Shenzhen Most Technology Service Co., Ltd.
No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

FCC PART 15 SUBPART C TEST REPORT

FCC PART 15 SUBPART E 15.407

Report Reference No..... :	**MTEB24090294-R3**
FCC ID..... :	**2BKIN-BLUVY10**
Compiled by (position+printed name+signature).. :	File administrators Alisa Luo
Supervised by (position+printed name+signature).. :	Test Engineer Sunny Deng
Approved by (position+printed name+signature).. :	Manager Yvette Zhou
Date of issue..... :	**Sep. 24,2024**
Representative Laboratory Name. :	**Shenzhen Most Technology Service Co., Ltd.**
Address..... :	No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.
Applicant's name..... :	**Amazonia Enterprises LLC.**
Address..... :	450 Sheringham Terrace, Roswell, GA 30076, United States
Test specification..... **:**	
Standard..... :	**FCC Part 15 Subpart E 15.407**

Test item description.....:	Bluvy
Trade Mark..... :	N/A
Model/Type reference..... :	Bluvy 1.0
Listed Models ..... :	N/A
Ratings..... :	DC 3.8V by Battery DC 5V by USB Port
Modulation ..... :	OFDM
Frequency.....	From 5180MHz-5240MHz；5260MHz-5320MHz； 5500MHz-5700MHz；5745MHz-5825MHz
Hardware version..... :	1.0
Software version ..... :	1.0
Result..... :	**PASS**

T E S T R E P O R T

Equipment under Test	:	Bluvy
Model /Type	:	Bluvy 1.0
Listed Models	:	N/A
Remark		N/A
Applicant	:	Amazonia Enterprises LLC.
Address	:	450 Sheringham Terrace, Roswell, GA 30076, United States
Manufacturer	:	Amazonia Enterprises LLC
Address	:	450 Sheringham Terrace, Roswell, GA 30076, United States

Test Result:	**PASS**

Contents

1 Revision History

Revision	Issue Date	Revisions	Revised By
00	2024.09.24	Initial Issue	Alisa Luo

2 TEST STANDARDS

The tests were performed according to following standards:

FCC Rules Part 15 Subpart E—Unlicensed National Information Infrastructure Devices
ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices
KDB789033 D02: General UNII Test Procedures New Rules v01r02

3 SUMMARY

3.1 General Remarks

Date of receipt of test sample	:	2024.08.05
Testing commenced on	:	2024.08.06
Testing concluded on	:	2024.09.24

3.2 Product Description

Product Description:	Bluvy			
Model:	Bluvy 1.0			
Power supply:	DC 3.8V by Battery DC 5V by USB Port			
Testing sample ID:	MTYP06342			
WIFI				
Supported type:	20MHz system	40MHz system	80MHz system	160MHz system
	802.11a 802.11n 802.11ac	802.11n 802.11ac	802.11ac	N/A
Operation frequency:	5180MHz-5240MHz 5260MHz-5320MHz 5500MHz-5700MHz 5745MHz-5825MHz	5190MHz-5230MHz 5270-5310 5510-5670 5755MHz-5795MHz	5210MHz 5290MHz 5530MHz-5610MHz 5775MHz	N/A
Modulation:	OFDM	OFDM	OFDM	N/A
Antenna type:	FPC Antenna			
Antenna gain:	5180MHz-5240MHz:1.16dBi, 5260MHz-5320MHz:2.45dBi, 5500MHz-5700MHz:1.67dBi, 5745MHz-5825MHz:1.03dBi,			

3.3 Equipment Under Test

Power supply system utilised

Power supply voltage	:	○	230V / 50 Hz	○	120V / 60Hz
		○	12 V DC	○	24 V DC
		●	Other (specified in blank below)		

DC 3.8V by Battery
DC 5V by USB Port

3.4 Short description of the Equipment under Test (EUT)

This is a Bluvy For more details, refer to the user's manual of the EUT.

3.5 EUT operation mode

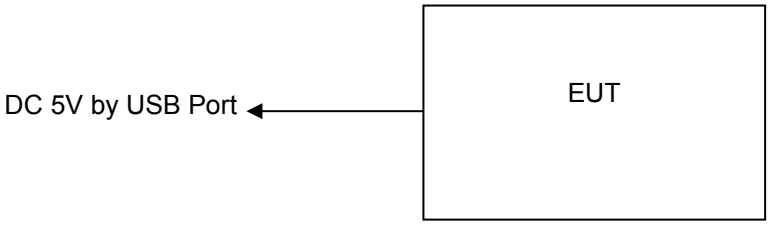
The Applicant provides communication tools software (AT command) to control the EUT for staying in continuous transmitting (Duty Cycle more than 98%) and receiving mode for testing.
All test performed at the low, middle and high of operational frequency range of each mode.

Operation Frequency List WIFI on 5G Band：

Operating band	20MHz		40MHz		80MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
U-NII 1 (5150MHz-5250MHz)	**36**	**5180**	**38**	**5190**	**42**	**5210**
	40	**5200**				
	44	5220	**46**	**5230**		
	48	**5240**				
U-NII 2A	**52**	**5260**	**54**	**5270**	**58**	**5290**
	56	**5280**				
	60	5300	**62**	**5310**		
	64	**5320**				
U-NII 2C	**100**	**5500**	**102**	**5510**	**106**	**5530**
	104	5520				
	108	5540	110	5550		
	112	5560				
	116	5580	**118**	**5590**	**--**	**--**
	120	**5600**				
	124	5620	**--**	**--**		
	128	5640				
	132	5660	**134**	**5670**	**--**	**--**
	140	**5700**			**--**	**--**
U-NII 3 (5725MHz-5850MHz)	**149**	**5745**	**151**	**5755**	**155**	**5775**
	153	5765				
	157	**5785**	**159**	**5795**		
	161	5805				
	165	**5825**	--	--	--	--

Note: The line display in grey is those Channels/Frequencies select to test in this report for each operation mode.

3.6 Block Diagram of Test Setup



3.1 Test Item (Equipment Under Test) Description

Short designation	EUT Name	EUT Description	Serial number	Hardware status	Software status
EUT A					
EUT B					

*: declared by the applicant. According to customers information EUTs A and B are the same devices.

3.2 Auxiliary Equipment (AE) Description

AE short designation	EUT Name (if available)	EUT Description	Serial number (if available)	Software (if used)
AE 1	Adapter	UP0512	/	
AE 2	-			

3.3 Antenna Information*

Short designation	Antenna Name	Antenna Type	Frequency Range	Serial number	Antenna Peak Gain
Antenna 1	---	FPC Antenna	5180MHz-5240MHz 5260MHz-5320MHz 5500MHz-5700MHz 5745MHz-5825MHz	---	1.16dBi 2.45dBi 1.67dBi 1.03dBi
Antenna 2					

*: declared by the applicant.

3.4 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended to comply with Section 15.407 of the FCC Part 15, Subpart E Rules.

3.5 Modifications

No modifications were implemented to meet testing criteria.

3.6 EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

○ - supplied by the manufacturer

● - Supplied by the lab

●	ADAPTER	M/N:	UP0512
		Manufacturer:	Salcomp (Shenzhen) Co., Ltd.

4 TEST ENVIRONMENT

4.1 Address of the test laboratory

Shenzhen Most Technology Service Co., Ltd.
No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

4.2 Test Facility

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

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

FCC-Registration No.: 0031192610

Shenzhen Most Technology Service Co., Ltd. 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 our files.

A2LA-Lab Cert. No.: 6343.01

Shenzhen Most Technology Service Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

4.3 Environmental conditions

Radiated Emission:

Temperature:	23 ° C
Humidity:	48 %
Atmospheric pressure:	950-1050mbar

AC Main Conducted testing：

Temperature:	24 ° C
Humidity:	45 %
Atmospheric pressure:	950-1050mbar

Conducted testing：

Temperature:	24 ° C
Humidity:	45 %
Atmospheric pressure:	950-1050mbar

4.4 Test Description

FCC Requirement		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.407(a)	Emission Bandwidth(26dBm Bandwidth)	PASS Note1
FCC Part 15.407(e)	Minimum Emission Bandwidth(6dBm Bandwidth)	PASS Note2
FCC Part 15.407(a)	Maximum Conducted Output Power	PASS
FCC Part 15.407(a)	Peak Power Spectral Density	PASS
FCC Part 15.407(g)	Frequency Stability	PASS
FCC Part 15.407(b)	Undesirable emission	PASS
FCC Part 15.407(b)/15.205/15.209	Radiated Emissions	PASS
FCC Part 15.407(h)	Dynamic Frequency Selection	N/A Note 3
FCC Part 15.203/15.247(b)	Antenna Requirement	PASS

Note 1: Apply to U-NII 1, U-NII 2A, and U-NII 2C band.
Note 2: Apply to U-NII 3 band only.
Note 3: This device not work in DFS band.

Data Rate Used:
Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate
Maximum Conducted Output Power Power Spectral Density Emission Bandwidth(26dBm Bandwidth) Minimum Emission Bandwidth(6dBm Bandwidth) Undesirable emission Frequency Stability	11a/OFDM	54 Mbps
	11n(20MHz),11ac(20MHz)/OFDM	MCS7
	11n(40MHz),11ac(40MHz)/OFDM	MCS7
	11ac(80MHz)/OFDM	MCS9

4.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen Most Technology Service Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Most Technology Service Co., Ltd. is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.10 dB	(1)
Radiated Emission	1~18GHz	4.32 dB	(1)
Radiated Emission	18-40GHz	5.54 dB	(1)
Conducted Disturbance	0.15~30MHz	3.12 dB	(1)

20dB Bandwidth & 99% Bandwidth	/	5%	(1)
Maximum Conducted Output Power	/	0.80dB	(1)
Spurious RF Conducted Emission	/	1.6dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

4.6 Equipments Used during the Test

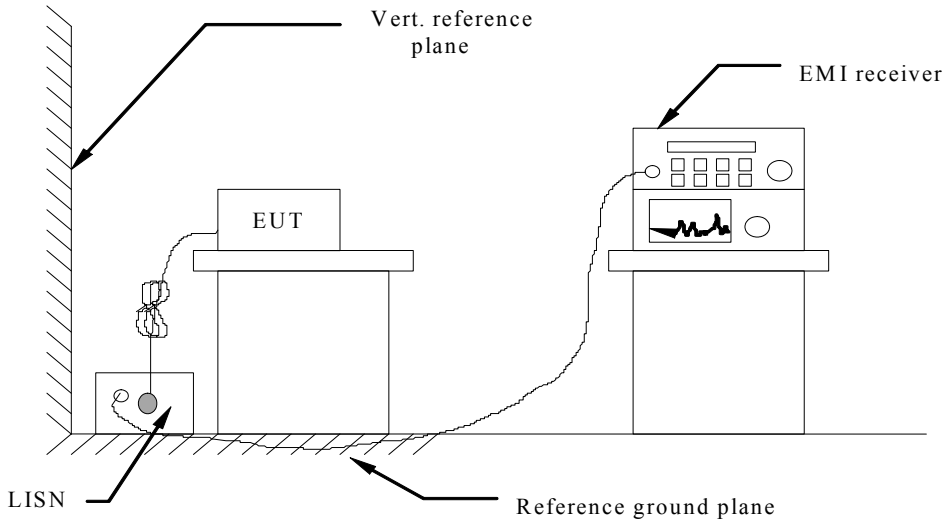
Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware versions	Last Cal.
1.	L.I.S.N.	R&S	ENV216	100093	/	2024/03/15
2	Three-phase artificial power network	Schwarzback Mess	NNLK8129	8129178	/	2024/03/15
3.	Receiver	R&S	ESCI	100492	V3.0-10-2	2024/03/15
4	Receiver	R&S	ESPI	101202	V3.0-10-2	2024/03/15
5	Spectrum analyzer	Agilent	9020A	MT-E306	A14.16	2024/03/15
6	Bilong Antenna	Sunol Sciences	JB3	A121206	/	2024/08/15
7	Horn antenna	HF Antenna	HF Antenna	MT-E158	/	2024/03/15
8	Loop antenna	Beijing Daze	ZN30900B	/	/	2024/03/15
9	Horn antenna	R&S	OBH100400	26999002	/	2024/03/15
10	Wireless Communication Test Set	R&S	CMW500	/	CMW-BASE-3.7.21	2024/03/15
11	Spectrum analyzer	R&S	FSP	100019	V4.40 SP2	2024/03/15
12	High gain antenna	Schwarzbeck	LB-180400KF	MT-E389	/	2024/03/15
13	Preamplifier	Schwarzbeck	BBV 9743	MT-E390	/	2024/03/15
14	Pre-amplifier	EMCI	EMC051845SE	MT-E391	/	2024/03/15
15	Pre-amplifier	Agilent	83051A	MT-E392	/	2024/03/15
16	High pass filter unit	Tonscend	JS0806-F	MT-E393	/	2024/03/15
17	RF Cable(below1GHz)	Times	9kHz-1GHz	MT-E394	/	2024/03/15
18	RF Cable(above 1GHz)	Times	1-40G	MT-E395	/	2024/03/15
19	RF Cable (9KHz-40GHz)	Tonscend	170660	N/A	/	2024/03/15
20	Power meter	R&S	NRVS	100444	/	2024/03/15

Note: The Cal.Interval was one year.

5 TEST CONDITIONS AND RESULTS

5.1 AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2013.
2 Support equipment, if needed, was placed as per ANSI C63.10-2013
3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2013
4 The EUT received DC 5V power from adapter, the adapter received AC120V/60Hz and AC 240V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5 All support equipments received AC power from a second LISN, if any.
6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT.The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
8 During the above scans, the emissions were maximized by cable manipulation.

AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following：

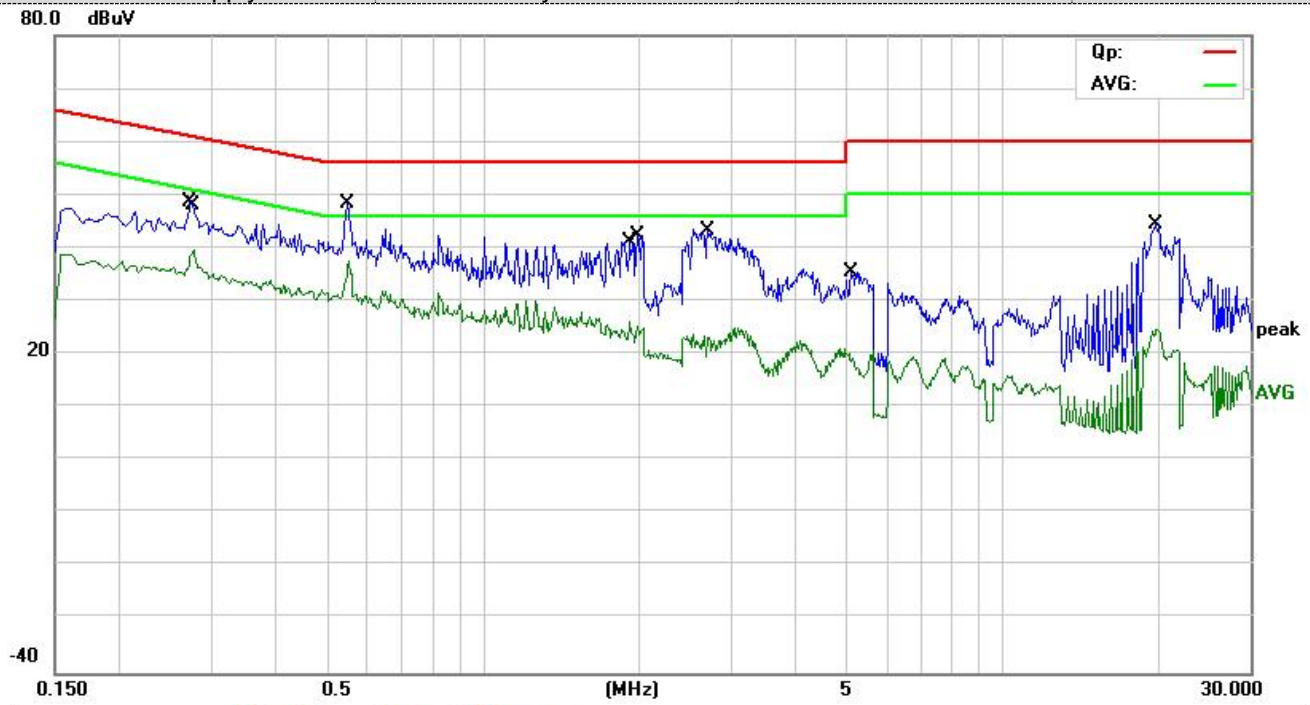
Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
* Decreases with the logarithm of the frequency.		

TEST RESULTS

Remark:

1. WIFI 5G modes were test at 802.11a, 802.11n(20), 802.11n(40), 802.11ac(20), 802.11ac(40), 802.11ac(80) (Low, Middle, and High channel); only the worst result of 802.11a Middle Channel was reported as below:

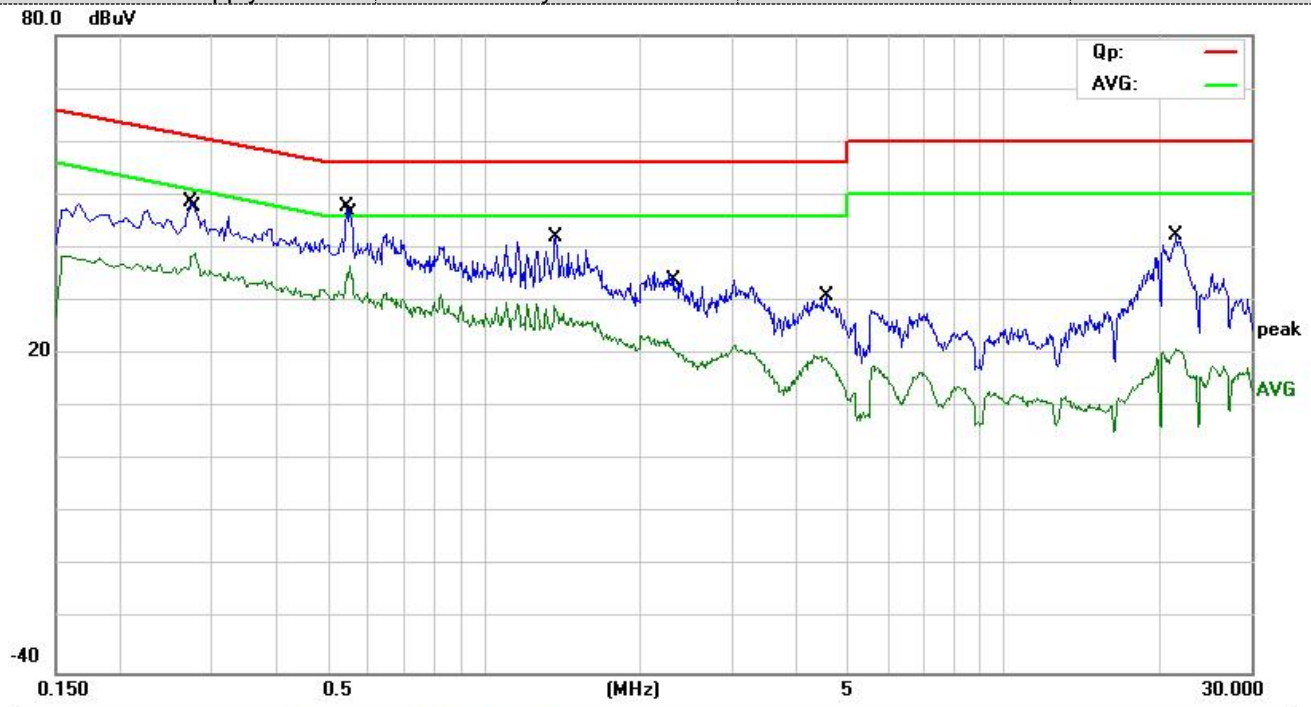
Power supply:	DC 5V by USB Port	Polarization	L



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2740	39.16	9.60	48.76	61.00	-12.24	QP	
2		0.2780	30.14	9.59	39.73	50.88	-11.15	AVG	
3	*	0.5500	38.90	9.59	48.49	56.00	-7.51	QP	
4		0.5540	28.02	9.59	37.61	46.00	-8.39	AVG	
5		1.9220	16.47	9.60	26.07	46.00	-19.93	AVG	
6		1.9860	32.83	9.60	42.43	56.00	-13.57	QP	
7		2.6660	13.75	9.61	23.36	46.00	-22.64	AVG	
8		2.7140	33.78	9.61	43.39	56.00	-12.61	QP	
9		5.0700	10.57	9.63	20.20	50.00	-29.80	AVG	
10		5.1260	25.80	9.63	35.43	60.00	-24.57	QP	
11		19.8020	34.71	9.73	44.44	60.00	-15.56	QP	
12		19.8020	15.02	9.73	24.75	50.00	-25.25	AVG	

*:Maximum data x:Over limit !:over margin

Power supply:	DC 5V by USB Port	Polarization	N



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2740	38.93	9.60	48.53	61.00	-12.47	QP	
2		0.2780	29.47	9.59	39.06	50.88	-11.82	AVG	
3	*	0.5460	38.01	9.59	47.60	56.00	-8.40	QP	
4		0.5540	27.13	9.59	36.72	46.00	-9.28	AVG	
5		1.3700	19.58	9.60	29.18	46.00	-16.82	AVG	
6		1.3780	32.50	9.60	42.10	56.00	-13.90	QP	
7		2.2940	11.79	9.61	21.40	46.00	-24.60	AVG	
8		2.3220	24.42	9.61	34.03	56.00	-21.97	QP	
9		4.5380	9.56	9.63	19.19	46.00	-26.81	AVG	
10		4.5540	21.18	9.63	30.81	56.00	-25.19	QP	
11		21.5820	32.63	9.74	42.37	60.00	-17.63	QP	
12		21.5820	11.42	9.74	21.16	50.00	-28.84	AVG	

*:Maximum data x:Over limit !:over margin

5.2 Radiated Emissions

Limit

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(4) For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Undesirable emission limits

Requirement	Limit(EIRP)	Limit (Field strength at 3m) Note1
15.407(b)(1)	PK:-27(dBm/MHz)	PK:68.2(dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)		

Note1: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

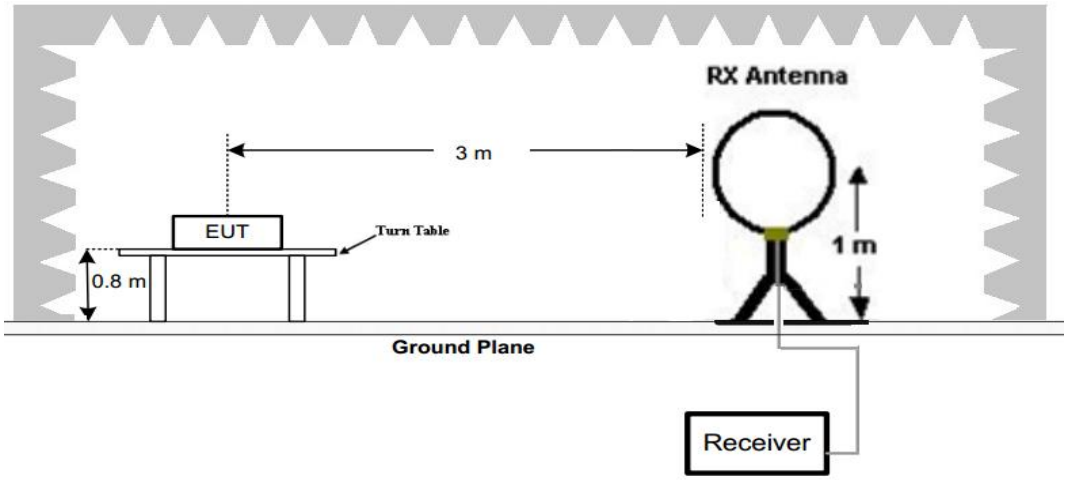
(5) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209
(6)In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Radiated emission limits

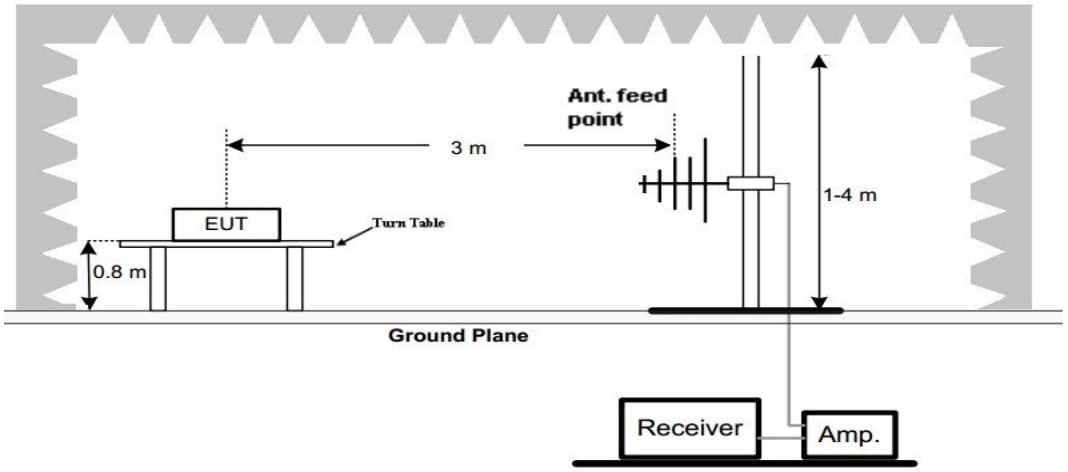
Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)
1.705-30	3	20log(30)+ 40log(30/3)	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST CONFIGURATION

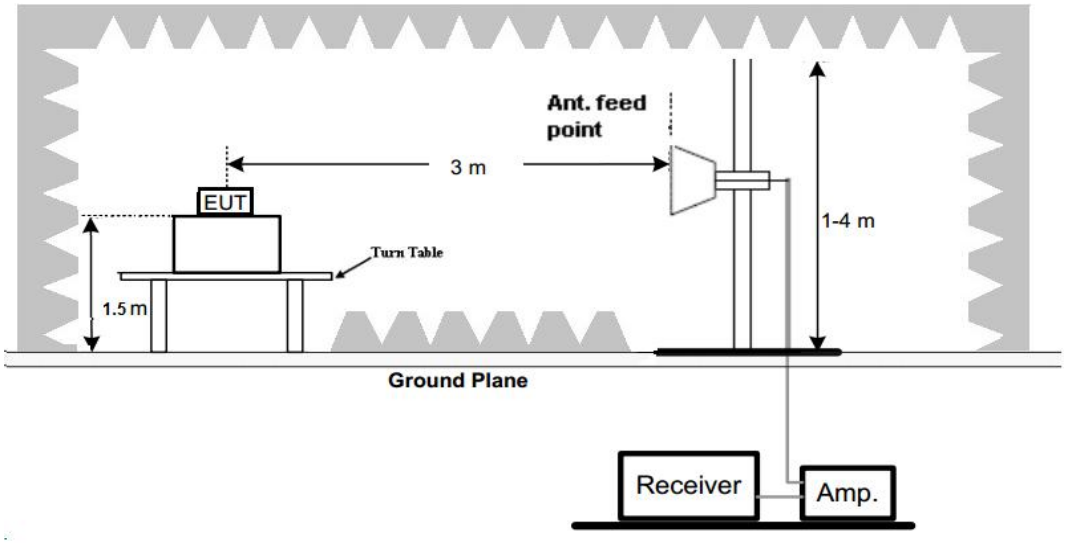
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



Test Procedure

1. Below 1GHz measurement the EUT is placed on a turntable which is 0.8m above ground plane, and above 1GHz measurement EUT was placed on a low permittivity and low loss tangent turn table which is 1.5m above ground plane.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0℃ to 360℃ to acquire the highest emissions from EUT
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. Radiated emission test frequency band from 9KHz to 40GHz.
6. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Bilog Antenna	3
1GHz-18GHz	Horn Antenna	3
18GHz-25GHz	Horn Anternna	1

7. Setting test receiver/spectrum as following table states:

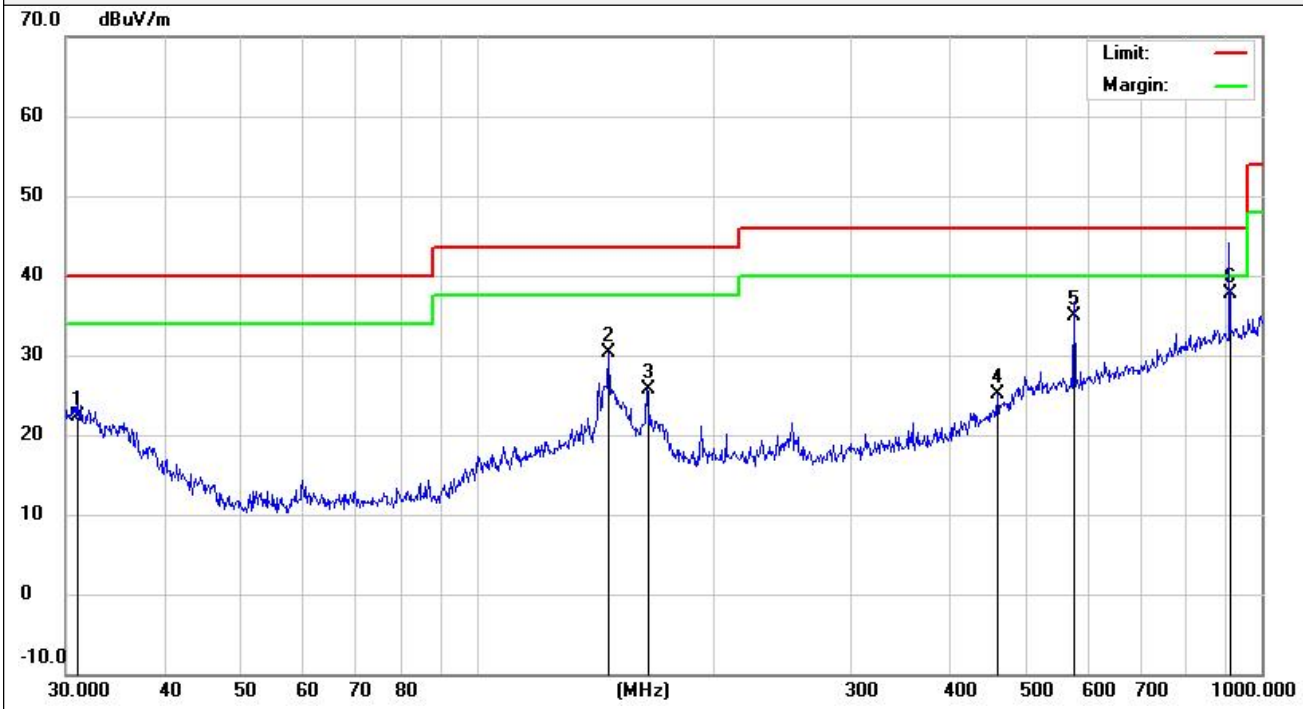
Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz,Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz,Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz,Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

TEST RESULTS

Remark:
1. This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.
2. All 802.11a, 802.11n(20), 802.11n(40), 802.11ac(20), 802.11ac(40), 802.11ac(80) modes have been tested for below 1GHz test, only the worst case 802.11a low channel of U-NII 1 band was recorded.
3. All 802.11a, 802.11n(20), 802.11n(40), 802.11ac(20), 802.11ac(40), 802.11ac(80) modes have been tested for above 1GHz test, only the worst case 802.11a was recorded.
4. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.
5. Remark: Result=Reading value+Factor

For 30MHz-1GHz

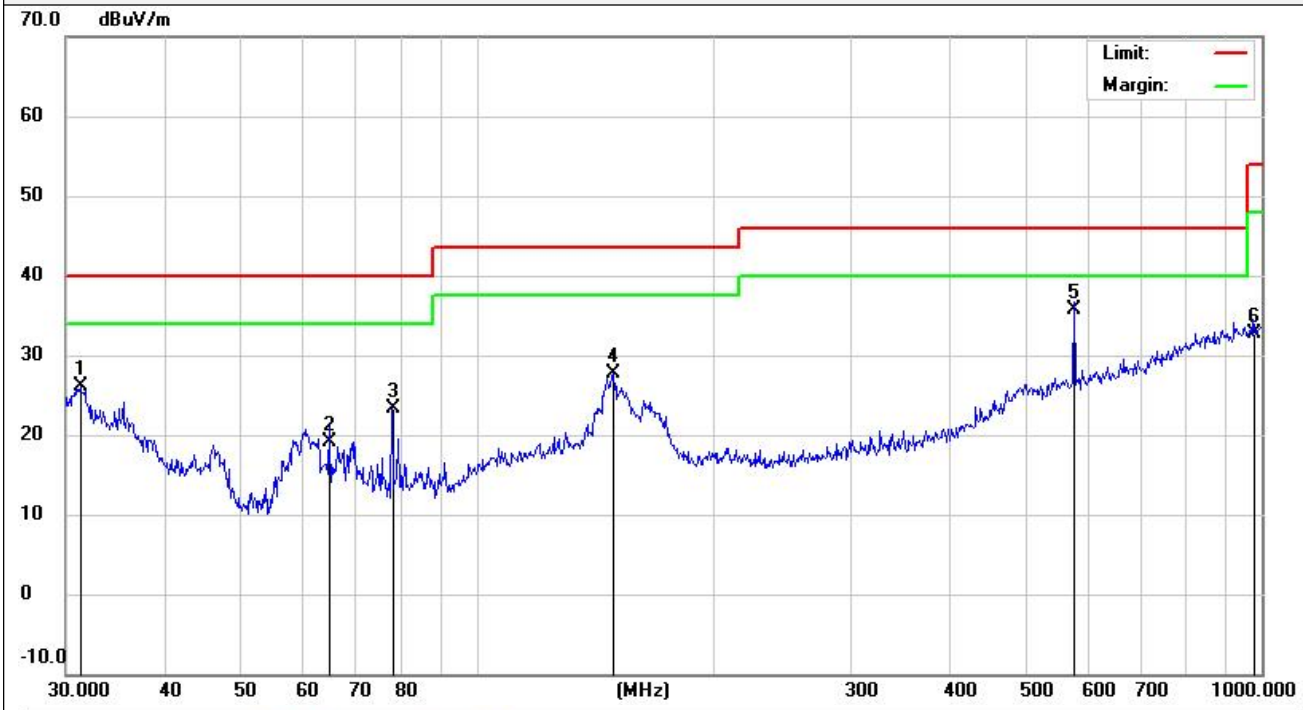
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		31.0706	2.11	20.17	22.28	40.00	-17.72	QP	200	320	
2		147.4036	12.89	17.36	30.25	43.50	-13.25	QP	200	140	
3		164.9075	8.56	17.14	25.70	43.50	-17.80	QP	200	110	
4		460.7271	4.45	20.62	25.07	46.00	-20.93	QP	200	240	
5		576.6443	11.32	23.54	34.86	46.00	-11.14	QP	200	60	
6	*	909.6667	8.60	29.10	37.70	46.00	-8.30	QP	200	30	

*:Maximum data x:Over limit !:over margin

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		31.2893	6.05	20.02	26.07	40.00	-13.93	QP	100	10	
2		64.8865	10.21	8.94	19.15	40.00	-20.85	QP	100	60	
3		78.1389	13.33	9.95	23.28	40.00	-16.72	QP	100	110	
4		149.4857	10.11	17.63	27.74	43.50	-15.76	QP	100	170	
5	*	576.6443	12.14	23.54	35.68	46.00	-10.32	QP	100	250	
6		975.7529	2.98	29.76	32.74	54.00	-21.26	QP	100	330	

*:Maximum data x:Over limit l:over margin

For 1GHz to 40GHz

Note: All 802.11a, 802.11n(20), 802.11n(40), 802.11ac(20), 802.11ac(40), 802.11ac(80) modes have been tested for above 1GHz test, only the worst case 802.11a was recorded.

U-NII 1

Polar (H/V)	Frequency	Meter Reading	Antenna Factor	Cable loss	Preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
***802.11a Mode* -5180MHz**									
V	3586	56.08	29.03	5.24	36.4	53.95	68.2	14.25	PK
V	3586	43.29	29.03	5.24	36.4	41.16	54	12.84	AV
H	3586	53.17	29.03	5.24	36.4	51.04	68.2	17.16	PK
H	3586	48.19	29.03	5.24	36.4	46.06	54	7.94	AV
V	10360	34.29	39.41	11.45	34.28	50.87	68.2	17.33	PK
V	10360	23.62	39.41	11.45	34.28	40.2	54	13.8	AV
H	10360	33.95	39.41	11.45	34.28	50.53	68.2	17.67	PK
H	10360	27.31	39.41	11.45	34.28	43.89	54	10.11	AV
***802.11a Mode* -5200MHz**									
V	3586	54.64	29.03	5.24	36.4	52.51	68.2	15.69	PK
V	3586	42.22	29.03	5.24	36.4	40.09	54	13.91	AV
H	3586	52.9	29.03	5.24	36.4	50.77	68.2	17.43	PK
H	3586	46.78	29.03	5.24	36.4	44.65	54	9.35	AV
V	10400	34.95	39.42	11.47	34.28	51.56	68.2	16.64	PK
V	10400	25.61	39.42	11.47	34.28	42.22	54	11.78	AV
H	10400	36.36	39.42	11.47	34.28	52.97	68.2	15.23	PK
H	10400	27.41	39.42	11.47	34.28	44.02	54	9.98	AV
802.11b *Mode* -5240MHz									
V	3586	53.2	29.03	5.24	36.4	51.07	68.2	17.13	PK
V	3586	43.6	29.03	5.24	36.4	41.47	54	12.53	AV
H	3586	53.65	29.03	5.24	36.4	51.52	68.2	16.68	PK
H	3586	47.07	29.03	5.24	36.4	44.94	54	9.06	AV
V	10480	36.07	39.43	11.47	34.28	52.69	68.2	15.51	PK
V	10480	27.24	39.43	11.47	34.28	43.86	54	10.14	AV
H	10480	36.55	39.43	11.47	34.28	53.17	68.2	15.03	PK
H	10480	27.66	39.43	11.47	34.28	44.28	54	9.72	AV

U-NII 2A

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Antenna Factor (dB)	Cable loss (dB)	Preamp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
***802.11a Mode* -5260MHz**									
V	3603	56.4	29.03	5.24	36.4	54.27	68.2	13.93	PK
V	3603	44.02	29.03	5.24	36.4	41.89	54	12.11	AV
H	3603	53.7	29.03	5.24	36.4	51.57	68.2	16.63	PK
H	3603	48.44	29.03	5.24	36.4	46.31	54	7.69	AV
V	10520	34.9	39.43	11.47	34.28	51.52	68.2	16.68	PK
V	10520	23.71	39.43	11.47	34.28	40.33	54	13.67	AV
H	10520	35.08	39.43	11.47	34.28	51.7	68.2	16.5	PK
H	10520	26.47	39.43	11.47	34.28	43.09	54	10.91	AV
***802.11a Mode* -5280MHz**									
V	3603	53.24	29.03	5.24	36.4	51.11	68.2	17.09	PK
V	3603	43.63	29.03	5.24	36.4	41.5	54	12.5	AV
H	3603	54.16	29.03	5.24	36.4	52.03	68.2	16.17	PK
H	3603	46.65	29.03	5.24	36.4	44.52	54	9.48	AV
V	10560	34.98	39.43	11.47	34.28	51.6	68.2	16.6	PK
V	10560	26.54	39.43	11.47	34.28	43.16	54	10.84	AV
H	10560	36.49	39.43	11.47	34.28	53.11	68.2	15.09	PK
H	10560	28.16	39.43	11.47	34.28	44.78	54	9.22	AV
802.11b *Mode* -5320MHz									
V	3603	55.09	29.03	5.24	36.4	52.96	68.2	15.24	PK
V	3603	43.95	29.03	5.24	36.4	41.82	54	12.18	AV
H	3603	54.91	29.03	5.24	36.4	52.78	68.2	15.42	PK
H	3603	48.94	29.03	5.24	36.4	46.81	54	7.19	AV
V	10640	35.12	39.44	11.47	34.28	51.75	68.2	16.45	PK
V	10640	26.39	39.44	11.47	34.28	43.02	54	10.98	AV
H	10640	37.38	39.44	11.47	34.28	54.01	68.2	14.19	PK
H	10640	28.25	39.44	11.47	34.28	44.88	54	9.12	AV

U-NII 2C

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Antenna Factor (dB)	Cable loss (dB)	Preamp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
***802.11a Mode* -5500MHz**									
V	4982	53.28	32.52	5.24	36.4	54.64	68.2	13.56	PK
V	4982	38.98	32.52	5.24	36.4	40.34	54	13.66	AV
H	4982	49.04	32.52	5.24	36.4	50.4	68.2	17.8	PK
H	4982	43.68	32.52	5.24	36.4	45.04	54	8.96	AV
V	11000	35.06	39.46	11.47	34.28	51.71	68.2	16.49	PK
V	11000	24.91	39.46	11.47	34.28	41.56	54	12.44	AV
H	11000	36.21	39.46	11.47	34.28	52.86	68.2	15.34	PK
H	11000	27.93	39.46	11.47	34.28	44.58	54	9.42	AV
***802.11a Mode* -5600MHz**									
V	4982	51.25	32.52	5.24	36.4	52.61	68.2	15.59	PK
V	4982	39.59	32.52	5.24	36.4	40.95	54	13.05	AV
H	4982	49.28	32.52	5.24	36.4	50.64	68.2	17.56	PK
H	4982	43.24	32.52	5.24	36.4	44.6	54	9.4	AV
V	11200	35.2	39.46	11.47	34.28	51.85	68.2	16.35	PK
V	11200	25.67	39.46	11.47	34.28	42.32	54	11.68	AV
H	11200	35.98	39.46	11.47	34.28	52.63	68.2	15.57	PK
H	11200	27.74	39.46	11.47	34.28	44.39	54	9.61	AV
802.11b *Mode* -5700MHz									
V	4982	50.27	32.52	5.24	36.4	51.63	68.2	16.57	PK
V	4982	39.72	32.52	5.24	36.4	41.08	54	12.92	AV
H	4982	49.76	32.52	5.24	36.4	51.12	68.2	17.08	PK
H	4982	44.95	32.52	5.24	36.4	46.31	54	7.69	AV
V	11400	35.05	39.46	11.47	34.28	51.7	68.2	16.5	PK
V	11400	26.83	39.46	11.47	34.28	43.48	54	10.52	AV
H	11400	36	39.46	11.47	34.28	52.65	68.2	15.55	PK
H	11400	26.6	39.46	11.47	34.28	43.25	54	10.75	AV

U-NII 3

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Antenna Factor (dB)	Cable loss (dB)	Preamp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
***802.11a Mode* -5500MHz**									
V	5112	52.3	32.84	5.24	36.4	53.98	68.2	14.22	PK
V	5112	38.86	32.84	5.24	36.4	40.54	54	13.46	AV
H	5112	49.67	32.84	5.24	36.4	51.35	68.2	16.85	PK
H	5112	43.4	32.84	5.24	36.4	45.08	54	8.92	AV
V	11490	34.59	39.52	11.47	34.28	51.3	68.2	16.9	PK
V	11490	23.84	39.52	11.47	34.28	40.55	54	13.45	AV
H	11490	34.38	39.52	11.47	34.28	51.09	68.2	17.11	PK
H	11490	26.29	39.52	11.47	34.28	43	54	11	AV
***802.11a Mode* -5600MHz**									
V	5112	49.86	32.84	5.24	36.4	51.54	68.2	16.66	PK
V	5112	38.49	32.84	5.24	36.4	40.17	54	13.83	AV
H	5112	49.63	32.84	5.24	36.4	51.31	68.2	16.89	PK
H	5112	43.09	32.84	5.24	36.4	44.77	54	9.23	AV
V	11570	37.04	39.52	11.47	34.28	53.75	68.2	14.45	PK
V	11570	26.43	39.52	11.47	34.28	43.14	54	10.86	AV
H	11570	36.72	39.52	11.47	34.28	53.43	68.2	14.77	PK
H	11570	27.23	39.52	11.47	34.28	43.94	54	10.06	AV
802.11b *Mode* -5700MHz									
V	5112	51.04	32.84	5.24	36.4	52.72	68.2	15.48	PK
V	5112	38.93	32.84	5.24	36.4	40.61	54	13.39	AV
H	5112	50.56	32.84	5.24	36.4	52.24	68.2	15.96	PK
H	5112	44.48	32.84	5.24	36.4	46.16	54	7.84	AV
V	11650	36.91	39.52	11.47	34.28	53.62	68.2	14.58	PK
V	11650	25.84	39.52	11.47	34.28	42.55	54	11.45	AV
H	11650	37.37	39.52	11.47	34.28	54.08	68.2	14.12	PK
H	11650	28.34	39.52	11.47	34.28	45.05	54	8.95	AV

REMARKS:

1. Emission level (dBuV/m) =Raw Value (dBuV)+Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
3. Margin value = Limit value- Emission level.
4. -- Mean the other emission levels were very low against the limit.
5. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.

Radiated Band Edge Test:

All 802.11a, 802.11n(20), 802.11n(40), 802.11ac(20), 802.11ac(40), 802.11ac(80) modes have been tested for above 1GHz test, only the worst case 802.11a was recorded.

U-NII 1

Polar (H/V)	Frequency	Meter Reading	Antenna Factor	Cable loss	Preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
802.11a									
V	5150	55.97	31.22	7.62	36.5	58.31	74	15.69	PK
V	5150	38.67	31.22	7.62	36.5	41.01	54	12.99	AV
H	5150	54.13	31.22	7.62	36.5	56.47	74	17.53	PK
H	5150	41.98	31.22	7.62	36.5	44.32	54	9.68	AV
V	5350	54.48	31.56	7.83	35.82	58.05	74	15.95	PK
V	5350	39.44	31.56	7.83	35.82	43.01	54	10.99	AV
H	5350	53.9	31.56	7.83	35.82	57.47	74	16.53	PK
H	5350	40.72	31.56	7.83	35.82	44.29	54	9.71	AV

U-NII 2A

Polar (H/V)	Frequency	Meter Reading	Antenna Factor	Cable loss	Preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
802.11a									
V	5150	55.63	31.22	7.62	36.5	57.97	74	16.03	PK
V	5150	39.27	31.22	7.62	36.5	41.61	54	12.39	AV
H	5150	56.2	31.22	7.62	36.5	58.54	74	15.46	PK
H	5150	43.04	31.22	7.62	36.5	45.38	54	8.62	AV
V	5350	55.16	31.56	7.83	35.82	58.73	74	15.27	PK
V	5350	39.41	31.56	7.83	35.82	42.98	54	11.02	AV
H	5350	55.75	31.56	7.83	35.82	59.32	74	14.68	PK
H	5350	39.67	31.56	7.83	35.82	43.24	54	10.76	AV

U-NII 2C

Polar (H/V)	Frequency	Meter Reading	Antenna Factor	Cable loss	Preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
802.11a									
V	5460	54.68	31.22	7.62	36.5	57.02	74	16.98	PK
V	5460	39.1	31.22	7.62	36.5	41.44	54	12.56	AV
H	5460	54.07	31.22	7.62	36.5	56.41	74	17.59	PK
H	5460	44.24	31.22	7.62	36.5	46.58	54	7.42	AV
V	5850	55.66	31.56	7.83	35.82	59.23	74	14.77	PK
V	5850	38.8	31.56	7.83	35.82	42.37	54	11.63	AV
H	5850	53.43	31.56	7.83	35.82	57	74	17	PK
H	5850	42.01	31.56	7.83	35.82	45.58	54	8.42	AV

U-NII 3

Polar (H/V)	Frequency	Meter Reading	Antenna Factor	Cable loss	Preamp factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
802.11a									
V	5460	56.5	31.22	7.62	36.5	58.84	74	15.16	PK
V	5460	39.46	31.22	7.62	36.5	41.8	54	12.2	AV
H	5460	54.7	31.22	7.62	36.5	57.04	74	16.96	PK
H	5460	44.56	31.22	7.62	36.5	46.9	54	7.1	AV
V	5850	55.91	31.56	7.83	35.82	59.48	74	14.52	PK
V	5850	39.08	31.56	7.83	35.82	42.65	54	11.35	AV
H	5850	55.46	31.56	7.83	35.82	59.03	74	14.97	PK
H	5850	42.22	31.56	7.83	35.82	45.79	54	8.21	AV

5.3 Conduction spurious emission

Limit

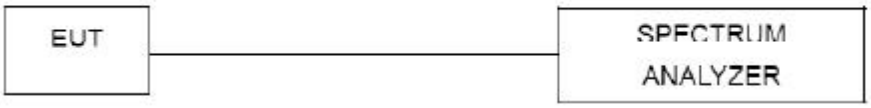
The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
(4) For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Test Procedure

Use the following spectrum analyzer settings:
Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
RBW = 1 MHz for f ⩾ 1 GHz, 100 kHz for f < 1 GHz
VBW ⩾ RBW
Sweep = auto
Detector function = peak
Trace = max hold
Allow the trace to stabilize

Test Configuration



TEST RESULTS
See Appendix VI

5.4 Maximum Conducted Average Output Power

Limit

For the band 5.15-5.25 GHz.
(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi.

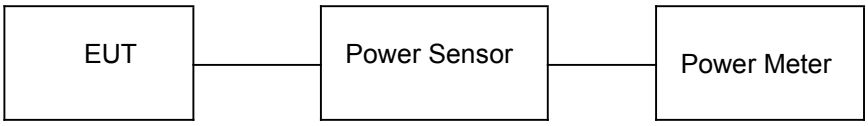
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W

Test Procedure

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power sensor.

Test Configuration



Test Results

See Appendix II

5.5 Power Spectral Density

Limit

(1) For the band 5.15 - 5.25 GHz.

(i) For an outdoor access point operating in the band 5.15 - 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band.note1

(ii) For an indoor access point operating in the band 5.15 - 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band.note1

(iii) For fixed point-to-point access points operating in the band 5.15 - 5.25 GHz, transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.

(iv) For mobile and portable client devices in the 5.15 - 5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 MHz band. note1

(2) For the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz bands, the peak power spectral density shall not exceed 11 dBm in any 1 MHz band. note1

(3) For the band 5.725 - 5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500 kHz band. note1, note2

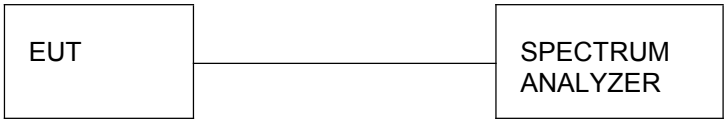
Note1: If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note2: Fixed point - to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW = 1MHz for U-NII 1, U-NII 2A, U-NII C band and 510KHz for U-NII 3 band.
3. Set the VBW ≥ 3× RBW.
4. Set the span to encompass the entire EBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum power level.

Test Configuration



Test Results

See Appendix VIII

5.6 Emission Bandwidth (26dBm Bandwidth)

Limit

N/A

Test Procedure

1. Set resolution bandwidth (RBW) = approximately 1 % of the EBW.
2. Set the video bandwidth (VBW) > RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW / EBW ratio is approximately 1 %.

Test Configuration

Test Results

See Appendix V

5.7 Minimum Emission Bandwidth (6dBm Bandwidth)

Limit

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth 3 x RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Test Configuration

Test Results

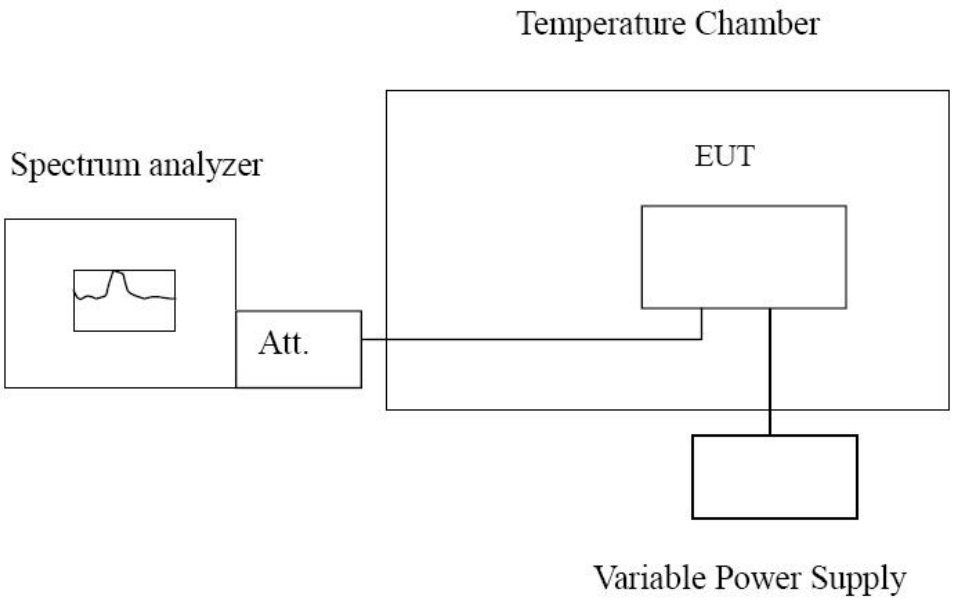
See Appendix IV

5.8 Frequency Stability

LIMIT

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

TEST CONFIGURATION



TEST PROCEDURE

Frequency Stability under Temperature Variations:
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20℃ operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30℃. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10℃ increased per stage until the highest temperature of +50℃ reached.

Frequency Stability under Voltage Variations:
Set chamber temperature to 20℃. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

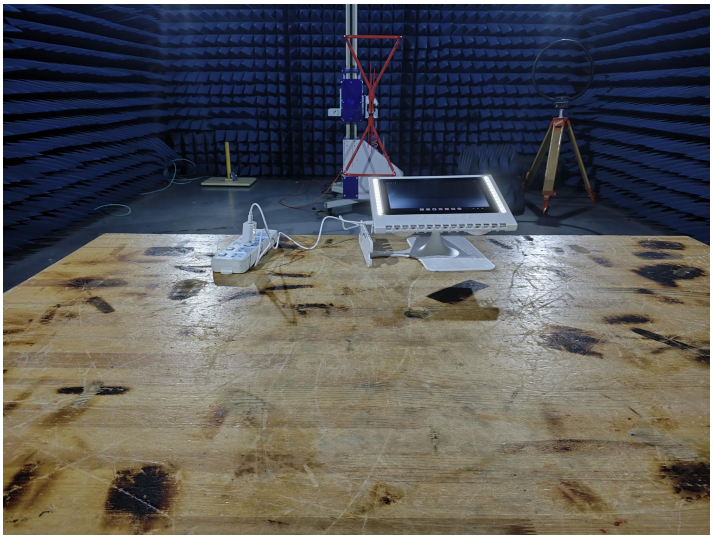
TEST RESULTS

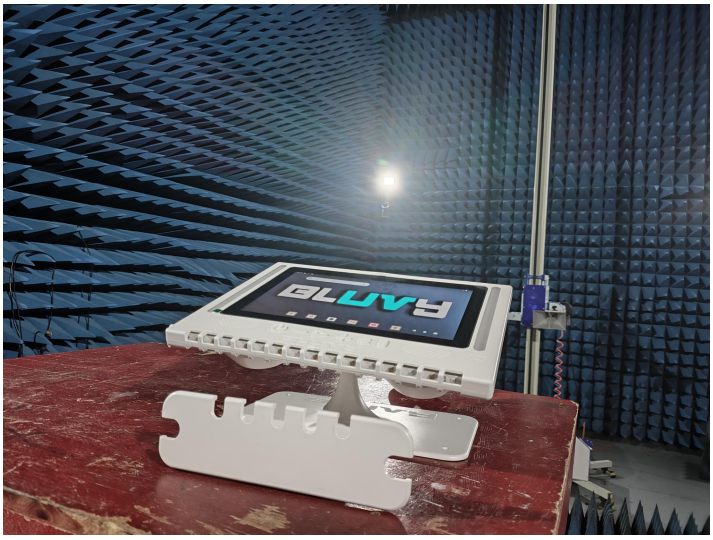
See Appendix I

5.9 Duty Cycle Information

See Appendix VII

6 Test Setup Photos of the EUT





7 Photos of the EUT

see photo report.

APPENDIX I.Frequency Stability

Test Result

Condition	Mode	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	36	0	5180.0	5180.241162	46.56	Within authorized band	PASS
		40		5200.0	5200.248137	47.72		PASS
		48		5240.0	5240.231137	44.11		PASS
		52		5260.0	5260.227487	43.25		PASS
		56		5280.0	5280.236437	44.78		PASS
		64		5320.0	5320.249162	46.84		PASS
		100		5500.0	5500.238437	43.35		PASS
		120		5600.0	5600.235737	42.1		PASS
		140		5700.0	5700.240650	42.22		PASS
	IEEE 802.11n_20	36		5180.0	5180.250000	48.26		PASS
		40		5200.0	5200.246675	47.44		PASS
		48		5240.0	5240.227274	43.37		PASS
		52		5260.0	5260.238900	45.42		PASS
		56		5280.0	5280.237562	44.99		PASS
		64		5320.0	5320.242425	45.57		PASS
		100		5500.0	5500.204561	37.19		PASS
		120		5600.0	5600.242300	43.27		PASS
		140		5700.0	5700.238537	41.85		PASS
	IEEE 802.11n_40	38		5190.0	5190.236825	45.63		PASS
		46		5230.0	5230.236037	45.13		PASS
		54		5270.0	5270.241462	45.82		PASS
		62		5310.0	5310.230512	43.41		PASS
		102		5510.0	5509.751388	-45.12		PASS
		118		5590.0	5590.212587	38.03		PASS
		134		5670.0	5669.978343	-3.82		PASS
	IEEE 802.11ac_20	36		5180.0	5180.190161	36.71		PASS
		40		5200.0	5200.248100	47.71		PASS
		48		5240.0	5240.248637	47.45		PASS
		52		5260.0	5260.247912	47.13		PASS
		56		5280.0	5280.214849	40.69		PASS
		64		5320.0	5320.227837	42.83		PASS
		100		5500.0	5500.216987	39.45		PASS
		120		5600.0	5600.249762	44.6		PASS
		140		5700.0	5700.250000	43.86		PASS
	IEEE 802.11ac_40	38		5190.0	5190.233725	45.03		PASS
		46		5230.0	5229.970993	-5.55		PASS
		54		5270.0	5270.225137	42.72		PASS
		62		5310.0	5309.941692	-10.98		PASS
		102		5510.0	5510.239825	43.53		PASS
		118		5590.0	5589.981518	-3.31		PASS
		134		5670.0	5669.977668	-3.94		PASS
	IEEE 802.11ac_80	42		5210.0	5210.242812	46.61		PASS
		58		5290.0	5290.209449	39.59		PASS
		106		5530.0	5529.982931	-3.09		PASS

Test Graphs

NT/NV

IEEE 802.11a

NT/NV_Antenna 0
IEEE 802.11a_Channel 36_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 40_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 48_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 52_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 56_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 64_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 100_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 120_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 140_20MHz

IEEE 802.11n_20

NT/NV_Antenna 0
IEEE 802.11n_Channel 36_20MHz

NT/NV_Antenna 0
IEEE 802.11n_Channel 40_20MHz

NT/NV_Antenna 0
IEEE 802.11n_Channel 48_20MHz

NT/NV_Antenna 0
IEEE 802.11n_Channel 52_20MHz

NT/NV_Antenna 0
IEEE 802.11n_Channel 56_20MHz

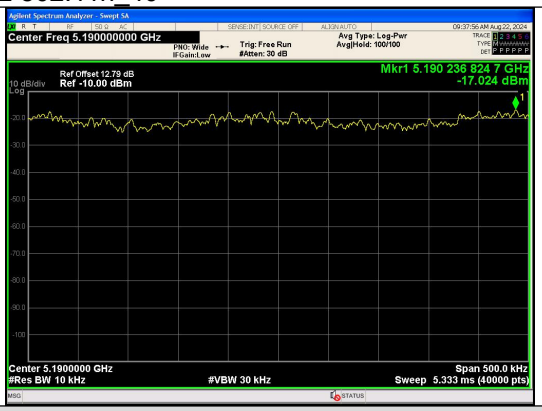
NT/NV_Antenna 0
IEEE 802.11n_Channel 64_20MHz

NT/NV_Antenna 0
IEEE 802.11n_Channel 100_20MHz

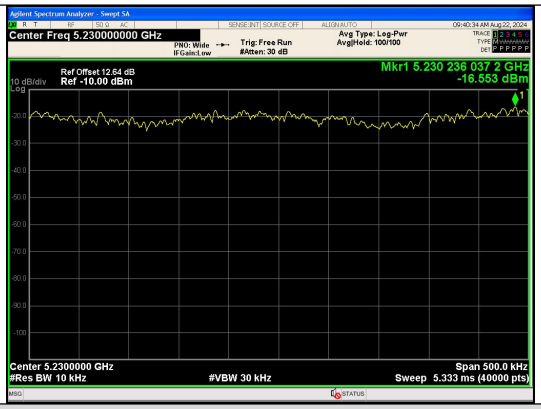
NT/NV_Antenna 0
IEEE 802.11n_Channel 120_20MHz

NT/NV_Antenna 0
IEEE 802.11n_Channel 140_20MHz

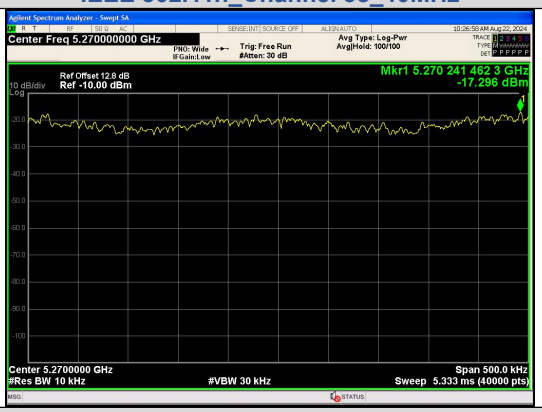
IEEE 802.11n_40



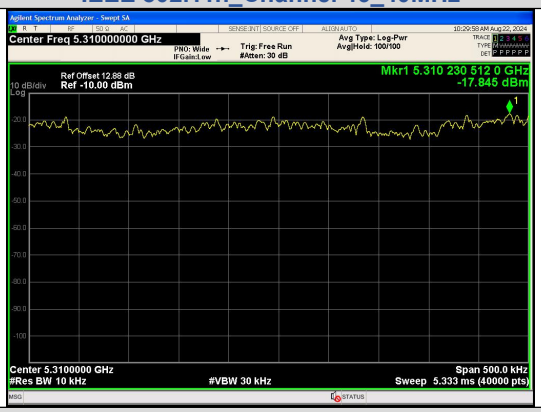
NT/NV_Antenna 0
IEEE 802.11n_Channel 38_40MHz



NT/NV_Antenna 0
IEEE 802.11n_Channel 46_40MHz

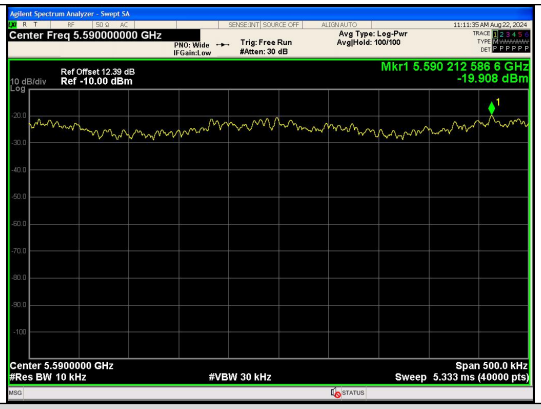


NT/NV_Antenna 0
IEEE 802.11n_Channel 54_40MHz

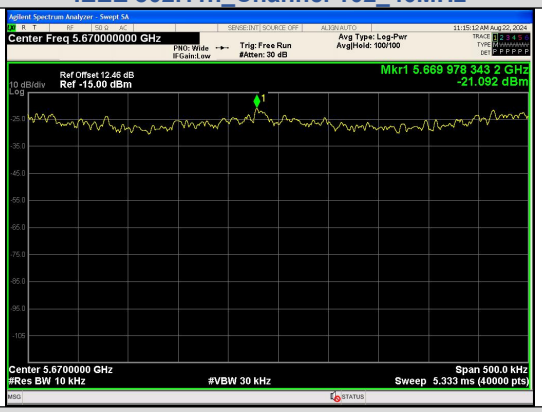


NT/NV_Antenna 0
IEEE 802.11n_Channel 62_40MHz

NT/NV_Antenna 0
IEEE 802.11n_Channel 102_40MHz



NT/NV_Antenna 0
IEEE 802.11n_Channel 118_40MHz



NT/NV_Antenna 0
IEEE 802.11n_Channel 134_40MHz

IEEE 802.11ac_20

NT/NV_Antenna 0
IEEE 802.11ac_Channel 36_20MHz

NT/NV_Antenna 0
IEEE 802.11ac_Channel 40_20MHz

NT/NV_Antenna 0
IEEE 802.11ac_Channel 48_20MHz

NT/NV_Antenna 0
IEEE 802.11ac_Channel 52_20MHz