

Page: 1 of 170

# 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** 

MT7925B22M 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-MT7925B22MP

Date of EUT Receipt Nov. 15, 2024

Date of Test(s) Dec. 24, 2024 ~ Dec. 30, 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	Liki Lin	John Teh
		Date: Jan. 09, 2025

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Page: 2 of 170

# **Revision History**

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2411000782ES	00	Initial creation of document	Jan. 09, 2025	Cindy Chou	

N	oto	

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

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Page: 3 of 170

# **Contents**

1	GENERAL INFORMATION	5
	1.1 Test Methodology	5
	1.2 Description of EUT	6
	1.3 Maximum value	7
	1.4 Antenna Information	7
2	MEASUREMENT SYSTEM	8
	2.1 Test Facility	8
	2.2 SAR System	9
	2.3 PD system	
3	SAR SYSTEM VERIFICATION	.15
	3.1 Tissue Simulating Liquid	.15
	3.2 Tissue Simulant Liquid measurement	.15
	3.3 Measurement results of Tissue Simulant Liquid	.15
	3.4 The composition of the tissue simulating liquid:	
	3.5 System check	
	3.6 System check results	.18
4	PD SYSTEM VERIFICATION	
	4.1 System check	.19
	4.2 System check result	.20
5	TEST CONFIGURATIONS	
	5.1 Test Environment	
	5.2 Test Note	
	5.3 Test position	
	5.4 Power verification of device mode	
	5.5 Test limit	.30
6	MAXIMUM OUTPUT POWER	
	6.1 WLAN	
	6.2 WLAN 6GHz	.57
	6.3 Bluetooth	
	6.4 BLE	.73
7	DUTY CYCLE	
8	SUMMARY OF RESULTS	.78
	8.1 Decision rules	
	8.2 Summary of SAR Results	.78
	8.3 Summary of PD Results	
	8.4 Reporting statements of conformity	.84
	8.5 Conclusion	
9	SIMULTANEOUS TRANSMISSION ANALYSIS	.85
-	9.1 Simultaneous Transmission Scenarios:	
	9.2 Estimated SAR calculation	
	9.3 SPLSR evaluation and analysis	
	9.4 Conclusion	
10	INSTRUMENTS LIST	
11		92

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Page: 4 of 170

12	SA	R MEASUREMENT RESULTS	96
13		MEASUREMENT RESULTS	
14		R SYSTEM CHECK RESULTS	
15		SYSTEM CHECK RESULTS	
16		PENDIXES	
		SAR_Appendix A Photographs	
		SAR Appendix B DAE & Probe Cal. Certificate	
		SAR Appendix C Phantom Description & Dipole Cal. Certificate	

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Page: 5 of 170

# 1 GENERAL INFORMATION

# 1.1 Test Methodology

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

IEEE/ANSI C95.1-1992

IEEE 1528-2013

KDB447498D01v06

KDB865664D01v01r04

KDB865664D02v01r02

KDB616217D04v01r02

KDB248227D01v02r01

IEC/IEEE 62209-1528:2020

SPEAG DASY6 System Handbook

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

IEC TR 63170:2018

IEC 62479:2010

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Page: 6 of 170

# 1.2 Description of EUT

EUT Description	Wireless module installed in Notebook Computer				
Brand Name	HP				
Model No.	MT7925B22M				
FCC ID	B94-MT7925B22MP				
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/ax/be	2.4GHz (2400.0 – 2483.5 MHz)			
Supported radios (TX	802.11a/n/ac/ax/be	5.2GHz (5150.0 –5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz) 5.9GHz (5850.0 – 5895.0 MHz)			
Frequency Range, MHz)	802.11ax/be	6.2GHz (5925.0 – 6425.0 MHz) 6.5GHz (6425.0 – 6525.0 MHz) 6.7GHz (6525.0 – 6875.0 MHz) 7.0GHz (6875.0 – 7125.0 MHz)			
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)			

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Page: 7 of 170

### Maximum value

### Vendor 2

9-0-1						
Summary of Maximum SAR and Power Density Value						
Mode	Highest SAR 1g		Highest PD			
lviode	(W/kg)	(W/m^2)	(W/m^2)			
Bluetooth(GFSK)	0.18	N/A	N/A			
2.4G WLAN	0.91	N/A	N/A			
5G WLAN	0.95	N/A	N/A			
6G WLAN	0.63	3.90	4.401			

### Vendor 1

Summary of Maximum SAR and Power Density Value					
Mode	Highest SAR 1g		Highest PD		
Wode	(W/kg)	(W/m^2)	(W/m^2)		
Bluetooth(GFSK)	0.18	N/A	N/A		
2.4G WLAN	0.89	N/A	N/A		
5G WLAN	0.99	N/A	N/A		
6G WLAN	1.19	8.08	5.76		

#### **Antenna Information** 1.4

Vendor		Vendor1								
Antenna					T:	x1				
Part Number		025.902lE.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		025.902 D.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	1.80	1.20	0.92	1.76	1.92	1.70	1.46	0.75	0.97
Note: Antenna information is provided by the applicant.										

Vendor		Vendor2								
Antenna					T	x1				
Part Number		025.902 C.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					T	x2				
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	2.19	2.48	1.21	0.24	-1.23	-0.24	-1.08	-1.52	-1.80
Note: Antenna information is provided by the applicant.										

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Page: 8 of 170

# **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	TW3702	
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	Taiwan.	SAR 8			
	No. 2, Keji 1st Rd., Guishan	SAR 1	TW0000		
	Township, Taoyuan County, 33383, Taiwan	SAR 4	TW0028		
	No.134, Wu Kung Road, New Taipei Industrial Park,	SAR 3	TM/0007		
	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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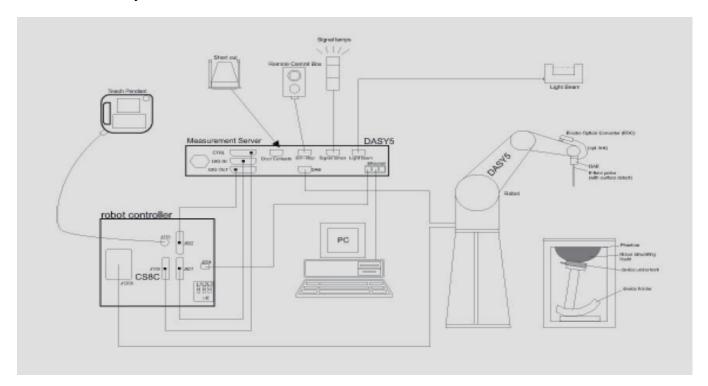


Page: 9 of 170

# **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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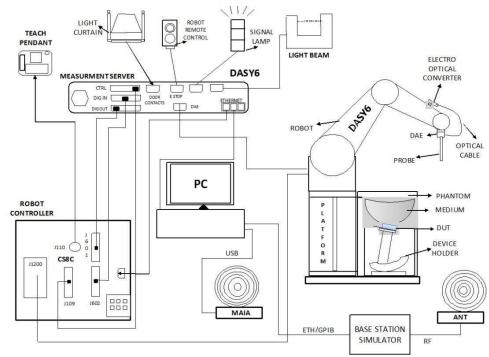
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Page: 10 of 170

### **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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Page: 11 of 170

### EX3DV4 E-Field Probe

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

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Page: 12 of 170

# PHANTOM (FI I)

PHANTOW (E	L1)
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**

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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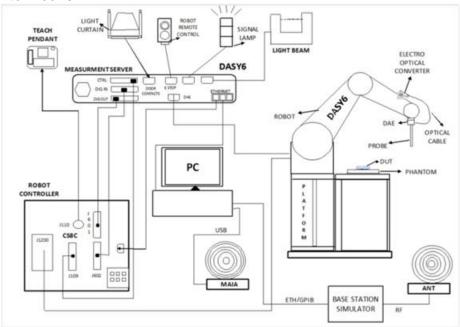


Page: 13 of 170

# 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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Page: 14 of 170

Dynamic Range	< 20 V/m - 10,000 V/m with PRE-10 (min <
	50 V/m - 3000 V/m)
Position Precision	< 0.2 mm (DASY6)
Dimensions	Overall length: 337 mm (tip: 20 mm)
	Tip diameter: encapsulation 8 mm
	(internal sensor < 1mm)
	Distance from probe tip to dipole centers:
	< 2 mm. Sensor displacement to probe's
	calibration point: < 0.3 mm
Applications	E-field measurements of 5G devices and
	other mm-wave transmitters operating
	above 10GHz in < 2 mm distance from
	device (free-space).Power density, H-field
	and far-field analysis using total field
	reconstruction (cDASY6 5G module
sensor 1,5mm calibrated	required)
Z Z Z	
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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Page: 15 of 170

## SAR SYSTEM VERIFICATION

# **Tissue Simulating Liquid**

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

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

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

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

#### 3.3 **Measurement results of Tissue Simulant Liquid**

Measured Frequency (MHz)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% dev εr	% dev σ	Limit	Measurement Date
2402	39.296	1.758	39.096	1.722	-0.51%	-2.07%	± 5%	
2412	39.276	1.767	39.089	1.727	-0.48%	-2.27%	± 5%	
2417	39.266	1.771	39.033	1.755	-0.59%	-0.93%	± 5%	
2437	39.226	1.789	39.013	1.762	-0.54%	-1.49%	± 5%	
2441	39.218	1.792	38.937	1.774	-0.72%	-1.02%	± 5%	
2450	39.200	1.800	38.899	1.778	-0.77%	-1.22%	± 5%	Dec. 25, 2024
2457	39.191	1.807	38.856	1.780	-0.85%	-1.52%	± 5%	
2462	39.184	1.813	38.813	1.792	-0.95%	-1.15%	± 5%	
2467	39.177	1.818	38.802	1.794	-0.96%	-1.32%	± 5%	
2472	39.171	1.823	38.703	1.797	-1.19%	-1.45%	± 5%	
2480	39.160	1.832	38.627	1.797	-1.36%	-1.91%	± 5%	
5180	36.020	4.639	35.972	4.618	-0.13%	-0.45%	± 5%	
5200	36.000	4.660	35.813	4.635	-0.52%	-0.54%	± 5%	
5210	35.990	4.670	35.791	4.651	-0.55%	-0.41%	± 5%	
5220	35.980	4.680	35.757	4.658	-0.62%	-0.47%	± 5%	
5240	35.960	4.700	35.752	4.673	-0.58%	-0.57%	± 5%	
5250	35.950	4.710	35.695	4.683	-0.71%	-0.57%	± 5%	Dec. 26, 2024
5260	35.940	4.720	35.684	4.695	-0.71%	-0.53%	± 5%	
5280	35.920	4.740	35.531	4.698	-1.08%	-0.89%	± 5%	
5290	35.910	4.750	35.531	4.705	-1.06%	-0.95%	± 5%	
5300	35.900	4.760	35.484	4.721	-1.16%	-0.82%	± 5%	
5320	35.880	4.780	35.472	4.775	-1.14%	-0.10%	± 5%	

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Page: 16 of 170

5510         35.635         4.976         35.373         4.946         -0.74%         -0.59%         ± 5%           5530         35.605         4.997         35.339         4.974         -0.75%         -0.45%         ± 5%           5550         35.575         5.018         35.309         5.003         -0.75%         -0.29%         ± 5%           5590         35.515         5.060         35.287         5.033         -0.64%         -0.52%         ± 5%           5600         35.500         5.070         35.267         5.059         -0.66%         -0.22%         ± 5%           5610         35.490         5.080         35.246         5.061         -0.69%         -0.37%         ± 5%           5670         35.430         5.140         35.198         5.088         -0.65%         -1.01%         ± 5%           5690         35.410         5.160         35.193         5.155         -0.61%         -0.10%         ± 5%           5710         35.390         5.180         35.191         5.156         -0.56%         -0.46%         ± 5%           5750         35.355         5.215         35.072         5.203         -0.79%         -0.33%         ± 5%
5550         35.575         5.018         35.309         5.003         -0.75%         -0.29%         ± 5%           5590         35.515         5.060         35.287         5.033         -0.64%         -0.52%         ± 5%           5600         35.500         5.070         35.267         5.059         -0.66%         -0.22%         ± 5%           5610         35.490         5.080         35.246         5.061         -0.69%         -0.37%         ± 5%           5670         35.430         5.140         35.198         5.088         -0.65%         -1.01%         ± 5%           5690         35.410         5.160         35.193         5.155         -0.61%         -0.10%         ± 5%           5710         35.390         5.180         35.191         5.156         -0.56%         -0.46%         ± 5%           5745         35.355         5.215         35.107         5.175         -0.70%         -0.77%         ± 5%           5775         35.325         5.245         35.051         5.205         -0.78%         -0.76%         ± 5%           5785         35.315         5.255         35.043         5.231         -0.77%         -0.46%         ± 5%
5590         35.515         5.060         35.287         5.033         -0.64%         -0.52%         ± 5%           5600         35.500         5.070         35.267         5.059         -0.66%         -0.22%         ± 5%           5610         35.490         5.080         35.246         5.061         -0.69%         -0.37%         ± 5%           5670         35.430         5.140         35.198         5.088         -0.65%         -1.01%         ± 5%           5690         35.410         5.160         35.193         5.155         -0.61%         -0.10%         ± 5%           5710         35.390         5.180         35.191         5.156         -0.56%         -0.46%         ± 5%           5745         35.355         5.215         35.107         5.175         -0.70%         -0.77%         ± 5%           5750         35.350         5.220         35.072         5.203         -0.79%         -0.33%         ± 5%           5785         35.315         5.255         35.043         5.231         -0.77%         -0.46%         ± 5%
5600         35.500         5.070         35.267         5.059         -0.66%         -0.22%         ± 5%           5610         35.490         5.080         35.246         5.061         -0.69%         -0.37%         ± 5%           5670         35.430         5.140         35.198         5.088         -0.65%         -1.01%         ± 5%           5690         35.410         5.160         35.193         5.155         -0.61%         -0.10%         ± 5%           5710         35.390         5.180         35.191         5.156         -0.56%         -0.46%         ± 5%           5745         35.355         5.215         35.107         5.175         -0.70%         -0.77%         ± 5%           5750         35.350         5.220         35.072         5.203         -0.79%         -0.33%         ± 5%           5775         35.325         5.245         35.051         5.205         -0.78%         -0.76%         ± 5%           5785         35.315         5.255         35.043         5.231         -0.77%         -0.46%         ± 5%
5610         35.490         5.080         35.246         5.061         -0.69%         -0.37%         ± 5%           5670         35.430         5.140         35.198         5.088         -0.65%         -1.01%         ± 5%           5690         35.410         5.160         35.193         5.155         -0.61%         -0.10%         ± 5%           5710         35.390         5.180         35.191         5.156         -0.56%         -0.46%         ± 5%           5745         35.355         5.215         35.107         5.175         -0.70%         -0.77%         ± 5%           5750         35.350         5.220         35.072         5.203         -0.79%         -0.33%         ± 5%           5775         35.325         5.245         35.051         5.205         -0.78%         -0.76%         ± 5%           5785         35.315         5.255         35.043         5.231         -0.77%         -0.46%         ± 5%
5670         35.430         5.140         35.198         5.088         -0.65%         -1.01%         ± 5%           5690         35.410         5.160         35.193         5.155         -0.61%         -0.10%         ± 5%           5710         35.390         5.180         35.191         5.156         -0.56%         -0.46%         ± 5%           5745         35.355         5.215         35.107         5.175         -0.70%         -0.77%         ± 5%           5750         35.350         5.220         35.072         5.203         -0.79%         -0.33%         ± 5%           5775         35.325         5.245         35.051         5.205         -0.78%         -0.76%         ± 5%           5785         35.315         5.255         35.043         5.231         -0.77%         -0.46%         ± 5%
5690         35.410         5.160         35.193         5.155         -0.61%         -0.10%         ± 5%           5710         35.390         5.180         35.191         5.156         -0.56%         -0.46%         ± 5%           5745         35.355         5.215         35.107         5.175         -0.70%         -0.77%         ± 5%           5750         35.350         5.220         35.072         5.203         -0.79%         -0.33%         ± 5%           5775         35.325         5.245         35.051         5.205         -0.78%         -0.76%         ± 5%           5785         35.315         5.255         35.043         5.231         -0.77%         -0.46%         ± 5%
5710     35.390     5.180     35.191     5.156     -0.56%     -0.46%     ± 5%       5745     35.355     5.215     35.107     5.175     -0.70%     -0.77%     ± 5%       5750     35.350     5.220     35.072     5.203     -0.79%     -0.33%     ± 5%       5775     35.325     5.245     35.051     5.205     -0.78%     -0.76%     ± 5%       5785     35.315     5.255     35.043     5.231     -0.77%     -0.46%     ± 5%
5745     35.355     5.215     35.107     5.175     -0.70%     -0.77%     ± 5%       5750     35.350     5.220     35.072     5.203     -0.79%     -0.33%     ± 5%       5775     35.325     5.245     35.051     5.205     -0.78%     -0.76%     ± 5%       5785     35.315     5.255     35.043     5.231     -0.77%     -0.46%     ± 5%
5750     35.350     5.220     35.072     5.203     -0.79%     -0.33%     ± 5%       5775     35.325     5.245     35.051     5.205     -0.78%     -0.76%     ± 5%       5785     35.315     5.255     35.043     5.231     -0.77%     -0.46%     ± 5%
5775     35.325     5.245     35.051     5.205     -0.78%     -0.76%     ± 5%       5785     35.315     5.255     35.043     5.231     -0.77%     -0.46%     ± 5%
5785 35.315 5.255 35.043 5.231 -0.77% -0.46% ± 5%
5815 35.285 5.286 35.016 5.248 -0.76% -0.72% ± 5%
5825 35.275 5.296 34.998 5.283 -0.79% -0.25% ± 5%
5835 35.265 5.307 34.972 5.285 -0.83% -0.41% ± 5% Dec. 28, 20
5850 35.250 5.323 34.885 5.305 -1.04% -0.34% ± 5%
5875 35.225 5.349 34.859 5.321 -1.04% -0.52% ± 5%
5955         35.145         5.433         34.793         5.429         -1.00%         -0.07%         ± 5%
6025 35.070 5.510 34.766 5.498 -0.87% -0.21% ± 5%
6175 34.890 5.687 34.682 5.662 -0.60% -0.43% ± 5%
6185 34.878 5.698 34.585 5.671 -0.84% -0.48% ± 5%
6345 34.686 5.887 34.555 5.841 -0.38% -0.78% ± 5%
6415 34.602 5.970 34.364 5.923 -0.69% -0.78% ± 5%
6500 34.500 6.070 34.262 6.027 -0.69% -0.71% ± 5%
6505 34.494 6.076 34.118 6.046 -1.09% -0.49% ± 5% Dec. 29, 20
6535 34.458 6.111 34.092 6.111 -1.06% 0.01% ± 5%
6665 34.302 6.261 33.992 6.227 -0.90% -0.55% ± 5%
6695 34.266 6.296 33.951 6.293 -0.92% -0.05% ± 5%
6825 34.110 6.447 33.853 6.415 -0.75% -0.50% ± 5%
6855 34.074 6.482 33.842 6.428 -0.68% -0.83% ± 5%
6985 33.918 6.633 33.828 6.593 -0.27% -0.60% ± 5%
7000 33.900 6.650 33.765 6.632 -0.40% -0.27% ± 5%

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Page: 17 of 170

# The composition of the tissue simulating liquid:

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

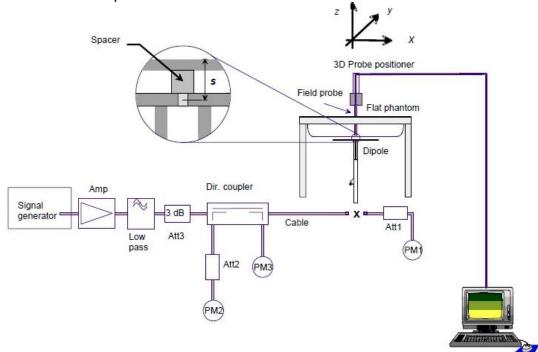
Broad-band head tissue simulating	SPEAG Product	Frequency range (MHz)	Main Ingredients
liquids	HBBL600- 10000V6	600 - 10000	Water, Oil

#### 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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Page: 18 of 170

## System check results

Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D2450V2	728	2450	52.7	13.4	53.6	1.71	± 10%	Dec.25,2024
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	1349	5250	80.9	8.54	85.4	5.56	± 10%	Dec.26,2024
D5GHzV2	1349	5600	82.4	8.01	80.1	-2.79	± 10%	Dec.27,2024
D5GHzV2	1349	5750	80.8	7.61	76.1	-5.82	± 10%	Dec.27,2024
D5GHzV2	1349	5850	79.9	8.16	81.6	2.13	± 10%	Dec.28,2024
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	30.7	307	3.37	± 10%	Dec.29,2024
D7GHzV2	1007	7000	286	27.8	278	-2.80	± 10%	Dec.29,2024

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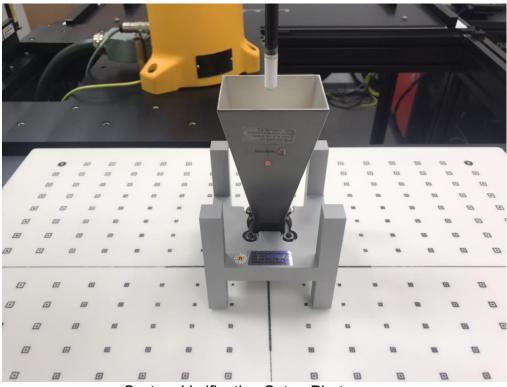
Page: 19 of 170

### 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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Page: 20 of 170

# 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	48.8	56.2	-0.61	Dec.30,2024

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Page: 21 of 170

### **TEST CONFIGURATIONS**

#### 5.1 **Test Environment**

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

#### 5.2 **Test Note**

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

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Page: 22 of 170

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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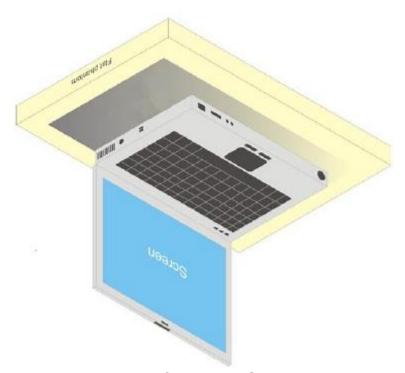


Page: 23 of 170

### **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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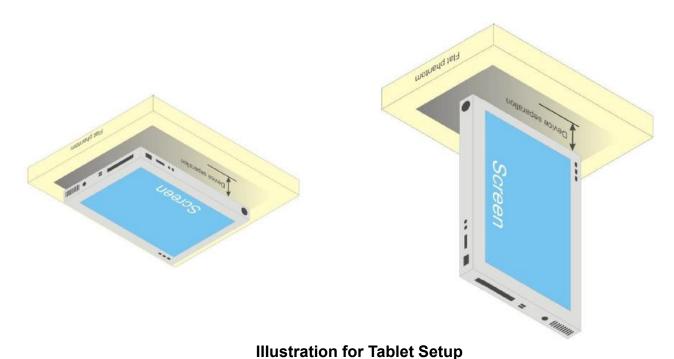
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Page: 24 of 170

# 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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Page: 25 of 170

### 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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Page: 26 of 170

Antenna	Operation mode	Lid angle	802.11b	802.11a 5.2G	802.11ac(80M) 5.2G	802.11a 5.3G	802.11ac(80M) 5.3G	802.11n(40M) 5.6G	802.11ac(80M) 5.6G	802.11a 5.8G	802.11ac(80M) 5.8G	802.11n(40M) 5.9G	802.11ac(160M) 5.9G	802.11a 6.2G	802.11ax(160M) 6.2G	802.11a 6.7G
	Lid close	0° 10°	N/A N/A													
	Laptop	20° 30°	N/A 22.18	N/A 21.12	N/A 17.04	N/A 21.16	N/A 17.66	N/A 21.05	N/A 20.60	N/A 22.17	N/A 19.96	N/A 21.06	N/A 18.07	N/A 21.01	N/A 17.12	N/A 20.01
		25°	N/A N/A													
	Lid close	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						
		29°	N/A													
		30°	22.13 22.03 21.91	21.07 21.08 21.06	17.06 16.95 17.17	20.96 20.95	17.63 17.60 17.57	20.91 21.08 21.18	20.40 20.62	22.07 22.02	20.08	20.91 20.92	18.15 18.06	20.93 20.98 21.19	17.12 16.90 17.18	20.10 19.95 19.91
		32° 33°	21.91 21.90	21.06 21.00	17.17 16.98 17.20	21.12 21.05 21.15	17.57 17.69 17.49	21.18 20.97	20.45	22.16 22.05	20.08 19.99 20.10	21.16	18.10 17.94 18.12	21.19 21.13	17.18 17.06 17.07	19.91 19.95
		34°	21.90 22.00 23.03	21.00 20.95	17.20	21.15 21.05		20.97 20.91	20.47 20.61	22.05 22.14 22.10	20.10	21.11 21.18	18.12 17.91	21.13 21.14		19.95 19.95
	Laptop	45°	22.02 22.19	21.01	16.98 16.95 17.17		17.58 17.63 17.51	21.07 21.17	20.48 20.64 20.60	22.02	20.17 19.93 19.93	20.92 21.04	18.20 18.10	21.16 21.06	17.05 17.11	19.97 19.96
	Laptop	55° 65°	22.02 21.97	20.97 21.10	16.98	21.05 21.17	17.67	20.92 21.00	20.65	22.16 22.17	19.98	21.08 21.06	17.95	20.91 20.96	17.03 17.19	20.02 20.06
		75° 85°	22.10 22.08	21.18 21.01	16.99 17.06	20.99 21.07	17.42 17.62	21.08 21.00	20.41 20.66	22.02 22.16	20.13 20.03	21.13 20.98	18.19 17.99	21.16 20.92	16.90 17.15	20.19 20.16
		95° 106°	21.92 21.97	20.97 21.00	16.99	21.16	17.66	21.14 21.08	20.56	21.93 21.95	20.16	21.02 21.01	18.18	21.08 21.20	16.98 16.98	20.15 19.91
		115*	22.18 22.11	21.11	17.20 17.09 17.01	20.90	17.61 17.48 17.66	21.05 21.08	20.56 20.53	22.06 22.11	20.06 19.98	20.93	18.15 17.96	20.95 21.06	16.96 17.00	20.00
	Tablet	125° 135°	17.93	16.14	16.07	16.12	15.98	16.19	15.94	16.19	20.15 15.91	21.01 16.06	18.15 16.00	15.99	15.90	15.95
		130* 125*	17.97 21.97	16.11 21.03	16.13 16.97	15.92 21.07	15.93 17.52	16.10 21.18	16.07 20.61	15.96 21.96	16.20 20.07	15.97 21.12	15.98 18.16	16.13 21.05	16.09 17.18	16.05 20.03
	Laptop	126* 127*	22.00 21.95	20.96 21.09	16.97 16.96 17.02	21.07 20.96 20.98	17.52 17.61 17.57	20.95 21.10	20.40 20.56	21.99 21.95	20.07 20.04 20.04	21.10 21.18	17.99 17.95	20.98 21.18	17.07 17.16	20.03 20.18 20.01
		128*	22.15 21.93	21.12 21.04	17.14 16.97	21.06 21.16	17.61 17.54	21.09	20.44	21.96	19.93	20.93 21.01	18.06	20.91 21.01	17.12	20.08 20.11
		130*	17.96	16.05	16.14	16.04	16.14	16.20	20.42 16.15	15.97	16.14	16.13	16.15	16.09	16.19	16.12
		131* 132*	18.00 18.19	16.02 16.01	16.05 15.95	16.09 16.00	15.94 16.20	15.94 16.02	16.00 16.11	16.03 15.99	15.93 15.97	16.15 15.92	16.20 16.10	16.01 16.06	16.14 16.20	16.08 16.00
l		133* 134*	18.19 17.98 18.12	16.01 16.11 16.05	16.11 16.18	16.00 16.09	16.20 15.95 15.91	16.19 15.96	16.00 15.96	15.90 16.12	15.97 16.19 15.96	16.01 16.15	15.91 16.19	16.06 16.19 16.07	16.20 16.07 15.96	16.00 16.05 16.03
ĺ		135*	18.08	16 11	15.90	15.98		15.99	16.07	15.94	16.08	15.90	16.06	16.08		
		145° 155°	18.15 18.15 17.97	16.00 16.00	16.01 16.17 15.93	15.93 16.15	16.04 16.14	15.91 16.00	16.05 15.95	16.20 15.94	16.09 16.14	15.92 16.16	16.08 15.92	16.12 16.17	16.03 16.02	16.03 16.08 15.97
		165° 175°	18.07	16.02		16.19	16.01	16.02	16.10 15.97	15.93	16.12	16.11	16.04	16.09	16.10	15.97
		185° 195°	18.12 18.04	16.01 15.99	15.91 16.01 16.19	16.16 15.95	15.95 15.98	15.92 15.98	15.94 15.96	15.96 16.04	15.91 16.09	16.18 15.92	16.07 15.96	16.05 15.92	16.17 16.03 16.04	16.03 16.09
		205° 215°	18.00 18.10	15.98 16.05	16.19 15.92	16.06	16.12 15.97	16.19	15.98 16.09	16.16 15.96	15.96 15.97	15.96 16.16	16.15 16.04	16.02 15.97	16.04 16.08	16.04
	Tablet	225° 235°	18.15	16.15	16.12 16.00 16.03	16.12 15.92	16.08 16.08 15.98	16.18	16.03	16.11	15.94	16.09 16.02 16.06	16.04	16.07	15.96	15.97 16.03 16.19
ĺ		245*	18.09 18.16	16.01 15.92				16.08 15.92	16.20 15.95	16.03 16.05	16.14 15.96		16.14 16.16	16.08 15.98	16.10 15.98	
		255° 265°	18.07 17.94	16.10 15.93	15.99 15.91	15.99 16.03	15.92 16.01	16.07 16.15	16.09 15.99	16.16 15.91	15.97 16.15	16.15 16.02	16.05 16.18	16.14 16.08	16.15 16.14	16.17 16.13
		275° 285°	17.98	15.95 15.95	16.13 16.13	15.93 15.92	16.04 15.98	16.19 16.14	16.18	16.11	16.12 16.18	16.11	16.04 15.99	16.11 15.97	15.93 16.01	15.97 16.17
		295*	18.13	16.09	15.91	15.92	16.00	16.03	16.11	16.10	16.11	16.04	16.18	16.08	16.08	15.91
		305° 315° 325°	18.13 18.20 18.00	16.10 16.00	16.14 15.97 15.92	15.97 16.13	15.90 16.18	16.15 15.94	16.00 16.18	16.07 15.92	16.03 16.12	16.10 15.94	15.96 16.10 15.98	16.19 16.19 16.10	16.02 16.12 46.19	16.04 15.94 15.95
		325° 335°	18.16	16.09 15.97	15.92 16.19	15.97 15.95		16.01 15.92	15.92 15.93	15.91 16.15	16.19 16.00	16.01 16.18	15.98 16.00	16.15	16.18 16.16	15.95 16.18
		345° 355°	18.05	15.98	16.04	16.11	16.06 15.97	16.19	16.15	16.12	16.09	16.06	16.09	15.98	16.18	15.90
		360*	18.15 18.17	15.97 16.08	15.92 16.07	16.11 16.13	16.16 16.05	15.95 16.08	15.97 16.10	15.99 16.07	16.18 16.07	16.08 15.94	16.05 16.00	15.93 16.17	16.04 16.07	16.08 16.17
		350° 340°	18.03 17.93	16.12 15.96	16.01 15.98	15.98 15.96	16.15 15.91	15.92 16.07	15.94 15.99	15.95 16.07	16.03 15.94	16.18 16.06	16.18 16.16	16.16 15.99	16.04 16.01	16.11 16.12
		330° 320°	17.92 17.98	15.92 16.01	16.09 16.15	16.18 15.98	16.00 16.17	15.94 16.08	15.91 16.09	15.97 15.98	16.20 16.14	16.14 16.16	16.19 16.19	16.18 15.97	15.92 16.05	15.92 15.99
Tx1		310° 300°	17.93 18.13	15.92 16.19	16.06 16.15	16.01 16.07	15.96 16.15	16.03 16.18	15.96 16.05	15.99 16.12	16.08 16.12	16.19 15.91	16.08 15.99	16.08 16.04	15.94 15.94	16.06 15.96
		290° 280°	18.11 18.10 17.91	16.02	16.06	16.05 16.18	15.99	15.95	16.18 16.19	16.05	15.96	15.97	16.04	16.08 16.14	16.11	15.98 15.93 16.18 16.04
		270	17.91	16.16 15.91	16.06 16.08 15.97	16.18 16.09 16.16	16.07 16.10 16.13	16.15	16.00	16.16 15.96	16.13	15.91	16.08 16.16	16.14 16.00 15.92	15.90 16.15	16.18
		260° 250°	18.06 18.09	15.97 16.16	16.03 16.07	16.16 16.04	16.13 16.19 15.95	16.13 16.06 16.10	16.10 16.13	16.17 15.93	16.02 16.19 16.12	16.00 15.97	15.96 16.13	15.92 15.99	16.14 16.18	16.04 16.06
	Tablet	250° 240° 230°	18.09 18.00 18.06	16.16 16.05 15.91	16.07 16.12 15.93	16.04 15.90 15.98	15.95 16.09	16.10 16.02	16.13 16.09 16.13	15.93 16.02 15.92	16.12 16.03	15.97 16.07 16.08	16.13 16.03 16.10	15.99 16.18 16.20	16.18 16.15 15.98	16.06 16.15 15.91
		220*	17.90 18.00	16.17 16.13	15.92 16.01	16.18 15.97	16.13 16.00	16.15	16.17 15.99	15.97 16.15	16.04 16.10	15.96 16.13	15.93 16.18	16.11	16.20 16.20	16.13 16.12
		200° 190°	18.09	16.14 15.91	16.02 16.16	15.99 15.96	16.16 16.04	16.01	16.09 16.12	16.12 16.16	15.97	15.97 16.13	15.99 15.95	15.93 16.16	16.07 15.98	16.16 16.08
		180*	17.96	16.14	16.00	15.95	15.96	16.08	16.18	16.10	16.16	16.15	15.90	16.06	15.99	15.97
		170° 160°	18.01 18.07	15.96 16.02	16.11 16.00	15.99 16.01	16.06 15.94	15.98 15.99 16.16	16.11 15.98	15.91 16.19 16.11	15.91 15.99 15.93	15.92 16.06	15.93 16.01 16.17	16.18 15.94	16.09 16.00 16.04	15.92 16.06
		160° 150° 140°	18.07 18.17 17.97	16.02 15.91 15.93	16.00 16.05 16.15	16.01 16.19 15.93	15.94 16.10 16.04	16.16 16.13	15.98 16.18 16.06	16.11 15.92	15.93 15.95	16.06 16.11 15.91	16.17 15.99	15.94 16.17 15.94	16.04 16.12	16.06 16.06 16.19
ĺ		130°	18.05	16.06	16.15	16.17	15.90	15.93	16.12	15.92 15.93	16.01	16.13	16.00	16.05	15.95	15.98
	Laptop	120° 125°	22.01 22.10	21.08 20.99	17.07 17.06	21.02 21.00	17.65 17.48	21.19 21.12	20.48 20.63	21.92 22.13	20.05 20.16	21.04 20.99	17.98 17.97	21.13 21.10	17.01 17.10	20.12 19.97
ĺ	Tablet	130° 129°	18.16 21.91	15.91 21.03	16.10 16.96	16.18 21.15	16.01 17.61 17.47	16.12 21.00	15.91 20.48	15.99 22.04	16.13 19.93	16.14 20.92	16.09 18.06	15.95 20.93	15.99 17.07	16.07 20.01
		128*		21.11	17.06	21.05	17.47	20.93	20.56	21.91	20.09	20.92 21.14	18.05	21.15	16.99	20.01 19.92
		127* 126*	22.19 21.95	21.18 21.03	17.07 17.05	21.19 20.95	17.55 17.58	21.20 21.16	20.49 20.56	22.07 22.12	20.07 20.19	20.96 21.14	18.14 17.95	21.11 20.91	17.06 17.13	20.05 19.99
		125° 115°	22.07 22.17	21.08 21.07	17.05 17.17	20.97 21.18	17.64 17.53	21.15 20.90	20.70	21.90 22.06	20.15 20.11	21.03 20.93	18.07 18.04	21.16 21.15	16.93 17.01	20.16 19.94
	Laptop	106° 95°			17.05		17.48	21.02	20.45	22.20 22.00	19.92 20.13		18.19	21.01	17.15 16.94	20.01 20.09
		85"	22.00 22.18	21.16 21.07	17.13 17.07	21.07 20.93	17.56 17.61	21.18 21.17	20.61 20.62	22.19	20.05	20.96 21.12	17.93 17.97	21.14 21.19	17.05	
		75° 65° 56°	21.94 22.06 22.02	21.10 21.14 21.02	17.09 16.96 17.08	21.04 20.94 20.98	17.46 17.53 17.67	21.16 21.09 21.02	20.45 20.54 20.59	21.97 22.05 22.17	20.03 19.99 20.15	21.13 20.98 20.96	18.05 18.13 17.97	21.07 21.13 21.13	17.14 17.03 16.92	20.15 20.16 19.97
		55° 45°	22.02 21 90	21.02 21.10	17.08 16.92	20.98 21.04	17.67 17.46	21.02 20.97	20.59 20.46	22.17 22.00	20.15 19.93	20.96	17.97 17.91	21.13	16.92 17.16	19.97
	Udalas	35"	21.90 22.12	20.99	17.15	21.08	17.50	21.08	20.57	21.97	19.90	21.18 20.98	18.10	20.96	16.91	20.13 20.19
	Lid close Laptop	30"	N/A 21.93	N/A 21.09	N/A 16.93	N/A 21.19	N/A 17.40	N/A 21.15	N/A 20.65	N/A 22.11	N/A 20.16	N/A 21.04	N/A 18.19	N/A 21.05	N/A 16.90	N/A 20.03
		29° 28°	N/A N/A													
		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
	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 N/A N/A	N/A N/A	N/A N/A N/A	N/A N/A
		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
		0° 200°	N/A 22.05	N/A 21.14	N/A 17.02	N/A 21.11	N/A 17.53	N/A 21.04	N/A 20.53	N/A 21.97	N/A 20.09	N/A 21.07	N/A 18.17	N/A 20.99	N/A 16.95	N/A 20.17
		210*	22.05	21.19	17.01	21.07	17.41 17.52	20.94 21.17	20.65	21.98 22.02	19.92 19.94	20.93	17.95 18.05	20.98	16.95 17.01	20.16
		220° 230°	22.06 22.19	21.18 21.09	17.03 17.13	21.12 21.19	17.52 17.49	20.93	20.60 20.42	22.02 21.92	20.04	20.94 21.16	18.19	21.00	17.19	20.17 20.02
		240° 250°	21.97 22.20	21.06 21.15	17.08 16.91	21.13 21.02	17.42 17.66	20.98 20.96	20.60 20.45	22.01 22.05	20.19 20.18	21.12 21.16	18.10 18.05	21.03 21.14	17.00 17.12	19.91 20.20
	Stand mode (screen orientation	260° 270°	22.09 21.98	20.97 20.95	17.01 17.06	21.15 21.13	17.54 17.47	21.04 21.07	20.44 20.66	22.01 22.13	20.07 19.99	21.20 20.95	18.17 18.10	21.12 21.10	17.12 16.98	20.06 19.97
	is 0°)	280° 290°	22.09 22.14	20.94 21.07	17.06 17.15 17.00	21.14 21.13	17.60	20.93 21.16	20.41 20.60	22.04 22.16	20.08 19.94	21.08 21.12	17.91 18.12	21.19 21.17	16.97	19.93 20.06
		300*	22.03	20.93	17.18	20.95	17.69 17.59	20.97	20.52	22.16 22.20	20.08	20.96	17.92	21.14	17.00 17.01	19.99
		310° 320°	21.90 21.93	21.04 20.91	17.11 17.13	21.10 20.92	17.58 17.41	21.03 21.14	20.55 20.50	21.97 21.96	20.18 20.14	21.18 21.02	17.99 18.14	21.09 20.92	17.05 16.92	19.94 20.12
		330* 340*	21.93 21.93	21.09 21.19	17.05 17.04	21.12 20.96	17.51 17.69	21.07 21.01	20.69 20.41	22.04 22.19	20.05 20.01	21.18 21.09	18.06 17.95	21.12 20.95	17.07 17.03	20.16 20.06
1	Tablet	350*	17.96 17.98	15.92 15.93	16.14 16.10	16.02 16.09	16.05 16.08	16.19	16.05 15.98	16.14 15.95	16.06 16.02	16.03 16.12	16.13 16.07	15.92 16.10	16.06 16.15	16.05 16.17
			17.30	13.30	10.10	10.09	10.00	10.02	15.30	14.30	10.02	19.12	10.07	10.10	10.10	19.17

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有的时,他都是好用魔器抓到之样只有害,同时他接只属是你的手,不可可以推到。

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Page: 27 of 170

The column				•												
The column	(screen orientation	340"	22.02	20.94	17.13	20.91	17.65	21.08	20.67	22.13	20.11	21.19	18.13	21.12	17.08	19.92
The column	is 0°)	341*	18.16			16.02								16.01	16.01	16.06
The column   The	T-10-1	343*	18.02	16.20	16.16	16.19	16.13	15.95	15.90	16.17	16.00	16.16	16.00	16.17	15.91	15.97
The column	Tablet		18.01 18.10	15.91 16.06			16.15 15.97	16.06	16.12		15.91 16.08		16.14			16.09 16.15
A	7-55-1	360°	18.08	16.17	15.95	16.14	16.16	16.17	16.12	15.97	16.07	15.91	16.18	16.06	16.19	16.15
The column	Stand mode											21.16				
The column	is 0°)	345*		16.05	16.18			16.15		16.17		16.06				
The column	Tablet	344* 343*	18.08 18.07	16.09 15.93	16.13 16.08	16.12 16.08	15.92 16.13	16.00 16.01	15.92	16.06 15.95	16.16 16.15	16.09 16.11	16.18	16.00 16.10	16.18 15.97	15.95
The column					15.91		16.10	16.10 16.07				16.02 15.92		16.18	16.01	16.15
The column		340° 339°	22.07 22.09		17.06 17.05		17.47 17.60				19.95 20.16			21.10 21.06	17.14 17.09	19.93 19.96
The column														21.06		
Marie		336"	22.14	20.91	17.05 17.09	20.90	17.55	21.13	20.42	21.97	20.18	21.12	17.92	20.91	16.94	20.02
## 15		325*	22.08	21.07 21.05	16.92	21.09 21.08	17.47 17.56	21.08	20.46	22.02	19.98 20.01	20.97 21.00	18.20 18.01	20.98 21.10	17.06 17.13	19.90 20.11
## 15	Stand mode	306° 296°	22.05 21.92	21.02 20.96	17.14 16.93	20.90 21.02	17.57 17.40	20.98 20.94	20.40 20.62	22.11 22.16	20.12 19.93	21.13 21.19	18.04 17.98	21.20 21.09	17.07 17.09	20.08 20.05
The color	is 0°)	285° 275°	22.18 22.08	20.96	16.91	21.10	17.50 17.64	20.94	20.52	22.03	20.09	21.18 21.15	18.08 17.91	20.95 20.97	17.10	19.94 19.92
The column		265* 255*	22.14	21.13 21.07	17.03	21.17	17.43 17.43	20.99	20.60	22.10	20.12	21.03 21.03	18.12 18.00	21.16	17.05	20.19
1.		245* 235*	22.18 21.92	20.95 21.08		20.93 20.91		21.20 21.00	20.55 20.48	22.03 21.92	20.13 19.96	20.96 21.02		21.05 21.15	17.18 17.08	19.98 20.13
The column		215*	22.13	21.10	17.15	21.02	17.43	21.01	20.48	21.93	20.20	20.93	17.93	21.13	17.03	19.94
The column		200°	21.93	21.02	17.10	21.08	17.40	20.92	20.55	22.06	20.03	20.90	18.11	21.14		19.98
TATE		210*	18.08	16.07	16.03	16.14	15.93	16.15	15.94	16.16	16.13	15.98	15.94	16.01	16.12	16.03
Property   1985   188		230°	18.10	16.04	16.18	16.17	15.98	16.17	16.01	15.97	16.17	15.95	16.10	16.15	16.18	16.05
No. of column   Col	Taré mode				15.90			15.93		16.18		15.97	16.14		16.16	
## 10	(screen orientation	270°	18.13	15.96	16.05	15.92	15.92	16.14	16.09	16.07	15.93	15.99	15.91	16.06	15.92	15.91
THE COLOR OF THE C			18.10 18.08	16.11 16.13	16.12 15.90	15.96 16.09	15.96 16.19	15.96 15.90	15.95 16.02	15.98 15.96	16.15 15.98	16.04 16.03	15.92 16.02	16.13 16.01	16.18 16.03	16.01 15.96
18		320°	18.18	16.17	16.15	16.06	15.92	16.16	15.98	16.16	15.99	16.08	16.14	16.11	16.17	16.11
The color	L	330° 340°	18.17 18.06	15.94 16.09	15.98 15.90	16.10 16.13	16.15 15.97	16.17 16.03	15.99 16.17	16.04 16.06	16.13 16.08	16.16 16.06	16.04 15.95	16.08 16.10	15.98 16.02	16.18 15.92
Table	Tablet															
A	Tent mode															
Apr	(screen orientation is 180*)															
Table		342"	17.96	16.13	15.90	15.98	15.97	16.18	16.18	16.11	15.94	15.95	16.20	16.17	16.13	15.91
Temporary   Part	Tablet	343* 344*	18.00 18.08	16.10	16.06	15.94	16.13	16.08	16.03	16.02	16.02	16.19	16.07	15.94	15.90	16.19
Table		345° 355°	17.96	16.14	16.08	16.15	16.19	16.05	15.96	15.93	16.06	16.05	16.08	16.20	16.13	16.02
The control of the co	Tablet	360°	18.12 17.97	16.13 15.99	15.96 16.02	15.90 16.17	16.11 16.03	16.09 15.93		15.92 16.00	16.03 15.97	16.03 16.06	16.07 15.95	15.91 15.97	16.05 15.97	16.14 16.05
THE COLOR OF THE C	former extended on	340"	17.99	16.01	15.96	16.11	15.99	16.13	15.97	16.18	16.05	15.95	15.90	16.02	16.04	16.12
The last of the la	is 180°)		17 97		46.09	16.02	15.01	16.11	16 16	16.06	10.00	45.02	16 11	16 12	16.09	46.42
THE PART OF THE PA	Tablet	344*	18.16	15.99	16.07	15.97	16.07	15.97	16.18	16.07	16.05	16.14	16.06	16.03	16.15	15.94
No.		342" 341"	17.96	16.20 15.97	16.08 16.11	16.04 16.04	16.05	16.11 15.90	15.93	16.08 16.13	16.02	16.13 16.03	16.05 15.90	16.15	16.05 16.06	16.16
The color of the		340° 339°														
THE COLOR OF THE C		338* 337*	18.04	16.16	16.17	16.14	16.08	16.15	16.03	15.96	16.20	16.01	16.14	15.93	15.94	16.18
March	Tx1	336* 335*	18.15 18.16	15.90 15.93	16.00 16.06	16.04 16.13	15.92 16.13	16.15 16.10	16.17 16.11	16.08 16.00	16.08 15.96	16.14 15.95	16.11 16.00	16.08 15.91	16.00 16.04	16.04 16.00
March   Marc			18.14 18.20	16.11 15.93	15.93 15.94	15.96	15.94 15.95	15.94 16.05	16.01 16.15	16.12 15.96	16.14 16.19	16.15 16.11	16.03 16.13	15.91 16.12	16.02 16.07	16.08 16.13
March	(screen orientation	306°	18.10 18.15	16.05 16.05	16.02 15.93	16.13 16.04	15.99 16.15	16.01 16.00	16.15 16.14	16.01	15.97 15.92	15.95 15.95		16.05 16.13	16.11 16.08	16.02 16.11
Marie   Mari	is 180°)	275°	17.97	16.19	16.08	15.94 15.94	16.02	16.10		16.13	16.17	16.04	16.00	15.98	15.97	15.99
Part   1.00		255*	18.05	16.08	16.17	15.92	16.03	16.01	16.12	16.09	15.91	16.02	16.04	16.05	16.18	16.14
March   Marc		235*	18.18	15.97	16.19	16.15	16.05	16.05	15.97	16.16	16.00	16.18	16.04	15.93	15.95	16.06
March   Property   P		215* 206*	18.02 17.90	15.99 15.94	16.01 16.00	16.00 16.13	16.11 15.95	16.00 15.96	16.09 16.17	16.13 16.16	15.95 16.00	15.91 16.08	16.08 16.03	16.15 16.07	16.01 16.01	16.01
March   Marc		200° 0°	N/A	N/A	N/A	N/A	N/A	16.00 N/A	N/A							
Note contained   P	Lid close	10° 20°														
No. or 2070	(screen orientation	30°	17.94	16.12	16.19	16.11	16.18	16.11	16.00	16.01	15.95	16.19	15.91	16.17	16.03	16.16
List State    Sec.   All   All	is 90° or 270°)	26*	NA.	N/A		N/A	N/A	N/A								
27   154   154   154   155   156	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
Part   100		28° 29°		N/A	N/A	N/A N/A	N/A	N/A			N/A		N/A N/A		N/A	N/A
Section   Sect		31*	18.07 18.11	15.98 16.14	15.96 15.97	15.99	16 16	16.03	16.00	16.12	15.95 16.09	15.98	15.93 16.20	16.01	16.19	15.93
## 1.00			18.14	16.18	16.08	15.93	16.15	16.20	16.18	16.04	16.00	16.02	16.01	15.91	16.04	16.16
10			17.95 18.16	16.06	15.91	15.93	16.20	15.95	15.95	15.97	15.95	16.05	16.00	16.10	16.19	16.02
Book mode		55°	18.00	16.10	15.91	15.99	16.06	16.05	16.06	16.00	16.14	15.91	16.00	16.07	15.95	15.96
107		75° 85°	18.17	16.06	16.12	15.98	16.12	16.14	16.14	16.06	16.18	15.98	16.01	16.13	15.96	15.94
197 14,00 15,04 16,00 15	(screen orientation is 90° or 270°)	105*	18.17	16.15	16.04	16.06	16.10	15.97	15.93	16.05	16.07	16.16	16.01	16.12		16.02
107		115* 125*	18.09 18.09	15.94 15.92	16.04 16.04	16.03 16.11	16.07 15.93	16.08 16.12	16.18 15.97	16.11 16.17	15.98 15.97	15.95 15.98	16.01 15.94	16.00 16.17	15.91 16.16	16.06 16.10
100   170		135° 145°		15.97 15.98	16.09 16.08	15.93 16.10	16.05 16.18	15.97 16.04	16.15 16.00	16.11 15.98	15.96 16.20	15.93 15.99	15.97 16.04	15.93 15.93	16.06 16.18	15.96 16.02
160		155° 165°	18.05	16.03	16.10	16.14	16.01 16.14	16.20	16.05	16.11 16.16	16.20	15.91	16.03	16.20	16.12 16.03	16.00 16.05
200   18.10		185°	18.07 17.91	16.18	16.00	16.18	16.11	16.00	15.91	16.08	16.13	16.18	15.90	16.11	15.95	16.05
1807 1738 1630 1630 1630 1630 1630 1630 1630 1630		200*	18.12	16.10	16.16	16.19	16.03	15.92	15.95	16.14	16.07	16.06 16.06	16.07	16.13	16.02	15.98
167   16.00		180°	17.95	16.06	16.18	16.18	16.09	16.18	15.97	16.11	16.10	16.03	16.16	15.94	16.01 16.00	16.15 16.01
147   16.00			18.04 18.02	16.15 16.05	15.96	15.99	15.99	15.90	15.93	16.08	16.07	16.19	15.92	15.96 16.17	16.05	16.16 16.02
107 1 103 1		140° 130°	18.18 17.93	16.08 16.08	16.01 15.91	15.97 15.94	16.01 16.12	16.04 16.17	16.10 16.08	15.97 15.98	16.15 16.10	16.05 15.95	16.16 15.94	15.99 16.11	16.07 15.96	16.06 16.17
10   10   15   15   15   15   15   15	(screen orientation	120° 110°	18.03	15.91 16.06	15.99 16.09	16.03 16.15	16.03 16.05	15.99 16.19	16.05 15.92	16.14 16.07	15.95 16.20	16.19 15.98	16.11 15.96	16.03 15.92	16.09 16.12	16.04 15.97
PT   17-80   16.77   16.71   16.72   16.75	32020)	90°	18 16	16.03 16.05	16.15	16.12	16.19	16.10	16.05	15.97 16.14	16.14 16.17	16.10	16.17	16.01	16.10	15 94
## 15   16   16   16   16   16   16   16		70°	17.98 17.96	16.17	16.17	16.09	16.13 16.10	15.92	16.01	16.15	15.91	15.99	16.10	15.96 15.99	16.17	
15   15   15   15   15   15   15   15		50°	18.05	16.09 16.03	16.00	16.04	16.14	15.95 16.16	16.06	15.91	15.97	16.02	16.07 15.96	15.99 16.09	16.01	16.15 16.14
25°   NA	ļ	30°	17.95	16.18	16.17	16.16	16.10	15.90	16.14	15.99	16.13	16.13	16.06	15.95	16.13	15.93
	Lid close		N/A N/A		N/A N/A	N/A N/A	N/A N/A									
8 50' 0 279')  25' NA	(screen orientation	30°	17.93	16.13	16.11	15.92	16.02	15.90	15.93	16.05	15.90	16.09	15.99	16.18	16.05	16.09
25°   NAA																
Ld diag 25° NA	is 90° or 270°)		N/A	N/A	N/A	N/A	N/A N/A	N/A								
15° NA	is 90° or 270°)		4.00							N/A	N/A					N/A
- 100 100 100 100 100 100 100 100 100 10		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 M/A	N/A N/A	N/A Al/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
		27° 26° 25°	N/A N/A N/A													

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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台灣檢驗科技股份有限公司



Page: 28 of 170

Antenna	Operation mode	Lid angle	802.11b	802.11a 5.2G	802.11ac(80M) 5.2G	802.11a 5.3G	802.11ac(80M) 5.3G	802.11n(40M) 5.6G	802.11ac(80M) 5.6G	802.11a 5.8G	802.11ac(80M) 5.8G	802.11n(40M) 5.9G	802.11ac(160M) 5.9G	802.11a 6.2G N/A	802.11ax(160M) 6.2G	802.11a 6.7G
	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 N/A	N/A N/A
	Laptop	20° 30°	N/A 21.99	N/A 20.91	N/A 17.26	N/A 21.31	N/A 17.58	N/A 21.30	N/A 20.53	N/A 22.29	N/A 19.96	N/A 21.38	N/A 17.99	N/A 21.02	N/A 17.15	N/A 20.36
		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	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	N/A N/A	N/A N/A	N/A N/A	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°	N/A 21.98	N/A 21.21	N/A 16.94	N/A 21.09	N/A 17.73	N/A 21.37	N/A 20.63	N/A 22.24	N/A 20.38	N/A 20.98	N/A 18.34	N/A 20.92	N/A 16.98	N/A 20.18
		31"	22.15 21.93	21.14	17.09	20.96 21.25	17.80 17.60	20.97	20.64	22.37 22.07	20.16	21.11	18.31	21.32	17.29 17.40	20.16
		32°	21.93 22.03 22.37	20.93 21.02 21.31	17.13 17.00 16.96	21.25 21.16 21.07	17.72 17.81	21.01 20.93 21.14	20.59 20.62 20.89	22.07 22.13 22.24	20.31 19.95 20.34	21.08 21.38 20.93	18.28 18.11 17.98	20.93 21.30 21.22	17.15 17.16	20.19 20.35 19.94
		34" 35"		21.31 21.13	16.96 17.01	21.07	17.81 17.42	21.14	20.89 20.86	22.24 22.16	20.34 19.96	20.93 21.05	17.98 18.16	21.22 21.11	17.16 17.35	19.94 20.36
	Laptop	45° 55°	22.30 21.96		17.01 17.14	21.11 20.94	17.42 17.88	21.33 21.34	20.76	22.16 22.31	20.03	21.40 21.18	18.16 18.38 18.04	21.25	17.35 17.26 16.94	20.36 20.00
		65*	22.27 22.02	21.11 21.04	17.20 17.31	21.00 21.30	17.78 17.74	21.26 21.06	20.80 20.75	21.95 22.12	20.15 19.94	20.98	17.95	21.17 21.29	17.00	20.10 20.06
		75 85°	22.08 21.98	20.91 20.96	17.03 16.91	21.26 21.04	17.81 17.43	21.29 20.92	20.62 20.44	22.25 22.08	20.35 20.38	20.99 21.37	18.22 17.98	21.08 21.30	16.93 16.92 17.20	20.07 20.17
		95° 105°	22.28 22.25	21.24 21.28	16.94 17.18	21.36 21.39	17.60 17.69	20.96 21.34	20.65 20.82	22.01 22.19	20.08	21.25 20.95	18.35 18.02	21.21 21.24	17.20 17.37	20.03 20.02
		115* 125*	22.25 22.05	21.26 21.23	17.18 17.34 17.33	21.21 21.18	17.69 17.67 17.41	21.33 21.20	20.69 20.47	22.05 22.23	20.19 20.27	21.21 20.94	18.36 18.28	21.06 20.91	16.98 17.30	20.19 20.37
	Tablet	135*	18.09 17.92	16.24	16.35 16.27	16.12 15.99	16.22 15.99	15.96 16.04	15.98 16.39	16.06 16.40	16.29 16.29	15.97 16.22	16.17 16.36	16.20 16.26	16.09 16.21	15.97 16.38
		125"	22.09 22.20	20.92 21.15	17.34 16.99	21.17 21.25	17.59 17.41	21.26 20.91	20.57 20.84	22.27 22.21	20.35 20.21	21.12 20.93	17.96 18.21	21.22 21.39	16.96 17.06	20.09 20.02
	Laptop	127*	22.19	20.99	17.31	21.13	17.84	21.25	20.85	22.04	20.15	21.27	18.39	21.05	17.25	20.05
		128* 129*	22.27 22.11	21.34 21.03	17.35 17.36	21.12 20.95	17.52 17.66	21.02 21.15	20.82 20.73	22.13 21.95	20.11 20.18	21.17 20.97	18.36 17.93	21.19 21.14	17.12 17.00	20.06 20.23
		130"	18.30	16.23 16.09	16.25 16.21	16.16	15.99	16.20	16.06 15.97	16.27 16.14	16.10	16.33 16.14	16.13 15.92	16.35 16.08	16.10 15.93	15.90
		132* 133*	18.25 18.24 17.91	16.39	16.00 16.16	16.07	15.93 16.24 16.23	15.95 16.08 16.20	15.90	16.04	16.22	16.03 16.10	16.25	16.34 16.17	16.02 15.98 16.02	16.01 15.95 16.32
		134* 135*	18 34	16.11 15.93 15.96	16.27	16.14 16.38 15.93			16.24 16.12 16.31	16.04 16.08 16.31	16.29 16.26 16.20	16.24 16.03	15.90 16.35 16.10	16.35 16.30		
		135° 145° 155°	18.34 18.37 18.31	16.10 16.03	16.04 16.04 16.27	16.37 16.01	16.33 16.06 16.24	15.91	16.31 16.02 15.90	16.31 15.99 16.19	16.20 16.17 15.95	16.03 15.92 16.39	15.90 15.95	16.30 15.90 16.39	15.99 15.91 16.26	15.97 16.13 15.95
		165"	17.92	16.31	15.97	16.21	15.97	15.91 16.09 15.95	16.14	16.32	16.30	16.18	16.28	16.31	10.90	
		175° 185° 196°	18.05 18.37 18.01	16.24 16.33	16.05 16.15 16.39	16.06 16.32	15.96 16.16 16.14		16.08 16.39	16.15 16.16 16.27	15.96 15.98	16.19 16.35 16.14	15.93 16.21	16.26 16.16 15.99	16.19 16.35	15.94 16.16
		195° 205°	18.01 18.26	16.33 16.37 16.24	16.39 15.92	16.32 16.06 16.06	16.14 16.12	15.97 16.17 15.90	16.39 16.03 15.94	16.27 15.92	15.98 16.20 16.12	16.14 15.99	16.21 15.93 15.96	15.99 16.38	16.35 15.95 16.12	16.16 16.03 16.08
	Tablet	215*	17.90	16.23 15.96	16.29	16.28 16.33	16.01	16.07 16.40	16.04 16.12	16.25	16.36 16.05	16.01 16.19	16.39 16.33	16.04 16.30	16.25	16.27 16.10
	THE PART OF THE PA	225* 235* 246*	18.25 18.20	16.25	16.27 16.38 16.12	16.20 16.11	16.08 15.92 16.35	16.10 15.99	16.17 16.27	16.39 16.07 16.38	16.00	16.07	16.02 16.02	16.03 15.99	16.22 16.30 16.26	16.10 16.32 16.15
		255*	18.18 18.28 17.90	16.02	16.29	16.19	16.12	16.04	15.92	16.10	16.08	15.97	16.22	16.26	16.26 15.98 15.99	15.97
		265° 275° 285°	17.90 18.16 18.33	15.95 15.91 16.17	16.22 15.93	16.26 16.32	16.01 16.37 16.12	16.37 16.12 16.32	16.06 16.04 16.12	16.09 16.02 16.05	15.90 16.29 16.31	16.27 16.05	16.02 16.09	16.19 16.29 15.91	15.99 15.99	16.05 16.23 16.25
		285* 295*	18.33 18.02	16.17 16.16	16.23 16.15	16.01 16.16	16.12 16.24	16.32 15.92	16.12 16.16	16.05 16.11	16.31 16.16	15.91 16.23	16.11 16.25	15.91 16.26	15.99 16.28 16.33	16.25 16.11
		305°	18.37	16.08	16.06	16.23 16.24	15.99	16.34	16.22	16.21	15.94	16.15 15.94		16.13	16.01	16.36
		315* 325*	18.22 17.93	15.91 16.17	16.37 16.05	16.20	16.06 16.29	15.99 16.14	16.35 16.10	16.39 16.38	15.99 16.01	16.25	16.28 16.39	16.11 16.38	15.99 16.01	16.25 16.24
		335° 345°	18.09 18.13	15.91 16.09	16.40 15.92	16.24 16.11	16.10 15.92	15.98 15.93	16.33 16.22	16.25 16.33	15.99 16.00	15.96 16.13	16.17 16.06	16.17 16.36	15.99 15.92	16.11 16.19
		355* 360*	18.31 18.23	16.01 16.30	16.02 15.95	16.16 16.14	16.05 16.17	16.38 16.35	15.91 15.96	15.92 16.36	16.13 16.04	16.40 15.93	16.12 16.16	16.31 16.19	16.05 16.19	16.05 15.97
		350* 340*	18.24 18.20	16.39 16.33	15.93 16.05	16.29 16.11	16.09 16.04	16.14 16.05	16.09 16.21	16.00 16.01	16.34 16.23	16.06 15.91	16.16 16.07	16.17 16.31	16.24 16.34	16.36 15.96
		330*	17.94 18.18	16.38 16.00	16.06 16.07	16.29 16.39	16.24 16.15	16.23 16.30	16.12 16.34	15.93 16.24	16.18 16.21	16.22 16.02	16.20 16.06	16.05 16.36	16.09 16.01	16.31 16.28 15.95
Tx2		310° 300°	17.92 17.92	16.07 16.35	16.39 15.92	16.32 16.10	16.11 16.02	16.14 16.06	15.98 15.93	16.12	16.25 16.25	16.28	16.15 15.98	16.27 15.95	15.95 16.39	15.95 16.31
		290° 280°	17.92 18.32 18.06	15.97	16.10	16.10	16.02 16.06 15.98	16.22	15.98 15.98	16.17	16.25 16.36 16.12	16.34 16.07 16.15	15.99	15.97 16.38	16.21	16.15
		2/0"	18.06 18.12 17.91	16.09 16.38	16.03 16.10	16.17 16.32 16.01	15.98 16.27 16.35	16.22 16.29 16.29 16.19	15.98 16.36 15.94	15.97 16.17	16.30	15.97	15.99 16.13 16.12	16.38 16.22 16.17	16.21 15.99 16.10	16.15 16.35 16.03
		260° 250°	17.91 18.10	16.09 16.37	16.28 16.08		16.35 16.32	16.19 16.09	16.05	16.19 16.36	15.96 16.00	16.40 16.22		16.17 16.14		
	Tablet	250* 240* 230*	18.10 18.36 17.95	16.37 15.98 16.02	16.08 15.98 16.10	15.96 16.33 16.30	16.32 16.08 16.38	16.09 15.93 15.96	16.39 16.38	16.36 16.32 16.31	16.00 15.93 16.30	16.22 15.95 16.30	16.35 16.24 16.15	16.14 16.24 16.25	16.18 16.34 16.31	16.13 16.29 16.02
		220° 210°	18.05 18.03	15.91 16.37	16.35 16.11	16.31 15.98	16.16 16.31	16.08 16.06	16.13 16.05	15.91 16.36	16.08 15.92	16.28 16.32	15.91 16.03	16.30 16.36	15.98 16.02	16.05 16.14
		200°	18.00	16.15	16.38	16.32 16.19	16.30 15.96	16.40 16.27	16.30 16.17	16.14 16.08	15.93	16.01 16.02	16.19 15.92	16.09 16.05	15.91 16.00	16.24 16.19
		180°	18.13	16.15	16.35	16.03	16.05	16.09	15.91	15.91	16.13	16.08	16.28	16.30	16.02	16.00
		170° 160° 150°	18.29 18.06 18.25	15.91 16.38 16.26	15.96 16.02 16.27	16.38 16.01 16.25	16.25 16.13 16.18	16.15 16.14 16.14	16.14 16.06 16.15	16.24 16.08 15.93	16.17 16.28 15.92	16.03 16.07 16.26	16.19 16.17 16.22	16.30 16.10 16.09	16.19 16.37 16.13	15.95 16.17 16.03
		150° 140°	18.25 18.09	16.26 16.22	16.27 16.18	16.25 16.06	16.18 16.30	16.14 16.18	16.15 16.40	15.93 16.20	15.92 16.23	16.26 16.37	16.22 16.04	16.09 16.33	16.13 16.17	16.03 16.29
		130° 120°	18.18	16.19	16.32 17.12	16.02 21.34	16.39 17.73	16.17	16.11	16.09	16.11	16.11	16.15 18.17	16.00	16.14	16.14
	Laptop	125*	22.27	21.22 20.94	17.12	20.98	17.63	21.16	20.63 20.62	22.22 22.33	20.28	20.90 21.05	17.94	21.21	17.05 17.38	20.36 19.93
	rablet	130° 129°	17.99 22.11 22.04	16.12 20.99	16.24 16.95 17.17	15.94 21.15 21.08	16.00 17.88 17.67	16.26 21.13	15.91 20.45	16.23 22.06	16.01 19.90	16.15 21.11	15.93 18.33	16.28 20.92 21.02	16.35 16.91 17.07	16.36 20.29 19.92
		128* 127*	22.04 22.32	21.06 21.20	17.17 17.10	21.08 20.91	17.67 17.83	20.98 21.21	20.66 20.57	22.11	20.29 19.95	20.96 21.17	18.28 18.24	21.02 20.96	17.07 17.36	19.92 19.94
		126"	22.32 22.08 22.15	21.20 21.17 21.30	17.15 17.04	20.91 21.15 21.24	17.85 17.78		20.64 20.69	22.16 22.10 22.36	20.36 19.95		18.23 18.25	20.96	17.36 16.98 17.31	
		125* 115*	22.15 22.09	21.30 20.91	17.40	21.24 20.95	17.42	21.35 21.34	20.58	22.36 21.91	20.07	20.98 21.08	18.25	21.35 21.03	16.97	20.06 19.92
	Laptop	106° 95° 85°	22.13 22.35 22.14	21.34 21.05 21.14	17.26 17.37 17.25	21.07 21.20 20.99	17.79 17.42 17.74	21.05 21.33 21.39	20.73 20.73 20.65	22.20 22.09 21.98	20.31 20.10 20.14	21.39 20.99 21.22	18.23 18.16 18.02	20.94 21.18 21.19	16.98 16.97 17.19	20.25 20.38 20.37
		85° 75°	22.21	21.03	17 20	21.19	17.75	21.15	20.79	22.18	20.31	21.08	18.20	21.18	17.27	20.24
		65° 55°	21.91 22.04	21.01 21.10	16.92 17.34	20.93 21.38	17.43 17.80	21.33 21.34	20.71	22.29 22.20	20.21 20.22	21.37 21.29	18.39 18.29	21.15 20.90	17.31 17.12	20.06 20.26
		56° 45°	22.04 22.27 22.11	21.10	16.93	21.38 21.29 21.31	17.70 17.47	21.34	20.67	22.20	20.22	20.92	18.29	21.12 21.08	16.92	20.26 20.04 20.26
	Lid close	35° 25°	N/A	21.13 N/A	16.96 N/A	N/A	N/A	21.34 N/A	20.79 N/A	22.22 N/A	20.13 N/A	20.94 N/A	18.29 N/A	N/A	17.21 N/A	N/A
	Laptop	30° 29°	21.96 N/A	20.92 N/A	17.35 N/A	21.23 N/A	17.57	21.25	20.48 N/A	21.97 N/A	20.21	21.03 N/A	18 37	21.28 N/A	17 19	20.19
		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 N/A N/A	N/A N/A	N/A N/A N/A	N/A N/A N/A
	Lid close	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
		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
		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
		200° 210°	22.01 22.08	21.28 21.38	17.21 17.31	21.35 21.03	17.60 17.56	21.10 20.98	20.90 20.90	22.27 22.26	19.91 20.12	20.92 21.37	18.08 18.06	21.31 20.98	16.94 17.23	20.02 20.37
		220*	22.37 22.38	20.93 21.24	16.93 17.09	21.28 21.05	17.56 17.40	21.29 21.10	20.76 20.73	21.97	19.96 20.24	21.01	18.09	21.21	17.31 16.92	20.02 20.02
		2.90° 240°	22.28	21.10	17.28	21.24	17.40 17.59 17.88	21.04	20.88	22.28 22.08	20.27	20.99	18.30	21.04	16.97	20.26
	Stand mode	250° 260°	22.26 22.15 21.98	21.32 21.37	17.04 17.35 17.04	21.00 21.28 20.95	17.88 17.53	21.28 21.23	20.76 20.43	22.05 22.24 21.95	20.14 20.27	21.35 21.08	18.32 17.92	21.24 20.91	17.01 17.35	20.21 20.02 19.94
	(screen orientation is 0°)	270° 280°	22.19	21.37 21.12 21.37	17.25	21.29	17.53 17.68 17.74	21.23 20.98 21.24	20.85 20.46	22.30	20.27 20.28 19.97	21.12 21.26	17.97 18.25	20.91 21.21 20.96	17.35 17.26 17.24	20.30
		290° 300°	22.23 21.92	21.31 21.29	17.36 17.16	21.21	17.53 17.48	21.25 20.91	20.79 20.68	22.23 21.93	20.31 19.92	21.15 21.30	18.26 18.04	21.23 21.21	17.33 16.92	20.21
		310"	22.13	20.97 21.10	17.30 17.30	21.17 20.98	17.82 17.73	21.23	20.73 20.61	22.14 22.37	20.09 19.94	21.36	18.17 18.19	21.14	17.32 16.99	20.04 20.01 20.36
		320* 330* 340*	22.11 22.17	21.10 21.04 21.36	17.30 16.98 17.21	20.98 21.38 21.08	17.73 17.48 17.68	21.02 21.12 21.39	20.61 20.62 20.73	22.37 22.12 22.31	20.09	21.18 21.28 21.15	18.19 18.34 18.28	20.97 21.07 21.11	16.99 17.34 17.35	20.36 20.16 19.92
	Tablet	340° 350°	22.01 18.24 18.09	21.36 16.19 16.37	17.21 16.00 16.37	21.08 16.35 16.21	17.68 16.05	21.39 16.24 16.31	20.73 15.93 15.92	22.31 16.08 16.20	20.02 16.30 15.96	21.15 16.03	18.28 16.39 16.27	21.11 15.96 16.38	17.35 15.93 16.19	19.92 16.15 16.08
	Tables	345*	18.09	16.37	16.37	16.21	16.06	16.31	15.92	16.20	15.96	16.02	16.27	16.38	16.19	16.08

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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Page: 29 of 170

	Stand mode										1					
	(screen orientation is 0°)	340*	21.93	21.26	17.37	21.13	17.61	21.34	20.75	21.94	20.38	21.09	17.93	21.12	17.19	20.34
		341° 342°	18.19 17.96	16.07 16.28	16.14 16.24	16.25 16.20	15.94 16.04	16.24 16.07	16.18 16.39	15.90 16.17	16.18 15.91	16.35 16.36	16.36 16.11	16.21 16.20	16.32 15.90	16.30 16.27
	Tablet	343* 344*	18.35 17.92	16.02 16.21	16.36 16.32	15.91 15.97	16.06 16.06	16.04 16.25	15.93 16.35	15.98 16.00	15.92 15.94	16.30 16.29	16.23 16.32	16.30 16.07	16.20 15.99	16.02 16.34
		345* 355*	18.08 18.03	16.05 16.21	16.00 16.26	16.02 16.07	15.97 16.28	16.10 16.09	16.22 16.00	15.99 16.17	16.19 16.20	15.93 16.04	15.91 15.91	16.27 15.96	16.00 16.08	16.14 15.93
	Tablet	360° 350°	18.21 18.11	15.95 15.99	16.11 16.03	15.92 16.03	15.96 16.23	16.20 16.32	16.13 16.12	16.36 16.04	15.93 16.04	15.98 16.00	15.92 16.38	16.23 16.14	16.07 16.08	16.22 16.08
	Stand mode (screen orientation	340*	21.96	21.15	17.07	20.99	17.87	21.10	20.63	22.07	20.21	21.11	17.92	21.24	17.37	20.14
	(screen onentation is 0°)															
		345° 344°	18.30 18.39	15.98 15.94	16.27 16.10	16.28 16.10	16.29 15.99	16.16 16.31	16.38 15.90	16.30 15.91	16.24 15.99	16.13 16.16	16.22 15.96	16.02 15.92	16.11 16.21	15.97 16.18
	Tablet	343* 342*	18.37 17.90	16.32 16.02	15.95 16.09	16.11 16.09	16.25 16.38	15.96 16.01	16.20 16.19	16.07 16.29	16.11 16.15	16.37 16.08	16.30 15.94	16.26 16.29	16.37 16.22	16.16 15.96
		341° 340°	17.94 22.03	16.14 21.00	15.97 17.36	16.11 20.95	15.96 17.58	16.02 21.31	16.05 20.68	16.13 22.30	16.33 20.08	16.21 21.16	16.08 18.38	16.19 21.22	15.98 17.27	16.34 20.23
		339*	22.04	21.37	17.17	21.09	17.67	21.02	20.40	22.08	19.99	21.09	18.07	21.16	17.35	20.08
		338* 337*	22.03 22.28	21.14 21.07	16.93 17.26	21.29 21.25	17.58 17.81	21.30 21.36	20.52 20.86	22.01 22.12	19.93 20.38	21.01 20.99	18.16 18.20	21.07 21.39	16.99 16.92	20.15 20.28
		336° 335°	22.12 22.35	21.39 21.04	17.28 17.13	21.28 21.27	17.71 17.56	21.13 21.10	20.49 20.45	22.07 21.94	20.33 20.00	21.31 21.20	18.38 18.06	21.18 21.16	17.31 17.25	20.04 20.04
		325* 315*	21.97	20.99 21.28	17.20 17.19	21.32 21.09	17.75 17.87	21.25 21.05	20.64 20.45	22.35 22.32	19.93	21.33	18.28 18.11	21.15 21.19	17.38 17.39	20.25 20.31
	Stand mode	306° 296°	22.18 22.27 22.40	20.96 21.37	17.38 17.30	21.02 21.15	17.77 17.55	20.98 21.20	20.86 20.73	22.31 22.37	20.17 20.25	21.34 21.34 21.38	18.07 18.04	21.08 20.93	16.95 17.20	20.13 20.05
	(screen orientation is 0°)	285* 275*	22.21 22.18	21.24 20.96	17.03 17.06	20.98 21.28	17.61 17.80	21.20	20.68 20.54	22.01 22.26	20.29	20.92 20.93	18.10 18.27	20.93 21.02	17.23 17.16	20.10 20.27
		265*	22.33	21.16	16.93	21.13	17.80	21.37	20.71	22.31	20.22	21.07	18.27	21.04	17.32	19.90
		255° 245° 235°	22.37 22.04 21.95	20.98 21.23 21.15	16.96 17.03 16.99	21.25 21.33 21.29	17.45 17.62 17.63	21.00 20.91 21.06	20.45 20.78 20.54	22.35 22.30 22.00	19.95 20.32 20.14	21.12 21.05 20.96	18.31 18.22 18.06	21.05 21.40 21.04	17.10 17.37 17.30	20.32 20.20 20.06
		225*	21.90	21.15 21.33	16.94	21.29 21.15	17.86	21.06 21.37	20.54 20.57	22.00 22.31	20.14 20.02	20.96 21.05	18.06 18.31	21.04 21.23	17.10	20.06 20.15
		215° 206°	21.90 22.24	20.93 20.97	17.30 17.03	21.09 21.03	17.64 17.40	20.94 21.36	20.70 20.50 20.79	22.20 22.13	20.16 19.97	21.26 21.17	18.36 17.99	20.99 20.90	16.98 17.22	20.24
		206° 200° 200°	22.24 21.96 18.14	20.97 20.90 16.08	17.03 17.17 15.94	21.03 20.95 15.96	17.40 17.68 16.27	21.36 21.27 16.05	20.79 16.25	22.13 22.31 16.29	20.21 15.91	21.17 21.08 16.24	17.99 18.10 16.14	20.90 21.04 16.13	17.22 17.25 15.92	20.01 20.27 16.16
		210*	18.18	16.22	16.11	16.18	16.06	16.25	16.27	16.34	16.35	16.25	16.12	16.12	16.34	16.35
ĺ	Ī	220° 230°	18.24 18.19	16.09 16.37	16.39 16.24	15.93 15.91	15.98 16.18	16.20 16.18	16.38 15.99	16.37 16.30	16.24 15.96	16.07 16.06	16.07 15.97	16.21 16.17	16.38 16.17	15.91 16.07
		240° 250°	18.12 18.26 17.91	16.18 15.91	15.92 16.38	16.25 16.08	16.28 16.32	16.34 16.21	16.15 16.04	16.15 16.30	16.02 15.93	16.31 16.21	16.35 16.33	16.19 16.36	16.27 16.23	16.15 16.33
	Tent mode (screen orientation	260° 270°	17.91 18.06	16.17 16.10	16.30 16.29	15.92 16.15	15.95 16.29	15.97 15.96	16.33 16.25	16.07 16.16	15.95 16.21	16.04 16.36	16.00 16.38	16.03 16.10	16.36 16.16	16.25 16.06
	is 180")	280° 290°	18.26	16.31 16.40	15.97 15.96	16.13 16.14	16.18 16.24	16.14 16.32	16.34 16.30	16.36 16.40	16.05 16.16	16.06 16.18	16.21 16.29	16.02 16.23	16.09 16.38	15.90 16.27
ĺ	Ī	300°	17.98 18.14			16.14 16.06 16.08		16.34 15.95	16.30 16.23 16.30							
1		310° 320°	18.16 18.14	16.32 16.08	16.11 16.17	16.29	15.90 16.22	16.38	16.08	16.25 16.21	16.16 16.01	16.12 15.93	16.38 16.18	16.37 16.38	16.17 15.99	15.92 16.38
1		330° 340°	17.98 18.17	16.24 16.11	15.94 16.17	16.40 16.38	16.02 15.94	16.24 16.01	16.39 15.95	16.29 16.35	16.34 16.02	16.12 16.10	15.95 16.37	16.34 16.16	16.14 16.03	16.15 16.20
	Tablet	350° 345°	17.95 18.24	15.97 16.34	16.06 16.24	16.02 16.15	15.90 15.96	16.01 15.93	15.90 15.94	15.91	16.07	16.17 16.15	16.10 16.35	16.38 16.11	16.10 16.26	15.97 16.27
	Tent mode															
	(screen orientation is 180*)	340*	18.40	16.31	16.27	16.02	15.95	16.14	16.05	16.35	16.14	16.25	16.14	16.23	16.35	16.10
		341*	18.22	16.28	16.30	15.98	16.25	16.06	16.05	16.11	15.96	16.03	16.36	16.27	15.95	15.98
	1	342" 343" 344"	18.08 18.07 17.91	16.30 16.29 16.13	16.02 16.19 16.39	16.39 16.38 16.24	15.94 16.15 16.10	15.93 16.29 16.07	16.01 16.02 16.34	16.23 15.92 16.09	16.00 15.98 16.06	16.21 16.03	16.09 15.94	15.99 15.96 16.23	16.05 16.04	16.14 15.98 16.39
	Tablet	344* 345*	18.04	16.10	16.18	16.24 16.32 16.02	16.10 16.11 16.16	15.90	16.34 16.25 16.34	16.09 16.06 16.18	16.06 16.29 15.98	16.32 16.35	16.23 16.26	16.23 16.24 16.27	16.09	16.39 16.29 16.38
		355° 360°	18.13 18.36	16.05 16.12	16.19 16.32	16.22	16.15	16.29 16.12	16.34 15.91	16.18 16.15	15.98 16.30	15.99 16.30	16.06 15.97	16.25	16.24 15.90	16.38 16.06
	Tablet	350*	18.25	16.28	15.91	16.37	16.17	16.11	16.36	16.37	16.00	16.39	16.25	16.31	16.38	16.24
	Tent mode (screen orientation	340*	18.04	16.25	16.21	16.40	16.36	16.25	16.40	15.92	16.03	16.13	16.11	16.15	16.24	16.06
	is 180°)	345*	18.06	16.31	16.13	16.18	16.32	16.22	16.33	15.91	16.03	15.91	16.35	16.28	15.94	16.32
		344*	17.98	16.14	16.16	15.96	16.33	16.28	16.25	16.12	16.09	16.33	15.94	16.16	16.16	16.36
	Tablet	343* 342* 341*	18.23 18.06 18.01	16.04 16.03 15.93	16.16 16.12 16.21	16.39 16.39 15.96	16.16 15.97 15.99	16.09 16.22 16.11	16.15 16.15 15.93	16.08 16.36 16.11	16.12 16.21 16.12	16.05 16.17 16.33	16.20 15.96 16.28	15.97 16.02 16.29	16.07 16.37 16.24	16.34 15.99 16.22
		340*	18.01	15.93 16.19	16.21 16.20	15.96 16.06	15.99 16.04	16.11	15.93 16.31	16.11 15.95	16.12 16.26	16.33 16.26	16.28 16.28	16.29 15.99	16.24 16.02	16.10
		339°	18.09	16.11 16.27	16.37 16.16	16.19 16.05	16.20 16.02	16.28 15.93	16.14 16.33	16.19 15.99	16.24 16.30	16.27 16.16	16.04 15.93	16.00 16.08	16.14 16.20	16.02 16.37
Tx2		337*		16.06	15.98	16.14	16.33	16.34	16.37	16.09	16.30	16.31	16.08	16.40	16.10	15.98
1.02		336°	18.27 17.91	16.13 16.16 16.14	16.12 16.21 16.04	15.93 16.05 16.34	16.38 16.04 16.21	16.13 16.20 15.96	16.40 16.26 15.93	16.23 16.29 16.33	16.04 15.96	16.19 16.36 16.30	15.92 16.14	16.18 16.15 16.37	15.98 16.06 15.97	16.10 16.29 16.35
		325° 315° 305°	18.20 18.08 18.08	16.14 16.33 15.97	16.34	16.08	16.21 15.92 16.19	16.01	16.19	16.38	16.03 15.90	16.18	15.99 15.93	16.37 16.29 16.03	15.97 15.96 15.95	16.35 16.22 16.38
	Tent mode	306° 296°	18.08 18.24	15.97 16.06	15.96 16.04	16.21 16.28	16.19 16.14	16.05 16.29	16.06 15.92	16.00 16.12	15.96 16.26	15.97 15.98	16.15 16.10	16.03 16.06	15.95 15.96	16.38 16.20
	is 180°)	285° 275°		16.21	16.01 16.19	16.06 16.19		16.21 15.90	16.00 15.98			16.23 16.16	16.00 15.95			
		265*	18.37 18.15 18.02	15.96 16.19	16.21 15.96	16.10 16.10	16.15 16.34 16.12	16.14 16.05	16.22 16.04	16.31 16.02 16.31	16.18 16.20 16.28	16.22 16.06	16.23 16.33	16.36 16.35 15.91	16.31 16.06 16.33	16.31 16.31 16.31
		255° 245°	18.20	16.19 16.19	16.24	16.34	15.94	15.94	16.07 16.00	16.35	16.21	16.04	16.00	16.14	16.05	16.05
		235* 225*				15.95 16.15		16.23 16.18	15.92	15.92 15.93	16.00 16.24	16.21 16.01	16.06 16.10	16.36 16.31		16.29 16.38
		215*	17.99 18.29	15.97 15.93	16.20 16.25		16.21 16.23			16 20		15.00		16.40	16.39 16.30	16 14
		215° 206°	18.03 18.05	15.97 15.97	16.38 16.29	16.20 16.16	16.20 16.32	16.19 16.12	16.29 16.24	16.38 16.31	15.99 16.39	15.96 16.34	16.10 16.35	16.40 16.29	15.90 16.31	16.14 15.99
		215° 206° 200°	18.03 18.05 18.22	15.97 15.97 16.07 N/A	16.38 16.29 16.23 N/A	16.20 16.16 16.38 N/A	16.20 16.32 16.39 N/A	16.12 16.05 N/A	16.24 16.15 N/A	16.38 16.31 16.12 N/A	15.99 16.39 16.34 N/A	15.96 16.34 16.35 N/A	16.35 16.35 N/A	16.40 16.29 16.11 N/A	15.90 16.31 16.15 N/A	16.14 15.99 16.02 N/A
	Lid close	215° 206°	18.03 18.05	15.97 15.97 16.07	16.38 16.29 16.23	16.20 16.16 16.38	16.20 16.32 16.39	16.12 16.05	16.24 16.15	16.38 16.31 16.12	15.99 16.39 16.34	15.96 16.34 16.35	16.35 16.35	16.40 16.29 16.11	15.90 16.31 16.15	16.14 15.99 16.02
	Lid close  Book mode	215° 206° 200° 0° 10° 20°	18.03 18.05 18.22 N/A N/A N/A	15.97 15.97 16.07 N/A N/A N/A	16.38 16.29 16.23 N/A N/A	16.20 16.16 16.38 N/A N/A N/A	16.20 16.32 16.39 N/A N/A	16.12 16.05 N/A N/A N/A	16.24 16.15 N/A N/A N/A	16.38 16.31 16.12 N/A N/A N/A	15.99 16.39 16.34 N/A N/A N/A N/A	15.96 16.34 16.35 N/A N/A N/A	16.35 16.35 N/A N/A N/A	16.40 16.29 16.11 N/A N/A N/A	15.90 16.31 16.15 N/A N/A N/A	16.14 15.99 16.02 N/A N/A N/A
		215° 206° 200°	18.03 18.05 18.22 N/A N/A N/A 18.08	15.97 15.97 16.07 N/A N/A N/A N/A	16.38 16.29 16.23 N/A N/A N/A N/A	16.20 16.16 16.38 N/A N/A N/A N/A	16.20 16.32 16.39 N/A N/A N/A 16.36	16.12 16.05 N/A N/A N/A N/A	16.24 16.15 N/A N/A N/A 16.17	16.38 16.31 16.12 N/A N/A N/A 15.94	15.99 16.39 16.34 N/A N/A N/A N/A	15.96 16.34 16.35 N/A N/A N/A N/A	16.35 16.35 N/A N/A N/A 16.09	16.40 16.29 16.11 N/A N/A N/A N/A	15.90 16.31 16.15 N/A N/A N/A 16.10	16.14 15.99 16.02 N/A N/A N/A 16.21
	Book mode (screen orientation is 90° or 270°)	215° 206° 200° 0° 10° 20°	18.03 18.05 18.22 N/A N/A N/A N/A N/A N/A	15.97 15.97 16.07 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	16.38 16.29 16.23 N/A N/A N/A N/A N/A N/A N/A N/A	16.20 16.16 16.38 N/A N/A N/A 16.26	16.20 16.32 16.39 N/A N/A N/A N/A N/A	16.12 16.05 N/A N/A N/A 16.08	16.24 16.15 N/A N/A N/A 16.17	16.38 16.31 16.12 N/A N/A N/A N/A N/A N/A	15.99 16.39 16.34 N/A N/A N/A N/A N/A	15.96 16.34 16.35 N/A N/A N/A 16.21	16.35 16.35 N/A N/A N/A 16.09	16.40 16.29 16.11 N/A N/A N/A 16.22 N/A N/A	15.90 16.31 16.15 N/A N/A N/A 16.10	16.14 15.99 16.02 N/A N/A N/A N/A N/A N/A N/A N/A N/A
	Book mode (screen orientation	215° 200° 200° 0° 10° 20° 30°	18.03 18.05 18.22 NVA NVA NVA NVA NVA NVA 18.08	15.97 15.97 16.07 NA NA NA NA NA NA NA NA NA	16.38 16.29 16.23 N/A N/A N/A	16.20 16.16 16.38 N/A N/A N/A 16.26	16.20 16.32 16.39 N/A N/A N/A	16.12 16.05 N/A N/A N/A 16.08	16.24 16.15 N/A N/A N/A 16.17	16.38 16.31 16.12 N/A	15.99 16.39 16.39 NA NA NA NA NA NA NA NA	15.96 16.34 16.35 N/A N/A N/A 16.21	16.35 16.35 N/A N/A N/A 16.09	16.40 16.29 16.11 N/A N/A N/A 16.22 N/A N/A N/A N/A	15.90 16.31 16.15 N/A	16.14 15.99 16.02 N/A N/A N/A N/A
	Book mode (screen orientation is 90° or 270°)	215° 200° 0° 10° 20° 30° 30° 25° 25° 25° 27° 28° 22°	18. 03 18. 05 18. 22 NVA NVA NVA NVA 18. 08	15.97 15.97 15.07 NA NA NA NA NA NA NA NA NA	16.38 16.29 16.23 N/A	16.20 16.15 16.38 N/A N/A N/A 16.26 N/A N/A N/A N/A N/A	16.20 16.32 16.39 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	16.12 16.05 N/A N/A N/A N/A 16.08 N/A N/A N/A N/A N/A N/A	16.24 16.15 NVA NVA NVA 16.17 NVA NVA NVA NVA NVA NVA NVA	16.38 16.31 16.12 N/A	15.99 16.39 16.34 NA NA NA NA NA NA NA NA NA	15.96 16.34 16.35 NIA	16.35 N/A N/A N/A N/A 16.09 N/A N/A N/A N/A N/A	16.40 16.29 16.11 N/A N/A N/A N/A N/A N/A N/A N/A N/A	15.90 16.31 16.15 N/A N/A N/A N/A N/A 16.10 N/A	16.14 15.99 16.02 N/A
	Book mode (screen orientation is 90° or 270°)	215° 206° 200° 0° 10° 20° 30° 25° 25° 27°	18. 03 18. 05 18. 22 NVA NVA NVA NVA 18. 08  NVA NVA 18. 08  NVA NVA NVA NVA NVA NVA NVA NVA NVA NV	15.97 15.97 16.07 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	16.38 16.29 16.23 N/A	16.20 16.16 16.38 N/A N/A N/A 16.26 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	16.20 16.32 16.32 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	16.12 16.05 N/A N/A N/A 16.08 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	16.24 16.15 N/A	16.38 16.31 16.12 NIA	15.99 16.39 16.39 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	15.96 16.34 16.35 N/A	16.35 N/A N/A N/A N/A 16.09 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	16.40 16.29 16.11 N/A N/A N/A N/A N/A N/A N/A N/A	15.90 16.31 16.15 N/A N/A N/A N/A N/A 16.10 N/A	16.14 15.99 16.02 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
	Book mode (screen orientation is 90° or 270°)	215" 200" 200" 10" 10" 20" 30" 25" 26" 27" 28" 28" 29" 31" 32" 32"	18.03 18.05 18.22 N/A N/A N/A N/A N/A 18.08 18.08 18.08 18.08 18.15 18.15 18.15 18.15	15.97 15.97 16.07 NA NA NA NA 15.92 NA NA NA NA NA NA NA NA NA NA NA NA NA	16.38 16.29 16.23 N/A	16.20 16.16 16.38 N/A N/A N/A N/A 16.26 N/A N/A N/A N/A N/A N/A N/A N/A 16.02 16.19 16.27 16.12	16.20 16.32 16.39 18A 18A 18A 16.36 16.36 18A 18A 18A 18A 18A 18A 18A 18A 18A 18A	16.12 16.05 N/A N/A N/A N/A 16.08  N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	16.24 16.15 NJA NJA NJA NJA 16.17  NJA NJA NJA NJA NJA NJA NJA NJA NJA 16.30 16.03 16.03 16.02 16.25	16.38 16.31 16.12 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	15.99 16.34 NA NA NA NA NA NA NA 16.04  NA	16.34 16.34 16.35 N/A	16.35 NIA	16.40 16.29 16.11 NA NA NA NA NA NA NA NA NA NA NA NA NA	15.90 16.31 16.15 N/A N/A N/A 16.10 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	16.14 15.99 16.02 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
	Book mode (screen orientation is 90° or 270°)	215" 205" 200" 0" 10" 20" 30" 30" 25" 26" 27" 28" 30" 31" 32" 33" 34" 35"	18.03 10.05 118.07 118.22 10.05 10.27 10.05	15,97 15,97 16,07 NA	16.38 16.29 16.29 18.21 NA	16.20 16.16 16.38 16.38 16.38 16.38 16.38 16.36 16.26 16.26 16.27 16.62 16.27 16.12 16.35 16.36	16.20 16.30 16.30 18.30	16.12 16.05 NA NA NA NA 16.08 NA NA NA NA NA NA NA NA NA NA NA NA NA	16.24 16.15 NIA	16.38 16.31 16.13 16.12 NA	15.99 16.34 NA	15.98 16.34 16.35 NA	16.35 NIA	16.40 16.20 16.11 NA	15.00 16.31 16.15 NA	16.14 15.99 16.02 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
	Book mode (screen orientation is 90° or 270°)	2:15" 200" 200" 0" 10" 20" 30" 30" 25" 26" 27" 28" 30" 31" 31" 32" 33" 34"	18.03 18.05 18.05 18.22 N/A	15.97 15.97 16.07 NA	16.38 16.29 16.23 NA NA NA NA NA NA NA NA NA 15.92 NA	16.20 16.16 16.38 N/A	16.20 16.32 16.32 16.30 N/A N/A N/A N/A N/A 16.36 N/A	16.12 16.05 NA NA NA NA NA NA NA NA NA NA NA 16.40 16.26 16.01 16.15	16.24 16.15 NVA NVA NVA NVA 16.17 16.17 NVA NVA NVA NVA NVA 16.30 16.03 16.02 16.25	16.38 16.31 16.13 16.12 NAA NAA NAA NAA NAA NAA NAA NAA NAA NA	15.99 16.39 16.39 16.34 NA NA NA NA NA NA NA NA NA 16.04 16.04 16.05	15.56 16.34 16.35 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	16.35 NA NA NA NA NA NA NA NA NA NA NA NA E.G.5 16.15 16.22 16.27 15.95	16.40 16.20 18.11 18.11 18.11 18.11 18.11 18.12 16.22 18.24 18.24 16.22 16.22 16.22 16.20 16.20 16.20 16.20 16.20 16.20 16.20 16.20 16.20 16.20 16.20 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30	15.90 16.31 16.15 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	16.14 15.99 16.02 NA NA NA NA NA NA NA NA NA NA NA NA NA
	Book mode (screen orientation is 90° or 270°) Lid close	215° 205° 200° 0° 10° 30° 25° 26° 27° 28° 28° 27° 33° 35° 35° 35° 45° 55° 65° 75°	18.03 18.05 18.27 18.27 18.28 18.29 18.20	15.97 15.97 16.07 16.07 18.07 18.07 18.07 18.07 18.07 15.92 15.92 15.92 15.92 15.92 15.92 15.92 15.92 15.92 15.92 15.92 15.92 15.92 15.93 15.93 15.93 15.94 15.95 15.96 15.96	16.38 16.29 16.29 18.23 18.4 18.4 18.4 18.9 18.9 18.9 18.9 18.9 18.9 18.9 18.9	16.20 16.16 16.30 16.16 16.30 16.30 16.30 16.26 16.26 16.26 16.50 16.51 16.52 16.52 16.53 16.53 16.53 16.53 16.53 16.53 16.53	16.20 16.30 16.30 16.30 16.30 16.30 16.30 18.30	16.12 16.05 NA NA NA NA NA NA NA NA NA NA NA NA NA	16.24 16.15 NIA	16.38 16.31 16.11 16.11 16.11 16.11 16.11 16.12 16.12 16.12 16.12 16.12 16.12 16.12 16.12 16.12 16.12 16.12 16.12 16.12 16.12 16.13 16.13	15.99 16.39 16.34 NA	15.96 16.34 16.34 18.35 18.35 18.35 18.35 18.35 18.45 16.21 16.21 16.21 16.31 16.32 16.33 16.35 16.35 16.35 16.35 16.35 16.35 16.35 16.35 16.35 16.35	16.35 16.35 N/A	16.40 16.20 18.20	15.50 16.31 18.15	16.14 15.59 16.02 16.02 16.02 16.02 16.21 16.21 16.21 16.21 16.21 16.21 16.21 16.21 16.20 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
	Book mode (screen orientation is 90° or 270°)  Lid close  Book mode (screen orientation)	215° 205° 200° 0° 10° 25° 26° 26° 27° 28° 28° 28° 28° 28° 28° 28° 38° 38° 38° 38° 38° 38° 38° 38° 38° 3	18.03 18.05 18.05 18.05 18.05 18.06 18.06 18.06 18.06 18.06 18.06 18.06 18.06 18.06 18.07 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15 18.15	15.07 15.07 15.07 15.07 15.07 15.07 15.07 15.07 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.03	16.38 16.29 16.29 17.30 18.20	16.20 16.16 16.30 16.30 16.30 16.30 16.30 16.30 16.20 16.20 16.20 16.20 16.27 16.17 16.28 16.20 16.27 16.28 16.20	16.20 16.32 18.32 18.32 18.32 18.32 18.34 18.36 16.36 18.36 18.37 18.37 18.01 18.37	16.12 16.05 NA NA NA NA 16.08 16.08 NA NA NA NA NA NA NA 16.40 16.20 16.01 16.15 16.15 16.21 16.15 16.21 16.24 16.24 16.24 16.25 16.24 16.	16.24 16.15 NIA	16. 38 16. 38 16. 38 17 18 18 18 18 18 18 18 18 18 18 18 18 18	15.99 16.93 NA	15.56 15.56	16.36 16.36 NA	16.40 16.20 17.20 18.20	15.50 15.50	16. 14 15.590 15.590 18. 18. 18. 18. 18. 18. 18. 18. 18. 18.
	Book mode (screen orientation is 90° or 270°) Lid close	215° 265° 265° 265° 265° 265° 265° 265° 26	18.03 18.03 18.03 18.03 18.03 18.04 18.06	15.07 15.07 15.07 15.07 15.07 15.07 15.07 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.03	16.28 16.28	16.20 16.10 16.20 16.10	16.20 16.22 18.22 18.24 18.24 18.4 18.4 18.4 18.4 18.4 18.4 18.4 18.	16.12 16.05 NA NA NA NA 16.08 16.08 NA NA NA NA NA NA 16.40 16.20 16.01 16.15	16.24 16.15 16.15 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.18 16.19	16.39 16.31 16.31 17.31 18.32 18.32 18.33	15.99 16.93 18.94 18.04 18.04 18.04 18.04 18.04 18.04 18.04 18.03	15.50   15.50	16.35 NA	16.60 16.21 18.71	15.50 15.50	16. 14 15.50
	Book mode (screen orientation is 90° or 270°)  Lid close  Book mode (screen orientation)	2151 2051 2051 2051 2051 2051 2051 2051	18.03 18.05 18.05 18.05 18.04 18.05 18.06	15.07 15.07 15.07 15.07 15.07 15.07 15.07 15.07 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.02 15.03	16.38 16.29 16.29 17.30 18.20	16.20 16.16 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.30 16.50	16.20 16.20 NA	16.12 16.05 NA NA NA NA 16.08 16.08 NA	16.24 16.15 NAA NAA NAA NAA NAA NAA NAA NAA NAA NA	16, 38 1 16, 38 1 16, 38 1 16, 31 1 16, 31 1 1 16, 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.99 16.30 NA	15.56   15.56	16.36 16.36 NA	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 16.31 16.31 16.31 16.31 16.10	16. 14 15.50 15.50 18. NA N
	Book mode (screen orientation is 90° or 270°)  Lid close  Book mode (screen orientation)	215° 265° 265° 265° 265° 265° 265° 265° 26	18.03 (19	15.07   15.07	16.28 16.28	16.20 16.10 16.10 16.10 16.10 16.10 16.20	16.20 16.20	16.12 16.05 NA NA NA NA NA NA NA NA NA NA NA NA NA	16.24 16.15 16.15 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.16 16.20	16. 38 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.592 1.592 1.592 1.502	16.56   16.56	16.36 16.36 16.36 16.36 16.36 16.00	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 1 15.00	16. 14 15 15 15 15 15 15 15 15 15 15 15 15 15
	Book mode (screen orientation is 90° or 270°)  Lid close  Book mode (screen orientation)	215° 265° 265° 265° 265° 265° 265° 265° 26	18.03 (19	15.07   15.07	16.28   16.29   16.29   16.29   16.29   16.29   16.29   16.20	16.20 16.10 16.10 16.10 16.10 16.10 16.20	16.50 MA	(6.02 ) (6.03	16.24 16.15 16.15 18.16 18.17	16.20 (6.21) (6.21) (7.	16.99 1.16.99 1.16.99 1.16.99 1.16.99 1.16.99 1.16.91	15.00 1 15.00	16.36 16.36 18.36	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16: 14   16:
	Book mode (screen orientation is 90° or 270°)  Lid close  Book mode (screen orientation)	265° 260° 270° 270° 270° 270° 270° 270° 270° 27	18.03 (18	15.07 15.07 NA	16.28 16.28 17.28	16.20 16.50 16.50 16.50 16.50 16.50 16.30	16.20 NA	(6.12 ) (6.02 ) (6.03	16.24 16.15 16.15 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.17 16.16	16.33 16.33 16.33 16.33 16.34 16.34 16.35	15:00 16:03 16:03 16:03 16:03 16:04 16:04 16:04 16:04 16:05	15.66 20 15.65 20 15.	16.35 16.35 16.35 16.35 16.35 16.36 16.36 16.30	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 1 15.00	16 14 20 20 20 20 20 20 20 20 20 20 20 20 20
	Book mode (screen orientation is 90° or 270°)  Lid close  Book mode (screen orientation)	2151 200 200 200 200 200 200 200 200 200 20	18.03 (18	15.07  NA N	16.28   16.28	16.20 16.50	16.20 NA	16.12 16.22 16.25	\$2.24 \$8.55	16.23 16.23 NAA NAA NAA NAA NAA NAA NAA NAA NAA NA	11:00 11:00	15.60 S	16.25 16.26	16.40 1 1.60 1 1	15.00 15.00	16 14 10 10 10 10 10 10 10 10 10 10 10 10 10
	Book mode (screen orientation is 90° or 270°)  Lid close  Book mode (screen orientation)	2017 2027 2027 2027 2027 2027 2027 2027	18.03 (1.03	16.07 16.07	16.28   16.28   16.28   16.23	16.20 16.50	16.20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(6.12 ) (6.25 ) (6.25 ) (7.25	\$5.24 \$4.55 \$4.55 \$4.57 \$4.57 \$4.57 \$4.57 \$4.57 \$4.57 \$4.50 \$5.27 \$5.20	16.20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16:00   16:00	15.00 S. 15.	16.25 16.35 16.30 16.00	16.40 S S S S S S S S S S S S S S S S S S S	15.00 S S S S S S S S S S S S S S S S S S	16 to 1 to
	Book mode (screen orientation is 90° or 270°)  Lid close  Book mode (screen orientation)	265 257 257 257 257 257 257 257 257 257 25	18.03 (1.00 m) (1.00	15.07 16.07	16.28   16.28   16.29   16.20	16.20   16.30	16.20 NA	(6.12 ) (6.25 ) (6.25 ) (7.25	55.24  56.15  16.15  16.15  16.17  16.17  16.17  16.17  16.17  16.10  16	16.20 (16	16:03 16:03 16:03 16:04 16:04 16:04 16:04 16:04 16:04 16:05	15.06 31 16.36 31 16.37	16.25 16.35 NA	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 21 15.	16 14 20 15 16 16 17 16
	Book mode (screen orientation is 90° or 270°)  Lid close  Book mode (screen orientation)	2017 2027 2027 2027 2027 2027 2027 2027	18.03 (1.03	16.07 16.07	16.28   16.28   16.28   16.28   16.23	16.20 16.50	16.20   16.20	(6.12 ) (6.25 ) (6.25 ) (7.25	\$5.24 \$4.55 NA NA NA NA NA NA NA NA NA NA	16.20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16:00   16:00	15.00 M	16.55 16.55	16.40 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 S S S S S S S S S S S S S S S S S S	16 14 10 10 10 10 10 10 10 10 10 10 10 10 10
	Blook mode (prosen orderation in 187 or 2707)  Lid close  Blook mode (prosen orderation is 50° or 2707)	2017 2017 2017 2017 2017 2017 2017 2017	18.03 (1.00 m) (1.00	15.07 15.07 15.07 15.07 15.07 15.00	16.28   16.28	16.20 16.50	16.20 NA	(6.12 ) (6.25 ) (6.25 ) (7.25	55.24  \$6.55  NA  NA  NA  S. 17  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	16.23 16.12 16.12 16.12 16.12 16.13	15:00 16:03 16:03 16:03 16:04 16:04 16:04 16:04 16:04 16:05	15.00 M	16.25 16.35 16.30	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 21 15.	16 14 20 15 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 17 16 17 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16
	Book mode (screen orderation is 80° or 270°)  Lid close  Book mode (screen orderation is 80° or 270°)	201 201 201 201 201 201 201 201 201 201	18.03 (1.03	15.07 16.07 16.07 16.07 16.07 16.08	16.28   16.28	16.20 16.40 16.40 17.40 18.40	16.20 NA	(6.12 ) (6.21 ) (6.21 ) (6.21 ) (7.21	15.24 18.15 18.15 18.15 18.15 18.16 18.16 18.17 18.18	16.20 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1	15:00 16:00	15.06 21 16.26 21 16.27 16.28 16.29	(6.55) (6.56) (7.57) (8.56) (8.56) (8.57) (8	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 T	16 14 20 20 20 20 20 20 20 20 20 20 20 20 20
	Blook mode (prosen orderation in 187 or 2707)  Lid close  Blook mode (prosen orderation is 50° or 2707)	261 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18.03 (1.03	15.07 16.07 18.07	16.28   16.28	16.20 16.40 16.30	16.20 NA	16.12 16.25	\$2.24 \$4.55 \$4.55 \$4.55 \$4.57 \$5.57 \$4.57 \$5.57 \$4.57 \$5.57 \$4.57 \$5.57 \$4.57 \$4.57 \$4.57 \$4.57 \$4.57 \$4.57 \$4.57 \$4.57 \$4.57 \$4.57	16.20 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1	11:00 11:00	15.00 1 15.00	16.55 16.55	16.40   16.40	15.00 1 15.00	16 14 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 17 16
	Blook mode (prosen orderation in 187 or 2707)  Lid close  Blook mode (prosen orderation is 50° or 2707)	251 251 251 251 251 251 251 251 251 251	18.03   18.03	15.07  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	16.28   16.27	16.20 1 16.20	16.20   16.20	(6.12 ) (6.25	\$5.24 \$6.55 NA NA NA NA NA NA NA NA NA NA	16.23 16.23 16.23 16.24 16.24 16.24 16.24 16.25	15:00 1 10:00	15.00 M	16.25 16.35 16.30	16.40 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00   15.00	16 to 10 to
	Blook mode (prosen orderation in 187 or 2707)  Lid close  Blook mode (prosen orderation is 50° or 2707)	201 201 201 201 201 201 201 201 201 201	18.03 18.03	15.07 15.07	16.28   16.28	16.20 16.31 16.32	16.20 NA	(6.12 ) (6.12	55.24  56.17  16.15  16.15  16.17  16	16.23 16.23 16.23 16.23 16.24 16.25 16.26	11:00   10:00	15.00 S S S S S S S S S S S S S S S S S S	(6.55) (6.56) (6	16.40   16.40	15.00   15.00	16 to 10 to
	Blook mode (prosen orderation in 187 or 2707)  Lid close  Blook mode (prosen orderation is 50° or 2707)	201 201 201 201 201 201 201 201 201 201	18.03 (1.03	15.07 NA	16.28   16.28	16.12 1 16.13	16.20 NA	16.12 16.22 16.23	\$2.24 \$8.55 NA	16.23 16.23 16.23 16.23 16.24 16.25 16.24 16.25	11-02   11-02	15.06 20 15.	16.55 16.56 16.57 16.50	16.40   16.40	15.00 1 15.00	16 to
	Blook mode (prosen orderation in 187 or 2707)  Lid close  Blook mode (prosen orderation is 50° or 2707)	251 251 251 251 251 251 251 251 251 251	18.03 18.03 18.03 18.03 18.03 18.04 18.04 18.04 18.04 18.05	15.07  MA  MA  MA  MA  MA  MA  MA  MA  MA  M	16.28   16.27	16.20 1 16.20	16.20   16.20	16.12 16.22 16.25	55.24  56.15  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	16.23 16.23 16.24 16.24 16.24 16.24 16.25	15:00 16:01 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:05	1.5 (6.2)  1.5 (6.3)	16.55 16.56 16.57 16.56 16.57 16.56 16.57 16.56 16.57 16.56 16.57 16.56 16.57 16.56 16.57 16.56 16.57 16.56 16.57 16.56	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00   15.00	16.14 3 14.25 14.2
	Book mode promo referation is 60° or 270°)  Book mode (to 20° or 270°)  Book mode (to 20° or 270°)  Book mode (to 20° or 270°)	215 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18.6.01 18.6.02 18.6.03 18.6.0	16.07 16.07	16.28   16.28	16.20 16.31 16.32 16.33	16.20 17.20	(6.12 ) (6.12	55.24  56.17  18.15  18	16.20   16.20	11:00   10:00	15.06 31 16.36 31 16.37	16.25 16.35 NA	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 T	16 to 10 to
	Book mode protein referation in 60° or 20°0')  Lid close  Book mode protein referation in 60° or 20°0')  Book mode protein referation in 60° or 20°0')  Lid close  Lid close in the contraction in 60° or 20°0')	201 201 201 201 201 201 201 201 201 201	18.03   18.03	16.07 16.07	16.28   16.28	16.20   16.20	16.20 NA	(6.12 ) (6.12	55.24  \$6.55  \$6.55  \$6.57  \$6	16.20   16.20	16:03 16:03 16:03 16:04 16:04 16:04 16:04 16:04 16:04 16:05	15.00 S S S S S S S S S S S S S S S S S S	16.25 16.35 16.35 16.30 16.00	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 21 15.	16 14 0 1 16 14 0 16 14 16 14 16 14 16 14 16 16 16 16 16 16 16 16 16 16 16 16 16
	Book mode process netration is 80° of 20°07)  Lid close  Book mode process netration is 80° of 270°7)  Book mode process netration is 80° of 270°7)  Lid close  Book mode process netration is 80° of 270°7)	215 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18.0 C	16.07 16.07	16.28   16.29   16.20	16.20 16.31 16.31 16.31 16.31 16.31 16.31 16.31 16.31 16.31 16.32	16.20 NA	(6.12 ) (6.25 ) (6.25 ) (7.25	55.24  56.25  56.26  56.37  56	16.23 16.23 16.23 16.23 16.24 16.24 16.24 16.24 16.25	16:00 16:01 16:03 16:04 16:04 16:04 16:04 16:04 16:05	15.06 31 16.36 31 16.37	16.25 16.35 16.30 16.00	16.40   16.40	15.00 T	16 14 20 16 16 17 16 16 17 16
	Blook mode brown releasible is 60° or 20°0)  Blook mode forces needs of the second process	2017 2017 2017 2017 2017 2017 2017 2017	18.6.01 18.6.02 18.6.03 18.6.0	15.07 15.07	16.28   16.28	16.20 16.31 16.32 16.33 16.34	16.20 17.20	(6.12 ) (6.12	55.24  56.25  56.26  56.37  56.37  56.37  56.37  56.30  56	16.20   16.20	11:00   1	15.96 31 15.97 15.	16.25 16.35 16.35 16.30 16.00	16.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.00 T	16 14 20 15 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 17 16
	Book mode process netration is 80° of 20°07)  Lid close  Book mode process netration is 80° of 270°7)  Book mode process netration is 80° of 270°7)  Lid close  Book mode process netration is 80° of 270°7)	201	18.03 18.03 18.03 18.03 18.03 18.04 18.06 18.06 18.06 18.06 18.07	15.07 15.07 16.07	16.28   16.28	16.20 16.40 16.30	16.20 NA	16.12 16.22 16.23	55.24  56.25  56.26  56.37  56.37  56.37  56.37  56.30  56	16:30 16:30	11-00 11-00	15.06 20 15.	16.55 16.50	16.40   16.40	15.00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16 14 20 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18
	Blook mode brown releasible is 60° or 20°0)  Blook mode forces needs of the second process	2017 2017 2017 2017 2017 2017 2017 2017	18.6.01 18.6.02 18.6.03 18.6.0	15.07  16	16.28   16.28	16.20   16.20	16.20   16.20	(6.12 ) (6.12 ) (6.12 ) (6.12 ) (7.12	\$1.24   \$1.24   \$1.25	16.20   16.20	15:00 16:01 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:04 16:05 16:06	15.00 M	16.25 16.35 16.30	16.40   16.40	15.00 J. 15.	16 to

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Page: 30 of 170

### 0.0 1000 1111

§ 2.1093(d)(1)

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

Radiofrequency radiation exposure limits.

### § 1.1310(a)

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

### § 1.1310(b)

The SAR limits for occupational/controlled exposure are 0.4 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 8 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit for occupational/controlled exposure is 20 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 6 minutes to determine compliance with occupational/controlled SAR limits. § 1.1310(c)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 30 minutes to determine compliance with general population/uncontrolled SAR limits.

## Note to paragraphs (a) through (c):

SAR is a measure of the rate of energy absorption due to exposure to RF electromagnetic energy. These SAR limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized SAR in <a href="Section 4.2">Section 4.2</a> 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, <a href="Section 17.4.5">Section 17.4.5</a>, copyright 1986 by NCRP, Bethesda, Maryland 20814. Limits for whole body SAR and peak spatial-average SAR are based

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Page: 31 of 170

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  $\S 1.1310(e)(1)$ .

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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Page: 32 of 170

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 Occupational/Controlled Exposure								
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 § 1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

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Page: 33 of 170

# **MAXIMUM OUTPUT POWER**

#### 6.1 **WLAN**

### Tablet mode

	_		Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		18.50	18.45
	802.11b	6	2437	1Mbps	18.50	18.39
		11	2462		18.50	18.46
		1	2412		18.00	17.92
	802.11g	6	2437	6Mbps	18.50	18.34
		11	2462		18.50	18.36
		1	2412		17.50	17.38
	802.11n20-HT0	6	2437	MCS0	18.50	18.37
		11	2462		18.50	18.35
		1	2412	MCS0	17.50	17.39
	802.11ac20-VHT0	6	2437		18.50	18.44
		11	2462		18.50	18.42
		1	2412	MCS0	17.50	17.32
	802.11ax20-HE0	6	2437		18.50	18.44
0.45011		11	2462	1	18.50	18.28
2.45GHz		1	2412	MCS0	17.50	17.38
	802.11be20-EHT0	6	2437		18.50	18.37
		11	2462		18.50	18.39
	802.11n40-HT0	3	2422	MCS0	16.00	15.78
		6	2437		18.50	18.38
		9	2452		17.50	17.30
		3	2422	MCS0	16.00	15.87
	802.11ac40-VHT0	6	2437		18.50	18.25
		9	2452		17.50	17.31
		3	2422	MCS0	16.00	15.84
	802.11ax40-HE0	6	2437		18.50	18.36
		9	2452		17.50	17.27
	802.11be40-EHT0	3	2422	MCS0	16.00	15.86
		6	2437		18.50	18.31
		9	2452		17.50	17.36

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Page: 34 of 170

			Tx1			
			171			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		16.50	16.31
	000 44 -	40	5200	OM II	16.50	16.35
	802.11a	44	5220	6Mbps	16.50	16.29
		48	5240	-	16.50	16.37
		36	5180		16.50	16.39
	802.11n20-HT0	40	5200	MCCO	16.50	16.42
	802.11N20-H10	44	5220	MCS0	16.50	16.45
		48	5240	=	16.50	16.46
		36	5180		16.50	16.33
	000 44aa00 \/LITO	40	5200	MCCO	16.50	16.42
	802.11ac20-VHT0	44	5220	MCS0	16.50	16.31
		48	5240		16.50	16.33
	802.11ax20-HE0	36	5180	MCS0	16.50	16.40
		40	5200		16.50	16.39
		44	5220		16.50	16.38
		48	5240		16.50	16.35
5.15-5.25 GHz	802.11be20-EHT0	36	5180	- MCS0	16.50	16.38
5.15-5.25 GHZ		40	5200		16.50	16.36
	602.11be20-EH10	44	5220		16.50	16.33
		48	5240		16.50	16.29
	802.11n40-HT0	38	5190	MCS0	16.50	16.38
		46	5230		16.50	16.45
	802.11ac40-VHT0	38	5190	MCS0	16.50	16.41
		46	5230		16.50	16.29
	802.11ax40-HE0	38	5190	MCS0	16.50	16.27
	802.118X40-FEU	46	5230		16.50	16.37
	802.11be40-EHT0	38	5190	MCS0	16.50	16.38
		46	5230		16.50	16.42
	802.11ac80-VHT0	42	5210	MCS0	16.50	16.47
	802.11ax80-HE0	42	5210	MCS0	16.50	16.41
	802.11be80-EHT0	42	5210	MCS0	16.50	16.40
	802.11ac160-VHT0	50	5250	MCS0	15.00	14.83
	802.11ax160-HE0	50	5250	MCS0	15.00	14.93
	802.11be160-EHT0	50	5250	MCS0	15.00	14.85

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Page: 35 of 170

	1		Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		16.50	16.12
	802.11a	56	5280	6Mbpa	16.50	16.15
	002.11d	60	5300	- 6Mbps	16.50	16.14
		64	5320		16.50	16.06
		52	5260		16.50	16.08
	802.11n20-HT0	56	5280	MCS0	16.50	16.10
	602.111120 <del>-</del> 1110	60	5300	IVICSU	16.50	16.12
		64	5320		16.50	16.16
	802.11ac20-VHT0	52	5260	- MCS0	16.50	16.05
		56	5280		16.50	16.17
		60	5300		16.50	16.06
		64	5320		16.50	16.20
	802.11ax20-HE0	52	5260	MCS0	16.50	16.19
		56	5280		16.50	16.09
		60	5300		16.50	16.08
5.25-5.35 GHz		64	5320		16.50	16.05
	802.11be20-EHT0	52	5260	MCS0	16.50	16.20
		56	5280		16.50	16.19
		60	5300		16.50	16.21
		64	5320		16.50	16.06
	802.11n40-HT0	54	5270	MCS0	16.50	16.04
		62	5310		16.50	16.16
	802.11ac40-VHT0	54	5270	MCS0	16.50	16.23
		62	5310	IVIOOU	16.50	16.05
	802.11ax40-HE0	54	5270	MCS0	16.50	16.15
		62	5310		16.50	16.09
	802.11be40-EHT0	54	5270	MCS0	16.50	16.20
		62	5310	IVIOOU	16.50	16.16
	802.11ac80-VHT0	58	5290	MCS0	16.50	16.24
	802.11ax80-HE0	58	5290	MCS0	16.50	16.05
	802.11be80-EHT0	58	5290	MCS0	16.50	16.19

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Page: 36 of 170

•			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		16.50	16.34
	902.446	120	5600	6Mbps	16.50	16.28
	802.11a	140	5700		16.50	16.17
		144	5720		16.50	16.20
		100	5500	MCS0	16.50	16.24
	802.11n20-HT0	120	5600		16.50	16.22
	602.111120-H10	140	5700	IVICSU	16.50	16.28
		144	5720		16.50	16.24
		100	5500		16.50	16.21
	902 44 a 20 V/HT0	120	5600	MCCO	16.50	16.18
	802.11ac20-VHT0	140	5700	MCS0	16.50	16.25
		144	5720		16.50	16.26
		100	5500		16.50	16.17
	000 44 00 1150	120	5600	M000	16.50	16.21
	802.11ax20-HE0	140	5700	MCS0	16.50	16.31
		144	5720	1	16.50	16.34
		100	5500	MCS0	16.50	16.27
		120	5600		16.50	16.24
	802.11be20-EHT0	140	5700		16.50	16.15
		144	5720		16.50	16.16
		102	5510	MCS0	16.50	16.25
		118	5590		16.50	16.18
	802.11n40-HT0	134	5670		16.50	16.27
		142	5710		16.50	16.19
5.6GHz		102	5510		16.50	16.28
		118	5590	MCS0	16.50	16.29
	802.11ac40-VHT0	134	5670		16.50	16.25
		142	5710		16.50	16.30
		102	5510		16.50	16.33
		118	5590	MCS0	16.50	16.35
	802.11ax40-HE0	134	5670		16.50	16.17
		142	5710		16.50	16.15
		102	5510		16.50	16.32
		118	5590		16.50	16.27
	802.11be40-EHT0	134	5670	MCS0	16.50	16.15
		142	5710	1	16.50	16.17
		106	5530		16.50	16.48
	802.11ac80-VHT0	122	5610	MCS0	16.50	16.35
		138	5690		16.50	16.30
		106	5530	MCS0	16.50	16.25
	802.11ax80-HE0	122	5610		16.50	16.22
		138	5690		16.50	16.24
		106	5530	MCS0	16.50	16.25
	802.11be80-EHT0	122	5610		16.50	16.16
		138	5690		16.50	16.31
	802.11ac160-VHT0	114	5570	MCS0	16.00	15.73
	802.11ax160-HE0	114	5570	MCS0	16.00	15.73
	802.11be160-EHT0	114	5570	MCS0	16.00	15.80

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Page: 37 of 170

			 Tx1			
			X   			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		16.50	16.11
	802.11a	157	5785	6Mbps	16.50	16.19
		165	5825	=	16.50	16.15
		149	5745		16.50	16.10
	802.11n20-HT0	157	5785	MCS0	16.50	16.09
		165	5825		16.50	16.03
		149	5745		16.50	16.15
	802.11ac20-VHT0	157	5785	MCS0	16.50	16.07
		165	5825		16.50	16.18
		149	5745		16.50	16.13
	802.11ax20-HE0	157	5785	MCS0	16.50	16.14
		165	5825		16.50	16.09
5 0OH-		149	5745		16.50	16.11
5.8GHz	802.11be20-EHT0	157	5785	MCS0	16.50	16.20
		165	5825		16.50	16.22
	802.11n40-HT0	151	5755	MCS0	16.50	16.04
	802.11N4U-H1U	159	5795	IVICSU	16.50	16.18
	802.11ac40-VHT0	151	5755	MCS0	16.50	16.12
	802.11ac40-VH10	159	5795	IVICSU	16.50	16.07
	902 11av40 UE0	151	5755	M000	16.50	16.11
	802.11ax40-HE0	159	5795	MCS0	16.50	16.13
	802.11be40-EHT0	151	5755	MCS0	16.50	16.09
	002.11DE4U-EF1U	159	5795	IVICSU	16.50	16.22
	802.11ac80-VHT0 155 5775 MCS0	16.50	16.23			
	802.11ax80-HE0	155	5775	MCS0	16.50	16.08
	802.11be80-EHT0	155	5775	MCS0	16.50	16.03

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Page: 38 of 170

			Tud			
			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		16.50	16.12
	802.11a	173	5865	6Mbps	16.50	16.18
		177	5885		16.50	16.26
		169	5845		16.50	16.14
	802.11n20-HT0	173	5865	MCS0	16.50	16.24
		177	5885		16.50	16.25
		169	5845		16.50	16.23
	802.11ac20-VHT0	173	5865	MCS0	16.50	16.21
		177	5885	-	16.50	16.29
		169	5845		16.50	16.28
	802.11ax20-HE0	173	5865	MCS0	16.50	16.21
		177	5885	-	16.50	16.26
		169	5845		16.50	16.20
	802.11be20-EHT0	173	5865	MCS0	16.50	16.30
5.9GHz		177	5885		16.50	16.29
	802.11n40-HT0	167	5835	MCS0	16.50	16.22
	002.111 <del>14</del> 0-H10	175	5875	IVICSU	16.50	16.19
	802.11ac40-VHT0	167	5835	MCS0	16.50	16.25
	002.11ac40-VH10	175	5875	IVICSU	16.50	16.18
	802.11ax40-HE0	167	5835	MCS0	16.50	16.17
	002.11dX40-FIEU	175	5875	MCSU	16.50	16.14
	802.11be40-EHT0	167	5835	MCS0	16.50	16.16
	002.110 <del>04</del> 0-EH10	175	5875	IVICOU	16.50	16.25
	802.11ac80-VHT0	171	5855	MCS0	16.50	16.13
	802.11ax80-HE0	171	5855	MCS0	16.50	16.15
	802.11be80-EHT0	171	5855	MCS0	16.50	16.22
	802.11ac160-VHT0	163	5815	MCS0	16.50	16.31
	802.11ax160-HE0	163	5815	MCS0	16.50	16.18
	802.11be160-EHT0	163	5815	MCS0	16.50	16.15

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Page: 39 of 170

			Tx2	T		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		18.50	18.42
	802.11b	6	2437	1Mbps	18.50	18.46
		11	2462		18.50	18.35
		1	2412		18.00	17.78
	802.11g	6	2437	6Mbps	18.50	18.23
		11	2462		18.50	18.32
		1	2412		17.50	17.31
	802.11n20-HT0	6	2437	MCS0	18.50	18.35
		11	2462		18.50	18.27
		1	2412		17.50	17.37
	802.11ac20-VHT0	6	2437	MCS0	18.50	18.38
		11	2462		18.50	18.33
		1	2412		17.50	17.36
	802.11ax20-HE0	6	2437	MCS0	18.50	18.34
0.45011-		11	2462		18.50	18.22
2.45GHz		1	2412		17.50	17.29
	802.11be20-EHT0	6	2437	MCS0	18.50	18.41
		11	2462		18.50	18.24
		3	2422		16.00	15.73
	802.11n40-HT0	6	2437	MCS0	18.50	18.25
		9	2452		17.50	17.26
		3	2422		16.00	15.73
	802.11ac40-VHT0	6	2437	MCS0	18.50	18.31
		9	2452		17.50	17.40
		3	2422		16.00	15.78
	802.11ax40-HE0	6	2437	MCS0	18.50	18.40
		9	2452		17.50	17.31
		3	2422		16.00	15.81
	802.11be40-EHT0	6	2437	MCS0	18.50	18.22
		9	2452		17.50	17.30

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Page: 40 of 170

			Tx2	T .		
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		16.50	16.15
	000.445	40	5200	CNAhma	16.50	16.03
	802.11a	44	5220	6Mbps	16.50	16.08
		48	5240		16.50	16.20
		36	5180		16.50	16.21
	002 44×20 LITO	40	5200	MCCO	16.50	16.12
	802.11n20-HT0	44	5220	MCS0	16.50	16.14
		48	5240		16.50	16.06
		36	5180		16.50	16.22
	802.11ac20-VHT0	40	5200	MCS0	16.50	16.24
	002.11ac20-VH10	44	5220	IVICSU	16.50	16.04
		48	5240		16.50	16.21
		36	5180		16.50	16.09
	802.11ax20-HE0	40	5200	MCS0	16.50	16.23
	502.11ax20-11L0	44	5220	IVICSU	16.50	16.08
		48	5240		16.50	16.14
5.15-5.25 GHz		36	5180		16.50	16.12
5.15-5.25 GHZ	802.11be20-EHT0	40	5200	MCS0	16.50	16.13
	602.11be20-EH10	44	5220	IVICSU	16.50	16.21
		48	5240		16.50	16.18
	802.11n40-HT0	38	5190	MCS0	16.50	16.13
	802.11140-1110	46	5230	MCSU	16.50	16.16
	802.11ac40-VHT0	38	5190	MCS0	16.50	16.17
	002.11ac40-V1110	46	5230	MCSU	16.50	16.16
	802.11ax40-HE0	38	5190	MCS0	16.50	16.03
	002.11ax40-FIE0	46	5230	MCSU	16.50	16.19
	802.11be40-EHT0	38	5190	MCS0	16.50	16.12
	002.110 <del>04</del> 0-EH10	46	5230	IVICOU	16.50	16.18
	802.11ac80-VHT0	42	5210	MCS0	16.50	16.26
	802.11ax80-HE0	42	5210	MCS0	16.50	16.15
	802.11be80-EHT0	42	5210	MCS0	16.50	16.20
	802.11ac160-VHT0	50	5250	MCS0	15.00	14.62
	802.11ax160-HE0	50	5250	MCS0	15.00	14.67
	802.11be160-EHT0	50	5250	MCS0	15.00	14.65

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www.sgs.com.tw



Page: 41 of 170

			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		16.50	16.43
	802.11a	56	5280	6Mbps	16.50	16.42
	002.11a	60	5300	Olvibbs	16.50	16.46
		64	5320		16.50	16.41
		52	5260		16.50	16.45
	802.11n20-HT0	56	5280	MCS0	16.50	16.40
	802.111120 <del>-</del> 1110	60	5300	IVICSU	16.50	16.43
		64	5320		16.50	16.28
		52	5260		16.50	16.44
	802.11ac20-VHT0	56	5280	MCS0	16.50	16.47
	002.11ac20-V1110	60	5300		16.50	16.40
		64	5320		16.50	16.46
		52	5260		16.50	16.36
	802.11ax20-HE0	56	5280	MCS0	16.50	16.40
	002.118A20-11L0	60	5300	IVICOU	16.50	16.41
5.25-5.35 GHz		64	5320		16.50	16.28
		52	5260		16.50	16.29
	802.11be20-EHT0	56	5280	MCS0	16.50	16.41
	002.11be20-L1110	60	5300	IVICOU	16.50	16.29
		64	5320		16.50	16.35
	802.11n40-HT0	54	5270	MCS0	16.50	16.38
	002.11140-1110	62	5310	WOOO	16.50	16.36
	802.11ac40-VHT0	54	5270	MCS0	16.50	16.32
	302.11d040 V1110	62	5310	141000	16.50	16.38
	802.11ax40-HE0	54	5270	MCS0	16.50	16.47
602.11ax40-HEC	002.11aA+0-11L0	62	5310	IVIOOU	16.50	16.29
	802.11be40-EHT0	54	5270	MCS0	16.50	16.44
	502.1150 <del>4</del> 0-E1110	62	5310		16.50	16.28
	802.11ac80-VHT0	58	5290	MCS0	16.50	16.48
	802.11ax80-HE0	58	5290	MCS0	16.50	16.37
	802.11be80-EHT0	58	5290	MCS0	16.50	16.45

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Page: 42 of 170

			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		16.50	16.29
	802.11a	120	5600	6Mbpc	16.50	16.38
	002.11a	140	5700	6Mbps	16.50	16.41
		144	5720		16.50	16.36
		100	5500		16.50	16.39
	802.11n20-HT0	120	5600	MCCO	16.50	16.36
	802.11N20-H10	140	5700	MCS0	16.50	16.29
		144	5720		16.50	16.37
		100	5500		16.50	16.32
	000 44 00 1/1/170	120	5600		16.50	16.38
	802.11ac20-VHT0	140	5700	MCS0	16.50	16.39
		144	5720		16.50	16.33
		100	5500		16.50	16.26
		120	5600		16.50	16.24
	802.11ax20-HE0	140	5700	MCS0	16.50	16.25
		144	5720		16.50	16.29
		100	5500		16.50	16.32
	-	120	5600		16.50	16.28
	802.11be20-EHT0	140	5700	MCS0	16.50	16.41
	-	144	5720		16.50	16.36
		102	5510		16.50	16.24
	-				16.50	
	802.11n40-HT0	118	5590	MCS0		16.36
	-	134 142	5670 5710	1	16.50 16.50	16.29 16.38
5.6GHz		102	5510			
	-				16.50	16.32
	802.11ac40-VHT0	118	5590	MCS0	16.50	16.40
	-	134	5670		16.50	16.35
		142	5710		16.50	16.42
	-	102	5510		16.50	16.39
	802.11ax40-HE0	118	5590	MCS0	16.50	16.26
		134	5670		16.50	16.38
		142	5710		16.50	16.30
		102	5510	4	16.50	16.29
	802.11be40-EHT0	118	5590	MCS0	16.50	16.32
		134	5670	4	16.50	16.28
		142	5710		16.50	16.26
		106	5530	1	16.50	16.39
	802.11ac80-VHT0	122	5610	MCS0	16.50	16.44
		138	5690		16.50	16.49
		106	5530	1	16.50	16.36
	802.11ax80-HE0	122	5610	MCS0	16.50	16.27
		138	5690		16.50	16.40
		106	5530	1	16.50	16.25
	802.11be80-EHT0	122	5610	MCS0	16.50	16.38
		138	5690		16.50	16.32
	802.11ac160-VHT0	114	5570	MCS0	16.00	15.84
	802.11ax160-HE0	114	5570	MCS0	16.00	15.81
	802.11be160-EHT0	114	5570	MCS0	16.00	15.82

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Page: 43 of 170

			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		16.50	16.27
	802.11a	157	5785	6Mbps	16.50	16.29
		165	5825		16.50	16.17
		149	5745		16.50	16.16
	802.11n20-HT0	157	5785	MCS0	16.50	16.25
		165	5825		16.50	16.15
		149	5745		16.50	16.31
	802.11ac20-VHT0	157	5785	MCS0	16.50	16.13
		165	5825	-	16.50	16.18
		149	5745		16.50	16.28
	802.11ax20-HE0	157	5785	MCS0	16.50	16.31
		165	5825		16.50	16.24
5.8GHz		149	5745		16.50	16.29
5.8GHZ	802.11be20-EHT0	157	5785	MCS0	16.50	16.12
		165	5825		16.50	16.16
	802.11n40-HT0	151	5755	MCS0	16.50	16.25
	802.111140-H10	159	5795	IVICSU	16.50	16.17
	000 44 40 \/UT0	151	5755	MCS0	16.50	16.29
	802.11ac40-VHT0	159	5795	MCSU	16.50	16.23
	902 11ay/10 UE0	151	5755	MCS0	16.50	16.22
	802.11ax40-HE0 802.11be40-EHT0	159	5795	INICSU	16.50	16.27
		151	5755	MCS0	16.50	16.22
	002.11DE4U-EF1U	159	5795	IVICSU	16.50	16.25
	802.11ac80-VHT0 155 5775 MCS0	16.50	16.32			
	802.11ax80-HE0	155	5775	MCS0	16.50	16.24
	802.11be80-EHT0	155	5775	MCS0	16.50	16.17

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Page: 44 of 170

			Tv0			
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		16.50	16.17
	802.11a	173	5865	6Mbps	16.50	16.07
		177	5885		16.50	16.11
		169	5845		16.50	16.18
	802.11n20-HT0	173	5865	MCS0	16.50	16.17
		177	5885		16.50	16.16
		169	5845		16.50	16.04
	802.11ac20-VHT0	173	5865	MCS0	16.50	16.08
		177	5885	-	16.50	16.03
		169	5845		16.50	16.08
	802.11ax20-HE0	173	5865	MCS0	16.50	16.09
		177	5885	-	16.50	16.04
		169	5845		16.50	16.04
	802.11be20-EHT0	173	5865	MCS0	16.50	16.03
5.9GHz		177	5885		16.50	16.09
	802.11n40-HT0	167	5835	MCS0	16.50	16.16
	002.111 <del>14</del> 0-H10	175	5875	IVICSU	16.50	16.22
	802.11ac40-VHT0	167	5835	MCS0	16.50	16.17
	002.11ac40-VH10	175	5875	IVICSU	16.50	16.14
	802.11ax40-HE0	167	5835	MCS0	16.50	16.03
	002.11dX40-FIEU	175	5875	MCSU	16.50	16.18
	802.11be40-EHT0	167	5835	MCS0	16.50	16.16
	002.110 <del>04</del> 0-EH10	175	5875	IVICOU	16.50	16.14
	802.11ac80-VHT0	171	5855	MCS0	16.50	16.06
	802.11ax80-HE0	171	5855	MCS0	16.50	16.06
	802.11be80-EHT0	171	5855	MCS0	16.50	16.04
	802.11ac160-VHT0	163	5815	MCS0	16.50	16.23
	802.11ax160-HE0	163	5815	MCS0	16.50	16.06
	802.11be160-EHT0	163	5815	MCS0	16.50	16.17

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Page: 45 of 170

## Notebook mode

Notebook mode	•		Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		22.50	22.45
	802.11b	6	2437	1Mbps	22.50	22.40
		11	2462		22.50	22.49
		1	2412		18.00	17.90
	802.11g	6	2437	6Mbps	21.50	21.44
		11	2462		18.50	18.43
		1	2412		17.50	17.31
	802.11n20-HT0	6	2437	MCS0	21.50	21.30
		11	2462		18.50	18.33
		1	2412		17.50	17.44
	802.11ac20-VHT0	6	2437	MCS0	21.50	21.40
		11	2462		18.50	18.37
		1	2412		17.50	17.41
	802.11ax20-HE0	6	2437	MCS0	21.50	21.42
2.45GHz		11	2462		18.50	18.41
2.40GHZ		1	2412		17.50	17.30
	802.11be20-EHT0	6	2437	MCS0	21.50	21.42
		11	2462	]	18.50	18.44
		3	2422		16.00	15.89
	802.11n40-HT0	6	2437	MCS0	19.50	19.28
		9	2452	]	17.50	17.29
		3	2422		16.00	15.80
	802.11ac40-VHT0	6	2437	MCS0	19.50	19.35
		9	2452	]	17.50	17.30
		3	2422	MCS0	16.00	15.86
	802.11ax40-HE0	6	2437		19.50	19.29
		9	2452		17.50	17.25
		3	2422		16.00	15.92
	802.11be40-EHT0	6	2437	MCS0	19.50	19.25
		9	2452		17.50	17.33

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Page: 46 of 170

			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		21.00	20.92
	000.44	40	5200	0.4	21.50	21.39
	802.11a	44	5220	6Mbps	21.50	21.41
		48	5240	1	21.50	21.48
		36	5180		20.00	19.80
	000 44 = 00 LITO	40	5200	MO00	21.50	21.33
	802.11n20-HT0	44	5220	MCS0	21.50	21.24
		48	5240	1	21.50	21.31
		36	5180		20.00	19.86
	000 44 c c 20 \ // ITO	40	5200	MCS0	21.50	21.33
	802.11ac20-VHT0	44	5220	IVICSU	21.50	21.21
		48	5240	]	21.50	21.30
		36	5180		20.00	19.89
	000 44 0 00 1 150	40	5200	MCS0	21.50	21.32
	802.11ax20-HE0	44	5220	IVICSU	21.50	21.36
		48	5240	1	21.50	21.35
E 4E E 0E OLL-		36	5180		20.00	19.78
5.15-5.25 GHz	000 445 -00 EUTO	40	5200	Moss	21.50	21.29
	802.11be20-EHT0	44	5220	MCS0	21.50	21.25
		48	5240	]	21.50	21.30
	000 44 - 40 LITO	38	5190	MOCO	19.00	18.81
	802.11n40-HT0	46	5230	MCS0	21.00	20.79
	000 44 cc 40 \ // ITO	38	5190	MCCO	19.00	18.86
	802.11ac40-VHT0	46	5230	MCS0	21.00	20.76
	000 44 40 1 150	38	5190	MOGO	19.00	18.82
	802.11ax40-HE0	46	5230	MCS0	21.00	20.75
	000 441 . 40 5150	38	5190	14000	19.00	18.71
	802.11be40-EHT0	46	5230	MCS0	21.00	20.73
	802.11ac80-VHT0	42	5210	MCS0	17.50	17.30
	802.11ax80-HE0	42	5210	MCS0	17.50	17.35
	802.11be80-EHT0	42	5210	MCS0	17.50	17.24
	802.11ac160-VHT0	50	5250	MCS0	15.00	14.73
	802.11ax160-HE0	50	5250	MCS0	15.00	14.90
	802.11be160-EHT0	50	5250	MCS0	15.00	14.87

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Page: 47 of 170

			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		21.50	21.47
	000 44 -	56	5280	CN 41	21.50	21.42
	802.11a	60	5300	6Mbps	21.50	21.31
		64	5320	]	21.00	20.77
		52	5260		21.50	21.23
	000 44 ~ 00 LITO	56	5280	MCCO	21.50	21.40
	802.11n20-HT0	60	5300	MCS0	21.50	21.26
		64	5320		20.00	19.75
		52	5260		21.50	21.25
	000 44 a 200 \ // ITO	56	5280	MCCO	21.50	21.34
	802.11ac20-VHT0	60	5300	MCS0	21.50	21.22
		64	5320		20.00	19.75
		52	5260		21.50	21.24
	802.11ax20-HE0	56	5280	MCS0	21.50	21.25
	002.11ax20-HEU	60	5300	IVICSU	21.50	21.31
5.25-5.35 GHz		64	5320		20.00	19.82
		52	5260		21.50	21.23
	000 445 - 00 FLITO	56	5280	Moss	21.50	21.27
	802.11be20-EHT0	60	5300	MCS0	21.50	21.28
		64	5320	]	20.00	19.73
	902 11c40 UTO	54	5270	MCS0	21.00	20.73
	802.11n40-HT0	62	5310	IVICSU	18.50	18.24
	000 44 co 40 \// ITO	54	5270	MCS0	21.00	20.84
	802.11ac40-VHT0	62	5310	IVICSU	18.50	18.33
	902 110×40 UE0	54	5270	MCCO	21.00	20.83
	802.11ax40-HE0	62	5310	MCS0	18.50	18.23
	902 11hc40 EUT0	54	5270	MCS0	21.00	20.91
	802.11be40-EHT0	62	5310		18.50	18.24
	802.11ac80-VHT0	58	5290	MCS0	18.00	17.83
	802.11ax80-HE0	58	5290	MCS0	18.00	17.90
	802.11be80-EHT0	58	5290	MCS0	18.00	17.72

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台灣檢驗科技股份有限公司



Page: 48 of 170

			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		20.50	20.44
	000.44	120	5600	1 014	21.50	21.42
	802.11a	140	5700	- 6Mbps	19.00	18.93
		144	5720		21.00	20.86
		100	5500		19.50	19.41
	002 44×20 LITO	120	5600	MCS0	21.50	21.26
	802.11n20-HT0	140	5700	I IVICSU	19.00	18.77
		144	5720		21.50	21.35
		100	5500		19.50	19.36
	802.11ac20-VHT0	120	5600	MCS0	21.50	21.25
	602.11ac20-VH10	140	5700	IVICSU	19.00	18.77
		144	5720		21.50	21.32
		100	5500		19.50	19.42
	000 445,00 UE0	120	5600	1 1	21.50	21.34
	802.11ax20-HE0	140	5700	MCS0	19.00	18.91
		144	5720		21.50	21.33
		100	5500		19.50	19.42
	802.11be20-EHT0	120	5600	MCS0	21.50	21.36
	802.11be20-EH10	140	5700		19.00	18.77
		144	5720		21.50	21.32
		102	5510		18.00	17.94
	002 44×40 LITO	118	5590	MCS0	21.00	20.97
	802.11n40-HT0	134	5670	IVICSU	20.00	19.91
5.6GHz		142	5710		21.50	21.48
3.6GHZ		102	5510		18.00	17.85
	802.11ac40-VHT0	118	5590	MCS0	21.00	20.82
	602.11ac40-VH10	134	5670	IVICSU	20.00	19.87
		142	5710		21.50	21.32
		102	5510		18.00	17.76
	802.11ax40-HE0	118	5590	MCS0	21.00	20.75
	002.11ax40-HEU	134	5670	IVICSU	20.00	19.82
		142	5710		21.50	21.38
		102	5510		18.00	17.76
	802.11be40-EHT0	118	5590	MCS0	21.00	20.89
	002.11be40-L1110	134	5670	IVICOU	20.00	19.91
		142	5710		21.50	21.43
		106	5530	_	18.00	17.89
	802.11ac80-VHT0	122	5610	MCS0	20.50	20.35
	802.11ax80-HE0	138	5690		21.00	20.89
		106	5530	]	18.00	17.94
		122	5610	MCS0	20.50	20.42
		138	5690		21.00	20.93
		106	5530	]	18.00	17.90
	802.11be80-EHT0	122	5610	MCS0	20.50	20.41
		138	5690		21.00	20.79
	802.11ac160-VHT0	114	5570	MCS0	16.00	15.81
	802.11ax160-HE0	114	5570	MCS0	16.00	15.82
	802.11be160-EHT0	114	5570	MCS0	16.00	15.92

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SGS Taiwan Ltd.



Page: 49 of 170

			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		22.50	22.45
	802.11a	157	5785	6Mbps	22.50	22.43
		165	5825	1	22.50	22.35
		149	5745		22.50	22.32
	802.11n20-HT0	157	5785	MCS0	22.50	22.36
		165	5825	]	22.50	22.31
		149	5745		22.50	22.32
	802.11ac20-VHT0	157	5785	MCS0	22.50	22.44
		165	5825	]	22.50	22.28
		149	5745		22.50	22.34
	802.11ax20-HE0	157	5785	MCS0	22.50	22.25
		165	5825		22.50	22.33
5.8GHz		149	5745		22.50	22.29
5.86H2	802.11be20-EHT0	157	5785	MCS0	22.50	22.34
		165	5825	]	22.50	22.41
	000 44 - 40 LITO	151	5755	MOCO	21.50	21.38
	802.11n40-HT0	159	5795	MCS0	21.50	21.32
	000 44 40 \// ITO	151	5755	MOCO	21.50	21.40
	802.11ac40-VHT0	159	5795	MCS0	21.50	21.44
	000 44 40 1 150	151	5755	MOCO	21.50	21.41
	802.11ax40-HE0	159	5795	MCS0	21.50	21.39
	000 44h - 40 ELTO	151	5755	MCCO	21.50	21.32
	802.11be40-EHT0	159	5795	MCS0	21.50	21.28
	802.11ac80-VHT0	155	5775	MCS0	20.50	20.31
	802.11ax80-HE0	155	5775	MCS0	20.50	20.38
	802.11be80-EHT0	155	5775	MCS0	20.50	20.35

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Page: 50 of 170

		ı	Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		20.00	19.78
	802.11a	173	5865	6Mbps	20.00	19.76
		177	5885		20.00	19.92
		169	5845		20.00	19.81
	802.11n20-HT0	173	5865	MCS0	20.00	19.91
		177	5885	1	18.00	17.82
		169	5845		20.00	19.83
	802.11ac20-VHT0	173	5865	MCS0	20.00	19.78
		177	5885	1	18.00	17.89
		169	5845		20.00	19.91
	802.11ax20-HE0	173	5865	MCS0	20.00	19.76
		177	5885	1	18.00	17.84
		169	5845		20.00	19.81
	802.11be20-EHT0	173	5865	MCS0	20.00	19.76
5.9GHz		177	5885	]	18.00	17.90
	000 44 - 40 LITO	167	5835	MOCO	21.50	21.21
	802.11n40-HT0	175	5875	MCS0	21.50	21.47
	000 44 40 \ // ITO	167	5835	MOCO	21.50	21.42
	802.11ac40-VHT0	175	5875	MCS0	21.50	21.32
	000 44 av 40 LIFO	167	5835	MCCO	21.50	21.43
	802.11ax40-HE0	175	5875	MCS0	21.50	21.32
	000 445 - 40 EUTO	167	5835	MOCO	21.50	21.44
	802.11be40-EHT0	175	5875	MCS0	21.50	21.37
	802.11ac80-VHT0	171	5855	MCS0	21.00	20.94
	802.11ax80-HE0	171	5855	MCS0	21.00	20.91
	802.11be80-EHT0	171	5855	MCS0	21.00	20.88
	802.11ac160-VHT0	163	5815	MCS0	18.50	18.32
	802.11ax160-HE0	163	5815	MCS0	18.50	18.42
	802.11be160-EHT0	163	5815	MCS0	18.50	18.27

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Page: 51 of 170

			T 0			
	1	I	Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	2412		22.50	22.40
	802.11b	6	2437	1Mbps	22.50	22.47
		11	2462		22.50	22.35
		1	2412		18.00	17.79
	802.11g	6	2437	6Mbps	21.50	21.23
		11	2462		18.50	18.34
		1	2412		17.50	17.25
	802.11n20-HT0	6	2437	MCS0	21.50	21.22
		11	2462		18.50	18.35
		1	2412		17.50	17.29
	802.11ac20-VHT0	6	2437	MCS0	21.50	21.31
		11	2462		18.50	18.26
		1	2412		17.50	17.30
	802.11ax20-HE0	6	2437	MCS0	21.50	21.35
2.45GHz		11	2462		18.50	18.22
2.43GHZ		1	2412		17.50	17.27
	802.11be20-EHT0	6	2437	MCS0	21.50	21.31
		11	2462		18.50	18.33
		3	2422		16.00	15.84
	802.11n40-HT0	6	2437	MCS0	19.50	19.24
		9	2452		17.50	17.25
		3	2422		16.00	15.76
	802.11ac40-VHT0	6	2437	MCS0	19.50	19.28
		9	2452		17.50	17.36
		3	2422		16.00	15.87
	802.11ax40-HE0	6	2437	MCS0	19.50	19.21
		9	2452		17.50	17.25
		3	2422		16.00	15.79
	802.11be40-EHT0	6	2437	MCS0	19.50	19.39
		9	2452		17.50	17.20

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Page: 52 of 170

			Tx2			
			1 1 2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		36	5180		21.00	20.98
		40	5200	1	21.50	21.47
	802.11a	44	5220	6Mbps	21.50	21.29
		48	5240	1	21.50	21.38
		36	5180		20.00	19.73
		40	5200	1	21.50	21.20
	802.11n20-HT0	44	5220	MCS0	21.50	21.23
		48	5240	1	21.50	21.34
		36	5180		20.00	19.70
	000 44 00 1/1/70	40	5200	1	21.50	21.26
	802.11ac20-VHT0	44	5220	MCS0	21.50	21.21
		48	5240	1	21.50	21.20
		36	5180		20.00	19.68
	000 44 . 00 1150	40	5200	1	21.50	21.24
	802.11ax20-HE0	44	5220	MCS0	21.50	21.37
		48	5240	1	21.50	21.19
5.45.5.05.OU		36	5180		20.00	19.75
5.15-5.25 GHz	000 444 00 5450	40	5200	1	21.50	21.34
	802.11be20-EHT0	44	5220	MCS0	21.50	21.20
		48	5240	1	21.50	21.25
	000 44 - 40 LITO	38	5190	MOCO	19.00	18.69
	802.11n40-HT0	46	5230	MCS0	21.00	20.77
	000 44 40 \ // ITO	38	5190	14000	19.00	18.83
	802.11ac40-VHT0	46	5230	MCS0	21.00	20.72
	000 44 40 1150	38	5190	MOGO	19.00	18.81
	802.11ax40-HE0	46	5230	MCS0	21.00	20.76
	000 445 - 40 EUTO	38	5190	MOCO	19.00	18.86
	802.11be40-EHT0	46	5230	MCS0	21.00	20.79
	802.11ac80-VHT0	42	5210	MCS0	17.50	17.32
	802.11ax80-HE0	42	5210	MCS0	17.50	17.28
	802.11be80-EHT0	42	5210	MCS0	17.50	17.29
	802.11ac160-VHT0	50	5250	MCS0	15.00	14.73
	802.11ax160-HE0	50	5250	MCS0	15.00	14.69
	802.11be160-EHT0	50	5250	MCS0	15.00	14.81

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Page: 53 of 170

			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		52	5260		21.50	21.48
	802.11a	56	5280	GMbna	21.50	21.41
	802.11a	60	5300	6Mbps	21.50	21.47
		64	5320		21.00	20.98
		52	5260		21.50	21.31
	802.11n20-HT0	56	5280	MCS0	21.50	21.39
	002.11112U-1110	60	5300	IVICSU	21.50	21.25
		64	5320		20.00	19.82
		52	5260		21.50	21.20
	802.11ac20-VHT0	56	5280	MCS0	21.50	21.25
	002.11ac20-VH10	60	5300	IVICSU	21.50	21.24
		64	5320		20.00	19.71
		52	5260		21.50	21.22
	802.11ax20-HE0	56	5280	MCS0	21.50	21.30
	002.11ax20-11L0	60	5300	IVICSO	21.50	21.25
5.25-5.35 GHz		64	5320		20.00	19.79
		52	5260		21.50	21.21
	802.11be20-EHT0	56	5280	MCS0	21.50	21.33
	002.11be20-EH10	60	5300	IVICSU	21.50	21.25
		64	5320		20.00	19.70
	802.11n40-HT0	54	5270	MCS0	21.00	20.83
	002.111 <del>14</del> 0-П10	62	5310	IVICSU	18.50	18.38
	802.11ac40-VHT0	54	5270	MCS0	21.00	20.86
	002.11ac40-VH10	62	5310	IVICSU	18.50	18.37
	802.11ax40-HE0	54	5270	MCS0	21.00	20.83
	002.11dX40-MEU	62	5310	IVICOU	18.50	18.38
	802.11be40-EHT0	54	5270	MCS0	21.00	20.74
	002.11DC4U-EF1U	62	5310	IVICOU	18.50	18.26
	802.11ac80-VHT0	58	5290	MCS0	18.00	17.80
	802.11ax80-HE0	58	5290	MCS0	18.00	17.79
	802.11be80-EHT0	58	5290	MCS0	18.00	17.75

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SGS Taiwan Ltd.



Page: 54 of 170

			Tx2			
			1 1/2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		100	5500		20.50	20.31
	000 44 -	120	5600	CN/low-s	21.50	21.22
	802.11a	140	5700	6Mbps	19.00	18.78
		144	5720		21.00	20.76
		100	5500		19.50	19.24
	802.11n20-HT0	120	5600	MCS0	21.50	21.31
	002.111120-1110	140	5700	IVICOU	19.00	18.81
		144	5720		21.50	21.32
		100	5500		19.50	19.31
	802.11ac20-VHT0	120	5600	MCS0	21.50	21.25
	002.110020 11110	140	5700		19.00	18.79
		144	5720		21.50	21.36
		100	5500		19.50	19.30
	802.11ax20-HE0	120	5600	MCS0	21.50	21.22
		140	5700		19.00	18.74
		144	5720		21.50	21.31
		100	5500		19.50	19.24
	802.11be20-EHT0	120	5600	MCS0	21.50	21.38
		140	5700	-	19.00	18.87
		144 102	5720 5510		21.50	21.25 17.79
		118	5590	-	18.00 21.00	20.70
	802.11n40-HT0	134	5670	MCS0	20.00	19.95
		142	5710		21.50	21.46
5.6GHz		102	5510		18.00	17.85
		118	5590	1	21.00	20.80
	802.11ac40-VHT0	134	5670	MCS0	20.00	19.85
		142	5710	1	21.50	21.34
		102	5510		18.00	17.79
		118	5590	1	21.00	20.86
	802.11ax40-HE0	134	5670	MCS0	20.00	19.80
		142	5710		21.50	21.24
		102	5510		18.00	17.82
	000 445 - 40 51 50	118	5590	MOSS	21.00	20.80
	802.11be40-EHT0	134	5670	MCS0	20.00	19.79
		142	5710		21.50	21.22
		106	5530		18.00	17.84
	802.11ac80-VHT0	122	5610	MCS0	20.50	20.33
		138	5690		21.00	20.81
		106	5530	_	18.00	17.88
	802.11ax80-HE0	122	5610	MCS0	20.50	20.30
		138	5690		21.00	20.88
		106	5530		18.00	17.75
	802.11be80-EHT0	122	5610	MCS0	20.50	20.26
		138	5690		21.00	20.72
	802.11ac160-VHT0	114	5570	MCS0	16.00	15.88
	802.11ax160-HE0	114	5570	MCS0	16.00	15.84
	802.11be160-EHT0	114	5570	MCS0	16.00	15.78

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Page: 55 of 170

			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		149	5745		22.50	22.24
	802.11a	157	5785	6Mbps	22.50	22.39
		165	5825	]	22.50	22.34
		149	5745		22.50	22.29
	802.11n20-HT0	157	5785	MCS0	22.50	22.16
		165	5825		22.50	22.15
		149	5745		22.50	22.18
	802.11ac20-VHT0	157	5785	MCS0	22.50	22.21
		165	5825		22.50	22.31
		149	5745		22.50	22.28
	802.11ax20-HE0	157	5785	MCS0	22.50	22.19
		165	5825		22.50	22.22
5.8GHz		149	5745		22.50	22.20
3.6GHZ	802.11be20-EHT0	157	5785	MCS0	22.50	22.32
		165	5825		22.50	22.27
	002 11n40 LITO	151	5755	MCS0	21.50	21.25
	802.11n40-HT0	159	5795	IVICSU	21.50	21.26
	802.11ac40-VHT0	151	5755	MCS0	21.50	21.29
	602.11ac40-VH10	159	5795	IVICSU	21.50	21.24
	802.11ax40-HE0	151	5755	MCS0	21.50	21.20
	002.11dX40-FE0	159	5795	IVICSU	21.50	21.32
	802.11be40-EHT0	151	5755	MCS0	21.50	21.17
	002.110 <del>04</del> 0-E1110	159	5795	IVICOU	21.50	21.15
	802.11ac80-VHT0	155	5775	MCS0	20.50	20.20
	802.11ax80-HE0	155	5775	MCS0	20.50	20.31
	802.11be80-EHT0	155	5775	MCS0	20.50	20.34

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Page: 56 of 170

			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		169	5845		20.00	19.71
	802.11a	173	5865	6Mbps	20.00	19.67
		177	5885		20.00	19.66
		169	5845		20.00	19.68
	802.11n20-HT0	173	5865	MCS0	20.00	19.73
		177	5885	1	18.00	17.76
		169	5845		20.00	19.66
	802.11ac20-VHT0	173	5865	MCS0	20.00	19.72
		177	5885	1	18.00	17.65
		169	5845		20.00	19.59
	802.11ax20-HE0	173	5865	MCS0	20.00	19.70
		177	5885	1	18.00	17.69
		169	5845		20.00	19.61
	802.11be20-EHT0	173	5865	MCS0	20.00	19.78
5.9GHz		177	5885		18.00	17.75
	902 11×10 LITO	167	5835	MCCO	21.50	21.29
	802.11n40-HT0	175	5875	MCS0	21.50	21.30
	000 44 co 40 \ // ITO	167	5835	MCCO	21.50	21.26
	802.11ac40-VHT0	175	5875	MCS0	21.50	21.12
	902 11av40 UE0	167	5835	MCS0	21.50	21.11
	802.11ax40-HE0	175	5875	IVICSU	21.50	21.19
	902 11ho 10 EUTO	167	5835	MCCO	21.50	21.17
	802.11be40-EHT0	175	5875	MCS0	21.50	21.14
	802.11ac80-VHT0	171	5855	MCS0	21.00	20.64
	802.11ax80-HE0	171	5855	MCS0	21.00	20.68
	802.11be80-EHT0	171	5855	MCS0	21.00	20.76
	802.11ac160-VHT0	163	5815	MCS0	18.50	18.19
	802.11ax160-HE0	163	5815	MCS0	18.50	18.17
	802.11be160-EHT0	163	5815	MCS0	18.50	18.25

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Page: 57 of 170

Tablet mod			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		16.50	16.36
	802.11a	45	6175	6Mbps	16.50	16.33
		93	6415		16.50	16.33
		1	5955		16.50	16.47
	802.11ax20-HE0	45	6175	MCS0	16.50	16.40
		93	6415		16.50	16.34
		1	5955		16.50	16.46
	802.11be20-EHT0	45	6175	MCS0	16.50	16.47
		93	6415		16.50	16.47
		3	5965		16.50	16.33
	802.11ax40-HE0	43	6165	MCS0	16.50	16.31
		91	6405		16.50	16.36
		3	5965	MCS0	16.50	16.48
U-NII-5 6.2GHz	802.11be40-EHT0	43	6165		16.50	16.48
0.20112		91	6405		16.50	16.45
		7	5985		16.50	16.36
	802.11ax80-HE0	39	6145	MCS0	16.50	16.31
		87	6385		16.50	16.45
		7	5985		16.50	16.36
	802.11be80-EHT0	39	6145	MCS0	16.50	16.39
		87	6385		16.50	16.37
		15	6025		16.50	16.49
	802.11ax160-HE0	47	6185	MCS0	16.50	16.47
		79	6345		16.50	16.43
		15	6025		16.50	16.42
	802.11be160-EHT0	47	6185	MCS0	16.50	16.40
		79	6345	]	16.50	16.46

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Page: 58 of 170

			T. 4			
	T	1	Tx1			T
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		7.00	6.66
	802.11a	105	6475	6Mbps	7.00	6.72
		113	6515		7.00	6.68
		97	6435		7.50	7.11
	802.11ax20-HE0	105	6475	MCS0	7.50	7.21
		113	6515		7.50	7.09
	802.11be20-EHT0	97	6435		7.50	7.03
		105	6475	MCS0	7.50	7.17
U-NII-6		113	6515		7.50	7.16
6.5GHz	802.11ax40-HE0	99	6445	MCS0	10.00	9.58
0.00112	002.11ax40-11E0	107	6485	WICOU	10.00	9.54
	802.11be40-EHT0	99	6445	MCS0	10.00	9.70
	002.11bC+0-L1110	107	6485	WOOO	10.00	9.55
	802.11ax80-HE0	103	6465	MCS0	13.00	12.60
	002.114200-1120	119	6545	WOOO	12.50	12.09
	802.11be80-EHT0	103	6465	MCS0	13.00	12.57
	302.115000-E1110	119	6545	IVIOOU	12.50	12.19
	802.11ax160-HE0	111	6505	MCS0	15.50	15.23
	802.11be160-EHT0	111	6505	MCS0	15.50	15.16

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Page: 59 of 170

			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		16.50	16.31
	802.11a	149	6695	6Mbps	16.50	16.45
		181	6855		16.50	16.39
		117	6535		16.50	16.45
	802.11ax20-HE0	149	6695	MCS0	16.50	16.41
		181	6855		16.50	16.43
	802.11be20-EHT0	117	6535		16.50	16.29
		149	6695	MCS0	16.50	16.37
		181	6855		16.50	16.45
		123	6565		16.50	16.45
	802.11ax40-HE0	147	6685	MCS0	16.50	16.42
11 1111 7		179	6845		16.50	16.29
U-NII-7 6.7GHz		123	6565		16.50	16.43
0.7 0112	802.11be40-EHT0	147	6685	MCS0	16.50	16.44
		179	6845		16.50	16.44
		135	6625		16.50	16.27
	802.11ax80-HE0	151	6705	MCS0	16.50	16.39
		167	6785		16.50	16.41
		135	6625		16.50	16.37
	802.11be80-EHT0	151	6705	MCS0	16.50	16.28
		167	6785		16.50	16.37
	802.11ax160-HE0	143	6665	MCS0	16.50	16.47
	302.11ax100-11E0	175	6825	101000	15.00	14.87
	802.11be160-EHT0	143	6665	MCS0	16.50	16.41
	332.1133100 21110	175	6825	141000	15.00	14.83

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Page: 60 of 170

	Tx1									
			TXT							
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)				
		185	6875		7.00	6.93				
	802.11a	209	6995	6Mbps	7.50	7.37				
		233	7115		7.50	7.46				
		185	6875		7.00	6.95				
	802.11ax20-HE0	209	6995	MCS0	7.50	7.43				
		233	7115		7.50	7.36				
	802.11be20-EHT0	185	6875	MCS0	7.00	6.88				
		209	6995		7.50	7.42				
		233	7115		7.50	7.34				
LLAULO	802.11ax40-HE0	187	6885	MCS0	10.00	9.95				
U-NII-8 7.0GHz	002.11dx40-11E0	227	7085	MCSU	10.00	9.87				
7.00112	802.11be40-EHT0	187	6885	MCS0	10.00	9.81				
	602.11be40-EH10	227	7085	MCSU	10.00	9.94				
		183	6865		12.50	12.34				
	802.11ax80-HE0	199	6945	MCS0	13.00	12.93				
		215	7025		13.00	12.91				
		183	6865		12.50	12.45				
	802.11be80-EHT0	199	6945	MCS0	13.00	12.89				
		215	7025		13.00	12.88				
	802.11ax160-HE0	207	6985	MCS0	15.50	15.49				
	802.11be160-EHT0	207	6985	MCS0	15.50	15.37				

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SGS Taiwan Ltd. 台灣檢驗科技股份有限公司



Page: 61 of 170

			T. 0			
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		16.50	16.36
	802.11a	45	6175	6Mbps	16.50	16.39
		93	6415	]	16.50	16.37
		1	5955		16.50	16.34
	802.11ax20-HE0	45	6175	MCS0	16.50	16.32
		93	6415		16.50	16.32
		1	5955		16.50	16.24
	802.11be20-EHT0	45	6175	MCS0	16.50	16.31
		93	6415		16.50	16.33
		3	5965		16.50	16.41
	802.11ax40-HE0	43	6165	MCS0	16.50	16.25
		91	6405		16.50	16.25
11 8111 5		3	5965		16.50	16.25
U-NII-5 6.2GHz	802.11be40-EHT0	43	6165	MCS0	16.50	16.31
0.20112		91	6405		16.50	16.42
		7	5985		16.50	16.24
	802.11ax80-HE0	39	6145	MCS0	16.50	16.39
		87	6385		16.50	16.31
		7	5985		16.50	16.36
	802.11be80-EHT0	39	6145	MCS0	16.50	16.32
		87	6385		16.50	16.42
		15	6025	]	16.50	16.43
	802.11ax160-HE0	47	6185	MCS0	16.50	16.39
		79	6345		16.50	16.28
		15	6025	]	16.50	16.32
	802.11be160-EHT0	47	6185	MCS0	16.50	16.28
		79	6345		16.50	16.41

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Page: 62 of 170

			Tv2			
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		7.00	6.72
	802.11a	105	6475	6Mbps	7.00	6.88
		113	6515		7.00	6.78
		97	6435		7.50	7.27
	802.11ax20-HE0	105	6475	MCS0	7.50	7.30
		113	6515		7.50	7.33
	802.11be20-EHT0	97	6435	MCS0	7.50	7.31
		105	6475		7.50	7.37
U-NII-6		113	6515		7.50	7.26
6.5GHz	802.11ax40-HE0	99	6445	MCS0	10.00	9.71
0.00112	002.11ax40-11L0	107	6485	MCSO	10.00	9.86
	802.11be40-EHT0	99	6445	MCS0	10.00	9.76
	002.11be40-L1110	107	6485	WCSO	10.00	9.73
	802.11ax80-HE0	103	6465	MCS0	13.00	12.86
	002.118800-1120	119	6545	WCSO	12.50	12.28
	802.11be80-EHT0	103	6465	MCS0	13.00	12.83
	002.110000-L1110	119	6545	IVICOU	12.50	12.29
	802.11ax160-HE0	111	6505	MCS0	15.50	15.40
	802.11be160-EHT0	111	6505	MCS0	15.50	15.32

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Page: 63 of 170

			T-0			
		Π	Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		16.50	16.31
	802.11a	149	6695	6Mbps	16.50	16.44
		181	6855		16.50	16.27
		117	6535		16.50	16.26
	802.11ax20-HE0	149	6695	MCS0	16.50	16.34
		181	6855		16.50	16.29
		117	6535		16.50	16.35
	802.11be20-EHT0	149	6695	MCS0	16.50	16.35
		181	6855		16.50	16.38
		123	6565		16.50	16.28
	802.11ax40-HE0	147	6685	MCS0	16.50	16.39
11 1111 7		179	6845		16.50	16.40
U-NII-7 6.7GHz		123	6565		16.50	16.25
0.7 0112	802.11be40-EHT0	147	6685	MCS0	16.50	16.27
		179	6845		16.50	16.41
		135	6625		16.50	16.37
	802.11ax80-HE0	151	6705	MCS0	16.50	16.28
		167	6785		16.50	16.33
		135	6625		16.50	16.31
	802.11be80-EHT0	151	6705	MCS0	16.50	16.37
		167	6785		16.50	16.34
	802.11ax160-HE0	143	6665	MCS0	16.50	16.45
	302.11ax100-11L0	175	6825	IVICOU	15.00	14.93
	802.11be160-EHT0	143	6665	MCS0	16.50	16.36
	002.110C100-E1110	175	6825	- IVICSO	15.00	14.83

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Page: 64 of 170

			Tx2			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		7.00	6.87
	802.11a	209	6995	6Mbps	7.50	7.43
		233	7115		7.50	7.35
		185	6875		7.00	6.91
	802.11ax20-HE0	209	6995	MCS0	7.50	7.37
		233	7115		7.50	7.40
	802.11be20-EHT0	185	6875	MCS0	7.00	6.85
		209	6995		7.50	7.44
		233	7115		7.50	7.41
LLAULO	802.11ax40-HE0	187	6885	MCS0	10.00	9.90
U-NII-8 7.0GHz	002.11dX40-HEU	227	7085	IVICSU	10.00	9.81
7.00112	802.11be40-EHT0	187	6885	MCS0	10.00	9.91
	602.11be40-EH10	227	7085	MCSU	10.00	9.94
		183	6865		12.50	12.41
	802.11ax80-HE0	199	6945	MCS0	13.00	12.93
		215	7025		13.00	12.88
		183	6865		12.50	12.31
	802.11be80-EHT0	199	6945	MCS0	13.00	12.77
		215	7025	1	13.00	12.80
	802.11ax160-HE0	207	6985	MCS0	15.50	15.48
	802.11be160-EHT0	207	6985	MCS0	15.50	15.32

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Page: 65 of 170

	1		Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		21.50	21.49
	802.11a	45	6175	6Mbps	21.50	21.43
		93	6415		21.50	21.41
		1	5955		21.50	21.46
	802.11ax20-HE0	45	6175	MCS0	21.50	21.38
		93	6415		21.50	21.48
		1	5955		21.50	21.41
	802.11be20-EHT0	45	6175	MCS0	21.50	21.36
		93	6415		21.50	21.32
		3	5965		20.50	20.38
	802.11ax40-HE0	43	6165	MCS0	20.50	20.41
		91	6405		20.50	20.48
11 NIII 7		3	5965		20.50	20.32
U-NII-5 6.2GHz	802.11be40-EHT0	43	6165	MCS0	20.50	20.40
0.20112		91	6405		20.50	20.39
		7	5985		20.00	19.81
	802.11ax80-HE0	39	6145	MCS0	20.00	19.91
		87	6385		20.00	19.97
		7	5985		20.00	19.82
	802.11be80-EHT0	39	6145	MCS0	20.00	19.88
		87	6385		20.00	19.85
		15	6025		17.50	17.34
	802.11ax160-HE0	47	6185	MCS0	17.50	17.38
		79	6345		17.50	17.33
		15	6025		17.50	17.45
	802.11be160-EHT0	47	6185	MCS0	17.50	17.46
		79	6345		17.50	17.41

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Page: 66 of 170

			T. 4			
	T	1	Tx1			T
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		7.00	6.66
	802.11a	105	6475	6Mbps	7.00	6.72
		113	6515		7.00	6.68
		97	6435		7.50	7.11
	802.11ax20-HE0	105	6475	MCS0	7.50	7.21
		113	6515		7.50	7.09
	802.11be20-EHT0	97	6435	MCS0	7.50	7.03
		105	6475		7.50	7.17
U-NII-6		113	6515		7.50	7.16
6.5GHz	802.11ax40-HE0	99	6445	MCS0	10.00	9.58
0.00112	002.11ax40-11E0	107	6485	WICOU	10.00	9.54
	802.11be40-EHT0	99	6445	MCS0	10.00	9.70
	002.11bC+0-L1110	107	6485	WOOO	10.00	9.55
	802.11ax80-HE0	103	6465	MCS0	13.00	12.60
	002.114200-1120	119	6545	WOOO	12.50	12.09
	802.11be80-EHT0	103	6465	MCS0	13.00	12.57
	302.115000-E1110	119	6545	IVICSU	12.50	12.19
	802.11ax160-HE0	111	6505	MCS0	15.50	15.23
	802.11be160-EHT0	111	6505	MCS0	15.50	15.16

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Page: 67 of 170

			Tx1			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		20.50	20.49
	802.11a	149	6695	6Mbps	20.50	20.45
		181	6855		20.50	20.32
		117	6535		20.50	20.36
	802.11ax20-HE0	149	6695	MCS0	20.50	20.42
		181	6855		20.50	20.31
	802.11be20-EHT0	117	6535		20.50	20.48
		149	6695	MCS0	20.50	20.33
		181	6855		20.50	20.30
		123	6565		19.50	19.48
	802.11ax40-HE0	147	6685	MCS0	19.50	19.29
11 1111 7		179	6845		19.50	19.43
U-NII-7 6.7GHz		123	6565		19.50	19.41
0.7 0112	802.11be40-EHT0	147	6685	MCS0	19.50	19.35
		179	6845		19.50	19.48
		135	6625		19.00	18.82
	802.11ax80-HE0	151	6705	MCS0	19.00	18.97
		167	6785		19.00	18.91
		135	6625		19.00	18.89
	802.11be80-EHT0	151	6705	MCS0	19.00	18.89
		167	6785		19.00	18.81
	802.11ax160-HE0	143	6665	MCS0	16.50	16.49
	302.11ax100-11E0	175	6825	101000	15.00	14.87
	802.11be160-EHT0	143	6665	MCS0	16.50	16.43
	332.1133100 21110	175	6825	141000	15.00	14.83

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Page: 68 of 170

			Tx1			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
	802.11a	185 209	6875 6995	6Mbps	7.00 7.50	6.93 7.37
		233	7115		7.50	7.46
		185	6875		7.00	6.95
	802.11ax20-HE0	209	6995	MCS0	7.50	7.43
		233	7115		7.50	7.36
	802.11be20-EHT0	185	6875	MCS0	7.00	6.88
		209	6995		7.50	7.42
		233	7115		7.50	7.34
U-NII-8	802.11ax40-HE0	187	6885	MCS0	10.00	9.95
7.0GHz	002.1102101120	227	7085	WOOO	10.00	9.87
	802.11be40-EHT0	187	6885	MCS0	10.00	9.81
	002.110010 21110	227	7085	WOOO	10.00	9.94
		183	6865		12.50	12.34
	802.11ax80-HE0	199	6945	MCS0	13.00	12.93
		215	7025		13.00	12.91
		183	6865		12.50	12.45
	802.11be80-EHT0	199	6945	MCS0	13.00	12.89
		215	7025	]	13.00	12.88
	802.11ax160-HE0	207	6985	MCS0	15.50	15.49
	802.11be160-EHT0	207	6985	MCS0	15.50	15.37

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Page: 69 of 170

			Tv0			
			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		1	5955		21.50	21.21
	802.11a	45	6175	6Mbps	21.50	21.49
		93	6415		21.50	21.46
		1	5955		21.50	21.41
	802.11ax20-HE0	45	6175	MCS0	21.50	21.48
		93	6415		21.50	21.30
		1	5955		21.50	21.36
	802.11be20-EHT0	45	6175	MCS0	21.50	21.38
		93	6415		21.50	21.40
		3	5965		20.50	20.44
	802.11ax40-HE0	43	6165	MCS0	20.50	20.34
		91	6405		20.50	20.47
I I NIII E		3	5965		20.50	20.36
U-NII-5 6.2GHz	802.11be40-EHT0	43	6165	MCS0	20.50	20.33
0.20112		91	6405		20.50	20.43
		7	5985		20.00	19.86
	802.11ax80-HE0	39	6145	MCS0	20.00	19.96
		87	6385		20.00	19.94
		7	5985		20.00	19.98
	802.11be80-EHT0	39	6145	MCS0	20.00	19.86
		87	6385		20.00	19.94
		15	6025		17.50	17.33
	802.11ax160-HE0	47	6185	MCS0	17.50	17.47
		79	6345		17.50	17.34
		15	6025		17.50	17.29
	802.11be160-EHT0	47	6185	MCS0	17.50	17.37
		79	6345		17.50	17.32

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Page: 70 of 170

			<b>T</b> 0			
	T		Tx2			Г
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		97	6435		7.00	6.72
	802.11a	105	6475	6Mbps	7.00	6.88
		113	6515		7.00	6.78
		97	6435		7.50	7.27
	802.11ax20-HE0	105	6475	MCS0	7.50	7.30
		113	6515		7.50	7.33
	802.11be20-EHT0	97	6435	MCS0	7.50	7.31
		105	6475		7.50	7.37
LLNIILC		113	6515		7.50	7.26
U-NII-6 6.5GHz	802.11ax40-HE0	99	6445	MCS0	10.00	9.71
0.00112	002.11ax40-11L0	107	6485	MCSO	10.00	9.86
	802.11be40-EHT0	99	6445	MCS0	10.00	9.76
	002.11be40-E1110	107	6485	WCSO	10.00	9.73
	802.11ax80-HE0	103	6465	MCS0	13.00	12.86
	002.11ax00-11E0	119	6545	WCSO	12.50	12.28
	802.11be80-EHT0	103	6465	MCS0	13.00	12.83
	002.110 <del>0</del> 00-L1110	119	6545	1 IVICSU	12.50	12.29
	802.11ax160-HE0	111	6505	MCS0	15.50	15.40
	802.11be160-EHT0	111	6505	MCS0	15.50	15.32

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Page: 71 of 170

			Tx2			
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		117	6535		20.50	20.48
	802.11a	149	6695	6Mbps	20.50	20.45
		181	6855		20.50	20.43
		117	6535		20.50	20.47
	802.11ax20-HE0	149	6695	MCS0	20.50	20.47
		181	6855		20.50	20.30
	802.11be20-EHT0	117	6535		20.50	20.34
		149	6695	MCS0	20.50	20.44
		181	6855		20.50	20.38
	802.11ax40-HE0	123	6565	MCS0	19.50	19.32
		147	6685		19.50	19.41
11 1111 7		179	6845		19.50	19.39
U-NII-7 6.7GHz		123	6565		19.50	19.35
0.7 0112	802.11be40-EHT0	147	6685	MCS0	19.50	19.46
		179	6845		19.50	19.41
		135	6625		19.00	18.93
	802.11ax80-HE0	151	6705	MCS0	19.00	18.88
		167	6785		19.00	18.96
		135	6625		19.00	18.91
	802.11be80-EHT0	151	6705	MCS0	19.00	18.79
		167	6785		19.00	18.94
	802.11ax160-HE0	143	6665	MCS0	16.50	16.41
	302.11ax100-11L0	175	6825	IVIOOU	15.00	14.93
	802.11be160-EHT0	143	6665	MCS0	16.50	16.45
	332.1133100 21110	175	6825	141000	15.00	14.83

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Page: 72 of 170

			Tx2			
			1 XZ			
Mode	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
		185	6875		7.00	6.87
	802.11a	209	6995	6Mbps	7.50	7.43
		233	7115		7.50	7.35
		185	6875		7.00	6.91
	802.11ax20-HE0	209	6995	MCS0	7.50	7.37
		233	7115		7.50	7.40
	802.11be20-EHT0	185	6875	MCS0	7.00	6.85
		209	6995		7.50	7.44
		233	7115		7.50	7.41
LLAULO	802.11ax40-HE0	187	6885	MCS0	10.00	9.90
U-NII-8 7.0GHz	002.11dx40-11E0	227	7085	MCSU	10.00	9.81
7.00112	802.11be40-EHT0	187	6885	MCS0	10.00	9.91
	602.11be40-EH10	227	7085	MCSU	10.00	9.94
		183	6865		12.50	12.41
	802.11ax80-HE0	199	6945	MCS0	13.00	12.93
		215	7025		13.00	12.88
		183	6865		12.50	12.31
	802.11be80-EHT0	199	6945	MCS0	13.00	12.77
		215	7025		13.00	12.80
	802.11ax160-HE0	207	6985	MCS0	15.50	15.48
	802.11be160-EHT0	207	6985	MCS0	15.50	15.32

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Page: 73 of 170

#### 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		11.35		8.37		8.22
BR/EDR	CH 39	2441	11.50	11.29	8.50	8.35	8.50	8.21
	CH 78	2480		11.31		8.41		8.32

#### 6.4 BLE

Mode	Channel	Frequency	(	GFSK
Mode	Channel	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
	CH 00	2402		11.21
BLE_1M	CH 19	2440	11.5	11.15
	CH 39	2480		11.25
Mode	Channel	Frequency		GFSK
Mode	Chamer	(MHz)	Max. Rated Avg.Power + Max. Tolerance (dBm)	Average Output Power (dBm)
	CH 00	2402		11.05
BLE_2M	CH 19	2440	11.5	11.13
	CH 39	2480		11.22

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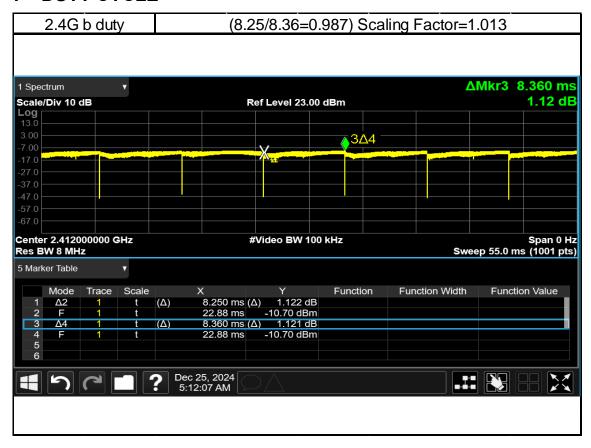
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Page: 74 of 170

# **DUTY CYCLE**



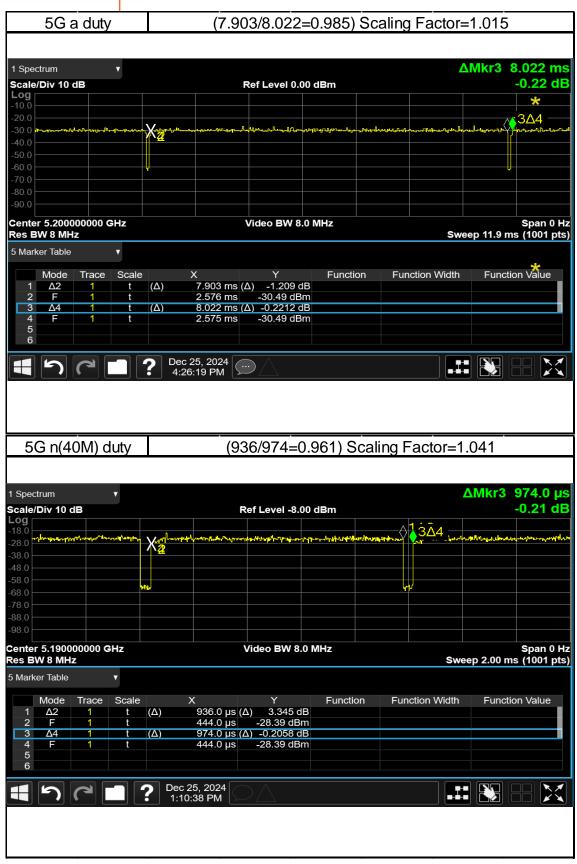
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Page: 75 of 170



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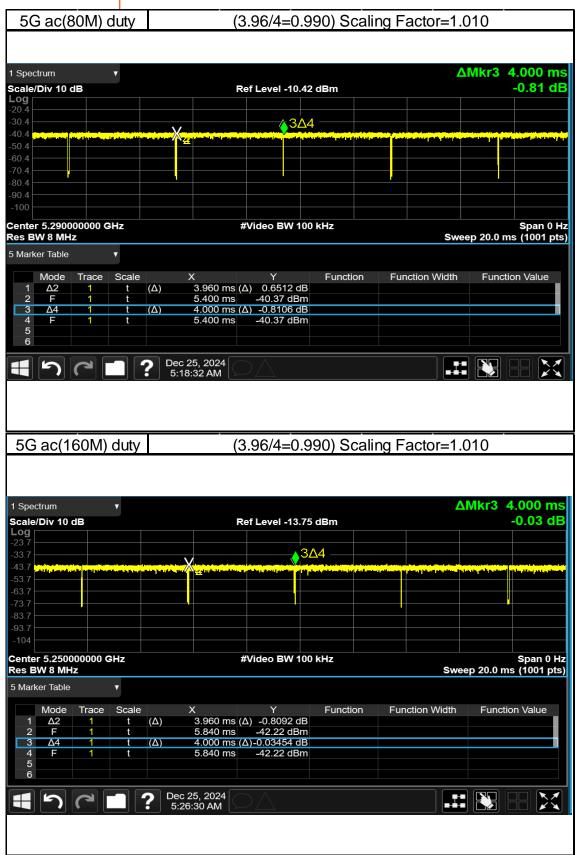
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Page: 76 of 170



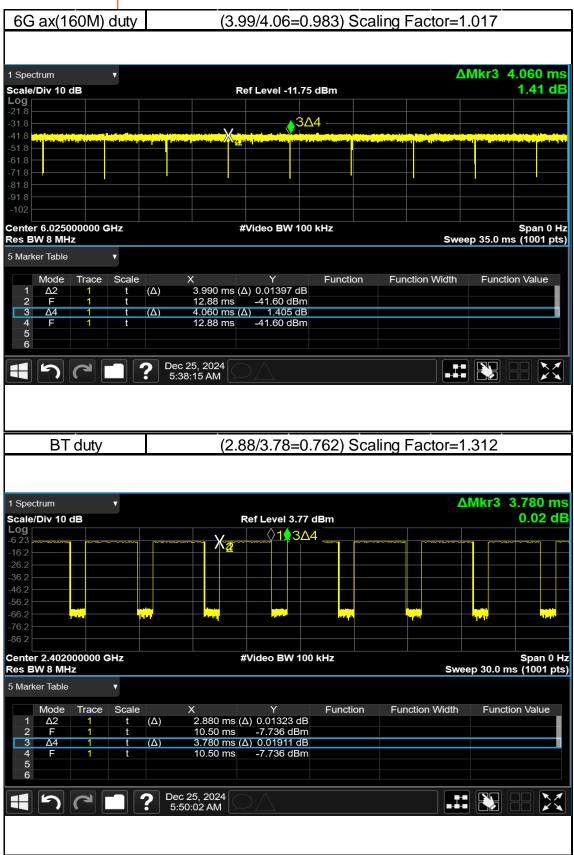
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Page: 77 of 170



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Page: 78 of 170

# **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**

Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power		over 1g (W/kg)	10
		(mm)		(IVID2)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
Tx1	Back Surface	0	11	2462	18.50	18.46	1.01	100.93%	0.162	0.166	
Tx1	Top Edge	0	1	2412	18.50	18.45	1.01	101.16%	0.820	0.840	
Tx1	Top Edge	0	6	2437	18.50	18.39	1.01	102.57%	0.785	0.816	
Tx1	Top Edge	0	11	2462	18.50	18.46	1.01	100.93%	0.889	0.909	0
Tx1	Right Edge	0	11	2462	18.50	18.46	1.01	100.93%	0.024	0.025	
Tx1	Left Edge	0	11	2462	18.50	18.46	1.01	100.93%	0.039	0.040	
				2462					0.031	0.032	
							-				
TAI	Top Eage	0	- ''	2402			1.01	100.9376			
Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)  Reported	
Tx1	Back Surface	0	00	2402	11.50	11.35	1.31	103.51%	0.022	0.030	
											0
											-
Tx1	Bottom Edge	0	00	2402		11.35	1.31	103.51%	0.004	0.005	
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	
Tx1	Back Surface	0	42	5210	16.50	16.47	1.01	100.69%	0.125	0.127	
Tx1	Top Edge	0	42	5210	16.50	16.47	1.01	100.69%	0.901	0.916	0
	-					_					
	-										
IX1	Top Eage	0	42	5210			1.01	100.69%	0.893	0.908	
Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Power + Max.	Avg. Power	Duty cycle scaling	Power scaling			ı
Tv1	Rack Surface	0	58	5290	. ,	, ,	1.01	106 17%			
****											0
											- 0
											-
Ix1	Bottom Edge	0	58	5290	16.50	16.24	1.01	106.17%	0.039	0.042	
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	
Tx1	Back Surface	0	106	5530	16.50	16.48	1.01	100.46%	0.083	0.084	
Tx1	Top Edge	0	106	5530	16.50	16.48	1.01	100.46%	0.515	0.523	C
		Distance		Freq.	Max. Rated Avg.	Measured	1.01 Duty cycle	100.46% Power			
		(mm)		(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	
Tx1	Back Surface	0	155	5775	16.50	16.23	1.01	106.41%	0.078	0.084	
T /		0	155	5775	16.50	16.23	1.01	106.41%	0.510	0.548	0
Tx1	Top Edge				16.50	16.23	1.01	106.41%			
Tx1	Right Edge	0	155	5775					0.044	0.047	
Tx1 Tx1	Right Edge Left Edge	0	155	5775	16.50	16.23	1.01	106.41%	0.072	0.077	
Tx1	Right Edge	0									
Tx1 Tx1	Right Edge Left Edge	0 0 0 Distance	155	5775 5775 Freq.	16.50 16.50 Max. Rated Avg. Power + Max.	16.23 16.23 Measured Avg. Power	1.01 1.01 Duty cycle	106.41% 106.41% Power	0.072 0.037 Averaged SAR	0.077 0.040 over 1g (W/kg)	
Tx1 Tx1 Tx1 Antenna	Right Edge Left Edge Bottom Edge Position	0 0 0 Distance (mm)	155 155 Channel	5775 5775 Freq. (MHz)	16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.23 16.23 Measured Avg. Power (dBm)	1.01 1.01 Duty cycle scaling	106.41% 106.41% Power scaling	0.072 0.037 Averaged SAR Measured	0.077 0.040 over 1g (W/kg) Reported	
Tx1 Tx1 Tx1 Antenna Tx1	Right Edge Left Edge Bottom Edge Position Back Surface	0 0 0 Distance (mm)	155 155 Channel	5775 5775 Freq. (MHz) 5815	16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.50	16.23 16.23 Measured Avg. Power (dBm) 16.31	1.01 1.01 Duty cycle scaling 1.01	106.41% 106.41% Power scaling 104.47%	0.072 0.037 Averaged SAR Measured 0.055	0.077 0.040 over 1g (W/kg) Reported 0.058	
Tx1 Tx1 Tx1 Tx1 Antenna Tx1 Tx1	Right Edge Left Edge Bottom Edge Position	0 0 0 Distance (mm)	155 155 Channel	5775 5775 Freq. (MHz)	16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.23 16.23 Measured Avg. Power (dBm) 16.31 16.31	1.01 1.01 Duty cycle scaling 1.01 1.01	106.41% 106.41% Power scaling	0.072 0.037 Averaged SAR Measured	0.077 0.040 over 1g (W/kg) Reported 0.058 0.274	
Tx1 Tx1 Tx1 Antenna Tx1	Right Edge Left Edge Bottom Edge Position Back Surface	0 0 0 Distance (mm)	155 155 Channel	5775 5775 Freq. (MHz) 5815	16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.50	16.23 16.23 Measured Avg. Power (dBm) 16.31	1.01 1.01 Duty cycle scaling 1.01	106.41% 106.41% Power scaling 104.47%	0.072 0.037 Averaged SAR Measured 0.055	0.077 0.040 over 1g (W/kg) Reported 0.058	
Tx1 Tx1 Tx1 Tx1 Antenna Tx1 Tx1	Right Edge Left Edge Bottom Edge  Position  Back Surface Top Edge	0 0 0 Distance (mm)	155 155 Channel 163	5775 5775 Freq. (MHz) 5815 5815	16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 16.50	16.23 16.23 Measured Avg. Power (dBm) 16.31 16.31	1.01 1.01 Duty cycle scaling 1.01 1.01	106.41% 106.41% Power scaling 104.47%	0.072 0.037 Averaged SAR Measured 0.055 0.260	0.077 0.040 over 1g (W/kg) Reported 0.058 0.274	0
	Tx1	Tx1	Tx1	Tx1	Tx1	Tx1	Till   Back Surface   O	Tx1	Trit	Tri	Table   Back Surface   O

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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Page: 79 of 170

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)	scamy	Scaling	Measured	Reported	
WLAN 802.11b	Tx2	Back Surface	0	6	2437	18.50	18.46	1.01	100.93%	0.113	0.116	-
WLAN 802.11b	Tx2	Top Edge	0	1	2412	18.50	18.42	1.01	101.86%	0.532	0.549	-
WLAN 802.11b	Tx2	Top Edge	0	6	2437	18.50	18.46	1.01	100.93%	0.588	0.601	800
WLAN 802.11b	Tx2	Top Edge	0	11	2462	18.50	18.35	1.01	103.51%	0.529	0.555	-
WLAN 802.11b	Tx2	Right Edge	0	6	2437	18.50	18.46	1.01	100.93%	0.040	0.041	-
WLAN 802.11b	Tx2	Left Edge	0	6	2437	18.50	18.46	1.01	100.93%	0.017	0.017	-
WLAN 802.11b	Tx2	Bottom Edge	0	6	2437	18.50	18.46	1.01	100.93%	0.022	0.022	-
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) 5.2G	Tx2	Back Surface	0	42	5210	16.50	16.26	1.01	105.68%	Measured 0.168	Reported 0.179	_
WLAN 802.11ac(80M) 5.2G WLAN 802.11ac(80M) 5.2G	Tx2		0	42	5210	16.50	16.26	1.01	105.68%	0.100	0.179	009
WLAN 802.11ac(80M) 5.2G WLAN 802.11ac(80M) 5.2G	Tx2	Top Edge Right Edge	0	42	5210	16.50	16.26	1.01	105.68%	0.092	0.952	009
. ,	Tx2		0	42	5210	16.50	16.26	1.01		0.080	0.005	-
WLAN 802.11ac(80M) 5.2G WLAN 802.11ac(80M) 5.2G	Tx2	Left Edge	0	42	5210	16.50	16.26	1.01	105.68%	0.020	0.021	-
WLAN 802.11ac(80M) 5.2G	1X2	Bottom Edge	0	42	5210			1.01	105.68%	0.060	0.064	-
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) 5.3G	Tx2	Back Surface	0	58	5290	16.50	16.48	1.01	100.46%	0.094	0.095	
WLAN 802.11ac(80M) 5.3G	Tx2	Top Edge	0	58	5290	16.50	16.48	1.01	100.46%	0.094	0.095	010
. ,												010
WLAN 802.11ac(80M) 5.3G	Tx2 Tx2	Right Edge	0	58 58	5290 5290	16.50 16.50	16.48 16.48	1.01	100.46%	0.045	0.046	-
WLAN 802.11ac(80M) 5.3G		Left Edge										-
WLAN 802.11ac(80M) 5.3G	Tx2	Bottom Edge	0	58	5290	16.50	16.48	1.01	100.46%	0.035	0.036	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
WLAN 802.11ac(80M) 5.6G	Tx2	Back Surface	0	138	5690	16.50	16.49	1.01	100.23%	0.084	0.085	
WLAN 802.11ac(80M) 5.6G	Tx2	Top Edge	0	106	5530	16.50	16.39	1.01	102.57%	0.385	0.399	
WLAN 802.11ac(80M) 5.6G	Tx2	Top Edge	0	122	5610	16.50	16.44	1.01	101.39%	0.414	0.424	
WLAN 802.11ac(80M) 5.6G	Tx2	Top Edge	0	138	5690	16.50	16.49	1.01	100.23%	0.472	0.478	011
WLAN 802.11ac(80M) 5.6G	Tx2	Right Edge	0	138	5690	16.50	16.49	1.01	100.23%	0.039	0.039	-
WLAN 802.11ac(80M) 5.6G	Tx2	Left Edge	0	138	5690	16.50	16.49	1.01	100.23%	0.025	0.025	-
WLAN 802.11ac(80M) 5.6G	Tx2	Bottom Edge	0	138	5690	16.50	16.49	1.01	100.23%	0.031	0.031	-
Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	ID
W. M. 000 44 - (00M 5 - 2		D. 1.0. (c.		455		Tolerance (dBm)	(dBm)	4.04	404.000	Measured	Reported	
WLAN 802.11ac(80M) 5.8G	Tx2	Back Surface	0	155	5775	16.50	16.32	1.01	104.23%	0.117	0.123	-
WLAN 802.11ac(80M) 5.8G	Tx2	Top Edge	0	155	5775	16.50	16.32	1.01	104.23%	0.560	0.590	012
WLAN 802.11ac(80M) 5.8G	Tx2	Right Edge	0	155	5775	16.50	16.32	1.01	104.23%	0.044	0.046	-
WLAN 802.11ac(80M) 5.8G	Tx2	Left Edge	0	155	5775	16.50	16.32	1.01	104.23%	0.031	0.033	-
WLAN 802.11ac(80M) 5.8G	Tx2	Bottom Edge	0	155	5775	16.50	16.32	1.01	104.23%	0.036	0.038	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR Measured	over 1g (W/kg)	ID
WLAN 802.11ac(160M) 5.9G	Tx2	Back Surface	0	163	5815	16.50	16.23	1.01	106.41%	0.058	0.062	
WLAN 802.11ac(160M) 5.9G	Tx2	Top Edge	0	163	5815	16.50	16.23	1.01	106.41%	0.038	0.002	013
WLAN 802.11ac(160M) 5.9G	Tx2	Right Edge	0	163	5815	16.50	16.23	1.01	106.41%	0.032	0.290	- 013
WLAN 802.11ac(160M) 5.9G WLAN 802.11ac(160M) 5.9G	Tx2	Left Edge	0	163	5815	16.50	16.23	1.01	106.41%	0.032	0.034	-
WLAN 802.11ac(160M) 5.9G	Tx2	Bottom Edge	0	163	5815	16.50	16.23	1.01	106.41%	0.022	0.024	
**E-14 002. 1 18U( 1001VI) 3.9G	1 1/2	Buttom Euge	L 0	103	3013	10.50	10.23	1.01	100.41%	0.023	0.031	

Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(112.12)	Tolerance (dBm)	(dBm)	Jodania	Journal	Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Back Surface	0	15	6025	16.50	16.49	1.02	100.23%	0.061	0.062	0.581	0.592	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Back Surface	0	47	6185	16.50	16.47	1.02	100.69%	0.052	0.053	0.504	0.516	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	15	6025	16.50	16.49	1.02	100.23%	0.558	0.569	3.66	3.731	014
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	47	6185	16.50	16.47	1.02	100.69%	0.530	0.543	3.59	3.676	015
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	79	6345	16.50	16.43	1.02	101.62%	0.509	0.526	3.43	3.545	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Right Edge	0	15	6025	16.50	16.49	1.02	100.23%	0.036	0.037	0.316	0.322	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Right Edge	0	47	6185	16.50	16.47	1.02	100.69%	0.035	0.036	0.305	0.312	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Left Edge	0	15	6025	16.50	16.49	1.02	100.23%	0.014	0.014	0.156	0.159	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Left Edge	0	47	6185	16.50	16.47	1.02	100.69%	0.012	0.012	0.134	0.137	
Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(111112)	Tolerance (dBm)	(dBm)	Jodania	Journa	Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Back Surface	0	111	6505	15.50	15.23	1.02	106.41%	0.044	0.048	0.394	0.426	-
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Top Edge	0	111	6505	15.50	15.23	1.02	106.41%	0.388	0.420	2.16	2.338	016
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Right Edge	0	111	6505	15.50	15.23	1.02	106.41%	0.032	0.035	0.221	0.239	-
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Left Edge	0	111	6505	15.50	15.23	1.02	106.41%	0.011	0.012	0.075	0.081	
Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			(11111)		(IVII IZ)	Tolerance (dBm)	(dBm)	Scaling	Scaling	Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Back Surface	0	143	6665	16.50	16.47	1.02	100.69%	0.078	0.080	0.64	0.655	
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Top Edge	0	143	6665	16.50	16.47	1.02	100.69%	0.612	0.627	3.81	3.902	017
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Top Edge	0	175	6825	15.00	14.87	1.02	103.04%	0.543	0.569	3.23	3.385	
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Right Edge	0	143	6665	16.50	16.47	1.02	100.69%	0.028	0.029	0.273	0.280	
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Left Edge	0	143	6665	16.50	16.47	1.02	100.69%	0.013	0.013	0.144	0.147	
Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(142 12)	Tolerance (dBm)	(dBm)	Journa	ocaning	Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Back Surface	0	207	6985	15.50	15.49	1.02	100.23%	0.033	0.034	0.34	0.347	
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Top Edge	0	207	6985	15.50	15.49	1.02	100.23%	0.372	0.379	2.25	2.294	018
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Right Edge	0	207	6985	15.50	15.49	1.02	100.23%	0.021	0.021	0.132	0.135	
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Left Edge	0	207	6985	15.50	15.49	1.02	100.23%	0.011	0.011	0.089	0.091	-

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Page: 80 of 170

Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			` '		` ′	Tolerance (dBm)	(dBm)			Measured	Reported	Measured	Reported	
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Back Surface	0	15	6025	16.50	16.43	1.02	101.62%	0.035	0.036	0.294	0.304	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Back Surface	0	47	6185	16.50	16.39	1.02	102.57%	0.031	0.032	0.274	0.286	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge	0	15	6025	16.50	16.43	1.02	101.62%	0.426	0.440	2.65	2.739	019
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge	0	47	6185	16.50	16.39	1.02	102.57%	0.304	0.317	2.53	2.639	020
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge	0	79	6345	16.50	16.28	1.02	105.20%	0.284	0.304	2.39	2.557	
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Right Edge	0	15	6025	16.50	16.43	1.02	101.62%	0.030	0.031	0.248	0.256	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Right Edge	0	47	6185	16.50	16.39	1.02	102.57%	0.024	0.025	0.168	0.175	
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Left Edge	0	15	6025	16.50	16.43	1.02	101.62%	0.015	0.016	0.102	0.105	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Left Edge	0	47	6185	16.50	16.39	1.02	102.57%	0.012	0.013	0.083	0.087	
Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		()	Tolerance (dBm)	(dBm)			Measured	Reported	Measured	Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Back Surface	0	111	6505	15.50	15.40	1.02	102.33%	0.023	0.024	0.245	0.255	
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Top Edge	0	111	6505	15.50	15.40	1.02	102.33%	0.084	0.087	0.584	0.608	021
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Right Edge	0	111	6505	15.50	15.40	1.02	102.33%	0.015	0.016	0.119	0.124	
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Left Edge	0	111	6505	15.50	15.40	1.02	102.33%	0.013	0.014	0.079	0.082	
Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(1411 12)	Tolerance (dBm)	(dBm)	ocaning	County	Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Back Surface	0	143	6665	16.50	16.45	1.02	101.16%	0.036	0.037	0.322	0.331	-
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge	0	143	6665	16.50	16.45	1.02	101.16%	0.405	0.417	1.58	1.625	022
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge	0	175	6825	15.00	14.93	1.02	101.62%	0.334	0.345	1.31	1.354	
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Right Edge	0	143	6665	16.50	16.45	1.02	101.16%	0.023	0.024	0.156	0.160	-
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Left Edge	0	143	6665	16.50	16.45	1.02	101.16%	0.015	0.015	0.111	0.114	
Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated APD	W/m^2 (4cm^2)	ID
			()		(	Tolerance (dBm)	(dBm)			Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Back Surface	0	207	6985	15.50	15.48	1.02	100.46%	0.033	0.034	0.302	0.309	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Top Edge	0	207	6985	15.50	15.48	1.02	100.46%	0.349	0.357	1.32	1.349	023
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Right Edge	0	207	6985	15.50	15.48	1.02	100.46%	0.020	0.020	0.132	0.135	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Left Edge	0	207	6985	15.50	15.48	1.02	100.46%	0.013	0.013	0.095	0.097	-

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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Page: 81 of 170

# Vendor 1 **Tablet mode**

Band	Antenna	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	li li
Ballu	Antenna	POSITION	(mm)	Chaine	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	"
WLAN 802.11b	Tx1	Back Surface	0	11	2462	18.50	18.46	1.01	100.93%	0.149	0.152	
WLAN 802.11b	Tx1	Top Edge	0	1	2412	18.50	18.45	1.01	101.16%	0.758	0.777	
WLAN 802.11b	Tx1	Top Edge	0	6	2437	18.50	18.39	1.01	102.57%	0.802	0.833	
WLAN 802.11b	Tx1	Top Edge	0	11	2462	18.50	18.46	1.01	100.93%	0.867	0.886	0:
WLAN 802.11b	Tx1					18.50	18.46	1.01			0.000	0
		Right Edge	0	11	2462				100.93%	0.017		
WLAN 802.11b	Tx1	Left Edge	0	11	2462	18.50	18.46	1.01	100.93%	0.041	0.042	
WLAN 802.11b	Tx1	Bottom Edge	0	11	2462	18.50	18.46	1.01	100.93%	0.033	0.034	
WLAN 802.11b	Tx1	Top Edge*	0	11	2462	18.50	18.46	1.01	100.93%	0.855	0.874	
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)	
						, , , , ,	(dBm)			Measured	Reported	
Bluetooth(GFSK)	Tx1	Back Surface	0	00	2402	11.50	11.35	1.31	103.51%	0.018	0.024	
Bluetooth(GFSK)	Tx1	Top Edge	0	00	2402	11.50	11.35	1.31	103.51%	0.129	0.175	0
Bluetooth(GFSK)	Tx1	Top Edge	0	39	2441	11.50	11.29	1.31	104.95%	0.111	0.153	
Bluetooth(GFSK)	Tx1	Top Edge	0	78	2480	11.50	11.31	1.31	104.47%	0.105	0.144	
Bluetooth(GFSK)	Tx1	Right Edge	0	00	2402	11.50	11.35	1.31	103.51%	0.003	0.004	
Bluetooth(GFSK)	Tx1	Left Edge	0	00	2402	11.50	11.35	1.31	103.51%	0.007	0.010	
Bluetooth(GFSK)	Tx1	Bottom Edge	0	00	2402	11.50	11.35	1.31	103.51%	0.006	0.008	
Bidetootii(Gi Git)	IXI	Dottom Lage	Ů	- 00	2402			1.51	100.0170	0.000	0.000	
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	1
WLAN 802.11ac(80M) 5.2G	Tx1	Back Surface	0	42	5210	16.50	16.47	1.01	100.69%	0.145	0.147	
WLAN 802.11ac(80M) 5.2G	Tx1	Top Edge	0	42	5210	16.50	16.47	1.01	100.69%	0.977	0.994	(
WLAN 802.11ac(80M) 5.2G	Tx1	Right Edge	0	42	5210	16.50	16.47	1.01	100.69%	0.045	0.046	
	Tx1			42			16.47				0.104	
WLAN 802.11ac(80M) 5.2G		Left Edge	0		5210	16.50		1.01	100.69%	0.102		
WLAN 802.11ac(80M) 5.2G	Tx1	Bottom Edge	0	42	5210	16.50	16.47	1.01	100.69%	0.051	0.052	
WLAN 802.11ac(80M) 5.2G	Tx1	Top Edge*	0	42	5210	16.50	16.47	1.01	100.69%	0.965	0.981	
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)	
	_					Tolerance (dBm)	(dBm)			Measured	Reported	
WLAN 802.11ac(80M) 5.3G	Tx1	Back Surface	0	58	5290	16.50	16.24	1.01	106.17%	0.083	0.089	
WLAN 802.11ac(80M) 5.3G	Tx1	Top Edge	0	58	5290	16.50	16.24	1.01	106.17%	0.463	0.496	(
WLAN 802.11ac(80M) 5.3G	Tx1	Right Edge	0	58	5290	16.50	16.24	1.01	106.17%	0.031	0.033	
WLAN 802.11ac(80M) 5.3G	Tx1	Left Edge	0	58	5290	16.50	16.24	1.01	106.17%	0.060	0.064	
WLAN 802.11ac(80M) 5.3G	Tx1	Bottom Edge	0	58	5290	16.50	16.24	1.01	106.17%	0.044	0.047	
,	•••		-									
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	
WLAN 802.11ac(80M) 5.6G	Tx1	Back Surface	0	106	5530	16.50	16.48	1.01	100.46%	0.099	0.100	
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	106	5530	16.50	16.48	1.01	100.46%	0.528	0.536	(
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	122	5610	16.50	16.35	1.01	103.51%	0.482	0.504	
WLAN 802.11ac(80M) 5.6G	Tx1	Top Edge	0	138	5690	16.50	16.30	1.01	104.71%	0.490	0.518	
WLAN 802.11ac(80M) 5.6G	Tx1	Right Edge	0	106	5530	16.50	16.48	1.01	100.46%	0.032	0.032	
WLAN 802.11ac(80M) 5.6G	Tx1	Left Edge	0	106	5530	16.50	16.48	1.01	100.46%	0.073	0.074	
WLAN 802.11ac(80M) 5.6G	Tx1	Bottom Edge	0	106	5530	16.50	16.48	1.01	100.46%	0.043	0.044	
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)	
MI AN 000 44/0014 5 00	т.	Deels O. Krist	_	455	F775			4.64	400 4407		Reported	
WLAN 802.11ac(80M) 5.8G	Tx1	Back Surface	0	155	5775	16.50	16.23	1.01	106.41%	0.092	0.099	
WLAN 802.11ac(80M) 5.8G	Tx1	Top Edge	0	155	5775	16.50	16.23	1.01	106.41%	0.526	0.565	(
WLAN 802.11ac(80M) 5.8G	Tx1	Right Edge	0	155	5775	16.50	16.23	1.01	106.41%	0.033	0.035	
WLAN 802.11ac(80M) 5.8G	Tx1	Left Edge	0	155	5775	16.50	16.23	1.01	106.41%	0.072	0.077	
WLAN 802.11ac(80M) 5.8G	Tx1	Bottom Edge	0	155	5775	16.50	16.23	1.01	106.41%	0.044	0.047	
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)	
			(111111)				(dBm)			Measured	Reported	
// AN 000 44 - /4555 5 5 5		Doub for it		400		Tolerance (dBm)	40				0.071	l
, ,	Tx1	Back Surface	0	163	5815	16.50	16.31	1.01	104.47%	0.067		
VLAN 802.11ac(160M) 5.9G	Tx1 Tx1	Top Edge	0	163	5815	16.50 16.50	16.31	1.01	104.47%	0.266	0.281	(
VLAN 802.11ac(160M) 5.9G	Tx1 Tx1 Tx1		0			16.50					0.281 0.023	C
VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G	Tx1 Tx1	Top Edge	0	163	5815	16.50 16.50	16.31	1.01	104.47%	0.266		(
/LAN 802.11ac(160M) 5.9G /LAN 802.11ac(160M) 5.9G /LAN 802.11ac(160M) 5.9G	Tx1 Tx1 Tx1	Top Edge Right Edge	0 0	163 163	5815 5815	16.50 16.50 16.50	16.31 16.31	1.01 1.01	104.47% 104.47%	0.266 0.022	0.023	(
VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G	Tx1 Tx1 Tx1 Tx1 Tx1	Top Edge Right Edge Left Edge	0 0 0 0	163 163 163	5815 5815 5815	16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max.	16.31 16.31 16.31 16.31 Measured Avg. Power	1.01 1.01 1.01	104.47% 104.47% 104.47%	0.266 0.022 0.038 0.028 Averaged SAR	0.023 0.040 0.030 over 1g (W/kg)	
VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G	Txt Txt Txt Txt Txt Txt Antenna	Top Edge Right Edge Left Edge Bottom Edge  Position	0 0 0 0 0 0 Distance (mm)	163 163 163 163 Channel	5815 5815 5815 5815 Freq. (MHz)	16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm)	1.01 1.01 1.01 1.01 Duty cycle scaling	104.47% 104.47% 104.47% 104.47% Power scaling	0.266 0.022 0.038 0.028 Averaged SAR Measured	0.023 0.040 0.030 over 1g (W/kg)	
VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G Band WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1	Top Edge Right Edge Left Edge Bottom Edge  Position  Back Surface	0 0 0 0 0 0 0 Distance (mm)	163 163 163 163 Channel	5815 5815 5815 5815 Freq. (MHz)	16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35	1.01 1.01 1.01 1.01 Duty cycle scaling	104.47% 104.47% 104.47% 104.47% Power scaling 103.51%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115	
VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G Band WLAN 802.11b WLAN 802.11b	Tx1	Top Edge Right Edge Left Edge Bottom Edge  Position  Back Surface Top Edge	0 0 0 0 0 0 Distance (mm)	163 163 163 163 Channel	5815 5815 5815 5815 Freq. (MHz) 2462 2437	16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35	1.01 1.01 1.01 1.01 Duty cycle scaling 1.01	104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 100.93%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115 0.625	1
VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G Band WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1	Top Edge Right Edge Left Edge Bottom Edge  Position  Back Surface Top Edge Top Edge	0 0 0 0 0 0 0 Distance (mm)	163 163 163 163 Channel	5815 5815 5815 5815 Freq. (MHz)	16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.46 18.35	1.01 1.01 1.01 1.01 Duty cycle scaling	104.47% 104.47% 104.47% 104.47% Power scaling 103.51%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115	C
VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G Band WLAN 802.11b WLAN 802.11b	Tx1	Top Edge Right Edge Left Edge Bottom Edge  Position  Back Surface Top Edge	0 0 0 0 0 0 Distance (mm)	163 163 163 163 Channel	5815 5815 5815 5815 Freq. (MHz) 2462 2437	16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35	1.01 1.01 1.01 1.01 Duty cycle scaling 1.01	104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 100.93%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115 0.625	
VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G Band WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1	Top Edge Right Edge Left Edge Bottom Edge  Position  Back Surface Top Edge Top Edge	0 0 0 0 0 0 Distance (mm)	163 163 163 163 163 Channel	5815 5815 5815 5815 5815 Freq. (MHz) 2462 2437 2462	16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.46 18.35	1.01 1.01 1.01 1.01 1.01 Duty cycle scaling 1.01 1.01	104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 100.93%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115 0.625 0.602	(
VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G VLAN 802.11ac(160M) 5.9G Band WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Top Edge Right Edge Left Edge Bottom Edge Position  Back Surface Top Edge Top Edge Right Edge Right Edge	0 0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 0 0 0	163 163 163 163 Channel 11 6 11 1	5815 5815 5815 5815 5815 Freq. (MHz) 2462 2437 2462 2412 2462	16.50 16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50 18.50 18.50 18.50	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.46 18.35 18.42	1.01 1.01 1.01 1.01 1.01 Duty cycle scaling 1.01 1.01 1.01	104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 100.93% 103.51% 101.86% 103.51%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574 0.554	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115 0.625 0.602 0.572 0.041	C
VLAN 802.11ac(160M) 5.9G VLAN 802.11b WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1  Antenna  Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx	Top Edge Right Edge Left Edge Bottom Edge Position Back Surface Top Edge Top Edge Right Edge Left Edge Left Edge	0 0 0 0 0 0 Distance (mm) 0 0	163 163 163 163 163 Channel  11 6 11 11 11	5815 5815 5815 5815 Freq. (MHz) 2462 2437 2462 2412 2462 2462	16.50 16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50 18.50 18.50 18.50 18.50	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.46 18.35 18.42 18.35	1.01 1.01 1.01 1.01 1.01 Duty cycle scaling 1.01 1.01 1.01 1.01	104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 100.93% 103.51% 101.86% 103.51%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574 0.554 0.039	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115 0.625 0.602 0.572 0.041	
WLAN 802.11ac(160M) 5.9G WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2	Top Edge Right Edge Left Edge Bottom Edge Position  Back Surface Top Edge Top Edge Right Edge Right Edge	0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 Distance 0 Distance 0 Distance 0 Distance 0 Distance 0 Distance	163 163 163 163 Channel 11 6 11 1	5815 5815 5815 5815 Freq. (MHz) 2462 2437 2462 2412 2462 2462 2462 2462 7 Freq. (MHz)	16.50 16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50 18.50 18.50 18.50	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.46 18.35 18.42 18.35 18.35 18.35 Measured	1.01 1.01 1.01 1.01 1.01 Duty cycle scaling 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.0	104.47% 104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 101.86% 103.51% 103.51% 103.51% Power	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574 0.054 0.039 0.017	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115 0.625 0.602 0.572 0.041	(
WLAN 802.11ac(160M) 5.9G WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1  Antenna  Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx	Top Edge Right Edge Left Edge Bottom Edge Position  Back Surface Top Edge Top Edge Right Edge Right Edge Left Edge Bottom Edge	0 0 0 0 0 0 Distance (mm) 0 0 0	163 163 163 163 163 Channel 11 6 11 1 11 11	5815 5815 5815 5815 Freq. (MHz) 2462 2437 2462 2412 2462 2462 2462 2462	16.50 16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50 18.50 18.50 18.50 18.50 18.50 Max. Rated Avg.	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.46 18.35 18.42 18.35 18.35	1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01	104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 100.93% 103.51% 101.86% 103.51% 103.51%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574 0.054 0.039 0.017	0.023 0.040 0.030 cover 1g (W/kg) Reported 0.115 0.625 0.602 0.572 0.041 0.018	C
WLAN 802.11ac(160M) 5.9G WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1  Antenna  Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx	Top Edge Right Edge Left Edge Bottom Edge Position  Back Surface Top Edge Top Edge Right Edge Right Edge Left Edge Bottom Edge	0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 0 Distance 0 Distance 0 Distance 0 Distance 0 Distance 0 Distance	163 163 163 163 Channel 11 6 11 1 1 11 11	5815 5815 5815 5815 Freq. (MHz) 2462 2437 2462 2412 2462 2462 2462 2462 7 Freq. (MHz)	16.50 16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50 18.50 18.50 18.50 18.50 Max. Rated Avg. Power + Max. Power + Max.	16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.46 18.35 18.42 18.35 18.35 18.35	1.01 1.01 1.01 1.01 1.01 Duty cycle scaling 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.0	104.47% 104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 101.86% 103.51% 103.51% 103.51% Power	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574 0.054 0.039 0.017 0.018 Averaged SAR	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115 0.625 0.602 0.572 0.041 0.018 0.019	C
WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1  Antenna  Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx	Top Edge Right Edge Left Edge Bottom Edge Position  Back Surface Top Edge Right Edge Right Edge Left Edge Bottom Edge Bottom Edge Right Edge Left Edge Bottom Edge Bottom Edge Position  Back Surface	0 0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 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	163 163 163 163 163 Channel 11 6 11 11 11 11 11 Channel	5815 5815 5815 5815 Freq. (MHz) 2462 2437 2462 2412 2462 2462 2462 2462 2462 5210	16.50 16.50 16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50 18.50 18.50 18.50 18.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.31 16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.46 18.35 18.35 18.35 18.35 18.35 18.35 18.35	1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01	104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 100.93% 103.51% 103.51% 103.51% 103.51% 103.51% 103.51%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574 0.554 0.039 0.017 0.018 Averaged SAR Measured	0.023 0.040 0.030 Reported 0.115 0.625 0.602 0.572 0.041 0.018 0.019 over 1g (W/kg)	C
WLAN 802.11ac(160M) 5.9G WLAN 802.11ac(160M) 5.9G WLAN 802.11ac(160M) 5.9G WLAN 802.11ac(160M) 5.9G WLAN 802.11b Sand	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Antenna Tx2	Top Edge Right Edge Left Edge Bottom Edge  Position  Back Surface Top Edge Top Edge Right Edge Left Edge Bottom Edge  Fosition  Back Surface Top Edge Top Edge Right Edge Left Edge Bottom Edge  Position  Back Surface Top Edge	0 0 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	163 163 163 163 163 Channel 11 6 11 11 11 11 Channel 42 42	5815 5815 5815 5815 Freq. (MHz) 2462 2437 2462 2412 2462 2462 2462 2462 Freq. (MHz) 5210	16.50 16.50 16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50 18.50 18.50 18.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50	16.31 16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.42 18.35 18.42 18.35 Measured Avg. Power (dBm)	1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01	104.47% 104.47% 104.47% 104.47% 104.47% 101.47% Power scaling 103.51% 100.93% 103.51% 101.86% 103.51% 103.51% 103.51% 103.51%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574 0.554 0.019 0.017 0.018 Averaged SAR Measured 0.019 0.017	0.023 0.040 0.030 over 1g (W/kg) Reported 0.115 0.625 0.602 0.602 0.041 0.018 0.019 over 1g (W/kg) Reported 0.098 0.973	C
WLAN 802.11ac(160M) 5.9G WLAN 802.11b	Tx1 Tx1 Tx1 Tx1 Tx1 Tx1 Tx1  Antenna  Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx2 Tx	Top Edge Right Edge Left Edge Bottom Edge Position  Back Surface Top Edge Right Edge Right Edge Left Edge Bottom Edge Bottom Edge Right Edge Left Edge Bottom Edge Bottom Edge Position  Back Surface	0 0 0 0 0 Distance (mm) 0 0 0 0 0 0 0 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	163 163 163 163 163 Channel 11 6 11 11 11 11 11 Channel	5815 5815 5815 5815 Freq. (MHz) 2462 2437 2462 2412 2462 2462 2462 2462 2462 5210	16.50 16.50 16.50 16.50 16.50 16.50 16.50 Max. Rated Avg. Power + Max. Tolerance (dBm) 18.50 18.50 18.50 18.50 18.50 18.50 Max. Rated Avg. Power + Max. Tolerance (dBm)	16.31 16.31 16.31 16.31 16.31 Measured Avg. Power (dBm) 18.35 18.46 18.35 18.35 18.35 18.35 18.35 18.35 18.35	1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01	104.47% 104.47% 104.47% 104.47% Power scaling 103.51% 100.93% 103.51% 103.51% 103.51% 103.51% 103.51% 103.51%	0.266 0.022 0.038 0.028 Averaged SAR Measured 0.110 0.611 0.574 0.554 0.039 0.017 0.018 Averaged SAR Measured	0.023 0.040 0.030 Reported 0.115 0.625 0.602 0.572 0.041 0.018 0.019 over 1g (W/kg)	C

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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Page: 82 of 170

WLAN 802.11ac(80M) 5.3G   Tx2   Back Surface   0   58   5290   16.50   16.48   1.01   100.46%   0.054   0.055   0.05	Band	Antenna	Position	Distance	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAR	over 1g (W/kg)	ID
WILAN 802.11ac(80M) 5.3G		13.10		(mm)		(MHz)			scaling	scaling	Measured	Reported	
WLAN 802.11ac(80M) 5.3G	WLAN 802.11ac(80M) 5.3G	Tx2	Back Surface	0	58	5290	16.50	16.48	1.01	100.46%	0.054	0.055	-
WLAN 802.11ac(80M) 5.3G   Tx2   Left Edge   0   58   5290   16.50   16.48   1.01   100.46%   0.006   0.006   0.006   WLAN 802.11ac(80M) 5.3G   Tx2   Bottom Edge   0   58   5290   16.50   16.48   1.01   100.46%   0.023	WLAN 802.11ac(80M) 5.3G	Tx2	Top Edge	0	58	5290	16.50	16.48	1.01	100.46%	0.451	0.458	066
WLAN 802.11ac(80M) 5.3G	WLAN 802.11ac(80M) 5.3G	Tx2	Right Edge	0	58	5290	16.50	16.48	1.01	100.46%	0.028	0.028	-
Band	WLAN 802.11ac(80M) 5.3G	Tx2	Left Edge	0	58	5290	16.50	16.48	1.01	100.46%	0.006	0.006	
Marten   Position	WLAN 802.11ac(80M) 5.3G	Tx2	Bottom Edge	0	58	5290	16.50	16.48	1.01	100.46%	0.023	0.023	
WLAN 802.11ac(80M) 5.6G	Band	Antenna	Position		Channel		Power + Max.	Avg. Power					ID
WLAN 802.11ac(80M) 5.6G   Tx2   Top Edge   0   106   5530   16.50   16.39   1.01   102.57%   0.408   0.423	WLAN 802 11ac(80M) 5.6G	Tv2	Back Surface	0	138	5690	1 /	, ,	1.01	100 23%			
WLAN 802.11ac(80M) 5.6G   Tx2   Top Edge   0   122   5610   16.50   16.44   1.01   101.39%   0.423   0.433   0.433   0.44N 802.11ac(80M) 5.6G   Tx2   Top Edge   0   138   5690   16.50   16.49   1.01   100.23%   0.492   0.498   0.000   0	, ,												
WLAN 802.11ac(80M) 5.6G   Tx2   Top Edge   0   138   5690   16.50   16.49   1.01   100.23%   0.031	. ,												
WLAN 802.11ac(80M) 5.6G   Tx2   Right Edge   0   138   5690   16.50   16.49   1.01   100.23%   0.031   0.031				0									067
WLAN 802.11ac(80M) 5.6G   Tx2   Bottom Edge   0   138   5690   16.50   16.49   1.01   100.23%   0.009   0.009	, ,		, ,	0									-
WLAN 802.11ac(80M) 5.6G   Tx2   Bottom Edge   0   138   5690   16.50   16.49   1.01   100.23%   0.027   0.027	. ,	Tx2		0				16.49				0.009	-
Band	WLAN 802.11ac(80M) 5.6G	Tx2	Bottom Edge	0	138	5690	16.50	16.49	1.01	100.23%	0.027	0.027	-
WLAN 802.11ac(80M) 5.8G   Tx2   Back Surface   0   155   5775   16.50   16.32   1.01   104.23%   0.071   0.075	Band	Antenna			Channel		Power + Max.	Avg. Power					ID
WLAN 802.11ac(80M) 5.8G   Tx2   Top Edge   0   155   5775   16.50   16.32   1.01   104.23%   0.577   0.607				1 1		, ,		, ,					
WLAN 802.11ac(80M) 5.8G   Tx2   Right Edge   0   155   5775   16.50   16.32   1.01   104.23%   0.036   0.038				-									-
WLAN 802.11ac(80M) 5.8G   Tx2   Left Edge   0   155   5775   16.50   16.32   1.01   104.23%   0.014   0.015	. ,			-									068
WLAN 802.11ac(160M) 5.9G   Tx2   Bottom Edge   0   155   5775   16.50   16.32   1.01   104.23%   0.031   0.033	, ,			_									-
Band         Antenna         Position (mm)         Distance (mm)         Channel (mHz)         Freq. (MHz)         Max. Rated Avg. Power (MHz)         Measured Avg. Power (MBm)         Duty cycle scaling scaling         Power scaling         Averaged SAR over 1g (W/kg)         Image: Measured SAR over 1g (W/kg)         Measured SAR over 1				-									-
Band   Antenna   Position   Distance (mm)   Channel (mHz)   Power (MHz	WLAN 802.11ac(80M) 5.8G	1X2	Bottom Eage	0	155	5//5			1.01	104.23%	0.031	0.033	-
WLAN 802.11ac(160M) 5.9G         Tx2         Back Surface         0         163         5815         16.50         16.23         1.01         106.41%         0.042         0.045           WLAN 802.11ac(160M) 5.9G         Tx2         Top Edge         0         163         5815         16.50         16.23         1.01         106.41%         0.277         0.298         0	Band	Antenna	Position		Channel		Power + Max.	Avg. Power			0 0 0		ID
WLAN 802.11ac(160M) 5.9G Tx2 Top Edge 0 163 5815 16.50 16.23 1.01 106.41% 0.277 0.298 0	W/I AN 902 11cc/160M/ 5 00	T <sub>v</sub> 2	Pook Surface	0	162	E01E		(- /	1.01	106 419/			
				-									069
WEAR 802. 11aC (100W) 3.90 1A2 Night Edge 0 103 5815 16.50 16.23 1.01 106.41% 0.018 0.019				-									009
WLAN 802.11ac(160M) 5.9G Tx2 Left Edge 0 163 5815 16.50 16.23 1.01 106.41% 0.007 0.007			3	-									
WLAN 802.11ac(160M) 5.96 Tx2 Bottom Edge 0 163 5815 16.50 16.23 1.01 106.41 % 0.015 0.016	( /												

Band	Antenna	Position	Distance (mm)	Channel	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle scaling	Power scaling	Averaged SAR	over 1g (W/kg)	Estimated 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	16.50	16.49	1.02	100.23%	0.094	0.096	0.822	0.838	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Back Surface	0	47	6185	16.50	16.47	1.02	100.69%	0.086	0.088	0.755	0.773	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	15	6025	16.50	16.49	1.02	100.23%	0.856	0.873	5.17	5.270	070
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	47	6185	16.50	16.47	1.02	100.69%	0.885	0.906	6.09	6.236	071
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge	0	79	6345	16.50	16.43	1.02	101.62%	0.812	0.839	4.95	5.116	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Right Edge	0	15	6025	16.50	16.49	1.02	100.23%	0.043	0.044	0.318	0.324	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Right Edge	0	47	6185	16.50	16.47	1.02	100.69%	0.050	0.051	0.336	0.344	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Left Edge	0	15	6025	16.50	16.49	1.02	100.23%	0.018	0.018	0.126	0.128	-
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Left Edge	0	47	6185	16.50	16.47	1.02	100.69%	0.017	0.017	0.112	0.115	
U-NII-5 6.2GHz 802.11ax(160M)	Tx1	Top Edge*	0	47	6185	16.50	16.47	1.02	100.69%	0.875	0.896	6.00	6.144	
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
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Back Surface		111	6505	15.50	15.23	1.02	106.41%	Measured 0.054	Reported 0.058	Measured 0.578	Reported 0.626	
U-NII-6 6.5GHz 802.11ax(160M) U-NII-6 6.5GHz 802.11ax(160M)	Tx1		0	111	6505	15.50	15.23	1.02	106.41%	0.054	0.058	2.91	3.149	072
		Top Edge	0											
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Right Edge	0	111	6505	15.50	15.23	1.02	106.41%	0.031	0.034	0.203	0.220	-
U-NII-6 6.5GHz 802.11ax(160M)	Tx1	Left Edge	0	111	6505	15.50	15.23	1.02	106.41%	0.013	0.014	0.089	0.096	
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-7 6.7GHz 802.11ax(160M)	Tx1	Back Surface	0	143	6665	16.50	16.47	1.02	100.69%	0.103	0.105	0.932	0.954	-
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Top Edge	0	143	6665	16.50	16.47	1.02	100.69%	1.160	1.188	7.89	8.080	073
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Top Edge	0	175	6825	15.00	14.87	1.02	103.04%	0.945	0.990	6.32	6.623	-
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Right Edge	0	143	6665	16.50	16.47	1.02	100.69%	0.051	0.052	0.352	0.360	
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Left Edge	0	143	6665	16.50	16.47	1.02	100.69%	0.032	0.033	0.231	0.237	-
U-NII-7 6.7GHz 802.11ax(160M)	Tx1	Top Edge*	0	143	6665	16.50	16.47	1.02	100.69%	1.060	1.085	7.72	7.906	
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	15.50	15.49	1.02	100.23%	0.047	0.048	0.485	0.494	
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Top Edge	0	207	6985	15.50	15.49	1.02	100.23%	0.424	0.432	2.65	2.701	074
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Right Edge	0	207	6985	15.50	15.49	1.02	100.23%	0.028	0.029	0.188	0.192	
U-NII-8 7.0GHz 802.11ax(160M)	Tx1	Left Edge	0	207	6985	15.50	15.49	1.02	100.23%	0.015	0.015	0.102	0.104	•
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
11 NIII 5 C 2011- 200 44(400M)	Tx2	Deals Ourfees		45	6025	16.50		4.00	404.000/					
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Back Surface Back Surface	0	15 47	6185	16.50	16.43 16.39	1.02	101.62% 102.57%	0.068	0.070	0.59	0.610 0.566	
U-NII-5 6.2GHz 802.11ax(160M) U-NII-5 6.2GHz 802.11ax(160M)	Tx2		0	15	6025	16.50	16.43	1.02	102.57%	0.059	0.062	4.63	4.785	075
U-NII-5 6.2GHz 802.11ax(160M) U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge Top Edge	0	15 47	6185	16.50	16.43	1.02	101.62%	0.682	0.705	3.99	4.785	075
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Top Edge	0	79	6345	16.50	16.28	1.02	105.20%	0.511	0.547	3.75	4.012	•
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Right Edge	0	15	6025	16.50	16.43	1.02	101.62%	0.025	0.026	0.188	0.194	
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Right Edge	0	47	6185	16.50	16.39	1.02	102.57%	0.023	0.024	0.156	0.163	•
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Left Edge	0	15	6025	16.50	16.43	1.02	101.62%	0.024	0.025	0.175	0.181	•
U-NII-5 6.2GHz 802.11ax(160M)	Tx2	Left Edge	0	47	6185	16.50	16.39	1.02	102.57%	0.024	0.025	0.173	0.180	
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
LI AIII O O FOLI- 000 M(COOLS	7.0	Dark Codes	_	444	OFOE	, ,		4.00	400.0001		Reported		Reported	
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Back Surface	0	111	6505	15.50	15.40	1.02	102.33%	0.033	0.034	0.304	0.316	
U-NII-6 6.5GHz 802.11ax(160M)	Tx2 Tx2	Top Edge	0	111	6505	15.50 15.50	15.40	1.02	102.33%	0.242	0.252	1.95	2.029 0.102	077
U-NII-6 6.5GHz 802.11ax(160M)		Right Edge	0	111	6505		15.40	1.02	102.33%	0.014	0.015			
U-NII-6 6.5GHz 802.11ax(160M)	Tx2	Left Edge	0	111	6505	15.50	15.40	1.02	102.33%	0.011	0.011	0.073	0.076	-

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Page: 83 of 170

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
			(11111)		(IVII IZ)	Tolerance (dBm)	(dBm)	Scaling	acaing	Measured	Reported	Measured	Reported	
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Back Surface	0	143	6665	16.50	16.45	1.02	101.16%	0.073	0.075	0.612	0.630	-
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge	0	143	6665	16.50	16.45	1.02	101.16%	0.648	0.667	4.54	4.671	078
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Top Edge	0	175	6825	15.00	14.93	1.02	101.62%	0.621	0.642	4.22	4.361	-
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Right Edge	0	143	6665	16.50	16.45	1.02	101.16%	0.034	0.035	0.315	0.324	-
U-NII-7 6.7GHz 802.11ax(160M)	Tx2	Left Edge	0	143	6665	16.50	16.45	1.02	101.16%	0.025	0.026	0.179	0.184	-
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
			()		(1711 12)	Tolerance (dBm)	(dBm)	ocanig	boaring	Measured	Reported	Measured	Reported	
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Back Surface	0	207	6985	15.50	15.48	1.02	100.46%	0.041	0.042	0.411	0.420	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Top Edge	0	207	6985	15.50	15.48	1.02	100.46%	0.385	0.393	2.62	2.677	079
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Right Edge	0	207	6985	15.50	15.48	1.02	100.46%	0.025	0.026	0.186	0.190	-
U-NII-8 7.0GHz 802.11ax(160M)	Tx2	Left Edge	0	207	6985	15.50	15.48	1.02	100.46%	0.021	0.021	0.152	0.155	-

#### Note:

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

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Page: 84 of 170

# **Summary of PD Results**

#### Vendor 2

<u> </u>															
			D'		F	Max. Rated Avg.	Measured	<b>-</b>	B			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	16.50	16.49	100.23%	1.02	1.55	0.158	0.250	0.146	0.231	024
U-NII-5	Tx1	Top Edge	2	47	6185	16.50	16.47	100.69%	1.02	1.55	0.410	0.651	0.381	0.605	025
WLAN 6E 802.11ax(160M) U-NII-6	Tx1	Top Edge	2	111	6505	15.50	15.23	106.41%	1.02	1.55	0.232	0.389	0.227	0.381	026
WLAN 6E 802.11ax(160M) U-NII-7	Tx1	Top Edge	2	143	6665	16.50	16.47	100.69%	1.02	1.55	0.387	0.614	0.335	0.532	027
WLAN 6E 802.11ax(160M) U-NII-8	Tx1	Top Edge	2	207	6985	15.50	15.49	100.23%	1.02	1.55	1.220	1.928	1.050	1.659	028
					_	Max. Rated Avg.	Measured	_				PD resi	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	16.50	16.43	101.62%	1.02	1.55	2.560	4.101	2.200	3.524	029
U-NII-5	Tx2	Top Edge	2	47	6185	16.50	16.39	102.57%	1.02	1.55	2.060	3.331	1.810	2.926	030
WLAN 6E 802.11ax(160M) U-NII-6	Tx2	Top Edge	2	111	6505	15.50	15.40	102.33%	1.02	1.55	2.260	3.646	2.060	3.323	031
WLAN 6E 802.11ax(160M) U-NII-7	Tx2	Top Edge	2	143	6665	16.50	16.45	101.16%	1.02	1.55	2.760	4.401	2.620	4.178	032
WLAN 6E 802.11ax(160M) U-NII-8	Tx2	Top Edge	2	207	6985	15.50	15.48	100.46%	1.02	1.55	1.300	2.059	1.190	1.885	033

#### Vendor 1

					_	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	16.50	16.49	100.23%	1.02	1.55	2.380	3.760	2.170	3.429	080
U-NII-5	Tx1	Top Edge	2	47	6185	16.50	16.47	100.69%	1.02	1.55	2.340	3.714	2.100	3.333	081
WLAN 6E 802.11ax(160M) U-NII-6	Tx1	Top Edge	2	111	6505	15.50	15.23	106.41%	1.02	1.55	1.400	2.348	1.290	2.164	082
WLAN 6E 802.11ax(160M) U-NII-7	Tx1	Top Edge	2	143	6665	16.50	16.47	100.69%	1.02	1.55	3.630	5.762	3.010	4.778	083
WLAN 6E 802.11ax(160M) U-NII-8	Tx1	Top Edge	2	207	6985	15.50	15.49	100.23%	1.02	1.55	1.330	2.101	1.060	1.675	084
					_	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)	Tx2	Top Edge	2	15	6025	16.50	16.43	101.62%	1.02	1.55	2.780	4.453	2.390	3.829	085
U-NII-5	Tx2	Top Edge	2	47	6185	16.50	16.39	102.57%	1.02	1.55	2.320	3.751	1.900	3.072	086
WLAN 6E 802.11ax(160M) U-NII-6	Tx2	Top Edge	2	111	6505	15.50	15.40	102.33%	1.02	1.55	1.780	2.871	1.630	2.629	087
WLAN 6E 802.11ax(160M) U-NII-7	Tx2	Top Edge	2	143	6665	16.50	16.45	101.16%	1.02	1.55	3.160	5.039	2.830	4.513	088
WLAN 6E 802.11ax(160M) U-NII-8	Tx2	Top Edge	2	207	6985	15.50	15.48	100.46%	1.02	1.55	1.420	2.249	1.210	1.916	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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Page: 85 of 170

# 9 SIMULTANEOUS TRANSMISSION ANALYSIS

#### 9.1 Simultaneous Transmission Scenarios:

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

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Page: 86 of 170

#### **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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Page: 87 of 170

# **Simultaneous Transmission Combination** Vendor 2

					Reported SAR				Scenario1	Scenario2	Scenario3	Scenario4	Scenario5	Scenario6	Scenario7	Scenario8
	2 3 4 5 6 8 9							9	2+5	3+4	2+9	3+8	4+9	5+8	4+5+6	6+8+9
Exposure f	Exposure Position 2.4GHz WLAN TX1 5GHz WLAN TX1 5GHz WLAN TX1 5GHz WLAN TX1 5GHz WLAN TX1 6GHz WLAN						6GHz WLAN Tx2	Summed	Summed							
	1g SAR 1g SAR 1g SAR 1g SAR (W/kg) (W/kg) (W/kg) (W/kg)			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)									
Back Surface	0	0.166	0.116	0.127	0.179	0.030	0.080	0.037	0.345	0.243	0.203	0.196	0.164	0.259	0.336	0.147
Top Edge	0	0.909	0.601	0.916	0.952	0.177	0.627	0.440	1.861	1.517	1.349	1.228	1.356	1.579	2.045	1.244
Right Edge	0	0.025	0.041	0.048	0.085	0.005	0.037	0.031	0.110	0.089	0.056	0.078	0.079	0.122	0.138	0.073
Left Edge	0	0.040	0.017	0.095	0.033	0.008	0.014	0.016	0.073	0.112	0.056	0.031	0.111	0.047	0.136	0.038

#### Vendor 1

	•															
					Reported SAR				Scenario1	Scenario2	Scenario3	Scenario4	Scenario5	Scenario6	Scenario7	Scenario8
		2	3	4	5	6	8	9	2+5	3+4	2+9	3+8	4+9	5+8	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						
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg						
Back Surface	0	0.152	0.115	0.147	0.098	0.024	0.105	0.075	0.250	0.262	0.227	0.220	0.222	0.203	0.269	0.204
Top Edge	0	0.886	0.625	0.994	0.973	0.175	1.188	0.705	1.859	1.619	1.591	1.813	1.699	2.161	2.142	2.068
Right Edge	0	0.017	0.572	0.046	0.058	0.004	0.052	0.035	0.075	0.618	0.052	0.624	0.081	0.110	0.108	0.091
Left Edge	0	0.042	0.018	0.104	0.015	0.010	0.033	0.026	0.057	0.122	0.068	0.051	0.130	0.048	0.129	0.069

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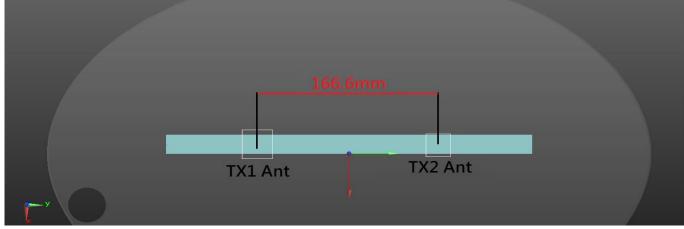
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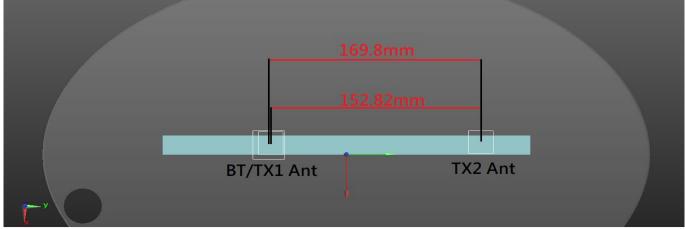
Page: 88 of 170

# **SPLSR** Vendor 2

				Sce	enario 1:					
Position	Conditions	SAR Value	Co	oordinates (c	:m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR	
1 0310011	Conditions (1		х	у	z	(W/kg)	Separation Distance (mm)	or Lor	Test	
Top Edge	2.4GHz WLAN Tx1	0.909	-0.71	-8.52	-0.43	-	-	-	-	
Top Eage	5GHz WLAN Tx2	0.952	-0.65	8.14	-0.43	1.861	166.60	0.015	SPLSR ≤ 0.04, Not required	



				Scenario 7:					
Position	Conditions	SAR Value	Co	oordinates (c	:m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
1 Ostuori	Conditions	(W/kg)	х	у	z	(W/kg)	Separation Distance (mm)	OI LOIX	Test
	5GHz WLAN Tx2	0.952	-0.65	8.14	-0.43	-	-	-	-
Top Edge	5GHz WLAN Tx1	0.916	-0.88	-7.14	-0.46	1.868	152.82	0.017	SPLSR ≤ 0.04, Not required
Top Edge	Bluetooth Tx1	0.177	-0.70	-8.84	-0.43	1.129	169.80	0.007	SPLSR ≤ 0.04, Not required
	5GHz WLAN Tx1 + Bluetooth Tx1	1.129	-0.88	-7.14	-0.46	2.081	152.82	0.020	SPLSR ≤ 0.04, Not required



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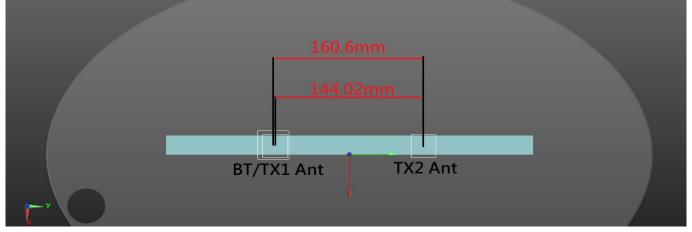
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Page: 89 of 170

#### Vendor 1

				Scenario 7:					
Position	Conditions	SAR Value	Co	oordinates (c	:m)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
1 0310011	Conditions	(W/kg)	х	у	z	(W/kg)	Separation Distance (mm)	OI LOIK	Test
	5GHz WLAN Tx2	0.973	-0.66	7.20	-0.43	-	-	-	-
Top Edge	5GHz WLAN Tx1	0.994	-0.90	-7.20	-0.44	1.967	144.02	0.019	SPLSR ≤ 0.04, Not required
Top Edge	Bluetooth Tx1	0.175	-0.70	-8.86	-0.43	1.148	160.60	0.008	SPLSR ≤ 0.04, Not required
	5GHz WLAN Tx1 + Bluetooth Tx1	1.169	-0.90	-7.20	-0.44	2.142	144.02	0.022	SPLSR ≤ 0.04, Not required



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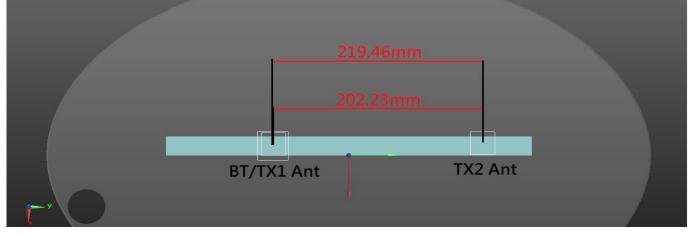
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Page: 90 of 170

				Scenario 8:					
Position	Conditions	SAR Value	Co	oordinates (d	cm)	ΣSAR	Peak Location	SPLSR	Simultaneous Transmission SAR
1 OSIGOTI	Conditions	(W/kg)	х	у	z	(W/kg)	Separation Distance (mm)	OI LOIK	Test
	6GHz WLAN Tx2	0.705	-1.22	13.08	-0.39	-	-	-	-
Ton Edge	6GHz WLAN Tx1	1.188	-0.88	-7.14	-0.46	2.161	202.23	0.016	SPLSR ≤ 0.04, Not required
Top Edge	Bluetooth Tx1	0.175	-0.70	-8.86	-0.43	1.148	219.46	0.006	SPLSR ≤ 0.04, Not required
	6GHz WLAN Tx1 + Bluetooth Tx1	1.363	-0.88	-7.14	-0.46	2.336	202.23	0.018	SPLSR ≤ 0.04, Not required



#### 9.4 Conclusion

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

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Page: 91 of 170

# **10 INSTRUMENTS LIST**

		Equi	pment 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	728	Aug/23/2024	Aug/22/2025
SPEAG	System Validation Dipole	D5GHzV2	1349	May/19/2024	May/18/2025
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 no required
EMCI	Amplifier	ZVE-8G	980190	Calibration not required	Calibration no 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
Keysight	EXA Signal Analyzer	N9010B	MY63440390	Feb/16/2024	Feb/15/2025
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 no required
SPEAG	Software	DASY 6 mmWave V2.4.2.62	N/A	Calibration not required	Calibration no required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration no required
SPEAG	Phantom	mmWave Phantom	N/A	Calibration not required	Calibration no required
LKM	Digital thermometer	DTM3000	EC14010603	Nov/11/2024	Nov/10/2025
TECPEL	Digital thermometer	DTM-303A	TP130077	Oct/14/2024	Oct/13/2025

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Page: 92 of 170

# 11 UNCERTAINTY BUDGET

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

A	С	D	е		f	g	h=c * f / e	i=c * g/e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	80
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	00
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
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%	8
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	8
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	00
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	00
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%	00
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%	œ
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	00
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	00
Liquid permittivity (mea.)	1.16%	N	1	1	0.64	0.43	0.74%	0.50%	М
Liquid Conductivity (mea.)	1.01%	N	1	1	0.6	0.49	0.61%	0.49%	М
Combined standard uncertainty		RSS					11.76%	11.73%	
Expant uncertainty (95% confidence interval), K=2							23.51%	23.46%	

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Page: 93 of 170

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

A	С	D	е		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	8
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%	8
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Readout Electronics	0.30%	Ν	1	1	1	1	0.30%	0.30%	8
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	8
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	8
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	8
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	8
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	8
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	8
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	8
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	1.36%	N	1	1	0.64	0.43	0.87%	0.58%	М
Liquid Conductivity (mea.)	2.27%	N	1	1	0.6	0.49	1.36%	1.11%	М
Combined standard uncertainty		RSS					11.53%	11.48%	
Expant uncertainty (95% confidence interval), K=2							23.06%	22.95%	

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Page: 94 of 170

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

	(	quericy	Dana	. 00112		71 12 1 a	··g•/	
а	b	С	d		е	е	f=b * e / d	f=b * e / d
Source of Uncertainty	Uncertainty Value (±%)	Probability Distributioin	Div.	Div. Value	(ci) 1g	(ci) 10g	Std. uncertainty (1g) (±%)	Std. uncertainty (10g) (±%)
Measurement system errors	•							
Probe calibration	18.6	N	2	2	1	1	9.3	9.3
Probe Calibration Drift	1.7	R	√3	1.732	1	1	1.0	1.0
Probe Linearity	4.7	R	√3	1.732	1	1	2.7	2.7
Broadband Signal	2.8	R	√3	1.732	1	1	1.6	1.6
Probe Isotropy	7.6	R	√3	1.732	1	1	4.4	4.4
Data Acquisition	0.3	N	1	1	1	1	0.3	0.3
RF Ambient	1.8	N	1	1	1	1	1.8	1.8
Probe positioning	0.2	N	1	1	0.67	0.67	0.1	0.1
Data Processing	3.5	N	1	1	1	1	3.5	3.5
Phantom and device errors								
Conductivity (meas.)DAK	2.5	N	1	1	0.78	0.71	2.0	1.8
Conductivity (temp.)BB	2.4	R	√3	1.732	0.78	0.71	1.1	1.0
Phantom Permittivity	14.0	R	√3	1.732	0.5	0.5	4.0	4.0
Distance DUT - TSL	2.0	N	1	1	2	2	4.0	4.0
Device Positioning (±0.5mm)	1.0	N	1	1	1	1	1.0	1.0
Device Holder	3.6	N	1	1	1	1	3.6	3.6
DUT Modulationm	2.4	R	√3	1.732	1	1	1.4	1.4
Time-average SAR	0.0	R	√3	1.732	1	1	0.0	0.0
DUT drift	2.5	N	1	1	1	1	2.5	2.5
Val Antenna Unc.	0.0	N	1	1	1	1	0.0	0.0
Unc. Input Power	0.0	N	1	1	1	1	0.0	0.0
Correction to the SAR results								
Deviation to Target	1.90	N	1	1	1	0.84	1.9	1.6
SAR scaling		R	√3	1.732	1	1	0.0	0.0
Combined Std. uncertainty							14.0	13.9
Expanded Std. uncertainty (95% confidence interval), K=2							28.0	27.8

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Page: 95 of 170

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

a	b	С	d		е	f=b * e / d	g
Source of Uncertainty	Uncertainty Value (+-dB)	Probability Distribution	Div.	Div. Value	ci	Std. uncertainty (+-dB)	(vi) Veff
Uncertainty terms dependent on the	e measurement	system					
Probe calibration	0.49	N	1	1	1	0.49	∞
Probe correction	0.00	R	√3	1.732	1	0.00	∞
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	œ
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	00
Probe positioning repeatability	0.04	R	√3	1.732	1	0.02	œ
Sensor mechanical offset	0.00	R	√3	1.732	1	0.00	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	œ
Field reconstruction	2.00	R	√3	1.732	1	1.15	00
Forward transformation	0.00	R	√3	1.732	1	0.00	00
Power density scaling	-	R	√3	1.732	1	-	∞
Spatial averaging	0.10	R	√3	1.732	1	0.06	00
System detection limit	0.04	R	√3	1.732	1	0.02	00
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	œ
Integration time	0.00	R	√3	1.732	1	0.00	∞
Response time	0.00	R	√3	1.732	1	0.00	œ
Device holder influence	0.10	R	√3	1.732	1	0.06	œ
DUT alignment	0.00	R	√3	1.732	1	0.00	œ
RF ambient conditions	0.04	R	√3	1.732	1	0.02	œ
Ambient reflections	0.04	R	√3	1.732	1	0.02	œ
Immunity / secondary reception	0.00	R	√3	1.732	1	0.00	œ
Drift of the DUT	-	R	√3	1.732	1	-	œ
Combined Std. uncertainty	1					1.33	
Expanded Std. uncertainty (95% confidence interval), K=2						2.67	

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Page: 96 of 170

# 12 SAR MEASUREMENT RESULTS

Date: 2024/12/25

ID: 001

Report No.: TESA2411000782ES

WLAN 802.11b\_Body\_Top Edge\_CH 11\_0mm\_Tx1

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1.013

Medium parameters used: f = 2462 MHz;  $\sigma = 1.792 \text{ S/m}$ ;  $\epsilon r = 38.813$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Area Scan (61x91x1):** Interpolated grid: dx=12 mm, dy=12 mm

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

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

Reference Value = 10.53 V/m; Power Drift = -0.01 dB

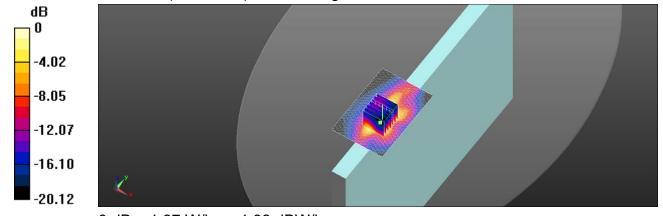
Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.889 W/kg; SAR(10 g) = 0.401 W/kg

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

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

Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg = 1.38 dBW/kg

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Page: 97 of 170

Date: 2024/12/25

ID: 002

**Report No. :TESA2411000782ES** 

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

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.312

Medium parameters used: f = 2402 MHz;  $\sigma = 1.722 \text{ S/m}$ ;  $\epsilon r = 39.096$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) @ 2402 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.219 W/kg

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

Reference Value = 5.720 V/m; Power Drift = 0.02 dB

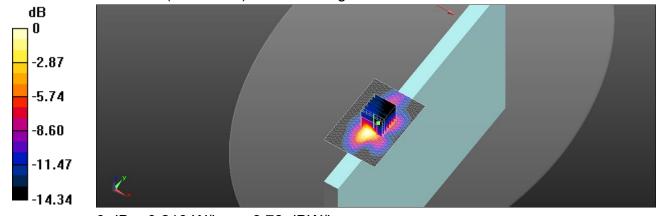
Peak SAR (extrapolated) = 0.306 W/kg

# SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.059 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg = -6.78 dBW/kg

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Page: 98 of 170

Date: 2024/12/26

ID: 003

**Report No. :TESA2411000782ES** 

WLAN 802.11ac(80M) 5.2G\_Body\_Top Edge\_CH 42\_0mm\_Tx1

Communication System: WLAN; Frequency: 5210 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5210 MHz;  $\sigma = 4.651 \text{ S/m}$ ;  $\epsilon r = 35.791$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.57, 5.08, 5.16) @ 5210 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 2.22 W/kg

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

Reference Value = 14.70 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.312 W/kg

Smallest distance from peaks to all points 3 dB below = 6.9 mm

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

Maximum value of SAR (measured) = 2.20 W/kg

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

Reference Value = 14.70 V/m; Power Drift = -0.09 dB

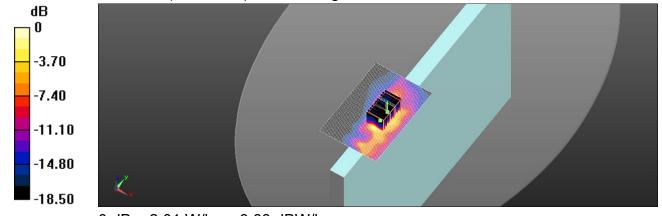
Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.291 W/kg

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

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

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



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

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Page: 99 of 170

Date: 2024/12/26

ID: 004

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5290 MHz;  $\sigma = 4.705 \text{ S/m}$ ;  $\epsilon r = 35.531$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.57, 5.08, 5.16) @ 5290 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 1.06 W/kg

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

Reference Value = 9.964 V/m; Power Drift = -0.11 dB

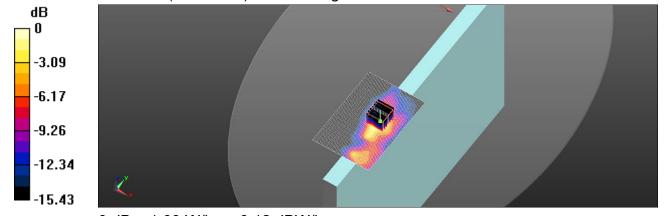
Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.165 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

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

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



0 dB = 1.03 W/kg = 0.12 dBW/kg

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Page: 100 of 170

Date: 2024/12/27

ID: 005

**Report No. :TESA2411000782ES** 

WLAN 802.11ac(80M) 5.6G\_Body\_Top Edge\_CH 106\_0mm\_Tx1

Communication System: WLAN; Frequency: 5530 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5530 MHz;  $\sigma = 4.974 \text{ S/m}$ ;  $\epsilon r = 35.339$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.05, 4.61, 4.69) @ 5530 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x141x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.07 W/kg

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

Reference Value = 9.061 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 0.515 W/kg; SAR(10 g) = 0.183 W/kg

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

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

Maximum value of SAR (measured) = 1.15 W/kg

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

Reference Value = 9.061 V/m; Power Drift = -0.15 dB

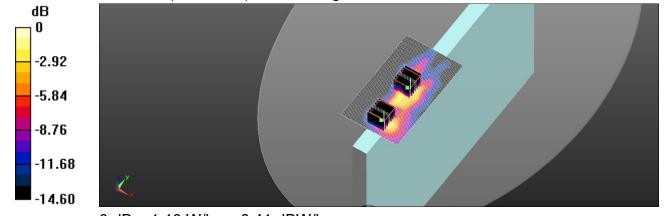
Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.144 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 50.6%

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



0 dB = 1.10 W/kg = 0.41 dBW/kg

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Page: 101 of 170

Date: 2024/12/27

ID: 006

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5775 MHz;  $\sigma = 5.205 \text{ S/m}$ ;  $\epsilon r = 35.051$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.19, 4.74, 4.81) @ 5775 MHz; Calibrated: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=10 mm, dy=10 mm

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

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

Reference Value = 10.23 V/m; Power Drift = 0.07 dB

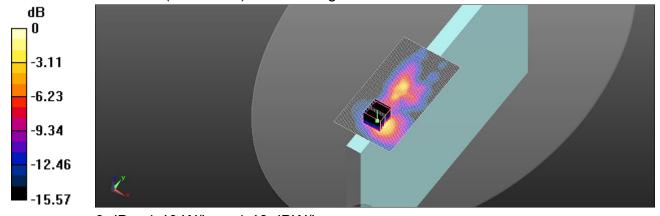
Peak SAR (extrapolated) = 2.96 W/kg

SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.185 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 58.5%

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



0 dB = 1.40 W/kg = 1.46 dBW/kg

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Page: 102 of 170

Date: 2024/12/28

ID: 007

**Report No. :TESA2411000782ES** 

WLAN 802.11ac(160M) 5.9G Body Top Edge CH 163 0mm Tx1

Communication System: WLAN; Frequency: 5815 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5815 MHz;  $\sigma = 5.248 \text{ S/m}$ ;  $\epsilon r = 35.016$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(4.99, 4.55, 4.62) @ 5815 MHz; Calibrated: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.767 W/kg

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

Reference Value = 7.462 V/m; Power Drift = 0.08 dB

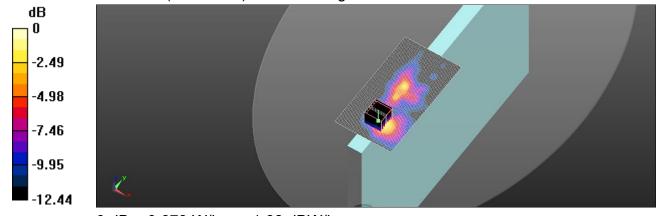
Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.110 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 68.2%

Maximum value of SAR (measured) = 0.679 W/kg



0 dB = 0.679 W/kg = -1.68 dBW/kg

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Page: 103 of 170

Date: 2024/12/25

ID: 008

Report No. :TESA2411000782ES

WLAN 802.11b\_Body\_Top Edge\_CH 6\_0mm\_Tx2

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.013

Medium parameters used: f = 2437 MHz;  $\sigma = 1.762 \text{ S/m}$ ;  $\epsilon r = 39.013$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) @ 2437 MHz; Calibrated: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.912 W/kg

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

Reference Value = 12.72 V/m; Power Drift = -0.13 dB

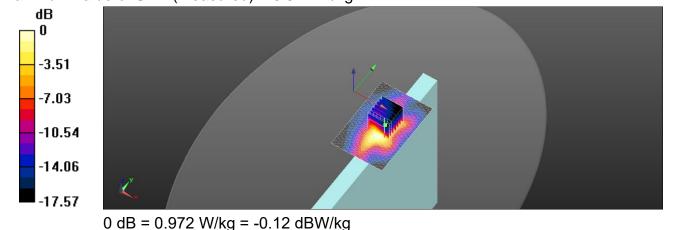
Peak SAR (extrapolated) = 1.42 W/kg

# SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.280 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 64.9%

Maximum value of SAR (measured) = 0.972 W/kg



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Page: 104 of 170

Date: 2024/12/26

ID: 009

Report No. :TESA2411000782ES

WLAN 802.11ac(80M) 5.2G\_Body\_Top Edge\_CH 42\_0mm\_Tx2

Communication System: WLAN; Frequency: 5210 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5210 MHz;  $\sigma = 4.651 \text{ S/m}$ ;  $\epsilon r = 35.791$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.57, 5.08, 5.16) @ 5210 MHz; Calibrated: 2024/7/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/3/13

Phantom: ELI

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

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 2.12 W/kg

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

Reference Value = 13.96 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.33 W/kg

SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.337 W/kg

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

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

Maximum value of SAR (measured) = 1.98 W/kg

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

Reference Value = 13.96 V/m; Power Drift = -0.11 dB

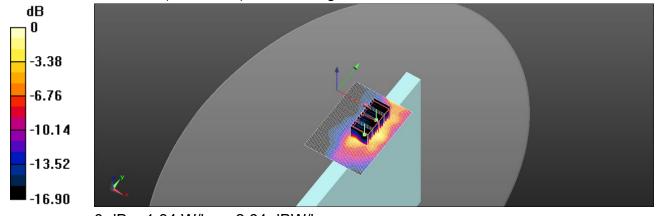
Peak SAR (extrapolated) = 4.03 W/kg

SAR(1 g) = 0.765 W/kg; SAR(10 g) = 0.269 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

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

Maximum value of SAR (measured) = 1.84 W/kg



0 dB = 1.84 W/kg = 2.64 dBW/kg

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Page: 105 of 170

Date: 2024/12/26

ID: 010

Report No.: TESA2411000782ES

WLAN 802.11ac(80M) 5.3G\_Body\_Top Edge\_CH 58\_0mm\_Tx2

Communication System: WLAN; Frequency: 5290 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5290 MHz;  $\sigma = 4.705 \text{ S/m}$ ;  $\epsilon r = 35.531$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5290 MHz; Calibrated: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

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

Reference Value = 10.08 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.168 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.7%

Maximum value of SAR (measured) = 1.01 W/kg **Zoom Scan (7x7x12)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.08 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.121 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.9%

Maximum value of SAR (measured) = 0.773 W/kg **Zoom Scan (7x7x12)/Cube 2:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.08 V/m; Power Drift = 0.05 dB

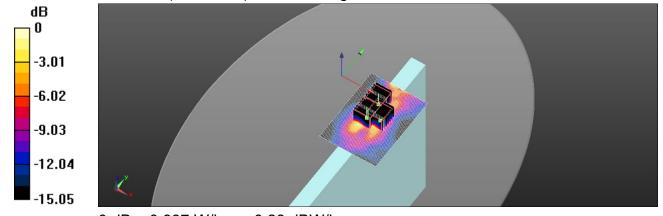
Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.139 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 51.2%

Maximum value of SAR (measured) = 0.937 W/kg



0 dB = 0.937 W/kg = -0.28 dBW/kg

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Page: 106 of 170

Date: 2024/12/27

ID: 011

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5690 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5690 MHz;  $\sigma = 5.155 \text{ S/m}$ ;  $\epsilon r = 35.193$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.19, 4.74, 4.81) @ 5690 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 1.17 W/kg

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

Reference Value = 10.33 V/m; Power Drift = 0.03 dB

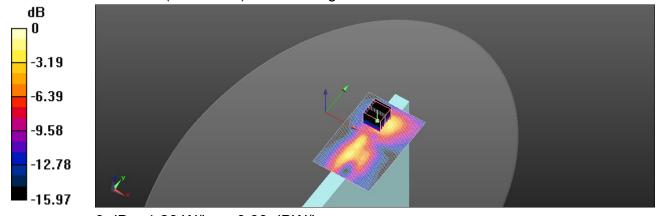
Peak SAR (extrapolated) = 3.06 W/kg

SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.154 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 50.9%

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



0 dB = 1.26 W/kg = 0.99 dBW/kg

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Page: 107 of 170

Date: 2024/12/27

ID: 012

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5775 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5775 MHz;  $\sigma = 5.205 \text{ S/m}$ ;  $\epsilon r = 35.051$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.19, 4.74, 4.81) @ 5775 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 1.47 W/kg

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

Reference Value = 9.214 V/m; Power Drift = 0.02 dB

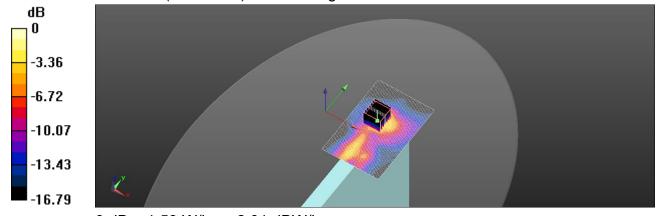
Peak SAR (extrapolated) = 3.60 W/kg

SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.185 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 67.9%

Maximum value of SAR (measured) = 1.59 W/kg



0 dB = 1.59 W/kg = 2.01 dBW/kg

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Page: 108 of 170

Date: 2024/12/28

ID: 013

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5815 MHz; Duty Cycle: 1:1.01

Medium parameters used: f = 5815 MHz;  $\sigma = 5.248 \text{ S/m}$ ;  $\epsilon r = 35.016$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(4.99, 4.55, 4.62) @ 5815 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 0.705 W/kg

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

Reference Value = 6.975 V/m; Power Drift = -0.07 dB

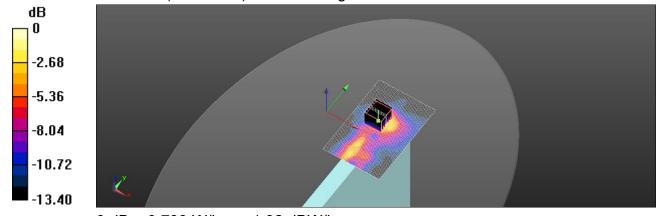
Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.105 W/kg

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

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

Maximum value of SAR (measured) = 0.739 W/kg



0 dB = 0.739 W/kg = -1.32 dBW/kg

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Page: 109 of 170

ID: 014

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6025.000, 15	5.34	5.498	34.766

**Hardware Setup** 

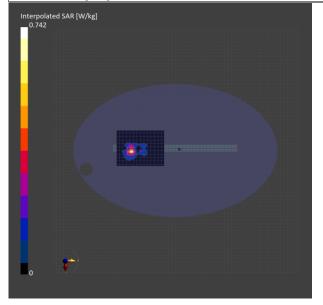
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

#### Measurement Results

ilousurement Nesuits				
	Area Scan	Zoom Scan		
Date	2024-12-29	2024-12-29		
psSAR1g [W/kg]	0.549	0.558		
psSAR8g [W/kg]	0.176	0.183		
psSAR10g [W/kg]	0.155	0.172		
psPDab (4.0cm2, sq) [W/m2]		3.66		
Power Drift [dB]	0.02	-0.08		
M2/M1 [%]		58.3		
Dist 3dB Peak [mm]		5.5		



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Page: 110 of 170

ID: 015

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	5.671	34.585

**Hardware Setup** 

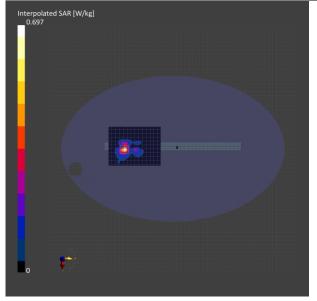
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.526	0.530
psSAR8g [W/kg]	0.179	0.180
psSAR10g [W/kg]	0.170	0.175
psPDab (4.0cm2, sq) [W/m2]		3.59
Power Drift [dB]	-0.07	0.04
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		4.1



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Page: 111 of 170

ID: 016

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.046	34.118

**Hardware Setup** 

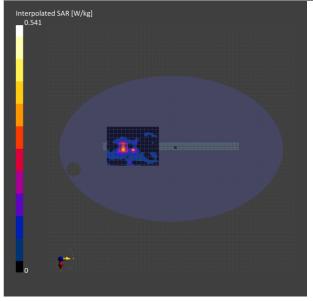
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.354	0.388
psSAR8g [W/kg]	0.120	0.116
psSAR10g [W/kg]	0.101	0.104
psPDab (4.0cm2, sq) [W/m2]		2.16
Power Drift [dB]	-0.06	-0.04
M2/M1 [%]		46.4
Dist 3dB Peak [mm]		3.4



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Page: 112 of 170

ID: 017

Report No. :TESA2411000782ES

Measurement Report\_U-NII-7 6.7GHz 802.11ax(160M)\_Body\_Top Edge\_CH 143\_0mm\_Tx1

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.227	33.992

**Hardware Setup** 

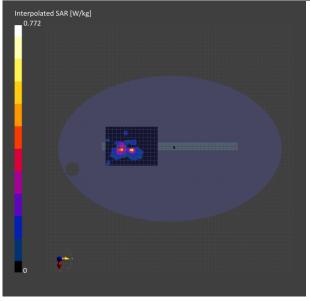
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.593	0.612
psSAR8g [W/kg]	0.239	0.241
psSAR10g [W/kg]	0.204	0.215
psPDab (4.0cm2, sq) [W/m2]		3.81
Power Drift [dB]	-0.14	0.10
M2/M1 [%]		45.6
Dist 3dB Peak [mm]		4.0



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Page: 113 of 170

ID: 018

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6985.000, 207	5.47	6.593	33.828

**Hardware Setup** 

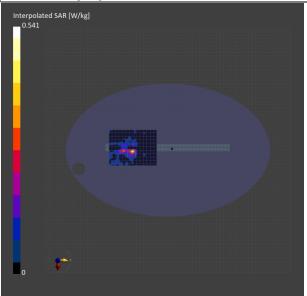
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

#### Measurement Results

weasarement results				
	Area Scan	Zoom Scan		
Date	2024-12-29	2024-12-29		
psSAR1g [W/kg]	0.362	0.372		
psSAR8g [W/kg]	0.112	0.120		
psSAR10g [W/kg]	0.089	0.097		
psPDab (4.0cm2, sq) [W/m2]		2.25		
Power Drift [dB]	-0.15	0.13		
M2/M1 [%]		40.8		
Dist 3dB Peak [mm]		3.7		



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Page: 114 of 170

ID: 019

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	5.498	34.766

**Hardware Setup** 

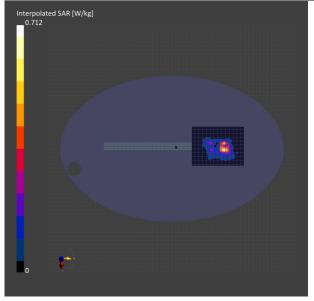
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.403	0.426
psSAR8g [W/kg]	0.128	0.143
psSAR10g [W/kg]	0.101	0.124
psPDab (4.0cm2, sq) [W/m2]		2.65
Power Drift [dB]	0.15	0.02
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		4.1



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Page: 115 of 170

ID: 020

Report No. :TESA2411000782ES

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 47\_0mm\_Tx2

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6185.000, 47	5.34	5.671	34.585

**Hardware Setup** 

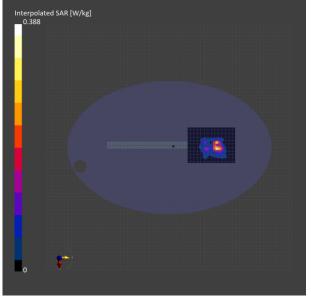
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.281	0.304
psSAR8g [W/kg]	0.099	0.107
psSAR10g [W/kg]	0.083	0.099
psPDab (4.0cm2, sq) [W/m2]		2.53
Power Drift [dB]	-0.12	-0.04
M2/M1 [%]		53.6
Dist 3dB Peak [mm]		5.5



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Page: 116 of 170

ID: 021

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.046	34.118

**Hardware Setup** 

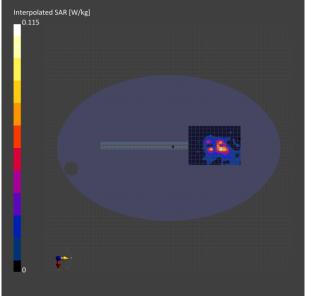
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.077	0.084
psSAR8g [W/kg]	0.030	0.029
psSAR10g [W/kg]	0.027	0.026
psPDab (4.0cm2, sq) [W/m2]		0.584
Power Drift [dB]	-0.01	-0.11
M2/M1 [%]		49.4
Dist 3dB Peak [mm]		4.1



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Page: 117 of 170

ID: 022

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.227	33.992

**Hardware Setup** 

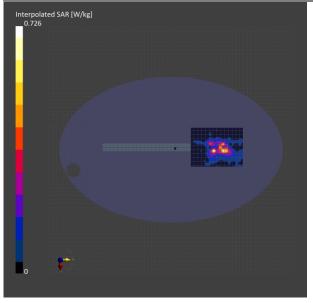
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.398	0.405
psSAR8g [W/kg]	0.128	0.143
psSAR10g [W/kg]	0.114	0.129
psPDab (4.0cm2, sq) [W/m2]		1.58
Power Drift [dB]	0.07	0.04
M2/M1 [%]		45.8
Dist 3dB Peak [mm]		4.1



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Page: 118 of 170

ID: 023

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.593	33.828

**Hardware Setup** 

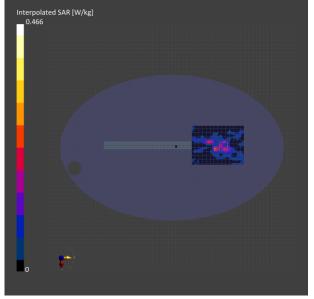
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	
psSAR1g [W/kg]	0.341	0.349
psSAR8g [W/kg]	0.104	
psSAR10g [W/kg]	0.093	0.103
psPDab (4.0cm2, sq) [W/m2]		1.32
Power Drift [dB]	-0.06	-0.04
M2/M1 [%]		47.5
Dist 3dB Peak [mm]		3.4



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Page: 119 of 170

Date: 2024/12/25

ID: 057

**Report No. :TESA2411000782ES** 

WLAN 802.11b Body Top Edge CH 11 0mm Tx1

Communication System: WLAN; Frequency: 2462 MHz; Duty cycle= 1:1.013

Medium parameters used: f = 2462 MHz;  $\sigma = 1.792 \text{ S/m}$ ;  $\epsilon r = 38.813$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.58 W/kg

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

Reference Value = 10.53 V/m; Power Drift = -0.01 dB

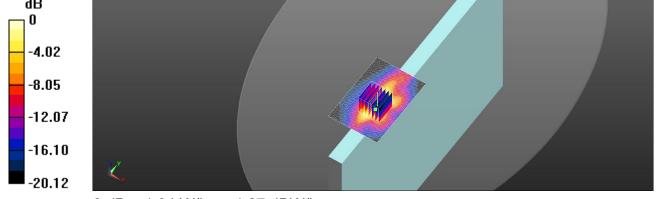
Peak SAR (extrapolated) = 1.96 W/kg

# SAR(1 g) = 0.867 W/kg; SAR(10 g) = 0.391 W/kg

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

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

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



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

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Page: 120 of 170

Date: 2024/12/25

ID: 058

**Report No. :TESA2411000782ES** 

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

Communication System: Bluetooth; Frequency: 2402 MHz; Duty cycle= 1:1.312

Medium parameters used: f = 2402 MHz;  $\sigma = 1.722 \text{ S/m}$ ;  $\epsilon r = 39.096$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) @ 2402 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (61x91x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.255 W/kg

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

Reference Value = 4.752 V/m; Power Drift = 0.03 dB

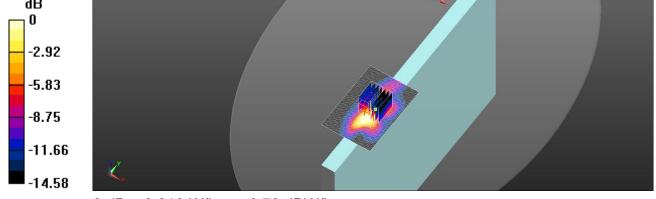
Peak SAR (extrapolated) = 0.302 W/kg

# SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.059 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.8%

Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg = -6.79 dBW/kg

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Page: 121 of 170

Date: 2024/12/26

ID: 059

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5210 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5210 MHz;  $\sigma = 4.651 \text{ S/m}$ ;  $\epsilon r = 35.791$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.57, 5.08, 5.16) @ 5210 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 2.27 W/kg

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

Reference Value = 14.70 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.339 W/kg

Smallest distance from peaks to all points 3 dB below = 6.9 mm

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

Maximum value of SAR (measured) = 2.25 W/kg

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

Reference Value = 14.70 V/m; Power Drift = -0.09 dB

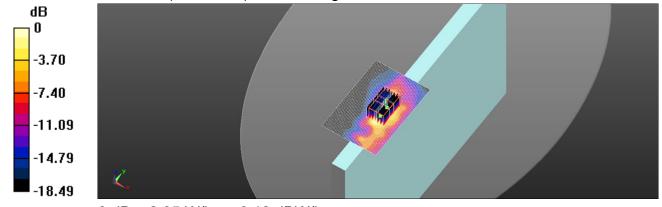
Peak SAR (extrapolated) = 3.20 W/kg

SAR(1 g) = 0.797 W/kg; SAR(10 g) = 0.298 W/kg

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

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

Maximum value of SAR (measured) = 2.05 W/kg



0 dB = 2.05 W/kg = 3.12 dBW/kg

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Page: 122 of 170

Date: 2024/12/26

ID: 060

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5290 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5290 MHz;  $\sigma = 4.705 \text{ S/m}$ ;  $\epsilon r = 35.531$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5290 MHz; Calibrated: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 1.09 W/kg

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

Reference Value = 9.964 V/m; Power Drift = -0.02 dB

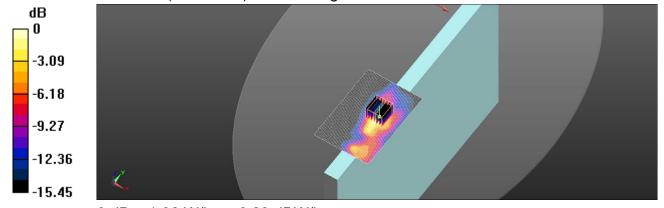
Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.169 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

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

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



0 dB = 1.06 W/kg = 0.23 dBW/kg

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Page: 123 of 170

Date: 2024/12/27

ID: 061

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5530 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5530 MHz;  $\sigma = 4.974 \text{ S/m}$ ;  $\epsilon r = 35.339$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.05, 4.61, 4.69) @ 5530 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x141x1): Interpolated grid: dx=10 mm, dy=10 mm

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

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

Reference Value = 9.060 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.188 W/kg

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

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

Maximum value of SAR (measured) = 1.18 W/kg

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

Reference Value = 9.060 V/m; Power Drift = -0.19 dB

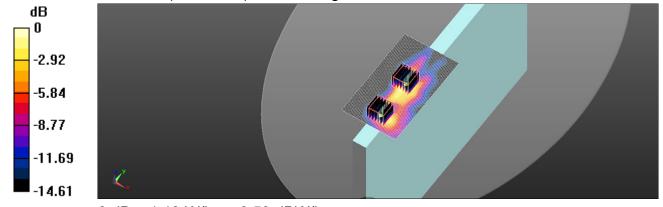
Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.147 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 50.6%

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



0 dB = 1.13 W/kg = 0.53 dBW/kg

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Page: 124 of 170

Date: 2024/12/27

ID: 062

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5775 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5775 MHz;  $\sigma = 5.205 \text{ S/m}$ ;  $\epsilon r = 35.051$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

# DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.19, 4.74, 4.81) @ 5775 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=10 mm, dy=10 mm

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

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

Reference Value = 10.23 V/m; Power Drift = 0.07 dB

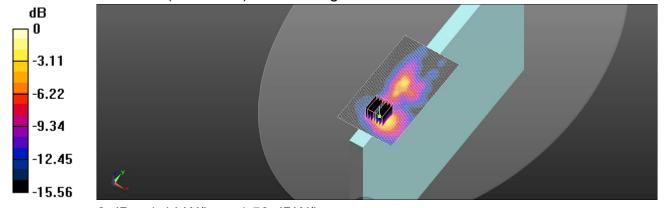
Peak SAR (extrapolated) = 3.06 W/kg

SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.191 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.5%

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



0 dB = 1.44 W/kg = 1.59 dBW/kg

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Page: 125 of 170

Date: 2024/12/28

ID: 063

**Report No. :TESA2411000782ES** 

WLAN 802.11ac(160M) 5.9G Body Top Edge CH 163 0mm Tx1

Communication System: WLAN; Frequency: 5815 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5815 MHz;  $\sigma = 5.248 \text{ S/m}$ ;  $\epsilon r = 35.016$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(4.99, 4.55, 4.62) @ 5815 MHz; Calibrated: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x151x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.786 W/kg

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

Reference Value = 7.462 V/m; Power Drift = 0.08 dB

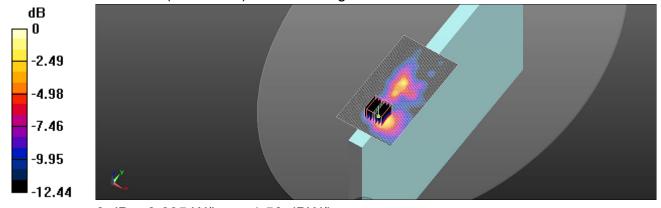
Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.112 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.2%

Maximum value of SAR (measured) = 0.695 W/kg



0 dB = 0.695 W/kg = -1.58 dBW/kg

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Page: 126 of 170

Date: 2024/12/25

ID: 064

**Report No. :TESA2411000782ES** 

WLAN 802.11b\_Body\_Top Edge\_CH 6\_0mm\_Tx2

Communication System: WLAN; Frequency: 2437 MHz; Duty cycle= 1:1.013

Medium parameters used: f = 2437 MHz;  $\sigma = 1.762 \text{ S/m}$ ;  $\epsilon r = 39.013$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) @ 2437 MHz; Calibrated: 2024/7/31

- 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=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 = 12.59 V/m; Power Drift = -0.13 dB

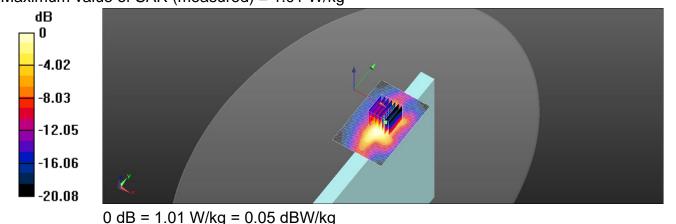
Peak SAR (extrapolated) = 1.55 W/kg

# SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.283 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 38.2%

Maximum value of SAR (measured) = 1.01 W/kg



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Page: 127 of 170

Date: 2024/12/26

ID: 065

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5210 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5210 MHz;  $\sigma = 4.651 \text{ S/m}$ ;  $\epsilon r = 35.791$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.57, 5.08, 5.16) @ 5210 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 2.16 W/kg

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

Reference Value = 13.96 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.40 W/kg

SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.345 W/kg

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

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

Maximum value of SAR (measured) = 2.02 W/kg

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

Reference Value = 13.96 V/m; Power Drift = 0.12 dB

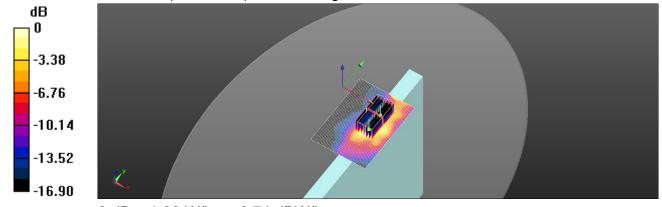
Peak SAR (extrapolated) = 4.12 W/kg

SAR(1 g) = 0.783 W/kg; SAR(10 g) = 0.275 W/kg

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

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

Maximum value of SAR (measured) = 1.88 W/kg



0 dB = 1.88 W/kg = 2.74 dBW/kg

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Page: 128 of 170

Date: 2024/12/26

ID: 066

**Report No. :TESA2411000782ES** 

WLAN 802.11ac(80M) 5.3G\_Body\_Top Edge\_CH 58\_0mm\_Tx2

Communication System: WLAN; Frequency: 5290 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5290 MHz;  $\sigma = 4.705 \text{ S/m}$ ;  $\epsilon r = 35.531$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

### DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5290 MHz; Calibrated: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)
 Area Scan (81x111x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

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

Reference Value = 10.08 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.172 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.7%

Maximum value of SAR (measured) = 1.04 W/kg

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

Reference Value = 10.08 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.125 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.9%

Maximum value of SAR (measured) = 0.793 W/kg

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

Reference Value = 10.08 V/m; Power Drift = 0.05 dB

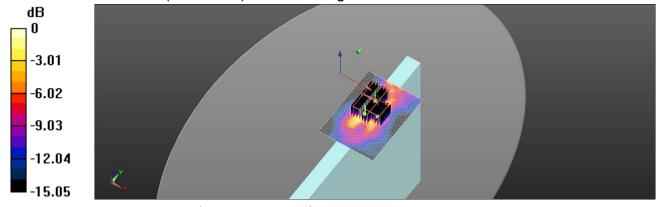
Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.143 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 51.2%

Maximum value of SAR (measured) = 0.962 W/kg



0 dB = 1.04 W/kg = 0.15 dBW/kg

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Page: 129 of 170

Date: 2024/12/27

ID: 067

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5690 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5690 MHz;  $\sigma = 5.155 \text{ S/m}$ ;  $\epsilon r = 35.193$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

# DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.19, 4.74, 4.81) @ 5690 MHz; Calibrated: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 1.22 W/kg

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

Reference Value = 10.33 V/m; Power Drift = 0.03 dB

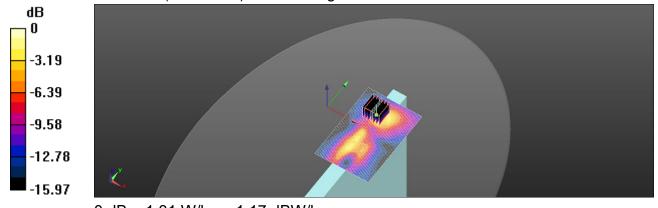
Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 0.492 W/kg; SAR(10 g) = 0.160 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 50.9%

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

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Page: 130 of 170

Date: 2024/12/27

ID: 068

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5775 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5775 MHz;  $\sigma = 5.205 \text{ S/m}$ ;  $\epsilon r = 35.051$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.19, 4.74, 4.81) @ 5775 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 1.52 W/kg

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

Reference Value = 9.214 V/m; Power Drift = 0.02 dB

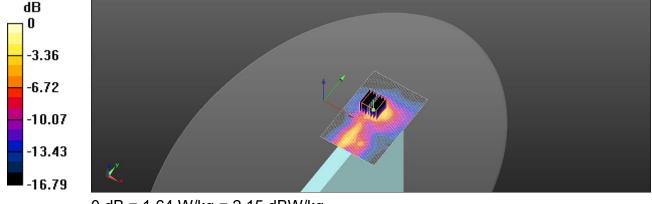
Peak SAR (extrapolated) = 3.71 W/kg

SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.191 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 47.9%

Maximum value of SAR (measured) = 1.64 W/kg



0 dB = 1.64 W/kg = 2.15 dBW/kg

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Page: 131 of 170

Date: 2024/12/28

ID: 069

**Report No. :TESA2411000782ES** 

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

Communication System: WLAN; Frequency: 5815 MHz; Duty cycle= 1:1.01

Medium parameters used: f = 5815 MHz;  $\sigma = 5.248 \text{ S/m}$ ;  $\epsilon r = 35.016$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

# **DASY5** Configuration:

Probe: EX3DV4 - SN7823; ConvF(4.99, 4.55, 4.62) @ 5815 MHz; Calibrated: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 0.721 W/kg

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

Reference Value = 6.975 V/m; Power Drift = -0.07 dB

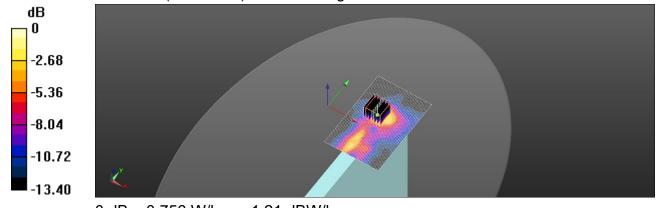
Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.107 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.1%

Maximum value of SAR (measured) = 0.756 W/kg



0 dB = 0.756 W/kg = -1.21 dBW/kg

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Page: 132 of 170

ID: 070

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	5.498	34.766

**Hardware Setup** 

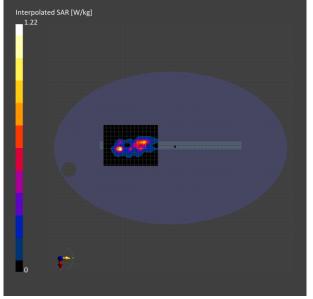
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.713	0.856
psSAR8g [W/kg]	0.248	0.259
psSAR10g [W/kg]	0.225	0.225
psPDab (4.0cm2, sq) [W/m2]		5.17
Power Drift [dB]	0.09	0.16
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		4.1



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Page: 133 of 170

ID: 071

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	5.671	34.585

**Hardware Setup** 

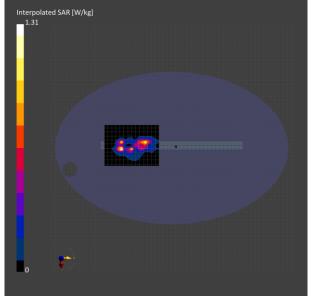
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.771	0.885
psSAR8g [W/kg]	0.271	0.304
psSAR10g [W/kg]	0.245	0.269
psPDab (4.0cm2, sq) [W/m2]		6.09
Power Drift [dB]	-0.06	-0.01
M2/M1 [%]		55.7
Dist 3dB Peak [mm]		4.1



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Page: 134 of 170

ID: 072

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.046	34.118

**Hardware Setup** 

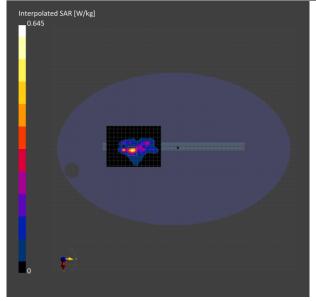
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.411	0.454
psSAR8g [W/kg]	0.131	0.145
psSAR10g [W/kg]	0.114	0.125
psPDab (4.0cm2, sq) [W/m2]		2.91
Power Drift [dB]	0.02	0.13
M2/M1 [%]		55.0
Dist 3dB Peak [mm]		4.8



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Page: 135 of 170

ID: 073

Report No. :TESA2411000782ES

Measurement Report\_U-NII-7 6.7GHz 802.11ax(160M)\_Body\_Top Edge\_CH 143\_0mm\_Tx1

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.227	33.992

**Hardware Setup** 

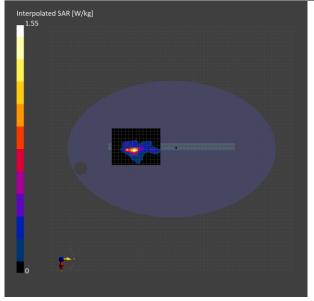
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	1.12	1.16
psSAR8g [W/kg]	0.374	0.395
psSAR10g [W/kg]	0.326	0.340
psPDab (4.0cm2, sq) [W/m2]		7.89
Power Drift [dB]	0.03	0.04
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		4.8



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Page: 136 of 170

ID: 074

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.593	33.828

**Hardware Setup** 

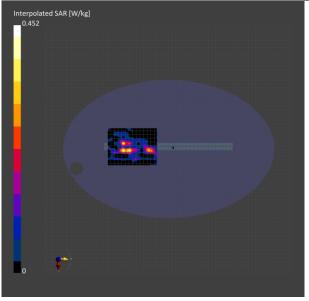
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.313	0.424
psSAR8g [W/kg]	0.110	0.132
psSAR10g [W/kg]	0.098	0.115
psPDab (4.0cm2, sq) [W/m2]		2.65
Power Drift [dB]	0.11	0.11
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		5.4



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Page: 137 of 170

ID: 075

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	5.498	34.766

**Hardware Setup** 

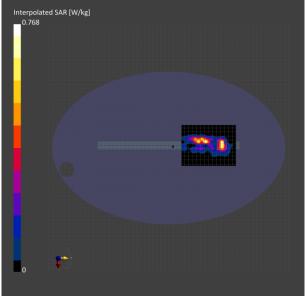
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

#### **Measurement Results**

	Area Scan	Zoom Scan
	Alea Scall	Z00111 Scali
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.517	0.682
psSAR8g [W/kg]	0.195	0.232
psSAR10g [W/kg]	0.172	0.204
psPDab (4.0cm2, sq) [W/m2]		4.63
Power Drift [dB]	-0.10	0.09
M2/M1 [%]		59.5
Dist 3dB Peak [mm]		4.8



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Page: 138 of 170

ID: 076

Report No. :TESA2411000782ES

Measurement Report\_U-NII-5 6.2GHz 802.11ax(160M)\_Body\_Top Edge\_CH 47\_0mm\_Tx2

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	5.671	34.585

**Hardware Setup** 

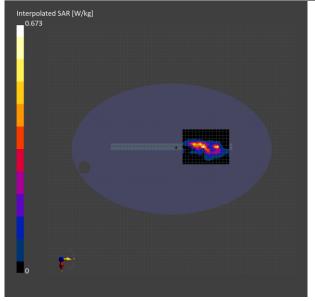
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.420	0.528
psSAR8g [W/kg]	0.160	0.200
psSAR10g [W/kg]	0.142	0.175
psPDab (4.0cm2, sq) [W/m2]		3.99
Power Drift [dB]	0.04	-0.09
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		4.8



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Page: 139 of 170

ID: 077

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.046	34.118

**Hardware Setup** 

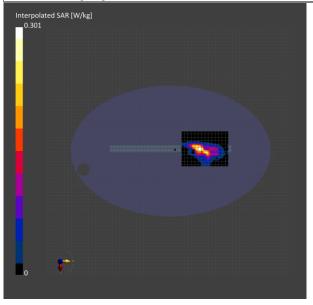
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

#### Measurement Results

Medadi ellielit results		
	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.236	0.242
psSAR8g [W/kg]	0.098	0.097
psSAR10g [W/kg]	0.087	0.087
psPDab (4.0cm2, sq) [W/m2]		1.95
Power Drift [dB]	-0.04	-0.03
M2/M1 [%]		55.8
Dist 3dB Peak [mm]		6.8



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Page: 140 of 170

ID: 078

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.227	33.992

### **Hardware Setup**

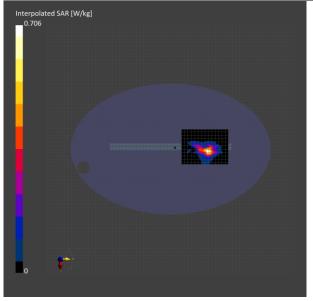
Phantom	Probe, Calibration Date	DAE, Calibration Date	
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13	

### **Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.554	0.648
psSAR8g [W/kg]	0.215	0.227
psSAR10g [W/kg]	0.190	0.198
psPDab (4.0cm2, sq) [W/m2]		4.54
Power Drift [dB]	-0.14	0.07
M2/M1 [%]		53.3
Dist 3dB Peak [mm]		6.3



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Page: 141 of 170

ID: 079

Report No. :TESA2411000782ES

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

Ambient temperature: 22.6°C; Liquid temperature: 22.5°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	6.593	33.828

**Hardware Setup** 

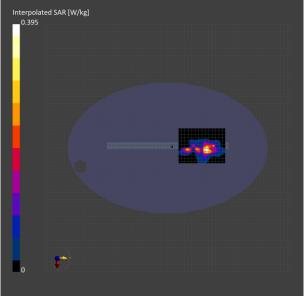
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

#### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	0.335	0.385
psSAR8g [W/kg]	0.131	0.131
psSAR10g [W/kg]	0.117	0.114
psPDab (4.0cm2, sq) [W/m2]		2.62
Power Drift [dB]	0.11	0.03
M2/M1 [%]		50.9
Dist 3dB Peak [mm]		5.6



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Page: 142 of 170

# 13 PD MEASUREMENT RESULTS

Report No. :TESA2411000782ES

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

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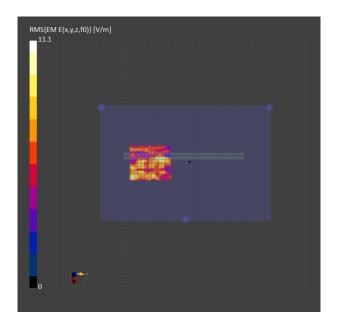
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **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
2024-12-30
4.00
0.146
0.158
0.190
10.2
0.02



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Page: 143 of 170

ID: 025

Report No. :TESA2411000782ES

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

Hardware Setu
---------------

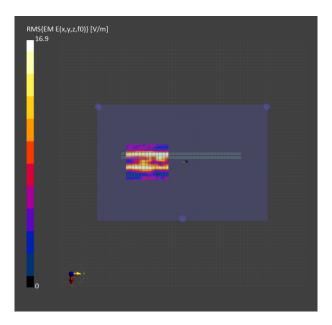
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **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**

mododi omont i toodito	
Scan Type	5G Scan
Date	2024-12-30
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	0.381
psPDtot+ [W/m²]	0.410
psPDmod+ [W/m²]	0.462
E <sub>max</sub> [V/m]	16.9
Power Drift [dB]	0.08



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Page: 144 of 170

ID: 026

Report No. :TESA2411000782ES

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

### **Hardware Setup**

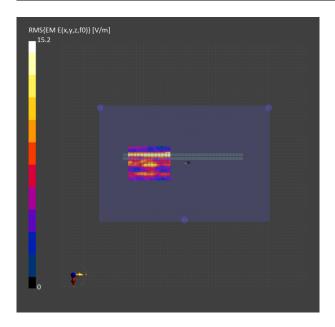
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **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**

5G Scan
2024-12-30
4.00
0.227
0.232
0.318
15.2
0.07



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Page: 145 of 170

ID: 027

Report No. :TESA2411000782ES

Measurement Report\_Top Edge, U-NII-7

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 143 (6665.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

### **Hardware Setup**

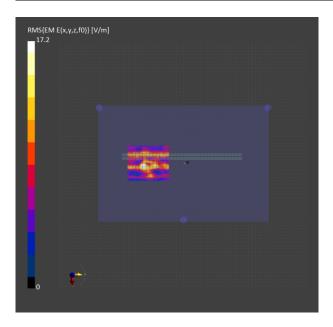
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **Scans Setup**

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

### **Measurement Results**

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5G Scan	
2024-12-30	
4.00	
0.335	
0.387	
0.440	
17.2	
-0.03	



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Page: 146 of 170

ID: 028

Report No. :TESA2411000782ES

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**

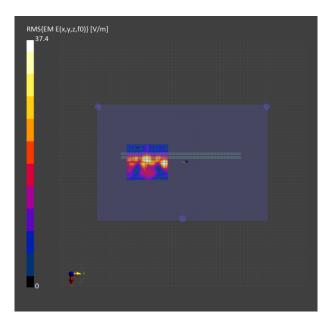
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **Scans Setup**

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

### **Measurement Results**

mode di officiale i Nocure	
Scan Type	5G Scan
Date	2024-12-30
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.05
psPDtot+ [W/m²]	1.22
psPDmod+ [W/m²]	1.55
E <sub>max</sub> [V/m]	37.4
Power Drift [dB]	-0.06



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Page: 147 of 170

ID: 029

Report No. :TESA2411000782ES

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

### **Hardware Setup**

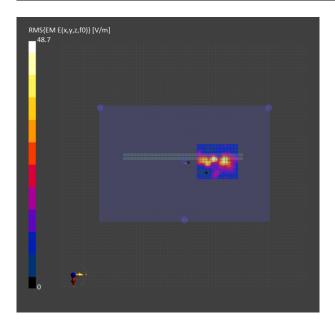
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **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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5G Scan	
2024-12-30	
4.00	
2.20	
2.56	
3.06	
48.7	
0.07	



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Page: 148 of 170

ID: 030

Report No. :TESA2411000782ES

Measurement Report\_Top Edge, U-NII-5

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 47 (6185.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

### **Hardware Setup**

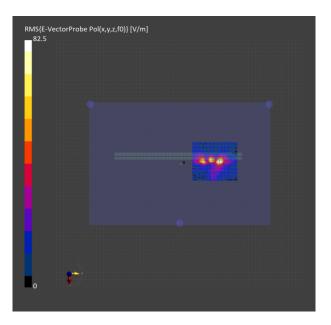
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **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**

measurement results	
Scan Type	5G Scan
Date	2024-12-30
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m²]	1.81
psPDtot+ [W/m²]	2.06
psPDmod+ [W/m²]	2.77
E <sub>max</sub> [V/m]	46.3
Power Drift [dB]	0.11



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Page: 149 of 170

ID: 031

Report No. :TESA2411000782ES

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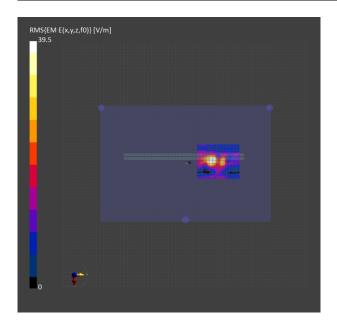
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **Scans Setup**

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

### **Measurement Results**

5G Scan
2024-12-30
4.00
2.06
2.26
2.59
39.5
-0.12



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Page: 150 of 170

ID: 032

Report No. :TESA2411000782ES

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

### **Hardware Setup**

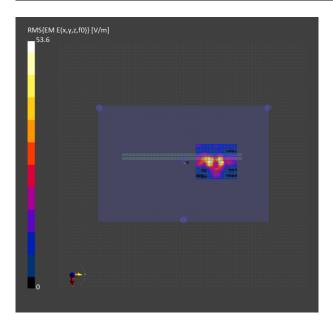
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **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**

5G Scan
2024-12-30
4.00
2.62
2.76
3.32
53.6
0.06



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Page: 151 of 170

ID: 033

Report No. :TESA2411000782ES

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

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110	IUV	aıc	UC	LUU	,

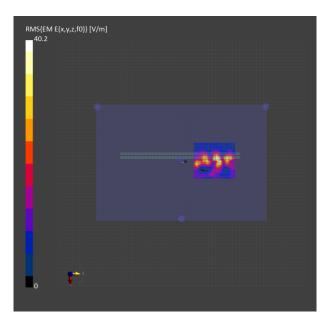
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

### **Measurement Results**

5G Scan
2024-12-30
4.00
1.19
1.30
1.84
40.2
0.05



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Page: 152 of 170

ID: 080

Report No. :TESA2411000782ES

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

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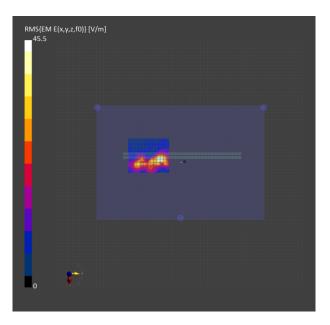
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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
2024-12-31
4.00
2.17
2.38
2.96
45.4
0.15



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Page: 153 of 170

ID: 081

Report No. :TESA2411000782ES

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	,

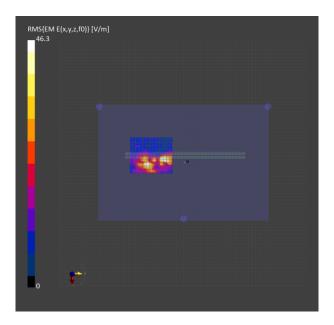
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

### **Measurement Results**

5G Scan
2024-12-31
4.00
2.10
2.34
3.13
46.3
-0.14



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Page: 154 of 170

ID: 082

Report No. :TESA2411000782ES

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

Ha	rdw	are	Se	tun	
110	IUV	aıc	UC	LUU	,

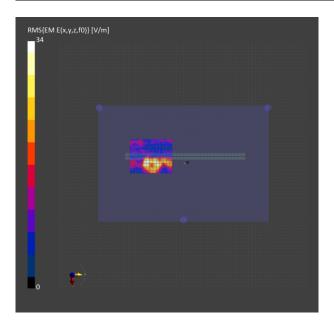
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

5G Scan
100.0 x 120.0
0.0625 x 0.0625
2.0

### **Measurement Results**

5G Scan
2024-12-31
4.00
1.29
1.40
1.56
34.0
0.18



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Page: 155 of 170

ID: 083

Report No. :TESA2411000782ES

Measurement Report\_Top Edge, U-NII-7

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 143 (6665.0 MHz)\_2mm\_Tx1

**Exposure Conditions** 

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

Hardware Setu
---------------

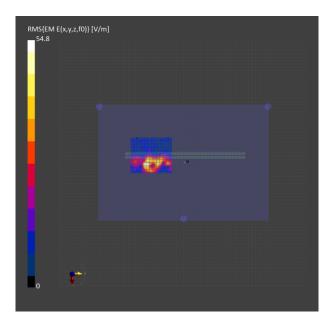
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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**

mode at official trocato	
Scan Type	5G Scan
Date	2024-12-31
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m²]	3.01
psPDtot+ [W/m²]	3.63
psPDmod+ [W/m²]	4.32
E <sub>max</sub> [V/m]	54.8
Power Drift [dB]	-0.17



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Page: 156 of 170

ID: 084

Report No. :TESA2411000782ES

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	ntom Section Position, Test Distance [mm]	
5G	Top Edge, 2.00	1.0

H	ard	wa	re	Se	ıtç	ın

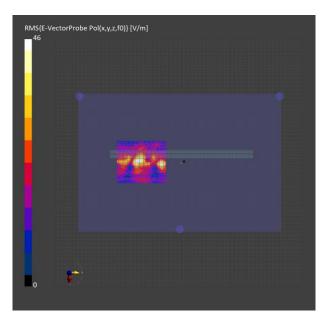
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

### **Measurement Results**

Scan Type	5G Scan
Date	2024-12-31
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m²]	1.06
psPDtot+ [W/m²]	1.33
psPDmod+ [W/m²]	1.56
E <sub>max</sub> [V/m]	34.5
Power Drift [dB]	0.02



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Page: 157 of 170

ID: 085

Report No. :TESA2411000782ES

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	ntom Section Position, Test Distance [mm]	
5G	Top Edge, 2.00	1.0

Ha	rdw	are	Se	tun	
110	IUV	aıc	UC	LUU	,

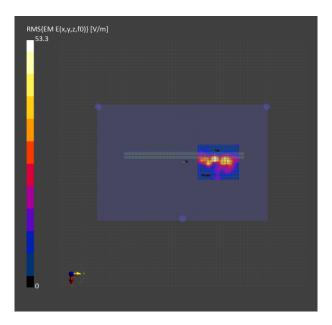
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

### **Measurement Results**

mode at official too date	
Scan Type	5G Scan
Date	2024-12-31
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m²]	2.39
psPDtot+ [W/m²]	2.78
psPDmod+ [W/m²]	3.84
E <sub>max</sub> [V/m]	53.3
Power Drift [dB]	0.03



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Page: 158 of 170

ID: 086

Report No. :TESA2411000782ES

Measurement Report\_Top Edge, U-NII-5

IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle), Channel 47 (6185.0 MHz)\_2mm\_Tx2

**Exposure Conditions** 

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

### **Hardware Setup**

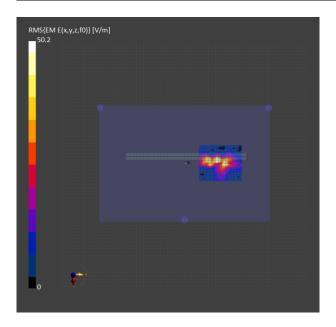
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **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**

5G Scan
2024-12-31
4.00
1.90
2.32
3.47
50.2
0.18



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Page: 159 of 170

ID: 087

Report No. :TESA2411000782ES

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

Ha	rdv	vare	e S	eti	ın

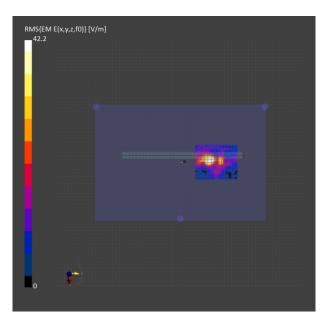
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

### **Measurement Results**

5G Scan
2024-12-31
4.00
1.63
1.78
2.21
42.2
0.15



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Page: 160 of 170

ID: 088

Report No. :TESA2411000782ES

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

H	ard	wa	re	Se	ıtç	ın

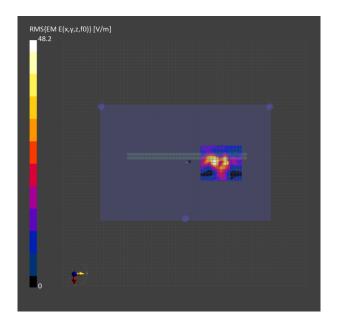
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

### **Scans Setup**

5G Scan
100.0 x 120.0
0.0625 x 0.0625
2.0

### **Measurement Results**

5G Scan
2024-12-31
4.00
2.83
3.16
3.61
48.2
-0.04



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Page: 161 of 170

ID: 089

Report No. :TESA2411000782ES

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

Ha	rdw	are	Se	tun	
110	IUV	aıc	UC	LUU	,

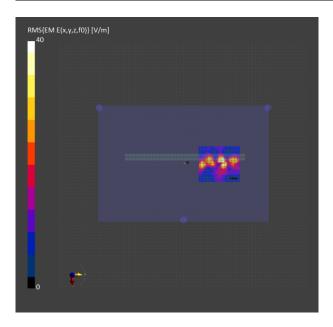
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1076	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

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

### **Measurement Results**

5G Scan
2024-12-31
4.00
1.21
1.42
2.05
40.0
-0.14



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Page: 162 of 170

### 14 SAR SYSTEM CHECK RESULTS

Date: 2024/12/25

**Report No. :TESA2411000782ES** 

Dipole 2450 MHz SN:728

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

Medium parameters used: f = 2450 MHz;  $\sigma = 1.778 \text{ S/m}$ ;  $\epsilon r = 38.899$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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: 2024/7/31

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- Phantom: ELI
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (interpolated) = 21.7 W/kg

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

Reference Value = 99.70 V/m; Power Drift = -0.03 dB

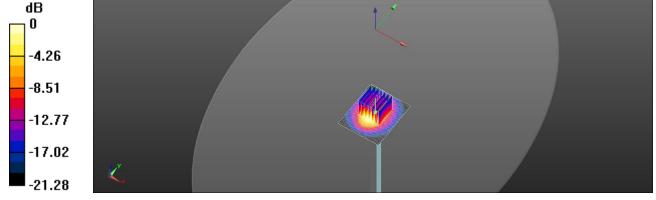
Peak SAR (extrapolated) = 27.4 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.19 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 50.7%

Maximum value of SAR (measured) = 20.5 W/kg



0 dB = 20.5 W/kg = 13.12 dBW/kg

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Page: 163 of 170

Date: 2024/12/26

Report No. :TESA2411000782ES Dipole 5250 MHz\_SN:1349

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

Medium parameters used: f = 5250 MHz;  $\sigma$  = 4.683 S/m;  $\epsilon$ r = 35.695;  $\rho$  = 1000 kg/m<sup>3</sup>

Phantom section: Flat Section

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

## DASY5 Configuration:

- Probe: EX3DV4 SN7823; ConvF(5.57, 5.08, 5.16) @ 5250 MHz; Calibrated: 2024/7/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1751; Calibrated: 2024/3/13
- 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) = 19.5 W/kg

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

Reference Value = 57.79 V/m; Power Drift = 0.01 dB

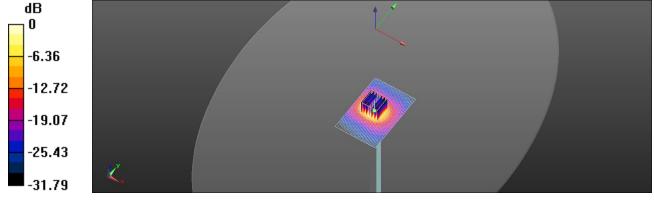
Peak SAR (extrapolated) = 36.1 W/kg

SAR(1 g) = 8.54 W/kg; SAR(10 g) = 2.34 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

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

Maximum value of SAR (measured) = 18.8 W/kg



0 dB = 18.8 W/kg = 12.74 dBW/kg

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Page: 164 of 170

Date: 2024/12/27

Report No. :TESA2411000782ES Dipole 5600 MHz\_SN:1349

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

Medium parameters used: f = 5600 MHz;  $\sigma$  = 5.059 S/m;  $\epsilon$ r = 35.267;  $\rho$  = 1000 kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

## DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.05, 4.61, 4.69) @ 5600 MHz; Calibrated: 2024/7/31

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

Electronics: DAE4 Sn1751; Calibrated: 2024/3/13

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 = 55.93 V/m; Power Drift = 0.04 dB

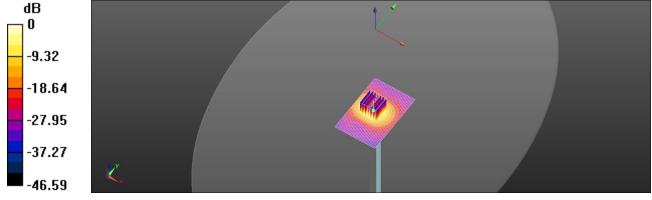
Peak SAR (extrapolated) = 33.1 W/kg

# SAR(1 g) = 8.01 W/kg; SAR(10 g) = 2.37 W/kg

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

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

Maximum value of SAR (measured) = 17.2 W/kg



0 dB = 17.2 W/kg = 11.90 dBW/kg

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Page: 165 of 170

Date: 2024/12/27

**Report No. :TESA2411000782ES** Dipole 5750 MHz\_SN:1349

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

Medium parameters used: f = 5750 MHz;  $\sigma = 5.203 \text{ S/m}$ ;  $\epsilon r = 35.072$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.1°C

## DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(5.19, 4.74, 4.81) @ 5750 MHz; Calibrated: 2024/7/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/3/13

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 = 57.19 V/m; Power Drift = 0.01 dB

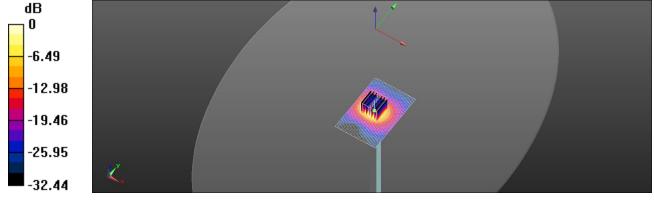
Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.61 W/kg; SAR(10 g) = 2.19 W/kg

Smallest distance from peaks to all points 3 dB below = 6.2 mm

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

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



0 dB = 15.9 W/kg = 11.96 dBW/kg

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Page: 166 of 170

Date: 2024/12/28

**Report No. :TESA2411000782ES** Dipole 5850 MHz\_SN:1349

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

Medium parameters used: f = 5850 MHz;  $\sigma = 5.305 \text{ S/m}$ ;  $\epsilon r = 34.885$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

## DASY5 Configuration:

Probe: EX3DV4 - SN7823; ConvF(4.99, 4.55, 4.62) @ 5850 MHz; Calibrated: 2024/7/31

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1751; Calibrated: 2024/3/13

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) = 17.3 W/kg

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

Reference Value = 65.79 V/m; Power Drift = 0.02 dB

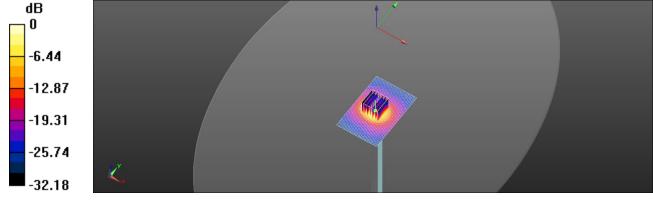
Peak SAR (extrapolated) = 30.0 W/kg

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

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

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

Maximum value of SAR (measured) = 16.4 W/kg



0 dB = 16.4 W/kg = 12.10 dBW/kg

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Page: 167 of 170

Report No.: TESA2411000782ES

Measurement Report Dipole\_D6500-SN:1006

Ambient temperature: 22.6; Liquid temperature: 22.5

**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	5.34	6.027	34.262

**Hardware Setup** 

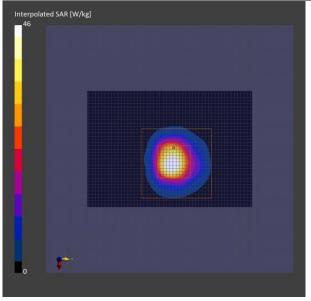
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

	Area Scan	Zoom Scan		
Grid Extents [mm]	36.0 x 51.0	30.6 x 30.6 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	2024-12-29	2024-12-29
psSAR1g [W/kg]	26.2	30.7
psSAR8g [W/kg]	6.12	7.09
psSAR10g [W/kg]	5.05	5.83
psPDab (4.0cm2, sq) [W/m2]		142
Power Drift [dB]	0.03	0.08
M2/M1 [%]		57.9
Dist 3dB Peak [mm]		4.6



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Page: 168 of 170

Report No. :TESA2411000782ES

Measurement Report Dipole\_D7000-SN:1007

Ambient temperature: 22.6; Liquid temperature: 22.5

**Exposure Conditions** 

Phantom Section, TSL	Position, Test Distance	Frequency [MHz], Channel	Conversion	TSL Conductivity	TSL
	[mm]	Number	Factor	[S/m]	Permittivity
Flat, HSL	FRONT, 5.00	7000.0, 7000	5.47	6.632	33.765

**Hardware Setup** 

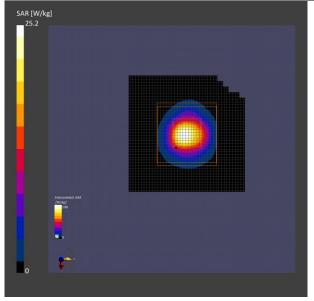
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7823, 2024-07-31	DAE4 Sn1751, 2024-03-13

**Scans Setup** 

·	Area Scan	Zoom Scan
Grid Extents [mm]	45.0 x 45.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.0 x 3.0 x 1.2
Sensor Surface [mm]	3.0	1.4

### **Measurement Results**

	Area Scan	Zoom Scan
Date	2024-12-29	2024-12-29
psSAR1g [W/kg]	25.8	27.8
psSAR8g [W/kg]	5.80	5.88
psSAR10g [W/kg]	4.79	4.92
psPDab (4.0cm2, sq) [W/m2]		118
Power Drift [dB]	-0.11	-0.06
M2/M1 [%]		59.3
Dist 3dB Peak [mm]		4.9



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Page: 169 of 170

# 15 PD SYSTEM CHECK RESULTS

Report No. :TESA2411000782ES

**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** 

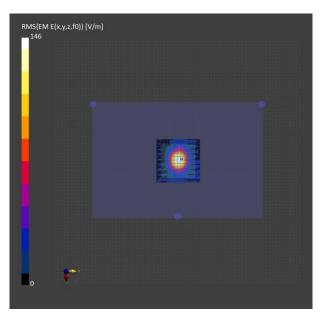
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV3 - SN9399_F1-55GHz, 2024-01-23	DAE4 Sn1751, 2024-03-13

**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

### **Measurement Results**

nouse in the transfer of the t	
5G Scan	
2024-12-30	
1.00	
48.3	
48.8	
49.1	
142	
0.01	



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Page: 170 of 170

# Refer to separated files for the following appendixes.

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

- End of report -

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