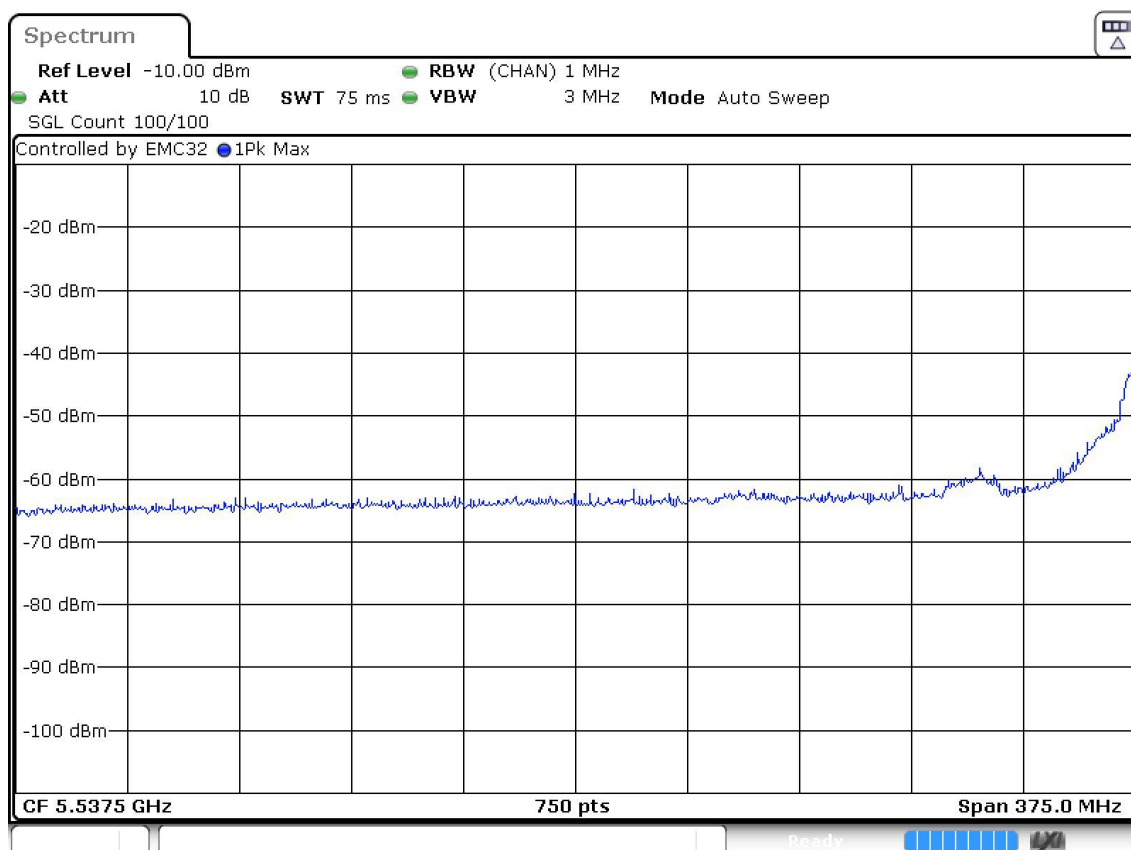
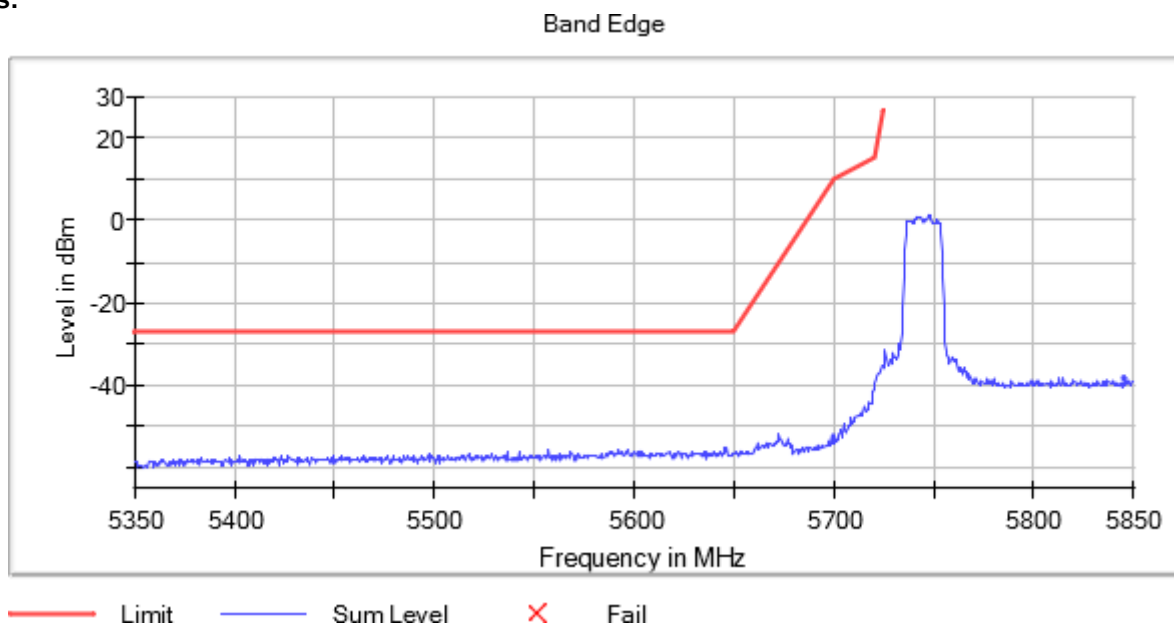
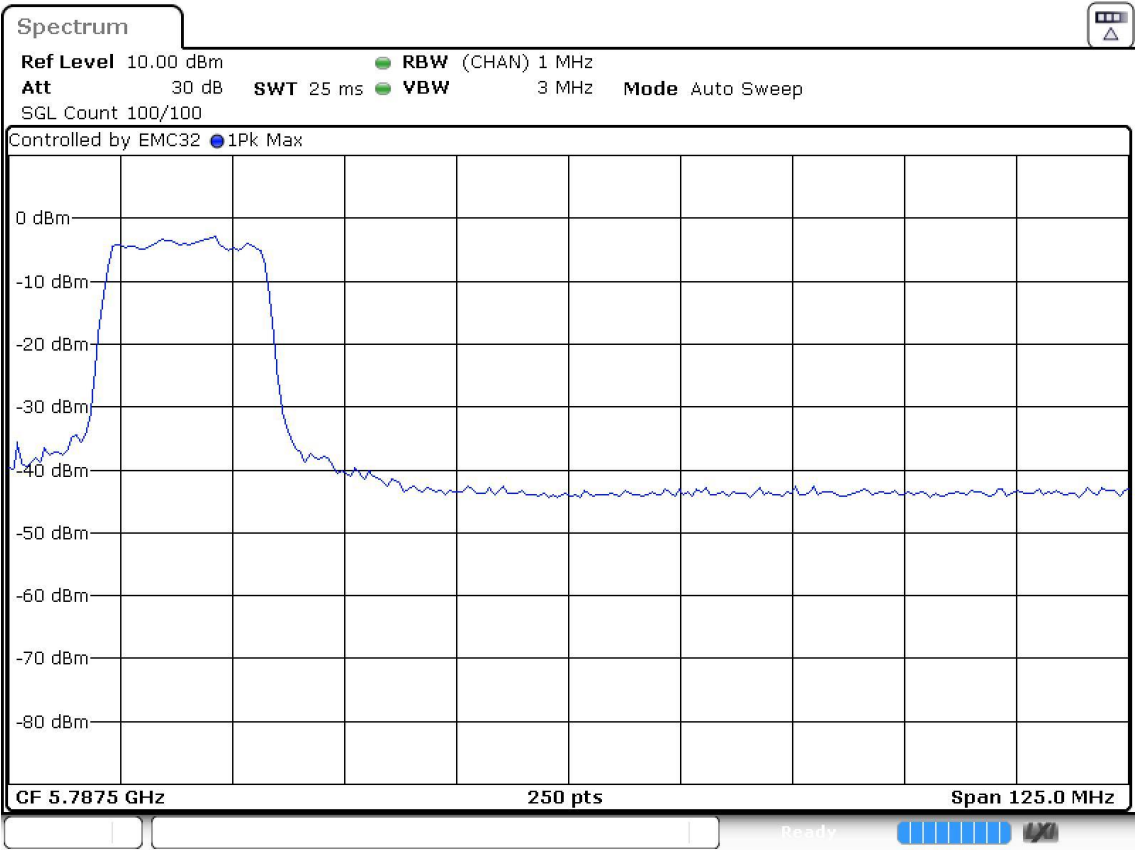
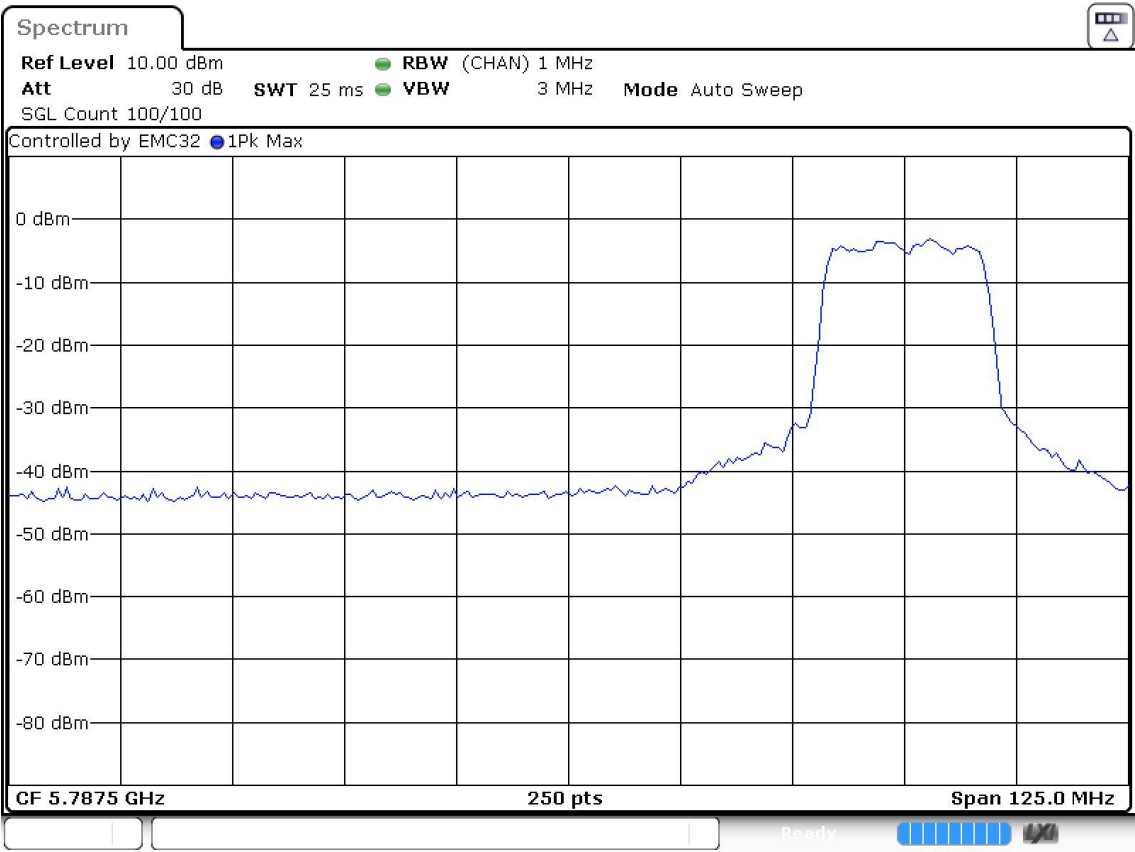
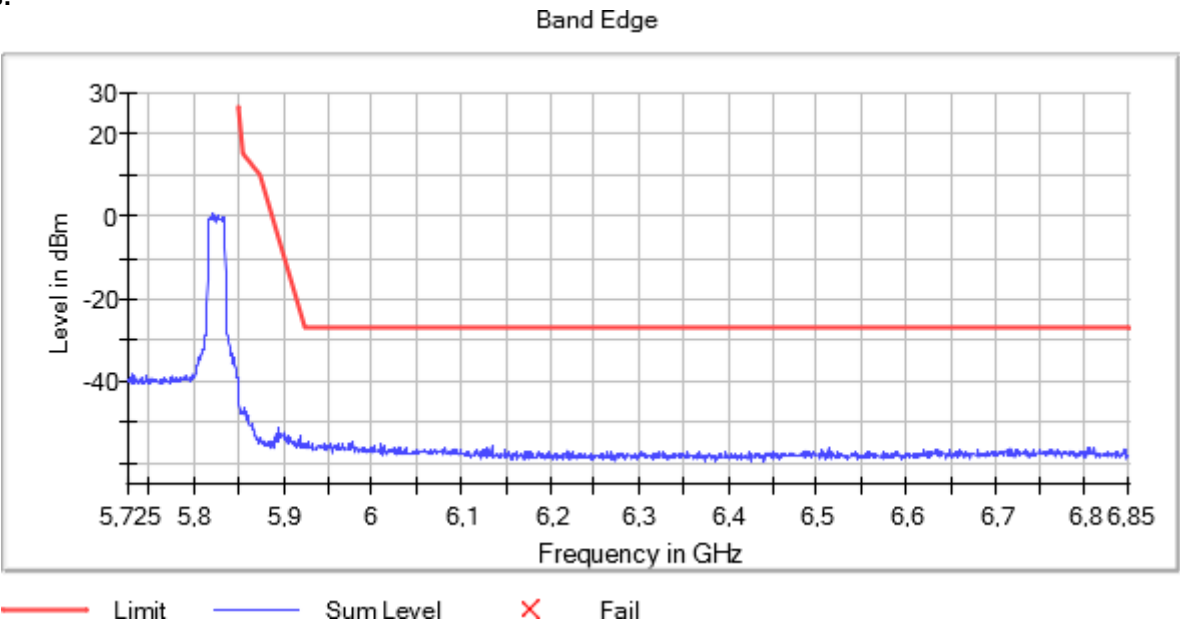


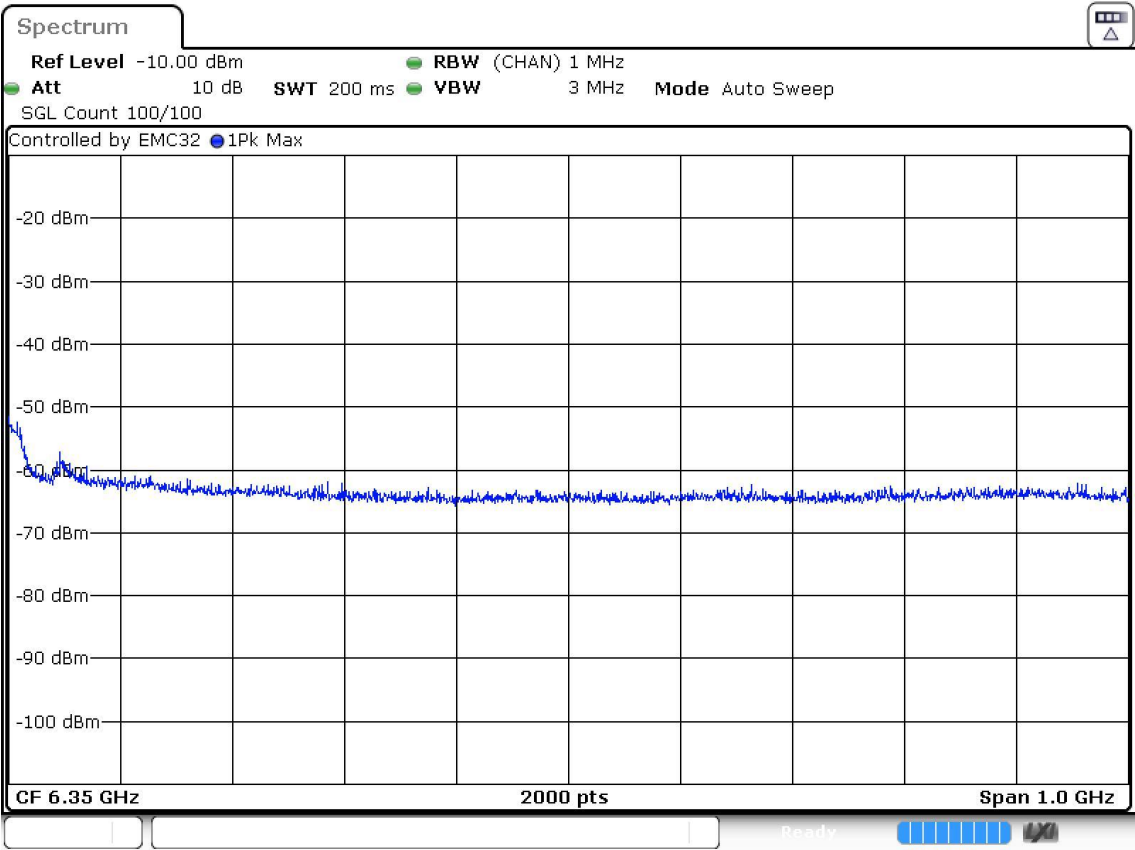




Active Port = 1
Frequency MHz = 5825.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = SISO

Images:





Modulation: 802.11n HT40 (OFDM MCS0)

MIMO Mode: SISO

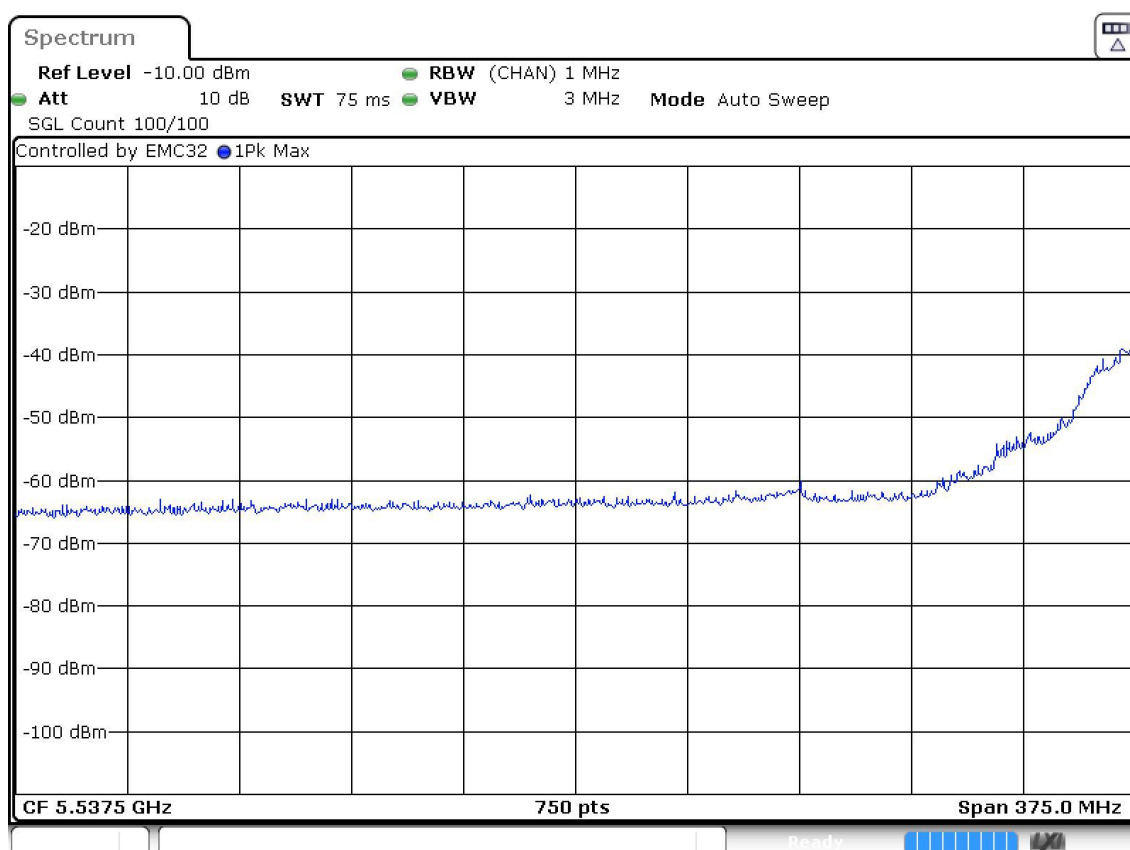
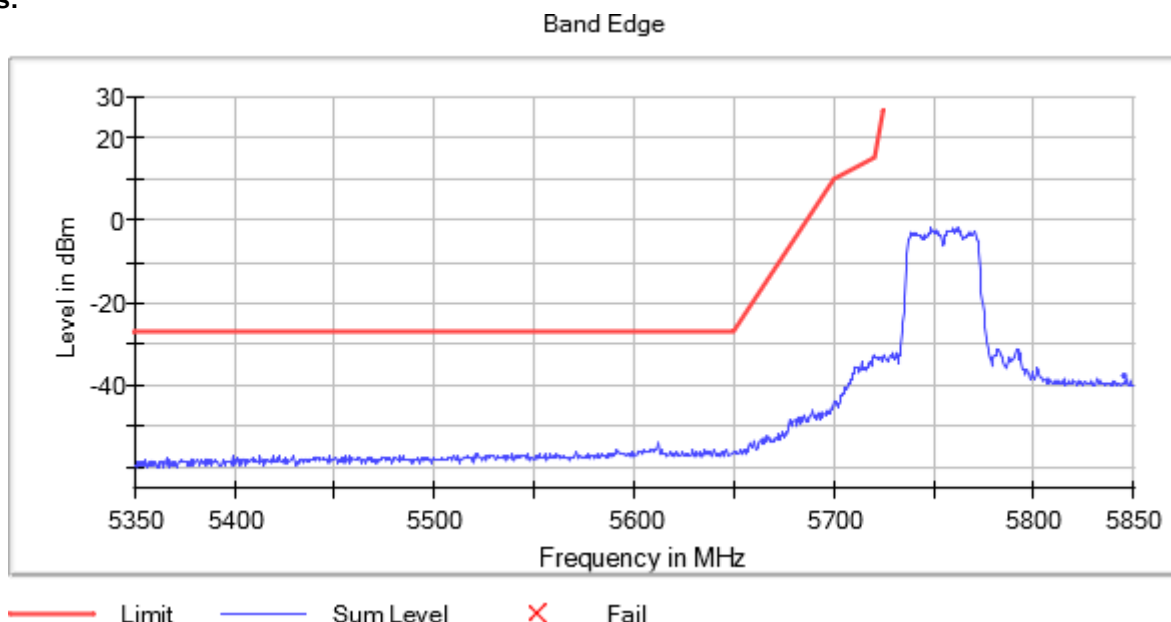
Results

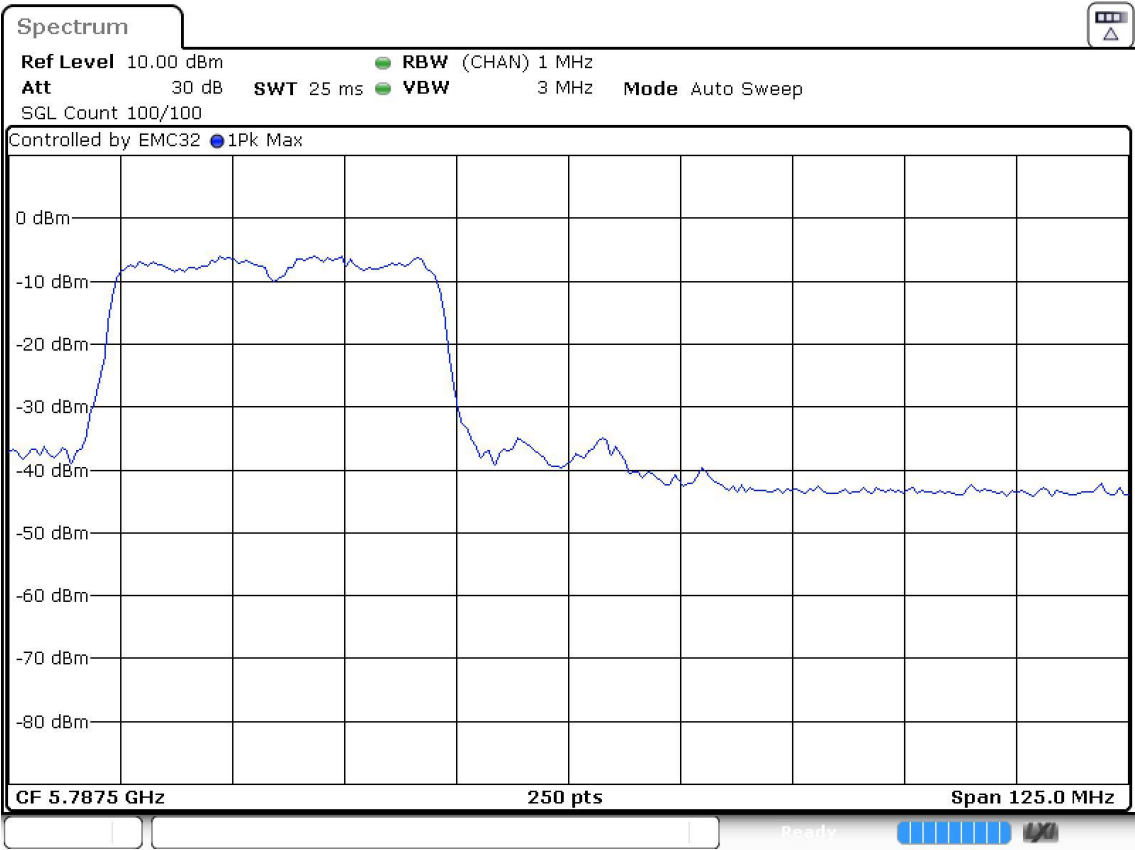
Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
1	5755.00000	5612.750000	-54.0
1	5755.00000	5612.250000	-54.8
1	5755.00000	5611.750000	-55.4
1	5755.00000	5614.250000	-55.4
1	5755.00000	5610.250000	-55.5
1	5755.00000	5611.250000	-55.5
1	5755.00000	5608.750000	-55.6
1	5755.00000	5591.250000	-55.6
1	5755.00000	5609.250000	-55.6
1	5755.00000	5629.750000	-55.6
1	5755.00000	5608.250000	-55.8
1	5755.00000	5635.250000	-55.8
1	5755.00000	5646.750000	-55.8
1	5755.00000	5610.750000	-55.9
1	5755.00000	5604.750000	-55.9
1	5795.00000	5937.750000	-55.2
1	5795.00000	5938.750000	-55.5
1	5795.00000	5939.250000	-55.5
1	5795.00000	5938.250000	-55.7
1	5795.00000	5937.250000	-55.7
1	5795.00000	5939.750000	-55.7
1	5795.00000	5940.250000	-56.1
1	5795.00000	5942.250000	-56.8
1	5795.00000	5940.750000	-56.9
1	5795.00000	5941.750000	-56.9
1	5795.00000	5936.750000	-57.0
1	5795.00000	5941.250000	-57.0
1	5795.00000	5944.750000	-57.4
1	5795.00000	5942.750000	-57.5
1	5795.00000	5943.250000	-57.6

Verdict

Pass

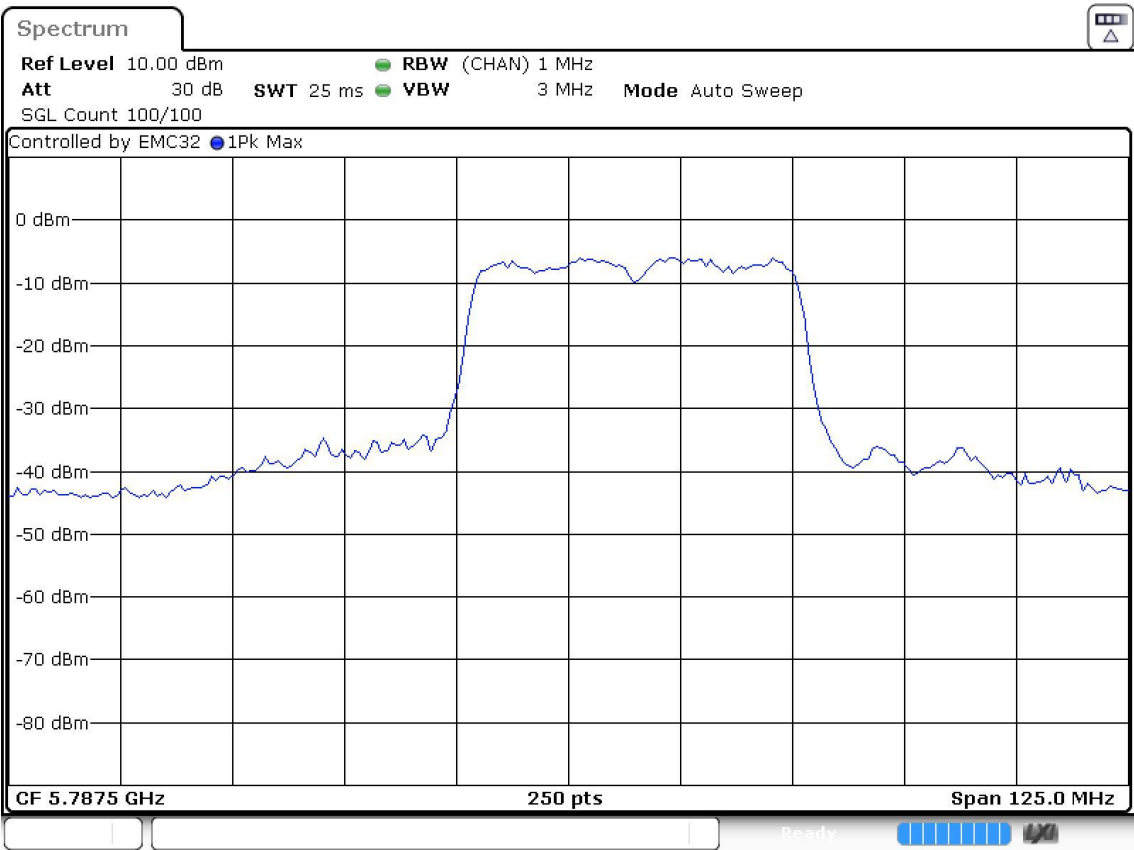
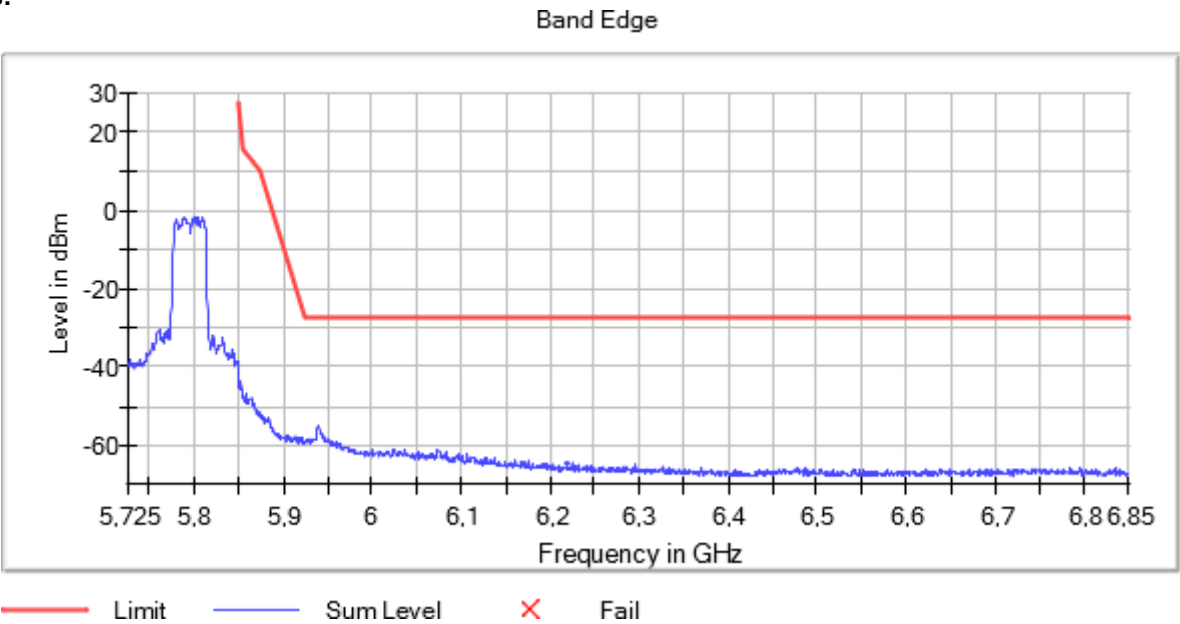
Active Port = 1	Frequency MHz = 5755.00000
Modulation = 802.11n HT40 (OFDM MCS0)	MIMO Mode = SISO

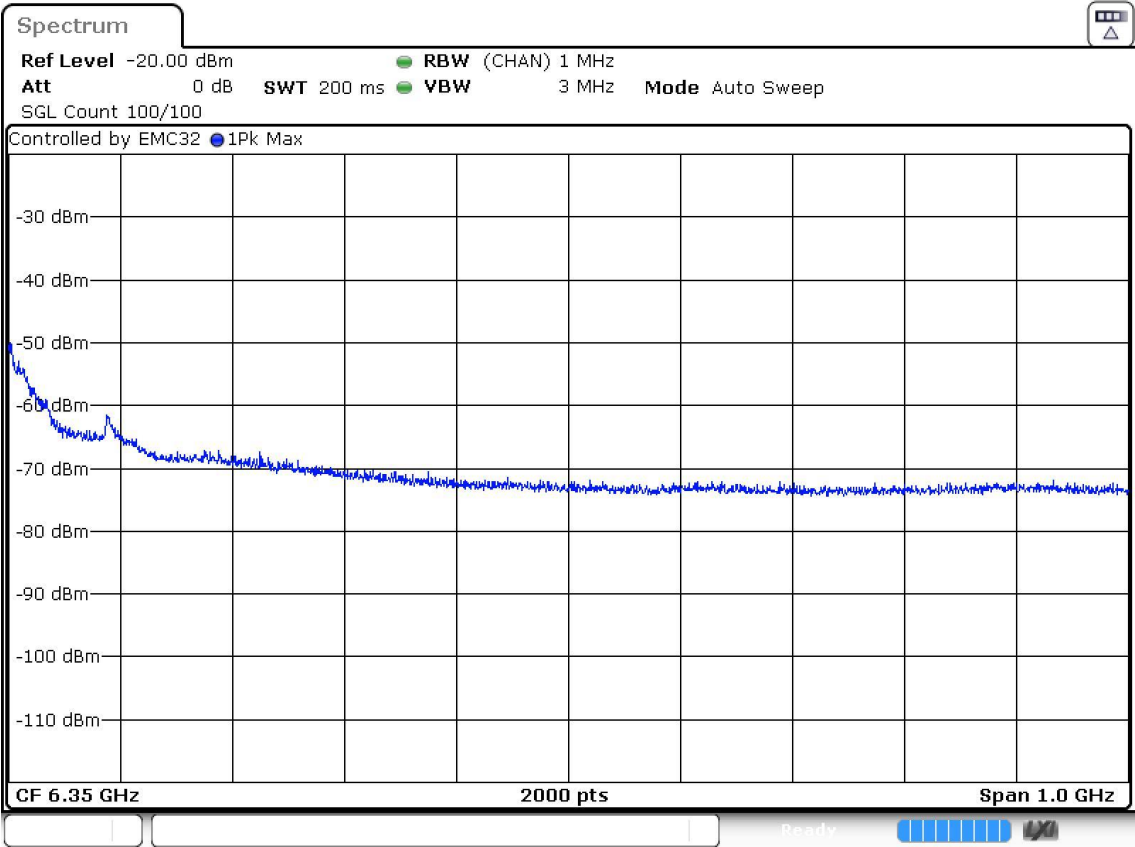




Active Port = 1
Frequency MHz = 5795.00000
Modulation = 802.11n HT40 (OFDM MCS0) MIMO Mode = SISO

Images:





Modulation: 802.11a (OFDM 6 Mbit/s)

MIMO Mode: SISO

Results

Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
1	5745.00000	5619.250000	-55.2
1	5745.00000	5600.750000	-55.8
1	5745.00000	5644.250000	-55.8
1	5745.00000	5633.750000	-55.8
1	5745.00000	5591.250000	-55.9
1	5745.00000	5634.250000	-55.9
1	5745.00000	5643.250000	-56.0
1	5745.00000	5614.250000	-56.0
1	5745.00000	5598.250000	-56.0
1	5745.00000	5639.250000	-56.0
1	5745.00000	5578.250000	-56.0
1	5745.00000	5616.750000	-56.0
1	5745.00000	5610.750000	-56.0
1	5745.00000	5597.750000	-56.1
1	5745.00000	5600.250000	-56.1
1	5825.00000	5938.250000	-58.6
1	5825.00000	5946.250000	-58.8
1	5825.00000	5973.750000	-58.9
1	5825.00000	5957.750000	-59.1
1	5825.00000	5970.750000	-59.2
1	5825.00000	5971.250000	-59.2
1	5825.00000	5950.250000	-59.3
1	5825.00000	5976.250000	-59.3
1	5825.00000	5969.750000	-59.3
1	5825.00000	5974.250000	-59.3
1	5825.00000	5939.750000	-59.3
1	5825.00000	5969.250000	-59.4
1	5825.00000	5972.750000	-59.4
1	5825.00000	5931.750000	-59.4
1	5825.00000	5979.250000	-59.4

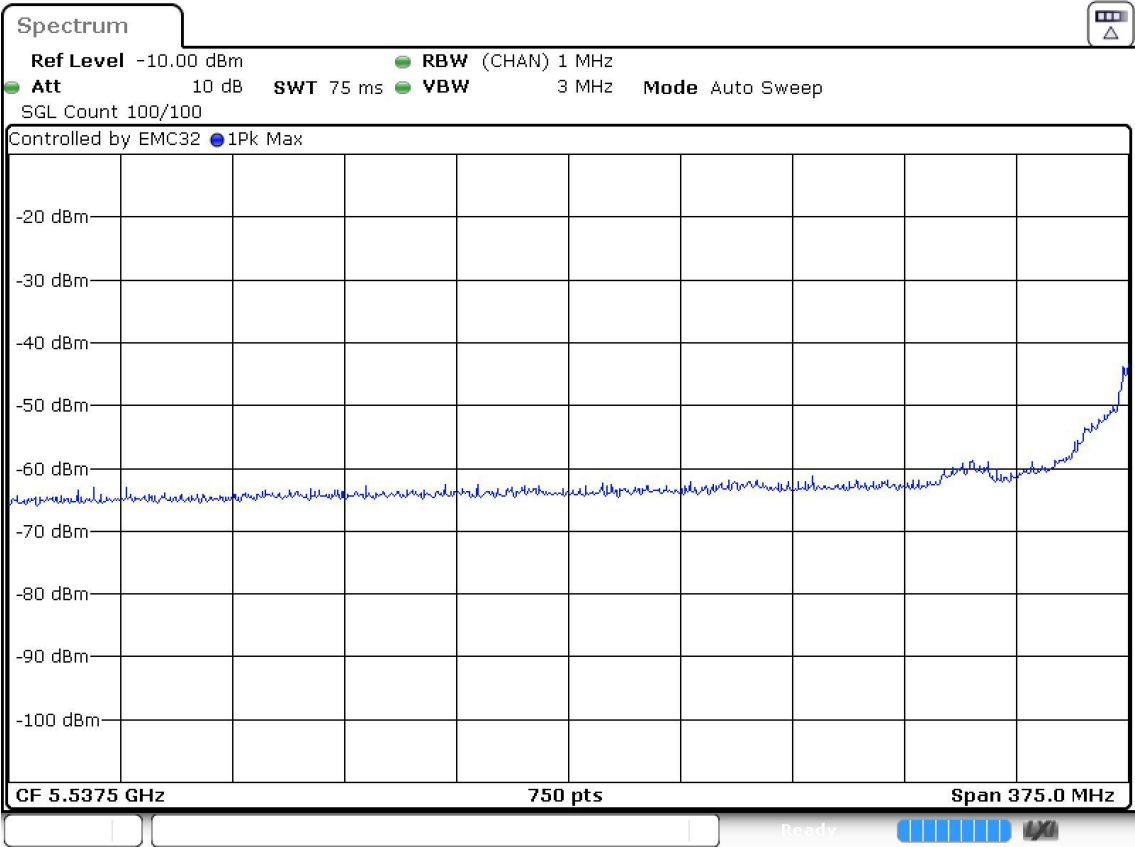
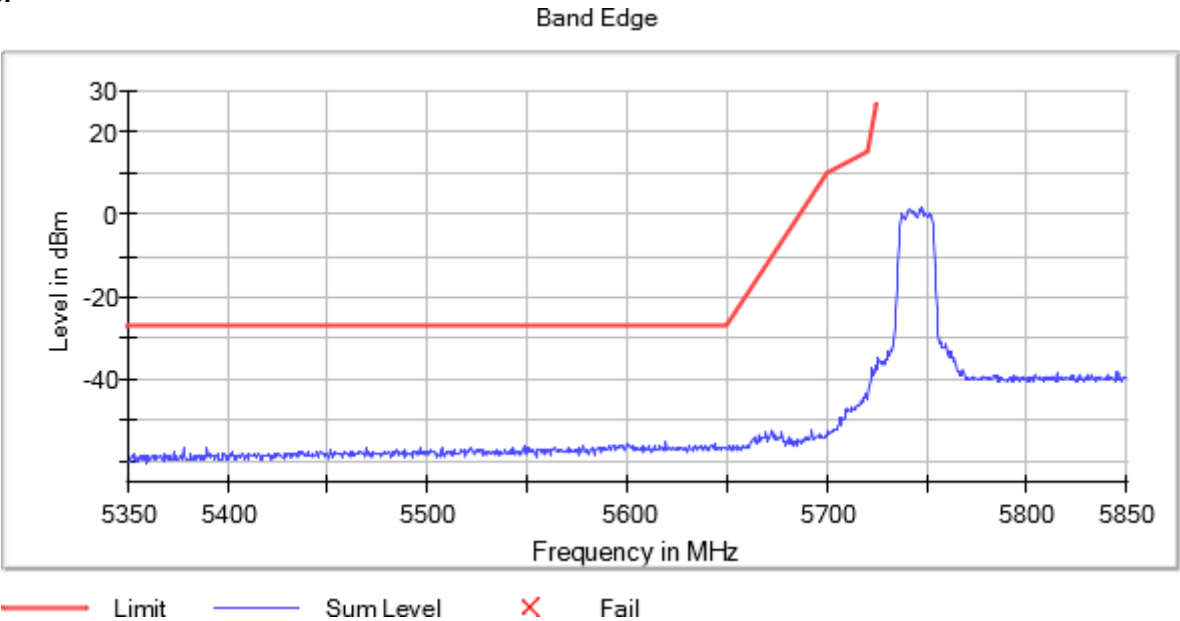
Verdict

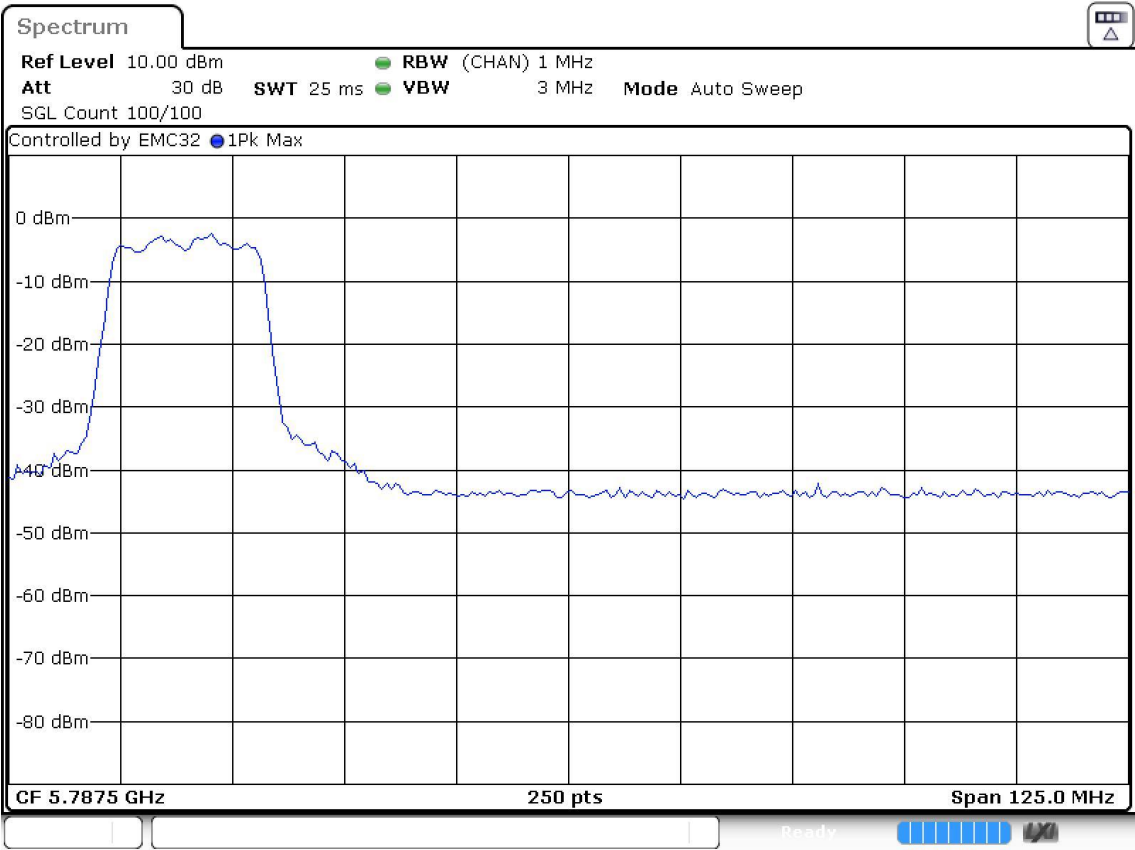
Pass

Attachments

Active Port = 1 Frequency MHz = 5745.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

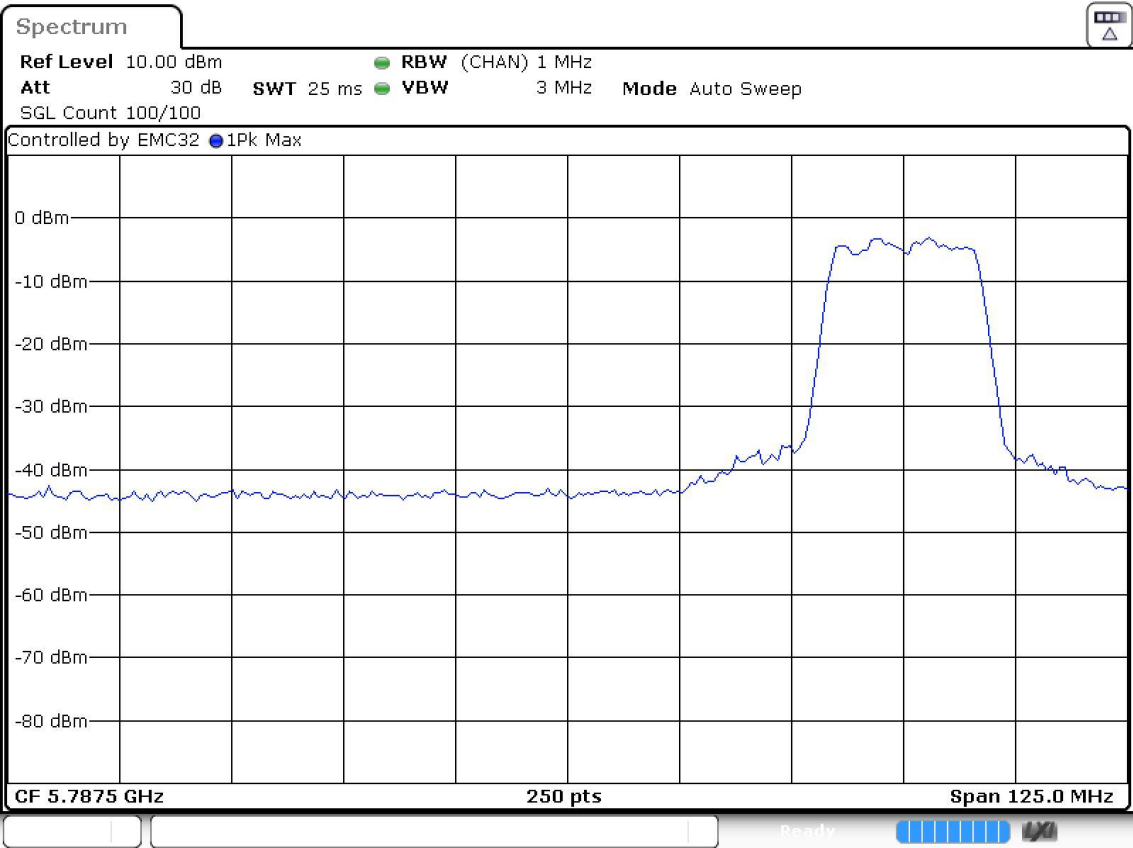
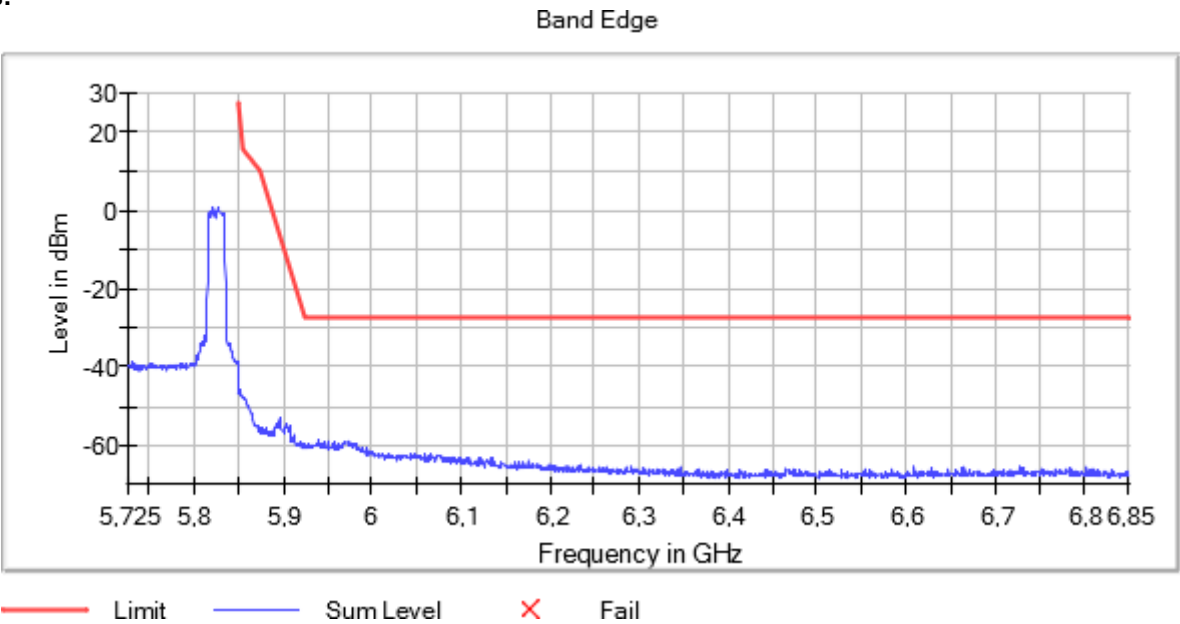
Images:

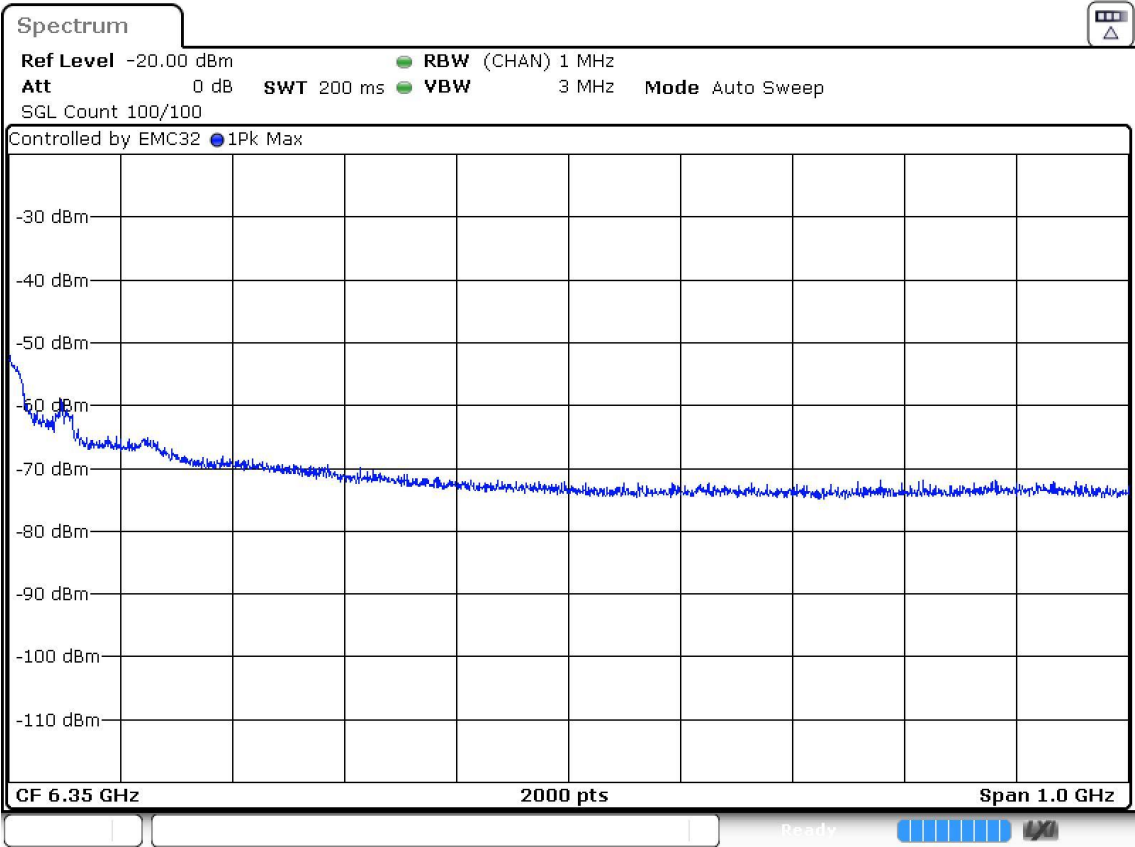




Active Port = 1 Frequency MHz = 5825.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:





Modulation: 802.11ac VHT20 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
1	5745.00000	5638.750000	-55.3
1	5745.00000	5646.250000	-55.6
1	5745.00000	5642.250000	-55.6
1	5745.00000	5641.250000	-55.7
1	5745.00000	5604.750000	-55.8
1	5745.00000	5592.750000	-56.0
1	5745.00000	5627.250000	-56.1
1	5745.00000	5599.750000	-56.1
1	5745.00000	5587.250000	-56.1
1	5745.00000	5645.750000	-56.2
1	5745.00000	5644.750000	-56.2
1	5745.00000	5641.750000	-56.2
1	5745.00000	5648.750000	-56.3
1	5745.00000	5605.750000	-56.3
1	5745.00000	5597.250000	-56.3
1	5825.00000	5972.250000	-54.2
1	5825.00000	5932.750000	-54.3
1	5825.00000	5965.250000	-54.4
1	5825.00000	5937.750000	-54.4
1	5825.00000	5936.750000	-54.5
1	5825.00000	5979.250000	-54.6
1	5825.00000	5966.750000	-54.6
1	5825.00000	5927.750000	-54.7
1	5825.00000	5946.250000	-54.7
1	5825.00000	5952.250000	-54.8
1	5825.00000	5935.750000	-54.8
1	5825.00000	5930.250000	-54.8
1	5825.00000	5974.250000	-54.8
1	5825.00000	6004.250000	-54.9
1	5825.00000	5925.250000	-54.9

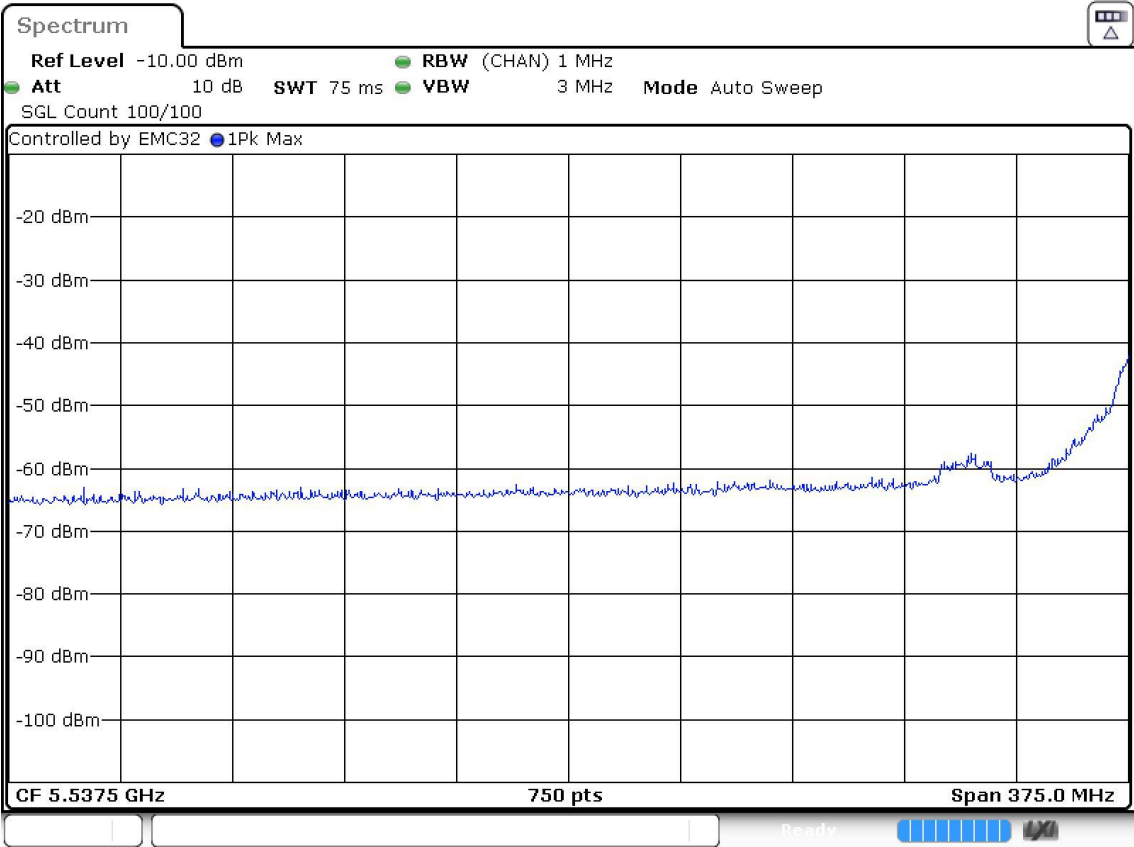
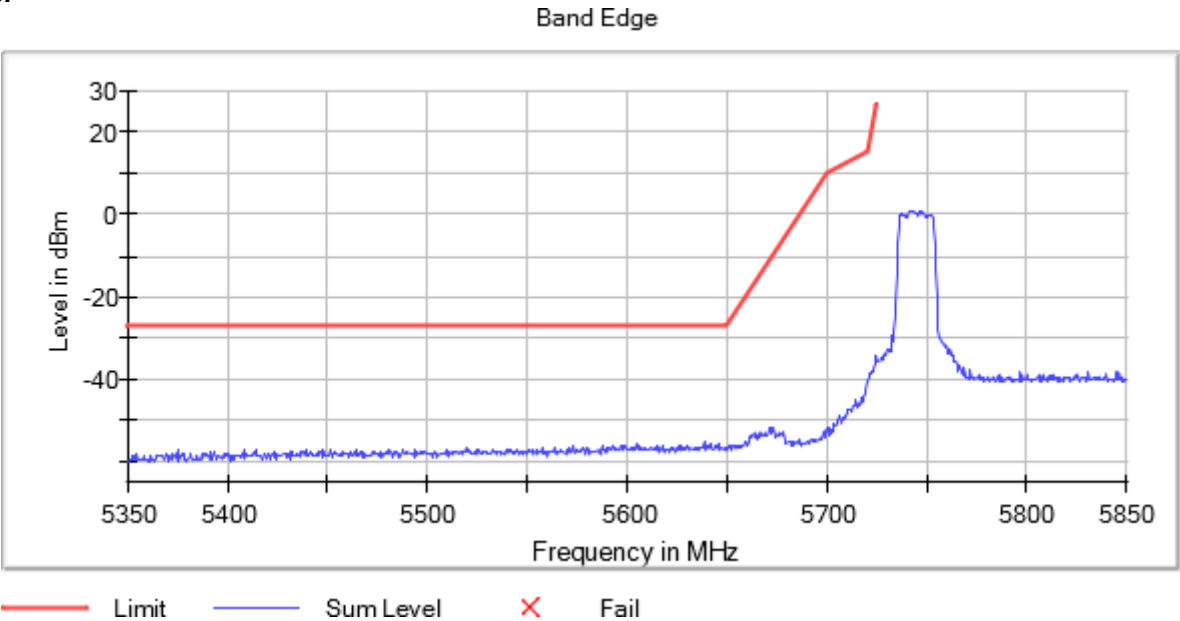
Verdict

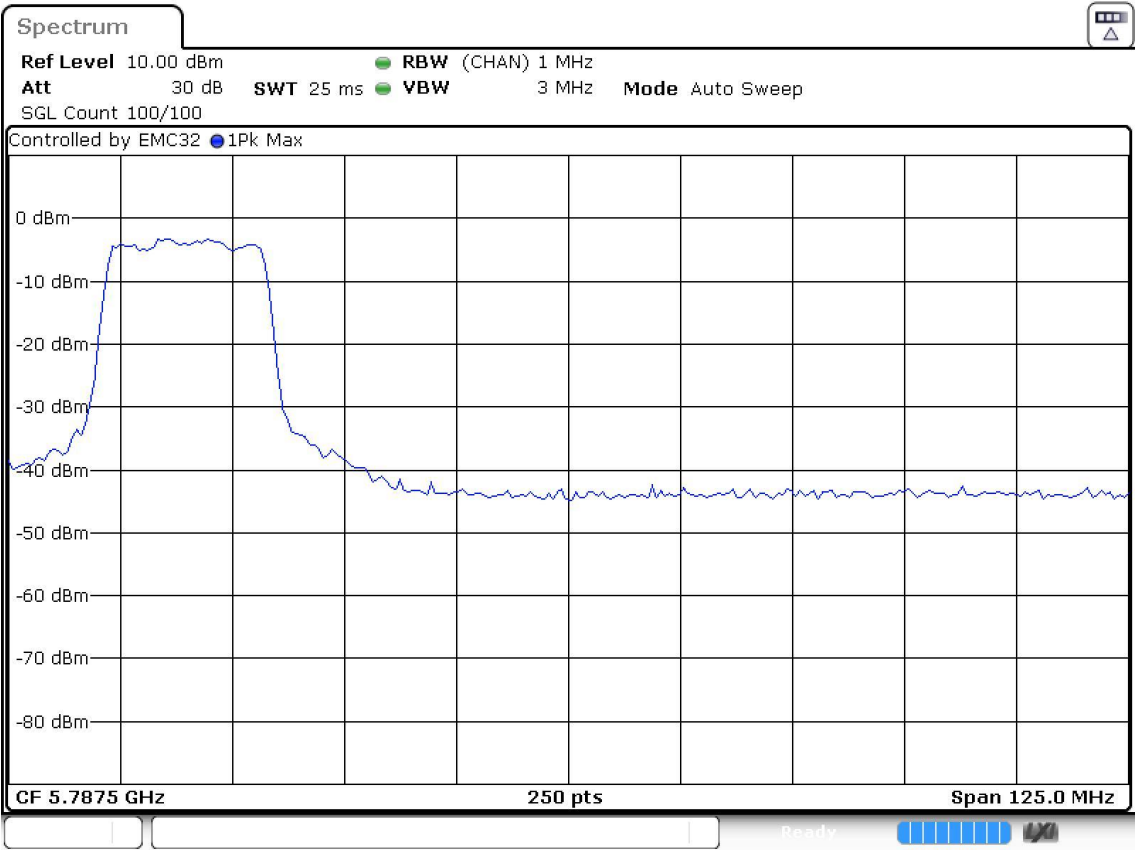
Pass

Attachments

Active Port = 1
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = SISO
Frequency MHz = 5745.00000

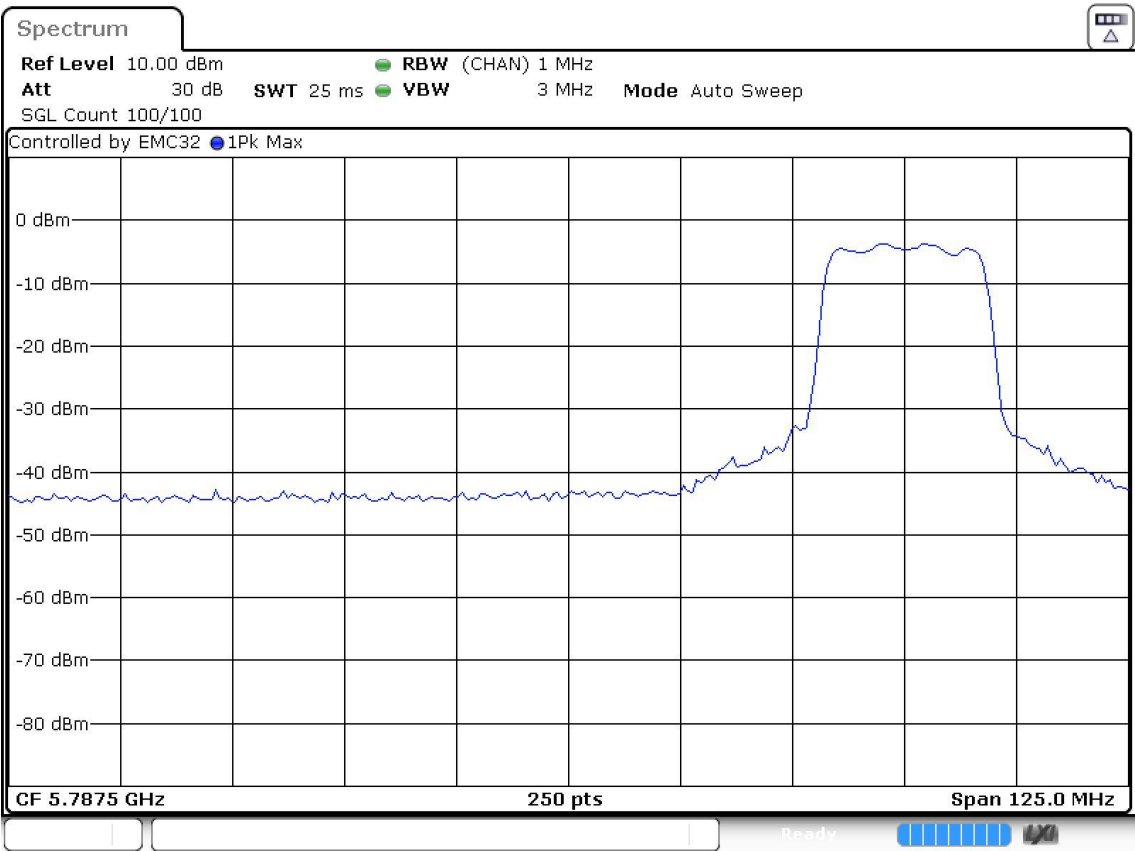
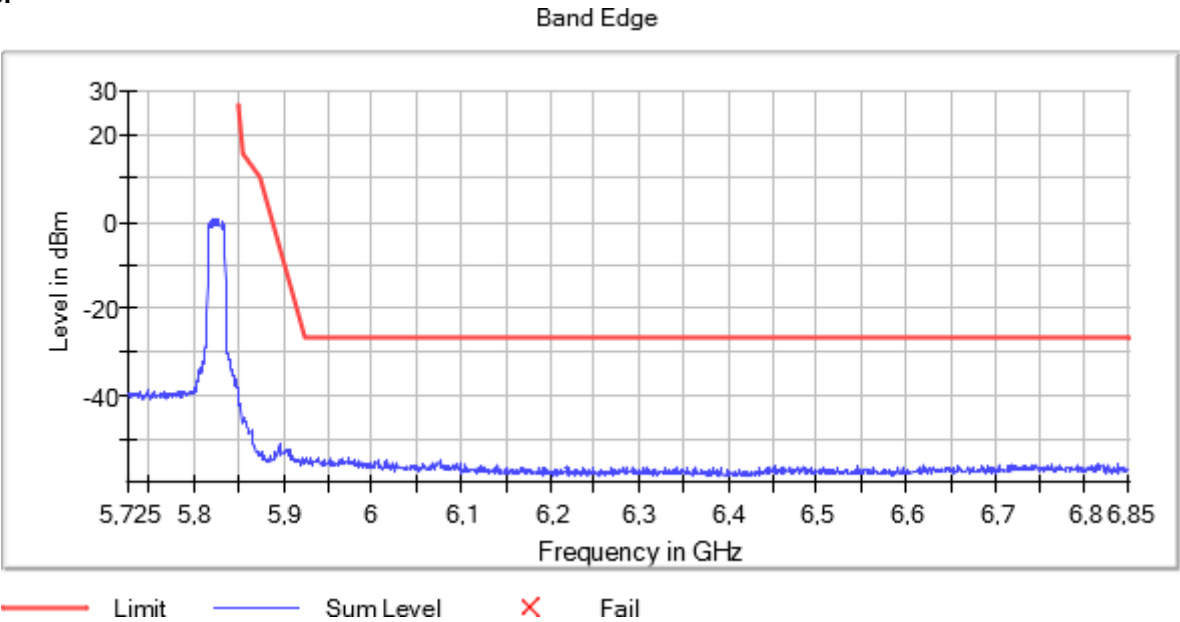
Images:

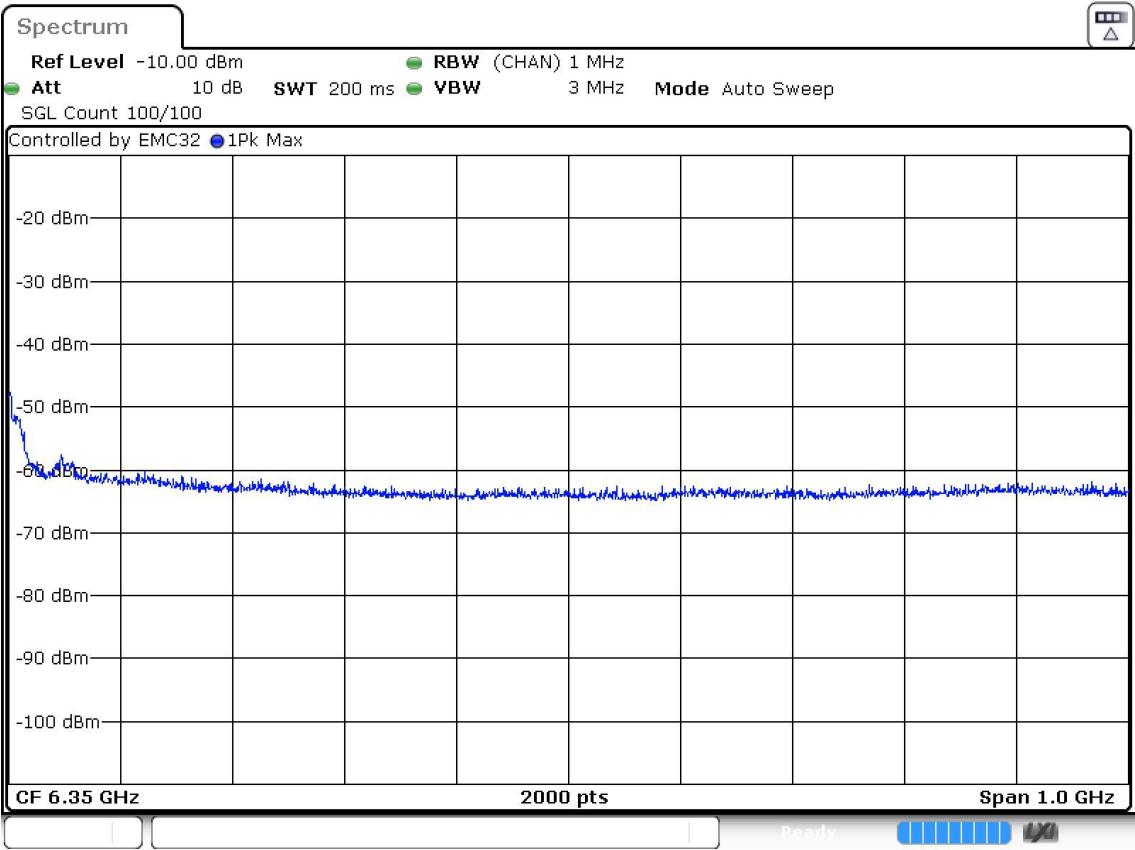




Active Port = 1
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = SISO
Frequency MHz = 5825.00000

Images:





Modulation: 802.11ac VHT40 (OFDM MCS0)

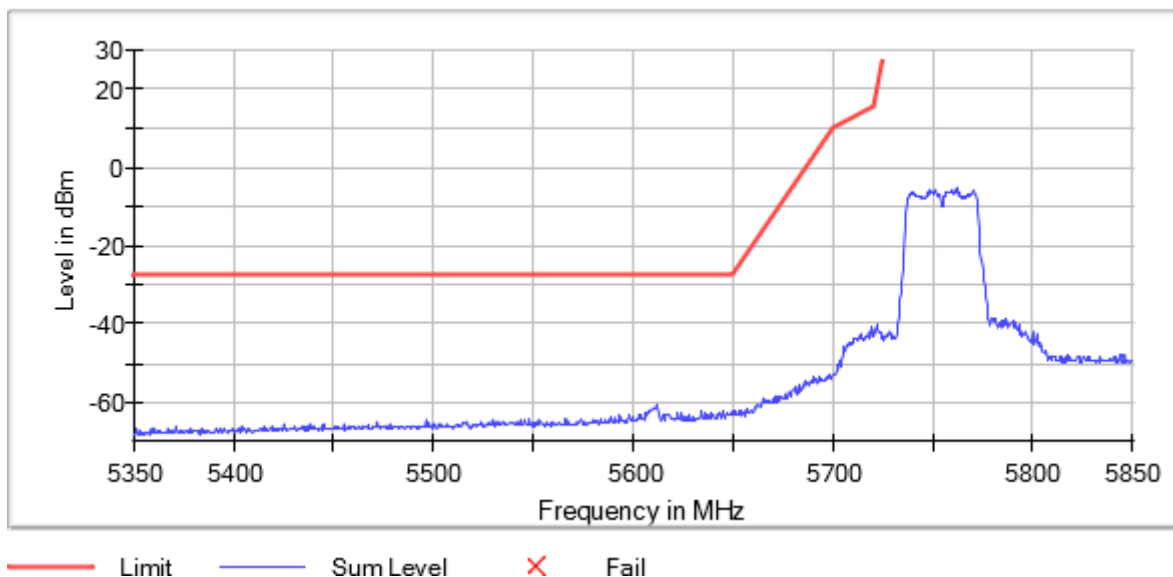
MIMO Mode: SISO

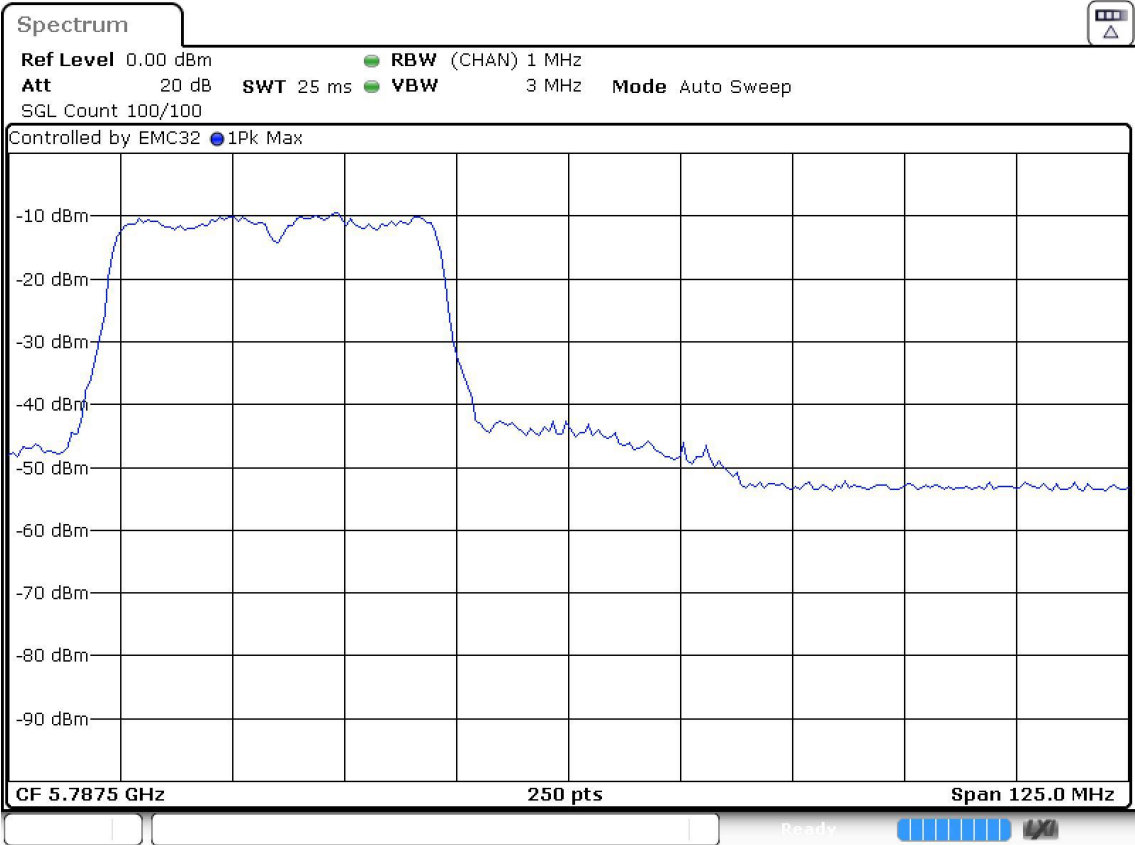
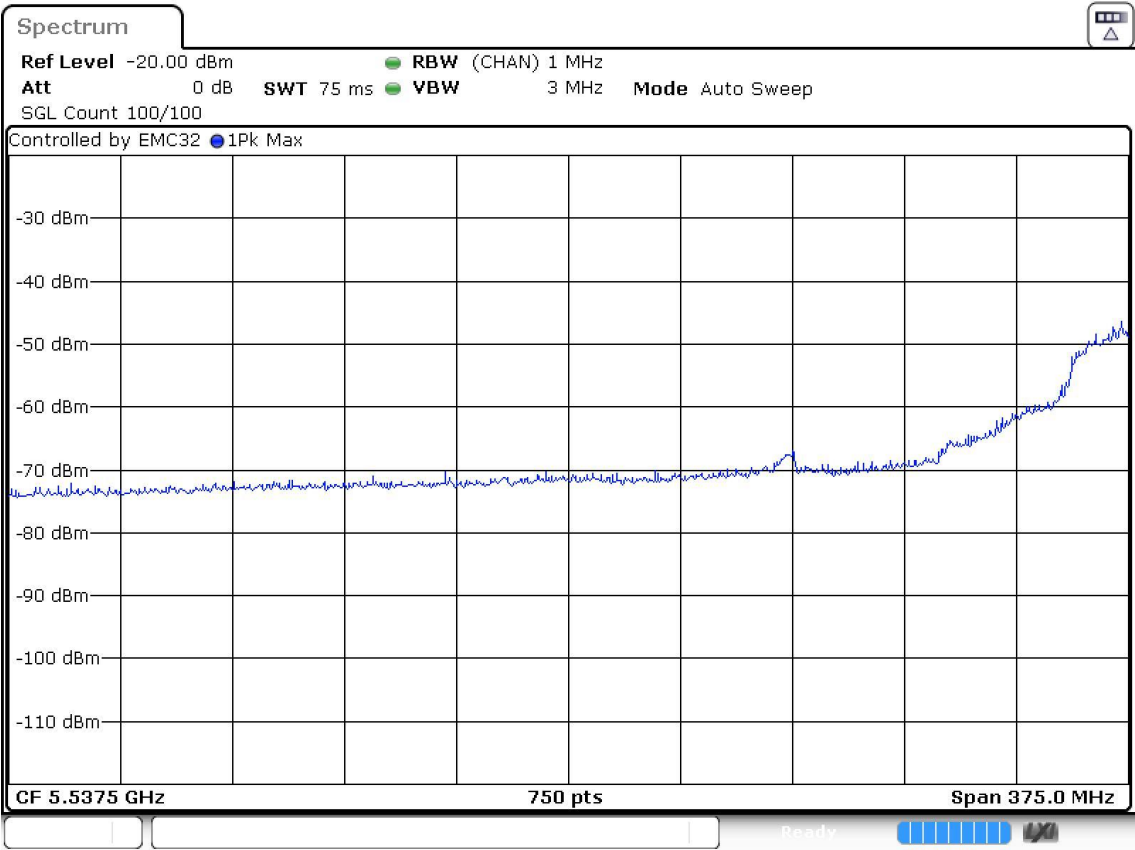
Results

Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
1	5755.00000	5612.250000	-60.9
1	5755.00000	5612.750000	-61.0
1	5755.00000	5611.250000	-61.5
1	5755.00000	5610.250000	-61.6
1	5755.00000	5610.750000	-61.6
1	5755.00000	5611.750000	-61.8
1	5755.00000	5609.750000	-61.9
1	5755.00000	5608.750000	-62.1
1	5755.00000	5609.250000	-62.1
1	5755.00000	5645.250000	-62.5
1	5755.00000	5634.250000	-62.6
1	5755.00000	5649.750000	-62.6
1	5755.00000	5608.250000	-62.6
1	5755.00000	5638.750000	-62.6
1	5755.00000	5607.250000	-62.7
1	5795.00000	5938.750000	-59.8
1	5795.00000	5937.750000	-60.2
1	5795.00000	5937.250000	-60.2
1	5795.00000	5939.750000	-60.4
1	5795.00000	5938.250000	-60.5
1	5795.00000	5939.250000	-60.6
1	5795.00000	5940.250000	-60.8
1	5795.00000	5940.750000	-60.9
1	5795.00000	5936.750000	-61.1
1	5795.00000	5941.750000	-61.2
1	5795.00000	5941.250000	-61.2
1	5795.00000	5942.750000	-61.4
1	5795.00000	5942.250000	-62.0
1	5795.00000	5949.250000	-62.0
1	5795.00000	5948.250000	-62.3

Verdict

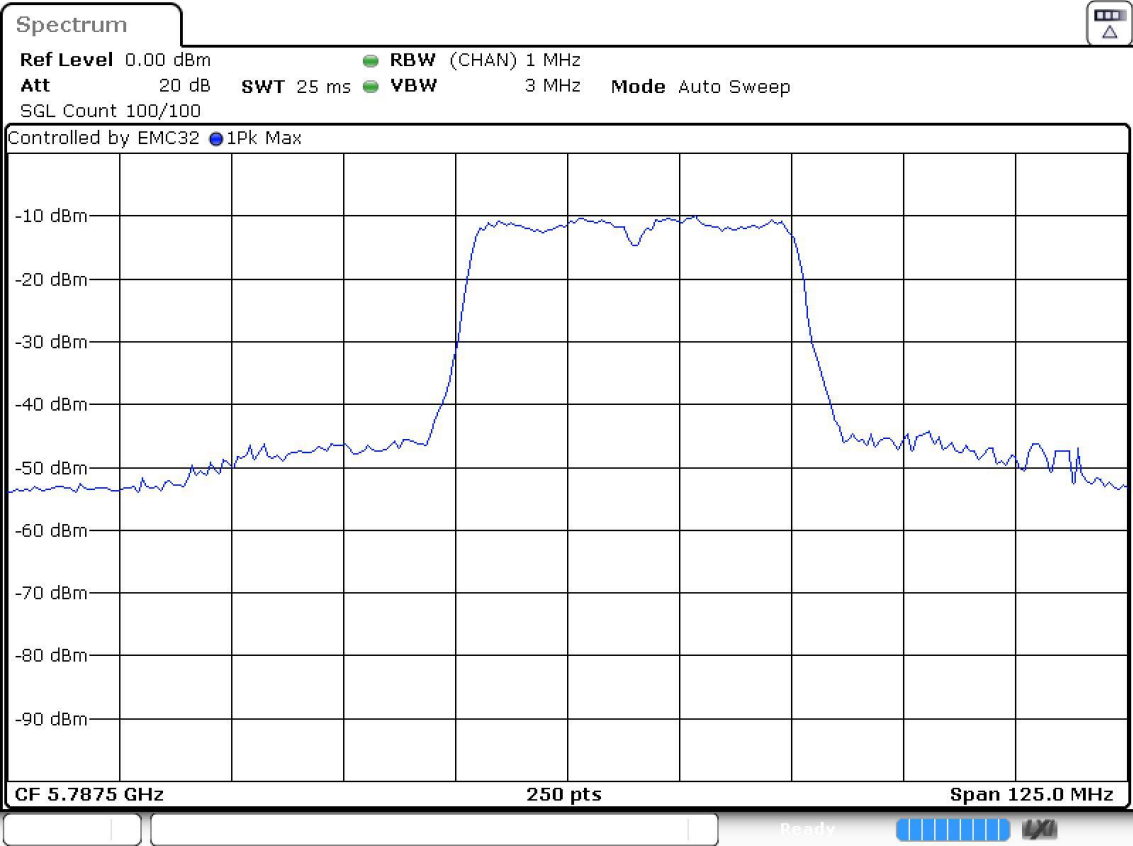
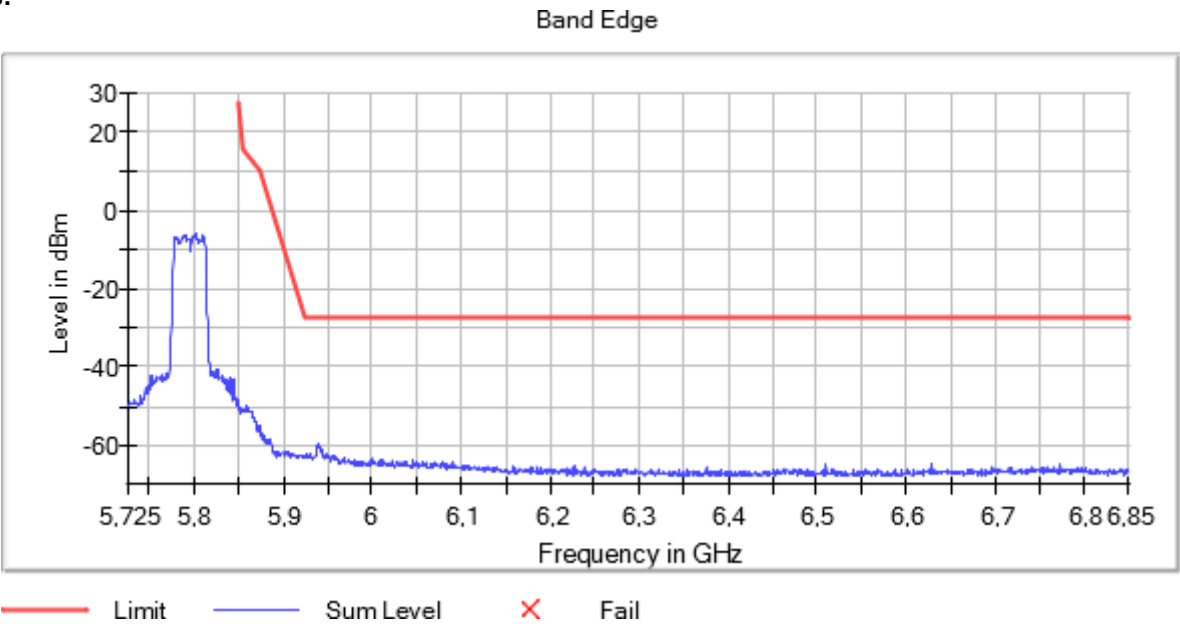
Pass

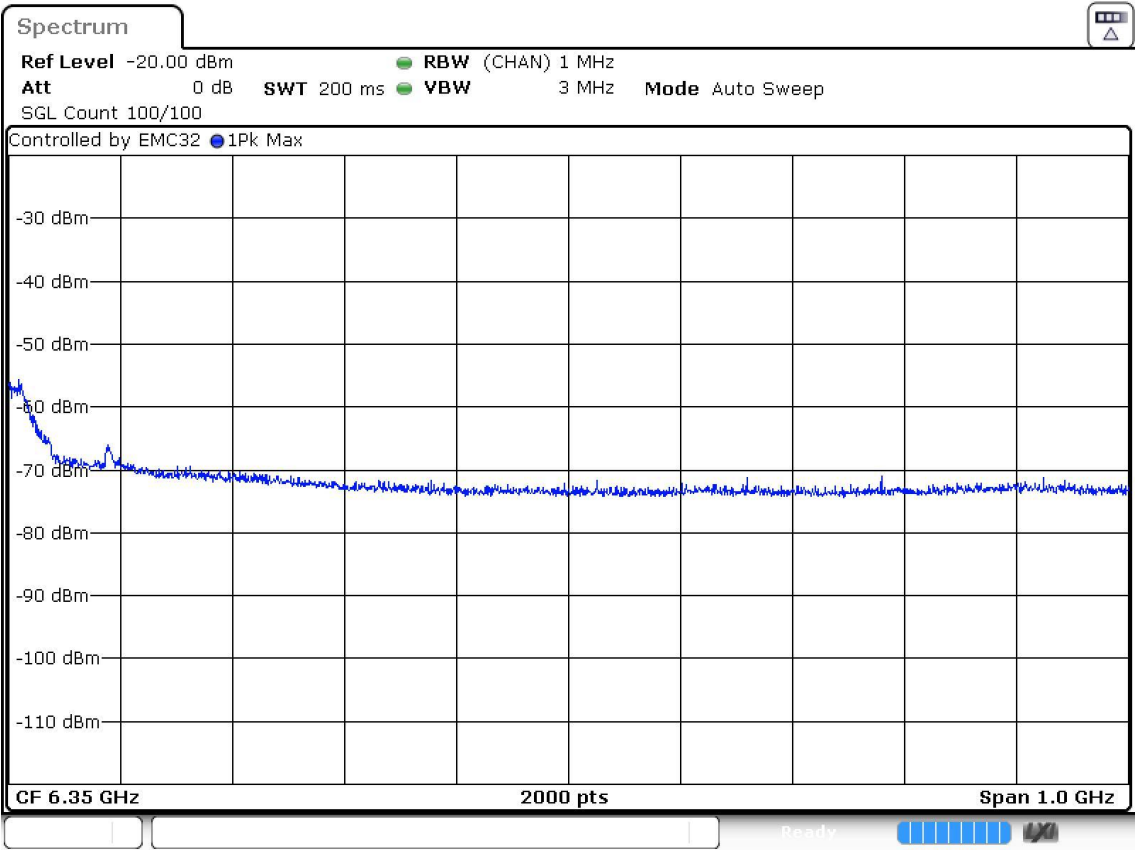




Active Port = 1
Modulation = 802.11ac VHT40 (OFDM MCS0) MIMO Mode = SISO
Frequency MHz = 5795.00000

Images:





Modulation: 802.11ac VHT80 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	Freq (MHz)	Lvl (dBm)
1	5775.00000	5643.750000	-58.89
1	5775.00000	5650.750000	-59.21
1	5775.00000	5637.750000	-59.96
1	5775.00000	5648.250000	-60.08
1	5775.00000	5638.250000	-60.15
1	5775.00000	5649.750000	-60.23
1	5775.00000	5648.750000	-60.25
1	5775.00000	5641.250000	-60.29
1	5775.00000	5644.250000	-60.46
1	5775.00000	5634.750000	-60.62
1	5775.00000	5646.250000	-60.63
1	5775.00000	5619.750000	-60.65
1	5775.00000	5649.250000	-60.66
1	5775.00000	5645.750000	-60.85
1	5775.00000	5641.750000	-60.86
1	5775.00000	5941.250000	-59.97
1	5775.00000	5981.250000	-60.03
1	5775.00000	5934.250000	-60.06
1	5775.00000	5928.750000	-60.11
1	5775.00000	5927.250000	-60.12
1	5775.00000	5925.250000	-60.12
1	5775.00000	5962.750000	-60.14
1	5775.00000	5942.250000	-60.16
1	5775.00000	6001.250000	-60.20
1	5775.00000	5949.250000	-60.27
1	5775.00000	5933.750000	-60.28
1	5775.00000	5927.750000	-60.31
1	5775.00000	5929.250000	-60.32
1	5775.00000	5935.250000	-60.48
1	5775.00000	5973.250000	-60.53

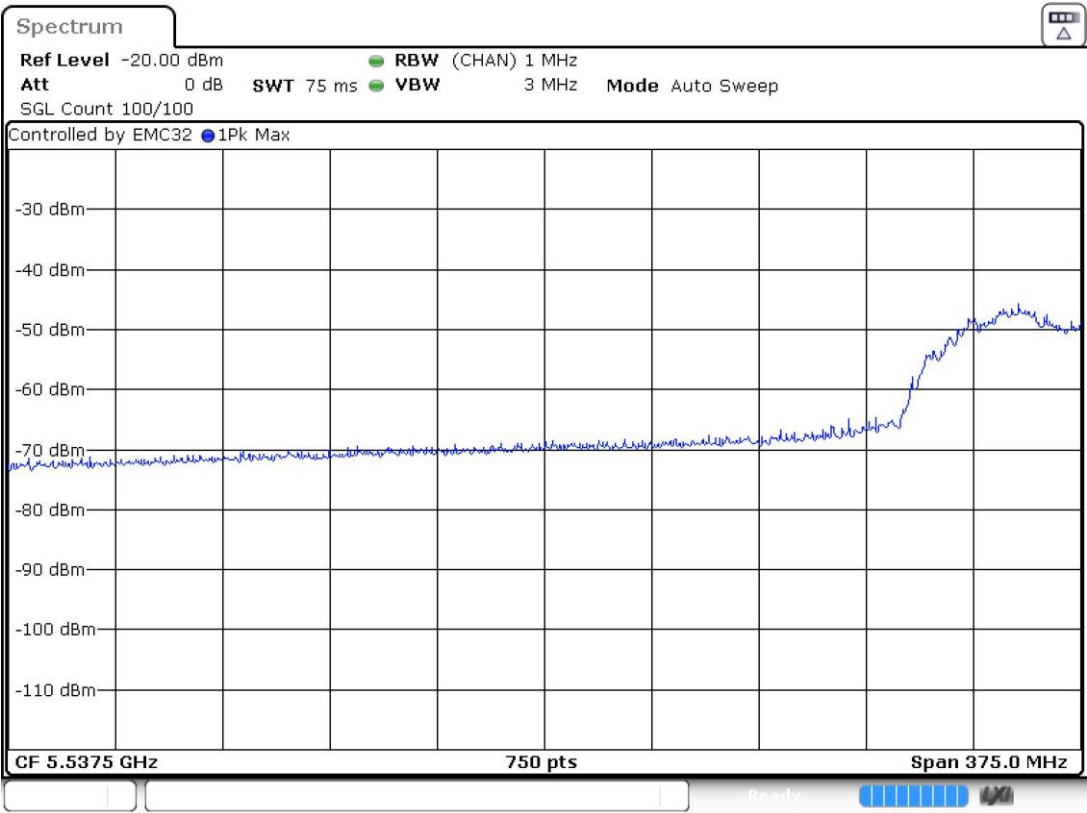
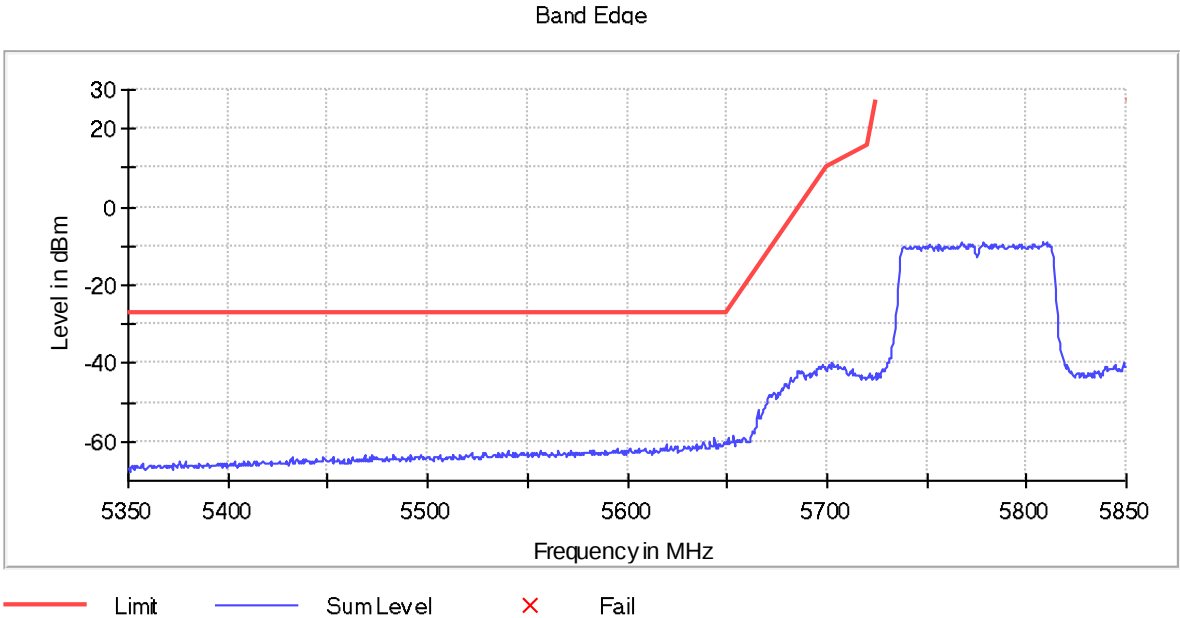
Verdict

Pass

Attachments

Active Port = 1
Frequency MHz = 5775.00000
Modulation = 802.11ac VHT80 (OFDM MCS0) MIMO Mode = SISO

Images:

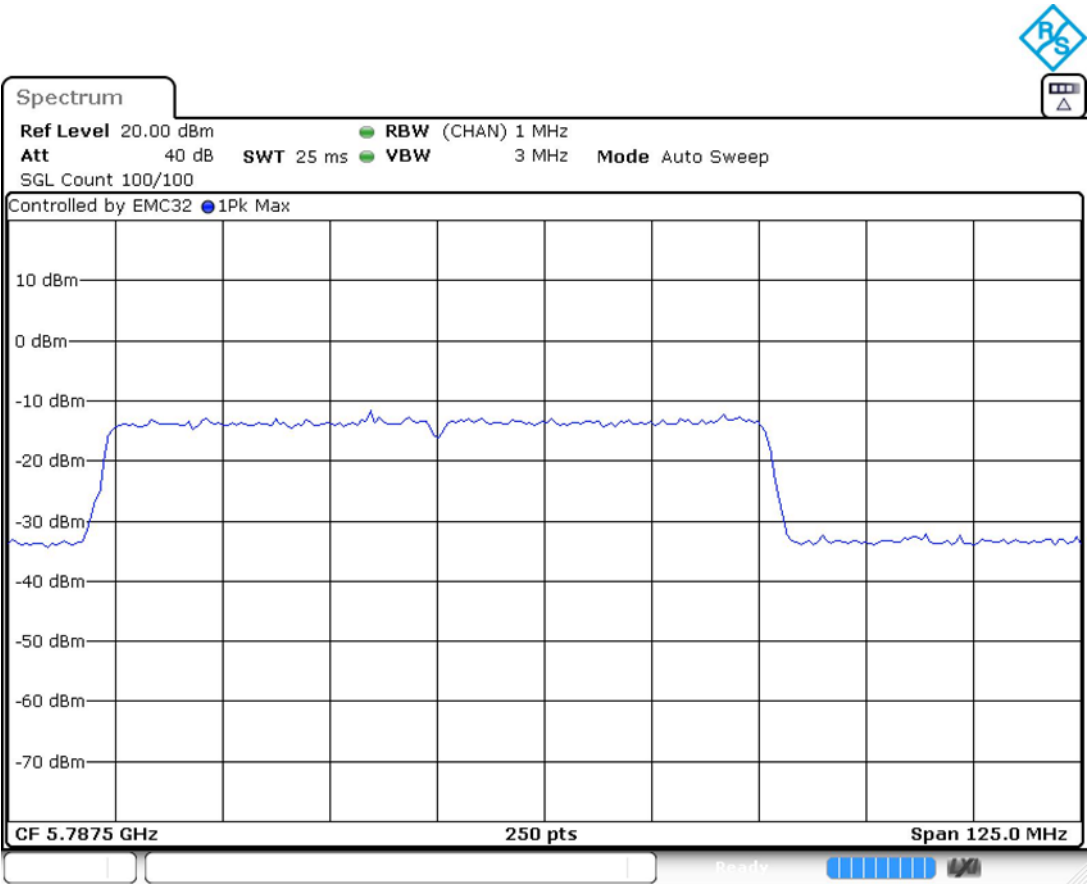
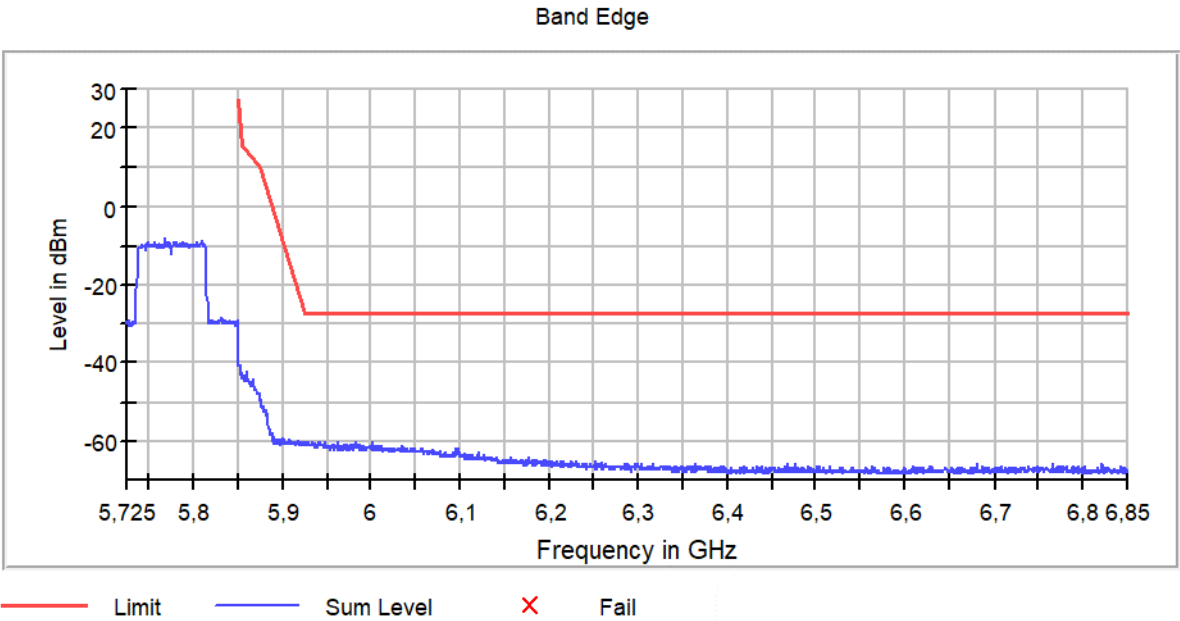


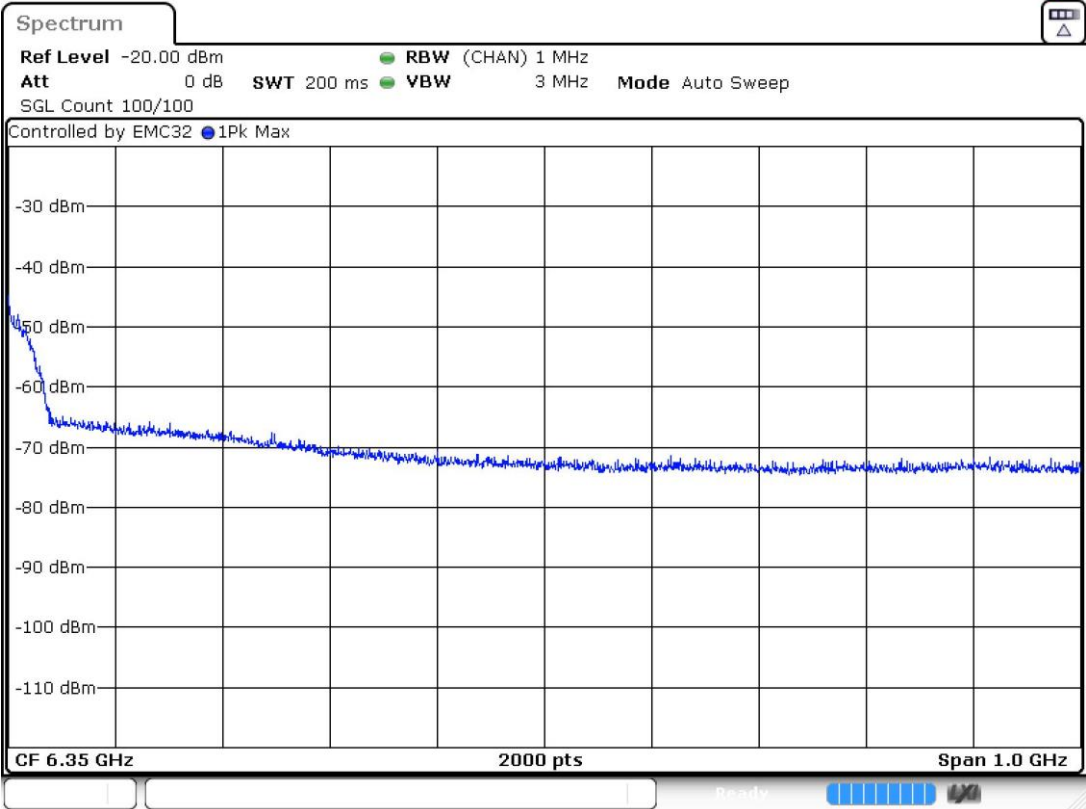


Attachments

Active Port = 1
Modulation = 802.11ac VHT80 (OFDM MCS0) MIMO Mode = SISO
Frequency MHz = 5775.00000

Images:





RSS-Gen 6.10. / Section 15.35 Subclause (c) [DC] Duty Cycle

Limits

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

Modulation: 802.11n HT20 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	DC (%)
1	5745.00000	95.91
	5785.00000	95.91
	5825.00000	95.91

Modulation: 802.11n HT40 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	DC (%)
1	5755.00000	92.07
	5795.00000	92.07

Modulation: 802.11a (OFDM 6 Mbit/s)

MIMO Mode: SISO

Results

Port	Freq (MHz)	DC (%)
1	5745.00000	96.16
	5785.00000	96.16
	5825.00000	96.16

Modulation: 802.11ac VHT20 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	DC (%)
1	5745.00000	95.93
	5785.00000	95.93
	5825.00000	95.93

Modulation: 802.11ac VHT40 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	DC (%)
1	5755.00000	92.18
	5795.00000	92.18

Modulation: 802.11ac VHT80 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	DC (%)
1	5775.00000	85.43

Verdict

Pass

RSS-Gen 6.6 / RSS-247 6.2. [99dBW] Transmitter 99% Occupied Bandwidth

Limits

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

The following conditions shall be observed for measuring the occupied bandwidth:

- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.
- The detector of the spectrum analyzer shall be set to “Sample”. However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or “Max Hold”) may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

Modulation: 802.11n HT20 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	Occ Ch BW (MHz)
1	5745.00000	17.600
	5785.00000	17.700
	5825.00000	17.700

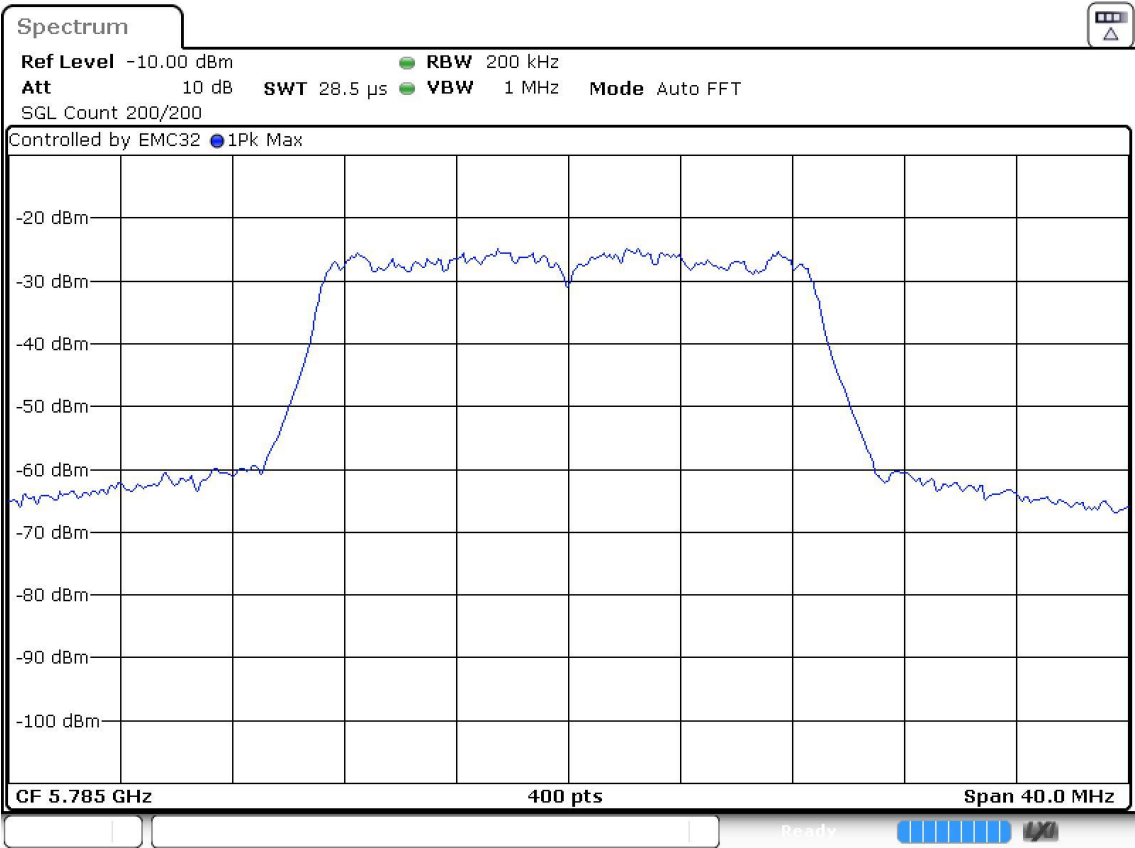
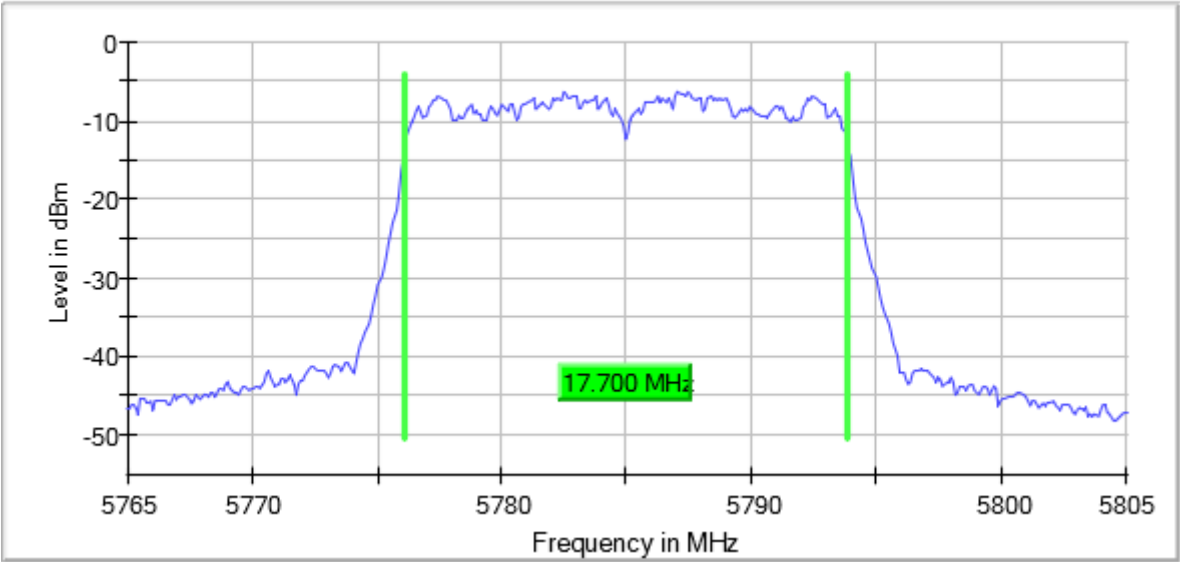
Verdict

Pass

Active Port = 1
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = SISO
Frequency MHz = 5785.00000

Images:

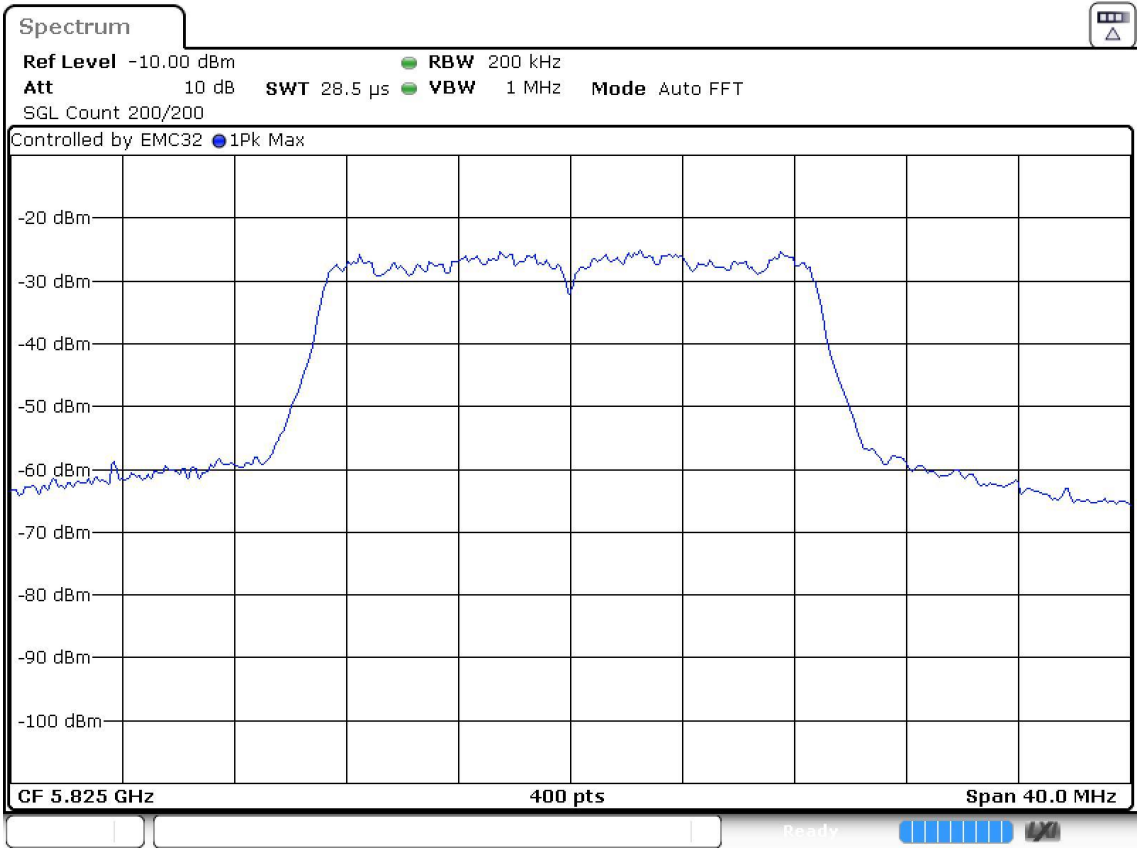
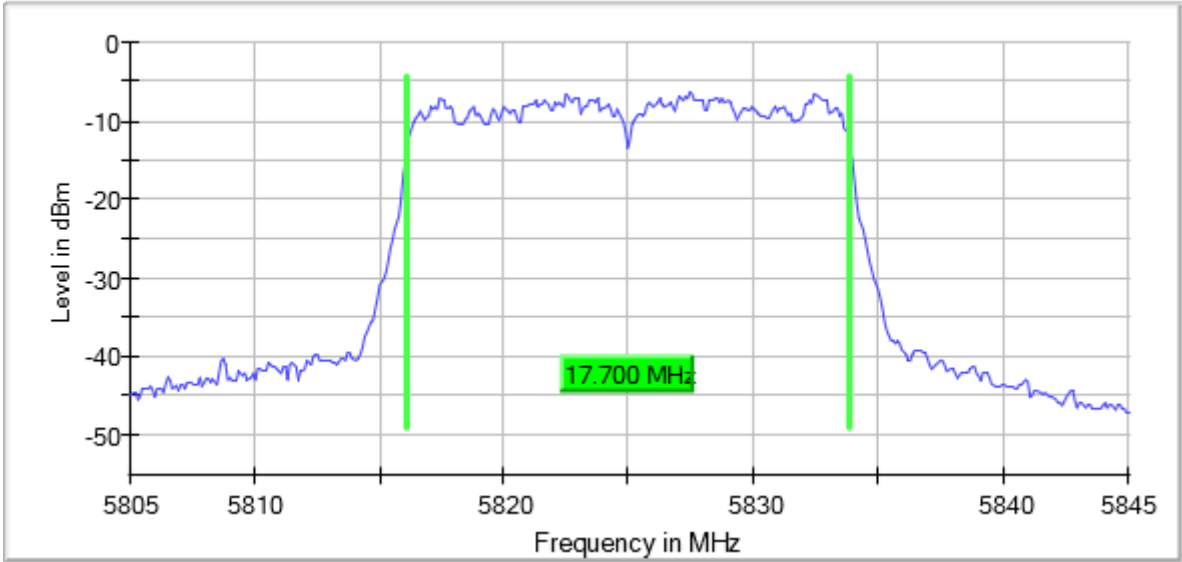
99 % Bandwidth



Active Port = 1
Frequency MHz = 5825.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = SISO

Images:

99 % Bandwidth



Modulation: 802.11n HT40 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	Occ Ch BW (MHz)
1	5755.00000	36.250
	5795.00000	36.250

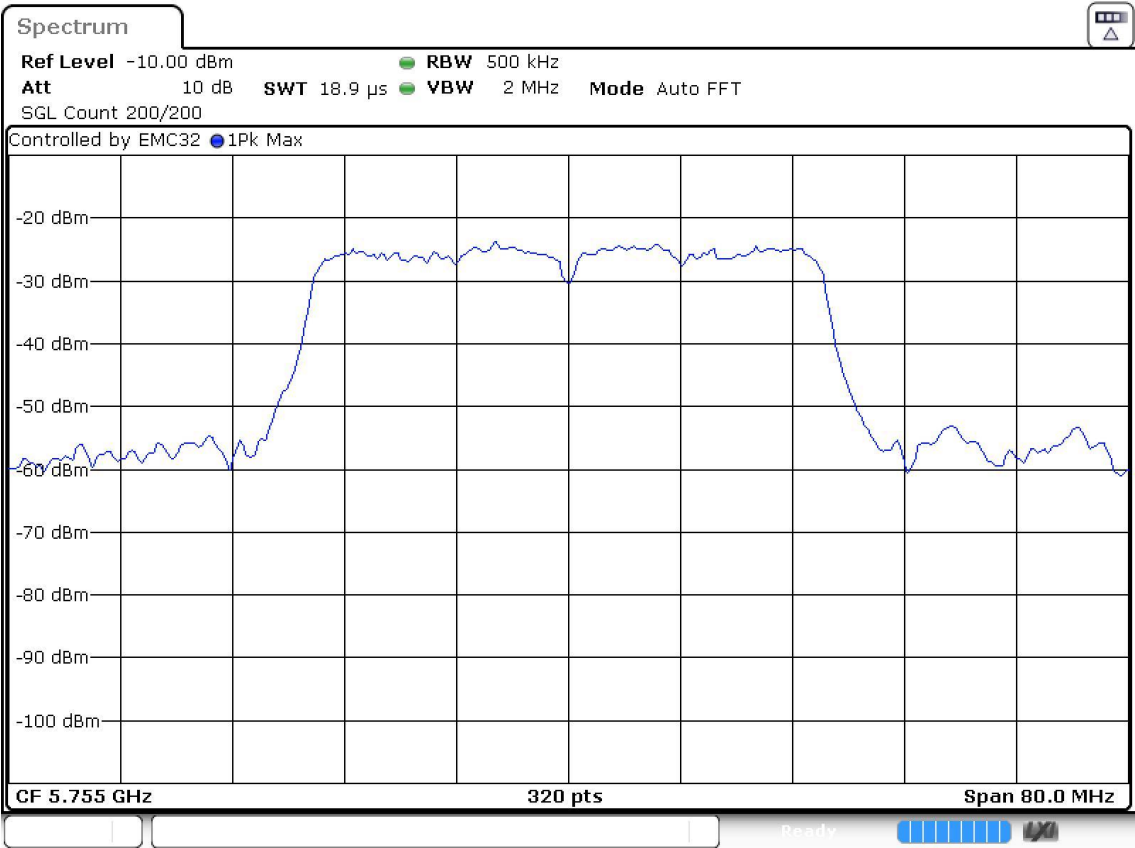
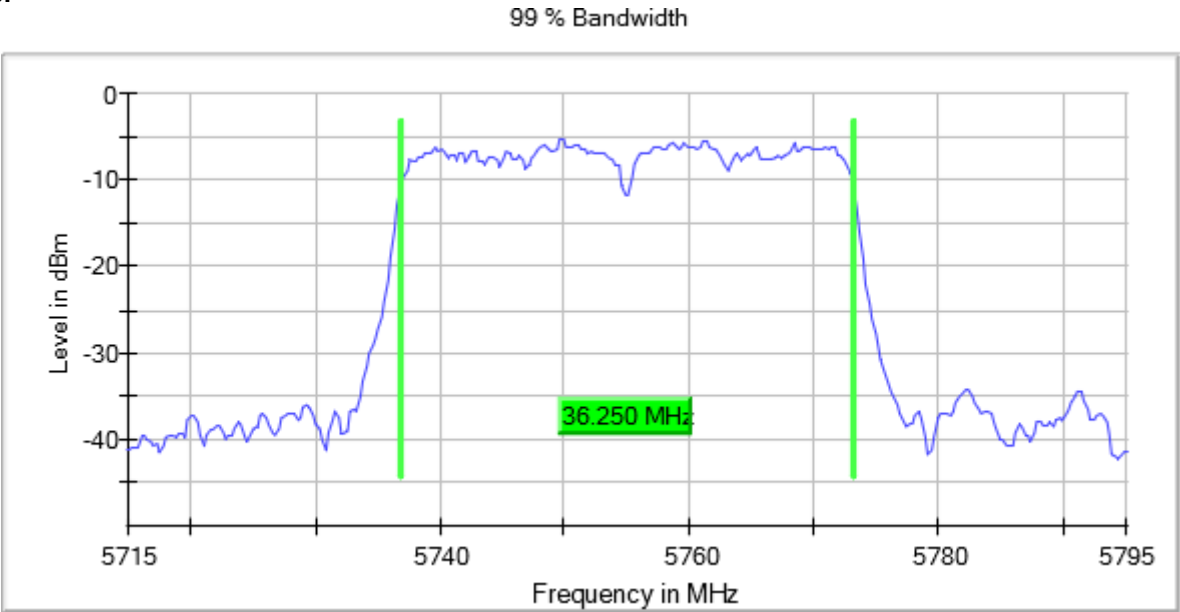
Verdict

Pass

Attachments

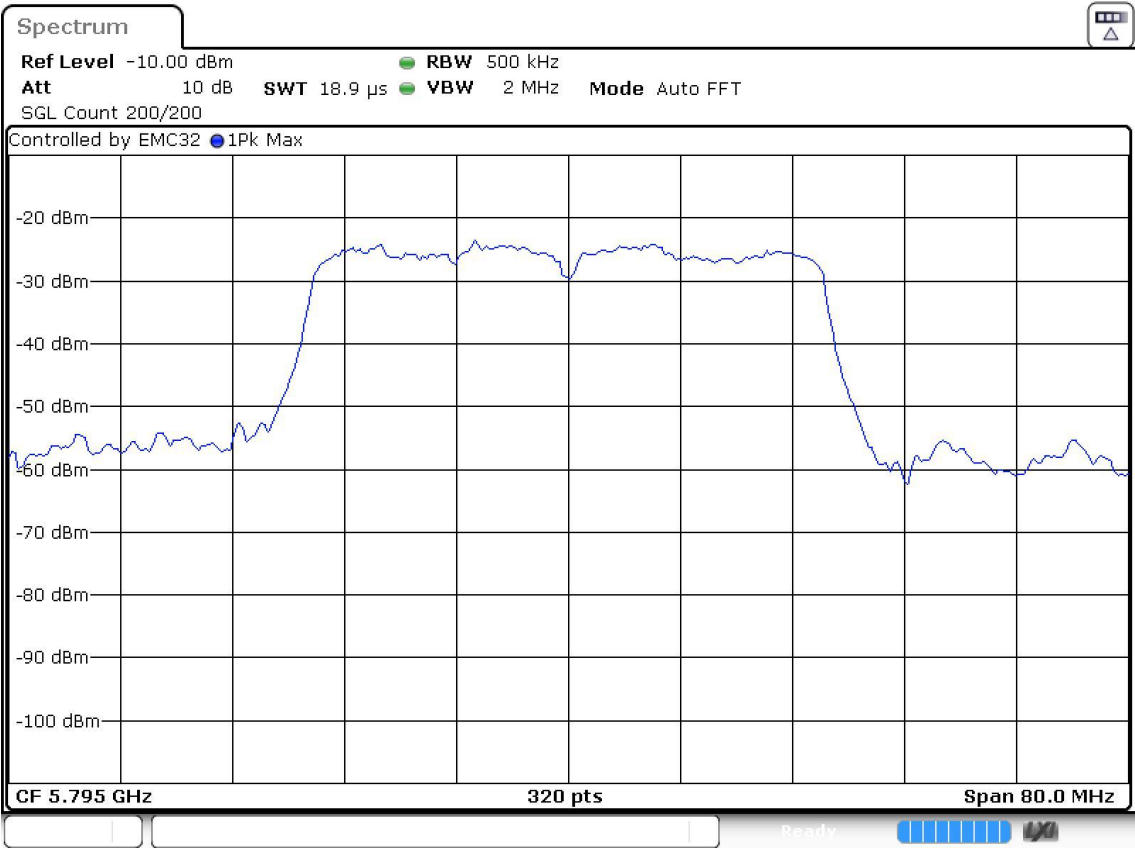
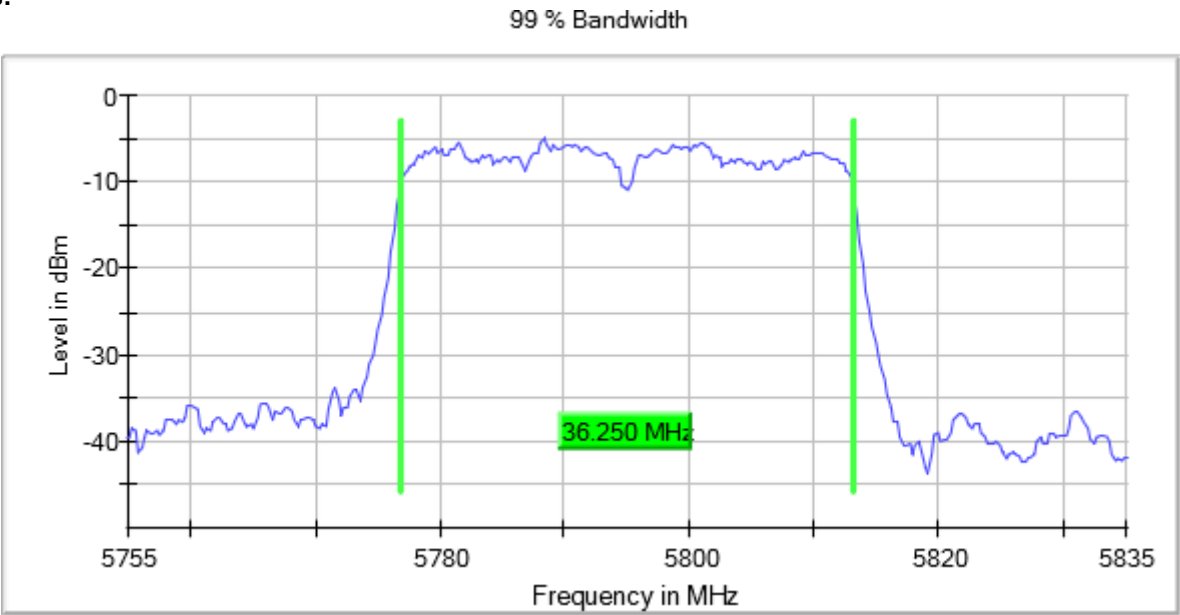
Active Port = 1
Frequency MHz = 5755.00000
Modulation = 802.11n HT40 (OFDM MCS0) MIMO Mode = SISO

Images:



Active Port = 1
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

Port	Freq (MHz)	Occ Ch BW (MHz)
1	5745.00000	16.600
	5785.00000	16.600
	5825.00000	16.500

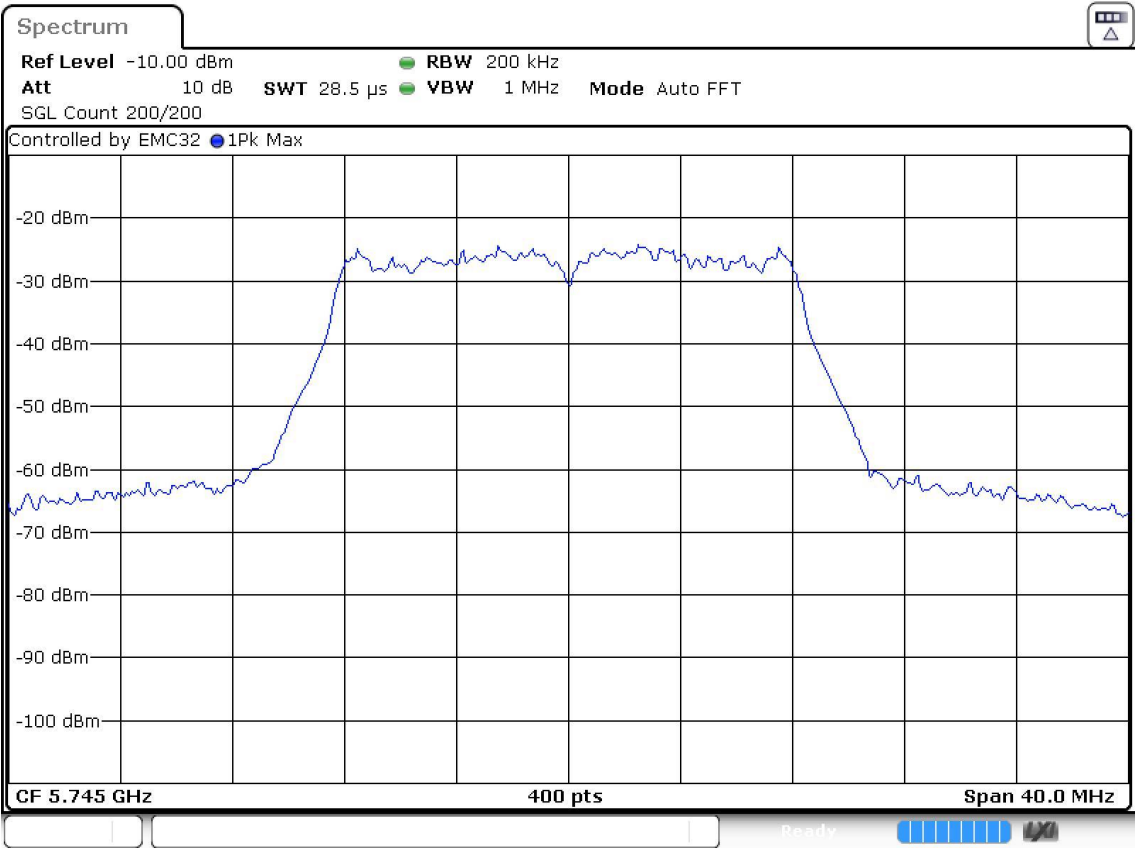
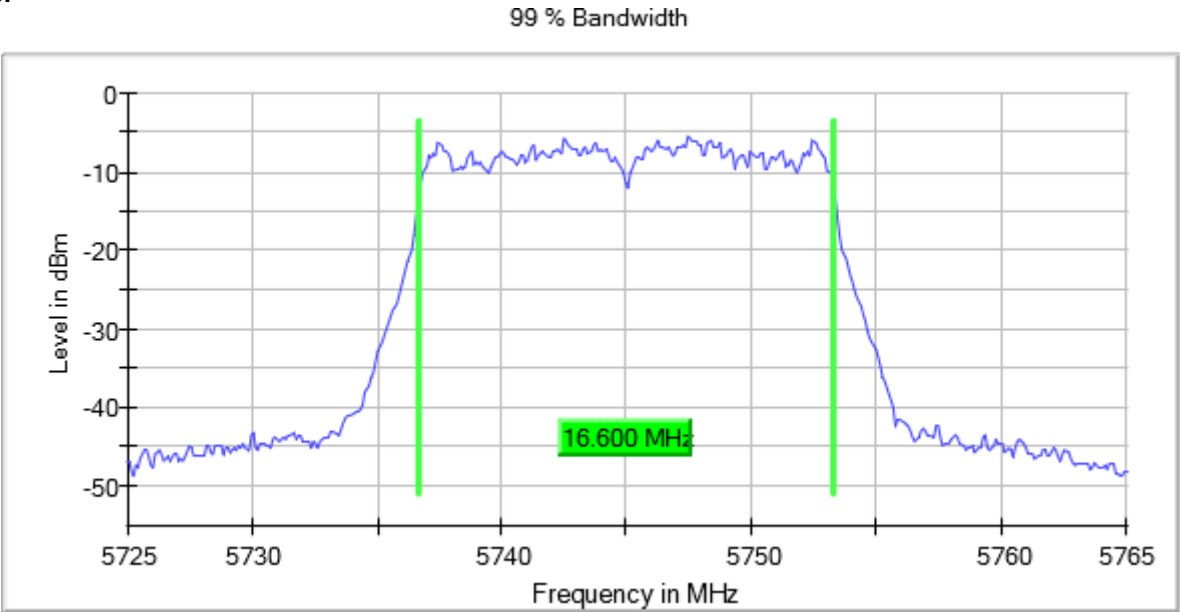
Verdict

Pass

Attachments

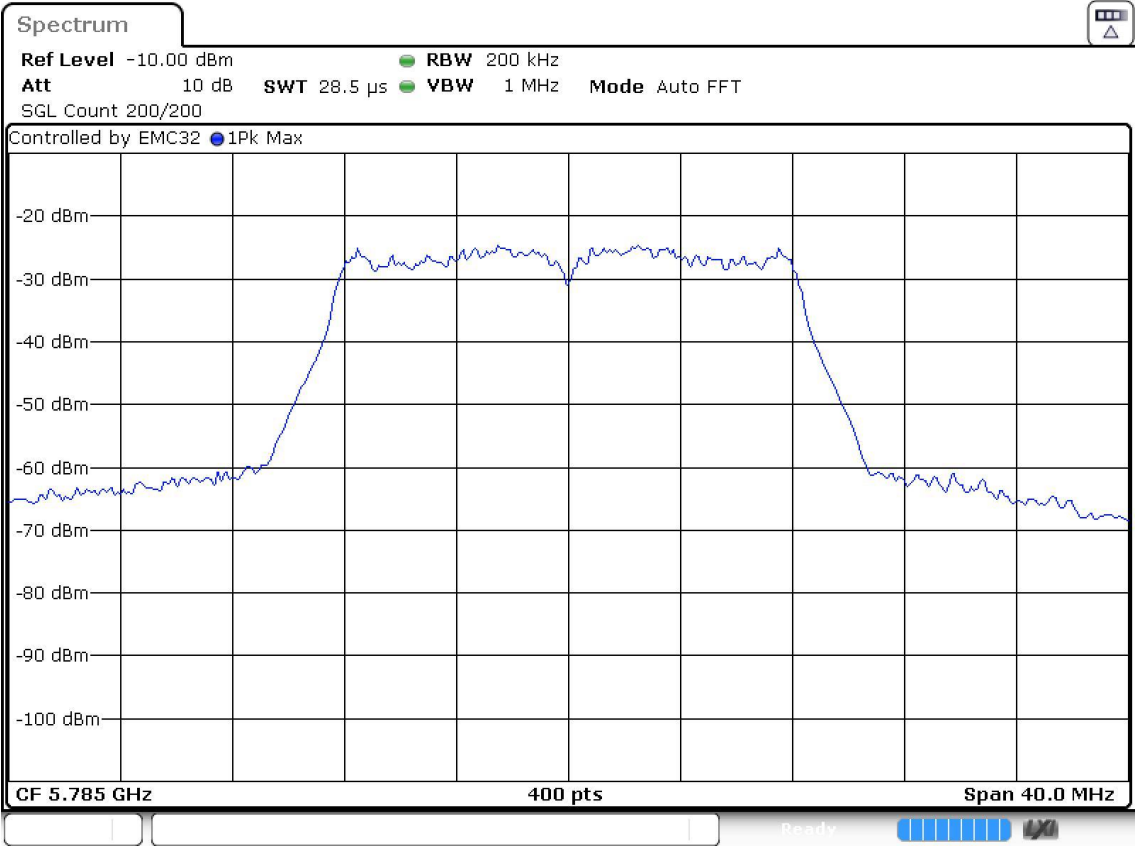
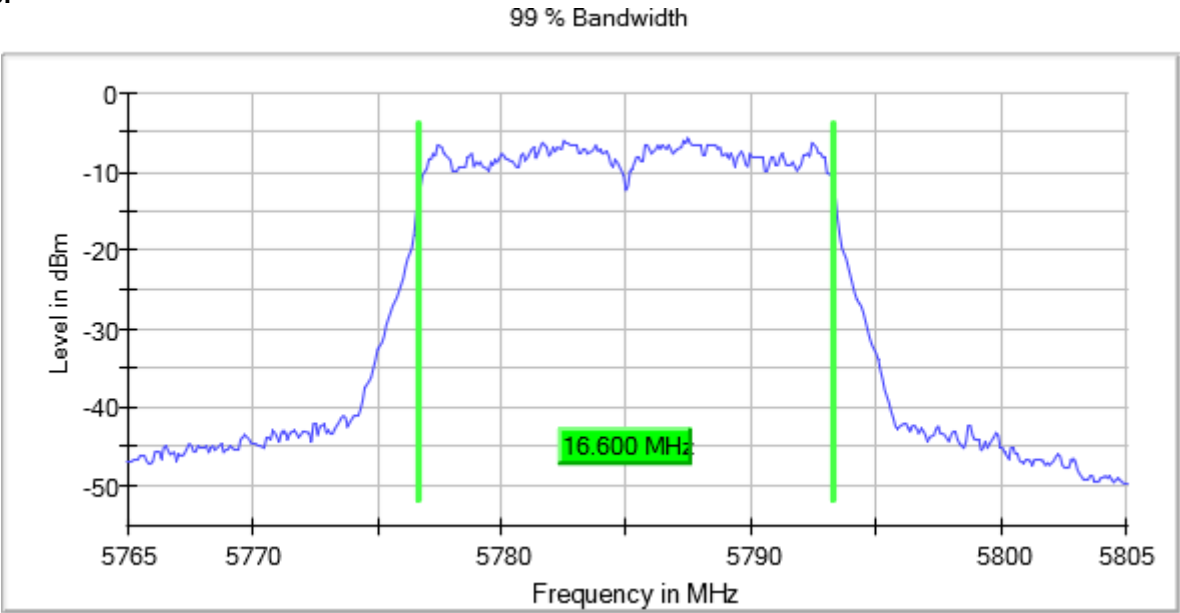
Active Port = 1 Frequency MHz = 5745.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:



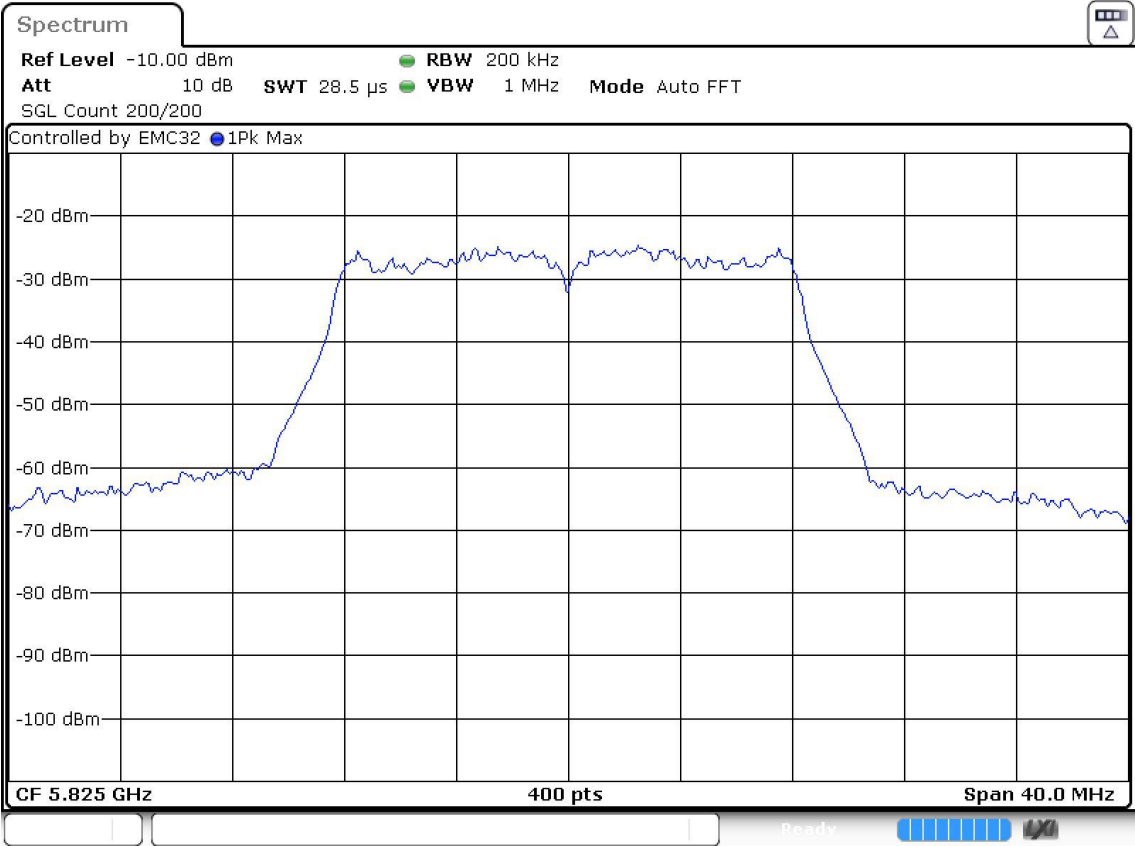
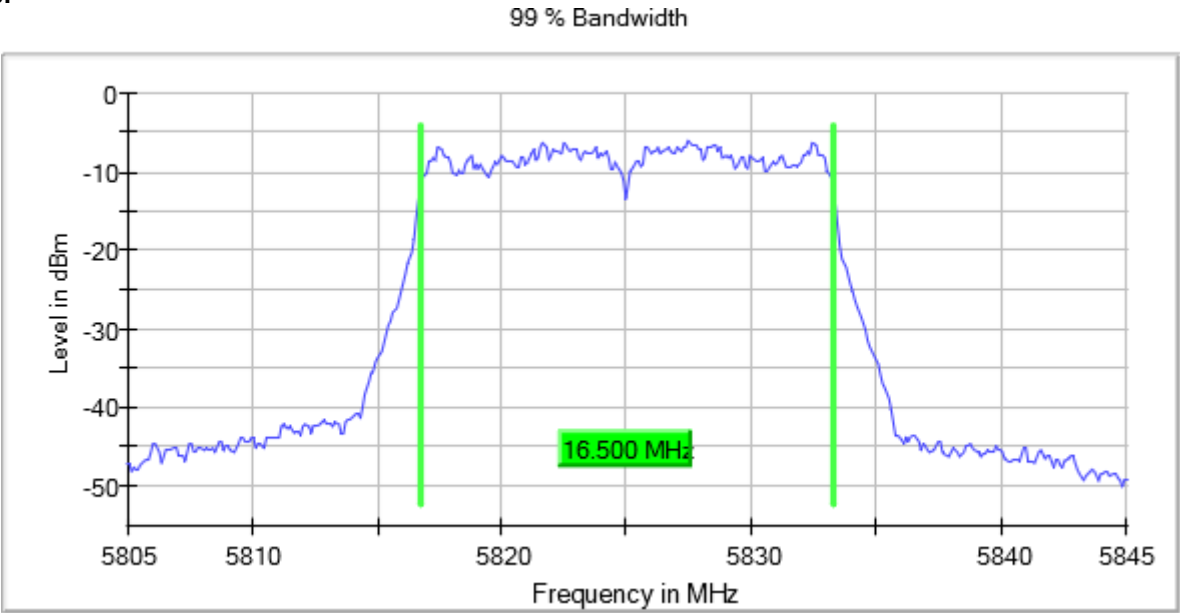
Active Port = 1 Frequency MHz = 5785.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:



Active Port = 1 Frequency MHz = 5825.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = SISO

Images:



Modulation: 802.11ac VHT20 (OFDM MCS0)

MIMO Mode: SISO

Results

Port	Freq (MHz)	Occ Ch BW (MHz)
1	5745.00000	17.600
	5785.00000	17.600
	5825.00000	17.700

Verdict

Pass