB

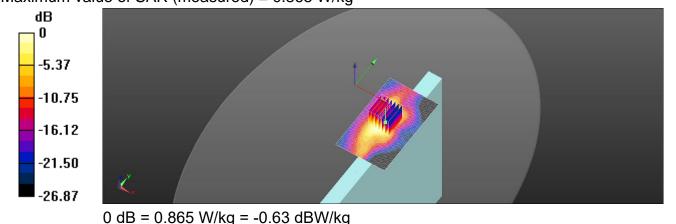
Peak SAR (extrapolated) = 1.38 W/kg

# SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.227 W/kg

Smallest distance from peaks to all points 3 dB below = 5 mm

Ratio of SAR at M2 to SAR at M1 = 46.7%

Maximum value of SAR (measured) = 0.865 W/kg



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Date: 2024/12/16

ID: 065

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.2G Body Top Edge CH 42 0mm Tx2

Communication System: WLAN 5G; Frequency: 5210 MHz; Duty cycle= 1:1.031 Medium parameters used: f = 5210 MHz;  $\sigma = 4.714 \text{ S/m}$ ;  $\epsilon r = 35.88$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 22.5°C

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5210 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.718 W/kg

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

Reference Value = 8.089 V/m; Power Drift = -0.03 dB

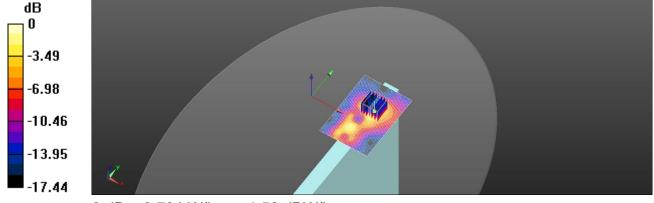
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.114 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 61.3%

Maximum value of SAR (measured) = 0.704 W/kg



0 dB = 0.704 W/kg = -1.52 dBW/kg

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Date: 2024/12/16

ID: 066

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.3G Body Top Edge CH 58 0mm Tx2

Communication System: WLAN 5G; Frequency: 5290 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5290 MHz;  $\sigma = 4.791 \text{ S/m}$ ;  $\epsilon r = 35.712$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 22.5°C

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5290 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.638 W/kg

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

Reference Value = 8.434 V/m; Power Drift = -0.08 dB

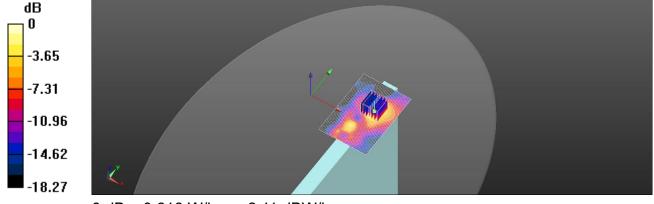
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.091 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%

Maximum value of SAR (measured) = 0.616 W/kg



0 dB = 0.616 W/kg = -2.11 dBW/kg

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Date: 2024/12/17

ID: 067

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.6G Body Top Edge CH 138 0mm Tx2

Communication System: WLAN 5G; Frequency: 5690 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5690 MHz;  $\sigma = 5.218 \text{ S/m}$ ;  $\epsilon r = 35.322$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.19, 4.74, 4.81) @ 5690 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.712 W/kg

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

Reference Value = 7.582 V/m; Power Drift = 0.03 dB

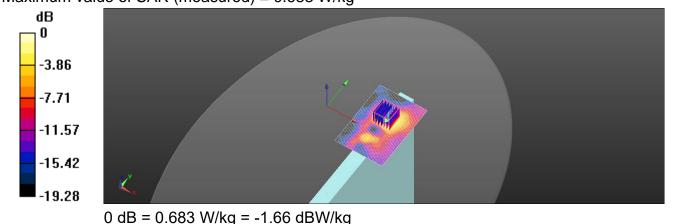
Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.087 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 49.1%

Maximum value of SAR (measured) = 0.683 W/kg



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Date: 2024/12/17

ID: 068

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.8G Body Top Edge CH 155 0mm Tx2

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5775 MHz;  $\sigma = 5.301 \text{ S/m}$ ;  $\epsilon r = 35.204$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.19, 4.74, 4.81) @ 5775 MHz; Calibrated: 2024/07/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/03/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.616 W/kg

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

Reference Value = 6.564 V/m; Power Drift = 0.19 dB

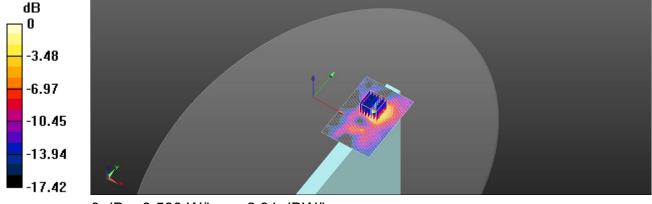
Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.086 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 0.588 W/kg



0 dB = 0.588 W/kg = -2.31 dBW/kg

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Date: 2024/12/18

ID: 069

**Report No. :TESA2411000781ES** 

WLAN 802.11ac(80M) 5.9G Body Top Edge CH 171 0mm Tx2

Communication System: WLAN 5G; Frequency: 5855 MHz; Duty cycle= 1:1.031

Medium parameters used: f = 5855 MHz;  $\sigma = 5.402$  S/m;  $\epsilon r = 35.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(4.99, 4.55, 4.62) @ 5855 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x101x1): Interpolated grid: dx=10 mm, dy=10 mm

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

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

Reference Value = 7.348 V/m; Power Drift = 0.16 dB

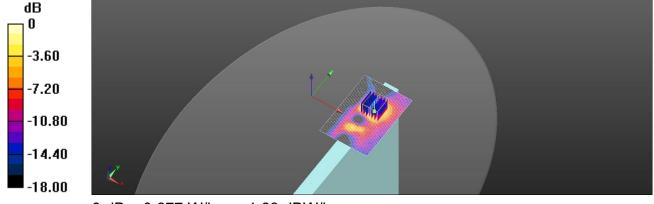
Peak SAR (extrapolated) = 1.30 W/kg

# SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.094 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 49.9%

Maximum value of SAR (measured) = 0.677 W/kg



0 dB = 0.677 W/kg = -1.69 dBW/kg

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ID: 070

Report No. :TESA2411000781ES

Measurement Report U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 15\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6025.0, 15	5.34	5.571	34.986

**Hardware Setup** 

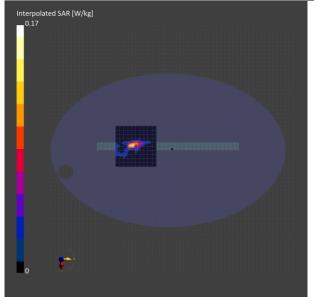
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

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

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.111	0.119
psSAR8g [W/kg]	0.036	0.039
psSAR10g [W/kg]	0.031	0.033
psPDab (4.0cm2, sq) [W/m2]		0.771
Power Drift [dB]	-0.04	-0.11
M2/M1 [%]		55.7
Dist 3dB Peak [mm]		6.4



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ID: 071

**Report No. :TESA2411000781ES** 

Measurement Report U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 47\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6185.0, 47	5.34	5.735	34.808

## **Hardware Setup**

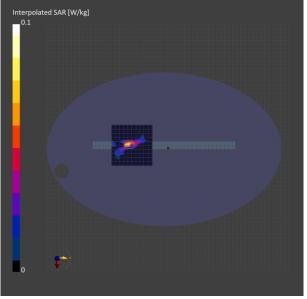
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

### Scans Setup

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

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.061	0.065
psSAR8g [W/kg]	0.020	0.021
psSAR10g [W/kg]	0.017	0.018
psPDab (4.0cm2, sq) [W/m2]		0.419
Power Drift [dB]	-0.09	-0.04
M2/M1 [%]		58.9
Dist 3dB Peak [mm]		7.2



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ID: 072

Report No. :TESA2411000781ES

Measurement Report U-NII-6 6.5GHz 802.11ax(160M)\_Body\_Top Edge\_CH 111\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6505.0, 111	5.34	6.086	34.316

**Hardware Setup** 

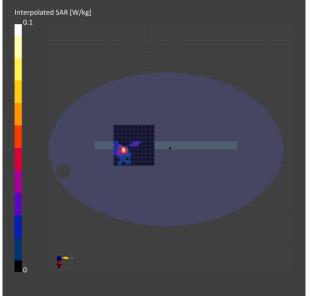
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

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

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.065	0.085
psSAR8g [W/kg]	0.021	0.027
psSAR10g [W/kg]	0.018	0.023
psPDab (4.0cm2, sq) [W/m2]		0.530
Power Drift [dB]	-0.16	-0.12
M2/M1 [%]		53.5
Dist 3dB Peak [mm]		6.1



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ID: 073

Report No. :TESA2411000781ES

Measurement Report U-NII-7 6.7GHz 802.11ax(160M)\_Body\_Top Edge\_CH 175\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6825.0, 175	5.34	6.435	33.884

**Hardware Setup** 

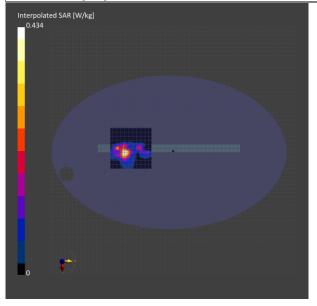
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

#### **Measurement Results**

moudar official recounts		
	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.351	0.411
psSAR8g [W/kg]	0.134	0.142
psSAR10g [W/kg]	0.119	0.124
psPDab (4.0cm2, sq) [W/m2]		2.85
Power Drift [dB]	-0.09	-0.03
M2/M1 [%]		50.5
Dist 3dB Peak [mm]		7.0



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ID: 074

Report No. :TESA2411000781ES

Measurement Report U-NII-8 7.0GHz 802.11ax(160M)\_Body\_Top Edge\_CH 207\_0mm\_Tx1

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6985.0, 207	5.47	6.617	33.823

## **Hardware Setup**

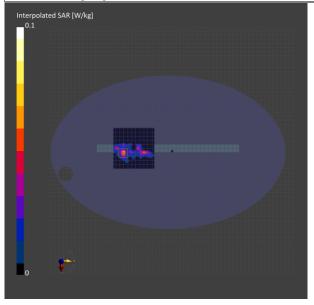
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

## **Scans Setup**

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

#### Measurement Results

weasarement results				
	Area Scan	Zoom Scan		
Date	2024-12-18	2024-12-18		
psSAR1g [W/kg]	0.051	0.069		
psSAR8g [W/kg]	0.016	0.022		
psSAR10g [W/kg]	0.014	0.020		
psPDab (4.0cm2, sq) [W/m2]		0.448		
Power Drift [dB]	-0.14	-0.11		
M2/M1 [%]		54.0		
Dist 3dB Peak [mm]		6.1		



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ID: 075

Report No. :TESA2411000781ES

Measurement Report U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 15\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6025.0, 15	5.34	5.571	34.986

**Hardware Setup** 

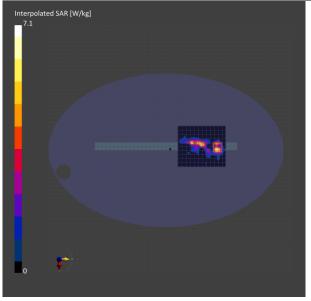
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

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

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.064	0.073
psSAR8g [W/kg]	0.022	0.022
psSAR10g [W/kg]	0.019	0.019
psPDab (4.0cm2, sq) [W/m2]		0.436
Power Drift [dB]	-0.09	-0.07
M2/M1 [%]		54.3
Dist 3dB Peak [mm]		7.1



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ID: 076

Report No. :TESA2411000781ES

Measurement Report U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 79\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6345.0, 79	5.34	5.915	34.608

**Hardware Setup** 

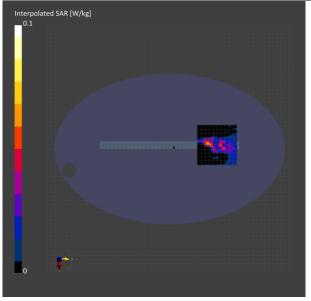
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

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

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.048	0.064
psSAR8g [W/kg]	0.018	0.024
psSAR10g [W/kg]	0.015	0.022
psPDab (4.0cm2, sq) [W/m2]		0.476
Power Drift [dB]	-0.07	-0.09
M2/M1 [%]		55.0
Dist 3dB Peak [mm]		6.8



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ID: 077

Report No. :TESA2411000781ES

Measurement Report U-NII-6 6.5GHz 802.11ax(160M)\_Body\_Top Edge\_CH 111\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6505.0, 111	5.34	6.086	34.316

**Hardware Setup** 

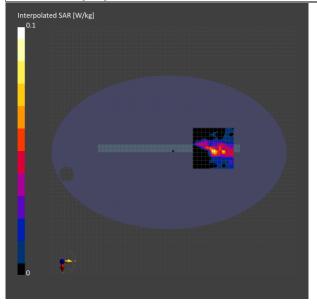
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

#### Measurement Results

Heasarchieft Results				
	Area Scan	Zoom Scan		
Date	2024-12-18	2024-12-18		
psSAR1g [W/kg]	0.063	0.086		
psSAR8g [W/kg]	0.024	0.031		
psSAR10g [W/kg]	0.022	0.027		
psPDab (4.0cm2, sq) [W/m2]		0.613		
Power Drift [dB]	-0.08	-0.16		
M2/M1 [%]		53.2		
Dist 3dB Peak [mm]		6.7		



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ID: 078

Report No. :TESA2411000781ES

Measurement Report U-NII-7 6.7GHz 802.11ax(160M)\_Body\_Top Edge\_CH 143\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6665.0, 143	5.34	6.262	34.149

**Hardware Setup** 

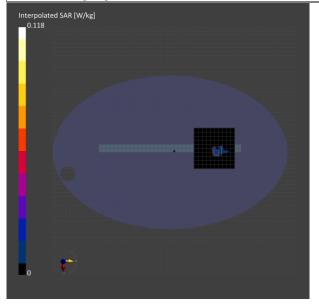
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

#### Measurement Results

Heasarchieft Results				
	Area Scan	Zoom Scan		
Date	2024-12-18	2024-12-18		
psSAR1g [W/kg]	0.084	0.098		
psSAR8g [W/kg]	0.030	0.036		
psSAR10g [W/kg]	0.027	0.032		
psPDab (4.0cm2, sq) [W/m2]		0.724		
Power Drift [dB]	-0.07	-0.16		
M2/M1 [%]		48.6		
Dist 3dB Peak [mm]		5.8		



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ID: 079

Report No. :TESA2411000781ES

Measurement Report U-NII-8 7.0GHz 802.11ax(160M)\_Body\_Top Edge\_CH 207\_0mm\_Tx2

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	Top Edge, 0.00	6985.0, 207	5.47	6.617	33.823

**Hardware Setup** 

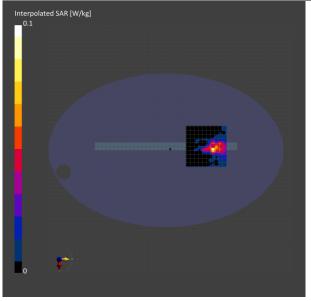
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

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

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	0.066	0.070
psSAR8g [W/kg]	0.025	0.025
psSAR10g [W/kg]	0.023	0.022
psPDab (4.0cm2, sq) [W/m2]		0.502
Power Drift [dB]	-0.03	-0.07
M2/M1 [%]		48.4
Dist 3dB Peak [mm]		7.0



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# 13 PD MEASUREMENT RESULTS

**Report No. :TESA2411000781ES** Measurement Report U-NII-5,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 15 (6025.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

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па	ırawa	are.	26	TUI	n

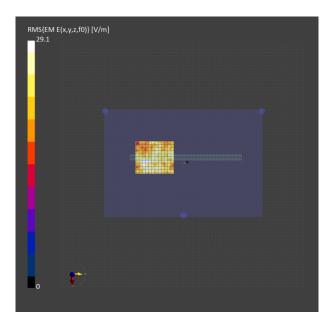
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399 F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

## **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### Measurement Results

5G Scan
2024-12-19
4.00
1.61
1.64
1.73
29.1
-0.03



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ID: 025

Report No. :TESA2411000781ES Measurement Report\_U-NII-5,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 47 (6185.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

**Hardware Setup** 

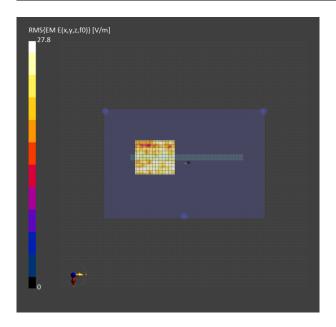
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

5G Scan
2024-12-19
4.00
1.50
1.54
1.59
27.4
0.02



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Report No. :TESA2411000781ES Measurement Report\_U-NII-6,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

**Hardware Setup** 

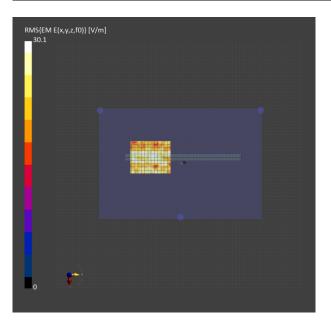
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

5G Scan
2024-12-19
4.00
1.86
1.90
1.98
30.1
0.15



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ID: 027

Report No. :TESA2411000781ES Measurement Report\_U-NII-7,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 175 (6825.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

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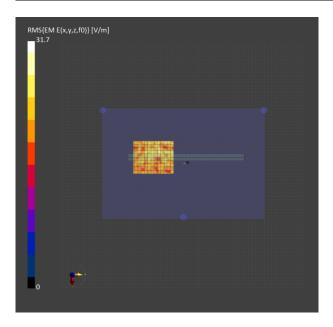
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

## **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

5G Scan
2024-12-19
4.00
1.54
1.58
1.66
28.3
-0.04



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ID: 028

Report No. :TESA2411000781ES Measurement Report\_U-NII-8,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

**Hardware Setup** 

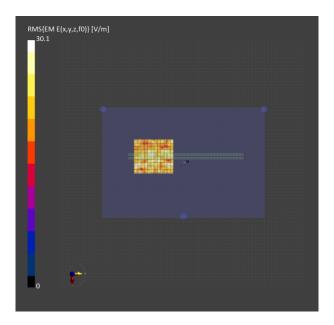
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

mode di omoni i recodito	
Scan Type	5G Scan
Date	2024-12-19
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m²]	1.56
psPDtot+ [W/m²]	1.67
psPDmod+ [W/m²]	1.79
E <sub>max</sub> [V/m]	30.1
Power Drift [dB]	0.17



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ID: 029

Report No. :TESA2411000781ES Measurement Report\_U-NII-5,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 15 (6025.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

## **Hardware Setup**

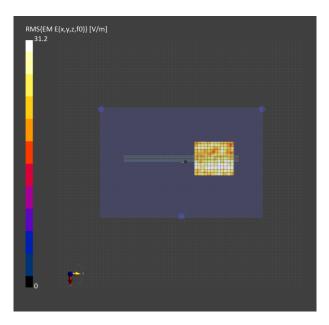
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

## **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

measurement results	
Scan Type	5G Scan
Date	2024-12-19
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m²]	1.92
psPDtot+ [W/m²]	2.02
psPDmod+ [W/m²]	2.15
E <sub>max</sub> [V/m]	31.1
Power Drift [dB]	0.05



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ID: 030

Report No. :TESA2411000781ES Measurement Report\_U-NII-5,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 79 (6345.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

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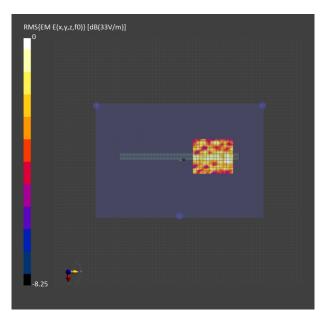
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

### **Measurement Results**

Scan Type	5G Scan
Date	2024-12-19
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m²]	1.96
psPDtot+ [W/m²]	2.07
psPDmod+ [W/m²]	2.19
E <sub>max</sub> [V/m]	33.0
Power Drift [dB]	0.14



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ID: 031

Report No. :TESA2411000781ES Measurement Report\_U-NII-6,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

**Hardware Setup** 

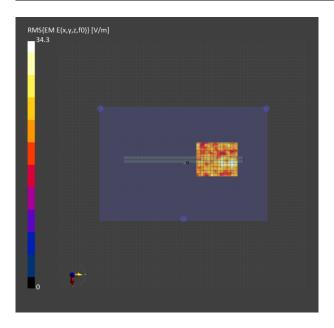
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

5G Scan	
2024-12-19	
4.00	
1.95	
2.01	
2.20	
34.3	
-0.14	



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ID: 032

Report No. :TESA2411000781ES Measurement Report\_U-NII-7,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 143 (6665.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

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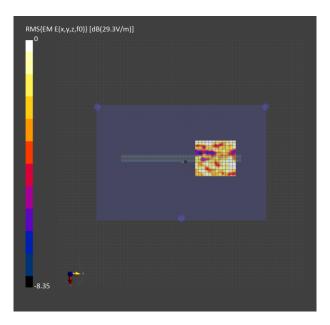
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

## **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

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Scan Type	5G Scan	
Date	2024-12-19	
Avg. Area [cm <sup>2</sup> ]	4.00	
psPDn+ [W/m²]	1.59	
psPDtot+ [W/m²]	1.61	
psPDmod+ [W/m²]	1.66	
E <sub>max</sub> [V/m]	29.3	
Power Drift [dB]	-0.09	



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ID: 033

Report No. :TESA2411000781ES Measurement Report\_U-NII-8,

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

**Hardware Setup** 

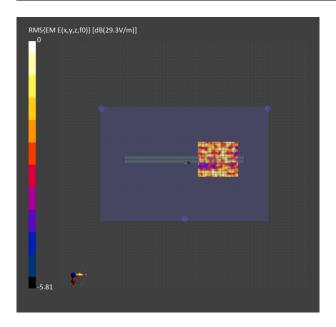
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

indudui dindin reduito		
5G Scan		
2024-12-19		
4.00		
1.61		
1.63		
1.71		
29.8		
0.02		



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ID: 080

Report No. :TESA2411000781ES

Measurement Report\_Top Edge, U-NII-5

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 15 (6025.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

Ha	rdw	are	Se	tun	
110	IUV	aıc	UC	LUU	,

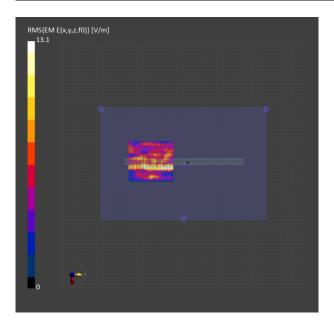
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 130.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

Scan Type	5G Scan
Date	2024-12-20
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	0.218
psPDtot+ [W/m²]	0.234
psPDmod+ [W/m²]	0.266
E <sub>max</sub> [V/m]	12.6
Power Drift [dB]	0.09



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ID: 081

Report No. :TESA2411000781ES

Measurement Report\_Top Edge, U-NII-5

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 47 (6185.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

Ha	rdw	are	Se	tun	
110	IUV	aıc	UC	LUU	,

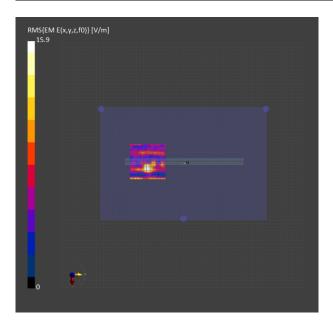
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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
2024-12-20
4.00
0.304
0.341
0.392
0.13
0.12



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ID: 082

Report No. :TESA2411000781ES

Measurement Report\_Top Edge, U-NII-6

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

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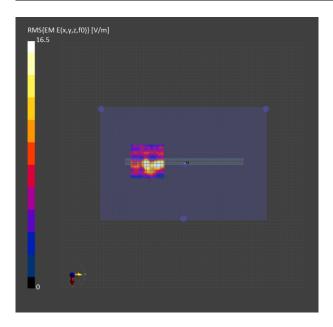
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

## **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 office it to dutte		
5G Scan		
2024-12-20		
4.00		
0.408		
0.434		
0.496		
16.5		
0.13		



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ID: 083

Report No. :TESA2411000781ES

Measurement Report\_Top Edge, U-NII-7

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 175 (6825.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

Hardware	Setup	)
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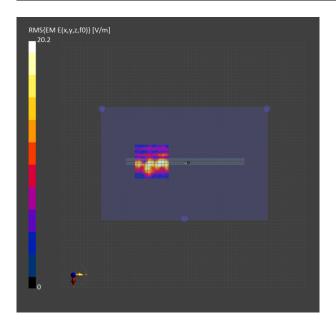
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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		
2024-12-20		
4.00		
0.552		
0.626		
0.681		
20.3		
-0.03		



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ID: 084

Report No. :TESA2411000781ES

Measurement Report\_Top Edge, U-NII-8

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

**Hardware Setup** 

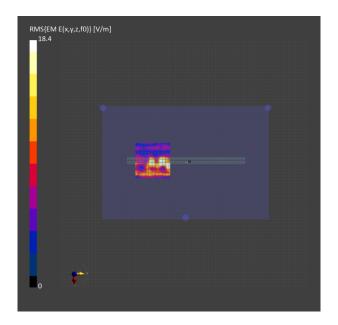
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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		
2024-12-20		
4.00		
0.455		
0.512		
0.567		
18.4		
0.11		



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ID: 085

Report No. :TESA2411000781ES

Measurement Report\_Top Edge, U-NII-5

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 15 (6025.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

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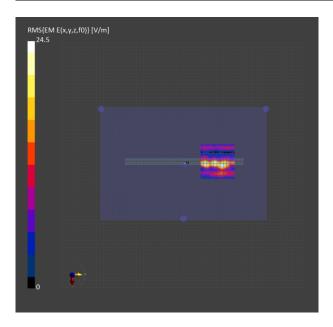
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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
2024-12-20
4.00
0.509
0.613
0.774
24.5
0.06



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ID: 086

**Report No. :TESA2411000781ES** 

Measurement Report\_Top Edge, U-NII-5

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 79 (6345.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

Ha	rdv	vare	e S	eti	ın

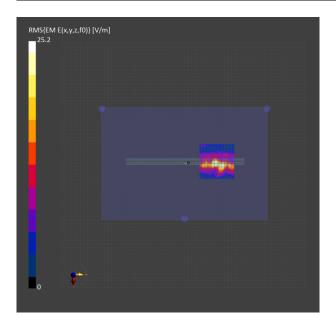
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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
2024-12-20
4.00
0.723
0.800
0.967
25.2
-0.09



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ID: 087

Report No. :TESA2411000781ES

Measurement Report\_Top Edge, U-NII-6

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 111 (6505.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

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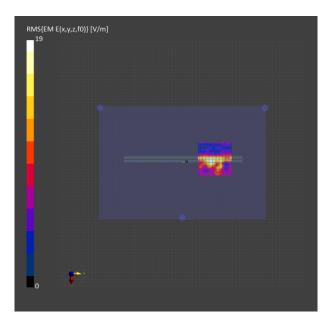
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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
2024-12-20
4.00
0.482
0.529
0.592
19.0
-0.11



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ID: 088

Report No. :TESA2411000781ES

Measurement Report\_Top Edge, U-NII-7

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 143 (6665.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

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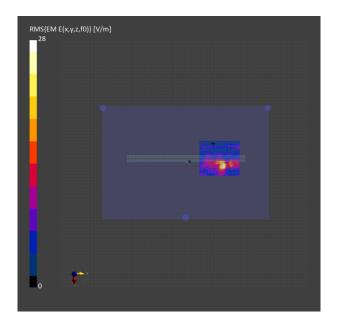
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

## **Scans Setup**

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

5G Scan
2024-12-20
4.00
0.667
0.745
0.949
28.0
-0.05



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ID: 089

Report No. :TESA2411000781ES

Measurement Report\_Top Edge, U-NII-8

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

**Hardware Setup** 

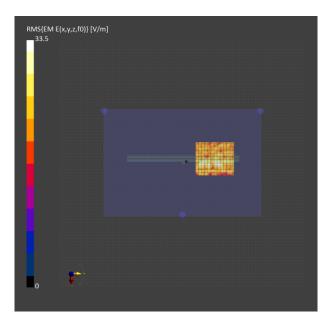
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 120.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

#### **Measurement Results**

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Scan Type	5G Scan
Date	2024-12-20
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m²]	1.73
psPDtot+ [W/m²]	1.81
psPDmod+ [W/m²]	1.92
E <sub>max</sub> [V/m]	33.5
Power Drift [dB]	-0.01



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## 14 SAR SYSTEM CHECK RESULTS

Date: 2024/12/15

**Report No. :TESA2411000781ES** 

Dipole 2450 MHz SN:727

Communication System: CW; Frequency: 2450 MHz; Duty cycle= 1:1

Medium parameters used: f = 2450 MHz;  $\sigma = 1.775 \text{ S/m}$ ;  $\epsilon r = 39.117$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(7.29, 6.66, 6.76) @ 2450 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (71x91x1): Interpolated grid: dx=12 mm, dy=12 mm

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

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

Reference Value = 98.67 V/m; Power Drift = 0.03 dB

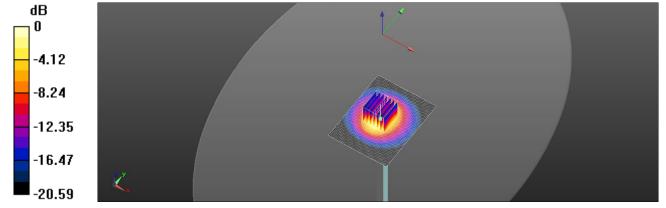
Peak SAR (extrapolated) = 25.5 W/kg

# SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.63 W/kg

Smallest distance from peaks to all points 3 dB below = 12 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Maximum value of SAR (measured) = 19.7 W/kg



0 dB = 19.7 W/kq = 12.94 dBW/kq

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Date: 2024/12/16

Report No. :TESA2411000781ES Dipole 5250 MHz\_SN:1023

Communication System: CW; Frequency: 5250 MHz; Duty cycle= 1:1

Medium parameters used: f = 5250 MHz;  $\sigma = 4.761 \text{ S/m}$ ;  $\epsilon r = 35.787$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.8°C; Liquid temperature: 22.5°C

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.57, 5.08, 5.16) @ 5250 MHz; Calibrated: 2024/07/31

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=10 mm, dy=10 mm

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

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

Reference Value = 45.71 V/m; Power Drift = 0.06 dB

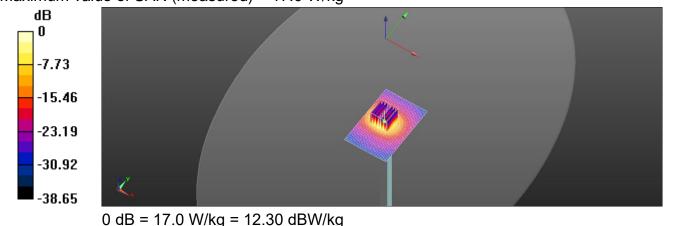
Peak SAR (extrapolated) = 32.6 W/kg

SAR(1 g) = 8.02 W/kg; SAR(10 g) = 2.25 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 55.9%

Maximum value of SAR (measured) = 17.0 W/kg



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Date: 2024/12/17

**Report No. :TESA2411000781ES** Dipole 5600 MHz\_SN:1023

Communication System: CW; Frequency: 5600 MHz; Duty cycle= 1:1

Medium parameters used: f = 5600 MHz;  $\sigma = 5.125 \text{ S/m}$ ;  $\epsilon r = 35.424$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.05, 4.61, 4.69) @ 5600 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): 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 = 55.83 V/m; Power Drift = 0.02 dB

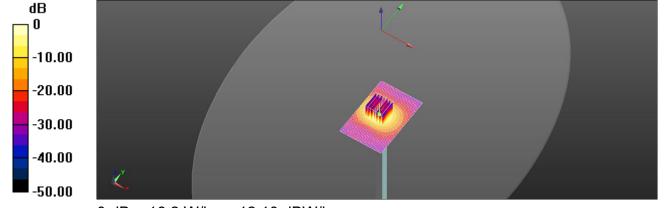
Peak SAR (extrapolated) = 34.3 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.39 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 51.4%

Maximum value of SAR (measured) = 16.2 W/kg



0 dB = 16.2 W/kg = 12.10 dBW/kg

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Date: 2024/12/17

**Report No. :TESA2411000781ES** Dipole 5750 MHz\_SN:1023

Communication System: CW; Frequency: 5750 MHz; Duty cycle= 1:1

Medium parameters used: f = 5750 MHz;  $\sigma = 5.28 \text{ S/m}$ ;  $\epsilon r = 35.244$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

Probe: EX3DV4 – SN7823; ConvF(5.19, 4.74, 4.81) @ 5750 MHz; Calibrated: 2024/07/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 15.9 W/kg

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

Reference Value = 53.68 V/m; Power Drift = 0.05 dB

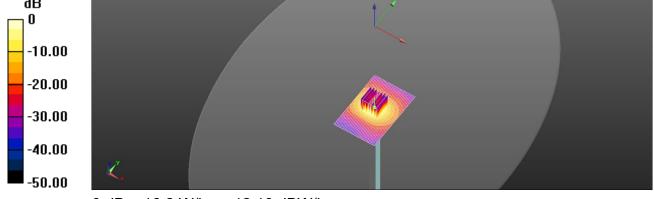
Peak SAR (extrapolated) = 33.8 W/kg

SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.24 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 51.5%

Maximum value of SAR (measured) = 16.2 W/kg



0 dB = 16.2 W/kg = 12.10 dBW/kg

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Date: 2024/12/18

**Report No. :TESA2411000781ES** Dipole 5850 MHz\_SN:1023

Communication System: CW; Frequency: 5850 MHz; Duty cycle= 1:1

Medium parameters used: f = 5850 MHz;  $\sigma = 5.385 \text{ S/m}$ ;  $\epsilon r = 35.15$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.19, 4.74, 4.81) @ 5850 MHz; Calibrated: 2024/07/31

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/03/13

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 19.1 W/kg

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

Reference Value = 57.99 V/m; Power Drift = 0.01 dB

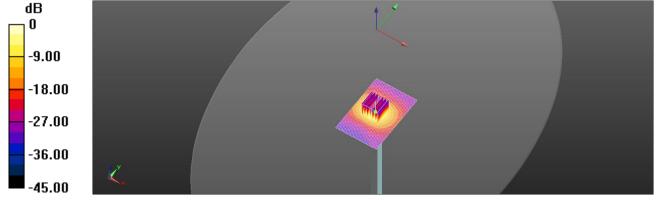
Peak SAR (extrapolated) = 39.2 W/kg

SAR(1 g) = 8.36 W/kg; SAR(10 g) = 2.2 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg = 12.72 dBW/kg

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Report No. :TESA2411000781ES

**Measurement Report** Dipole\_D6500-SN:1006

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	FRONT, 5.00	6500.0, 6500	6.2	6.08	34.413

## **Hardware Setup**

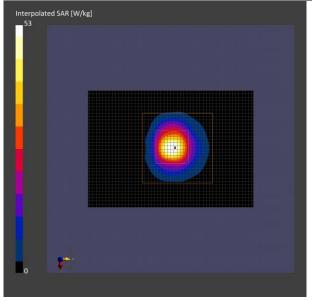
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	36.0 x 51.0	28.0 x 28.0 x 24.0
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	2024-12-18	2024-12-18
psSAR1g [W/kg]	27.0	29.8
psSAR8g [W/kg]	6.25	6.61
psSAR10g [W/kg]	5.15	5.43
psPDab (4.0cm2, sq) [W/m2]		132
Power Drift [dB]	0.03	0.09
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		4.3



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Report No. :TESA2411000781ES

**Measurement Report** Dipole\_D7000-SN:1007

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

**Exposure Conditions** 

Phantom Section,	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
TSL	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	FRONT, 5.00	7000.0, 7000	6.14	6.625	33.721

## **Hardware Setup**

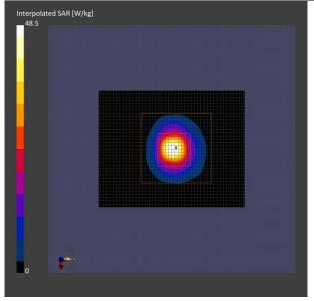
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

•	Area Caan	Zoom Coon
	Area Scan	Zoom Scan
Grid Extents [mm]	36.0 x 45.0	28.0 x 28.0 x 24.0
Grid Steps [mm]	6.0 x 7.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-18	2024-12-18
psSAR1g [W/kg]	25.1	26.4
psSAR8g [W/kg]	5.62	5.73
psSAR10g [W/kg]	4.63	4.70
psPDab (4.0cm2, sq) [W/m2]		115
Power Drift [dB]	0.03	-0.08
M2/M1 [%]		47.0
Dist 3dB Peak [mm]		4.6



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# 15 PD SYSTEM CHECK RESULTS

Report No. : TESA2411000781ES

**Measurement Report** 

5G Verification Source 10GHz-SN:1070

**Exposure Conditions** 

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

**Hardware Setup** 

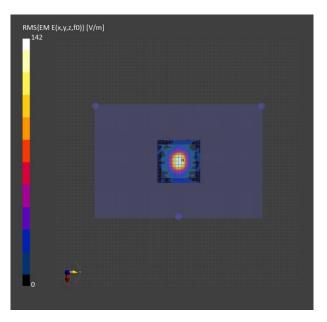
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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

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Weasurement Results	
Scan Type	5G Scan
Date	2024-12-19
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m²]	55.2
psPDtot+ [W/m²]	55.4
psPDmod+ [W/m²]	55.4
E <sub>max</sub> [V/m]	140
Power Drift [dB]	0.01



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# Refer to separated files for the following appendixes.

- 16.1 SAR\_Appendix A Photographs
- 16.2 SAR Appendix B DAE & Probe Cal. Certificate
- SAR Appendix C Phantom Description & Dipole Cal. Certificate 16.3

- End of report -

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