TEST REPORT

Product Name:	GPON ONT
Trade Mark:	Claro
Model No.:	DTW5512CL
Report Number:	24071712723RFC-2
Test Standards:	FCC 47 CFR Part 15 Subpart E
FCC ID:	2AL9QDTW5512CL00001
Test Result:	PASS
Date of Issue:	September 27, 2024

Prepared for:

Shenzhen Jiuzhou Electric Co., Ltd.
6F, Jiuzhou Electric Building, Southern No. 12 Rd. High-tech Industrial Park, Nanshan District, Shenzhen, China

Prepared by:

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Date: September 27, 2024

Version

Version No.	Date	Description
V1.0	September 27, 2024	Original

CONTENTS

1. GENERAL INFORMATION

1.1 CLIENT INFORMATION

Applicant:	Shenzhen Jiuzhou Electric Co., Ltd.
Address of Applicant:	6F, Jiuzhou Electric Building, Southern No. 12 Rd. High-tech Industrial Park, Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen Jiuzhou Electric Co., Ltd.
Address of Manufacturer:	6F, Jiuzhou Electric Building, Southern No. 12 Rd. High-tech Industrial Park, Nanshan District, Shenzhen, China

1.2 EUT INFORMATION

1.2.1 General Description of EUT

Product Name:	GPON ONT		
Model No.:	DTW5512CL		
Trade Mark:	Claro		
DUT Stage:	Identical Prototype		
EUT Supports Function: (Provided by the customer)	2.4 GHz ISM Band:	IEEE 802.11b/g/n/ax	
	U-NII 5 GHz Bands:	5 150 MHz to 5 250 MHz	IEEE 802.11a/n/ac/ax
		5 250 MHz to 5 350 MHz	IEEE 802.11a/n/ac/ax
		5 470 MHz to 5 725 MHz	IEEE 802.11a/n/ac/ax
		5 725 MHz to 5 850 MHz	IEEE 802.11a/n/ac/ax
Software Version:	V1.0.0(Provided by the customer)		
Hardware Version:	V1.0(Provided by the customer)		
Sample Received Date:	July 25, 2024		
Sample Tested Date:	July 25, 2024 to September 5, 2024		
Remark: The above EUT's information was provided by customer. Please refer to the specifications or user's manual for more detailed description.			

1.2.2 Description of Accessories

Adapter	
Model No.:	GLH1201500
Input:	100-240 V~50/60 Hz 0.5 A
Output:	12.0 V ⎓ 1.5 A 18.0W
DC Cable:	1.8 Meter, Unshielded without ferrite

Cable(1)	
Connector:	Ethernet cable
Cable Type:	Unshielded without ferrite
Length:	1.8 Meter

Cable(2)	
Connector:	Phone Cord
Cable Type:	Unshielded without ferrite
Length:	1.8 Meter

Cable(3)	
Connector:	Optical Fiber
Cable Type:	Unshielded without ferrite
Length:	1.8 Meter

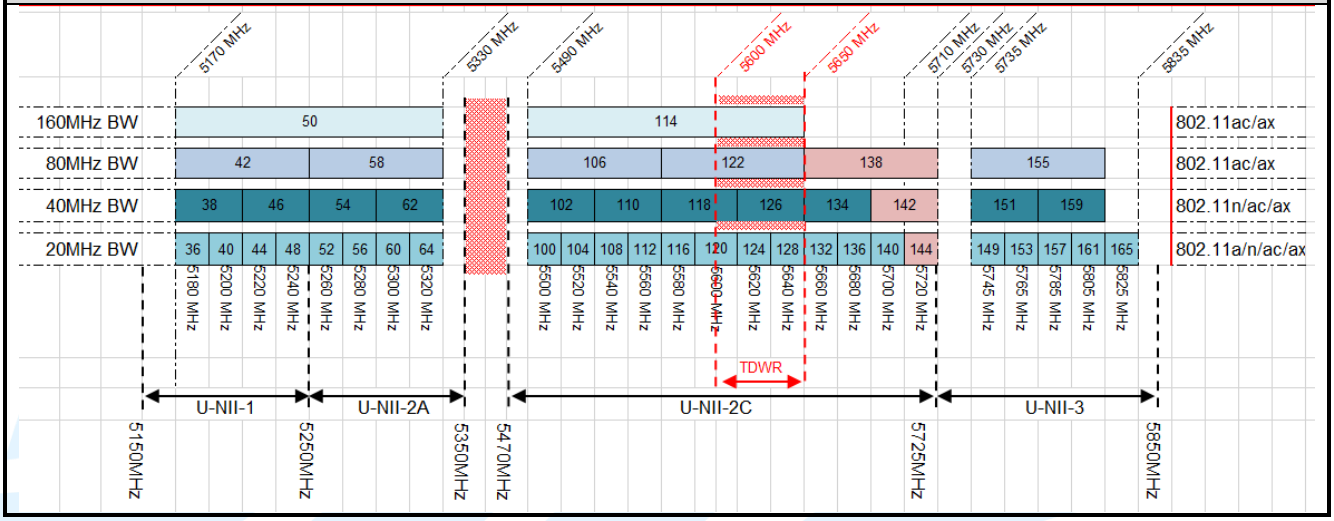
1.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Frequency Bands:	5150 MHz to 5250 MHz (U-NII-1)	
	5250 MHz to 5350 MHz (U-NII-2A)	
	5470 MHz to 5725 MHz (U-NII-2C)	
	5725 MHz to 5850 MHz (U-NII-3)	
Frequency Ranges:	5180 MHz to 5240 MHz	
	5260 MHz to 5320 MHz	
	5500 MHz to 5700 MHz	
	5745 MHz to 5825 MHz	
Support Standards:	IEEE 802.11a/n/ac/ax	
TPC Function:	Not Support	
DFS Operational mode:	Master	
Category:	Indoor AP	
Type of Modulation:	IEEE 802.11a/n: OFDM (64QAM, 16QAM, QPSK, BPSK)	
	IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)	
	IEEE 802.11ax: OFDM/OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)	
Channel Spacing:	IEEE 802.11a/n-HT20/ac-VHT20/ax-HE20: 20 MHz	
	IEEE 802.11n-HT40/ac-VHT40/ax-HE40: 40 MHz	
	IEEE 802.11ac-VHT80/ax-HE80: 80 MHz	
	IEEE 802.11ac-VHT160/ax-HE160: 160 MHz	
Data Rate:	IEEE 802.11a: Up to 54 Mbps	
	IEEE 802.11n: Up to MCS15	
	IEEE 802.11ac-VHT20: Up to MCS8	
	IEEE 802.11ac-VHT40/VHT80/VHT160: Up to MCS9	
	IEEE 802.11ax-HE20/HE40/HE80/HE160: Up to MCS11	
Number of Channels:	5150 MHz to 5350 MHz: 8 for 802.11a/n-HT20/ac-VHT20/ax-HE20 4 for 802.11n-HT40)/ac-VHT40/ax-HE40 2 for 802.11ac-VHT80/ax-HE80 1 for 802.11ac-VHT160/ax-HE160	
	5470 MHz to 5725 MHz: 11 for 802.11a/n-HT20/ac-VHT20/ax-HE20 5 for 802.11n-HT40)/ac-VHT40/ax-HE40 2 for 802.11ac-VHT80/ax-HE80 1 for 802.11ac-VHT160/ax-HE160	
	5725 MHz to 5850 MHz: 5 for IEEE 802.11a/n-HT20/ac-VHT20/ax-HE20 2 for IEEE 802.11n-HT40/ac-VHT40/ax-HE40 1 for IEEE 802.11ac-VHT80/ax-HE80	
Smart Antenna System:	The following three antennas only support 2*2 combination	
Antenna Type: (Provided by the customer)	Antenna 1:	PCB Antenna
	Antenna 2:	PCB Antenna
	Antenna 3:	PCB Antenna

Antenna Gain (dBi): (Provided by the customer)	**Antenna**	**U-NII-1**	**U-NII-2A**	**U-NII-2C**	**U-NII-3**
	Antenna 1:	5.37	5.23	5.19	5.36
	Antenna 2:	5.39	4.96	5.03	5.31
	Antenna 3:	4.78	4.88	4.81	4.48
Normal Test Voltage:	12 Vdc				

1.4 OTHER INFORMATION

Operation Frequency Each of Channel



1.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below.

1) Support Equipment

Description	Manufacturer	Model No.	Serial Number	Supplied by
Key-Press Attenuator	Huaxin	KT2.5-90/1S-2S	UTTL-EN023	UnionTrust
4 Way Divider	WOKEN	0120A040560002D	UTTL-EN028	UnionTrust
Notebook	DELL	Latitude 3400	16238087894	UnionTrust
Mouse	DELL	MS111	CN-011D3V-738	UnionTrust
Enterprise Full Touch Handheld Computer	Bluebird Inc.	EF551	S2022120907-ZJC12/12	UnionTrust

2) Support Cable

Cable No.	Description	Connector	Length(Meter)	Supplied by
1	Antenna Cable*3	SMA	0.1	UnionTrust

1.6 TEST LOCATION

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China
Telephone: +86 (0) 755 2823 0888
Fax: +86 (0) 755 2823 0886

1.7 TEST FACILITY

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

CNAS-Lab Code: L9069
The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable under the ISO/IEC 17025 to international or national standards. Equipment has been calibrated by accredited calibration laboratories.

A2LA-Lab Certificate No.: 4312.01
Shenzhen UnionTrust Quality and Technology Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

ISED Wireless Device Testing Laboratories
CAB identifier: CN0032

FCC Accredited Lab.
Designation Number: CN1194
Test Firm Registration Number: 259480

Dongguan DN Testing Co., Ltd.

A2LA-Lab Certificate No.: 7050.01

CAB identifier: CN0149

1.8 DEVIATION FROM STANDARDS

None.

1.9 ABNORMALITIES FROM STANDARD CONDITIONS

None.

1.10 OTHER INFORMATION REQUESTED BY THE CUSTOMER

None.

1.11 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Measurement Uncertainty
1	Conducted emission 9KHz-150KHz	±3.2 dB
2	Conducted emission 150KHz-30MHz	±2.7 dB
3	Radiated emission 9KHz-30MHz	± 4.7 dB
4	Radiated emission 30MHz-1GHz	± 4.9 dB
5	Radiated emission 1GHz-18GHz	± 4.8 dB
6	Radiated emission 18GHz-26GHz	± 5.1 dB
7	Radiated emission 26GHz-40GHz	± 5.1 dB
8	Conducted spurious emissions	± 2.7 dB
9	RF Power, Conducted	± 0.68 dB
10	Occupied Bandwidth	± 1.86 %
11	Radio Frequency	5.6 GHz: ± 6.4 x 10^{-8}
12	Transmission Time	± 0.19 %

2. TEST SUMMARY

FCC 47 CFR Part 15 Subpart E Test Cases			
Test Item	**Test Requirement**	**Test Method**	**Result**
Antenna Requirement	FCC 47 CFR Part 15 Subpart C Section 15.203 FCC 47 CFR Part 15 Subpart E Section 15.407(a)(1) (2)	N/A	PASS
26 dB emission bandwidth	FCC 47 CFR Part 15 Subpart E Section 15.407 (a)(2)(5)	KDB 789033 D02 v02r01 Section C.1	PASS
6 dB bandwidth	FCC 47 CFR Part 15 Subpart E Section 15.407 (e)	KDB 789033 D02 v02r01 Section C.2	PASS
99% Occupied Bandwidth	N/A	KDB 789033 D02 v02r01 Section D	N/A Note 3
Maximum conducted output power & Transmit Power Control	FCC 47 CFR Part 15 Subpart E Section 15.407 (a)(1)(2)(3)& (h)(1)	KDB 789033 D02 v02r01 Section E.3.a (Method PM)	PASS
Peak Power Spectral Density	FCC 47 CFR Part 15 Subpart E Section 15.407 (a)(1)(2)(3)	KDB 789033 D02 v02r01 Section F	PASS
Radiated Emissions and Band Edge Measurement	FCC 47 CFR Part 15 Subpart E Section 15.407 (b)(1)(2)(3)(4)(6) FCC 47 CFR Part 15 Subpart C Section 15.209/205	KDB 789033 D02 v02r01 Section G.3, G.4, G.5, and G.6	PASS
Dynamic Frequency Selection	FCC 47 CFR Part 15 Subpart E Section 15.407 (h)	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02	PASS Note2
AC Power Line Conducted Emission	FCC 47 CFR Part 15 Subpart E Section 15.407 (b)(6) FCC 47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2013, Section 6.2.	PASS

Note:

1) N/A: In this whole report not applicable.
2) Please refer to Report No.: 24071712723RFC-3 for DFS Test report.
3) No test requirement, for reporting purposes only.

Disclaimer and Explanations:

The declared of product specification and data (e.g., antenna gain, RF specification, etc) for EUT presented in the report are provided by the customer, and the customer takes all the responsibilities for the accuracy of product specification.

3. EQUIPMENT LIST

Radiated Emission Test Equipment List						
Used	**Equipment**	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date**	**Cal. Due date**
☑	3m SAC	ETS-LINDGREN	3M	Euroshiedpn-CT 001270-1317	11-Nov-2023	10-Nov-2026
☑	Spectrum Analyzer	R&S	FSV40-N	101653	29-Mar-2024	28-Mar-2025
☑	Receiver	R&S	ESIB26	100114	27-Oct-2023	26-Oct-2024
☑	Loop Antenna	ETS-LINDGREN	6502	00202525	30-Oct-2023	29-Oct-2024
☑	Broadband Antenna	ETS-LINDGREN	3142E	00201566	30-Oct-2023	29-Oct-2024
☑	6dB Attenuator	Talent	RA6A5-N-18	18103001	30-Oct-2023	29-Oct-2024
☑	Preamplifier	HP	8447F	2805A02960	31-Oct-2023	30-Oct-2024
☑	Double-Ridged Waveguide Horn Antenna	ETS-LINDGREN	3117-PA	00201541	01-Apr-2024	31-Mar-2025
☑	Pre-amplifier	ETS-Lindgren	00118385	00201874	01-Apr-2024	31-Mar-2025
☑	Double-Ridged Waveguide Horn Antenna	ETS-LINDGREN	3116C-PA	00202652	30-Oct-2023	29-Oct-2024
☑	Pre-amplifier	ETS-LINDGREN	00118384	00202652	30-Oct-2023	29-Oct-2024
☑	Multi device Controller	ETS-LINDGREN	7006-001	00160105	N/A	N/A
☑	Band Rejection Filter (5150MHz~5880MHz)	Micro-Tronics	BRM50716	G186	27-Oct-2023	26-Oct-2024
☑	Test Software	Audix	e3	Software Version: 9.160323		

AC Power Line Conducted Emission Test Equipment List						
Used	**Equipment**	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date**	**Cal. Due date**
☒	Receiver	R&S	ESR7	101181	27-Oct-2023	26-Oct-2024
☒	Pulse Limiter	R&S	ESH3-Z2	0357.8810.54	27-Oct-2023	26-Oct-2024
☒	LISN	R&S	ESH2-Z5	860014/024	27-Oct-2023	26-Oct-2024
☒	LISN	ETS-Lindgren	3816/2SH	00201088	27-Oct-2023	26-Oct-2024
☒	Shielding room	ETS-Lindgren	843	Euroshiedpn-CT001270-1246	5-Nov-2021	4-Nov-2024
☒	Test Software	EZ-EMC	EZ-CON	Software Version: EMC-CON 3A1.1		

Conducted RF test Equipment List						
Used	**Equipment**	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date**	**Cal. Due date**
☒	EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY51440197	29-Mar-2024	28-Mar-2025
☒	USB Peak Power Sensors	ANRITSU	MA24408A	12622	27-Oct-2023	26-Oct-2024
☒	EXG-B RF Analog Signal Generator	KEYSIGHT	N5171B	MY53051777	27-Oct-2023	26-Oct-2024
☒	MXG X-Series RF Vector Signal Generator	KEYSIGHT	N5182B	MY51350267	27-Oct-2023	26-Oct-2024
☒	Spectrum Analyzer	R&S	FSV40-N	101653	29-Mar-2024	28-Mar-2025

4. TEST CONFIGURATION

4.1 ENVIRONMENTAL CONDITIONS FOR TESTING

4.1.1 Normal or Extreme Test Conditions

Environment Parameter	Selected Values During Tests		
Test Condition	Ambient		
	Temperature (°C)	Voltage(V)	Relative Humidity (%)
NT/NV	+15 to +35	12	20 to 75
Remark: 1) NV: Normal Voltage; NT: Normal Temperature			

4.1.2 Record of Normal Environment and Test Sample

Test Item	Temp. (°C)	Relative Humidity (%)	Pressure (kPa)	Sample No.	Tested by
AC Power Line Conducted Emission	22.5	55.7	99.9	S202407173945-ZJA01/3	Linson Xie
26 dB emission bandwidth	23.4	51.9	100.3	S202407173945-ZJA03/3	Rain Wang
Maximum conducted output power					
Peak Power Spectral Density					
6 dB bandwidth					
Dynamic Frequency Selection					
Radiated Emissions and Band Edge Measurement	23.9	54.7	100.3	S202407173945-ZJA02/3	Bowie Zhang

4.2 TEST CHANNELS

Mode	Tx/Rx Frequency	Test RF Channel Lists		
		Lowest(L)	Middle(M)	Highest(H)
IEEE 802.11a IEEE 802.11n-HT20 IEEE 802.11ac-VHT20 IEEE 802.11ax-HE20	5150 - 5250 MHz	Channel 36	Channel 40	Channel 48
		5180 MHz	5200 MHz	5240 MHz
	5250 - 5350 MHz	Channel 52	Channel 56	Channel 64
		5260 MHz	5280 MHz	5320 MHz
	5470 - 5725 MHz	Channel 100	Channel 116	Channel 140
		5500 MHz	5580 MHz	5700 MHz
	5725 - 5850 MHz	Channel 149	Channel 157	Channel 165
		5745 MHz	5785 MHz	5825 MHz
IEEE 802.11n-HT40 IEEE 802.11ac-VHT40 IEEE 802.11ax-HE40	5150 - 5250 MHz	Channel 38	--	Channel 46
		5190 MHz	--	5230 MHz
	5250 - 5350 MHz	Channel 54	--	Channel 62
		5270 MHz	--	5310 MHz
	5470 - 5725 MHz	Channel 102	Channel 110	Channel 134
		5510 MHz	5550 MHz	5670 MHz
	5725 - 5850 MHz	Channel 151	--	Channel 159
		5755 MHz	--	5795 MHz
IEEE 802.11ac-VHT80	5150 - 5250 MHz	--	Channel 42	--

IEEE 802.11ax-HE80		--	5210 MHz	--
	5250 - 5350 MHz	--	Channel 58	--
		--	5290 MHz	--
	5470 - 5725 MHz	Channel 106	--	Channel 122
		5530 MHz	--	5610 MHz
	5725 - 5850 MHz	--	Channel 155	--
		--	5775 MHz	--
IEEE 802.11ac-VHT160 IEEE 802.11ax-HE160	5150 - 5350 MHz	Channel 50		
		5250 MHz		
	5470 - 5725 MHz	Channel 114		
		5570 MHz		

4.3 EUT TEST STATUS

Mode	Tx/Rx Function	Description
IEEE 802.11a	1Tx/1Rx	1. Keep the EUT in continuously transmitting or receiving with modulation and data rates test single. 2. Keep the equipment in normal operation and achieve a certain throughput.
IEEE 802.11n IEEE 802.11ac IEEE 802.11ax	2Tx/2Rx	

MIMO_ Ant. 1+2:

Power Setting (Provided by the customer)								
Mode	U-NII-1		U-NII-2A		U-NII-2C		U-NII-3	
	Ant. 1	Ant. 2	Ant. 1	Ant. 2	Ant. 1	Ant. 2	Ant. 1	Ant. 2
IEEE 802.11a	18	18	17	17	17	17	17	17
					16	16		
IEEE 802.11n-HT20	18	18	12	12	11	11	18	18
IEEE 802.11n-HT40	17	17	12	12	11	11	18	18
	18	18						
IEEE 802.11ac-VHT20	18	18	12	12	11	11	18	18
IEEE 802.11ac-VHT40	17	17	12	12	11	11	18	18
	18	18						
IEEE 802.11ac-VHT80	13	13	12	12	11	11	17	17
IEEE 802.11ac-VHT160	16	16	12	12	13	13	/	/
IEEE 802.11ax-HE20 (SU)	18	18	12	12	11	11	18	18
IEEE 802.11ax-HE40 (SU)	17	17	12	12	11	11	18	18
	18	18						
IEEE 802.11ax-HE80 (SU)	13	13	12	12	11	11	17	17
IEEE 802.11ax-HE160 (SU)	15	15	12	12	13	13	/	/

MIMO_ Ant. 1+3:

Power Setting (Provided by the customer)								
Mode	U-NII-1		U-NII-2A		U-NII-2C		U-NII-3	
	Ant. 1	Ant. 3	Ant. 1	Ant. 3	Ant. 1	Ant. 3	Ant. 1	Ant. 3
IEEE 802.11a	18	18	17	17	17	17	17	17
					16	16		
IEEE 802.11n-HT20	18	18	12	12	11	11	18	18
IEEE 802.11n-HT40	17	17	12	12	11	11	18	18
	18	18						
IEEE 802.11ac-VHT20	18	18	12	12	11	11	18	18
IEEE 802.11ac-VHT40	17	17	12	12	11	11	18	18
	18	18						
IEEE 802.11ac-VHT80	13	13	12	12	11	11	17	17
IEEE 802.11ac-VHT160	16	16	12	12	13	13	/	/
IEEE 802.11ax-HE20 (SU)	18	18	12	12	11	11	18	18
IEEE 802.11ax-HE40 (SU)	17	17	12	12	11	11	18	18
	18	18						
IEEE 802.11ax-HE80 (SU)	13	13	12	12	11	11	17	17
IEEE 802.11ax-HE160 (SU)	15	15	12	12	13	13	/	/

MIMO_ Ant. 2+3:

Power Setting (Provided by the customer)								
Mode	U-NII-1		U-NII-2A		U-NII-2C		U-NII-3	
	Ant. 2	Ant. 3	Ant. 2	Ant. 3	Ant. 2	Ant. 3	Ant. 2	Ant. 3
IEEE 802.11a	18	18	17	17	17	17	17	17
					16	16		
IEEE 802.11n-HT20	18	18	12	12	11	11	18	18
IEEE 802.11n-HT40	17	17	12	12	11	11	18	18
	18	18						
IEEE 802.11ac-VHT20	18	18	12	12	11	11	18	18
IEEE 802.11ac-VHT40	17	17	12	12	11	11	18	18
	18	18						
IEEE 802.11ac-VHT80	13	13	12	12	11	11	17	17
IEEE 802.11ac-VHT160	14	14	12	12	13	13	/	/
IEEE 802.11ax-HE20 (SU)	18	18	12	12	11	11	18	18
IEEE 802.11ax-HE40 (SU)	17	17	12	12	11	11	18	18
	18	18						
IEEE 802.11ax-HE80 (SU)	10	10	12	12	11	11	17	17
IEEE 802.11ax-HE160 (SU)	14	14	12	12	13	13	/	/
IEEE 802.11ax only supports SU Mode.								

Test Software (Provided by the customer)
Test software name: MT7663 QA 0.0.2.8;

4.4 PRE-SCAN

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate. Following data rate was (were) selected for the final test as listed below

Mode	Worst-case data rates
IEEE 802.11a	6 Mbps
IEEE 802.11n-HT20	MCS8
IEEE 802.11n-HT40	MCS8
IEEE 802.11ac-VHT20	MCS0
IEEE 802.11ac-VHT40	MCS0
IEEE 802.11ac-VHT80	MCS0
IEEE 802.11ac-VHT160	MCS0
IEEE 802.11ax-HE20	MCS0
IEEE 802.11ax-HE40	MCS0
IEEE 802.11ax-HE80	MCS0
IEEE 802.11ax-HE160	MCS0

4.5 TEST SETUP

4.5.1 For Radiated Emissions test setup

Figure 1. Below 30MHz

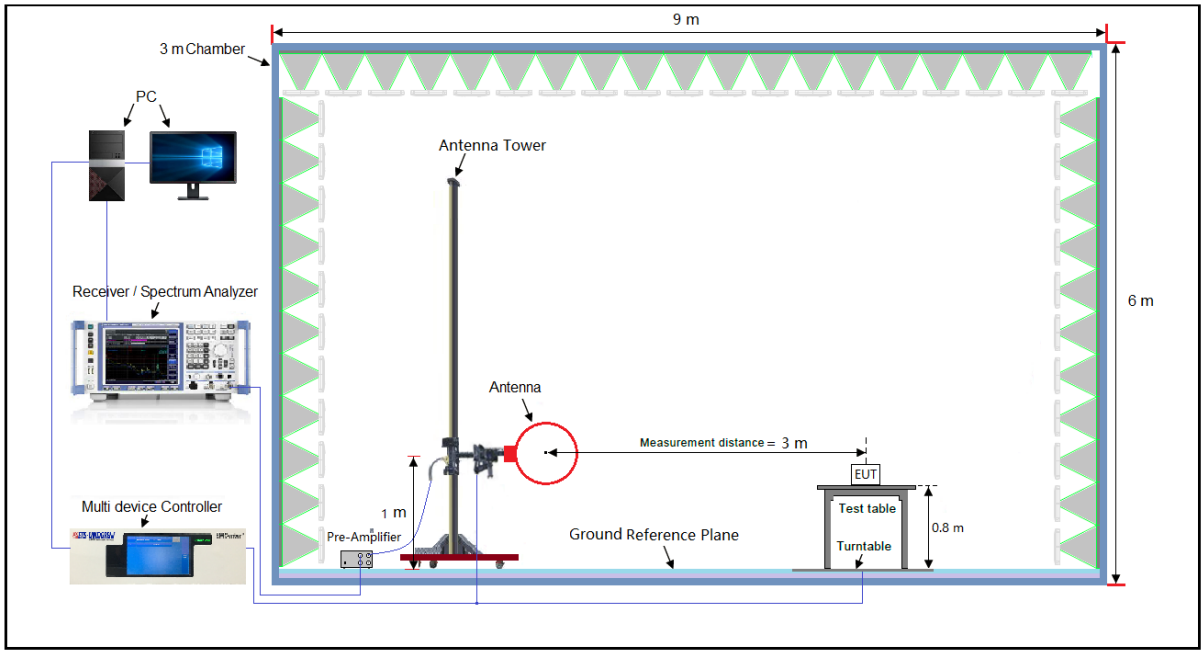


Figure 2. 30MHz to 1GHz

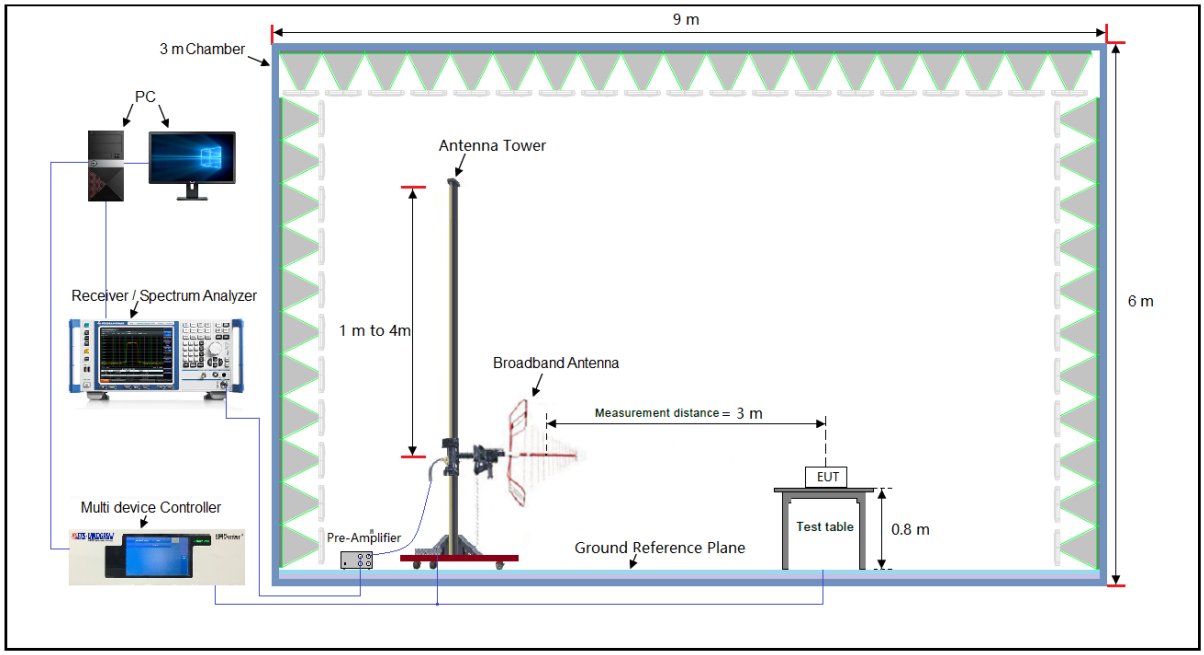
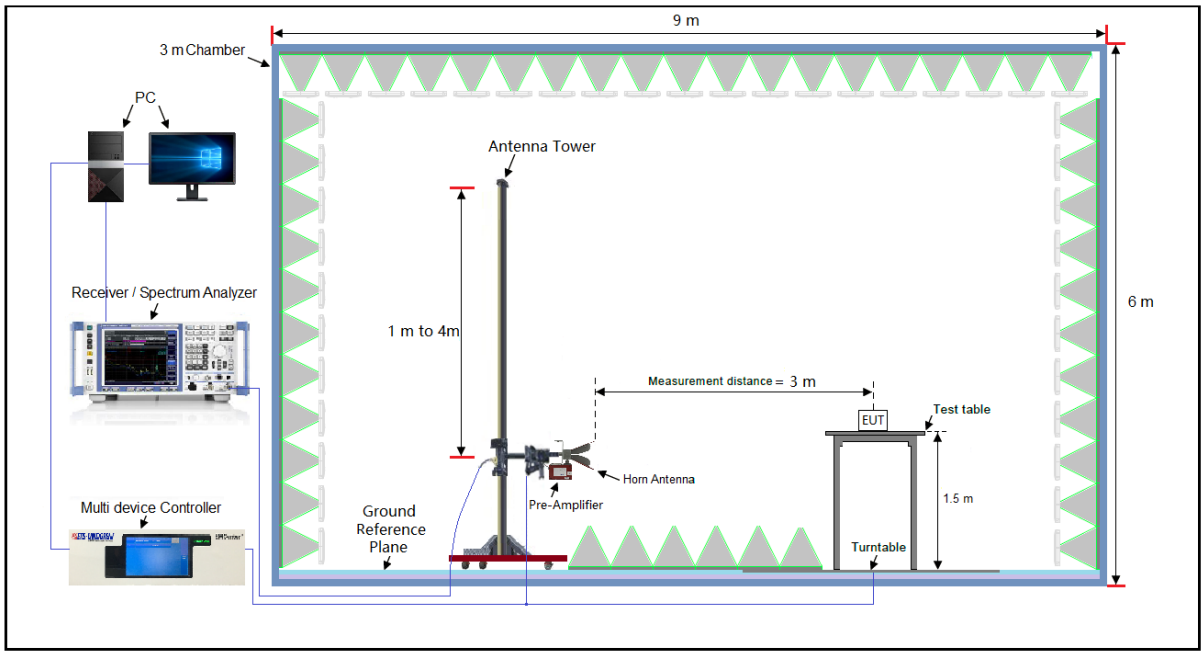
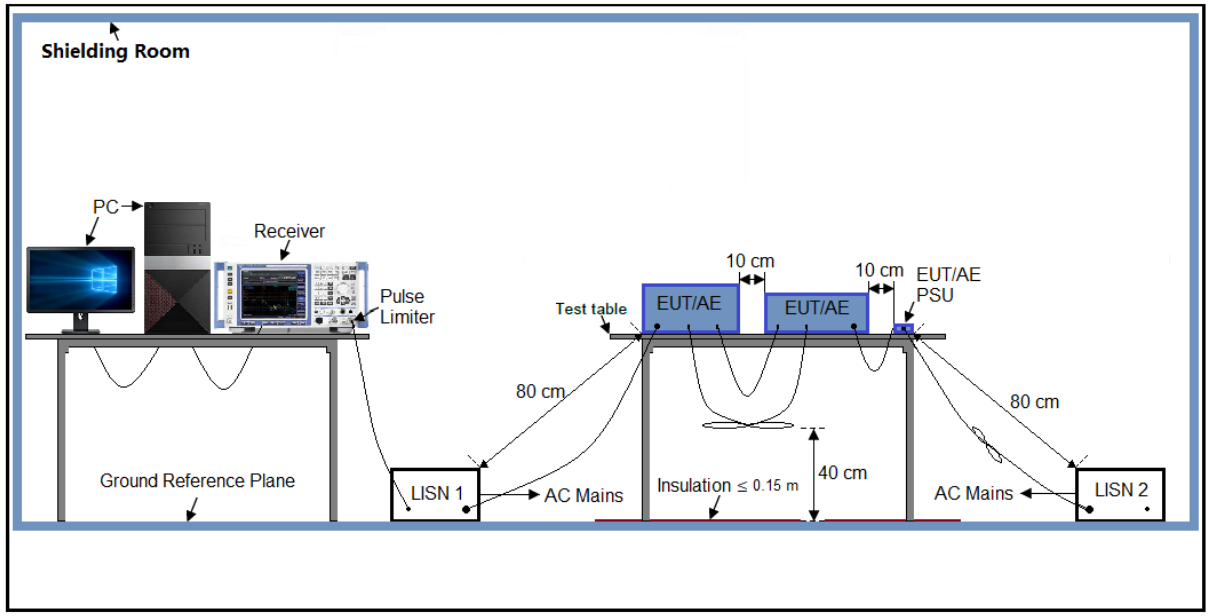


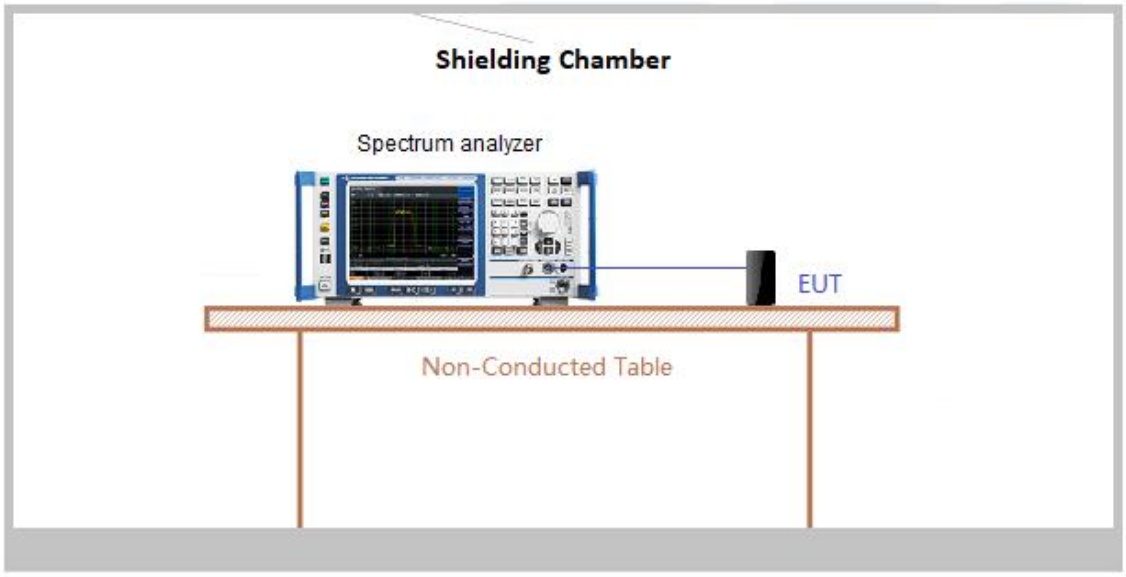
Figure 3. Above 1GHz



4.5.2 For Conducted Emissions test setup



4.5.3 For Conducted RF test setup



Normal Environment

4.6 SYSTEM TEST CONFIGURATION

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, radiated emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario. Only the worst case data were recorded in this test report.

The signal is maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters. Radiated emissions are taken at three meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance. Therefore, all final radiated testing was performed with the EUT in orientation.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000 MHz. The resolution is 1 MHz or greater for frequencies above 1000 MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

Radiated emission measurement were performed from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

4.7 DUTY CYCLE

Test Procedure: ANSI C63.10-2013 Clause 12.2.

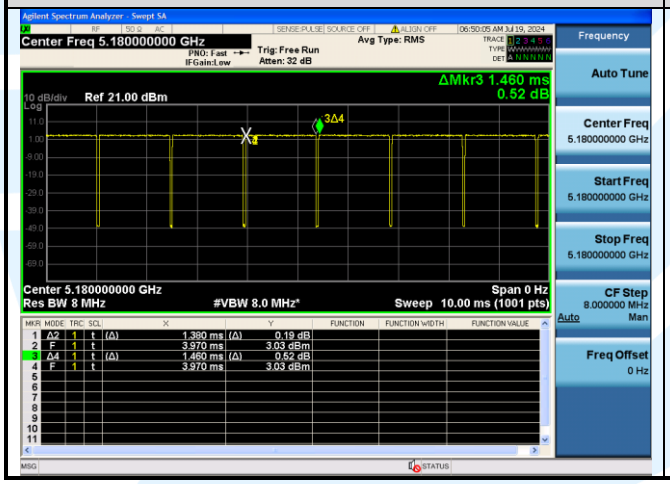
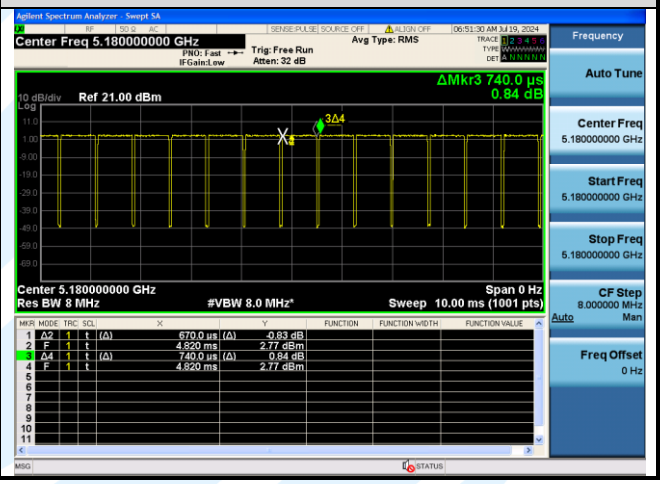
Test Results

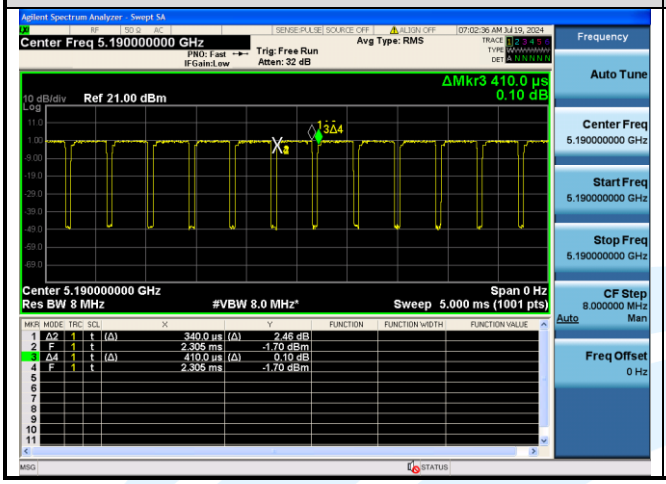
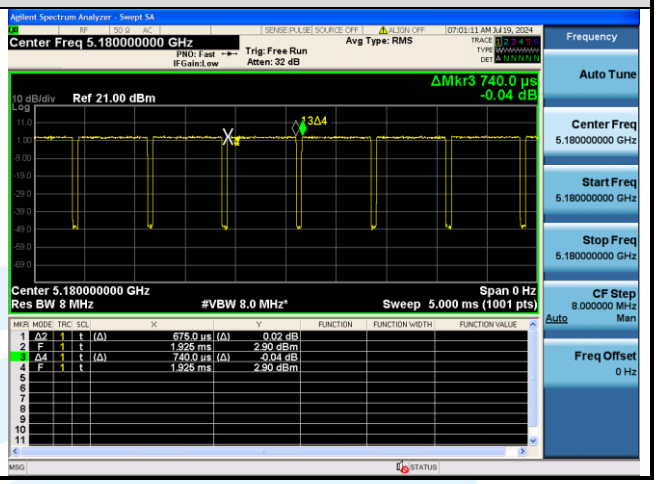
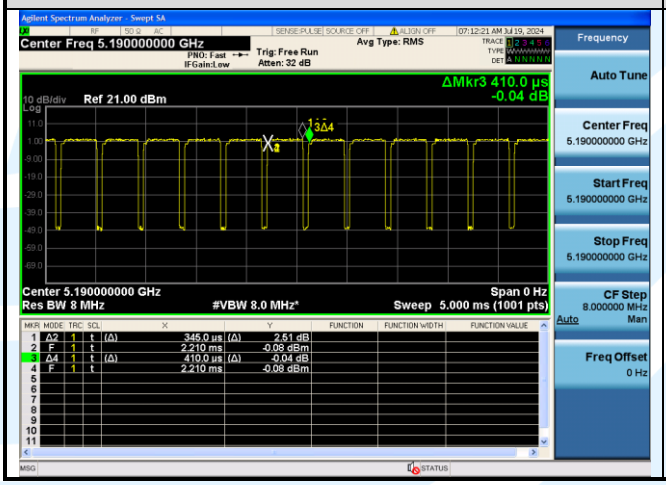
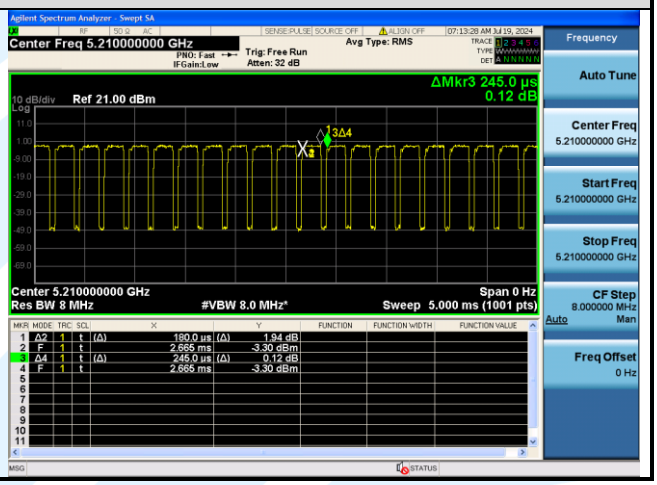
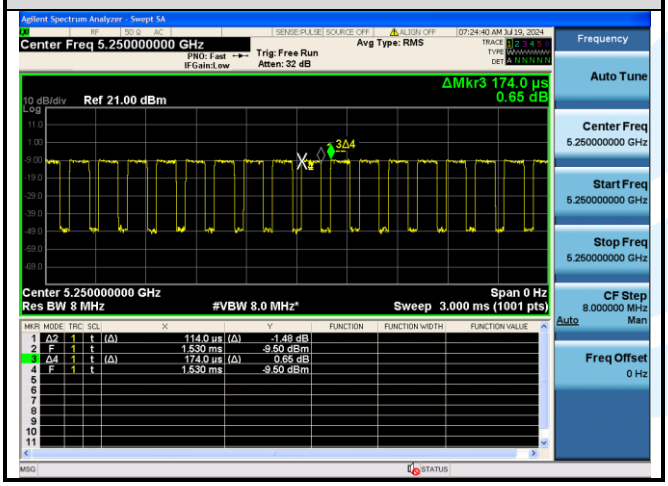
Mode	RU	Data Rates	On Time (msec)	Period (msec)	Duty Cycle (linear)	Duty Cycle (%)	Duty Cycle Factor (dB)	1/T Minimum VBW (kHz)
IEEE 802.11a	N/A	6 Mbps	1.380	1.460	0.95	94.52	0.24	0.72
IEEE 802.11n-HT20	N/A	MCS 8	0.670	0.740	0.91	90.54	0.43	1.49
IEEE 802.11n-HT40	N/A	MCS 8	0.340	0.410	0.83	82.93	0.81	2.94
IEEE 802.11ac-VHT20	N/A	MCS 0	0.675	0.740	0.91	91.22	0.40	1.48
IEEE 802.11ac-VHT40	N/A	MCS 0	0.345	0.410	0.84	84.15	0.75	2.90
IEEE 802.11ac-VHT80	N/A	MCS 0	0.180	0.245	0.73	73.47	1.34	5.56
IEEE 802.11ac-VHT160	N/A	MCS 0	0.114	0.174	0.66	65.52	1.84	8.77
IEEE 802.11ax-HE20	SU	MCS 0	0.200	0.265	0.75	75.47	1.22	5.00
IEEE 802.11ax-HE40	SU	MCS 0	0.195	0.260	0.75	75.00	1.25	5.13
IEEE 802.11ax-HE80	SU	MCS 0	0.189	0.252	0.75	75.00	1.25	5.29
IEEE 802.11ax-HE160	SU	MCS 0	0.132	0.192	0.69	68.75	1.63	7.58

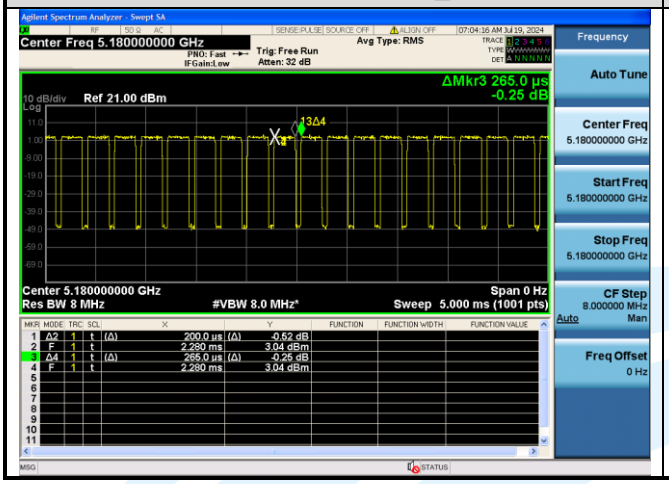
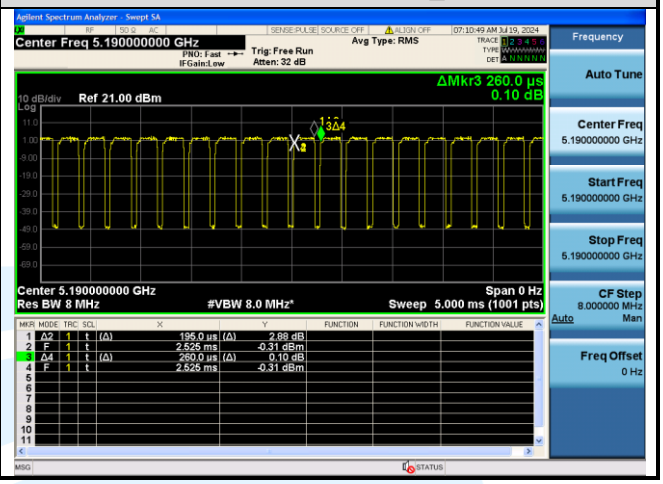
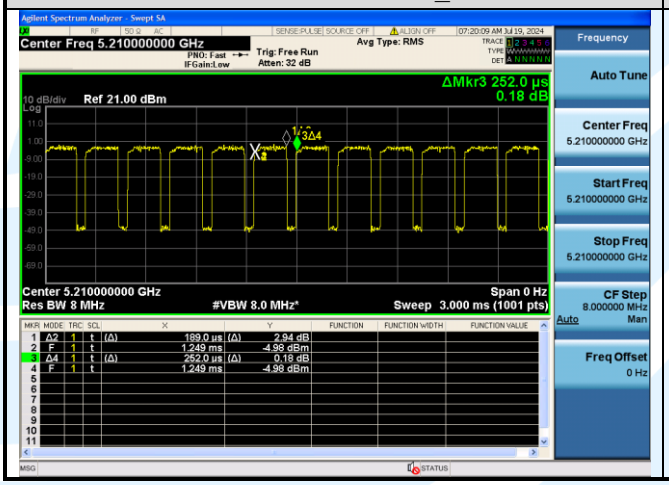
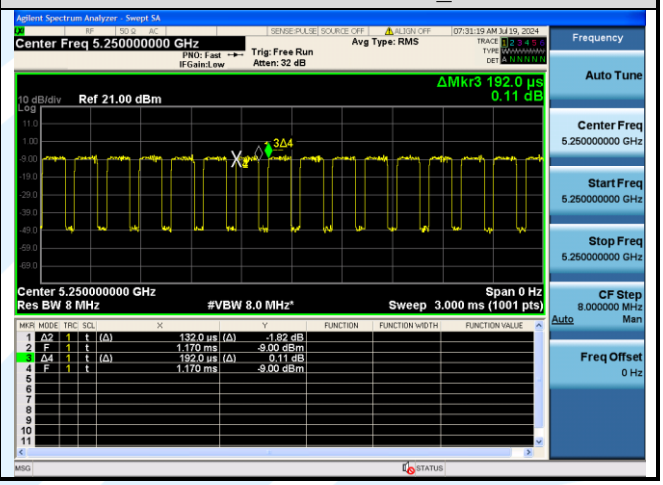
Remark:

1) Duty cycle= On Time/ Period;
2) Duty Cycle factor = 10 * log(1/ Duty cycle)

The test plots as follows

IEEE 802.11a	IEEE 802.11n-HT20
	

IEEE 802.11n-HT40	IEEE 802.11ac-VHT20
	
IEEE 802.11ac-VHT40	**IEEE 802.11ac-VHT80**
	
IEEE 802.11ac-VHT160	
	

IEEE 802.11ax-HE20_SU	IEEE 802.11ax-HE40_SU
	
IEEE 802.11ax-HE80_SU	**IEEE 802.11ax-HE160_SU**
	

5. RADIO TECHNICAL REQUIREMENTS SPECIFICATION

5.1 REFERENCE DOCUMENTS FOR TESTING

No.	Identity	Document Title
1	FCC 47 CFR Part 2	Frequency allocations and radio treaty matters; general rules and regulations
2	FCC 47 CFR Part 15	Radio Frequency Devices
3	ANSI C63.10-2013	American National Standard for Testing Unlicesed Wireless Devices
4	KDB 789033 D02 General UNII Test Procedures New Rules v02r01	Guidelines for compliance testing of unlicensed national information infrastructure (U-NII) device part 15, subpart E
5	KDB 905462 D06 802.11 Channel Plans New Rules v02	Operation in U-NII bands -802.11 channel PLAN(§15.407)
6	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02	Compliance measurement procedures for Unlicensed –National Information Infrastructure devices operates in the frequency bands 5250 MHz to 5350 MHz and 5470 MHz to 5725 MHz bands incorporating dynamic frequency selection
7	KDB 662911 D01 Multiple Transmitter Output v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band

5.2 ANTENNA REQUIREMENT

Standard Requirement
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. **15.407(a)(1) (2) requirement:** The conducted output power limit specified in paragraph (a) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (a) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power and the peak power spectral density shall be reduced by the by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
EUT Antenna:
Three antenna in the interior of the equipment and no consideration of replacement. The transmit signals are correlated with each other, the best case directional gain of the antenna is 8.39 dBi. (See section 5.5).

5.3 26 DB BANDWIDTH & 99% OCCUPIED BANDWIDTH

Test Requirement: FCC 47 CFR Part 15 Subpart E Section 15.407 (a) (2)(5)

Test Method: KDB 789033 D02 v02r01 Section C.1

Limit: None; for reporting purposes only.

Test Procedure:

The output from the transmitter was connected to an attenuator and then to the input of the RF Spectrum analyzer.

Spectrum analyzer according to the following Settings:
a) Set RBW = approximately 1 % of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) 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 %.

Occupied Bandwidth

a) Set center frequency to the nominal EUT channel center frequency.
b) Set span = 1.5 times to 5.0 times the OBW.
c) Set RBW = 1% to 5% of the OBW
d) Set VBW ≥ 3 x RBW
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
f) Use the 99% power bandwidth function of the instrument (if available).
g) If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.5.3 for details.

Instruments Used: Refer to section 3 for details

Test Results: Pass

Test Results: **Please refer to Appendix A**

5.46 DB BANDWIDTH & 99% OCCUPIED BANDWIDTH

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.407 (e)

Test Method: KDB 789033 D02 v02r01Section C.2

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:

The output from the transmitter was connected to an attenuator and then to the input of the RF Spectrum Analyzer.

Spectrum analyzer according to the following Settings:
a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 * RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) 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.

Occupied Bandwidth

a) Set center frequency to the nominal EUT channel center frequency.
b) Set span = 1.5 times to 5.0 times the OBW.
c) Set RBW = 1% to 5% of the OBW
d) Set VBW ≥ 3 x RBW
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
f) Use the 99% power bandwidth function of the instrument (if available).
g) If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.5.3 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Transmitter mode

Test Results: Pass

Test Results: **Please refer to Appendix A**

5.5 MAXIMUM CONDUCTED OUTPUT POWER

Test Requirement: FCC 47 CFR Part 15 Subpart E Section 15.407 (a)(1)(2)(3) & (h)(1)
Test Method: KDB 789033 D02 v02r01 Section E.3.a(Method PM)
Limits:

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 conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(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. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 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. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(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. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

2. 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. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3. For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, 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. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure:

1. Connected the EUT's antenna port to measure device by 10dB attenuator.
2. Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of Tx on burst.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.5.3 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Transmitter mode

Test Results: Pass

Test Data:

Directional gain and the maximum output power limit.

MIMO_ Ant. 1+2:

Frequency (MHz)	Antenna Gain (dBi)		Directional gain (dBi)		Limit	
	Ant .1	Ant .2	Power	PSD	Power (dBm)	PSD (dBm/MHz or dBm/500kHz)
U-NII-1	5.37	5.39	8.39	8.39	27.61	14.61
U-NII-2A	5.23	4.96	8.11	8.11	21.89	8.89
U-NII-2C	5.19	5.03	8.12	8.12	21.88	8.88
U-NII-3	5.36	5.31	8.35	8.35	27.65	27.65
Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows: If transmit signals are correlated, then Directional gain = 10 log[(10^G1 /20 + 10^G2 /20 + … + 10^GN /20)^2 /NANT] dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]						

For U-NII-2A :

IEEE 802.11a/n/ac/ax: the minimum 26 dB emission bandwidth is 20.48 MHz

11 dBm + $10\log_{10}$ (20.48) = 24.11 dBm

24.11 dBm>21.89 dBm

So the 21.89 dBm limit applicable

For U-NII-2C Band:

IEEE 802.11a: the minimum 26 dB emission bandwidth is 20.64 MHz

11 dBm + 10log10 (20.64) = 24.15 dBm

24.15 dBm > 21.88 dBm

So the 21.88 dBm limit applicable

MIMO_ Ant. 1+3:

Frequency (MHz)	Antenna Gain (dBi)		Directional gain (dBi)		Limit	
	Ant .0	Ant .2	Power	PSD	Power (dBm)	PSD (dBm/MHz or dBm/500kHz)
U-NII-1	5.37	4.78	8.09	8.09	27.91	14.91
U-NII-2A	5.23	4.88	8.07	8.07	21.93	8.93
U-NII-2C	5.19	4.81	8.01	8.01	21.99	8.99
U-NII-3	5.36	4.48	7.94	7.94	28.06	28.06
Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows: If transmit signals are correlated, then Directional gain = 10 log[(10^G1 /20 + 10^G2 /20 + … + 10^GN /20)^2 /NANT] dBi [Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]						

For U-NII-2A :

IEEE 802.11a/n/ac/ax: the minimum 26 dB emission bandwidth is 20.05 MHz

11 dBm + $10\log_{10}$ (20.72) = 24.16 dBm

24.16 dBm>21.93 dBm

So the 21.93 dBm limit applicable

S

For U-NII-2C Band:

IEEE 802.11a: the minimum 26 dB emission bandwidth is 20.32 MHz

11 dBm + 10log10 (20.32) = 24.08 dBm

24.08 dBm > 21.99 dBm

So the 21.99 dBm limit applicable

MIMO_ Ant. 2+3:

Frequency (MHz)	Antenna Gain (dBi)		Directional gain (dBi)		Limit	
	Ant .1	Ant .2	Power	PSD	Power (dBm)	PSD (dBm/MHz or dBm/500kHz)
U-NII-1	5.39	4.78	8.10	8.10	27.91	14.91
U-NII-2A	4.96	4.88	7.93	7.93	21.93	8.93
U-NII-2C	5.03	4.81	7.93	7.93	21.99	8.99
U-NII-3	5.31	4.48	7.92	7.92	28.06	28.06
Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows: If transmit signals are correlated, then Directional gain = 10 log[(10^G1 /20 + 10^G2 /20 + … + 10^GN /20)^2 /NANT] dBi [Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]						

For U-NII-2A :

IEEE 802.11a/n/ac/ax: the minimum 26 dB emission bandwidth is 20.2 MHz

11 dBm + $10\log_{10}$ (20.2) = 24.05 dBm

24.05 dBm>21.93 dBm

So the 21.93 dBm limit applicable

For U-NII-2C Band:

IEEE 802.11a: the minimum 26 dB emission bandwidth is 20.44 MHz

11 dBm + 10log10 (20.44) = 24.10 dBm

24.10 dBm > 21.99 dBm

So the 21.99 dBm limit applicable

Maximum output power
MIMO_ Ant. 1+2:

Mode	Band	Channel	Freq. (MHz)	CONDUCTED AVG POWER					Limit (dBm)	Result
				Meas Value (dBm)		Corr'd Value (dBm)				
				Ant. 1	Ant. 2	Ant. 1	Ant. 2	Total		
IEEE 802.11a	U-NII-1	36	5180	18.35	18.39	18.59	18.63	N/A	30.00	Pass
		40	5200	18.66	18.87	18.90	19.11	N/A	30.00	Pass
		48	5240	18.63	18.83	18.87	19.07	N/A	30.00	Pass
	U-NII-2A	52	5260	14.83	14.61	15.07	14.85	N/A	24.00	Pass
		60	5280	14.48	14.38	14.72	14.62	N/A	24.00	Pass
		64	5320	14.50	14.49	14.74	14.73	N/A	24.00	Pass
	U-NII-2C	100	5500	17.07	17.95	17.31	18.19	N/A	24.00	Pass
		116	5580	18.39	17.87	18.63	18.11	N/A	24.00	Pass
		140	5700	17.68	17.90	17.92	18.14	N/A	24.00	Pass
	U-NII-3	149	5745	18.93	19.21	19.17	19.45	N/A	30.00	Pass
		157	5785	19.19	19.49	19.43	19.73	N/A	30.00	Pass
		165	5825	17.83	18.71	18.07	18.95	N/A	30.00	Pass
IEEE 802.11n-HT20	U-NII-1	36	5180	18.37	18.30	18.80	18.73	21.78	27.61	Pass
		40	5200	18.60	18.79	19.03	19.22	22.14	27.61	Pass
		48	5240	18.55	18.81	18.98	19.24	22.12	27.61	Pass
	U-NII-2A	52	5260	9.78	9.57	10.21	10.00	13.12	21.89	Pass
		60	5280	9.47	9.43	9.90	9.86	12.89	21.89	Pass
		64	5320	9.49	9.50	9.92	9.93	12.94	21.89	Pass
	U-NII-2C	100	5500	11.00	11.91	11.43	12.34	14.92	21.88	Pass
		116	5580	12.33	11.89	12.76	12.32	15.56	21.88	Pass
		140	5700	12.61	12.86	13.04	13.29	16.18	21.88	Pass
	U-NII-3	149	5745	19.97	20.03	20.40	20.46	23.44	27.65	Pass
		157	5785	20.20	20.45	20.63	20.88	23.77	27.65	Pass
		165	5825	18.88	19.63	19.31	20.06	22.71	27.65	Pass
IEEE 802.11n-HT40	U-NII-1	38	5190	17.03	17.16	17.84	17.97	20.92	27.61	Pass
		46	5230	18.31	18.38	19.12	19.19	22.17	27.61	Pass
	U-NII-2A	54	5270	9.39	9.30	10.20	10.11	13.17	21.89	Pass
		62	5310	9.30	9.26	10.11	10.07	13.10	21.89	Pass
	U-NII-2C	102	5510	10.78	11.78	11.59	12.59	15.13	21.89	Pass
		110	5550	10.98	12.00	11.79	12.81	15.34	21.88	Pass
		134	5670	11.94	11.62	12.75	12.43	15.61	21.88	Pass

Mode	Band	Channel	Freq. (MHz)	CONDUCTED AVG POWER						
				Meas Value (dBm)		Corr'd Value (dBm)			Limit (dBm)	Result
				Ant. 1	Ant. 2	Ant. 1	Ant. 2	Total		
	U-NII-3	151	5755	20.03	19.86	20.84	20.67	23.77	27.65	Pass
		159	5795	19.99	19.98	20.80	20.79	23.81	27.65	Pass
IEEE 802.11ac-VHT20	U-NII-1	36	5180	18.30	18.49	18.70	18.89	21.81	27.61	Pass
		40	5200	18.51	18.89	18.91	19.29	22.11	27.61	Pass
		48	5240	18.53	18.99	18.93	19.39	22.18	27.61	Pass
	U-NII-2A	52	5260	9.63	9.66	10.03	10.06	13.05	21.89	Pass
		60	5280	9.35	9.47	9.75	9.87	12.82	21.89	Pass
		64	5320	9.34	9.52	9.74	9.92	12.84	21.89	Pass
	U-NII-2C	100	5500	10.91	11.93	11.31	12.33	14.86	21.88	Pass
		116	5580	12.35	11.91	12.75	12.31	15.55	21.88	Pass
		140	5700	12.48	12.88	12.88	13.28	16.09	21.88	Pass
	U-NII-3	149	5745	19.71	20.03	20.11	20.43	23.28	27.65	Pass
		157	5785	19.99	20.52	20.39	20.92	23.67	27.65	Pass
		165	5825	18.58	19.68	18.98	20.08	22.57	27.65	Pass
IEEE 802.11ac-VHT40	U-NII-1	38	5190	17.06	17.25	17.81	18.00	20.92	27.61	Pass
		46	5230	18.45	18.43	19.20	19.18	22.20	27.61	Pass
	U-NII-2A	54	5270	9.49	9.34	10.24	10.09	13.18	21.89	Pass
		62	5310	9.39	9.31	10.14	10.06	13.11	21.89	Pass
	U-NII-2C	102	5510	10.86	11.80	11.61	12.55	15.12	21.88	Pass
		110	5550	11.02	12.00	11.77	12.75	15.30	21.88	Pass
		134	5670	11.98	11.64	12.73	12.39	15.57	21.88	Pass
	U-NII-3	151	5755	19.73	19.79	20.48	20.54	23.52	27.65	Pass
		159	5795	19.83	19.98	20.58	20.73	23.67	27.65	Pass
IEEE 802.11ac-VHT80	U-NII-1	42	5210	12.08	12.25	13.42	13.59	16.52	27.61	Pass
	U-NII-2A	58	5290	8.24	8.19	9.58	9.53	12.56	21.89	Pass
	U-NII-2C	106	5530	9.76	10.73	11.10	12.07	14.62	21.88	Pass
		122	5610	10.98	10.56	12.32	11.90	15.12	21.88	Pass
	U-NII-3	155	5775	17.46	17.90	18.80	19.24	22.03	27.65	Pass
IEEE 802.11ac-VHT160	U-NII-2A	50	5250	8.65	8.37	10.49	10.21	13.36	21.89	Pass
	U-NII-2C	114	5570	9.40	9.81	11.24	11.65	14.46	21.88	Pass

Mode	Band	Channel	Freq. (MHz)	RU & Index	CONDUCTED AVG POWER						
					Meas Value (dBm)		Corr'd Value (dBm)			Limit (dBm)	Result
					Ant. 1	Ant. 2	Ant. 1	Ant. 2	Total		
IEEE 802.11ax-HE20	U-NII-1	36	5180	SU	18.43	18.54	19.65	19.76	22.72	27.61	Pass
		40	5200	SU	18.71	18.93	19.93	20.15	23.05	27.61	Pass
		48	5240	SU	18.79	19.08	20.01	20.30	23.17	27.61	Pass
	U-NII-2A	52	5260	SU	9.95	9.85	11.17	11.07	14.13	21.89	Pass
		60	5280	SU	9.56	9.60	10.78	10.82	13.81	21.89	Pass
		64	5320	SU	9.61	9.65	10.83	10.87	13.86	21.89	Pass
	U-NII-2C	100	5500	SU	11.03	12.06	12.25	13.28	15.81	21.88	Pass
		116	5580	SU	12.49	12.00	13.71	13.22	16.48	21.88	Pass
		140	5700	SU	12.77	13.00	13.99	14.22	17.12	21.88	Pass
	U-NII-3	149	5745	SU	20.03	20.22	21.25	21.44	24.36	27.65	Pass
		157	5785	SU	20.28	20.55	21.50	21.77	24.65	27.65	Pass
		165	5825	SU	18.92	19.78	20.14	21.00	23.60	27.65	Pass
IEEE 802.11ax-HE40	U-NII-1	38	5190	SU	16.83	17.00	18.08	18.25	21.18	27.61	Pass
		46	5230	SU	18.59	18.67	19.84	19.92	22.89	27.61	Pass
	U-NII-2A	54	5270	SU	9.63	9.48	10.88	10.73	13.82	21.89	Pass
		62	5310	SU	9.50	9.46	10.75	10.71	13.74	21.89	Pass
	U-NII-2C	102	5510	SU	11.03	11.94	12.28	13.19	15.77	21.88	Pass
		110	5550	SU	11.20	12.15	12.45	13.40	15.96	21.88	Pass
		134	5670	SU	12.16	11.81	13.41	13.06	16.25	21.88	Pass
	U-NII-3	151	5755	SU	19.88	19.98	21.13	21.23	24.19	27.65	Pass
		159	5795	SU	20.03	20.18	21.28	21.43	24.37	27.65	Pass
IEEE 802.11ax-HE80	U-NII-1	42	5210	SU	12.15	12.91	13.40	14.16	16.81	27.61	Pass
	U-NII-2A	58	5290	SU	8.57	8.41	9.82	9.66	12.75	21.89	Pass
	U-NII-2C	106	5530	SU	10.05	10.97	11.30	12.22	14.79	21.88	Pass
		122	5610	SU	11.26	10.73	12.51	11.98	15.26	21.88	Pass
	U-NII-3	155	5775	SU	17.74	18.55	18.99	19.80	22.42	27.65	Pass
IEEE 802.11ax-HE160	U-NII-2A	50	5250	SU	9.12	8.88	10.75	10.51	13.64	21.89	Pass
	U-NII-2C	114	5570	SU	9.56	10.64	11.19	12.27	14.77	21.88	Pass

MIMO_ Ant. 1+3:

Mode	Band	Channel	Freq. (MHz)	CONDUCTED AVG POWER					Limit (dBm)	Result
				Meas Value (dBm)		Corr'd Value (dBm)				
				Ant. 1	Ant. 3	Ant. 1	Ant. 3	Total		
IEEE 802.11a	U-NII-1	36	5180	18.35	18.03	18.59	18.27	N/A	30.00	Pass
		40	5200	18.66	18.43	18.90	18.67	N/A	30.00	Pass
		48	5240	18.63	18.46	18.87	18.70	N/A	30.00	Pass
	U-NII-2A	52	5260	14.83	15.25	15.07	15.49	N/A	24.00	Pass
		60	5280	14.48	15.02	14.72	15.26	N/A	24.00	Pass
		64	5320	14.50	15.00	14.74	15.24	N/A	24.00	Pass
	U-NII-2C	100	5500	17.07	17.02	17.31	17.26	N/A	24.00	Pass
		116	5580	18.39	18.67	18.63	18.91	N/A	24.00	Pass
		140	5700	17.68	18.23	17.92	18.47	N/A	24.00	Pass
	U-NII-3	149	5745	18.93	19.23	19.17	19.47	N/A	30.00	Pass
		157	5785	19.19	19.59	19.43	19.83	N/A	30.00	Pass
		165	5825	17.83	18.31	18.07	18.55	N/A	30.00	Pass
IEEE 802.11n-HT20	U-NII-1	36	5180	18.37	18.00	18.80	18.43	21.63	27.91	Pass
		40	5200	18.60	18.33	19.03	18.76	21.91	27.91	Pass
		48	5240	18.55	18.39	18.98	18.82	21.91	27.91	Pass
	U-NII-2A	52	5260	9.78	10.17	10.21	10.60	13.42	21.93	Pass
		60	5280	9.47	9.90	9.90	10.33	13.13	21.93	Pass
		64	5320	9.49	10.03	9.92	10.46	13.21	21.93	Pass
	U-NII-2C	100	5500	11.00	10.93	11.43	11.36	14.41	21.99	Pass
		116	5580	12.33	12.70	12.76	13.13	15.96	21.99	Pass
		140	5700	12.61	12.31	13.04	12.74	15.90	21.99	Pass
	U-NII-3	149	5745	19.97	19.98	20.40	20.41	23.42	28.06	Pass
		157	5785	20.20	20.38	20.63	20.81	23.73	28.06	Pass
		165	5825	18.88	19.15	19.31	19.58	22.46	28.06	Pass
IEEE 802.11n-HT40	U-NII-1	38	5190	17.03	16.82	17.84	17.63	20.75	27.91	Pass
		46	5230	18.31	18.03	19.12	18.84	22.00	27.91	Pass
	U-NII-2A	54	5270	9.39	9.79	10.20	10.60	13.42	21.93	Pass
		62	5310	9.30	9.80	10.11	10.61	13.38	21.93	Pass
	U-NII-2C	102	5510	10.78	10.77	11.59	11.58	14.60	21.99	Pass
		110	5550	10.98	10.88	11.79	11.69	14.75	21.99	Pass
		134	5670	11.94	11.69	12.75	12.50	15.64	21.99	Pass
	U-NII-3	151	5755	20.03	19.90	20.84	20.71	23.79	28.06	Pass

Mode	Band	Channel	Freq. (MHz)	CONDUCTED AVG POWER						
				Meas Value (dBm)		Corr'd Value (dBm)			Limit (dBm)	Result
				Ant. 1	Ant. 3	Ant. 1	Ant. 3	Total		
		159	5795	19.99	20.00	20.80	20.81	23.82	28.06	Pass
IEEE 802.11ac-VHT20	U-NII-1	36	5180	18.30	18.03	18.70	18.43	21.58	27.91	Pass
		40	5200	18.51	18.36	18.91	18.76	21.85	27.91	Pass
		48	5240	18.53	18.41	18.93	18.81	21.88	27.91	Pass
	U-NII-2A	52	5260	9.63	10.18	10.03	10.58	13.32	21.93	Pass
		60	5280	9.35	9.94	9.75	10.34	13.06	21.93	Pass
		64	5320	9.34	10.01	9.74	10.41	13.10	21.93	Pass
	U-NII-2C	100	5500	10.91	10.94	11.31	11.34	14.33	21.99	Pass
		116	5580	12.35	12.72	12.75	13.12	15.95	21.99	Pass
		140	5700	12.48	12.31	12.88	12.71	15.81	21.99	Pass
	U-NII-3	149	5745	19.71	19.99	20.11	20.39	23.26	28.06	Pass
		157	5785	19.99	20.35	20.39	20.75	23.58	28.06	Pass
		165	5825	18.58	19.18	18.98	19.58	22.30	28.06	Pass
IEEE 802.11ac-VHT40	U-NII-1	38	5190	17.06	16.77	17.81	17.52	20.68	27.91	Pass
		46	5230	18.45	18.00	19.20	18.75	21.99	27.91	Pass
	U-NII-2A	54	5270	9.49	9.81	10.24	10.56	13.41	21.93	Pass
		62	5310	9.39	9.78	10.14	10.53	13.35	21.93	Pass
	U-NII-2C	102	5510	10.86	10.72	11.61	11.47	14.55	21.99	Pass
		110	5550	11.02	10.88	11.77	11.63	14.71	21.99	Pass
		134	5670	11.98	11.67	12.73	12.42	15.59	21.99	Pass
	U-NII-3	151	5755	19.73	19.90	20.48	20.65	23.58	28.06	Pass
		159	5795	19.83	19.99	20.58	20.74	23.67	28.06	Pass
IEEE 802.11ac-VHT80	U-NII-1	42	5210	12.08	11.82	13.42	13.16	16.30	27.91	Pass
	U-NII-2A	58	5290	8.24	8.63	9.58	9.97	12.79	21.93	Pass
	U-NII-2C	106	5530	9.76	9.59	11.10	10.93	14.03	21.99	Pass
		122	5610	10.98	11.22	12.32	12.56	15.45	21.99	Pass
	U-NII-3	155	5775	17.46	17.79	18.80	19.13	21.98	28.06	Pass
IEEE 802.11ac-VHT160	U-NII-2A	50	5250	8.65	7.89	10.49	9.73	13.13	21.93	Pass
	U-NII-2C	114	5570	9.40	8.98	11.24	10.82	14.04	21.99	Pass

Mode	Band	Channel	Freq. (MHz)	RU & Index	CONDUCTED AVG POWER						
					Meas Value (dBm)		Corr'd Value (dBm)			Limit (dBm)	Result
					Ant. 1	Ant. 3	Ant. 1	Ant. 3	Total		
IEEE 802.11ax-HE20	U-NII-1	36	5180	SU	18.43	18.11	19.65	19.33	22.51	27.91	Pass
		40	5200	SU	18.71	18.45	19.93	19.67	22.81	27.91	Pass
		48	5240	SU	18.79	18.58	20.01	19.80	22.92	27.91	Pass
	U-NII-2A	52	5260	SU	9.95	10.30	11.17	11.52	14.36	21.93	Pass
		60	5280	SU	9.56	10.07	10.78	11.29	14.05	21.93	Pass
		64	5320	SU	9.61	10.12	10.83	11.34	14.10	21.93	Pass
	U-NII-2C	100	5500	SU	11.03	11.00	12.25	12.22	15.25	21.99	Pass
		116	5580	SU	12.49	12.88	13.71	14.10	16.92	21.99	Pass
		140	5700	SU	12.77	12.43	13.99	13.65	16.84	21.99	Pass
	U-NII-3	149	5745	SU	20.03	20.13	21.25	21.35	24.31	28.06	Pass
		157	5785	SU	20.28	20.51	21.50	21.73	24.63	28.06	Pass
		165	5825	SU	18.92	19.26	20.14	20.48	23.33	28.06	Pass
IEEE 802.11ax-HE40	U-NII-1	38	5190	SU	16.83	17.01	18.08	18.26	21.18	27.91	Pass
		46	5230	SU	18.59	18.26	19.84	19.51	22.69	27.91	Pass
	U-NII-2A	54	5270	SU	9.63	10.00	10.88	11.25	14.08	21.93	Pass
		62	5310	SU	9.50	9.95	10.75	11.20	13.99	21.93	Pass
	U-NII-2C	102	5510	SU	11.03	10.89	12.28	12.14	15.22	21.99	Pass
		110	5550	SU	11.20	11.08	12.45	12.33	15.40	21.99	Pass
		134	5670	SU	12.16	11.85	13.41	13.10	16.27	21.99	Pass
	U-NII-3	151	5755	SU	19.88	19.99	21.13	21.24	24.20	28.06	Pass
		159	5795	SU	20.03	20.15	21.28	21.40	24.35	28.06	Pass
IEEE 802.11ax-HE80	U-NII-1	42	5210	SU	12.15	12.08	13.40	13.33	16.37	27.91	Pass
	U-NII-2A	58	5290	SU	8.57	8.80	9.82	10.05	12.95	21.93	Pass
	U-NII-2C	106	5530	SU	10.05	10.87	11.30	12.12	14.74	21.99	Pass
		122	5610	SU	11.26	11.50	12.51	12.75	15.64	21.99	Pass
	U-NII-3	155	5775	SU	17.74	18.01	18.99	19.26	22.14	28.06	Pass
IEEE 802.11ax-HE160	U-NII-2A	50	5250	SU	9.12	8.38	10.75	10.01	13.40	21.93	Pass
	U-NII-2C	114	5570	SU	9.56	9.41	11.19	11.04	14.12	21.99	Pass

MIMO_ Ant. 2+3:

Mode	Band	Channel	Freq. (MHz)	CONDUCTED AVG POWER					Limit (dBm)	Result
				Meas Value (dBm)		Corr'd Value (dBm)				
				Ant. 2	Ant. 3	Ant. 2	Ant. 3	Total		
IEEE 802.11a	U-NII-1	36	5180	18.39	18.03	18.63	18.27	N/A	30.00	Pass
		40	5200	18.87	18.43	19.11	18.67	N/A	30.00	Pass
		48	5240	18.83	18.46	19.07	18.70	N/A	30.00	Pass
	U-NII-2A	52	5260	14.61	15.25	14.85	15.49	N/A	24.00	Pass
		60	5280	14.38	15.02	14.62	15.26	N/A	24.00	Pass
		64	5320	14.49	15.00	14.73	15.24	N/A	24.00	Pass
	U-NII-2C	100	5500	17.95	17.02	18.19	17.26	N/A	24.00	Pass
		116	5580	17.87	18.67	18.11	18.91	N/A	24.00	Pass
		140	5700	17.90	18.23	18.14	18.47	N/A	24.00	Pass
	U-NII-3	149	5745	19.21	19.23	19.45	19.47	N/A	30.00	Pass
		157	5785	19.49	19.59	19.73	19.83	N/A	30.00	Pass
		165	5825	18.71	18.31	18.95	18.55	N/A	30.00	Pass
IEEE 802.11n-HT20	U-NII-1	36	5180	18.83	18.00	19.26	18.43	21.88	27.91	Pass
		40	5200	18.79	18.33	19.22	18.76	22.01	27.91	Pass
		48	5240	18.81	18.39	19.24	18.82	22.05	27.91	Pass
	U-NII-2A	52	5260	9.97	10.17	10.40	10.60	13.51	21.93	Pass
		60	5280	9.83	9.90	10.26	10.33	13.31	21.93	Pass
		64	5320	9.77	10.03	10.20	10.46	13.34	21.93	Pass
	U-NII-2C	100	5500	11.91	10.93	12.34	11.36	14.89	21.99	Pass
		116	5580	11.89	12.70	12.32	13.13	15.76	21.99	Pass
		140	5700	12.86	12.31	13.29	12.74	16.04	21.99	Pass
	U-NII-3	149	5745	20.03	19.98	20.46	20.41	23.45	28.06	Pass
		157	5785	20.45	20.38	20.88	20.81	23.86	28.06	Pass
		165	5825	19.63	19.15	20.06	19.58	22.84	28.06	Pass
IEEE 802.11n-HT40	U-NII-1	38	5190	17.16	16.82	17.97	17.63	20.82	27.91	Pass
		46	5230	18.38	18.03	19.19	18.84	22.03	27.91	Pass
	U-NII-2A	54	5270	9.30	9.79	10.11	10.60	13.38	21.93	Pass
		62	5310	9.26	9.80	10.07	10.61	13.36	21.93	Pass
	U-NII-2C	102	5510	11.78	10.77	12.59	11.58	15.13	21.99	Pass
		110	5550	12.00	10.88	12.81	11.69	15.30	21.99	Pass
		134	5670	11.62	11.69	12.43	12.50	15.48	21.99	Pass
	U-NII-3	151	5755	19.86	19.90	20.67	20.71	23.70	28.06	Pass

Mode	Band	Channel	Freq. (MHz)	CONDUCTED AVG POWER						
				Meas Value (dBm)		Corr'd Value (dBm)			Limit (dBm)	Result
				Ant. 2	Ant. 3	Ant. 2	Ant. 3	Total		
		159	5795	19.98	20.00	20.79	20.81	23.81	28.06	Pass
IEEE 802.11ac-VHT20	U-NII-1	36	5180	18.49	18.03	18.89	18.43	21.68	27.91	Pass
		40	5200	18.89	18.36	19.29	18.76	22.04	27.91	Pass
		48	5240	18.99	18.41	19.39	18.81	22.12	27.91	Pass
	U-NII-2A	52	5260	9.66	10.18	10.06	10.58	13.34	21.93	Pass
		60	5280	9.47	9.94	9.87	10.34	13.12	21.93	Pass
		64	5320	9.52	10.01	9.92	10.41	13.18	21.93	Pass
	U-NII-2C	100	5500	11.93	10.94	12.33	11.34	14.87	21.99	Pass
		116	5580	11.91	12.72	12.31	13.12	15.74	21.99	Pass
		140	5700	12.88	12.31	13.28	12.71	16.01	21.99	Pass
	U-NII-3	149	5745	20.03	19.99	20.43	20.39	23.42	28.06	Pass
		157	5785	20.52	20.35	20.92	20.75	23.85	28.06	Pass
		165	5825	19.68	19.18	20.08	19.58	22.85	28.06	Pass
IEEE 802.11ac-VHT40	U-NII-1	38	5190	17.61	16.77	18.36	17.52	20.97	27.91	Pass
		46	5230	18.43	18.00	19.18	18.75	21.98	27.91	Pass
	U-NII-2A	54	5270	9.64	9.81	10.39	10.56	13.49	21.93	Pass
		62	5310	9.61	9.78	10.36	10.53	13.46	21.93	Pass
	U-NII-2C	102	5510	11.80	10.72	12.55	11.47	15.05	21.99	Pass
		110	5550	12.00	10.88	12.75	11.63	15.24	21.99	Pass
		134	5670	11.64	11.67	12.39	12.42	15.41	21.99	Pass
	U-NII-3	151	5755	19.79	19.90	20.54	20.65	23.61	28.06	Pass
		159	5795	19.98	19.99	20.73	20.74	23.74	28.06	Pass
IEEE 802.11ac-VHT80	U-NII-1	42	5210	12.25	11.82	13.59	13.16	16.39	27.91	Pass
	U-NII-2A	58	5290	8.19	8.63	9.53	9.97	12.76	21.93	Pass
	U-NII-2C	106	5530	10.73	9.59	12.07	10.93	14.55	21.99	Pass
		122	5610	10.56	11.22	11.90	12.56	15.25	21.99	Pass
	U-NII-3	155	5775	17.90	17.79	19.24	19.13	22.19	28.06	Pass
IEEE 802.11ac-VHT160	U-NII-2A	50	5250	8.37	7.89	10.21	9.73	12.98	21.93	Pass
	U-NII-2C	114	5570	9.81	8.98	11.65	10.82	14.26	21.99	Pass

Mode	Band	Channel	Freq. (MHz)	RU & Index	CONDUCTED AVG POWER						
					Meas Value (dBm)		Corr'd Value (dBm)			Limit (dBm)	Result
					Ant. 2	Ant. 3	Ant. 2	Ant. 3	Total		
IEEE 802.11ax-HE20	U-NII-1	36	5180	SU	18.54	18.11	19.76	19.33	22.56	27.91	Pass
		40	5200	SU	18.93	18.45	20.15	19.67	22.93	27.91	Pass
		48	5240	SU	19.08	18.58	20.30	19.80	23.07	27.91	Pass
	U-NII-2A	52	5260	SU	9.85	10.30	11.07	11.52	14.31	21.93	Pass
		60	5280	SU	9.60	10.07	10.82	11.29	14.07	21.93	Pass
		64	5320	SU	9.65	10.12	10.87	11.34	14.12	21.93	Pass
	U-NII-2C	100	5500	SU	12.06	11.00	13.28	12.22	15.79	21.99	Pass
		116	5580	SU	12.00	12.88	13.22	14.10	16.69	21.99	Pass
		140	5700	SU	13.00	12.43	14.22	13.65	16.96	21.99	Pass
	U-NII-3	149	5745	SU	20.22	20.13	21.44	21.35	24.41	28.06	Pass
		157	5785	SU	20.55	20.51	21.77	21.73	24.76	28.06	Pass
		165	5825	SU	19.78	19.26	21.00	20.48	23.76	28.06	Pass
IEEE 802.11ax-HE40	U-NII-1	38	5190	SU	17.00	17.01	18.25	18.26	21.26	27.91	Pass
		46	5230	SU	18.67	18.26	19.92	19.51	22.73	27.91	Pass
	U-NII-2A	54	5270	SU	9.48	10.00	10.73	11.25	14.01	21.93	Pass
		62	5310	SU	9.46	9.95	10.71	11.20	13.97	21.93	Pass
	U-NII-2C	102	5510	SU	11.94	10.89	13.19	12.14	15.71	21.99	Pass
		110	5550	SU	12.15	11.08	13.40	12.33	15.91	21.99	Pass
		134	5670	SU	11.81	11.85	13.06	13.10	16.09	21.99	Pass
	U-NII-3	151	5755	SU	19.98	19.99	21.23	21.24	24.24	28.06	Pass
		159	5795	SU	20.18	20.15	21.43	21.40	24.42	28.06	Pass
IEEE 802.11ax-HE80	U-NII-1	42	5210	SU	11.71	11.58	12.96	12.83	15.91	27.91	Pass
	U-NII-2A	58	5290	SU	8.41	8.80	9.66	10.05	12.87	21.93	Pass
	U-NII-2C	106	5530	SU	10.97	10.87	12.22	12.12	15.18	21.99	Pass
		122	5610	SU	10.73	11.50	11.98	12.75	15.39	21.99	Pass
	U-NII-3	155	5775	SU	18.55	18.01	19.80	19.26	22.55	28.06	Pass
IEEE 802.11ax-HE160	U-NII-2A	50	5250	SU	8.88	8.38	10.51	10.01	13.27	21.93	Pass
	U-NII-2C	114	5570	SU	10.64	9.41	12.27	11.04	14.71	21.99	Pass

5.6 PEAK POWER SPECTRAL DENSITY

Test Requirement: FCC 47 CFR Part 15 Subpart E Section 15.407 (a)(1)(2)(3)
Test Method: KDB 789033 D02 v02r01 Section F
Limits:

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 conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

   (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. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 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. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

   (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. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

2. 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. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, 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. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure:

The output from the transmitter was connected to an attenuator and then to the input of the RF Spectrum Analyzer.

Spectrum analyzer according to the following Settings:

1. For U-NII-1, U-NII-2A, U-NII-2C band:

Using method SA-2

a) Set span to encompass the entire emission bandwidth (EBW) of the signal.
b) Set RBW = 1 MHz, Set VBW ≥ 3 RBW, Detector = RMS
c) Sweep time = auto, trigger set to “free run”.
d) Trace average at least 100 traces in power averaging mode.
e) Record the max value and add 10 log (1/duty cycle)

2. For U-NII-3 band:

a) Set span to encompass the entire emission bandwidth (EBW) of the signal.
b) Set RBW = 500 kHz, Set VBW ≥ 3 RBW, Detector = RMS
c) Use the peak marker function to determine the maximum power level in any 500 kHz band segment within the fundamental EBW.
d) Sweep time = auto, trigger set to “free run”.
e) Trace average at least 100 traces in power averaging mode.
f) Record the max value and add 10 log (1/duty cycle)

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.5.3 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Transmitter mode

Test Results: **Please refer to Appendix A**

Directional gain and the maximum power spectral density limit.

MIMO_ Ant. 1+2:

Frequency (MHz)	Antenna Gain (dBi)		Directional gain (dBi)		Limit	
	Ant .0	Ant .1	Power	PSD	Power (dBm)	PSD (dBm/MHz or dBm/500kHz)
U-NII-1	5.37	5.39	8.39	8.39	27.61	14.61
U-NII-2A	5.23	4.96	8.11	8.11	21.89	8.89
U-NII-2C	5.19	5.03	8.12	8.12	21.88	8.88
U-NII-3	5.36	5.31	8.35	8.35	27.65	27.65
Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows: If transmit signals are correlated, then Directional gain = 10 log[(10^G1 /20 + 10^G2 /20 + … + 10^GN /20)^2 /NANT] dBi [Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]						

MIMO_ Ant. 1+3:

Frequency (MHz)	Antenna Gain (dBi)		Directional gain (dBi)		Limit	
	Ant .0	Ant .1	Power	PSD	Power (dBm)	PSD (dBm/MHz or dBm/500kHz)
U-NII-1	5.37	4.78	8.09	8.09	27.91	14.91
U-NII-2A	5.23	4.88	8.07	8.07	21.93	8.93
U-NII-2C	5.19	4.81	8.01	8.01	21.99	8.99
U-NII-3	5.36	4.48	7.94	7.94	28.06	28.06
Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows: If transmit signals are correlated, then Directional gain = 10 log[(10^G1 /20 + 10^G2 /20 + … + 10^GN /20)^2 /NANT] dBi [Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]						

MIMO_ Ant. 2+3:

Frequency (MHz)	Antenna Gain (dBi)		Directional gain (dBi)		Limit	
	Ant .0	Ant .1	Power	PSD	Power (dBm)	PSD (dBm/MHz or dBm/500kHz)
U-NII-1	5.39	4.78	8.10	8.10	27.91	14.91
U-NII-2A	4.96	4.88	7.93	7.93	21.93	8.93
U-NII-2C	5.03	4.81	7.93	7.93	21.99	8.99
U-NII-3	5.31	4.48	7.92	7.92	28.06	28.06
Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows: If transmit signals are correlated, then Directional gain = 10 log[(10^G1 /20 + 10^G2 /20 + … + 10^GN /20)^2 /NANT] dBi [Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]						

5.7 RADIATED EMISSIONS AND BAND EDGE MEASUREMENT

Test Requirement: FCC 47 CFR Part 15 Subpart E Section 15.407 (b)(1)(2)(3)(4)(6)
FCC 47 CFR Part 15 Subpart C Section 15.209/205

Test Method: KDB 789033 D02 v02r01 Section G.3, G.4, G.5, and G.6

Receiver Setup:

Frequency	RBW
0.009 MHz-0.150 MHz	200/300 kHz
0.150 MHz -30 MHz	9/10 kHz
30 MHz-1 GHz	100/120 kHz
Above 1 GHz	1 MHz

Limits:

1. Limits of Radiated Emission and Band edge Measurement

Radiated emissions that fall in the restricted bands must comply with the general emissions limits in 15.209(a) as below table. Other emissions shall be at least 20 dB below the highest level of the desired power.

Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009 MHz-0.490 MHz	2400/F(kHz)	--	--	300
0.490 MHz-1.705 MHz	24000/F(kHz)	--	--	30
1.705 MHz-30 MHz	30	--	--	30
30 MHz-88 MHz	100	40.0	Quasi-peak	3
88 MHz-216 MHz	150	43.5	Quasi-peak	3
216 MHz-960 MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1 GHz	500	54.0	Average	3

Remark:

a. The lower limit shall apply at the transition frequencies.
b. Emission level (dBμV/m) = 20 log Emission level (uV/m).
c. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

2. Limits of Unwanted Emission Out of the Restricted Bands

Applicable To	Limit	
789033 D02 General U-NII Test Procedures New Rules v01r04	Field Strength at 3 m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
FCC Part 15.407 (b)(1)	PK: -27 (dBm/MHz)	PK: 74 (dBμV/m)
FCC Part 15.407 (b)(2)	PK: -27 (dBm/MHz)	PK: 74 (dBμV/m)
FCC Part 15.407 (b)(3)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
FCC Part 15.407 (b)(4)	27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;	PK: 68.2 (dBμV/m)
	15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;	
	10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges;	
	-27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.	

Test Setup: Refer to section 4.5.1 for details.

Test Procedures:

1. The EUT was placed on the top of a rotating table 0.8 meters (for below 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
6. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Remark:

a) The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
b) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
c) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for RMS Average (Duty cycle < 98 %) for Average detection (AV) at frequency above 1 GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
d) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz (Duty cycle ≥ 98 %) or ≥ 1/T(duty cycle is < 98%) for Average detection (AV) at frequency above 1 GHz.
e) All modes of operation were investigated and the worst-case emissions are reported.

Equipment Used: Refer to section 3 for details.

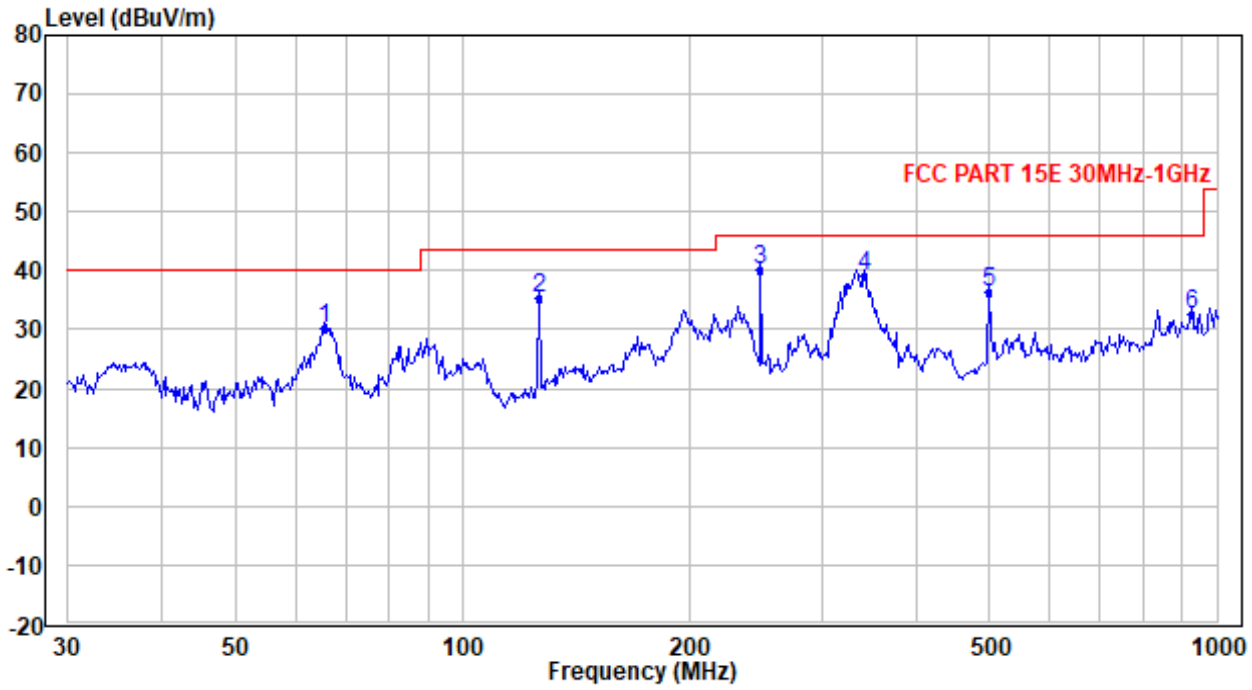
Test Result: Pass

The measurement data as follows:

Radiated Emission Test Data (9 KHz ~ 30 MHz):
The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

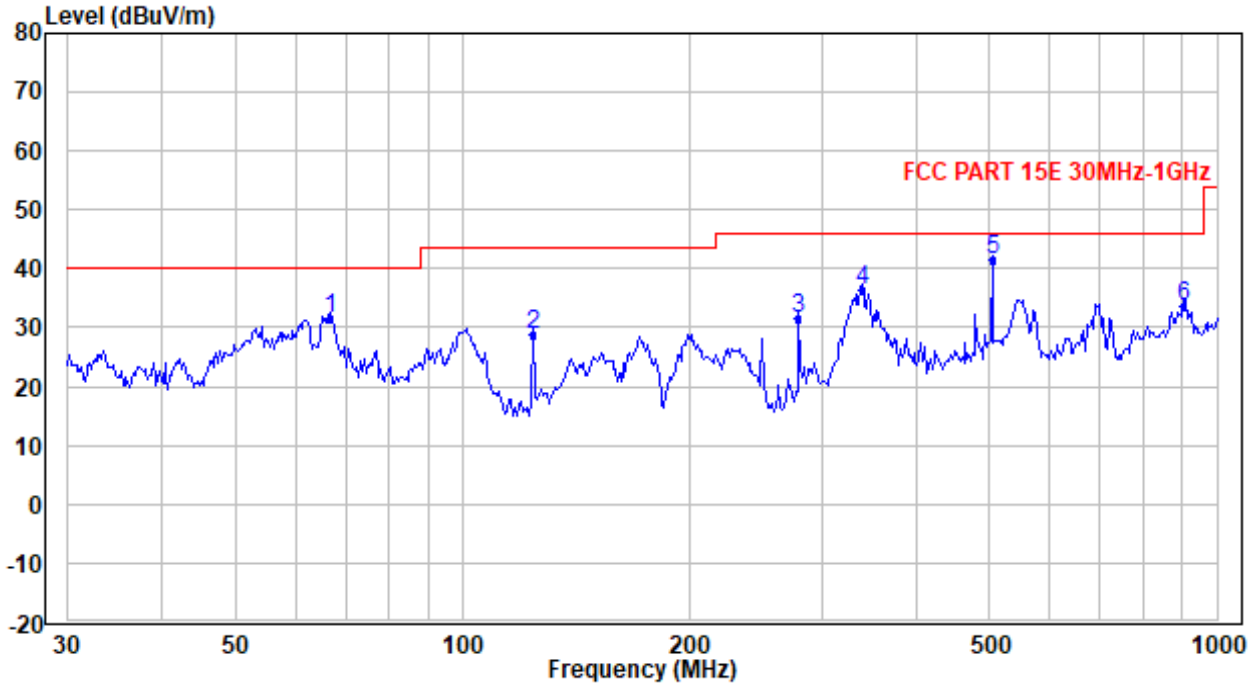
Radiated Emission Test Data (30 MHz ~ 1 GHz):
Worst-Case Configuration

Horizontal



No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	65.616	48.01	-17.73	30.28	40.00	-9.72	QP
2	126.393	50.90	-15.64	35.26	43.50	-8.24	QP
3	248.464	50.78	-10.61	40.17	46.00	-5.83	QP
4	340.487	46.44	-7.35	39.09	46.00	-6.91	QP
5	498.461	38.97	-2.55	36.42	46.00	-9.58	QP
6	926.604	27.84	4.85	32.69	46.00	-13.31	QP

Vertical



No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	66.624	49.38	-17.78	31.60	40.00	-8.40	QP
2	123.849	44.48	-15.58	28.90	43.50	-14.60	QP
3	279.271	41.22	-9.71	31.51	46.00	-14.49	QP
4	338.761	43.67	-7.41	36.26	46.00	-9.74	QP
5	503.553	43.78	-2.42	41.36	46.00	-4.64	QP
6	903.355	28.84	4.88	33.72	46.00	-12.28	QP

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 1_IEEE 802.11a_Channel 36								
1	10360	38.3	3.4	41.7	54	-12.3	Average	Horizontal
2	10360	46.4	3.4	49.7	68.2	-18.5	Peak	Horizontal
3	15540	34.8	7.6	42.4	54	-11.6	Average	Horizontal
4	15540	44.2	7.6	51.8	74	-22.2	Peak	Horizontal
5	10360	40.4	3.4	43.8	54	-10.2	Average	Vertical
6	10360	49.8	3.4	53.2	68.2	-15.1	Peak	Vertical
7	15540	34.6	7.6	42.2	54	-11.9	Average	Vertical
8	15540	45.1	7.6	52.7	74	-21.4	Peak	Vertical
SISO_ Ant. 1_IEEE 802.11a_Channel 40								
1	10440	37.9	3.4	41.3	54	-12.7	Average	Horizontal
2	10440	48.6	3.4	52.0	68.2	-16.2	Peak	Horizontal
3	15660	35.0	7.5	42.5	54	-11.5	Average	Horizontal
4	15660	44.2	7.5	51.6	74	-22.4	Peak	Horizontal
5	10440	40.9	3.4	44.3	54	-9.7	Average	Vertical
6	10440	49.4	3.4	52.8	68.2	-15.4	Peak	Vertical
7	15660	34.8	7.5	42.3	54	-11.8	Average	Vertical
8	15660	44.4	7.5	51.8	74	-22.2	Peak	Vertical
SISO_ Ant. 1_IEEE 802.11a_Channel 48								
1	10480	37.7	3.4	41.1	54	-12.9	Average	Horizontal
2	10480	46.8	3.4	50.2	68.2	-18.0	Peak	Horizontal
3	15720	36.5	7.4	43.9	54	-10.2	Average	Horizontal
4	15720	45.4	7.4	52.8	74	-21.2	Peak	Horizontal
5	10480	40.2	3.4	43.6	54	-10.4	Average	Vertical
6	10480	49.0	3.4	52.4	68.2	-15.8	Peak	Vertical
7	15720	35.9	7.4	43.3	54	-10.7	Average	Vertical
8	15720	45.2	7.4	52.6	74	-21.4	Peak	Vertical
SISO_ Ant. 1_IEEE 802.11a_Channel 52								
1	10520	36.1	3.4	39.4	54	-14.6	Average	Horizontal
2	10520	44.7	3.4	48.0	68.2	-20.2	Peak	Horizontal
3	15780	36.1	7.4	43.5	54	-10.5	Average	Horizontal
4	15780	45.9	7.4	53.3	74	-20.7	Peak	Horizontal
5	10520	37.2	3.4	40.6	54	-13.4	Average	Vertical
6	10520	47.5	3.4	50.8	68.2	-17.4	Peak	Vertical
7	15780	35.7	7.4	43.1	54	-10.9	Average	Vertical
8	15780	46.4	7.4	53.7	74	-20.3	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 1_IEEE 802.11a_Channel 56								
1	10600	35.4	3.2	38.6	54	-15.4	Average	Horizontal
2	10600	44.5	3.2	47.7	74	-26.3	Peak	Horizontal
3	15900	35.7	7.2	43.0	54	-11.0	Average	Horizontal
4	15900	44.9	7.2	52.1	74	-21.9	Peak	Horizontal
5	10600	36.7	3.2	39.9	54	-14.1	Average	Vertical
6	10600	45.0	3.2	48.2	74	-25.8	Peak	Vertical
7	15900	35.9	7.2	43.1	54	-10.9	Average	Vertical
8	15900	44.2	7.2	51.4	74	-22.6	Peak	Vertical
SISO_ Ant. 1_IEEE 802.11a_Channel 64								
1	10640	35.7	3.1	38.8	54	-15.2	Average	Horizontal
2	10640	44.8	3.1	47.9	74	-26.1	Peak	Horizontal
3	15960	34.9	7.2	42.1	54	-11.9	Average	Horizontal
4	15960	45.1	7.2	52.3	74	-21.7	Peak	Horizontal
5	10640	36.3	3.1	39.4	54	-14.6	Average	Vertical
6	10640	45.2	3.1	48.3	74	-25.7	Peak	Vertical
7	15960	34.5	7.2	41.7	54	-12.3	Average	Vertical
8	15960	43.7	7.2	50.9	74	-23.1	Peak	Vertical
SISO_ Ant. 1_IEEE 802.11a_Channel 100								
1	11000	36.8	2.4	39.2	54	-14.8	Average	Horizontal
2	11000	46.5	2.4	48.8	74	-25.2	Peak	Horizontal
3	16500	35.9	8.0	43.9	54	-10.1	Average	Horizontal
4	16500	45.5	8.0	53.5	68.2	-14.7	Peak	Horizontal
5	11000	38.5	2.4	40.8	54	-13.2	Average	Vertical
6	11000	47.0	2.4	49.4	74	-24.7	Peak	Vertical
7	16500	36.0	8.0	44.0	54	-10.0	Average	Vertical
8	16500	45.3	8.0	53.3	68.2	-14.9	Peak	Vertical
SISO_ Ant. 1_IEEE 802.11a_Channel 116								
1	11160	37.6	2.3	39.8	54	-14.2	Average	Horizontal
2	11160	47.3	2.3	49.5	74	-24.5	Peak	Horizontal
3	16740	34.8	8.3	43.1	54	-10.9	Average	Horizontal
4	16740	43.6	8.3	51.9	68.2	-16.3	Peak	Horizontal
5	11160	39.3	2.3	41.5	54	-12.5	Average	Vertical
6	11160	48.6	2.3	50.8	74	-23.2	Peak	Vertical
7	16740	34.7	8.3	43.1	54	-11.0	Average	Vertical
8	16740	45.3	8.3	53.6	68.2	-14.6	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 1_IEEE 802.11a_Channel 140								
1	11400	36.0	2.1	38.1	54	-15.9	Average	Horizontal
2	11400	47.2	2.1	49.3	74	-24.7	Peak	Horizontal
3	17100	37.0	8.8	45.8	54	-8.2	Average	Horizontal
4	17100	47.5	8.8	56.3	68.2	-11.9	Peak	Horizontal
5	11400	37.1	2.1	39.2	54	-14.8	Average	Vertical
6	11400	46.6	2.1	48.7	74	-25.3	Peak	Vertical
7	17100	35.9	8.8	44.7	54	-9.3	Average	Vertical
8	17100	45.1	8.8	53.9	68.2	-14.3	Peak	Vertical
SISO_ Ant. 1_IEEE 802.11a_Channel 149								
1	11490	35.2	2.1	37.2	54	-16.8	Average	Horizontal
2	11490	44.8	2.1	46.8	74	-27.2	Peak	Horizontal
3	17235	37.0	9.0	46.0	54	-8.0	Average	Horizontal
4	17235	46.2	9.0	55.2	68.2	-13.0	Peak	Horizontal
5	11490	35.9	2.1	37.9	54	-16.1	Average	Vertical
6	11490	45.3	2.1	47.4	74	-26.6	Peak	Vertical
7	17235	35.5	9.0	44.5	54	-9.5	Average	Vertical
8	17235	44.3	9.0	53.2	68.2	-15.0	Peak	Vertical
SISO_ Ant. 1_IEEE 802.11a_Channel 157								
1	11570	35.7	2.1	37.8	54	-16.2	Average	Horizontal
2	11570	46.2	2.1	48.2	74	-25.8	Peak	Horizontal
3	17355	39.7	9.2	48.8	54	-5.2	Average	Horizontal
4	17355	48.8	9.2	58.0	68.2	-10.2	Peak	Horizontal
5	11570	35.7	2.1	37.8	54	-16.2	Average	Vertical
6	11570	45.0	2.1	47.1	74	-26.9	Peak	Vertical
7	17355	36.0	9.2	45.1	54	-8.9	Average	Vertical
8	17355	45.3	9.2	54.4	68.2	-13.8	Peak	Vertical
SISO_ Ant. 1_IEEE 802.11a_Channel 165								
1	11650	35.8	2.1	37.8	54	-16.2	Average	Horizontal
2	11650	45.8	2.1	47.9	74	-26.1	Peak	Horizontal
3	17475	35.6	9.3	44.9	54	-9.1	Average	Horizontal
4	17475	45.4	9.3	54.7	68.2	-13.5	Peak	Horizontal
5	11650	36.1	2.1	38.2	54	-15.8	Average	Vertical
6	11650	44.8	2.1	46.9	74	-27.1	Peak	Vertical
7	17475	34.1	9.3	43.4	54	-10.6	Average	Vertical
8	17475	43.3	9.3	52.6	68.2	-15.6	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 2_IEEE 802.11a_Channel 36								
1	10360	37.8	3.4	41.2	54	-12.8	Average	Horizontal
2	10360	48.0	3.4	51.4	68.2	-16.8	Peak	Horizontal
3	15540	34.5	7.6	42.0	54	-12.0	Average	Horizontal
4	15540	43.5	7.6	51.0	74	-23.0	Peak	Horizontal
5	10360	39.3	3.4	42.7	54	-11.3	Average	Vertical
6	10360	48.4	3.4	51.8	68.2	-16.4	Peak	Vertical
7	15540	34.2	7.6	41.8	54	-12.2	Average	Vertical
8	15540	43.3	7.6	50.9	74	-23.1	Peak	Vertical
SISO_ Ant. 2_IEEE 802.11a_Channel 40								
1	10440	37.7	3.4	41.1	54	-12.9	Average	Horizontal
2	10440	48.1	3.4	51.5	68.2	-16.7	Peak	Horizontal
3	15660	34.7	7.5	42.2	54	-11.8	Average	Horizontal
4	15660	44.5	7.5	52.0	74	-22.0	Peak	Horizontal
5	10440	39.8	3.4	43.2	54	-10.8	Average	Vertical
6	10440	48.1	3.4	51.5	68.2	-16.7	Peak	Vertical
7	15660	35.0	7.5	42.4	54	-11.6	Average	Vertical
8	15660	44.3	7.5	51.7	74	-22.3	Peak	Vertical
SISO_ Ant. 2_IEEE 802.11a_Channel 48								
1	10480	36.9	3.4	40.3	54	-13.7	Average	Horizontal
2	10480	46.7	3.4	50.1	68.2	-18.1	Peak	Horizontal
3	15720	35.9	7.4	43.3	54	-10.7	Average	Horizontal
4	15720	46.2	7.4	53.6	74	-20.4	Peak	Horizontal
5	10480	39.0	3.4	42.4	54	-11.6	Average	Vertical
6	10480	48.6	3.4	52.0	68.2	-16.2	Peak	Vertical
7	15720	36.2	7.4	43.6	54	-10.4	Average	Vertical
8	15720	46.0	7.4	53.4	74	-20.6	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 2_IEEE 802.11a_Channel 52								
1	10520	35.7	3.4	39.0	54	-15.0	Average	Horizontal
2	10520	45.2	3.4	48.5	68.2	-19.7	Peak	Horizontal
3	15780	35.7	7.4	43.1	54	-10.9	Average	Horizontal
4	15780	44.7	7.4	52.1	74	-21.9	Peak	Horizontal
5	10520	36.4	3.4	39.7	54	-14.3	Average	Vertical
6	10520	45.4	3.4	48.8	68.2	-19.5	Peak	Vertical
7	15780	35.6	7.4	42.9	54	-11.1	Average	Vertical
8	15780	44.9	7.4	52.2	74	-21.8	Peak	Vertical
SISO_ Ant. 2_IEEE 802.11a_Channel 56								
1	10600	35.2	3.2	38.4	54	-15.6	Average	Horizontal
2	10600	45.4	3.2	48.6	74	-25.4	Peak	Horizontal
3	15900	35.6	7.2	42.9	54	-11.2	Average	Horizontal
4	15900	44.9	7.2	52.1	74	-21.9	Peak	Horizontal
5	10600	36.8	3.2	39.9	54	-14.1	Average	Vertical
6	10600	44.8	3.2	48.0	74	-26.0	Peak	Vertical
7	15900	35.6	7.2	42.8	54	-11.2	Average	Vertical
8	15900	45.2	7.2	52.4	74	-21.6	Peak	Vertical
SISO_ Ant. 2_IEEE 802.11a_Channel 64								
1	10640	35.2	3.1	38.3	54	-15.7	Average	Horizontal
2	10640	43.9	3.1	47.0	74	-27.0	Peak	Horizontal
3	15960	34.3	7.2	41.5	54	-12.5	Average	Horizontal
4	15960	43.2	7.2	50.4	74	-23.6	Peak	Horizontal
5	10640	35.0	3.1	38.1	54	-15.9	Average	Vertical
6	10640	44.7	3.1	47.8	74	-26.2	Peak	Vertical
7	15960	34.6	7.2	41.8	54	-12.2	Average	Vertical
8	15960	43.9	7.2	51.0	74	-23.0	Peak	Vertical
SISO_ Ant. 2_IEEE 802.11a_Channel 100								
1	11000	37.4	2.4	39.7	54	-14.3	Average	Horizontal
2	11000	46.5	2.4	48.8	74	-25.2	Peak	Horizontal
3	16500	36.2	8.0	44.2	54	-9.8	Average	Horizontal
4	16500	45.3	8.0	53.3	68.2	-14.9	Peak	Horizontal
5	11000	38.4	2.4	40.8	54	-13.2	Average	Vertical
6	11000	47.8	2.4	50.1	74	-23.9	Peak	Vertical
7	16500	35.9	8.0	43.9	54	-10.1	Average	Vertical
8	16500	45.5	8.0	53.5	68.2	-14.7	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 2_IEEE 802.11a_Channel 116								
1	11160	37.1	2.3	39.3	54	-14.7	Average	Horizontal
2	11160	46.9	2.3	49.1	74	-24.9	Peak	Horizontal
3	16740	34.6	8.3	42.9	54	-11.1	Average	Horizontal
4	16740	44.3	8.3	52.6	68.2	-15.6	Peak	Horizontal
5	11160	37.6	2.3	39.8	54	-14.2	Average	Vertical
6	11160	47.8	2.3	50.1	74	-23.9	Peak	Vertical
7	16740	35.2	8.3	43.5	54	-10.5	Average	Vertical
8	16740	44.8	8.3	53.2	68.2	-15.1	Peak	Vertical
SISO_ Ant. 2_IEEE 802.11a_Channel 140								
1	11400	36.3	2.1	38.5	54	-15.6	Average	Horizontal
2	11400	43.8	2.1	45.9	74	-28.1	Peak	Horizontal
3	17100	35.6	8.8	44.3	54	-9.7	Average	Horizontal
4	17100	45.3	8.8	54.1	68.2	-14.1	Peak	Horizontal
5	11400	35.8	2.1	37.9	54	-16.1	Average	Vertical
6	11400	45.8	2.1	47.9	74	-26.1	Peak	Vertical
7	17100	35.4	8.8	44.2	54	-9.8	Average	Vertical
8	17100	44.3	8.8	53.1	68.2	-15.1	Peak	Vertical
SISO_ Ant. 2_IEEE 802.11a_Channel 149								
1	11490	34.8	2.1	36.9	54	-17.1	Average	Horizontal
2	11490	44.3	2.1	46.4	74	-27.6	Peak	Horizontal
3	17235	34.7	9.0	43.7	54	-10.3	Average	Horizontal
4	17235	44.7	9.0	53.7	68.2	-14.5	Peak	Horizontal
5	11490	36.0	2.1	38.0	54	-16.0	Average	Vertical
6	11490	45.5	2.1	47.6	74	-26.4	Peak	Vertical
7	17235	34.8	9.0	43.8	54	-10.2	Average	Vertical
8	17235	44.8	9.0	53.8	68.2	-14.4	Peak	Vertical
SISO_ Ant. 2_IEEE 802.11a_Channel 157								
1	11570	35.7	2.1	37.8	54	-16.2	Average	Horizontal
2	11570	44.6	2.1	46.7	74	-27.3	Peak	Horizontal
3	17355	33.6	9.2	42.7	54	-11.3	Average	Horizontal
4	17355	42.8	9.2	52.0	68.2	-16.2	Peak	Horizontal
5	11570	36.5	2.1	38.6	54	-15.4	Average	Vertical
6	11570	45.8	2.1	47.9	74	-26.1	Peak	Vertical
7	17355	33.4	9.2	42.5	54	-11.5	Average	Vertical
8	17355	42.8	9.2	52.0	68.2	-16.2	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 2_IEEE 802.11a_Channel 165								
1	11650	36.1	2.1	38.2	54	-15.8	Average	Horizontal
2	11650	45.7	2.1	47.8	74	-26.3	Peak	Horizontal
3	17475	34.2	9.3	43.5	54	-10.5	Average	Horizontal
4	17475	44.3	9.3	53.6	68.2	-14.6	Peak	Horizontal
5	11650	36.0	2.1	38.0	54	-16.0	Average	Vertical
6	11650	44.9	2.1	47.0	74	-27.0	Peak	Vertical
7	17475	34.1	9.3	43.5	54	-10.5	Average	Vertical
8	17475	43.8	9.3	53.1	68.2	-15.1	Peak	Vertical
SISO_ Ant. 3_IEEE 802.11a_Channel 36								
1	10360	38.2	3.4	41.6	54	-12.4	Average	Horizontal
2	10360	46.8	3.4	50.2	68.2	-18.0	Peak	Horizontal
3	15540	34.5	7.6	42.1	54	-11.9	Average	Horizontal
4	15540	44.5	7.6	52.0	74	-22.0	Peak	Horizontal
5	10360	40.0	3.4	43.4	54	-10.6	Average	Vertical
6	10360	48.2	3.4	51.6	68.2	-16.6	Peak	Vertical
7	15540	34.3	7.6	41.9	54	-12.1	Average	Vertical
8	15540	43.3	7.6	50.9	74	-23.1	Peak	Vertical
SISO_ Ant. 3_IEEE 802.11a_Channel 40								
1	10440	37.4	3.4	40.8	54	-13.2	Average	Horizontal
2	10440	47.0	3.4	50.4	68.2	-17.8	Peak	Horizontal
3	15660	35.4	7.5	42.8	54	-11.2	Average	Horizontal
4	15660	44.7	7.5	52.2	74	-21.8	Peak	Horizontal
5	10440	40.0	3.4	43.4	54	-10.6	Average	Vertical
6	10440	49.4	3.4	52.8	68.2	-15.5	Peak	Vertical
7	15660	35.4	7.5	42.9	54	-11.1	Average	Vertical
8	15660	44.4	7.5	51.8	74	-22.2	Peak	Vertical
SISO_ Ant. 3_IEEE 802.11a_Channel 48								
1	10480	36.7	3.4	40.1	54	-13.9	Average	Horizontal
2	10480	47.0	3.4	50.4	68.2	-17.8	Peak	Horizontal
3	15720	35.5	7.4	42.9	54	-11.1	Average	Horizontal
4	15720	44.8	7.4	52.2	74	-21.8	Peak	Horizontal
5	10480	39.9	3.4	43.3	54	-10.7	Average	Vertical
6	10480	47.9	3.4	51.3	68.2	-16.9	Peak	Vertical
7	15720	36.0	7.4	43.4	54	-10.6	Average	Vertical
8	15720	46.6	7.4	54.0	74	-20.1	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 3_IEEE 802.11a_Channel 52								
1	10520	36.2	3.4	39.5	54	-14.5	Average	Horizontal
2	10520	45.8	3.4	49.1	68.2	-19.1	Peak	Horizontal
3	15780	36.3	7.4	43.6	54	-10.4	Average	Horizontal
4	15780	45.1	7.4	52.4	74	-21.6	Peak	Horizontal
5	10520	37.7	3.4	41.0	54	-13.0	Average	Vertical
6	10520	46.7	3.4	50.0	68.2	-18.2	Peak	Vertical
7	15780	35.9	7.4	43.3	54	-10.7	Average	Vertical
8	15780	45.5	7.4	52.8	74	-21.2	Peak	Vertical
SISO_ Ant. 3_IEEE 802.11a_Channel 56								
1	10600	35.5	3.2	38.7	54	-15.4	Average	Horizontal
2	10600	45.2	3.2	48.4	74	-25.6	Peak	Horizontal
3	15900	35.1	7.2	42.4	54	-11.6	Average	Horizontal
4	15900	44.2	7.2	51.5	74	-22.5	Peak	Horizontal
5	10600	35.6	3.2	38.8	54	-15.2	Average	Vertical
6	10600	45.4	3.2	48.6	74	-25.4	Peak	Vertical
7	15900	35.7	7.2	43.0	54	-11.1	Average	Vertical
8	15900	44.9	7.2	52.1	74	-21.9	Peak	Vertical
SISO_ Ant. 3_IEEE 802.11a_Channel 64								
1	10640	35.0	3.1	38.1	54	-15.9	Average	Horizontal
2	10640	43.8	3.1	46.9	74	-27.1	Peak	Horizontal
3	15960	34.4	7.2	41.6	54	-12.4	Average	Horizontal
4	15960	44.4	7.2	51.6	74	-22.4	Peak	Horizontal
5	10640	35.8	3.1	38.9	54	-15.1	Average	Vertical
6	10640	45.0	3.1	48.1	74	-25.9	Peak	Vertical
7	15960	34.6	7.2	41.8	54	-12.2	Average	Vertical
8	15960	44.4	7.2	51.6	74	-22.4	Peak	Vertical
SISO_ Ant. 3_IEEE 802.11a_Channel 100								
1	11000	37.7	2.4	40.1	54	-13.9	Average	Horizontal
2	11000	46.7	2.4	49.0	74	-25.0	Peak	Horizontal
3	16500	35.9	8.0	43.9	54	-10.2	Average	Horizontal
4	16500	44.7	8.0	52.7	68.2	-15.5	Peak	Horizontal
5	11000	37.6	2.4	40.0	54	-14.0	Average	Vertical
6	11000	46.0	2.4	48.3	74	-25.7	Peak	Vertical
7	16500	36.1	8.0	44.1	54	-9.9	Average	Vertical
8	16500	45.5	8.0	53.5	68.2	-14.7	Peak	Vertical

Radiated Emission Test Data (Above 1GHz):								
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 3_IEEE 802.11a_Channel 116								
1	11160	37.5	2.3	39.8	54	-14.3	Average	Horizontal
2	11160	47.1	2.3	49.3	74	-24.7	Peak	Horizontal
3	16740	35.0	8.3	43.3	54	-10.7	Average	Horizontal
4	16740	43.5	8.3	51.9	68.2	-16.4	Peak	Horizontal
5	11160	39.9	2.3	42.2	54	-11.9	Average	Vertical
6	11160	48.2	2.3	50.4	74	-23.6	Peak	Vertical
7	16740	35.1	8.3	43.4	54	-10.6	Average	Vertical
8	16740	45.3	8.3	53.6	68.2	-14.6	Peak	Vertical
SISO_ Ant. 3_IEEE 802.11a_Channel 140								
1	11400	35.3	2.1	37.4	54	-16.6	Average	Horizontal
2	11400	45.4	2.1	47.5	74	-26.5	Peak	Horizontal
3	17100	37.5	8.8	46.3	54	-7.7	Average	Horizontal
4	17100	46.5	8.8	55.3	68.2	-12.9	Peak	Horizontal
5	11400	37.2	2.1	39.4	54	-14.7	Average	Vertical
6	11400	45.5	2.1	47.6	74	-26.4	Peak	Vertical
7	17100	35.8	8.8	44.6	54	-9.5	Average	Vertical
8	17100	45.5	8.8	54.3	68.2	-13.9	Peak	Vertical
SISO_ Ant. 3_IEEE 802.11a_Channel 149								
1	11490	35.6	2.1	37.7	54	-16.3	Average	Horizontal
2	11490	44.8	2.1	46.8	74	-27.2	Peak	Horizontal
3	17235	37.7	9.0	46.7	54	-7.3	Average	Horizontal
4	17235	46.3	9.0	55.3	68.2	-13.0	Peak	Horizontal
5	11490	35.8	2.1	37.8	54	-16.2	Average	Vertical
6	11490	45.2	2.1	47.3	74	-26.7	Peak	Vertical
7	17235	35.2	9.0	44.2	54	-9.8	Average	Vertical
8	17235	44.3	9.0	53.3	68.2	-14.9	Peak	Vertical
SISO_ Ant. 3_IEEE 802.11a_Channel 157								
1	11570	36.6	2.1	38.6	54	-15.4	Average	Horizontal
2	11570	44.7	2.1	46.8	74	-27.3	Peak	Horizontal
3	17355	37.2	9.2	46.4	54	-7.6	Average	Horizontal
4	17355	49.1	9.2	58.3	68.2	-9.9	Peak	Horizontal
5	11570	35.8	2.1	37.9	54	-16.1	Average	Vertical
6	11570	44.9	2.1	46.9	74	-27.1	Peak	Vertical
7	17355	34.3	9.2	43.5	54	-10.5	Average	Vertical
8	17355	45.2	9.2	54.3	68.2	-13.9	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
SISO_ Ant. 3_IEEE 802.11a_Channel 165								
1	11650	36.2	2.1	38.3	54	-15.8	Average	Horizontal
2	11650	45.3	2.1	47.4	74	-26.6	Peak	Horizontal
3	17475	34.0	9.3	43.3	54	-10.7	Average	Horizontal
4	17475	44.0	9.3	53.3	68.2	-14.9	Peak	Horizontal
5	11650	35.7	2.1	37.8	54	-16.2	Average	Vertical
6	11650	44.8	2.1	46.9	74	-27.2	Peak	Vertical
7	17475	33.7	9.3	43.0	54	-11.0	Average	Vertical
8	17475	42.4	9.3	51.7	68.2	-16.5	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 36								
1	10360	38.1	3.4	41.5	54	-12.5	Average	Horizontal
2	10360	46.2	3.4	49.6	68.2	-18.6	Peak	Horizontal
3	15540	34.6	7.6	42.1	54	-11.9	Average	Horizontal
4	15540	44.3	7.6	51.9	74	-22.1	Peak	Horizontal
5	10360	40.1	3.4	43.5	54	-10.5	Average	Vertical
6	10360	48.8	3.4	52.1	68.2	-16.1	Peak	Vertical
7	15540	34.6	7.6	42.2	54	-11.8	Average	Vertical
8	15540	43.5	7.6	51.0	74	-23.0	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 40								
1	10440	37.6	3.4	41.0	54	-13.0	Average	Horizontal
2	10440	47.6	3.4	50.9	68.2	-17.3	Peak	Horizontal
3	15660	34.9	7.5	42.4	54	-11.6	Average	Horizontal
4	15660	45.3	7.5	52.8	74	-21.2	Peak	Horizontal
5	10440	40.0	3.4	43.4	54	-10.7	Average	Vertical
6	10440	50.6	3.4	54.0	68.2	-14.2	Peak	Vertical
7	15660	35.0	7.5	42.5	54	-11.5	Average	Vertical
8	15660	44.0	7.5	51.4	74	-22.6	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 48								
1	10480	37.0	3.4	40.4	54	-13.6	Average	Horizontal
2	10480	46.2	3.4	49.5	68.2	-18.7	Peak	Horizontal
3	15720	36.4	7.4	43.8	54	-10.2	Average	Horizontal
4	15720	45.8	7.4	53.2	74	-20.8	Peak	Horizontal
5	10480	39.9	3.4	43.3	54	-10.7	Average	Vertical
6	10480	49.7	3.4	53.1	68.2	-15.1	Peak	Vertical
7	15720	35.8	7.4	43.2	54	-10.8	Average	Vertical
8	15720	44.7	7.4	52.1	74	-21.9	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 52								
1	10520	36.0	3.4	39.3	54	-14.7	Average	Horizontal
2	10520	44.9	3.4	48.3	68.2	-20.0	Peak	Horizontal
3	15780	35.5	7.4	42.8	54	-11.2	Average	Horizontal
4	15780	46.0	7.4	53.3	74	-20.7	Peak	Horizontal
5	10520	35.7	3.4	39.1	54	-15.0	Average	Vertical
6	10520	46.1	3.4	49.5	68.2	-18.7	Peak	Vertical
7	15780	35.8	7.4	43.1	54	-10.9	Average	Vertical
8	15780	44.2	7.4	51.6	74	-22.4	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 56								
1	10600	35.5	3.2	38.7	54	-15.3	Average	Horizontal
2	10600	44.3	3.2	47.5	74	-26.5	Peak	Horizontal
3	15900	36.1	7.2	43.4	54	-10.6	Average	Horizontal
4	15900	44.6	7.2	51.8	74	-22.2	Peak	Horizontal
5	10600	35.8	3.2	39.0	54	-15.0	Average	Vertical
6	10600	45.8	3.2	49.0	74	-25.0	Peak	Vertical
7	15900	35.4	7.2	42.7	54	-11.3	Average	Vertical
8	15900	45.3	7.2	52.5	74	-21.5	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 64								
1	10640	35.1	3.1	38.2	54	-15.8	Average	Horizontal
2	10640	44.0	3.1	47.1	74	-26.9	Peak	Horizontal
3	15960	34.6	7.2	41.7	54	-12.3	Average	Horizontal
4	15960	44.2	7.2	51.4	74	-22.6	Peak	Horizontal
5	10640	35.3	3.1	38.4	54	-15.6	Average	Vertical
6	10640	44.5	3.1	47.6	74	-26.4	Peak	Vertical
7	15960	34.3	7.2	41.5	54	-12.5	Average	Vertical
8	15960	43.9	7.2	51.1	74	-22.9	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 100								
1	11000	36.7	2.4	39.1	54	-14.9	Average	Horizontal
2	11000	46.1	2.4	48.5	74	-25.5	Peak	Horizontal
3	16500	36.0	8.0	44.0	54	-10.0	Average	Horizontal
4	16500	44.9	8.0	52.9	68.2	-15.3	Peak	Horizontal
5	11000	37.8	2.4	40.2	54	-13.9	Average	Vertical
6	11000	45.9	2.4	48.3	74	-25.7	Peak	Vertical
7	16500	36.0	8.0	44.0	54	-10.0	Average	Vertical
8	16500	45.2	8.0	53.2	68.2	-15.0	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 116								
1	11160	37.8	2.3	40.0	54	-14.0	Average	Horizontal
2	11160	47.6	2.3	49.9	74	-24.1	Peak	Horizontal
3	16740	34.6	8.3	42.9	54	-11.1	Average	Horizontal
4	16740	44.2	8.3	52.5	68.2	-15.7	Peak	Horizontal
5	11160	38.1	2.3	40.3	54	-13.7	Average	Vertical
6	11160	48.3	2.3	50.5	74	-23.5	Peak	Vertical
7	16740	35.1	8.3	43.4	54	-10.6	Average	Vertical
8	16740	44.7	8.3	53.0	68.2	-15.2	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 140								
1	11400	36.1	2.1	38.2	54	-15.8	Average	Horizontal
2	11400	45.3	2.1	47.4	74	-26.6	Peak	Horizontal
3	17100	35.9	8.8	44.7	54	-9.3	Average	Horizontal
4	17100	44.6	8.8	53.4	68.2	-14.8	Peak	Horizontal
5	11400	35.9	2.1	38.0	54	-16.0	Average	Vertical
6	11400	45.4	2.1	47.5	74	-26.5	Peak	Vertical
7	17100	35.4	8.8	44.2	54	-9.8	Average	Vertical
8	17100	44.1	8.8	52.9	68.2	-15.3	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 149								
1	11490	35.5	2.1	37.5	54	-16.5	Average	Horizontal
2	11490	44.6	2.1	46.6	74	-27.4	Peak	Horizontal
3	17235	35.4	9.0	44.4	54	-9.6	Average	Horizontal
4	17235	44.1	9.0	53.1	68.2	-15.1	Peak	Horizontal
5	11490	35.5	2.1	37.5	54	-16.5	Average	Vertical
6	11490	45.3	2.1	47.3	74	-26.7	Peak	Vertical
7	17235	35.3	9.0	44.3	54	-9.7	Average	Vertical
8	17235	44.0	9.0	53.0	68.2	-15.2	Peak	Vertical

Radiated Emission Test Data (Above 1GHz):								
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 157								
1	11570	35.4	2.1	37.5	54	-16.5	Average	Horizontal
2	11570	45.7	2.1	47.7	74	-26.3	Peak	Horizontal
3	17355	38.6	9.2	47.7	54	-6.3	Average	Horizontal
4	17355	48.3	9.2	57.4	68.2	-10.8	Peak	Horizontal
5	11570	36.2	2.1	38.3	54	-15.7	Average	Vertical
6	11570	44.7	2.1	46.7	74	-27.3	Peak	Vertical
7	17355	35.4	9.2	44.5	54	-9.5	Average	Vertical
8	17355	45.0	9.2	54.2	68.2	-14.0	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_Channel 165								
1	11650	35.8	2.1	37.9	54	-16.1	Average	Horizontal
2	11650	45.3	2.1	47.4	74	-26.6	Peak	Horizontal
3	17475	35.5	9.3	44.8	54	-9.2	Average	Horizontal
4	17475	43.6	9.3	53.0	68.2	-15.3	Peak	Horizontal
5	11650	36.2	2.1	38.3	54	-15.8	Average	Vertical
6	11650	45.4	2.1	47.5	74	-26.5	Peak	Vertical
7	17475	34.2	9.3	43.5	54	-10.5	Average	Vertical
8	17475	43.1	9.3	52.4	68.2	-15.8	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40_Channel 38								
1	10380	42.5	3.4	45.9	54	-8.1	Average	Horizontal
2	10380	51.3	3.4	54.6	68.2	-13.6	Peak	Horizontal
3	15570	34.3	7.5	41.8	54	-12.2	Average	Horizontal
4	15570	43.6	7.5	51.2	74	-22.8	Peak	Horizontal
5	10380	46.7	3.4	50.1	54	-4.0	Average	Vertical
6	10380	54.5	3.4	57.8	68.2	-10.4	Peak	Vertical
7	15570	34.0	7.5	41.5	54	-12.5	Average	Vertical
8	15570	43.2	7.5	50.8	74	-23.2	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40_Channel 46								
1	10460	41.6	3.4	45.0	54	-9.0	Average	Horizontal
2	10460	49.5	3.4	52.9	68.2	-15.3	Peak	Horizontal
3	15690	36.1	7.4	43.6	54	-10.5	Average	Horizontal
4	15690	47.0	7.4	54.4	74	-19.6	Peak	Horizontal
5	10460	47.0	3.4	50.4	54	-3.6	Average	Vertical
6	10460	56.4	3.4	59.8	68.2	-8.4	Peak	Vertical
7	15690	36.0	7.4	43.4	54	-10.6	Average	Vertical
8	15690	45.2	7.4	52.6	74	-21.4	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40_Channel 54								
1	10540	37.2	3.3	40.5	54	-13.5	Average	Horizontal
2	10540	47.3	3.3	50.6	68.2	-17.6	Peak	Horizontal
3	15810	35.5	7.3	42.8	54	-11.2	Average	Horizontal
4	15810	45.5	7.3	52.9	74	-21.1	Peak	Horizontal
5	10540	40.2	3.3	43.5	54	-10.5	Average	Vertical
6	10540	49.9	3.3	53.2	68.2	-15.0	Peak	Vertical
7	15810	35.7	7.3	43.1	54	-10.9	Average	Vertical
8	15810	44.0	7.3	51.4	74	-22.6	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40_Channel 62								
1	10620	36.5	3.1	39.7	54	-14.3	Average	Horizontal
2	10620	44.9	3.1	48.1	74	-25.9	Peak	Horizontal
3	15930	35.0	7.2	42.3	54	-11.8	Average	Horizontal
4	15930	43.5	7.2	50.7	74	-23.3	Peak	Horizontal
5	10620	38.4	3.1	41.6	54	-12.4	Average	Vertical
6	10620	48.1	3.1	51.2	74	-22.8	Peak	Vertical
7	15930	34.8	7.2	42.0	54	-12.0	Average	Vertical
8	15930	44.4	7.2	51.6	74	-22.4	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40_Channel 102								
1	11020	37.3	2.4	39.6	54	-14.4	Average	Horizontal
2	11020	45.8	2.4	48.2	74	-25.8	Peak	Horizontal
3	16530	35.5	8.0	43.5	54	-10.5	Average	Horizontal
4	16530	44.9	8.0	52.9	68.2	-15.3	Peak	Horizontal
5	11020	39.0	2.4	41.4	54	-12.6	Average	Vertical
6	11020	49.4	2.4	51.7	74	-22.3	Peak	Vertical
7	16530	35.5	8.0	43.6	54	-10.4	Average	Vertical
8	16530	44.8	8.0	52.9	68.2	-15.3	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40_Channel 110								
1	11100	37.4	2.3	39.7	54	-14.3	Average	Horizontal
2	11100	45.8	2.3	48.1	74	-25.9	Peak	Horizontal
3	16650	34.7	8.2	42.9	54	-11.1	Average	Horizontal
4	16650	44.2	8.2	52.4	68.2	-15.9	Peak	Horizontal
5	11100	40.3	2.3	42.6	54	-11.4	Average	Vertical
6	11100	47.9	2.3	50.2	74	-23.8	Peak	Vertical
7	16650	34.7	8.2	42.9	54	-11.1	Average	Vertical
8	16650	44.9	8.2	53.1	68.2	-15.1	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40_Channel 134								
1	11340	35.2	2.2	37.3	54	-16.7	Average	Horizontal
2	11340	44.3	2.2	46.5	74	-27.5	Peak	Horizontal
3	17010	34.0	8.7	42.7	54	-11.3	Average	Horizontal
4	17010	43.1	8.7	51.8	68.2	-16.4	Peak	Horizontal
5	11340	36.5	2.2	38.6	54	-15.4	Average	Vertical
6	11340	45.3	2.2	47.4	74	-26.6	Peak	Vertical
7	17010	33.6	8.7	42.3	54	-11.7	Average	Vertical
8	17010	43.9	8.7	52.6	68.2	-15.6	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40 _Channel 151								
1	11510	35.6	2.1	37.6	54	-16.4	Average	Horizontal
2	11510	44.6	2.1	46.7	74	-27.3	Peak	Horizontal
3	17265	35.2	9.0	44.2	54	-9.8	Average	Horizontal
4	17265	43.6	9.0	52.6	68.2	-15.6	Peak	Horizontal
5	11510	36.4	2.1	38.5	54	-15.5	Average	Vertical
6	11510	45.1	2.1	47.2	74	-26.8	Peak	Vertical
7	17265	34.4	9.0	43.4	54	-10.6	Average	Vertical
8	17265	43.5	9.0	52.5	68.2	-15.7	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40_Channel 159								
1	11590	36.2	2.1	38.3	54	-15.7	Average	Horizontal
2	11590	45.7	2.1	47.7	74	-26.3	Peak	Horizontal
3	17385	47.4	9.2	56.6	54	2.6	Average	Horizontal
4	17385	56.2	9.2	65.4	68.2	-2.8	Peak	Horizontal
5	11590	39.6	2.1	41.6	54	-12.4	Average	Vertical
6	11590	48.2	2.1	50.2	74	-23.8	Peak	Vertical
7	17385	42.2	9.2	51.4	54	-2.6	Average	Vertical
8	17385	50.6	9.2	59.8	68.2	-8.4	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_IEEE 802.11ac-VHT80_Channel 42								
1	10420	37.1	3.4	40.5	54	-13.5	Average	Horizontal
2	10420	45.9	3.4	49.3	68.2	-18.9	Peak	Horizontal
3	15630	34.6	7.5	42.0	54	-12.0	Average	Horizontal
4	15630	43.7	7.5	51.2	74	-22.8	Peak	Horizontal
5	10420	39.8	3.4	43.2	54	-10.8	Average	Vertical
6	10420	47.2	3.4	50.6	68.2	-17.6	Peak	Vertical
7	15630	35.0	7.5	42.5	54	-11.5	Average	Vertical
8	15630	43.9	7.5	51.3	74	-22.7	Peak	Vertical
MIMO_ Ant. 1+2_IEEE 802.11ac-VHT80_Channel 58								
1	10580	35.5	3.2	38.7	54	-15.3	Average	Horizontal
2	10580	44.9	3.2	48.1	68.2	-20.1	Peak	Horizontal
3	15870	35.4	7.3	42.7	54	-11.3	Average	Horizontal
4	15870	44.9	7.3	52.2	74	-21.8	Peak	Horizontal
5	10580	37.2	3.2	40.4	54	-13.6	Average	Vertical
6	10580	47.0	3.2	50.2	68.2	-18.0	Peak	Vertical
7	15870	35.5	7.3	42.7	54	-11.3	Average	Vertical
8	15870	45.2	7.3	52.5	74	-21.5	Peak	Vertical
MIMO_ Ant. 1+2_IEEE 802.11ac-VHT80_Channel 106								
1	11060	37.4	2.3	39.7	54	-14.3	Average	Horizontal
2	11060	45.9	2.3	48.2	74	-25.8	Peak	Horizontal
3	16590	35.0	8.1	43.1	54	-10.9	Average	Horizontal
4	16590	43.6	8.1	51.7	68.2	-16.5	Peak	Horizontal
5	11060	38.2	2.3	40.6	54	-13.4	Average	Vertical
6	11060	47.9	2.3	50.3	74	-23.8	Peak	Vertical
7	16590	35.4	8.1	43.5	54	-10.5	Average	Vertical
8	16590	44.5	8.1	52.6	68.2	-15.6	Peak	Vertical
MIMO_ Ant. 1+2_IEEE 802.11ac-VHT80_Channel 122								
1	11220	36.1	2.2	38.3	54	-15.7	Average	Horizontal
2	11220	45.4	2.2	47.6	74	-26.4	Peak	Horizontal
3	16830	33.9	8.4	42.4	54	-11.6	Average	Horizontal
4	16830	43.6	8.4	52.0	68.2	-16.2	Peak	Horizontal
5	11220	37.4	2.2	39.6	54	-14.4	Average	Vertical
6	11220	46.2	2.2	48.5	74	-25.6	Peak	Vertical
7	16830	34.0	8.4	42.4	54	-11.6	Average	Vertical
8	16830	43.6	8.4	52.0	68.2	-16.2	Peak	Vertical

Radiated Emission Test Data (Above 1GHz):								
No.	**Frequency (MHz)**	**Reading (dBμV)**	**Correction factor (dB/m)**	**Result (dBμV/m)**	**Limit (dBμV/m)**	**Margin (dB)**	**Detector**	**Antenna Polaxis**
MIMO_ Ant. 1+2_IEEE 802.11ac-VHT80_Channel 155								
1	11550	35.5	2.1	37.6	54	-16.4	Average	Horizontal
2	11550	44.7	2.1	46.8	74	-27.2	Peak	Horizontal
3	17325	37.8	9.1	46.9	54	-7.1	Average	Horizontal
4	17325	54.1	9.1	63.2	68.2	-5.0	Peak	Horizontal
5	11550	38.1	2.1	40.1	54	-13.9	Average	Vertical
6	11550	45.8	2.1	47.9	74	-26.1	Peak	Vertical
7	17325	34.4	9.1	43.6	54	-10.5	Average	Vertical
8	17325	44.0	9.1	53.1	68.2	-15.1	Peak	Vertical
MIMO_ Ant. 1+2_IEEE 802.11ac-VHT160_Channel 50								
1	10500	36.0	3.4	39.4	54	-14.6	Average	Horizontal
2	10500	45.1	3.4	48.5	68.2	-19.7	Peak	Horizontal
3	15750	34.9	7.4	42.3	54	-11.7	Average	Horizontal
4	15750	44.8	7.4	52.2	74	-21.8	Peak	Horizontal
5	10500	36.7	3.4	40.1	54	-13.9	Average	Vertical
6	10500	45.6	3.4	49.0	68.2	-19.3	Peak	Vertical
7	15750	35.7	7.4	43.1	54	-10.9	Average	Vertical
8	15750	45.7	7.4	53.1	74	-20.9	Peak	Vertical
MIMO_ Ant. 1+2_IEEE 802.11ac-VHT160_Channel 114								
1	11140	37.2	2.3	39.5	54	-14.5	Average	Horizontal
2	11140	47.2	2.3	49.5	74	-24.5	Peak	Horizontal
3	16710	34.9	8.3	43.2	54	-10.8	Average	Horizontal
4	16710	44.1	8.3	52.4	68.2	-15.8	Peak	Horizontal
5	11140	37.1	2.3	39.3	54	-14.7	Average	Vertical
6	11140	47.9	2.3	50.2	74	-23.8	Peak	Vertical
7	16710	34.7	8.3	43.0	54	-11.0	Average	Vertical
8	16710	43.6	8.3	51.8	68.2	-16.4	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 36								
1	10360	38.8	3.4	42.2	54	-11.8	Average	Horizontal
2	10360	47.1	3.4	50.5	68.2	-17.7	Peak	Horizontal
3	15540	34.1	7.6	41.7	54	-12.4	Average	Horizontal
4	15540	43.8	7.6	51.4	74	-22.6	Peak	Horizontal
5	10360	43.8	3.4	47.1	54	-6.9	Average	Vertical
6	10360	51.0	3.4	54.4	68.2	-13.8	Peak	Vertical
7	15540	34.1	7.6	41.6	54	-12.4	Average	Vertical
8	15540	44.4	7.6	51.9	74	-22.1	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 40								
1	10440	40.1	3.4	43.4	54	-10.6	Average	Horizontal
2	10440	48.7	3.4	52.1	68.2	-16.2	Peak	Horizontal
3	15660	34.7	7.5	42.1	54	-11.9	Average	Horizontal
4	15660	45.5	7.5	52.9	74	-21.1	Peak	Horizontal
5	10440	45.2	3.4	48.6	54	-5.5	Average	Vertical
6	10440	53.5	3.4	56.9	68.2	-11.3	Peak	Vertical
7	15660	34.7	7.5	42.1	54	-11.9	Average	Vertical
8	15660	44.4	7.5	51.8	74	-22.2	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 48								
1	10480	40.1	3.4	43.5	54	-10.5	Average	Horizontal
2	10480	47.9	3.4	51.3	68.2	-16.9	Peak	Horizontal
3	15720	35.5	7.4	42.9	54	-11.1	Average	Horizontal
4	15720	45.3	7.4	52.7	74	-21.3	Peak	Horizontal
5	10480	46.2	3.4	49.6	54	-4.4	Average	Vertical
6	10480	56.5	3.4	59.8	68.2	-8.4	Peak	Vertical
7	15720	35.8	7.4	43.2	54	-10.8	Average	Vertical
8	15720	44.4	7.4	51.8	74	-22.2	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 52								
1	10520	38.3	3.4	41.6	54	-12.4	Average	Horizontal
2	10520	47.2	3.4	50.5	68.2	-17.7	Peak	Horizontal
3	15780	36.4	7.4	43.8	54	-10.3	Average	Horizontal
4	15780	46.2	7.4	53.6	74	-20.4	Peak	Horizontal
5	10520	44.1	3.4	47.4	54	-6.6	Average	Vertical
6	10520	52.5	3.4	55.9	68.2	-12.3	Peak	Vertical
7	15780	36.6	7.4	43.9	54	-10.1	Average	Vertical
8	15780	45.2	7.4	52.6	74	-21.4	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 56								
1	10600	38.5	3.2	41.7	54	-12.3	Average	Horizontal
2	10600	46.7	3.2	49.9	74	-24.1	Peak	Horizontal
3	15900	35.3	7.2	42.5	54	-11.5	Average	Horizontal
4	15900	44.6	7.2	51.9	74	-22.1	Peak	Horizontal
5	10600	41.5	3.2	44.6	54	-9.4	Average	Vertical
6	10600	49.9	3.2	53.0	74	-21.0	Peak	Vertical
7	15900	35.3	7.2	42.5	54	-11.5	Average	Vertical
8	15900	44.5	7.2	51.7	74	-22.3	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 64								
1	10640	36.3	3.1	39.4	54	-14.6	Average	Horizontal
2	10640	45.0	3.1	48.1	74	-26.0	Peak	Horizontal
3	15960	34.4	7.2	41.6	54	-12.4	Average	Horizontal
4	15960	43.3	7.2	50.5	74	-23.5	Peak	Horizontal
5	10640	40.7	3.1	43.8	54	-10.2	Average	Vertical
6	10640	48.8	3.1	51.9	74	-22.1	Peak	Vertical
7	15960	34.0	7.2	41.2	54	-12.8	Average	Vertical
8	15960	42.9	7.2	50.1	74	-23.9	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 100								
1	11000	37.3	2.4	39.7	54	-14.3	Average	Horizontal
2	11000	45.9	2.4	48.3	74	-25.8	Peak	Horizontal
3	16500	35.4	8.0	43.4	54	-10.6	Average	Horizontal
4	16500	44.5	8.0	52.5	68.2	-15.7	Peak	Horizontal
5	11000	41.0	2.4	43.3	54	-10.7	Average	Vertical
6	11000	50.3	2.4	52.7	74	-21.3	Peak	Vertical
7	16500	35.2	8.0	43.2	54	-10.8	Average	Vertical
8	16500	44.2	8.0	52.2	68.2	-16.1	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 116								
1	11160	37.9	2.3	40.1	54	-13.9	Average	Horizontal
2	11160	47.1	2.3	49.3	74	-24.7	Peak	Horizontal
3	16740	33.9	8.3	42.2	54	-11.8	Average	Horizontal
4	16740	43.5	8.3	51.9	68.2	-16.4	Peak	Horizontal
5	11160	41.9	2.3	44.1	54	-9.9	Average	Vertical
6	11160	51.2	2.3	53.4	74	-20.6	Peak	Vertical
7	16740	34.7	8.3	43.0	54	-11.0	Average	Vertical
8	16740	44.2	8.3	52.5	68.2	-15.7	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 140								
1	11400	35.8	2.1	37.9	54	-16.1	Average	Horizontal
2	11400	45.3	2.1	47.4	74	-26.6	Peak	Horizontal
3	17100	35.0	8.8	43.8	54	-10.2	Average	Horizontal
4	17100	46.0	8.8	54.8	68.2	-13.4	Peak	Horizontal
5	11400	38.4	2.1	40.5	54	-13.5	Average	Vertical
6	11400	46.6	2.1	48.7	74	-25.3	Peak	Vertical
7	17100	35.7	8.8	44.5	54	-9.5	Average	Vertical
8	17100	44.5	8.8	53.2	68.2	-15.0	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 149								
1	11490	37.0	2.1	39.1	54	-14.9	Average	Horizontal
2	11490	45.9	2.1	48.0	74	-26.1	Peak	Horizontal
3	17235	39.0	9.0	47.9	54	-6.1	Average	Horizontal
4	17235	48.7	9.0	57.6	68.2	-10.6	Peak	Horizontal
5	11490	40.8	2.1	42.9	54	-11.2	Average	Vertical
6	11490	50.5	2.1	52.6	74	-21.4	Peak	Vertical
7	17235	35.1	9.0	44.1	54	-9.9	Average	Vertical
8	17235	45.6	9.0	54.6	68.2	-13.6	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 157								
1	11570	35.8	2.1	37.8	54	-16.2	Average	Horizontal
2	11570	45.5	2.1	47.5	74	-26.5	Peak	Horizontal
3	17355	35.1	9.2	44.3	54	-9.7	Average	Horizontal
4	17355	45.4	9.2	54.5	68.2	-13.7	Peak	Horizontal
5	11570	38.9	2.1	41.0	54	-13.0	Average	Vertical
6	11570	48.4	2.1	50.4	74	-23.6	Peak	Vertical
7	17355	33.0	9.2	42.1	54	-11.9	Average	Vertical
8	17355	41.9	9.2	51.1	68.2	-17.1	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE20_Channel 165								
1	11650	36.6	2.1	38.7	54	-15.3	Average	Horizontal
2	11650	46.1	2.1	48.2	74	-25.8	Peak	Horizontal
3	17475	35.1	9.3	44.4	54	-9.6	Average	Horizontal
4	17475	45.5	9.3	54.8	68.2	-13.4	Peak	Horizontal
5	11650	40.0	2.1	42.1	54	-11.9	Average	Vertical
6	11650	48.5	2.1	50.6	74	-23.4	Peak	Vertical
7	17475	33.0	9.3	42.3	54	-11.7	Average	Vertical
8	17475	42.0	9.3	51.3	68.2	-16.9	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE40_Channel 38								
1	10380	38.9	3.4	42.3	54	-11.7	Average	Horizontal
2	10380	47.4	3.4	50.8	68.2	-17.4	Peak	Horizontal
3	15570	34.5	7.5	42.1	54	-11.9	Average	Horizontal
4	15570	43.9	7.5	51.5	74	-22.5	Peak	Horizontal
5	10380	42.8	3.4	46.1	54	-7.9	Average	Vertical
6	10380	53.2	3.4	56.6	68.2	-11.6	Peak	Vertical
7	15570	33.4	7.5	41.0	54	-13.0	Average	Vertical
8	15570	42.7	7.5	50.3	74	-23.7	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE40_Channel 46								
1	10460	37.8	3.4	41.2	54	-12.8	Average	Horizontal
2	10460	46.7	3.4	50.1	68.2	-18.1	Peak	Horizontal
3	15690	34.4	7.4	41.8	54	-12.2	Average	Horizontal
4	15690	42.7	7.4	50.1	74	-23.9	Peak	Horizontal
5	10460	43.8	3.4	47.2	54	-6.9	Average	Vertical
6	10460	52.0	3.4	55.4	68.2	-12.8	Peak	Vertical
7	15690	34.1	7.4	41.5	54	-12.5	Average	Vertical
8	15690	43.0	7.4	50.4	74	-23.6	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE40_Channel 54								
1	10540	37.1	3.3	40.4	54	-13.6	Average	Horizontal
2	10540	46.3	3.3	49.6	68.2	-18.6	Peak	Horizontal
3	15810	34.2	7.3	41.6	54	-12.4	Average	Horizontal
4	15810	43.9	7.3	51.3	74	-22.8	Peak	Horizontal
5	10540	41.5	3.3	44.8	54	-9.2	Average	Vertical
6	10540	49.8	3.3	53.1	68.2	-15.1	Peak	Vertical
7	15810	34.4	7.3	41.7	54	-12.3	Average	Vertical
8	15810	44.9	7.3	52.2	74	-21.8	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE40_Channel 62								
1	10620	36.2	3.1	39.4	54	-14.6	Average	Horizontal
2	10620	45.7	3.1	48.8	74	-25.2	Peak	Horizontal
3	15930	33.9	7.2	41.1	54	-12.9	Average	Horizontal
4	15930	43.0	7.2	50.2	74	-23.8	Peak	Horizontal
5	10620	40.1	3.1	43.2	54	-10.8	Average	Vertical
6	10620	48.0	3.1	51.1	74	-22.9	Peak	Vertical
7	15930	34.3	7.2	41.5	54	-12.5	Average	Vertical
8	15930	43.9	7.2	51.1	74	-22.9	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE40_Channel 102								
1	11020	36.6	2.4	38.9	54	-15.1	Average	Horizontal
2	11020	47.0	2.4	49.4	74	-24.6	Peak	Horizontal
3	16530	34.1	8.0	42.2	54	-11.9	Average	Horizontal
4	16530	43.1	8.0	51.1	68.2	-17.1	Peak	Horizontal
5	11020	39.6	2.4	41.9	54	-12.1	Average	Vertical
6	11020	49.6	2.4	52.0	74	-22.0	Peak	Vertical
7	16530	34.6	8.0	42.6	54	-11.4	Average	Vertical
8	16530	43.2	8.0	51.2	68.2	-17.0	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE40_Channel 110								
1	11100	36.9	2.3	39.2	54	-14.9	Average	Horizontal
2	11100	46.1	2.3	48.4	74	-25.6	Peak	Horizontal
3	16650	34.1	8.2	42.3	54	-11.7	Average	Horizontal
4	16650	42.6	8.2	50.8	68.2	-17.4	Peak	Horizontal
5	11100	39.9	2.3	42.2	54	-11.8	Average	Vertical
6	11100	49.4	2.3	51.7	74	-22.3	Peak	Vertical
7	16650	33.9	8.2	42.1	54	-11.9	Average	Vertical
8	16650	44.2	8.2	52.4	68.2	-15.8	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE40_Channel 134								
1	11340	35.3	2.2	37.5	54	-16.5	Average	Horizontal
2	11340	44.5	2.2	46.6	74	-27.4	Peak	Horizontal
3	17010	33.3	8.7	42.0	54	-12.0	Average	Horizontal
4	17010	43.3	8.7	52.0	68.2	-16.2	Peak	Horizontal
5	11340	35.9	2.2	38.0	54	-16.0	Average	Vertical
6	11340	45.6	2.2	47.8	74	-26.2	Peak	Vertical
7	17010	33.6	8.7	42.3	54	-11.7	Average	Vertical
8	17010	42.6	8.7	51.3	68.2	-16.9	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE40_Channel 151								
1	11510	35.2	2.1	37.3	54	-16.8	Average	Horizontal
2	11510	44.0	2.1	46.0	74	-28.0	Peak	Horizontal
3	17265	34.6	9.0	43.6	54	-10.4	Average	Horizontal
4	17265	43.7	9.0	52.7	68.2	-15.5	Peak	Horizontal
5	11510	38.0	2.1	40.0	54	-14.0	Average	Vertical
6	11510	45.8	2.1	47.9	74	-26.1	Peak	Vertical
7	17265	33.9	9.0	42.9	54	-11.1	Average	Vertical
8	17265	43.1	9.0	52.2	68.2	-16.1	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE40_Channel 159								
1	11590	35.4	2.1	37.4	54	-16.6	Average	Horizontal
2	11590	45.2	2.1	47.3	74	-26.7	Peak	Horizontal
3	17385	33.9	9.2	43.1	54	-10.9	Average	Horizontal
4	17385	43.6	9.2	52.8	68.2	-15.4	Peak	Horizontal
5	11590	37.4	2.1	39.5	54	-14.5	Average	Vertical
6	11590	48.3	2.1	50.3	74	-23.7	Peak	Vertical
7	17385	33.4	9.2	42.6	54	-11.4	Average	Vertical
8	17385	43.1	9.2	52.3	68.2	-15.9	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE80_Channel 42								
1	10420	37.9	3.4	41.3	54	-12.7	Average	Horizontal
2	10420	46.2	3.4	49.6	68.2	-18.6	Peak	Horizontal
3	15630	34.0	7.5	41.5	54	-12.5	Average	Horizontal
4	15630	44.1	7.5	51.6	74	-22.4	Peak	Horizontal
5	10420	39.0	3.4	42.4	54	-11.6	Average	Vertical
6	10420	48.0	3.4	51.4	68.2	-16.8	Peak	Vertical
7	15630	33.9	7.5	41.4	54	-12.6	Average	Vertical
8	15630	43.7	7.5	51.1	74	-22.9	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE80_Channel 58								
1	10580	35.5	3.2	38.8	54	-15.2	Average	Horizontal
2	10580	44.1	3.2	47.3	68.2	-20.9	Peak	Horizontal
3	15870	35.2	7.3	42.5	54	-11.5	Average	Horizontal
4	15870	44.2	7.3	51.5	74	-22.5	Peak	Horizontal
5	10580	37.7	3.2	41.0	54	-13.0	Average	Vertical
6	10580	46.7	3.2	49.9	68.2	-18.3	Peak	Vertical
7	15870	34.7	7.3	42.0	54	-12.0	Average	Vertical
8	15870	43.7	7.3	51.0	74	-23.0	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE80_Channel 106								
1	11060	37.4	2.3	39.7	54	-14.3	Average	Horizontal
2	11060	46.0	2.3	48.4	74	-25.7	Peak	Horizontal
3	16590	35.1	8.1	43.2	54	-10.8	Average	Horizontal
4	16590	43.7	8.1	51.8	68.2	-16.4	Peak	Horizontal
5	11060	38.5	2.3	40.8	54	-13.2	Average	Vertical
6	11060	47.5	2.3	49.8	74	-24.2	Peak	Vertical
7	16590	35.2	8.1	43.3	54	-10.7	Average	Vertical
8	16590	44.3	8.1	52.4	68.2	-15.8	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE80_Channel 122								
1	11220	36.2	2.2	38.4	54	-15.6	Average	Horizontal
2	11220	45.4	2.2	47.7	74	-26.4	Peak	Horizontal
3	16830	33.6	8.4	42.0	54	-12.0	Average	Horizontal
4	16830	42.0	8.4	50.4	68.2	-17.8	Peak	Horizontal
5	11220	36.8	2.2	39.0	54	-15.0	Average	Vertical
6	11220	46.8	2.2	49.1	74	-24.9	Peak	Vertical
7	16830	34.0	8.4	42.4	54	-11.6	Average	Vertical
8	16830	43.2	8.4	51.6	68.2	-16.6	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE80_Channel 155								
1	11550	36.0	2.1	38.1	54	-15.9	Average	Horizontal
2	11550	44.5	2.1	46.5	74	-27.5	Peak	Horizontal
3	17325	41.6	9.1	50.7	54	-3.3	Average	Horizontal
4	17325	50.1	9.1	59.3	68.2	-8.9	Peak	Horizontal
5	11550	38.5	2.1	40.5	54	-13.5	Average	Vertical
6	11550	47.1	2.1	49.2	74	-24.8	Peak	Vertical
7	17325	36.7	9.1	45.8	54	-8.2	Average	Vertical
8	17325	46.0	9.1	55.1	68.2	-13.1	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE160_Channel 50								
1	10500	35.9	3.4	39.3	54	-14.8	Average	Horizontal
2	10500	46.3	3.4	49.7	68.2	-18.5	Peak	Horizontal
3	15750	35.2	7.4	42.6	54	-11.4	Average	Horizontal
4	15750	45.1	7.4	52.5	74	-21.5	Peak	Horizontal
5	10500	36.1	3.4	39.5	54	-14.5	Average	Vertical
6	10500	45.3	3.4	48.7	68.2	-19.6	Peak	Vertical
7	15750	35.5	7.4	42.9	54	-11.1	Average	Vertical
8	15750	45.0	7.4	52.3	74	-21.7	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11ax-HE160_Channel 114								
1	11140	37.0	2.3	39.3	54	-14.7	Average	Horizontal
2	11140	45.9	2.3	48.2	74	-25.8	Peak	Horizontal
3	16710	34.4	8.3	42.7	54	-11.3	Average	Horizontal
4	16710	43.7	8.3	52.0	68.2	-16.2	Peak	Horizontal
5	11140	37.4	2.3	39.7	54	-14.3	Average	Vertical
6	11140	46.3	2.3	48.6	74	-25.4	Peak	Vertical
7	16710	34.5	8.3	42.8	54	-11.3	Average	Vertical
8	16710	43.0	8.3	51.2	68.2	-17.0	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 36								
1	10360	46.8	3.4	50.2	54	-3.8	Average	Horizontal
2	10360	55.1	3.4	58.5	68.2	-9.7	Peak	Horizontal
3	15540	37.6	7.6	45.1	54	-8.9	Average	Horizontal
4	15540	48.4	7.6	55.9	74	-18.1	Peak	Horizontal
5	10360	51.8	3.4	55.2	54	1.2	Average	Vertical
6	10360	59.8	3.4	63.2	68.2	-5.1	Peak	Vertical
7	15540	37.0	7.6	44.5	54	-9.5	Average	Vertical
8	15540	46.1	7.6	53.6	74	-20.4	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 40								
1	10440	45.9	3.4	49.3	54	-4.7	Average	Horizontal
2	10440	53.7	3.4	57.1	68.2	-11.1	Peak	Horizontal
3	15660	42.6	7.5	50.0	54	-4.0	Average	Horizontal
4	15660	51.7	7.5	59.2	74	-14.8	Peak	Horizontal
5	10440	51.5	3.4	54.9	54	0.9	Average	Vertical
6	10440	60.2	3.4	63.6	68.2	-4.6	Peak	Vertical
7	15660	38.6	7.5	46.1	54	-7.9	Average	Vertical
8	15660	50.3	7.5	57.8	74	-16.2	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 48								
1	10480	44.4	3.4	47.8	54	-6.2	Average	Horizontal
2	10480	52.5	3.4	55.9	68.2	-12.3	Peak	Horizontal
3	15720	43.7	7.4	51.1	54	-2.9	Average	Horizontal
4	15720	53.5	7.4	60.9	74	-13.1	Peak	Horizontal
5	10480	49.0	3.4	52.4	54	-1.6	Average	Vertical
6	10480	57.2	3.4	60.6	68.2	-7.6	Peak	Vertical
7	15720	40.0	7.4	47.4	54	-6.6	Average	Vertical
8	15720	51.3	7.4	58.7	74	-15.3	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 52								
1	10520	38.8	3.4	42.2	54	-11.8	Average	Horizontal
2	10520	46.4	3.4	49.8	68.2	-18.4	Peak	Horizontal
3	15780	35.6	7.4	42.9	54	-11.1	Average	Horizontal
4	15780	44.8	7.4	52.2	74	-21.8	Peak	Horizontal
5	10520	43.9	3.4	47.2	54	-6.8	Average	Vertical
6	10520	52.4	3.4	55.7	68.2	-12.5	Peak	Vertical
7	15780	35.4	7.4	42.8	54	-11.3	Average	Vertical
8	15780	44.6	7.4	51.9	74	-22.1	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 56								
1	10600	36.9	3.2	40.1	54	-13.9	Average	Horizontal
2	10600	46.6	3.2	49.8	74	-24.2	Peak	Horizontal
3	15900	35.4	7.2	42.6	54	-11.4	Average	Horizontal
4	15900	45.7	7.2	52.9	74	-21.1	Peak	Horizontal
5	10600	40.7	3.2	43.9	54	-10.1	Average	Vertical
6	10600	50.4	3.2	53.6	74	-20.4	Peak	Vertical
7	15900	35.1	7.2	42.4	54	-11.6	Average	Vertical
8	15900	45.5	7.2	52.8	74	-21.2	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 64								
1	10640	38.0	3.1	41.1	54	-12.9	Average	Horizontal
2	10640	44.6	3.1	47.7	74	-26.3	Peak	Horizontal
3	15960	34.1	7.2	41.3	54	-12.7	Average	Horizontal
4	15960	43.9	7.2	51.1	74	-22.9	Peak	Horizontal
5	10640	39.9	3.1	43.0	54	-11.0	Average	Vertical
6	10640	50.2	3.1	53.3	74	-20.7	Peak	Vertical
7	15960	33.9	7.2	41.1	54	-12.9	Average	Vertical
8	15960	43.9	7.2	51.1	74	-22.9	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11ac-VHT20_Channel 100								
1	11000	37.3	2.4	39.7	54	-14.3	Average	Horizontal
2	11000	47.2	2.4	49.6	74	-24.4	Peak	Horizontal
3	16500	36.1	8.0	44.1	54	-9.9	Average	Horizontal
4	16500	44.3	8.0	52.3	68.2	-15.9	Peak	Horizontal
5	11000	40.5	2.4	42.8	54	-11.2	Average	Vertical
6	11000	49.3	2.4	51.7	74	-22.3	Peak	Vertical
7	16500	35.3	8.0	43.3	54	-10.7	Average	Vertical
8	16500	44.7	8.0	52.7	68.2	-15.5	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ac-VHT20_Channel 116								
1	11160	38.5	2.3	40.7	54	-13.3	Average	Horizontal
2	11160	47.4	2.3	49.7	74	-24.4	Peak	Horizontal
3	16740	34.4	8.3	42.7	54	-11.3	Average	Horizontal
4	16740	44.3	8.3	52.6	68.2	-15.6	Peak	Horizontal
5	11160	41.6	2.3	43.8	54	-10.2	Average	Vertical
6	11160	50.1	2.3	52.4	74	-21.6	Peak	Vertical
7	16740	34.2	8.3	42.5	54	-11.5	Average	Vertical
8	16740	42.9	8.3	51.2	68.2	-17.0	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 140								
1	11400	35.4	2.1	37.5	54	-16.5	Average	Horizontal
2	11400	45.8	2.1	47.9	74	-26.1	Peak	Horizontal
3	17100	35.8	8.8	44.5	54	-9.5	Average	Horizontal
4	17100	45.5	8.8	54.3	68.2	-13.9	Peak	Horizontal
5	11400	36.8	2.1	38.9	54	-15.1	Average	Vertical
6	11400	45.9	2.1	48.0	74	-26.0	Peak	Vertical
7	17100	34.8	8.8	43.6	54	-10.4	Average	Vertical
8	17100	45.1	8.8	53.8	68.2	-14.4	Peak	Vertical

Radiated Emission Test Data (Above 1GHz):								
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 149								
1	11490	35.2	2.1	37.3	54	-16.8	Average	Horizontal
2	11490	44.5	2.1	46.5	74	-27.5	Peak	Horizontal
3	17235	35.5	9.0	44.5	54	-9.5	Average	Horizontal
4	17235	43.7	9.0	52.7	68.2	-15.5	Peak	Horizontal
5	11490	36.7	2.1	38.8	54	-15.2	Average	Vertical
6	11490	45.7	2.1	47.8	74	-26.3	Peak	Vertical
7	17235	34.7	9.0	43.7	54	-10.3	Average	Vertical
8	17235	43.3	9.0	52.3	68.2	-15.9	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 157								
1	11570	35.8	2.1	37.8	54	-16.2	Average	Horizontal
2	11570	45.0	2.1	47.0	74	-27.0	Peak	Horizontal
3	17355	36.6	9.2	45.7	54	-8.3	Average	Horizontal
4	17355	46.7	9.2	55.8	68.2	-12.4	Peak	Horizontal
5	11570	37.3	2.1	39.3	54	-14.7	Average	Vertical
6	11570	45.8	2.1	47.9	74	-26.1	Peak	Vertical
7	17355	33.6	9.2	42.8	54	-11.2	Average	Vertical
8	17355	43.9	9.2	53.0	68.2	-15.2	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT20_Channel 165								
1	11650	36.5	2.1	38.6	54	-15.4	Average	Horizontal
2	11650	44.9	2.1	47.0	74	-27.0	Peak	Horizontal
3	17475	41.8	9.3	51.1	54	-2.9	Average	Horizontal
4	17475	48.6	9.3	58.0	68.2	-10.2	Peak	Horizontal
5	11650	39.5	2.1	41.6	54	-12.4	Average	Vertical
6	11650	49.1	2.1	51.2	74	-22.8	Peak	Vertical
7	17475	37.4	9.3	46.7	54	-7.3	Average	Vertical
8	17475	46.2	9.3	55.5	68.2	-12.7	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT40_Channel 38								
1	10380	41.0	3.4	44.3	54	-9.7	Average	Horizontal
2	10380	50.0	3.4	53.4	68.2	-14.8	Peak	Horizontal
3	15570	34.9	7.5	42.4	54	-11.6	Average	Horizontal
4	15570	43.7	7.5	51.2	74	-22.8	Peak	Horizontal
5	10380	45.7	3.4	49.1	54	-4.9	Average	Vertical
6	10380	54.0	3.4	57.4	68.2	-10.8	Peak	Vertical
7	15570	34.4	7.5	41.9	54	-12.1	Average	Vertical
8	15570	45.2	7.5	52.8	74	-21.3	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11n-HT40_Channel 46								
1	10460	41.0	3.4	44.4	54	-9.6	Average	Horizontal
2	10460	48.5	3.4	51.9	68.2	-16.3	Peak	Horizontal
3	15690	36.6	7.4	44.0	54	-10.0	Average	Horizontal
4	15690	46.5	7.4	53.9	74	-20.1	Peak	Horizontal
5	10460	46.7	3.4	50.1	54	-3.9	Average	Vertical
6	10460	56.6	3.4	60.0	68.2	-8.2	Peak	Vertical
7	15690	35.8	7.4	43.2	54	-10.8	Average	Vertical
8	15690	46.3	7.4	53.8	74	-20.3	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT40_Channel 54								
1	10540	37.2	3.3	40.5	54	-13.5	Average	Horizontal
2	10540	46.5	3.3	49.8	68.2	-18.4	Peak	Horizontal
3	15810	35.5	7.3	42.8	54	-11.2	Average	Horizontal
4	15810	45.2	7.3	52.6	74	-21.4	Peak	Horizontal
5	10540	40.8	3.3	44.1	54	-9.9	Average	Vertical
6	10540	50.3	3.3	53.6	68.2	-14.6	Peak	Vertical
7	15810	35.9	7.3	43.3	54	-10.7	Average	Vertical
8	15810	44.2	7.3	51.6	74	-22.5	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT40_Channel 62								
1	10620	36.4	3.1	39.5	54	-14.5	Average	Horizontal
2	10620	45.1	3.1	48.2	74	-25.8	Peak	Horizontal
3	15930	34.4	7.2	41.6	54	-12.4	Average	Horizontal
4	15930	43.6	7.2	50.8	74	-23.2	Peak	Horizontal
5	10620	39.0	3.1	42.1	54	-11.9	Average	Vertical
6	10620	47.8	3.1	51.0	74	-23.0	Peak	Vertical
7	15930	34.2	7.2	41.4	54	-12.6	Average	Vertical
8	15930	44.7	7.2	51.9	74	-22.1	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT40_Channel 102								
1	11020	36.8	2.4	39.2	54	-14.8	Average	Horizontal
2	11020	46.9	2.4	49.2	74	-24.8	Peak	Horizontal
3	16530	35.2	8.0	43.2	54	-10.8	Average	Horizontal
4	16530	44.3	8.0	52.4	68.2	-15.9	Peak	Horizontal
5	11020	39.7	2.4	42.0	54	-12.0	Average	Vertical
6	11020	48.4	2.4	50.7	74	-23.3	Peak	Vertical
7	16530	35.5	8.0	43.6	54	-10.4	Average	Vertical
8	16530	44.9	8.0	53.0	68.2	-15.2	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11n-HT40_Channel 110								
1	11100	36.8	2.3	39.1	54	-14.9	Average	Horizontal
2	11100	46.5	2.3	48.8	74	-25.2	Peak	Horizontal
3	16650	34.8	8.2	43.0	54	-11.0	Average	Horizontal
4	16650	44.1	8.2	52.3	68.2	-15.9	Peak	Horizontal
5	11100	39.6	2.3	41.9	54	-12.1	Average	Vertical
6	11100	48.3	2.3	50.6	74	-23.4	Peak	Vertical
7	16650	34.9	8.2	43.1	54	-10.9	Average	Vertical
8	16650	44.8	8.2	53.0	68.2	-15.2	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT40_Channel 134								
1	11340	35.4	2.2	37.5	54	-16.5	Average	Horizontal
2	11340	44.5	2.2	46.7	74	-27.4	Peak	Horizontal
3	17010	33.9	8.7	42.6	54	-11.5	Average	Horizontal
4	17010	42.8	8.7	51.5	68.2	-16.7	Peak	Horizontal
5	11340	35.8	2.2	37.9	54	-16.1	Average	Vertical
6	11340	45.3	2.2	47.4	74	-26.6	Peak	Vertical
7	17010	33.9	8.7	42.6	54	-11.4	Average	Vertical
8	17010	43.6	8.7	52.3	68.2	-15.9	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT40 _Channel 151								
1	11510	36.3	2.1	38.3	54	-15.7	Average	Horizontal
2	11510	44.9	2.1	46.9	74	-27.1	Peak	Horizontal
3	17265	44.1	9.0	53.1	54	-0.9	Average	Horizontal
4	17265	51.6	9.0	60.6	68.2	-7.6	Peak	Horizontal
5	11510	39.6	2.1	41.7	54	-12.3	Average	Vertical
6	11510	46.8	2.1	48.9	74	-25.1	Peak	Vertical
7	17265	39.5	9.0	48.6	54	-5.4	Average	Vertical
8	17265	50.7	9.0	59.7	68.2	-8.5	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11n-HT40_Channel 159								
1	11590	37.3	2.1	39.4	54	-14.7	Average	Horizontal
2	11590	47.1	2.1	49.2	74	-24.8	Peak	Horizontal
3	17385	47.4	9.2	56.6	54	2.6	Average	Horizontal
4	17385	56.7	9.2	65.9	68.2	-2.3	Peak	Horizontal
5	11590	39.2	2.1	41.3	54	-12.7	Average	Vertical
6	11590	49.6	2.1	51.6	74	-22.4	Peak	Vertical
7	17385	42.7	9.2	51.9	54	-2.1	Average	Vertical
8	17385	50.4	9.2	59.6	68.2	-8.6	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_IEEE 802.11ac-VHT80_Channel 42								
1	10420	37.3	3.4	40.7	54	-13.3	Average	Horizontal
2	10420	45.8	3.4	49.1	68.2	-19.1	Peak	Horizontal
3	15630	34.6	7.5	42.1	54	-11.9	Average	Horizontal
4	15630	43.6	7.5	51.1	74	-22.9	Peak	Horizontal
5	10420	38.7	3.4	42.1	54	-11.9	Average	Vertical
6	10420	48.4	3.4	51.8	68.2	-16.4	Peak	Vertical
7	15630	34.7	7.5	42.1	54	-11.9	Average	Vertical
8	15630	44.7	7.5	52.1	74	-21.9	Peak	Vertical
MIMO_ Ant. 1+3_IEEE 802.11ac-VHT80_Channel 58								
1	10580	35.4	3.2	38.6	54	-15.4	Average	Horizontal
2	10580	44.9	3.2	48.1	68.2	-20.1	Peak	Horizontal
3	15870	36.3	7.3	43.5	54	-10.5	Average	Horizontal
4	15870	45.1	7.3	52.4	74	-21.6	Peak	Horizontal
5	10580	37.2	3.2	40.4	54	-13.6	Average	Vertical
6	10580	45.9	3.2	49.1	68.2	-19.1	Peak	Vertical
7	15870	35.9	7.3	43.1	54	-10.9	Average	Vertical
8	15870	44.9	7.3	52.1	74	-21.9	Peak	Vertical
MIMO_ Ant. 1+3_IEEE 802.11ac-VHT80_Channel 106								
1	11060	37.3	2.3	39.6	54	-14.4	Average	Horizontal
2	11060	46.0	2.3	48.3	74	-25.7	Peak	Horizontal
3	16590	35.7	8.1	43.8	54	-10.2	Average	Horizontal
4	16590	45.7	8.1	53.9	68.2	-14.4	Peak	Horizontal
5	11060	37.9	2.3	40.2	54	-13.8	Average	Vertical
6	11060	47.0	2.3	49.3	74	-24.7	Peak	Vertical
7	16590	35.4	8.1	43.5	54	-10.5	Average	Vertical
8	16590	45.1	8.1	53.2	68.2	-15.0	Peak	Vertical
MIMO_ Ant. 1+3_IEEE 802.11ac-VHT80_Channel 122								
1	11220	36.7	2.2	38.9	54	-15.1	Average	Horizontal
2	11220	46.1	2.2	48.3	74	-25.7	Peak	Horizontal
3	16830	34.6	8.4	43.0	54	-11.0	Average	Horizontal
4	16830	44.6	8.4	53.0	68.2	-15.2	Peak	Horizontal
5	11220	36.8	2.2	39.0	54	-15.0	Average	Vertical
6	11220	47.0	2.2	49.2	74	-24.8	Peak	Vertical
7	16830	33.9	8.4	42.3	54	-11.7	Average	Vertical
8	16830	43.2	8.4	51.7	68.2	-16.6	Peak	Vertical

Radiated Emission Test Data (Above 1GHz):								
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_IEEE 802.11ac-VHT80_Channel 155								
1	11550	35.6	2.1	37.7	54	-16.3	Average	Horizontal
2	11550	44.5	2.1	46.5	74	-27.5	Peak	Horizontal
3	17325	39.5	9.1	48.7	54	-5.4	Average	Horizontal
4	17325	51.7	9.1	60.8	68.2	-7.4	Peak	Horizontal
5	11550	36.5	2.1	38.6	54	-15.4	Average	Vertical
6	11550	45.5	2.1	47.6	74	-26.4	Peak	Vertical
7	17325	36.6	9.1	45.7	54	-8.3	Average	Vertical
8	17325	50.6	9.1	59.7	68.2	-8.5	Peak	Vertical
MIMO_ Ant. 1+3_IEEE 802.11ac-VHT160_Channel 50								
1	10500	35.8	3.4	39.2	54	-14.8	Average	Horizontal
2	10500	45.7	3.4	49.1	68.2	-19.2	Peak	Horizontal
3	15750	35.6	7.4	43.0	54	-11.1	Average	Horizontal
4	15750	45.1	7.4	52.4	74	-21.6	Peak	Horizontal
5	10500	36.5	3.4	39.9	54	-14.1	Average	Vertical
6	10500	46.8	3.4	50.2	68.2	-18.0	Peak	Vertical
7	15750	35.6	7.4	43.0	54	-11.1	Average	Vertical
8	15750	45.8	7.4	53.2	74	-20.9	Peak	Vertical
MIMO_ Ant. 1+3_IEEE 802.11ac-VHT160_Channel 114								
1	11140	36.9	2.3	39.2	54	-14.8	Average	Horizontal
2	11140	45.9	2.3	48.1	74	-25.9	Peak	Horizontal
3	16710	34.7	8.3	43.0	54	-11.0	Average	Horizontal
4	16710	44.2	8.3	52.5	68.2	-15.7	Peak	Horizontal
5	11140	37.1	2.3	39.4	54	-14.6	Average	Vertical
6	11140	46.1	2.3	48.4	74	-25.7	Peak	Vertical
7	16710	34.6	8.3	42.9	54	-11.1	Average	Vertical
8	16710	43.7	8.3	52.0	68.2	-16.2	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 36								
1	10360	38.2	3.4	41.6	54	-12.4	Average	Horizontal
2	10360	47.9	3.4	51.3	68.2	-16.9	Peak	Horizontal
3	15540	34.1	7.6	41.6	54	-12.4	Average	Horizontal
4	15540	44.3	7.6	51.8	74	-22.2	Peak	Horizontal
5	10360	41.9	3.4	45.2	54	-8.8	Average	Vertical
6	10360	51.7	3.4	55.1	68.2	-13.1	Peak	Vertical
7	15540	34.5	7.6	42.1	54	-11.9	Average	Vertical
8	15540	43.6	7.6	51.2	74	-22.9	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 40								
1	10440	40.1	3.4	43.4	54	-10.6	Average	Horizontal
2	10440	48.9	3.4	52.2	68.2	-16.0	Peak	Horizontal
3	15660	35.2	7.5	42.6	54	-11.4	Average	Horizontal
4	15660	44.2	7.5	51.7	74	-22.3	Peak	Horizontal
5	10440	44.5	3.4	47.9	54	-6.1	Average	Vertical
6	10440	53.2	3.4	56.6	68.2	-11.6	Peak	Vertical
7	15660	34.5	7.5	42.0	54	-12.0	Average	Vertical
8	15660	43.9	7.5	51.4	74	-22.6	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 48								
1	10480	39.0	3.4	42.4	54	-11.6	Average	Horizontal
2	10480	47.2	3.4	50.6	68.2	-17.6	Peak	Horizontal
3	15720	35.8	7.4	43.2	54	-10.8	Average	Horizontal
4	15720	45.7	7.4	53.1	74	-20.9	Peak	Horizontal
5	10480	44.8	3.4	48.2	54	-5.8	Average	Vertical
6	10480	52.3	3.4	55.7	68.2	-12.5	Peak	Vertical
7	15720	36.0	7.4	43.4	54	-10.6	Average	Vertical
8	15720	44.5	7.4	51.9	74	-22.1	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 52								
1	10520	38.4	3.4	41.8	54	-12.2	Average	Horizontal
2	10520	46.9	3.4	50.2	68.2	-18.0	Peak	Horizontal
3	15780	36.3	7.4	43.6	54	-10.4	Average	Horizontal
4	15780	45.6	7.4	52.9	74	-21.1	Peak	Horizontal
5	10520	43.4	3.4	46.7	54	-7.3	Average	Vertical
6	10520	53.6	3.4	56.9	68.2	-11.3	Peak	Vertical
7	15780	36.1	7.4	43.4	54	-10.6	Average	Vertical
8	15780	45.0	7.4	52.4	74	-21.6	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 56								
1	10600	36.5	3.2	39.7	54	-14.3	Average	Horizontal
2	10600	46.6	3.2	49.8	74	-24.2	Peak	Horizontal
3	15900	35.3	7.2	42.6	54	-11.4	Average	Horizontal
4	15900	45.8	7.2	53.0	74	-21.0	Peak	Horizontal
5	10600	40.8	3.2	43.9	54	-10.1	Average	Vertical
6	10600	49.7	3.2	52.9	74	-21.2	Peak	Vertical
7	15900	35.7	7.2	43.0	54	-11.0	Average	Vertical
8	15900	45.5	7.2	52.8	74	-21.3	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 64								
1	10640	36.1	3.1	39.2	54	-14.8	Average	Horizontal
2	10640	45.1	3.1	48.2	74	-25.8	Peak	Horizontal
3	15960	34.0	7.2	41.2	54	-12.8	Average	Horizontal
4	15960	43.3	7.2	50.4	74	-23.6	Peak	Horizontal
5	10640	40.5	3.1	43.6	54	-10.4	Average	Vertical
6	10640	49.4	3.1	52.5	74	-21.5	Peak	Vertical
7	15960	34.9	7.2	42.1	54	-11.9	Average	Vertical
8	15960	43.7	7.2	50.9	74	-23.1	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 100								
1	11000	36.7	2.4	39.1	54	-14.9	Average	Horizontal
2	11000	46.5	2.4	48.9	74	-25.2	Peak	Horizontal
3	16500	35.2	8.0	43.2	54	-10.8	Average	Horizontal
4	16500	44.5	8.0	52.5	68.2	-15.7	Peak	Horizontal
5	11000	40.6	2.4	43.0	54	-11.0	Average	Vertical
6	11000	50.3	2.4	52.6	74	-21.4	Peak	Vertical
7	16500	35.0	8.0	43.0	54	-11.0	Average	Vertical
8	16500	44.6	8.0	52.6	68.2	-15.7	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 116								
1	11160	39.1	2.3	41.4	54	-12.6	Average	Horizontal
2	11160	47.3	2.3	49.6	74	-24.4	Peak	Horizontal
3	16740	33.9	8.3	42.2	54	-11.8	Average	Horizontal
4	16740	43.3	8.3	51.7	68.2	-16.6	Peak	Horizontal
5	11160	41.0	2.3	43.2	54	-10.8	Average	Vertical
6	11160	50.3	2.3	52.6	74	-21.4	Peak	Vertical
7	16740	33.4	8.3	41.7	54	-12.3	Average	Vertical
8	16740	42.7	8.3	51.0	68.2	-17.2	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 140								
1	11400	36.2	2.1	38.3	54	-15.7	Average	Horizontal
2	11400	45.0	2.1	47.1	74	-26.9	Peak	Horizontal
3	17100	35.0	8.8	43.8	54	-10.2	Average	Horizontal
4	17100	44.9	8.8	53.7	68.2	-14.6	Peak	Horizontal
5	11400	36.8	2.1	38.9	54	-15.1	Average	Vertical
6	11400	45.8	2.1	48.0	74	-26.1	Peak	Vertical
7	17100	35.1	8.8	43.8	54	-10.2	Average	Vertical
8	17100	44.1	8.8	52.9	68.2	-15.3	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 149								
1	11490	37.8	2.1	39.8	54	-14.2	Average	Horizontal
2	11490	46.1	2.1	48.1	74	-25.9	Peak	Horizontal
3	17235	38.6	9.0	47.5	54	-6.5	Average	Horizontal
4	17235	49.5	9.0	58.5	68.2	-9.7	Peak	Horizontal
5	11490	39.0	2.1	41.0	54	-13.0	Average	Vertical
6	11490	47.4	2.1	49.4	74	-24.6	Peak	Vertical
7	17235	36.5	9.0	45.5	54	-8.5	Average	Vertical
8	17235	45.6	9.0	54.5	68.2	-13.7	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 157								
1	11570	36.0	2.1	38.0	54	-16.0	Average	Horizontal
2	11570	45.8	2.1	47.9	74	-26.1	Peak	Horizontal
3	17355	35.0	9.2	44.1	54	-9.9	Average	Horizontal
4	17355	45.7	9.2	54.9	68.2	-13.3	Peak	Horizontal
5	11570	37.5	2.1	39.5	54	-14.5	Average	Vertical
6	11570	45.8	2.1	47.8	74	-26.2	Peak	Vertical
7	17355	33.1	9.2	42.2	54	-11.8	Average	Vertical
8	17355	42.9	9.2	52.1	68.2	-16.1	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE20_Channel 165								
1	11650	35.9	2.1	38.0	54	-16.0	Average	Horizontal
2	11650	44.9	2.1	47.0	74	-27.0	Peak	Horizontal
3	17475	34.8	9.3	44.1	54	-9.9	Average	Horizontal
4	17475	43.2	9.3	52.5	68.2	-15.7	Peak	Horizontal
5	11650	37.7	2.1	39.8	54	-14.2	Average	Vertical
6	11650	46.2	2.1	48.3	74	-25.8	Peak	Vertical
7	17475	33.3	9.3	42.6	54	-11.4	Average	Vertical
8	17475	42.7	9.3	52.0	68.2	-16.2	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE40_Channel 38								
1	10380	38.2	3.4	41.6	54	-12.4	Average	Horizontal
2	10380	46.3	3.4	49.7	68.2	-18.6	Peak	Horizontal
3	15570	33.5	7.5	41.1	54	-13.0	Average	Horizontal
4	15570	43.0	7.5	50.5	74	-23.5	Peak	Horizontal
5	10380	41.9	3.4	45.3	54	-8.7	Average	Vertical
6	10380	50.8	3.4	54.2	68.2	-14.0	Peak	Vertical
7	15570	33.4	7.5	40.9	54	-13.1	Average	Vertical
8	15570	44.1	7.5	51.6	74	-22.4	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE40_Channel 46								
1	10460	39.0	3.4	42.4	54	-11.6	Average	Horizontal
2	10460	47.1	3.4	50.5	68.2	-17.7	Peak	Horizontal
3	15690	33.8	7.4	41.2	54	-12.8	Average	Horizontal
4	15690	43.3	7.4	50.8	74	-23.2	Peak	Horizontal
5	10460	40.8	3.4	44.2	54	-9.8	Average	Vertical
6	10460	49.0	3.4	52.4	68.2	-15.8	Peak	Vertical
7	15690	34.5	7.4	41.9	54	-12.1	Average	Vertical
8	15690	43.4	7.4	50.8	74	-23.2	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE40_Channel 54								
1	10540	36.5	3.3	39.8	54	-14.2	Average	Horizontal
2	10540	46.4	3.3	49.7	68.2	-18.6	Peak	Horizontal
3	15810	34.7	7.3	42.1	54	-12.0	Average	Horizontal
4	15810	44.4	7.3	51.7	74	-22.3	Peak	Horizontal
5	10540	41.0	3.3	44.3	54	-9.7	Average	Vertical
6	10540	50.4	3.3	53.7	68.2	-14.5	Peak	Vertical
7	15810	34.8	7.3	42.1	54	-11.9	Average	Vertical
8	15810	44.0	7.3	51.4	74	-22.7	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE40_Channel 62								
1	10620	36.2	3.1	39.3	54	-14.7	Average	Horizontal
2	10620	44.2	3.1	47.4	74	-26.6	Peak	Horizontal
3	15930	34.3	7.2	41.5	54	-12.5	Average	Horizontal
4	15930	43.9	7.2	51.1	74	-22.9	Peak	Horizontal
5	10620	39.4	3.1	42.6	54	-11.4	Average	Vertical
6	10620	48.1	3.1	51.3	74	-22.7	Peak	Vertical
7	15930	34.0	7.2	41.2	54	-12.8	Average	Vertical
8	15930	42.4	7.2	49.6	74	-24.4	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE40_Channel 102								
1	11020	37.1	2.4	39.4	54	-14.6	Average	Horizontal
2	11020	46.5	2.4	48.9	74	-25.2	Peak	Horizontal
3	16530	34.5	8.0	42.6	54	-11.5	Average	Horizontal
4	16530	43.0	8.0	51.0	68.2	-17.2	Peak	Horizontal
5	11020	39.3	2.4	41.6	54	-12.4	Average	Vertical
6	11020	48.7	2.4	51.0	74	-23.0	Peak	Vertical
7	16530	34.1	8.0	42.2	54	-11.8	Average	Vertical
8	16530	43.2	8.0	51.3	68.2	-16.9	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE40_Channel 110								
1	11100	36.3	2.3	38.6	54	-15.4	Average	Horizontal
2	11100	45.7	2.3	48.0	74	-26.0	Peak	Horizontal
3	16650	33.9	8.2	42.1	54	-11.9	Average	Horizontal
4	16650	42.9	8.2	51.1	68.2	-17.1	Peak	Horizontal
5	11100	39.0	2.3	41.3	54	-12.7	Average	Vertical
6	11100	48.6	2.3	50.9	74	-23.1	Peak	Vertical
7	16650	33.8	8.2	42.0	54	-12.0	Average	Vertical
8	16650	43.0	8.2	51.2	68.2	-17.0	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE40_Channel 134								
1	11340	35.3	2.2	37.4	54	-16.6	Average	Horizontal
2	11340	46.7	2.2	48.8	74	-25.2	Peak	Horizontal
3	17010	33.1	8.7	41.8	54	-12.2	Average	Horizontal
4	17010	43.7	8.7	52.3	68.2	-15.9	Peak	Horizontal
5	11340	37.0	2.2	39.1	54	-14.9	Average	Vertical
6	11340	46.0	2.2	48.2	74	-25.8	Peak	Vertical
7	17010	33.1	8.7	41.8	54	-12.2	Average	Vertical
8	17010	43.3	8.7	52.0	68.2	-16.2	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE40_Channel 151								
1	11510	35.5	2.1	37.5	54	-16.5	Average	Horizontal
2	11510	45.0	2.1	47.0	74	-27.0	Peak	Horizontal
3	17265	37.1	9.0	46.2	54	-7.8	Average	Horizontal
4	17265	45.4	9.0	54.4	68.2	-13.8	Peak	Horizontal
5	11510	38.0	2.1	40.1	54	-13.9	Average	Vertical
6	11510	47.5	2.1	49.6	74	-24.4	Peak	Vertical
7	17265	34.9	9.0	44.0	54	-10.0	Average	Vertical
8	17265	44.3	9.0	53.3	68.2	-14.9	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE40_Channel 159								
1	11590	36.0	2.1	38.0	54	-16.0	Average	Horizontal
2	11590	44.6	2.1	46.7	74	-27.3	Peak	Horizontal
3	17385	38.9	9.2	48.1	54	-5.9	Average	Horizontal
4	17385	46.8	9.2	56.1	68.2	-12.2	Peak	Horizontal
5	11590	37.5	2.1	39.6	54	-14.4	Average	Vertical
6	11590	46.6	2.1	48.7	74	-25.3	Peak	Vertical
7	17385	36.0	9.2	45.2	54	-8.8	Average	Vertical
8	17385	47.5	9.2	56.7	68.2	-11.5	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE80_Channel 42								
1	10420	37.3	3.4	40.7	54	-13.3	Average	Horizontal
2	10420	47.0	3.4	50.4	68.2	-17.8	Peak	Horizontal
3	15630	34.2	7.5	41.6	54	-12.4	Average	Horizontal
4	15630	44.1	7.5	51.5	74	-22.5	Peak	Horizontal
5	10420	40.2	3.4	43.6	54	-10.4	Average	Vertical
6	10420	48.8	3.4	52.2	68.2	-16.1	Peak	Vertical
7	15630	33.9	7.5	41.4	54	-12.6	Average	Vertical
8	15630	43.1	7.5	50.6	74	-23.4	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE80_Channel 58								
1	10580	35.2	3.2	38.4	54	-15.6	Average	Horizontal
2	10580	44.5	3.2	47.8	68.2	-20.4	Peak	Horizontal
3	15870	35.1	7.3	42.4	54	-11.6	Average	Horizontal
4	15870	44.6	7.3	51.9	74	-22.1	Peak	Horizontal
5	10580	37.1	3.2	40.3	54	-13.7	Average	Vertical
6	10580	45.7	3.2	48.9	68.2	-19.3	Peak	Vertical
7	15870	36.1	7.3	43.3	54	-10.7	Average	Vertical
8	15870	44.3	7.3	51.6	74	-22.4	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE80_Channel 106								
1	11060	37.1	2.3	39.4	54	-14.6	Average	Horizontal
2	11060	48.5	2.3	50.8	74	-23.2	Peak	Horizontal
3	16590	34.6	8.1	42.7	54	-11.3	Average	Horizontal
4	16590	43.7	8.1	51.8	68.2	-16.4	Peak	Horizontal
5	11060	38.0	2.3	40.3	54	-13.7	Average	Vertical
6	11060	47.7	2.3	50.0	74	-24.0	Peak	Vertical
7	16590	35.0	8.1	43.1	54	-10.9	Average	Vertical
8	16590	45.3	8.1	53.4	68.2	-14.8	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE80_Channel 122								
1	11220	35.9	2.2	38.1	54	-15.9	Average	Horizontal
2	11220	46.0	2.2	48.3	74	-25.8	Peak	Horizontal
3	16830	33.2	8.4	41.7	54	-12.4	Average	Horizontal
4	16830	43.7	8.4	52.1	68.2	-16.1	Peak	Horizontal
5	11220	36.7	2.2	38.9	54	-15.1	Average	Vertical
6	11220	46.4	2.2	48.6	74	-25.4	Peak	Vertical
7	16830	33.5	8.4	41.9	54	-12.1	Average	Vertical
8	16830	43.2	8.4	51.6	68.2	-16.6	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE80_Channel 155								
1	11550	35.5	2.1	37.6	54	-16.4	Average	Horizontal
2	11550	44.6	2.1	46.6	74	-27.4	Peak	Horizontal
3	17325	39.3	9.1	48.4	54	-5.6	Average	Horizontal
4	17325	47.7	9.1	56.9	68.2	-11.3	Peak	Horizontal
5	11550	36.1	2.1	38.1	54	-15.9	Average	Vertical
6	11550	46.4	2.1	48.5	74	-25.5	Peak	Vertical
7	17325	36.2	9.1	45.3	54	-8.7	Average	Vertical
8	17325	45.1	9.1	54.2	68.2	-14.0	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE160_Channel 50								
1	10500	35.9	3.4	39.3	54	-14.7	Average	Horizontal
2	10500	45.9	3.4	49.3	68.2	-19.0	Peak	Horizontal
3	15750	35.4	7.4	42.8	54	-11.2	Average	Horizontal
4	15750	43.9	7.4	51.3	74	-22.7	Peak	Horizontal
5	10500	36.3	3.4	39.7	54	-14.3	Average	Vertical
6	10500	44.9	3.4	48.3	68.2	-20.0	Peak	Vertical
7	15750	35.4	7.4	42.7	54	-11.3	Average	Vertical
8	15750	44.2	7.4	51.5	74	-22.5	Peak	Vertical
MIMO_ Ant. 1+3_ IEEE 802.11ax-HE160_Channel 114								
1	11140	36.8	2.3	39.0	54	-15.0	Average	Horizontal
2	11140	46.0	2.3	48.3	74	-25.7	Peak	Horizontal
3	16710	34.2	8.3	42.5	54	-11.5	Average	Horizontal
4	16710	43.5	8.3	51.8	68.2	-16.4	Peak	Horizontal
5	11140	37.2	2.3	39.5	54	-14.6	Average	Vertical
6	11140	45.8	2.3	48.1	74	-25.9	Peak	Vertical
7	16710	34.2	8.3	42.4	54	-11.6	Average	Vertical
8	16710	43.5	8.3	51.7	68.2	-16.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 36								
1	10360	44.2	3.4	47.6	54	-6.4	Average	Horizontal
2	10360	52.1	3.4	55.5	68.2	-12.7	Peak	Horizontal
3	15540	34.4	7.6	42.0	54	-12.1	Average	Horizontal
4	15540	44.3	7.6	51.8	74	-22.2	Peak	Horizontal
5	10360	47.4	3.4	50.8	54	-3.2	Average	Vertical
6	10360	55.5	3.4	58.9	68.2	-9.3	Peak	Vertical
7	15540	35.4	7.6	43.0	54	-11.1	Average	Vertical
8	15540	43.6	7.6	51.1	74	-22.9	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 40								
1	10440	43.2	3.4	46.6	54	-7.4	Average	Horizontal
2	10440	51.7	3.4	55.1	68.2	-13.1	Peak	Horizontal
3	15660	35.4	7.5	42.9	54	-11.1	Average	Horizontal
4	15660	44.8	7.5	52.2	74	-21.8	Peak	Horizontal
5	10440	47.2	3.4	50.6	54	-3.4	Average	Vertical
6	10440	57.7	3.4	61.1	68.2	-7.1	Peak	Vertical
7	15660	37.0	7.5	44.5	54	-9.6	Average	Vertical
8	15660	47.9	7.5	55.4	74	-18.7	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 48								
1	10480	41.4	3.4	44.8	54	-9.3	Average	Horizontal
2	10480	50.7	3.4	54.1	68.2	-14.1	Peak	Horizontal
3	15720	36.0	7.4	43.4	54	-10.6	Average	Horizontal
4	15720	45.7	7.4	53.1	74	-20.9	Peak	Horizontal
5	10480	46.3	3.4	49.7	54	-4.3	Average	Vertical
6	10480	54.1	3.4	57.5	68.2	-10.7	Peak	Vertical
7	15720	37.9	7.4	45.3	54	-8.7	Average	Vertical
8	15720	49.7	7.4	57.1	74	-16.9	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 52								
1	10520	37.4	3.4	40.8	54	-13.2	Average	Horizontal
2	10520	46.6	3.4	50.0	68.2	-18.2	Peak	Horizontal
3	15780	35.8	7.4	43.2	54	-10.8	Average	Horizontal
4	15780	45.5	7.4	52.8	74	-21.2	Peak	Horizontal
5	10520	40.1	3.4	43.4	54	-10.6	Average	Vertical
6	10520	48.4	3.4	51.8	68.2	-16.5	Peak	Vertical
7	15780	35.7	7.4	43.0	54	-11.0	Average	Vertical
8	15780	44.8	7.4	52.1	74	-21.9	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 56								
1	10600	35.8	3.2	39.0	54	-15.0	Average	Horizontal
2	10600	46.3	3.2	49.5	74	-24.5	Peak	Horizontal
3	15900	35.2	7.2	42.5	54	-11.5	Average	Horizontal
4	15900	45.1	7.2	52.3	74	-21.7	Peak	Horizontal
5	10600	39.4	3.2	42.6	54	-11.4	Average	Vertical
6	10600	48.0	3.2	51.2	74	-22.8	Peak	Vertical
7	15900	35.3	7.2	42.5	54	-11.5	Average	Vertical
8	15900	44.6	7.2	51.8	74	-22.2	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 64								
1	10640	35.5	3.1	38.6	54	-15.4	Average	Horizontal
2	10640	44.9	3.1	48.0	74	-26.0	Peak	Horizontal
3	15960	34.1	7.2	41.3	54	-12.7	Average	Horizontal
4	15960	43.3	7.2	50.5	74	-23.5	Peak	Horizontal
5	10640	38.1	3.1	41.2	54	-12.8	Average	Vertical
6	10640	48.1	3.1	51.2	74	-22.8	Peak	Vertical
7	15960	34.7	7.2	41.9	54	-12.1	Average	Vertical
8	15960	43.4	7.2	50.6	74	-23.4	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 100								
1	11000	36.7	2.4	39.0	54	-15.0	Average	Horizontal
2	11000	46.7	2.4	49.0	74	-25.0	Peak	Horizontal
3	16500	35.4	8.0	43.4	54	-10.6	Average	Horizontal
4	16500	45.1	8.0	53.1	68.2	-15.1	Peak	Horizontal
5	11000	40.0	2.4	42.4	54	-11.6	Average	Vertical
6	11000	48.0	2.4	50.4	74	-23.6	Peak	Vertical
7	16500	35.5	8.0	43.5	54	-10.5	Average	Vertical
8	16500	45.4	8.0	53.4	68.2	-14.8	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 116								
1	11160	37.9	2.3	40.1	54	-13.9	Average	Horizontal
2	11160	47.7	2.3	49.9	74	-24.1	Peak	Horizontal
3	16740	34.3	8.3	42.6	54	-11.4	Average	Horizontal
4	16740	44.3	8.3	52.6	68.2	-15.6	Peak	Horizontal
5	11160	38.2	2.3	40.4	54	-13.6	Average	Vertical
6	11160	48.3	2.3	50.5	74	-23.5	Peak	Vertical
7	16740	34.8	8.3	43.1	54	-10.9	Average	Vertical
8	16740	43.8	8.3	52.1	68.2	-16.1	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 140								
1	11400	36.2	2.1	38.3	54	-15.7	Average	Horizontal
2	11400	45.6	2.1	47.7	74	-26.3	Peak	Horizontal
3	17100	35.5	8.8	44.3	54	-9.7	Average	Horizontal
4	17100	46.3	8.8	55.1	68.2	-13.1	Peak	Horizontal
5	11400	36.6	2.1	38.7	54	-15.3	Average	Vertical
6	11400	45.8	2.1	47.9	74	-26.1	Peak	Vertical
7	17100	35.2	8.8	44.0	54	-10.0	Average	Vertical
8	17100	45.2	8.8	54.0	68.2	-14.2	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 149								
1	11490	36.7	2.1	38.8	54	-15.2	Average	Horizontal
2	11490	45.2	2.1	47.3	74	-26.7	Peak	Horizontal
3	17235	34.5	9.0	43.5	54	-10.5	Average	Horizontal
4	17235	44.2	9.0	53.2	68.2	-15.0	Peak	Horizontal
5	11490	37.9	2.1	40.0	54	-14.1	Average	Vertical
6	11490	47.2	2.1	49.3	74	-24.8	Peak	Vertical
7	17235	34.3	9.0	43.3	54	-10.7	Average	Vertical
8	17235	44.1	9.0	53.1	68.2	-15.1	Peak	Vertical

Radiated Emission Test Data (Above 1GHz):								
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 157								
1	11570	36.9	2.1	39.0	54	-15.0	Average	Horizontal
2	11570	45.6	2.1	47.7	74	-26.3	Peak	Horizontal
3	17355	33.9	9.2	43.0	54	-11.0	Average	Horizontal
4	17355	42.9	9.2	52.1	68.2	-16.2	Peak	Horizontal
5	11570	39.0	2.1	41.0	54	-13.0	Average	Vertical
6	11570	47.7	2.1	49.8	74	-24.2	Peak	Vertical
7	17355	33.8	9.2	43.0	54	-11.0	Average	Vertical
8	17355	43.1	9.2	52.3	68.2	-16.0	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT20_Channel 165								
1	11650	36.8	2.1	38.9	54	-15.1	Average	Horizontal
2	11650	46.3	2.1	48.4	74	-25.6	Peak	Horizontal
3	17475	33.6	9.3	43.0	54	-11.1	Average	Horizontal
4	17475	42.8	9.3	52.2	68.2	-16.0	Peak	Horizontal
5	11650	38.2	2.1	40.3	54	-13.8	Average	Vertical
6	11650	47.0	2.1	49.1	74	-24.9	Peak	Vertical
7	17475	33.9	9.3	43.2	54	-10.8	Average	Vertical
8	17475	43.0	9.3	52.4	68.2	-15.9	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT40_Channel 38								
1	10380	41.6	3.4	45.0	54	-9.0	Average	Horizontal
2	10380	50.1	3.4	53.5	68.2	-14.8	Peak	Horizontal
3	15570	34.0	7.5	41.6	54	-12.5	Average	Horizontal
4	15570	44.2	7.5	51.7	74	-22.3	Peak	Horizontal
5	10380	45.1	3.4	48.5	54	-5.5	Average	Vertical
6	10380	54.3	3.4	57.7	68.2	-10.5	Peak	Vertical
7	15570	34.3	7.5	41.8	54	-12.2	Average	Vertical
8	15570	43.2	7.5	50.7	74	-23.3	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11n-HT40_Channel 46								
1	10460	40.1	3.4	43.5	54	-10.6	Average	Horizontal
2	10460	49.0	3.4	52.4	68.2	-15.8	Peak	Horizontal
3	15690	35.3	7.4	42.7	54	-11.3	Average	Horizontal
4	15690	44.9	7.4	52.3	74	-21.7	Peak	Horizontal
5	10460	43.6	3.4	47.0	54	-7.0	Average	Vertical
6	10460	53.7	3.4	57.1	68.2	-11.1	Peak	Vertical
7	15690	36.1	7.4	43.5	54	-10.5	Average	Vertical
8	15690	45.1	7.4	52.5	74	-21.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT40_Channel 54								
1	10540	36.6	3.3	39.9	54	-14.1	Average	Horizontal
2	10540	45.1	3.3	48.4	68.2	-19.8	Peak	Horizontal
3	15810	35.6	7.3	42.9	54	-11.1	Average	Horizontal
4	15810	44.9	7.3	52.2	74	-21.8	Peak	Horizontal
5	10540	39.3	3.3	42.6	54	-11.4	Average	Vertical
6	10540	47.1	3.3	50.4	68.2	-17.8	Peak	Vertical
7	15810	35.3	7.3	42.6	54	-11.4	Average	Vertical
8	15810	45.4	7.3	52.7	74	-21.3	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT40_Channel 62								
1	10620	35.6	3.1	38.7	54	-15.3	Average	Horizontal
2	10620	43.9	3.1	47.0	74	-27.0	Peak	Horizontal
3	15930	34.6	7.2	41.8	54	-12.2	Average	Horizontal
4	15930	44.8	7.2	52.0	74	-22.0	Peak	Horizontal
5	10620	38.4	3.1	41.5	54	-12.5	Average	Vertical
6	10620	46.1	3.1	49.3	74	-24.7	Peak	Vertical
7	15930	35.1	7.2	42.3	54	-11.7	Average	Vertical
8	15930	44.9	7.2	52.1	74	-21.9	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT40_Channel 102								
1	11020	37.3	2.4	39.6	54	-14.4	Average	Horizontal
2	11020	46.4	2.4	48.7	74	-25.3	Peak	Horizontal
3	16530	35.3	8.0	43.4	54	-10.6	Average	Horizontal
4	16530	44.8	8.0	52.8	68.2	-15.4	Peak	Horizontal
5	11020	37.6	2.4	40.0	54	-14.0	Average	Vertical
6	11020	46.6	2.4	48.9	74	-25.1	Peak	Vertical
7	16530	36.3	8.0	44.3	54	-9.7	Average	Vertical
8	16530	45.7	8.0	53.8	68.2	-14.4	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11n-HT40_Channel 110								
1	11100	36.8	2.3	39.1	54	-14.9	Average	Horizontal
2	11100	46.1	2.3	48.4	74	-25.6	Peak	Horizontal
3	16650	34.9	8.2	43.1	54	-10.9	Average	Horizontal
4	16650	44.2	8.2	52.4	68.2	-15.9	Peak	Horizontal
5	11100	37.9	2.3	40.2	54	-13.8	Average	Vertical
6	11100	47.6	2.3	49.9	74	-24.1	Peak	Vertical
7	16650	34.8	8.2	43.0	54	-11.0	Average	Vertical
8	16650	44.8	8.2	53.0	68.2	-15.2	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT40_Channel 134								
1	11340	35.4	2.2	37.5	54	-16.5	Average	Horizontal
2	11340	44.5	2.2	46.7	74	-27.3	Peak	Horizontal
3	17010	33.8	8.7	42.4	54	-11.6	Average	Horizontal
4	17010	43.4	8.7	52.1	68.2	-16.1	Peak	Horizontal
5	11340	35.5	2.2	37.6	54	-16.4	Average	Vertical
6	11340	45.8	2.2	48.0	74	-26.0	Peak	Vertical
7	17010	34.1	8.7	42.8	54	-11.2	Average	Vertical
8	17010	43.6	8.7	52.2	68.2	-16.0	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT40 _Channel 151								
1	11510	37.4	2.1	39.5	54	-14.5	Average	Horizontal
2	11510	45.7	2.1	47.7	74	-26.3	Peak	Horizontal
3	17265	34.6	9.0	43.6	54	-10.4	Average	Horizontal
4	17265	43.8	9.0	52.8	68.2	-15.4	Peak	Horizontal
5	11510	41.4	2.1	43.4	54	-10.6	Average	Vertical
6	11510	49.7	2.1	51.8	74	-22.2	Peak	Vertical
7	17265	34.8	9.0	43.8	54	-10.2	Average	Vertical
8	17265	45.1	9.0	54.1	68.2	-14.1	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11n-HT40_Channel 159								
1	11590	37.0	2.1	39.0	54	-15.0	Average	Horizontal
2	11590	46.2	2.1	48.3	74	-25.7	Peak	Horizontal
3	17385	34.0	9.2	43.2	54	-10.8	Average	Horizontal
4	17385	43.1	9.2	52.3	68.2	-15.9	Peak	Horizontal
5	11590	41.9	2.1	44.0	54	-10.0	Average	Vertical
6	11590	51.2	2.1	53.3	74	-20.7	Peak	Vertical
7	17385	34.1	9.2	43.3	54	-10.7	Average	Vertical
8	17385	44.3	9.2	53.5	68.2	-14.7	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_IEEE 802.11ac-VHT80_Channel 42								
1	10420	37.6	3.4	41.0	54	-13.0	Average	Horizontal
2	10420	45.9	3.4	49.3	68.2	-18.9	Peak	Horizontal
3	15630	34.2	7.5	41.7	54	-12.3	Average	Horizontal
4	15630	43.9	7.5	51.4	74	-22.6	Peak	Horizontal
5	10420	39.3	3.4	42.7	54	-11.3	Average	Vertical
6	10420	47.8	3.4	51.2	68.2	-17.1	Peak	Vertical
7	15630	34.4	7.5	41.9	54	-12.1	Average	Vertical
8	15630	43.3	7.5	50.8	74	-23.2	Peak	Vertical
MIMO_ Ant. 2+3_IEEE 802.11ac-VHT80_Channel 58								
1	10580	35.1	3.2	38.4	54	-15.6	Average	Horizontal
2	10580	46.3	3.2	49.5	68.2	-18.7	Peak	Horizontal
3	15870	35.4	7.3	42.7	54	-11.3	Average	Horizontal
4	15870	44.6	7.3	51.8	74	-22.2	Peak	Horizontal
5	10580	37.1	3.2	40.3	54	-13.7	Average	Vertical
6	10580	45.5	3.2	48.8	68.2	-19.4	Peak	Vertical
7	15870	35.6	7.3	42.9	54	-11.1	Average	Vertical
8	15870	45.5	7.3	52.7	74	-21.3	Peak	Vertical
MIMO_ Ant. 2+3_IEEE 802.11ac-VHT80_Channel 106								
1	11060	37.8	2.3	40.2	54	-13.8	Average	Horizontal
2	11060	46.8	2.3	49.2	74	-24.8	Peak	Horizontal
3	16590	35.1	8.1	43.2	54	-10.8	Average	Horizontal
4	16590	44.8	8.1	52.9	68.2	-15.3	Peak	Horizontal
5	11060	38.0	2.3	40.3	54	-13.7	Average	Vertical
6	11060	46.5	2.3	48.8	74	-25.2	Peak	Vertical
7	16590	35.6	8.1	43.7	54	-10.3	Average	Vertical
8	16590	44.2	8.1	52.3	68.2	-15.9	Peak	Vertical
MIMO_ Ant. 2+3_IEEE 802.11ac-VHT80_Channel 122								
1	11220	36.2	2.2	38.5	54	-15.6	Average	Horizontal
2	11220	45.3	2.2	47.5	74	-26.5	Peak	Horizontal
3	16830	33.9	8.4	42.3	54	-11.7	Average	Horizontal
4	16830	43.0	8.4	51.5	68.2	-16.7	Peak	Horizontal
5	11220	36.6	2.2	38.8	54	-15.2	Average	Vertical
6	11220	46.3	2.2	48.6	74	-25.5	Peak	Vertical
7	16830	33.7	8.4	42.2	54	-11.8	Average	Vertical
8	16830	43.6	8.4	52.1	68.2	-16.2	Peak	Vertical

Radiated Emission Test Data (Above 1GHz):								
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_IEEE 802.11ac-VHT80_Channel 155								
1	11550	35.8	2.1	37.9	54	-16.2	Average	Horizontal
2	11550	44.1	2.1	46.1	74	-27.9	Peak	Horizontal
3	17325	35.2	9.1	44.3	54	-9.7	Average	Horizontal
4	17325	46.3	9.1	55.4	68.2	-12.8	Peak	Horizontal
5	11550	37.5	2.1	39.5	54	-14.5	Average	Vertical
6	11550	45.8	2.1	47.9	74	-26.1	Peak	Vertical
7	17325	35.0	9.1	44.2	54	-9.8	Average	Vertical
8	17325	46.9	9.1	56.0	68.2	-12.2	Peak	Vertical
MIMO_ Ant. 2+3_IEEE 802.11ac-VHT160_Channel 50								
1	10500	36.1	3.4	39.5	54	-14.5	Average	Horizontal
2	10500	45.2	3.4	48.6	68.2	-19.6	Peak	Horizontal
3	15750	35.4	7.4	42.8	54	-11.3	Average	Horizontal
4	15750	44.7	7.4	52.1	74	-21.9	Peak	Horizontal
5	10500	36.5	3.4	39.9	54	-14.1	Average	Vertical
6	10500	47.4	3.4	50.8	68.2	-17.4	Peak	Vertical
7	15750	35.5	7.4	42.9	54	-11.1	Average	Vertical
8	15750	45.1	7.4	52.5	74	-21.5	Peak	Vertical
MIMO_ Ant. 2+3_IEEE 802.11ac-VHT160_Channel 114								
1	11140	37.1	2.3	39.3	54	-14.7	Average	Horizontal
2	11140	45.7	2.3	48.0	74	-26.0	Peak	Horizontal
3	16710	34.3	8.3	42.6	54	-11.4	Average	Horizontal
4	16710	42.9	8.3	51.2	68.2	-17.0	Peak	Horizontal
5	11140	37.1	2.3	39.4	54	-14.6	Average	Vertical
6	11140	47.1	2.3	49.4	74	-24.7	Peak	Vertical
7	16710	34.4	8.3	42.6	54	-11.4	Average	Vertical
8	16710	43.5	8.3	51.8	68.2	-16.4	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 36								
1	10360	38.7	3.4	42.1	54	-11.9	Average	Horizontal
2	10360	46.6	3.4	49.9	68.2	-18.3	Peak	Horizontal
3	15540	34.4	7.6	41.9	54	-12.1	Average	Horizontal
4	15540	42.9	7.6	50.4	74	-23.6	Peak	Horizontal
5	10360	39.8	3.4	43.2	54	-10.8	Average	Vertical
6	10360	49.6	3.4	52.9	68.2	-15.3	Peak	Vertical
7	15540	34.5	7.6	42.0	54	-12.0	Average	Vertical
8	15540	43.8	7.6	51.4	74	-22.6	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 40								
1	10440	39.7	3.4	43.1	54	-10.9	Average	Horizontal
2	10440	49.6	3.4	53.0	68.2	-15.2	Peak	Horizontal
3	15660	34.4	7.5	41.9	54	-12.1	Average	Horizontal
4	15660	43.9	7.5	51.3	74	-22.7	Peak	Horizontal
5	10440	42.4	3.4	45.8	54	-8.2	Average	Vertical
6	10440	50.2	3.4	53.5	68.2	-14.7	Peak	Vertical
7	15660	35.1	7.5	42.5	54	-11.5	Average	Vertical
8	15660	44.3	7.5	51.8	74	-22.2	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 48								
1	10480	38.8	3.4	42.2	54	-11.8	Average	Horizontal
2	10480	46.9	3.4	50.3	68.2	-17.9	Peak	Horizontal
3	15720	35.4	7.4	42.8	54	-11.2	Average	Horizontal
4	15720	44.7	7.4	52.1	74	-21.9	Peak	Horizontal
5	10480	41.7	3.4	45.1	54	-9.0	Average	Vertical
6	10480	52.0	3.4	55.4	68.2	-12.8	Peak	Vertical
7	15720	36.3	7.4	43.7	54	-10.3	Average	Vertical
8	15720	47.3	7.4	54.7	74	-19.3	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 52								
1	10520	37.3	3.4	40.7	54	-13.3	Average	Horizontal
2	10520	46.6	3.4	49.9	68.2	-18.3	Peak	Horizontal
3	15780	36.2	7.4	43.6	54	-10.5	Average	Horizontal
4	15780	45.7	7.4	53.0	74	-21.0	Peak	Horizontal
5	10520	40.8	3.4	44.1	54	-9.9	Average	Vertical
6	10520	50.0	3.4	53.3	68.2	-14.9	Peak	Vertical
7	15780	36.3	7.4	43.7	54	-10.3	Average	Vertical
8	15780	44.8	7.4	52.1	74	-21.9	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 56								
1	10600	36.2	3.2	39.4	54	-14.6	Average	Horizontal
2	10600	45.2	3.2	48.4	74	-25.6	Peak	Horizontal
3	15900	35.1	7.2	42.4	54	-11.6	Average	Horizontal
4	15900	44.2	7.2	51.5	74	-22.5	Peak	Horizontal
5	10600	39.8	3.2	43.0	54	-11.0	Average	Vertical
6	10600	48.8	3.2	52.0	74	-22.0	Peak	Vertical
7	15900	35.9	7.2	43.2	54	-10.8	Average	Vertical
8	15900	45.2	7.2	52.5	74	-21.6	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 64								
1	10640	36.5	3.1	39.6	54	-14.4	Average	Horizontal
2	10640	45.2	3.1	48.3	74	-25.7	Peak	Horizontal
3	15960	33.8	7.2	41.0	54	-13.0	Average	Horizontal
4	15960	43.7	7.2	50.9	74	-23.1	Peak	Horizontal
5	10640	38.7	3.1	41.8	54	-12.2	Average	Vertical
6	10640	46.7	3.1	49.8	74	-24.2	Peak	Vertical
7	15960	34.3	7.2	41.5	54	-12.5	Average	Vertical
8	15960	43.4	7.2	50.6	74	-23.4	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 100								
1	11000	36.8	2.4	39.2	54	-14.8	Average	Horizontal
2	11000	45.4	2.4	47.8	74	-26.2	Peak	Horizontal
3	16500	35.1	8.0	43.1	54	-10.9	Average	Horizontal
4	16500	44.7	8.0	52.7	68.2	-15.6	Peak	Horizontal
5	11000	39.3	2.4	41.6	54	-12.4	Average	Vertical
6	11000	46.5	2.4	48.8	74	-25.2	Peak	Vertical
7	16500	35.1	8.0	43.1	54	-10.9	Average	Vertical
8	16500	44.7	8.0	52.7	68.2	-15.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 116								
1	11160	38.1	2.3	40.3	54	-13.7	Average	Horizontal
2	11160	47.1	2.3	49.3	74	-24.7	Peak	Horizontal
3	16740	33.9	8.3	42.2	54	-11.8	Average	Horizontal
4	16740	43.8	8.3	52.1	68.2	-16.1	Peak	Horizontal
5	11160	39.2	2.3	41.5	54	-12.5	Average	Vertical
6	11160	48.2	2.3	50.5	74	-23.5	Peak	Vertical
7	16740	33.8	8.3	42.1	54	-11.9	Average	Vertical
8	16740	42.5	8.3	50.8	68.2	-17.4	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 140								
1	11400	35.6	2.1	37.7	54	-16.3	Average	Horizontal
2	11400	45.2	2.1	47.3	74	-26.7	Peak	Horizontal
3	17100	34.8	8.8	43.6	54	-10.4	Average	Horizontal
4	17100	44.7	8.8	53.5	68.2	-14.7	Peak	Horizontal
5	11400	36.8	2.1	38.9	54	-15.1	Average	Vertical
6	11400	46.2	2.1	48.3	74	-25.7	Peak	Vertical
7	17100	34.7	8.8	43.5	54	-10.5	Average	Vertical
8	17100	46.9	8.8	55.6	68.2	-12.6	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 149								
1	11490	39.6	2.1	41.7	54	-12.3	Average	Horizontal
2	11490	48.0	2.1	50.0	74	-24.0	Peak	Horizontal
3	17235	37.9	9.0	46.9	54	-7.1	Average	Horizontal
4	17235	48.4	9.0	57.4	68.2	-10.8	Peak	Horizontal
5	11490	44.8	2.1	46.9	54	-7.1	Average	Vertical
6	11490	51.8	2.1	53.8	74	-20.2	Peak	Vertical
7	17235	35.6	9.0	44.6	54	-9.4	Average	Vertical
8	17235	45.8	9.0	54.8	68.2	-13.4	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 157								
1	11570	37.2	2.1	39.3	54	-14.7	Average	Horizontal
2	11570	45.1	2.1	47.2	74	-26.8	Peak	Horizontal
3	17355	32.5	9.2	41.6	54	-12.4	Average	Horizontal
4	17355	42.9	9.2	52.1	68.2	-16.1	Peak	Horizontal
5	11570	38.9	2.1	40.9	54	-13.1	Average	Vertical
6	11570	47.3	2.1	49.4	74	-24.7	Peak	Vertical
7	17355	32.8	9.2	42.0	54	-12.0	Average	Vertical
8	17355	41.8	9.2	50.9	68.2	-17.3	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE20_Channel 165								
1	11650	37.8	2.1	39.9	54	-14.1	Average	Horizontal
2	11650	47.4	2.1	49.5	74	-24.5	Peak	Horizontal
3	17475	37.3	9.3	46.6	54	-7.4	Average	Horizontal
4	17475	46.2	9.3	55.5	68.2	-12.7	Peak	Horizontal
5	11650	41.2	2.1	43.3	54	-10.7	Average	Vertical
6	11650	51.0	2.1	53.1	74	-20.9	Peak	Vertical
7	17475	35.9	9.3	45.2	54	-8.8	Average	Vertical
8	17475	46.6	9.3	55.9	68.2	-12.3	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE40_Channel 38								
1	10380	38.0	3.4	41.4	54	-12.6	Average	Horizontal
2	10380	47.1	3.4	50.5	68.2	-17.8	Peak	Horizontal
3	15570	33.2	7.5	40.8	54	-13.2	Average	Horizontal
4	15570	42.4	7.5	50.0	74	-24.0	Peak	Horizontal
5	10380	39.7	3.4	43.1	54	-10.9	Average	Vertical
6	10380	48.7	3.4	52.1	68.2	-16.1	Peak	Vertical
7	15570	33.8	7.5	41.4	54	-12.6	Average	Vertical
8	15570	43.0	7.5	50.5	74	-23.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE40_Channel 46								
1	10460	37.3	3.4	40.7	54	-13.3	Average	Horizontal
2	10460	46.4	3.4	49.8	68.2	-18.4	Peak	Horizontal
3	15690	33.8	7.4	41.3	54	-12.8	Average	Horizontal
4	15690	44.4	7.4	51.8	74	-22.2	Peak	Horizontal
5	10460	40.0	3.4	43.4	54	-10.6	Average	Vertical
6	10460	49.5	3.4	52.9	68.2	-15.3	Peak	Vertical
7	15690	34.2	7.4	41.6	54	-12.4	Average	Vertical
8	15690	43.1	7.4	50.5	74	-23.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE40_Channel 54								
1	10540	36.4	3.3	39.7	54	-14.3	Average	Horizontal
2	10540	44.9	3.3	48.2	68.2	-20.0	Peak	Horizontal
3	15810	34.7	7.3	42.1	54	-11.9	Average	Horizontal
4	15810	45.0	7.3	52.3	74	-21.7	Peak	Horizontal
5	10540	38.3	3.3	41.6	54	-12.4	Average	Vertical
6	10540	46.9	3.3	50.2	68.2	-18.0	Peak	Vertical
7	15810	34.6	7.3	41.9	54	-12.1	Average	Vertical
8	15810	44.6	7.3	51.9	74	-22.1	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE40_Channel 62								
1	10620	35.4	3.1	38.5	54	-15.5	Average	Horizontal
2	10620	45.1	3.1	48.2	74	-25.8	Peak	Horizontal
3	15930	33.6	7.2	40.9	54	-13.2	Average	Horizontal
4	15930	43.4	7.2	50.6	74	-23.4	Peak	Horizontal
5	10620	37.0	3.1	40.2	54	-13.8	Average	Vertical
6	10620	47.0	3.1	50.2	74	-23.9	Peak	Vertical
7	15930	33.6	7.2	40.8	54	-13.2	Average	Vertical
8	15930	43.7	7.2	51.0	74	-23.1	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE40_Channel 102								
1	11020	36.5	2.4	38.8	54	-15.2	Average	Horizontal
2	11020	44.9	2.4	47.3	74	-26.7	Peak	Horizontal
3	16530	34.2	8.0	42.2	54	-11.8	Average	Horizontal
4	16530	44.9	8.0	52.9	68.2	-15.3	Peak	Horizontal
5	11020	37.9	2.4	40.2	54	-13.8	Average	Vertical
6	11020	48.1	2.4	50.4	74	-23.6	Peak	Vertical
7	16530	34.9	8.0	42.9	54	-11.1	Average	Vertical
8	16530	44.4	8.0	52.5	68.2	-15.7	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE40_Channel 110								
1	11100	36.9	2.3	39.2	54	-14.8	Average	Horizontal
2	11100	46.2	2.3	48.5	74	-25.5	Peak	Horizontal
3	16650	34.1	8.2	42.3	54	-11.7	Average	Horizontal
4	16650	44.0	8.2	52.2	68.2	-16.0	Peak	Horizontal
5	11100	37.7	2.3	40.0	54	-14.0	Average	Vertical
6	11100	46.7	2.3	49.0	74	-25.0	Peak	Vertical
7	16650	34.7	8.2	42.9	54	-11.1	Average	Vertical
8	16650	43.5	8.2	51.7	68.2	-16.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE40_Channel 134								
1	11340	35.0	2.2	37.1	54	-16.9	Average	Horizontal
2	11340	44.0	2.2	46.1	74	-27.9	Peak	Horizontal
3	17010	33.8	8.7	42.5	54	-11.5	Average	Horizontal
4	17010	42.8	8.7	51.4	68.2	-16.8	Peak	Horizontal
5	11340	36.4	2.2	38.6	54	-15.4	Average	Vertical
6	11340	44.7	2.2	46.8	74	-27.2	Peak	Vertical
7	17010	33.9	8.7	42.6	54	-11.4	Average	Vertical
8	17010	42.1	8.7	50.7	68.2	-17.5	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE40_Channel 151								
1	11510	36.4	2.1	38.5	54	-15.5	Average	Horizontal
2	11510	46.7	2.1	48.8	74	-25.3	Peak	Horizontal
3	17265	34.8	9.0	43.9	54	-10.1	Average	Horizontal
4	17265	44.9	9.0	54.0	68.2	-14.2	Peak	Horizontal
5	11510	40.7	2.1	42.8	54	-11.2	Average	Vertical
6	11510	48.1	2.1	50.2	74	-23.8	Peak	Vertical
7	17265	34.0	9.0	43.1	54	-10.9	Average	Vertical
8	17265	43.7	9.0	52.8	68.2	-15.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE40_Channel 159								
1	11590	36.5	2.1	38.5	54	-15.5	Average	Horizontal
2	11590	45.4	2.1	47.5	74	-26.5	Peak	Horizontal
3	17385	35.2	9.2	44.4	54	-9.6	Average	Horizontal
4	17385	45.1	9.2	54.3	68.2	-13.9	Peak	Horizontal
5	11590	37.1	2.1	39.2	54	-14.8	Average	Vertical
6	11590	46.6	2.1	48.7	74	-25.3	Peak	Vertical
7	17385	33.5	9.2	42.7	54	-11.3	Average	Vertical
8	17385	42.5	9.2	51.7	68.2	-16.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE80_Channel 42								
1	10420	37.1	3.4	40.5	54	-13.5	Average	Horizontal
2	10420	46.4	3.4	49.8	68.2	-18.4	Peak	Horizontal
3	15630	34.4	7.5	41.9	54	-12.1	Average	Horizontal
4	15630	44.0	7.5	51.5	74	-22.5	Peak	Horizontal
5	10420	37.8	3.4	41.2	54	-12.9	Average	Vertical
6	10420	46.1	3.4	49.5	68.2	-18.7	Peak	Vertical
7	15630	34.5	7.5	42.0	54	-12.0	Average	Vertical
8	15630	43.0	7.5	50.5	74	-23.6	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE80_Channel 58								
1	10580	35.4	3.2	38.6	54	-15.4	Average	Horizontal
2	10580	45.1	3.2	48.3	68.2	-19.9	Peak	Horizontal
3	15870	35.2	7.3	42.4	54	-11.6	Average	Horizontal
4	15870	44.4	7.3	51.7	74	-22.3	Peak	Horizontal
5	10580	36.2	3.2	39.4	54	-14.6	Average	Vertical
6	10580	45.6	3.2	48.8	68.2	-19.4	Peak	Vertical
7	15870	35.1	7.3	42.4	54	-11.6	Average	Vertical
8	15870	44.3	7.3	51.5	74	-22.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE80_Channel 106								
1	11060	36.8	2.3	39.2	54	-14.8	Average	Horizontal
2	11060	47.3	2.3	49.6	74	-24.4	Peak	Horizontal
3	16590	34.8	8.1	42.9	54	-11.1	Average	Horizontal
4	16590	44.3	8.1	52.4	68.2	-15.8	Peak	Horizontal
5	11060	37.6	2.3	40.0	54	-14.1	Average	Vertical
6	11060	47.1	2.3	49.5	74	-24.6	Peak	Vertical
7	16590	35.2	8.1	43.3	54	-10.7	Average	Vertical
8	16590	44.6	8.1	52.7	68.2	-15.5	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE80_Channel 122								
1	11220	35.6	2.2	37.9	54	-16.1	Average	Horizontal
2	11220	46.2	2.2	48.4	74	-25.6	Peak	Horizontal
3	16830	33.4	8.4	41.8	54	-12.2	Average	Horizontal
4	16830	44.0	8.4	52.4	68.2	-15.8	Peak	Horizontal
5	11220	36.2	2.2	38.4	54	-15.6	Average	Vertical
6	11220	45.4	2.2	47.6	74	-26.4	Peak	Vertical
7	16830	33.4	8.4	41.8	54	-12.2	Average	Vertical
8	16830	43.4	8.4	51.9	68.2	-16.4	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE80_Channel 155								
1	11550	35.3	2.1	37.3	54	-16.7	Average	Horizontal
2	11550	45.1	2.1	47.1	74	-26.9	Peak	Horizontal
3	17325	35.3	9.1	44.4	54	-9.6	Average	Horizontal
4	17325	44.4	9.1	53.5	68.2	-14.7	Peak	Horizontal
5	11550	38.8	2.1	40.8	54	-13.2	Average	Vertical
6	11550	47.8	2.1	49.9	74	-24.1	Peak	Vertical
7	17325	35.2	9.1	44.3	54	-9.7	Average	Vertical
8	17325	43.6	9.1	52.7	68.2	-15.5	Peak	Vertical

No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE160_Channel 50								
1	10500	36.2	3.4	39.6	54	-14.4	Average	Horizontal
2	10500	46.8	3.4	50.2	68.2	-18.0	Peak	Horizontal
3	15750	35.5	7.4	42.9	54	-11.2	Average	Horizontal
4	15750	44.2	7.4	51.6	74	-22.4	Peak	Horizontal
5	10500	36.1	3.4	39.5	54	-14.5	Average	Vertical
6	10500	46.1	3.4	49.5	68.2	-18.7	Peak	Vertical
7	15750	35.5	7.4	42.8	54	-11.2	Average	Vertical
8	15750	44.8	7.4	52.2	74	-21.8	Peak	Vertical
MIMO_ Ant. 2+3_ IEEE 802.11ax-HE160_Channel 114								
1	11140	37.2	2.3	39.5	54	-14.5	Average	Horizontal
2	11140	46.7	2.3	48.9	74	-25.1	Peak	Horizontal
3	16710	34.5	8.3	42.8	54	-11.2	Average	Horizontal
4	16710	45.0	8.3	53.3	68.2	-14.9	Peak	Horizontal
5	11140	37.1	2.3	39.4	54	-14.6	Average	Vertical
6	11140	47.3	2.3	49.6	74	-24.4	Peak	Vertical
7	16710	34.3	8.3	42.6	54	-11.4	Average	Vertical
8	16710	43.9	8.3	52.2	68.2	-16.0	Peak	Vertical

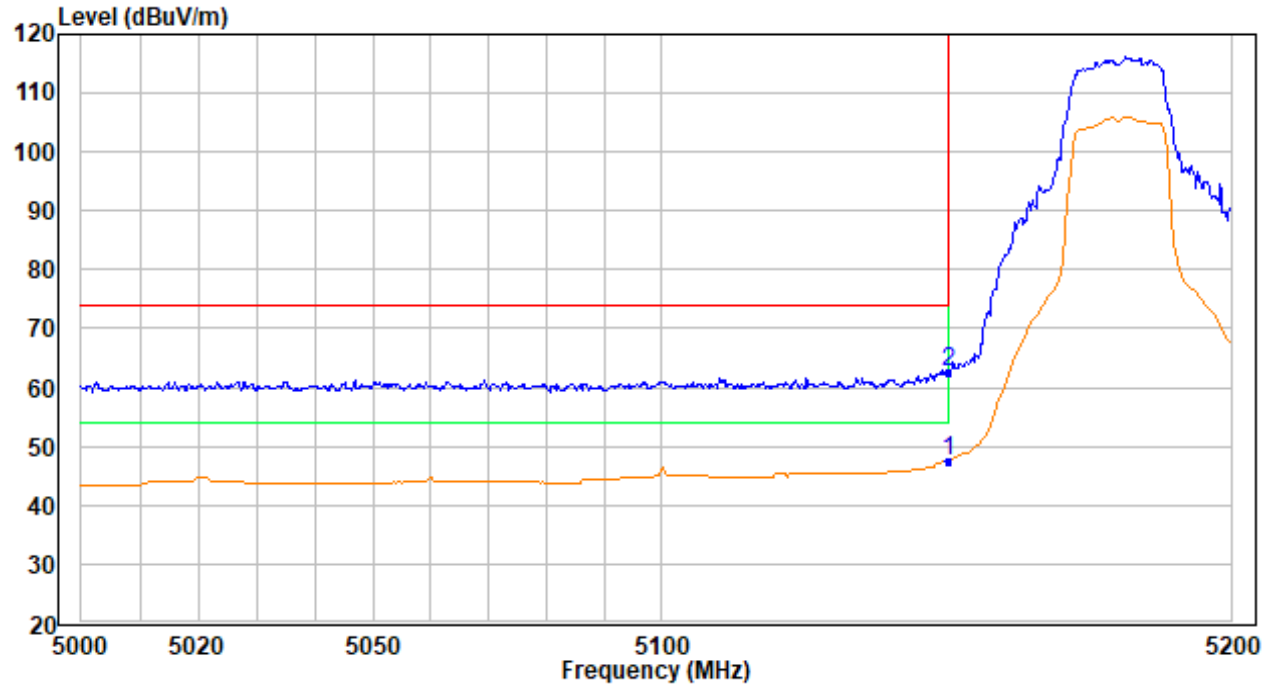
Remark:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result – Limit
4. The disturbance above 18GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

Band Edge Measurements (Radiated)

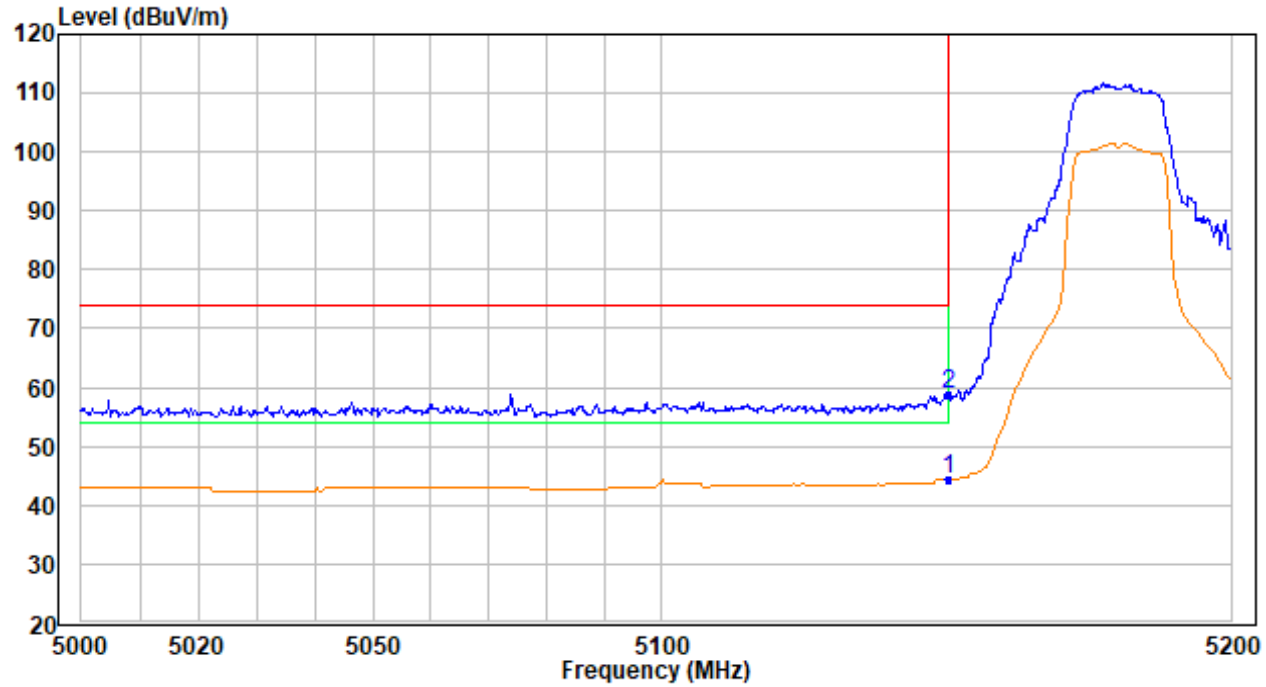
Antenna 1_IEEE 802.11a

Test Channel:	Channel 36	Ant. Polar. :	Horizontal



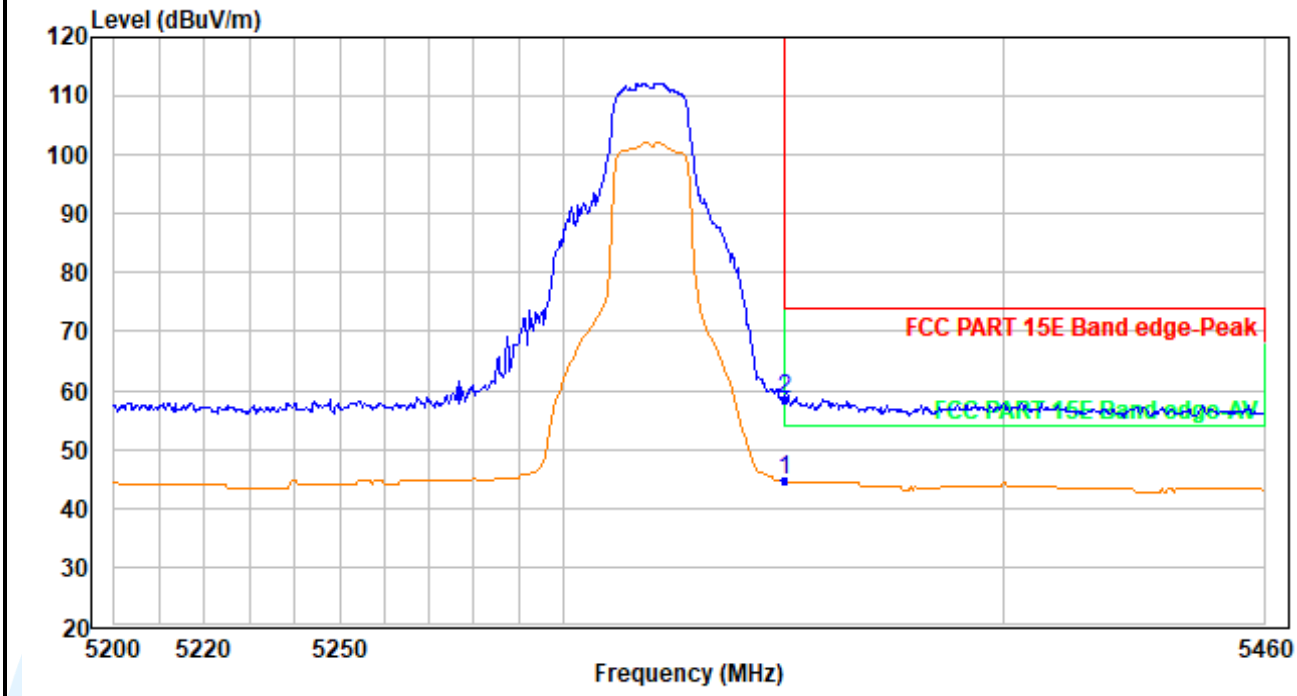
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	62.75	74.00	47.37	54.00	PASS

Test Channel:	Channel 36	Ant. Polar. :	Vertical



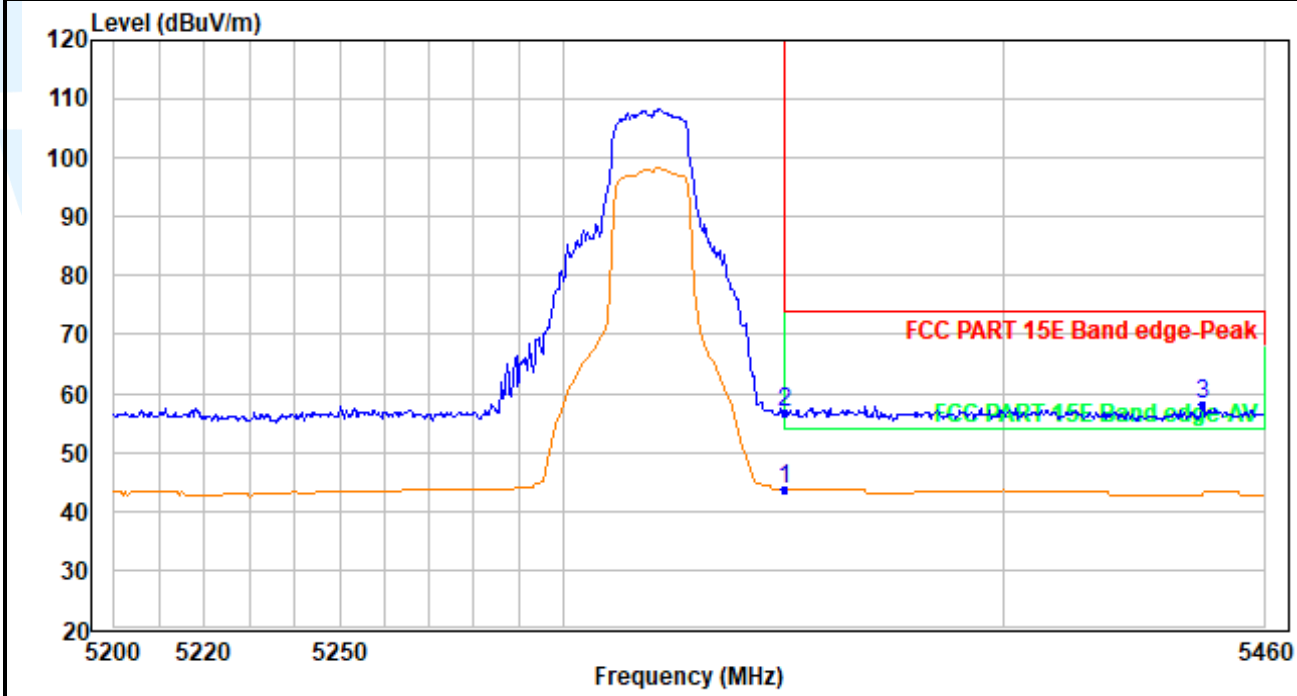
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	58.96	74.00	44.37	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Horizontal



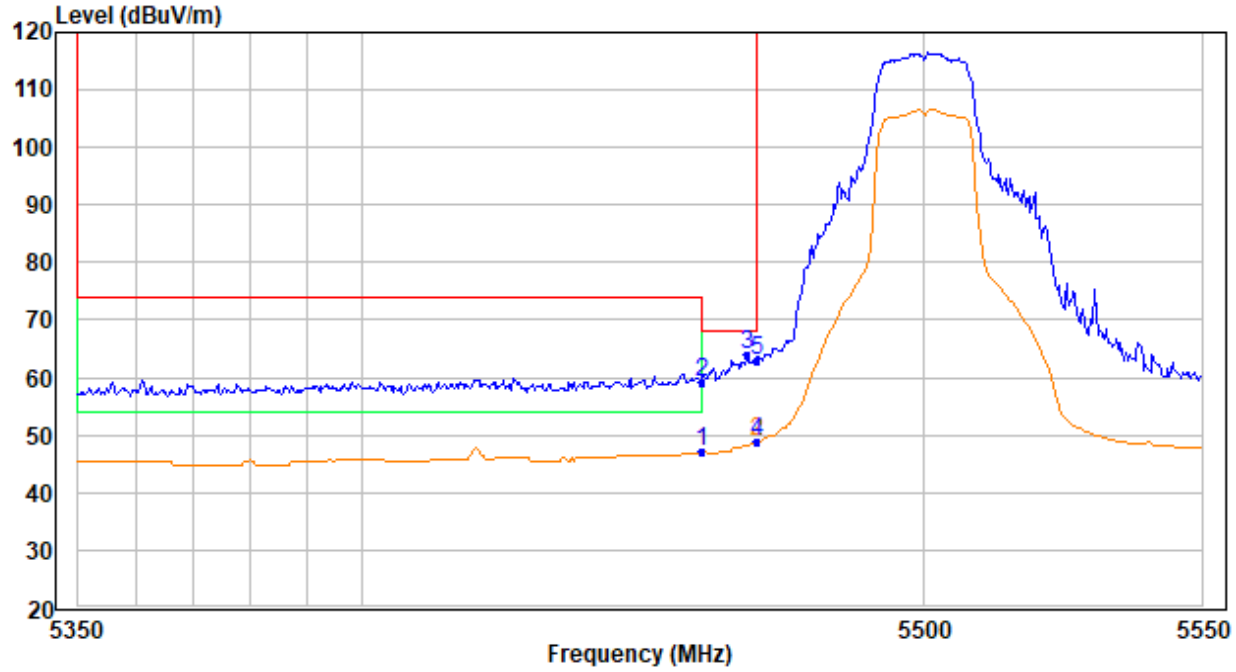
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	58.38	74.00	44.82	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Vertical



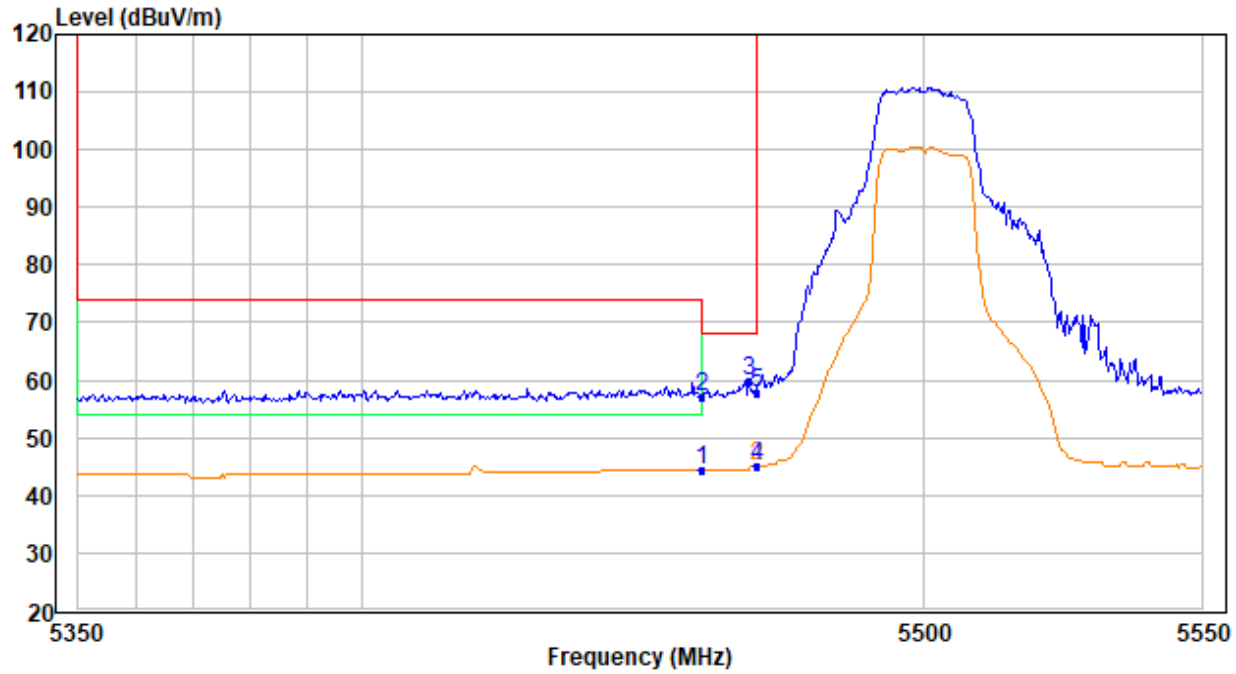
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	56.70	74.00	43.73	54.00	PASS
5445.932	58.01	74.00	--	--	PASS

Test Channel:	Channel 100	Ant. Polar. :	Horizontal



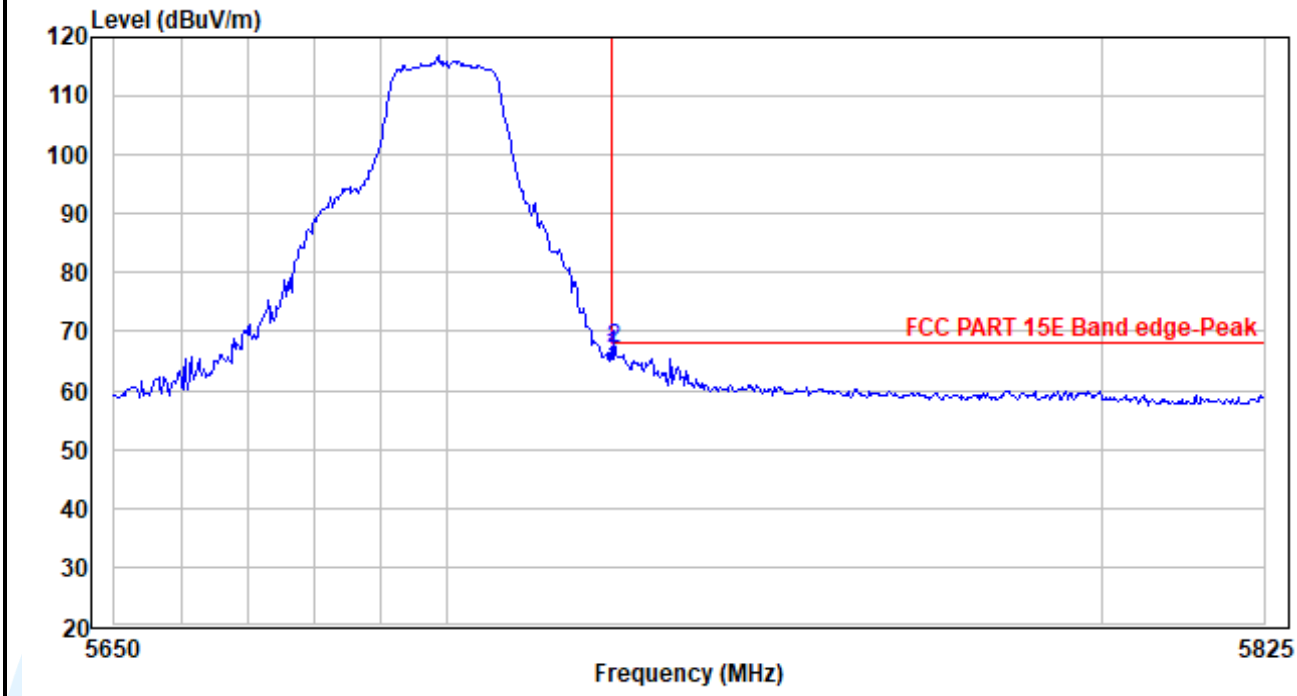
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	59.33	68.20	47.30	54.00	PASS
5468.236	63.94	68.20	--	--	PASS
5470.000	62.80	68.20	48.77	68.20	PASS

Test Channel:	Channel 100	Ant. Polar. :	Vertical



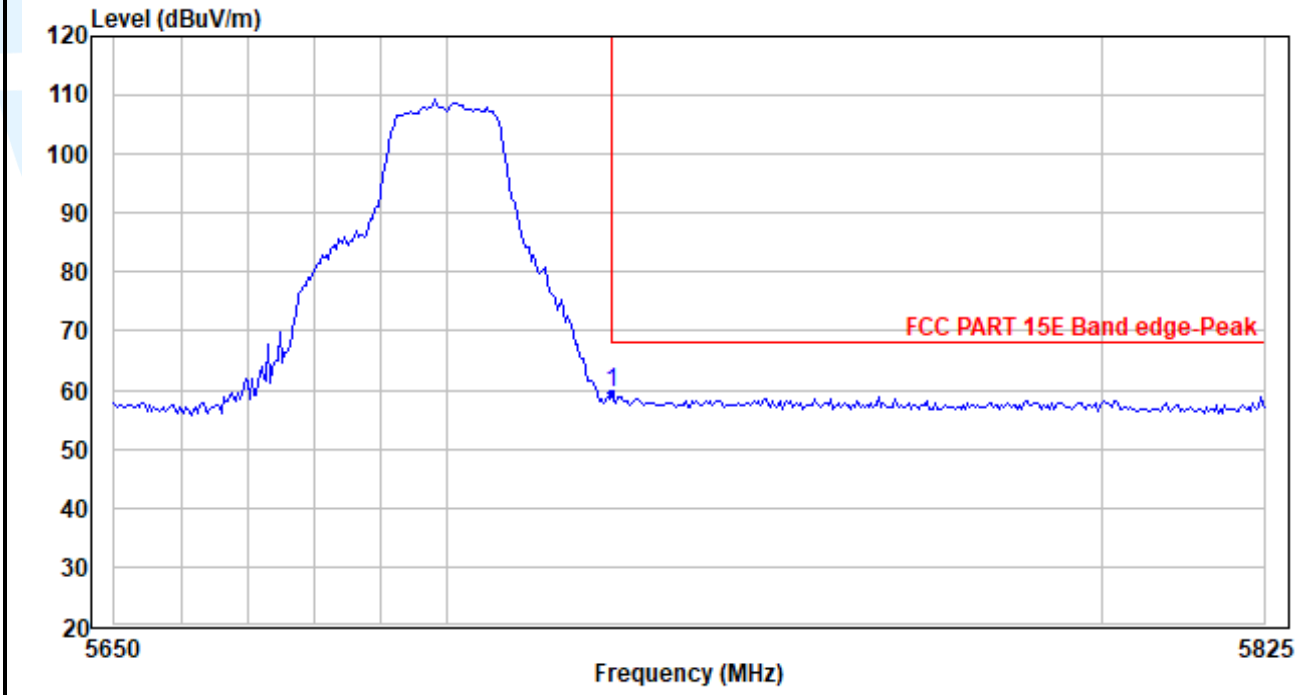
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	57.23	68.20	44.53	54.00	PASS
5468.637	59.93	68.20	--	--	PASS
5470.000	57.86	68.20	45.08	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Horizontal



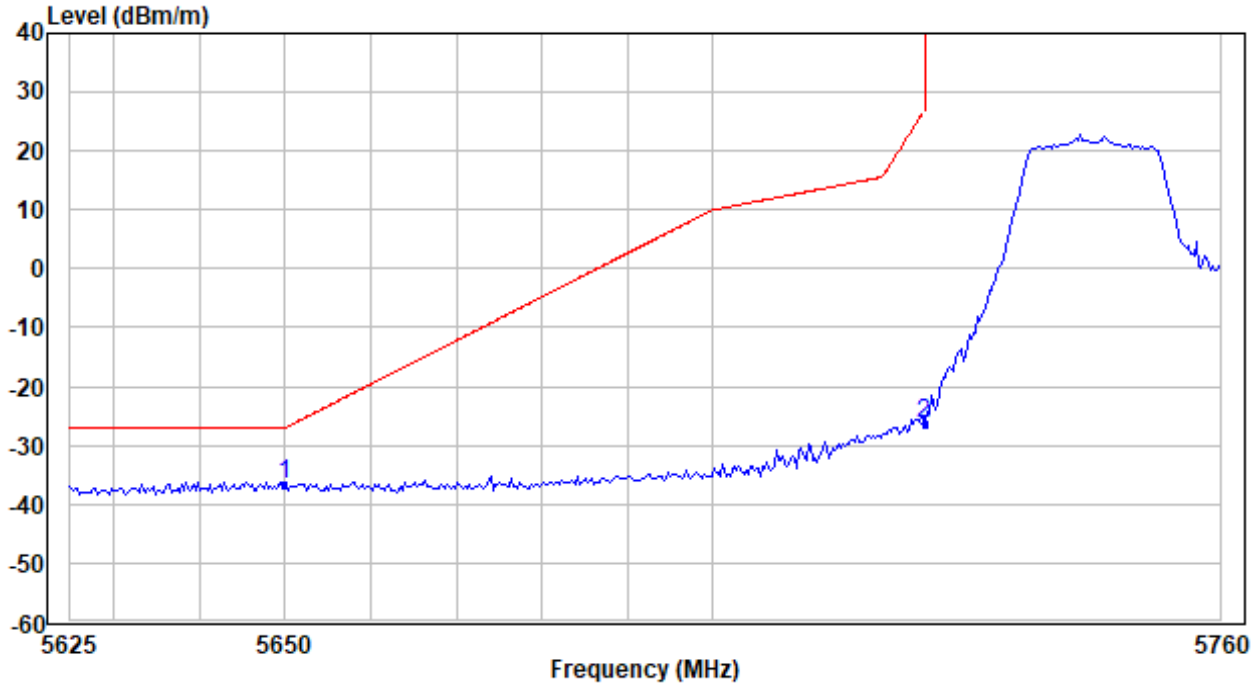
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	66.03	68.20	PASS
5725.401	67.02	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Vertical



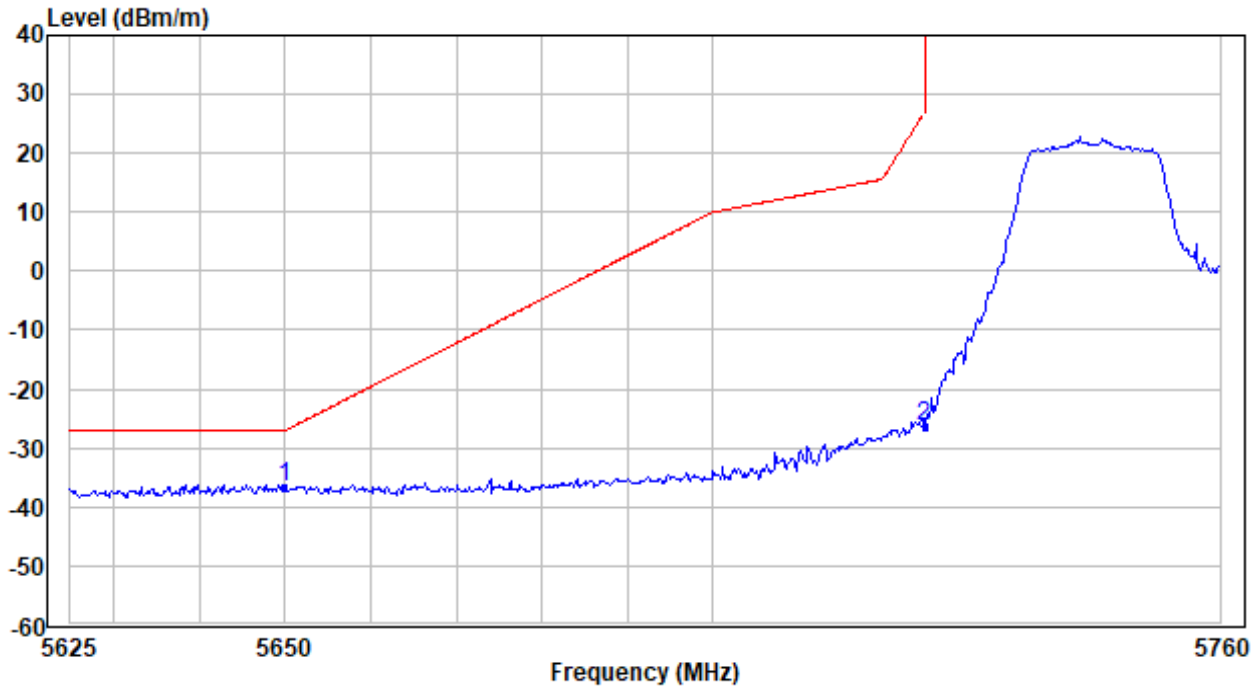
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	59.58	68.20	PASS

Test Channel:	Channel 149	Ant. Polar. :	Horizontal



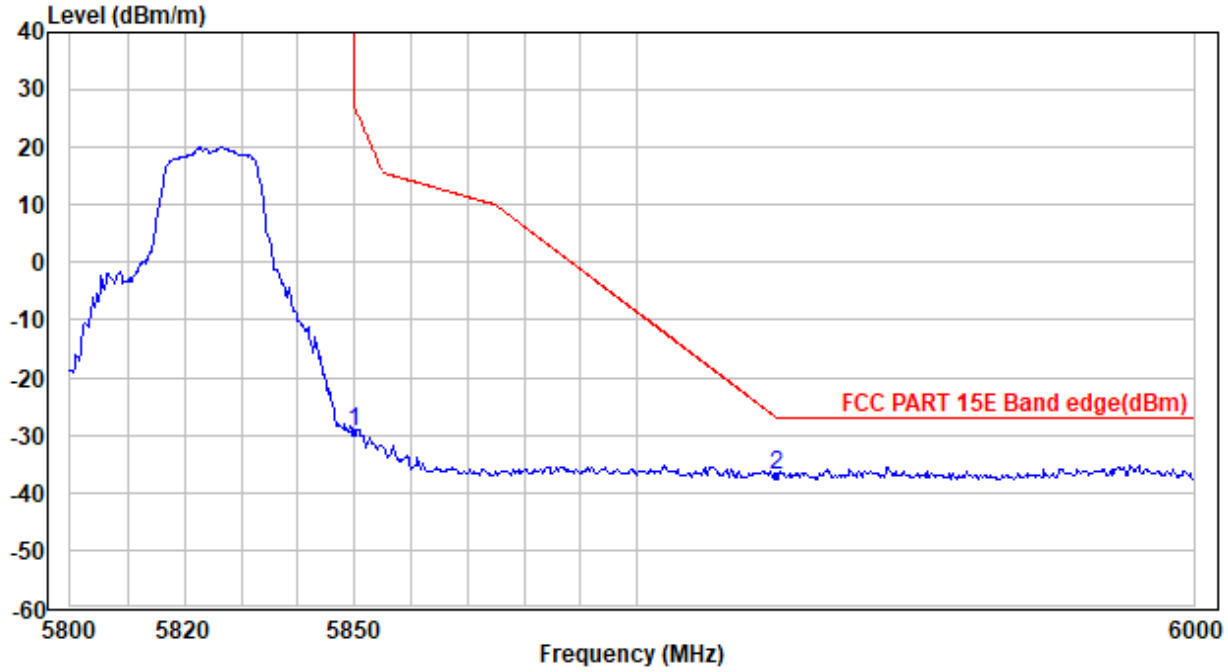
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-36.57	-27.00	PASS
5725.000	-26.15	27.00	PASS

Test Channel:	Channel 149	Ant. Polar. :	Vertical



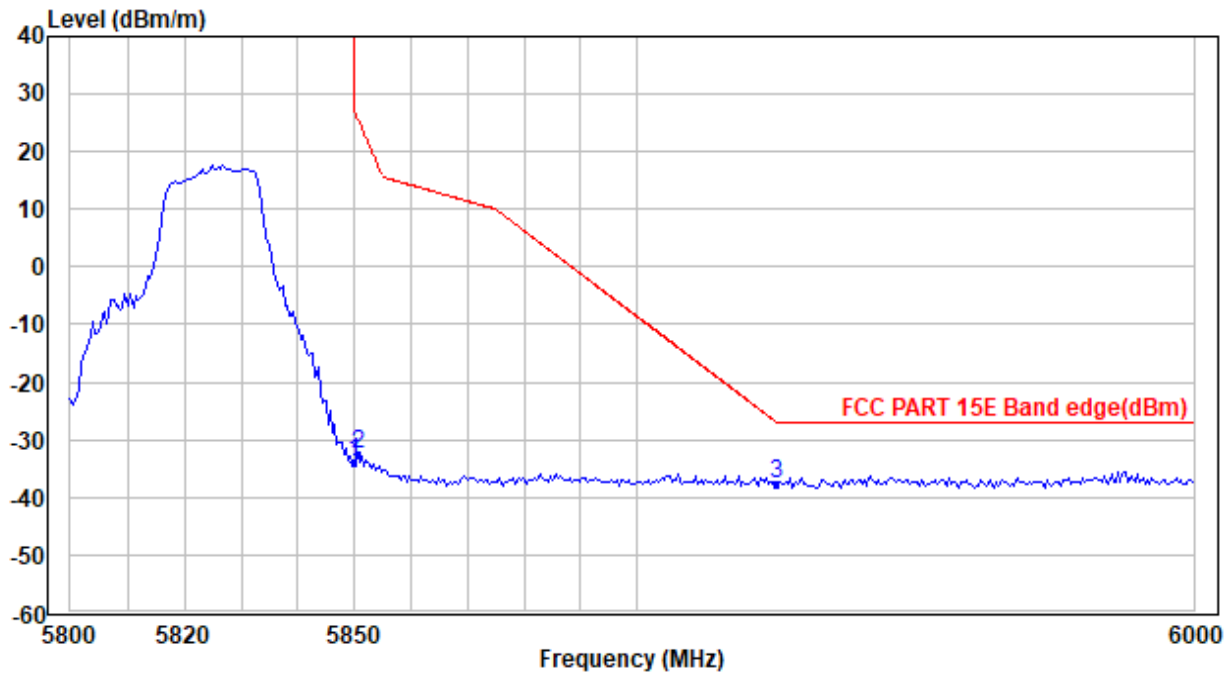
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-36.71	-27.00	PASS
5725.000	-26.15	27.00	PASS

Test Channel:	Channel 165	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-29.38	27.00	PASS
5925.000	-37.14	-27.00	PASS

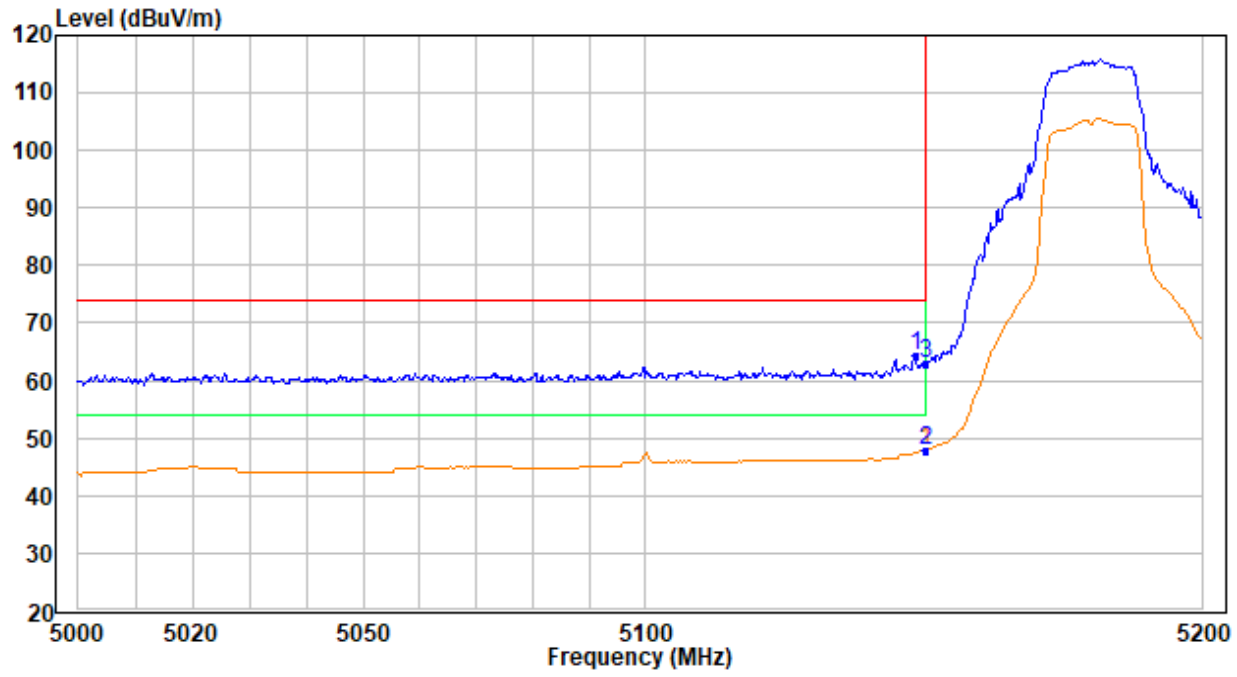
Test Channel:	Channel 165	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-33.79	27.00	PASS
5850.501	-32.63	25.86	PASS
5925.000	-37.64	-27.00	PASS

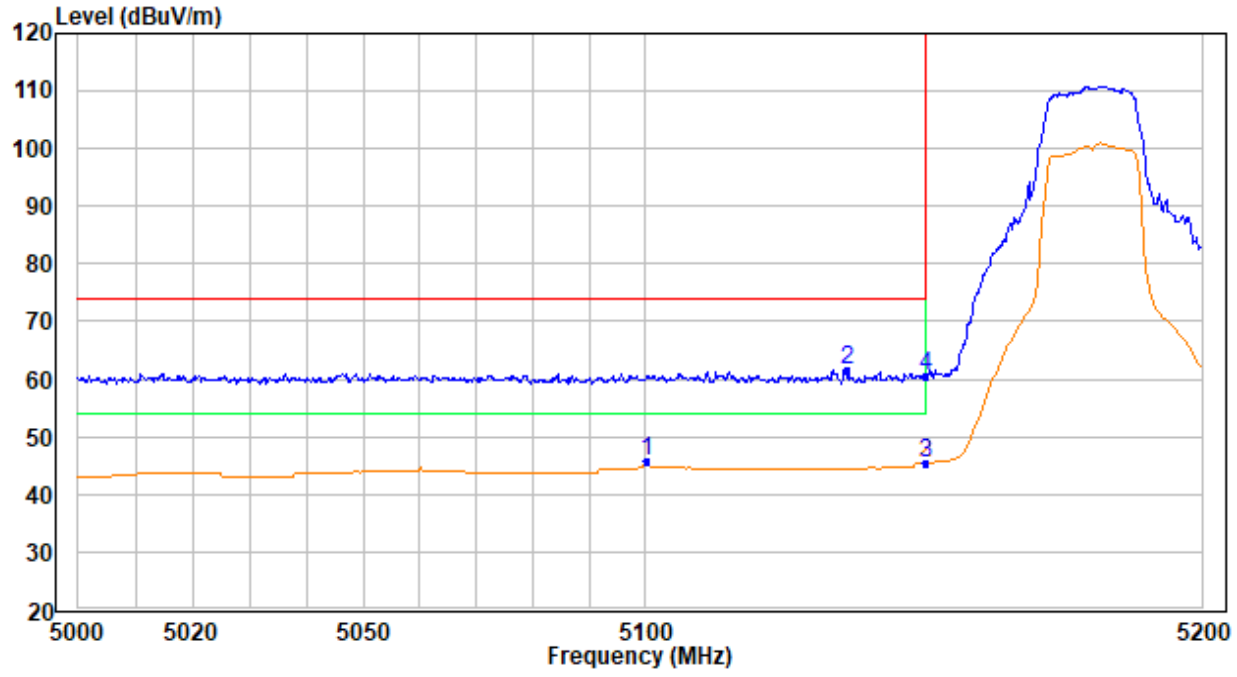
Antenna 2_IEEE 802.11a

Test Channel:	Channel 36	Ant. Polar. :	Horizontal



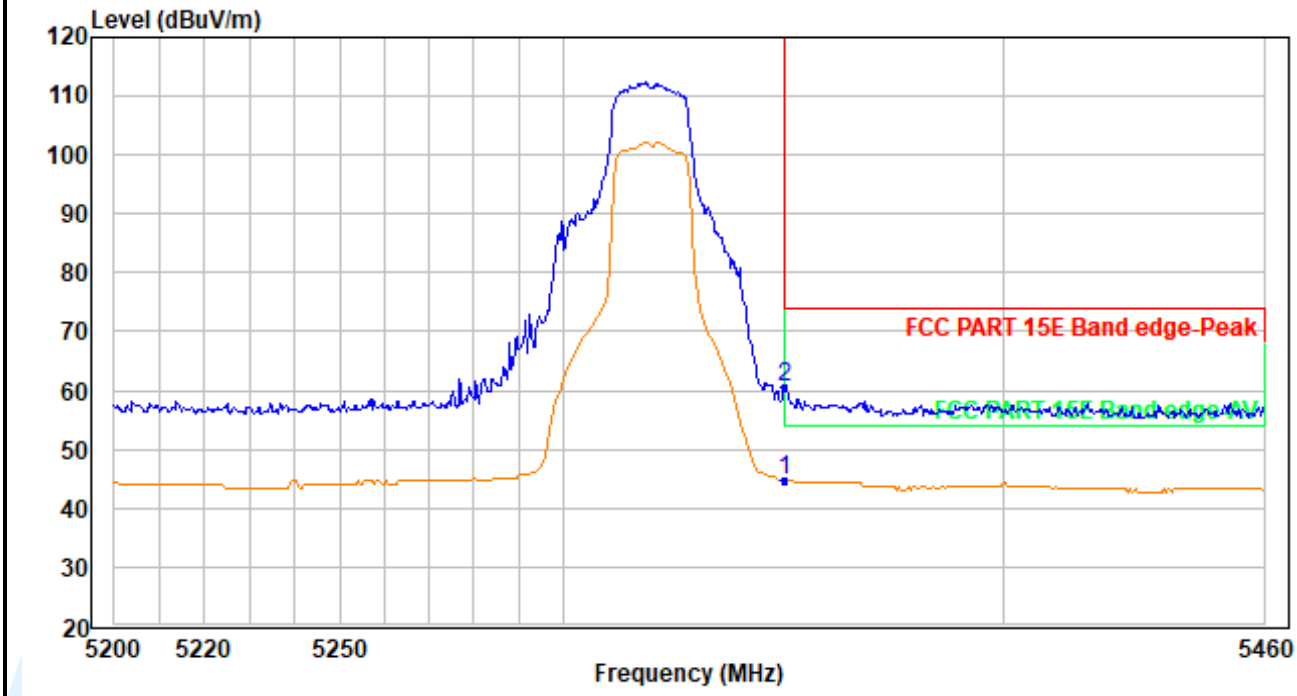
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5148.296	64.39	74.00	--	--	PASS
5150.000	63.00	74.00	47.72	54.00	PASS

Test Channel:	Channel 36	Ant. Polar. :	Vertical



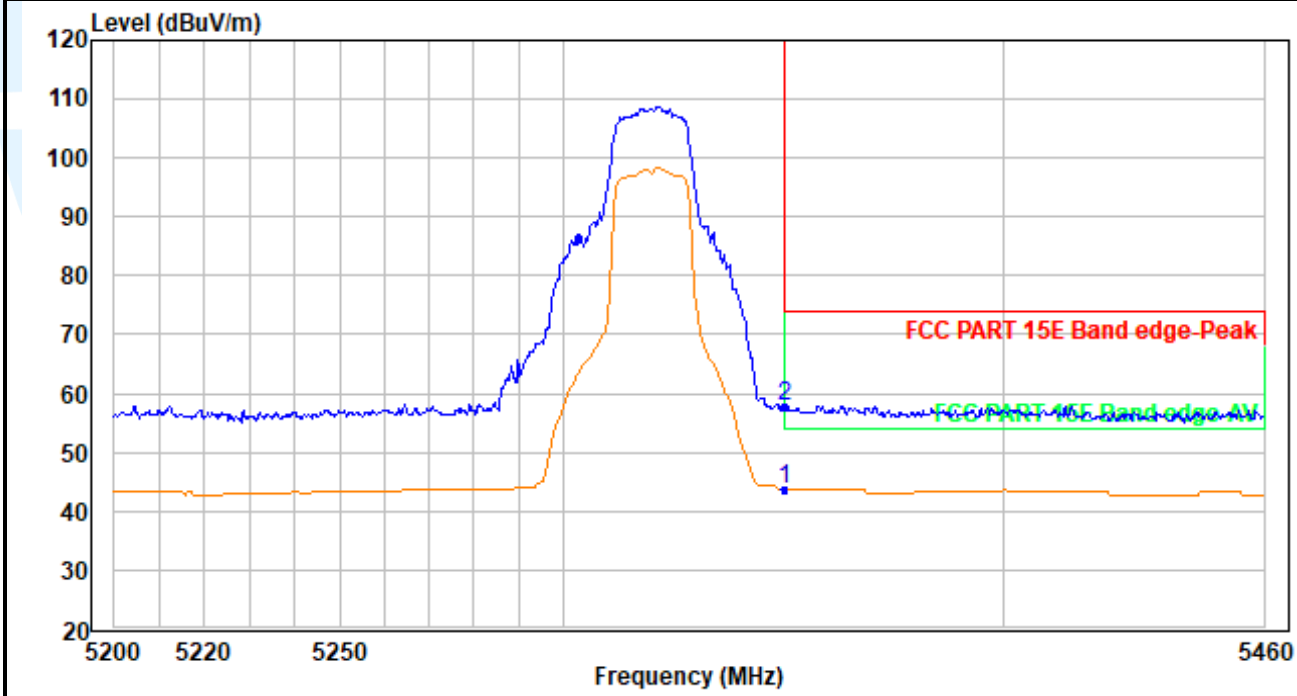
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5100.200	--	--	45.68	54.00	PASS
5135.872	61.74	74.00	--	--	PASS
5150.000	60.51	74.00	45.34	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Horizontal



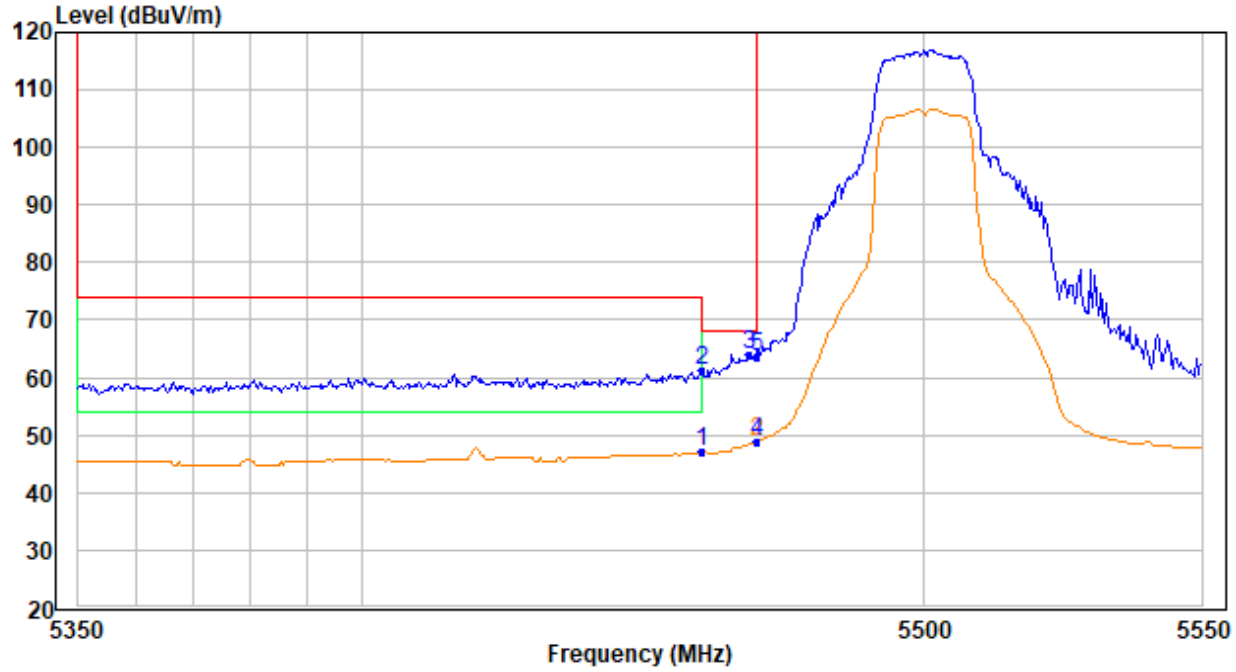
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	60.62	74.00	44.82	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Vertical



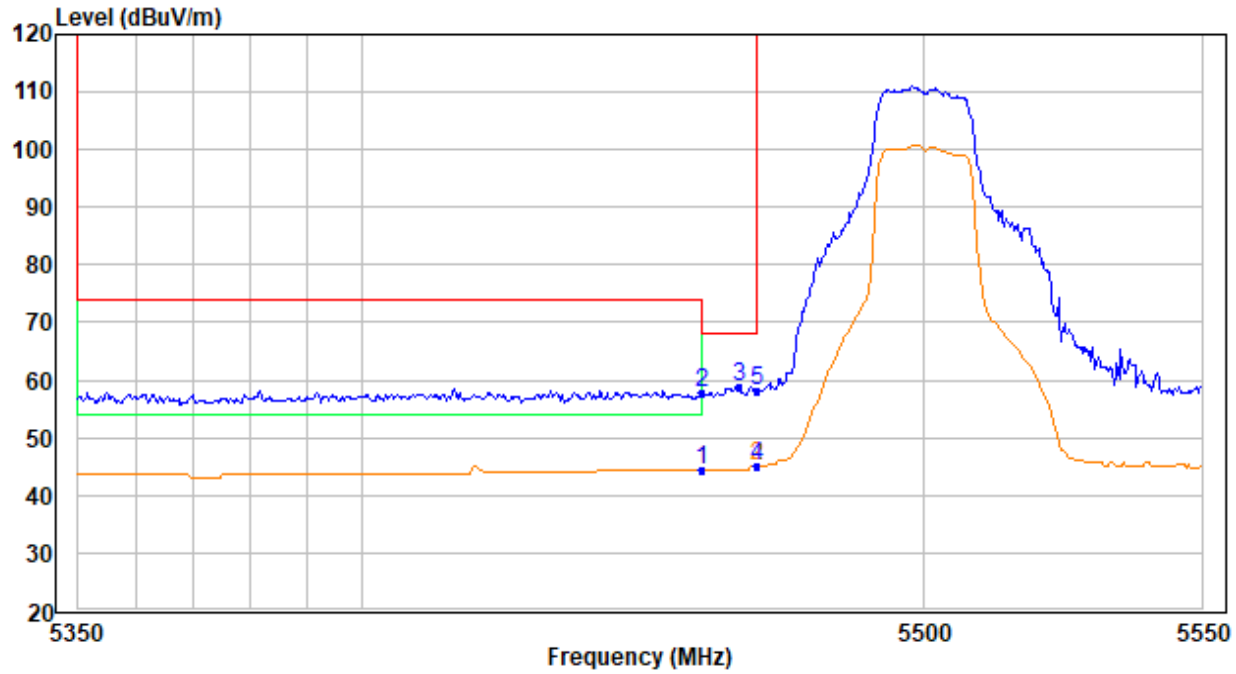
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	57.82	74.00	43.73	54.00	PASS

Test Channel:	Channel 100	Ant. Polar. :	Horizontal



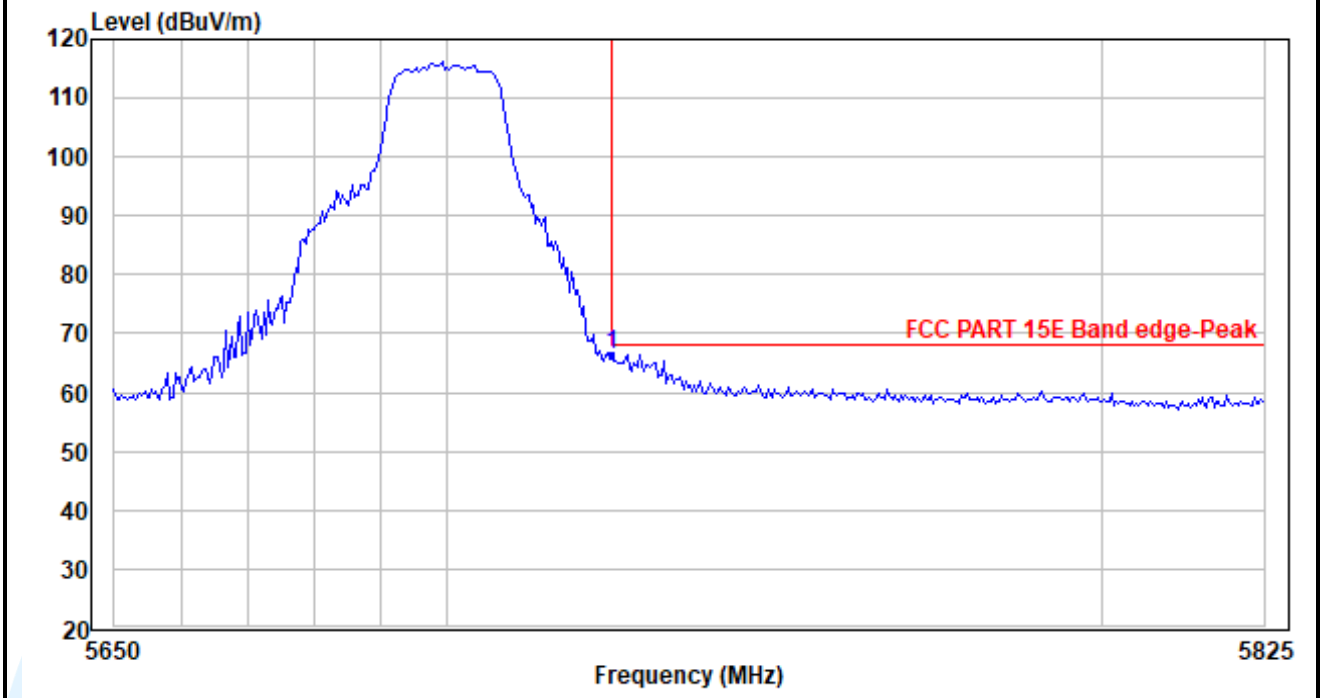
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	61.20	68.20	47.30	54.00	PASS
5468.637	64.05	68.20	--	--	PASS
5470.000	63.52	68.20	48.77	68.20	PASS

Test Channel:	Channel 100	Ant. Polar. :	Vertical



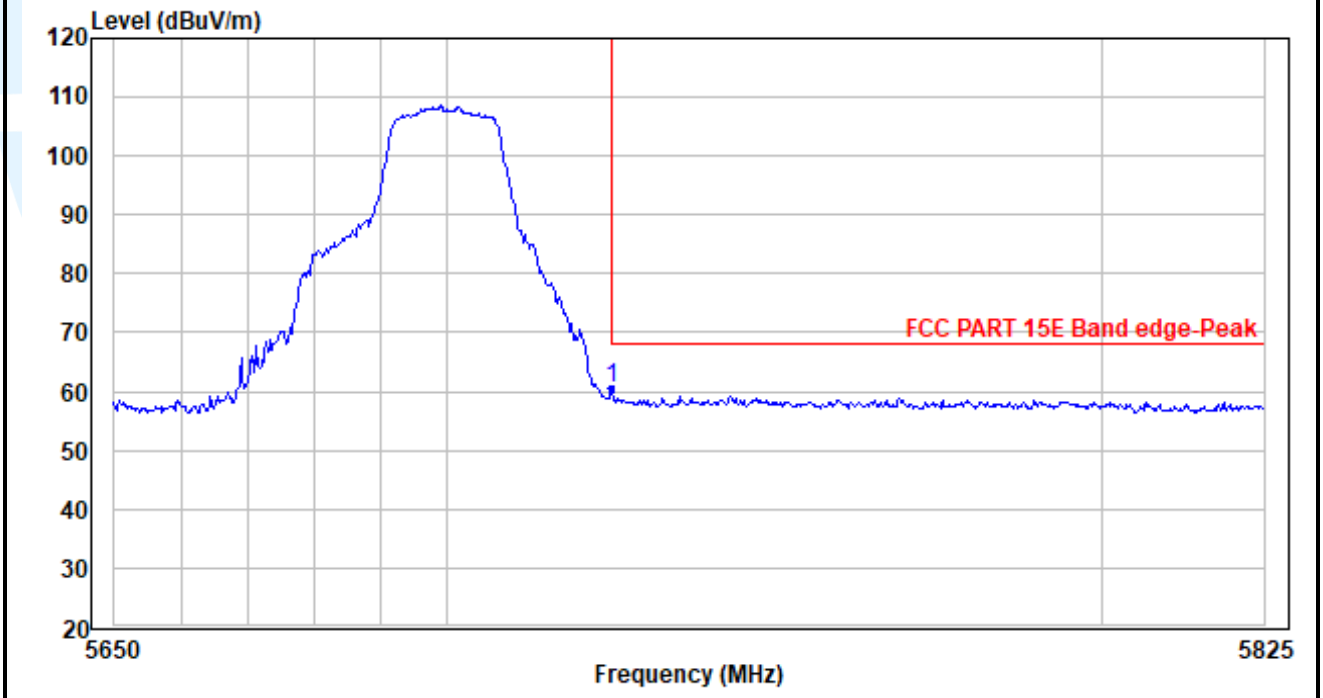
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	57.84	68.20	44.53	54.00	PASS
5466.633	58.95	68.20	--	--	PASS
5470.000	58.31	68.20	45.08	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Horizontal



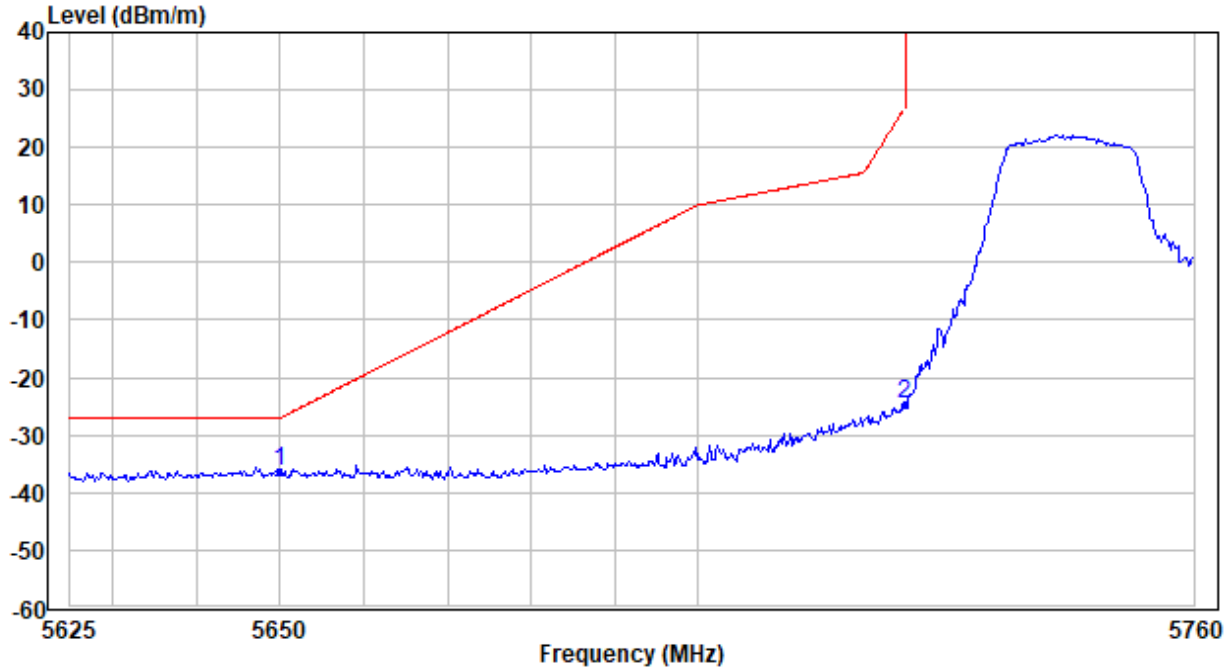
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	66.46	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Vertical



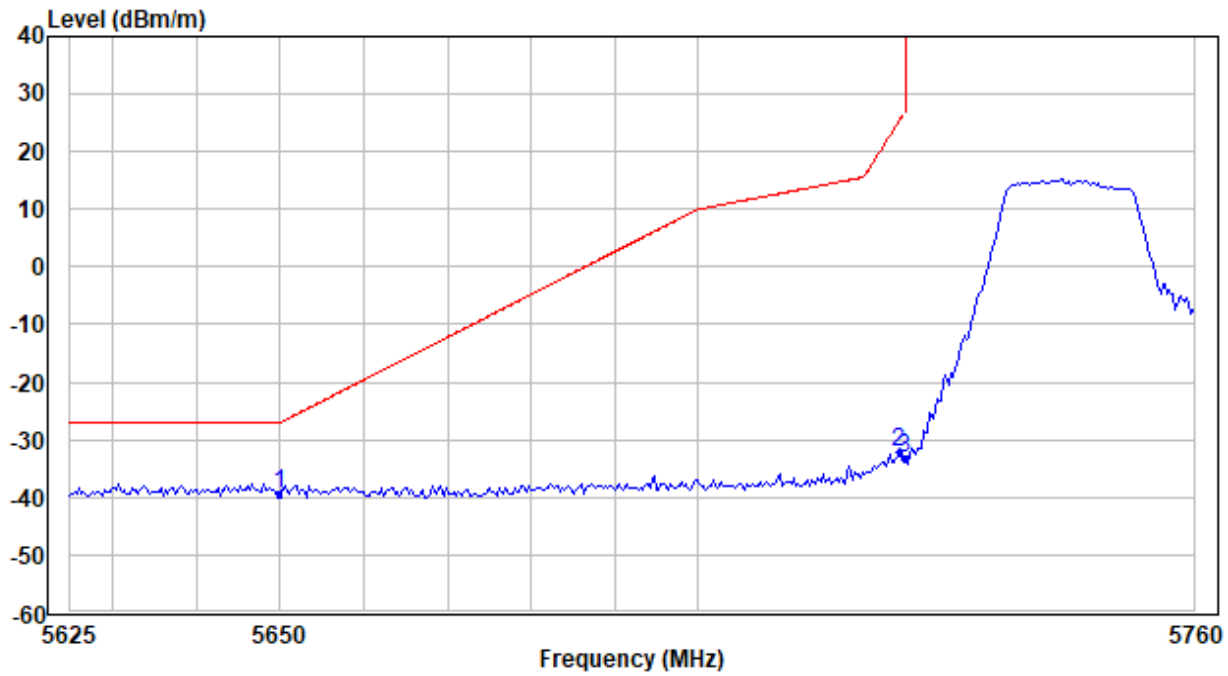
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	60.42	68.20	PASS

Test Channel:	Channel 149	Ant. Polar. :	Horizontal



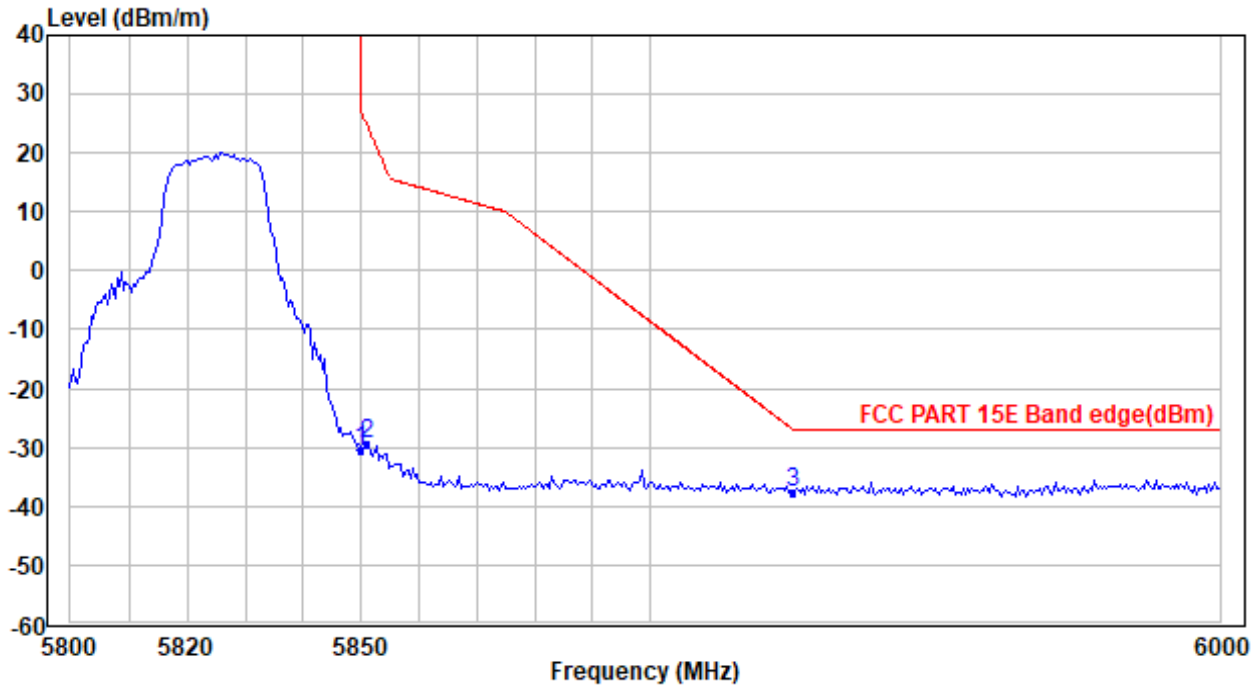
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-36.27	-27.00	PASS
5725.000	-24.52	27.00	PASS

Test Channel:	Channel 149	Ant. Polar. :	Vertical



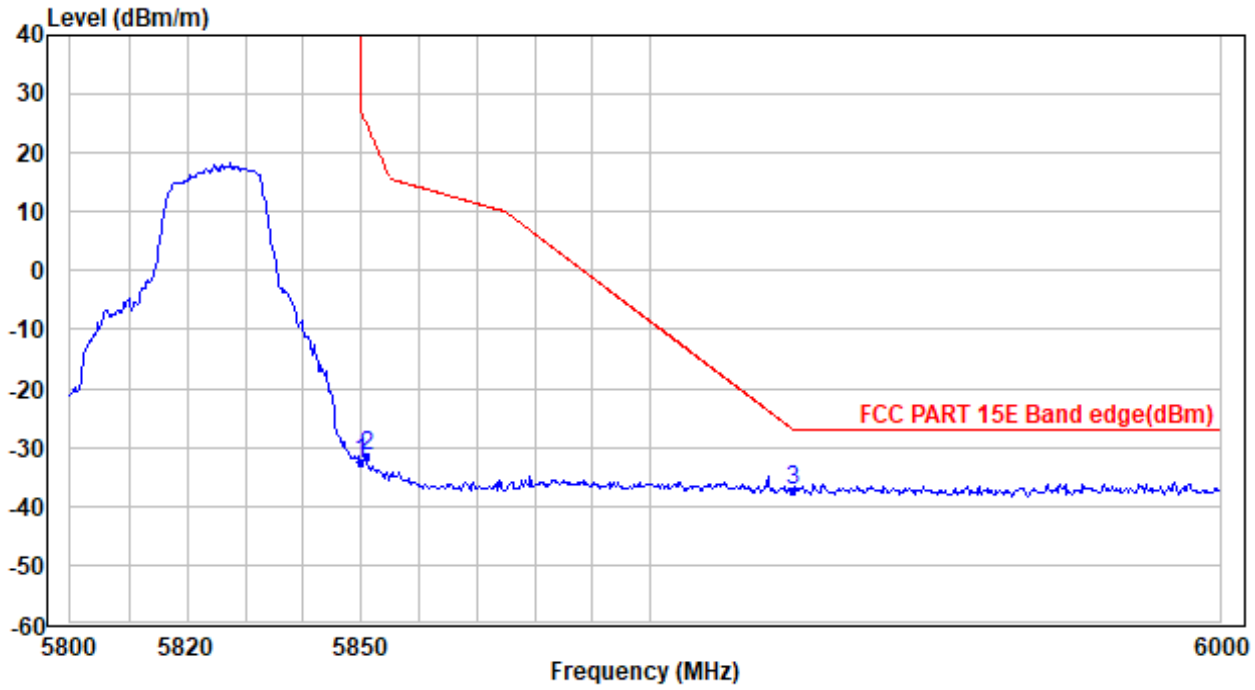
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-39.55	-27.00	PASS
5724.289	-32.17	25.38	PASS
5725.000	-33.11	27.00	PASS

Test Channel:	Channel 165	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-30.47	27.00	PASS
5850.902	-29.56	24.94	PASS
5925.000	-37.58	-27.00	PASS

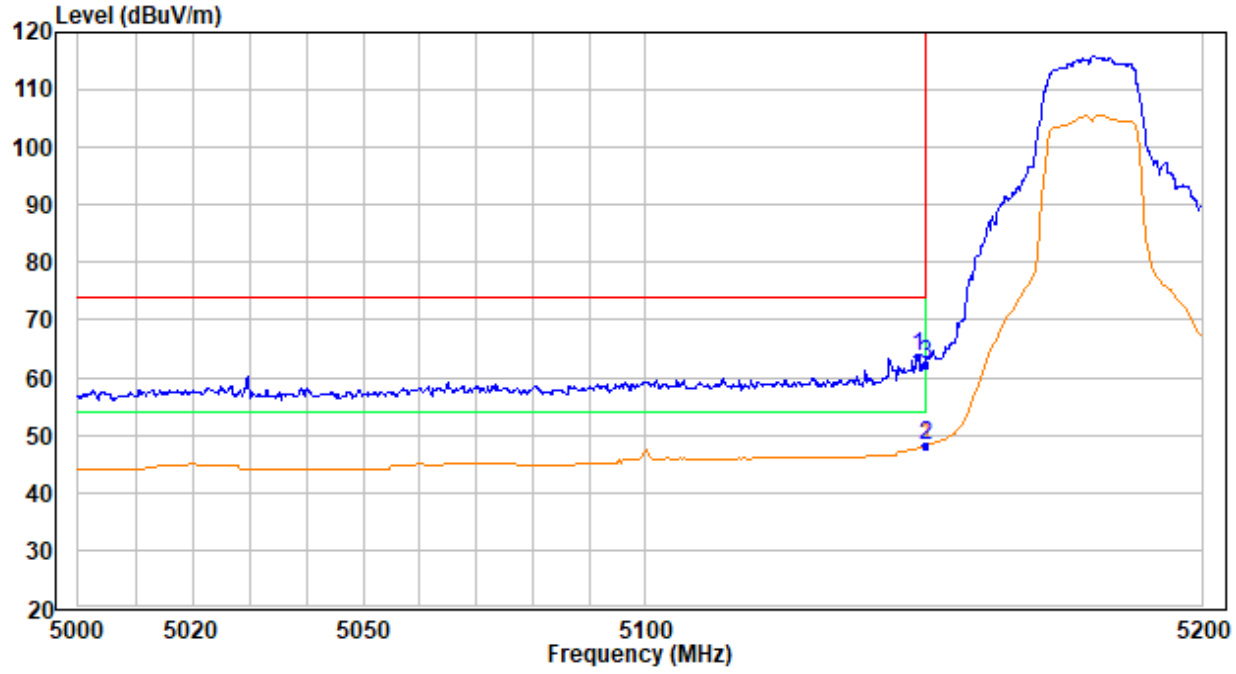
Test Channel:	Channel 165	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-32.51	27.00	PASS
5850.902	-31.63	24.94	PASS
5925.000	-37.23	-27.00	PASS

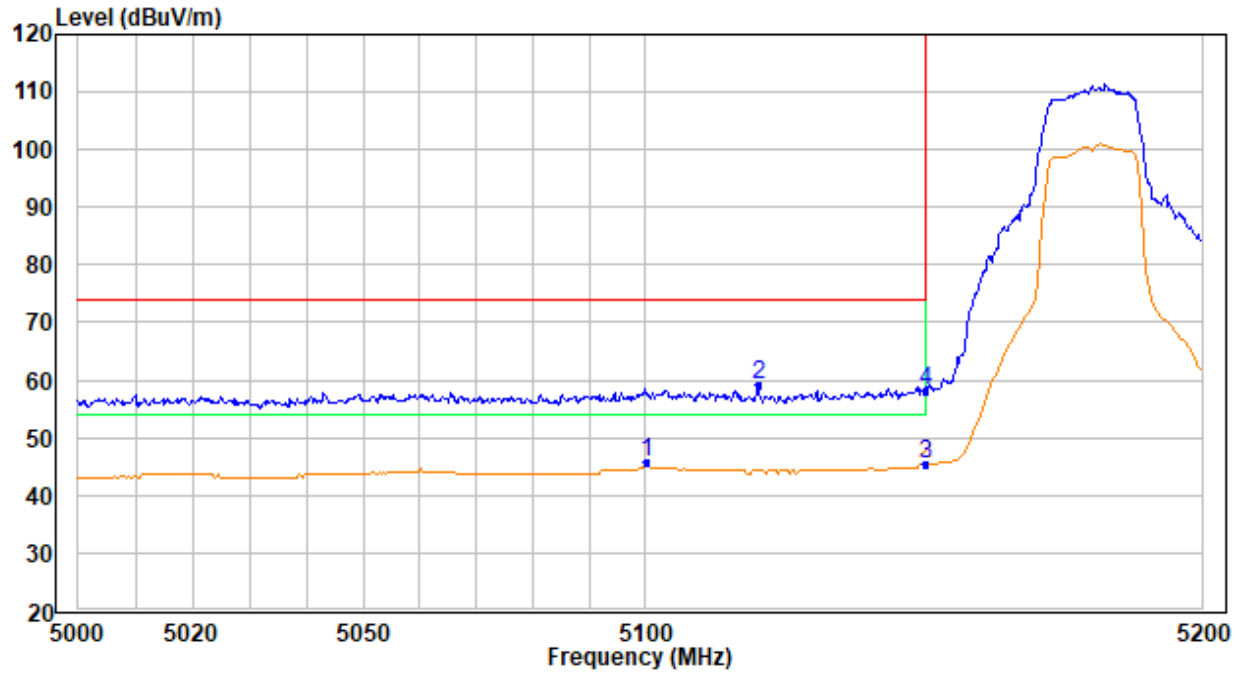
Antenna 3_IEEE 802.11a

Test Channel:	Channel 36	Ant. Polar. :	Horizontal



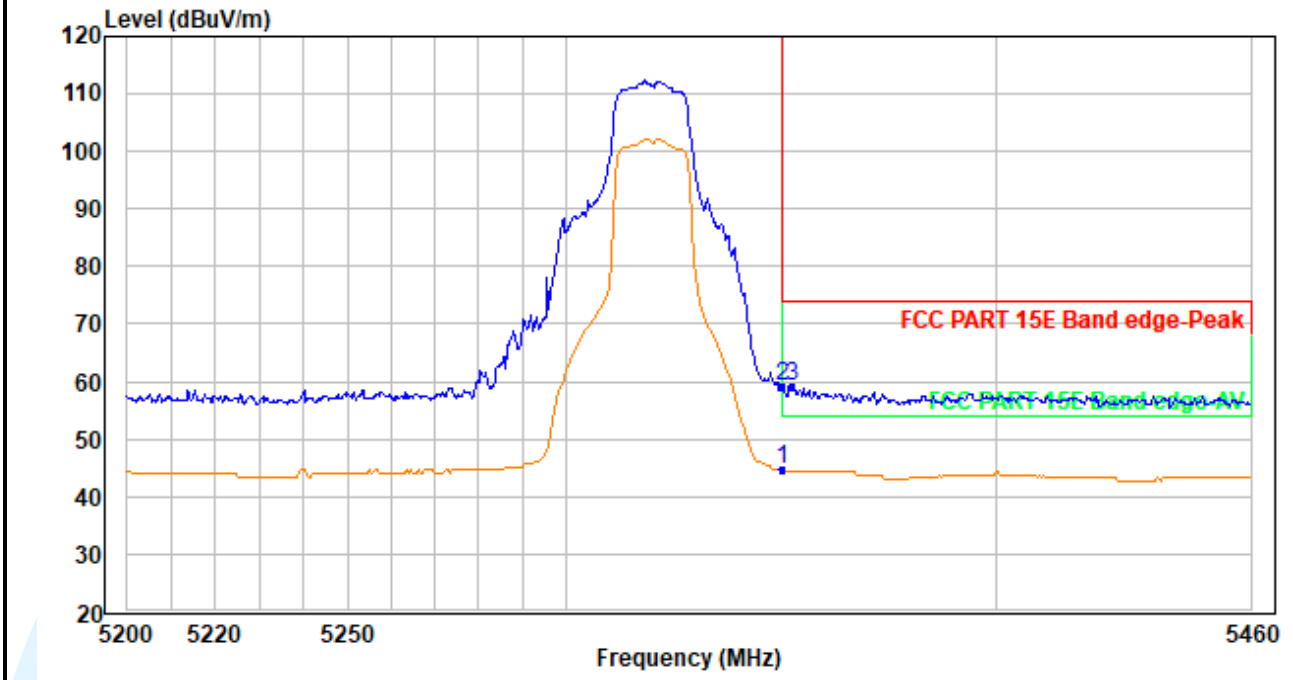
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5148.697	63.68	74.00	--	--	PASS
5150.000	62.27	74.00	48.07	54.00	PASS

Test Channel:	Channel 36	Ant. Polar. :	Vertical



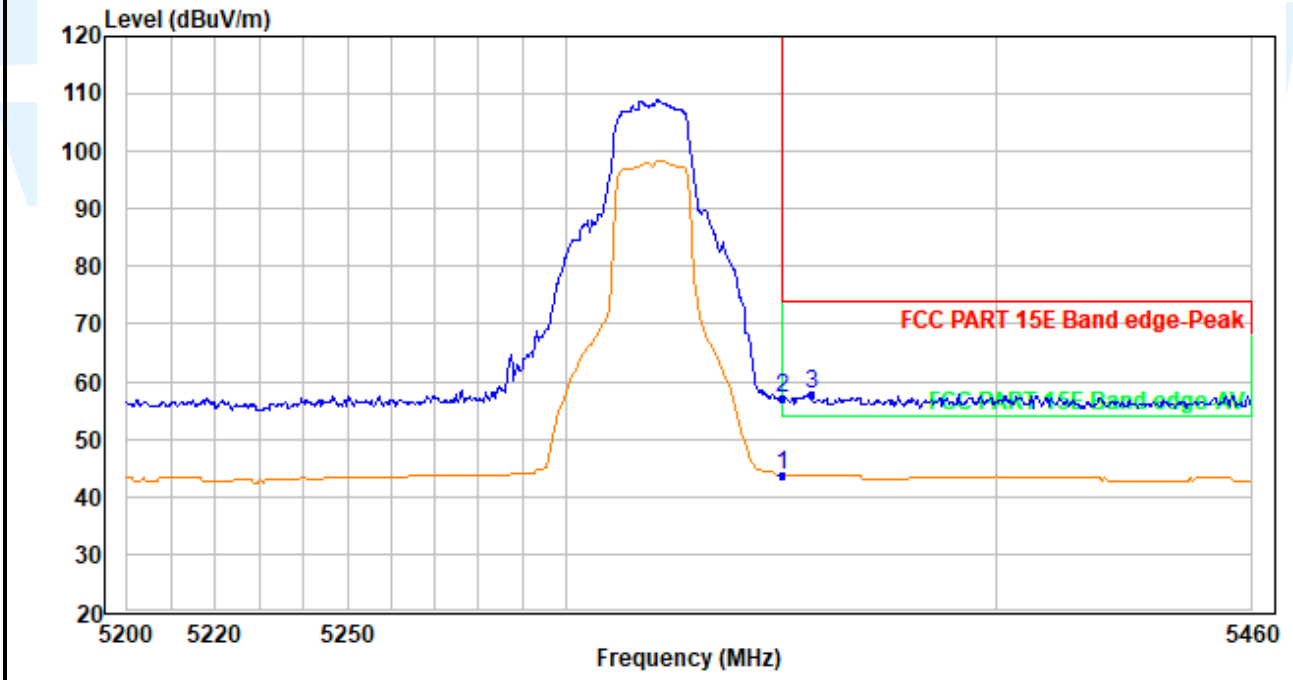
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5100.200	--	--	45.68	54.00	PASS
5120.241	59.01	74.00	--	--	PASS
5150.000	58.07	74.00	45.34	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Horizontal



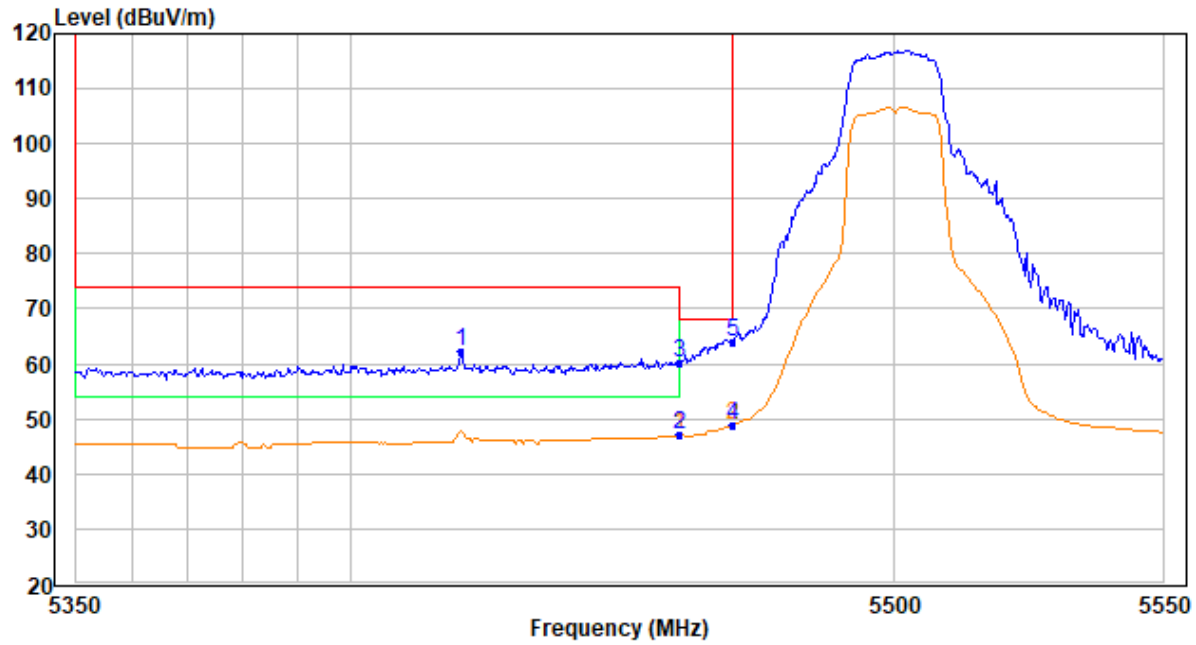
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	59.02	74.00	44.82	54.00	PASS
5352.145	59.18	74.00	--	--	PASS

Test Channel:	Channel 64	Ant. Polar. :	Vertical



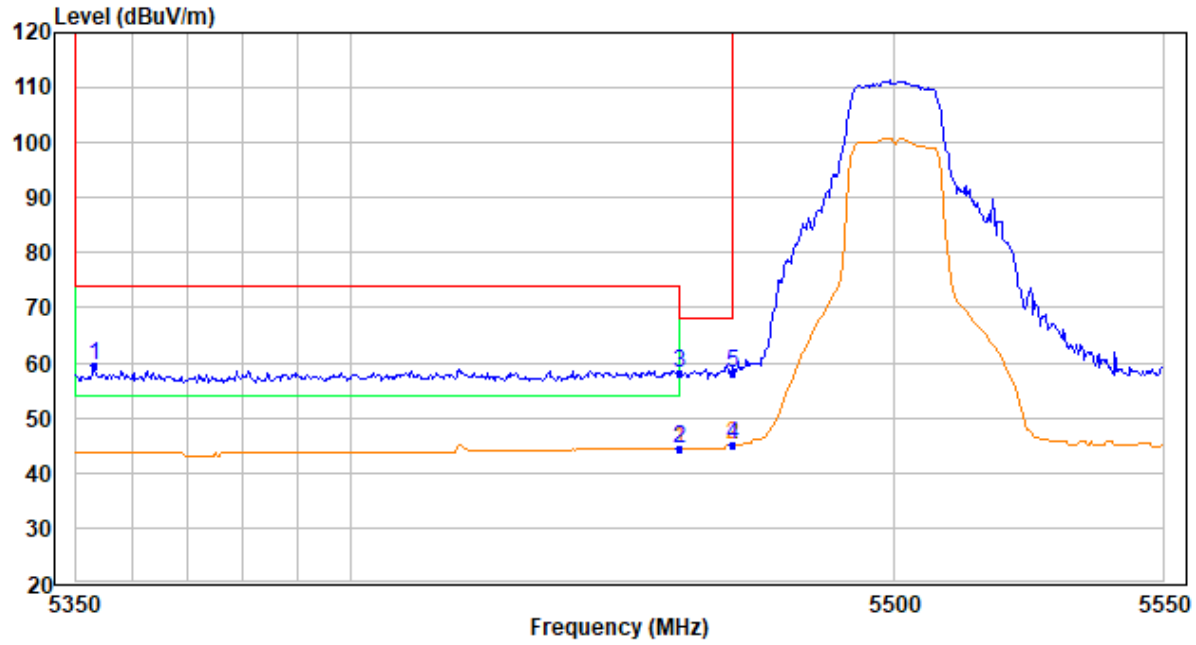
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	57.11	74.00	43.73	54.00	PASS
5356.833	57.95	74.00	--	--	PASS

Test Channel:	Channel 100	Ant. Polar. :	Horizontal



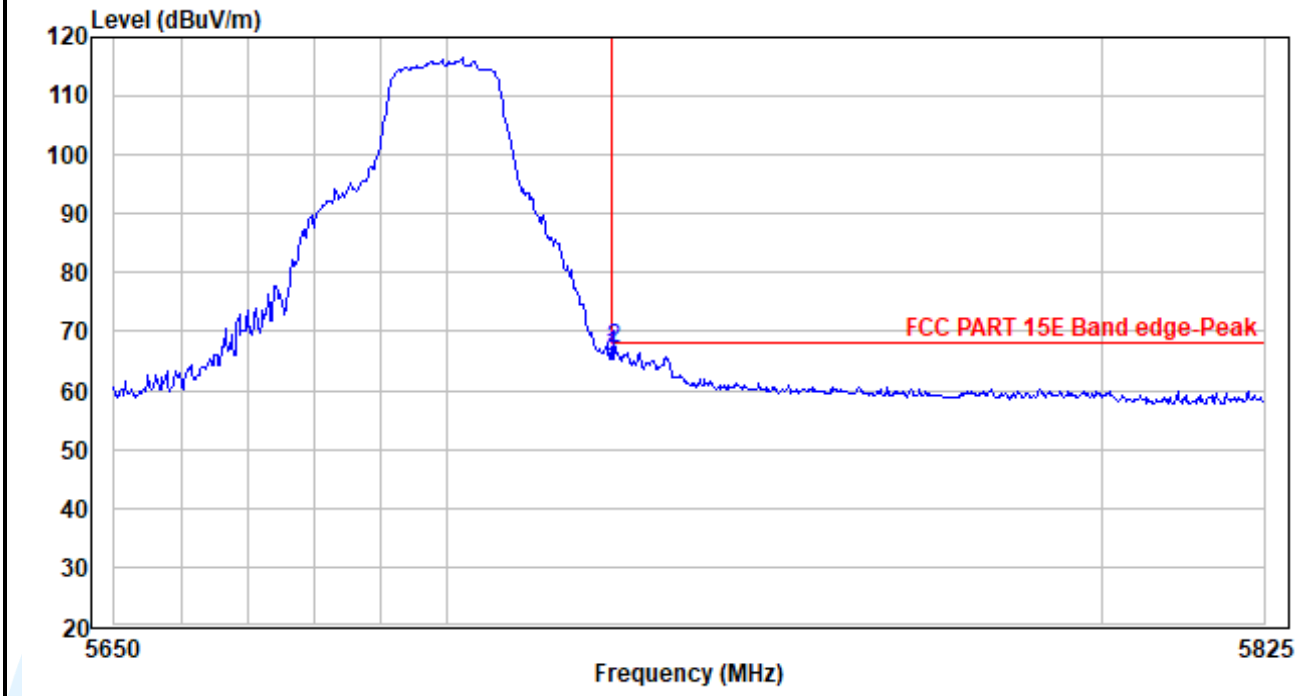
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5420.140	62.16	74.00	--	--	PASS
5460.000	60.28	68.20	47.30	54.00	PASS
5470.000	64.11	68.20	48.77	68.20	PASS

Test Channel:	Channel 100	Ant. Polar. :	Vertical



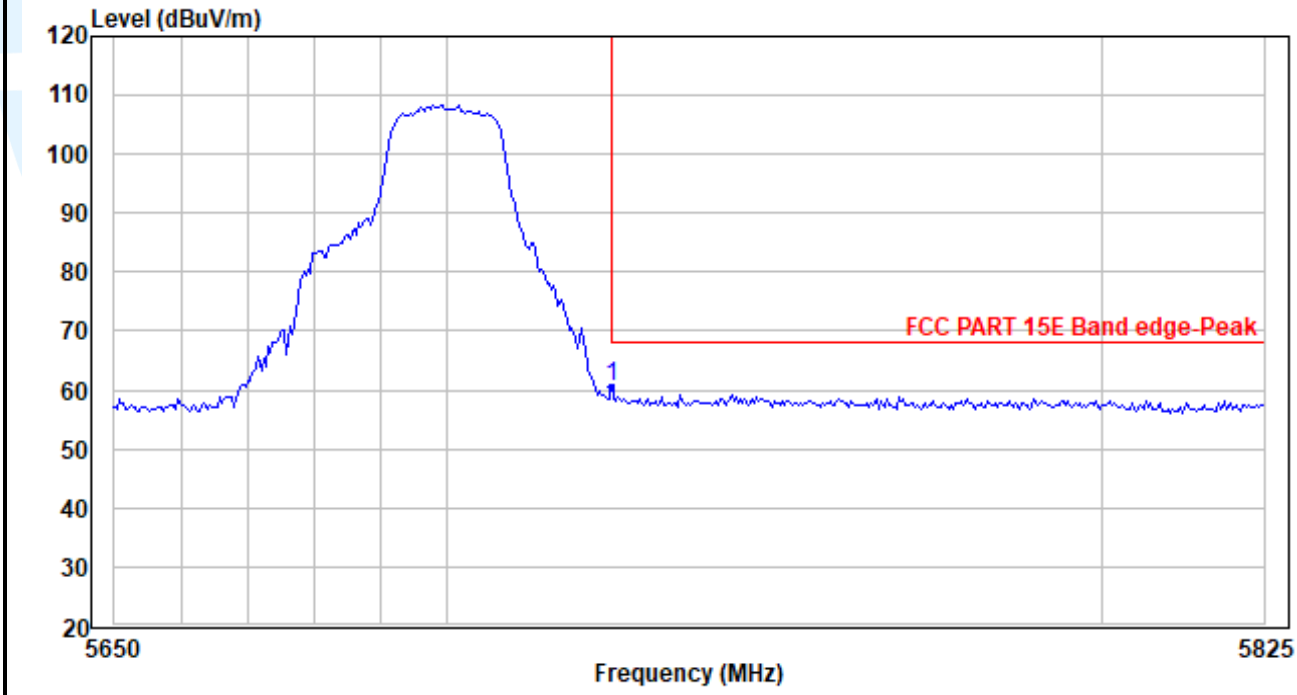
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5353.207	59.58	74.00	--	--	PASS
5460.000	57.99	68.20	44.53	54.00	PASS
5470.000	58.21	68.20	45.08	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Horizontal



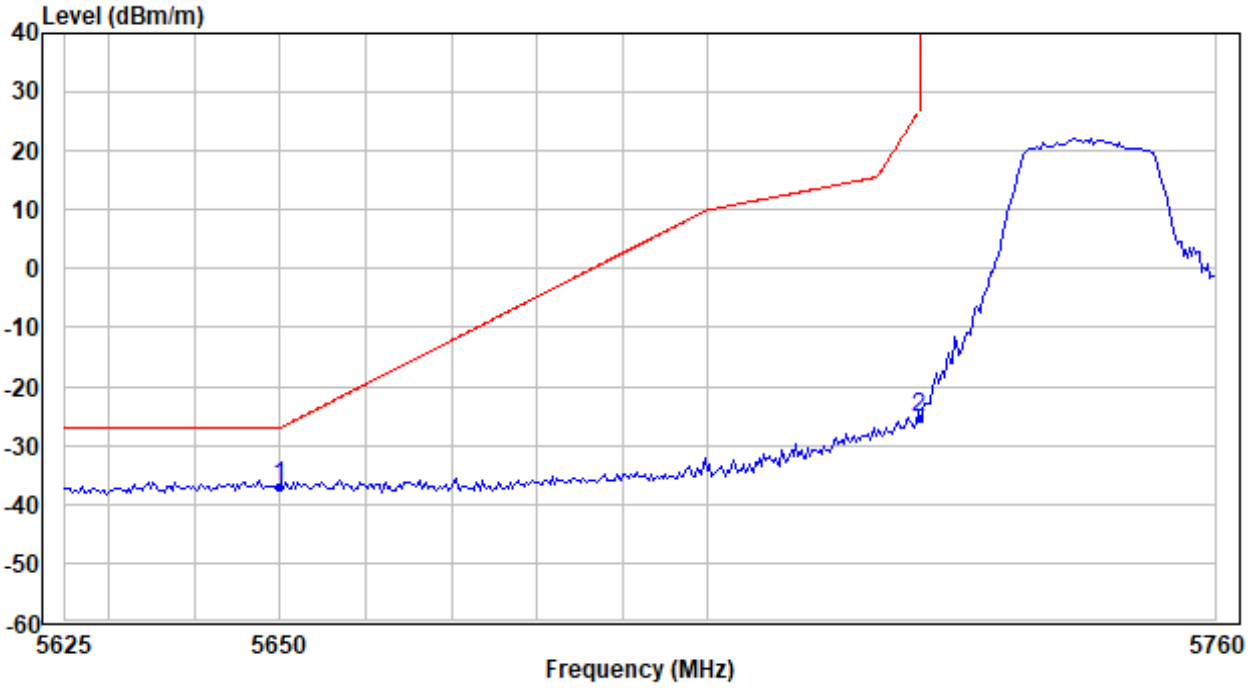
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	66.15	68.20	PASS
5725.401	67.09	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Vertical



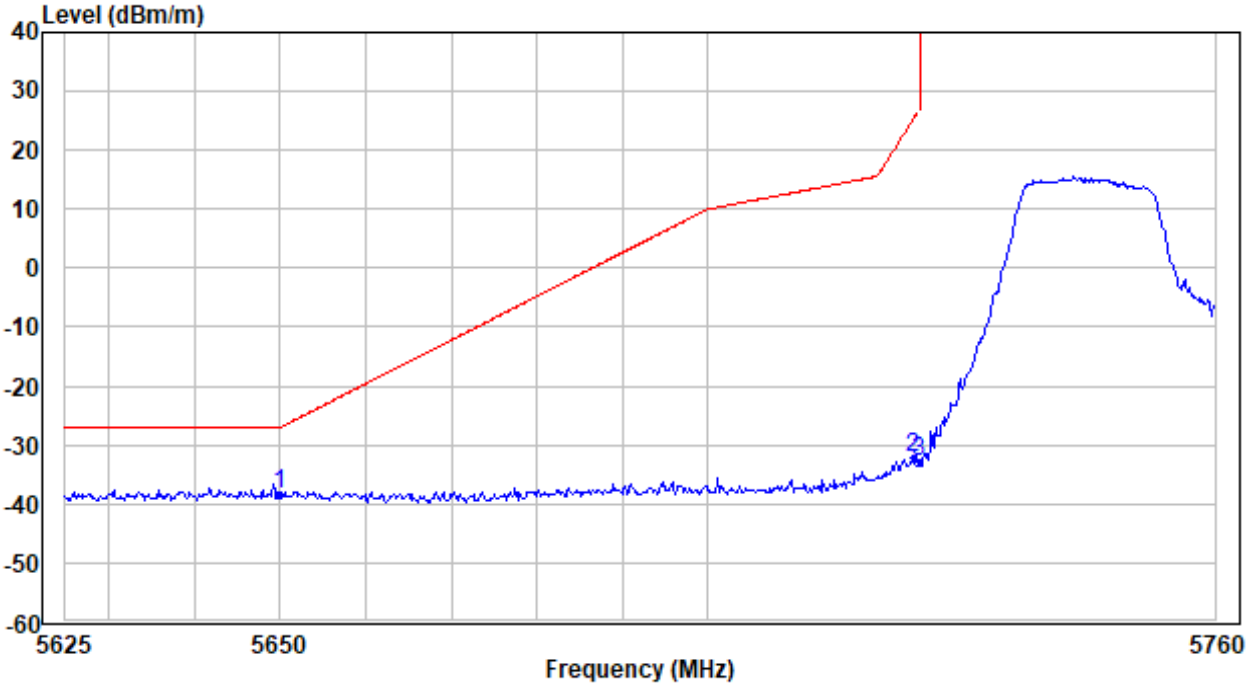
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	60.42	68.20	PASS

Test Channel:	Channel 149	Ant. Polar. :	Horizontal



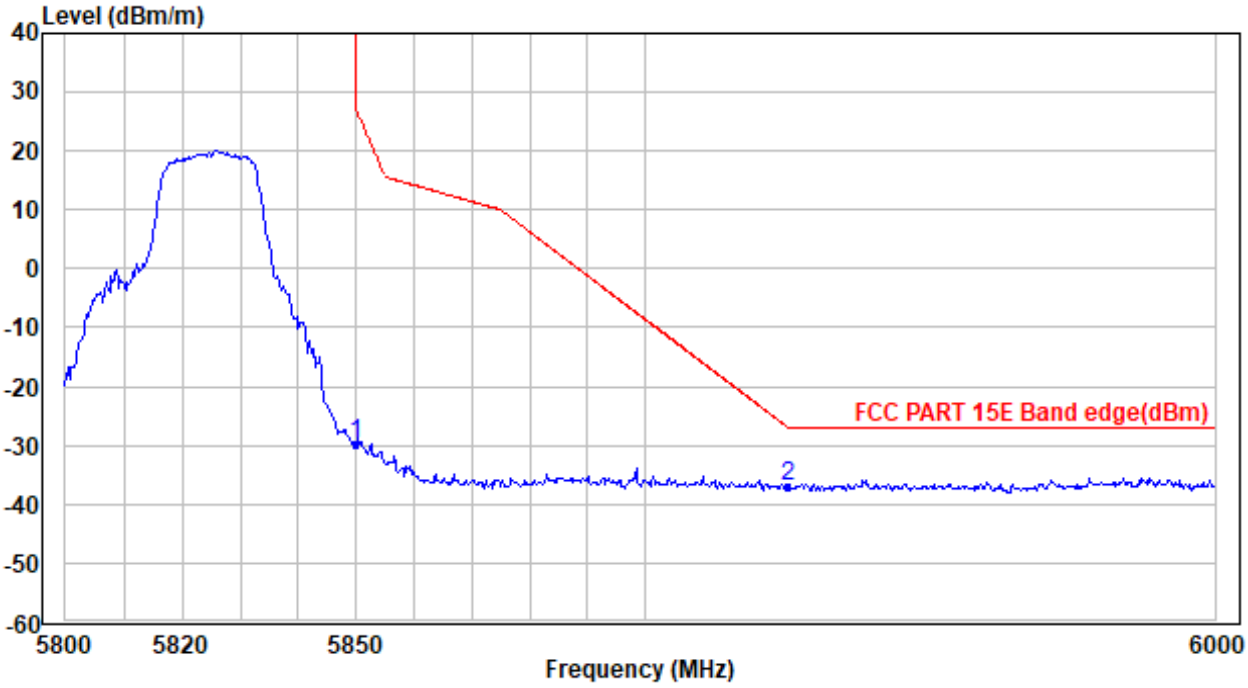
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-36.95	-27.00	PASS
5725.000	-25.13	27.00	PASS

Test Channel:	Channel 149	Ant. Polar. :	Vertical



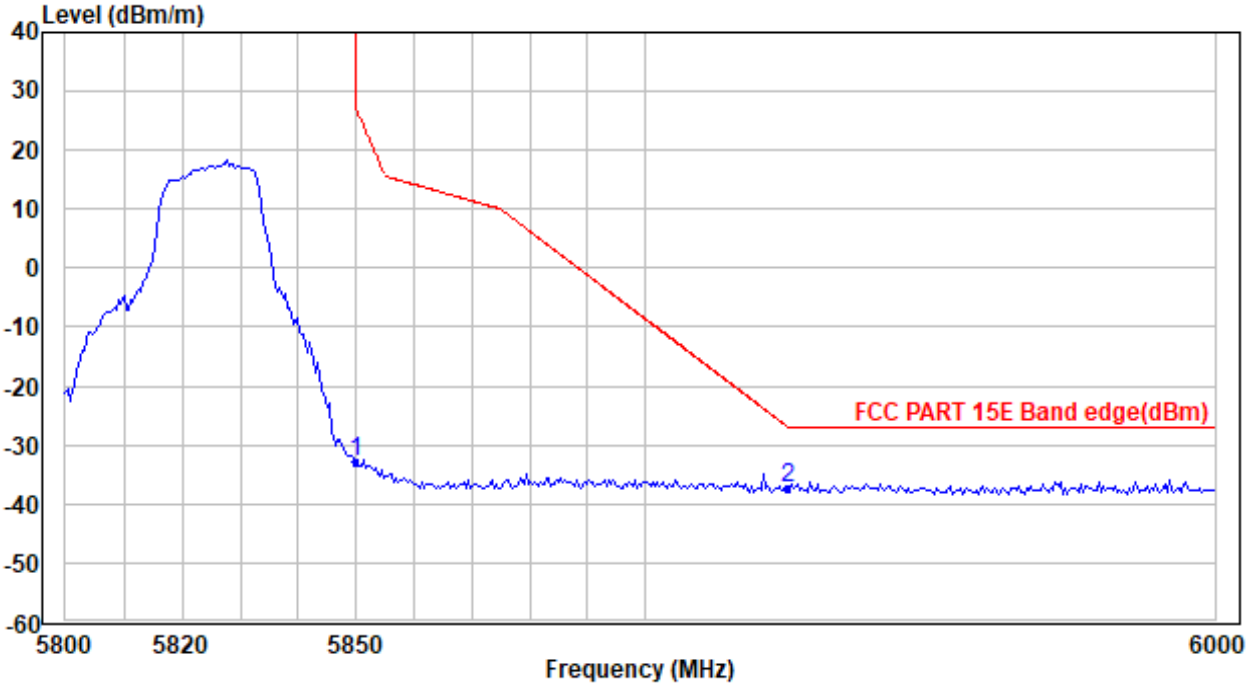
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-38.40	-27.00	PASS
5724.289	-32.17	25.38	PASS
5725.000	-32.84	27.00	PASS

Test Channel:	Channel 165	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-29.83	27.00	PASS
5925.000	-36.92	-27.00	PASS

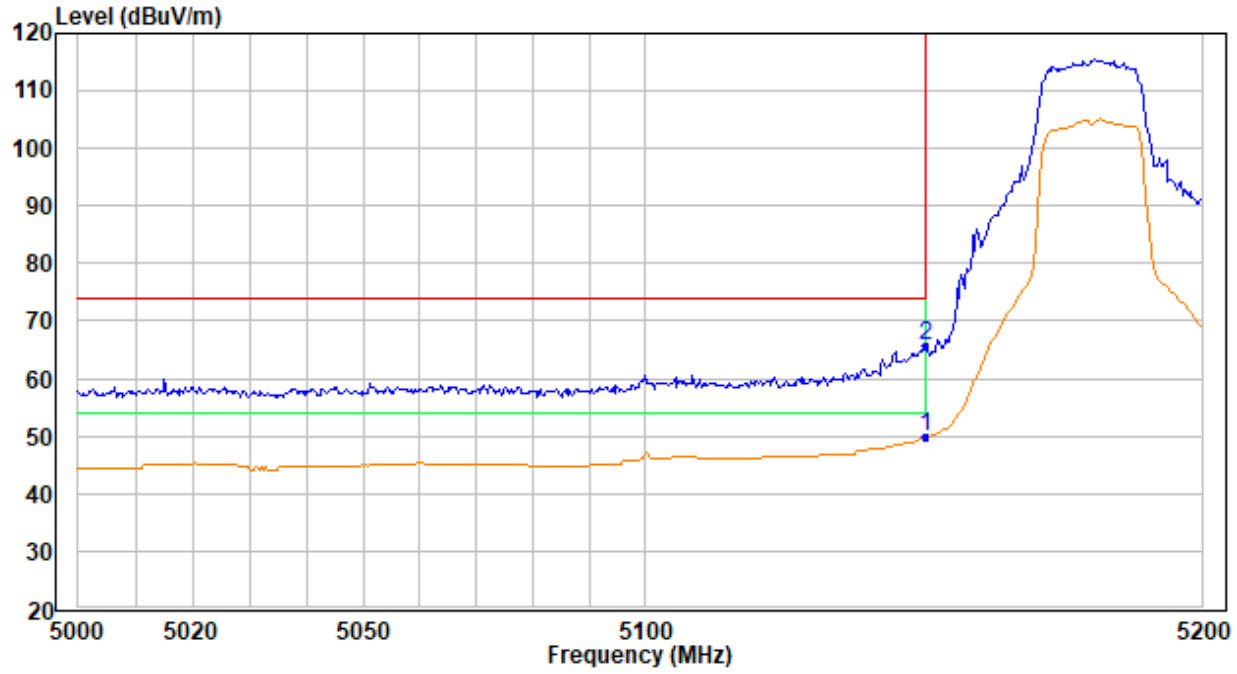
Test Channel:	Channel 165	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-32.99	27.00	PASS
5925.000	-37.23	-27.00	PASS

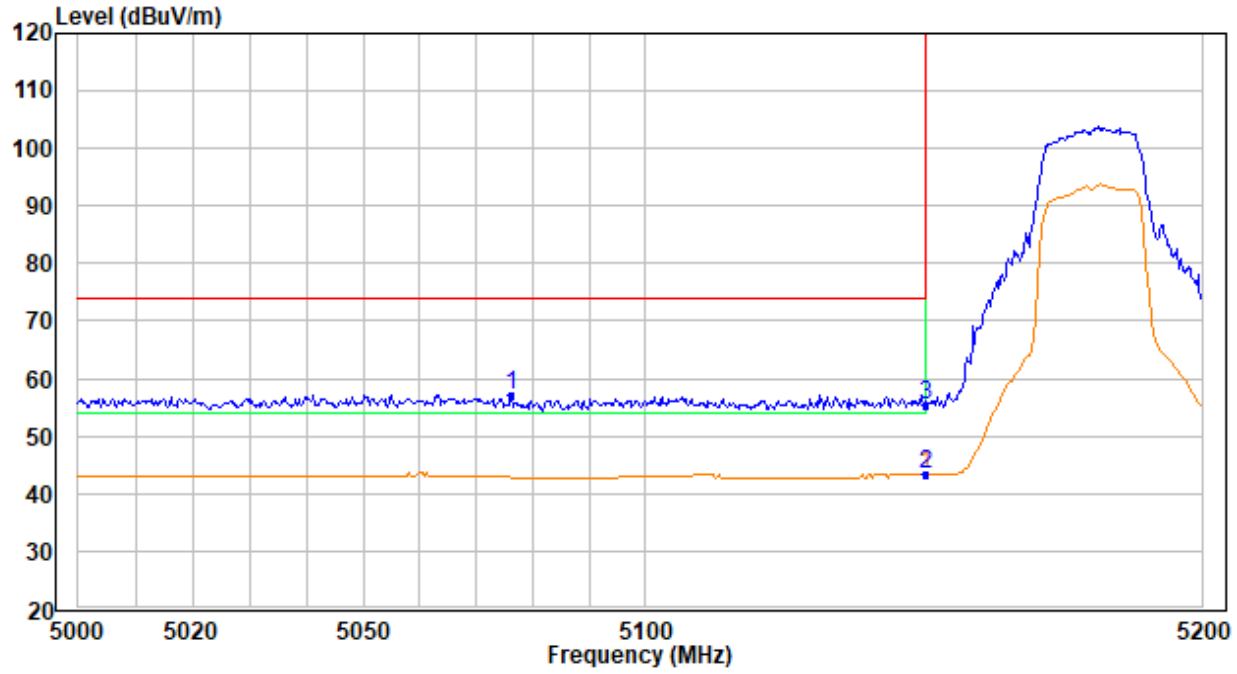
MIMO_ Ant. 1+2_IEEE 802.11n-HT20

Test Channel:	Channel 36	Ant. Polar. :	Horizontal



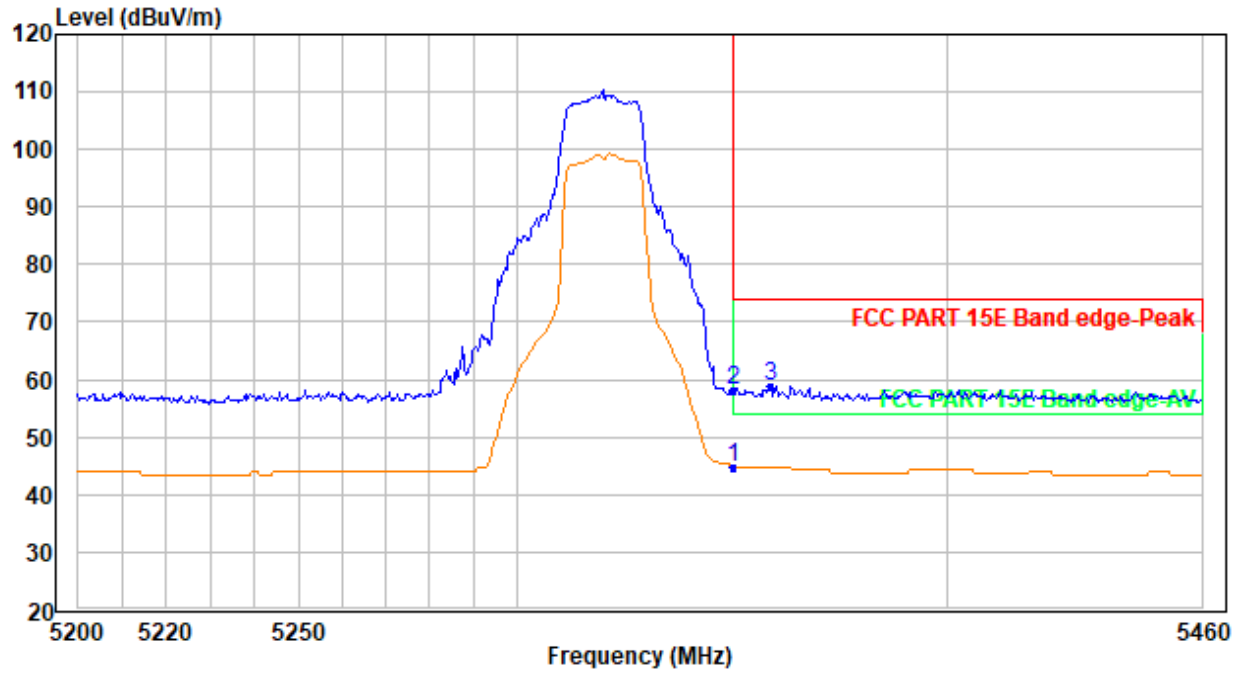
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	65.55	74.00	49.87	54.00	PASS

Test Channel:	Channel 36	Ant. Polar. :	Vertical



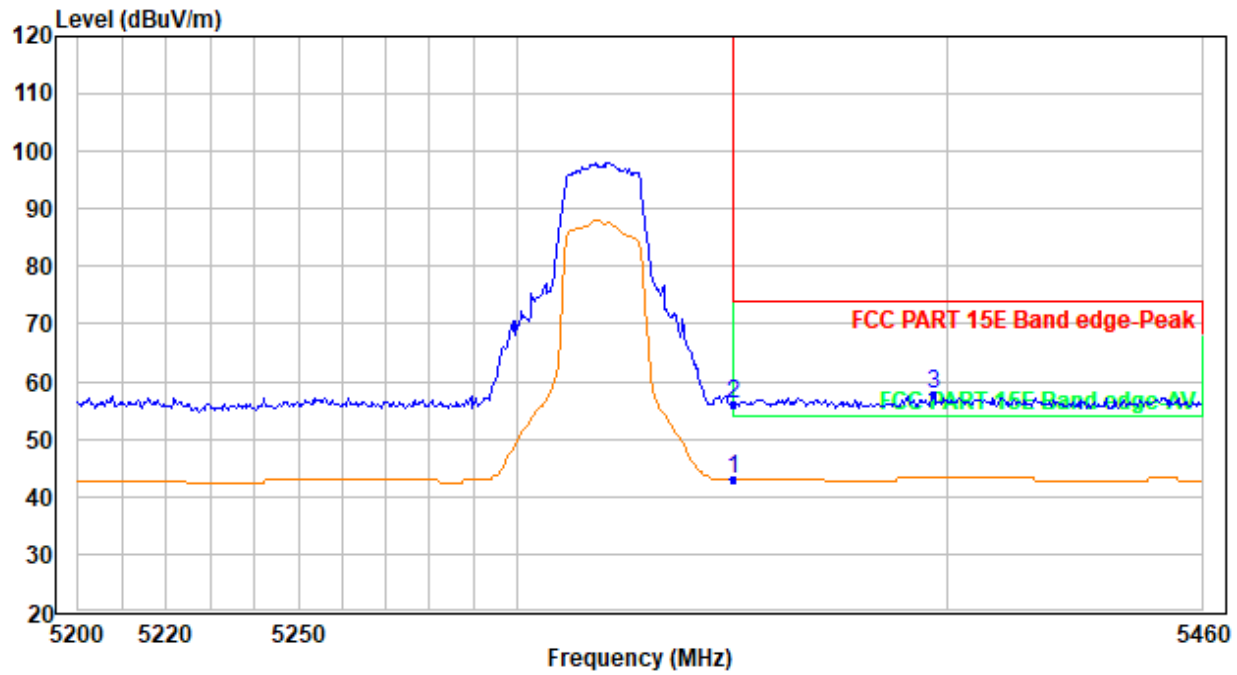
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5076.152	57.22	74.00	--	--	PASS
5150.000	55.27	74.00	43.29	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Horizontal



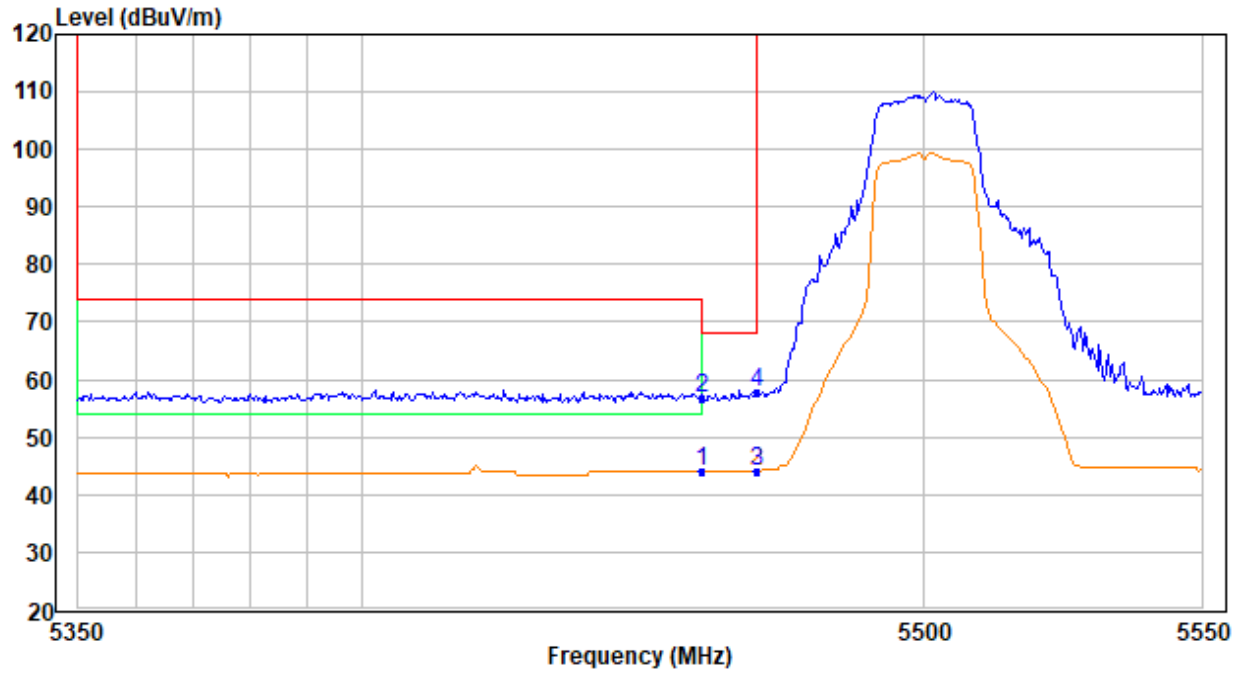
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	58.23	74.00	44.82	54.00	PASS
5358.918	58.83	74.00	--	--	PASS

Test Channel:	Channel 64	Ant. Polar. :	Vertical



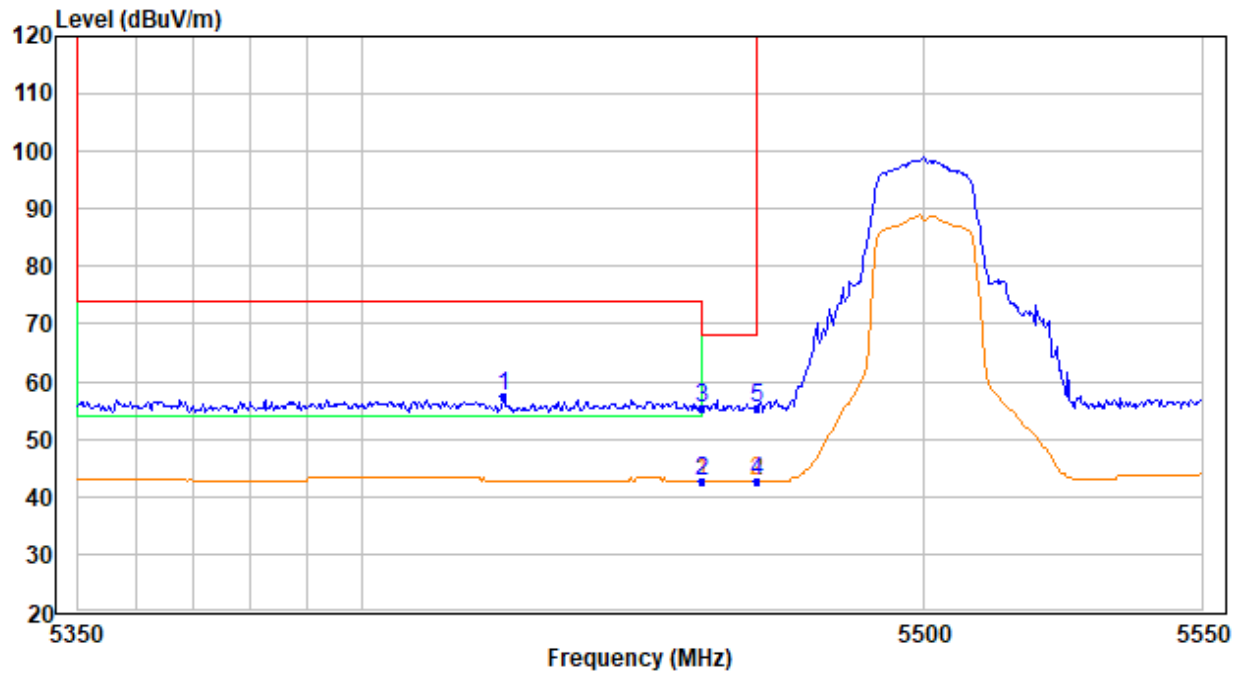
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	56.23	74.00	43.13	54.00	PASS
5396.954	57.89	74.00	--	--	PASS

Test Channel:	Channel 100	Ant. Polar. :	Horizontal



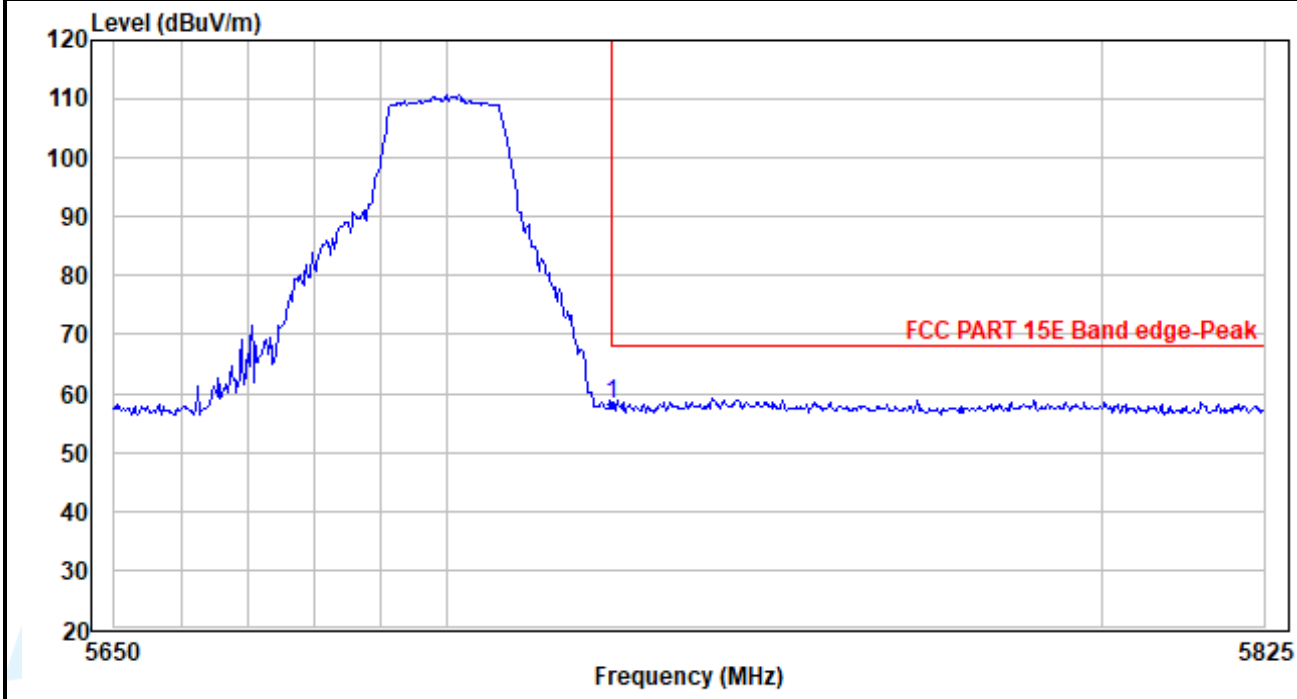
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	56.62	68.20	43.97	54.00	PASS
5470.000	57.72	68.20	43.99	68.20	PASS

Test Channel:	Channel 100	Ant. Polar. :	Vertical



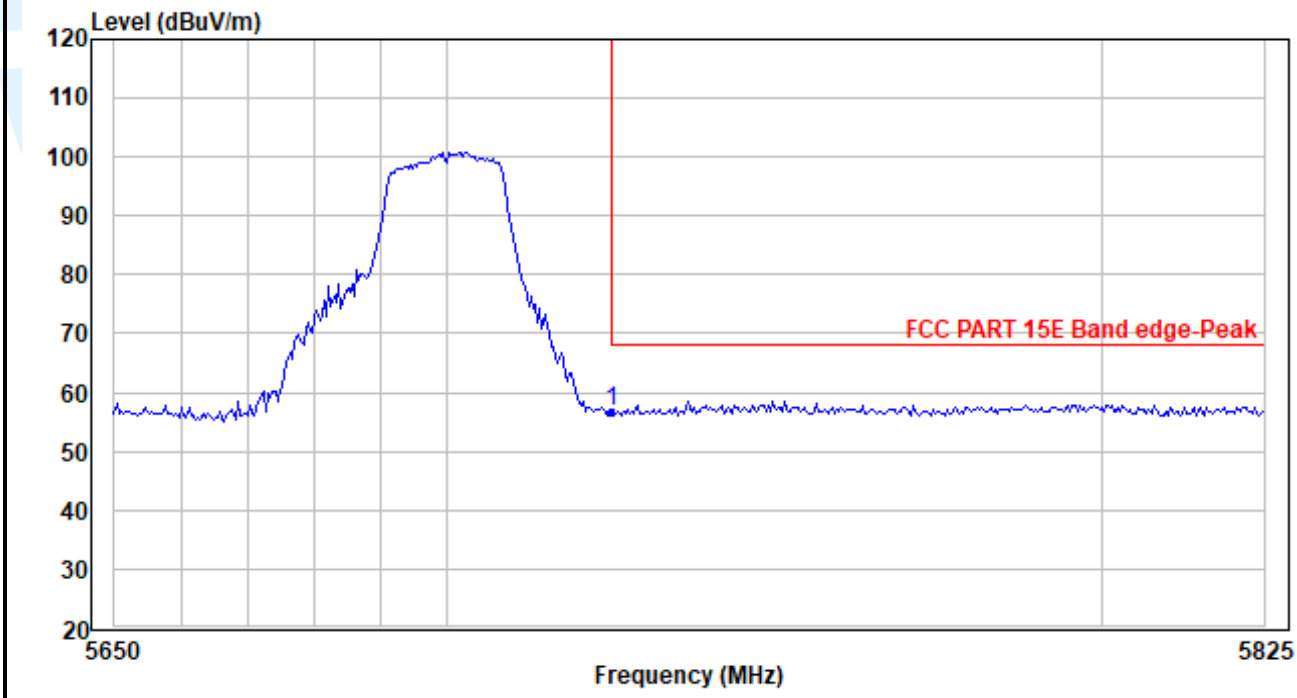
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5424.950	57.36	74.00	--	--	PASS
5460.000	55.51	68.20	42.73	54.00	PASS
5470.000	55.27	68.20	42.75	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Horizontal



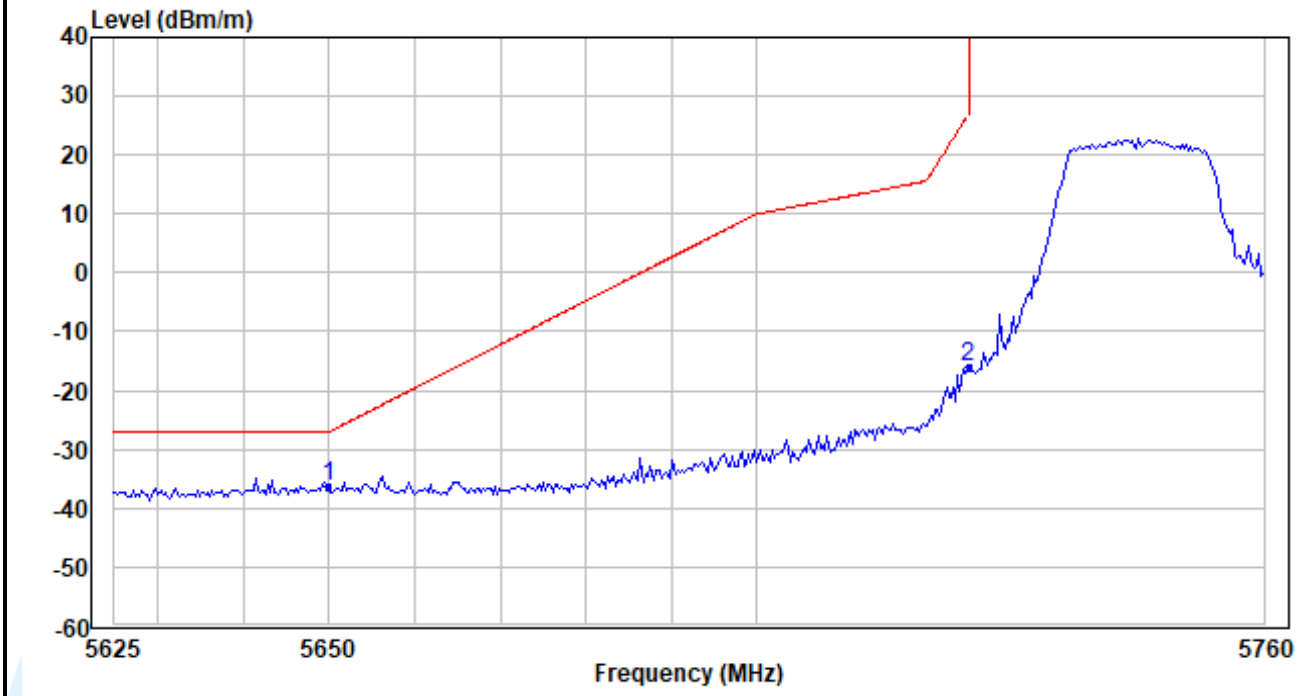
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	58.10	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Vertical



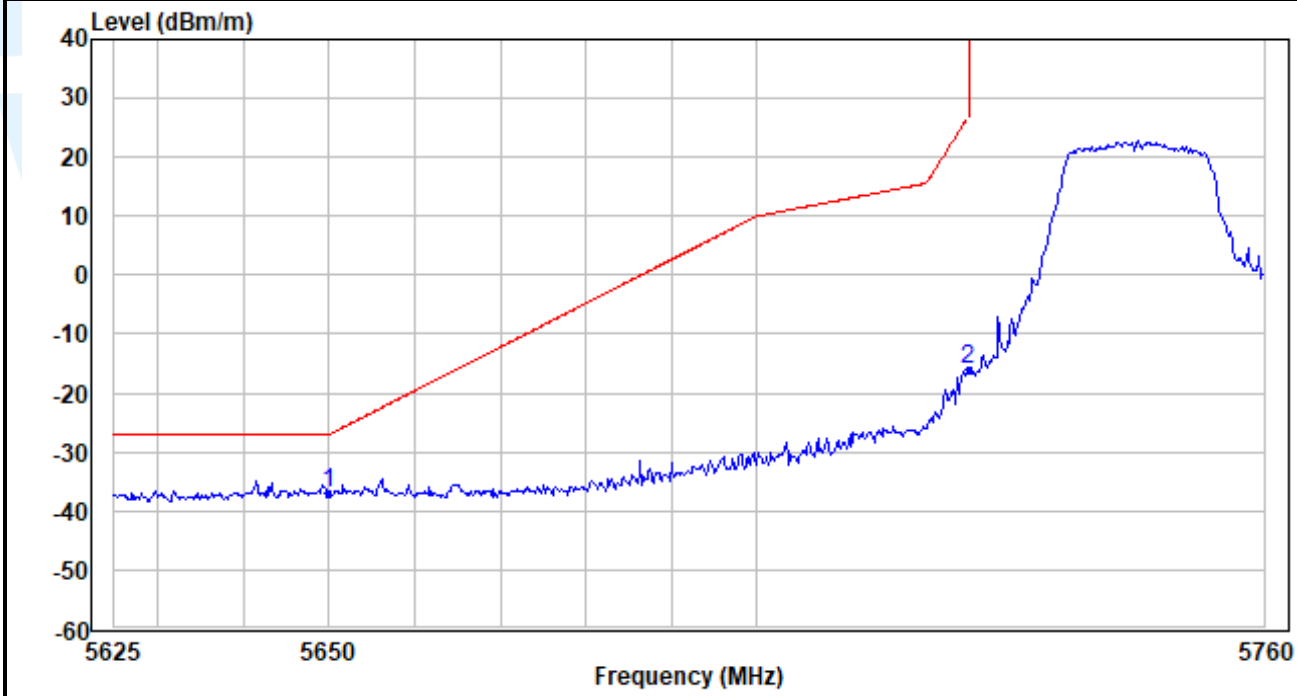
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	56.89	68.20	PASS

Test Channel:	Channel 149	Ant. Polar. :	Horizontal



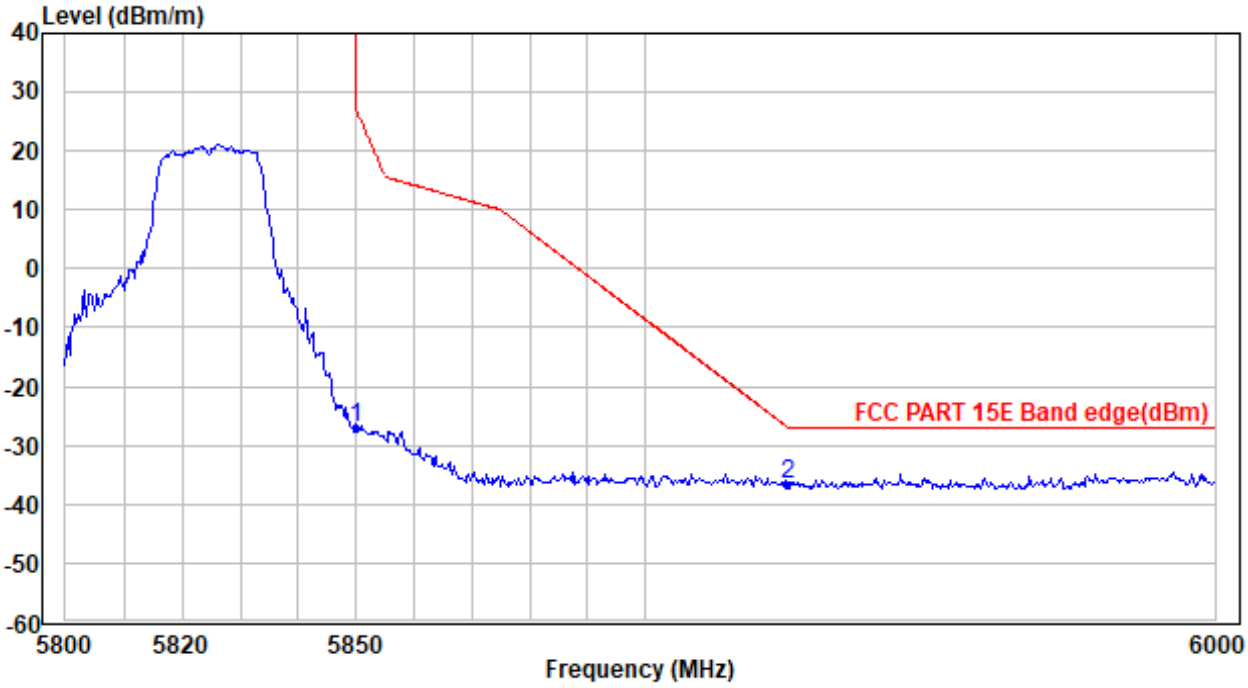
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-36.42	-27.00	PASS
5725.000	-16.10	27.00	PASS

Test Channel:	Channel 149	Ant. Polar. :	Vertical



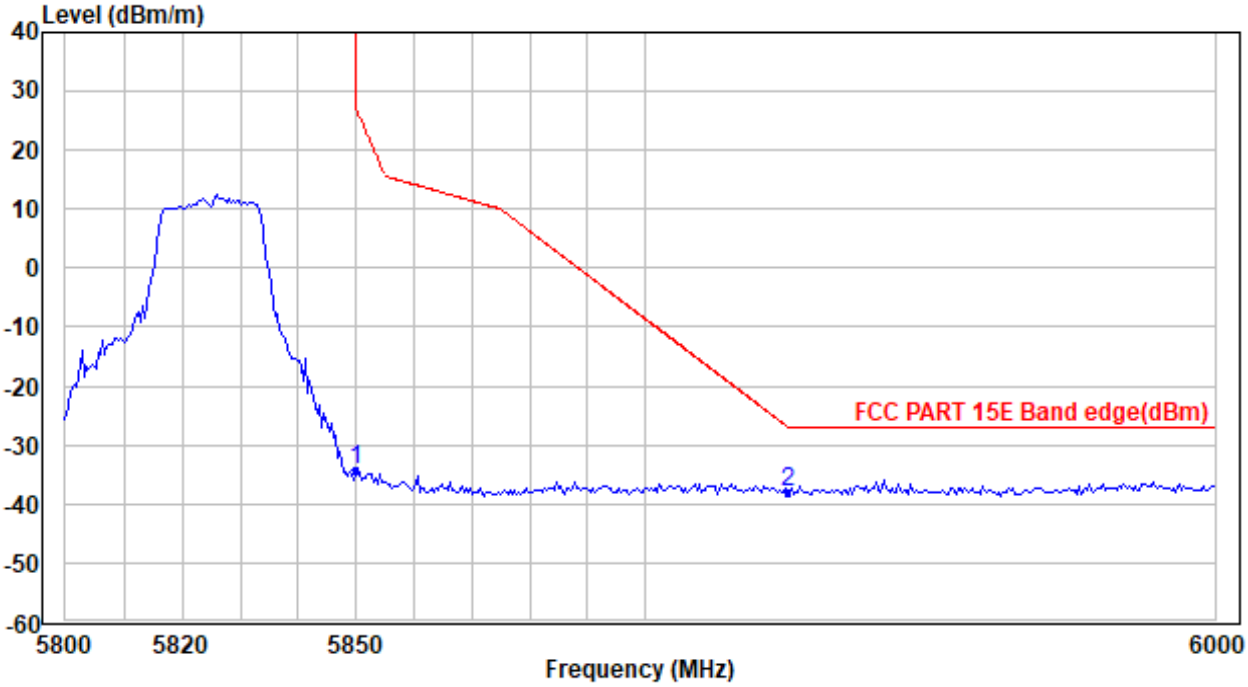
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-37.05	-27.00	PASS
5725.000	-16.10	27.00	PASS

Test Channel:	Channel 165	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-26.84	27.00	PASS
5925.000	-36.68	-27.00	PASS

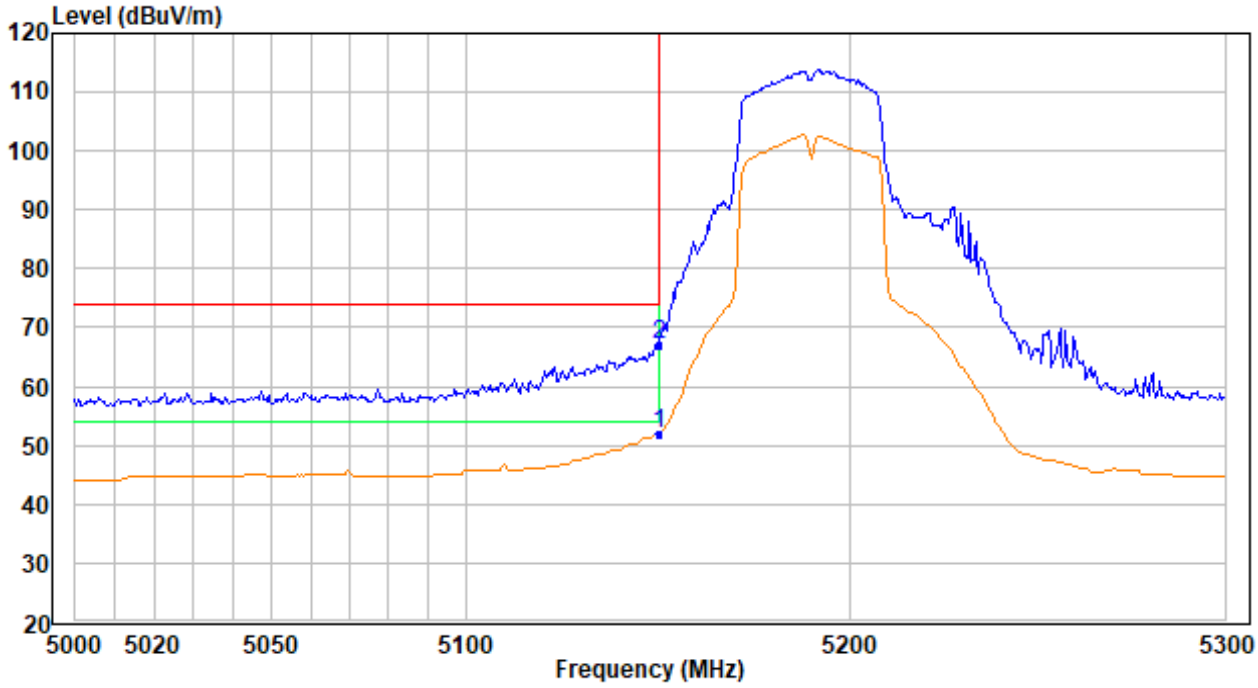
Test Channel:	Channel 165	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-34.35	27.00	PASS
5925.000	-38.17	-27.00	PASS

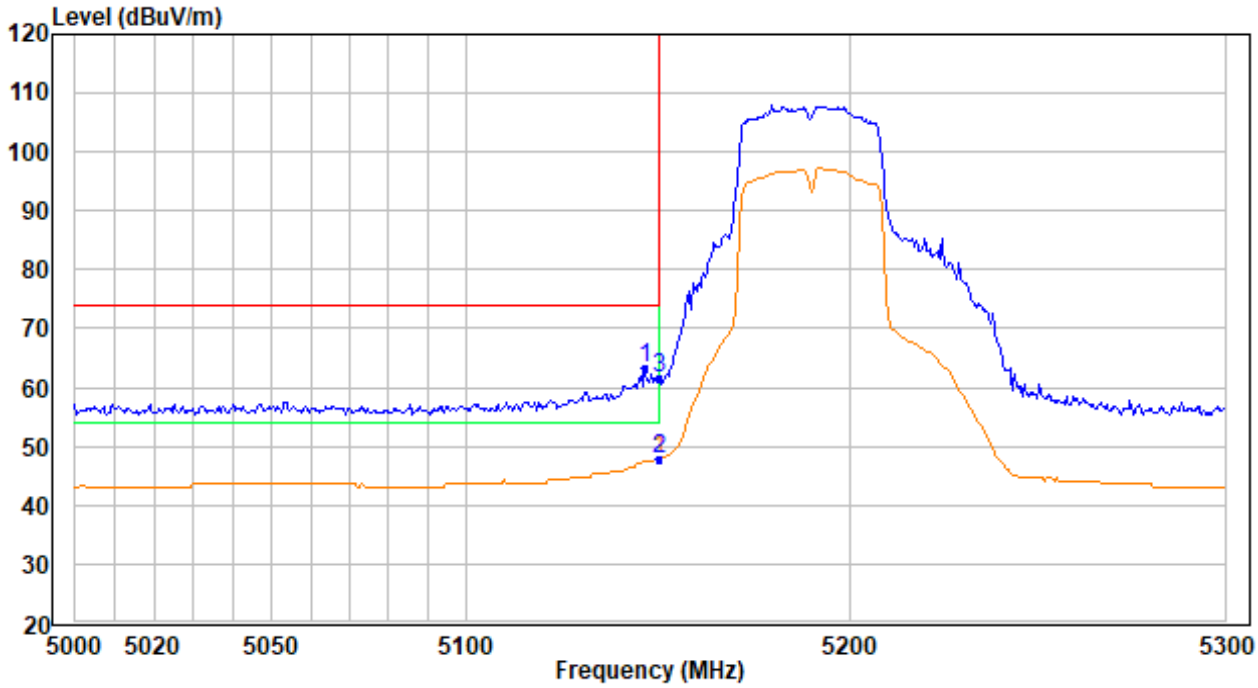
MIMO_ Ant. 1+2_ IEEE 802.11n-HT40

Test Channel:	Channel 38	Ant. Polar. :	Horizontal



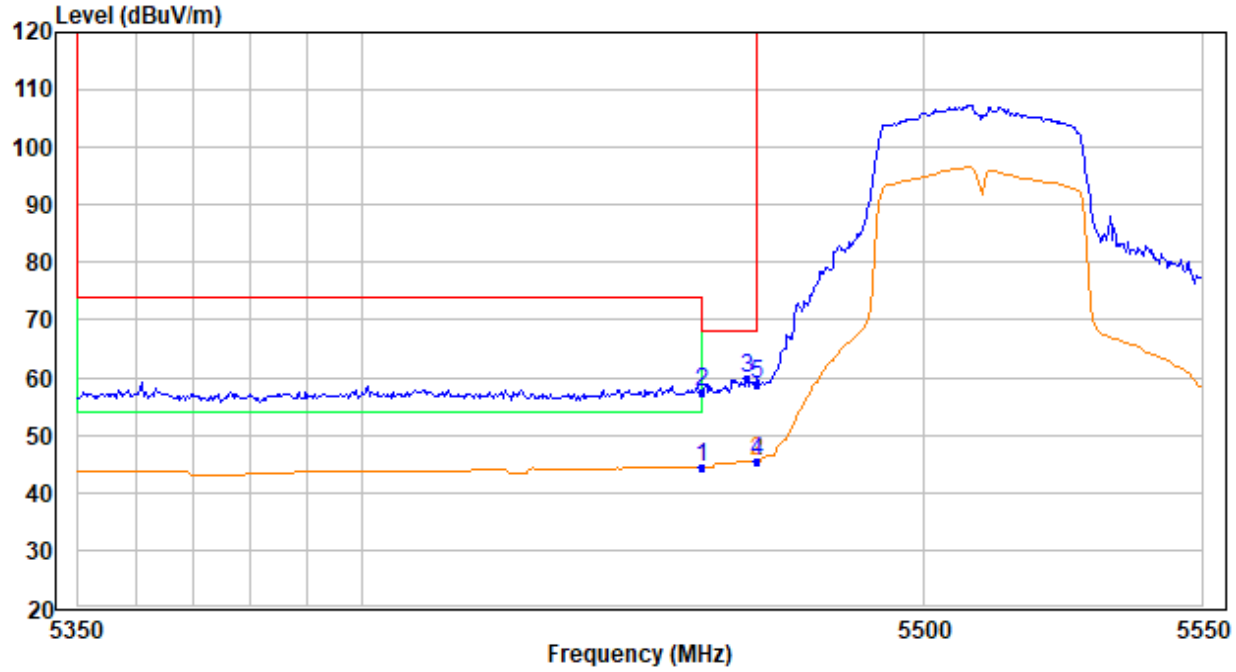
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	67.18	74.00	52.02	54.00	PASS

Test Channel:	Channel 38	Ant. Polar. :	Vertical



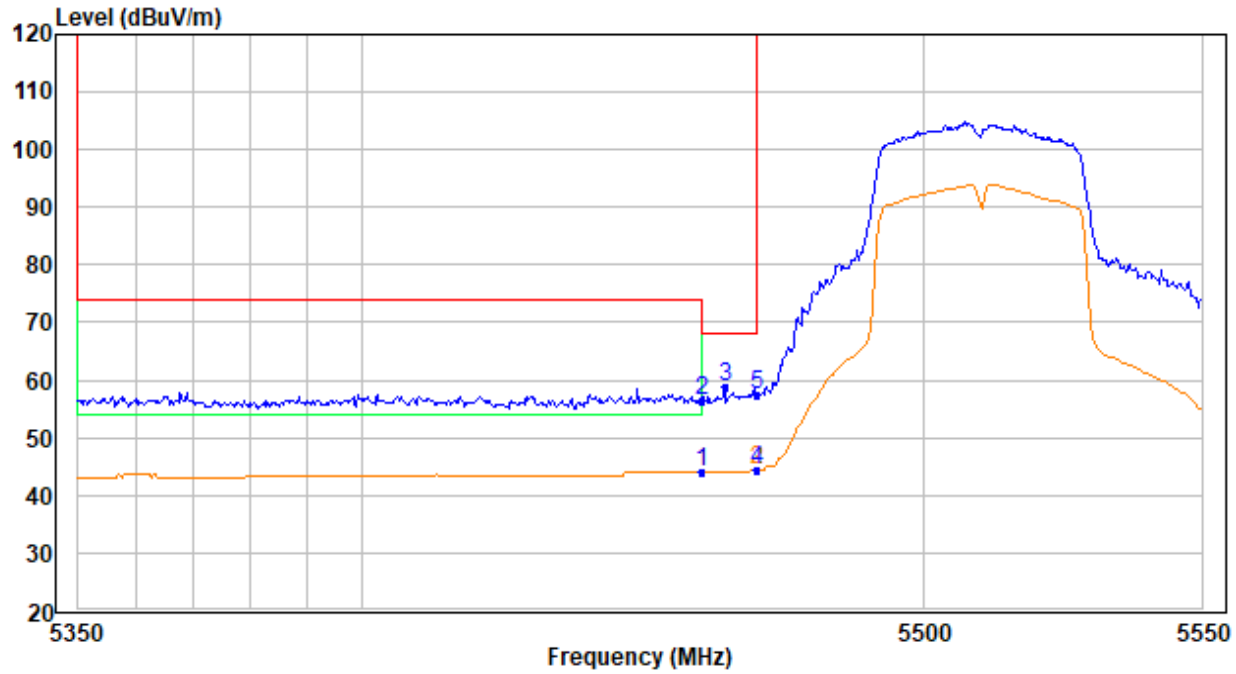
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5146.693	63.17	74.00	--	--	PASS
5150.000	61.73	74.00	47.72	54.00	PASS

Test Channel:	Channel 62	Ant. Polar. :	Horizontal



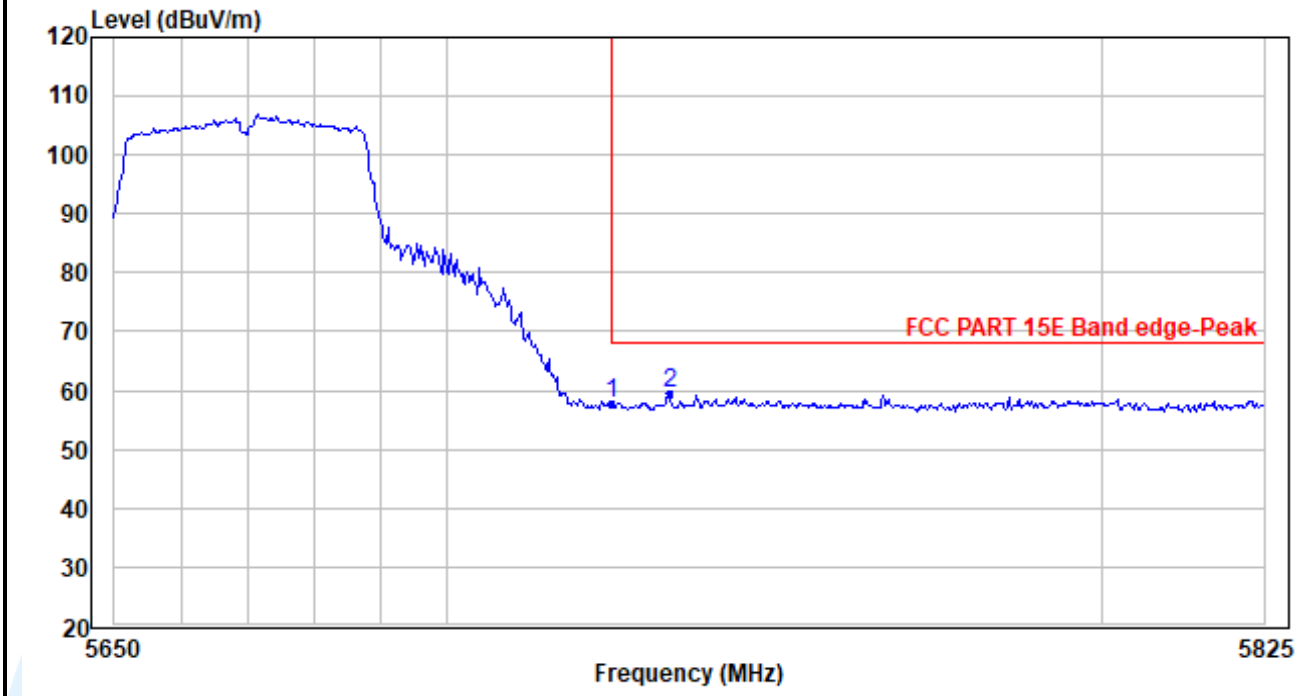
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	57.38	68.20	44.53	54.00	PASS
5468.236	59.90	68.20	--	--	PASS
5470.000	58.68	68.20	45.58	68.20	PASS

Test Channel:	Channel 62	Ant. Polar. :	Vertical



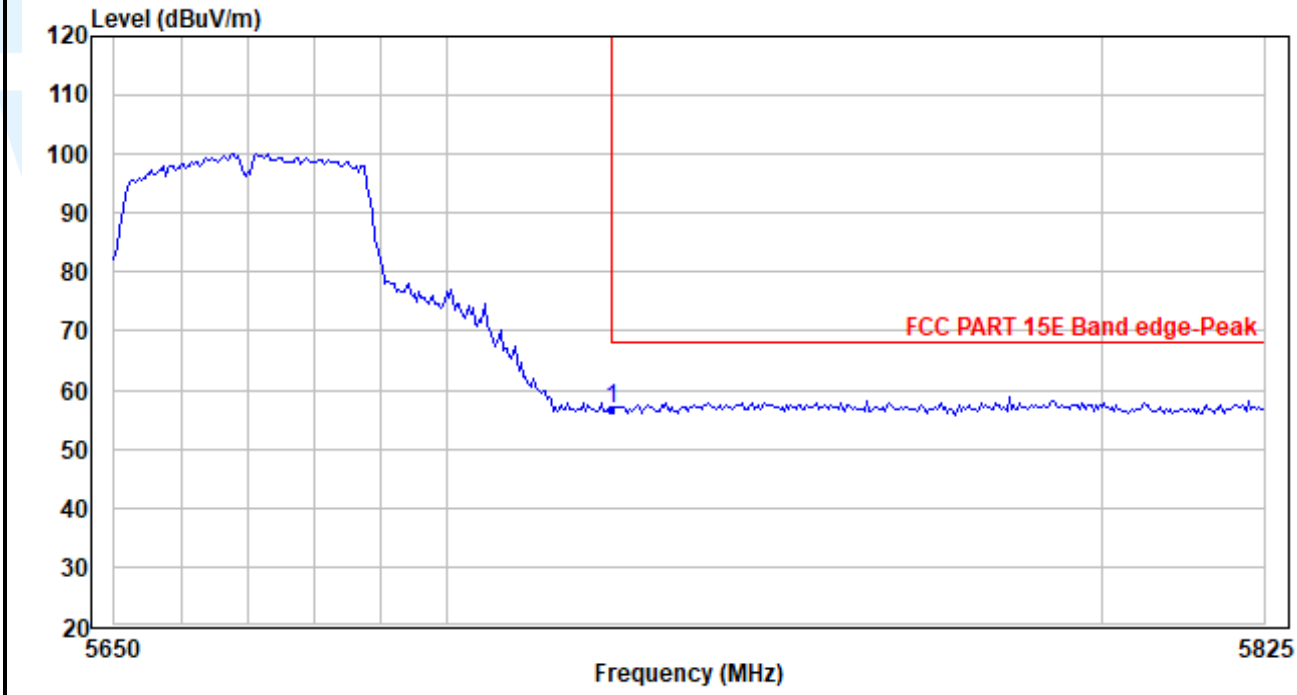
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	56.55	68.20	43.97	54.00	PASS
5464.229	58.68	68.20	--	--	PASS
5470.000	57.54	68.20	44.56	68.20	PASS

Test Channel:	Channel 134	Ant. Polar. :	Horizontal



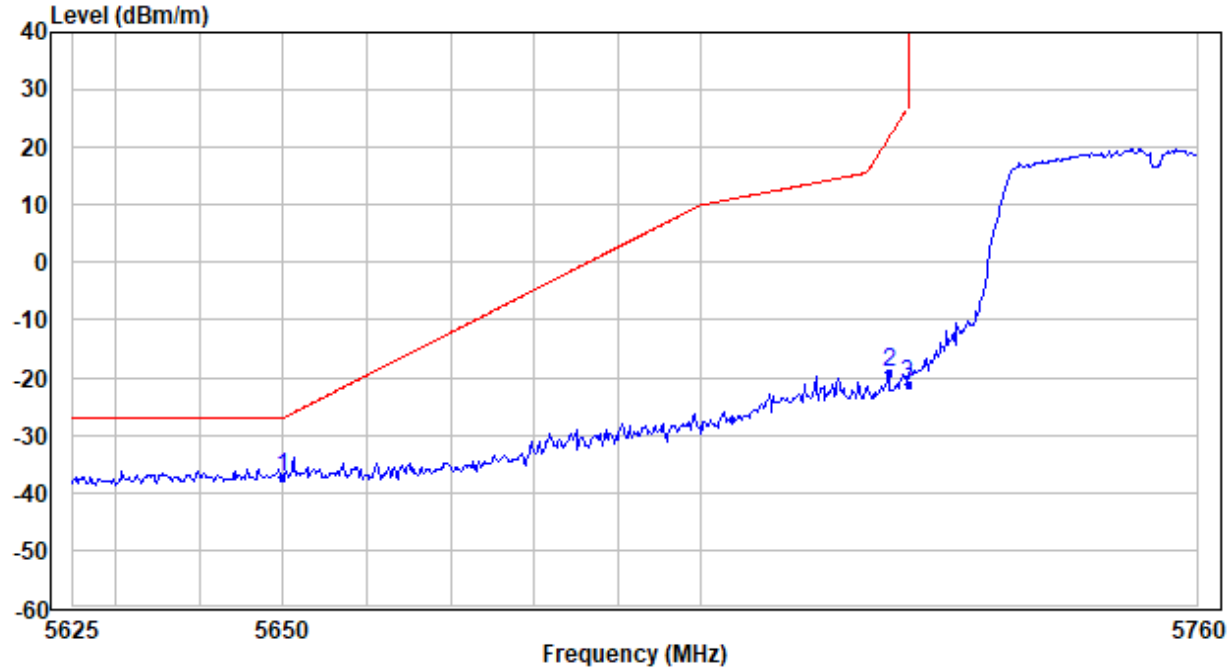
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	57.73	68.20	PASS
5733.818	59.63	68.20	PASS

Test Channel:	Channel 134	Ant. Polar. :	Vertical



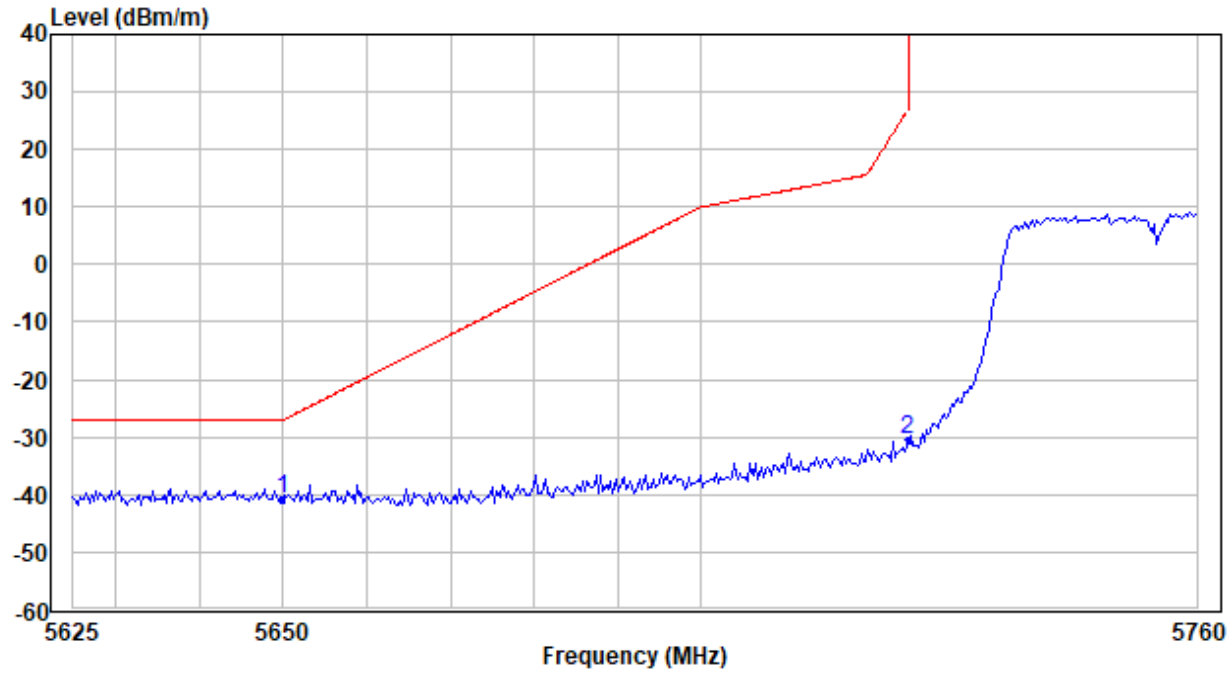
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	56.73	68.20	PASS

Test Channel:	Channel 151	Ant. Polar. :	Horizontal



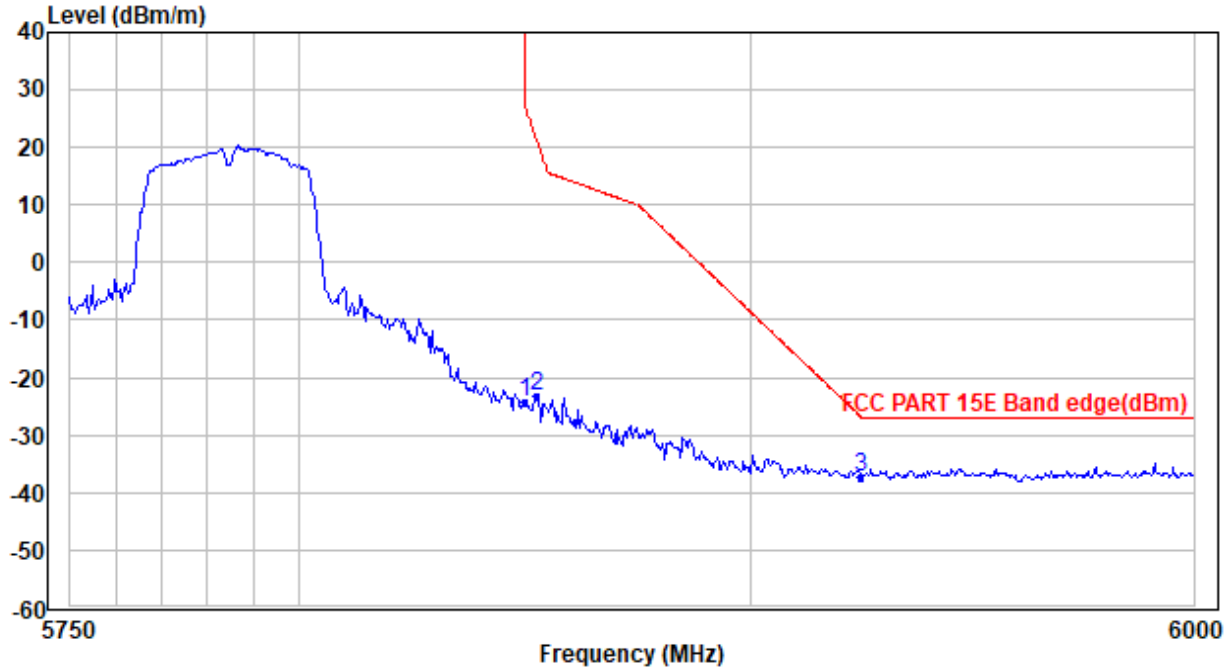
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-37.40	-27.00	PASS
5722.666	-19.25	21.68	PASS
5725.000	-21.11	27.00	PASS

Test Channel:	Channel 151	Ant. Polar. :	Vertical



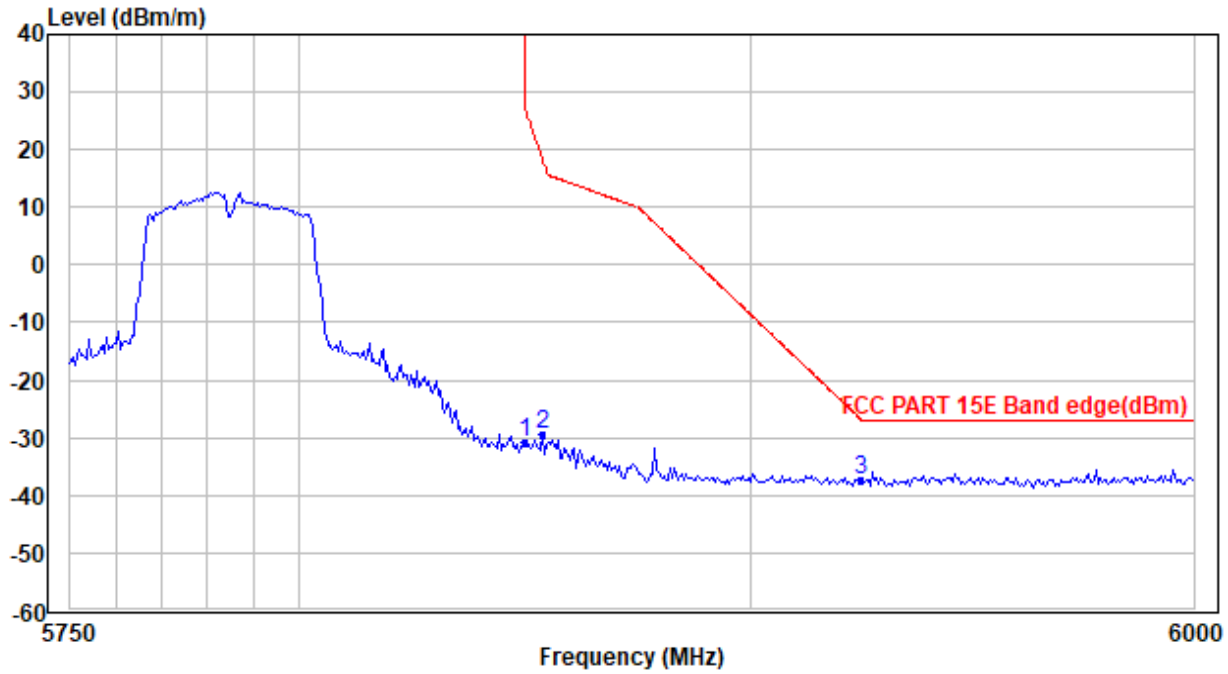
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-40.86	-27.00	PASS
5725.000	-30.41	27.00	PASS

Test Channel:	Channel 159	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-24.28	27.00	PASS
5852.706	-23.09	20.83	PASS
5925.000	-37.29	-27.00	PASS

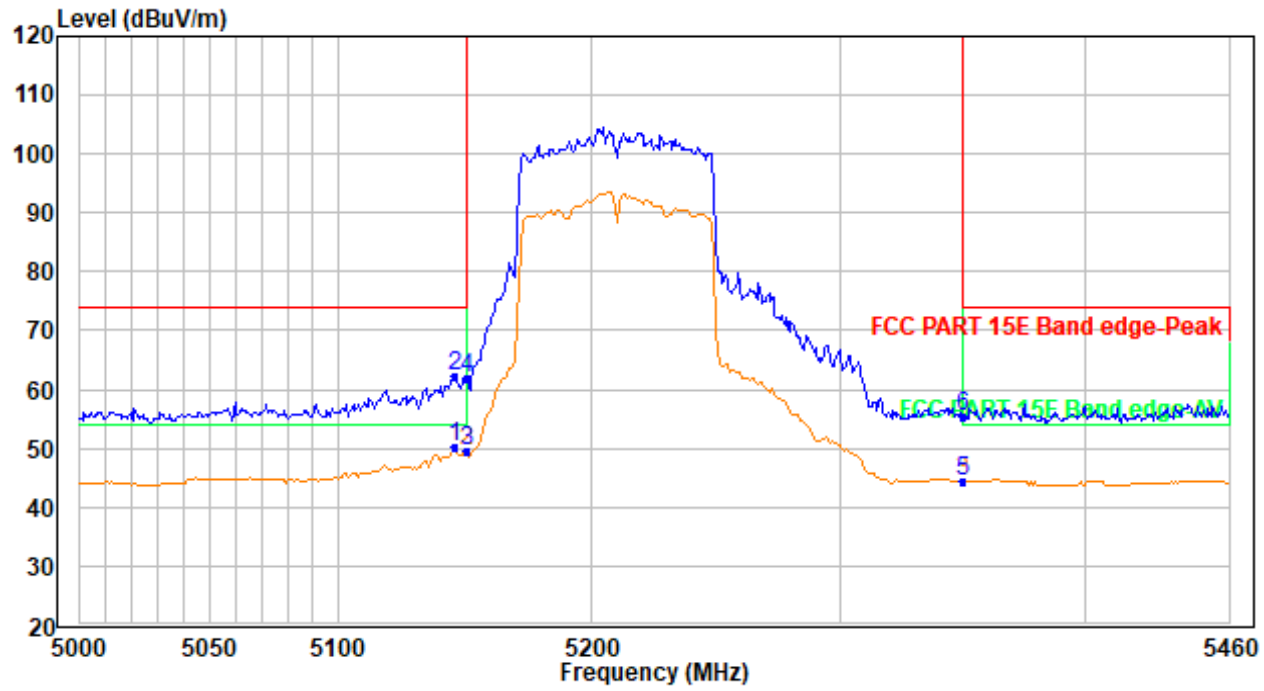
Test Channel:	Channel 159	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-30.88	27.00	PASS
5853.708	-29.58	18.55	PASS
5925.000	-37.44	-27.00	PASS

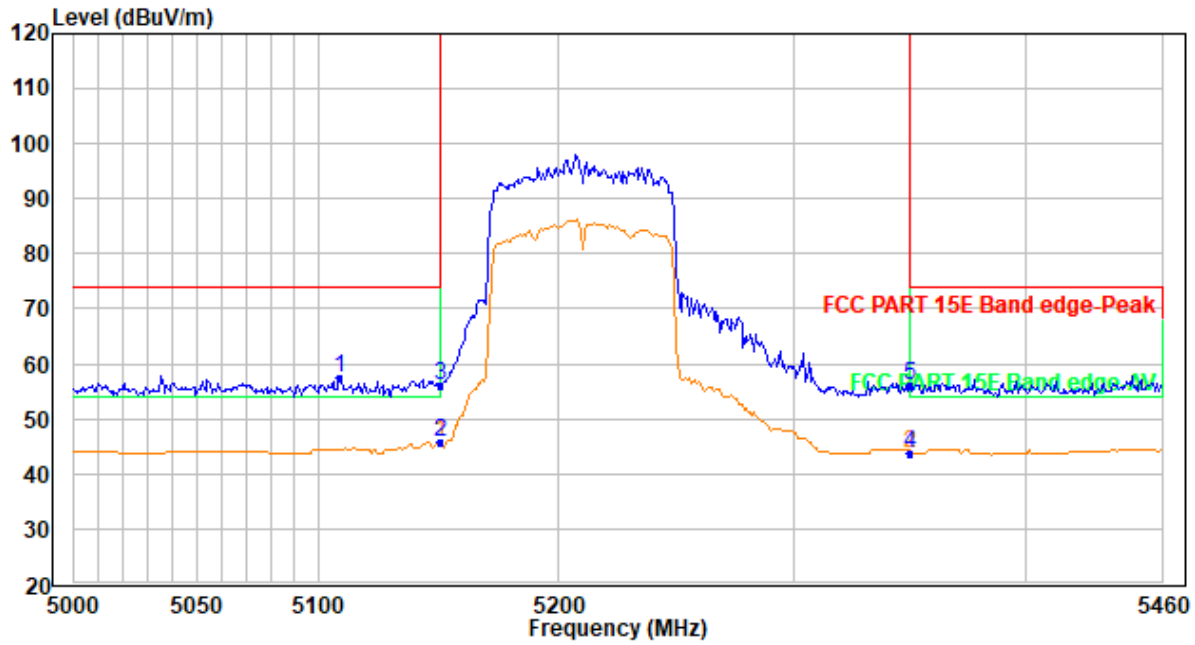
MIMO_ Ant. 1+2_IEEE 802.11ac-VHT80

Test Channel:	Channel 42	Ant. Polar. :	Horizontal



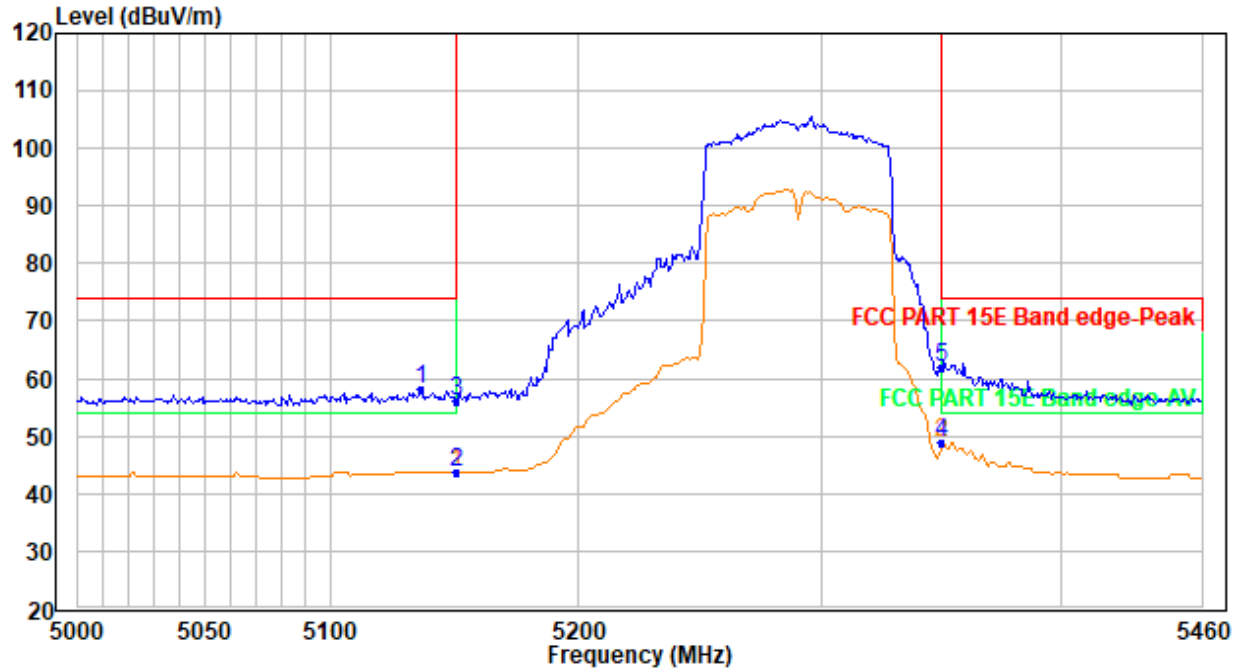
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5145.651	62.30	74.00	50.13	54.00	PASS
5150.000	61.91	74.00	49.59	54.00	PASS
5350.000	55.33	74.00	44.29	54.00	PASS

Test Channel:	Channel 42	Ant. Polar. :	Vertical



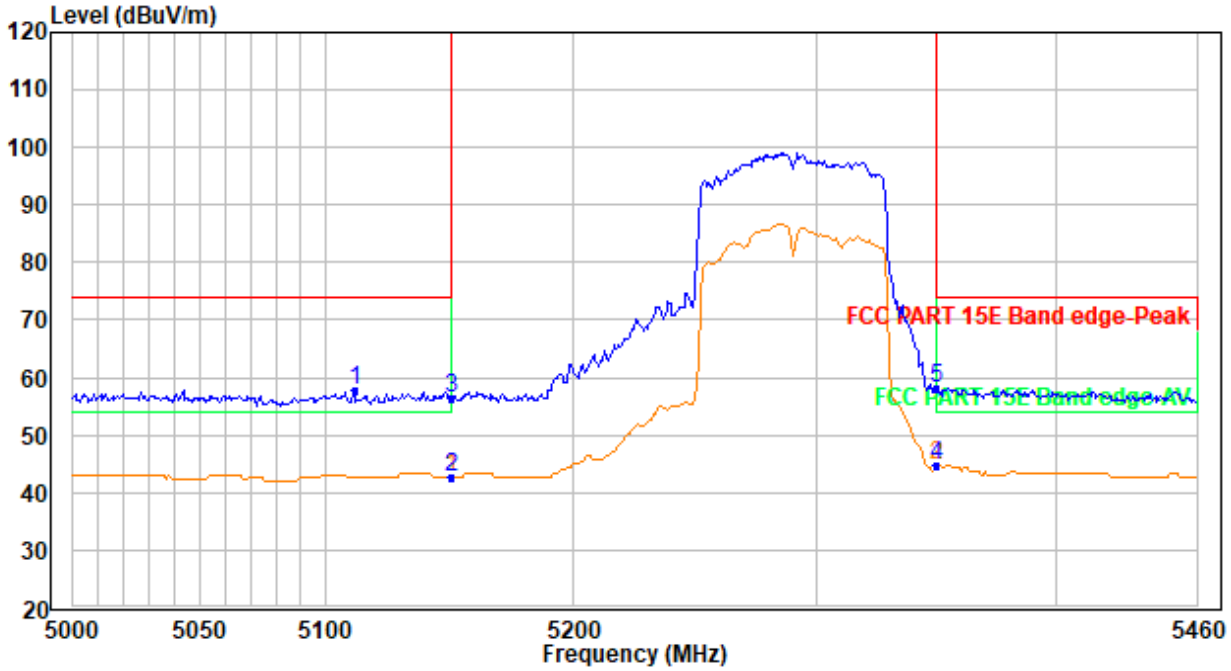
Frequency (MHz)	Peak level (dBμV/m)	Peak Limit (dBμV/m)	AV level (dBμV/m)	AV Limit (dBμV/m)	Conclusion
5108.777	57.52	74.00	--	--	PASS
5150.000	56.16	74.00	45.79	54.00	PASS
5350.000	55.92	74.00	43.73	54.00	PASS

Test Channel:	Channel 58	Ant. Polar. :	Horizontal



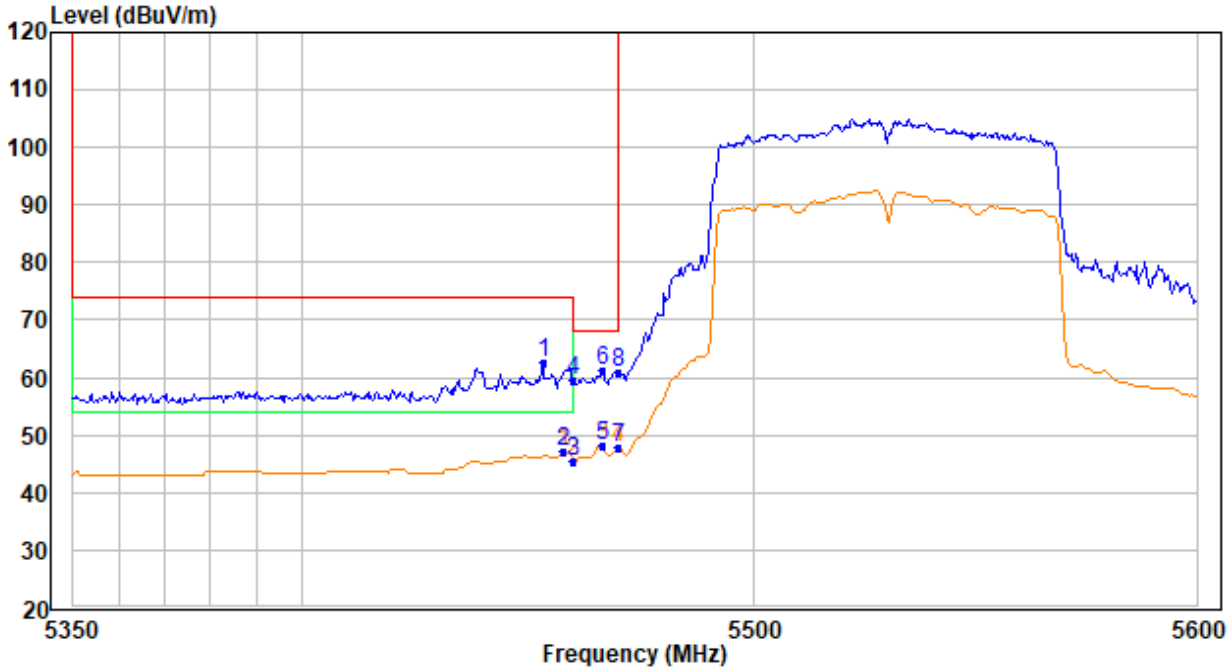
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5136.433	58.01	74.00	--	--	PASS
5150.000	56.20	74.00	43.85	54.00	PASS
5350.000	61.97	74.00	48.84	54.00	PASS

Test Channel:	Channel 58	Ant. Polar. :	Vertical



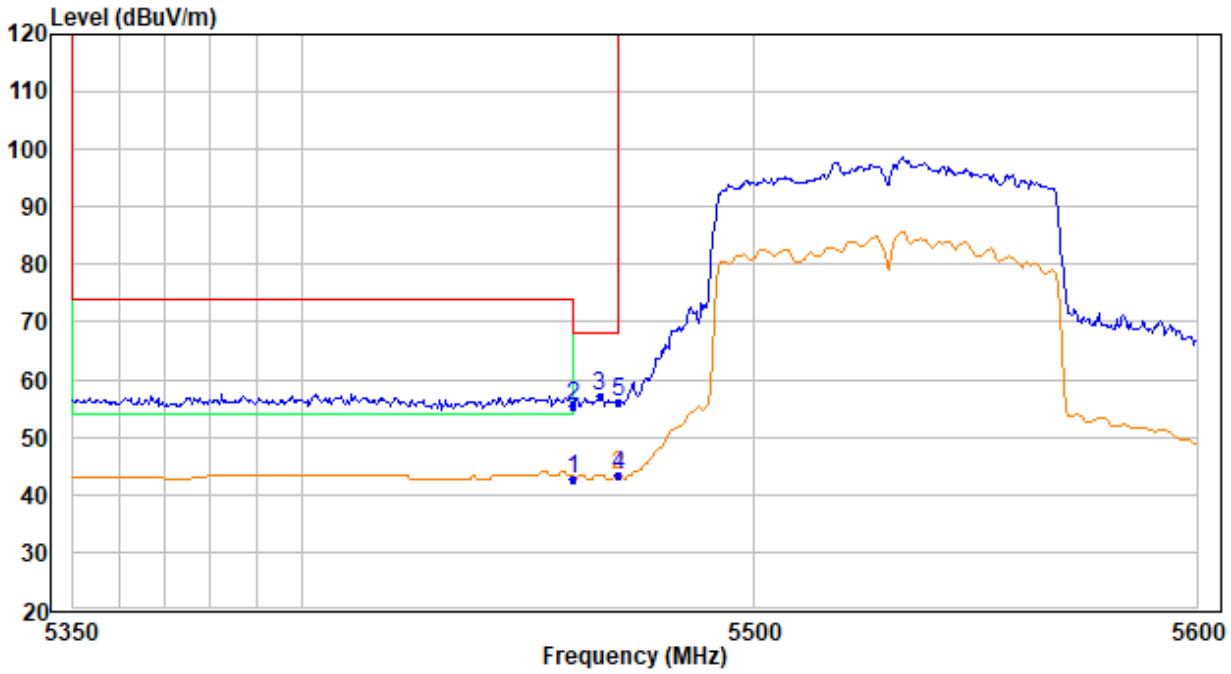
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5111.543	57.79	74.00	--	--	PASS
5150.000	56.42	74.00	42.69	54.00	PASS
5350.000	57.98	74.00	44.82	54.00	PASS

Test Channel:	Channel 106	Ant. Polar. :	Horizontal



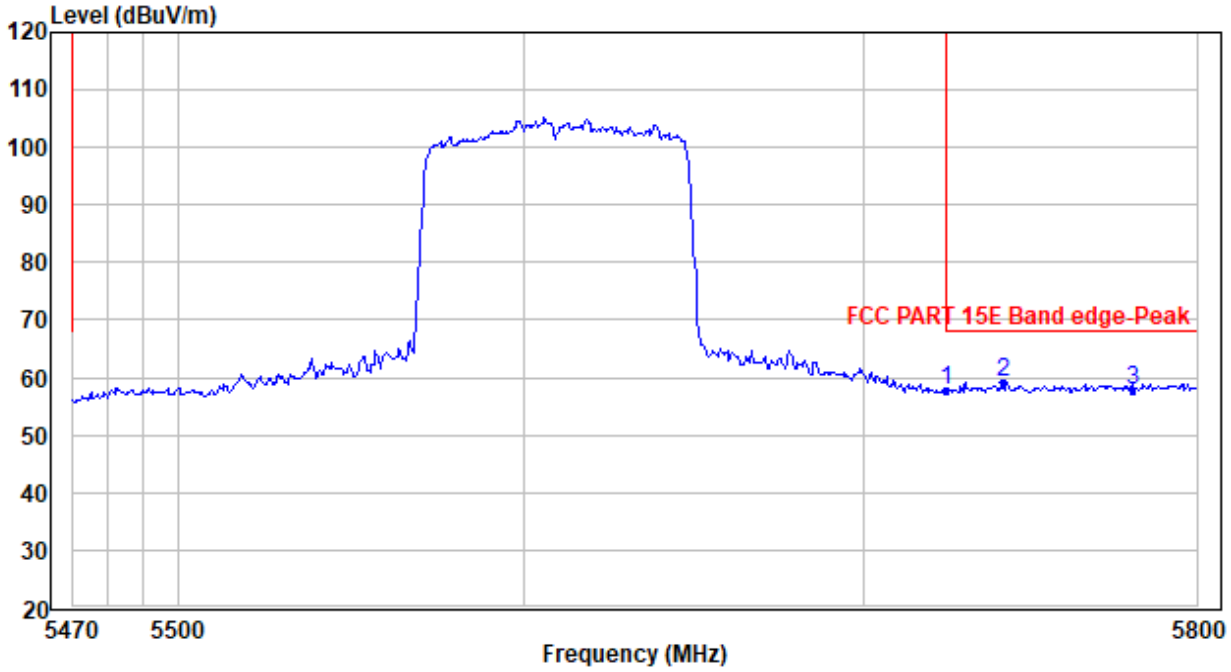
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5453.207	62.60	74.00	--	--	PASS
5457.715	--	--	47.29	54.00	PASS
5460.000	59.66	68.20	45.56	54.00	PASS
5466.232	61.28	68.20	48.07	68.20	PASS
5470.000	60.81	68.20	47.71	68.20	PASS

Test Channel:	Channel 106	Ant. Polar. :	Vertical



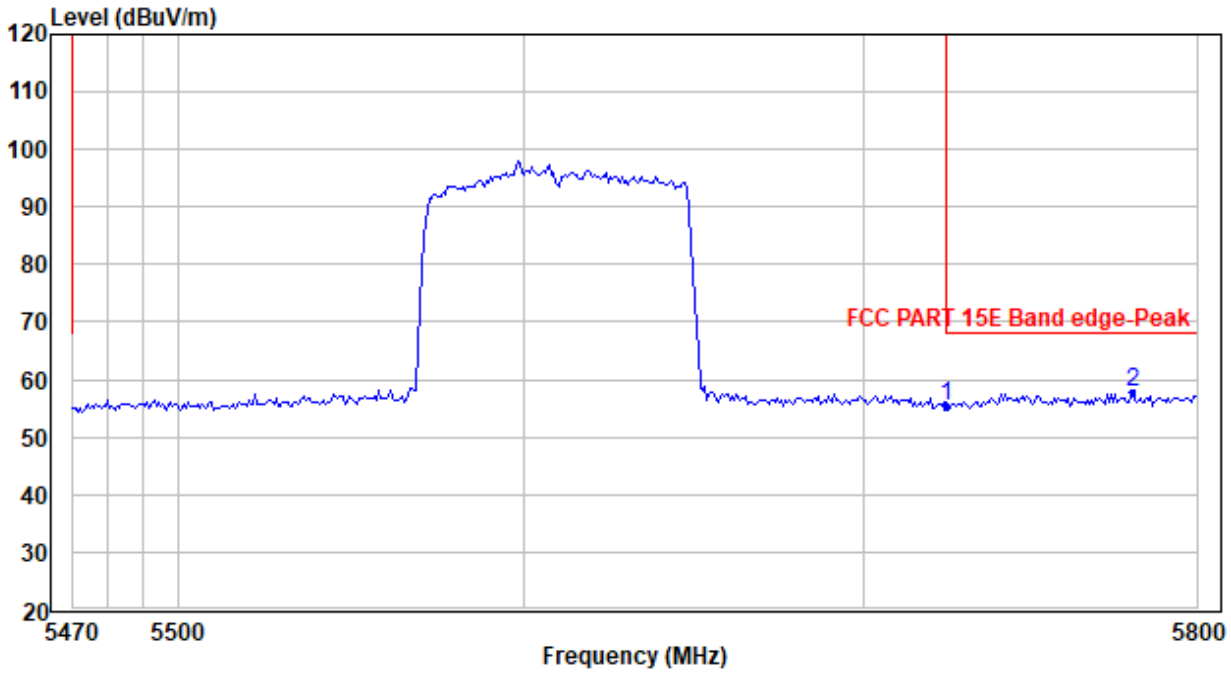
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	55.35	68.20	42.73	54.00	PASS
5465.731	57.26	68.20	--	--	PASS
5470.000	56.13	68.20	43.40	68.20	PASS

Test Channel:	Channel 122	Ant. Polar. :	Horizontal



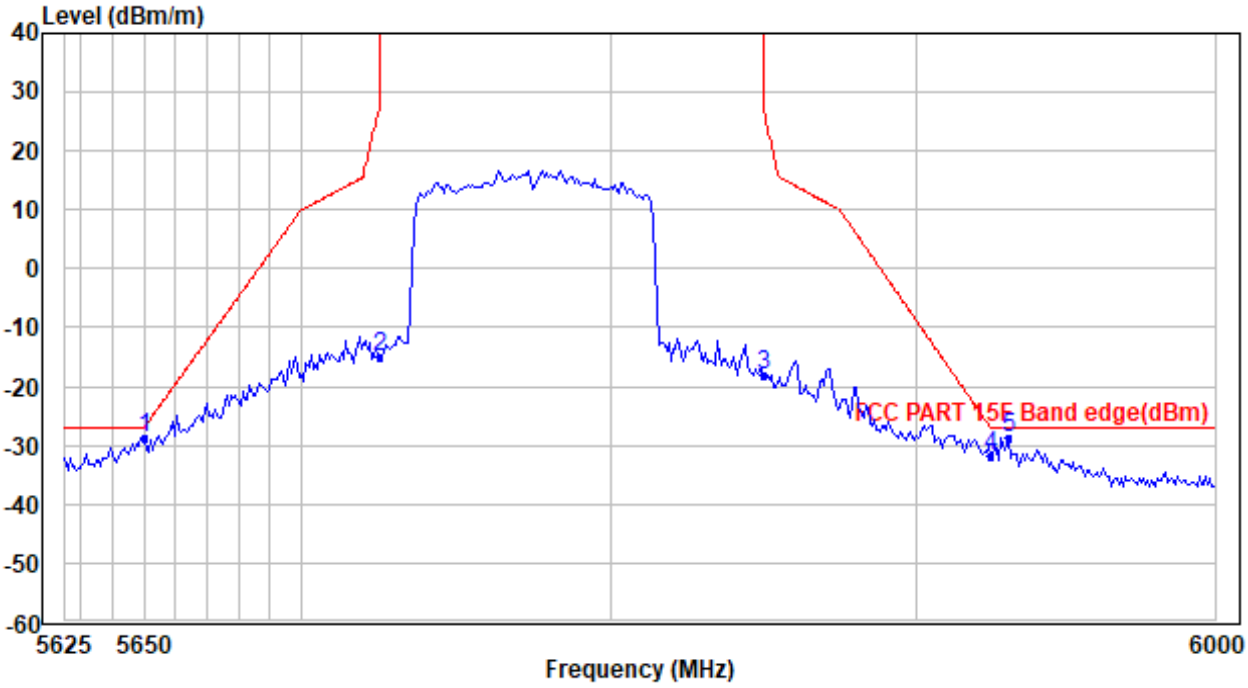
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5725.000	57.88	68.20	PASS
5741.804	59.23	68.20	PASS
5780.822	57.65	68.20	PASS

Test Channel:	Channel 122	Ant. Polar. :	Vertical



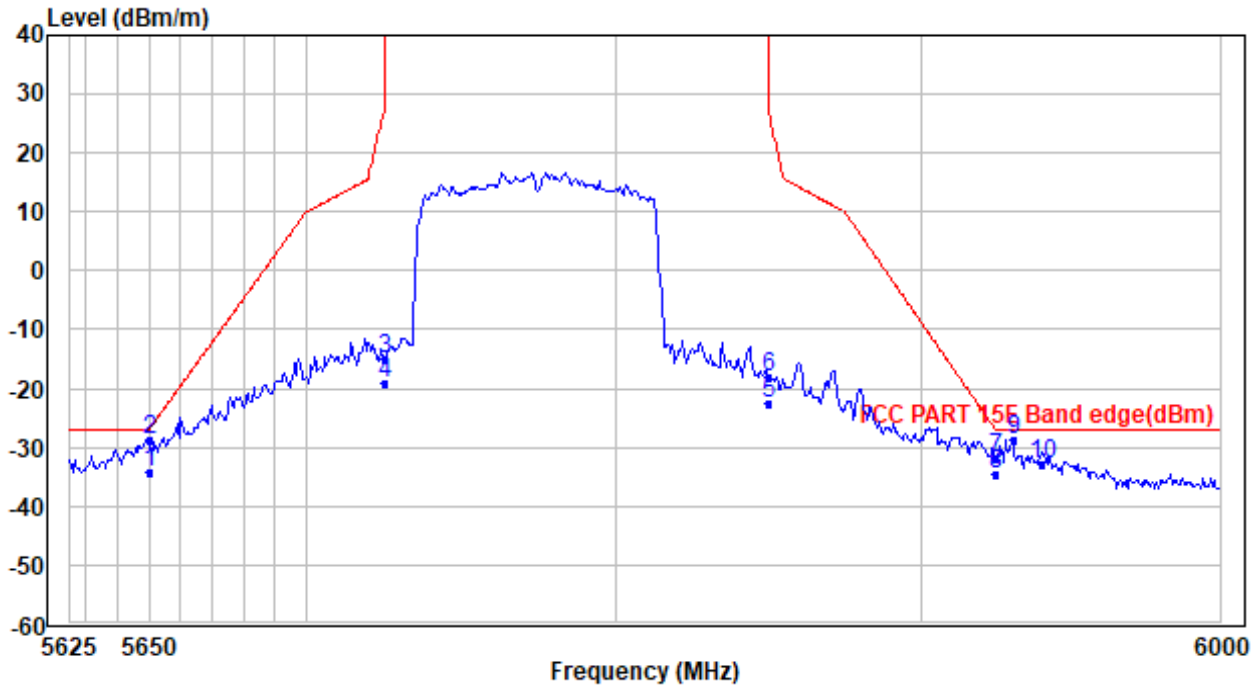
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5725.000	55.39	68.20	PASS
5780.822	57.65	68.20	PASS

Test Channel:	Channel 155	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-28.79	-27.00	PASS
5725.000	-14.89	27.00	PASS
5850.000	-17.94	27.00	PASS
5925.000	-31.80	-27.00	PASS
5930.862	-28.59	-27.00	PASS

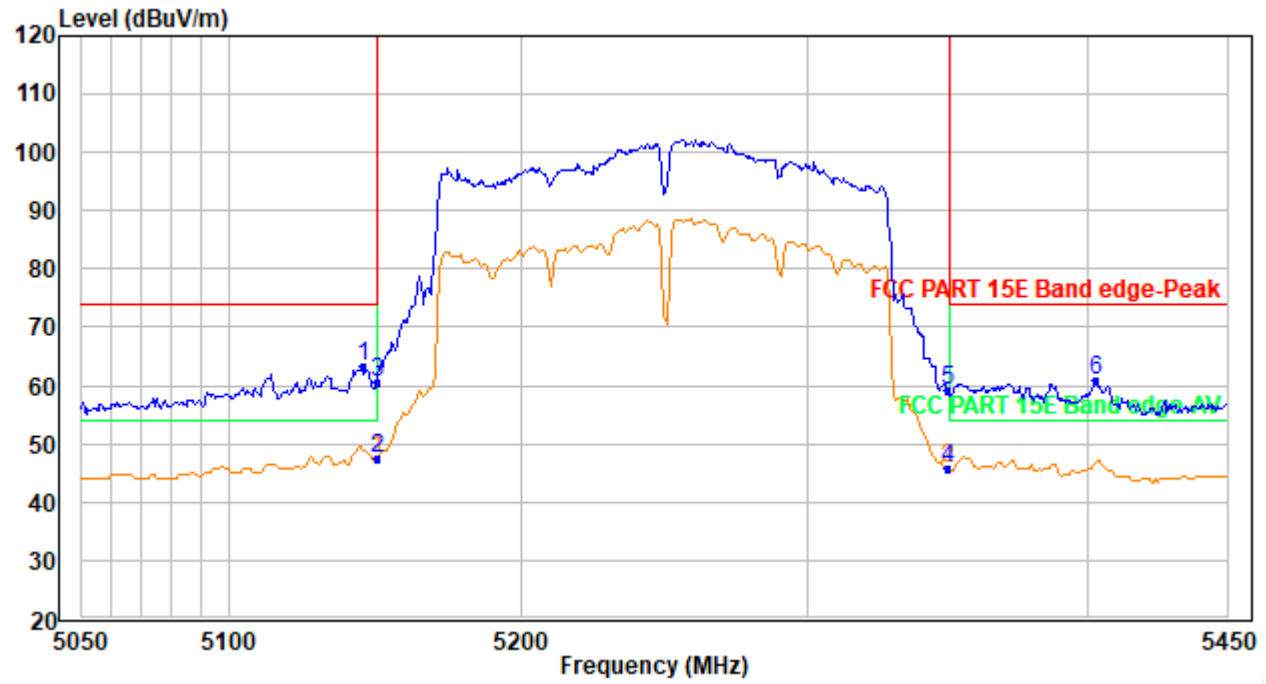
Test Channel:	Channel 155	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-34.34	-27.00	PASS
5650.000	-28.79	-27.00	PASS
5725.000	-14.89	27.00	PASS
5725.000	-19.04	27.00	PASS
5850.000	-22.51	27.00	PASS
5850.000	-17.94	27.00	PASS
5925.000	-31.80	-27.00	PASS
5925.000	-34.43	-27.00	PASS
5930.862	-28.59	-27.00	PASS
5940.631	-32.74	-27.00	PASS

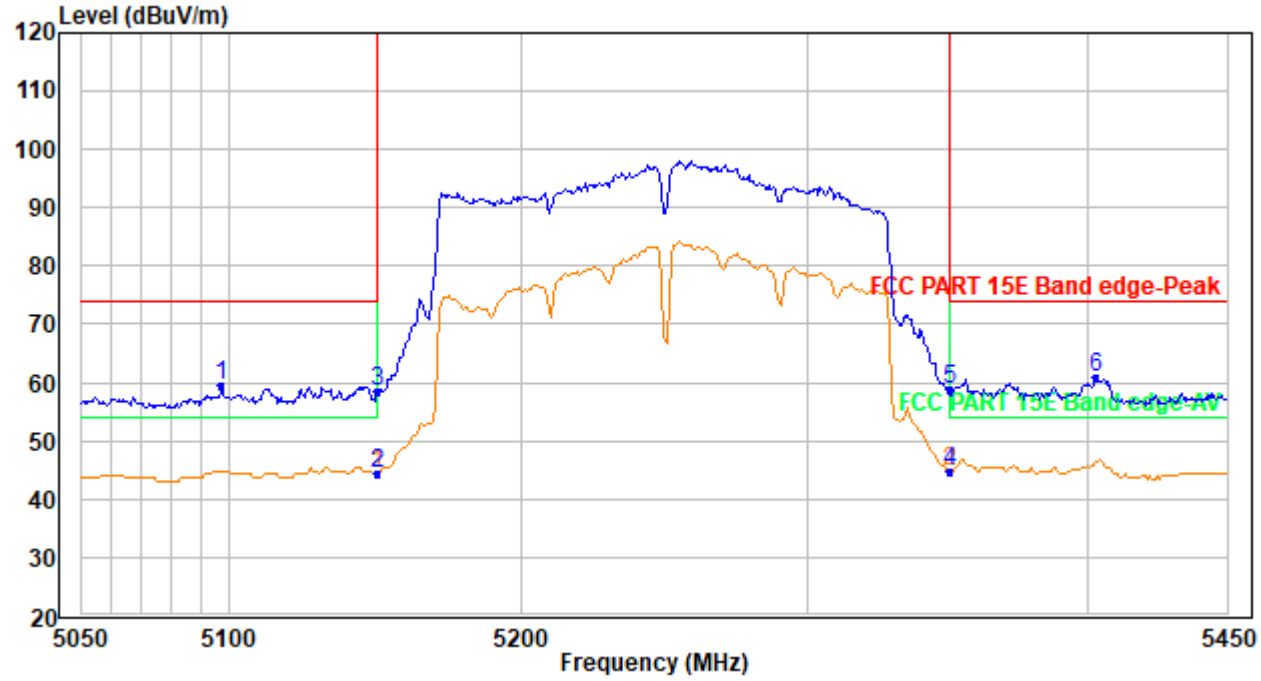
MIMO_ Ant. 1+2_ IEEE 802.11ac-VHT160

Test Channel:	Channel 50	Ant. Polar. :	Horizontal



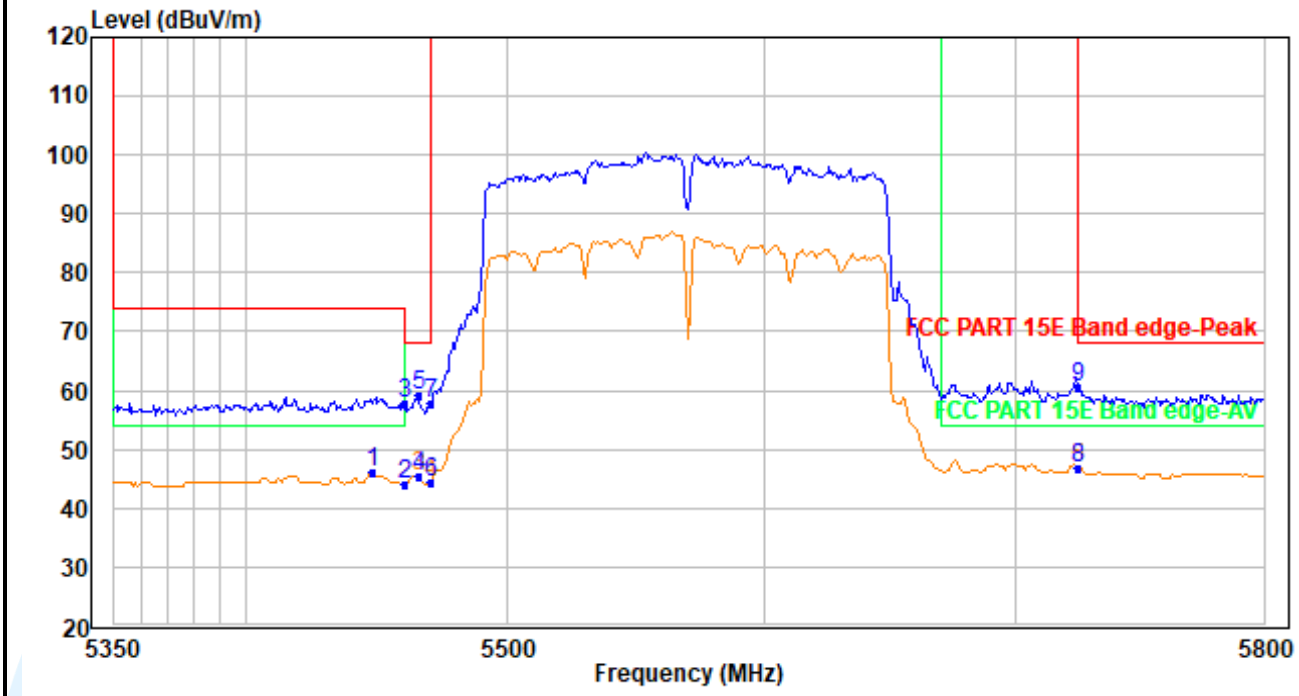
Frequency (MHz)	Peak level (dBμV/m)	Peak Limit (dBμV/m)	AV level (dBμV/m)	AV Limit (dBμV/m)	Conclusion
5145.391	63.41	74.00	--	--	PASS
5150.000	--	--	47.37	54.00	PASS
5150.000	60.66	74.00	--	--	PASS
5349.800	59.12	74.00	45.78	54.00	PASS
5402.706	60.83	74.00	--	--	PASS

Test Channel:	Channel 50	Ant. Polar. :	Vertical



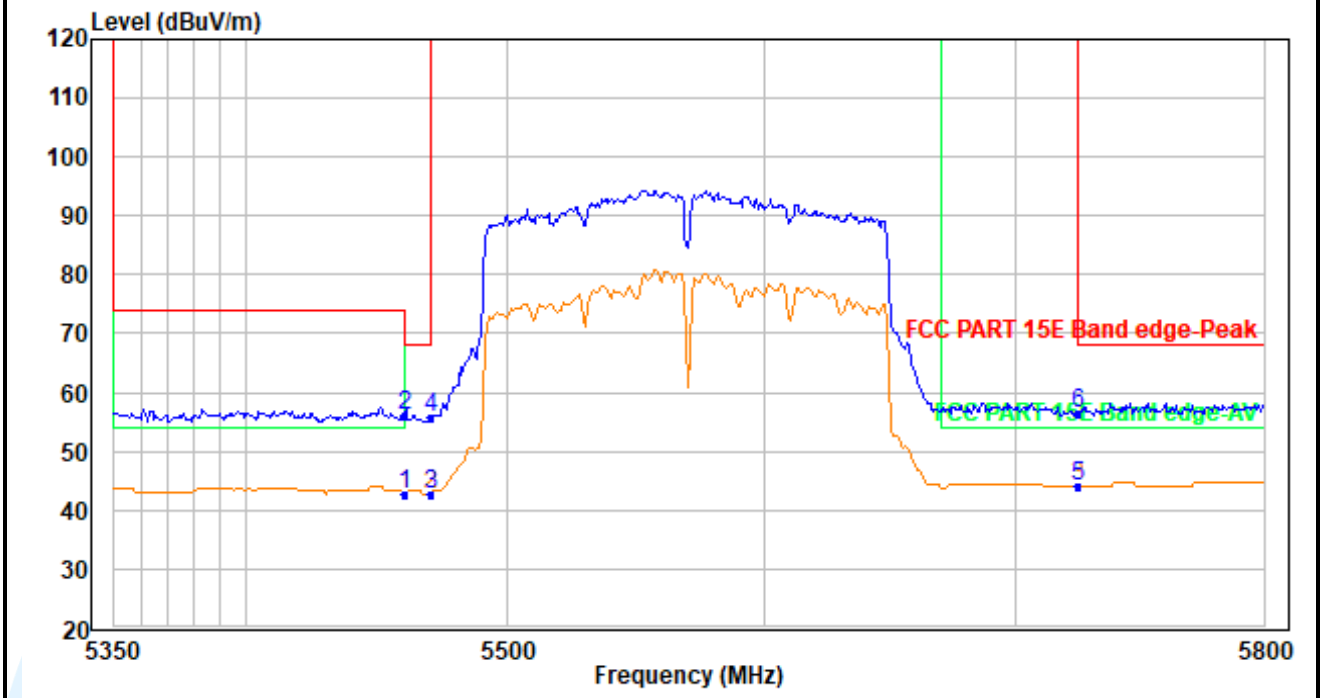
Frequency (MHz)	Peak level (dBμV/m)	Peak Limit (dBμV/m)	AV level (dBμV/m)	AV Limit (dBμV/m)	Conclusion
5097.294	59.54	74.00	--	--	PASS
5150.000	58.32	74.00	44.38	54.00	PASS
5350.000	58.77	74.00	44.82	54.00	PASS
5402.706	60.85	74.00	--	--	PASS

Test Channel:	Channel 114	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5448.296	--	--	46.00	54.00	PASS
5460.000	57.65	68.20	43.97	54.00	PASS
5465.431	59.04	68.20	45.57	68.20	PASS
5470.000	57.90	68.20	44.56	68.20	PASS
5725.000	60.60	68.20	46.66	54.00	PASS

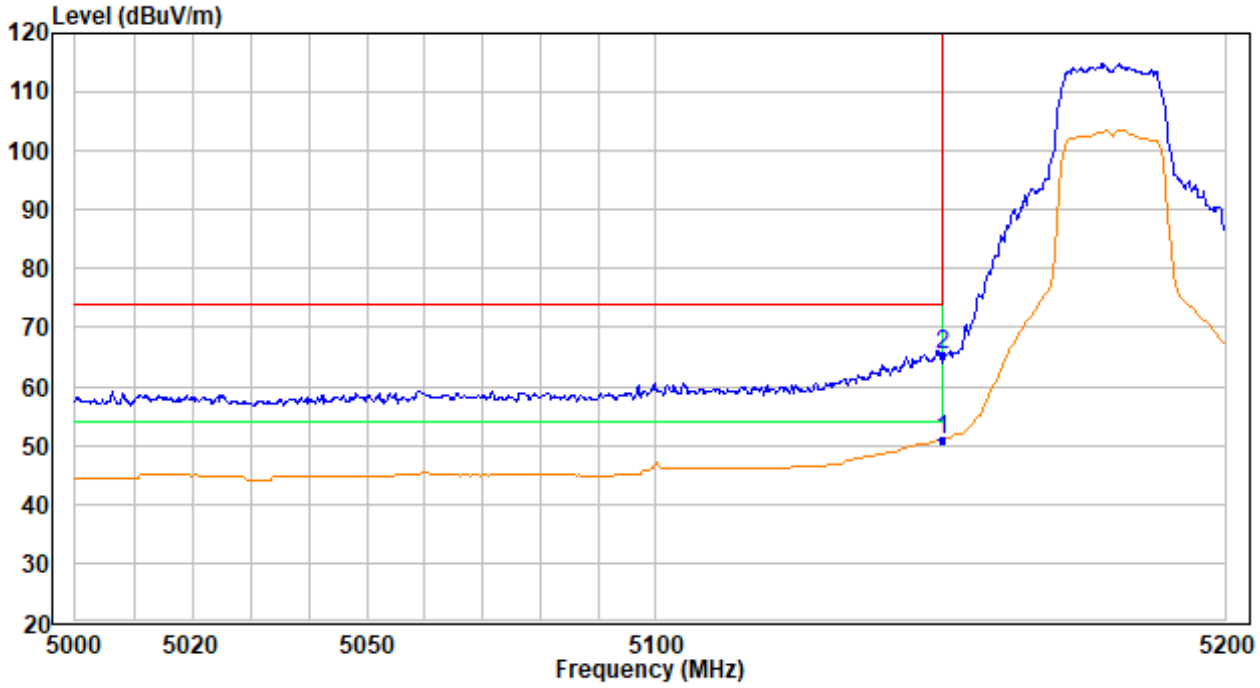
Test Channel:	Channel 114	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	56.09	68.20	42.73	54.00	PASS
5470.000	55.62	68.20	42.75	68.20	PASS
5725.000	56.26	68.20	44.00	54.00	PASS

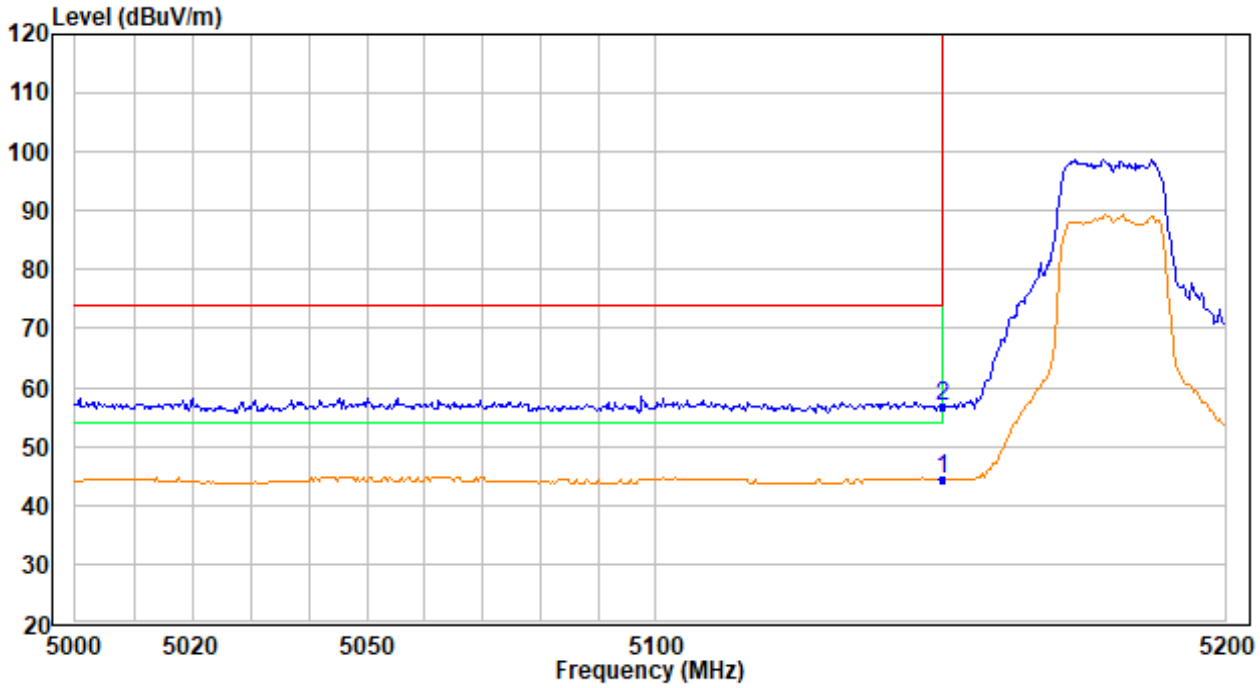
MIMO_ Ant. 1+2_IEEE 802.11ax-HE20_SU

Test Channel:	Channel 36	Ant. Polar. :	Horizontal



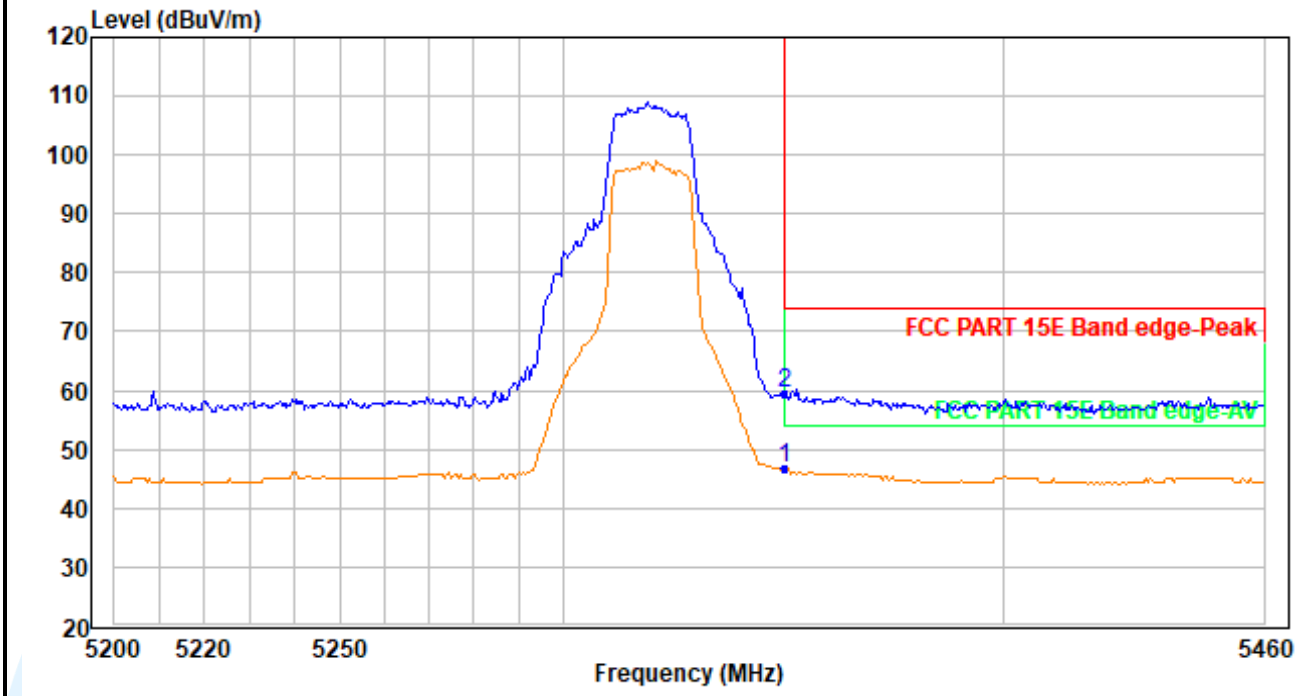
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	65.44	74.00	50.89	54.00	PASS

Test Channel:	Channel 36	Ant. Polar. :	Vertical



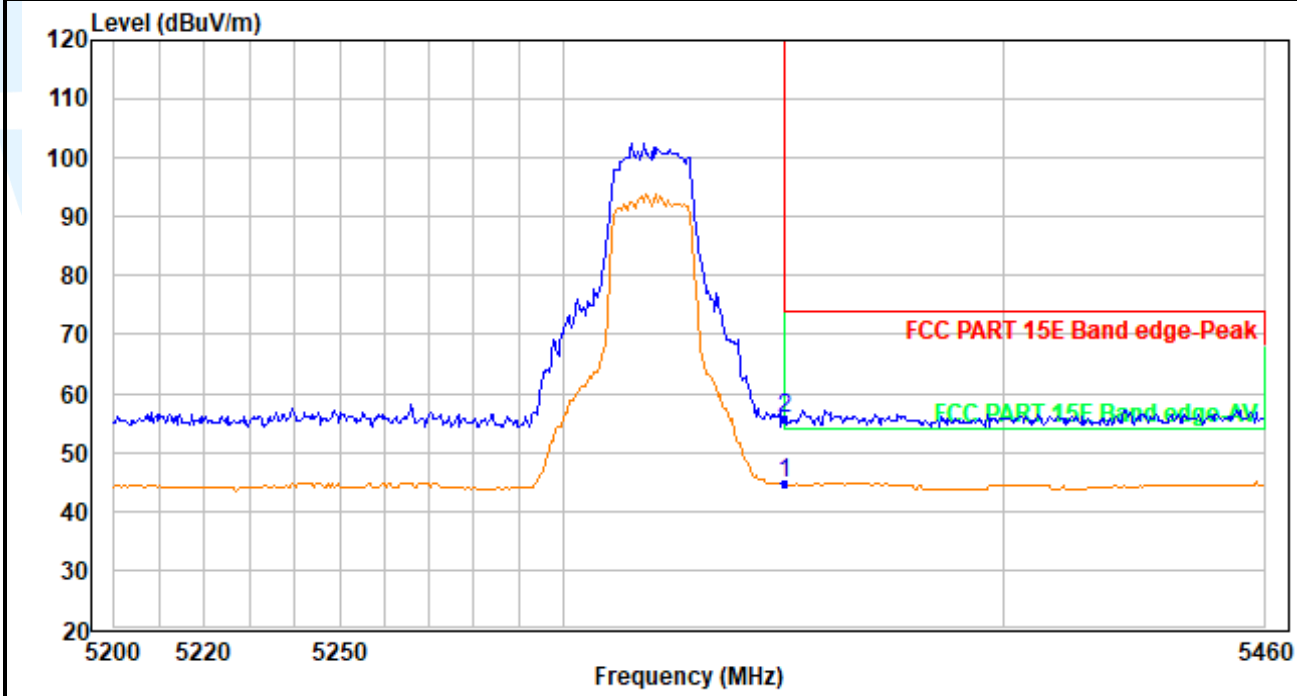
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	56.71	74.00	44.37	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Horizontal



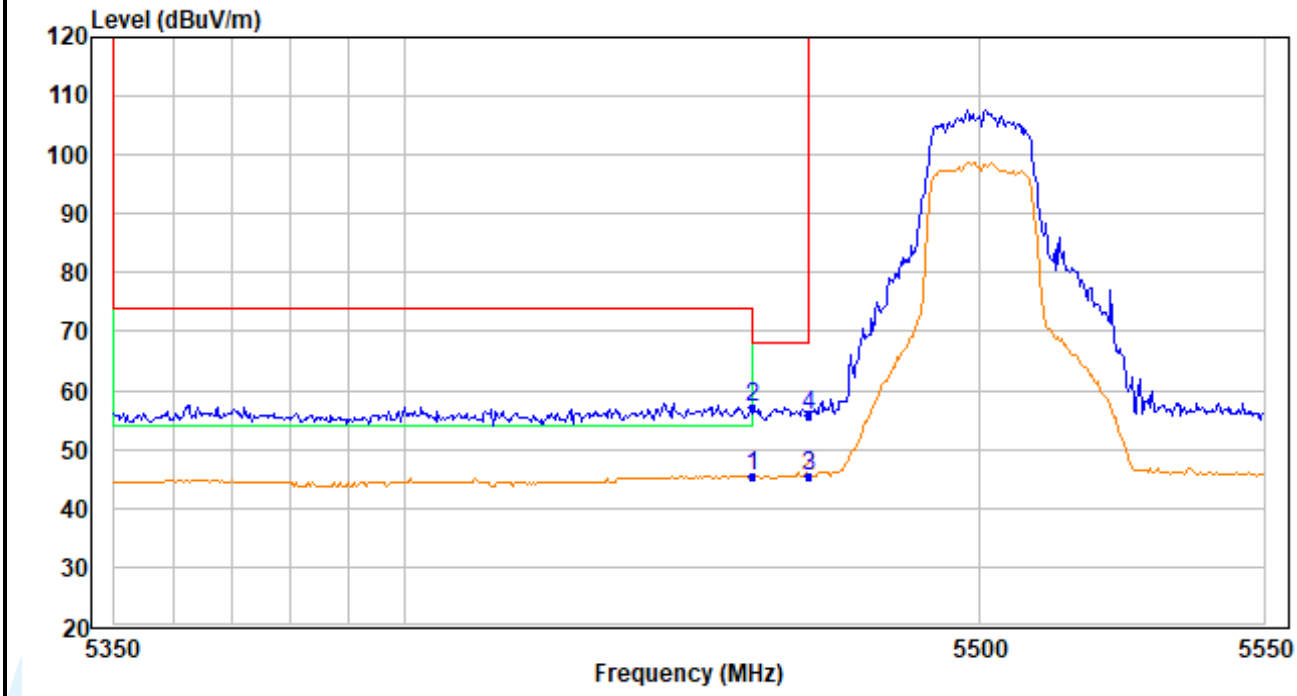
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	59.59	74.00	46.65	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Vertical



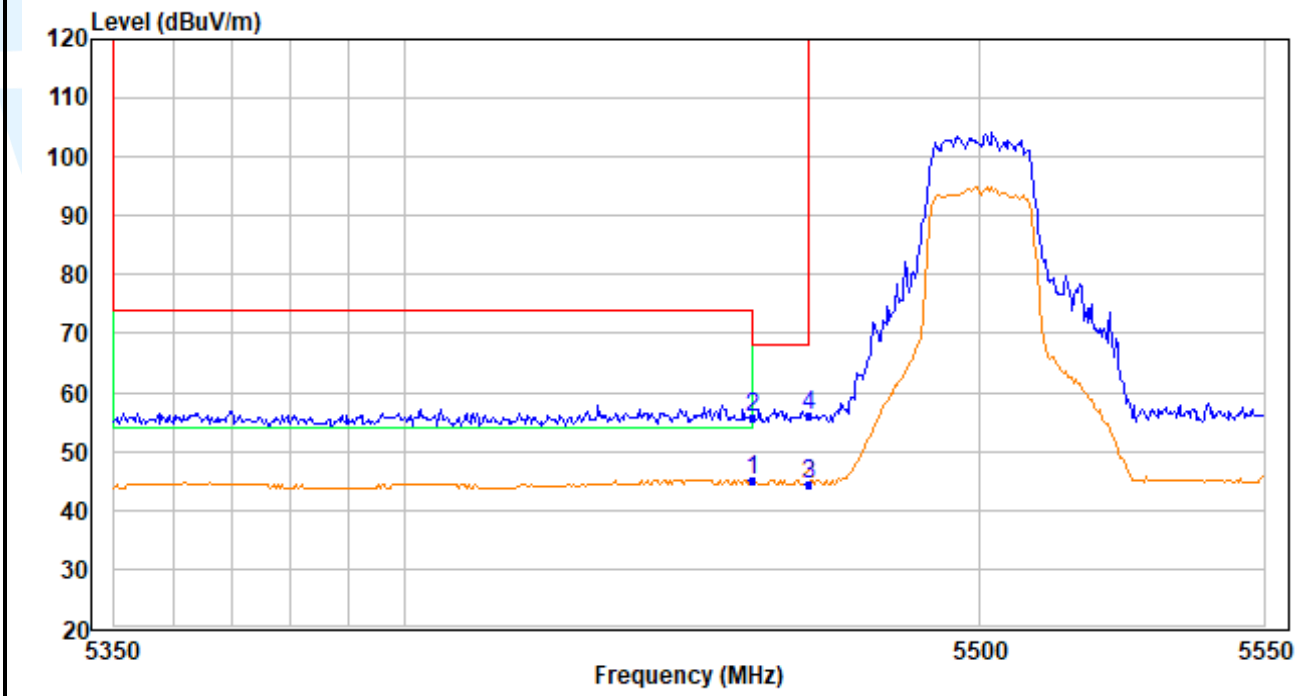
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	55.63	74.00	44.82	54.00	PASS

Test Channel:	Channel 100	Ant. Polar. :	Horizontal



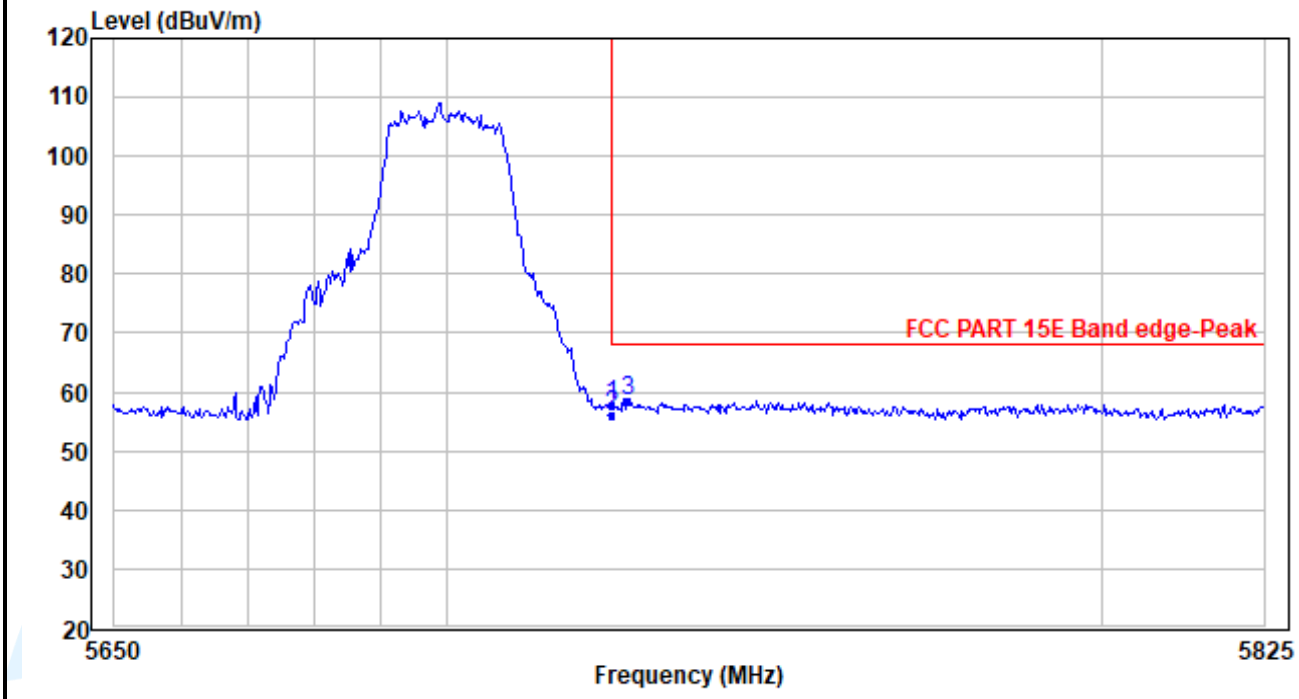
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	57.23	68.20	45.56	54.00	PASS
5470.000	55.74	68.20	45.58	68.20	PASS

Test Channel:	Channel 100	Ant. Polar. :	Vertical



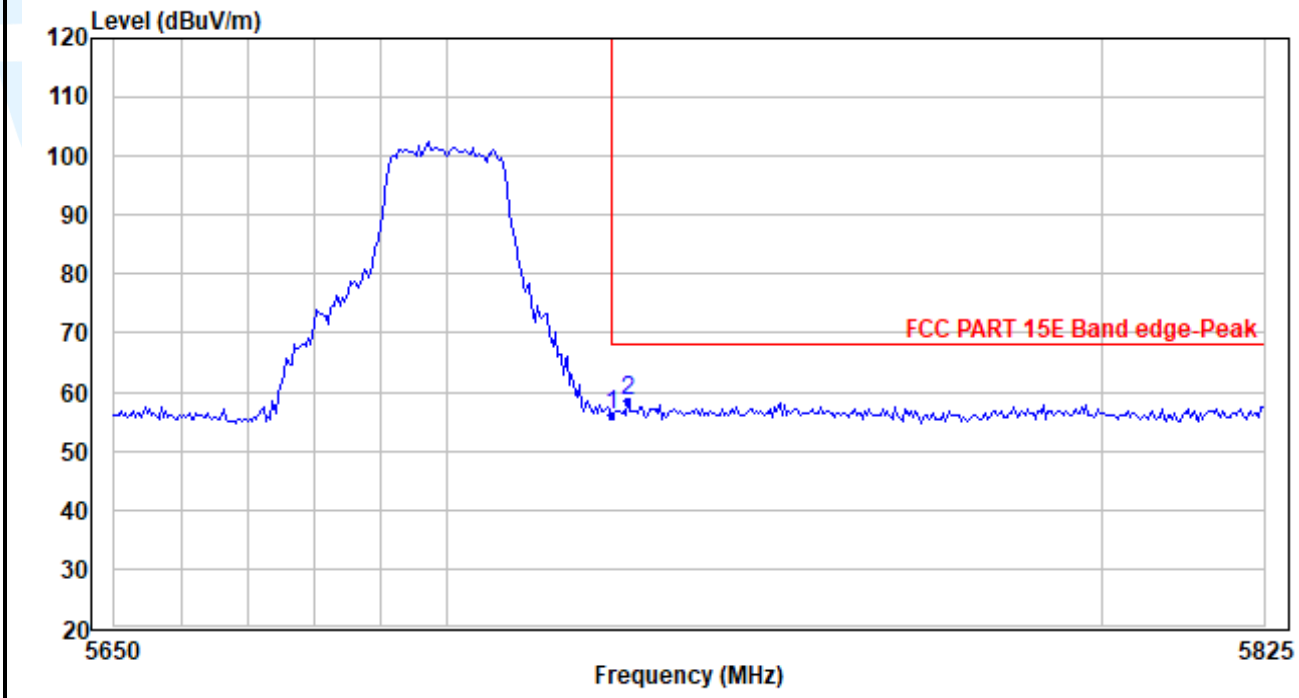
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	55.72	68.20	45.06	54.00	PASS
5470.000	56.18	68.20	44.56	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Horizontal



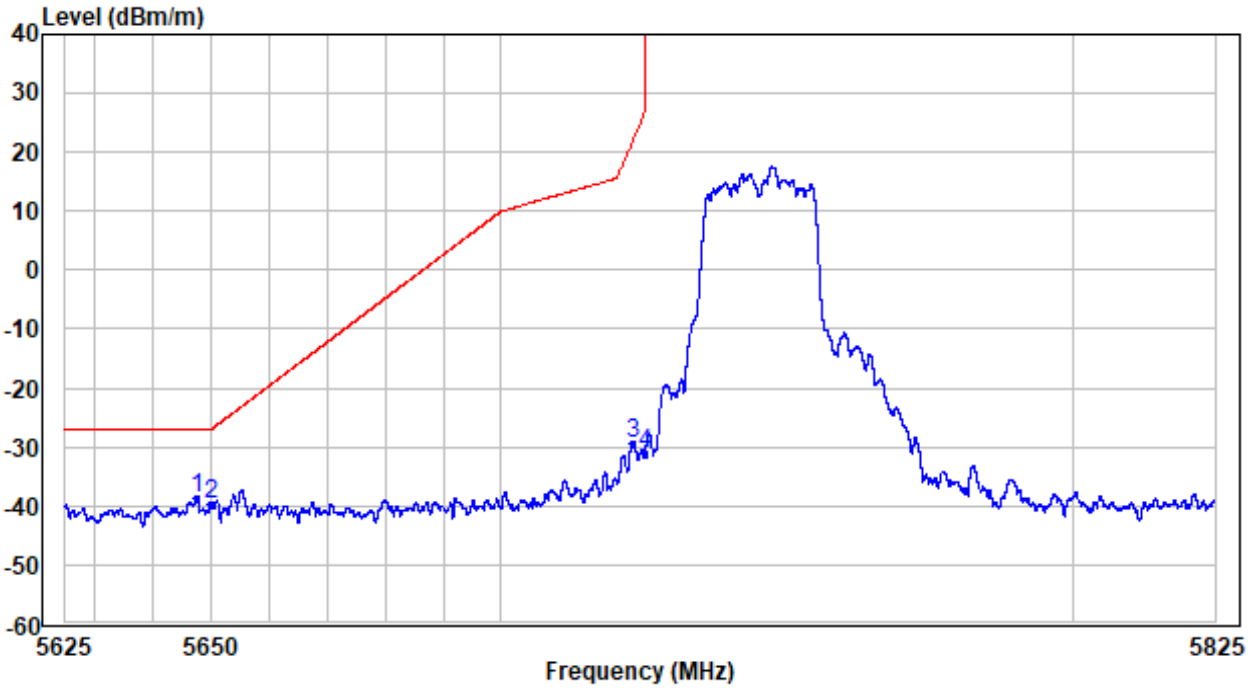
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	56.05	68.20	PASS
5727.505	58.35	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Vertical



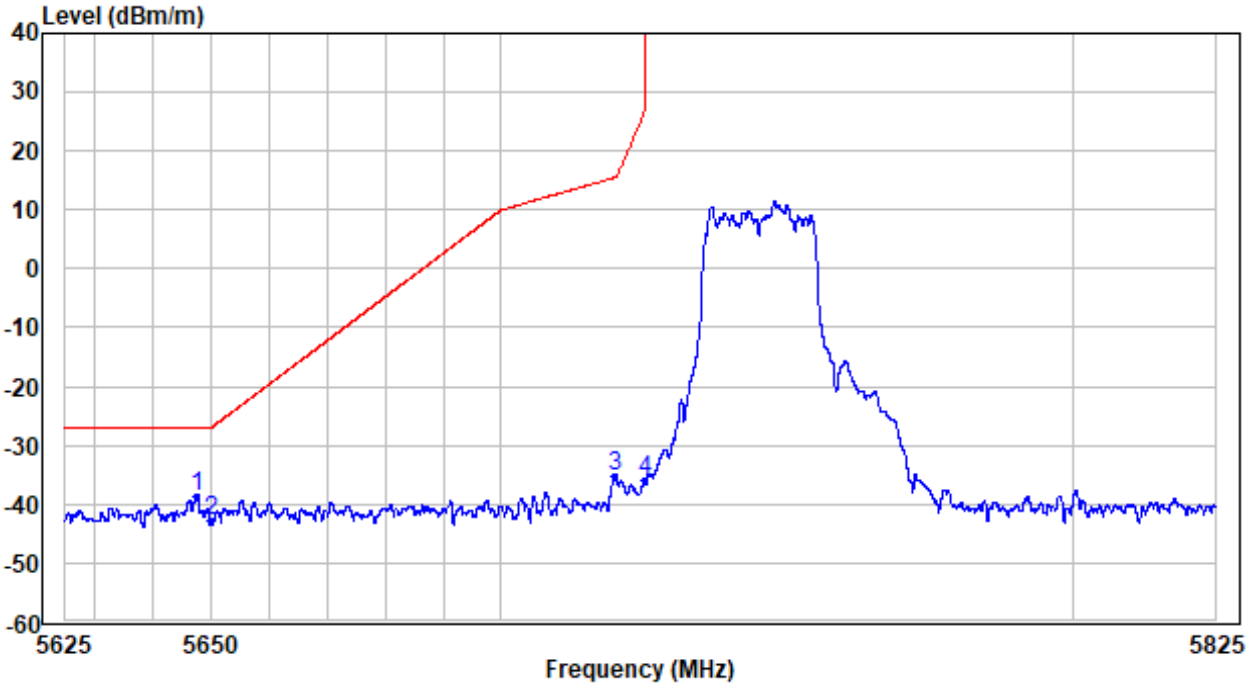
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	56.05	68.20	PASS

5727.505	58.35	68.20	PASS
Test Channel:	**Channel 149**	**Ant. Polar. :**	**Horizontal**



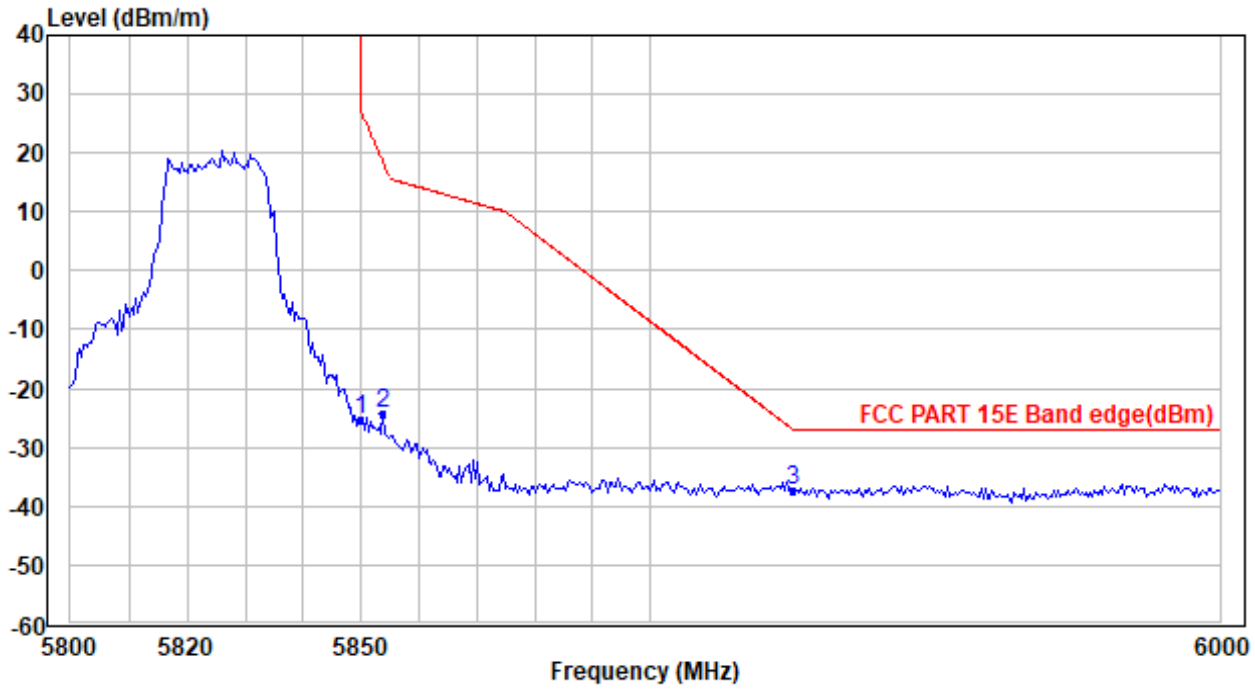
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5647.452	-38.60	-27.00	PASS
5650.002	-39.82	-27.00	PASS
5722.870	-29.36	22.14	PASS
5725.000	-31.19	27.00	PASS

Test Channel:	Channel 149	Ant. Polar. :	Vertical



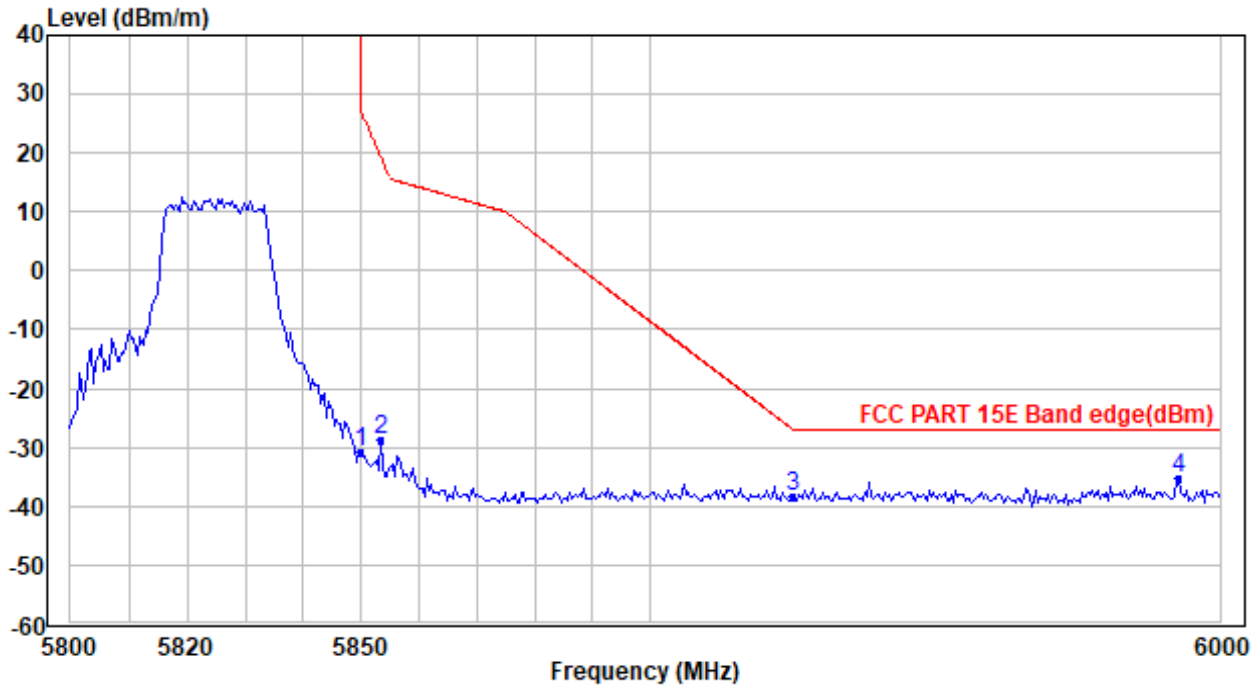
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5647.462	-38.60	-27.00	PASS
5650.002	-42.92	-27.00	PASS
5719.790	-35.36	15.54	PASS
5725.000	-36.10	27.00	PASS

Test Channel:	Channel 165	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-25.12	27.00	PASS
5853.708	-24.30	18.55	PASS
5925.000	-37.44	-27.00	PASS

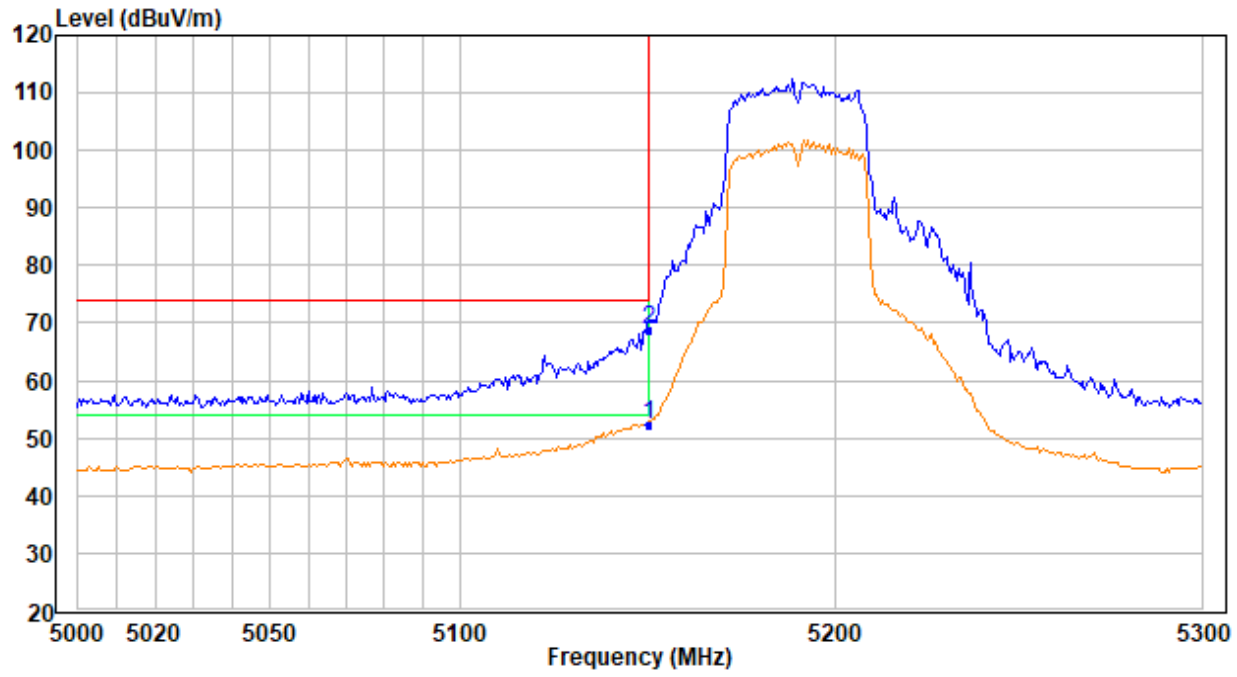
Test Channel:	Channel 165	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-30.71	27.00	PASS
5853.307	-28.76	19.46	PASS
5925.000	-38.28	-27.00	PASS
5992.786	-35.36	-27.00	PASS

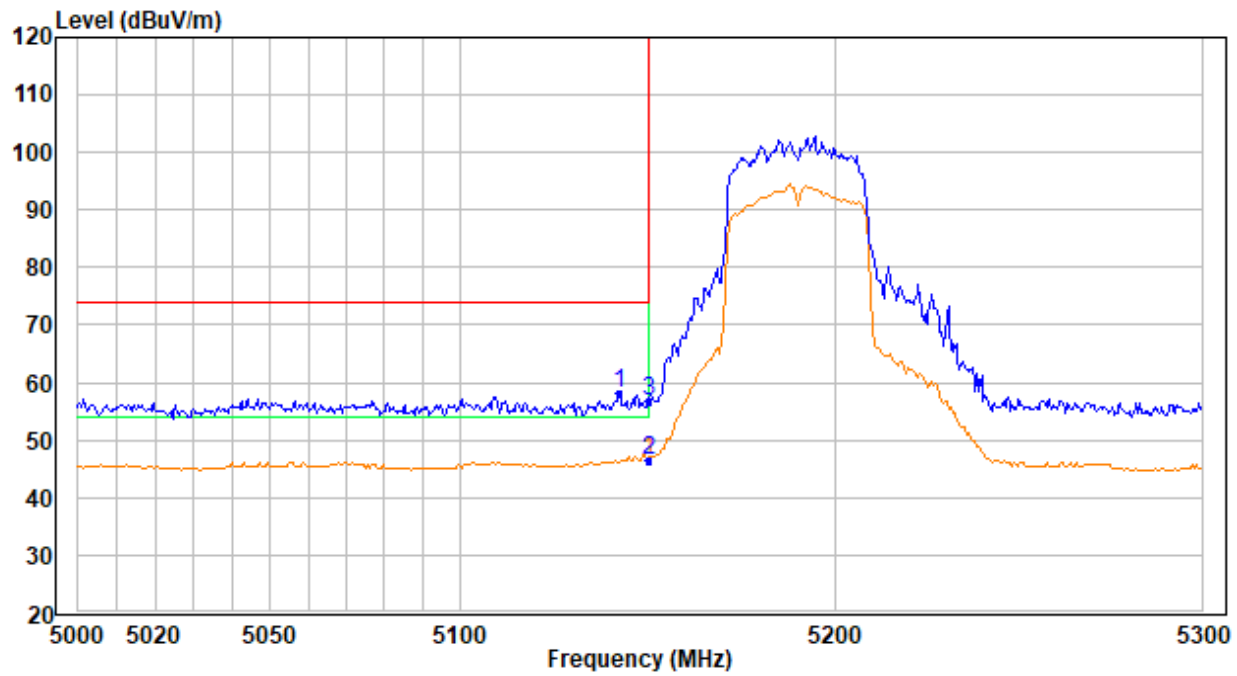
MIMO_ Ant. 1+2_IEEE 802.11ax-HE40_SU

Test Channel:	Channel 38	Ant. Polar. :	Horizontal



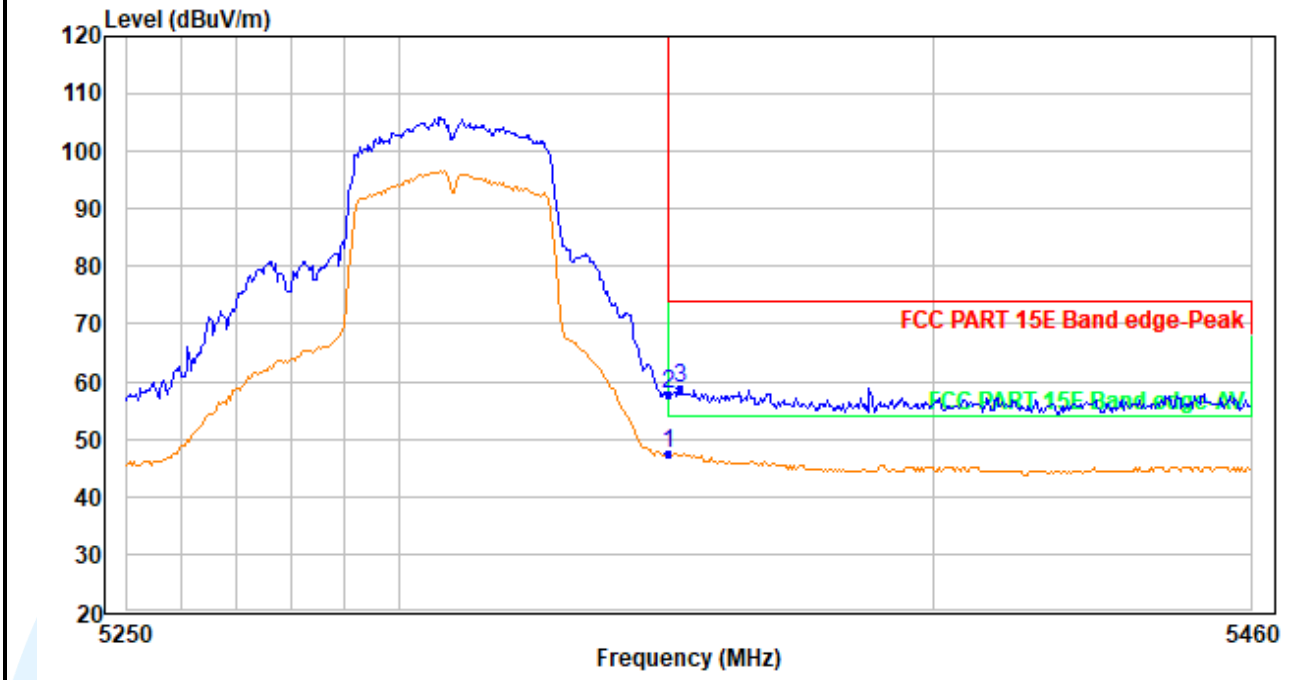
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	68.74	74.00	52.43	54.00	PASS

Test Channel:	Channel 38	Ant. Polar. :	Vertical



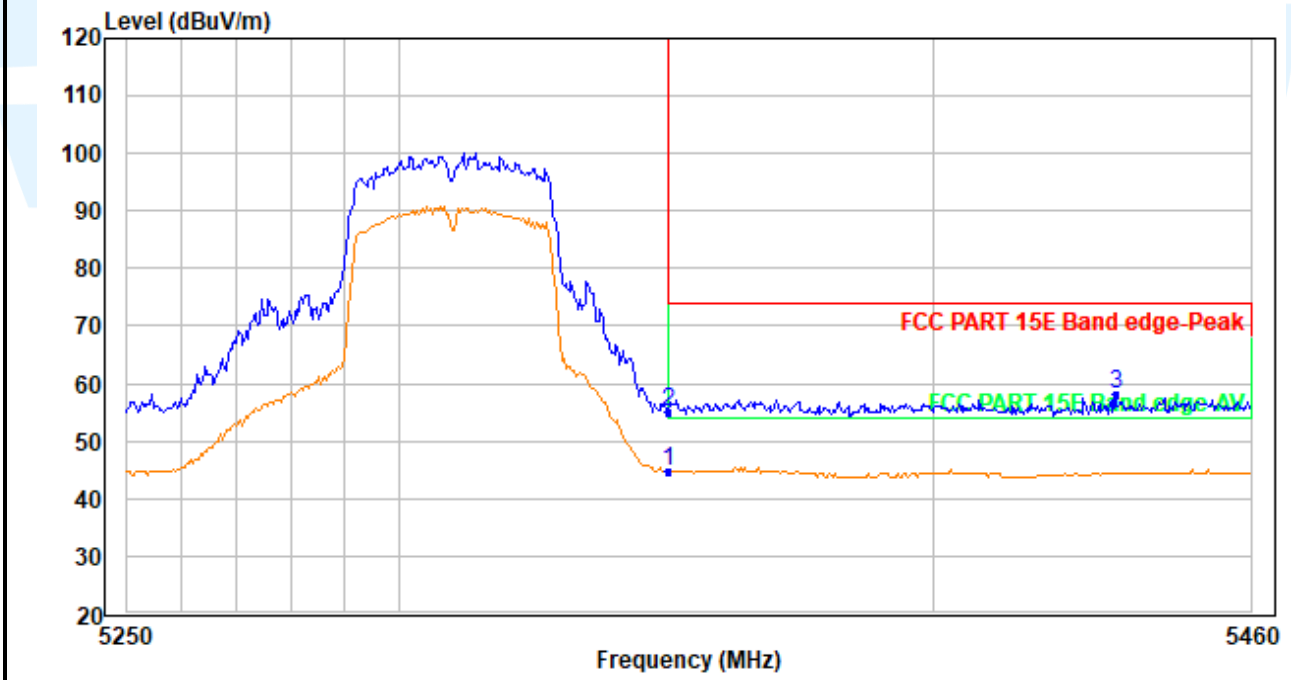
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5142.485	58.24	74.00	--	--	PASS
5150.000	56.61	74.00	46.61	54.00	PASS

Test Channel:	Channel 62	Ant. Polar. :	Horizontal



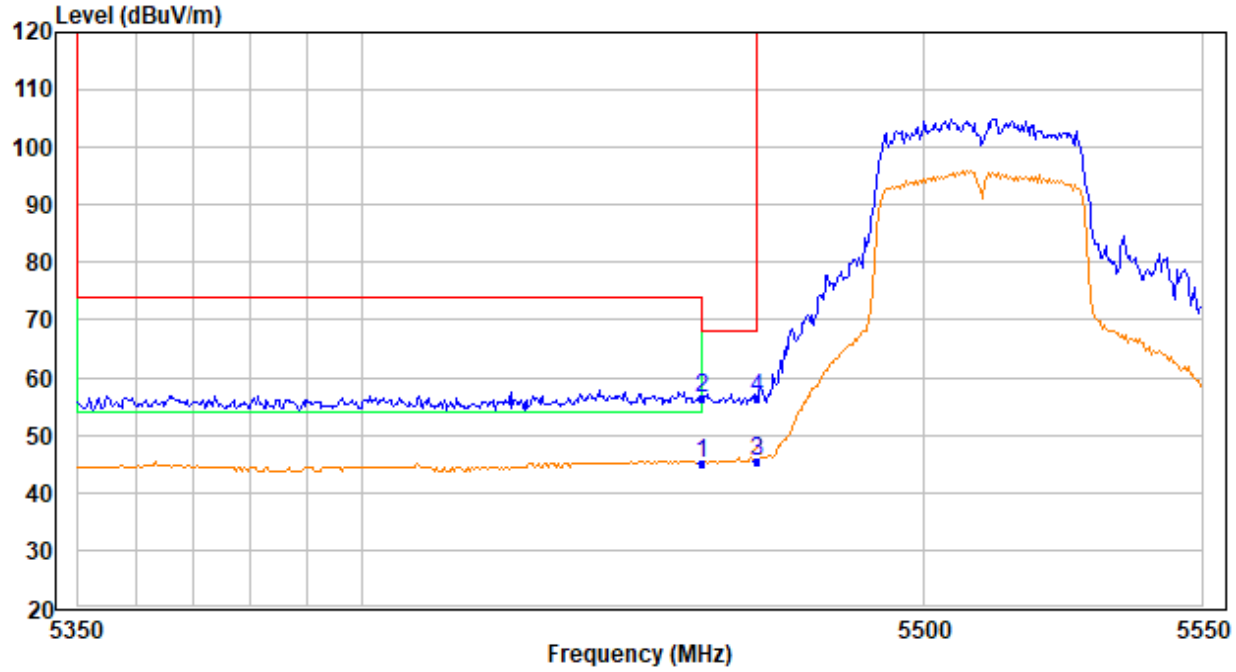
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	57.94	74.00	47.44	54.00	PASS
5352.265	58.70	74.00	--	--	PASS

Test Channel:	Channel 62	Ant. Polar. :	Vertical



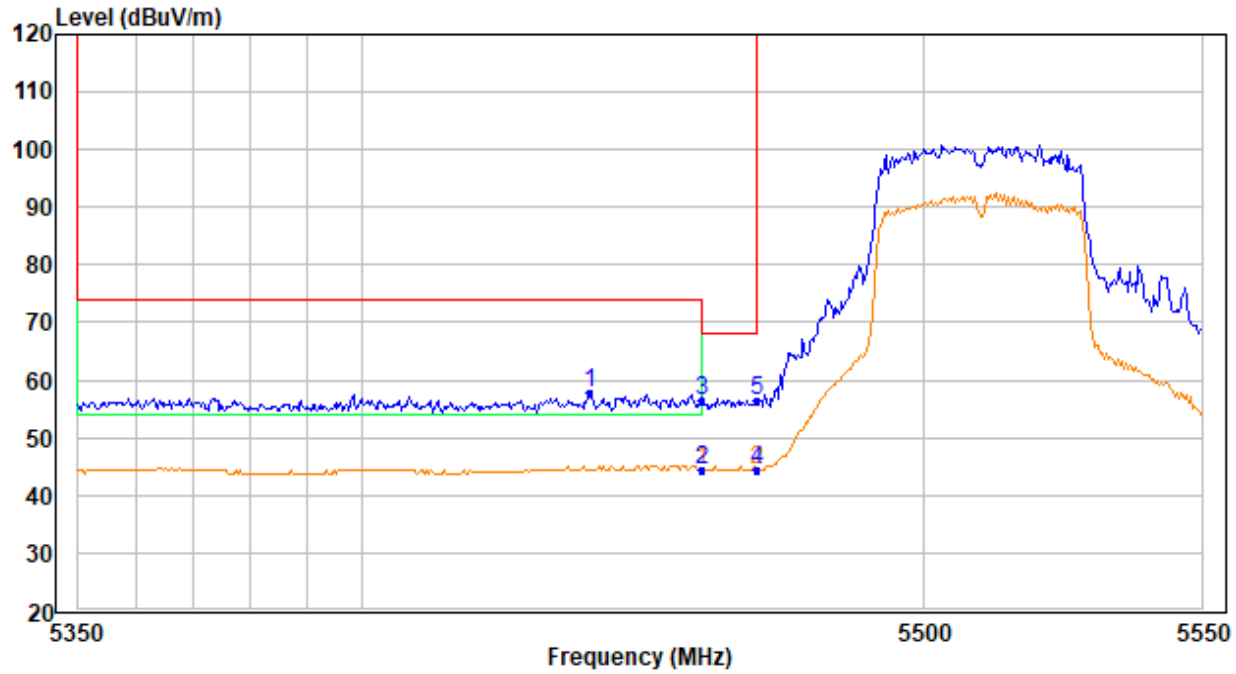
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	55.17	74.00	44.82	54.00	PASS
5434.329	58.24	74.00	--	--	PASS

Test Channel:	Channel 102	Ant. Polar. :	Horizontal



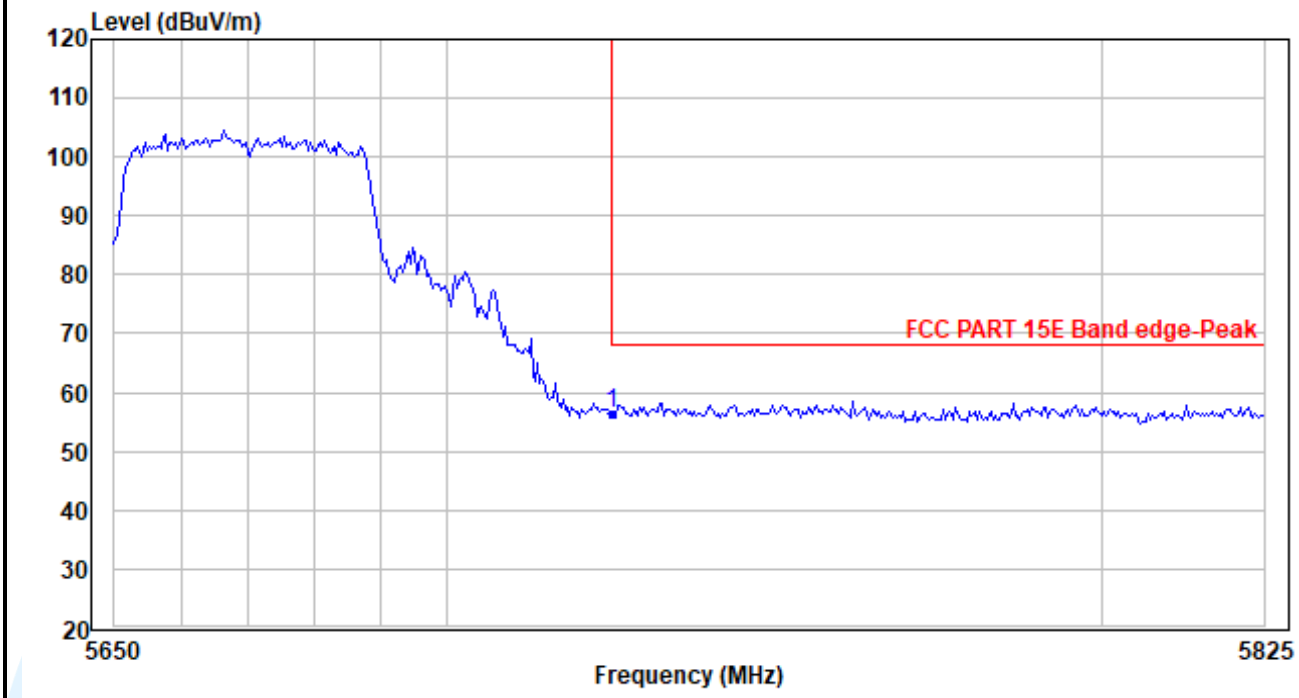
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	56.44	68.20	45.06	54.00	PASS
5470.000	56.32	68.20	45.58	68.20	PASS

Test Channel:	Channel 102	Ant. Polar. :	Vertical



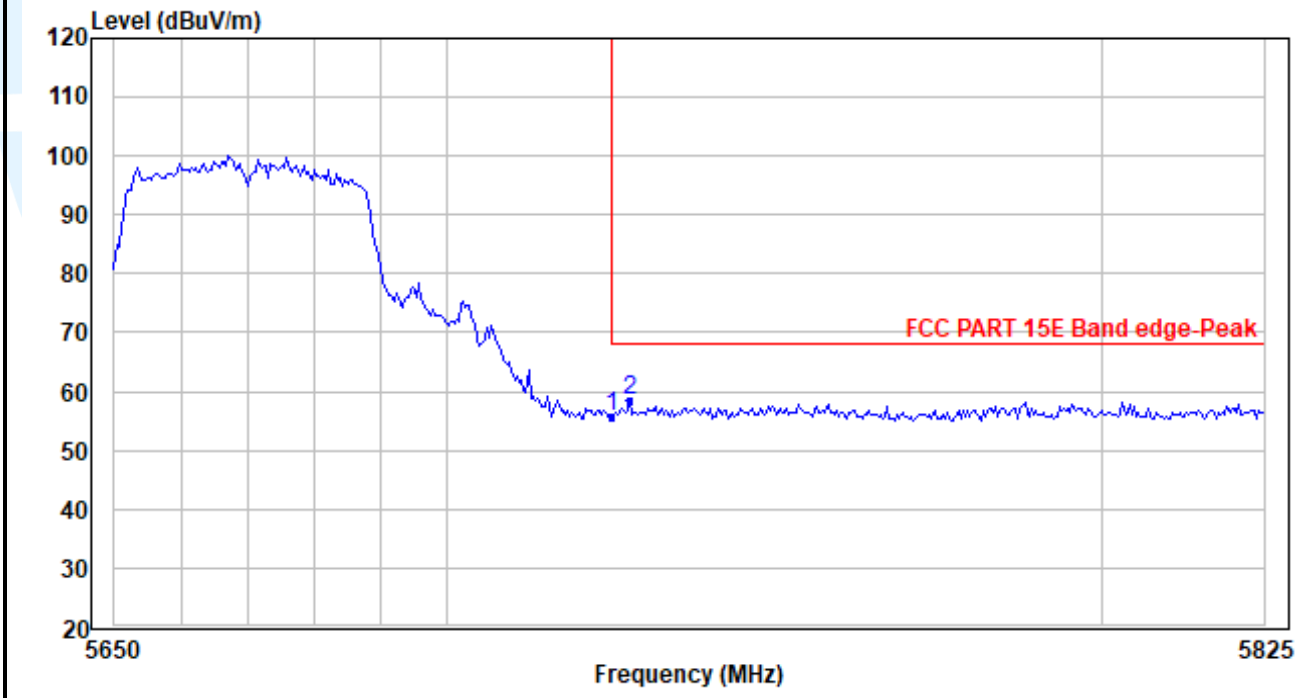
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5440.180	57.67	74.00	--	--	PASS
5460.000	56.57	68.20	44.53	54.00	PASS
5470.000	56.32	68.20	44.56	68.20	PASS

Test Channel:	Channel 134	Ant. Polar. :	Horizontal



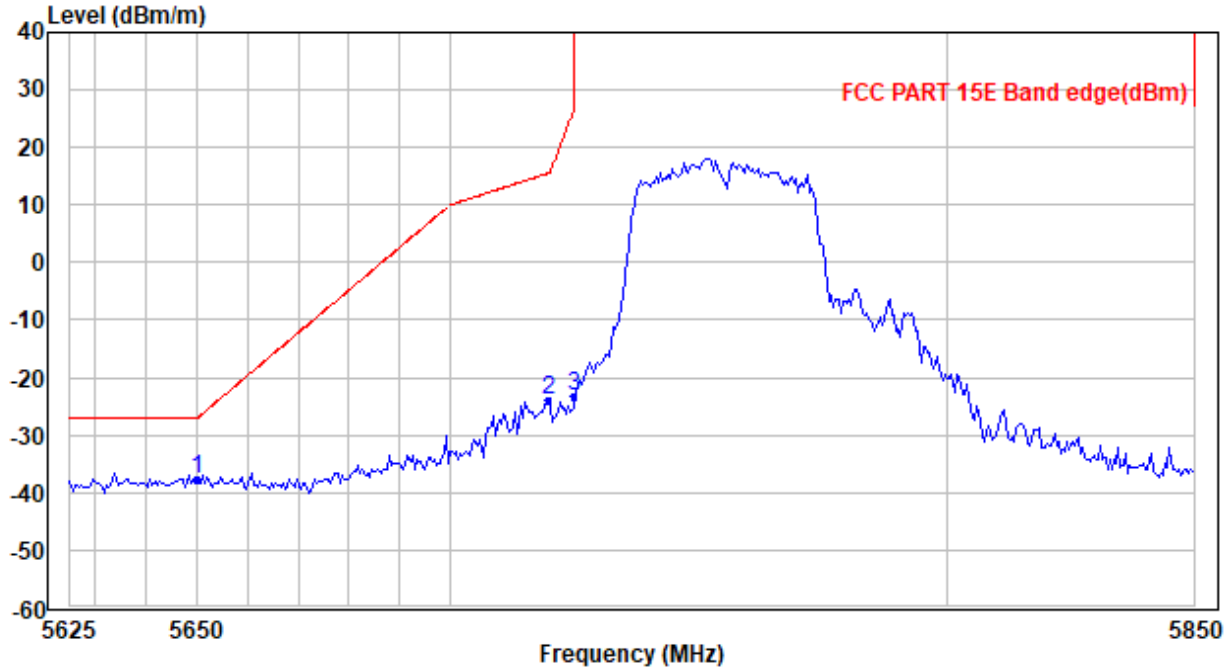
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	56.35	68.20	PASS

Test Channel:	Channel 134	Ant. Polar. :	Vertical



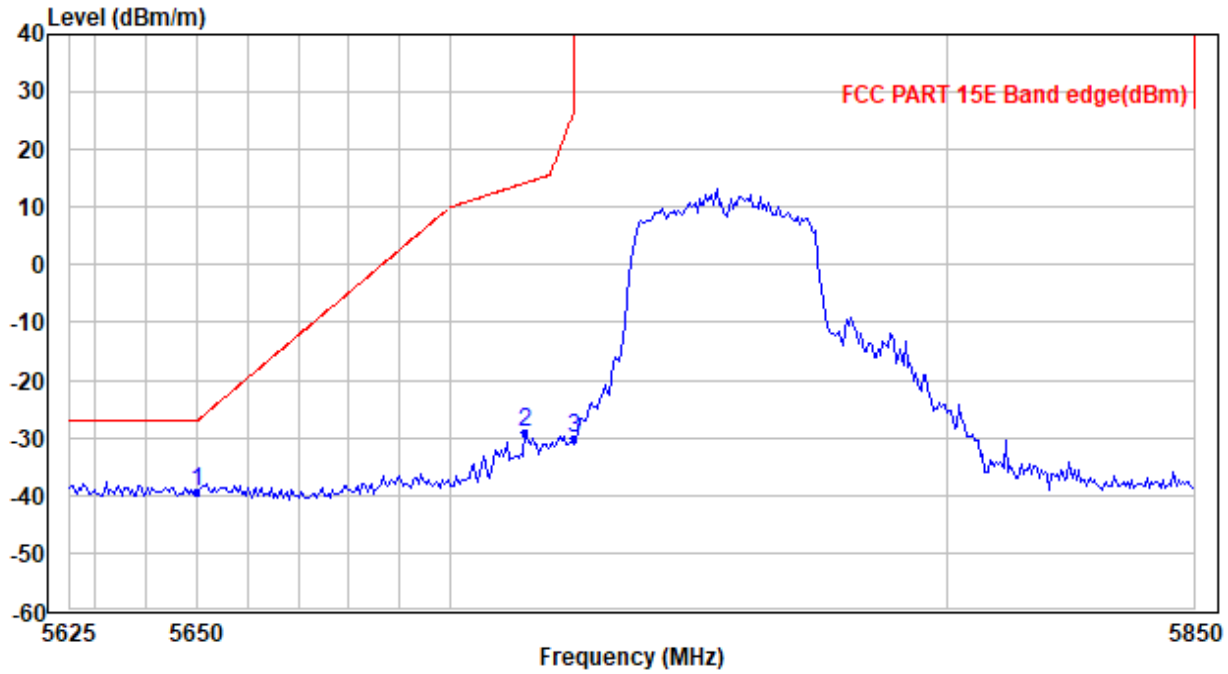
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	55.73	68.20	PASS
5727.855	58.47	68.20	PASS

Test Channel:	Channel 151	Ant. Polar. :	Horizontal



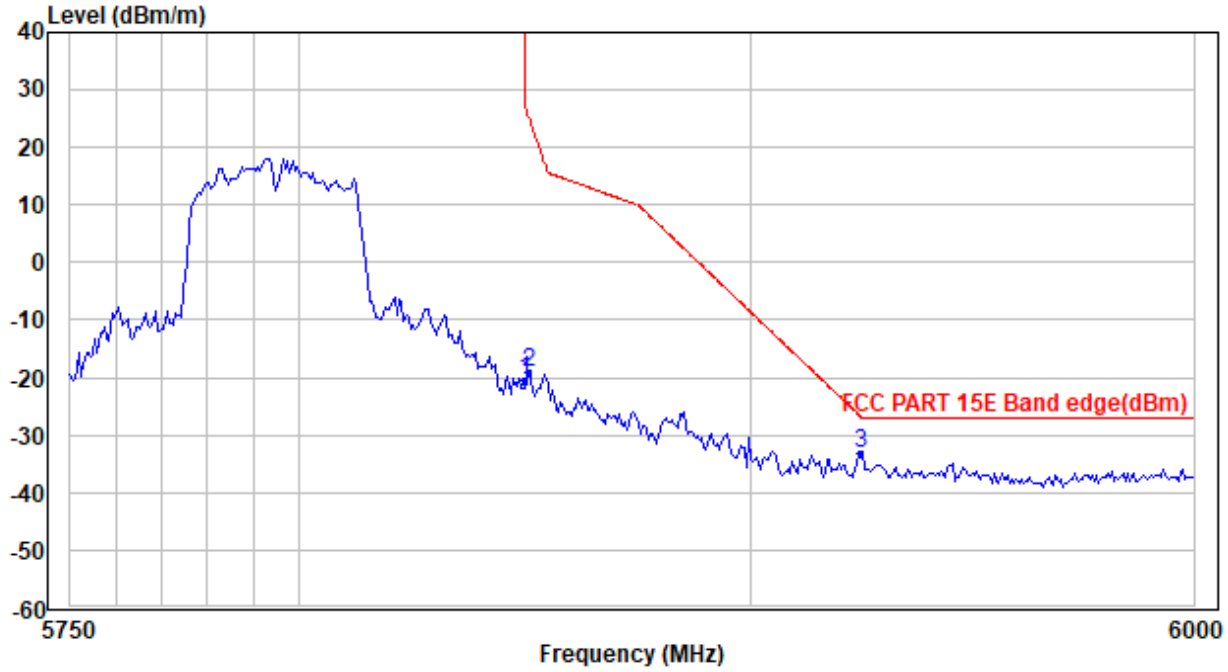
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-37.58	-27.00	PASS
5719.689	-23.87	15.51	PASS
5725.000	-23.25	27.00	PASS

Test Channel:	Channel 151	Ant. Polar. :	Vertical



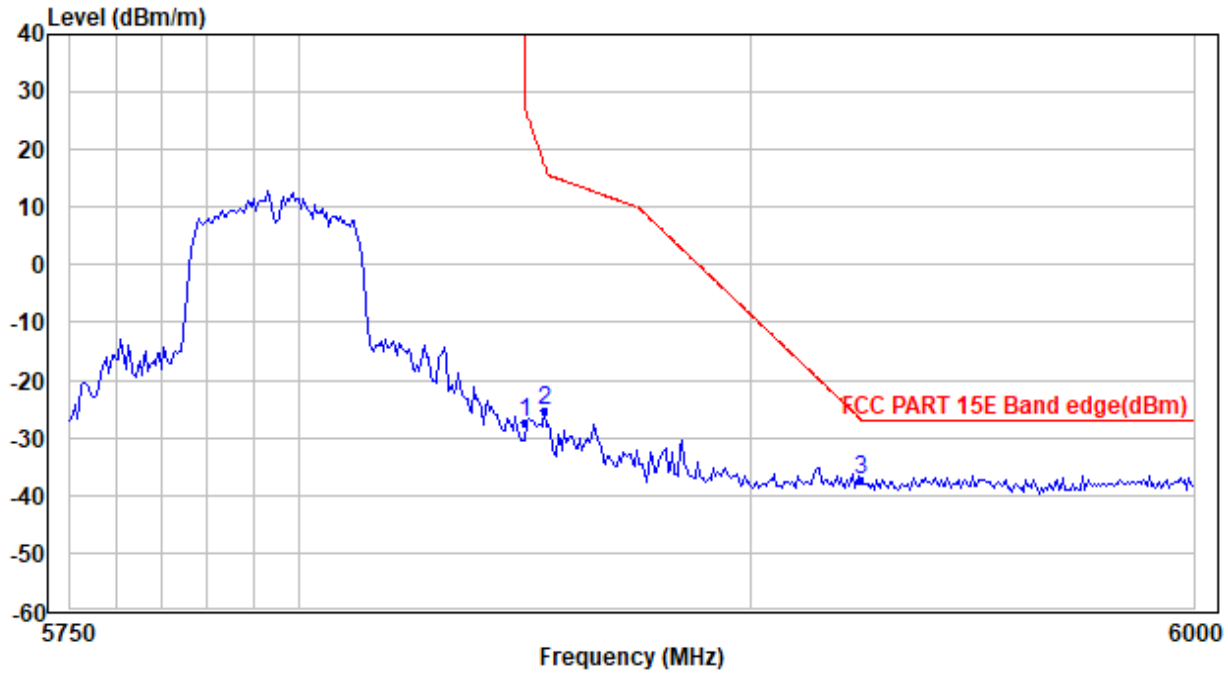
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-39.40	-27.00	PASS
5715.180	-29.10	14.25	PASS
5725.000	-30.26	27.00	PASS

Test Channel:	Channel 159	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-20.42	27.00	PASS
5850.701	-19.28	25.40	PASS
5925.000	-33.36	-27.00	PASS

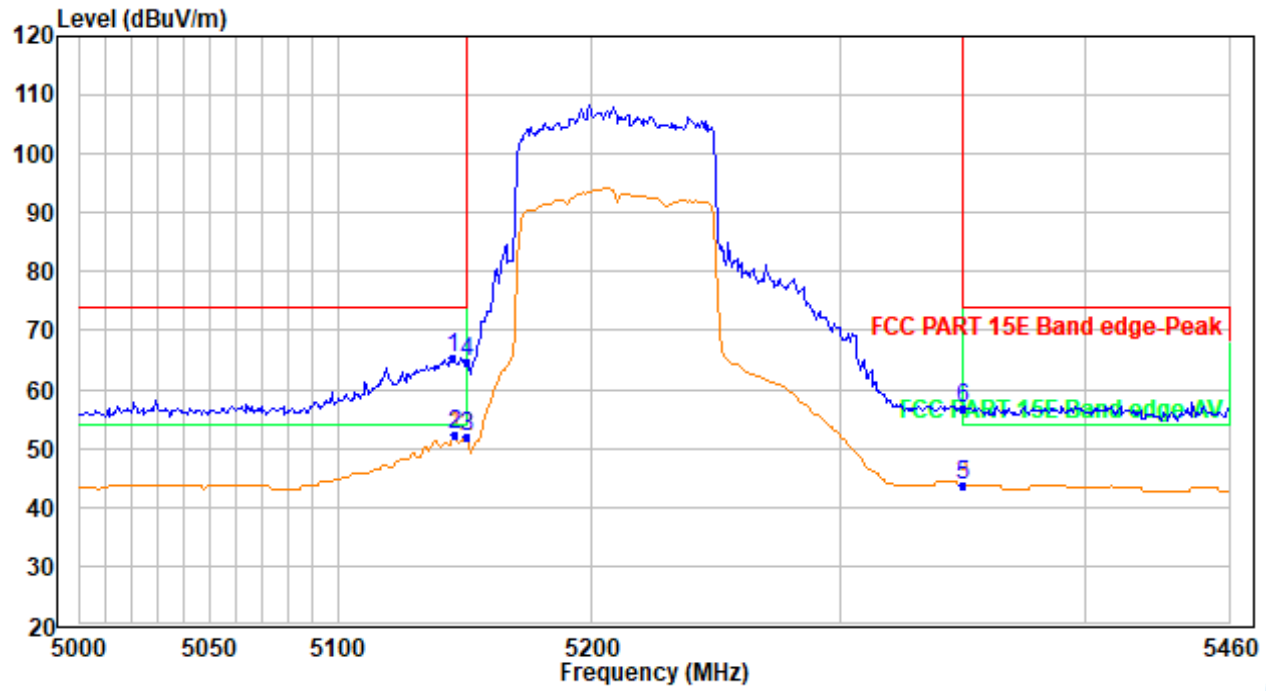
Test Channel:	Channel 159	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5850.000	-27.52	27.00	PASS
5854.208	-25.37	17.40	PASS
5925.000	-37.31	-27.00	PASS

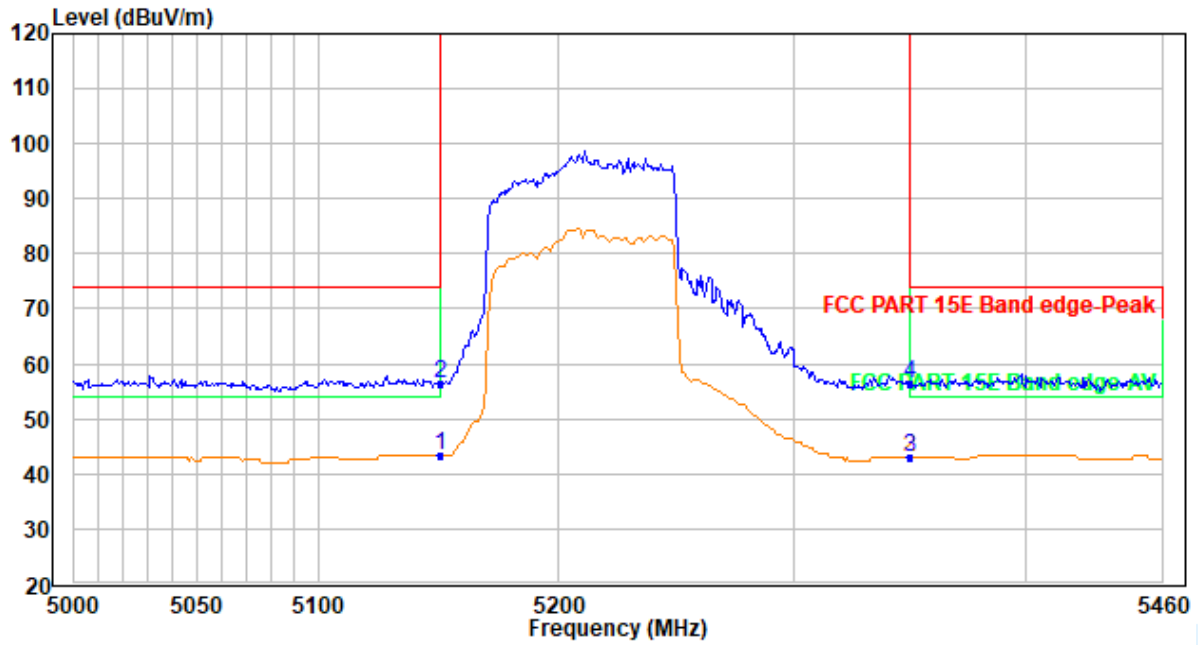
MIMO_ Ant. 1+2_IEEE 802.11ax-HE80

Test Channel:	Channel 42	Ant. Polar. :	Horizontal



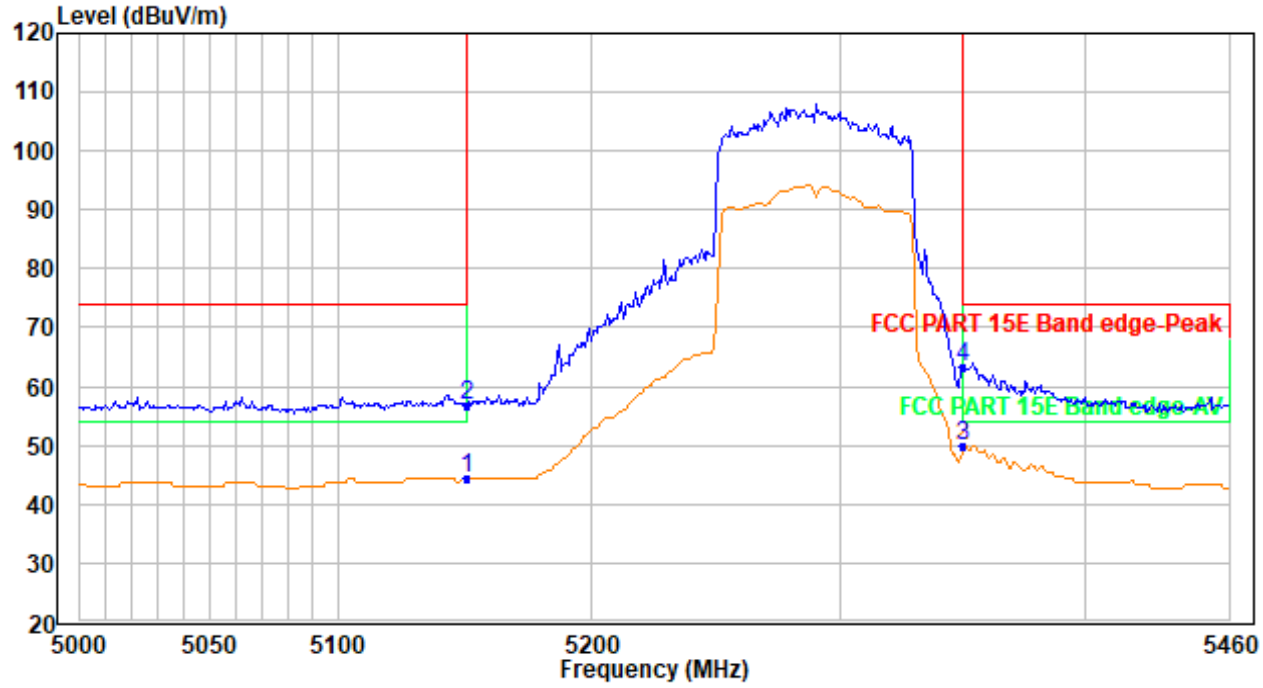
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5144.729	65.44	74.00	--	--	PASS
5145.651	--	--	52.22	54.00	PASS
5150.000	64.77	74.00	51.81	54.00	PASS
5350.000	56.60	74.00	43.73	54.00	PASS

Test Channel:	Channel 42	Ant. Polar. :	Vertical



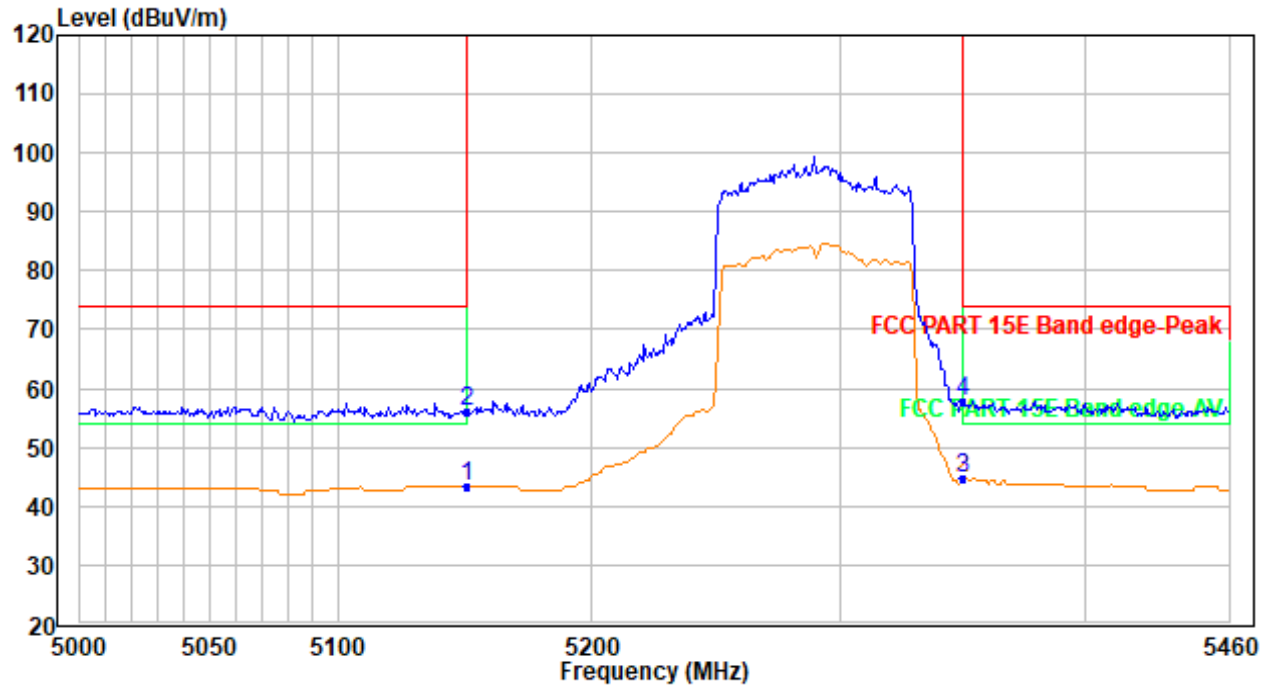
Frequency (MHz)	Peak level (dBμV/m)	Peak Limit (dBμV/m)	AV level (dBμV/m)	AV Limit (dBμV/m)	Conclusion
5150.000	56.51	74.00	43.29	54.00	PASS
5350.000	56.33	74.00	43.13	54.00	PASS

Test Channel:	Channel 58	Ant. Polar. :	Horizontal



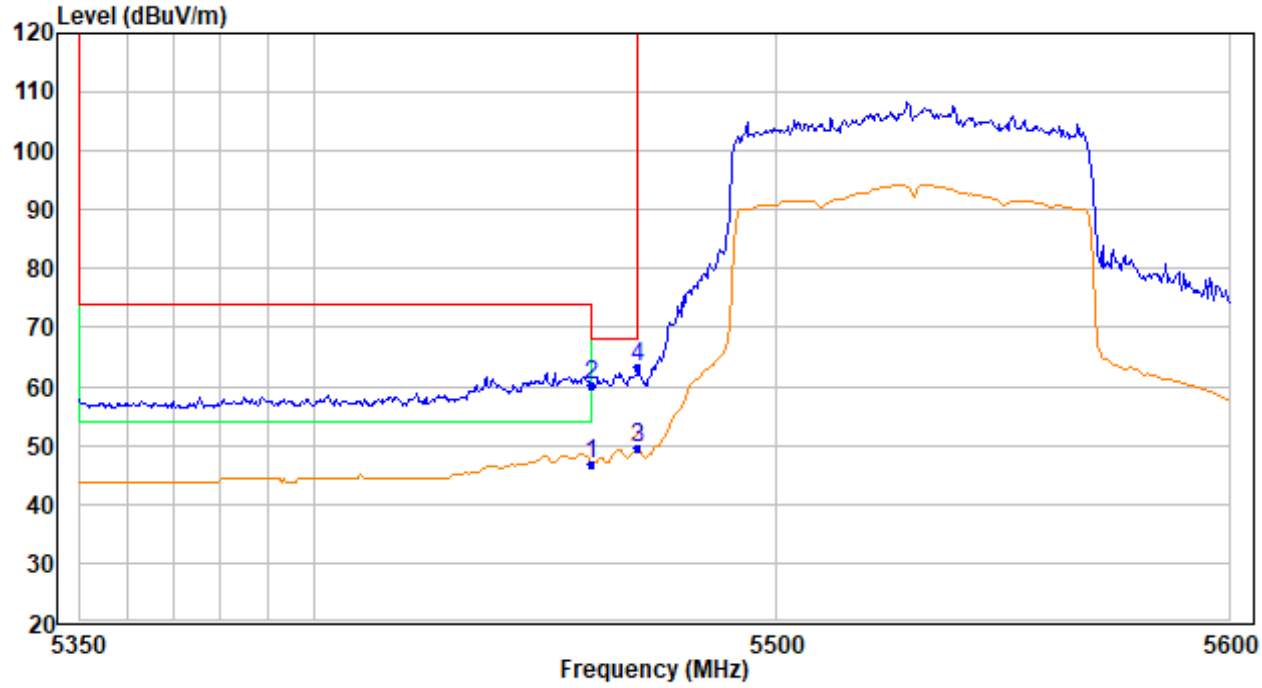
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	56.78	74.00	44.38	54.00	PASS
5350.000	63.45	74.00	50.04	54.00	PASS

Test Channel:	Channel 58	Ant. Polar. :	Vertical



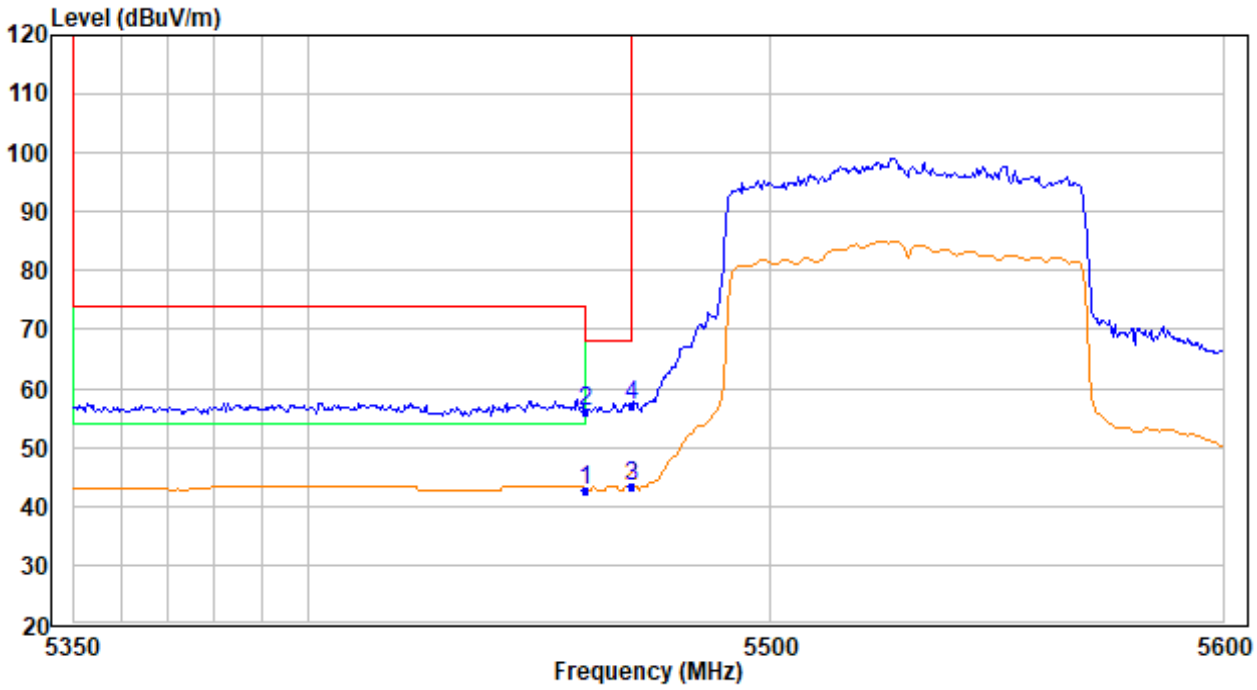
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	56.18	74.00	43.29	54.00	PASS
5350.000	57.85	74.00	44.82	54.00	PASS

Test Channel:	Channel 106	Ant. Polar. :	Horizontal



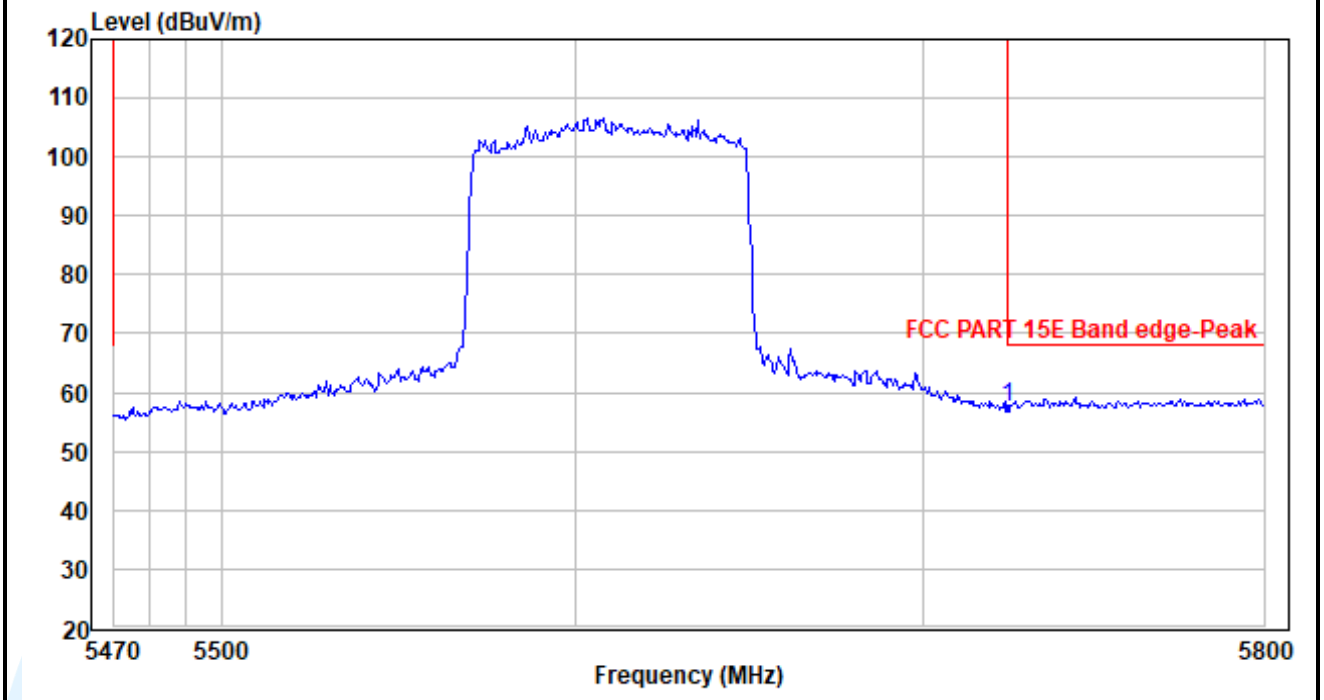
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	60.35	68.20	46.90	54.00	PASS
5470.000	63.27	68.20	49.42	68.20	PASS

Test Channel:	Channel 106	Ant. Polar. :	Vertical



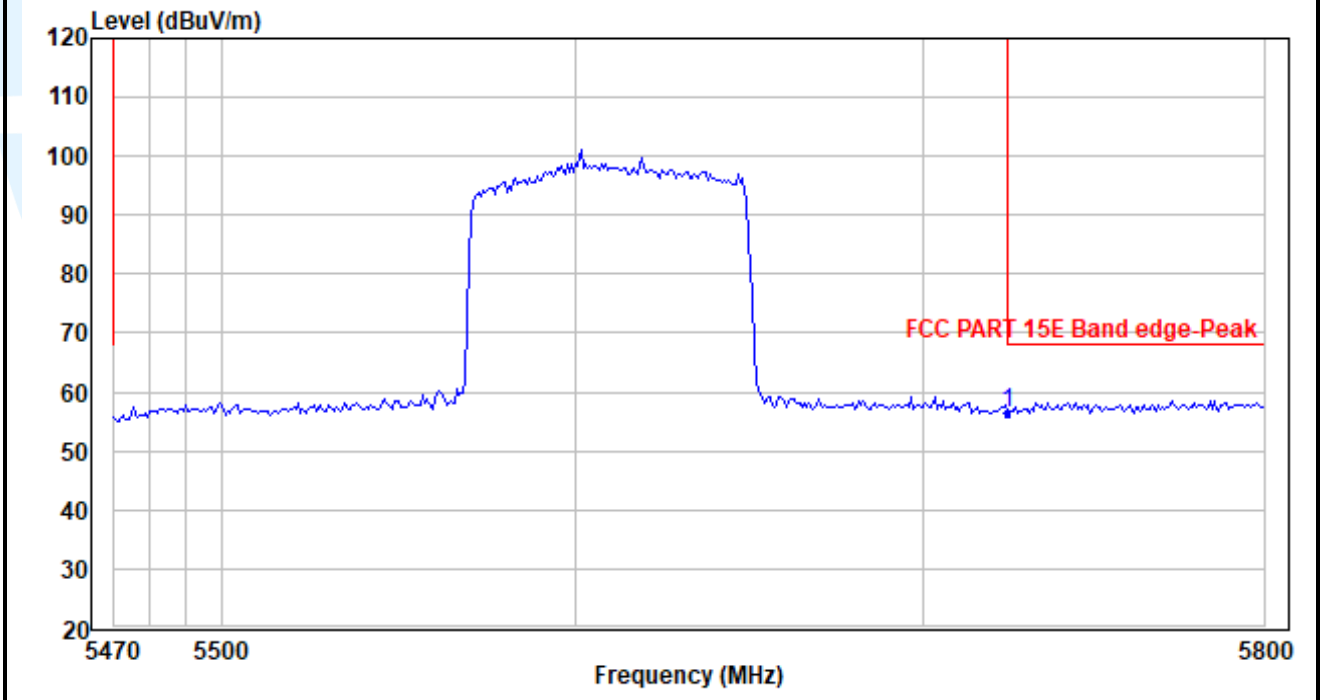
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	56.11	68.20	42.73	54.00	PASS
5470.000	57.00	68.20	43.40	68.20	PASS

Test Channel:	Channel 122	Ant. Polar. :	Horizontal



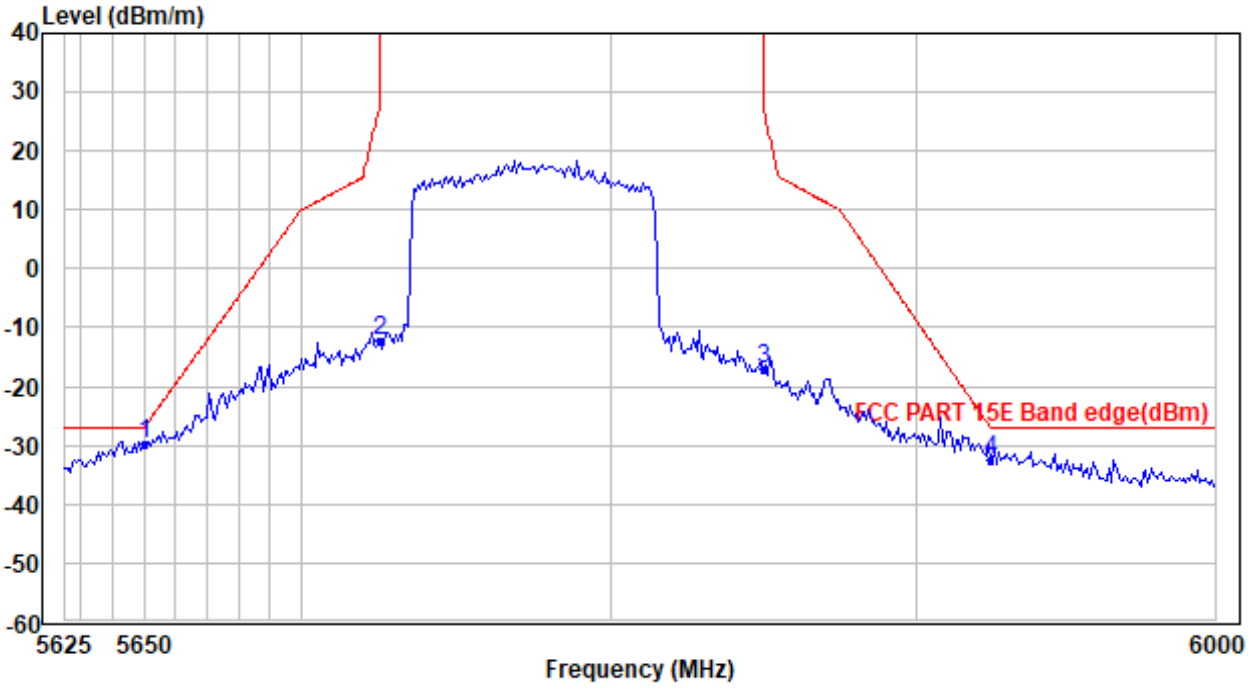
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5725.000	57.41	68.20	PASS

Test Channel:	Channel 122	Ant. Polar. :	Vertical



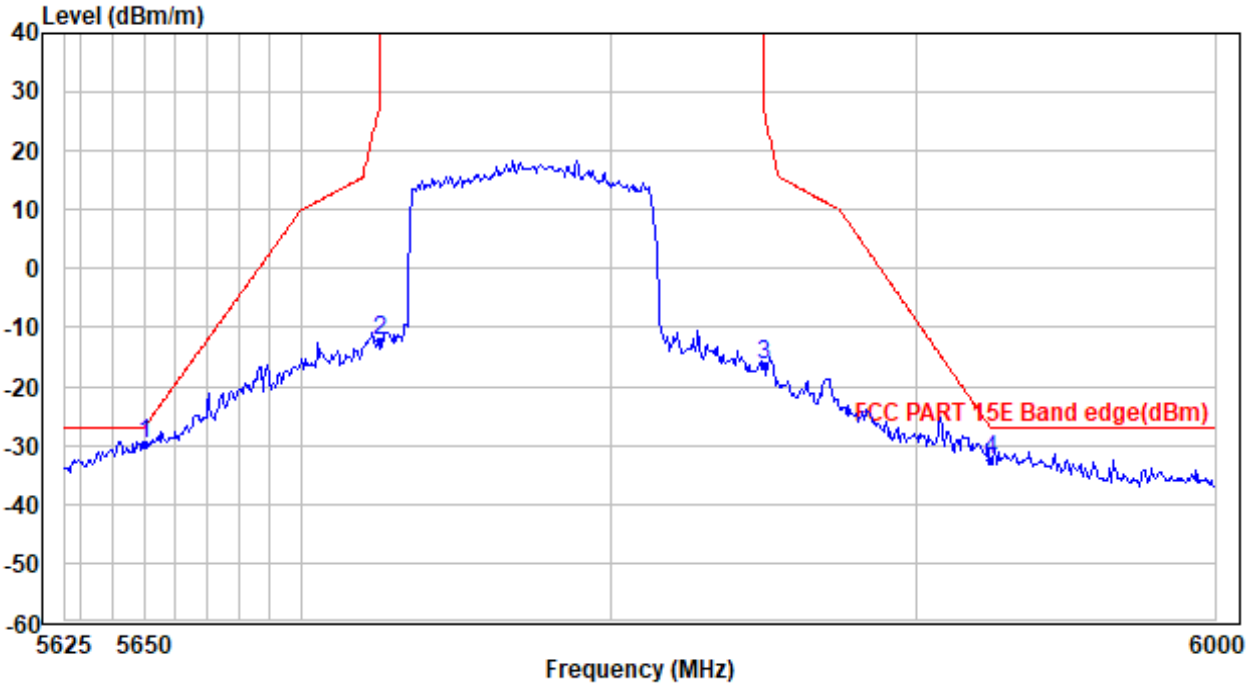
Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5725.000	56.54	68.20	PASS

Test Channel:	Channel 155	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-29.87	-27.00	PASS
5725.000	-12.16	27.00	PASS
5850.000	-17.06	27.00	PASS
5925.000	-32.39	-27.00	PASS

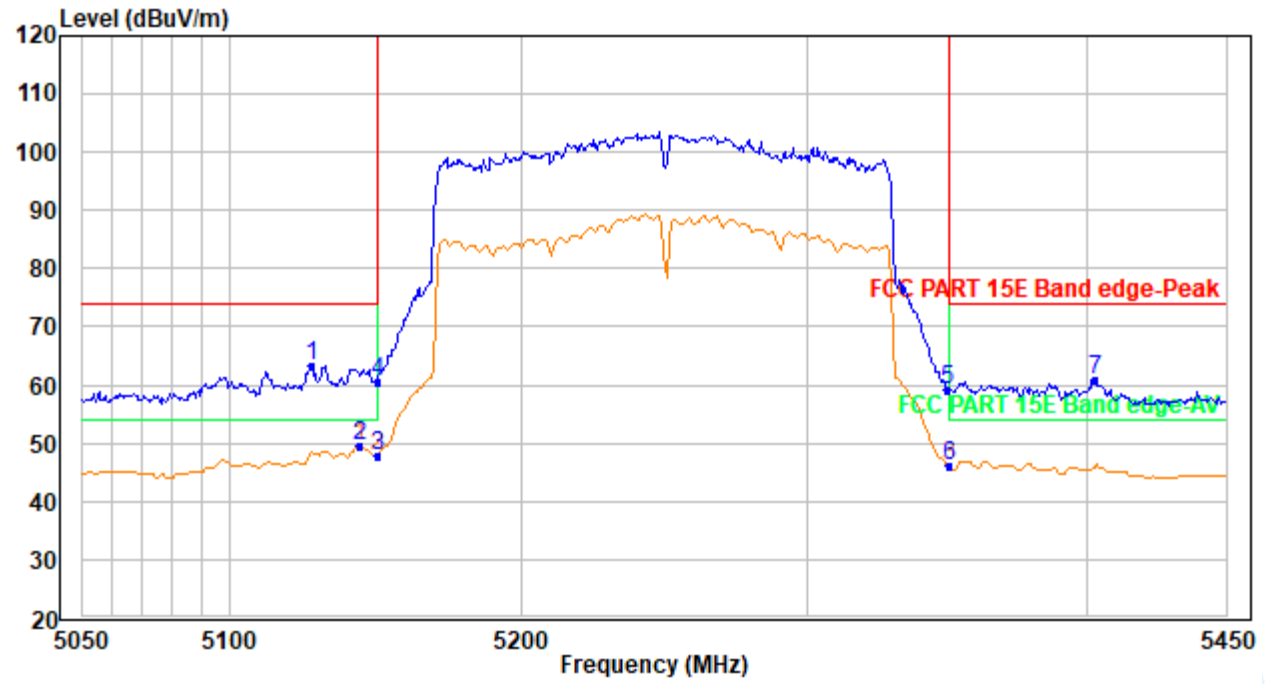
Test Channel:	Channel 155	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-29.89	-27.00	PASS
5725.000	-12.16	27.00	PASS
5850.000	-16.27	27.00	PASS
5925.000	-32.44	-27.00	PASS

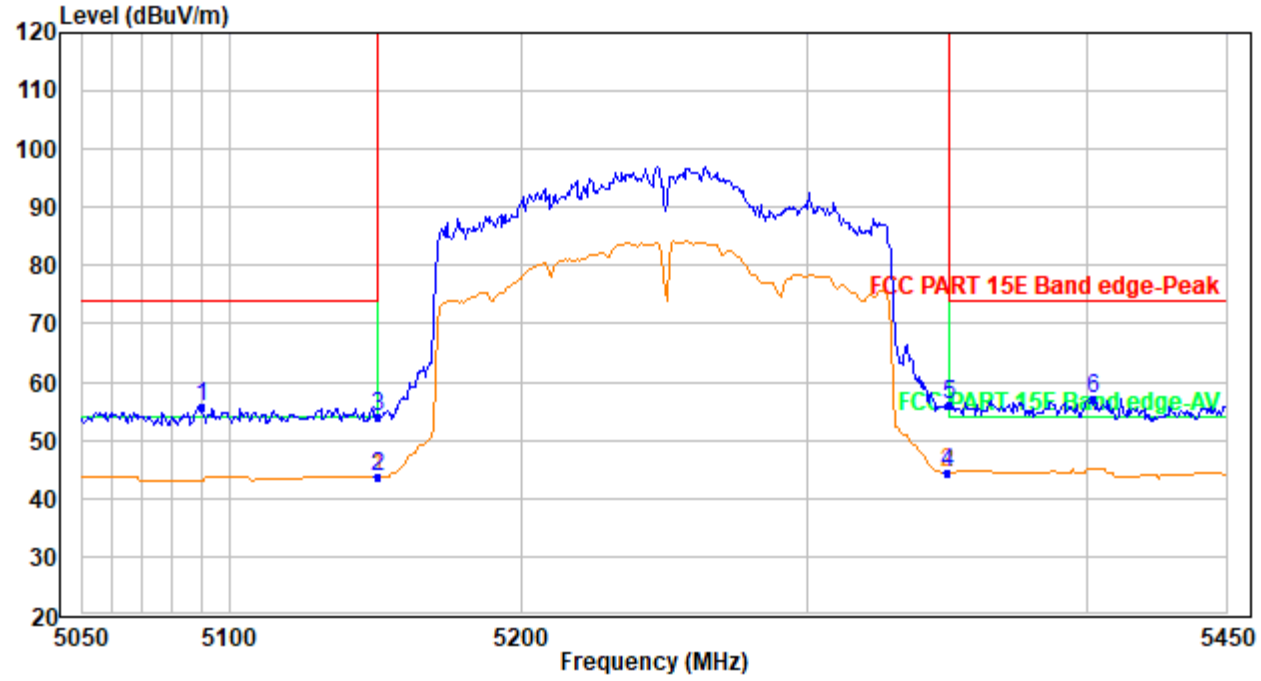
MIMO_ Ant. 1+2_IEEE 802.11ax-HE160

Test Channel:	Channel 50	Ant. Polar. :	Horizontal



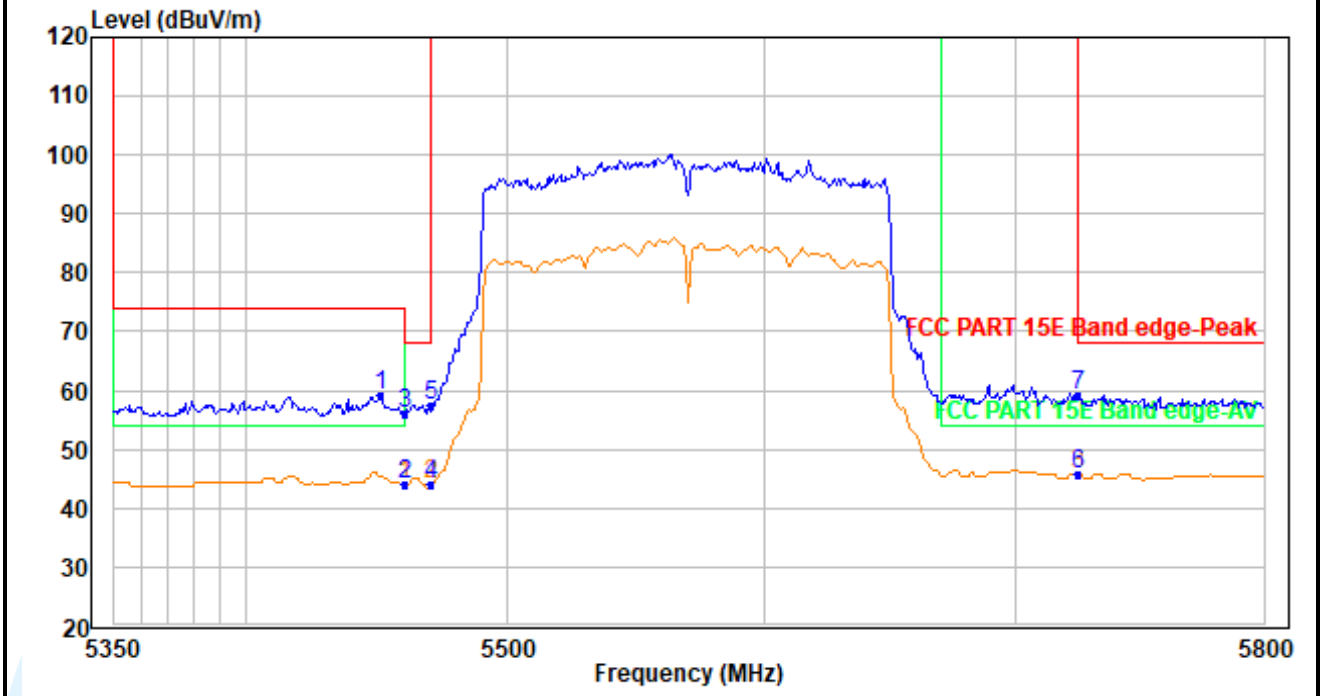
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5127.755	63.26	74.00	--	--	PASS
5143.788	--	--	49.58	54.00	PASS
5150.000	60.55	74.00	47.73	54.00	PASS
5349.800	59.27	74.00	--	--	PASS
5350.000	--	--	46.23	54.00	PASS
5402.706	60.72	74.00	--	--	PASS

Test Channel:	Channel 50	Ant. Polar. :	Vertical



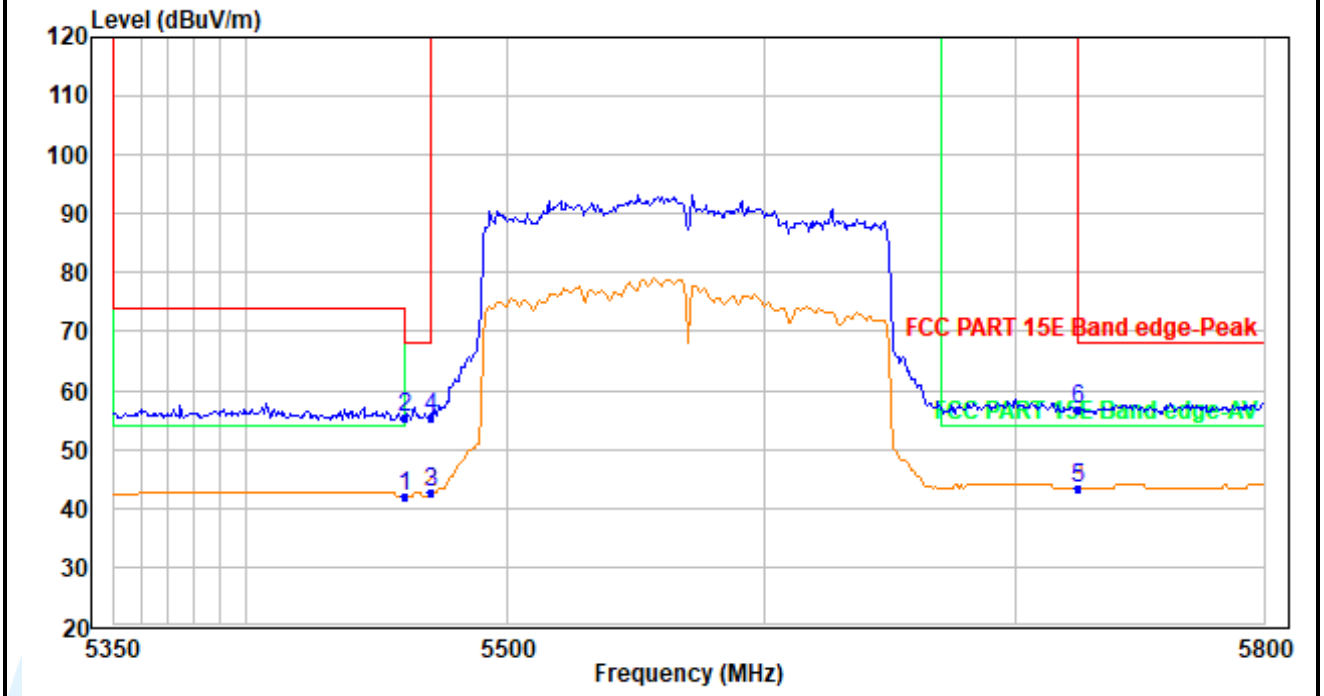
Frequency (MHz)	Peak level (dBμV/m)	Peak Limit (dBμV/m)	AV level (dBμV/m)	AV Limit (dBμV/m)	Conclusion
5090.080	55.76	74.00	--	--	PASS
5150.000	54.19	74.00	43.85	54.00	PASS
5349.800	--	--	44.29	54.00	PASS
5350.000	56.22	74.00	--	--	PASS
5401.904	57.13	74.00	--	--	PASS

Test Channel:	Channel 114	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5451.002	59.06	74.00	--	--	PASS
5460.000	56.00	68.20	43.97	54.00	PASS
5470.000	57.45	68.20	44.00	68.20	PASS
5725.000	59.13	68.20	45.69	54.00	PASS

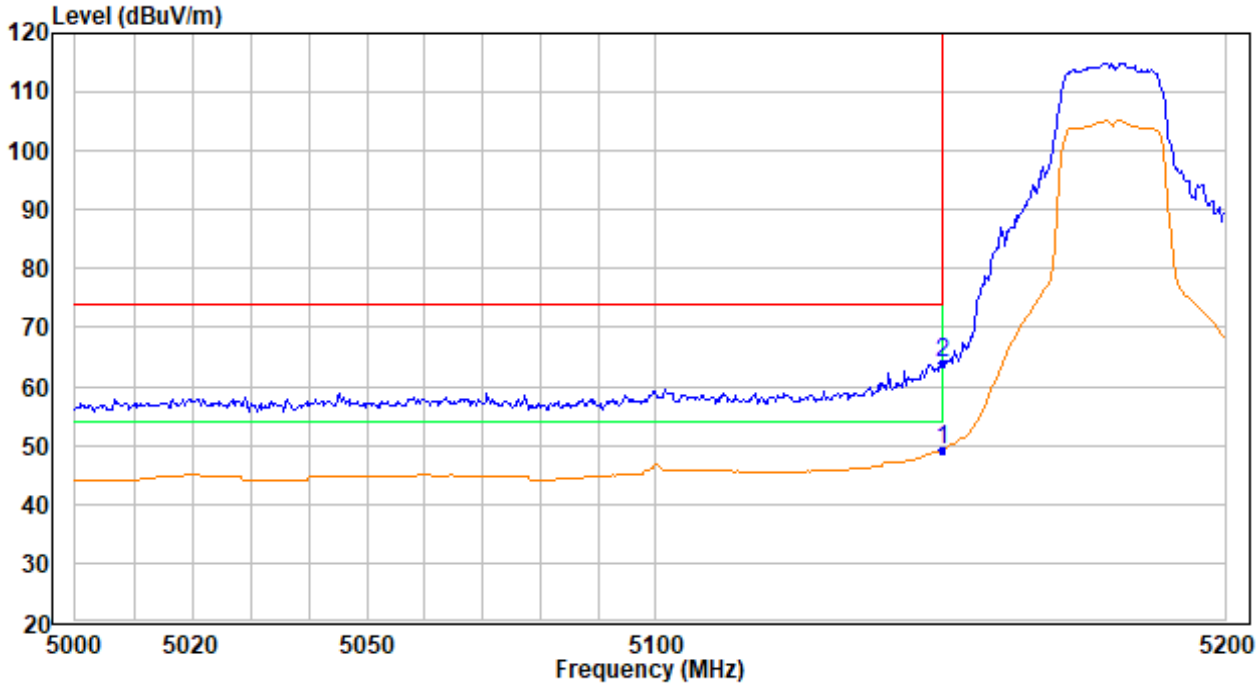
Test Channel:	Channel 114	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	55.30	68.20	42.03	54.00	PASS
5470.000	55.41	68.20	42.75	68.20	PASS
5725.000	56.72	68.20	43.36	54.00	PASS

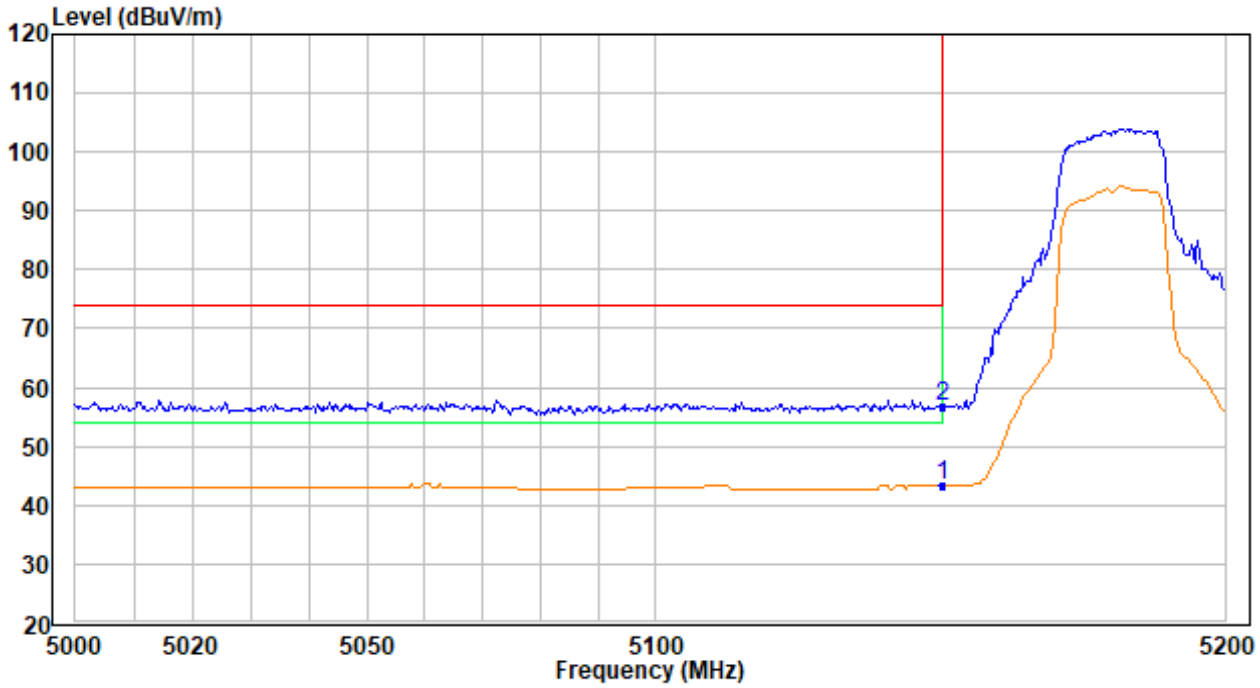
MIMO_ Ant. 1+3_IEEE 802.11n-HT20

Test Channel:	Channel 36	Ant. Polar. :	Horizontal



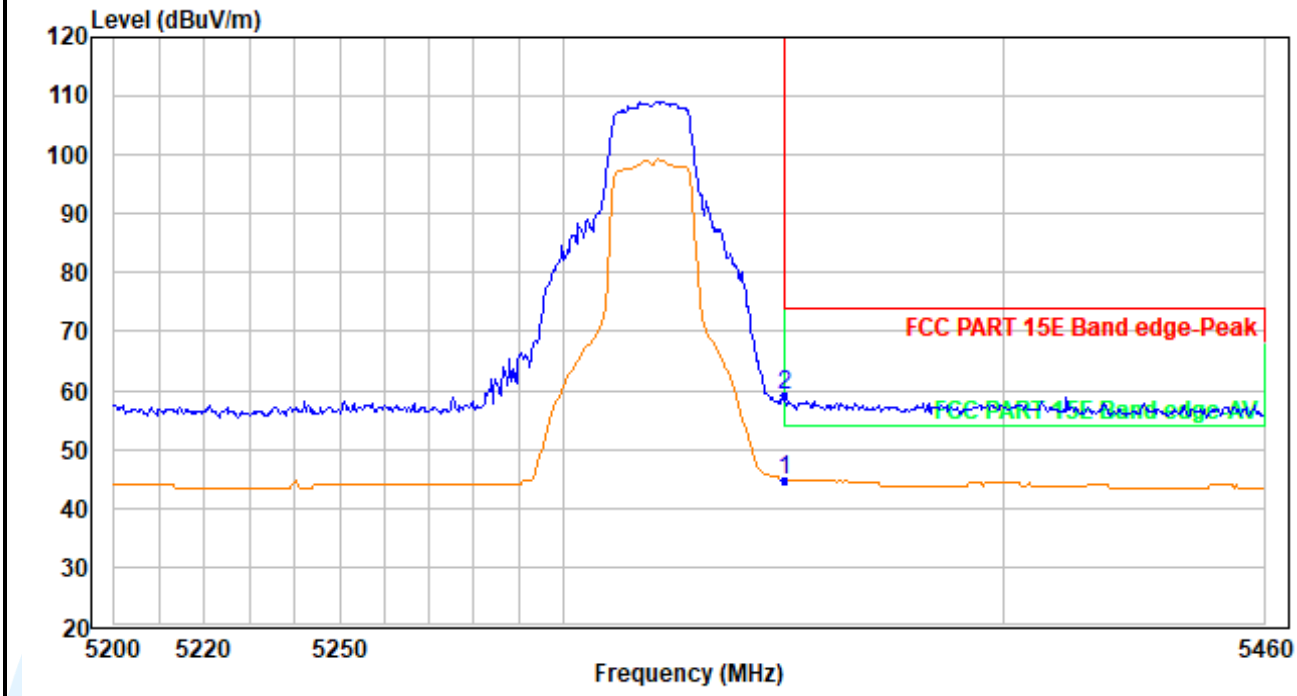
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	64.04	74.00	49.31	54.00	PASS

Test Channel:	Channel 36	Ant. Polar. :	Vertical



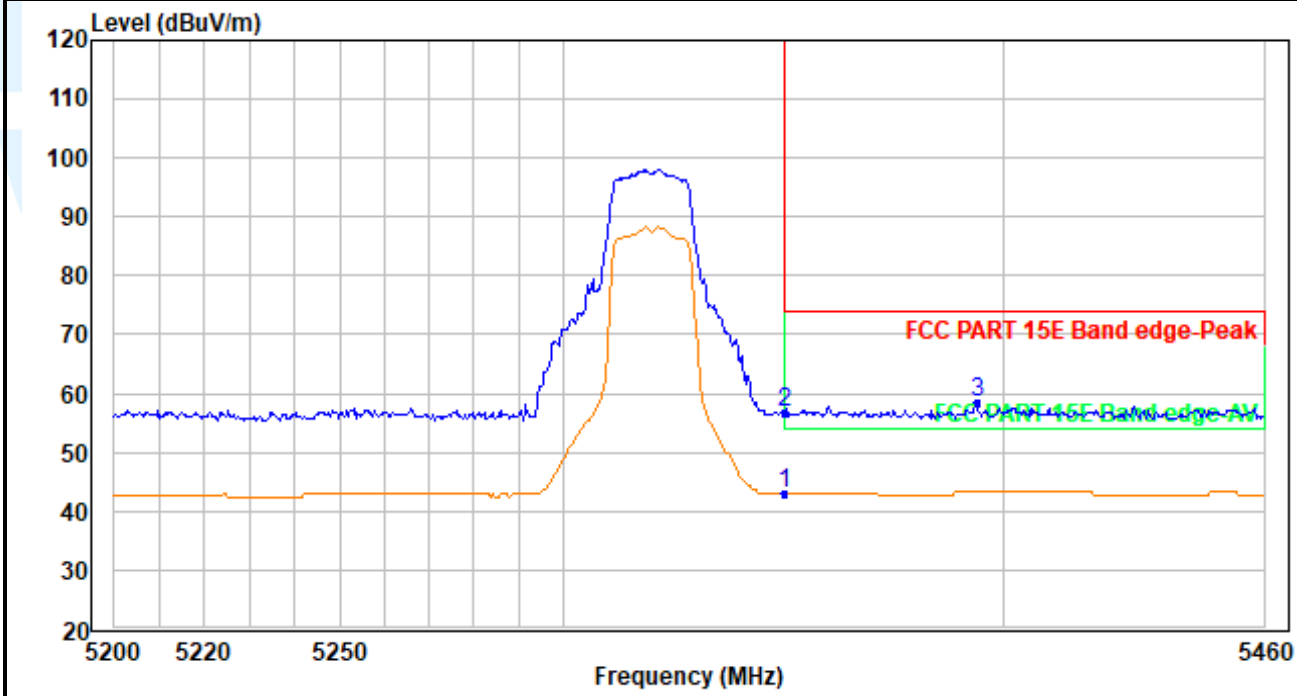
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	56.76	74.00	43.29	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Horizontal



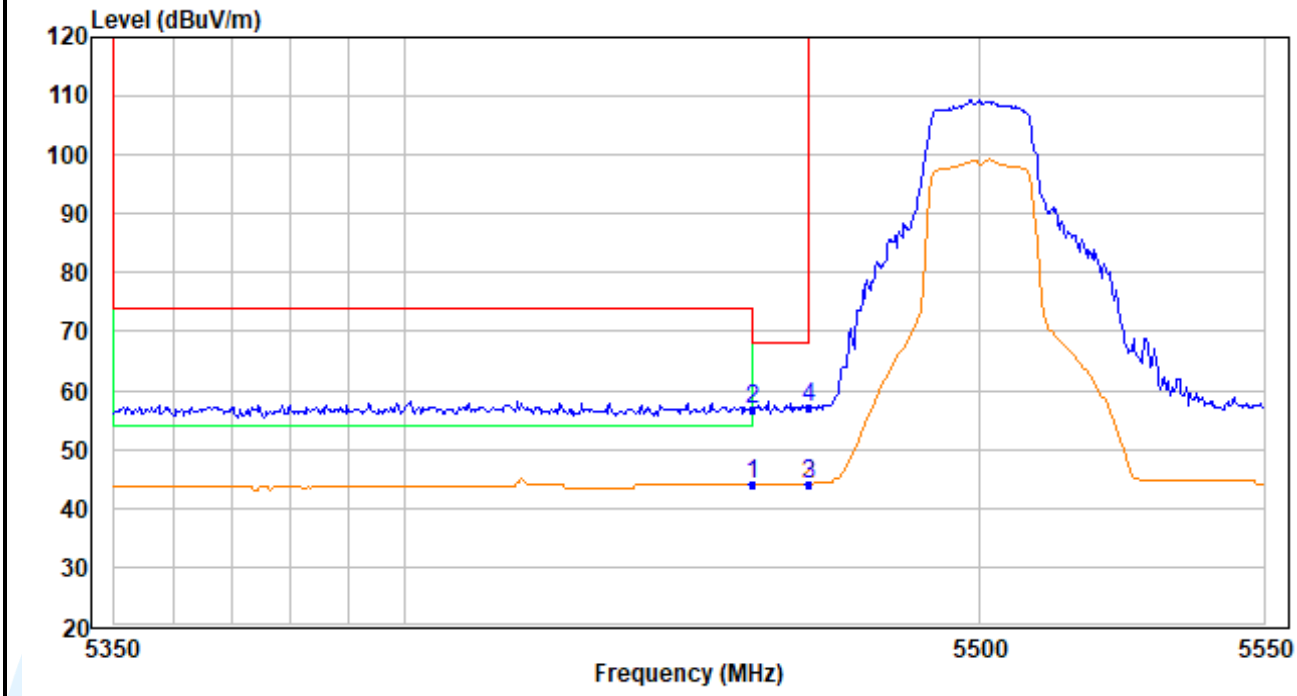
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	59.03	74.00	44.82	54.00	PASS

Test Channel:	Channel 64	Ant. Polar. :	Vertical



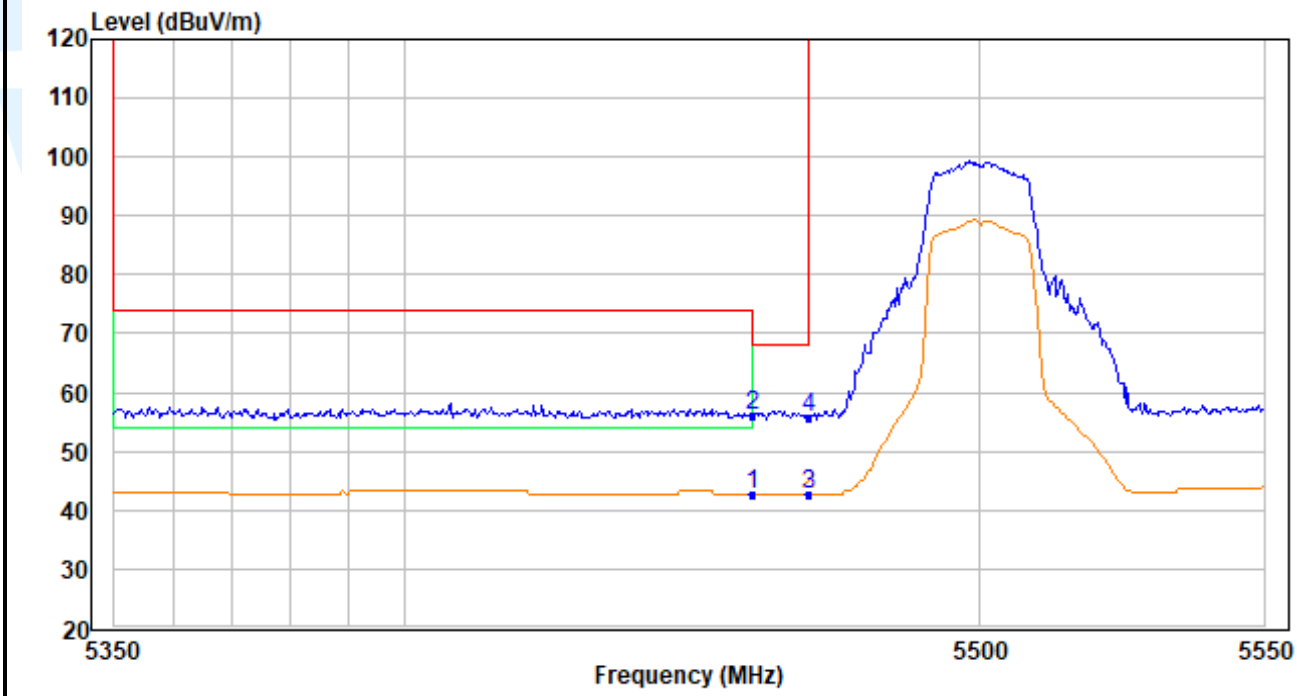
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5350.000	56.93	74.00	43.13	54.00	PASS
5393.828	58.46	74.00	--	--	PASS

Test Channel:	Channel 100	Ant. Polar. :	Horizontal



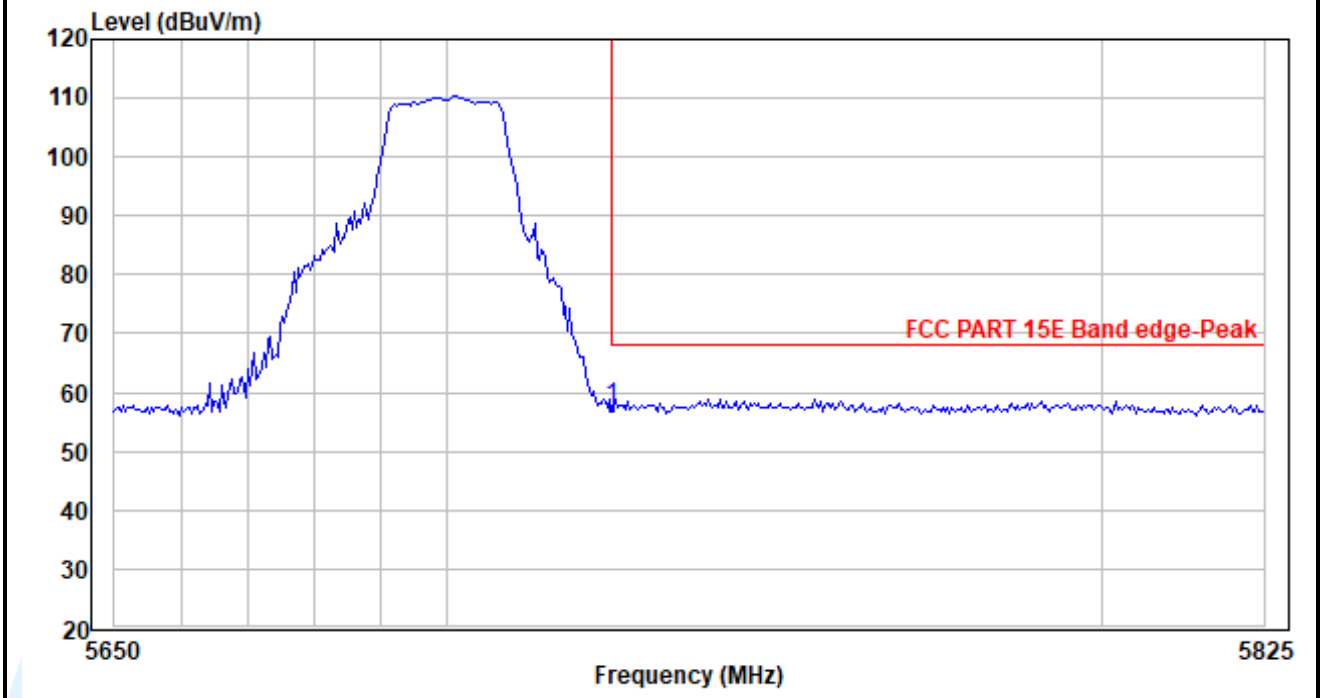
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	56.88	68.20	43.97	54.00	PASS
5470.000	57.03	68.20	43.99	68.20	PASS

Test Channel:	Channel 100	Ant. Polar. :	Vertical



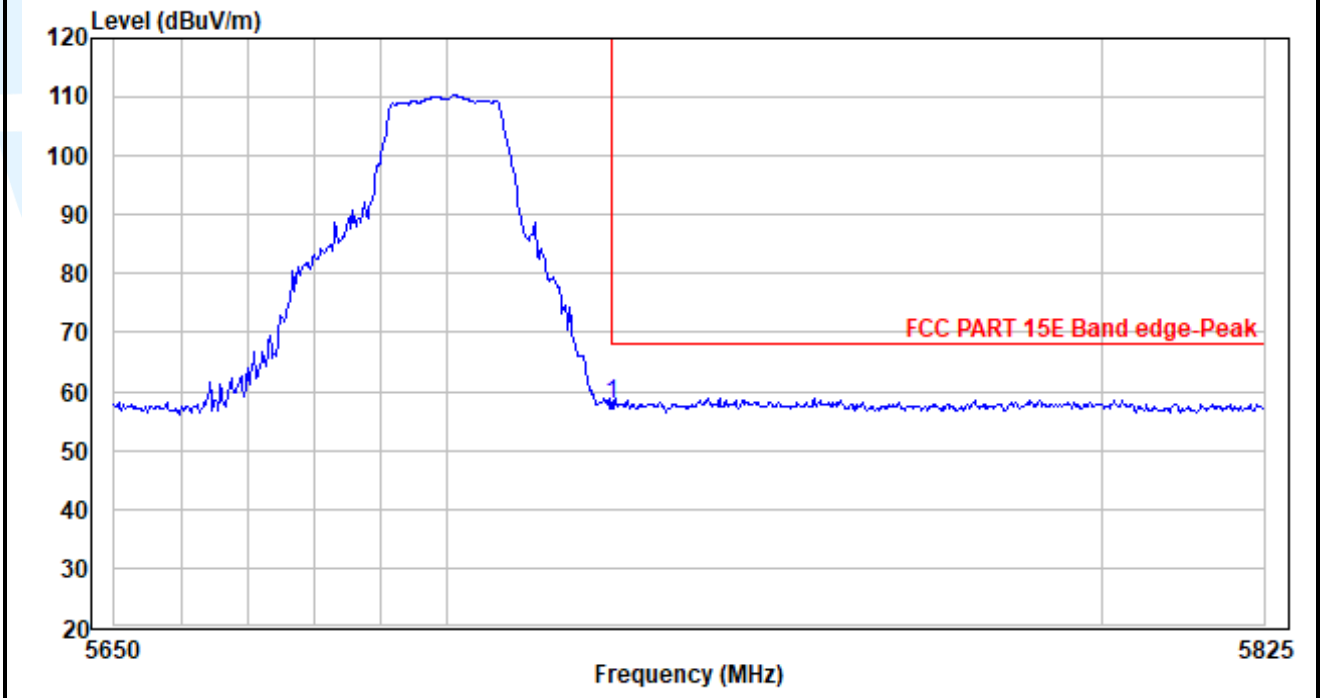
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5460.000	55.92	68.20	42.73	54.00	PASS
5470.000	55.87	68.20	42.75	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Horizontal



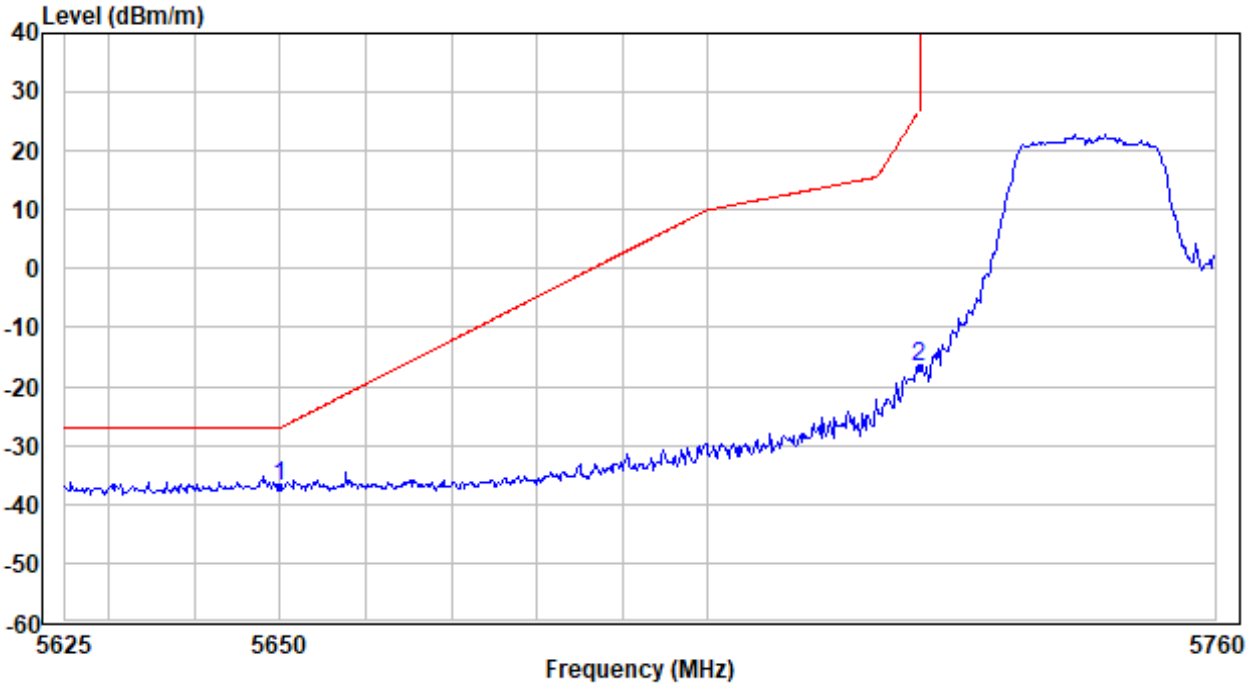
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	57.62	68.20	PASS

Test Channel:	Channel 140	Ant. Polar. :	Vertical



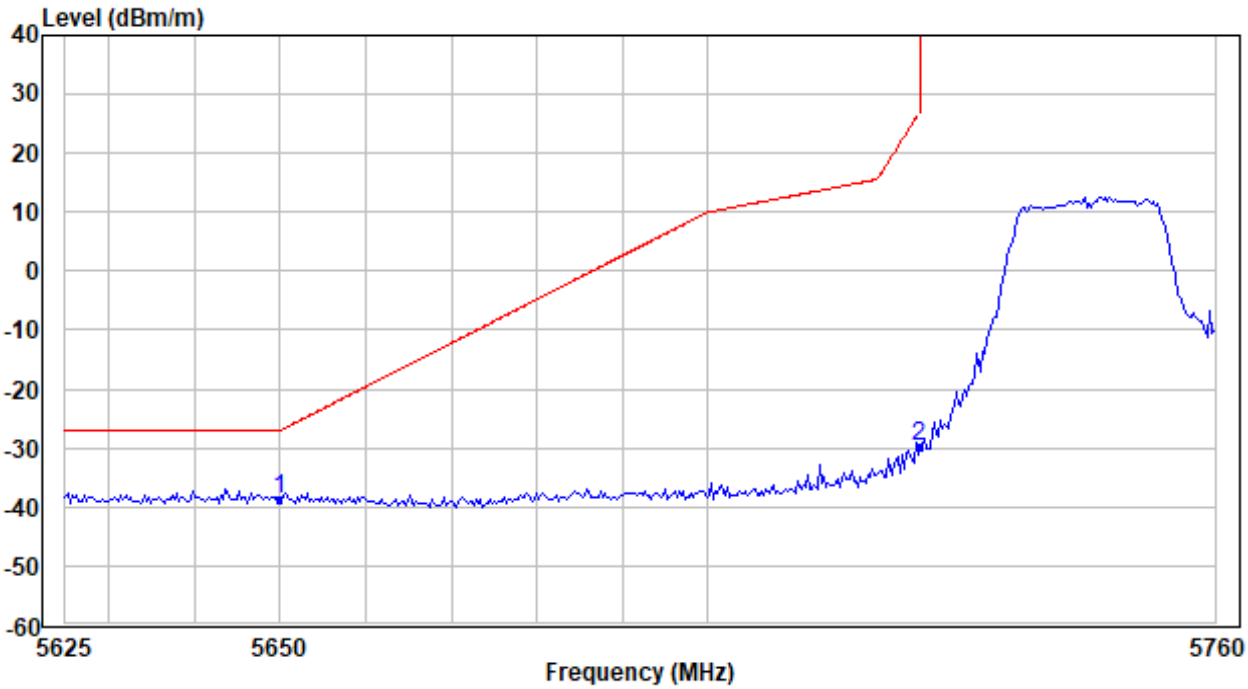
Frequency (MHz)	Peak level (dBµV/m)	Peak Limit (dBµV/m)	Conclusion
5725.000	57.82	68.20	PASS

Test Channel:	Channel 149	Ant. Polar. :	Horizontal



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-37.01	-27.00	PASS
5725.000	-16.72	27.00	PASS

Test Channel:	Channel 149	Ant. Polar. :	Vertical



Frequency (MHz)	Peak level (dBm)	Peak Limit (dBm)	Conclusion
5650.000	-38.73	-27.00	PASS
5725.000	-29.75	27.00	PASS