



Certificate #4312.01

TEST REPORT

Product Name: GPON ONT
Trade Mark: SKYWORTH, STRONG, QVWI, ACL fiber
Model No.: SK-D7462v3
Add. Model No.: TEN03, GN630V, ACLF646
Report Number: 25071118980RFC-2
Test Standards: FCC 47 CFR Part 15 Subpart E
FCC ID: WNA-TEN03
Test Result: PASS
Date of Issue: September 26, 2025

Prepared for:

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Prepared by:

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UTTR-RF-FCCPART15.407-V1.3

Version

Version No.	Date	Description
V1.0	September 26, 2025	Original



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UTTR-RF-FCCPART15.407-V1.3

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1. GENERAL INFORMATION

1.1 CLIENT INFORMATION

Applicant:	Shenzhen Skyworth Digital Technology Co., LTD.
Address of Applicant:	14/F, Unit A, Skyworth Building, Gaoxin Ave.1.S., Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen Skyworth Digital Technology Co., LTD.
Address of Manufacturer:	14/F, Unit A, Skyworth Building, Gaoxin Ave.1.S., Nanshan District, Shenzhen, China

1.2 EUT INFORMATION

1.2.1 General Description of EUT

Product Name:	GPON ONT		
Model No.:	SK-D7462v3		
Add. Model No.:	TEN03, GN630V, ACLF646		
Trade Mark:	SKYWORTH, STRONG, QVWI, ACL fiber		
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 10, 2024		
Sample Tested Date:	July 17, 2025 to August 29, 2025		
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(1)	
Model No.:	AH-SDT120150U5xP (x=0-9, represent different customer and different output cord, not affecting safety)
Input:	100-240 V~50/60Hz 0.6 A
Output:	12.0 V $\equiv$ 1.5 A 18.0W
DC Cable:	1.5 Meter, Unshielded without ferrite

Adapter(2)	
Model No.:	YS-SKY120150U0xP (x=0-9, indicates marketing purpose ,no safety and EMC impact)
Input:	100-240 V~50/60Hz 0.6 A
Output:	12.0 V $\equiv$ 1.5 A
DC Cable:	1.5 Meter, Unshielded without ferrite

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:	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:	External Antenna			
	Antenna 2:	External Antenna			
	Antenna 3:	FPCB Antenna			
Antenna Gain (dBi): (Provided by the customer)	Antenna	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
	Antenna 1:	5	5	5	5
	Antenna 2:	5	5	5	5
	Antenna 3:	2.5	2.5	2.5	2.5
Normal Test Voltage:	12 Vdc				

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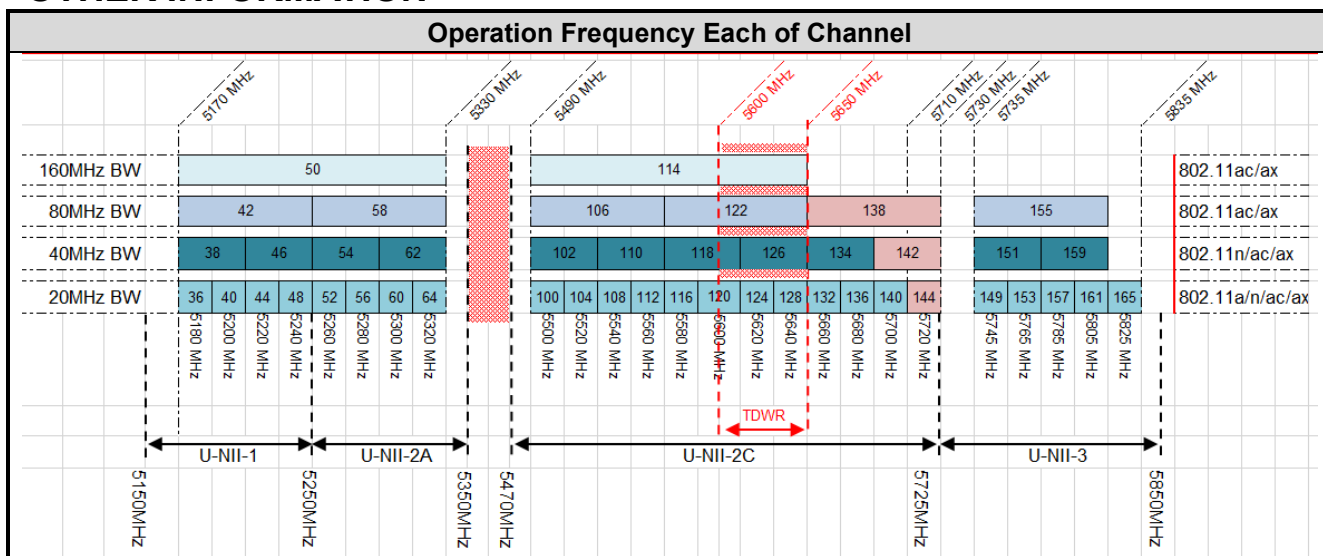
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1.4 OTHER INFORMATION



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
Notebook	Lenovo	Lenovo B40-80	MP12NEQ6	UnionTrust
Notebook	Lenovo	TP00067A	PN-0FZDEU 16\02	UnionTrust
Telephone	PHILIPS	HCD9669(118)TSD	411101943928	UnionTrust
OLT	ZTE	ZXA10 C620	N/A	UnionTrust
USB flash disk	Kingston	DTSE9	N/A	UnionTrust

2) Support Cable

Description	Quantity	Cable Type	Length (m)	Supplied by
Ethernet Cable	1	Shielded without ferrite	1.5	UnionTrust
Ethernet Cable	1	Shielded without ferrite	1.5	UnionTrust
Ethernet Cable	1	Shielded without ferrite	3.0	UnionTrust
Fiber optic Cable	1	Unshielded without ferrite	3.0	UnionTrust
Antenna Cable	2	SMA	0.3	UnionTrust

1.6 TEST LOCATION

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1.7 TEST FACILITY

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

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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

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 %

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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.: 25071118980RFC-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	28-Oct-2024	27-Oct-2025
☒	Receiver	R&S	ESIB26	100114	25-Oct-2024	24-Oct-2025
☒	Loop Antenna	ETS-LINDGREN	6502	00202525	28-Oct-2024	27-Oct-2025
☒	Broadband Antenna	ETS-LINDGREN	3142E	00201566	29-Oct-2024	28-Oct-2025
☒	6dB Attenuator	Talent	RA6A5-N-18	18103001	29-Oct-2024	28-Oct-2025
☒	Preamplifier	HP	8447F	2805A02960	25-Oct-2024	24-Oct-2025
☒	Double-Ridged Waveguide Horn Antenna	ETS-LINDGREN	3117-PA	00201541	29-Mar-2025	28-Mar-2026
☒	Pre-amplifier	ETS-Lindgren	00118385	00201874	28-Mar-2025	27-Mar-2026
☒	Double-Ridged Waveguide Horn Antenna	ETS-LINDGREN	3116C-PA	00202652	28-Oct-2024	27-Oct-2025
☒	Pre-amplifier	ETS-LINDGREN	00118384	00202652	28-Oct-2024	27-Oct-2025
☒	Multi device Controller	ETS-LINDGREN	7006-001	00160105	N/A	N/A
☒	Band Rejection Filter (5150MHz~5880MHz)	Micro-Tronics	BRM50716	G186	25-Oct-2024	24-Oct-2025
☒	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
☒	Pulse Limiter	R&S	ESH3-Z2	0357.8810.54	25-Oct-2024	24-Oct-2025
☒	LISN	ETS-Lindgren	3816/2SH	00201088	25-Oct-2024	24-Oct-2025
☒	Shielding room	ETS-Lindgren	843	Euroshiedpn-CT001270-1246	25-Oct-2024	24-Oct-2025
☒	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	28-Mar-2025	27-Mar-2026
☒	EXG-B RF Analog Signal Generator	KEYSIGHT	N5171B	MY53051777	25-Oct-2024	24-Oct-2025
☒	MXG X-Series RF Vector Signal Generator	KEYSIGHT	N5182B	MY51350267	25-Oct-2024	24-Oct-2025
☒	Spectrum Analyzer	R&S	FSV40-N	101653	28-Oct-2024	27-Oct-2025

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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	24.7	58.9	99.2	S202507106455-ZJA01/3	Linson Xie
26 dB emission bandwidth	25.3	52.4	99.7	S202507106455-ZJA02/3	David Du
Maximum conducted output power					
Peak Power Spectral Density					
6 dB bandwidth					
Dynamic Frequency Selection	24.0	61.3	98.7	S202507106455-ZJA03/3	Leo Li
Radiated Emissions and Band Edge Measurement					

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-HE4 0	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	--

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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	2Tx/2Rx	
IEEE 802.11ac		
IEEE 802.11ax		

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	11	11	11	11	15	15	10	10
IEEE 802.11n-HT20	10	10	12	12	12	12	10	10
IEEE 802.11n-HT40	9	9	13	13	14	14	15	15
IEEE 802.11ac-VHT20	9	9	11	11	12	12	9	9
IEEE 802.11ac-VHT40	8	8	13	13	14	14	14	14
IEEE 802.11ac-VHT80	9	9	9	9	15	15	15	15
IEEE 802.11ac-VHT160	10	10	/	/	10	10	/	/
IEEE 802.11ax-HE20 (SU)	10	10	11	11	10	10	15	15
IEEE 802.11ax-HE40 (SU)	9	9	13	13	14	14	15	15
IEEE 802.11ax-HE80 (SU)	9	9	10	10	15	15	15	15
IEEE 802.11ax-HE160 (SU)	10	10	/	/	10	10	/	/

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	11	11	11	11	15	15	10	10
IEEE 802.11n-HT20	10	10	12	12	12	12	10	10
IEEE 802.11n-HT40	9	9	13	13	14	14	15	15
IEEE 802.11ac-VHT20	9	9	11	11	12	12	9	9
IEEE 802.11ac-VHT40	8	8	13	13	14	14	14	14
IEEE 802.11ac-VHT80	9	9	9	9	15	15	15	15
IEEE 802.11ac-VHT160	10	10	/	/	10	10	/	/
IEEE 802.11ax-HE20 (SU)	10	10	11	11	10	10	15	15
IEEE 802.11ax-HE40 (SU)	9	9	13	13	14	14	15	15
IEEE 802.11ax-HE80 (SU)	9	9	10	10	15	15	15	15
IEEE 802.11ax-HE160 (SU)	10	10	/	/	10	10	/	/

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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	11	11	11	11	15	15	10	10
IEEE 802.11n-HT20	10	10	12	12	12	12	10	10
IEEE 802.11n-HT40	9	9	13	13	14	14	15	15
IEEE 802.11ac-VHT20	9	9	11	11	12	12	9	9
IEEE 802.11ac-VHT40	8	8	13	13	14	14	14	14
IEEE 802.11ac-VHT80	9	9	9	9	15	15	15	15
IEEE 802.11ac-VHT160	10	10	/	/	10	10	/	/
IEEE 802.11ax-HE20 (SU)	10	10	11	11	10	10	15	15
IEEE 802.11ax-HE40 (SU)	9	9	13	13	14	14	15	15
IEEE 802.11ax-HE80 (SU)	9	9	10	10	15	15	15	15
IEEE 802.11ax-HE160 (SU)	10	10	/	/	10	10	/	/
IEEE 802.11ax only supports SU Mode.								

Test Software (Provided by the customer)

Test software name: QATool

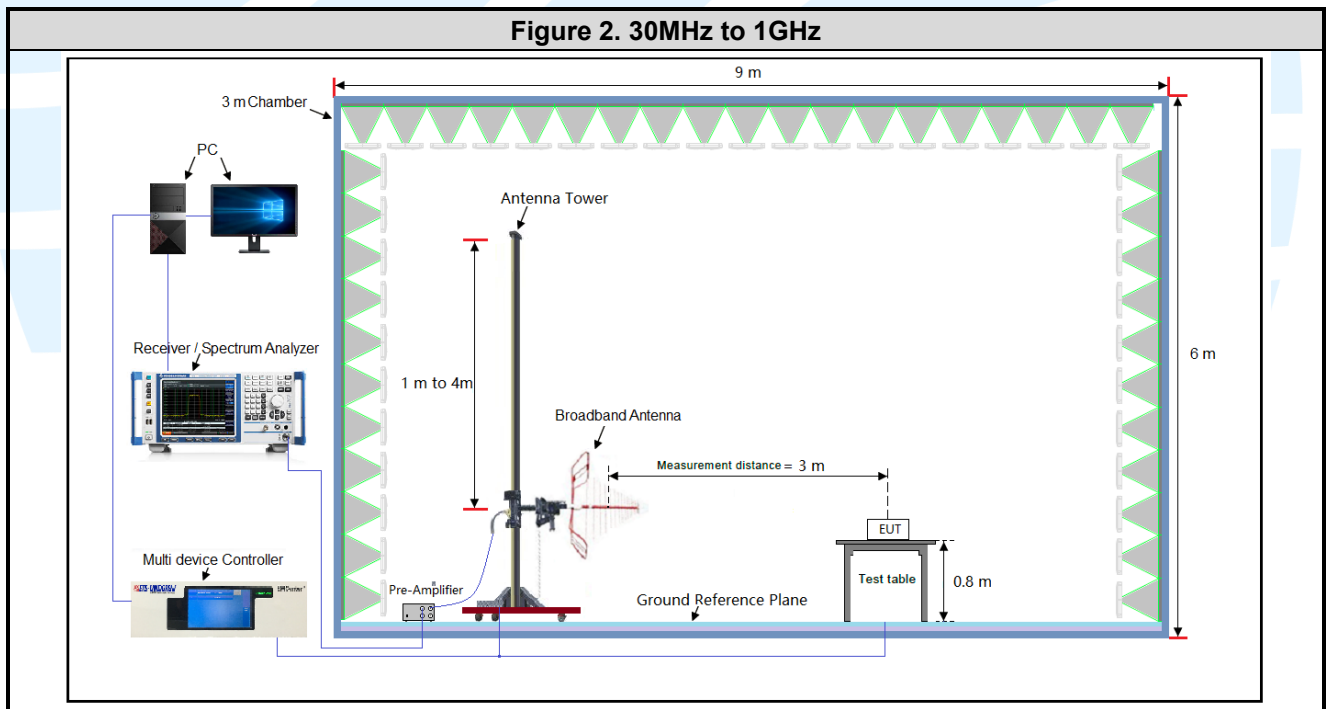
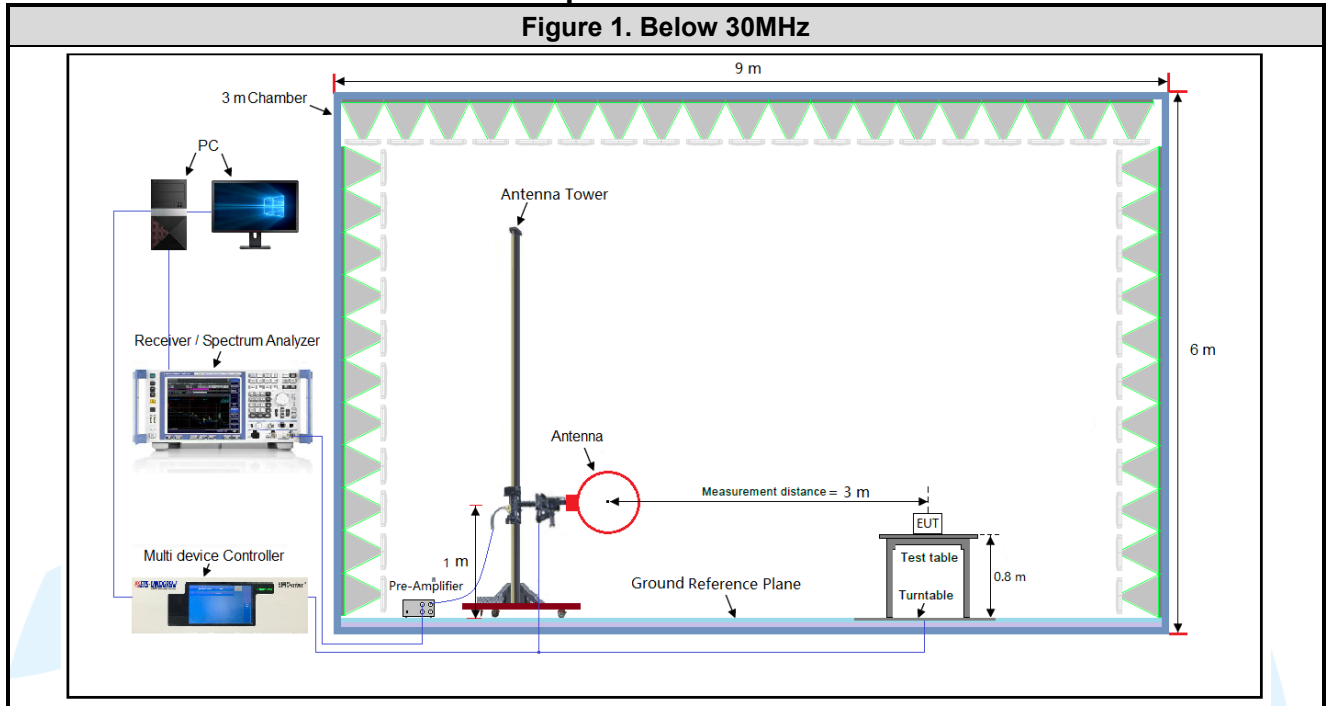
4.4 PRE-SCAN

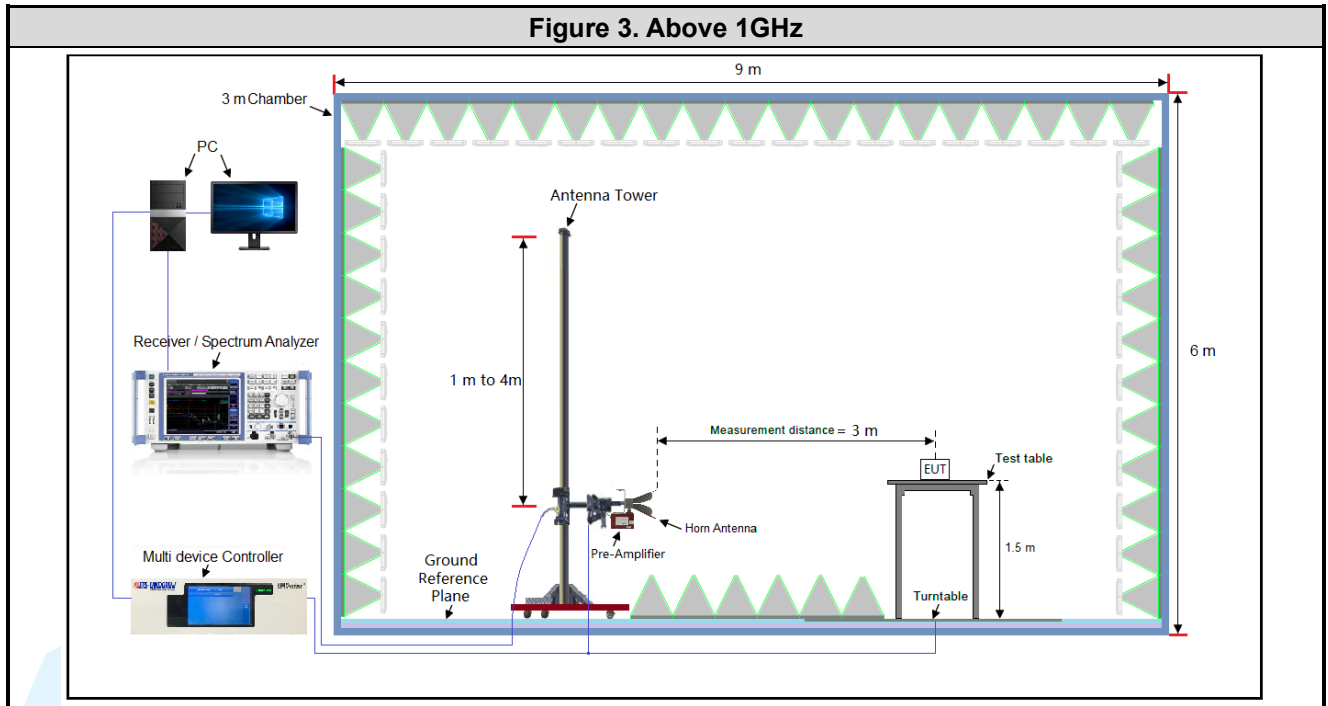
Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate. Following data rate was (were) selected for the final test as listed below

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

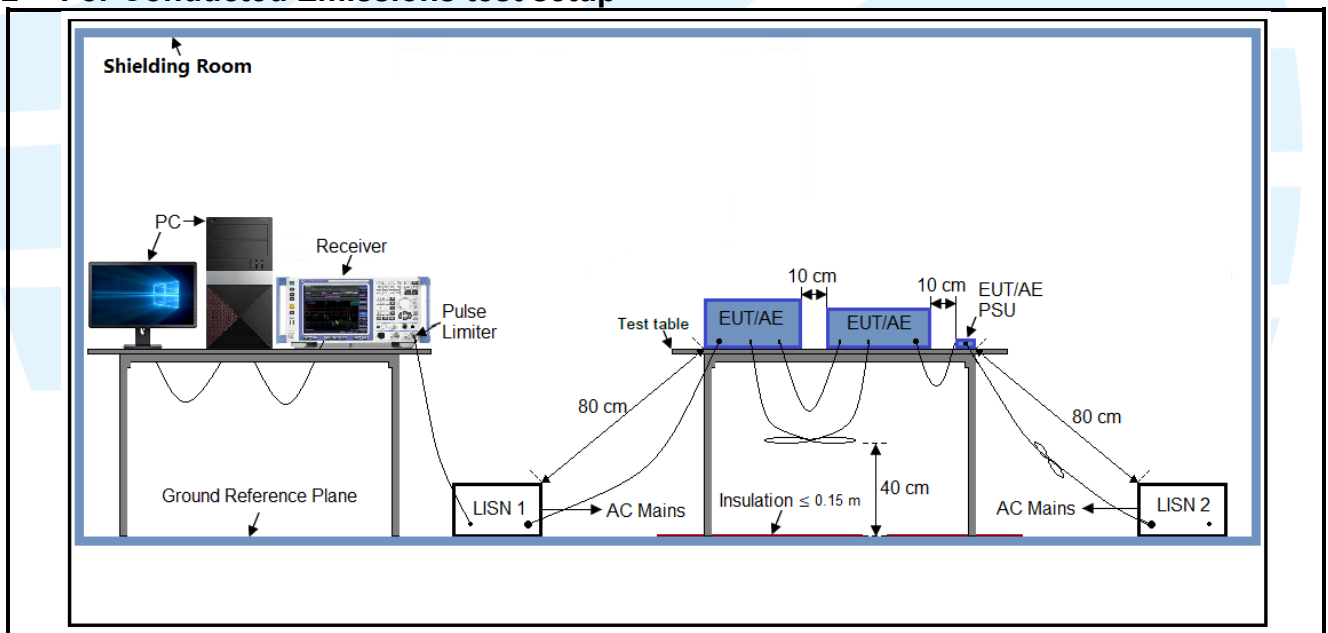
4.5 TEST SETUP

4.5.1 For Radiated Emissions test setup

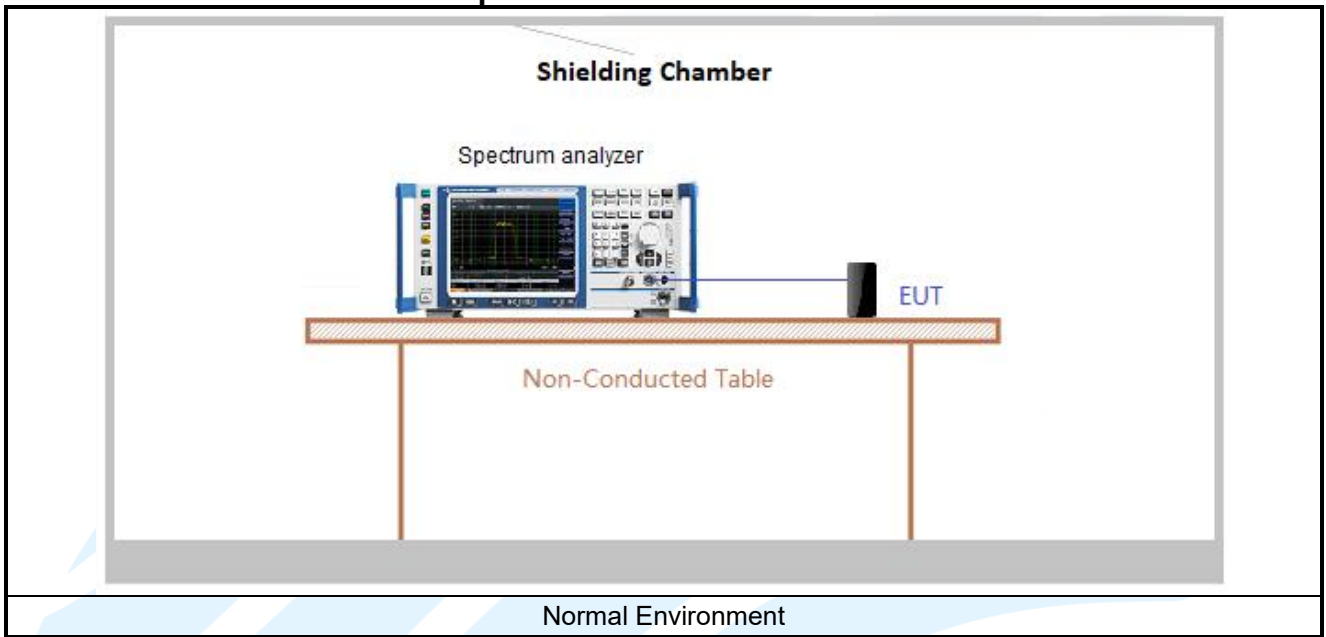




4.5.2 For Conducted Emissions test setup



4.5.3 For Conducted RF test setup



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.

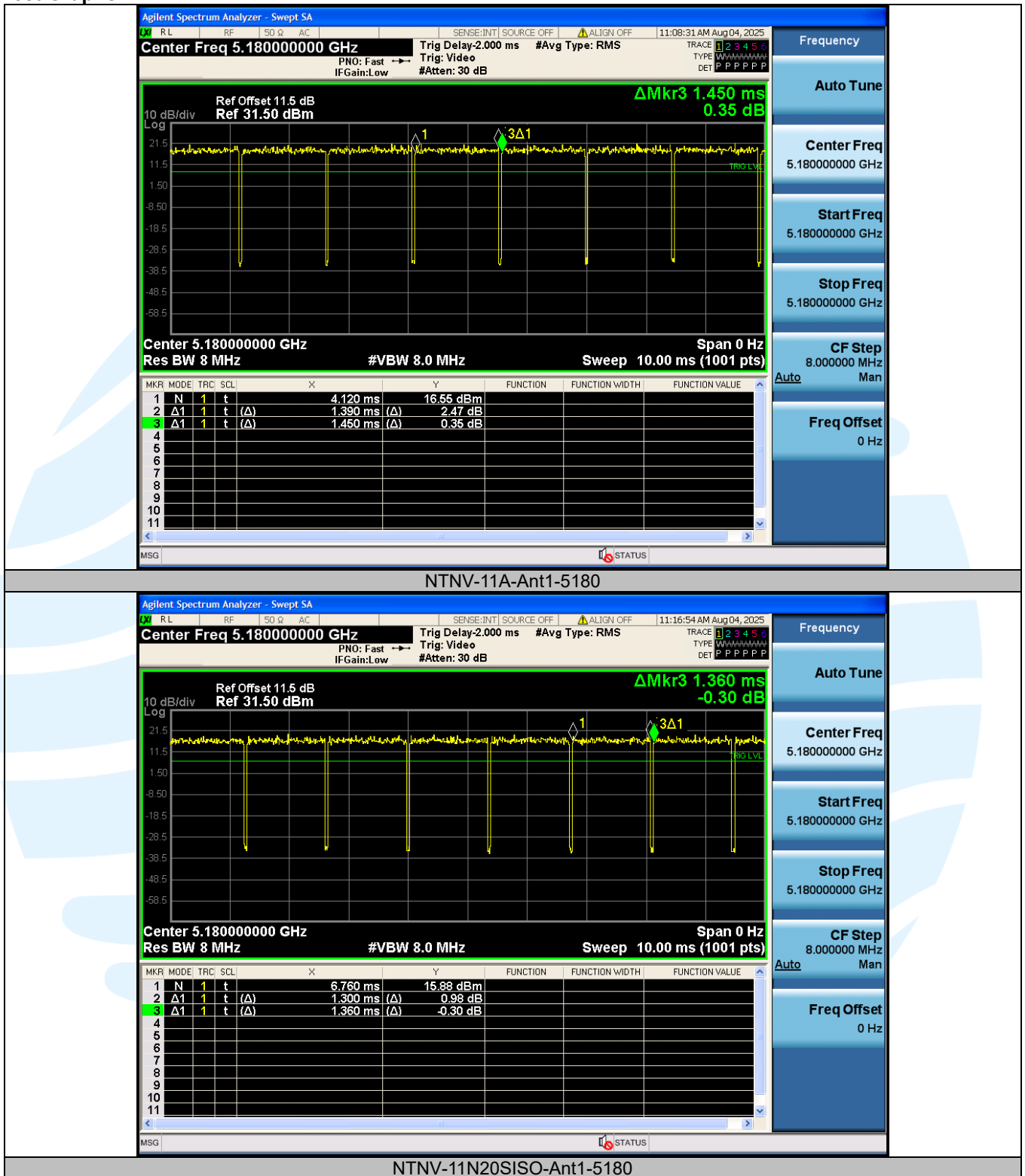
Test Results

Test Mode	RU	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC. Factor [%]	1/T
11A	N/A	1.39	1.45	95.86	0.18	0.72
11N20SISO	N/A	1.30	1.36	95.59	0.20	0.77
11N40SISO	N/A	0.65	0.71	91.55	0.38	1.54
11AC20SISO	N/A	1.31	1.37	95.62	0.19	0.76
11AC40SISO	N/A	0.65	0.71	91.55	0.38	1.54
11AC80SISO	N/A	0.32	0.38	84.21	0.75	3.13
11AC160SISO	N/A	0.18	0.24	75.00	1.25	5.56
11AX20SISO	SU	0.31	0.37	83.78	0.77	3.23
11AX40SISO	SU	0.31	0.37	83.78	0.77	3.23
11AX80SISO	SU	0.29	0.35	82.86	0.82	3.45
11AX160SISO	SU	0.29	0.35	82.86	0.82	3.45

Remark:

- 1) Duty cycle= On Time/ Period;
- 2) Duty Cycle factor = $10 * \log(1/ \text{Duty cycle})$

Test Graphs.



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

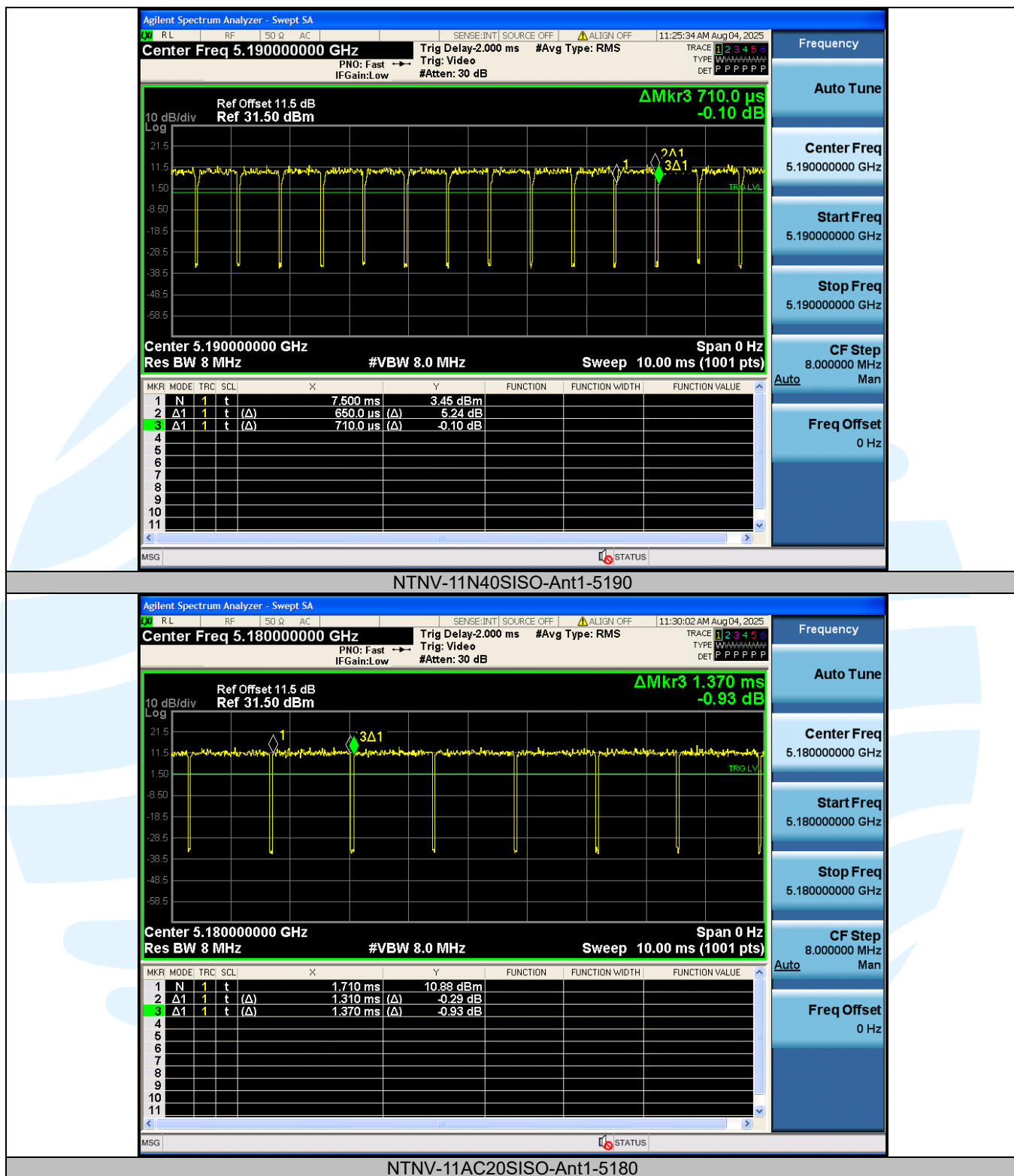
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.407-V1.3

**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

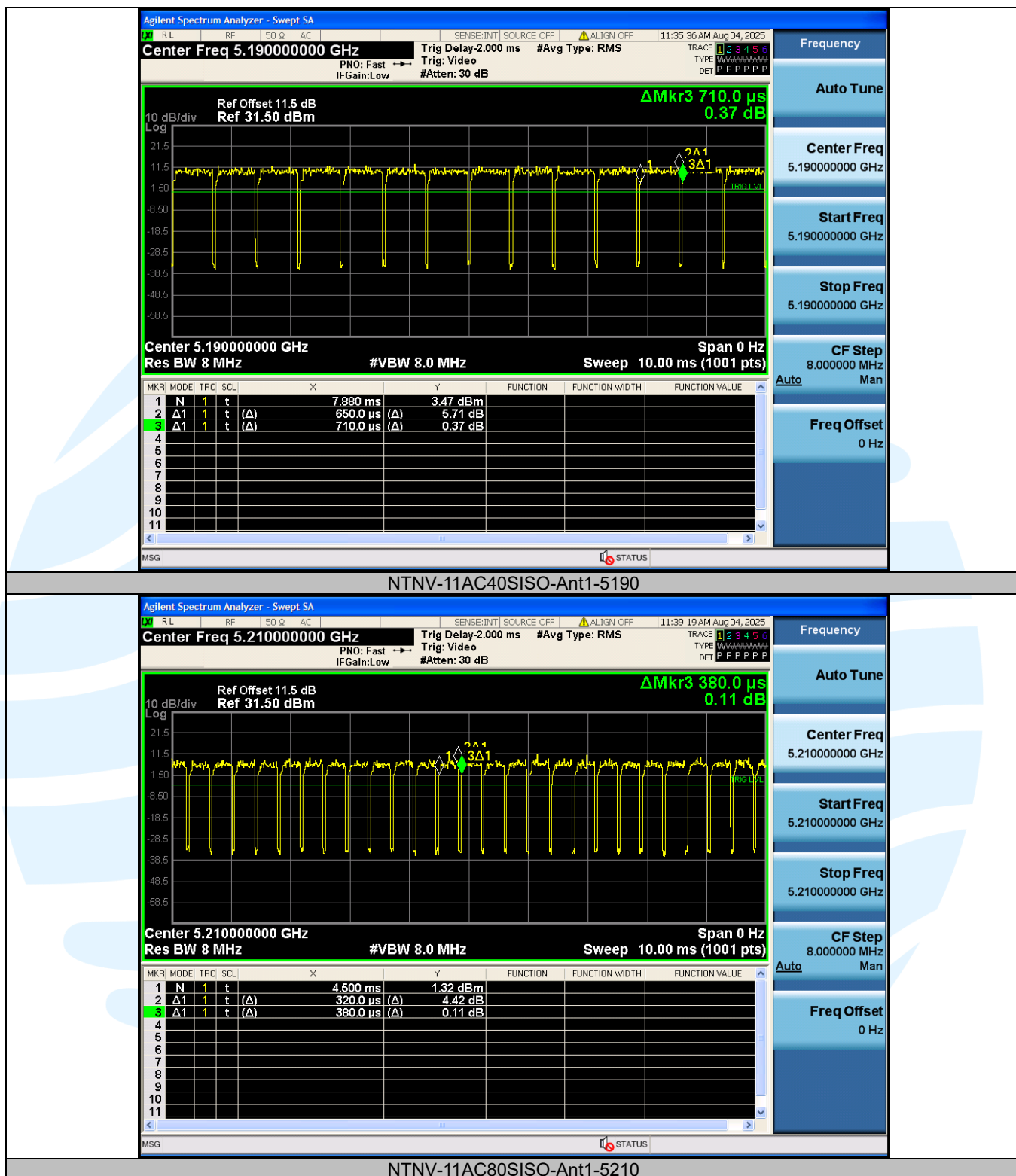
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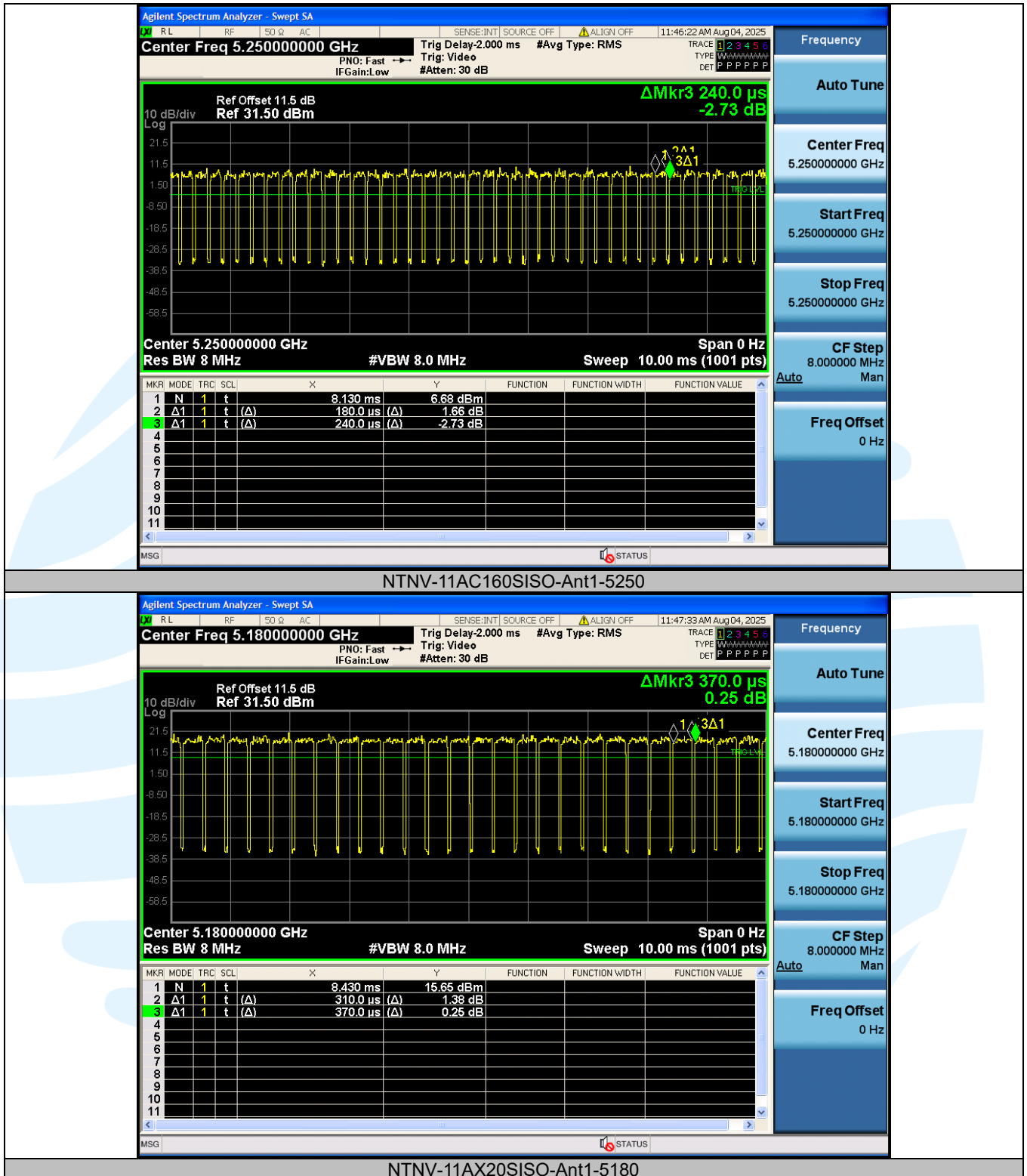
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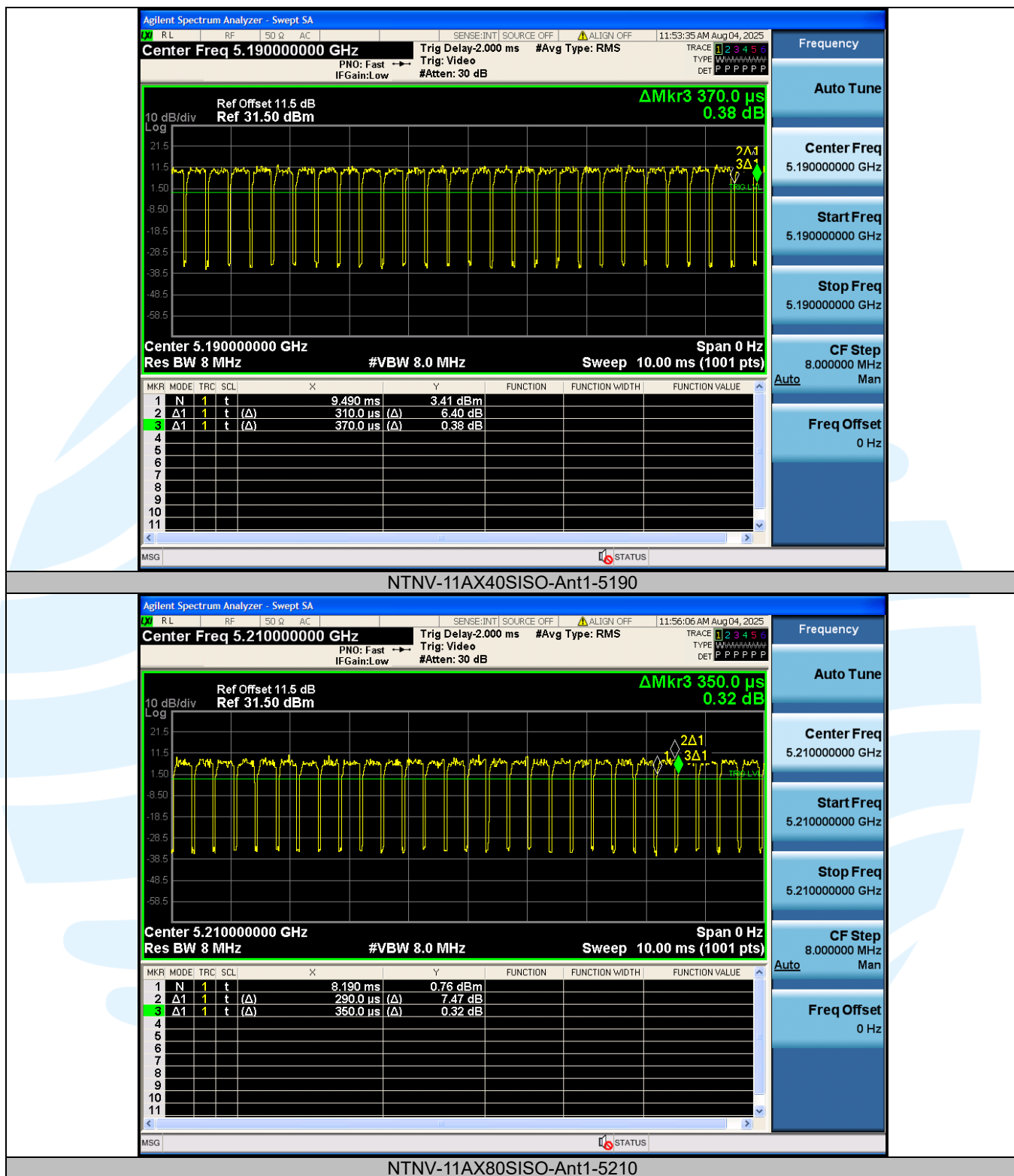
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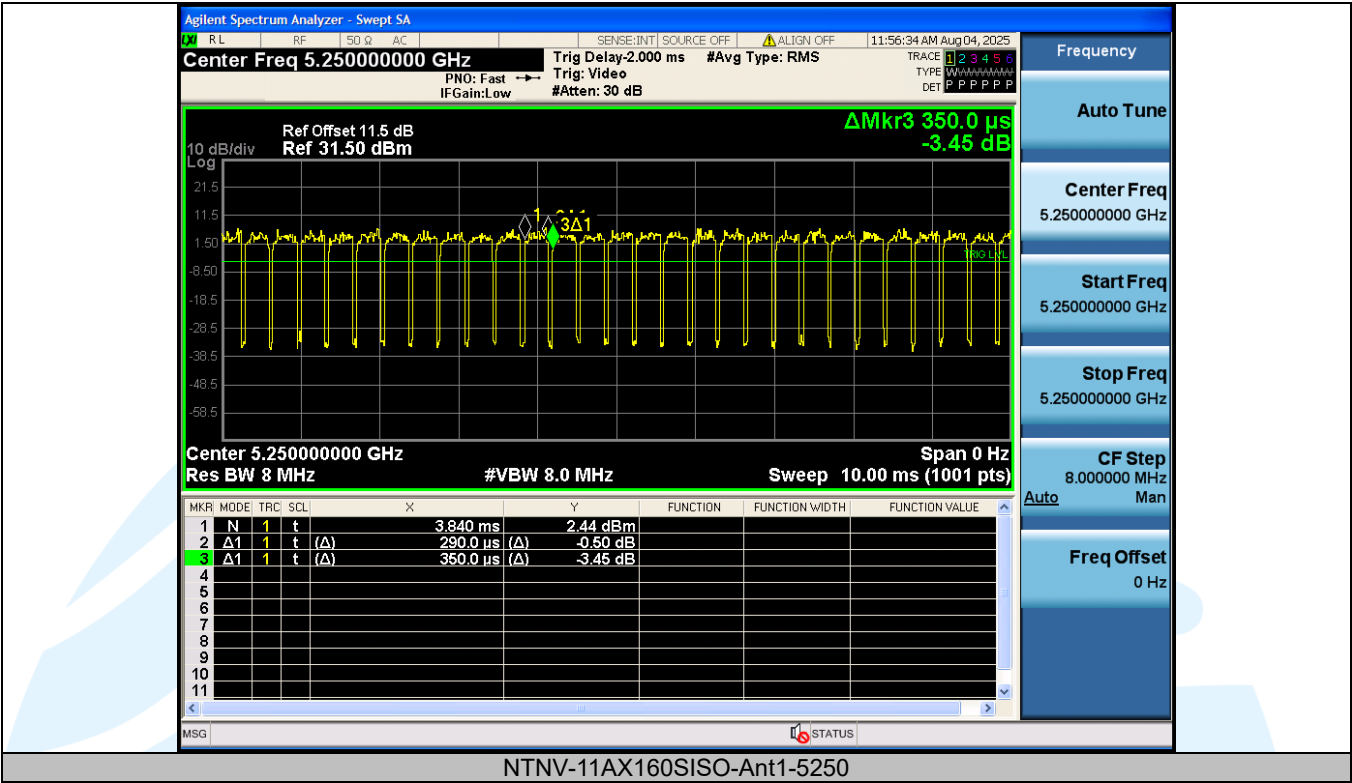
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5. RADIO TECHNICAL REQUIREMENTS SPECIFICATION

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 Unlicensed 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 8.01 dBi. (See section 5.5).

5.326 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 $\geq 3 \times$ 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) $\geq 3 * \text{RBW}$.
- 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 $\geq 3 \times \text{RBW}$
- 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 $11 \text{ dBm} + 10 \log B$, 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	5	8.01	8.01	27.99	14.99
U-NII-2A	5	5	8.01	8.01	21.99	8.99
U-NII-2C	5	5	8.01	8.01	21.99	8.99
U-NII-3	5	5	8.01	8.01	27.99	27.99

Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows:
 If transmit signals are correlated, then
 Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ 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 20.58 MHz

$$11 \text{ dBm} + 10 \log_{10}(20.58) = 24.13 \text{ dBm}$$

$$24.13 \text{ dBm} > 21.99 \text{ dBm}$$

So the 21.99 dBm limit applicable

For U-NII-2C Band:

IEEE 802.11a: the minimum 26 dB emission bandwidth is 20.53 MHz

$$11 \text{ dBm} + 10 \log_{10}(20.53) = 24.12 \text{ dBm}$$

$$24.12 \text{ dBm} > 21.99 \text{ dBm}$$

So the 21.99 dBm limit applicable

MIMO_Ant. 1+3:

Frequency (MHz)	Antenna Gain (dBi)		Directional gain (dBi)		Limit	
	Ant .1	Ant .3	Power	PSD	Power (dBm)	PSD (dBm/MHz or dBm/500kHz)
U-NII-1	5	2.5	6.85	6.85	29.15	16.15
U-NII-2A	5	2.5	6.85	6.85	23.15	10.15
U-NII-2C	5	2.5	6.85	6.85	23.15	10.15
U-NII-3	5	2.5	6.85	6.85	29.15	29.15

Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows:
If transmit signals are correlated, then
Directional gain = $10 \log[(10^{G1}/20 + 10^{G2}/20 + \dots + 10^{GN}/20)^2 / NANT]$ 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 20.16 MHz

$$11 \text{ dBm} + 10\log_{10}(20.16) = 24.04 \text{ dBm}$$

$$24.04 \text{ dBm} > 23.15 \text{ dBm}$$

So the 23.15 dBm limit applicable

S

For U-NII-2C Band:

IEEE 802.11a: the minimum 26 dB emission bandwidth is 20.53 MHz

$$11 \text{ dBm} + 10\log_{10}(20.53) = 24.12 \text{ dBm}$$

$$24.12 \text{ dBm} > 21.99 \text{ dBm}$$

So the 21.99 dBm limit applicable

MIMO_Ant. 2+3:

Frequency (MHz)	Antenna Gain (dBi)		Directional gain (dBi)		Limit	
	Ant .2	Ant .3	Power	PSD	Power (dBm)	PSD (dBm/MHz or dBm/500kHz)
U-NII-1	5	2.5	6.85	6.85	29.15	16.15
U-NII-2A	5	2.5	6.85	6.85	23.15	10.15
U-NII-2C	5	2.5	6.85	6.85	23.15	10.15
U-NII-3	5	2.5	6.85	6.85	29.15	29.15

Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows:
If transmit signals are correlated, then
Directional gain = $10 \log[(10^{G1}/20 + 10^{G2}/20 + \dots + 10^{GN}/20)^2 / NANT]$ 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 20.16 MHz

$$11 \text{ dBm} + 10\log_{10}(20.16) = 24.04 \text{ dBm}$$

$$24.04 \text{ dBm} > 23.15 \text{ dBm}$$

So the 23.15 dBm limit applicable

For U-NII-2C Band:

IEEE 802.11a: the minimum 26 dB emission bandwidth is 20.91 MHz

$$11 \text{ dBm} + 10\log_{10}(20.91) = 24.20 \text{ dBm}$$

$$24.20 \text{ dBm} > 23.15 \text{ dBm}$$

So the 23.15 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	15.82	14.73	16.00	14.91	N/A	30.00	Pass	
		40	5200	16.81	15.16	16.99	15.34	N/A	30.00	Pass	
		48	5240	16.71	15.21	16.89	15.39	N/A	30.00	Pass	
	U-NII-2A	52	5260	15.52	15.27	15.70	15.45	N/A	24.00	Pass	
		60	5280	14.94	14.74	15.12	14.92	N/A	24.00	Pass	
		64	5320	14.92	14.76	15.10	14.94	N/A	24.00	Pass	
	U-NII-2C	100	5500	18.41	18.41	18.59	18.59	N/A	24.00	Pass	
		116	5580	18.64	18.62	18.82	18.80	N/A	24.00	Pass	
		140	5700	18.41	17.77	18.59	17.95	N/A	24.00	Pass	
	U-NII-3	149	5745	13.75	14.76	13.93	14.94	N/A	30.00	Pass	
		157	5785	13.99	13.34	14.17	13.52	N/A	30.00	Pass	
		165	5825	12.96	11.81	13.14	11.99	N/A	30.00	Pass	
IEEE 802.11n-HT20	U-NII-1	36	5180	13.38	13.81	13.58	14.01	16.81	27.99	Pass	
		40	5200	14.36	14.28	14.56	14.48	17.53	27.99	Pass	
		48	5240	14.17	14.31	14.37	14.51	17.45	27.99	Pass	
	U-NII-2A	52	5260	15.36	15.28	15.56	15.48	18.53	21.99	Pass	
		60	5280	14.75	14.86	14.95	15.06	18.02	21.99	Pass	
		64	5320	14.83	14.82	15.03	15.02	18.04	21.99	Pass	
	U-NII-2C	100	5500	14.27	14.32	14.47	14.52	17.51	21.99	Pass	
		116	5580	14.62	14.77	14.82	14.97	17.91	21.99	Pass	
		140	5700	14.36	13.65	14.56	13.85	17.23	21.99	Pass	
	U-NII-3	149	5745	12.52	14.79	12.72	14.99	17.01	27.99	Pass	
		157	5785	12.77	15.38	12.97	15.58	17.48	27.99	Pass	
		165	5825	11.73	11.83	11.93	12.03	14.99	27.99	Pass	
IEEE 802.11n-HT40	U-NII-1	38	5190	12.18	12.82	12.56	13.20	15.90	27.99	Pass	
		46	5230	12.64	13.31	13.02	13.69	16.38	27.99	Pass	
	U-NII-2A	54	5270	15.76	15.77	16.14	16.15	19.16	21.99	Pass	
		62	5310	15.54	15.62	15.92	16.00	18.97	21.99	Pass	
	U-NII-2C	102	5510	16.08	16.23	16.46	16.61	19.55	21.99	Pass	
		110	5550	16.24	16.44	16.62	16.82	19.73	21.99	Pass	
		134	5670	16.12	15.68	16.50	16.06	19.30	21.99	Pass	

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UTTR-RF-FCCPART15.407-V1.3

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	17.31	19.67	17.69	20.05	22.04	27.99	Pass
		159	5795	17.36	19.55	17.74	19.93	21.98	27.99	Pass
IEEE 802.11ac-VHT20	U-NII-1	36	5180	12.53	12.76	12.72	12.95	15.85	27.99	Pass
		40	5200	13.31	13.32	13.50	13.51	16.52	27.99	Pass
		48	5240	13.26	13.26	13.45	13.45	16.46	27.99	Pass
	U-NII-2A	52	5260	14.47	14.32	14.66	14.51	17.60	21.99	Pass
		60	5280	13.92	13.78	14.11	13.97	17.05	21.99	Pass
		64	5320	13.96	13.76	14.15	13.95	17.06	21.99	Pass
	U-NII-2C	100	5500	14.45	14.33	14.64	14.52	17.59	21.99	Pass
		116	5580	14.82	14.76	15.01	14.95	17.99	21.99	Pass
		140	5700	14.51	13.71	14.70	13.90	17.33	21.99	Pass
	U-NII-3	149	5745	11.71	13.72	11.90	13.91	16.03	27.99	Pass
		157	5785	11.94	14.36	12.13	14.55	16.52	27.99	Pass
		165	5825	10.91	10.76	11.10	10.95	14.04	27.99	Pass
IEEE 802.11ac-VHT40	U-NII-1	38	5190	11.48	11.81	11.86	12.19	15.04	27.99	Pass
		46	5230	11.94	12.32	12.32	12.70	15.52	27.99	Pass
	U-NII-2A	54	5270	16.08	15.97	16.46	16.35	19.42	21.99	Pass
		62	5310	16.82	15.72	17.20	16.10	19.70	21.99	Pass
	U-NII-2C	102	5510	15.93	17.36	16.31	17.74	20.09	21.99	Pass
		110	5550	16.41	17.79	16.79	18.17	20.54	21.99	Pass
		134	5670	16.38	16.96	16.76	17.34	20.07	21.99	Pass
	U-NII-3	151	5755	16.41	18.93	16.79	19.31	21.24	27.99	Pass
159		5795	16.66	18.81	17.04	19.19	21.26	27.99	Pass	
IEEE 802.11ac-VHT80	U-NII-1	42	5210	12.45	12.78	13.20	13.53	16.38	27.99	Pass
	U-NII-2A	58	5290	11.74	12.82	12.49	13.57	16.07	21.99	Pass
	U-NII-2C	106	5530	17.35	18.35	18.10	19.10	21.64	21.99	Pass
		122	5610	17.47	18.61	18.22	19.36	21.84	21.99	Pass
	U-NII-3	155	5775	17.72	19.76	18.47	20.51	22.62	27.99	Pass
IEEE 802.11ac-VHT160	U-NII-2A	50	5250	13.29	13.53	14.54	14.78	17.67	21.99	Pass
	U-NII-2C	114	5570	12.23	13.25	13.48	14.50	17.03	21.99	Pass

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UTTR-RF-FCCPART15.407-V1.3

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	13.61	13.83	14.38	14.60	17.50	27.99	Pass
		40	5200	SU	14.54	14.28	15.31	15.05	18.19	27.99	Pass
		48	5240	SU	14.43	14.32	15.20	15.09	18.16	27.99	Pass
	U-NII-2A	52	5260	SU	14.57	14.42	15.34	15.19	18.28	21.99	Pass
		60	5280	SU	14.08	13.91	14.85	14.68	17.78	21.99	Pass
		64	5320	SU	14.14	13.88	14.91	14.65	17.79	21.99	Pass
	U-NII-2C	100	5500	SU	12.45	13.38	13.22	14.15	16.72	21.99	Pass
		116	5580	SU	12.74	13.88	13.51	14.65	17.13	21.99	Pass
		140	5700	SU	12.45	12.72	13.22	13.49	16.37	21.99	Pass
	U-NII-3	149	5745	SU	17.66	19.64	18.43	20.41	22.54	27.99	Pass
		157	5785	SU	17.82	19.51	18.59	20.28	22.53	27.99	Pass
		165	5825	SU	16.84	17.13	17.61	17.90	20.77	27.99	Pass
IEEE 802.11ax-HE40	U-NII-1	38	5190	SU	12.45	12.82	13.22	13.59	16.42	27.99	Pass
		46	5230	SU	13.01	13.32	13.78	14.09	16.95	27.99	Pass
	U-NII-2A	54	5270	SU	16.34	16.13	17.11	16.90	20.02	21.99	Pass
		62	5310	SU	16.02	15.88	16.79	16.65	19.73	21.99	Pass
	U-NII-2C	102	5510	SU	16.51	16.47	17.28	17.24	20.27	21.99	Pass
		110	5550	SU	16.66	16.75	17.43	17.52	20.49	21.99	Pass
		134	5670	SU	16.45	15.95	17.22	16.72	19.99	21.99	Pass
	U-NII-3	151	5755	SU	17.62	19.67	18.39	20.44	22.55	27.99	Pass
		159	5795	SU	17.58	19.48	18.35	20.25	22.41	27.99	Pass
IEEE 802.11ax-HE80	U-NII-1	42	5210	SU	12.48	12.81	13.30	13.63	16.48	27.99	Pass
	U-NII-2A	58	5290	SU	12.75	13.77	13.57	14.59	17.12	21.99	Pass
	U-NII-2C	106	5530	SU	17.33	18.42	18.15	19.24	21.74	21.99	Pass
		122	5610	SU	17.54	18.61	18.36	19.43	21.94	21.99	Pass
	U-NII-3	155	5775	SU	17.84	19.76	18.66	20.58	22.74	27.99	Pass
IEEE 802.11ax-HE160	U-NII-2A	50	5250	SU	13.31	13.51	14.13	14.33	17.24	21.99	Pass
	U-NII-2C	114	5570	SU	12.25	13.27	13.07	14.09	16.62	21.99	Pass

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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	15.82	14.52	16.00	14.70	N/A	30.00	Pass	
		40	5200	16.81	15.02	16.99	15.20	N/A	30.00	Pass	
		48	5240	16.71	14.97	16.89	15.15	N/A	30.00	Pass	
	U-NII-2A	52	5260	15.52	15.01	15.70	15.19	N/A	24.00	Pass	
		60	5280	14.94	15.19	15.12	15.37	N/A	24.00	Pass	
		64	5320	14.92	14.78	15.10	14.96	N/A	24.00	Pass	
	U-NII-2C	100	5500	18.41	19.01	18.59	19.19	N/A	24.00	Pass	
		116	5580	18.64	18.68	18.82	18.86	N/A	24.00	Pass	
		140	5700	18.41	17.51	18.59	17.69	N/A	24.00	Pass	
	U-NII-3	149	5745	13.75	13.66	13.93	13.84	N/A	30.00	Pass	
		157	5785	13.99	14.01	14.17	14.19	N/A	30.00	Pass	
		165	5825	12.96	12.26	13.14	12.44	N/A	30.00	Pass	
IEEE 802.11n-HT20	U-NII-1	36	5180	13.38	13.51	13.58	13.71	16.66	29.15	Pass	
		40	5200	14.36	13.97	14.56	14.17	17.38	29.15	Pass	
		48	5240	14.17	14.01	14.37	14.21	17.30	29.15	Pass	
	U-NII-2A	52	5260	15.36	14.95	15.56	15.15	18.37	23.15	Pass	
		60	5280	14.75	14.71	14.95	14.91	17.94	23.15	Pass	
		64	5320	14.83	14.73	15.03	14.93	17.99	23.15	Pass	
	U-NII-2C	100	5500	14.27	14.42	14.47	14.62	17.56	23.15	Pass	
		116	5580	14.62	14.38	14.82	14.58	17.71	23.15	Pass	
		140	5700	14.36	13.37	14.56	13.57	17.10	23.15	Pass	
	U-NII-3	149	5745	12.52	13.72	12.72	13.92	16.37	29.15	Pass	
		157	5785	12.77	14.03	12.97	14.23	16.66	29.15	Pass	
		165	5825	11.73	12.28	11.93	12.48	15.22	29.15	Pass	
IEEE 802.11n-HT40	U-NII-1	38	5190	12.18	12.53	12.56	12.91	15.75	29.15	Pass	
		46	5230	12.64	13.01	13.02	13.39	16.22	29.15	Pass	
	U-NII-2A	54	5270	15.76	15.57	16.14	15.95	19.06	23.15	Pass	
		62	5310	15.54	15.54	15.92	15.92	18.93	23.15	Pass	
	U-NII-2C	102	5510	16.08	16.14	16.46	16.52	19.50	23.15	Pass	
		110	5550	16.24	16.12	16.62	16.50	19.57	23.15	Pass	
	U-NII-2C	134	5670	16.12	15.24	16.50	15.62	19.09	23.15	Pass	
		U-NII-3	151	5755	17.31	18.76	17.69	19.14	21.49	29.15	Pass

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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			
		159	5795	17.36	18.91	17.74	19.29	21.59	29.15	Pass	
IEEE 802.11ac-VHT20	U-NII-1	36	5180	12.53	12.57	12.72	12.76	15.75	29.15	Pass	
		40	5200	13.31	13.08	13.50	13.27	16.40	29.15	Pass	
		48	5240	13.26	13.02	13.45	13.21	16.34	29.15	Pass	
		52	5260	14.47	14.11	14.66	14.30	17.49	23.15	Pass	
	U-NII-2A	60	5280	13.92	13.72	14.11	13.91	17.02	23.15	Pass	
		64	5320	13.96	13.81	14.15	14.00	17.09	23.15	Pass	
		100	5500	14.45	14.46	14.64	14.65	17.66	23.15	Pass	
	U-NII-2C	116	5580	14.82	14.43	15.01	14.62	17.83	23.15	Pass	
		140	5700	14.51	13.49	14.70	13.68	17.23	23.15	Pass	
	U-NII-3	149	5745	11.71	12.72	11.90	12.91	15.44	29.15	Pass	
		157	5785	11.94	13.03	12.13	13.22	15.72	29.15	Pass	
		165	5825	10.91	11.33	11.10	11.52	14.33	29.15	Pass	
IEEE 802.11ac-VHT40	U-NII-1	38	5190	11.48	11.62	11.86	12.00	14.94	29.15	Pass	
		46	5230	11.94	12.08	12.32	12.46	15.40	29.15	Pass	
	U-NII-2A	54	5270	16.08	15.81	16.46	16.19	19.34	23.15	Pass	
		62	5310	16.82	15.69	17.20	16.07	19.68	23.15	Pass	
	U-NII-2C	102	5510	15.93	18.08	16.31	18.46	20.53	23.15	Pass	
		110	5550	16.41	18.26	16.79	18.64	20.82	23.15	Pass	
	U-NII-3	134	5670	16.38	16.76	16.76	17.14	19.96	23.15	Pass	
		151	5755	16.41	17.74	16.79	18.12	20.52	29.15	Pass	
		159	5795	16.66	17.96	17.04	18.34	20.75	29.15	Pass	
IEEE 802.11ac-VHT80	U-NII-1	42	5210	12.45	12.58	13.20	13.33	16.28	29.15	Pass	
	U-NII-2A	58	5290	11.74	12.67	12.49	13.42	15.99	23.15	Pass	
	U-NII-2C	106	5530	17.35	19.02	18.10	19.77	22.03	23.15	Pass	
		122	5610	17.47	18.68	18.22	19.43	21.88	23.15	Pass	
	U-NII-3	155	5775	17.72	18.92	18.47	19.67	22.12	29.15	Pass	
IEEE 802.11ac-VHT160	U-NII-2A	50	5250	13.29	13.23	14.54	14.48	17.52	23.15	Pass	
	U-NII-2C	114	5570	12.23	13.42	13.48	14.67	17.13	23.15	Pass	

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Mode	Band	Channel	Freq. (MHz)	RU & Index	CONDUCTED AVG POWER						Limit (dBm)	Result
					Meas Value (dBm)		Corr'd Value (dBm)					
					Ant. 1	Ant. 3	Ant. 1	Ant. 3	Total			
IEEE 802.11ax-HE20	U-NII-1	36	5180	SU	13.61	13.57	14.38	14.34	17.37	29.15	Pass	
		40	5200	SU	14.54	14.05	15.31	14.82	18.08	29.15	Pass	
		48	5240	SU	14.43	14.03	15.20	14.80	18.01	29.15	Pass	
	U-NII-2A	52	5260	SU	14.57	14.23	15.34	15.00	18.18	23.15	Pass	
		60	5280	SU	14.08	14.31	14.85	15.08	17.98	23.15	Pass	
		64	5320	SU	14.14	18.71	14.91	19.48	20.78	23.15	Pass	
	U-NII-2C	100	5500	SU	12.45	13.52	13.22	14.29	16.80	23.15	Pass	
		116	5580	SU	12.74	13.58	13.51	14.35	16.96	23.15	Pass	
		140	5700	SU	12.45	12.57	13.22	13.34	16.29	23.15	Pass	
	U-NII-3	149	5745	SU	17.66	18.74	18.43	19.51	22.01	29.15	Pass	
		157	5785	SU	17.82	18.94	18.59	19.71	22.20	29.15	Pass	
		165	5825	SU	16.84	17.16	17.61	17.93	20.78	29.15	Pass	
IEEE 802.11ax-HE40	U-NII-1	38	5190	SU	12.45	12.55	13.22	13.32	16.28	29.15	Pass	
		46	5230	SU	13.01	13.14	13.78	13.91	16.86	29.15	Pass	
	U-NII-2A	54	5270	SU	16.34	15.98	17.11	16.75	19.94	23.15	Pass	
		62	5310	SU	16.02	15.83	16.79	16.60	19.71	23.15	Pass	
	U-NII-2C	102	5510	SU	16.51	16.53	17.28	17.30	20.30	23.15	Pass	
		110	5550	SU	16.66	16.56	17.43	17.33	20.39	23.15	Pass	
		134	5670	SU	16.45	15.59	17.22	16.36	19.82	23.15	Pass	
	U-NII-3	151	5755	SU	17.62	18.76	18.39	19.53	22.01	29.15	Pass	
		159	5795	SU	17.58	18.93	18.35	19.70	22.09	29.15	Pass	
IEEE 802.11ax-HE80	U-NII-1	42	5210	SU	12.48	12.53	13.30	13.35	16.34	29.15	Pass	
	U-NII-2A	58	5290	SU	12.75	12.67	13.57	13.49	16.54	23.15	Pass	
	U-NII-2C	106	5530	SU	17.33	19.01	18.15	19.83	22.08	23.15	Pass	
		122	5610	SU	17.54	18.71	18.36	19.53	21.99	23.15	Pass	
	U-NII-3	155	5775	SU	17.84	18.93	18.66	19.75	22.25	29.15	Pass	
IEEE 802.11ax-HE160	U-NII-2A	50	5250	SU	13.31	13.21	14.13	14.03	17.09	23.15	Pass	
	U-NII-2C	114	5570	SU	12.25	13.42	13.07	14.24	16.70	23.15	Pass	

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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	14.73	14.52	14.91	14.70	N/A	30.00	Pass	
		40	5200	15.16	15.02	15.34	15.20	N/A	30.00	Pass	
		48	5240	15.21	14.97	15.39	15.15	N/A	30.00	Pass	
	U-NII-2A	52	5260	15.27	15.01	15.45	15.19	N/A	24.00	Pass	
		60	5280	14.74	15.19	14.92	15.37	N/A	24.00	Pass	
		64	5320	14.76	14.78	14.94	14.96	N/A	24.00	Pass	
	U-NII-2C	100	5500	18.41	19.01	18.59	19.19	N/A	24.00	Pass	
		116	5580	18.62	18.68	18.80	18.86	N/A	24.00	Pass	
		140	5700	17.77	17.51	17.95	17.69	N/A	24.00	Pass	
	U-NII-3	149	5745	14.76	13.66	14.94	13.84	N/A	30.00	Pass	
		157	5785	13.34	14.01	13.52	14.19	N/A	30.00	Pass	
		165	5825	11.81	12.26	11.99	12.44	N/A	30.00	Pass	
IEEE 802.11n-HT20	U-NII-1	36	5180	13.81	13.51	14.01	13.71	16.87	29.15	Pass	
		40	5200	14.28	13.97	14.48	14.17	17.34	29.15	Pass	
		48	5240	14.31	14.01	14.51	14.21	17.37	29.15	Pass	
	U-NII-2A	52	5260	15.28	14.95	15.48	15.15	18.33	23.15	Pass	
		60	5280	14.86	14.71	15.06	14.91	18.00	23.15	Pass	
		64	5320	14.82	14.73	15.02	14.93	17.99	23.15	Pass	
	U-NII-2C	100	5500	14.32	14.42	14.52	14.62	17.58	23.15	Pass	
		116	5580	14.77	14.38	14.97	14.58	17.79	23.15	Pass	
		140	5700	13.65	13.37	13.85	13.57	16.72	23.15	Pass	
	U-NII-3	149	5745	14.79	13.72	14.99	13.92	17.50	29.15	Pass	
		157	5785	15.38	14.03	15.58	14.23	17.97	29.15	Pass	
		165	5825	11.83	12.28	12.03	12.48	15.27	29.15	Pass	
IEEE 802.11n-HT40	U-NII-1	38	5190	12.82	12.53	13.20	12.91	16.07	29.15	Pass	
		46	5230	13.31	13.01	13.69	13.39	16.55	29.15	Pass	
	U-NII-2A	54	5270	15.77	15.57	16.15	15.95	19.06	23.15	Pass	
		62	5310	15.62	15.54	16.00	15.92	18.97	23.15	Pass	
	U-NII-2C	102	5510	16.23	16.14	16.61	16.52	19.58	23.15	Pass	
		110	5550	16.44	16.12	16.82	16.50	19.67	23.15	Pass	
	U-NII-3	134	5670	15.68	15.24	16.06	15.62	18.86	23.15	Pass	
		151	5755	19.67	18.76	20.05	19.14	22.63	29.15	Pass	

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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			
		159	5795	19.55	18.91	19.93	19.29	22.63	29.15	Pass	
IEEE 802.11ac-VHT20	U-NII-1	36	5180	12.76	12.57	12.95	12.76	15.87	29.15	Pass	
		40	5200	13.32	13.08	13.51	13.27	16.40	29.15	Pass	
		48	5240	13.26	13.02	13.45	13.21	16.34	29.15	Pass	
		52	5260	14.32	14.11	14.51	14.30	17.42	23.15	Pass	
	U-NII-2A	60	5280	13.78	13.72	13.97	13.91	16.95	23.15	Pass	
		64	5320	13.76	13.81	13.95	14.00	16.99	23.15	Pass	
		100	5500	14.33	14.46	14.52	14.65	17.60	23.15	Pass	
	U-NII-2C	116	5580	14.76	14.43	14.95	14.62	17.80	23.15	Pass	
		140	5700	13.71	13.49	13.90	13.68	16.80	23.15	Pass	
	U-NII-3	149	5745	13.72	12.72	13.91	12.91	16.45	29.15	Pass	
		157	5785	14.36	13.03	14.55	13.22	16.95	29.15	Pass	
		165	5825	10.76	11.33	10.95	11.52	14.25	29.15	Pass	
IEEE 802.11ac-VHT40	U-NII-1	38	5190	11.81	11.62	12.19	12.00	15.11	29.15	Pass	
		46	5230	12.32	12.08	12.70	12.46	15.59	29.15	Pass	
	U-NII-2A	54	5270	15.97	15.81	16.35	16.19	19.28	23.15	Pass	
		62	5310	15.72	15.69	16.10	16.07	19.10	23.15	Pass	
	U-NII-2C	102	5510	17.36	18.08	17.74	18.46	21.13	23.15	Pass	
		110	5550	17.79	18.26	18.17	18.64	21.42	23.15	Pass	
		134	5670	16.96	16.76	17.34	17.14	20.25	23.15	Pass	
	U-NII-3	151	5755	18.93	17.74	19.31	18.12	21.77	29.15	Pass	
		159	5795	18.81	17.96	19.19	18.34	21.80	29.15	Pass	
IEEE 802.11ac-VHT80	U-NII-1	42	5210	12.78	12.58	13.53	13.33	16.44	29.15	Pass	
	U-NII-2A	58	5290	12.82	12.67	13.57	13.42	16.51	23.15	Pass	
	U-NII-2C	106	5530	18.35	19.02	19.10	19.77	22.46	23.15	Pass	
		122	5610	18.61	18.68	19.36	19.43	22.41	23.15	Pass	
	U-NII-3	155	5775	19.76	18.92	20.51	19.67	23.12	29.15	Pass	
IEEE 802.11ac-VHT160	U-NII-2A	50	5250	13.53	13.23	14.78	14.48	17.64	23.15	Pass	
	U-NII-2C	114	5570	13.25	13.42	14.50	14.67	17.60	23.15	Pass	

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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	13.83	13.57	14.60	14.34	17.48	29.15	Pass
		40	5200	SU	14.28	14.05	15.05	14.82	17.95	29.15	Pass
		48	5240	SU	14.32	14.03	15.09	14.80	17.96	29.15	Pass
	U-NII-2A	52	5260	SU	14.42	14.23	15.19	15.00	18.11	23.15	Pass
		60	5280	SU	13.91	14.31	14.68	15.08	17.89	23.15	Pass
		64	5320	SU	13.88	18.71	14.65	19.48	20.71	23.15	Pass
	U-NII-2C	100	5500	SU	13.38	13.52	14.15	14.29	17.23	23.15	Pass
		116	5580	SU	13.88	13.58	14.65	14.35	17.51	23.15	Pass
		140	5700	SU	12.72	12.57	13.49	13.34	16.43	23.15	Pass
	U-NII-3	149	5745	SU	19.64	18.74	20.41	19.51	22.99	29.15	Pass
		157	5785	SU	19.51	18.94	20.28	19.71	23.01	29.15	Pass
		165	5825	SU	17.13	17.16	17.90	17.93	20.93	29.15	Pass
IEEE 802.11ax-HE40	U-NII-1	38	5190	SU	12.82	12.55	13.59	13.32	16.47	29.15	Pass
		46	5230	SU	13.32	13.14	14.09	13.91	17.01	29.15	Pass
	U-NII-2A	54	5270	SU	16.13	15.98	16.90	16.75	19.84	23.15	Pass
		62	5310	SU	15.88	15.83	16.65	16.60	19.64	23.15	Pass
	U-NII-2C	102	5510	SU	16.47	16.53	17.24	17.30	20.28	23.15	Pass
		110	5550	SU	16.75	16.56	17.52	17.33	20.44	23.15	Pass
		134	5670	SU	15.95	15.59	16.72	16.36	19.55	23.15	Pass
	U-NII-3	151	5755	SU	19.67	18.76	20.44	19.53	23.02	29.15	Pass
		159	5795	SU	19.48	18.93	20.25	19.70	22.99	29.15	Pass
IEEE 802.11ax-HE80	U-NII-1	42	5210	SU	12.81	12.53	13.63	13.35	16.50	29.15	Pass
	U-NII-2A	58	5290	SU	13.77	12.67	14.59	13.49	17.09	23.15	Pass
	U-NII-2C	106	5530	SU	18.42	19.01	19.24	19.83	22.56	23.15	Pass
		122	5610	SU	18.61	18.71	19.43	19.53	22.49	23.15	Pass
	U-NII-3	155	5775	SU	19.76	18.93	20.58	19.75	23.20	29.15	Pass
IEEE 802.11ax-HE160	U-NII-2A	50	5250	SU	13.51	13.21	14.33	14.03	17.19	23.15	Pass
	U-NII-2C	114	5570	SU	13.27	13.42	14.09	14.24	17.18	23.15	Pass

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UTTR-RF-FCCPART15.407-V1.3

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 colocated 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 $11 \text{ dBm} + 10 \log B$, 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 colocated 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

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

2. For U-NII-3 band:

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 500 kHz, Set VBW ≥ 3 RBW, Detector = RMS
- Use the peak marker function to determine the maximum power level in any 500 kHz band segment within the fundamental EBW.
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- 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	5	8.01	8.01	27.99	14.99
U-NII-2A	5	5	8.01	8.01	21.99	8.99
U-NII-2C	5	5	8.01	8.01	21.99	8.99
U-NII-3	5	5	8.01	8.01	27.99	27.99

Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows:

If transmit signals are correlated, then

Directional gain = $10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N \text{ANT}]$ 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	5	6.85	6.85	29.15	16.15
U-NII-2A	5	5	6.85	6.85	23.15	10.15
U-NII-2C	5	5	6.85	6.85	23.15	10.15
U-NII-3	5	5	6.85	6.85	29.15	29.15
Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows: If transmit signals are correlated, then $\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N] \text{ dBi}$ [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	2.5	6.85	6.85	29.15	16.15
U-NII-2A	5	2.5	6.85	6.85	23.15	10.15
U-NII-2C	5	2.5	6.85	6.85	23.15	10.15
U-NII-3	5	2.5	6.85	6.85	29.15	29.15
Unequal antenna gains, with equal transmit powers. Directional gain is to be computed as follows: If transmit signals are correlated, then $\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N] \text{ dBi}$ [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:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBμV/m) = 20 log Emission level (uV/m).
- 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.	

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UTTR-RF-EN300328-V1.2

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:

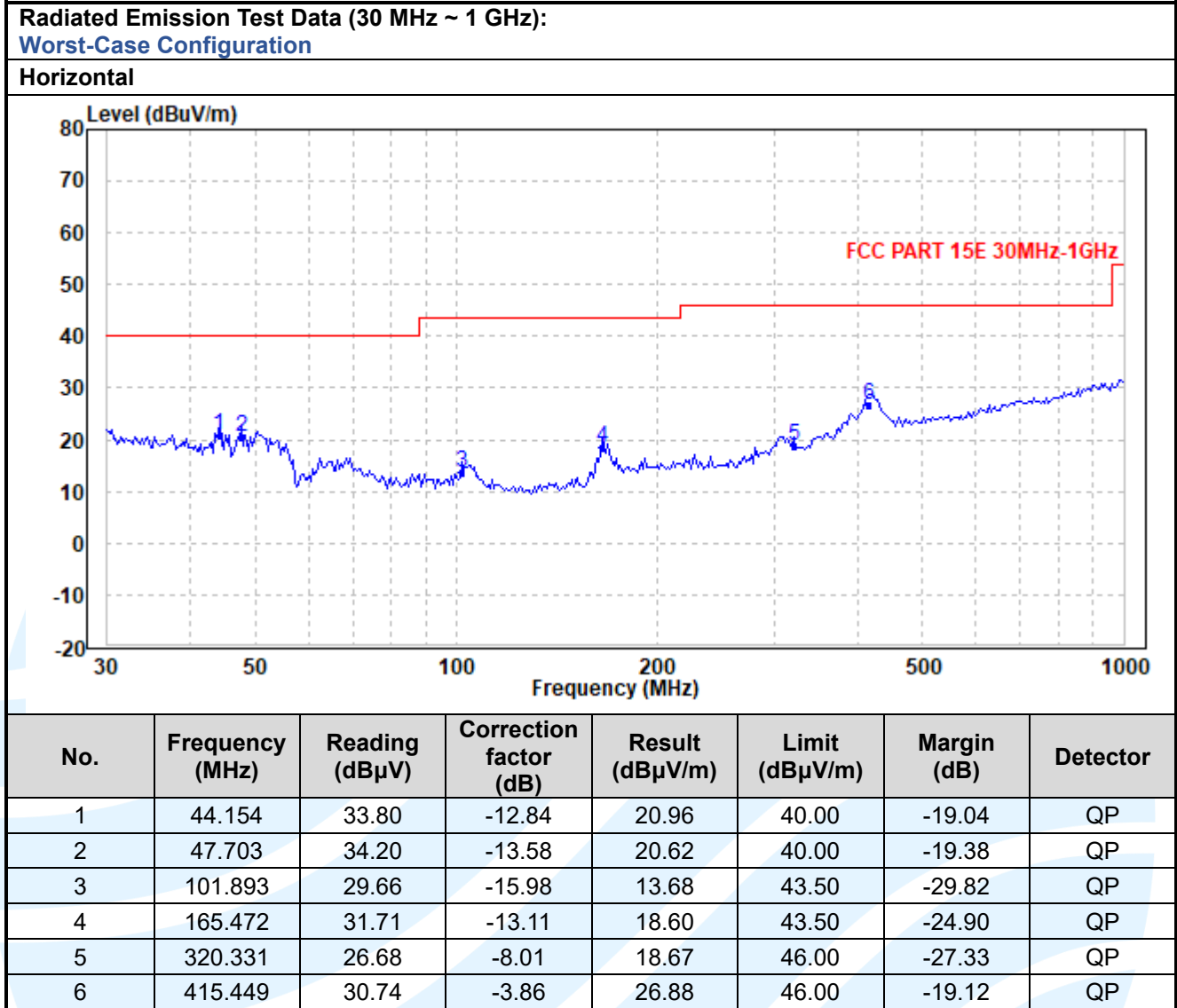
- a) The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
- b) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 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 ($10 \log(1/\text{duty cycle})$).
- d) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz (Duty cycle $\geq 98 \%$) or $\geq 1/T$ (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.

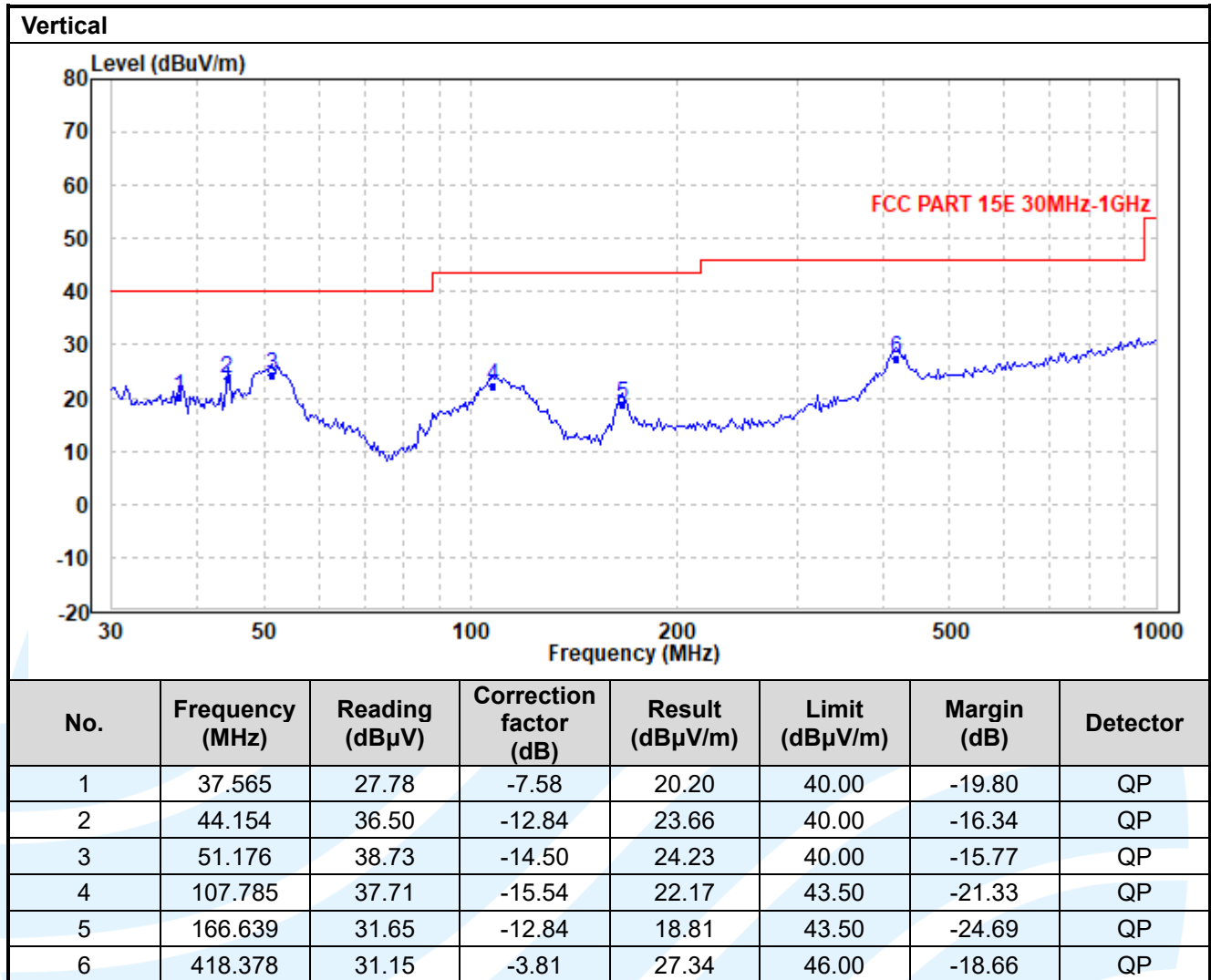
Equipment Used: Refer to section 3 for details.

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.





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	34.29	3.38	37.67	54	-16.33	Average	Horizontal
2	10360	48.06	3.38	51.44	68.2	-16.76	Peak	Horizontal
3	15540	32.08	7.56	39.64	54	-14.36	Average	Horizontal
4	15540	42.73	7.56	50.29	74	-23.71	Peak	Horizontal
5	10360	34.12	3.38	37.50	54	-16.50	Average	Vertical
6	10360	52.07	3.38	55.45	68.2	-12.75	Peak	Vertical
7	15540	32.08	7.56	39.64	54	-14.36	Average	Vertical
8	15540	44.22	7.56	51.78	74	-22.22	Peak	Vertical
SISO_Ant. 1_ IEEE 802.11a_Channel 40								
1	10440	35.35	3.38	38.73	54	-15.27	Average	Horizontal
2	10440	50.11	3.38	53.49	68.2	-14.71	Peak	Horizontal
3	15660	32.59	7.46	40.05	54	-13.95	Average	Horizontal
4	15660	44.44	7.46	51.90	74	-22.10	Peak	Horizontal
5	10440	34.89	3.38	38.27	54	-15.73	Average	Vertical
6	10440	52.54	3.38	55.92	68.2	-12.28	Peak	Vertical
7	15660	32.52	7.46	39.98	54	-14.02	Average	Vertical
8	15660	44.86	7.46	52.32	74	-21.68	Peak	Vertical
SISO_Ant. 1_ IEEE 802.11a_Channel 48								
1	10480	33.86	3.39	37.25	54	-16.75	Average	Horizontal
2	10480	48.01	3.39	51.40	68.2	-16.80	Peak	Horizontal
3	15720	32.29	7.40	39.69	54	-14.31	Average	Horizontal
4	15720	43.55	7.40	50.95	74	-23.05	Peak	Horizontal
5	10480	33.38	3.39	36.77	54	-17.23	Average	Vertical
6	10480	51.28	3.39	54.67	68.2	-13.53	Peak	Vertical
7	15720	32.26	7.40	39.66	54	-14.34	Average	Vertical
8	15720	44.59	7.40	51.99	74	-22.01	Peak	Vertical
SISO_Ant. 1_ IEEE 802.11a_Channel 52								
1	10520	33.84	3.35	37.19	54	-16.81	Average	Horizontal
2	10520	45.98	3.35	49.33	68.2	-18.87	Peak	Horizontal
3	15780	32.34	7.35	39.69	54	-14.31	Average	Horizontal
4	15780	43.74	7.35	51.09	74	-22.91	Peak	Horizontal
5	10520	33.13	3.35	36.48	54	-17.52	Average	Vertical
6	10520	48.60	3.35	51.95	68.2	-16.25	Peak	Vertical
7	15780	32.34	7.35	39.69	54	-14.31	Average	Vertical
8	15780	44.46	7.35	51.81	74	-22.19	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	32.23	3.19	35.42	54	-18.58	Average	Horizontal
2	10600	44.75	3.19	47.94	74	-26.06	Peak	Horizontal
3	15900	30.07	7.24	37.31	54	-16.69	Average	Horizontal
4	15900	44.90	7.24	52.14	74	-21.86	Peak	Horizontal
5	10600	32.68	3.19	35.87	54	-18.13	Average	Vertical
6	10600	45.82	3.19	49.01	74	-24.99	Peak	Vertical
7	15900	30.16	7.24	37.40	54	-16.60	Average	Vertical
8	15900	43.23	7.24	50.47	74	-23.53	Peak	Vertical
SISO_Ant. 1_ IEEE 802.11a_Channel 64								
1	10640	32.22	3.10	35.32	54	-18.68	Average	Horizontal
2	10640	44.98	3.10	48.08	74	-25.92	Peak	Horizontal
3	15960	30.16	7.19	37.35	54	-16.65	Average	Horizontal
4	15960	43.44	7.19	50.63	74	-23.37	Peak	Horizontal
5	10640	32.57	3.10	35.67	54	-18.33	Average	Vertical
6	10640	45.56	3.10	48.66	74	-25.34	Peak	Vertical
7	15960	30.16	7.19	37.35	54	-16.65	Average	Vertical
8	15960	43.24	7.19	50.43	74	-23.57	Peak	Vertical
SISO_Ant. 1_ IEEE 802.11a_Channel 100								
1	11000	34.80	2.36	37.16	54	-16.84	Average	Horizontal
2	11000	49.20	2.36	51.56	74	-22.44	Peak	Horizontal
3	16500	31.33	8.00	39.33	54	-14.67	Average	Horizontal
4	16500	44.31	8.00	52.31	68.2	-15.89	Peak	Horizontal
5	11000	36.08	2.36	38.44	54	-15.56	Average	Vertical
6	11000	50.30	2.36	52.66	74	-21.34	Peak	Vertical
7	16500	31.36	8.00	39.36	54	-14.64	Average	Vertical
8	16500	43.96	8.00	51.96	68.2	-16.24	Peak	Vertical
SISO_Ant. 1_ IEEE 802.11a_Channel 116								
1	11160	33.25	2.25	35.50	54	-18.50	Average	Horizontal
2	11160	48.01	2.25	50.26	74	-23.74	Peak	Horizontal
3	16740	30.57	8.31	38.88	54	-15.12	Average	Horizontal
4	16740	43.50	8.31	51.81	68.2	-16.39	Peak	Horizontal
5	11160	34.40	2.25	36.65	54	-17.35	Average	Vertical
6	11160	49.83	2.25	52.08	74	-21.92	Peak	Vertical
7	16740	31.07	8.31	39.38	54	-14.62	Average	Vertical
8	16740	47.37	8.31	55.68	68.2	-12.52	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	31.86	2.11	33.97	54	-20.03	Average	Horizontal
2	11400	44.16	2.11	46.27	74	-27.73	Peak	Horizontal
3	17100	31.11	8.79	39.90	54	-14.10	Average	Horizontal
4	17100	44.17	8.79	52.96	68.2	-15.24	Peak	Horizontal
5	11400	33.20	2.11	35.31	54	-18.69	Average	Vertical
6	11400	47.50	2.11	49.61	74	-24.39	Peak	Vertical
7	17100	31.11	8.79	39.90	54	-14.10	Average	Vertical
8	17100	43.83	8.79	52.62	68.2	-15.58	Peak	Vertical
SISO_Ant. 1_ IEEE 802.11a_Channel 149								
1	11490	32.11	2.06	34.17	54	-19.83	Average	Horizontal
2	11490	44.76	2.06	46.82	74	-27.18	Peak	Horizontal
3	17235	30.74	8.99	39.73	54	-14.27	Average	Horizontal
4	17235	44.27	8.99	53.26	68.2	-14.94	Peak	Horizontal
5	11490	32.63	2.06	34.69	54	-19.31	Average	Vertical
6	11490	47.05	2.06	49.11	74	-24.89	Peak	Vertical
7	17235	30.70	8.99	39.69	54	-14.31	Average	Vertical
8	17235	43.12	8.99	52.11	68.2	-16.09	Peak	Vertical
SISO_Ant. 1_ IEEE 802.11a_Channel 157								
1	11570	32.75	2.05	34.80	54	-19.20	Average	Horizontal
2	11570	45.89	2.05	47.94	74	-26.06	Peak	Horizontal
3	17355	30.63	9.16	39.79	54	-14.21	Average	Horizontal
4	17355	43.40	9.16	52.56	68.2	-15.64	Peak	Horizontal
5	11570	36.00	2.05	38.05	54	-15.95	Average	Vertical
6	11570	51.16	2.05	53.21	74	-20.79	Peak	Vertical
7	17355	30.63	9.16	39.79	54	-14.21	Average	Vertical
8	17355	43.40	9.16	52.56	68.2	-15.64	Peak	Vertical
SISO_Ant. 1_ IEEE 802.11a_Channel 165								
1	11650	32.53	2.08	34.61	54	-19.39	Average	Horizontal
2	11650	45.36	2.08	47.44	74	-26.56	Peak	Horizontal
3	17475	29.56	9.33	38.89	54	-15.11	Average	Horizontal
4	17475	41.79	9.33	51.12	68.2	-17.08	Peak	Horizontal
5	11650	33.83	2.08	35.91	54	-18.09	Average	Vertical
6	11650	47.31	2.08	49.39	74	-24.61	Peak	Vertical
7	17475	29.61	9.33	38.94	54	-15.06	Average	Vertical
8	17475	42.41	9.33	51.74	68.2	-16.46	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_IIEEE 802.11a_Channel 36								
1	10360	33.38	3.38	36.76	54	-17.24	Average	Horizontal
2	10360	49.21	3.38	52.59	68.2	-15.61	Peak	Horizontal
3	15540	30.98	7.56	38.54	54	-15.46	Average	Horizontal
4	15540	44.01	7.56	51.57	74	-22.43	Peak	Horizontal
5	10360	34.21	3.38	37.59	54	-16.41	Average	Vertical
6	10360	47.38	3.38	50.76	68.2	-17.44	Peak	Vertical
7	15540	31.22	7.56	38.78	54	-15.22	Average	Vertical
8	15540	43.55	7.56	51.11	74	-22.89	Peak	Vertical
SISO_Ant. 2_IIEEE 802.11a_Channel 40								
1	10440	33.63	3.38	37.01	54	-16.99	Average	Horizontal
2	10440	45.16	3.38	48.54	68.2	-19.66	Peak	Horizontal
3	15660	31.28	7.46	38.74	54	-15.26	Average	Horizontal
4	15660	43.16	7.46	50.62	74	-23.38	Peak	Horizontal
5	10440	34.44	3.38	37.82	54	-16.18	Average	Vertical
6	10440	50.30	3.38	53.68	68.2	-14.52	Peak	Vertical
7	15660	31.59	7.46	39.05	54	-14.95	Average	Vertical
8	15660	45.57	7.46	53.03	74	-20.97	Peak	Vertical
SISO_Ant. 2_IIEEE 802.11a_Channel 48								
1	10480	31.82	3.39	35.21	54	-18.79	Average	Horizontal
2	10480	50.09	3.39	53.48	68.2	-14.72	Peak	Horizontal
3	15720	30.93	7.40	38.33	54	-15.67	Average	Horizontal
4	15720	43.70	7.40	51.10	74	-22.90	Peak	Horizontal
5	10480	33.03	3.39	36.42	54	-17.58	Average	Vertical
6	10480	51.53	3.39	54.92	68.2	-13.28	Peak	Vertical
7	15720	30.97	7.40	38.37	54	-15.63	Average	Vertical
8	15720	43.76	7.40	51.16	74	-22.84	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	31.82	3.35	35.17	54	-18.83	Average	Horizontal
2	10520	46.23	3.35	49.58	68.2	-18.62	Peak	Horizontal
3	15780	31.26	7.35	38.61	54	-15.39	Average	Horizontal
4	15780	44.55	7.35	51.90	74	-22.10	Peak	Horizontal
5	10520	32.26	3.35	35.61	54	-18.39	Average	Vertical
6	10520	49.90	3.35	53.25	68.2	-14.95	Peak	Vertical
7	15780	31.14	7.35	38.49	54	-15.51	Average	Vertical
8	15780	43.95	7.35	51.30	74	-22.70	Peak	Vertical
SISO_Ant. 2_ IEEE 802.11a_Channel 56								
1	10600	31.27	3.19	34.46	54	-19.54	Average	Horizontal
2	10600	44.27	3.19	47.46	74	-26.54	Peak	Horizontal
3	15900	29.70	7.24	36.94	54	-17.06	Average	Horizontal
4	15900	43.02	7.24	50.26	74	-23.74	Peak	Horizontal
5	10600	31.76	3.19	34.95	54	-19.05	Average	Vertical
6	10600	46.41	3.19	49.60	74	-24.40	Peak	Vertical
7	15900	29.46	7.24	36.70	54	-17.30	Average	Vertical
8	15900	43.23	7.24	50.47	74	-23.53	Peak	Vertical
SISO_Ant. 2_ IEEE 802.11a_Channel 64								
1	10640	31.55	3.10	34.65	54	-19.35	Average	Horizontal
2	10640	45.41	3.10	48.51	74	-25.49	Peak	Horizontal
3	15960	29.75	7.19	36.94	54	-17.06	Average	Horizontal
4	15960	42.77	7.19	49.96	74	-24.04	Peak	Horizontal
5	10640	31.55	3.10	34.65	54	-19.35	Average	Vertical
6	10640	46.76	3.10	49.86	74	-24.14	Peak	Vertical
7	15960	29.65	7.19	36.84	54	-17.16	Average	Vertical
8	15960	42.39	7.19	49.58	74	-24.42	Peak	Vertical
SISO_Ant. 2_ IEEE 802.11a_Channel 100								
1	11000	33.13	2.36	35.49	54	-18.51	Average	Horizontal
2	11000	48.54	2.36	50.90	74	-23.10	Peak	Horizontal
3	16500	30.76	8.00	38.76	54	-15.24	Average	Horizontal
4	16500	43.28	8.00	51.28	68.2	-16.92	Peak	Horizontal
5	11000	33.38	2.36	35.74	54	-18.26	Average	Vertical
6	11000	51.58	2.36	53.94	74	-20.06	Peak	Vertical
7	16500	30.88	8.00	38.88	54	-15.12	Average	Vertical
8	16500	43.10	8.00	51.10	68.2	-17.10	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	31.62	2.25	33.87	54	-20.13	Average	Horizontal
2	11160	44.09	2.25	46.34	74	-27.66	Peak	Horizontal
3	16740	30.27	8.31	38.58	54	-15.42	Average	Horizontal
4	16740	43.20	8.31	51.51	68.2	-16.69	Peak	Horizontal
5	11160	31.70	2.25	33.95	54	-20.05	Average	Vertical
6	11160	45.11	2.25	47.36	74	-26.64	Peak	Vertical
7	16740	30.31	8.31	38.62	54	-15.38	Average	Vertical
8	16740	42.88	8.31	51.19	68.2	-17.01	Peak	Vertical
SISO_Ant. 2_ IEEE 802.11a_Channel 140								
1	11400	31.45	2.11	33.56	54	-20.44	Average	Horizontal
2	11400	45.66	2.11	47.77	74	-26.23	Peak	Horizontal
3	17100	30.70	8.79	39.49	54	-14.51	Average	Horizontal
4	17100	43.75	8.79	52.54	68.2	-15.66	Peak	Horizontal
5	11400	31.68	2.11	33.79	54	-20.21	Average	Vertical
6	11400	50.71	2.11	52.82	74	-21.18	Peak	Vertical
7	17100	30.57	8.79	39.36	54	-14.64	Average	Vertical
8	17100	43.85	8.79	52.64	68.2	-15.56	Peak	Vertical
SISO_Ant. 2_ IEEE 802.11a_Channel 149								
1	11490	31.59	2.06	33.65	54	-20.35	Average	Horizontal
2	11490	48.53	2.06	50.59	74	-23.41	Peak	Horizontal
3	17235	30.17	8.99	39.16	54	-14.84	Average	Horizontal
4	17235	43.22	8.99	52.21	68.2	-15.99	Peak	Horizontal
5	11490	31.74	2.06	33.80	54	-20.20	Average	Vertical
6	11490	50.10	2.06	52.16	74	-21.84	Peak	Vertical
7	17235	30.31	8.99	39.30	54	-14.70	Average	Vertical
8	17235	43.23	8.99	52.22	68.2	-15.98	Peak	Vertical
SISO_Ant. 2_ IEEE 802.11a_Channel 157								
1	11570	31.42	2.05	33.47	54	-20.53	Average	Horizontal
2	11570	49.78	2.05	51.83	74	-22.17	Peak	Horizontal
3	17355	30.28	9.16	39.44	54	-14.56	Average	Horizontal
4	17355	42.56	9.16	51.72	68.2	-16.48	Peak	Horizontal
5	11570	31.14	2.05	33.19	54	-20.81	Average	Vertical
6	11570	51.33	2.05	53.38	74	-20.62	Peak	Vertical
7	17355	30.37	9.16	39.53	54	-14.47	Average	Vertical
8	17355	43.77	9.16	52.93	68.2	-15.27	Peak	Vertical

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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	31.59	2.08	33.67	54	-20.33	Average	Horizontal
2	11650	44.61	2.08	46.69	74	-27.31	Peak	Horizontal
3	17475	29.11	9.33	38.44	54	-15.56	Average	Horizontal
4	17475	42.32	9.33	51.65	68.2	-16.55	Peak	Horizontal
5	11650	31.78	2.08	33.86	54	-20.14	Average	Vertical
6	11650	47.16	2.08	49.24	74	-24.76	Peak	Vertical
7	17475	29.17	9.33	38.50	54	-15.50	Average	Vertical
8	17475	41.71	9.33	51.04	68.2	-17.16	Peak	Vertical
SISO_Ant. 3_ IEEE 802.11a_Channel 36								
1	10360	33.06	3.38	36.44	54	-17.56	Average	Horizontal
2	10360	49.60	3.38	52.98	68.2	-15.22	Peak	Horizontal
3	15540	30.94	7.56	38.50	54	-15.50	Average	Horizontal
4	15540	43.75	7.56	51.31	74	-22.69	Peak	Horizontal
5	10360	33.09	3.38	36.47	54	-17.53	Average	Vertical
6	10360	49.65	3.38	53.03	68.2	-15.17	Peak	Vertical
7	15540	30.98	7.56	38.54	54	-15.46	Average	Vertical
8	15540	43.91	7.56	51.47	74	-22.53	Peak	Vertical
SISO_Ant. 3_ IEEE 802.11a_Channel 40								
1	10440	33.10	3.38	36.48	54	-17.52	Average	Horizontal
2	10440	45.57	3.38	48.95	68.2	-19.25	Peak	Horizontal
3	15660	30.79	7.46	38.25	54	-15.75	Average	Horizontal
4	15660	43.55	7.46	51.01	74	-22.99	Peak	Horizontal
5	10440	33.93	3.38	37.31	54	-16.69	Average	Vertical
6	10440	49.94	3.38	53.32	68.2	-14.88	Peak	Vertical
7	15660	31.28	7.46	38.74	54	-15.26	Average	Vertical
8	15660	44.45	7.46	51.91	74	-22.09	Peak	Vertical
SISO_Ant. 3_ IEEE 802.11a_Channel 48								
1	10480	31.71	3.39	35.10	54	-18.90	Average	Horizontal
2	10480	45.62	3.39	49.01	68.2	-19.19	Peak	Horizontal
3	15720	31.25	7.40	38.65	54	-15.35	Average	Horizontal
4	15720	43.69	7.40	51.09	74	-22.91	Peak	Horizontal
5	10480	32.39	3.39	35.78	54	-18.22	Average	Vertical
6	10480	48.90	3.39	52.29	68.2	-15.91	Peak	Vertical
7	15720	30.51	7.40	37.91	54	-16.09	Average	Vertical
8	15720	43.22	7.40	50.62	74	-23.38	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	31.75	3.35	35.10	54	-18.90	Average	Horizontal
2	10520	44.42	3.35	47.77	68.2	-20.43	Peak	Horizontal
3	15780	31.38	7.35	38.73	54	-15.27	Average	Horizontal
4	15780	45.11	7.35	52.46	74	-21.54	Peak	Horizontal
5	10520	32.22	3.35	35.57	54	-18.43	Average	Vertical
6	10520	46.84	3.35	50.19	68.2	-18.01	Peak	Vertical
7	15780	30.52	7.35	37.87	54	-16.13	Average	Vertical
8	15780	43.44	7.35	50.79	74	-23.21	Peak	Vertical
SISO_Ant. 3_ IEEE 802.11a_Channel 56								
1	10600	31.19	3.19	34.38	54	-19.62	Average	Horizontal
2	10600	44.43	3.19	47.62	74	-26.38	Peak	Horizontal
3	15900	29.88	7.24	37.12	54	-16.88	Average	Horizontal
4	15900	42.55	7.24	49.79	74	-24.21	Peak	Horizontal
5	10600	31.58	3.19	34.77	54	-19.23	Average	Vertical
6	10600	43.87	3.19	47.06	74	-26.94	Peak	Vertical
7	15900	30.02	7.24	37.26	54	-16.74	Average	Vertical
8	15900	43.05	7.24	50.29	74	-23.71	Peak	Vertical
SISO_Ant. 3_ IEEE 802.11a_Channel 64								
1	10640	31.24	3.10	34.34	54	-19.66	Average	Horizontal
2	10640	44.50	3.10	47.60	74	-26.40	Peak	Horizontal
3	15960	30.03	7.19	37.22	54	-16.78	Average	Horizontal
4	15960	42.59	7.19	49.78	74	-24.22	Peak	Horizontal
5	10640	31.59	3.10	34.69	54	-19.31	Average	Vertical
6	10640	44.27	3.10	47.37	74	-26.63	Peak	Vertical
7	15960	29.89	7.19	37.08	54	-16.92	Average	Vertical
8	15960	43.26	7.19	50.45	74	-23.55	Peak	Vertical
SISO_Ant. 3_ IEEE 802.11a_Channel 100								
1	11000	32.50	2.36	34.86	54	-19.14	Average	Horizontal
2	11000	44.78	2.36	47.14	74	-26.86	Peak	Horizontal
3	16500	30.96	8.00	38.96	54	-15.04	Average	Horizontal
4	16500	43.95	8.00	51.95	68.2	-16.25	Peak	Horizontal
5	11000	32.90	2.36	35.26	54	-18.74	Average	Vertical
6	11000	47.22	2.36	49.58	74	-24.42	Peak	Vertical
7	16500	30.92	8.00	38.92	54	-15.08	Average	Vertical
8	16500	44.06	8.00	52.06	68.2	-16.14	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	31.47	2.25	33.72	54	-20.28	Average	Horizontal
2	11160	44.95	2.25	47.20	74	-26.80	Peak	Horizontal
3	16740	30.48	8.31	38.79	54	-15.21	Average	Horizontal
4	16740	43.94	8.31	52.25	68.2	-15.95	Peak	Horizontal
5	11160	31.85	2.25	34.10	54	-19.90	Average	Vertical
6	11160	45.73	2.25	47.98	74	-26.02	Peak	Vertical
7	16740	30.44	8.31	38.75	54	-15.25	Average	Vertical
8	16740	46.44	8.31	54.75	68.2	-13.45	Peak	Vertical
SISO_Ant. 3_IEEE 802.11a_Channel 140								
1	11400	31.56	2.11	33.67	54	-20.33	Average	Horizontal
2	11400	44.59	2.11	46.70	74	-27.30	Peak	Horizontal
3	17100	30.53	8.79	39.32	54	-14.68	Average	Horizontal
4	17100	41.88	8.79	50.67	68.2	-17.53	Peak	Horizontal
5	11400	32.26	2.11	34.37	54	-19.63	Average	Vertical
6	11400	46.53	2.11	48.64	74	-25.36	Peak	Vertical
7	17100	30.57	8.79	39.36	54	-14.64	Average	Vertical
8	17100	43.11	8.79	51.90	68.2	-16.30	Peak	Vertical
SISO_Ant. 3_IEEE 802.11a_Channel 149								
1	11490	31.59	2.06	33.65	54	-20.35	Average	Horizontal
2	11490	44.20	2.06	46.26	74	-27.74	Peak	Horizontal
3	17235	30.17	8.99	39.16	54	-14.84	Average	Horizontal
4	17235	42.64	8.99	51.63	68.2	-16.57	Peak	Horizontal
5	11490	31.74	2.06	33.80	54	-20.20	Average	Vertical
6	11490	45.54	2.06	47.60	74	-26.40	Peak	Vertical
7	17235	30.26	8.99	39.25	54	-14.75	Average	Vertical
8	17235	43.11	8.99	52.10	68.2	-16.10	Peak	Vertical
SISO_Ant. 3_IEEE 802.11a_Channel 157								
1	11570	30.77	2.05	32.82	54	-21.18	Average	Horizontal
2	11570	44.49	2.05	46.54	74	-27.46	Peak	Horizontal
3	17355	30.15	9.16	39.31	54	-14.69	Average	Horizontal
4	17355	43.34	9.16	52.50	68.2	-15.70	Peak	Horizontal
5	11570	31.38	2.05	33.43	54	-20.57	Average	Vertical
6	11570	45.61	2.05	47.66	74	-26.34	Peak	Vertical
7	17355	30.24	9.16	39.40	54	-14.60	Average	Vertical
8	17355	43.27	9.16	52.43	68.2	-15.77	Peak	Vertical

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UTTR-RF-EN300328-V1.2

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	31.67	2.08	33.75	54	-20.25	Average	Horizontal
2	11650	44.58	2.08	46.66	74	-27.34	Peak	Horizontal
3	17475	29.17	9.33	38.50	54	-15.50	Average	Horizontal
4	17475	41.96	9.33	51.29	68.2	-16.91	Peak	Horizontal
5	11650	31.85	2.08	33.93	54	-20.07	Average	Vertical
6	11650	45.41	2.08	47.49	74	-26.51	Peak	Vertical
7	17475	29.22	9.33	38.55	54	-15.45	Average	Vertical
8	17475	41.97	9.33	51.30	68.2	-16.90	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_ Channel 36								
1	10360	33.03	3.38	36.41	54	-17.59	Average	Horizontal
2	10360	44.03	3.38	47.41	68.2	-20.79	Peak	Horizontal
3	15540	31.34	7.56	38.90	54	-15.10	Average	Horizontal
4	15540	42.36	7.56	49.92	74	-24.08	Peak	Horizontal
5	10360	32.57	3.38	35.95	54	-18.05	Average	Vertical
6	10360	44.67	3.38	48.05	68.2	-20.15	Peak	Vertical
7	15540	30.81	7.56	38.37	54	-15.63	Average	Vertical
8	15540	42.22	7.56	49.78	74	-24.22	Peak	Vertical
MIMO_ Ant. 1+2_ IEEE 802.11n-HT20_ Channel 40								
1	10440	33.26	3.38	36.64	54	-17.36	Average	Horizontal
2	10440	44.69	3.38	48.07	68.2	-20.13	Peak	Horizontal
3	15660	31.62	7.46	39.08	54	-14.92	Average	Horizontal
4	15660	43.41	7.46	50.87	74	-23.13	Peak	Horizontal
5	10440	33.32	3.38	36.70	54	-17.30	Average	Vertical
6	10440	50.67	3.38	54.05	68.2	-14.15	Peak	Vertical
7	15660	31.47	7.46	38.93	54	-15.07	Average	Vertical
8	15660	45.06	7.46	52.52	74	-21.48	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	31.82	3.39	35.21	54	-18.79	Average	Horizontal
2	10480	42.84	3.39	46.23	68.2	-21.97	Peak	Horizontal
3	15720	31.45	7.40	38.85	54	-15.15	Average	Horizontal
4	15720	43.27	7.40	50.67	74	-23.33	Peak	Horizontal
5	10480	32.18	3.39	35.57	54	-18.43	Average	Vertical
6	10480	43.55	3.39	46.94	68.2	-21.26	Peak	Vertical
7	15720	31.53	7.40	38.93	54	-15.07	Average	Vertical
8	15720	43.14	7.40	50.54	74	-23.46	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT20_Channel 52								
1	10520	32.04	3.35	35.39	54	-18.61	Average	Horizontal
2	10520	44.31	3.35	47.66	68.2	-20.54	Peak	Horizontal
3	15780	31.46	7.35	38.81	54	-15.19	Average	Horizontal
4	15780	42.91	7.35	50.26	74	-23.74	Peak	Horizontal
5	10520	31.97	3.35	35.32	54	-18.68	Average	Vertical
6	10520	43.70	3.35	47.05	68.2	-21.15	Peak	Vertical
7	15780	31.73	7.35	39.08	54	-14.92	Average	Vertical
8	15780	43.82	7.35	51.17	74	-22.83	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT20_Channel 56								
1	10600	31.61	3.19	34.80	54	-19.20	Average	Horizontal
2	10600	42.69	3.19	45.88	74	-28.12	Peak	Horizontal
3	15900	30.25	7.24	37.49	54	-16.51	Average	Horizontal
4	15900	41.70	7.24	48.94	74	-25.06	Peak	Horizontal
5	10600	32.44	3.19	35.63	54	-18.37	Average	Vertical
6	10600	45.02	3.19	48.21	74	-25.79	Peak	Vertical
7	15900	30.25	7.24	37.49	54	-16.51	Average	Vertical
8	15900	41.96	7.24	49.20	74	-24.80	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT20_Channel 64								
1	10640	31.82	3.10	34.92	54	-19.08	Average	Horizontal
2	10640	45.50	3.10	48.60	74	-25.40	Peak	Horizontal
3	15960	30.47	7.19	37.66	54	-16.34	Average	Horizontal
4	15960	43.37	7.19	50.56	74	-23.44	Peak	Horizontal
5	10640	32.18	3.10	35.28	54	-18.72	Average	Vertical
6	10640	46.32	3.10	49.42	74	-24.58	Peak	Vertical
7	15960	30.47	7.19	37.66	54	-16.34	Average	Vertical
8	15960	43.13	7.19	50.32	74	-23.68	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	32.87	2.36	35.23	54	-18.77	Average	Horizontal
2	11000	43.78	2.36	46.14	74	-27.86	Peak	Horizontal
3	16500	31.29	8.00	39.29	54	-14.71	Average	Horizontal
4	16500	42.68	8.00	50.68	68.2	-17.52	Peak	Horizontal
5	11000	34.40	2.36	36.76	54	-17.24	Average	Vertical
6	11000	48.02	2.36	50.38	74	-23.62	Peak	Vertical
7	16500	31.13	8.00	39.13	54	-14.87	Average	Vertical
8	16500	42.73	8.00	50.73	68.2	-17.47	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT20_Channel 116								
1	11000	32.87	2.36	35.23	54	-18.77	Average	Horizontal
2	11160	42.77	2.25	45.02	74	-28.98	Peak	Horizontal
3	16500	31.29	8.00	39.29	54	-14.71	Average	Horizontal
4	16740	42.08	8.31	50.39	68.2	-17.81	Peak	Horizontal
5	11160	32.10	2.25	34.35	54	-19.65	Average	Vertical
6	11160	43.74	2.25	45.99	74	-28.01	Peak	Vertical
7	16740	30.40	8.31	38.71	54	-15.29	Average	Vertical
8	16740	41.71	8.31	50.02	68.2	-18.18	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT20_Channel 140								
1	11400	31.37	2.11	33.48	54	-20.52	Average	Horizontal
2	11400	42.72	2.11	44.83	74	-29.17	Peak	Horizontal
3	17100	30.86	8.79	39.65	54	-14.35	Average	Horizontal
4	17100	42.94	8.79	51.73	68.2	-16.47	Peak	Horizontal
5	11400	31.79	2.11	33.90	54	-20.10	Average	Vertical
6	11400	44.07	2.11	46.18	74	-27.82	Peak	Vertical
7	17100	30.94	8.79	39.73	54	-14.27	Average	Vertical
8	17100	43.26	8.79	52.05	68.2	-16.15	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT20_Channel 149								
1	11490	31.89	2.06	33.95	54	-20.05	Average	Horizontal
2	11490	45.30	2.06	47.36	74	-26.64	Peak	Horizontal
3	17235	30.65	8.99	39.64	54	-14.36	Average	Horizontal
4	17235	43.35	8.99	52.34	68.2	-15.86	Peak	Horizontal
5	11490	32.14	2.06	34.20	54	-19.80	Average	Vertical
6	11490	44.04	2.06	46.10	74	-27.90	Peak	Vertical
7	17235	30.57	8.99	39.56	54	-14.44	Average	Vertical
8	17235	41.14	8.99	50.13	68.2	-18.07	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	32.02	2.05	34.07	54	-19.93	Average	Horizontal
2	11570	44.49	2.05	46.54	74	-27.46	Peak	Horizontal
3	17355	30.63	9.16	39.79	54	-14.21	Average	Horizontal
4	17355	42.68	9.16	51.84	68.2	-16.36	Peak	Horizontal
5	11570	31.72	2.05	33.77	54	-20.23	Average	Vertical
6	11570	43.29	2.05	45.34	74	-28.66	Peak	Vertical
7	17355	30.46	9.16	39.62	54	-14.38	Average	Vertical
8	17355	42.40	9.16	51.56	68.2	-16.64	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT20_Channel 165								
1	11650	32.00	2.08	34.08	54	-19.92	Average	Horizontal
2	11650	43.40	2.08	45.48	74	-28.52	Peak	Horizontal
3	17475	29.41	9.33	38.74	54	-15.26	Average	Horizontal
4	17475	41.71	9.33	51.04	68.2	-17.16	Peak	Horizontal
5	11650	32.07	2.08	34.15	54	-19.85	Average	Vertical
6	11650	44.48	2.08	46.56	74	-27.44	Peak	Vertical
7	17475	29.36	9.33	38.69	54	-15.31	Average	Vertical
8	17475	40.54	9.33	49.87	68.2	-18.33	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT40_Channel 38								
1	10380	33.22	3.38	36.60	54	-17.40	Average	Horizontal
2	10380	43.14	3.38	46.52	68.2	-21.68	Peak	Horizontal
3	15570	30.75	7.54	38.29	54	-15.71	Average	Horizontal
4	15570	41.77	7.54	49.31	74	-24.69	Peak	Horizontal
5	10380	33.25	3.38	36.63	54	-17.37	Average	Vertical
6	10380	45.20	3.38	48.58	68.2	-19.62	Peak	Vertical
7	15570	30.87	7.54	38.41	54	-15.59	Average	Vertical
8	15570	42.37	7.54	49.91	74	-24.09	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	33.37	3.40	36.77	54	-17.23	Average	Horizontal
2	10460	44.07	3.40	47.47	68.2	-20.73	Peak	Horizontal
3	15690	31.59	7.42	39.01	54	-14.99	Average	Horizontal
4	15690	43.36	7.42	50.78	74	-23.22	Peak	Horizontal
5	10460	33.64	3.40	37.04	54	-16.96	Average	Vertical
6	10460	45.91	3.40	49.31	68.2	-18.89	Peak	Vertical
7	15690	31.74	7.42	39.16	54	-14.84	Average	Vertical
8	15690	43.09	7.42	50.51	74	-23.49	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT40_Channel 54								
1	10540	32.00	3.30	35.30	54	-18.70	Average	Horizontal
2	10540	42.86	3.30	46.16	68.2	-22.04	Peak	Horizontal
3	15810	30.92	7.33	38.25	54	-15.75	Average	Horizontal
4	15810	42.69	7.33	50.02	74	-23.98	Peak	Horizontal
5	10540	32.89	3.30	36.19	54	-17.81	Average	Vertical
6	10540	45.43	3.30	48.73	68.2	-19.47	Peak	Vertical
7	15810	30.88	7.33	38.21	54	-15.79	Average	Vertical
8	15810	42.88	7.33	50.21	74	-23.79	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT40_Channel 62								
1	10620	31.96	3.14	35.10	54	-18.90	Average	Horizontal
2	10620	43.14	3.14	46.28	74	-27.72	Peak	Horizontal
3	15930	30.23	7.21	37.44	54	-16.56	Average	Horizontal
4	15930	42.63	7.21	49.84	74	-24.16	Peak	Horizontal
5	10620	32.35	3.14	35.49	54	-18.51	Average	Vertical
6	10620	44.18	3.14	47.32	74	-26.68	Peak	Vertical
7	15930	30.32	7.21	37.53	54	-16.47	Average	Vertical
8	15930	42.26	7.21	49.47	74	-24.53	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT40_Channel 102								
1	11020	32.81	2.35	35.16	54	-18.84	Average	Horizontal
2	11020	43.75	2.35	46.10	74	-27.90	Peak	Horizontal
3	16530	31.21	8.04	39.25	54	-14.75	Average	Horizontal
4	16530	43.19	8.04	51.23	68.2	-16.97	Peak	Horizontal
5	11020	33.81	2.35	36.16	54	-17.84	Average	Vertical
6	11020	46.94	2.35	49.29	74	-24.71	Peak	Vertical
7	16530	31.29	8.04	39.33	54	-14.67	Average	Vertical
8	16530	42.34	8.04	50.38	68.2	-17.82	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	31.57	2.30	33.87	54	-20.13	Average	Horizontal
2	11100	43.86	2.30	46.16	74	-27.84	Peak	Horizontal
3	16650	30.51	8.20	38.71	54	-15.29	Average	Horizontal
4	16650	41.36	8.20	49.56	68.2	-18.64	Peak	Horizontal
5	11100	32.41	2.30	34.71	54	-19.29	Average	Vertical
6	11100	44.93	2.30	47.23	74	-26.77	Peak	Vertical
7	16650	30.55	8.20	38.75	54	-15.25	Average	Vertical
8	16650	42.14	8.20	50.34	68.2	-17.86	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT40_Channel 134								
1	11340	31.44	2.16	33.60	54	-20.40	Average	Horizontal
2	11340	44.58	2.16	46.74	74	-27.26	Peak	Horizontal
3	17010	30.80	8.67	39.47	54	-14.53	Average	Horizontal
4	17010	44.12	8.67	52.79	68.2	-15.41	Peak	Horizontal
5	11340	31.44	2.16	33.60	54	-20.40	Average	Vertical
6	11340	43.94	2.16	46.10	74	-27.90	Peak	Vertical
7	17010	30.68	8.67	39.35	54	-14.65	Average	Vertical
8	17010	42.62	8.67	51.29	68.2	-16.91	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT40_Channel 151								
1	11510	32.15	2.05	34.20	54	-19.80	Average	Horizontal
2	11510	46.05	2.05	48.10	74	-25.90	Peak	Horizontal
3	17265	30.40	9.03	39.43	54	-14.57	Average	Horizontal
4	17265	43.00	9.03	52.03	68.2	-16.17	Peak	Horizontal
5	11510	32.47	2.05	34.52	54	-19.48	Average	Vertical
6	11510	43.53	2.05	45.58	74	-28.42	Peak	Vertical
7	17265	30.44	9.03	39.47	54	-14.53	Average	Vertical
8	17265	40.82	9.03	49.85	68.2	-18.35	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11n-HT40_Channel 159								
1	11590	31.96	2.07	34.03	54	-19.97	Average	Horizontal
2	11590	42.73	2.07	44.80	74	-29.20	Peak	Horizontal
3	17385	30.32	9.21	39.53	54	-14.47	Average	Horizontal
4	17385	42.22	9.21	51.43	68.2	-16.77	Peak	Horizontal
5	11590	31.93	2.07	34.00	54	-20.00	Average	Vertical
6	11590	42.56	2.07	44.63	74	-29.37	Peak	Vertical
7	17385	30.45	9.21	39.66	54	-14.34	Average	Vertical
8	17385	41.60	9.21	50.81	68.2	-17.39	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	33.28	3.39	36.67	54	-17.33	Average	Horizontal
2	10420	45.29	3.39	48.68	68.2	-19.52	Peak	Horizontal
3	15630	31.49	7.48	38.97	54	-15.03	Average	Horizontal
4	15630	43.20	7.48	50.68	74	-23.32	Peak	Horizontal
5	10420	33.34	3.39	36.73	54	-17.27	Average	Vertical
6	10420	44.43	3.39	47.82	68.2	-20.38	Peak	Vertical
7	15630	31.60	7.48	39.08	54	-14.92	Average	Vertical
8	15630	43.16	7.48	50.64	74	-23.36	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ac-VHT80_Channel 58								
1	10580	32.03	3.23	35.26	54	-18.74	Average	Horizontal
2	10580	45.71	3.23	48.94	68.2	-19.26	Peak	Horizontal
3	15870	30.94	7.27	38.21	54	-15.79	Average	Horizontal
4	15870	43.81	7.27	51.08	74	-22.92	Peak	Horizontal
5	10580	32.18	3.23	35.41	54	-18.59	Average	Vertical
6	10580	43.30	3.23	46.53	68.2	-21.67	Peak	Vertical
7	15870	30.98	7.27	38.25	54	-15.75	Average	Vertical
8	15870	42.44	7.27	49.71	74	-24.29	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ac-VHT80_Channel 106								
1	11060	32.53	2.32	34.85	54	-19.15	Average	Horizontal
2	11060	43.42	2.32	45.74	74	-28.26	Peak	Horizontal
3	16590	30.03	8.11	38.14	54	-15.86	Average	Horizontal
4	16590	40.88	8.11	48.99	68.2	-19.21	Peak	Horizontal
5	11060	32.36	2.32	34.68	54	-19.32	Average	Vertical
6	11060	45.38	2.32	47.70	74	-26.30	Peak	Vertical
7	16590	29.94	8.11	38.05	54	-15.95	Average	Vertical
8	16590	41.65	8.11	49.76	68.2	-18.44	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ac-VHT80_Channel 122								
1	11220	30.69	2.22	32.91	54	-21.09	Average	Horizontal
2	11220	40.59	2.22	42.81	74	-31.19	Peak	Horizontal
3	16830	30.66	8.43	39.09	54	-14.91	Average	Horizontal
4	16830	41.47	8.43	49.90	68.2	-18.30	Peak	Horizontal
5	11220	30.69	2.22	32.91	54	-21.09	Average	Vertical
6	11220	41.82	2.22	44.04	74	-29.96	Peak	Vertical
7	16830	30.79	8.43	39.22	54	-14.78	Average	Vertical
8	16830	41.98	8.43	50.41	68.2	-17.79	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	31.92	2.06	33.98	54	-20.02	Average	Horizontal
2	11550	43.74	2.06	45.80	74	-28.20	Peak	Horizontal
3	17325	30.31	9.12	39.43	54	-14.57	Average	Horizontal
4	17325	41.47	9.12	50.59	68.2	-17.61	Peak	Horizontal
5	11550	32.21	2.06	34.27	54	-19.73	Average	Vertical
6	11550	43.08	2.06	45.14	74	-28.86	Peak	Vertical
7	17325	30.52	9.12	39.64	54	-14.36	Average	Vertical
8	17325	41.96	9.12	51.08	68.2	-17.12	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ac-VHT160_Channel 50								
1	10500	31.62	3.40	35.02	54	-18.98	Average	Horizontal
2	10500	43.94	3.40	47.34	68.2	-20.86	Peak	Horizontal
3	15750	31.39	7.38	38.77	54	-15.23	Average	Horizontal
4	15750	42.82	7.38	50.20	74	-23.80	Peak	Horizontal
5	10500	32.17	3.40	35.57	54	-18.43	Average	Vertical
6	10500	44.17	3.40	47.57	68.2	-20.63	Peak	Vertical
7	15750	31.55	7.38	38.93	54	-15.07	Average	Vertical
8	15750	44.49	7.38	51.87	74	-22.13	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ac-VHT160_Channel 114								
1	11140	31.74	2.28	34.02	54	-19.98	Average	Horizontal
2	11140	45.10	2.28	47.38	74	-26.62	Peak	Horizontal
3	16710	30.43	8.28	38.71	54	-15.29	Average	Horizontal
4	16710	43.14	8.28	51.42	68.2	-16.78	Peak	Horizontal
5	11140	31.97	2.28	34.25	54	-19.75	Average	Vertical
6	11140	43.07	2.28	45.35	74	-28.65	Peak	Vertical
7	16710	30.64	8.28	38.92	54	-15.08	Average	Vertical
8	16710	42.34	8.28	50.62	68.2	-17.58	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	33.03	3.38	36.41	54	-17.59	Average	Horizontal
2	10360	46.30	3.38	49.68	68.2	-18.52	Peak	Horizontal
3	15540	30.94	7.56	38.50	54	-15.50	Average	Horizontal
4	15540	42.80	7.56	50.36	74	-23.64	Peak	Horizontal
5	10360	33.68	3.38	37.06	54	-16.94	Average	Vertical
6	10360	46.80	3.38	50.18	68.2	-18.02	Peak	Vertical
7	15540	31.02	7.56	38.58	54	-15.42	Average	Vertical
8	15540	41.93	7.56	49.49	74	-24.51	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE20_Channel 40								
1	10440	33.69	3.38	37.07	54	-16.93	Average	Horizontal
2	10440	46.53	3.38	49.91	68.2	-18.29	Peak	Horizontal
3	15660	31.55	7.46	39.01	54	-14.99	Average	Horizontal
4	15660	42.28	7.46	49.74	74	-24.26	Peak	Horizontal
5	10440	34.73	3.38	38.11	54	-15.89	Average	Vertical
6	10440	47.40	3.38	50.78	68.2	-17.42	Peak	Vertical
7	15660	31.66	7.46	39.12	54	-14.88	Average	Vertical
8	15660	43.66	7.46	51.12	74	-22.88	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE20_Channel 48								
1	10480	32.32	3.39	35.71	54	-18.29	Average	Horizontal
2	10480	44.27	3.39	47.66	68.2	-20.54	Peak	Horizontal
3	15720	31.45	7.40	38.85	54	-15.15	Average	Horizontal
4	15720	42.60	7.40	50.00	74	-24.00	Peak	Horizontal
5	10480	33.28	3.39	36.67	54	-17.33	Average	Vertical
6	10480	47.17	3.39	50.56	68.2	-17.64	Peak	Vertical
7	15720	31.41	7.40	38.81	54	-15.19	Average	Vertical
8	15720	42.79	7.40	50.19	74	-23.81	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE20_Channel 52								
1	10520	32.19	3.35	35.54	54	-18.46	Average	Horizontal
2	10520	43.93	3.35	47.28	68.2	-20.92	Peak	Horizontal
3	15780	31.26	7.35	38.61	54	-15.39	Average	Horizontal
4	15780	43.83	7.35	51.18	74	-22.82	Peak	Horizontal
5	10520	33.16	3.35	36.51	54	-17.49	Average	Vertical
6	10520	45.57	3.35	48.92	68.2	-19.28	Peak	Vertical
7	15780	31.42	7.35	38.77	54	-15.23	Average	Vertical
8	15780	42.96	7.35	50.31	74	-23.69	Peak	Vertical

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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	31.87	3.19	35.06	54	-18.94	Average	Horizontal
2	10600	43.04	3.19	46.23	74	-27.77	Peak	Horizontal
3	15900	29.79	7.24	37.03	54	-16.97	Average	Horizontal
4	15900	41.15	7.24	48.39	74	-25.61	Peak	Horizontal
5	10600	32.34	3.19	35.53	54	-18.47	Average	Vertical
6	10600	46.66	3.19	49.85	74	-24.15	Peak	Vertical
7	15900	29.84	7.24	37.08	54	-16.92	Average	Vertical
8	15900	40.96	7.24	48.20	74	-25.80	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE20_Channel 64								
1	10640	31.96	3.10	35.06	54	-18.94	Average	Horizontal
2	10640	43.66	3.10	46.76	74	-27.24	Peak	Horizontal
3	15960	29.89	7.19	37.08	54	-16.92	Average	Horizontal
4	15960	41.63	7.19	48.82	74	-25.18	Peak	Horizontal
5	10640	32.25	3.10	35.35	54	-18.65	Average	Vertical
6	10640	44.56	3.10	47.66	74	-26.34	Peak	Vertical
7	15960	30.03	7.19	37.22	54	-16.78	Average	Vertical
8	15960	42.81	7.19	50.00	74	-24.00	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE20_Channel 100								
1	11000	32.96	2.36	35.32	54	-18.68	Average	Horizontal
2	11000	43.94	2.36	46.30	74	-27.70	Peak	Horizontal
3	16500	31.05	8.00	39.05	54	-14.95	Average	Horizontal
4	16500	43.03	8.00	51.03	68.2	-17.17	Peak	Horizontal
5	11000	34.29	2.36	36.65	54	-17.35	Average	Vertical
6	11000	47.49	2.36	49.85	74	-24.15	Peak	Vertical
7	16500	31.09	8.00	39.09	54	-14.91	Average	Vertical
8	16500	42.96	8.00	50.96	68.2	-17.24	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE20_Channel 116								
1	11160	32.03	2.25	34.28	54	-19.72	Average	Horizontal
2	11160	42.66	2.25	44.91	74	-29.09	Peak	Horizontal
3	16740	30.48	8.31	38.79	54	-15.21	Average	Horizontal
4	16740	41.97	8.31	50.28	68.2	-17.92	Peak	Horizontal
5	11160	32.35	2.25	34.60	54	-19.40	Average	Vertical
6	11160	44.54	2.25	46.79	74	-27.21	Peak	Vertical
7	16740	30.65	8.31	38.96	54	-15.04	Average	Vertical
8	16740	43.85	8.31	52.16	68.2	-16.04	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	31.75	2.11	33.86	54	-20.14	Average	Horizontal
2	11400	43.76	2.11	45.87	74	-28.13	Peak	Horizontal
3	17100	30.94	8.79	39.73	54	-14.27	Average	Horizontal
4	17100	41.87	8.79	50.66	68.2	-17.54	Peak	Horizontal
5	11400	31.83	2.11	33.94	54	-20.06	Average	Vertical
6	11400	42.31	2.11	44.42	74	-29.58	Peak	Vertical
7	17100	30.90	8.79	39.69	54	-14.31	Average	Vertical
8	17100	42.97	8.79	51.76	68.2	-16.44	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE20_Channel 149								
1	11490	32.03	2.06	34.09	54	-19.91	Average	Horizontal
2	11490	44.90	2.06	46.96	74	-27.04	Peak	Horizontal
3	17235	30.61	8.99	39.60	54	-14.40	Average	Horizontal
4	17235	42.26	8.99	51.25	68.2	-16.95	Peak	Horizontal
5	11490	31.81	2.06	33.87	54	-20.13	Average	Vertical
6	11490	44.49	2.06	46.55	74	-27.45	Peak	Vertical
7	17235	30.65	8.99	39.64	54	-14.36	Average	Vertical
8	17235	41.90	8.99	50.89	68.2	-17.31	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE20_Channel 157								
1	11570	32.82	2.05	34.87	54	-19.13	Average	Horizontal
2	11570	48.50	2.05	50.55	74	-23.45	Peak	Horizontal
3	17355	30.50	9.16	39.66	54	-14.34	Average	Horizontal
4	17355	41.91	9.16	51.07	68.2	-17.13	Peak	Horizontal
5	11570	31.72	2.05	33.77	54	-20.23	Average	Vertical
6	11570	43.07	2.05	45.12	74	-28.88	Peak	Vertical
7	17355	30.50	9.16	39.66	54	-14.34	Average	Vertical
8	17355	41.54	9.16	50.70	68.2	-17.50	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	31.85	2.08	33.93	54	-20.07	Average	Horizontal
2	11650	43.75	2.08	45.83	74	-28.17	Peak	Horizontal
3	17475	29.41	9.33	38.74	54	-15.26	Average	Horizontal
4	17475	40.79	9.33	50.12	68.2	-18.08	Peak	Horizontal
5	11650	31.93	2.08	34.01	54	-19.99	Average	Vertical
6	11650	44.66	2.08	46.74	74	-27.26	Peak	Vertical
7	17475	29.41	9.33	38.74	54	-15.26	Average	Vertical
8	17475	40.03	9.33	49.36	68.2	-18.84	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE40_Channel 38								
1	10380	32.96	3.38	36.34	54	-17.66	Average	Horizontal
2	10380	45.45	3.38	48.83	68.2	-19.37	Peak	Horizontal
3	15570	31.20	7.54	38.74	54	-15.26	Average	Horizontal
4	15570	42.15	7.54	49.69	74	-24.31	Peak	Horizontal
5	10380	33.74	3.38	37.12	54	-16.88	Average	Vertical
6	10380	45.76	3.38	49.14	68.2	-19.06	Peak	Vertical
7	15570	31.28	7.54	38.82	54	-15.18	Average	Vertical
8	15570	43.38	7.54	50.92	74	-23.08	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE40_Channel 46								
1	10460	33.79	3.40	37.19	54	-16.81	Average	Horizontal
2	10460	44.41	3.40	47.81	68.2	-20.39	Peak	Horizontal
3	15690	31.63	7.42	39.05	54	-14.95	Average	Horizontal
4	15690	42.92	7.42	50.34	74	-23.66	Peak	Horizontal
5	10460	34.33	3.40	37.73	54	-16.27	Average	Vertical
6	10460	45.58	3.40	48.98	68.2	-19.22	Peak	Vertical
7	15690	31.70	7.42	39.12	54	-14.88	Average	Vertical
8	15690	43.82	7.42	51.24	74	-22.76	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE40_Channel 54								
1	10540	32.46	3.30	35.76	54	-18.24	Average	Horizontal
2	10540	42.74	3.30	46.04	68.2	-22.16	Peak	Horizontal
3	15810	30.59	7.33	37.92	54	-16.08	Average	Horizontal
4	15810	41.71	7.33	49.04	74	-24.96	Peak	Horizontal
5	10540	32.99	3.30	36.29	54	-17.71	Average	Vertical
6	10540	44.41	3.30	47.71	68.2	-20.49	Peak	Vertical
7	15810	30.63	7.33	37.96	54	-16.04	Average	Vertical
8	15810	42.88	7.33	50.21	74	-23.79	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	31.92	3.14	35.06	54	-18.94	Average	Horizontal
2	10620	43.86	3.14	47.00	74	-27.00	Peak	Horizontal
3	15930	30.05	7.21	37.26	54	-16.74	Average	Horizontal
4	15930	42.08	7.21	49.29	74	-24.71	Peak	Horizontal
5	10620	32.39	3.14	35.53	54	-18.47	Average	Vertical
6	10620	43.04	3.14	46.18	74	-27.82	Peak	Vertical
7	15930	30.10	7.21	37.31	54	-16.69	Average	Vertical
8	15930	41.27	7.21	48.48	74	-25.52	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE40_Channel 102								
1	11020	32.68	2.35	35.03	54	-18.97	Average	Horizontal
2	11020	44.76	2.35	47.11	74	-26.89	Peak	Horizontal
3	16530	31.17	8.04	39.21	54	-14.79	Average	Horizontal
4	16530	42.35	8.04	50.39	68.2	-17.81	Peak	Horizontal
5	11020	34.04	2.35	36.39	54	-17.61	Average	Vertical
6	11020	46.76	2.35	49.11	74	-24.89	Peak	Vertical
7	16530	31.09	8.04	39.13	54	-14.87	Average	Vertical
8	16530	42.05	8.04	50.09	68.2	-18.11	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE40_Channel 110								
1	11100	32.27	2.30	34.57	54	-19.43	Average	Horizontal
2	11100	43.58	2.30	45.88	74	-28.12	Peak	Horizontal
3	16650	30.59	8.20	38.79	54	-15.21	Average	Horizontal
4	16650	41.95	8.20	50.15	68.2	-18.05	Peak	Horizontal
5	11100	33.11	2.30	35.41	54	-18.59	Average	Vertical
6	11100	45.12	2.30	47.42	74	-26.58	Peak	Vertical
7	16650	30.38	8.20	38.58	54	-15.42	Average	Vertical
8	16650	42.24	8.20	50.44	68.2	-17.76	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE40_Channel 134								
1	11100	32.27	2.30	34.57	54	-19.43	Average	Horizontal
2	11340	45.71	2.16	47.87	74	-26.13	Peak	Horizontal
3	16650	30.59	8.20	38.79	54	-15.21	Average	Horizontal
4	17010	41.72	8.67	50.39	68.2	-17.81	Peak	Horizontal
5	11340	32.90	2.16	35.06	54	-18.94	Average	Vertical
6	11340	44.12	2.16	46.28	74	-27.72	Peak	Vertical
7	17010	31.36	8.67	40.03	54	-13.97	Average	Vertical
8	17010	43.98	8.67	52.65	68.2	-15.55	Peak	Vertical

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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	32.54	2.05	34.59	54	-19.41	Average	Horizontal
2	11510	44.33	2.05	46.38	74	-27.62	Peak	Horizontal
3	17265	30.61	9.03	39.64	54	-14.36	Average	Horizontal
4	17265	41.35	9.03	50.38	68.2	-17.82	Peak	Horizontal
5	11510	32.74	2.05	34.79	54	-19.21	Average	Vertical
6	11510	45.65	2.05	47.70	74	-26.30	Peak	Vertical
7	17265	30.66	9.03	39.69	54	-14.31	Average	Vertical
8	17265	41.85	9.03	50.88	68.2	-17.32	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE40_Channel 159								
1	11590	32.32	2.07	34.39	54	-19.61	Average	Horizontal
2	11590	44.65	2.07	46.72	74	-27.28	Peak	Horizontal
3	17385	30.32	9.21	39.53	54	-14.47	Average	Horizontal
4	17385	43.86	9.21	53.07	68.2	-15.13	Peak	Horizontal
5	11590	32.83	2.07	34.90	54	-19.10	Average	Vertical
6	11590	45.27	2.07	47.34	74	-26.66	Peak	Vertical
7	17385	30.45	9.21	39.66	54	-14.34	Average	Vertical
8	17385	42.94	9.21	52.15	68.2	-16.05	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE80_Channel 42								
1	10420	33.53	3.39	36.92	54	-17.08	Average	Horizontal
2	10420	44.84	3.39	48.23	68.2	-19.97	Peak	Horizontal
3	15630	31.41	7.48	38.89	54	-15.11	Average	Horizontal
4	15630	44.11	7.48	51.59	74	-22.41	Peak	Horizontal
5	10420	34.09	3.39	37.48	54	-16.52	Average	Vertical
6	10420	45.56	3.39	48.95	68.2	-19.25	Peak	Vertical
7	15630	31.53	7.48	39.01	54	-14.99	Average	Vertical
8	15630	43.94	7.48	51.42	74	-22.58	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	32.36	3.23	35.59	54	-18.41	Average	Horizontal
2	10580	43.65	3.23	46.88	68.2	-21.32	Peak	Horizontal
3	15870	30.52	7.27	37.79	54	-16.21	Average	Horizontal
4	15870	41.94	7.27	49.21	74	-24.79	Peak	Horizontal
5	10420	34.09	3.39	37.48	54	-16.52	Average	Vertical
6	10580	45.07	3.23	48.30	68.2	-19.90	Peak	Vertical
7	15630	31.53	7.48	39.01	54	-14.99	Average	Vertical
8	15870	43.25	7.27	50.52	74	-23.48	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE80_Channel 106								
1	11060	32.87	2.32	35.19	54	-18.81	Average	Horizontal
2	11060	44.26	2.32	46.58	74	-27.42	Peak	Horizontal
3	16590	29.98	8.11	38.09	54	-15.91	Average	Horizontal
4	16590	41.25	8.11	49.36	68.2	-18.84	Peak	Horizontal
5	11060	33.74	2.32	36.06	54	-17.94	Average	Vertical
6	11060	46.63	2.32	48.95	74	-25.05	Peak	Vertical
7	16590	29.80	8.11	37.91	54	-16.09	Average	Vertical
8	16590	41.42	8.11	49.53	68.2	-18.67	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE80_Channel 122								
1	11220	30.94	2.22	33.16	54	-20.84	Average	Horizontal
2	11220	42.51	2.22	44.73	74	-29.27	Peak	Horizontal
3	16830	30.58	8.43	39.01	54	-14.99	Average	Horizontal
4	16830	42.76	8.43	51.19	68.2	-17.01	Peak	Horizontal
5	11220	31.22	2.22	33.44	54	-20.56	Average	Vertical
6	11220	44.18	2.22	46.40	74	-27.60	Peak	Vertical
7	16830	31.11	8.43	39.54	54	-14.46	Average	Vertical
8	16830	42.75	8.43	51.18	68.2	-17.02	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE80_Channel 155								
1	11550	32.35	2.06	34.41	54	-19.59	Average	Horizontal
2	11550	43.28	2.06	45.34	74	-28.66	Peak	Horizontal
3	17325	30.48	9.12	39.60	54	-14.40	Average	Horizontal
4	17325	41.74	9.12	50.86	68.2	-17.34	Peak	Horizontal
5	11550	32.49	2.06	34.55	54	-19.45	Average	Vertical
6	11550	43.92	2.06	45.98	74	-28.02	Peak	Vertical
7	17325	31.06	9.12	40.18	54	-13.82	Average	Vertical
8	17325	43.43	9.12	52.55	68.2	-15.65	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	43.60	3.40	47.00	54	-7.00	Average	Horizontal
2	11550	32.35	2.06	34.41	74	-39.59	Peak	Horizontal
3	15750	42.47	7.38	49.85	54	-4.15	Average	Horizontal
4	17325	30.48	9.12	39.60	68.2	-28.60	Peak	Horizontal
5	10500	32.10	3.40	35.50	54	-18.50	Average	Vertical
6	10500	43.55	3.40	46.95	68.2	-21.25	Peak	Vertical
7	15750	31.27	7.38	38.65	54	-15.35	Average	Vertical
8	15750	42.04	7.38	49.42	74	-24.58	Peak	Vertical
MIMO_Ant. 1+2_ IEEE 802.11ax-HE160_Channel 114								
1	11140	31.74	2.28	34.02	54	-19.98	Average	Horizontal
2	11140	45.60	2.28	47.88	74	-26.12	Peak	Horizontal
3	16710	30.34	8.28	38.62	54	-15.38	Average	Horizontal
4	16710	43.91	8.28	52.19	68.2	-16.01	Peak	Horizontal
5	11140	32.15	2.28	34.43	54	-19.57	Average	Vertical
6	11140	43.88	2.28	46.16	74	-27.84	Peak	Vertical
7	16710	30.60	8.28	38.88	54	-15.12	Average	Vertical
8	16710	42.18	8.28	50.46	68.2	-17.74	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT20_Channel 36								
1	10360	33.06	3.38	36.44	54	-17.56	Average	Horizontal
2	10360	44.39	3.38	47.77	68.2	-20.43	Peak	Horizontal
3	15540	31.14	7.56	38.70	54	-15.30	Average	Horizontal
4	15540	43.23	7.56	50.79	74	-23.21	Peak	Horizontal
5	10360	33.41	3.38	36.79	54	-17.21	Average	Vertical
6	10360	46.82	3.38	50.20	68.2	-18.00	Peak	Vertical
7	15540	31.18	7.56	38.74	54	-15.26	Average	Vertical
8	15540	42.80	7.56	50.36	74	-23.64	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT20_Channel 40								
1	10440	33.98	3.38	37.36	54	-16.64	Average	Horizontal
2	10440	45.74	3.38	49.12	68.2	-19.08	Peak	Horizontal
3	15660	31.74	7.46	39.20	54	-14.80	Average	Horizontal
4	15660	43.41	7.46	50.87	74	-23.13	Peak	Horizontal
5	10440	34.01	3.38	37.39	54	-16.61	Average	Vertical
6	10440	45.32	3.38	48.70	68.2	-19.50	Peak	Vertical
7	15660	31.66	7.46	39.12	54	-14.88	Average	Vertical
8	15660	42.76	7.46	50.22	74	-23.78	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	32.50	3.39	35.89	54	-18.11	Average	Horizontal
2	10480	45.59	3.39	48.98	68.2	-19.22	Peak	Horizontal
3	15720	31.17	7.40	38.57	54	-15.43	Average	Horizontal
4	15720	43.22	7.40	50.62	74	-23.38	Peak	Horizontal
5	10480	32.67	3.39	36.06	54	-17.94	Average	Vertical
6	10480	46.79	3.39	50.18	68.2	-18.02	Peak	Vertical
7	15720	31.25	7.40	38.65	54	-15.35	Average	Vertical
8	15720	42.61	7.40	50.01	74	-23.99	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT20_Channel 52								
1	10520	32.11	3.35	35.46	54	-18.54	Average	Horizontal
2	10520	45.57	3.35	48.92	68.2	-19.28	Peak	Horizontal
3	15780	31.22	7.35	38.57	54	-15.43	Average	Horizontal
4	15780	43.30	7.35	50.65	74	-23.35	Peak	Horizontal
5	10520	32.57	3.35	35.92	54	-18.08	Average	Vertical
6	10520	45.09	3.35	48.44	68.2	-19.76	Peak	Vertical
7	15780	31.54	7.35	38.89	54	-15.11	Average	Vertical
8	15780	43.40	7.35	50.75	74	-23.25	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT20_Channel 56								
1	10600	31.73	3.19	34.92	54	-19.08	Average	Horizontal
2	10600	43.12	3.19	46.31	74	-27.69	Peak	Horizontal
3	15900	29.98	7.24	37.22	54	-16.78	Average	Horizontal
4	15900	41.85	7.24	49.09	74	-24.91	Peak	Horizontal
5	10600	32.37	3.19	35.56	54	-18.44	Average	Vertical
6	10600	45.50	3.19	48.69	74	-25.31	Peak	Vertical
7	15900	30.02	7.24	37.26	54	-16.74	Average	Vertical
8	15900	42.04	7.24	49.28	74	-24.72	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT20_Channel 64								
1	10640	32.00	3.10	35.10	54	-18.90	Average	Horizontal
2	10640	44.36	3.10	47.46	74	-26.54	Peak	Horizontal
3	15960	30.12	7.19	37.31	54	-16.69	Average	Horizontal
4	15960	41.63	7.19	48.82	74	-25.18	Peak	Horizontal
5	10640	32.25	3.10	35.35	54	-18.65	Average	Vertical
6	10640	45.11	3.10	48.21	74	-25.79	Peak	Vertical
7	15960	30.07	7.19	37.26	54	-16.74	Average	Vertical
8	15960	42.27	7.19	49.46	74	-24.54	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	32.83	2.36	35.19	54	-18.81	Average	Horizontal
2	11000	44.47	2.36	46.83	74	-27.17	Peak	Horizontal
3	16500	31.21	8.00	39.21	54	-14.79	Average	Horizontal
4	16500	43.67	8.00	51.67	68.2	-16.53	Peak	Horizontal
5	11000	34.99	2.36	37.35	54	-16.65	Average	Vertical
6	11000	47.70	2.36	50.06	74	-23.94	Peak	Vertical
7	16500	31.21	8.00	39.21	54	-14.79	Average	Vertical
8	16500	42.55	8.00	50.55	68.2	-17.65	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ac-VHT20_Channel 116								
1	11160	31.85	2.25	34.10	54	-19.90	Average	Horizontal
2	11160	42.54	2.25	44.79	74	-29.21	Peak	Horizontal
3	16740	30.44	8.31	38.75	54	-15.25	Average	Horizontal
4	16740	41.61	8.31	49.92	68.2	-18.28	Peak	Horizontal
5	11160	32.35	2.25	34.60	54	-19.40	Average	Vertical
6	11160	44.61	2.25	46.86	74	-27.14	Peak	Vertical
7	16740	30.78	8.31	39.09	54	-14.91	Average	Vertical
8	16740	43.89	8.31	52.20	68.2	-16.00	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT20_Channel 140								
1	11400	32.01	2.11	34.12	54	-19.88	Average	Horizontal
2	11400	43.09	2.11	45.20	74	-28.80	Peak	Horizontal
3	17100	30.94	8.79	39.73	54	-14.27	Average	Horizontal
4	17100	42.60	8.79	51.39	68.2	-16.81	Peak	Horizontal
5	11400	32.78	2.11	34.89	54	-19.11	Average	Vertical
6	11400	45.81	2.11	47.92	74	-26.08	Peak	Vertical
7	17100	30.94	8.79	39.73	54	-14.27	Average	Vertical
8	17100	42.98	8.79	51.77	68.2	-16.43	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	32.03	2.06	34.09	54	-19.91	Average	Horizontal
2	11490	43.51	2.06	45.57	74	-28.43	Peak	Horizontal
3	17235	30.53	8.99	39.52	54	-14.48	Average	Horizontal
4	17235	43.32	8.99	52.31	68.2	-15.89	Peak	Horizontal
5	11490	31.89	2.06	33.95	54	-20.05	Average	Vertical
6	11490	44.82	2.06	46.88	74	-27.12	Peak	Vertical
7	17235	30.65	8.99	39.64	54	-14.36	Average	Vertical
8	17235	42.72	8.99	51.71	68.2	-16.49	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT20_Channel 157								
1	11570	32.06	2.05	34.11	54	-19.89	Average	Horizontal
2	11570	44.43	2.05	46.48	74	-27.52	Peak	Horizontal
3	17355	30.67	9.16	39.83	54	-14.17	Average	Horizontal
4	17355	42.54	9.16	51.70	68.2	-16.50	Peak	Horizontal
5	11570	31.61	2.05	33.66	54	-20.34	Average	Vertical
6	11570	41.98	2.05	44.03	74	-29.97	Peak	Vertical
7	17355	30.63	9.16	39.79	54	-14.21	Average	Vertical
8	17355	41.76	9.16	50.92	68.2	-17.28	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT20_Channel 165								
1	11650	32.00	2.08	34.08	54	-19.92	Average	Horizontal
2	11650	44.26	2.08	46.34	74	-27.66	Peak	Horizontal
3	17475	29.36	9.33	38.69	54	-15.31	Average	Horizontal
4	17475	41.31	9.33	50.64	68.2	-17.56	Peak	Horizontal
5	11650	31.89	2.08	33.97	54	-20.03	Average	Vertical
6	11650	44.11	2.08	46.19	74	-27.81	Peak	Vertical
7	17475	29.32	9.33	38.65	54	-15.35	Average	Vertical
8	17475	41.73	9.33	51.06	68.2	-17.14	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT40_Channel 38								
1	10380	33.22	3.38	36.60	54	-17.40	Average	Horizontal
2	10380	45.95	3.38	49.33	68.2	-18.87	Peak	Horizontal
3	15570	31.16	7.54	38.70	54	-15.30	Average	Horizontal
4	15570	43.01	7.54	50.55	74	-23.45	Peak	Horizontal
5	10380	33.28	3.38	36.66	54	-17.34	Average	Vertical
6	10380	44.95	3.38	48.33	68.2	-19.87	Peak	Vertical
7	15570	31.08	7.54	38.62	54	-15.38	Average	Vertical
8	15570	43.66	7.54	51.20	74	-22.80	Peak	Vertical

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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	33.67	3.40	37.07	54	-16.93	Average	Horizontal
2	10460	44.68	3.40	48.08	68.2	-20.12	Peak	Horizontal
3	15690	31.59	7.42	39.01	54	-14.99	Average	Horizontal
4	15690	43.07	7.42	50.49	74	-23.51	Peak	Horizontal
5	10460	33.79	3.40	37.19	54	-16.81	Average	Vertical
6	10460	45.97	3.40	49.37	68.2	-18.83	Peak	Vertical
7	15690	31.78	7.42	39.20	54	-14.80	Average	Vertical
8	15690	42.93	7.42	50.35	74	-23.65	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT40_Channel 54								
1	10540	32.53	3.30	35.83	54	-18.17	Average	Horizontal
2	10540	43.14	3.30	46.44	68.2	-21.76	Peak	Horizontal
3	15810	30.63	7.33	37.96	54	-16.04	Average	Horizontal
4	15810	41.75	7.33	49.08	74	-24.92	Peak	Horizontal
5	10540	32.89	3.30	36.19	54	-17.81	Average	Vertical
6	10540	45.62	3.30	48.92	68.2	-19.28	Peak	Vertical
7	15810	30.71	7.33	38.04	54	-15.96	Average	Vertical
8	15810	42.66	7.33	49.99	74	-24.01	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT40_Channel 62								
1	10620	31.96	3.14	35.10	54	-18.90	Average	Horizontal
2	10620	43.92	3.14	47.06	74	-26.94	Peak	Horizontal
3	15930	29.96	7.21	37.17	54	-16.83	Average	Horizontal
4	15930	42.23	7.21	49.44	74	-24.56	Peak	Horizontal
5	10620	32.32	3.14	35.46	54	-18.54	Average	Vertical
6	10620	43.49	3.14	46.63	74	-27.37	Peak	Vertical
7	15930	29.91	7.21	37.12	54	-16.88	Average	Vertical
8	15930	42.69	7.21	49.90	74	-24.10	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT40_Channel 102								
1	11020	32.37	2.35	34.72	54	-19.28	Average	Horizontal
2	11020	43.37	2.35	45.72	74	-28.28	Peak	Horizontal
3	16530	31.05	8.04	39.09	54	-14.91	Average	Horizontal
4	16530	42.29	8.04	50.33	68.2	-17.87	Peak	Horizontal
5	11020	34.04	2.35	36.39	54	-17.61	Average	Vertical
6	11020	47.69	2.35	50.04	74	-23.96	Peak	Vertical
7	16530	31.05	8.04	39.09	54	-14.91	Average	Vertical
8	16530	42.86	8.04	50.90	68.2	-17.30	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	31.72	2.30	34.02	54	-19.98	Average	Horizontal
2	11100	42.72	2.30	45.02	74	-28.98	Peak	Horizontal
3	16650	30.51	8.20	38.71	54	-15.29	Average	Horizontal
4	16650	41.55	8.20	49.75	68.2	-18.45	Peak	Horizontal
5	11100	32.88	2.30	35.18	54	-18.82	Average	Vertical
6	11100	45.01	2.30	47.31	74	-26.69	Peak	Vertical
7	16650	30.46	8.20	38.66	54	-15.34	Average	Vertical
8	16650	42.10	8.20	50.30	68.2	-17.90	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT40_Channel 134								
1	11340	31.36	2.16	33.52	54	-20.48	Average	Horizontal
2	11340	43.65	2.16	45.81	74	-28.19	Peak	Horizontal
3	17010	30.76	8.67	39.43	54	-14.57	Average	Horizontal
4	17010	42.15	8.67	50.82	68.2	-17.38	Peak	Horizontal
5	11340	31.36	2.16	33.52	54	-20.48	Average	Vertical
6	11340	43.92	2.16	46.08	74	-27.92	Peak	Vertical
7	17010	30.76	8.67	39.43	54	-14.57	Average	Vertical
8	17010	42.85	8.67	51.52	68.2	-16.68	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT40_Channel 151								
1	11510	31.93	2.05	33.98	54	-20.02	Average	Horizontal
2	11510	43.54	2.05	45.59	74	-28.41	Peak	Horizontal
3	17265	30.49	9.03	39.52	54	-14.48	Average	Horizontal
4	17265	43.60	9.03	52.63	68.2	-15.57	Peak	Horizontal
5	11340	31.36	2.16	33.52	54	-20.48	Average	Vertical
6	11510	44.12	2.05	46.17	74	-27.83	Peak	Vertical
7	17010	30.76	8.67	39.43	54	-14.57	Average	Vertical
8	17265	42.73	9.03	51.76	68.2	-16.44	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11n-HT40_Channel 159								
1	11590	31.47	2.07	33.54	54	-20.46	Average	Horizontal
2	11590	45.34	2.07	47.41	74	-26.59	Peak	Horizontal
3	17385	30.45	9.21	39.66	54	-14.34	Average	Horizontal
4	17385	43.17	9.21	52.38	68.2	-15.82	Peak	Horizontal
5	11590	31.47	2.07	33.54	54	-20.46	Average	Vertical
6	11590	49.79	2.07	51.86	74	-22.14	Peak	Vertical
7	17385	30.45	9.21	39.66	54	-14.34	Average	Vertical
8	17385	44.52	9.21	53.73	68.2	-14.47	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	33.77	3.39	37.16	54	-16.84	Average	Horizontal
2	10420	45.46	3.39	48.85	68.2	-19.35	Peak	Horizontal
3	15630	31.53	7.48	39.01	54	-14.99	Average	Horizontal
4	15630	42.75	7.48	50.23	74	-23.77	Peak	Horizontal
5	10420	34.29	3.39	37.68	54	-16.32	Average	Vertical
6	10420	47.05	3.39	50.44	68.2	-17.76	Peak	Vertical
7	15630	31.64	7.48	39.12	54	-14.88	Average	Vertical
8	15630	42.93	7.48	50.41	74	-23.59	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ac-VHT80_Channel 58								
1	10580	32.32	3.23	35.55	54	-18.45	Average	Horizontal
2	10580	44.02	3.23	47.25	68.2	-20.95	Peak	Horizontal
3	15870	30.69	7.27	37.96	54	-16.04	Average	Horizontal
4	15870	42.74	7.27	50.01	74	-23.99	Peak	Horizontal
5	10580	32.83	3.23	36.06	54	-17.94	Average	Vertical
6	10580	44.76	3.23	47.99	68.2	-20.21	Peak	Vertical
7	15870	30.81	7.27	38.08	54	-15.92	Average	Vertical
8	15870	42.33	7.27	49.60	74	-24.40	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ac-VHT80_Channel 106								
1	11060	32.63	2.32	34.95	54	-19.05	Average	Horizontal
2	11060	44.42	2.32	46.74	74	-27.26	Peak	Horizontal
3	16590	29.89	8.11	38.00	54	-16.00	Average	Horizontal
4	16590	40.70	8.11	48.81	68.2	-19.39	Peak	Horizontal
5	11060	33.95	2.32	36.27	54	-17.73	Average	Vertical
6	11060	45.46	2.32	47.78	74	-26.22	Peak	Vertical
7	16590	29.98	8.11	38.09	54	-15.91	Average	Vertical
8	16590	41.86	8.11	49.97	68.2	-18.23	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ac-VHT80_Channel 122								
1	11220	30.94	2.22	33.16	54	-20.84	Average	Horizontal
2	11220	42.52	2.22	44.74	74	-29.26	Peak	Horizontal
3	16830	30.70	8.43	39.13	54	-14.87	Average	Horizontal
4	16830	42.09	8.43	50.52	68.2	-17.68	Peak	Horizontal
5	11220	31.46	2.22	33.68	54	-20.32	Average	Vertical
6	11220	43.24	2.22	45.46	74	-28.54	Peak	Vertical
7	16830	31.15	8.43	39.58	54	-14.42	Average	Vertical
8	16830	44.65	8.43	53.08	68.2	-15.12	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	31.85	2.06	33.91	54	-20.09	Average	Horizontal
2	11550	42.50	2.06	44.56	74	-29.44	Peak	Horizontal
3	17325	30.52	9.12	39.64	54	-14.36	Average	Horizontal
4	17325	42.26	9.12	51.38	68.2	-16.82	Peak	Horizontal
5	11550	32.49	2.06	34.55	54	-19.45	Average	Vertical
6	11550	43.29	2.06	45.35	74	-28.65	Peak	Vertical
7	17325	30.78	9.12	39.90	54	-14.10	Average	Vertical
8	17325	42.70	9.12	51.82	68.2	-16.38	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ac-VHT160_Channel 50								
1	10500	32.62	3.40	36.02	54	-17.98	Average	Horizontal
2	10500	46.26	3.40	49.66	68.2	-18.54	Peak	Horizontal
3	15750	31.66	7.38	39.04	54	-14.96	Average	Horizontal
4	15750	44.09	7.38	51.47	74	-22.53	Peak	Horizontal
5	10500	33.91	3.40	37.31	54	-16.69	Average	Vertical
6	10500	46.28	3.40	49.68	68.2	-18.52	Peak	Vertical
7	15750	32.62	7.38	40.00	54	-14.00	Average	Vertical
8	15750	45.46	7.38	52.84	74	-21.16	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ac-VHT160_Channel 114								
1	11140	32.60	2.28	34.88	54	-19.12	Average	Horizontal
2	11140	45.59	2.28	47.87	74	-26.13	Peak	Horizontal
3	16710	31.26	8.28	39.54	54	-14.46	Average	Horizontal
4	16710	43.45	8.28	51.73	68.2	-16.47	Peak	Horizontal
5	11140	33.68	2.28	35.96	54	-18.04	Average	Vertical
6	11140	44.06	2.28	46.34	74	-27.66	Peak	Vertical
7	16710	33.44	8.28	41.72	54	-12.28	Average	Vertical
8	16710	45.73	8.28	54.01	68.2	-14.19	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	36.08	3.38	39.46	54	-14.54	Average	Horizontal
2	10360	50.46	3.38	53.84	68.2	-14.36	Peak	Horizontal
3	15540	31.57	7.56	39.13	54	-14.87	Average	Horizontal
4	15540	44.94	7.56	52.50	74	-21.50	Peak	Horizontal
5	10360	36.14	3.38	39.52	54	-14.48	Average	Vertical
6	10360	51.17	3.38	54.55	68.2	-13.65	Peak	Vertical
7	15540	32.19	7.56	39.75	54	-14.25	Average	Vertical
8	15540	45.62	7.56	53.18	74	-20.82	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE20_Channel 40								
1	10440	34.38	3.38	37.76	54	-16.24	Average	Horizontal
2	10440	46.25	3.38	49.63	68.2	-18.57	Peak	Horizontal
3	15660	31.92	7.46	39.38	54	-14.62	Average	Horizontal
4	15660	45.09	7.46	52.55	74	-21.45	Peak	Horizontal
5	10440	36.44	3.38	39.82	54	-14.18	Average	Vertical
6	10440	49.79	3.38	53.17	68.2	-15.03	Peak	Vertical
7	15660	32.73	7.46	40.19	54	-13.81	Average	Vertical
8	15660	46.21	7.46	53.67	74	-20.33	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE20_Channel 48								
1	10480	32.83	3.39	36.22	54	-17.78	Average	Horizontal
2	10480	45.21	3.39	48.60	68.2	-19.60	Peak	Horizontal
3	15720	31.56	7.40	38.96	54	-15.04	Average	Horizontal
4	15720	44.19	7.40	51.59	74	-22.41	Peak	Horizontal
5	10480	34.48	3.39	37.87	54	-16.13	Average	Vertical
6	10480	48.54	3.39	51.93	68.2	-16.27	Peak	Vertical
7	15720	32.54	7.40	39.94	54	-14.06	Average	Vertical
8	15720	44.72	7.40	52.12	74	-21.88	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE20_Channel 52								
1	10520	32.36	3.35	35.71	54	-18.29	Average	Horizontal
2	10520	45.01	3.35	48.36	68.2	-19.84	Peak	Horizontal
3	15780	31.54	7.35	38.89	54	-15.11	Average	Horizontal
4	15780	43.70	7.35	51.05	74	-22.95	Peak	Horizontal
5	10520	33.48	3.35	36.83	54	-17.17	Average	Vertical
6	10520	45.32	3.35	48.67	68.2	-19.53	Peak	Vertical
7	15780	32.41	7.35	39.76	54	-14.24	Average	Vertical
8	15780	44.24	7.35	51.59	74	-22.41	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	31.84	3.19	35.03	54	-18.97	Average	Horizontal
2	10600	43.64	3.19	46.83	74	-27.17	Peak	Horizontal
3	15900	30.29	7.24	37.53	54	-16.47	Average	Horizontal
4	15900	42.58	7.24	49.82	74	-24.18	Peak	Horizontal
5	10600	32.97	3.19	36.16	54	-17.84	Average	Vertical
6	10600	45.63	3.19	48.82	74	-25.18	Peak	Vertical
7	15900	31.09	7.24	38.33	54	-15.67	Average	Vertical
8	15900	42.91	7.24	50.15	74	-23.85	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE20_Channel 64								
1	10640	31.78	3.10	34.88	54	-19.12	Average	Horizontal
2	10640	43.73	3.10	46.83	74	-27.17	Peak	Horizontal
3	15960	30.38	7.19	37.57	54	-16.43	Average	Horizontal
4	15960	42.90	7.19	50.09	74	-23.91	Peak	Horizontal
5	10640	32.77	3.10	35.87	54	-18.13	Average	Vertical
6	10640	43.96	3.10	47.06	74	-26.94	Peak	Vertical
7	15960	31.14	7.19	38.33	54	-15.67	Average	Vertical
8	15960	42.98	7.19	50.17	74	-23.83	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE20_Channel 100								
1	11000	33.31	2.36	35.67	54	-18.33	Average	Horizontal
2	11000	44.46	2.36	46.82	74	-27.18	Peak	Horizontal
3	16500	31.13	8.00	39.13	54	-14.87	Average	Horizontal
4	16500	43.84	8.00	51.84	68.2	-16.36	Peak	Horizontal
5	11000	34.15	2.36	36.51	54	-17.49	Average	Vertical
6	11000	45.45	2.36	47.81	74	-26.19	Peak	Vertical
7	16500	32.33	8.00	40.33	54	-13.67	Average	Vertical
8	16500	43.79	8.00	51.79	68.2	-16.41	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE20_Channel 116								
1	11160	32.03	2.25	34.28	54	-19.72	Average	Horizontal
2	11160	43.60	2.25	45.85	74	-28.15	Peak	Horizontal
3	16740	30.65	8.31	38.96	54	-15.04	Average	Horizontal
4	16740	42.10	8.31	50.41	68.2	-17.79	Peak	Horizontal
5	11160	33.38	2.25	35.63	54	-18.37	Average	Vertical
6	11160	44.41	2.25	46.66	74	-27.34	Peak	Vertical
7	16740	31.46	8.31	39.77	54	-14.23	Average	Vertical
8	16740	43.00	8.31	51.31	68.2	-16.89	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	32.15	2.11	34.26	54	-19.74	Average	Horizontal
2	11400	43.77	2.11	45.88	74	-28.12	Peak	Horizontal
3	17100	31.07	8.79	39.86	54	-14.14	Average	Horizontal
4	17100	43.46	8.79	52.25	68.2	-15.95	Peak	Horizontal
5	11400	34.16	2.11	36.27	54	-17.73	Average	Vertical
6	11400	46.23	2.11	48.34	74	-25.66	Peak	Vertical
7	17100	31.91	8.79	40.70	54	-13.30	Average	Vertical
8	17100	43.34	8.79	52.13	68.2	-16.07	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE20_Channel 149								
1	11490	31.85	2.06	33.91	54	-20.09	Average	Horizontal
2	11490	43.59	2.06	45.65	74	-28.35	Peak	Horizontal
3	17235	30.87	8.99	39.86	54	-14.14	Average	Horizontal
4	17235	42.96	8.99	51.95	68.2	-16.25	Peak	Horizontal
5	11490	32.83	2.06	34.89	54	-19.11	Average	Vertical
6	11490	44.26	2.06	46.32	74	-27.68	Peak	Vertical
7	17235	31.89	8.99	40.88	54	-13.12	Average	Vertical
8	17235	43.37	8.99	52.36	68.2	-15.84	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE20_Channel 157								
1	11570	31.65	2.05	33.70	54	-20.30	Average	Horizontal
2	11570	43.75	2.05	45.80	74	-28.20	Peak	Horizontal
3	17355	30.84	9.16	40.00	54	-14.00	Average	Horizontal
4	17355	41.84	9.16	51.00	68.2	-17.20	Peak	Horizontal
5	11570	32.65	2.05	34.70	54	-19.30	Average	Vertical
6	11570	45.87	2.05	47.92	74	-26.08	Peak	Vertical
7	17355	31.94	9.16	41.10	54	-12.90	Average	Vertical
8	17355	43.25	9.16	52.41	68.2	-15.79	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE20_Channel 165								
1	11650	32.15	2.08	34.23	54	-19.77	Average	Horizontal
2	11650	43.16	2.08	45.24	74	-28.76	Peak	Horizontal
3	17475	29.41	9.33	38.74	54	-15.26	Average	Horizontal
4	17475	40.29	9.33	49.62	68.2	-18.58	Peak	Horizontal
5	11650	33.03	2.08	35.11	54	-18.89	Average	Vertical
6	11650	44.47	2.08	46.55	74	-27.45	Peak	Vertical
7	17475	30.30	9.33	39.63	54	-14.37	Average	Vertical
8	17475	41.38	9.33	50.71	68.2	-17.49	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	33.35	3.38	36.73	54	-17.27	Average	Horizontal
2	10380	45.11	3.38	48.49	68.2	-19.71	Peak	Horizontal
3	15570	31.47	7.54	39.01	54	-14.99	Average	Horizontal
4	15570	44.78	7.54	52.32	74	-21.68	Peak	Horizontal
5	10380	35.06	3.38	38.44	54	-15.56	Average	Vertical
6	10380	47.02	3.38	50.40	68.2	-17.80	Peak	Vertical
7	15570	32.03	7.54	39.57	54	-14.43	Average	Vertical
8	15570	44.24	7.54	51.78	74	-22.22	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE40_Channel 46								
1	10460	33.70	3.40	37.10	54	-16.90	Average	Horizontal
2	10460	45.59	3.40	48.99	68.2	-19.21	Peak	Horizontal
3	15690	31.81	7.42	39.23	54	-14.77	Average	Horizontal
4	15690	44.14	7.42	51.56	74	-22.44	Peak	Horizontal
5	10460	35.28	3.40	38.68	54	-15.32	Average	Vertical
6	10460	46.82	3.40	50.22	68.2	-17.98	Peak	Vertical
7	15690	32.60	7.42	40.02	54	-13.98	Average	Vertical
8	15690	44.94	7.42	52.36	74	-21.64	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE40_Channel 54								
1	10540	32.18	3.30	35.48	54	-18.52	Average	Horizontal
2	10540	43.51	3.30	46.81	68.2	-21.39	Peak	Horizontal
3	15810	30.92	7.33	38.25	54	-15.75	Average	Horizontal
4	15810	43.29	7.33	50.62	74	-23.38	Peak	Horizontal
5	10540	33.06	3.30	36.36	54	-17.64	Average	Vertical
6	10540	44.54	3.30	47.84	68.2	-20.36	Peak	Vertical
7	15810	31.85	7.33	39.18	54	-14.82	Average	Vertical
8	15810	44.07	7.33	51.40	74	-22.60	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	32.00	3.14	35.14	54	-18.86	Average	Horizontal
2	10620	45.32	3.14	48.46	74	-25.54	Peak	Horizontal
3	15930	30.32	7.21	37.53	54	-16.47	Average	Horizontal
4	15930	42.95	7.21	50.16	74	-23.84	Peak	Horizontal
5	10620	32.00	3.14	35.14	54	-18.86	Average	Vertical
6	10620	44.72	3.14	47.86	74	-26.14	Peak	Vertical
7	15930	30.32	7.21	37.53	54	-16.47	Average	Vertical
8	15930	44.56	7.21	51.77	74	-22.23	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE40_Channel 102								
1	11020	32.84	2.35	35.19	54	-18.81	Average	Horizontal
2	11020	43.79	2.35	46.14	74	-27.86	Peak	Horizontal
3	16530	31.09	8.04	39.13	54	-14.87	Average	Horizontal
4	16530	42.15	8.04	50.19	68.2	-18.01	Peak	Horizontal
5	11020	33.99	2.35	36.34	54	-17.66	Average	Vertical
6	11020	45.62	2.35	47.97	74	-26.03	Peak	Vertical
7	16530	32.32	8.04	40.36	54	-13.64	Average	Vertical
8	16530	44.39	8.04	52.43	68.2	-15.77	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE40_Channel 110								
1	11100	32.13	2.30	34.43	54	-19.57	Average	Horizontal
2	11100	44.75	2.30	47.05	74	-26.95	Peak	Horizontal
3	16650	30.68	8.20	38.88	54	-15.12	Average	Horizontal
4	16650	43.07	8.20	51.27	68.2	-16.93	Peak	Horizontal
5	11100	33.23	2.30	35.53	54	-18.47	Average	Vertical
6	11100	44.41	2.30	46.71	74	-27.29	Peak	Vertical
7	16650	31.45	8.20	39.65	54	-14.35	Average	Vertical
8	16650	43.40	8.20	51.60	68.2	-16.60	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE40_Channel 134								
1	11340	31.63	2.16	33.79	54	-20.21	Average	Horizontal
2	11340	43.29	2.16	45.45	74	-28.55	Peak	Horizontal
3	17010	30.80	8.67	39.47	54	-14.53	Average	Horizontal
4	17010	41.89	8.67	50.56	68.2	-17.64	Peak	Horizontal
5	11340	32.63	2.16	34.79	54	-19.21	Average	Vertical
6	11340	43.01	2.16	45.17	74	-28.83	Peak	Vertical
7	17010	31.63	8.67	40.30	54	-13.70	Average	Vertical
8	17010	42.51	8.67	51.18	68.2	-17.02	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	32.47	2.05	34.52	54	-19.48	Average	Horizontal
2	11510	45.10	2.05	47.15	74	-26.85	Peak	Horizontal
3	17265	30.83	9.03	39.86	54	-14.14	Average	Horizontal
4	17265	42.33	9.03	51.36	68.2	-16.84	Peak	Horizontal
5	11510	34.38	2.05	36.43	54	-17.57	Average	Vertical
6	11510	45.82	2.05	47.87	74	-26.13	Peak	Vertical
7	17265	31.96	9.03	40.99	54	-13.01	Average	Vertical
8	17265	43.52	9.03	52.55	68.2	-15.65	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE40_Channel 159								
1	11590	31.40	2.07	33.47	54	-20.53	Average	Horizontal
2	11590	42.91	2.07	44.98	74	-29.02	Peak	Horizontal
3	17385	30.79	9.21	40.00	54	-14.00	Average	Horizontal
4	17385	41.00	9.21	50.21	68.2	-17.99	Peak	Horizontal
5	11590	32.14	2.07	34.21	54	-19.79	Average	Vertical
6	11590	42.88	2.07	44.95	74	-29.05	Peak	Vertical
7	17385	31.92	9.21	41.13	54	-12.87	Average	Vertical
8	17385	42.81	9.21	52.02	68.2	-16.18	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE80_Channel 42								
1	10420	33.83	3.39	37.22	54	-16.78	Average	Horizontal
2	10420	45.22	3.39	48.61	68.2	-19.59	Peak	Horizontal
3	15630	31.79	7.48	39.27	54	-14.73	Average	Horizontal
4	15630	43.85	7.48	51.33	74	-22.67	Peak	Horizontal
5	10420	35.16	3.39	38.55	54	-15.45	Average	Vertical
6	10420	46.56	3.39	49.95	68.2	-18.25	Peak	Vertical
7	15630	32.50	7.48	39.98	54	-14.02	Average	Vertical
8	15630	44.66	7.48	52.14	74	-21.86	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	32.46	3.23	35.69	54	-18.31	Average	Horizontal
2	10580	43.34	3.23	46.57	68.2	-21.63	Peak	Horizontal
3	15870	30.94	7.27	38.21	54	-15.79	Average	Horizontal
4	15870	41.87	7.27	49.14	74	-24.86	Peak	Horizontal
5	10580	33.65	3.23	36.88	54	-17.12	Average	Vertical
6	10580	45.01	3.23	48.24	68.2	-19.96	Peak	Vertical
7	15870	32.02	7.27	39.29	54	-14.71	Average	Vertical
8	15870	43.89	7.27	51.16	74	-22.84	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE80_Channel 106								
1	11060	32.83	2.32	35.15	54	-18.85	Average	Horizontal
2	11060	44.56	2.32	46.88	74	-27.12	Peak	Horizontal
3	16590	29.98	8.11	38.09	54	-15.91	Average	Horizontal
4	16590	41.38	8.11	49.49	68.2	-18.71	Peak	Horizontal
5	11060	33.89	2.32	36.21	54	-17.79	Average	Vertical
6	11060	45.97	2.32	48.29	74	-25.71	Peak	Vertical
7	16590	30.98	8.11	39.09	54	-14.91	Average	Vertical
8	16590	42.82	8.11	50.93	68.2	-17.27	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE80_Channel 122								
1	11220	31.46	2.22	33.68	54	-20.32	Average	Horizontal
2	11220	44.15	2.22	46.37	74	-27.63	Peak	Horizontal
3	16830	30.91	8.43	39.34	54	-14.66	Average	Horizontal
4	16830	43.57	8.43	52.00	68.2	-16.20	Peak	Horizontal
5	11220	32.48	2.22	34.70	54	-19.30	Average	Vertical
6	11220	43.86	2.22	46.08	74	-27.92	Peak	Vertical
7	16830	31.73	8.43	40.16	54	-13.84	Average	Vertical
8	16830	42.92	8.43	51.35	68.2	-16.85	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE80_Channel 155								
1	11550	31.85	2.06	33.91	54	-20.09	Average	Horizontal
2	11550	43.70	2.06	45.76	74	-28.24	Peak	Horizontal
3	17325	30.82	9.12	39.94	54	-14.06	Average	Horizontal
4	17325	42.58	9.12	51.70	68.2	-16.50	Peak	Horizontal
5	11550	32.63	2.06	34.69	54	-19.31	Average	Vertical
6	11550	43.99	2.06	46.05	74	-27.95	Peak	Vertical
7	17325	31.80	9.12	40.92	54	-13.08	Average	Vertical
8	17325	43.02	9.12	52.14	68.2	-16.06	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	32.06	3.40	35.46	54	-18.54	Average	Horizontal
2	10500	43.00	3.40	46.40	68.2	-21.80	Peak	Horizontal
3	15750	31.31	7.38	38.69	54	-15.31	Average	Horizontal
4	15750	42.90	7.38	50.28	74	-23.72	Peak	Horizontal
5	10500	33.37	3.40	36.77	54	-17.23	Average	Vertical
6	10500	44.79	3.40	48.19	68.2	-20.01	Peak	Vertical
7	15750	32.45	7.38	39.83	54	-14.17	Average	Vertical
8	15750	44.02	7.38	51.40	74	-22.60	Peak	Vertical
MIMO_Ant. 1+3_ IEEE 802.11ax-HE160_Channel 114								
1	11140	32.00	2.28	34.28	54	-19.72	Average	Horizontal
2	11140	42.90	2.28	45.18	74	-28.82	Peak	Horizontal
3	16710	30.60	8.28	38.88	54	-15.12	Average	Horizontal
4	16710	42.59	8.28	50.87	68.2	-17.33	Peak	Horizontal
5	11140	33.00	2.28	35.28	54	-18.72	Average	Vertical
6	11140	42.76	2.28	45.04	74	-28.96	Peak	Vertical
7	16710	31.41	8.28	39.69	54	-14.31	Average	Vertical
8	16710	42.27	8.28	50.55	68.2	-17.65	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT20_Channel 36								
1	10360	33.56	3.38	36.94	54	-17.06	Average	Horizontal
2	10360	45.17	3.38	48.55	68.2	-19.65	Peak	Horizontal
3	15540	31.49	7.56	39.05	54	-14.95	Average	Horizontal
4	15540	42.67	7.56	50.23	74	-23.77	Peak	Horizontal
5	10360	34.94	3.38	38.32	54	-15.68	Average	Vertical
6	10360	46.00	3.38	49.38	68.2	-18.82	Peak	Vertical
7	15540	32.05	7.56	39.61	54	-14.39	Average	Vertical
8	15540	43.37	7.56	50.93	74	-23.07	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT20_Channel 40								
1	10440	33.69	3.38	37.07	54	-16.93	Average	Horizontal
2	10440	44.71	3.38	48.09	68.2	-20.11	Peak	Horizontal
3	15660	31.77	7.46	39.23	54	-14.77	Average	Horizontal
4	15660	44.06	7.46	51.52	74	-22.48	Peak	Horizontal
5	10440	35.76	3.38	39.14	54	-14.86	Average	Vertical
6	10440	47.40	3.38	50.78	68.2	-17.42	Peak	Vertical
7	15660	32.46	7.46	39.92	54	-14.08	Average	Vertical
8	15660	43.48	7.46	50.94	74	-23.06	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	32.36	3.39	35.75	54	-18.25	Average	Horizontal
2	10480	43.86	3.39	47.25	68.2	-20.95	Peak	Horizontal
3	15720	31.41	7.40	38.81	54	-15.19	Average	Horizontal
4	15720	42.96	7.40	50.36	74	-23.64	Peak	Horizontal
5	10480	33.80	3.39	37.19	54	-16.81	Average	Vertical
6	10480	48.09	3.39	51.48	68.2	-16.72	Peak	Vertical
7	15720	32.33	7.40	39.73	54	-14.27	Average	Vertical
8	15720	43.93	7.40	51.33	74	-22.67	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT20_Channel 52								
1	10520	32.29	3.35	35.64	54	-18.36	Average	Horizontal
2	10520	44.16	3.35	47.51	68.2	-20.69	Peak	Horizontal
3	15780	31.50	7.35	38.85	54	-15.15	Average	Horizontal
4	15780	44.36	7.35	51.71	74	-22.29	Peak	Horizontal
5	10520	33.57	3.35	36.92	54	-17.08	Average	Vertical
6	10520	45.60	3.35	48.95	68.2	-19.25	Peak	Vertical
7	15780	32.38	7.35	39.73	54	-14.27	Average	Vertical
8	15780	43.64	7.35	50.99	74	-23.01	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT20_Channel 56								
1	10600	31.50	3.19	34.69	54	-19.31	Average	Horizontal
2	10600	42.41	3.19	45.60	74	-28.40	Peak	Horizontal
3	15900	30.33	7.24	37.57	54	-16.43	Average	Horizontal
4	15900	42.05	7.24	49.29	74	-24.71	Peak	Horizontal
5	10600	32.78	3.19	35.97	54	-18.03	Average	Vertical
6	10600	44.31	3.19	47.50	74	-26.50	Peak	Vertical
7	15900	31.13	7.24	38.37	54	-15.63	Average	Vertical
8	15900	42.93	7.24	50.17	74	-23.83	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT20_Channel 64								
1	10640	31.50	3.19	34.69	54	-19.31	Average	Horizontal
2	10640	43.91	3.10	47.01	74	-26.99	Peak	Horizontal
3	15900	30.33	7.24	37.57	54	-16.43	Average	Horizontal
4	15960	42.34	7.19	49.53	74	-24.47	Peak	Horizontal
5	10640	32.50	3.10	35.60	54	-18.40	Average	Vertical
6	10640	42.91	3.10	46.01	74	-27.99	Peak	Vertical
7	15960	31.06	7.19	38.25	54	-15.75	Average	Vertical
8	15960	42.80	7.19	49.99	74	-24.01	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	32.93	2.36	35.29	54	-18.71	Average	Horizontal
2	11000	43.78	2.36	46.14	74	-27.86	Peak	Horizontal
3	16500	31.25	8.00	39.25	54	-14.75	Average	Horizontal
4	16500	43.84	8.00	51.84	68.2	-16.36	Peak	Horizontal
5	10640	32.50	3.10	35.60	54	-18.40	Average	Vertical
6	11000	45.56	2.36	47.92	74	-26.08	Peak	Vertical
7	15960	31.06	7.19	38.25	54	-15.75	Average	Vertical
8	16500	43.95	8.00	51.95	68.2	-16.25	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT20_Channel 116								
1	11160	32.32	2.25	34.57	54	-19.43	Average	Horizontal
2	11160	43.48	2.25	45.73	74	-28.27	Peak	Horizontal
3	16740	30.61	8.31	38.92	54	-15.08	Average	Horizontal
4	16740	42.43	8.31	50.74	68.2	-17.46	Peak	Horizontal
5	11160	33.31	2.25	35.56	54	-18.44	Average	Vertical
6	11160	44.90	2.25	47.15	74	-26.85	Peak	Vertical
7	16740	31.57	8.31	39.88	54	-14.12	Average	Vertical
8	16740	44.46	8.31	52.77	68.2	-15.43	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT20_Channel 140								
1	11400	32.08	2.11	34.19	54	-19.81	Average	Horizontal
2	11400	45.09	2.11	47.20	74	-26.80	Peak	Horizontal
3	17100	31.23	8.79	40.02	54	-13.98	Average	Horizontal
4	17100	43.41	8.79	52.20	68.2	-16.00	Peak	Horizontal
5	11400	32.97	2.11	35.08	54	-18.92	Average	Vertical
6	11400	44.45	2.11	46.56	74	-27.44	Peak	Vertical
7	17100	32.09	8.79	40.88	54	-13.12	Average	Vertical
8	17100	43.23	8.79	52.02	68.2	-16.18	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT20_Channel 149								
1	11490	32.14	2.06	34.20	54	-19.80	Average	Horizontal
2	11490	44.40	2.06	46.46	74	-27.54	Peak	Horizontal
3	17235	30.91	8.99	39.90	54	-14.10	Average	Horizontal
4	17235	42.73	8.99	51.72	68.2	-16.48	Peak	Horizontal
5	11490	32.03	2.06	34.09	54	-19.91	Average	Vertical
6	11490	43.79	2.06	45.85	74	-28.15	Peak	Vertical
7	17235	30.99	8.99	39.98	54	-14.02	Average	Vertical
8	17235	42.58	8.99	51.57	68.2	-16.63	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	32.27	2.05	34.32	54	-19.68	Average	Horizontal
2	11570	44.91	2.05	46.96	74	-27.04	Peak	Horizontal
3	17355	30.84	9.16	40.00	54	-14.00	Average	Horizontal
4	17355	42.48	9.16	51.64	68.2	-16.56	Peak	Horizontal
5	11570	32.37	2.05	34.42	54	-19.58	Average	Vertical
6	11570	45.96	2.05	48.01	74	-25.99	Peak	Vertical
7	17355	30.88	9.16	40.04	54	-13.96	Average	Vertical
8	17355	42.10	9.16	51.26	68.2	-16.94	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT20_Channel 165								
1	11650	32.27	2.05	34.32	54	-19.68	Average	Horizontal
2	11650	44.48	2.08	46.56	74	-27.44	Peak	Horizontal
3	17355	30.84	9.16	40.00	54	-14.00	Average	Horizontal
4	17475	40.15	9.33	49.48	68.2	-18.72	Peak	Horizontal
5	11650	32.70	2.08	34.78	54	-19.22	Average	Vertical
6	11650	46.22	2.08	48.30	74	-25.70	Peak	Vertical
7	17475	29.51	9.33	38.84	54	-15.16	Average	Vertical
8	17475	40.00	9.33	49.33	68.2	-18.87	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT40_Channel 38								
1	10380	33.44	3.38	36.82	54	-17.18	Average	Horizontal
2	10380	44.90	3.38	48.28	68.2	-19.92	Peak	Horizontal
3	15570	31.32	7.54	38.86	54	-15.14	Average	Horizontal
4	15570	44.13	7.54	51.67	74	-22.33	Peak	Horizontal
5	10380	34.18	3.38	37.56	54	-16.44	Average	Vertical
6	10380	45.62	3.38	49.00	68.2	-19.20	Peak	Vertical
7	15570	31.43	7.54	38.97	54	-15.03	Average	Vertical
8	15570	42.34	7.54	49.88	74	-24.12	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	33.64	3.40	37.04	54	-16.96	Average	Horizontal
2	10460	44.76	3.40	48.16	68.2	-20.04	Peak	Horizontal
3	15690	31.89	7.42	39.31	54	-14.69	Average	Horizontal
4	15690	43.33	7.42	50.75	74	-23.25	Peak	Horizontal
5	10460	34.19	3.40	37.59	54	-16.41	Average	Vertical
6	10460	45.19	3.40	48.59	68.2	-19.61	Peak	Vertical
7	15690	31.70	7.42	39.12	54	-14.88	Average	Vertical
8	15690	43.22	7.42	50.64	74	-23.36	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT40_Channel 54								
1	10540	32.22	3.30	35.52	54	-18.48	Average	Horizontal
2	10540	43.62	3.30	46.92	68.2	-21.28	Peak	Horizontal
3	15810	30.96	7.33	38.29	54	-15.71	Average	Horizontal
4	15810	43.13	7.33	50.46	74	-23.54	Peak	Horizontal
5	10540	32.73	3.30	36.03	54	-17.97	Average	Vertical
6	10540	45.12	3.30	48.42	68.2	-19.78	Peak	Vertical
7	15810	31.00	7.33	38.33	54	-15.67	Average	Vertical
8	15810	43.37	7.33	50.70	74	-23.30	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT40_Channel 62								
1	10620	31.63	3.14	34.77	54	-19.23	Average	Horizontal
2	10620	43.49	3.14	46.63	74	-27.37	Peak	Horizontal
3	15930	30.36	7.21	37.57	54	-16.43	Average	Horizontal
4	15930	42.14	7.21	49.35	74	-24.65	Peak	Horizontal
5	10620	31.96	3.14	35.10	54	-18.90	Average	Vertical
6	10620	43.95	3.14	47.09	74	-26.91	Peak	Vertical
7	15930	30.45	7.21	37.66	54	-16.34	Average	Vertical
8	15930	42.58	7.21	49.79	74	-24.21	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT40_Channel 102								
1	11020	33.04	2.35	35.39	54	-18.61	Average	Horizontal
2	11020	44.33	2.35	46.68	74	-27.32	Peak	Horizontal
3	16530	31.13	8.04	39.17	54	-14.83	Average	Horizontal
4	16530	42.38	8.04	50.42	68.2	-17.78	Peak	Horizontal
5	11020	32.91	2.35	35.26	54	-18.74	Average	Vertical
6	11020	44.54	2.35	46.89	74	-27.11	Peak	Vertical
7	16530	31.21	8.04	39.25	54	-14.75	Average	Vertical
8	16530	43.86	8.04	51.90	68.2	-16.30	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	32.30	2.30	34.60	54	-19.40	Average	Horizontal
2	11100	44.71	2.30	47.01	74	-26.99	Peak	Horizontal
3	16650	30.72	8.20	38.92	54	-15.08	Average	Horizontal
4	16650	42.90	8.20	51.10	68.2	-17.10	Peak	Horizontal
5	11100	32.20	2.30	34.50	54	-19.50	Average	Vertical
6	11100	43.14	2.30	45.44	74	-28.56	Peak	Vertical
7	16650	30.64	8.20	38.84	54	-15.16	Average	Vertical
8	16650	41.91	8.20	50.11	68.2	-18.09	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT40_Channel 134								
1	11340	31.89	2.16	34.05	54	-19.95	Average	Horizontal
2	11340	44.58	2.16	46.74	74	-27.26	Peak	Horizontal
3	17010	30.84	8.67	39.51	54	-14.49	Average	Horizontal
4	17010	42.31	8.67	50.98	68.2	-17.22	Peak	Horizontal
5	11340	31.82	2.16	33.98	54	-20.02	Average	Vertical
6	11340	43.29	2.16	45.45	74	-28.55	Peak	Vertical
7	17010	30.76	8.67	39.43	54	-14.57	Average	Vertical
8	17010	41.84	8.67	50.51	68.2	-17.69	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT40_Channel 151								
1	11510	32.67	2.05	34.72	54	-19.28	Average	Horizontal
2	11510	44.63	2.05	46.68	74	-27.32	Peak	Horizontal
3	17265	31.03	9.03	40.06	54	-13.94	Average	Horizontal
4	17265	42.33	9.03	51.36	68.2	-16.84	Peak	Horizontal
5	11510	32.50	2.05	34.55	54	-19.45	Average	Vertical
6	11510	43.87	2.05	45.92	74	-28.08	Peak	Vertical
7	17265	30.78	9.03	39.81	54	-14.19	Average	Vertical
8	17265	42.57	9.03	51.60	68.2	-16.60	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11n-HT40_Channel 159								
1	11590	32.00	2.07	34.07	54	-19.93	Average	Horizontal
2	11590	44.54	2.07	46.61	74	-27.39	Peak	Horizontal
3	17385	30.91	9.21	40.12	54	-13.88	Average	Horizontal
4	17385	43.15	9.21	52.36	68.2	-15.84	Peak	Horizontal
5	11590	32.39	2.07	34.46	54	-19.54	Average	Vertical
6	11590	43.42	2.07	45.49	74	-28.51	Peak	Vertical
7	17385	30.75	9.21	39.96	54	-14.04	Average	Vertical
8	17385	41.12	9.21	50.33	68.2	-17.87	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	33.59	3.39	36.98	54	-17.02	Average	Horizontal
2	10420	45.00	3.39	48.39	68.2	-19.81	Peak	Horizontal
3	15630	31.64	7.48	39.12	54	-14.88	Average	Horizontal
4	15630	42.85	7.48	50.33	74	-23.67	Peak	Horizontal
5	10420	34.59	3.39	37.98	54	-16.02	Average	Vertical
6	10420	46.44	3.39	49.83	68.2	-18.37	Peak	Vertical
7	15630	31.68	7.48	39.16	54	-14.84	Average	Vertical
8	15630	43.18	7.48	50.66	74	-23.34	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ac-VHT80_Channel 58								
1	10580	32.18	3.23	35.41	54	-18.59	Average	Horizontal
2	10580	43.31	3.23	46.54	68.2	-21.66	Peak	Horizontal
3	15870	30.94	7.27	38.21	54	-15.79	Average	Horizontal
4	15870	41.79	7.27	49.06	74	-24.94	Peak	Horizontal
5	10580	32.60	3.23	35.83	54	-18.17	Average	Vertical
6	10580	44.46	3.23	47.69	68.2	-20.51	Peak	Vertical
7	15870	31.10	7.27	38.37	54	-15.63	Average	Vertical
8	15870	43.22	7.27	50.49	74	-23.51	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ac-VHT80_Channel 106								
1	11060	33.00	2.32	35.32	54	-18.68	Average	Horizontal
2	11060	43.94	2.32	46.26	74	-27.74	Peak	Horizontal
3	16590	29.98	8.11	38.09	54	-15.91	Average	Horizontal
4	16590	41.71	8.11	49.82	68.2	-18.38	Peak	Horizontal
5	11060	33.06	2.32	35.38	54	-18.62	Average	Vertical
6	11060	43.81	2.32	46.13	74	-27.87	Peak	Vertical
7	16590	30.12	8.11	38.23	54	-15.77	Average	Vertical
8	16590	41.74	8.11	49.85	68.2	-18.35	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ac-VHT80_Channel 122								
1	11220	31.50	2.22	33.72	54	-20.28	Average	Horizontal
2	11220	43.49	2.22	45.71	74	-28.29	Peak	Horizontal
3	16830	31.03	8.43	39.46	54	-14.54	Average	Horizontal
4	16830	42.09	8.43	50.52	68.2	-17.68	Peak	Horizontal
5	11060	33.06	2.32	35.38	54	-18.62	Average	Vertical
6	11220	42.78	2.22	45.00	74	-29.00	Peak	Vertical
7	16590	30.12	8.11	38.23	54	-15.77	Average	Vertical
8	16830	42.95	8.43	51.38	68.2	-16.82	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	32.14	2.06	34.20	54	-19.80	Average	Horizontal
2	11550	43.96	2.06	46.02	74	-27.98	Peak	Horizontal
3	17325	30.82	9.12	39.94	54	-14.06	Average	Horizontal
4	17325	41.76	9.12	50.88	68.2	-17.32	Peak	Horizontal
5	11550	32.53	2.06	34.59	54	-19.41	Average	Vertical
6	11550	44.70	2.06	46.76	74	-27.24	Peak	Vertical
7	17325	31.22	9.12	40.34	54	-13.66	Average	Vertical
8	17325	43.13	9.12	52.25	68.2	-15.95	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ac-VHT160_Channel 50								
1	10500	32.10	3.40	35.50	54	-18.50	Average	Horizontal
2	10500	43.81	3.40	47.21	68.2	-20.99	Peak	Horizontal
3	15750	31.27	7.38	38.65	54	-15.35	Average	Horizontal
4	15750	43.03	7.38	50.41	74	-23.59	Peak	Horizontal
5	10500	32.28	3.40	35.68	54	-18.32	Average	Vertical
6	10500	43.67	3.40	47.07	68.2	-21.13	Peak	Vertical
7	15750	31.31	7.38	38.69	54	-15.31	Average	Vertical
8	15750	42.55	7.38	49.93	74	-24.07	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ac-VHT160_Channel 114								
1	11140	32.18	2.28	34.46	54	-19.54	Average	Horizontal
2	11140	43.44	2.28	45.72	74	-28.28	Peak	Horizontal
3	16710	30.85	8.28	39.13	54	-14.87	Average	Horizontal
4	16710	42.10	8.28	50.38	68.2	-17.82	Peak	Horizontal
5	11140	32.70	2.28	34.98	54	-19.02	Average	Vertical
6	11140	45.97	2.28	48.25	74	-25.75	Peak	Vertical
7	16710	31.75	8.28	40.03	54	-13.97	Average	Vertical
8	16710	44.46	8.28	52.74	68.2	-15.46	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	33.53	3.38	36.91	54	-17.09	Average	Horizontal
2	10360	44.62	3.38	48.00	68.2	-20.20	Peak	Horizontal
3	15540	31.02	7.56	38.58	54	-15.42	Average	Horizontal
4	15540	42.02	7.56	49.58	74	-24.42	Peak	Horizontal
5	10360	33.44	3.38	36.82	54	-17.18	Average	Vertical
6	10360	45.98	3.38	49.36	68.2	-18.84	Peak	Vertical
7	15540	31.22	7.56	38.78	54	-15.22	Average	Vertical
8	15540	42.47	7.56	50.03	74	-23.97	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE20_Channel 40								
1	10440	34.07	3.38	37.45	54	-16.55	Average	Horizontal
2	10440	44.98	3.38	48.36	68.2	-19.84	Peak	Horizontal
3	15660	31.81	7.46	39.27	54	-14.73	Average	Horizontal
4	15660	43.53	7.46	50.99	74	-23.01	Peak	Horizontal
5	10440	35.42	3.38	38.80	54	-15.20	Average	Vertical
6	10440	49.39	3.38	52.77	68.2	-15.43	Peak	Vertical
7	15660	31.59	7.46	39.05	54	-14.95	Average	Vertical
8	15660	43.01	7.46	50.47	74	-23.53	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE20_Channel 48								
1	10480	32.60	3.39	35.99	54	-18.01	Average	Horizontal
2	10480	43.88	3.39	47.27	68.2	-20.93	Peak	Horizontal
3	15720	31.21	7.40	38.61	54	-15.39	Average	Horizontal
4	15720	42.90	7.40	50.30	74	-23.70	Peak	Horizontal
5	10480	33.35	3.39	36.74	54	-17.26	Average	Vertical
6	10480	46.73	3.39	50.12	68.2	-18.08	Peak	Vertical
7	15720	31.17	7.40	38.57	54	-15.43	Average	Vertical
8	15720	42.43	7.40	49.83	74	-24.17	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE20_Channel 52								
1	10520	32.22	3.35	35.57	54	-18.43	Average	Horizontal
2	10520	44.53	3.35	47.88	68.2	-20.32	Peak	Horizontal
3	15780	31.22	7.35	38.57	54	-15.43	Average	Horizontal
4	15780	43.48	7.35	50.83	74	-23.17	Peak	Horizontal
5	10520	33.00	3.35	36.35	54	-17.65	Average	Vertical
6	10520	46.88	3.35	50.23	68.2	-17.97	Peak	Vertical
7	15780	31.34	7.35	38.69	54	-15.31	Average	Vertical
8	15780	42.21	7.35	49.56	74	-24.44	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 60								
1	10600	31.84	3.19	35.03	54	-18.97	Average	Horizontal
2	10600	43.15	3.19	46.34	74	-27.66	Peak	Horizontal
3	15900	29.88	7.24	37.12	54	-16.88	Average	Horizontal
4	15900	41.88	7.24	49.12	74	-24.88	Peak	Horizontal
5	10600	31.98	3.19	35.17	54	-18.83	Average	Vertical
6	10600	44.43	3.19	47.62	74	-26.38	Peak	Vertical
7	15900	30.02	7.24	37.26	54	-16.74	Average	Vertical
8	15900	42.16	7.24	49.40	74	-24.60	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE20_Channel 64								
1	10640	31.89	3.10	34.99	54	-19.01	Average	Horizontal
2	10640	45.19	3.10	48.29	74	-25.71	Peak	Horizontal
3	15960	29.89	7.19	37.08	54	-16.92	Average	Horizontal
4	15960	42.03	7.19	49.22	74	-24.78	Peak	Horizontal
5	10640	31.96	3.10	35.06	54	-18.94	Average	Vertical
6	10640	43.71	3.10	46.81	74	-27.19	Peak	Vertical
7	15960	29.98	7.19	37.17	54	-16.83	Average	Vertical
8	15960	41.49	7.19	48.68	74	-25.32	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE20_Channel 100								
1	11000	33.77	2.36	36.13	54	-17.87	Average	Horizontal
2	11000	44.75	2.36	47.11	74	-26.89	Peak	Horizontal
3	16500	30.96	8.00	38.96	54	-15.04	Average	Horizontal
4	16500	41.90	8.00	49.90	68.2	-18.30	Peak	Horizontal
5	11000	33.77	2.36	36.13	54	-17.87	Average	Vertical
6	11000	47.36	2.36	49.72	74	-24.28	Peak	Vertical
7	16500	30.96	8.00	38.96	54	-15.04	Average	Vertical
8	16500	42.31	8.00	50.31	68.2	-17.89	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE20_Channel 116								
1	11160	32.10	2.25	34.35	54	-19.65	Average	Horizontal
2	11160	43.33	2.25	45.58	74	-28.42	Peak	Horizontal
3	16740	30.53	8.31	38.84	54	-15.16	Average	Horizontal
4	16740	41.56	8.31	49.87	68.2	-18.33	Peak	Horizontal
5	11160	32.96	2.25	35.21	54	-18.79	Average	Vertical
6	11160	45.89	2.25	48.14	74	-25.86	Peak	Vertical
7	16740	30.86	8.31	39.17	54	-14.83	Average	Vertical
8	16740	45.25	8.31	53.56	68.2	-14.64	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	32.15	2.11	34.26	54	-19.74	Average	Horizontal
2	11400	44.10	2.11	46.21	74	-27.79	Peak	Horizontal
3	17100	30.99	8.79	39.78	54	-14.22	Average	Horizontal
4	17100	42.57	8.79	51.36	68.2	-16.84	Peak	Horizontal
5	11400	34.04	2.11	36.15	54	-17.85	Average	Vertical
6	11400	49.38	2.11	51.49	74	-22.51	Peak	Vertical
7	17100	31.15	8.79	39.94	54	-14.06	Average	Vertical
8	17100	41.06	8.79	49.85	68.2	-18.35	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE20_Channel 149								
1	11490	32.93	2.06	34.99	54	-19.01	Average	Horizontal
2	11490	44.63	2.06	46.69	74	-27.31	Peak	Horizontal
3	17235	30.53	8.99	39.52	54	-14.48	Average	Horizontal
4	17235	42.59	8.99	51.58	68.2	-16.62	Peak	Horizontal
5	11490	32.93	2.06	34.99	54	-19.01	Average	Vertical
6	11490	48.25	2.06	50.31	74	-23.69	Peak	Vertical
7	17235	30.53	8.99	39.52	54	-14.48	Average	Vertical
8	17235	42.37	8.99	51.36	68.2	-16.84	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE20_Channel 157								
1	11570	32.55	2.05	34.60	54	-19.40	Average	Horizontal
2	11570	45.77	2.05	47.82	74	-26.18	Peak	Horizontal
3	17355	30.63	9.16	39.79	54	-14.21	Average	Horizontal
4	17355	41.41	9.16	50.57	68.2	-17.63	Peak	Horizontal
5	11570	32.37	2.05	34.42	54	-19.58	Average	Vertical
6	11570	45.27	2.05	47.32	74	-26.68	Peak	Vertical
7	17355	30.59	9.16	39.75	54	-14.25	Average	Vertical
8	17355	43.37	9.16	52.53	68.2	-15.67	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE20_Channel 165								
1	11650	32.63	2.08	34.71	54	-19.29	Average	Horizontal
2	11650	44.71	2.08	46.79	74	-27.21	Peak	Horizontal
3	17475	29.36	9.33	38.69	54	-15.31	Average	Horizontal
4	17475	41.02	9.33	50.35	68.2	-17.85	Peak	Horizontal
5	11570	32.37	2.05	34.42	54	-19.58	Average	Vertical
6	11650	46.04	2.08	48.12	74	-25.88	Peak	Vertical
7	17355	30.59	9.16	39.75	54	-14.25	Average	Vertical
8	17475	41.96	9.33	51.29	68.2	-16.91	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	34.43	3.38	37.81	54	-16.19	Average	Horizontal
2	10380	45.63	3.38	49.01	68.2	-19.19	Peak	Horizontal
3	15570	31.04	7.54	38.58	54	-15.42	Average	Horizontal
4	15570	43.82	7.54	51.36	74	-22.64	Peak	Horizontal
5	10380	36.30	3.38	39.68	54	-14.32	Average	Vertical
6	10380	48.85	3.38	52.23	68.2	-15.97	Peak	Vertical
7	15570	31.16	7.54	38.70	54	-15.30	Average	Vertical
8	15570	42.77	7.54	50.31	74	-23.69	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE40_Channel 46								
1	10460	34.14	3.40	37.54	54	-16.46	Average	Horizontal
2	10460	46.10	3.40	49.50	68.2	-18.70	Peak	Horizontal
3	15690	31.55	7.42	38.97	54	-15.03	Average	Horizontal
4	15690	43.23	7.42	50.65	74	-23.35	Peak	Horizontal
5	10460	35.38	3.40	38.78	54	-15.22	Average	Vertical
6	10460	48.38	3.40	51.78	68.2	-16.42	Peak	Vertical
7	15690	32.46	7.42	39.88	54	-14.12	Average	Vertical
8	15690	45.88	7.42	53.30	74	-20.70	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE40_Channel 54								
1	10540	32.80	3.30	36.10	54	-17.90	Average	Horizontal
2	10540	44.11	3.30	47.41	68.2	-20.79	Peak	Horizontal
3	15810	30.84	7.33	38.17	54	-15.83	Average	Horizontal
4	15810	42.17	7.33	49.50	74	-24.50	Peak	Horizontal
5	10540	32.80	3.30	36.10	54	-17.90	Average	Vertical
6	10540	46.74	3.30	50.04	68.2	-18.16	Peak	Vertical
7	15810	30.84	7.33	38.17	54	-15.83	Average	Vertical
8	15810	42.50	7.33	49.83	74	-24.17	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	32.35	3.14	35.49	54	-18.51	Average	Horizontal
2	10620	43.80	3.14	46.94	74	-27.06	Peak	Horizontal
3	15930	29.87	7.21	37.08	54	-16.92	Average	Horizontal
4	15930	41.97	7.21	49.18	74	-24.82	Peak	Horizontal
5	10620	32.11	3.14	35.25	54	-18.75	Average	Vertical
6	10620	43.06	3.14	46.20	74	-27.80	Peak	Vertical
7	15930	29.96	7.21	37.17	54	-16.83	Average	Vertical
8	15930	43.23	7.21	50.44	74	-23.56	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE40_Channel 102								
1	11020	33.10	2.35	35.45	54	-18.55	Average	Horizontal
2	11020	44.28	2.35	46.63	74	-27.37	Peak	Horizontal
3	16530	31.01	8.04	39.05	54	-14.95	Average	Horizontal
4	16530	42.37	8.04	50.41	68.2	-17.79	Peak	Horizontal
5	11020	33.60	2.35	35.95	54	-18.05	Average	Vertical
6	11020	45.79	2.35	48.14	74	-25.86	Peak	Vertical
7	16530	30.84	8.04	38.88	54	-15.12	Average	Vertical
8	16530	42.35	8.04	50.39	68.2	-17.81	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE40_Channel 110								
1	11100	32.16	2.30	34.46	54	-19.54	Average	Horizontal
2	11100	42.80	2.30	45.10	74	-28.90	Peak	Horizontal
3	16650	30.51	8.20	38.71	54	-15.29	Average	Horizontal
4	16650	42.61	8.20	50.81	68.2	-17.39	Peak	Horizontal
5	11100	32.78	2.30	35.08	54	-18.92	Average	Vertical
6	11100	46.42	2.30	48.72	74	-25.28	Peak	Vertical
7	16650	30.51	8.20	38.71	54	-15.29	Average	Vertical
8	16650	41.61	8.20	49.81	68.2	-18.39	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE40_Channel 134								
1	11340	32.04	2.16	34.20	54	-19.80	Average	Horizontal
2	11340	43.03	2.16	45.19	74	-28.81	Peak	Horizontal
3	17010	30.76	8.67	39.43	54	-14.57	Average	Horizontal
4	17010	43.25	8.67	51.92	68.2	-16.28	Peak	Horizontal
5	11340	32.04	2.16	34.20	54	-19.80	Average	Vertical
6	11340	47.29	2.16	49.45	74	-24.55	Peak	Vertical
7	17010	30.76	8.67	39.43	54	-14.57	Average	Vertical
8	17010	40.48	8.67	49.15	68.2	-19.05	Peak	Vertical

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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	32.29	2.05	34.34	54	-19.66	Average	Horizontal
2	11510	43.33	2.05	45.38	74	-28.62	Peak	Horizontal
3	17265	30.61	9.03	39.64	54	-14.36	Average	Horizontal
4	17265	41.97	9.03	51.00	68.2	-17.20	Peak	Horizontal
5	11510	44.98	2.05	47.03	54	-6.97	Average	Vertical
6	11590	32.49	2.07	34.56	74	-39.44	Peak	Vertical
7	17265	43.05	9.03	52.08	54	-1.92	Average	Vertical
8	17385	30.49	9.21	39.70	68.2	-28.50	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE40_Channel 159								
1	11590	32.07	2.07	34.14	54	-19.86	Average	Horizontal
2	11590	44.42	2.07	46.49	74	-27.51	Peak	Horizontal
3	17385	30.41	9.21	39.62	54	-14.38	Average	Horizontal
4	17385	41.85	9.21	51.06	68.2	-17.14	Peak	Horizontal
5	11590	32.49	2.07	34.56	54	-19.44	Average	Vertical
6	11590	45.48	2.07	47.55	74	-26.45	Peak	Vertical
7	17385	30.49	9.21	39.70	54	-14.30	Average	Vertical
8	17385	42.90	9.21	52.11	68.2	-16.09	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE80_Channel 42								
1	10380	34.43	3.38	37.81	54	-16.19	Average	Horizontal
2	10420	46.05	3.39	49.44	68.2	-18.76	Peak	Horizontal
3	15570	31.04	7.54	38.58	54	-15.42	Average	Horizontal
4	15630	43.15	7.48	50.63	74	-23.37	Peak	Horizontal
5	10420	34.26	3.39	37.65	54	-16.35	Average	Vertical
6	10420	47.11	3.39	50.50	68.2	-17.70	Peak	Vertical
7	15630	31.41	7.48	38.89	54	-15.11	Average	Vertical
8	15630	43.25	7.48	50.73	74	-23.27	Peak	Vertical

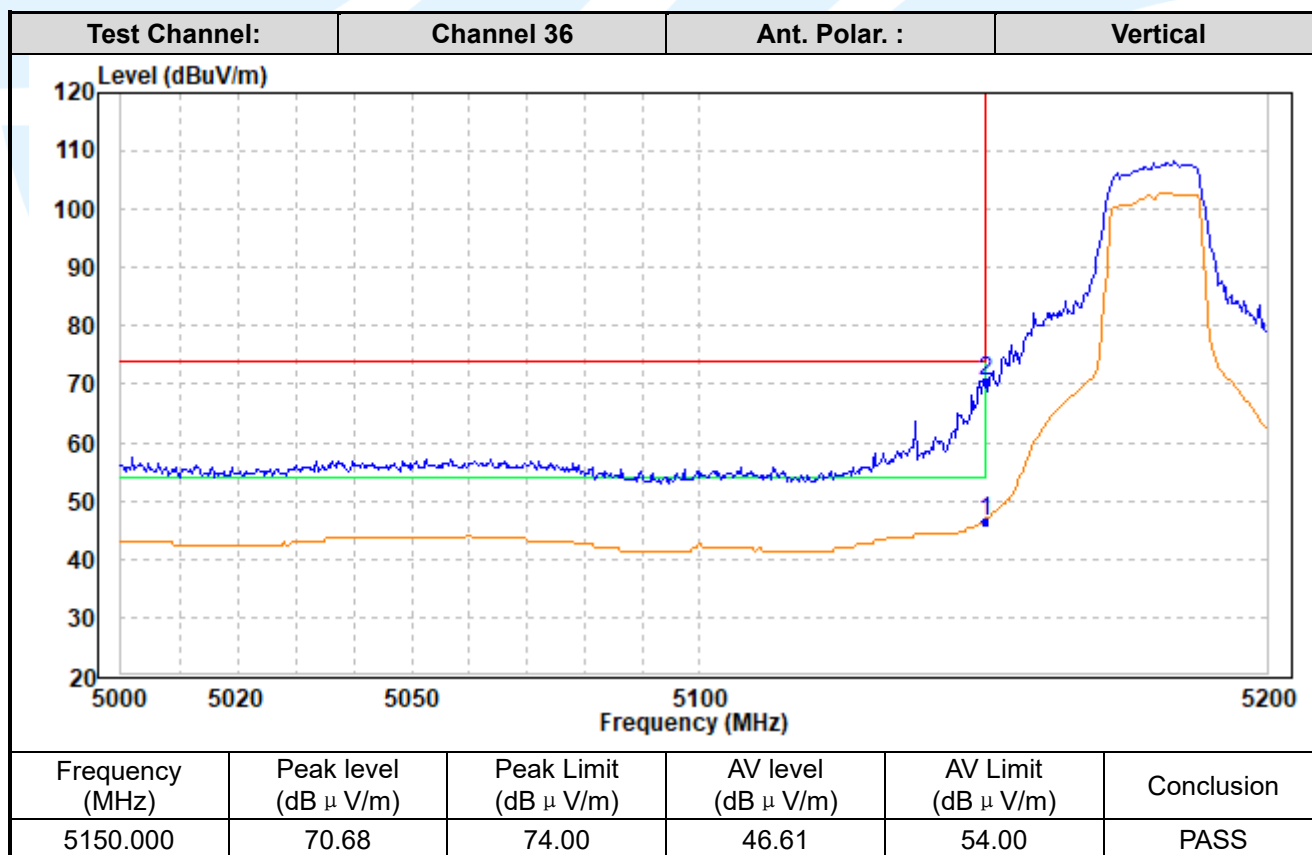
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_Ant. 2+3_ IEEE 802.11ax-HE80_Channel 58								
1	10580	33.06	3.23	36.29	54	-17.71	Average	Horizontal
2	10580	45.40	3.23	48.63	68.2	-19.57	Peak	Horizontal
3	15870	30.65	7.27	37.92	54	-16.08	Average	Horizontal
4	15870	42.84	7.27	50.11	74	-23.89	Peak	Horizontal
5	10580	33.00	3.23	36.23	54	-17.77	Average	Vertical
6	10580	45.61	3.23	48.84	68.2	-19.36	Peak	Vertical
7	15870	30.69	7.27	37.96	54	-16.04	Average	Vertical
8	15870	43.02	7.27	50.29	74	-23.71	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE80_Channel 106								
1	11060	33.09	2.32	35.41	54	-18.59	Average	Horizontal
2	11060	45.32	2.32	47.64	74	-26.36	Peak	Horizontal
3	16590	29.98	8.11	38.09	54	-15.91	Average	Horizontal
4	16590	42.19	8.11	50.30	68.2	-17.90	Peak	Horizontal
5	11060	33.89	2.32	36.21	54	-17.79	Average	Vertical
6	11060	45.84	2.32	48.16	74	-25.84	Peak	Vertical
7	16590	29.84	8.11	37.95	54	-16.05	Average	Vertical
8	16590	41.81	8.11	49.92	68.2	-18.28	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE80_Channel 122								
1	11220	31.10	2.22	33.32	54	-20.68	Average	Horizontal
2	11220	42.31	2.22	44.53	74	-29.47	Peak	Horizontal
3	16830	30.83	8.43	39.26	54	-14.74	Average	Horizontal
4	16830	42.63	8.43	51.06	68.2	-17.14	Peak	Horizontal
5	11220	31.84	2.22	34.06	54	-19.94	Average	Vertical
6	11220	44.00	2.22	46.22	74	-27.78	Peak	Vertical
7	16830	31.07	8.43	39.50	54	-14.50	Average	Vertical
8	16830	42.43	8.43	50.86	68.2	-17.34	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE80_Channel 155								
1	11550	32.07	2.06	34.13	54	-19.87	Average	Horizontal
2	11550	42.89	2.06	44.95	74	-29.05	Peak	Horizontal
3	17325	30.69	9.12	39.81	54	-14.19	Average	Horizontal
4	17325	42.10	9.12	51.22	68.2	-16.98	Peak	Horizontal
5	11550	32.69	2.06	34.75	54	-19.25	Average	Vertical
6	11550	45.02	2.06	47.08	74	-26.92	Peak	Vertical
7	17325	30.48	9.12	39.60	54	-14.40	Average	Vertical
8	17325	42.75	9.12	51.87	68.2	-16.33	Peak	Vertical

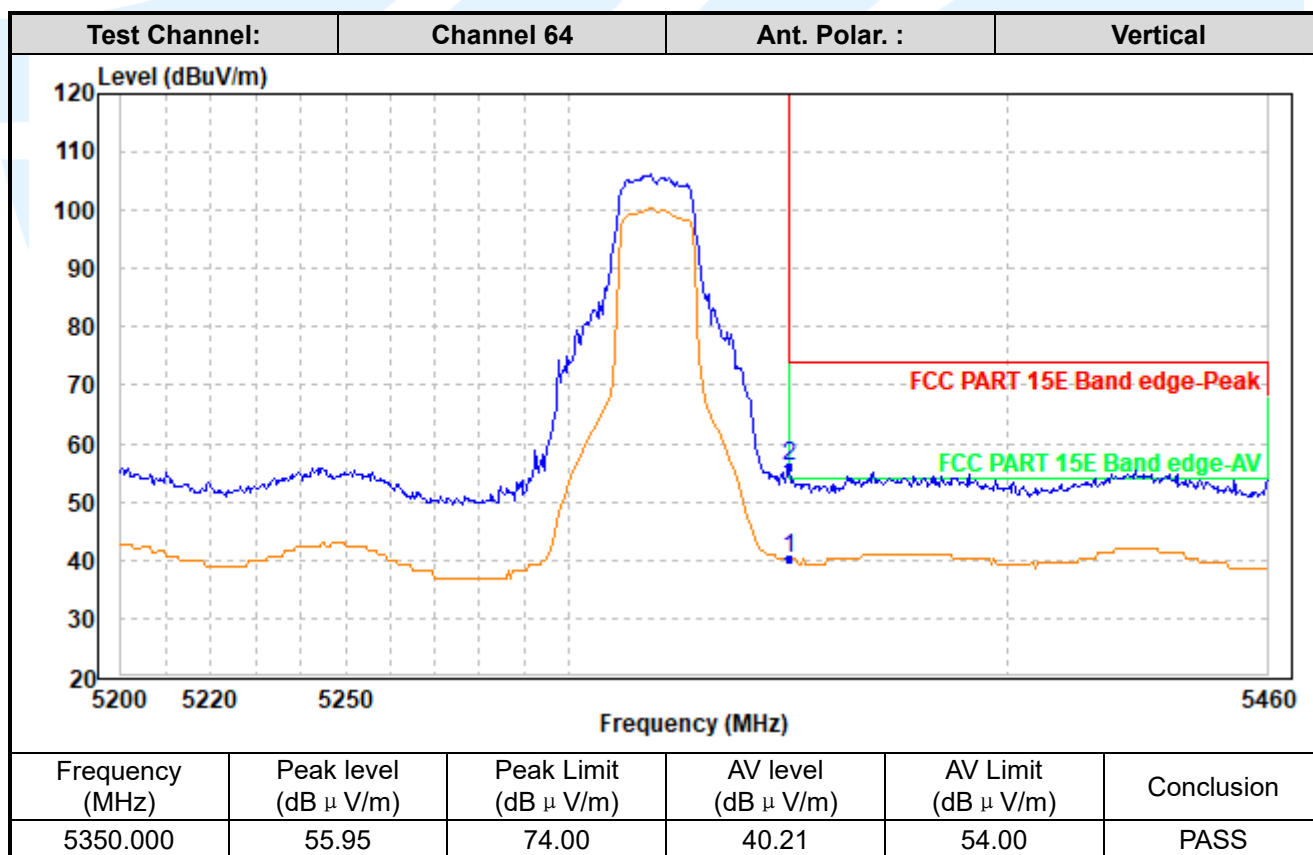
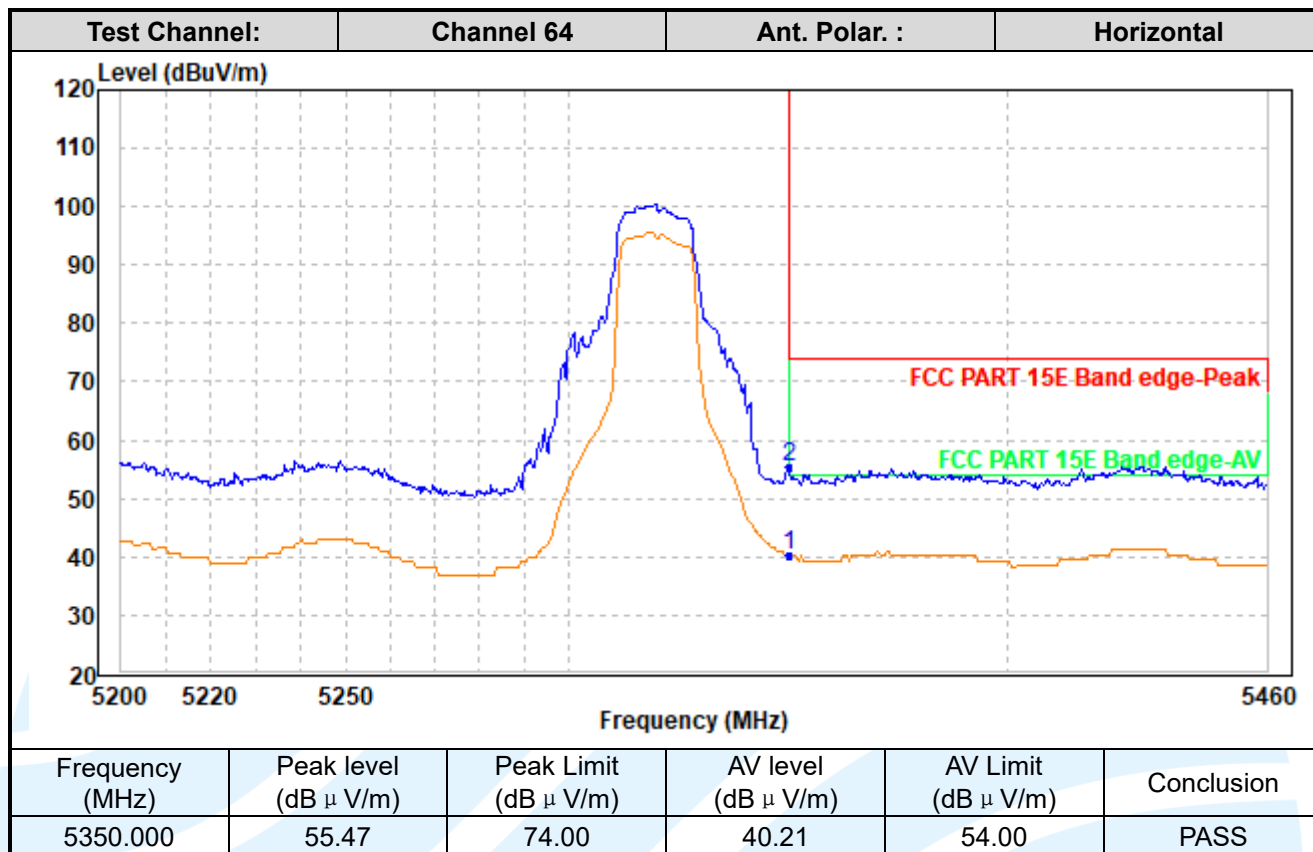
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
MIMO_Ant. 2+3_ IEEE 802.11ax-HE160_Channel 50								
1	10500	32.06	3.40	35.46	54	-18.54	Average	Horizontal
2	10500	43.65	3.40	47.05	68.2	-21.15	Peak	Horizontal
3	15750	31.19	7.38	38.57	54	-15.43	Average	Horizontal
4	15750	42.79	7.38	50.17	74	-23.83	Peak	Horizontal
5	10500	32.72	3.40	36.12	54	-17.88	Average	Vertical
6	10500	43.66	3.40	47.06	68.2	-21.14	Peak	Vertical
7	15750	31.58	7.38	38.96	54	-15.04	Average	Vertical
8	15750	43.17	7.38	50.55	74	-23.45	Peak	Vertical
MIMO_Ant. 2+3_ IEEE 802.11ax-HE160_Channel 114								
1	11140	32.15	2.28	34.43	54	-19.57	Average	Horizontal
2	11140	43.62	2.28	45.90	74	-28.10	Peak	Horizontal
3	16710	30.43	8.28	38.71	54	-15.29	Average	Horizontal
4	16710	42.33	8.28	50.61	68.2	-17.59	Peak	Horizontal
5	11140	32.39	2.28	34.67	54	-19.33	Average	Vertical
6	11140	42.86	2.28	45.14	74	-28.86	Peak	Vertical
7	16710	30.85	8.28	39.13	54	-14.87	Average	Vertical
8	16710	41.31	8.28	49.59	68.2	-18.61	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.

Antenna 1_ IEEE 802.11a





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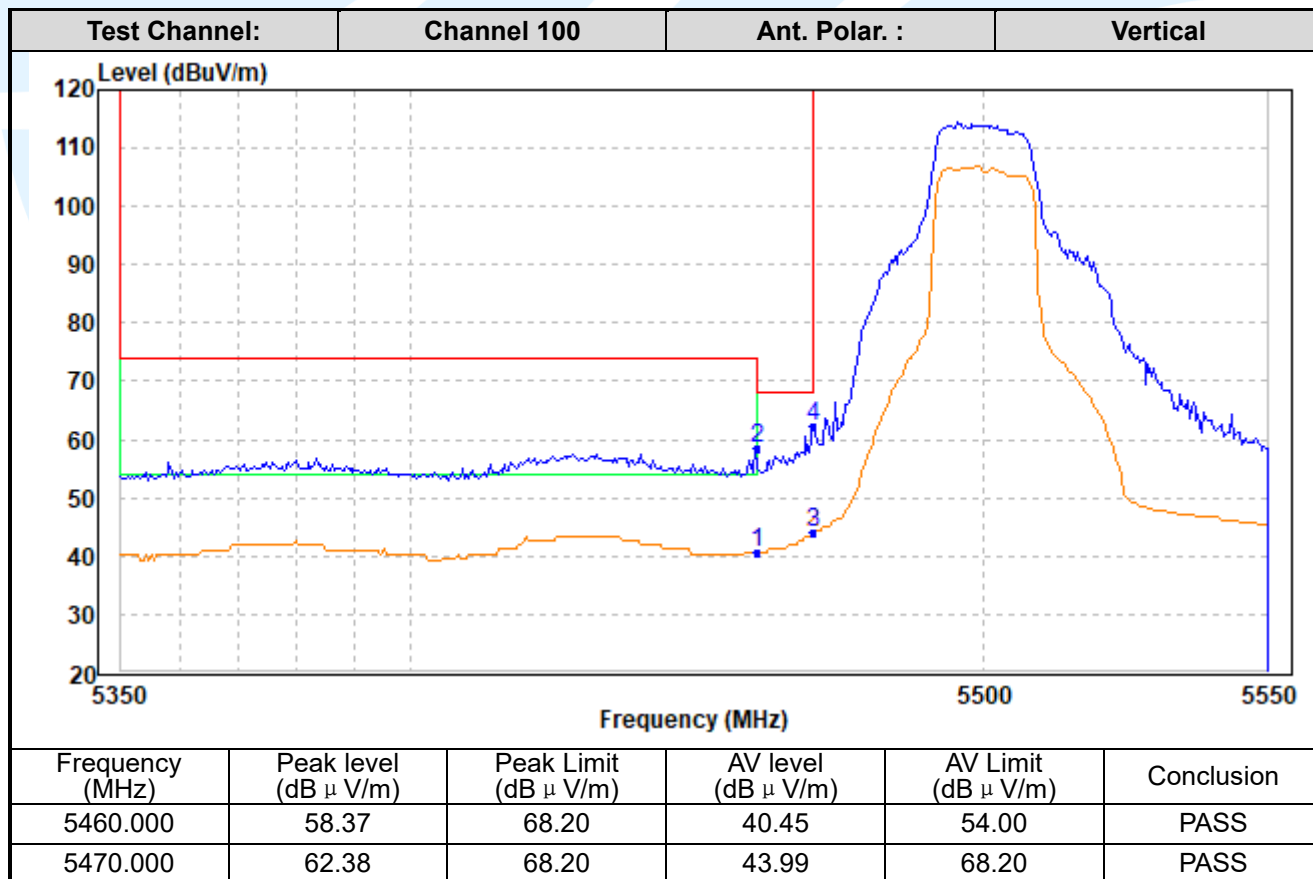
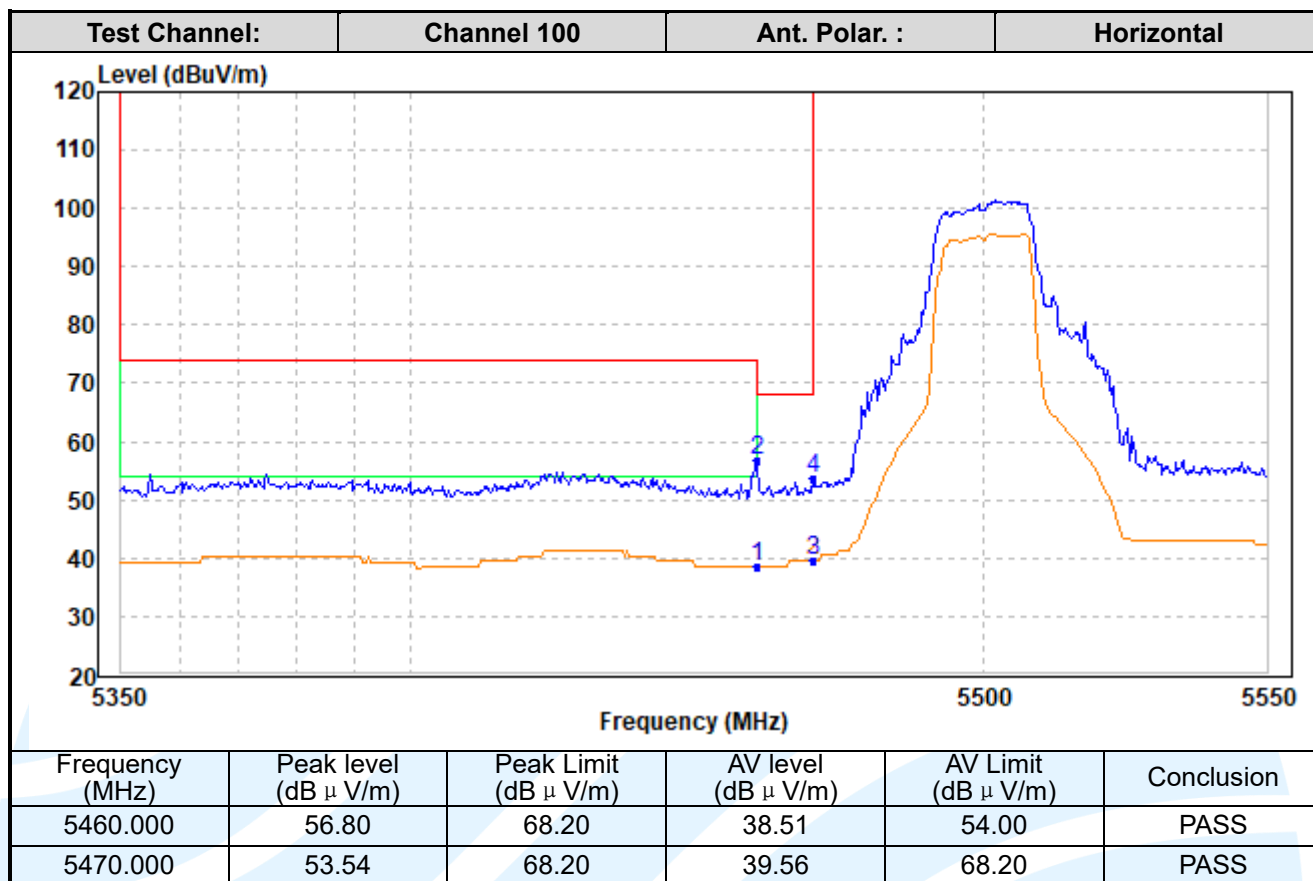
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Fax: +86-755-28230886

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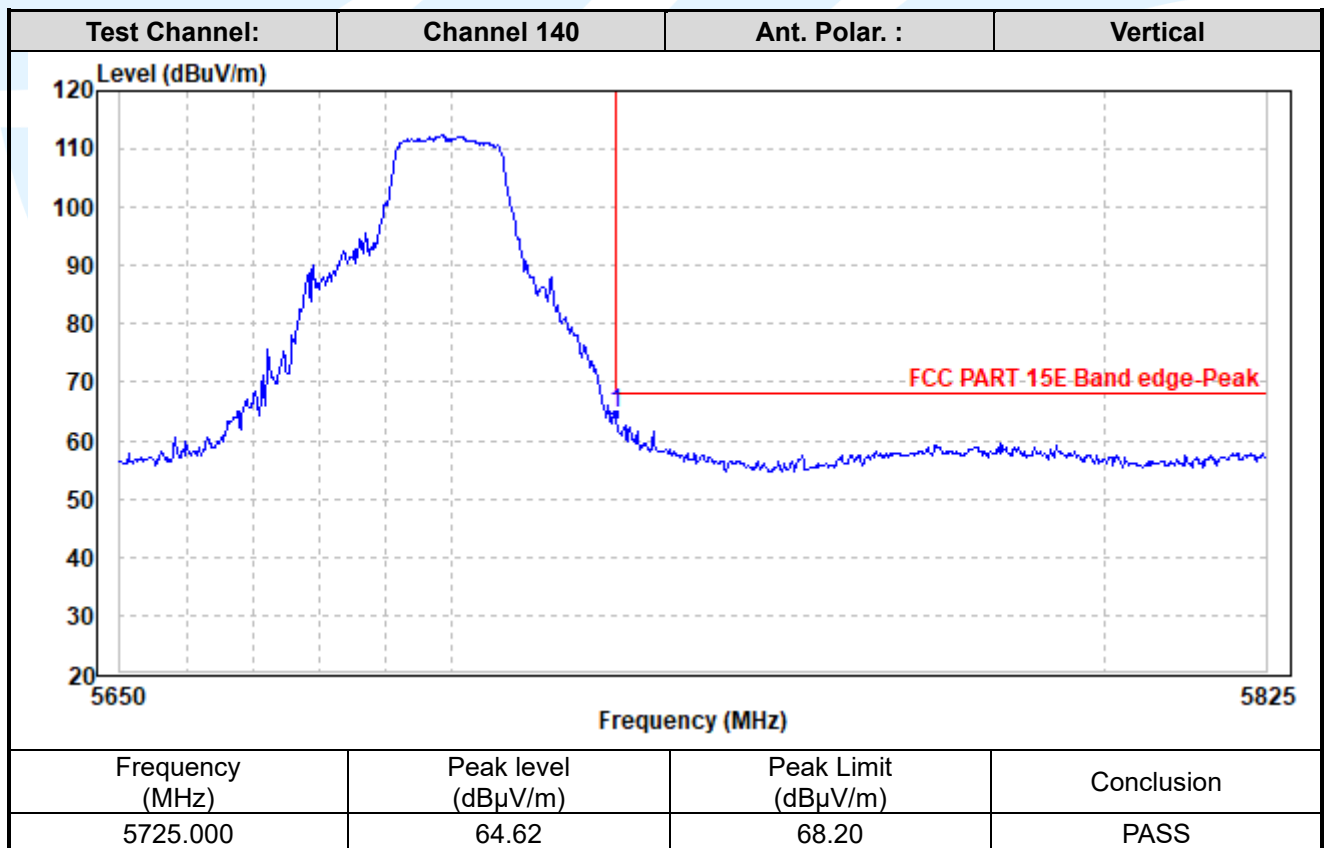
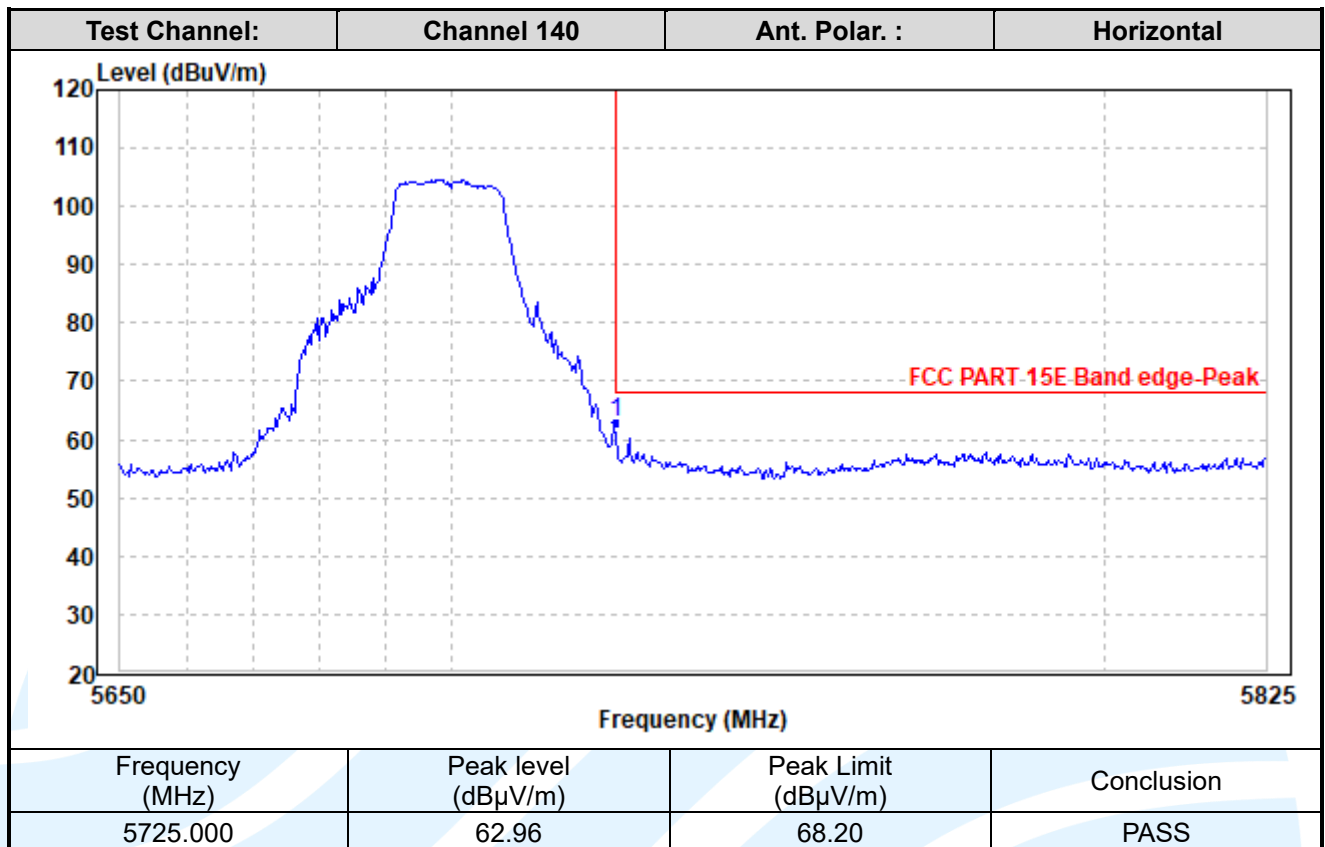
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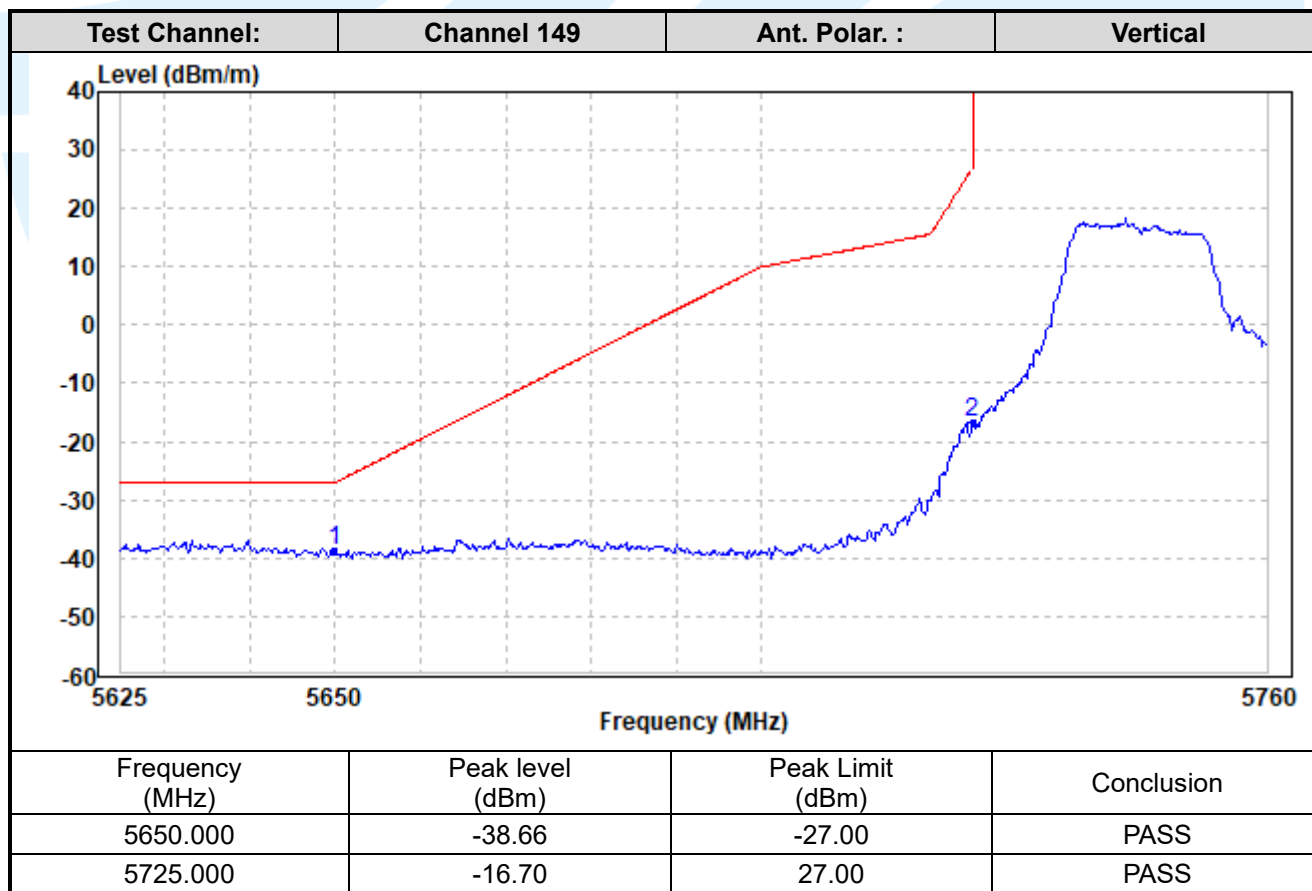
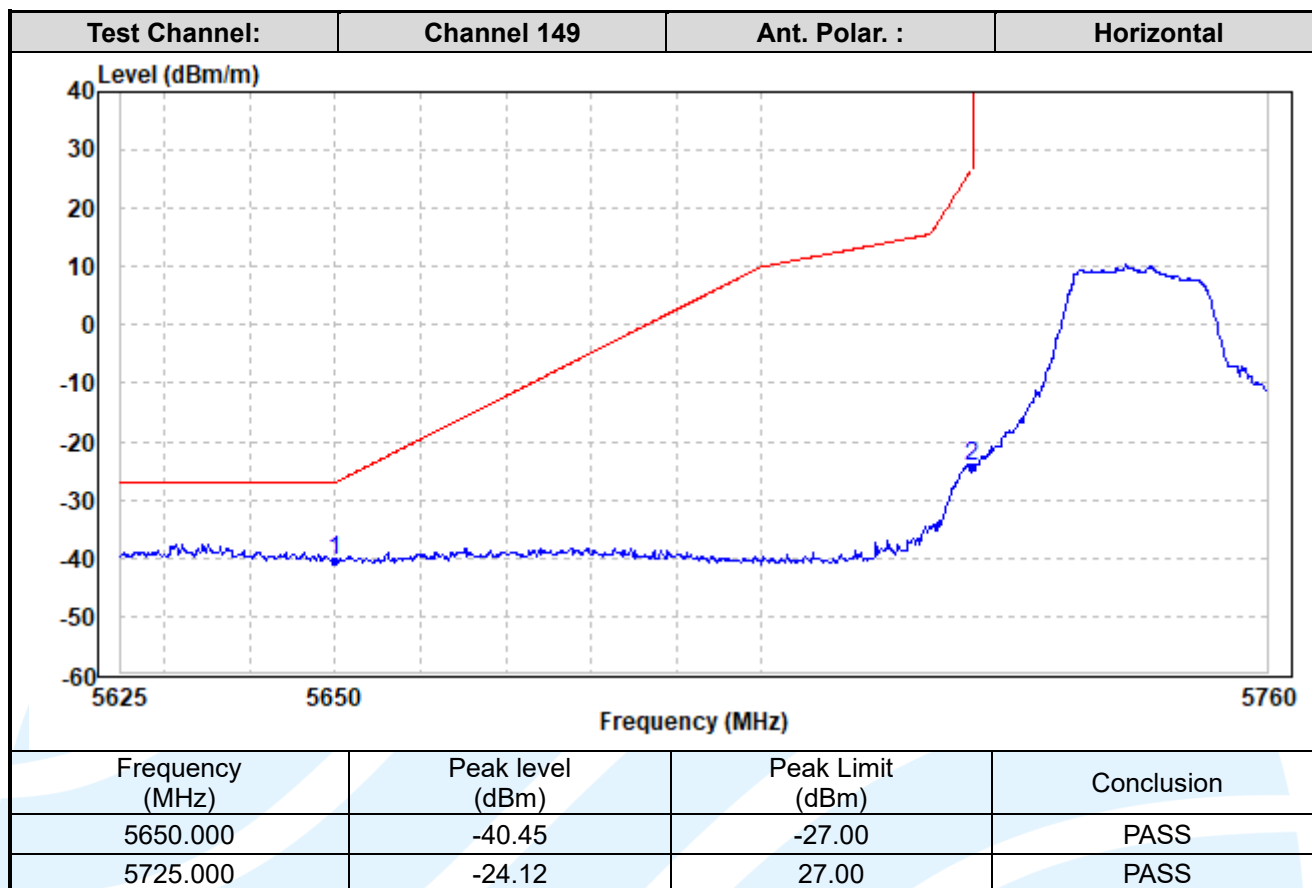
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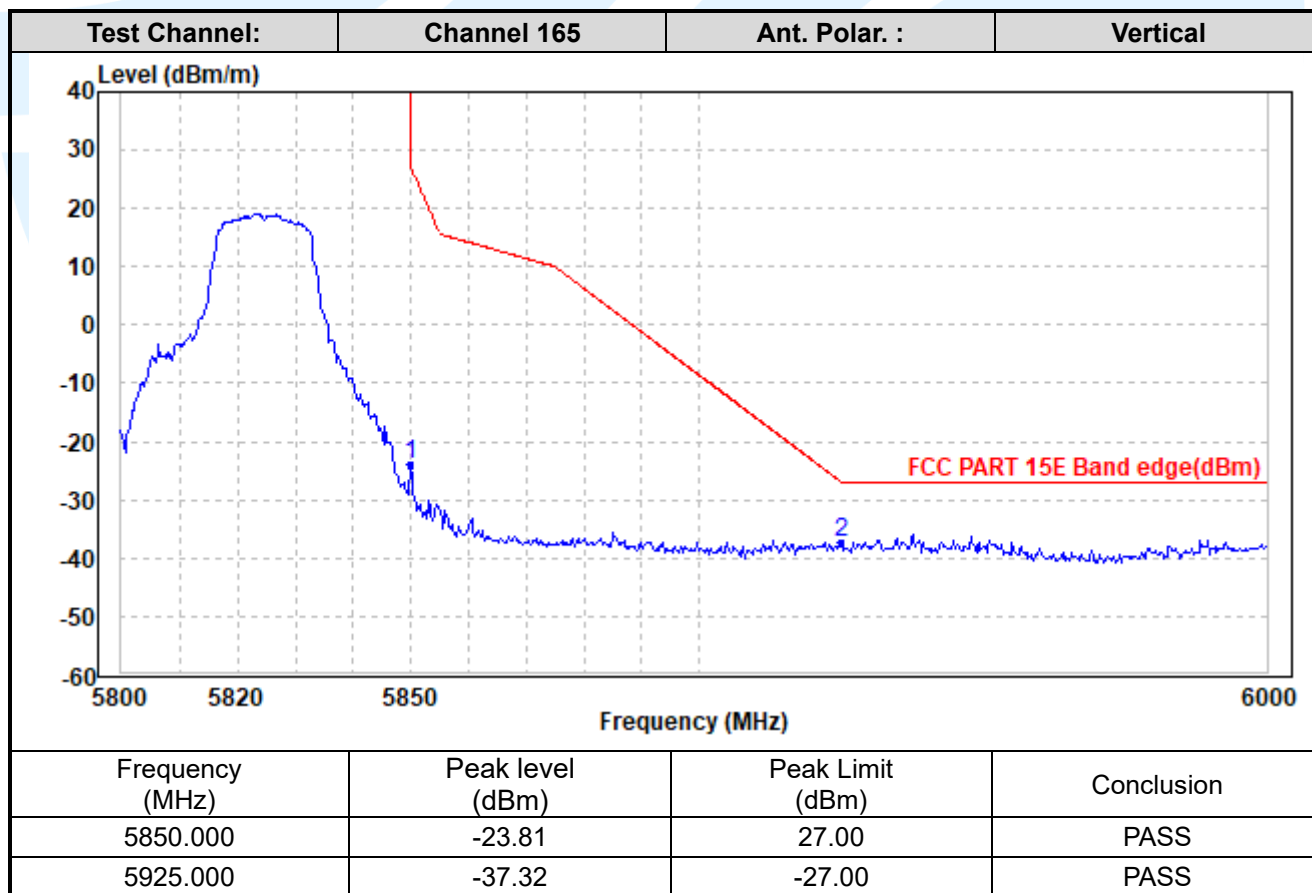
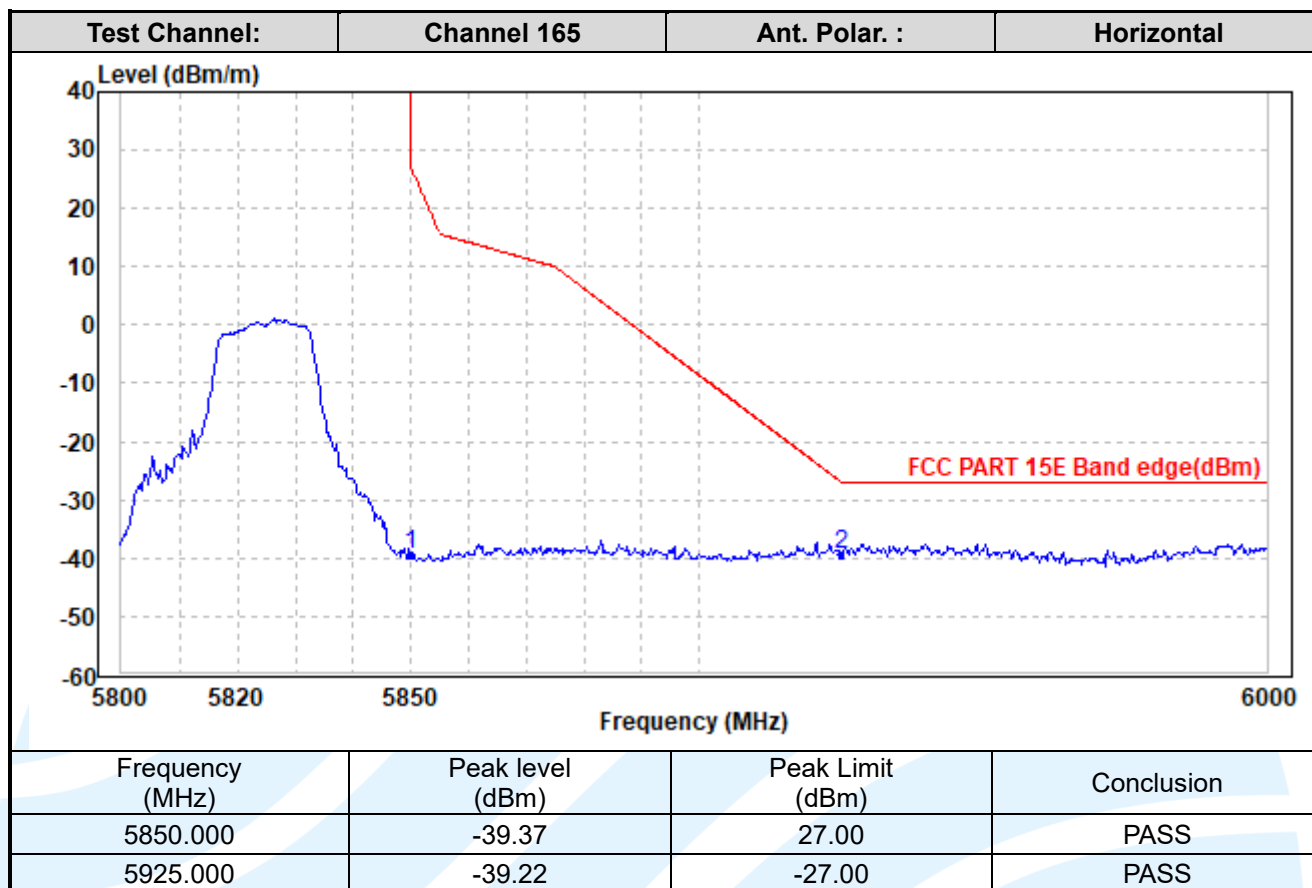
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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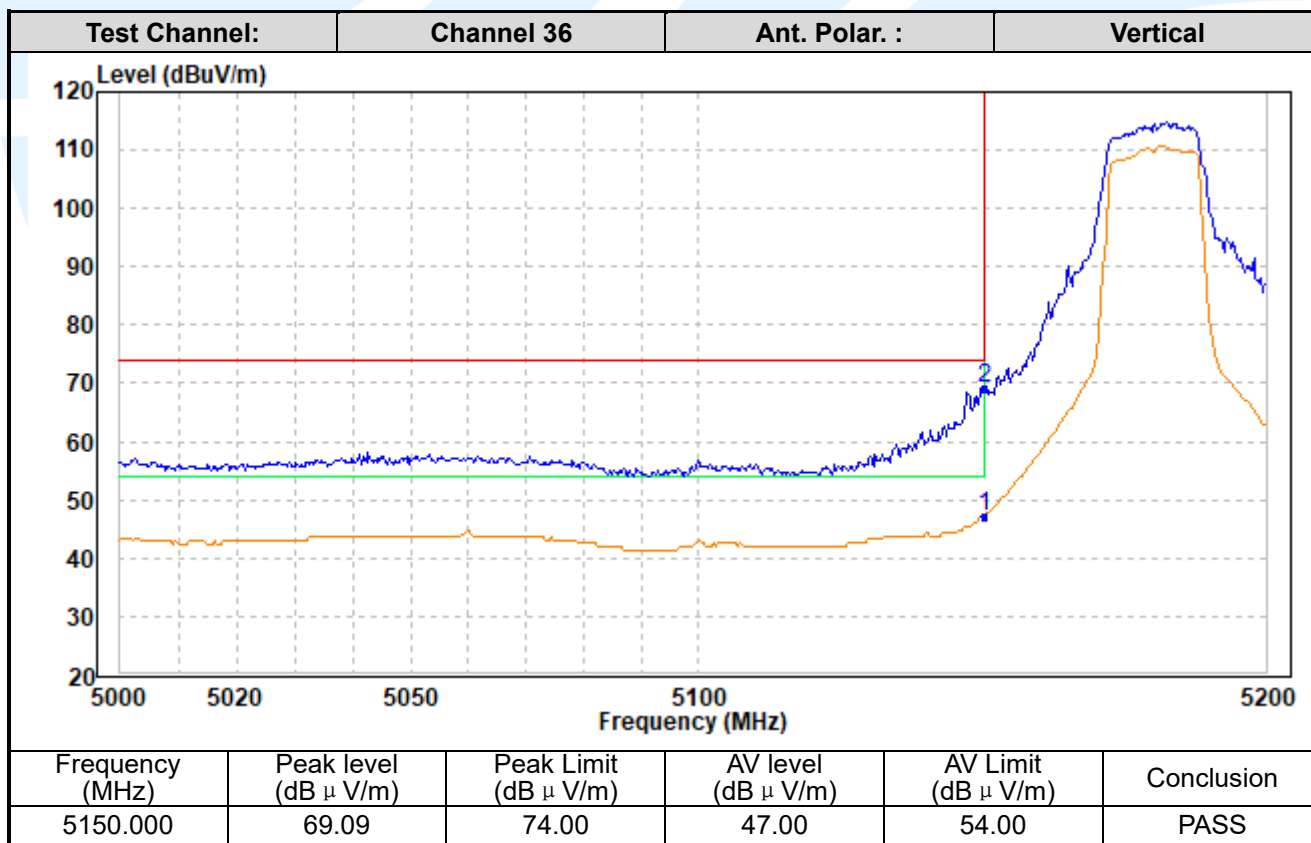
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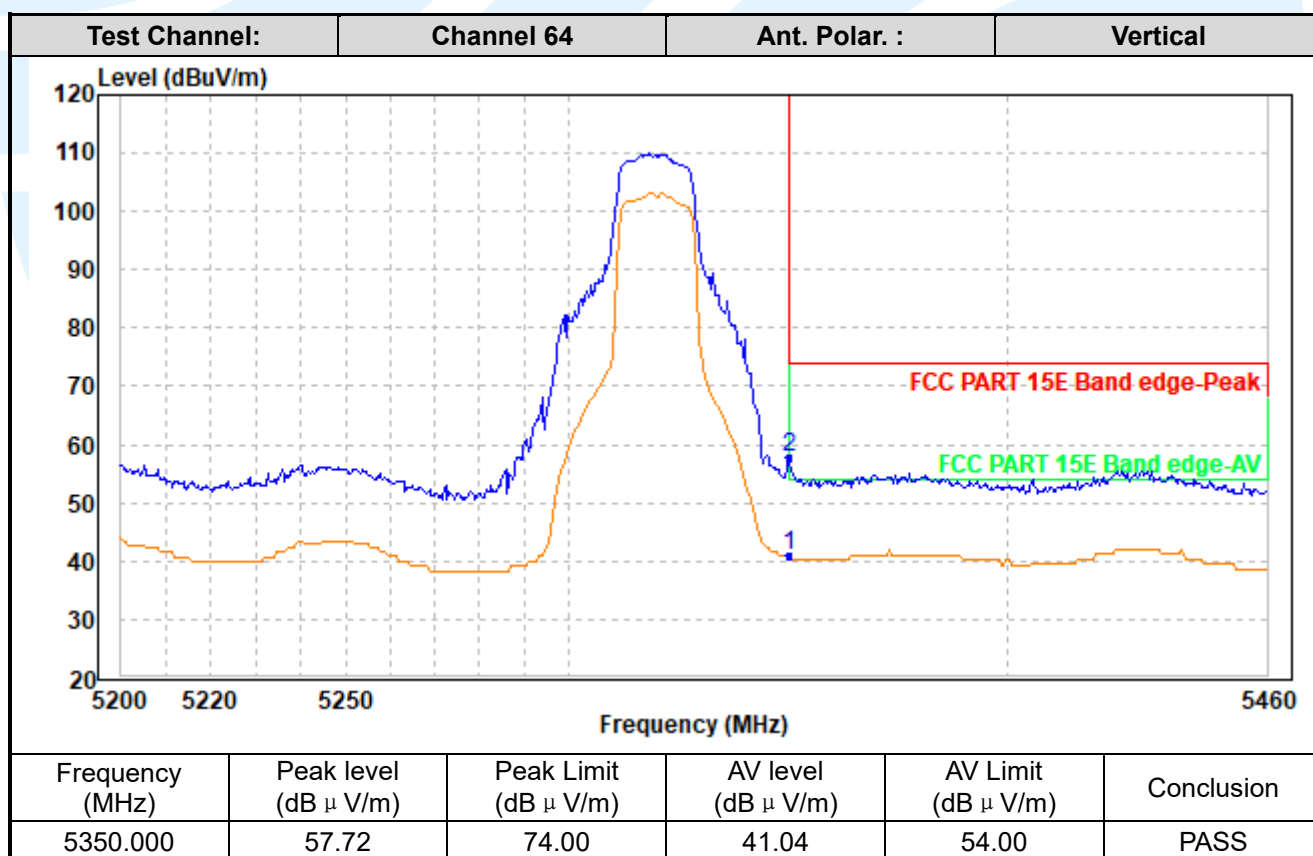
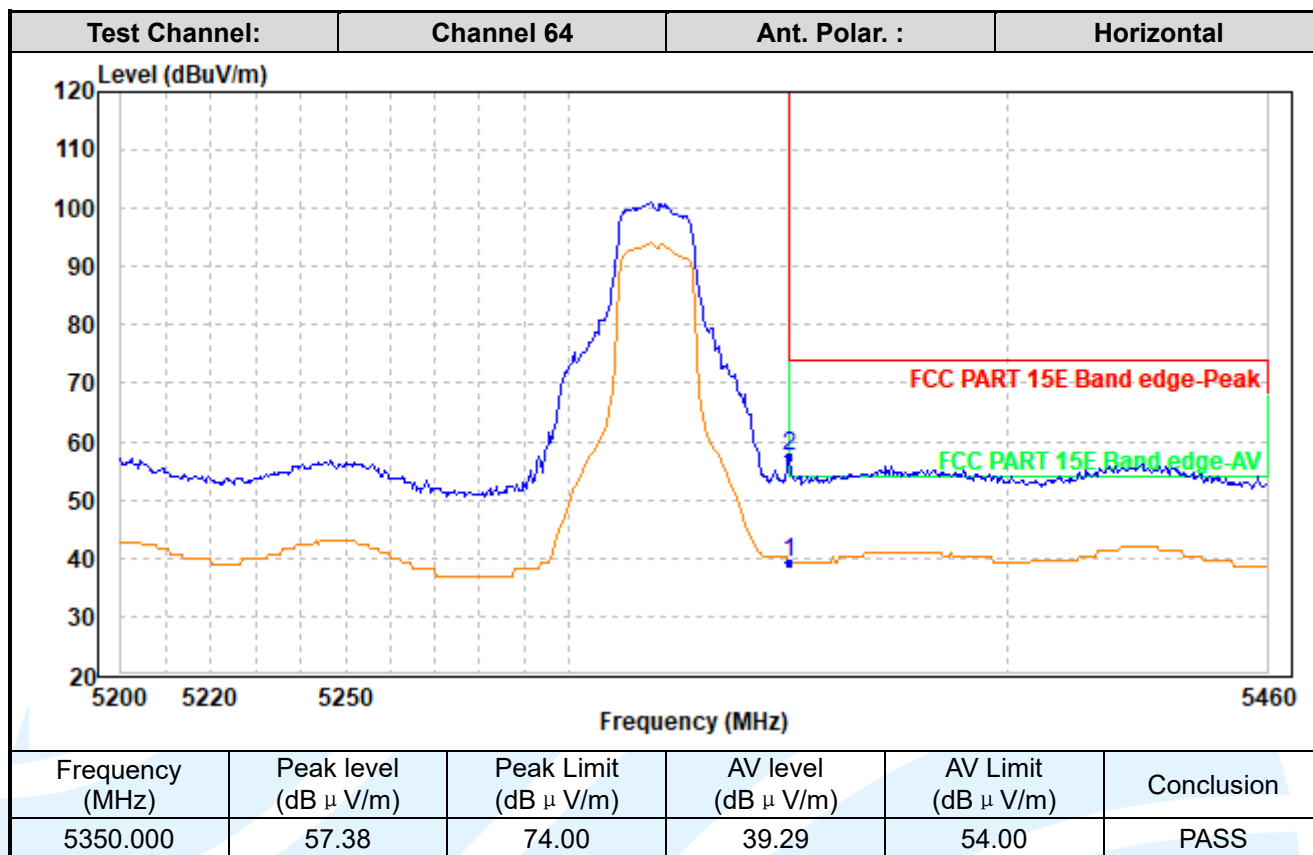
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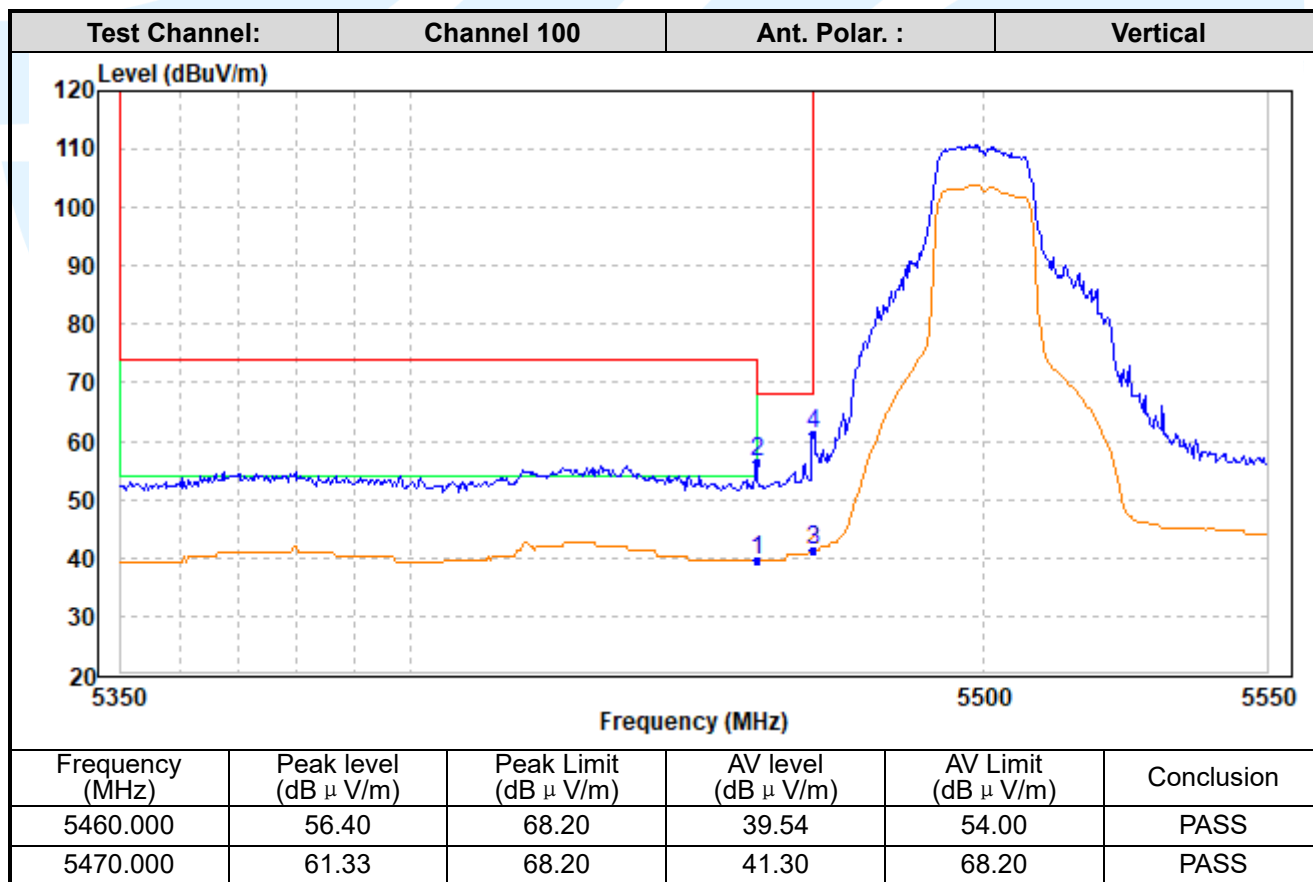
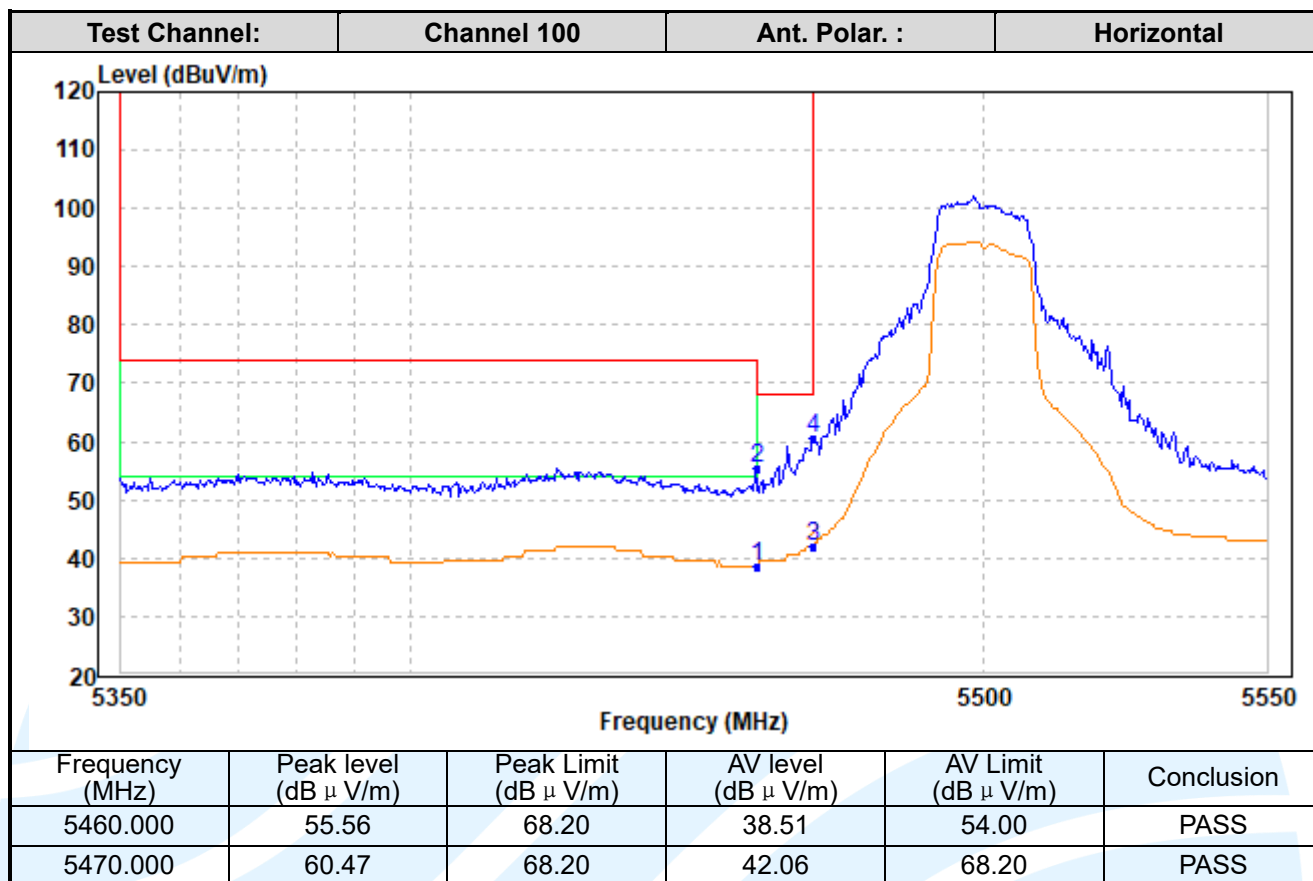
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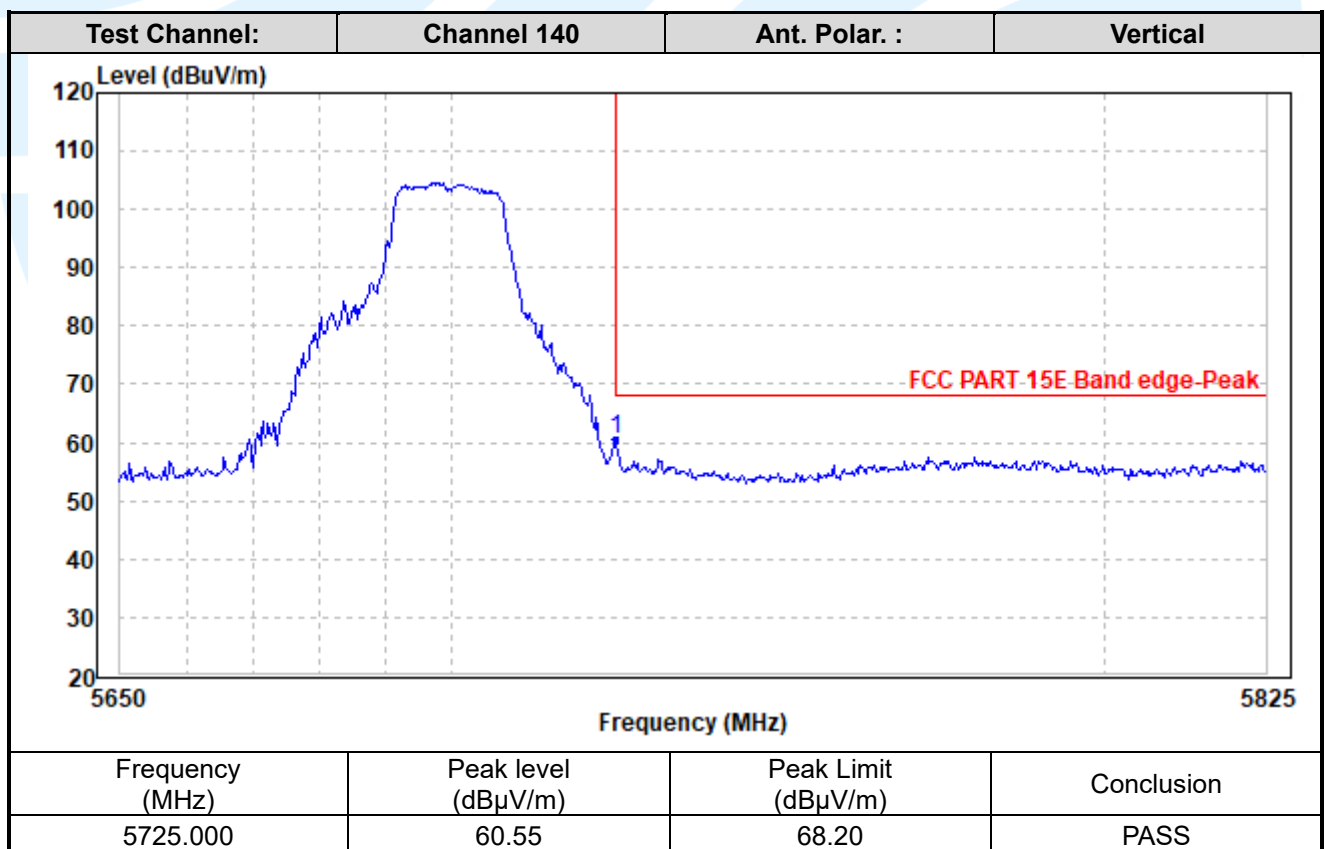
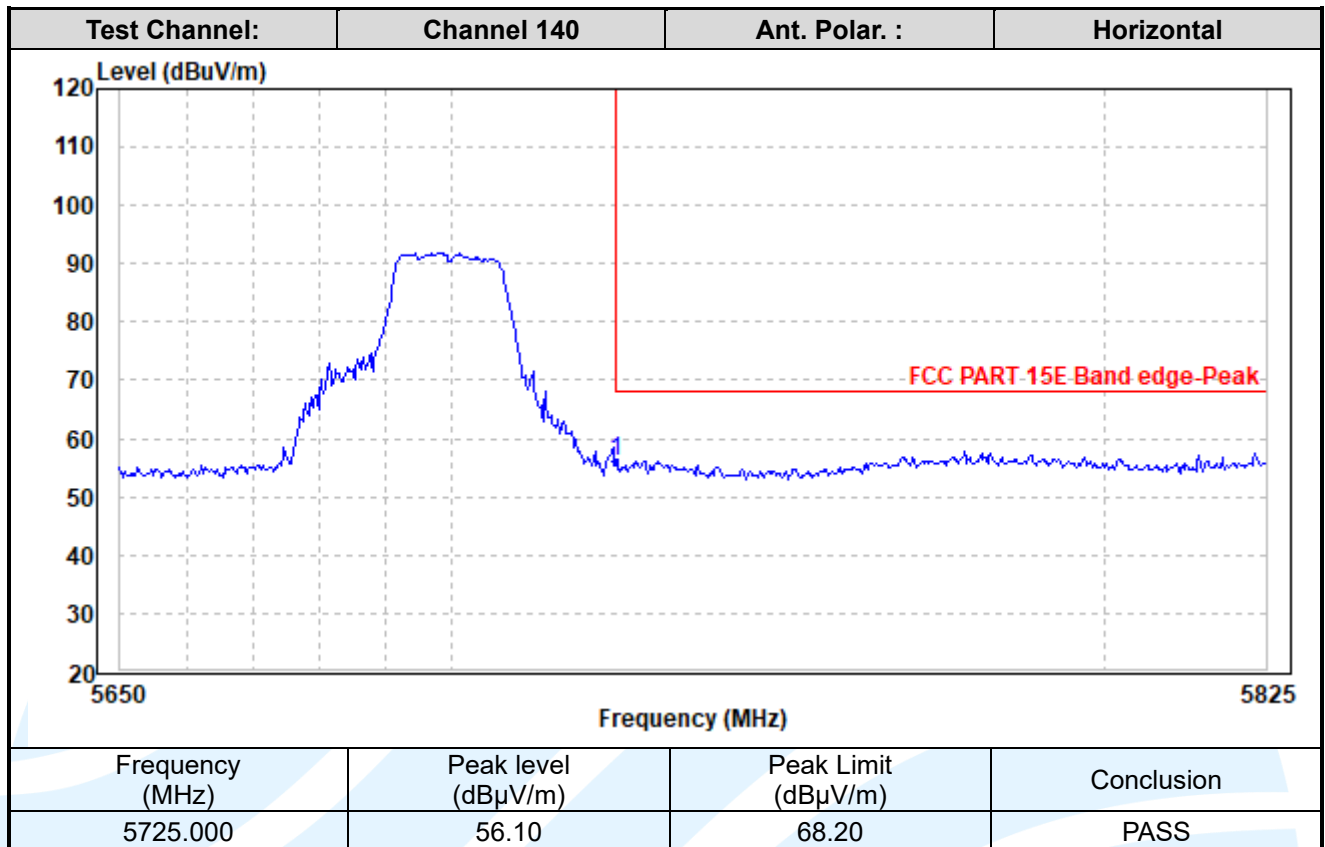
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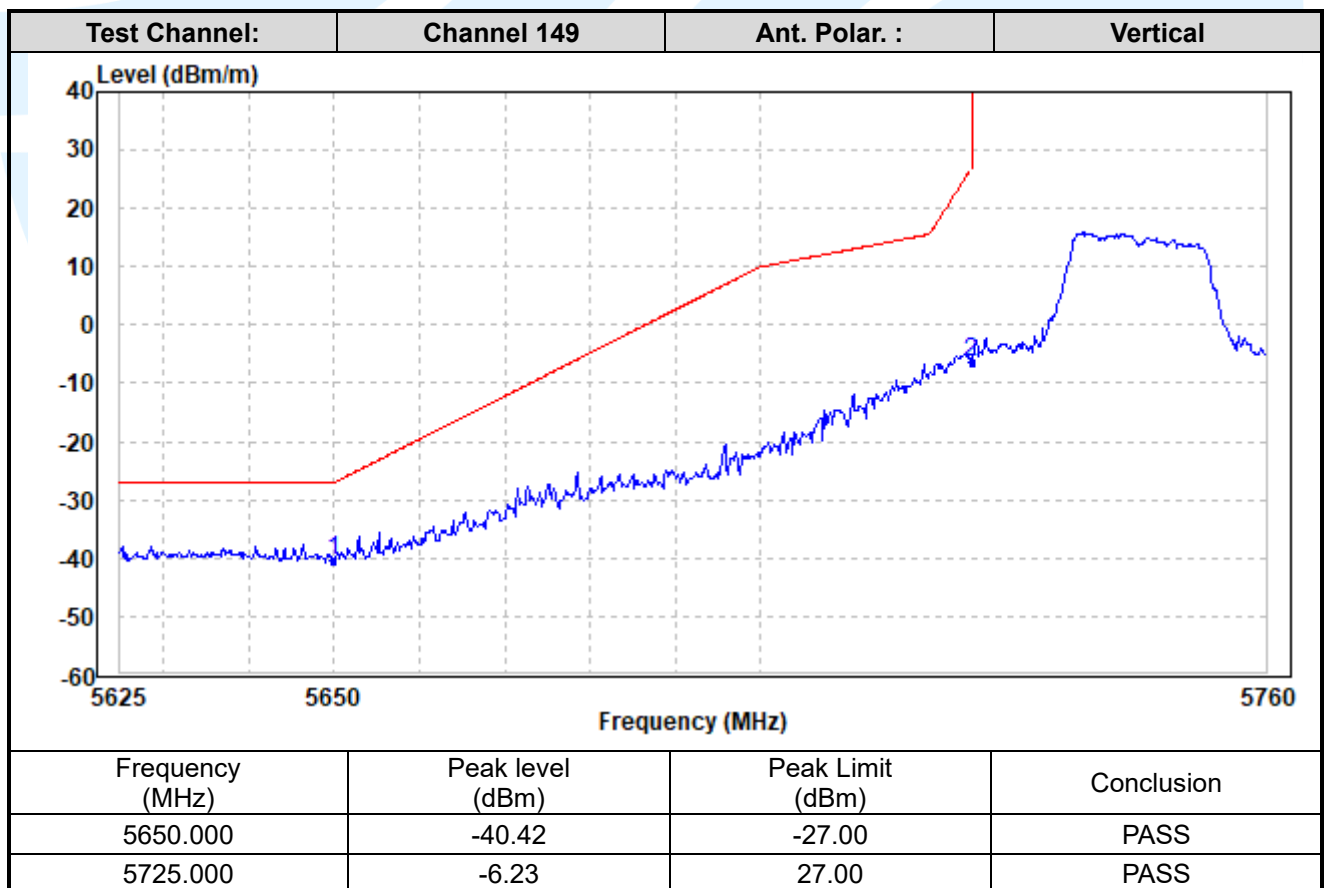
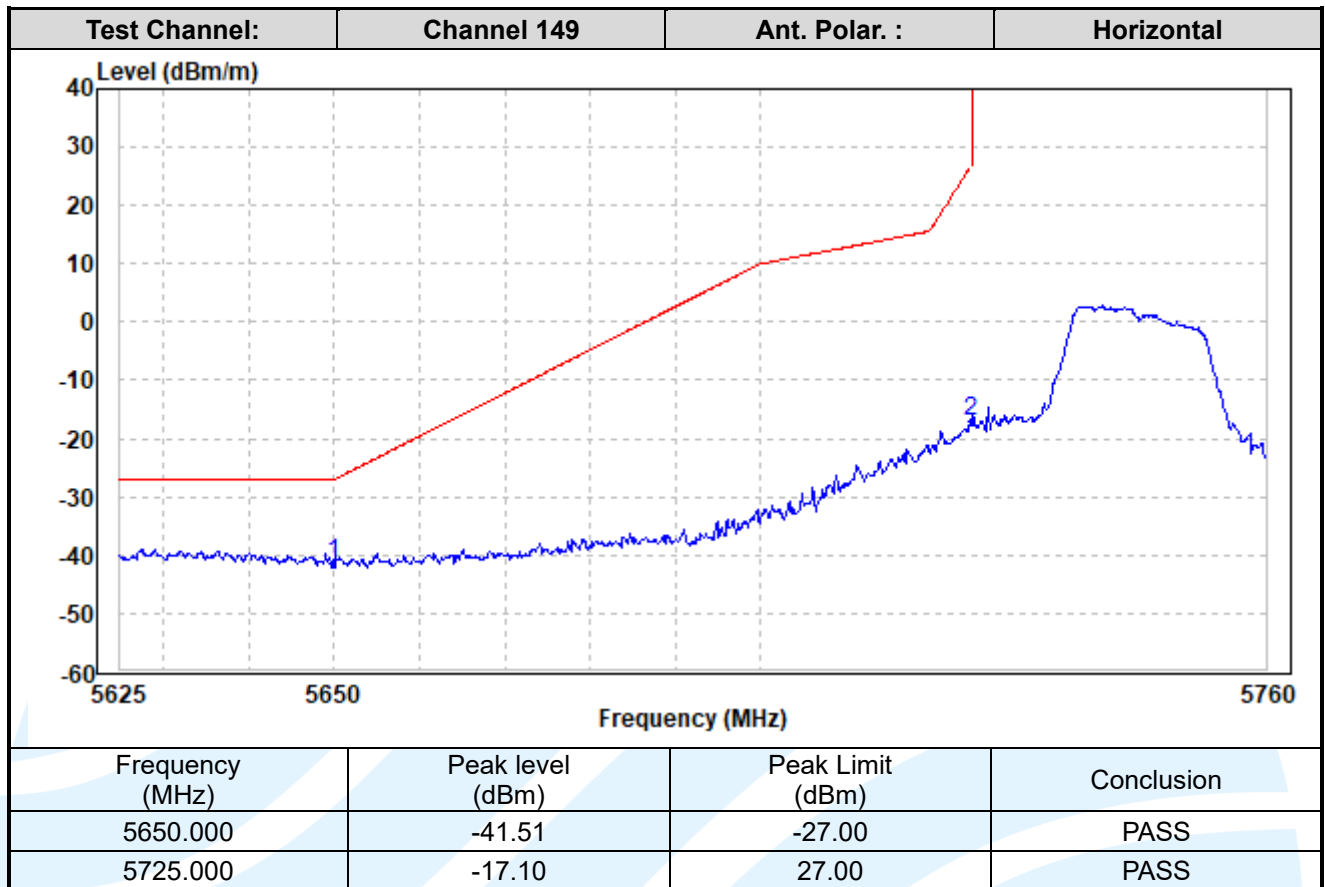
Test Channel:	Channel 36	Ant. Polar. :	Horizontal		
Frequency (MHz)	Peak level (dB μ V/m)	Peak Limit (dB μ V/m)	AV level (dB μ V/m)	AV Limit (dB μ V/m)	Conclusion
5150.000	70.01	74.00	48.71	54.00	PASS











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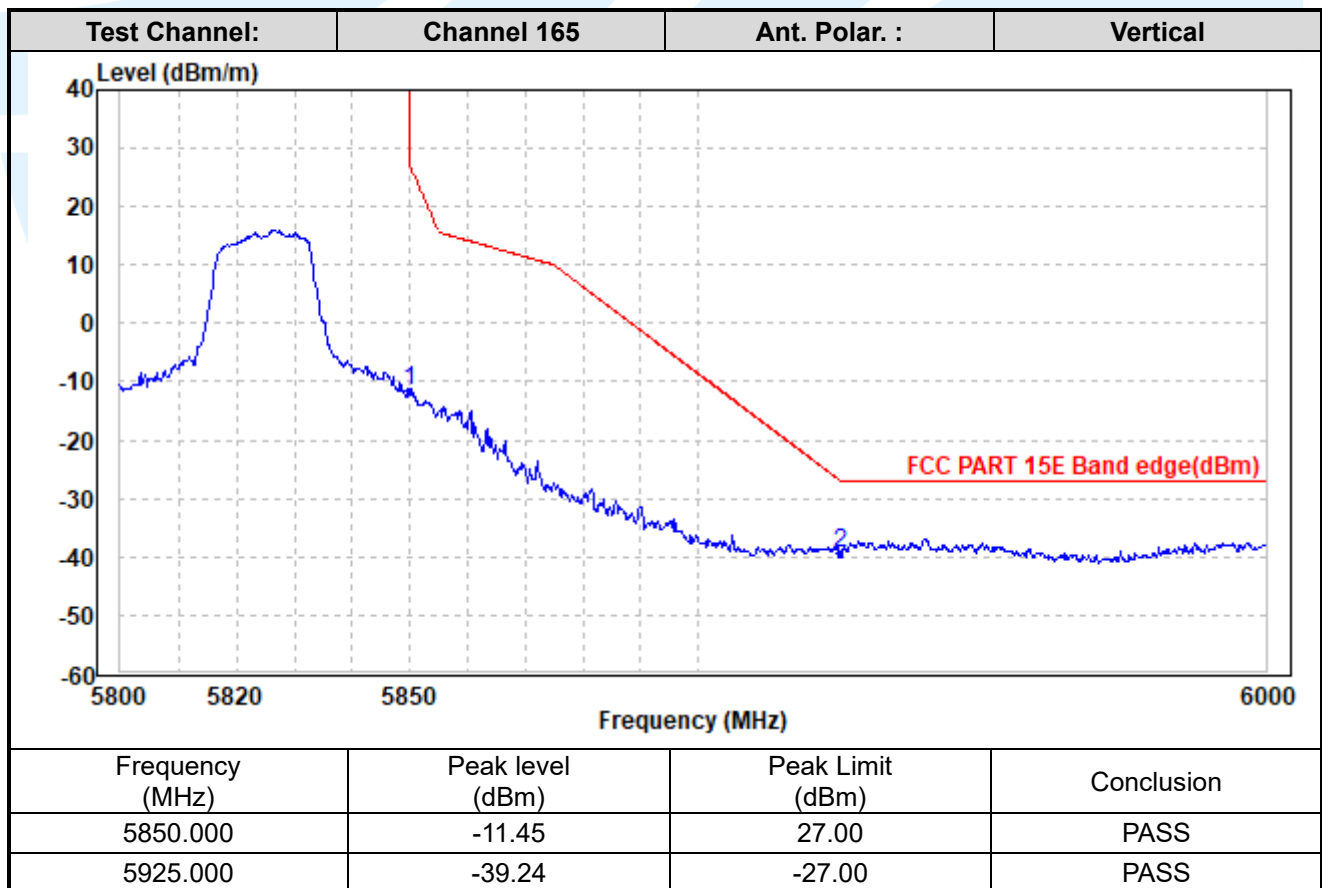
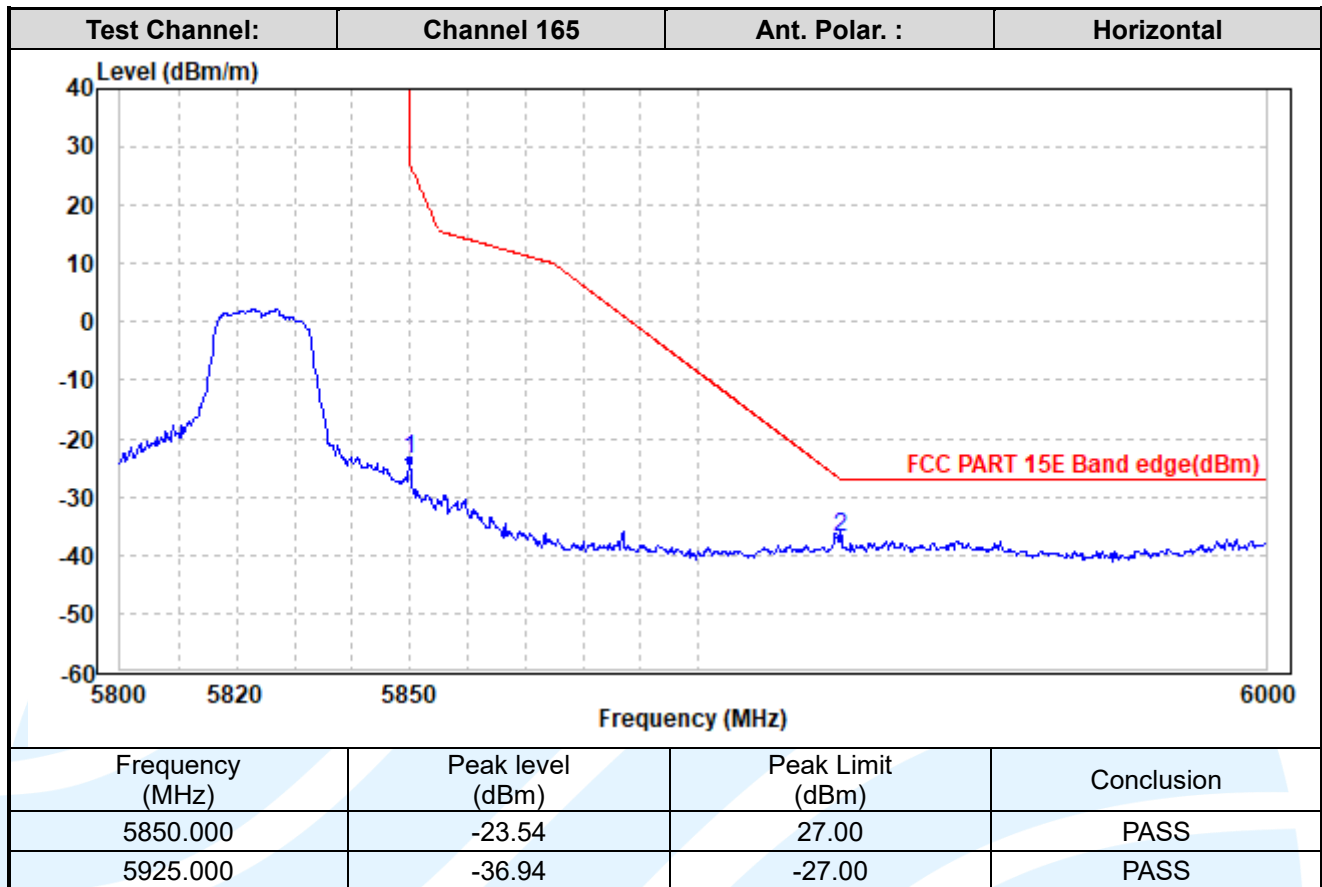
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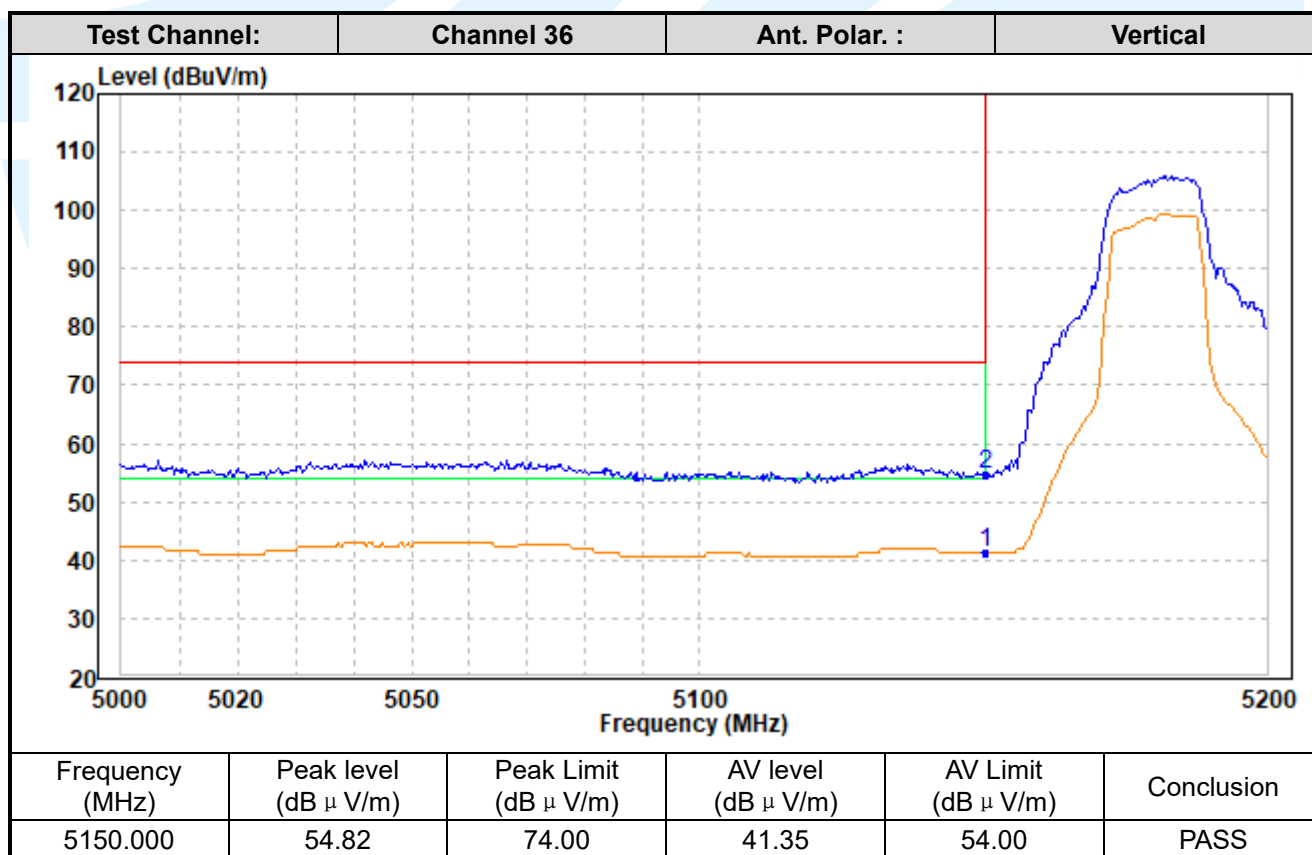
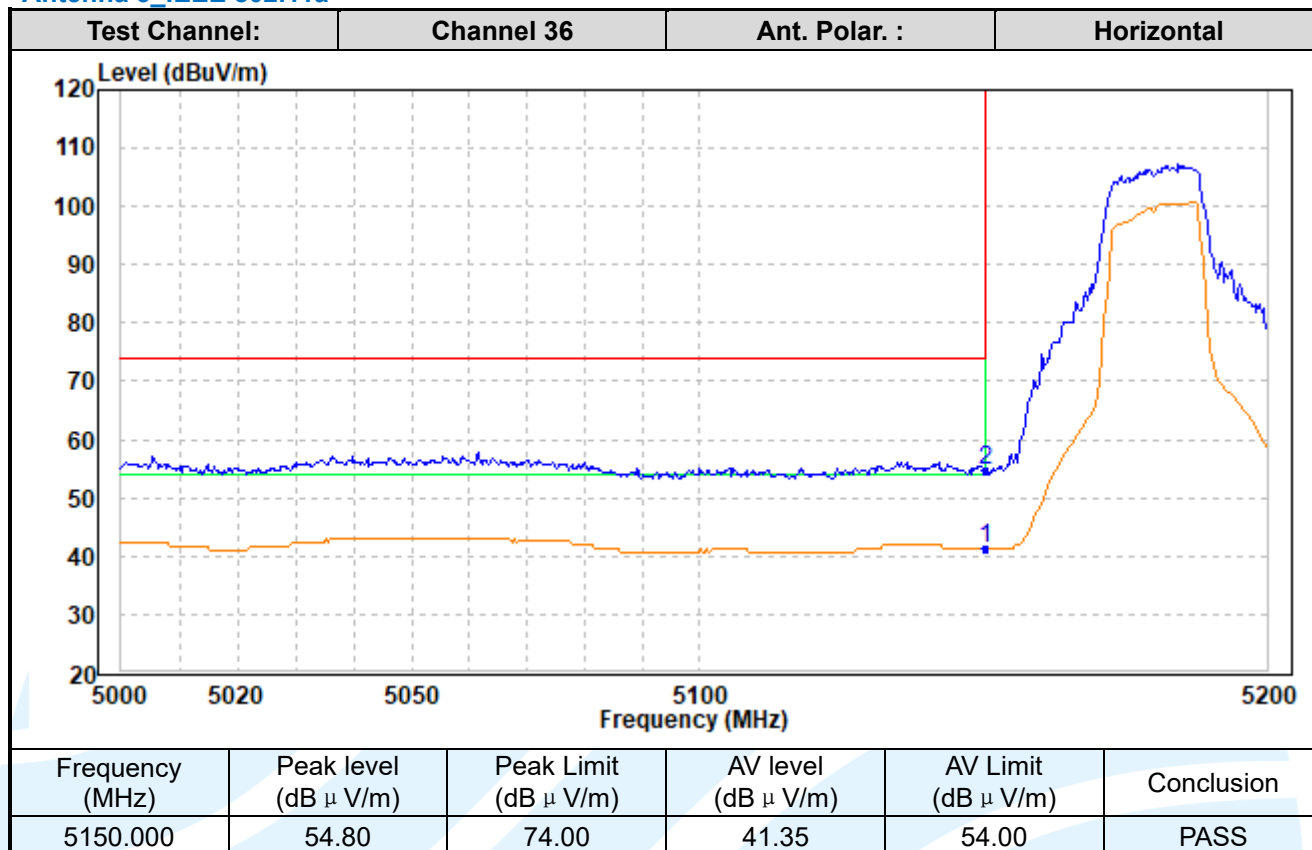
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Antenna 3_ IEEE 802.11a



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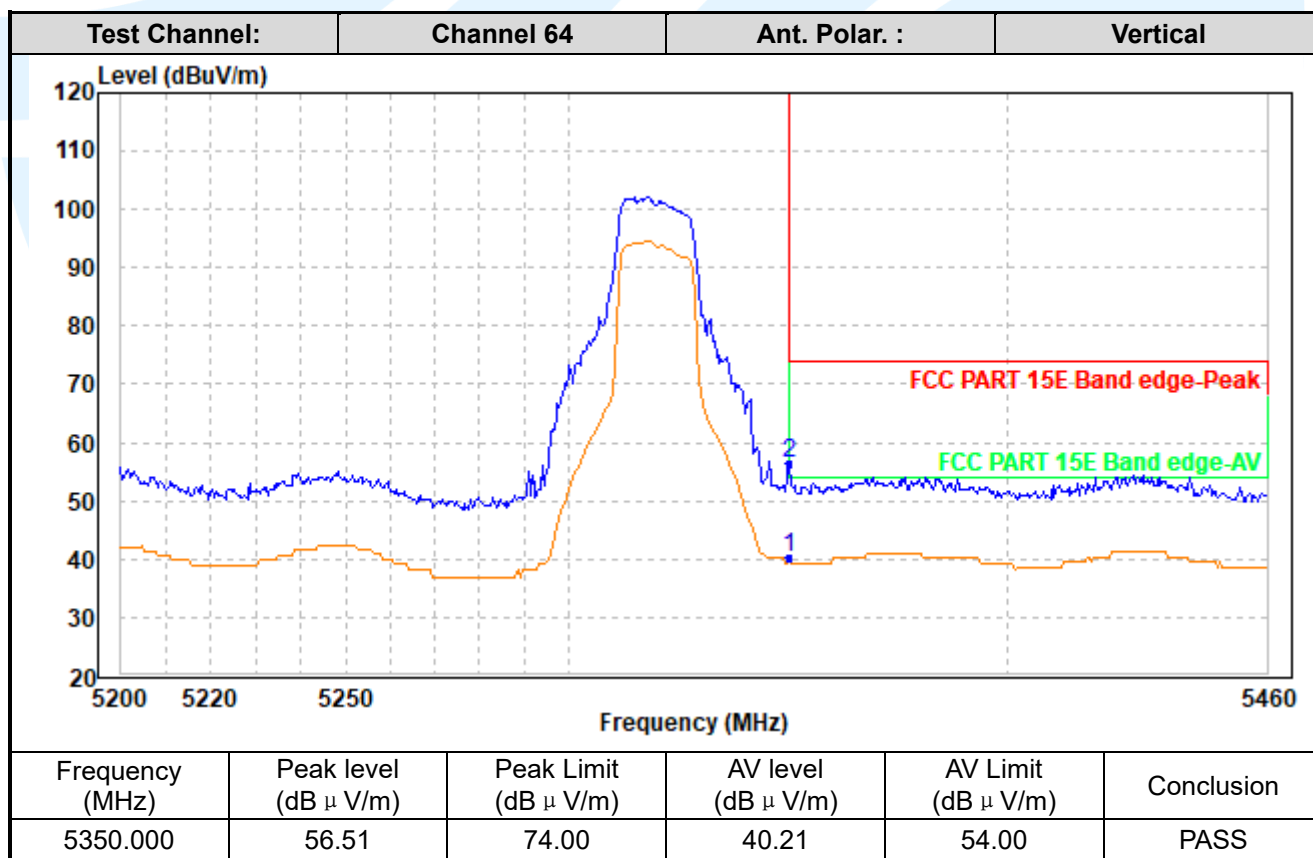
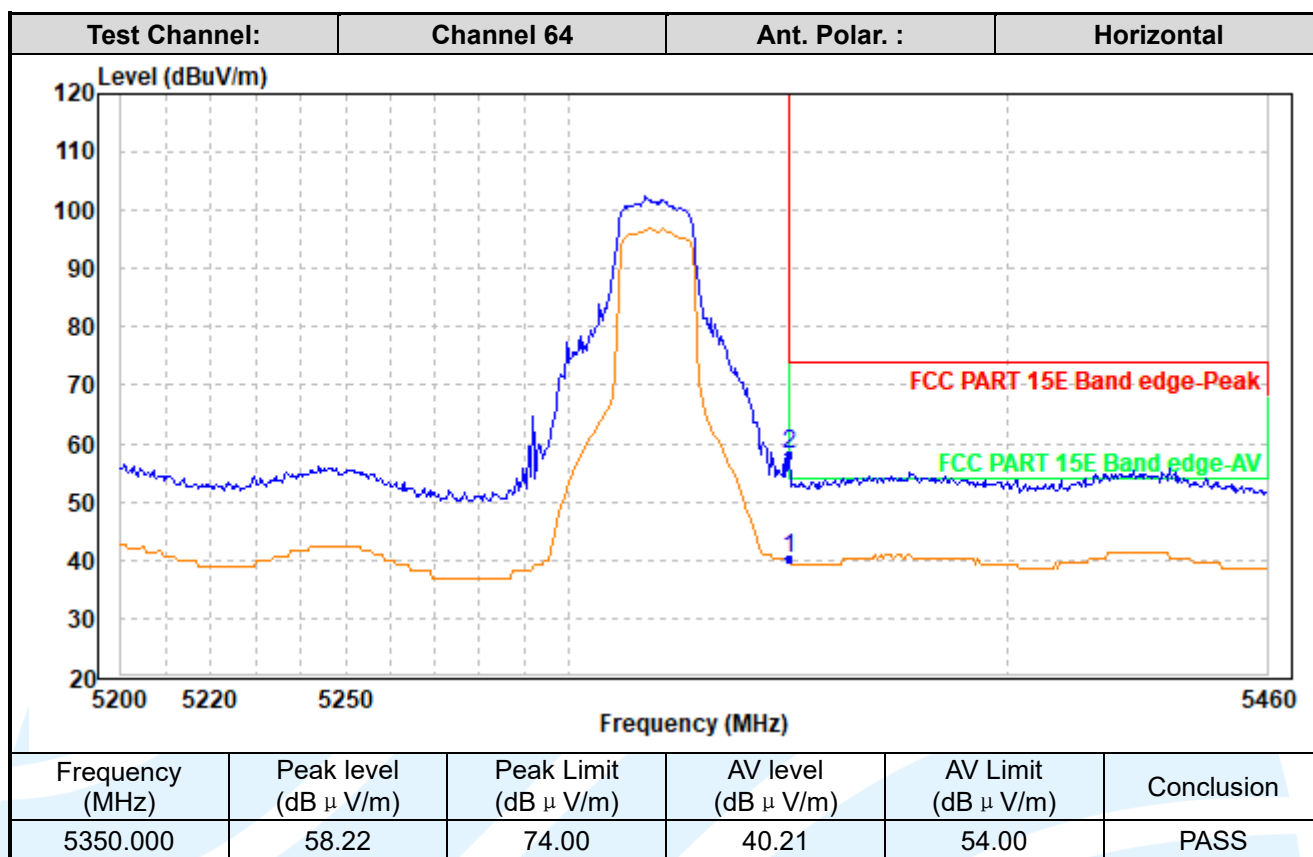
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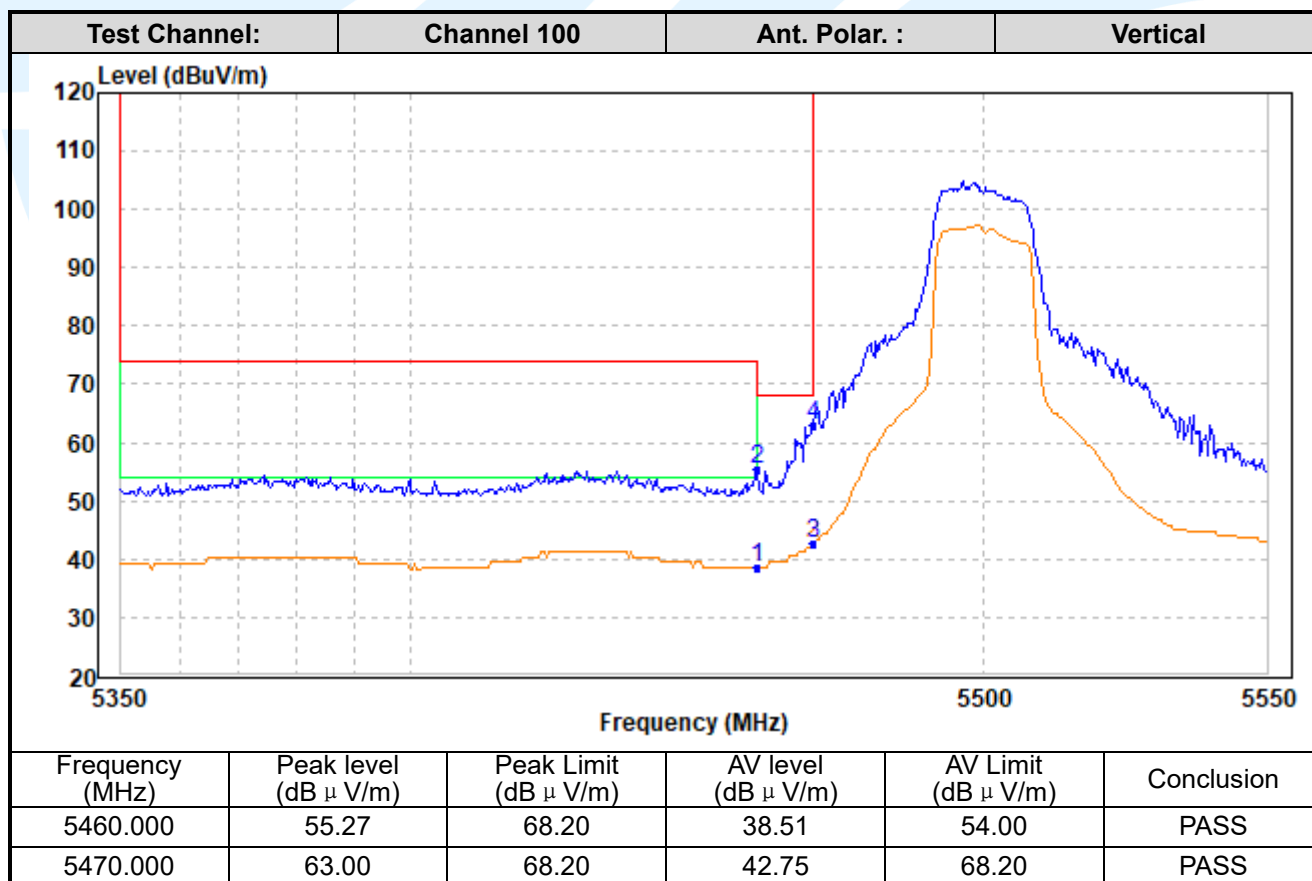
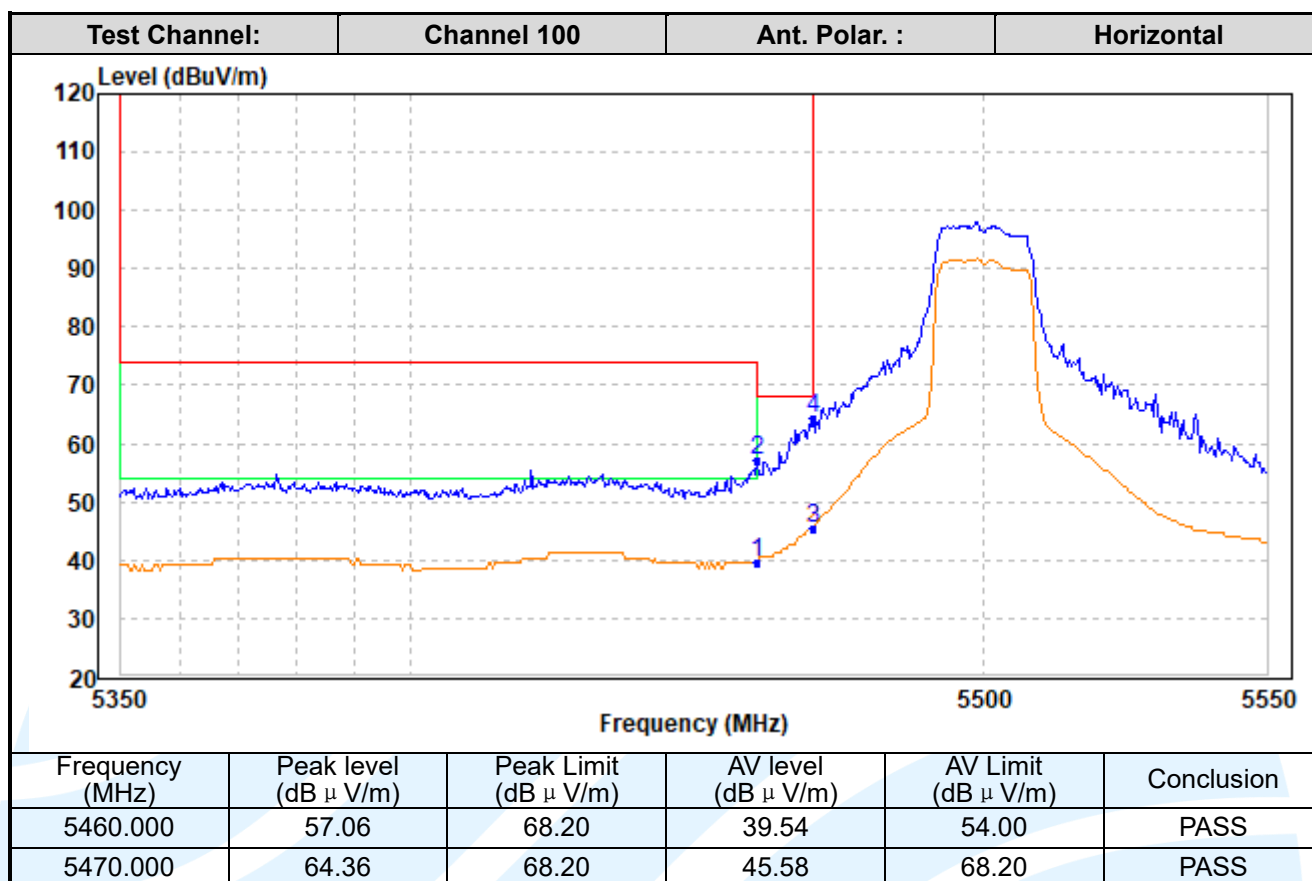
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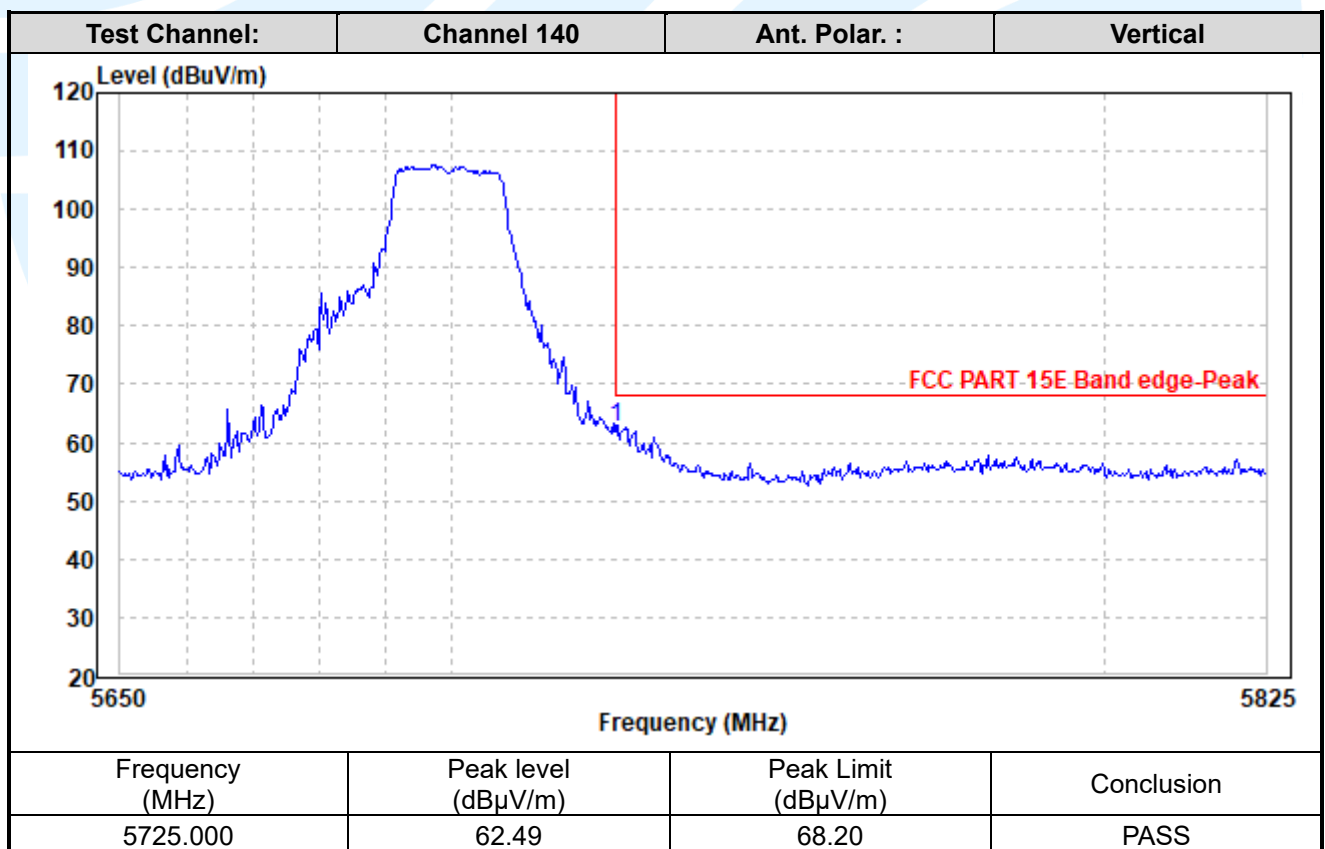
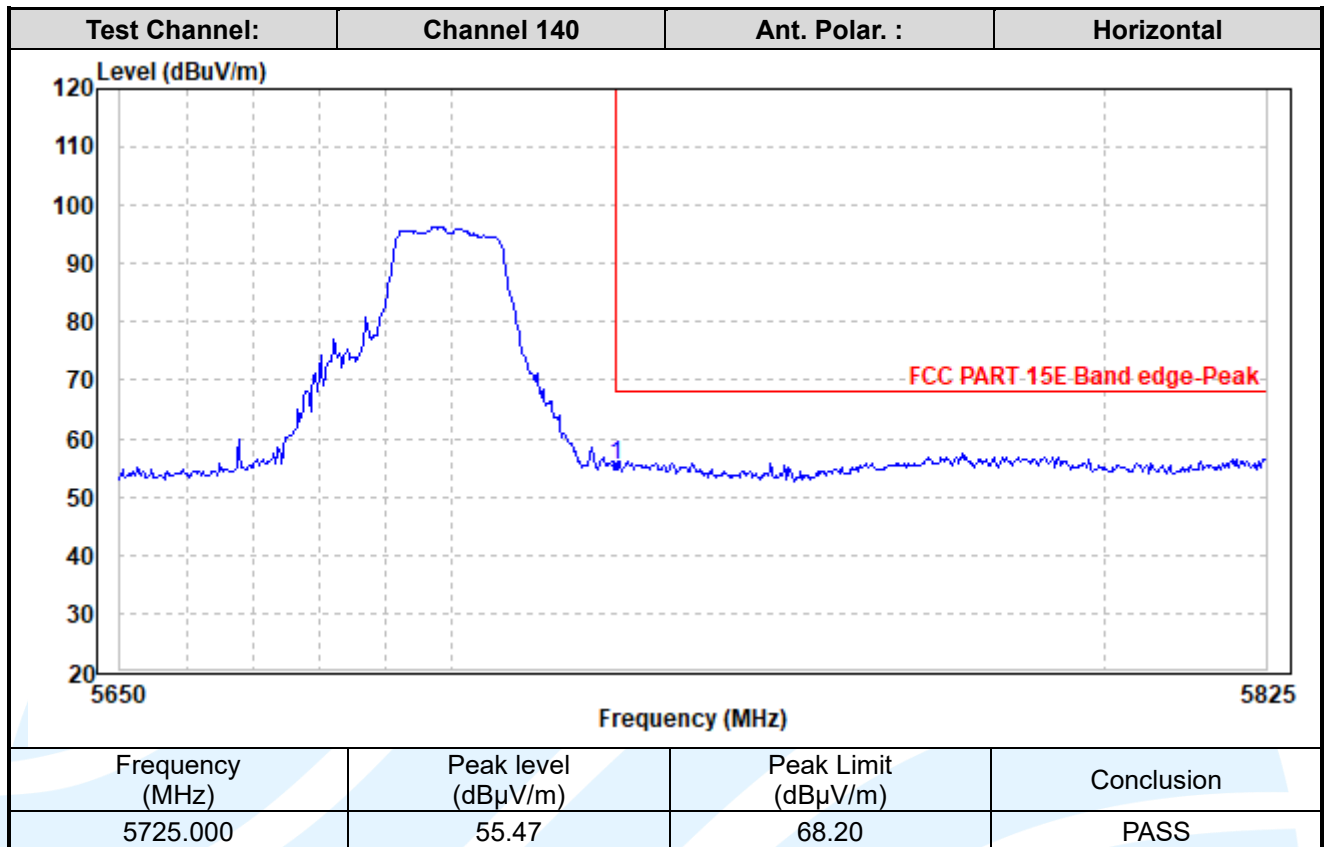
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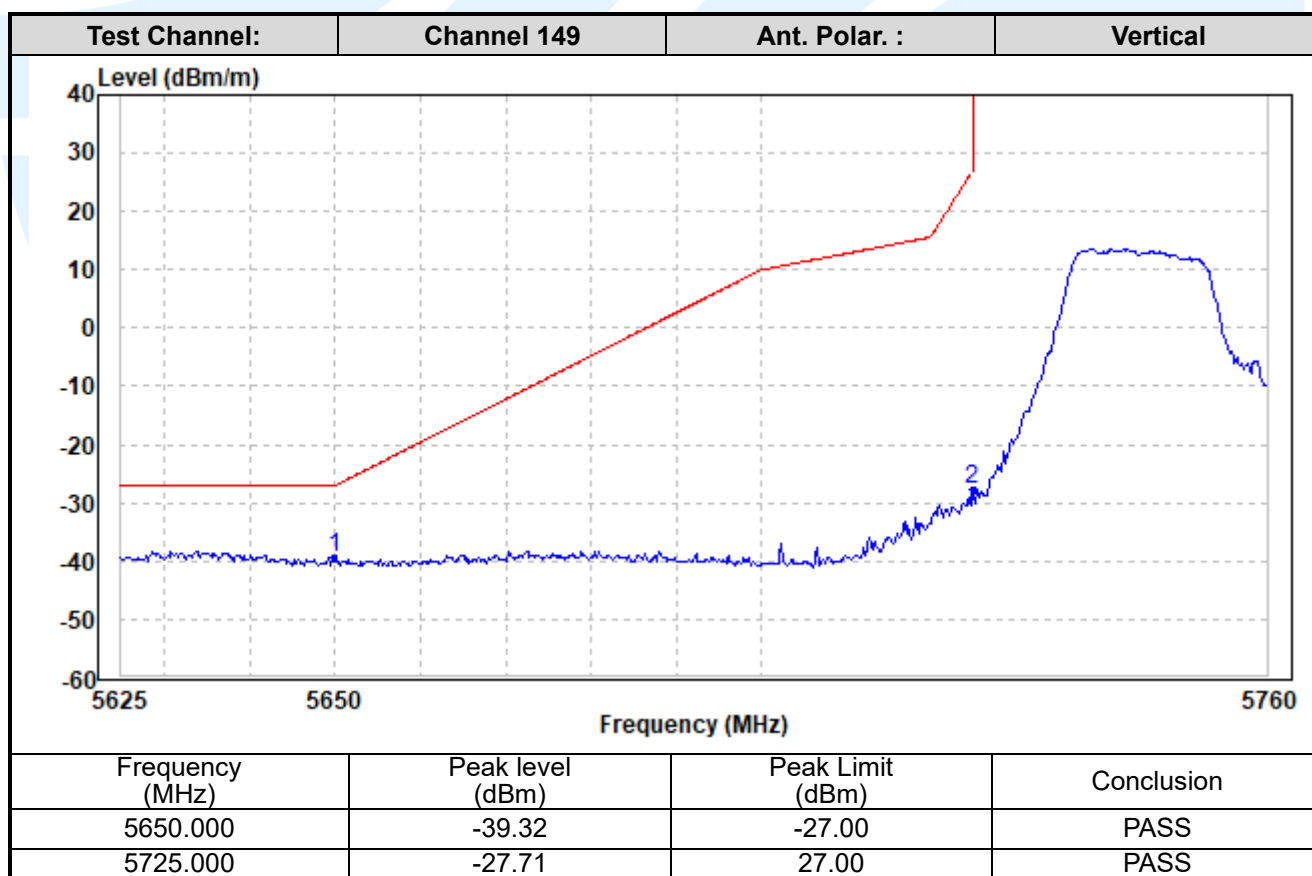
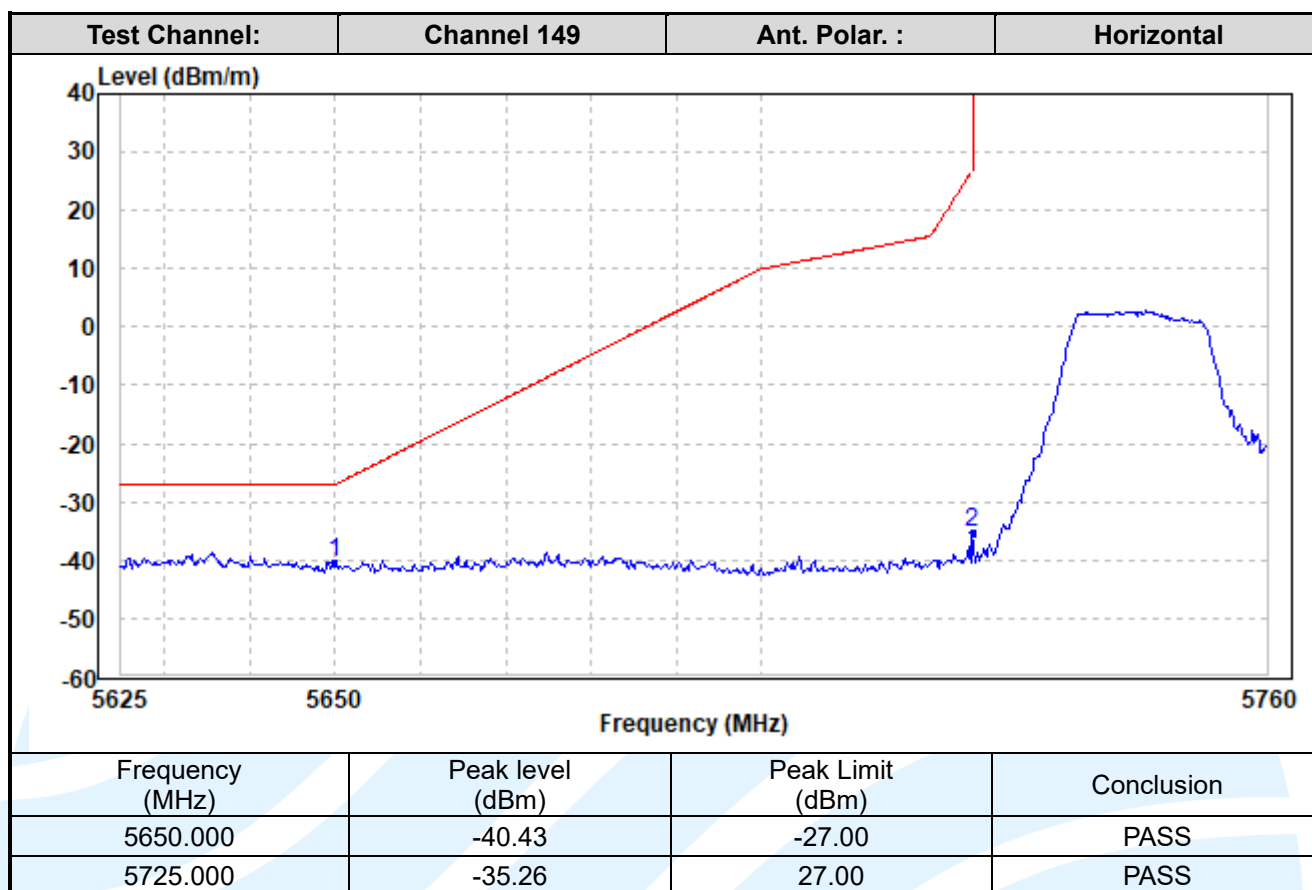
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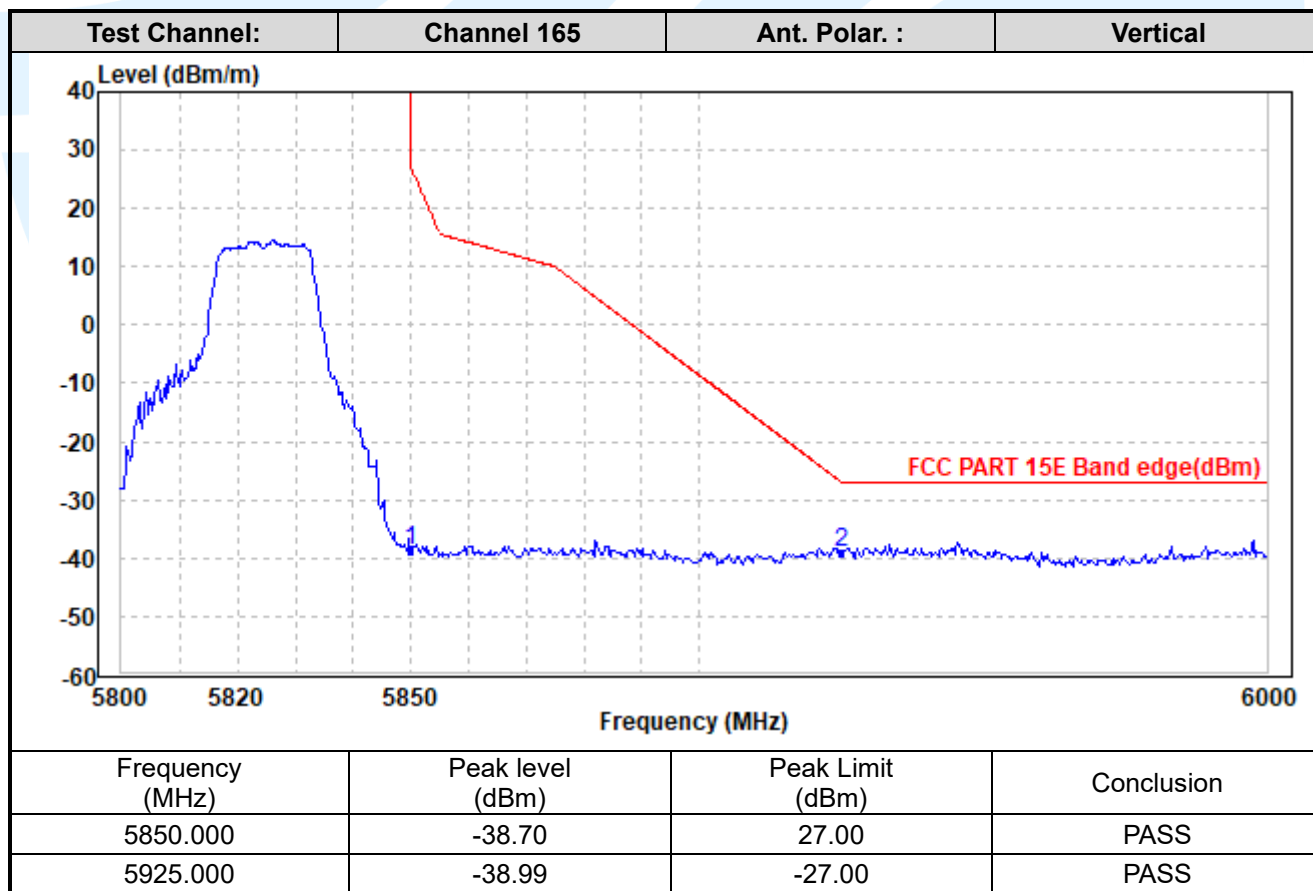
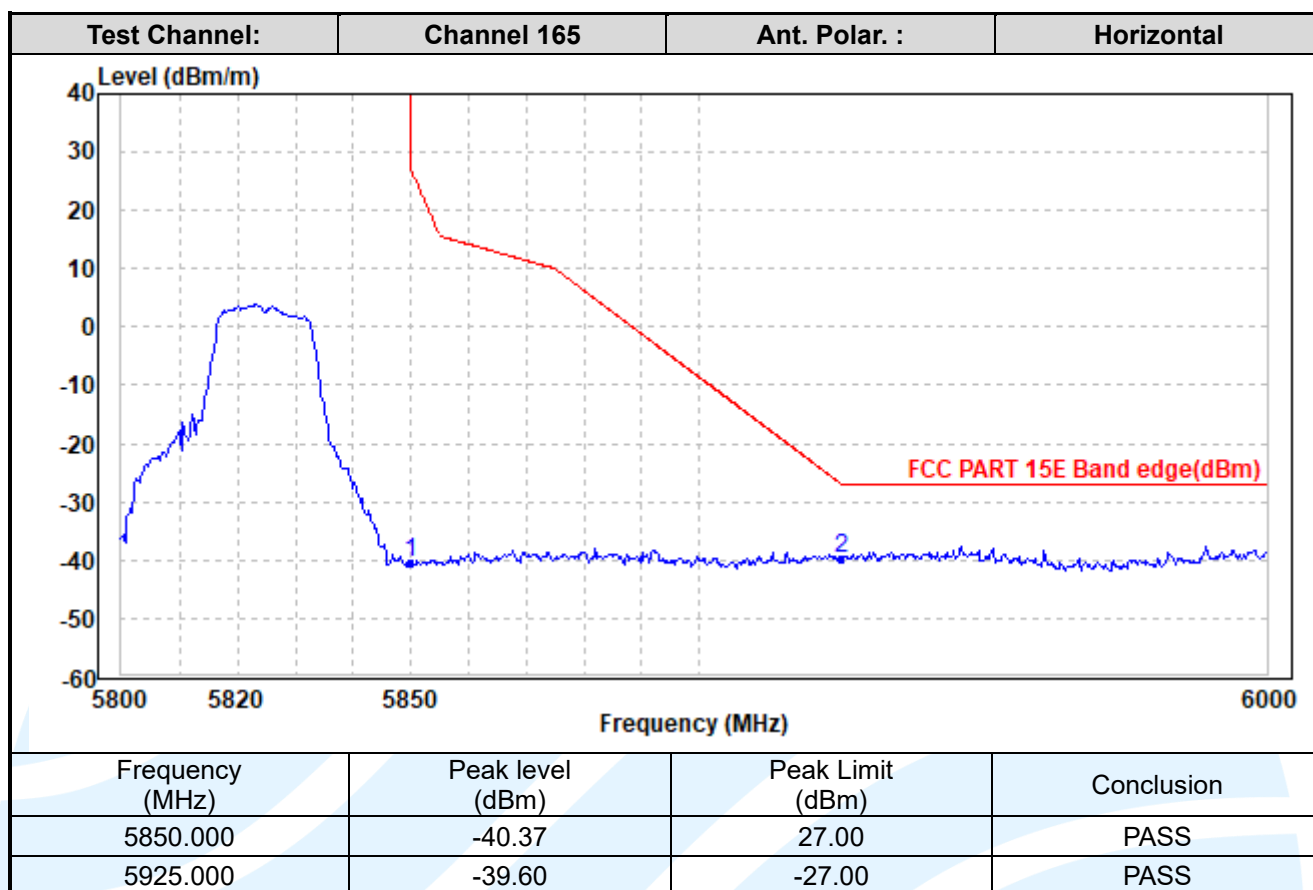
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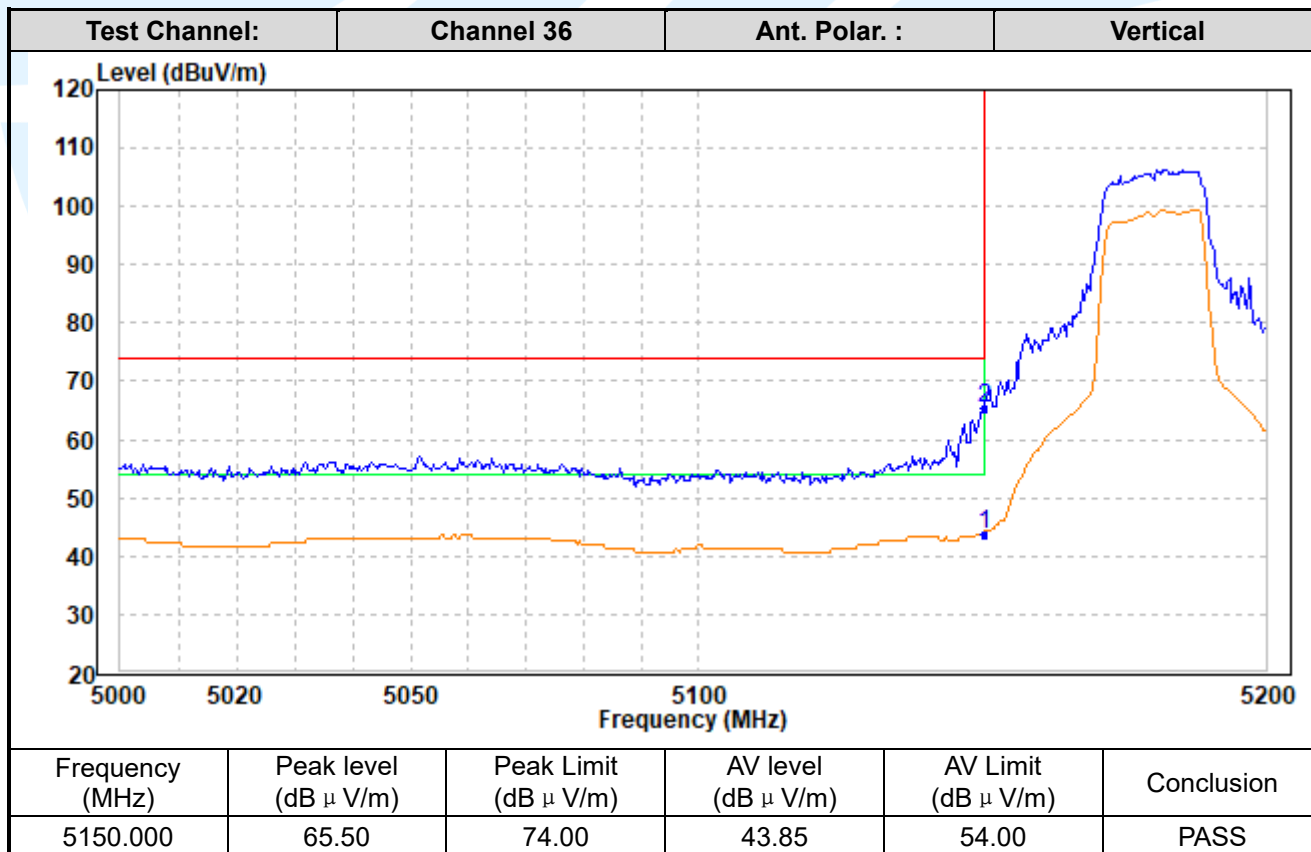
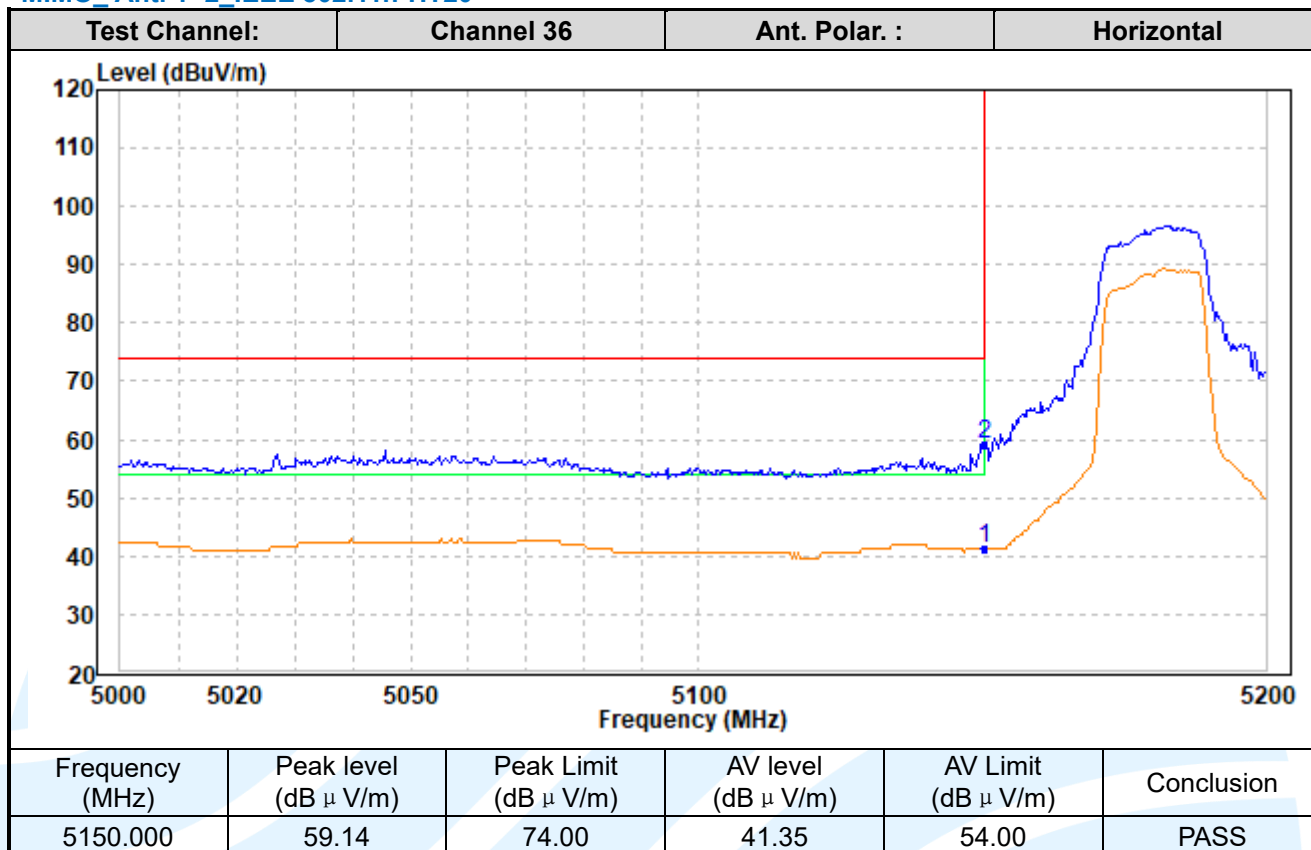
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MIMO_Ant. 1+2_ IEEE 802.11n-HT20



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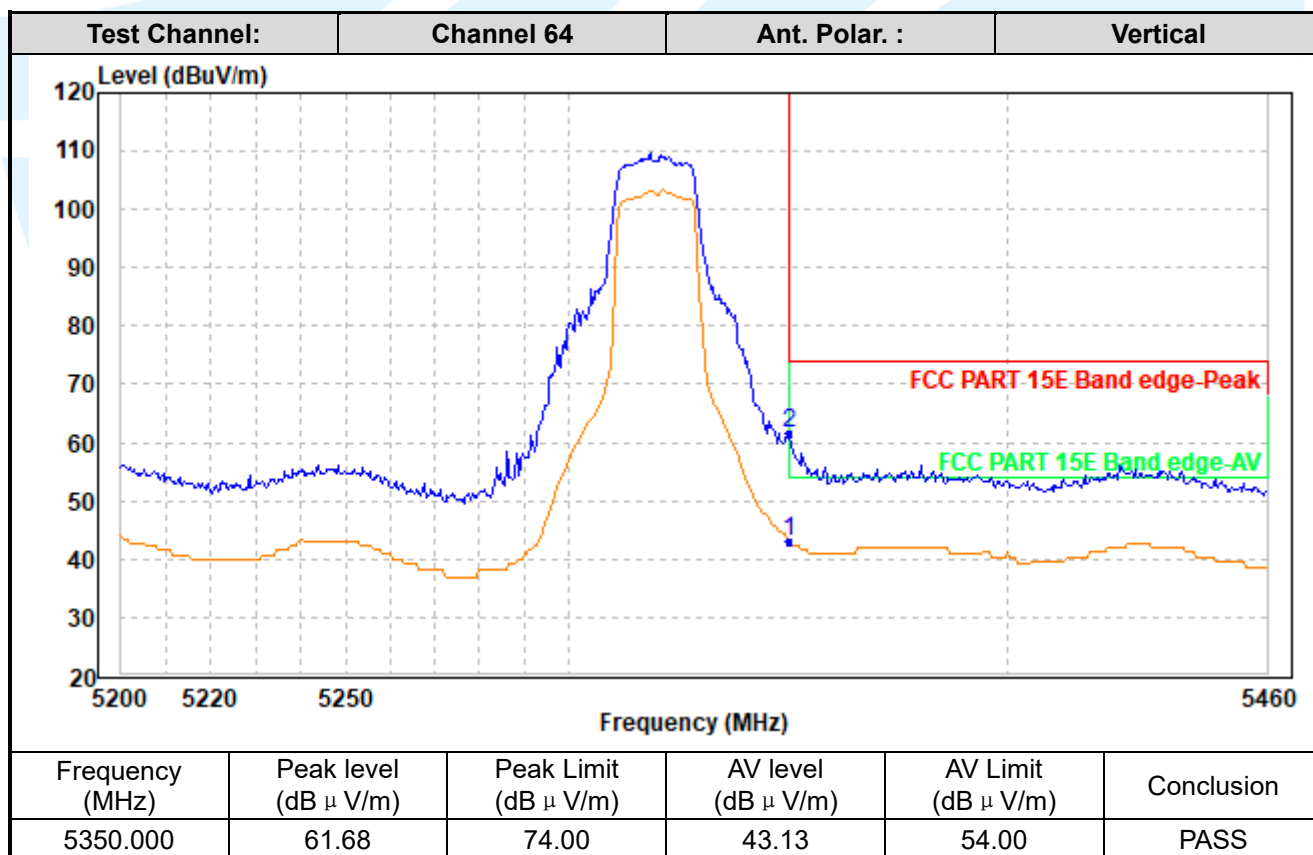
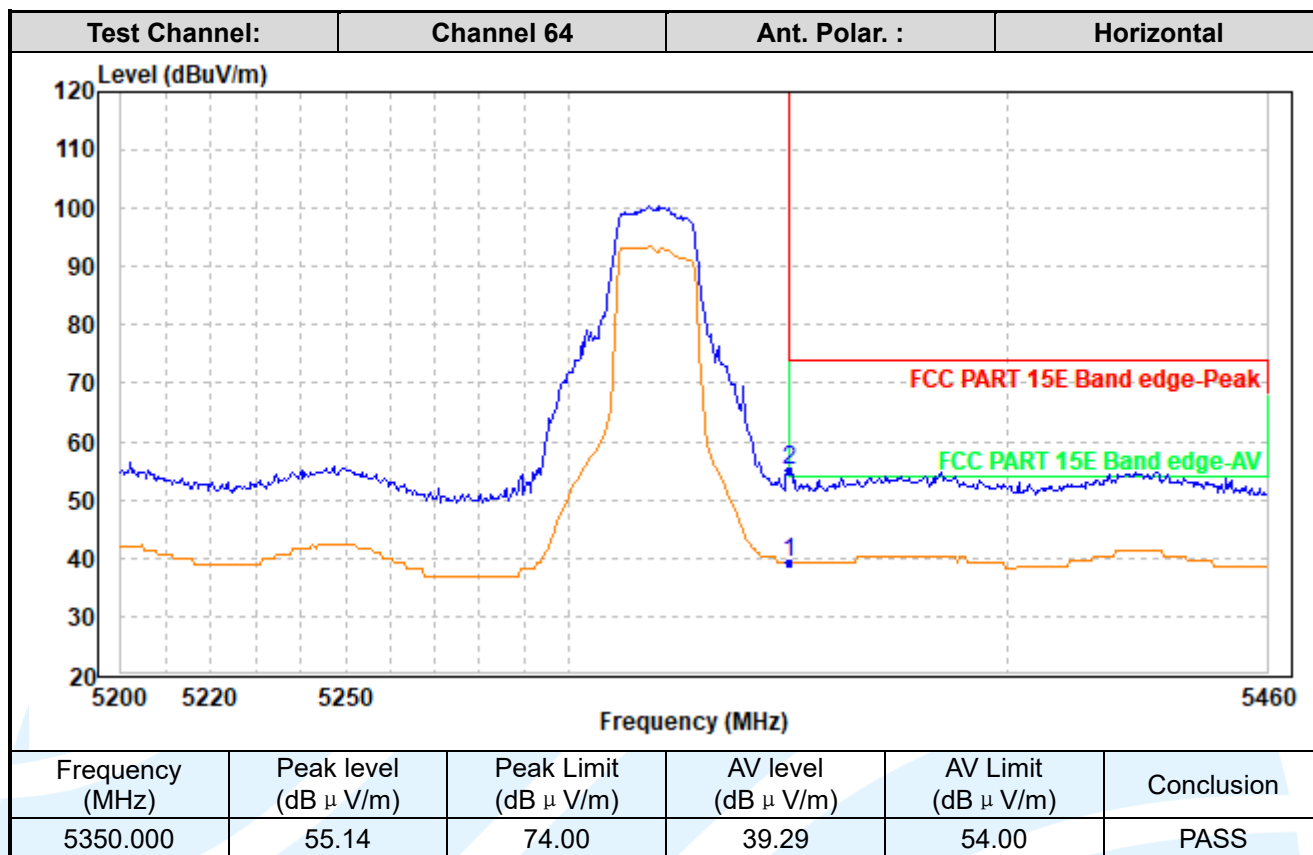
Tel: +86-755-28230888

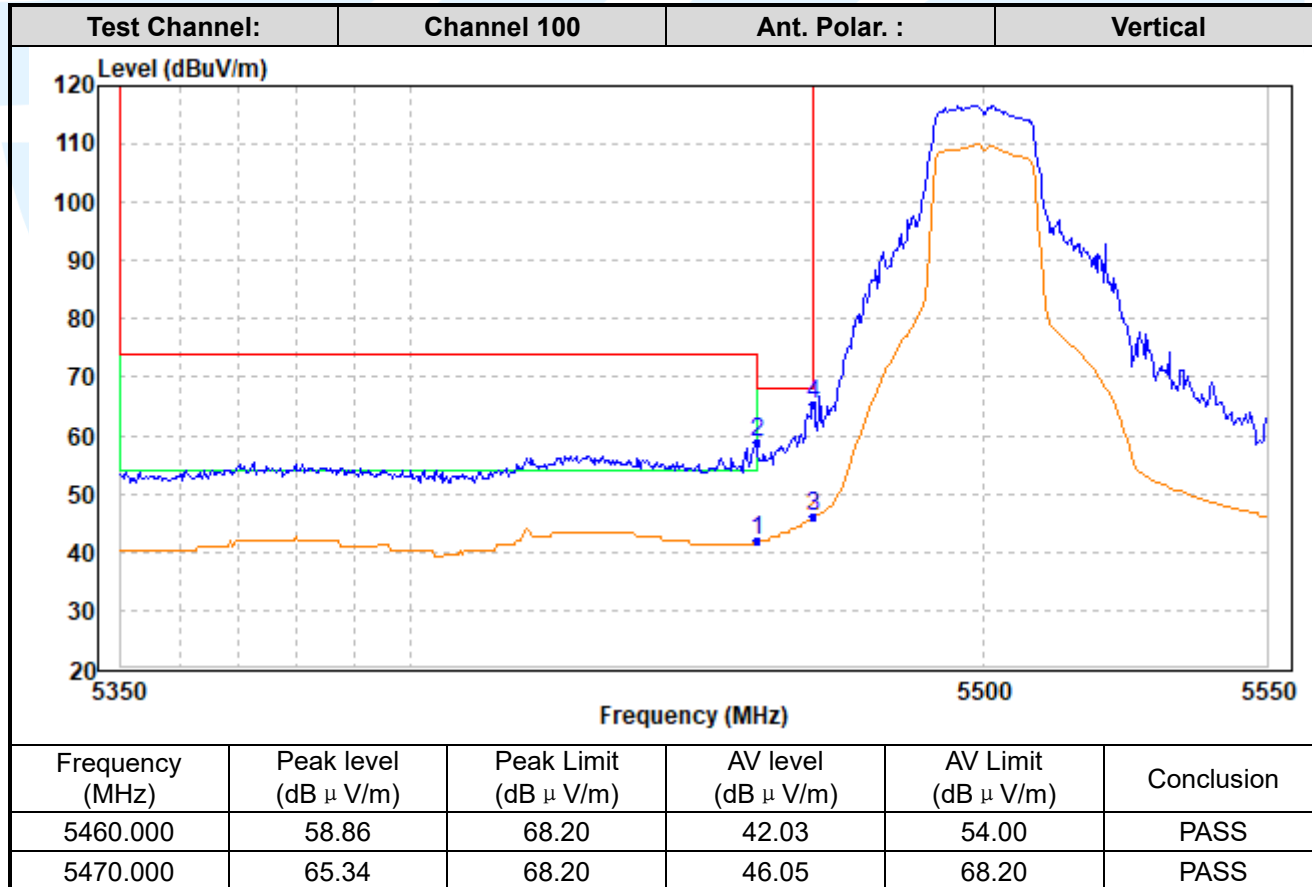
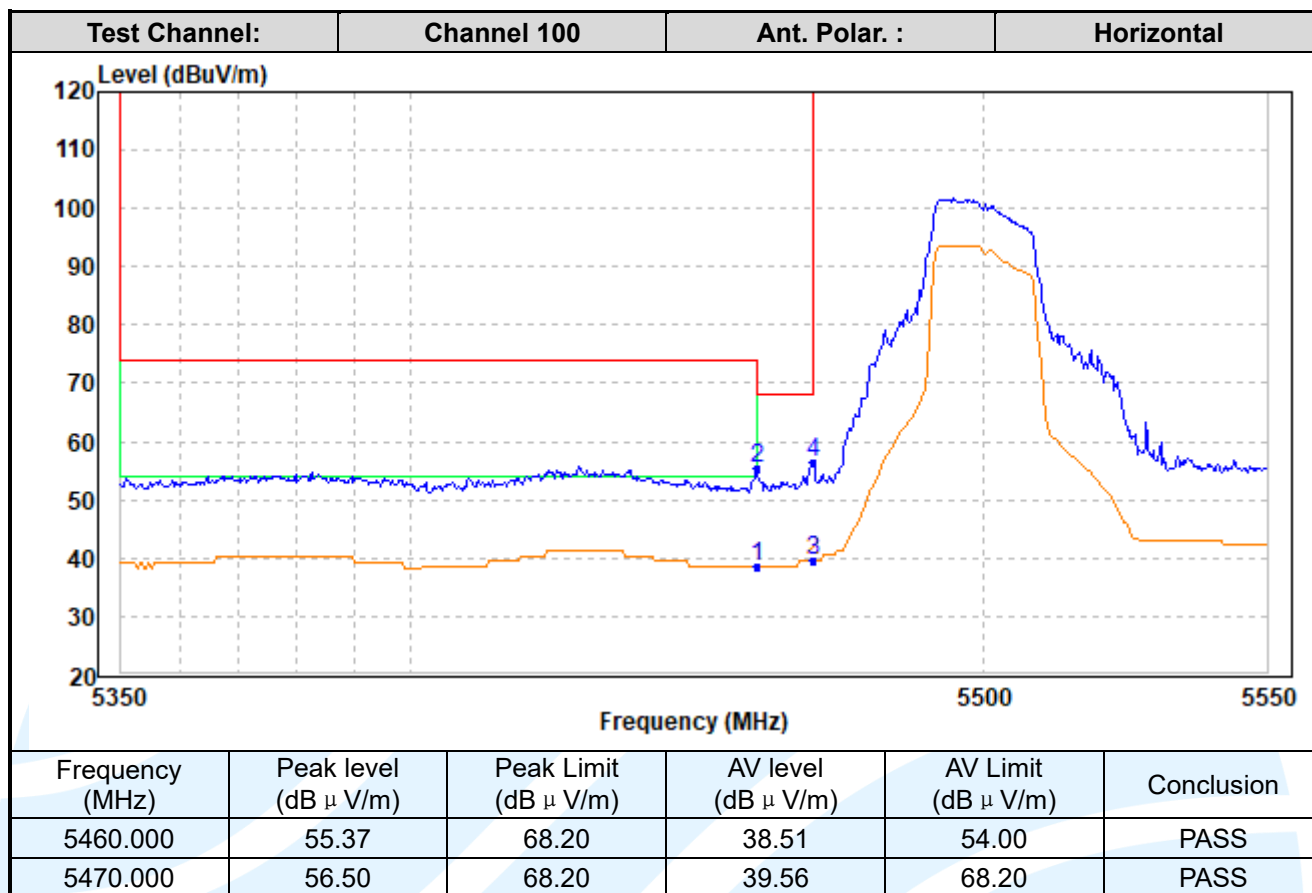
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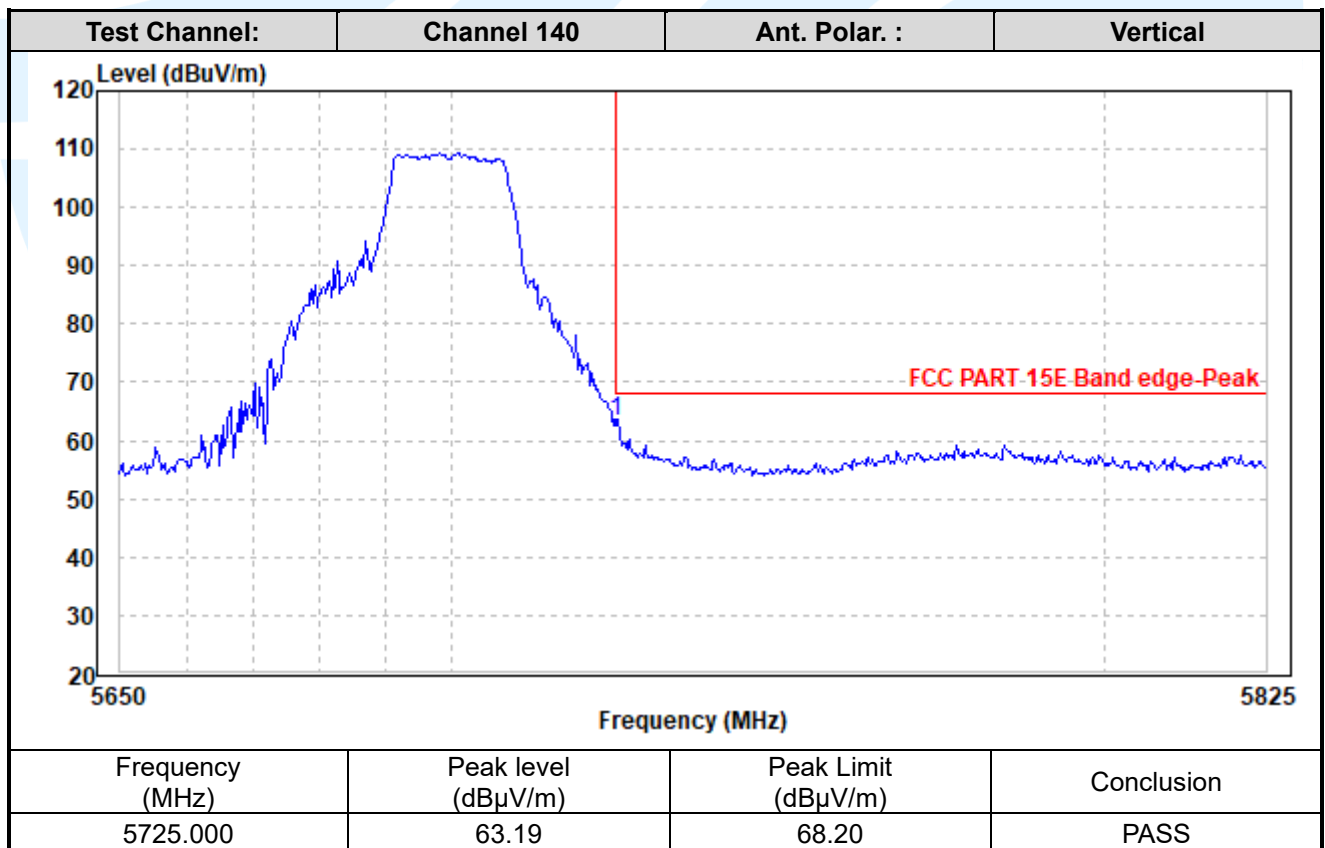
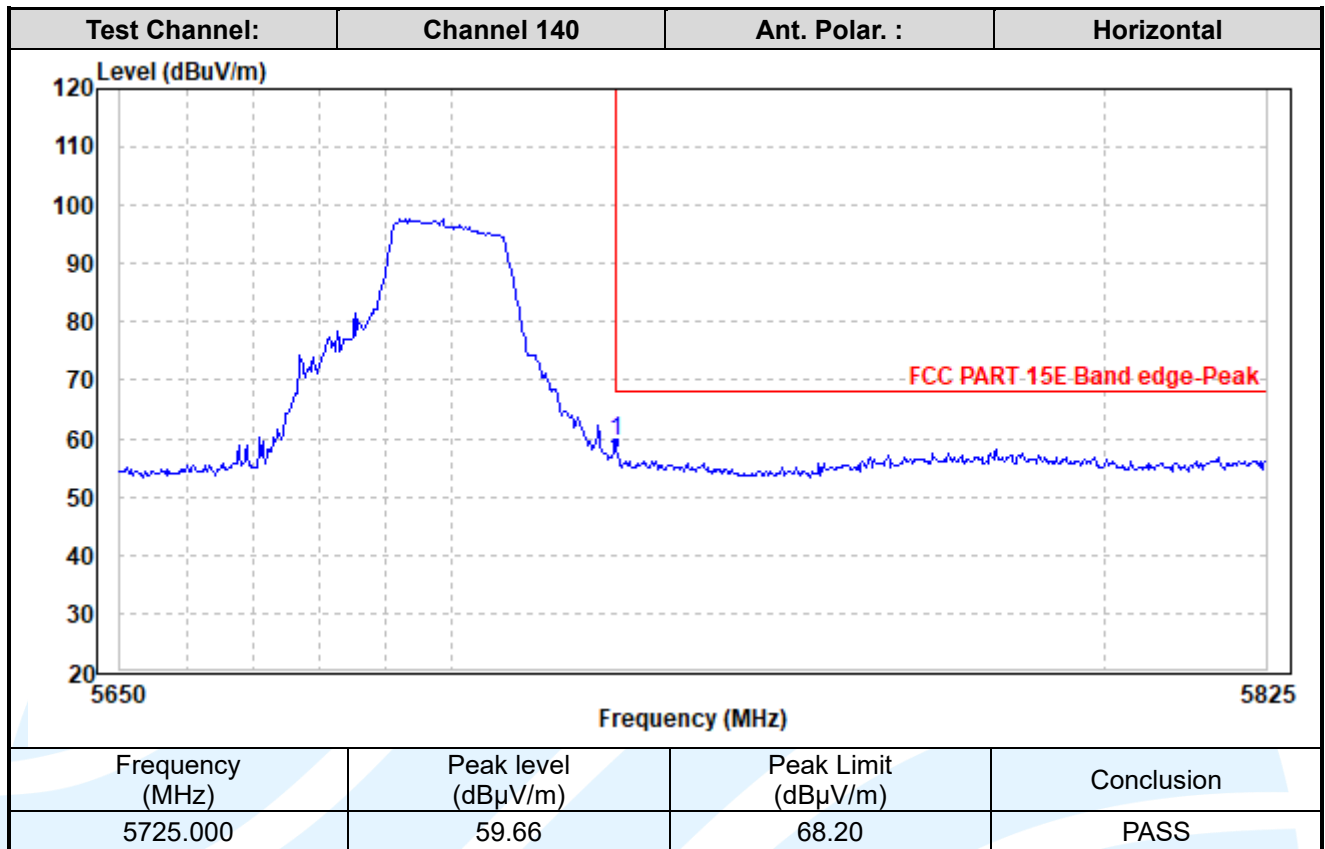
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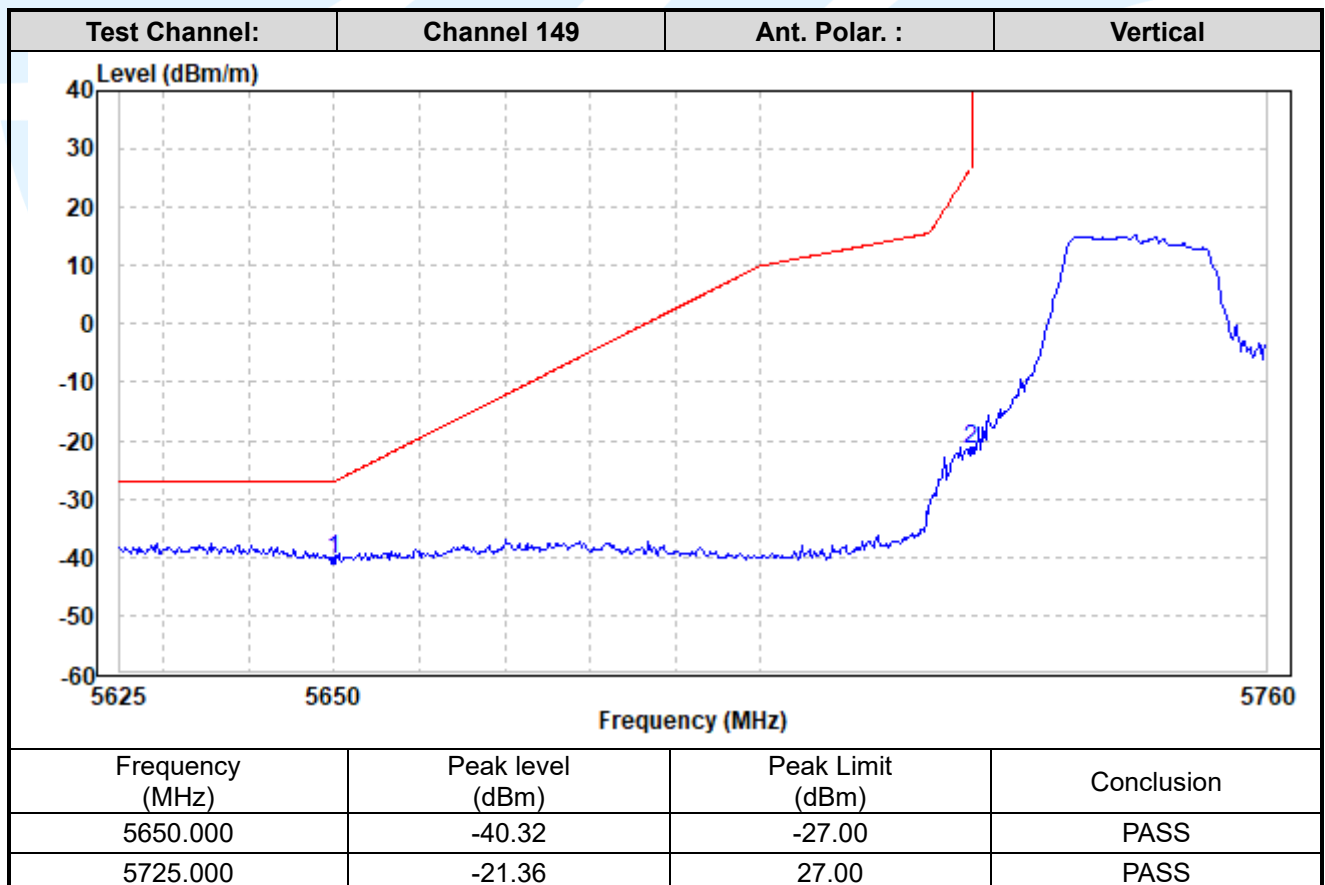
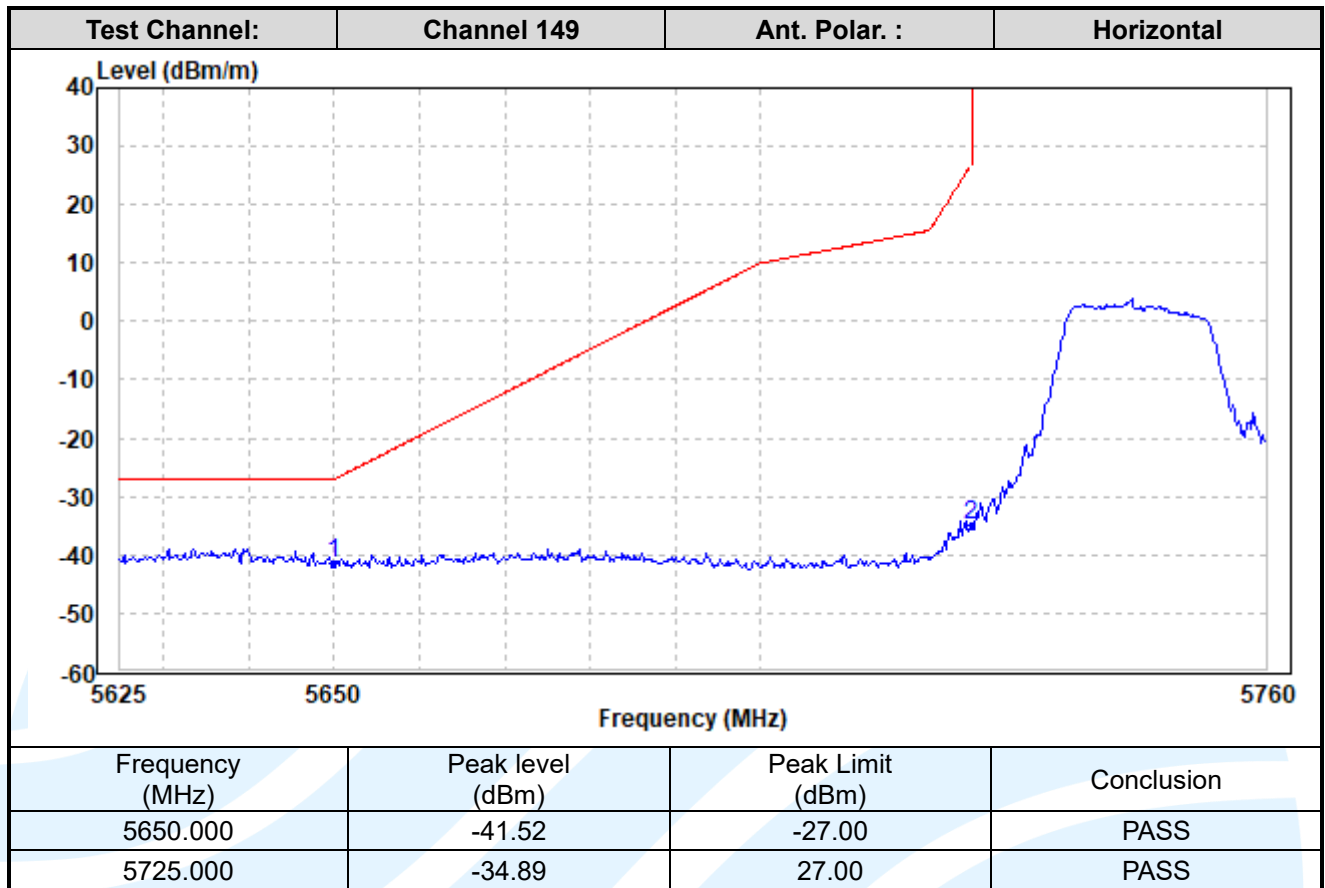
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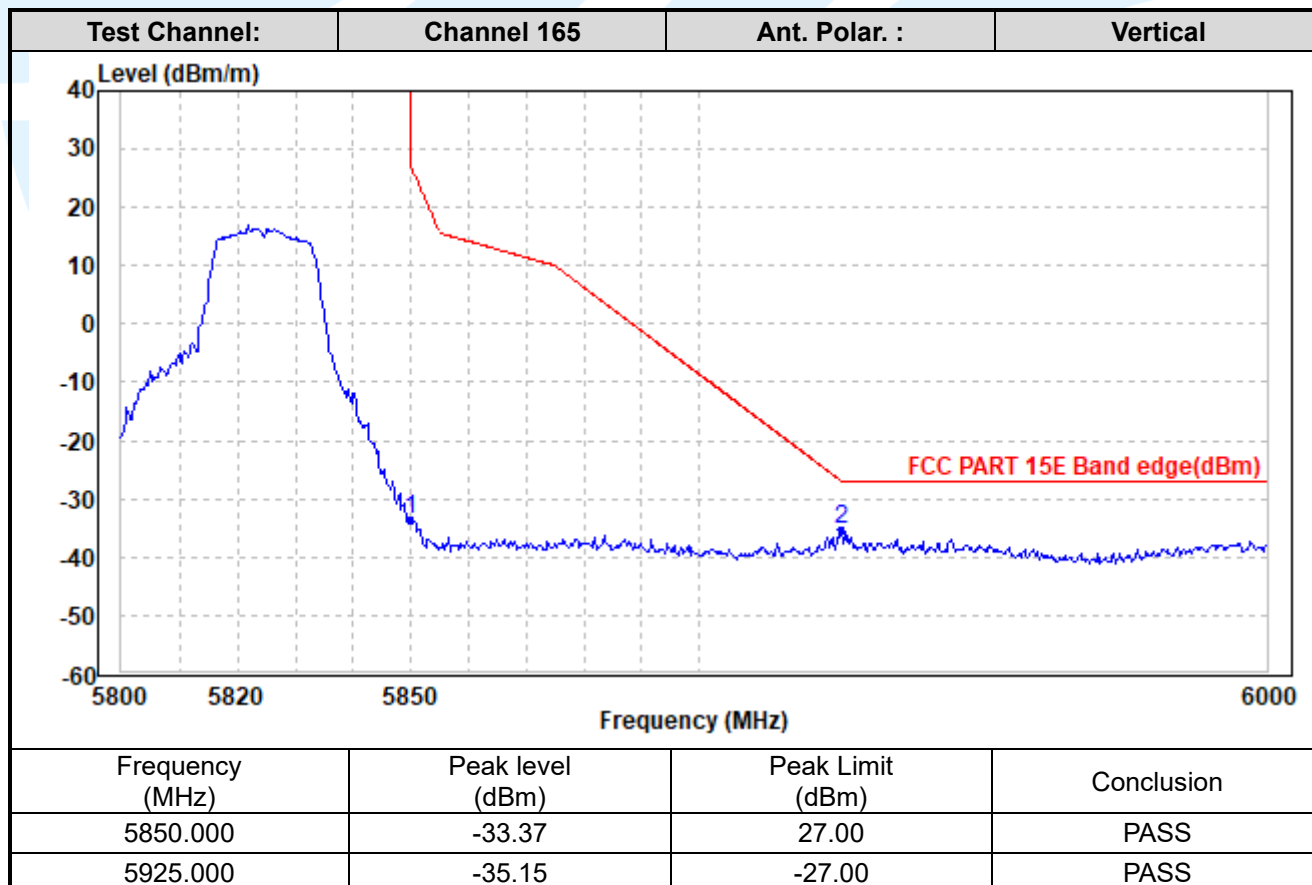
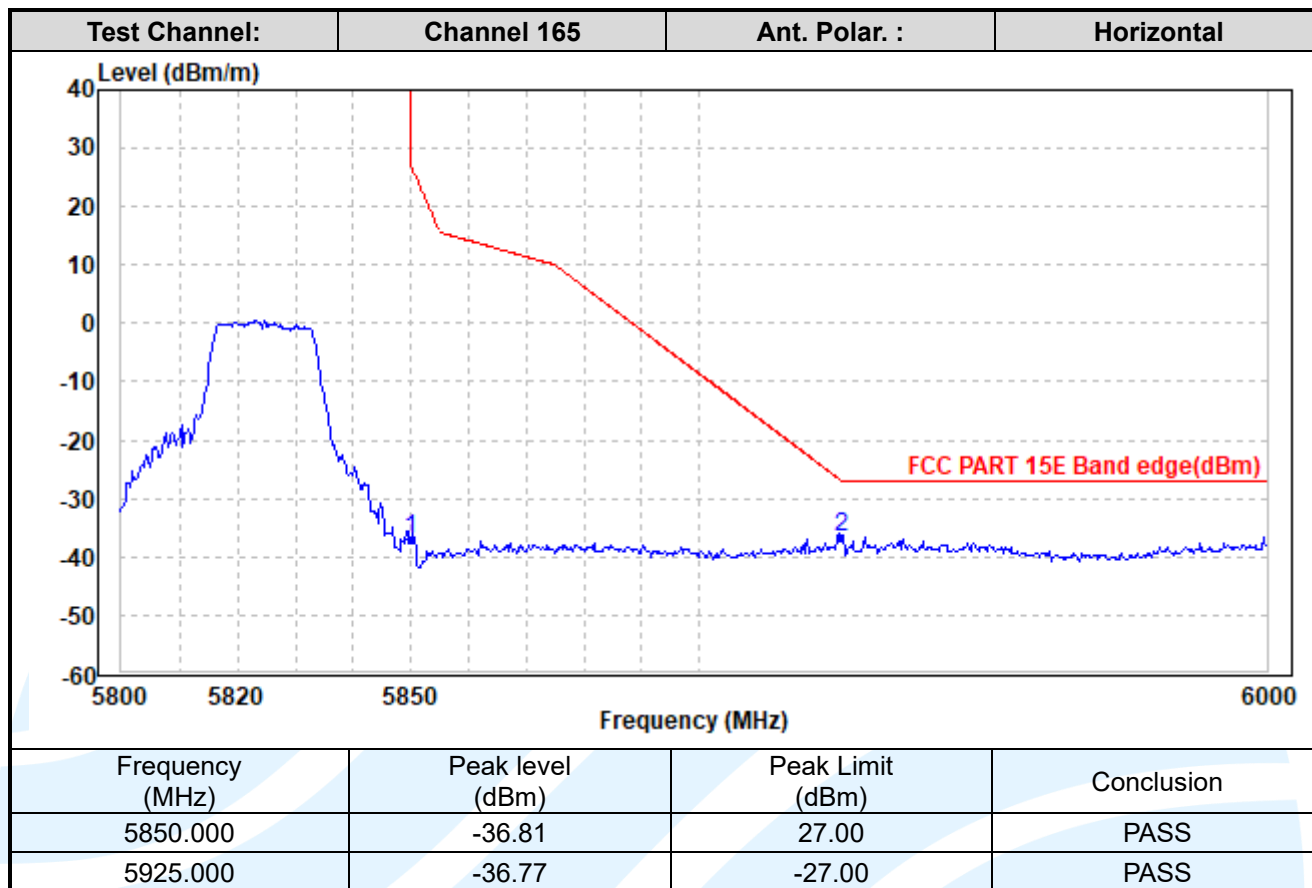
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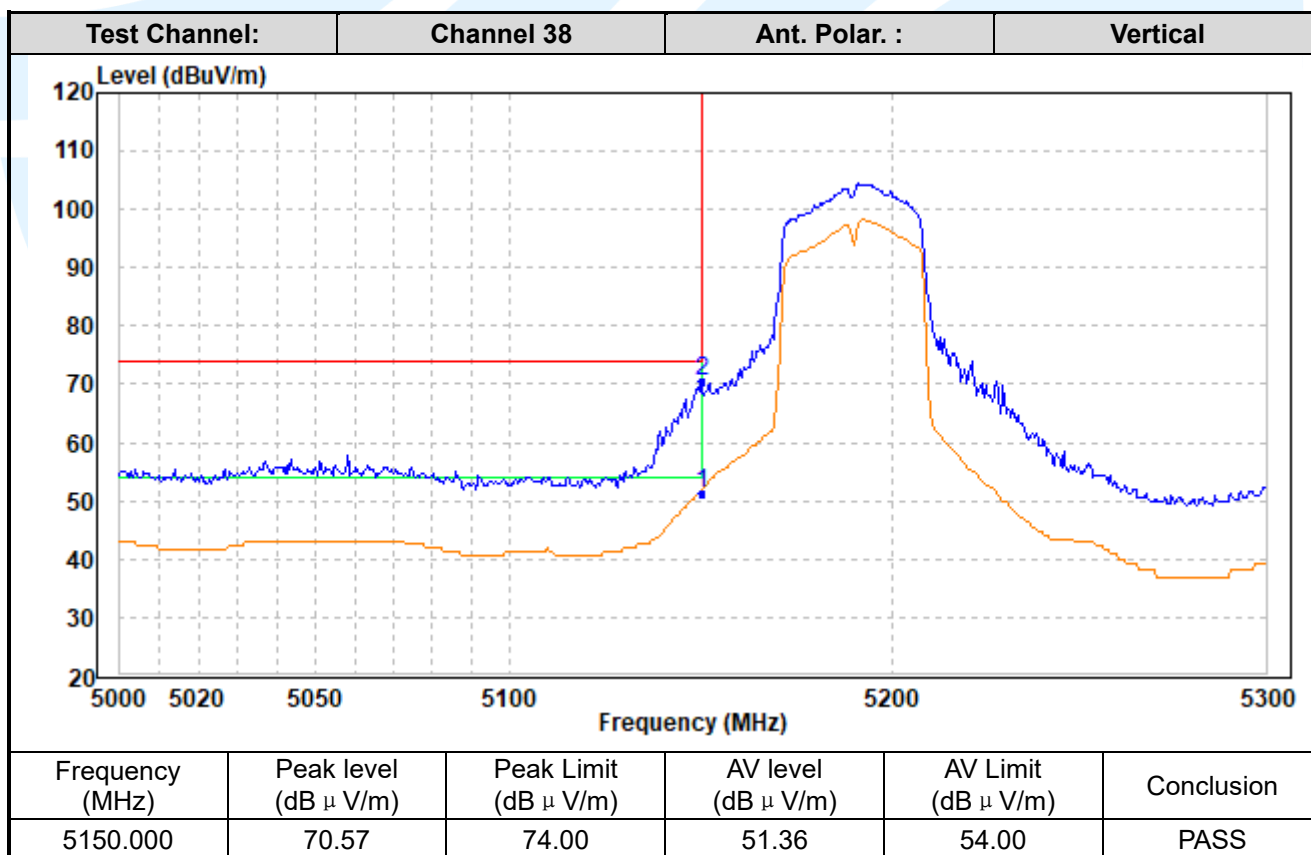
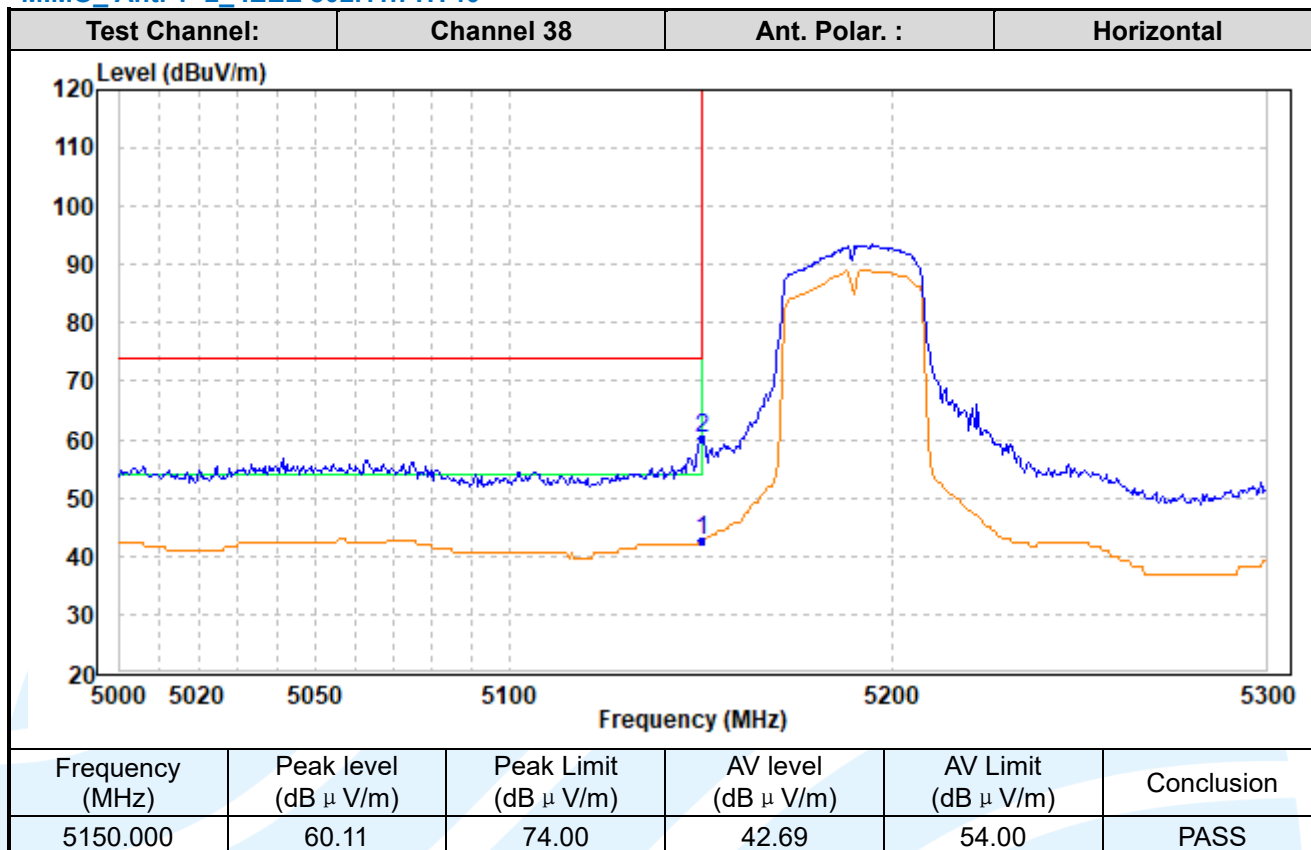
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MIMO_Ant. 1+2_ IEEE 802.11n-HT40



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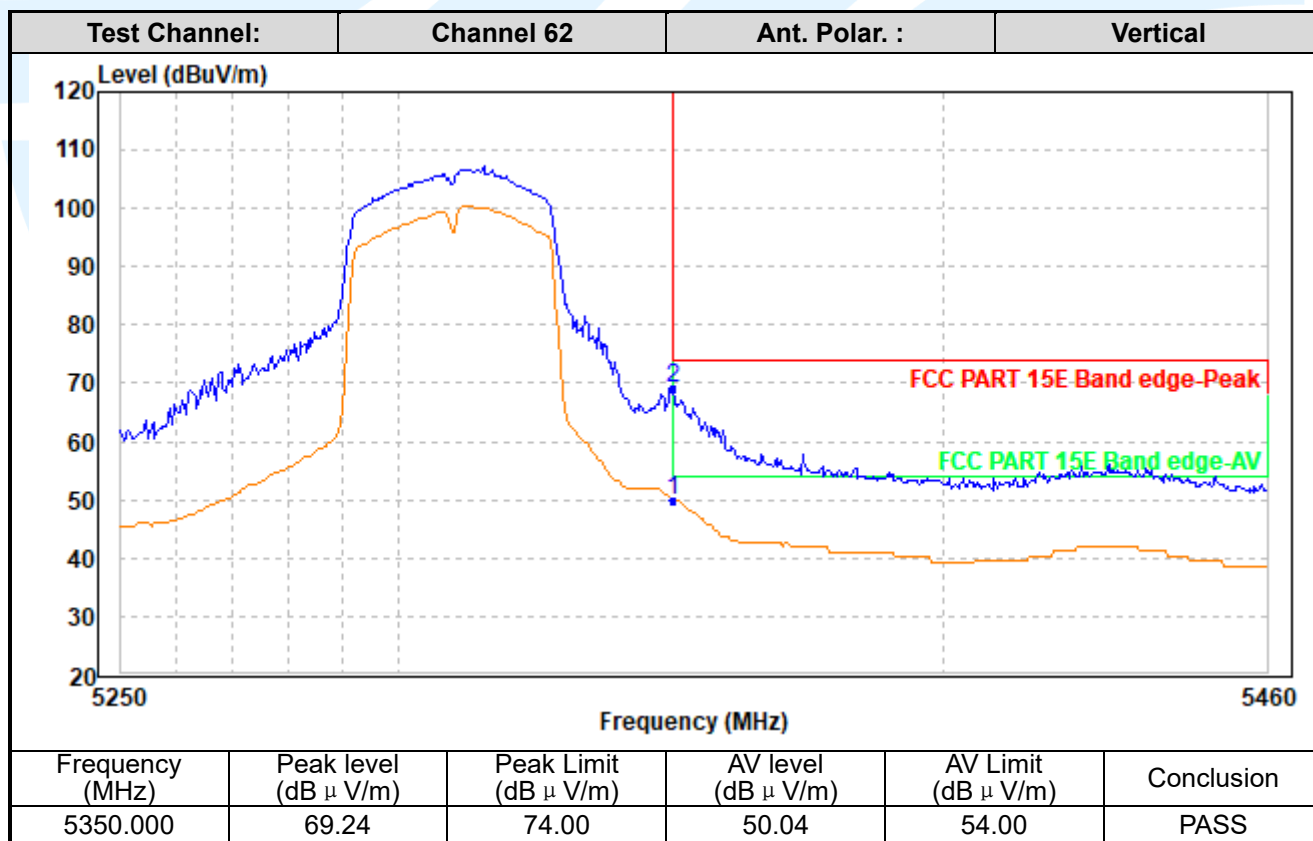
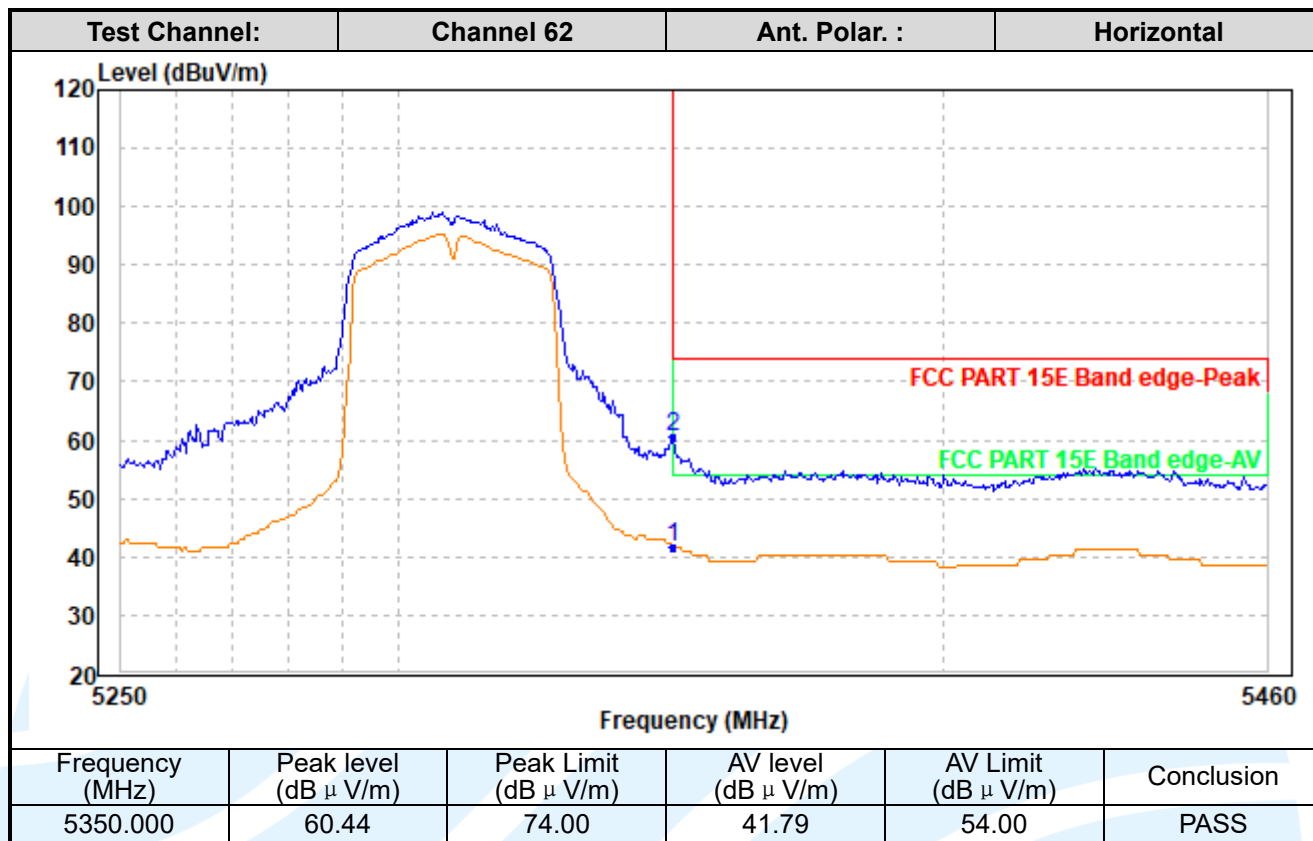
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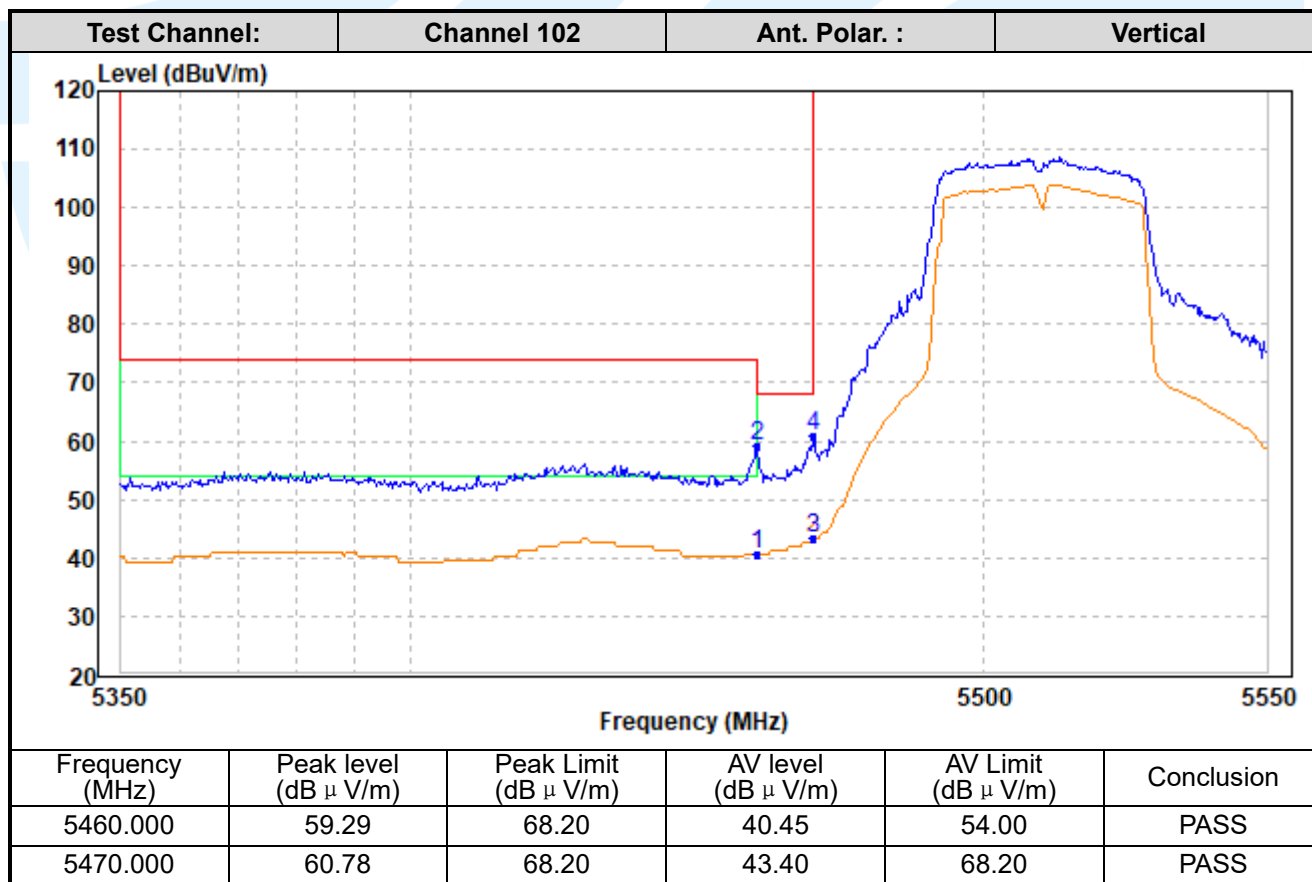
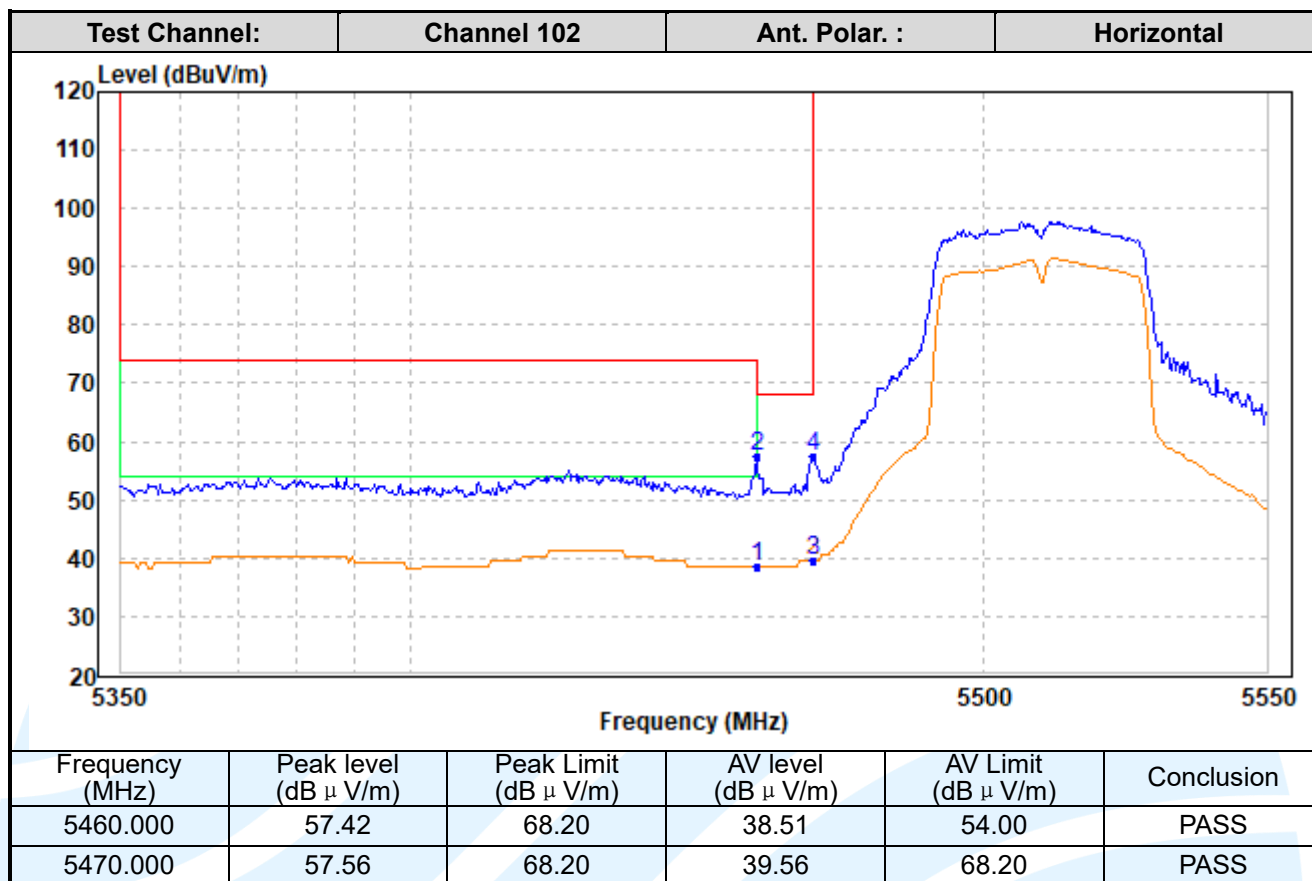
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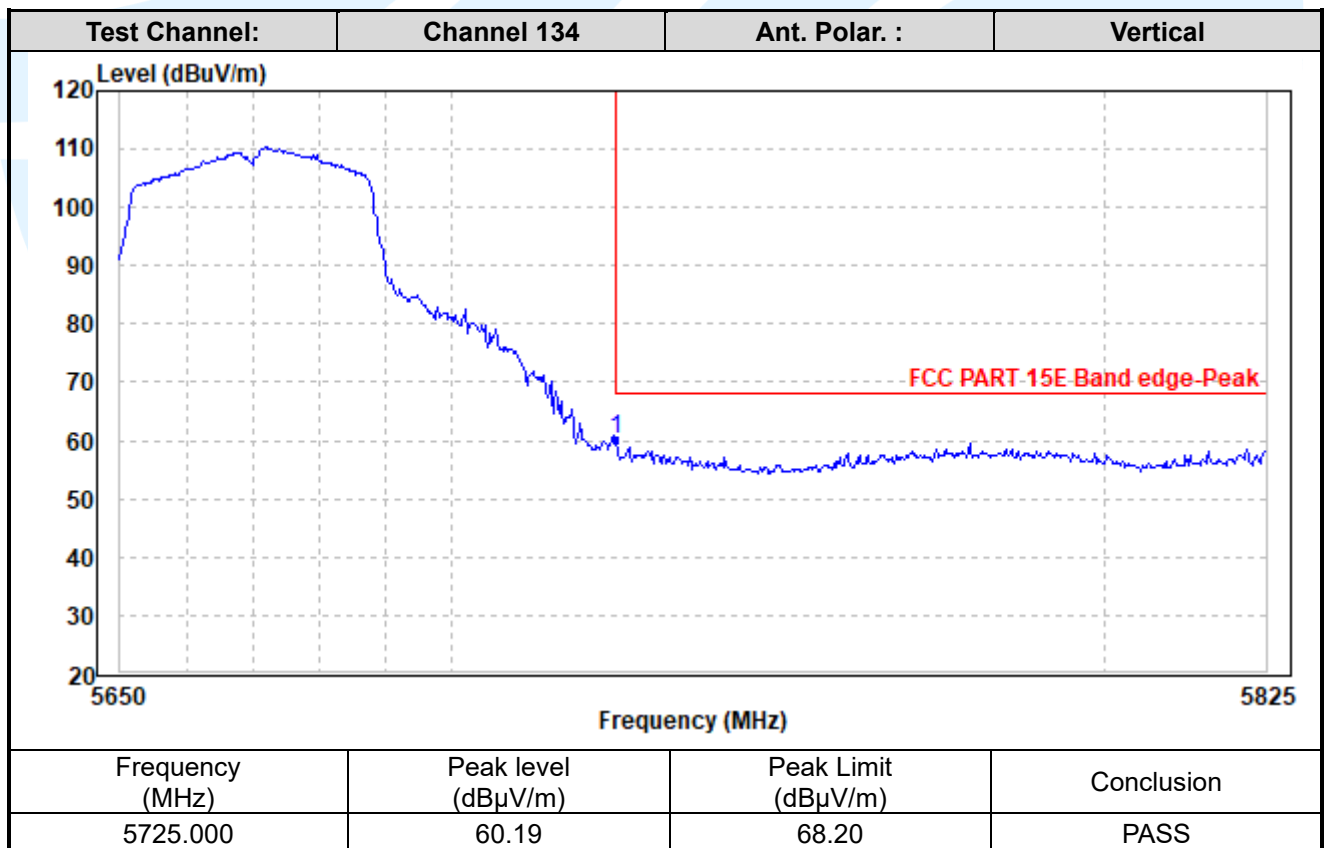
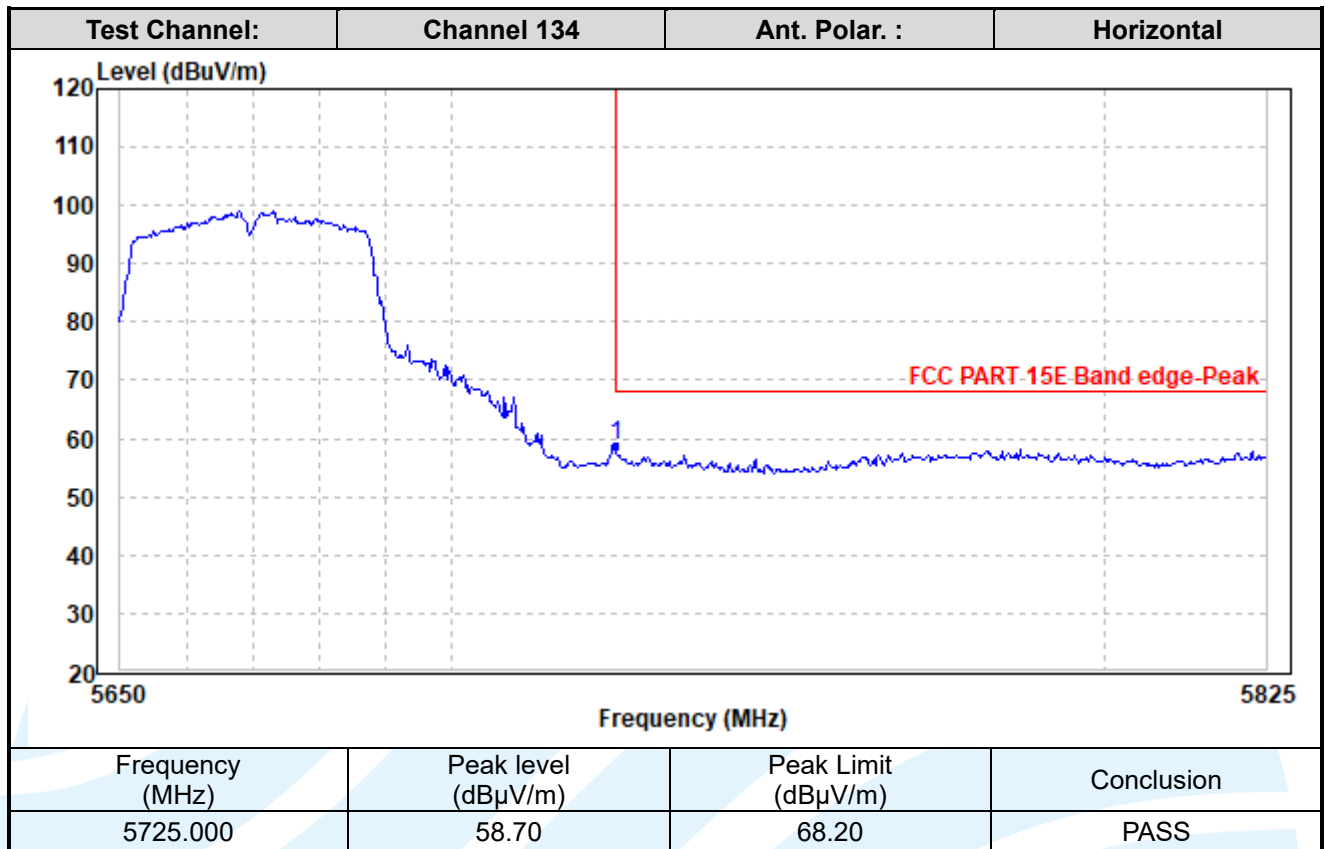
E-mail: info@uttlab.com

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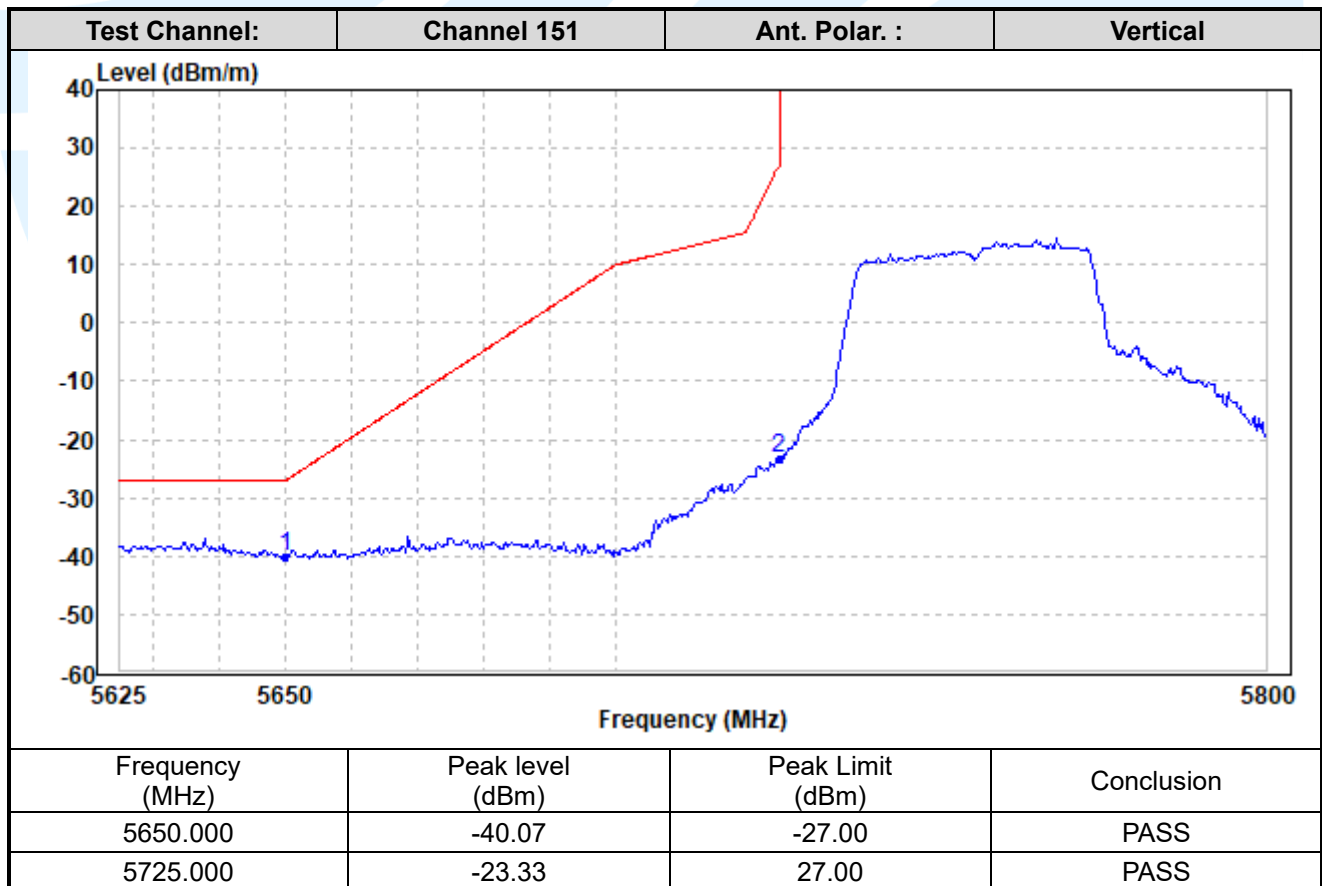
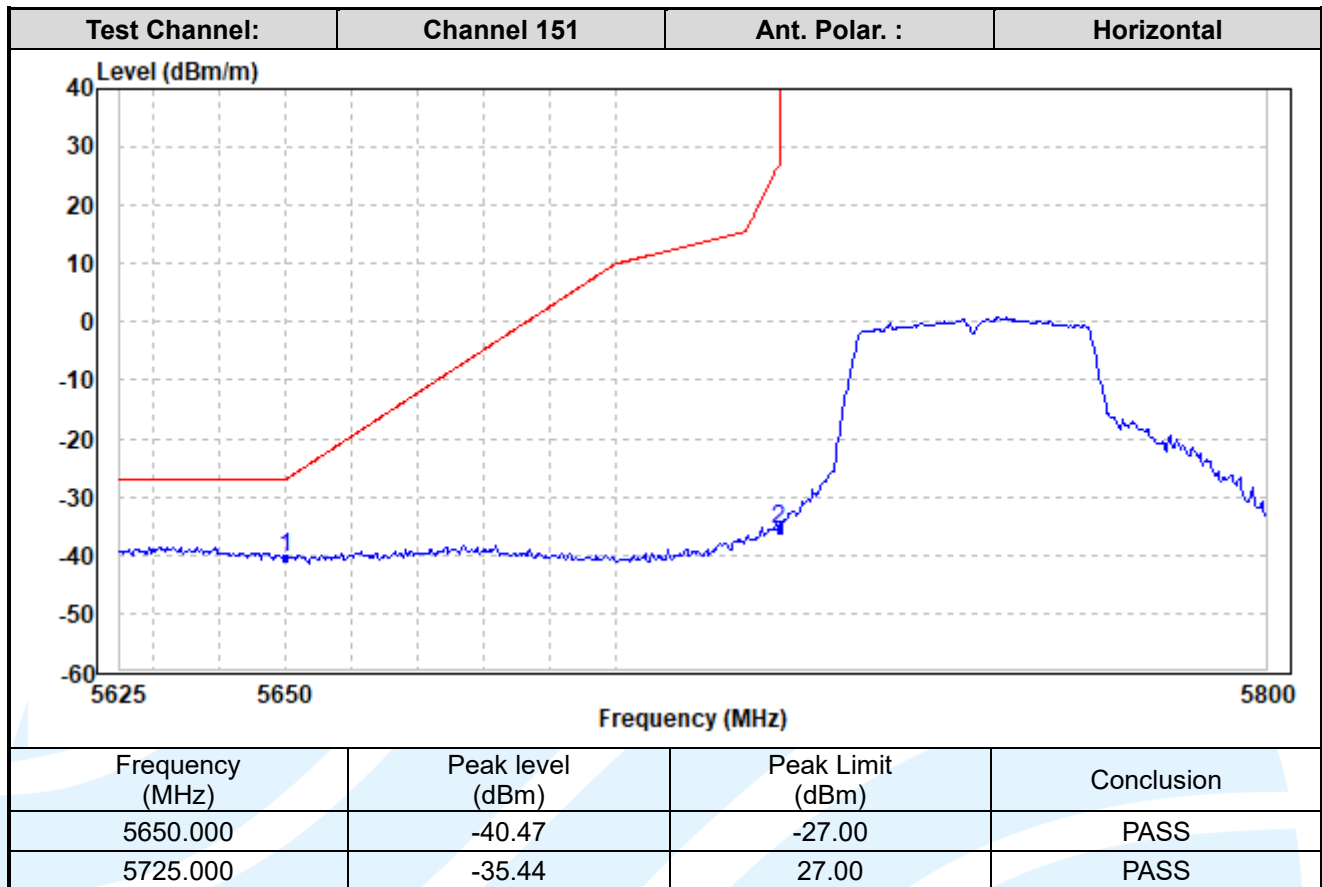
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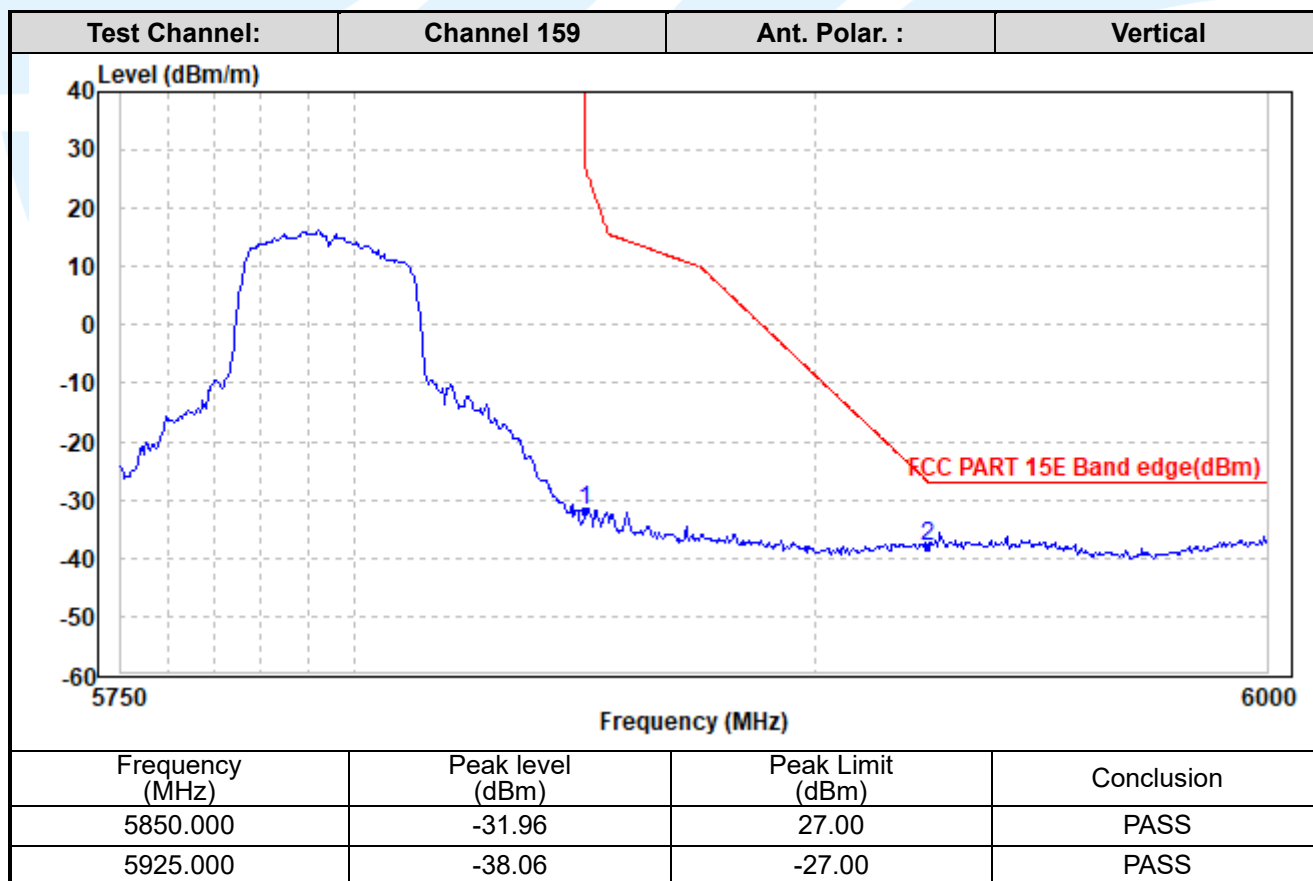
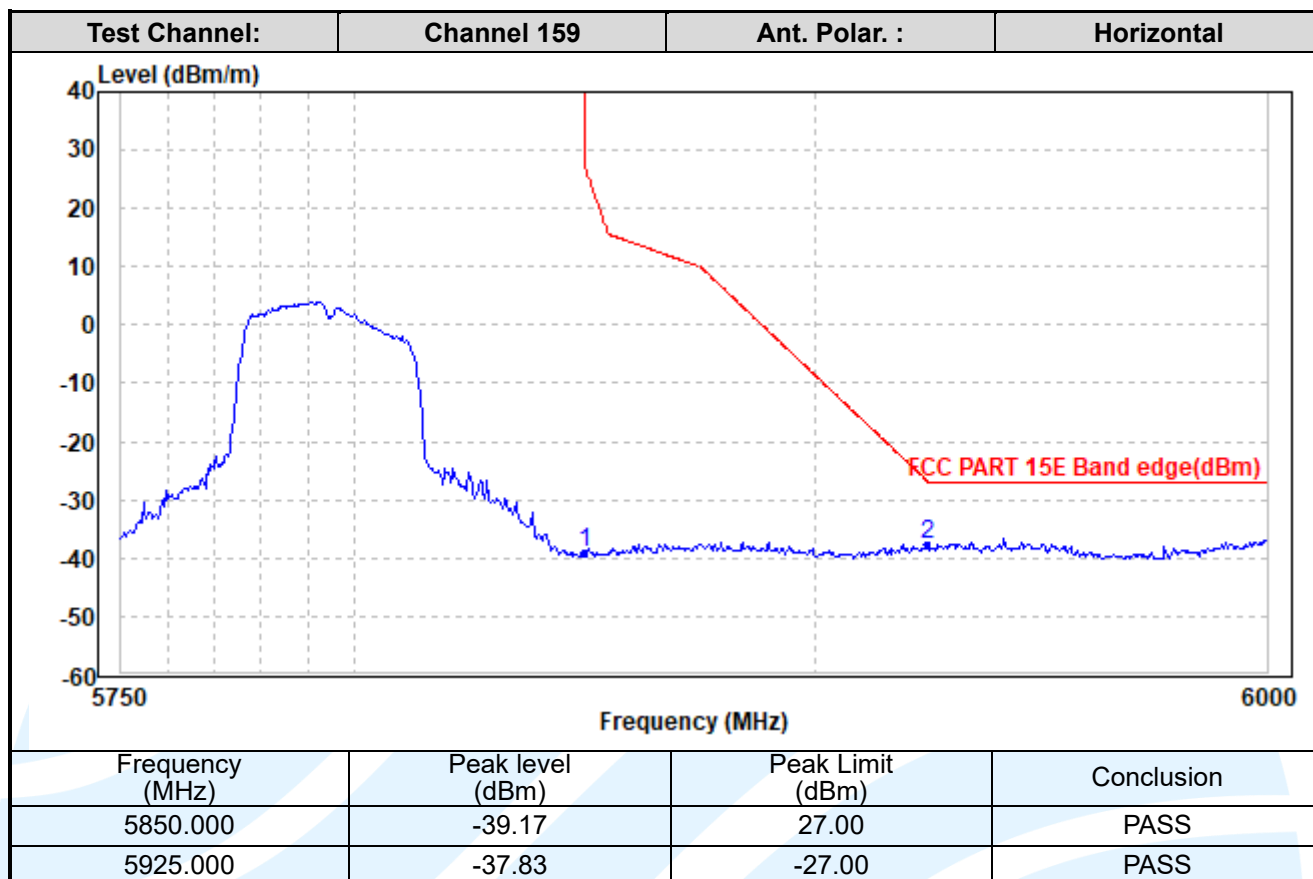
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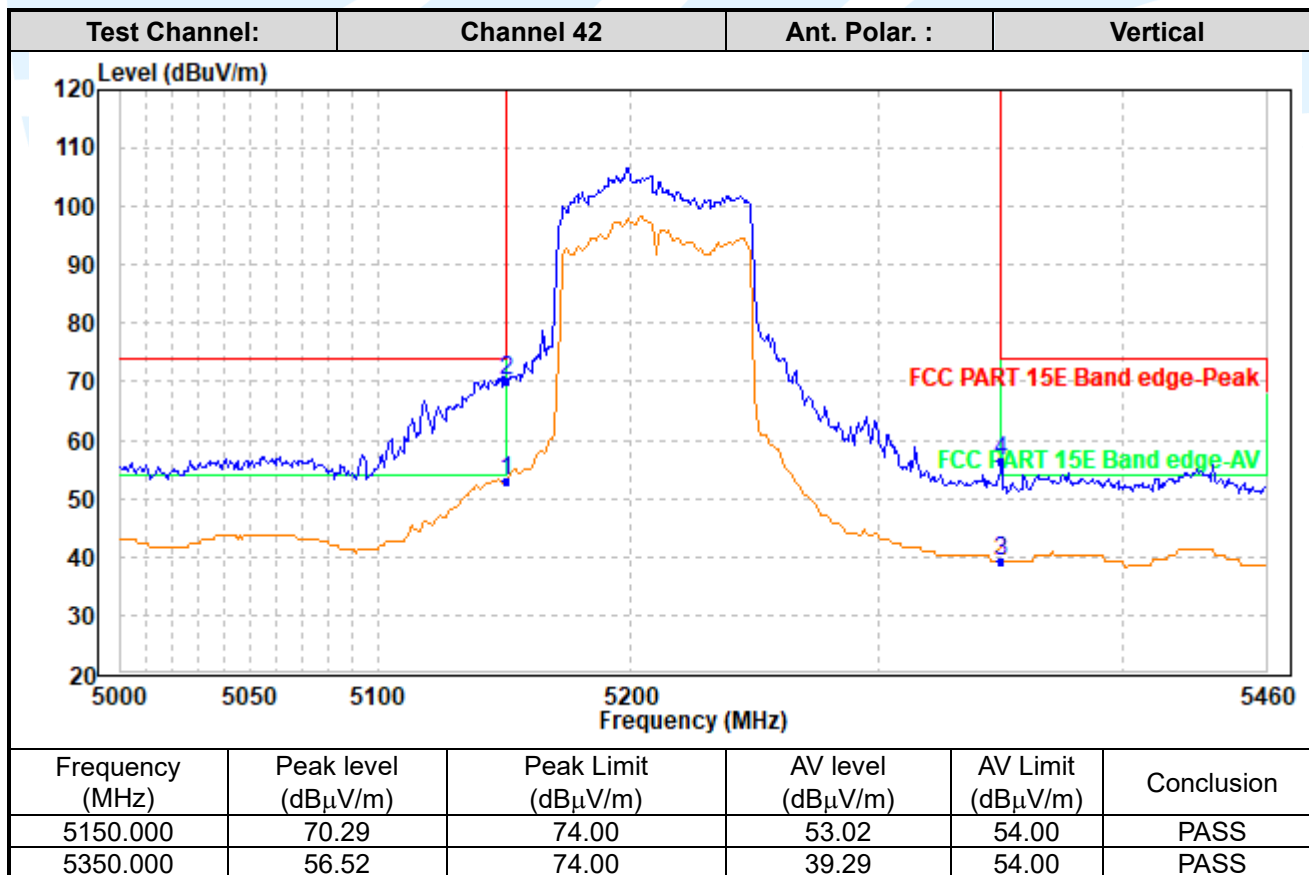
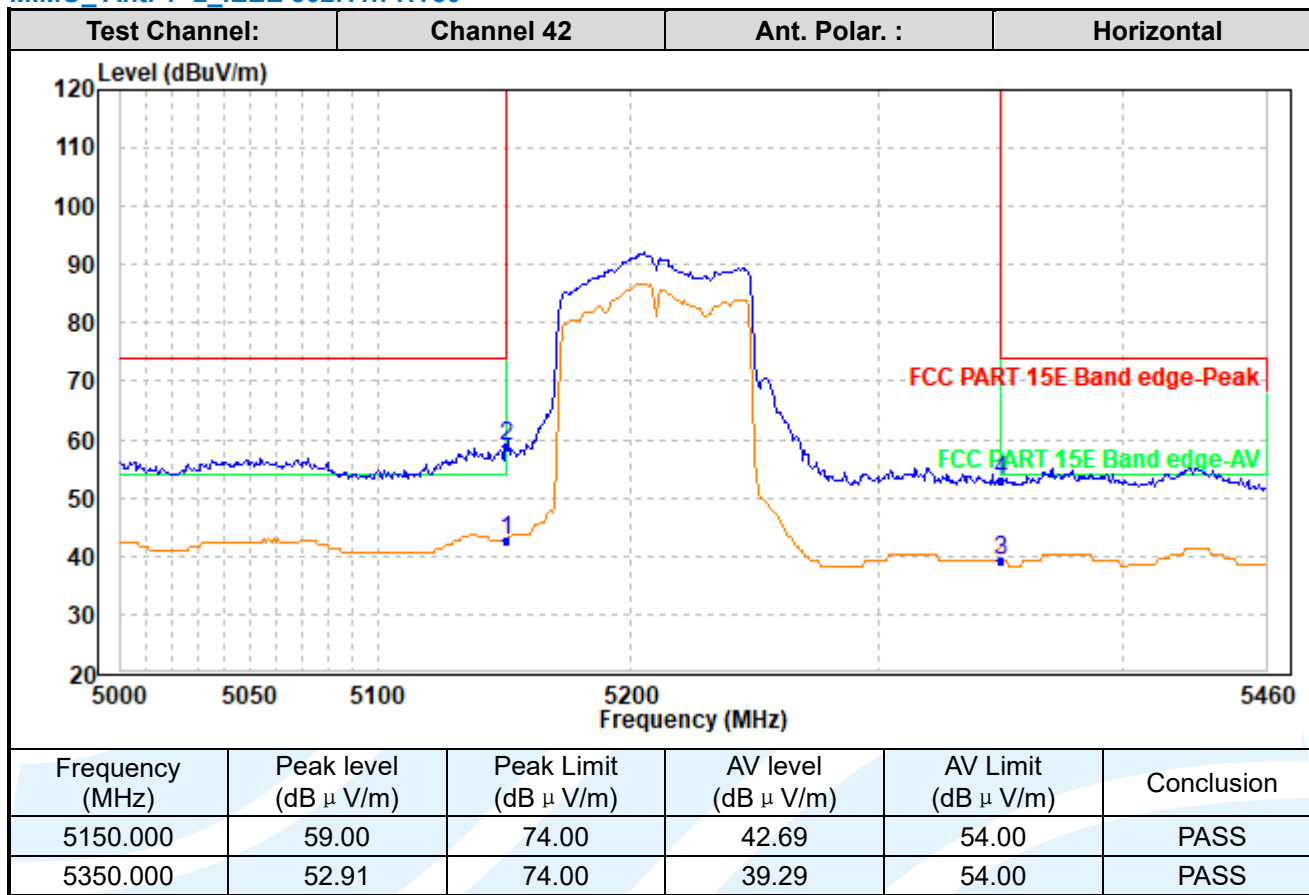
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MIMO_Ant. 1+2_ IEEE 802.11n-HT80


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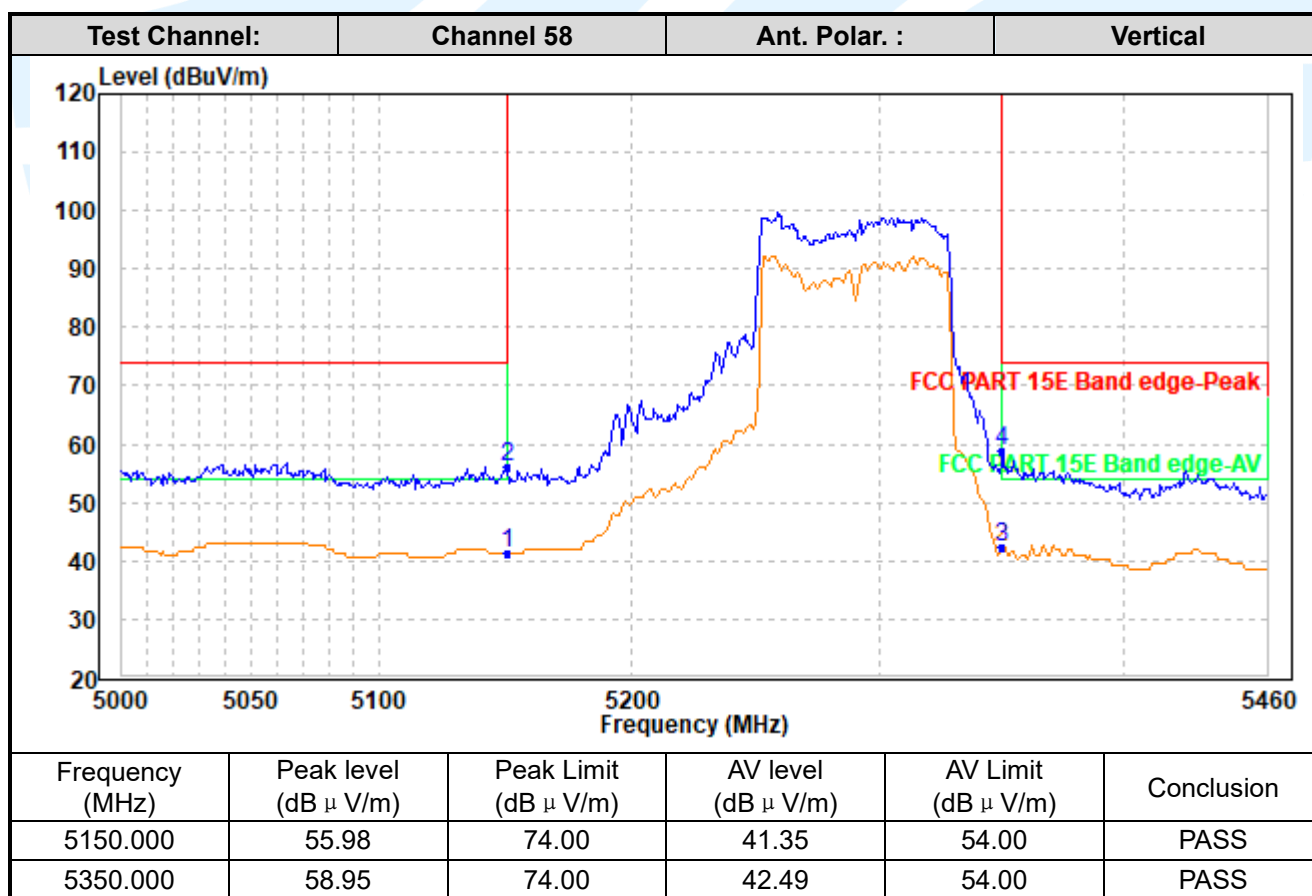
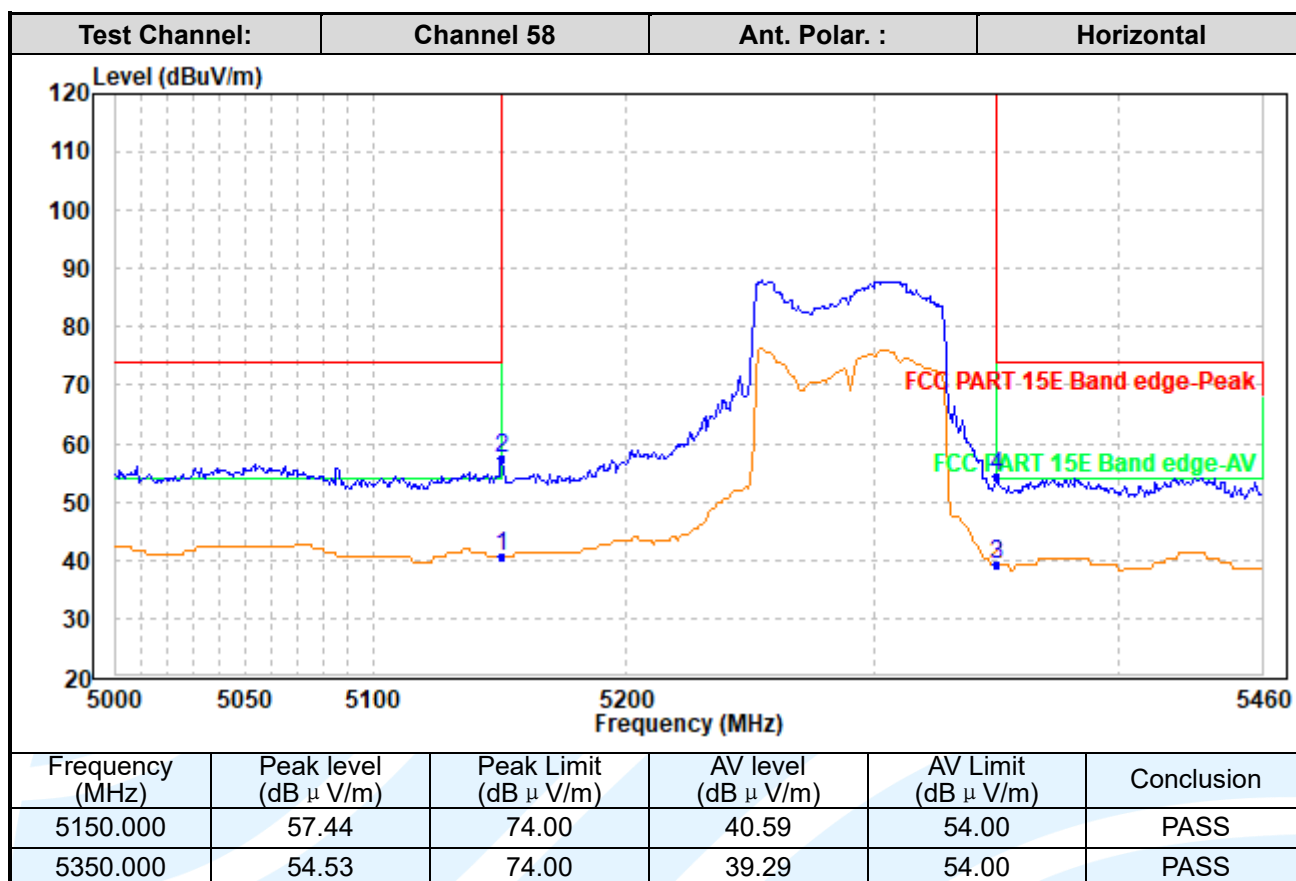
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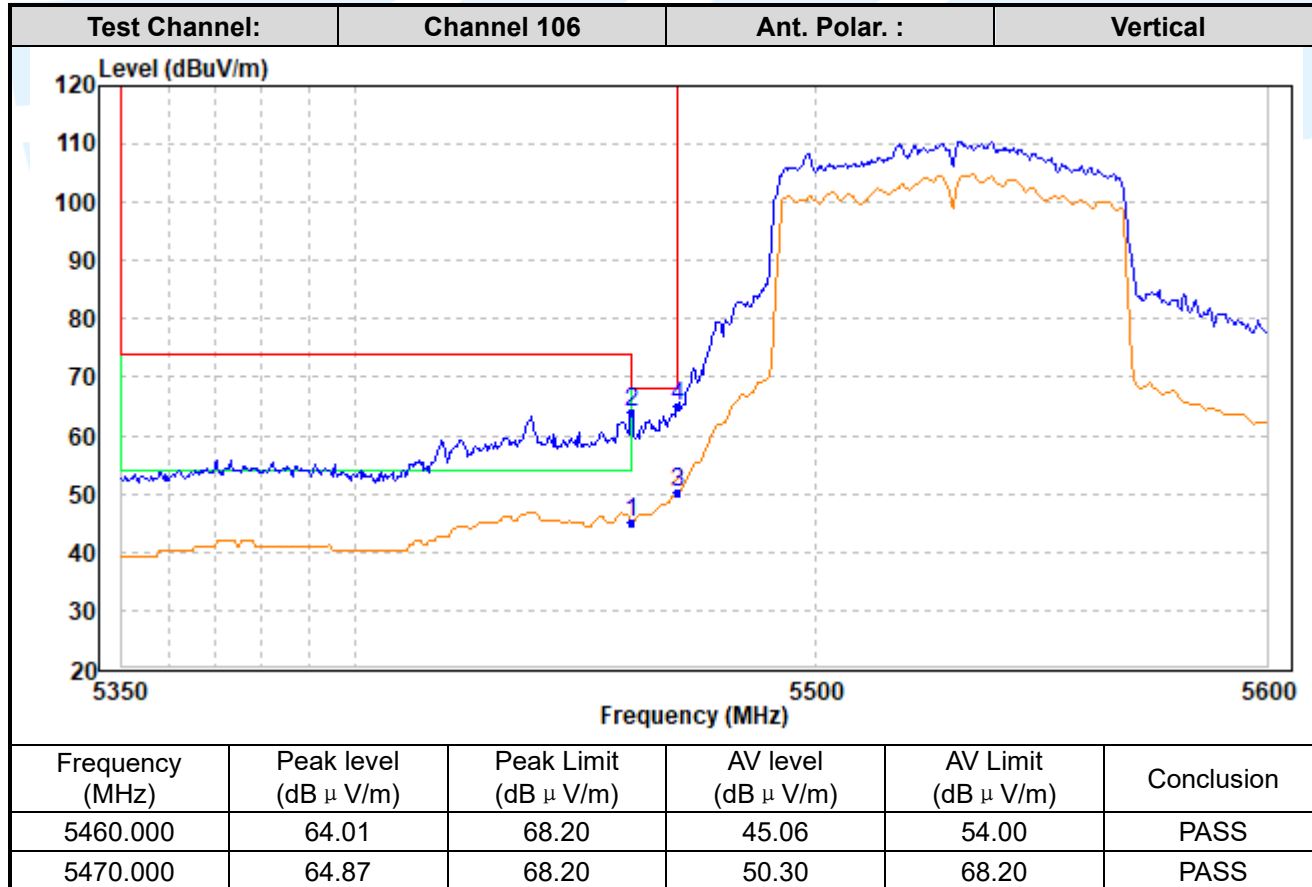
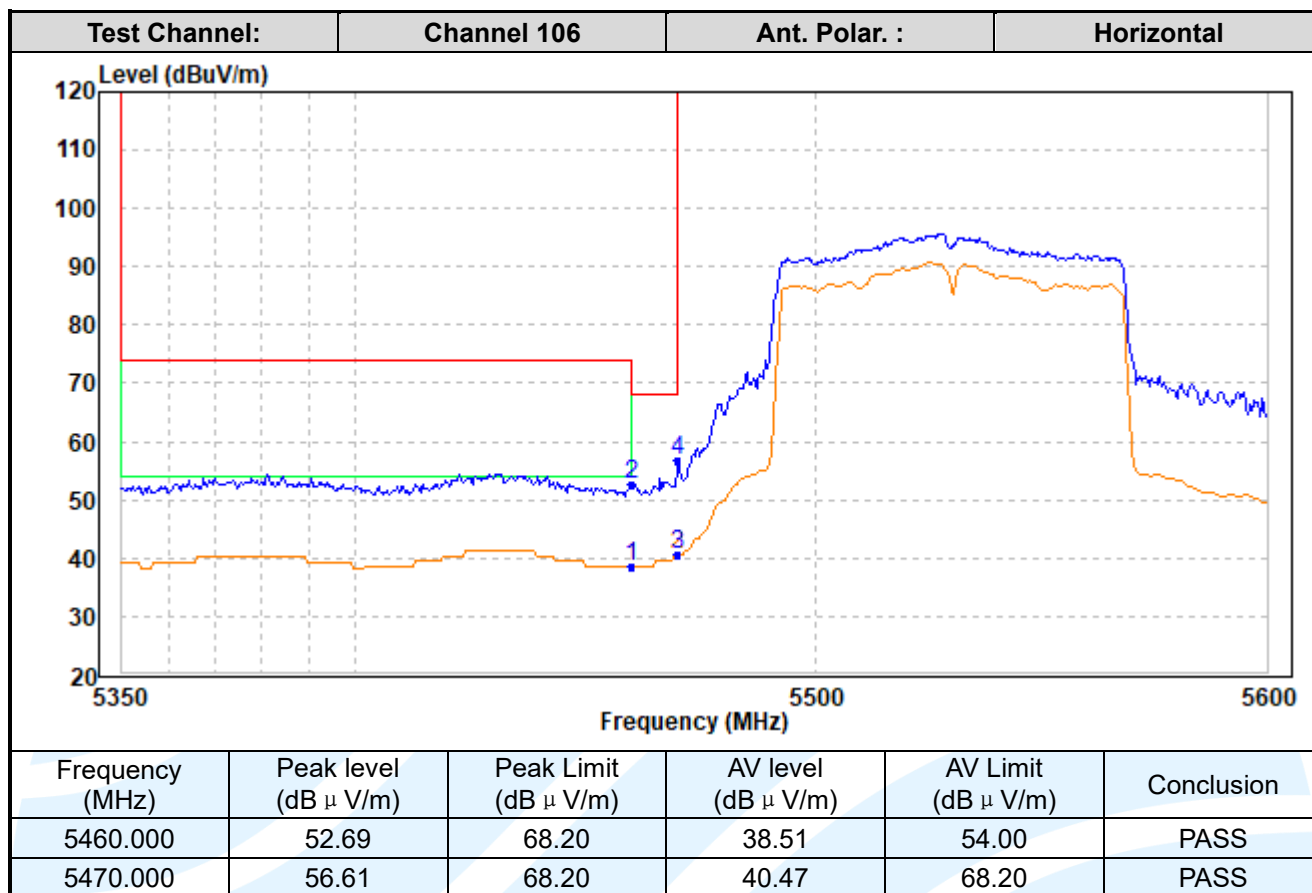
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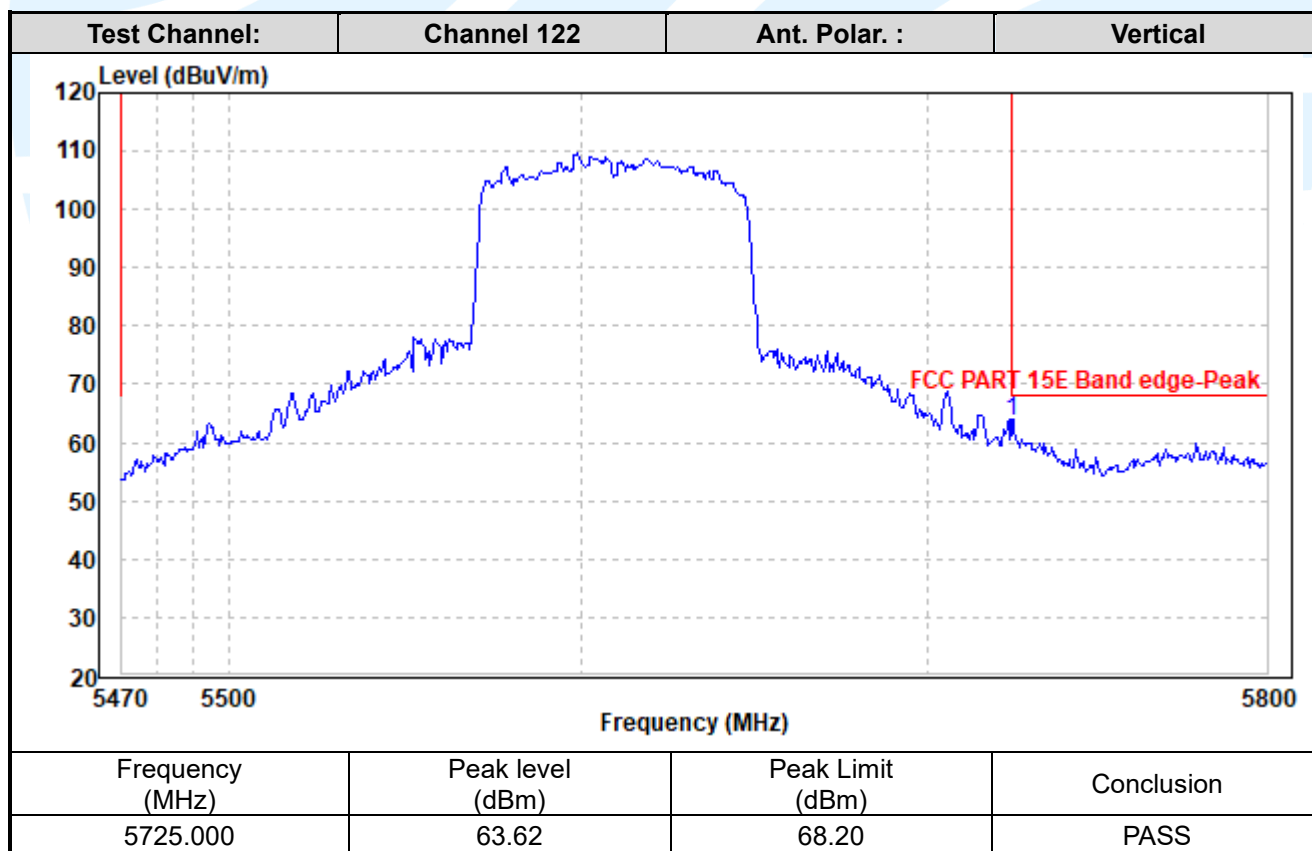
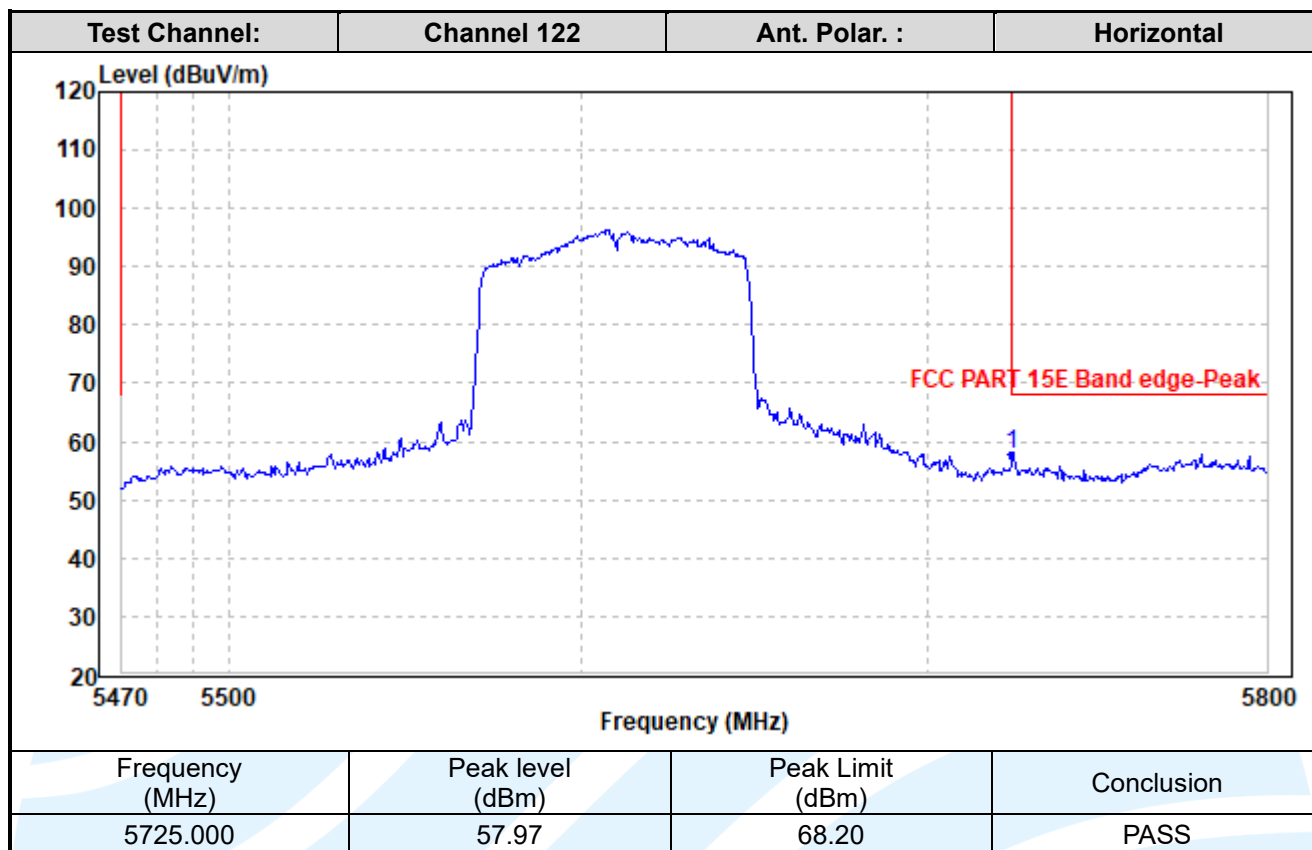
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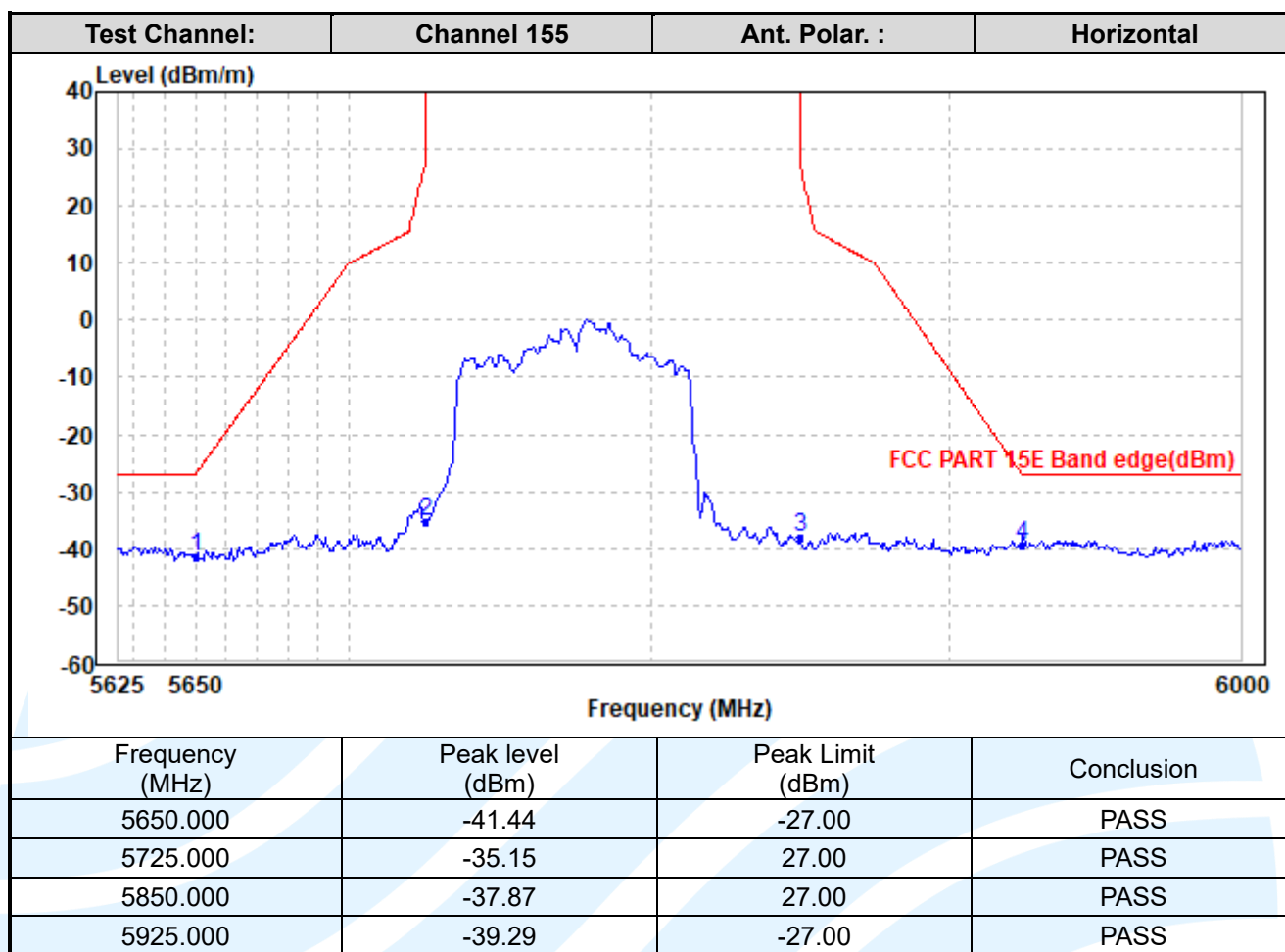
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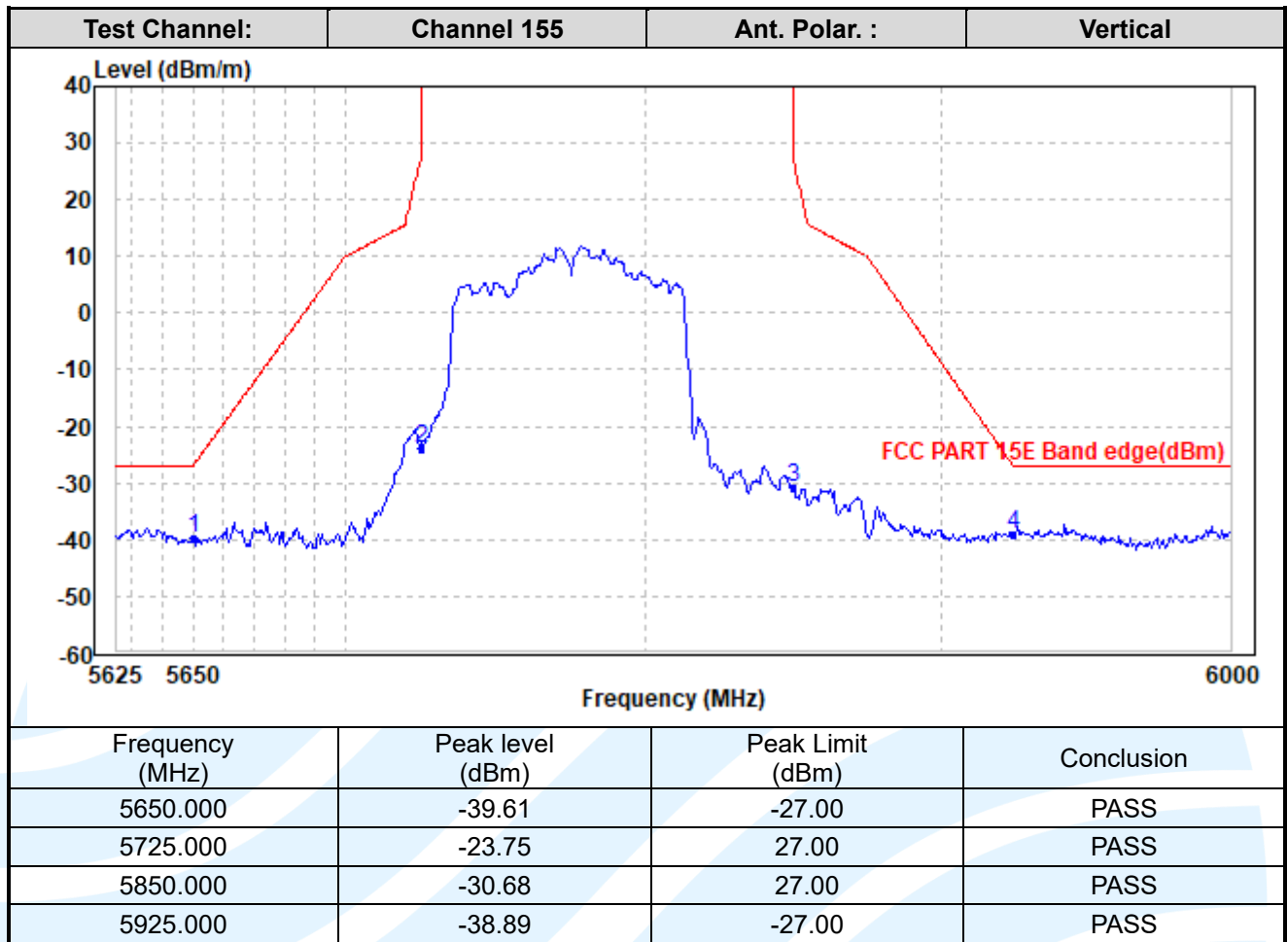
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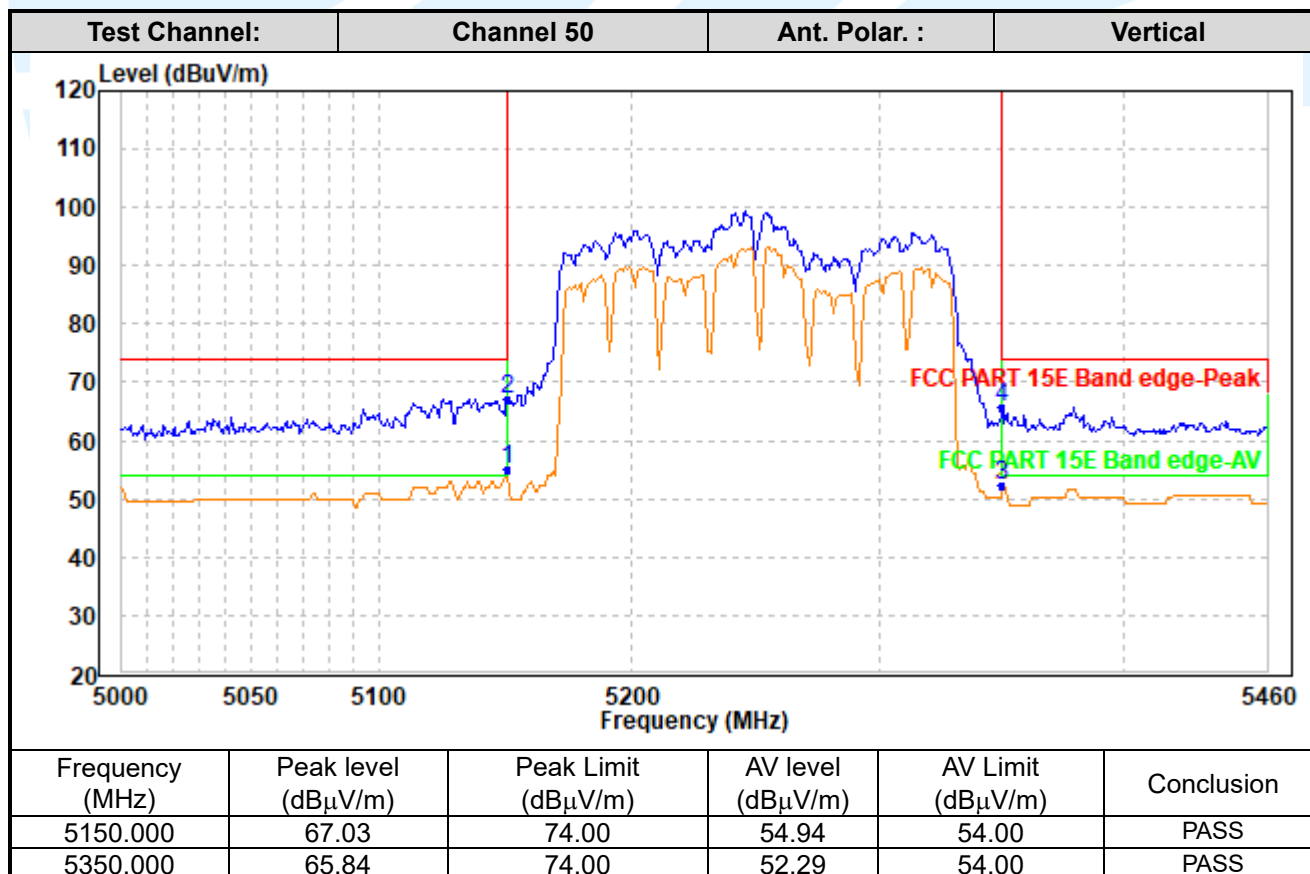
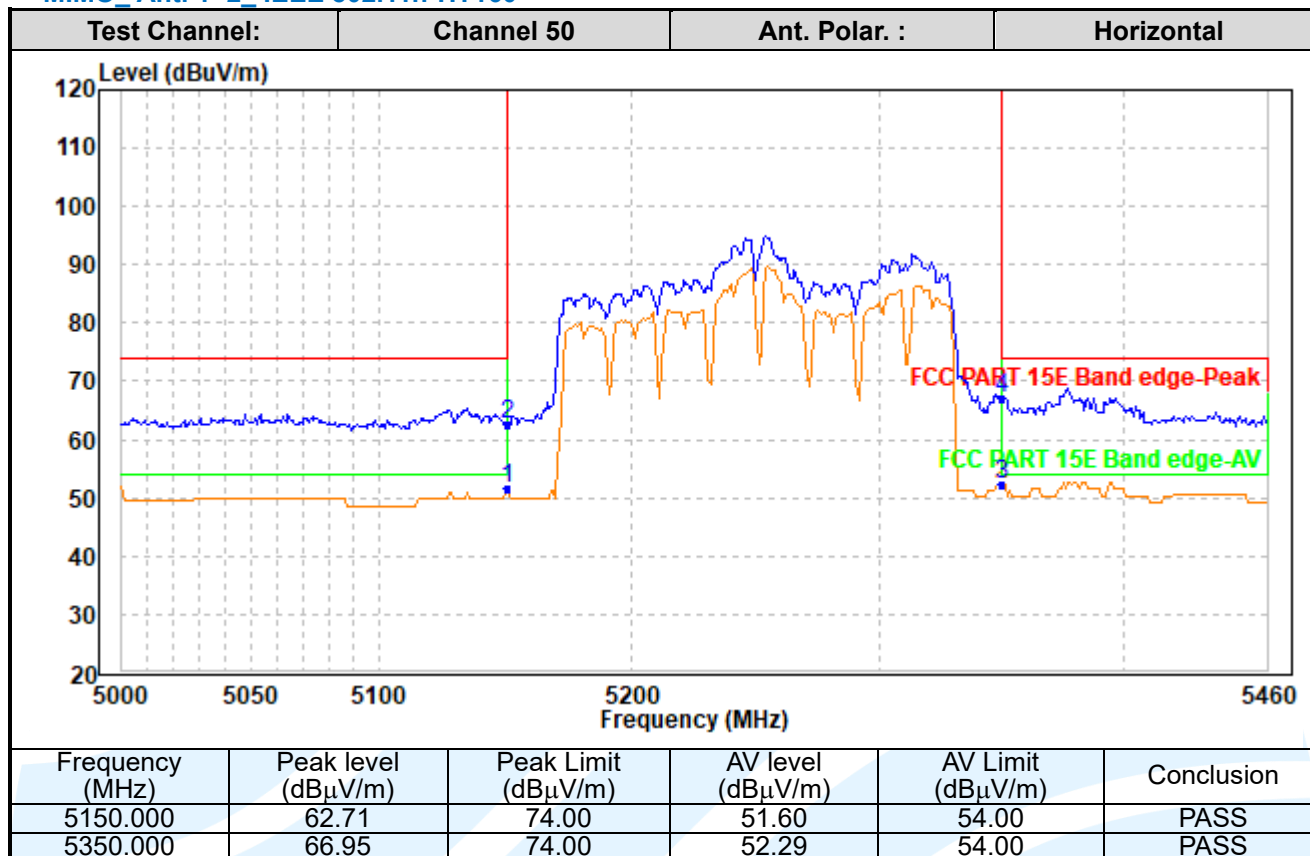
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MIMO_Ant. 1+2_ IEEE 802.11n-HT160



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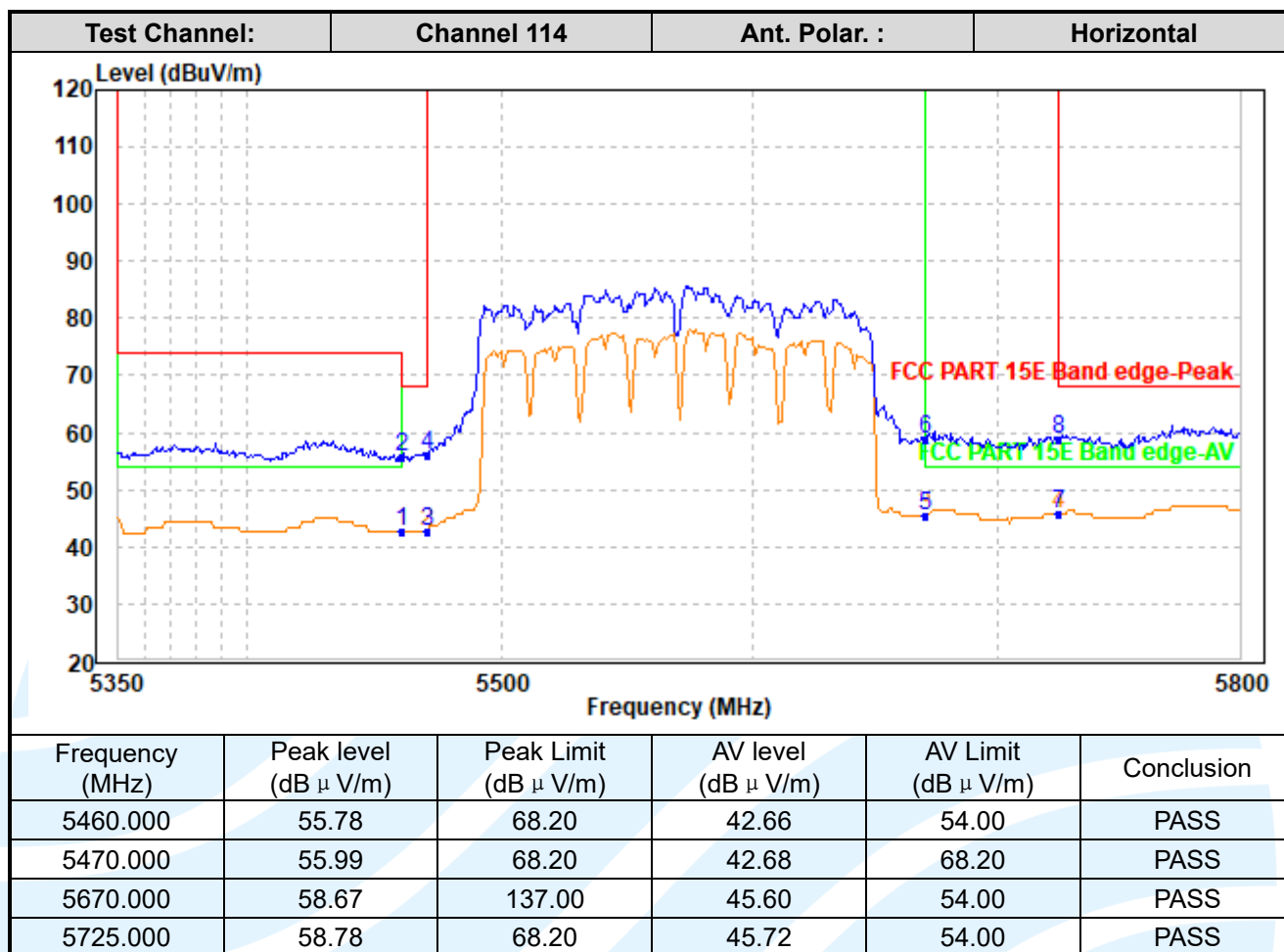
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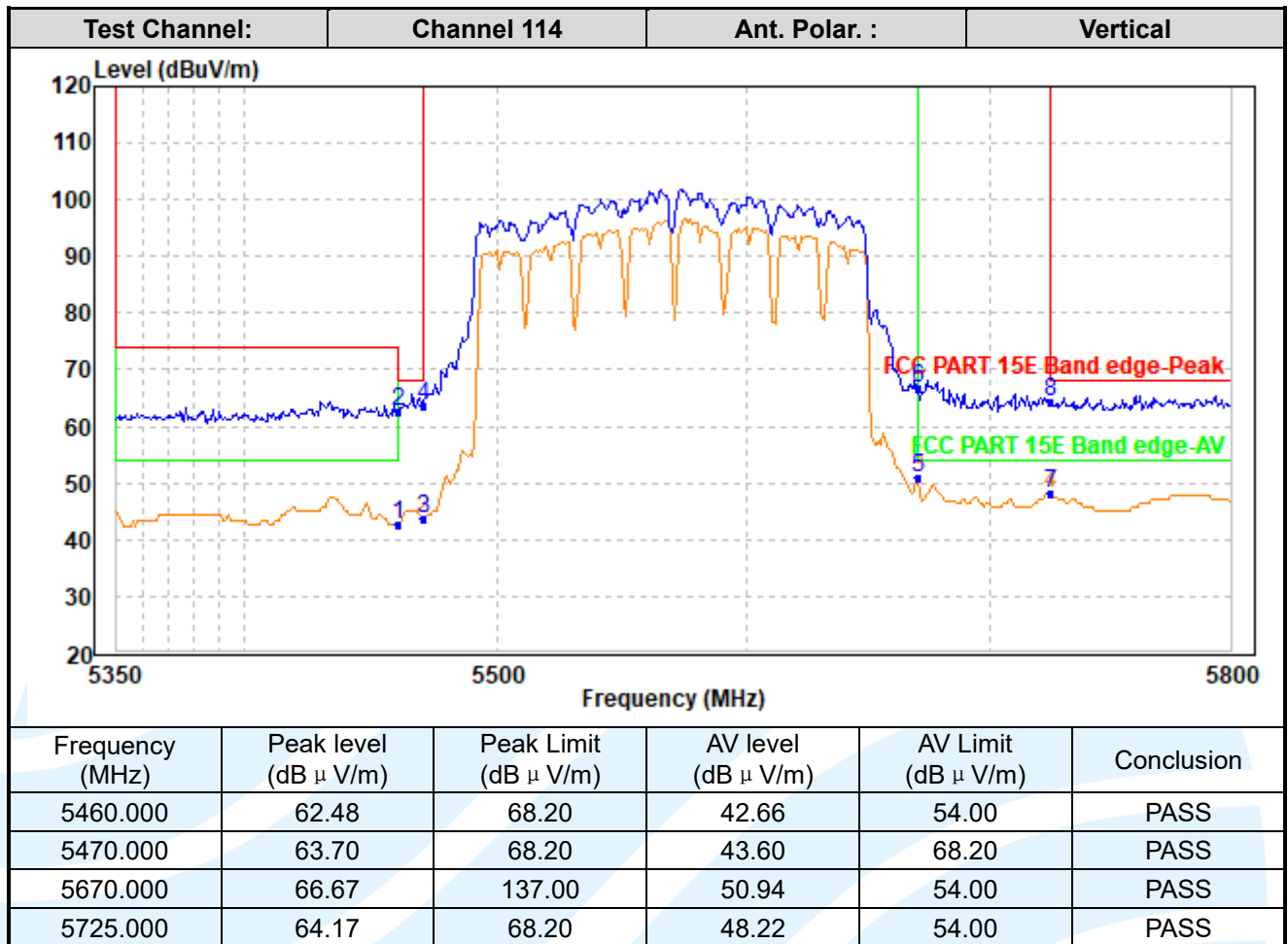
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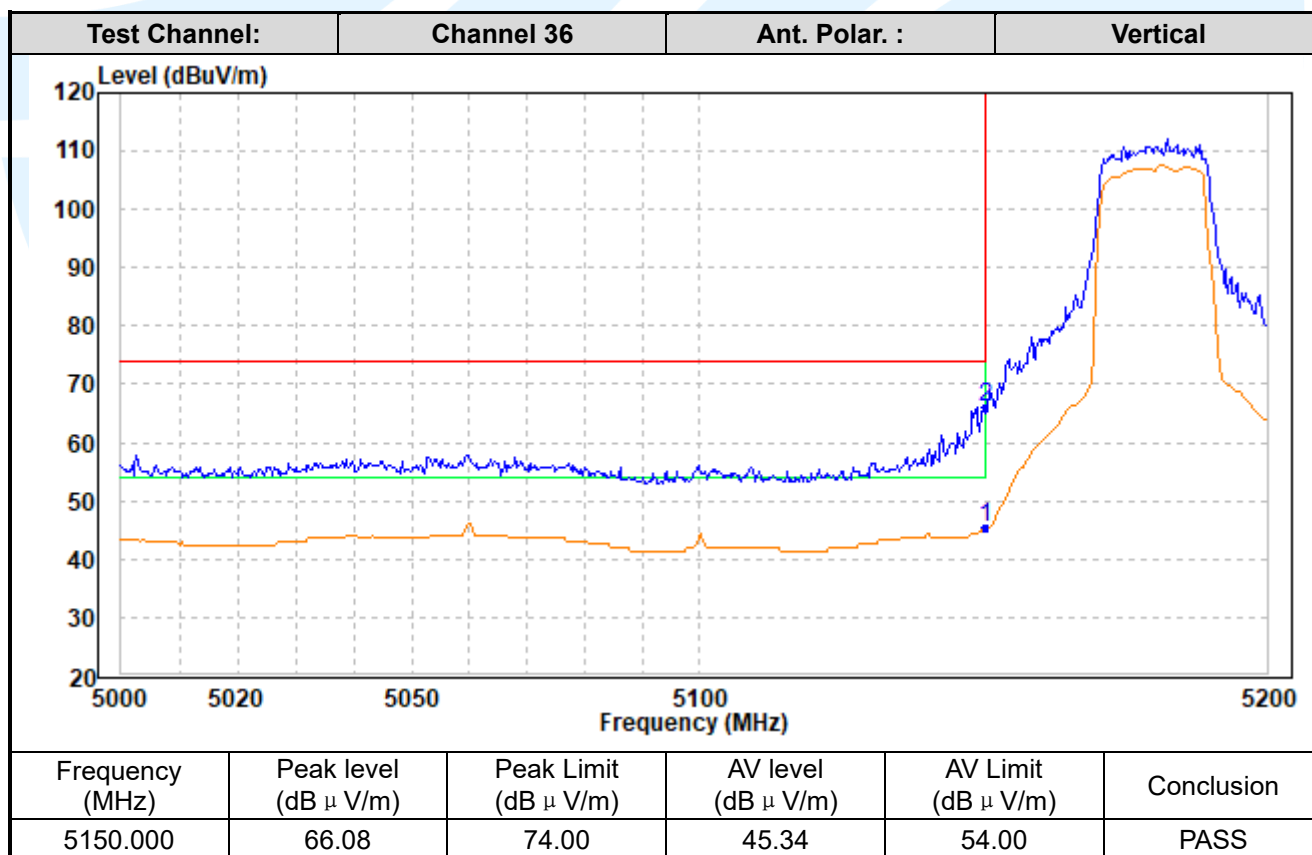
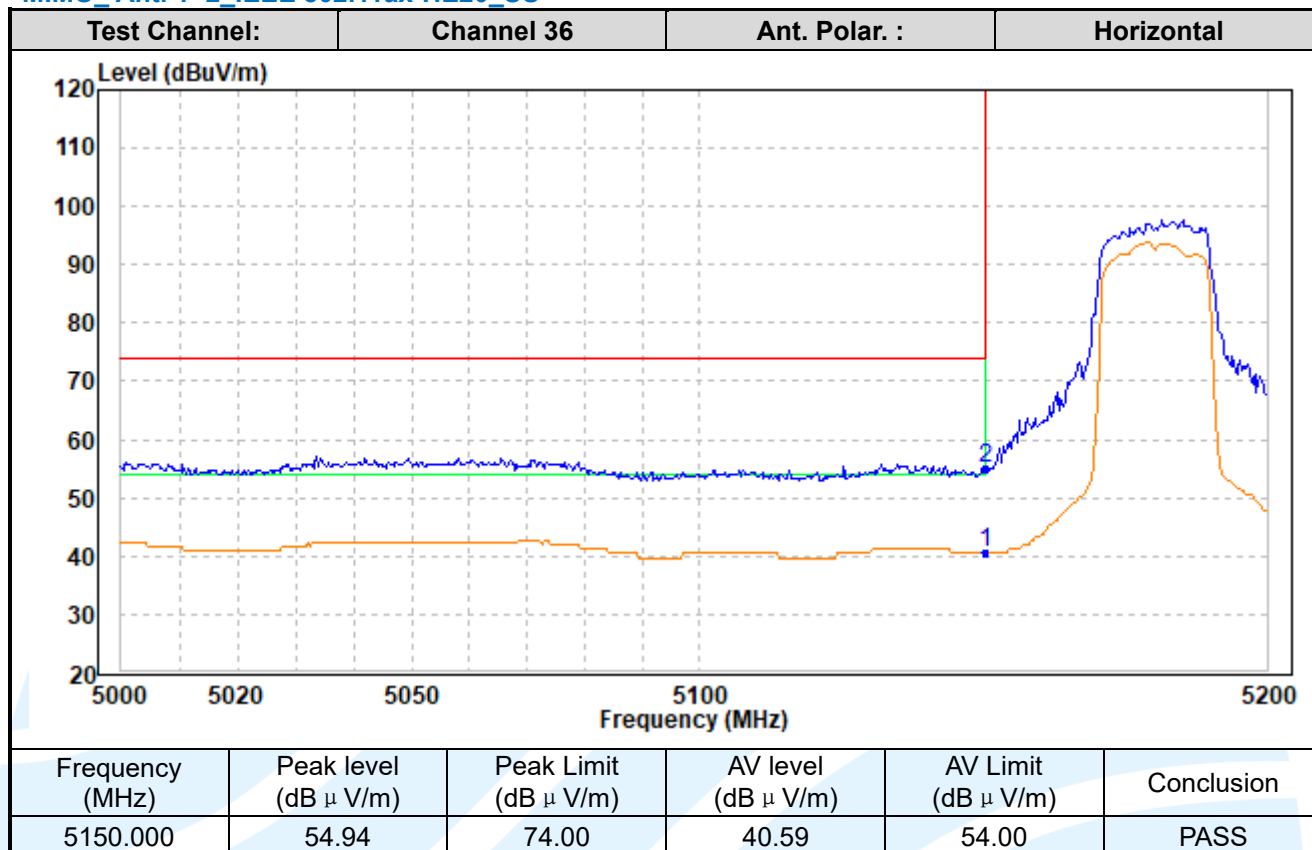
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MIMO_Ant. 1+2_ IEEE 802.11ax-HE20_SU



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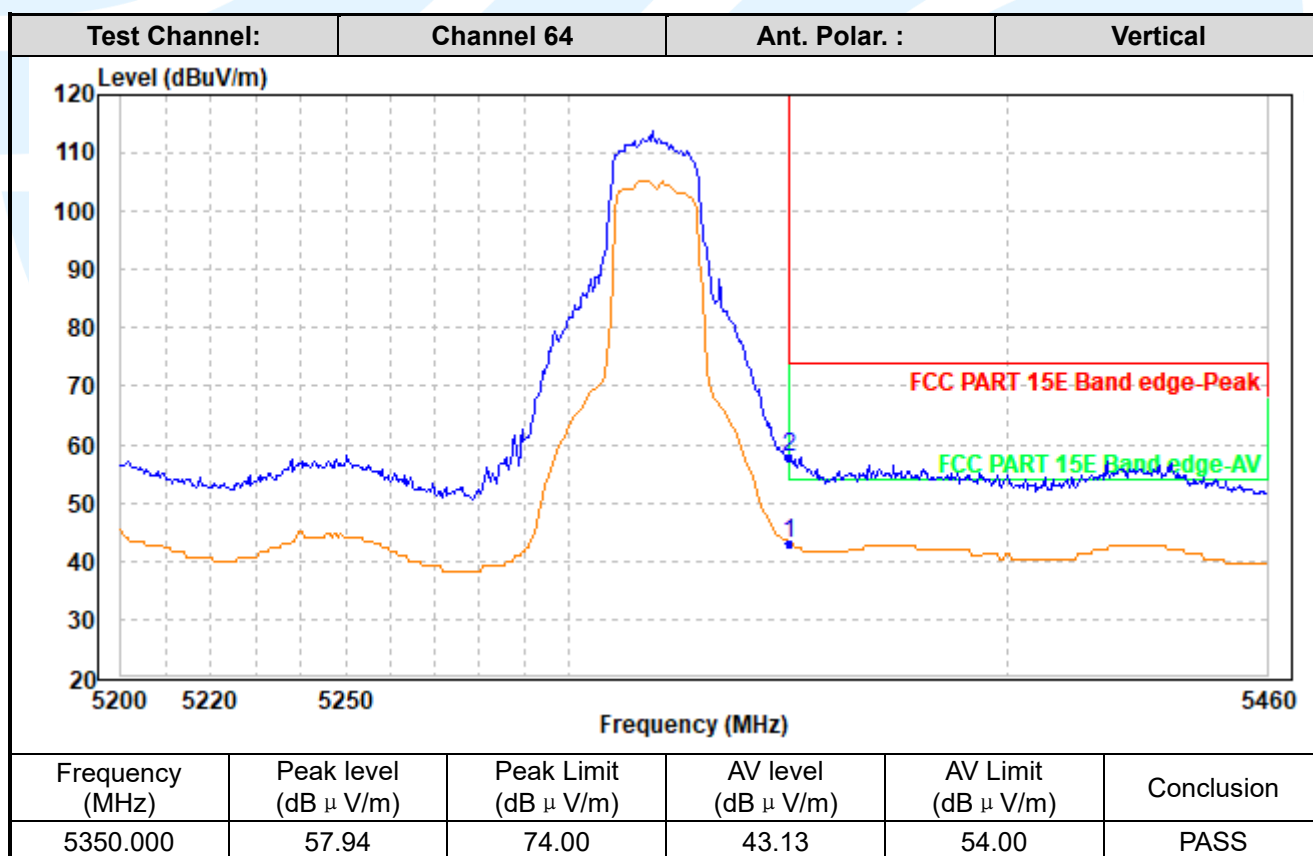
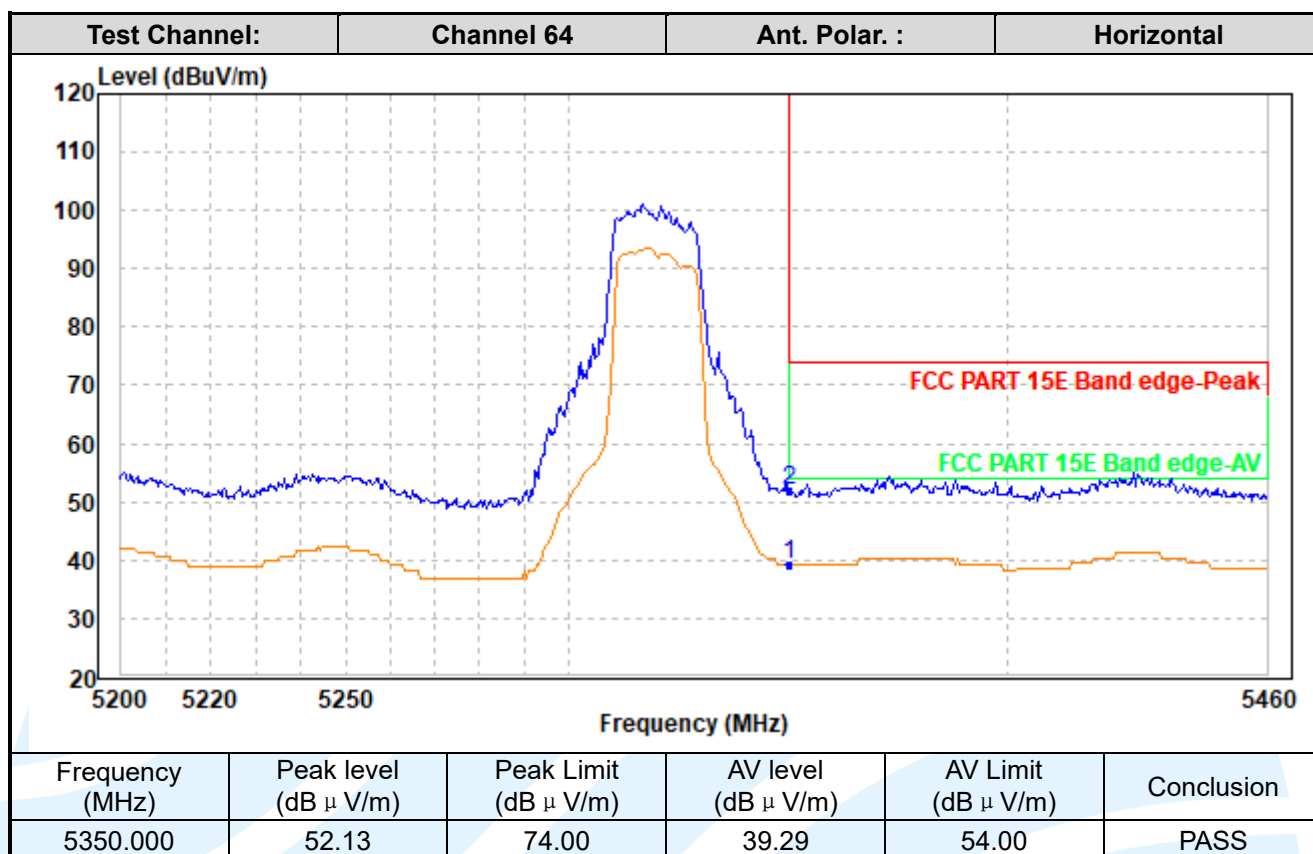
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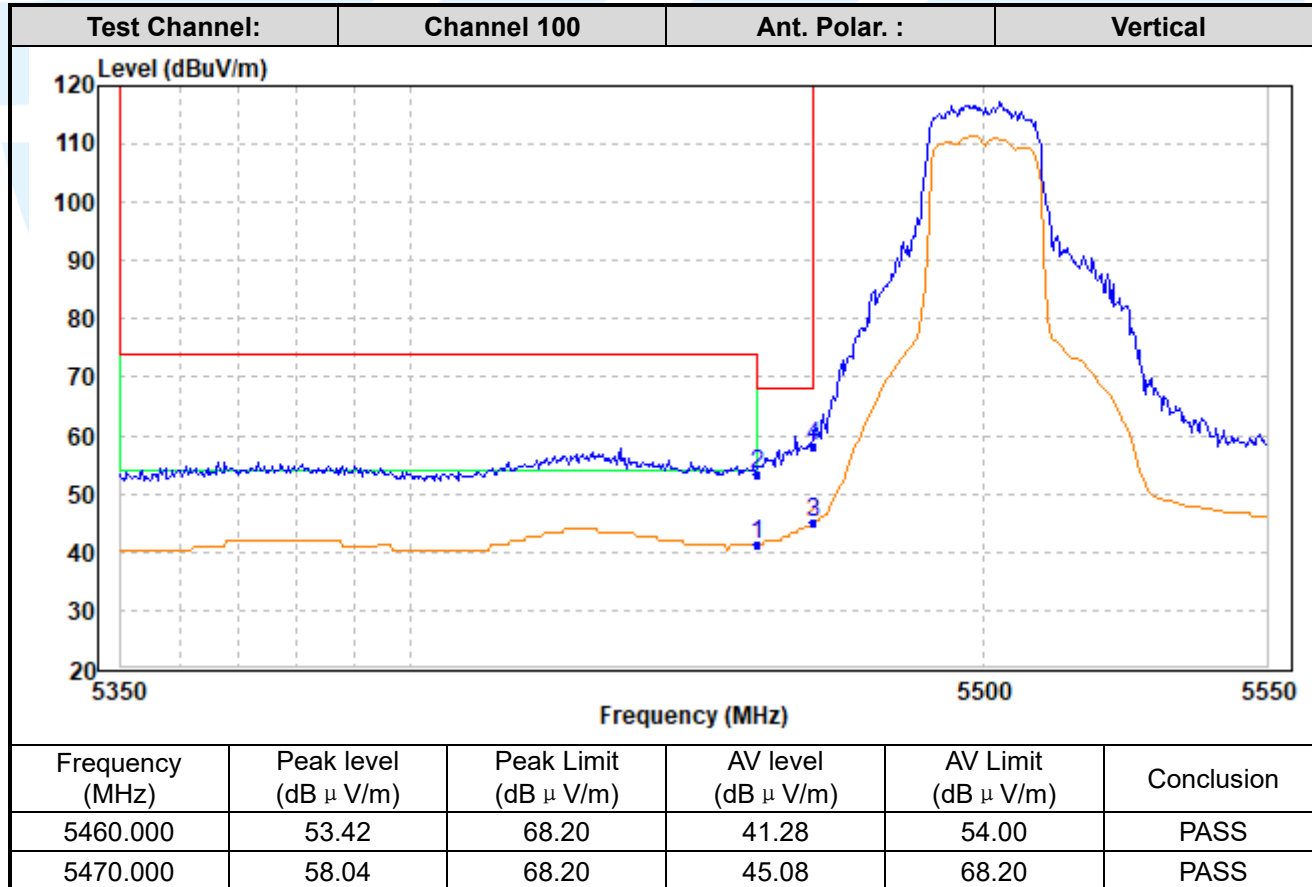
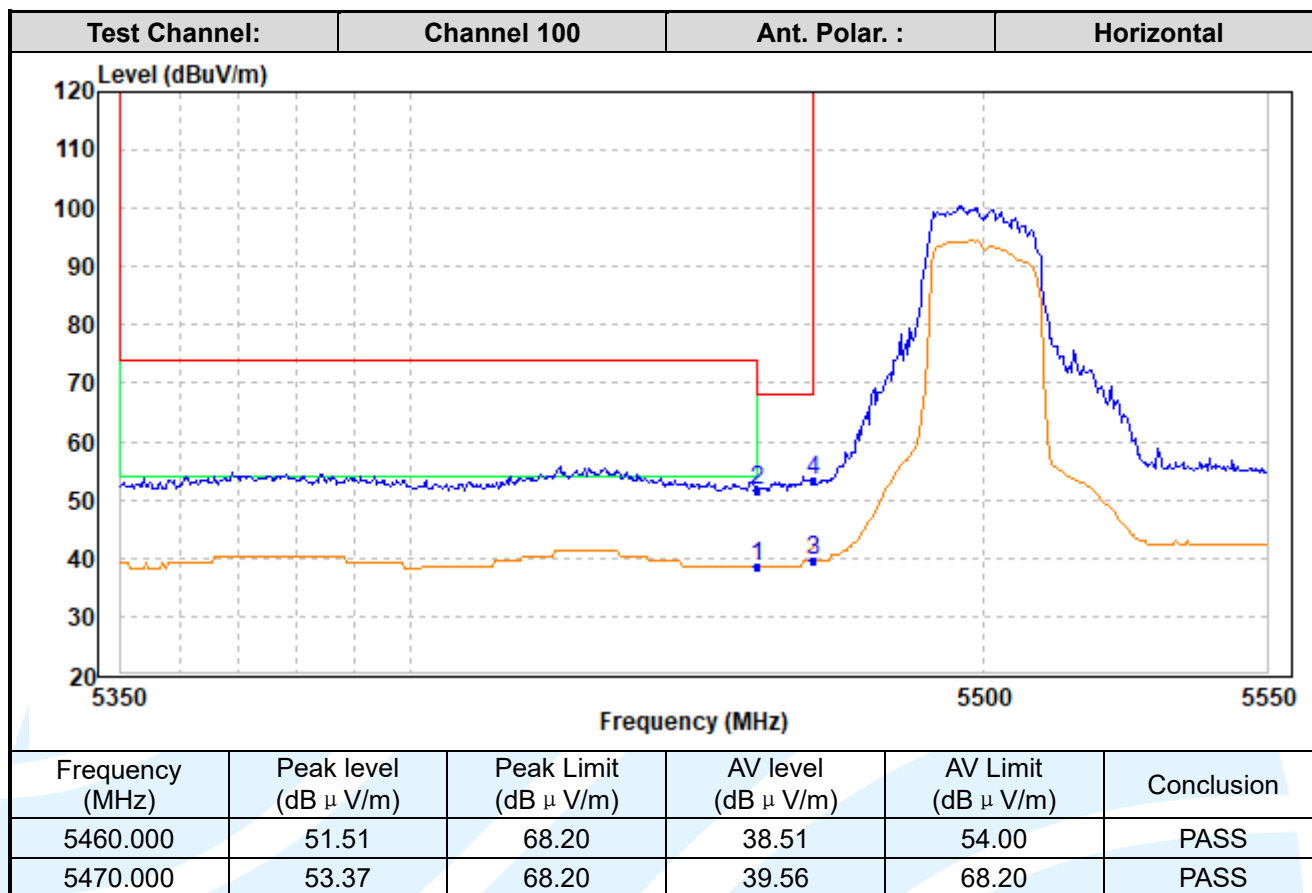
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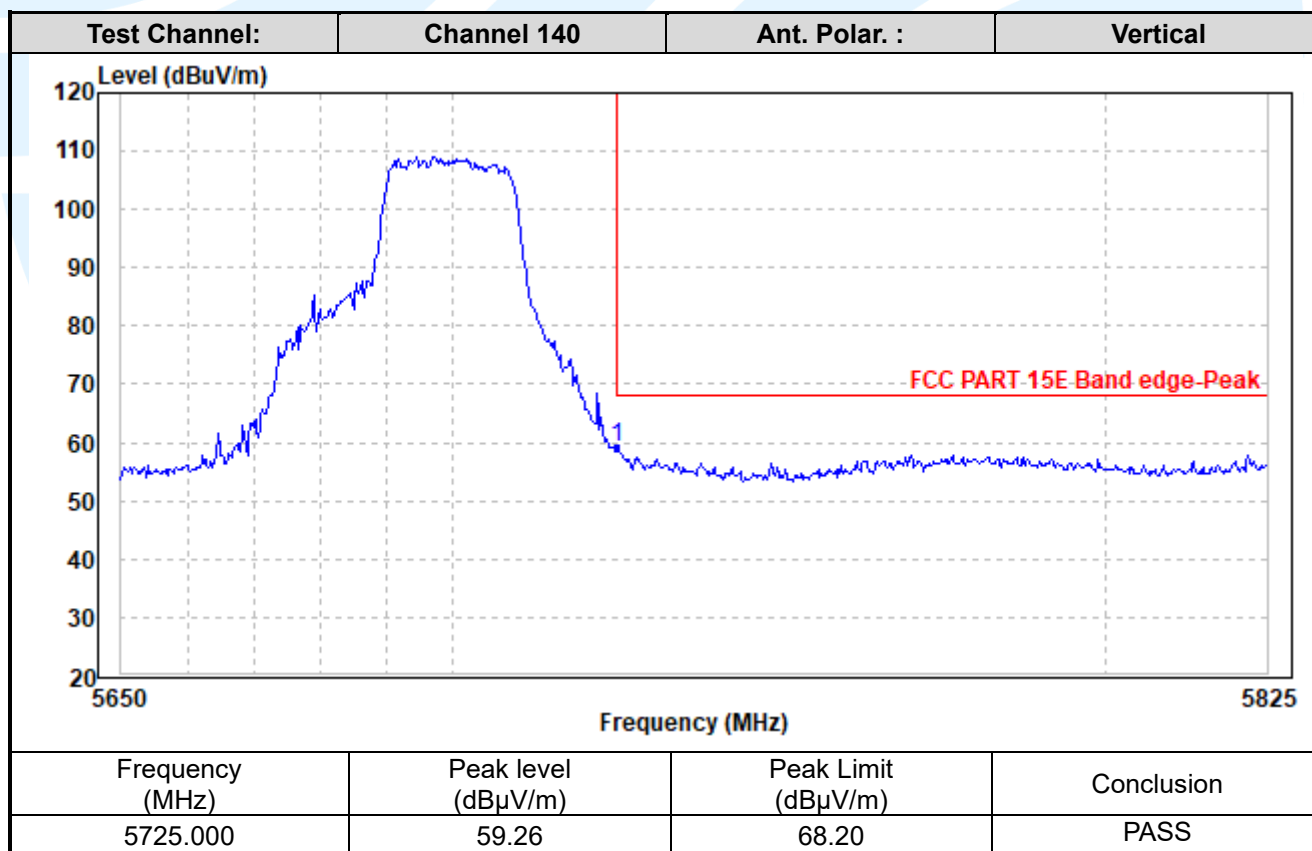
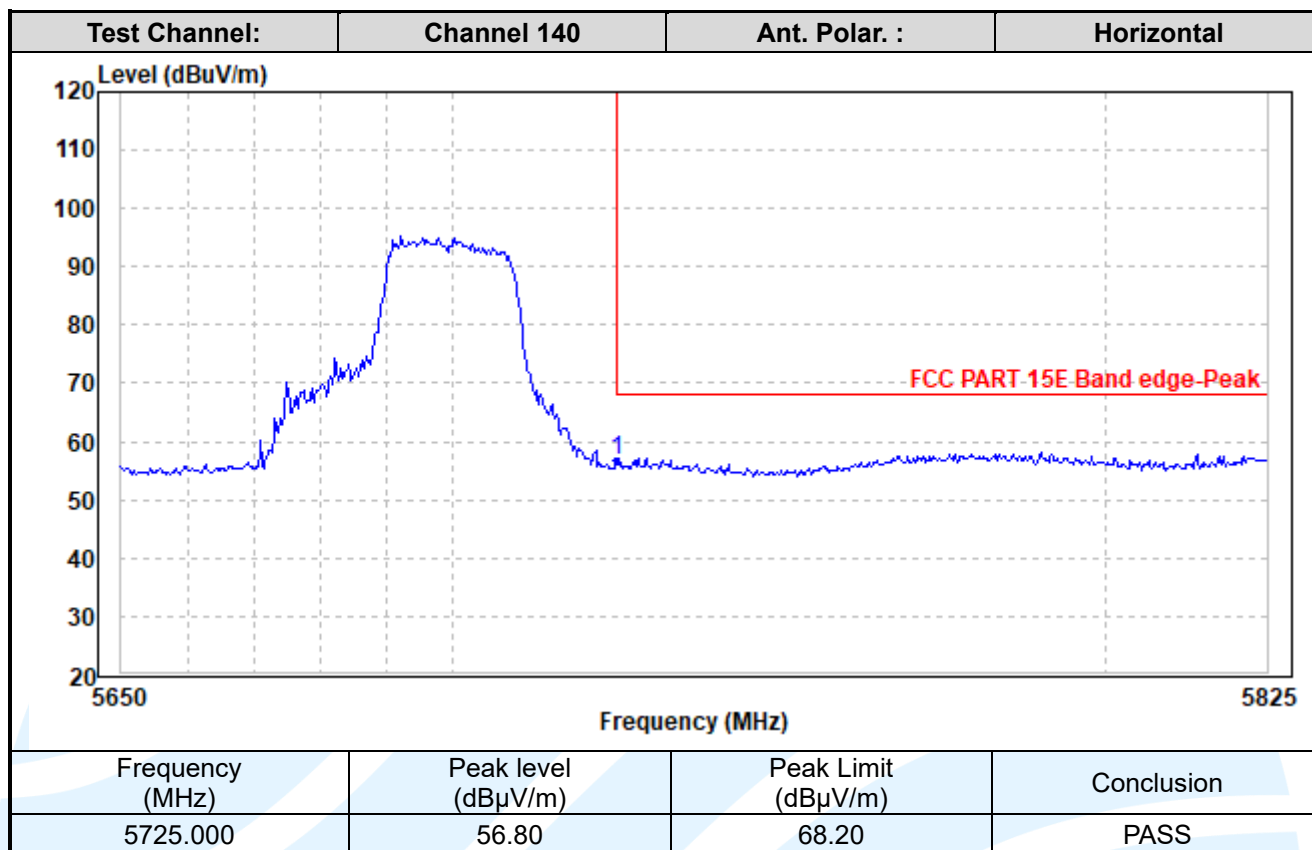
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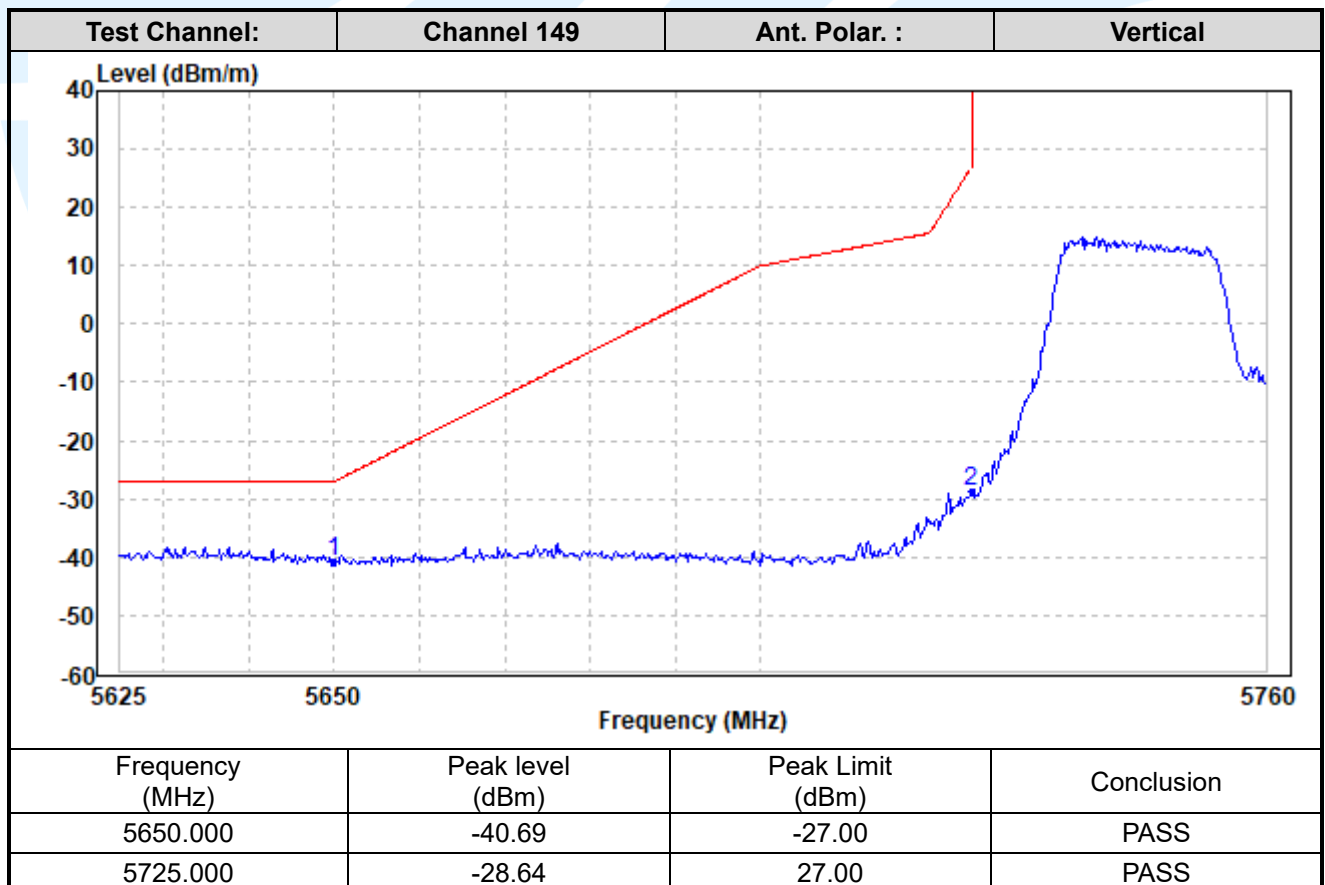
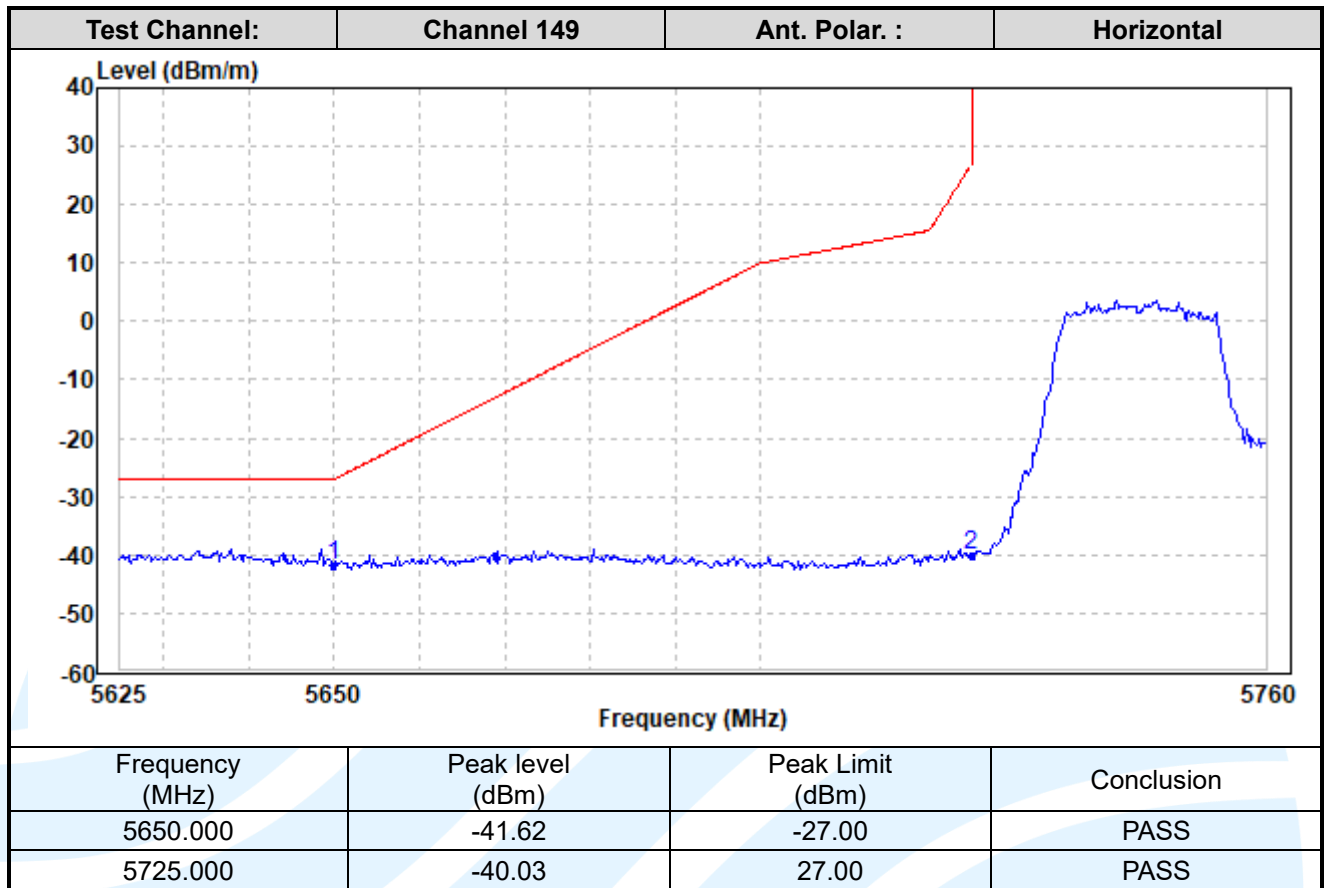
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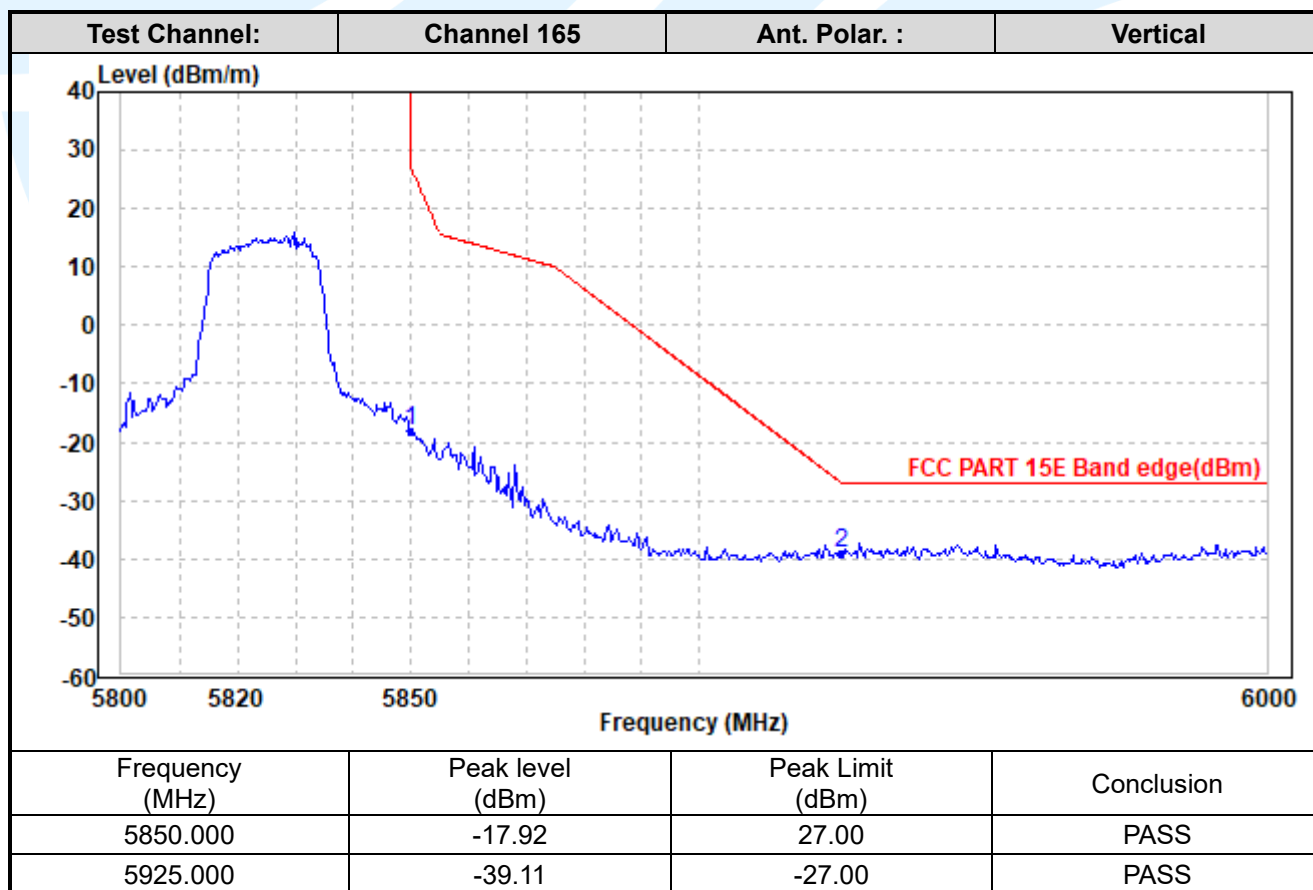
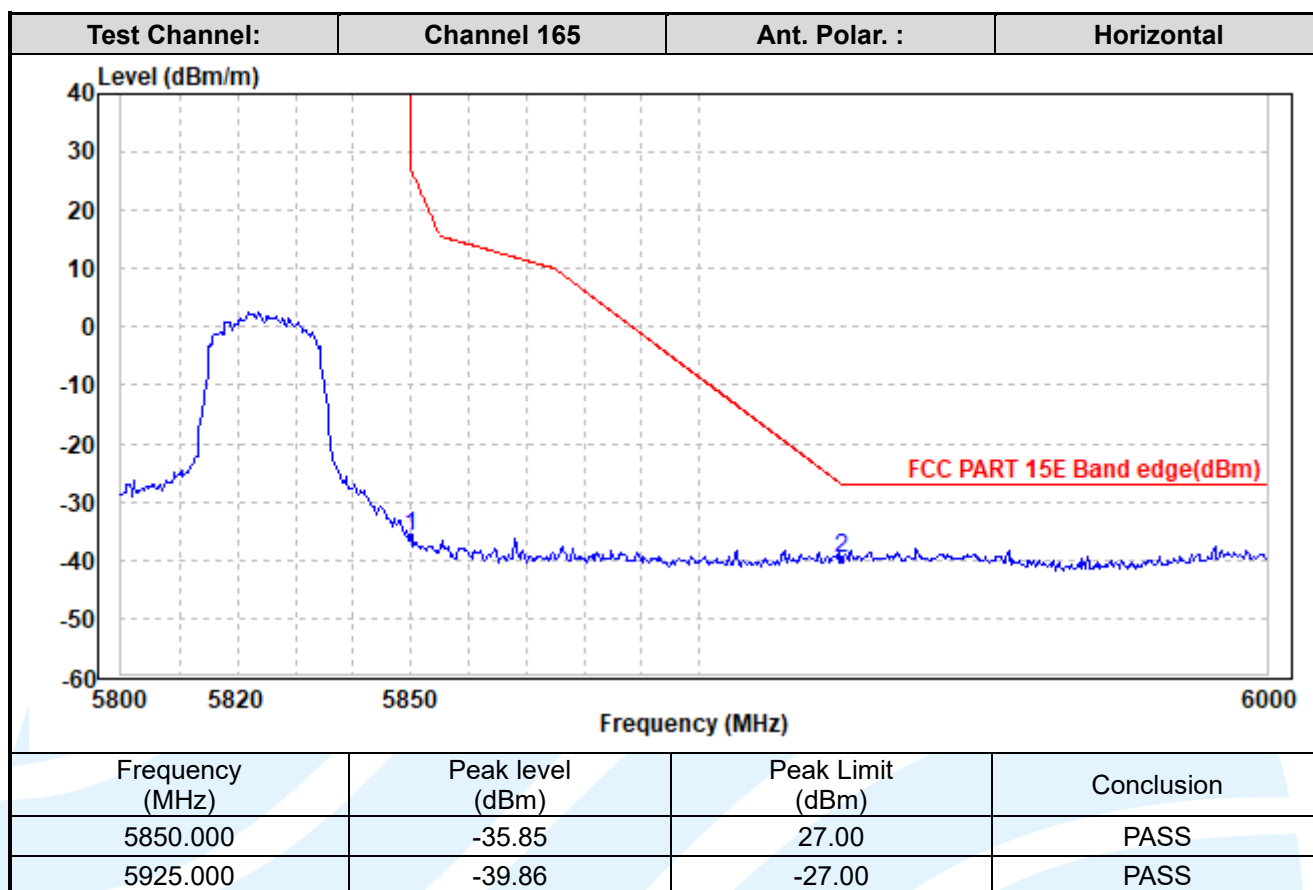
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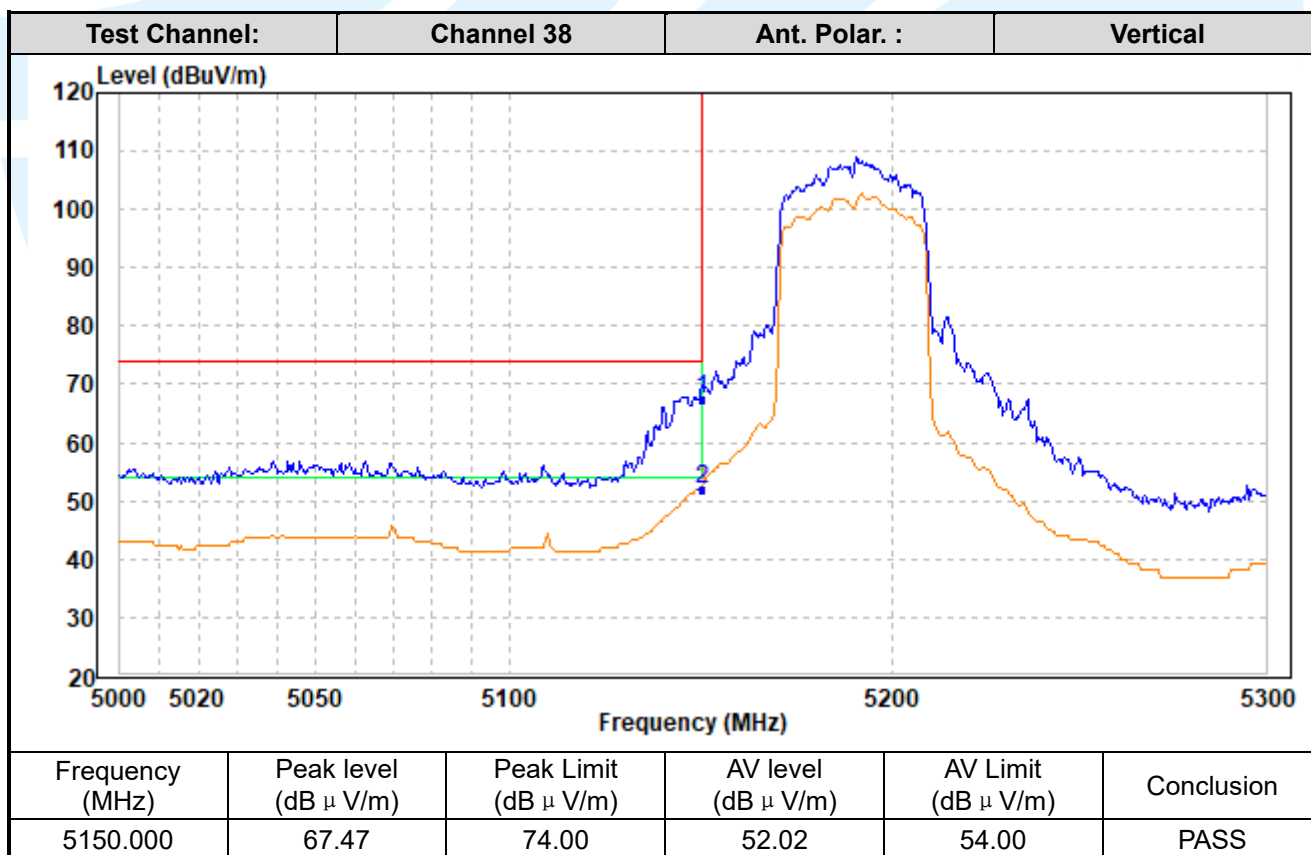
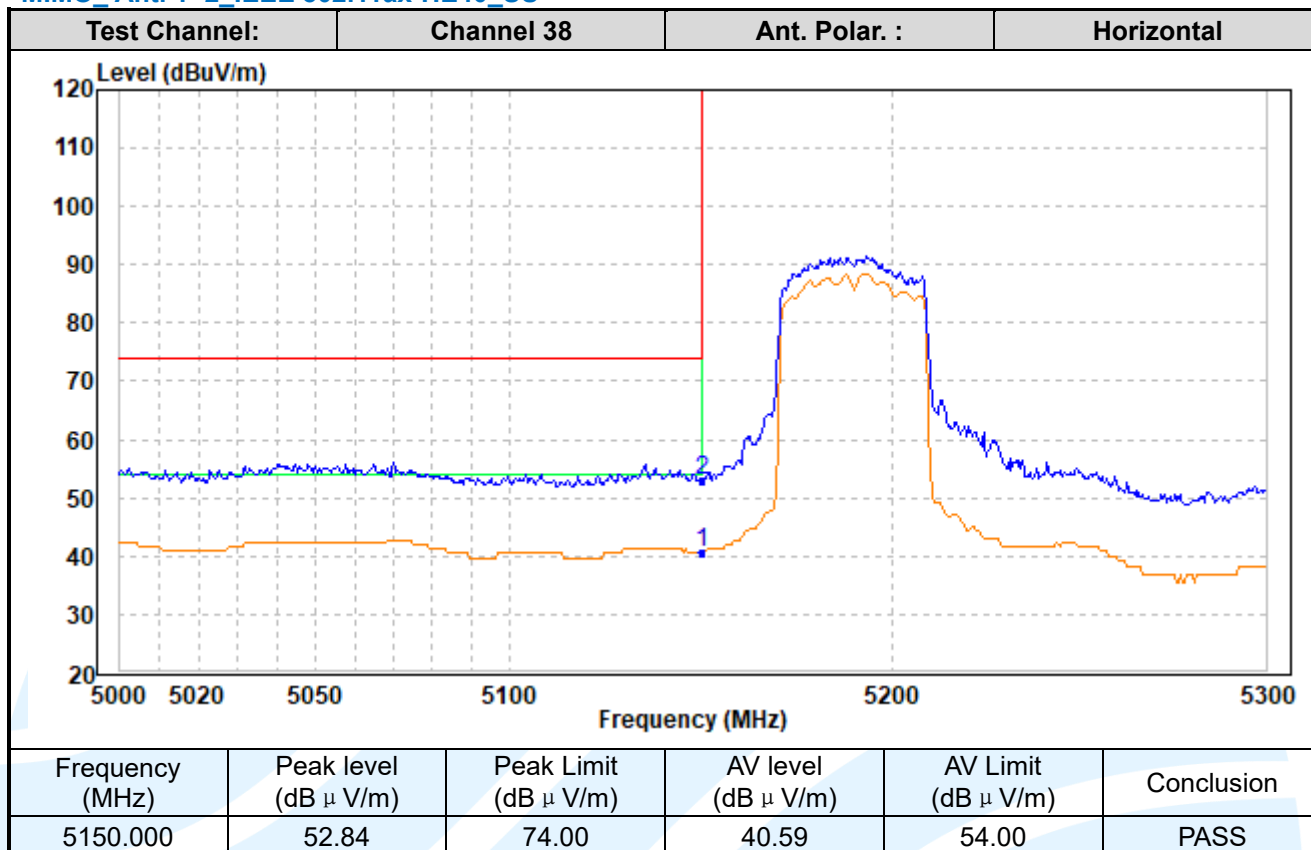
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MIMO_Ant. 1+2_ IEEE 802.11ax-HE40_SU



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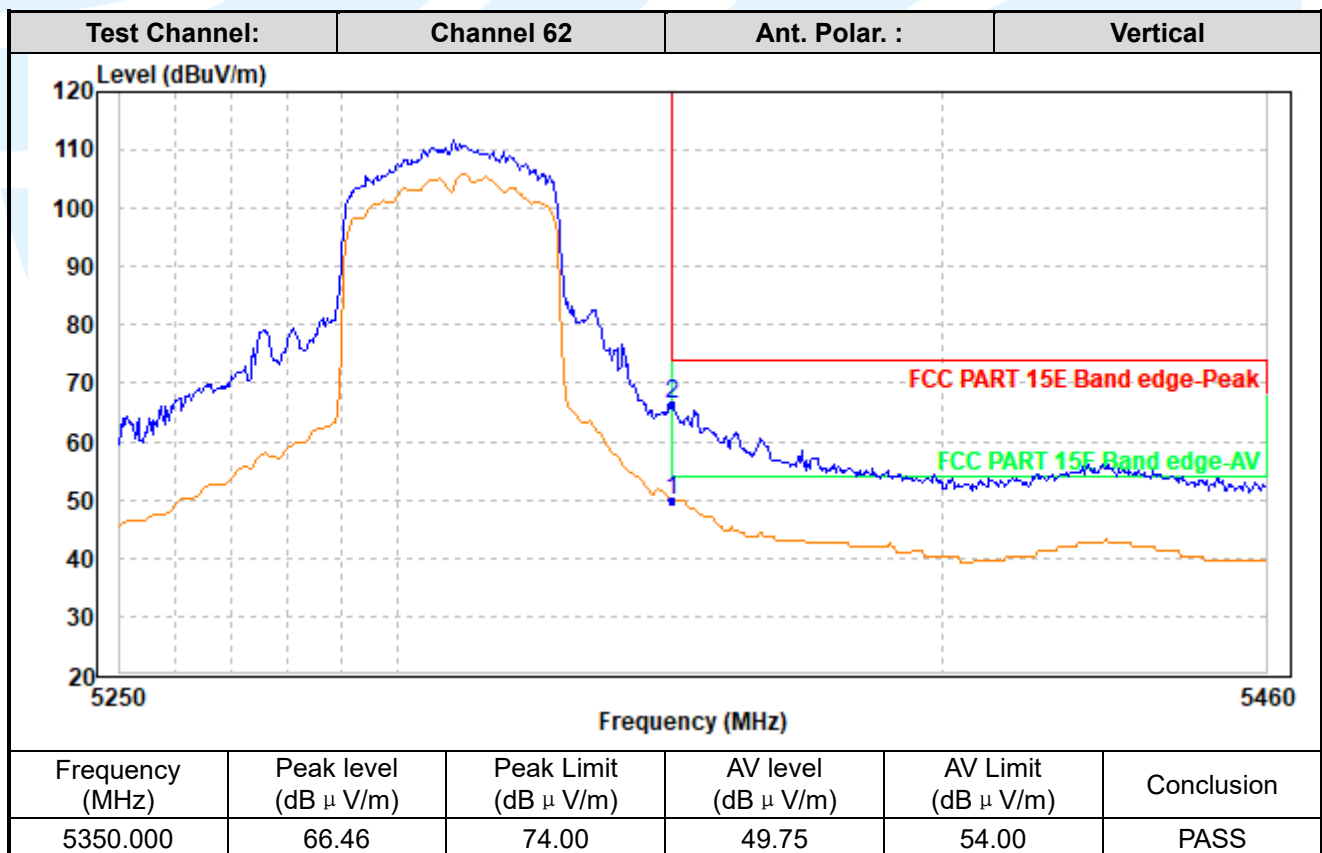
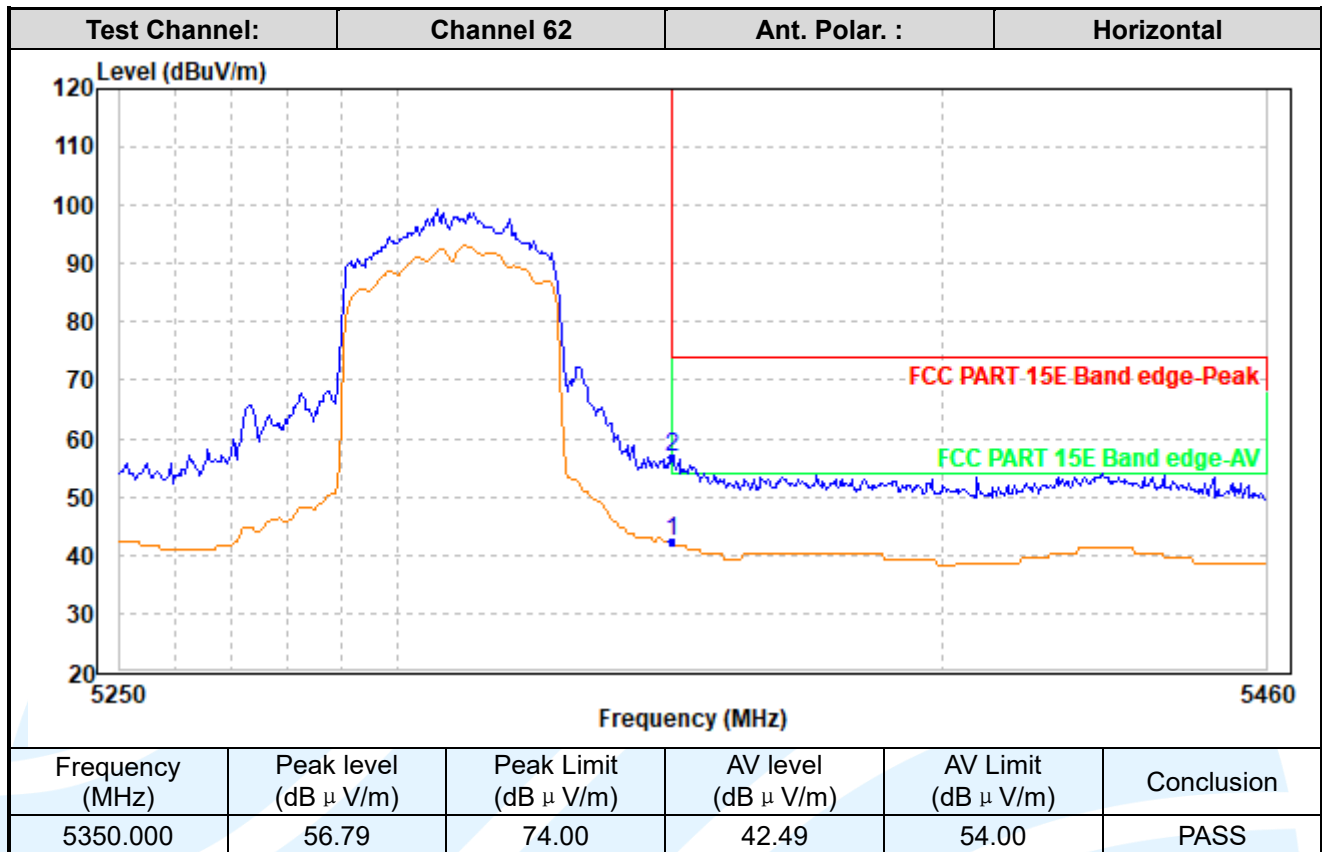
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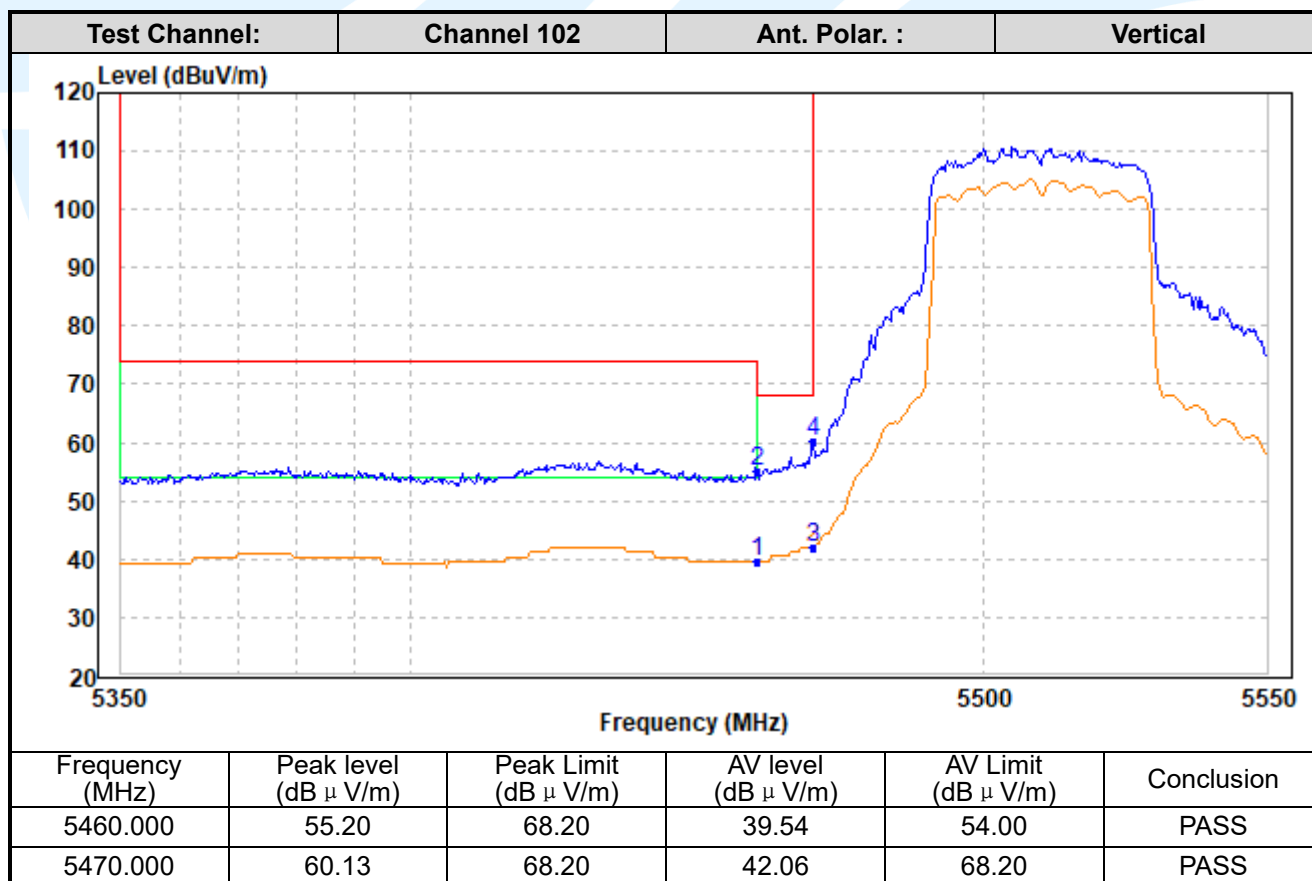
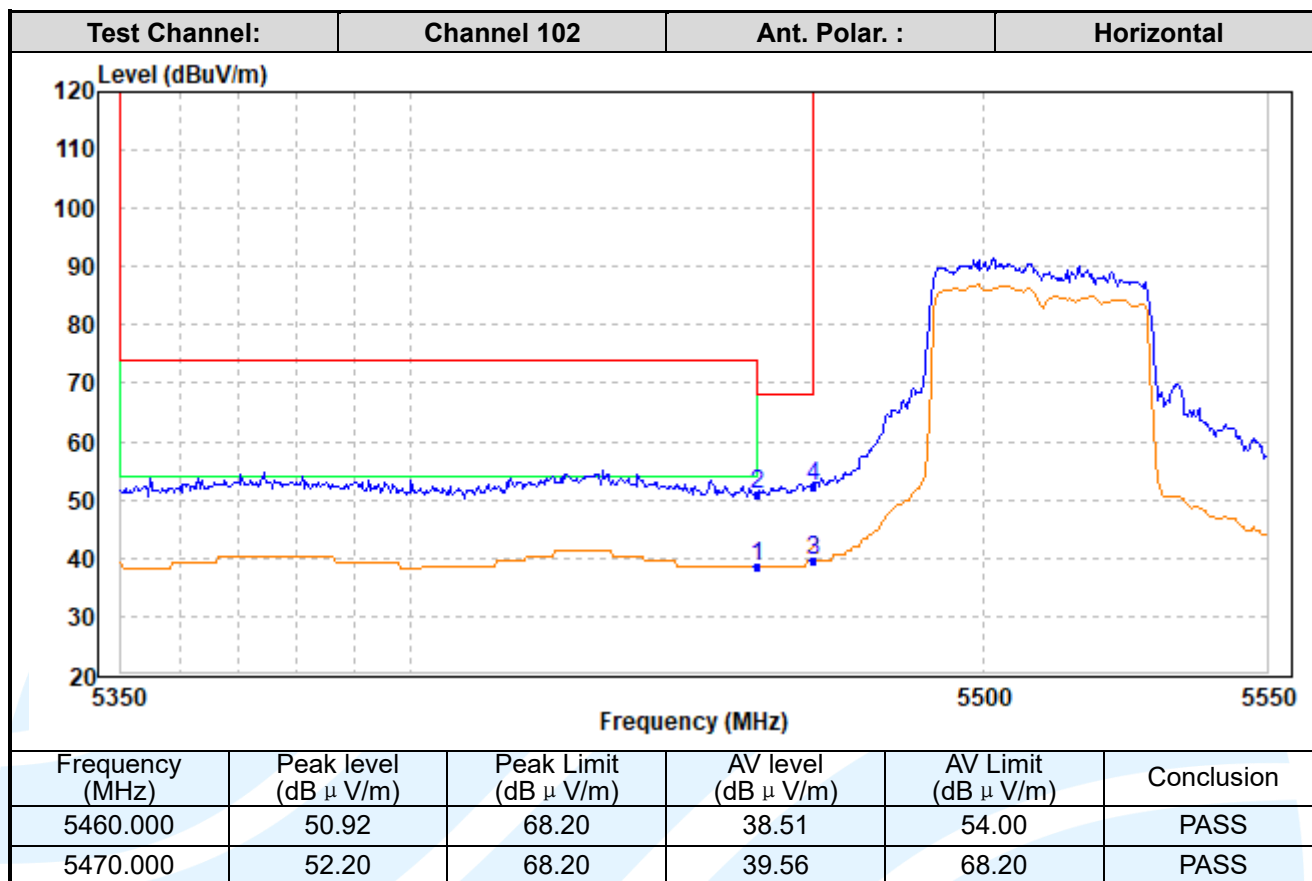
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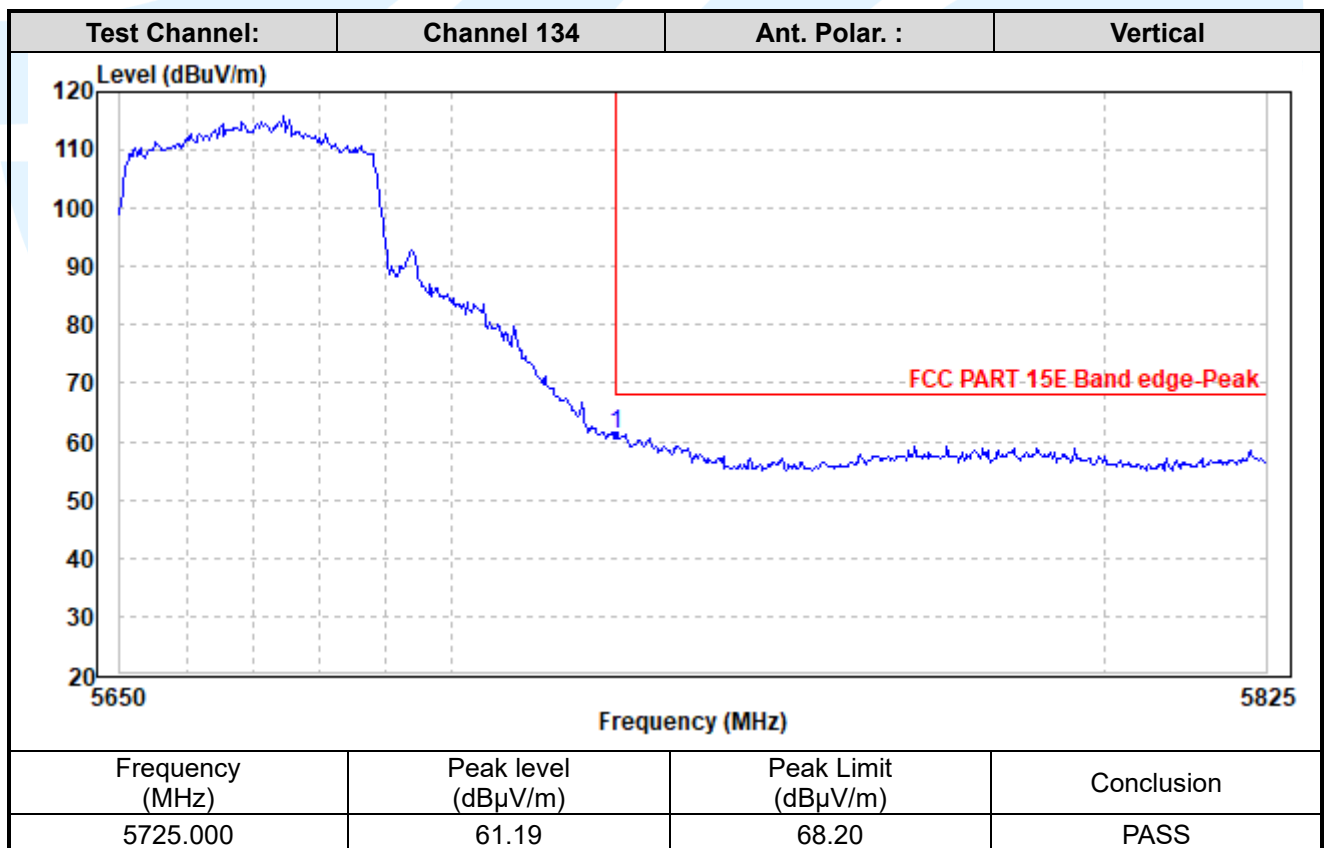
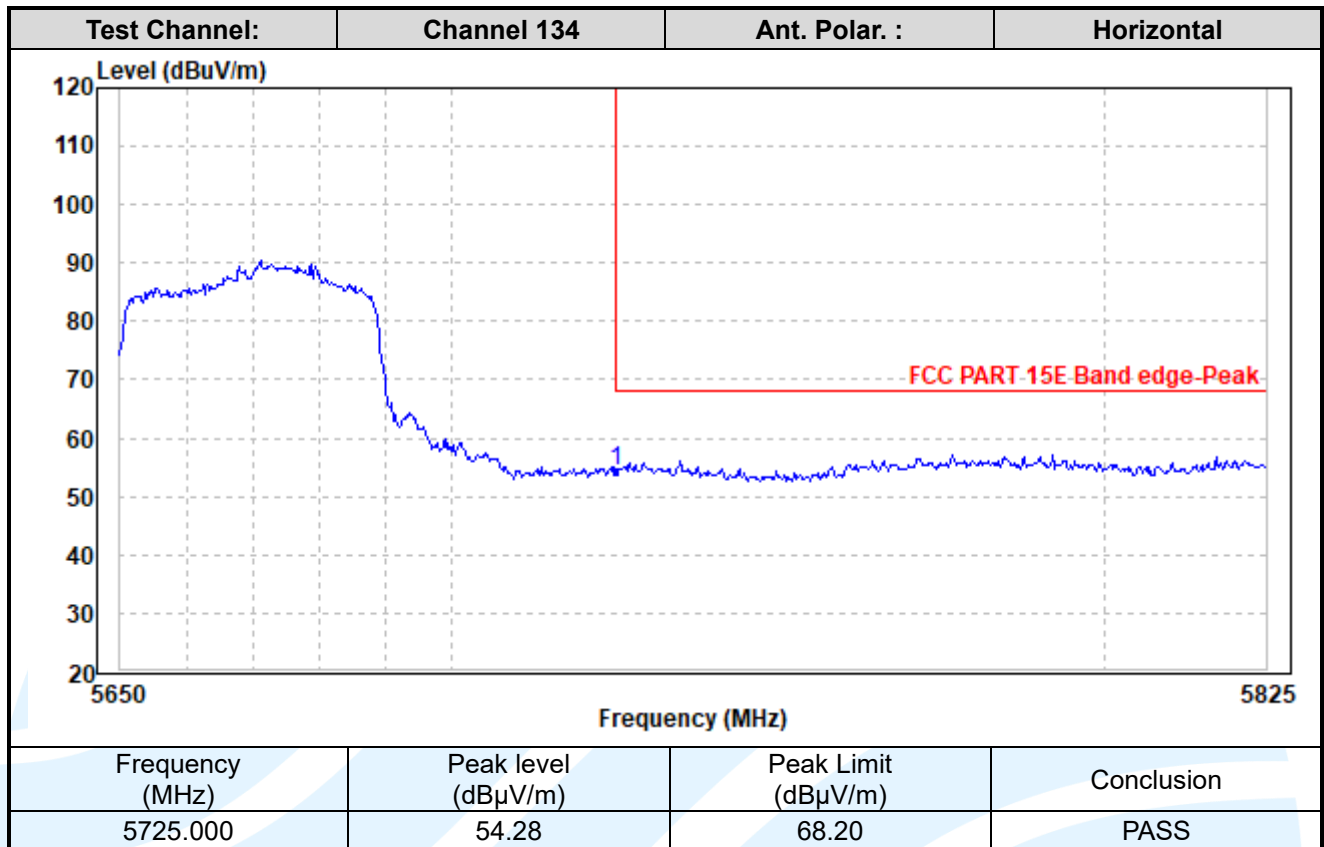
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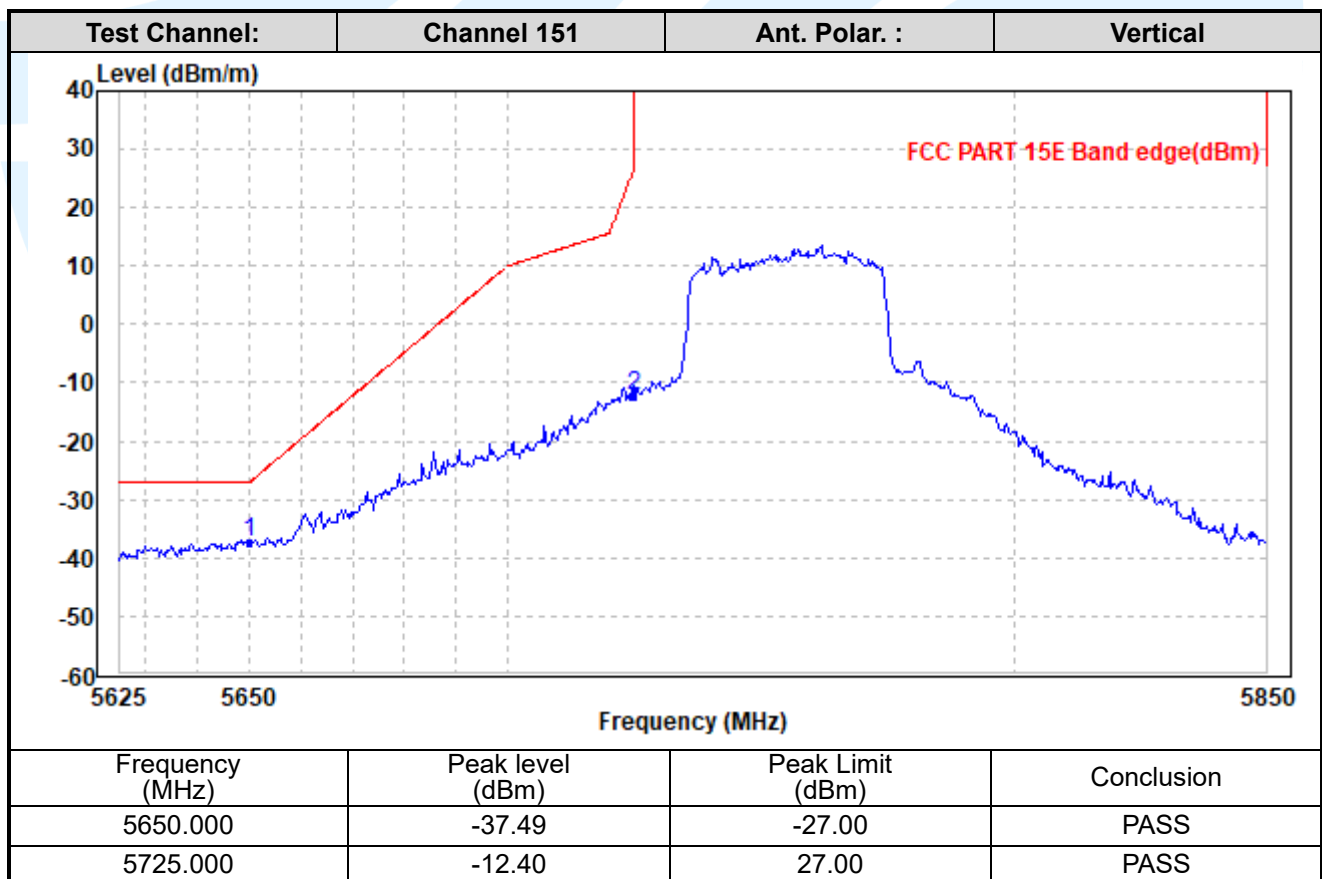
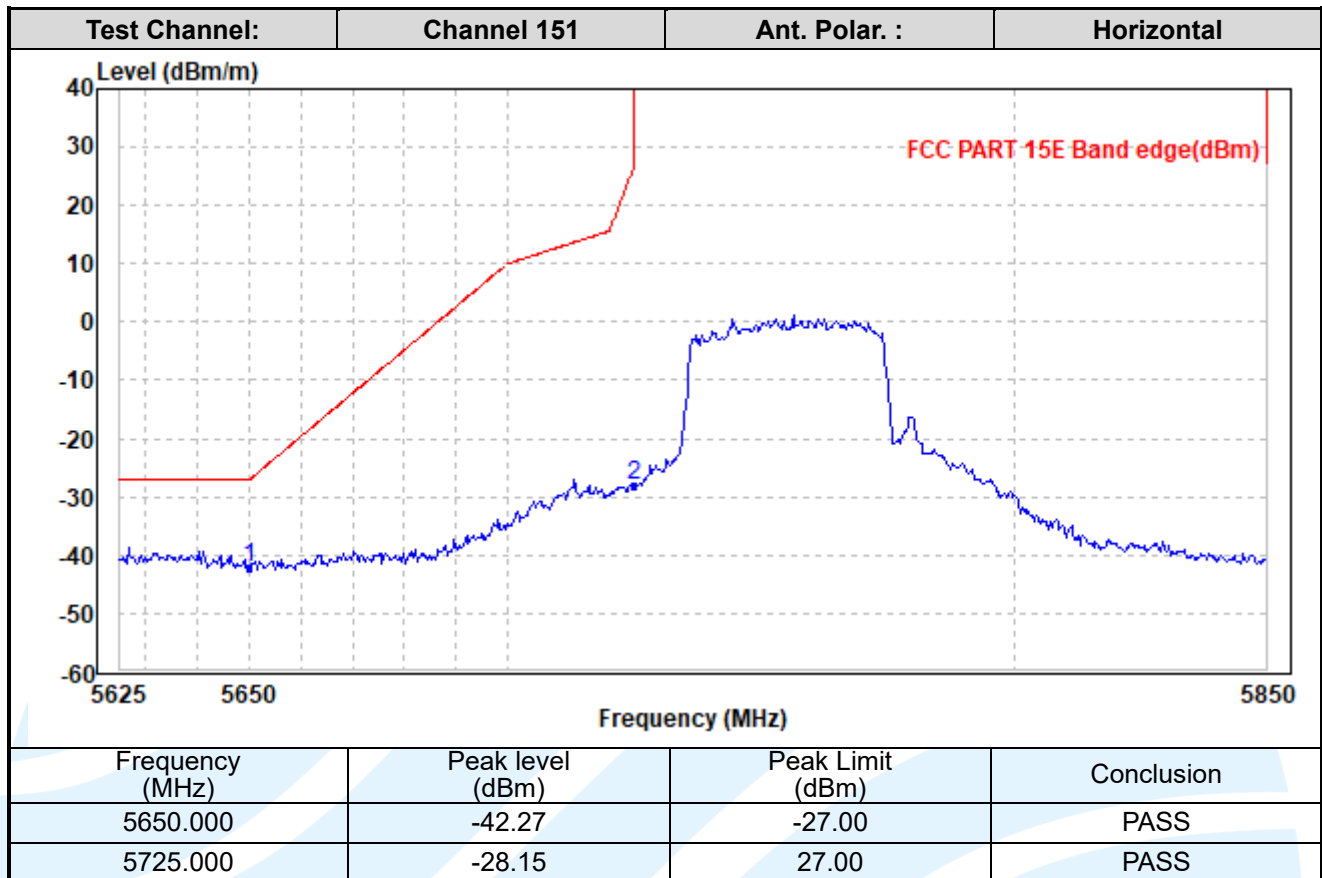
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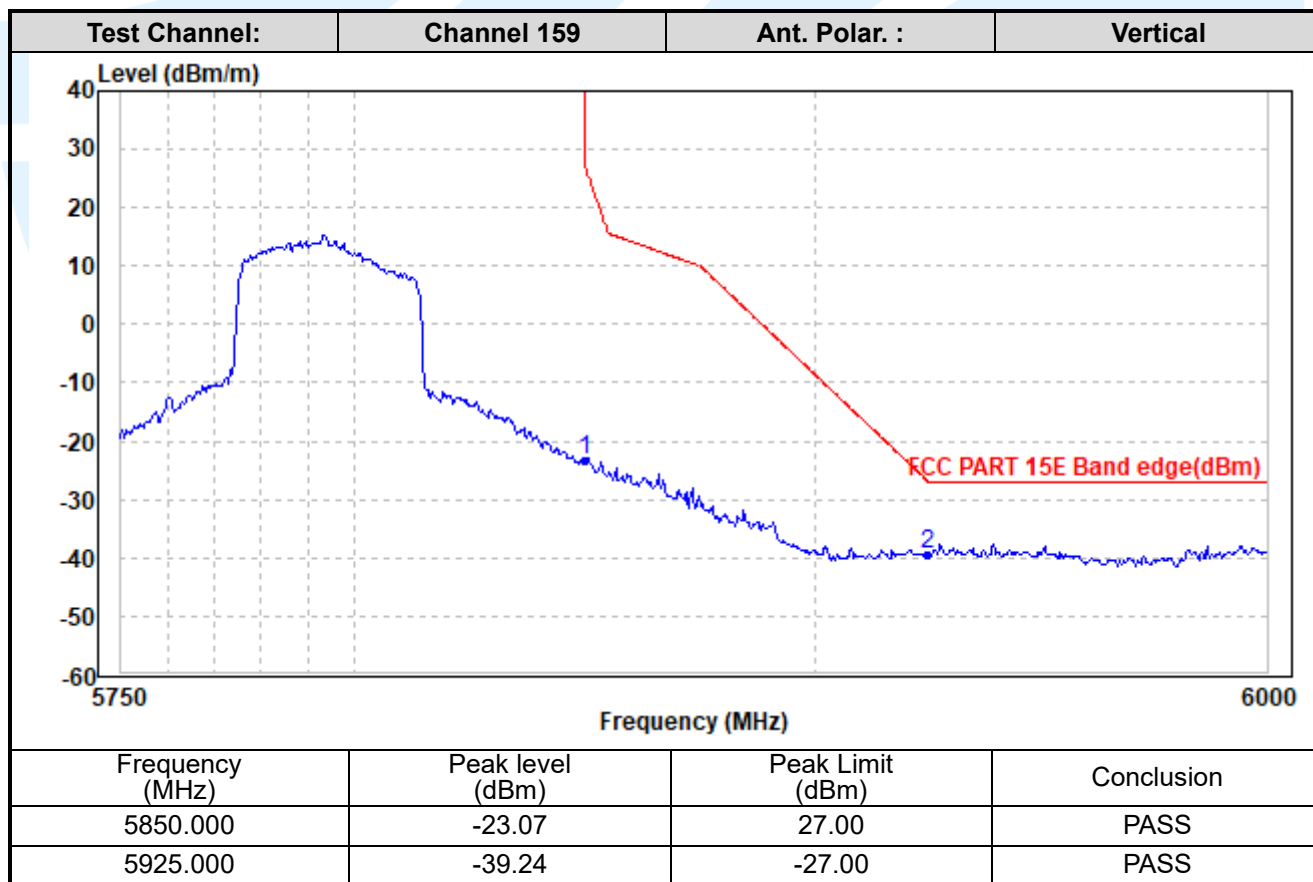
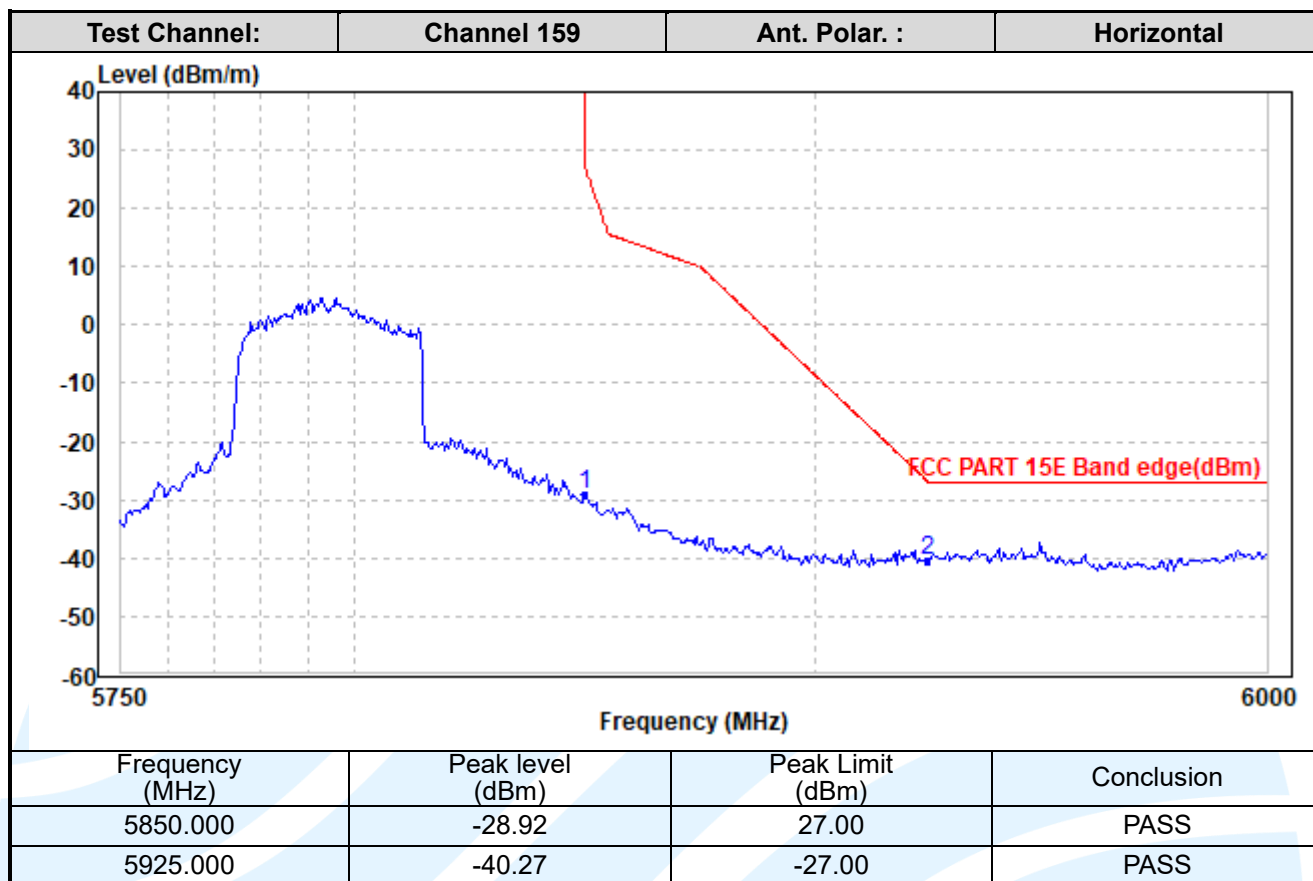
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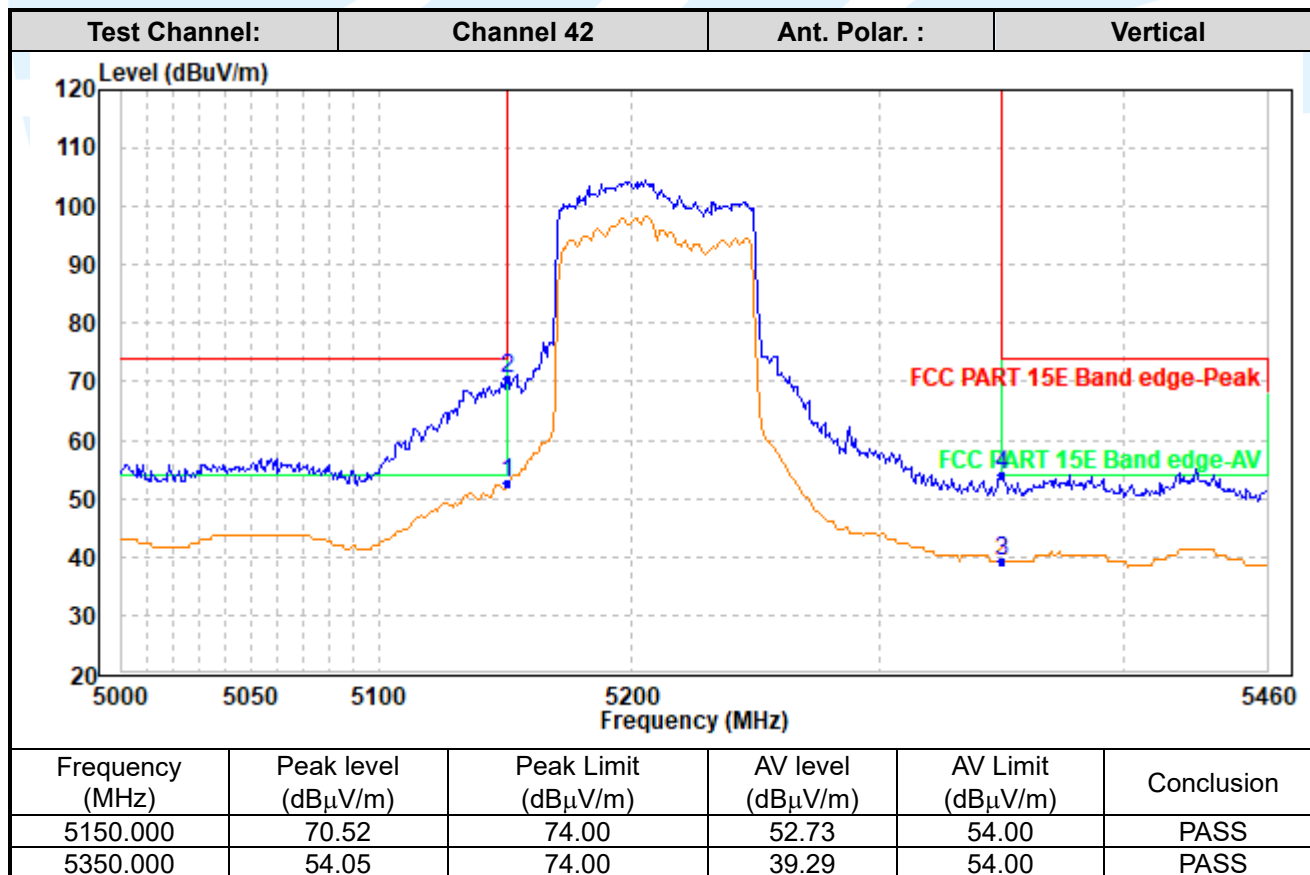
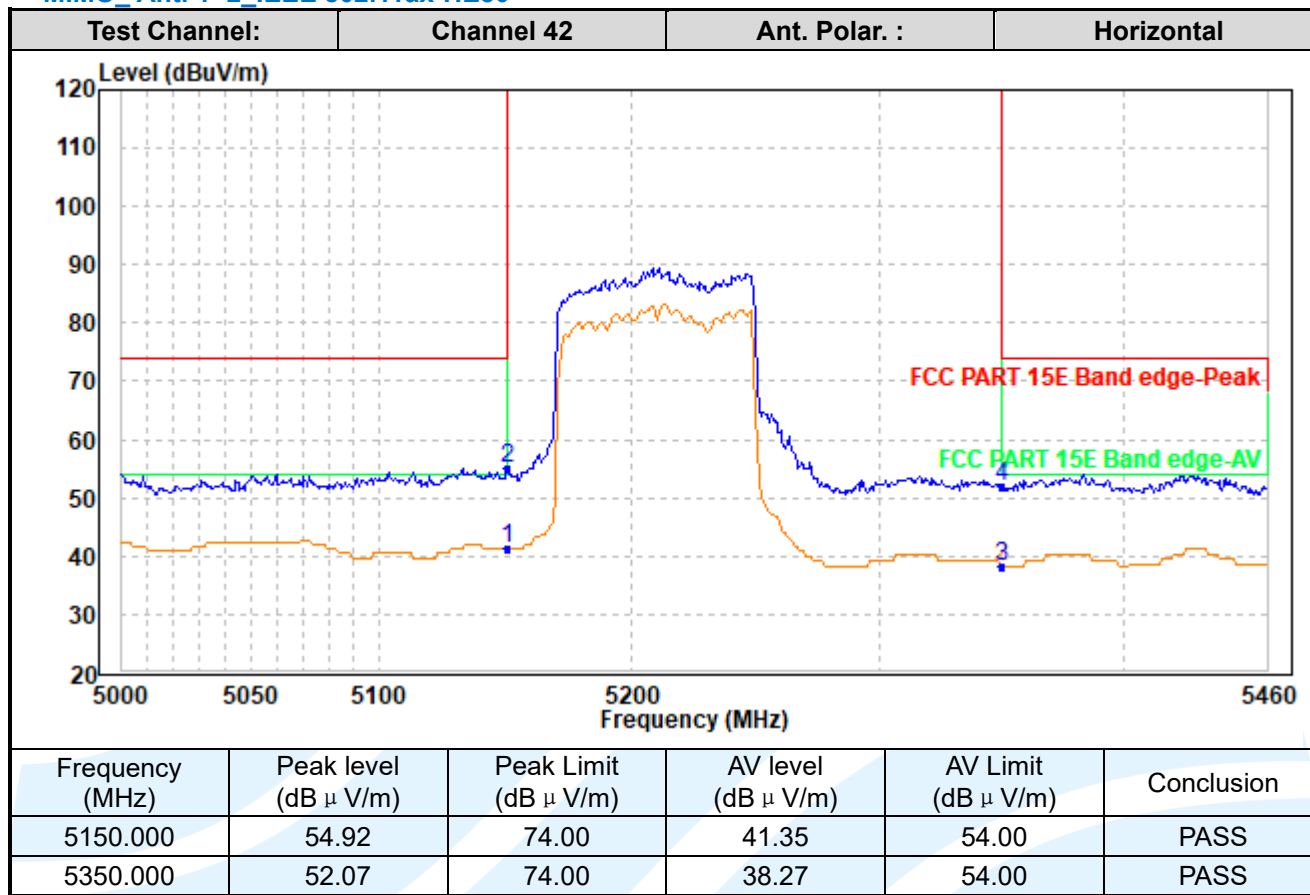
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MIMO_Ant. 1+2_ IEEE 802.11ax-HE80



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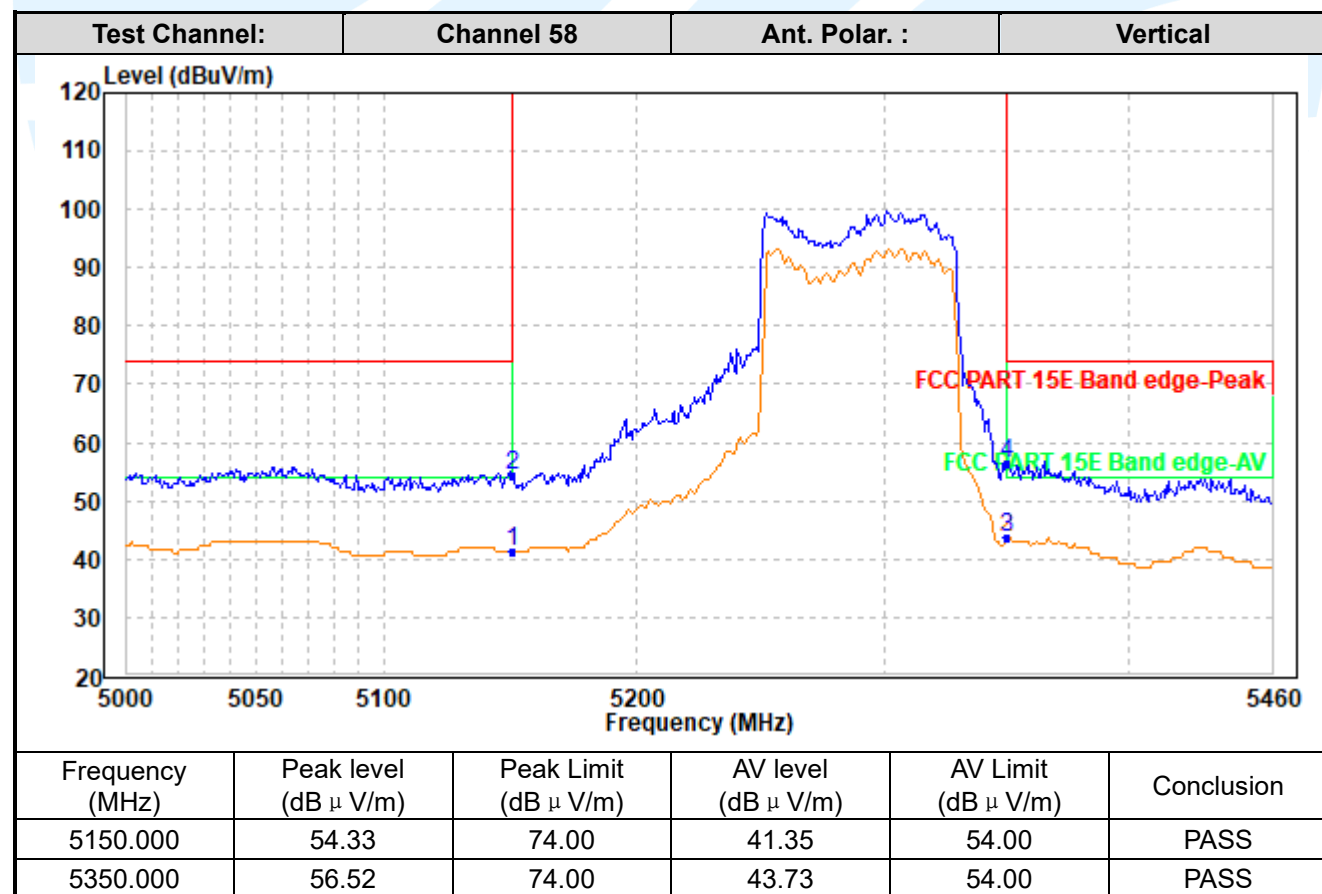
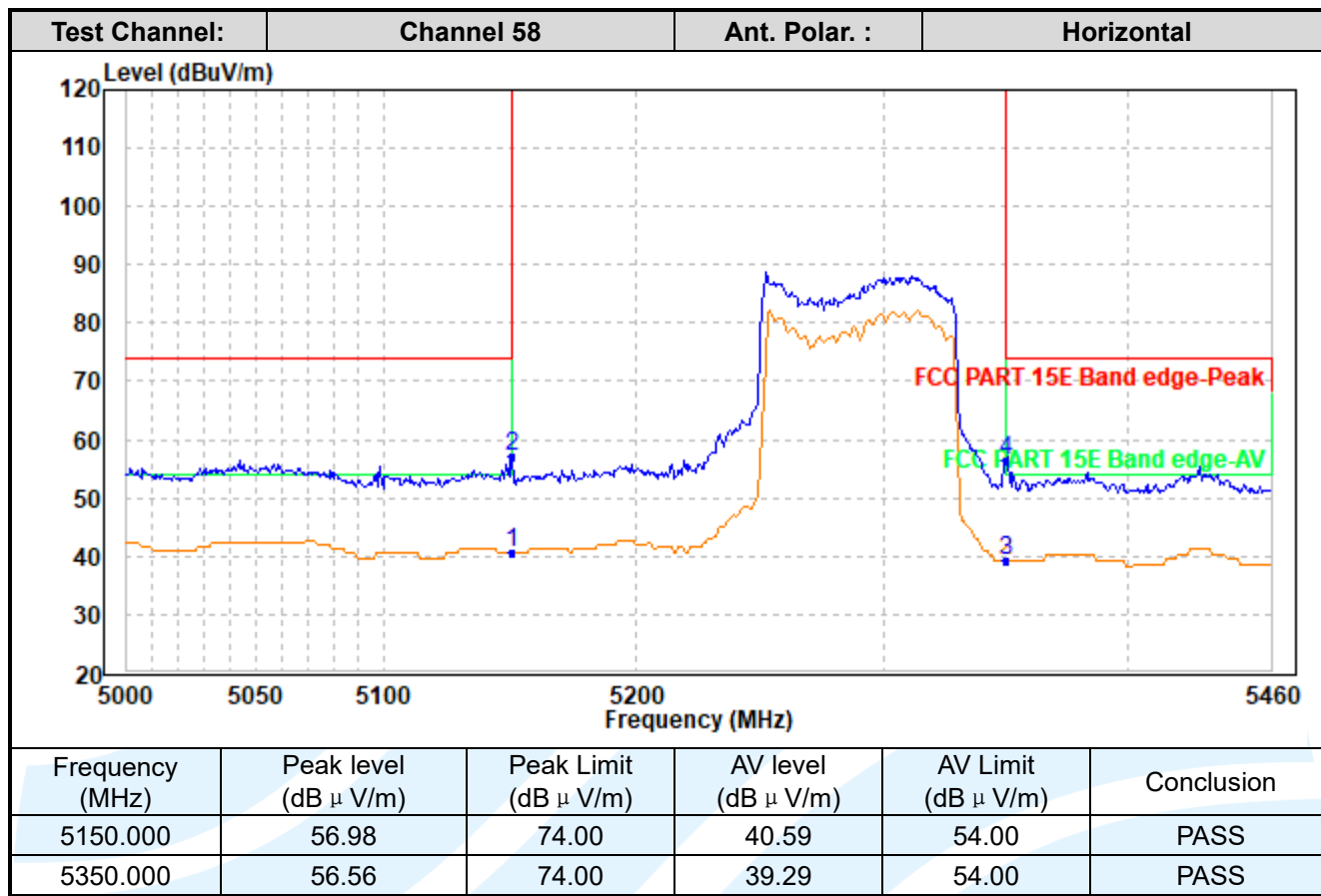
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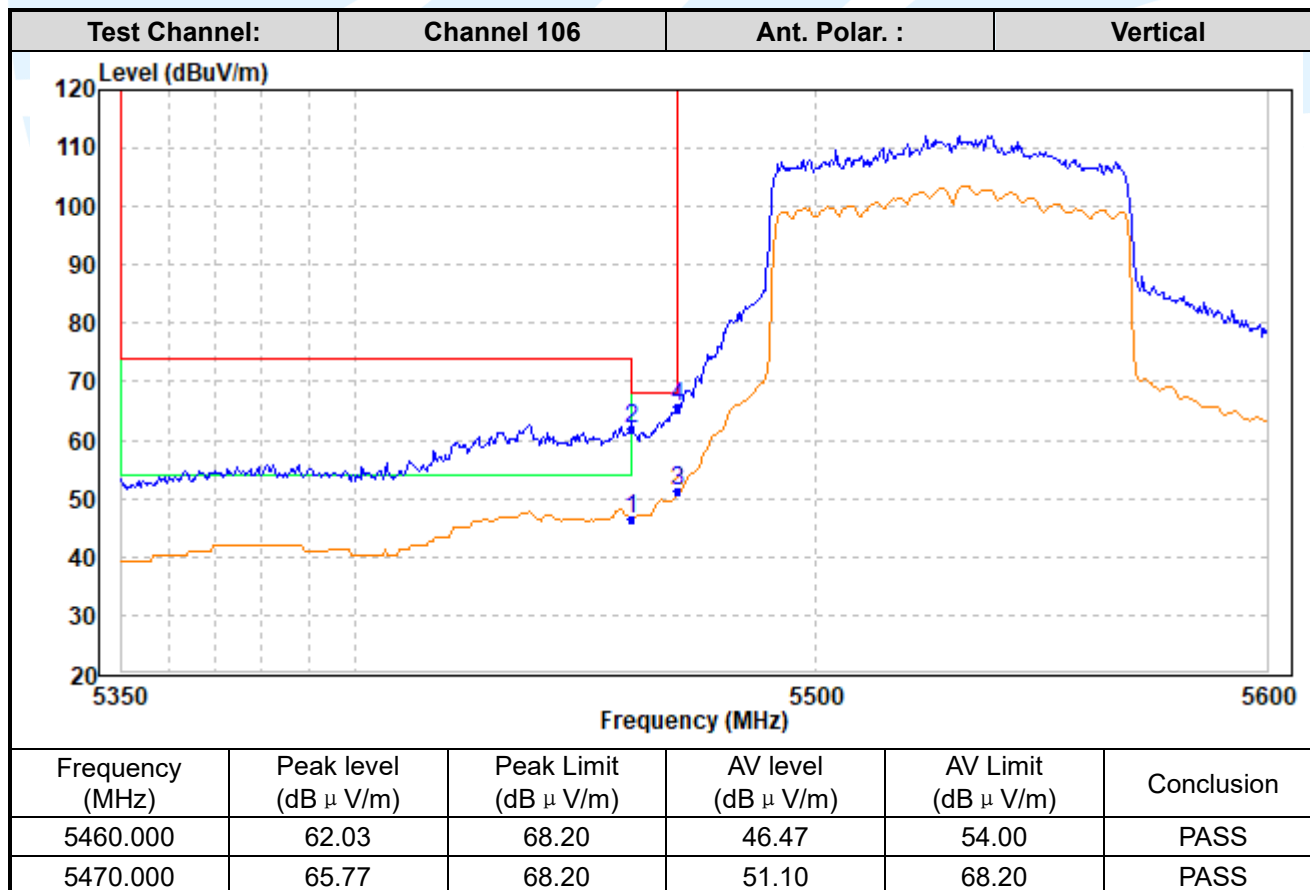
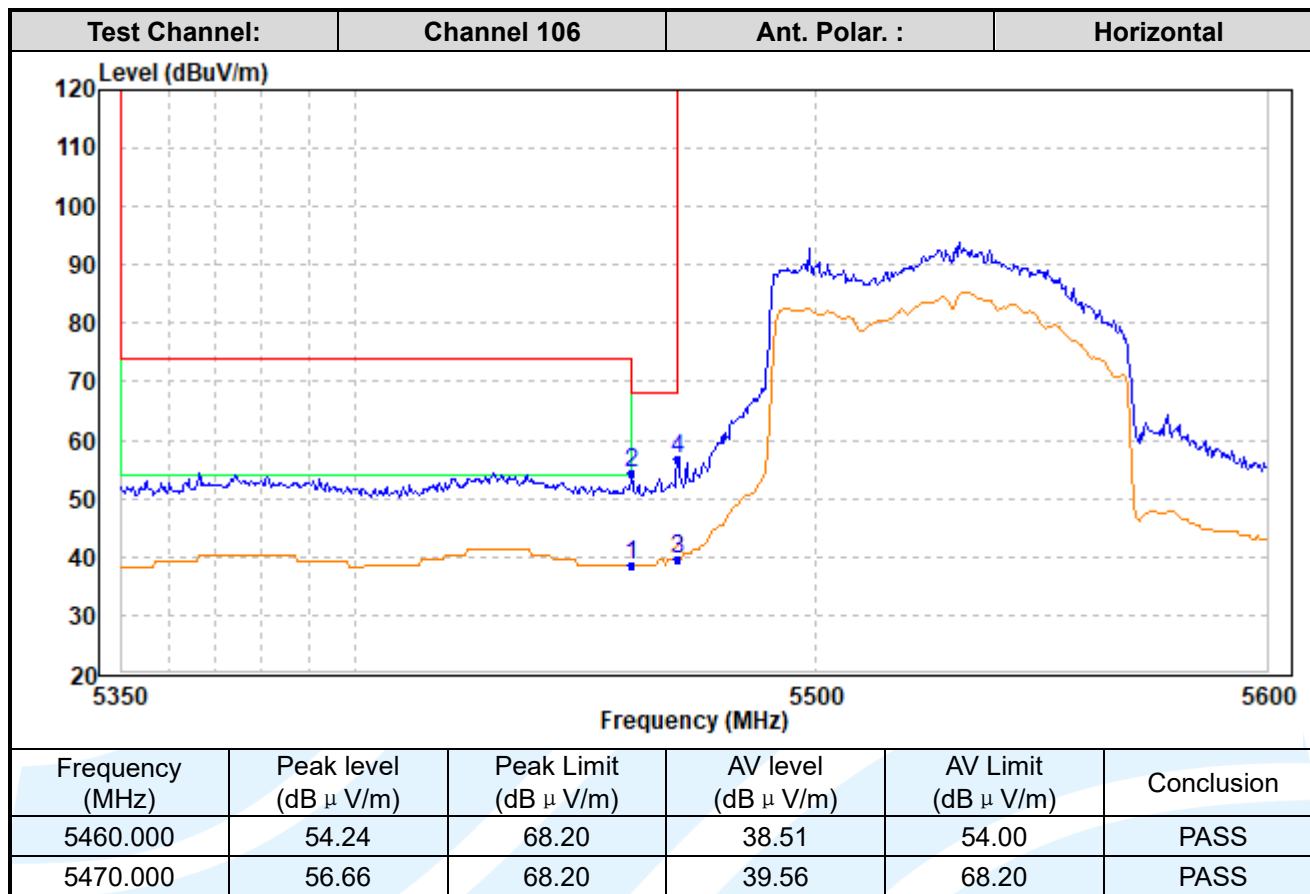
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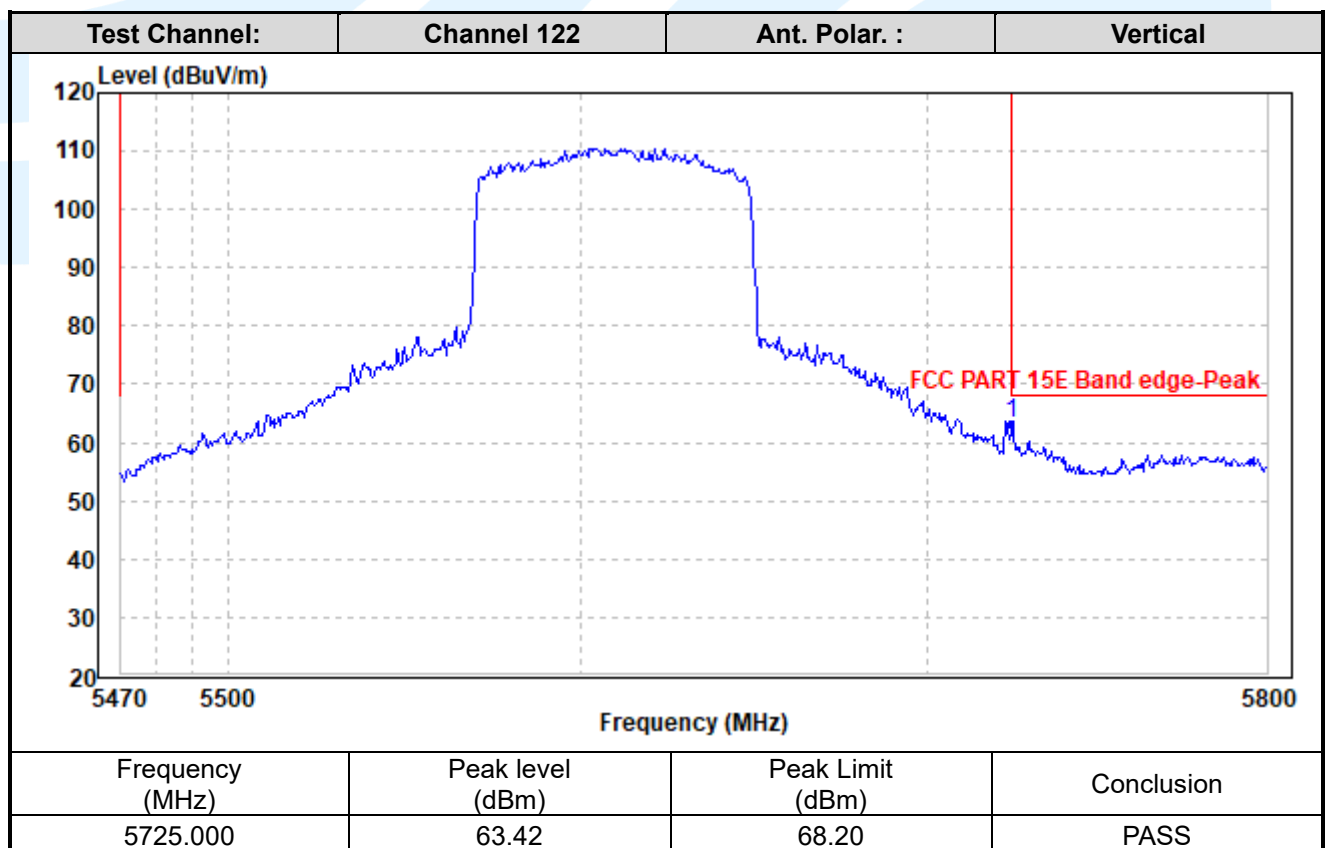
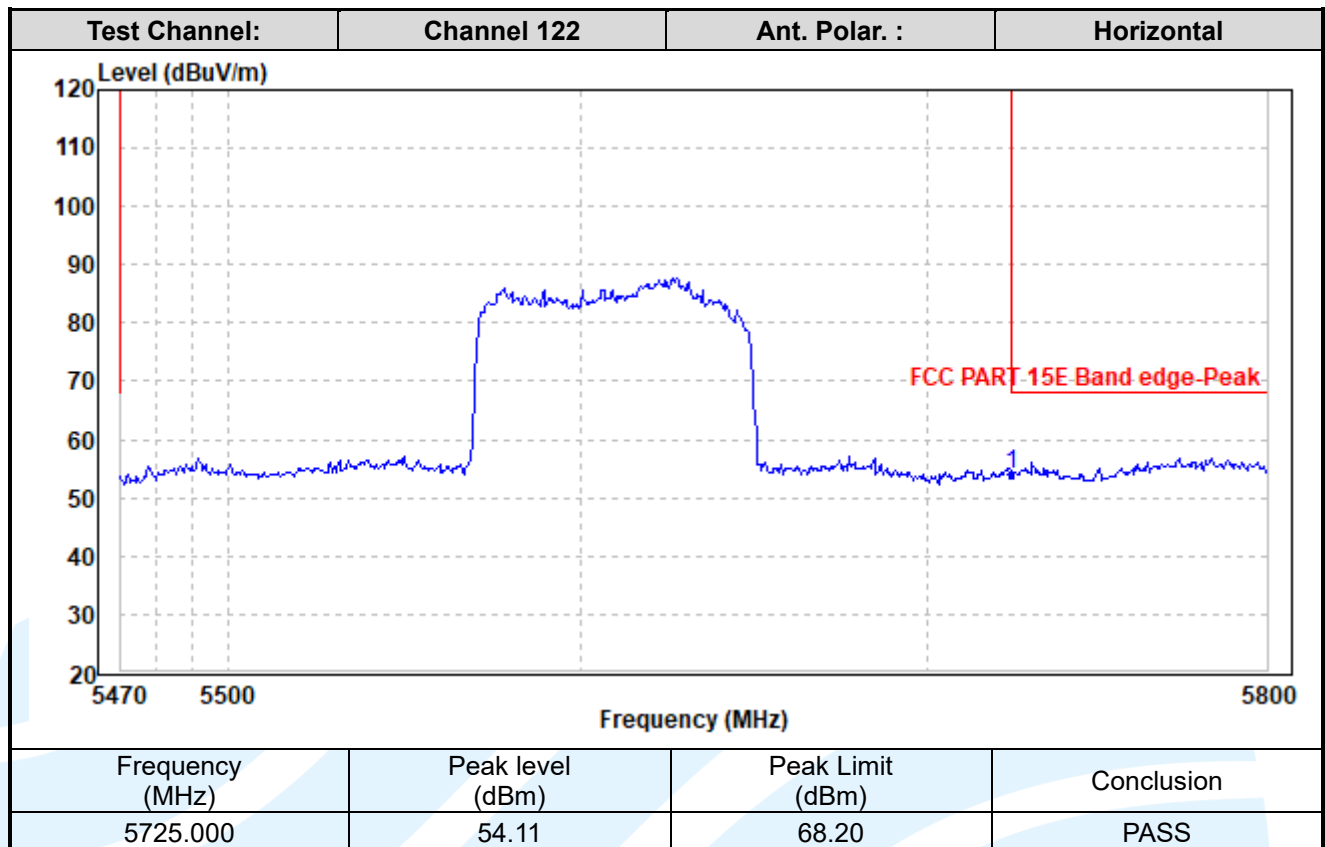
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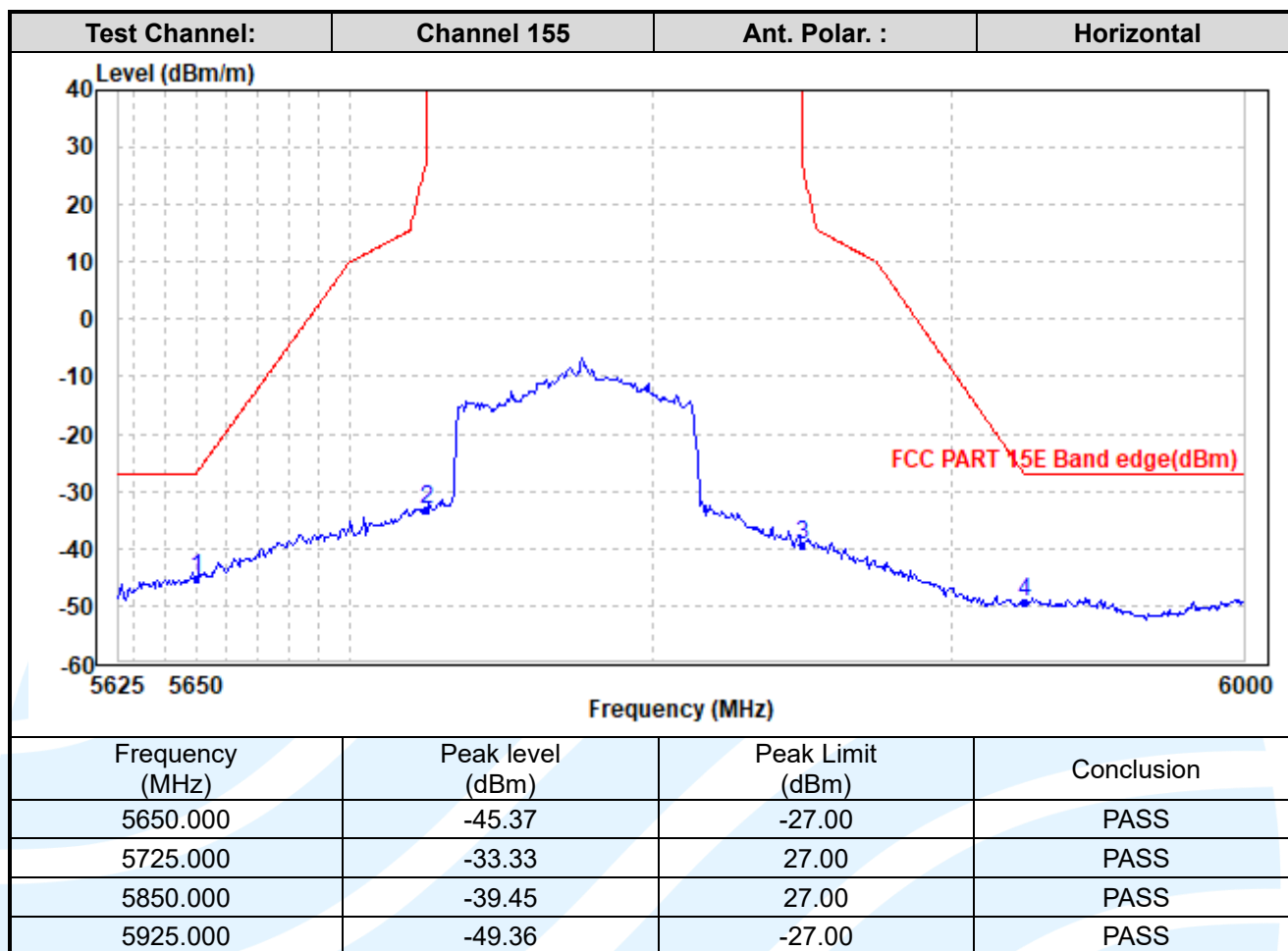
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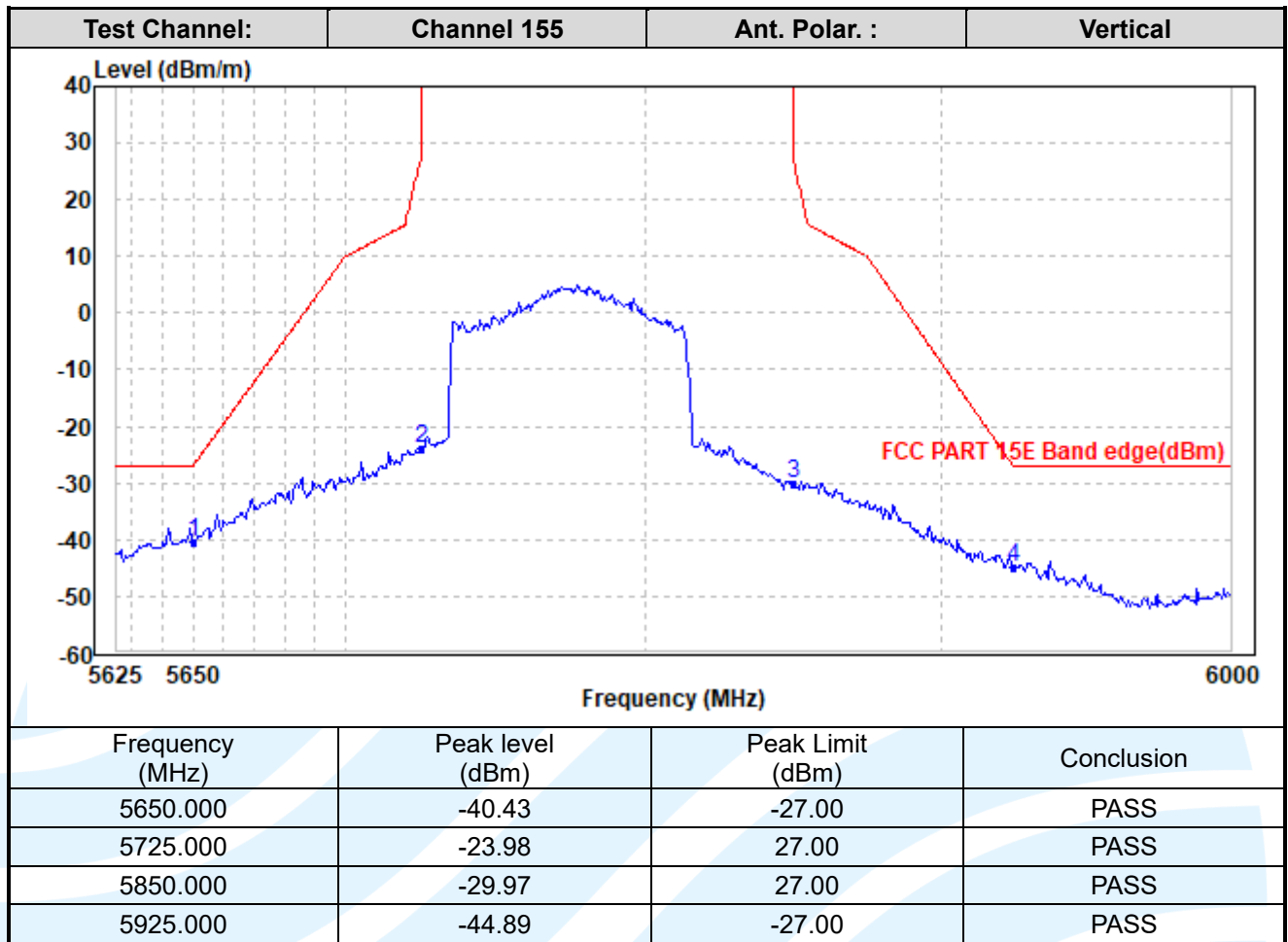
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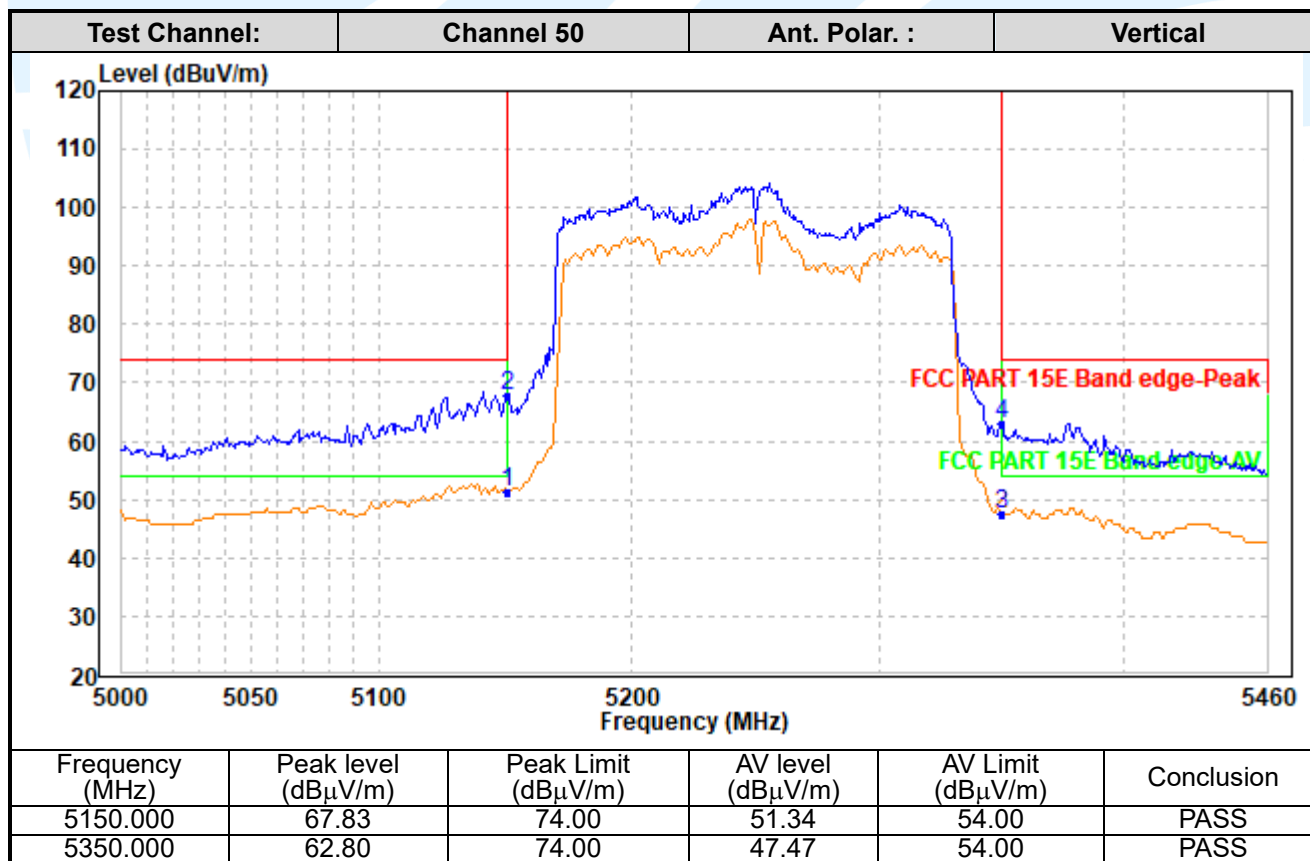
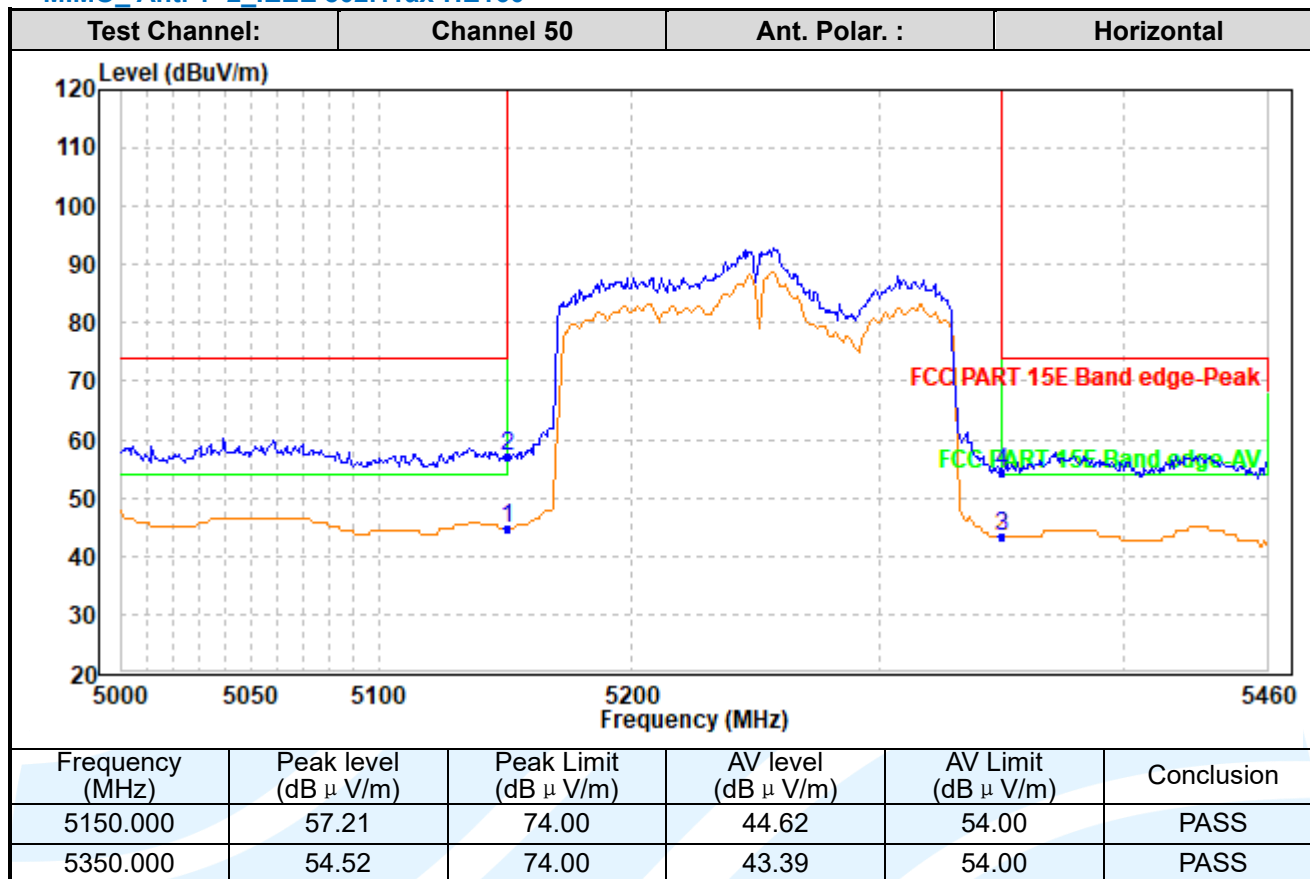
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MIMO_Ant. 1+2_ IEEE 802.11ax-HE160


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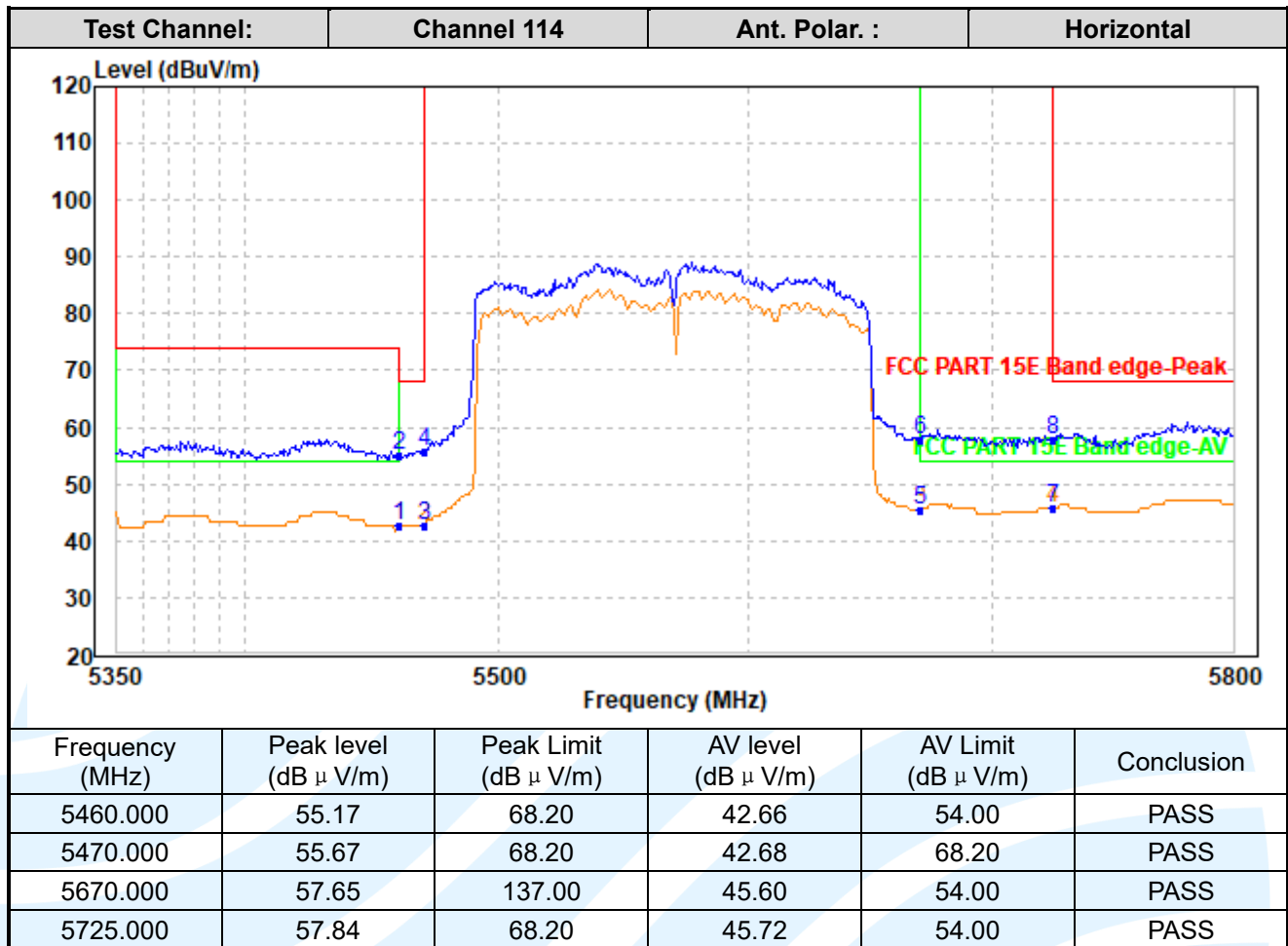
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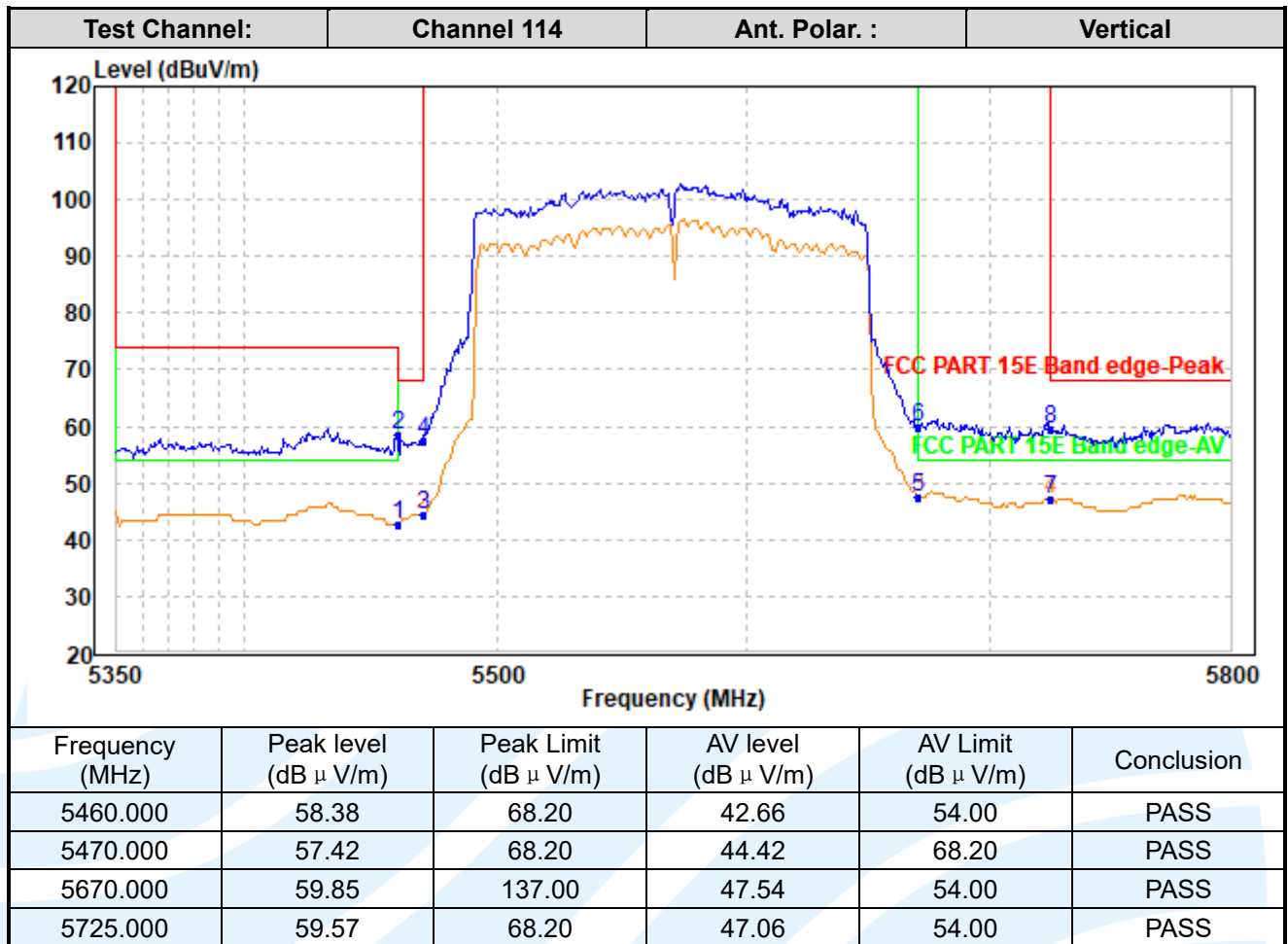
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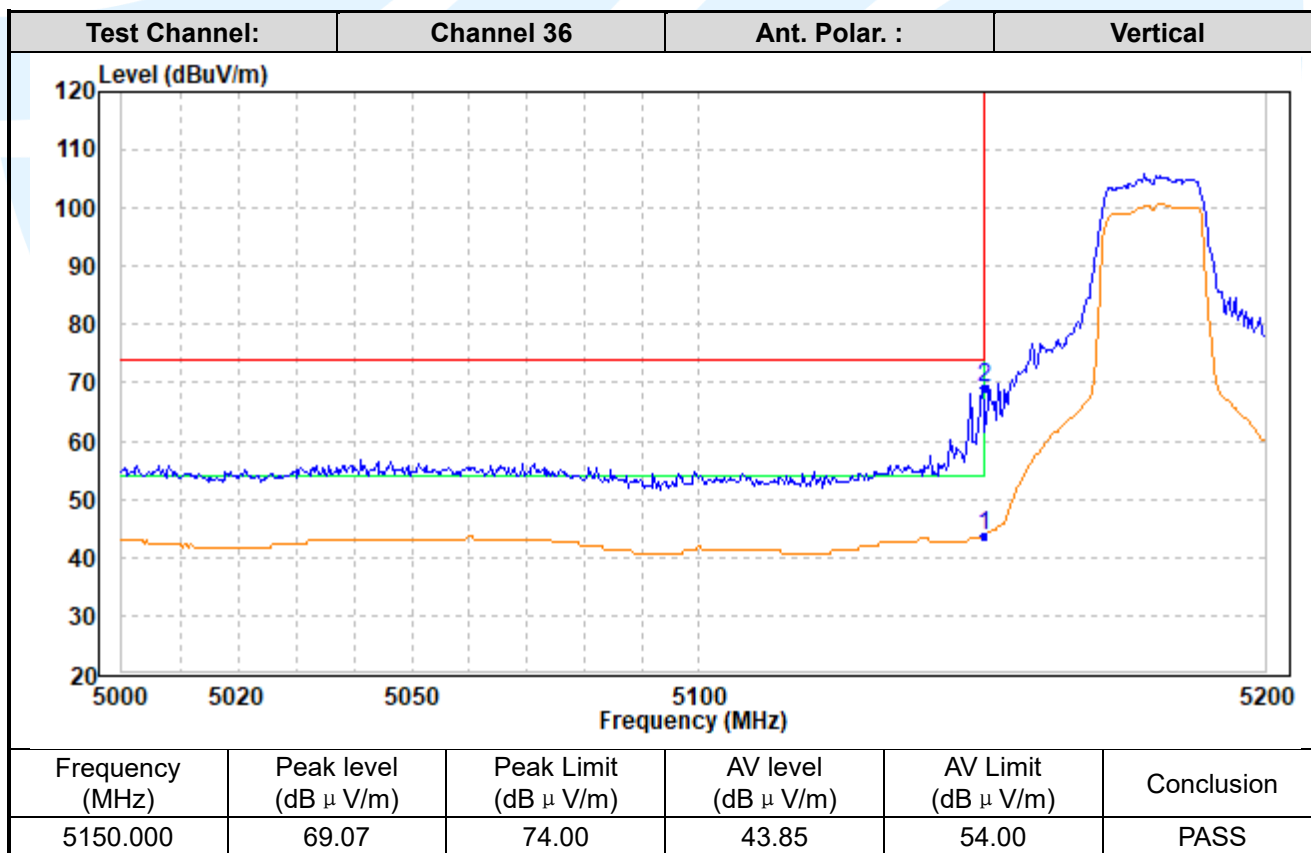
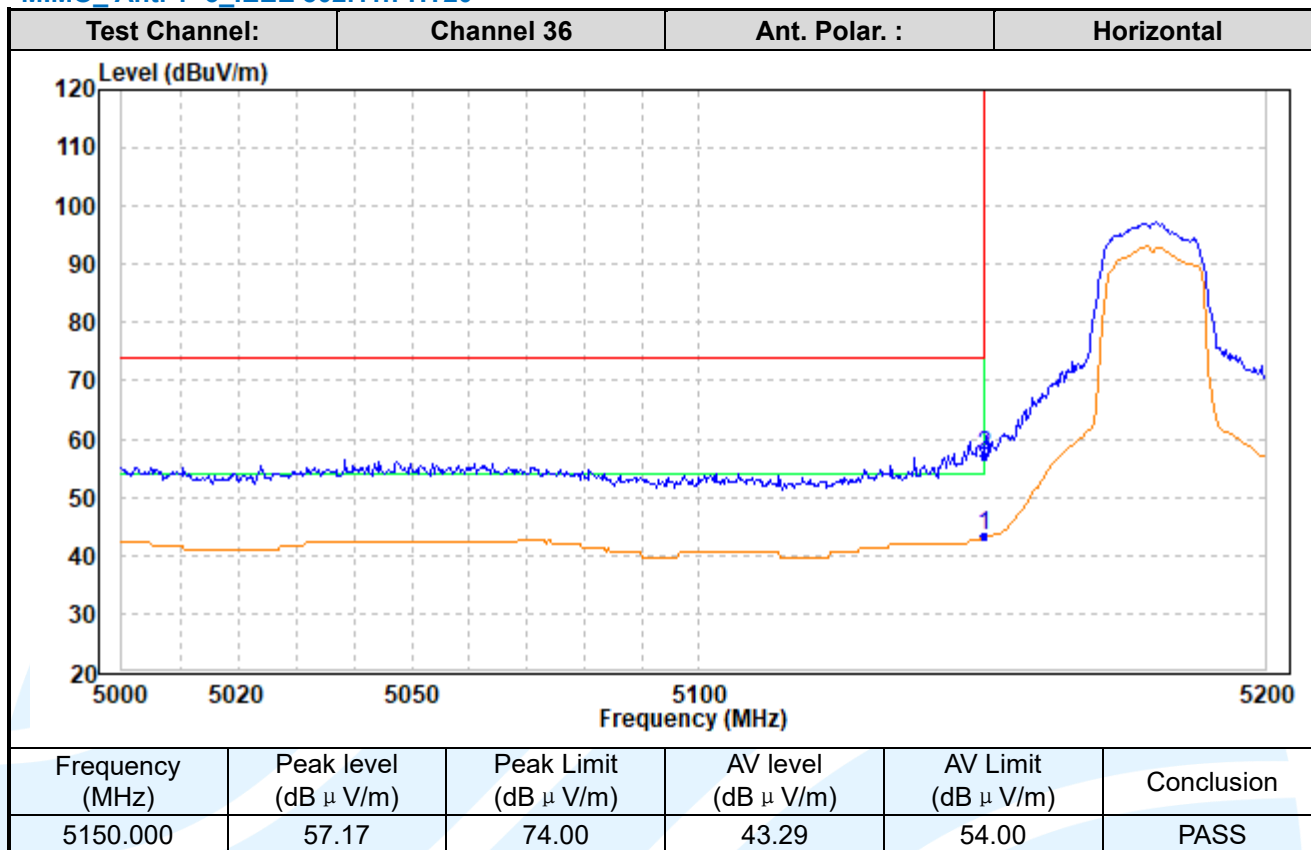
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MIMO_Ant. 1+3_ IEEE 802.11n-HT20



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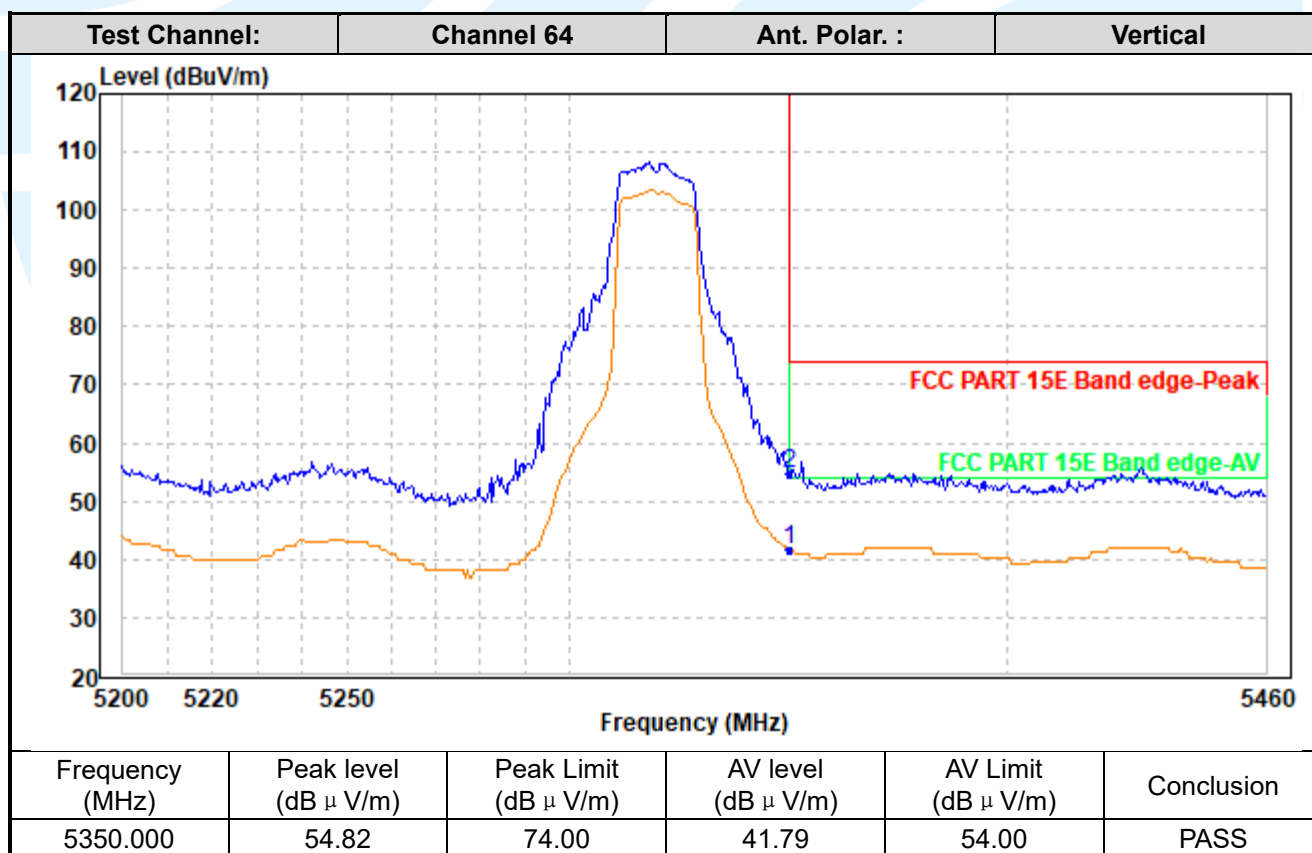
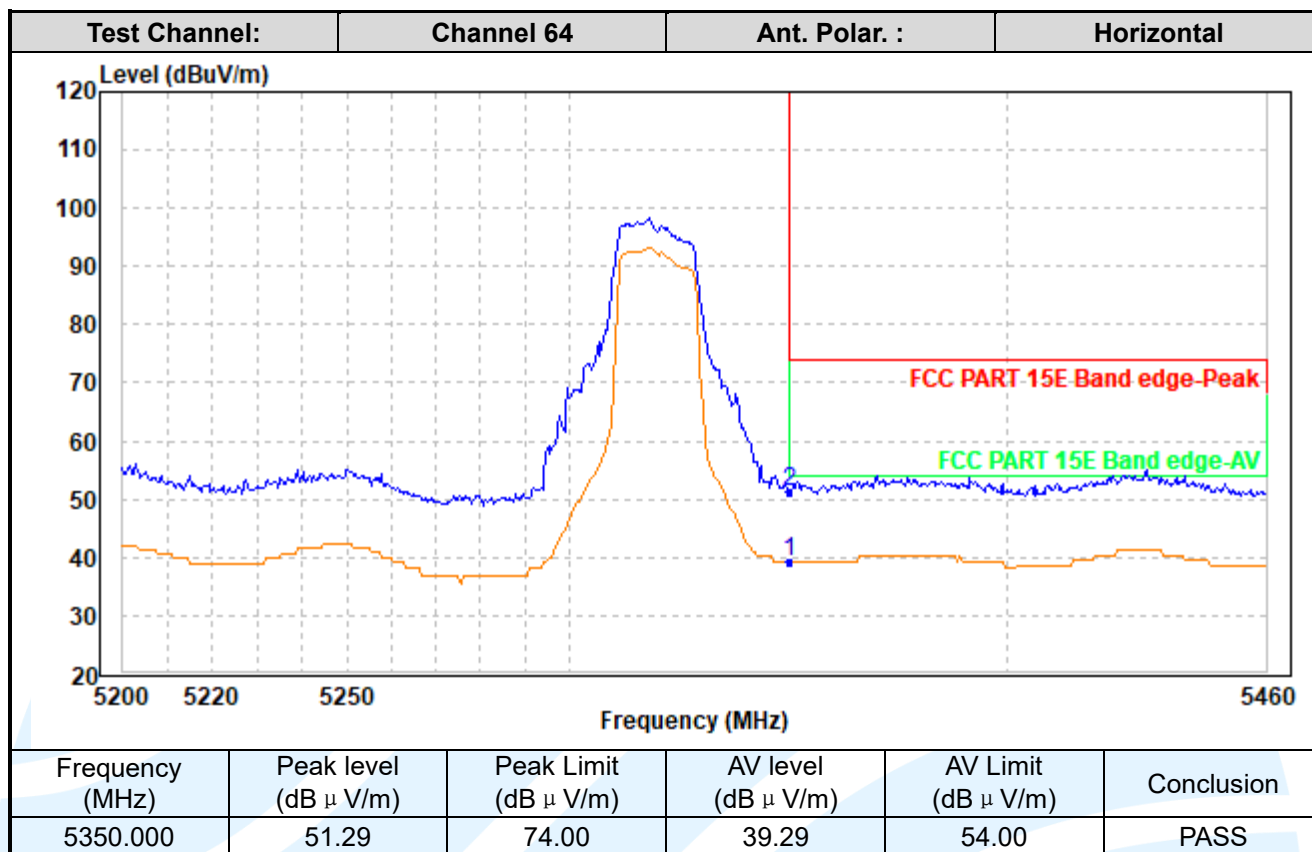
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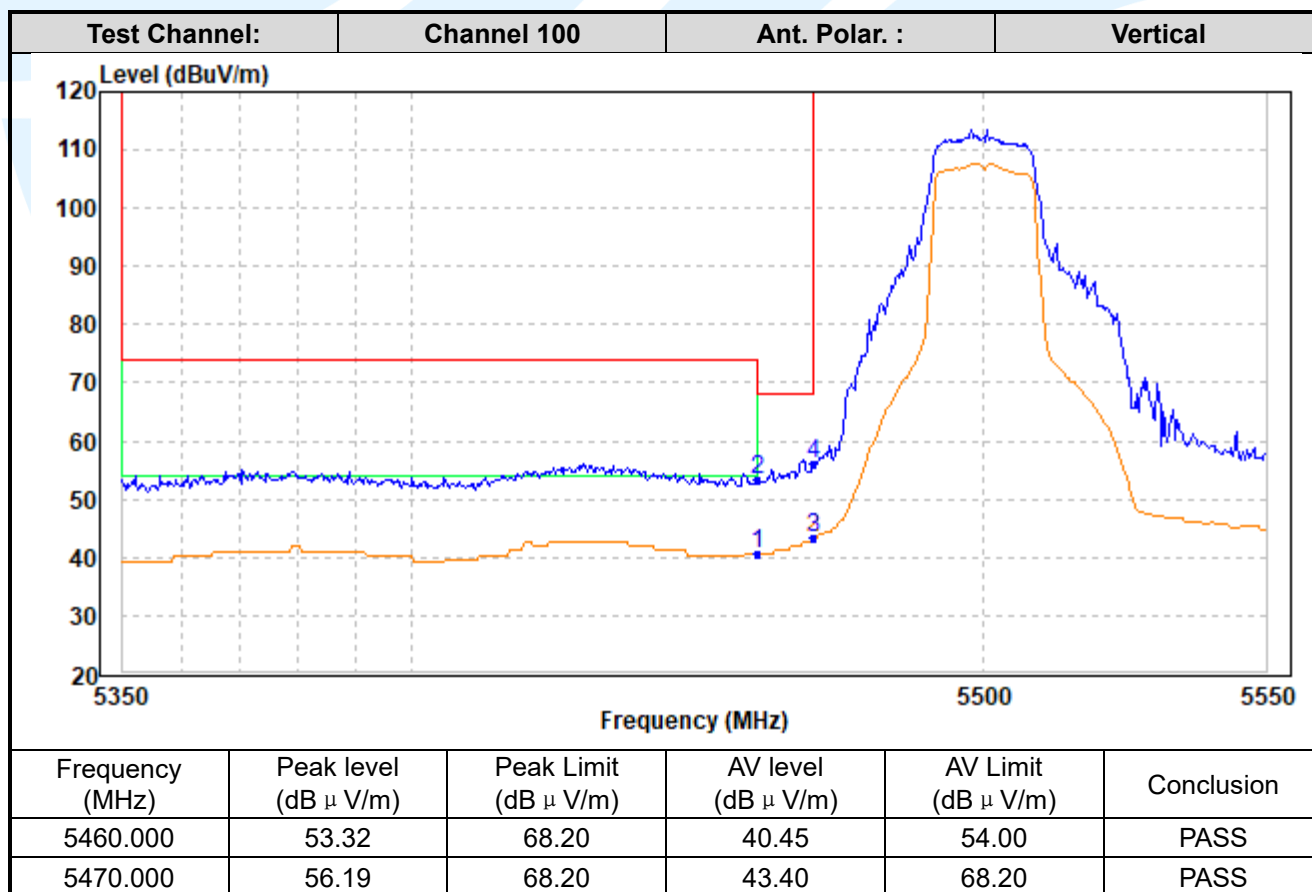
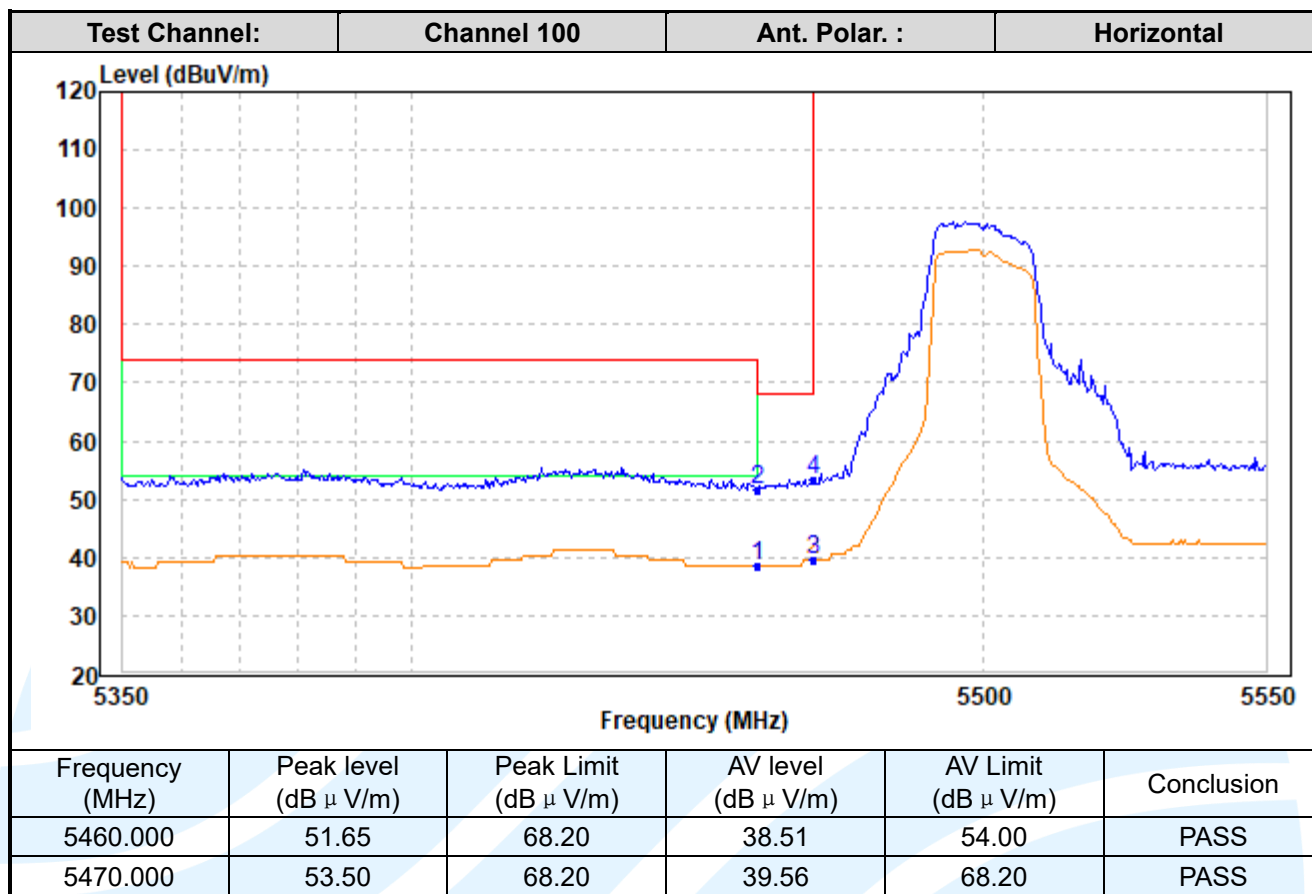
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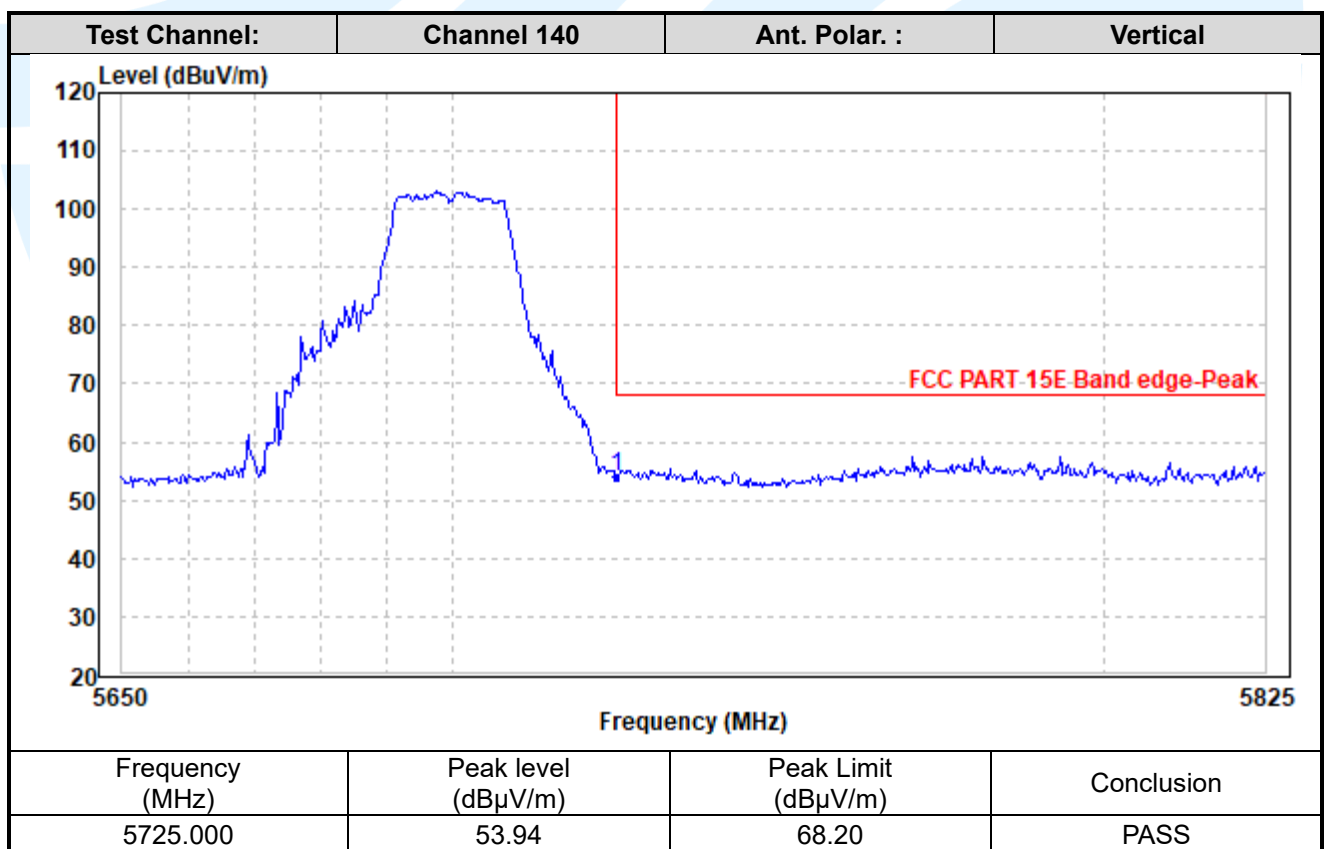
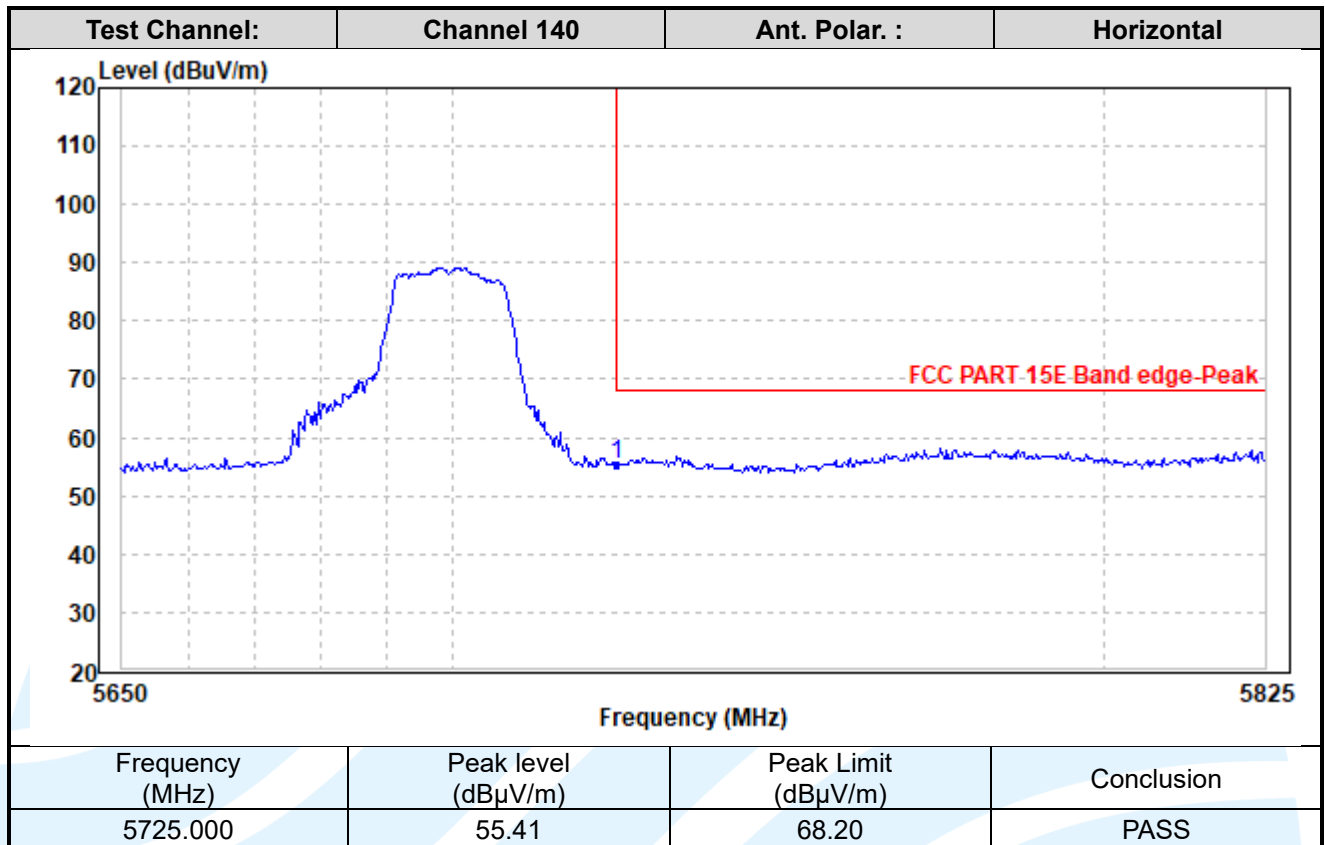
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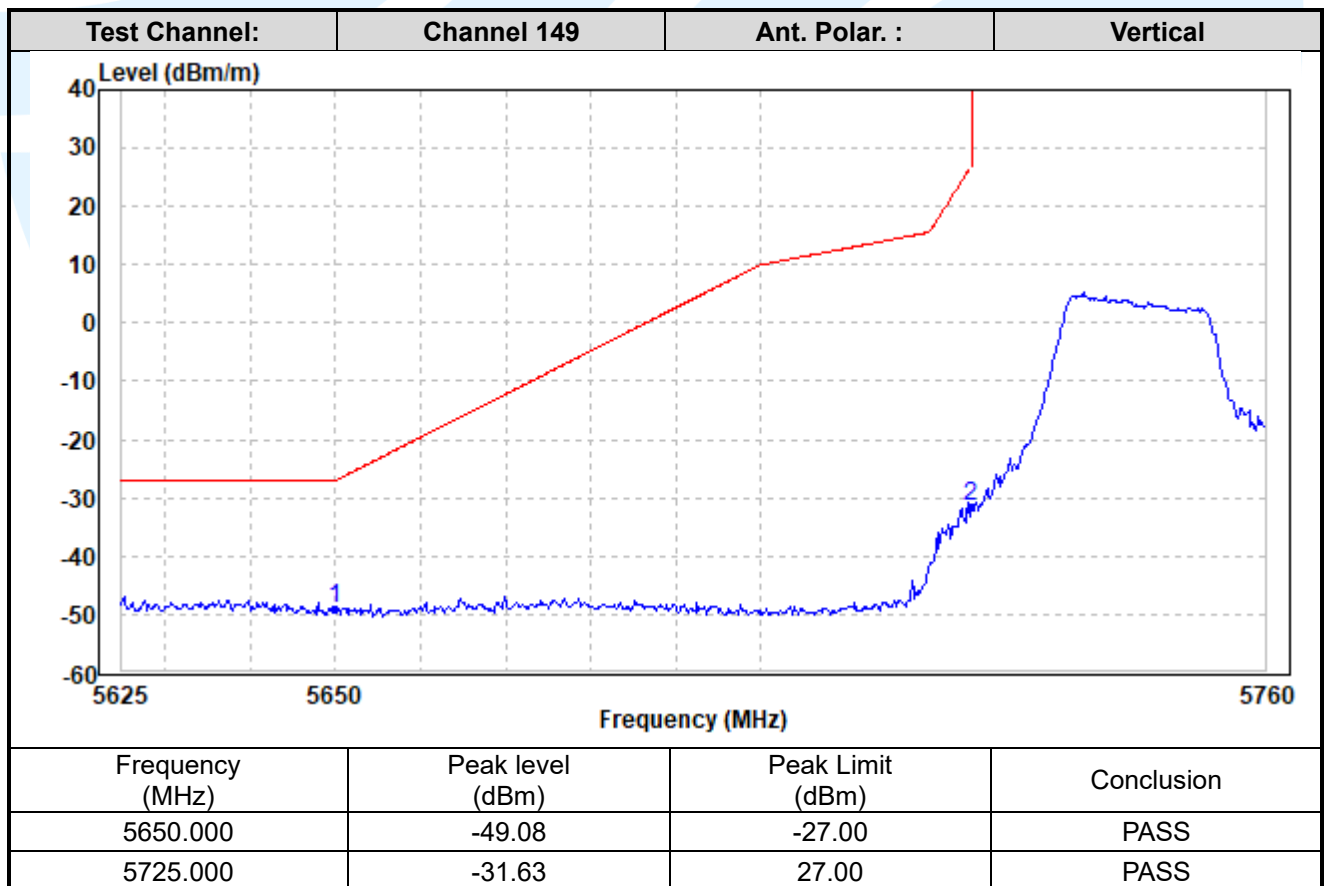
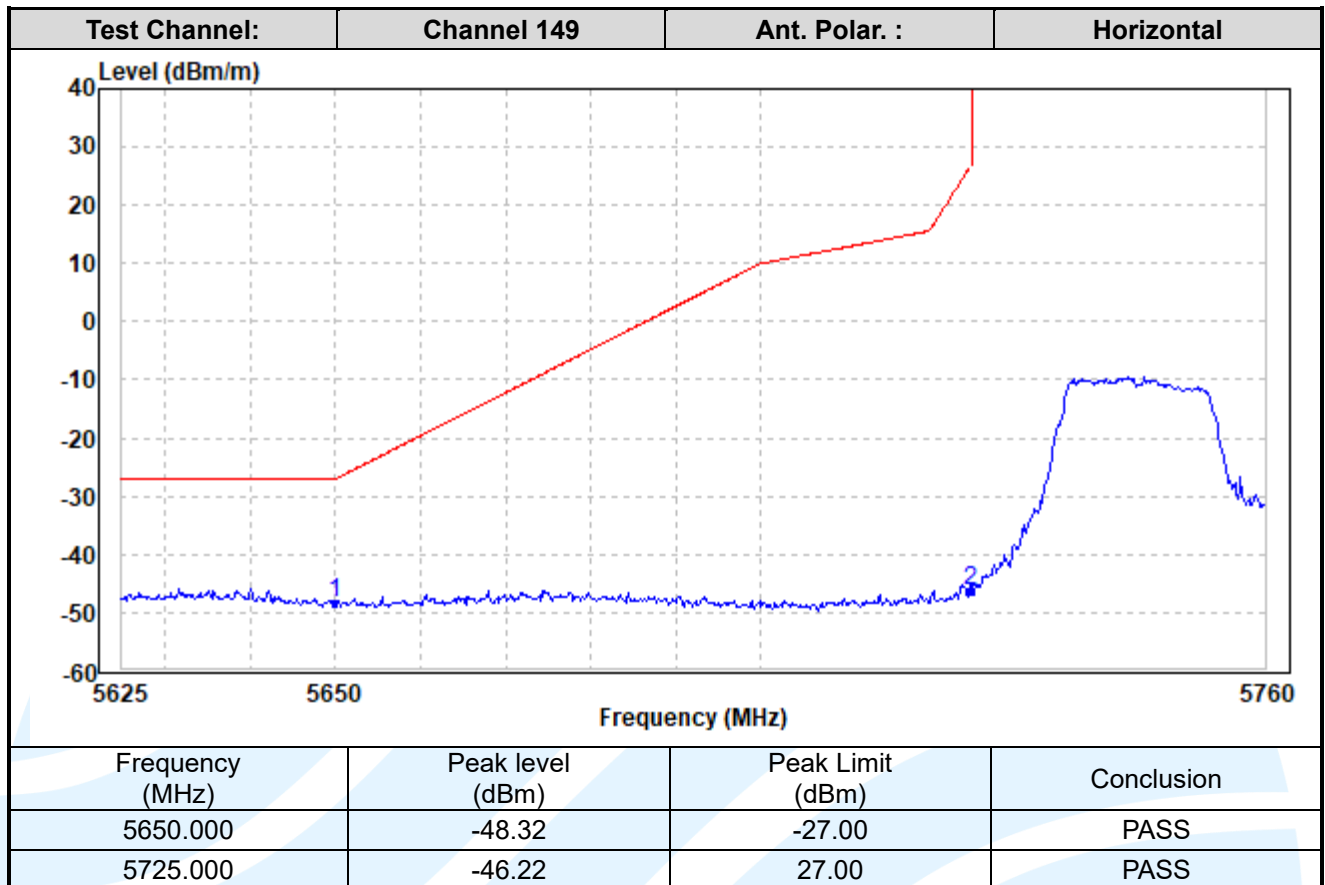
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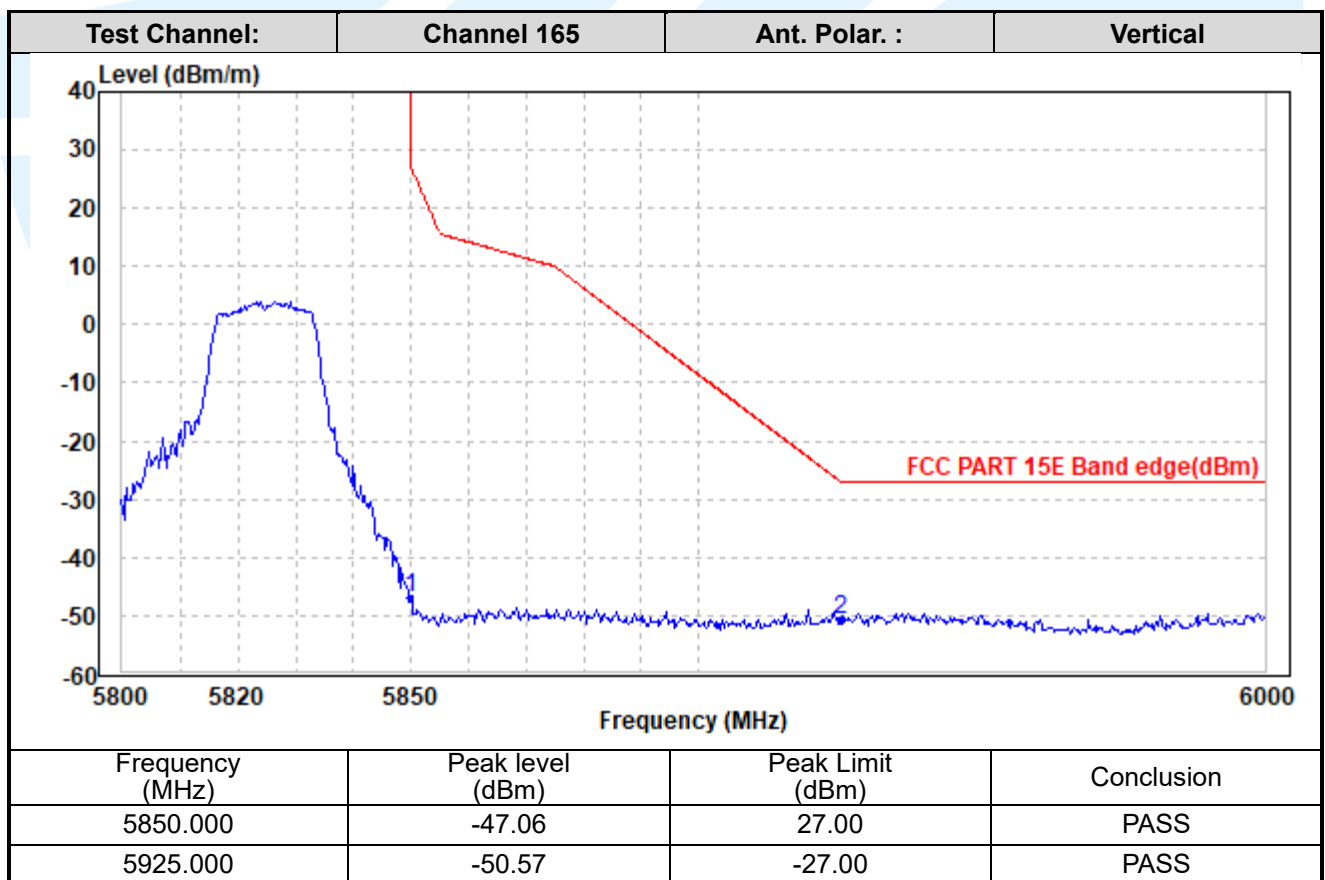
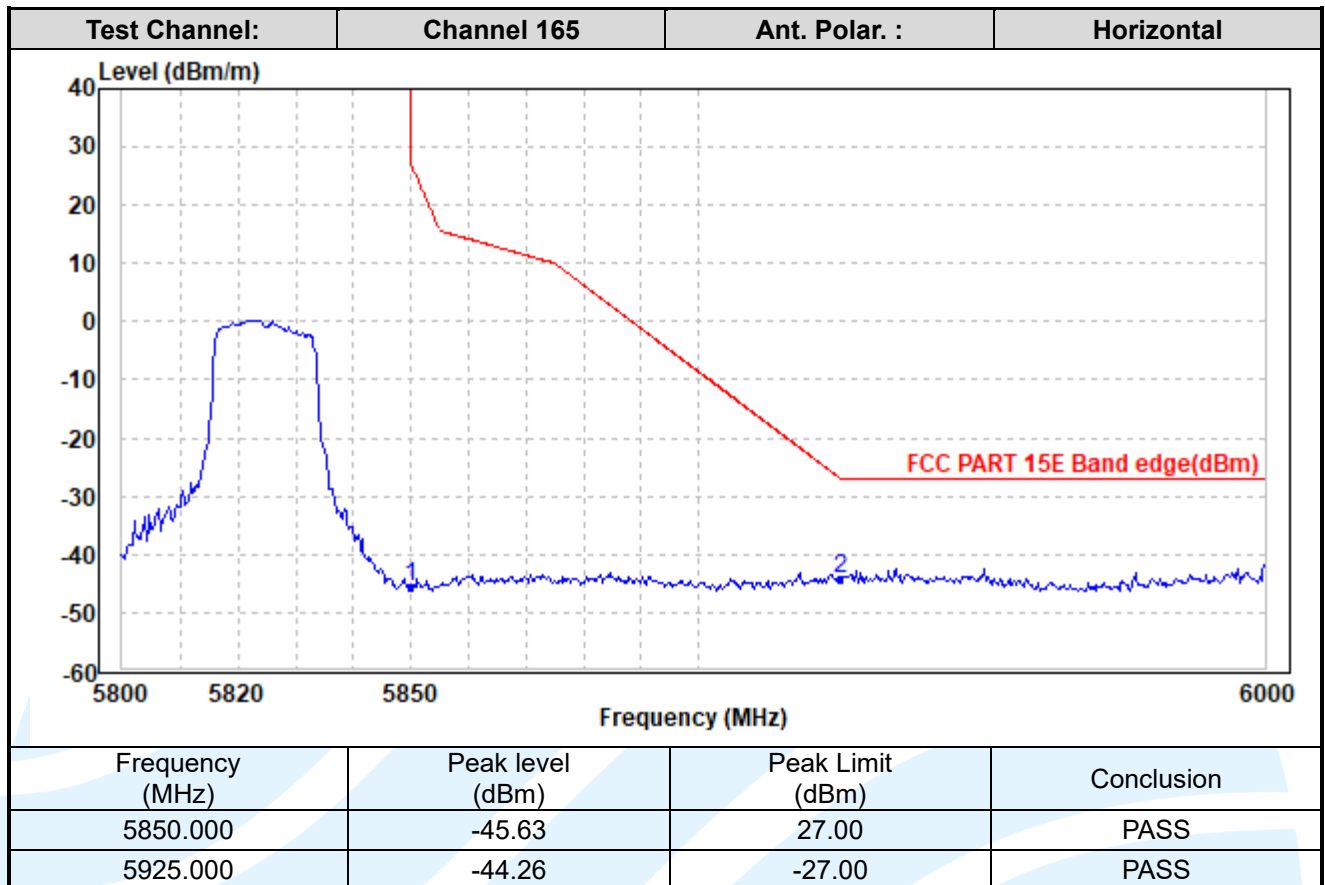
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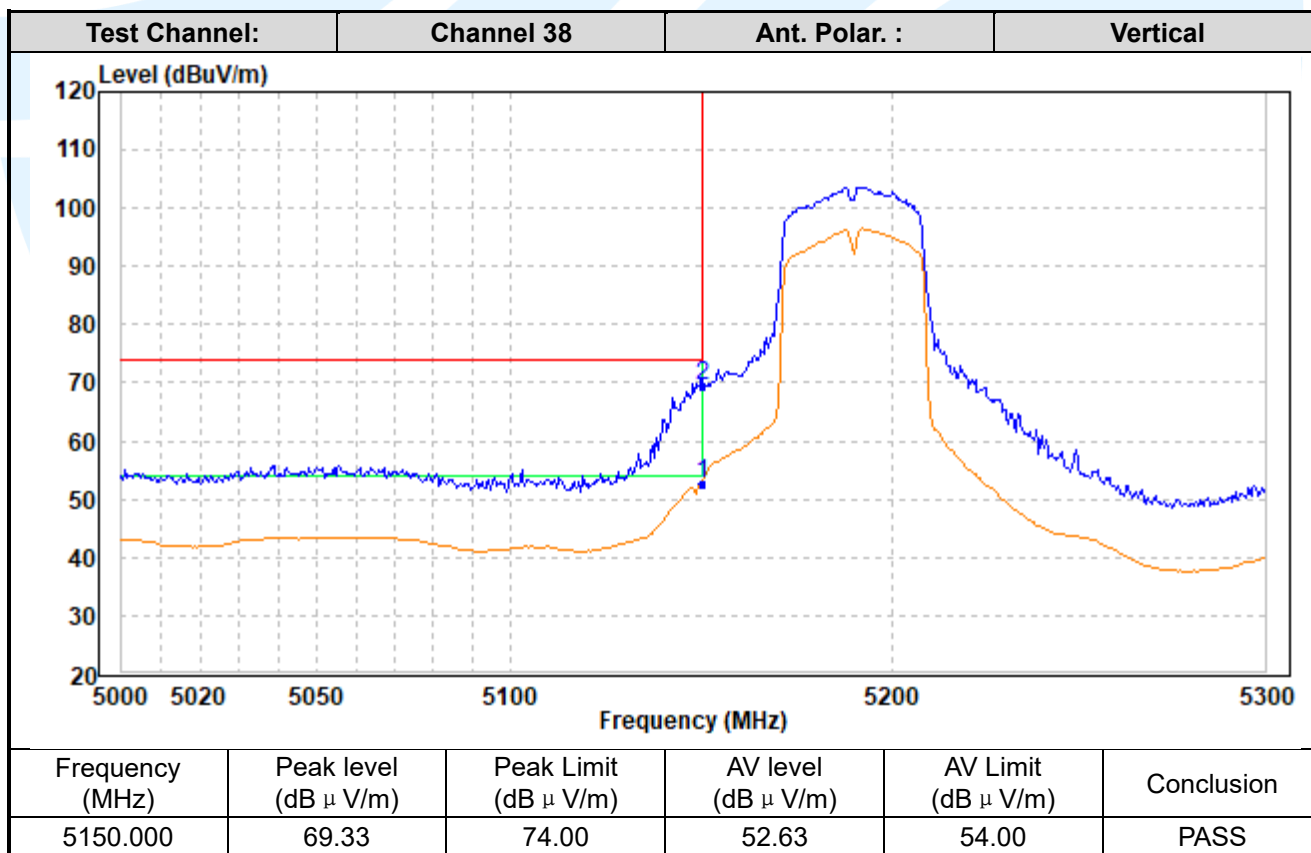
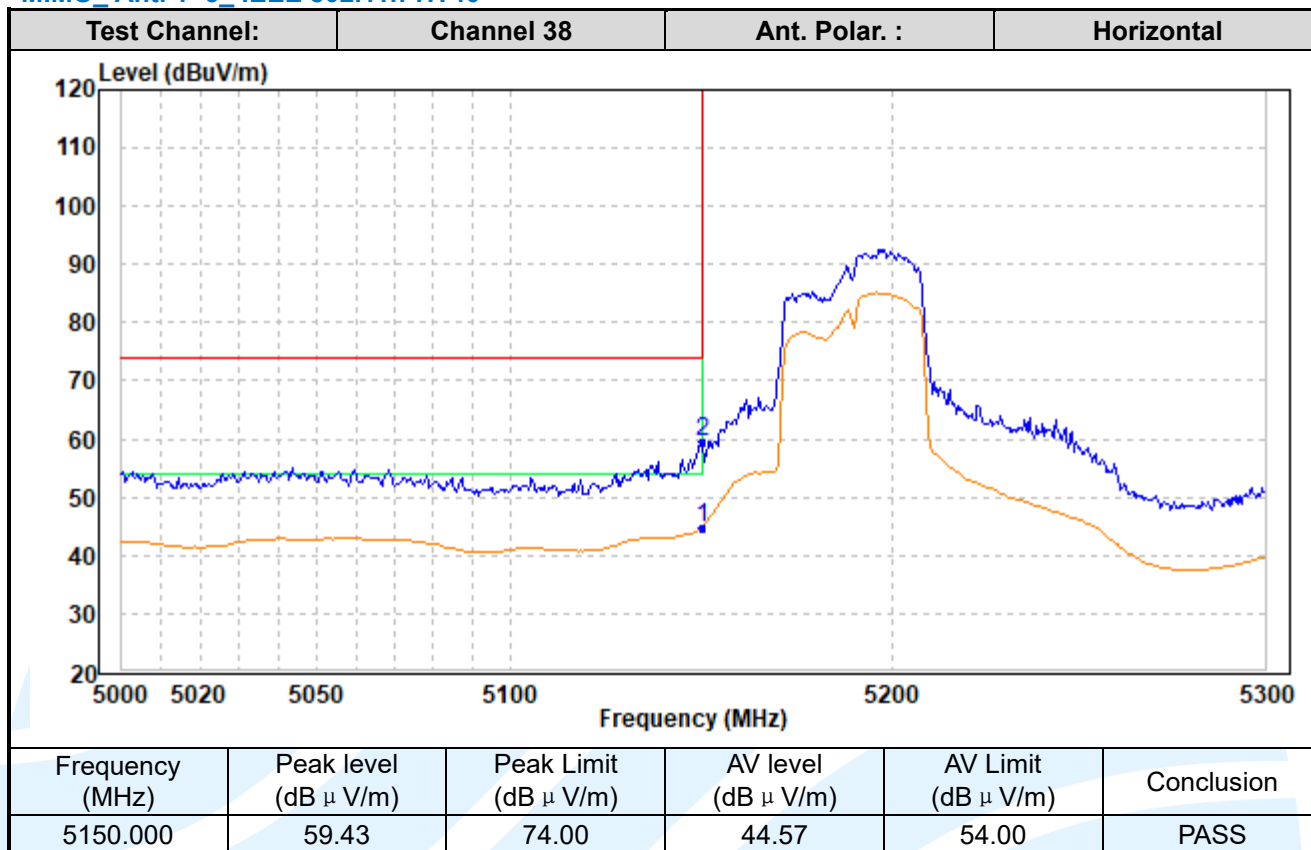
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