

FCC SAR TEST REPORT

FCC ID : MSQBE211NG
Equipment : WLAN and BT, 2x2 PCIe. M.2 2230 adapter card
Brand Name : ASUS
Model Name : BE211NGW,
Applicant : ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Manufacturer : ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Standard : FCC 47 CFR Part 2 (2.1093)

The product was installed into Notebook PC/ASUS Expertbook (Brand Name: ASUS, Model Name: B5406FMA,B5456FMA) during test.

The product was received on Mar. 18, 2026 and testing was started from Jun. 12, 2026 and completed on Jul. 02, 2026. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been pass the FCC requirement.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



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History of this test report

Report No.	Version	Description	Issued Date
FA622607	01	Initial issue of report	Jul. 28, 2026
FA622607	02	Update section 11	Aug. 14, 2026

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for ASUSTeK COMPUTER INC., WLAN and BT, 2x2 PCIe. M.2 2230 adapter card, BE211NGW,, are as follows.

Equipment Class	Frequency Band	Highest SAR Summary	
		Body (Separation: 0 mm)	Highest Body Simultaneous Transmission 1g SAR (W/kg)
		1g SAR (W/kg)	
DTS	2.4GHz WLAN	1.16	1.55
NII	5GHz WLAN	1.20	1.59
6CD	6GHz WLAN	1.19	1.59
DSS	Bluetooth	0.39	1.59
Frequency Band		Body Reported APD (mW/cm ²)	Reported PD (mW/ cm ²)
6CD	6GHz WLAN	0.74	0.58
Date of Testing:		2026/06/12 ~ 2026/07/02	

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation and the FCC designation No. TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test. This device is in compliance with Specific Absorption Rate (SAR) general population/uncontrolled exposure limits (1.6 W/kg for Partial-Body 1g SAR) specified in FCC 47 CFR part 2 (2.1093), Human Exposure to RF Radiation Limits (1.0 mW/cm²=10 W/m²) specified in FCC 47 CFR part 1.1310 and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.

Reviewed by: Jason Wang
Report Producer: Paula Chen

2. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards, the below KDB standard may not including in the TAF code without accreditation.

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 616217 D04 SAR for laptop and tablets v01r02
- IEC/IEEE 62209-1528:2020
- SPEAG DASY6 System Handbook
- SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)

3. Equipment Under Test (EUT) Information

3.1 General Information

Product Feature & Specification	
Equipment Name	WLAN and BT, 2x2 PCIe. M.2 2230 adapter card
Brand Name	ASUS
Model Name	BE211NGW,
FCC ID	MSQBE211NG
Wireless Technology and Frequency Range	WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz WLAN 5.9 GHz Band: 5850 MHz ~ 5895 MHz WLAN 6GHz Band: 5925 MHz ~ 6425 MHz, 6425 MHz ~ 6525 MHz, 6525 MHz ~ 6875 MHz, 6875 MHz ~ 7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz
Mode	WLAN: 802.11a/b/g/n/ac/ax/be HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160/EHT320 Bluetooth BR/EDR/LE
Remark: 1. This device is convertible type portable computer, and there are two mode as usage way, one is laptop mode, another is tablet mode. 2. The device has two samples: the LUX sample and the ADV sample. The LUX sample is used as the main test, and the ADV sample is spot-checked based on the worst-case results.	

Host Information	
Equipment Name	Notebook PC/ASUS Expertbook
Brand Name	ASUS
HMN	B5406FMA,B5456FMA
Remark: All models are electrically identical (including circuitry, components, layout, antenna type and gain, and enclosure); the different model names are for marketing purposes only.	

WLAN Antenna Information									
1_main (Shenzhen Luxshare Acoustics Technology Ltd)	Ant. Type	PIFA	connector		2_aux (Shenzhen Luxshare Acoustics Technology Ltd)	Ant. Type	PIFA	connector	
	Model No.	RAN01-RY7200001				Model No.	RAN01-RY7200001		
	Peak Gain (dBi)_NB mode					Peak Gain (dBi)_NB mode			
	2400~2483.5MHz	1.8	5850~5925MHz	2.6		2400~2483.5MHz	2	5850~5925MHz	2
	5150~5250MHz	2.9	5925~6425MHz	2.2		5150~5250MHz	1	5925~6425MHz	2.2
	5250~5350MHz	2.1	6425~6525MHz	1.5		5250~5350MHz	1.9	6425~6525MHz	1.9
	5470~5725MHz	2.9	6525~6875MHz	1		5470~5725MHz	2.5	6525~6875MHz	1.7
	5725~5875MHz	2.4	6875~7125MHz	2.4		5725~5875MHz	2.2	6875~7125MHz	1.6
	Peak Gain (dBi)_PAD mode					Peak Gain (dBi)_PAD mode			
	2400~2483.5MHz	1.6	5850~5925MHz	1.5		2400~2483.5MHz	0.6	5850~5925MHz	0.5
	5150~5250MHz	1.7	5925~6425MHz	1.8		5150~5250MHz	1.7	5925~6425MHz	1.3
	5250~5350MHz	1.2	6425~6525MHz	1.6		5250~5350MHz	2.8	6425~6525MHz	1.7
	5470~5725MHz	1.6	6525~6875MHz	0.4		5470~5725MHz	1	6525~6875MHz	0.9
	5725~5875MHz	2.6	6875~7125MHz	0.8		5725~5875MHz	1.9	6875~7125MHz	1.3
3_main (Advanced Wireless & Antenna INC))	Ant. Type	PIFA	connector		4_aux (Advanced Wireless & Antenna INC))	Ant. Type	PIFA	connector	
	Model No.	RAN01-RY7200002				Model No.	RAN01-RY7200002		
	Peak Gain (dBi)_NB mode					Peak Gain (dBi)_NB mode			
	2400~2483.5MHz	0.6	5850~5925MHz	2.1		2400~2483.5MHz	0.7	5850~5925MHz	1.5
	5150~5250MHz	2	5925~6425MHz	1.4		5150~5250MHz	0.8	5925~6425MHz	2.2
	5250~5350MHz	1.3	6425~6525MHz	1		5250~5350MHz	1.5	6425~6525MHz	1.7
	5470~5725MHz	2.6	6525~6875MHz	0.7		5470~5725MHz	2.2	6525~6875MHz	1.4
	5725~5875MHz	1.9	6875~7125MHz	1.2		5725~5875MHz	1.5	6875~7125MHz	1.6
	Peak Gain (dBi)_PAD mode					Peak Gain (dBi)_PAD mode			
	2400~2483.5MHz	1.5	5850~5925MHz	1.46		2400~2483.5MHz	0.58	5850~5925MHz	0.47
	5150~5250MHz	1.6	5925~6425MHz	1.77		5150~5250MHz	1.59	5925~6425MHz	1.28
	5250~5350MHz	1.07	6425~6525MHz	1.51		5250~5350MHz	2.64	6425~6525MHz	1.62
	5470~5725MHz	1.54	6525~6875MHz	0.38		5470~5725MHz	0.88	6525~6875MHz	0.88
	5725~5875MHz	2.42	6875~7125MHz	0.76		5725~5875MHz	1.87	6875~7125MHz	1.22

Bluetooth Antenna Information				
2_aux (Shenzhen Luxshare Acoustics Technology Ltd)	Ant. Type	PIFA	Peak Gain	NB mode: 2 PAD mode: 0.6
	connector		Model No.	RAN01-RY7200001
4_aux (Advanced Wireless & Antenna INC))	Ant. Type	PIFA	Peak Gain	NB mode: 0.7 PAD mode: 0.58
	connector		Model No.	RAN01-RY7200002

**3.2 Sensor Triggering angle and power verification****General Note:**

1. The following guidance should be applied to laptops/tablets that use Hall Effect or gravity sensors to detect lid angle for the purpose of power reduction:

Step 1: With the lid is in closed mode (0 degrees), open the screen in 10 degree steps until laptop mode is obtained
Step 2: Lower the screen 5 degrees. Closed mode should be reobtained. If not keep lowering in 5 degree steps
Step 3: Open the screen in 1 degree steps until laptop mode is reobtained
Step 4: Continue opening the screen in 1 degree steps until at least 5 degrees past where laptop mode was obtained
Step 5: Then continue opening the screen in 10 degree steps until tablet mode is obtained
Step 6: Power measurements should be taken at each step
Step 7: Reverse this procedure going from tablet mode back down to closed mode

when the screen angle is from 0 degree to 360 degree to 0 degree							
Screen angle (degree) v.s. power	Main Antenna						
	Wireless Band	WLAN2.4G	WLAN5.2G	WLAN5.3G	WLAN5.5G	WLAN5.8G	WLAN5.9G
	Clamshell Mode						
	0	12.61	10.21	10.28	10.12	10.32	10.46
	1	12.61	10.21	10.28	10.12	10.32	10.46
	2	12.61	10.21	10.28	10.12	10.32	10.46
	3	12.61	10.21	10.28	10.12	10.32	10.46
	4	12.61	10.21	10.28	10.12	10.32	10.46
	5	12.61	10.21	10.28	10.12	10.32	10.46
	10	12.61	10.21	10.28	10.12	10.32	10.46
	20	12.61	10.21	10.28	10.12	10.32	10.46
	30	12.61	10.21	10.28	10.12	10.32	10.46
	40	12.61	10.21	10.28	10.12	10.32	10.46
	50	12.61	10.21	10.28	10.12	10.32	10.46
	60	12.61	10.21	10.28	10.12	10.32	10.46
	70	12.61	10.21	10.28	10.12	10.32	10.46
	80	12.61	10.21	10.28	10.12	10.32	10.46
	90	12.61	10.21	10.28	10.12	10.32	10.46
	100	12.61	10.21	10.28	10.12	10.32	10.46
	110	12.61	10.21	10.28	10.12	10.32	10.46
	120	12.61	10.21	10.28	10.12	10.32	10.46
	130	12.61	10.21	10.28	10.12	10.32	10.46
	140	12.61	10.21	10.28	10.12	10.32	10.46
	150	12.61	10.21	10.28	10.12	10.32	10.46
	160	12.61	10.21	10.28	10.12	10.32	10.46
	170	12.61	10.21	10.28	10.12	10.32	10.46
	180	12.61	10.21	10.28	10.12	10.32	10.46
	186	12.61	10.21	10.28	10.12	10.32	10.46
	187	12.61	10.21	10.28	10.12	10.32	10.46
	188	12.61	10.21	10.28	10.12	10.32	10.46
	189	12.61	10.21	10.28	10.12	10.32	10.46
	190	12.61	10.21	10.28	10.12	10.32	10.46
	Tent / Stand Mode						
	191	15.59	9.98	10.00	9.37	10.96	11.05
	192	15.59	9.98	10.00	9.37	10.96	11.05
	193	15.59	9.98	10.00	9.37	10.96	11.05
	194	15.59	9.98	10.00	9.37	10.96	11.05
	195	15.59	9.98	10.00	9.37	10.96	11.05
	200	15.59	9.98	10.00	9.37	10.96	11.05
	210	15.59	9.98	10.00	9.37	10.96	11.05
	220	15.59	9.98	10.00	9.37	10.96	11.05
	230	15.59	9.98	10.00	9.37	10.96	11.05
	240	15.59	9.98	10.00	9.37	10.96	11.05
	250	15.59	9.98	10.00	9.37	10.96	11.05



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		260	15.59	9.98	10.00	9.37	10.96	11.05
		270	15.59	9.98	10.00	9.37	10.96	11.05
		280	15.59	9.98	10.00	9.37	10.96	11.05
		290	15.59	9.98	10.00	9.37	10.96	11.05
		300	15.59	9.98	10.00	9.37	10.96	11.05
		310	15.59	9.98	10.00	9.37	10.96	11.05
		320	15.59	9.98	10.00	9.37	10.96	11.05
		330	15.59	9.98	10.00	9.37	10.96	11.05
		336	15.59	9.98	10.00	9.37	10.96	11.05
		337	15.59	9.98	10.00	9.37	10.96	11.05
		338	15.59	9.98	10.00	9.37	10.96	11.05
		339	15.59	9.98	10.00	9.37	10.96	11.05
	Tablet Mode	340	15.59	9.98	10.00	9.37	10.96	11.05
		341	15.59	9.98	10.00	9.37	10.96	11.05
		342	15.59	9.98	10.00	9.37	10.96	11.05
		343	15.59	9.98	10.00	9.37	10.96	11.05
		344	15.59	9.98	10.00	9.37	10.96	11.05
		345	15.59	9.98	10.00	9.37	10.96	11.05
		350	15.59	9.98	10.00	9.37	10.96	11.05
		360	15.59	9.98	10.00	9.37	10.96	11.05
		350	15.59	9.98	10.00	9.37	10.96	11.05
		345	15.59	9.98	10.00	9.37	10.96	11.05
		344	15.59	9.98	10.00	9.37	10.96	11.05
		343	15.59	9.98	10.00	9.37	10.96	11.05
		342	15.59	9.98	10.00	9.37	10.96	11.05
	Tent / Stand Mode	341	15.59	9.98	10.00	9.37	10.96	11.05
		340	15.59	9.98	10.00	9.37	10.96	11.05
		339	15.59	9.98	10.00	9.37	10.96	11.05
		338	15.59	9.98	10.00	9.37	10.96	11.05
		337	15.59	9.98	10.00	9.37	10.96	11.05
		336	15.59	9.98	10.00	9.37	10.96	11.05
		330	15.59	9.98	10.00	9.37	10.96	11.05
		320	15.59	9.98	10.00	9.37	10.96	11.05
		310	15.59	9.98	10.00	9.37	10.96	11.05
		300	15.59	9.98	10.00	9.37	10.96	11.05
		290	15.59	9.98	10.00	9.37	10.96	11.05
		280	15.59	9.98	10.00	9.37	10.96	11.05
		270	15.59	9.98	10.00	9.37	10.96	11.05
		260	15.59	9.98	10.00	9.37	10.96	11.05
		250	15.59	9.98	10.00	9.37	10.96	11.05
		240	15.59	9.98	10.00	9.37	10.96	11.05
		230	15.59	9.98	10.00	9.37	10.96	11.05
		220	15.59	9.98	10.00	9.37	10.96	11.05
	Clamshell Mode	200	15.59	9.98	10.00	9.37	10.96	11.05
		195	15.59	9.98	10.00	9.37	10.96	11.05
		194	15.59	9.98	10.00	9.37	10.96	11.05
		193	15.59	9.98	10.00	9.37	10.96	11.05
		192	15.59	9.98	10.00	9.37	10.96	11.05
		191	15.59	9.98	10.00	9.37	10.96	11.05
		190	12.61	10.21	10.28	10.12	10.32	10.46
		189	12.61	10.21	10.28	10.12	10.32	10.46
		188	12.61	10.21	10.28	10.12	10.32	10.46
		187	12.61	10.21	10.28	10.12	10.32	10.46
		186	12.61	10.21	10.28	10.12	10.32	10.46
		180	12.61	10.21	10.28	10.12	10.32	10.46
		170	12.61	10.21	10.28	10.12	10.32	10.46



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	160	12.61	10.21	10.28	10.12	10.32	10.46
	150	12.61	10.21	10.28	10.12	10.32	10.46
	140	12.61	10.21	10.28	10.12	10.32	10.46
	130	12.61	10.21	10.28	10.12	10.32	10.46
	120	12.61	10.21	10.28	10.12	10.32	10.46
	110	12.61	10.21	10.28	10.12	10.32	10.46
	100	12.61	10.21	10.28	10.12	10.32	10.46
	90	12.61	10.21	10.28	10.12	10.32	10.46
	80	12.61	10.21	10.28	10.12	10.32	10.46
	70	12.61	10.21	10.28	10.12	10.32	10.46
	60	12.61	10.21	10.28	10.12	10.32	10.46
	50	12.61	10.21	10.28	10.12	10.32	10.46
	40	12.61	10.21	10.28	10.12	10.32	10.46
	30	12.61	10.21	10.28	10.12	10.32	10.46
	20	12.61	10.21	10.28	10.12	10.32	10.46
	10	12.61	10.21	10.28	10.12	10.32	10.46
	5	12.61	10.21	10.28	10.12	10.32	10.46
	4	12.61	10.21	10.28	10.12	10.32	10.46
	3	12.61	10.21	10.28	10.12	10.32	10.46
	2	12.61	10.21	10.28	10.12	10.32	10.46
	1	12.61	10.21	10.28	10.12	10.32	10.46
	0	12.61	10.21	10.28	10.12	10.32	10.46

when the screen angle is from 0 degree to 360 degree to 0 degree								
	Aux Antenna							
	Wireless Band	WLAN2.4G	WLAN5.2G	WLAN5.3G	WLAN5.5G	WLAN5.8G	WLAN5.9G	
Screen angle (degree) v.s. power	Clamshell Mode	0	12.42	9.76	9.81	10.42	10.44	10.51
		1	12.42	9.76	9.81	10.42	10.44	10.51
		2	12.42	9.76	9.81	10.42	10.44	10.51
		3	12.42	9.76	9.81	10.42	10.44	10.51
		4	12.42	9.76	9.81	10.42	10.44	10.51
		5	12.42	9.76	9.81	10.42	10.44	10.51
		10	12.42	9.76	9.81	10.42	10.44	10.51
		20	12.42	9.76	9.81	10.42	10.44	10.51
		30	12.42	9.76	9.81	10.42	10.44	10.51
		40	12.42	9.76	9.81	10.42	10.44	10.51
		50	12.42	9.76	9.81	10.42	10.44	10.51
		60	12.42	9.76	9.81	10.42	10.44	10.51
		70	12.42	9.76	9.81	10.42	10.44	10.51
		80	12.42	9.76	9.81	10.42	10.44	10.51
		90	12.42	9.76	9.81	10.42	10.44	10.51
		100	12.42	9.76	9.81	10.42	10.44	10.51
		110	12.42	9.76	9.81	10.42	10.44	10.51
		120	12.42	9.76	9.81	10.42	10.44	10.51
		130	12.42	9.76	9.81	10.42	10.44	10.51
		140	12.42	9.76	9.81	10.42	10.44	10.51
		150	12.42	9.76	9.81	10.42	10.44	10.51
		160	12.42	9.76	9.81	10.42	10.44	10.51
		170	12.42	9.76	9.81	10.42	10.44	10.51
		180	12.42	9.76	9.81	10.42	10.44	10.51
		186	12.42	9.76	9.81	10.42	10.44	10.51
		187	12.42	9.76	9.81	10.42	10.44	10.51
		188	12.42	9.76	9.81	10.42	10.44	10.51
		189	12.42	9.76	9.81	10.42	10.44	10.51
		190	12.42	9.76	9.81	10.42	10.44	10.51



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	Tent / Stand Mode	191	13.48	11.75	11.80	11.91	12.42	12.00
		192	13.48	11.75	11.80	11.91	12.42	12.00
		193	13.48	11.75	11.80	11.91	12.42	12.00
		194	13.48	11.75	11.80	11.91	12.42	12.00
		195	13.48	11.75	11.80	11.91	12.42	12.00
		200	13.48	11.75	11.80	11.91	12.42	12.00
		210	13.48	11.75	11.80	11.91	12.42	12.00
		220	13.48	11.75	11.80	11.91	12.42	12.00
		230	13.48	11.75	11.80	11.91	12.42	12.00
		240	13.48	11.75	11.80	11.91	12.42	12.00
		250	13.48	11.75	11.80	11.91	12.42	12.00
		260	13.48	11.75	11.80	11.91	12.42	12.00
		270	13.48	11.75	11.80	11.91	12.42	12.00
		280	13.48	11.75	11.80	11.91	12.42	12.00
		290	13.48	11.75	11.80	11.91	12.42	12.00
		300	13.48	11.75	11.80	11.91	12.42	12.00
		310	13.48	11.75	11.80	11.91	12.42	12.00
		320	13.48	11.75	11.80	11.91	12.42	12.00
		330	13.48	11.75	11.80	11.91	12.42	12.00
		336	13.48	11.75	11.80	11.91	12.42	12.00
		337	13.48	11.75	11.80	11.91	12.42	12.00
		338	13.48	11.75	11.80	11.91	12.42	12.00
		339	13.48	11.75	11.80	11.91	12.42	12.00
	Tablet Mode	340	13.48	11.75	11.80	11.91	12.42	12.00
		341	13.48	11.75	11.80	11.91	12.42	12.00
		342	13.48	11.75	11.80	11.91	12.42	12.00
		343	13.48	11.75	11.80	11.91	12.42	12.00
		344	13.48	11.75	11.80	11.91	12.42	12.00
		345	13.48	11.75	11.80	11.91	12.42	12.00
		350	13.48	11.75	11.80	11.91	12.42	12.00
		360	13.48	11.75	11.80	11.91	12.42	12.00
		350	13.48	11.75	11.80	11.91	12.42	12.00
		345	13.48	11.75	11.80	11.91	12.42	12.00
		344	13.48	11.75	11.80	11.91	12.42	12.00
		343	13.48	11.75	11.80	11.91	12.42	12.00
		342	13.48	11.75	11.80	11.91	12.42	12.00
		341	13.48	11.75	11.80	11.91	12.42	12.00
		340	13.48	11.75	11.80	11.91	12.42	12.00
	Tent / Stand Mode	339	13.48	11.75	11.80	11.91	12.42	12.00
		338	13.48	11.75	11.80	11.91	12.42	12.00
		337	13.48	11.75	11.80	11.91	12.42	12.00
		336	13.48	11.75	11.80	11.91	12.42	12.00
		330	13.48	11.75	11.80	11.91	12.42	12.00
		320	13.48	11.75	11.80	11.91	12.42	12.00
		310	13.48	11.75	11.80	11.91	12.42	12.00
		300	13.48	11.75	11.80	11.91	12.42	12.00
		290	13.48	11.75	11.80	11.91	12.42	12.00
		280	13.48	11.75	11.80	11.91	12.42	12.00
		270	13.48	11.75	11.80	11.91	12.42	12.00
		260	13.48	11.75	11.80	11.91	12.42	12.00
		250	13.48	11.75	11.80	11.91	12.42	12.00
		240	13.48	11.75	11.80	11.91	12.42	12.00
		230	13.48	11.75	11.80	11.91	12.42	12.00
		220	13.48	11.75	11.80	11.91	12.42	12.00
		200	13.48	11.75	11.80	11.91	12.42	12.00
		195	13.48	11.75	11.80	11.91	12.42	12.00



		194	13.48	11.75	11.80	11.91	12.42	12.00
		193	13.48	11.75	11.80	11.91	12.42	12.00
		192	13.48	11.75	11.80	11.91	12.42	12.00
		191	13.48	11.75	11.80	11.91	12.42	12.00
	Clamshell Mode	190	12.42	9.76	9.81	10.42	10.44	10.51
		189	12.42	9.76	9.81	10.42	10.44	10.51
		188	12.42	9.76	9.81	10.42	10.44	10.51
		187	12.42	9.76	9.81	10.42	10.44	10.51
		186	12.42	9.76	9.81	10.42	10.44	10.51
		180	12.42	9.76	9.81	10.42	10.44	10.51
		170	12.42	9.76	9.81	10.42	10.44	10.51
		160	12.42	9.76	9.81	10.42	10.44	10.51
		150	12.42	9.76	9.81	10.42	10.44	10.51
		140	12.42	9.76	9.81	10.42	10.44	10.51
		130	12.42	9.76	9.81	10.42	10.44	10.51
		120	12.42	9.76	9.81	10.42	10.44	10.51
		110	12.42	9.76	9.81	10.42	10.44	10.51
		100	12.42	9.76	9.81	10.42	10.44	10.51
		90	12.42	9.76	9.81	10.42	10.44	10.51
		80	12.42	9.76	9.81	10.42	10.44	10.51
		70	12.42	9.76	9.81	10.42	10.44	10.51
		60	12.42	9.76	9.81	10.42	10.44	10.51
		50	12.42	9.76	9.81	10.42	10.44	10.51
		40	12.42	9.76	9.81	10.42	10.44	10.51
		30	12.42	9.76	9.81	10.42	10.44	10.51
		20	12.42	9.76	9.81	10.42	10.44	10.51
		10	12.42	9.76	9.81	10.42	10.44	10.51
		5	12.42	9.76	9.81	10.42	10.44	10.51
		4	12.42	9.76	9.81	10.42	10.44	10.51
		3	12.42	9.76	9.81	10.42	10.44	10.51
		2	12.42	9.76	9.81	10.42	10.44	10.51
		1	12.42	9.76	9.81	10.42	10.44	10.51
		0	12.42	9.76	9.81	10.42	10.44	10.51

4. RF Exposure Limits

4.1 Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

4.2 Controlled Environment

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. The exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

1. Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

4.3 RF Exposure limit for above 6GHz

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 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

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

5. Specific Absorption Rate (SAR)

5.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

5.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

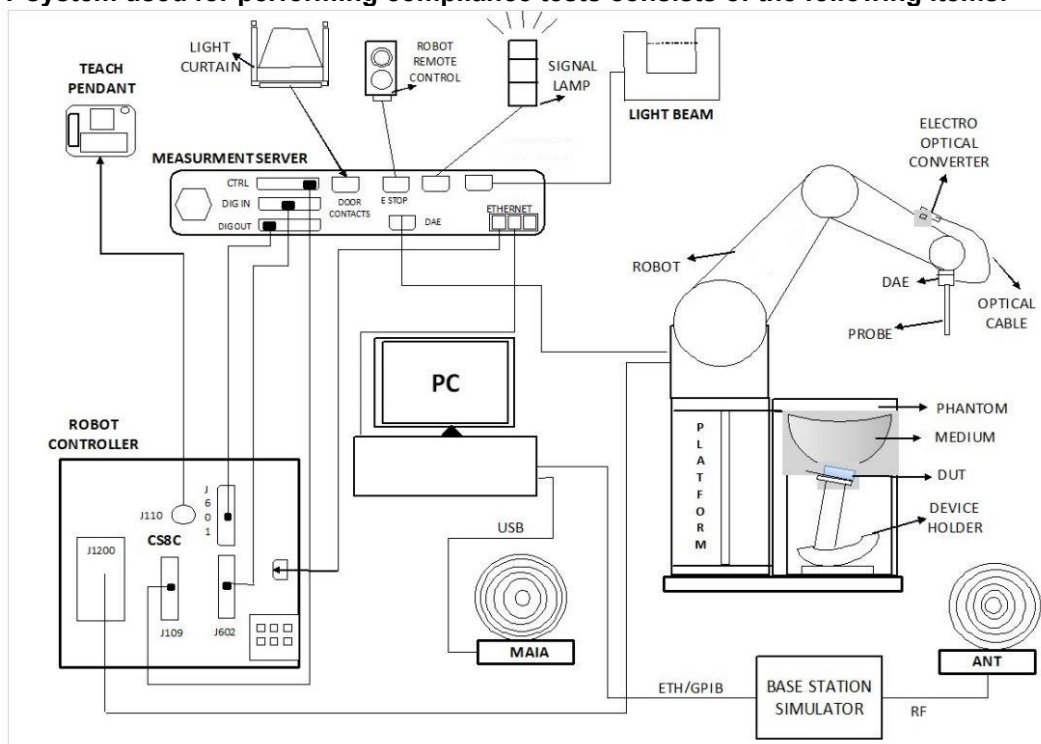
SAR is expressed in units of Watts per kilogram (W/kg)

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

6. System Description and Setup

The DASY system used for performing compliance tests consists of the following items:



- The DASY system in SAR Configuration is shown above
- 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 software and the DASY 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.

6.1 Test Site Location

The SAR measurement facilities used to collect data are within both Sporton Lab list below test site location are accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190 and 3786) and the FCC designation No. TW1190 and TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test.

Laboratory	EMC & Wireless Communications Laboratory			Wensan Laboratory				
Test Site Location	TW1190 No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333			TW3786 No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010				
Test Site No.	SAR01-HY	SAR03-HY	SAR08-HY	SAR09-HY	SAR15-HY	SAR18-HY	SAR21-HY	
	SAR04-HY	SAR05-HY	SAR11-HY	SAR12-HY	SAR16-HY	SAR19-HY	SAR22-HY	
	SAR06-HY	SAR10-HY	SAR13-HY	SAR14-HY	SAR17-HY	SAR20-HY		

6.2 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

< ES3DV3 Probe >

Construction	Symmetric design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – 4 GHz; Linearity: ± 0.2 dB (30 MHz – 4 GHz)	
Directivity	± 0.2 dB in TSL (rotation around probe axis) ± 0.3 dB in TSL (rotation normal to probe axis)	
Dynamic Range	5 μ W/g – > 100 mW/g; Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 3.9 mm (body: 12 mm) Distance from probe tip to dipole centers: 3.0 mm	

< EX3DV4 Probe >

Construction	Symmetric design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – > 6 GHz Linearity: ± 0.2 dB (30 MHz – 6 GHz)	
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)	
Dynamic Range	10 μ W/g – > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 2.5 mm (body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

6.3 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.



Fig 5.1 Photo of DAE

6.4 Phantom

< SAM Twin Phantom >

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm	
Filling Volume	Approx. 25 liters	
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet	
Measurement Areas	Left Hand, Right Hand, Flat Phantom	

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

< ELI Phantom >

Shell Thickness	2 ± 0.2 mm (sagging: < 1%)	
Filling Volume	Approx. 30 liters	
Dimensions	Major ellipse axis: 600 mm Minor axis: 400 mm	

The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

6.5 Device Holder

< Mounting Device for Hand-Held Transmitter >

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). And upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.



Mounting Device for Hand-Held Transmitters



Mounting Device Adaptor for Wide-Phones

< Mounting Device for Laptops and other Body-Worn Transmitters >

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the mounting device in place of the phone positioned. The extension is fully compatible with the SAM Twin and ELI phantoms.



Mounting Device for Laptops

7. Measurement Procedures

The measurement procedures are as follows:

- (a) Configure the device RF transmitters to be in continuous transmission mode., at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix D demonstrates.
- (c) Set scan area, grid size and other setting on the DASY software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

7.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

7.2 Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

7.3 Area Scan

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB0) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.

Area scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}	≤ 2 GHz: ≤ 15 mm $2 - 3$ GHz: ≤ 12 mm	$3 - 4$ GHz: ≤ 12 mm $4 - 6$ GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

7.4 Zoom Scan

Zoom scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 gram and 10 gram of simulated tissue. The zoom scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the zoom scan evaluates the averaged SAR for 1 gram and 10 gram and displays these values next to the job's label.

Zoom scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			≤ 2 GHz: ≤ 8 mm $2 - 3$ GHz: ≤ 5 mm*	$3 - 4$ GHz: ≤ 5 mm* $4 - 6$ GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		≤ 5 mm	$3 - 4$ GHz: ≤ 4 mm $4 - 5$ GHz: ≤ 3 mm $5 - 6$ GHz: ≤ 2 mm
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	$3 - 4$ GHz: ≤ 3 mm $4 - 5$ GHz: ≤ 2.5 mm $5 - 6$ GHz: ≤ 2 mm
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	$3 - 4$ GHz: ≥ 28 mm $4 - 5$ GHz: ≥ 25 mm $5 - 6$ GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

7.5 Volume Scan Procedures

The volume scan is used to assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

7.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASYS measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

8. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Last Cal.	Due Date
SPEAG	2450MHz System Validation Kit	D2450V2	929	Nov. 12, 2025	Nov. 11, 2026
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1083	Oct. 22, 2025	Oct. 21, 2026
SPEAG	5GHz System Validation Kit ⁽²⁾	D5GHzV2	1128	Sep. 17, 2024	Sep. 15, 2026
SPEAG	5GHz System Validation Kit ⁽²⁾	D5GHzV2	1006	Oct. 15, 2024	Oct. 13, 2026
SPEAG	Data Acquisition Electronics	DAE4	1694	Oct. 15, 2025	Oct. 14, 2026
SPEAG	Data Acquisition Electronics	DAE4	699	Feb. 13, 2026	Feb. 12, 2027
SPEAG	Data Acquisition Electronics	DAE3	577	Mar. 13, 2026	Mar. 12, 2027
SPEAG	Data Acquisition Electronics	DAE4	1805	May. 19, 2026	May. 18, 2027
SPEAG	Dosimetric E-Field Probe	EX3DV4	7694	Oct. 23, 2025	Oct. 22, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7785	Nov. 26, 2025	Nov. 25, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7700	Jan. 26, 2026	Jan. 25, 2027
SPEAG	Dosimetric E-Field Probe	EX3DV4	7590	Mar. 17, 2026	Mar. 16, 2027
SPEAG	Dielectric Probe Kit	DAK-3.5	1146	Jul. 14, 2025	Jul. 13, 2026
Testo	Hygro meter	608-H1	45196600	Nov. 04, 2025	Nov. 03, 2026
Testo	Hygro meter	608-H1	45207528	Nov. 04, 2025	Nov. 03, 2026
R&S	BT Base Station	CBT	101136	Oct. 29, 2025	Oct. 28, 2026
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3710A	6201502524	Sep. 24, 2025	Sep. 23, 2026
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 14, 2025	Oct. 13, 2026
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3690	Aug. 14, 2025	Aug. 13, 2026
Anritsu	Power Meter	ML2495A	1419002	Aug. 13, 2024	Aug. 11, 2026
Anritsu	Power Sensor	MA2411B	1911334	Jul. 14, 2025	Jul. 13, 2026
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 09, 2025	Jul. 08, 2026
Mini-Circuits	Power Amplifier	ZHL-42W+	N147802518	Jul. 30, 2025	Jul. 29, 2026
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
Warison	Directional Coupler	WCOU-10-50S-10	WR889BMC4B1	Note 1	
Woken	Attenuator 1	WK0602-XX	N/A	Note 1	
PE	Attenuator 2	PE7005-10	N/A	Note 1	
PE	Attenuator 3	PE7005- 3	N/A	Note 1	

General Note:

1. Prior to system verification and validation, the path loss from the signal generator to the system check source and the power meter, which includes the amplifier, cable, attenuator and directional coupler, was measured by the network analyzer. The reading of the power meter was offset by the path loss difference between the path to the power meter and the path to the system check source to monitor the actual power level fed to the system check source.
2. The dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval. The justification data in appendix C can be found which the return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration for each dipole.

9. System Verification

9.1 Tissue Verification

The tissue dielectric parameters of tissue-equivalent media used for SAR measurements must be characterized within a temperature range of 18°C to 25°C, measured with calibrated instruments and apparatuses, such as network analyzers and temperature probes. The temperature of the tissue-equivalent medium during SAR measurement must also be within 18°C to 25°C and within $\pm 2^\circ\text{C}$ of the temperature when the tissue parameters are characterized. The tissue dielectric measurement system must be calibrated before use. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements.

The liquid tissue depth was at least 15cm in the phantom for all SAR testing

The SPEAG Dasy Measurement system implement a SAR error compensation algorithm as documented in IEEE Std 1528-2013 to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, according to KDB 865664 D01 and IEC/IEEE 62209-1528, the tolerance for "Delta (σ)" and "Delta (ϵ_r)" can be relaxed to $\pm 10\%$

< Tissue Dielectric Parameter Check Results >

Frequency (MHz)	Liquid Temp (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target (σ)	Permittivity Target (ϵ_r)	Delta (σ) (%)	Delta (ϵ_r) (%)	Limit (%)	Date
2450	22.7	1.835	40.679	1.8	39.2	1.94	3.77	± 10.0	2026-06-17
2450	22.5	1.829	40.674	1.8	39.2	1.61	3.76	± 10.0	2026-06-22
2450	22.4	1.8	41.5	1.8	39.2	0.00	5.87	± 10.0	2026-06-22
2450	22.3	1.83	41.3	1.8	39.2	1.67	5.36	± 10.0	2026-06-27
5250	22.7	4.639	35.64	4.71	35.95	-1.51	-0.86	± 10.0	2026-06-17
5250	22.4	4.55	36.7	4.71	35.95	-3.40	2.09	± 10.0	2026-06-21
5250	22.5	4.626	35.635	4.71	35.95	-1.78	-0.88	± 10.0	2026-06-22
5250	22.3	4.56	36.8	4.71	35.95	-3.18	2.36	± 10.0	2026-06-27
5250	22.5	4.65	36.2	4.71	35.95	-1.27	0.70	± 10.0	2026-06-27
5600	22.7	5.03	34.953	5.07	35.5	-0.79	-1.54	± 10.0	2026-06-17
5600	22.4	4.95	36.1	5.07	35.5	-2.37	1.69	± 10.0	2026-06-21
5600	22.5	5.017	34.948	5.07	35.5	-1.05	-1.55	± 10.0	2026-06-22
5600	22.3	4.96	36.2	5.07	35.5	-2.17	1.97	± 10.0	2026-06-27
5600	22.5	5.03	35.5	5.07	35.5	-0.79	0.00	± 10.0	2026-06-27
5800	22.7	5.268	34.613	5.27	35.3	-0.04	-1.95	± 10.0	2026-06-17
5800	22.4	5.18	35.8	5.27	35.3	-1.71	1.42	± 10.0	2026-06-21
5800	22.5	5.254	34.608	5.27	35.3	-0.30	-1.96	± 10.0	2026-06-22
5800	22.5	5.27	35.1	5.27	35.3	0.00	-0.57	± 10.0	2026-06-27
6500	22.3	6.1	34.8	6.07	34.5	0.49	0.87	± 10.0	2026-06-12
6500	22.5	6.06	34	6.07	34.5	-0.16	-1.45	± 10.0	2026-06-27
6500	22.5	6.15	34.9	6.07	34.5	1.32	1.16	± 10.0	2026-07-02

9.2 System Performance Check Results

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10 %. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)
SAR08	2026-06-17	2450	50	D2450V2 - 929	EX3DV4 - SN7785	DAE4 Sn1694	2.69	53.3	53.8	0.94
SAR08	2026-06-22	2450	50	D2450V2 - 929	EX3DV4 - SN7785	DAE4 Sn1694	2.68	53.3	53.6	0.56
SAR14	2026-06-22	2450	50	D2450V2 - 929	EX3DV4 - SN7694	DAE4 Sn699	2.42	53.3	48.4	-9.19
SAR12	2026-06-27	2450	50	D2450V2 - 929	EX3DV4 - SN7700	DAE3 Sn577	2.46	53.3	49.2	-7.69
SAR08	2026-06-17	5250	50	D5GHzV2 - 1128	EX3DV4 - SN7785	DAE4 Sn1694	3.54	77.5	70.8	-8.65
SAR14	2026-06-21	5250	50	D5GHzV2 - 1006	EX3DV4 - SN7694	DAE4 Sn699	3.7	80.6	74	-8.19
SAR08	2026-06-22	5250	50	D5GHzV2 - 1128	EX3DV4 - SN7785	DAE4 Sn1694	3.53	77.5	70.6	-8.90
SAR12	2026-06-27	5250	50	D5GHzV2 - 1006	EX3DV4 - SN7700	DAE3 Sn577	4.09	80.6	81.8	1.49
SAR13	2026-06-27	5250	50	D5GHzV2 - 1006	EX3DV4 - SN7590	DAE4 Sn1805	4.01	80.6	80.2	-0.50
SAR08	2026-06-17	5600	50	D5GHzV2 - 1128	EX3DV4 - SN7785	DAE4 Sn1694	3.91	81.7	78.2	-4.28
SAR14	2026-06-21	5600	50	D5GHzV2 - 1006	EX3DV4 - SN7694	DAE4 Sn699	4.37	83.4	87.4	4.80
SAR08	2026-06-22	5600	50	D5GHzV2 - 1128	EX3DV4 - SN7785	DAE4 Sn1694	3.9	81.7	78	-4.53
SAR12	2026-06-27	5600	50	D5GHzV2 - 1006	EX3DV4 - SN7700	DAE3 Sn577	4.38	83.4	87.6	5.04
SAR13	2026-06-27	5600	50	D5GHzV2 - 1006	EX3DV4 - SN7590	DAE4 Sn1805	4.42	83.4	88.4	6.00
SAR08	2026-06-17	5800	50	D5GHzV2 - 1128	EX3DV4 - SN7785	DAE4 Sn1694	3.87	78.6	77.4	-1.53
SAR14	2026-06-21	5800	50	D5GHzV2 - 1006	EX3DV4 - SN7694	DAE4 Sn699	3.87	80.6	77.4	-3.97
SAR08	2026-06-22	5800	50	D5GHzV2 - 1128	EX3DV4 - SN7785	DAE4 Sn1694	3.86	78.6	77.2	-1.78
SAR13	2026-06-27	5800	50	D5GHzV2 - 1006	EX3DV4 - SN7590	DAE4 Sn1805	4.32	80.6	86.4	7.20
SAR14	2026-06-12	6500	100	D6.5GHzV2 - 1083	EX3DV4 - SN7694	DAE4 Sn699	29.4	302	294	-2.65
SAR13	2026-06-27	6500	100	D6.5GHzV2 - 1083	EX3DV4 - SN7590	DAE4 Sn1805	32.9	302	329	8.94
SAR13	2026-07-02	6500	100	D6.5GHzV2 - 1083	EX3DV4 - SN7590	DAE4 Sn1805	29.3	302	293	-2.98

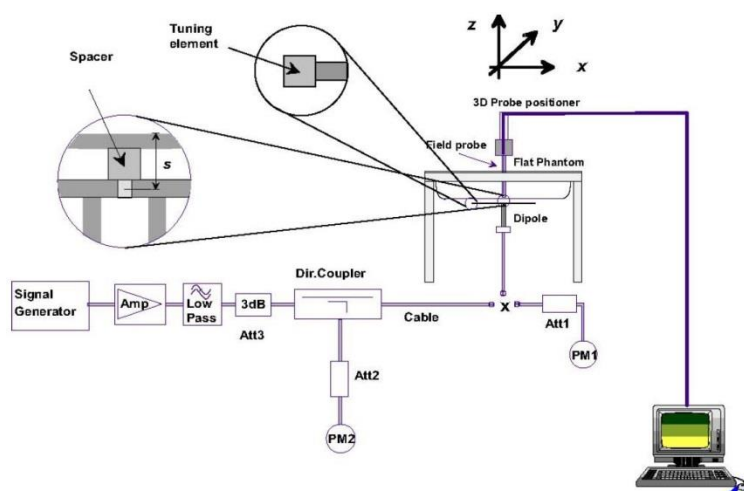


Fig 8.3.1 System Performance Check Setup



Fig 8.3.2 Setup Photo

9.1 PD System Performance Check Results

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

Test Location	Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Measured 4 cm^2 (W/m^2)	Targeted 4 cm^2 (W/m^2)	Deviation (dB)	Date
SAR14	10G	10GHz_1052	EUmmWV4 - 9424	699	10mm	56	54	0.16	2026/7/5

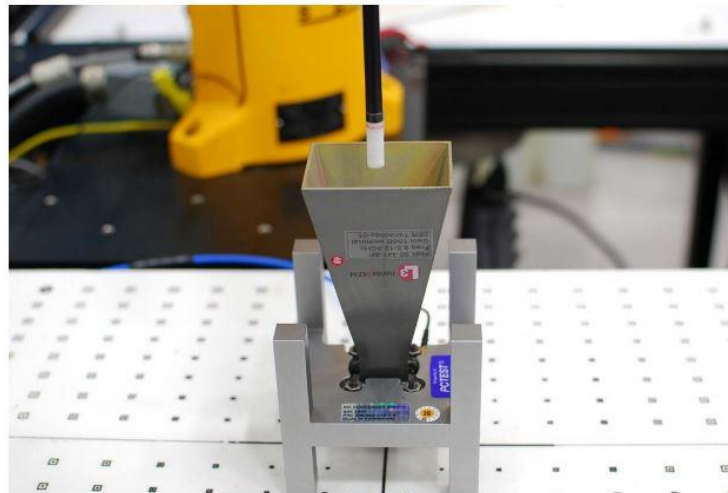


Figure 4-3
System Verification Setup Photo

System Performance Check Setup

10. RF Exposure Positions

10.1 SAR Testing for Tablet

This device can be used also in full sized tablet exposure conditions, due to its size. Per FCC KDB 616217, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR exclusion threshold in KDB 447498 D01v06 can be applied to determine SAR test exclusion for adjacent edge configurations. The closest distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

11. WiFi/Bluetooth Output Power (Unit: dBm)

General Note:

1. For each antenna, transmit power in SISO operation is larger than (or equal to) the power in MIMO operation, RF exposure compliance of MIMO mode can be deduced from the compliance simultaneous transmission of antennas operating in SISO mode.
2. Per KDB 248227 D01v02r02, the simultaneous SAR provisions in KDB publication 447498 should be applied to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1g single transmission chain SAR measurements is $< 1.6\text{W/kg}$ and SAR peak to location ratio ≤ 0.04 , no additional SAR measurements for MIMO.
3. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, additional output power measurements were not necessary.
4. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
5. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
6. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
7. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures. 18 The initial test position procedure is described in the following:
 - a. When the reported SAR of the initial test position is $\leq 0.4\text{ W/kg}$, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. When the reported SAR of the test position is $> 0.4\text{ W/kg}$, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is $\leq 0.8\text{ W/kg}$ or all required test position are tested.
 - c. For all positions/configurations, when the reported SAR is $> 0.8\text{ W/kg}$, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is $\leq 1.2\text{ W/kg}$ or all required channels are tested.
8. Per 201904 TCBC workshops, General principles of FCC KDB Publication 248227 D01 can be applied to determine the SAR Initial Test Configurations and test reduction for 802.11ax SAR testing. For the table below the 802.11ax maximum power is SU (non-OFDMA), and the SU maximum power also higher than RU (OFDMA)
9. In applying the test guidance, the IEEE 802.11 mode with the maximum output power (out of all modes) should be considered for testing
10. For modes with the same maximum output power, the guidance from section 5.3.2 a) of FCC KDB Publication 248227 D01 should be applied, with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency bands
11. When SAR testing for 802.11ax is required
 - a. If the maximum output power is highest for OFDMA scenarios, choose the tone size with the maximum number of tones and the highest maximum output power
 - b. Otherwise, consider the fully allocated channel for SAR testing
 - c. When SAR testing is required on RU sizes less than the fully allocated channel, use the RU number closest to the middle of the channel, choosing the higher RU number when two RUs are equidistant to the middle of the channel



【2.4GHz WLAN_ Main_Laptop】

Mode	Channel	Frequency (MHz)	Main		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	12.68	13.00	99.52
	6	2437	12.82	13.00	
	11	2462	12.96	13.00	
	12	2467	12.92	13.00	
	13	2472	12.62	13.00	
802.11g 6Mbps	1	2412	Not Required	13.00	Not Required
	6	2437	Not Required	13.00	
	11	2462	Not Required	13.00	
	12	2467	Not Required	13.00	
	13	2472	Not Required	13.00	
802.11n-HT20 MCS0	1	2412	Not Required	13.00	Not Required
	6	2437	Not Required	13.00	
	11	2462	Not Required	13.00	
	12	2467	Not Required	13.00	
	13	2472	Not Required	13.00	
802.11n-HT40 MCS0	3	2422	Not Required	13.00	Not Required
	6	2437	Not Required	13.00	
	9	2452	Not Required	13.00	
	10	2457	Not Required	13.00	
	11	2462	Not Required	13.00	
802.11ax-HE20 MCS0	1	2412	Not Required	13.00	Not Required
	6	2437	Not Required	13.00	
	11	2462	Not Required	13.00	
	12	2467	Not Required	13.00	
	13	2472	Not Required	13.00	
802.11ax-HE40 MCS0	3	2422	Not Required	13.00	Not Required
	6	2437	Not Required	13.00	
	9	2452	Not Required	13.00	
	10	2457	Not Required	13.00	
	11	2462	Not Required	13.00	
802.11be-EHT20 MCS0	1	2412	Not Required	13.00	Not Required
	6	2437	Not Required	13.00	
	11	2462	Not Required	13.00	
	12	2467	Not Required	13.00	
	13	2472	Not Required	13.00	
802.11be-EHT40 MCS0	3	2422	Not Required	13.00	Not Required
	6	2437	Not Required	13.00	
	9	2452	Not Required	13.00	
	10	2457	Not Required	13.00	
	11	2462	Not Required	13.00	



【2.4GHz WLAN_ Main_Tablet】

			Main		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	15.58	16.00	99.52
	6	2437	15.79	16.00	
	11	2462	15.86	16.00	
	12	2467	15.81	16.00	
	13	2472	15.53	16.00	
802.11g 6Mbps	1	2412	Not Required	16.00	Not Required
	6	2437	Not Required	16.00	
	11	2462	Not Required	16.00	
	12	2467	Not Required	16.00	
	13	2472	Not Required	16.00	
802.11n-HT20 MCS0	1	2412	Not Required	16.00	Not Required
	6	2437	Not Required	16.00	
	11	2462	Not Required	16.00	
	12	2467	Not Required	16.00	
	13	2472	Not Required	14.00	
802.11n-HT40 MCS0	3	2422	Not Required	16.00	Not Required
	6	2437	Not Required	16.00	
	9	2452	Not Required	16.00	
	10	2457	Not Required	15.50	
	11	2462	Not Required	15.00	
802.11ax-HE20 MCS0	1	2412	Not Required	16.00	Not Required
	6	2437	Not Required	16.00	
	11	2462	Not Required	16.00	
	12	2467	Not Required	16.00	
	13	2472	Not Required	14.00	
802.11ax-HE40 MCS0	3	2422	Not Required	16.00	Not Required
	6	2437	Not Required	16.00	
	9	2452	Not Required	16.00	
	10	2457	Not Required	15.50	
	11	2462	Not Required	15.00	
802.11be-EHT20 MCS0	1	2412	Not Required	16.00	Not Required
	6	2437	Not Required	16.00	
	11	2462	Not Required	16.00	
	12	2467	Not Required	16.00	
	13	2472	Not Required	14.00	
802.11be-EHT40 MCS0	3	2422	Not Required	16.00	Not Required
	6	2437	Not Required	16.00	
	9	2452	Not Required	16.00	
	10	2457	Not Required	15.50	
	11	2462	Not Required	15.00	



【2.4GHz WLAN_ Aux_Laptop】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	12.12	12.50	99.37
	6	2437	12.24	12.50	
	11	2462	12.33	12.50	
	12	2467	12.27	12.50	
	13	2472	11.75	12.50	
802.11g 6Mbps	1	2412	Not Required	12.50	Not Required
	6	2437	Not Required	12.50	
	11	2462	Not Required	12.50	
	12	2467	Not Required	12.50	
	13	2472	Not Required	12.50	
802.11n-HT20 MCS0	1	2412	Not Required	12.50	Not Required
	6	2437	Not Required	12.50	
	11	2462	Not Required	12.50	
	12	2467	Not Required	12.50	
	13	2472	Not Required	12.50	
802.11n-HT40 MCS0	3	2422	Not Required	12.50	Not Required
	6	2437	Not Required	12.50	
	9	2452	Not Required	12.50	
	10	2457	Not Required	12.50	
	11	2462	Not Required	12.50	
802.11ax-HE20 MCS0	1	2412	Not Required	12.50	Not Required
	6	2437	Not Required	12.50	
	11	2462	Not Required	12.50	
	12	2467	Not Required	12.50	
	13	2472	Not Required	12.50	
802.11ax-HE40 MCS0	3	2422	Not Required	12.50	Not Required
	6	2437	Not Required	12.50	
	9	2452	Not Required	12.50	
	10	2457	Not Required	12.50	
	11	2462	Not Required	12.50	
802.11be-EHT20 MCS0	1	2412	Not Required	12.50	Not Required
	6	2437	Not Required	12.50	
	11	2462	Not Required	12.50	
	12	2467	Not Required	12.50	
	13	2472	Not Required	12.50	
802.11be-EHT40 MCS0	3	2422	Not Required	12.50	Not Required
	6	2437	Not Required	12.50	
	9	2452	Not Required	12.50	
	10	2457	Not Required	12.50	
	11	2462	Not Required	12.50	



【2.4GHz WLAN_ Aux_Tablet】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	13.62	14.00	99.37
	6	2437	13.74	14.00	
	11	2462	13.83	14.00	
	12	2467	13.77	14.00	
	13	2472	13.24	14.00	
802.11g 6Mbps	1	2412	Not Required	14.00	Not Required
	6	2437	Not Required	14.00	
	11	2462	Not Required	14.00	
	12	2467	Not Required	14.00	
	13	2472	Not Required	14.00	
802.11n-HT20 MCS0	1	2412	Not Required	14.00	Not Required
	6	2437	Not Required	14.00	
	11	2462	Not Required	14.00	
	12	2467	Not Required	14.00	
	13	2472	Not Required	14.00	
802.11n-HT40 MCS0	3	2422	Not Required	14.00	Not Required
	6	2437	Not Required	14.00	
	9	2452	Not Required	14.00	
	10	2457	Not Required	14.00	
	11	2462	Not Required	14.00	
802.11ax-HE20 MCS0	1	2412	Not Required	14.00	Not Required
	6	2437	Not Required	14.00	
	11	2462	Not Required	14.00	
	12	2467	Not Required	14.00	
	13	2472	Not Required	14.00	
802.11ax-HE40 MCS0	3	2422	Not Required	14.00	Not Required
	6	2437	Not Required	14.00	
	9	2452	Not Required	14.00	
	10	2457	Not Required	14.00	
	11	2462	Not Required	14.00	
802.11be-EHT20 MCS0	1	2412	Not Required	14.00	Not Required
	6	2437	Not Required	14.00	
	11	2462	Not Required	14.00	
	12	2467	Not Required	14.00	
	13	2472	Not Required	14.00	
802.11be-EHT40 MCS0	3	2422	Not Required	14.00	Not Required
	6	2437	Not Required	14.00	
	9	2452	Not Required	14.00	
	10	2457	Not Required	14.00	
	11	2462	Not Required	14.00	



【2.4GHz WLAN_ MIMO_Laptop】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	1	2412	Not Required	13.00	Not Required	12.50	Not Required	15.80	Not Required
	6	2437	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	11	2462	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	12	2467	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	13	2472	Not Required	13.00	Not Required	12.50	Not Required	15.80	
802.11n-HT40 MCS0	3	2422	12.55	13.00	12.29	12.50	15.43	15.80	98.83
	6	2437	12.78	13.00	12.46	12.50	15.63	15.80	
	9	2452	12.70	13.00	12.26	12.50	15.50	15.80	
	10	2457	12.94	13.00	12.48	12.50	15.73	15.80	
	11	2462	12.52	13.00	12.26	12.50	15.40	15.80	
802.11ax-HE20 MCS0	1	2412	Not Required	13.00	Not Required	12.50	Not Required	15.80	Not Required
	6	2437	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	11	2462	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	12	2467	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	13	2472	Not Required	13.00	Not Required	12.50	Not Required	15.80	
802.11ax-HE40 MCS0	3	2422	Not Required	13.00	Not Required	12.50	Not Required	15.80	Not Required
	6	2437	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	9	2452	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	10	2457	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	11	2462	Not Required	13.00	Not Required	12.50	Not Required	15.80	
802.11be-EHT20 MCS0	1	2412	Not Required	13.00	Not Required	12.50	Not Required	15.80	Not Required
	6	2437	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	11	2462	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	12	2467	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	13	2472	Not Required	13.00	Not Required	12.50	Not Required	15.80	
802.11be-EHT40 MCS0	3	2422	Not Required	13.00	Not Required	12.50	Not Required	15.80	Not Required
	6	2437	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	9	2452	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	10	2457	Not Required	13.00	Not Required	12.50	Not Required	15.80	
	11	2462	Not Required	13.00	Not Required	12.50	Not Required	15.80	

**【2.4GHz WLAN_ MIMO_Tablet】**

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	1	2412	Not Required	16.00	Not Required	14.00	Not Required	18.10	Not Required
	6	2437	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	11	2462	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	12	2467	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	13	2472	Not Required	14.00	Not Required	14.00	Not Required	17.00	
802.11n-HT40 MCS0	3	2422	15.78	16.00	13.81	14.00	17.92	18.10	98.83
	6	2437	15.74	16.00	13.88	14.00	17.92	18.10	
	9	2452	15.75	16.00	13.80	14.00	17.89	18.10	
	10	2457	15.49	15.50	13.82	14.00	17.75	17.80	
	11	2462	14.80	15.00	13.75	14.00	17.32	17.50	
802.11ax-HE20 MCS0	1	2412	Not Required	16.00	Not Required	14.00	Not Required	18.10	Not Required
	6	2437	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	11	2462	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	12	2467	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	13	2472	Not Required	14.00	Not Required	14.00	Not Required	17.00	
802.11ax-HE40 MCS0	3	2422	Not Required	16.00	Not Required	14.00	Not Required	18.10	Not Required
	6	2437	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	9	2452	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	10	2457	Not Required	15.50	Not Required	14.00	Not Required	17.80	
802.11be-EHT20 MCS0	11	2462	Not Required	15.00	Not Required	14.00	Not Required	17.50	Not Required
	1	2412	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	6	2437	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	11	2462	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	12	2467	Not Required	16.00	Not Required	14.00	Not Required	18.10	
802.11be-EHT40 MCS0	13	2472	Not Required	14.00	Not Required	14.00	Not Required	17.00	Not Required
	3	2422	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	6	2437	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	9	2452	Not Required	16.00	Not Required	14.00	Not Required	18.10	
	10	2457	Not Required	15.50	Not Required	14.00	Not Required	17.80	
	11	2462	Not Required	15.00	Not Required	14.00	Not Required	17.50	

【5.2GHz WLAN_ Main_Laptop】

Mode	Channel	Frequency (MHz)	Main		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	Not Required	10.00	Not Required
	40	5200	Not Required	10.00	
	44	5220	Not Required	10.00	
	48	5240	Not Required	10.00	
802.11n-HT20 MCS0	36	5180	Not Required	10.00	Not Required
	40	5200	Not Required	10.00	
	44	5220	Not Required	10.00	
	48	5240	Not Required	10.00	
802.11n-HT40 MCS0	38	5190	Not Required	10.00	Not Required
802.11ac-VHT80 MCS0	46	5230	Not Required	10.00	Not Required
802.11ax-HE20 MCS0	42	5210	Not Required	10.00	Not Required
	36	5180	Not Required	10.00	
	40	5200	Not Required	10.00	
	44	5220	Not Required	10.00	
802.11ax-HE40 MCS0	48	5240	Not Required	10.00	Not Required
	38	5190	Not Required	10.00	
	46	5230	Not Required	10.00	
802.11ax-HE80 MCS0	42	5210	Not Required	10.00	Not Required
802.11be-EHT20 MCS0	42	5210	Not Required	10.00	Not Required
	36	5180	Not Required	10.00	
	40	5200	Not Required	10.00	
	44	5220	Not Required	10.00	
802.11be-EHT40 MCS0	48	5240	Not Required	10.00	Not Required
	38	5190	Not Required	10.00	
	46	5230	Not Required	10.00	
802.11be-EHT80 MCS0	42	5210	Not Required	10.00	Not Required

**【5.2GHz WLAN_ Main_Tablet】**

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	10.50	Not Required
	40	5200	Not Required	10.50	
	44	5220	Not Required	10.50	
	48	5240	Not Required	10.50	
802.11n-HT20 MCS0	36	5180	Not Required	10.50	Not Required
	40	5200	Not Required	10.50	
	44	5220	Not Required	10.50	
	48	5240	Not Required	10.50	
802.11n-HT40 MCS0	38	5190	Not Required	10.50	Not Required
802.11ac-VHT80 MCS0	46	5230	Not Required	10.50	Not Required
802.11ax-HE20 MCS0	42	5210	Not Required	10.50	Not Required
	36	5180	Not Required	10.50	
	40	5200	Not Required	10.50	
	44	5220	Not Required	10.50	
802.11ax-HE40 MCS0	48	5240	Not Required	10.50	Not Required
	38	5190	Not Required	10.50	
802.11ax-HE80 MCS0	46	5230	Not Required	10.50	Not Required
	42	5210	Not Required	10.50	
802.11be-EHT20 MCS0	36	5180	Not Required	10.50	Not Required
	40	5200	Not Required	10.50	
	44	5220	Not Required	10.50	
	48	5240	Not Required	10.50	
802.11be-EHT40 MCS0	38	5190	Not Required	10.50	Not Required
	46	5230	Not Required	10.50	
802.11be-EHT80 MCS0	42	5210	Not Required	10.50	Not Required

【5.2GHz WLAN_ Aux_Laptop】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	12.00	Not Required
	40	5200	Not Required	12.00	
	44	5220	Not Required	12.00	
	48	5240	Not Required	12.00	
802.11n-HT20 MCS0	36	5180	Not Required	12.00	Not Required
	40	5200	Not Required	12.00	
	44	5220	Not Required	12.00	
	48	5240	Not Required	12.00	
802.11n-HT40 MCS0	38	5190	Not Required	12.00	Not Required
802.11ac-VHT80 MCS0	46	5230	Not Required	12.00	Not Required
802.11ax-HE20 MCS0	42	5210	Not Required	12.00	Not Required
	36	5180	Not Required	12.00	
	40	5200	Not Required	12.00	
	44	5220	Not Required	12.00	
802.11ax-HE40 MCS0	48	5240	Not Required	12.00	Not Required
	38	5190	Not Required	12.00	
802.11ax-HE80 MCS0	46	5230	Not Required	12.00	Not Required
	42	5210	Not Required	12.00	
802.11be-EHT20 MCS0	36	5180	Not Required	12.00	Not Required
	40	5200	Not Required	12.00	
	44	5220	Not Required	12.00	
	48	5240	Not Required	12.00	
802.11be-EHT40 MCS0	38	5190	Not Required	12.00	Not Required
	46	5230	Not Required	12.00	
802.11be-EHT80 MCS0	42	5210	Not Required	12.00	Not Required

**【5.2GHz WLAN_ Aux_Tablet】**

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	9.50	Not Required
	40	5200	Not Required	9.50	
	44	5220	Not Required	9.50	
	48	5240	Not Required	9.50	
802.11n-HT20 MCS0	36	5180	Not Required	9.50	Not Required
	40	5200	Not Required	9.50	
	44	5220	Not Required	9.50	
	48	5240	Not Required	9.50	
802.11n-HT40 MCS0	38	5190	Not Required	9.50	Not Required
802.11ac-VHT80 MCS0	46	5230	Not Required	9.50	Not Required
802.11ax-HE20 MCS0	42	5210	Not Required	9.50	Not Required
	36	5180	Not Required	9.50	
	40	5200	Not Required	9.50	
	44	5220	Not Required	9.50	
802.11ax-HE40 MCS0	48	5240	Not Required	9.50	Not Required
	38	5190	Not Required	9.50	
802.11ax-HE80 MCS0	46	5230	Not Required	9.50	Not Required
	42	5210	Not Required	9.50	
802.11be-EHT20 MCS0	36	5180	Not Required	9.50	Not Required
	40	5200	Not Required	9.50	
	44	5220	Not Required	9.50	
	48	5240	Not Required	9.50	
802.11be-EHT40 MCS0	38	5190	Not Required	9.50	Not Required
	46	5230	Not Required	9.50	
802.11be-EHT80 MCS0	42	5210	Not Required	9.50	Not Required

【5.2GHz WLAN_ MIMO_Laptop】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11n-HT20 MCS0	36	5180	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	40	5200	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	44	5220	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	48	5240	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11n-HT40 MCS0	38	5190	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
802.11ac-VHT80 MCS0	46	5230	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	42	5210	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
802.11ax-HE20 MCS0	36	5180	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	40	5200	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	44	5220	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	48	5240	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11ax-HE40 MCS0	38	5190	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	46	5230	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11ax-HE80 MCS0	42	5210	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
802.11be-EHT20 MCS0	36	5180	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	40	5200	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	44	5220	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	48	5240	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11be-EHT40 MCS0	38	5190	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	46	5230	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11be-EHT80 MCS0	42	5210	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required

**【5.2GHz WLAN_ MIMO_Tablet】**

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11n-HT20 MCS0	36	5180	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	40	5200	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	44	5220	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	48	5240	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11n-HT40 MCS0	38	5190	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	46	5230	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11ac-VHT80 MCS0	42	5210	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
802.11ax-HE20 MCS0	36	5180	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	40	5200	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	44	5220	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	48	5240	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11ax-HE40 MCS0	38	5190	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	46	5230	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11ax-HE80 MCS0	42	5210	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
802.11be-EHT20 MCS0	36	5180	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	40	5200	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	44	5220	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	48	5240	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11be-EHT40 MCS0	38	5190	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	46	5230	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11be-EHT80 MCS0	42	5210	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required

【5.3GHz WLAN_ Main_Laptop】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	10.00	Not Required
	56	5280	Not Required	10.00	
	60	5300	Not Required	10.00	
	64	5320	Not Required	10.00	
802.11n-HT20 MCS0	52	5260	Not Required	10.00	Not Required
	56	5280	Not Required	10.00	
	60	5300	Not Required	10.00	
	64	5320	Not Required	10.00	
802.11n-HT40 MCS0	54	5270	Not Required	10.00	Not Required
	62	5310	Not Required	10.00	
802.11ac-VHT80 MCS0	58	5290	9.38	10.00	98.76
802.11ac-VHT160 MCS0	50	5250	9.35	10.00	98.88
802.11ax-HE20 MCS0	52	5260	Not Required	10.00	Not Required
	56	5280	Not Required	10.00	
	60	5300	Not Required	10.00	
	64	5320	Not Required	10.00	
802.11ax-HE40 MCS0	54	5270	Not Required	10.00	Not Required
	62	5310	Not Required	10.00	
802.11ax-HE80 MCS0	58	5290	Not Required	10.00	Not Required
802.11ax-HE160 MCS0	50	5250	Not Required	10.00	Not Required
802.11be-EHT20 MCS0	52	5260	Not Required	10.00	Not Required
	56	5280	Not Required	10.00	
	60	5300	Not Required	10.00	
	64	5320	Not Required	10.00	
802.11be-EHT40 MCS0	54	5270	Not Required	10.00	Not Required
	62	5310	Not Required	10.00	
802.11be-EHT80 MCS0	58	5290	Not Required	10.00	Not Required
802.11be-EHT160 MCS0	50	5250	Not Required	10.00	Not Required

**【5.3GHz WLAN_ Main_Tablet】**

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	10.50	Not Required
	56	5280	Not Required	10.50	
	60	5300	Not Required	10.50	
	64	5320	Not Required	10.50	
802.11n-HT20 MCS0	52	5260	Not Required	10.50	Not Required
	56	5280	Not Required	10.50	
	60	5300	Not Required	10.50	
	64	5320	Not Required	10.50	
802.11n-HT40 MCS0	54	5270	Not Required	10.50	Not Required
	62	5310	Not Required	10.50	
802.11ac-VHT80 MCS0	58	5290	10.35	10.50	98.76
802.11ac-VHT160 MCS0	50	5250	9.98	10.50	98.88
802.11ax-HE20 MCS0	52	5260	Not Required	10.50	Not Required
	56	5280	Not Required	10.50	
	60	5300	Not Required	10.50	
	64	5320	Not Required	10.50	
802.11ax-HE40 MCS0	54	5270	Not Required	10.50	Not Required
	62	5310	Not Required	10.50	
802.11ax-HE80 MCS0	58	5290	Not Required	10.50	Not Required
802.11ax-HE160 MCS0	50	5250	Not Required	10.50	Not Required
802.11be-EHT20 MCS0	52	5260	Not Required	10.50	Not Required
	56	5280	Not Required	10.50	
	60	5300	Not Required	10.50	
	64	5320	Not Required	10.50	
802.11be-EHT40 MCS0	54	5270	Not Required	10.50	Not Required
	62	5310	Not Required	10.50	
802.11be-EHT80 MCS0	58	5290	Not Required	10.50	Not Required
802.11be-EHT160 MCS0	50	5250	Not Required	10.50	Not Required

【5.3GHz WLAN_ Aux_Laptop】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	12.00	Not Required
	56	5280	Not Required	12.00	
	60	5300	Not Required	12.00	
	64	5320	Not Required	12.00	
802.11n-HT20 MCS0	52	5260	Not Required	12.00	Not Required
	56	5280	Not Required	12.00	
	60	5300	Not Required	12.00	
	64	5320	Not Required	12.00	
802.11n-HT40 MCS0	54	5270	Not Required	12.00	Not Required
	62	5310	Not Required	12.00	
802.11ac-VHT80 MCS0	58	5290	11.36	12.00	98.88
802.11ac-VHT160 MCS0	50	5250	11.32	12.00	98.88
802.11ax-HE20 MCS0	52	5260	Not Required	12.00	Not Required
	56	5280	Not Required	12.00	
	60	5300	Not Required	12.00	
	64	5320	Not Required	12.00	
802.11ax-HE40 MCS0	54	5270	Not Required	12.00	Not Required
	62	5310	Not Required	12.00	
802.11ax-HE80 MCS0	58	5290	Not Required	12.00	Not Required
802.11ax-HE160 MCS0	50	5250	Not Required	12.00	Not Required
802.11be-EHT20 MCS0	52	5260	Not Required	12.00	Not Required
	56	5280	Not Required	12.00	
	60	5300	Not Required	12.00	
	64	5320	Not Required	12.00	
802.11be-EHT40 MCS0	54	5270	Not Required	12.00	Not Required
	62	5310	Not Required	12.00	
802.11be-EHT80 MCS0	58	5290	Not Required	12.00	Not Required
802.11be-EHT160 MCS0	50	5250	Not Required	12.00	Not Required



【5.3GHz WLAN_ Aux_Tablet】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	9.50	Not Required
	56	5280	Not Required	9.50	
	60	5300	Not Required	9.50	
	64	5320	Not Required	9.50	
802.11n-HT20 MCS0	52	5260	Not Required	9.50	Not Required
	56	5280	Not Required	9.50	
	60	5300	Not Required	9.50	
	64	5320	Not Required	9.50	
802.11n-HT40 MCS0	54	5270	Not Required	9.50	Not Required
	62	5310	Not Required	9.50	
802.11ac-VHT80 MCS0	58	5290	9.46	9.50	98.88
802.11ac-VHT160 MCS0	50	5250	9.48	9.50	98.88
802.11ax-HE20 MCS0	52	5260	Not Required	9.50	Not Required
	56	5280	Not Required	9.50	
	60	5300	Not Required	9.50	
	64	5320	Not Required	9.50	
802.11ax-HE40 MCS0	54	5270	Not Required	9.50	Not Required
	62	5310	Not Required	9.50	
802.11ax-HE80 MCS0	58	5290	Not Required	9.50	Not Required
802.11ax-HE160 MCS0	50	5250	Not Required	9.50	Not Required
802.11be-EHT20 MCS0	52	5260	Not Required	9.50	Not Required
	56	5280	Not Required	9.50	
	60	5300	Not Required	9.50	
	64	5320	Not Required	9.50	
802.11be-EHT40 MCS0	54	5270	Not Required	9.50	Not Required
	62	5310	Not Required	9.50	
802.11be-EHT80 MCS0	58	5290	Not Required	9.50	Not Required
802.11be-EHT160 MCS0	50	5250	Not Required	9.50	Not Required

【5.3GHz WLAN_ MIMO_Laptop】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	52	5260	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	56	5280	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	60	5300	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	64	5320	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11n-HT40 MCS0	54	5270	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	62	5310	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11ac-VHT80 MCS0	58	5290	9.85	10.00	11.81	12.00	13.95	14.10	98.88
802.11ac-VHT160 MCS0	50	5250	9.88	10.00	11.78	12.00	13.94	14.10	98.88
802.11ax-HE20 MCS0	52	5260	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	56	5280	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	60	5300	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	64	5320	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11ax-HE40 MCS0	54	5270	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	62	5310	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11ax-HE80 MCS0	58	5290	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
802.11ax-HE160 MCS0	50	5250	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
802.11be-EHT20 MCS0	52	5260	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	56	5280	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	60	5300	Not Required	10.00	Not Required	12.00	Not Required	14.10	
	64	5320	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11be-EHT40 MCS0	54	5270	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
	62	5310	Not Required	10.00	Not Required	12.00	Not Required	14.10	
802.11be-EHT80 MCS0	58	5290	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required
802.11be-EHT160 MCS0	50	5250	Not Required	10.00	Not Required	12.00	Not Required	14.10	Not Required



【5.3GHz WLAN_ MIMO_Tablet】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	52	5260	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	56	5280	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	60	5300	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	64	5320	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11n-HT40 MCS0	54	5270	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	62	5310	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11ac-VHT80 MCS0	58	5290	10.36	10.50	9.14	9.50	12.80	13.00	98.88
802.11ac-VHT160 MCS0	50	5250	10.16	10.50	9.25	9.50	12.74	13.00	98.88
802.11ax-HE20 MCS0	52	5260	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	56	5280	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	60	5300	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	64	5320	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11ax-HE40 MCS0	54	5270	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	62	5310	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11ax-HE80 MCS0	58	5290	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
802.11ax-HE160 MCS0	50	5250	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
802.11be-EHT20 MCS0	52	5260	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	56	5280	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	60	5300	Not Required	10.50	Not Required	9.50	Not Required	13.00	
	64	5320	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11be-EHT40 MCS0	54	5270	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
	62	5310	Not Required	10.50	Not Required	9.50	Not Required	13.00	
802.11be-EHT80 MCS0	58	5290	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required
802.11be-EHT160 MCS0	50	5250	Not Required	10.50	Not Required	9.50	Not Required	13.00	Not Required



【5.5GHz WLAN_ Main_Laptop】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	9.50	Not Required
	116	5580	Not Required	9.50	
	124	5620	Not Required	9.50	
	132	5660	Not Required	9.50	
	144	5720	Not Required	9.50	
802.11n-HT20 MCS0	100	5500	Not Required	9.50	Not Required
	116	5580	Not Required	9.50	
	124	5620	Not Required	9.50	
	132	5660	Not Required	9.50	
	144	5720	Not Required	9.50	
802.11n-HT40 MCS0	102	5510	Not Required	9.50	Not Required
	110	5550	Not Required	9.50	
	126	5630	Not Required	9.50	
	134	5670	Not Required	9.50	
	142	5710	Not Required	9.50	
802.11ac-VHT80 MCS0	106	5530	8.22	9.50	98.76
	122	5610	8.03	9.50	
	138	5690	8.32	9.50	
802.11ac-VHT160 MCS0	114	5570	8.91	9.50	98.88
802.11ax-HE20 MCS0	100	5500	Not Required	9.50	Not Required
	116	5580	Not Required	9.50	
	124	5620	Not Required	9.50	
	132	5660	Not Required	9.50	
	144	5720	Not Required	9.50	
802.11ax-HE40 MCS0	102	5510	Not Required	9.50	Not Required
	110	5550	Not Required	9.50	
	126	5630	Not Required	9.50	
	134	5670	Not Required	9.50	
	142	5710	Not Required	9.50	
802.11ax-HE80 MCS0	106	5530	Not Required	9.50	Not Required
	122	5610	Not Required	9.50	
	138	5690	Not Required	9.50	
802.11ax-HE160 MCS0	114	5570	Not Required	9.50	Not Required
802.11be-EHT20 MCS0	100	5500	Not Required	9.50	Not Required
	116	5580	Not Required	9.50	
	124	5620	Not Required	9.50	
	132	5660	Not Required	9.50	
	144	5720	Not Required	9.50	
802.11be-EHT40 MCS0	102	5510	Not Required	9.50	Not Required
	110	5550	Not Required	9.50	
	126	5630	Not Required	9.50	
	134	5670	Not Required	9.50	
	142	5710	Not Required	9.50	
802.11be-EHT80 MCS0	106	5530	Not Required	9.50	Not Required
	122	5610	Not Required	9.50	
	138	5690	Not Required	9.50	
802.11be-EHT160 MCS0	114	5570	Not Required	9.50	Not Required



【5.5GHz WLAN_ Main_Tablet】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	10.00	Not Required
	116	5580	Not Required	10.00	
	124	5620	Not Required	10.00	
	132	5660	Not Required	10.00	
	144	5720	Not Required	10.00	
802.11n-HT20 MCS0	100	5500	Not Required	10.00	Not Required
	116	5580	Not Required	10.00	
	124	5620	Not Required	10.00	
	132	5660	Not Required	10.00	
	144	5720	Not Required	10.00	
802.11n-HT40 MCS0	102	5510	Not Required	10.00	Not Required
	110	5550	Not Required	10.00	
	126	5630	Not Required	10.00	
	134	5670	Not Required	10.00	
	142	5710	Not Required	10.00	
802.11ac-VHT80 MCS0	106	5530	9.22	10.00	98.76
	122	5610	9.24	10.00	
	138	5690	9.31	10.00	
802.11ac-VHT160 MCS0	114	5570	9.90	10.00	98.88
802.11ax-HE20 MCS0	100	5500	Not Required	10.00	Not Required
	116	5580	Not Required	10.00	
	124	5620	Not Required	10.00	
	132	5660	Not Required	10.00	
	144	5720	Not Required	10.00	
802.11ax-HE40 MCS0	102	5510	Not Required	10.00	Not Required
	110	5550	Not Required	10.00	
	126	5630	Not Required	10.00	
	134	5670	Not Required	10.00	
	142	5710	Not Required	10.00	
802.11ax-HE80 MCS0	106	5530	Not Required	10.00	Not Required
	122	5610	Not Required	10.00	
	138	5690	Not Required	10.00	
802.11ax-HE160 MCS0	114	5570	Not Required	10.00	Not Required
802.11be-EHT20 MCS0	100	5500	Not Required	10.00	Not Required
	116	5580	Not Required	10.00	
	124	5620	Not Required	10.00	
	132	5660	Not Required	10.00	
	144	5720	Not Required	10.00	
802.11be-EHT40 MCS0	102	5510	Not Required	10.00	Not Required
	110	5550	Not Required	10.00	
	126	5630	Not Required	10.00	
	134	5670	Not Required	10.00	
	142	5710	Not Required	10.00	
802.11be-EHT80 MCS0	106	5530	Not Required	10.00	Not Required
	122	5610	Not Required	10.00	
	138	5690	Not Required	10.00	
802.11be-EHT160 MCS0	114	5570	Not Required	10.00	Not Required



【5.5GHz WLAN_ Aux_Laptop】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	12.00	Not Required
	116	5580	Not Required	12.00	
	124	5620	Not Required	12.00	
	132	5660	Not Required	12.00	
	144	5720	Not Required	12.00	
802.11n-HT20 MCS0	100	5500	Not Required	12.00	Not Required
	116	5580	Not Required	12.00	
	124	5620	Not Required	12.00	
	132	5660	Not Required	12.00	
	144	5720	Not Required	12.00	
802.11n-HT40 MCS0	102	5510	Not Required	12.00	Not Required
	110	5550	Not Required	12.00	
	126	5630	Not Required	12.00	
	134	5670	Not Required	12.00	
	142	5710	Not Required	12.00	
802.11ac-VHT80 MCS0	106	5530	11.91	12.00	98.88
	122	5610	11.77	12.00	
	138	5690	11.74	12.00	
802.11ac-VHT160 MCS0	114	5570	11.88	12.00	98.88
802.11ax-HE20 MCS0	100	5500	Not Required	12.00	Not Required
	116	5580	Not Required	12.00	
	124	5620	Not Required	12.00	
	132	5660	Not Required	12.00	
	144	5720	Not Required	12.00	
802.11ax-HE40 MCS0	102	5510	Not Required	12.00	Not Required
	110	5550	Not Required	12.00	
	126	5630	Not Required	12.00	
	134	5670	Not Required	12.00	
	142	5710	Not Required	12.00	
802.11ax-HE80 MCS0	106	5530	Not Required	12.00	Not Required
	122	5610	Not Required	12.00	
	138	5690	Not Required	12.00	
802.11ax-HE160 MCS0	114	5570	Not Required	12.00	Not Required
802.11be-EHT20 MCS0	100	5500	Not Required	12.00	Not Required
	116	5580	Not Required	12.00	
	124	5620	Not Required	12.00	
	132	5660	Not Required	12.00	
	144	5720	Not Required	12.00	
802.11be-EHT40 MCS0	102	5510	Not Required	12.00	Not Required
	110	5550	Not Required	12.00	
	126	5630	Not Required	12.00	
	134	5670	Not Required	12.00	
	142	5710	Not Required	12.00	
802.11be-EHT80 MCS0	106	5530	Not Required	12.00	Not Required
	122	5610	Not Required	12.00	
	138	5690	Not Required	12.00	
802.11be-EHT160 MCS0	114	5570	Not Required	12.00	Not Required



【5.5GHz WLAN_ Aux_Tablet】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	10.50	Not Required
	116	5580	Not Required	10.50	
	124	5620	Not Required	10.50	
	132	5660	Not Required	10.50	
	144	5720	Not Required	10.50	
802.11n-HT20 MCS0	100	5500	Not Required	10.50	Not Required
	116	5580	Not Required	10.50	
	124	5620	Not Required	10.50	
	132	5660	Not Required	10.50	
	144	5720	Not Required	10.50	
802.11n-HT40 MCS0	102	5510	Not Required	10.50	Not Required
	110	5550	Not Required	10.50	
	126	5630	Not Required	10.50	
	134	5670	Not Required	10.50	
	142	5710	Not Required	10.50	
802.11ac-VHT80 MCS0	106	5530	10.41	10.50	98.88
	122	5610	10.27	10.50	
	138	5690	10.24	10.50	
802.11ac-VHT160 MCS0	114	5570	10.38	10.50	98.88
802.11ax-HE20 MCS0	100	5500	Not Required	10.50	Not Required
	116	5580	Not Required	10.50	
	124	5620	Not Required	10.50	
	132	5660	Not Required	10.50	
	144	5720	Not Required	10.50	
802.11ax-HE40 MCS0	102	5510	Not Required	10.50	Not Required
	110	5550	Not Required	10.50	
	126	5630	Not Required	10.50	
	134	5670	Not Required	10.50	
	142	5710	Not Required	10.50	
802.11ax-HE80 MCS0	106	5530	Not Required	10.50	Not Required
	122	5610	Not Required	10.50	
	138	5690	Not Required	10.50	
802.11ax-HE160 MCS0	114	5570	Not Required	10.50	Not Required
802.11be-EHT20 MCS0	100	5500	Not Required	10.50	Not Required
	116	5580	Not Required	10.50	
	124	5620	Not Required	10.50	
	132	5660	Not Required	10.50	
	144	5720	Not Required	10.50	
802.11be-EHT40 MCS0	102	5510	Not Required	10.50	Not Required
	110	5550	Not Required	10.50	
	126	5630	Not Required	10.50	
	134	5670	Not Required	10.50	
	142	5710	Not Required	10.50	
802.11be-EHT80 MCS0	106	5530	Not Required	10.50	Not Required
	122	5610	Not Required	10.50	
	138	5690	Not Required	10.50	
802.11be-EHT160 MCS0	114	5570	Not Required	10.50	Not Required



【5.5GHz WLAN_ MIMO_Laptop】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	100	5500	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	116	5580	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	124	5620	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	132	5660	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	144	5720	Not Required	9.50	Not Required	12.00	Not Required	13.90	
802.11n-HT40 MCS0	102	5510	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	110	5550	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	126	5630	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	134	5670	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	142	5710	Not Required	9.50	Not Required	12.00	Not Required	13.90	
802.11ac-VHT80 MCS0	106	5530	9.26	9.50	11.65	12.00	13.63	13.90	98.68
	122	5610	9.30	9.50	11.51	12.00	13.55	13.90	
	138	5690	9.34	9.50	11.54	12.00	13.59	13.90	
802.11ac-VHT160 MCS0	114	5570	9.21	9.50	11.87	12.00	13.75	13.90	98.31
802.11ax-HE20 MCS0	100	5500	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	116	5580	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	124	5620	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	132	5660	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	144	5720	Not Required	9.50	Not Required	12.00	Not Required	13.90	
802.11ax-HE40 MCS0	102	5510	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	110	5550	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	126	5630	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	134	5670	Not Required	9.50	Not Required	12.00	Not Required	13.90	
802.11ax-HE80 MCS0	106	5530	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	122	5610	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	138	5690	Not Required	9.50	Not Required	12.00	Not Required	13.90	
802.11ax-HE160 MCS0	114	5570	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
802.11be-EHT20 MCS0	100	5500	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	116	5580	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	124	5620	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	132	5660	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	144	5720	Not Required	9.50	Not Required	12.00	Not Required	13.90	
802.11be-EHT40 MCS0	102	5510	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	110	5550	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	126	5630	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	134	5670	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	142	5710	Not Required	9.50	Not Required	12.00	Not Required	13.90	
802.11be-EHT80 MCS0	106	5530	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	122	5610	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	138	5690	Not Required	9.50	Not Required	12.00	Not Required	13.90	
802.11be-EHT160 MCS0	114	5570	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required



【5.5GHz WLAN_ MIMO_Tablet】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	100	5500	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required
	116	5580	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	124	5620	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	132	5660	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	144	5720	Not Required	10.00	Not Required	10.50	Not Required	13.30	
802.11n-HT40 MCS0	102	5510	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required
	110	5550	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	126	5630	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	134	5670	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	142	5710	Not Required	10.00	Not Required	10.50	Not Required	13.30	
802.11ac-VHT80 MCS0	106	5530	9.92	10.00	10.11	10.50	13.03	13.30	98.68
	122	5610	9.64	10.00	10.27	10.50	12.98	13.30	
	138	5690	9.47	10.00	10.21	10.50	12.87	13.30	
802.11ac-VHT160 MCS0	114	5570	9.93	10.00	10.11	10.50	13.03	13.30	98.31
802.11ax-HE20 MCS0	100	5500	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required
	116	5580	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	124	5620	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	132	5660	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	144	5720	Not Required	10.00	Not Required	10.50	Not Required	13.30	
802.11ax-HE40 MCS0	102	5510	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required
	110	5550	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	126	5630	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	134	5670	Not Required	10.00	Not Required	10.50	Not Required	13.30	
802.11ax-HE80 MCS0	106	5530	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required
	122	5610	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	138	5690	Not Required	10.00	Not Required	10.50	Not Required	13.30	
802.11ax-HE160 MCS0	114	5570	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required
802.11be-EHT20 MCS0	100	5500	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required
	116	5580	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	124	5620	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	132	5660	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	144	5720	Not Required	10.00	Not Required	10.50	Not Required	13.30	
802.11be-EHT40 MCS0	102	5510	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required
	110	5550	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	126	5630	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	134	5670	Not Required	10.00	Not Required	10.50	Not Required	13.30	
802.11be-EHT80 MCS0	106	5530	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required
	122	5610	Not Required	10.00	Not Required	10.50	Not Required	13.30	
	138	5690	Not Required	10.00	Not Required	10.50	Not Required	13.30	
802.11be-EHT160 MCS0	114	5570	Not Required	10.00	Not Required	10.50	Not Required	13.30	Not Required

**【5.8GHz WLAN_ Main_Laptop】**

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	11.00	Not Required
	157	5785	Not Required	11.00	
	165	5825	Not Required	11.00	
802.11n-HT20 MCS0	149	5745	Not Required	11.00	Not Required
	157	5785	Not Required	11.00	
	165	5825	Not Required	11.00	
802.11n-HT40 MCS0	151	5755	9.87	11.00	98.76
	159	5795	9.55	11.00	
802.11ac-VHT80 MCS0	155	5775	10.02	11.00	98.76
802.11ax-HE20 MCS0	149	5745	Not Required	11.00	Not Required
	157	5785	Not Required	11.00	
	165	5825	Not Required	11.00	
802.11ax-HE40 MCS0	151	5755	Not Required	11.00	Not Required
	159	5795	Not Required	11.00	
802.11ax-HE80 MCS0	155	5775	Not Required	11.00	Not Required
802.11be-EHT20 MCS0	149	5745	Not Required	11.00	Not Required
	157	5785	Not Required	11.00	
	165	5825	Not Required	11.00	
802.11be-EHT40 MCS0	151	5755	Not Required	11.00	Not Required
	159	5795	Not Required	11.00	
802.11be-EHT80 MCS0	155	5775	Not Required	11.00	Not Required

【5.8GHz WLAN_ Main_Tablet】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	10.50	Not Required
	157	5785	Not Required	10.50	
	165	5825	Not Required	10.50	
802.11n-HT20 MCS0	149	5745	Not Required	10.50	Not Required
	157	5785	Not Required	10.50	
	165	5825	Not Required	10.50	
802.11n-HT40 MCS0	151	5755	9.87	10.50	98.76
	159	5795	9.55	10.50	
802.11ac-VHT80 MCS0	155	5775	10.02	10.50	98.76
802.11ax-HE20 MCS0	149	5745	Not Required	10.50	Not Required
	157	5785	Not Required	10.50	
	165	5825	Not Required	10.50	
802.11ax-HE40 MCS0	151	5755	Not Required	10.50	Not Required
	159	5795	Not Required	10.50	
802.11ax-HE80 MCS0	155	5775	Not Required	10.50	Not Required
802.11be-EHT20 MCS0	149	5745	Not Required	10.50	Not Required
	157	5785	Not Required	10.50	
	165	5825	Not Required	10.50	
802.11be-EHT40 MCS0	151	5755	Not Required	10.50	Not Required
	159	5795	Not Required	10.50	
802.11be-EHT80 MCS0	155	5775	Not Required	10.50	Not Required

**【5.8GHz WLAN_ Aux_Laptop】**

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	12.50	Not Required
	157	5785	Not Required	12.50	
	165	5825	Not Required	12.50	
802.11n-HT20 MCS0	149	5745	Not Required	12.50	Not Required
	157	5785	Not Required	12.50	
	165	5825	Not Required	12.50	
802.11n-HT40 MCS0	151	5755	11.53	12.50	98.76
	159	5795	11.22	12.50	
802.11ac-VHT80 MCS0	155	5775	11.62	12.50	98.88
802.11ax-HE20 MCS0	149	5745	Not Required	12.50	Not Required
	157	5785	Not Required	12.50	
	165	5825	Not Required	12.50	
802.11ax-HE40 MCS0	151	5755	Not Required	12.50	Not Required
	159	5795	Not Required	12.50	
802.11ax-HE80 MCS0	155	5775	Not Required	12.50	Not Required
802.11be-EHT20 MCS0	149	5745	Not Required	12.50	Not Required
	157	5785	Not Required	12.50	
	165	5825	Not Required	12.50	
802.11be-EHT40 MCS0	151	5755	Not Required	12.50	Not Required
	159	5795	Not Required	12.50	
802.11be-EHT80 MCS0	155	5775	Not Required	12.50	Not Required

【5.8GHz WLAN_ Aux_Tablet】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	10.50	Not Required
	157	5785	Not Required	10.50	
	165	5825	Not Required	10.50	
802.11n-HT20 MCS0	149	5745	Not Required	10.50	Not Required
	157	5785	Not Required	10.50	
	165	5825	Not Required	10.50	
802.11n-HT40 MCS0	151	5755	10.43	10.50	98.76
	159	5795	10.36	10.50	
802.11ac-VHT80 MCS0	155	5775	10.44	10.50	98.88
802.11ax-HE20 MCS0	149	5745	Not Required	10.50	Not Required
	157	5785	Not Required	10.50	
	165	5825	Not Required	10.50	
802.11ax-HE40 MCS0	151	5755	Not Required	10.50	Not Required
	159	5795	Not Required	10.50	
802.11ax-HE80 MCS0	155	5775	Not Required	10.50	Not Required
802.11be-EHT20 MCS0	149	5745	Not Required	10.50	Not Required
	157	5785	Not Required	10.50	
	165	5825	Not Required	10.50	
802.11be-EHT40 MCS0	151	5755	Not Required	10.50	Not Required
	159	5795	Not Required	10.50	
802.11be-EHT80 MCS0	155	5775	Not Required	10.50	Not Required



【5.8GHz WLAN_ MIMO_Laptop】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	149	5745	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	157	5785	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	165	5825	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11n-HT40 MCS0	151	5755	10.98	11.00	12.02	12.50	14.54	14.80	98.76
	159	5795	10.89	11.00	11.98	12.50	14.48	14.80	
	155	5775	10.72	11.00	12.01	12.50	14.42	14.80	
802.11ac-VHT80 MCS0	149	5745	Not Required	11.00	Not Required	12.50	Not Required	14.80	98.68
	157	5785	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	165	5825	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11ax-HE20 MCS0	151	5755	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	159	5795	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	155	5775	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11ax-HE40 MCS0	149	5745	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	157	5785	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	165	5825	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11ax-HE80 MCS0	151	5755	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	159	5795	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	155	5775	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11be-EHT20 MCS0	149	5745	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	157	5785	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	165	5825	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11be-EHT40 MCS0	151	5755	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	159	5795	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	155	5775	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11be-EHT80 MCS0	155	5775	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required

【5.8GHz WLAN_ MIMO_Tablet】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	149	5745	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	157	5785	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	165	5825	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11n-HT40 MCS0	151	5755	10.19	10.50	10.35	10.50	13.28	13.50	98.76
	159	5795	10.10	10.50	10.42	10.50	13.27	13.50	
	155	5775	10.22	10.50	10.34	10.50	13.29	13.50	
802.11ac-VHT80 MCS0	149	5745	Not Required	10.50	Not Required	10.50	Not Required	13.50	98.68
	157	5785	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	165	5825	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11ax-HE20 MCS0	151	5755	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	159	5795	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	155	5775	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11ax-HE40 MCS0	149	5745	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	157	5785	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	165	5825	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11ax-HE80 MCS0	151	5755	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	159	5795	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	155	5775	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11be-EHT20 MCS0	149	5745	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	157	5785	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	165	5825	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11be-EHT40 MCS0	151	5755	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	159	5795	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	155	5775	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11be-EHT80 MCS0	155	5775	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required

**【5.9GHz WLAN UNII 4_ Main_Laptop】**

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	169	5845	Not Required	11.00	Not Required
	173	5865	Not Required	11.00	
	177	5885	Not Required	11.00	
802.11n-HT20 MCS0	169	5845	Not Required	11.00	Not Required
	173	5865	Not Required	11.00	
	177	5885	Not Required	11.00	
802.11n-HT40 MCS0	167	5835	Not Required	11.00	Not Required
	175	5875	Not Required	11.00	
802.11ac-VHT80 MCS0	171	5855	10.86	11.00	98.76
802.11ac-VHT160 MCS0	163	5815	10.80	11.00	98.88
802.11ax-HE20 MCS0	169	5845	Not Required	11.00	Not Required
	173	5865	Not Required	11.00	
	177	5885	Not Required	11.00	
802.11ax-HE40 MCS0	167	5835	Not Required	11.00	Not Required
	175	5875	Not Required	11.00	
802.11ax-HE80 MCS0	171	5855	Not Required	11.00	Not Required
802.11ax-HE160 MCS0	163	5815	Not Required	11.00	Not Required
802.11be-EHT20 MCS0	169	5845	Not Required	11.00	Not Required
	173	5865	Not Required	11.00	
	177	5885	Not Required	11.00	
802.11be-EHT40 MCS0	167	5835	Not Required	11.00	Not Required
	175	5875	Not Required	11.00	
802.11be-EHT80 MCS0	171	5855	Not Required	11.00	Not Required
802.11be-EHT160 MCS0	163	5815	Not Required	11.00	Not Required

【5.9GHz WLAN UNII 4_ Main_Tablet】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	169	5845	Not Required	10.50	Not Required
	173	5865	Not Required	10.50	
	177	5885	Not Required	10.50	
802.11n-HT20 MCS0	169	5845	Not Required	10.50	Not Required
	173	5865	Not Required	10.50	
	177	5885	Not Required	10.50	
802.11n-HT40 MCS0	167	5835	Not Required	10.50	Not Required
	175	5875	Not Required	10.50	
802.11ac-VHT80 MCS0	171	5855	10.25	10.50	98.76
802.11ac-VHT160 MCS0	163	5815	10.16	10.50	98.88
802.11ax-HE20 MCS0	169	5845	Not Required	10.50	Not Required
	173	5865	Not Required	10.50	
	177	5885	Not Required	10.50	
802.11ax-HE40 MCS0	167	5835	Not Required	10.50	Not Required
	175	5875	Not Required	10.50	
802.11ax-HE80 MCS0	171	5855	Not Required	10.50	Not Required
802.11ax-HE160 MCS0	163	5815	Not Required	10.50	Not Required
802.11be-EHT20 MCS0	169	5845	Not Required	10.50	Not Required
	173	5865	Not Required	10.50	
	177	5885	Not Required	10.50	
802.11be-EHT40 MCS0	167	5835	Not Required	10.50	Not Required
	175	5875	Not Required	10.50	
802.11be-EHT80 MCS0	171	5855	Not Required	10.50	Not Required
802.11be-EHT160 MCS0	163	5815	Not Required	10.50	Not Required

**【5.9GHz WLAN UNII 4_ Aux_Laptop】**

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	169	5845	Not Required	12.50	Not Required
	173	5865	Not Required	12.50	
	177	5885	Not Required	12.50	
802.11n-HT20 MCS0	169	5845	Not Required	12.50	Not Required
	173	5865	Not Required	12.50	
	177	5885	Not Required	12.50	
802.11n-HT40 MCS0	167	5835	Not Required	12.50	Not Required
	175	5875	Not Required	12.50	
802.11ac-VHT80 MCS0	171	5855	11.80	12.50	98.88
802.11ac-VHT160 MCS0	163	5815	11.73	12.50	98.88
802.11ax-HE20 MCS0	169	5845	Not Required	12.50	Not Required
	173	5865	Not Required	12.50	
	177	5885	Not Required	12.50	
802.11ax-HE40 MCS0	167	5835	Not Required	12.50	Not Required
	175	5875	Not Required	12.50	
802.11ax-HE80 MCS0	171	5855	Not Required	12.50	Not Required
802.11ax-HE160 MCS0	163	5815	Not Required	12.50	Not Required
802.11be-EHT20 MCS0	169	5845	Not Required	12.50	Not Required
	173	5865	Not Required	12.50	
	177	5885	Not Required	12.50	
802.11be-EHT40 MCS0	167	5835	Not Required	12.50	Not Required
	175	5875	Not Required	12.50	
802.11be-EHT80 MCS0	171	5855	Not Required	12.50	Not Required
802.11be-EHT160 MCS0	163	5815	Not Required	12.50	Not Required

【5.9GHz WLAN UNII 4_ Aux_Tablet】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	169	5845	Not Required	10.50	Not Required
	173	5865	Not Required	10.50	
	177	5885	Not Required	10.50	
802.11n-HT20 MCS0	169	5845	Not Required	10.50	Not Required
	173	5865	Not Required	10.50	
	177	5885	Not Required	10.50	
802.11n-HT40 MCS0	167	5835	Not Required	10.50	Not Required
	175	5875	Not Required	10.50	
802.11ac-VHT80 MCS0	171	5855	10.44	10.50	98.88
802.11ac-VHT160 MCS0	163	5815	10.34	10.50	98.88
802.11ax-HE20 MCS0	169	5845	Not Required	10.50	Not Required
	173	5865	Not Required	10.50	
	177	5885	Not Required	10.50	
802.11ax-HE40 MCS0	167	5835	Not Required	10.50	Not Required
	175	5875	Not Required	10.50	
802.11ax-HE80 MCS0	171	5855	Not Required	10.50	Not Required
802.11ax-HE160 MCS0	163	5815	Not Required	10.50	Not Required
802.11be-EHT20 MCS0	169	5845	Not Required	10.50	Not Required
	173	5865	Not Required	10.50	
	177	5885	Not Required	10.50	
802.11be-EHT40 MCS0	167	5835	Not Required	10.50	Not Required
	175	5875	Not Required	10.50	
802.11be-EHT80 MCS0	171	5855	Not Required	10.50	Not Required
802.11be-EHT160 MCS0	163	5815	Not Required	10.50	Not Required

**[5.9GHz WLAN UNII 4_ MIMO_Laptop]**

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	169	5845	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	173	5865	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	177	5885	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11n-HT40 MCS0	167	5835	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	175	5875	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11ac-VHT80 MCS0	171	5855	10.95	11.00	12.48	12.50	14.79	14.80	98.68
802.11ac-VHT160 MCS0	163	5815	10.85	11.00	12.36	12.50	14.68	14.80	98.31
802.11ax-HE20 MCS0	169	5845	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	173	5865	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	177	5885	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11ax-HE40 MCS0	167	5835	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	175	5875	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11ax-HE80 MCS0	171	5855	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
802.11ax-HE160 MCS0	163	5815	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
802.11be-EHT20 MCS0	169	5845	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	173	5865	Not Required	11.00	Not Required	12.50	Not Required	14.80	
	177	5885	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11be-EHT40 MCS0	167	5835	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
	175	5875	Not Required	11.00	Not Required	12.50	Not Required	14.80	
802.11be-EHT80 MCS0	171	5855	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required
802.11be-EHT160 MCS0	163	5815	Not Required	11.00	Not Required	12.50	Not Required	14.80	Not Required

[5.9GHz WLAN UNII 4_ MIMO_Tablet]

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11n-HT20 MCS0	169	5845	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	173	5865	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	177	5885	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11n-HT40 MCS0	167	5835	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	175	5875	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11ac-VHT80 MCS0	171	5855	10.29	10.50	10.10	10.50	13.21	13.50	98.68
802.11ac-VHT160 MCS0	163	5815	10.32	10.50	10.28	10.50	13.31	13.50	98.31
802.11ax-HE20 MCS0	169	5845	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	173	5865	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	177	5885	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11ax-HE40 MCS0	167	5835	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	175	5875	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11ax-HE80 MCS0	171	5855	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
802.11ax-HE160 MCS0	163	5815	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
802.11be-EHT20 MCS0	169	5845	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	173	5865	Not Required	10.50	Not Required	10.50	Not Required	13.50	
	177	5885	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11be-EHT40 MCS0	167	5835	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	175	5875	Not Required	10.50	Not Required	10.50	Not Required	13.50	
802.11be-EHT80 MCS0	171	5855	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
802.11be-EHT160 MCS0	163	5815	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required



【6GHz WLAN_SP_ Main_Laptop】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	9.50	Not Required
	57	6235	Not Required	9.50	
	173	6815	Not Required	10.00	
802.11ax-HE40 MCS0	3	5965	Not Required	9.50	Not Required
	59	6245	Not Required	9.50	
	171	6805	Not Required	10.00	
802.11ax-HE80 MCS0	7	5985	Not Required	9.50	Not Required
	71	6305	Not Required	9.50	
	167	6785	Not Required	10.00	
802.11ax-HE160 MCS0	15	6025	Not Required	9.50	Not Required
	47	6185	Not Required	9.50	
	143	6665	Not Required	10.00	
802.11be-EHT20 MCS0	1	5955	Not Required	9.50	Not Required
	57	6235	Not Required	9.50	
	173	6815	Not Required	10.00	
802.11be-EHT40 MCS0	3	5965	Not Required	9.50	Not Required
	59	6245	Not Required	9.50	
	171	6805	Not Required	10.00	
802.11be-EHT80 MCS0	7	5985	Not Required	9.50	Not Required
	71	6305	Not Required	9.50	
	167	6785	Not Required	10.00	
802.11be-EHT160 MCS0	15	6025	Not Required	9.50	Not Required
	47	6185	Not Required	9.50	
	143	6665	Not Required	10.00	
802.11be-EHT320 MCS0	31	6105	8.35	9.50	99.21
	63	6265	8.30	9.50	



【6GHz WLAN_LPI_ Main_Laptop】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	5.50	Not Required
	57	6235	Not Required	5.50	
	113	6515	Not Required	6.00	
	173	6815	Not Required	5.50	
	233	7115	Not Required	-0.50	
802.11ax-HE40 MCS0	3	5965	Not Required	8.50	Not Required
	59	6245	Not Required	8.50	
	107	6485	Not Required	9.00	
	171	6805	Not Required	9.00	
	227	7085	Not Required	9.00	
802.11ax-HE80 MCS0	7	5985	Not Required	9.50	Not Required
	71	6305	Not Required	9.50	
	119	6545	Not Required	9.50	
	167	6785	Not Required	10.00	
	215	7025	Not Required	11.50	
802.11ax-HE160 MCS0	15	6025	Not Required	9.50	Not Required
	47	6185	Not Required	9.50	
	111	6505	Not Required	9.50	
	143	6665	Not Required	10.00	
	207	6985	Not Required	11.50	
802.11be-EHT20 MCS0	1	5955	Not Required	5.50	Not Required
	57	6235	Not Required	5.50	
	113	6515	Not Required	6.00	
	173	6815	Not Required	5.50	
	233	7115	Not Required	-0.50	
802.11be-EHT40 MCS0	3	5965	Not Required	8.50	Not Required
	59	6245	Not Required	8.50	
	107	6485	Not Required	9.00	
	171	6805	Not Required	9.00	
	227	7085	Not Required	9.00	
802.11be-EHT80 MCS0	7	5985	Not Required	9.50	Not Required
	71	6305	Not Required	9.50	
	119	6545	Not Required	9.50	
	167	6785	Not Required	10.00	
	215	7025	Not Required	11.50	
802.11be-EHT160 MCS0	15	6025	Not Required	9.50	Not Required
	47	6185	Not Required	9.50	
	111	6505	Not Required	9.50	
	143	6665	Not Required	10.00	
	207	6985	Not Required	11.50	
802.11be-EHT320 MCS0	31	6105	8.35	9.50	99.21
	63	6265	8.30	9.50	
	95	6425	8.59	9.50	
	127	6585	9.40	10.00	
	159	6745	9.31	10.00	
	191	6905	11.04	11.50	



【6GHz WLAN_VLP_ Main_Laptop】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	1.50	Not Required
	57	6235	Not Required	2.00	
	113	6515	Not Required	1.50	
	173	6815	Not Required	2.00	
	233	7115	Not Required	2.00	
802.11ax-HE40 MCS0	3	5965	Not Required	4.50	Not Required
	59	6245	Not Required	4.50	
	107	6485	Not Required	5.00	
	171	6805	Not Required	4.50	
	227	7085	Not Required	5.00	
802.11ax-HE80 MCS0	7	5985	Not Required	7.50	Not Required
	71	6305	Not Required	8.00	
	119	6545	Not Required	8.00	
	167	6785	Not Required	8.00	
	215	7025	Not Required	8.00	
802.11ax-HE160 MCS0	15	6025	Not Required	8.50	Not Required
	47	6185	Not Required	8.50	
	111	6505	Not Required	9.00	
	143	6665	Not Required	8.50	
	207	6985	Not Required	8.50	
802.11be-EHT20 MCS0	1	5955	Not Required	1.50	Not Required
	57	6235	Not Required	2.00	
	113	6515	Not Required	1.50	
	173	6815	Not Required	2.00	
	233	7115	Not Required	2.00	
802.11be-EHT40 MCS0	3	5965	Not Required	4.50	Not Required
	59	6245	Not Required	4.50	
	107	6485	Not Required	5.00	
	171	6805	Not Required	4.50	
	227	7085	Not Required	5.00	
802.11be-EHT80 MCS0	7	5985	Not Required	7.50	Not Required
	71	6305	Not Required	8.00	
	119	6545	Not Required	8.00	
	167	6785	Not Required	8.00	
	215	7025	Not Required	8.00	
802.11be-EHT160 MCS0	15	6025	Not Required	8.50	Not Required
	47	6185	Not Required	8.50	
	111	6505	Not Required	9.00	
	143	6665	Not Required	8.50	
	207	6985	Not Required	8.50	
802.11be-EHT320 MCS0	31	6105	Not Required	8.50	Not Required
	63	6265	Not Required	8.50	
	95	6425	Not Required	8.50	
	127	6585	Not Required	8.50	
	159	6745	Not Required	8.50	
	191	6905	Not Required	8.50	



【6GHz WLAN_SP_ Main_Tablet】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	11.00	Not Required
	57	6235	Not Required	11.00	
	173	6815	Not Required	12.50	
802.11ax-HE40 MCS0	3	5965	Not Required	11.00	Not Required
	59	6245	Not Required	11.00	
	171	6805	Not Required	12.50	
802.11ax-HE80 MCS0	7	5985	Not Required	11.00	Not Required
	71	6305	Not Required	11.00	
	167	6785	Not Required	12.50	
802.11ax-HE160 MCS0	15	6025	Not Required	11.00	Not Required
	47	6185	Not Required	11.00	
	143	6665	Not Required	12.50	
802.11be-EHT20 MCS0	1	5955	Not Required	11.00	Not Required
	57	6235	Not Required	11.00	
	173	6815	Not Required	12.50	
802.11be-EHT40 MCS0	3	5965	Not Required	11.00	Not Required
	59	6245	Not Required	11.00	
	171	6805	Not Required	12.50	
802.11be-EHT80 MCS0	7	5985	Not Required	11.00	Not Required
	71	6305	Not Required	11.00	
	167	6785	Not Required	12.50	
802.11be-EHT160 MCS0	15	6025	Not Required	11.00	Not Required
	47	6185	Not Required	11.00	
	143	6665	Not Required	12.50	
802.11be-EHT320 MCS0	31	6105	10.37	11.00	99.21
	63	6265	10.32	11.00	



【6GHz WLAN_LPI_ Main_Tablet】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	5.50	Not Required
	57	6235	Not Required	5.50	
	113	6515	Not Required	6.00	
	173	6815	Not Required	5.50	
	233	7115	Not Required	-0.50	
802.11ax-HE40 MCS0	3	5965	Not Required	8.50	Not Required
	59	6245	Not Required	8.50	
	107	6485	Not Required	9.00	
	171	6805	Not Required	9.00	
	227	7085	Not Required	9.00	
802.11ax-HE80 MCS0	7	5985	Not Required	11.00	Not Required
	71	6305	Not Required	11.00	
	119	6545	Not Required	11.50	
	167	6785	Not Required	11.00	
	215	7025	Not Required	12.00	
802.11ax-HE160 MCS0	15	6025	Not Required	11.00	Not Required
	47	6185	Not Required	11.00	
	111	6505	Not Required	11.50	
	143	6665	Not Required	12.50	
	207	6985	Not Required	14.00	
802.11be-EHT20 MCS0	1	5955	Not Required	5.50	Not Required
	57	6235	Not Required	5.50	
	113	6515	Not Required	6.00	
	173	6815	Not Required	5.50	
	233	7115	Not Required	-0.50	
802.11be-EHT40 MCS0	3	5965	Not Required	8.50	Not Required
	59	6245	Not Required	8.50	
	107	6485	Not Required	9.00	
	171	6805	Not Required	9.00	
	227	7085	Not Required	9.00	
802.11be-EHT80 MCS0	7	5985	Not Required	11.00	Not Required
	71	6305	Not Required	11.00	
	119	6545	Not Required	11.50	
	167	6785	Not Required	11.00	
	215	7025	Not Required	12.00	
802.11be-EHT160 MCS0	15	6025	Not Required	11.00	Not Required
	47	6185	Not Required	11.00	
	111	6505	Not Required	11.50	
	143	6665	Not Required	12.50	
	207	6985	Not Required	14.00	
802.11be-EHT320 MCS0	31	6105	10.37	11.00	99.21
	63	6265	10.32	11.00	
	95	6425	11.27	11.50	
	127	6585	12.25	12.50	
	159	6745	12.42	12.50	
	191	6905	13.74	14.00	



【6GHz WLAN_VLP_ Main_Tablet】

Mode	Channel	Frequency (MHz)	Main		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	1.50	Not Required
	57	6235	Not Required	2.00	
	113	6515	Not Required	1.50	
	173	6815	Not Required	2.00	
	233	7115	Not Required	2.00	
802.11ax-HE40 MCS0	3	5965	Not Required	4.50	Not Required
	59	6245	Not Required	4.50	
	107	6485	Not Required	5.00	
	171	6805	Not Required	4.50	
	227	7085	Not Required	5.00	
802.11ax-HE80 MCS0	7	5985	Not Required	7.50	Not Required
	71	6305	Not Required	8.00	
	119	6545	Not Required	8.00	
	167	6785	Not Required	8.00	
	215	7025	Not Required	8.00	
802.11ax-HE160 MCS0	15	6025	Not Required	8.50	Not Required
	47	6185	Not Required	8.50	
	111	6505	Not Required	9.00	
	143	6665	Not Required	8.50	
	207	6985	Not Required	8.50	
802.11be-EHT20 MCS0	1	5955	Not Required	1.50	Not Required
	57	6235	Not Required	2.00	
	113	6515	Not Required	1.50	
	173	6815	Not Required	2.00	
	233	7115	Not Required	2.00	
802.11be-EHT40 MCS0	3	5965	Not Required	4.50	Not Required
	59	6245	Not Required	4.50	
	107	6485	Not Required	5.00	
	171	6805	Not Required	4.50	
	227	7085	Not Required	5.00	
802.11be-EHT80 MCS0	7	5985	Not Required	7.50	Not Required
	71	6305	Not Required	8.00	
	119	6545	Not Required	8.00	
	167	6785	Not Required	8.00	
	215	7025	Not Required	8.00	
802.11be-EHT160 MCS0	15	6025	Not Required	8.50	Not Required
	47	6185	Not Required	8.50	
	111	6505	Not Required	9.00	
	143	6665	Not Required	8.50	
	207	6985	Not Required	8.50	
802.11be-EHT320 MCS0	31	6105	Not Required	8.50	Not Required
	63	6265	Not Required	8.50	
	95	6425	Not Required	8.50	
	127	6585	Not Required	8.50	
	159	6745	Not Required	8.50	
	191	6905	Not Required	8.50	



【6GHz WLAN_SP_ Aux_Laptop】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	12.00	Not Required
	57	6235	Not Required	12.00	
	173	6815	Not Required	11.00	
802.11ax-HE40 MCS0	3	5965	Not Required	12.00	Not Required
	59	6245	Not Required	12.00	
	171	6805	Not Required	11.00	
802.11ax-HE80 MCS0	7	5985	Not Required	12.00	Not Required
	71	6305	Not Required	12.00	
	167	6785	Not Required	11.00	
802.11ax-HE160 MCS0	15	6025	Not Required	12.00	Not Required
	47	6185	Not Required	12.00	
	143	6665	Not Required	11.00	
802.11be-EHT20 MCS0	1	5955	Not Required	12.00	Not Required
	57	6235	Not Required	12.00	
	173	6815	Not Required	11.00	
802.11be-EHT40 MCS0	3	5965	Not Required	12.00	Not Required
	59	6245	Not Required	12.00	
	171	6805	Not Required	11.00	
802.11be-EHT80 MCS0	7	5985	Not Required	12.00	Not Required
	71	6305	Not Required	12.00	
	167	6785	Not Required	11.00	
802.11be-EHT160 MCS0	15	6025	Not Required	12.00	Not Required
	47	6185	Not Required	12.00	
	143	6665	Not Required	11.00	
802.11be-EHT320 MCS0	31	6105	11.84	12.00	98.89
	63	6265	11.78	12.00	



【6GHz WLAN_LPI_ Aux_Laptop】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	5.50	Not Required
	57	6235	Not Required	5.50	
	113	6515	Not Required	6.00	
	173	6815	Not Required	5.50	
	233	7115	Not Required	-0.50	
802.11ax-HE40 MCS0	3	5965	Not Required	8.50	Not Required
	59	6245	Not Required	8.50	
	107	6485	Not Required	9.00	
	171	6805	Not Required	9.00	
	227	7085	Not Required	9.00	
802.11ax-HE80 MCS0	7	5985	Not Required	12.00	Not Required
	71	6305	Not Required	11.50	
	119	6545	Not Required	12.00	
	167	6785	Not Required	11.00	
	215	7025	Not Required	11.00	
802.11ax-HE160 MCS0	15	6025	Not Required	12.00	Not Required
	47	6185	Not Required	12.00	
	111	6505	Not Required	12.00	
	143	6665	Not Required	11.00	
	207	6985	Not Required	11.00	
802.11be-EHT20 MCS0	1	5955	Not Required	5.50	Not Required
	57	6235	Not Required	5.50	
	113	6515	Not Required	6.00	
	173	6815	Not Required	5.50	
	233	7115	Not Required	-0.50	
802.11be-EHT40 MCS0	3	5965	Not Required	8.50	Not Required
	59	6245	Not Required	8.50	
	107	6485	Not Required	9.00	
	171	6805	Not Required	9.00	
	227	7085	Not Required	9.00	
802.11be-EHT80 MCS0	7	5985	Not Required	12.00	Not Required
	71	6305	Not Required	11.50	
	119	6545	Not Required	12.00	
	167	6785	Not Required	11.00	
	215	7025	Not Required	11.00	
802.11be-EHT160 MCS0	15	6025	Not Required	12.00	Not Required
	47	6185	Not Required	12.00	
	111	6505	Not Required	12.00	
	143	6665	Not Required	11.00	
	207	6985	Not Required	11.00	
802.11be-EHT320 MCS0	31	6105	11.84	12.00	98.89
	63	6265	11.78	12.00	
	95	6425	11.57	12.00	
	127	6585	10.91	11.00	
	159	6745	10.33	11.00	
	191	6905	10.10	11.00	



【6GHz WLAN_VLP_ Aux_Laptop】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	2.00	Not Required
	57	6235	Not Required	2.00	
	113	6515	Not Required	1.50	
	173	6815	Not Required	1.50	
	233	7115	Not Required	2.00	
802.11ax-HE40 MCS0	3	5965	Not Required	5.00	Not Required
	59	6245	Not Required	5.00	
	107	6485	Not Required	5.00	
	171	6805	Not Required	4.50	
	227	7085	Not Required	5.00	
802.11ax-HE80 MCS0	7	5985	Not Required	8.00	Not Required
	71	6305	Not Required	8.00	
	119	6545	Not Required	8.00	
	167	6785	Not Required	8.00	
	215	7025	Not Required	8.00	
802.11ax-HE160 MCS0	15	6025	Not Required	9.00	Not Required
	47	6185	Not Required	9.00	
	111	6505	Not Required	9.00	
	143	6665	Not Required	9.00	
	207	6985	Not Required	9.00	
802.11be-EHT20 MCS0	1	5955	Not Required	2.00	Not Required
	57	6235	Not Required	2.00	
	113	6515	Not Required	1.50	
	173	6815	Not Required	1.50	
	233	7115	Not Required	2.00	
802.11be-EHT40 MCS0	3	5965	Not Required	5.00	Not Required
	59	6245	Not Required	5.00	
	107	6485	Not Required	5.00	
	171	6805	Not Required	4.50	
	227	7085	Not Required	5.00	
802.11be-EHT80 MCS0	7	5985	Not Required	8.00	Not Required
	71	6305	Not Required	8.00	
	119	6545	Not Required	8.00	
	167	6785	Not Required	8.00	
	215	7025	Not Required	8.00	
802.11be-EHT160 MCS0	15	6025	Not Required	9.00	Not Required
	47	6185	Not Required	9.00	
	111	6505	Not Required	9.00	
	143	6665	Not Required	9.00	
	207	6985	Not Required	9.00	
802.11be-EHT320 MCS0	31	6105	Not Required	9.00	Not Required
	63	6265	Not Required	9.00	
	95	6425	Not Required	9.00	
	127	6585	Not Required	8.50	
	159	6745	Not Required	9.00	
	191	6905	Not Required	9.00	



【6GHz WLAN_SP_ Aux_Tablet】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	11.00	Not Required
	57	6235	Not Required	11.00	
	173	6815	Not Required	11.50	
802.11ax-HE40 MCS0	3	5965	Not Required	11.00	Not Required
	59	6245	Not Required	11.00	
	171	6805	Not Required	11.50	
802.11ax-HE80 MCS0	7	5985	Not Required	11.00	Not Required
	71	6305	Not Required	11.00	
	167	6785	Not Required	11.50	
802.11ax-HE160 MCS0	15	6025	Not Required	11.00	Not Required
	47	6185	Not Required	11.00	
	143	6665	Not Required	11.50	
802.11be-EHT20 MCS0	1	5955	Not Required	11.00	Not Required
	57	6235	Not Required	11.00	
	173	6815	Not Required	11.50	
802.11be-EHT40 MCS0	3	5965	Not Required	11.00	Not Required
	59	6245	Not Required	11.00	
	171	6805	Not Required	11.50	
802.11be-EHT80 MCS0	7	5985	Not Required	11.00	Not Required
	71	6305	Not Required	11.00	
	167	6785	Not Required	11.50	
802.11be-EHT160 MCS0	15	6025	Not Required	11.00	Not Required
	47	6185	Not Required	11.00	
	143	6665	Not Required	11.50	
802.11be-EHT320 MCS0	31	6105	10.84	11.00	98.89
	63	6265	10.78	11.00	



【6GHz WLAN_LPI_ Aux_Tablet】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	5.50	Not Required
	57	6235	Not Required	5.50	
	113	6515	Not Required	6.00	
	173	6815	Not Required	5.50	
	233	7115	Not Required	-0.50	
802.11ax-HE40 MCS0	3	5965	Not Required	8.50	Not Required
	59	6245	Not Required	8.50	
	107	6485	Not Required	9.00	
	171	6805	Not Required	9.00	
	227	7085	Not Required	9.00	
802.11ax-HE80 MCS0	7	5985	Not Required	11.00	Not Required
	71	6305	Not Required	11.00	
	119	6545	Not Required	11.50	
	167	6785	Not Required	11.50	
	215	7025	Not Required	12.00	
802.11ax-HE160 MCS0	15	6025	Not Required	11.00	Not Required
	47	6185	Not Required	11.00	
	111	6505	Not Required	11.50	
	143	6665	Not Required	11.50	
	207	6985	Not Required	13.00	
802.11be-EHT20 MCS0	1	5955	Not Required	5.50	Not Required
	57	6235	Not Required	5.50	
	113	6515	Not Required	6.00	
	173	6815	Not Required	5.50	
	233	7115	Not Required	-0.50	
802.11be-EHT40 MCS0	3	5965	Not Required	8.50	Not Required
	59	6245	Not Required	8.50	
	107	6485	Not Required	9.00	
	171	6805	Not Required	9.00	
	227	7085	Not Required	9.00	
802.11be-EHT80 MCS0	7	5985	Not Required	11.00	Not Required
	71	6305	Not Required	11.00	
	119	6545	Not Required	11.50	
	167	6785	Not Required	11.50	
	215	7025	Not Required	12.00	
802.11be-EHT160 MCS0	15	6025	Not Required	11.00	Not Required
	47	6185	Not Required	11.00	
	111	6505	Not Required	11.50	
	143	6665	Not Required	11.50	
	207	6985	Not Required	13.00	
802.11be-EHT320 MCS0	31	6105	10.84	11.00	98.89
	63	6265	10.78	11.00	
	95	6425	11.32	11.50	
	127	6585	11.41	11.50	
	159	6745	11.33	11.50	
	191	6905	12.60	13.00	



【6GHz WLAN_VLP_ Aux_Tablet】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11ax-HE20 MCS0	1	5955	Not Required	2.00	Not Required
	57	6235	Not Required	2.00	
	113	6515	Not Required	1.50	
	173	6815	Not Required	1.50	
	233	7115	Not Required	2.00	
802.11ax-HE40 MCS0	3	5965	Not Required	5.00	Not Required
	59	6245	Not Required	5.00	
	107	6485	Not Required	5.00	
	171	6805	Not Required	4.50	
	227	7085	Not Required	5.00	
802.11ax-HE80 MCS0	7	5985	Not Required	8.00	Not Required
	71	6305	Not Required	8.00	
	119	6545	Not Required	8.00	
	167	6785	Not Required	8.00	
	215	7025	Not Required	8.00	
802.11ax-HE160 MCS0	15	6025	Not Required	9.00	Not Required
	47	6185	Not Required	9.00	
	111	6505	Not Required	9.00	
	143	6665	Not Required	9.00	
	207	6985	Not Required	9.00	
802.11be-EHT20 MCS0	1	5955	Not Required	2.00	Not Required
	57	6235	Not Required	2.00	
	113	6515	Not Required	1.50	
	173	6815	Not Required	1.50	
	233	7115	Not Required	2.00	
802.11be-EHT40 MCS0	3	5965	Not Required	5.00	Not Required
	59	6245	Not Required	5.00	
	107	6485	Not Required	5.00	
	171	6805	Not Required	4.50	
	227	7085	Not Required	5.00	
802.11be-EHT80 MCS0	7	5985	Not Required	8.00	Not Required
	71	6305	Not Required	8.00	
	119	6545	Not Required	8.00	
	167	6785	Not Required	8.00	
	215	7025	Not Required	8.00	
802.11be-EHT160 MCS0	15	6025	Not Required	9.00	Not Required
	47	6185	Not Required	9.00	
	111	6505	Not Required	9.00	
	143	6665	Not Required	9.00	
	207	6985	Not Required	9.00	
802.11be-EHT320 MCS0	31	6105	Not Required	9.00	Not Required
	63	6265	Not Required	9.00	
	95	6425	Not Required	9.00	
	127	6585	Not Required	8.50	
	159	6745	Not Required	9.00	
	191	6905	Not Required	9.00	



【6GHz WLAN_SP_ MIMO_Laptop】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11ax-HE20 MCS0	1	5955	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	57	6235	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	173	6815	Not Required	10.00	Not Required	11.00	Not Required	13.50	
802.11ax-HE40 MCS0	3	5965	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	59	6245	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	171	6805	Not Required	10.00	Not Required	11.00	Not Required	13.50	
802.11ax-HE80 MCS0	7	5985	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	71	6305	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	167	6785	Not Required	10.00	Not Required	11.00	Not Required	13.50	
802.11ax-HE160 MCS0	15	6025	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	47	6185	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	143	6665	Not Required	10.00	Not Required	11.00	Not Required	13.50	
802.11be-EHT20 MCS0	1	5955	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	57	6235	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	173	6815	Not Required	10.00	Not Required	11.00	Not Required	13.50	
802.11be-EHT40 MCS0	3	5965	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	59	6245	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	171	6805	Not Required	10.00	Not Required	11.00	Not Required	13.50	
802.11be-EHT80 MCS0	7	5985	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	71	6305	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	167	6785	Not Required	10.00	Not Required	11.00	Not Required	13.50	
802.11be-EHT160 MCS0	15	6025	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	47	6185	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	143	6665	Not Required	10.00	Not Required	11.00	Not Required	13.50	
802.11be-EHT320 MCS0	31	6105	9.05	9.50	11.68	12.00	13.57	13.90	98.76
	63	6265	9.07	9.50	11.65	12.00	13.56	13.90	



【6GHz WLAN_LPI_ MIMO_Laptop】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11ax-HE20 MCS0	1	5955	Not Required	5.50	Not Required	5.50	Not Required	8.50	Not Required
	57	6235	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	113	6515	Not Required	6.00	Not Required	6.00	Not Required	9.00	
	173	6815	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	233	7115	Not Required	-0.50	Not Required	-0.50	Not Required	2.50	
802.11ax-HE40 MCS0	3	5965	Not Required	8.50	Not Required	8.50	Not Required	11.50	Not Required
	59	6245	Not Required	8.50	Not Required	8.50	Not Required	11.50	
	107	6485	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	171	6805	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	227	7085	Not Required	9.00	Not Required	9.00	Not Required	12.00	
802.11ax-HE80 MCS0	7	5985	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	71	6305	Not Required	9.50	Not Required	11.50	Not Required	13.60	
	119	6545	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	167	6785	Not Required	10.00	Not Required	11.00	Not Required	13.50	
	215	7025	Not Required	11.50	Not Required	11.00	Not Required	14.30	
802.11ax-HE160 MCS0	15	6025	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	47	6185	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	111	6505	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	143	6665	Not Required	10.00	Not Required	11.00	Not Required	13.50	
	207	6985	Not Required	11.50	Not Required	11.00	Not Required	14.30	
802.11be-EHT20 MCS0	1	5955	Not Required	5.50	Not Required	5.50	Not Required	8.50	Not Required
	57	6235	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	113	6515	Not Required	6.00	Not Required	6.00	Not Required	9.00	
	173	6815	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	233	7115	Not Required	-0.50	Not Required	-0.50	Not Required	2.50	
802.11be-EHT40 MCS0	3	5965	Not Required	8.50	Not Required	8.50	Not Required	11.50	Not Required
	59	6245	Not Required	8.50	Not Required	8.50	Not Required	11.50	
	107	6485	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	171	6805	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	227	7085	Not Required	9.00	Not Required	9.00	Not Required	12.00	
802.11be-EHT80 MCS0	7	5985	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	71	6305	Not Required	9.50	Not Required	11.50	Not Required	13.60	
	119	6545	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	167	6785	Not Required	10.00	Not Required	11.00	Not Required	13.50	
	215	7025	Not Required	11.50	Not Required	11.00	Not Required	14.30	
802.11be-EHT160 MCS0	15	6025	Not Required	9.50	Not Required	12.00	Not Required	13.90	Not Required
	47	6185	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	111	6505	Not Required	9.50	Not Required	12.00	Not Required	13.90	
	143	6665	Not Required	10.00	Not Required	11.00	Not Required	13.50	
	207	6985	Not Required	11.50	Not Required	11.00	Not Required	14.30	
802.11be-EHT320 MCS0	31	6105	9.05	9.50	11.68	12.00	13.57	13.90	98.76
	63	6265	9.07	9.50	11.65	12.00	13.56	13.90	
	95	6425	9.03	9.50	11.50	12.00	13.45	13.90	
	127	6585	9.31	10.00	10.43	11.00	12.92	13.50	
	159	6745	9.48	10.00	10.77	11.00	13.18	13.50	
	191	6905	10.89	11.50	10.40	11.00	13.66	14.30	



【6GHz WLAN_VLP_ MIMO_Laptop】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11ax-HE20 MCS0	1	5955	Not Required	-1.50	Not Required	-1.50	Not Required	1.50	Not Required
	57	6235	Not Required	-1.25	Not Required	-1.25	Not Required	1.80	
	113	6515	Not Required	-1.50	Not Required	-1.50	Not Required	1.50	
	173	6815	Not Required	-1.50	Not Required	-1.50	Not Required	1.50	
	233	7115	Not Required	-1.25	Not Required	-1.25	Not Required	1.80	
802.11ax-HE40 MCS0	3	5965	Not Required	1.50	Not Required	1.50	Not Required	4.50	Not Required
	59	6245	Not Required	1.75	Not Required	1.75	Not Required	4.80	
	107	6485	Not Required	1.75	Not Required	1.75	Not Required	4.80	
	171	6805	Not Required	1.50	Not Required	1.50	Not Required	4.50	
	227	7085	Not Required	1.75	Not Required	1.75	Not Required	4.80	
802.11ax-HE80 MCS0	7	5985	Not Required	4.75	Not Required	4.75	Not Required	7.80	Not Required
	71	6305	Not Required	4.75	Not Required	4.75	Not Required	7.80	
	119	6545	Not Required	4.50	Not Required	4.50	Not Required	7.50	
	167	6785	Not Required	4.75	Not Required	4.75	Not Required	7.80	
	215	7025	Not Required	4.75	Not Required	4.75	Not Required	7.80	
802.11ax-HE160 MCS0	15	6025	Not Required	5.50	Not Required	5.50	Not Required	8.50	Not Required
	47	6185	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	111	6505	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	143	6665	Not Required	5.25	Not Required	5.25	Not Required	8.30	
	207	6985	Not Required	5.25	Not Required	5.25	Not Required	8.30	
802.11be-EHT20 MCS0	1	5955	Not Required	-1.50	Not Required	-1.50	Not Required	1.50	Not Required
	57	6235	Not Required	-1.25	Not Required	-1.25	Not Required	1.80	
	113	6515	Not Required	-1.50	Not Required	-1.50	Not Required	1.50	
	173	6815	Not Required	-1.50	Not Required	-1.50	Not Required	1.50	
	233	7115	Not Required	-1.25	Not Required	-1.25	Not Required	1.80	
802.11be-EHT40 MCS0	3	5965	Not Required	1.50	Not Required	1.50	Not Required	4.50	Not Required
	59	6245	Not Required	1.75	Not Required	1.75	Not Required	4.80	
	107	6485	Not Required	1.75	Not Required	1.75	Not Required	4.80	
	171	6805	Not Required	1.50	Not Required	1.50	Not Required	4.50	
	227	7085	Not Required	1.75	Not Required	1.75	Not Required	4.80	
802.11be-EHT80 MCS0	7	5985	Not Required	4.75	Not Required	4.75	Not Required	7.80	Not Required
	71	6305	Not Required	4.75	Not Required	4.75	Not Required	7.80	
	119	6545	Not Required	4.50	Not Required	4.50	Not Required	7.50	
	167	6785	Not Required	4.75	Not Required	4.75	Not Required	7.80	
	215	7025	Not Required	4.75	Not Required	4.75	Not Required	7.80	
802.11be-EHT160 MCS0	15	6025	Not Required	5.50	Not Required	5.50	Not Required	8.50	Not Required
	47	6185	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	111	6505	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	143	6665	Not Required	5.25	Not Required	5.25	Not Required	8.30	
	207	6985	Not Required	5.25	Not Required	5.25	Not Required	8.30	
802.11be-EHT320 MCS0	31	6105	Not Required	5.50	Not Required	5.50	Not Required	8.50	Not Required
	63	6265	Not Required	5.75	Not Required	5.75	Not Required	8.80	
	95	6425	Not Required	5.75	Not Required	5.75	Not Required	8.80	
	127	6585	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	159	6745	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	191	6905	Not Required	5.50	Not Required	5.50	Not Required	8.50	



【6GHz WLAN_SP_ MIMO_Tablet】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11ax-HE20 MCS0	1	5955	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	57	6235	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	173	6815	Not Required	12.50	Not Required	11.50	Not Required	15.00	
802.11ax-HE40 MCS0	3	5965	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	59	6245	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	171	6805	Not Required	12.50	Not Required	11.50	Not Required	15.00	
802.11ax-HE80 MCS0	7	5985	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	71	6305	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	167	6785	Not Required	12.50	Not Required	11.50	Not Required	15.00	
802.11ax-HE160 MCS0	15	6025	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	47	6185	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	143	6665	Not Required	12.50	Not Required	11.50	Not Required	15.00	
802.11be-EHT20 MCS0	1	5955	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	57	6235	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	173	6815	Not Required	12.50	Not Required	11.50	Not Required	15.00	
802.11be-EHT40 MCS0	3	5965	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	59	6245	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	171	6805	Not Required	12.50	Not Required	11.50	Not Required	15.00	
802.11be-EHT80 MCS0	7	5985	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	71	6305	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	167	6785	Not Required	12.50	Not Required	11.50	Not Required	15.00	
802.11be-EHT160 MCS0	15	6025	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	47	6185	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	143	6665	Not Required	12.50	Not Required	11.50	Not Required	15.00	
802.11be-EHT320 MCS0	31	6105	10.43	11.00	10.48	11.00	13.47	14.00	98.76
	63	6265	10.35	11.00	10.44	11.00	13.41	14.00	



【6GHz WLAN_LPI_ MIMO_Tablet】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11ax-HE20 MCS0	1	5955	Not Required	5.50	Not Required	5.50	Not Required	8.50	Not Required
	57	6235	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	113	6515	Not Required	6.00	Not Required	6.00	Not Required	9.00	
	173	6815	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	233	7115	Not Required	-0.50	Not Required	-0.50	Not Required	2.50	
802.11ax-HE40 MCS0	3	5965	Not Required	8.50	Not Required	8.50	Not Required	11.50	Not Required
	59	6245	Not Required	8.50	Not Required	8.50	Not Required	11.50	
	107	6485	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	171	6805	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	227	7085	Not Required	9.00	Not Required	9.00	Not Required	12.00	
802.11ax-HE80 MCS0	7	5985	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	71	6305	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	119	6545	Not Required	11.50	Not Required	11.00	Not Required	14.30	
	167	6785	Not Required	11.00	Not Required	11.50	Not Required	14.30	
	215	7025	Not Required	12.00	Not Required	12.00	Not Required	15.00	
802.11ax-HE160 MCS0	15	6025	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	47	6185	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	111	6505	Not Required	11.50	Not Required	11.50	Not Required	14.50	
	143	6665	Not Required	12.50	Not Required	11.50	Not Required	15.00	
	207	6985	Not Required	14.00	Not Required	13.00	Not Required	16.50	
802.11be-EHT20 MCS0	1	5955	Not Required	5.50	Not Required	5.50	Not Required	8.50	Not Required
	57	6235	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	113	6515	Not Required	6.00	Not Required	6.00	Not Required	9.00	
	173	6815	Not Required	5.50	Not Required	5.50	Not Required	8.50	
	233	7115	Not Required	-0.50	Not Required	-0.50	Not Required	2.50	
802.11be-EHT40 MCS0	3	5965	Not Required	8.50	Not Required	8.50	Not Required	11.50	Not Required
	59	6245	Not Required	8.50	Not Required	8.50	Not Required	11.50	
	107	6485	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	171	6805	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	227	7085	Not Required	9.00	Not Required	9.00	Not Required	12.00	
802.11be-EHT80 MCS0	7	5985	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	71	6305	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	119	6545	Not Required	11.50	Not Required	11.50	Not Required	14.50	
	167	6785	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	215	7025	Not Required	12.00	Not Required	12.00	Not Required	15.00	
802.11be-EHT160 MCS0	15	6025	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	47	6185	Not Required	11.00	Not Required	11.00	Not Required	14.00	
	111	6505	Not Required	11.50	Not Required	11.50	Not Required	14.50	
	143	6665	Not Required	12.50	Not Required	11.50	Not Required	15.00	
	207	6985	Not Required	14.00	Not Required	13.00	Not Required	16.50	
802.11be-EHT320 MCS0	31	6105	10.43	11.00	10.48	11.00	13.47	14.00	98.76
	63	6265	10.35	11.00	10.44	11.00	13.41	14.00	
	95	6425	11.12	11.50	11.05	11.50	14.10	14.50	
	127	6585	11.92	12.50	10.91	11.50	14.45	15.00	
	159	6745	11.95	12.50	10.93	11.50	14.48	15.00	
	191	6905	13.49	14.00	12.48	13.00	16.02	16.50	



【6GHz WLAN_VLP_ MIMO_Tablet】

Mode	Channel	Frequency (MHz)	MIMO(Main)		MIMO(Aux)		MIMO		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11ax-HE20 MCS0	1	5955	Not Required	1.50	Not Required	2.00	Not Required	4.80	Not Required
	57	6235	Not Required	2.00	Not Required	2.00	Not Required	5.00	
	113	6515	Not Required	1.50	Not Required	1.50	Not Required	4.50	
	173	6815	Not Required	2.00	Not Required	1.50	Not Required	4.80	
	233	7115	Not Required	2.00	Not Required	2.00	Not Required	5.00	
802.11ax-HE40 MCS0	3	5965	Not Required	4.50	Not Required	5.00	Not Required	7.80	Not Required
	59	6245	Not Required	4.50	Not Required	5.00	Not Required	7.80	
	107	6485	Not Required	5.00	Not Required	5.00	Not Required	8.00	
	171	6805	Not Required	4.50	Not Required	4.50	Not Required	7.50	
	227	7085	Not Required	5.00	Not Required	5.00	Not Required	8.00	
802.11ax-HE80 MCS0	7	5985	Not Required	7.50	Not Required	8.00	Not Required	10.80	Not Required
	71	6305	Not Required	8.00	Not Required	8.00	Not Required	11.00	
	119	6545	Not Required	8.00	Not Required	8.00	Not Required	11.00	
	167	6785	Not Required	8.00	Not Required	8.00	Not Required	11.00	
	215	7025	Not Required	8.00	Not Required	8.00	Not Required	11.00	
802.11ax-HE160 MCS0	15	6025	Not Required	8.50	Not Required	9.00	Not Required	11.80	Not Required
	47	6185	Not Required	8.50	Not Required	9.00	Not Required	11.80	
	111	6505	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	143	6665	Not Required	8.50	Not Required	9.00	Not Required	11.80	
	207	6985	Not Required	8.50	Not Required	9.00	Not Required	11.80	
802.11be-EHT20 MCS0	1	5955	Not Required	1.50	Not Required	2.00	Not Required	4.80	Not Required
	57	6235	Not Required	2.00	Not Required	2.00	Not Required	5.00	
	113	6515	Not Required	1.50	Not Required	1.50	Not Required	4.50	
	173	6815	Not Required	2.00	Not Required	1.50	Not Required	4.80	
	233	7115	Not Required	2.00	Not Required	2.00	Not Required	5.00	
802.11be-EHT40 MCS0	3	5965	Not Required	4.50	Not Required	5.00	Not Required	7.80	Not Required
	59	6245	Not Required	4.50	Not Required	5.00	Not Required	7.80	
	107	6485	Not Required	5.00	Not Required	5.00	Not Required	8.00	
	171	6805	Not Required	4.50	Not Required	4.50	Not Required	7.50	
	227	7085	Not Required	5.00	Not Required	5.00	Not Required	8.00	
802.11be-EHT80 MCS0	7	5985	Not Required	7.50	Not Required	8.00	Not Required	10.80	Not Required
	71	6305	Not Required	8.00	Not Required	8.00	Not Required	11.00	
	119	6545	Not Required	8.00	Not Required	8.00	Not Required	11.00	
	167	6785	Not Required	8.00	Not Required	8.00	Not Required	11.00	
	215	7025	Not Required	8.00	Not Required	8.00	Not Required	11.00	
802.11be-EHT160 MCS0	15	6025	Not Required	8.50	Not Required	9.00	Not Required	11.80	Not Required
	47	6185	Not Required	8.50	Not Required	9.00	Not Required	11.80	
	111	6505	Not Required	9.00	Not Required	9.00	Not Required	12.00	
	143	6665	Not Required	8.50	Not Required	9.00	Not Required	11.80	
	207	6985	Not Required	8.50	Not Required	9.00	Not Required	11.80	
802.11be-EHT320 MCS0	31	6105	Not Required	8.50	Not Required	9.00	Not Required	11.80	Not Required
	63	6265	Not Required	8.50	Not Required	9.00	Not Required	11.80	
	95	6425	Not Required	8.50	Not Required	9.00	Not Required	11.80	
	127	6585	Not Required	8.50	Not Required	8.50	Not Required	11.50	
	159	6745	Not Required	8.50	Not Required	9.00	Not Required	11.80	
	191	6905	Not Required	8.50	Not Required	9.00	Not Required	11.80	

【Bluetooth_Laptop】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	8.84	9.00	76.80
	39	2441	9.00	9.00	
	78	2480	8.99	9.00	
BR / EDR 2Mbps	0	2402	Not Required	9.00	Not Required
	39	2441	Not Required	9.00	
	78	2480	Not Required	9.00	
BR / EDR 3Mbps	0	2402	Not Required	9.00	Not Required
	39	2441	Not Required	9.00	
	78	2480	Not Required	9.00	
LE 1Mbps	0	2402	Not Required	9.00	Not Required
	19	2440	Not Required	9.00	
	39	2480	Not Required	9.00	
LE 2Mbps	0	2402	Not Required	9.00	Not Required
	19	2440	Not Required	9.00	
	39	2480	Not Required	9.00	

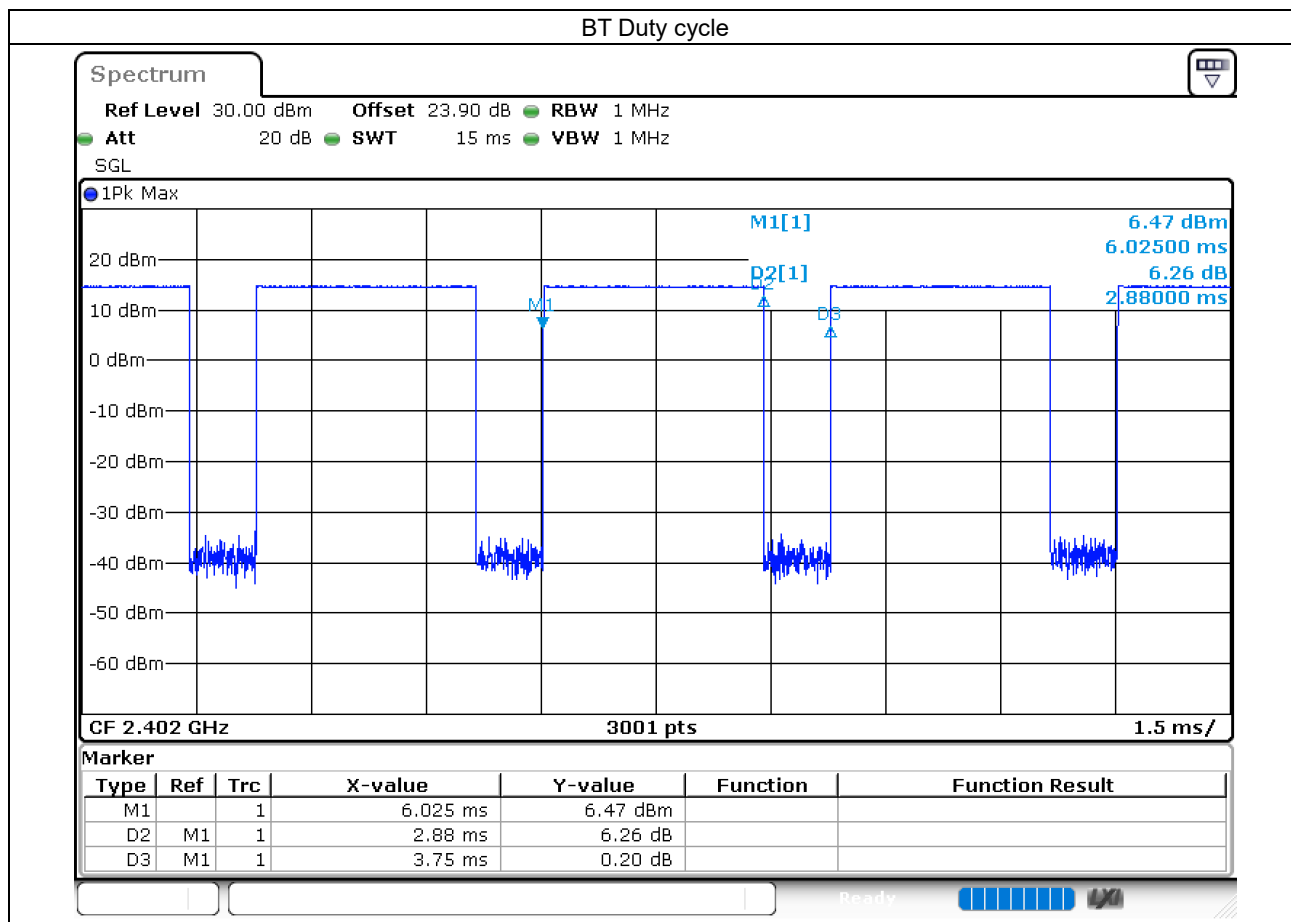
【Bluetooth_Tablet】

Mode	Channel	Frequency (MHz)	Aux		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	10.35	10.50	76.80
	39	2441	10.48	10.50	
	78	2480	10.41	10.50	
BR / EDR 2Mbps	0	2402	Not Required	10.50	Not Required
	39	2441	Not Required	10.50	
	78	2480	Not Required	10.50	
BR / EDR 3Mbps	0	2402	Not Required	10.50	Not Required
	39	2441	Not Required	10.50	
	78	2480	Not Required	10.50	
LE 1Mbps	0	2402	Not Required	10.50	Not Required
	19	2440	Not Required	10.50	
	39	2480	Not Required	10.50	
LE 2Mbps	0	2402	Not Required	10.50	Not Required
	19	2440	Not Required	10.50	
	39	2480	Not Required	10.50	



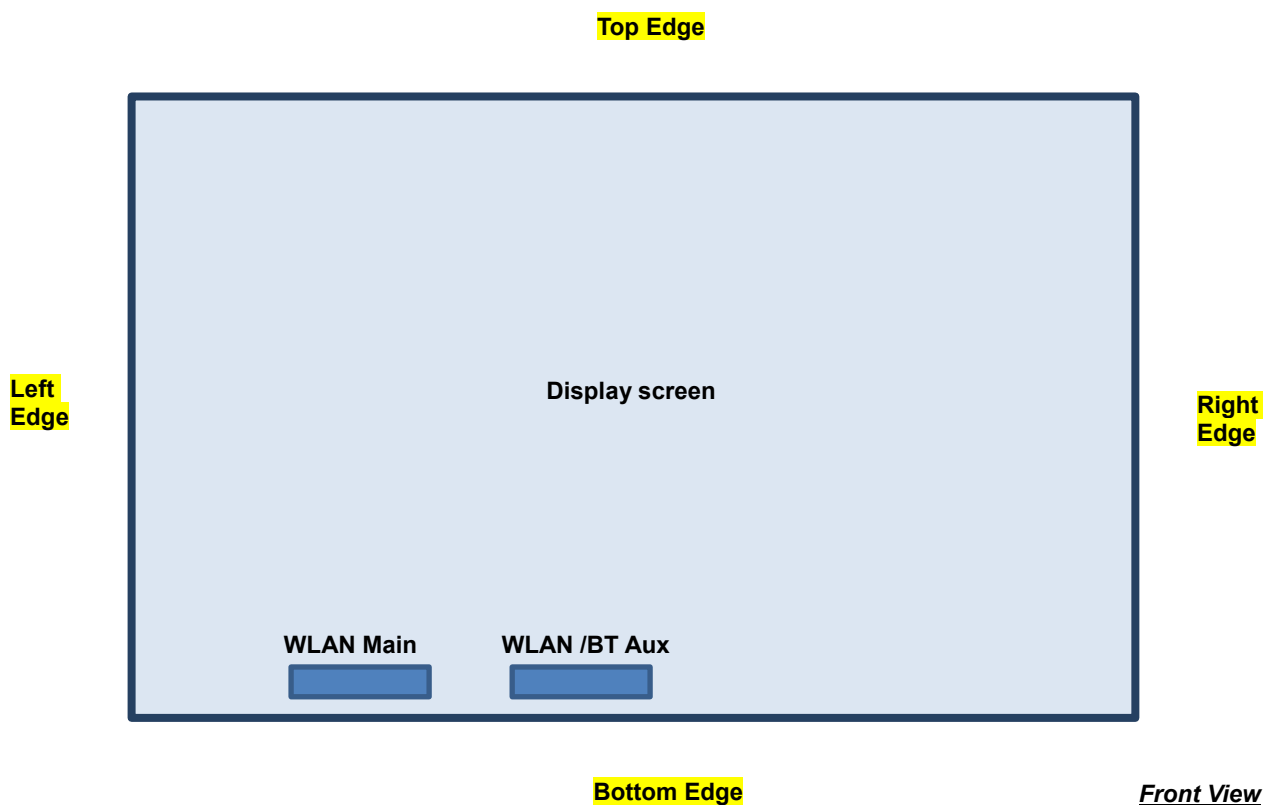
General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.8% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



12. Antenna Location

<Tablet Mode>

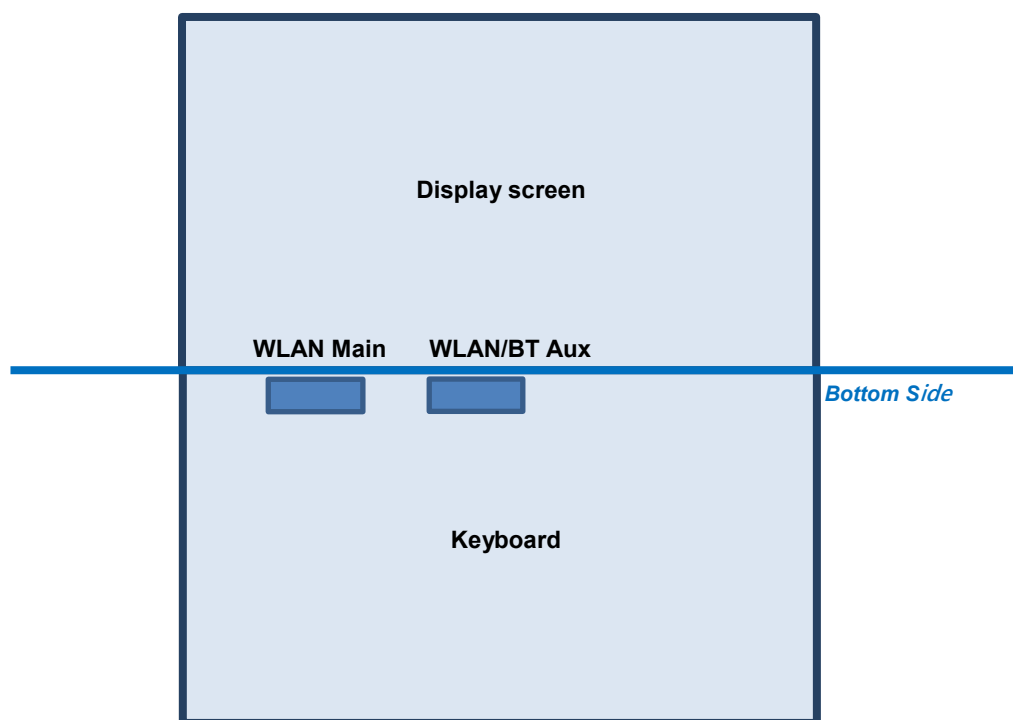


Front View

The separation distance for antenna to edge :

Antenna	Top Edge (mm)	Right Edge (mm)	Left Edge (mm)	Bottom Edge (mm)
WLAN/BT Aux Antenna	224.0	145.2	134.5	10.8
WLAN Main Antenna	224.0	222.7	56.1	10.8

<Laptop Mode>



The separation distance for antenna to edge :

Antenna	To Bottom Side (mm)
WLAN/BT Aux Antenna	3.23
WLAN Main Antenna	3.23

< SAR test exclusion table >
General Note:

- The below table, when the distance is < 50 mm exclusion threshold is "Ratio", when the distance is > 50 mm exclusion threshold is "mW"
- Maximum power is the source-based time-average power and represents the maximum RF output power among production units
- Per KDB 447498 D01v06, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
- Per KDB 447498 D01v06, standalone SAR test exclusion threshold is applied; If the test separation distance is < 5mm, 5mm is used to determine SAR exclusion threshold.
- Per KDB 447498 D01v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$
 - f(GHz) is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation
 - The result is rounded to one decimal place for comparison
- Per KDB 447498 D01v06, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
 - [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · (f(MHz)/150)] mW, at 100 MHz to 1500 MHz
 - [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at > 1500 MHz and ≤ 6 GHz

<Laptop Mode>

Exposure Position	Wireless Interface	2.4GHz WLAN Main	BT/2.4GHz WLAN Aux	5/6GHz WLAN Main	5/6GHz WLAN Aux
	Calculated Frequency (MHz)	2472	2472	5825	5825
	Maximum power (dBm)	13.0	12.5	11.5	12.5
	Maximum rated power(mW)	19.95	17.78	14.13	17.78
Bottom Side	Separation distance(mm)	3.2	3.2	3.2	3.2
	exclusion threshold	6.3	5.6	6.8	8.6
	Testing required?	Yes	Yes	Yes	Yes

<Tablet Mode>

Exposure Position	Wireless Interface	2.4GHz WLAN Main	BT/2.4GHz WLAN Aux	5/6GHz WLAN Main	5/6GHz WLAN Aux
	Calculated Frequency (MHz)	2472	2472	5825	5825
	Maximum power (dBm)	16.0	14.0	14.5	13.0
	Maximum rated power(mW)	39.81	25.12	28.18	19.95
Back	Separation distance(mm)	31.7	30.6	31.7	30.6
	exclusion threshold	2.0	1.3	2.1	1.6
	Testing required?	No	No	No	No
Right	Separation distance(mm)	222.7	145.2	222.7	145.2
	exclusion threshold	1822.0	1047.0	1789.0	1014.0
	Testing required?	No	No	No	No
Left	Separation distance(mm)	56.1	134.5	56.1	134.5
	exclusion threshold	156.0	941.0	123.0	907.0
	Testing required?	No	No	No	No
Bottom	Separation distance(mm)	10.8	10.8	10.8	10.8
	exclusion threshold	5.8	3.7	6.3	4.5
	Testing required?	Yes	Yes	Yes	Yes
Top	Separation distance(mm)	224.0	224.0	224.0	224.0
	exclusion threshold	1835.0	1835.0	1802.0	1802.0
	Testing required?	No	No	No	No

13. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.

WLAN Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when 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.
2. Per KDB 248227 D01v02r02, WLAN5.2GHz SAR testing is not required for hotspot and body-worn condition when the WLAN5.3GHz band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for WLAN5.2GHz band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. For WLAN SAR testing was performed on single antenna RF power in SISO mode is larger or equal to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission exclusion analysis was performed with SAR test results of each antenna in SISO mode.
6. Per KDB 248227 D01v02r02, the simultaneous SAR provisions in KDB publication 447498 should be applied to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1g single transmission chain SAR measurements is < 1.6 W/kg and SAR peak to location ratio ≤ 0.04 , no additional SAR measurements for MIMO.
7. During SAR testing, the WLAN transmit signal was continuously monitored using a spectrum analyzer to ensure continuous and stable signal output throughout the measurement.

WLAN PD Note:

1. The WiFi 6E PD was performed according 2020 TCB workshop RF Exposure 5G RFX Policies Interim Procedures.
2. First, evaluate SAR using 6-7 GHz parameters per IEC/IEEE 62209-1528:2020 and evaluate incident PD using the mmw near-field probe and total-field/power-density reconstruction method.
3. Per Interim Procedures. The power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor
4. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. The WiFi 6E RF Exposure results are used for simultaneous transmission analysis with the other transmitters and total exposure ratio, the analysis can be found in this report section 14.
6. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements.
7. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
8. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
9. The measurement procedure consists of measuring the PD_{inc} at two different distances: 2 mm (compliance distance) and $\lambda/5$. The grid extents should be large enough to fully capture the transmitted energy. The grid step should be fine enough to demonstrate that the integrated Power Density iPD_n fulfill the criterion described below. Since iPD ratio between the two distances is ≥ -1 dB, the grid step (0.0625) was sufficient for determining compliance at d=2mm.

$$10 \cdot \log_{10} \frac{iPD_n(2mm)}{iPD_n(\lambda/5)} \geq -1$$

**13.1 Body SAR**

【WLAN 2.4GHz_5GHz SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	11	2462	LUX	12.96	13.00	1.009	99.52	1.005	-0.14	0.913	0.926
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	1	2412	LUX	12.68	13.00	1.076	99.52	1.005	-0.02	1.020	1.103
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	6	2437	LUX	12.82	13.00	1.042	99.52	1.005	0.03	0.914	0.957
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	12	2467	LUX	12.92	13.00	1.019	99.52	1.005	-0.19	0.874	0.895
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	13	2472	LUX	12.62	13.00	1.091	99.52	1.005	-0.02	0.809	0.887
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Main	Tablet	11	2462	LUX	15.86	16.00	1.033	99.52	1.005	0.06	0.098	0.102
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	11	2462	LUX	15.86	16.00	1.033	99.52	1.005	-0.02	0.909	0.944
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	1	2412	LUX	15.58	16.00	1.102	99.52	1.005	0.00	1.020	1.130
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	6	2437	LUX	15.79	16.00	1.05	99.52	1.005	-0.01	0.933	0.985
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	12	2467	LUX	15.81	16.00	1.045	99.52	1.005	-0.11	1.050	1.103
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	13	2472	LUX	15.53	16.00	1.114	99.52	1.005	0.05	0.967	1.083
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	1	2412	ADV	12.68	13.00	1.076	99.52	1.005	-0.04	0.949	1.026
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	6	2437	ADV	12.82	13.00	1.042	99.52	1.005	0.14	0.880	0.922
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	11	2462	ADV	12.96	13.00	1.009	99.52	1.005	-0.12	0.907	0.920
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	12	2467	ADV	12.92	13.00	1.019	99.52	1.005	-0.01	0.951	0.974
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Main	Laptop	13	2472	ADV	12.62	13.00	1.091	99.52	1.005	0.16	0.847	0.929
01	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	1	2412	ADV	15.58	16.00	1.102	99.52	1.005	0.12	1.050	1.163
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	6	2437	ADV	15.79	16.00	1.05	99.52	1.005	-0.03	0.901	0.951
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	11	2462	ADV	15.86	16.00	1.033	99.52	1.005	-0.14	0.897	0.931
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	12	2467	ADV	15.81	16.00	1.045	99.52	1.005	-0.15	0.917	0.963
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Main	Tablet	13	2472	ADV	15.53	16.00	1.114	99.52	1.005	-0.15	0.843	0.944
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Aux	Laptop	11	2462	LUX	12.33	12.50	1.04	99.37	1.006	-0.01	0.608	0.636
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Aux	Tablet	11	2462	LUX	13.83	14.00	1.04	99.37	1.006	0.08	0.076	0.080
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Aux	Tablet	11	2462	LUX	13.83	14.00	1.04	99.37	1.006	-0.01	0.618	0.647
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Aux	Laptop	11	2462	ADV	12.33	12.50	1.04	99.37	1.006	0.18	0.882	0.923
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Aux	Laptop	1	2412	ADV	12.12	12.50	1.091	99.37	1.006	-0.07	0.767	0.842
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Aux	Laptop	6	2437	ADV	12.24	12.50	1.062	99.37	1.006	-0.09	0.943	1.007
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Aux	Laptop	12	2467	ADV	12.27	12.50	1.054	99.37	1.006	0.05	0.810	0.859
	WLAN2.4GHz	802.11b 1Mbps	Bottom Side	0mm	Aux	Laptop	13	2472	ADV	11.75	12.50	1.189	99.37	1.006	0.17	0.687	0.822
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Aux	Tablet	11	2462	ADV	13.83	14.00	1.04	99.37	1.006	0.00	0.843	0.882
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Aux	Tablet	1	2412	LUX	13.62	14.00	1.091	99.37	1.006	-0.10	0.548	0.601
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Aux	Tablet	6	2437	LUX	13.74	14.00	1.062	99.37	1.006	0.18	0.454	0.485
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Aux	Tablet	12	2467	LUX	13.77	14.00	1.054	99.37	1.006	-0.08	0.419	0.444
	WLAN2.4GHz	802.11b 1Mbps	Bottom	0mm	Aux	Tablet	13	2472	LUX	13.24	14.00	1.191	99.37	1.006	-0.17	0.378	0.453
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	10	2457	LUX	12.94	13.00	1.014	98.83	1.012	0.01	0.811	0.832
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	10	2457	LUX	12.48	12.50	1.005	98.83	1.012	0.01	0.654	0.665
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Main)	Tablet	6	2437	LUX	15.74	16.00	1.062	98.83	1.012	0.04	0.638	0.686
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	6	2437	LUX	13.88	14.00	1.028	98.83	1.012	0.04	0.607	0.631
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	3	2422	ADV	12.55	13.00	1.109	98.83	1.012	0.11	0.714	0.801
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	3	2422	ADV	12.29	12.50	1.05	98.83	1.012	0.11	0.715	0.760
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	6	2437	ADV	12.78	13.00	1.052	98.83	1.012	-0.13	0.870	0.926
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	6	2437	ADV	12.46	12.50	1.009	98.83	1.012	-0.13	0.871	0.889
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	9	2452	ADV	12.70	13.00	1.072	98.83	1.012	-0.16	0.785	0.852
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	9	2452	ADV	12.26	12.50	1.057	98.83	1.012	-0.16	0.786	0.841
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	10	2457	ADV	12.94	13.00	1.014	98.83	1.012	0.14	0.647	0.664
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	10	2457	ADV	12.48	12.50	1.005	98.83	1.012	0.14	0.648	0.659
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	11	2462	ADV	12.52	13.00	1.117	98.83	1.012	-0.10	0.683	0.772
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	11	2462	ADV	12.26	12.50	1.057	98.83	1.012	-0.10	0.683	0.731
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Main)	Tablet	3	2422	ADV	15.78	16.00	1.052	98.83	1.012	0.05	0.780	0.830
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	3	2422	ADV	13.81	14.00	1.045	98.83	1.012	0.05	1.080	1.142
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Main)	Tablet	6	2437	ADV	15.74	16.00	1.062	98.83	1.012	-0.10	0.738	0.793
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	6	2437	ADV	13.88	14.00	1.028	98.83	1.012	-0.10	1.020	1.061
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Main)	Tablet	9	2452	ADV	15.75	16.00	1.059	98.83	1.012	-0.06	0.731	0.783
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	9	2452	ADV	13.80	14.00	1.047	98.83	1.012	-0.06	1.000	1.060
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Main)	Tablet	10	2457	ADV	12.94	13.00	1.014	98.8	1.012	0.02	0.410	0.421
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	10	2457	ADV	12.48	12.50	1.005	98.8	1.012	0.02	0.749	0.762
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Main)	Tablet	11	2462	ADV	12.52	13.00	1.117	98.8	1.012	-0.09	0.399	0.451
	WLAN2.4GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	11	2462	ADV	12.26	12.50	1.057	98.8	1.012	-0.09	0.662	0.708
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Main	Laptop	50	5250	LUX	9.35	10.00	1.161	98.88	1.011	0.08	0.711	0.835
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Main	Laptop	58	5290	LUX	9.38	10.00	1.153	98.76	1.013	0.16	1.010	1.180
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Main	Tablet	50	5250	LUX	9.98	10.50	1.127	98.88	1.011	0.00	0.055	0.063
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Main	Tablet	50	5250	LUX	9.98	10.50	1.127	98.88	1.011	-0.16	1.030	1.174
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Main	Tablet	58	5290	LUX	10.35	10.50	1.035	98.76	1.013	-0.15	1.100	1.153
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Main	Laptop	58	5290	ADV	9.38	10.00	1.153	98.76	1.013	0.09	0.921	1.076
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Main	Laptop	50	5250	ADV	9.35	10.00	1.161	98.88	1.011	0.02	0.901	1.058
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Main	Tablet	58	5290	ADV	10.35	10.50	1.035	98.76	1.013	-0.04	0.837	0.878
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Main	Tablet	50	5250	ADV	9.98	10.50	1.127	98.88	1.011	0.18	1.040	1.185



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	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Aux	Laptop	50	5250	LUX	11.32	12.00	1.169	98.88	1.011	0.10	0.987	1.166
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Aux	Laptop	58	5290	LUX	11.36	12.00	1.159	98.88	1.011	-0.16	0.868	1.017
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Aux	Tablet	50	5250	LUX	9.48	9.50	1.005	98.88	1.011	0.08	0.092	0.093
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Aux	Tablet	50	5250	LUX	9.48	9.50	1.005	98.88	1.011	-0.01	0.787	0.800
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Aux	Tablet	58	5290	LUX	9.46	9.50	1.009	98.88	1.011	0.06	0.866	0.883
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Aux	Laptop	50	5250	ADV	11.32	12.00	1.169	98.88	1.011	0.06	0.922	1.090
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Aux	Laptop	58	5290	ADV	11.36	12.00	1.159	98.88	1.011	0.03	0.898	1.052
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Aux	Tablet	58	5290	ADV	9.46	9.50	1.009	98.88	1.011	0.13	0.943	0.962
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Aux	Tablet	50	5250	ADV	9.48	9.50	1.005	98.88	1.011	0.16	0.965	0.980
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	50	5250	LUX	9.88	10.00	1.028	98.88	1.011	-0.07	0.849	0.882
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	50	5250	LUX	11.78	12.00	1.052	98.88	1.011	-0.07	0.995	1.058
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	58	5290	LUX	9.85	10.00	1.035	98.88	1.011	-0.08	1.080	1.130
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	58	5290	LUX	11.81	12.00	1.045	98.88	1.011	-0.08	0.935	0.988
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Main)	Tablet	50	5250	LUX	10.16	10.50	1.081	98.88	1.011	-0.11	1.070	1.169
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	50	5250	LUX	9.25	9.50	1.059	98.88	1.011	-0.11	0.867	0.928
02	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Main)	Tablet	58	5290	LUX	10.36	10.50	1.033	98.88	1.011	0.05	1.140	1.191
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	58	5290	LUX	9.14	9.50	1.086	98.88	1.011	0.05	0.775	0.851
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	58	5290	ADV	9.85	10.00	1.035	98.88	1.011	0.06	0.778	0.814
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	58	5290	ADV	11.81	12.00	1.045	98.88	1.011	0.06	0.880	0.930
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	50	5250	ADV	9.88	10.00	1.028	98.88	1.011	-0.01	0.884	0.919
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	50	5250	ADV	11.78	12.00	1.052	98.88	1.011	-0.01	1.000	1.064
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Main)	Tablet	58	5290	ADV	10.36	10.50	1.033	98.88	1.011	-0.11	0.919	0.960
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	58	5290	ADV	9.14	9.50	1.086	98.88	1.011	-0.11	0.730	0.802
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Main)	Tablet	50	5250	ADV	10.16	10.50	1.081	98.88	1.011	0.05	0.851	0.930
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	50	5250	ADV	9.25	9.50	1.059	98.88	1.011	0.05	0.676	0.724
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Main	Laptop	114	5570	LUX	8.91	9.50	1.146	98.88	1.011	0.17	0.935	1.083
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Main	Laptop	138	5690	LUX	8.32	9.50	1.312	98.76	1.013	0.04	0.689	0.916
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Main	Tablet	114	5570	LUX	9.90	10.00	1.023	98.88	1.011	0.12	0.104	0.108
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Main	Tablet	114	5570	LUX	9.90	10.00	1.023	98.88	1.011	-0.03	1.080	1.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Main	Tablet	138	5690	LUX	9.31	10.00	1.172	98.76	1.013	-0.02	0.510	0.605
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Main	Laptop	114	5570	ADV	8.91	9.50	1.146	98.88	1.011	-0.14	0.733	0.849
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Main	Laptop	138	5690	ADV	8.32	9.50	1.312	98.76	1.013	-0.15	0.857	1.139
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Main	Tablet	114	5570	ADV	9.90	10.00	1.023	98.88	1.011	0.03	0.815	0.843
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Main	Tablet	138	5690	ADV	9.31	10.00	1.172	98.76	1.013	-0.11	0.653	0.775
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Aux	Laptop	114	5570	LUX	11.88	12.00	1.028	98.88	1.011	-0.15	0.734	0.763
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Aux	Tablet	114	5570	LUX	10.38	10.50	1.028	98.88	1.011	-0.15	0.101	0.105
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Aux	Tablet	114	5570	LUX	10.38	10.50	1.028	98.88	1.011	-0.11	0.800	0.831
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Aux	Tablet	106	5530	LUX	10.41	10.50	1.021	98.88	1.011	0.04	1.020	1.053
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Aux	Laptop	114	5570	ADV	11.88	12.00	1.028	98.88	1.011	-0.01	0.852	0.885
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Aux	Laptop	106	5530	ADV	11.91	12.00	1.021	98.88	1.011	-0.15	1.000	1.032
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Aux	Tablet	114	5570	ADV	10.38	10.50	1.028	98.88	1.011	-0.13	1.060	1.102
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Aux	Tablet	106	5530	ADV	10.41	10.50	1.021	98.88	1.011	0.17	1.140	1.177
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	114	5570	LUX	9.21	9.50	1.069	98.31	1.017	0.00	0.935	1.017
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	114	5570	LUX	11.87	12.00	1.03	98.31	1.017	0.00	0.633	0.663
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	106	5530	LUX	9.26	9.50	1.057	98.68	1.013	0.18	1.120	1.199
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	106	5530	LUX	11.65	12.00	1.084	98.68	1.013	0.18	0.733	0.805
03	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Main)	Tablet	114	5570	LUX	9.93	10.00	1.016	98.31	1.017	-0.14	1.160	1.199
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	114	5570	LUX	10.11	10.50	1.094	98.31	1.017	-0.14	0.965	1.074
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Main)	Laptop	106	5530	LUX	9.92	10.00	1.019	98.68	1.013	-0.05	1.160	1.197
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	106	5530	LUX	10.11	10.50	1.094	98.68	1.013	-0.05	0.870	0.964
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	106	5530	ADV	9.26	9.50	1.057	98.68	1.013	0.11	0.609	0.652
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	106	5530	ADV	11.65	12.00	1.084	98.68	1.013	0.11	0.752	0.826
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	114	5570	ADV	9.21	9.50	1.069	98.31	1.017	-0.18	0.699	0.760
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	114	5570	ADV	11.87	12.00	1.03	98.31	1.017	-0.18	0.863	0.904
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Main)	Tablet	114	5570	ADV	9.93	10.00	1.016	98.31	1.017	-0.10	0.698	0.721
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	114	5570	ADV	10.11	10.50	1.094	98.31	1.017	-0.10	0.614	0.683
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Main)	Tablet	106	5530	ADV	9.92	10.00	1.019	98.68	1.013	-0.14	0.984	1.016
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	106	5530	ADV	10.11	10.50	1.094	98.68	1.013	-0.14	0.865	0.959
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Main	Laptop	155	5775	LUX	10.02	11.00	1.253	98.76	1.013	0.08	0.827	1.050
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Side	0mm	Main	Laptop	151	5755	LUX	9.87	11.00	1.297	98.76	1.013	-0.02	0.796	1.046
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Main	Tablet	155	5775	LUX	10.02	10.50	1.117	98.76	1.013	-0.12	0.160	0.181
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Main	Tablet	155	5775	LUX	10.02	10.50	1.117	98.76	1.013	-0.13	1.020	1.154
	WLAN5GHz	802.11n-HT40 MCS0	Bottom	0mm	Main	Tablet	151	5755	LUX	9.87	10.50	1.156	98.76	1.013	-0.16	0.779	0.912
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Main	Laptop	155	5775	ADV	10.02	11.00	1.253	98.76	1.013	-0.19	0.916	1.163
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Side	0mm	Main	Laptop	151	5755	ADV	9.87	11.00	1.297	98.76	1.013	0.00	0.881	1.158
04	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Main	Tablet	155	5775	ADV	10.02	10.50	1.117	98.76	1.013	-0.06	1.030	1.165
	WLAN5GHz	802.11n-HT40 MCS0	Bottom	0mm	Main	Tablet	151	5755	ADV	9.87	10.50	1.156	98.76	1.013	0.00	0.889	1.041
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Aux	Laptop	155	5775	LUX	11.62	12.50	1.225	98.88	1.011	-0.13	0.787	0.975
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Side	0mm	Aux	Laptop	151	5755	LUX	11.53	12.50	1.25	98.76	1.013	-0.14	0.873	1.105
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Aux	Tablet	155	5775	LUX	10.44	10.50	1.014	98.88	1.011	-0.09	0.135	0.138
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Aux	Tablet	155	5775	LUX	10.44	10.50	1.014	98.88	1.011	0.07	0.928	0.951
	WLAN5GHz	802.11n-HT40 MCS0	Bottom	0mm	Aux	Tablet	151	5755	LUX	10.43	10.50	1.016	98.76	1.013	-0.04	0.842	0.867
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Aux	Laptop	155	5775	ADV	11.62	12.50	1.225	98.88	1.011	0.01	0.938	1.162



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	WLAN5GHz	802.11n-HT40 MCS0	Bottom Side	0mm	Aux	Laptop	151	5755	ADV	11.53	12.50	1.25	98.76	1.013	-0.07	0.832	1.054
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Aux	Tablet	155	5775	ADV	10.44	10.50	1.014	98.88	1.011	-0.04	1.040	1.066
	WLAN5GHz	802.11n-HT40 MCS0	Bottom	0mm	Aux	Tablet	151	5755	ADV	10.43	10.50	1.016	98.76	1.013	0.12	1.020	1.050
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	155	5775	LUX	10.72	11.00	1.067	98.68	1.013	0.16	1.020	1.102
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	155	5775	LUX	12.01	12.50	1.119	98.68	1.013	0.16	0.841	0.953
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	151	5755	LUX	10.98	11.00	1.005	98.76	1.013	0.03	1.080	1.100
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	151	5755	LUX	12.02	12.50	1.117	98.76	1.013	0.03	0.887	1.004
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Main)	Tablet	155	5775	LUX	10.22	10.50	1.067	98.68	1.013	-0.12	0.969	1.047
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	155	5775	LUX	10.34	10.50	1.038	98.68	1.013	-0.12	0.894	0.940
	WLAN5GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Main)	Tablet	151	5755	LUX	10.19	10.50	1.074	98.76	1.013	-0.05	0.902	0.981
	WLAN5GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	151	5755	LUX	10.35	10.50	1.035	98.76	1.013	-0.05	0.786	0.824
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	155	5775	ADV	10.72	11.00	1.067	98.68	1.013	-0.16	1.050	1.135
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	155	5775	ADV	12.01	12.50	1.119	98.68	1.013	-0.16	0.943	1.069
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	151	5755	ADV	10.98	11.00	1.005	98.76	1.013	-0.13	1.040	1.059
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	151	5755	ADV	12.02	12.50	1.117	98.76	1.013	-0.13	0.935	1.058
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Main)	Tablet	155	5775	ADV	10.22	10.50	1.067	98.68	1.013	-0.15	0.929	1.004
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	155	5775	ADV	10.34	10.50	1.038	98.68	1.013	-0.15	0.838	0.881
	WLAN5GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	151	5755	ADV	10.35	10.50	1.035	98.76	1.013	0.11	0.893	0.936
	WLAN5GHz	802.11n-HT40 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	151	5755	ADV	10.35	10.50	1.035	98.76	1.013	0.11	0.805	0.844
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Main	Laptop	163	5815	LUX	10.80	11.00	1.047	98.88	1.011	0.06	0.764	0.809
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Main	Laptop	171	5855	LUX	10.86	11.00	1.033	98.76	1.013	0.12	0.675	0.706
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Main	Tablet	163	5815	LUX	10.16	10.50	1.081	98.88	1.011	-0.10	0.132	0.144
05	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Main	Tablet	163	5815	LUX	10.16	10.50	1.081	98.88	1.011	0.06	1.090	1.191
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Main	Tablet	171	5855	LUX	10.25	10.50	1.059	98.76	1.013	-0.15	1.000	1.073
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Main	Laptop	163	5815	ADV	10.80	11.00	1.047	98.88	1.011	-0.14	0.945	1.000
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Main	Laptop	171	5855	ADV	10.86	11.00	1.033	98.76	1.013	-0.03	0.778	0.814
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Main	Tablet	163	5815	ADV	10.16	10.50	1.081	98.88	1.011	-0.18	1.030	1.126
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Main	Tablet	171	5855	ADV	10.25	10.50	1.059	98.76	1.013	0.13	1.030	1.105
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Aux	Laptop	163	5815	LUX	11.73	12.50	1.194	98.88	1.011	-0.11	0.629	0.759
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Aux	Tablet	163	5815	LUX	10.34	10.50	1.038	98.88	1.011	-0.10	0.099	0.104
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Aux	Tablet	163	5815	LUX	10.34	10.50	1.038	98.88	1.011	-0.00	0.741	0.778
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	Aux	Laptop	163	5815	ADV	11.73	12.50	1.194	98.88	1.011	0.01	0.746	0.901
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	Aux	Laptop	171	5855	ADV	11.80	12.50	1.175	98.88	1.011	0.09	0.662	0.786
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	Aux	Tablet	163	5815	ADV	10.34	10.50	1.038	98.88	1.011	0.08	0.879	0.922
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	Aux	Tablet	171	5855	ADV	10.44	10.50	1.014	98.88	1.011	-0.08	0.719	0.737
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	163	5815	LUX	10.85	11.00	1.035	98.31	1.017	0.12	0.833	0.877
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	163	5815	LUX	12.36	12.50	1.033	98.31	1.017	0.12	0.684	0.719
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	171	5855	LUX	10.95	11.00	1.012	98.68	1.013	0.06	0.725	0.743
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	171	5855	LUX	12.48	12.50	1.005	98.68	1.013	0.06	0.538	0.548
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Main)	Tablet	163	5815	LUX	10.32	10.50	1.042	98.31	1.017	-0.12	0.884	0.937
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	163	5815	LUX	10.28	10.50	1.052	98.31	1.017	-0.12	0.582	0.623
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Main)	Tablet	171	5855	LUX	10.29	10.50	1.05	98.68	1.013	-0.03	0.944	1.004
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	171	5855	LUX	10.10	10.50	1.096	98.68	1.013	-0.03	0.557	0.618
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	163	5815	ADV	10.85	11.00	1.035	98.31	1.017	-0.01	0.843	0.887
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	163	5815	ADV	12.36	12.50	1.033	98.31	1.017	-0.01	0.862	0.906
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	171	5855	ADV	10.95	11.00	1.012	98.68	1.013	-0.13	0.772	0.791
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	171	5855	ADV	12.48	12.50	1.005	98.68	1.013	-0.13	0.790	0.804
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Main)	Tablet	171	5855	ADV	10.29	10.50	1.05	98.68	1.013	0.05	0.863	0.918
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	171	5855	ADV	10.10	10.50	1.096	98.68	1.013	0.05	0.601	0.667
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Main)	Tablet	163	5815	ADV	10.32	10.50	1.042	98.31	1.017	0.01	0.729	0.773
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	163	5815	ADV	10.28	10.50	1.052	98.31	1.017	0.01	0.507	0.542



FCC SAR TEST REPORT

Report No. : FA622607

[WLAN 6GHz SAR]

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m ²)	Reported APD (W/m ²)
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	191	6905	LUX	11.04	11.50	1.112	99.21	1.008	0.08	0.918	1.029	5.040	5.649
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	31	6105	LUX	8.35	9.50	1.303	99.21	1.008	-0.15	0.847	1.112	4.970	6.528
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	63	6265	LUX	8.30	9.50	1.318	99.21	1.008	-0.10	0.801	1.064	4.740	6.297
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	95	6425	LUX	8.59	9.50	1.233	99.21	1.008	-0.07	0.880	1.094	5.200	6.463
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	127	6585	LUX	9.40	10.00	1.148	99.21	1.008	-0.16	0.876	1.014	5.050	5.844
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	159	6745	LUX	9.31	10.00	1.172	99.21	1.008	0.01	0.854	1.009	4.870	5.753
	WLAN6GHz	802.11be-EHT320 MCS0	Back	0mm	Main	Tablet	191	6905	LUX	13.74	14.00	1.062	99.21	1.008	0.13	0.062	0.066	0.681	0.729
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	191	6905	LUX	13.74	14.00	1.062	99.21	1.008	-0.17	1.020	1.092	5.390	5.770
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	31	6105	LUX	10.37	11.00	1.156	99.21	1.008	0.05	0.972	1.133	4.750	5.535
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	63	6265	LUX	10.32	11.00	1.169	99.21	1.008	0.05	0.932	1.098	4.630	5.456
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	95	6425	LUX	11.27	11.50	1.054	99.21	1.008	-0.11	1.010	1.073	5.160	5.482
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	127	6585	LUX	12.25	12.50	1.059	99.21	1.008	0.07	0.999	1.066	5.050	5.391
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	159	6745	LUX	12.42	12.50	1.019	99.21	1.008	-0.15	1.050	1.079	5.420	5.567
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	31	6105	ADV	8.35	9.50	1.303	99.21	1.008	0.01	0.764	1.003	4.490	5.897
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	63	6265	ADV	8.30	9.50	1.318	99.21	1.008	0.16	0.734	0.975	4.250	5.646
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	95	6425	ADV	8.59	9.50	1.233	99.21	1.008	-0.10	0.790	0.982	4.490	5.580
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	127	6585	ADV	9.40	10.00	1.148	99.21	1.008	0.14	0.816	0.944	4.550	5.265
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	159	6745	ADV	9.31	10.00	1.172	99.21	1.008	0.08	0.810	0.957	4.470	5.281
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Main	Laptop	191	6905	ADV	11.04	11.50	1.112	99.21	1.008	-0.14	0.911	1.021	5.010	5.616
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	31	6105	ADV	10.37	11.00	1.156	99.21	1.008	0.12	1.010	1.177	5.050	5.885
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	63	6265	ADV	10.32	11.00	1.169	99.21	1.008	-0.08	0.982	1.157	4.870	5.739
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	95	6425	ADV	11.27	11.50	1.054	99.21	1.008	0.06	1.060	1.126	5.320	5.652
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	127	6585	ADV	12.25	12.50	1.059	99.21	1.008	0.05	1.050	1.121	5.310	5.668
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	159	6745	ADV	12.42	12.50	1.019	99.21	1.008	0.03	1.060	1.089	5.210	5.351
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Main	Tablet	191	6905	ADV	13.74	14.00	1.062	99.21	1.008	-0.16	1.070	1.145	5.070	5.427
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	31	6105	LUX	11.84	12.00	1.038	98.89	1.011	0.06	1.050	1.102	7.050	7.398
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	63	6265	LUX	11.78	12.00	1.052	98.89	1.011	-0.19	0.946	1.006	6.020	6.403
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	95	6425	LUX	11.57	12.00	1.104	98.89	1.011	0.06	0.934	1.042	5.780	6.451
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	127	6585	LUX	10.91	11.00	1.021	98.89	1.011	0.05	0.893	0.922	5.360	5.533
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	159	6745	LUX	10.33	11.00	1.167	98.89	1.011	0.03	0.910	1.074	5.330	6.289
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	191	6905	LUX	10.10	11.00	1.23	98.89	1.011	0.06	0.831	1.033	5.390	6.703
	WLAN6GHz	802.11be-EHT320 MCS0	Back	0mm	Aux	Tablet	31	6105	LUX	10.84	11.00	1.038	98.89	1.011	0.01	0.099	0.104	0.771	0.809
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	31	6105	LUX	10.84	11.00	1.038	98.89	1.011	-0.03	0.706	0.741	2.970	3.117
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	63	6265	LUX	10.78	11.00	1.052	98.89	1.011	-0.05	0.527	0.561	4.750	5.052
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	95	6425	LUX	11.32	11.50	1.042	98.89	1.011	-0.05	0.724	0.763	4.590	4.835
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	127	6585	LUX	11.41	11.50	1.021	98.89	1.011	0.06	0.642	0.663	4.730	4.882
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	159	6745	LUX	11.33	11.50	1.04	98.89	1.011	0.07	0.817	0.859	4.750	4.994
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	191	6905	LUX	12.60	13.00	1.096	98.89	1.011	-0.05	0.779	0.863	4.370	4.842
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	31	6105	ADV	11.84	12.00	1.038	98.89	1.011	-0.03	1.050	1.102	6.980	7.325
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	63	6265	ADV	11.78	12.00	1.052	98.89	1.011	-0.12	1.070	1.138	6.930	7.371
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	95	6425	ADV	11.57	12.00	1.104	98.89	1.011	0.15	0.958	1.069	6.020	6.719
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	127	6585	ADV	10.91	11.00	1.021	98.89	1.011	-0.17	0.994	1.026	6.020	6.214
06	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	159	6745	ADV	10.33	11.00	1.167	98.89	1.011	0.13	1.010	1.192	5.910	6.973
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	191	6905	ADV	10.10	11.00	1.23	98.89	1.011	-0.08	0.915	1.138	5.290	6.578
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	191	6905	ADV	12.60	13.00	1.096	98.89	1.011	0.03	0.907	1.005	4.740	5.252
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	31	6105	ADV	10.84	11.00	1.038	98.89	1.011	-0.03	1.070	1.123	5.680	5.961
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	63	6265	ADV	10.78	11.00	1.052	98.89	1.011	-0.14	0.795	0.846	4.420	4.701
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	95	6425	ADV	11.32	11.50	1.042	98.89	1.011	-0.05	1.070	1.127	5.750	6.057
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	127	6585	ADV	11.41	11.50	1.021	98.89	1.011	-0.01	1.150	1.187	6.160	6.359
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	Aux	Tablet	159	6745	ADV	11.33	11.50	1.04	98.89	1.011	-0.11	1.020	1.072	5.350	5.625
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	31	6105	ADV	11.84	12.00	1.038	98.89	1.011	-0.03	1.060	1.112	6.980	7.325
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	63	6265	ADV	11.78	12.00	1.052	98.89	1.011	-0.12	1.070	1.138	6.930	7.371
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	95	6425	ADV	11.57	12.00	1.104	98.89	1.011	0.15	0.958	1.069	6.020	6.719
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	127	6585	ADV	10.91	11.00	1.021	98.89	1.011	-0.17	0.994	1.026	6.020	6.214
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	159	6745	ADV	10.33	11.00	1.167	98.89	1.011	0.13	1.010	1.192	5.910	6.973
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	Aux	Laptop	191	6905	ADV	10.10	11.00	1.23	98.89	1.011	-0.08	0.915	1.138	5.290	6.578
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	191	6905	LUX	10.89	11.50	1.151	98.76	1.013	0.17	1.020	1.189	5.170	6.028
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	191	6905	LUX	10.40	11.00	1.148	98.76	1.013	0.17	0.788	0.916	4.270	4.966
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	31	6105	LUX	9.05	9.50	1.109	98.76	1.013	0.10	0.880	0.989	4.840	5.437
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	31	6105	LUX	11.68	12.00	1.076	98.76	1.013	0.10	0.995	1.085	6.270	6.834
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	63	6265	LUX	9.07	9.50	1.104	98.76	1.013	0.17	0.778	0.870	4.230	4.731
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	63	6265	LUX	11.65	12.00	1.084	98.76	1.013	0.17	0.756	0.830	4.580	5.029
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	95	6425	LUX	9.03	9.50	1.114	98.76	1.013	0.19	0.865	0.976	4.640	5.236
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	95	6425	LUX	11.50	12.00	1.122	98.76	1.013	0.19	0.924	1.050	5.300	6.024
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	127	6585	LUX	9.31	10.00	1.172	98.76	1.013	0.10	0.923	1.096	4.830	5.734
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	127	6585	LUX	10.43	11.00	1.14	98.76						



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	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	191	6905	LUX	12.48	13.00	1.127	98.76	1.013	-0.16	0.853	0.974	4.850	5.537
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	31	6105	LUX	10.43	11.00	1.14	98.76	1.013	0.01	0.829	0.957	4.680	4.817
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	31	6105	LUX	10.48	11.00	1.127	98.76	1.013	0.01	1.020	1.164	5.260	5.355
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	63	6265	LUX	10.35	11.00	1.161	98.76	1.013	-0.03	0.694	0.816	4.090	4.810
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	63	6265	LUX	10.44	11.00	1.138	98.76	1.013	-0.03	0.801	0.923	3.830	4.415
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	95	6425	LUX	11.12	11.50	1.091	98.76	1.013	-0.11	1.000	1.105	5.150	5.692
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	95	6425	LUX	11.05	11.50	1.109	98.76	1.013	-0.11	0.847	0.952	4.890	5.494
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	127	6585	LUX	11.92	12.50	1.143	98.76	1.013	-0.09	0.927	1.073	4.810	5.569
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	127	6585	LUX	10.91	11.50	1.146	98.76	1.013	-0.09	0.709	0.823	4.080	4.736
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	159	6745	LUX	11.95	12.50	1.135	98.76	1.013	-0.13	0.832	0.957	4.320	4.967
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	159	6745	LUX	10.93	11.50	1.14	98.76	1.013	-0.13	0.689	0.796	3.860	4.458
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	191	6905	ADV	10.89	11.50	1.151	98.76	1.013	0.01	0.926	1.080	5.240	6.110
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	191	6905	ADV	10.40	11.00	1.148	98.76	1.013	0.01	0.940	1.093	4.960	5.768
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	31	6105	ADV	9.05	9.50	1.109	98.76	1.013	-0.19	0.752	0.845	4.160	4.673
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	31	6105	ADV	11.68	12.00	1.076	98.76	1.013	-0.19	0.956	1.042	6.180	6.736
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	63	6265	ADV	9.07	9.50	1.104	98.76	1.013	0.14	0.718	0.803	3.810	4.261
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	63	6265	ADV	11.65	12.00	1.084	98.76	1.013	0.14	0.780	0.857	4.760	5.227
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	95	6425	ADV	9.03	9.50	1.114	98.76	1.013	0.12	0.761	0.859	3.930	4.435
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	95	6425	ADV	11.50	12.00	1.122	98.76	1.013	0.12	0.875	0.995	5.110	5.808
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	127	6585	ADV	9.31	10.00	1.172	98.76	1.013	0.15	0.873	1.036	4.430	5.259
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	127	6585	ADV	10.43	11.00	1.14	98.76	1.013	0.15	0.900	1.039	5.050	5.832
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Main)	Laptop	159	6745	ADV	9.48	10.00	1.127	98.76	1.013	-0.10	0.879	1.004	4.390	5.012
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	0mm	MIMO(Aux)	Laptop	159	6745	ADV	10.77	11.00	1.054	98.76	1.013	-0.10	0.869	0.928	4.700	5.018
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	191	6905	ADV	13.49	14.00	1.125	98.76	1.013	0.12	0.906	1.033	4.660	5.311
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	191	6905	ADV	12.48	13.00	1.127	98.76	1.013	0.12	0.986	1.126	5.420	6.188
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	31	6105	ADV	10.43	11.00	1.14	98.76	1.013	-0.15	0.896	1.035	4.840	5.589
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	31	6105	ADV	10.48	11.00	1.127	98.76	1.013	-0.15	1.020	1.164	5.490	6.268
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	63	6265	ADV	10.35	11.00	1.161	98.76	1.013	-0.03	0.689	0.810	3.720	4.375
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	63	6265	ADV	10.44	11.00	1.138	98.76	1.013	-0.03	0.814	0.938	4.370	5.038
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	95	6425	ADV	11.12	11.50	1.091	98.76	1.013	0.05	0.976	1.079	5.290	5.846
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	95	6425	ADV	11.05	11.50	1.109	98.76	1.013	0.05	1.050	1.180	5.590	6.280
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	127	6585	ADV	11.92	12.50	1.143	98.76	1.013	0.14	0.945	1.094	5.080	5.882
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	127	6585	ADV	10.91	11.50	1.146	98.76	1.013	0.14	0.935	1.085	4.990	5.793
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Main)	Tablet	159	6745	ADV	11.95	12.50	1.135	98.76	1.013	0.12	0.933	1.073	5.020	5.772
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	0mm	MIMO(Aux)	Tablet	159	6745	ADV	10.93	11.50	1.14	98.76	1.013	0.12	0.833	0.962	4.520	5.220

【Bluetooth SAR】

Plot No	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Bottom Side	0mm	Aux	Laptop	39	2441	LUX	9.00	9.00	1.0	76.8	1.085	-0.06	0.239	0.259
	Bluetooth	1Mbps	Bottom	0mm	Aux	Tablet	39	2441	LUX	10.48	10.50	1.005	76.8	1.085	-0.01	0.231	0.252
	Bluetooth	1Mbps	Bottom Side	0mm	Aux	Laptop	39	2441	ADV	9.00	9.00	1.0	76.8	1.085	0.03	0.333	0.361
07	Bluetooth	1Mbps	Bottom	0mm	Aux	Tablet	39	2441	ADV	10.48	10.50	1.005	76.8	1.085	-0.04	0.354	0.386

13.2 6GHz PD Test Result

Band	Mode	Test Position	Gap (mm)	Antenna	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11be-EHT320 MCS0	Bottom	2mm	Main	LUX	31	6105	10.37	0.0625	5.71	-0.42704441	3.08	3.18
WLAN6GHz	802.11be-EHT320 MCS0	Bottom	9.83mm	Main	LUX	31	6105	10.37	0.25	6.3		1.41	1.65
WLAN6GHz	802.11be-EHT320 MCS0	Bottom	2mm	Main	LUX	191	6905	13.74	0.0625	1.13	-0.99209901	3.13	3.26
WLAN6GHz	802.11be-EHT320 MCS0	Bottom	8.90mm	Main	LUX	191	6905	13.74	0.25	1.42		1.62	1.82

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Sample	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (λ)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
Laptop																				
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	2mm	Main	LUX	31	6105	8.35	9.50	1.303	99.21	1.008	0.0625	1.5535	0.15	1.08	2.20	1.27	2.59
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom Side	2mm	Aux	ADV	159	6745	10.33	11.00	1.167	98.89	1.011	0.0625	1.5535	-0.16	1.34	2.46	1.68	3.08
Tablet																				
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	2mm	Main	ADV	31	6105	10.37	11.00	1.156	99.21	1.008	0.0625	1.5535	-0.16	3.08	5.58	3.18	5.76
	WLAN6GHz	802.11be-EHT320 MCS0	Bottom	2mm	Aux	ADV	127	6585	11.41	11.50	1.021	98.89	1.011	0.0625	1.5535	0.15	2.48	3.98	2.73	4.38

13.3 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Ratio
1st	2.4GHz WLAN	40M__802.11n-HT40 MCS0	Bottom	0.0	MIMO	Tablet	3	2422	ADV	13.81	14.00	1.045	98.83	1.012	0.05	1.080	1.142	-
2nd	2.4GHz WLAN	40M__802.11n-HT40 MCS0	Bottom	0.0	MIMO	Tablet	3	2422	ADV	13.81	14.00	1.045	98.83	1.012	0.03	0.968	1.023	1.12
1st	5.3GHz WLAN	80M__802.11ac-VHT80 MCS0	Bottom	0.0	MIMO	Tablet	58	5290	LUX	10.36	10.50	1.033	98.88	1.011	0.05	1.140	1.191	-
2nd	5.3GHz WLAN	80M__802.11ac-VHT80 MCS0	Bottom	0.0	MIMO	Tablet	58	5290	LUX	10.36	10.50	1.033	98.88	1.011	0.06	1.030	1.076	1.11
1st	5.5GHz WLAN	160M__802.11ac-VHT160 MCS0	Bottom	0.0	MIMO	Tablet	114	5570	LUX	9.93	10.00	1.016	98.31	1.017	-0.14	1.160	1.199	-
2nd	5.5GHz WLAN	160M__802.11ac-VHT160 MCS0	Bottom	0.0	MIMO	Tablet	114	5570	LUX	9.93	10.00	1.016	98.31	1.017	0.05	1.040	1.075	1.12
1st	5.9GHz WLAN UNII 4	160M__802.11ac-VHT160 MCS0	Bottom	0.0	Main	Tablet	163	5815	LUX	10.16	10.50	1.081	98.88	1.011	0.06	1.090	1.191	-
2nd	5.9GHz WLAN UNII 4	160M__802.11ac-VHT160 MCS0	Bottom	0.0	Main	Tablet	163	5815	LUX	10.16	10.50	1.081	98.88	1.011	0.05	1.030	1.126	1.06
1st	6GHz WLAN	320M__802.11be-EHT320 MCS0	Bottom	0.0	Aux	Tablet	127	6585	ADV	11.41	11.50	1.021	98.89	1.011	-0.01	1.150	1.187	-
2nd	6GHz WLAN	320M__802.11be-EHT320 MCS0	Bottom	0.0	Aux	Tablet	127	6585	ADV	11.41	11.50	1.021	98.89	1.011	-0.11	1.110	1.146	1.04

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/kg}$.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45\text{W/kg}$, only one repeated measurement is required.
- The ratio is the difference in percentage between original and repeated *measured SAR*.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

14. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Body
1.	WLAN2.4GHz Main Ant + WLAN2.4GHz Aux Ant	Yes
2.	WLAN2.4GHz Main Ant + Bluetooth Aux Ant	Yes
3.	5/6GHz Main Ant + 5/6GHz Aux Ant + Bluetooth Aux Ant	Yes

General Note:

1. The Scaled SAR summation is calculated based on the same configuration and test position.
2. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation < 1g 1.6W/kg or 10g 4.0W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$ for 1g SAR, ≤ 0.1 for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg or 10g SAR < 4.0W/kg.
 - v) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

14.1 Body Conditions

Exposure Position	1	2	3	4	5	6	7	1+2 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	4+5 Summed 1g SAR (W/kg)	4+5+7 Summed 1g SAR (W/kg)	7+6 Summed 1g SAR (W/kg)	4+7 Summed 1g SAR (W/kg)	5+7 Summed 1g SAR (W/kg)
	WLAN 2.4GHz Main	WLAN 2.4GHz Aux	WLAN 2.4GHz MIMO	WLAN 5/6GHz Main	WLAN 5/6GHz Aux	WLAN 5/6GHz MIMO	Bluetooth Aux							
	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)							
Bottom Side at 0mm	1.103	1.007	0.926	1.180	1.192	1.199	0.361		1.464			1.560	1.541	1.553
Back at 0mm	0.102	0.080	0.000	0.181	0.138	0.000	0.001	0.182	0.103	0.319	0.320	0.001	0.182	0.139
Bottom at 0mm	1.163	0.882	1.142	1.191	1.187	1.199	0.386		1.549			1.585	1.577	1.573

and Kevin Guo

15. Uncertainty Assessment

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor ^(a)	1/k ^(b)	1/√3	1/√6	1/√2

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) κ is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Applicable for SAR Measurements:

Uncertainty Budget (4 MHz - 10 GHz range)							
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System							
Probe Calibration	18.60	N	2	1	1	9.3	9.3
Axial Isotropy	4.70	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.60	R	1.732	0.7	0.7	3.9	3.9
Linearity	4.70	R	1.732	1	1	2.7	2.7
Modulation Response	4.68	R	1.732	1	1	2.7	2.7
System Detection Limits	1.00	R	1.732	1	1	0.6	0.6
Boundary Effects	2.00	R	1.732	1	1	1.2	1.2
Readout Electronics	0.30	N	1	1	1	0.3	0.3
Response Time	0.00	R	1.732	1	1	0.0	0.0
Integration Time	2.60	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.00	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.00	R	1.732	1	1	1.7	1.7
Probe Positioner	0.40	R	1.732	1	1	0.2	0.2
Probe Positioning	6.70	R	1.732	1	1	3.9	3.9
Post-processing	4.00	R	1.732	1	1	2.3	2.3
Test Sample Related							
Device Holder	3.60	N	1	1	1	3.6	3.6
Test sample Positioning	3.03	N	1	1	1	3.0	3.0
Power Scaling	0.00	R	1.732	1	1	0.0	0.0
Power Drift	5.00	R	1.732	1	1	2.9	2.9
Phantom and Setup							
Phantom Uncertainty	7.60	R	1.732	1	1	4.4	4.4
SAR correction	0.00	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.03	N	1	0.78	0.77	0.0	0.0
Liquid Conductivity (target)	5.00	R	1.732	0.78	0.77	2.3	2.2
Liquid Conductivity (mea.)	2.50	R	1.732	0.78	0.77	1.1	1.1
Temp. unc. - Conductivity	3.68	R	1.732	0.78	0.77	1.7	1.6
Liquid Permittivity Repeatability	0.02	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.00	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.50	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.84	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						14.5%	14.2%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.4%

Applicable for Power Density Measurements:

Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW ≤ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependance	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	2.00	R	1.732	1	1.15
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dep endent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT		R	1.732	1	
Combined Std. Uncertainty					1.34
Expanded STD Uncertainty (95%)					2.68

16. References

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