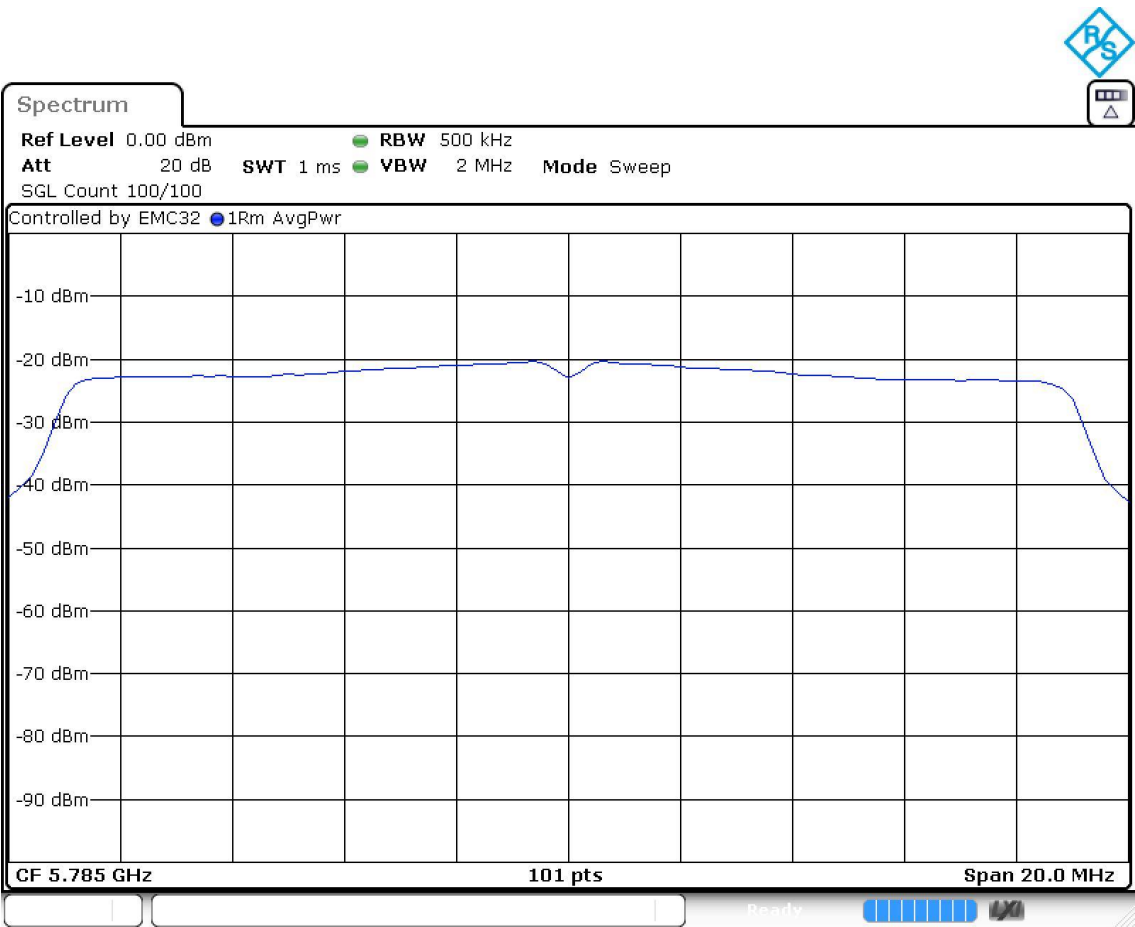
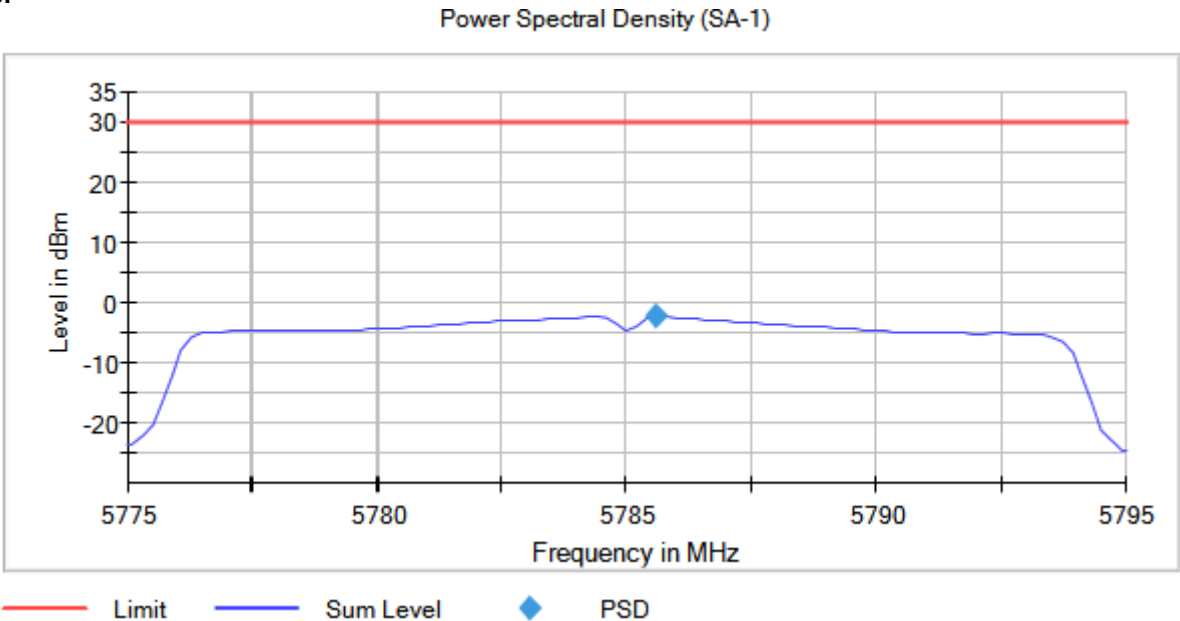


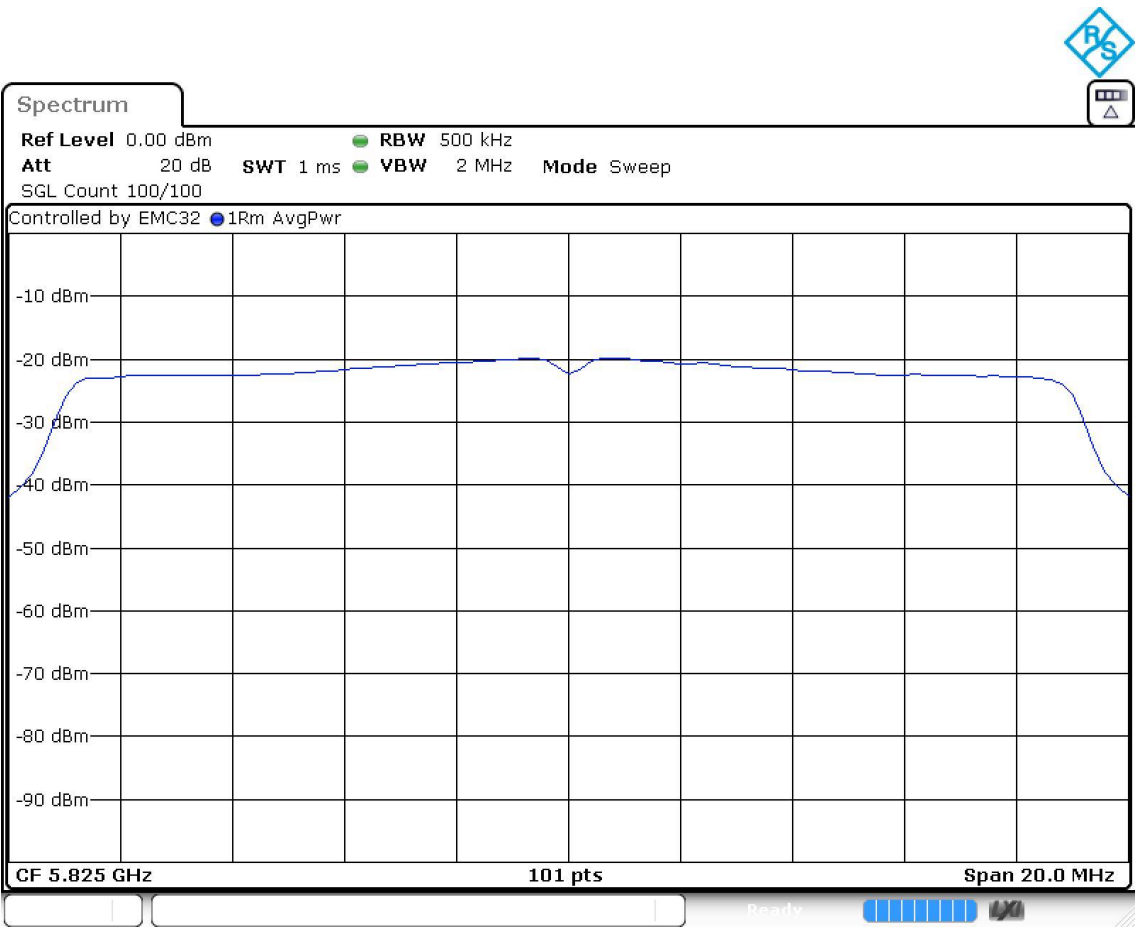
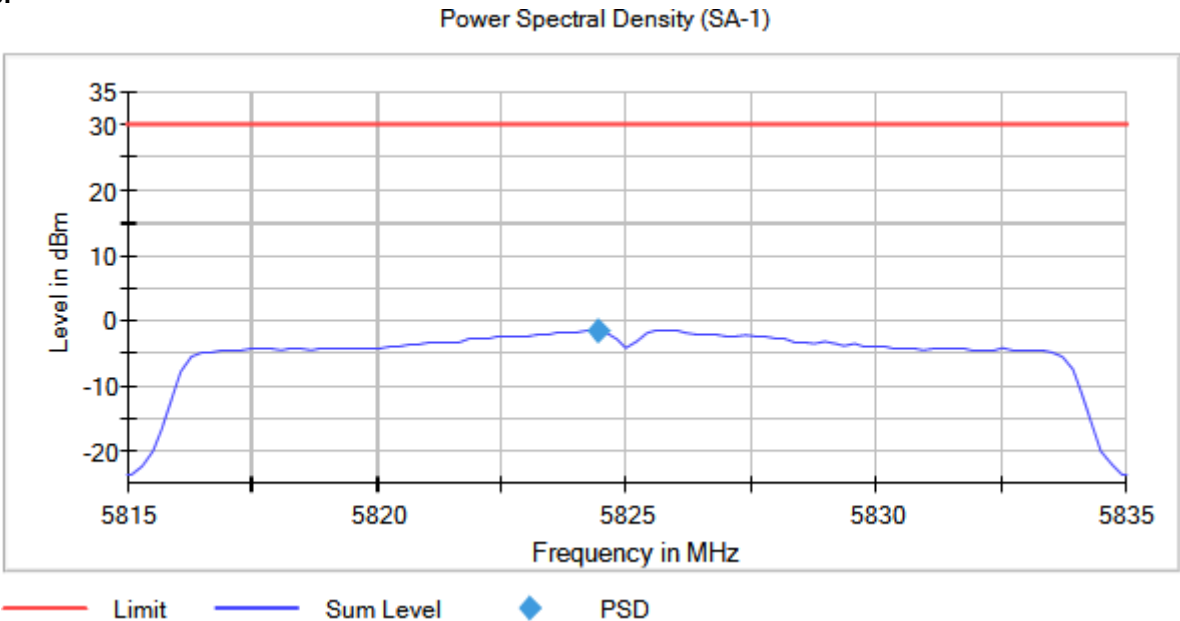
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency MHz = 5785.00000 Modulation = 802.11ac VHT20 (OFDM MCS0)
TPC = No MIMO Mode = SISO

Images:



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency MHz = 5825.00000 Modulation = 802.11ac VHT20 (OFDM MCS0)
TPC = No MIMO Mode = SISO

Images:



Modulation: 802.11ac VHT40 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	TPC	Freq (MHz)	PSD (dBm)
[5725, 5850]	1	5755.00000	No	5755.875000	-6.74
		5795.00000		5793.875000	-6.93

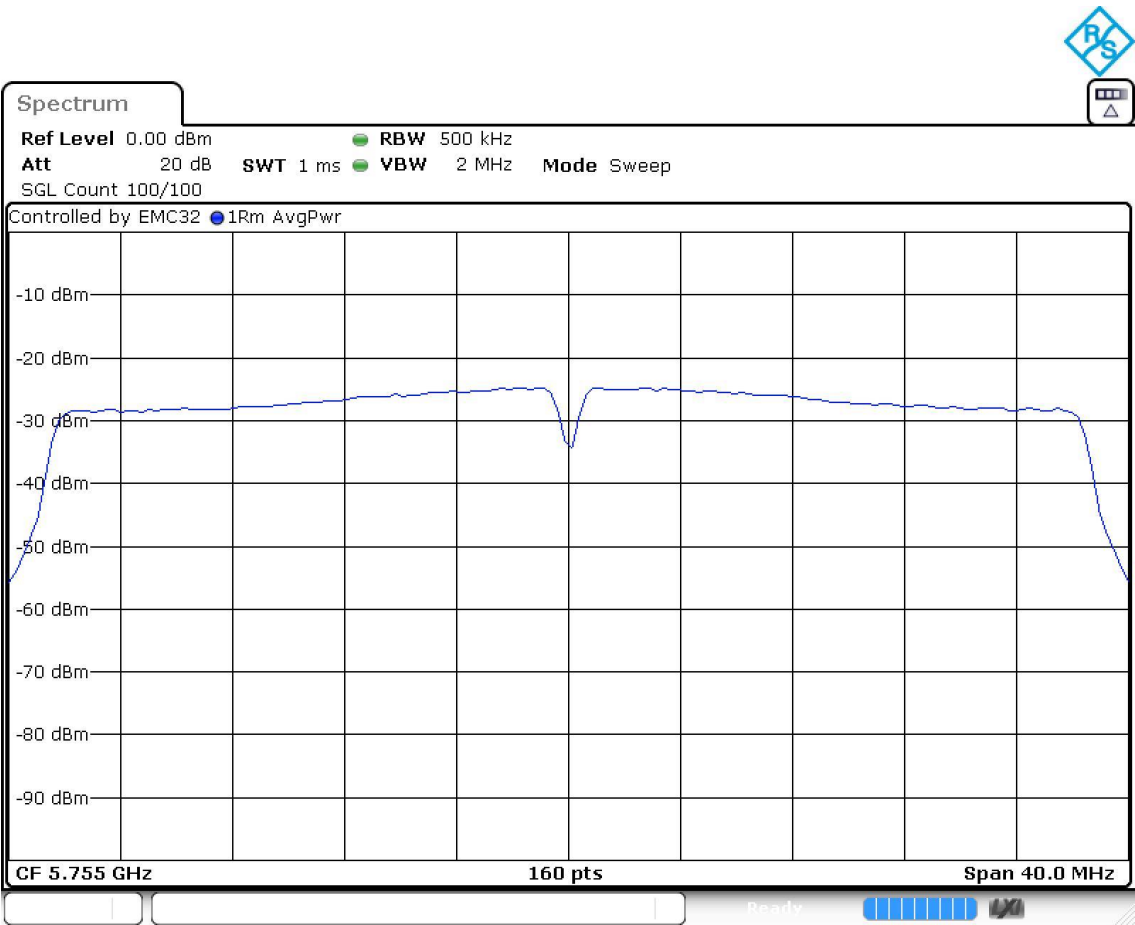
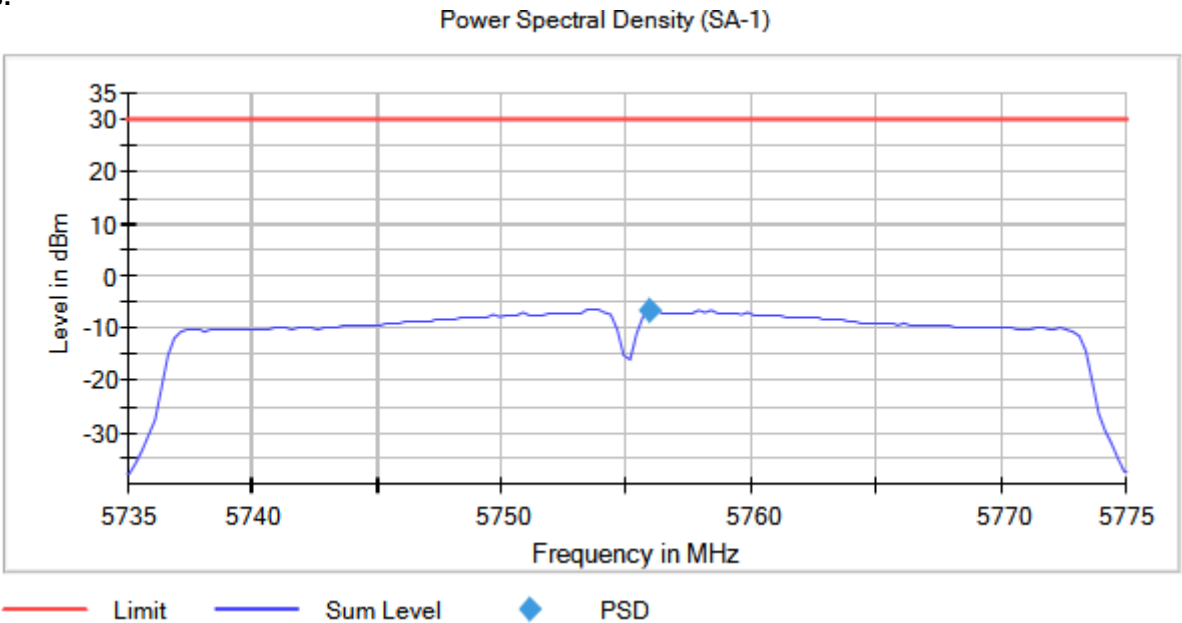
Verdict

Pass

Attachments

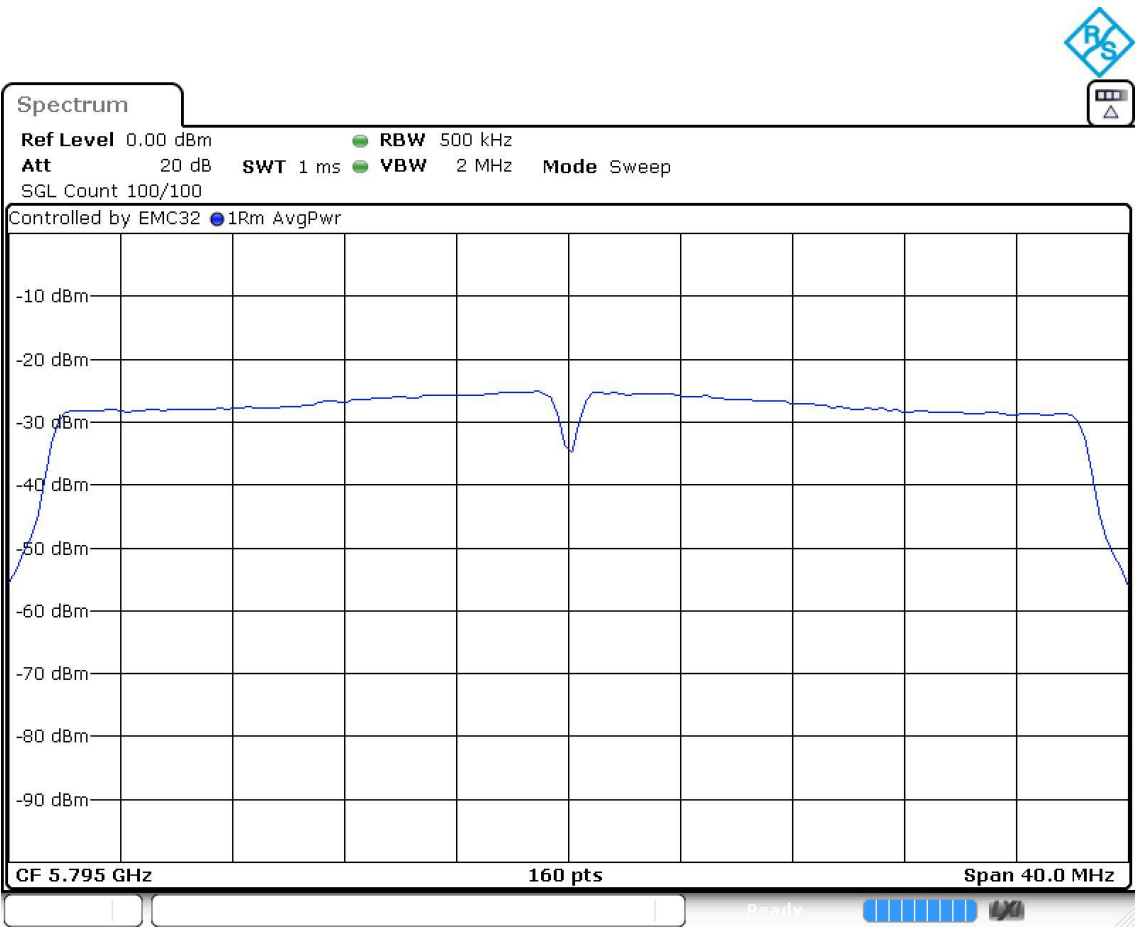
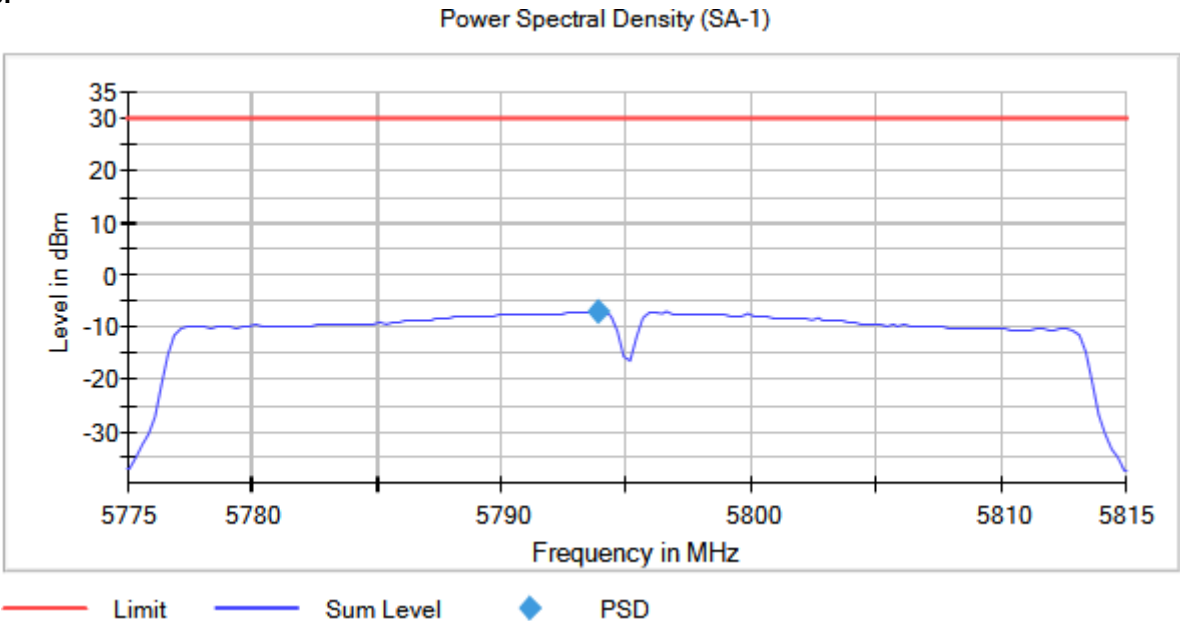
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency MHz = 5755.00000 Modulation = 802.11ac VHT40 (OFDM MCS0)
TPC = No MIMO Mode = SISO

Images:



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency MHz = 5795.00000 Modulation = 802.11ac VHT40 (OFDM MCS0)
TPC = No MIMO Mode = SISO

Images:



Modulation: 802.11ac VHT80 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	TPC	Freq (MHz)	PSD (dBm)
[5725, 5850]	1	5775.00000	No	5778.625000	-7.41

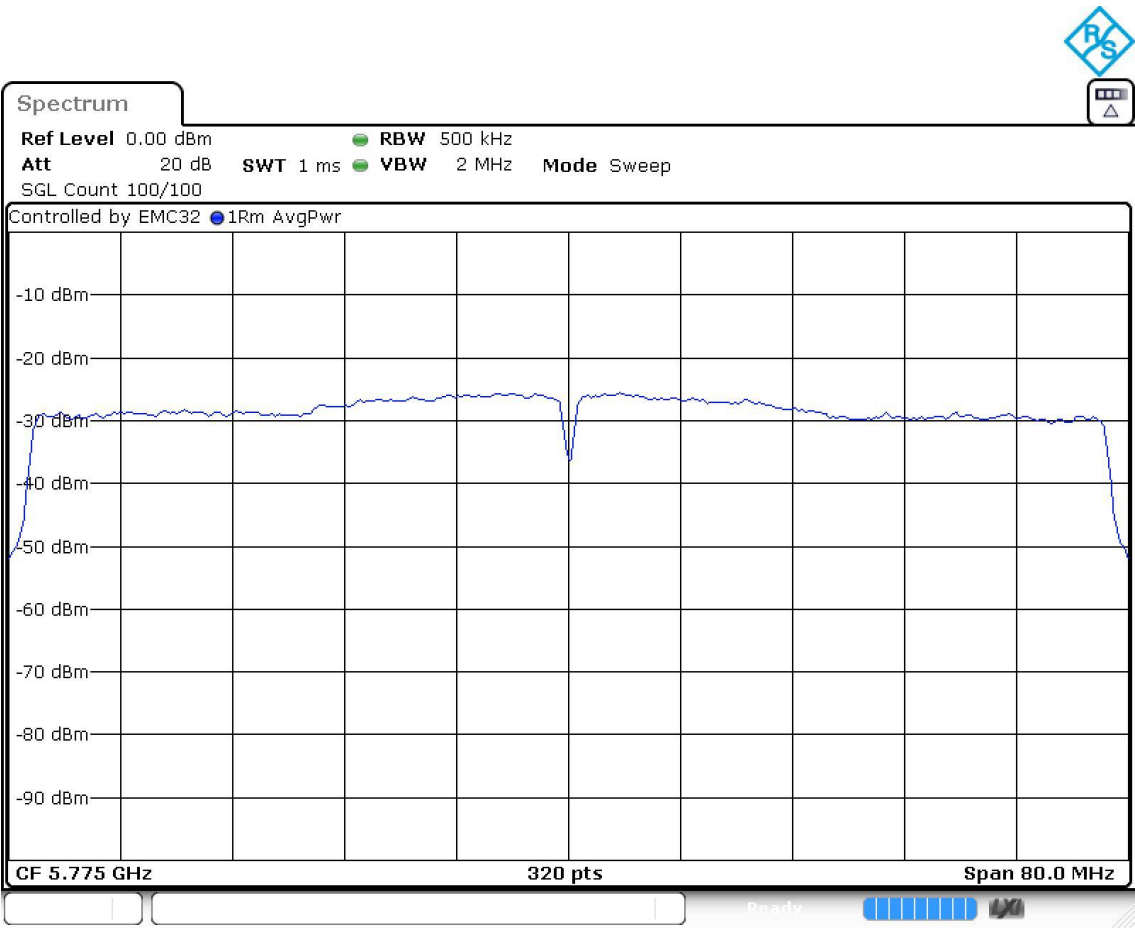
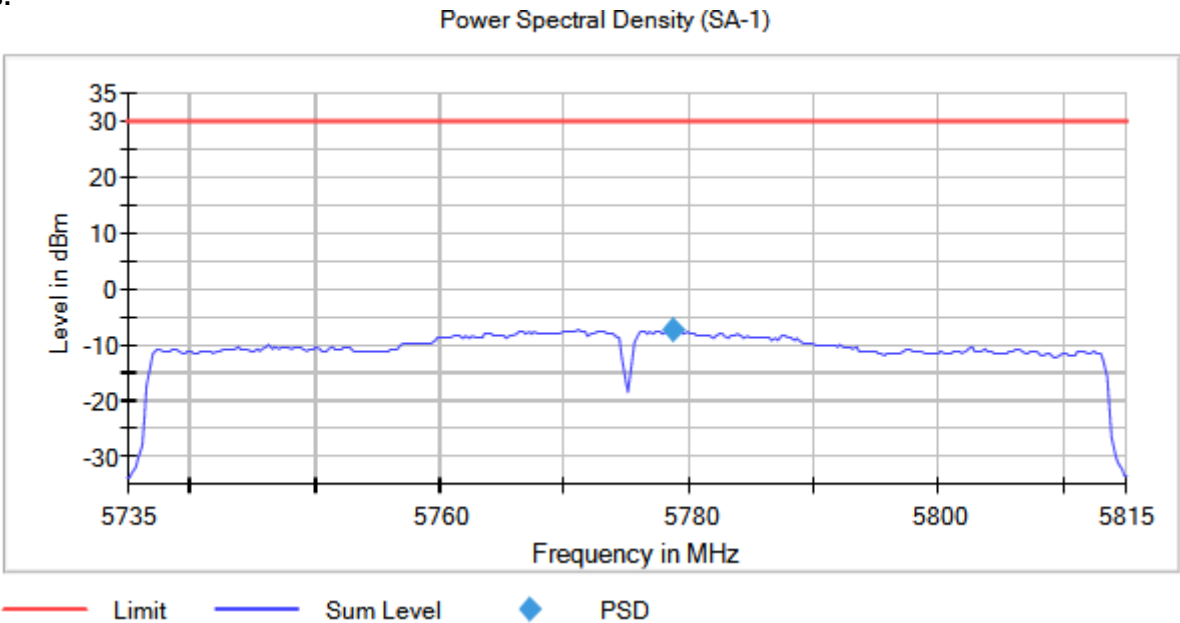
Verdict

Pass

Attachments

Operation Band MHz = [5725, 5850] Active Port = 1
Frequency MHz = 5775.00000 Modulation = 802.11ac VHT80 (OFDM MCS0)
TPC = No MIMO Mode = SISO

Images:



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 5.725-5.850 GHz band

Limits

For transmitters operating in the 5.725–5.85 GHz band:

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.

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)):

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)	-	300
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 40000	500	54	3

The emission limits shown in the above table are based on measurements employing 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.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

The measurement settings for each range of frequency is as follows:

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESW 44] 30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESW 44] 1 GHz - 6,5 GHz	100 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESW 44] 6,5 GHz - 17 GHz	105 kHz	PK+ ; AVG	1 MHz	1 s	30 dB
Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESW 44] 17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency range 30 MHz - 1 GHz

The spurious emissions below 1 GHz do not depend either on the operating channel, the modulation mode selected in the EUT or Radio configured

Spurious frequencies detected at less than 20 dB below the limit:

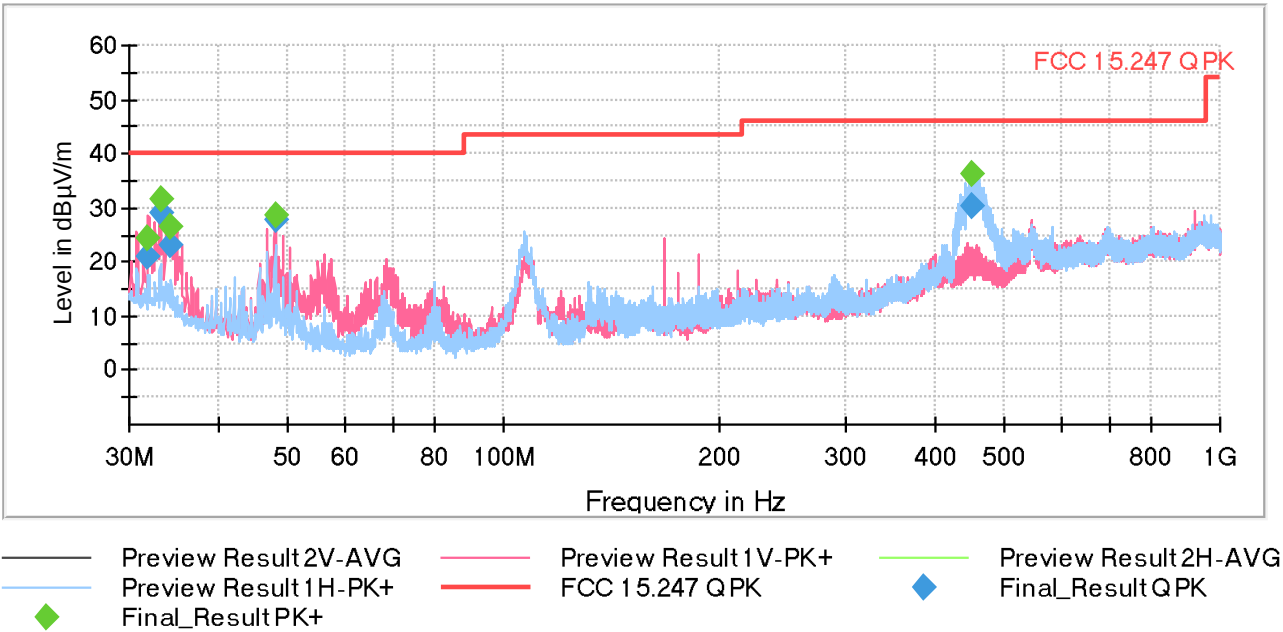
Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Margin (dB)	Pol
31.940000	20.91	---	19.09	V
31.940000	---	24.42	---	V
33.152500	28.83	---	11.17	V
33.152500	---	31.66	---	V
34.316500	23.19	---	16.81	V
34.316500	---	26.61	---	V
47.993500	---	28.55	---	V
47.993500	27.56	---	12.44	V
450.834500	---	36.09	---	H
450.834500	30.29	---	15.71	H

Attachments

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
Receiver: [ESW 44] 30 MHz - 1 GHz	40 kHz	PK+	100 kHz	0,01 s	0 dB
Frequency Range GHz = [0.03, 1]					
Equipment Type = Digital Transmission System (DTS)					
The spurious emissions below 1 GHz do not depend either on the operating channel, the modulation mode selected in the EUT or Radio configured					
MIMO Mode = SISO					
Active Port = 1					

Images:



Modulation: 802.11n HT20 (OFDM MCS0)

MIMO Mode: SISO

Results

No spurious emissions were detected at less than 20 dB from the limit

Verdict

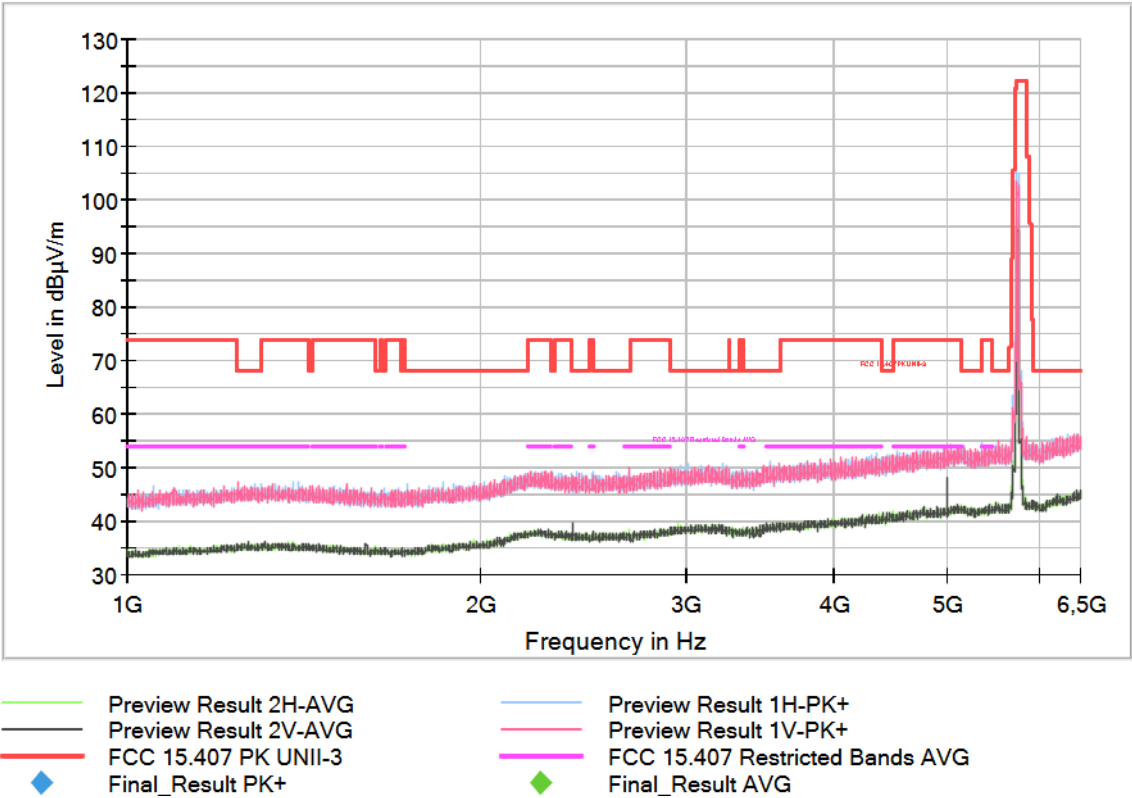
Pass

Attachments

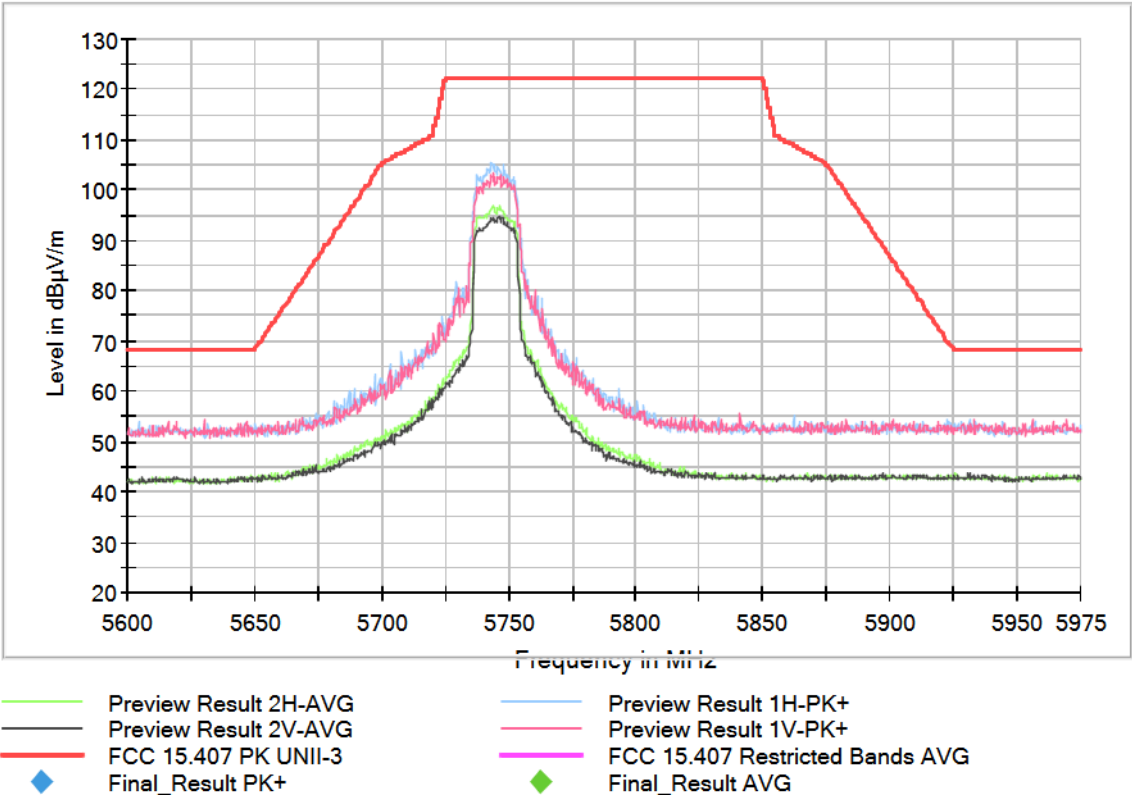
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5745.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



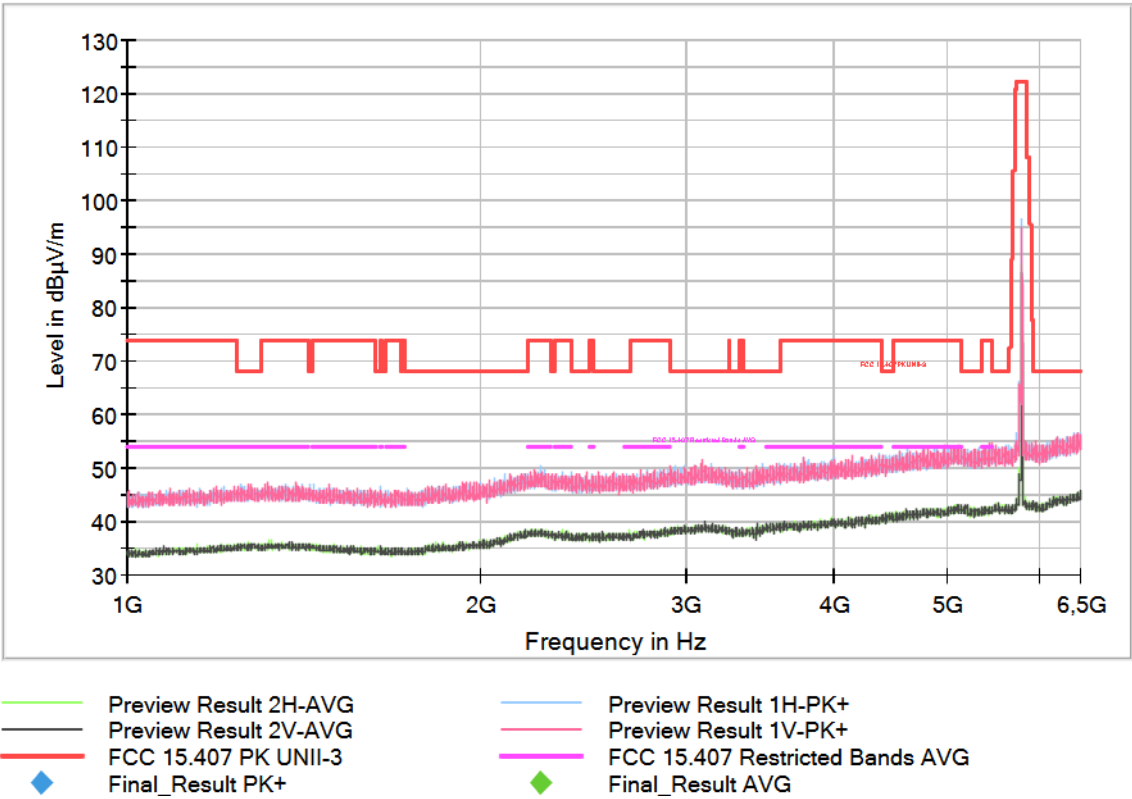
Full Spectrum



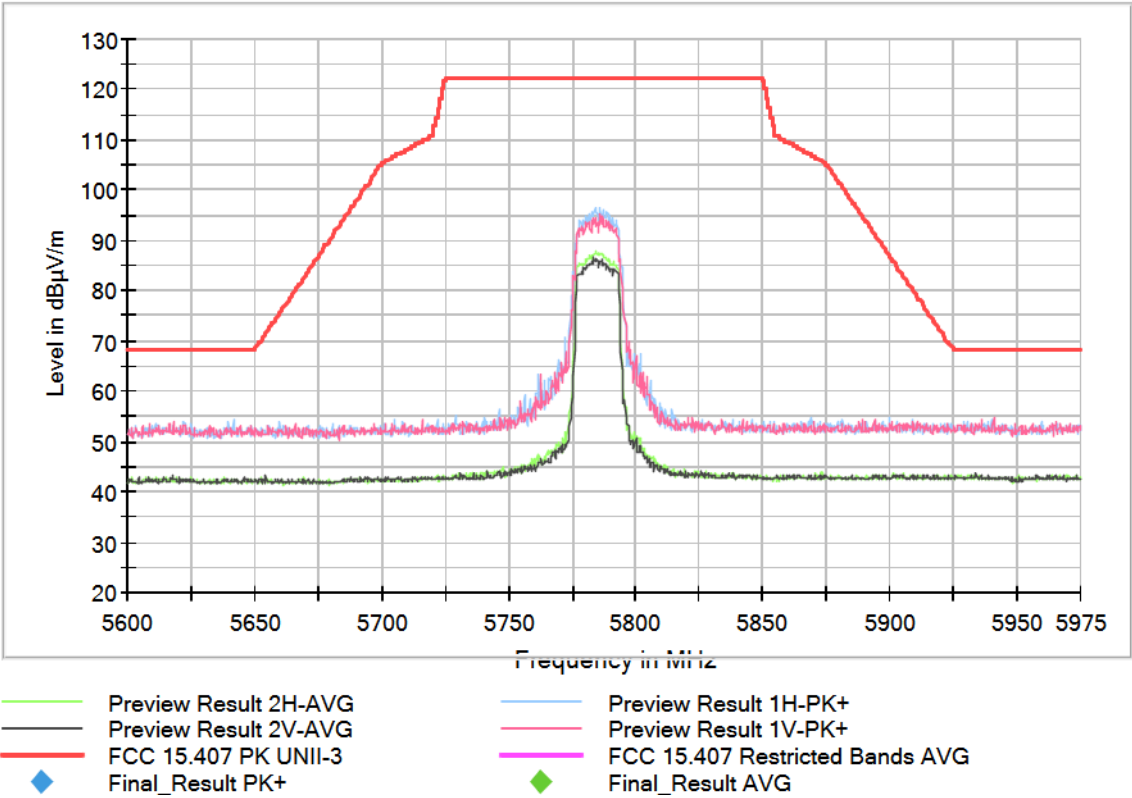
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5785.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



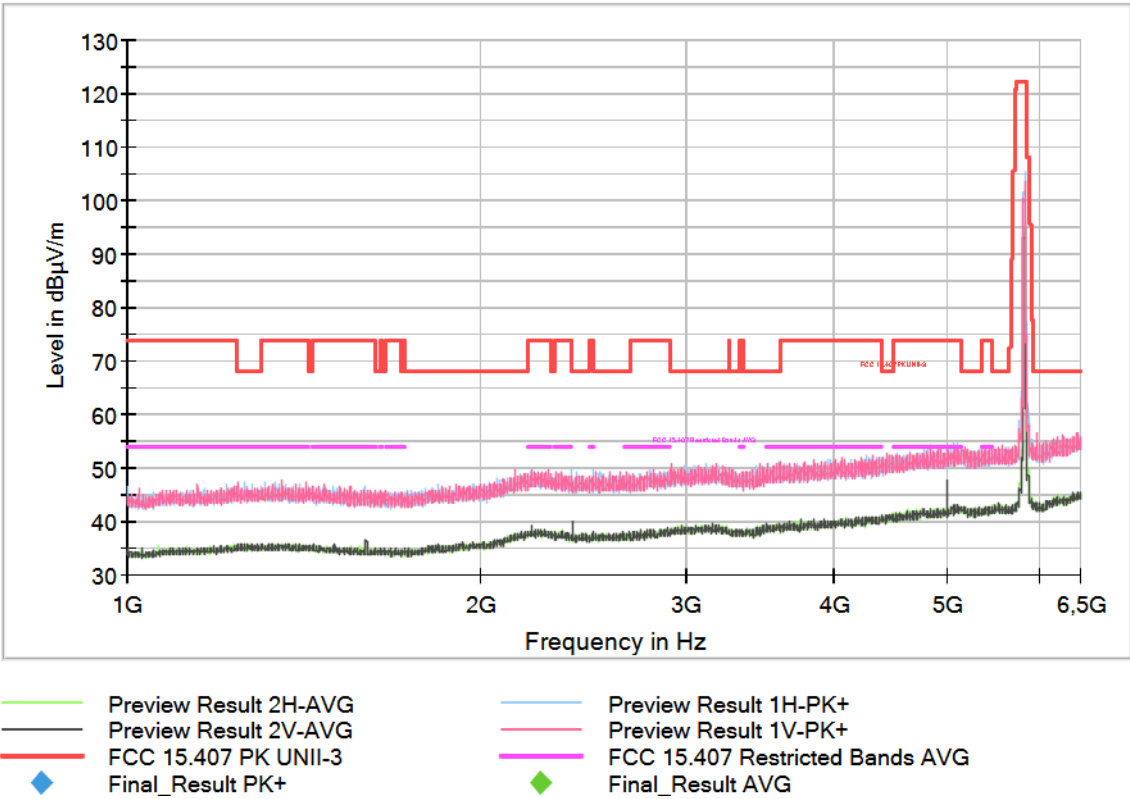
Full Spectrum



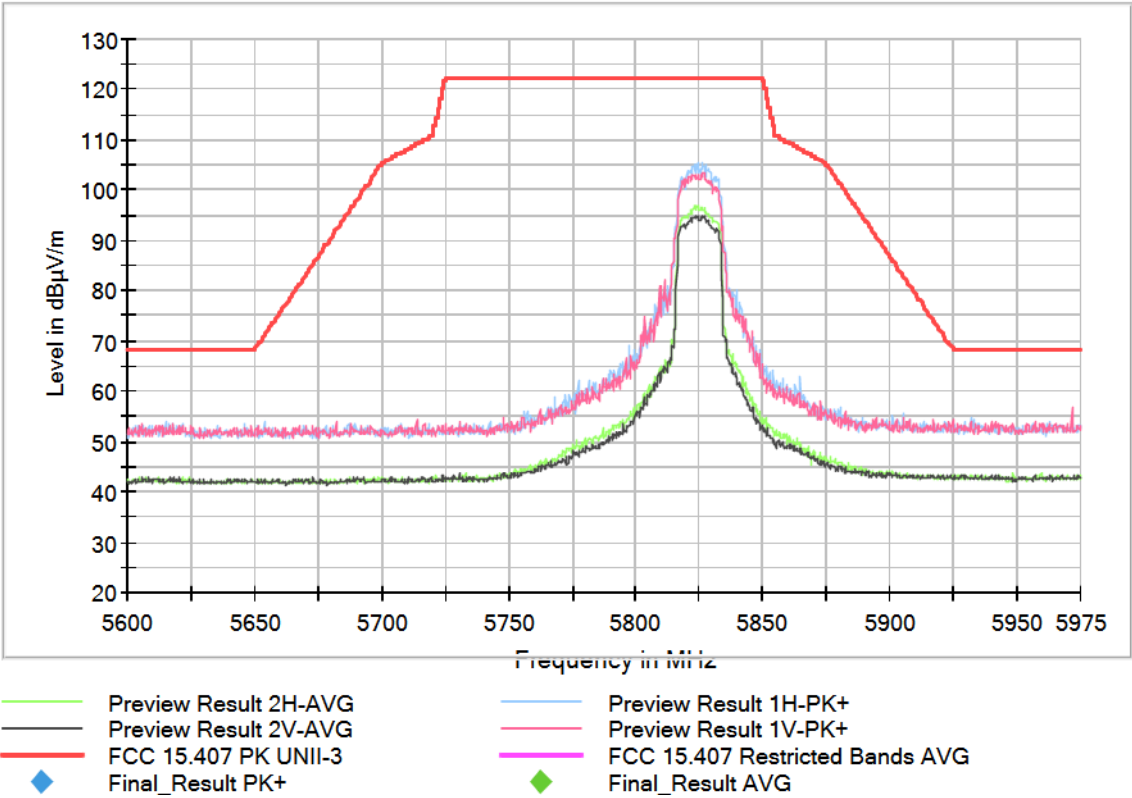
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5825.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



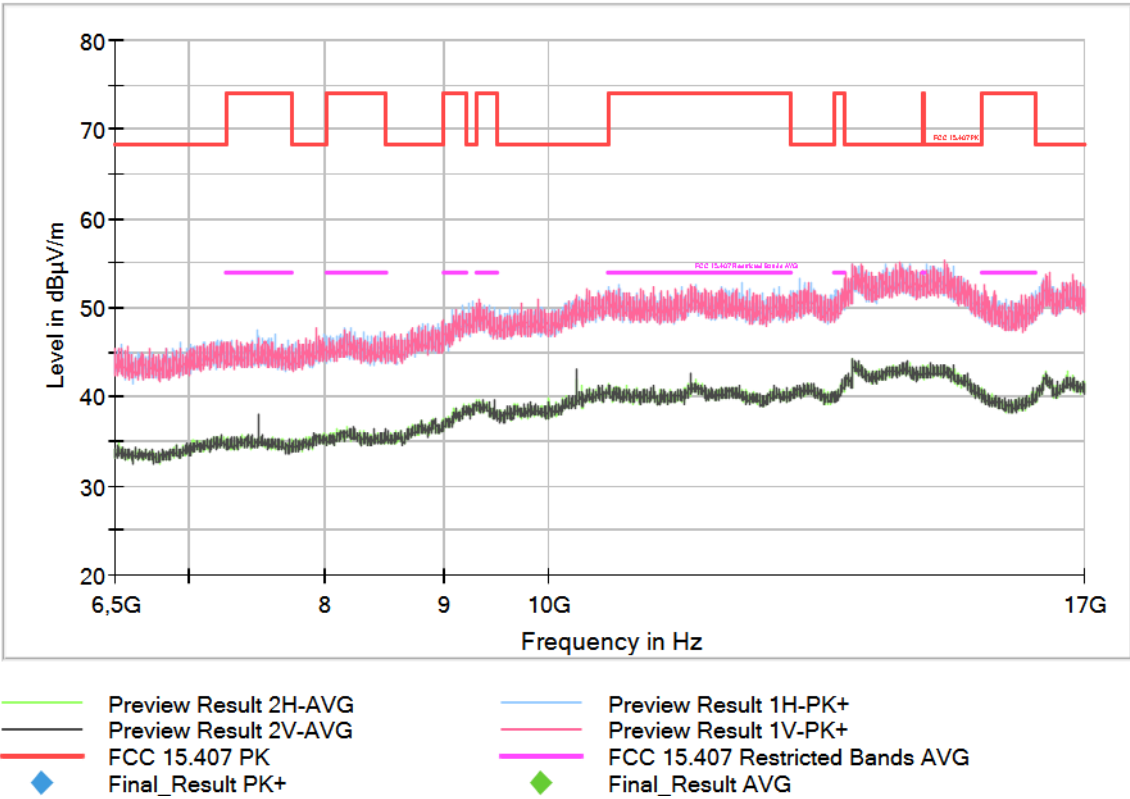
Full Spectrum



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [6.5, 17] Frequency MHz = 5745.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = SISO

Images:

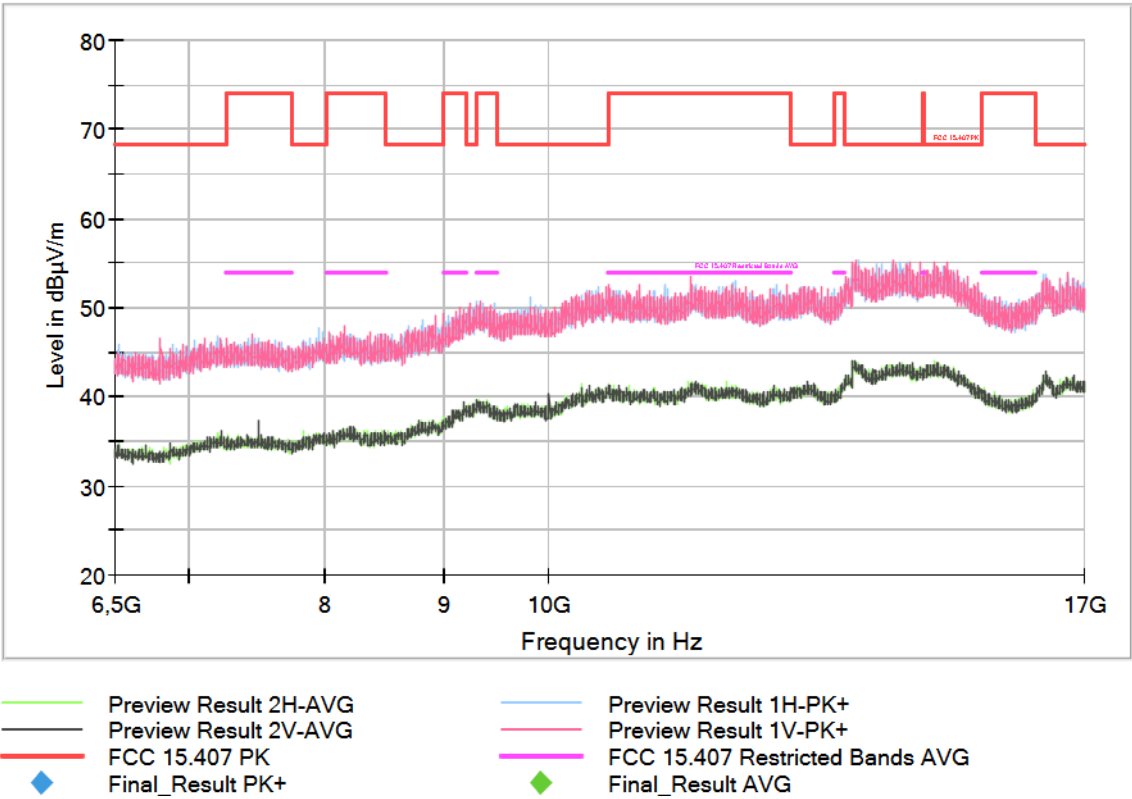
Full Spectrum



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [6.5, 17] Frequency MHz = 5785.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = SISO

Images:

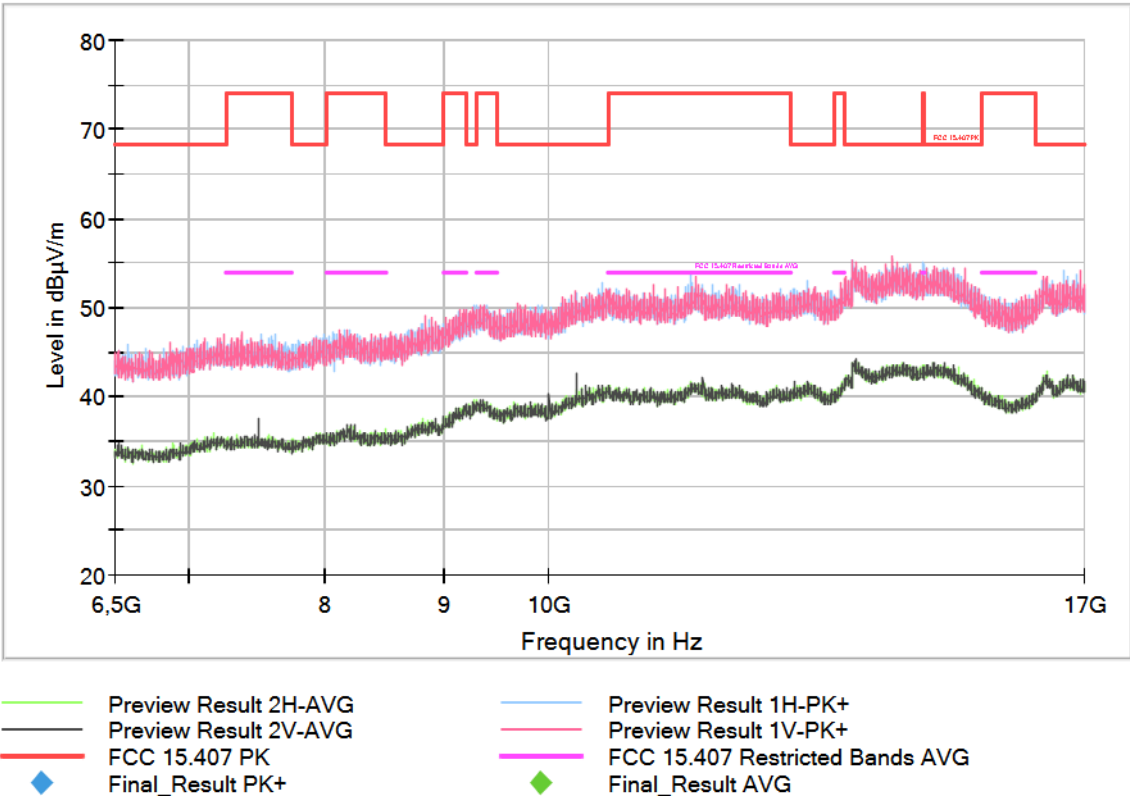
Full Spectrum



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [6.5, 17] Frequency MHz = 5825.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



Modulation: 802.11n HT40 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[5725, 5850]	1	[1, 6.5]	5795.00000	5014.725	53.95	H	PK
				5014.725	42.74	H	AVG

Verdict

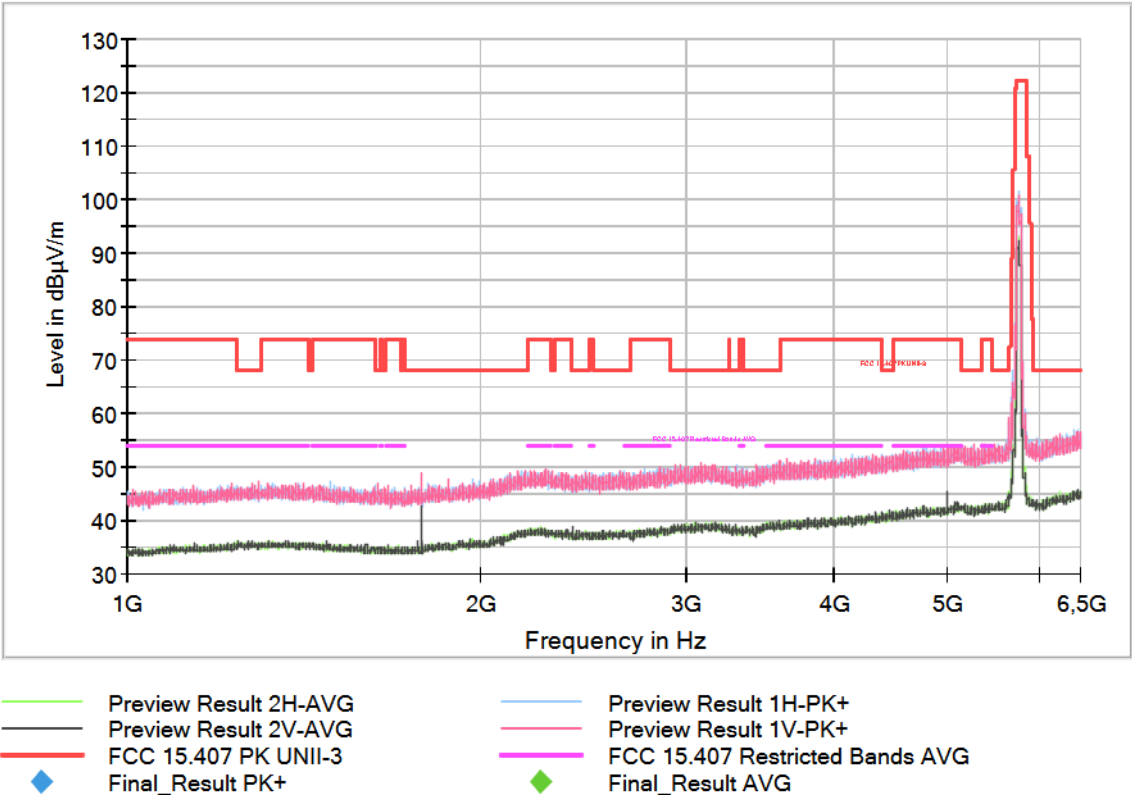
Pass

Attachments

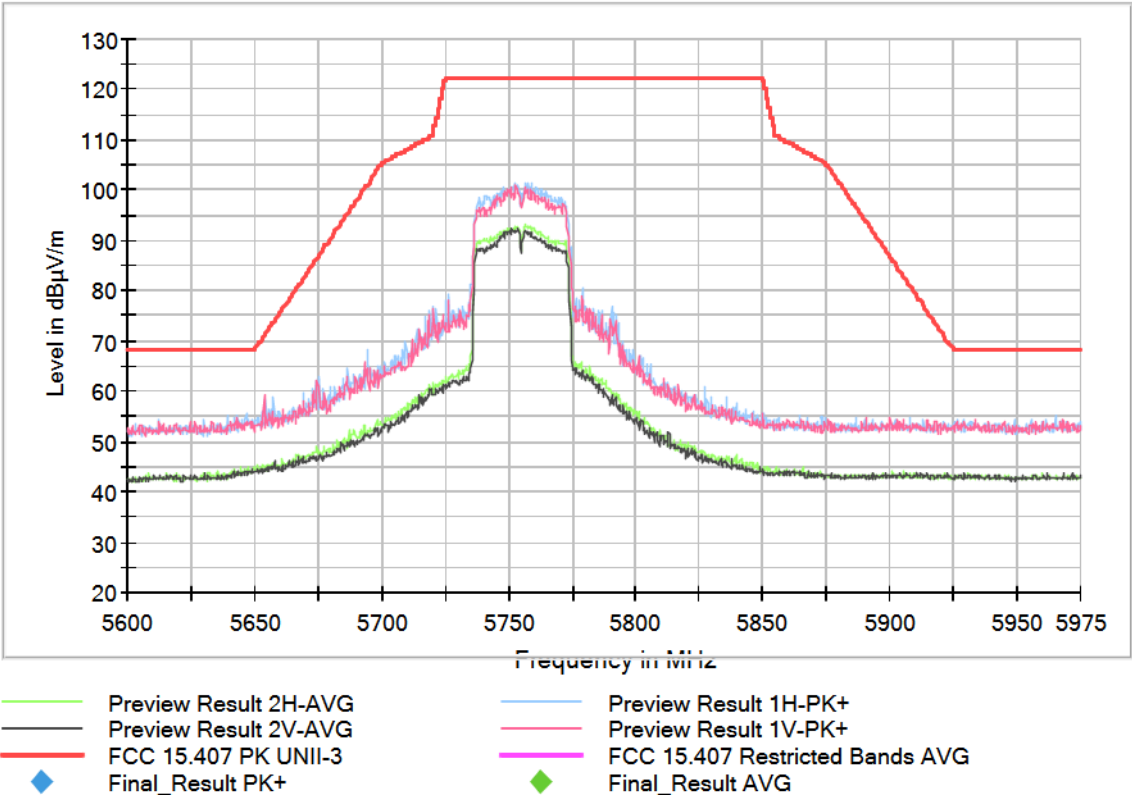
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5755.00000
Modulation = 802.11n HT40 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



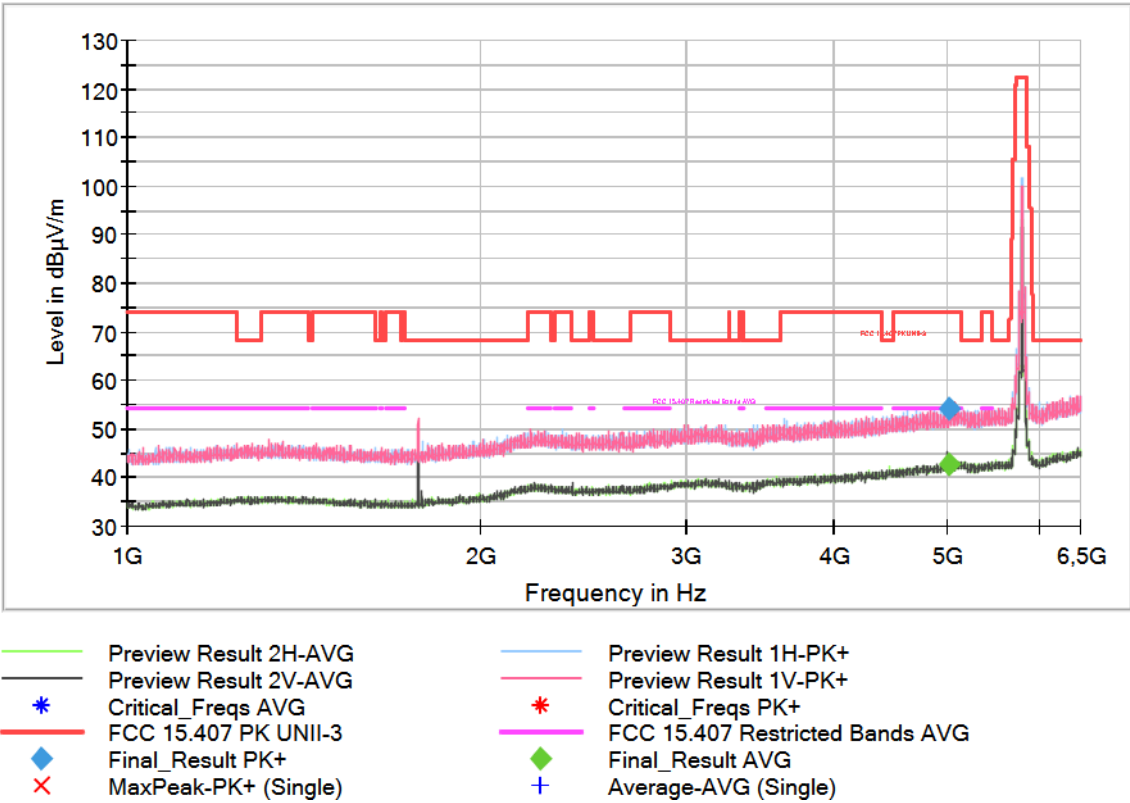
Full Spectrum



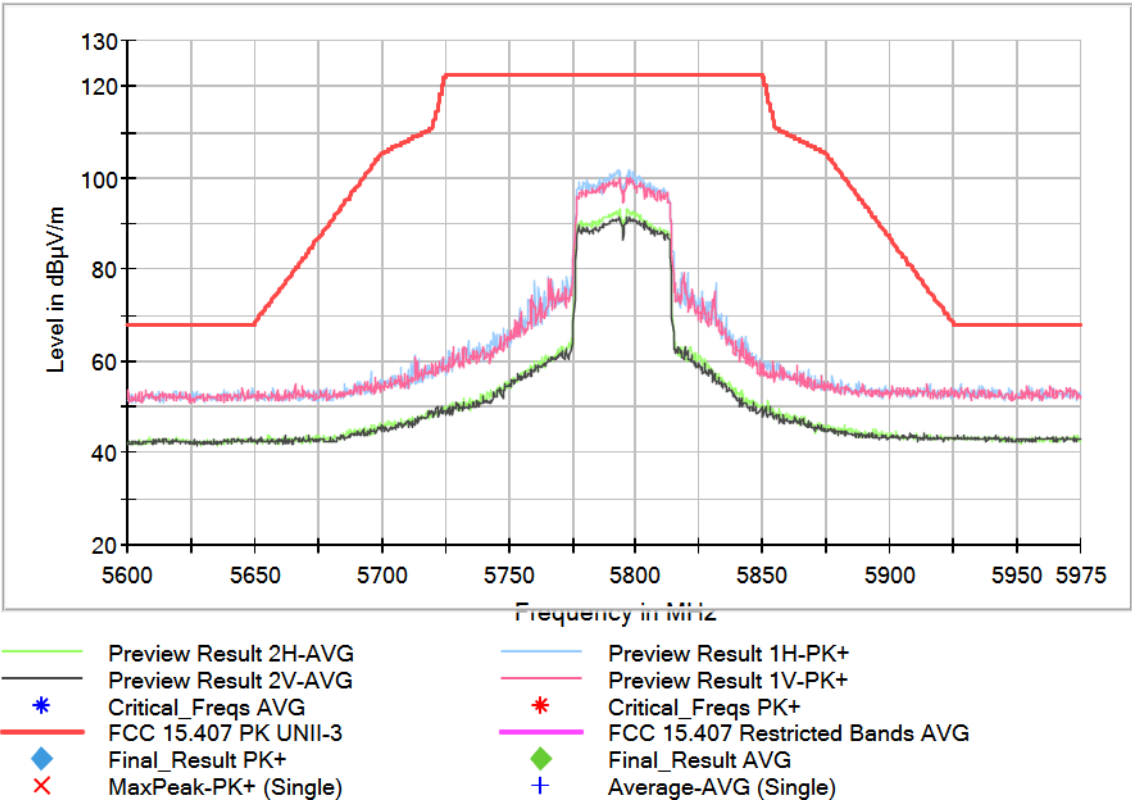
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5795.00000
Modulation = 802.11n HT40 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



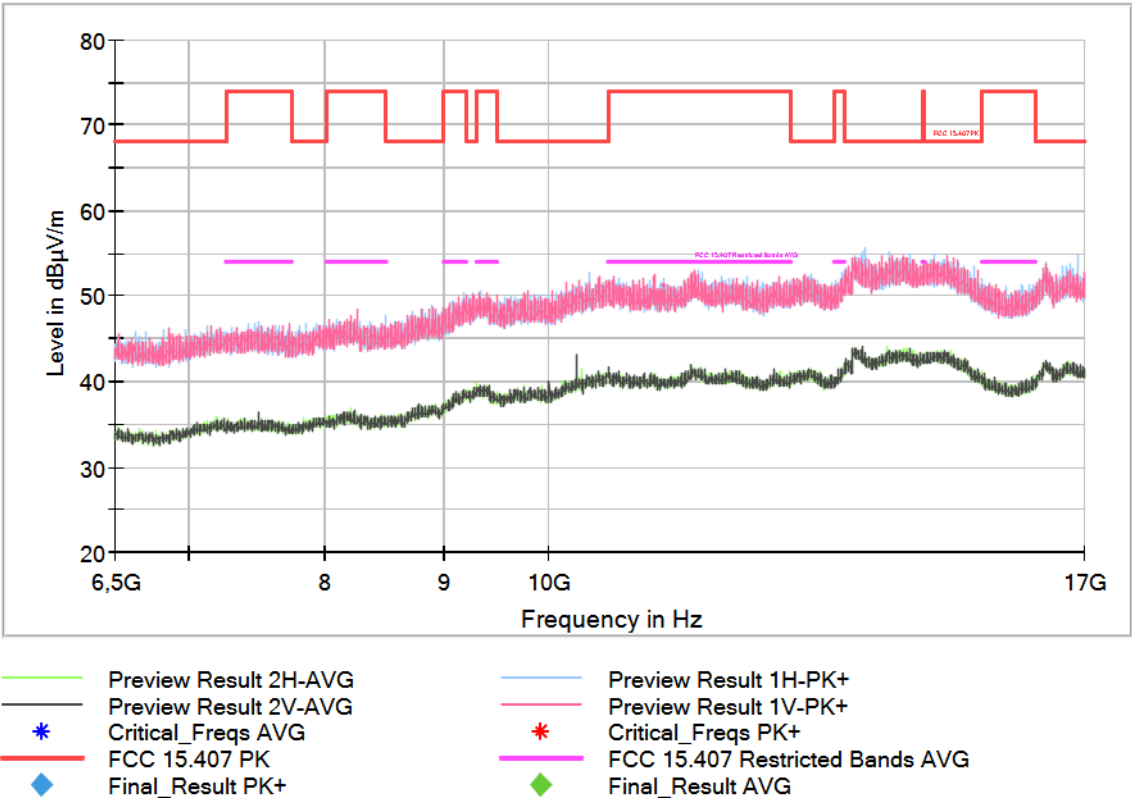
Full Spectrum



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [6.5, 17] Frequency MHz = 5755.00000
Modulation = 802.11n HT40 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



Operation Band MHz = [5725, 5850]

Active Port = 1

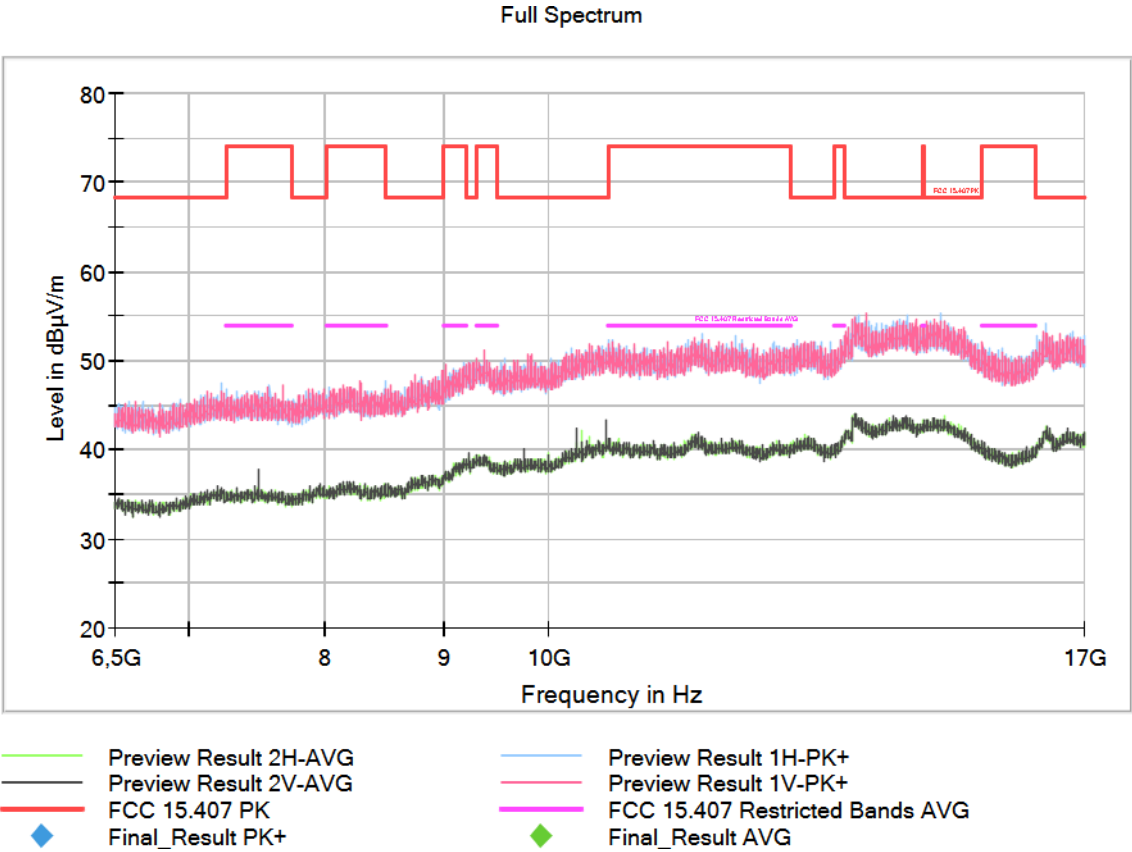
Frequency Range GHz = [6.5, 17]

Frequency MHz = 5795.00000

Modulation = 802.11n HT40 (OFDM MCS0)

MIMO Mode = SISO

Images:



Modulation: 802.11a (OFDM 6 Mbit/s)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[5725, 5850]	1	[1, 6.5]	5825.00000	4999.600	44.92	V	AVG
				4999.600	56.02	V	PK

Verdict

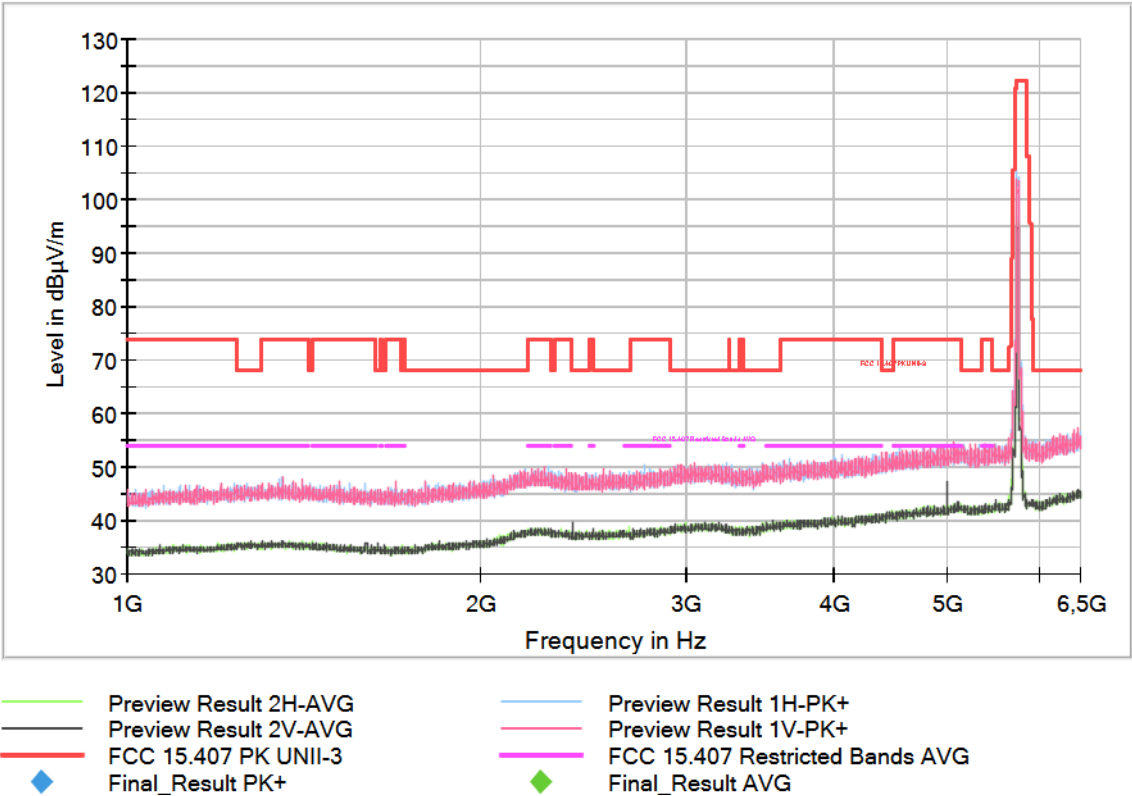
Pass

Attachments

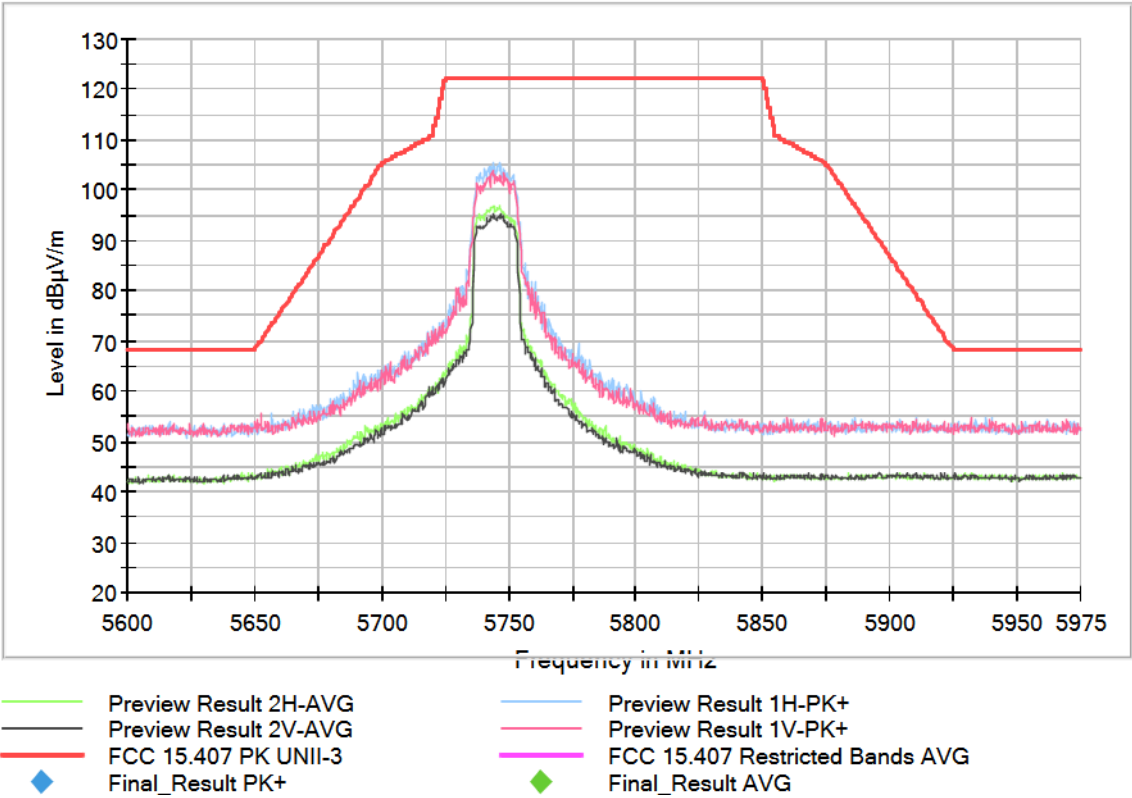
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5745.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:

Full Spectrum



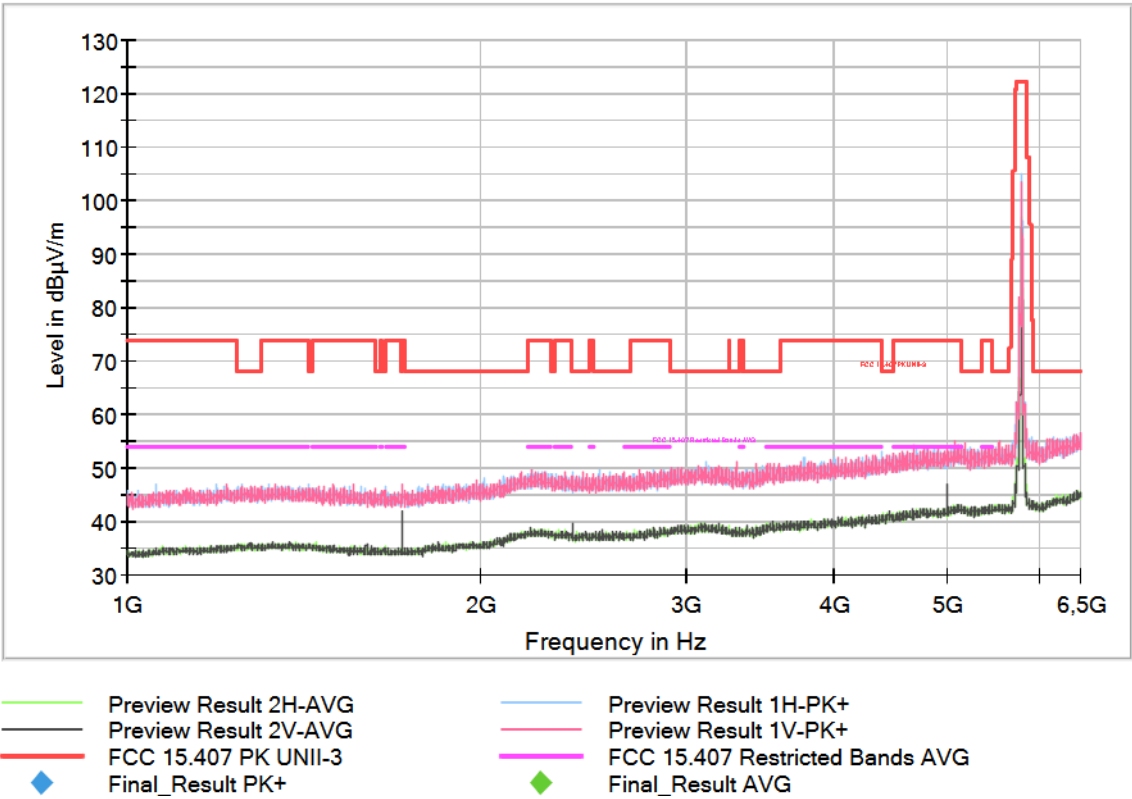
Full Spectrum



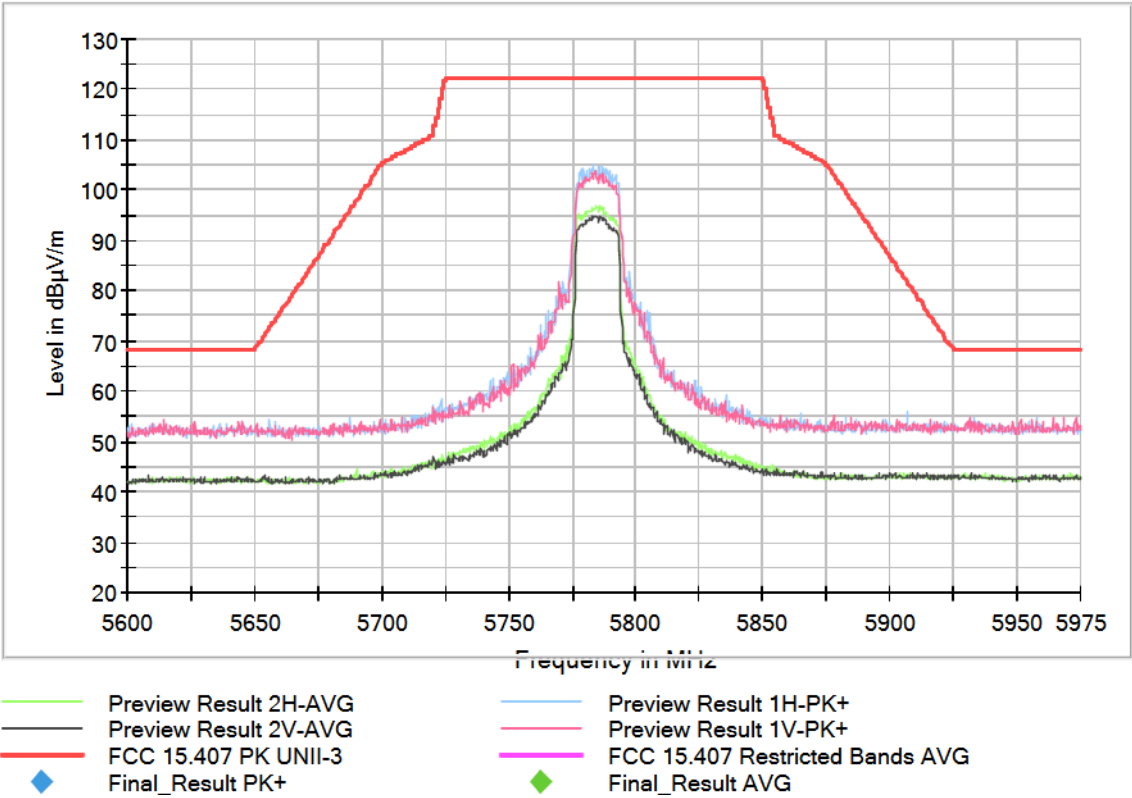
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5785.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:

Full Spectrum



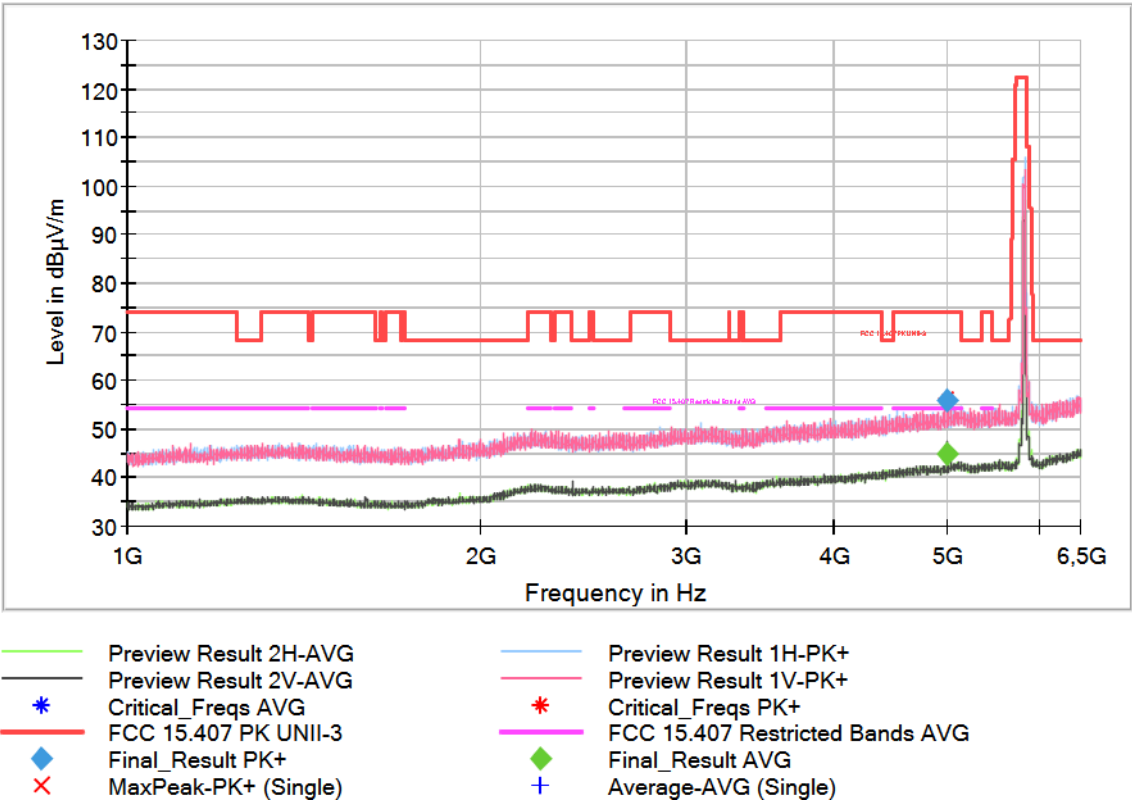
Full Spectrum



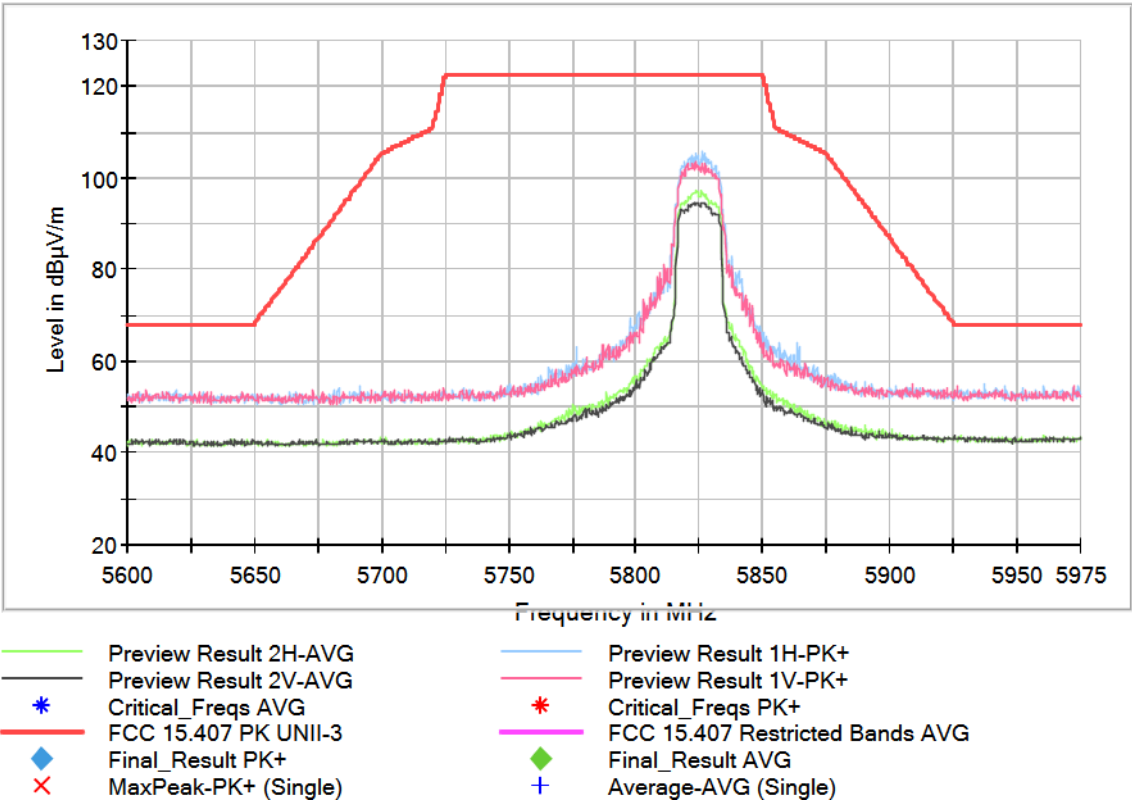
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5825.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:

Full Spectrum



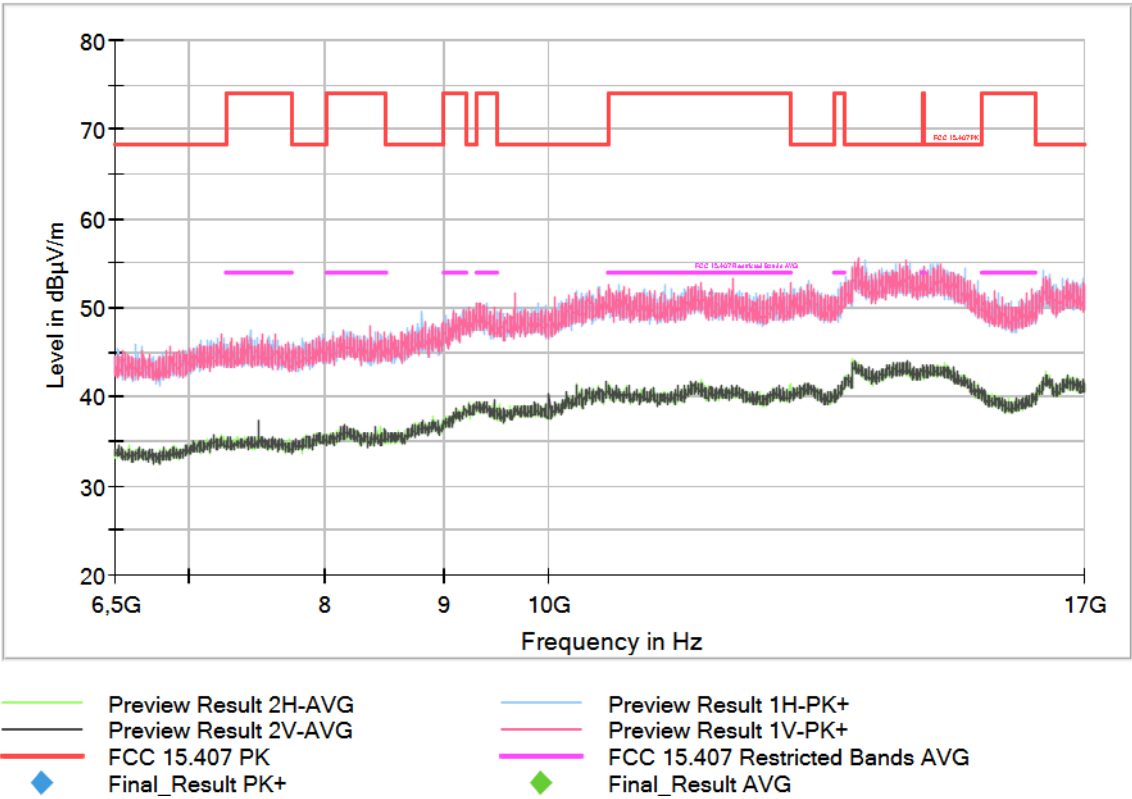
Full Spectrum



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [6.5, 17] Frequency MHz = 5745.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:

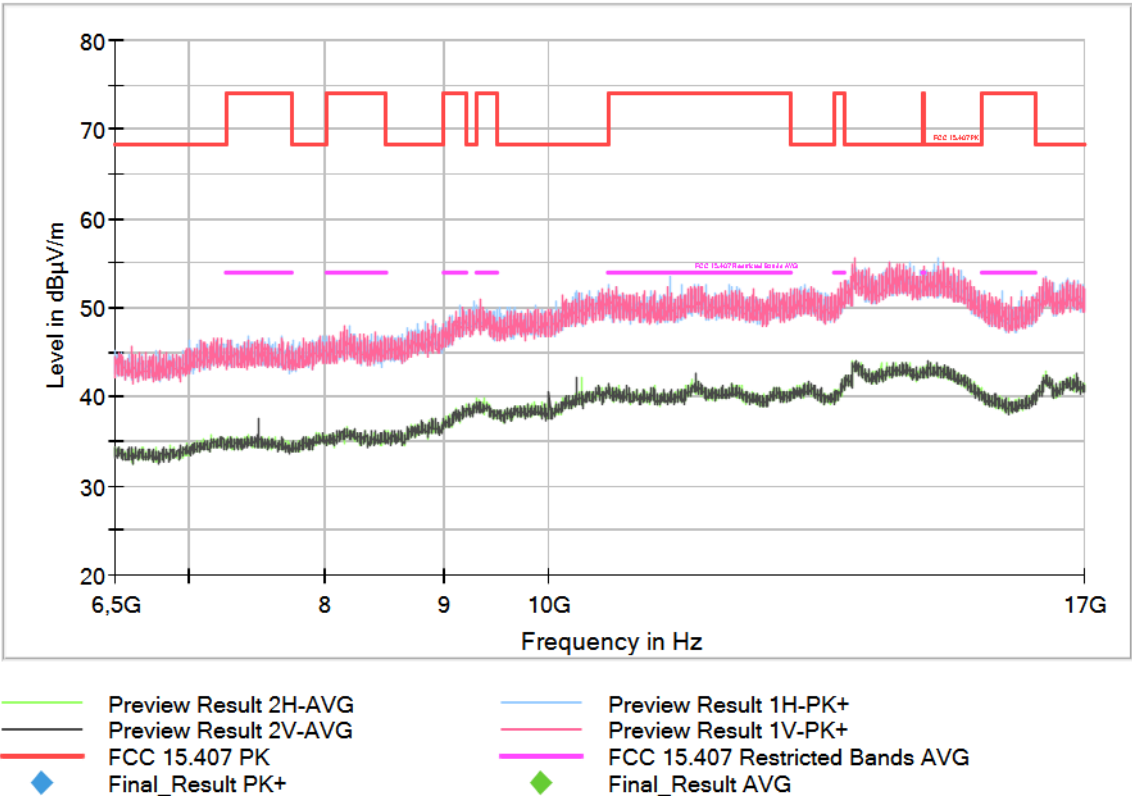
Full Spectrum



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [6.5, 17] Frequency MHz = 5785.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:

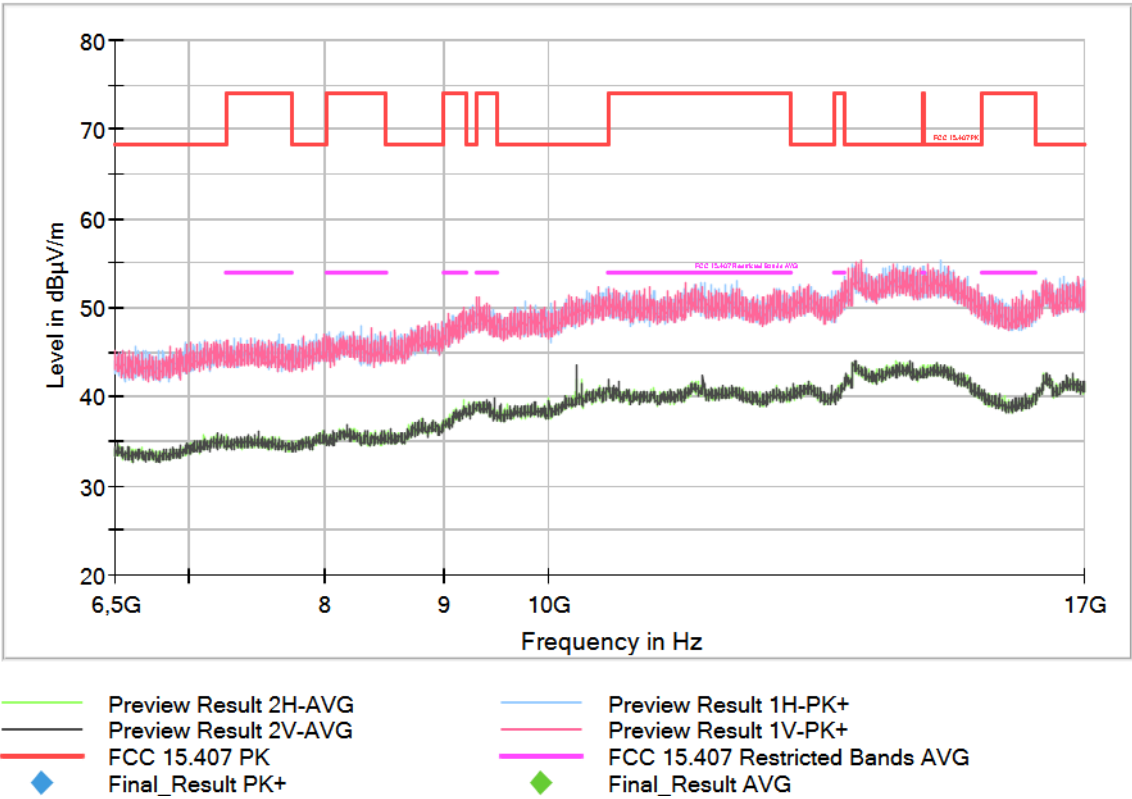
Full Spectrum



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [6.5, 17] Frequency MHz = 5825.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:

Full Spectrum



Modulation: 802.11ac VHT20 (OFDM MCS0)

MIMO Mode: SISO

Results

No spurious emissions were detected at less than 20 dB from the limit

Verdict

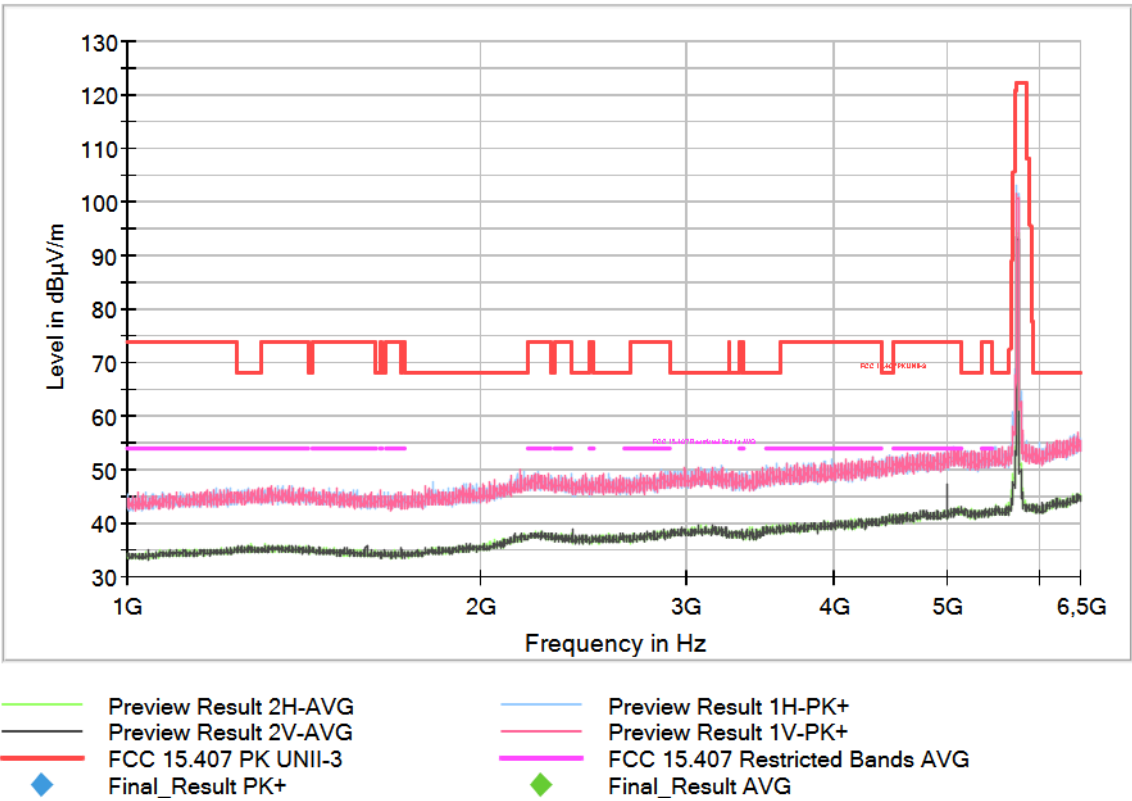
Pass

Attachments

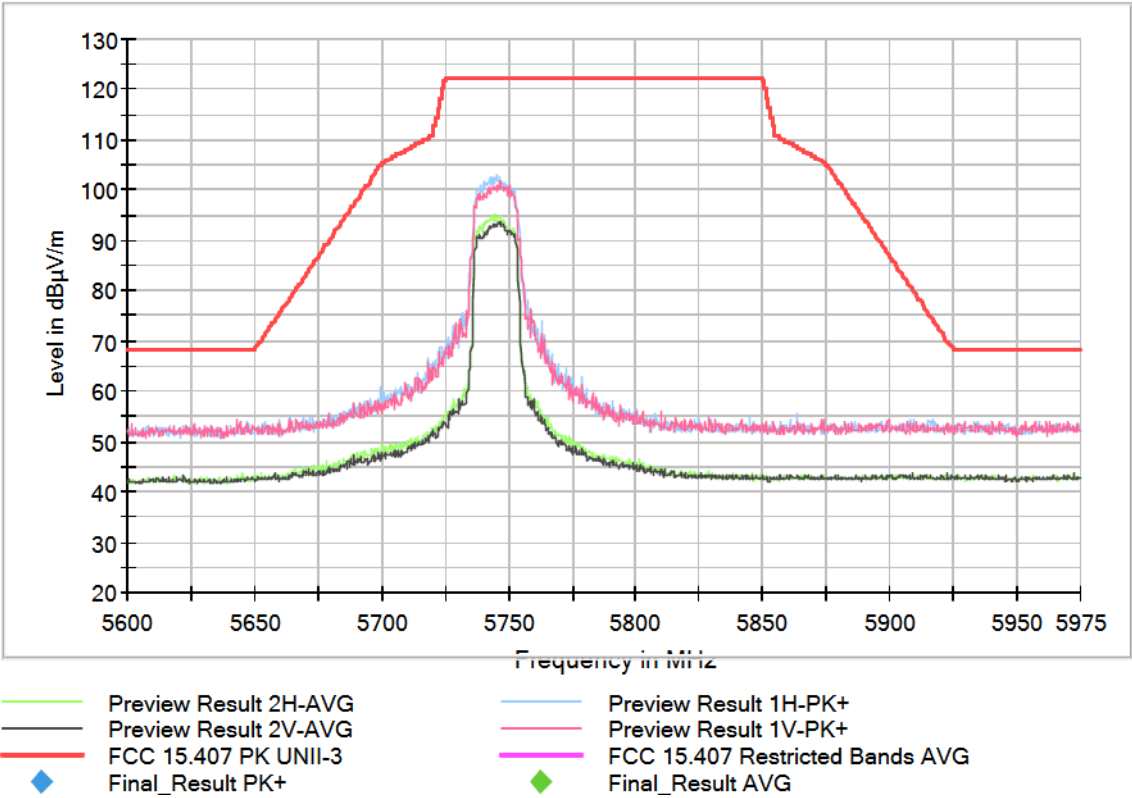
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5745.00000
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



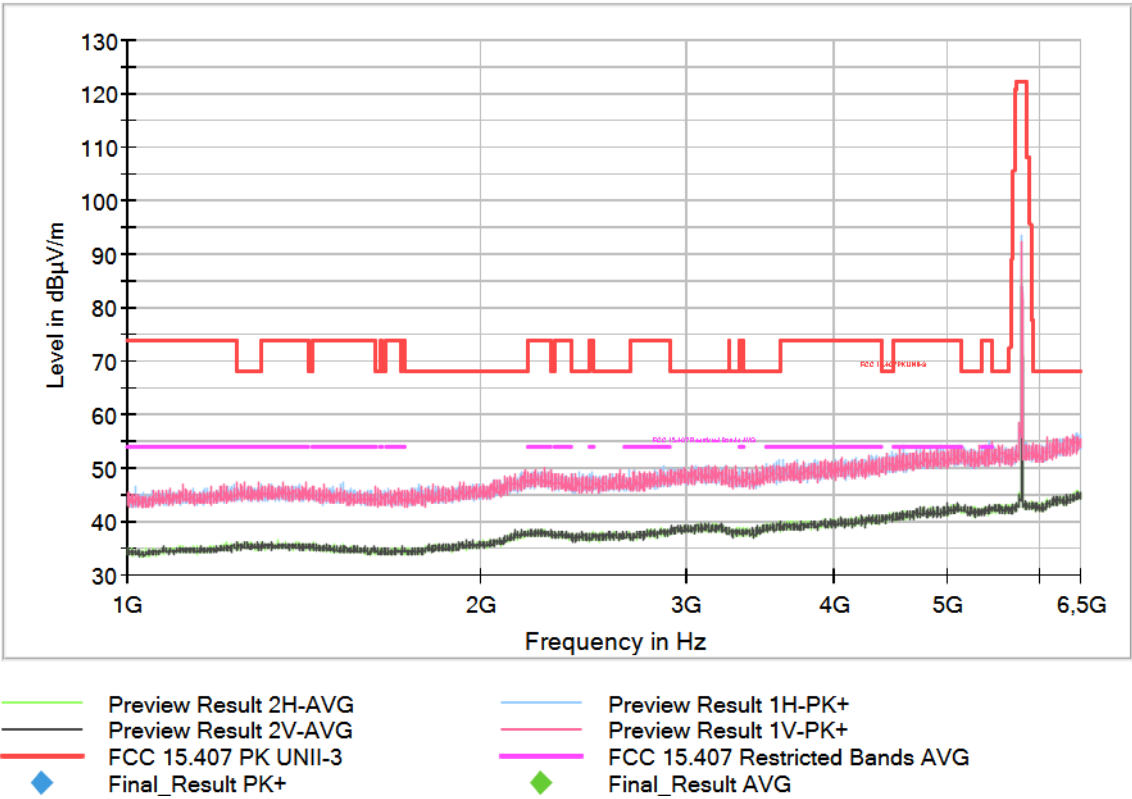
Full Spectrum



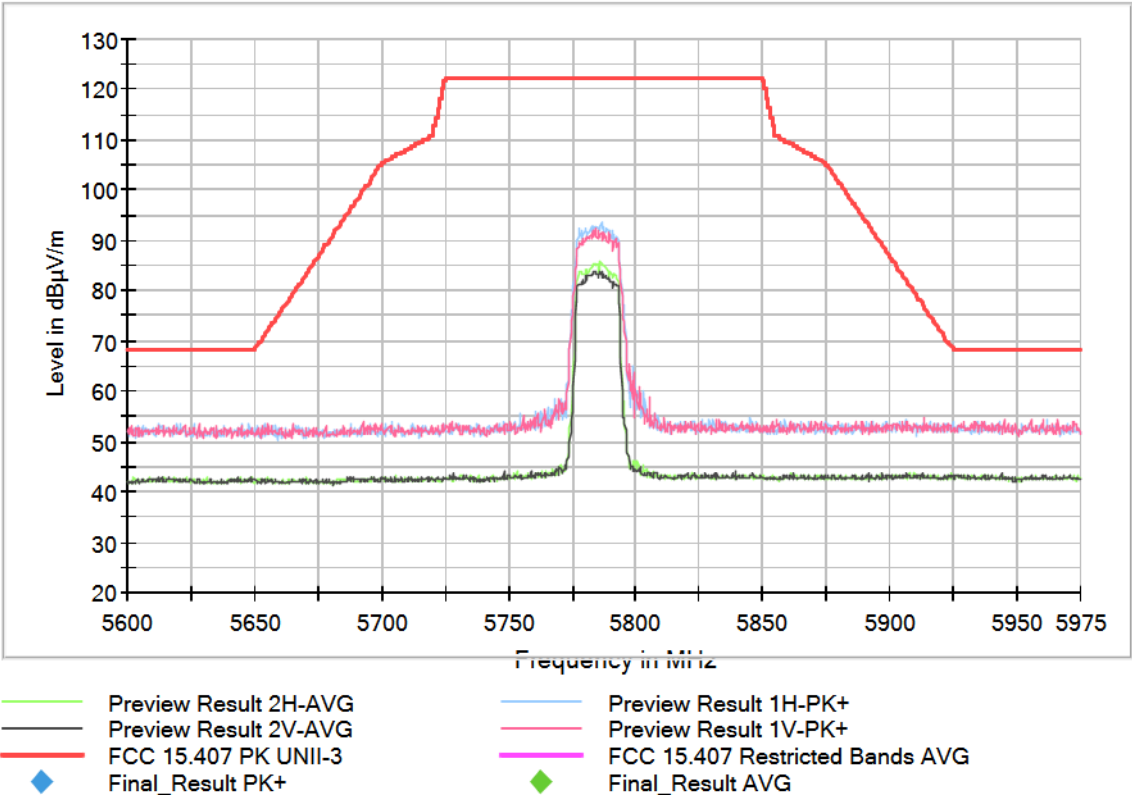
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5785.00000
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



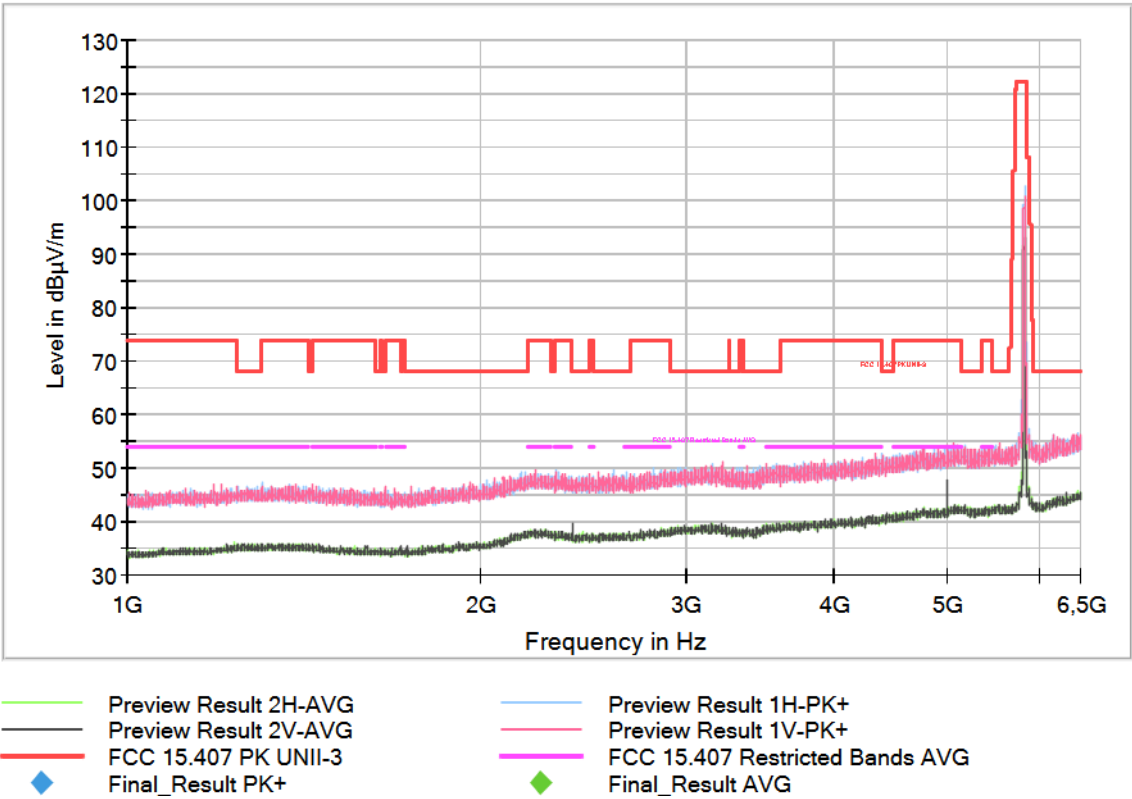
Full Spectrum



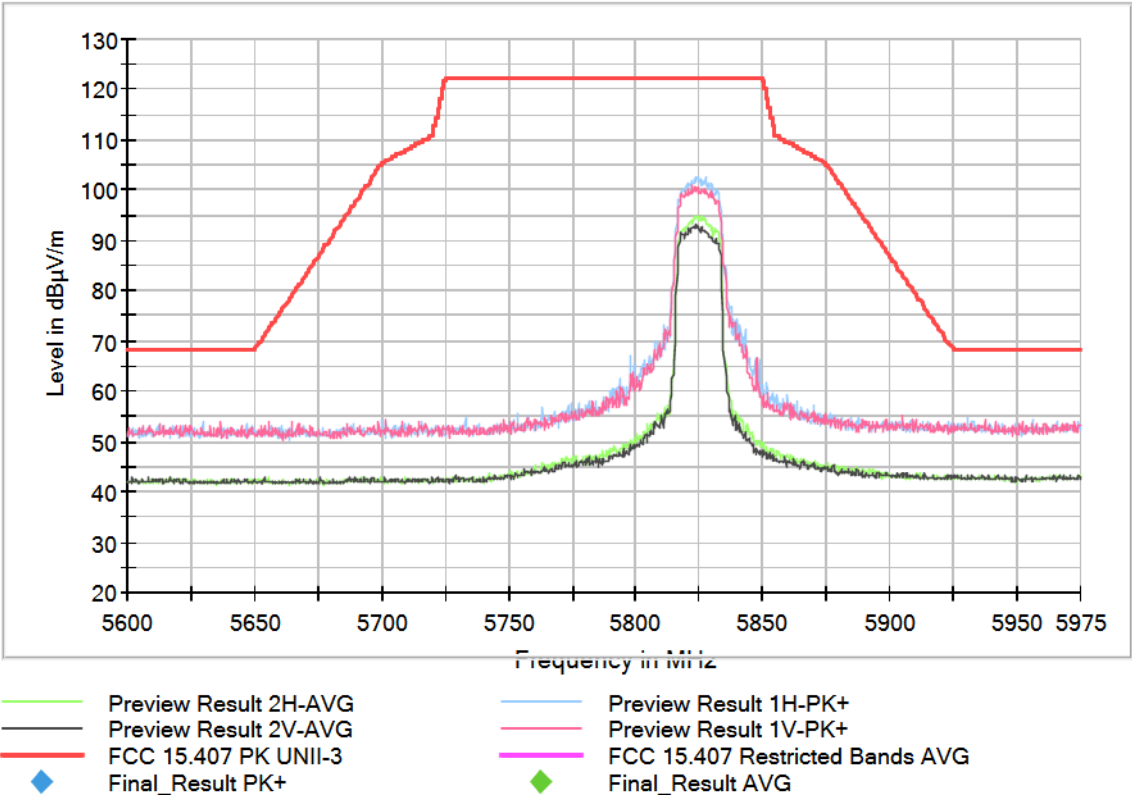
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5825.00000
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



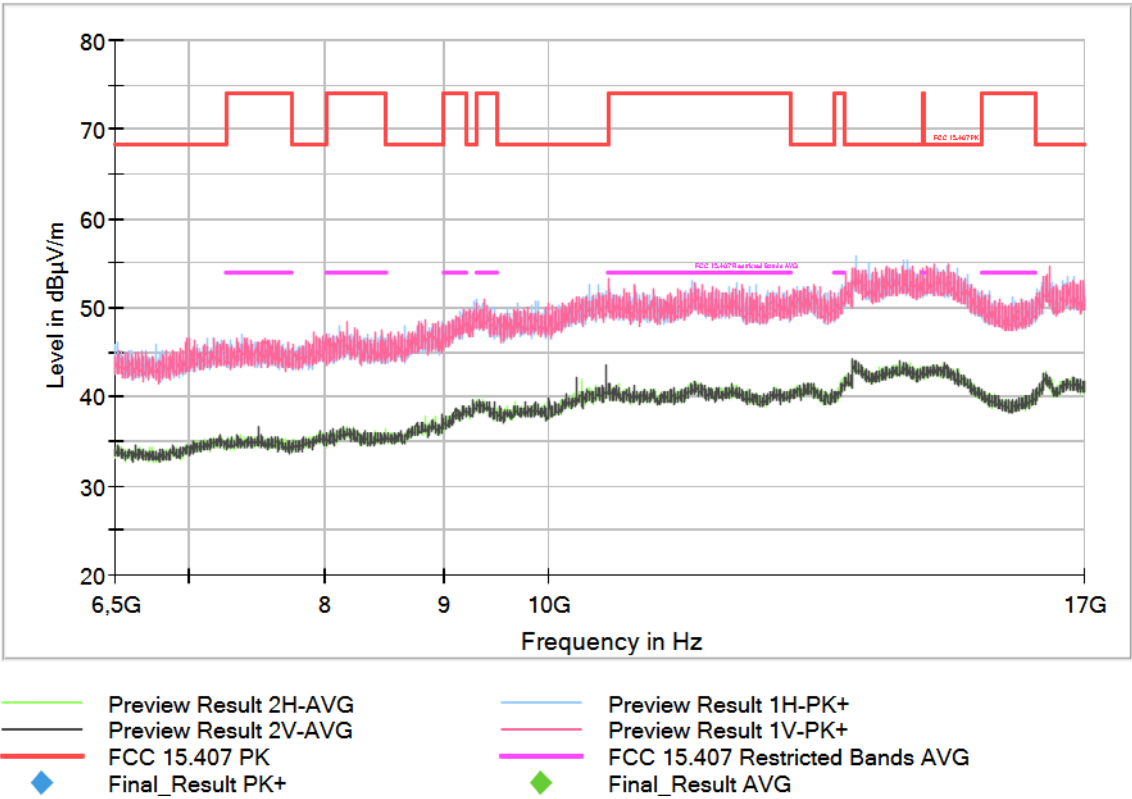
Full Spectrum



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [6.5, 17] Frequency MHz = 5745.00000
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



Operation Band MHz = [5725, 5850]

Active Port = 1

Frequency Range GHz = [6.5, 17]

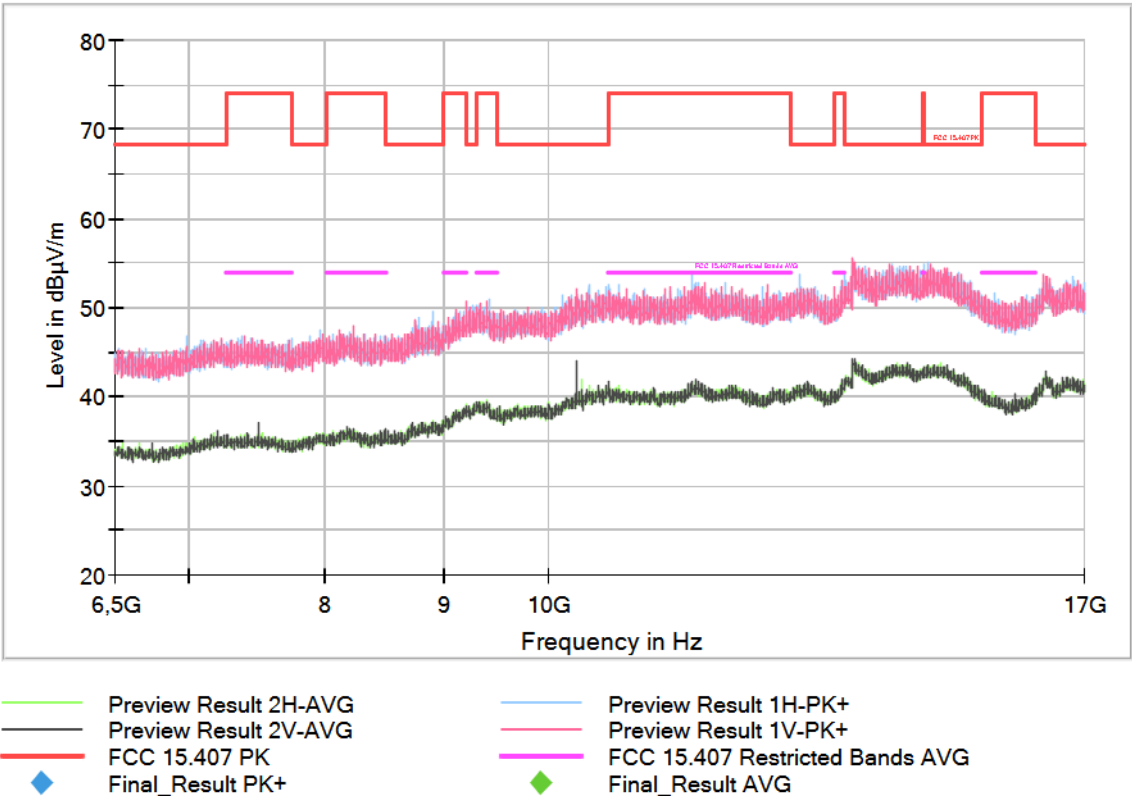
Frequency MHz = 5785.00000

Modulation = 802.11ac VHT20 (OFDM MCS0)

MIMO Mode = SISO

Images:

Full Spectrum



Operation Band MHz = [5725, 5850]

Active Port = 1

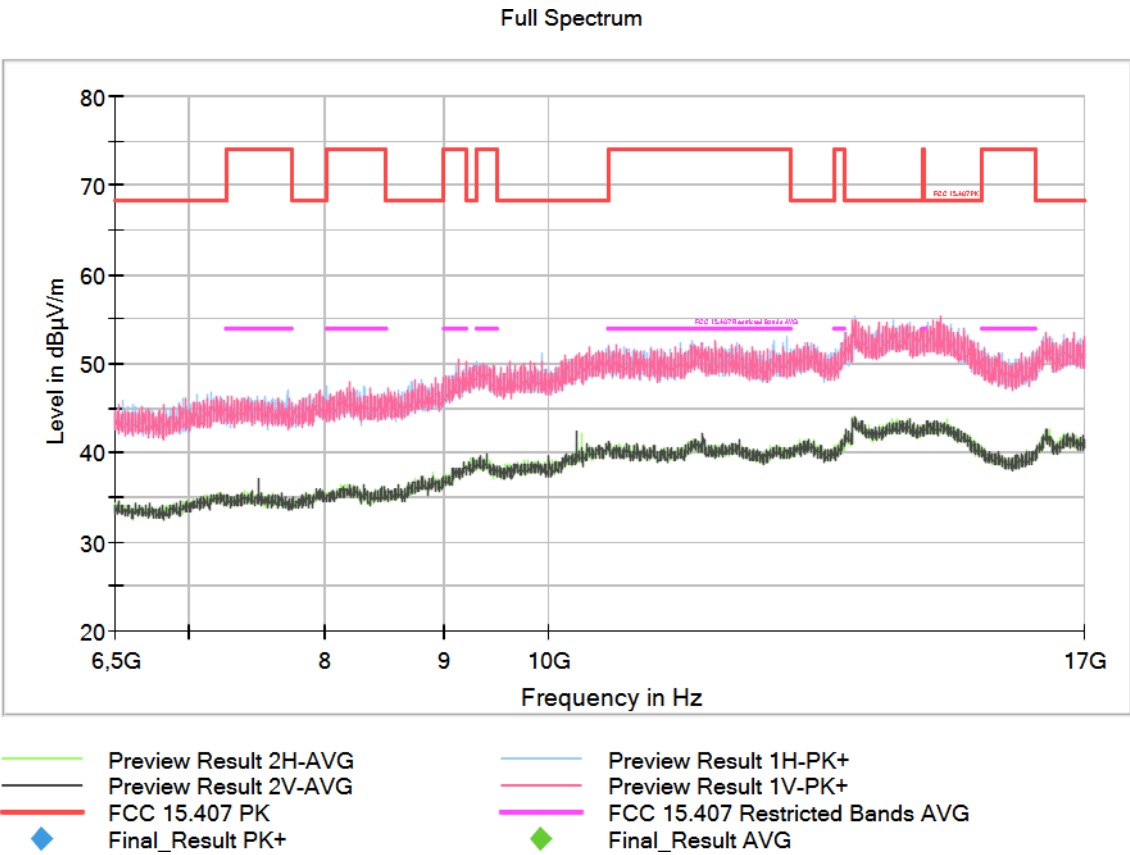
Frequency Range GHz = [6.5, 17]

Frequency MHz = 5825.00000

Modulation = 802.11ac VHT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



Modulation: 802.11ac VHT40 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[5725, 5850]	1	[1, 6.5]	5755.00000	5033.975	42.85	H	AVG
				5033.975	53.73	H	PK
			5795.00000	4947.900	42.75	H	AVG
				4947.900	54.11	H	PK

Verdict

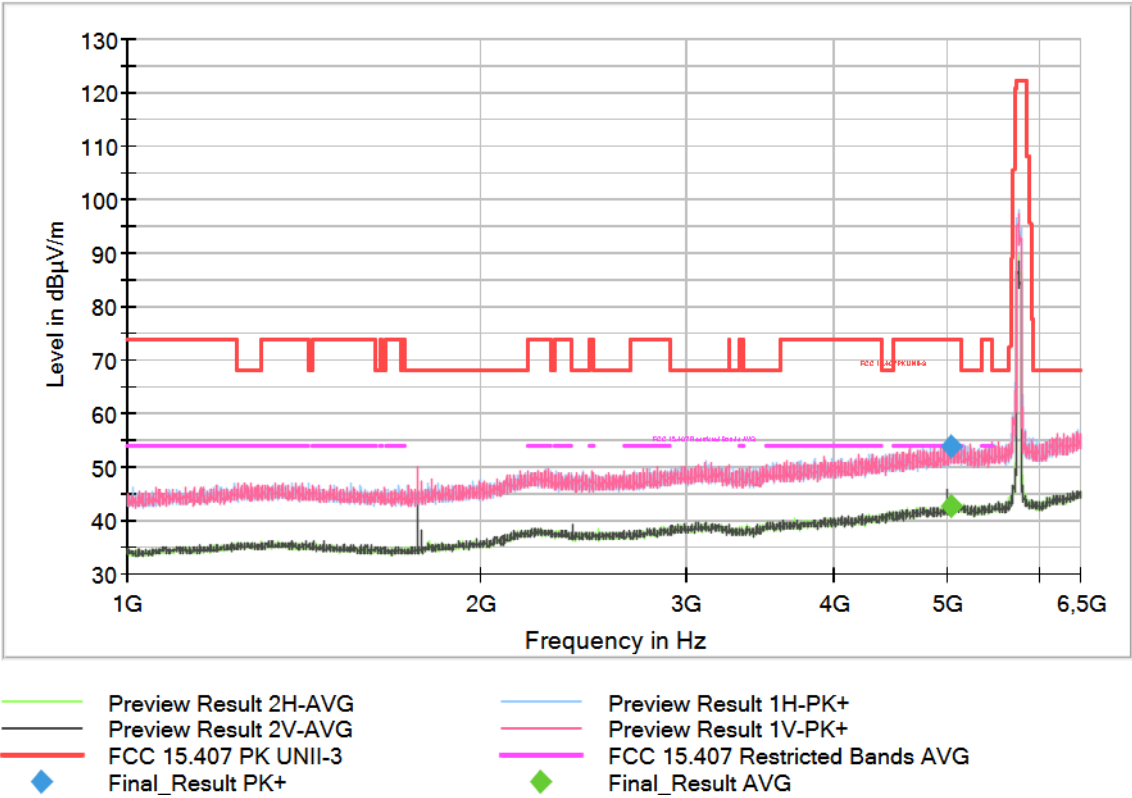
Pass

Attachments

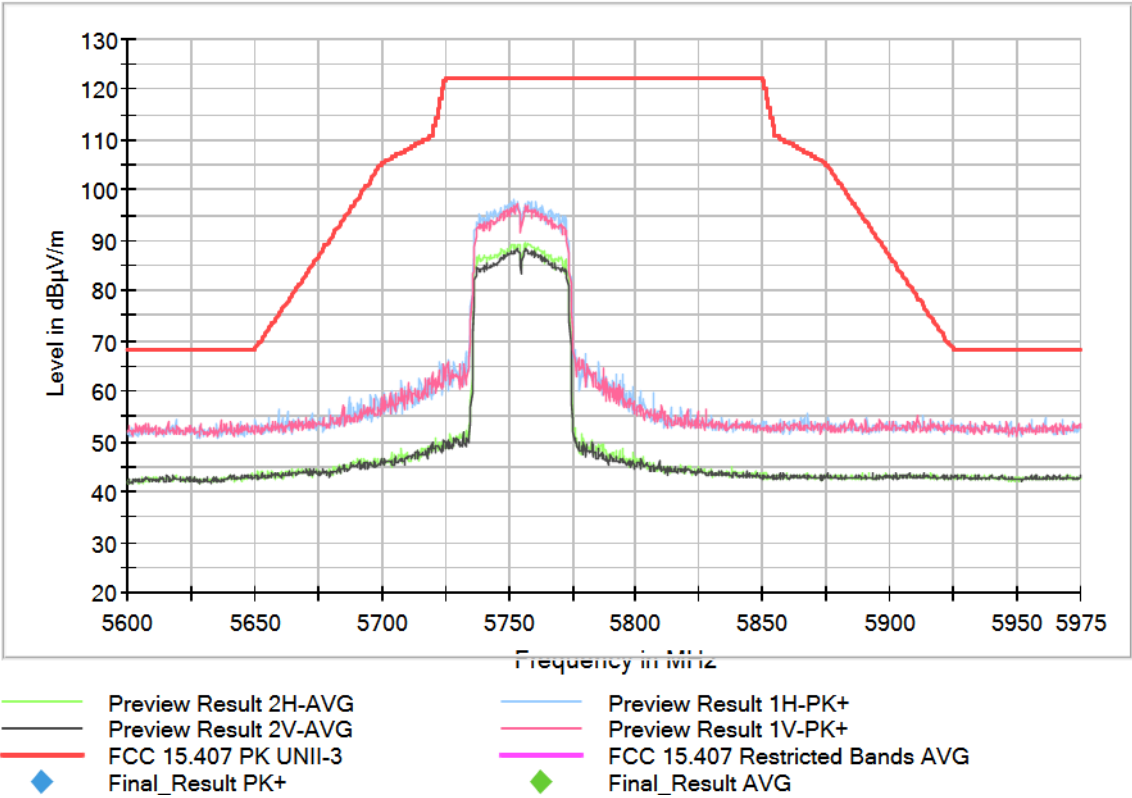
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5755.00000
Modulation = 802.11ac VHT40 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



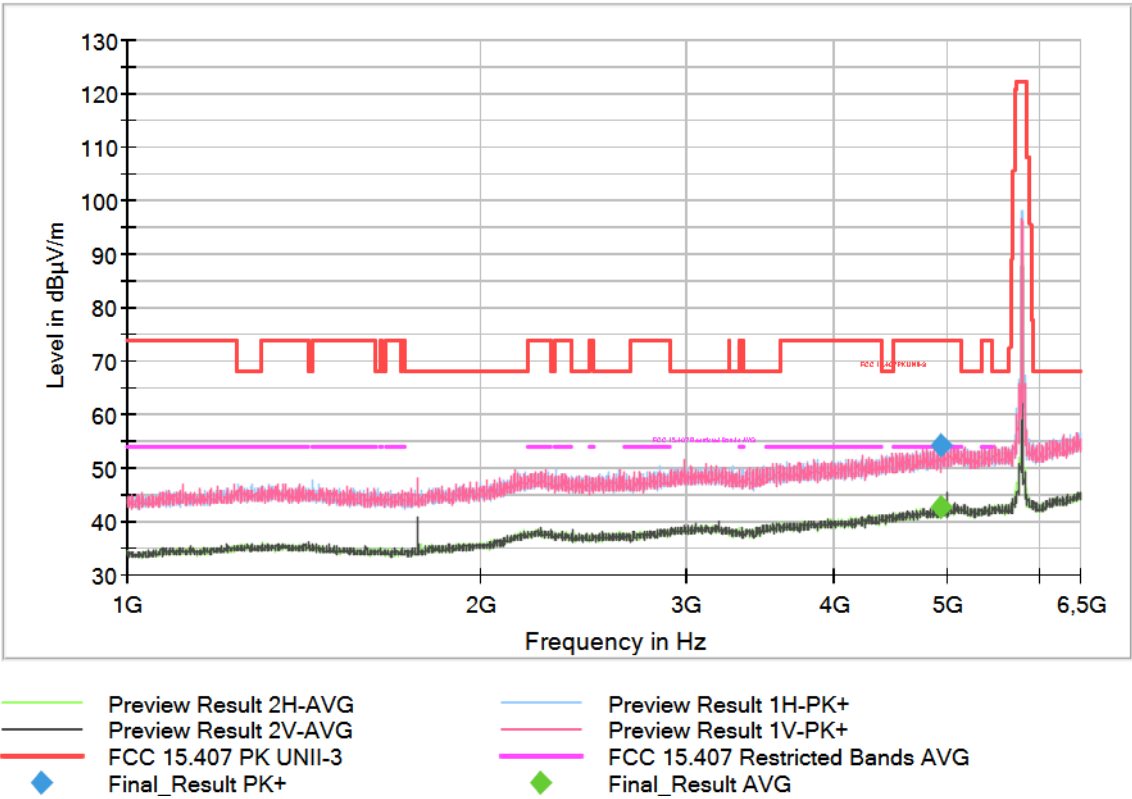
Full Spectrum



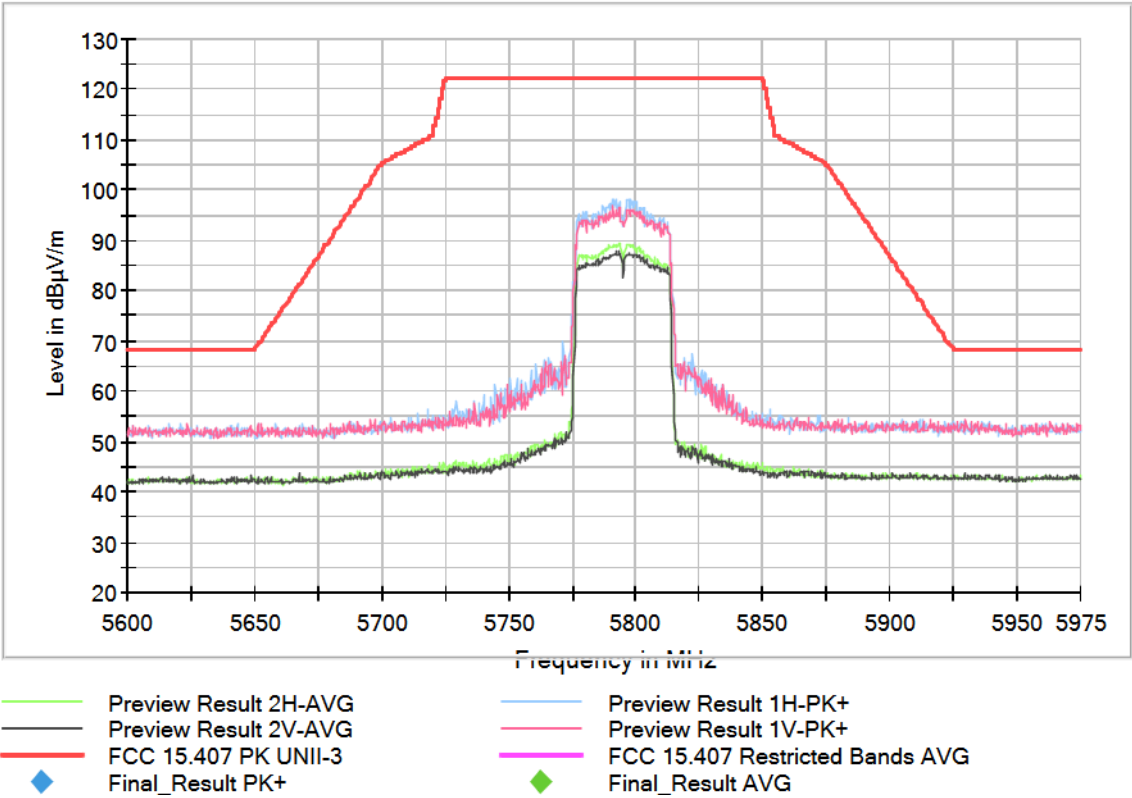
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5795.00000
Modulation = 802.11ac VHT40 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



Full Spectrum



Modulation: 802.11ac VHT80 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[5725, 5850]	1	[1, 6.5]	5775.00000	4985.575	42.95	V	AVG
				4985.575	53.50	V	PK

Verdict

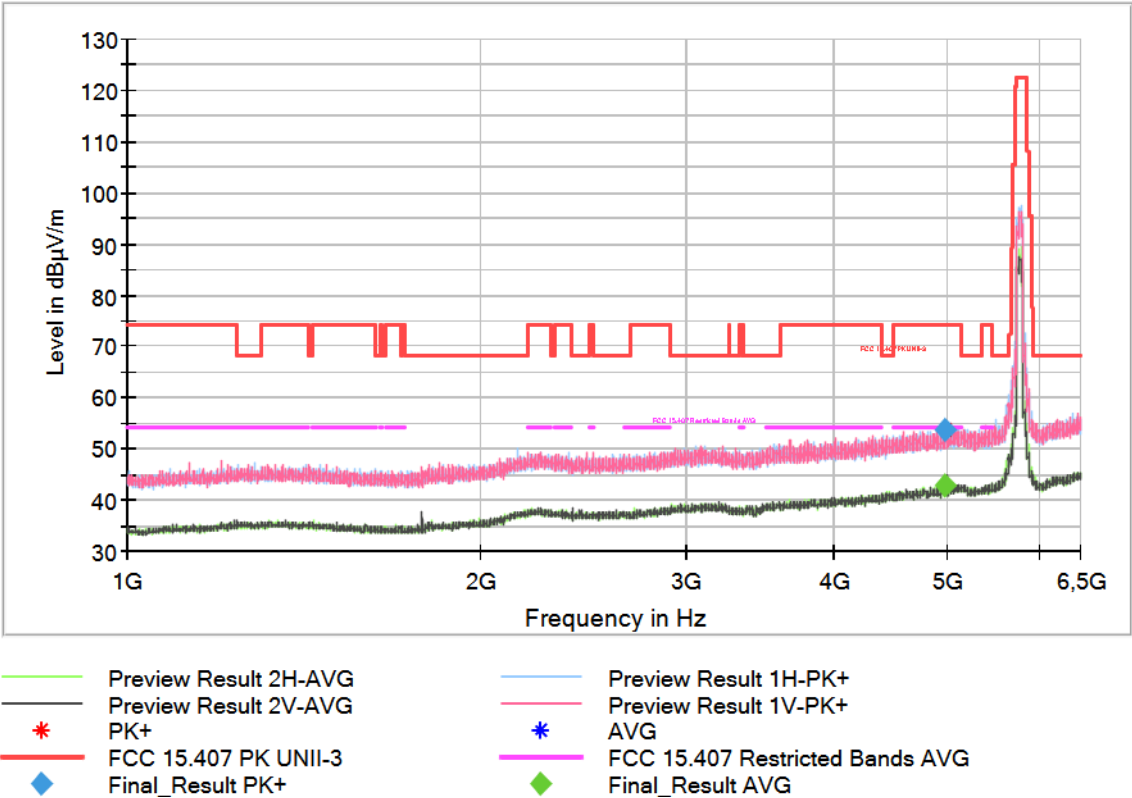
Pass

Attachments

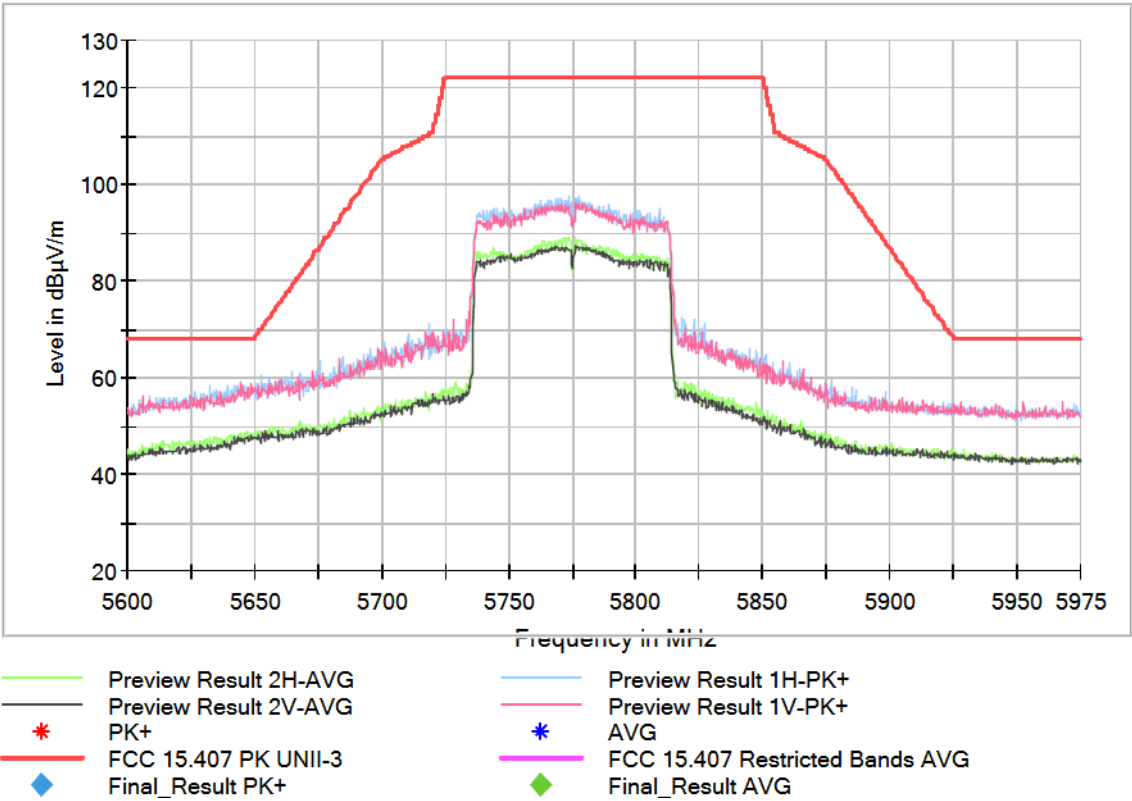
Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [1, 6.5] Frequency MHz = 5775.00000
Modulation = 802.11ac VHT80 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



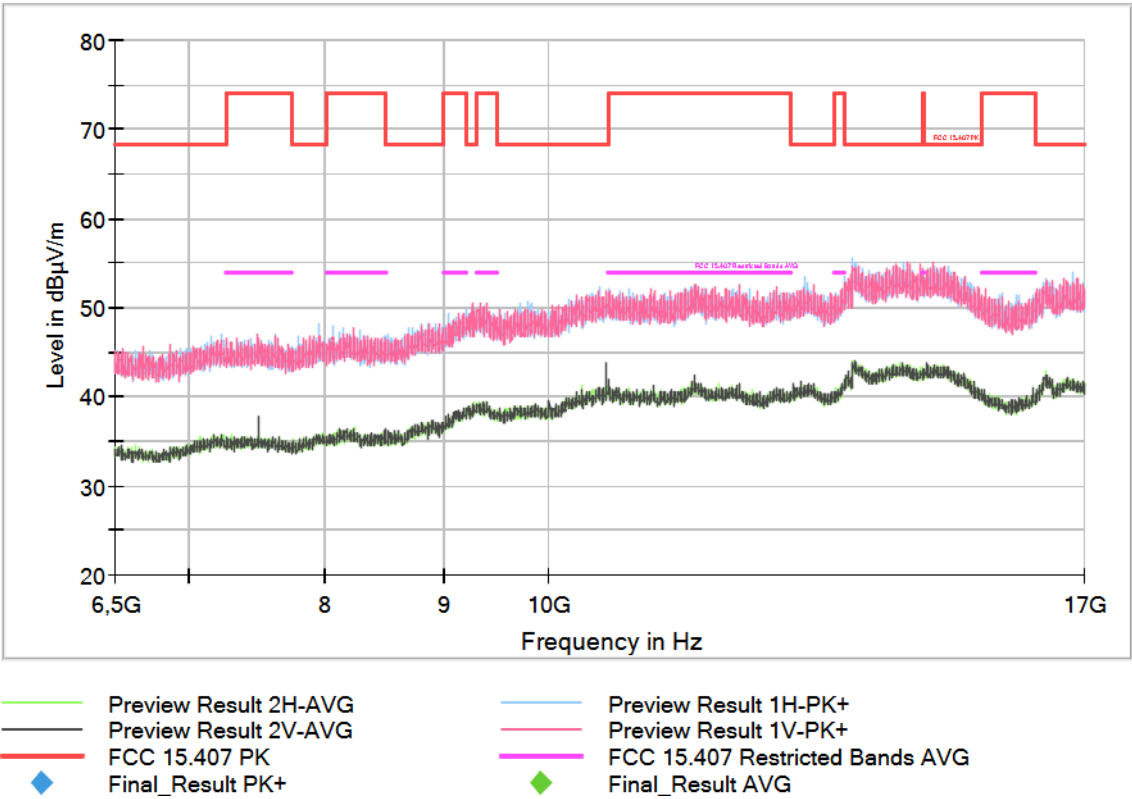
Full Spectrum



Operation Band MHz = [5725, 5850] Active Port = 1
Frequency Range GHz = [6.5, 17] Frequency MHz = 5775.00000
Modulation = 802.11ac VHT80 (OFDM MCS0) MIMO Mode = SISO

Images:

Full Spectrum



Operation Band MHz = [5725, 5850]

Active Port = 1

Frequency Range GHz = [17, 40]

MIMO Mode = SISO

The spurious emissions above 17 GHz do not depend on either the operating channel or the modulation mode selected in the EUT.

Images:

