

RSS-247 6.2.4.2 / FCC 15.407 (b) (4) (6) [Rse] Transmitter Out of Band Radiated Emissions For transmitters operating solely in the 5.150-5.850 GHz band

Limits

USA FCC Part 15.407 (01-26-2026):

FCC Rules and Regulations 47 CFR Part 15, Subpart E, Secs. 15.407:

(b)(9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.

(b)(10) The provisions of § 15.205 apply to intentional radiators operating under this section.

FCC Rules and Regulations 47 CFR Part 15, Subpart C, Secs. 15.209:

(a) the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table.

Frequency Range (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705 - 30.0	30	-	30
30 - 88	100 ⁽¹⁾	40	3
88 - 216	150 ⁽¹⁾	43.5	3
216 - 960	200 ⁽¹⁾	46	3
Above 960	500	54	3

Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., Secs. Secs. 15.231 and 15.241

(d) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

(f) In accordance with Secs. 15.33(a), in some cases the emissions from an intentional radiator must be measured to beyond the tenth harmonic of the highest fundamental frequency designed to be emitted by the intentional radiator because of the incorporation of a digital device. If measurements above the tenth harmonic are so required, the radiated emissions above the tenth harmonic shall comply with the general radiated emission limits applicable to the incorporated digital device, as shown in Secs. 15.109 and as based on the frequency of the emission being measured, or, except for emissions contained in the restricted frequency bands shown in Secs. 15.205, the limit on spurious emissions specified for the intentional radiator, whichever is the higher limit. Emissions which must be measured above the tenth harmonic of the highest fundamental frequency designed to be emitted by the intentional radiator and which fall within the restricted bands shall comply with the general radiated emission limits in Secs. 15.109 that are applicable to the incorporated digital device.

• FCC Rules and Regulations 47 CFR Part 15, Subpart C, Secs. 15.109:

(g) As an alternative to the radiated emission limits shown in paragraphs (a) and (b) of this section, digital devices may be shown to comply with the standards contained in the Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22, "Information Technology Equipment—Radio Disturbance Characteristics—Limits and Methods of Measurement" (incorporated by reference, see § 15.38). In addition:

(2) If, in accordance with § 15.33 of this part, measurements must be performed above 1000 MHz, compliance above 1000 MHz shall be demonstrated with the emission limit in paragraph (a) or (b) of this section, as appropriate. Measurements above 1000 MHz may be performed at the distance specified in the CISPR 22 publications for measurements below 1000 MHz provided the limits in paragraphs (a) and (b) of this section are extrapolated to the new measurement distance using an inverse linear distance extrapolation factor (20 dB/decade), e.g., the radiated limit above 1000 MHz for a Class B digital device is 150 µV/m, as measured at a distance of 10 meters.

Frequency range (MHz)	Class A limits		Class B limits	
	AVG Limit for 3 m (1) (dB μ V/m)	PK Limit for 3 m (1,2) (dB μ V/m)	AVG Limit for 3 m (1) (dB μ V/m)	PK Limit for 3 m (1,2) (dB μ V/m)
1000 - 3000	60	80	54	74
3000 - 6000	60	80	54	74
6000 - 40000 ⁽³⁾	60	80	54	74

- Limits are specified by FCC at a distance of 10m and extrapolated here for 3m by adding inverse linear distance (1/d) proportionality factor of 20dB/decade, used per §15.31(f)(1)
- Frequencies above 1 GHz, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test, as per §15.35(b)
- According with the CISPR 22 (third Edition) There are no limits in the frequency range of 6 - 40 GHz, so expand the frequency range beyond 6GHz using the same limits.

• **FCC Rules and Regulations 47 CFR Part 15, Subpart C, Secs. 15.205:**

- (1) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

(MHz)	(MHz)	(MHz)	(GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	⁽²⁾
13.36-13.41			

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

² Above 38.6

CANADA RSS-247 Issue 4 (July 2025):

2.4 RSS-Gen compliance

Equipment being certified under this standard shall also comply with the general requirements set out in Radio Standards Specification RSS-Gen, General Requirements for Compliance of Radio Apparatus. Where contradictions exist between this standard and RSS-Gen, this standard shall take precedence.

CANADA RSS-Gen Issue 5 (April 2018):

8.9 Transmitter emission limits:

Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 5 and table 6. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

General field strength limits at frequencies above 30 MHz

Frequency Range (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

General field strength limits at frequencies below 30 MHz

Frequency Range (MHz)	Field strength (µA/m)	Field strength (dBµA/m)	Measurement distance (m)
0.009-0.490 ⁽¹⁾	6.37/F(kHz)	-	300
0.490-1.705	63.7/F(kHz)	-	30
1.705 - 30.0	0.08	-	30

- The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

RSS-Gen Issue 5, Secs 8.10:

Restricted frequency bands, identified in table 7, are designated primarily for safety-of-life services (distress calling and certain aeronautical activities), certain satellite downlinks, radio astronomy and some government uses.

- c) Unwanted emissions that do not fall within the restricted frequency bands listed in table 7 shall comply either with the limits specified in the applicable RSS or with those specified in table 5 and table 6.

Table 7 – Restricted frequency bands

(MHz)	(MHz)	(MHz)	(GHz)
0.090-0.110	16.42-16.423	1435-1626.5	13.25-13.4
0.495-0.505	16.69475-16.69525	1645.5-1646.5	14.47-14.5
2.1735-2.1905	16.80425-16.80475	1660-1710	15.35-16.2
3.020 - 3.026	25.5-25.67	1718.8-1722.2	17.7-21.4
4.125-4.128	37.5-38.25	2200-2300	22.01-23.12
4.17725-4.17775	73-74.6	2310-2390	23.6-24.0
4.20725-4.20775	74.8-75.2	2483.5-2500	31.2-31.8
5.677 - 5.683	108-121.94	2655-2900	36.43-36.5
6.215-6.218	123-138	3260-3267	Above 38.6
6.26775-6.26825	149.9-150.05	3332-3339	
6.31175-6.31225	156.52475-156.52525	3345.8-3358	
8.291-8.294	156.7-156.9	3500-4400	
8.362-8.366	162.0125-167.17	4.5-5.15	
8.37625-8.38675	167.72-173.2	5.35-5.46	
8.41425-8.41475	240-285	7.25-7.75	
12.29-12.293	322-335.4	8.025-8.5	
12.51975-12.52025	399.9-410	9.0-9.2	
12.57675-12.57725	608-614	9.3-9.5	
13.36-13.41	960-1427	10.6-12.7	

Frequency range 9KHz – 30 MHz

No radiofrequency signal generated in the device was found below 10° sub-harmonic, no further investigation required.

Frequency range 30 MHz – 1000 MHz

The spurious emissions below 1 GHz do not depend on the operating channel and mode selected in the EUT.

The results in the following plots and tables show the maximum measured levels in the 30-1000 MHz range.

Frequency range 1000 MHz – 18000 MHz

The below modes and data rates for testing were identified as the worst-case configurations based on the conducted output power test results:

- 802.11 n HT20: (MCS 0) (UNI-1)
- 802.11 n HT40: (MCS 0) (UNI-1)
- 802.11 ac VHT20: (MCS 0) (UNI-3)
- 802.11 ac VHT40: (MCS 0) (UNI-3)
- 802.11 ac VHT80: (MCS 0) (UNI-1 & 3)

Modulation: 802.11n HT20 (OFDM MCS0)

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[5150, 5850]	1	[0.03, 1]	5180.00000	37.711500	6.0	V	QPK+
				108.909500	1.2	H	QPK+
				115.602500	2.6	H	QPK+
				130.055500	2.8	H	QPK+
				137.573000	2.6	V	QPK+
				405.584000	11.8	H	QPK+
		[1, 18]	5180.00000	15996.167	37.10	H	AVG
				1812.000	50.06	V	AVG
				5185.500	88.80	H	AVG
			5200.00000	16119.000	37.60	V	AVG
				1812.000	50.16	V	AVG
				5205.000	88.60	H	AVG
			5240.00000	12003.167	38.20	V	AVG
				11994.917	36.90	H	AVG
				1687.500	43.60	V	AVG
				1812.000	50.11	H	AVG
				5184.000	87.80	H	AVG
				5235.000	88.70	H	AVG
		[18, 40]	5180.00000	21341.250	30.93	H	AVG
				21352.250	41.48	H	PK
				22763.688	41.20	H	PK
				22856.500	31.03	V	AVG
			5200.00000	31433.750	44.79	V	PK

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBμV/m)	Pol	Detector
				31605.625	34.13	V	AVG
				39099.375	49.14	V	PK
				39687.875	37.91	H	AVG
			5240.00000	21330.250	41.50	H	PK
				21352.938	30.74	H	AVG
				22125.688	31.01	V	AVG
				22813.875	41.51	V	PK
				31424.812	33.50	H	AVG
				31494.250	44.55	V	PK
				39085.625	38.30	V	AVG
				39091.812	48.21	V	PK

Verdict

Pass

Attachments

Operation Band MHz = [5150, 5850]

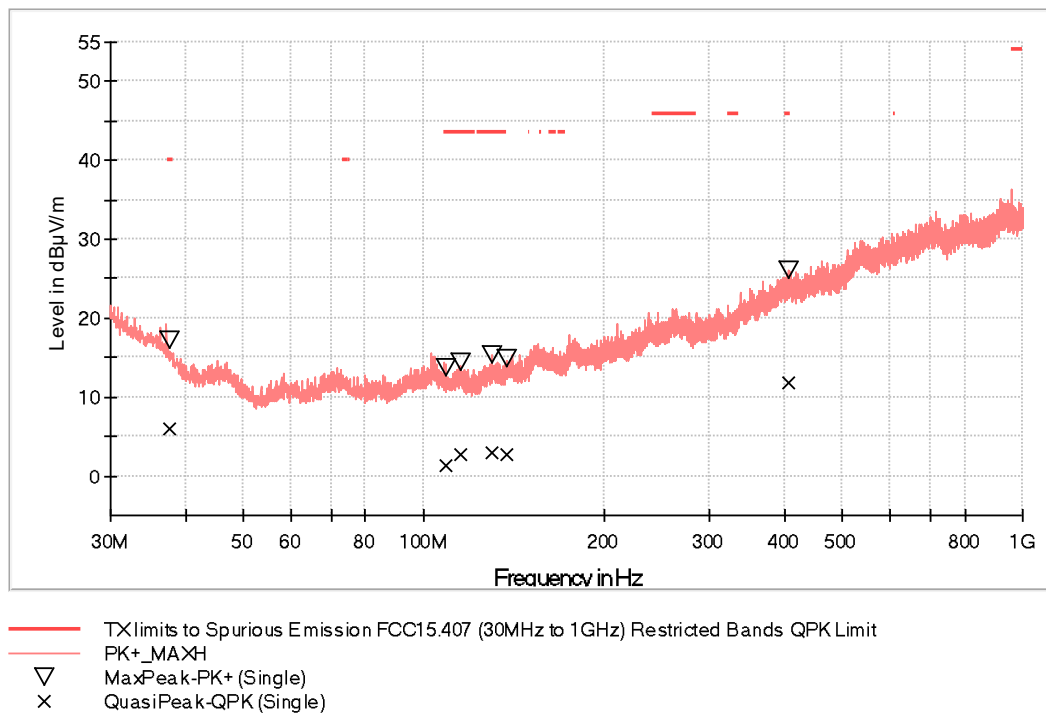
Frequency Range GHz = [0.03, 1]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 5180.00000

Active Port = 1

Modulation = 802.11n HT20 (OFDM MCS0)



Operation Band MHz = [5150, 5850]

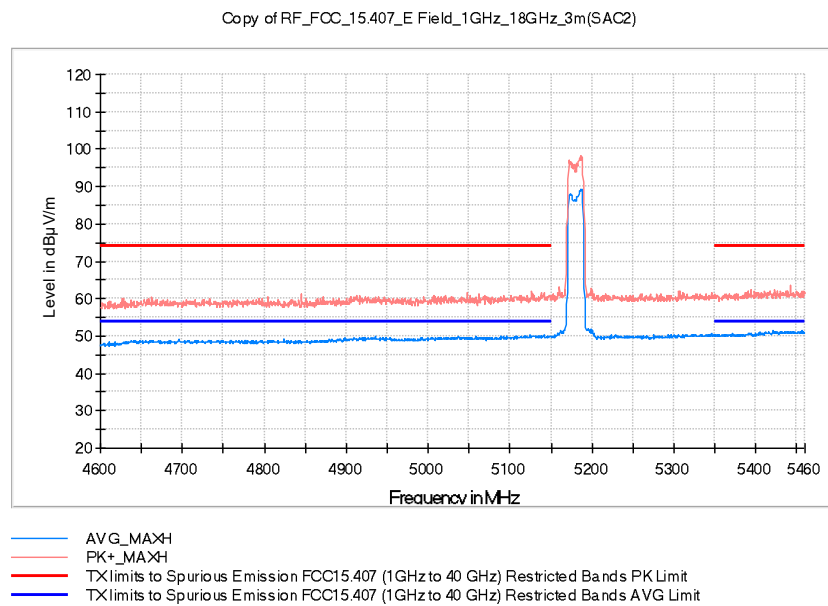
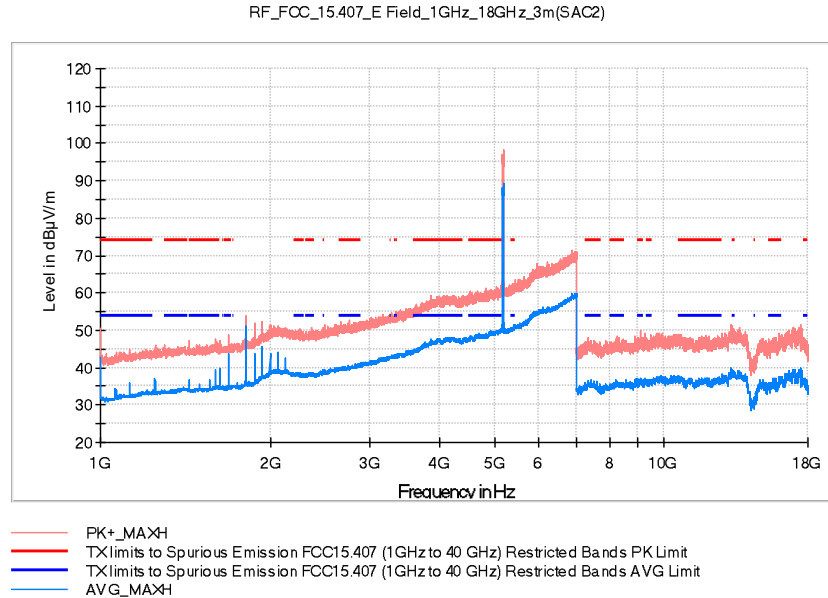
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5180.00000

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

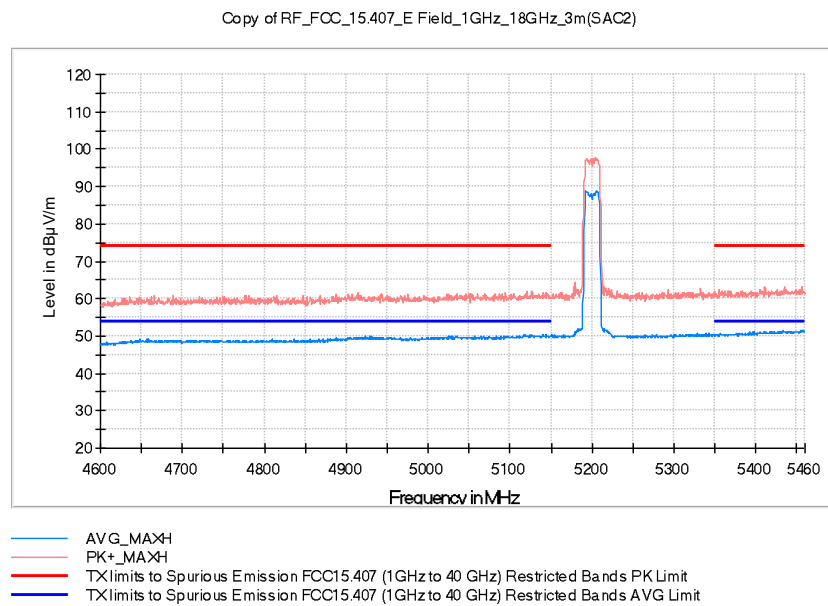
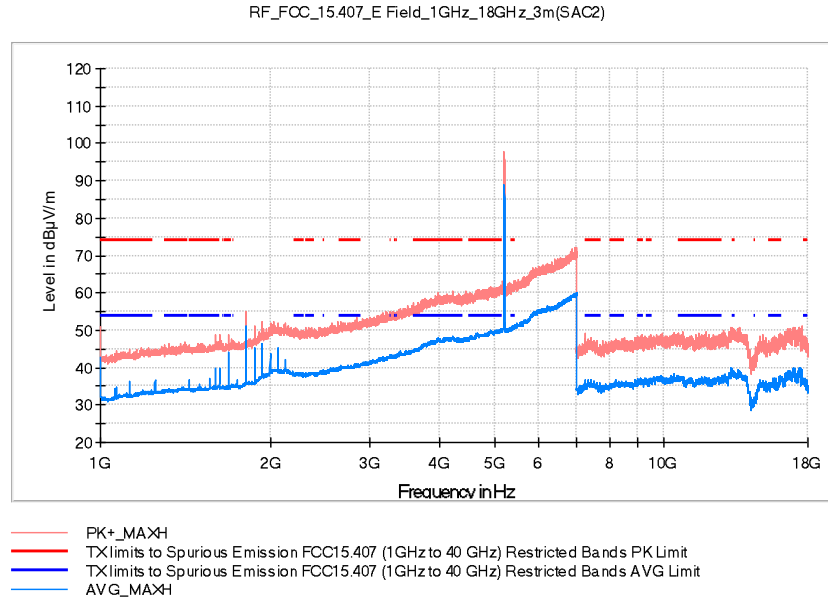
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5200.00000

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

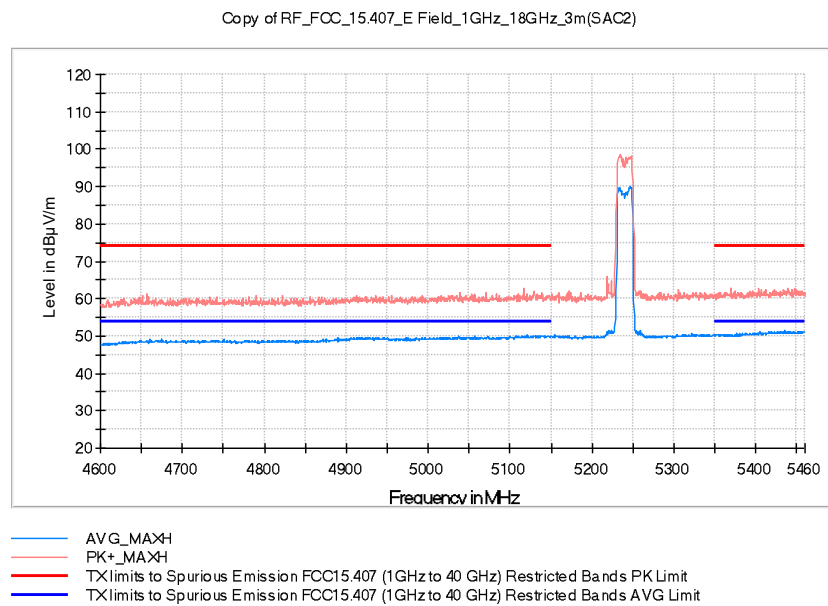
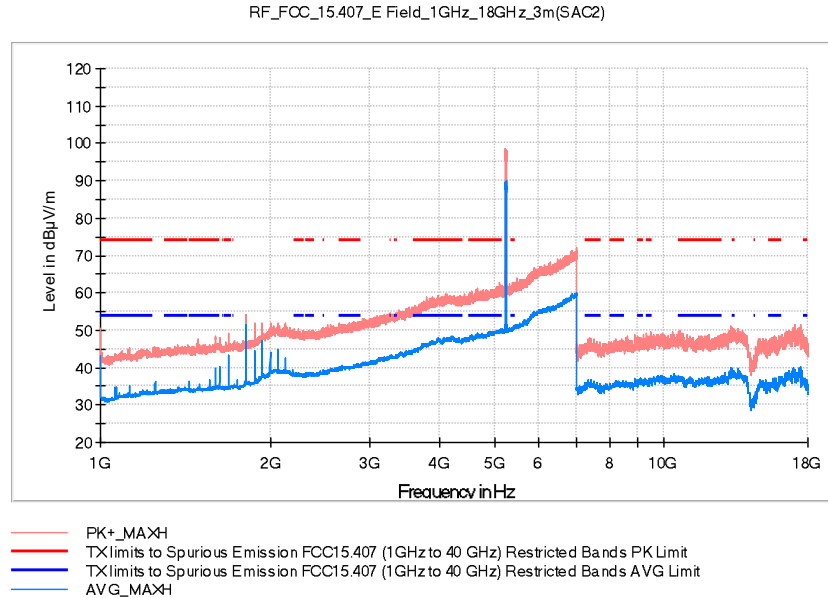
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5240.00000

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

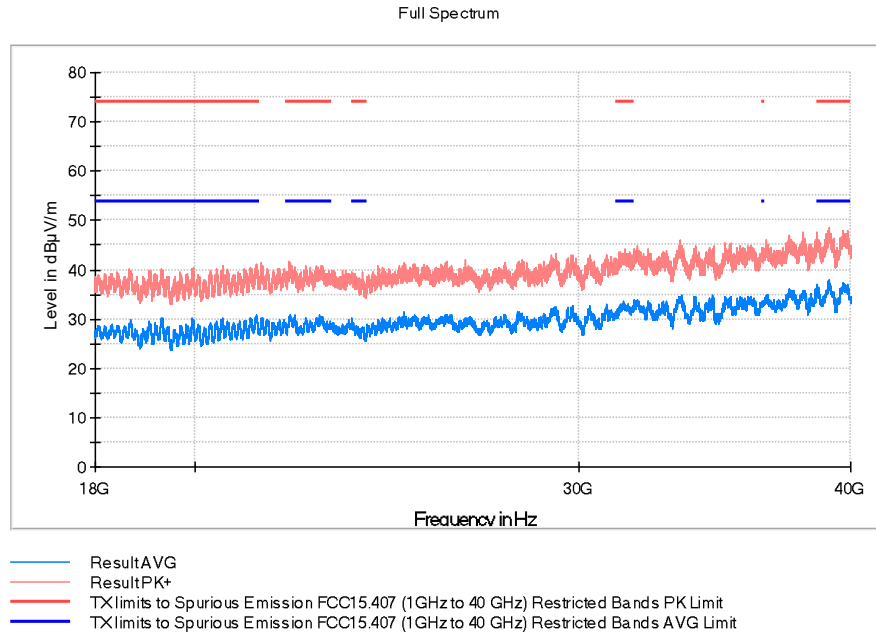
Active Port = 1

Frequency Range GHz = [18, 40]

Frequency MHz = 5180.00000

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

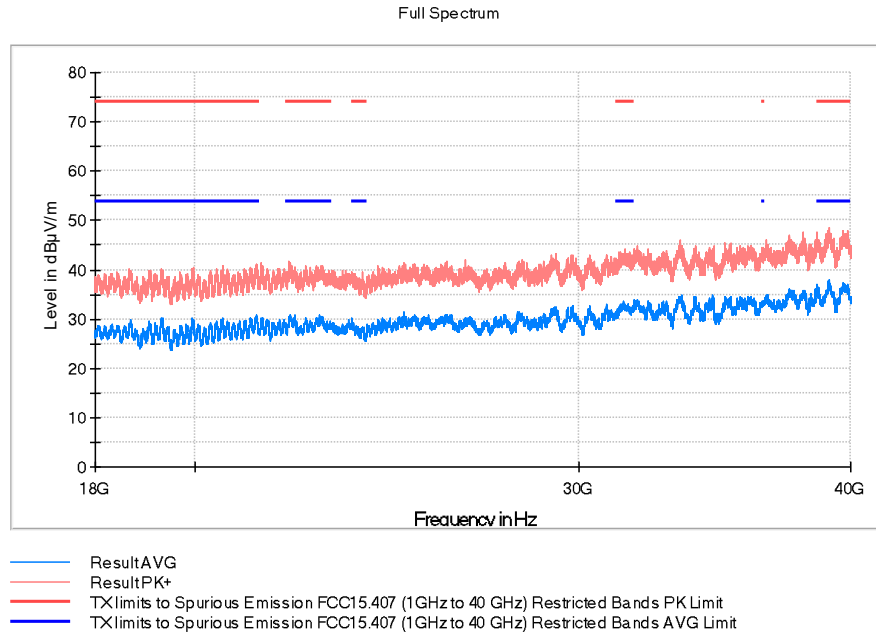
Active Port = 1

Frequency Range GHz = [18, 40]

Frequency MHz = 5200.00000

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

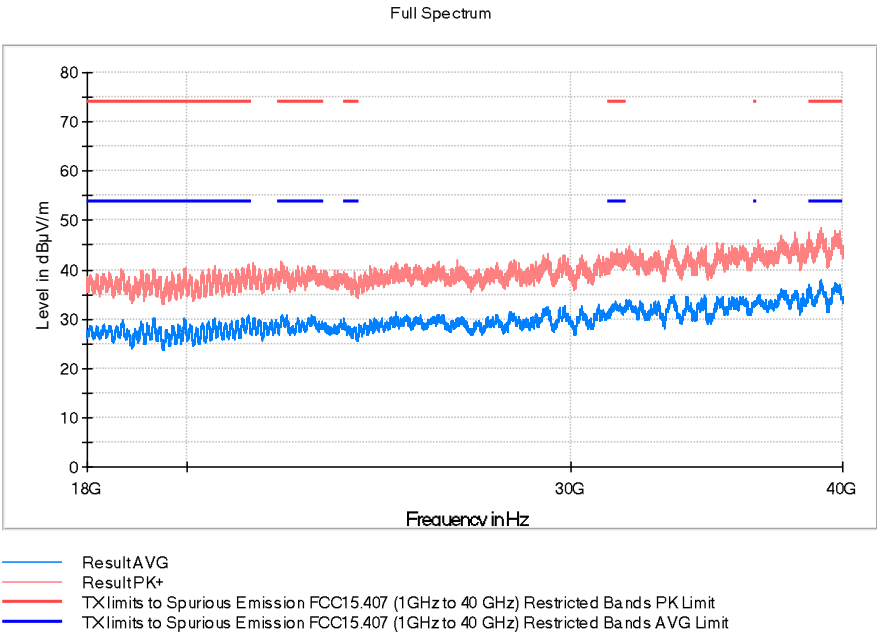
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]Active Port = 1

Frequency Range GHz = [18, 40]Frequency MHz = 5240.00000

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:
Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Modulation: 802.11n HT40 (OFDM MCS0)

Results

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[5150, 5850]	1	[1, 18]	5190.00000	1812.000	50.16	V	AVG
				5184.000	87.8	H	AVG
				12003.166	38.2	V	AVG
			5230.00000	11999.500	37.90	V	AVG
				1812.000	50.46	V	AVG
				5233.000	82.50	V	AVG
		[18, 40]	5190.00000	21341.938	30.82	H	AVG
				21346.062	42.16	H	PK
				22122.250	41.53	H	PK
				22122.938	30.99	V	AVG
				31451.625	33.45	V	AVG
				31470.188	44.08	H	PK
				39087.688	37.71	H	AVG
				39100.062	48.18	V	PK
			5230.00000	21330.938	41.14	V	PK
				21330.938	30.73	V	AVG
				22096.125	41.56	V	PK
				22827.625	30.88	V	AVG
				31446.812	33.51	H	AVG
				31514.188	44.20	H	PK
				39081.500	37.87	V	AVG
				39090.438	48.51	H	PK

Verdict

Pass

Operation Band MHz = [5150, 5850]

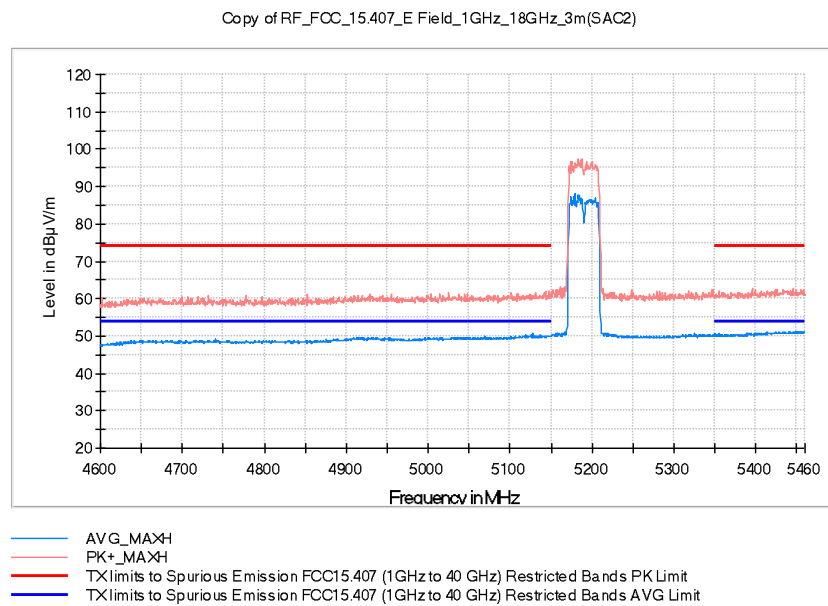
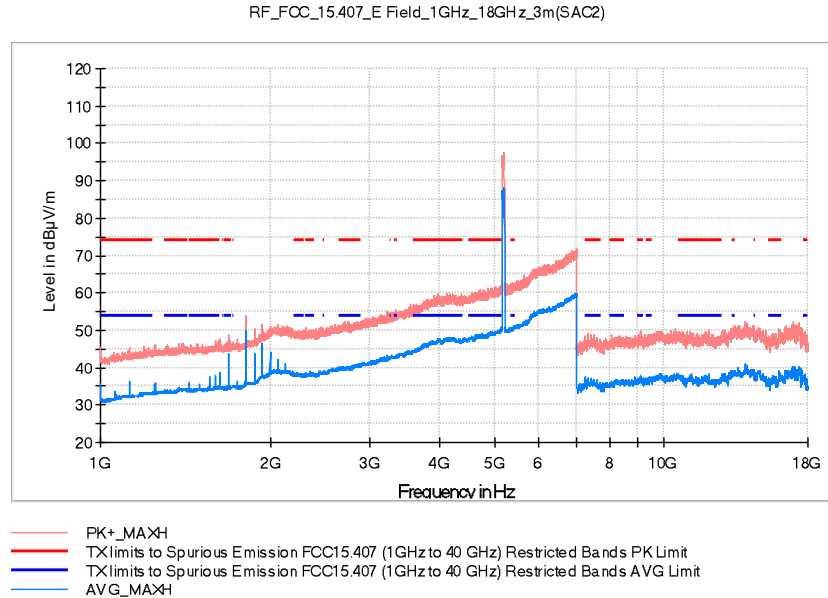
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5190.00000

Modulation = 802.11n HT40 (OFDM MCS0)

Images:



Attachments

Operation Band MHz = [5150, 5850]

Active Port = 1

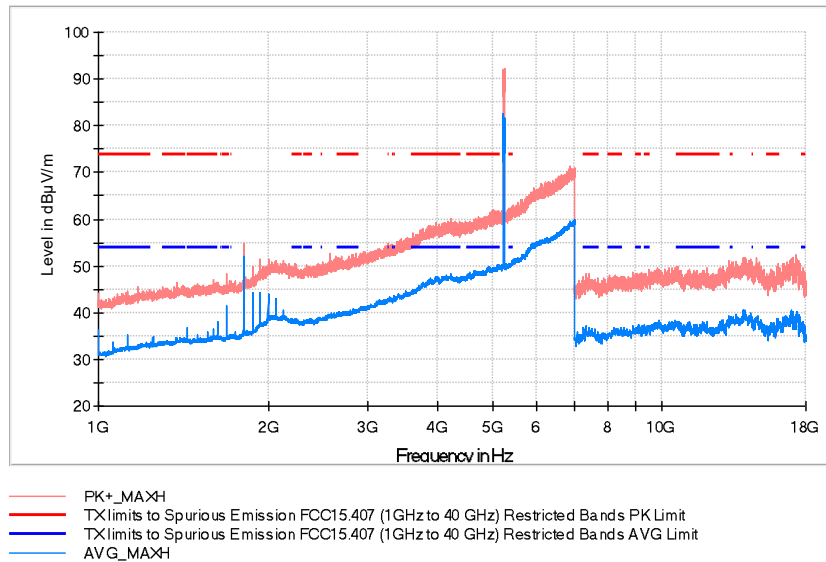
Frequency Range GHz = [1, 18]

Frequency MHz = 5230.00000

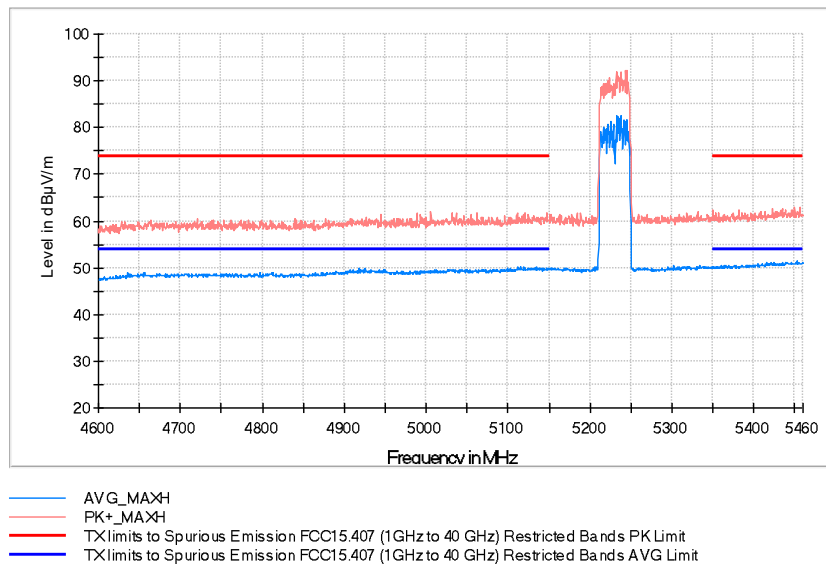
Modulation = 802.11n HT40 (OFDM MCS0)

Images:

RF_FCC_15.407_E Field_1GHz_18GHz_3m(SAC2)



Copy of RF_FCC_15.407_E Field_1GHz_18GHz_3m(SAC2)



Operation Band MHz = [5150, 5850]

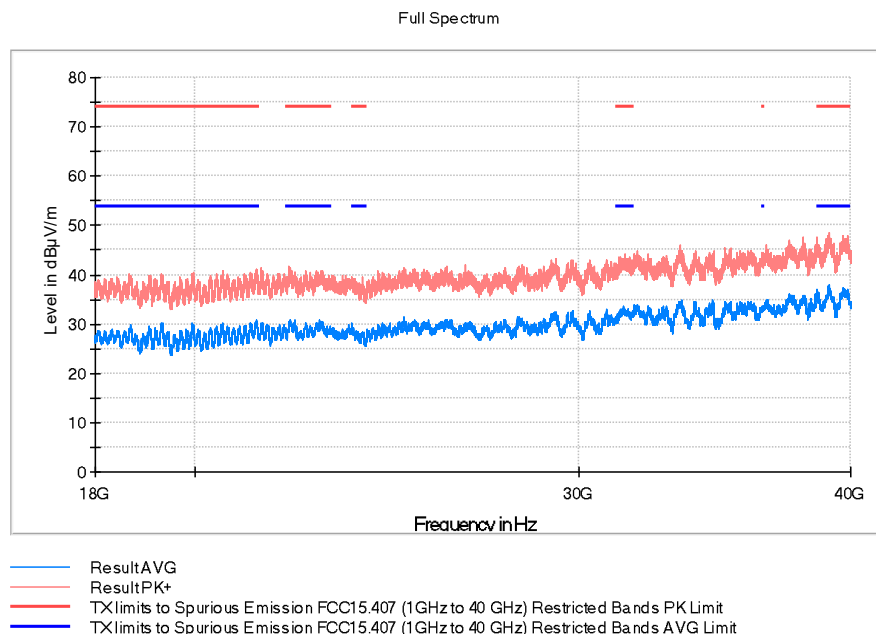
Active Port = 1

Frequency Range GHz = [18, 40]

Frequency MHz = 5190.00000

Modulation = 802.11n HT40 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

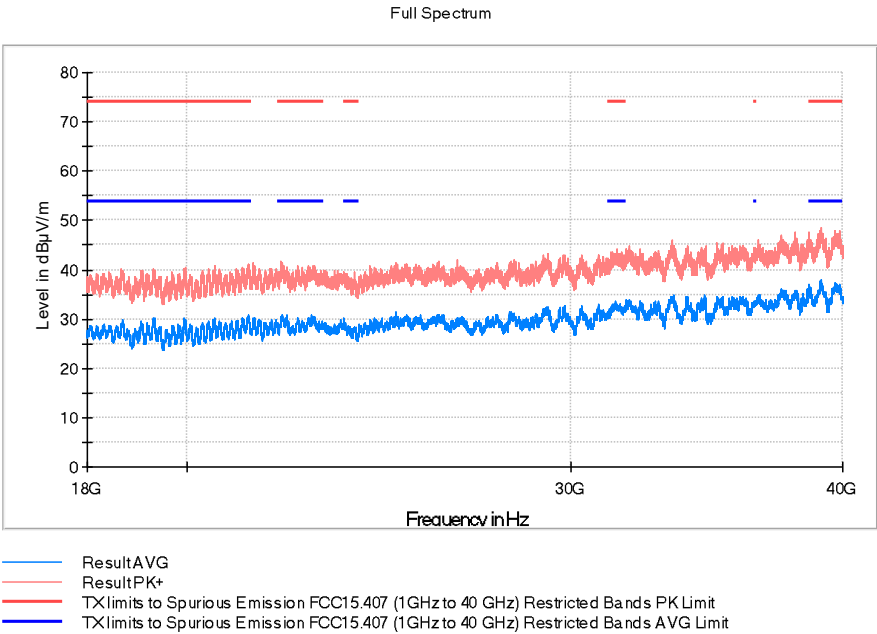
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]Active Port = 1

Frequency Range GHz = [18, 40]Frequency MHz = 5230.00000

Modulation = 802.11n HT40 (OFDM MCS0)

Images:



Tables:
Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Modulation: 802.11ac VHT20 (OFDM MCS0)

Results

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBμV/m)	Pol	Detector
[5150, 5850]	1	[1, 18]	5745.00000	11991.250	38.00	H	AVG
				1812.500	49.25	H	AVG
				3830.000	51.24	V	AVG
				5751.000	84.40	H	AVG
			5785.00000	11906.917	37.80	H	AVG
				3856.500	50.80	H	AVG
				1812.500	49.95	H	AVG
				5777.000	84.70	H	AVG
		5825.00000	5825.00000	11989.417	37.70	V	AVG
				1812.500	50.25	H	AVG
				3883.000	50.70	H	AVG
				5818.000	83.80	V	AVG
		[18, 40]	5745.00000	21330.938	41.14	H	AVG
				21330.938	30.73	H	AVG
			5785.00000	22096.125	41.56	V	AVG
				22827.625	30.88	V	AVG
			5825.00000	31446.812	33.51	H	AVG
				31514.188	44.20	V	AVG

Verdict

Pass

Attachments

Operation Band MHz = [5150, 5850]

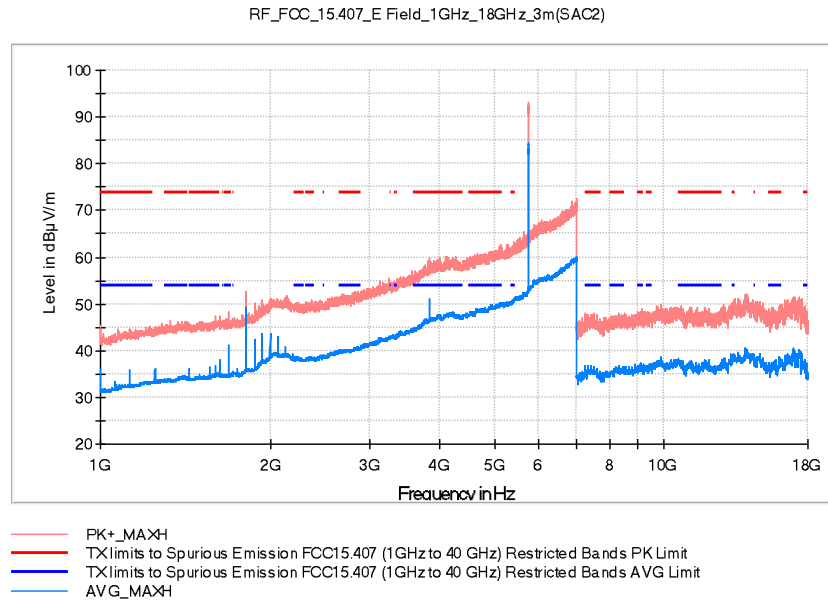
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5745.00000

Modulation = 802.11ac VHT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

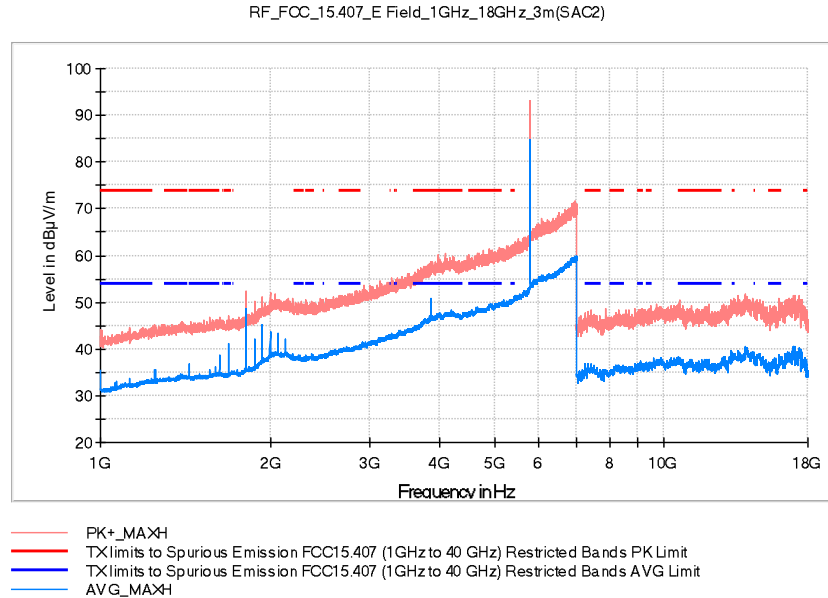
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5785.00000

Modulation = 802.11ac VHT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

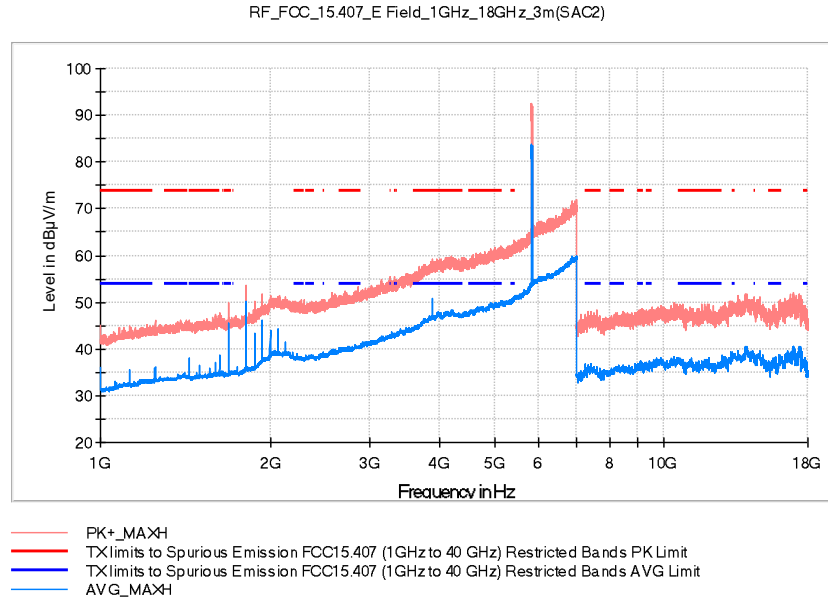
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5825.00000

Modulation = 802.11ac VHT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

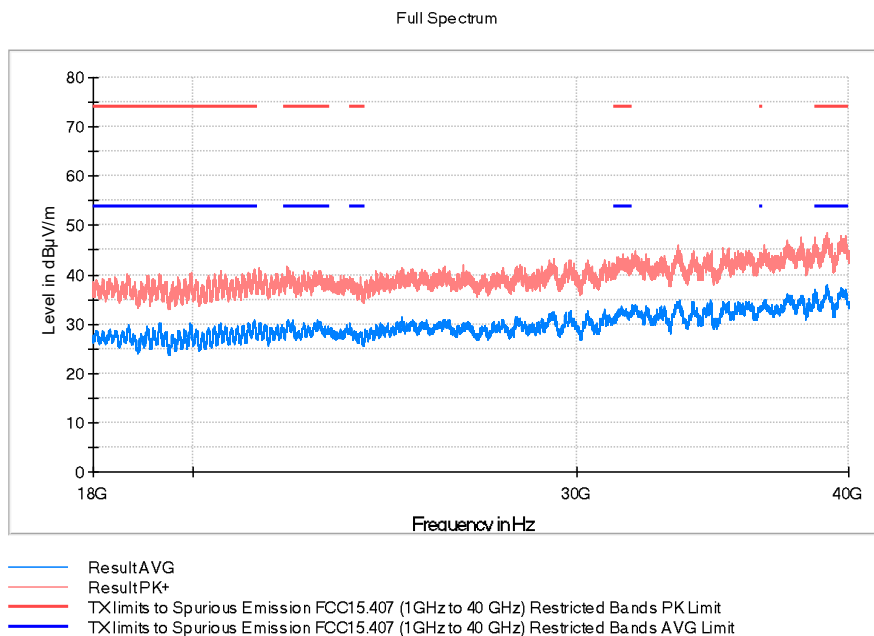
Active Port = 1

Frequency Range GHz = [18, 40]

Frequency MHz = 5745.00000

Modulation = 802.11ac VHT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

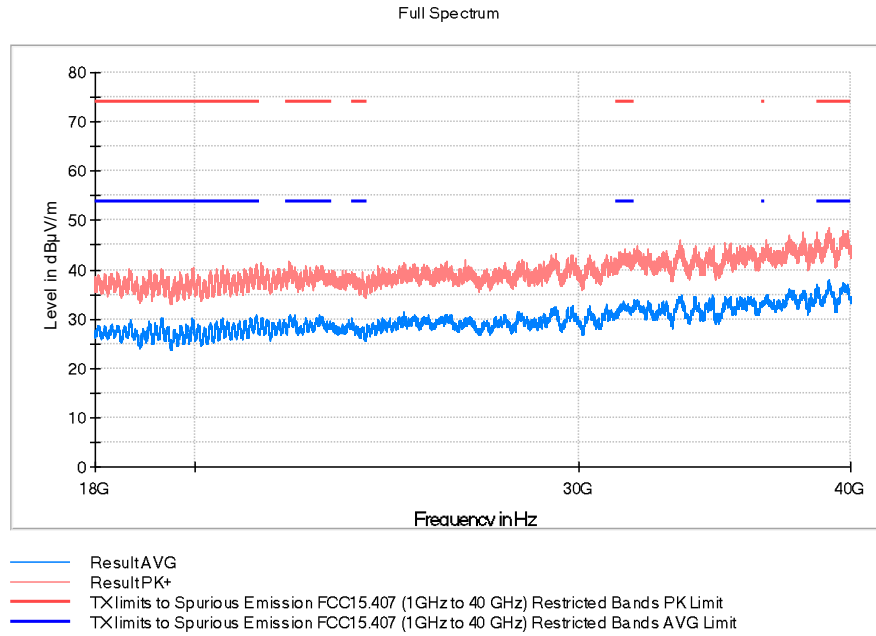
Active Port = 1

Frequency Range GHz = [18, 40]

Frequency MHz = 5785.00000

Modulation = 802.11ac VHT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

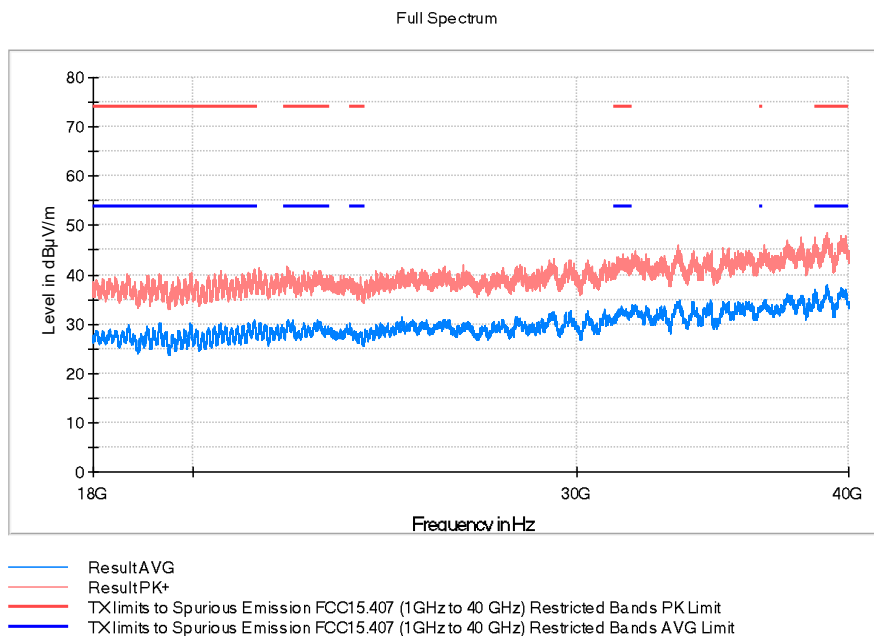
Active Port = 1

Frequency Range GHz = [18, 40]

Frequency MHz = 5825.00000

Modulation = 802.11ac VHT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Modulation: 802.11ac VHT40 (OFDM MCS0)

Results

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBμV/m)	Pol	Detector
[5150, 5850]	1	[1, 18]	5755.00000	11995.833	38.30	V	AVG
				1812.500	50.40	V	AVG
				3836.500	49.60	H	AVG
				5743.000	81.50	V	AVG
			5795.00000	16031.917	38.90	V	AVG
				1812.500	50.30	V	AVG
				3863.500	49.90	H	AVG
				5781.000	83.70	H	AVG
		[18, 40]	5755.00000	21341.938	30.82	H	AVG
				21346.062	42.16	H	PK
			5795.00000	22122.250	41.53	H	PK
				22122.938	30.99	V	AVG

Verdict

Pass

Attachments

Operation Band MHz = [5150, 5850]

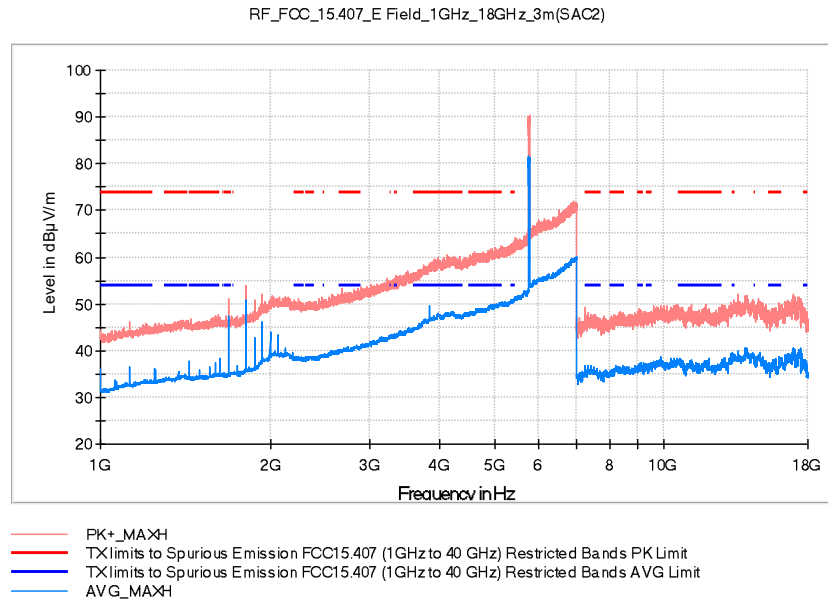
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5755.00000

Modulation = 802.11ac VHT40 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

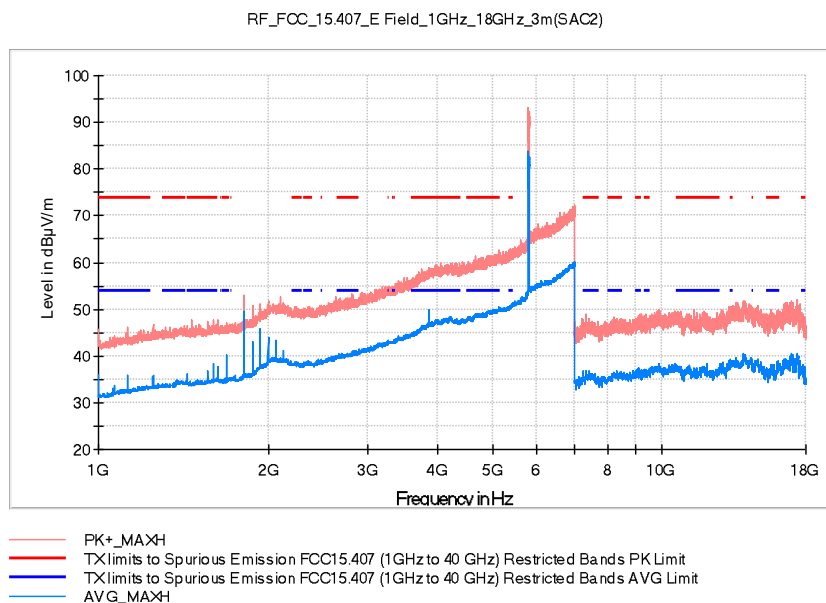
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5795.00000

Modulation = 802.11ac VHT40 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

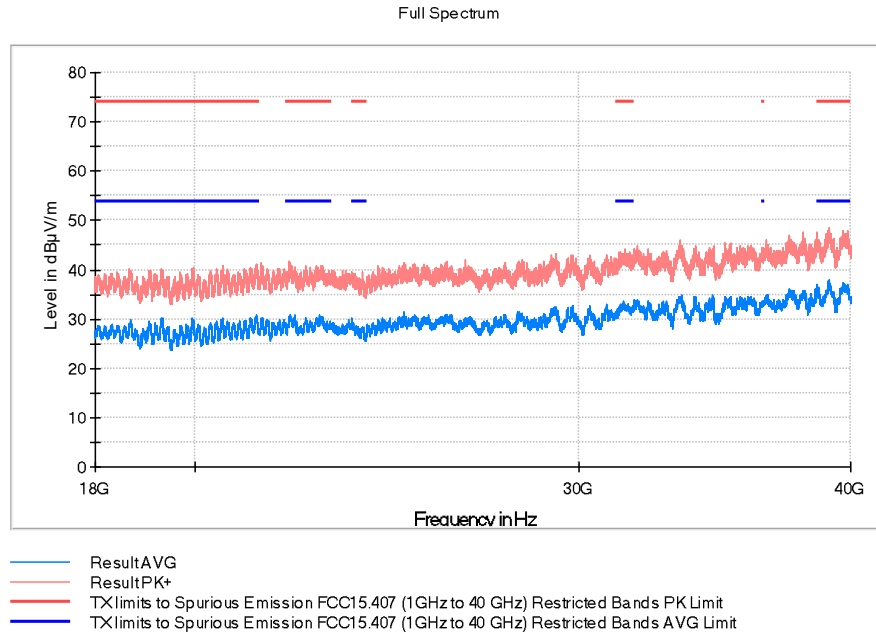
Active Port = 1

Frequency Range GHz = [18, 40]

Frequency MHz = 5755.00000

Modulation = 802.11ac VHT40 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

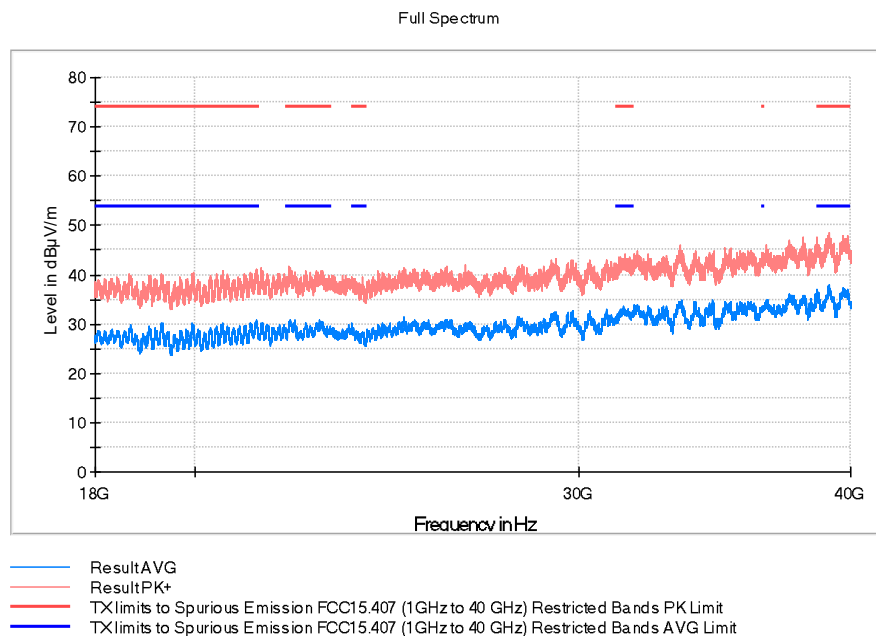
Active Port = 1

Frequency Range GHz = [18, 40]

Frequency MHz = 5795.00000

Modulation = 802.11ac VHT40 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Modulation: 802.11ac VHT80 (OFDM MCS0)

Results

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	PoI	Detector
[5150, 5850]	1	[1, 18]	5210.00000	11991.250	38.00	H	AVG
				1812.000	51.20	V	AVG
				5218.500	80.10	H	AVG
			5775.00000	11150.667	38.20	V	AVG
				1812.500	50.10	V	AVG
				5812.000	80.50	V	AVG
		[18, 40]	5210.00000	21337.125	31.02	H	AVG
				21338.500	41.41	V	PK
				22120.188	30.83	H	AVG
				22232.250	42.35	H	PK
			5775.00000	31418.625	44.41	H	PK
				31587.062	33.23	V	AVG
				39025.125	48.35	V	PK
				39076.000	37.81	V	AVG

Verdict

Pass

Attachments

Operation Band MHz = [5150, 5850]

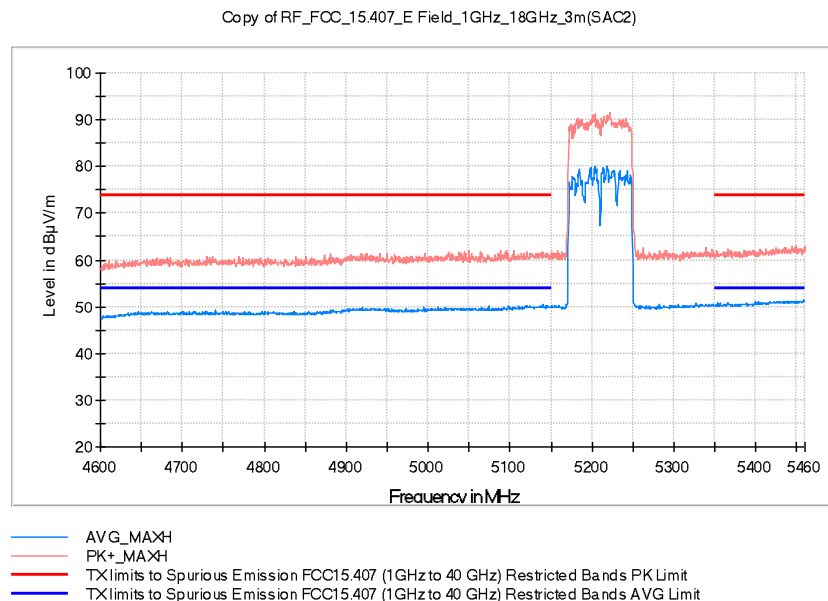
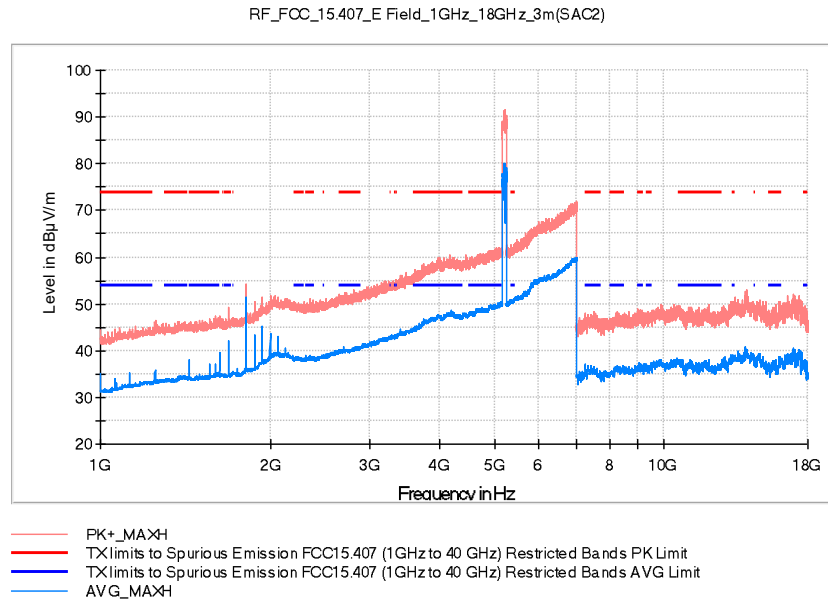
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5210.00000

Modulation = 802.11ac VHT80 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

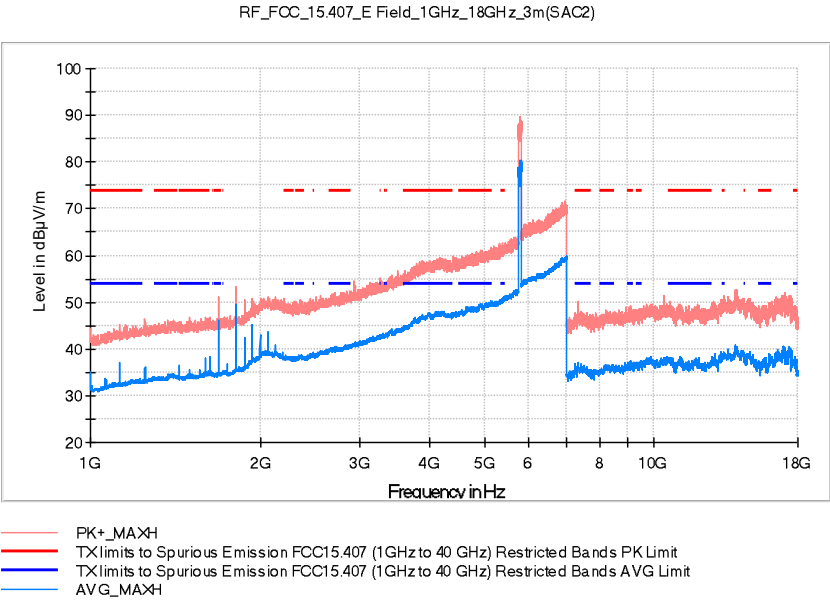
Active Port = 1

Frequency Range GHz = [1, 18]

Frequency MHz = 5775.00000

Modulation = 802.11ac VHT80 (OFDM MCS0)

Images:



Tables:
Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 7 GHz	500 kHz	PK+ ; AVG	1 MHz	1 s	20 dB
7 GHz - 18 GHz	916.667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Operation Band MHz = [5150, 5850]

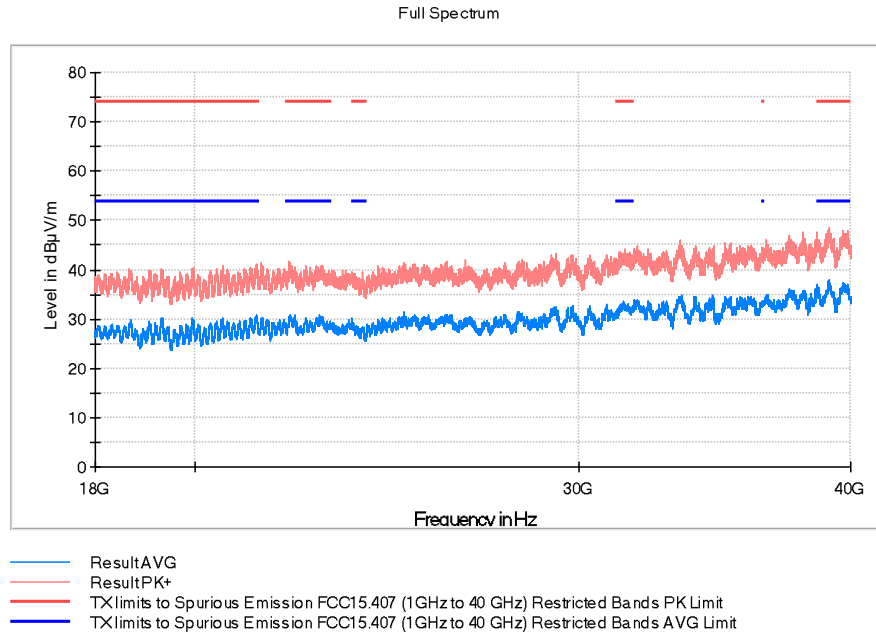
Active Port = 1

Frequency Range GHz = [18, 40]

Frequency MHz = 5190.00000

Modulation = 802.11ac VHT80 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 40 GHz	687.5 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

RSS-247 6.2.4.2 / FCC 15.407 (b) (4) [Bndedge] Transmitter Band Edge Radiated Emissions

Limits

USA FCC Part 15.407 :

FCC 15.407 (b)

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

CANADA RSS-247 Issue 4 (July 2025):

7.3.1.3 Unwanted emission limits (Frequency band 5150-5250 MHz)

For transmitters with operating frequencies in the band 5150-5250 MHz:

- a. all emissions outside the 5150-5350 MHz band shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density

7.3.2.3 Unwanted emission limits (Frequency band 5250-5350 MHz)

Devices shall comply with the following:

- a. all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz peak e.i.r.p spectral density.

7.3.3.3 Unwanted emission limits (Frequency band 5470-5725 MHz)

- a. For devices with fundamental emissions fully contained within the 5470-5725 MHz band, all unwanted emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density.
- b. for devices with bandwidth overlapping the band edge of 5725 MHz, all unwanted emissions shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density at 5850 MHz instead of 5725 MHz.

7.3.4.3 Unwanted emission limits (Frequency band 5725-5850 MHz)

Equipment operating in the band 5725-5850 MHz shall comply with the following peak e.i.r.p. spectral density limits:

- a. 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
- b. 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.
- c. 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; and
- d. -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

Note: For ISSED, the Band-Edge Emissions are complying with the 7.3.1.2 power limits.

Modulation: 802.11n HT20 (OFDM MCS0)

Results

Operation Band (MHz)	Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
[5150, 5850]	1	5180.00000	5148.250000	-38.1
	1	5180.00000	5147.250000	-38.4
	1	5180.00000	5145.250000	-39.1
	1	5180.00000	5146.750000	-39.2
	1	5180.00000	5146.250000	-39.6
	1	5180.00000	5143.250000	-40.9
	1	5180.00000	5143.750000	-41.2
	1	5180.00000	5141.750000	-41.8
	1	5180.00000	5097.750000	-42.1
	1	5180.00000	5106.750000	-42.2
	1	5180.00000	5107.750000	-42.2
	1	5180.00000	5107.250000	-42.3
	1	5180.00000	5148.750000	-42.4
	1	5180.00000	5099.750000	-42.5
	1	5180.00000	5100.750000	-42.5
	1	5240.00000	5382.250000	-45.3
	1	5240.00000	5381.250000	-45.3
	1	5240.00000	5383.250000	-45.3
	1	5240.00000	5397.250000	-45.5
	1	5240.00000	5381.750000	-45.7
	1	5240.00000	5384.250000	-45.7
	1	5240.00000	5384.750000	-45.8
	1	5240.00000	5392.250000	-45.8
	1	5240.00000	5395.750000	-45.8
	1	5240.00000	5382.750000	-45.9
	1	5240.00000	5388.750000	-45.9
	1	5240.00000	5383.750000	-45.9
	1	5240.00000	5396.250000	-45.9
	1	5240.00000	5397.750000	-45.9
	1	5240.00000	5395.250000	-46.0
	1	5745.00000	5590.250000	-45.4
	1	5745.00000	5590.750000	-45.8
	1	5745.00000	5589.250000	-46.0
	1	5745.00000	5602.750000	-46.0
	1	5745.00000	5588.750000	-46.1
	1	5745.00000	5597.250000	-46.1
	1	5745.00000	5599.250000	-46.2
	1	5745.00000	5595.250000	-46.3
	1	5745.00000	5602.250000	-46.3

Operation Band (MHz)	Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
	1	5745.00000	5603.250000	-46.4
	1	5745.00000	5588.250000	-46.4
	1	5745.00000	5600.250000	-46.4
	1	5745.00000	5601.250000	-46.4
	1	5745.00000	5591.250000	-46.4
	1	5745.00000	5601.750000	-46.5
	1	5825.00000	5979.250000	-45.7
	1	5825.00000	5982.250000	-46.3
	1	5825.00000	5980.750000	-46.4
	1	5825.00000	5969.250000	-46.5
	1	5825.00000	5978.750000	-46.5
	1	5825.00000	5976.750000	-46.6
	1	5825.00000	5979.750000	-46.6
	1	5825.00000	5968.250000	-46.7
	1	5825.00000	5967.750000	-46.7
	1	5825.00000	5980.250000	-46.7
	1	5825.00000	5967.250000	-46.7
	1	5825.00000	5966.750000	-46.7
	1	5825.00000	5981.250000	-46.7
	1	5825.00000	5981.750000	-46.8
	1	5825.00000	5977.250000	-47.0

Verdict

Pass

Attachments

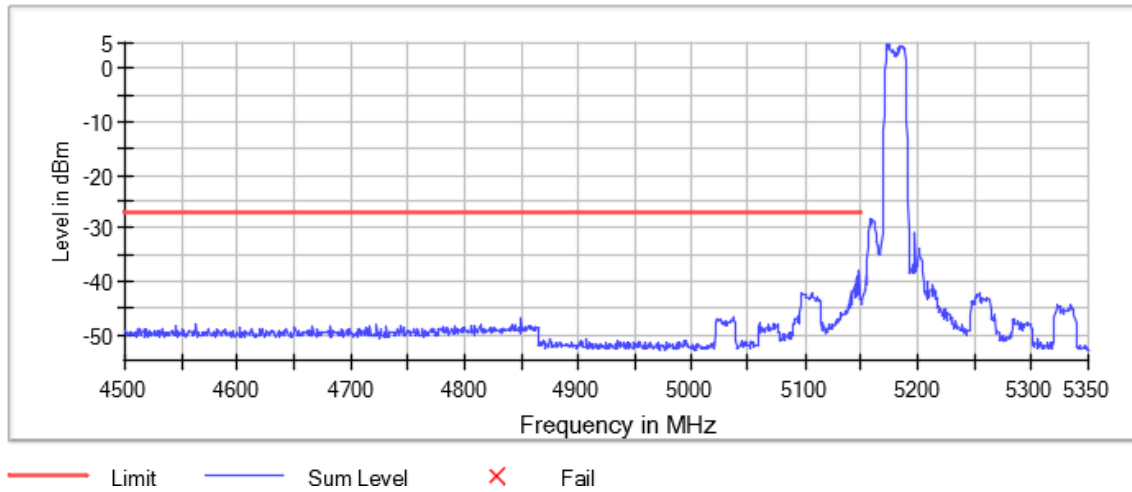
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000

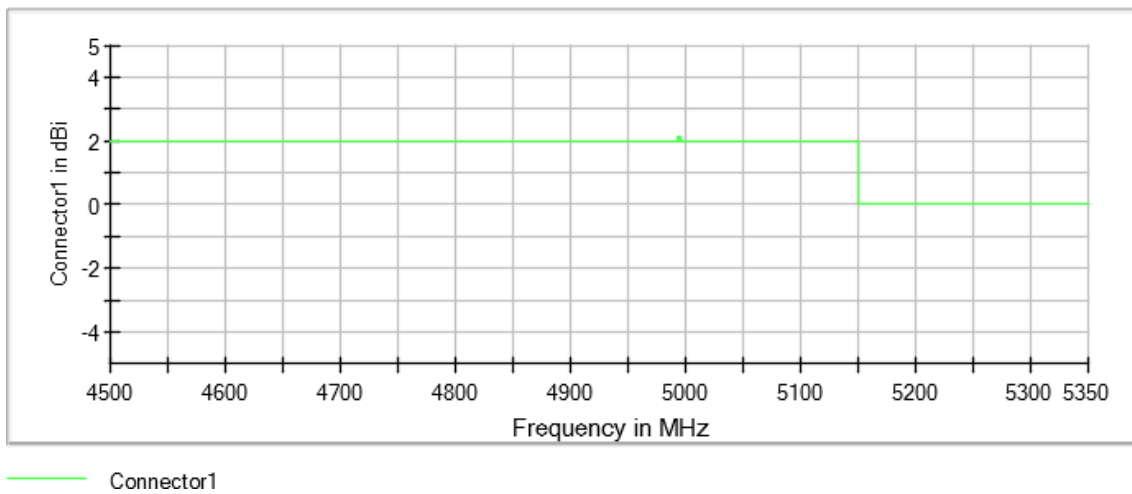
Modulation = 802.11n HT20 (OFDM MCS0)

Images:

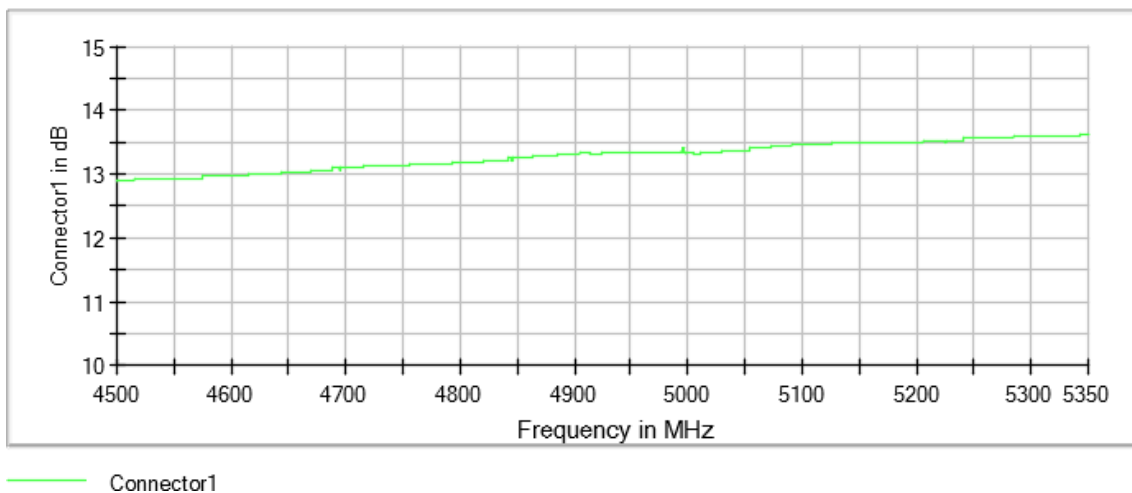
Band Edge

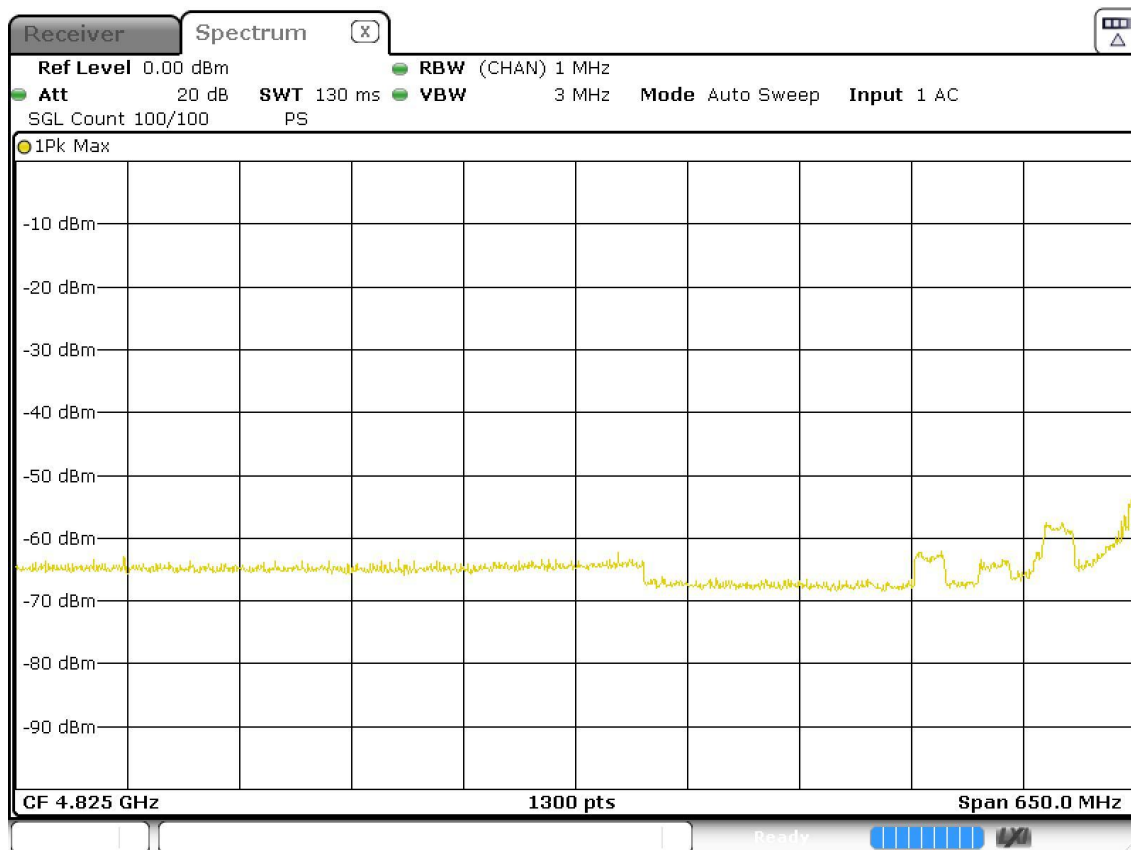


Gain

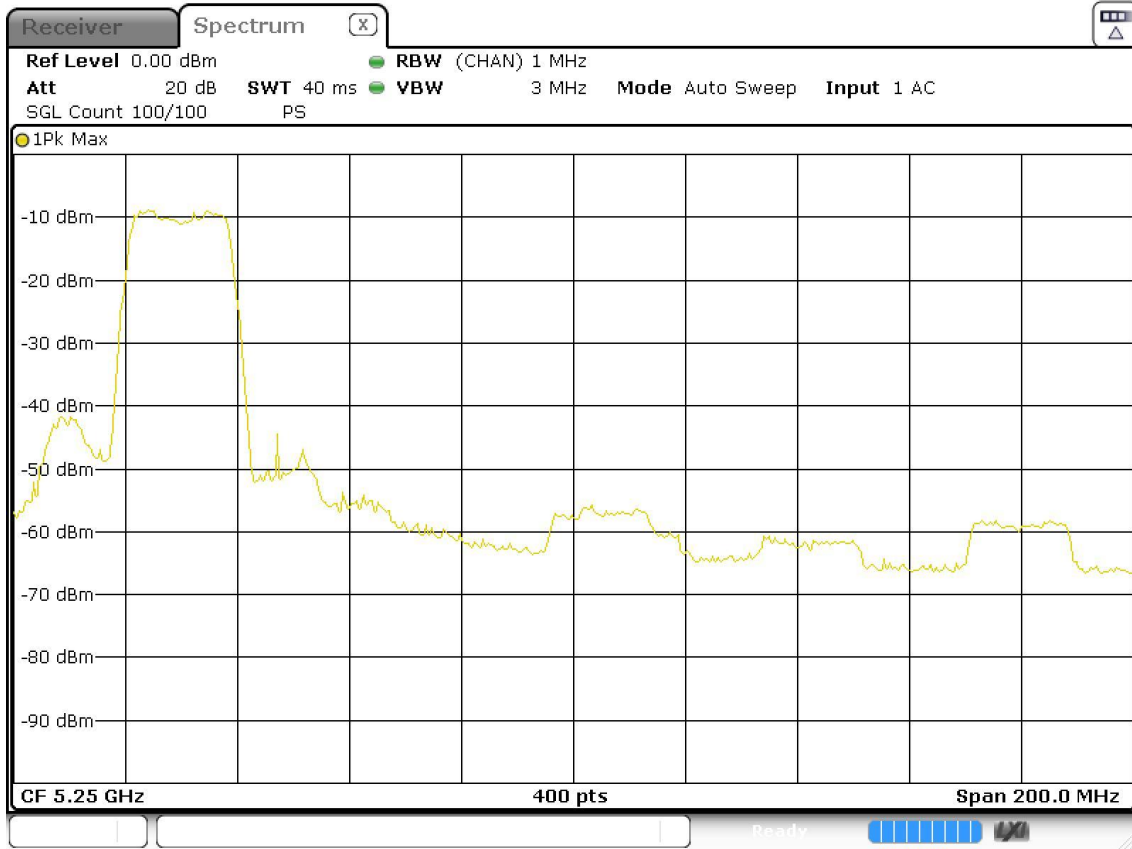


Attenuation





Date: 6.APR.2026 22:55:23



Date: 6.APR.2026 22:56:44

Tables:
Spectrum Analyzer Parameters

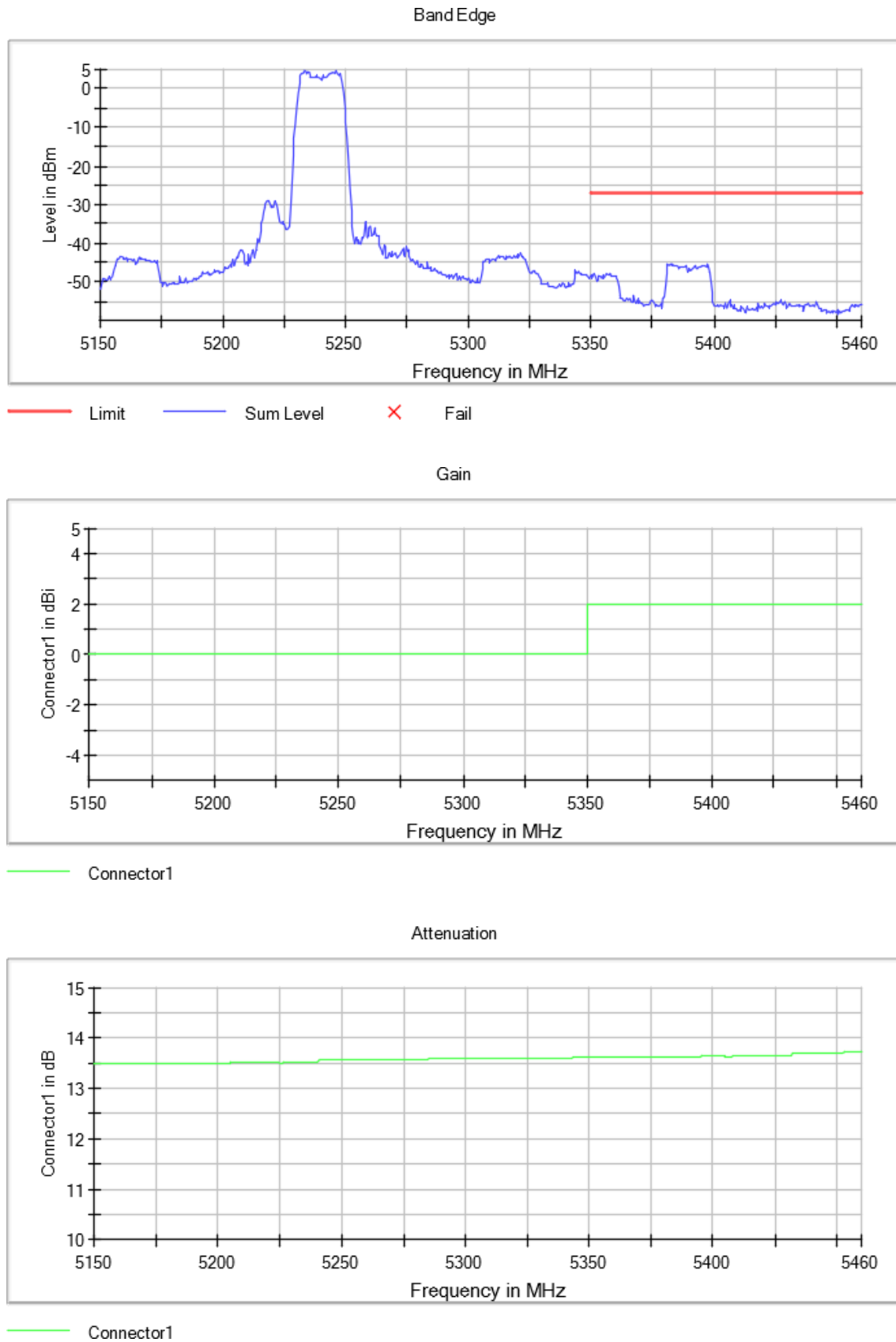
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.250000	-38.1	11.1	-27.0	PASS
5147.250000	-38.4	11.4	-27.0	PASS
5145.250000	-39.1	12.1	-27.0	PASS
5146.750000	-39.2	12.2	-27.0	PASS
5146.250000	-39.6	12.6	-27.0	PASS
5143.250000	-40.9	13.9	-27.0	PASS
5143.750000	-41.2	14.2	-27.0	PASS
5141.750000	-41.8	14.8	-27.0	PASS
5097.750000	-42.1	15.1	-27.0	PASS
5106.750000	-42.2	15.2	-27.0	PASS
5107.750000	-42.2	15.2	-27.0	PASS
5107.250000	-42.3	15.3	-27.0	PASS
5148.750000	-42.4	15.4	-27.0	PASS
5099.750000	-42.5	15.5	-27.0	PASS
5100.750000	-42.5	15.5	-27.0	PASS

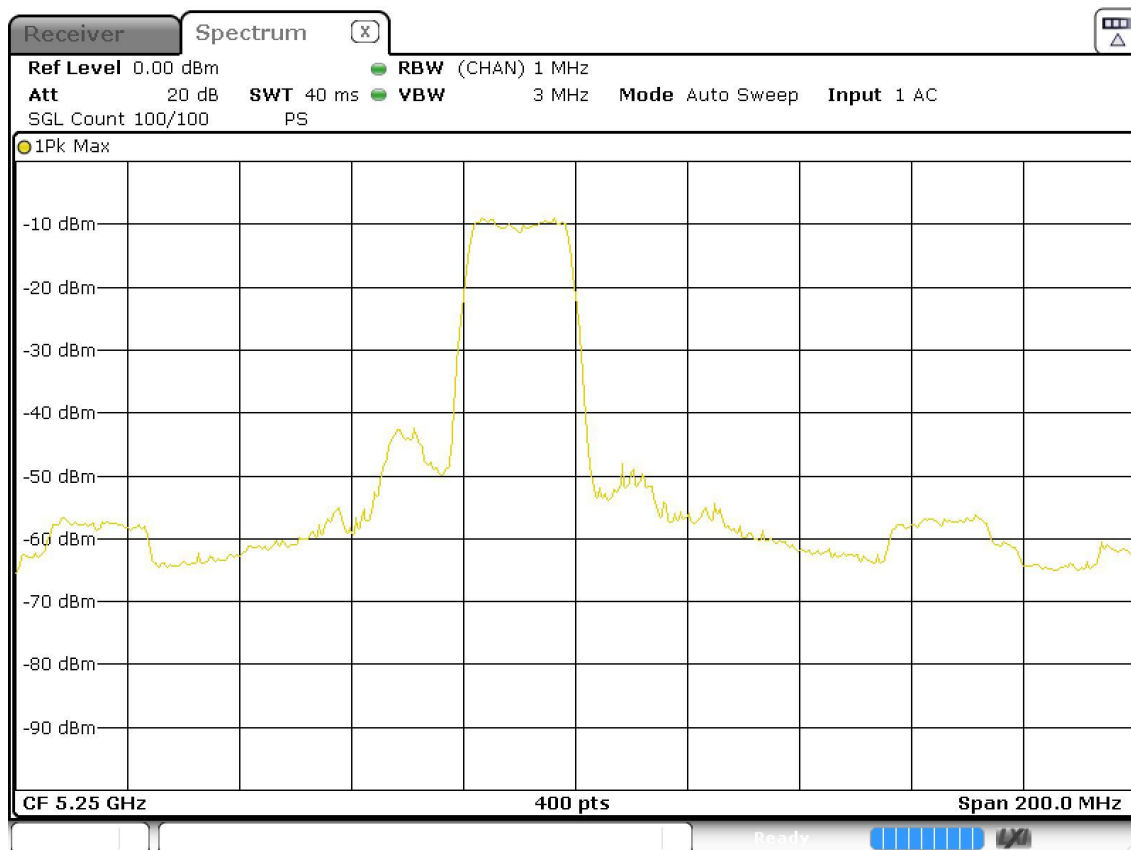
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000

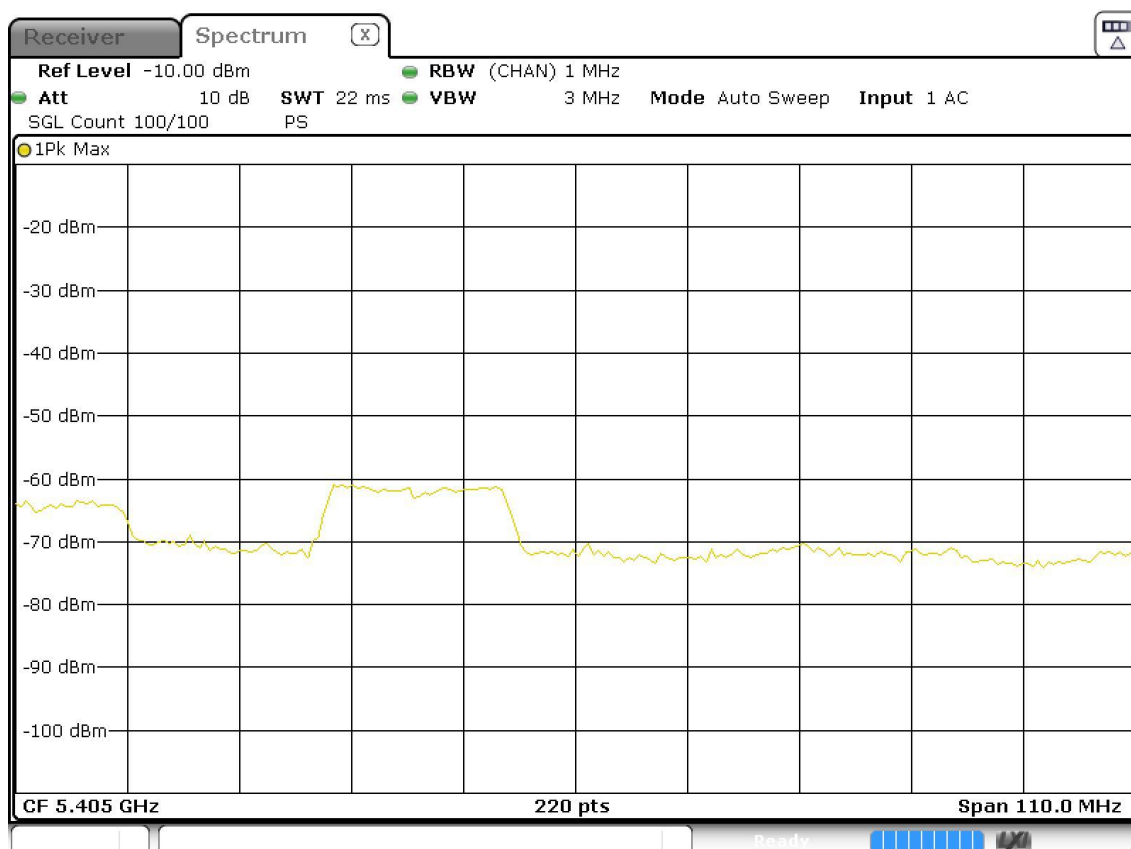
Modulation = 802.11n HT20 (OFDM MCS0)

Images:





Date: 6.APR.2026 23:16:13



Date: 6.APR.2026 23:16:32

Tables:
Spectrum Analyzer Parameters

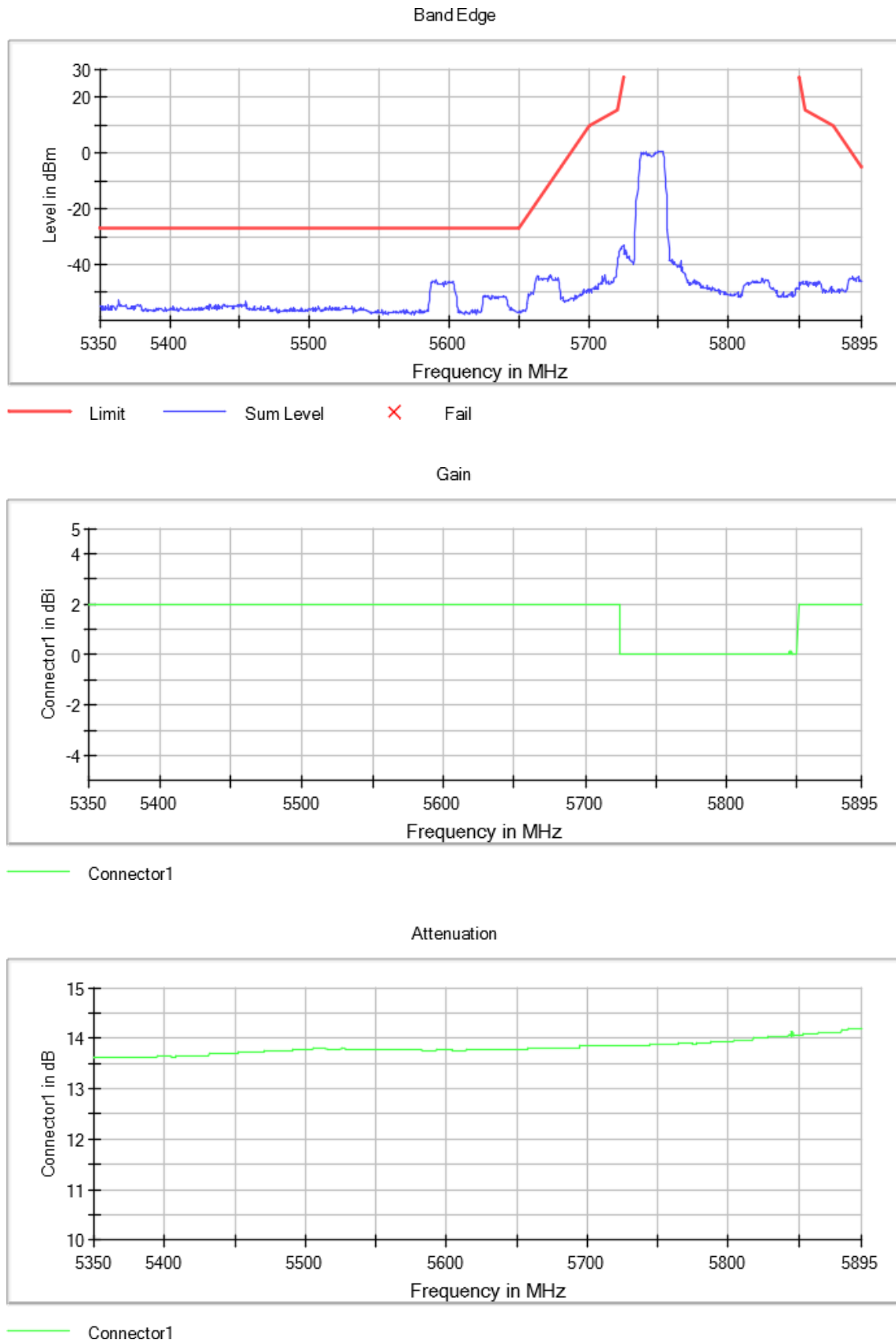
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5382.250000	-45.3	18.3	-27.0	PASS
5381.250000	-45.3	18.3	-27.0	PASS
5383.250000	-45.3	18.3	-27.0	PASS
5397.250000	-45.5	18.5	-27.0	PASS
5381.750000	-45.7	18.7	-27.0	PASS
5384.250000	-45.7	18.7	-27.0	PASS
5384.750000	-45.8	18.8	-27.0	PASS
5392.250000	-45.8	18.8	-27.0	PASS
5395.750000	-45.8	18.8	-27.0	PASS
5382.750000	-45.9	18.9	-27.0	PASS
5388.750000	-45.9	18.9	-27.0	PASS
5383.750000	-45.9	18.9	-27.0	PASS
5396.250000	-45.9	18.9	-27.0	PASS
5397.750000	-45.9	18.9	-27.0	PASS
5395.250000	-46.0	19.0	-27.0	PASS

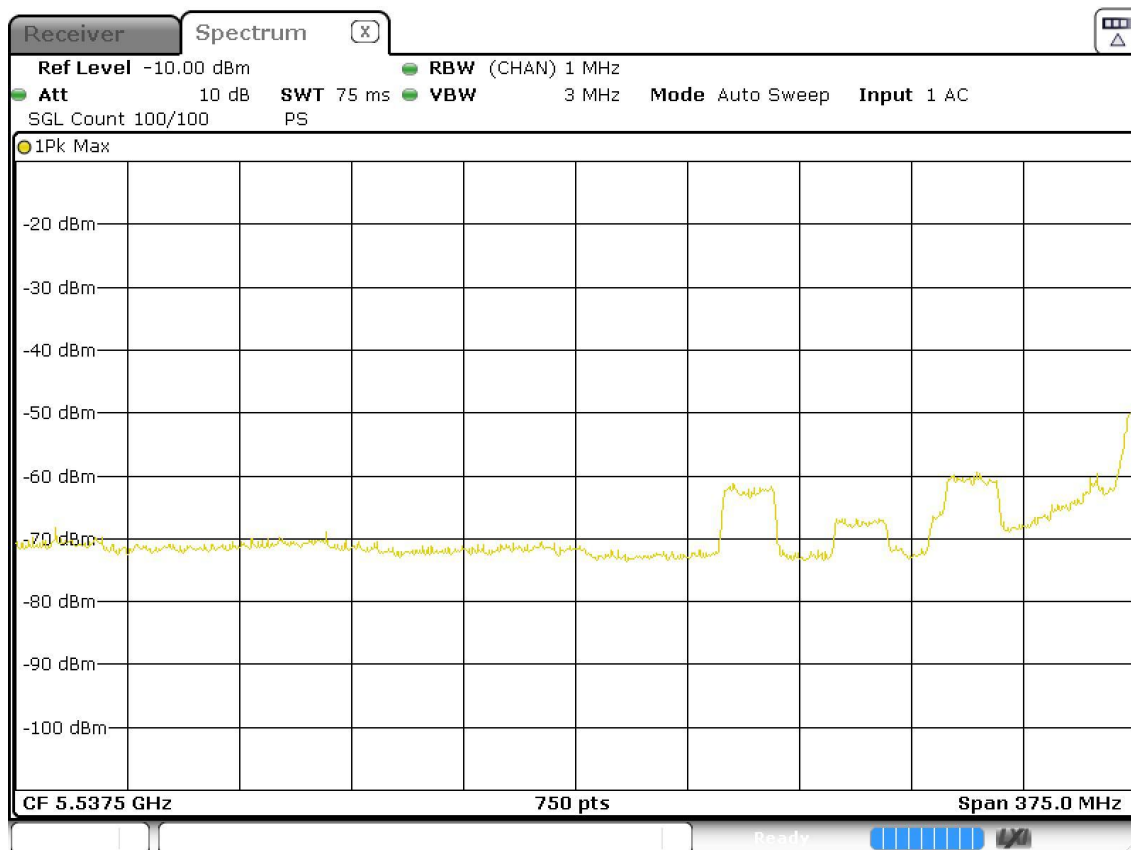
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000

Modulation = 802.11n HT20 (OFDM MCS0)

Images:





Date: 6.APR.2026 23:29:44



Date: 6.APR.2026 23:30:26

Tables:
Spectrum Analyzer Parameters

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5148.250000	-38.1	11.1	-27.0	PASS
5147.250000	-38.4	11.4	-27.0	PASS
5145.250000	-39.1	12.1	-27.0	PASS
5146.750000	-39.2	12.2	-27.0	PASS
5146.250000	-39.6	12.6	-27.0	PASS
5143.250000	-40.9	13.9	-27.0	PASS
5143.750000	-41.2	14.2	-27.0	PASS
5141.750000	-41.8	14.8	-27.0	PASS
5097.750000	-42.1	15.1	-27.0	PASS
5106.750000	-42.2	15.2	-27.0	PASS
5107.750000	-42.2	15.2	-27.0	PASS
5107.250000	-42.3	15.3	-27.0	PASS
5148.750000	-42.4	15.4	-27.0	PASS
5099.750000	-42.5	15.5	-27.0	PASS
5100.750000	-42.5	15.5	-27.0	PASS

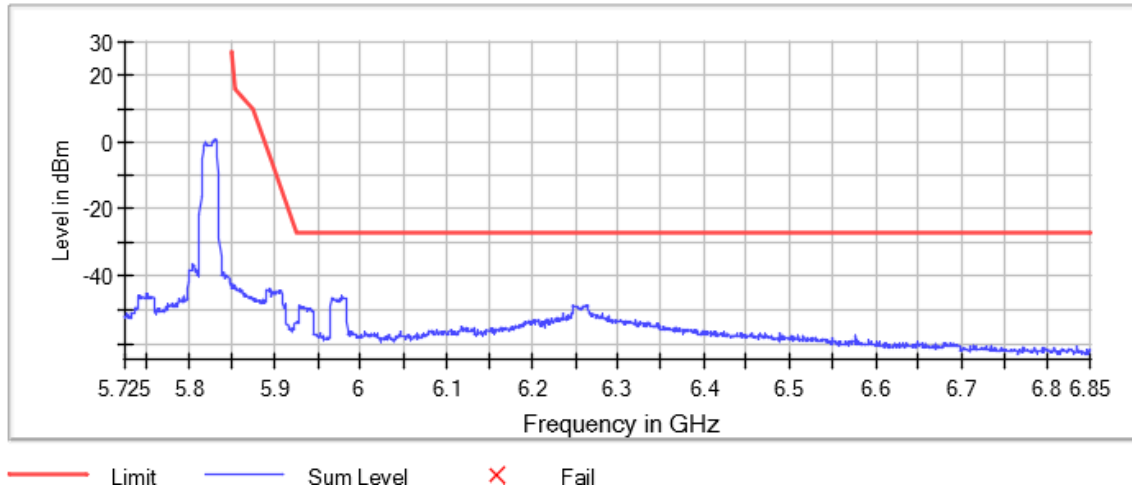
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000

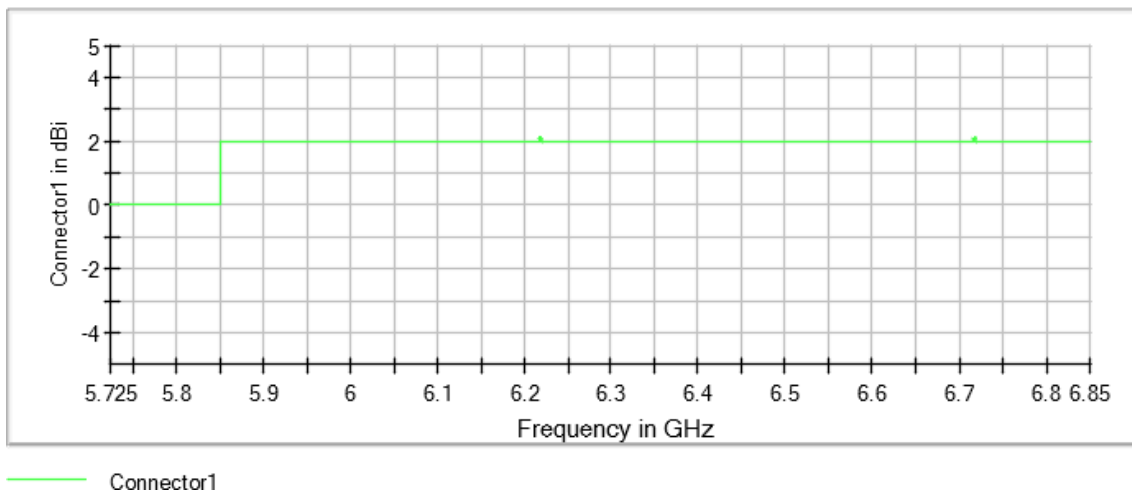
Modulation = 802.11n HT20 (OFDM MCS0)

Images:

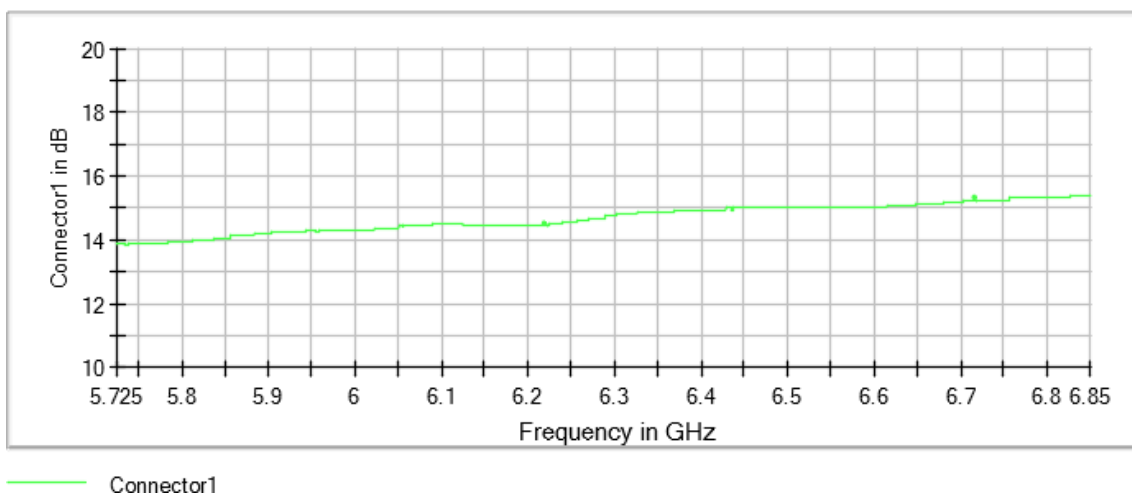
Band Edge

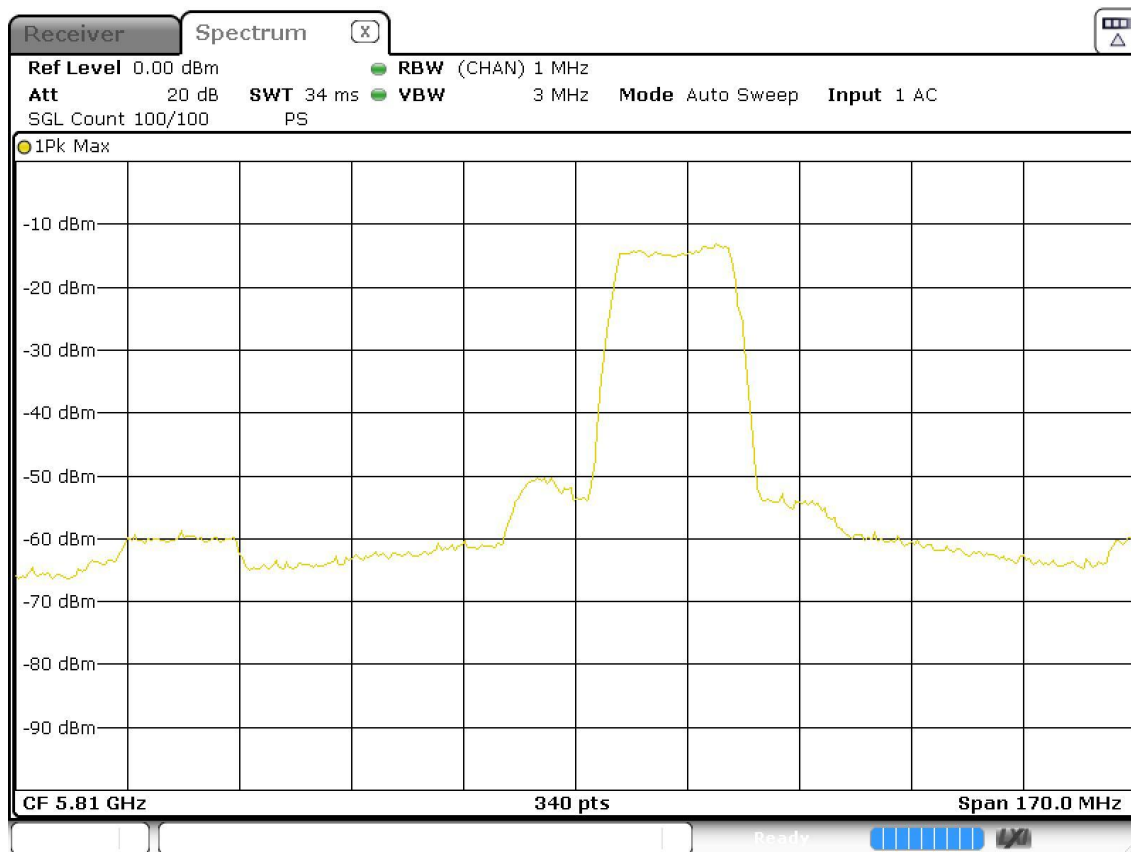


Gain

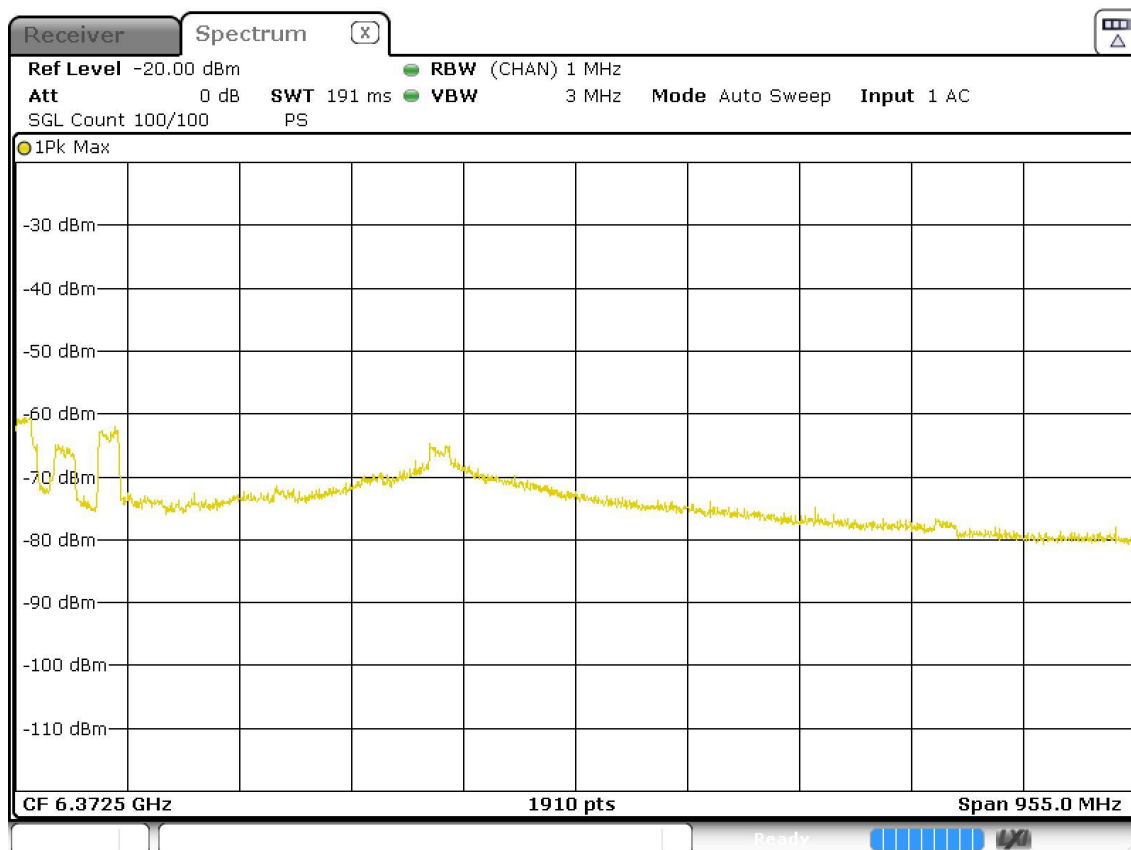


Attenuation





Date: 7.APR.2026 10:41:16



Date: 7.APR.2026 10:52:27

Tables:
Spectrum Analyzer Parameters

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5382.250000	-45.3	18.3	-27.0	PASS
5381.250000	-45.3	18.3	-27.0	PASS
5383.250000	-45.3	18.3	-27.0	PASS
5397.250000	-45.5	18.5	-27.0	PASS
5381.750000	-45.7	18.7	-27.0	PASS
5384.250000	-45.7	18.7	-27.0	PASS
5384.750000	-45.8	18.8	-27.0	PASS
5392.250000	-45.8	18.8	-27.0	PASS
5395.750000	-45.8	18.8	-27.0	PASS
5382.750000	-45.9	18.9	-27.0	PASS
5388.750000	-45.9	18.9	-27.0	PASS
5383.750000	-45.9	18.9	-27.0	PASS
5396.250000	-45.9	18.9	-27.0	PASS
5397.750000	-45.9	18.9	-27.0	PASS
5395.250000	-46.0	19.0	-27.0	PASS

Modulation: 802.11n HT40 (OFDM MCS0)

Results

Operation Band (MHz)	Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
[5150, 5850]	1	5190.00000	5149.750000	-30.2
	1	5190.00000	5148.250000	-30.5
	1	5190.00000	5149.250000	-30.8
	1	5190.00000	5148.750000	-31.2
	1	5190.00000	5147.750000	-31.5
	1	5190.00000	5146.250000	-31.5
	1	5190.00000	5147.250000	-31.5
	1	5190.00000	5145.250000	-32.2
	1	5190.00000	5144.750000	-32.6
	1	5190.00000	5146.750000	-32.6
	1	5190.00000	5143.750000	-32.8
	1	5190.00000	5145.750000	-32.9
	1	5190.00000	5144.250000	-33.3
	1	5190.00000	5142.750000	-34.1
	1	5190.00000	5143.250000	-34.2
	1	5230.00000	5363.750000	-49.6
	1	5230.00000	5364.250000	-49.9
	1	5230.00000	5366.250000	-49.9
	1	5230.00000	5363.250000	-49.9
	1	5230.00000	5365.750000	-50.1
	1	5230.00000	5362.750000	-50.2
	1	5230.00000	5367.250000	-50.4
	1	5230.00000	5371.750000	-50.5
	1	5230.00000	5365.250000	-50.5
	1	5230.00000	5370.750000	-50.5
	1	5230.00000	5369.250000	-50.6
	1	5230.00000	5373.750000	-50.6
	1	5230.00000	5368.250000	-50.6
	1	5230.00000	5364.750000	-50.6
	1	5230.00000	5374.750000	-50.6
	1	5755.00000	5591.750000	-48.1
	1	5755.00000	5590.250000	-49.0
	1	5755.00000	5590.750000	-49.0
	1	5755.00000	5594.750000	-49.1
	1	5755.00000	5593.250000	-49.1
	1	5755.00000	5608.750000	-49.2
	1	5755.00000	5587.750000	-49.2
	1	5755.00000	5591.250000	-49.2
	1	5755.00000	5613.250000	-49.4

Operation Band (MHz)	Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
	1	5755.00000	5596.250000	-49.4
	1	5755.00000	5589.750000	-49.5
	1	5755.00000	5594.250000	-49.5
	1	5755.00000	5600.750000	-49.5
	1	5755.00000	5589.250000	-49.5
	1	5755.00000	5601.750000	-49.5
	1	5795.00000	5931.250000	-47.8
	1	5795.00000	5930.750000	-48.0
	1	5795.00000	5929.250000	-48.1
	1	5795.00000	5927.750000	-48.1
	1	5795.00000	5936.750000	-48.1
	1	5795.00000	5932.250000	-48.1
	1	5795.00000	5932.750000	-48.2
	1	5795.00000	5956.250000	-48.2
	1	5795.00000	5931.750000	-48.3
	1	5795.00000	5939.250000	-48.3
	1	5795.00000	5940.250000	-48.3
	1	5795.00000	5936.250000	-48.3
	1	5795.00000	5934.250000	-48.4
	1	5795.00000	5927.250000	-48.4
	1	5795.00000	5929.750000	-48.4

Verdict

Pass

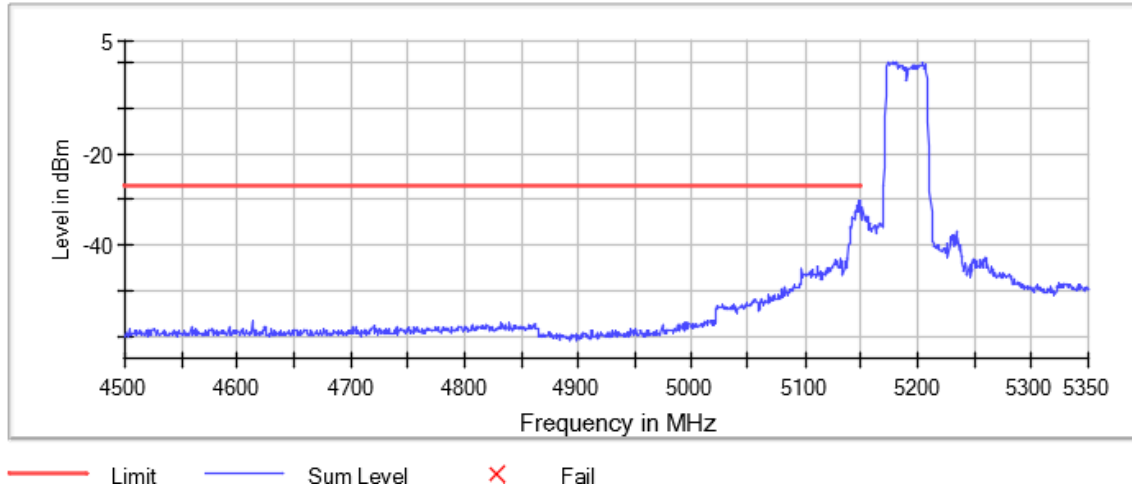
Attachments

Operation Band MHz = [5150, 5850] Active Port = 1

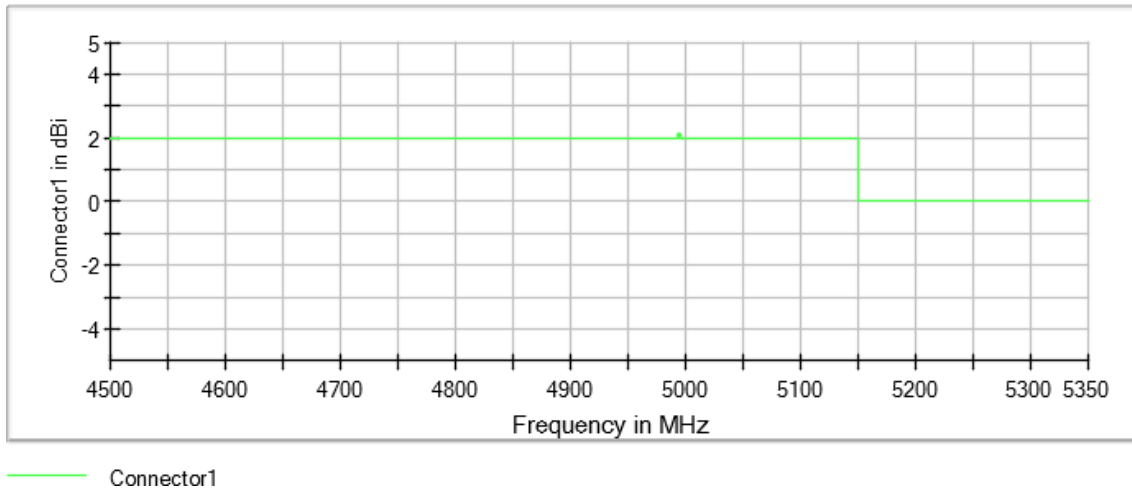
Frequency MHz = 5190.00000 Modulation = 802.11n HT40 (OFDM MCS0)

Images:

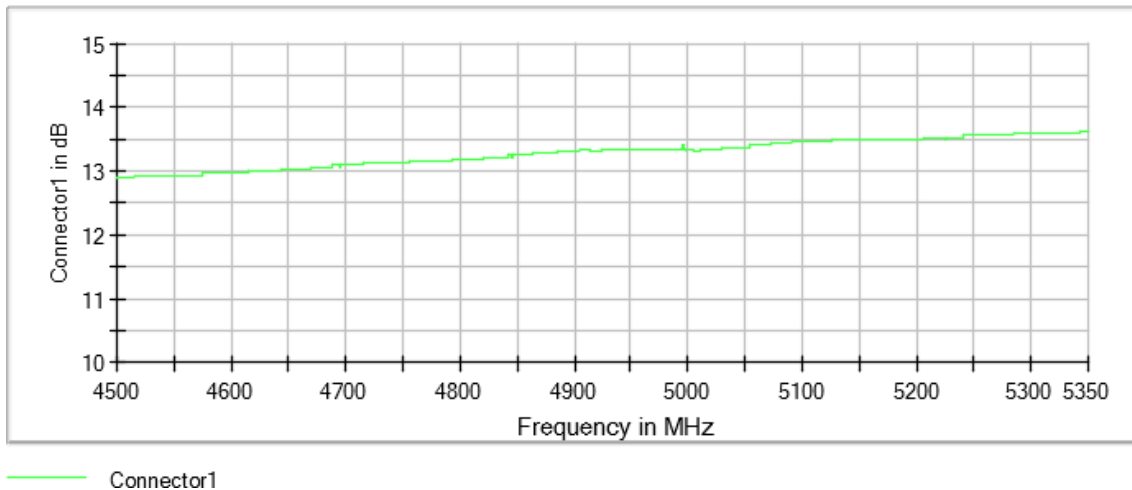
Band Edge

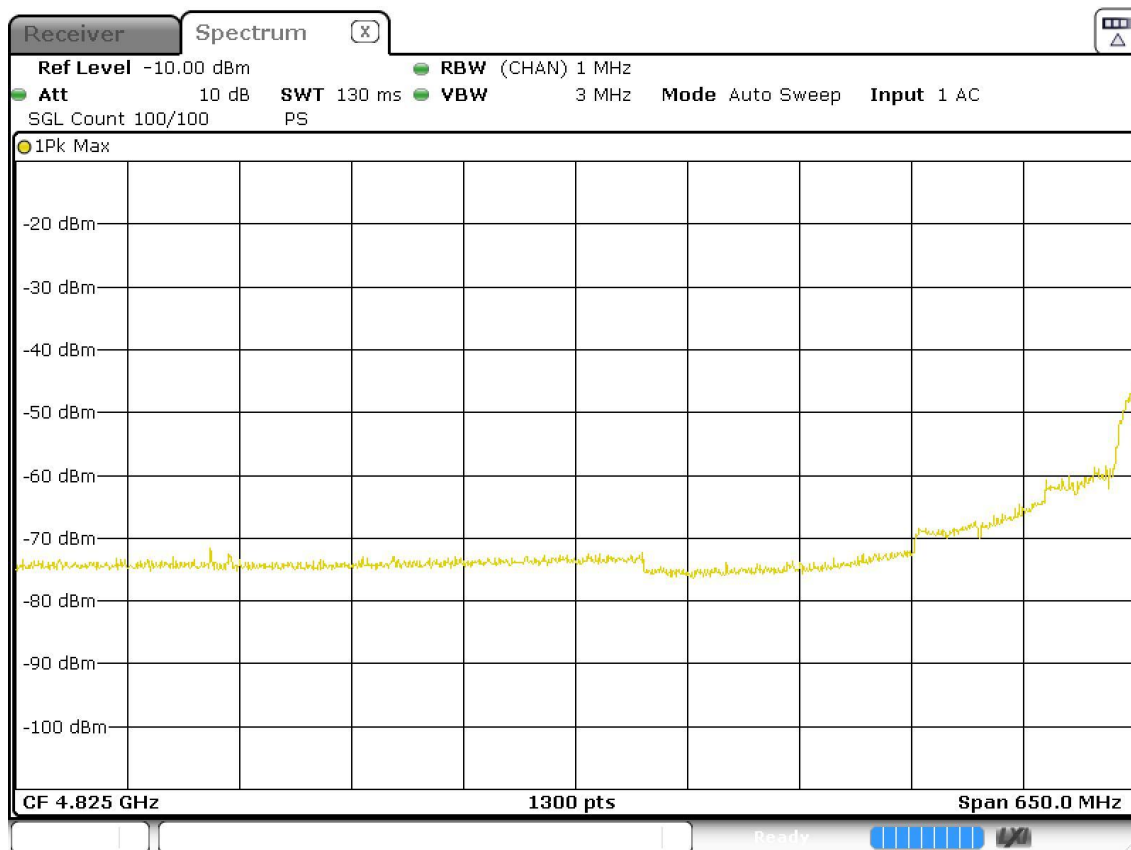


Gain

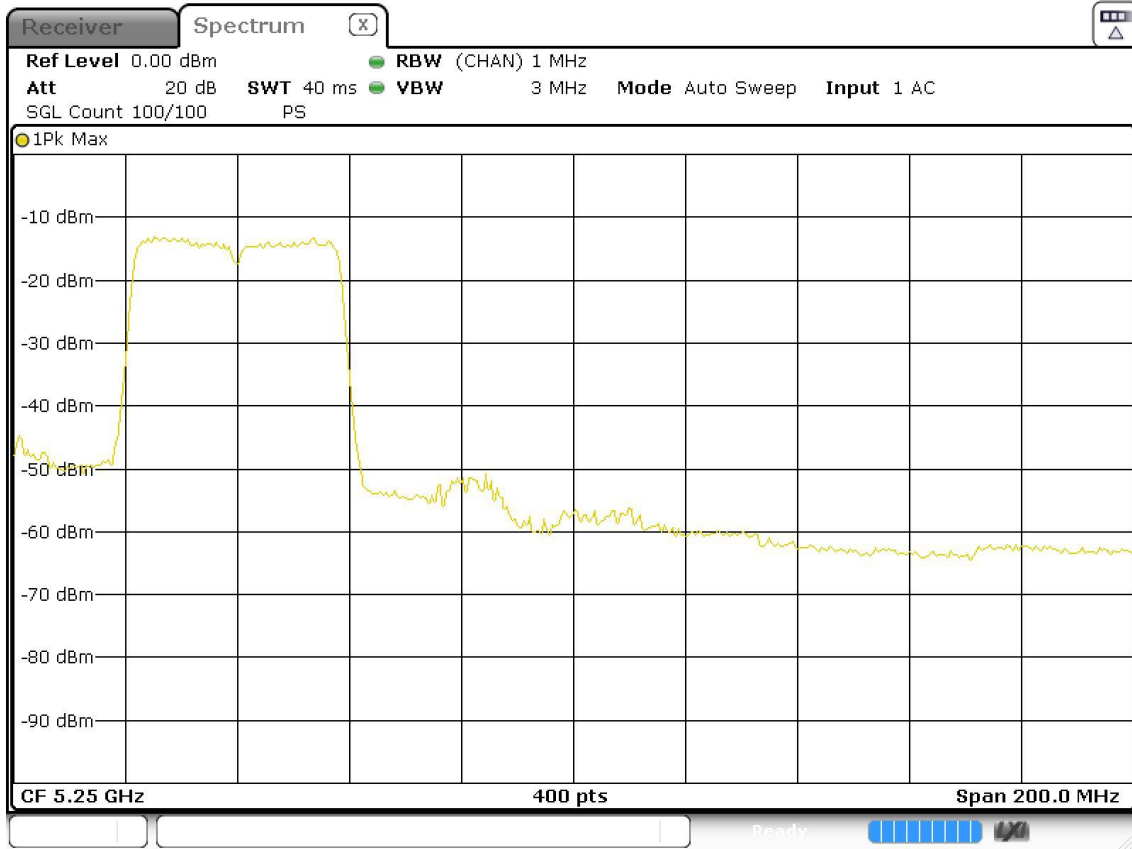


Attenuation





Date: 7.APR.2026 19:26:58



Date: 7.APR.2026 19:28:22

Tables:
Spectrum Analyzer Parameters

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.750000	-30.2	3.2	-27.0	PASS
5148.250000	-30.5	3.5	-27.0	PASS
5149.250000	-30.8	3.8	-27.0	PASS
5148.750000	-31.2	4.2	-27.0	PASS
5147.750000	-31.5	4.5	-27.0	PASS
5146.250000	-31.5	4.5	-27.0	PASS
5147.250000	-31.5	4.5	-27.0	PASS
5145.250000	-32.2	5.2	-27.0	PASS
5144.750000	-32.6	5.6	-27.0	PASS
5146.750000	-32.6	5.6	-27.0	PASS
5143.750000	-32.8	5.8	-27.0	PASS
5145.750000	-32.9	5.9	-27.0	PASS
5144.250000	-33.3	6.3	-27.0	PASS
5142.750000	-34.1	7.1	-27.0	PASS
5143.250000	-34.2	7.2	-27.0	PASS

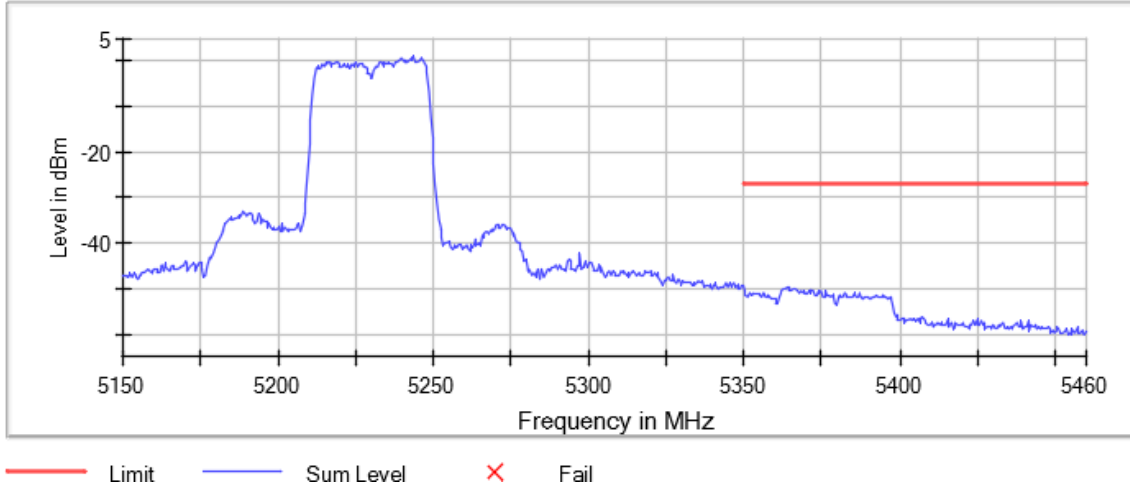
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5230.00000

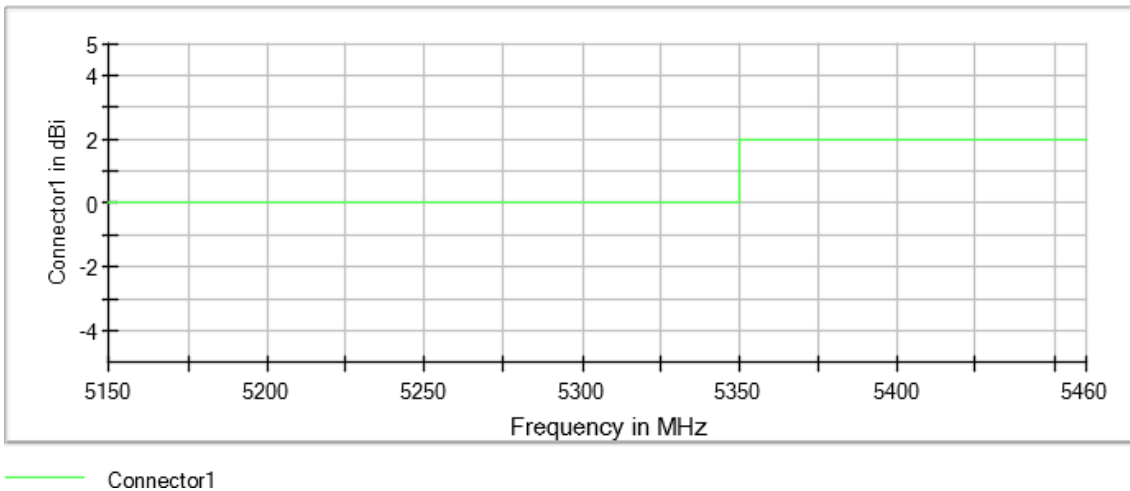
Modulation = 802.11n HT40 (OFDM MCS0)

Images:

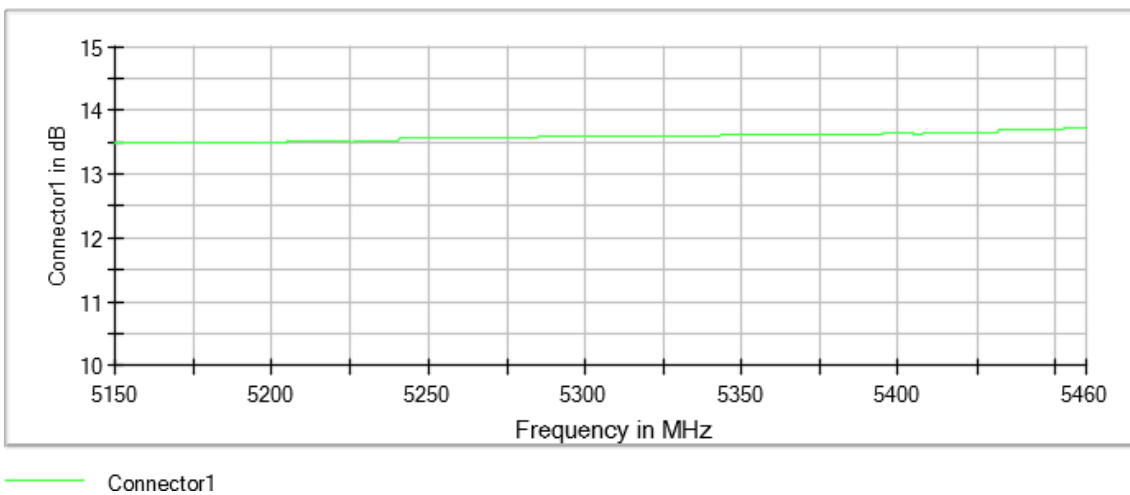
Band Edge

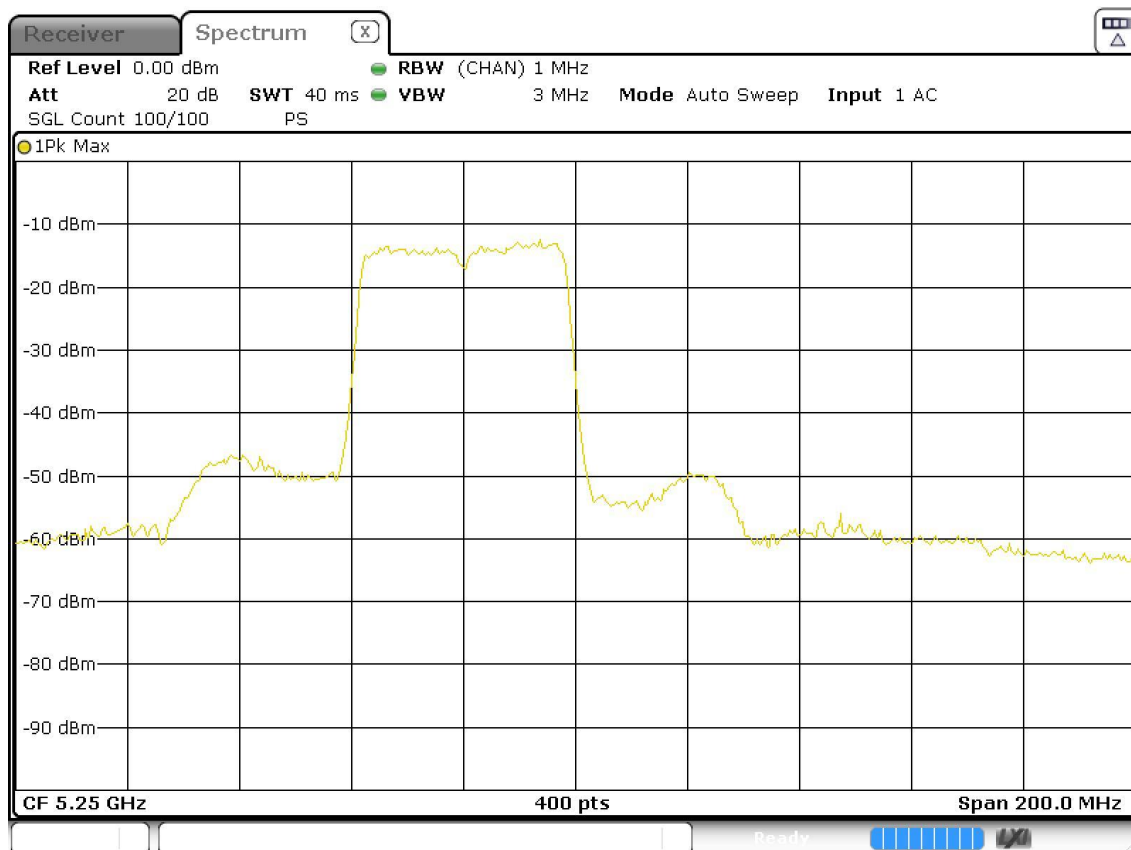


Gain

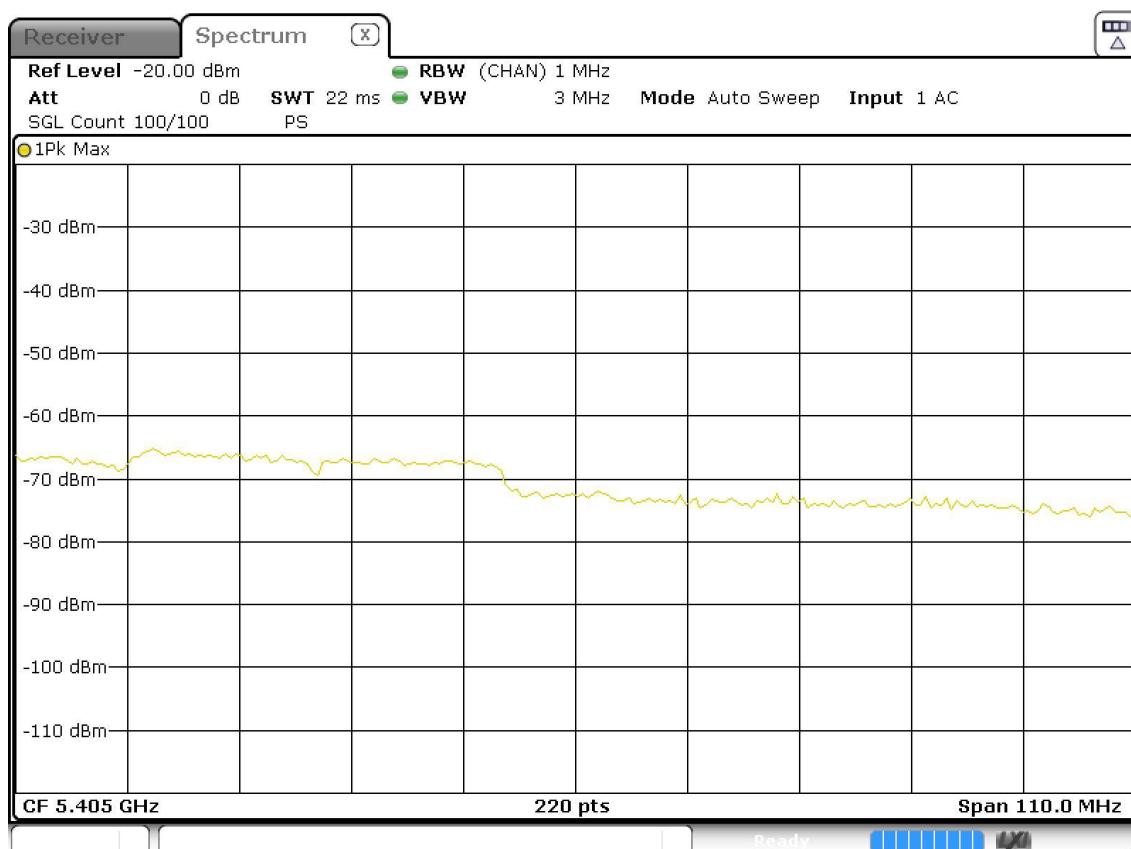


Attenuation





Date: 7.APR.2026 19:46:45



Date: 7.APR.2026 19:47:00

Tables:

Spectrum Analyzer Parameters

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5363.750000	-49.6	22.6	-27.0	PASS
5364.250000	-49.9	22.9	-27.0	PASS
5366.250000	-49.9	22.9	-27.0	PASS
5363.250000	-49.9	22.9	-27.0	PASS
5365.750000	-50.1	23.1	-27.0	PASS
5362.750000	-50.2	23.2	-27.0	PASS
5367.250000	-50.4	23.4	-27.0	PASS
5371.750000	-50.5	23.5	-27.0	PASS
5365.250000	-50.5	23.5	-27.0	PASS
5370.750000	-50.5	23.5	-27.0	PASS
5369.250000	-50.6	23.6	-27.0	PASS
5373.750000	-50.6	23.6	-27.0	PASS
5368.250000	-50.6	23.6	-27.0	PASS
5364.750000	-50.6	23.6	-27.0	PASS
5374.750000	-50.6	23.6	-27.0	PASS

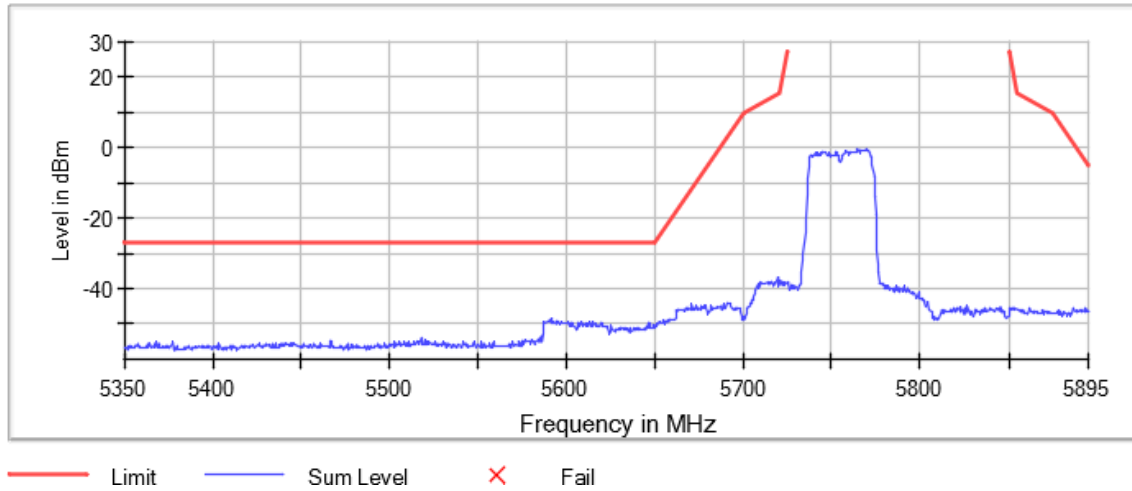
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000

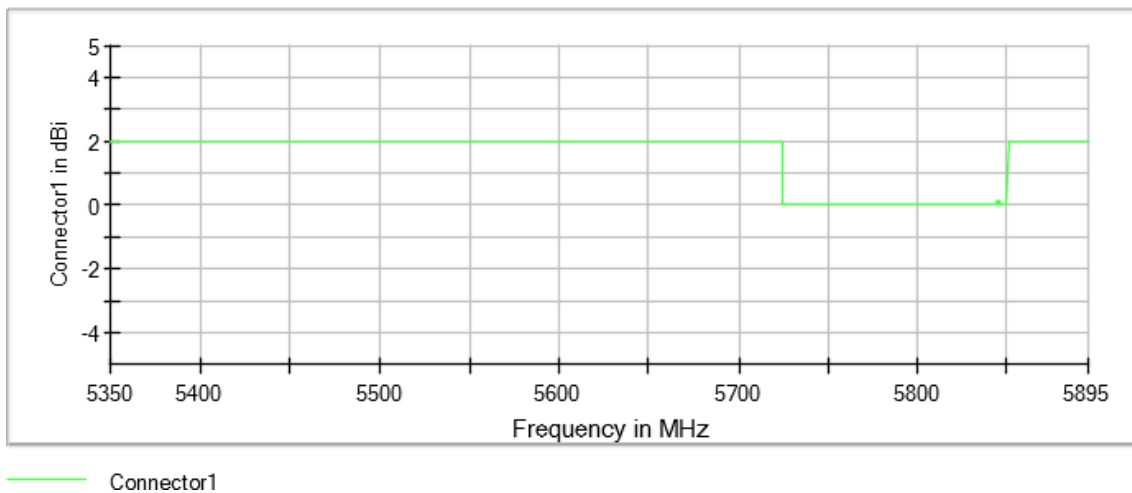
Modulation = 802.11n HT40 (OFDM MCS0)

Images:

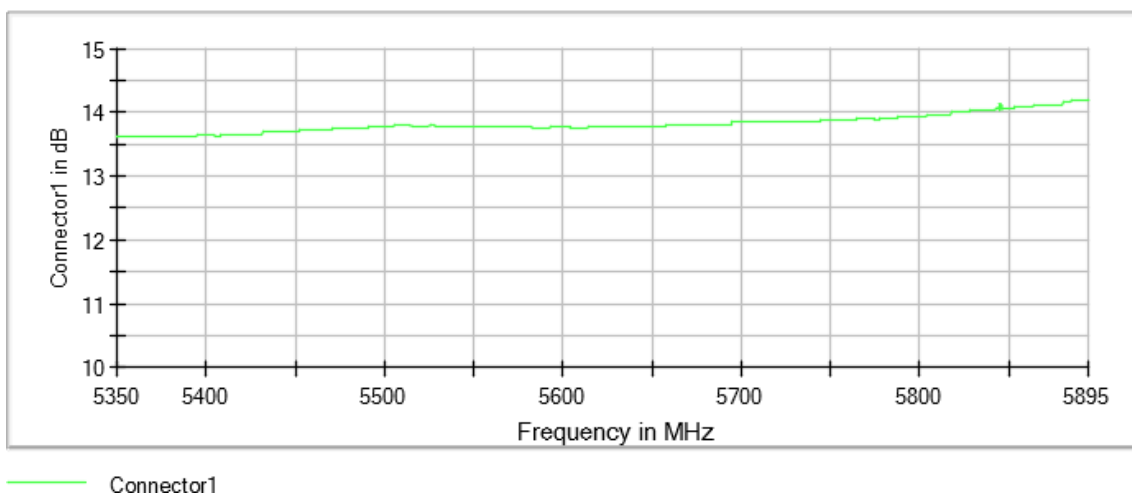
Band Edge

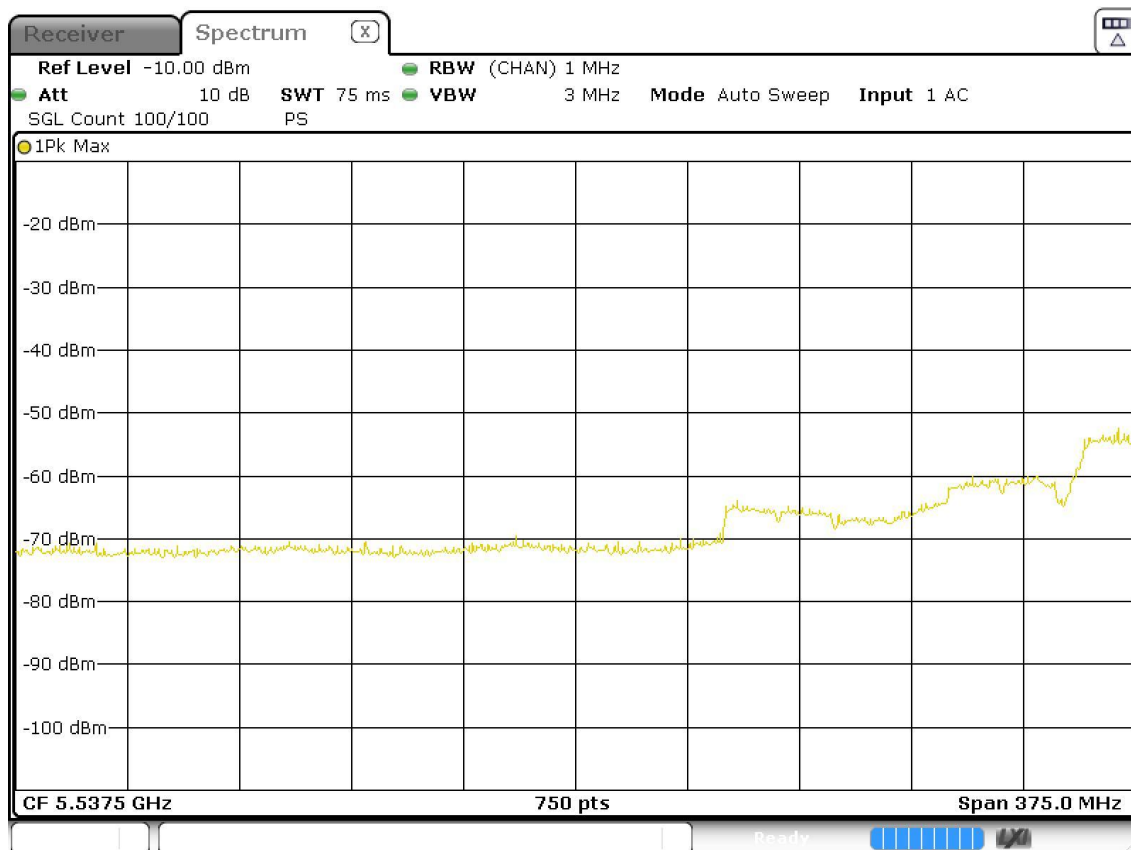


Gain



Attenuation





Date: 7.APR.2026 20:03:20



Date: 7.APR.2026 20:04:35

Tables:
Spectrum Analyzer Parameters

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.750000	-30.2	3.2	-27.0	PASS
5148.250000	-30.5	3.5	-27.0	PASS
5149.250000	-30.8	3.8	-27.0	PASS
5148.750000	-31.2	4.2	-27.0	PASS
5147.750000	-31.5	4.5	-27.0	PASS
5146.250000	-31.5	4.5	-27.0	PASS
5147.250000	-31.5	4.5	-27.0	PASS
5145.250000	-32.2	5.2	-27.0	PASS
5144.750000	-32.6	5.6	-27.0	PASS
5146.750000	-32.6	5.6	-27.0	PASS
5143.750000	-32.8	5.8	-27.0	PASS
5145.750000	-32.9	5.9	-27.0	PASS
5144.250000	-33.3	6.3	-27.0	PASS
5142.750000	-34.1	7.1	-27.0	PASS
5143.250000	-34.2	7.2	-27.0	PASS

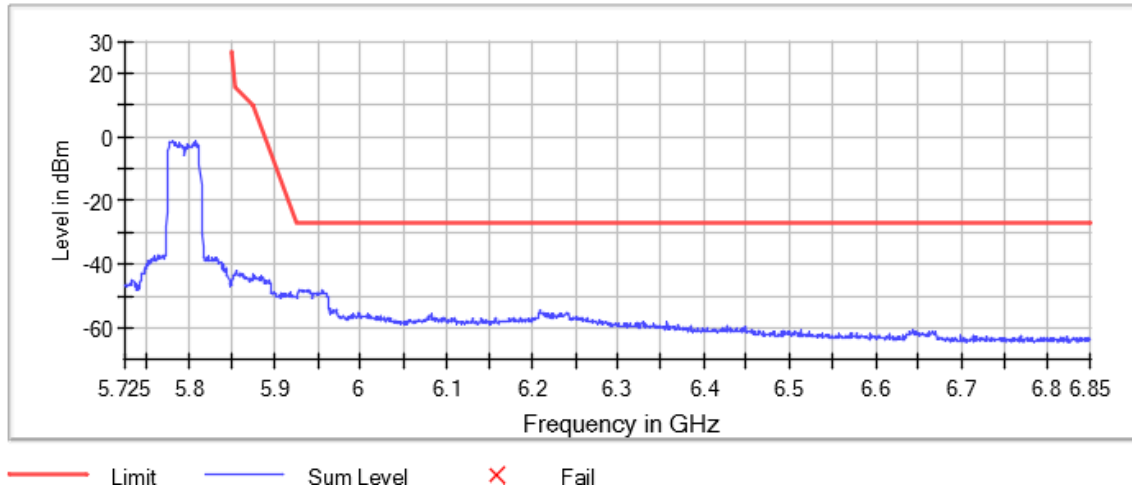
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000

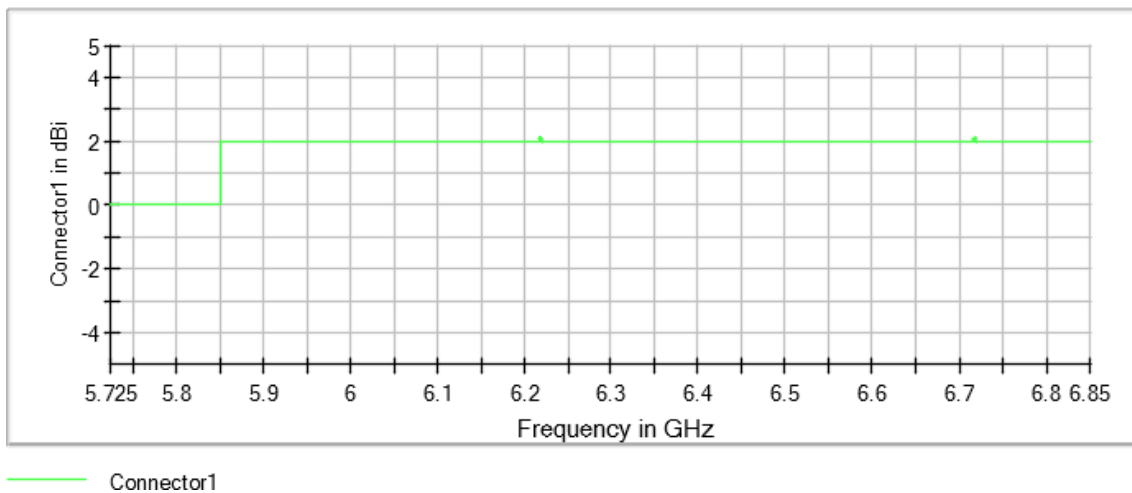
Modulation = 802.11n HT40 (OFDM MCS0)

Images:

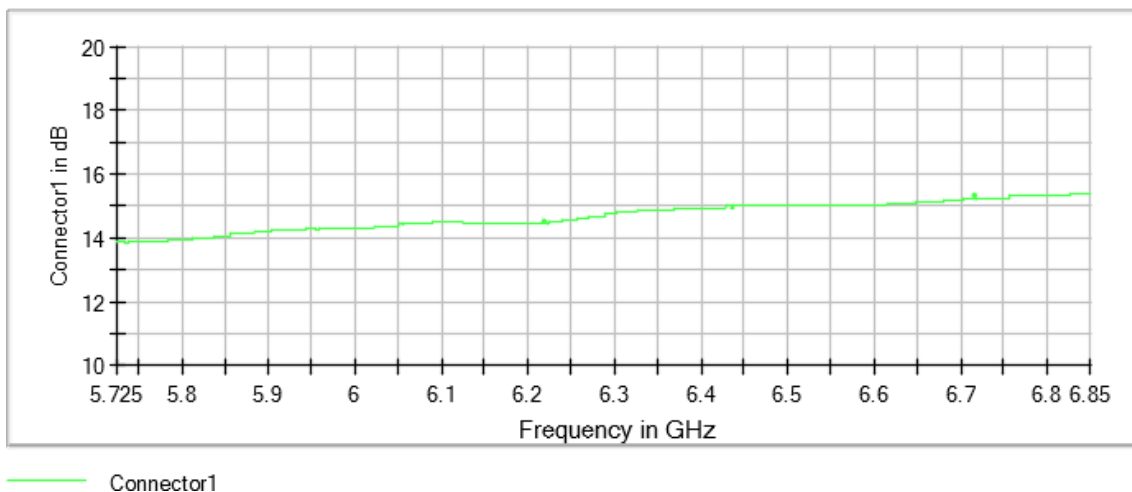
Band Edge



Gain

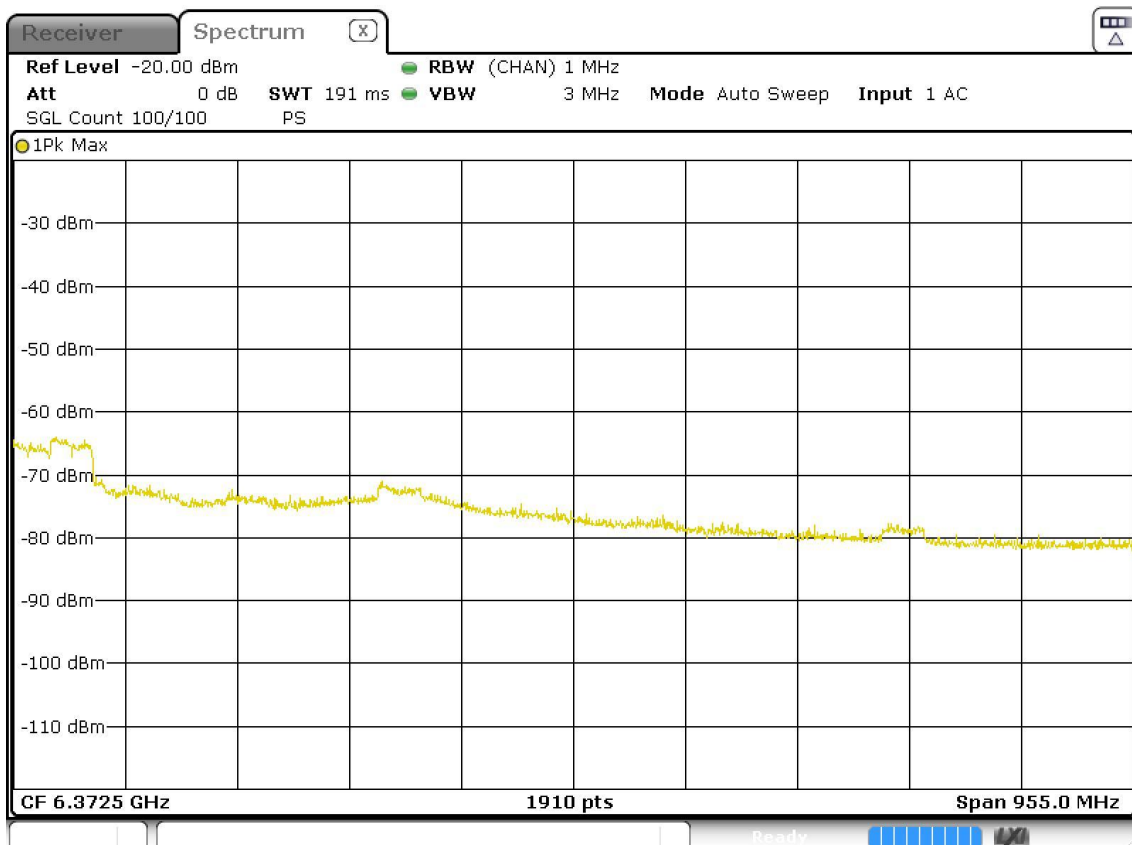


Attenuation





Date: 7.APR.2026 20:18:20



Date: 7.APR.2026 20:34:30

Tables:
Spectrum Analyzer Parameters

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5363.750000	-49.6	22.6	-27.0	PASS
5364.250000	-49.9	22.9	-27.0	PASS
5366.250000	-49.9	22.9	-27.0	PASS
5363.250000	-49.9	22.9	-27.0	PASS
5365.750000	-50.1	23.1	-27.0	PASS
5362.750000	-50.2	23.2	-27.0	PASS
5367.250000	-50.4	23.4	-27.0	PASS
5371.750000	-50.5	23.5	-27.0	PASS
5365.250000	-50.5	23.5	-27.0	PASS
5370.750000	-50.5	23.5	-27.0	PASS
5369.250000	-50.6	23.6	-27.0	PASS
5373.750000	-50.6	23.6	-27.0	PASS
5368.250000	-50.6	23.6	-27.0	PASS
5364.750000	-50.6	23.6	-27.0	PASS
5374.750000	-50.6	23.6	-27.0	PASS

Modulation: 802.11a (OFDM 6 Mbit/s)

Results

Operation Band (MHz)	Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
[5150, 5850]	1	5180.00000	5098.250000	-42.7
	1	5180.00000	5147.750000	-42.8
	1	5180.00000	5106.250000	-42.8
	1	5180.00000	5101.750000	-42.8
	1	5180.00000	5100.750000	-42.8
	1	5180.00000	5146.750000	-42.9
	1	5180.00000	5102.750000	-42.9
	1	5180.00000	5107.250000	-43.0
	1	5180.00000	5106.750000	-43.0
	1	5180.00000	5147.250000	-43.1
	1	5180.00000	5148.250000	-43.1
	1	5180.00000	5100.250000	-43.1
	1	5180.00000	5104.250000	-43.1
	1	5180.00000	5099.250000	-43.2
	1	5180.00000	5146.250000	-43.2
	1	5240.00000	5382.750000	-44.9
	1	5240.00000	5396.250000	-45.1
	1	5240.00000	5383.250000	-45.4
	1	5240.00000	5385.750000	-45.6
	1	5240.00000	5384.750000	-45.6
	1	5240.00000	5386.750000	-45.6
	1	5240.00000	5385.250000	-45.6
	1	5240.00000	5396.750000	-45.7
	1	5240.00000	5394.250000	-45.8
	1	5240.00000	5395.750000	-45.8
	1	5240.00000	5395.250000	-45.8
	1	5240.00000	5383.750000	-45.9
	1	5240.00000	5382.250000	-45.9
	1	5240.00000	5394.750000	-46.0
	1	5240.00000	5390.750000	-46.0
	1	5745.00000	5590.750000	-45.8
	1	5745.00000	5593.750000	-45.8
	1	5745.00000	5592.750000	-45.9
	1	5745.00000	5602.750000	-46.0
	1	5745.00000	5601.750000	-46.1
	1	5745.00000	5600.750000	-46.1
	1	5745.00000	5601.250000	-46.2
	1	5745.00000	5592.250000	-46.3
	1	5745.00000	5590.250000	-46.3

Operation Band (MHz)	Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
	1	5745.00000	5600.250000	-46.3
	1	5745.00000	5589.750000	-46.3
	1	5745.00000	5588.250000	-46.4
	1	5745.00000	5599.250000	-46.4
	1	5745.00000	5591.250000	-46.4
	1	5745.00000	5596.750000	-46.5
	1	5825.00000	5981.750000	-46.5
	1	5825.00000	5981.250000	-46.7
	1	5825.00000	5979.750000	-46.9
	1	5825.00000	5980.750000	-47.0
	1	5825.00000	5982.250000	-47.0
	1	5825.00000	5966.750000	-47.2
	1	5825.00000	5980.250000	-47.2
	1	5825.00000	5972.750000	-47.3
	1	5825.00000	5969.750000	-47.3
	1	5825.00000	5970.250000	-47.3
	1	5825.00000	5978.250000	-47.4
	1	5825.00000	5971.750000	-47.5
	1	5825.00000	5968.250000	-47.6
	1	5825.00000	5967.750000	-47.7
	1	5825.00000	5978.750000	-47.7

Verdict

Pass

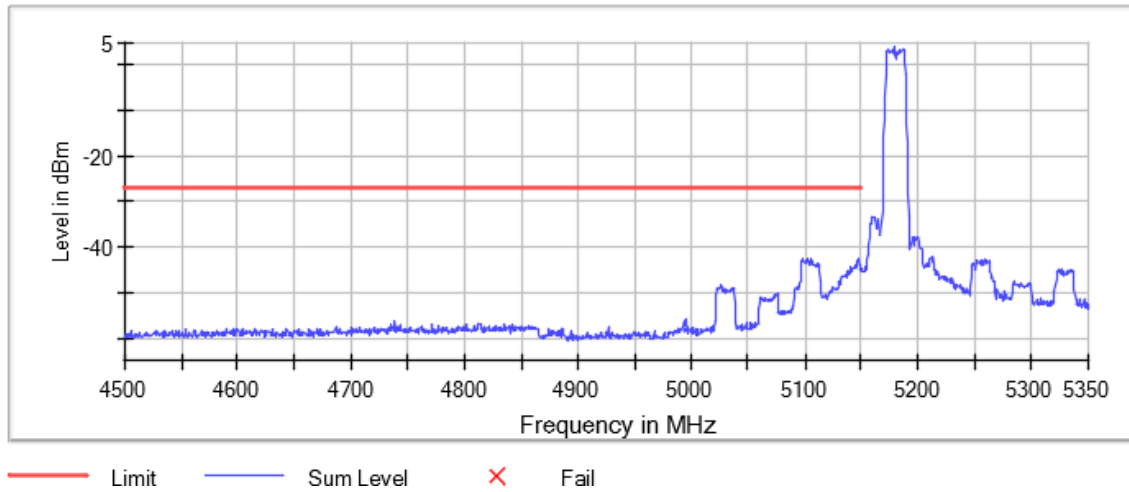
Attachments

Operation Band MHz = [5150, 5850] Active Port = 1

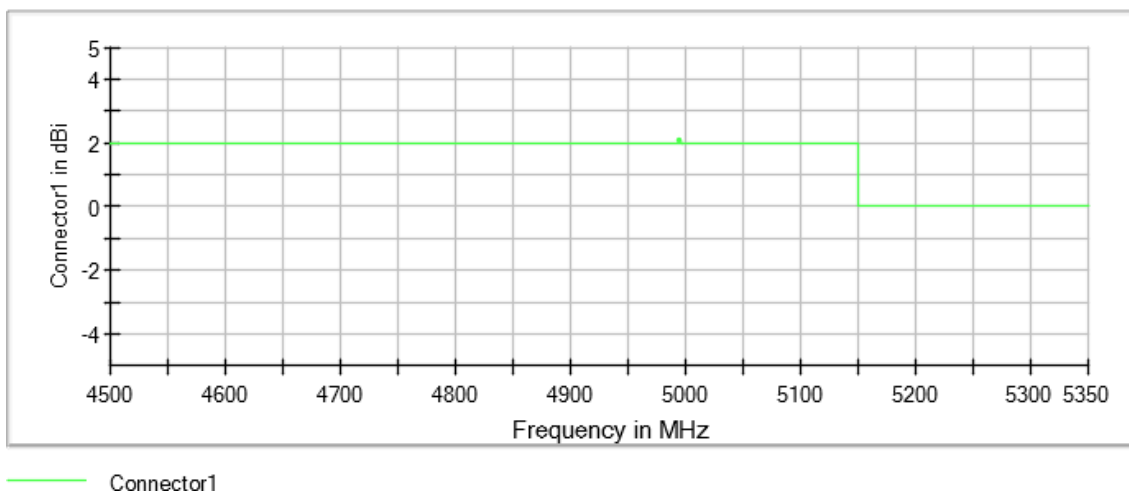
Frequency MHz = 5180.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

Images:

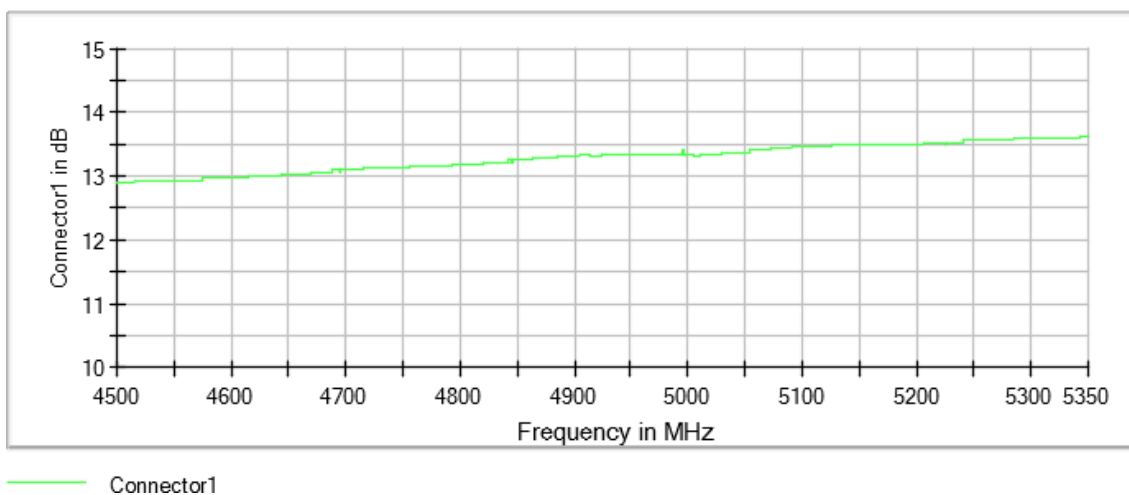
Band Edge

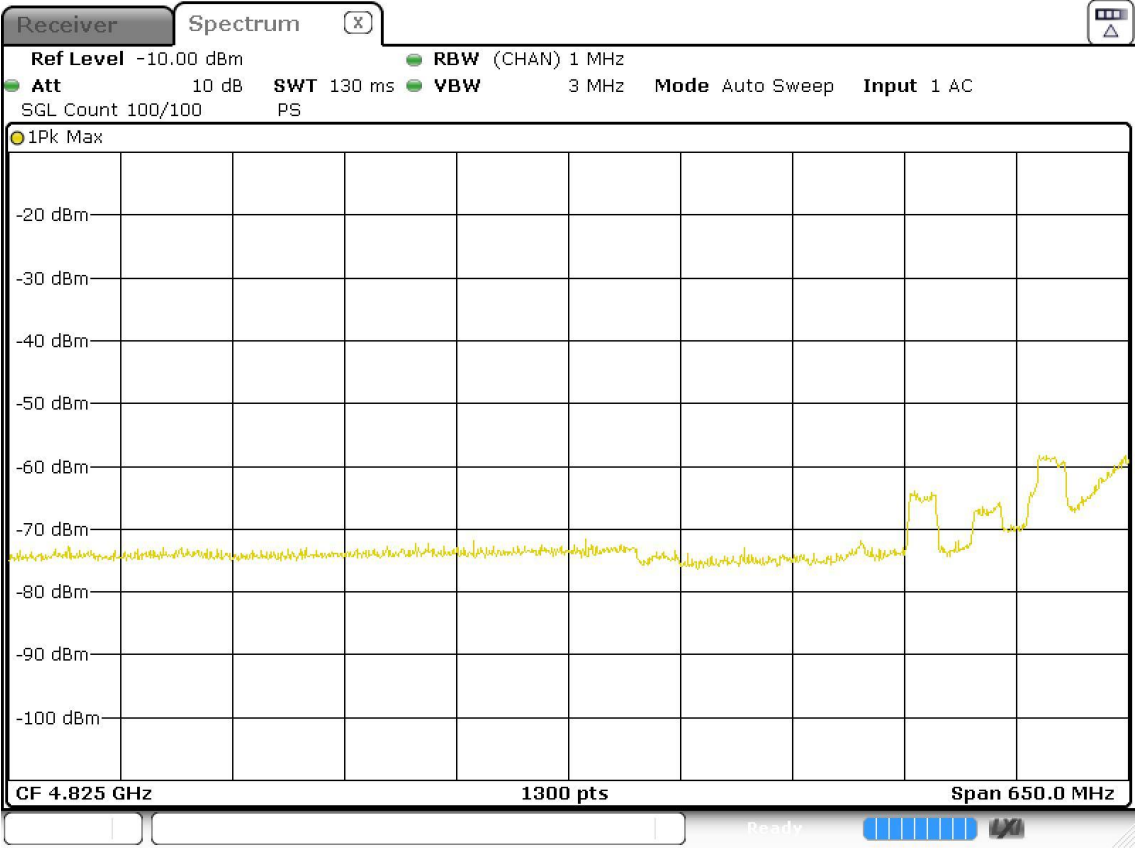


Gain

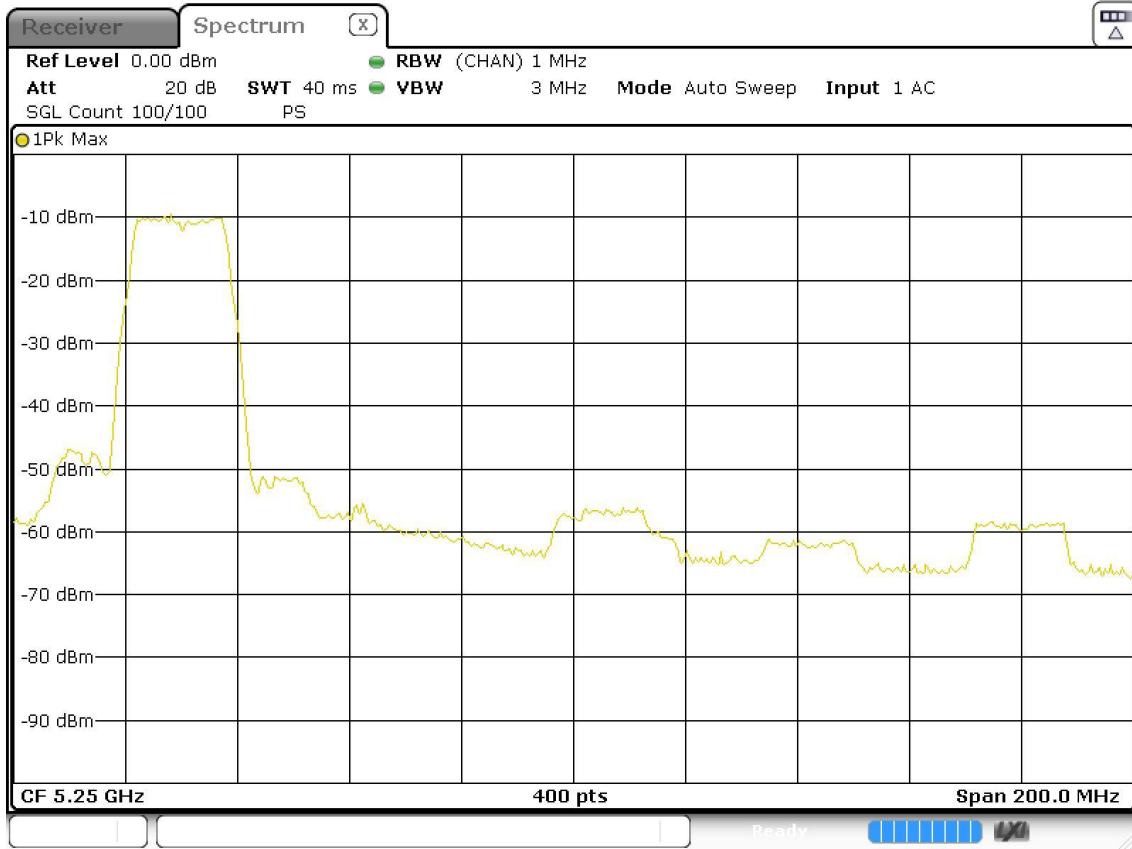


Attenuation





Date: 6.APR.2026 21:50:29



Date: 6.APR.2026 21:50:59

Tables:
Spectrum Analyzer Parameters

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5098.250000	-42.7	15.7	-27.0	PASS
5147.750000	-42.8	15.8	-27.0	PASS
5106.250000	-42.8	15.8	-27.0	PASS
5101.750000	-42.8	15.8	-27.0	PASS
5100.750000	-42.8	15.8	-27.0	PASS
5146.750000	-42.9	15.9	-27.0	PASS
5102.750000	-42.9	15.9	-27.0	PASS
5107.250000	-43.0	16.0	-27.0	PASS
5106.750000	-43.0	16.0	-27.0	PASS
5147.250000	-43.1	16.1	-27.0	PASS
5148.250000	-43.1	16.1	-27.0	PASS
5100.250000	-43.1	16.1	-27.0	PASS
5104.250000	-43.1	16.1	-27.0	PASS
5099.250000	-43.2	16.2	-27.0	PASS
5146.250000	-43.2	16.2	-27.0	PASS

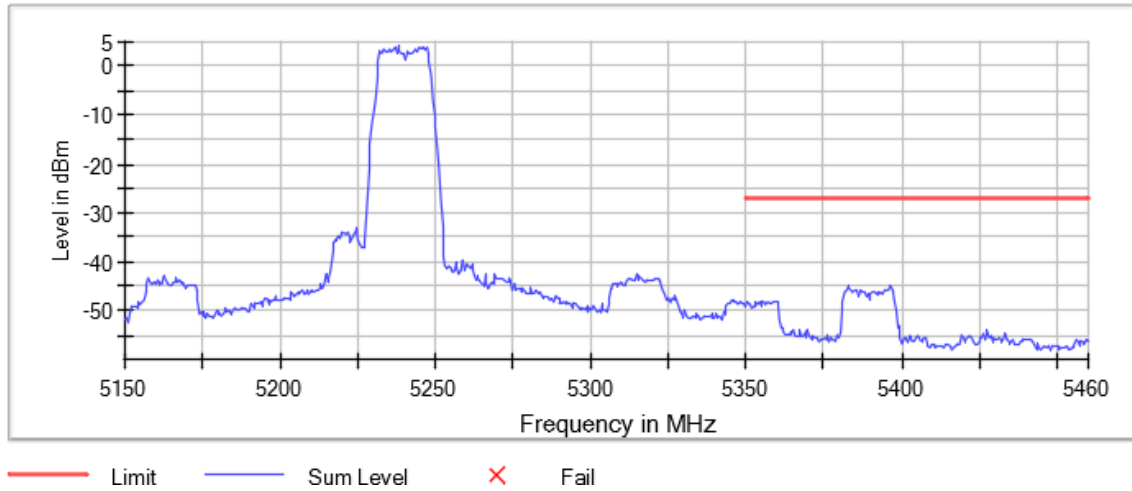
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000

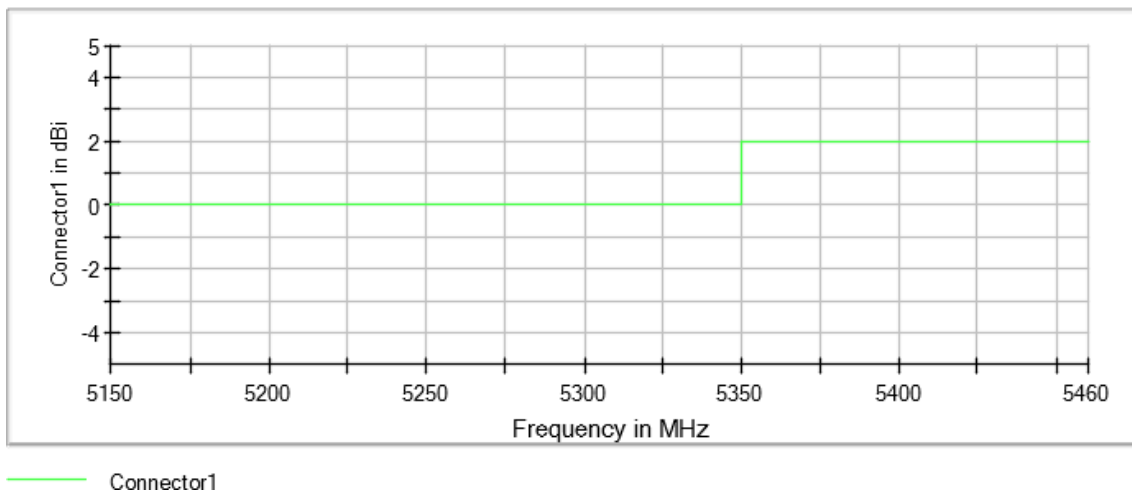
Modulation = 802.11a (OFDM 6 Mbit/s)

Images:

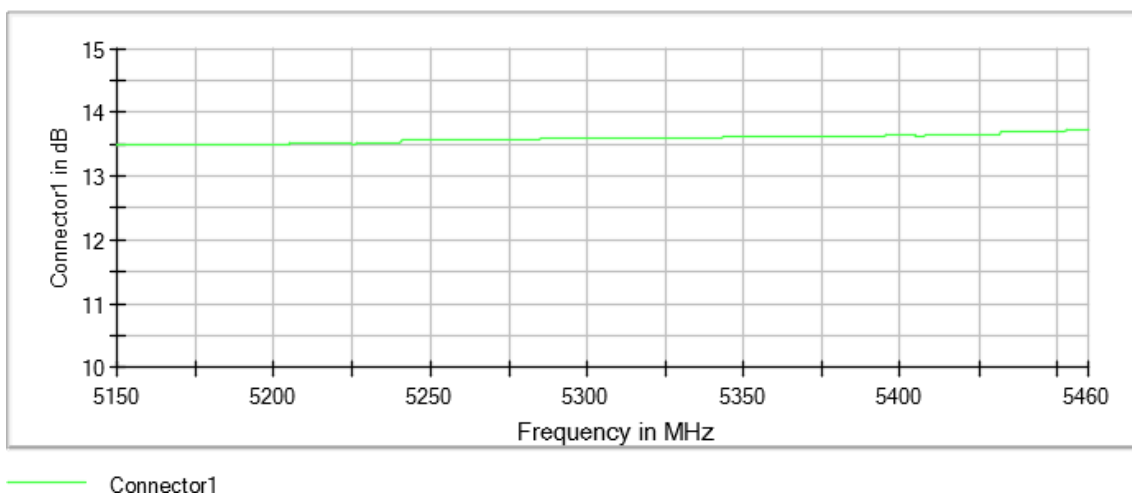
Band Edge

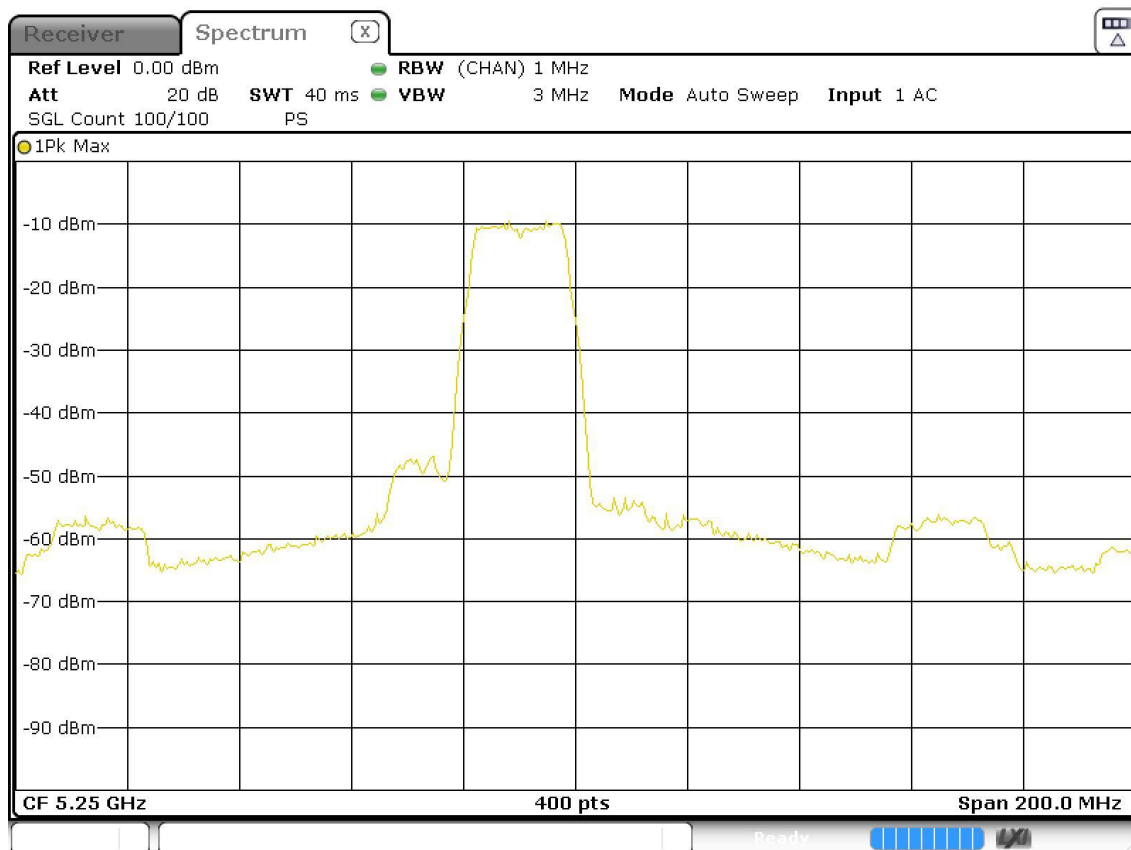


Gain

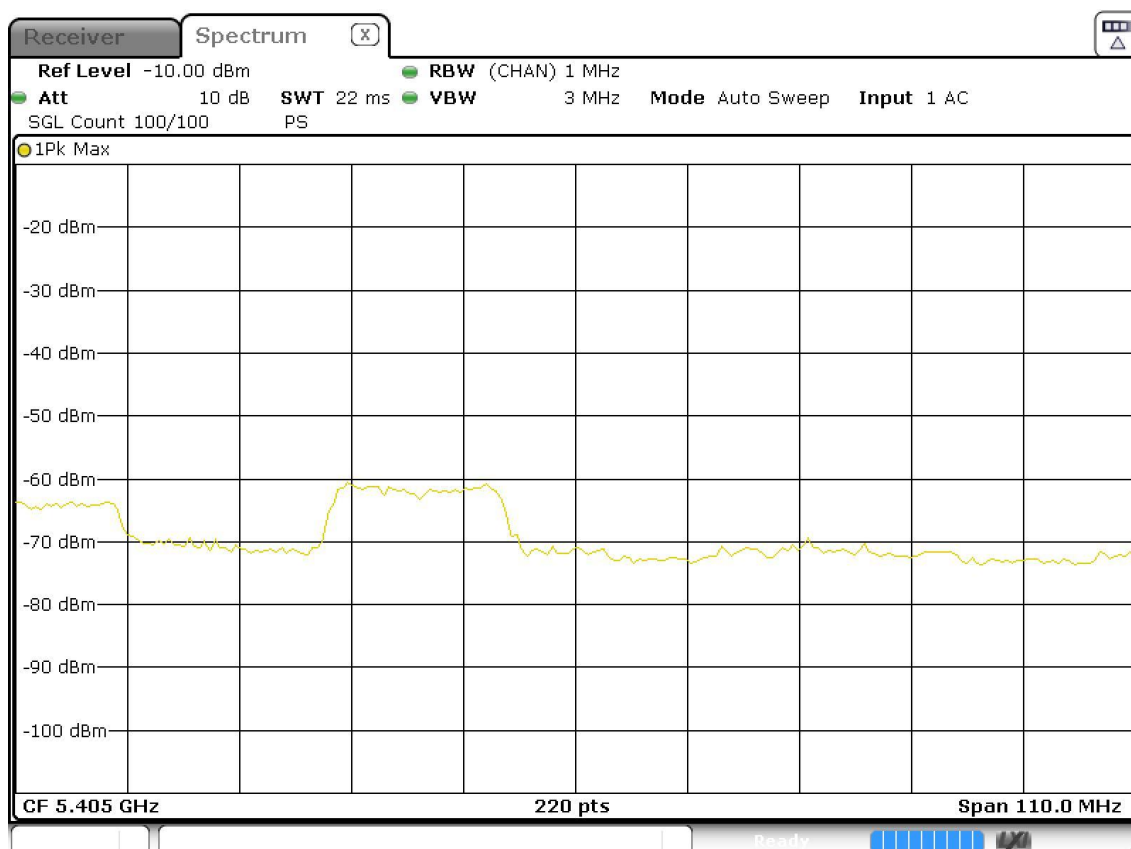


Attenuation





Date: 6.APR.2026 22:03:16



Date: 6.APR.2026 22:03:36

Tables:
Spectrum Analyzer Parameters

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5382.750000	-44.9	17.9	-27.0	PASS
5396.250000	-45.1	18.1	-27.0	PASS
5383.250000	-45.4	18.4	-27.0	PASS
5385.750000	-45.6	18.6	-27.0	PASS
5384.750000	-45.6	18.6	-27.0	PASS
5386.750000	-45.6	18.6	-27.0	PASS
5385.250000	-45.6	18.6	-27.0	PASS
5396.750000	-45.7	18.7	-27.0	PASS
5394.250000	-45.8	18.8	-27.0	PASS
5395.750000	-45.8	18.8	-27.0	PASS
5395.250000	-45.8	18.8	-27.0	PASS
5383.750000	-45.9	18.9	-27.0	PASS
5382.250000	-45.9	18.9	-27.0	PASS
5394.750000	-46.0	19.0	-27.0	PASS
5390.750000	-46.0	19.0	-27.0	PASS

Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000

Modulation = 802.11a (OFDM 6 Mbit/s)

Images:

