S T S LAB

FCC TEST REPORT

Report No.:STS1903192W02

Issued for

VTech Electronics Limited

23/F, Tai Ping Industrial Centre, Block 1, 57 Ting Kok Road,
Tai Po, Hong Kong

Product Name:	KidiBuzz™ G2
Brand Name:	vtech
Model Name:	1866
Series Model:	N/A
FCC ID:	G2R-1866
Test Standard:	FCC Part 15.407

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TEST RESULT CERTIFICATION

Applicant's Name ..... : **VTech Electronics Limited**

Address ..... : 23/F, Tai Ping Industrial Centre, Block 1, 57 Ting Kok Road, Tai Po, Hong Kong

Manufacture's Name ..... : **VTech (Dongguan) Electronics Ltd**

Address ..... : Sam Tuen Management Zone, Hou Jie, Dongguan, Guangdong, China

Product Description

Product Name..... : KidiBuzz™ G2

Brand Name ..... : vtech

Model Name ..... : 1866

Series Model..... : N/A

Test Standards ..... : FCC Part 15.407

Test Procedure..... ANSI C63.10: 2013

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test.....:

Date (s) of performance of tests.....: 08 Mar. 2019 -14 Mar. 2019

Date of Issue.....: 14 Mar. 2019

Test Result.....: **Pass**

Testing Engineer : Chris Chen

(Chris Chen)

Technical Manager : Sunday Hu

(Sunday Hu)

Authorized Signatory : Vita Li

(Vita Li)

Table of Contents Page

1. SUMMARY OF TEST RESULTS 6

1.1. TEST FACTORY 7

1.2. MEASUREMENT UNCERTAINTY 7

2. GENERAL INFORMATION 8

2.1. GENERAL DESCRIPTION OF THE EUT 8

2.2. DESCRIPTION OF TEST MODES 10

2.3. BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED 11

2.4. DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS 11

2.5. EQUIPMENTS LIST FOR ALL TEST ITEMS 12

3. EMC EMISSION TEST 13

3.1. CONDUCTED EMISSION MEASUREMENT 13

3.2. RADIATED EMISSION AND (BANDEDGE) MEASUREMENT 17

4. POWER SPECTRAL DENSITY TEST 70

4.1 LIMIT 70

4.2 TEST PROCEDURE 70

4.3 DEVIATION FROM STANDARD 71

4.4 TEST SETUP 71

4.5 EUT OPERATION CONDITIONS 71

4.6 TEST RESULTS 71

5. BANDWIDTH MEASUREMENT 72

5.1 EMISSION BANDWIDTH (EBW) 26 BANDWID PROCEDURES / LIMIT 72

5.2 OCCUPIED BANDWIDTH (99%) TEST APPLIED PROCEDURES / LIMIT 73

5.3 MINIMUM EMISSION BANDWIDTH(6 DB) PROCEDURES / LIMIT 74

6. MAXIMUM CONDUCTED OUTPUT POWER 75

6.1 LIMIT 75

6.2 TEST PROCEDURE 75

6.3 DEVIATION FROM STANDARD 75

6.4 TEST SETUP 75

6.5 EUT OPERATION CONDITIONS 75

6.6 TEST RESULTS 76

7. AUTOMATICALLY DISCONTINUE TRANSMISSION 78

7.1 LIMIT OF AUTOMATICALLY DISCONTINUE TRANSMISSION 78

7.2 TEST RESULT OF AUTOMATICALLY DISCONTINUE TRANSMISSION 78

8. ANTENNA REQUIREMENT 79

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Table of Contents **Page**

8.1 STANDARD REQUIREMENT 79
8.2 EUT ANTENNA 79
9.FREQUENCY STABILITY 80
9.1 LIMITS 80
9.2 TEST PROCEDURE 80
9.3 TEST RESULT 80
APPENDIX - PHOTOS OF TEST SETUP 82

Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	14 Mar. 2019	STS1903192W02	ALL	Initial Issue

1.SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:
§ 15.407,KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

FCC Part 15.407		
FCC standard	**Test Item**	**Results**
15.407	AC Conducted Emission	PASS
15.407(e)	26dB/6dB &99% Bandwidth	PASS
15.407a(1)(2)	Maximum Conducted Output Power	PASS
15.407(b)& 15.209 15.205	Radiated Emission And (bandedge Emissions) Measurement	PASS
15.407(a) (1).(2)	Power Spectral Density	PASS
15.407(c)	Automatically Discontinue Transmission	PASS
15.203	Antenna Requirement	PASS
15.407g	Frequency Stability	PASS

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

(2) all tests are according to ANSI C63.10-2013

1.1. TEST FACTORY

Shenzhen STS Test Services Co., Ltd.
Add. : 1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road,
Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
FCC Registration No.: CN1203
A2LA Certificate No.: 4338.01

1.2. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**, where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95** %.

No.	Item	Uncertainty
1	RF output power, conducted	±0.71dB
2	Unwanted Emissions, conducted	±0.63dB
3	All emissions, radiated 30-200MHz	±3.43dB
4	All emissions, radiated 200MHz-1GHz	±3.57dB
5	All emissions, radiated>1G	±4.13dB
6	Conducted Emission (9KHz-150KHz)	±3.18dB
7	Conducted Emission (150KHz-30MHz)	±2.70dB

2.GENERAL INFORMATION

2.1. GENERAL DESCRIPTION OF THE EUT

<table>
<tr><td>Product Name</td><td>KidiBuzz™ G2</td></tr>
<tr><td>Trade Name</td><td>vtech</td></tr>
<tr><td>Model Name</td><td>1866</td></tr>
<tr><td>Series Model</td><td>N/A</td></tr>
<tr><td>Model Difference</td><td>N/A</td></tr>
<tr><td>Product Description</td><td>The EUT is a KidiBuzz G2 which supports Wi-Fi 802.11a/b/g/n with DFS wireless technologies. This report for Wi-Fi 802.11a/n operation only.
<table>
<tr><td rowspan="2">Operation Frequency:</td><td>IEEE 802.11a/n(HT20) 5.180GHz-5.240GHz
IEEE 802.11n(HT40) 5.190GHz-5.230GHz</td></tr>
<tr><td>IEEE 802.11a/n(HT20)5.500GHz-5.700GHz
IEEE 802.11n(HT40)5.510GHz-5.670</td></tr>
<tr><td>Modulation Type:</td><td>802.11a(OFDM):
BPSK,QPSK,16-QAM,64-QAM
802.11n(OFDM):
BPSK,QPSK,16-QAM,64-QAM</td></tr>
<tr><td>Antenna Designation:</td><td>See Note 2</td></tr>
<tr><td>Max.Output Power(Conducted):</td><td>12.19dBm</td></tr>
<tr><td>Duty Cycle:</td><td>>98%</td></tr>
</table>
More details of EUT technical specification, please refer to the User's Manual.</td></tr>
<tr><td>Test Channel</td><td>Please refer to the Note 2.</td></tr>
<tr><td>Adapter</td><td>Model: VT00EUS05150 (VTech)
Input: AC100-240V 50/60Hz 0.2A
Output: DC 5V@1500mA</td></tr>
<tr><td>Battery</td><td>Model: SP605062 (VTech)
DC 3.7V@2300mAh/8.51Wh Li-ion battery</td></tr>
<tr><td>Connecting I/O Port(s)</td><td>Please refer to the User's Manual</td></tr>
</table>

1Note:For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.

RF Channel and Frequency of Wi-Fi 802.11 a/n			
802.11a/n(HT20)			
36	**5180**	**116**	**5580**
40	**5200**	120	5600
44	5220	124	5620
48	**5240**	128	5640
100	**5500**	132	5660
104	5520	136	5680
108	5540	**140**	**5700**
112	5560	\	\
802.11n(HT40)			
RF Channel	**Freq.(MHz)**	**RF Channel**	**Freq.(MHz)**
38	**5190**	118	5590
46	**5230**	126	5630
102	**5510**	**134**	**5670**
110	5550	****	****

Note:
In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:
Carrier Frequency Channel

5GHz:

For 802.11a/n(HT20)			
Channel	**Freq.(MHz)**	**Channel**	**Freq.(MHz)**
36	5180	100	5500
40	5200	116	5580
48	5240	140	5700

For 802.11n(HT40)			
Channel	**Freq.(MHz)**	**Channel**	**Freq.(MHz)**
38	5190	102	5510
46	5230	110	5550
\	\	134	5670

2.

Ant.	Brand	Model Name	Ant Type	Connector	Gain (dBi)	NOTE
A	vtech	1866	PCB Antenna	N/A	0	WLAN Ant.

2.2. DESCRIPTION OF TEST MODES

Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

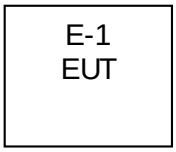
Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11a CH36&CH40&CH48	6 Mbps
Mode 2	TX IEEE 802.11a CH100&CH116&CH140	6 Mbps
Mode 3	TX IEEE 802.11n(HT20) CH36&CH40&CH48	MCS 0
Mode 4	TX IEEE 802.11n(HT20) CH100&CH116&CH140	MCS 0
Mode 5	TX IEEE 802.11n(HT40) CH38&CH46	MCS 0
Mode 6	TX IEEE 802.11n(HT40) CH102&CH110&CH134	MCS 0
Mode 7	Wi-Fi transmitting mode	/

Note:

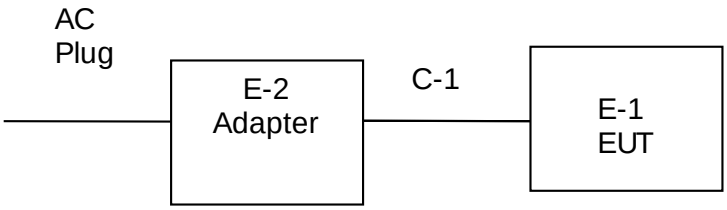
1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported
2) We have be tested for all avaiable U.S. voltage and frequencies(For 120V,50/60Hz and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V/60Hz is shown in the report
3) Controlled using a bespoke application on the laptop PC supplied by the customer. The application was used to enable a continuous transmission mode and to select the test channels, data rates and modulation schemes as required.

2.3. BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiation Test Set



Conduction Test Set



2.4. DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-2	Adapter	LeapFrog	VT00EUS05150	N/A	Accessories Equipment

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
1	SD Card	N/A	N/A	N/A	-
2	Earphone	OPPO	HiFi	N/A	1.2M
3	Personal computer	HP	TPN 1119	5CG6230MYY	N/A

Cable

Item	Shielded Type	Ferrite Core	Length	Note
C-1	Adapter DC Cable	NO	150cm	N/A
C-2	USB Cable	YES	60cm	N/A

Note:

(1) The support equipment was authorized by Declaration of Confirmation.

(2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

(3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

2.5. EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESCI	101427	2018.10.13	2019.10.12
Signal Analyzer	Agilent	N9020A	MY51110105	2019.03.02	2020.03.01
Active loop Antenna	ZHINAN	ZN30900C	16035	2018.03.11	2021.03.10
Bilog Antenna	TESEQ	CBL6111D	34678	2017.11.02	2020.11.01
Horn Antenna	SCHWARZBECK	BBHA 9120D(1201)	9120D-1343	2018.10.19	2021.10.18
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	J211020657	2018.03.11	2021.03.10
Pre-Amplifier (0.1M-3GHz)	EM	EM330	060665	2018.10.13	2019.10.12
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2018.10.13	2019.10.12
Temperature & Humidity	HH660	Mieo	N/A	2018.10.11	2019.10.10
turn table	EM	SC100_1	60531	N/A	N/A
Antenna mast	EM	SC100	N/A	N/A	N/A

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2018.10.13	2019.10.12
LISN	R&S	ENV216	101242	2018.10.11	2019.10.10
LISN	EMCO	3810/2NM	23625	2018.10.11	2019.10.10
Temperature & Humidity	HH660	Mieo	N/A	2018.10.11	2019.10.10

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
USB RF power sensor	DARE	RPR3006W	15I00041SNO03	2018.10.13	2019.10.12
Signal Analyzer	Agilent	N9020A	MY49100060	2018.10.13	2019.10.12
Temperature & Humidity	HH660	Mieo	N/A	2018.10.11	2019.10.10

Note:
The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

3.EMC EMISSION TEST

3.1.CONDUCTED EMISSION MEASUREMENT

3.1.1. POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class B (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	56.00	46.00	CISPR
5.0 -30.0	60.00	50.00	CISPR
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2. TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

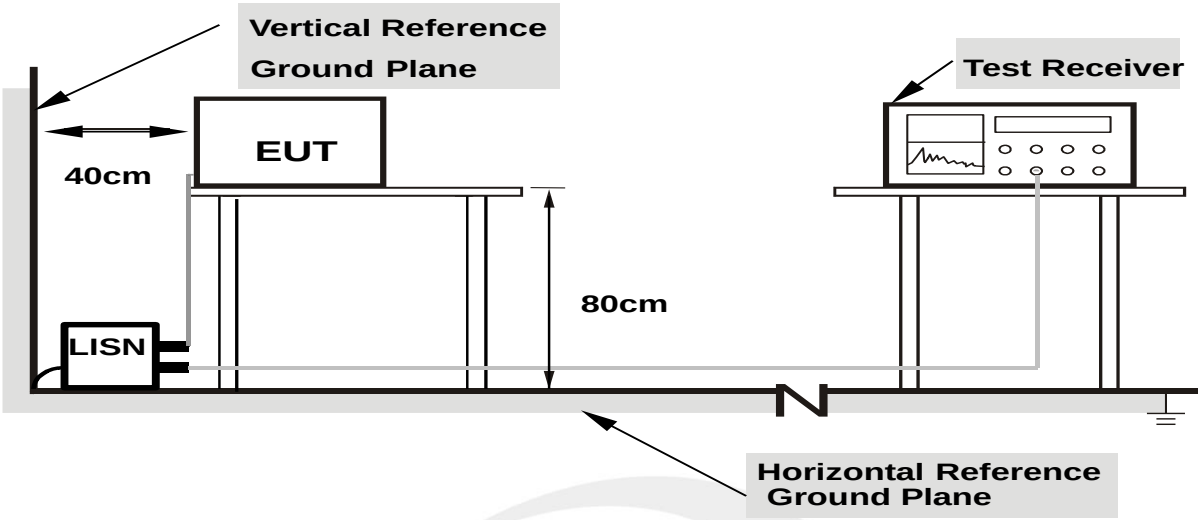
d. LISN at least 80 cm from nearest part of EUT chassis.

e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3. DEVIATION FROM TEST STANDARD

No deviation

3.1.4. TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5. EUT OPERATING CONDITIONS

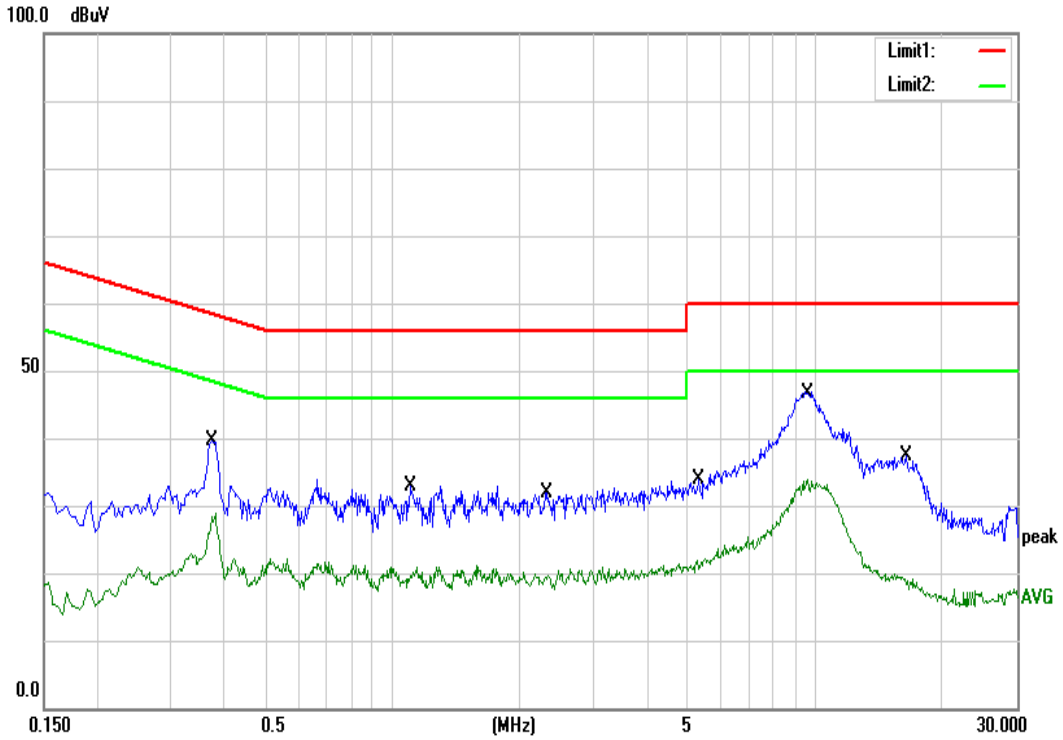
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

3.1.6. TEST RESULTS

Temperature:	22 ℃	Relative Humidity:	61%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode：	Mode 7		

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
0.3740	39.74	0.00	39.74	58.41	-18.67	QP
0.3740	28.92	0.00	28.92	48.41	-19.49	AVG
1.1020	32.49	0.00	32.49	56.00	-23.51	QP
1.1020	20.46	0.00	20.46	46.00	-25.54	AVG
2.3300	31.48	0.00	31.48	56.00	-24.52	QP
2.3300	20.05	0.00	20.05	46.00	-25.95	AVG
5.3300	33.35	0.00	33.35	60.00	-26.65	QP
5.3300	23.69	0.00	23.69	50.00	-26.31	AVG
9.6700	46.89	0.00	46.89	60.00	-13.11	QP
9.6700	33.44	0.00	33.44	50.00	-16.56	AVG
16.4740	37.91	0.00	37.91	60.00	-22.09	QP
16.4740	20.35	0.00	20.35	50.00	-29.65	AVG

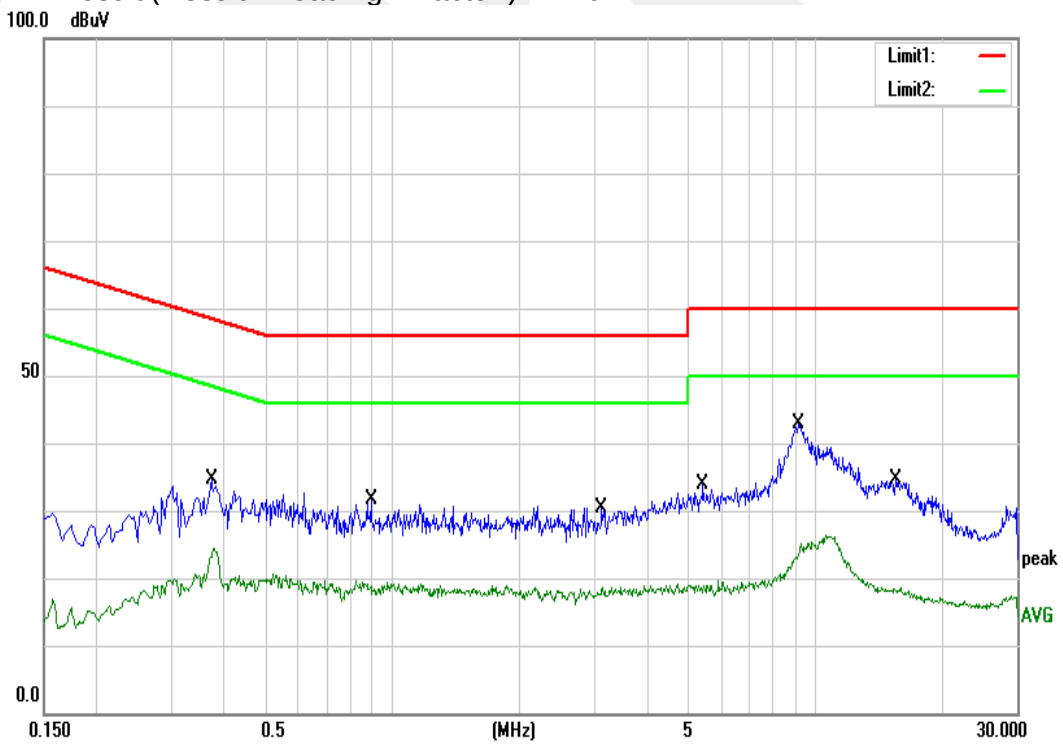
Remark:
1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit



Temperature:	22 ℃	Relative Humidity:	61%
Test Voltage	AC 120V/60Hz	Phase:	N
Test Mode	Mode 7		

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
0.3740	34.02	0.00	34.02	58.41	-24.39	QP
0.3740	24.00	0.00	24.00	48.41	-24.41	AVG
0.8900	30.63	0.00	30.63	56.00	-25.37	QP
0.8900	18.51	0.00	18.51	46.00	-27.49	AVG
3.1380	29.80	0.00	29.80	56.00	-26.20	QP
3.1380	18.20	0.00	18.20	46.00	-27.80	AVG
5.4220	33.29	0.00	33.29	60.00	-26.71	QP
5.4220	19.03	0.00	19.03	50.00	-30.97	AVG
9.1540	43.34	0.00	43.34	60.00	-16.66	QP
9.1540	26.76	0.00	26.76	50.00	-23.24	AVG
15.5340	34.59	0.00	34.59	60.00	-25.41	QP
15.5340	19.54	0.00	19.54	50.00	-30.46	AVG

Remark:
1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit



3.2. RADIATED EMISSION AND (BANDEDGE) MEASUREMENT

3.2.1. RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

In case the emission fall within the restricted band specified on 15.407(b)7& 15.205/209(a), then the (a); limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	68.2	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15E.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier harmonic(Peak/AV)
RB / VB (emission in restricted band)	1 MHz / 1 MHz, AV=1 MHz /3 MHz

For Band edge

Spectrum Parameter	Setting
Detector	Peak
RB / VB (emission in restricted band)	1 MHz / 1 MHz, AV=1 MHz /3 MHz

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters(above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarizations of the antenna are set to make the measurement
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

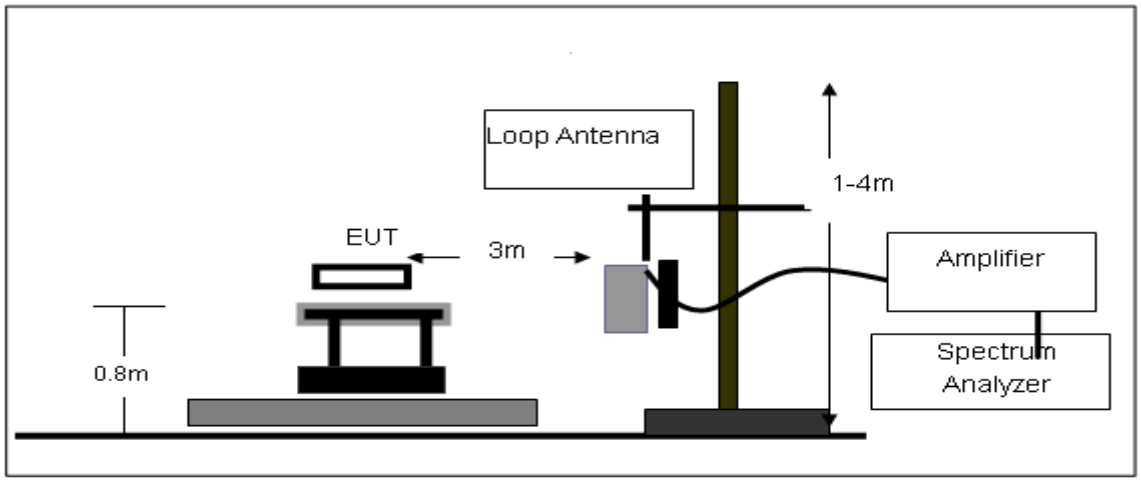
Both horizontal and vertical antenna polarities were tested and performed test to three orthogonal axis. The worst case emissions were reported

3.2.2. DEVIATION FROM TEST STANDARD

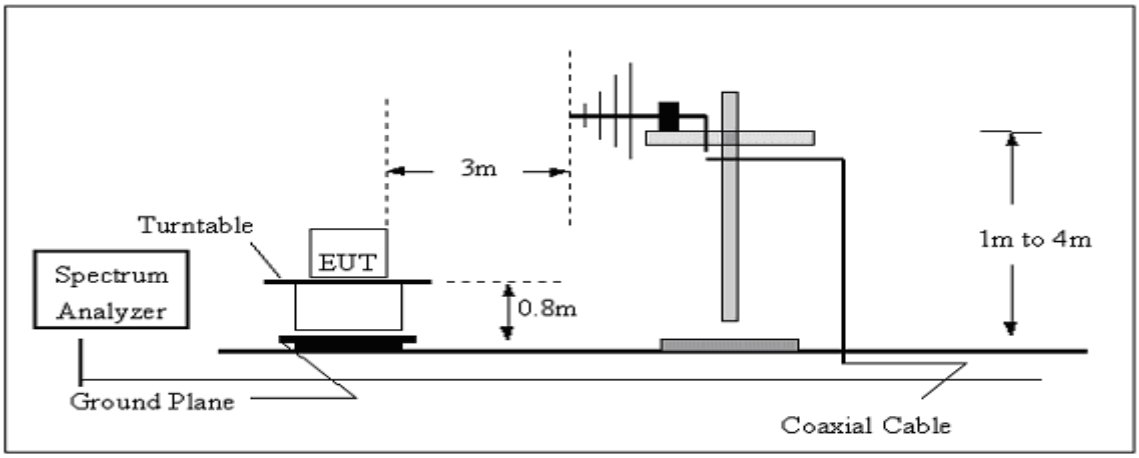
No deviation

3.2.3. TEST SETUP

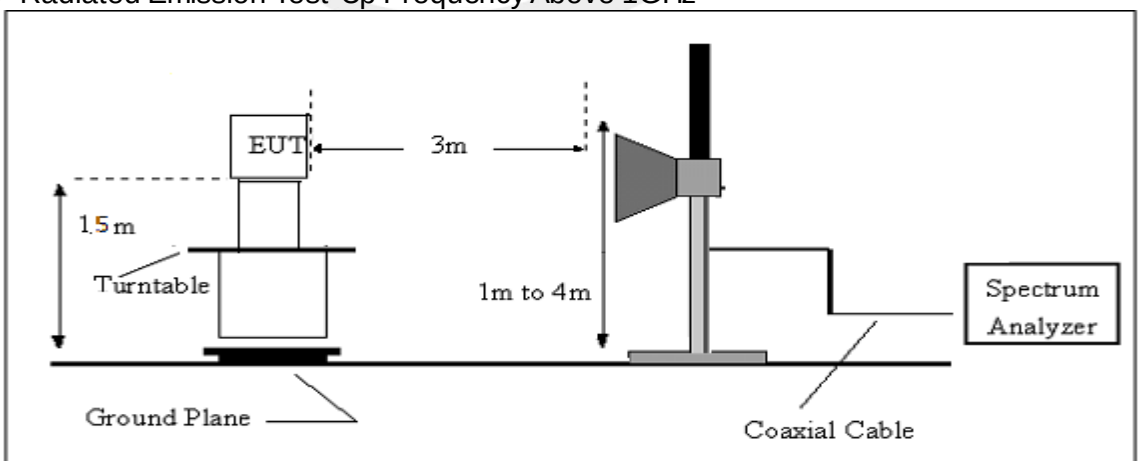
（A）Radiated Emission Test-Up Frequency Below 30MHz



（B）Radiated Emission Test-Up Frequency 30MHz~1GHz



（C）Radiated Emission Test-Up Frequency Above 1GHz



3.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBμV/m)	(dBμV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

Factor=AF+CL-AG

3.2.6 TEST RESULTS (Between 9KHz – 30 MHz, 26GHz – 40 GHz)

Temperature：	22.1 ℃	Relative Humidtity：	56%
Test Voltage ：	AC 120V/60Hz	Polarization :	--
Test Mode ：	TX Mode		

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	PASS
--	--	--	--	PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
Distance extrapolation factor =40 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor.

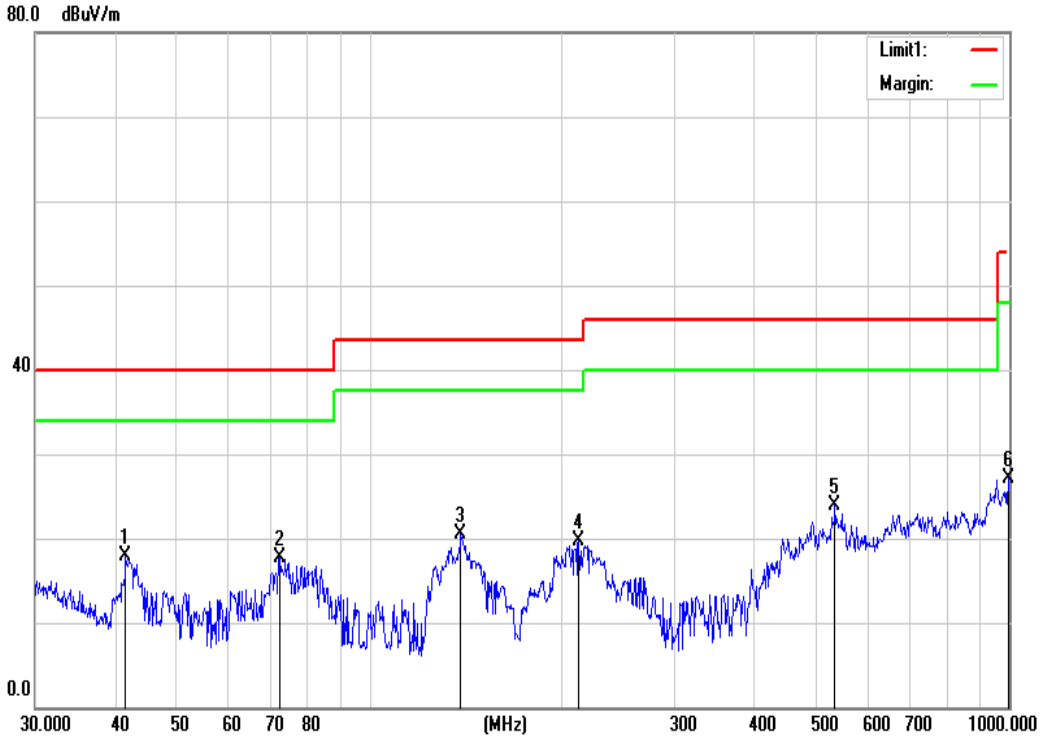
3.2.7 TEST RESULTS (Between 30MHz – 1GHz)

Temperature	22.1 ℃	Relative Humidtity:	56%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Mode 1-6(Mode 2 worst mode)		

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
41.5670	35.01	-17.13	17.88	40.00	-22.12	QP
72.3375	41.56	-23.78	17.78	40.00	-22.22	QP
138.8735	37.96	-17.51	20.45	43.50	-23.05	QP
212.2692	39.39	-19.60	19.79	43.50	-23.71	QP
533.8320	31.50	-7.58	23.92	46.00	-22.08	QP
996.4995	27.18	-0.09	27.09	54.00	-26.91	QP

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit

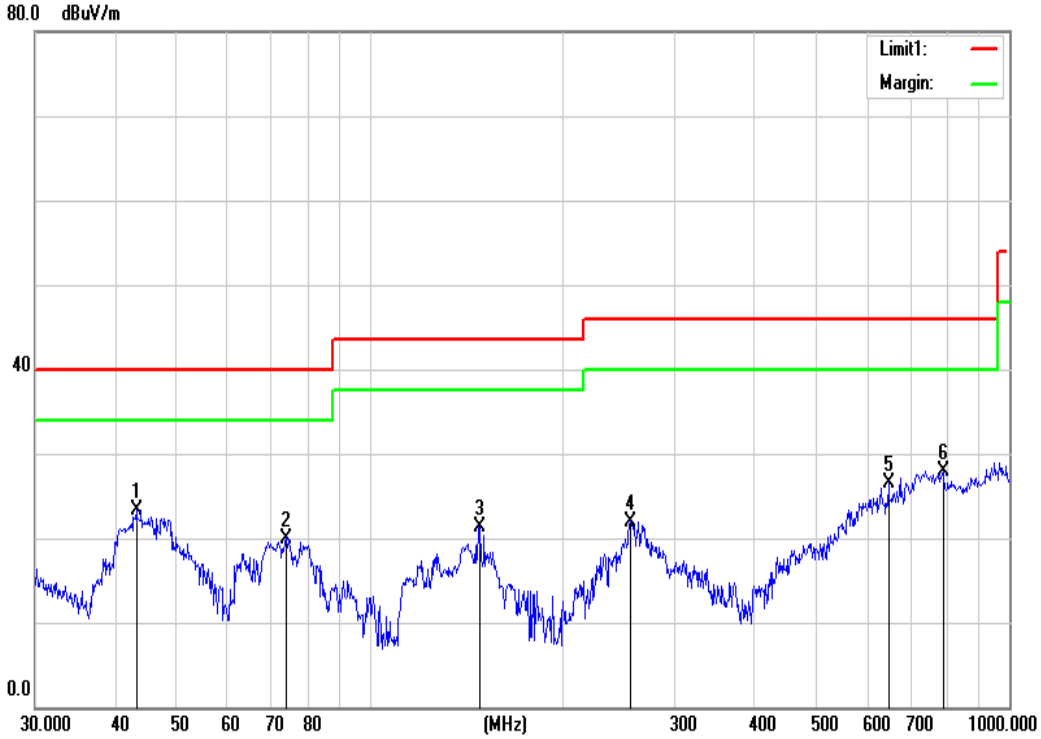


Temperature	22.1 ℃	Relative Humidtity:	56%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Mode 1-6(Mode 2 worst mode)		

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
43.2017	41.18	-17.97	23.21	40.00	-16.79	QP
74.1350	43.52	-23.52	20.00	40.00	-20.00	QP
148.9625	39.21	-17.92	21.29	43.50	-22.21	QP
255.6230	37.62	-15.62	22.00	46.00	-24.00	QP
647.3854	32.80	-6.32	26.48	46.00	-19.52	QP
787.8513	31.20	-3.24	27.96	46.00	-18.04	QP

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit

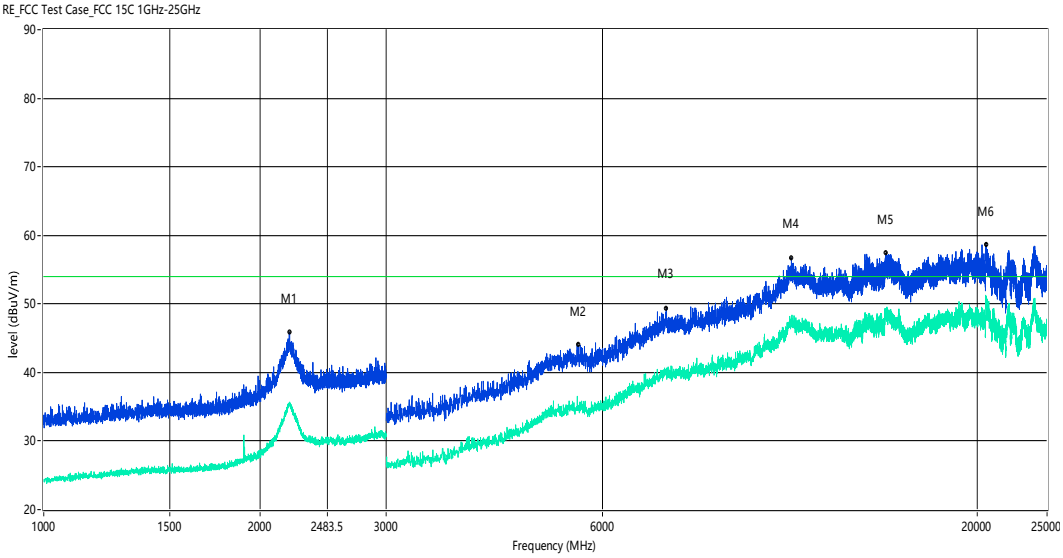


3.2.8 TEST RESULTS (Above 1000 MHz)

U-NII-1 5150-5250MHz

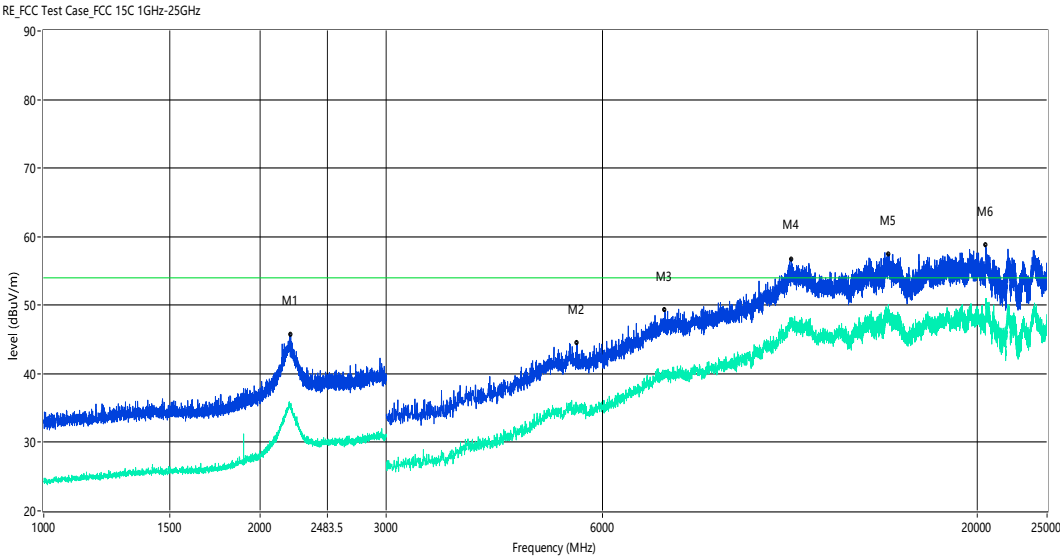
802.11 a CH Low

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2201.000	35.34	-7.26	54.0	-18.66	AV	V	Pass
1	2201.000	45.85	-7.26	74.0	-28.15	Peak	V	Pass
2**	5565.000	34.87	-1.27	54.0	-19.13	AV	V	Pass
2	5565.000	43.99	-1.27	74.0	-30.01	Peak	V	Pass
3**	7375.000	39.84	4.42	54.0	-14.16	AV	V	Pass
3	7375.000	49.35	4.42	74.0	-24.65	Peak	V	Pass
4**	11007.500	46.64	10.94	54.0	-7.36	AV	V	Pass
4	11007.500	56.72	10.94	74.0	-17.28	Peak	V	Pass
5**	14919.999	48.30	12.57	54.0	-5.70	AV	V	Pass
5	14919.999	57.37	12.57	74.0	-16.63	Peak	V	Pass
6**	20565.500	50.29	14.12	54.0	-3.71	AV	V	Pass
6	20565.500	58.62	14.12	74.0	-15.38	Peak	V	Pass

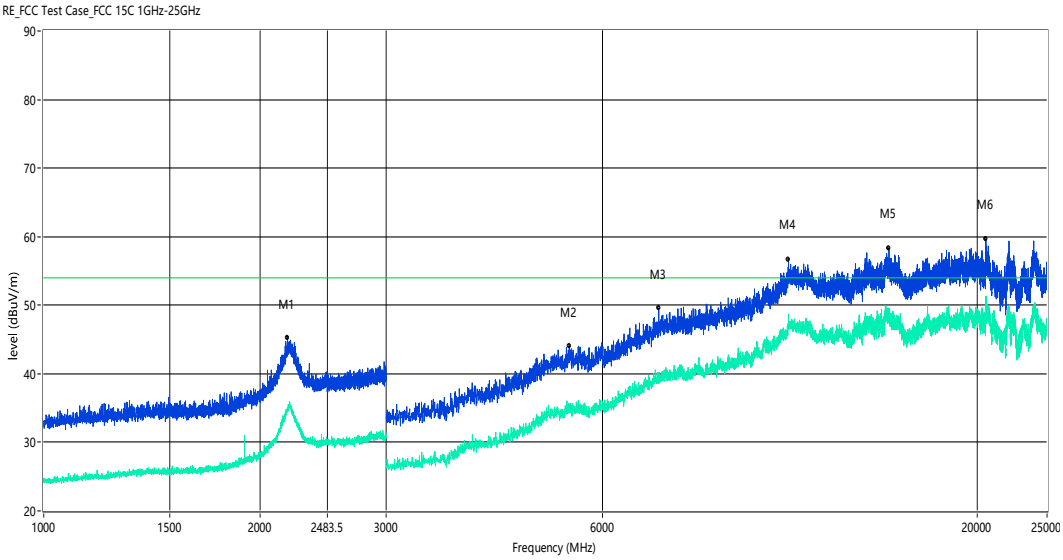
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2209.000	35.47	-7.65	54.0	-18.53	AV	H	Pass
1	2209.000	45.69	-7.65	74.0	-28.31	Peak	H	Pass
2**	5530.000	35.54	-1.43	54.0	-18.46	AV	H	Pass
2	5530.000	44.51	-1.43	74.0	-29.49	Peak	H	Pass
3**	7337.500	39.50	4.46	54.0	-14.50	AV	H	Pass
3	7337.500	49.27	4.46	74.0	-24.73	Peak	H	Pass
4**	11000.001	47.79	10.97	54.0	-6.21	AV	H	Pass
4	11000.001	56.69	10.97	74.0	-17.31	Peak	H	Pass
5**	15058.750	48.54	11.40	54.0	-5.46	AV	H	Pass
5	15058.750	57.40	11.40	74.0	-16.60	Peak	H	Pass
6**	20530.500	50.66	14.07	54.0	-3.34	AV	H	Pass
6	20530.500	58.69	14.07	74.0	-15.31	Peak	H	Pass

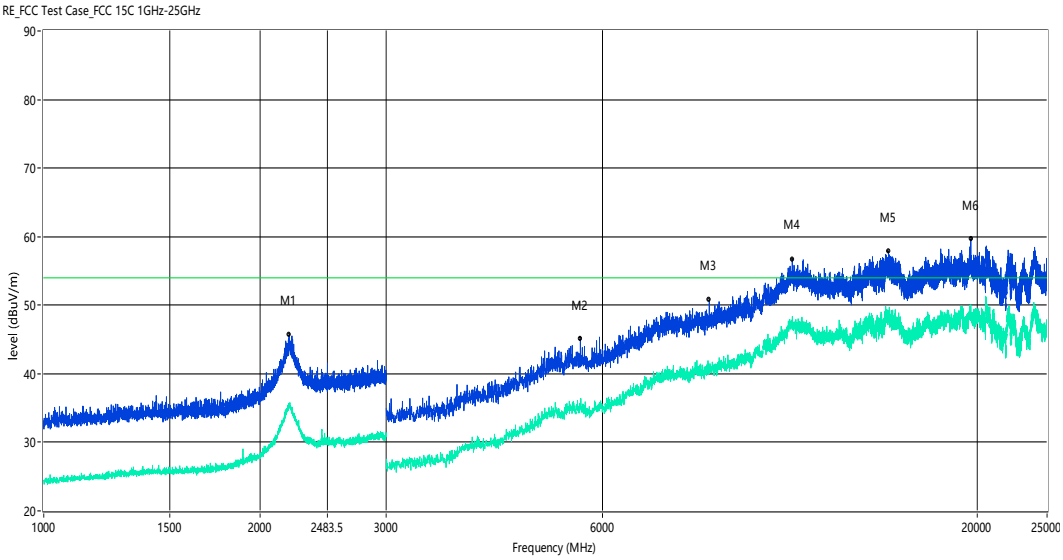
802.11 a CH Middle

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2186.500	34.98	-7.92	54.0	-19.02	AV	V	Pass
1	2186.500	45.26	-7.92	74.0	-28.74	Peak	V	Pass
2**	5397.500	34.79	-1.35	54.0	-19.21	AV	V	Pass
2	5397.500	44.02	-1.35	74.0	-29.98	Peak	V	Pass
3**	7192.500	38.57	3.69	54.0	-15.43	AV	V	Pass
3	7192.500	49.57	3.69	74.0	-24.43	Peak	V	Pass
4**	10905.000	48.72	10.58	54.0	-5.28	AV	V	Pass
4	10905.000	56.70	10.58	74.0	-17.30	Peak	V	Pass
5**	15056.250	48.73	11.44	54.0	-5.27	AV	V	Pass
5	15056.250	58.36	11.44	74.0	-15.64	Peak	V	Pass
6**	20548.000	50.28	14.10	54.0	-3.72	AV	V	Pass
6	20548.000	59.71	14.10	74.0	-14.29	Peak	V	Pass

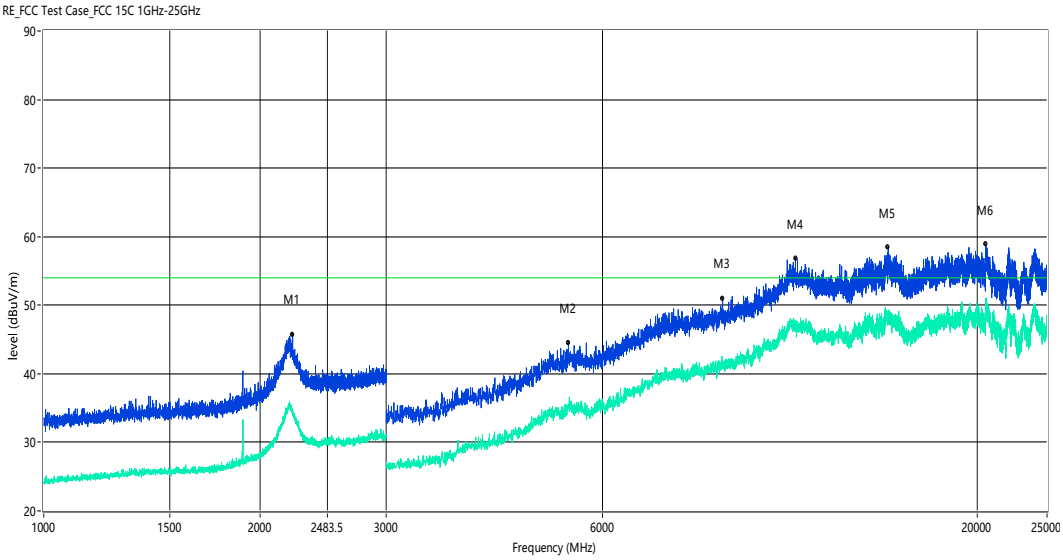
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2196.500	35.13	-7.40	54.0	-18.87	AV	H	Pass
1	2196.500	45.64	-7.40	74.0	-28.36	Peak	H	Pass
2**	5592.500	34.91	-1.14	54.0	-19.09	AV	H	Pass
2	5592.500	45.09	-1.14	74.0	-28.91	Peak	H	Pass
3**	8457.500	40.51	4.94	54.0	-13.49	AV	H	Pass
3	8457.500	50.74	4.94	74.0	-23.26	Peak	H	Pass
4**	11037.500	47.38	10.81	54.0	-6.62	AV	H	Pass
4	11037.500	56.71	10.81	74.0	-17.29	Peak	H	Pass
5**	15033.750	48.07	11.80	54.0	-5.93	AV	H	Pass
5	15033.750	57.83	11.80	74.0	-16.17	Peak	H	Pass
6**	19576.750	50.04	16.89	54.0	-3.96	AV	H	Pass
6	19576.750	59.67	16.89	74.0	-14.33	Peak	H	Pass

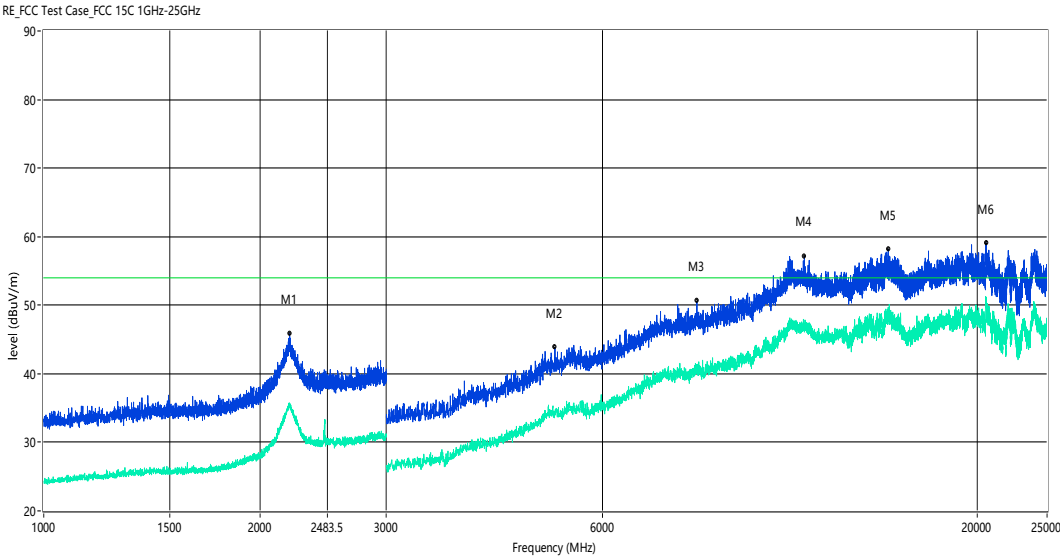
802.11 a CH High

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2222.500	34.23	-8.31	54.0	-19.77	AV	V	Pass
1	2222.500	45.72	-8.31	74.0	-28.28	Peak	V	Pass
2**	5382.500	35.01	-1.47	54.0	-18.99	AV	V	Pass
2	5382.500	44.54	-1.47	74.0	-29.46	Peak	V	Pass
3**	8830.000	40.82	5.06	54.0	-13.18	AV	V	Pass
3	8830.000	50.96	5.06	74.0	-23.04	Peak	V	Pass
4**	11150.000	46.87	10.51	54.0	-7.13	AV	V	Pass
4	11150.000	56.86	10.51	74.0	-17.14	Peak	V	Pass
5**	15016.250	48.05	12.09	54.0	-5.95	AV	V	Pass
5	15016.250	58.46	12.09	74.0	-15.54	Peak	V	Pass
6**	20537.500	50.51	14.08	54.0	-3.49	AV	V	Pass
6	20537.500	58.90	14.08	74.0	-15.10	Peak	V	Pass

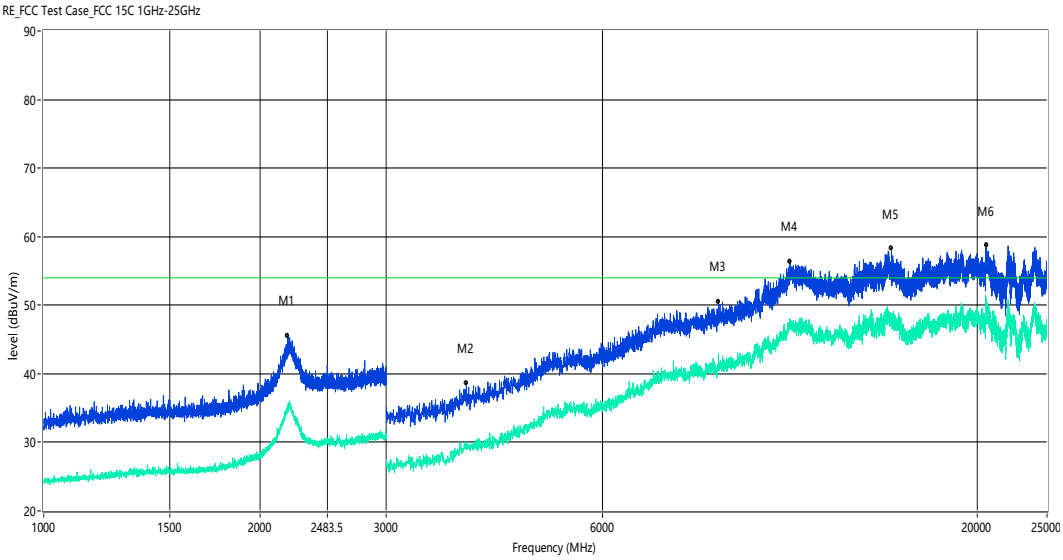
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2200.000	35.45	-7.21	54.0	-18.55	AV	H	Pass
1	2200.000	45.86	-7.21	74.0	-28.14	Peak	H	Pass
2**	5155.000	33.94	-1.83	54.0	-20.06	AV	H	Pass
2	5155.000	43.86	-1.83	74.0	-30.14	Peak	H	Pass
3**	8130.000	40.31	5.26	54.0	-13.69	AV	H	Pass
3	8130.000	50.58	5.26	74.0	-23.42	Peak	H	Pass
4**	11475.000	46.99	10.81	54.0	-7.01	AV	H	Pass
4	11475.000	57.15	10.81	74.0	-16.85	Peak	H	Pass
5**	15022.500	48.43	11.98	54.0	-5.57	AV	H	Pass
5	15022.500	58.15	11.98	74.0	-15.85	Peak	H	Pass
6**	20563.751	50.93	14.12	54.0	-3.07	AV	H	Pass
6	20563.751	59.08	14.12	74.0	-14.92	Peak	H	Pass

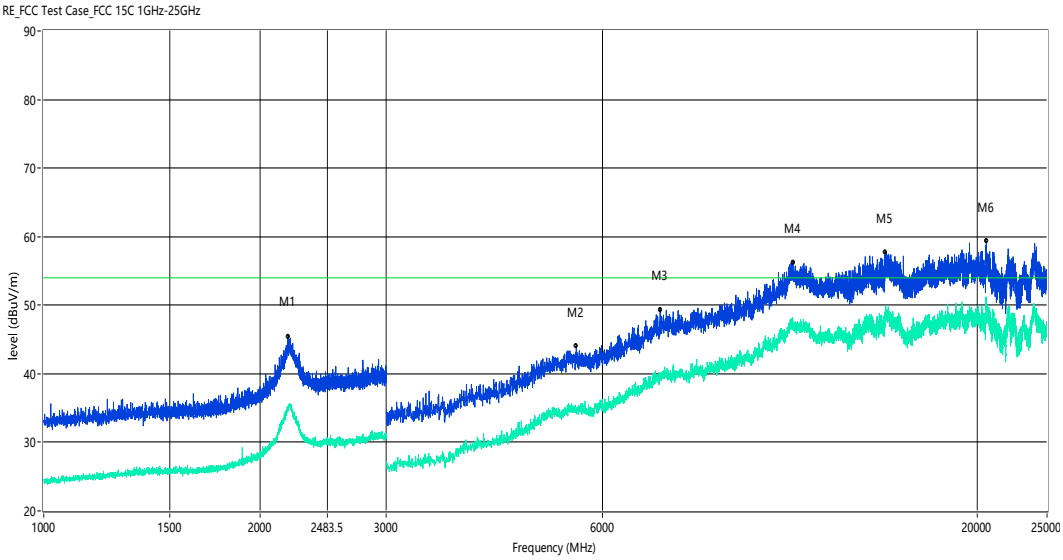
802.11 n(HT20) CH Low

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2187.500	34.84	-7.87	54.0	-19.16	AV	V	Pass
1	2187.500	45.57	-7.87	74.0	-28.43	Peak	V	Pass
2**	3880.000	28.99	-8.11	54.0	-25.01	AV	V	Pass
2	3880.000	38.70	-8.11	74.0	-35.30	Peak	V	Pass
3**	8710.000	41.24	5.36	54.0	-12.76	AV	V	Pass
3	8710.000	50.54	5.36	74.0	-23.46	Peak	V	Pass
4**	10960.000	48.03	10.81	54.0	-5.97	AV	V	Pass
4	10960.000	56.42	10.81	74.0	-17.58	Peak	V	Pass
5**	15173.750	47.49	11.08	54.0	-6.51	AV	V	Pass
5	15173.750	58.24	11.08	74.0	-15.76	Peak	V	Pass
6**	20581.249	48.87	14.14	54.0	-5.13	AV	V	Pass
6	20581.249	58.78	14.14	74.0	-15.22	Peak	V	Pass

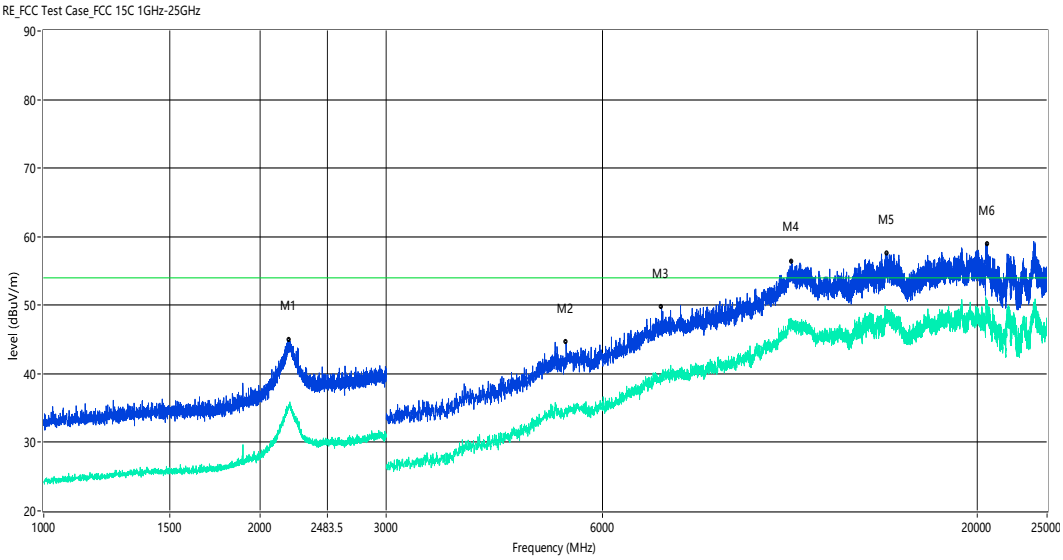
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2191.500	35.36	-7.66	54.0	-18.64	AV	H	Pass
1	2191.500	45.42	-7.66	74.0	-28.58	Peak	H	Pass
2**	5520.000	34.74	-1.47	54.0	-19.26	AV	H	Pass
2	5520.000	44.01	-1.47	74.0	-29.99	Peak	H	Pass
3**	7225.000	39.17	3.87	54.0	-14.83	AV	H	Pass
3	7225.000	49.33	3.87	74.0	-24.67	Peak	H	Pass
4**	11065.000	46.80	10.69	54.0	-7.20	AV	H	Pass
4	11065.000	56.23	10.69	74.0	-17.77	Peak	H	Pass
5**	14872.500	48.54	12.27	54.0	-5.46	AV	H	Pass
5	14872.500	57.65	12.27	74.0	-16.35	Peak	H	Pass
6**	20569.000	49.69	14.13	54.0	-4.31	AV	H	Pass
6	20569.000	59.30	14.13	74.0	-14.70	Peak	H	Pass

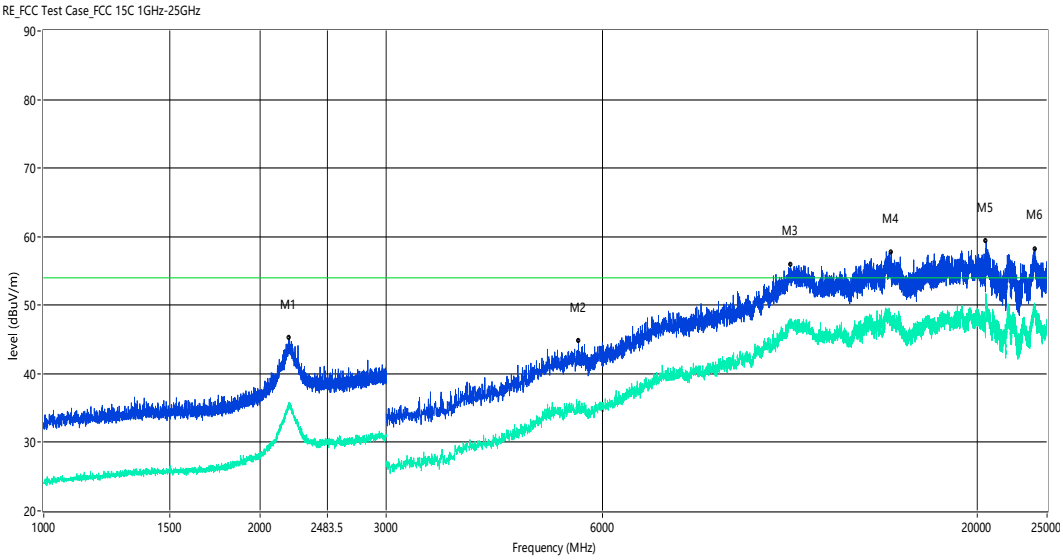
802.11 n(HT20) CH Middle

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2199.500	35.52	-7.24	54.0	-18.48	AV	V	Pass
1	2199.500	44.97	-7.24	74.0	-29.03	Peak	V	Pass
2**	5342.500	35.03	-1.80	54.0	-18.97	AV	V	Pass
2	5342.500	44.64	-1.80	74.0	-29.36	Peak	V	Pass
3**	7260.000	39.95	4.16	54.0	-14.05	AV	V	Pass
3	7260.000	49.67	4.16	74.0	-24.33	Peak	V	Pass
4**	11020.000	47.35	10.88	54.0	-6.65	AV	V	Pass
4	11020.000	56.43	10.88	74.0	-17.57	Peak	V	Pass
5**	14957.500	48.67	12.47	54.0	-5.33	AV	V	Pass
5	14957.500	57.50	12.47	74.0	-16.50	Peak	V	Pass
6**	20632.001	50.14	14.22	54.0	-3.86	AV	V	Pass
6	20632.001	58.91	14.22	74.0	-15.09	Peak	V	Pass

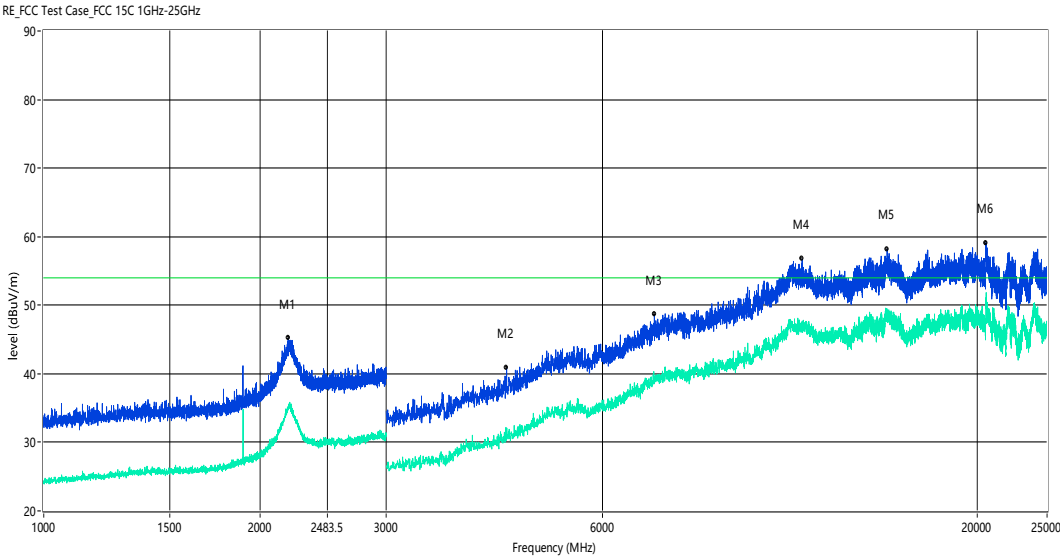
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2199.500	35.25	-7.24	54.0	-18.75	AV	H	Pass
1	2199.500	45.23	-7.24	74.0	-28.77	Peak	H	Pass
2**	5560.000	34.50	-1.29	54.0	-19.50	AV	H	Pass
2	5560.000	44.79	-1.29	74.0	-29.21	Peak	H	Pass
3**	10975.000	46.84	10.87	54.0	-7.16	AV	H	Pass
3	10975.000	55.86	10.87	74.0	-18.14	Peak	H	Pass
4**	15158.750	47.82	11.01	54.0	-6.18	AV	H	Pass
4	15158.750	57.71	11.01	74.0	-16.29	Peak	H	Pass
5**	20556.751	51.58	14.11	54.0	-2.42	AV	H	Pass
5	20556.751	59.36	14.11	74.0	-14.64	Peak	H	Pass
6**	24041.001	48.64	15.09	54.0	-5.36	AV	H	Pass
6	24041.001	58.19	15.09	74.0	-15.81	Peak	H	Pass

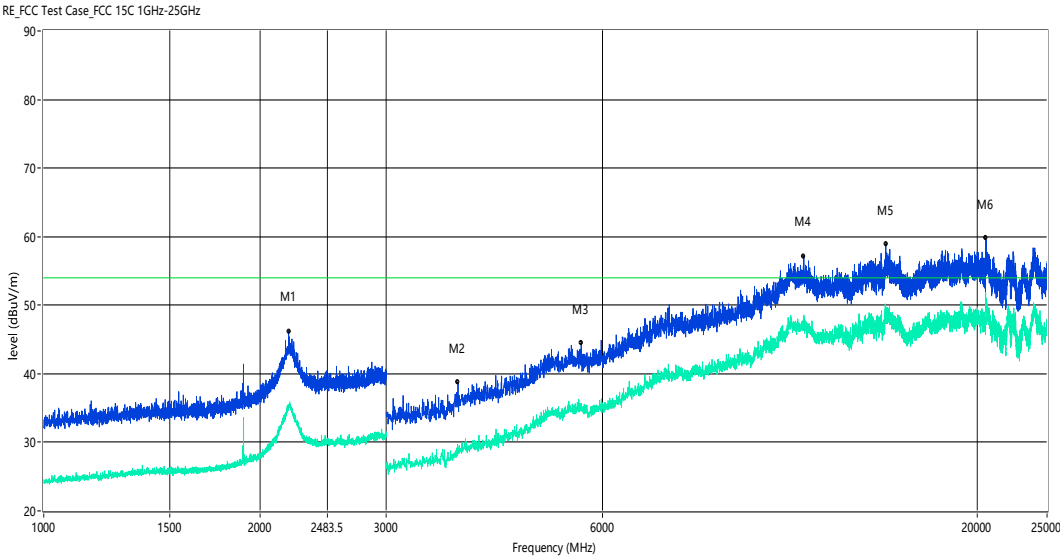
802.11 n(HT20) CH High

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2191.000	34.77	-7.69	54.0	-19.23	AV	V	Pass
1	2191.000	45.17	-7.69	74.0	-28.83	Peak	V	Pass
2**	4415.000	30.80	-5.98	54.0	-23.20	AV	V	Pass
2	4415.000	40.84	-5.98	74.0	-33.16	Peak	V	Pass
3**	7092.500	39.68	3.92	54.0	-14.32	AV	V	Pass
3	7092.500	48.62	3.92	74.0	-25.38	Peak	V	Pass
4**	11392.500	46.73	10.83	54.0	-7.27	AV	V	Pass
4	11392.500	56.74	10.83	74.0	-17.26	Peak	V	Pass
5**	14965.000	49.16	12.45	54.0	-4.84	AV	V	Pass
5	14965.000	58.18	12.45	74.0	-15.82	Peak	V	Pass
6**	20551.500	50.81	14.10	54.0	-3.19	AV	V	Pass
6	20551.500	59.13	14.10	74.0	-14.87	Peak	V	Pass

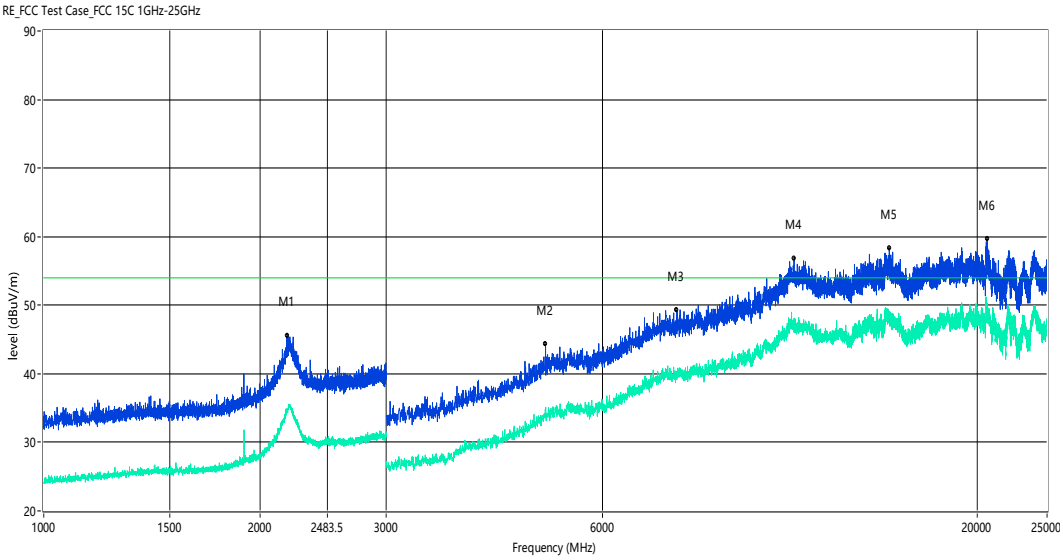
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2194.000	34.95	-7.53	54.0	-19.05	AV	H	Pass
1	2194.000	46.17	-7.53	74.0	-27.83	Peak	H	Pass
2**	3777.500	28.86	-8.53	54.0	-25.14	AV	H	Pass
2	3777.500	38.80	-8.53	74.0	-35.20	Peak	H	Pass
3**	5607.500	35.51	-1.14	54.0	-18.49	AV	H	Pass
3	5607.500	44.42	-1.14	74.0	-29.58	Peak	H	Pass
4**	11457.500	48.56	10.83	54.0	-5.44	AV	H	Pass
4	11457.500	57.18	10.83	74.0	-16.82	Peak	H	Pass
5**	14902.500	48.88	12.62	54.0	-5.12	AV	H	Pass
5	14902.500	58.96	12.62	74.0	-15.04	Peak	H	Pass
6**	20534.000	50.50	14.08	54.0	-3.50	AV	H	Pass
6	20534.000	59.79	14.08	74.0	-14.21	Peak	H	Pass

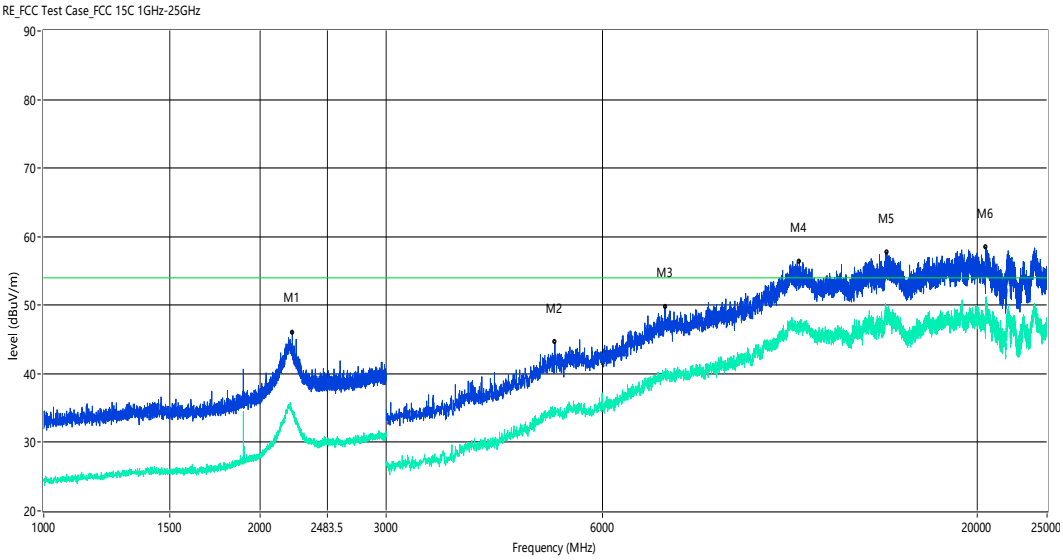
802.11 n(HT40) CH Low

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2182.000	34.51	-8.16	54.0	-19.49	AV	V	Pass
1	2182.000	45.51	-8.16	74.0	-28.49	Peak	V	Pass
2**	5002.500	33.92	-2.51	54.0	-20.08	AV	V	Pass
2	5002.500	44.28	-2.51	74.0	-29.72	Peak	V	Pass
3**	7620.000	40.37	4.77	54.0	-13.63	AV	V	Pass
3	7620.000	49.25	4.77	74.0	-24.75	Peak	V	Pass
4**	11100.000	47.74	10.54	54.0	-6.26	AV	V	Pass
4	11100.000	56.74	10.54	74.0	-17.26	Peak	V	Pass
5**	15068.750	48.49	11.23	54.0	-5.51	AV	V	Pass
5	15068.750	58.24	11.23	74.0	-15.76	Peak	V	Pass
6**	20628.500	49.60	14.21	54.0	-4.40	AV	V	Pass
6	20628.500	59.66	14.21	74.0	-14.34	Peak	V	Pass

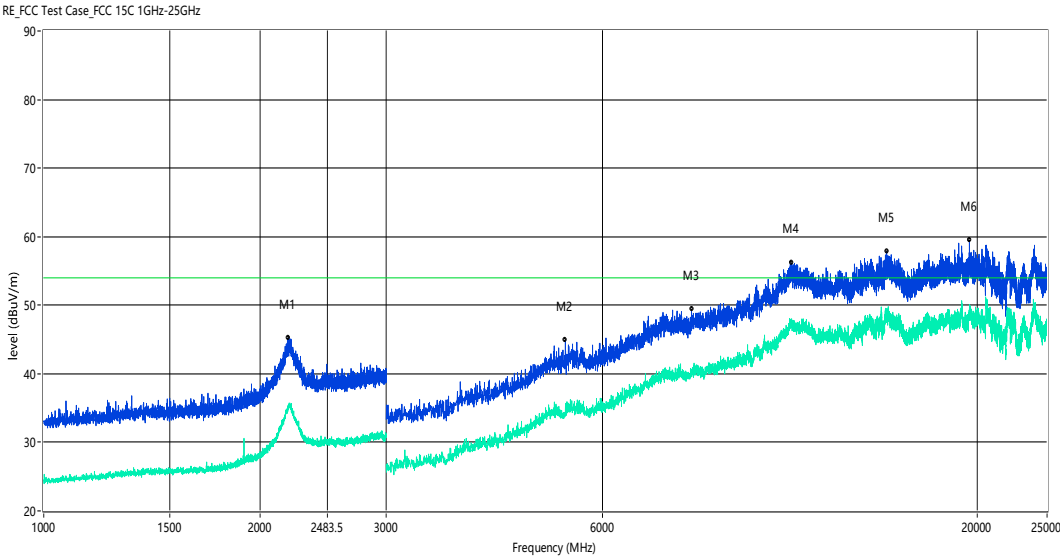
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2219.500	34.14	-8.16	54.0	-19.86	AV	H	Pass
1	2219.500	46.03	-8.16	74.0	-27.97	Peak	H	Pass
2**	5155.000	35.11	-1.83	54.0	-18.89	AV	H	Pass
2	5155.000	44.63	-1.83	74.0	-29.37	Peak	H	Pass
3**	7352.500	40.02	4.44	54.0	-13.98	AV	H	Pass
3	7352.500	49.81	4.44	74.0	-24.19	Peak	H	Pass
4**	11290.000	46.52	10.27	54.0	-7.48	AV	H	Pass
4	11290.000	56.29	10.27	74.0	-17.71	Peak	H	Pass
5**	14957.500	48.76	12.47	54.0	-5.24	AV	H	Pass
5	14957.500	57.66	12.47	74.0	-16.34	Peak	H	Pass
6**	20549.751	50.48	14.10	54.0	-3.52	AV	H	Pass
6	20549.751	58.46	14.10	74.0	-15.54	Peak	H	Pass

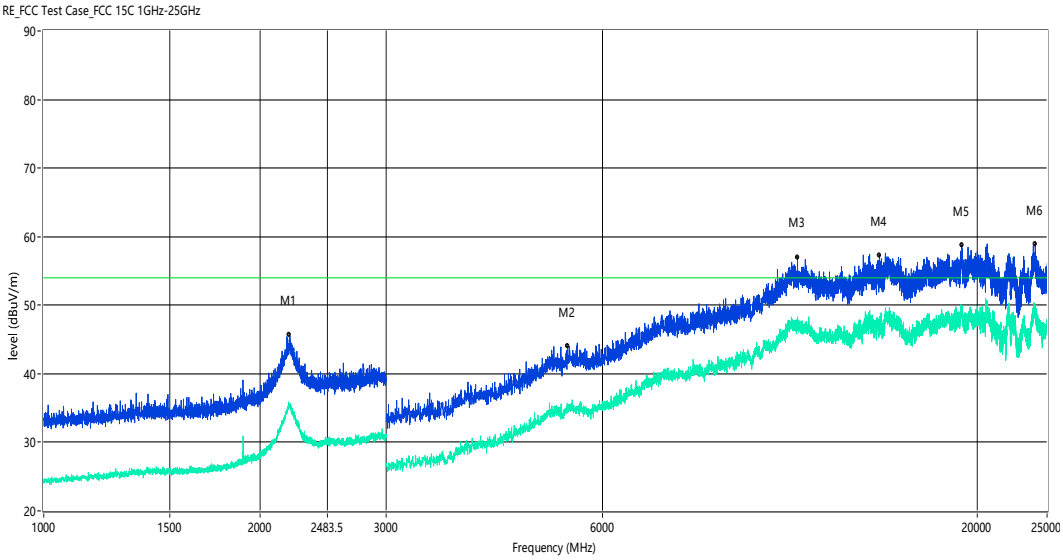
802.11 n(HT40) CH High

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2193.000	35.30	-7.58	54.0	-18.70	AV	V	Pass
1	2193.000	45.24	-7.58	74.0	-28.76	Peak	V	Pass
2**	5330.000	34.67	-1.90	54.0	-19.33	AV	V	Pass
2	5330.000	44.90	-1.90	74.0	-29.10	Peak	V	Pass
3**	7990.000	39.92	4.83	54.0	-14.08	AV	V	Pass
3	7990.000	49.41	4.83	74.0	-24.59	Peak	V	Pass
4**	11010.000	47.34	10.93	54.0	-6.66	AV	V	Pass
4	11010.000	56.16	10.93	74.0	-17.84	Peak	V	Pass
5**	14943.750	48.45	12.51	54.0	-5.55	AV	V	Pass
5	14943.750	57.83	12.51	74.0	-16.17	Peak	V	Pass
6**	19487.500	48.77	17.27	54.0	-5.23	AV	V	Pass
6	19487.500	59.44	17.27	74.0	-14.56	Peak	V	Pass

Horizontal

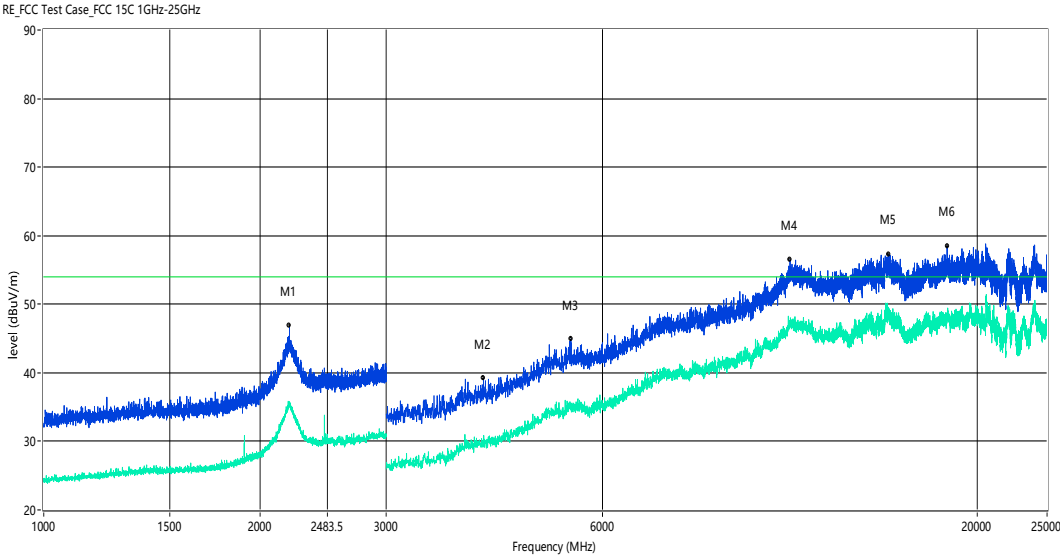


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2199.000	35.19	-7.26	54.0	-18.81	AV	H	Pass
1	2199.000	45.63	-7.26	74.0	-28.37	Peak	H	Pass
2**	5372.500	34.86	-1.55	54.0	-19.14	AV	H	Pass
2	5372.500	44.05	-1.55	74.0	-29.95	Peak	H	Pass
3**	11227.500	47.15	10.42	54.0	-6.85	AV	H	Pass
3	11227.500	57.01	10.42	74.0	-16.99	Peak	H	Pass
4**	14607.500	47.59	11.58	54.0	-6.41	AV	H	Pass
4	14607.500	57.22	11.58	74.0	-16.78	Peak	H	Pass
5**	19016.749	49.23	15.25	54.0	-4.77	AV	H	Pass
5	19016.749	58.74	15.25	74.0	-15.26	Peak	H	Pass
6**	24070.750	48.76	15.09	54.0	-5.24	AV	H	Pass
6	24070.750	58.89	15.09	74.0	-15.11	Peak	H	Pass

U-NII-2C 5470-5725MHz

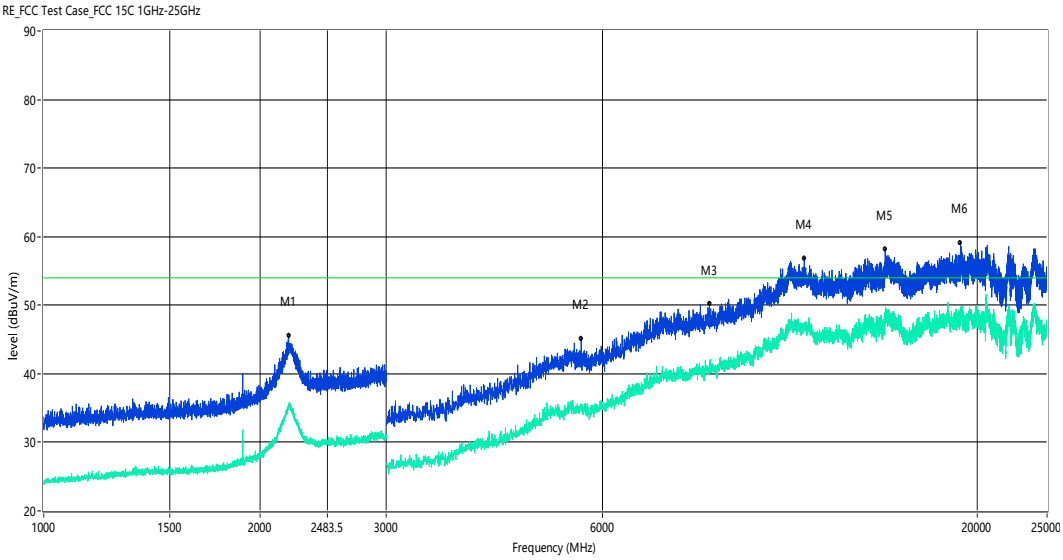
802.11 a CH Low

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2199.500	35.76	-7.24	54.0	-18.24	AV	V	Pass
1	2199.500	46.83	-7.24	74.0	-27.17	Peak	V	Pass
2**	4100.000	29.25	-6.90	54.0	-24.75	AV	V	Pass
2	4100.000	39.20	-6.90	74.0	-34.80	Peak	V	Pass
3**	5425.000	34.55	-1.39	54.0	-19.45	AV	V	Pass
3	5425.000	44.93	-1.39	74.0	-29.07	Peak	V	Pass
4**	10960.000	47.30	10.81	54.0	-6.70	AV	V	Pass
4	10960.000	56.50	10.81	74.0	-17.50	Peak	V	Pass
5**	15047.500	48.90	11.58	54.0	-5.10	AV	V	Pass
5	15047.500	57.29	11.58	74.0	-16.71	Peak	V	Pass
6**	18141.749	48.45	12.39	54.0	-5.55	AV	V	Pass
6	18141.749	58.50	12.39	74.0	-15.50	Peak	V	Pass

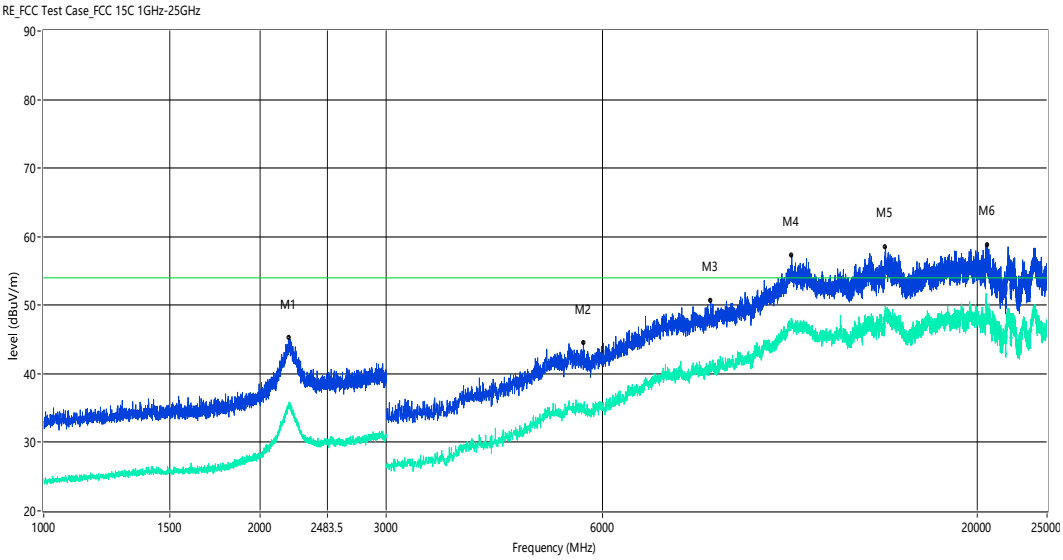
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2194.000	35.43	-7.53	54.0	-18.57	AV	H	Pass
1	2194.000	45.54	-7.53	74.0	-28.46	Peak	H	Pass
2**	5607.500	34.97	-1.14	54.0	-19.03	AV	H	Pass
2	5607.500	45.16	-1.14	74.0	-28.84	Peak	H	Pass
3**	8462.500	40.07	4.97	54.0	-13.93	AV	H	Pass
3	8462.500	50.22	4.97	74.0	-23.78	Peak	H	Pass
4**	11470.000	47.30	10.82	54.0	-6.70	AV	H	Pass
4	11470.000	56.78	10.82	74.0	-17.22	Peak	H	Pass
5**	14872.500	48.99	12.27	54.0	-5.01	AV	H	Pass
5	14872.500	58.14	12.27	74.0	-15.86	Peak	H	Pass
6**	18932.750	48.45	13.79	54.0	-5.55	AV	H	Pass
6	18932.750	59.12	13.79	74.0	-14.88	Peak	H	Pass

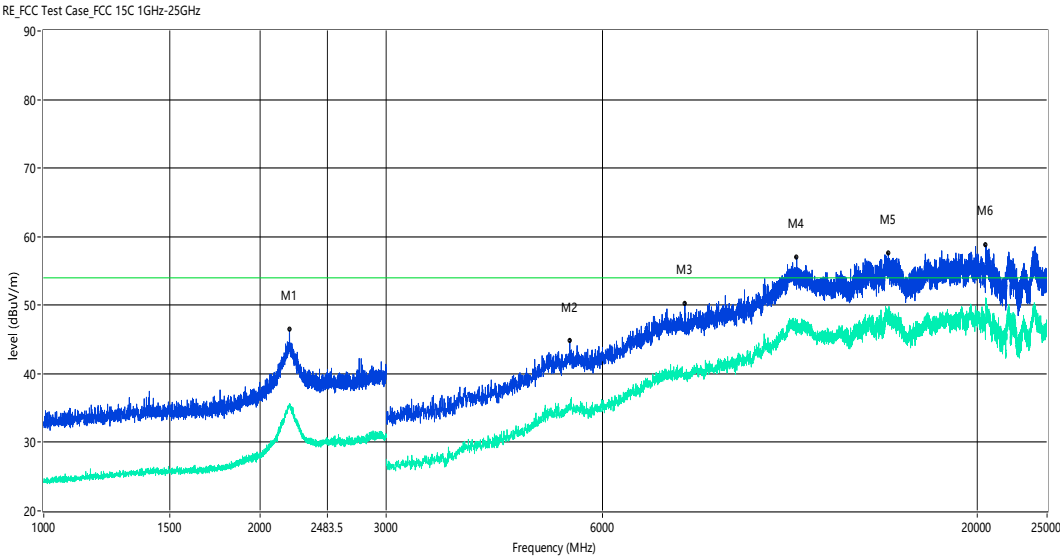
802.11 a CH Middle

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2195.000	35.21	-7.47	54.0	-18.79	AV	V	Pass
1	2195.000	45.18	-7.47	74.0	-28.82	Peak	V	Pass
2**	5647.500	34.63	-1.29	54.0	-19.37	AV	V	Pass
2	5647.500	44.54	-1.29	74.0	-29.46	Peak	V	Pass
3**	8500.000	40.26	5.16	54.0	-13.74	AV	V	Pass
3	8500.000	50.59	5.16	74.0	-23.41	Peak	V	Pass
4**	11022.500	48.00	10.87	54.0	-6.00	AV	V	Pass
4	11022.500	57.26	10.87	74.0	-16.74	Peak	V	Pass
5**	14893.750	48.62	12.55	54.0	-5.38	AV	V	Pass
5	14893.750	58.50	12.55	74.0	-15.50	Peak	V	Pass
6**	20619.749	49.53	14.20	54.0	-4.47	AV	V	Pass
6	20619.749	58.82	14.20	74.0	-15.18	Peak	V	Pass

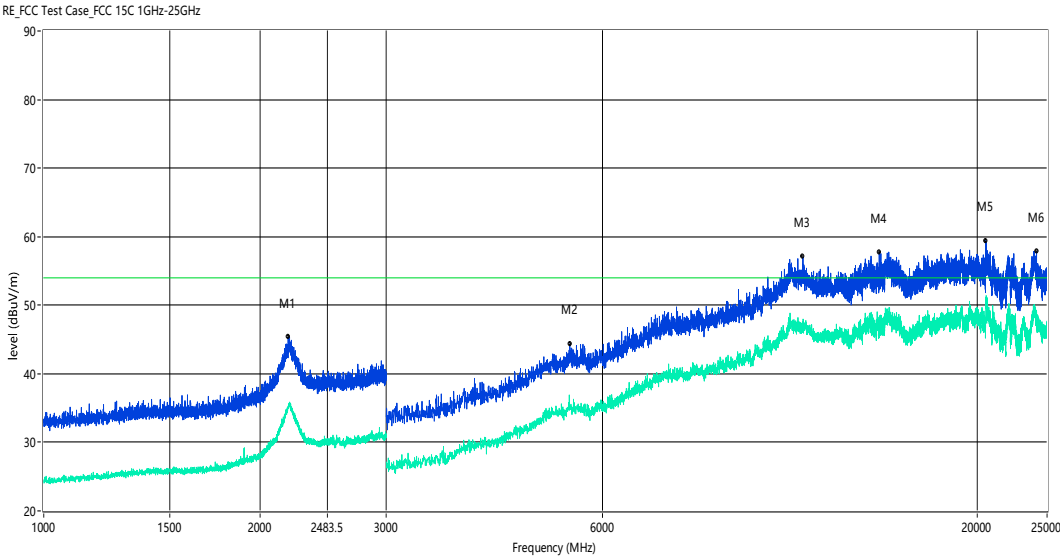
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2200.500	35.52	-7.23	54.0	-18.48	AV	H	Pass
1	2200.500	46.38	-7.23	74.0	-27.62	Peak	H	Pass
2**	5407.500	35.26	-1.35	54.0	-18.74	AV	H	Pass
2	5407.500	44.81	-1.35	74.0	-29.19	Peak	H	Pass
3**	7822.500	39.42	4.07	54.0	-14.58	AV	H	Pass
3	7822.500	50.24	4.07	74.0	-23.76	Peak	H	Pass
4**	11200.000	46.45	10.49	54.0	-7.55	AV	H	Pass
4	11200.000	56.94	10.49	74.0	-17.06	Peak	H	Pass
5**	15023.750	48.68	11.96	54.0	-5.32	AV	H	Pass
5	15023.750	57.54	11.96	74.0	-16.46	Peak	H	Pass
6**	20532.251	50.61	14.08	54.0	-3.39	AV	H	Pass
6	20532.251	58.82	14.08	74.0	-15.18	Peak	H	Pass

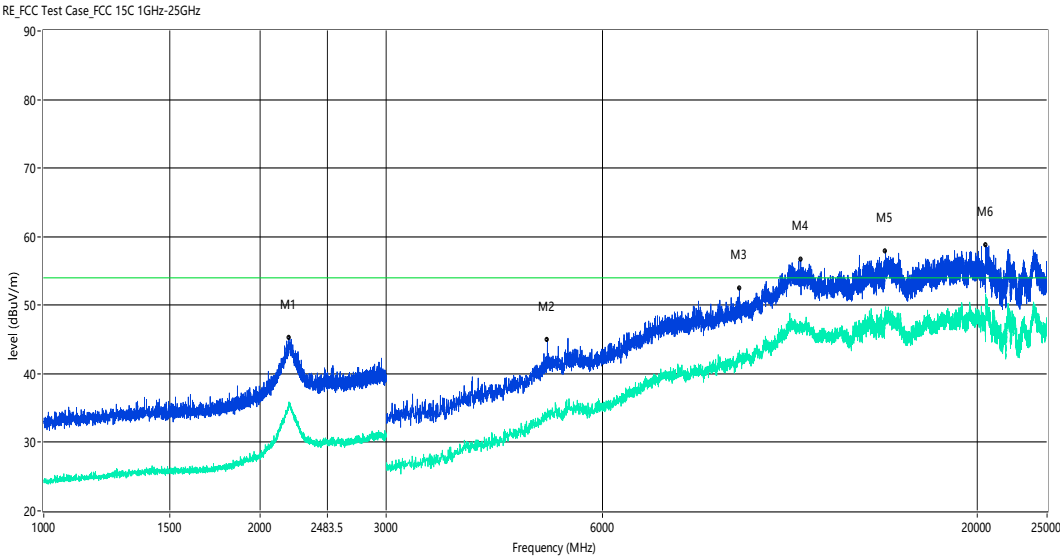
802.11 a CH High

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2190.000	35.09	-7.74	54.0	-18.91	AV	V	Pass
1	2190.000	45.37	-7.74	74.0	-28.63	Peak	V	Pass
2**	5407.500	34.99	-1.35	54.0	-19.01	AV	V	Pass
2	5407.500	44.37	-1.35	74.0	-29.63	Peak	V	Pass
3**	11425.000	46.92	10.85	54.0	-7.08	AV	V	Pass
3	11425.000	57.03	10.85	74.0	-16.97	Peak	V	Pass
4**	14591.250	47.28	11.55	54.0	-6.72	AV	V	Pass
4	14591.250	57.71	11.55	74.0	-16.29	Peak	V	Pass
5**	20534.000	50.83	14.08	54.0	-3.17	AV	V	Pass
5	20534.000	59.43	14.08	74.0	-14.57	Peak	V	Pass
6**	24163.500	48.38	15.09	54.0	-5.62	AV	V	Pass
6	24163.500	57.83	15.09	74.0	-16.17	Peak	V	Pass

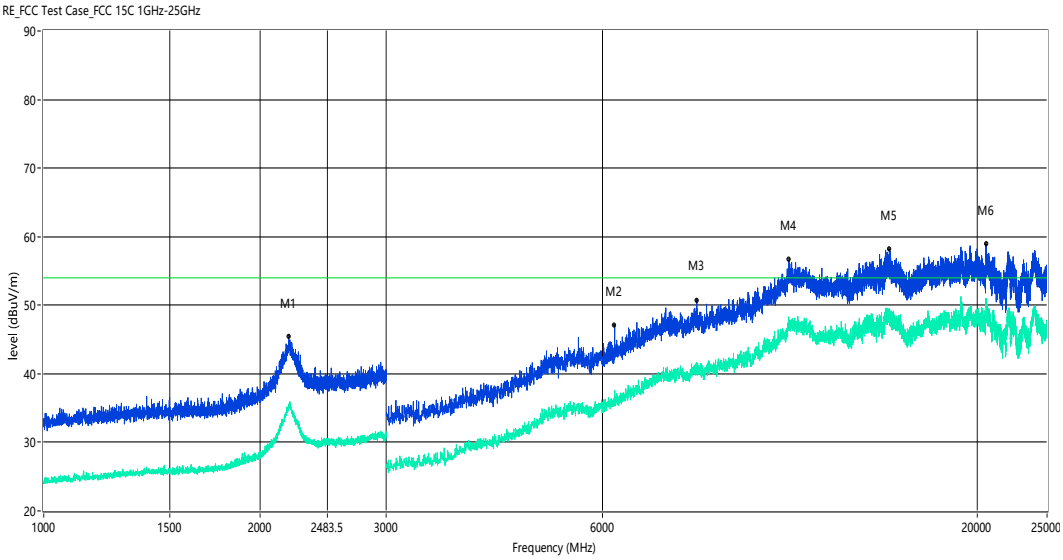
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2196.000	35.91	-7.42	54.0	-18.09	AV	H	Pass
1	2196.000	45.26	-7.42	74.0	-28.74	Peak	H	Pass
2**	5032.500	33.65	-2.31	54.0	-20.35	AV	H	Pass
2	5032.500	44.93	-2.31	74.0	-29.07	Peak	H	Pass
3**	9317.500	42.22	5.80	54.0	-11.78	AV	H	Pass
3	9317.500	52.39	5.80	74.0	-21.61	Peak	H	Pass
4**	11342.500	47.57	10.51	54.0	-6.43	AV	H	Pass
4	11342.500	56.62	10.51	74.0	-17.38	Peak	H	Pass
5**	14892.500	48.50	12.53	54.0	-5.50	AV	H	Pass
5	14892.500	57.81	12.53	74.0	-16.19	Peak	H	Pass
6**	20542.751	50.15	14.09	54.0	-3.85	AV	H	Pass
6	20542.751	58.77	14.09	74.0	-15.23	Peak	H	Pass

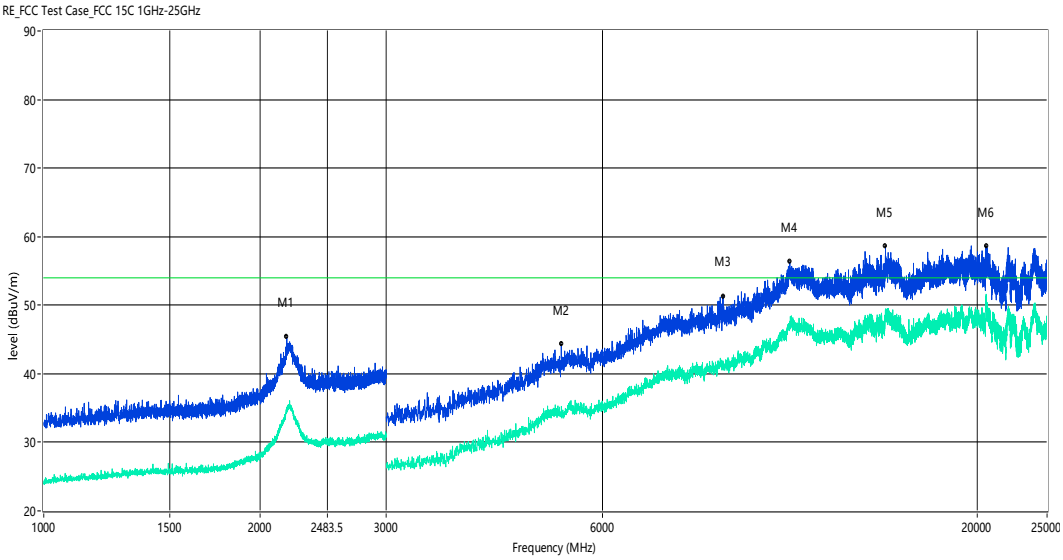
802.11 n(HT20) CH Low

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2194.000	34.98	-7.53	54.0	-19.02	AV	V	Pass
1	2194.000	45.41	-7.53	74.0	-28.59	Peak	V	Pass
2**	6245.000	36.45	0.10	54.0	-17.55	AV	V	Pass
2	6245.000	47.03	0.10	74.0	-26.97	Peak	V	Pass
3**	8127.500	40.55	5.28	54.0	-13.45	AV	V	Pass
3	8127.500	50.72	5.28	74.0	-23.28	Peak	V	Pass
4**	10922.500	47.42	10.65	54.0	-6.58	AV	V	Pass
4	10922.500	56.59	10.65	74.0	-17.41	Peak	V	Pass
5**	15072.500	48.12	11.17	54.0	-5.88	AV	V	Pass
5	15072.500	58.17	11.17	74.0	-15.83	Peak	V	Pass
6**	20567.251	50.67	14.12	54.0	-3.33	AV	V	Pass
6	20567.251	58.94	14.12	74.0	-15.06	Peak	V	Pass

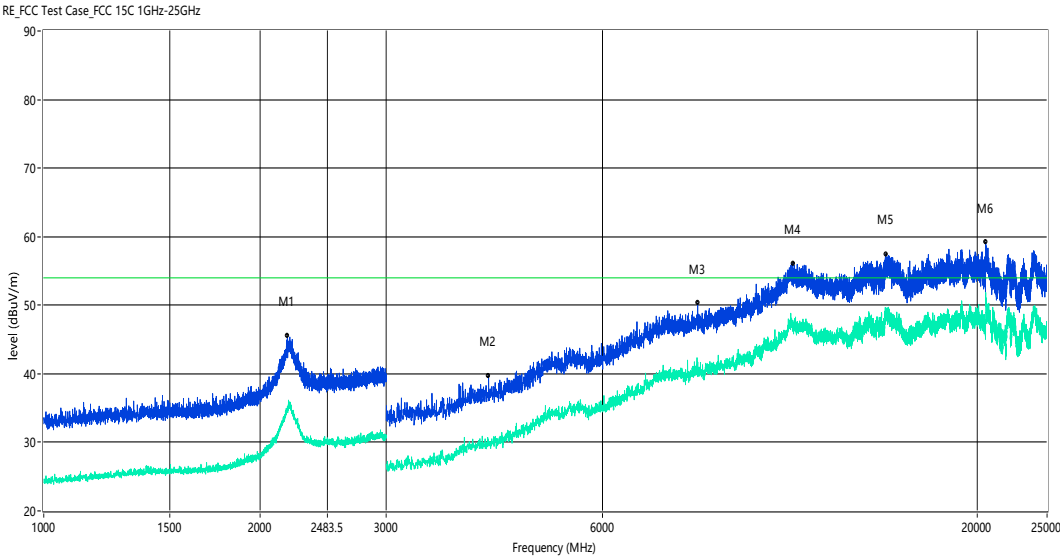
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2181.000	35.16	-8.22	54.0	-18.84	AV	H	Pass
1	2181.000	45.32	-8.22	74.0	-28.68	Peak	H	Pass
2**	5260.000	34.39	-2.01	54.0	-19.61	AV	H	Pass
2	5260.000	44.33	-2.01	74.0	-29.67	Peak	H	Pass
3**	8839.999	41.89	5.04	54.0	-12.11	AV	H	Pass
3	8839.999	51.29	5.04	74.0	-22.71	Peak	H	Pass
4**	10955.000	47.64	10.79	54.0	-6.36	AV	H	Pass
4	10955.000	56.29	10.79	74.0	-17.71	Peak	H	Pass
5**	14888.750	49.16	12.48	54.0	-4.84	AV	H	Pass
5	14888.750	58.54	12.48	74.0	-15.46	Peak	H	Pass
6**	20565.500	51.35	14.12	54.0	-2.65	AV	H	Pass
6	20565.500	58.62	14.12	74.0	-15.38	Peak	H	Pass

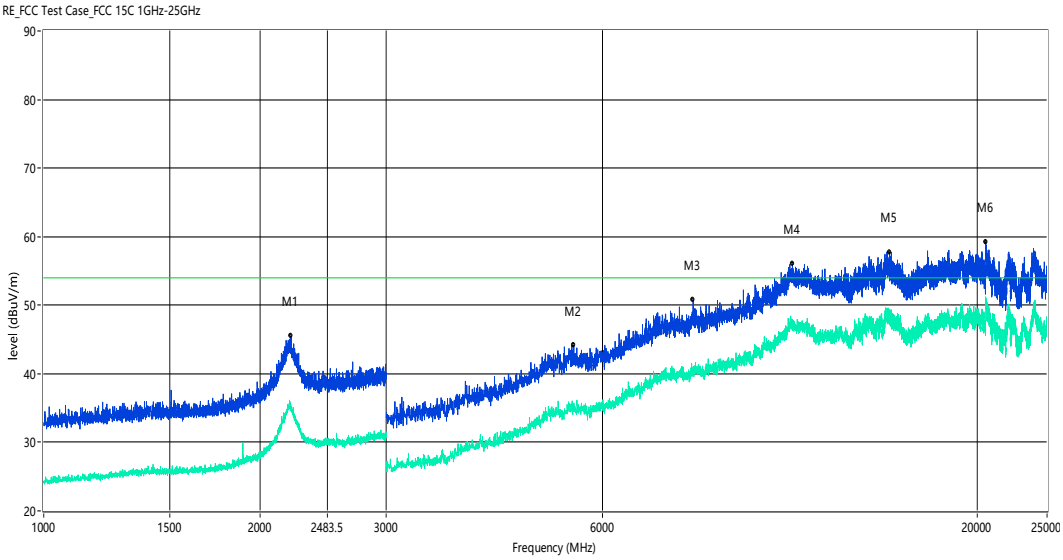
802.11 n(HT20) CH Middle

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2184.500	35.00	-8.03	54.0	-19.00	AV	V	Pass
1	2184.500	45.49	-8.03	74.0	-28.51	Peak	V	Pass
2**	4167.500	30.02	-6.58	54.0	-23.98	AV	V	Pass
2	4167.500	39.72	-6.58	74.0	-34.28	Peak	V	Pass
3**	8150.000	40.44	5.12	54.0	-13.56	AV	V	Pass
3	8150.000	50.32	5.12	74.0	-23.68	Peak	V	Pass
4**	11060.000	46.90	10.71	54.0	-7.10	AV	V	Pass
4	11060.000	56.08	10.71	74.0	-17.92	Peak	V	Pass
5**	14902.500	48.43	12.62	54.0	-5.57	AV	V	Pass
5	14902.500	57.46	12.62	74.0	-16.54	Peak	V	Pass
6**	20528.751	50.41	13.42	54.0	-3.59	AV	V	Pass
6	20528.751	59.19	13.42	74.0	-14.81	Peak	V	Pass

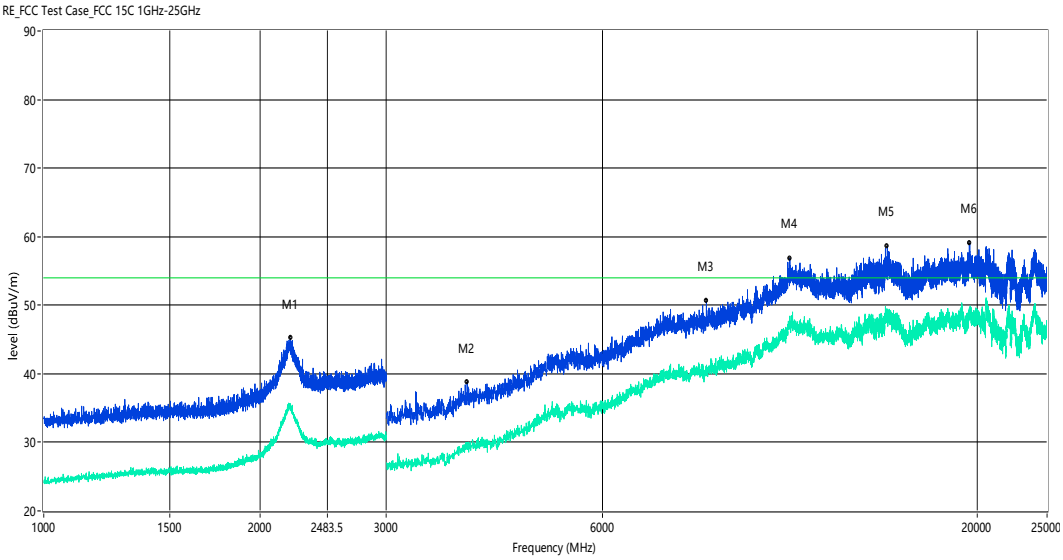
Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2211.500	35.26	-7.77	54.0	-18.74	AV	H	Pass
1	2211.500	45.52	-7.77	74.0	-28.48	Peak	H	Pass
2**	5477.500	35.22	-1.51	54.0	-18.78	AV	H	Pass
2	5477.500	44.13	-1.51	74.0	-29.87	Peak	H	Pass
3**	8030.000	41.01	5.06	54.0	-12.99	AV	H	Pass
3	8030.000	50.81	5.06	74.0	-23.19	Peak	H	Pass
4**	11042.500	46.77	10.79	54.0	-7.23	AV	H	Pass
4	11042.500	56.00	10.79	74.0	-18.00	Peak	H	Pass
5**	15077.500	49.10	11.09	54.0	-4.90	AV	H	Pass
5	15077.500	57.76	11.09	74.0	-16.24	Peak	H	Pass
6**	20541.000	50.42	14.09	54.0	-3.58	AV	H	Pass
6	20541.000	59.27	14.09	74.0	-14.73	Peak	H	Pass

802.11 n(HT20) CH High

Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2206.500	34.93	-7.53	54.0	-19.07	AV	V	Pass
1	2206.500	45.19	-7.53	74.0	-28.81	Peak	V	Pass
2**	3890.000	29.41	-8.08	54.0	-24.59	AV	V	Pass
2	3890.000	38.79	-8.08	74.0	-35.21	Peak	V	Pass
3**	8380.000	41.12	4.65	54.0	-12.88	AV	V	Pass
3	8380.000	50.58	4.65	74.0	-23.42	Peak	V	Pass
4**	10955.000	46.99	10.79	54.0	-7.01	AV	V	Pass
4	10955.000	56.86	10.79	74.0	-17.14	Peak	V	Pass
5**	14975.000	47.86	12.42	54.0	-6.14	AV	V	Pass
5	14975.000	58.64	12.42	74.0	-15.36	Peak	V	Pass
6**	19510.249	48.72	17.35	54.0	-5.28	AV	V	Pass
6	19510.249	59.09	17.35	74.0	-14.91	Peak	V	Pass