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-MWO2400C; 1LAN-WAP-6X
Trade Mark:	Technity SOLUTIONS
FCC ID:	2ATAZ-MWO2400C
Applicable standards:	FCC CFR Title 47 Part 15 Subpart E Section 15.407
Date of sample receipt:	2023.04.03
Date of Test:	2023.04.18~2023.06.28
Date of report issue:	2023.06.29
Test Result :	PASS *

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

Authorized Signature:

Robinson Luo
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	*2023.06.29*	*Original*

Prepared By: ***Date:*** *2023.06.29*

Project Engineer

Check By: ***Date:*** *2023.06.29*

Reviewer

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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-MWO2400C; 1LAN-WAP-6X
Test Model No.:	TS-MWO2400C
Model difference	Only the model name is different
Test sample(s) ID:	GTSL2023060416-1
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: 9.0dBi, Ant2: 9.0dBi
Power supply:	DC 57V from adapter or POE 48V

Note:
1. Antenna gain information provided by the customer
2. The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.

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.

● **ISED—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 ISED 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: accessMTool_REL_3_3_0_2							
	Band	Value	Band	Value	Band	Value	Band	Value
11A-CDD	U-NII-1	24	U-NII-2A	44	U-NII-2C	40	U-NII-3	40
11N20MIMO	U-NII-1	24	U-NII-2A	44	U-NII-2C	40	U-NII-3	40
11N40MIMO	U-NII-1	28	U-NII-2A	40	U-NII-2C	40	U-NII-3	40
11AC20MIMO	U-NII-1	24	U-NII-2A	44	U-NII-2C	40	U-NII-3	40
11AC40MIMO	U-NII-1	28	U-NII-2A	40	U-NII-2C	40	U-NII-3	40
11AC80MIMO	U-NII-1	28	U-NII-2A	44	U-NII-2C	44	U-NII-3	40
11AX20MIMO	U-NII-1	24	U-NII-2A	44	U-NII-2C	40	U-NII-3	40
11AX40MIMO	U-NII-1	28	U-NII-2A	44	U-NII-2C	40	U-NII-3	40
11AX80MIMO	U-NII-1	28	U-NII-2A	40	U-NII-2C	40	U-NII-3	40
11AX160MIMO	U-NII-1	30	U-NII-2A	/	U-NII-2C	30	U-NII-3	/

Beamforming

Test Mode	Power Level Setting defined by Manufacturer							
	Test Software: accessMTool_REL_3_3_0_2							
	Band	Value	Band	Value	Band	Value	Band	Value
11A-CDD	U-NII-1	14	U-NII-2A	34	U-NII-2C	30	U-NII-3	30
11N20MIMO	U-NII-1	14	U-NII-2A	34	U-NII-2C	30	U-NII-3	30
11N40MIMO	U-NII-1	18	U-NII-2A	30	U-NII-2C	30	U-NII-3	30
11AC20MIMO	U-NII-1	14	U-NII-2A	34	U-NII-2C	30	U-NII-3	30
11AC40MIMO	U-NII-1	18	U-NII-2A	30	U-NII-2C	30	U-NII-3	30
11AC80MIMO	U-NII-1	18	U-NII-2A	34	U-NII-2C	34	U-NII-3	30
11AX20MIMO	U-NII-1	14	U-NII-2A	34	U-NII-2C	30	U-NII-3	30
11AX40MIMO	U-NII-1	18	U-NII-2A	34	U-NII-2C	30	U-NII-3	30
11AX80MIMO	U-NII-1	18	U-NII-2A	30	U-NII-2C	30	U-NII-3	30
11AX160MIMO	U-NII-1	20	U-NII-2A	/	U-NII-2C	20	U-NII-3	/

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

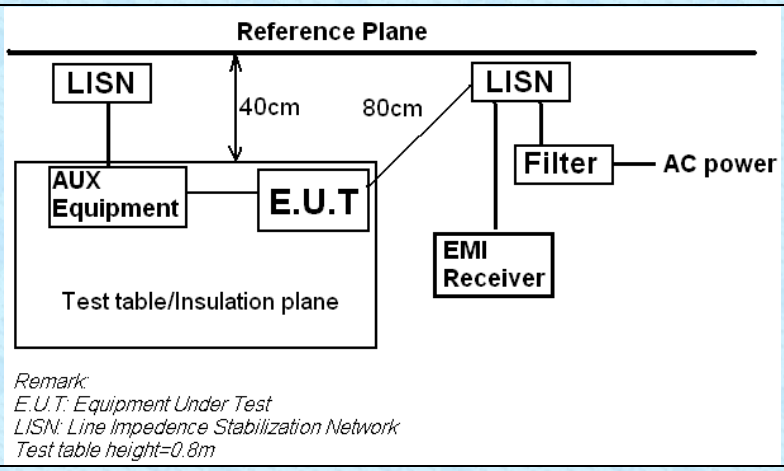
General used equipment:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Barometer	KUMAO	SF132	GTS647	April 19, 2023	April 18, 2024

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	

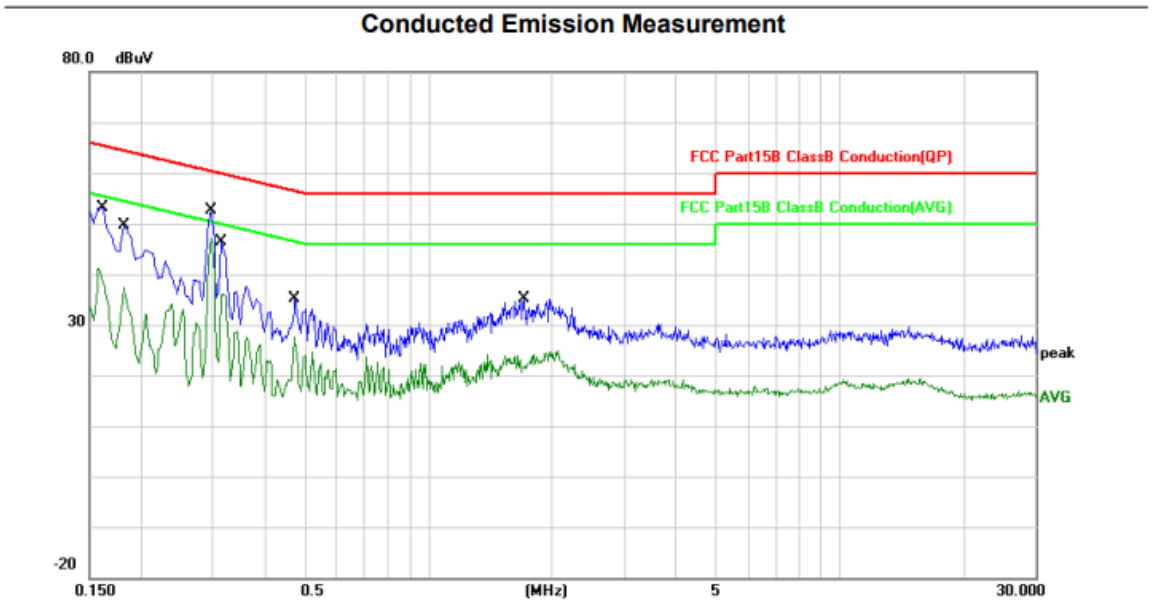
7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Class / Severity:	Class B
Receiver setup:	RBW=9KHz, VBW=30KHz
Limit:	Frequency range (MHz) / Limit (dBuV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 5-30: 60 / 50 * Decreases with the logarithm of the frequency.
Test procedure	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.
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test environment:	Temp.: 23.3 °C / Humid.: 50% / Press.: 1011mbar
Test voltage:	AC 120V, 60Hz
Test results:	Pass

Measurement data:

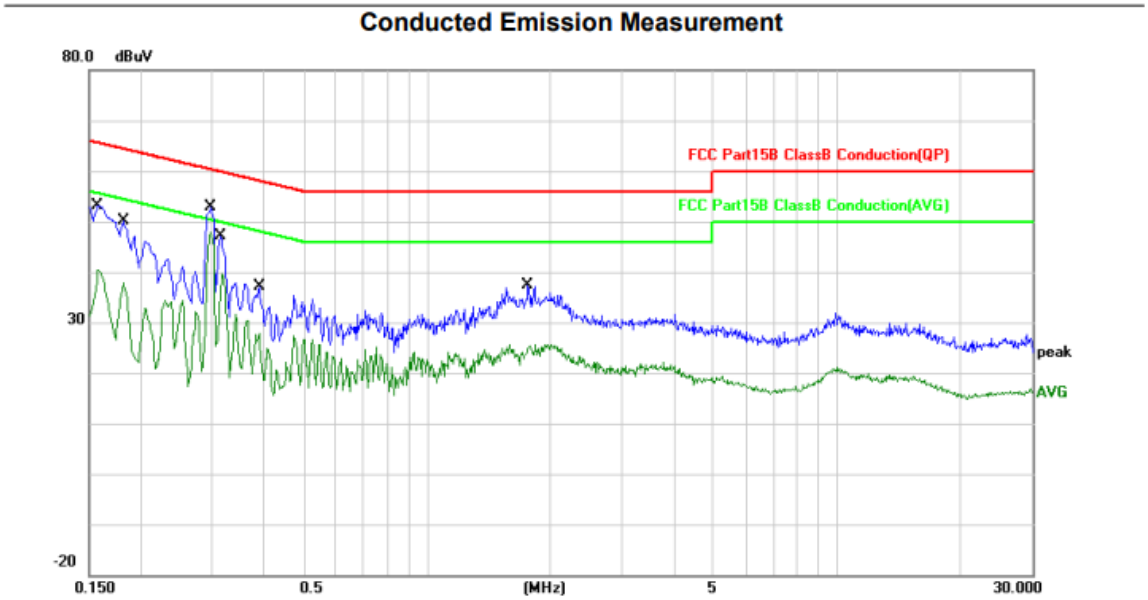
We only recorded the data of the worst mode. Please see the following:

Line:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1620	31.32	19.88	51.20	65.36	-14.16	QP	
2		0.1620	18.28	19.88	38.16	55.36	-17.20	AVG	
3		0.1820	28.27	19.88	48.15	64.39	-16.24	QP	
4		0.1820	16.07	19.88	35.95	54.39	-18.44	AVG	
5		0.2980	31.35	19.88	51.23	60.30	-9.07	QP	
6	*	0.2980	24.75	19.88	44.63	50.30	-5.67	AVG	
7		0.3140	24.57	19.88	44.45	59.86	-15.41	QP	
8		0.3140	14.96	19.88	34.84	49.86	-15.02	AVG	
9		0.4740	11.48	19.88	31.36	56.44	-25.08	QP	
10		0.4740	7.55	19.88	27.43	46.44	-19.01	AVG	
11		1.7100	7.72	19.90	27.62	56.00	-28.38	QP	
12		1.7100	1.21	19.90	21.11	46.00	-24.89	AVG	

Neutral:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1580	32.42	19.88	52.30	65.57	-13.27	QP	
2		0.1580	19.70	19.88	39.58	55.57	-15.99	AVG	
3		0.1820	28.49	19.88	48.37	64.39	-16.02	QP	
4		0.1820	17.18	19.88	37.06	54.39	-17.33	AVG	
5		0.2980	31.63	19.88	51.51	60.30	-8.79	QP	
6	*	0.2980	26.73	19.88	46.61	50.30	-3.69	AVG	
7		0.3140	24.53	19.88	44.41	59.86	-15.45	QP	
8		0.3140	17.29	19.88	37.17	49.86	-12.69	AVG	
9		0.3900	13.60	19.88	33.48	58.06	-24.58	QP	
10		0.3900	7.49	19.88	27.37	48.06	-20.69	AVG	
11		1.7700	10.19	19.90	30.09	56.00	-25.91	QP	
12		1.7700	4.16	19.90	24.06	46.00	-21.94	AVG	

Note:

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

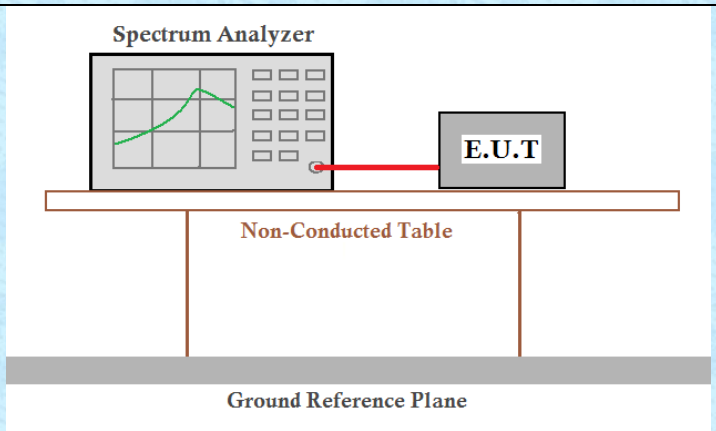
Measurement = Reading + Correct Factor.

Over = Measurement – Limit

Simultaneous transmitting: 2.4G Wifi transmitting + 5G Wifi transmitting + BLE 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	21.120	5169.440	5190.560	---	---
	Ant2	5180	20.680	5169.480	5190.160	---	---
	Ant1	5200	20.520	5189.720	5210.240	---	---
	Ant2	5200	20.720	5189.560	5210.280	---	---
	Ant1	5240	21.120	5229.440	5250.560	---	---
	Ant2	5240	20.760	5229.400	5250.160	---	---
	Ant1	5260	20.960	5249.600	5270.560	---	---
	Ant2	5260	20.760	5249.520	5270.280	---	---
	Ant1	5280	21.120	5269.560	5290.680	---	---
	Ant2	5280	21.040	5269.240	5290.280	---	---
	Ant1	5320	20.760	5309.720	5330.480	---	---
	Ant2	5320	20.840	5309.440	5330.280	---	---
	Ant1	5500	21.040	5489.480	5510.520	---	---
	Ant2	5500	20.840	5489.400	5510.240	---	---
	Ant1	5580	20.680	5569.680	5590.360	---	---
	Ant2	5580	20.120	5569.880	5590.000	---	---
	Ant1	5700	20.760	5689.680	5710.440	---	---
	Ant2	5700	20.800	5689.280	5710.080	---	---
	Ant1	5745	20.720	5734.720	5755.440	---	---
	Ant2	5745	20.440	5734.880	5755.320	---	---
	Ant1	5785	20.920	5774.480	5795.400	---	---
	Ant2	5785	20.840	5774.520	5795.360	---	---
	Ant1	5825	20.840	5814.480	5835.320	---	---
	Ant2	5825	20.600	5814.440	5835.040	---	---
11N20MIMO	Ant1	5180	21.160	5169.440	5190.600	---	---

	Ant2	5180	21.360	5169.160	5190.520	---	---
	Ant1	5200	21.120	5189.440	5210.560	---	---
	Ant2	5200	20.720	5189.640	5210.360	---	---
	Ant1	5240	21.160	5229.320	5250.480	---	---
	Ant2	5240	20.840	5229.720	5250.560	---	---
	Ant1	5260	21.320	5249.360	5270.680	---	---
	Ant2	5260	21.120	5249.360	5270.480	---	---
	Ant1	5280	21.160	5269.320	5290.480	---	---
	Ant2	5280	20.880	5269.400	5290.280	---	---
	Ant1	5320	21.040	5309.440	5330.480	---	---
	Ant2	5320	20.880	5309.360	5330.240	---	---
	Ant1	5500	20.680	5489.600	5510.280	---	---
	Ant2	5500	20.920	5489.360	5510.280	---	---
	Ant1	5580	21.160	5569.480	5590.640	---	---
	Ant2	5580	20.880	5569.480	5590.360	---	---
	Ant1	5700	21.000	5689.600	5710.600	---	---
	Ant2	5700	21.040	5689.480	5710.520	---	---
	Ant1	5745	20.880	5734.320	5755.200	---	---
	Ant2	5745	21.200	5734.480	5755.680	---	---
	Ant1	5785	21.160	5774.440	5795.600	---	---
	Ant2	5785	20.800	5774.520	5795.320	---	---
	Ant1	5825	21.320	5814.400	5835.720	---	---
	Ant2	5825	21.000	5814.560	5835.560	---	---
11N40MIMO	Ant1	5190	39.440	5170.160	5209.600	---	---
	Ant2	5190	38.400	5170.800	5209.200	---	---
	Ant1	5230	38.640	5210.800	5249.440	---	---
	Ant2	5230	38.480	5210.560	5249.040	---	---
	Ant1	5270	39.200	5250.400	5289.600	---	---
	Ant2	5270	38.640	5250.560	5289.200	---	---
	Ant1	5310	39.440	5290.240	5329.680	---	---
	Ant2	5310	38.880	5290.240	5329.120	---	---
	Ant1	5510	39.040	5490.240	5529.280	---	---
	Ant2	5510	38.960	5490.480	5529.440	---	---
	Ant1	5550	39.360	5530.080	5569.440	---	---
	Ant2	5550	38.880	5530.320	5569.200	---	---
	Ant1	5670	38.960	5650.720	5689.680	---	---
	Ant2	5670	38.720	5650.320	5689.040	---	---
	Ant1	5755	38.960	5735.400	5774.360	---	---
	Ant2	5755	38.880	5735.560	5774.440	---	---
	Ant1	5795	39.120	5775.400	5814.520	---	---
	Ant2	5795	39.120	5775.320	5814.440	---	---
11AC20MIMO	Ant1	5180	21.200	5169.200	5190.400	---	---
	Ant2	5180	21.040	5169.360	5190.400	---	---
	Ant1	5200	21.400	5189.160	5210.560	---	---
	Ant2	5200	20.880	5189.560	5210.440	---	---
	Ant1	5240	21.320	5229.320	5250.640	---	---
	Ant2	5240	20.840	5229.520	5250.360	---	---
	Ant1	5260	21.280	5249.400	5270.680	---	---
	Ant2	5260	20.960	5249.520	5270.480	---	---
	Ant1	5280	21.240	5269.280	5290.520	---	---
	Ant2	5280	21.200	5269.360	5290.560	---	---
	Ant1	5320	21.400	5309.200	5330.600	---	---
	Ant2	5320	21.480	5309.240	5330.720	---	---
	Ant1	5500	21.280	5489.280	5510.560	---	---
	Ant2	5500	21.320	5489.240	5510.560	---	---
	Ant1	5580	21.120	5569.360	5590.480	---	---
	Ant2	5580	21.080	5569.440	5590.520	---	---
	Ant1	5700	21.120	5689.240	5710.360	---	---
	Ant2	5700	21.040	5689.480	5710.520	---	---
	Ant1	5745	21.240	5734.240	5755.480	---	---
	Ant2	5745	21.360	5734.520	5755.880	---	---
	Ant1	5785	21.280	5774.320	5795.600	---	---
	Ant2	5785	20.960	5774.520	5795.480	---	---

	Ant1	5825	21.240	5814.240	5835.480	---	---
	Ant2	5825	21.000	5814.480	5835.480	---	---
11AC40MIMO	Ant1	5190	39.680	5170.000	5209.680	---	---
	Ant2	5190	39.760	5170.000	5209.760	---	---
	Ant1	5230	39.840	5210.000	5249.840	---	---
	Ant2	5230	38.720	5210.560	5249.280	---	---
	Ant1	5270	39.680	5249.920	5289.600	---	---
	Ant2	5270	39.920	5249.920	5289.840	---	---
	Ant1	5310	39.920	5290.080	5330.000	---	---
	Ant2	5310	39.120	5290.640	5329.760	---	---
	Ant1	5510	39.680	5490.160	5529.840	---	---
	Ant2	5510	39.360	5489.920	5529.280	---	---
	Ant1	5550	39.440	5530.160	5569.600	---	---
	Ant2	5550	38.880	5530.400	5569.280	---	---
	Ant1	5670	39.520	5650.320	5689.840	---	---
	Ant2	5670	39.520	5650.000	5689.520	---	---
	Ant1	5755	39.200	5735.160	5774.360	---	---
	Ant2	5755	39.680	5735.240	5774.920	---	---
	Ant1	5795	39.920	5774.920	5814.840	---	---
	Ant2	5795	39.120	5775.560	5814.680	---	---
11AC80MIMO	Ant1	5210	81.280	5169.360	5250.640	---	---
	Ant2	5210	81.280	5169.040	5250.320	---	---
	Ant1	5290	80.960	5249.680	5330.640	---	---
	Ant2	5290	80.960	5249.200	5330.160	---	---
	Ant1	5530	80.960	5489.840	5570.800	---	---
	Ant2	5530	80.640	5489.680	5570.320	---	---
	Ant1	5610	81.120	5569.520	5650.640	---	---
	Ant2	5610	80.160	5569.520	5649.680	---	---
	Ant1	5775	80.320	5734.680	5815.000	---	---
	Ant2	5775	80.960	5734.360	5815.320	---	---
11AX20MIMO	Ant1	5180	21.520	5169.080	5190.600	---	---
	Ant2	5180	21.520	5169.160	5190.680	---	---
	Ant1	5200	21.360	5189.320	5210.680	---	---
	Ant2	5200	21.120	5189.280	5210.400	---	---
	Ant1	5240	21.160	5229.400	5250.560	---	---
	Ant2	5240	21.080	5229.440	5250.520	---	---
	Ant1	5260	20.960	5249.480	5270.440	---	---
	Ant2	5260	21.080	5249.360	5270.440	---	---
	Ant1	5280	21.320	5269.280	5290.600	---	---
	Ant2	5280	21.320	5269.240	5290.560	---	---
	Ant1	5320	21.400	5309.160	5330.560	---	---
	Ant2	5320	21.040	5309.480	5330.520	---	---
	Ant1	5500	21.120	5489.400	5510.520	---	---
	Ant2	5500	21.040	5489.440	5510.480	---	---
	Ant1	5580	20.640	5569.480	5590.120	---	---
	Ant2	5580	21.480	5569.080	5590.560	---	---
	Ant1	5700	21.040	5689.520	5710.560	---	---
	Ant2	5700	21.120	5689.440	5710.560	---	---
	Ant1	5745	20.760	5734.520	5755.280	---	---
	Ant2	5745	21.360	5734.240	5755.600	---	---
	Ant1	5785	20.960	5774.520	5795.480	---	---
	Ant2	5785	21.040	5774.440	5795.480	---	---
	Ant1	5825	21.320	5814.360	5835.680	---	---
	Ant2	5825	20.960	5814.480	5835.440	---	---
11AX40MIMO	Ant1	5190	39.600	5170.240	5209.840	---	---
	Ant2	5190	39.600	5170.080	5209.680	---	---
	Ant1	5230	39.440	5210.160	5249.600	---	---
	Ant2	5230	39.440	5210.320	5249.760	---	---
	Ant1	5270	39.600	5250.000	5289.600	---	---
	Ant2	5270	39.600	5250.240	5289.840	---	---
	Ant1	5310	39.920	5290.080	5330.000	---	---
	Ant2	5310	39.520	5290.240	5329.760	---	---
	Ant1	5510	39.520	5490.080	5529.600	---	---

	Ant2	5510	39.440	5490.320	5529.760	---	---
	Ant1	5550	39.280	5530.320	5569.600	---	---
	Ant2	5550	39.280	5530.240	5569.520	---	---
	Ant1	5670	39.840	5650.080	5689.920	---	---
	Ant2	5670	39.280	5650.400	5689.680	---	---
	Ant1	5755	39.440	5735.080	5774.520	---	---
	Ant2	5755	39.040	5735.400	5774.440	---	---
	Ant1	5795	39.760	5775.240	5815.000	---	---
	Ant2	5795	39.200	5775.400	5814.600	---	---
11AX80MIMO	Ant1	5210	80.640	5169.200	5249.840	---	---
	Ant2	5210	80.320	5170.000	5250.320	---	---
	Ant1	5290	80.160	5249.840	5330.000	---	---
	Ant2	5290	80.000	5249.840	5329.840	---	---
	Ant1	5530	80.320	5489.680	5570.000	---	---
	Ant2	5530	80.640	5489.680	5570.320	---	---
	Ant1	5610	80.320	5569.520	5649.840	---	---
	Ant2	5610	80.640	5569.520	5650.160	---	---
	Ant1	5775	80.640	5734.360	5815.000	---	---
	Ant2	5775	80.480	5735.000	5815.480	---	---
11AX160MIMO	Ant1	5250	162.240	5168.400	5330.640	---	---
	Ant2	5250	162.240	5168.400	5330.640	---	---
	Ant1	5250_UNII-1	81.6	5168.400	5250	---	---
	Ant2	5250_UNII-1	81.6	5168.400	5250	---	---
	Ant1	5250_UNII-2A	80.64	5250	5330.640	---	---
	Ant2	5250_UNII-2A	80.64	5250	5330.640	---	---
	Ant1	5570	161.280	5489.360	5650.640	---	---
	Ant2	5570	161.920	5489.040	5650.960	---	---

11A-CDD_Ant1_5180

11A-CDD_Ant2_5180

11A-CDD_Ant1_5200

11A-CDD_Ant2_5200

11A-CDD_Ant1_5240

11A-CDD_Ant2_5240

11A-CDD_Ant1_5260

11A-CDD_Ant2_5260

11A-CDD_Ant1_5280

11A-CDD_Ant2_5280

11A-CDD_Ant1_5320

11A-CDD_Ant2_5320

11A-CDD_Ant1_5500

11A-CDD_Ant2_5500

11A-CDD_Ant1_5580

11A-CDD_Ant2_5580

11A-CDD_Ant1_5700

11A-CDD_Ant2_5700

11A-CDD_Ant1_5745

11A-CDD_Ant2_5745

11A-CDD_Ant1_5785

11A-CDD_Ant2_5785

11A-CDD_Ant1_5825

11A-CDD_Ant2_5825

11N20MIMO_Ant1_5180

11N20MIMO_Ant2_5180