

Mode	Band	Channel	CONDUCTED AVG POWER				EIRP			
			Meas Value (dBm)	Corr'd Value (dBm)	FCC Limit (dBm)	ISED Limit (dBm)	EIRP (dBm)	FCC Limit (dBm)	ISED Limit (dBm)	ISED Result
IEEE 802.11ax-HE20	U-NII-1	36	15.52	15.66	24.00	--	20.16	--	22.57	Pass
		44	14.96	15.10	24.00	--	19.60	--	22.57	Pass
		48	15.27	15.41	24.00	--	19.91	--	22.57	Pass
	U-NII-2A	52	15.43	15.57	24.00	23.57	20.07	--	27.00	Pass
		60	15.67	15.81	24.00	23.57	20.31	--	27.00	Pass
		64	15.41	15.55	24.00	23.57	20.05	--	27.00	Pass
	U-NII-2C	100	17.06	17.20	24.00	23.56	21.70	--	27.00	Pass
		116	16.74	16.88	24.00	23.56	21.38	--	27.00	Pass
		140	16.59	16.73	24.00	23.56	21.23	--	27.00	Pass
		144	16.42	16.56	24.00	23.56	21.06	--	27.00	Pass
	U-NII-3	149	16.58	16.72	30.00	30.00	21.22	--	--	Pass
		157	16.34	16.48	30.00	30.00	20.98	--	--	Pass
165		16.33	16.47	30.00	30.00	20.97	--	--	Pass	
IEEE 802.11ax-HE40	U-NII-1	38	17.84	17.98	24.00	--	22.48	--	23.01	Pass
		46	17.34	17.48	24.00	--	21.98	--	23.01	Pass
	U-NII-2A	54	17.75	17.89	24.00	24.00	22.39	--	27.00	Pass
		62	17.77	17.91	24.00	24.00	22.41	--	27.00	Pass
	U-NII-2C	102	16.81	16.95	24.00	24.00	21.45	--	27.00	Pass
		110	16.42	16.56	24.00	24.00	21.06	--	27.00	Pass
		134	17.31	17.45	24.00	24.00	21.95	--	27.00	Pass
		142	16.41	16.55	24.00	24.00	21.05	--	27.00	Pass
	U-NII-3	151	16.66	16.80	30.00	30.00	21.30	--	--	Pass
		159	16.01	16.15	30.00	30.00	20.65	--	--	Pass

5.6 PEAK POWER SPECTRAL DENSITY

Test Requirement: FCC 47 CFR Part 15 Subpart E Section 15.407 (a)(1)(2)(3)
RSS-247 Issue 3 Section 6.2.1.1/6.2.2.1/6.2.3.1/6.2.4.1

Test Method: KDB 789033 D02 v02r01 Section F

Limits: FCC 47 CFR Part 15 Subpart E

1. For the band 5.15-5.25 GHz.

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3. For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

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Limits: RSS-247 Issue 3

1. Frequency band 5150-5250 MHz

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10}B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10}B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

2. Frequency band 5250-5350 MHz

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10}B$, dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

Devices, other than devices installed in vehicles, shall comply with the following:

- a) The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10}B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;
- b) The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10}B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Additional requirements

In addition to the above requirements, devices shall comply with the following, where applicable:

- a) Outdoor fixed devices with a maximum e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below:

i. -13 dBW/MHz	for $0^\circ \leq \theta < 8^\circ$
ii. $-13 - 0.716 (\theta - 8)$ dBW/MHz	for $8^\circ \leq \theta < 40^\circ$
iii. $-35.9 - 1.22 (\theta - 40)$ dBW/MHz	for $40^\circ \leq \theta \leq 45^\circ$
iv. -42 dBW/MHz	for $\theta > 45^\circ$

The measurement procedure defined in Annex A of this document shall be used to verify the compliance to the e.i.r.p. at different elevations.

- b) Devices, other than outdoor fixed devices, having an e.i.r.p. greater than 200 mW shall comply with either i. or ii. below:
 - iii. devices shall comply with the e.i.r.p. elevation mask in 6.2.2.3(a); or
 - iv. devices shall implement a method to permanently reduce their e.i.r.p. via a firmware feature in the event that the Department requires it. The test report must demonstrate how the device's power table can be updated to meet this firmware requirement. The manufacturer shall provide this firmware to update all systems automatically in compliance with the directions received from the Department.

3. Frequency bands 5470-5600 MHz and 5650-5725 MHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10}B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10}B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

4. Frequency band 5725-5850 MHz

The maximum conducted output power shall not exceed 1 W. The output 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 output 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 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-multipoint³ systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

Test Procedure:

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

Spectrum analyzer according to the following Settings:

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

Using method SA-2

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

2. For U-NII-3 band:

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

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

Test Setup: Refer to section 4.5.3 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Transmitter mode

Test Results: Please refer to Appendix A

Test Data:

Gain and the maximum output power limit.

RSS-247 Issue 3:

Frequency Band	Antenna Gain (dBi)	PSD Limits (dBm/MHz or dBm/500kHz)
U-NII-1	4.5	10.0
U-NII-2A	4.5	10.0
U-NII-2C	4.5	11.0
U-NII-3	4.5	30.0

FCC 47 CFR Part 15 Subpart E:

Frequency Band	Antenna Gain (dBi)	PSD Limits (dBm/MHz or dBm/500kHz)
U-NII-1	4.5	11.0
U-NII-2A	4.5	11.0
U-NII-2C	4.5	11.0
U-NII-3	4.5	30.0

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
 RSS-247 Issue 3 Section 6.2.1.2/6.2.2.2/6.2.3.2/6.2.4.2

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

Receiver Setup:

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

Limits:

1. Limits of Radiated Emission and Band edge Measurement

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

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

Remark:

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

2. Limits of Unwanted Emission Out of the Restricted Bands

Applicable To	Limit	
789033 D02 General U-NII Test Procedures New Rules v01r04	Field Strength at 3 m	
	PK: 74 (dBµV/m)	AV: 54 (dBµV/m)
Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
RSS-247 Issue 3 Section 6.2.1.2	PK: -27 (dBm/MHz)	PK: 74 (dBµV/m)
RSS-247 Issue 3 Section 6.2.2.2	PK: -27 (dBm/MHz)	PK: 74 (dBµV/m)
RSS-247 Issue 3 Section 6.2.3.2	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m)
RSS-247 Issue 3 Section 6.2.4.2	27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;	PK: 68.2 (dBµV/m)
	15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;	
	10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges;	
	-27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.	

Test Setup: Refer to section 4.5.1 for details.

Test Procedures:

- 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.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- 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.
- 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:

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

Equipment Used: Refer to section 3 for details.

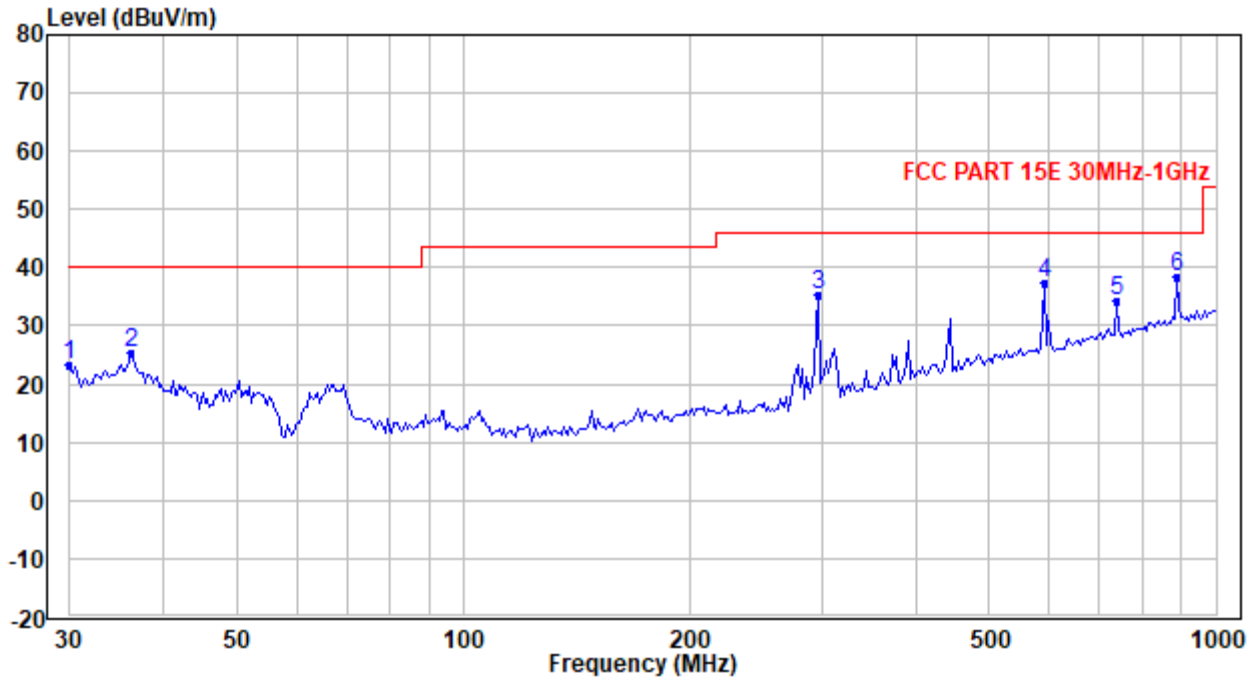
Test Result: Pass

The measurement data as follows:

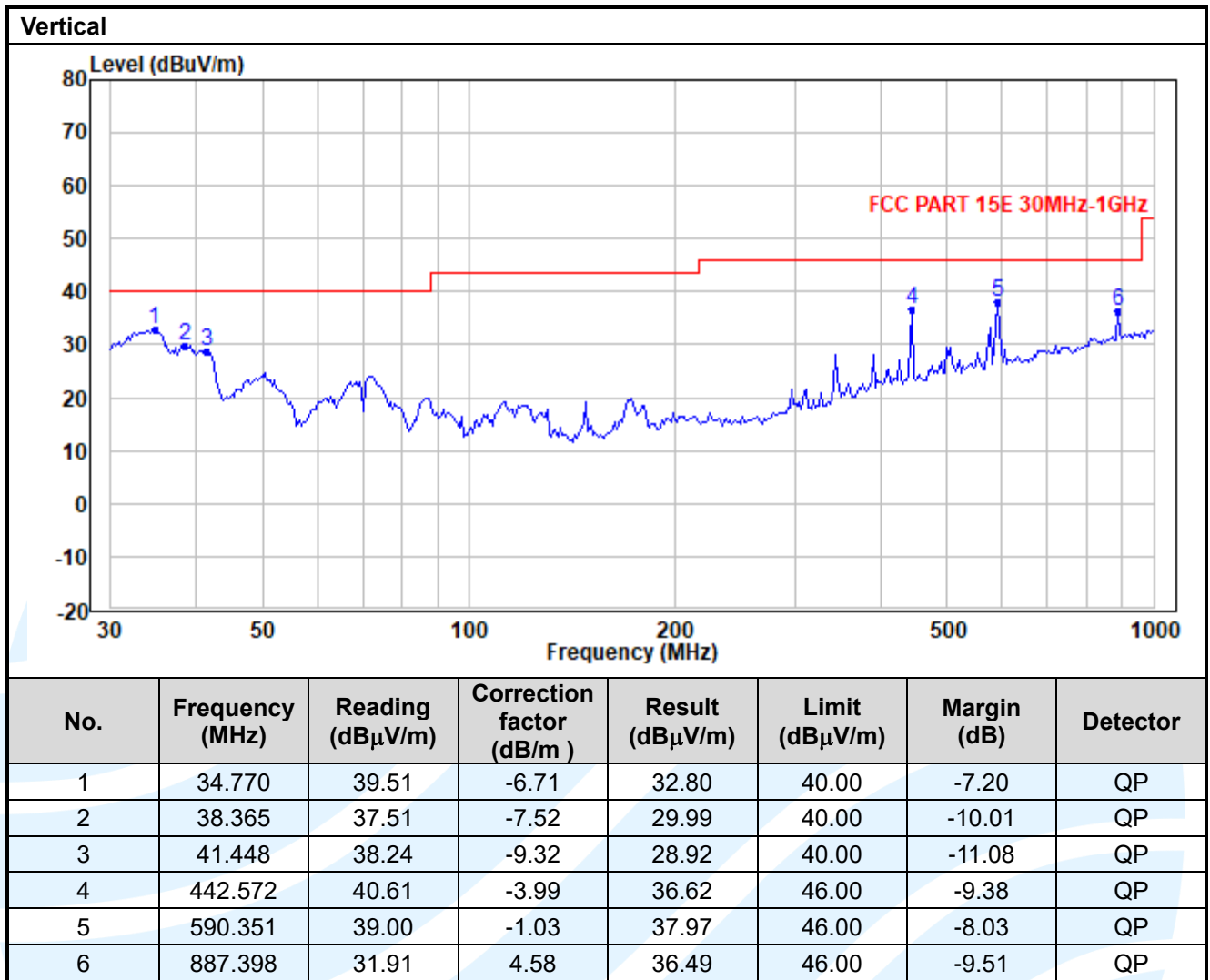
Radiated Emission Test Data (9 KHz ~ 30 MHz):
 The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Radiated Emission Test Data (30 MHz ~ 1 GHz Worst Case):
Worst-Case Configuration (IEEE 802.11 ax-HE40_Channel 38)

Horizontal



No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	27.50	-4.08	23.42	40.00	-16.58	QP
2	36.268	31.99	-6.80	25.19	40.00	-14.81	QP
3	296.502	44.39	-9.10	35.29	46.00	-10.71	QP
4	590.351	38.56	-1.03	37.53	46.00	-8.47	QP
5	739.214	32.46	1.99	34.45	46.00	-11.55	QP
6	887.398	33.95	4.58	38.53	46.00	-7.47	QP



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Radiated Emission Test Data (Above 1GHz): Worst-Case Configuration								
No.	Frequency (MHz)	Reading (dBµV)	Correction factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Antenna Polaxis
IEEE 802.11a_Channel 36								
1	10360	27.6	6.2	33.8	54	-20.2	Average	Horizontal
2	10360	40.2	6.2	46.4	68.2	-21.8	Peak	Horizontal
3	15540	22.7	11.1	33.8	54	-20.2	Average	Horizontal
4	15540	36.4	11.1	47.5	74	-26.5	Peak	Horizontal
5	10360	27.4	6.2	33.5	54	-20.5	Average	Vertical
6	10360	41.2	6.2	47.4	68.2	-20.9	Peak	Vertical
7	15540	22.7	11.1	33.8	54	-20.2	Average	Vertical
8	15540	34.7	11.1	45.8	74	-28.2	Peak	Vertical
IEEE 802.11a_Channel 44								
1	10440	29.1	6.0	35.2	54	-18.8	Average	Horizontal
2	10440	43.1	6.0	49.1	68.2	-19.1	Peak	Horizontal
3	15660	22.9	11.1	34.0	54	-20.0	Average	Horizontal
4	15660	35.6	11.1	46.7	74	-27.3	Peak	Horizontal
5	10440	29.8	6.0	35.9	54	-18.2	Average	Vertical
6	10440	44.0	6.0	50.0	68.2	-18.2	Peak	Vertical
7	15660	23.0	11.1	34.1	54	-19.9	Average	Vertical
8	15660	35.0	11.1	46.1	74	-27.9	Peak	Vertical
IEEE 802.11a_Channel 48								
1	10480	27.4	6.0	33.4	54	-20.6	Average	Horizontal
2	10480	42.5	6.0	48.4	68.2	-19.8	Peak	Horizontal
3	15720	22.7	11.1	33.8	54	-20.2	Average	Horizontal
4	15720	35.2	11.1	46.3	74	-27.7	Peak	Horizontal
5	10480	25.8	6.0	31.8	54	-22.2	Average	Vertical
6	10480	39.3	6.0	45.3	68.2	-22.9	Peak	Vertical
7	15720	22.7	11.1	33.8	54	-20.2	Average	Vertical
8	15720	35.1	11.1	46.2	74	-27.8	Peak	Vertical
IEEE 802.11a_Channel 52								
1	10520	27.1	5.9	33.1	54	-21.0	Average	Horizontal
2	10520	41.6	5.9	47.5	68.2	-20.7	Peak	Horizontal
3	15780	22.6	11.1	33.7	54	-20.3	Average	Horizontal
4	15780	35.1	11.1	46.1	74	-27.9	Peak	Horizontal
5	10520	27.4	5.9	33.3	54	-20.7	Average	Vertical
6	10520	42.4	5.9	48.3	68.2	-19.9	Peak	Vertical
7	15780	22.5	11.1	33.6	54	-20.4	Average	Vertical
8	15780	34.6	11.1	45.6	74	-28.4	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
IEEE 802.11a_Channel 60								
1	10600	25.4	5.8	31.2	54	-22.8	Average	Horizontal
2	10600	39.0	5.8	44.8	74	-29.2	Peak	Horizontal
3	15900	21.8	11.1	32.9	54	-21.1	Average	Horizontal
4	15900	34.5	11.1	45.5	74	-28.5	Peak	Horizontal
5	10600	25.3	5.8	31.1	54	-22.9	Average	Vertical
6	10600	37.3	5.8	43.1	74	-30.9	Peak	Vertical
7	15900	21.7	11.1	32.7	54	-21.3	Average	Vertical
8	15900	34.8	11.1	45.8	74	-28.2	Peak	Vertical
IEEE 802.11a_Channel 64								
1	10640	25.4	5.8	31.2	54	-22.8	Average	Horizontal
2	10640	39.0	5.8	44.8	74	-29.2	Peak	Horizontal
3	15960	21.8	11.0	32.9	54	-21.1	Average	Horizontal
4	15960	34.5	11.0	45.6	74	-28.5	Peak	Horizontal
5	10640	25.2	5.8	31.0	54	-23.0	Average	Vertical
6	10640	39.8	5.8	45.6	74	-28.5	Peak	Vertical
7	15960	21.6	11.0	32.6	54	-21.4	Average	Vertical
8	15960	33.6	11.0	44.6	74	-29.4	Peak	Vertical
IEEE 802.11a_Channel 100								
1	11000	26.2	5.3	31.6	54	-22.5	Average	Horizontal
2	11000	38.1	5.3	43.4	74	-30.6	Peak	Horizontal
3	16500	21.9	12.2	34.1	54	-19.9	Average	Horizontal
4	16500	33.8	12.2	46.0	68.2	-22.2	Peak	Horizontal
5	11000	26.5	5.3	31.8	54	-22.2	Average	Vertical
6	11000	39.3	5.3	44.6	74	-29.4	Peak	Vertical
7	16500	21.8	12.2	34.0	54	-20.0	Average	Vertical
8	16500	33.7	12.2	45.8	68.2	-22.4	Peak	Vertical
IEEE 802.11a_Channel 116								
1	11160	25.2	5.2	30.4	54	-23.6	Average	Horizontal
2	11160	38.3	5.2	43.5	74	-30.5	Peak	Horizontal
3	16740	21.5	12.6	34.1	54	-19.9	Average	Horizontal
4	16740	34.0	12.6	46.6	68.2	-21.6	Peak	Horizontal
5	11160	25.1	5.2	30.3	54	-23.7	Average	Vertical
6	11160	37.1	5.2	42.3	74	-31.7	Peak	Vertical
7	16740	21.1	12.6	33.7	54	-20.3	Average	Vertical
8	16740	33.6	12.6	46.1	68.2	-22.1	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
IEEE 802.11a_Channel 140								
1	11400	24.6	5.1	29.7	54	-24.3	Average	Horizontal
2	11400	36.6	5.1	41.6	74	-32.4	Peak	Horizontal
3	17100	21.7	13.3	35.0	54	-19.0	Average	Horizontal
4	17100	34.2	13.3	47.5	68.2	-20.7	Peak	Horizontal
5	11400	24.6	5.1	29.7	54	-24.3	Average	Vertical
6	11400	36.6	5.1	41.7	74	-32.3	Peak	Vertical
7	17100	21.5	13.3	34.9	54	-19.1	Average	Vertical
8	17100	33.7	13.3	47.0	68.2	-21.2	Peak	Vertical
IEEE 802.11a_Channel 144								
1	11440	33.05	2.09	35.14	54.00	-18.86	Average	Horizontal
2	11440	45.86	2.09	47.95	74.00	-26.05	Peak	Horizontal
3	17160	31.48	8.88	40.36	54.00	-13.64	Average	Horizontal
4	17160	44.03	8.88	52.91	74.00	-21.09	Peak	Horizontal
5	11440	32.59	2.09	34.68	54.00	-19.32	Average	Vertical
6	11440	44.75	2.09	46.84	74.00	-27.16	Peak	Vertical
7	17160	31.08	8.88	39.96	54.00	-14.04	Average	Vertical
8	17160	43.68	8.88	52.56	74.00	-21.44	Peak	Vertical
IEEE 802.11a_Channel 149								
1	11490	23.9	5.0	28.9	54	-25.1	Average	Horizontal
2	11490	35.0	5.0	40.0	74	-34.0	Peak	Horizontal
3	17235	21.3	13.8	35.1	54	-18.9	Average	Horizontal
4	17235	33.6	13.8	47.4	68.2	-20.8	Peak	Horizontal
5	11490	23.9	5.0	28.9	54	-25.1	Average	Vertical
6	11490	35.8	5.0	40.8	74	-33.2	Peak	Vertical
7	17235	21.0	13.8	34.8	54	-19.2	Average	Vertical
8	17235	33.6	13.8	47.5	68.2	-20.8	Peak	Vertical
IEEE 802.11a_Channel 157								
1	11570	24.4	5.0	29.4	54	-24.6	Average	Horizontal
2	11570	37.5	5.0	42.5	74	-31.5	Peak	Horizontal
3	17355	21.6	14.3	35.8	54	-18.2	Average	Horizontal
4	17355	34.4	14.3	48.7	68.2	-19.5	Peak	Horizontal
5	11570	24.2	5.0	29.1	54	-24.9	Average	Vertical
6	11570	37.0	5.0	42.0	74	-32.0	Peak	Vertical
7	17355	21.3	14.3	35.6	54	-18.4	Average	Vertical
8	17355	33.0	14.3	47.3	68.2	-20.9	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
IEEE 802.11a_Channel 165								
1	11650	25.1	4.9	30.0	54	-24.0	Average	Horizontal
2	11650	37.0	4.9	42.0	74	-32.1	Peak	Horizontal
3	17475	21.1	14.7	35.8	54	-18.2	Average	Horizontal
4	17475	33.1	14.7	47.8	68.2	-20.4	Peak	Horizontal
5	11650	24.9	4.9	29.9	54	-24.2	Average	Vertical
6	11650	36.7	4.9	41.6	74	-32.4	Peak	Vertical
7	17475	21.0	14.7	35.7	54	-18.3	Average	Vertical
8	17475	33.1	14.7	47.8	68.2	-20.4	Peak	Vertical
IEEE 802.11n-HT20_Channel 36								
1	10360	27.4	6.2	33.5	54	-20.5	Average	Horizontal
2	10360	42.1	6.2	48.3	68.2	-19.9	Peak	Horizontal
3	15540	22.6	11.1	33.7	54	-20.3	Average	Horizontal
4	15540	34.6	11.1	45.7	74	-28.3	Peak	Horizontal
5	10360	26.7	6.2	32.8	54	-21.2	Average	Vertical
6	10360	40.0	6.2	46.1	68.2	-22.1	Peak	Vertical
7	15540	22.2	11.1	33.3	54	-20.7	Average	Vertical
8	15540	34.5	11.1	45.6	74	-28.4	Peak	Vertical
IEEE 802.11n-HT20_Channel 44								
1	10440	29.0	6.0	35.0	54	-19.0	Average	Horizontal
2	10440	43.7	6.0	49.7	68.2	-18.5	Peak	Horizontal
3	15660	23.0	11.1	34.1	54	-19.9	Average	Horizontal
4	15660	35.3	11.1	46.4	74	-27.6	Peak	Horizontal
5	10440	29.0	6.0	35.0	54	-19.0	Average	Vertical
6	10440	42.8	6.0	48.8	68.2	-19.4	Peak	Vertical
7	15660	22.6	11.1	33.7	54	-20.3	Average	Vertical
8	15660	35.6	11.1	46.6	74	-27.4	Peak	Vertical
IEEE 802.11n-HT20_Channel 48								
1	10480	27.3	6.0	33.3	54	-20.7	Average	Horizontal
2	10480	40.9	6.0	46.9	68.2	-21.3	Peak	Horizontal
3	15720	22.7	11.1	33.8	54	-20.2	Average	Horizontal
4	15720	34.7	11.1	45.8	74	-28.2	Peak	Horizontal
5	10480	27.0	6.0	33.0	54	-21.0	Average	Vertical
6	10480	42.5	6.0	48.5	68.2	-19.7	Peak	Vertical
7	15720	22.4	11.1	33.5	54	-20.5	Average	Vertical
8	15720	34.5	11.1	45.6	74	-28.4	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
IEEE 802.11n-HT20_Channel 52								
1	10520	27.4	5.9	33.4	54	-20.6	Average	Horizontal
2	10520	40.8	5.9	46.8	68.2	-21.5	Peak	Horizontal
3	15780	22.8	11.1	33.9	54	-20.1	Average	Horizontal
4	15780	35.6	11.1	46.7	74	-27.3	Peak	Horizontal
5	10520	27.2	5.9	33.1	54	-20.9	Average	Vertical
6	10520	41.4	5.9	47.4	68.2	-20.9	Peak	Vertical
7	15780	22.4	11.1	33.5	54	-20.5	Average	Vertical
8	15780	35.4	11.1	46.5	74	-27.5	Peak	Vertical
IEEE 802.11n-HT20_Channel 60								
1	10600	25.8	5.8	31.6	54	-22.4	Average	Horizontal
2	10600	38.3	5.8	44.1	74	-29.9	Peak	Horizontal
3	15900	21.8	11.1	32.9	54	-21.1	Average	Horizontal
4	15900	33.5	11.1	44.5	74	-29.5	Peak	Horizontal
5	10600	25.2	5.8	31.0	54	-23.0	Average	Vertical
6	10600	39.0	5.8	44.8	74	-29.2	Peak	Vertical
7	15900	21.7	11.1	32.7	54	-21.3	Average	Vertical
8	15900	33.1	11.1	44.1	74	-29.9	Peak	Vertical
IEEE 802.11n-HT20_Channel 64								
1	10640	25.5	5.8	31.3	54	-22.7	Average	Horizontal
2	10640	39.3	5.8	45.1	74	-28.9	Peak	Horizontal
3	15960	21.8	11.0	32.9	54	-21.1	Average	Horizontal
4	15960	34.0	11.0	45.0	74	-29.0	Peak	Horizontal
5	10640	25.0	5.8	30.7	54	-23.3	Average	Vertical
6	10640	38.5	5.8	44.3	74	-29.7	Peak	Vertical
7	15960	21.6	11.0	32.6	54	-21.4	Average	Vertical
8	15960	34.4	11.0	45.4	74	-28.6	Peak	Vertical
IEEE 802.11n-HT20_Channel 100								
1	11000	25.65	5.32	30.97	54.00	-23.03	Average	Horizontal
2	11000	38.06	4.52	42.58	74.00	-31.42	Peak	Horizontal
3	16500	22.06	12.15	34.21	54.00	-19.79	Average	Horizontal
4	16500	33.99	11.75	45.74	74.00	-28.26	Peak	Horizontal
5	11000	26.3	5.3	31.6	54	-22.4	Average	Vertical
6	11000	38.2	5.3	43.5	74	-30.5	Peak	Vertical
7	16500	21.8	12.2	34.0	54	-20.0	Average	Vertical
8	16500	33.7	12.2	45.8	68.2	-22.4	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
IEEE 802.11n-HT20_Channel 116								
1	11160	25.1	5.2	30.3	54	-23.7	Average	Horizontal
2	11160	37.7	5.2	42.9	74	-31.1	Peak	Horizontal
3	16740	21.5	12.6	34.1	54	-19.9	Average	Horizontal
4	16740	33.9	12.6	46.5	68.2	-21.8	Peak	Horizontal
5	11160	25.1	5.2	30.3	54	-23.7	Average	Vertical
6	11160	37.9	5.2	43.1	74	-30.9	Peak	Vertical
7	16740	21.1	12.6	33.7	54	-20.3	Average	Vertical
8	16740	33.6	12.6	46.1	68.2	-22.1	Peak	Vertical
IEEE 802.11n-HT20_Channel 140								
1	11400	24.09	5.05	29.14	54.00	-24.86	Average	Horizontal
2	11400	36.17	5.05	41.22	74.00	-32.78	Peak	Horizontal
3	17100	21.53	13.34	34.87	54.00	-19.13	Average	Horizontal
4	17100	34.19	13.34	47.53	74.00	-26.47	Peak	Horizontal
5	11400	24.5	5.1	29.6	54	-24.4	Average	Vertical
6	11400	36.6	5.1	41.7	74	-32.3	Peak	Vertical
7	17100	21.7	13.3	35.0	54	-19.0	Average	Vertical
8	17100	33.9	13.3	47.3	68.2	-20.9	Peak	Vertical
IEEE 802.11n-HT20_Channel 144								
1	11440	32.92	2.09	35.01	54.00	-18.99	Average	Horizontal
2	11440	45.41	2.09	47.50	74.00	-26.50	Peak	Horizontal
3	17160	31.55	8.88	40.43	54.00	-13.57	Average	Horizontal
4	17160	45.07	8.88	53.95	74.00	-20.05	Peak	Horizontal
5	11440	32.72	2.09	34.81	54.00	-19.19	Average	Vertical
6	11440	44.65	2.09	46.74	74.00	-27.26	Peak	Vertical
7	17160	31.08	8.88	39.96	54.00	-14.04	Average	Vertical
8	17160	44.24	8.88	53.12	74.00	-20.88	Peak	Vertical
IEEE 802.11n-HT20_Channel 149								
1	11490	24.0	5.0	29.0	54	-25.0	Average	Horizontal
2	11490	36.4	5.0	41.4	74	-32.6	Peak	Horizontal
3	17235	21.3	13.8	35.1	54	-18.9	Average	Horizontal
4	17235	33.9	13.8	47.7	68.2	-20.5	Peak	Horizontal
5	11490	23.8	5.0	28.8	54	-25.2	Average	Vertical
6	11490	37.1	5.0	42.1	74	-31.9	Peak	Vertical
7	17235	20.9	13.8	34.7	54	-19.3	Average	Vertical
8	17235	33.6	13.8	47.5	68.2	-20.8	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
IEEE 802.11n-HT20_Channel 157								
1	11570	24.2	5.0	29.1	54	-24.9	Average	Horizontal
2	11570	36.5	5.0	41.4	74	-32.6	Peak	Horizontal
3	17355	21.6	14.3	35.8	54	-18.2	Average	Horizontal
4	17355	33.5	14.3	47.7	68.2	-20.5	Peak	Horizontal
5	11570	24.1	5.0	29.0	54	-25.0	Average	Vertical
6	11570	36.6	5.0	41.6	74	-32.4	Peak	Vertical
7	17355	21.3	14.3	35.6	54	-18.4	Average	Vertical
8	17355	32.9	14.3	47.2	68.2	-21.1	Peak	Vertical
IEEE 802.11n-HT20_Channel 165								
1	11650	25.0	4.9	29.9	54	-24.1	Average	Horizontal
2	11650	36.9	4.9	41.8	74	-32.2	Peak	Horizontal
3	17475	21.1	14.7	35.8	54	-18.2	Average	Horizontal
4	17475	33.9	14.7	48.6	68.2	-19.7	Peak	Horizontal
5	11650	24.9	4.9	29.9	54	-24.2	Average	Vertical
6	11650	36.7	4.9	41.6	74	-32.4	Peak	Vertical
7	17475	21.0	14.7	35.7	54	-18.3	Average	Vertical
8	17475	33.6	14.7	48.3	68.2	-19.9	Peak	Vertical
IEEE 802.11n-HT40_Channel 38								
1	10380	28.3	6.1	34.4	54	-19.6	Average	Horizontal
2	10380	40.5	6.1	46.6	68.2	-21.6	Peak	Horizontal
3	15570	22.6	11.1	33.7	54	-20.3	Average	Horizontal
4	15570	35.3	11.1	46.4	74	-27.6	Peak	Horizontal
5	10380	28.1	6.1	34.2	54	-19.8	Average	Vertical
6	10380	40.3	6.1	46.5	68.2	-21.8	Peak	Vertical
7	15570	22.3	11.1	33.4	54	-20.6	Average	Vertical
8	15570	34.4	11.1	45.5	74	-28.5	Peak	Vertical
IEEE 802.11n-HT40_Channel 46								
1	10460	28.6	6.0	34.6	54	-19.4	Average	Horizontal
2	10460	41.1	6.0	47.1	68.2	-21.1	Peak	Horizontal
3	15690	23.0	11.1	34.1	54	-19.9	Average	Horizontal
4	15690	35.3	11.1	46.3	74	-27.7	Peak	Horizontal
5	10460	28.8	6.0	34.8	54	-19.2	Average	Vertical
6	10460	41.1	6.0	47.1	68.2	-21.1	Peak	Vertical
7	15690	22.6	11.1	33.7	54	-20.3	Average	Vertical
8	15690	34.8	11.1	45.8	74	-28.2	Peak	Vertical

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IEEE 802.11n-HT40_Channel 54								
1	10540	26.4	5.9	32.3	54	-21.7	Average	Horizontal
2	10540	38.5	5.9	44.4	68.2	-23.9	Peak	Horizontal
3	15810	22.2	11.1	33.2	54	-20.8	Average	Horizontal
4	15810	33.8	11.1	44.9	74	-29.1	Peak	Horizontal
5	10540	26.2	5.9	32.1	54	-21.9	Average	Vertical
6	10540	40.2	5.9	46.1	68.2	-22.1	Peak	Vertical
7	15810	21.9	11.1	33.0	54	-21.0	Average	Vertical
8	15810	33.4	11.1	44.5	74	-29.5	Peak	Vertical
IEEE 802.11n-HT40_Channel 62								
1	10620	25.6	5.8	31.4	54	-22.6	Average	Horizontal
2	10620	37.7	5.8	43.5	74	-30.5	Peak	Horizontal
3	15930	22.2	11.0	33.2	54	-20.8	Average	Horizontal
4	15930	34.7	11.0	45.8	74	-28.2	Peak	Horizontal
5	10620	25.1	5.8	30.9	54	-23.1	Average	Vertical
6	10620	37.2	5.8	43.0	74	-31.0	Peak	Vertical
7	15930	22.1	11.0	33.1	54	-20.9	Average	Vertical
8	15930	33.9	11.0	44.9	74	-29.1	Peak	Vertical
IEEE 802.11n-HT40_Channel 102								
1	11020	25.9	5.3	31.2	54	-22.8	Average	Horizontal
2	11020	38.7	5.3	44.0	74	-30.0	Peak	Horizontal
3	16530	22.4	12.2	34.7	54	-19.4	Average	Horizontal
4	16530	34.6	12.2	46.8	68.2	-21.4	Peak	Horizontal
5	11020	26.5	5.3	31.8	54	-22.2	Average	Vertical
6	11020	38.2	5.3	43.5	74	-30.5	Peak	Vertical
7	16530	22.2	12.2	34.4	54	-19.6	Average	Vertical
8	16530	34.5	12.2	46.7	68.2	-21.5	Peak	Vertical
IEEE 802.11n-HT40_Channel 110								
1	11100	25.1	5.3	30.3	54	-23.7	Average	Horizontal
2	11100	37.8	5.3	43.0	74	-31.0	Peak	Horizontal
3	16650	22.0	12.4	34.4	54	-19.6	Average	Horizontal
4	16650	33.6	12.4	46.0	68.2	-22.2	Peak	Horizontal
5	11100	25.5	5.3	30.7	54	-23.3	Average	Vertical
6	11100	37.4	5.3	42.7	74	-31.3	Peak	Vertical
7	16650	21.8	12.4	34.2	54	-19.8	Average	Vertical
8	16650	34.9	12.4	47.3	68.2	-21.0	Peak	Vertical

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IEEE 802.11n-HT40_Channel 134								
1	11340	23.3	5.1	28.4	54	-25.6	Average	Horizontal
2	11340	35.5	5.1	40.6	74	-33.4	Peak	Horizontal
3	17010	22.0	13.0	35.0	54	-19.0	Average	Horizontal
4	17010	34.1	13.0	47.1	68.2	-21.1	Peak	Horizontal
5	11340	23.1	5.1	28.2	54	-25.8	Average	Vertical
6	11340	34.9	5.1	40.0	74	-34.0	Peak	Vertical
7	17010	21.9	13.0	34.9	54	-19.1	Average	Vertical
8	17010	34.0	13.0	47.1	68.2	-21.2	Peak	Vertical
IEEE 802.11n-HT40_Channel 142								
1	11420	32.41	2.10	34.51	54.00	-19.49	Average	Horizontal
2	11420	44.25	2.10	46.35	74.00	-27.65	Peak	Horizontal
3	17130	31.75	8.84	40.59	54.00	-13.41	Average	Horizontal
4	17130	44.22	8.84	53.06	74.00	-20.94	Peak	Horizontal
5	11420	32.38	2.10	34.48	54.00	-19.52	Average	Vertical
6	11420	44.11	2.10	46.21	74.00	-27.79	Peak	Vertical
7	17130	31.64	8.84	40.48	54.00	-13.52	Average	Vertical
8	17130	45.10	8.84	53.94	74.00	-20.06	Peak	Vertical
IEEE 802.11n-HT40_Channel 151								
1	11510	24.2	5.0	29.1	54	-24.9	Average	Horizontal
2	11510	35.9	5.0	40.8	74	-33.2	Peak	Horizontal
3	17265	21.7	13.9	35.6	54	-18.4	Average	Horizontal
4	17265	33.6	13.9	47.6	68.2	-20.7	Peak	Horizontal
5	11510	24.1	5.0	29.1	54	-25.0	Average	Vertical
6	11510	36.5	5.0	41.4	74	-32.6	Peak	Vertical
7	17265	21.3	13.9	35.2	54	-18.8	Average	Vertical
8	17265	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
IEEE 802.11n-HT40_Channel 159								
1	11590	24.4	4.9	29.4	54	-24.6	Average	Horizontal
2	11590	36.1	4.9	41.1	74	-32.9	Peak	Horizontal
3	17385	21.9	14.4	36.3	54	-17.7	Average	Horizontal
4	17385	34.1	14.4	48.4	68.2	-19.8	Peak	Horizontal
5	11590	24.4	4.9	29.3	54	-24.7	Average	Vertical
6	11590	36.9	4.9	41.8	74	-32.2	Peak	Vertical
7	17385	21.7	14.4	36.1	54	-17.9	Average	Vertical
8	17385	33.9	14.4	48.2	68.2	-20.0	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
IEEE 802.11ax-HE20_Channel 36								
1	10360	26.3	6.2	32.5	54	-21.5	Average	Horizontal
2	10360	38.8	6.2	45.0	68.2	-23.2	Peak	Horizontal
3	15540	23.0	11.1	34.1	54	-19.9	Average	Horizontal
4	15540	36.3	11.1	47.4	74	-26.6	Peak	Horizontal
5	10360	26.5	6.2	32.6	54	-21.4	Average	Vertical
6	10360	38.0	6.2	44.2	68.2	-24.0	Peak	Vertical
7	15540	22.7	11.1	33.8	54	-20.2	Average	Vertical
8	15540	34.7	11.1	45.8	74	-28.2	Peak	Vertical
IEEE 802.11ax-HE20_Channel 44								
1	10440	26.2	6.0	32.2	54	-21.8	Average	Horizontal
2	10440	39.4	6.0	45.4	68.2	-22.8	Peak	Horizontal
3	15660	23.4	11.1	34.5	54	-19.5	Average	Horizontal
4	15660	36.3	11.1	47.4	74	-26.6	Peak	Horizontal
5	10440	26.5	6.0	32.5	54	-21.5	Average	Vertical
6	10440	38.2	6.0	44.3	68.2	-24.0	Peak	Vertical
7	15660	23.0	11.1	34.1	54	-19.9	Average	Vertical
8	15660	35.1	11.1	46.2	74	-27.9	Peak	Vertical
IEEE 802.11ax-HE20_Channel 48								
1	10480	28.65	5.98	34.63	54.00	-19.37	Average	Horizontal
2	10480	40.84	5.98	46.82	74.00	-27.18	Peak	Horizontal
3	15720	23.59	11.08	34.67	54.00	-19.33	Average	Horizontal
4	15720	35.11	11.08	46.19	74.00	-27.81	Peak	Horizontal
5	10480	26.6	6.0	32.6	54	-21.4	Average	Vertical
6	10480	41.2	6.0	47.2	68.2	-21.0	Peak	Vertical
7	15720	22.9	11.1	34.0	54	-20.0	Average	Vertical
8	15720	34.6	11.1	45.6	74	-28.4	Peak	Vertical
IEEE 802.11ax-HE20_Channel 52								
1	10520	26.5	5.9	32.4	54	-21.6	Average	Horizontal
2	10520	39.6	5.9	45.5	68.2	-22.7	Peak	Horizontal
3	15780	23.0	11.1	34.1	54	-19.9	Average	Horizontal
4	15780	35.5	11.1	46.5	74	-27.5	Peak	Horizontal
5	10520	26.7	5.9	32.7	54	-21.4	Average	Vertical
6	10520	39.7	5.9	45.7	68.2	-22.5	Peak	Vertical
7	15780	22.8	11.1	33.9	54	-20.1	Average	Vertical
8	15780	34.9	11.1	46.0	74	-28.1	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
IEEE 802.11ax-HE20_Channel 60								
1	10600	25.2	5.8	31.0	54	-23.0	Average	Horizontal
2	10600	37.2	5.8	43.0	74	-31.0	Peak	Horizontal
3	15900	22.0	11.1	33.1	54	-20.9	Average	Horizontal
4	15900	34.7	11.1	45.7	74	-28.3	Peak	Horizontal
5	10600	25.0	5.8	30.8	54	-23.2	Average	Vertical
6	10600	37.4	5.8	43.2	74	-30.8	Peak	Vertical
7	15900	21.9	11.1	33.0	54	-21.0	Average	Vertical
8	15900	34.3	11.1	45.3	74	-28.7	Peak	Vertical
IEEE 802.11ax-HE20_Channel 64								
1	10640	25.1	5.8	30.9	54	-23.1	Average	Horizontal
2	10640	37.4	5.8	43.1	74	-30.9	Peak	Horizontal
3	15960	22.1	11.0	33.1	54	-20.9	Average	Horizontal
4	15960	34.8	11.0	45.8	74	-28.2	Peak	Horizontal
5	10640	24.8	5.8	30.6	54	-23.4	Average	Vertical
6	10640	38.0	5.8	43.8	74	-30.2	Peak	Vertical
7	15960	22.0	11.0	33.0	54	-21.0	Average	Vertical
8	15960	34.4	11.0	45.4	74	-28.6	Peak	Vertical
IEEE 802.11ax-HE20_Channel 100								
1	11000	38.36	5.32	43.68	74.00	-30.32	Average	Horizontal
2	11000	34.16	12.15	46.31	74.00	-27.69	Peak	Horizontal
3	16500	23.59	11.08	34.67	54.00	-19.33	Average	Horizontal
4	16500	35.11	11.08	46.19	74.00	-27.81	Peak	Horizontal
5	11000	37.59	5.32	42.91	74.00	-31.09	Average	Vertical
6	11000	34.33	12.15	46.48	74.00	-27.52	Peak	Vertical
7	16500	23.59	11.08	34.67	54.00	-19.33	Average	Vertical
8	16500	35.11	11.08	46.19	74.00	-27.81	Peak	Vertical
IEEE 802.11ax-HE20_Channel 116								
1	11160	25.3	5.2	30.5	54	-23.5	Average	Horizontal
2	11160	38.3	5.2	43.5	74	-30.5	Peak	Horizontal
3	16740	21.9	12.6	34.4	54	-19.6	Average	Horizontal
4	16740	34.6	12.6	47.1	68.2	-21.1	Peak	Horizontal
5	11160	25.4	5.2	30.7	54	-23.4	Average	Vertical
6	11160	38.0	5.2	43.2	74	-30.8	Peak	Vertical
7	16740	21.6	12.6	34.2	54	-19.8	Average	Vertical
8	16740	33.8	12.6	46.4	68.2	-21.8	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
IEEE 802.11ax-HE20_Channel 140								
1	11400	24.7	5.1	29.8	54	-24.3	Average	Horizontal
2	11400	37.1	5.1	42.1	74	-31.9	Peak	Horizontal
3	17100	22.1	13.3	35.5	54	-18.5	Average	Horizontal
4	17100	34.2	13.3	47.6	68.2	-20.7	Peak	Horizontal
5	11400	24.4	5.1	29.5	54	-24.5	Average	Vertical
6	11400	37.2	5.1	42.2	74	-31.8	Peak	Vertical
7	17100	22.1	13.3	35.5	54	-18.5	Average	Vertical
8	17100	35.2	13.3	48.5	68.2	-19.7	Peak	Vertical
IEEE 802.11ax-HE20_Channel 144								
1	11440	32.85	2.09	34.94	54.00	-19.06	Average	Horizontal
2	11440	46.03	2.09	48.12	74.00	-25.88	Peak	Horizontal
3	17160	31.44	8.88	40.32	54.00	-13.68	Average	Horizontal
4	17160	43.94	8.88	52.82	74.00	-21.18	Peak	Horizontal
5	11440	32.65	2.09	34.74	54.00	-19.26	Average	Vertical
6	11440	44.81	2.09	46.90	74.00	-27.10	Peak	Vertical
7	17160	31.20	8.88	40.08	54.00	-13.92	Average	Vertical
8	17160	43.80	8.88	52.68	74.00	-21.32	Peak	Vertical
IEEE 802.11ax-HE20_Channel 149								
1	11490	24.0	5.0	29.0	54	-25.0	Average	Horizontal
2	11490	36.3	5.0	41.3	74	-32.7	Peak	Horizontal
3	17235	21.8	13.8	35.6	54	-18.4	Average	Horizontal
4	17235	34.3	13.8	48.2	68.2	-20.0	Peak	Horizontal
5	11490	24.0	5.0	29.0	54	-25.0	Average	Vertical
6	11490	36.1	5.0	41.1	74	-32.9	Peak	Vertical
7	17235	21.5	13.8	35.4	54	-18.7	Average	Vertical
8	17235	34.7	13.8	48.6	68.2	-19.6	Peak	Vertical
IEEE 802.11ax-HE20_Channel 157								
1	11570	24.4	5.0	29.4	54	-24.6	Average	Horizontal
2	11570	36.4	5.0	41.3	74	-32.7	Peak	Horizontal
3	17355	22.1	14.3	36.3	54	-17.7	Average	Horizontal
4	17355	34.6	14.3	48.9	68.2	-19.3	Peak	Horizontal
5	11570	24.5	5.0	29.5	54	-24.5	Average	Vertical
6	11570	37.3	5.0	42.2	74	-31.8	Peak	Vertical
7	17355	21.9	14.3	36.2	54	-17.8	Average	Vertical
8	17355	33.9	14.3	48.2	68.2	-20.0	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
IEEE 802.11ax-HE20_Channel 165								
1	11650	25.3	4.9	30.2	54	-23.8	Average	Horizontal
2	11650	38.1	4.9	43.0	74	-31.0	Peak	Horizontal
3	17475	21.4	14.7	36.1	54	-17.9	Average	Horizontal
4	17475	33.6	14.7	48.3	68.2	-19.9	Peak	Horizontal
5	11650	25.3	4.9	30.2	54	-23.8	Average	Vertical
6	11650	37.5	4.9	42.4	74	-31.6	Peak	Vertical
7	17475	21.4	14.7	36.1	54	-17.9	Average	Vertical
8	17475	33.1	14.7	47.8	68.2	-20.4	Peak	Vertical
IEEE 802.11ax-HE40_Channel 38								
1	10380	27.2	6.1	33.3	54	-20.7	Average	Horizontal
2	10380	41.0	6.1	47.1	68.2	-21.1	Peak	Horizontal
3	15570	23.0	11.1	34.1	54	-19.9	Average	Horizontal
4	15570	35.2	11.1	46.3	74	-27.7	Peak	Horizontal
5	10380	27.5	6.1	33.6	54	-20.4	Average	Vertical
6	10380	40.6	6.1	46.8	68.2	-21.5	Peak	Vertical
7	15570	22.8	11.1	33.9	54	-20.1	Average	Vertical
8	15570	34.7	11.1	45.8	74	-28.2	Peak	Vertical
IEEE 802.11ax-HE40_Channel 46								
1	10460	28.1	6.0	34.1	54	-19.9	Average	Horizontal
2	10460	40.3	6.0	46.3	68.2	-21.9	Peak	Horizontal
3	15690	23.4	11.1	34.5	54	-19.5	Average	Horizontal
4	15690	36.0	11.1	47.1	74	-27.0	Peak	Horizontal
5	10460	28.4	6.0	34.4	54	-19.6	Average	Vertical
6	10460	41.3	6.0	47.3	68.2	-20.9	Peak	Vertical
7	15690	23.1	11.1	34.2	54	-19.8	Average	Vertical
8	15690	35.2	11.1	46.3	74	-27.8	Peak	Vertical
IEEE 802.11ax-HE40_Channel 54								
1	10540	25.9	5.9	31.7	54	-22.3	Average	Horizontal
2	10540	38.3	5.9	44.1	68.2	-24.1	Peak	Horizontal
3	15810	22.6	11.1	33.7	54	-20.3	Average	Horizontal
4	15810	34.6	11.1	45.7	74	-28.3	Peak	Horizontal
5	10540	25.8	5.9	31.7	54	-22.3	Average	Vertical
6	10540	37.5	5.9	43.4	68.2	-24.8	Peak	Vertical
7	15810	22.4	11.1	33.4	54	-20.6	Average	Vertical
8	15810	34.3	11.1	45.3	74	-28.7	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
IEEE 802.11ax-HE40_Channel 62								
1	10620	25.1	5.8	30.9	54	-23.1	Average	Horizontal
2	10620	36.3	5.8	42.1	74	-31.9	Peak	Horizontal
3	15930	22.2	11.0	33.2	54	-20.8	Average	Horizontal
4	15930	35.5	11.0	46.5	74	-27.5	Peak	Horizontal
5	10620	25.1	5.8	30.9	54	-23.1	Average	Vertical
6	10620	36.3	5.8	42.1	74	-31.9	Peak	Vertical
7	15930	21.9	11.0	33.0	54	-21.0	Average	Vertical
8	15930	34.6	11.0	45.6	74	-28.4	Peak	Vertical
IEEE 802.11ax-HE40_Channel 102								
1	11020	25.9	5.3	31.2	54	-22.8	Average	Horizontal
2	11020	37.6	5.3	42.9	74	-31.1	Peak	Horizontal
3	16530	22.4	12.2	34.7	54	-19.4	Average	Horizontal
4	16530	34.7	12.2	46.9	68.2	-21.3	Peak	Horizontal
5	11020	26.5	5.3	31.8	54	-22.2	Average	Vertical
6	11020	38.2	5.3	43.5	74	-30.5	Peak	Vertical
7	16530	22.3	12.2	34.6	54	-19.5	Average	Vertical
8	16530	34.3	12.2	46.5	68.2	-21.7	Peak	Vertical
IEEE 802.11ax-HE40_Channel 110								
1	11100	25.3	5.3	30.6	54	-23.4	Average	Horizontal
2	11100	37.9	5.3	43.1	74	-30.9	Peak	Horizontal
3	16650	22.0	12.4	34.4	54	-19.6	Average	Horizontal
4	16650	34.8	12.4	47.2	68.2	-21.0	Peak	Horizontal
5	11100	25.6	5.3	30.9	54	-23.1	Average	Vertical
6	11100	37.6	5.3	42.9	74	-31.1	Peak	Vertical
7	16650	21.8	12.4	34.2	54	-19.8	Average	Vertical
8	16650	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
IEEE 802.11ax-HE40_Channel 134								
1	11340	23.4	5.1	28.5	54	-25.5	Average	Horizontal
2	11340	35.5	5.1	40.6	74	-33.4	Peak	Horizontal
3	17010	22.0	13.0	35.0	54	-19.0	Average	Horizontal
4	17010	34.0	13.0	47.1	68.2	-21.2	Peak	Horizontal
5	11340	23.2	5.1	28.3	54	-25.7	Average	Vertical
6	11340	35.0	5.1	40.1	74	-33.9	Peak	Vertical
7	17010	21.9	13.0	34.9	54	-19.1	Average	Vertical
8	17010	34.4	13.0	47.4	68.2	-20.8	Peak	Vertical

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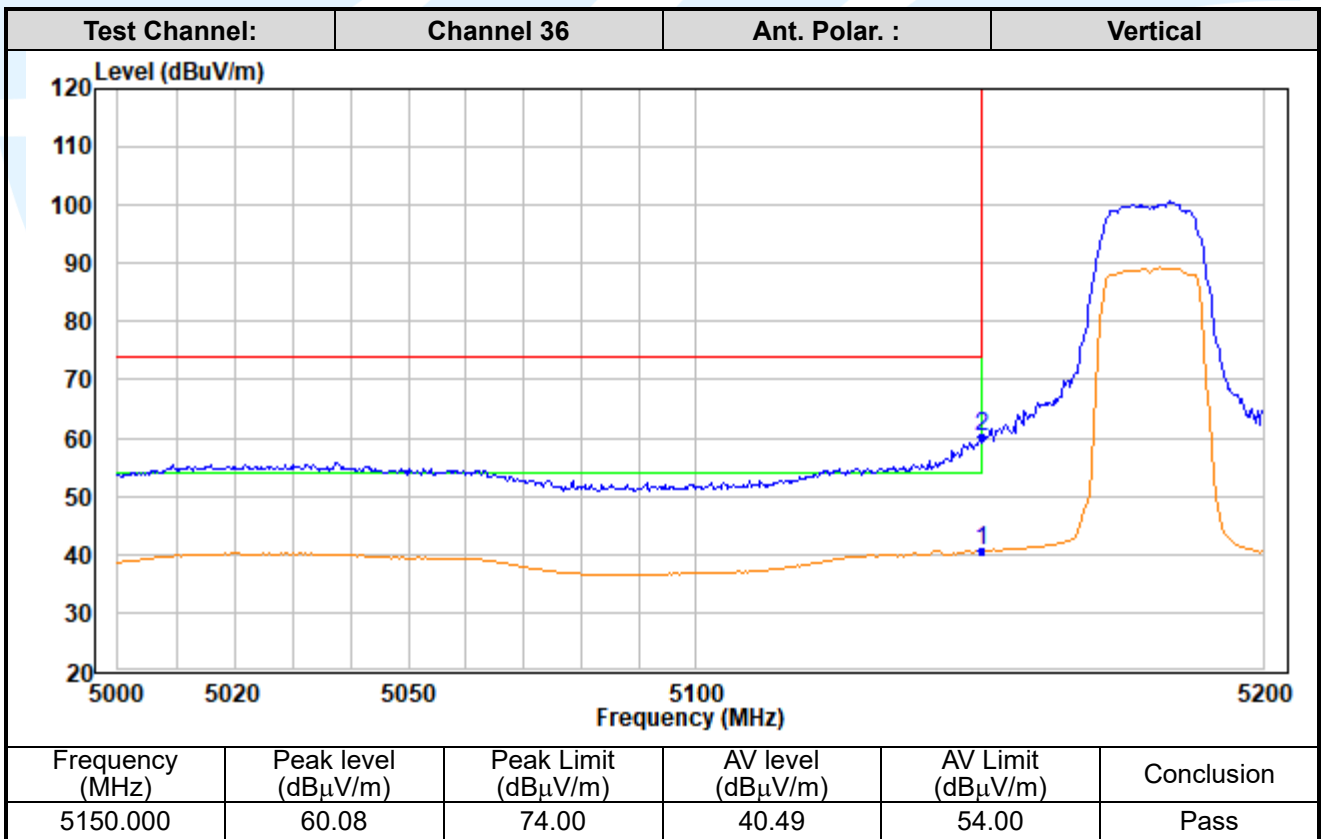
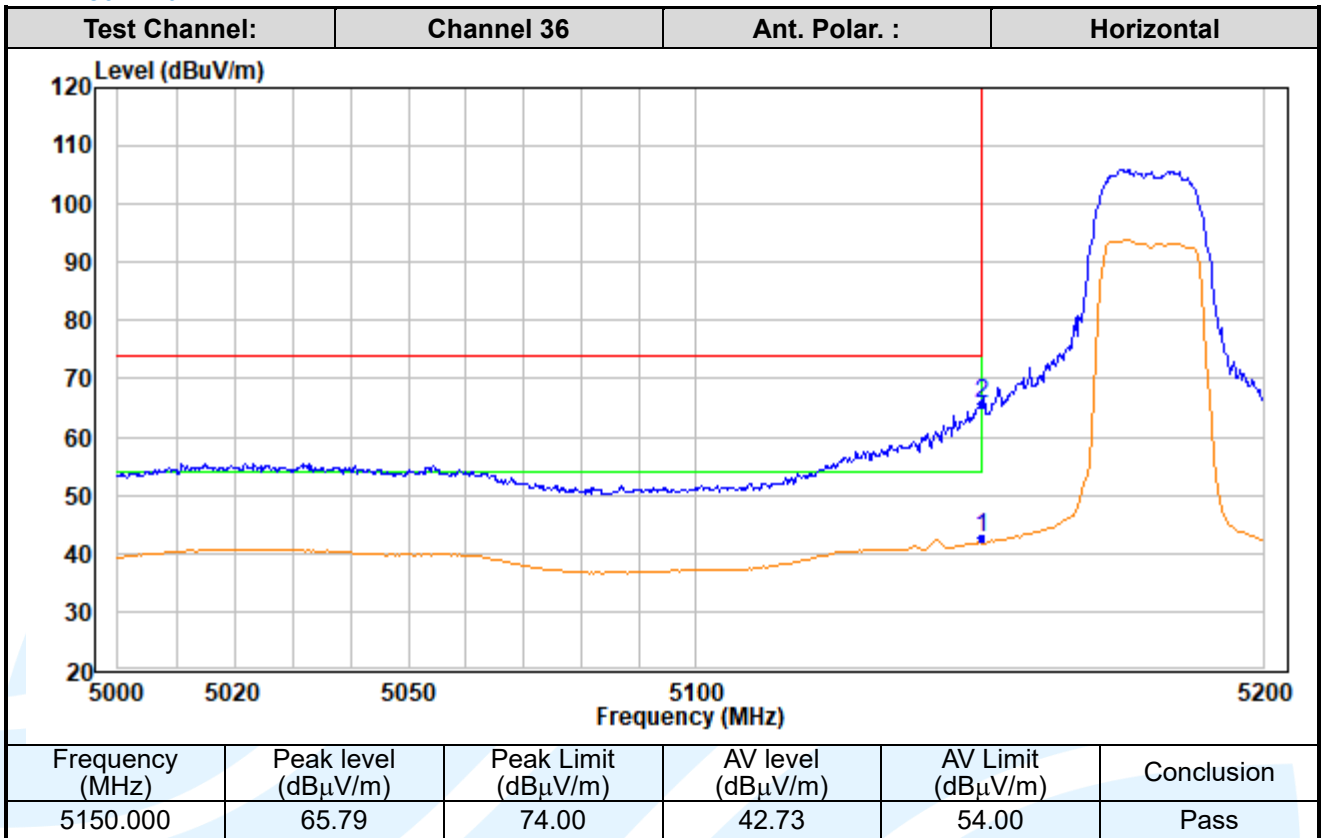
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
IEEE 802.11ax-HE40_Channel 142								
1	11420	32.34	2.10	34.44	54.00	-19.56	Average	Horizontal
2	11420	44.45	2.10	46.55	74.00	-27.45	Peak	Horizontal
3	17130	31.75	8.84	40.59	54.00	-13.41	Average	Horizontal
4	17130	44.42	8.84	53.26	74.00	-20.74	Peak	Horizontal
5	11420	32.31	2.10	34.41	54.00	-19.59	Average	Vertical
6	11420	44.76	2.10	46.86	74.00	-27.14	Peak	Vertical
7	17130	31.56	8.84	40.40	54.00	-13.60	Average	Vertical
8	17130	43.78	8.84	52.62	74.00	-21.38	Peak	Vertical
IEEE 802.11ax-HE40_Channel 151								
1	11510	24.3	5.0	29.3	54	-24.7	Average	Horizontal
2	11510	36.5	5.0	41.5	74	-32.5	Peak	Horizontal
3	17265	21.8	13.9	35.7	54	-18.3	Average	Horizontal
4	17265	34.2	13.9	48.1	68.2	-20.1	Peak	Horizontal
5	11510	24.3	5.0	29.2	54	-24.8	Average	Vertical
6	11510	35.9	5.0	40.9	74	-33.1	Peak	Vertical
7	17265	21.5	13.9	35.5	54	-18.5	Average	Vertical
8	17265	33.8	13.9	47.8	68.2	-20.4	Peak	Vertical
IEEE 802.11ax-HE40_Channel 159								
1	11590	24.4	4.9	29.3	54	-24.7	Average	Horizontal
2	11590	37.4	4.9	42.3	74	-31.7	Peak	Horizontal
3	17385	21.9	14.4	36.3	54	-17.7	Average	Horizontal
4	17385	34.1	14.4	48.5	68.2	-19.7	Peak	Horizontal
5	11590	24.4	4.9	29.4	54	-24.6	Average	Vertical
6	11590	36.9	4.9	41.8	74	-32.2	Peak	Vertical
7	17385	21.8	14.4	36.2	54	-17.8	Average	Vertical
8	17385	33.7	14.4	48.0	68.2	-20.2	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

Band Edge Measurements (Radiated)

IEEE 802.11a



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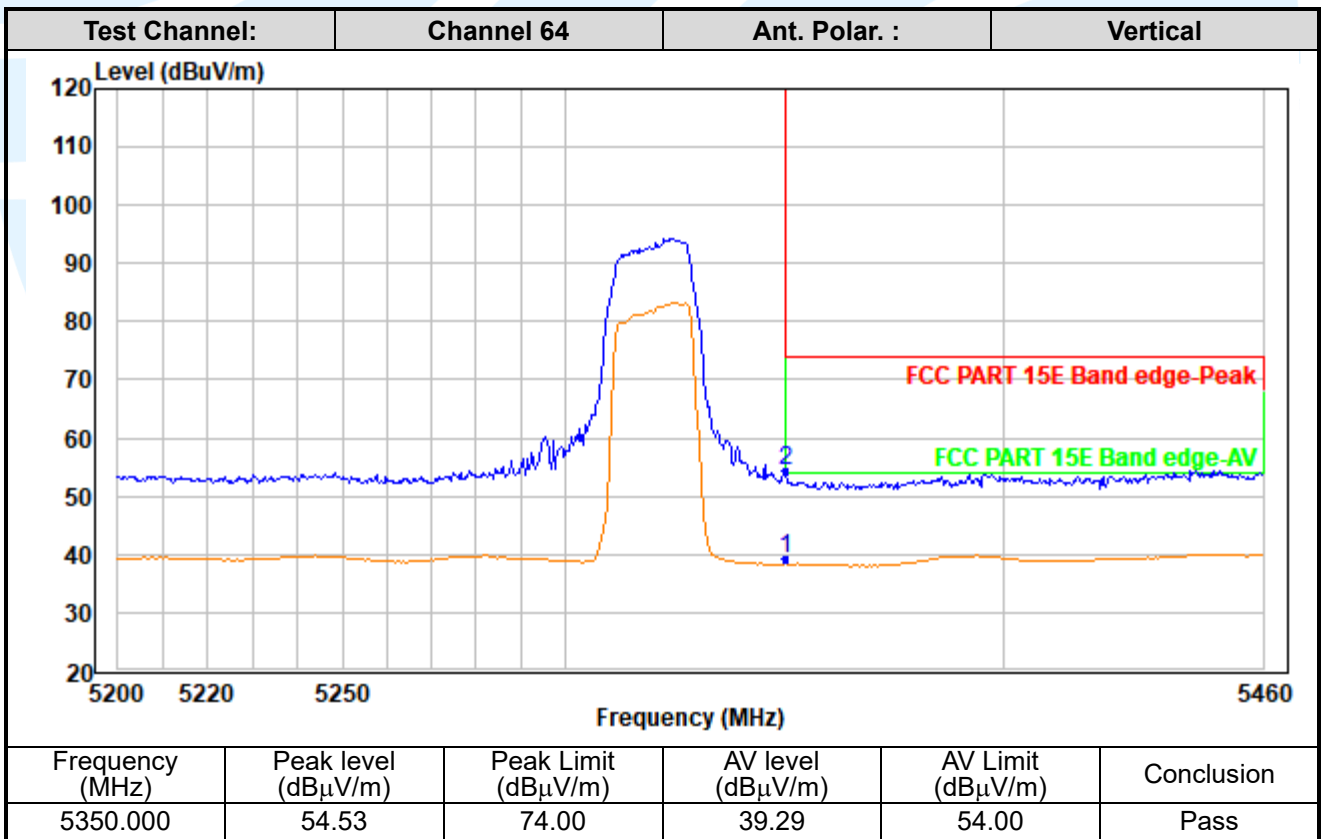
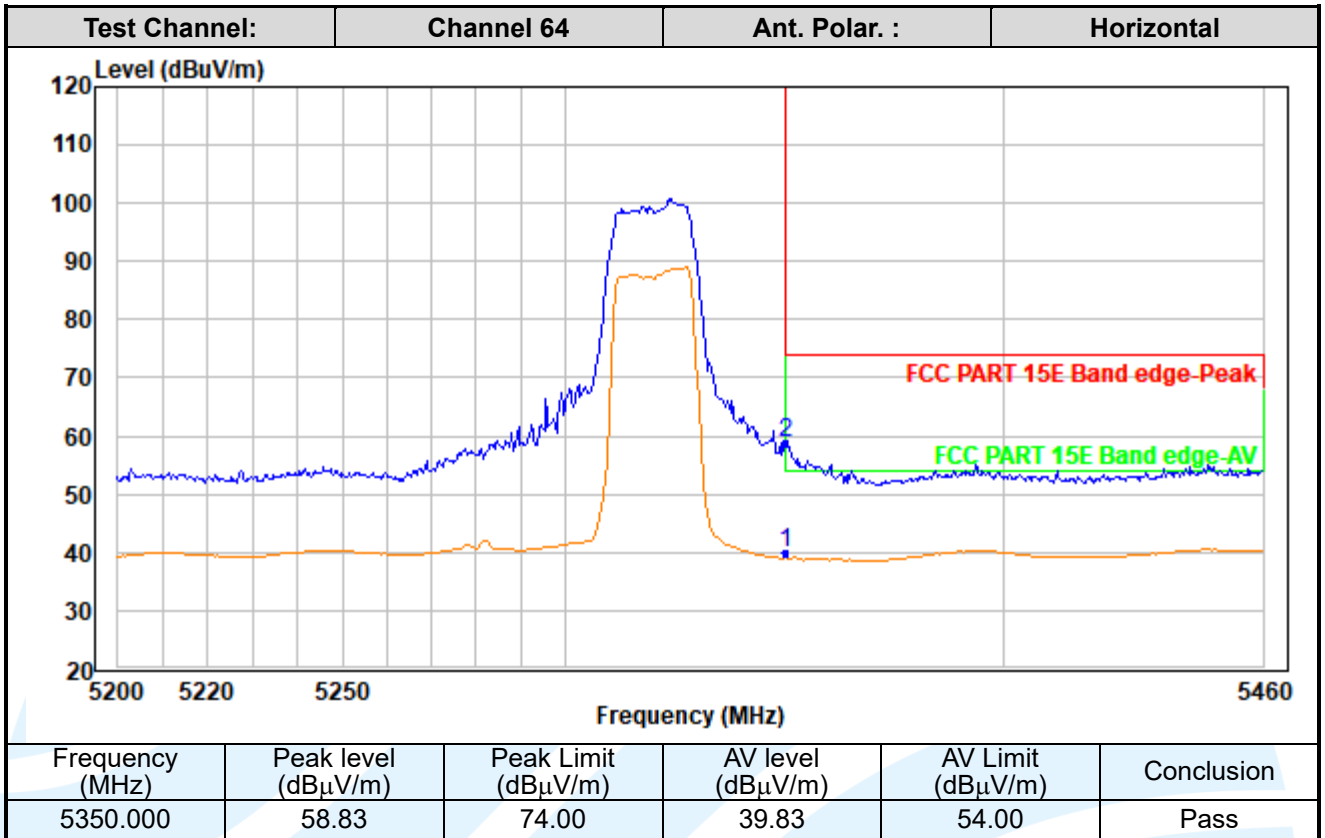
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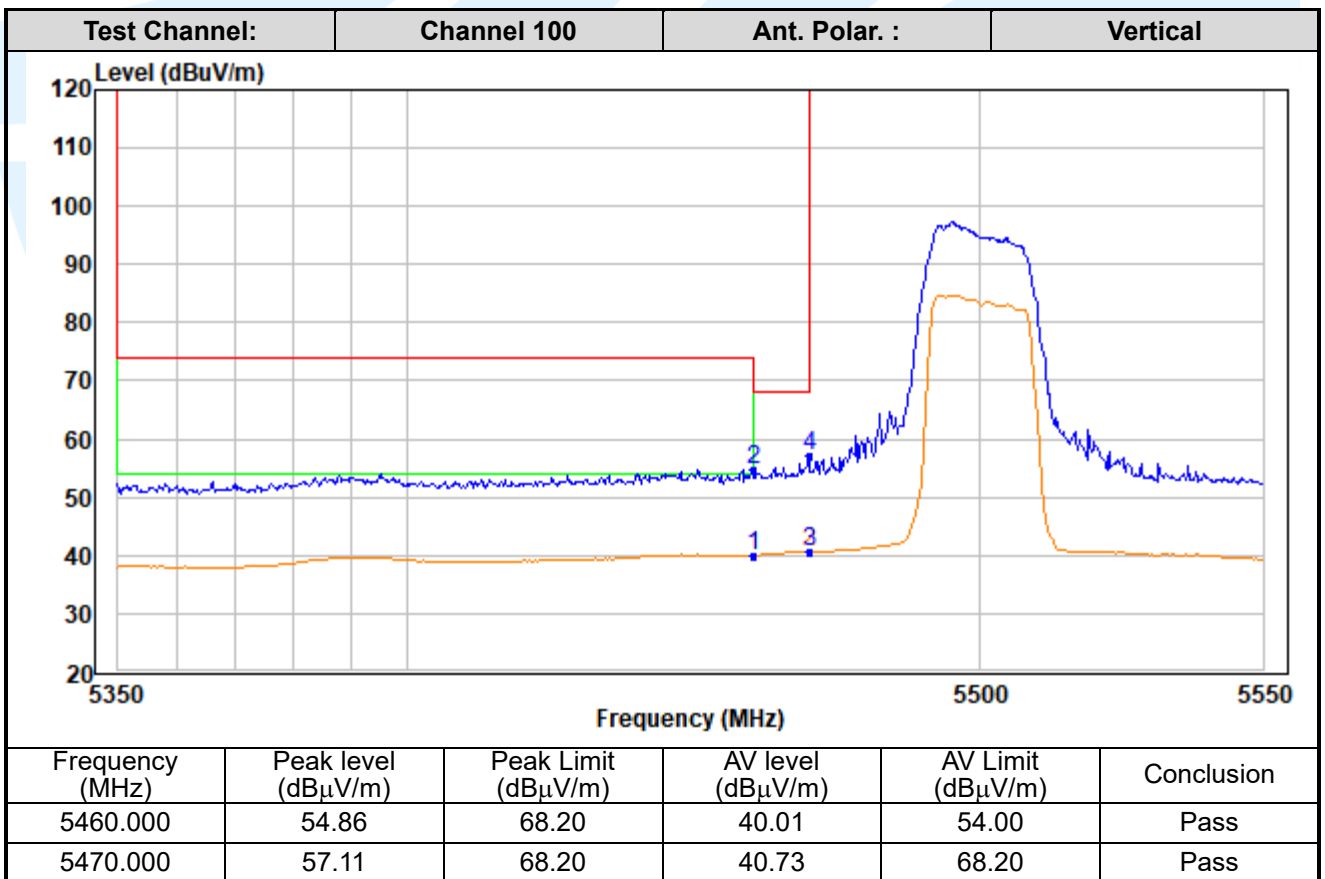
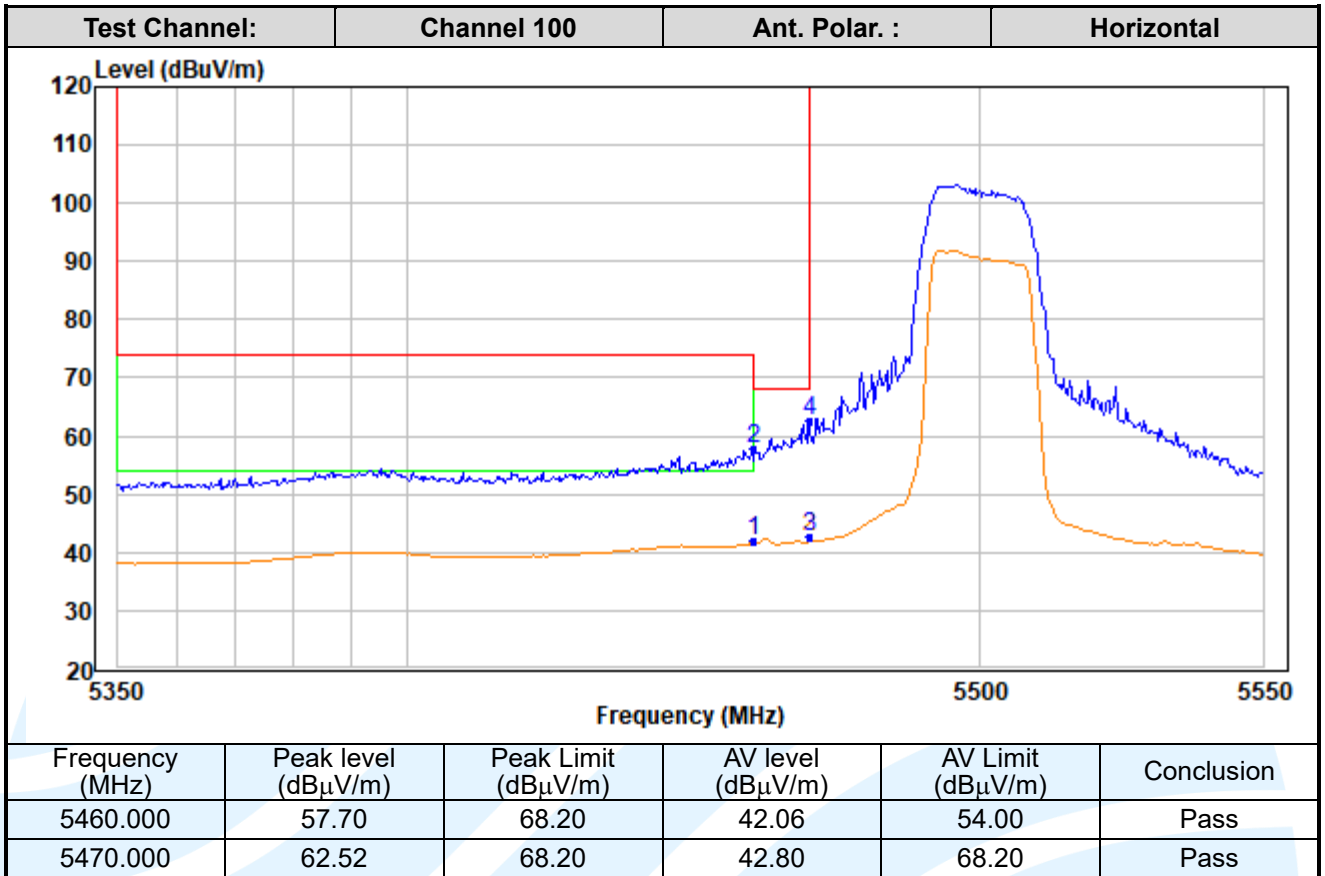
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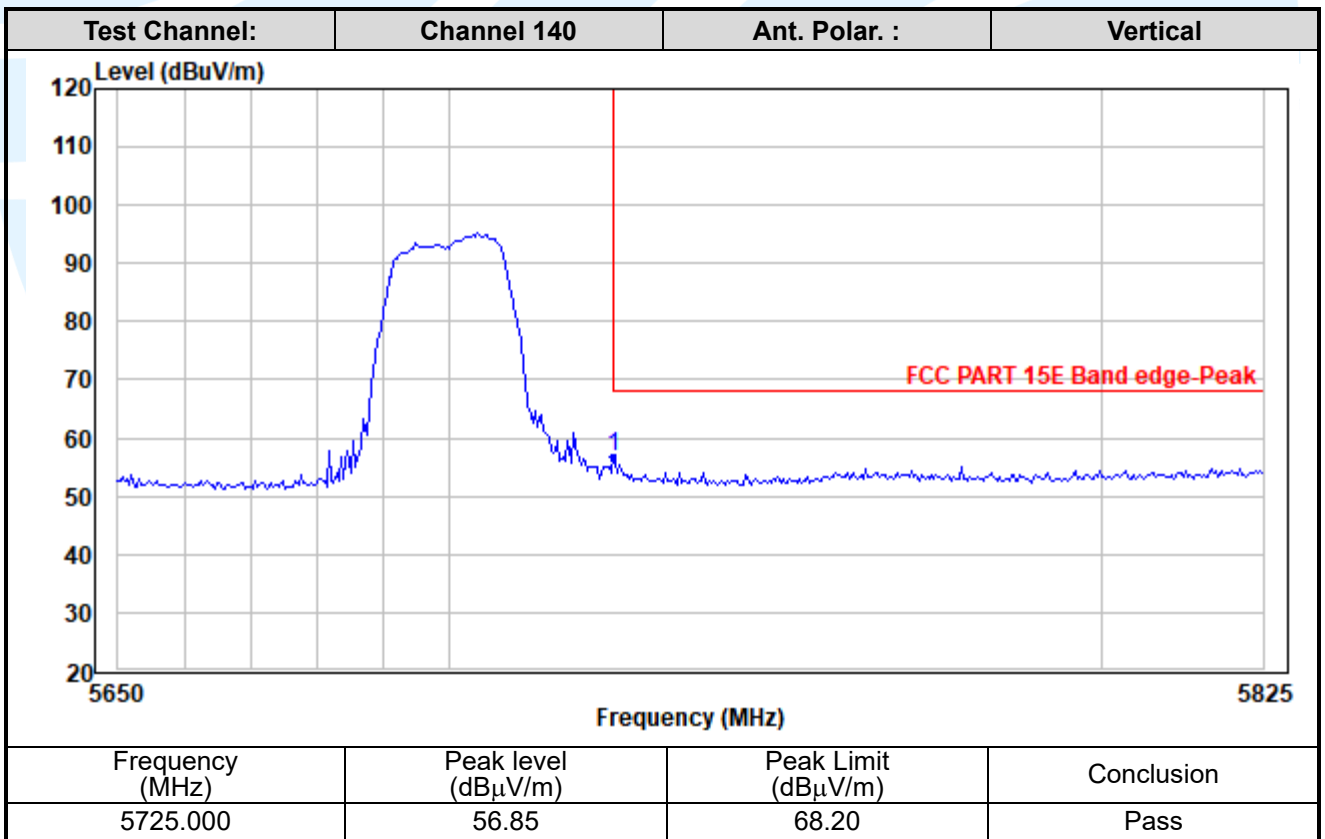
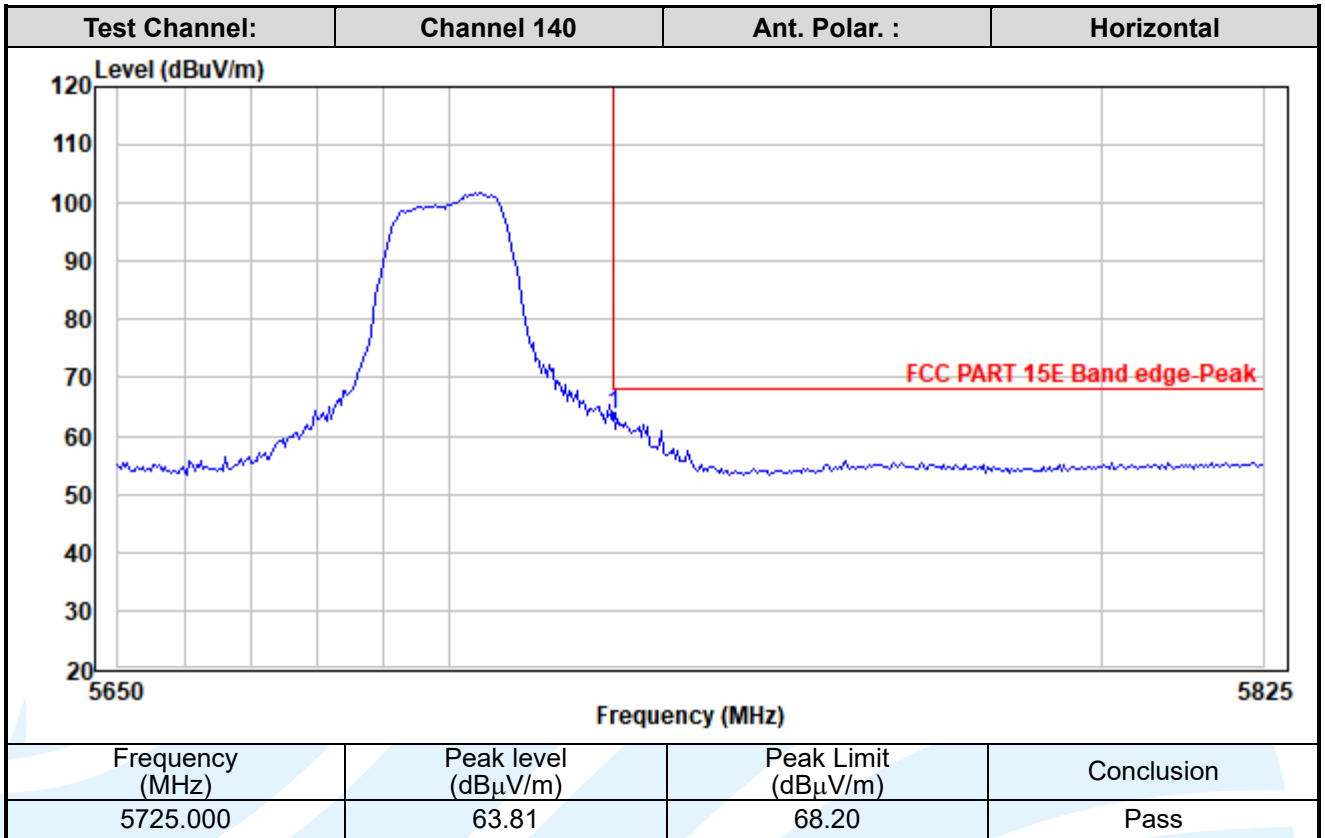
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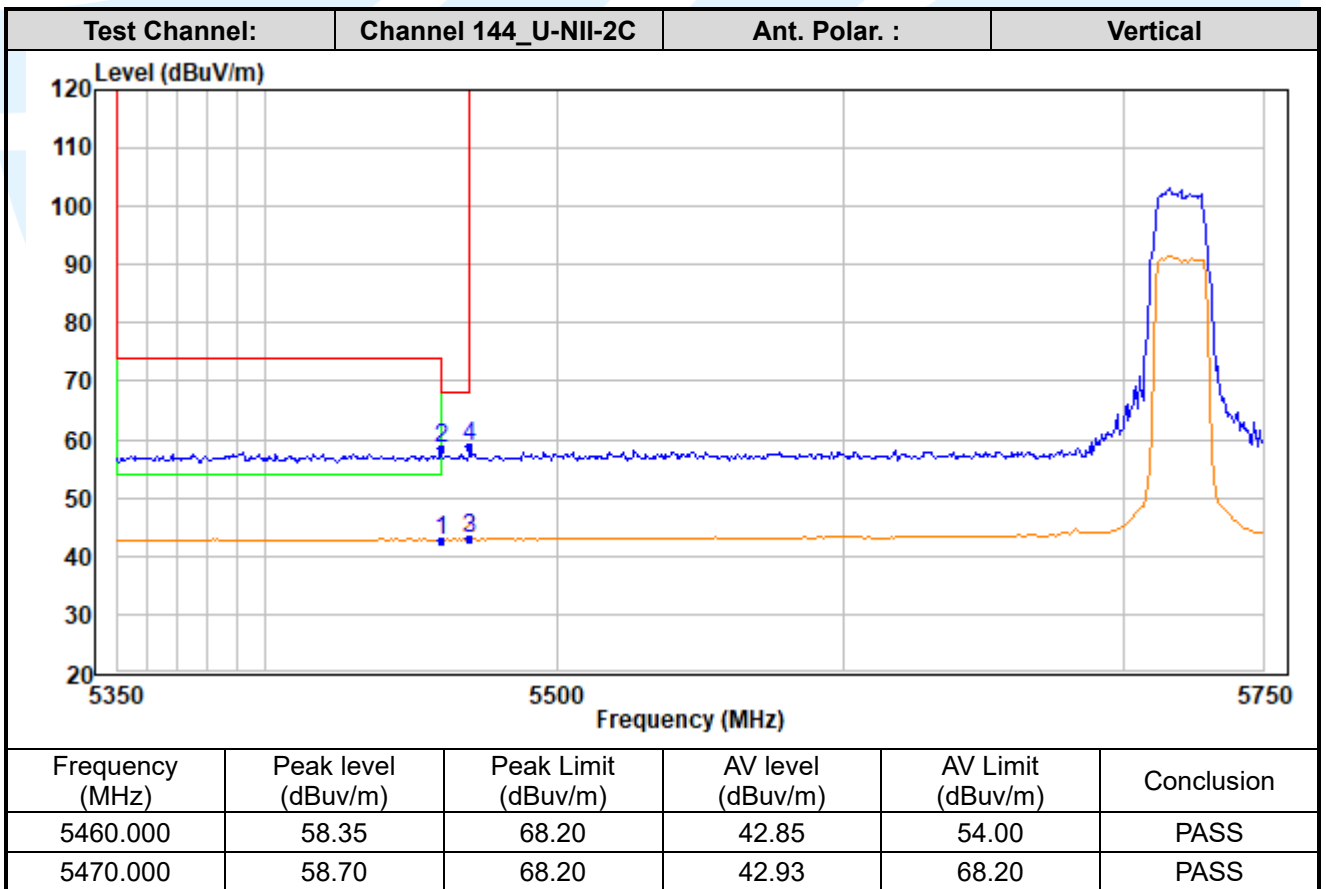
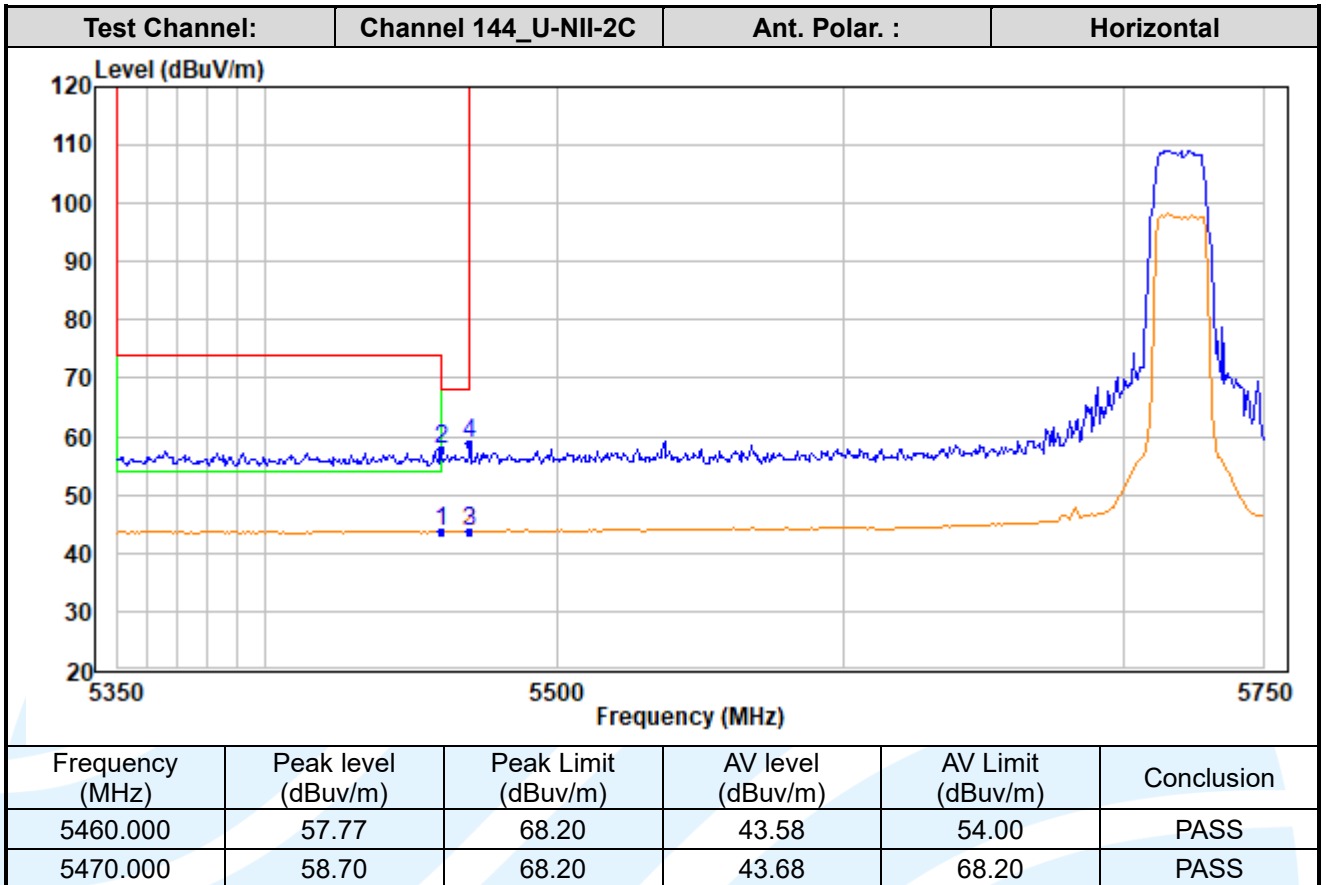
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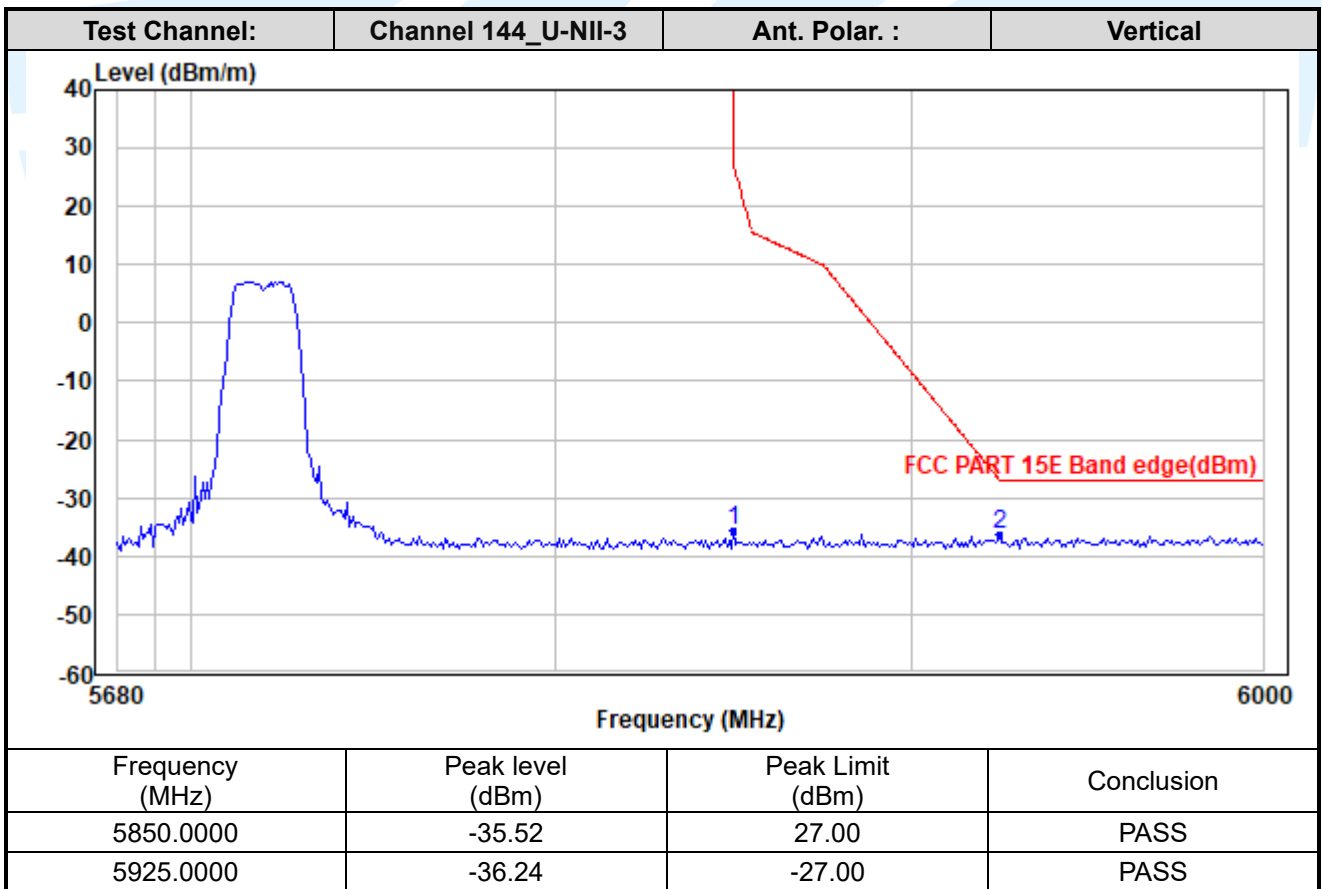
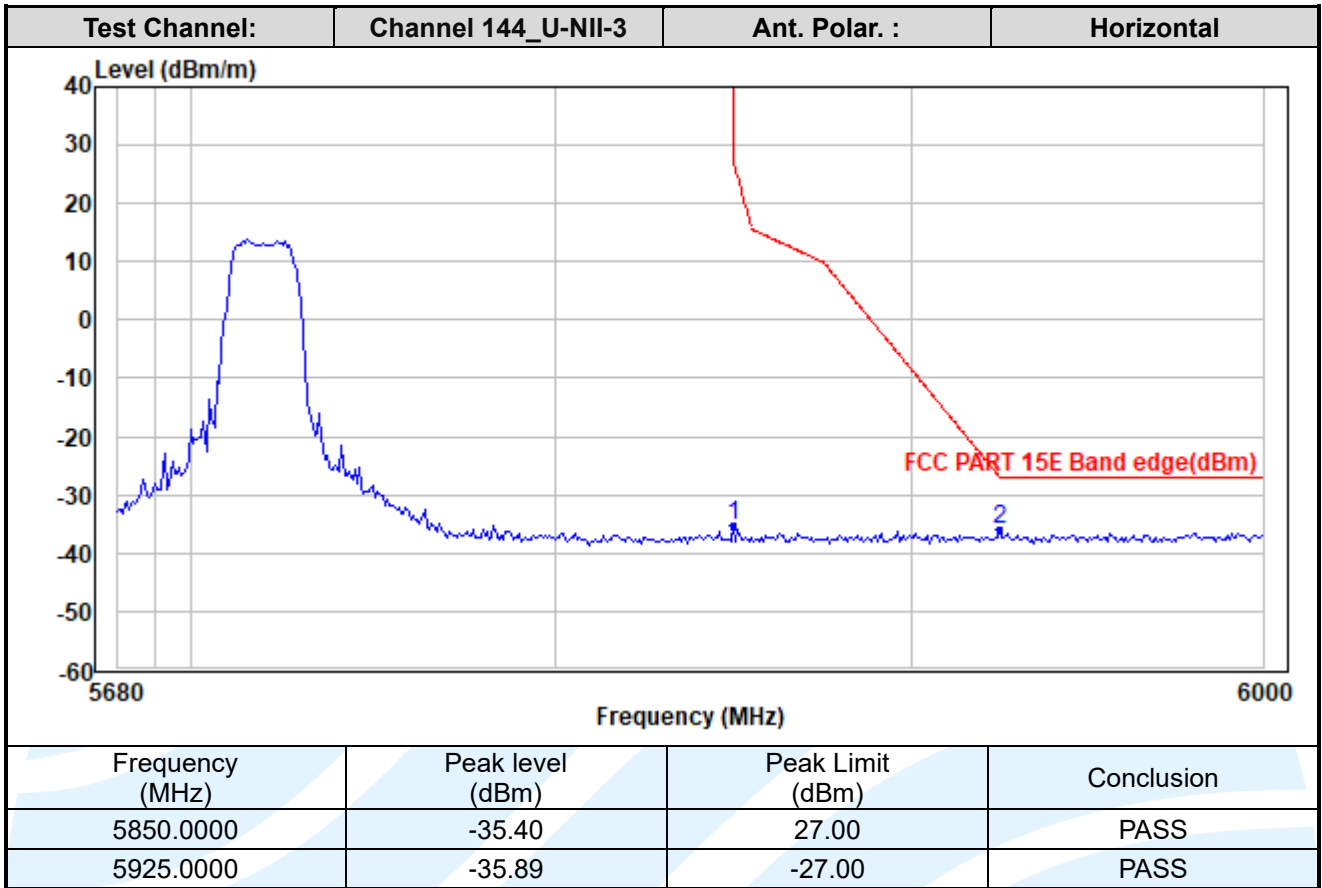
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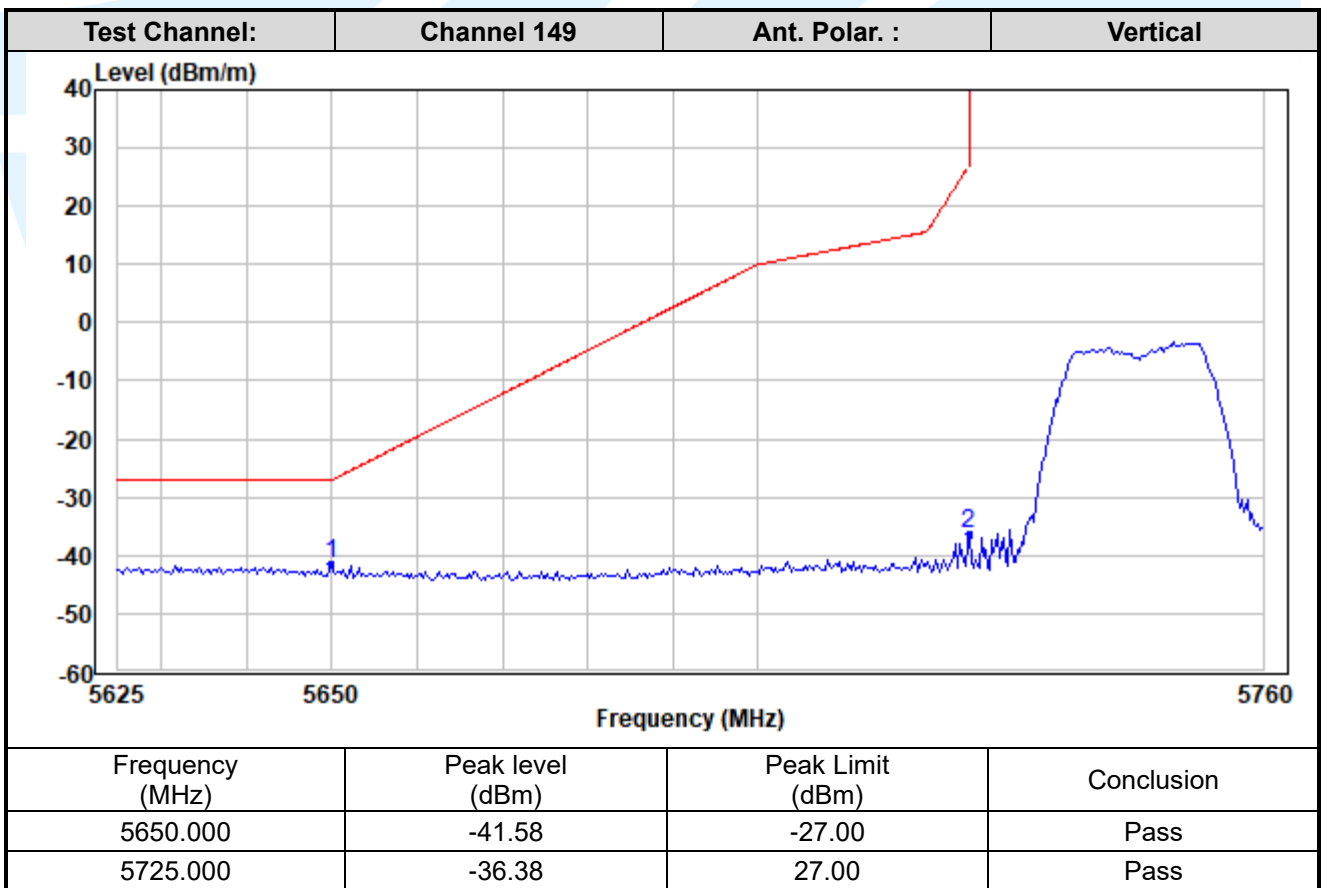
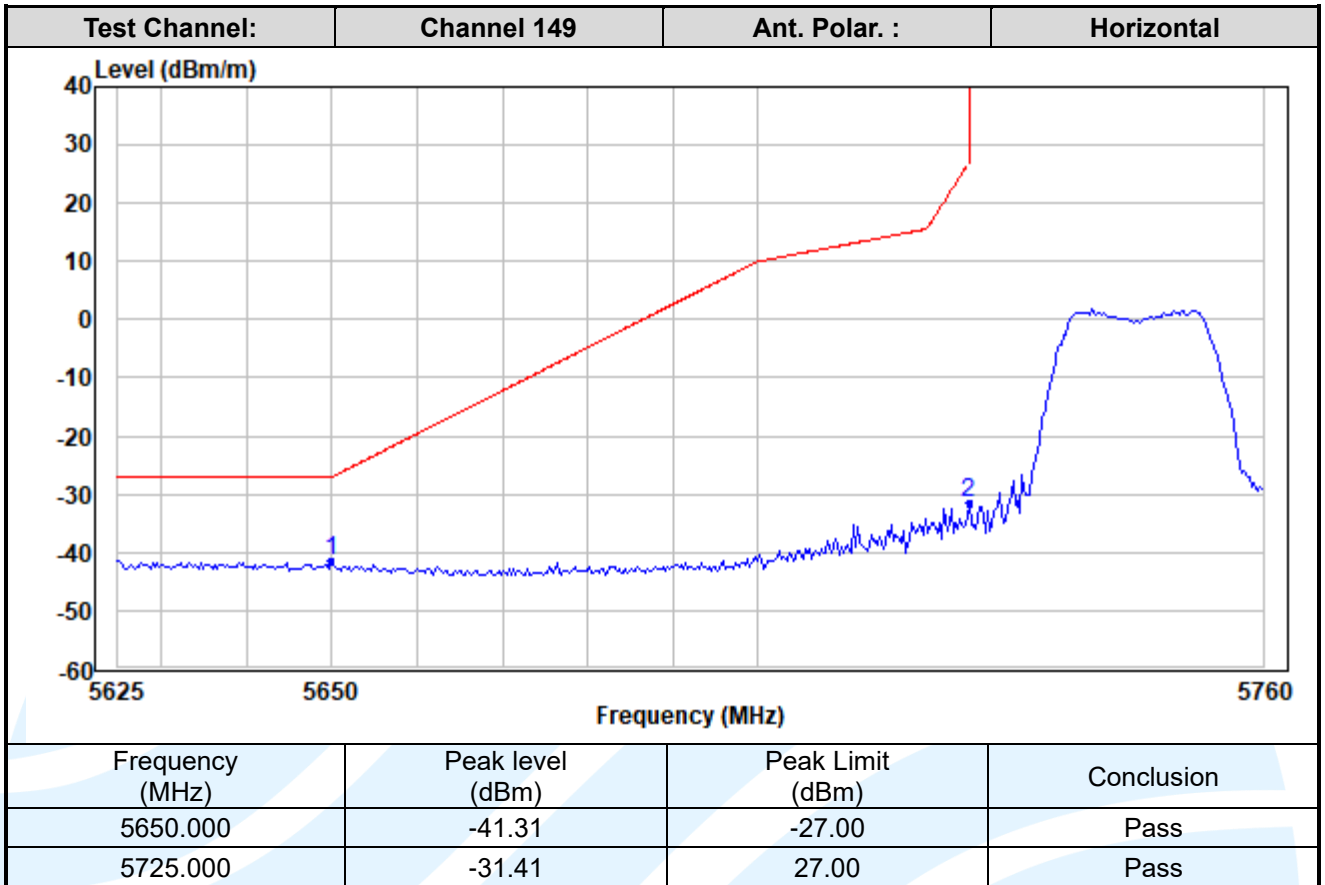
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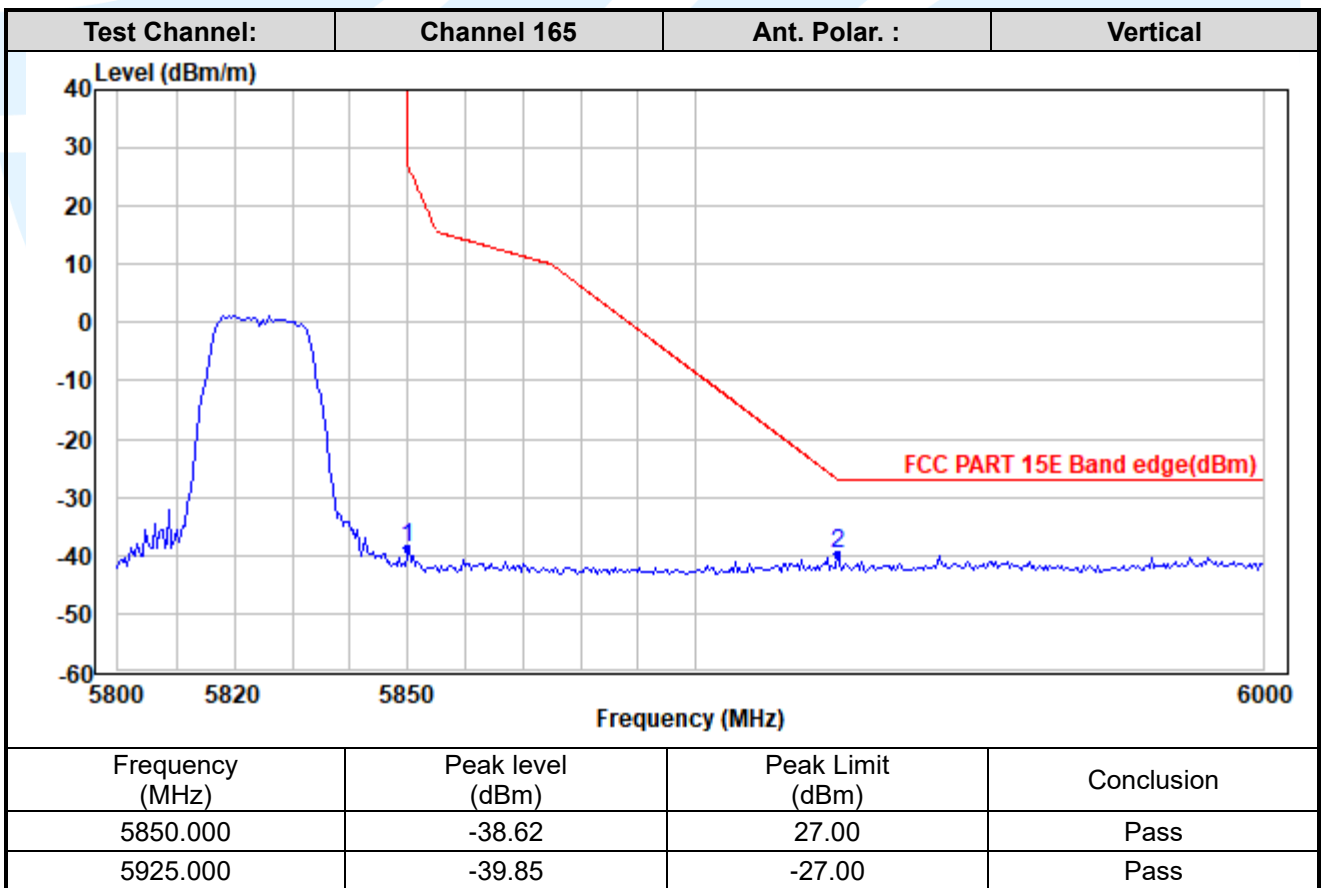
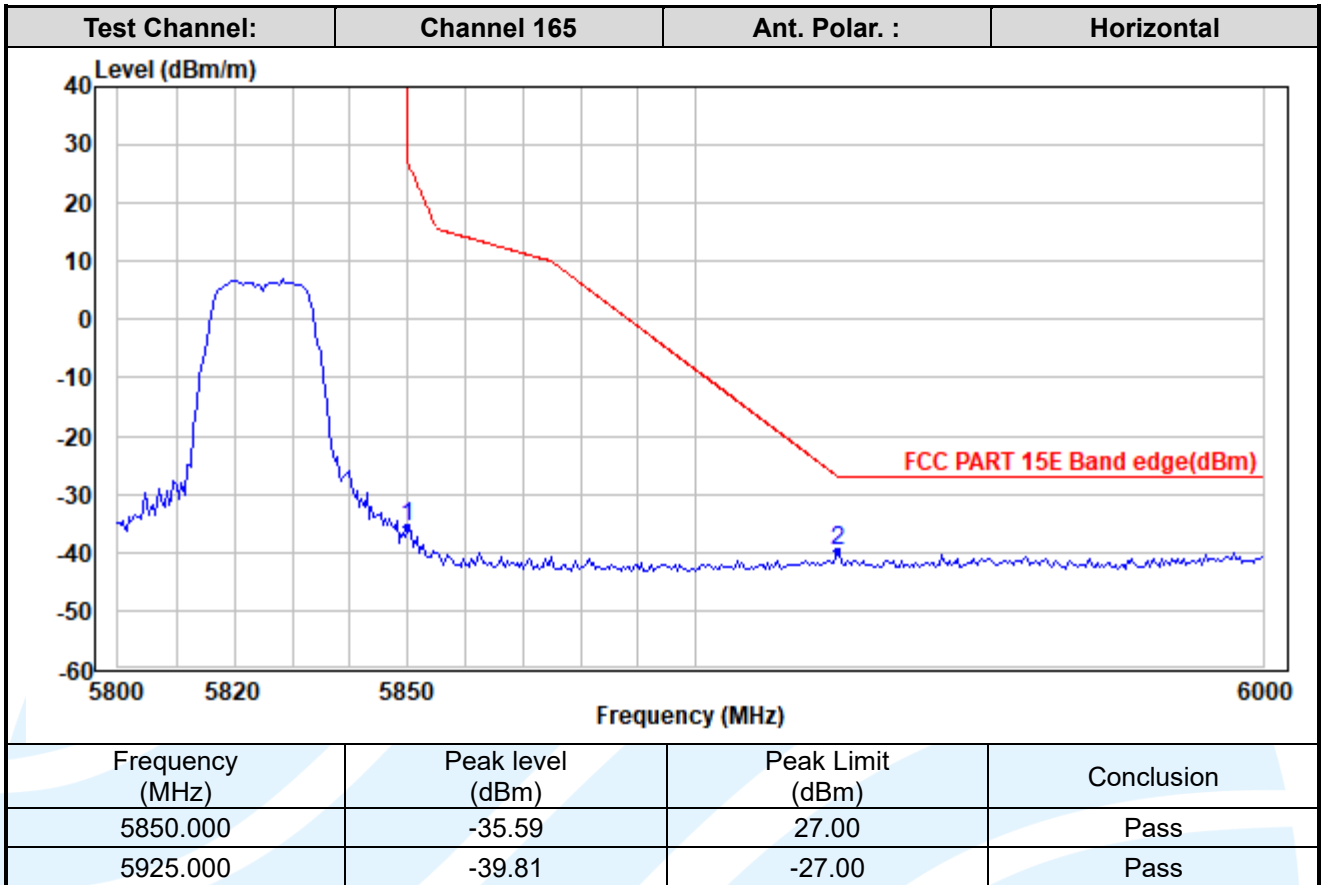
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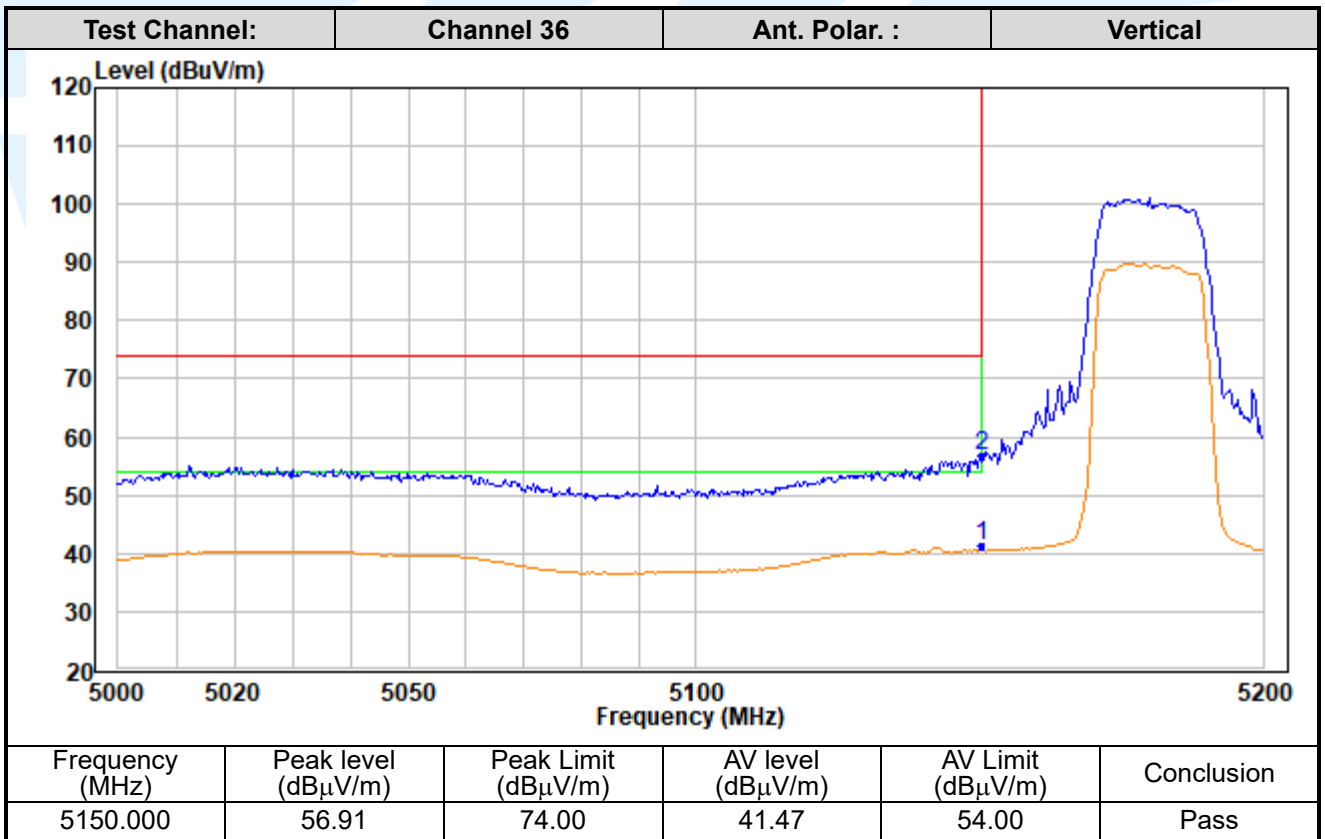
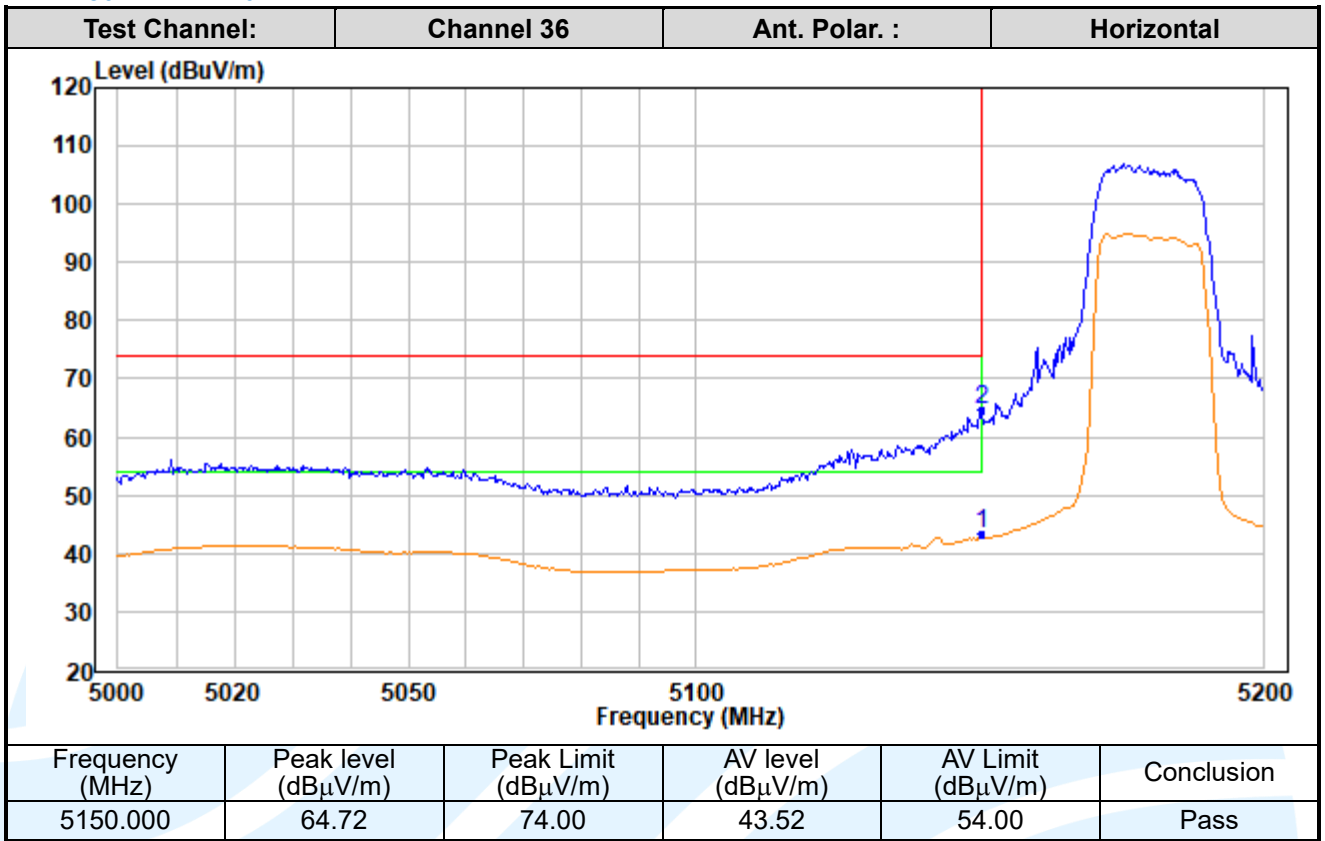
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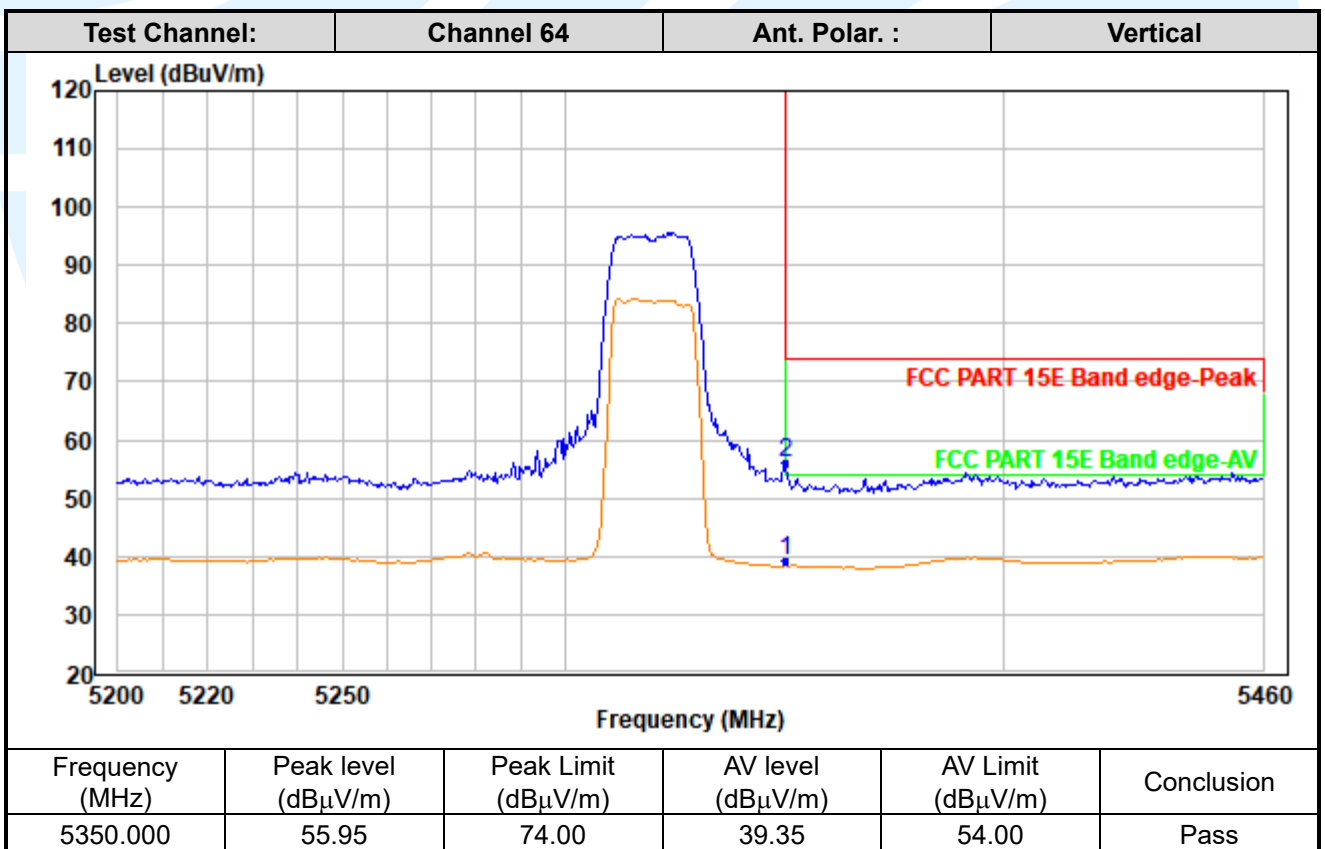
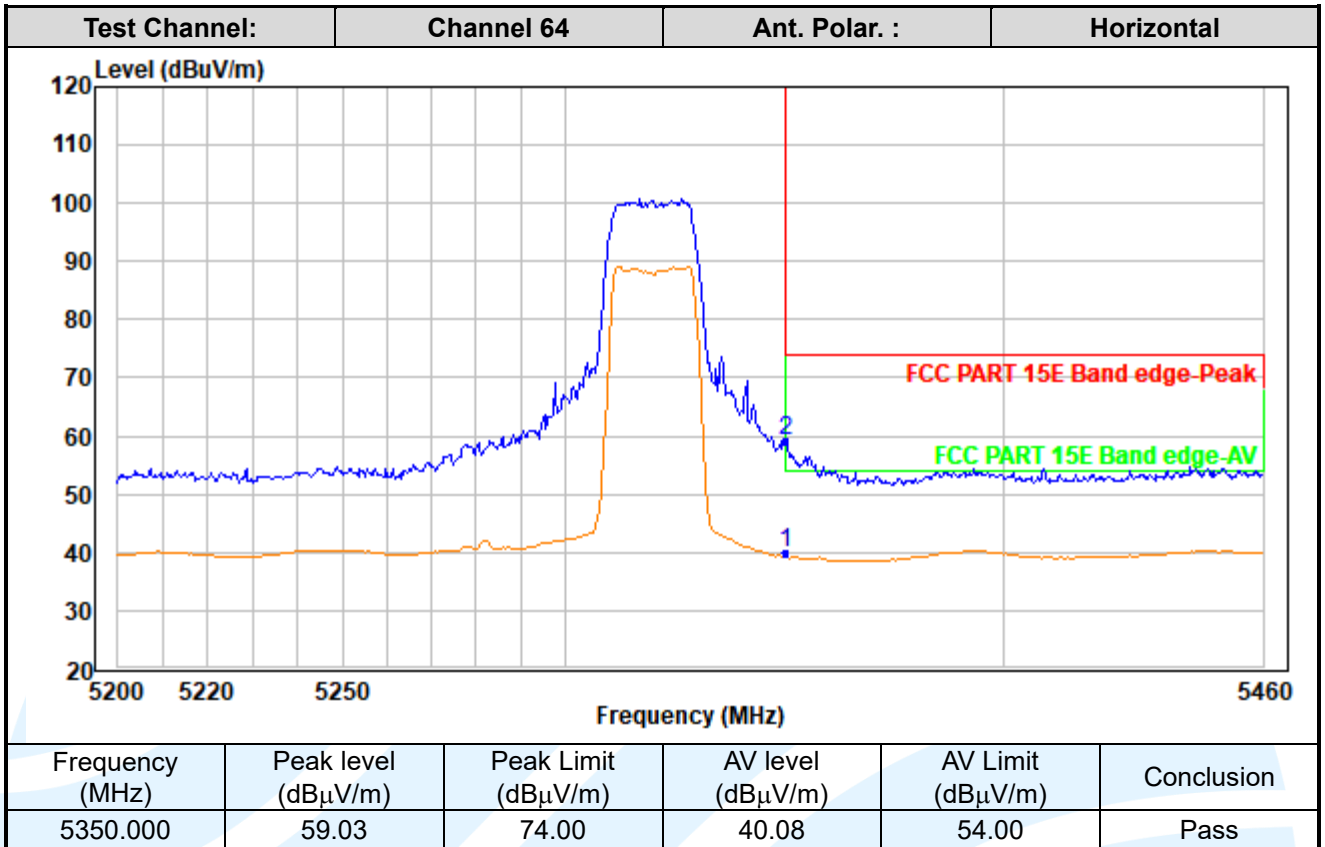
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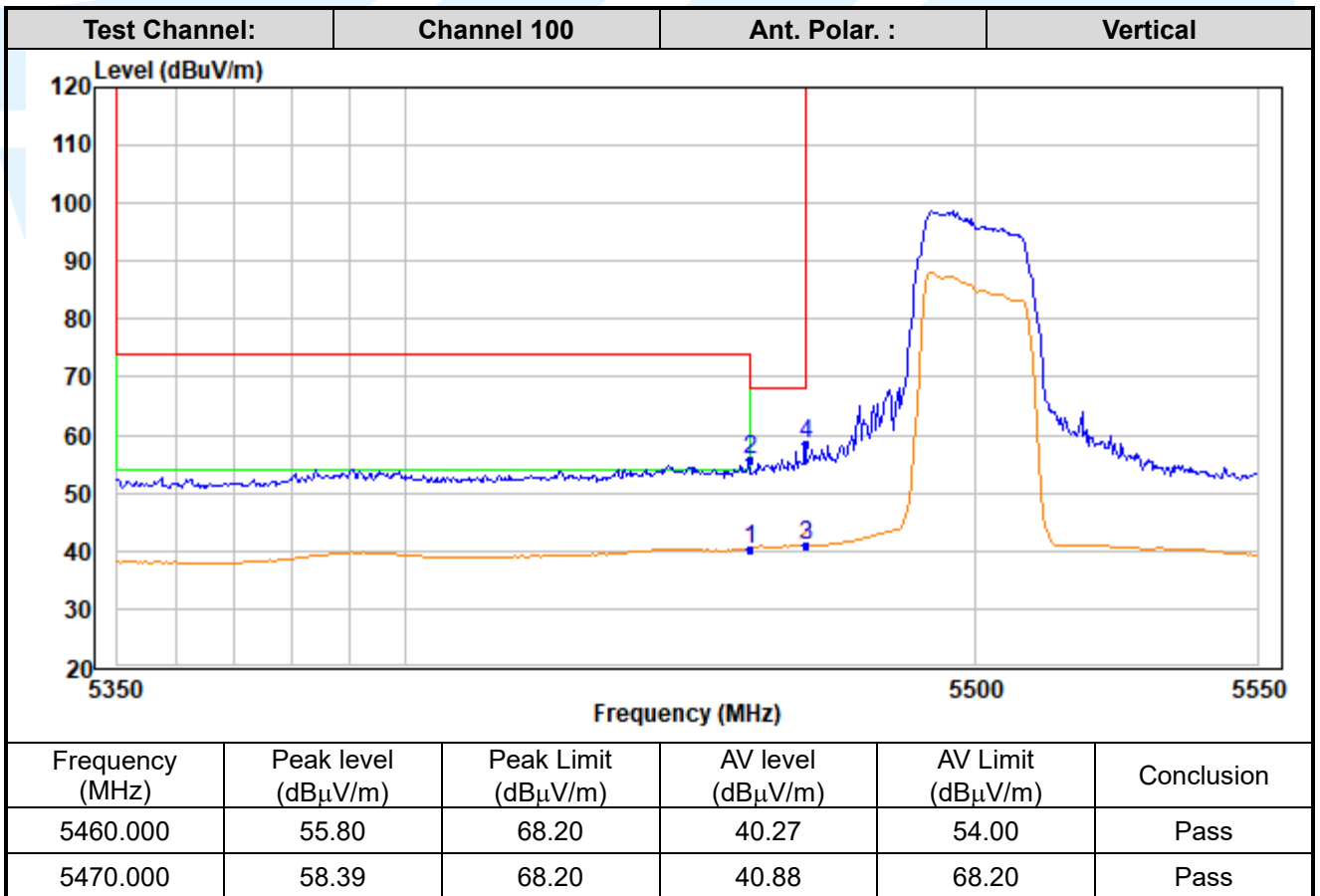
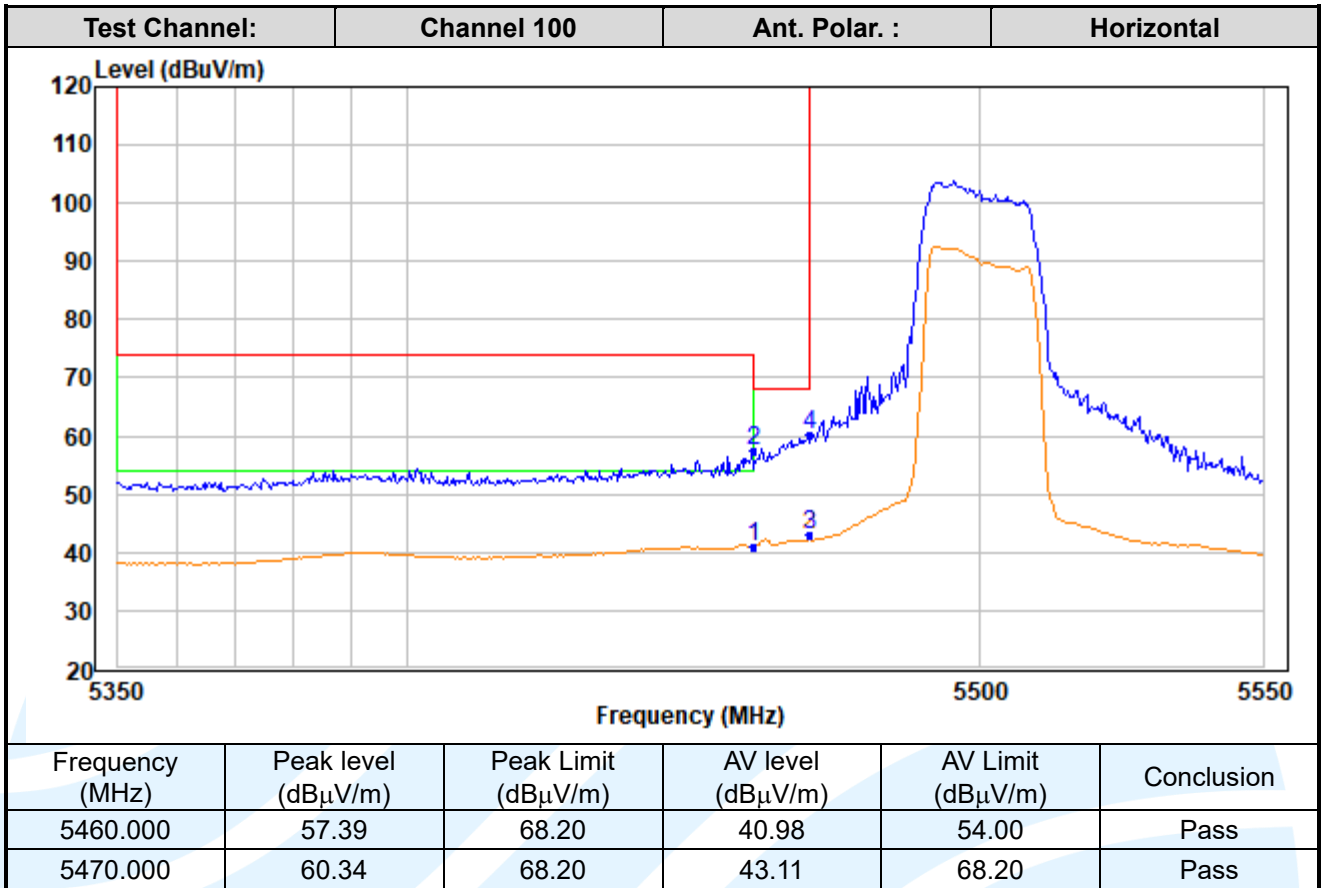
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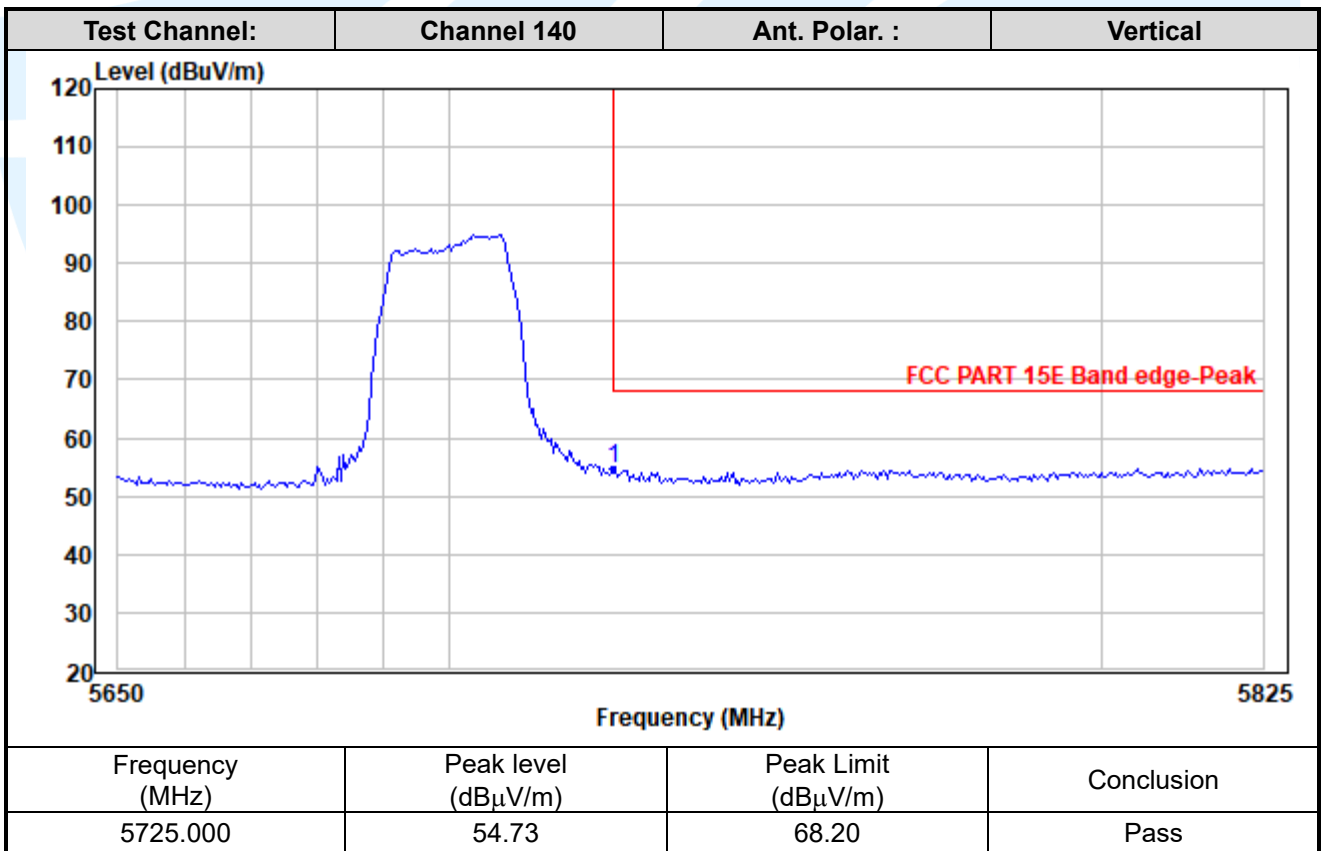
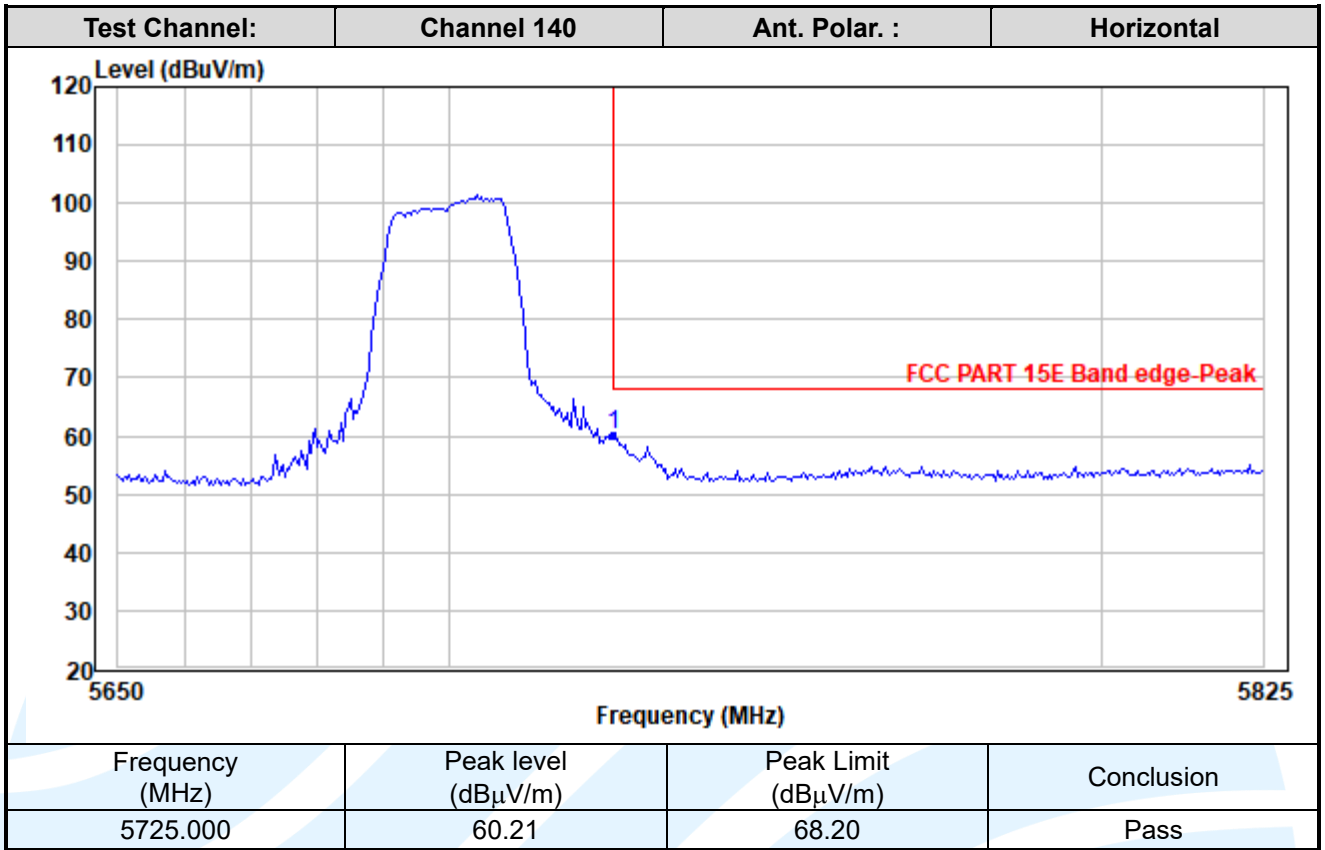
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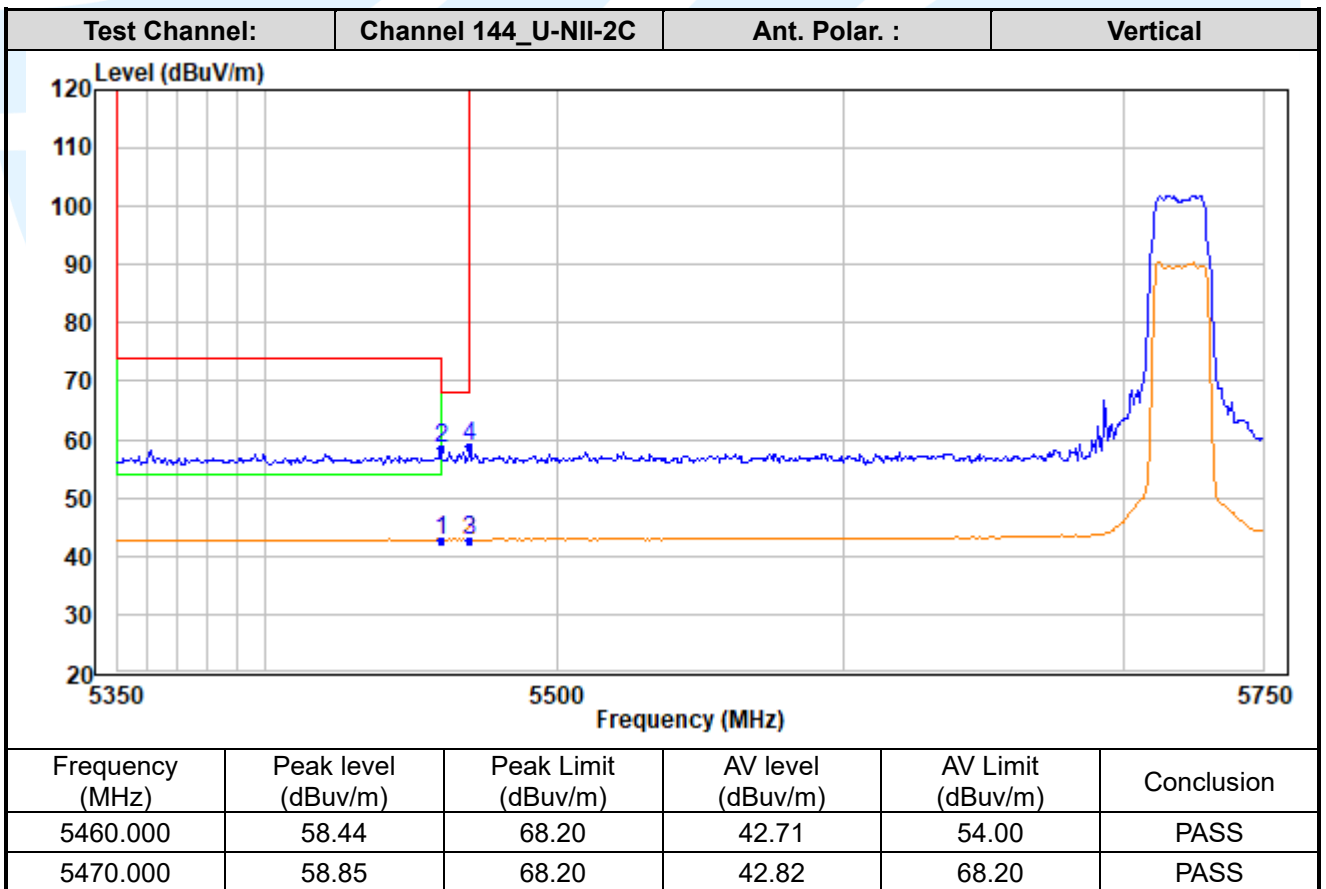
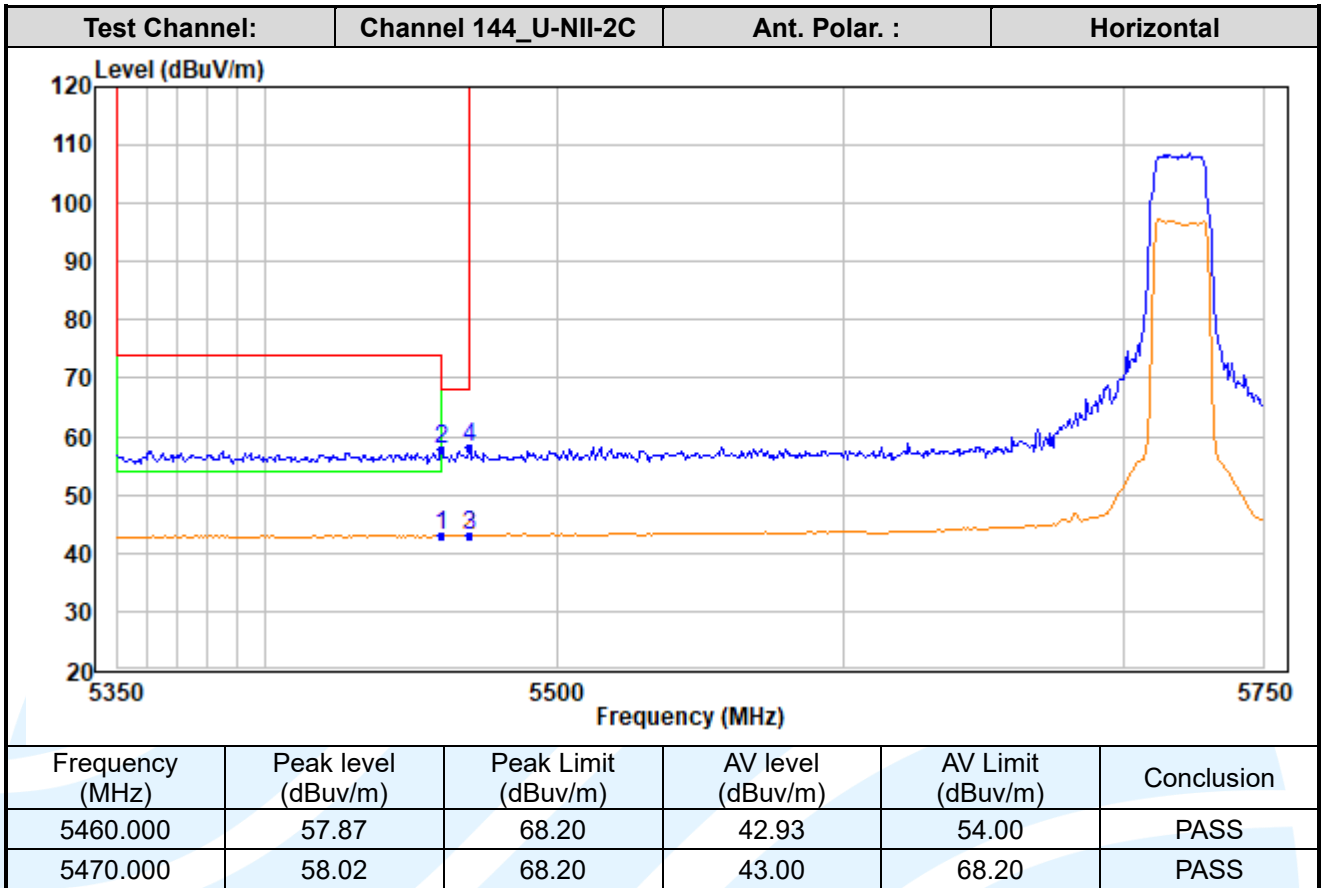
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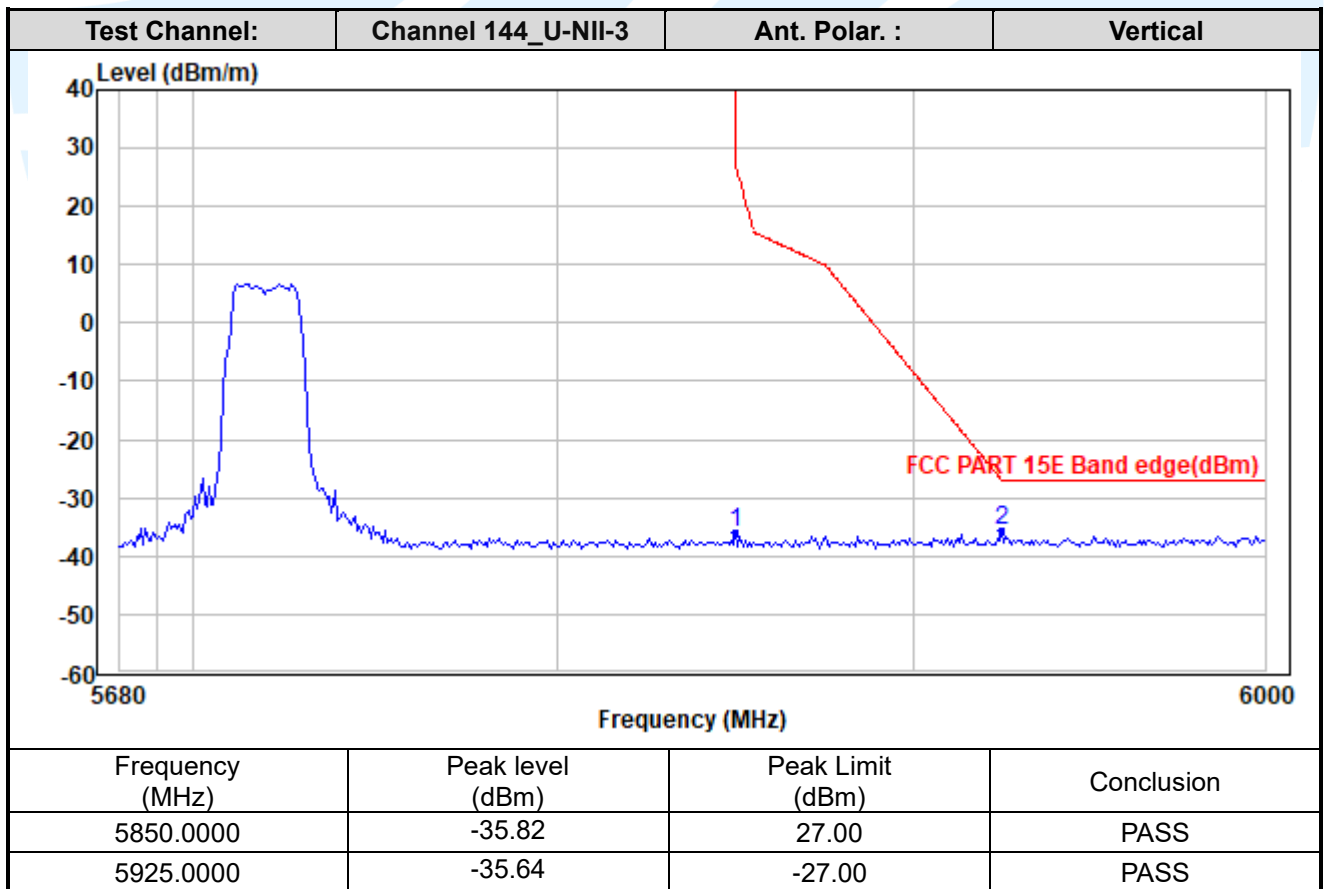
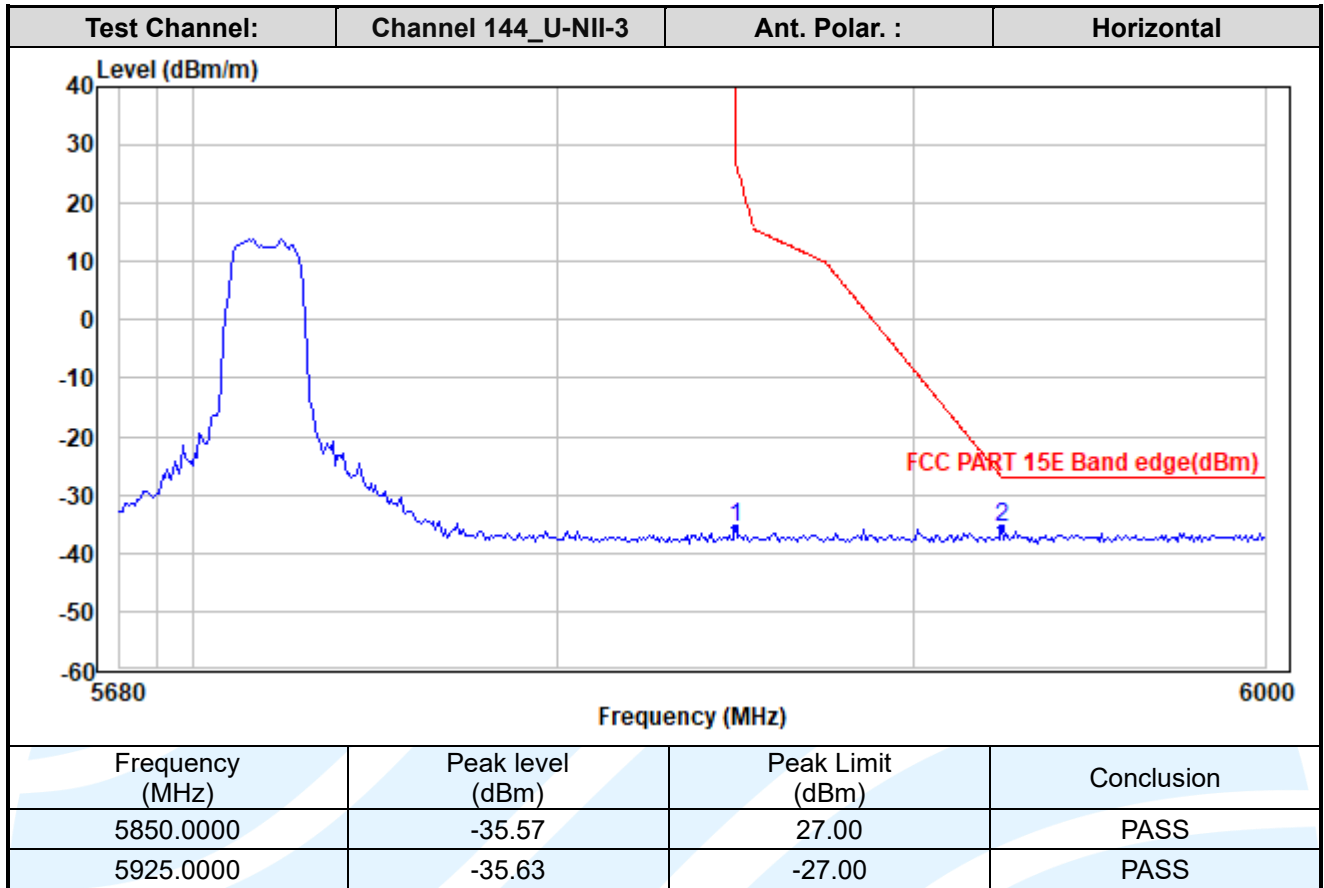
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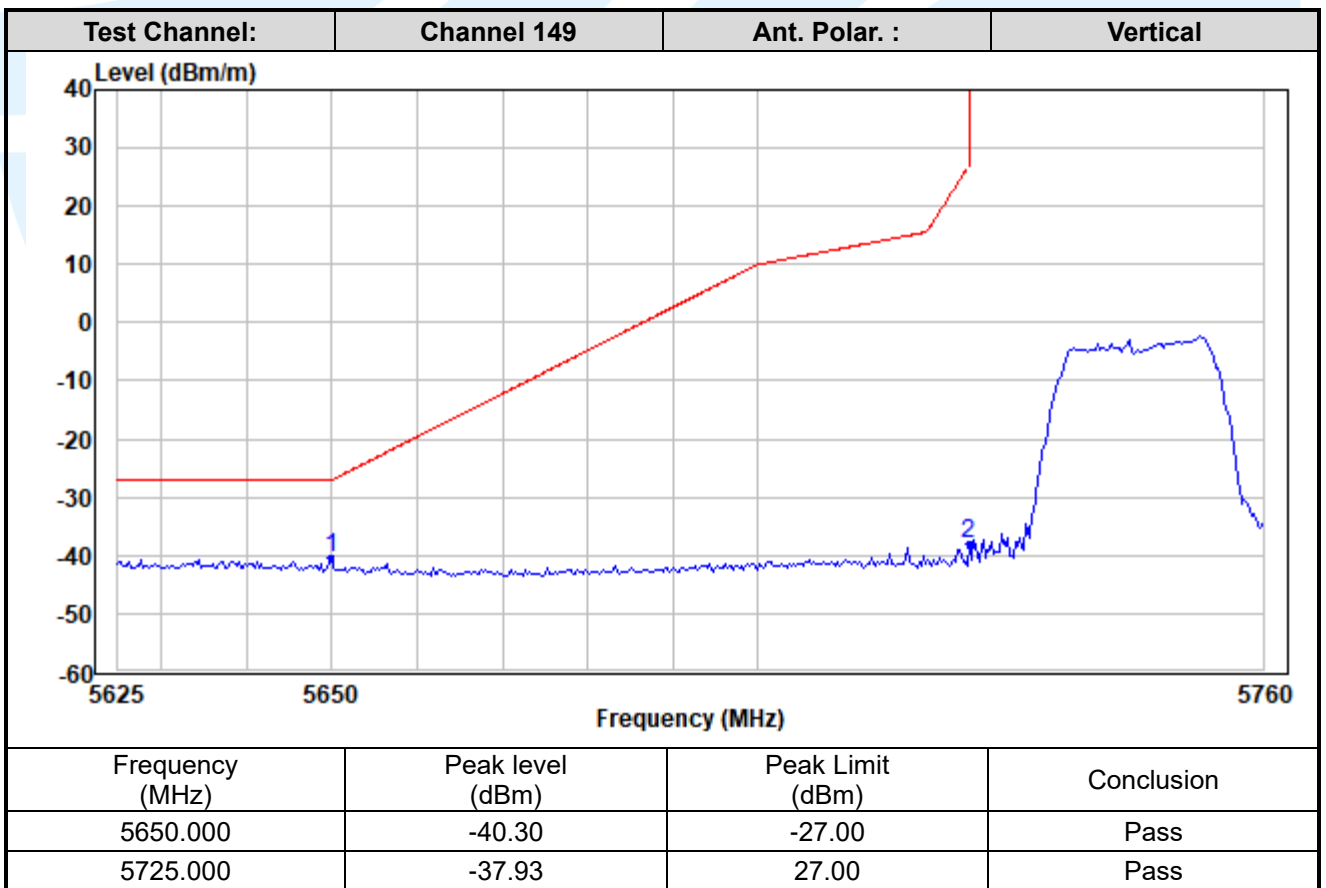
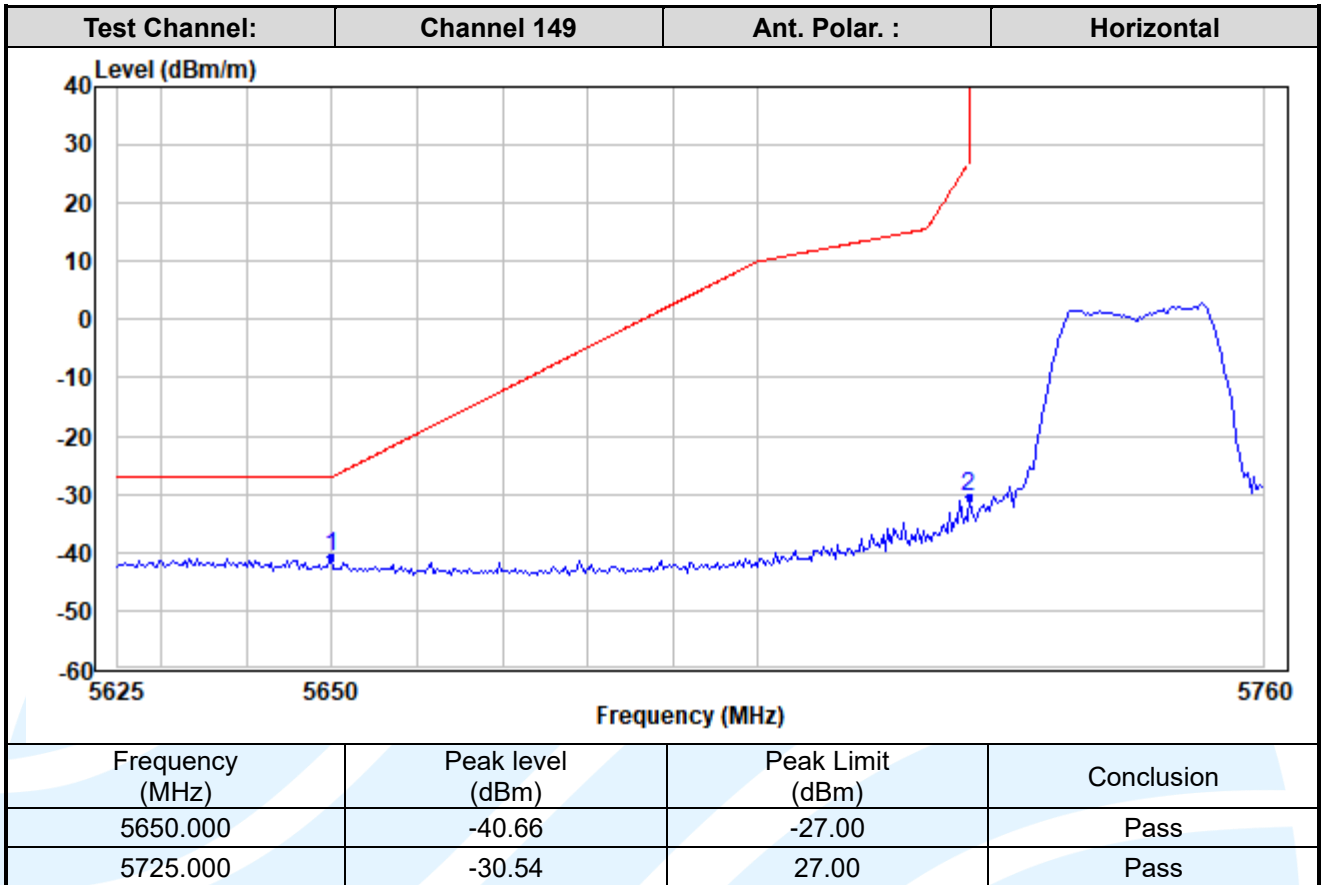
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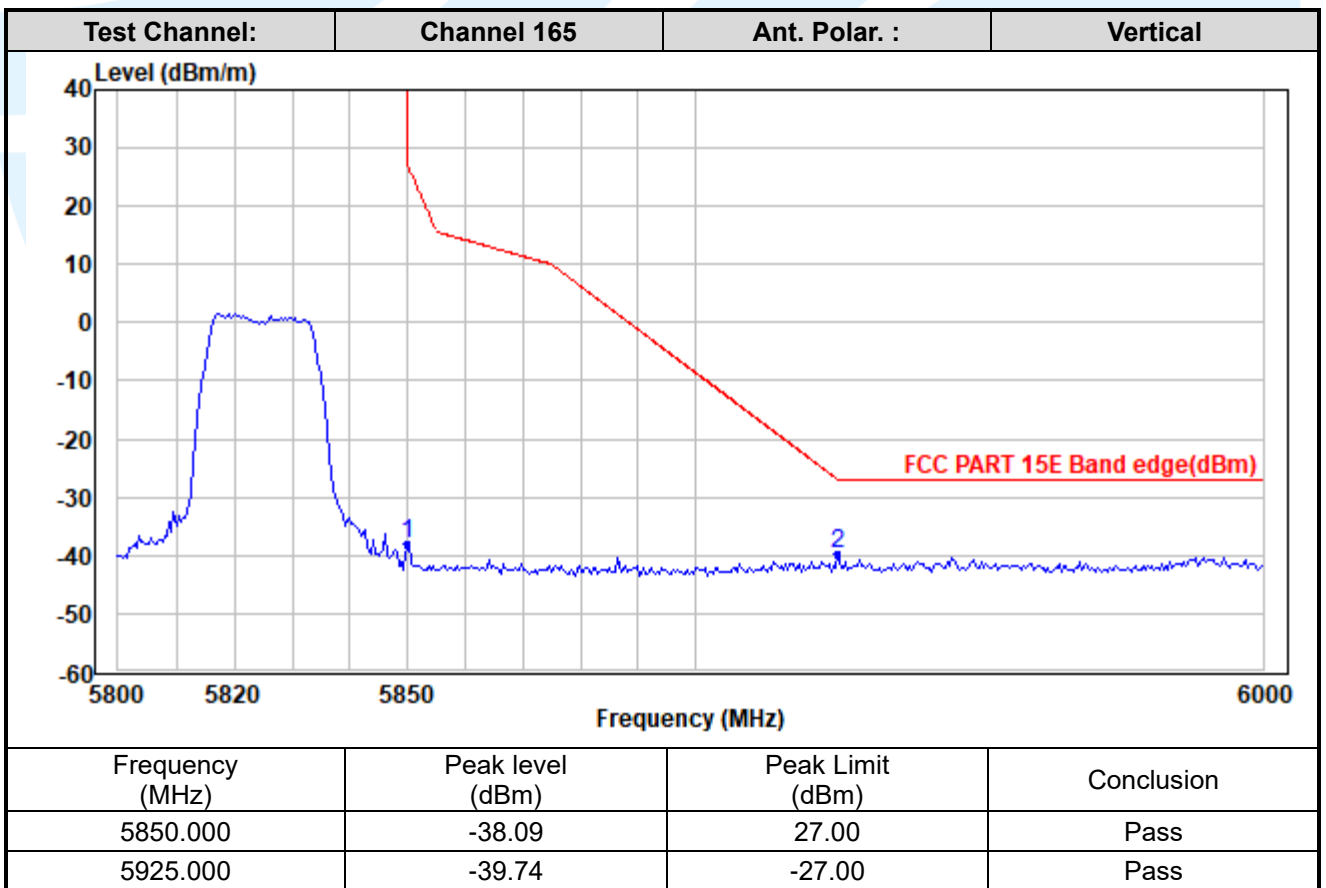
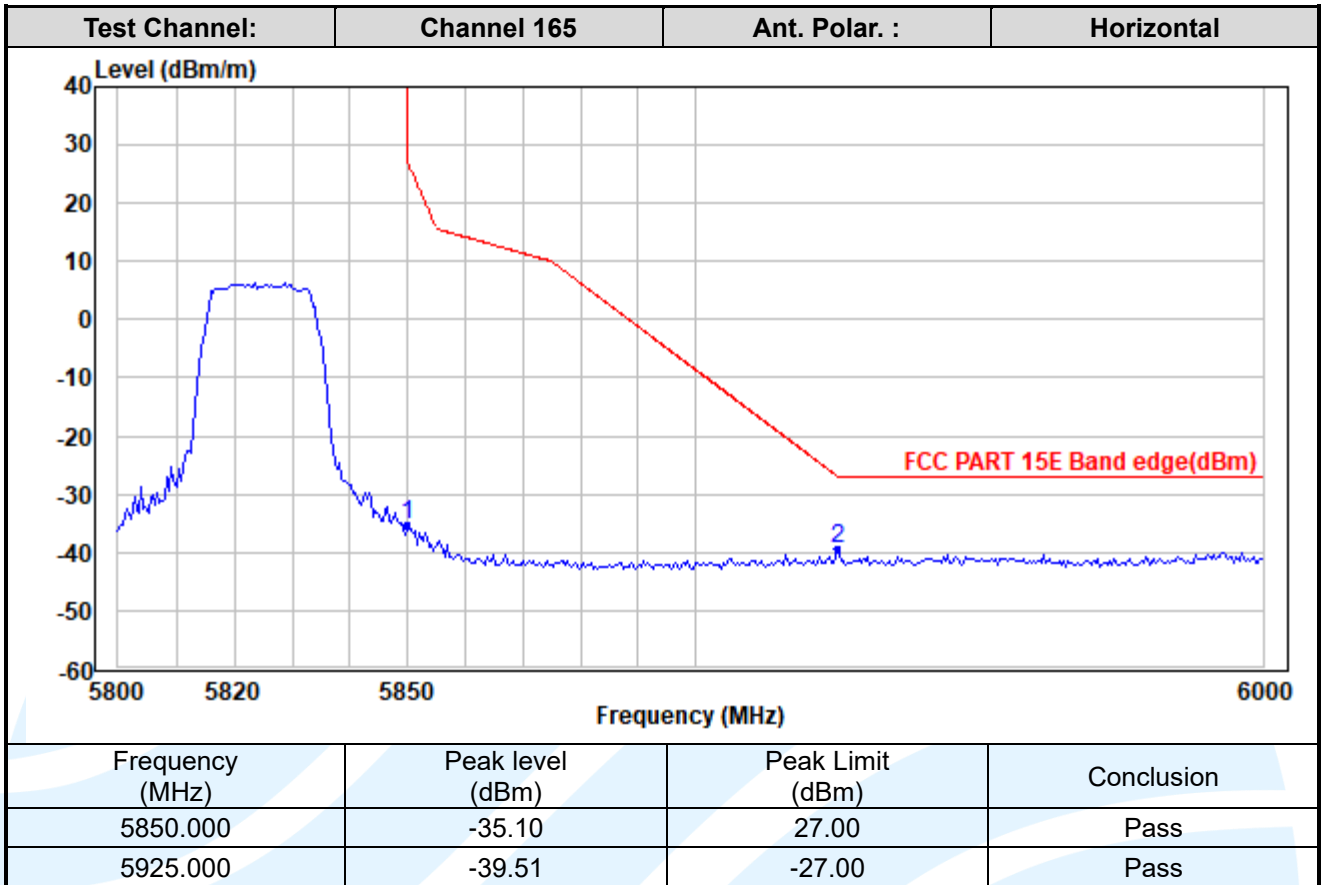
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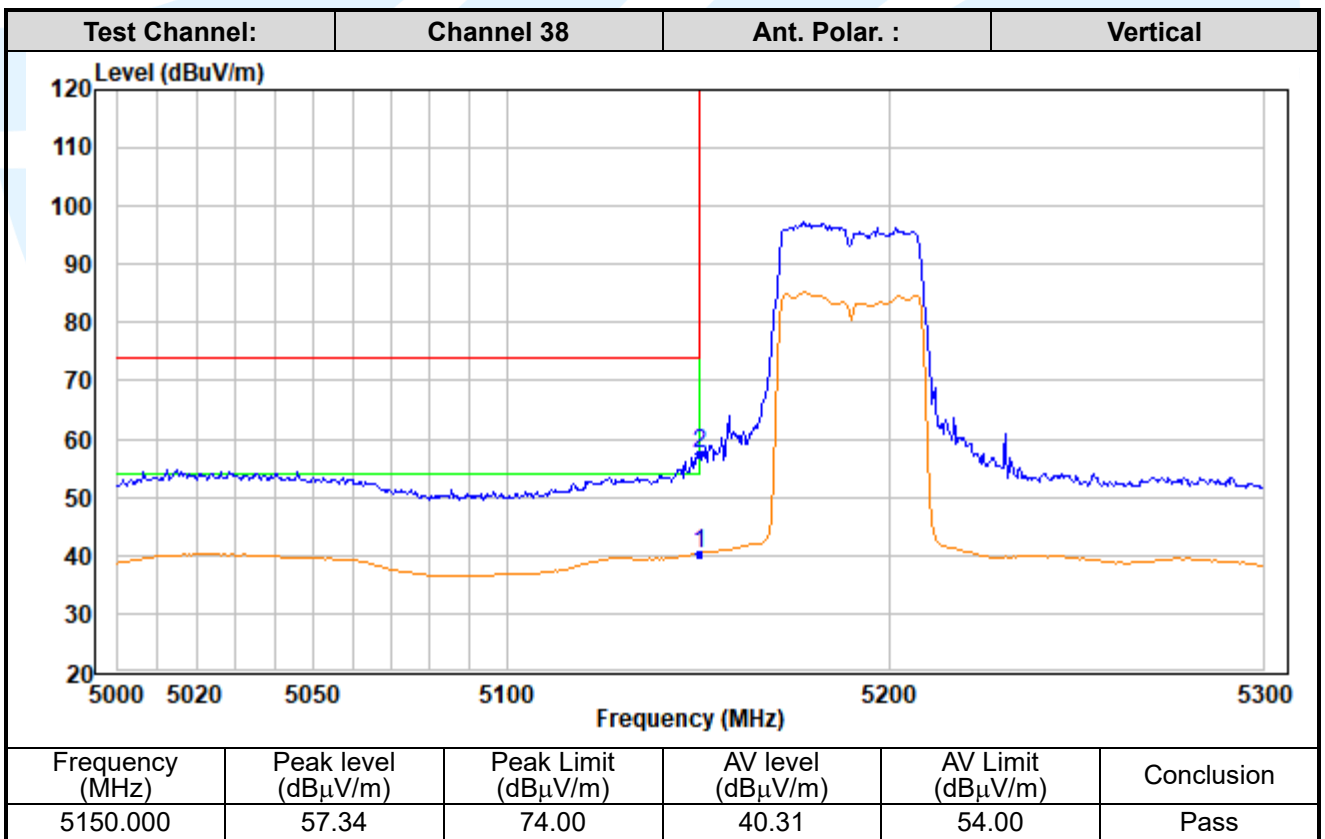
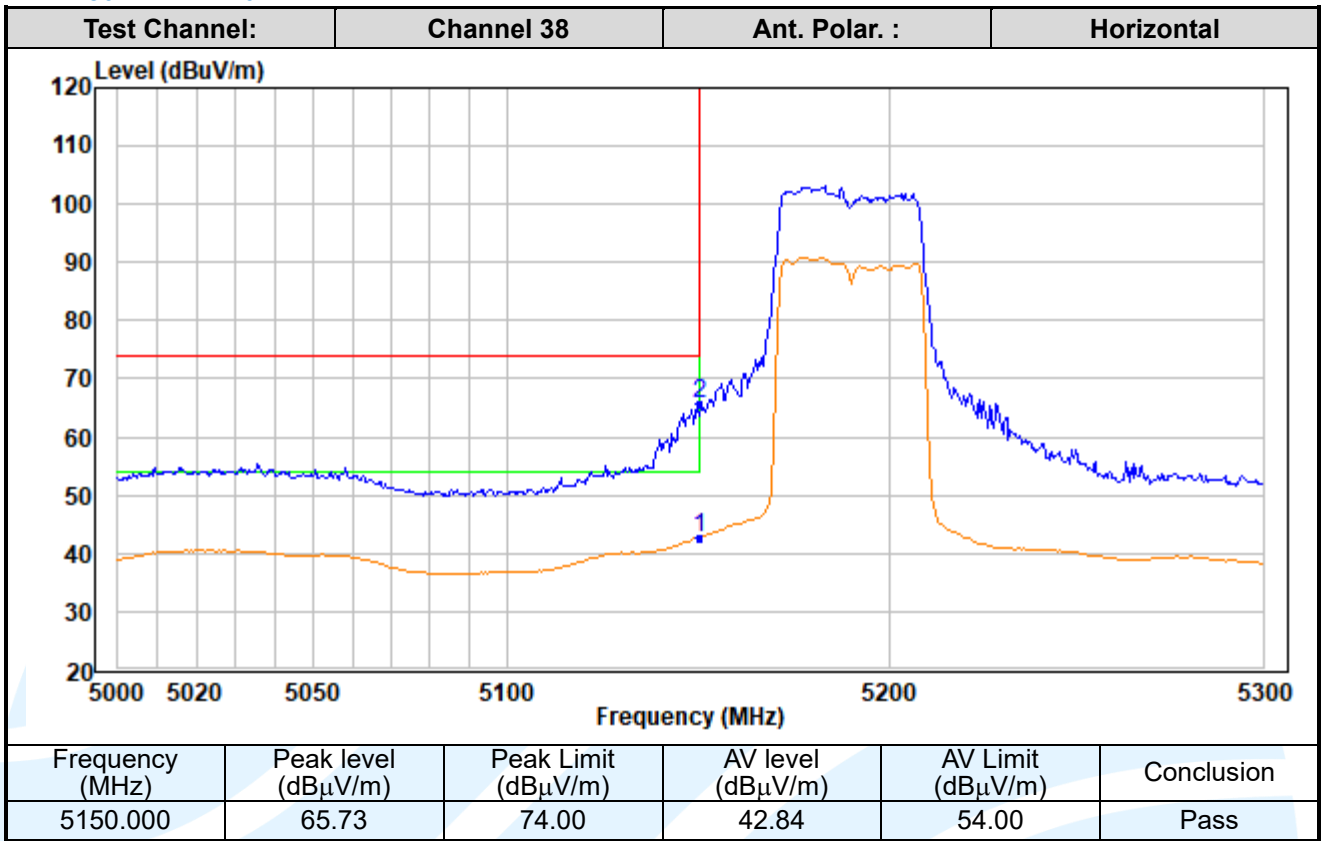
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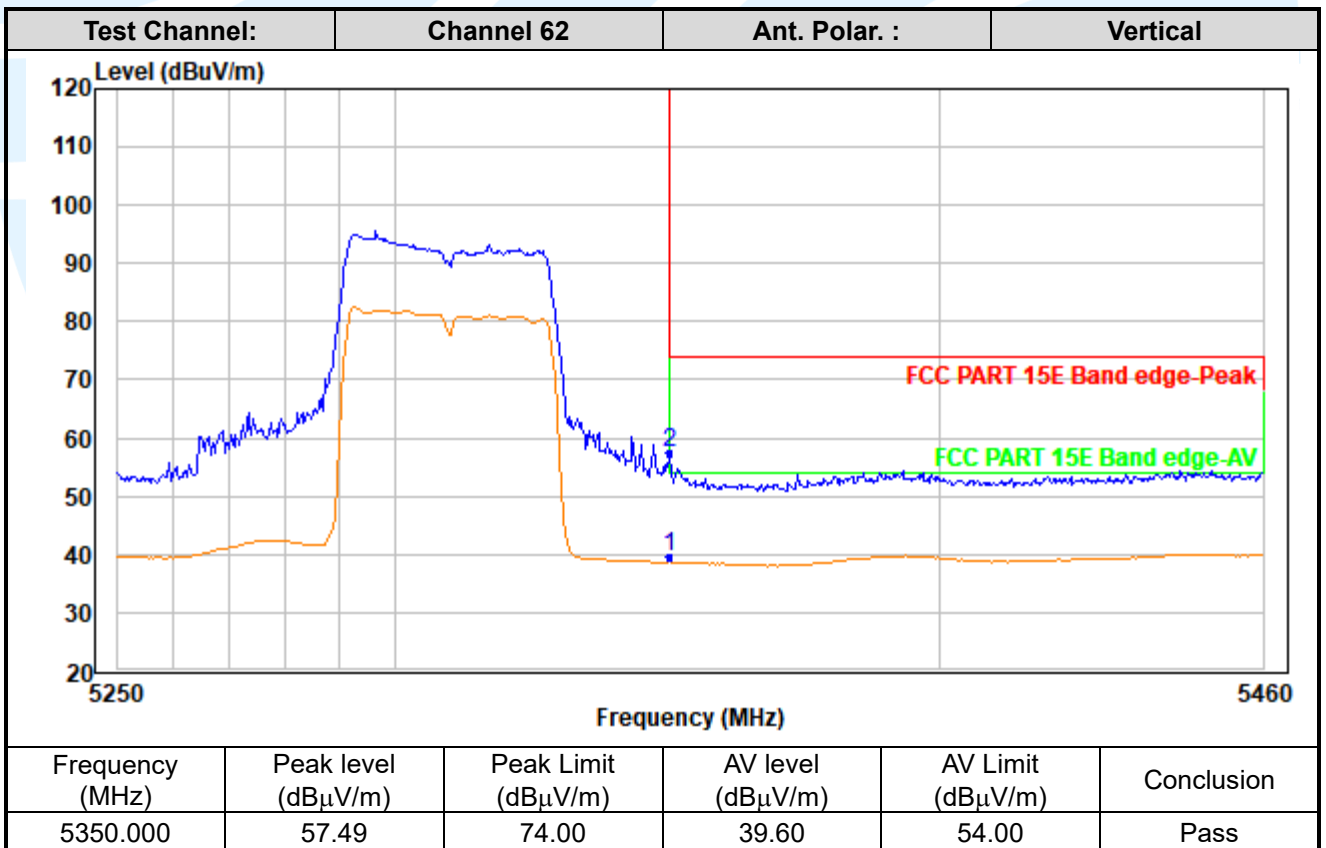
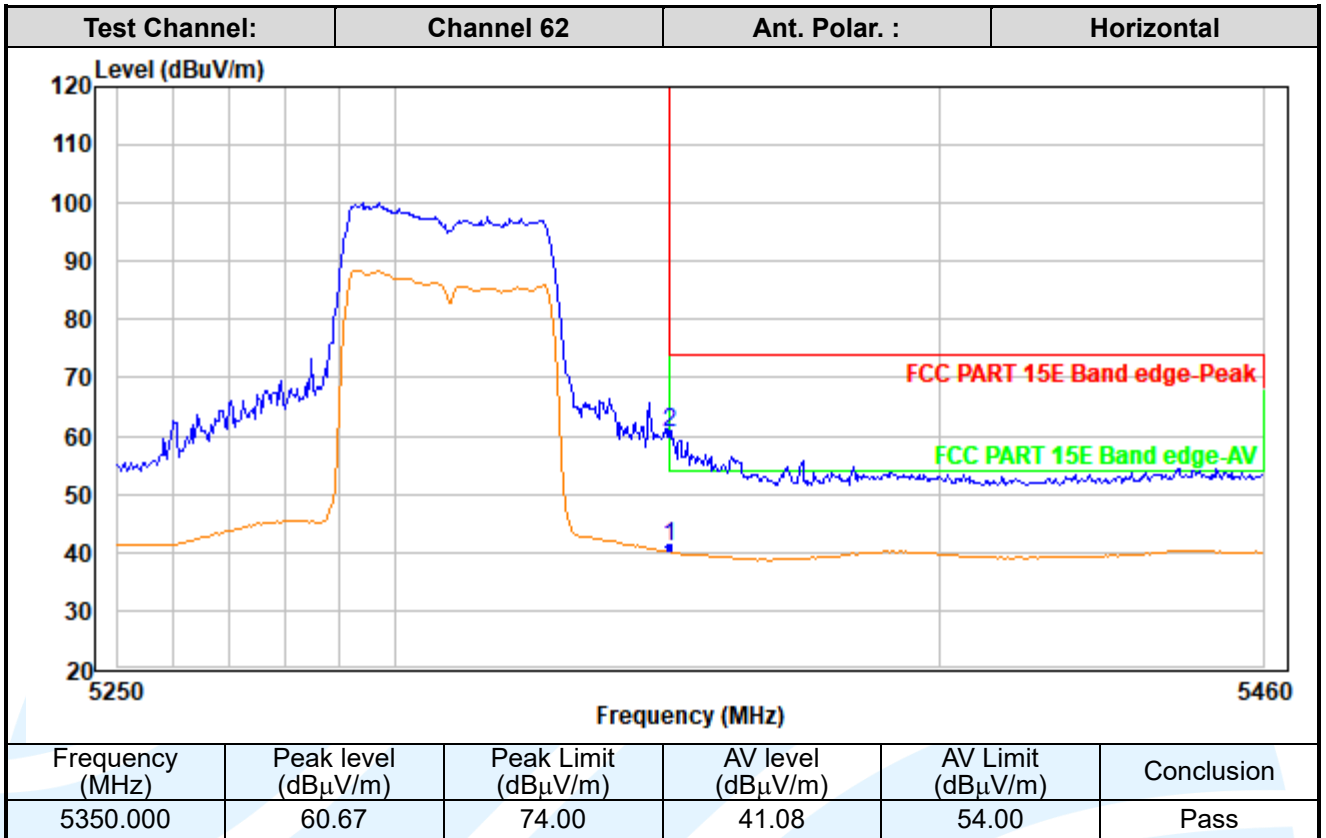
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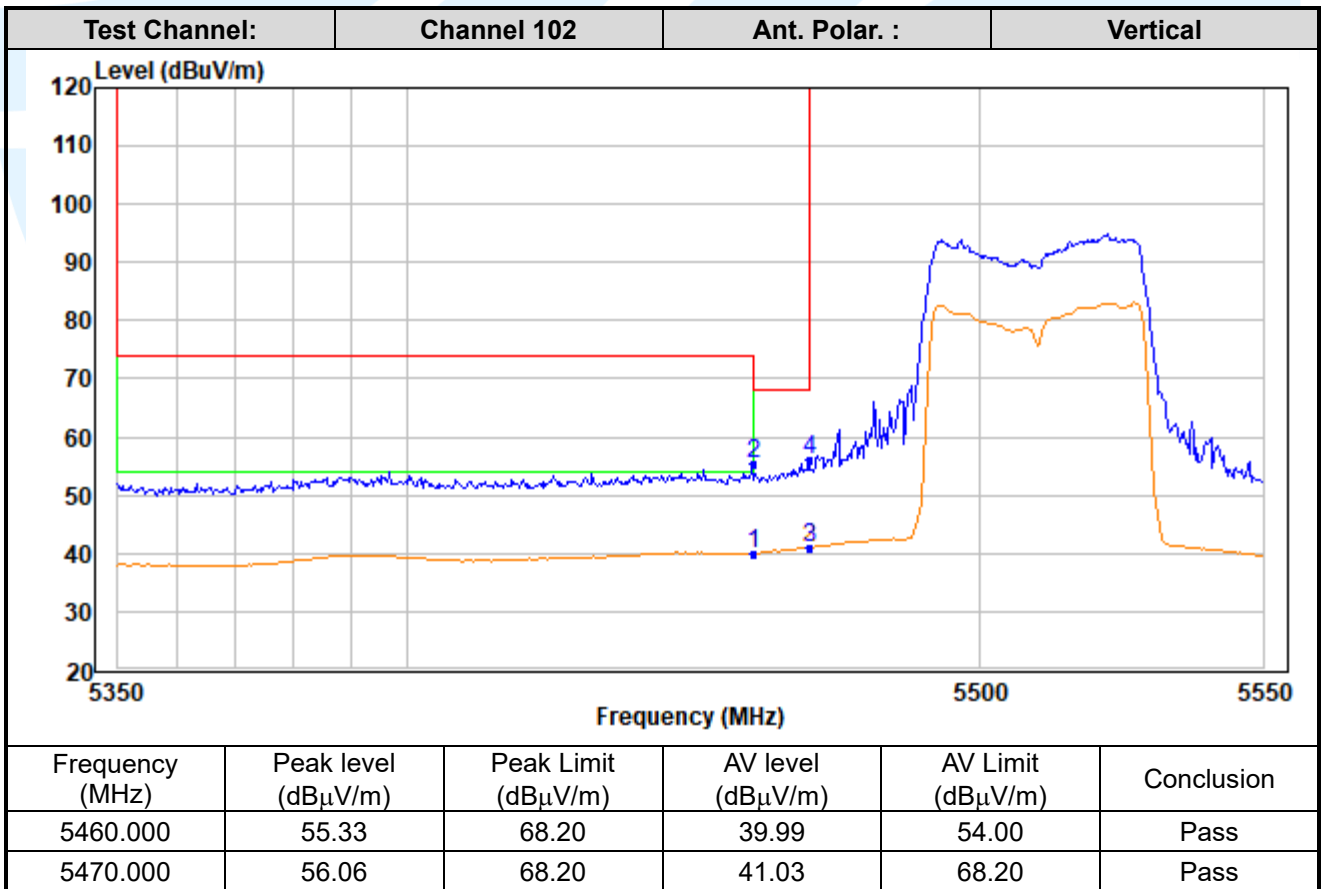
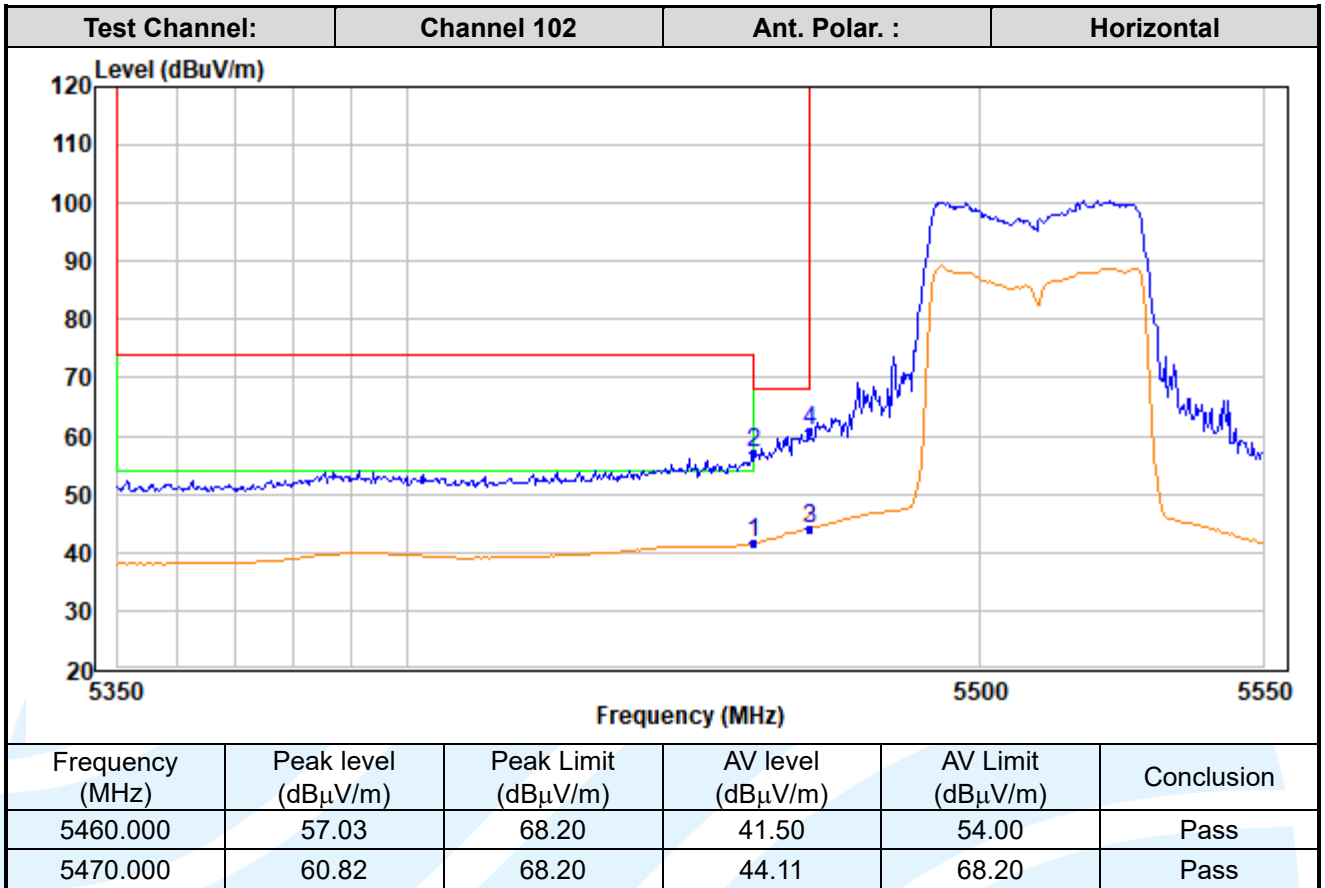
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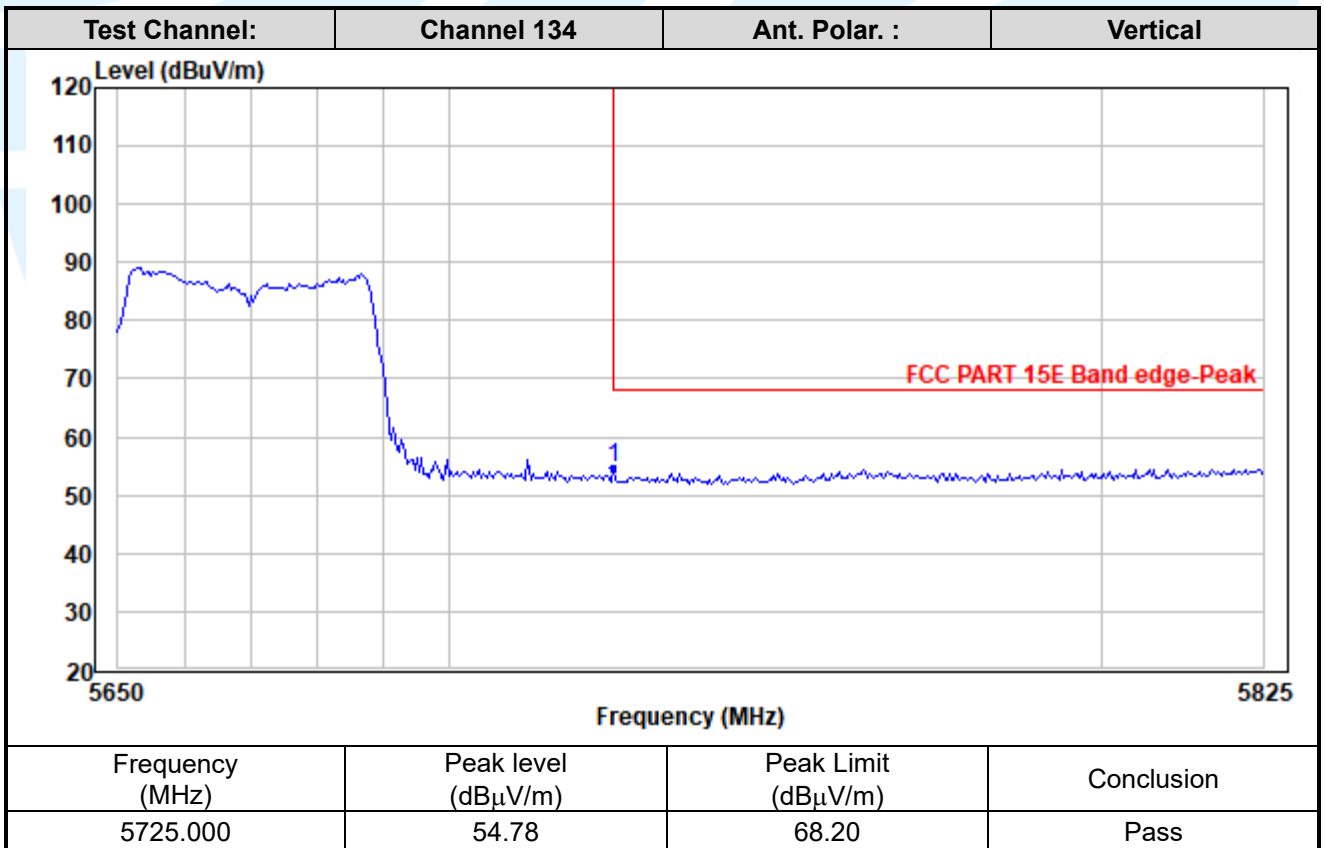
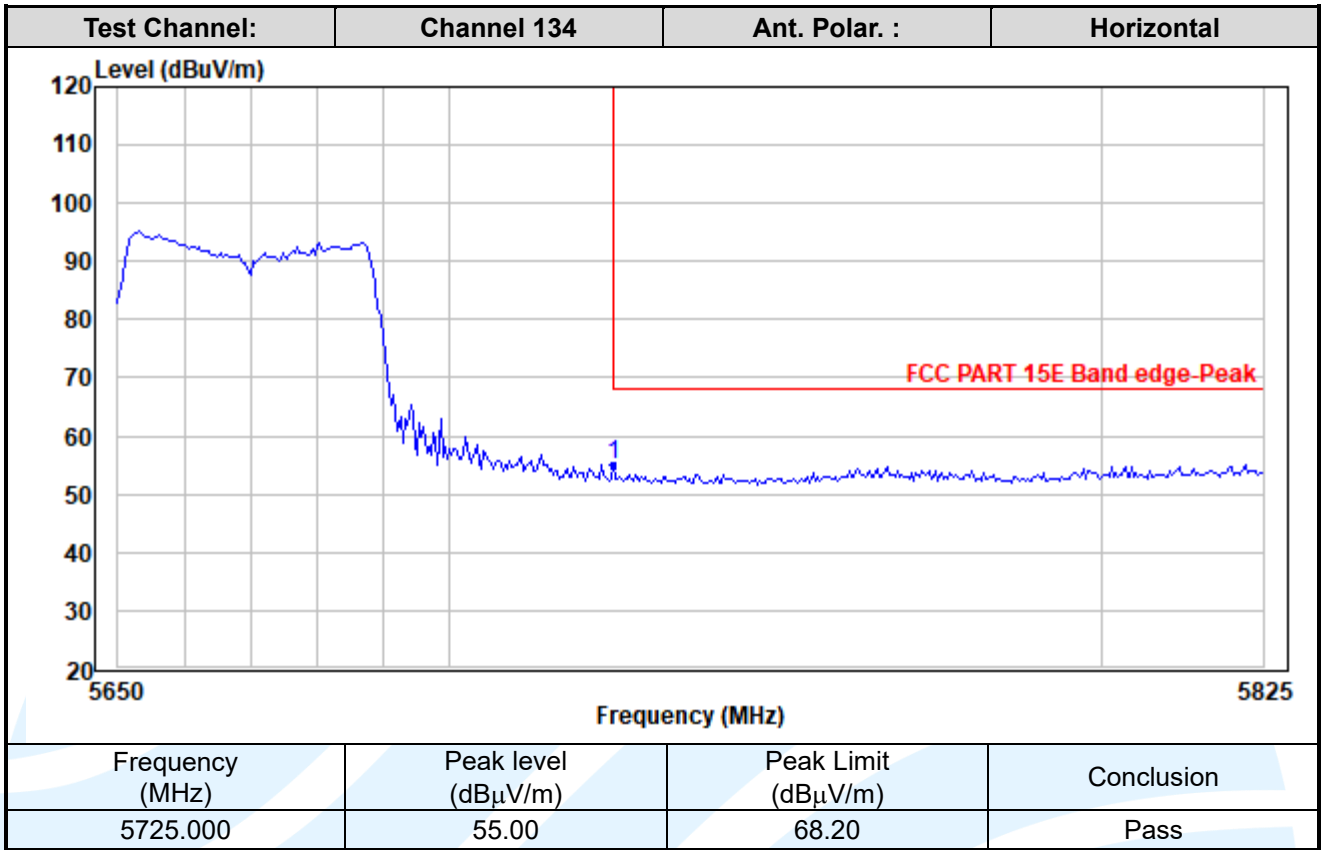
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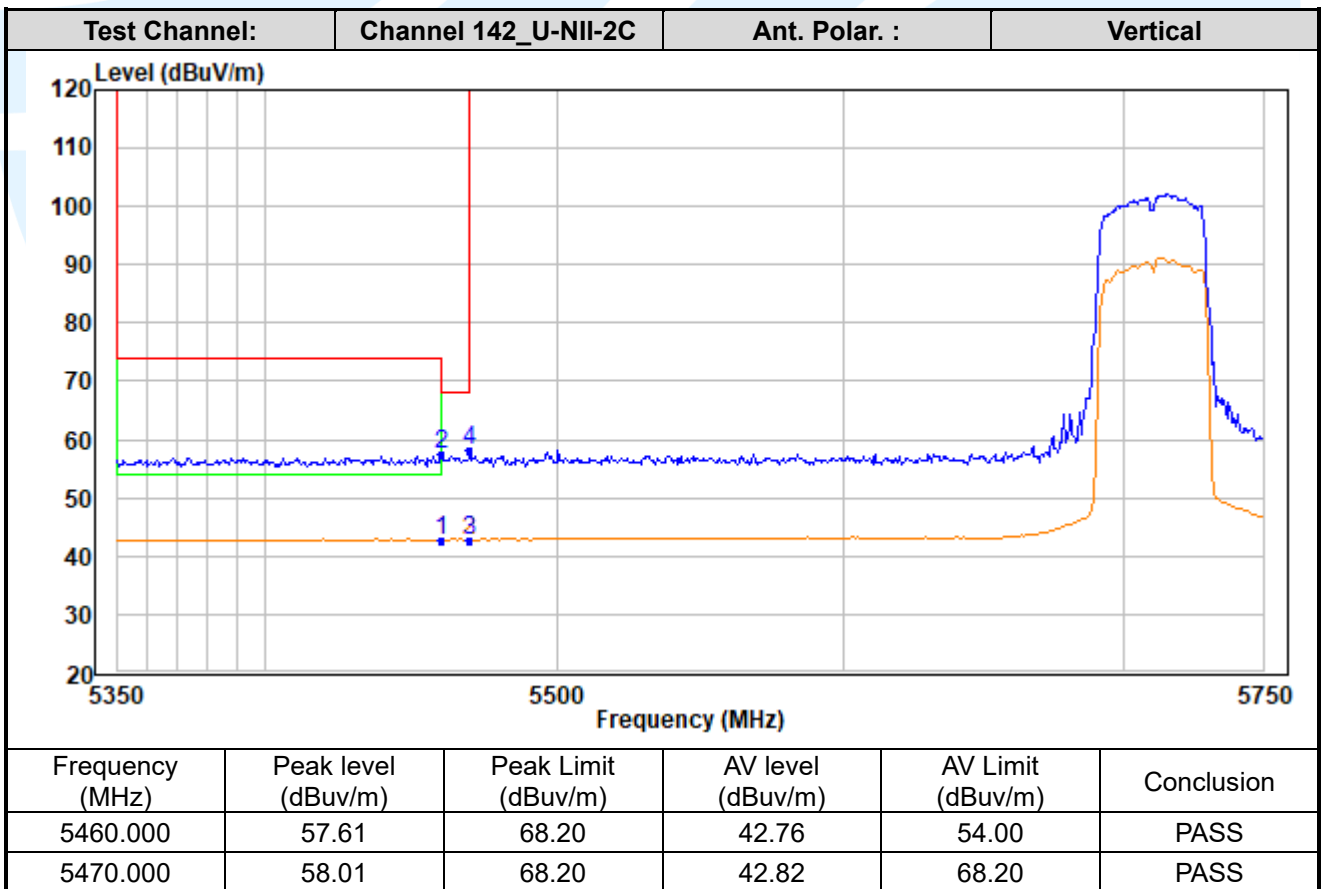
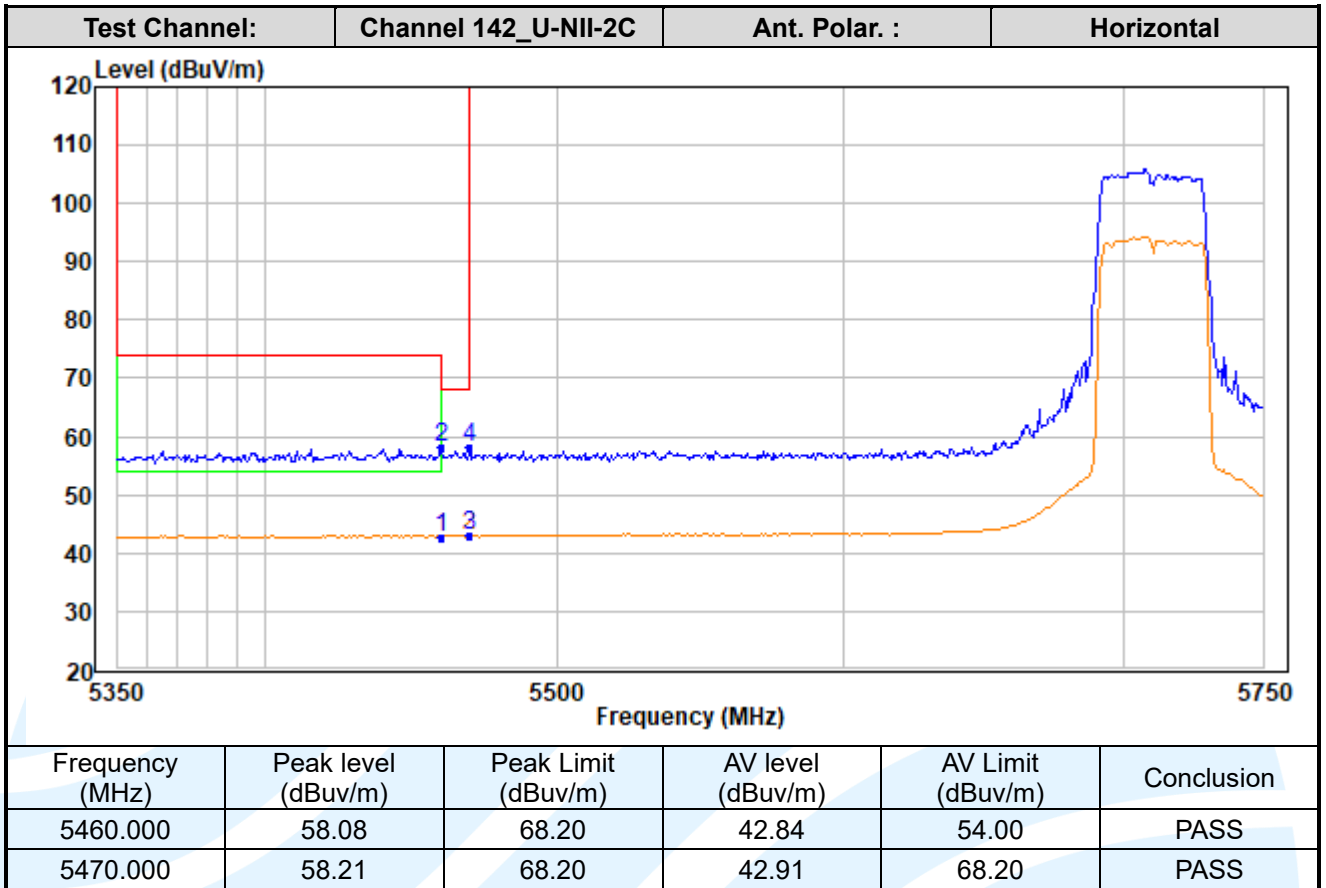
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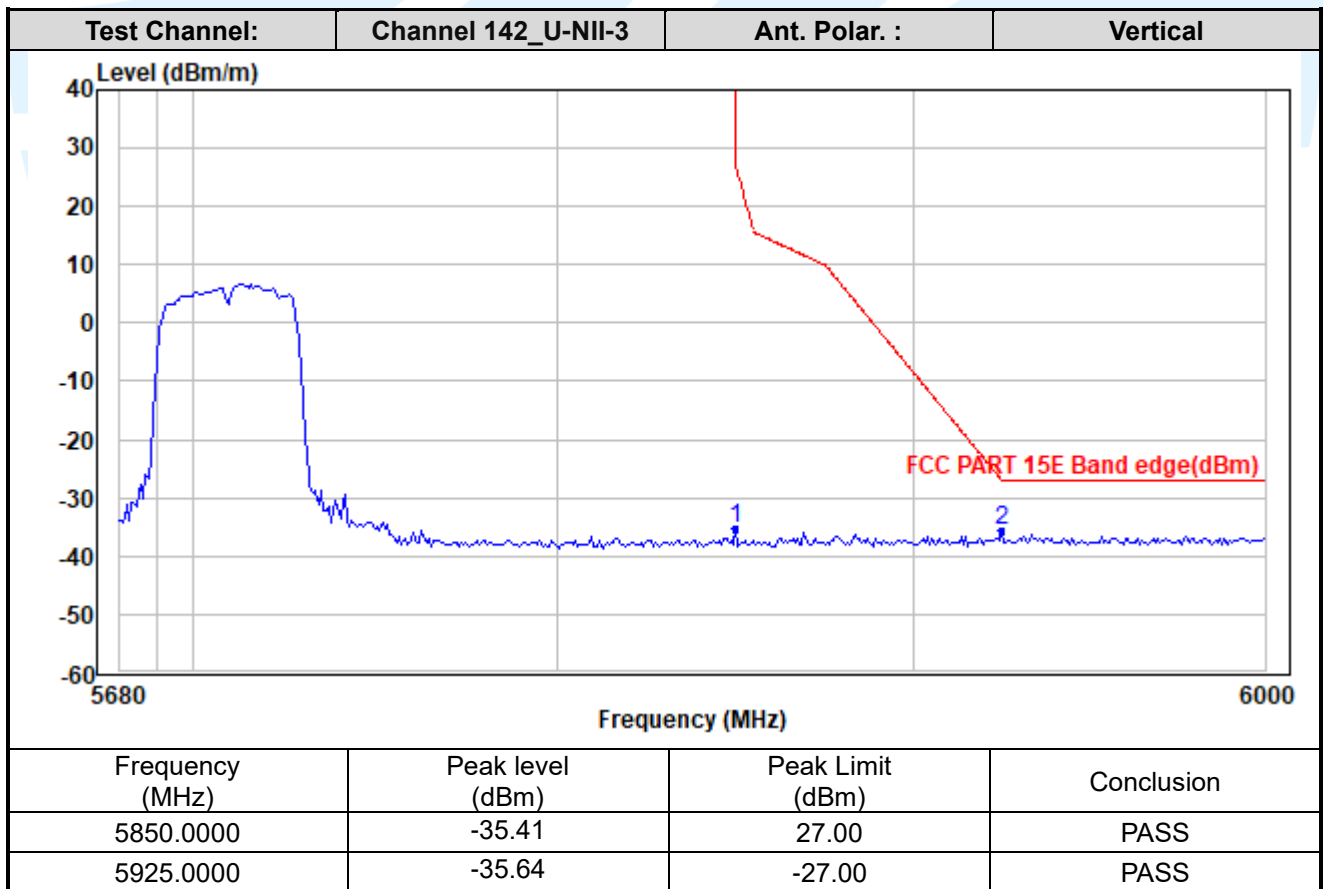
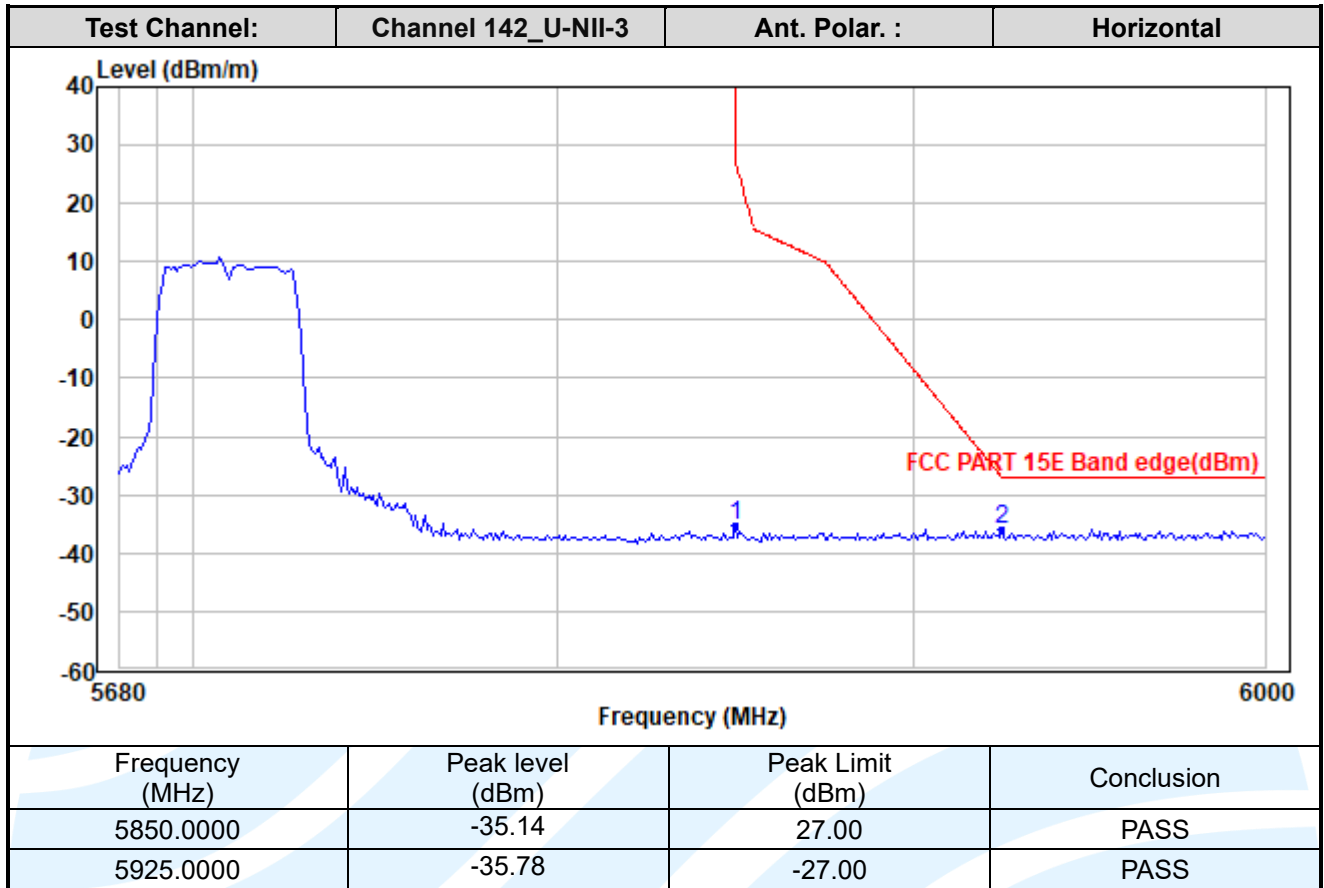
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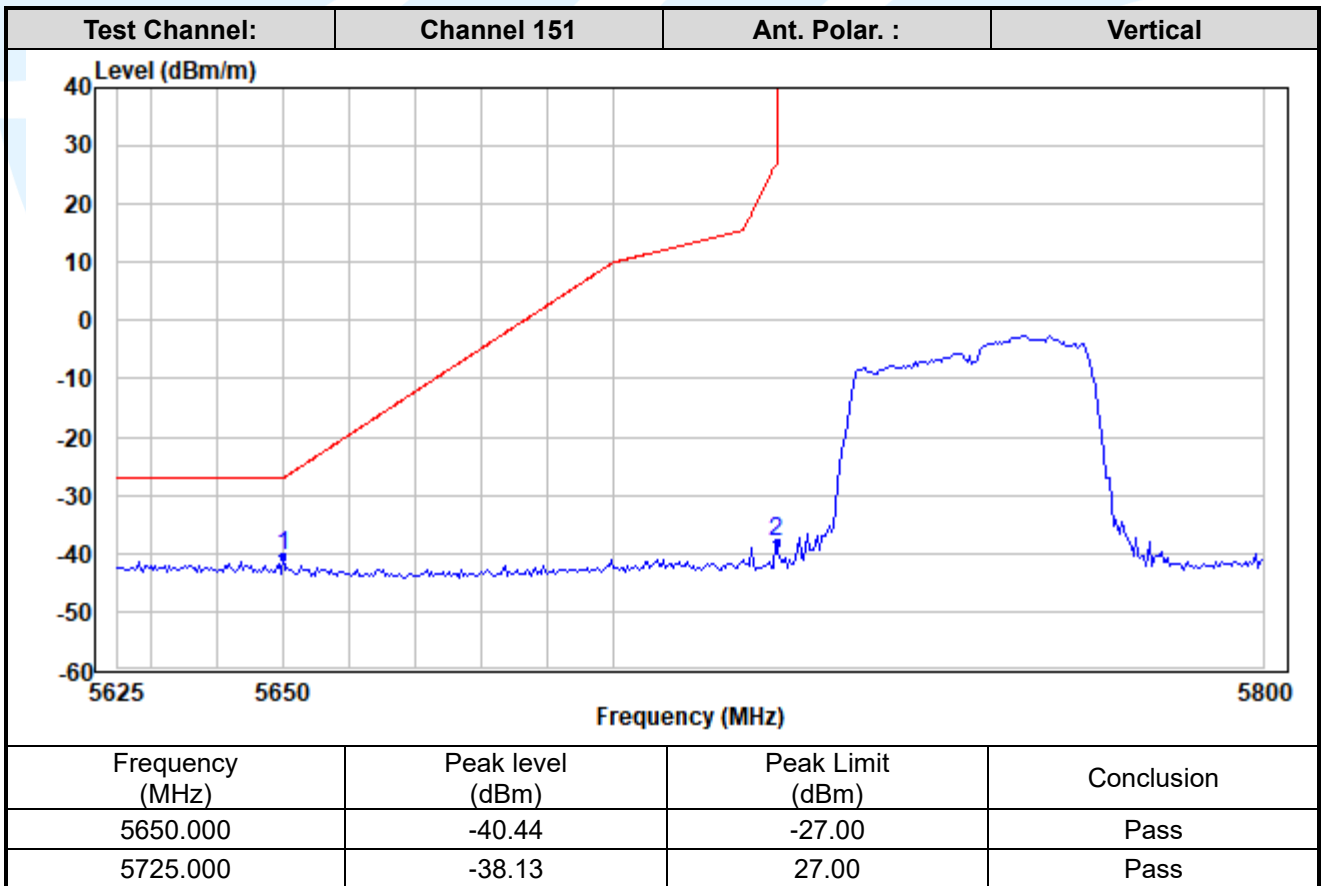
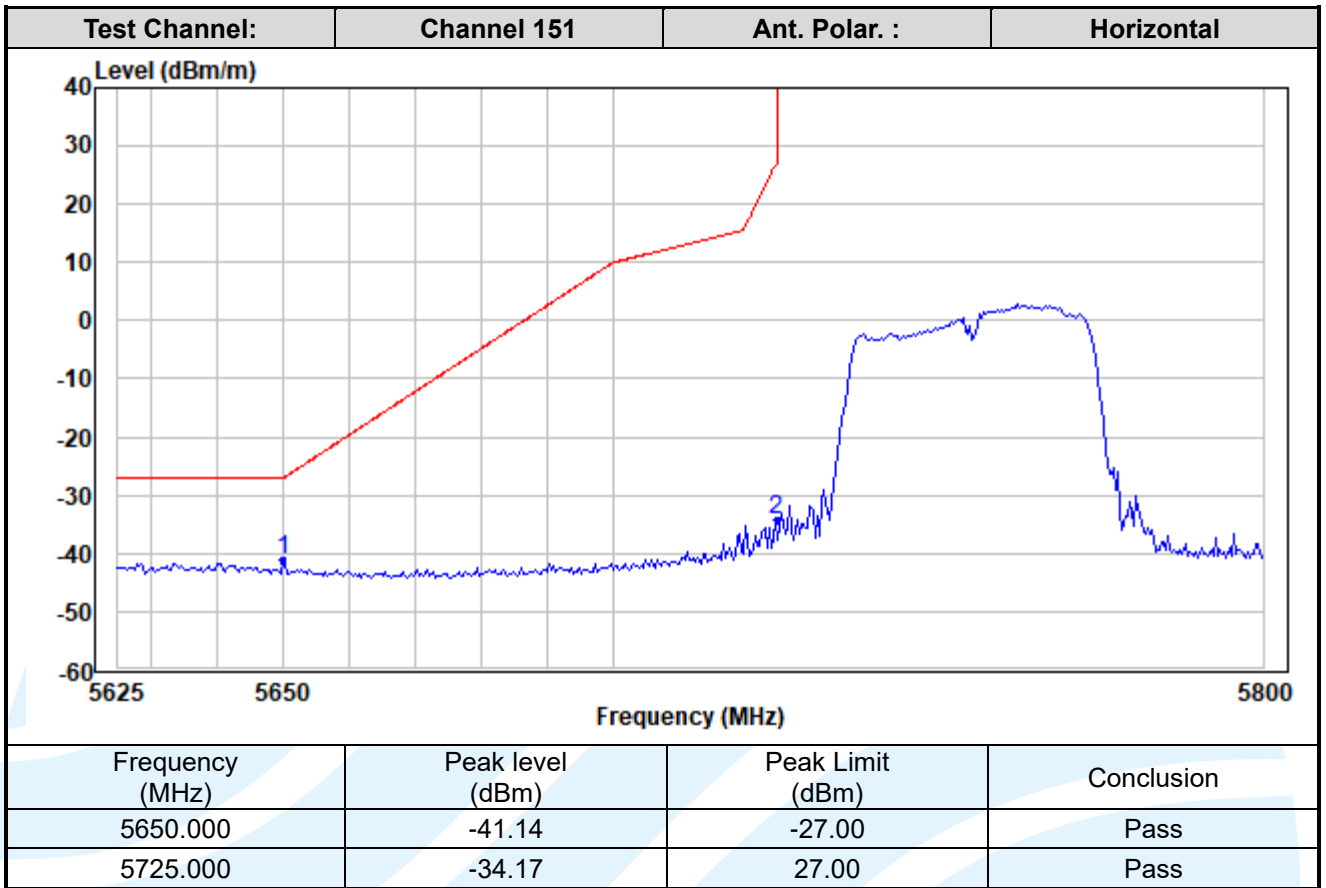
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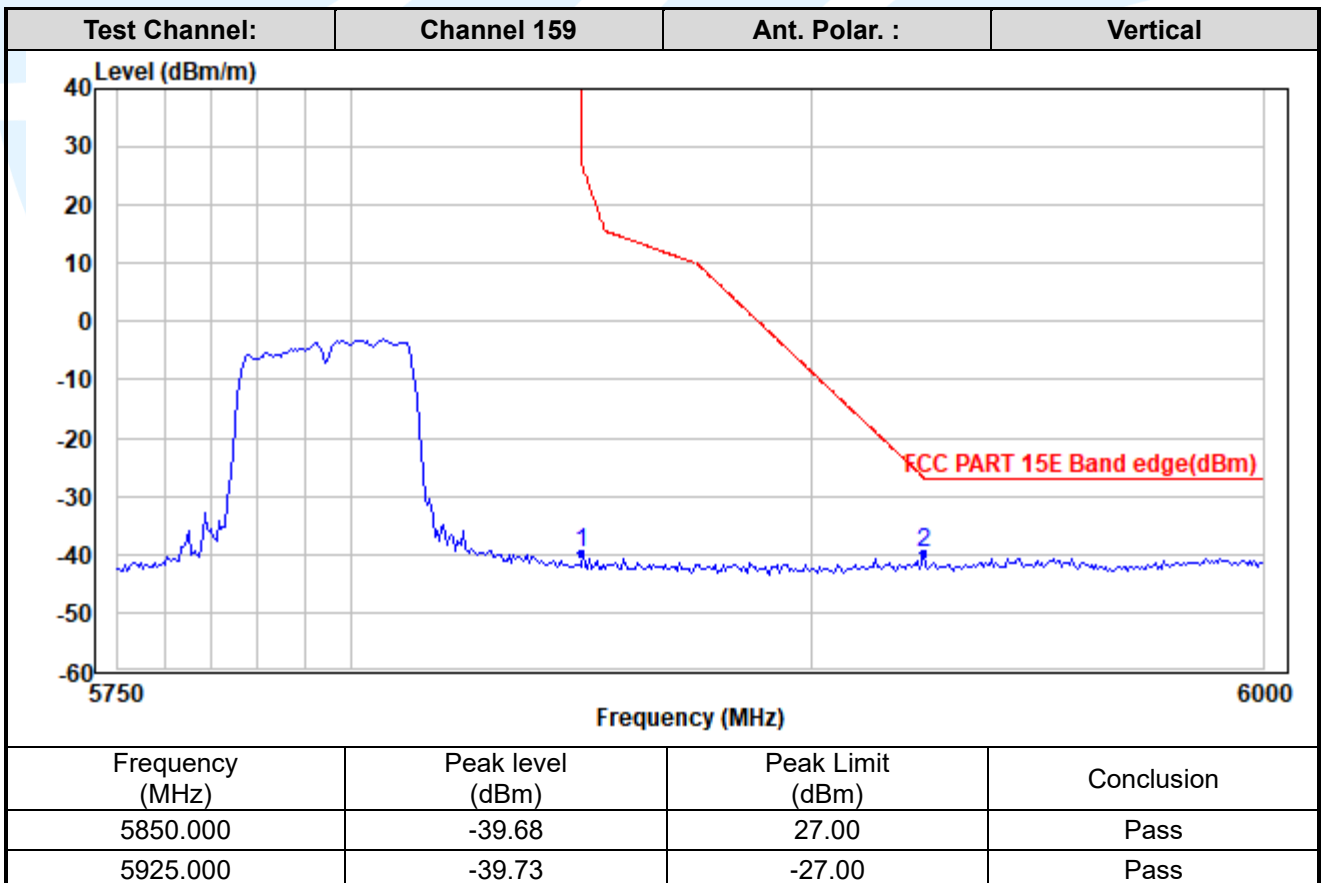
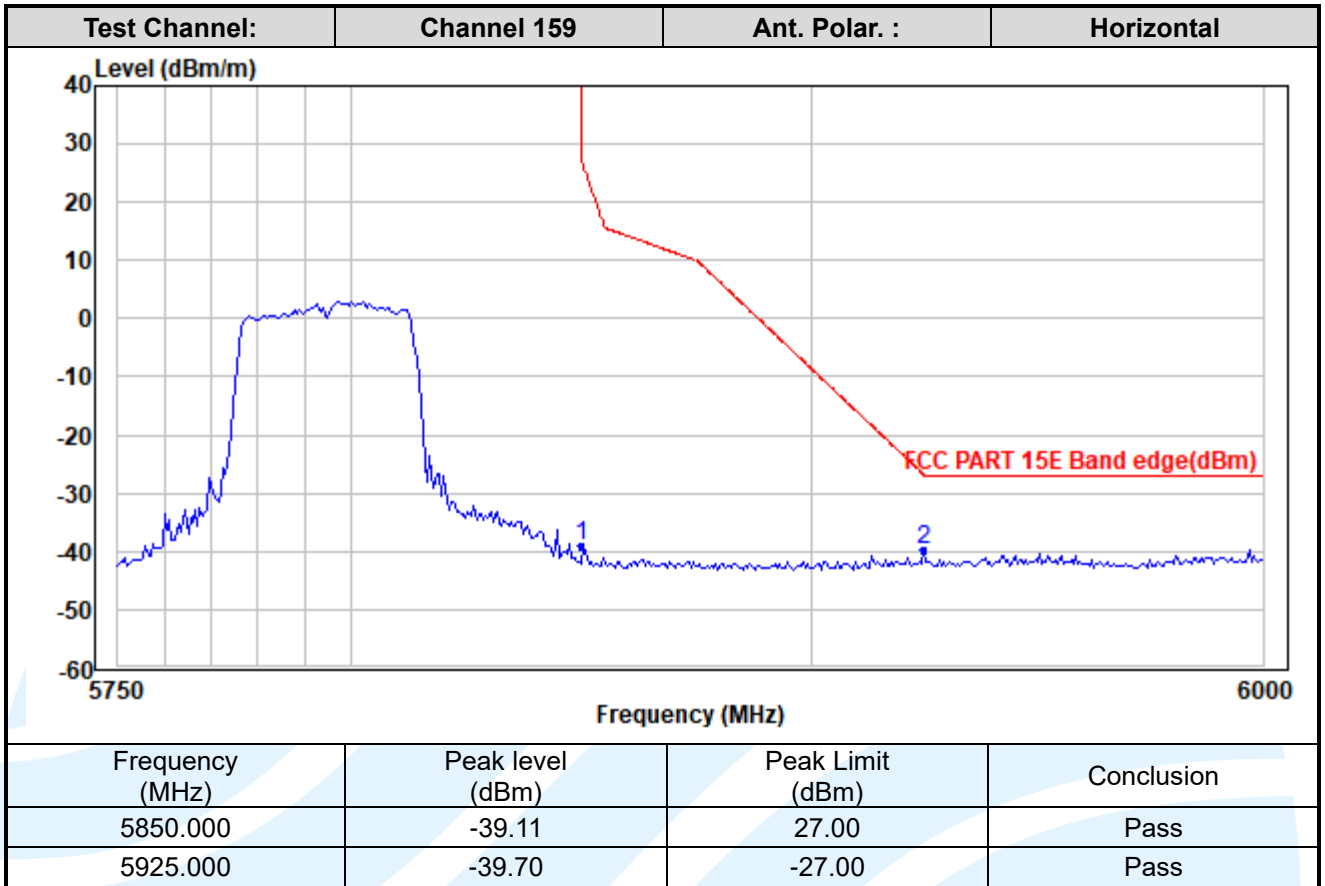
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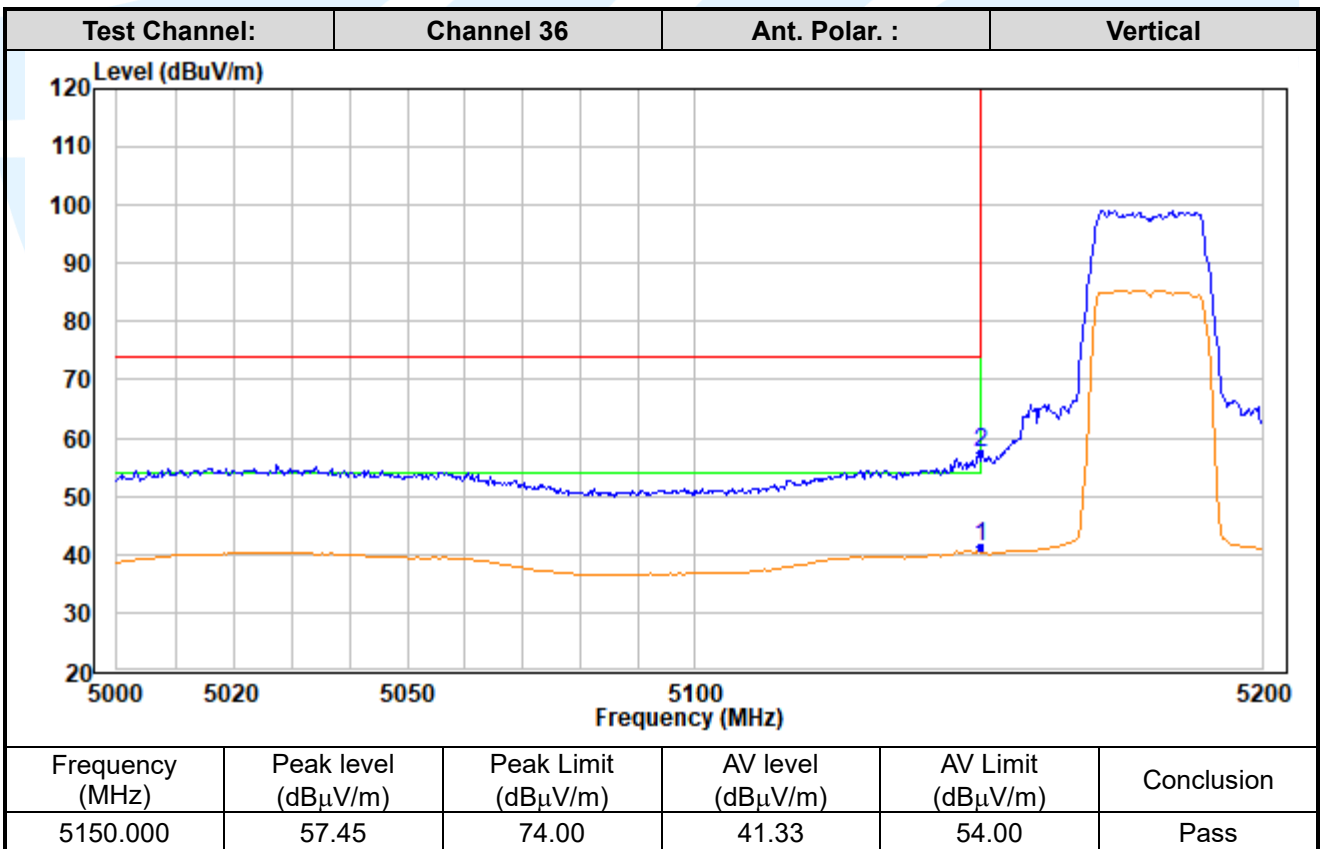
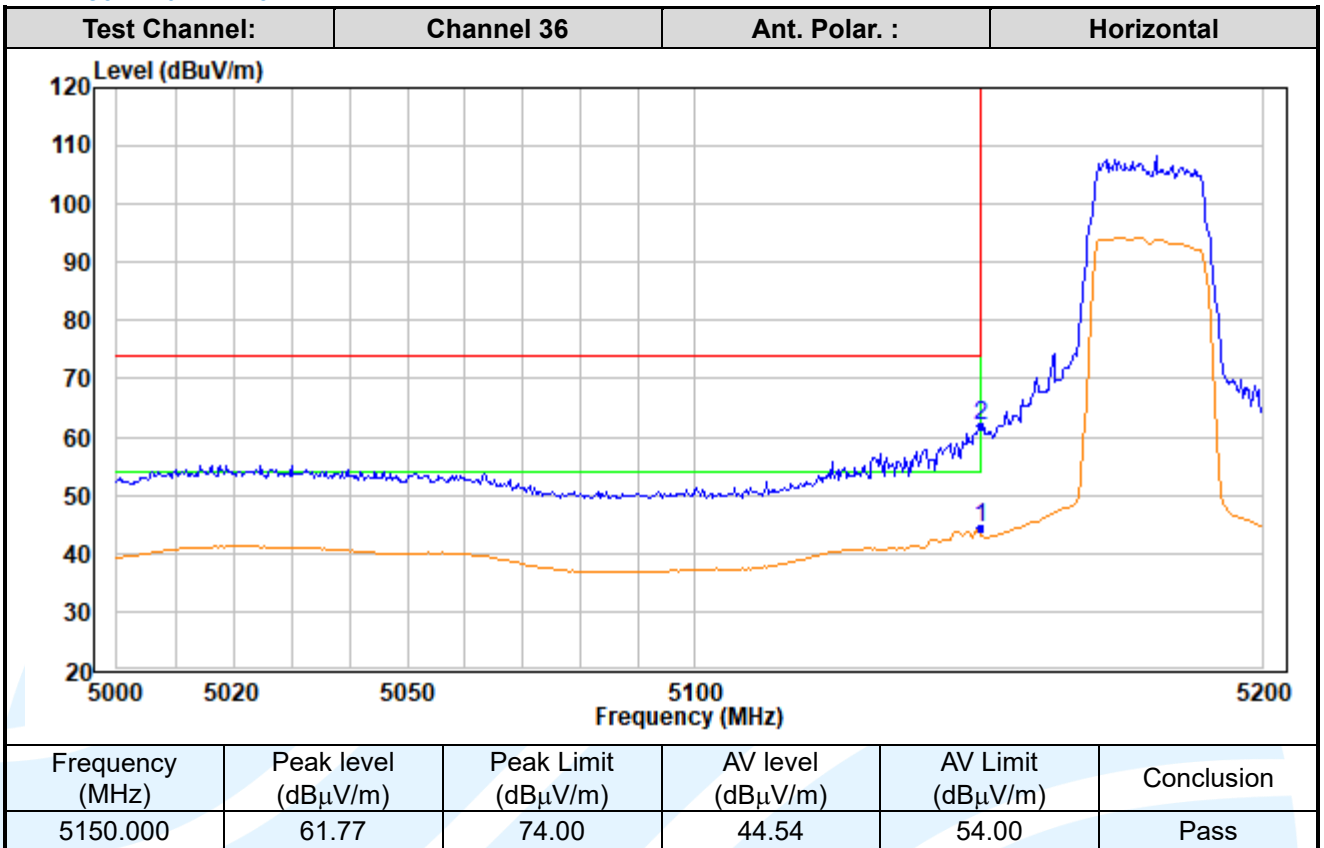
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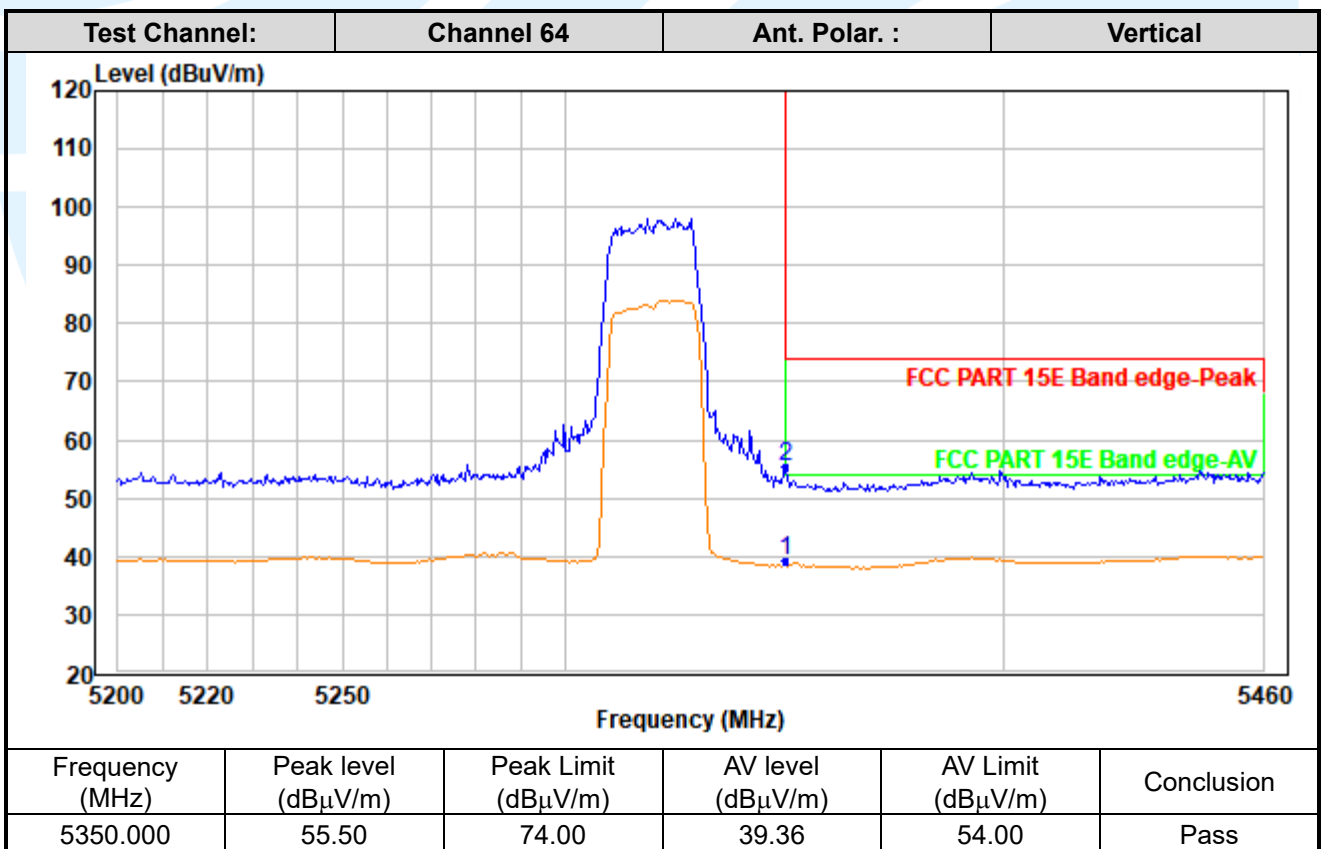
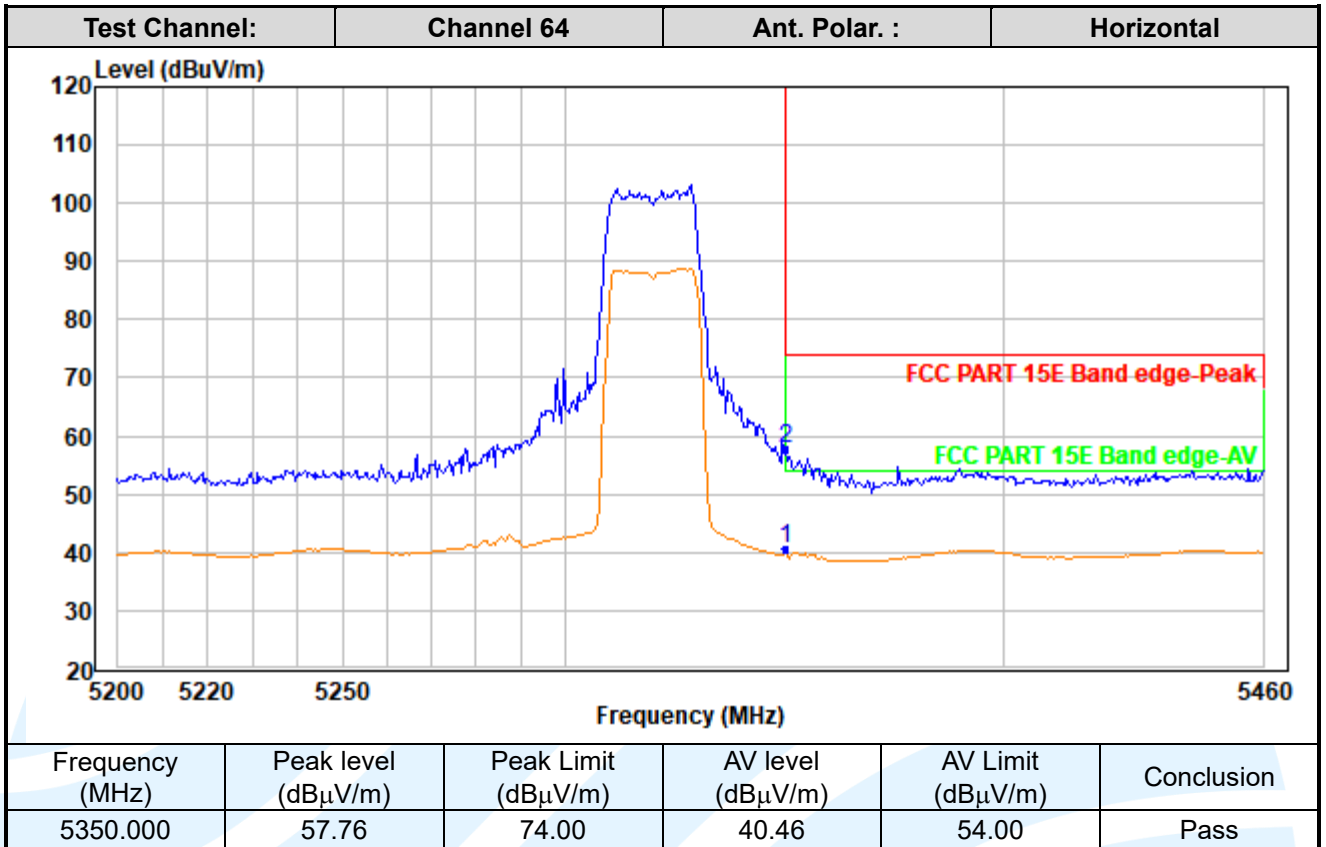
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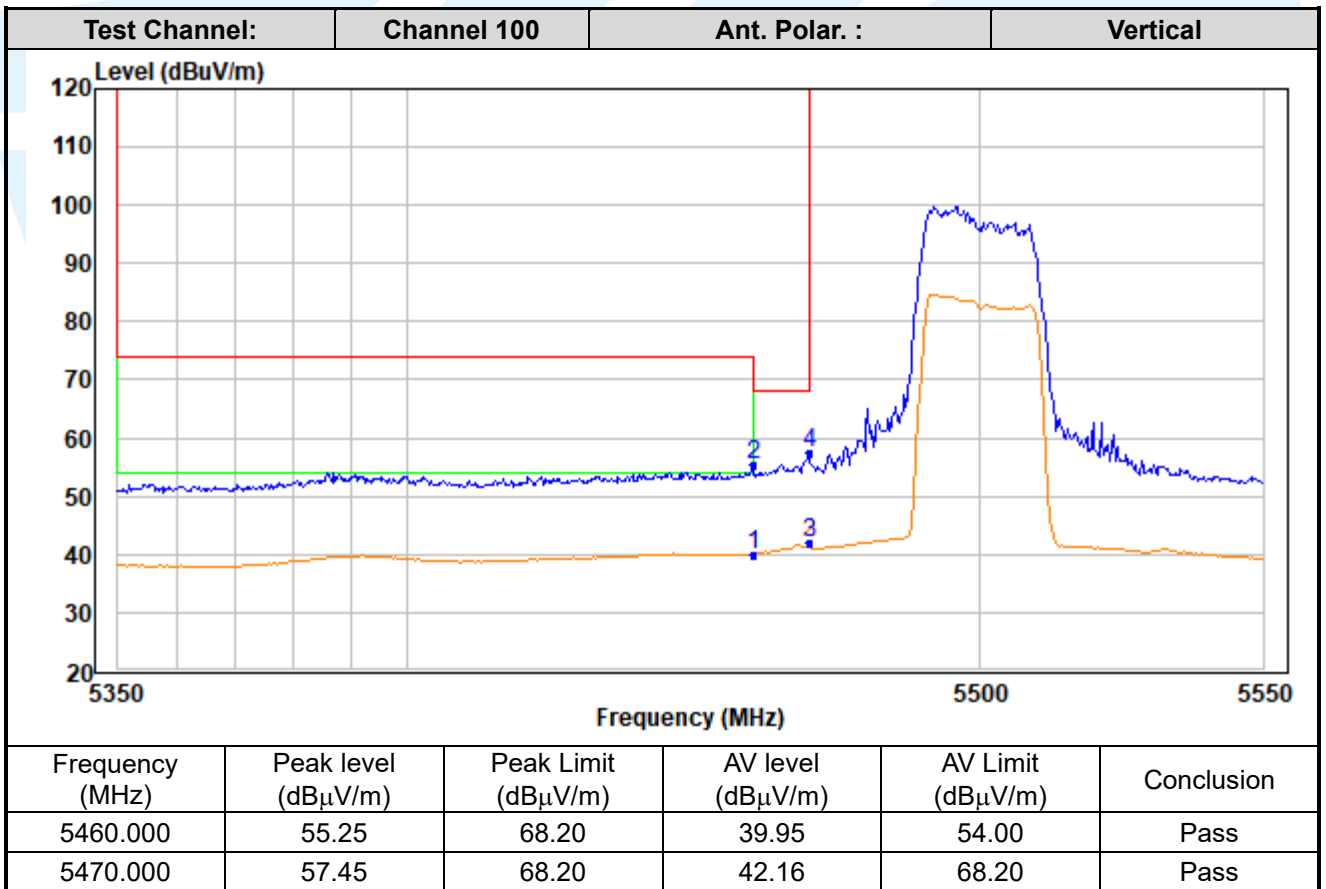
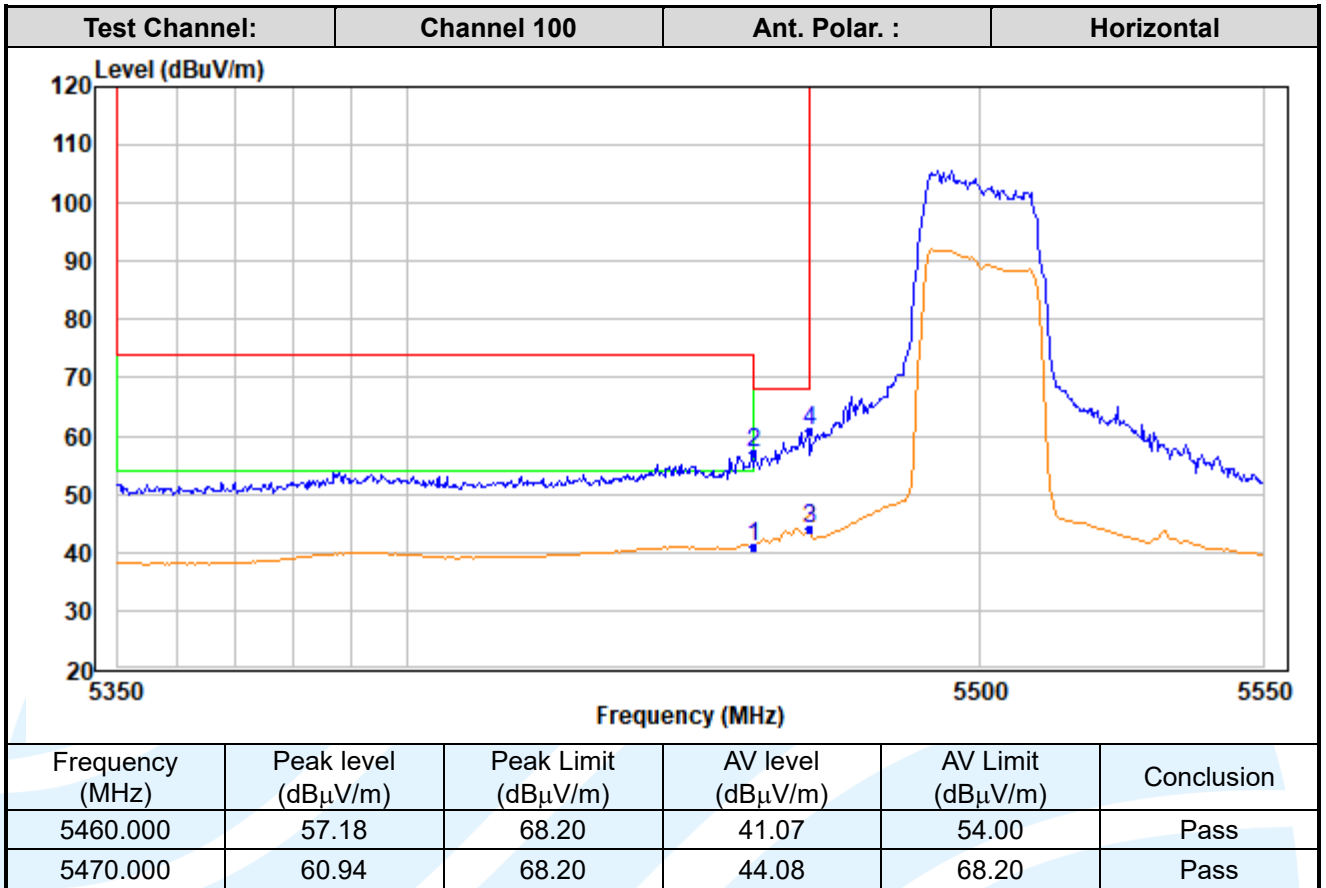
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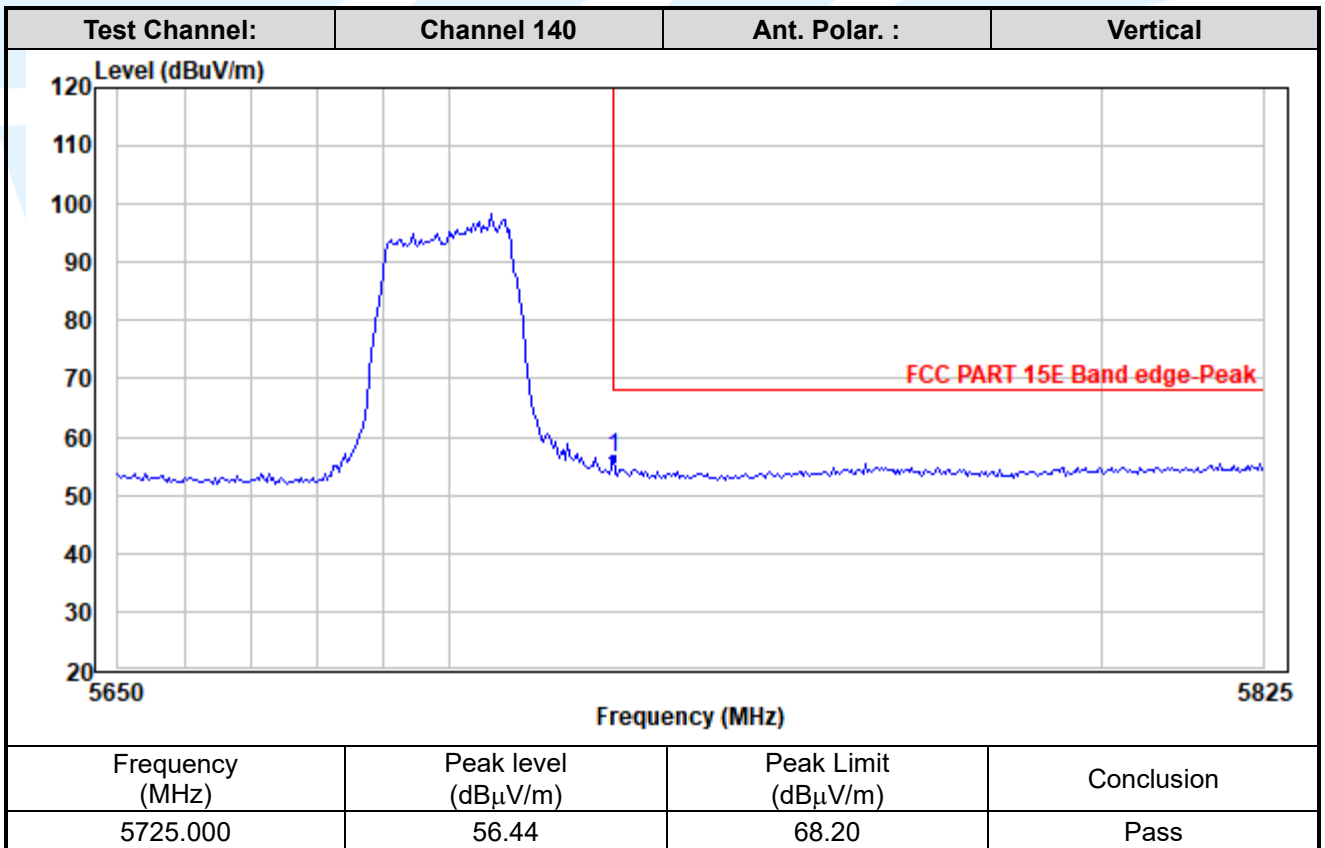
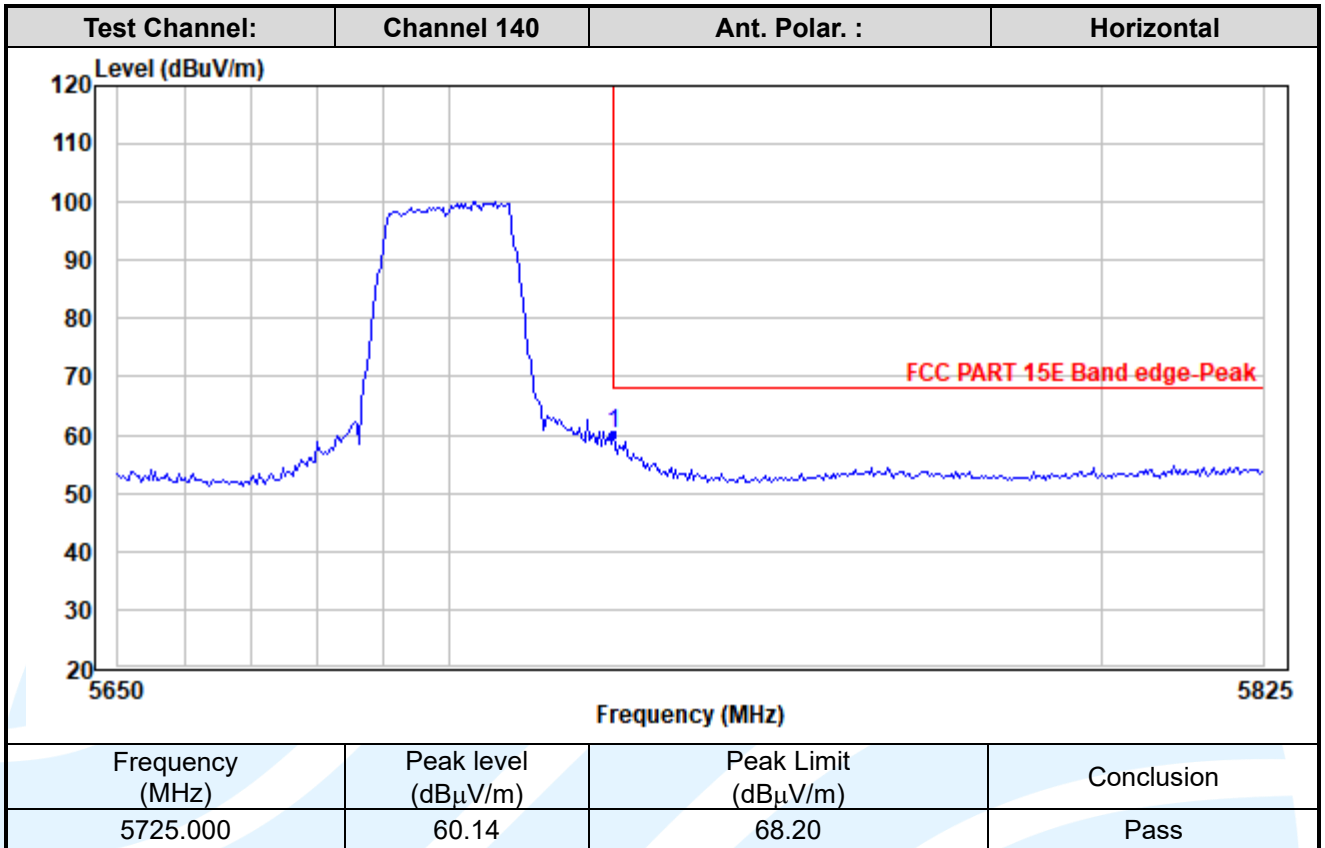
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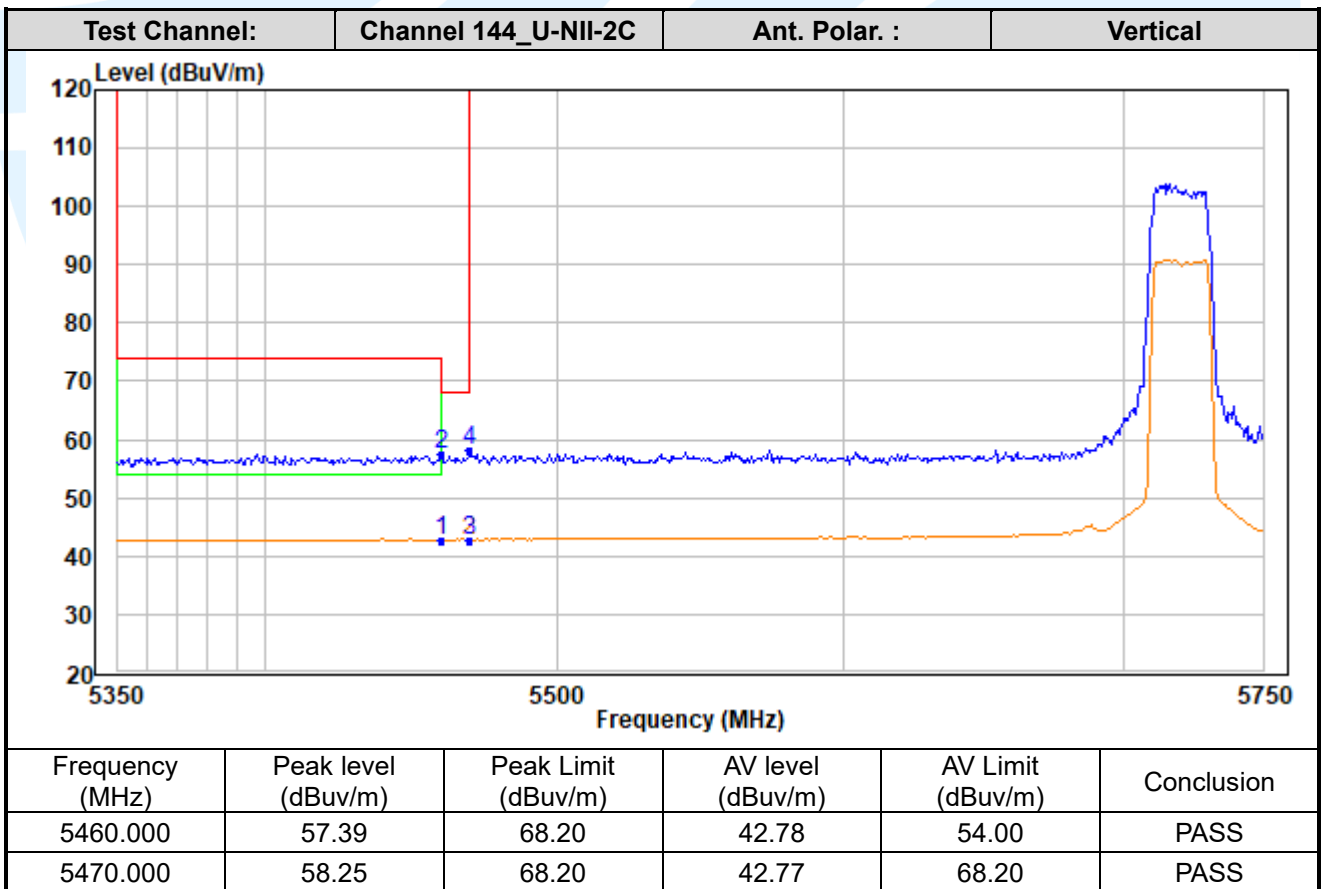
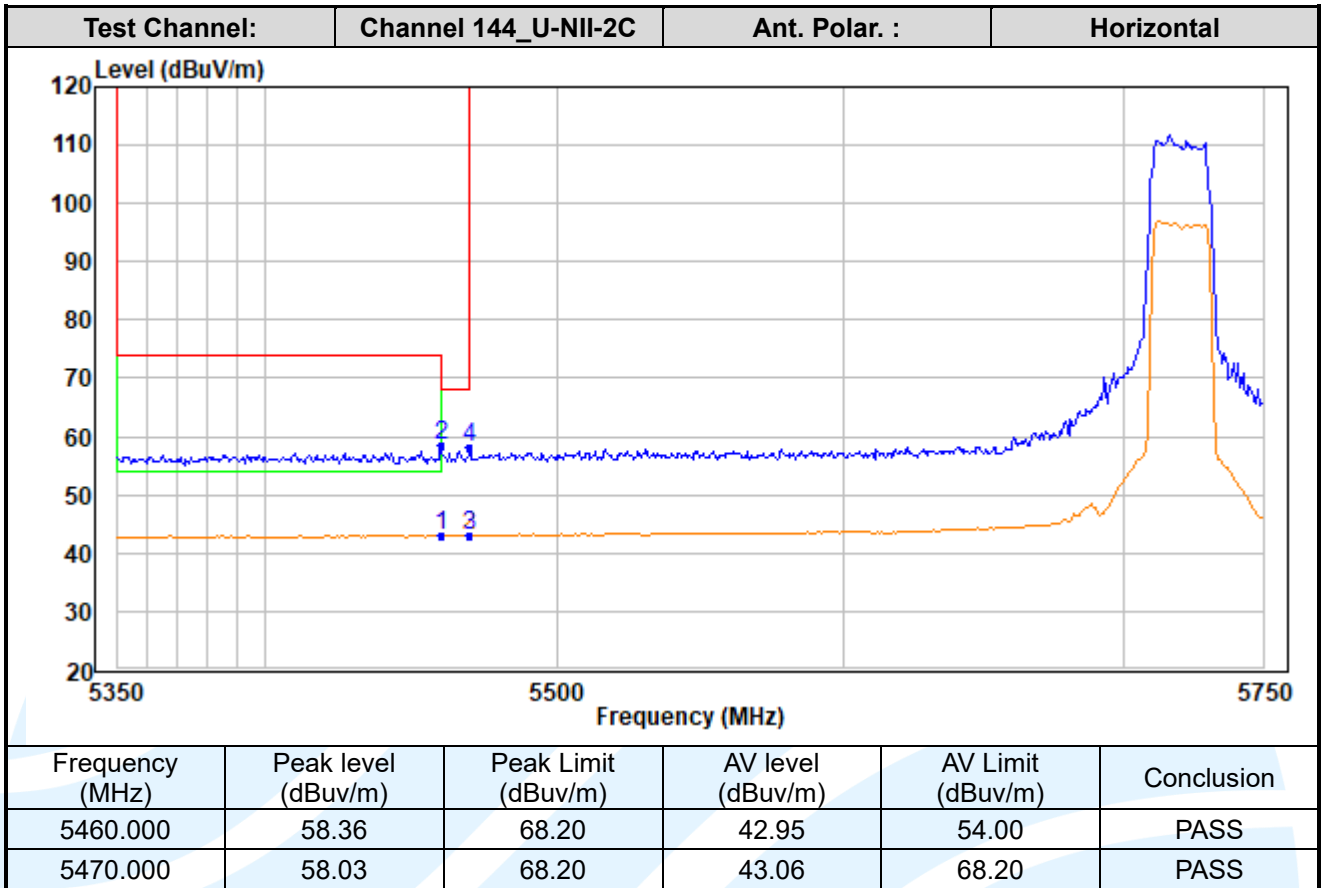
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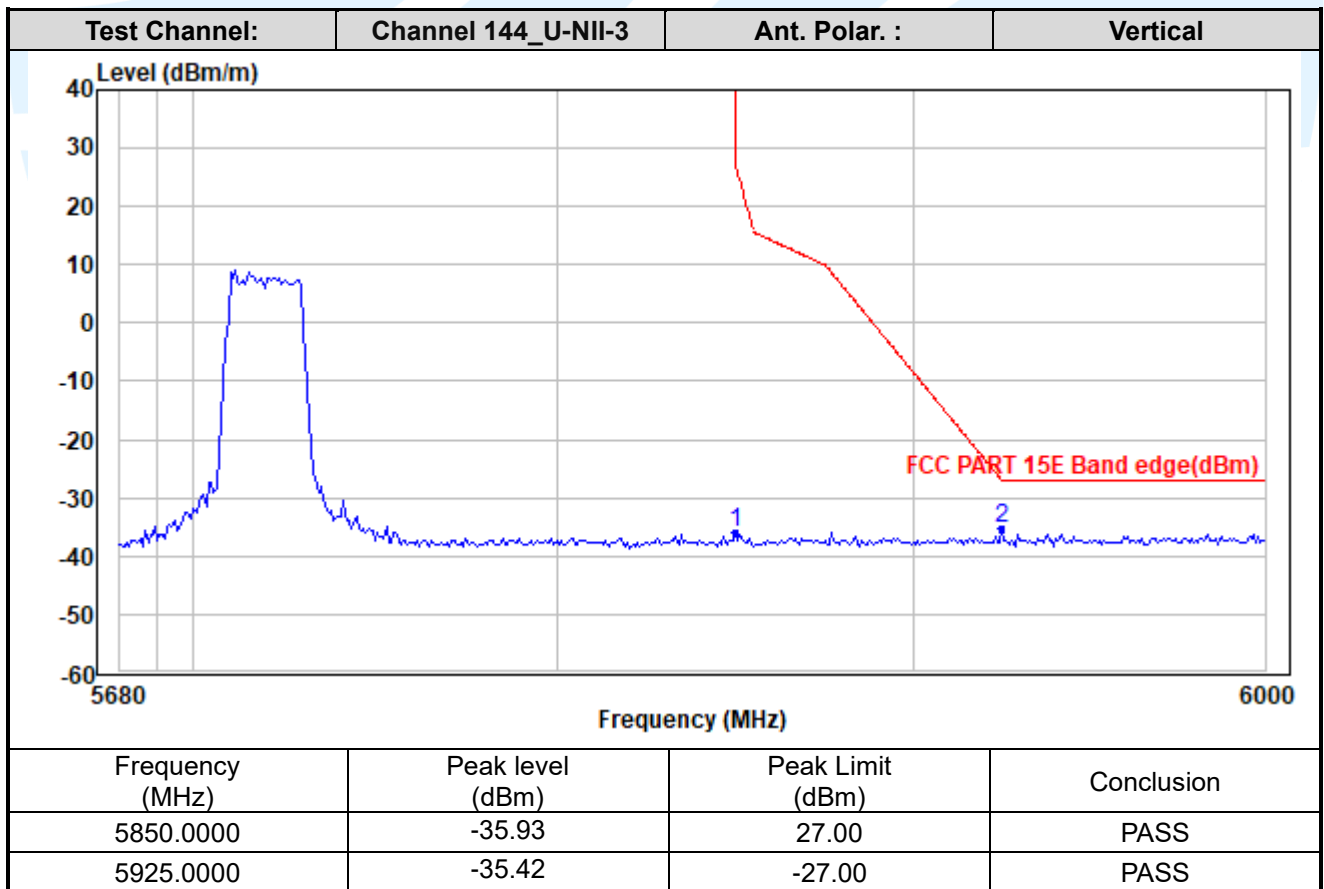
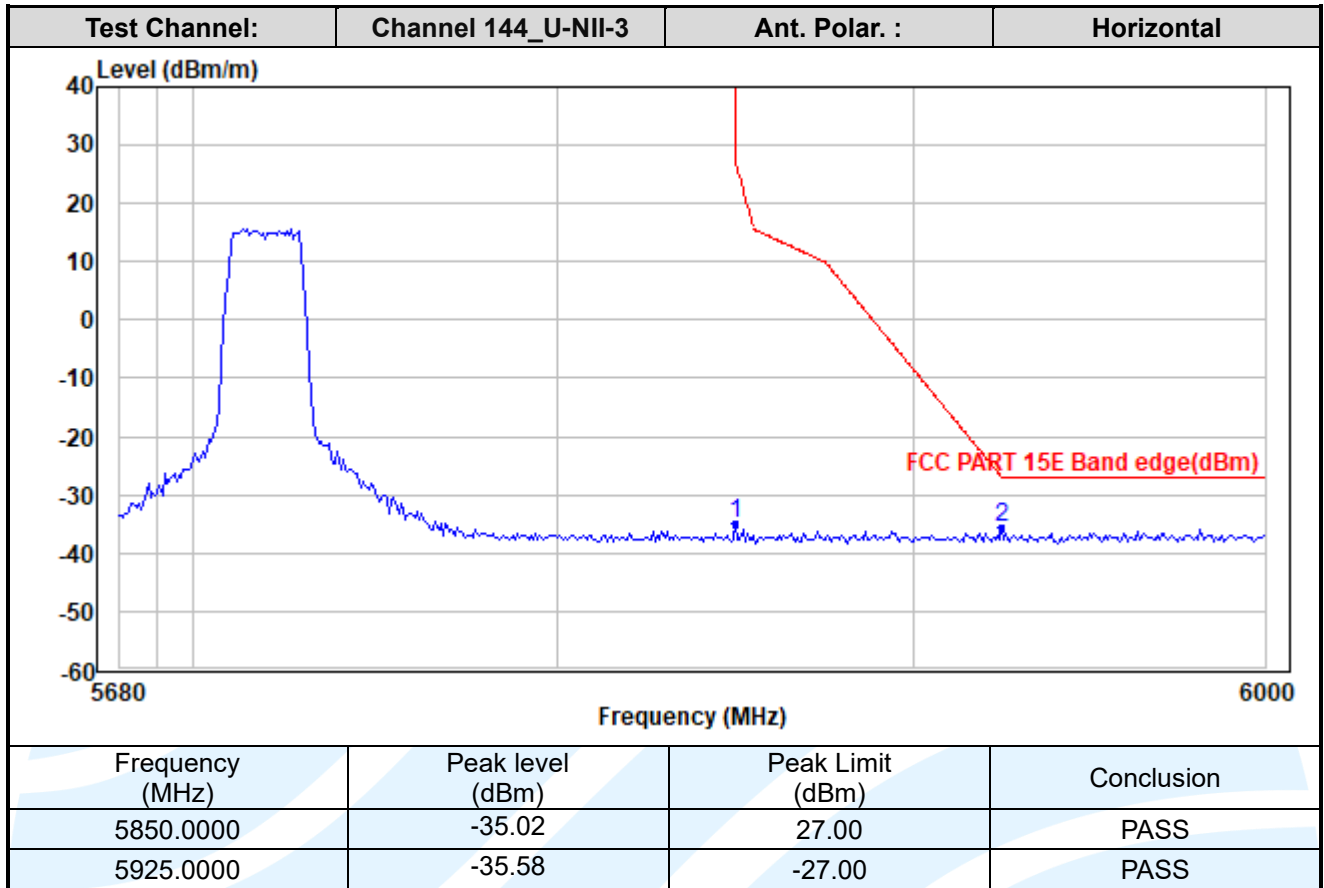
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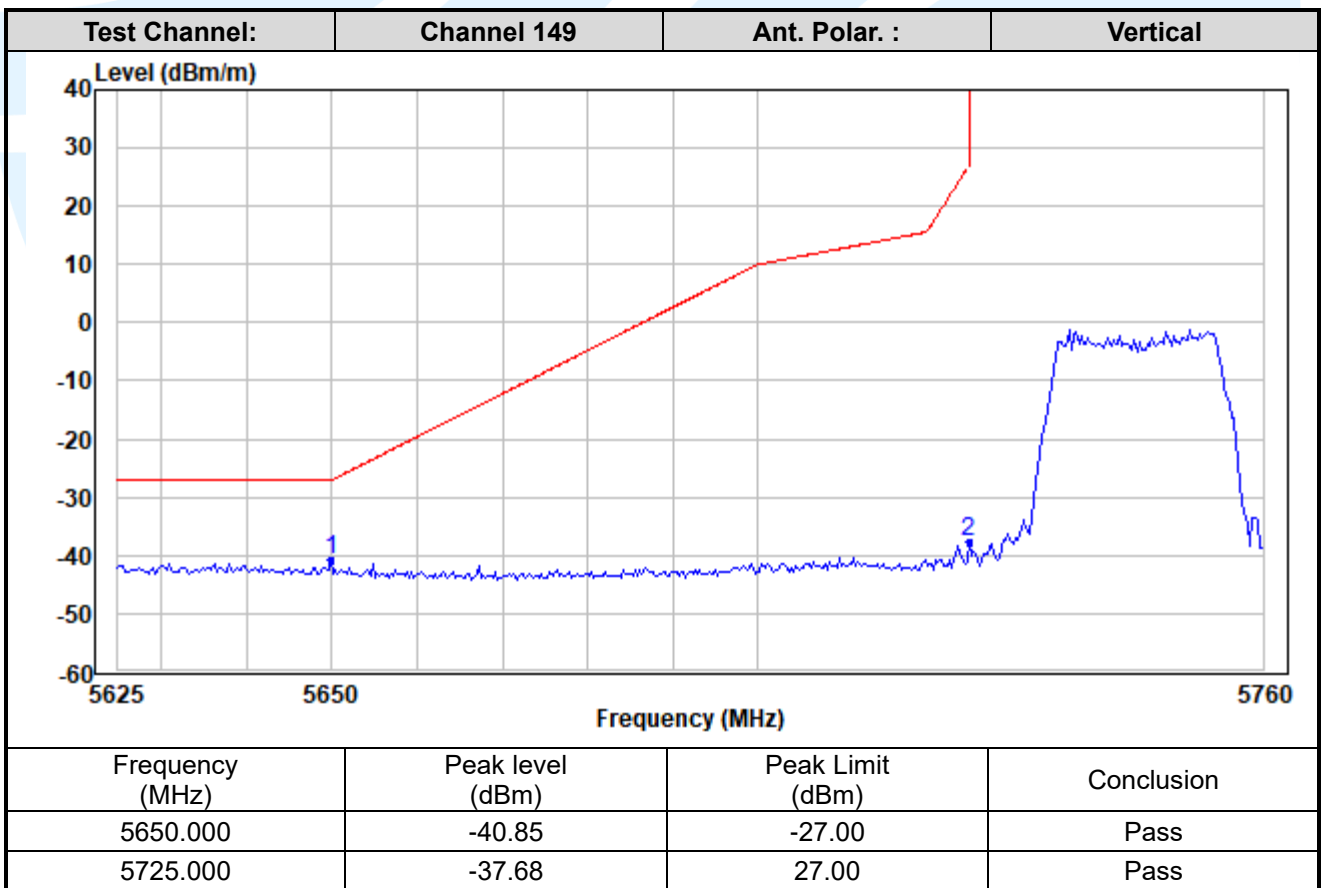
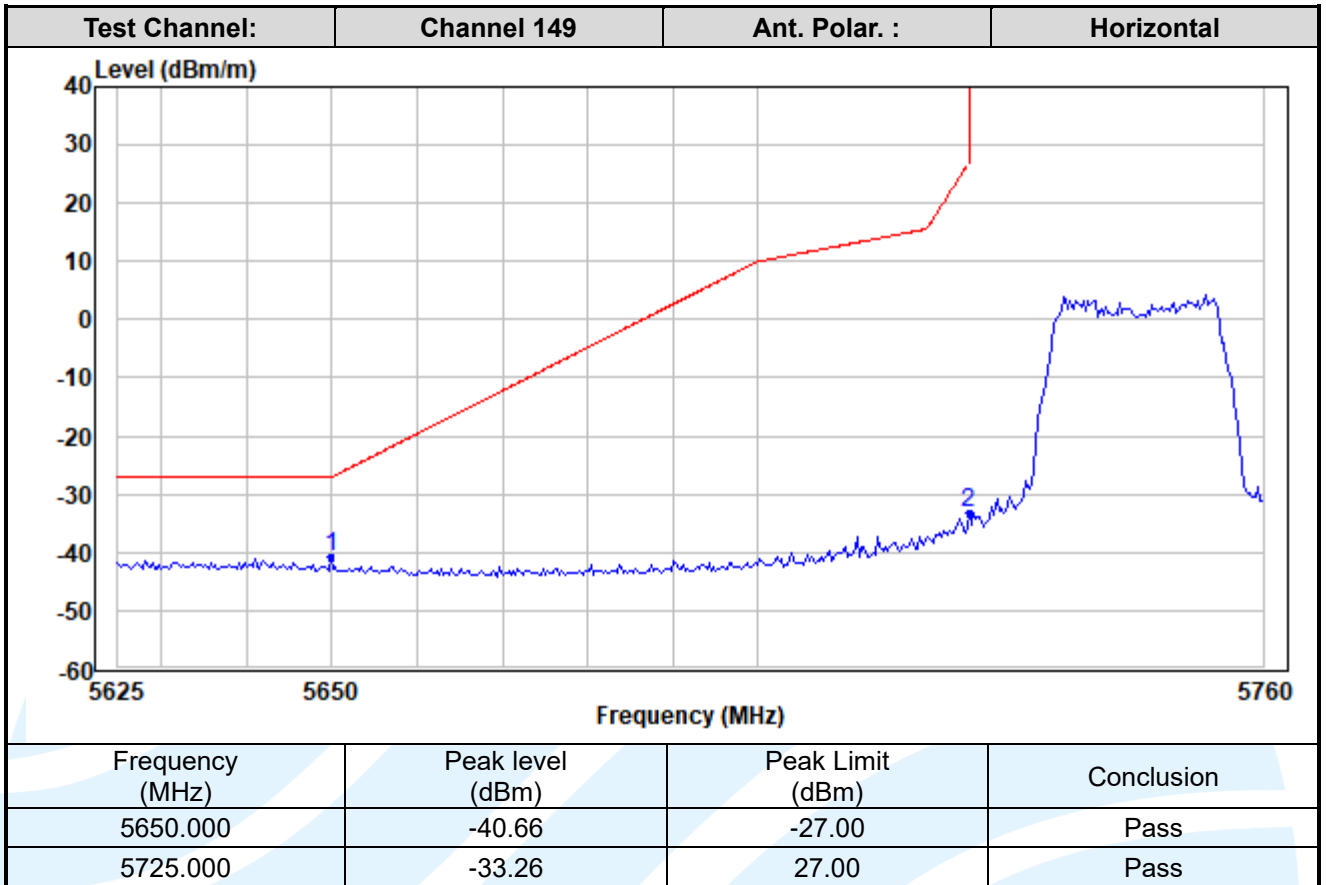
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Shenzhen UnionTrust Quality and Technology Co., Ltd.

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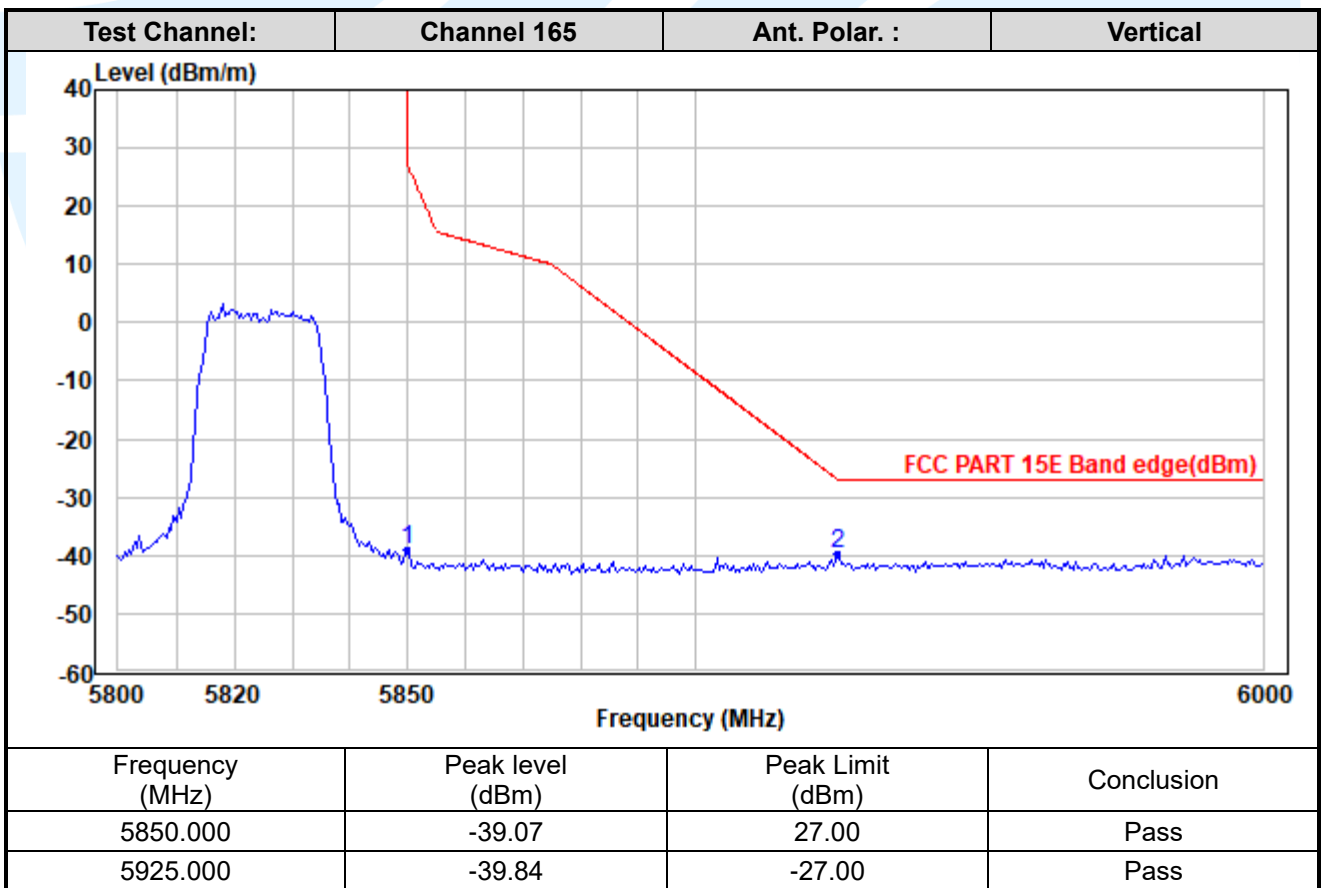
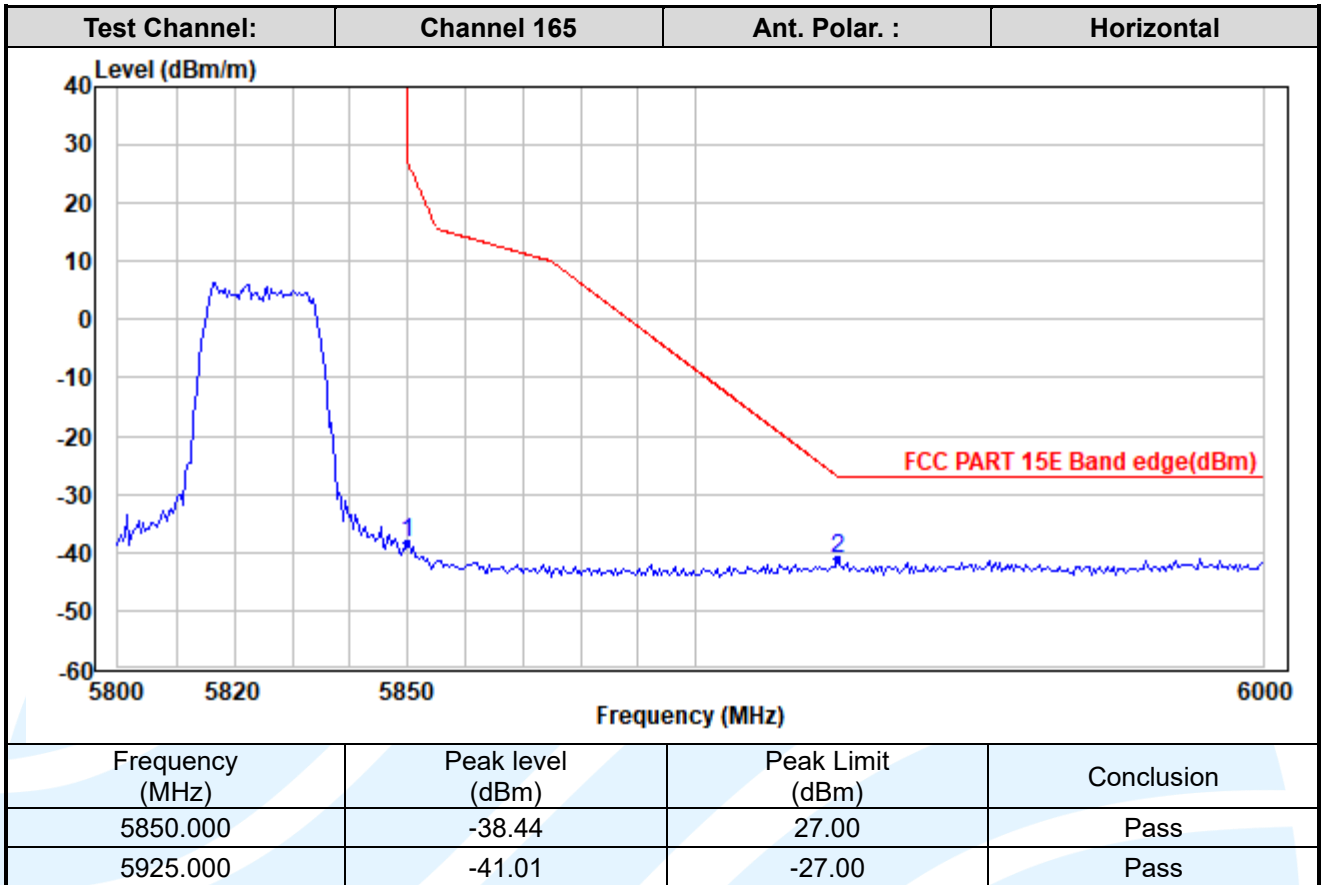
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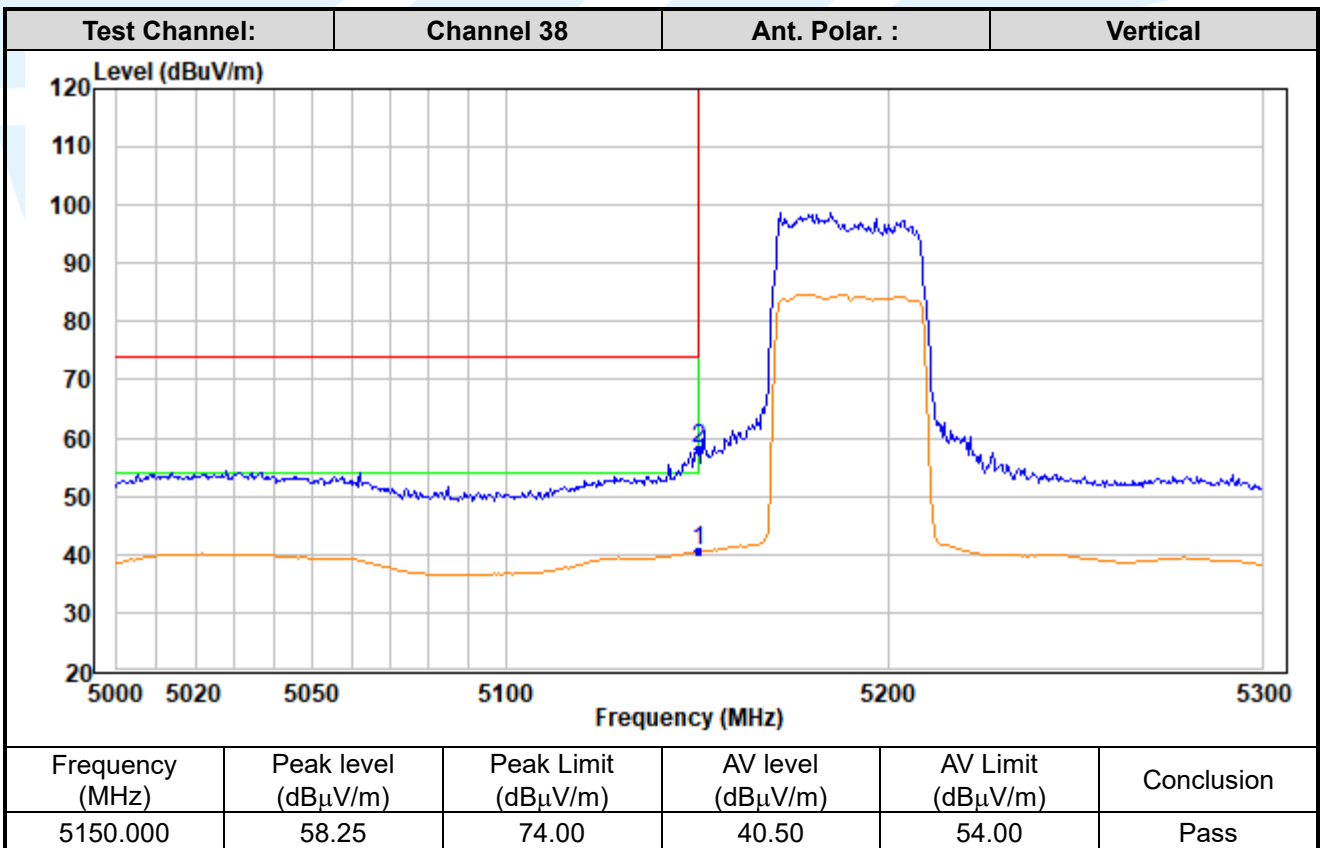
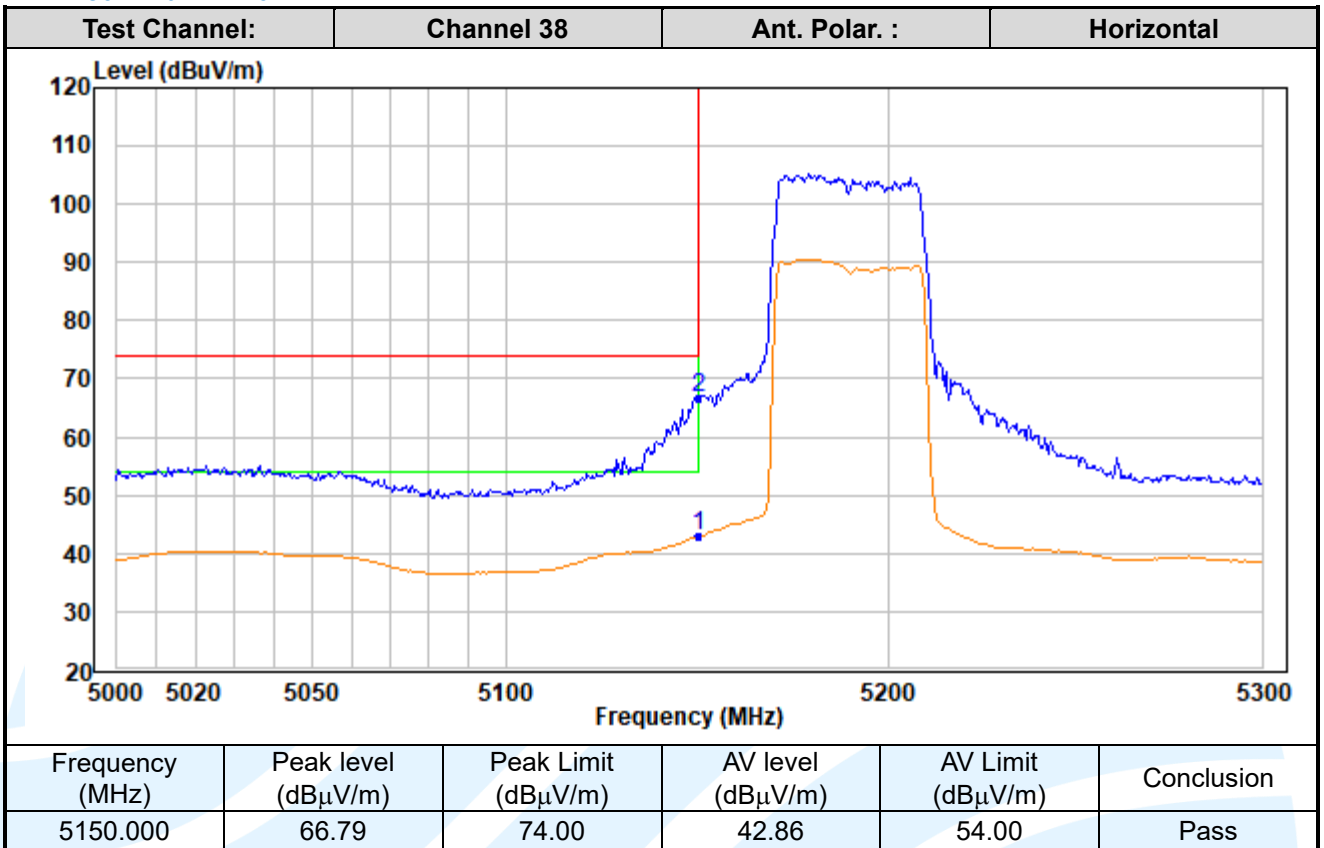
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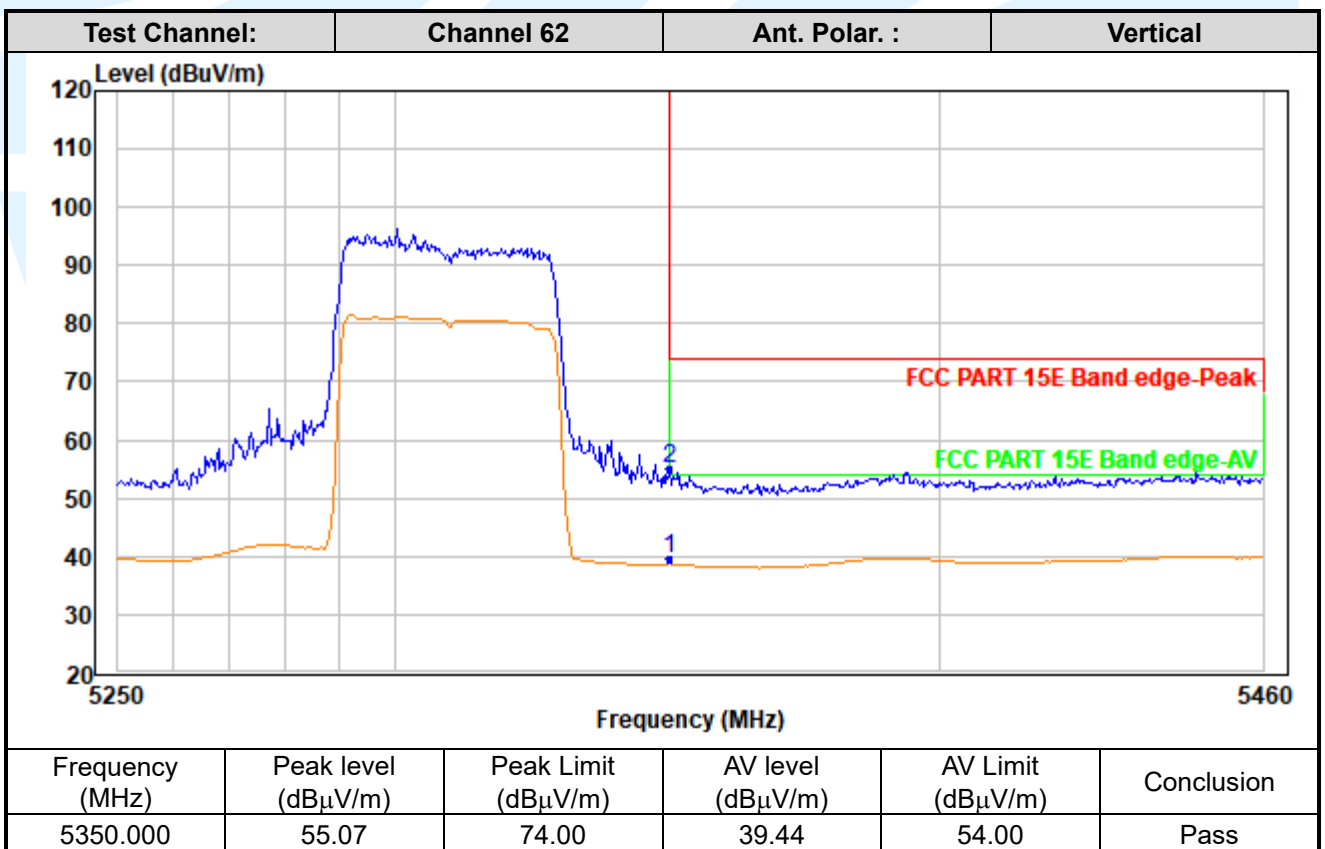
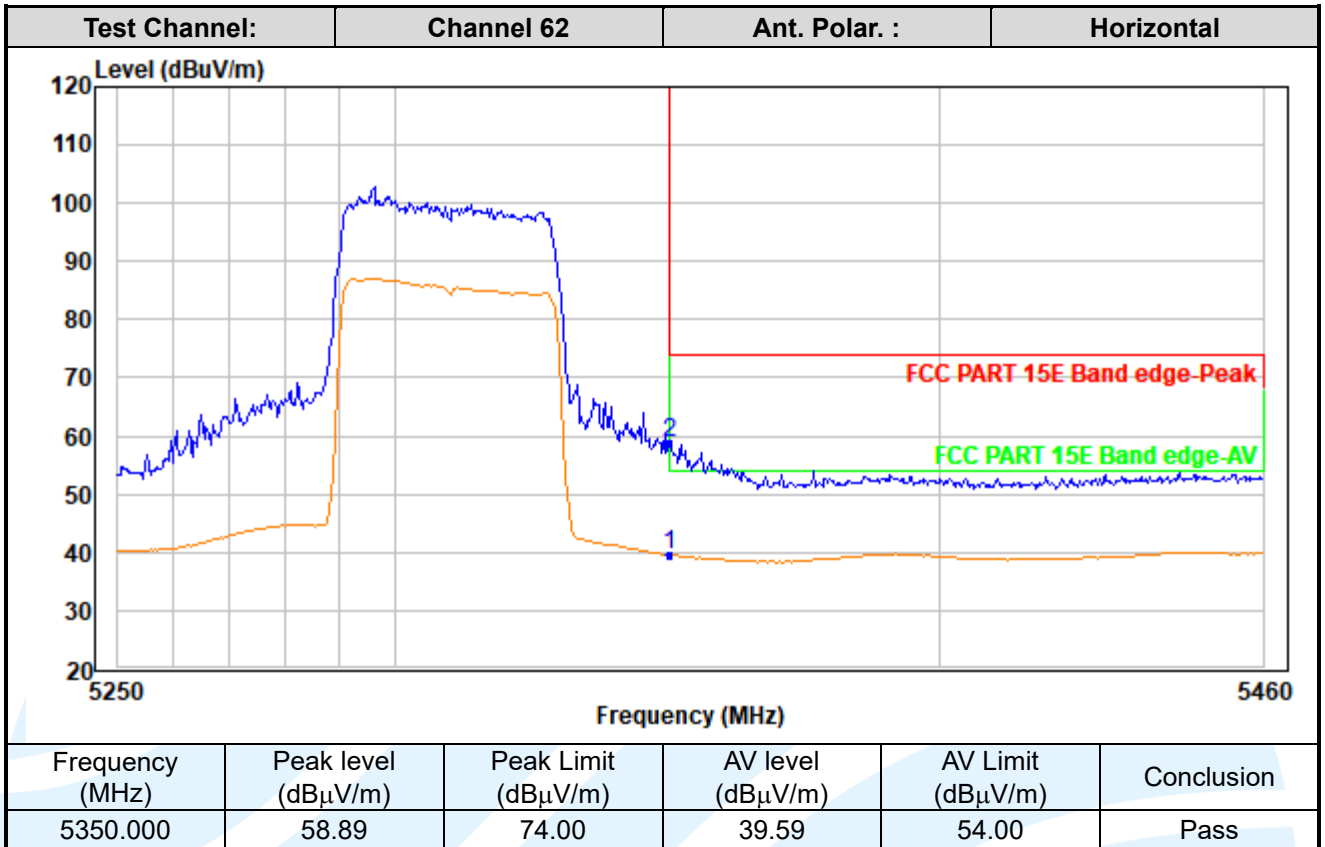
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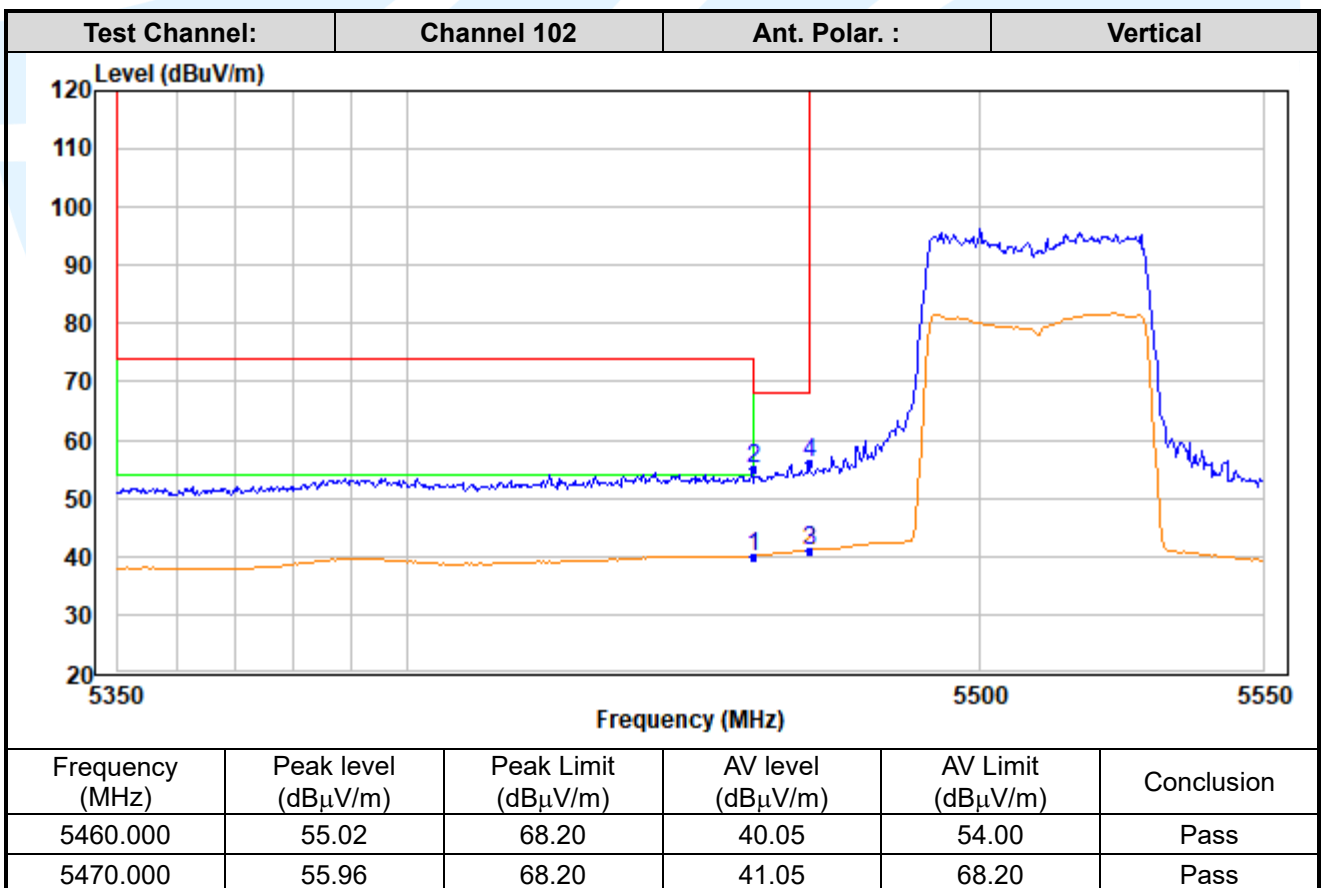
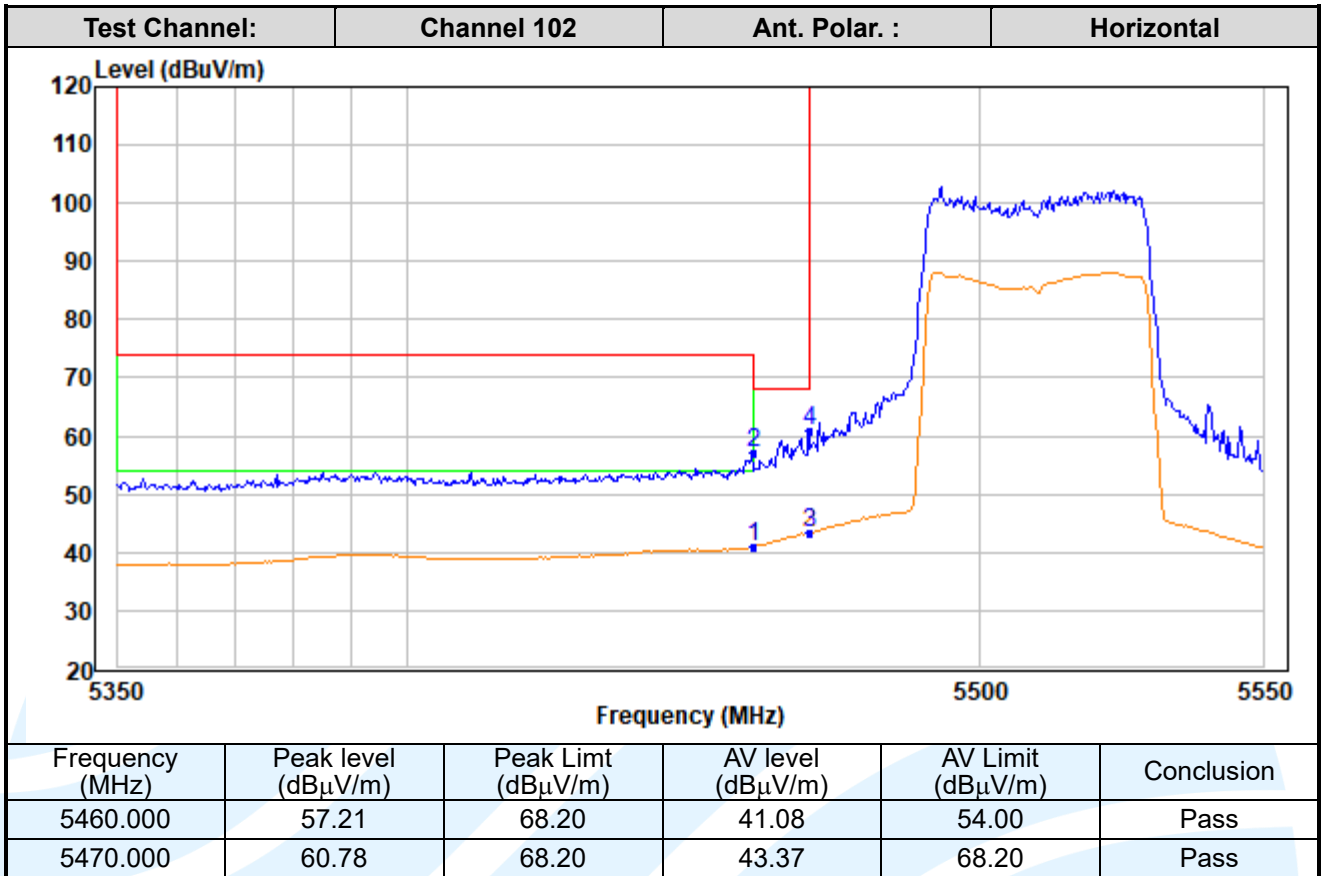
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