TEST REPORT

Applicant:	Technity Solutions Inc.
Address of Applicant:	500 Cochrane Dr. Unit 1 Markham ON L3R 8E2 Canada
Manufacturer:	Technity Solutions Inc.
Address of Manufacturer:	500 Cochrane Dr. Unit 1 Markham ON L3R 8E2 Canada
Equipment Under Test (EUT)	
Product Name:	Intelligent Wireless Access Point
Model No.:	TS-MWI3000CPRO, 1LAN-WAP-6
Trade Mark:	Technity SOLUTIONS
FCC ID:	2ATAZ-MWI3000CPRO
Applicable standards:	FCC CFR Title 47 Part 15 Subpart E Section 15.407
Date of sample receipt:	2023.04.24
Date of Test:	2023.05.15~2023.06.17
Date of report issue:	2023.06.20
Test Result :	PASS *

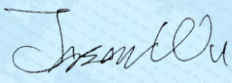
* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

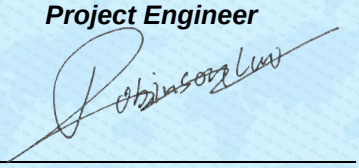
Robinson Luo
Laboratory Manager

2 Version

Version No.	Date	Description
00	*2023.06.20*	*Original*

Prepared By:  ***Date:*** *2023.06.20*

Project Engineer

Check By:  ***Date:*** *2023.06.20*

Reviewer

3 Contents

Page

4 Test Summary

Test Item	Section	Result
Antenna requirement	FCC part 15.203	PASS
AC Power Line Conducted Emission	FCC part 15.207	PASS
Emission Bandwidth	FCC part 15.407	PASS
Maximum Conducted Output Power	FCC part 15.407(a)(1)(2)	PASS
Power Spectral Density	FCC part 15.407(a)(1)(2)	PASS
Undesirable Emission	FCC part 15.407(b), 15.205/15.209	PASS
Radiated Emission	FCC part 15.205/15.209	PASS
Band Edge	FCC part 15.407(b)(1)(2)(3)	PASS

Remark:

Pass: The EUT complies with the essential requirements in the standard.

4.1 Measurement Uncertainty

Test Item	Measurement Uncertainty	Notes
Radiated Emission	3.1dB(9kHz-30MHz)	(1)
Radiated Emission	3.8039dB(30MHz-200MHz)	(1)
Radiated Emission	3.9679dB(200MHz-1GHz)	(1)
Radiated Emission	4.29dB(1GHz-18GHz)	(1)
Radiated Emission	3.30dB(18GHz-40GHz)	(1)
AC Power Line Conducted Emission	3.44dB(0.15MHz ~ 30MHz)	(1)
Occupied Bandwidth	±3%	(1)
RF conducted power	±0.75dB	(1)
RF power density	±3dB	(1)
Conducted Spurious emissions	±2.58dB	(1)
Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.		

5 General Information

5.1 General Description of EUT

Product Name:	Intelligent Wireless Access Point
Model No.:	TS-MWI3000CPRO, 1LAN-WAP-6
Test Model No.:	TS-MWI3000CPRO
Model difference	Only the model name is different
Test sample(s) ID:	GTSL2023060415-1
Sample(s) Status:	Engineer sample
S/N:	N/A
Operation Frequency:	5150MHz ~5250MHz 5250MHz ~5350MHz 5470MHz ~5725MHz 5725MHz ~5850MHz
Modulation technology:	OFDM, OFDMA
Antenna Type:	Internal Antenna
Antenna gain:	Ant1: 3.62dBi, Ant2: 4.67dBi
Power supply:	DC 57V from adapter or POE 48V

Channel Information			
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	802.11a /n /ac /ax (20MHz)	5180-5240	36-48
5250-5350		5260-5320	52-64
5470-5725		5500-5700	100-140
5725-5850		5745-5825	149-165
5150-5250	802.11n /ac /ax (40MHz)	5190-5230	38-46
5250-5350		5270-5310	54-62
5470-5725		5510-5670	102-134
5725-5850		5755-5795	151-159
5150-5250	802.11ac /ax (80MHz)	5210	42
5250-5350		5290	58
5470-5725		5530-5610	106-122
5725-5850		5775	155
5150-5350	802.11 ax (160MHz)	5250	50
5470-5725		5570	114

Note: For 802.11ax mode only support full RU mode.

5.2 Test mode

Transmitting mode	Keep the EUT in transmitting with modulation..

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	Data rate	Mode	Data rate
802.11a	6 Mbps	802.11n/ac/ax	MCS0

5.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC —Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

● **IC —Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing .

● **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.4 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

5.5 Description of Support Units

No.	Equipment	Manufacturer	Model	Series No
1	Power adapter	Ruijie	RG-DC4805-BA	/
2	Microcomputer	TY510S-07IAB	LENOVO	YLX2QPM7
3	Notebook	L450	Think	/

5.6 Deviation from Standards

None.

5.7 Additional Instructions

Power Setting value

No beamforming

Test Mode	Power Level Setting defined by Manufacturer							
	Test Software: QDART							
	Band	Value	Band	Value	Band	Value	Band	Value
11A-CDD	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15
11N20MIMO	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15
11N40MIMO	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15
11AC20MIMO	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15
11AC40MIMO	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15
11AC80MIMO	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15
11AX20MIMO	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15
11AX40MIMO	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15
11AX80MIMO	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15
11AX160MIMO	U-NII-1	15	U-NII-2A	15	U-NII-2C	15	U-NII-3	15

Beamforming

Test Mode	Power Level Setting defined by Manufacturer							
	Test Software: QDART							
	Band	Value	Band	Value	Band	Value	Band	Value
11A-CDD	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12
11N20MIMO	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12
11N40MIMO	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12
11AC20MIMO	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12
11AC40MIMO	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12
11AC80MIMO	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12
11AX20MIMO	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12
11AX40MIMO	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12
11AX80MIMO	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12
11AX160MIMO	U-NII-1	12	U-NII-2A	12	U-NII-2C	12	U-NII-3	12

6 Test Instruments list

Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	June 23, 2021	June 22, 2024
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	April 14, 2023	April 13, 2024
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	March 19, 2023	March 18, 2025
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	April 17, 2023	April 16, 2025
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Coaxial Cable	GTS	N/A	GTS213	April 21, 2023	April 20, 2024
8	Coaxial Cable	GTS	N/A	GTS211	April 21, 2023	April 20, 2024
9	Coaxial cable	GTS	N/A	GTS210	April 21, 2023	April 20, 2024
10	Coaxial Cable	GTS	N/A	GTS212	April 21, 2023	April 20, 2024
11	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	April 14, 2023	April 13, 2024
12	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 29, 2022	Nov. 28, 2023
13	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	April 14, 2023	April 13, 2024
14	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	April 14, 2023	April 13, 2024
15	Horn Antenna (18-26.5GHz)	/	UG-598A/U	GTS664	Oct. 30, 2022	Oct. 29, 2023
16	Horn Antenna (26.5-40GHz)	A.H Systems	SAS-573	GTS665	Oct. 30, 2022	Oct. 29, 2023
17	FSV·Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	March 13, 2023	March 12, 2024
18	Amplifier	/	LNA-1000-30S	GTS650	April 14, 2023	April 13, 2024
19	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS668	Dec. 20, 2022	Dec.19, 2023
20	Thermo meter	JINCHUANG	GSP-8A	GTS643	April 19, 2023	April 18, 2024

Conducted Emission						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	July 12, 2022	July 11, 2027
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 14, 2023	April 13, 2024
3	LISN	ROHDE & SCHWARZ	ENV216	GTS226	April 14, 2023	April 13, 2024
4	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
6	Thermo meter	JINCHUANG	GSP-8A	GTS642	April 19, 2023	April 18, 2024
7	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	April 14, 2023	April 13, 2024
8	ISN	SCHWARZBECK	NTFM 8158	GTS565	April 14, 2023	April 13, 2024
9	High voltage probe	SCHWARZBECK	TK9420	GTS537	April 14, 2023	April 13, 2024
10	Antenna end assembly	Weinschel	1870A	GTS560	April 14, 2023	April 13, 2024

RF Conducted Test:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Serial No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	April 14, 2023	April 13, 2024
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 14, 2023	April 13, 2024
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	April 14, 2023	April 13, 2024
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	April 14, 2023	April 13, 2024
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	April 14, 2023	April 13, 2024
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	April 14, 2023	April 13, 2024
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	April 14, 2023	April 13, 2024
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	April 14, 2023	April 13, 2024
9	Thermo meter	JINCHUANG	GSP-8A	GTS641	April 19, 2023	April 18, 2024

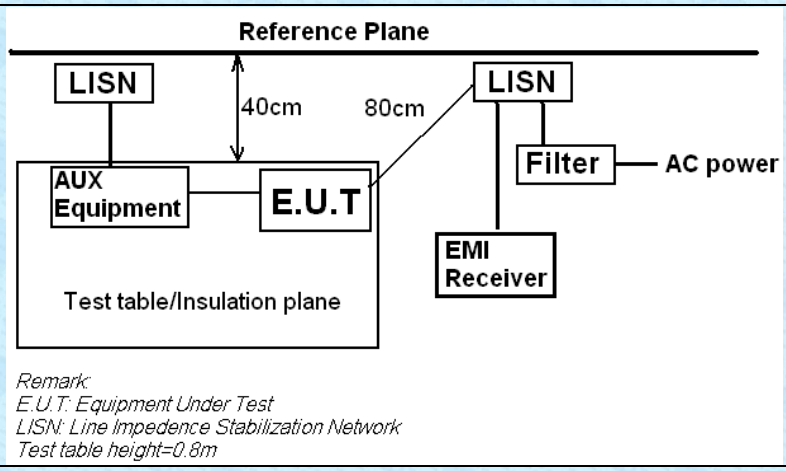
General used equipment:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Barometer	KUMAO	SF132	GTS647	April 19, 2023	April 18, 2024

7 Test results and Measurement Data

7.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
E.U.T Antenna:	
The antenna is Internal antenna, reference to the appendix II for details	

7.2 Conducted Emissions

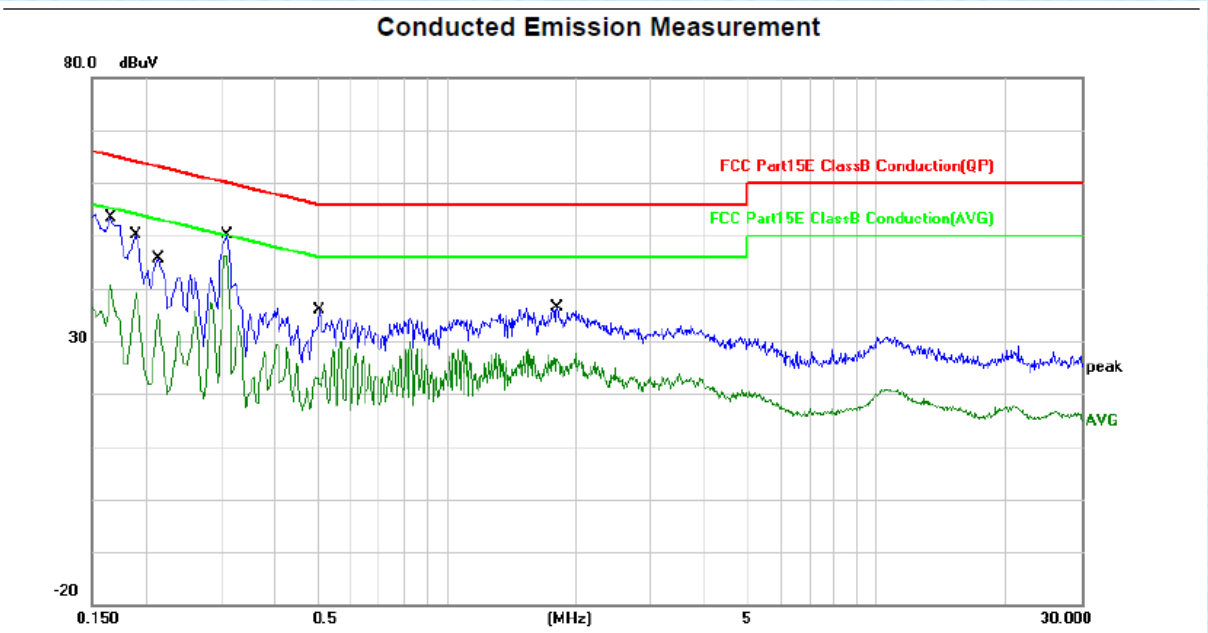
<table>
<tr><td>Test Requirement:</td><td colspan="6">FCC Part15 C Section 15.207</td></tr>
<tr><td>Test Method:</td><td colspan="6">ANSI C63.10:2013</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="6">150KHz to 30MHz</td></tr>
<tr><td>Class / Severity:</td><td colspan="6">Class B</td></tr>
<tr><td>Receiver setup:</td><td colspan="6">RBW=9KHz, VBW=30KHz</td></tr>
<tr><td>Limit:</td><td colspan="6"><table>
<tr><td rowspan="2">Frequency range (MHz)</td><td colspan="2">Limit (dBuV)</td></tr>
<tr><td>Quasi-peak</td><td>Average</td></tr>
<tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr>
<tr><td>0.5-5</td><td>56</td><td>46</td></tr>
<tr><td>5-30</td><td>60</td><td>50</td></tr>
</table>* Decreases with the logarithm of the frequency.</td></tr>
<tr><td>Test procedure</td><td colspan="6">The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.</td></tr>
<tr><td>Test setup:</td><td colspan="6"> 

Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m</td></tr>
<tr><td>Test Instruments:</td><td colspan="6">Refer to section 6.0 for details</td></tr>
<tr><td>Test mode:</td><td colspan="6">Refer to section 5.2 for details</td></tr>
<tr><td>Test environment:</td><td>Temp.:</td><td>23.3 °C</td><td>Humid.:</td><td>50%</td><td>Press.:</td><td>1011mbar</td></tr>
<tr><td>Test voltage:</td><td colspan="6">AC 120V, 60Hz</td></tr>
<tr><td>Test results:</td><td colspan="6">Pass</td></tr>
</table>

Measurement data:

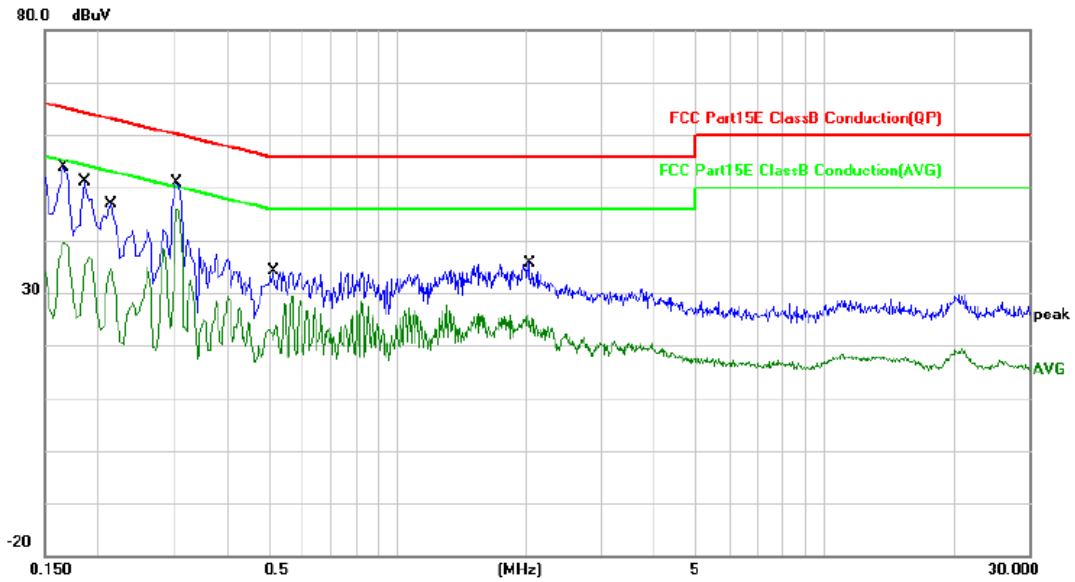
We only recorded the data of the worst mode. Please see the following:

Line:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3100	28.26	19.88	48.14	59.97	-11.83	QP	
2	*	0.3100	25.57	19.88	45.45	49.97	-4.52	AVG	
3		0.1900	28.72	19.88	48.60	64.04	-15.44	QP	
4		0.1900	16.55	19.88	36.43	54.04	-17.61	AVG	
5		0.1660	32.19	19.88	52.07	65.16	-13.09	QP	
6		0.1660	18.18	19.88	38.06	55.16	-17.10	AVG	
7		0.2140	24.17	19.88	44.05	63.05	-19.00	QP	
8		0.2140	13.14	19.88	33.02	53.05	-20.03	AVG	
9		0.5100	9.42	19.88	29.30	56.00	-26.70	QP	
10		0.5100	2.02	19.88	21.90	46.00	-24.10	AVG	
11		1.8100	11.16	19.90	31.06	56.00	-24.94	QP	
12		1.8100	4.66	19.90	24.56	46.00	-21.44	AVG	

Neutral:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1660	32.66	19.88	52.54	65.16	-12.62	QP	
2		0.1660	19.06	19.88	38.94	55.16	-16.22	AVG	
3		0.1860	26.42	19.88	46.30	64.21	-17.91	QP	
4		0.1860	13.98	19.88	33.86	54.21	-20.35	AVG	
5		0.2140	25.31	19.88	45.19	63.05	-17.86	QP	
6		0.2140	13.60	19.88	33.48	53.05	-19.57	AVG	
7		0.3060	28.78	19.88	48.66	60.08	-11.42	QP	
8	*	0.3060	26.56	19.88	46.44	50.08	-3.64	AVG	
9		0.5140	7.87	19.88	27.75	56.00	-28.25	QP	
10		0.5140	1.37	19.88	21.25	46.00	-24.75	AVG	
11		2.0420	10.82	19.91	30.73	56.00	-25.27	QP	
12		2.0420	5.10	19.91	25.01	46.00	-20.99	AVG	

Note:

Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.

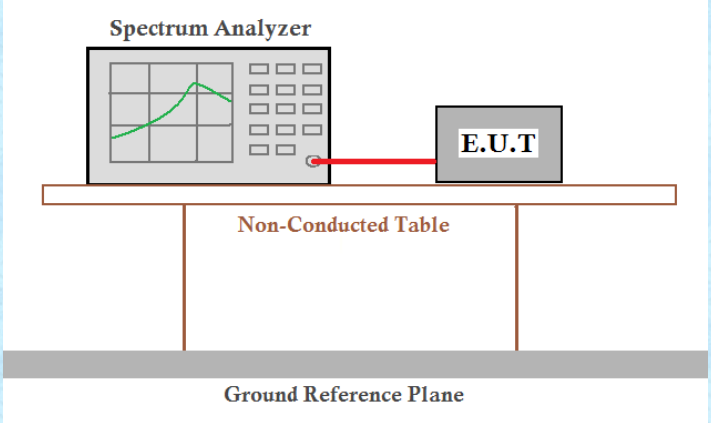
Measurement = Reading + Correct Factor.

Over = Measurement – Limit

Simultaneous transmitting: 2.4G Wifi transmitting + 5G Wifi transmitting

Worst Case Operating Mode: Simultaneous transmitting

7.3 Emission Bandwidth

Test Requirement :	FCC Part15 E Section 15.407
Test Method :	ANSI C63.10:2013 & KDB 789033 D02 v02r01
Limit:	N/A
Test setup:	
Test procedure:	According to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data:

26 dB Bandwidth

Test Mode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	18.640	5170.840	5189.480	---	---
	Ant2	5180	19.120	5170.320	5189.440	---	---
	Ant1	5200	18.400	5190.960	5209.360	---	---
	Ant2	5200	18.920	5190.240	5209.160	---	---
	Ant1	5240	18.400	5230.680	5249.080	---	---
	Ant2	5240	19.160	5230.880	5250.040	---	---
	Ant1	5260	18.720	5250.560	5269.280	---	---
	Ant2	5260	18.480	5250.560	5269.040	---	---
	Ant1	5280	18.400	5270.920	5289.320	---	---
	Ant2	5280	18.720	5270.560	5289.280	---	---
	Ant1	5320	18.640	5310.760	5329.400	---	---
	Ant2	5320	18.280	5310.880	5329.160	---	---
	Ant1	5500	18.400	5490.880	5509.280	---	---
	Ant2	5500	18.720	5490.480	5509.200	---	---
	Ant1	5580	18.520	5570.720	5589.240	---	---
	Ant2	5580	18.200	5570.520	5588.720	---	---
	Ant1	5700	18.720	5690.600	5709.320	---	---
	Ant2	5700	19.000	5690.520	5709.520	---	---
	Ant1	5745	18.360	5735.840	5754.200	---	---
	Ant2	5745	18.480	5735.880	5754.360	---	---
	Ant1	5785	19.640	5774.840	5794.480	---	---
	Ant2	5785	18.520	5775.960	5794.480	---	---
	Ant1	5825	18.520	5815.840	5834.360	---	---
	Ant2	5825	18.600	5815.760	5834.360	---	---
11N20MIMO	Ant1	5180	19.240	5170.400	5189.640	---	---

	Ant2	5180	19.840	5169.960	5189.800	---	---
	Ant1	5200	19.760	5190.080	5209.840	---	---
	Ant2	5200	19.200	5190.320	5209.520	---	---
	Ant1	5240	19.560	5230.440	5250.000	---	---
	Ant2	5240	19.480	5230.320	5249.800	---	---
	Ant1	5260	19.520	5250.400	5269.920	---	---
	Ant2	5260	19.840	5249.640	5269.480	---	---
	Ant1	5280	19.720	5270.160	5289.880	---	---
	Ant2	5280	19.600	5270.200	5289.800	---	---
	Ant1	5320	19.440	5310.280	5329.720	---	---
	Ant2	5320	19.920	5309.920	5329.840	---	---
	Ant1	5500	19.840	5490.000	5509.840	---	---
	Ant2	5500	19.240	5490.320	5509.560	---	---
	Ant1	5580	20.320	5569.880	5590.200	---	---
	Ant2	5580	19.640	5570.160	5589.800	---	---
	Ant1	5700	20.440	5689.960	5710.400	---	---
	Ant2	5700	20.520	5689.360	5709.880	---	---
	Ant1	5745	19.200	5735.320	5754.520	---	---
	Ant2	5745	20.320	5734.920	5755.240	---	---
	Ant1	5785	20.280	5775.160	5795.440	---	---
	Ant2	5785	19.880	5774.840	5794.720	---	---
	Ant1	5825	19.640	5815.040	5834.680	---	---
	Ant2	5825	20.480	5814.920	5835.400	---	---
11N40MIMO	Ant1	5190	39.440	5170.160	5209.600	---	---
	Ant2	5190	38.960	5170.400	5209.360	---	---
	Ant1	5230	39.120	5210.320	5249.440	---	---
	Ant2	5230	38.640	5210.880	5249.520	---	---
	Ant1	5270	38.560	5250.720	5289.280	---	---
	Ant2	5270	38.960	5250.720	5289.680	---	---
	Ant1	5310	39.120	5290.160	5329.280	---	---
	Ant2	5310	38.480	5290.720	5329.200	---	---
	Ant1	5510	39.280	5490.160	5529.440	---	---
	Ant2	5510	39.120	5490.240	5529.360	---	---
	Ant1	5550	38.480	5530.720	5569.200	---	---
	Ant2	5550	38.880	5530.560	5569.440	---	---
	Ant1	5670	38.800	5650.400	5689.200	---	---
	Ant2	5670	38.080	5651.120	5689.200	---	---
	Ant1	5755	38.880	5735.640	5774.520	---	---
	Ant2	5755	38.560	5735.720	5774.280	---	---
	Ant1	5795	38.960	5775.320	5814.280	---	---
	Ant2	5795	38.560	5775.560	5814.120	---	---
11AC20MIMO	Ant1	5180	19.920	5169.920	5189.840	---	---
	Ant2	5180	19.280	5170.400	5189.680	---	---
	Ant1	5200	19.720	5190.200	5209.920	---	---
	Ant2	5200	19.680	5190.360	5210.040	---	---
	Ant1	5240	20.280	5229.560	5249.840	---	---
	Ant2	5240	19.960	5230.000	5249.960	---	---
	Ant1	5260	19.760	5250.120	5269.880	---	---
	Ant2	5260	19.280	5250.320	5269.600	---	---
	Ant1	5280	19.720	5270.000	5289.720	---	---
	Ant2	5280	19.520	5270.160	5289.680	---	---
	Ant1	5320	19.840	5310.000	5329.840	---	---
	Ant2	5320	19.240	5310.520	5329.760	---	---
	Ant1	5500	19.760	5489.960	5509.720	---	---
	Ant2	5500	20.080	5490.040	5510.120	---	---
	Ant1	5580	19.120	5570.560	5589.680	---	---
	Ant2	5580	19.560	5570.160	5589.720	---	---
	Ant1	5700	20.240	5689.520	5709.760	---	---
	Ant2	5700	20.080	5689.880	5709.960	---	---
	Ant1	5745	20.040	5735.000	5755.040	---	---
	Ant2	5745	19.800	5735.320	5755.120	---	---
	Ant1	5785	19.840	5775.200	5795.040	---	---
	Ant2	5785	19.640	5775.160	5794.800	---	---

	Ant1	5825	19.880	5815.080	5834.960	---	---
	Ant2	5825	19.720	5815.280	5835.000	---	---
11AC40MIMO	Ant1	5190	39.040	5170.480	5209.520	---	---
	Ant2	5190	38.800	5170.480	5209.280	---	---
	Ant1	5230	38.960	5210.560	5249.520	---	---
	Ant2	5230	38.880	5210.400	5249.280	---	---
	Ant1	5270	39.200	5250.080	5289.280	---	---
	Ant2	5270	38.320	5250.720	5289.040	---	---
	Ant1	5310	38.640	5290.720	5329.360	---	---
	Ant2	5310	38.880	5290.800	5329.680	---	---
	Ant1	5510	39.120	5490.320	5529.440	---	---
	Ant2	5510	38.240	5490.720	5528.960	---	---
	Ant1	5550	38.800	5530.480	5569.280	---	---
	Ant2	5550	38.320	5530.880	5569.200	---	---
	Ant1	5670	39.280	5650.000	5689.280	---	---
	Ant2	5670	38.560	5650.560	5689.120	---	---
	Ant1	5755	39.280	5735.480	5774.760	---	---
	Ant2	5755	38.160	5735.880	5774.040	---	---
	Ant1	5795	38.880	5775.640	5814.520	---	---
	Ant2	5795	39.360	5774.920	5814.280	---	---
11AC80MIMO	Ant1	5210	79.200	5170.480	5249.680	---	---
	Ant2	5210	79.200	5170.640	5249.840	---	---
	Ant1	5290	80.000	5250.160	5330.160	---	---
	Ant2	5290	79.360	5250.160	5329.520	---	---
	Ant1	5530	79.520	5490.160	5569.680	---	---
	Ant2	5530	79.520	5490.320	5569.840	---	---
	Ant1	5610	80.320	5569.520	5649.840	---	---
	Ant2	5610	80.160	5569.840	5650.000	---	---
	Ant1	5775	79.360	5735.320	5814.680	---	---
	Ant2	5775	79.360	5735.000	5814.360	---	---
11AX20MIMO	Ant1	5180	20.040	5170.040	5190.080	---	---
	Ant2	5180	19.560	5170.200	5189.760	---	---
	Ant1	5200	19.800	5190.160	5209.960	---	---
	Ant2	5200	20.600	5189.320	5209.920	---	---
	Ant1	5240	20.280	5229.760	5250.040	---	---
	Ant2	5240	20.640	5229.680	5250.320	---	---
	Ant1	5260	20.280	5250.040	5270.320	---	---
	Ant2	5260	19.960	5250.000	5269.960	---	---
	Ant1	5280	20.280	5269.960	5290.240	---	---
	Ant2	5280	20.120	5269.760	5289.880	---	---
	Ant1	5320	20.280	5309.680	5329.960	---	---
	Ant2	5320	20.240	5309.960	5330.200	---	---
	Ant1	5500	20.240	5489.920	5510.160	---	---
	Ant2	5500	20.560	5489.400	5509.960	---	---
	Ant1	5580	20.440	5569.960	5590.400	---	---
	Ant2	5580	19.920	5569.960	5589.880	---	---
	Ant1	5700	20.760	5689.640	5710.400	---	---
	Ant2	5700	20.440	5689.640	5710.080	---	---
	Ant1	5745	19.920	5735.000	5754.920	---	---
	Ant2	5745	20.160	5734.880	5755.040	---	---
	Ant1	5785	20.360	5774.760	5795.120	---	---
	Ant2	5785	19.880	5775.080	5794.960	---	---
	Ant1	5825	19.880	5814.880	5834.760	---	---
	Ant2	5825	19.960	5815.040	5835.000	---	---
11AX40MIMO	Ant1	5190	39.520	5170.240	5209.760	---	---
	Ant2	5190	39.520	5170.240	5209.760	---	---
	Ant1	5230	39.360	5210.160	5249.520	---	---
	Ant2	5230	39.520	5210.000	5249.520	---	---
	Ant1	5270	39.280	5250.400	5289.680	---	---
	Ant2	5270	39.600	5250.240	5289.840	---	---
	Ant1	5310	40.160	5289.680	5329.840	---	---
	Ant2	5310	39.760	5289.760	5329.520	---	---
	Ant1	5510	39.440	5490.240	5529.680	---	---

	Ant2	5510	39.840	5489.760	5529.600	---	---
	Ant1	5550	39.520	5530.320	5569.840	---	---
	Ant2	5550	39.840	5529.760	5569.600	---	---
	Ant1	5670	39.760	5650.080	5689.840	---	---
	Ant2	5670	39.520	5650.080	5689.600	---	---
	Ant1	5755	39.200	5735.320	5774.520	---	---
	Ant2	5755	39.680	5735.320	5775.000	---	---
	Ant1	5795	39.920	5775.000	5814.920	---	---
	Ant2	5795	39.920	5775.000	5814.920	---	---
11AX80MIMO	Ant1	5210	79.840	5170.160	5250.000	---	---
	Ant2	5210	80.640	5169.200	5249.840	---	---
	Ant1	5290	80.800	5249.520	5330.320	---	---
	Ant2	5290	80.160	5249.680	5329.840	---	---
	Ant1	5530	80.320	5489.520	5569.840	---	---
	Ant2	5530	80.160	5489.840	5570.000	---	---
	Ant1	5610	80.320	5569.520	5649.840	---	---
	Ant2	5610	80.320	5569.680	5650.000	---	---
	Ant1	5775	79.840	5735.000	5814.840	---	---
	Ant2	5775	80.160	5735.000	5815.160	---	---
11AX160MIMO	Ant1	5250	163.520	5167.440	5330.960	---	---
	Ant1	5250_UNII-1	82.56	5167.440	5250	---	---
	Ant1	5250_UNII-2A	80.96	5250	5330.960	---	---
	Ant2	5250	161.920	5169.360	5331.280	---	---
	Ant2	5250_UNII-1	80.64	5169.360	5250	---	---
	Ant2	5250_UNII-2A	81.28	5250	5331.280	---	---
	Ant1	5570	161.600	5489.040	5650.640	---	---
	Ant2	5570	161.600	5489.040	5650.640	---	---