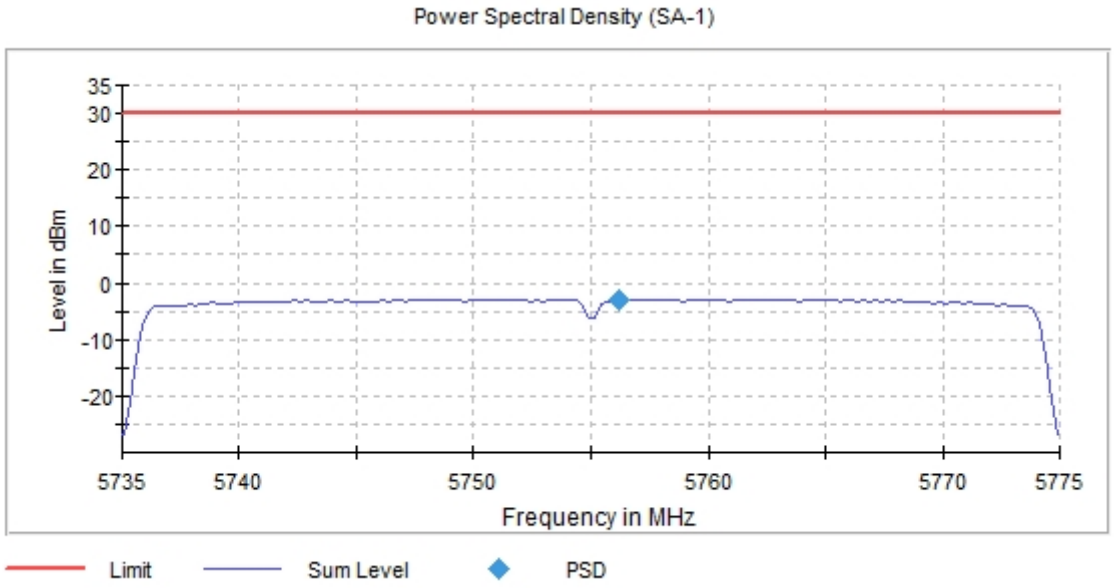
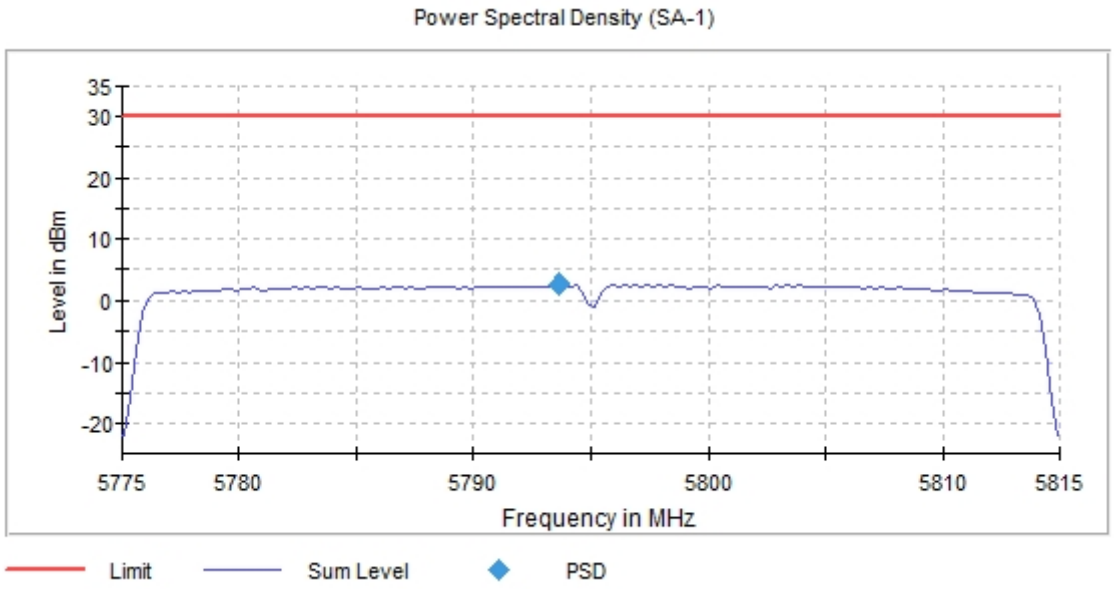
SISO 802.11 ax40 (HE40):

U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



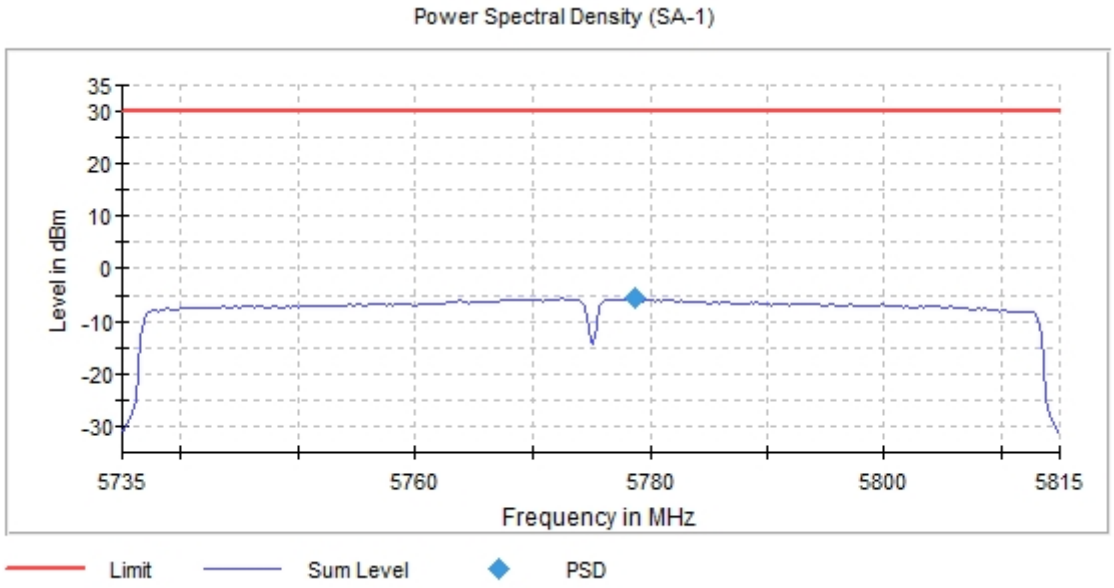
- High Channel 159 (5795 MHz):



SISO 802.11 ac80 (VHT80):

U-NII-3 (5725-5850 MHz)

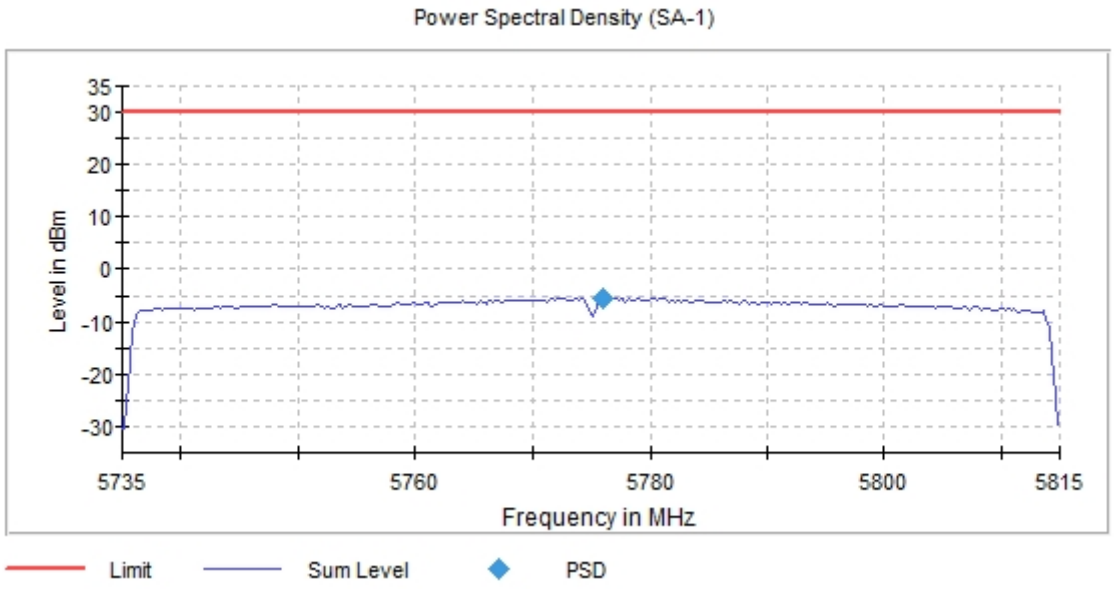
- Single Channel 155 (5775 MHz):



SISO 802.11 ax80 (HE80):

U-NII-3 (5725-5850 MHz)

- Single Channel 155 (5775 MHz):



MIMO worst-case:

MIMO 802.11 a20:

U-NII-3 (5725-5850 MHz):

Channels	Low Channel 149 (5745 MHz)	Channel 153 (5765 MHz)	Middle Channel 157 (5785 MHz)	Channel 161 (5805 MHz)	High Channel 165 (5825 MHz)
Maximum Corrected Conducted PSD (dBm)	10.412	11.671	11.418	11.451	10.761
Maximum EIRP Corrected Conducted PSD (dBm)	18.472	19.731	19.478	19.511	18.821
Measurement uncertainty (dB)	<±1.3				

MIMO 802.11 n20 (HT20):

U-NII-3 (5725-5850 MHz):

Channels	Low Channel 149 (5745 MHz)	Channel 153 (5765 MHz)	Middle Channel 157 (5785 MHz)	Channel 161 (5805 MHz)	High Channel 165 (5825 MHz)
Maximum Corrected Conducted PSD (dBm)	11.311	9.984	10.342	6.383	11.061
Maximum EIRP Corrected Conducted PSD (dBm)	19.371	18.044	18.402	14.443	19.121
Measurement uncertainty (dB)	<±1.3				

MIMO 802.11 ac20 (VHT20):

U-NII-3 (5725-5850 MHz):

Channels	Low Channel 149 (5745 MHz)	Channel 153 (5765 MHz)	Middle Channel 157 (5785 MHz)	Channel 161 (5805 MHz)	High Channel 165 (5825 MHz)
Maximum Corrected Conducted PSD (dBm)	10.769	11.015	11.260	11.176	11.044
Maximum EIRP Corrected Conducted PSD (dBm)	18.829	19.075	19.320	19.236	19.104
Measurement uncertainty (dB)	<±1.3				

MIMO 802.11 ax20 (HE20):

U-NII-3 (5725-5850 MHz):

Channels	Low Channel 149 (5745 MHz)	Channel 153 (5765 MHz)	Middle Channel 157 (5785 MHz)	Channel 161 (5805 MHz)	High Channel 165 (5825 MHz)
Maximum Corrected Conducted PSD (dBm)	10.913	9.716	11.655	4.556	5.818
Maximum EIRP Corrected Conducted PSD (dBm)	18.973	17.746	19.715	12.616	13.878
Measurement uncertainty (dB)	<±1.3				

MIMO 802.11 n40 (HT40):

U-NII-3 (5725-5850 MHz):

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Corrected Conducted PSD (dBm)	-3.424	1.855
Maximum EIRP Corrected Conducted PSD (dBm)	4.636	9.915
Measurement uncertainty (dB)	<±1.3	

MIMO 802.11 ac40 (VHT40):

U-NII-3 (5725-5850 MHz):

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Corrected Conducted PSD (dBm)	0.577	7.794
Maximum EIRP Corrected Conducted PSD (dBm)	8.637	15.854
Measurement uncertainty (dB)	<±1.3	

MIMO 802.11 ax40 (HE40):

U-NII-3 (5725-5850 MHz):

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Corrected Conducted PSD (dBm)	-3.035	7.545
Maximum EIRP Corrected Conducted PSD (dBm)	5.025	15.605
Measurement uncertainty (dB)	<±1.3	

MIMO 802.11 ac80 (VHT80):

U-NII-3 (5725-5850 MHz):

Channel	Single Channel 155 (5775 MHz)
Maximum Corrected Conducted PSD (dBm)	-0.141
Maximum EIRP Corrected Conducted PSD (dBm)	7.919
Measurement uncertainty (dB)	<±1.3

MIMO 802.11 ax80 (HE80):

U-NII-3 (5725-5850 MHz):

Channel	Single Channel 155 (5775 MHz)
Maximum Corrected Conducted PSD (dBm)	-0.870
Maximum EIRP Corrected Conducted PSD (dBm)	7.190
Measurement uncertainty (dB)	<±1.3

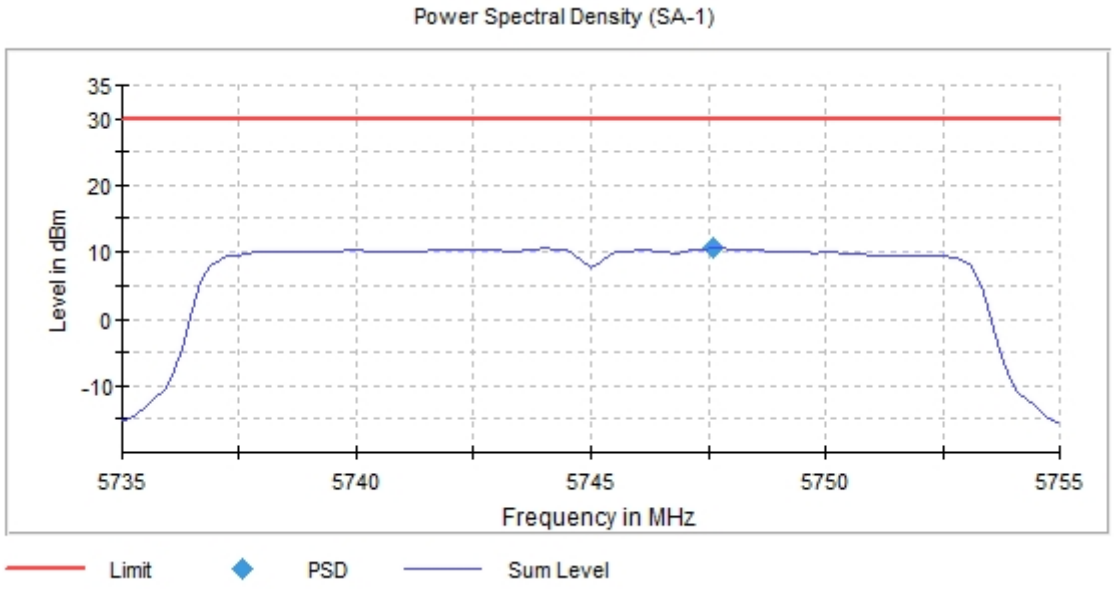
Verdict: PASS

MIMO worst-case:

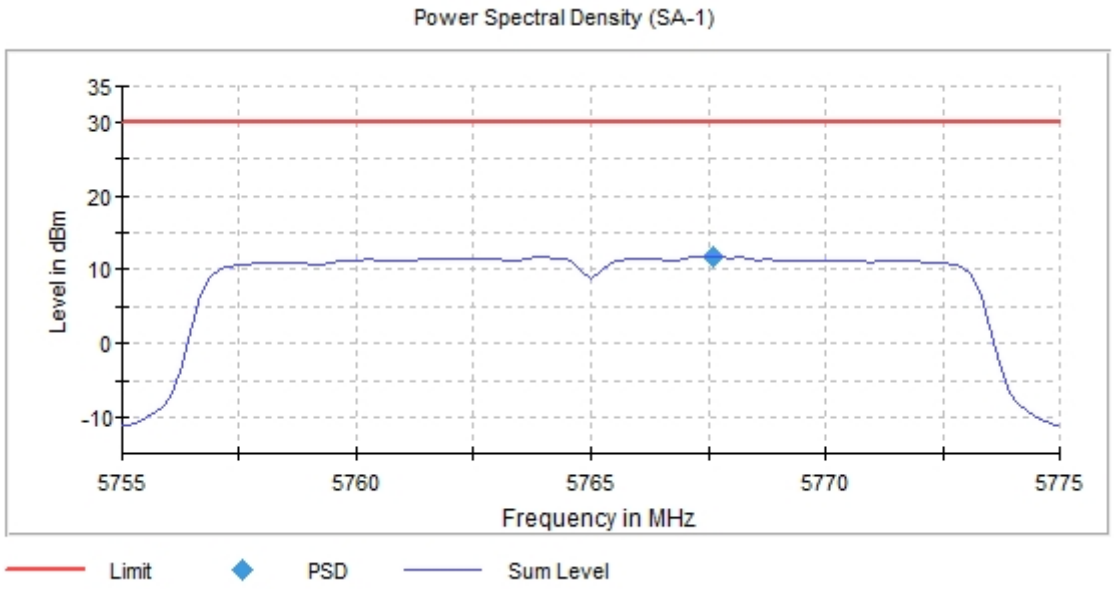
MIMO 802.11 a20:

U-NII-3 (5725-5850 MHz)

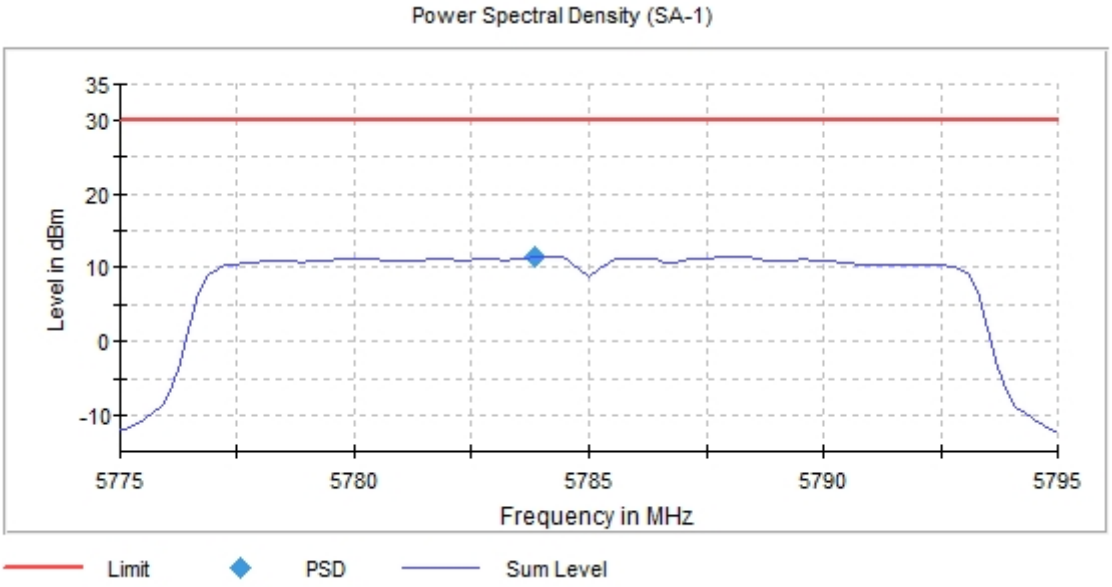
- Low Channel 149 (5745 MHz):



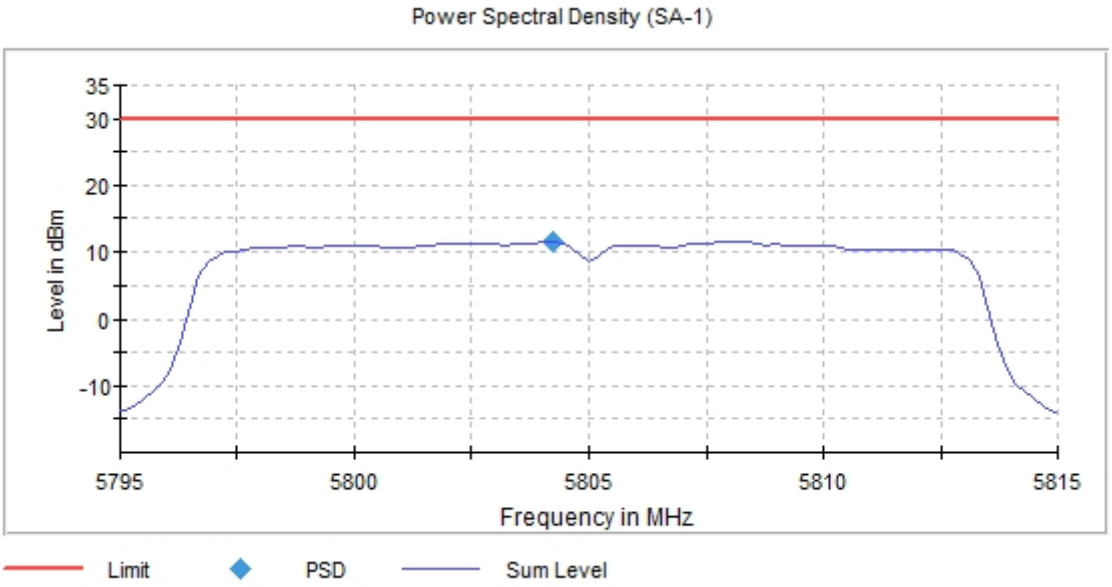
- Channel 153 (5765 MHz):



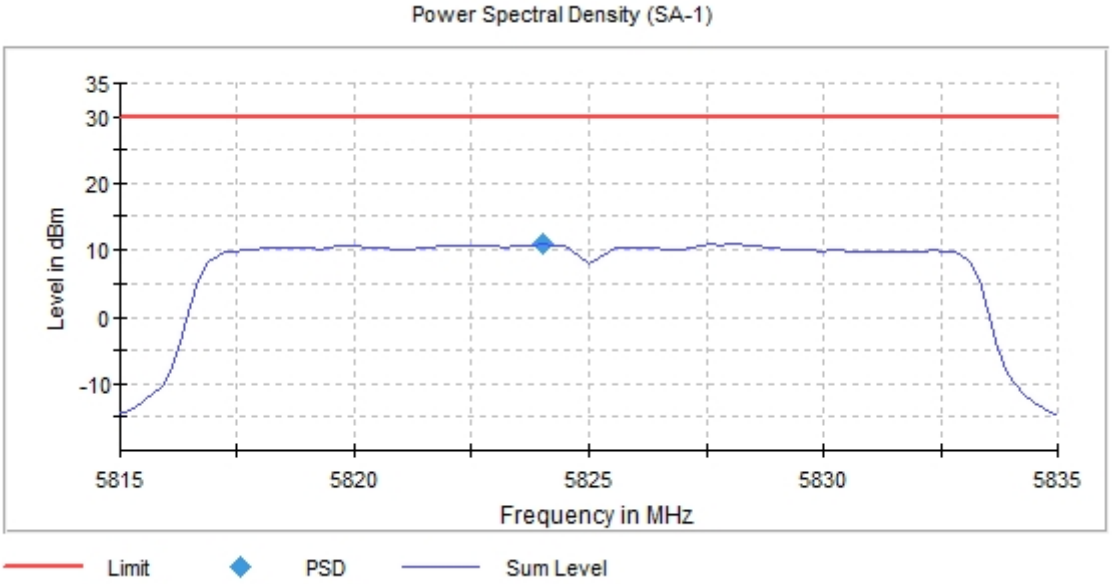
- Middle Channel 157 (5785 MHz):



- Channel 161 (5805 MHz):



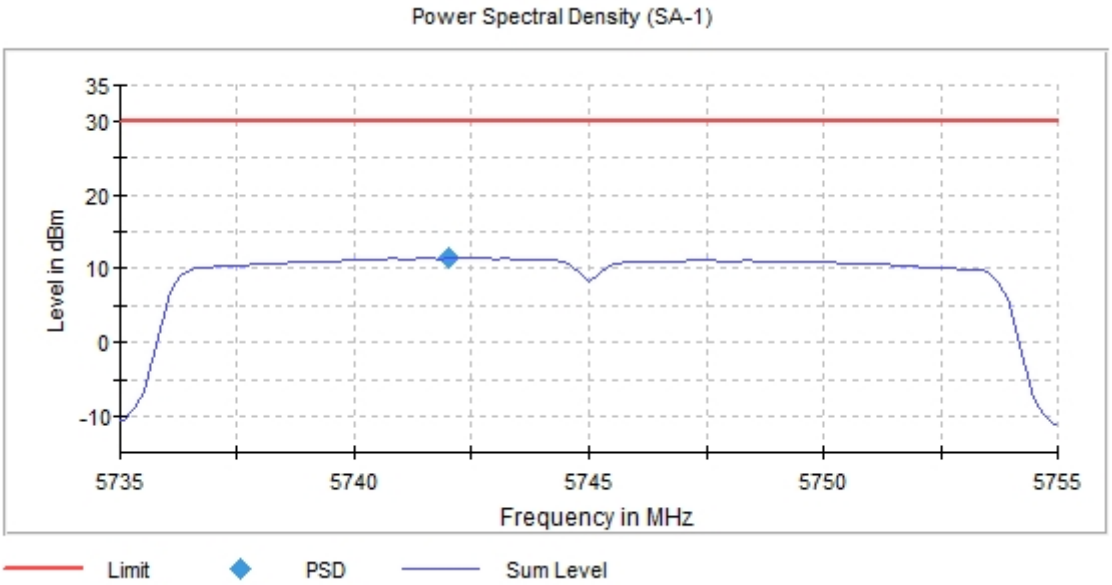
- High Channel 165 (5825 MHz):



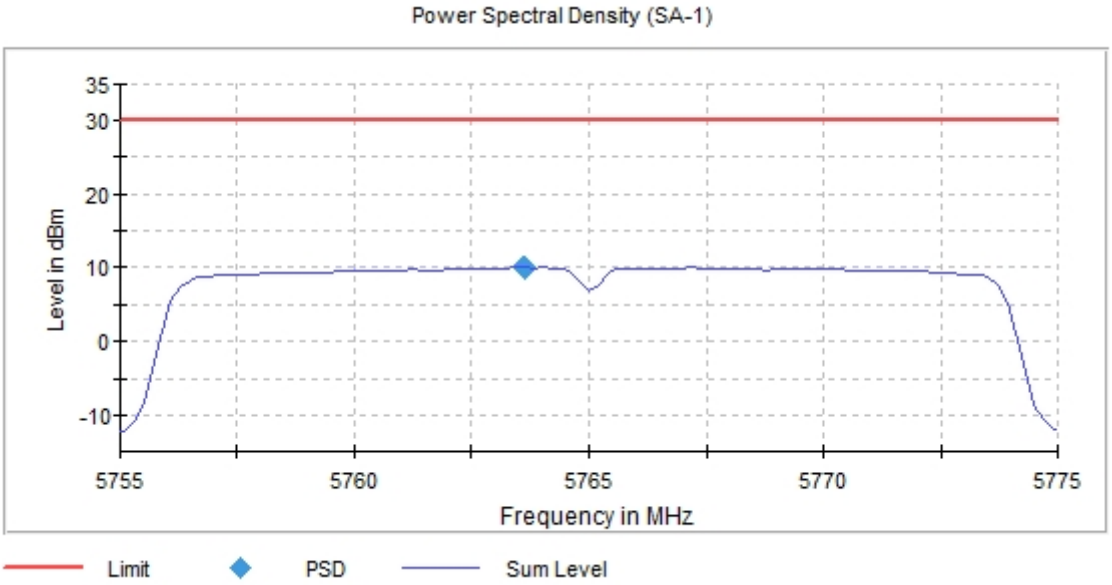
MIMO 802.11 n20 (HT20):

U-NII-3 (5725-5850 MHz)

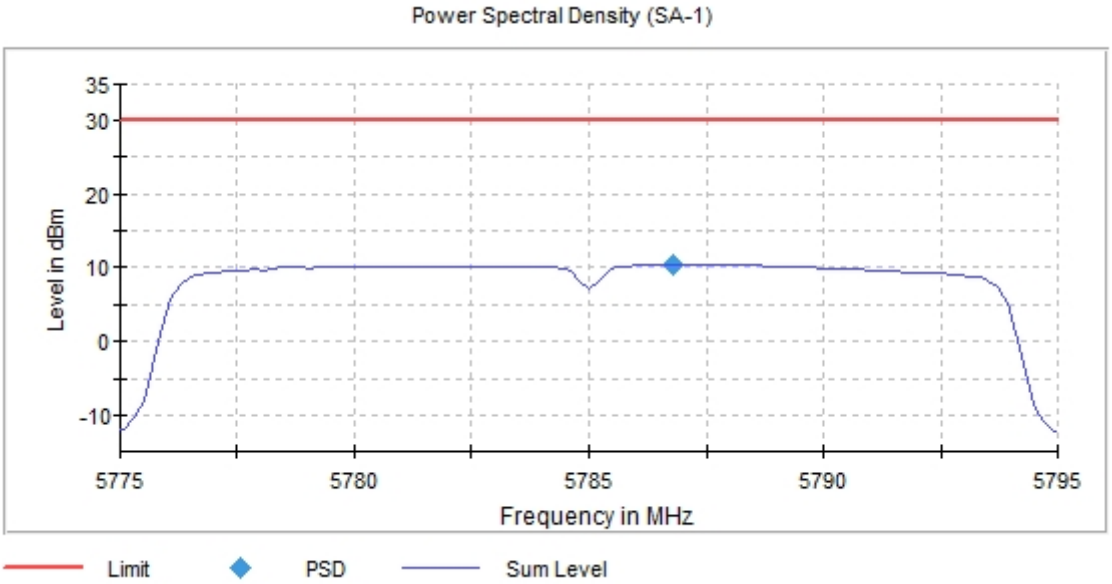
- Low Channel 149 (5745 MHz):



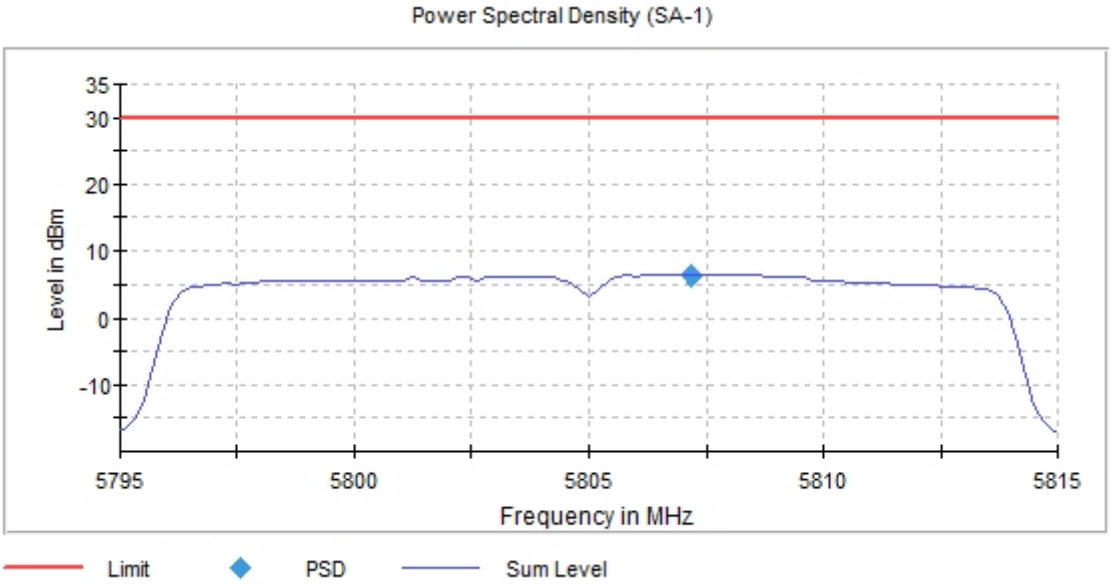
- Channel 153 (5765 MHz):



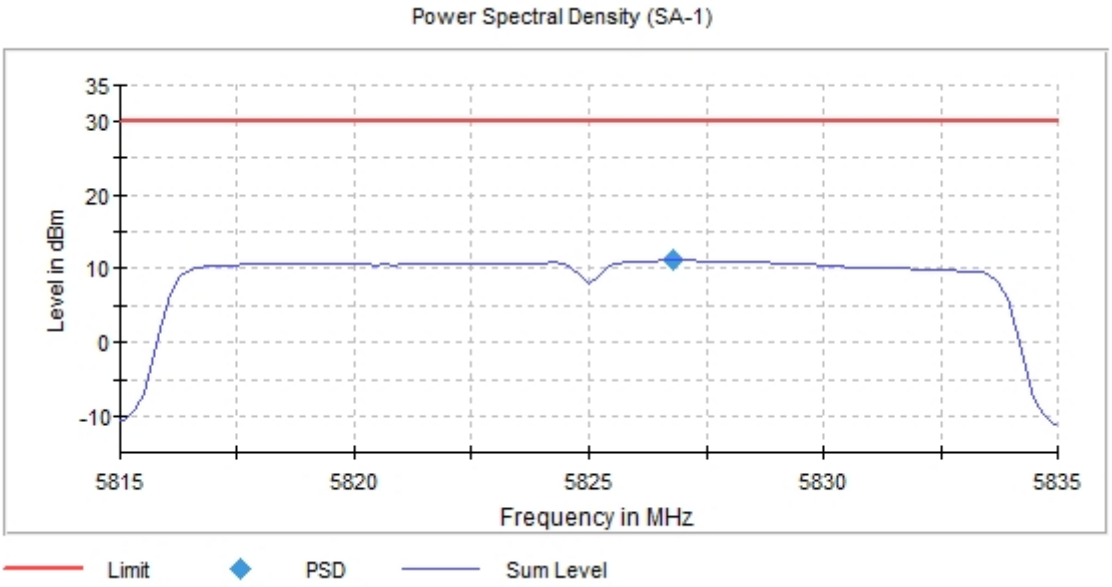
- Middle Channel 157 (5785 MHz):



- Channel 161 (5805 MHz):



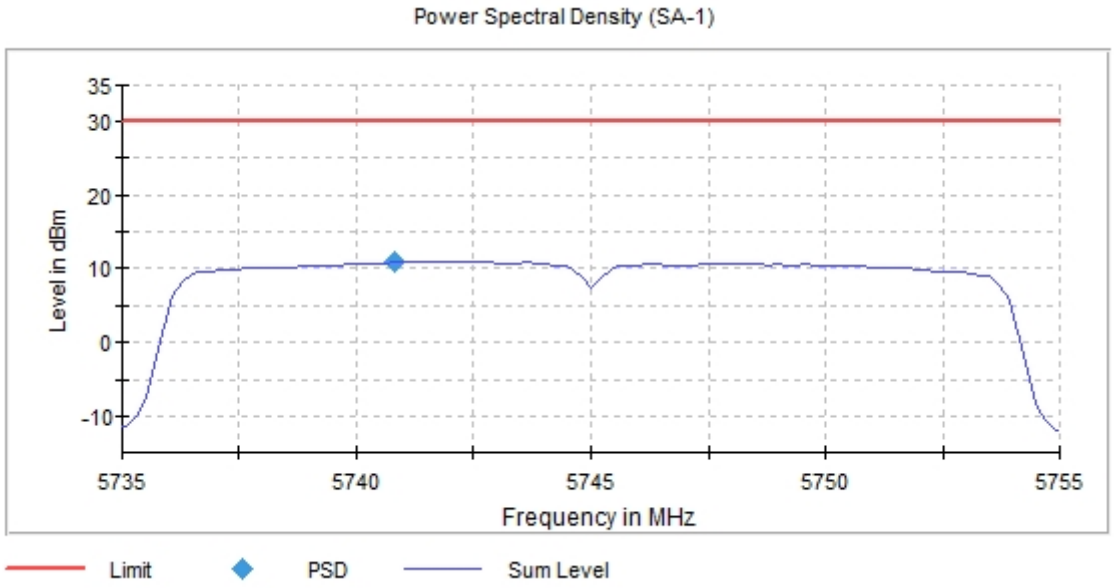
- High Channel 165 (5825 MHz):



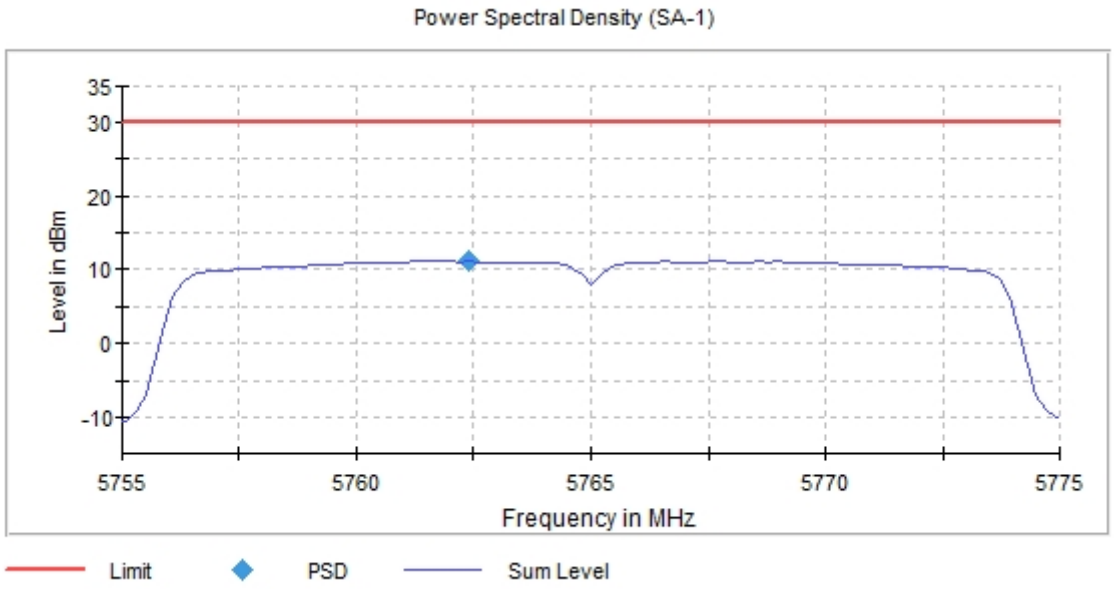
MIMO 802.11 ac20 (VHT20):

U-NII-3 (5725-5850 MHz)

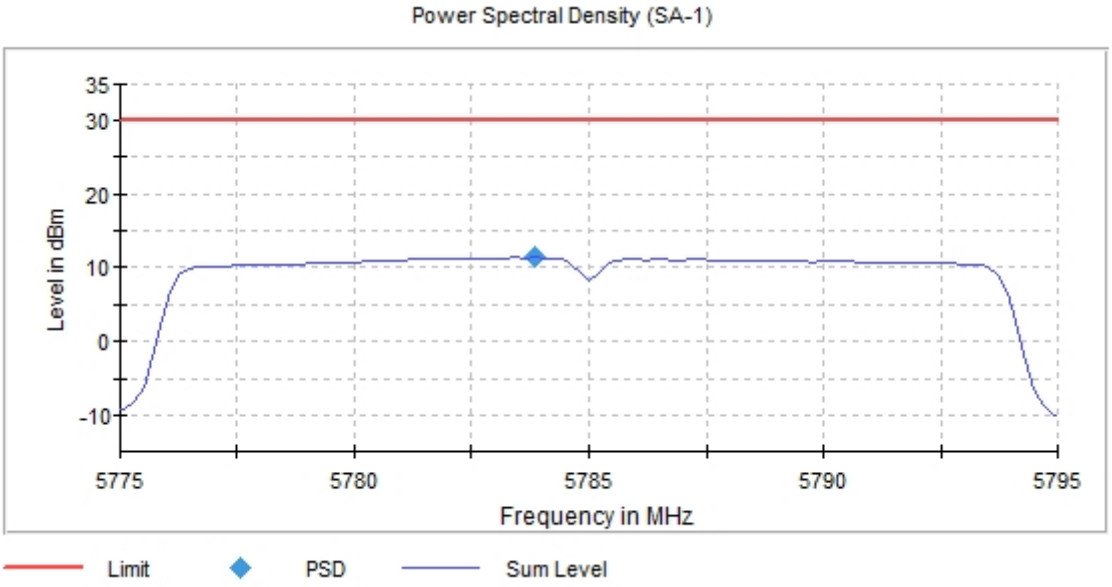
- Low Channel 149 (5745 MHz):



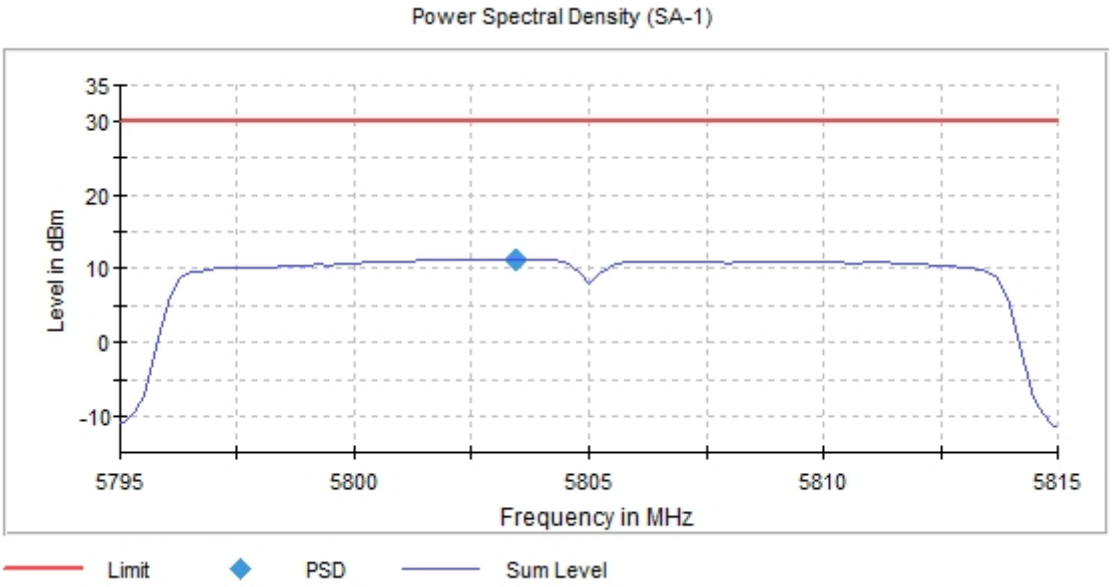
- Channel 153 (5765 MHz):



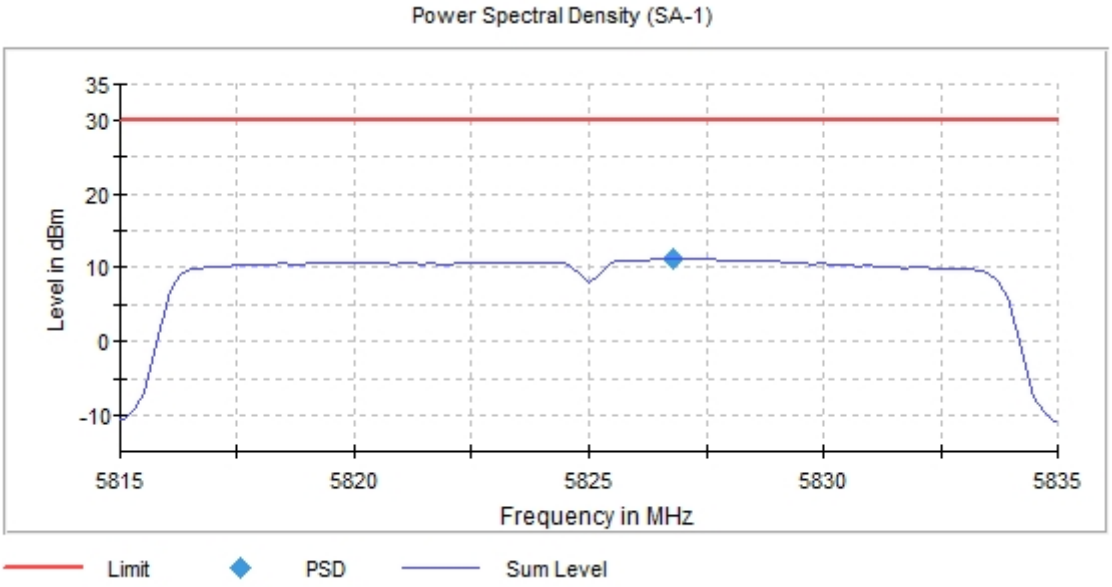
- Middle Channel 157 (5785 MHz):



- Channel 161 (5805 MHz):



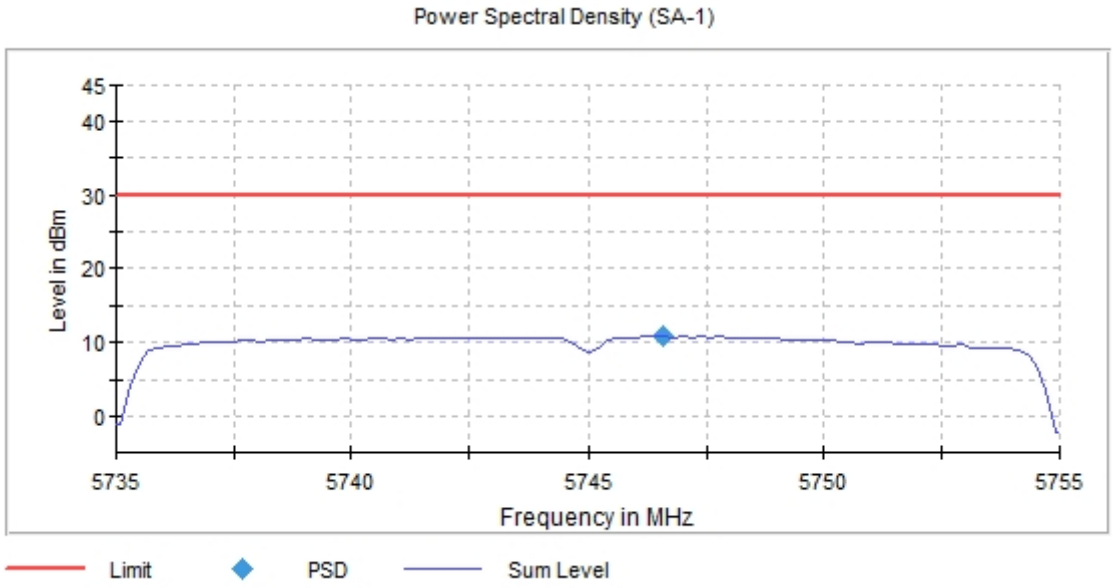
- High Channel 165 (5825 MHz):



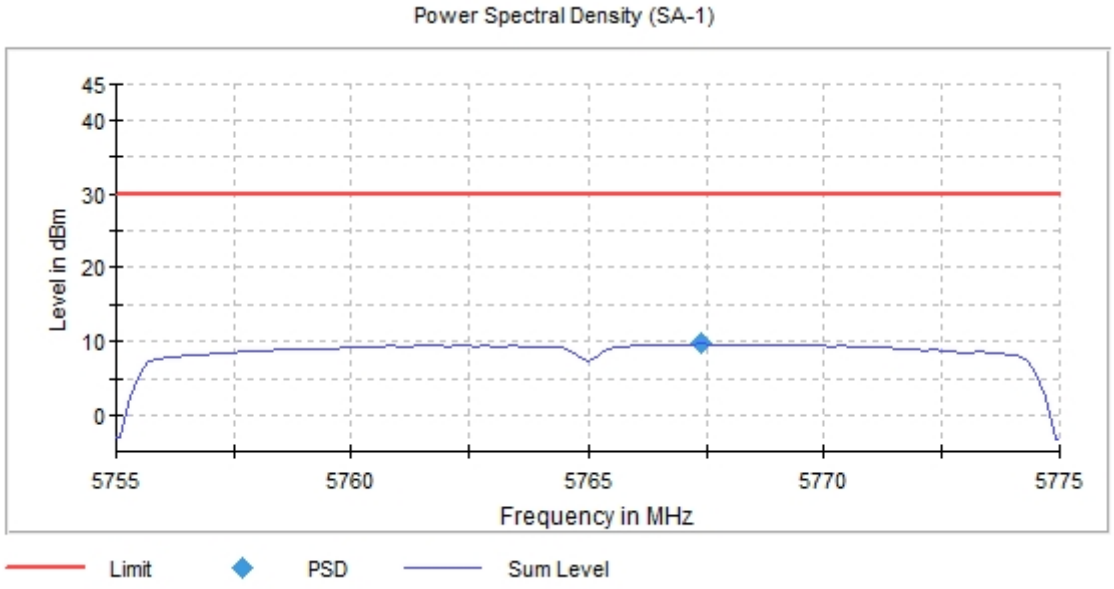
MIMO 802.11 ax20 (HE20):

U-NII-3 (5725-5850 MHz)

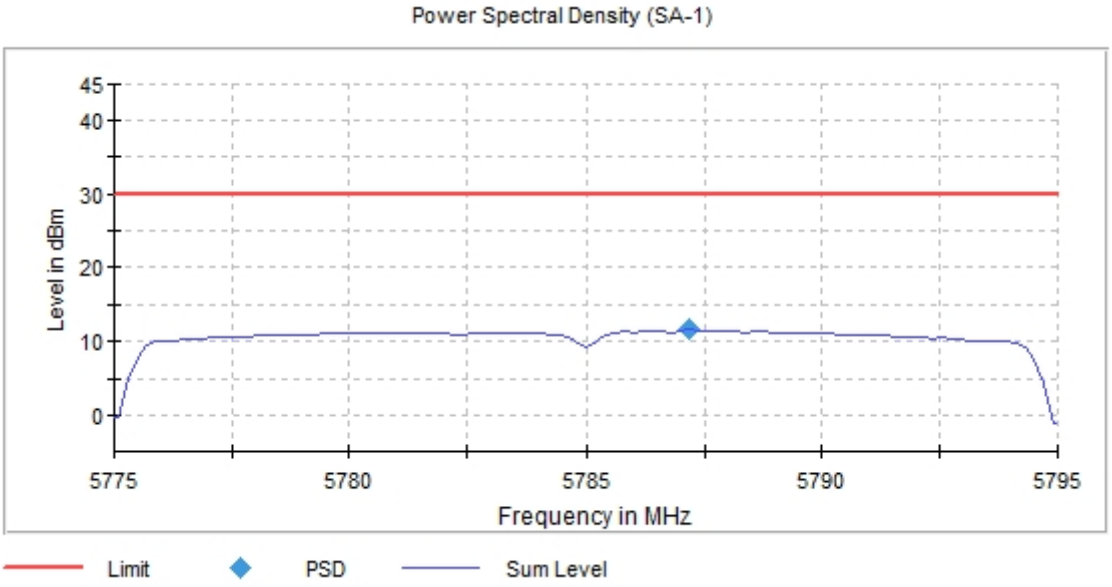
- Low Channel 149 (5745 MHz):



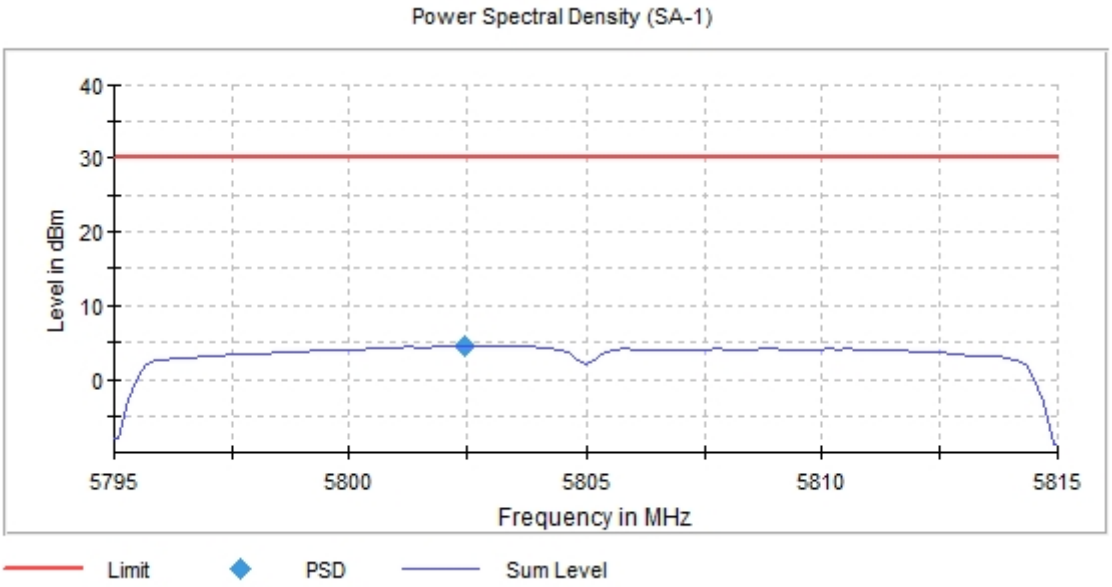
- Channel 153 (5765 MHz):



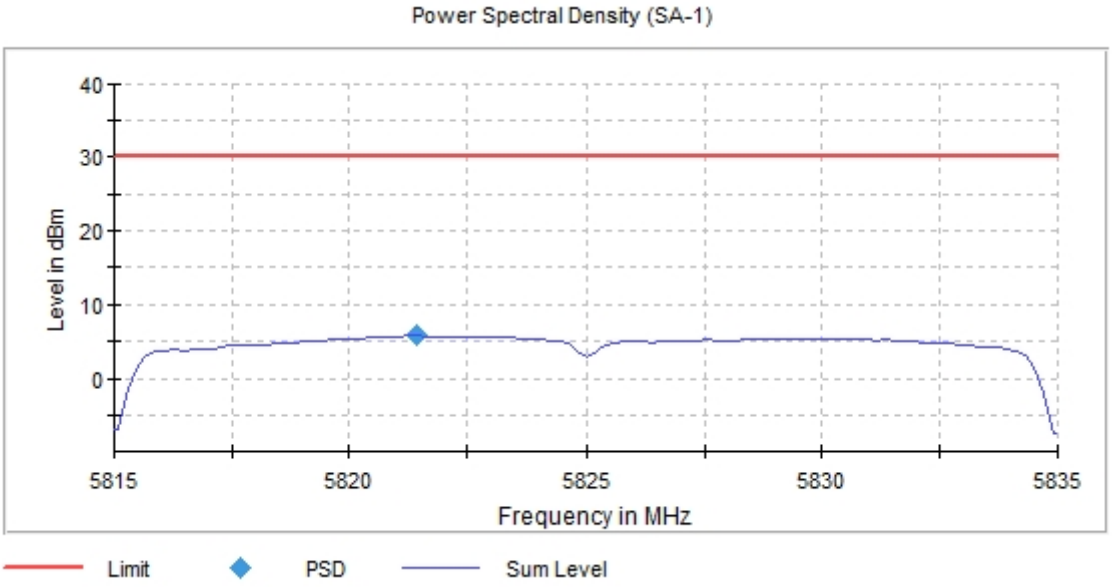
- Middle Channel 157 (5785 MHz):



- Channel 161 (5805 MHz):



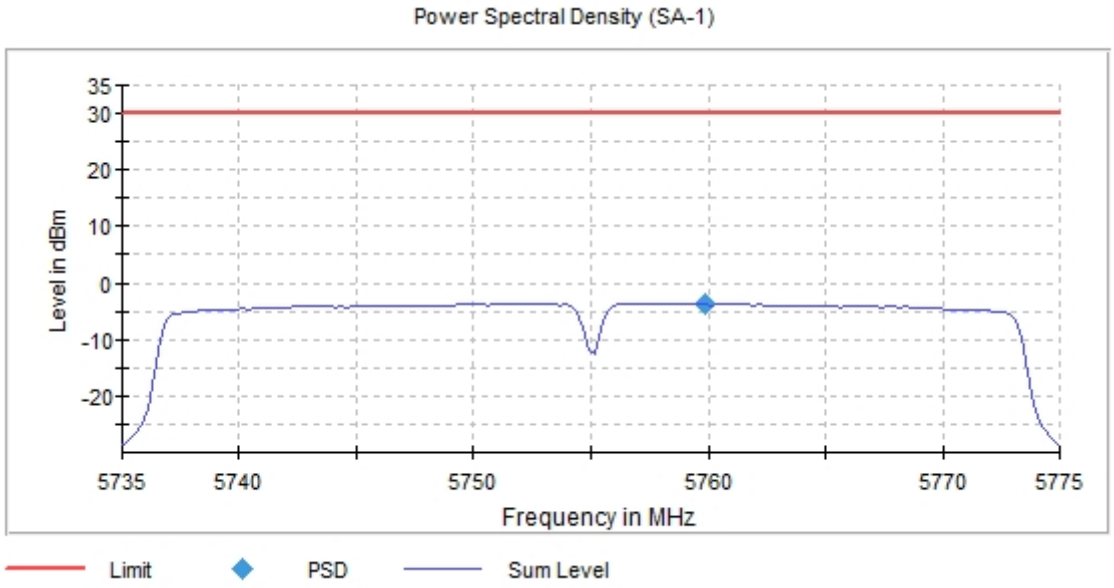
- High Channel 165 (5825 MHz):



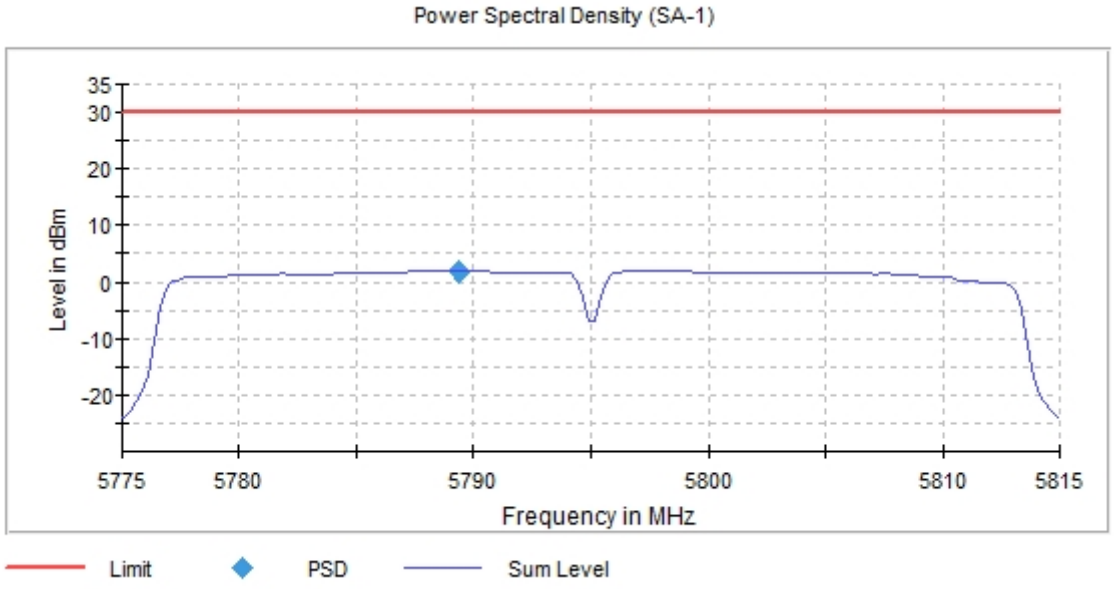
MIMO 802.11 n40 (HT40):

U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



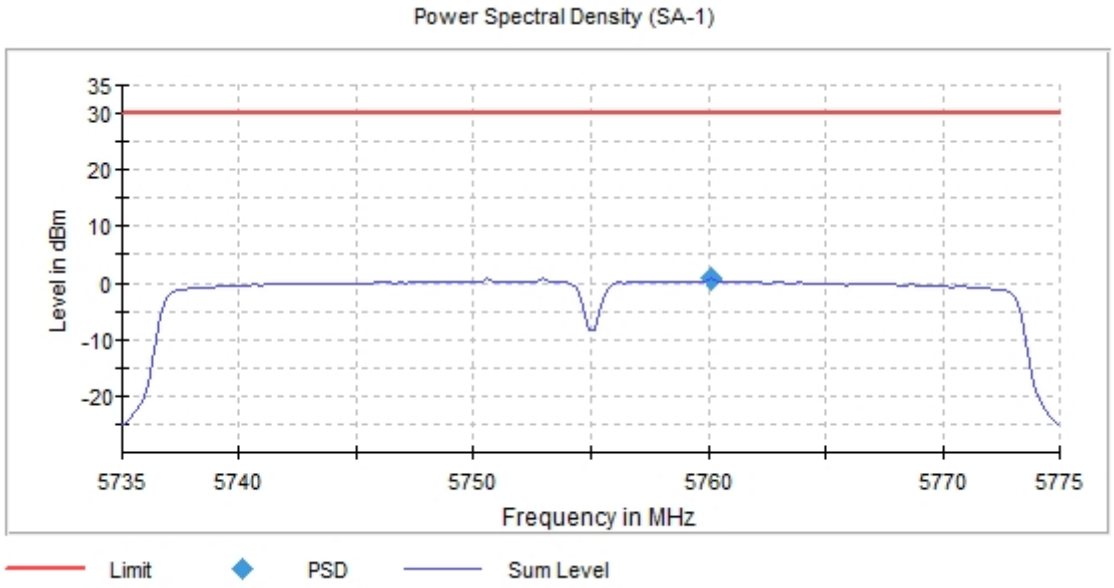
- High Channel 159 (5795 MHz):



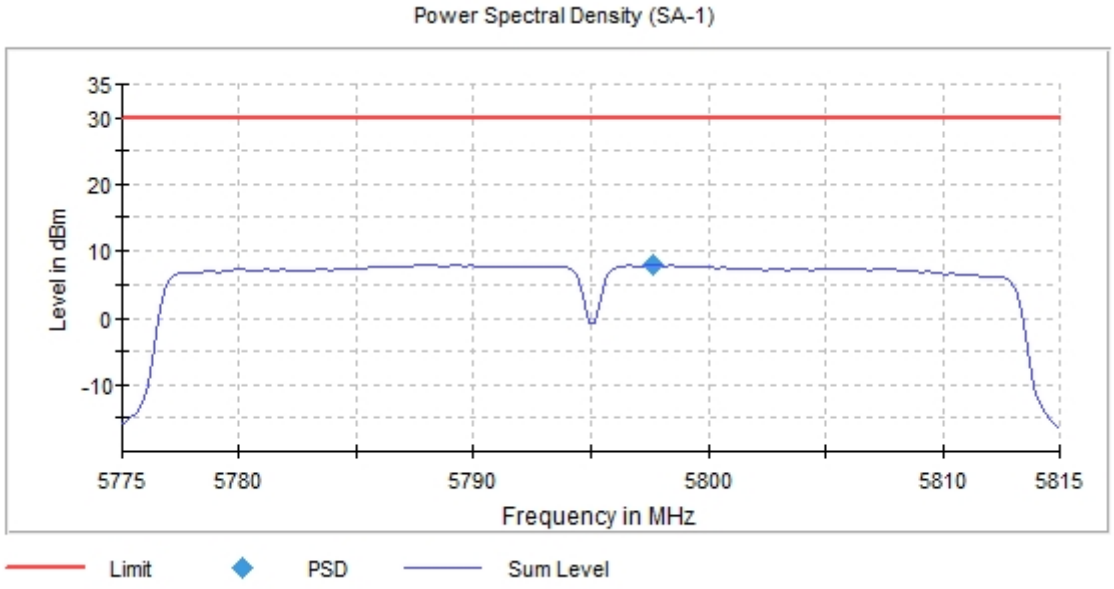
MIMO 802.11 ac40 (VHT40):

U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



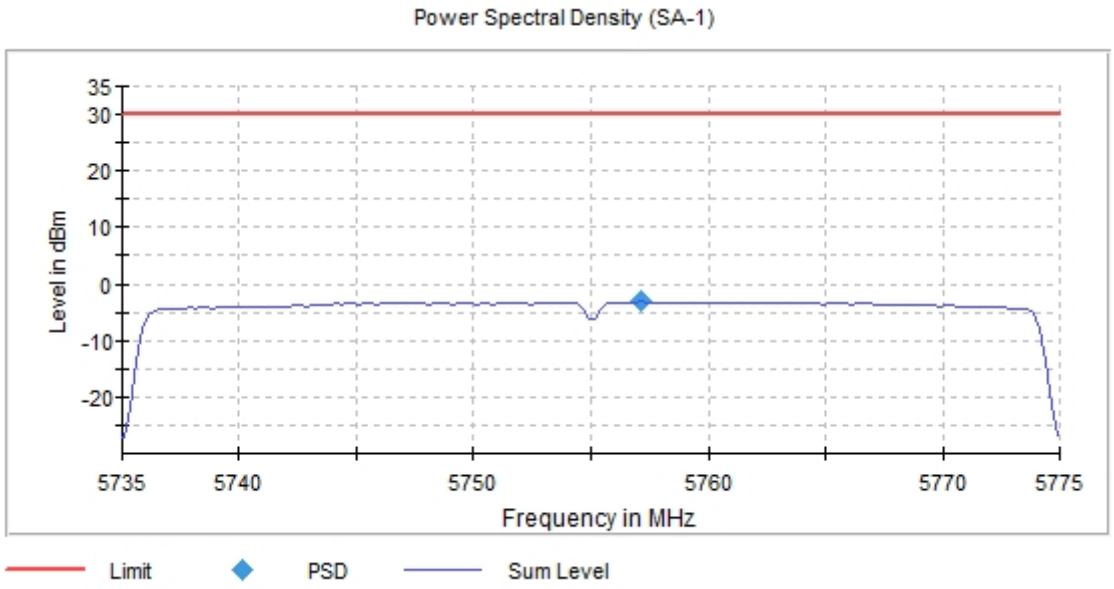
- High Channel 159 (5795 MHz):



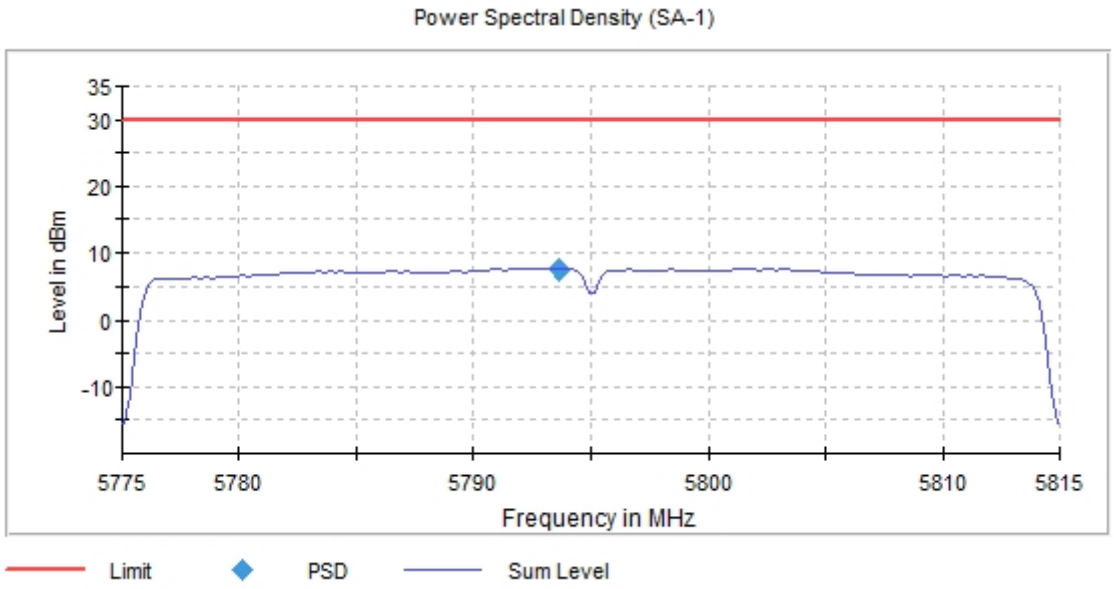
MIMO 802.11 ax40 (HE40):

U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



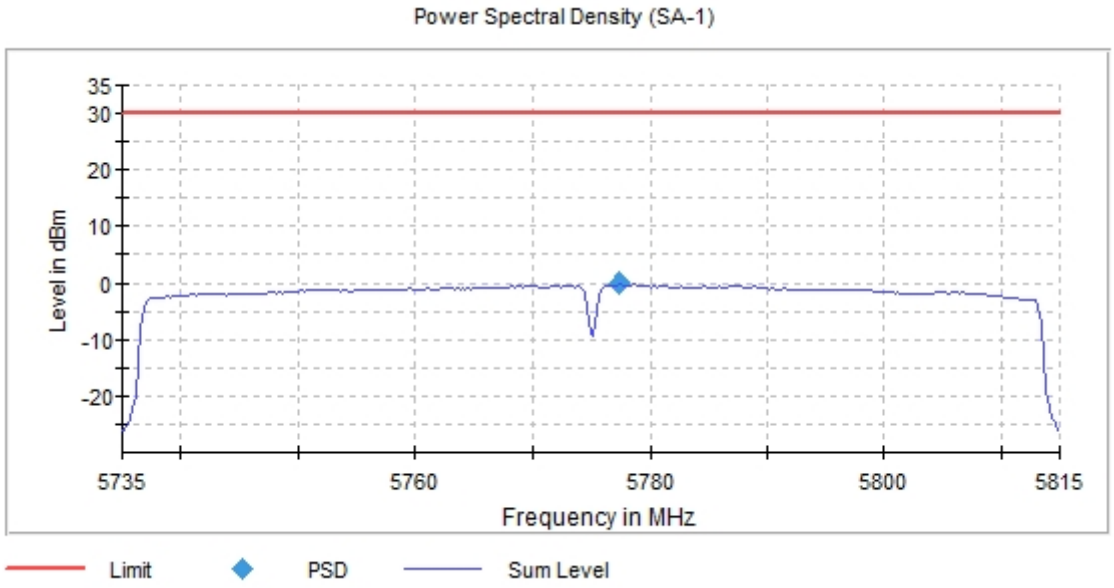
- High Channel 159 (5795 MHz):



MIMO 802.11 ac80 (VHT80):

U-NII-3 (5725-5850 MHz)

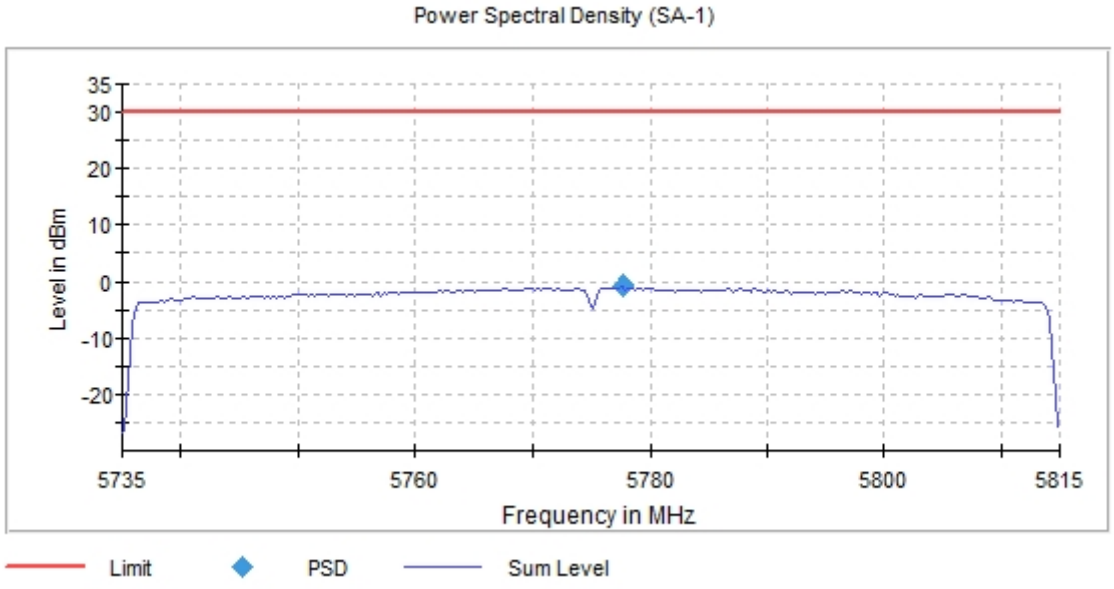
- Single Channel 155 (5775 MHz):



MIMO 802.11 ax80 (HE80):

U-NII-3 (5725-5850 MHz)

- Single Channel 155 (5775 MHz):



FCC 15.407(b)(4)(6) /RSS-247 6.2.4.2. Transmitter Out of Band Radiated Emissions and Transmitter Band Edge Radiated Emissions.

SPECIFICATION:

For transmitters operating in the 5.725–5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz (68.23 dBµV/m at 3 m distance) 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.

RESULTS:

The situation and orientation was varied to find the maximum radiated emission. It was also rotated 360º and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

All tests were performed in a semi-anechoic chamber at a distance of 1m for the frequency range 1 GHz-40 GHz and a distance of 3m for frequency range 30MHz-1GHz.

The field strength is calculated by adding correction factor to the measured level from the spectrum 132nalyser. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

OUT OF BAND EMISSIONS: For spurious emissions outside of the U-NII-3 band edge mask of 5.65-5.925 GHz, the worst-case was determined after preliminary measurements of the E.I.R.P. density (radiated).

The worst-case was determined by measuring the eirp density (radiated). Test performed on the worst-case.

SISO worst-case:

- Preliminary tests determined the SISO worst-case: **WLAN1**.

Worst-case OFDM/OFDMA: **802.11 a20**

Frequency range 30 MHz - 1 GHz (SISO worst-case):

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

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
125.836000	27.75	V	Quasi Peak
151.007500	27.01	V	Quasi Peak

Measurement Uncertainty (dB) <± 5.1

Frequency range 1 - 40 GHz (SISO worst-case):

The results in the next tables show the maximum measured levels in the 1-40 GHz range except the 5.65-5.725 GHz and 5.85-5.925GHz adjacent bands. The results in the adjacent bands was evaluated on the next section.

Spurious frequencies with peak levels above the average limit (54 dBµV/m at 3 m) are measured with an average detector for checking compliance with the average limit.

- **SISO 802.11 a20 (SISO worst-case):**

  - LOW CHANNEL. Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
3750.000000	51.45	H	Peak
3812.500000	49.36	V	Peak
4992.500000	54.46	H	Peak
	42.46		Average
5376.000000	57.96	H	Peak
	48.51		Average
5554.500000	56.31	H	Peak
5626.000000	63.26	H	Peak
8750.000000	50.85	V	Peak
9648.000000	52.46	V	Peak
11490.000000	53.48	V	Peak
13531.500000	55.31	V	Peak
14472.000000	53.36	V	Peak

- CHANNEL (153). Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
3750.000000	51.90	H	Peak
3812.500000	50.72	V	Peak
4992.000000	54.82	H	Peak
	44.73		Average
5376.000000	57.52	H	Peak
	47.86		Average
5568.000000	56.38	H	Peak
5644.500000	63.77	H	Peak
8750.000000	51.51	V	Peak
9648.000000	53.28	V	Peak
11530.000000	53.98	V	Peak
13543.000000	55.57	V	Peak
14472.000000	52.71	V	Peak

- MIDDLE CHANNEL. Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
3750.000000	52.08	V	Peak
3812.500000	50.49	V	Peak
5376.000000	57.12	H	Peak
	45.51		Average
5596.500000	57.17	H	Peak
5980.000000	58.00	H	Peak
8750.000000	50.68	V	Peak
9648.000000	52.94	V	Peak
11570.000000	54.28	V	Peak
13679.500000	54.62	H	Peak
14472.000000	53.14	V	Peak
34717.360000	50.24	V	Peak

- CHANNEL (161). Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
3750.000000	51.78	V	Peak
3812.500000	50.26	V	Peak
4992.000000	55.32	H	Peak
	45.55		Average
5376.000000	52.88	V	Peak
5925.000000	64.15	H	Peak
5952.000000	56.13	H	Peak
8750.000000	51.20	V	Peak
9647.500000	53.44	V	Peak
10000.500000	51.47	V	Peak
11610.000000	53.54	V	Peak
13665.500000	54.94	V	Peak
14472.000000	52.87		Peak

- HIGH CHANNEL. Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
3750.000000	52.12	H	Peak
3812.500000	50.51	V	Peak
4992.000000	56.01	H	Peak
	45.95		Average
5376.000000	57.16	H	Peak
	47.49		Average
5945.000000	65.93	H	Peak
8750.000000	50.62	V	Peak
9648.000000	52.86	V	Peak
11650.000000	52.42	V	Peak
13604.500000	55.54	V	Peak
14472.000000	53.02	V	Peak

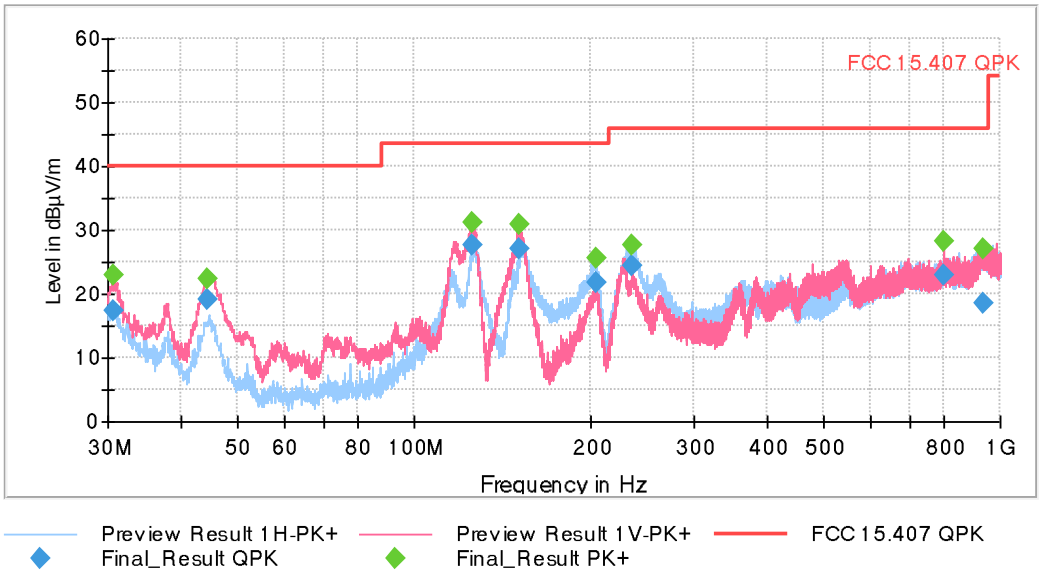
Measurement uncertainty (dB) <± 4.6 for f ≥ 1 GHz up to 17 GHz
<± 4.89 for f ≥ 17 GHz up to 26.5 GHz
<± 5.14 for f ≥ 26.5 GHz up to 40 GHz

Verdict: PASS

SISO worst-case:

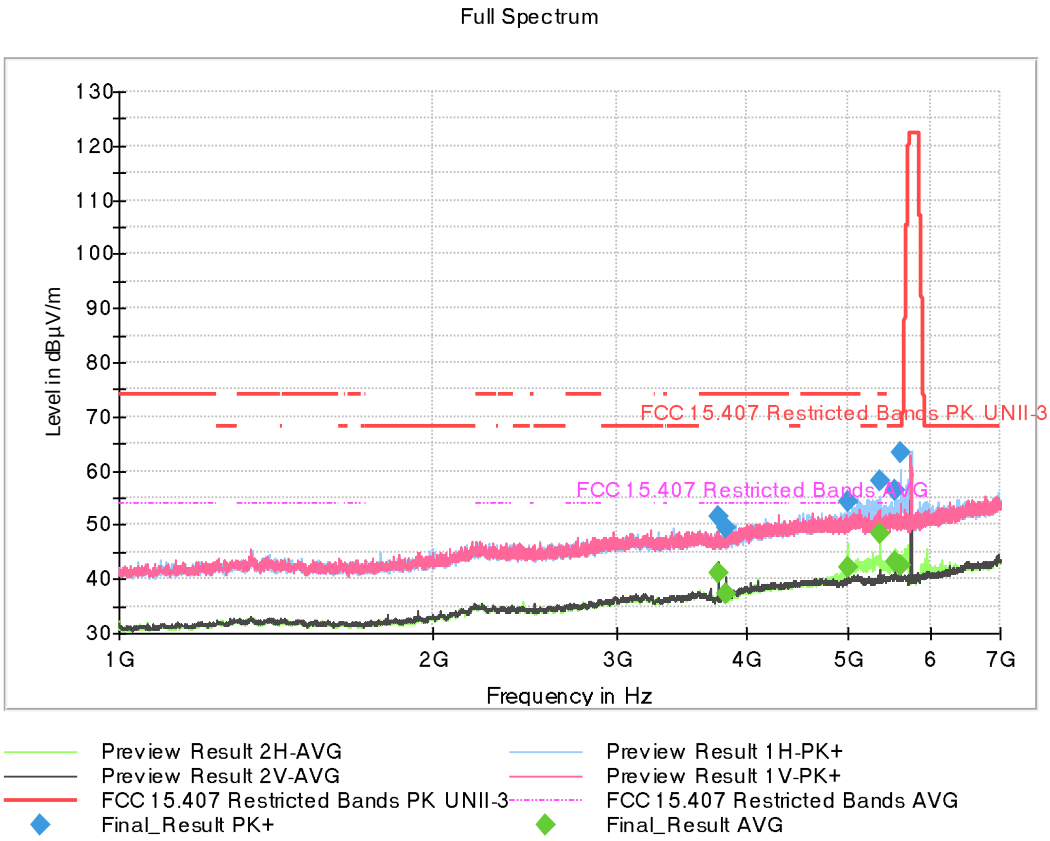
FREQUENCY RANGE 30 MHz - 1 GHz (SISO worst-case):

This plot is valid for all the Channels and all the modulation modes and bandwidths.



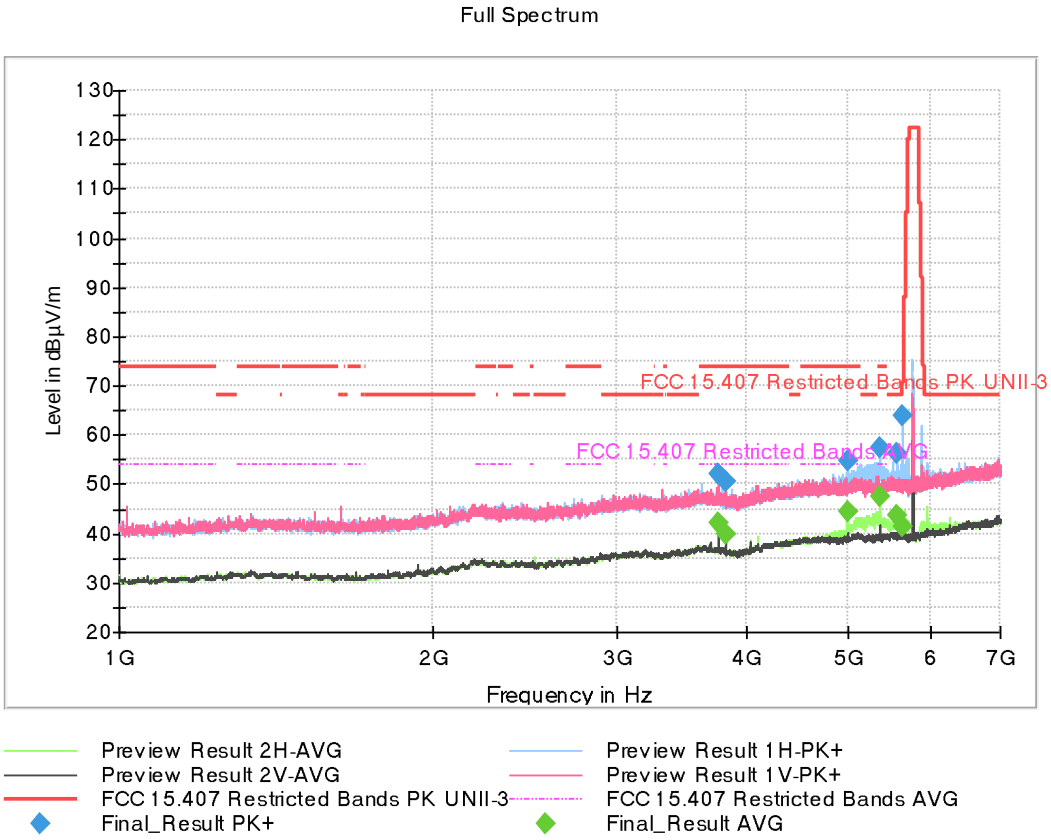
FREQUENCY RANGE 1 - 7 GHz (SISO worst-case):

- Low Channel:



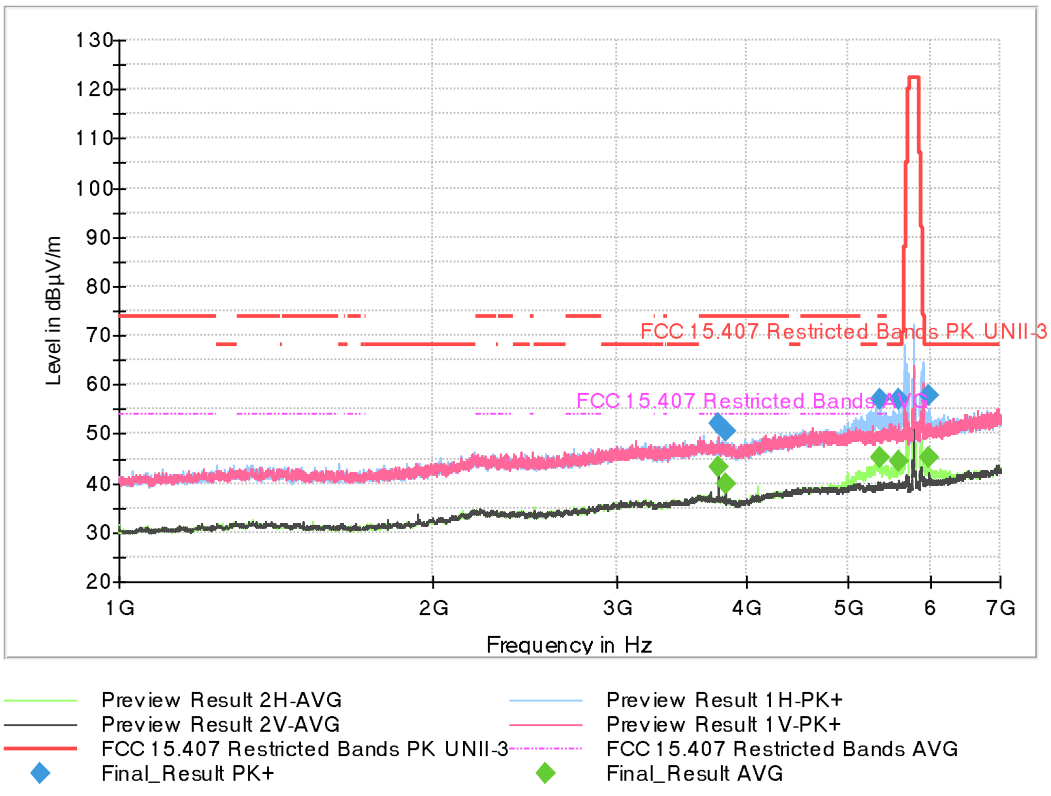
Note: The highest peak is the carrier frequency.

- CHANNEL (153):



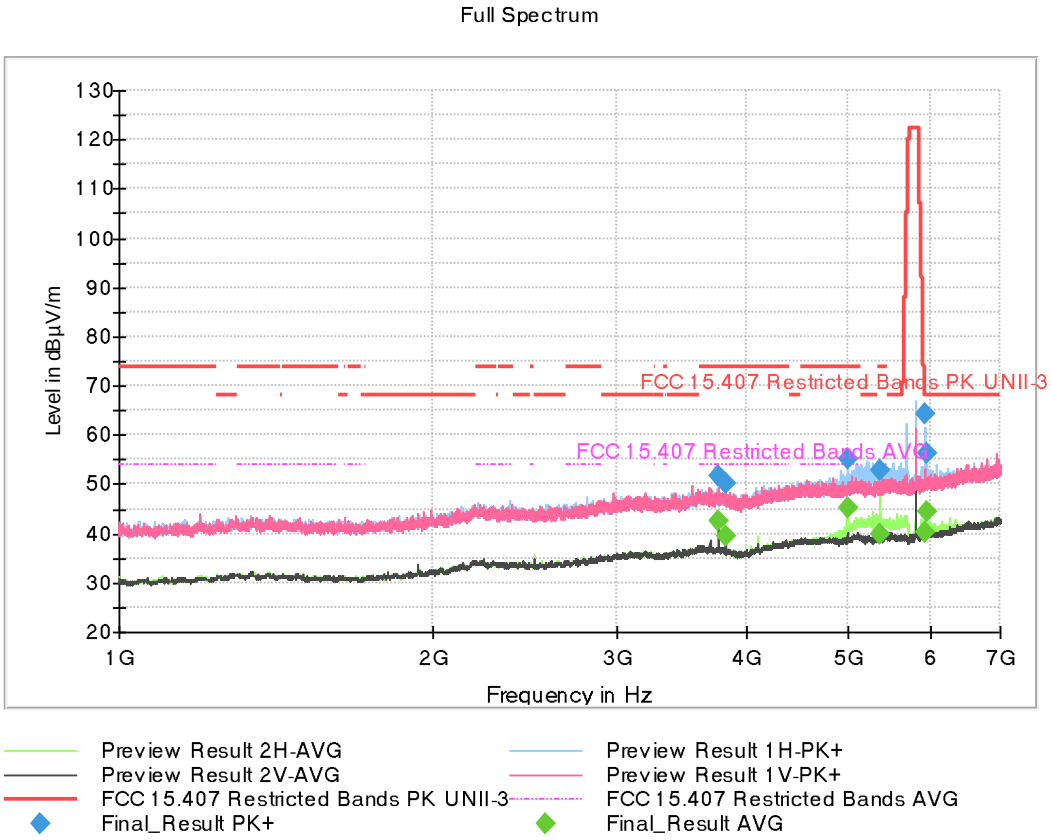
Note: The highest peak is the carrier frequency.

- Middle Channel:



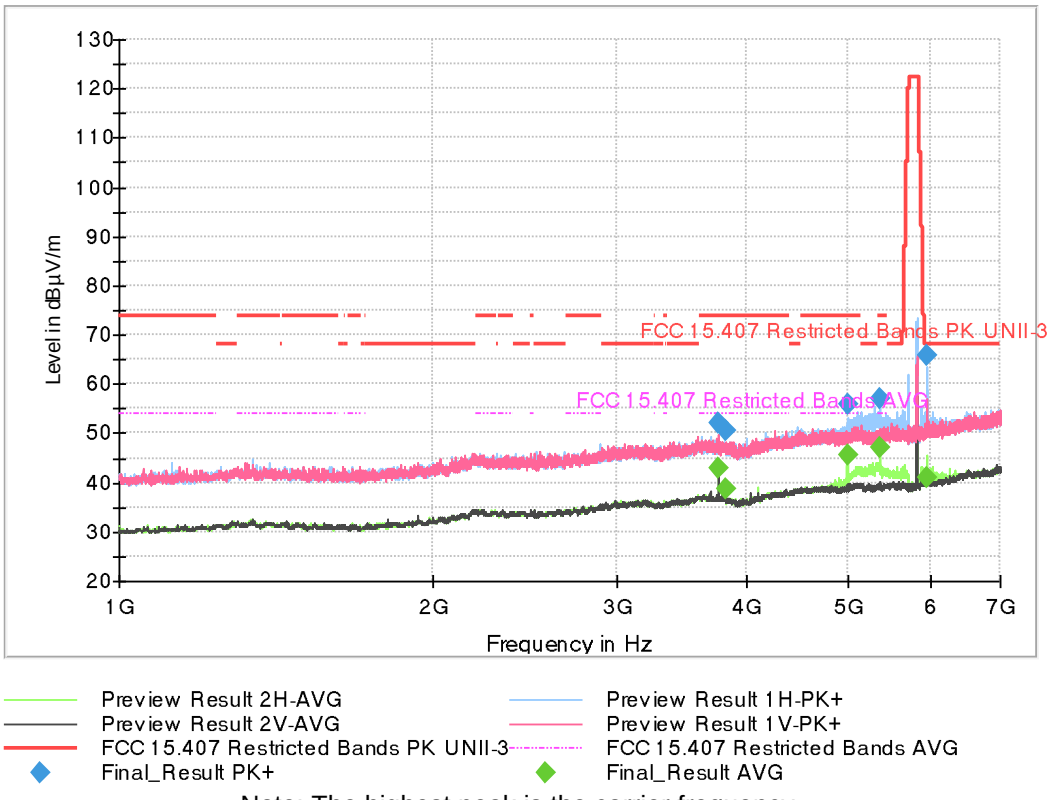
Note: The highest peak is the carrier frequency.

- CHANNEL (161):



Note: The highest peak is the carrier frequency.

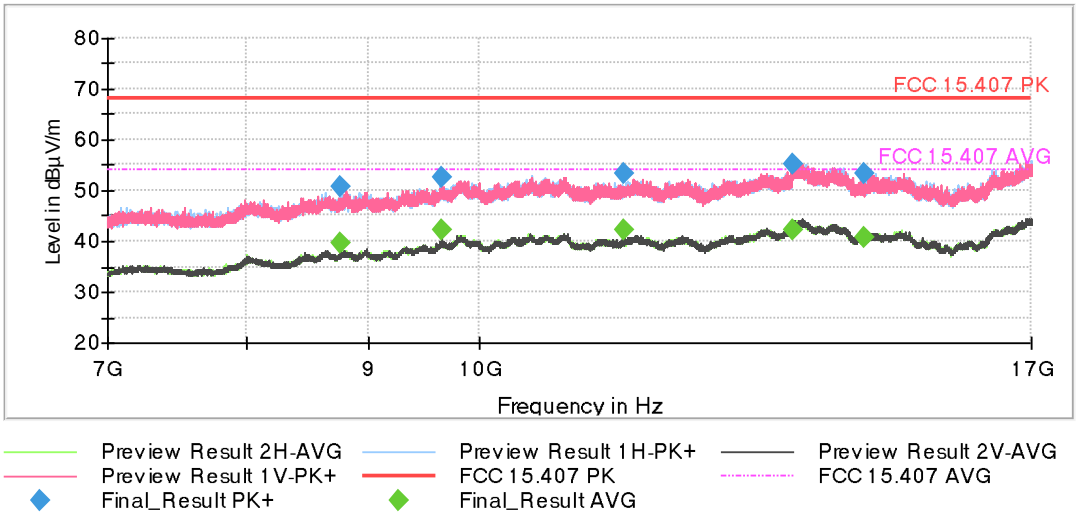
- High Channel:



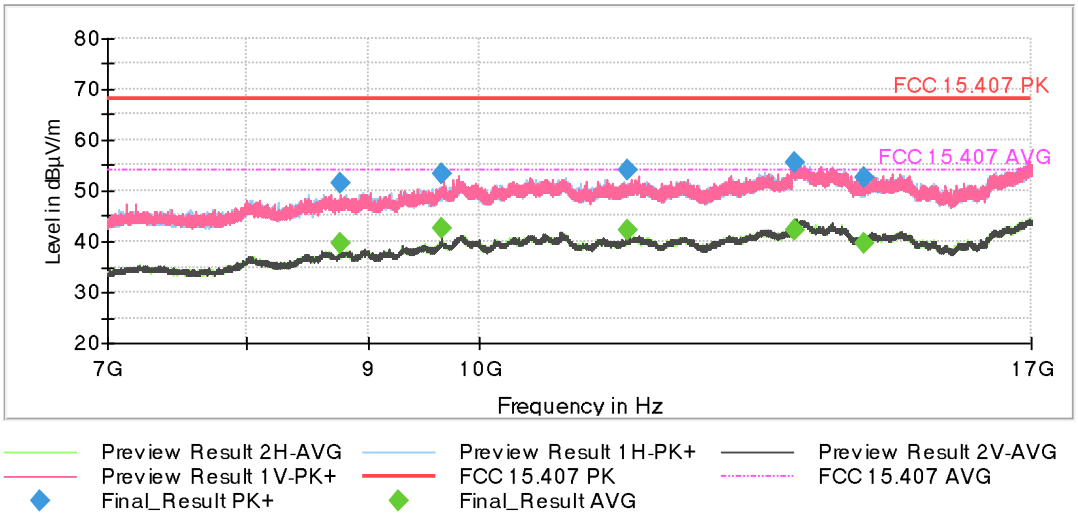
Note: The highest peak is the carrier frequency.

FREQUENCY RANGE 7 - 17 GHz (SISO worst-case):

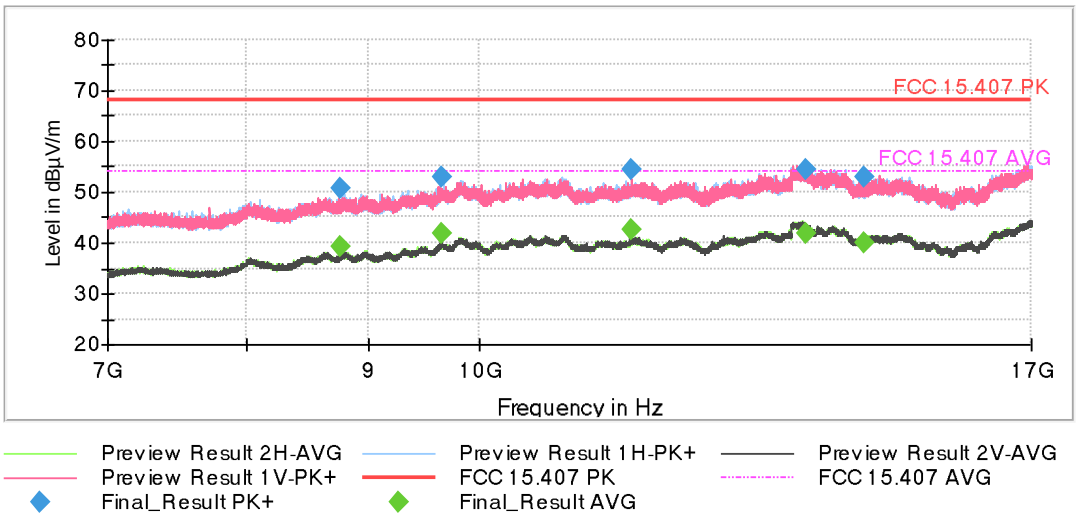
- Low Channel:



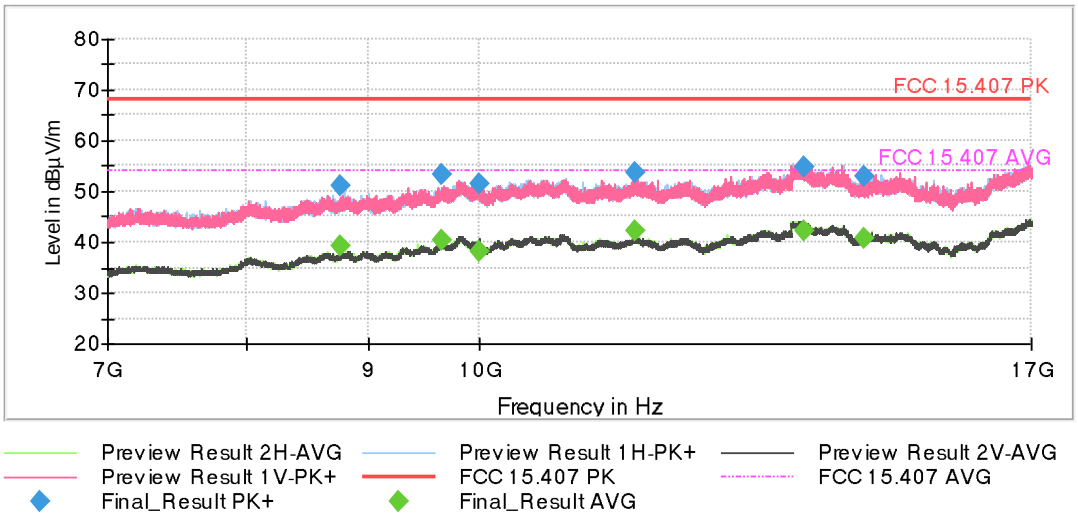
- CHANNEL (153):



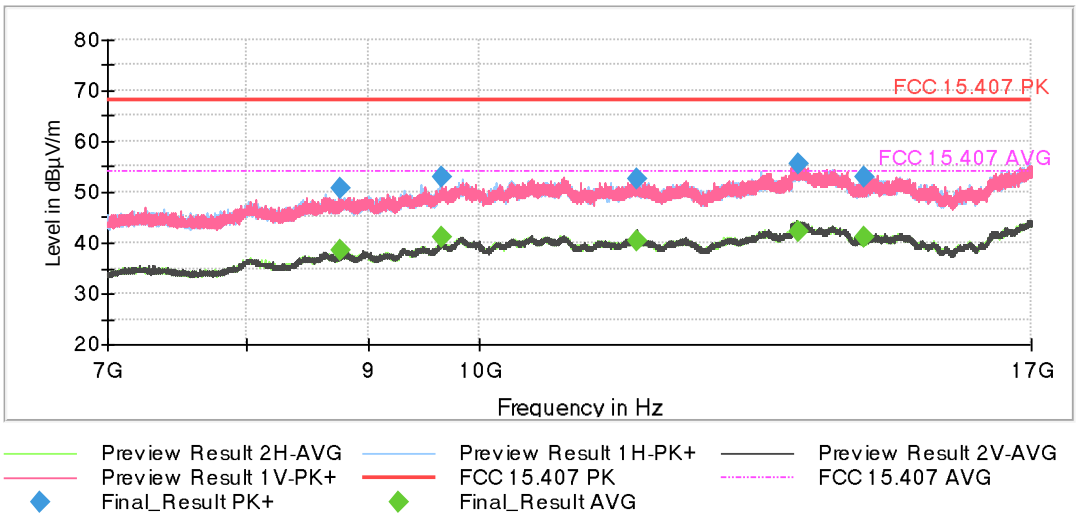
- Middle Channel:



- CHANNEL (161):

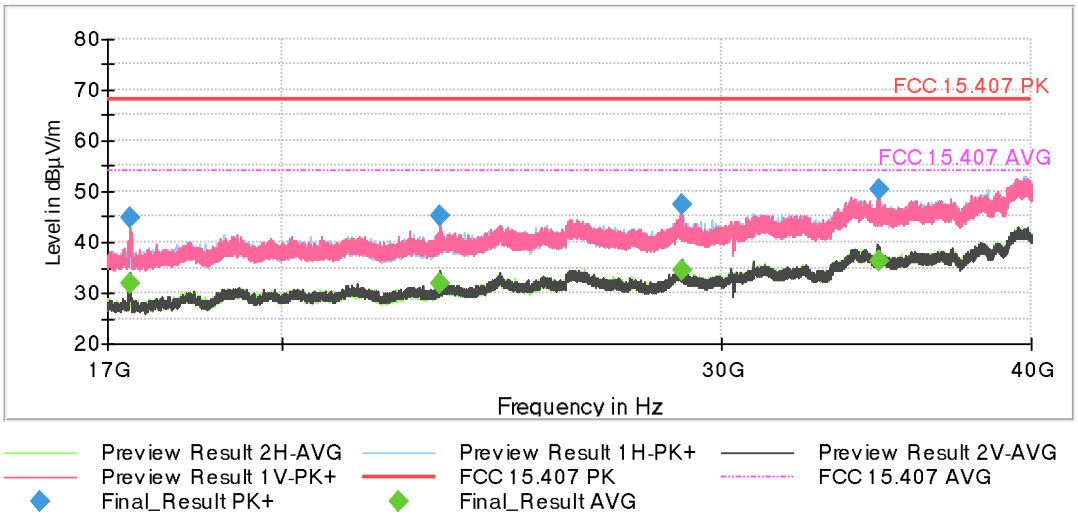


- High Channel:



FREQUENCY RANGE 17 - 40 GHz (SISO worst-case):

This plot is valid for all the Channels and all the modulation modes and bandwidths.



MIMO worst-case:

- Preliminary tests determined as the MIMO worst-case: **WLAN12**.

Worst-case (OFDM/OFDMA): **802.11 a20**

Frequency range 30 MHz - 1 GHz (MIMO worst-case):

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

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
126.175500	26.44	V	Quasi Peak
150.571000	25.92	V	Quasi Peak

Measurement Uncertainty (dB) <± 5.1

Frequency range 1 - 40 GHz (MIMO worst-case):

The results in the next tables show the maximum measured levels in the 1-40 GHz range except the 5.65-5.725 GHz and 5.85-5.925GHz adjacent bands. The results in the adjacent bands was evaluated on the next section.

Spurious frequencies with peak levels above the average limit (54 dBµV/m at 3 m) are measured with an average detector for checking compliance with the average limit.

- **MIMO 802.11 a20 (MIMO worst-case):**

  - LOW CHANNEL. Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
5182.000000	51.47	V	Peak
5376.000000	58.52	H	Peak
	46.46		Average
5625.000000	63.31	H	Peak
8750.000000	49.86	V	Peak
9648.000000	52.41	V	Peak
11490.000000	53.03	V	Peak

  - CHANNEL (153). Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
5184.000000	59.60	H	Peak
5581.000000	61.82	H	Peak
5645.500000	65.81	H	Peak
8750.000000	50.32	V	Peak
9647.500000	52.01	V	Peak
14472.000000	53.08	V	Peak

- MIDDLE CHANNEL. Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
5394.000000	51.93	V	Peak
5588.000000	62.84	H	Peak
5970.000000	60.25	H	Peak
9648.000000	52.85	V	Peak
14070.500000	54.05	V	Peak
14472.000000	52.65	V	Peak
39434.660000	52.85	V	Peak

- CHANNEL (161). Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
5505.500000	58.98	H	Peak
5621.000000	62.29	H	Peak
5924.500000	62.96	H	Peak
6001.000000	59.03	H	Peak
9648.000000	52.01	V	Peak
14472.000000	53.20	V	Peak

- HIGH CHANNEL. Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Corrected Emission Level (dBµV/m)	Polarization	Detector
5568.500000	59.21	H	Peak
5635.500000	62.36	H	Peak
5945.500000	57.94	H	Peak
8750.000000	50.00	V	Peak
9648.000000	52.56	V	Peak
14472.000000	52.27	V	Peak

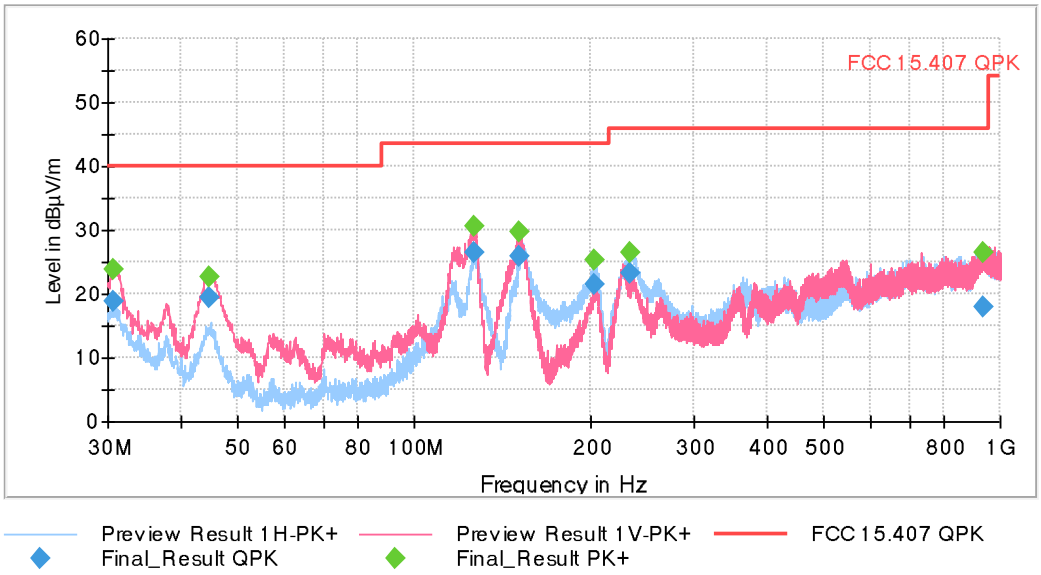
Measurement uncertainty (dB)	<± 4.6 for f ≥ 1 GHz up to 17 GHz <± 4.89 for f ≥ 17 GHz up to 26.5 GHz <± 5.14 for f ≥ 26.5 GHz up to 40 GHz

Verdict: PASS

MIMO worst-case:

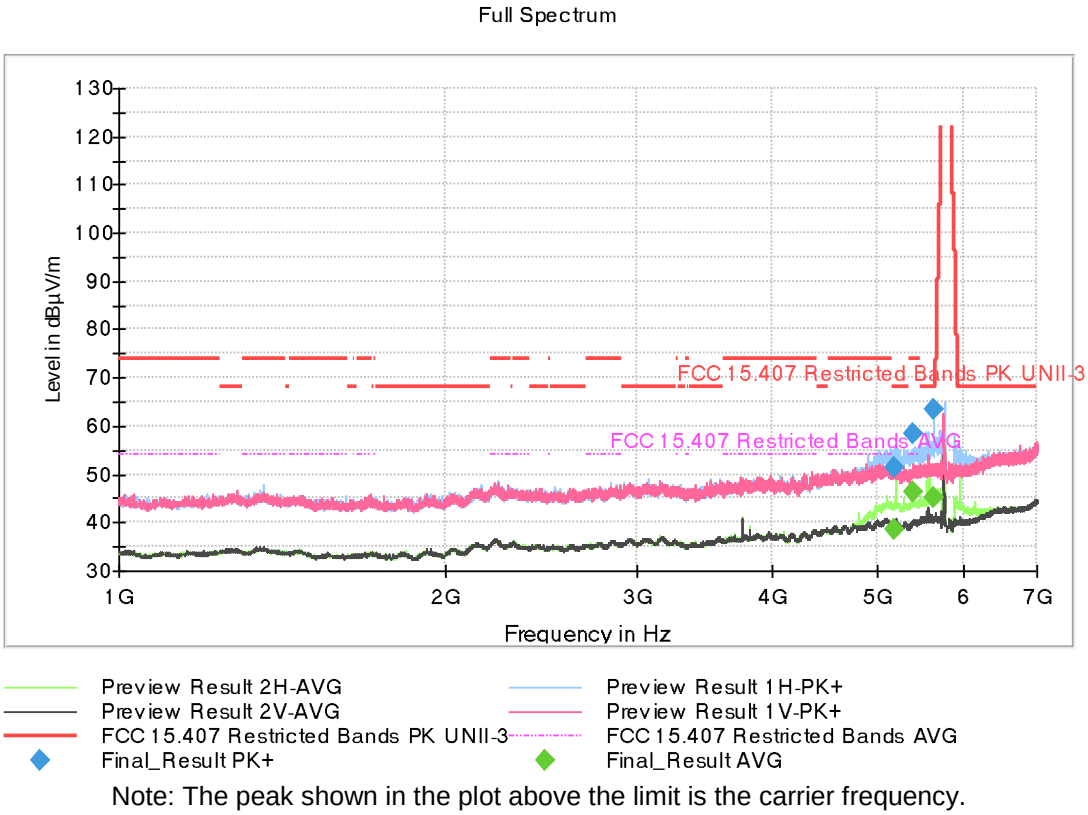
FREQUENCY RANGE 30 MHz - 1 GHz (MIMO worst-case):

This plot is valid for all the Channels and all the modulation modes and bandwidths.



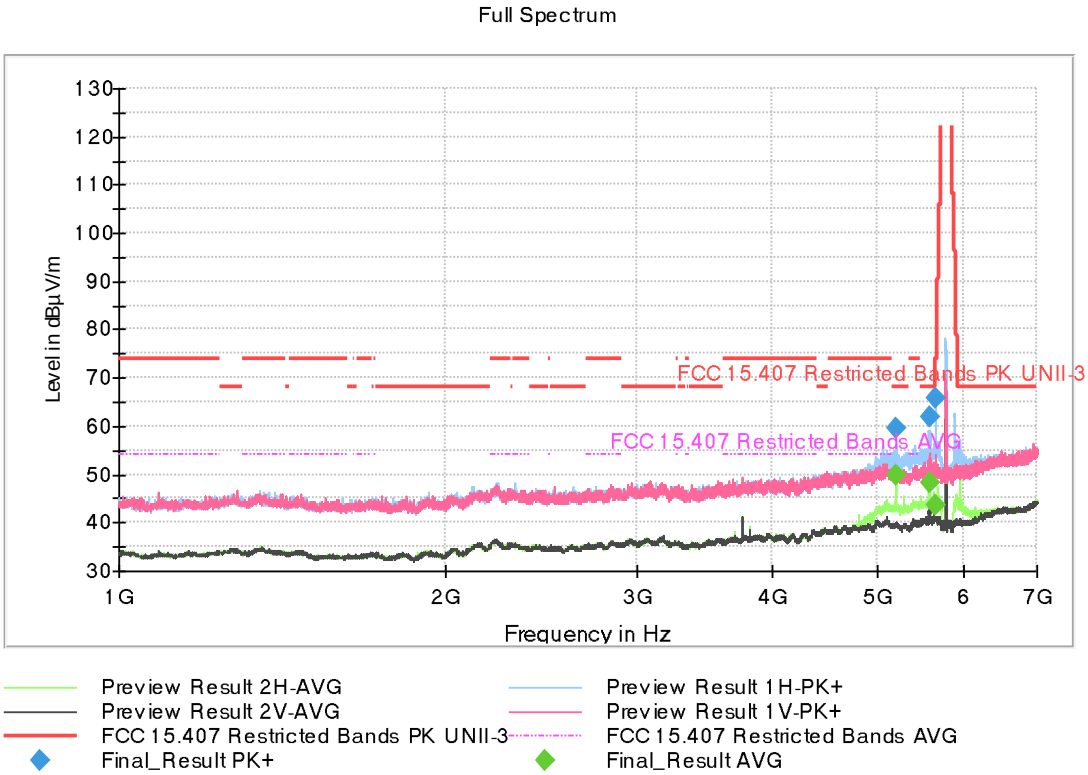
FREQUENCY RANGE 1 - 7 GHz (MIMO worst-case):

- Low Channel:



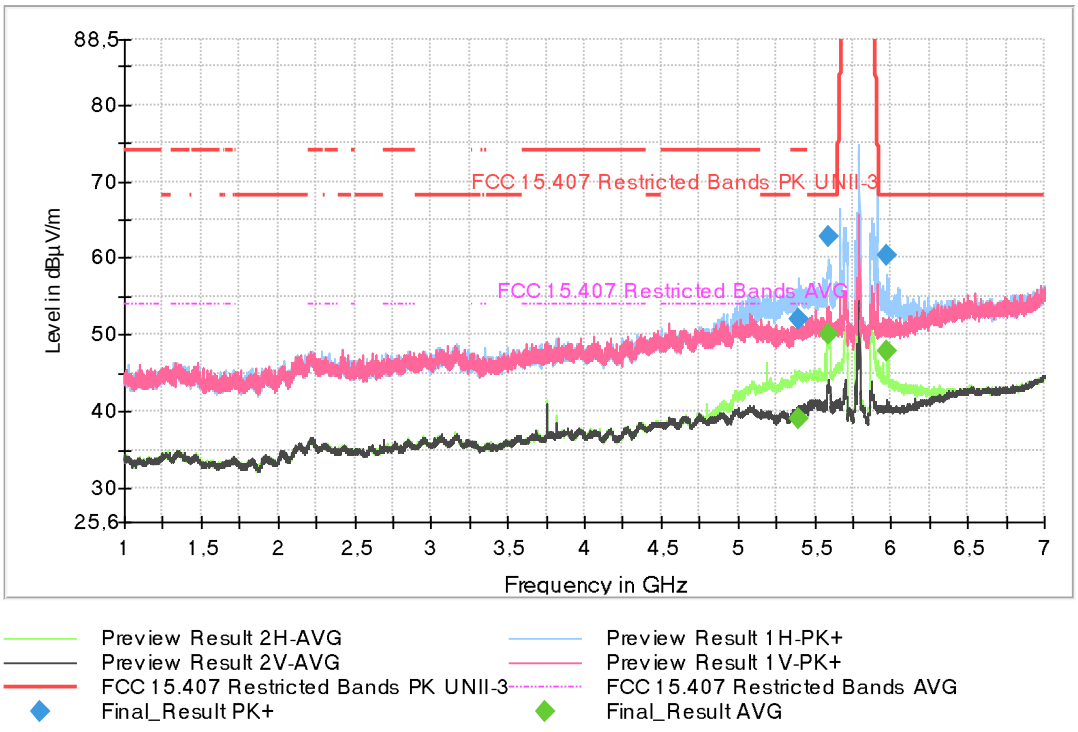
Note: The peak shown in the plot above the limit is the carrier frequency.

- CHANNEL (153):



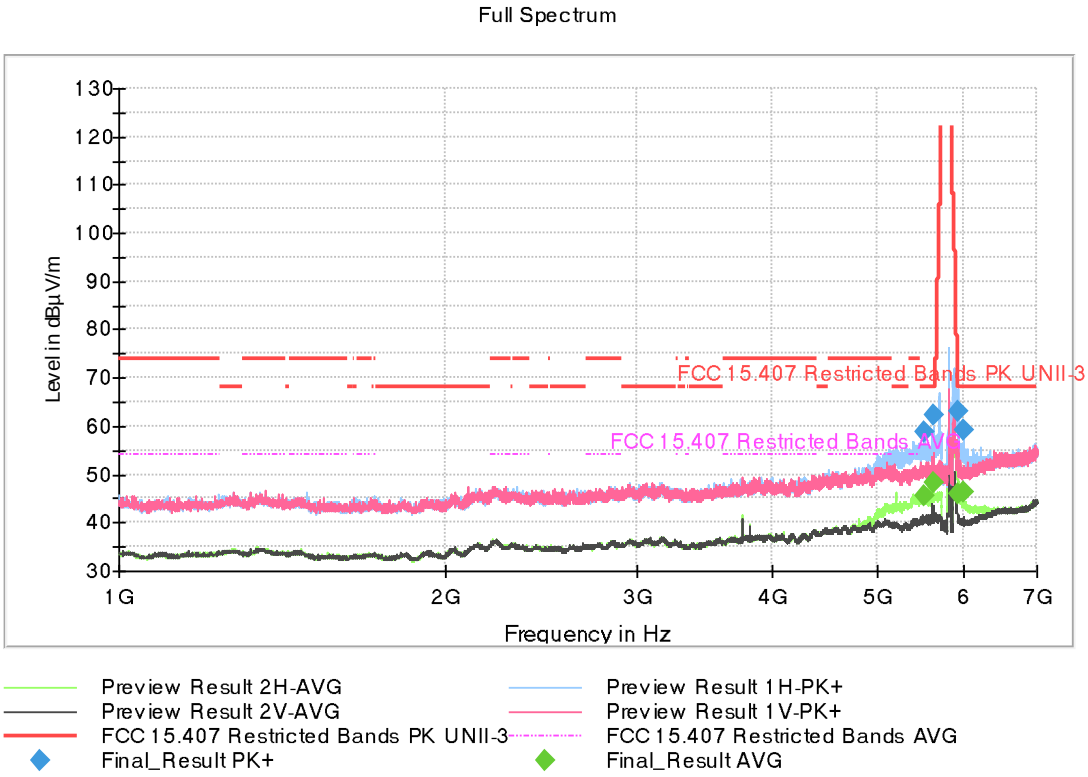
Note: The peak shown in the plot above the limit is the carrier frequency.

- Middle Channel:



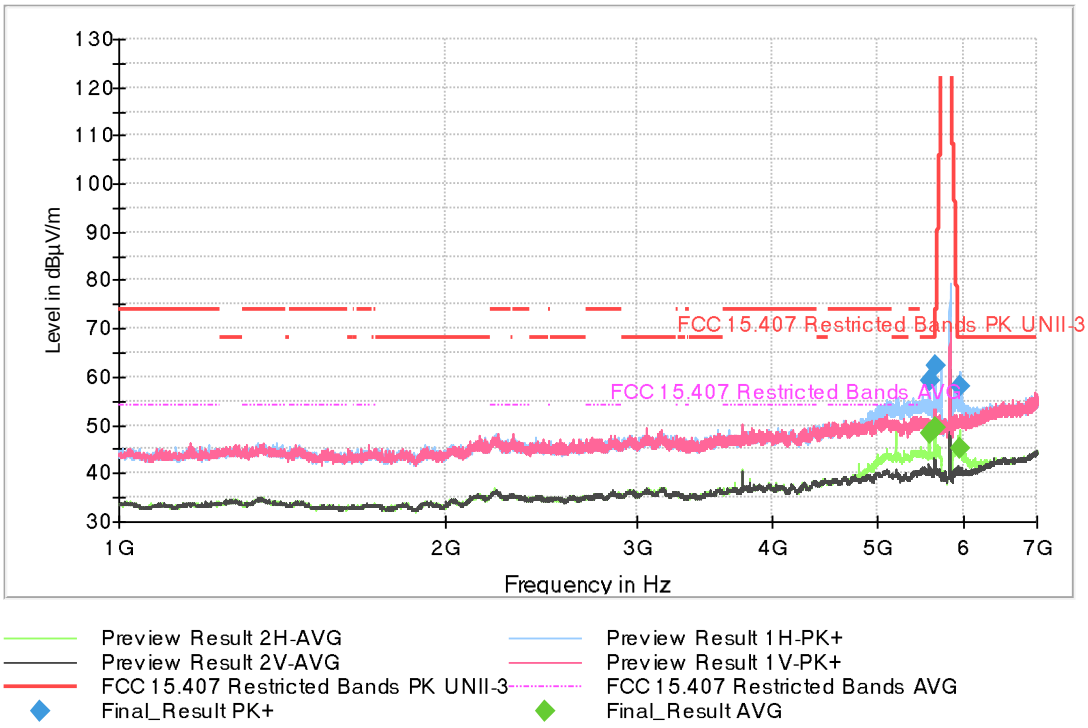
Note: The peak shown in the plot above the limit is the carrier frequency.

- CHANNEL (161):



Note: The peak shown in the plot above the limit is the carrier frequency.

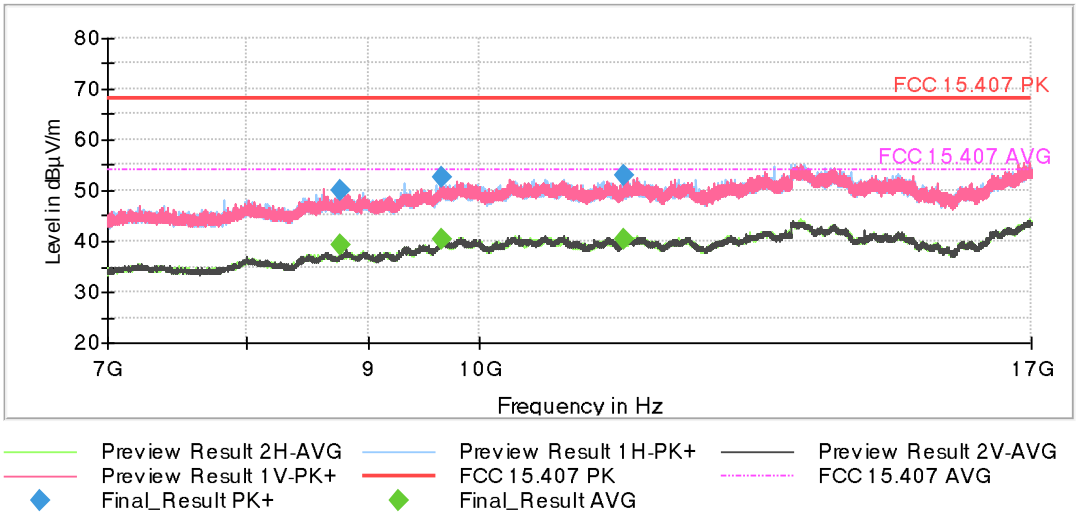
- High Channel:



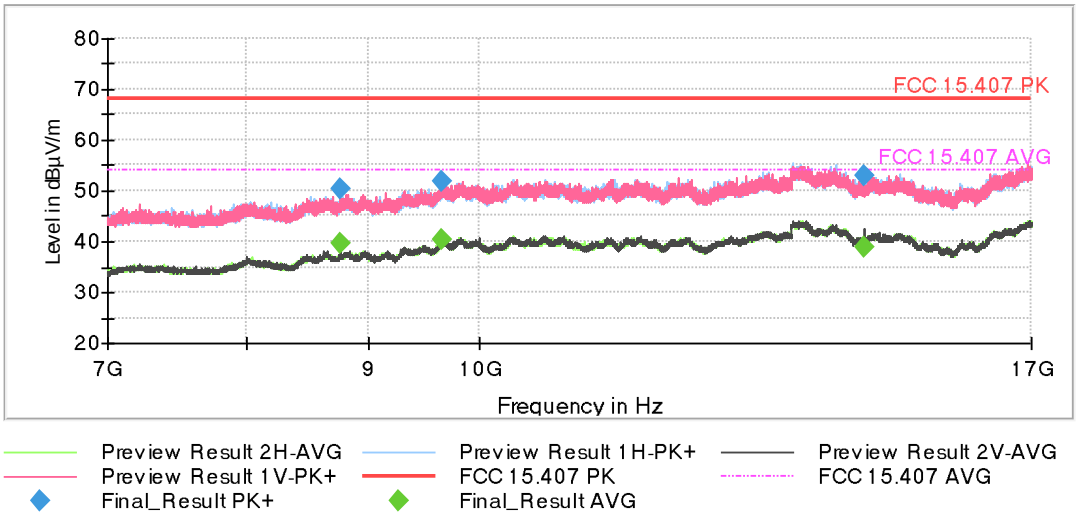
Note: The peak shown in the plot above the limit is the carrier frequency.

FREQUENCY RANGE 7 - 17 GHz (MIMO worst-case):

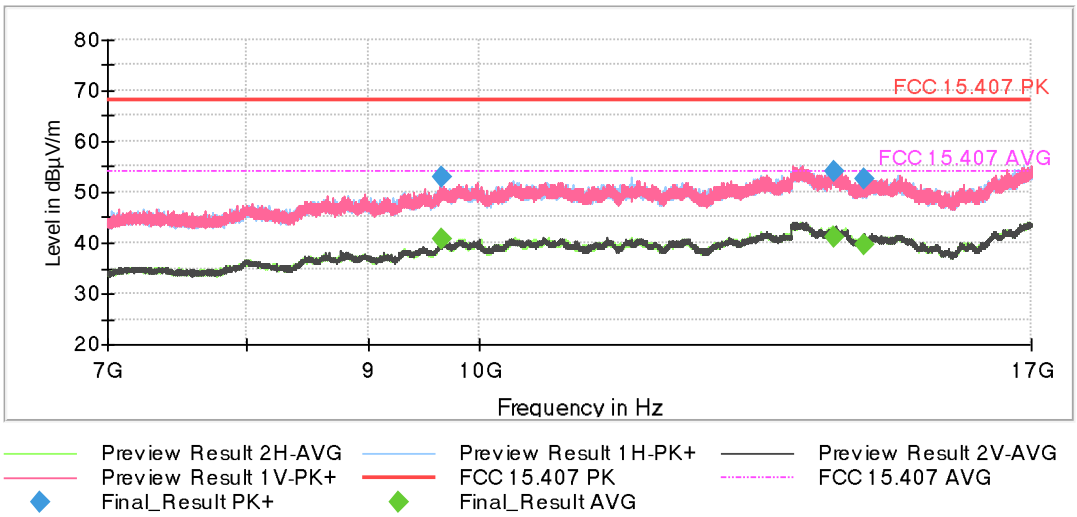
- Low Channel:



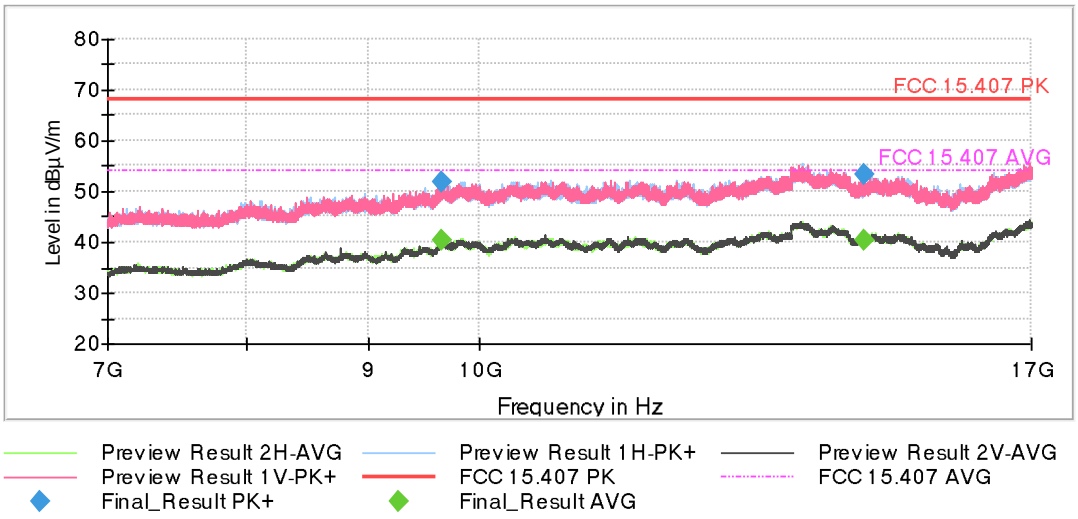
- CHANNEL (153):



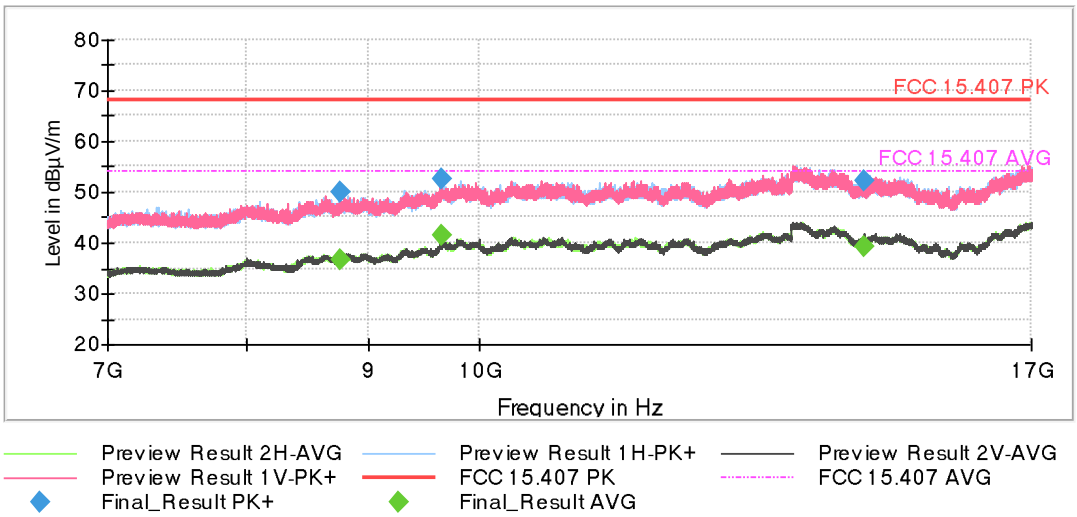
- Middle Channel:



- CHANNEL (161):

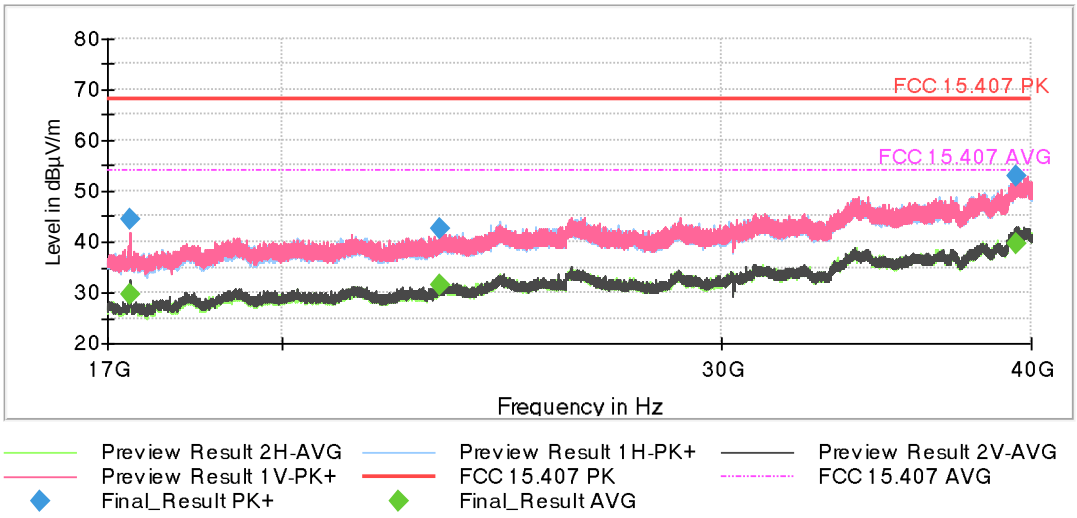


- High Channel:



FREQUENCY RANGE 17 - 40 GHz (MIMO worst-case):

This plot is valid for all the Channels and all the modulation modes and bandwidths.



BAND EDGE EMISSIONS:

SISO worst-case:

- **SISO 802.11 a20. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- CHANNEL (153):

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.66468	72.78	H	Peak
5.90484	71.88	H	Peak

- CHANNEL (161):

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- **SISO 802.11 n20. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- CHANNEL (153):

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.66493	74.11	H	Peak
5.90462	73	H	Peak

- CHANNEL (161):

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- **SISO 802.11 ac20. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- CHANNEL (153):

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.66494	76.35	H	Peak
5.90486	75.44	H	Peak

- CHANNEL (161):

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- **SISO 802.11 ax20. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- CHANNEL (153):

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.66437	74.5	H	Peak
5.90547	74.17	H	Peak

- CHANNEL (161):

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- **SISO 802.11 n40. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.67484	75.17	H	Peak
5.91484	73.43	H	Peak

- **SISO 802.11 ac40. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.67499	75.48	H	Peak
5.91514	73.81	H	Peak

- **SISO 802.11 ax40. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.67443	73.61	H	Peak
5.91499	72.27	H	Peak

- **SISO 802.11 ac80. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- SINGLE CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- **SISO 802.11 ax80. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- SINGLE CHANNEL:

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

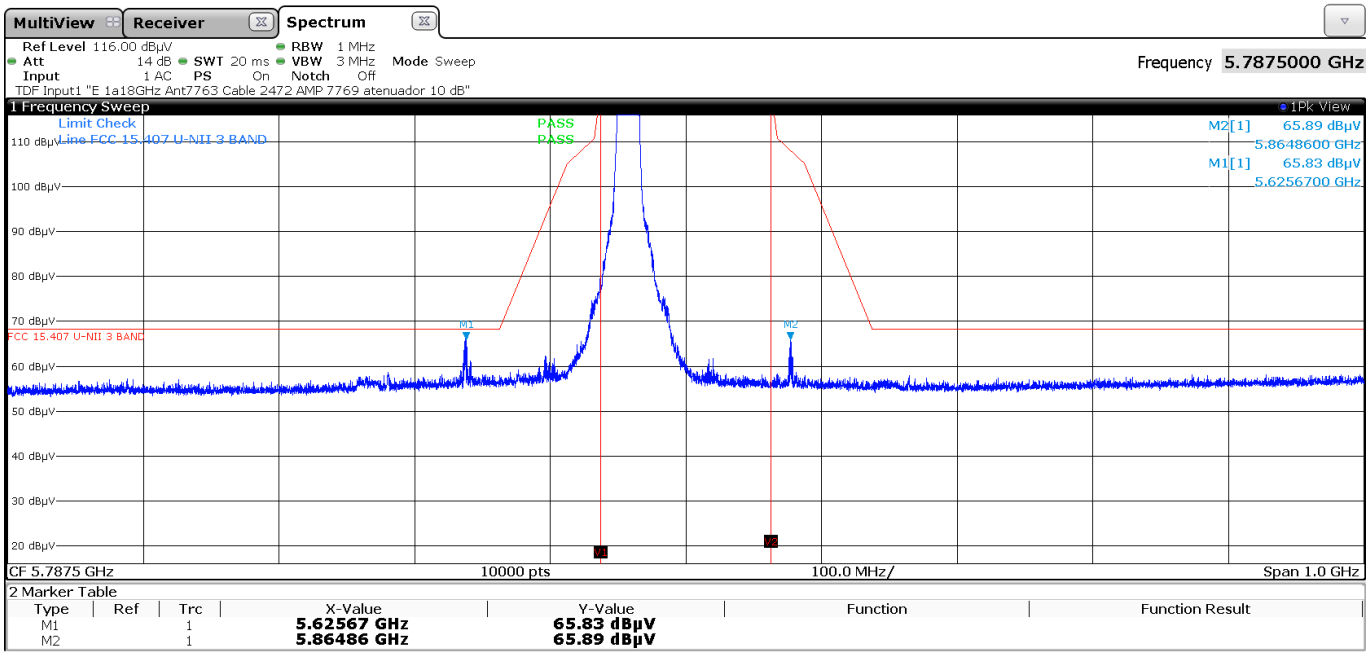
Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.6546	67.24	H	Peak

Measurement Uncertainly (dB) <± 4.6

Verdict: PASS

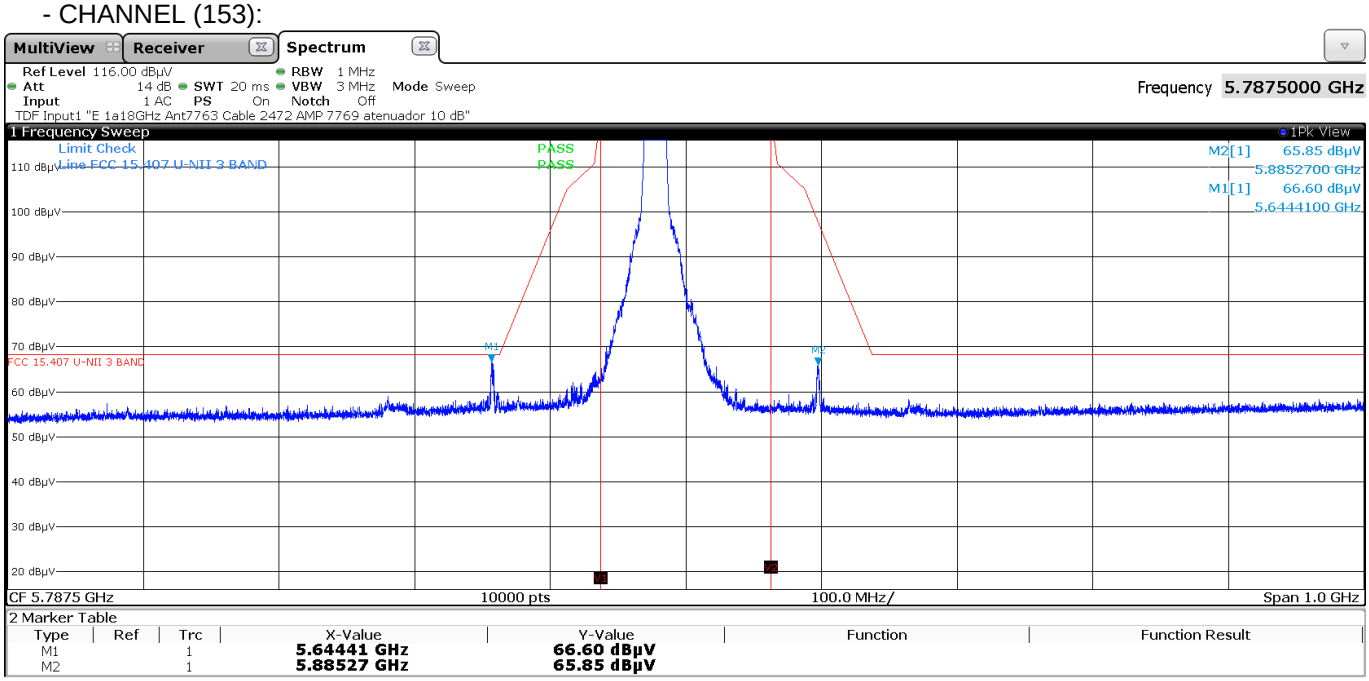
- **SISO 802.11 a20:**

- Low Channel:



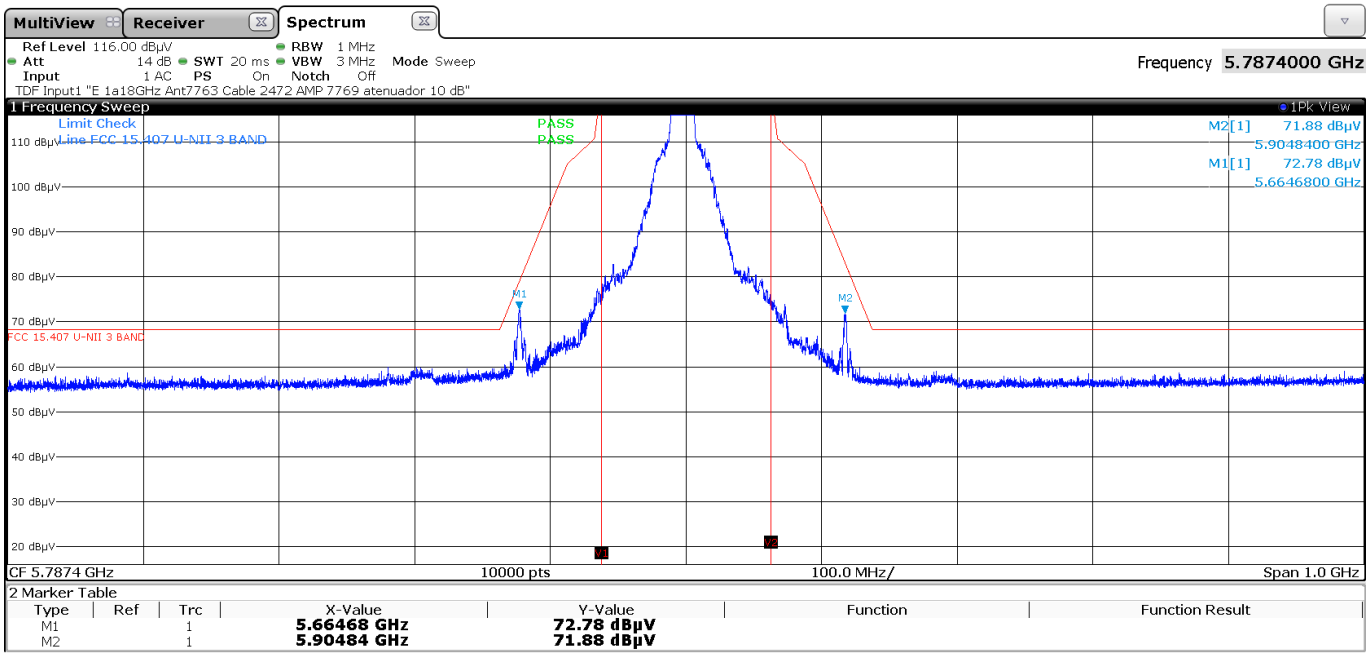
08:56:17 07.06.2021

- CHANNEL (153):

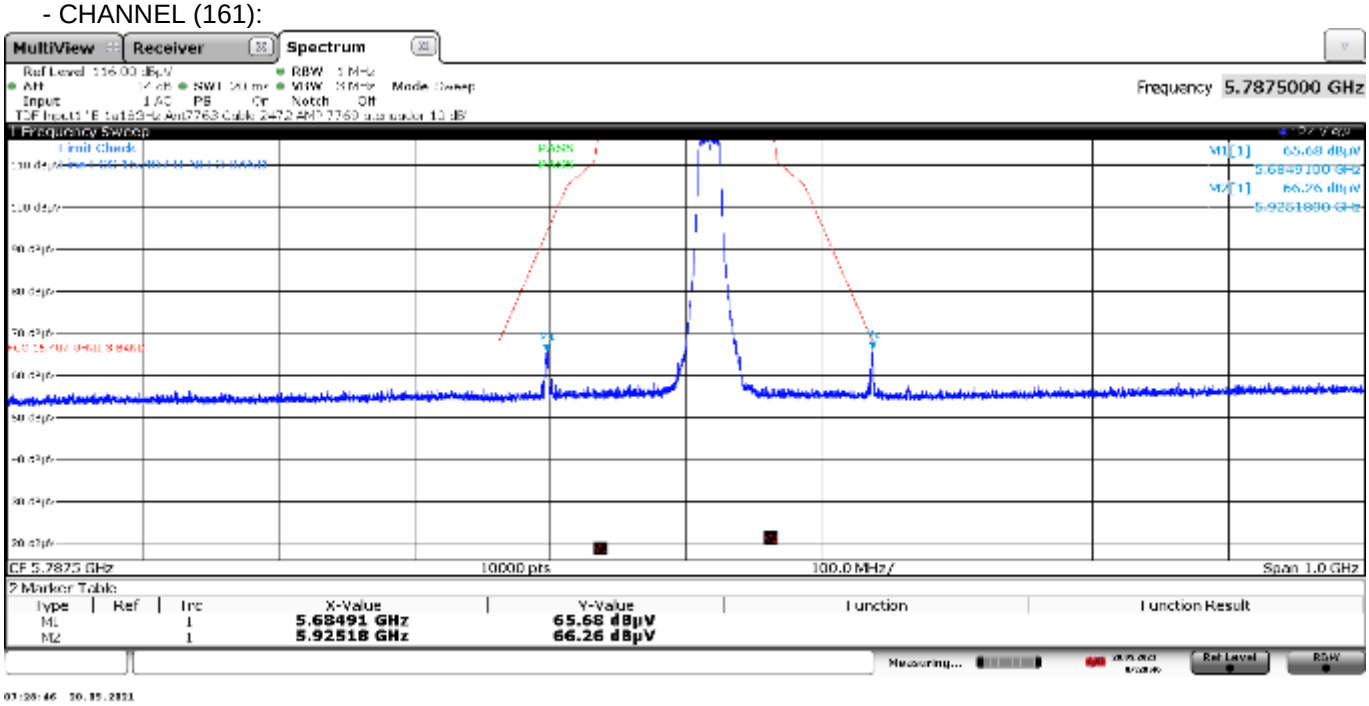


09:20:14 07.06.2021

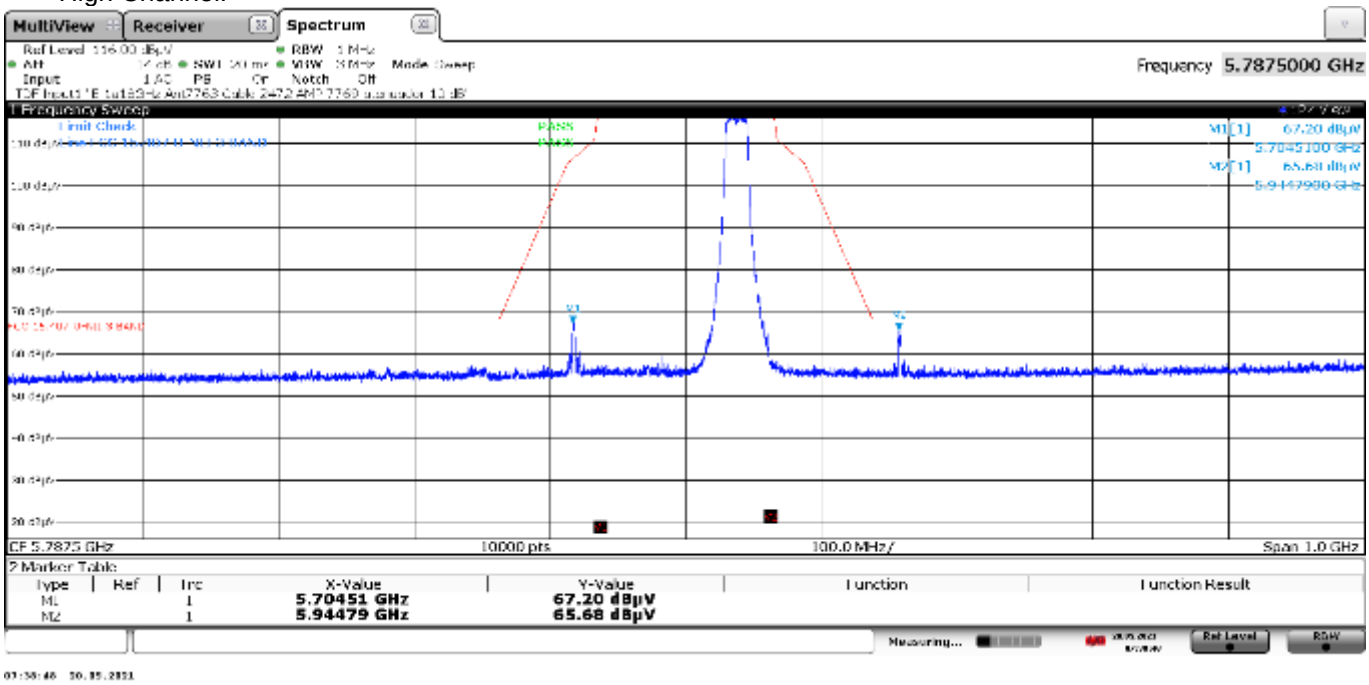
- Middle Channel:



- CHANNEL (161):

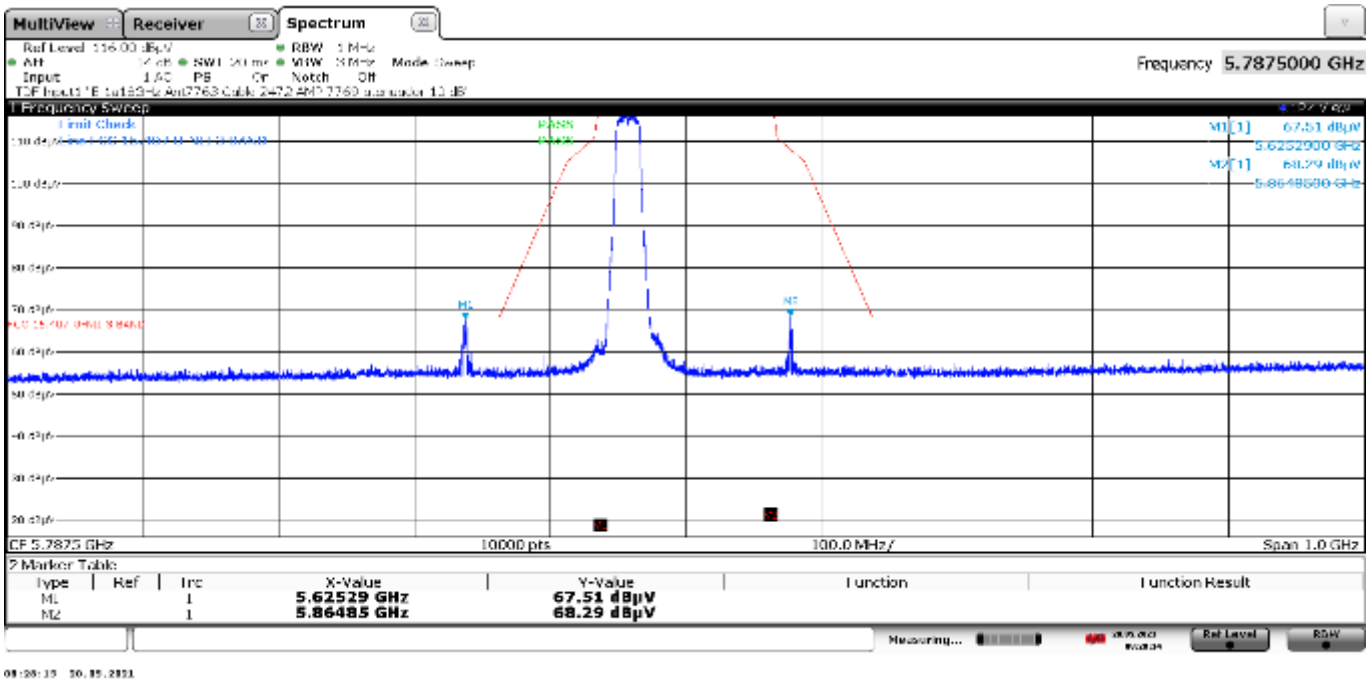


- High Channel:

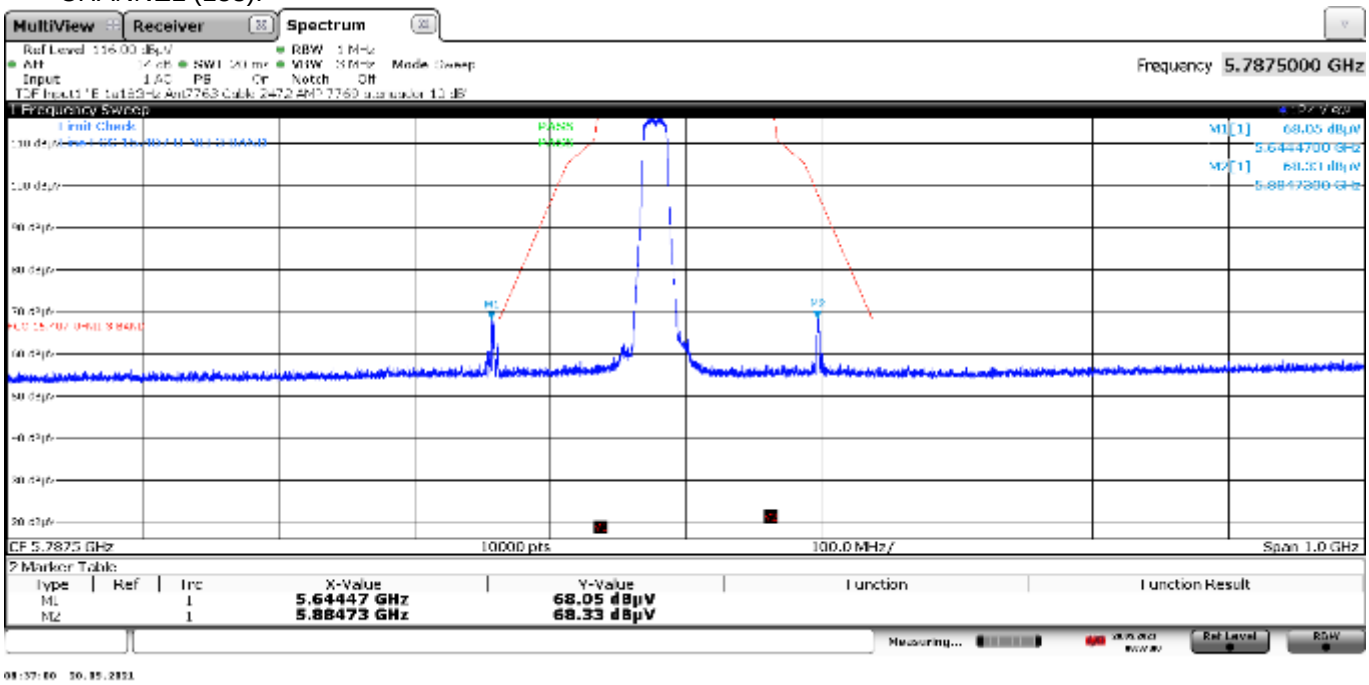


- **SISO 802.11 n20:**

- Low Channel:

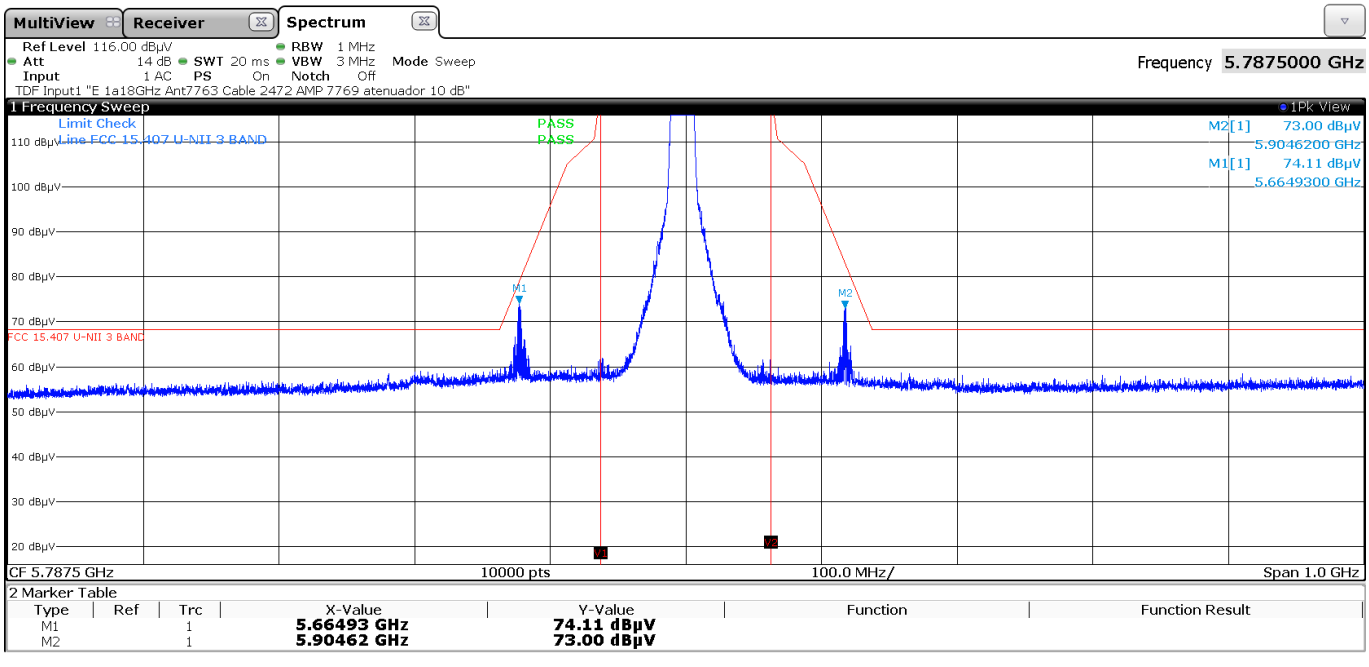


- CHANNEL (153):



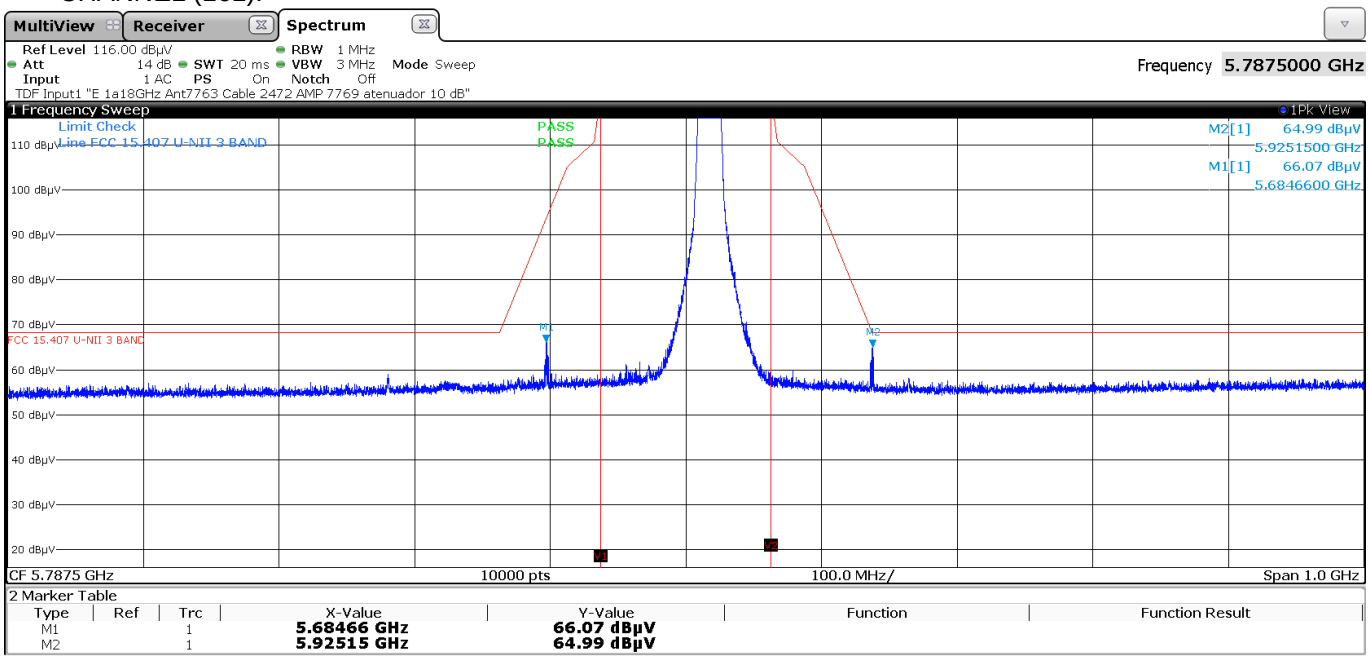
08:57:00 30.05.2021

- Middle Channel:



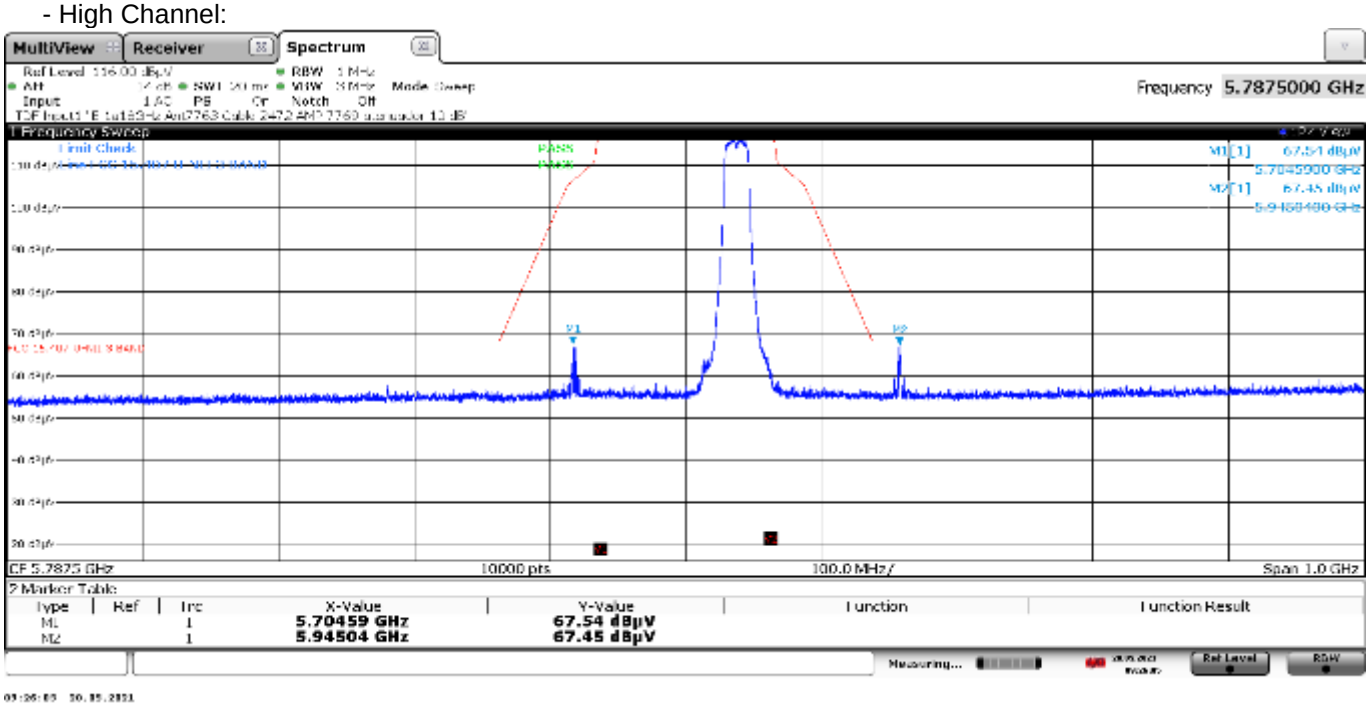
11:42:57 07.06.2021

- CHANNEL (161):



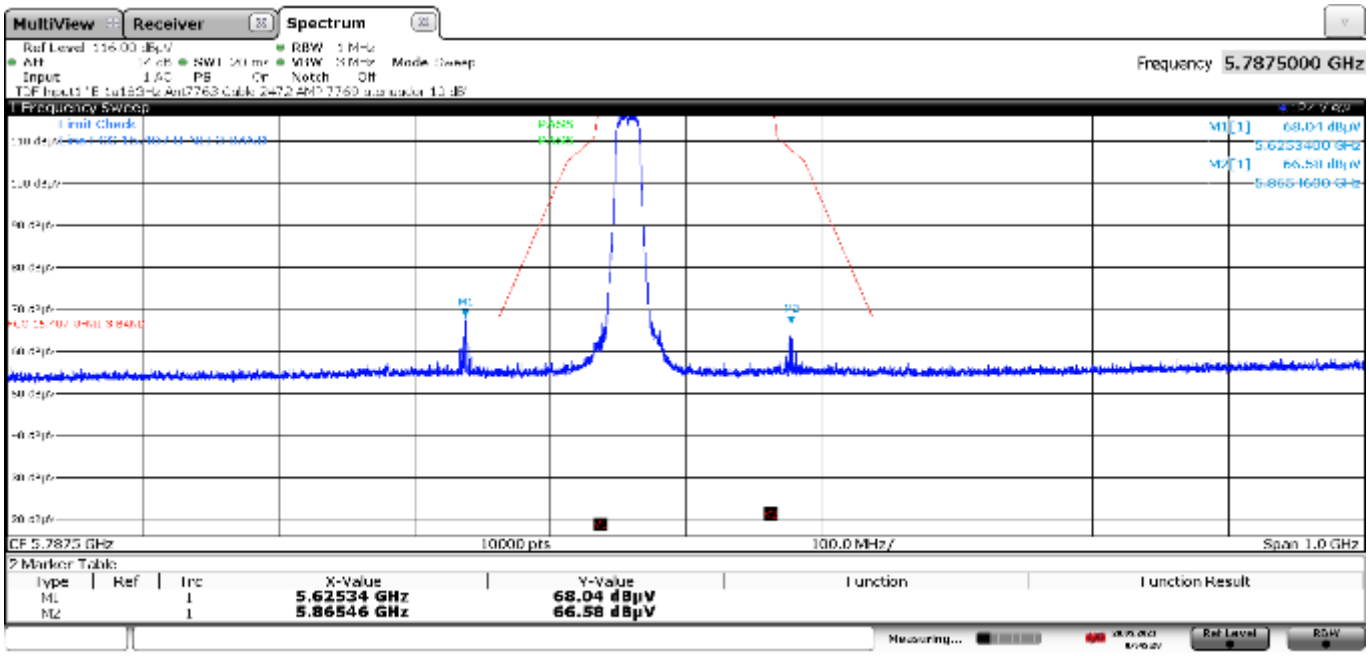
12:03:37 07.06.2021

- High Channel:

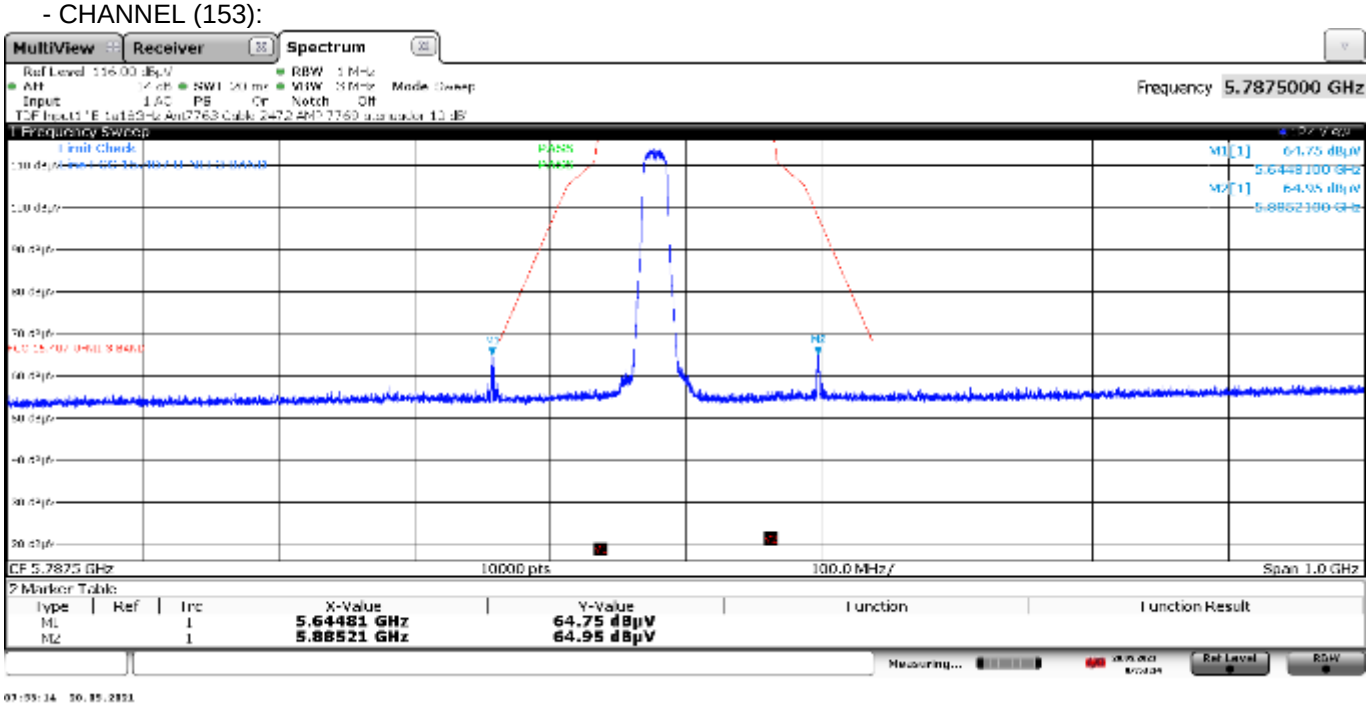


- **SISO 802.11 ac20:**

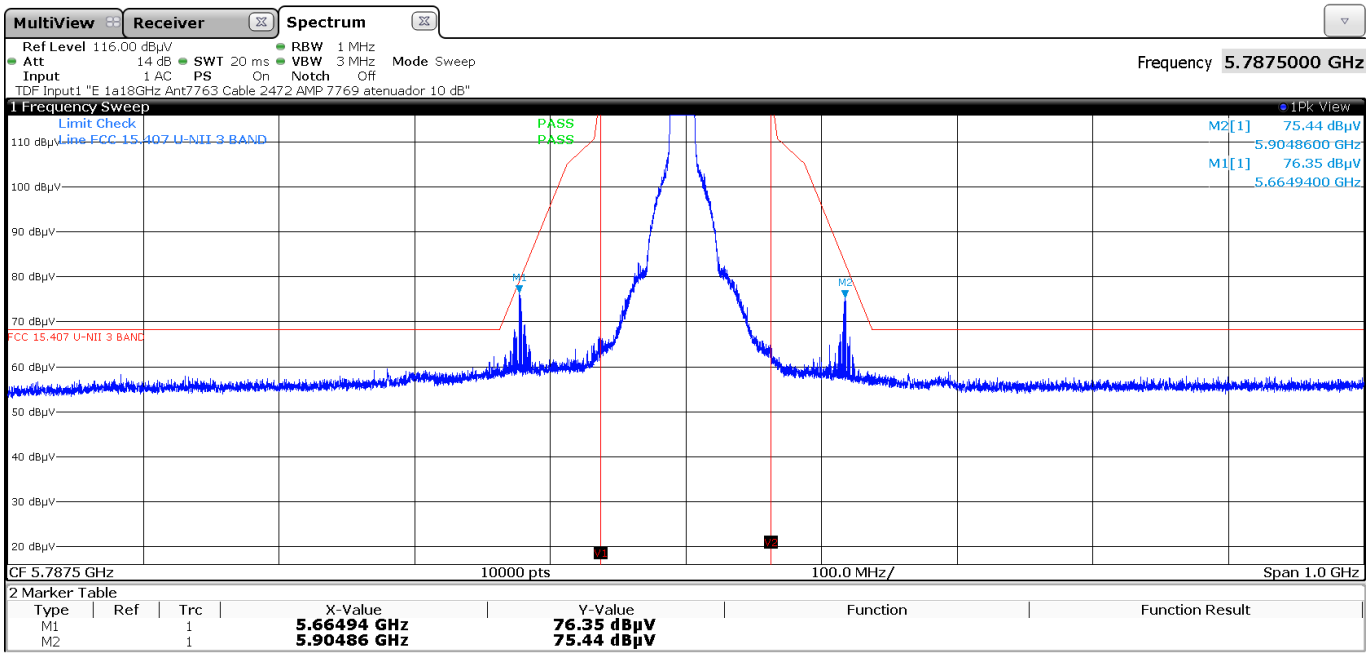
- Low Channel:



- CHANNEL (153):

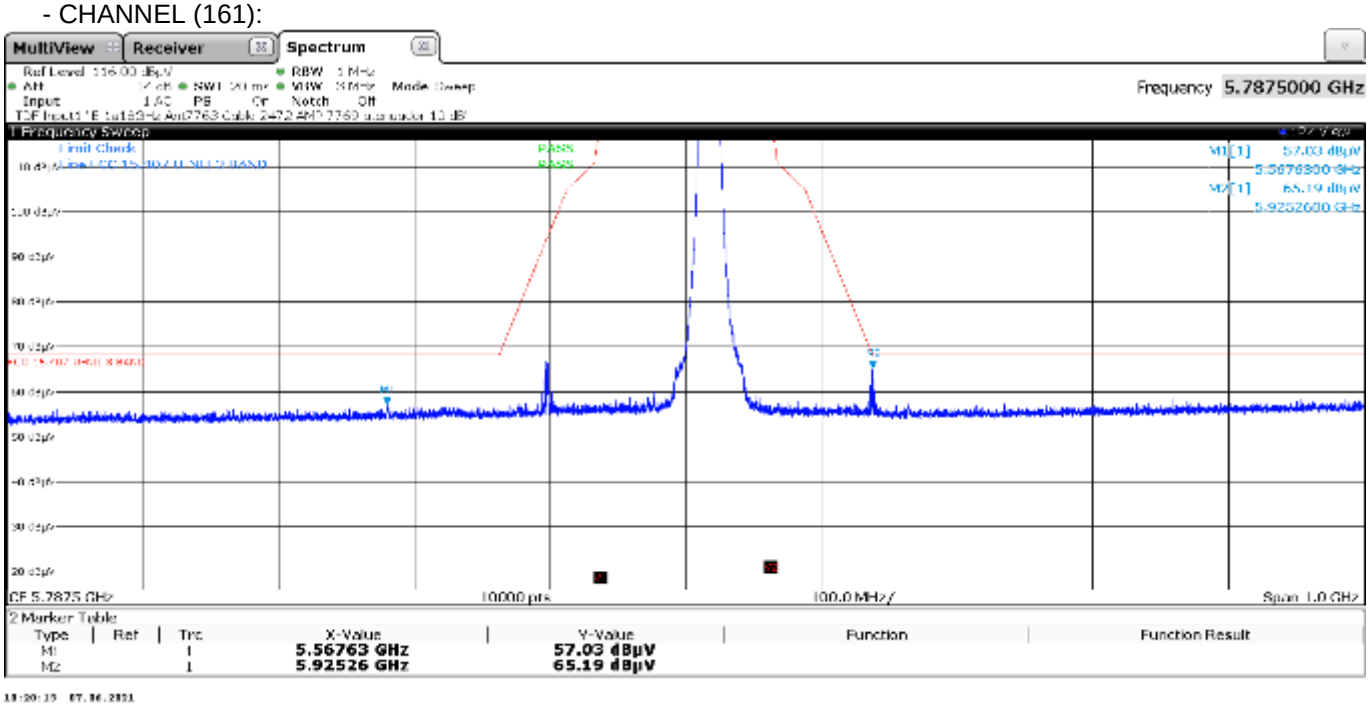


- Middle Channel:

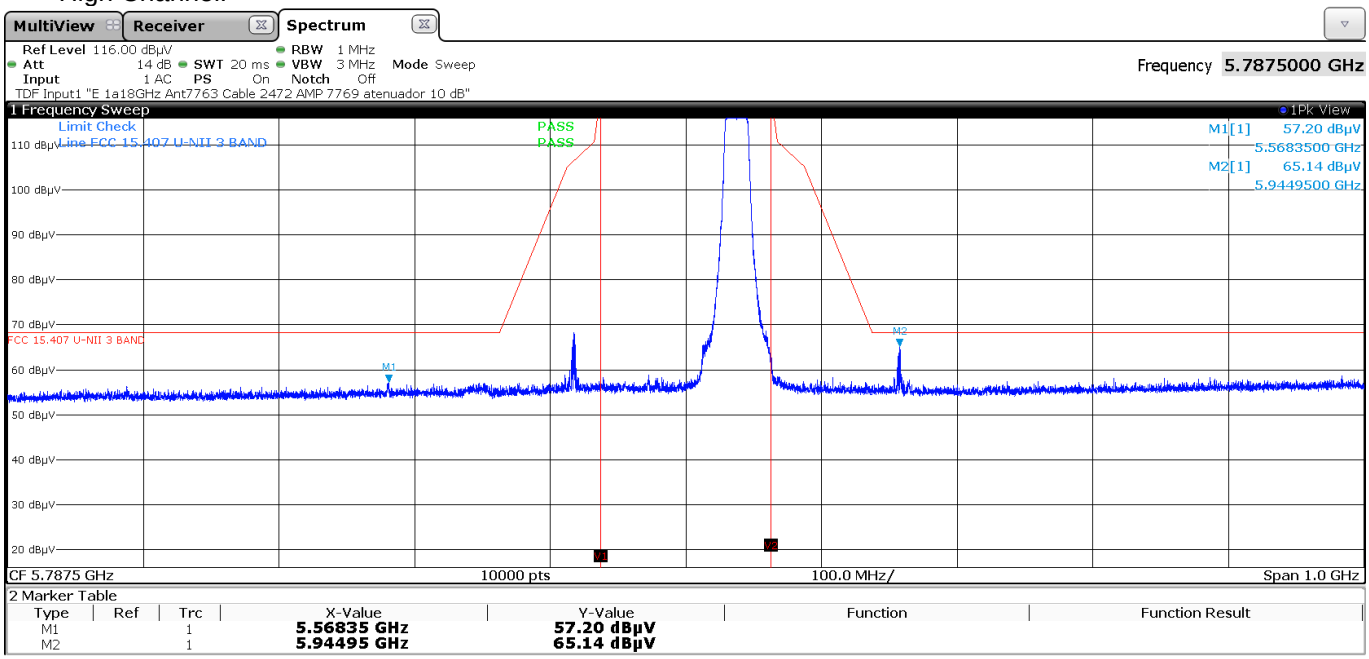


10:10:43 07.06.2021

- CHANNEL (161):

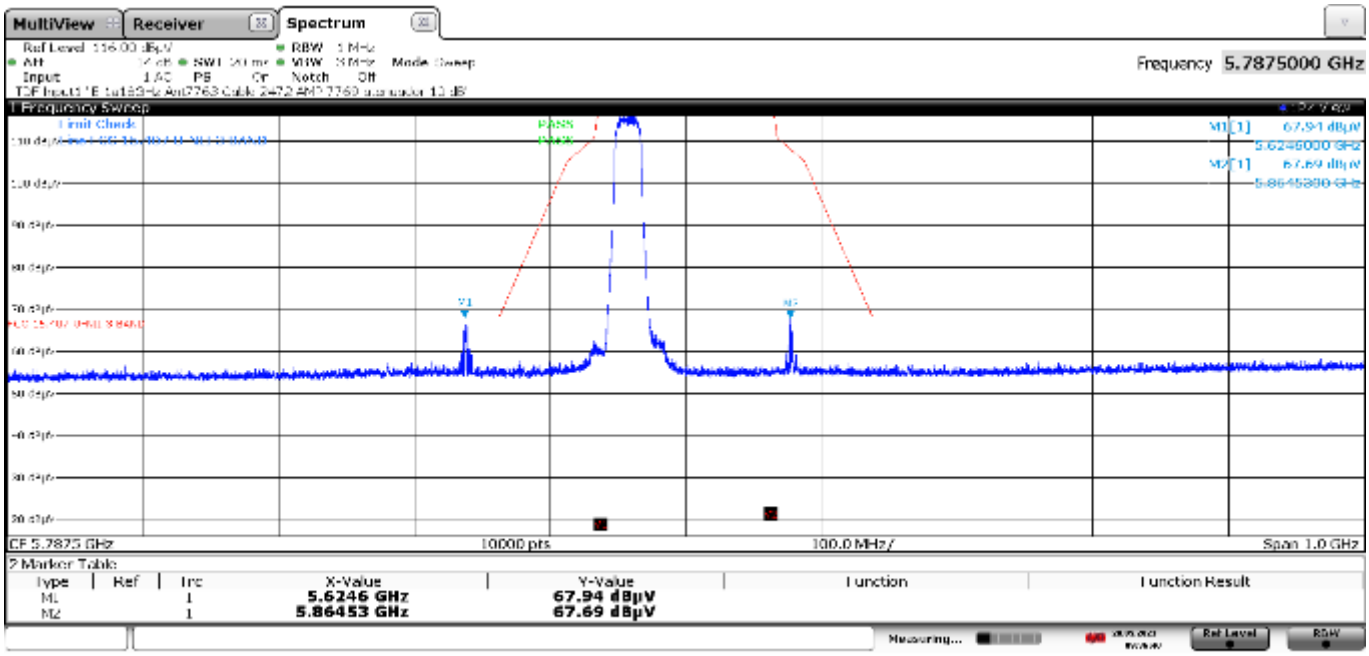


- High Channel:

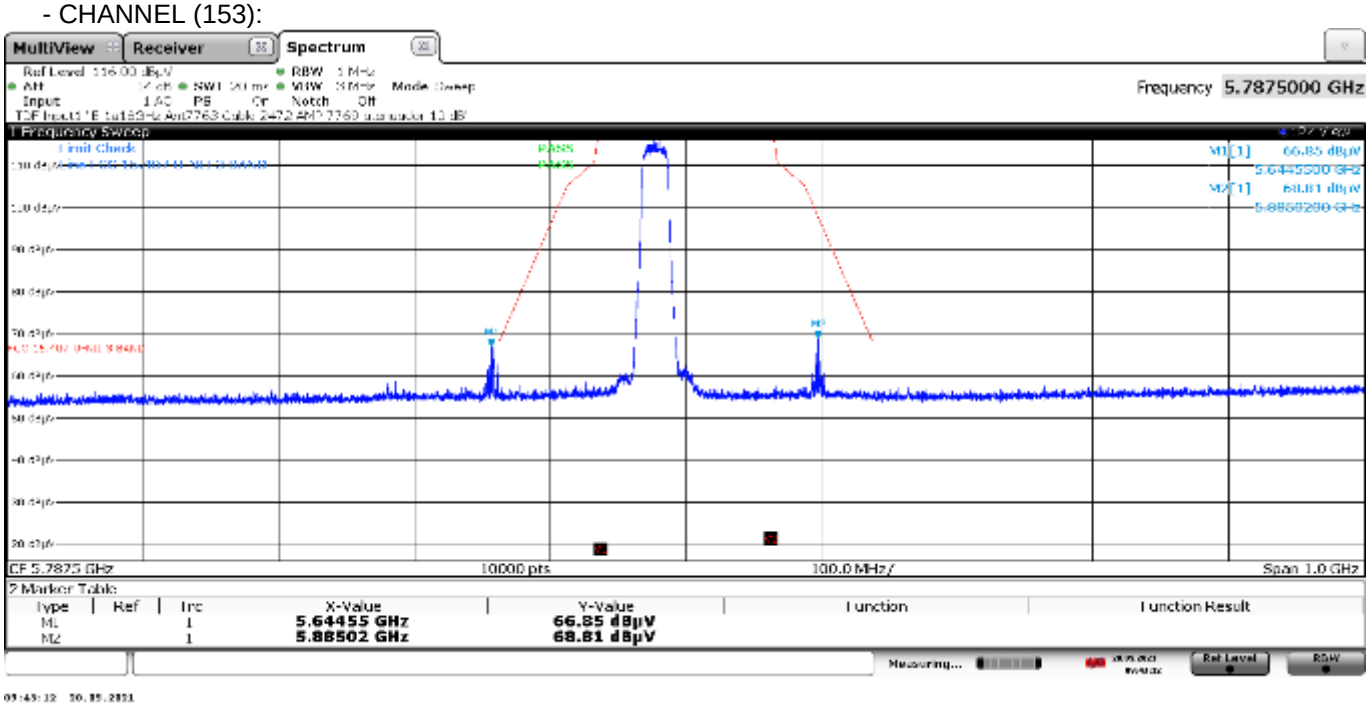


- **SISO 802.11 ax20:**

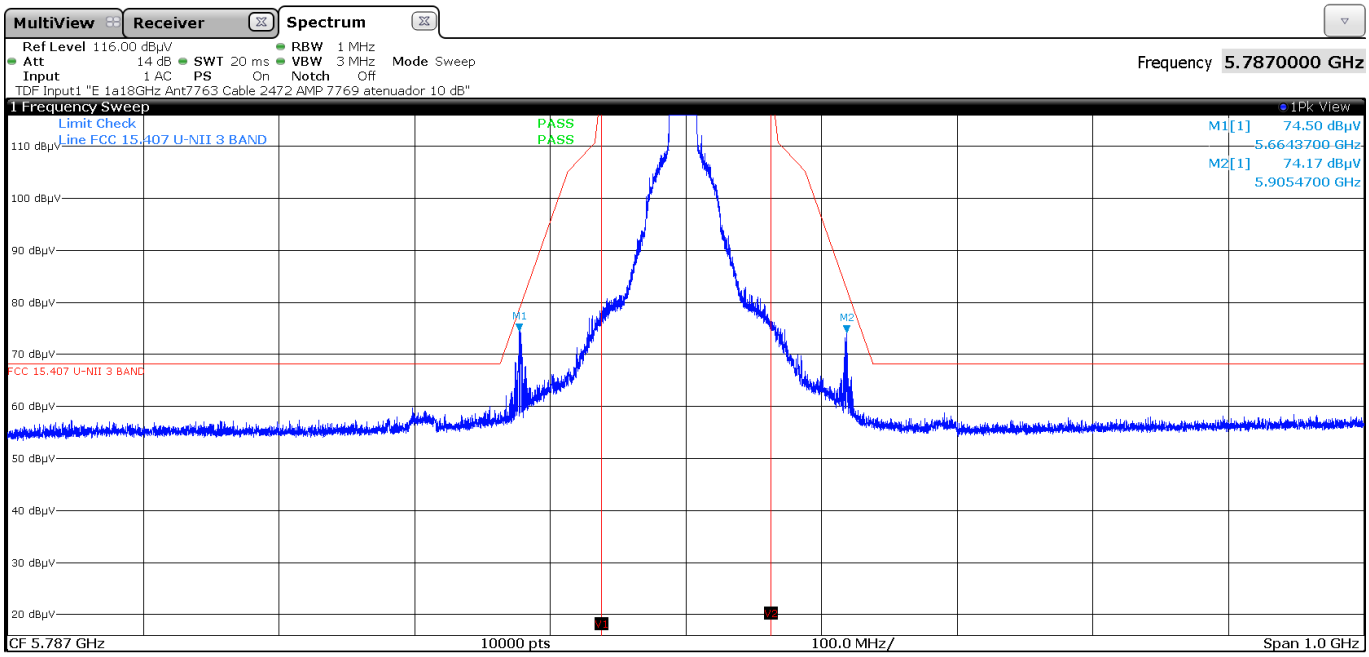
- Low Channel:



- CHANNEL (153):

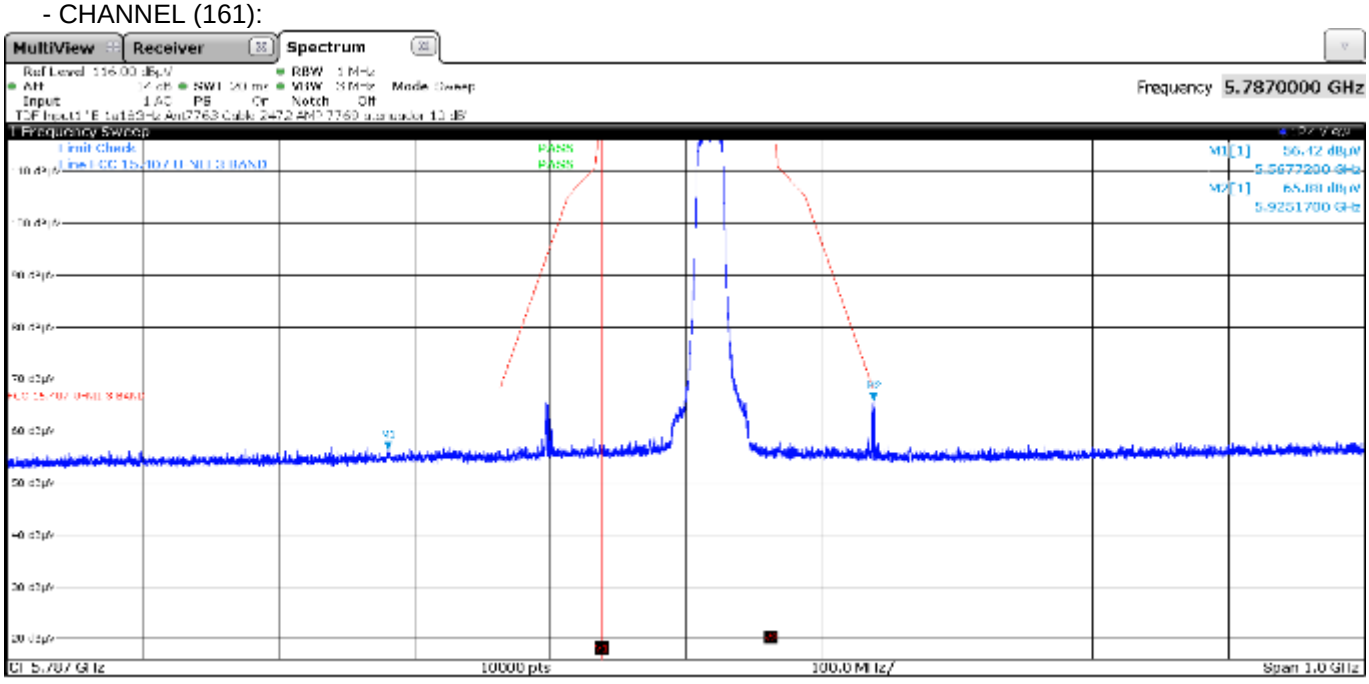


- Middle Channel:



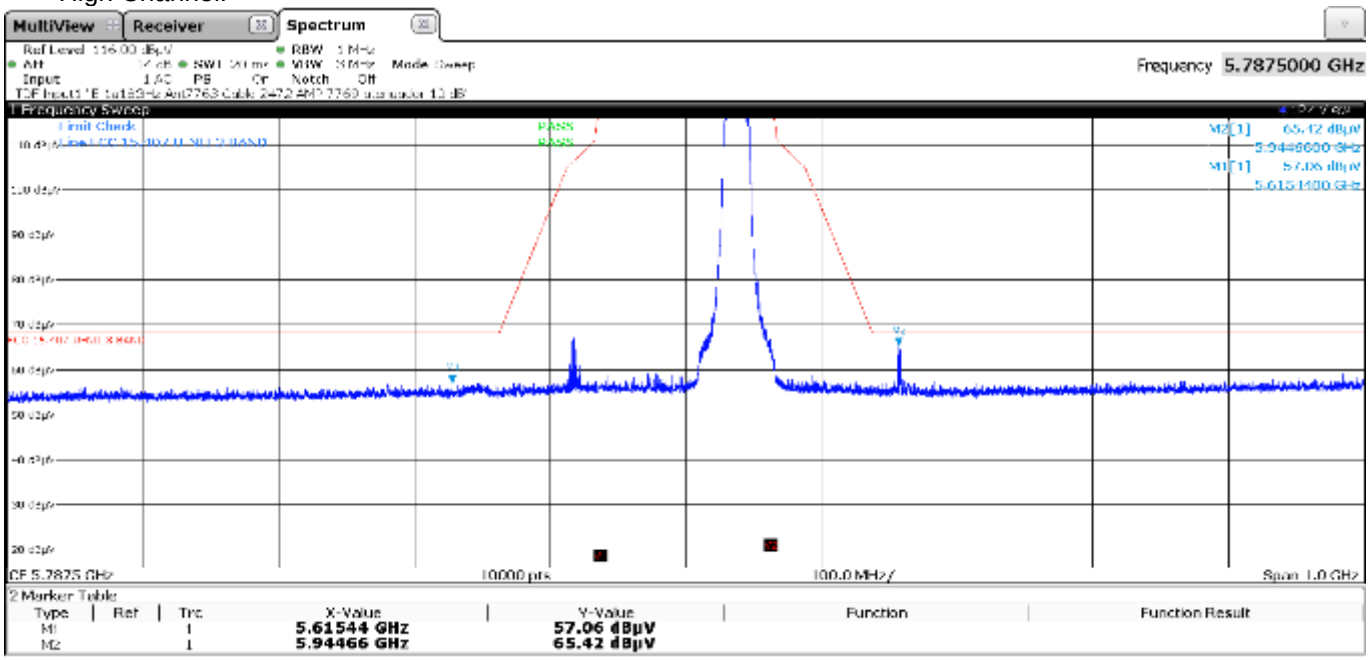
13:41:37 07.06.2021

- CHANNEL (161):



13:40:17 07.06.2021

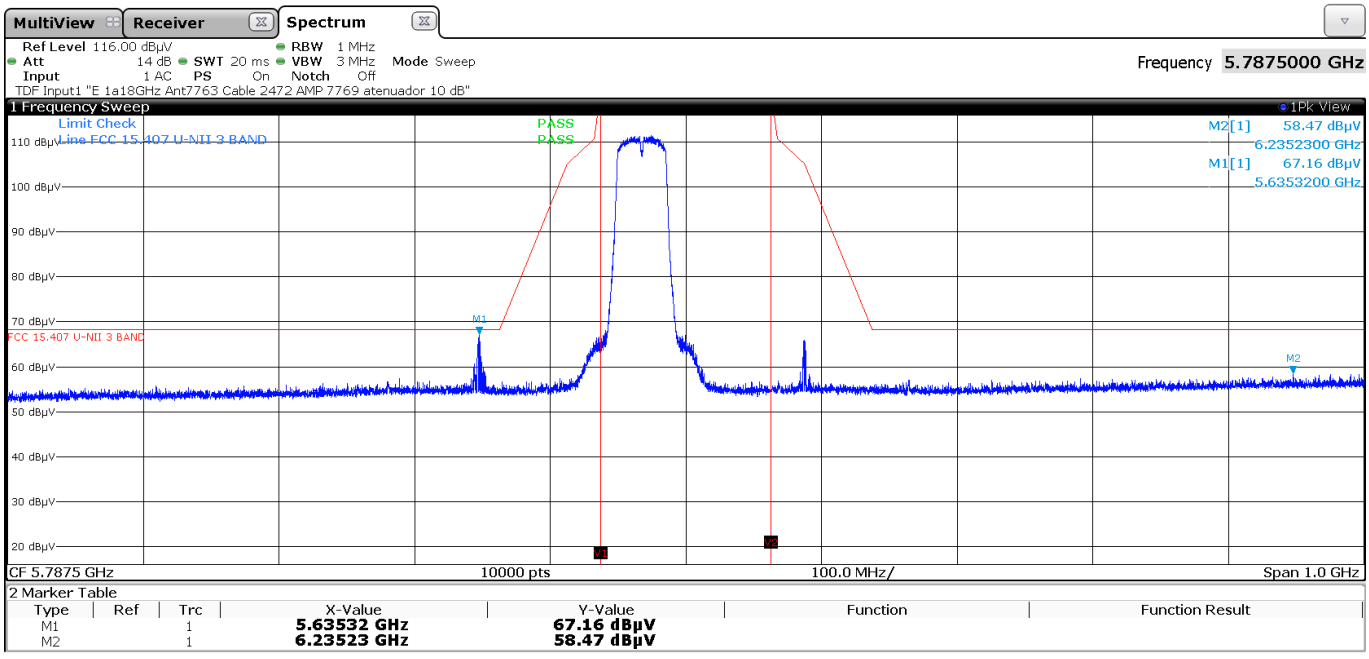
- High Channel:



13:58:35 07.06.2021

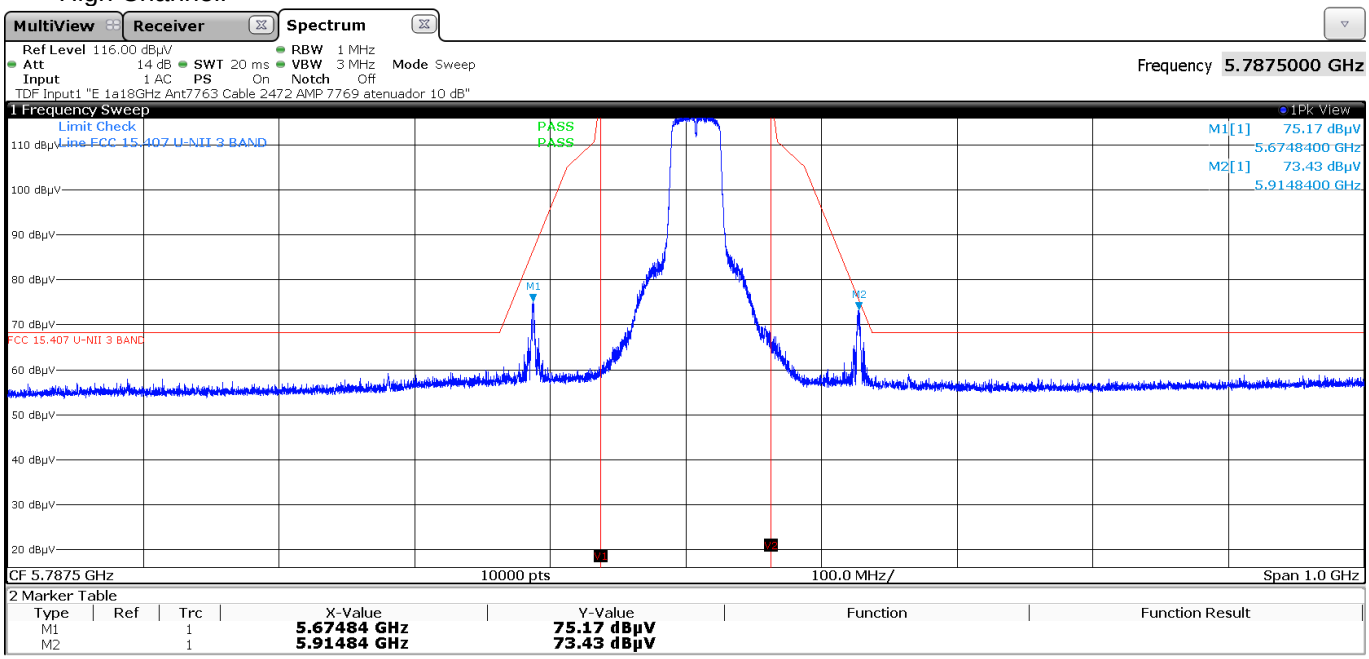
- **SISO 802.11 n40:**

- Low Channel:



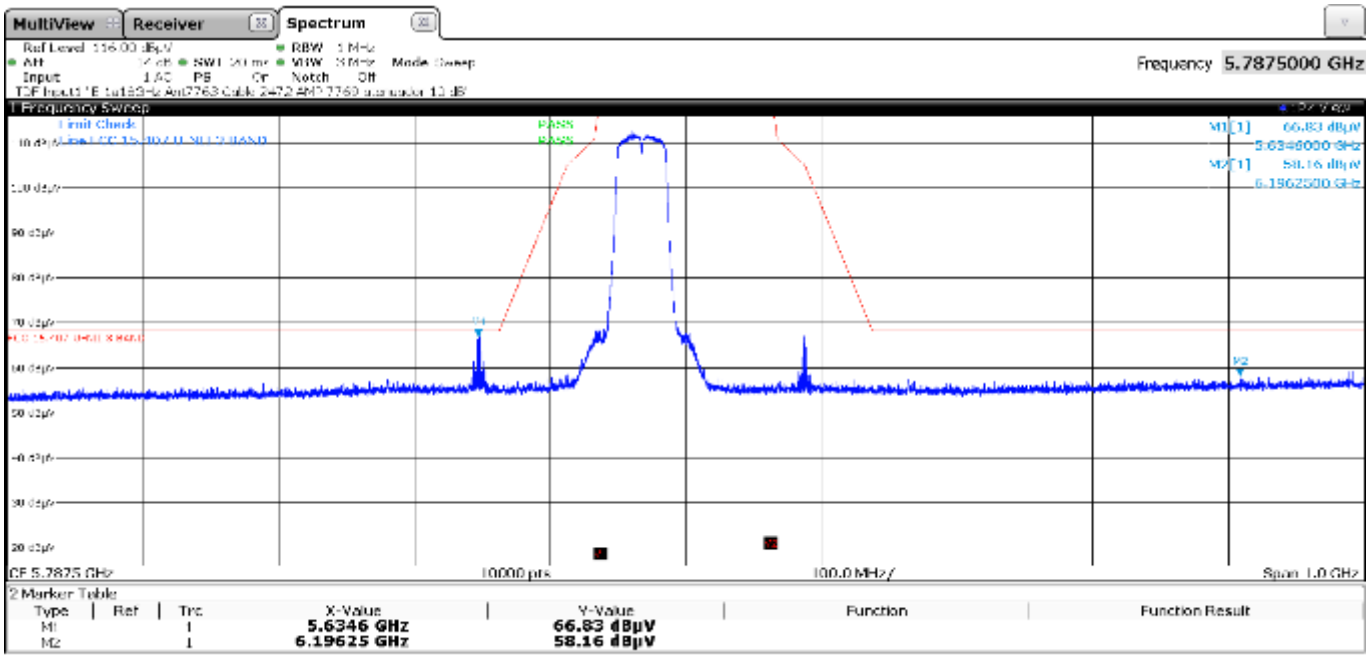
16:44:34 07.06.2021

- High Channel:

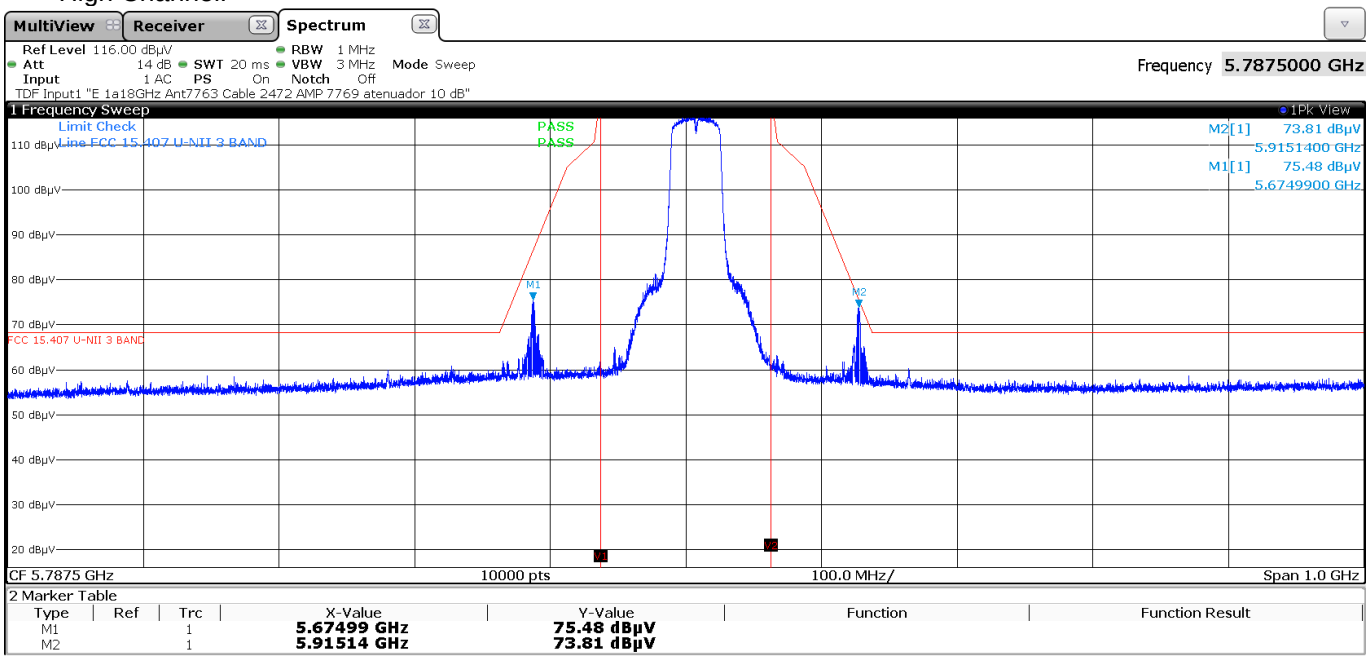


- **SISO 802.11 ac40:**

- Low Channel:



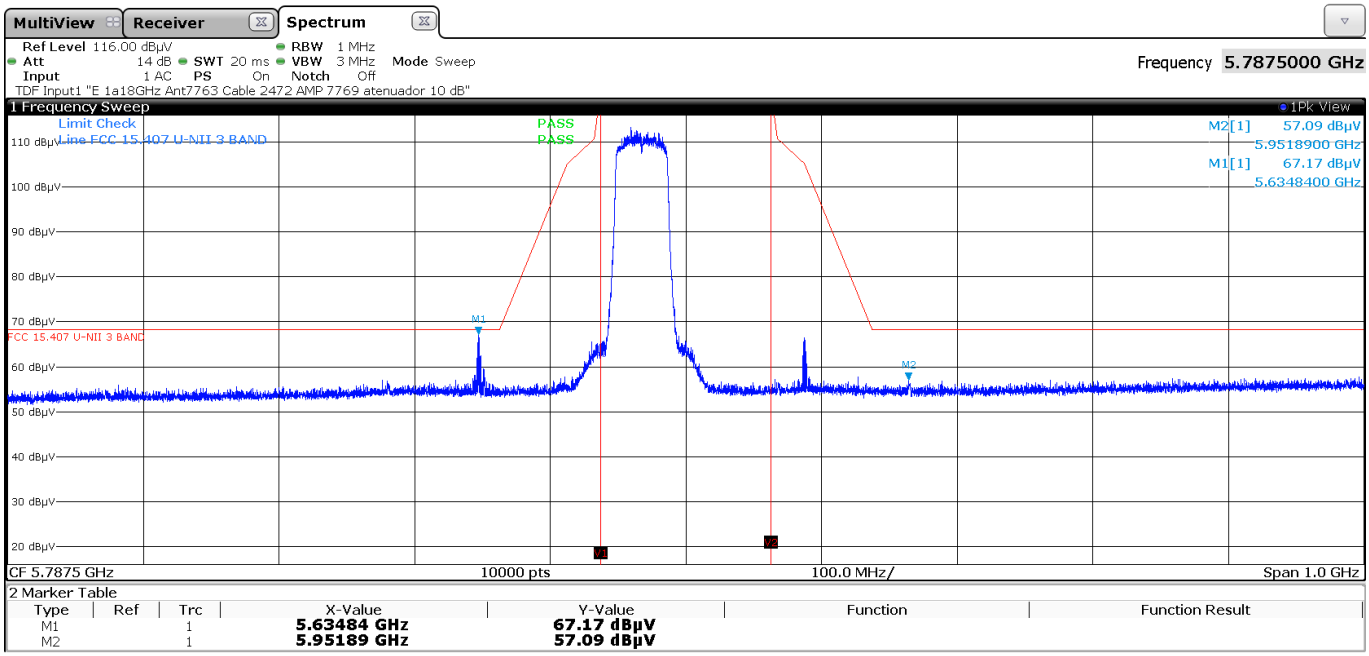
- High Channel:



15:10:55 07.06.2021

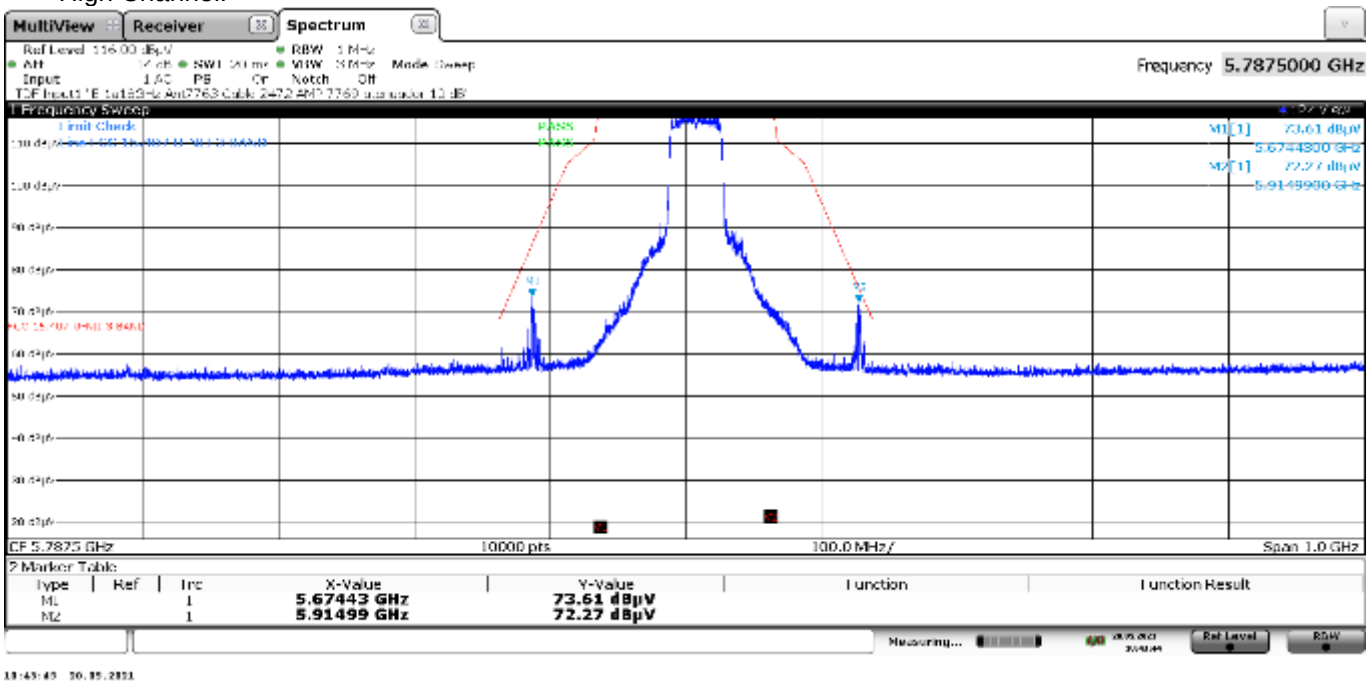
- **SISO 802.11 ax40:**

- Low Channel:



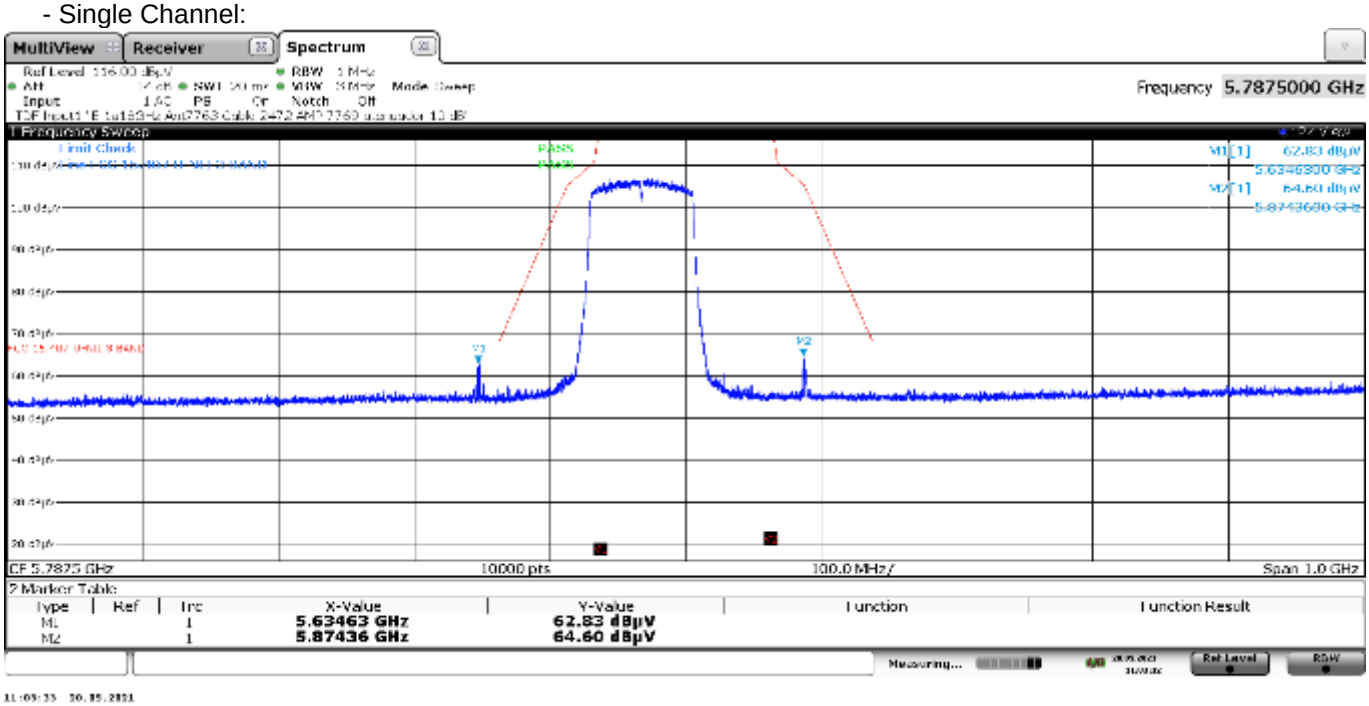
16:24:34 07.06.2021

- High Channel:



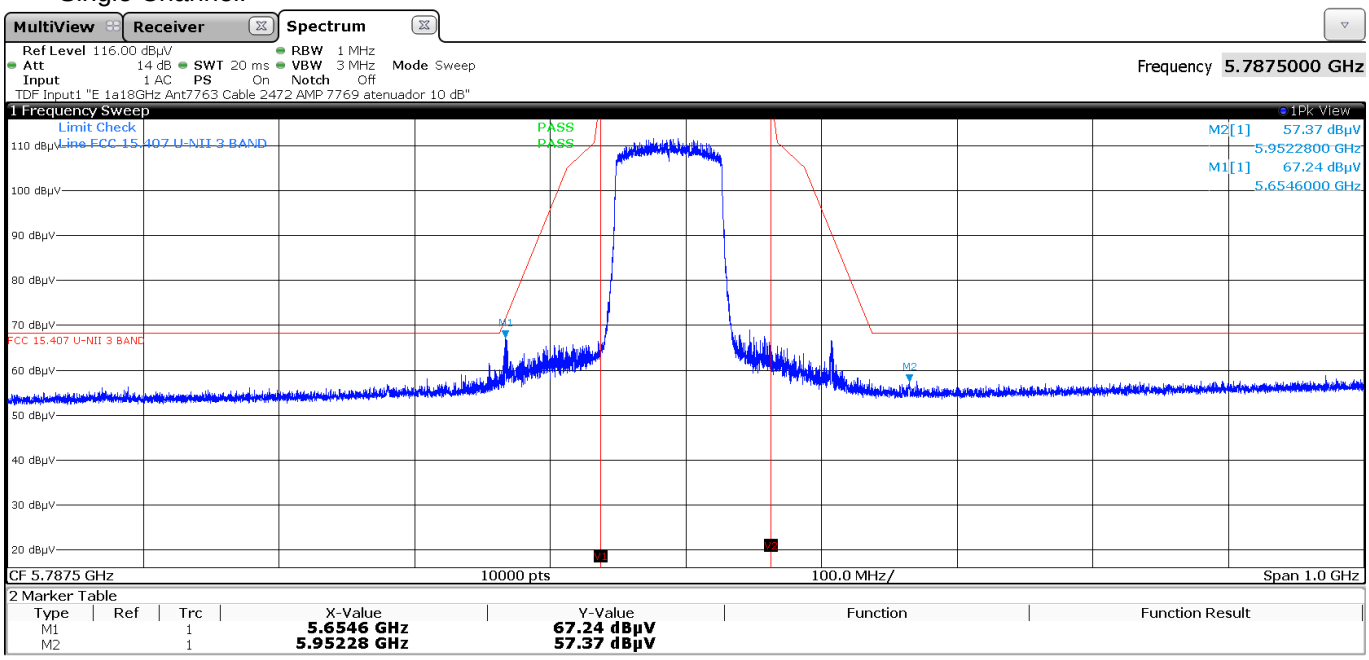
- **SISO 802.11 ac80:**

- Single Channel:



- **SISO 802.11 ax80:**

  - Single Channel:



MIMO worst-case:

- **MIMO 802.11 a20. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- CHANNEL (153):

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.66478	70.28	H	Peak
5.90497	70.65	H	Peak

- CHANNEL (161):

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- **MIMO 802.11 n20. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- CHANNEL (153):

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.66515	66.9	H	Peak
5.90491	66.56	H	Peak

- CHANNEL (161):

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- **MIMO 802.11 ac20. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- CHANNEL (153):

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.66478	67.69	H	Peak
5.90486	67.21	H	Peak

- CHANNEL (161):

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- **MIMO 802.11 ax20. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- CHANNEL (153):

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.66572	69.96	H	Peak
5.90467	69.76	H	Peak

- CHANNEL (161):

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- **MIMO 802.11 n40. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.91448	64.98	H	Peak

- **MIMO 802.11 ac40. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.67499	71.14	H	Peak
5.91511	71.58	H	Peak

- **MIMO 802.11 ax40. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- LOW CHANNEL:

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.67499	70.23	H	Peak
5.91454	69.36	H	Peak

- **MIMO 802.11 ac80. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- SINGLE CHANNEL:

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

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.65464	69.42	H	Peak
5.89512	67.97	H	Peak

- **MIMO 802.11 ax80. Spurious emissions inside of the mask 5.65-5.925 GHz:**

- SINGLE CHANNEL:

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

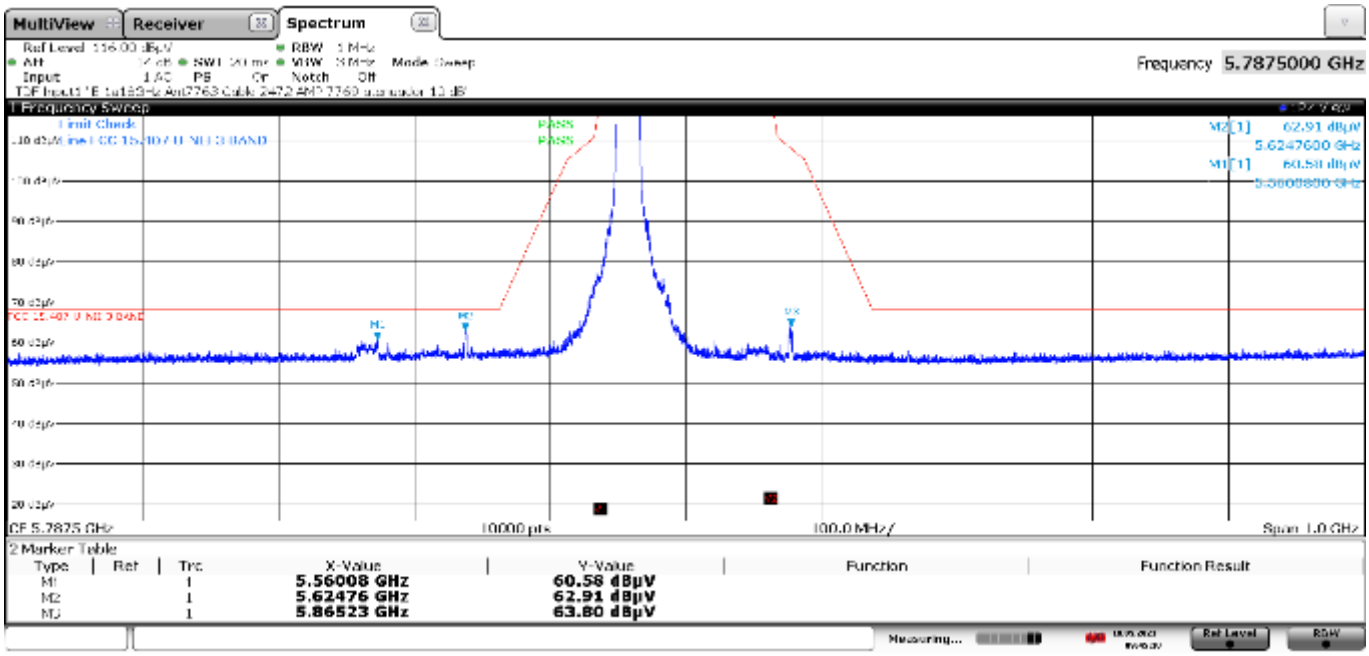
Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5.65524	69.34	H	Peak
5.89482	67.62	H	Peak

Measurement Uncertainly (dB) <± 4.6

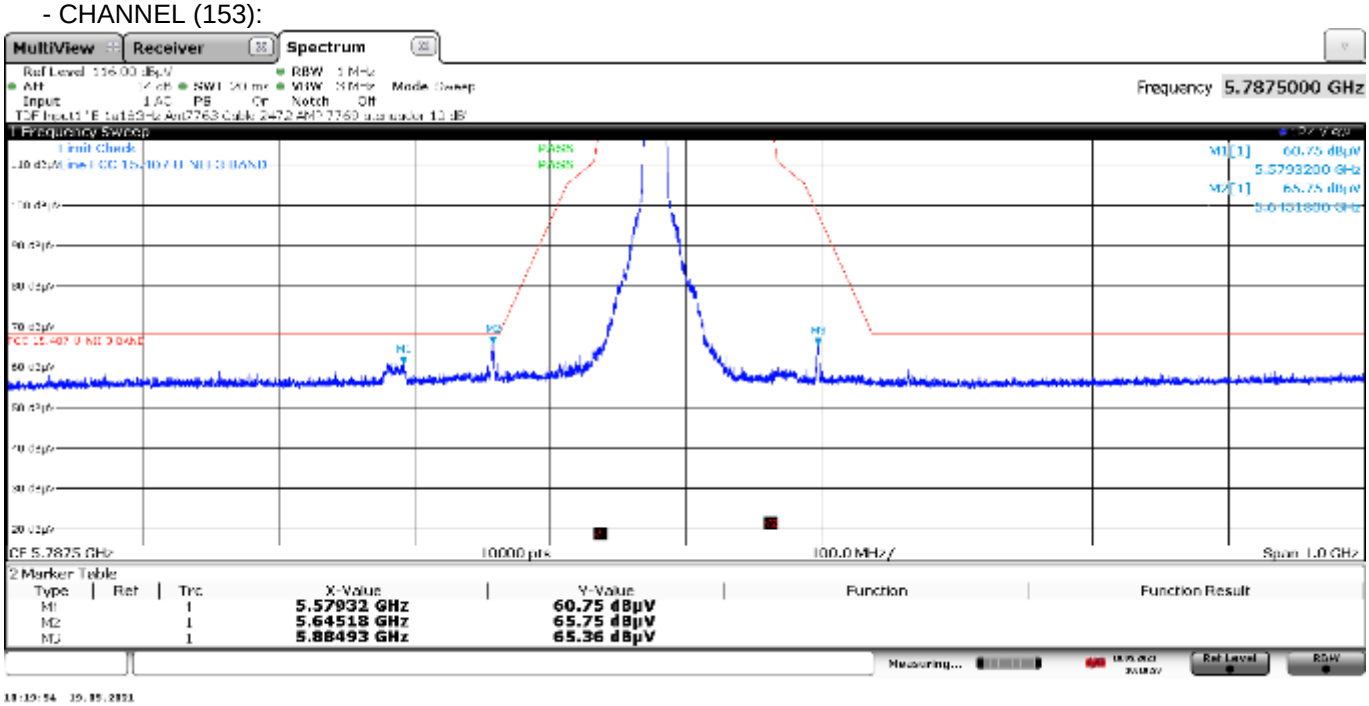
Verdict: PASS

- **MIMO 802.11 a20:**

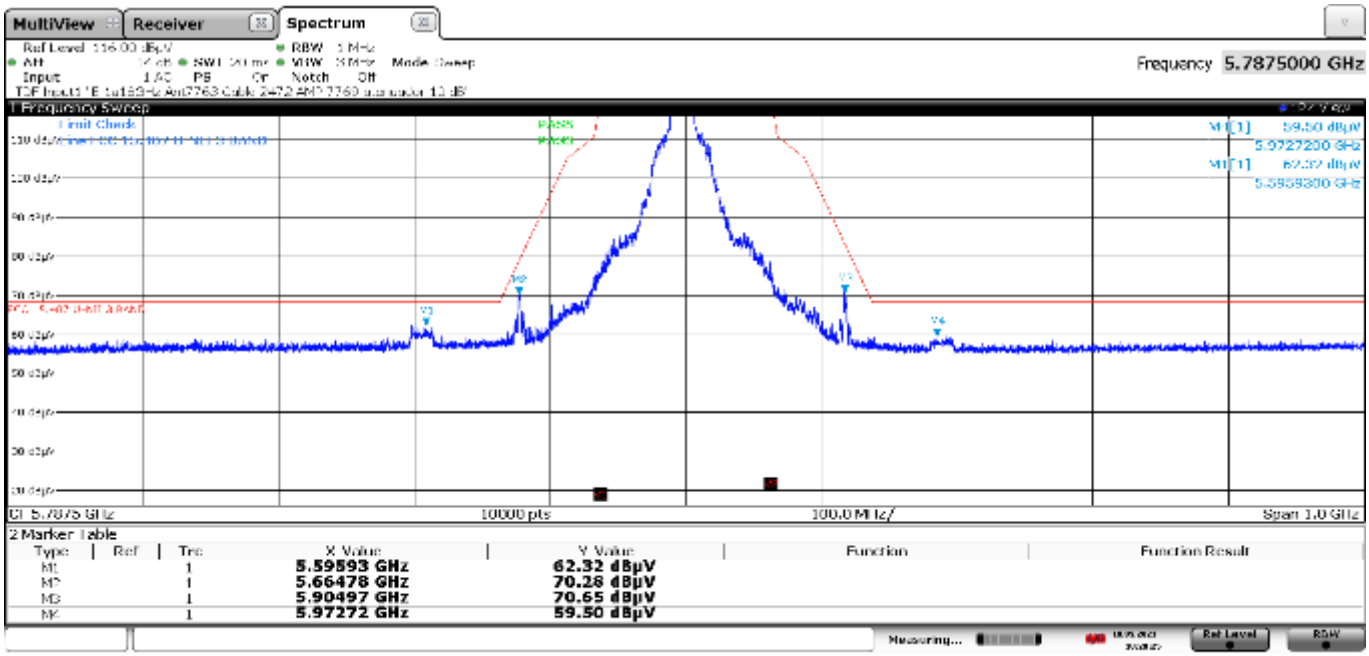
- Low Channel:



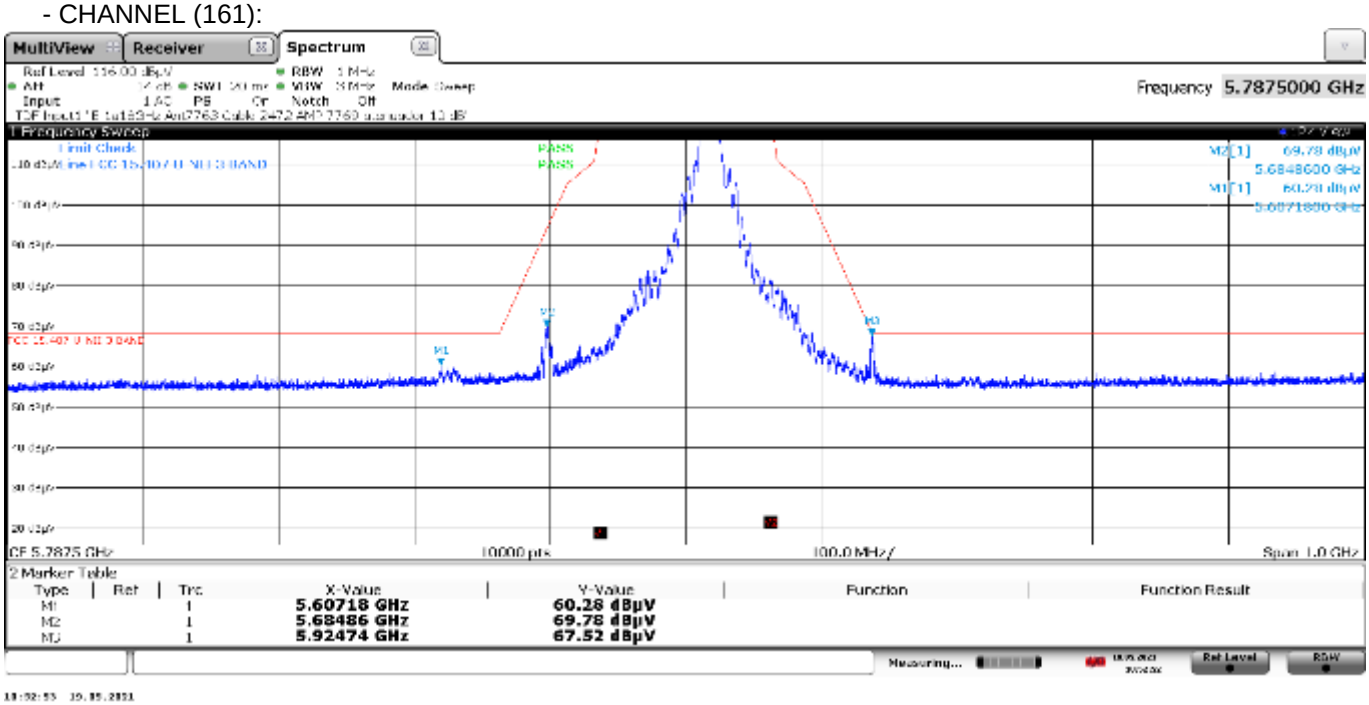
- CHANNEL (153):



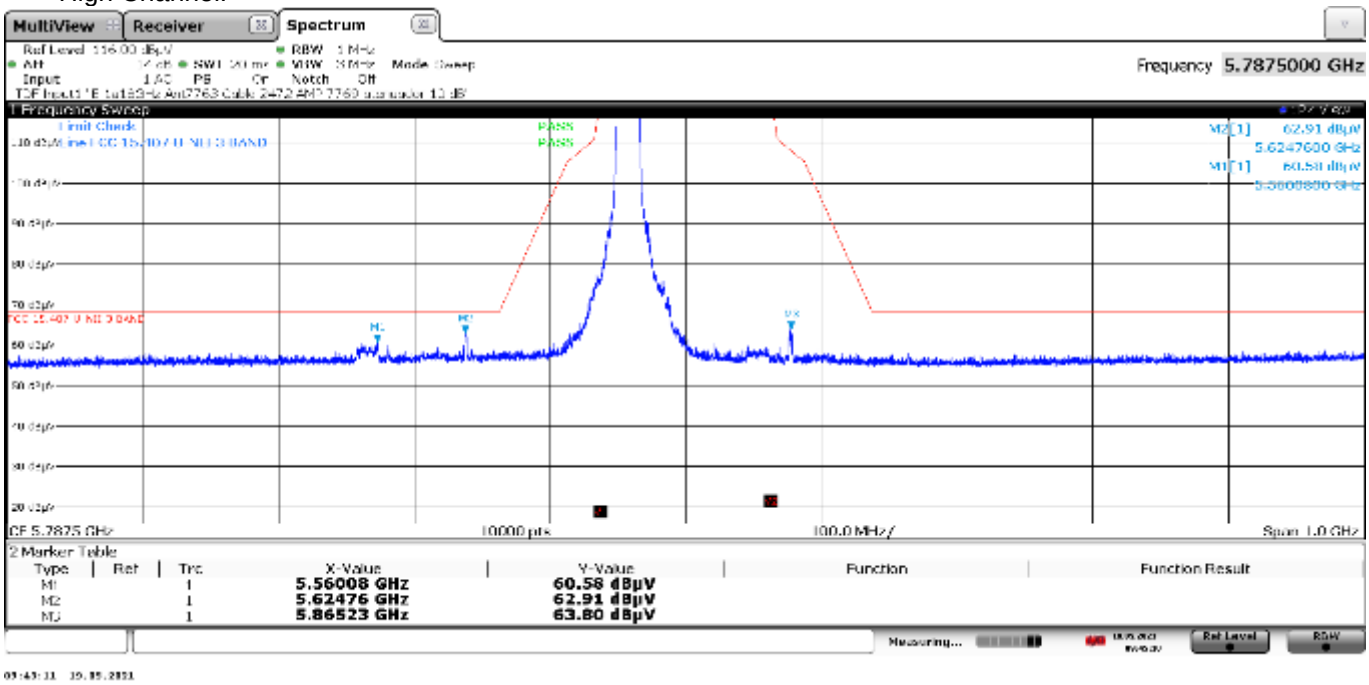
- Middle Channel:



- CHANNEL (161):

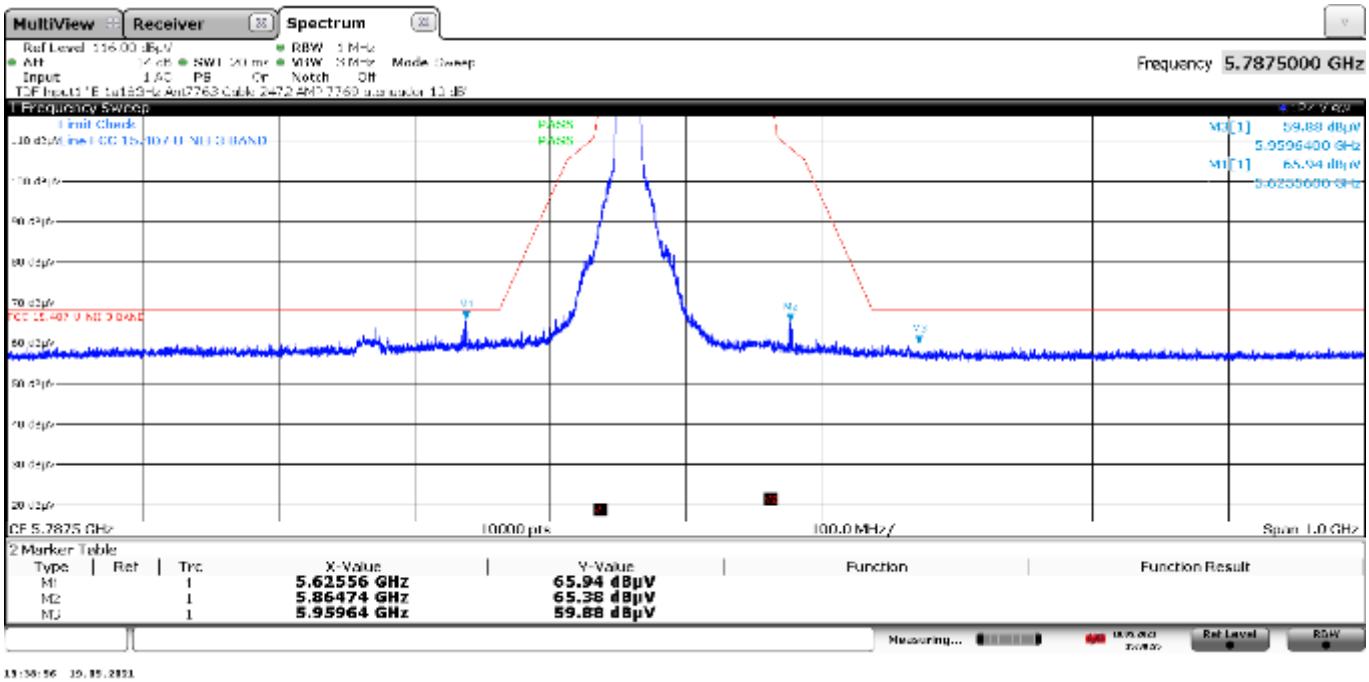


- High Channel:

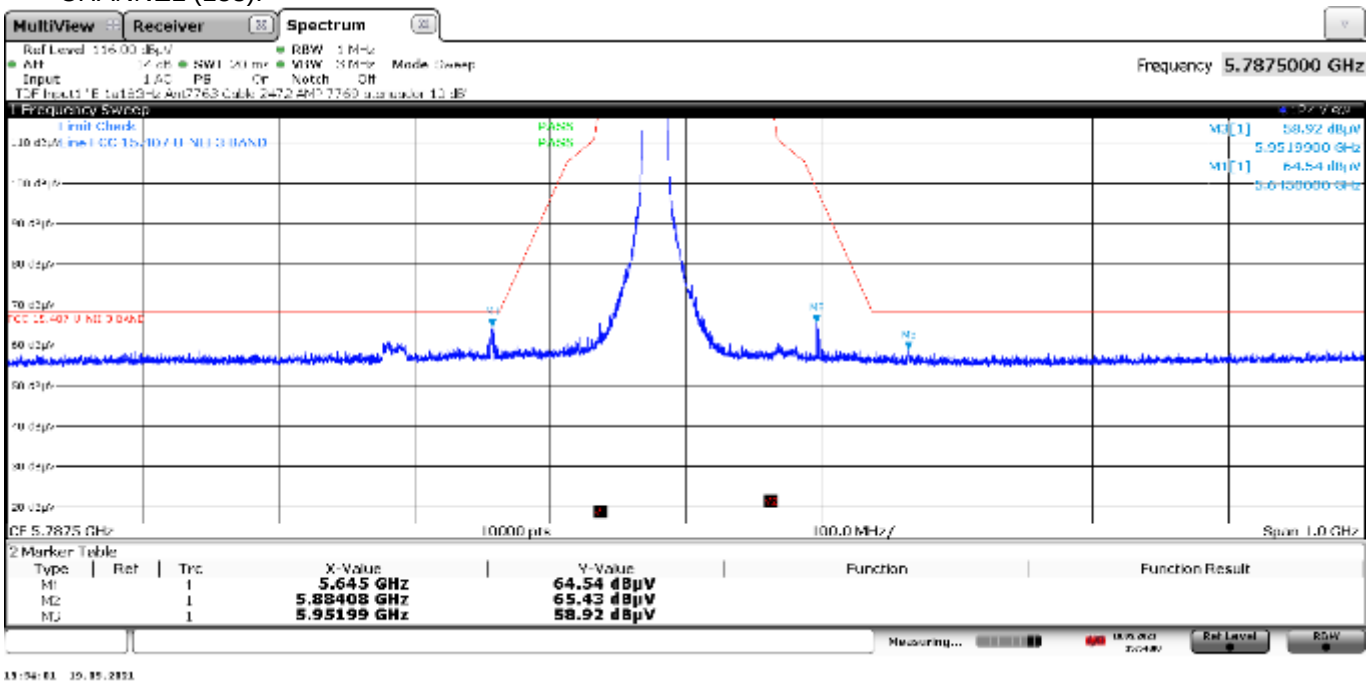


- **MIMO 802.11 n20:**

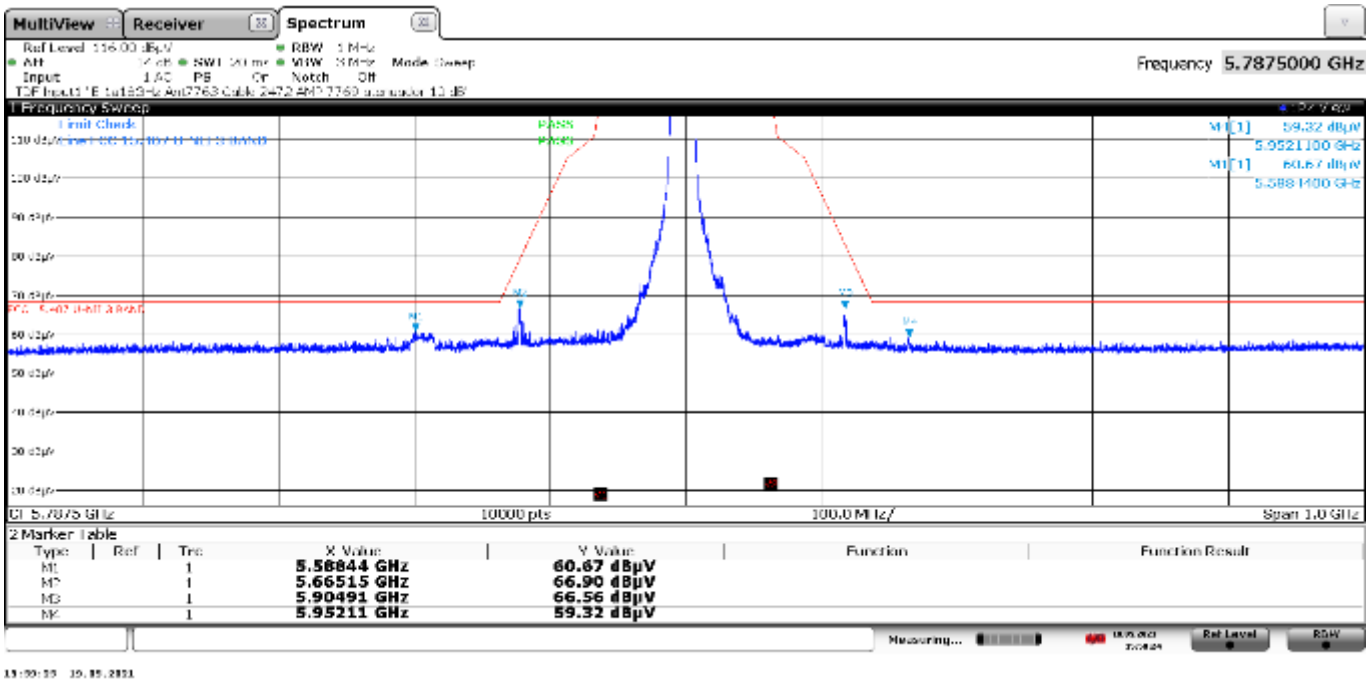
- Low Channel:



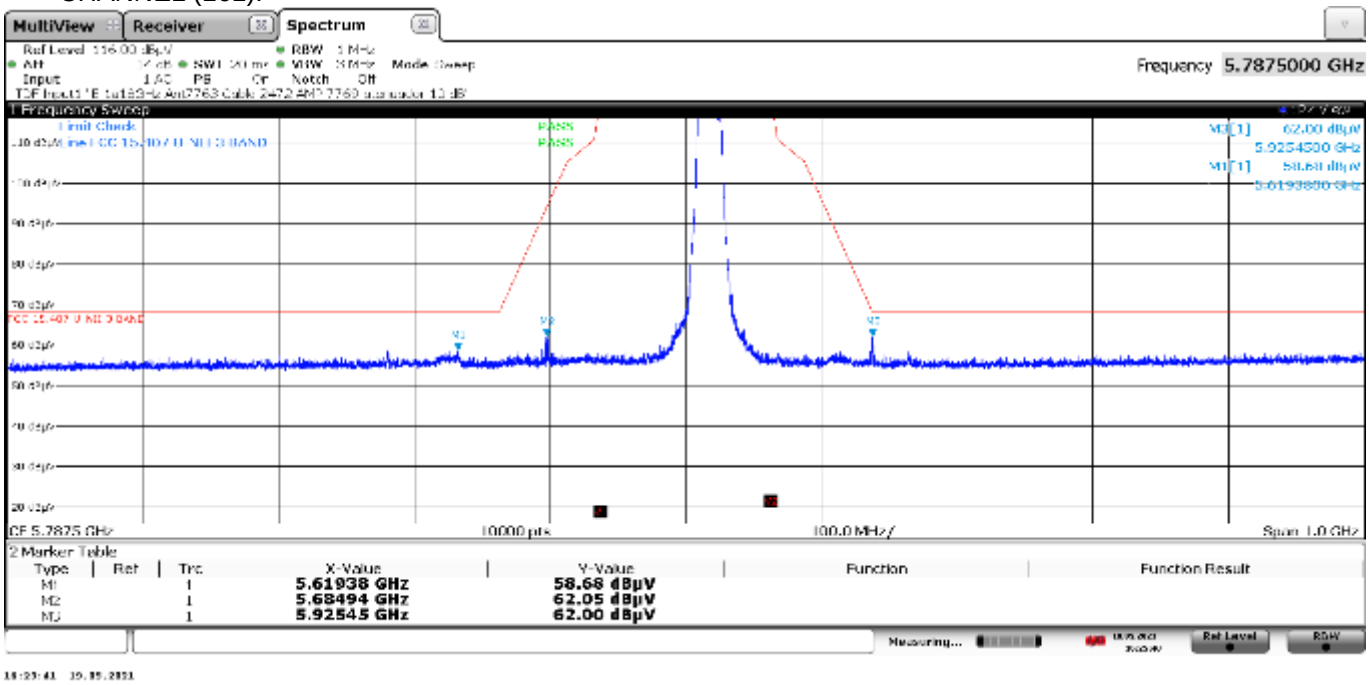
- CHANNEL (153):



- Middle Channel:



- CHANNEL (161):



- High Channel: