

Mode: SISO worst

Modulation: 802.11ax HE80 SS1 (OFDM MCS0) – Partial RU

Results

Port	Freq (MHz)	# of Tx Chains	26Ebw (MHz)
2	5210.00000	1	81.500
2	5775.00000	1	82.000

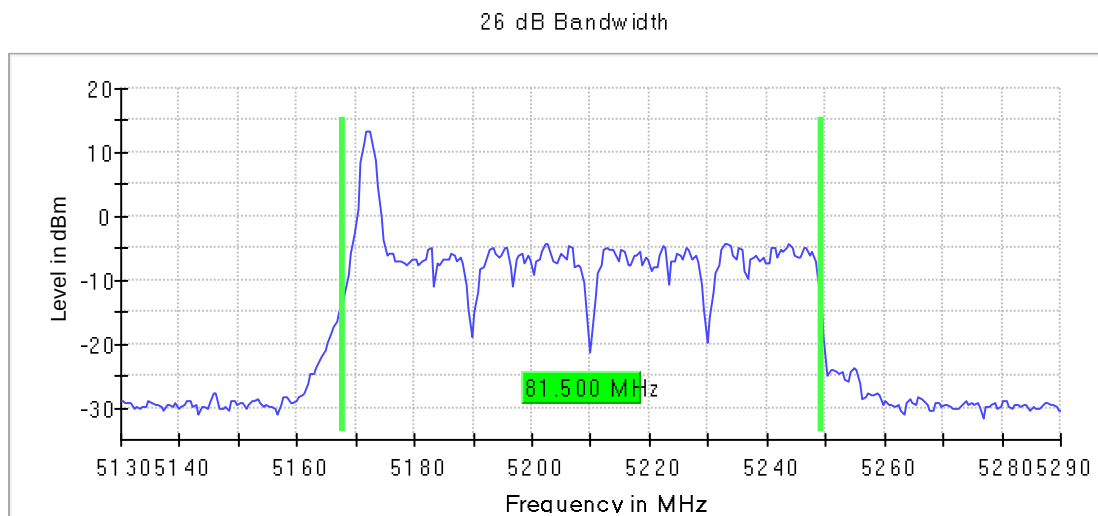
Verdict

Pass

Attachments

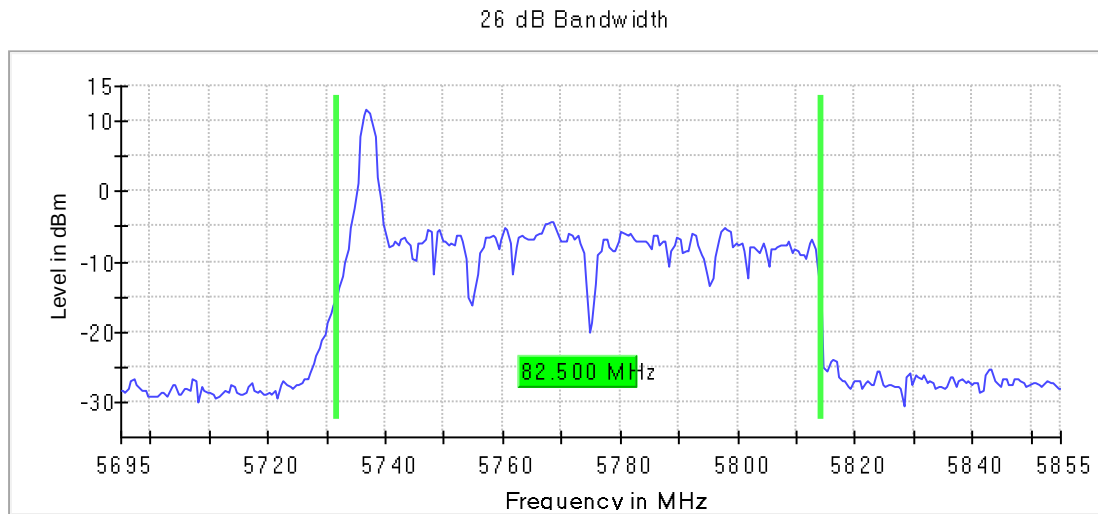
Active Port = 2, Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	~ 800.000 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	320	~ 320
Sweeptime	22.875 μ s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	79 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.30 dB

FCC 15.407 (b) / RSS-247 6.2 Band-edge Conducted Emissions

Limits

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 EIRP of –27 dBm/MHz (68.20 dBμV/m at 3 m distance).

For transmitters operating in the 5.725 – 5.850 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

Mode: SISO worst

Modulation: 802.11a (OFDM 6 Mbit/s)

Results

DUT Frequency: 5180 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
4984.750000	-51.5	24.5	-27.0	PASS
5148.750000	-51.7	24.7	-27.0	PASS
4992.250000	-51.9	24.9	-27.0	PASS
5149.750000	-52.1	25.1	-27.0	PASS
4981.750000	-52.2	25.2	-27.0	PASS
4989.250000	-52.4	25.4	-27.0	PASS
4994.750000	-52.4	25.4	-27.0	PASS
4993.750000	-52.4	25.4	-27.0	PASS
5146.750000	-52.5	25.5	-27.0	PASS
4991.250000	-52.5	25.5	-27.0	PASS
5148.250000	-52.6	25.6	-27.0	PASS
4980.250000	-52.7	25.7	-27.0	PASS
5149.250000	-52.7	25.7	-27.0	PASS
4987.750000	-52.7	25.7	-27.0	PASS
4992.750000	-52.7	25.7	-27.0	PASS

DUT Frequency: 5240 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5418.750000	-56.3	29.3	-27.0	PASS
5367.250000	-56.3	29.3	-27.0	PASS
5447.750000	-56.4	29.4	-27.0	PASS
5444.250000	-56.4	29.4	-27.0	PASS
5447.250000	-56.4	29.4	-27.0	PASS
5366.750000	-56.4	29.4	-27.0	PASS
5419.250000	-56.4	29.4	-27.0	PASS
5380.250000	-56.4	29.4	-27.0	PASS
5430.750000	-56.4	29.4	-27.0	PASS
5437.250000	-56.7	29.7	-27.0	PASS
5440.750000	-56.7	29.7	-27.0	PASS
5415.250000	-56.8	29.8	-27.0	PASS
5389.250000	-56.8	29.8	-27.0	PASS
5436.750000	-57.0	30.0	-27.0	PASS
5406.750000	-57.0	30.0	-27.0	PASS

DUT Frequency: 5745 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
4984.750000	-51.5	24.5	-27.0	PASS
5148.750000	-51.7	24.7	-27.0	PASS
4992.250000	-51.9	24.9	-27.0	PASS
5149.750000	-52.1	25.1	-27.0	PASS
4981.750000	-52.2	25.2	-27.0	PASS
4989.250000	-52.4	25.4	-27.0	PASS
4994.750000	-52.4	25.4	-27.0	PASS
4993.750000	-52.4	25.4	-27.0	PASS
5146.750000	-52.5	25.5	-27.0	PASS
4991.250000	-52.5	25.5	-27.0	PASS
5148.250000	-52.6	25.6	-27.0	PASS
4980.250000	-52.7	25.7	-27.0	PASS
5149.250000	-52.7	25.7	-27.0	PASS
4987.750000	-52.7	25.7	-27.0	PASS
4992.750000	-52.7	25.7	-27.0	PASS

DUT Frequency: 5825 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5418.750000	-56.3	29.3	-27.0	PASS
5367.250000	-56.3	29.3	-27.0	PASS
5447.750000	-56.4	29.4	-27.0	PASS
5444.250000	-56.4	29.4	-27.0	PASS
5447.250000	-56.4	29.4	-27.0	PASS
5366.750000	-56.4	29.4	-27.0	PASS
5419.250000	-56.4	29.4	-27.0	PASS
5380.250000	-56.4	29.4	-27.0	PASS
5430.750000	-56.4	29.4	-27.0	PASS
5437.250000	-56.7	29.7	-27.0	PASS
5440.750000	-56.7	29.7	-27.0	PASS
5415.250000	-56.8	29.8	-27.0	PASS
5389.250000	-56.8	29.8	-27.0	PASS
5436.750000	-57.0	30.0	-27.0	PASS
5406.750000	-57.0	30.0	-27.0	PASS

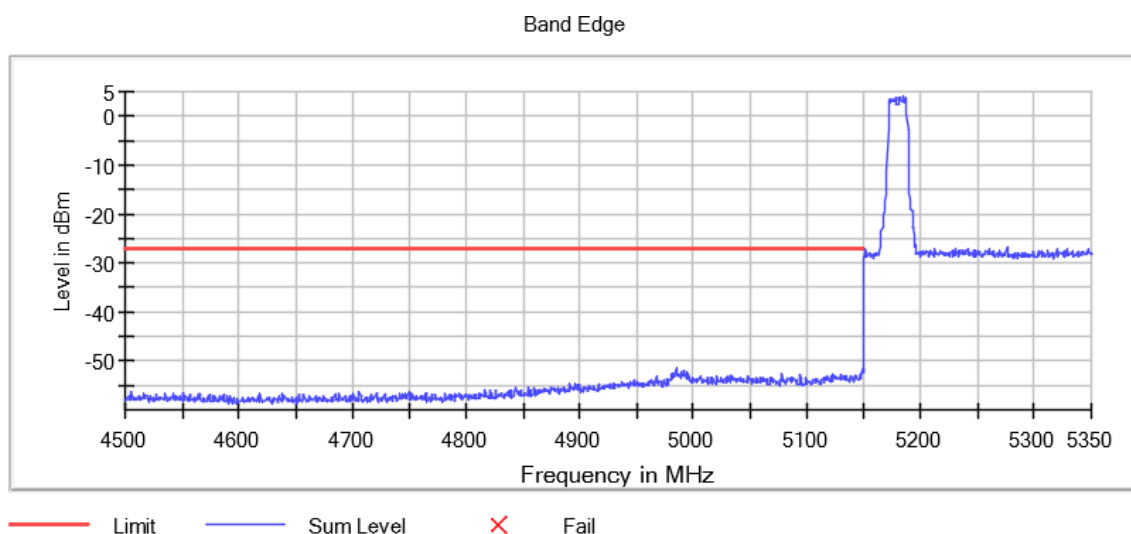
Verdict

Pass

Attachments

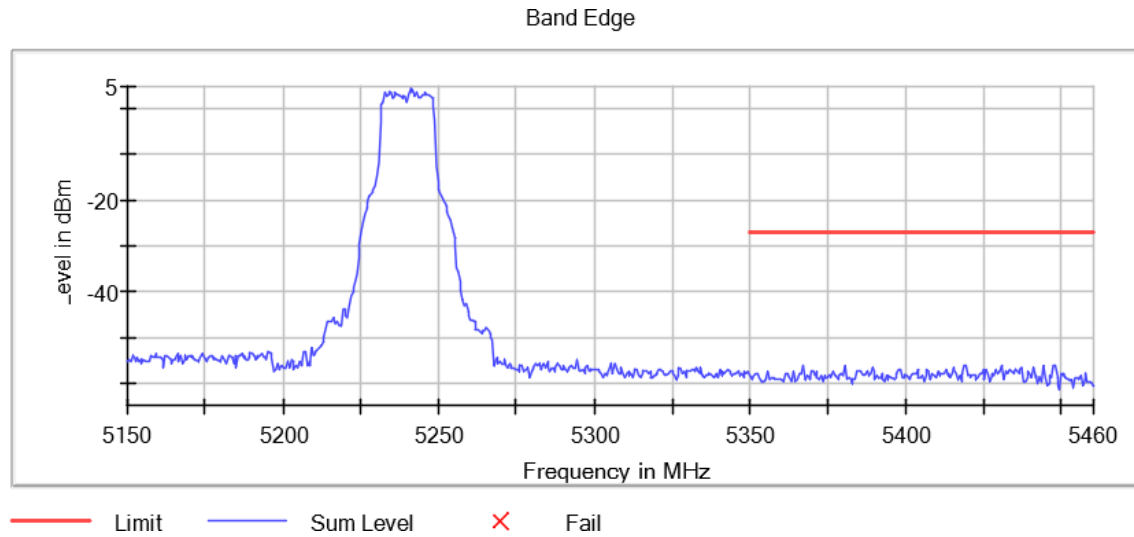
Active Port = 2, Frequency MHz = 5180.00000, Modulation = 802.11a (OFDM 6 Mbit/s), MIMO Mode = SISO, Measurement Point = 1

Images:



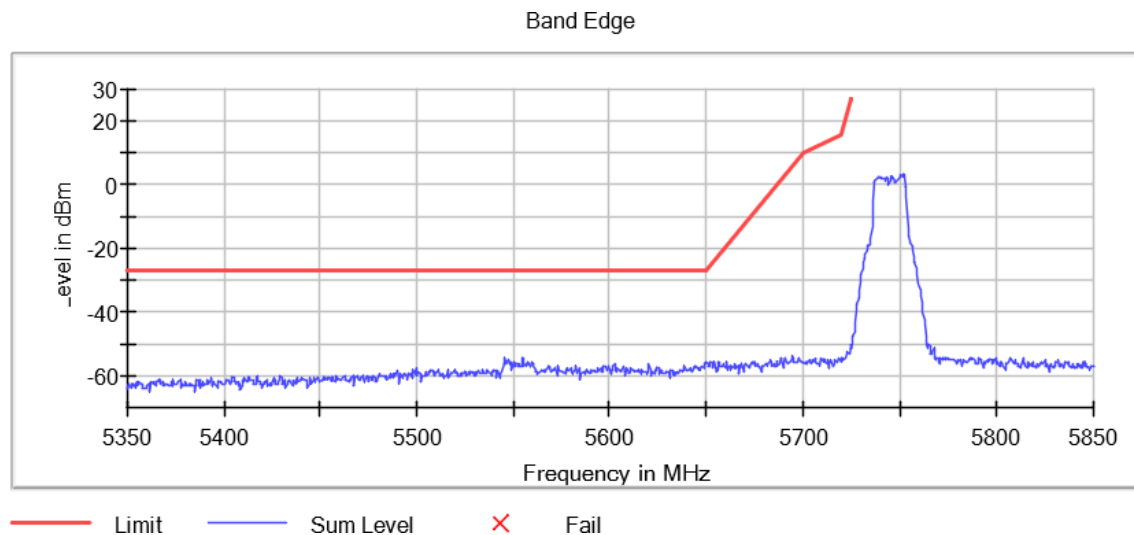
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Images:



Active Port = 2, Frequency MHz = 5745.00000, Modulation = 802.11a (OFDM 6 Mbit/s), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11a (OFDM 6 Mbit/s), MIMO Mode = SISO,
Measurement Point = 1

Images:

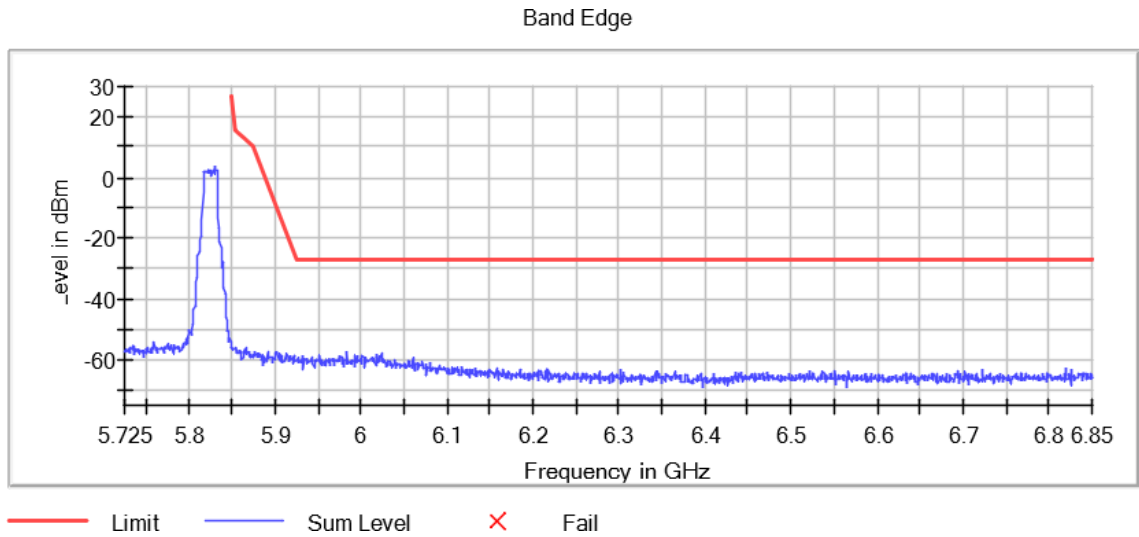


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
Sweptime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11n HT20 (OFDM MCS0)

Results

DUT Frequency: 5180 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-50.5	23.5	-27.0	PASS
5148.250000	-50.6	23.6	-27.0	PASS
5149.250000	-50.7	23.7	-27.0	PASS
5148.750000	-50.9	23.9	-27.0	PASS
5147.750000	-52.1	25.1	-27.0	PASS
5141.750000	-52.1	25.1	-27.0	PASS
5147.250000	-52.2	25.2	-27.0	PASS
4988.750000	-52.3	25.3	-27.0	PASS
4992.750000	-52.4	25.4	-27.0	PASS
4982.750000	-52.4	25.4	-27.0	PASS
4985.750000	-52.4	25.4	-27.0	PASS
4984.750000	-52.4	25.4	-27.0	PASS
5135.250000	-52.5	25.5	-27.0	PASS
5146.250000	-52.5	25.5	-27.0	PASS
4994.750000	-52.5	25.5	-27.0	PASS

DUT Frequency: 5240 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5459.250000	-66.3	39.3	-27.0	PASS
5409.750000	-66.5	39.5	-27.0	PASS
5410.250000	-66.6	39.6	-27.0	PASS
5454.750000	-66.7	39.7	-27.0	PASS
5458.750000	-66.8	39.8	-27.0	PASS
5383.750000	-67.2	40.2	-27.0	PASS
5406.750000	-67.3	40.3	-27.0	PASS
5455.250000	-67.4	40.4	-27.0	PASS
5442.250000	-67.4	40.4	-27.0	PASS
5402.750000	-67.7	40.7	-27.0	PASS
5441.250000	-67.7	40.7	-27.0	PASS
5457.750000	-67.7	40.7	-27.0	PASS
5365.750000	-67.8	40.8	-27.0	PASS
5434.750000	-67.8	40.8	-27.0	PASS
5453.250000	-67.9	40.9	-27.0	PASS

DUT Frequency: 5745 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5459.250000	-66.3	39.3	-27.0	PASS
5409.750000	-66.5	39.5	-27.0	PASS
5410.250000	-66.6	39.6	-27.0	PASS
5454.750000	-66.7	39.7	-27.0	PASS
5458.750000	-66.8	39.8	-27.0	PASS
5383.750000	-67.2	40.2	-27.0	PASS
5406.750000	-67.3	40.3	-27.0	PASS
5455.250000	-67.4	40.4	-27.0	PASS
5442.250000	-67.4	40.4	-27.0	PASS
5402.750000	-67.7	40.7	-27.0	PASS
5441.250000	-67.7	40.7	-27.0	PASS
5457.750000	-67.7	40.7	-27.0	PASS
5365.750000	-67.8	40.8	-27.0	PASS
5434.750000	-67.8	40.8	-27.0	PASS
5453.250000	-67.9	40.9	-27.0	PASS

DUT Frequency: 5825 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5459.250000	-66.3	39.3	-27.0	PASS
5409.750000	-66.5	39.5	-27.0	PASS
5410.250000	-66.6	39.6	-27.0	PASS
5454.750000	-66.7	39.7	-27.0	PASS
5458.750000	-66.8	39.8	-27.0	PASS
5383.750000	-67.2	40.2	-27.0	PASS
5406.750000	-67.3	40.3	-27.0	PASS
5455.250000	-67.4	40.4	-27.0	PASS
5442.250000	-67.4	40.4	-27.0	PASS
5402.750000	-67.7	40.7	-27.0	PASS
5441.250000	-67.7	40.7	-27.0	PASS
5457.750000	-67.7	40.7	-27.0	PASS
5365.750000	-67.8	40.8	-27.0	PASS
5434.750000	-67.8	40.8	-27.0	PASS
5453.250000	-67.9	40.9	-27.0	PASS

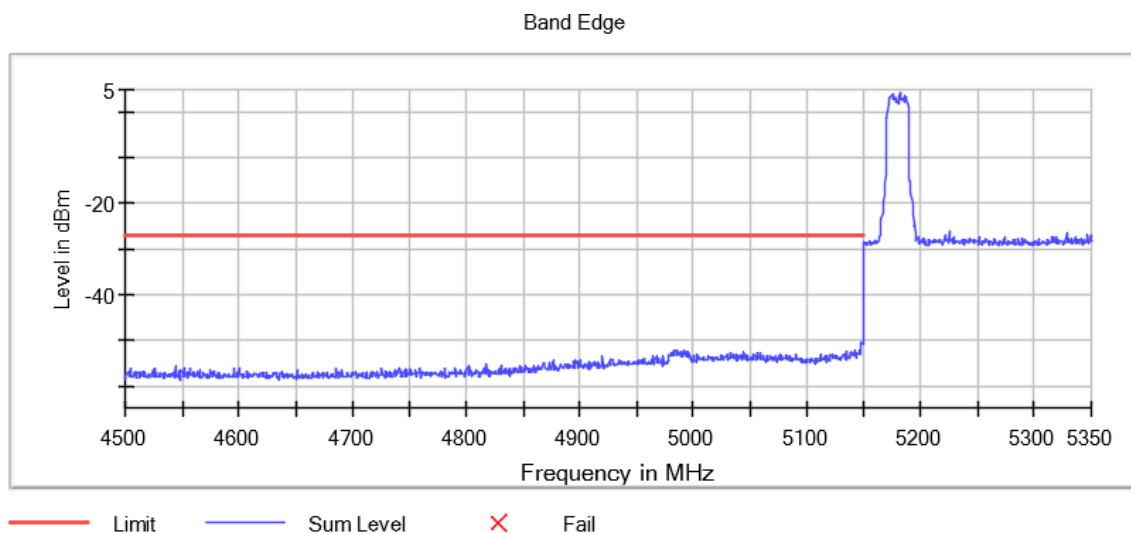
Verdict

Pass

Attachments

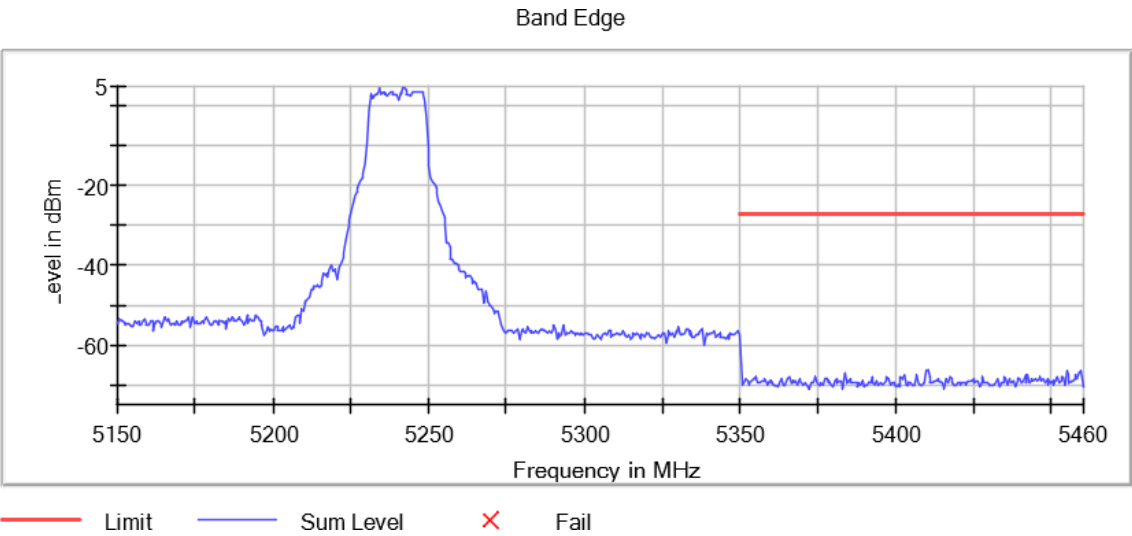
Active Port = 2, Frequency MHz = 5180.00000, Modulation = 802.11n HT20 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



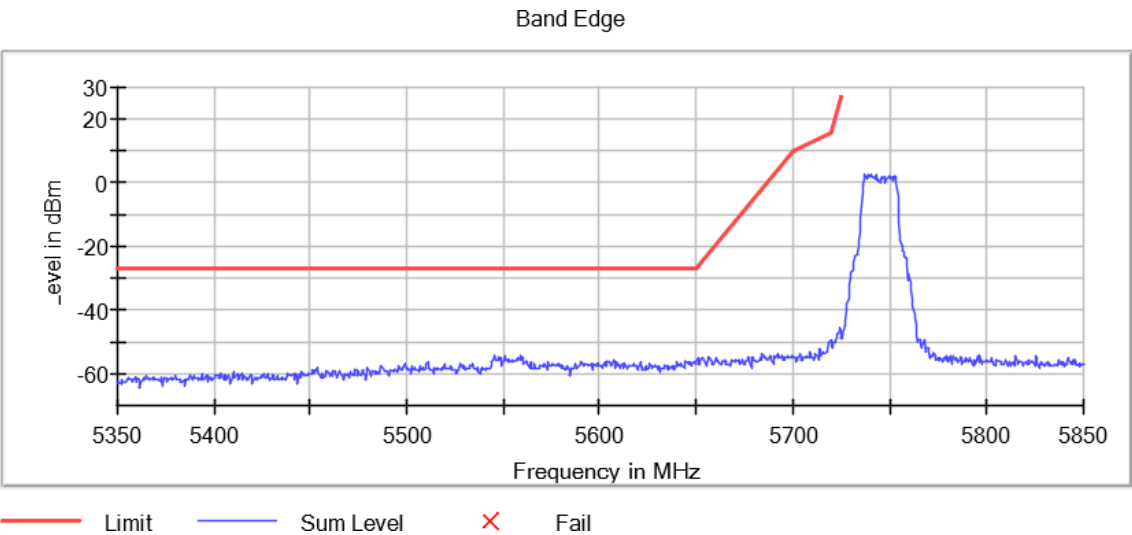
Active Port = 2, Frequency MHz = 5240.00000, Modulation = 802.11n HT20 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5745.00000, Modulation = 802.11n HT20 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11n HT20 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:

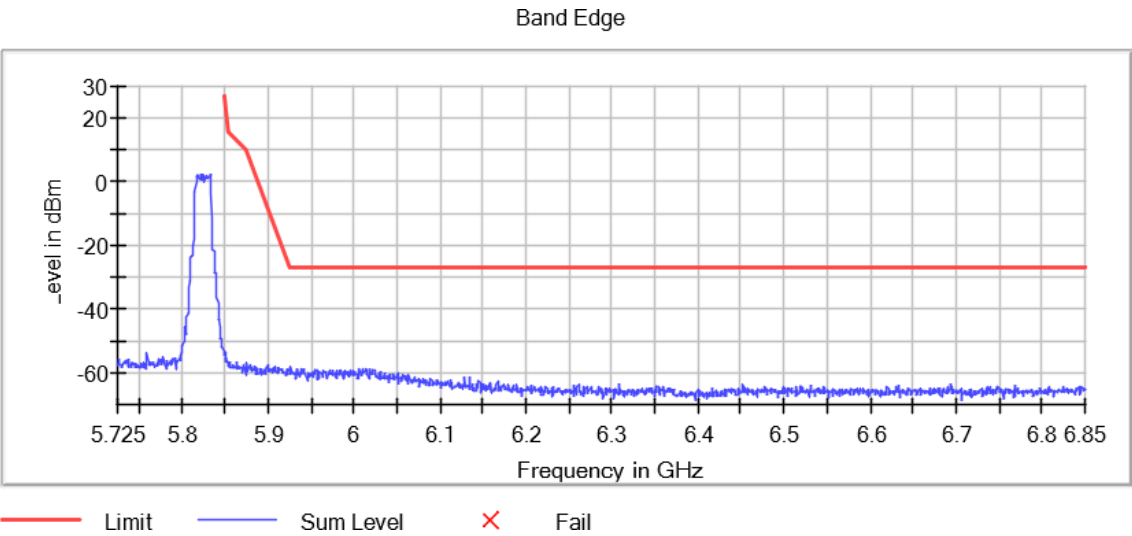


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
SweepTime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11n HT40 (OFDM MCS0)

Results

DUT Frequency: 5190 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.250000	-44.6	17.6	-27.0	PASS
5148.250000	-44.9	17.9	-27.0	PASS
5147.750000	-45.0	18.0	-27.0	PASS
5145.750000	-45.1	18.1	-27.0	PASS
5147.250000	-46.3	19.3	-27.0	PASS
5148.750000	-47.4	20.4	-27.0	PASS
5144.250000	-47.4	20.4	-27.0	PASS
5146.750000	-47.4	20.4	-27.0	PASS
5149.750000	-47.5	20.5	-27.0	PASS
5139.250000	-47.5	20.5	-27.0	PASS
5143.750000	-47.5	20.5	-27.0	PASS
5142.750000	-47.6	20.6	-27.0	PASS
5139.750000	-47.6	20.6	-27.0	PASS
5146.250000	-47.8	20.8	-27.0	PASS
5140.250000	-48.0	21.0	-27.0	PASS

DUT Frequency: 5230 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5382.250000	-55.2	28.2	-27.0	PASS
5365.750000	-55.3	28.3	-27.0	PASS
5365.250000	-55.8	28.8	-27.0	PASS
5367.250000	-55.9	28.9	-27.0	PASS
5373.750000	-56.0	29.0	-27.0	PASS
5363.750000	-56.1	29.1	-27.0	PASS
5368.750000	-56.1	29.1	-27.0	PASS
5367.750000	-56.2	29.2	-27.0	PASS
5363.250000	-56.2	29.2	-27.0	PASS
5362.750000	-56.3	29.3	-27.0	PASS
5356.250000	-56.3	29.3	-27.0	PASS
5382.750000	-56.4	29.4	-27.0	PASS
5369.750000	-56.4	29.4	-27.0	PASS
5374.250000	-56.4	29.4	-27.0	PASS
5352.250000	-56.5	29.5	-27.0	PASS

DUT Frequency: 5755 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5638.250000	-53.9	26.9	-27.0	PASS
5644.750000	-54.1	27.1	-27.0	PASS
5628.750000	-54.4	27.4	-27.0	PASS
5632.750000	-54.5	27.5	-27.0	PASS
5627.750000	-54.5	27.5	-27.0	PASS
5559.250000	-54.6	27.6	-27.0	PASS
5644.250000	-54.7	27.7	-27.0	PASS
5641.250000	-54.7	27.7	-27.0	PASS
5647.750000	-54.7	27.7	-27.0	PASS
5635.250000	-54.7	27.7	-27.0	PASS
5622.250000	-54.7	27.7	-27.0	PASS
5561.750000	-54.7	27.7	-27.0	PASS
5634.750000	-54.8	27.8	-27.0	PASS
5626.750000	-54.8	27.8	-27.0	PASS
5611.750000	-54.8	27.8	-27.0	PASS

DUT Frequency: 5795 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5930.750000	-56.4	29.4	-27.0	PASS
5929.250000	-56.5	29.5	-27.0	PASS
5936.250000	-56.6	29.6	-27.0	PASS
5940.250000	-56.7	29.7	-27.0	PASS
5923.750000	-55.8	29.8	-27.0	PASS
5932.250000	-56.8	29.8	-27.0	PASS
5931.750000	-56.8	29.8	-27.0	PASS
5924.250000	-56.3	29.8	-27.0	PASS
5935.250000	-56.9	29.9	-27.0	PASS
5999.750000	-57.1	30.1	-27.0	PASS
5929.750000	-57.2	30.2	-27.0	PASS
5923.250000	-55.9	30.2	-27.0	PASS
5932.750000	-57.2	30.2	-27.0	PASS
5941.250000	-57.2	30.2	-27.0	PASS
5926.750000	-57.3	30.3	-27.0	PASS

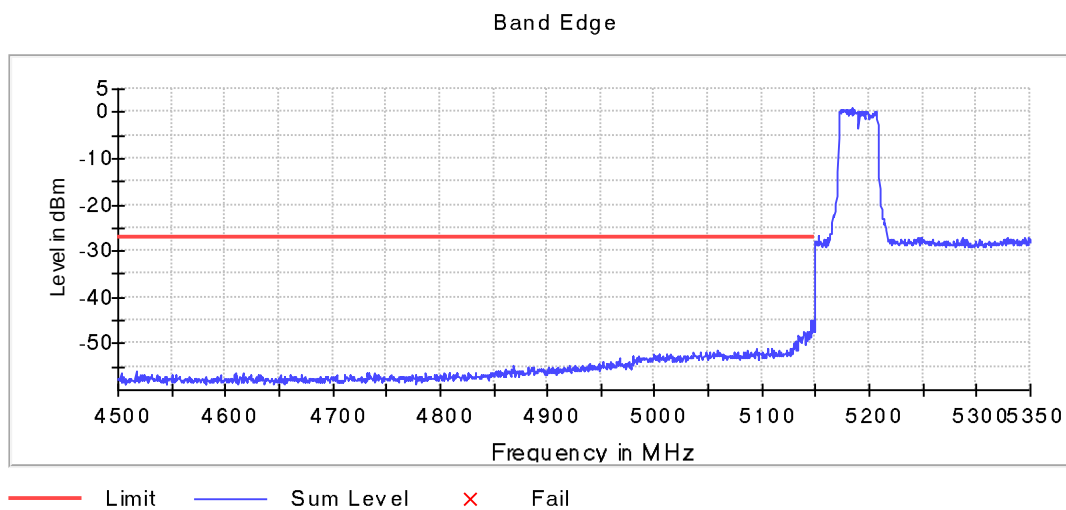
Verdict

Pass

Attachments

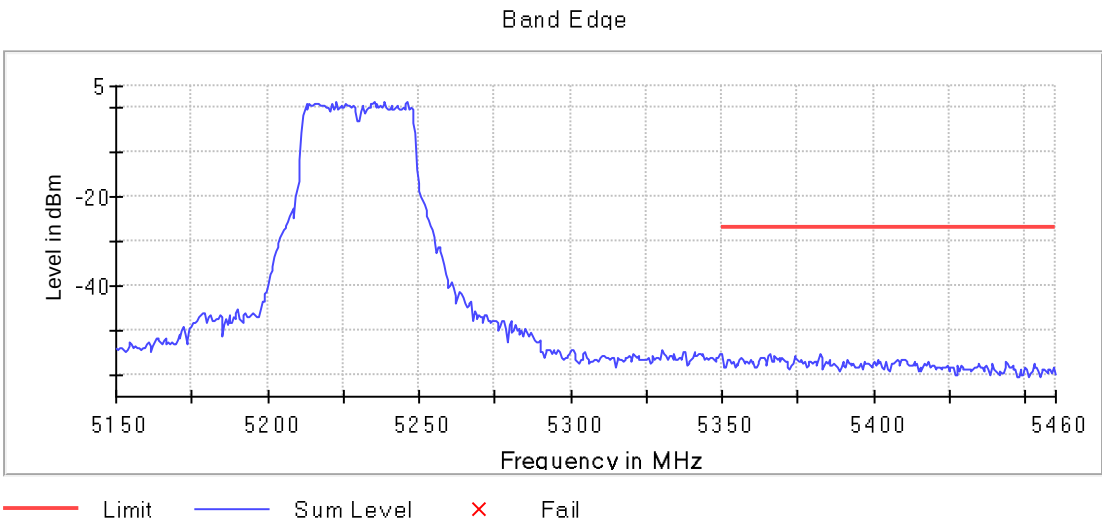
Active Port = 2, Frequency MHz = 5190.00000, 802.11n HT40 (OFDM MCS0), TPC = No, MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



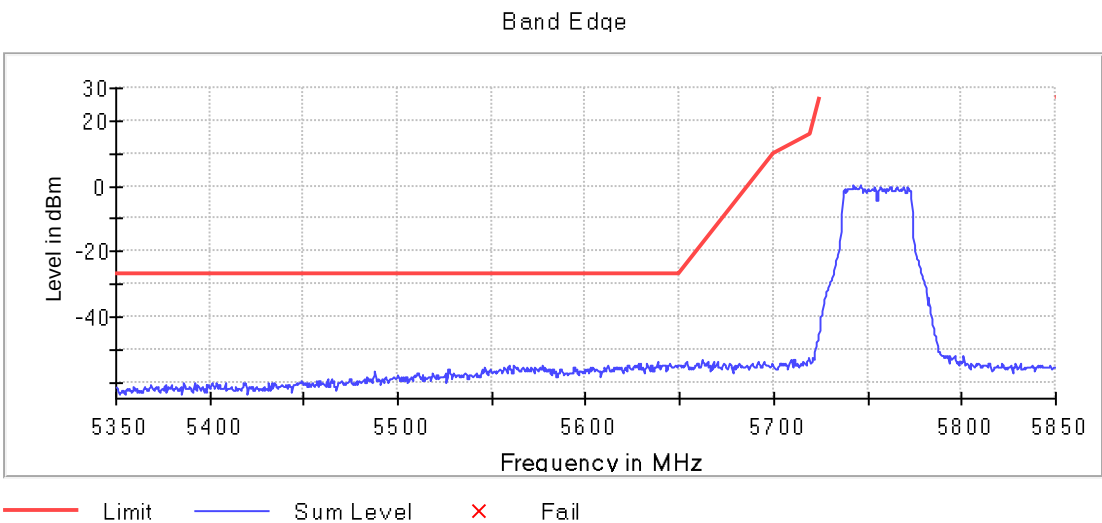
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Images:



Active Port = 2, Frequency MHz = 5755.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No, MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5795.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No, MIMO Mode = SISO, Number of Transmission Chains = 1

Images:

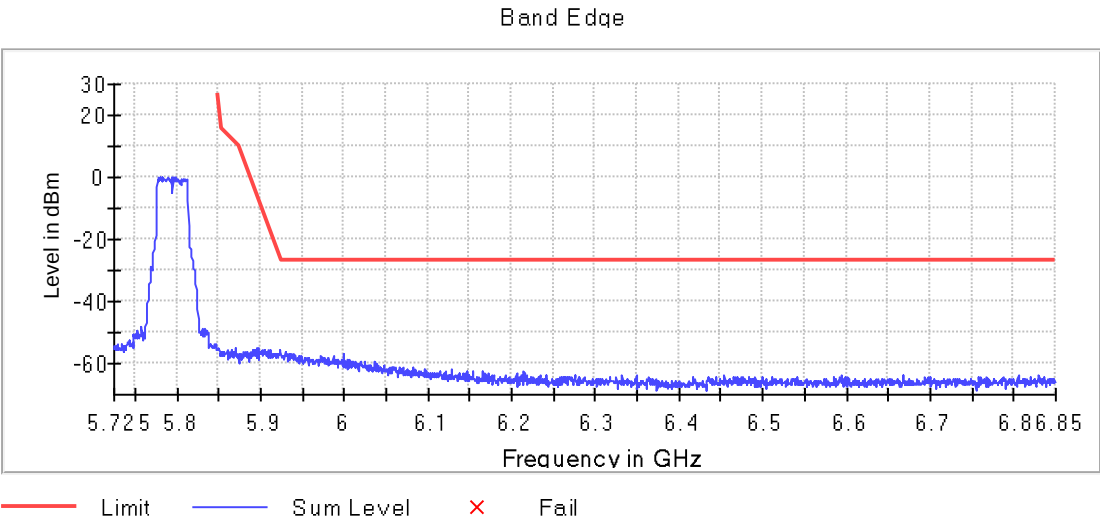


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
SweepTime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11ac VHT20 SS1 (OFDM MCS0)

Results

DUT Frequency: 5180 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
4995.250000	-52.4	25.4	-27.0	PASS
5138.750000	-52.5	25.5	-27.0	PASS
4984.250000	-52.5	25.5	-27.0	PASS
4994.250000	-52.5	25.5	-27.0	PASS
4988.750000	-52.6	25.6	-27.0	PASS
4993.750000	-52.6	25.6	-27.0	PASS
5029.250000	-52.7	25.7	-27.0	PASS
4982.250000	-52.7	25.7	-27.0	PASS
4992.750000	-52.8	25.8	-27.0	PASS
5090.750000	-52.8	25.8	-27.0	PASS
4995.750000	-52.8	25.8	-27.0	PASS
4991.250000	-52.9	25.9	-27.0	PASS
5026.750000	-52.9	25.9	-27.0	PASS
5027.750000	-52.9	25.9	-27.0	PASS
5061.250000	-53.0	26.0	-27.0	PASS

DUT Frequency: 5240 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5450.250000	-55.6	28.6	-27.0	PASS
5382.250000	-56.7	29.7	-27.0	PASS
5408.250000	-56.9	29.9	-27.0	PASS
5369.250000	-56.9	29.9	-27.0	PASS
5450.750000	-57.0	30.0	-27.0	PASS
5377.750000	-57.1	30.1	-27.0	PASS
5368.750000	-57.1	30.1	-27.0	PASS
5363.750000	-57.2	30.2	-27.0	PASS
5381.750000	-57.2	30.2	-27.0	PASS
5375.250000	-57.2	30.2	-27.0	PASS

DUT Frequency: 5745 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
4995.250000	-52.4	25.4	-27.0	PASS
5138.750000	-52.5	25.5	-27.0	PASS
4984.250000	-52.5	25.5	-27.0	PASS
4994.250000	-52.5	25.5	-27.0	PASS
4988.750000	-52.6	25.6	-27.0	PASS
4993.750000	-52.6	25.6	-27.0	PASS
5029.250000	-52.7	25.7	-27.0	PASS
4982.250000	-52.7	25.7	-27.0	PASS
4992.750000	-52.8	25.8	-27.0	PASS
5090.750000	-52.8	25.8	-27.0	PASS
4995.750000	-52.8	25.8	-27.0	PASS
4991.250000	-52.9	25.9	-27.0	PASS
5026.750000	-52.9	25.9	-27.0	PASS
5027.750000	-52.9	25.9	-27.0	PASS
5061.250000	-53.0	26.0	-27.0	PASS

DUT Frequency: 5825 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5450.250000	-55.6	28.6	-27.0	PASS
5382.250000	-56.7	29.7	-27.0	PASS
5408.250000	-56.9	29.9	-27.0	PASS
5369.250000	-56.9	29.9	-27.0	PASS
5450.750000	-57.0	30.0	-27.0	PASS
5377.750000	-57.1	30.1	-27.0	PASS
5368.750000	-57.1	30.1	-27.0	PASS
5363.750000	-57.2	30.2	-27.0	PASS
5381.750000	-57.2	30.2	-27.0	PASS
5375.250000	-57.2	30.2	-27.0	PASS
5370.250000	-57.2	30.2	-27.0	PASS
5377.250000	-57.3	30.3	-27.0	PASS
5410.250000	-57.3	30.3	-27.0	PASS
5403.750000	-57.3	30.3	-27.0	PASS
5426.250000	-57.3	30.3	-27.0	PASS

Verdict

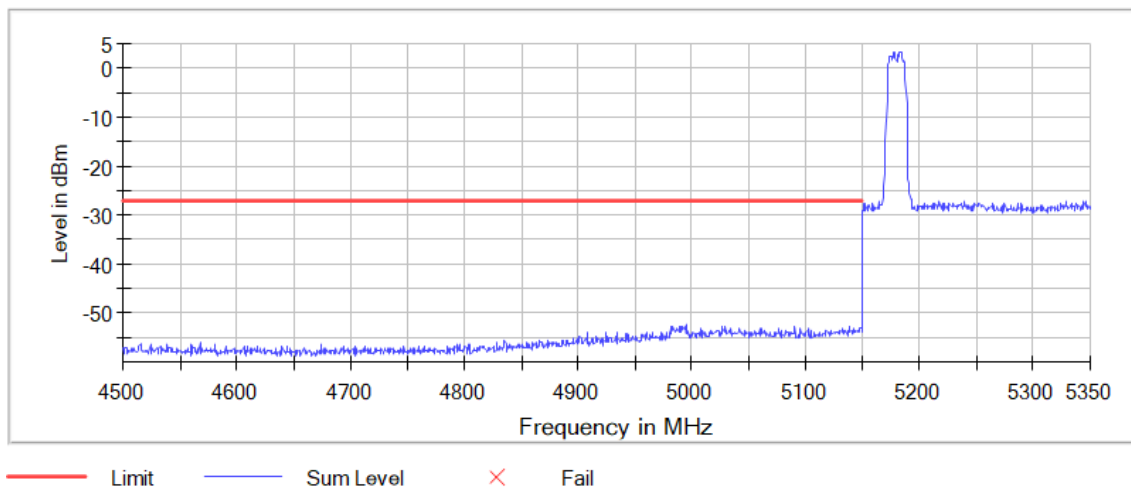
Pass

Attachments

Active Port = 2, Frequency MHz = 5180.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

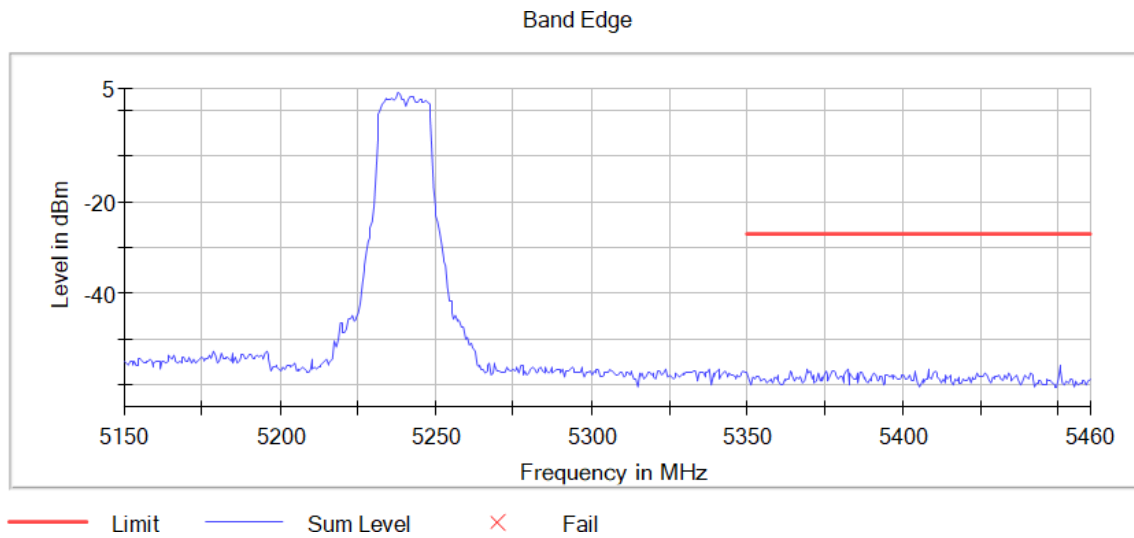
Images:

Band Edge



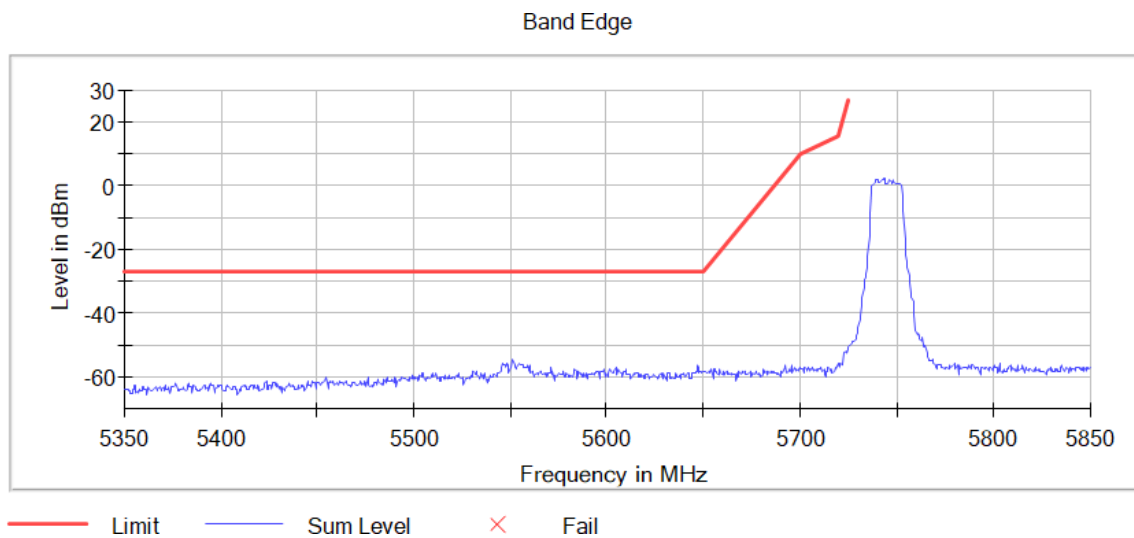
Active Port = 2, Frequency MHz = 5240.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5745.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:

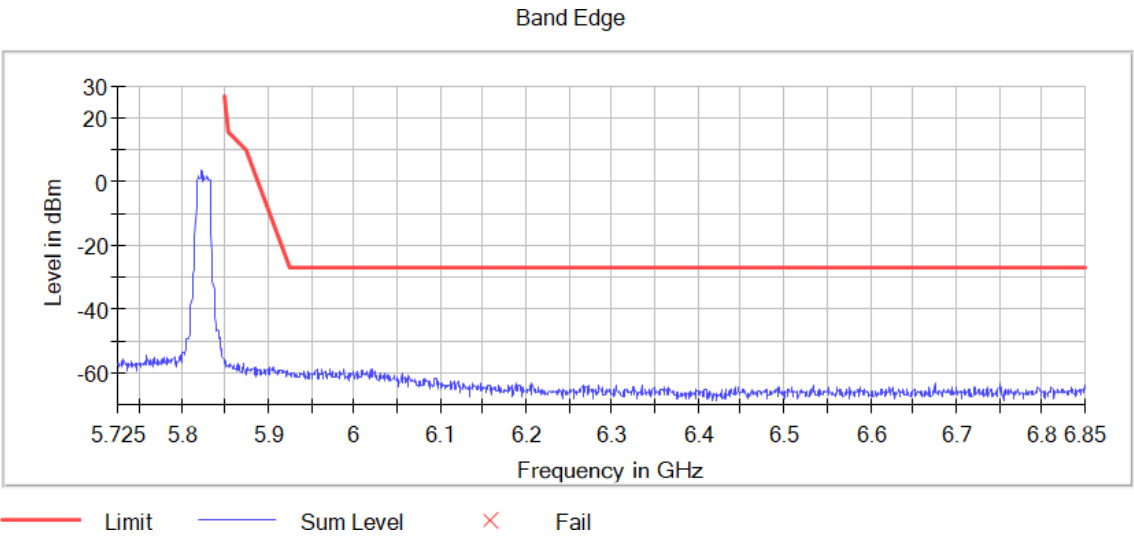


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
Sweptime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

Results

DUT Frequency: 5190 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-40.4	13.4	-27.0	PASS
5147.750000	-42.0	15.0	-27.0	PASS
5148.750000	-42.3	15.3	-27.0	PASS
5147.250000	-42.4	15.4	-27.0	PASS
5149.250000	-42.4	15.4	-27.0	PASS
5148.250000	-42.5	15.5	-27.0	PASS
5146.750000	-42.7	15.7	-27.0	PASS
5146.250000	-42.9	15.9	-27.0	PASS
5145.750000	-43.4	16.4	-27.0	PASS
5144.250000	-43.8	16.8	-27.0	PASS
5144.750000	-44.1	17.1	-27.0	PASS
5143.750000	-44.3	17.3	-27.0	PASS
5145.250000	-44.3	17.3	-27.0	PASS
5141.250000	-44.6	17.6	-27.0	PASS
5142.250000	-44.8	17.8	-27.0	PASS

DUT Frequency: 5230 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5376.750000	-53.2	26.2	-27.0	PASS
5366.750000	-53.5	26.5	-27.0	PASS
5363.250000	-53.5	26.5	-27.0	PASS
5354.750000	-53.8	26.8	-27.0	PASS
5357.750000	-53.9	26.9	-27.0	PASS
5356.750000	-54.0	27.0	-27.0	PASS
5350.250000	-54.0	27.0	-27.0	PASS
5367.250000	-54.1	27.1	-27.0	PASS
5363.750000	-54.1	27.1	-27.0	PASS
5355.250000	-54.1	27.1	-27.0	PASS
5408.250000	-54.1	27.1	-27.0	PASS
5364.250000	-54.3	27.3	-27.0	PASS
5378.250000	-54.3	27.3	-27.0	PASS
5357.250000	-54.3	27.3	-27.0	PASS
5355.750000	-54.3	27.3	-27.0	PASS

DUT Frequency: 5755 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-40.4	13.4	-27.0	PASS
5147.750000	-42.0	15.0	-27.0	PASS
5148.750000	-42.3	15.3	-27.0	PASS
5147.250000	-42.4	15.4	-27.0	PASS
5149.250000	-42.4	15.4	-27.0	PASS
5148.250000	-42.5	15.5	-27.0	PASS
5146.750000	-42.7	15.7	-27.0	PASS
5146.250000	-42.9	15.9	-27.0	PASS
5145.750000	-43.4	16.4	-27.0	PASS
5144.250000	-43.8	16.8	-27.0	PASS
5144.750000	-44.1	17.1	-27.0	PASS
5143.750000	-44.3	17.3	-27.0	PASS
5145.250000	-44.3	17.3	-27.0	PASS
5141.250000	-44.6	17.6	-27.0	PASS
5142.250000	-44.8	17.8	-27.0	PASS

DUT Frequency: 5795 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5376.750000	-53.2	26.2	-27.0	PASS
5366.750000	-53.5	26.5	-27.0	PASS
5363.250000	-53.5	26.5	-27.0	PASS
5354.750000	-53.8	26.8	-27.0	PASS
5357.750000	-53.9	26.9	-27.0	PASS
5356.750000	-54.0	27.0	-27.0	PASS
5350.250000	-54.0	27.0	-27.0	PASS
5367.250000	-54.1	27.1	-27.0	PASS
5363.750000	-54.1	27.1	-27.0	PASS
5355.250000	-54.1	27.1	-27.0	PASS
5408.250000	-54.1	27.1	-27.0	PASS
5364.250000	-54.3	27.3	-27.0	PASS
5378.250000	-54.3	27.3	-27.0	PASS
5357.250000	-54.3	27.3	-27.0	PASS
5355.750000	-54.3	27.3	-27.0	PASS

Verdict

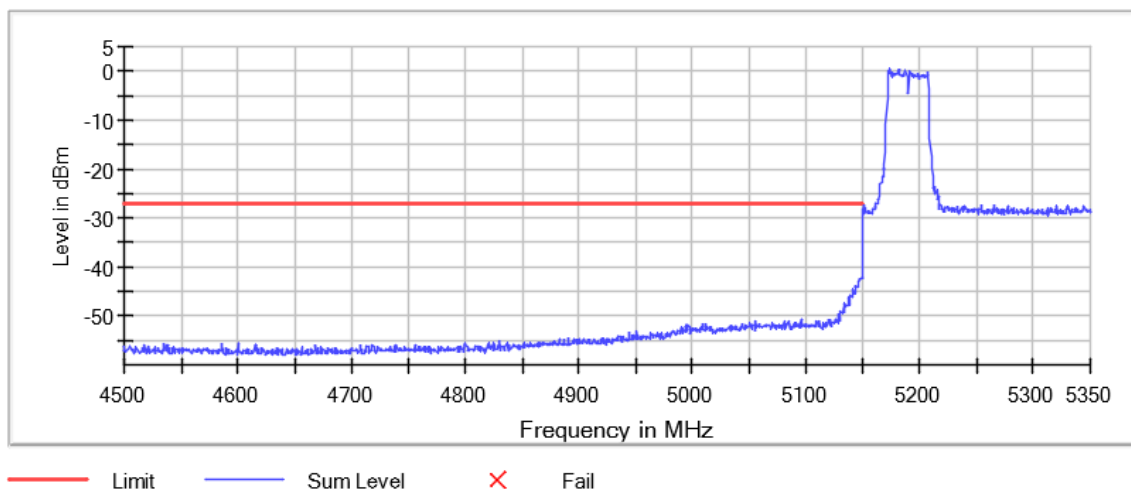
Pass

Attachments

Active Port = 2, Frequency MHz = 5190.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

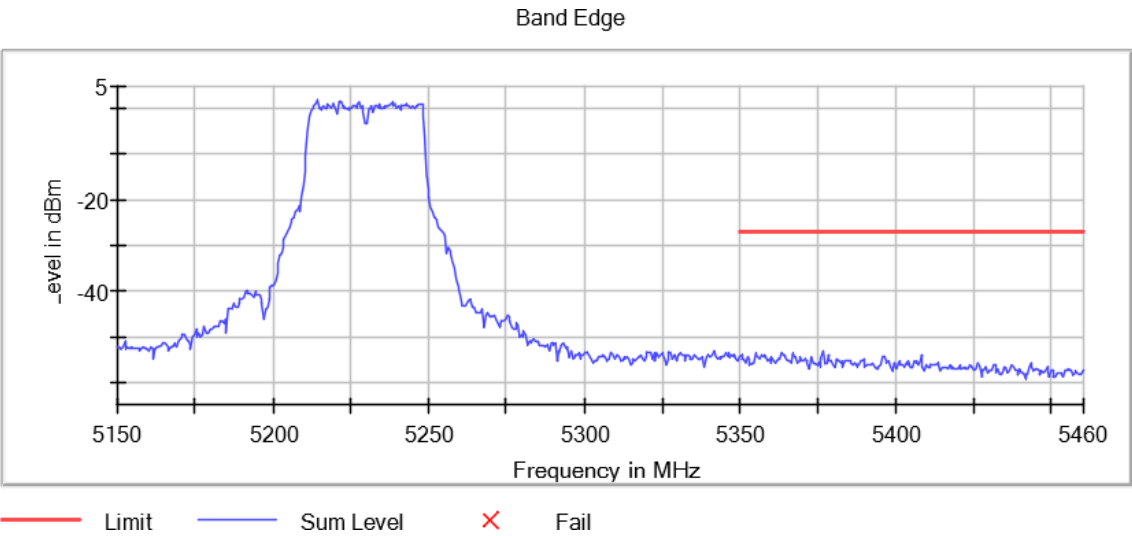
Images:

Band Edge



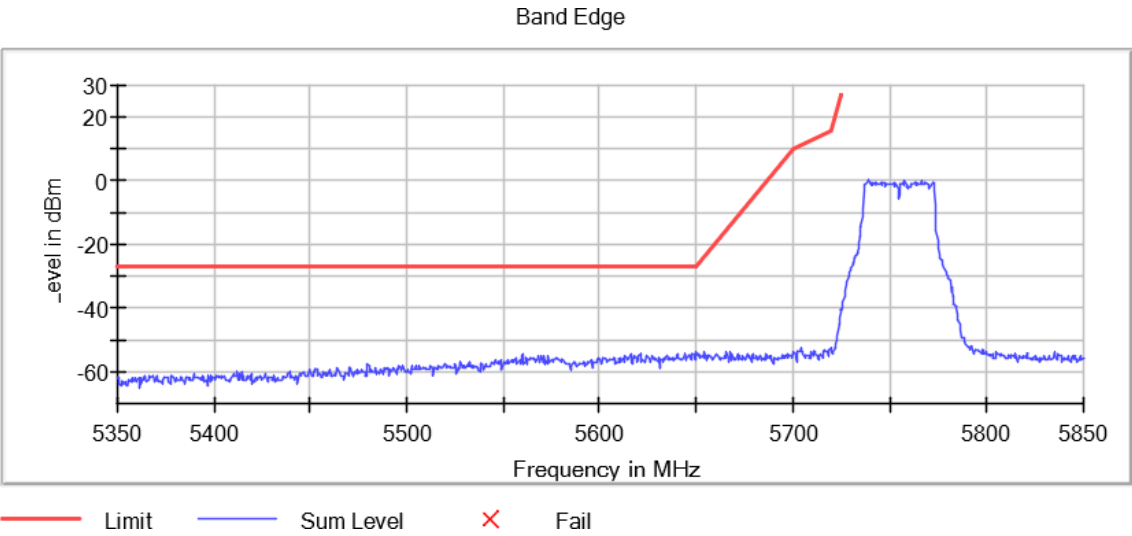
Active Port = 2, Frequency MHz = 5230.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5755.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5795.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:

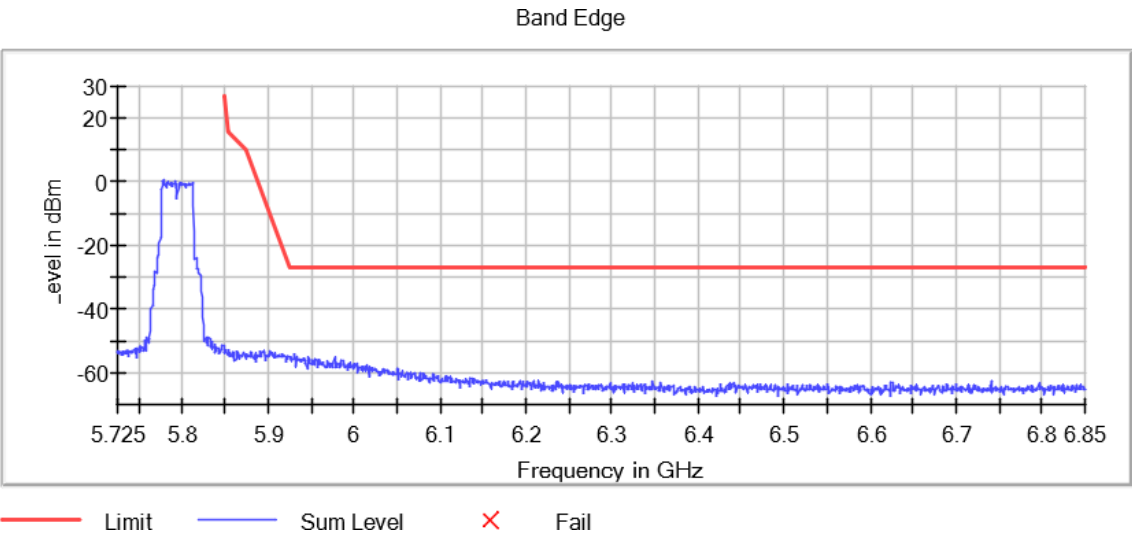


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
Sweptime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11ac VHT80 SS1 (OFDM MCS0)

Results

DUT Frequency: 5210 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
4979.250000	-47.2	20.2	-27.0	PASS
4979.750000	-47.4	20.4	-27.0	PASS
4980.250000	-48.1	21.1	-27.0	PASS
4980.750000	-48.3	21.3	-27.0	PASS
5020.750000	-48.5	21.5	-27.0	PASS
5148.750000	-48.6	21.6	-27.0	PASS
5020.250000	-48.8	21.8	-27.0	PASS
5149.750000	-48.8	21.8	-27.0	PASS
5018.750000	-49.0	22.0	-27.0	PASS
5018.250000	-49.1	22.1	-27.0	PASS
5095.250000	-49.4	22.4	-27.0	PASS
5134.250000	-49.4	22.4	-27.0	PASS
5019.250000	-49.5	22.5	-27.0	PASS
5019.750000	-49.6	22.6	-27.0	PASS
5021.750000	-49.6	22.6	-27.0	PASS

DUT Frequency: 5775 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-41.1	14.1	-27.0	PASS
5149.250000	-41.4	14.4	-27.0	PASS
5145.750000	-41.5	14.5	-27.0	PASS
5146.250000	-41.6	14.6	-27.0	PASS
5147.750000	-41.8	14.8	-27.0	PASS
5148.750000	-41.8	14.8	-27.0	PASS
5147.250000	-41.9	14.9	-27.0	PASS
5145.250000	-41.9	14.9	-27.0	PASS
5148.250000	-42.1	15.1	-27.0	PASS
5146.750000	-42.2	15.2	-27.0	PASS
5143.750000	-42.6	15.6	-27.0	PASS
5144.750000	-42.6	15.6	-27.0	PASS
5144.250000	-42.6	15.6	-27.0	PASS
5139.750000	-42.7	15.7	-27.0	PASS
5143.250000	-42.8	15.8	-27.0	PASS

Verdict

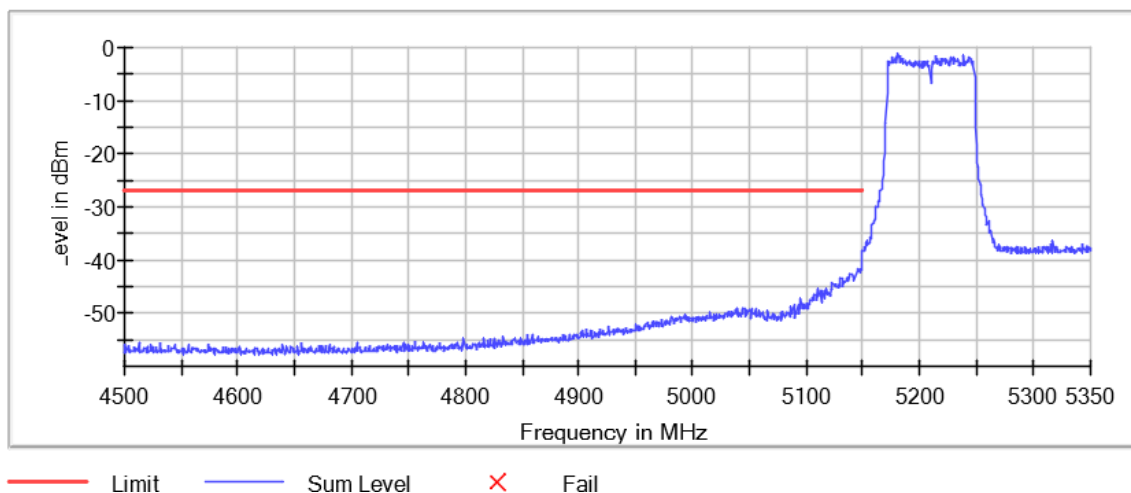
Pass

Attachments

Active Port = 2, Frequency MHz = 5210.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

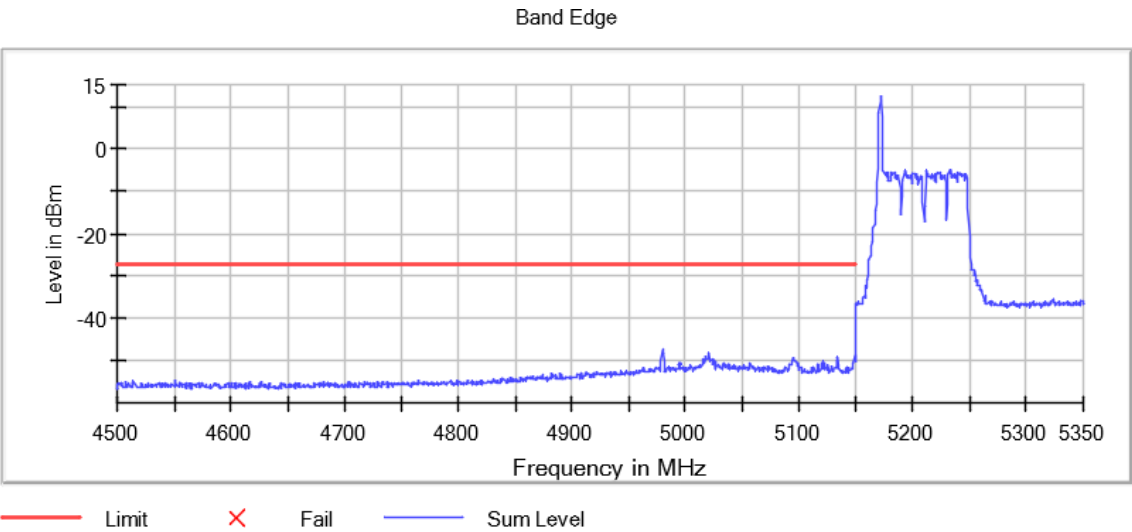
Images:

Band Edge



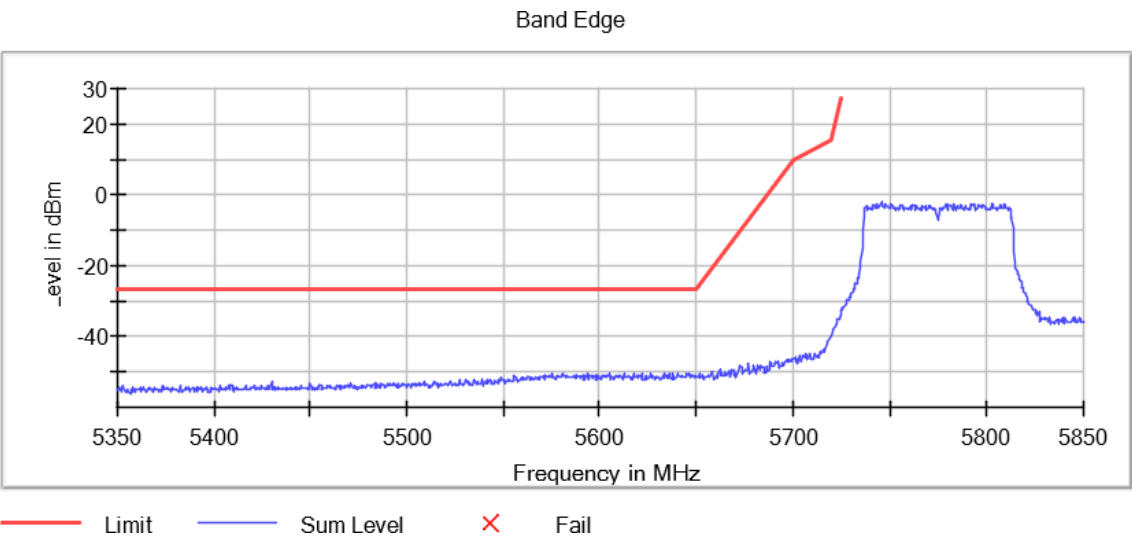
Active Port = 2, Frequency MHz = 5210.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Start Frequency	5.15000 GHz	5.15000 GHz
Stop Frequency	5.35000 GHz	5.35000 GHz
Span	200.000 MHz	200.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	400	~ 400
SweepTime	40.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	9 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.41 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11ax HE20 (OFDMA MCS0) – Full RU

Results

DUT Frequency: 5180 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-42.0	15.0	-27.0	PASS
5149.250000	-42.8	15.8	-27.0	PASS
5148.750000	-43.0	16.0	-27.0	PASS
5148.250000	-43.9	16.9	-27.0	PASS
5147.750000	-44.1	17.1	-27.0	PASS
5147.250000	-44.5	17.5	-27.0	PASS
5146.750000	-45.0	18.0	-27.0	PASS
5146.250000	-45.7	18.7	-27.0	PASS
5145.750000	-46.0	19.0	-27.0	PASS
5145.250000	-46.4	19.4	-27.0	PASS
5144.750000	-46.7	19.7	-27.0	PASS
5144.250000	-47.6	20.6	-27.0	PASS
5143.750000	-49.0	22.0	-27.0	PASS
5142.750000	-49.3	22.3	-27.0	PASS
5143.250000	-49.4	22.4	-27.0	PASS

DUT Frequency: 5240 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5354.750000	-52.3	25.3	-27.0	PASS
5433.750000	-52.6	25.6	-27.0	PASS
5353.750000	-52.8	25.8	-27.0	PASS
5354.250000	-52.8	25.8	-27.0	PASS
5375.250000	-52.9	25.9	-27.0	PASS
5441.250000	-52.9	25.9	-27.0	PASS
5408.250000	-53.0	26.0	-27.0	PASS
5370.750000	-53.0	26.0	-27.0	PASS
5380.750000	-53.0	26.0	-27.0	PASS
5419.250000	-53.1	26.1	-27.0	PASS
5397.750000	-53.1	26.1	-27.0	PASS
5411.250000	-53.1	26.1	-27.0	PASS
5366.750000	-53.2	26.2	-27.0	PASS
5350.750000	-53.2	26.2	-27.0	PASS
5427.250000	-53.2	26.2	-27.0	PASS

DUT Frequency: 5745 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-42.0	15.0	-27.0	PASS
5149.250000	-42.8	15.8	-27.0	PASS
5148.750000	-43.0	16.0	-27.0	PASS
5148.250000	-43.9	16.9	-27.0	PASS
5147.750000	-44.1	17.1	-27.0	PASS
5147.250000	-44.5	17.5	-27.0	PASS
5146.750000	-45.0	18.0	-27.0	PASS
5146.250000	-45.7	18.7	-27.0	PASS
5145.750000	-46.0	19.0	-27.0	PASS
5145.250000	-46.4	19.4	-27.0	PASS
5144.750000	-46.7	19.7	-27.0	PASS
5144.250000	-47.6	20.6	-27.0	PASS
5143.750000	-49.0	22.0	-27.0	PASS
5142.750000	-49.3	22.3	-27.0	PASS
5143.250000	-49.4	22.4	-27.0	PASS

DUT Frequency: 5825 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5354.750000	-52.3	25.3	-27.0	PASS
5433.750000	-52.6	25.6	-27.0	PASS
5353.750000	-52.8	25.8	-27.0	PASS
5354.250000	-52.8	25.8	-27.0	PASS
5375.250000	-52.9	25.9	-27.0	PASS
5441.250000	-52.9	25.9	-27.0	PASS
5408.250000	-53.0	26.0	-27.0	PASS
5370.750000	-53.0	26.0	-27.0	PASS
5380.750000	-53.0	26.0	-27.0	PASS
5419.250000	-53.1	26.1	-27.0	PASS
5397.750000	-53.1	26.1	-27.0	PASS
5411.250000	-53.1	26.1	-27.0	PASS
5366.750000	-53.2	26.2	-27.0	PASS
5350.750000	-53.2	26.2	-27.0	PASS
5427.250000	-53.2	26.2	-27.0	PASS

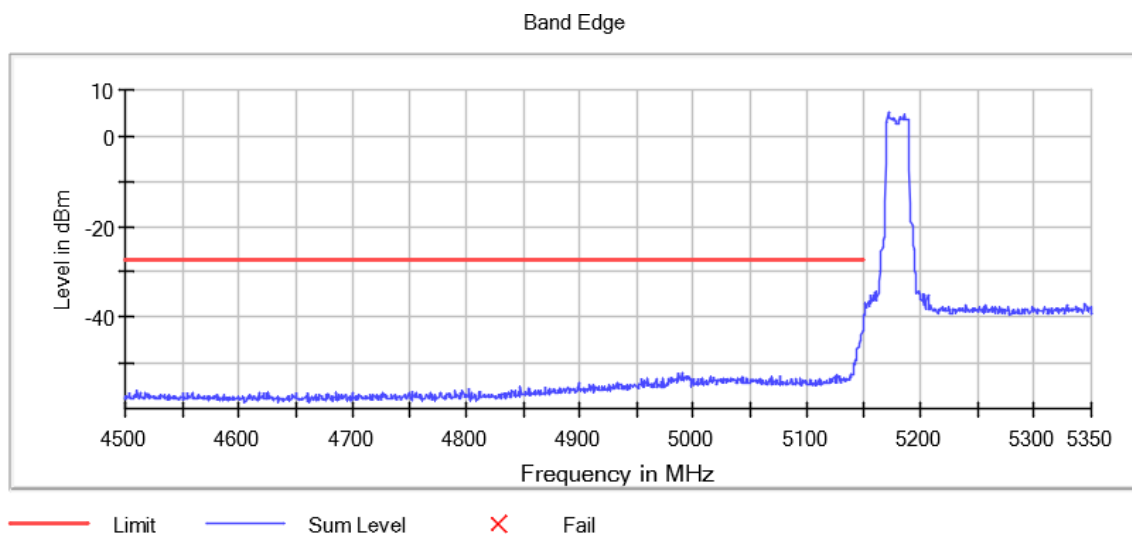
Verdict

Pass

Attachments

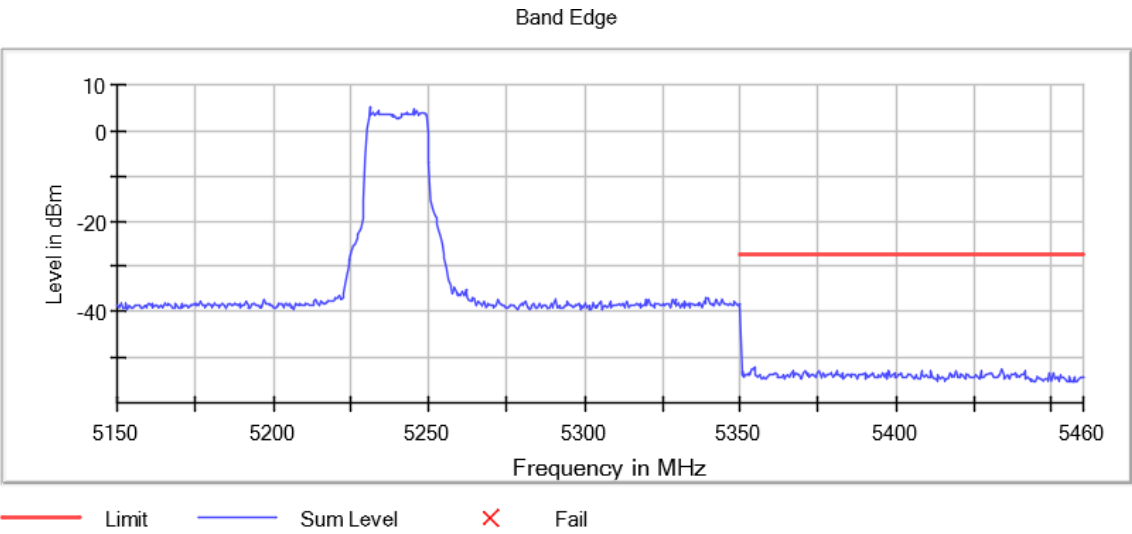
Active Port = 2, Frequency MHz = 5180.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



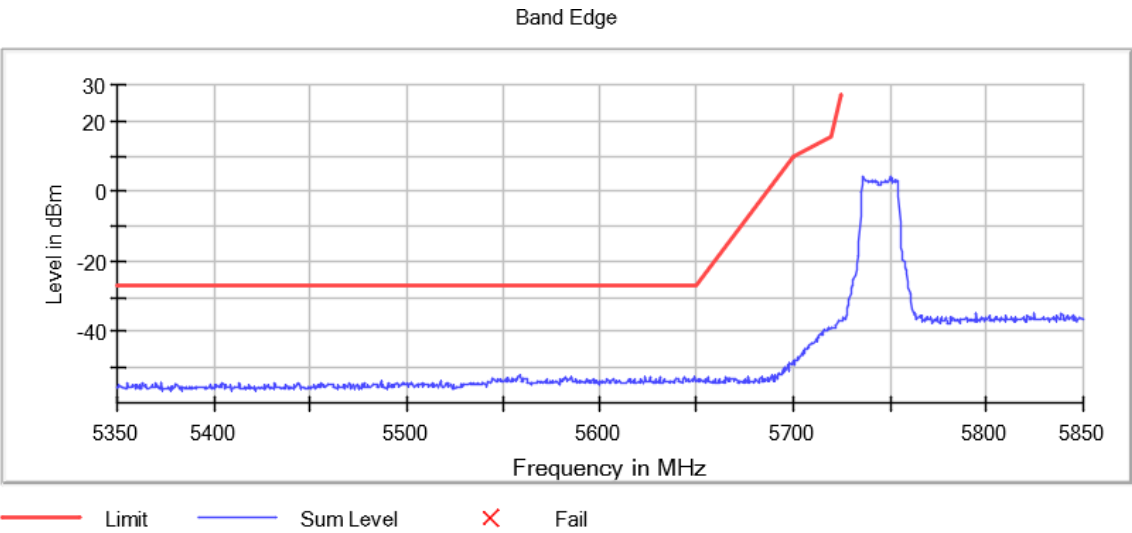
Active Port = 2, Frequency MHz = 5240.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5745.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:

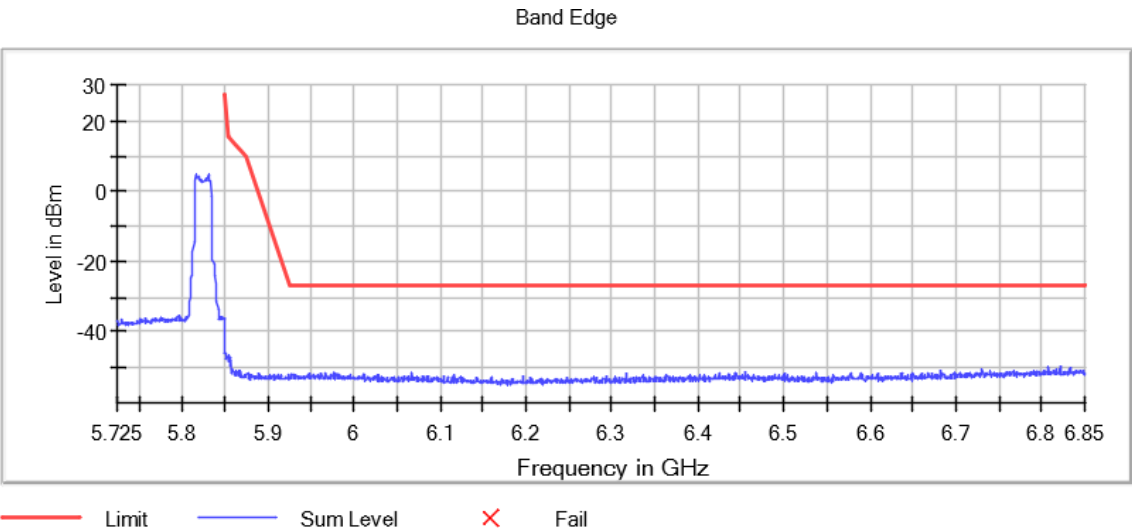


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
Sweptime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11ax HE20 (OFDMA MCS0) – Partial RU

Results

DUT Frequency: 5180 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
4980.250000	-49.7	22.7	-27.0	PASS
4979.750000	-50.2	23.2	-27.0	PASS
4979.250000	-50.3	23.3	-27.0	PASS
4978.750000	-50.8	23.8	-27.0	PASS
4978.250000	-51.9	24.9	-27.0	PASS
4980.750000	-52.3	25.3	-27.0	PASS
5135.750000	-53.4	26.4	-27.0	PASS
5135.250000	-53.4	26.4	-27.0	PASS
5130.250000	-53.5	26.5	-27.0	PASS
5146.750000	-53.9	26.9	-27.0	PASS
5142.750000	-54.0	27.0	-27.0	PASS
5149.750000	-54.0	27.0	-27.0	PASS
4989.250000	-54.0	27.0	-27.0	PASS
5147.250000	-54.0	27.0	-27.0	PASS
5123.250000	-54.0	27.0	-27.0	PASS

DUT Frequency: 5240 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5440.250000	-53.9	26.9	-27.0	PASS
5439.750000	-54.1	27.1	-27.0	PASS
5441.250000	-55.1	28.1	-27.0	PASS
5440.750000	-55.1	28.1	-27.0	PASS
5389.750000	-56.2	29.2	-27.0	PASS
5439.250000	-56.4	29.4	-27.0	PASS
5414.750000	-56.5	29.5	-27.0	PASS
5401.750000	-56.5	29.5	-27.0	PASS
5401.250000	-56.6	29.6	-27.0	PASS
5454.250000	-56.8	29.8	-27.0	PASS
5424.250000	-56.9	29.9	-27.0	PASS
5423.750000	-57.0	30.0	-27.0	PASS
5441.750000	-57.2	30.2	-27.0	PASS
5415.250000	-57.2	30.2	-27.0	PASS
5411.750000	-57.4	30.4	-27.0	PASS

DUT Frequency: 5745 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
4980.250000	-49.7	22.7	-27.0	PASS
4979.750000	-50.2	23.2	-27.0	PASS
4979.250000	-50.3	23.3	-27.0	PASS
4978.750000	-50.8	23.8	-27.0	PASS
4978.250000	-51.9	24.9	-27.0	PASS
4980.750000	-52.3	25.3	-27.0	PASS
5135.750000	-53.4	26.4	-27.0	PASS
5135.250000	-53.4	26.4	-27.0	PASS
5130.250000	-53.5	26.5	-27.0	PASS
5146.750000	-53.9	26.9	-27.0	PASS
5142.750000	-54.0	27.0	-27.0	PASS
5149.750000	-54.0	27.0	-27.0	PASS
4989.250000	-54.0	27.0	-27.0	PASS
5147.250000	-54.0	27.0	-27.0	PASS
5123.250000	-54.0	27.0	-27.0	PASS

DUT Frequency: 5825 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5440.250000	-53.9	26.9	-27.0	PASS
5439.750000	-54.1	27.1	-27.0	PASS
5441.250000	-55.1	28.1	-27.0	PASS
5440.750000	-55.1	28.1	-27.0	PASS
5389.750000	-56.2	29.2	-27.0	PASS
5439.250000	-56.4	29.4	-27.0	PASS
5414.750000	-56.5	29.5	-27.0	PASS
5401.750000	-56.5	29.5	-27.0	PASS
5401.250000	-56.6	29.6	-27.0	PASS
5454.250000	-56.8	29.8	-27.0	PASS
5424.250000	-56.9	29.9	-27.0	PASS
5423.750000	-57.0	30.0	-27.0	PASS
5441.750000	-57.2	30.2	-27.0	PASS
5415.250000	-57.2	30.2	-27.0	PASS
5411.750000	-57.4	30.4	-27.0	PASS

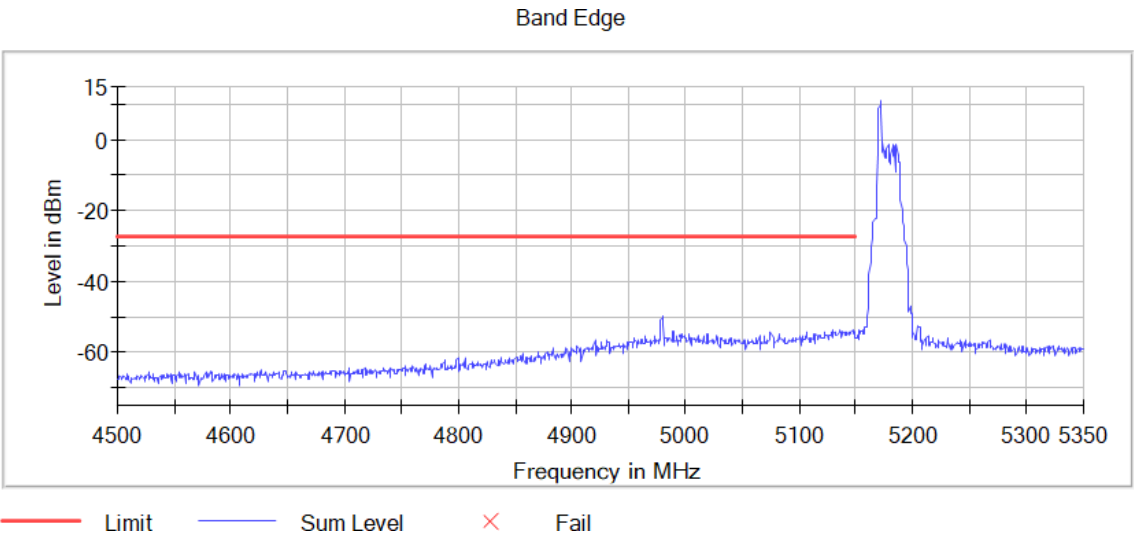
Verdict

Pass

Attachments

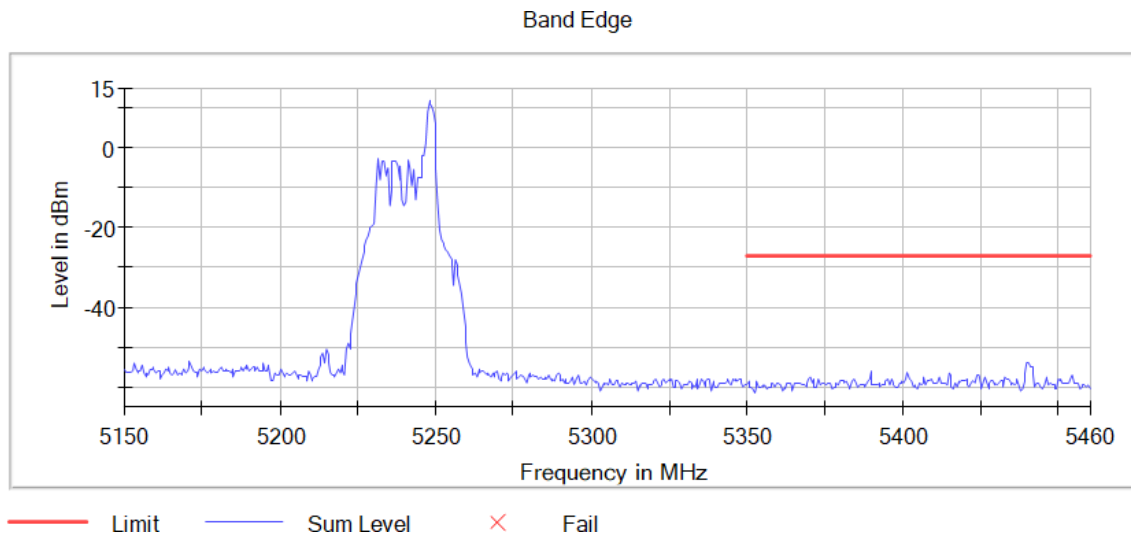
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Images:



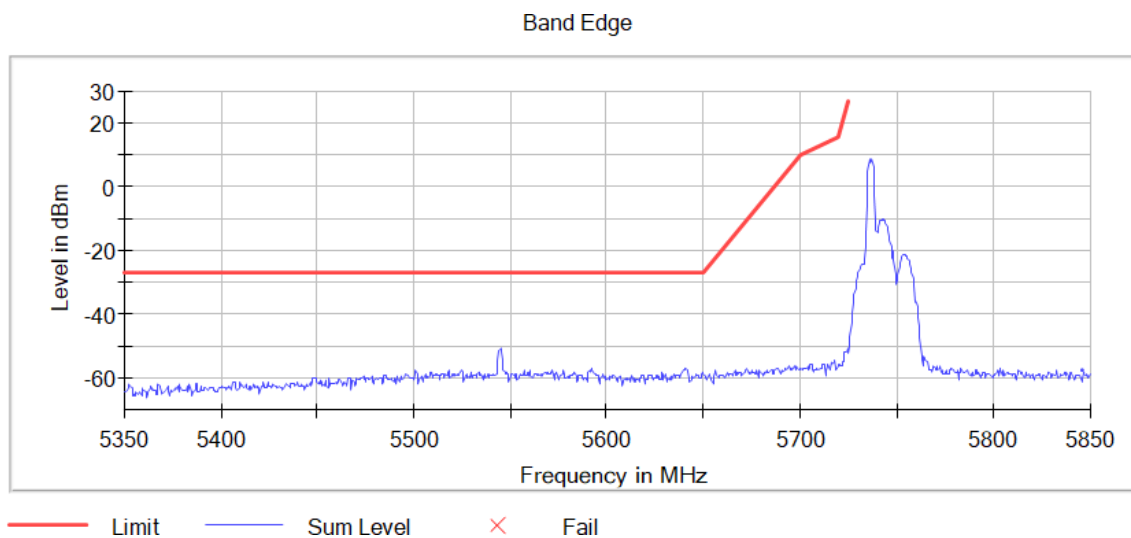
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Images:



Active Port = 2, Frequency MHz = 5745.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:

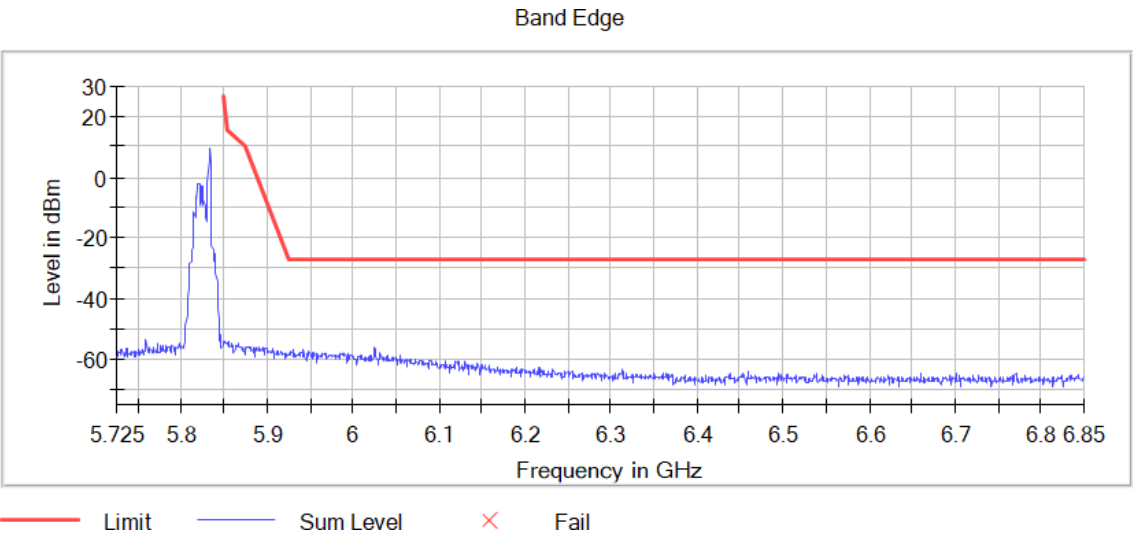


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
Sweptime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11ax HE40 SS1 (OFDMA MCS0) – Full RU

Results

DUT Frequency: 5190 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-39.7	12.7	-27.0	PASS
5148.750000	-39.7	12.7	-27.0	PASS
5147.250000	-40.0	13.0	-27.0	PASS
5146.250000	-40.1	13.1	-27.0	PASS
5146.750000	-40.2	13.2	-27.0	PASS
5147.750000	-40.3	13.3	-27.0	PASS
5144.250000	-40.4	13.4	-27.0	PASS
5148.250000	-40.5	13.5	-27.0	PASS
5149.250000	-40.6	13.6	-27.0	PASS
5143.750000	-40.7	13.7	-27.0	PASS
5145.750000	-40.9	13.9	-27.0	PASS
5144.750000	-40.9	13.9	-27.0	PASS
5143.250000	-41.2	14.2	-27.0	PASS
5142.250000	-41.2	14.2	-27.0	PASS
5140.750000	-41.6	14.6	-27.0	PASS

DUT Frequency: 5230 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5362.250000	-51.4	24.4	-27.0	PASS
5402.750000	-51.9	24.9	-27.0	PASS
5386.250000	-52.0	25.0	-27.0	PASS
5369.750000	-52.4	25.4	-27.0	PASS
5367.250000	-52.4	25.4	-27.0	PASS
5372.250000	-52.4	25.4	-27.0	PASS
5350.750000	-52.4	25.4	-27.0	PASS
5353.250000	-52.4	25.4	-27.0	PASS
5361.750000	-52.5	25.5	-27.0	PASS
5436.750000	-52.6	25.6	-27.0	PASS
5363.750000	-52.6	25.6	-27.0	PASS
5413.250000	-52.6	25.6	-27.0	PASS
5368.750000	-52.6	25.6	-27.0	PASS
5450.750000	-52.7	25.7	-27.0	PASS
5411.750000	-52.7	25.7	-27.0	PASS

DUT Frequency: 5755 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-40.4	13.4	-27.0	PASS
5147.750000	-42.0	15.0	-27.0	PASS
5148.750000	-42.3	15.3	-27.0	PASS
5147.250000	-42.4	15.4	-27.0	PASS
5149.250000	-42.4	15.4	-27.0	PASS
5148.250000	-42.5	15.5	-27.0	PASS
5146.750000	-42.7	15.7	-27.0	PASS
5146.250000	-42.9	15.9	-27.0	PASS
5145.750000	-43.4	16.4	-27.0	PASS
5144.250000	-43.8	16.8	-27.0	PASS
5144.750000	-44.1	17.1	-27.0	PASS
5143.750000	-44.3	17.3	-27.0	PASS
5145.250000	-44.3	17.3	-27.0	PASS
5141.250000	-44.6	17.6	-27.0	PASS
5142.250000	-44.8	17.8	-27.0	PASS

DUT Frequency: 5795 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5362.250000	-51.4	24.4	-27.0	PASS
5402.750000	-51.9	24.9	-27.0	PASS
5386.250000	-52.0	25.0	-27.0	PASS
5369.750000	-52.4	25.4	-27.0	PASS
5367.250000	-52.4	25.4	-27.0	PASS
5372.250000	-52.4	25.4	-27.0	PASS
5350.750000	-52.4	25.4	-27.0	PASS
5353.250000	-52.4	25.4	-27.0	PASS
5361.750000	-52.5	25.5	-27.0	PASS
5436.750000	-52.6	25.6	-27.0	PASS
5363.750000	-52.6	25.6	-27.0	PASS
5413.250000	-52.6	25.6	-27.0	PASS
5368.750000	-52.6	25.6	-27.0	PASS
5450.750000	-52.7	25.7	-27.0	PASS
5411.750000	-52.7	25.7	-27.0	PASS

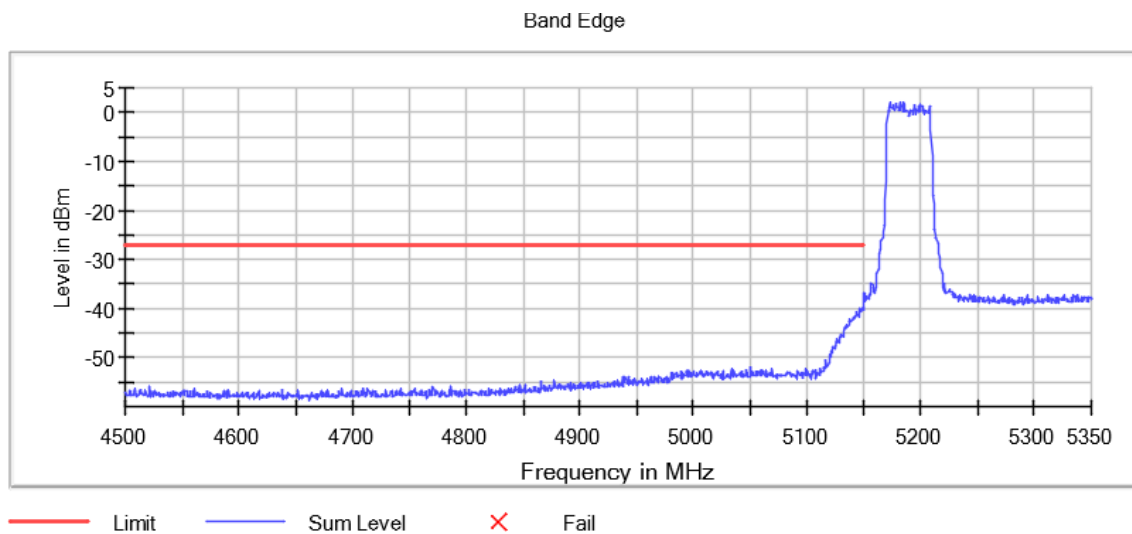
Verdict

Pass

Attachments

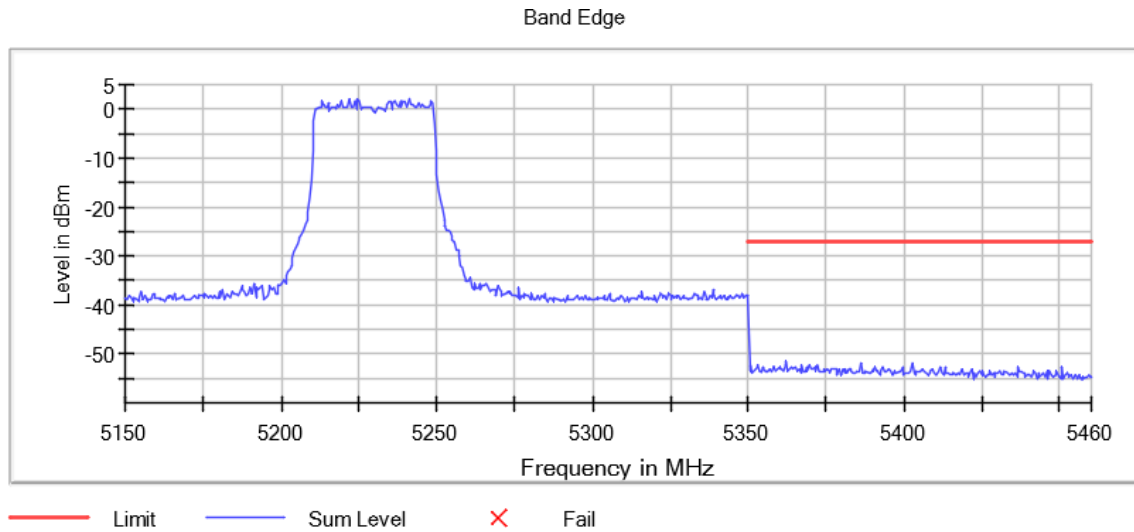
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Images:



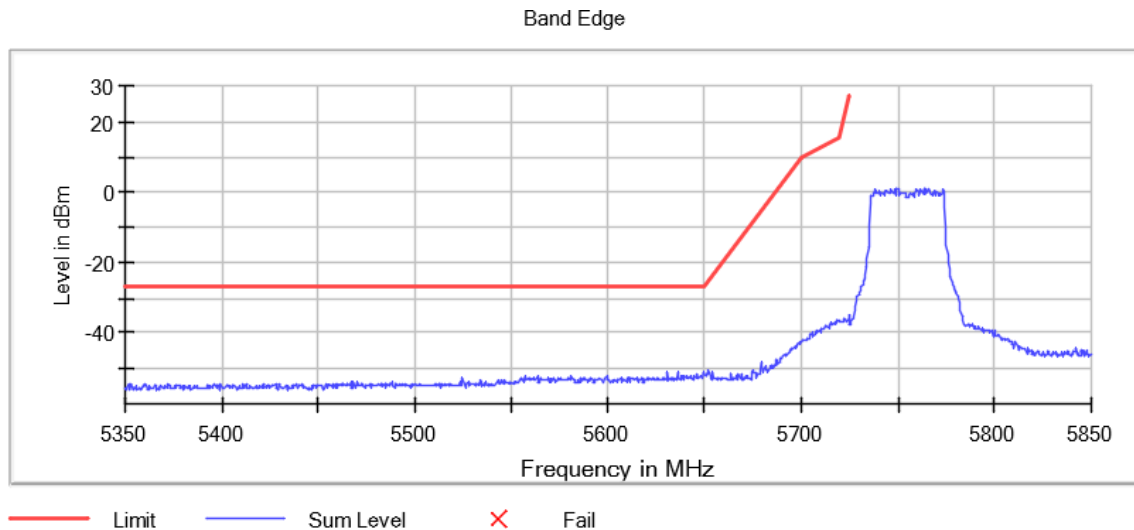
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Images:



Active Port = 2, Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:

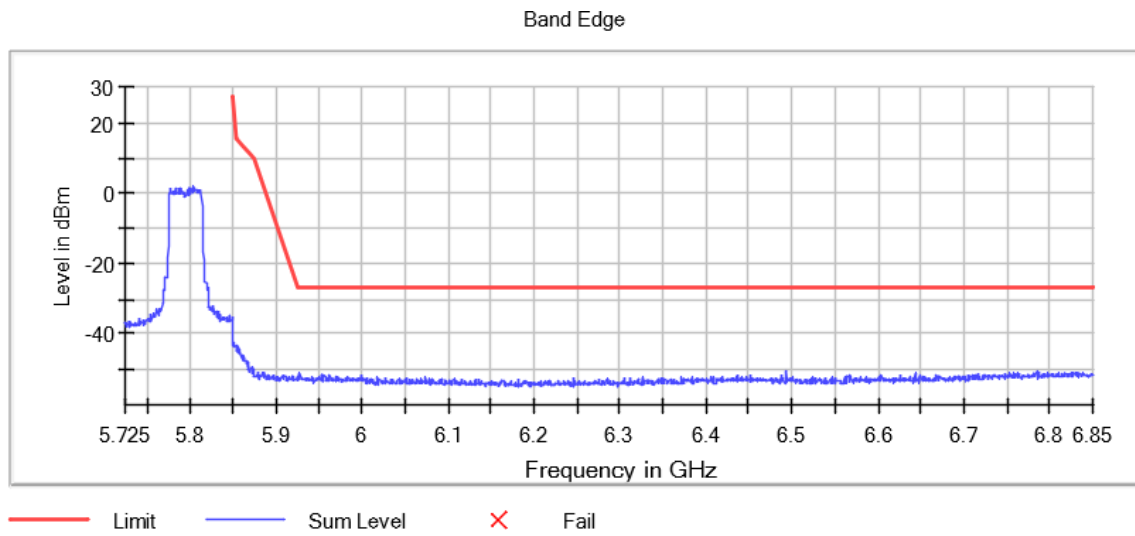


Table:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
SweepTime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11ax HE40 (OFDMA MCS0) – Partial RU

Results

DUT Frequency: 5190 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5148.250000	-40.5	13.5	-27.0	PASS
5147.750000	-41.1	14.1	-27.0	PASS
5145.750000	-41.3	14.3	-27.0	PASS
5145.250000	-41.7	14.7	-27.0	PASS
5148.750000	-42.1	15.1	-27.0	PASS
5149.750000	-42.3	15.3	-27.0	PASS
5149.250000	-42.5	15.5	-27.0	PASS
5142.250000	-42.8	15.8	-27.0	PASS
5144.250000	-43.2	16.2	-27.0	PASS
5143.750000	-43.4	16.4	-27.0	PASS
5141.750000	-43.5	16.5	-27.0	PASS
5144.750000	-43.6	16.6	-27.0	PASS
5146.250000	-44.2	17.2	-27.0	PASS
5138.250000	-44.4	17.4	-27.0	PASS
5141.250000	-44.5	17.5	-27.0	PASS

DUT Frequency: 5230 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5388.750000	-50.9	23.9	-27.0	PASS
5440.250000	-51.1	24.1	-27.0	PASS
5400.250000	-51.3	24.3	-27.0	PASS
5439.250000	-51.4	24.4	-27.0	PASS
5385.750000	-51.4	24.4	-27.0	PASS
5364.250000	-51.6	24.6	-27.0	PASS
5391.750000	-51.6	24.6	-27.0	PASS
5374.750000	-51.7	24.7	-27.0	PASS
5361.250000	-51.7	24.7	-27.0	PASS
5358.250000	-51.8	24.8	-27.0	PASS
5439.750000	-51.9	24.9	-27.0	PASS
5372.750000	-51.9	24.9	-27.0	PASS
5374.250000	-51.9	24.9	-27.0	PASS
5387.250000	-51.9	24.9	-27.0	PASS
5391.250000	-51.9	24.9	-27.0	PASS

DUT Frequency: 5755 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5148.250000	-40.5	13.5	-27.0	PASS
5147.750000	-41.1	14.1	-27.0	PASS
5145.750000	-41.3	14.3	-27.0	PASS
5145.250000	-41.7	14.7	-27.0	PASS
5148.750000	-42.1	15.1	-27.0	PASS
5149.750000	-42.3	15.3	-27.0	PASS
5149.250000	-42.5	15.5	-27.0	PASS
5142.250000	-42.8	15.8	-27.0	PASS
5144.250000	-43.2	16.2	-27.0	PASS
5143.750000	-43.4	16.4	-27.0	PASS
5141.750000	-43.5	16.5	-27.0	PASS
5144.750000	-43.6	16.6	-27.0	PASS
5146.250000	-44.2	17.2	-27.0	PASS
5138.250000	-44.4	17.4	-27.0	PASS
5141.250000	-44.5	17.5	-27.0	PASS

DUT Frequency: 5795 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5388.750000	-50.9	23.9	-27.0	PASS
5440.250000	-51.1	24.1	-27.0	PASS
5400.250000	-51.3	24.3	-27.0	PASS
5439.250000	-51.4	24.4	-27.0	PASS
5385.750000	-51.4	24.4	-27.0	PASS
5364.250000	-51.6	24.6	-27.0	PASS
5391.750000	-51.6	24.6	-27.0	PASS
5374.750000	-51.7	24.7	-27.0	PASS
5361.250000	-51.7	24.7	-27.0	PASS
5358.250000	-51.8	24.8	-27.0	PASS
5439.750000	-51.9	24.9	-27.0	PASS
5372.750000	-51.9	24.9	-27.0	PASS
5374.250000	-51.9	24.9	-27.0	PASS
5387.250000	-51.9	24.9	-27.0	PASS
5391.250000	-51.9	24.9	-27.0	PASS

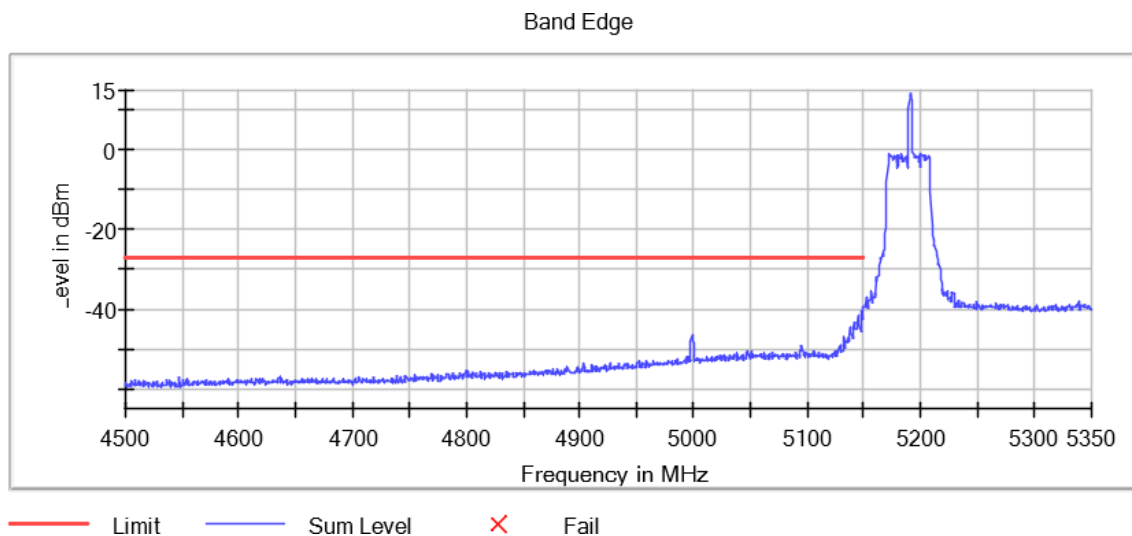
Verdict

Pass

Attachments

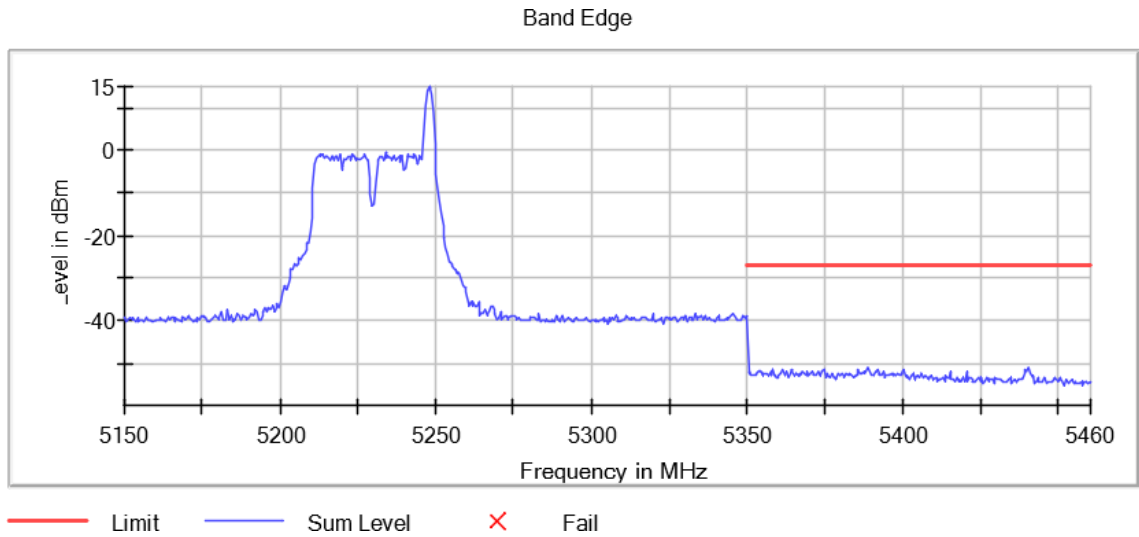
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Images:



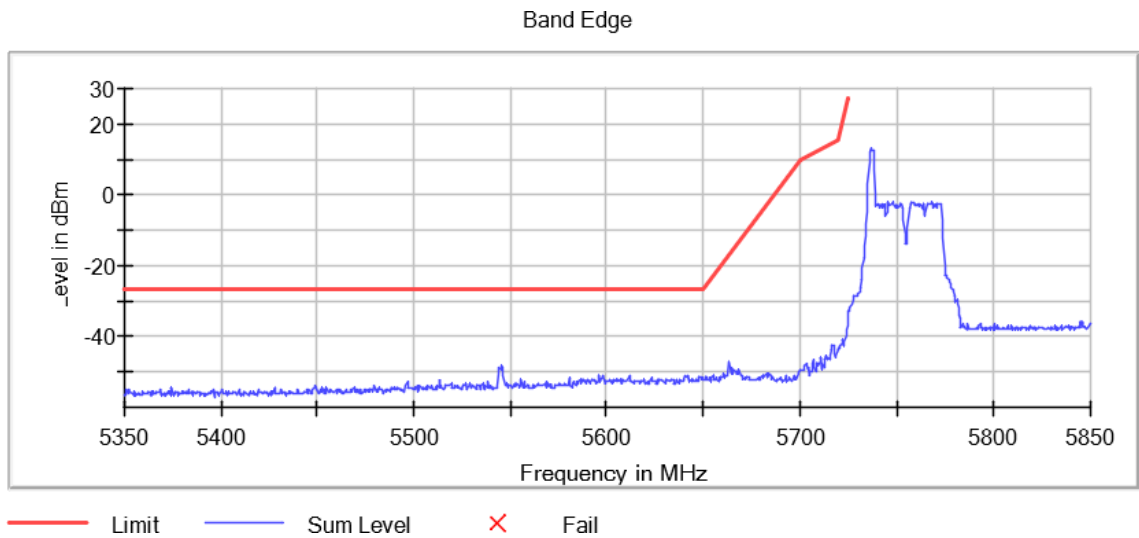
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Images:



Active Port = 2, Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:

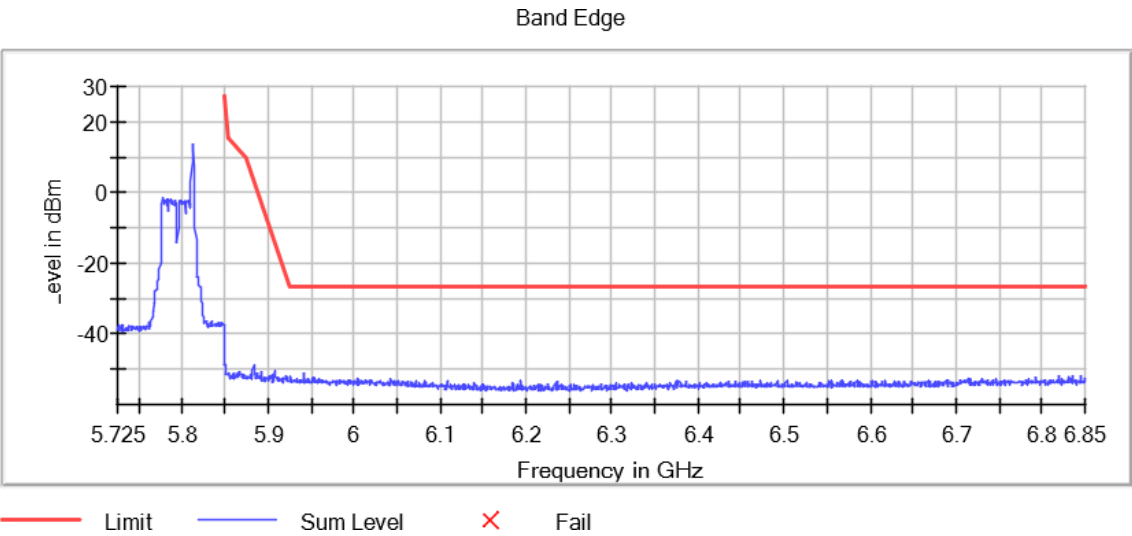


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
SweepTime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11ax HE80 SS1 (OFDM MCS0) – Full RU

Results

DUT Frequency: 5210 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.250000	-39.3	12.3	-27.0	PASS
5149.750000	-39.5	12.5	-27.0	PASS
5146.750000	-40.6	13.6	-27.0	PASS
5148.250000	-41.1	14.1	-27.0	PASS
5147.250000	-41.8	14.8	-27.0	PASS
5145.750000	-42.4	15.4	-27.0	PASS
5145.250000	-42.7	15.7	-27.0	PASS
5147.750000	-42.7	15.7	-27.0	PASS
5143.250000	-43.1	16.1	-27.0	PASS
5146.250000	-43.2	16.2	-27.0	PASS
5142.750000	-43.4	16.4	-27.0	PASS
5148.750000	-43.5	16.5	-27.0	PASS
5144.250000	-44.0	17.0	-27.0	PASS
5140.250000	-45.4	18.4	-27.0	PASS
5098.750000	-45.4	18.4	-27.0	PASS

DUT Frequency: 5775 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.250000	-39.3	12.3	-27.0	PASS
5149.750000	-39.5	12.5	-27.0	PASS
5146.750000	-40.6	13.6	-27.0	PASS
5148.250000	-41.1	14.1	-27.0	PASS
5147.250000	-41.8	14.8	-27.0	PASS
5145.750000	-42.4	15.4	-27.0	PASS
5145.250000	-42.7	15.7	-27.0	PASS
5147.750000	-42.7	15.7	-27.0	PASS
5143.250000	-43.1	16.1	-27.0	PASS
5146.250000	-43.2	16.2	-27.0	PASS
5142.750000	-43.4	16.4	-27.0	PASS
5148.750000	-43.5	16.5	-27.0	PASS
5144.250000	-44.0	17.0	-27.0	PASS
5140.250000	-45.4	18.4	-27.0	PASS
5098.750000	-45.4	18.4	-27.0	PASS

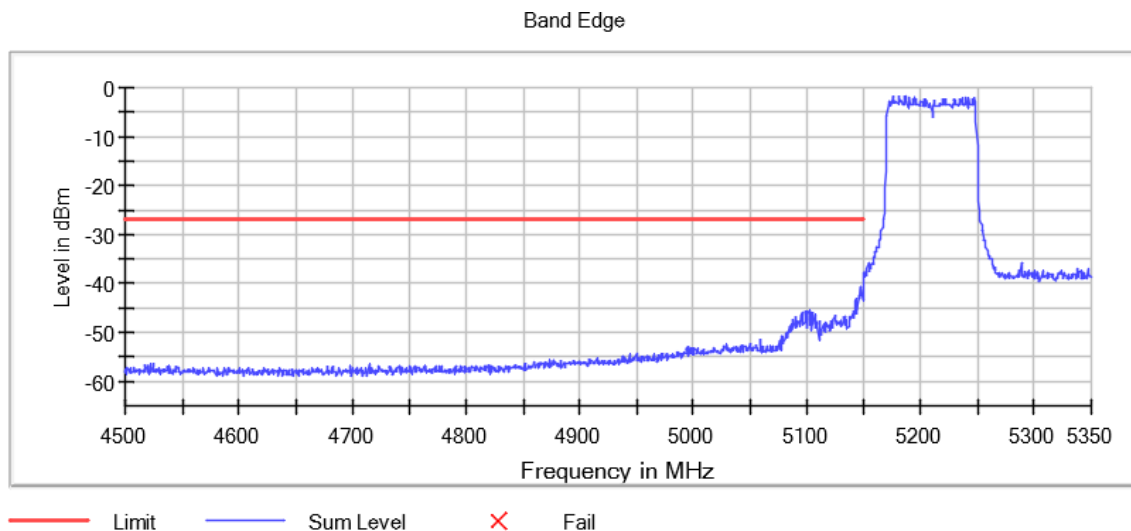
Verdict

Pass

Attachments

Active Port = 2, Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:

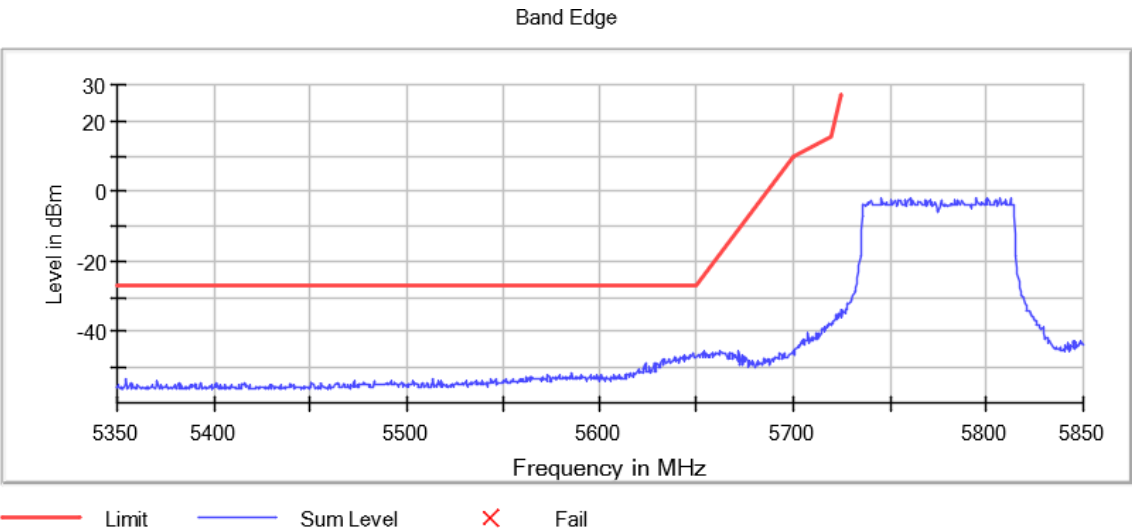


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
SweepTime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Mode: SISO worst

Modulation: 802.11ax HE80 SS1 (OFDMA MCS0) – Partial RU

Results

DUT Frequency: 5210 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.250000	-38.1	11.1	-27.0	PASS
5149.750000	-38.3	11.3	-27.0	PASS
5146.750000	-38.9	11.9	-27.0	PASS
5148.250000	-38.9	11.9	-27.0	PASS
5145.750000	-39.3	12.3	-27.0	PASS
5147.750000	-39.8	12.8	-27.0	PASS
5147.250000	-40.1	13.1	-27.0	PASS
5145.250000	-40.3	13.3	-27.0	PASS
5148.750000	-41.1	14.1	-27.0	PASS
5144.250000	-41.2	14.2	-27.0	PASS
5142.750000	-41.6	14.6	-27.0	PASS
5141.250000	-41.7	14.7	-27.0	PASS
5146.250000	-41.9	14.9	-27.0	PASS
5143.750000	-41.9	14.9	-27.0	PASS
5143.250000	-41.9	14.9	-27.0	PASS

DUT Frequency: 5775 MHz

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.250000	-38.1	11.1	-27.0	PASS
5149.750000	-38.3	11.3	-27.0	PASS
5146.750000	-38.9	11.9	-27.0	PASS
5148.250000	-38.9	11.9	-27.0	PASS
5145.750000	-39.3	12.3	-27.0	PASS
5147.750000	-39.8	12.8	-27.0	PASS
5147.250000	-40.1	13.1	-27.0	PASS
5145.250000	-40.3	13.3	-27.0	PASS
5148.750000	-41.1	14.1	-27.0	PASS
5144.250000	-41.2	14.2	-27.0	PASS
5142.750000	-41.6	14.6	-27.0	PASS
5141.250000	-41.7	14.7	-27.0	PASS
5146.250000	-41.9	14.9	-27.0	PASS
5143.750000	-41.9	14.9	-27.0	PASS
5143.250000	-41.9	14.9	-27.0	PASS

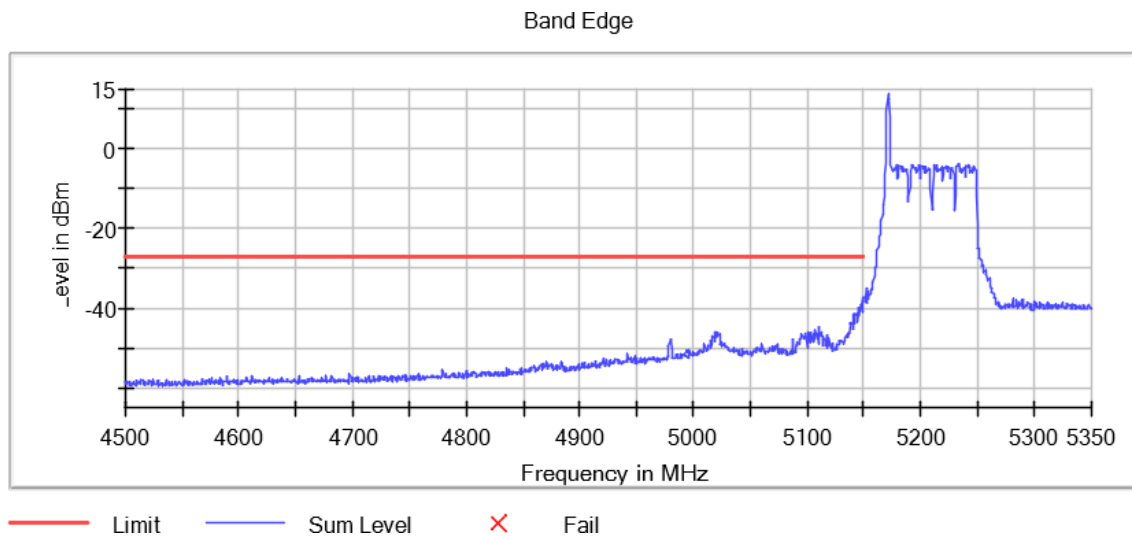
Verdict

Pass

Attachments

Active Port = 2, Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:



Active Port = 2, Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS0), MIMO Mode = SISO, Measurement Point = 1

Images:

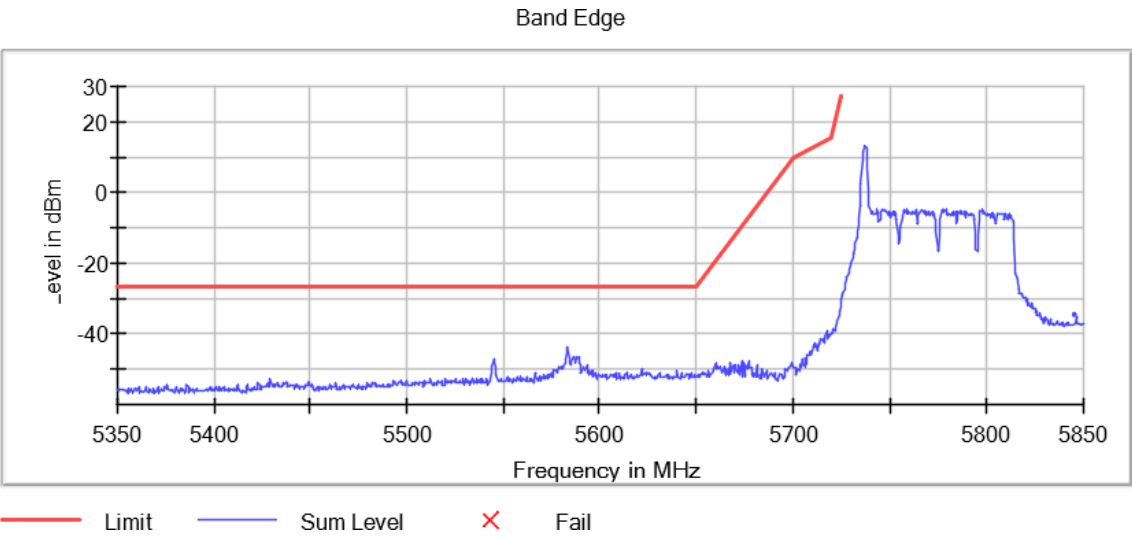


Table:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	Please see the plots	
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	~ 2000	~ 2000
SweepTime	130.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

FCC 15.407 (e) / RSS 247 6.2.4.1 6 dB Emission Bandwidth

Limits

For equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz.

Mode: SISO worst

Modulation: 802.11a (OFDM 6 Mbit/s)

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5745.00000	1	16.550
2	5785.00000	1	16.550
2	5825.00000	1	16.550

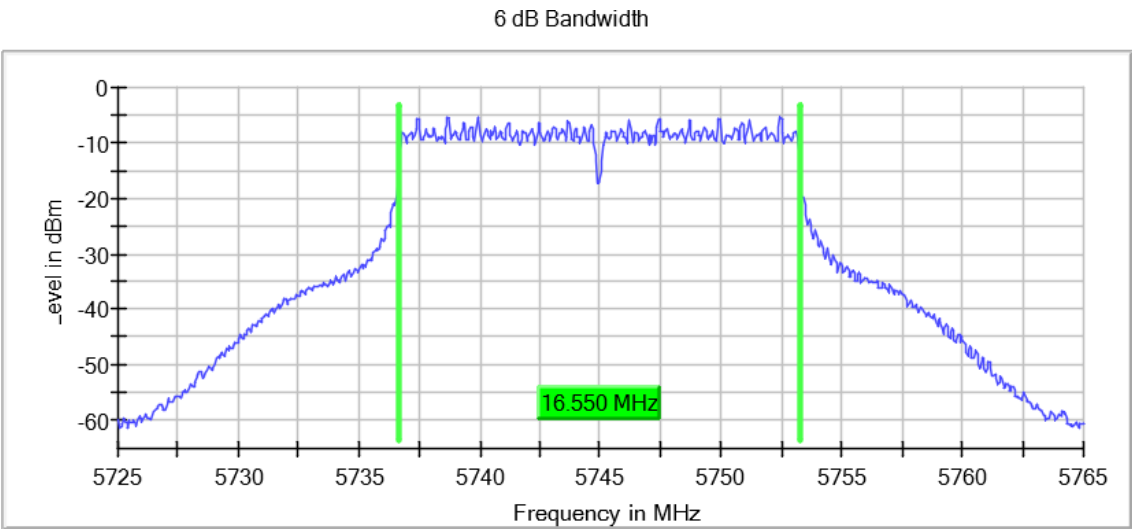
Verdict

Pass

Attachments

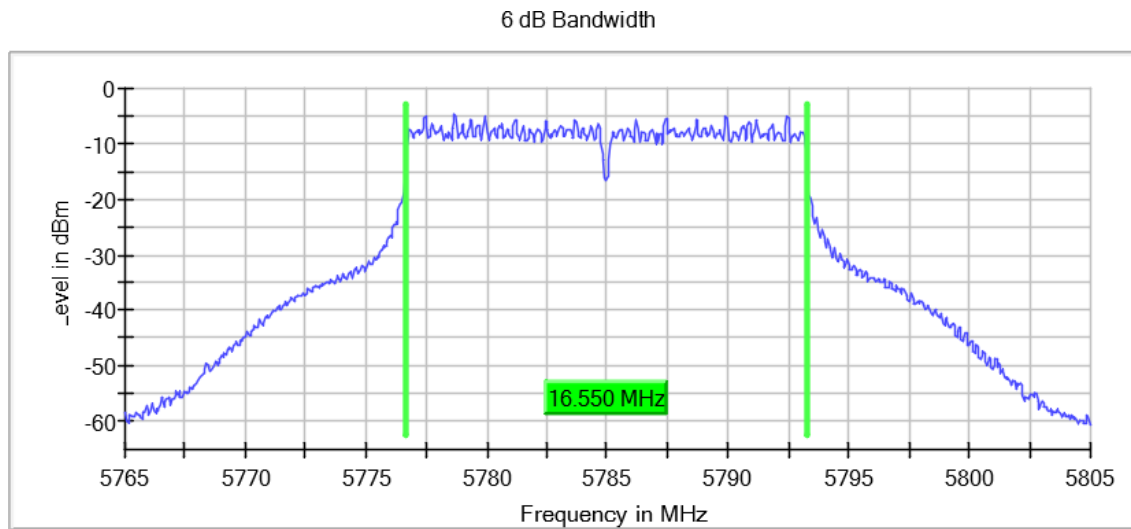
Active Port = 2, Frequency MHz = 5745.00000, Modulation = 802.11a (OFDM 6 Mbit/s), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



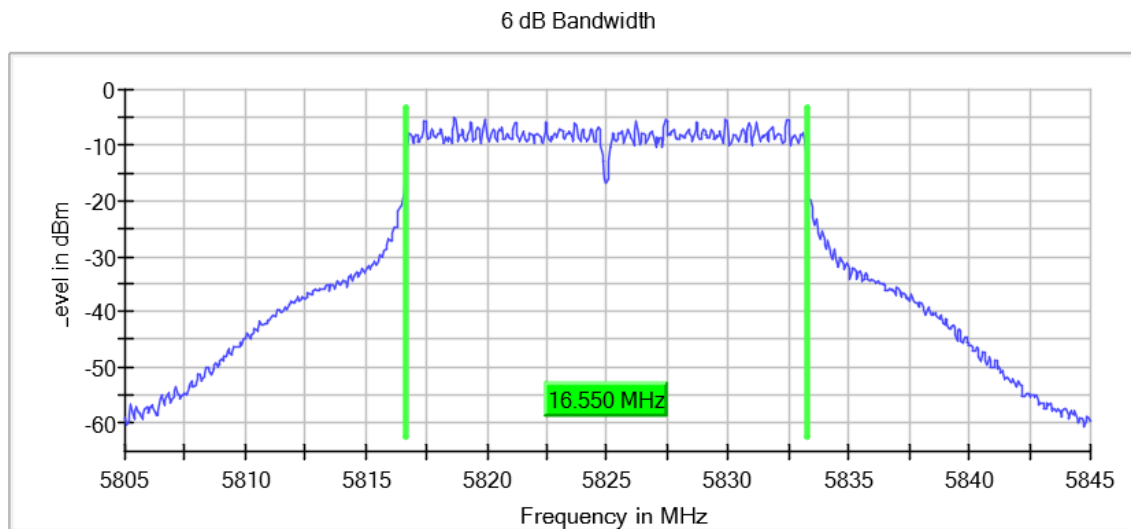
**Active Port = 2, Frequency MHz = 5785.00000, Modulation = 802.11a (OFDM 6 Mbit/s), MIMO Mode = SISO,
Number of Transmission Chains = 1**

Images:



**Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11a (OFDM 6 Mbit/s), MIMO Mode = SISO,
Number of Transmission Chains = 1**

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweeptime	1.040 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	54 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.17 dB	0.30 dB

Mode: SISO worst
Modulation: 802.11n HT20 (OFDM MCS0)

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5745.00000	1	17.800
2	5785.00000	1	17.850
2	5825.00000	1	17.800

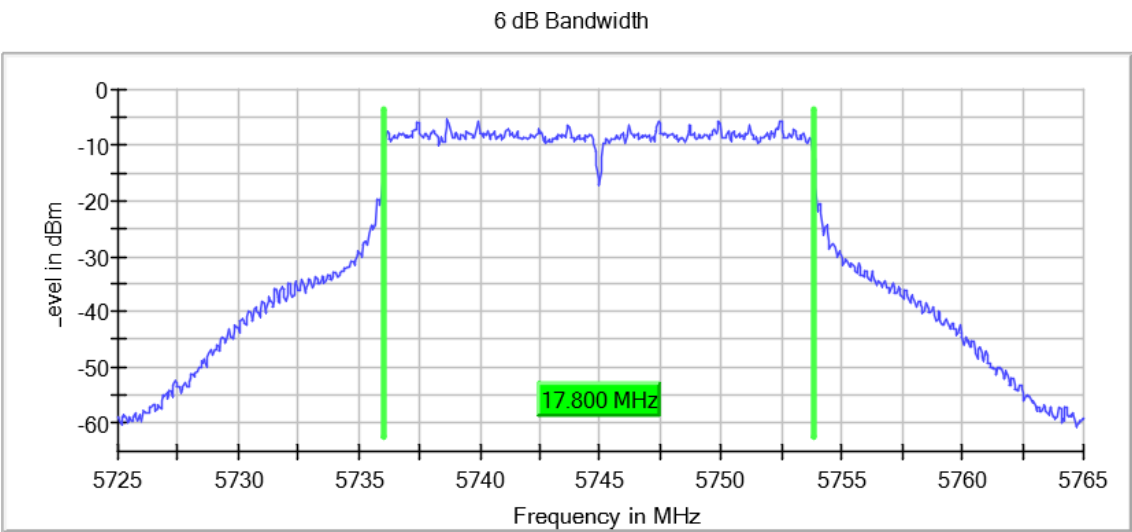
Verdict

Pass

Attachments

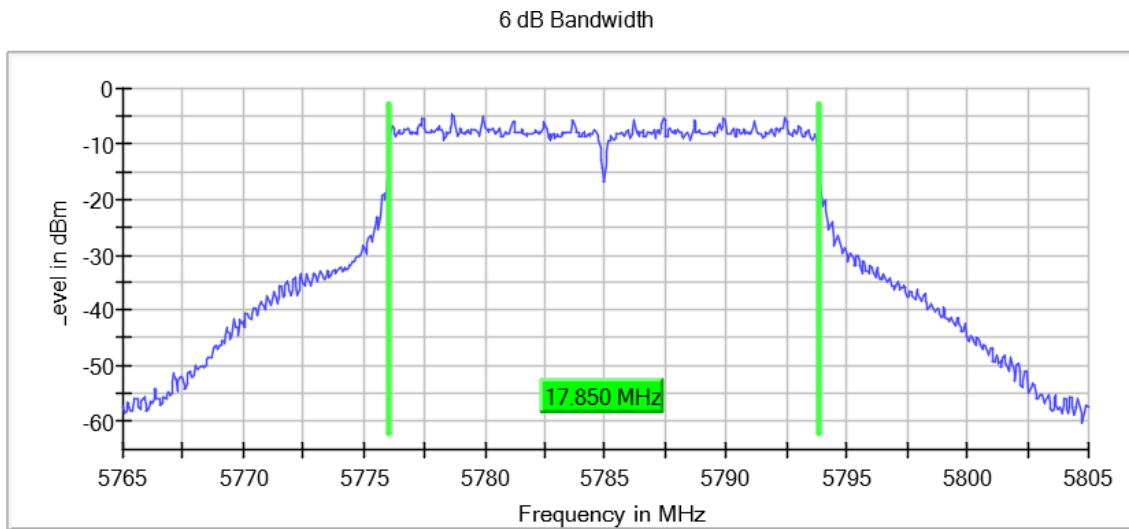
Active Port = 2, Frequency MHz = 5745.00000, Modulation = 802.11n HT20 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



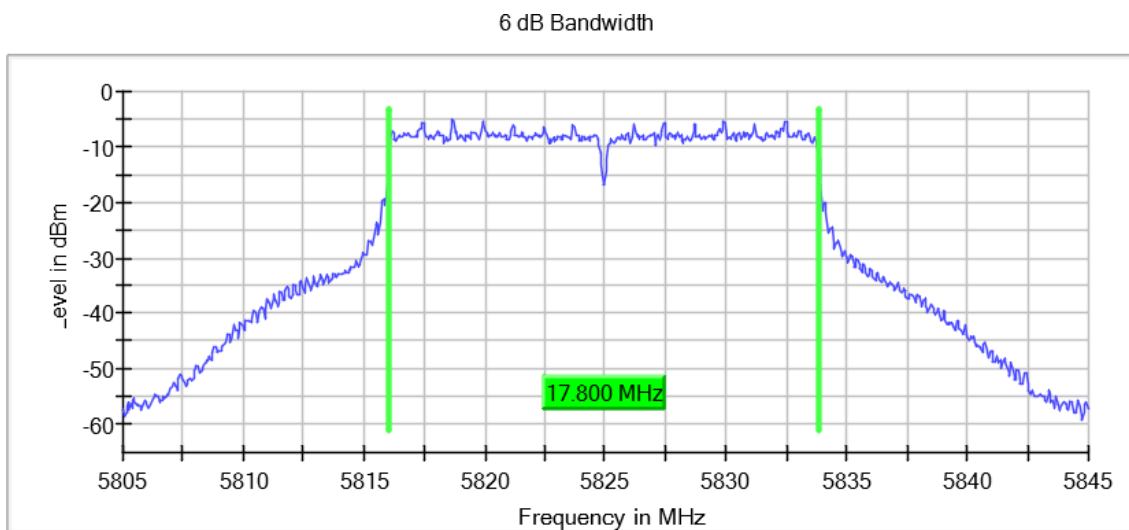
Active Port = 2, Frequency MHz = 5785.00000, Modulation = 802.11n HT20 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11n HT20 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweeptime	1.040 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	69 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.10 dB	0.30 dB

Mode: SISO worst
Modulation: 802.11n HT40 (OFDM MCS0)

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5755.00000	1	36.600
2	5795.00000	1	36.600

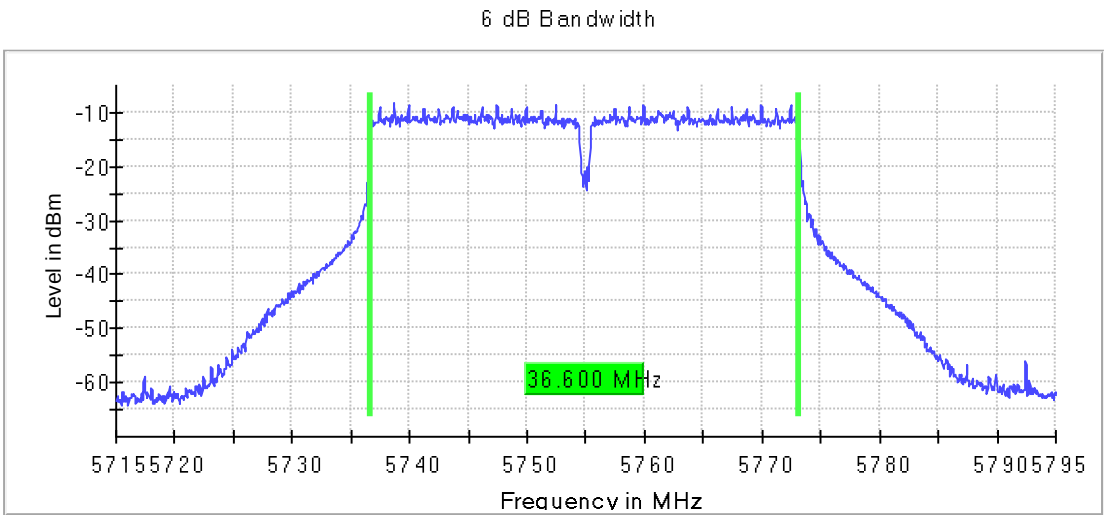
Verdict

Pass

Attachments

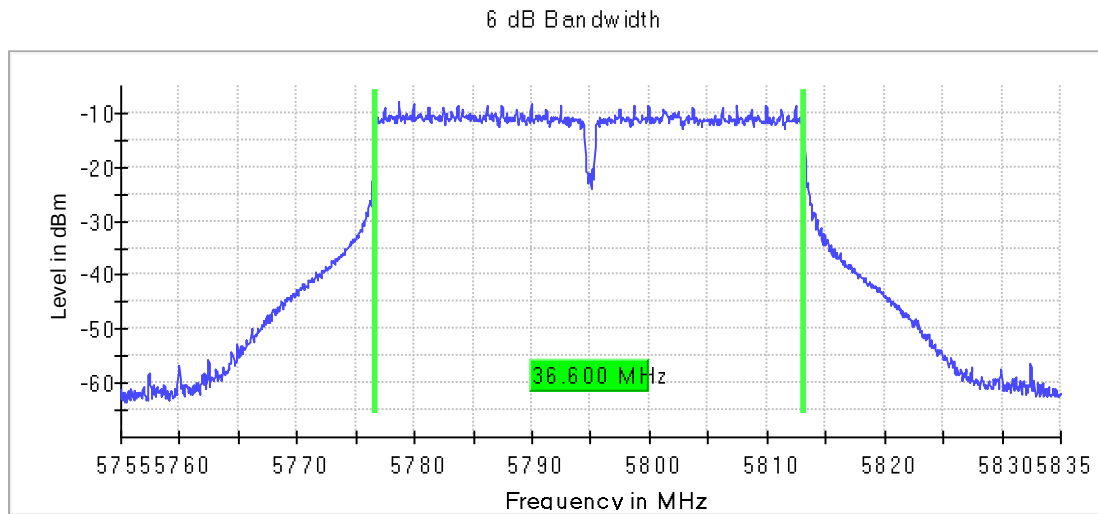
Active Port = 2, Frequency MHz = 5755.00000, 802.11n HT40 (OFDM MCS0), TPC = No, MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5795.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No, MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
SweepTime	1.600 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	57 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.29 dB	0.30 dB

Mode: SISO worst

Modulation: 802.11ac VHT20 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5745.00000	1	16.400
2	5785.00000	1	16.400
2	5825.00000	1	16.400

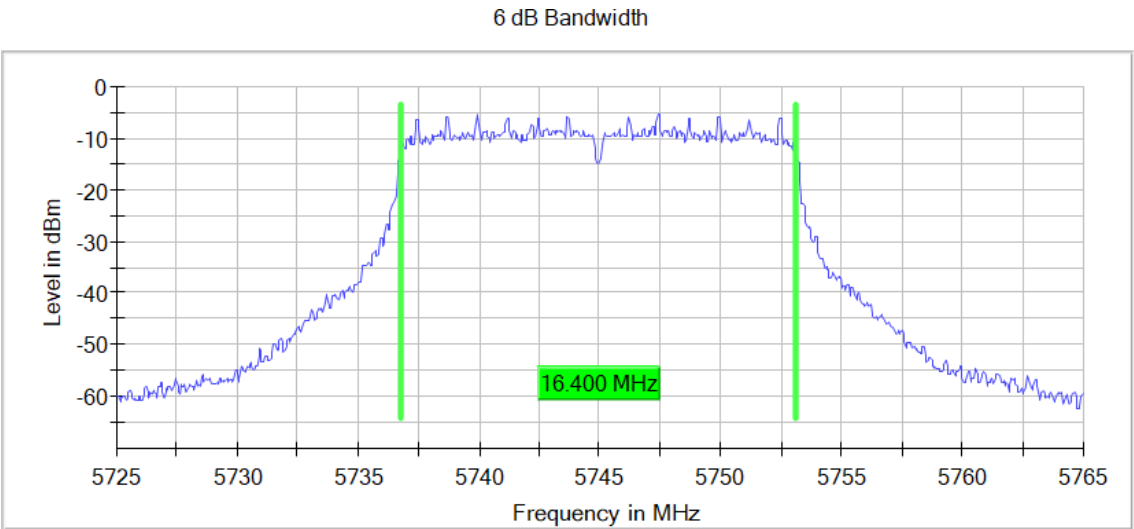
Verdict

Pass

Attachments

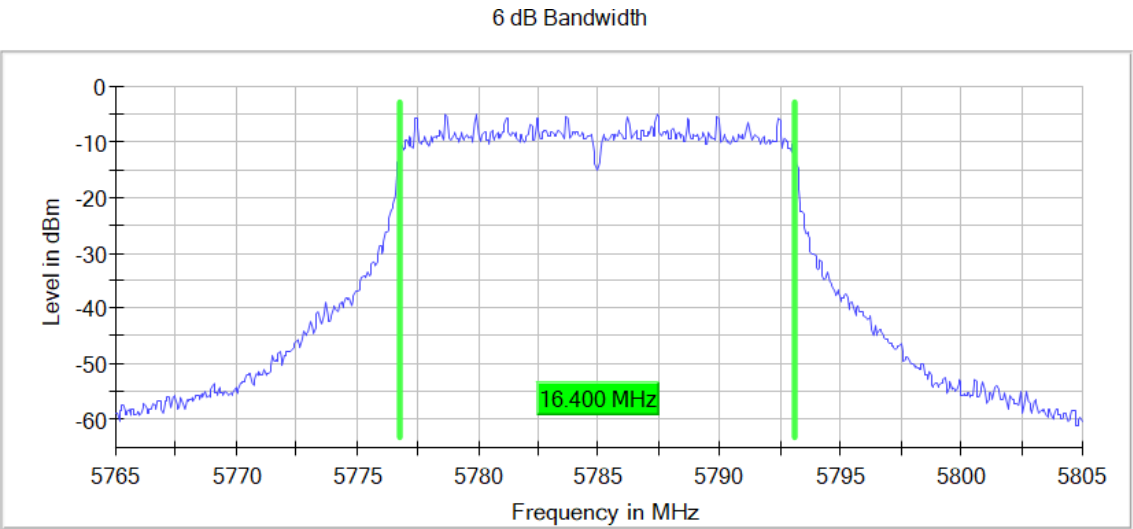
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Images:



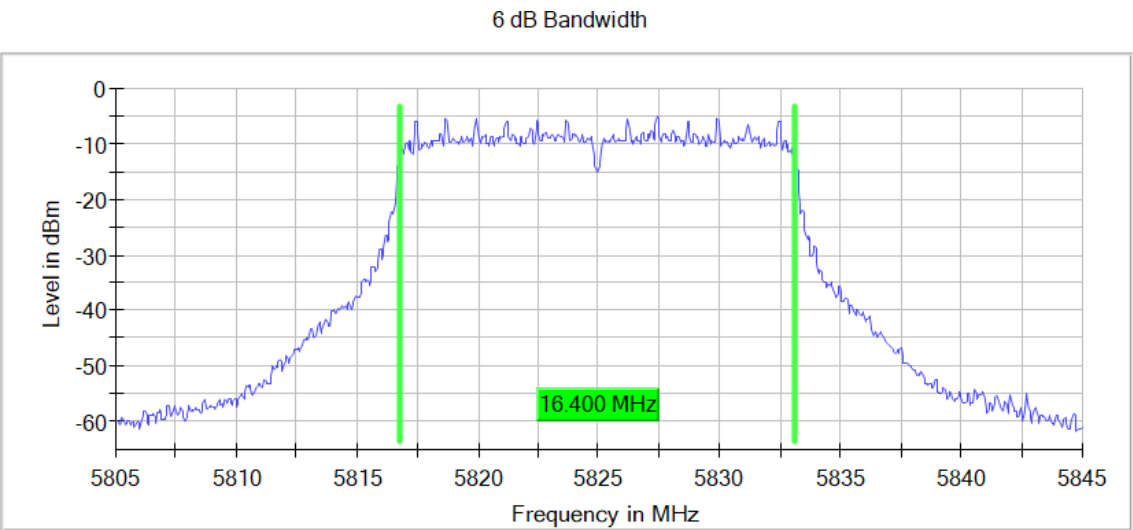
Active Port = 2, Frequency MHz = 5785.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweeptime	1.040 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	67 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.11 dB	0.30 dB

Mode: SISO worst

Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5755.00000	1	36.550
2	5795.00000	1	36.600

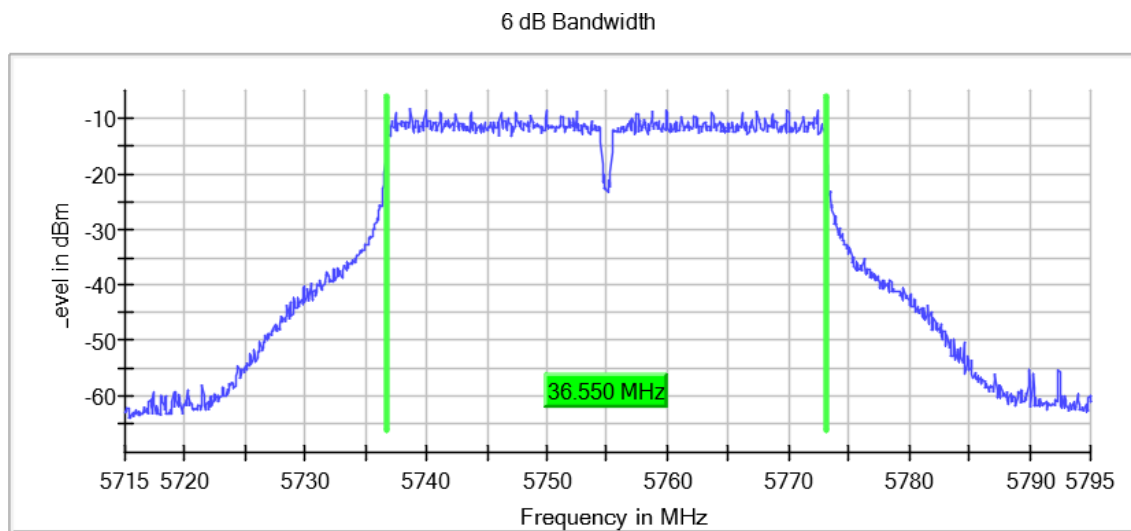
Verdict

Pass

Attachments

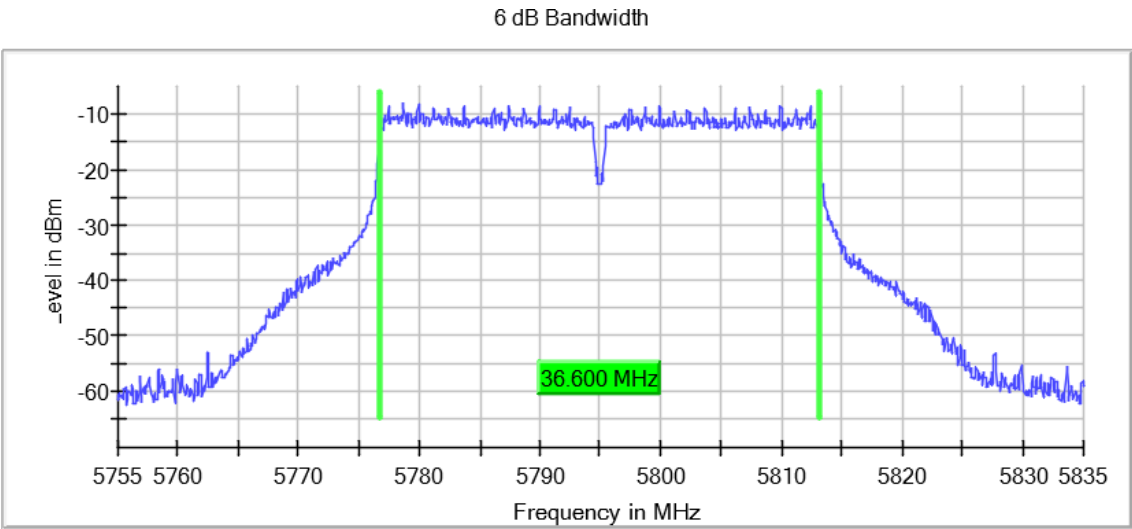
Active Port = 2, Frequency MHz = 5755.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5795.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
Sweptime	1.600 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	43 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.23 dB	0.30 dB

Mode: SISO worst

Modulation: 802.11ac VHT80 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5775.00000	1	76.650

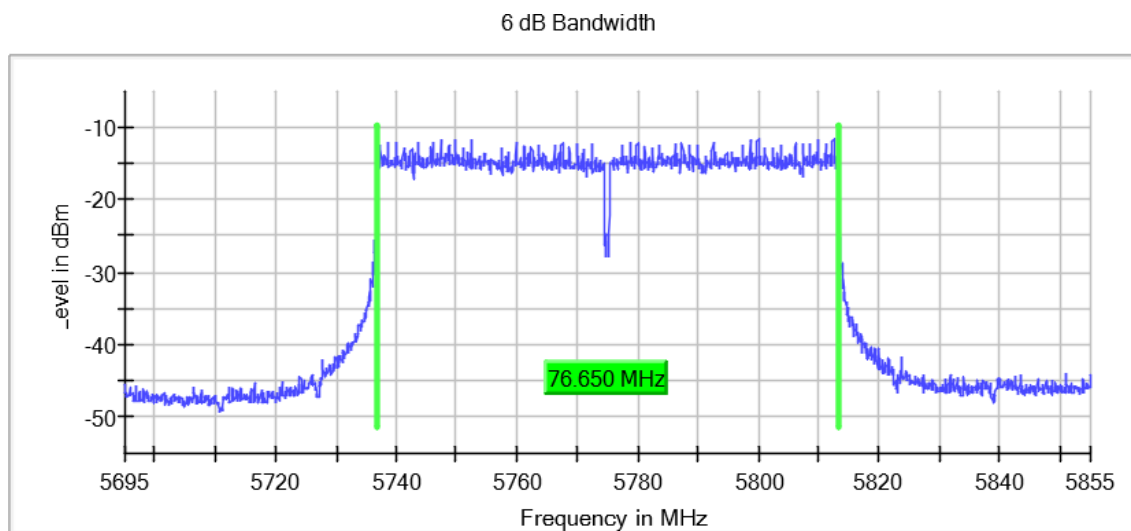
Verdict

Pass

Attachments

Active Port = 2, Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	160.000 MHz	160.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	3200	~ 3200
Sweeptime	189.453 μ s	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	76 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.13 dB	0.30 dB

Mode: SISO worst
Modulation: 802.11ax HE20 (OFDMA MCS0) – Full RU

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5745.00000	1	19.150
2	5785.00000	1	16.550
2	5825.00000	1	19.200

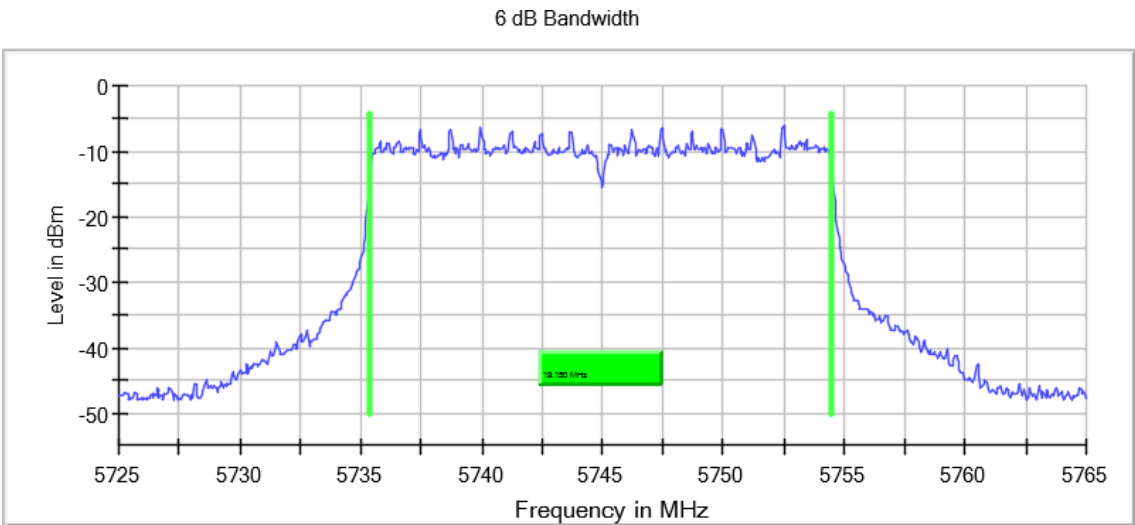
Verdict

Pass

Attachments

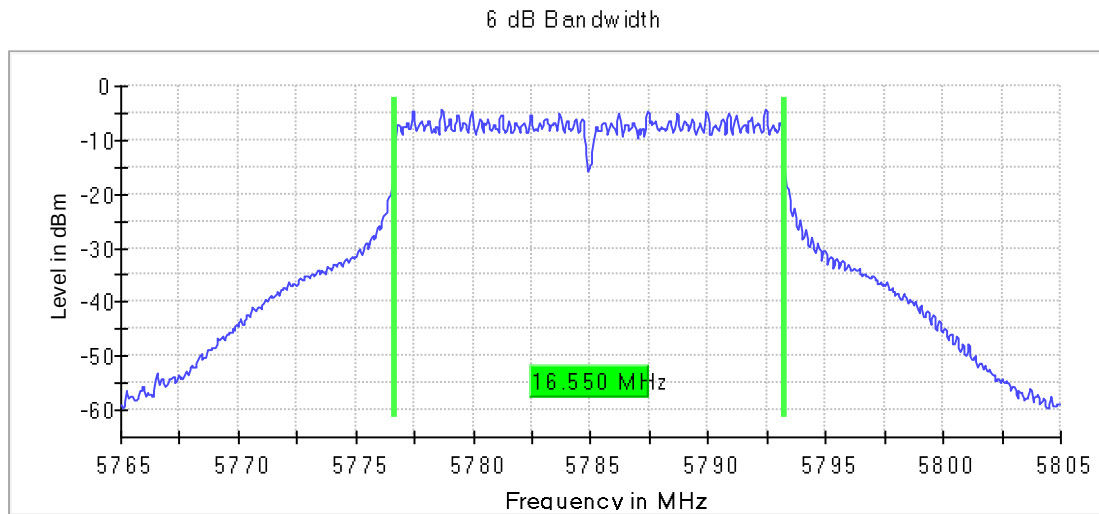
Active Port = 2, Frequency MHz = 5745.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



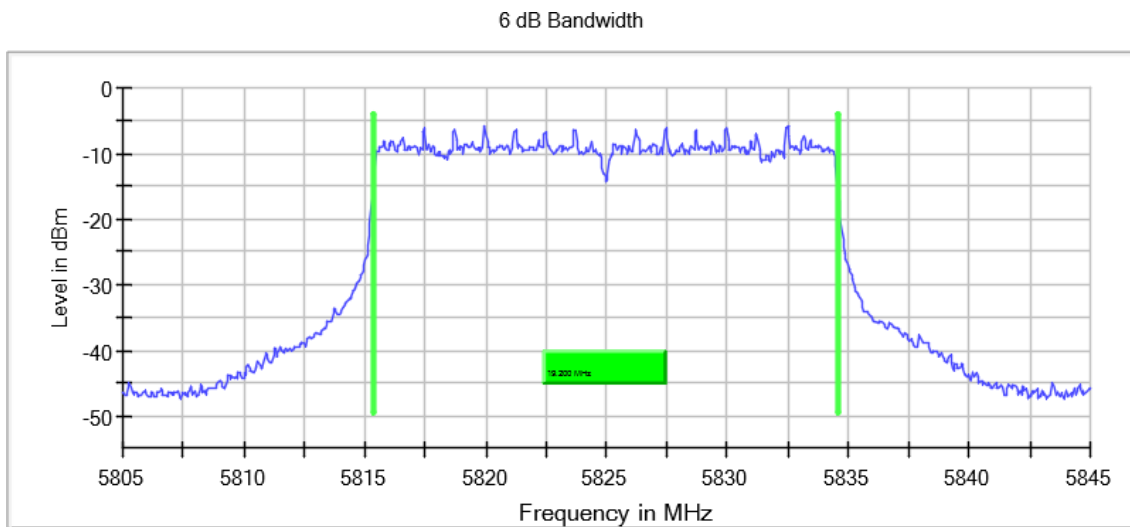
Active Port = 2, Frequency MHz = 5785.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweptime	56.836 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	47 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.30 dB	0.30 dB

Mode: SISO worst

Modulation: 802.11ax HE20 (OFDMA MCS0) – Partial RU

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5745.00000	1	2.150
2	5785.00000	1	7.700
2	5825.00000	1	2.200

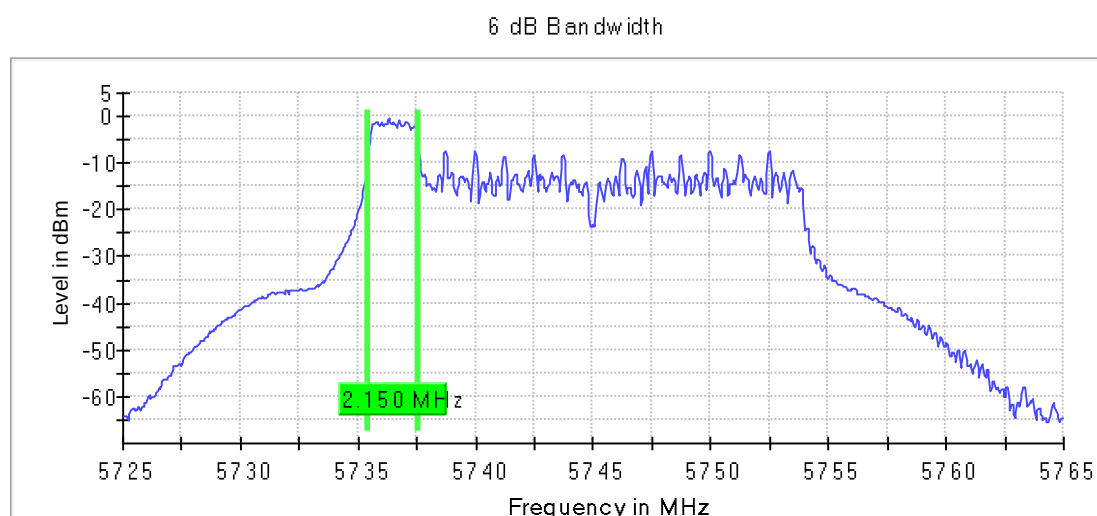
Verdict

Pass

Attachments

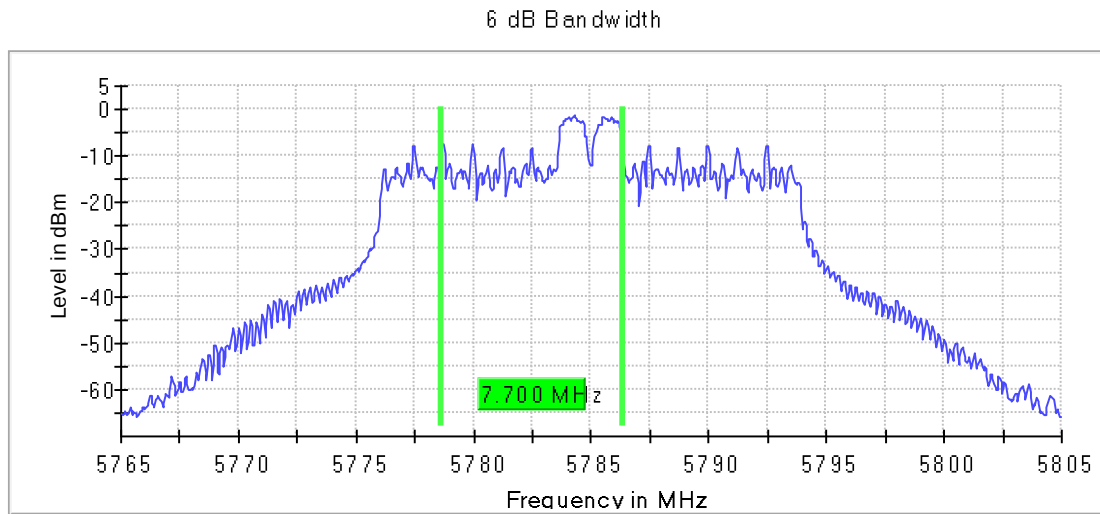
Active Port = 2, Frequency MHz = 5745.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



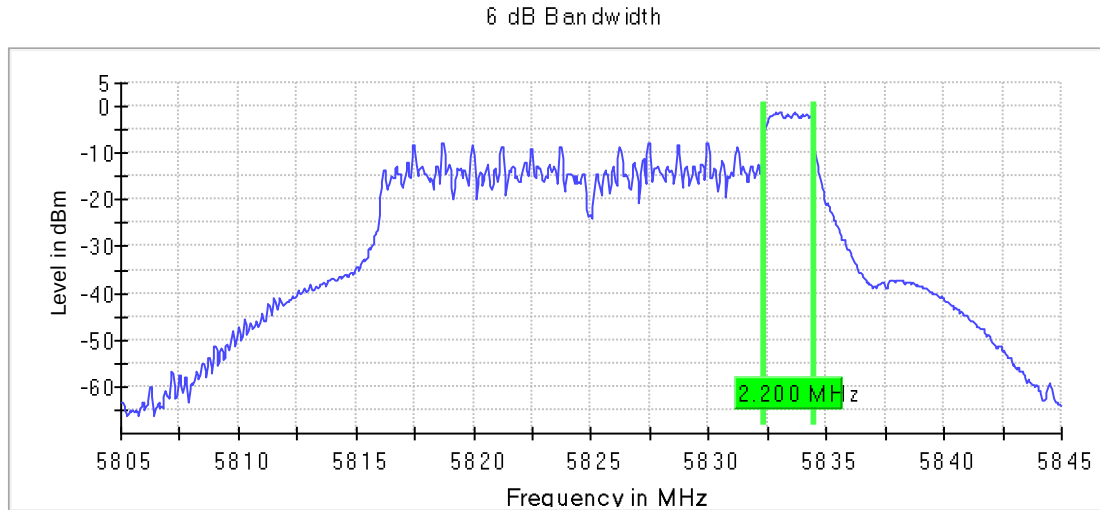
Active Port = 2, Frequency MHz = 5785.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweeptime	56.836 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	47 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.30 dB	0.30 dB

Mode: SISO worst

Modulation: 802.11ax HE40 SS1 (OFDMA MCS0) – Full RU

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5755.00000	1	38.300
2	5795.00000	1	38.350

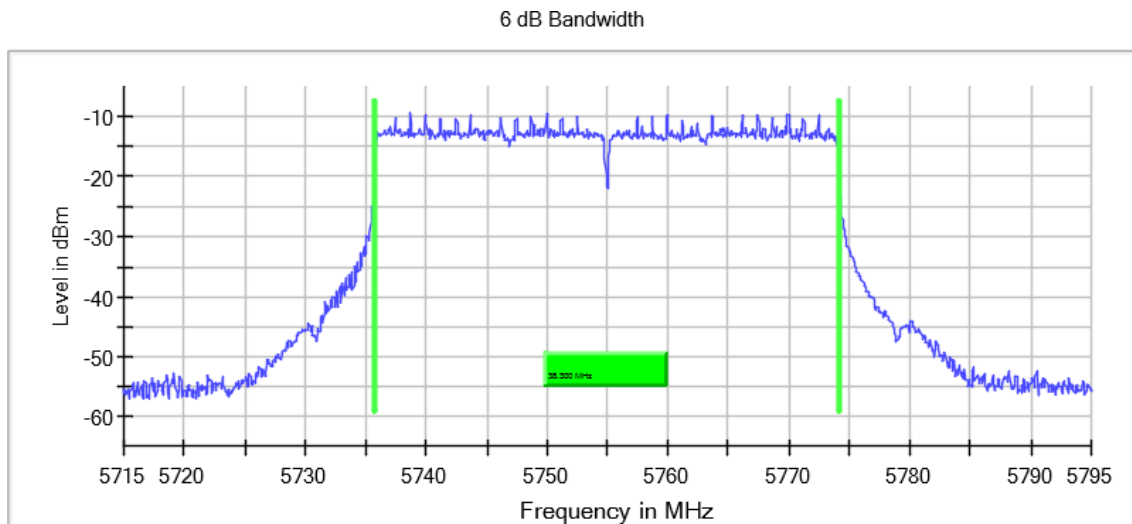
Verdict

Pass

Attachments

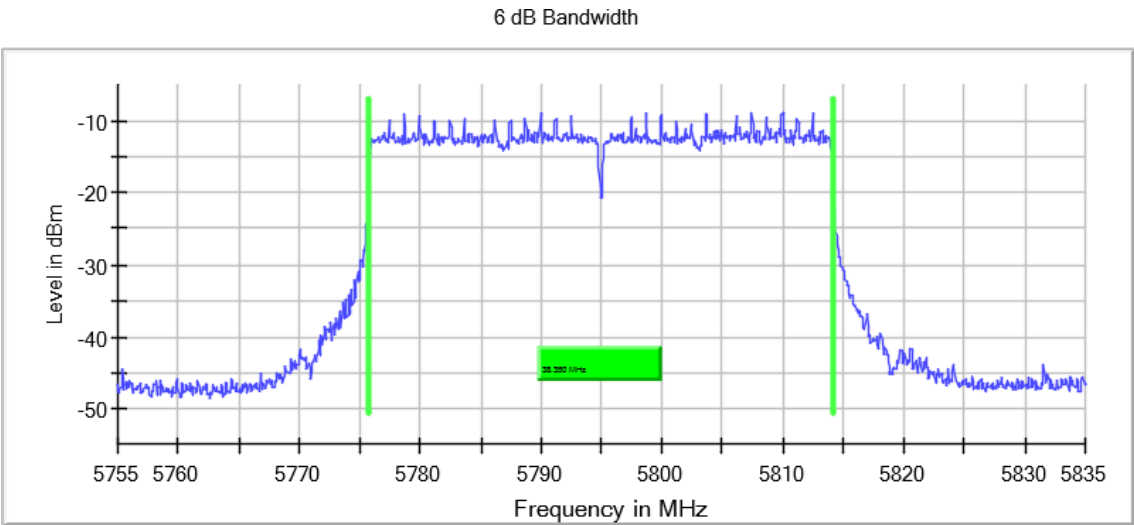
Active Port = 2, Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
SweepTime	94.727 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	52 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.21 dB	0.30 dB

Mode: SISO worst
Modulation: 802.11ax HE40 SS1 (OFDMA MCS0) – Partial RU

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
2	5755.00000	1	2.10
2	5795.00000	1	2.15

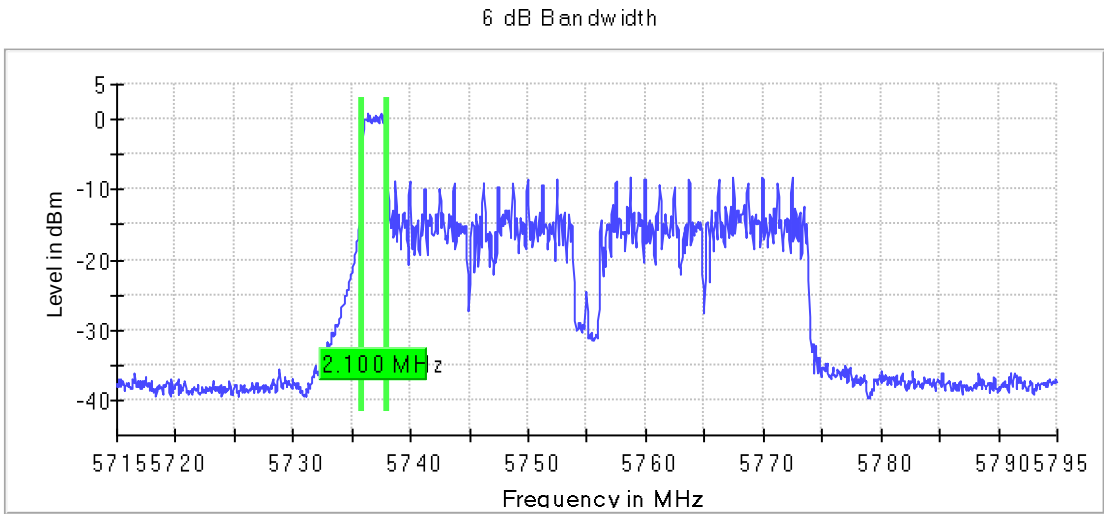
Verdict

Pass

Attachments

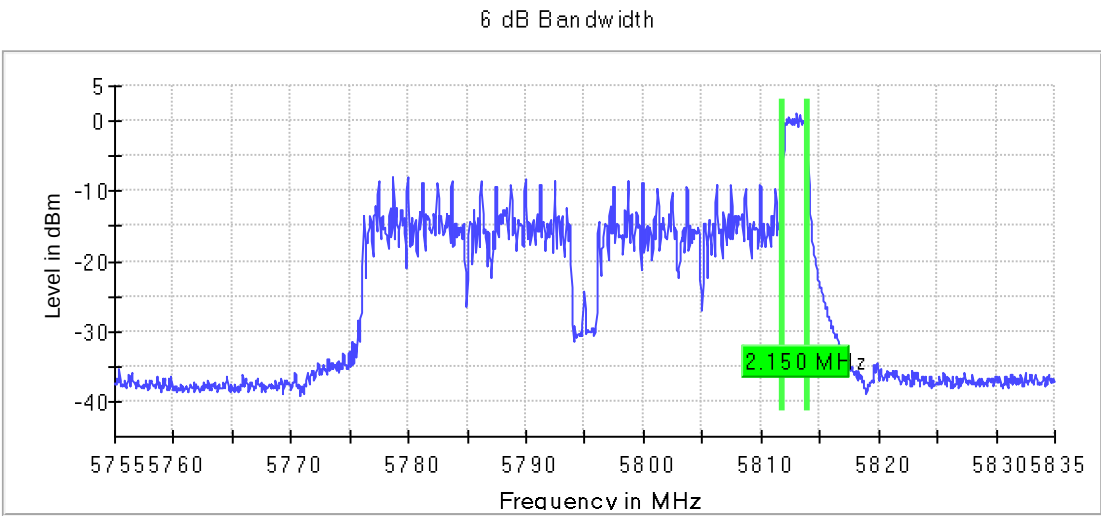
Active Port = 2, Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Active Port = 2, Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
Sweptime	94.727 μ s	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	52 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.21 dB	0.30 dB

Mode: SISO worst
Modulation: 802.11ax HE80 SS1 (OFDM MCS0) – Full RU

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
1	5775.00000	1	78.250

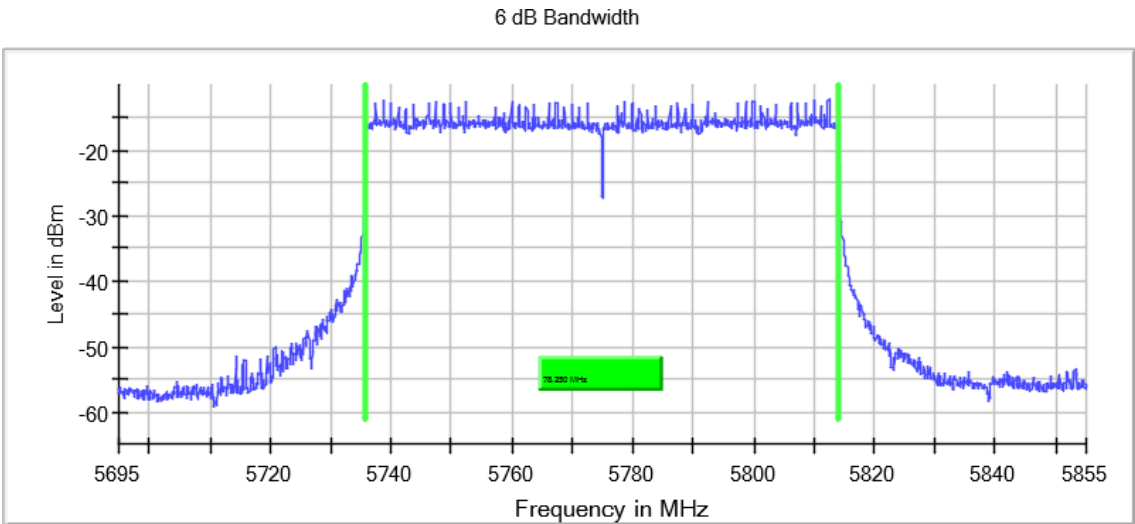
Verdict

Pass

Attachments

Active Port = 2, Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	160.000 MHz	160.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	3200	~ 3200
SweepTime	189.453 μ s	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	70 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.15 dB	0.30 dB

Mode: SISO worst
Modulation: 802.11ax HE80 SS1 (OFDM MCS0) – Partial RU

Results

Port	Freq (MHz)	# of Tx Chains	6dB BW (MHz)
1	5775.00000	1	2.100

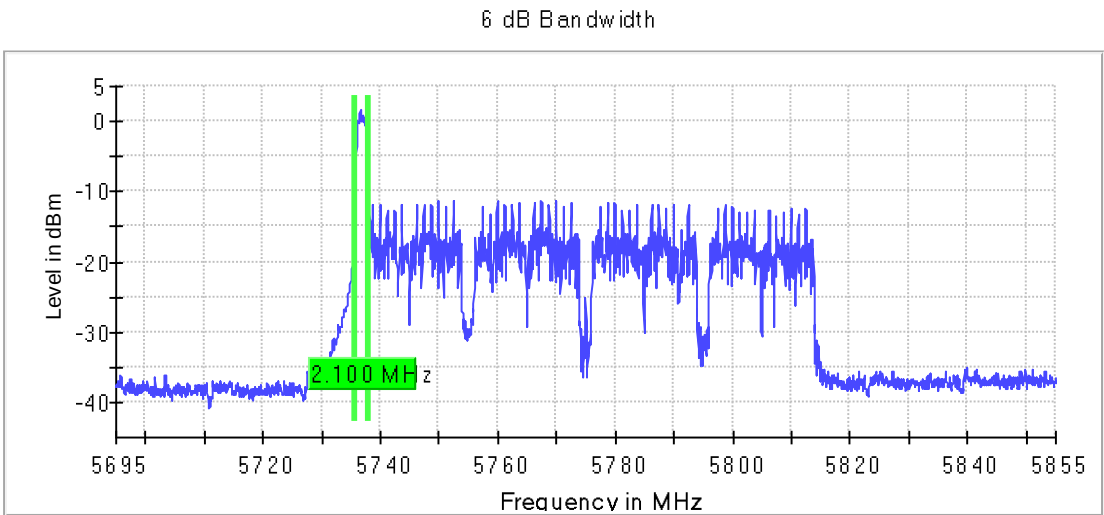
Verdict

Pass

Attachments

Active Port = 2, Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), MIMO Mode = SISO, Number of Transmission Chains = 1

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	160.000 MHz	160.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	3200	~ 3200
SweepTime	189.453 μ s	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	70 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.15 dB	0.30 dB

Appendix B.2: MIMO

TEST CASES DETAILS

FCC 15.407 (a) / RSS-247 6.2 Power Limits. Maximum Output Power

Limits

FCC 15.407:

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

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

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RSS-247:

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

For devices other than devices installed in vehicles:

For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW (23 dBm) or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

For the 5.25-5.35 GHz, 5.470-5.6 GHz, and 5.650-5.725 GHz bands, the maximum conducted output power shall not exceed 250 mW (24 dBm) or $11 + 10 \log_{10} B$, dBm, whichever power is less. The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less.

For the band 5.725-5.850 GHz, the maximum conducted output power shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note:

- 1- The maximum conducted output power was measured using the method according to clause E) 3) b) (Method PM-G) of 789033 D02 General UNII Test Procedures New Rules v02r01.
- 2- The e.i.r.p. levels are calculated by adding the declared maximum antenna gain (dBi).
- 3- For 2Tx CDD MIMO modes, in accordance with KDB 662911 D01 v02r01 Section F)2)f)i), directional gain for power measurements: was calculated as follows:

$$\text{Directional gain}_{\text{POWER}} = G_{\text{ANT}} \text{ dBi} (N_{\text{ANT}} < 4)$$

$$\text{Directional gain}_{\text{POWER}} = G_{\text{ANT}} + 5 \text{ dBi}$$

$$\text{Power Antenna Gain MIMO Chain 0 \& 1:} + 5 \text{ dBi}$$

For MIMO CDD operation modes, the limit should be reduced by the amount in dB the antenna gain exceeds 6 dBi. In this case the limit is not reduced due to the antenna gain calculations is 5 dBi.

- 4- For all operation modes, the antenna gain is less than 6 dBi.

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11a (OFDM 6 Mbit/s)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5180.00000	No	2	8.5	13.5
1+2	5200.00000	No	2	8.7	13.7
1+2	5240.00000	No	2	8.8	13.8
1+2	5745.00000	No	2	7	12.0
1+2	5785.00000	No	2	7.2	12.2
1+2	5825.00000	No	2	7.1	12.1

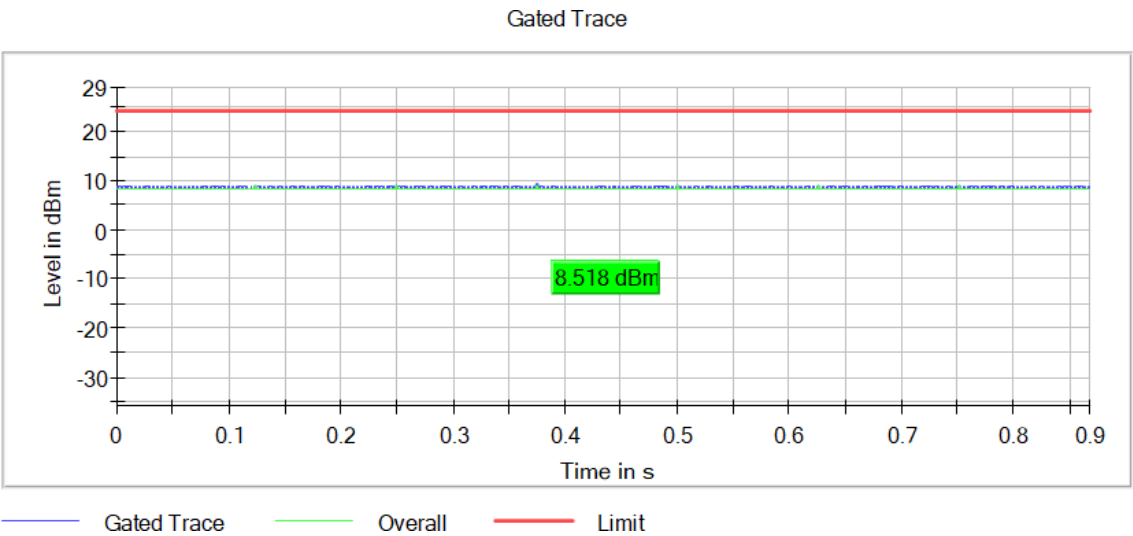
Verdict

Pass

Attachments

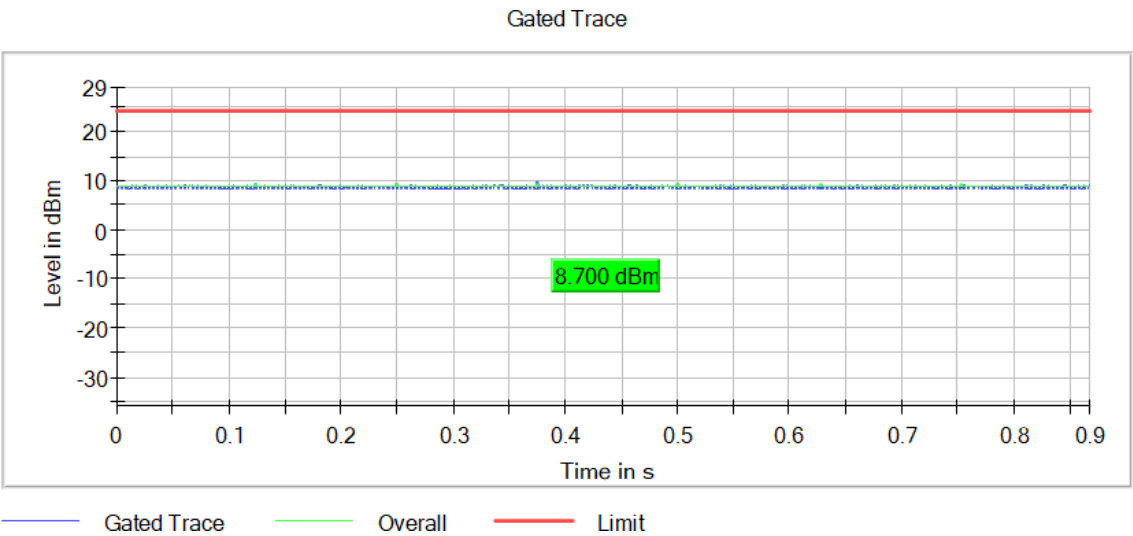
Active Port = 1+2, Frequency MHz = 5180.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



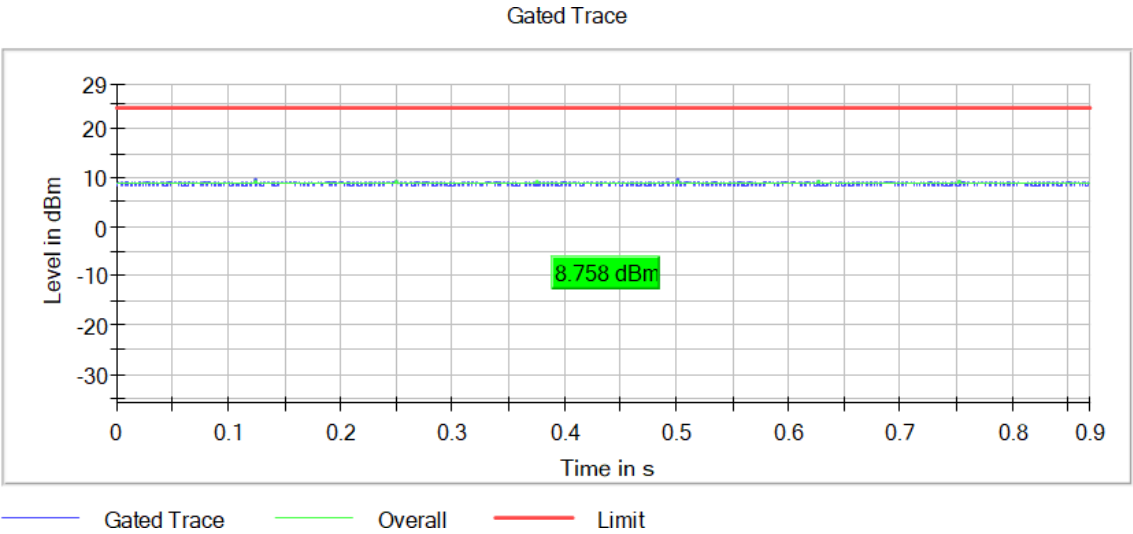
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



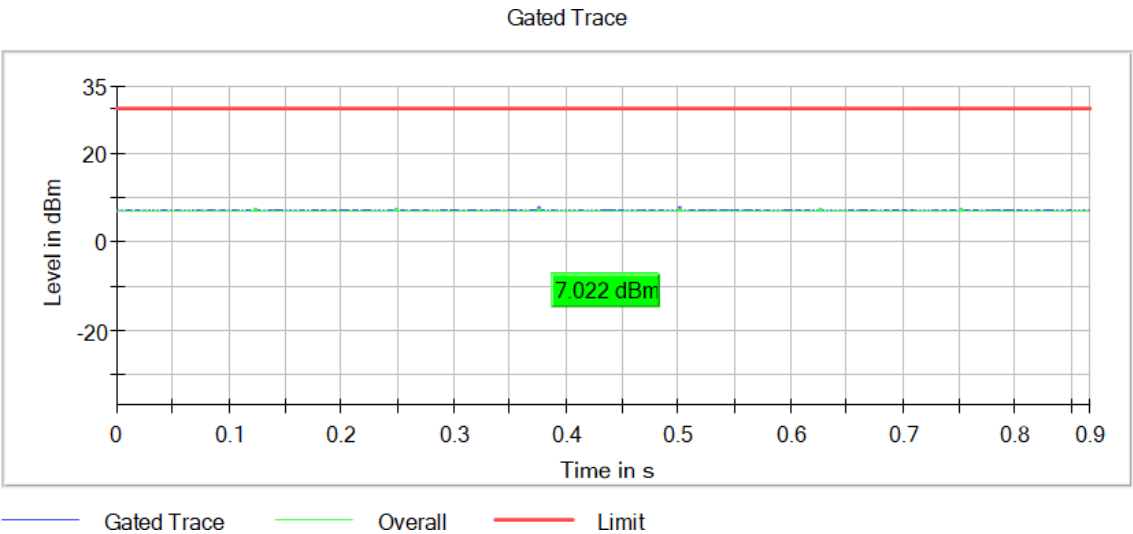
Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



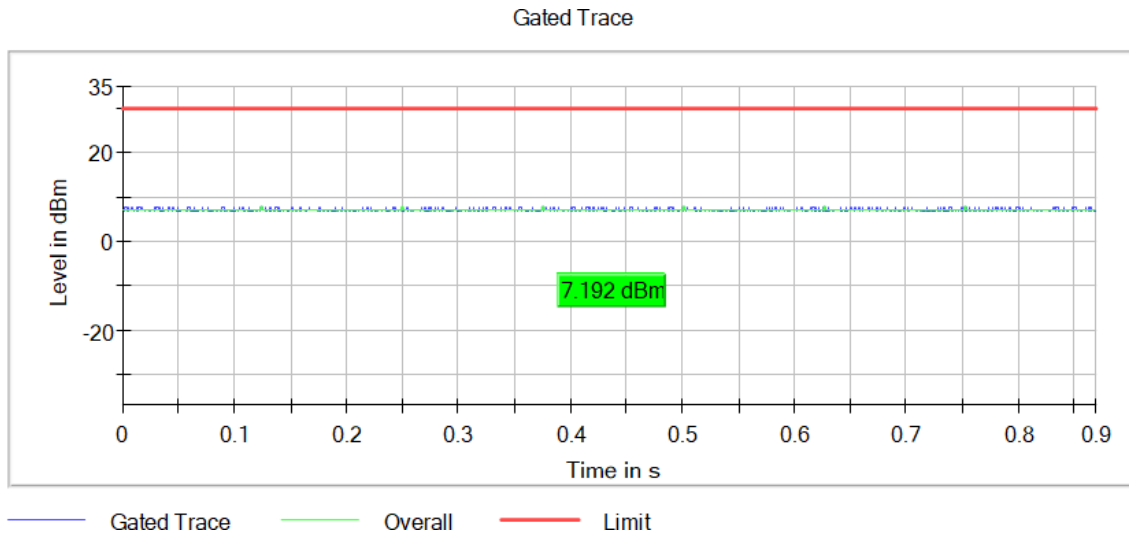
Active Port = 1+2, Frequency MHz = 5745.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



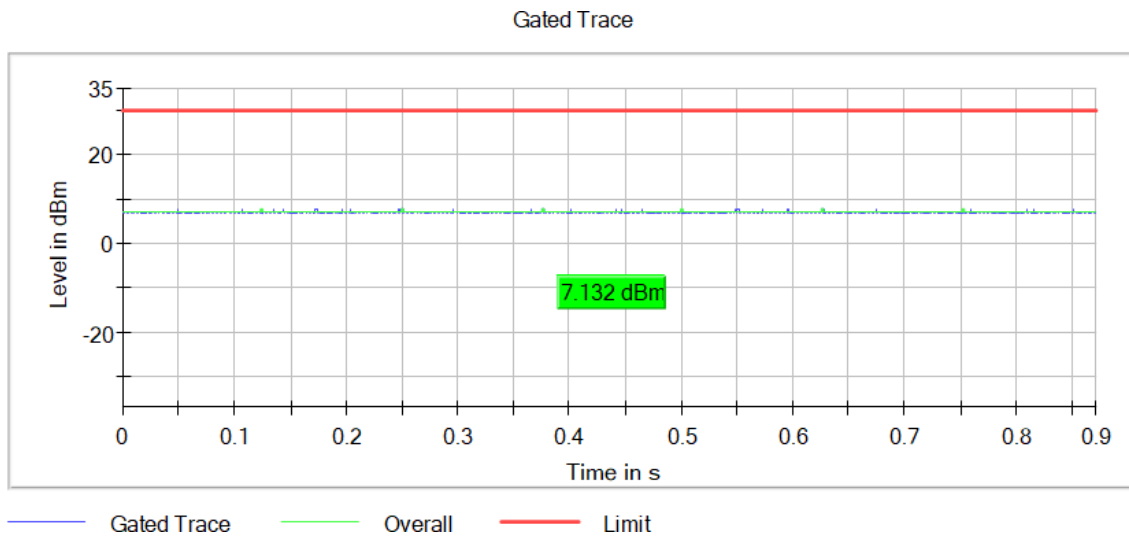
Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5180.00000	No	2	7.8	12.8
1+2	5200.00000	No	2	7.7	12.7
1+2	5240.00000	No	2	7.9	12.9
1+2	5745.00000	No	2	6.2	11.2
1+2	5785.00000	No	2	6.1	11.1
1+2	5825.00000	No	2	6.2	11.2

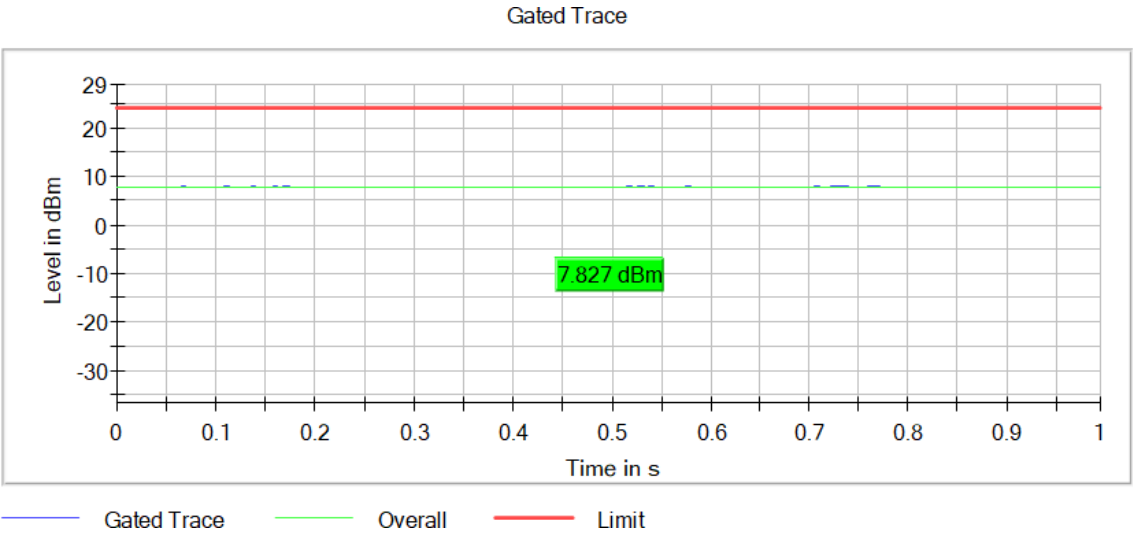
Verdict

Pass

Attachments

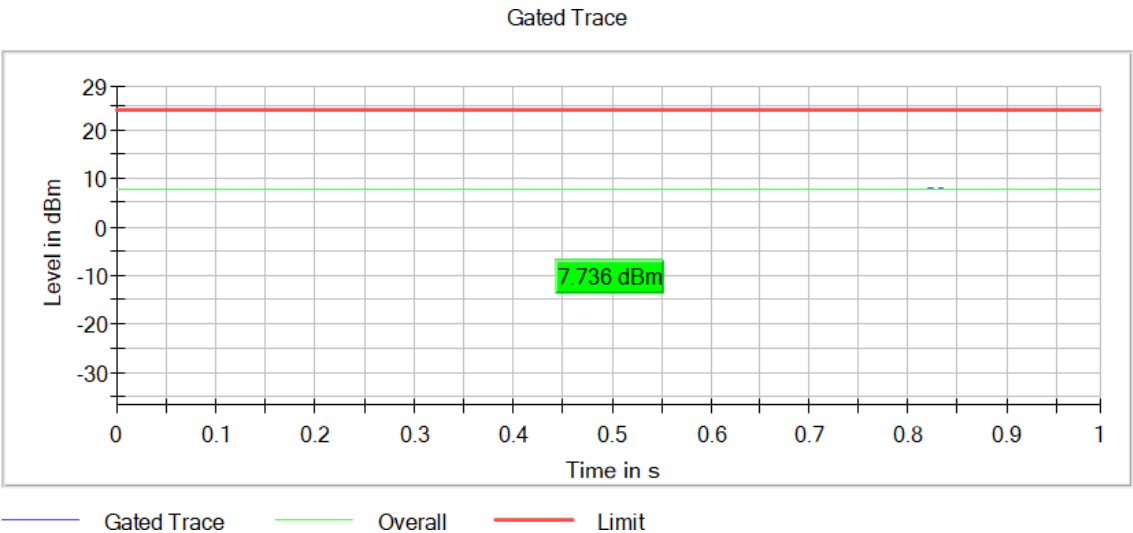
Active Port = 1+2, Frequency MHz = 5180.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



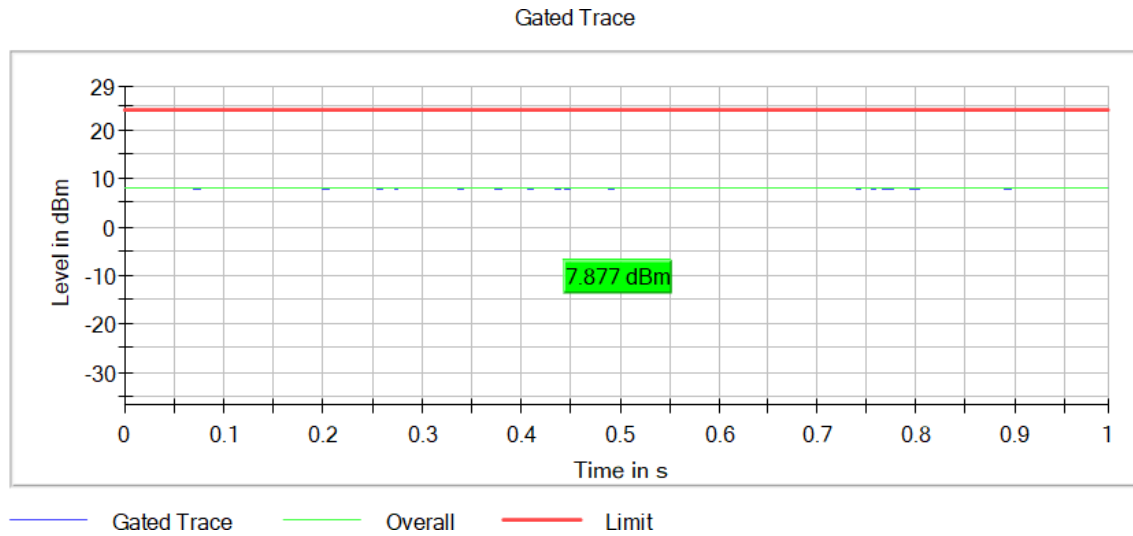
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



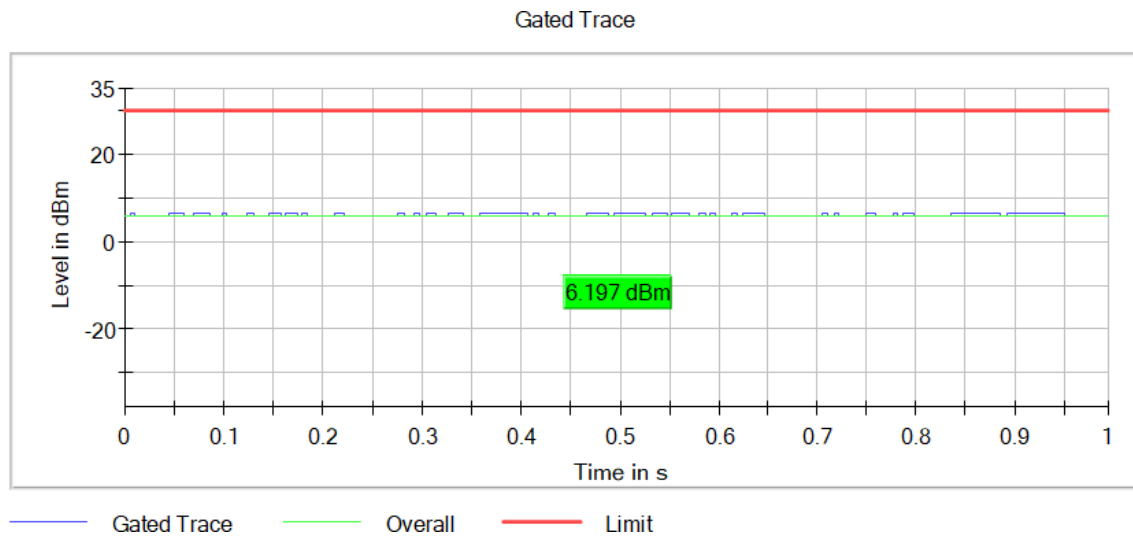
Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



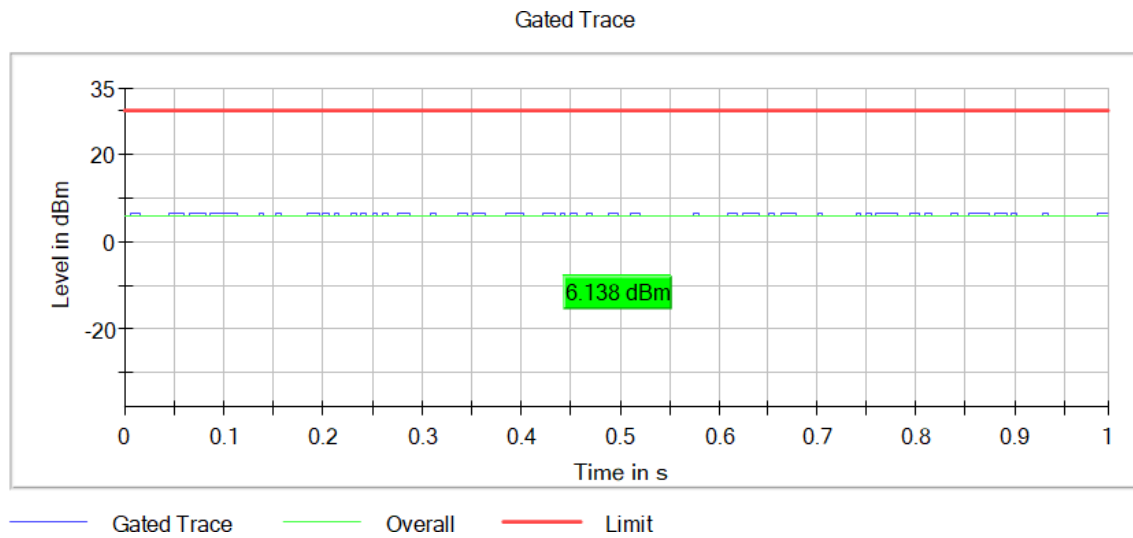
Active Port = 1+2, Frequency MHz = 5745.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



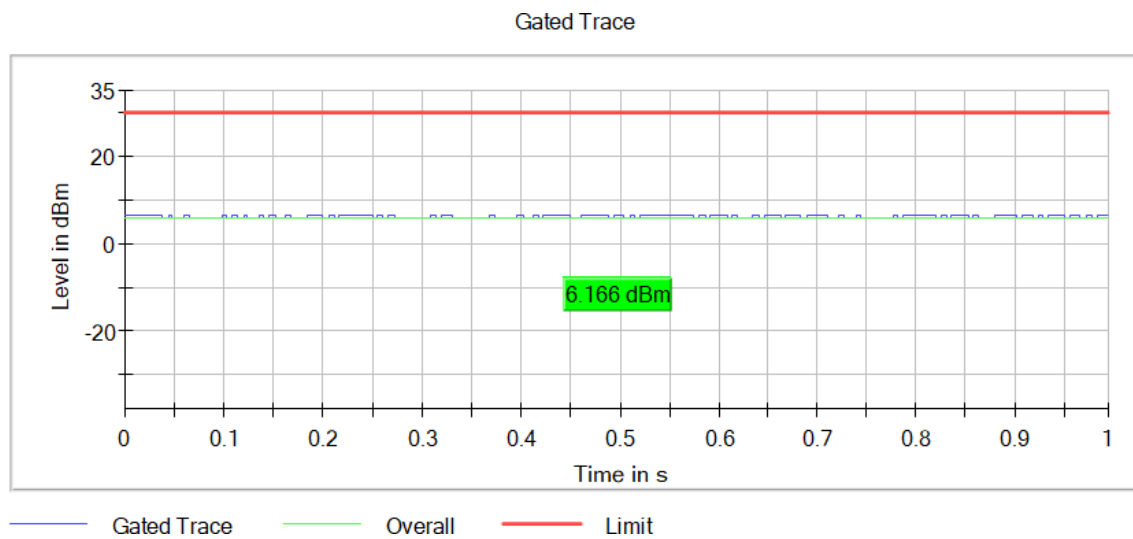
Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11n HT40 (OFDM MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5190.00000	No	2	7.7	12.7
1+2	5230.00000	No	2	7.9	12.9
1+2	5755.00000	No	2	6	11.0
1+2	5795.00000	No	2	6	11.0

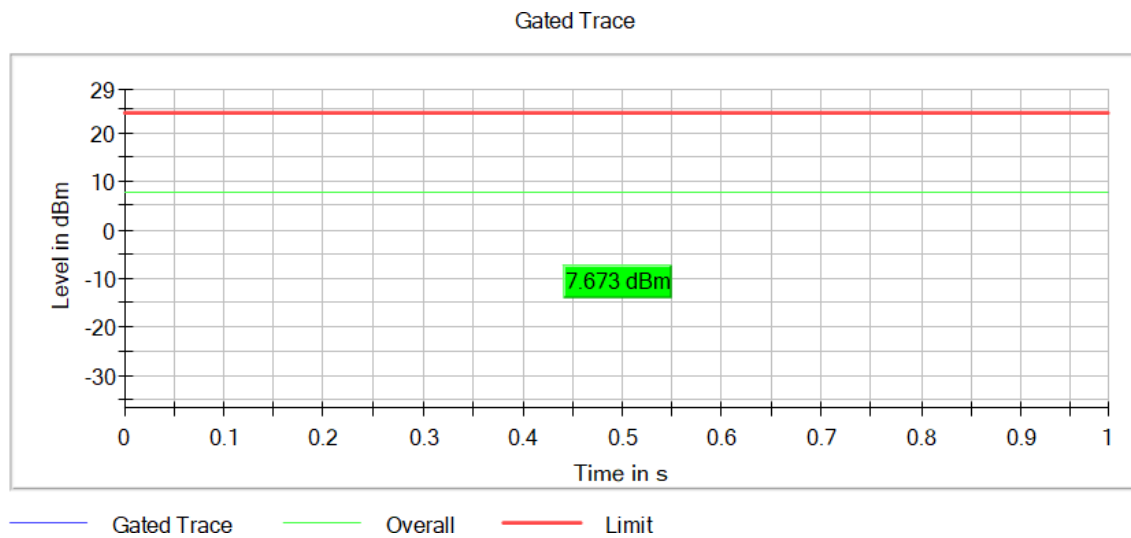
Verdict

Pass

Attachments

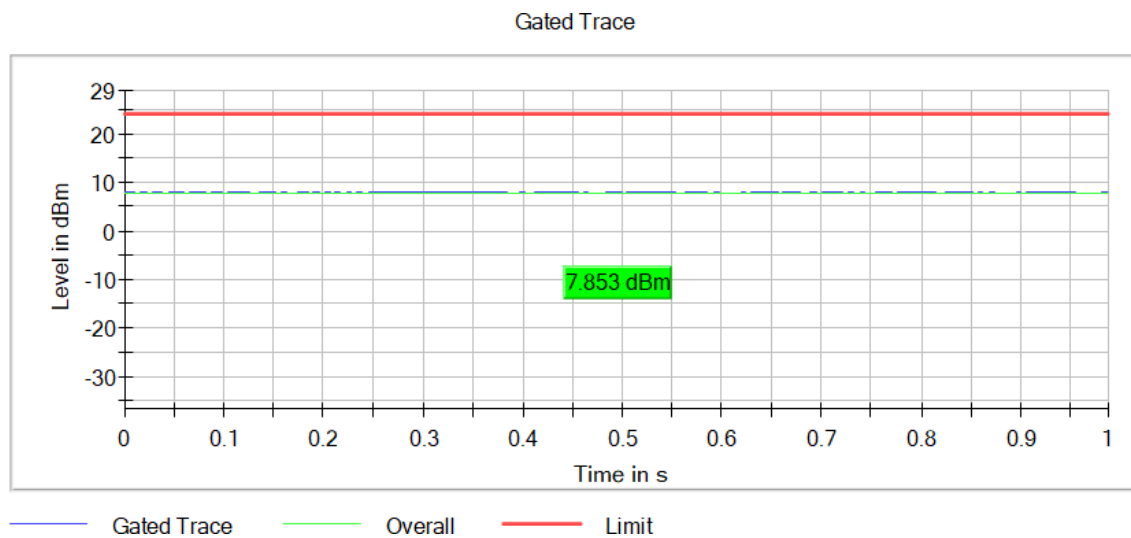
Active Port = 1+2, Frequency MHz = 5190.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



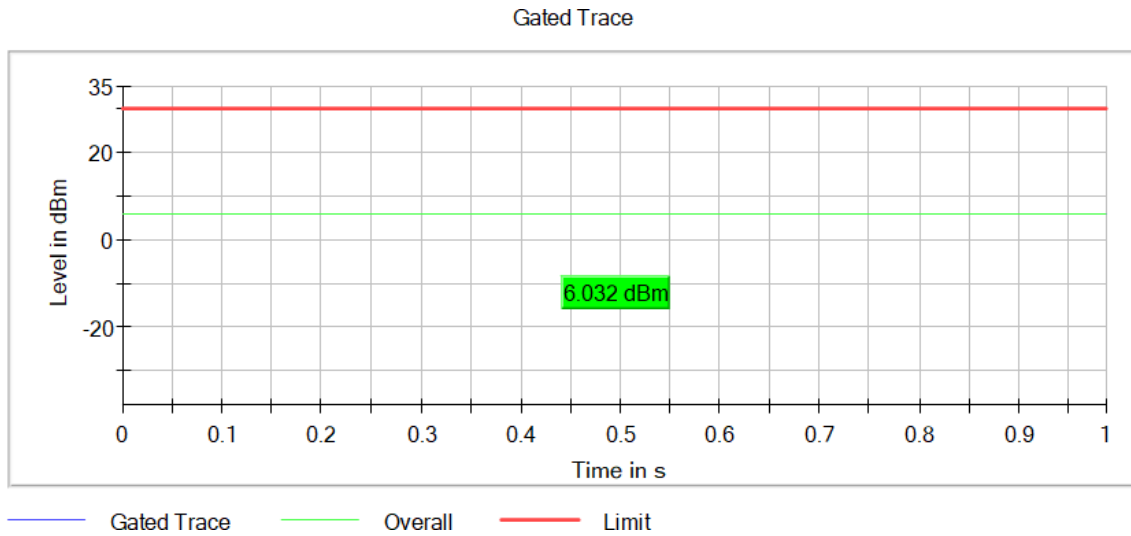
Active Port = 1+2, Frequency MHz = 5230.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



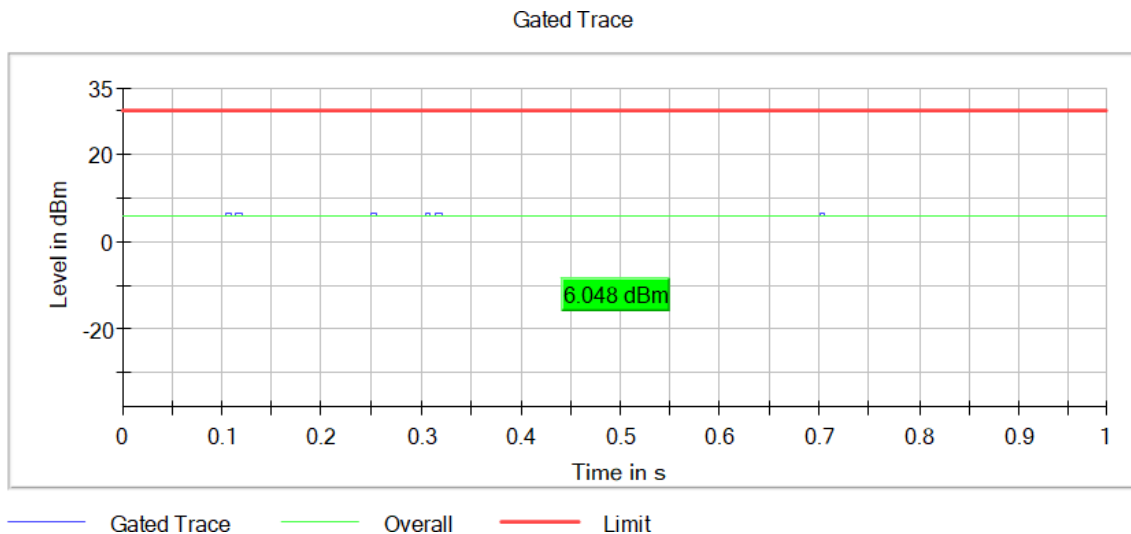
**Active Port = 1+2, Frequency MHz = 5755.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2**

Images:



**Active Port = 1+2, Frequency MHz = 5795.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2**

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT20 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5180.00000	No	2	7.6	12.6
1+2	5200.00000	No	2	7.7	12.7
1+2	5240.00000	No	2	7.9	12.9
1+2	5745.00000	No	2	6	11.0
1+2	5785.00000	No	2	6.1	11.1
1+2	5825.00000	No	2	6.1	11.1

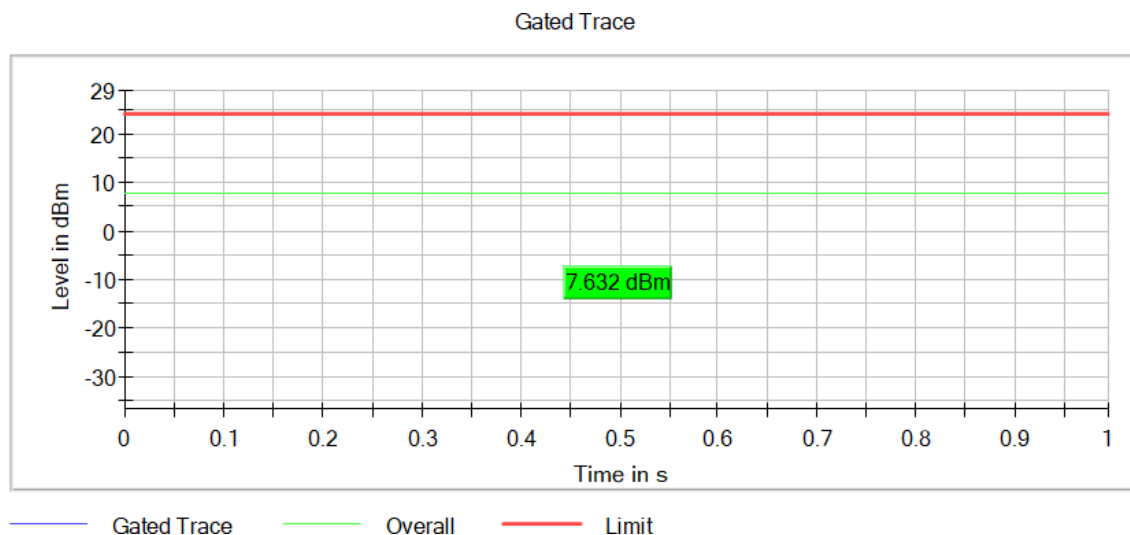
Verdict

Pass

Attachments

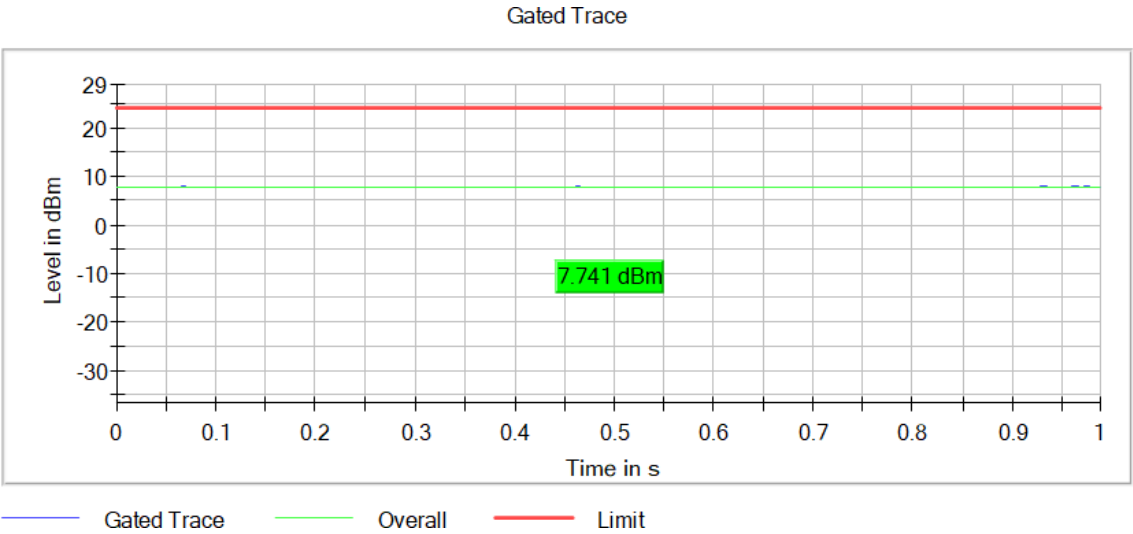
Active Port = 1+2, Frequency MHz = 5180.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



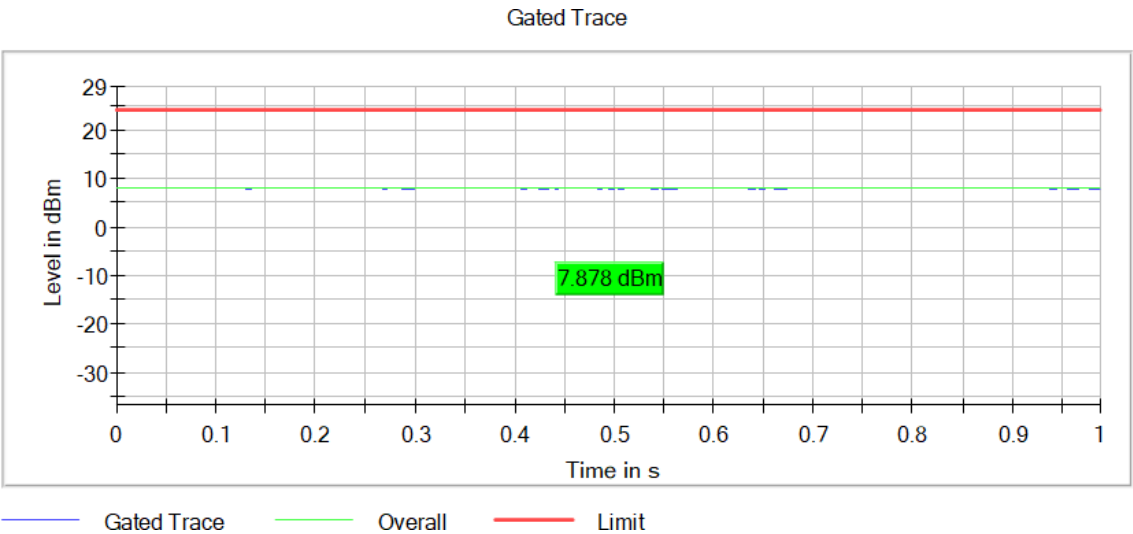
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



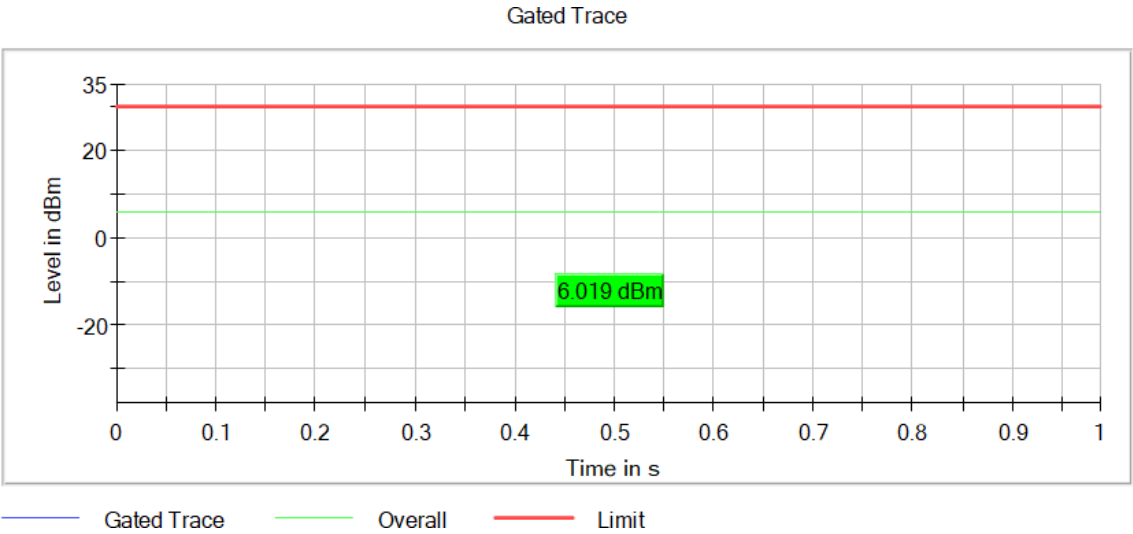
Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



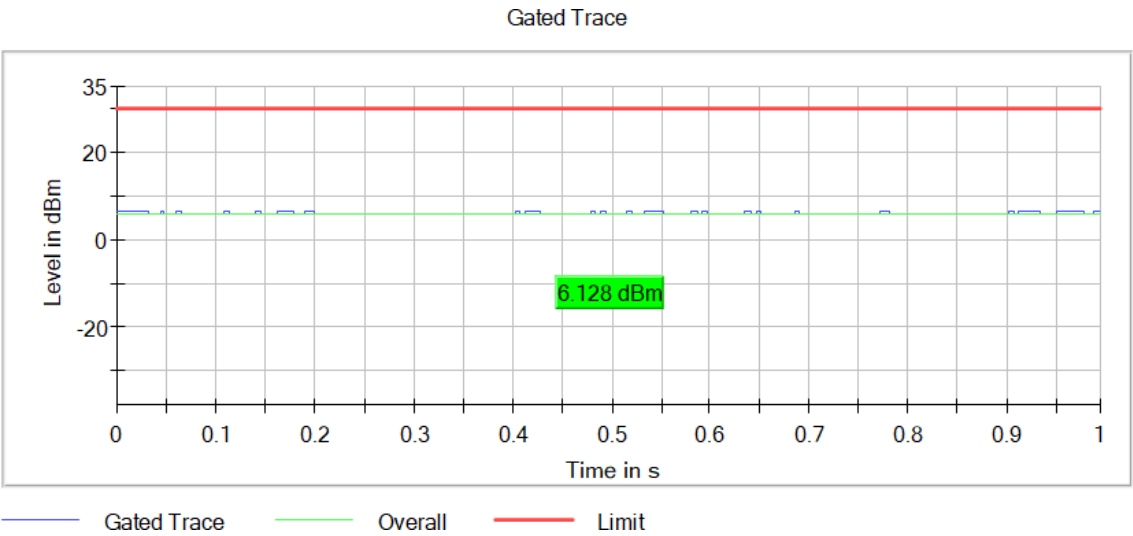
Active Port = 1+2, Frequency MHz = 5745.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



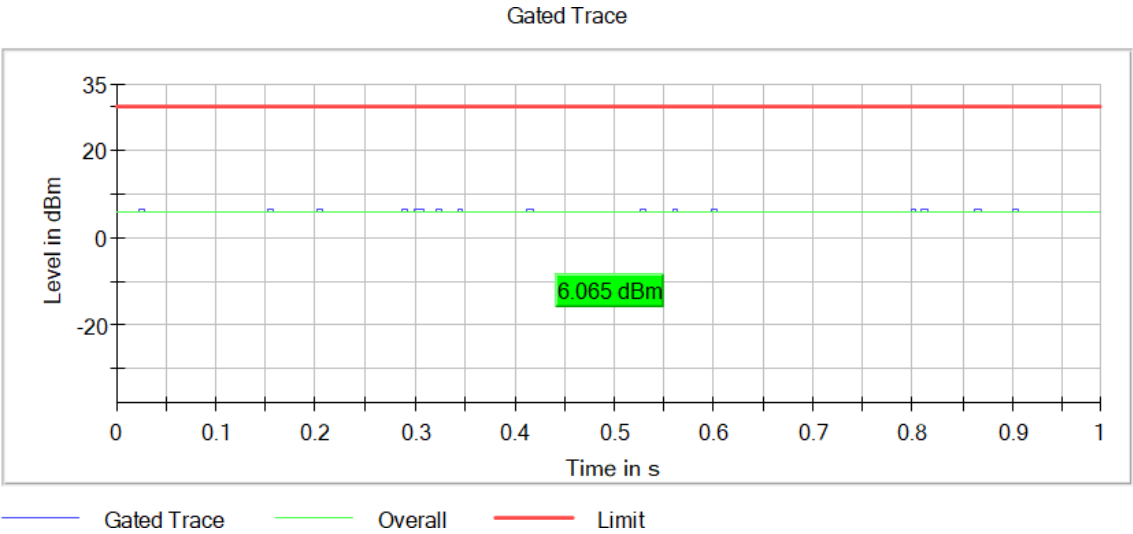
Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Max EIRP (dBm)	Avg Power (dBm)
1+2	5190.00000	No	2	6.20	6.2
1+2	5230.00000	No	2	8.00	8.0
1+2	5755.00000	No	2	6.10	6.1
1+2	5795.00000	No	2	6.10	6.1

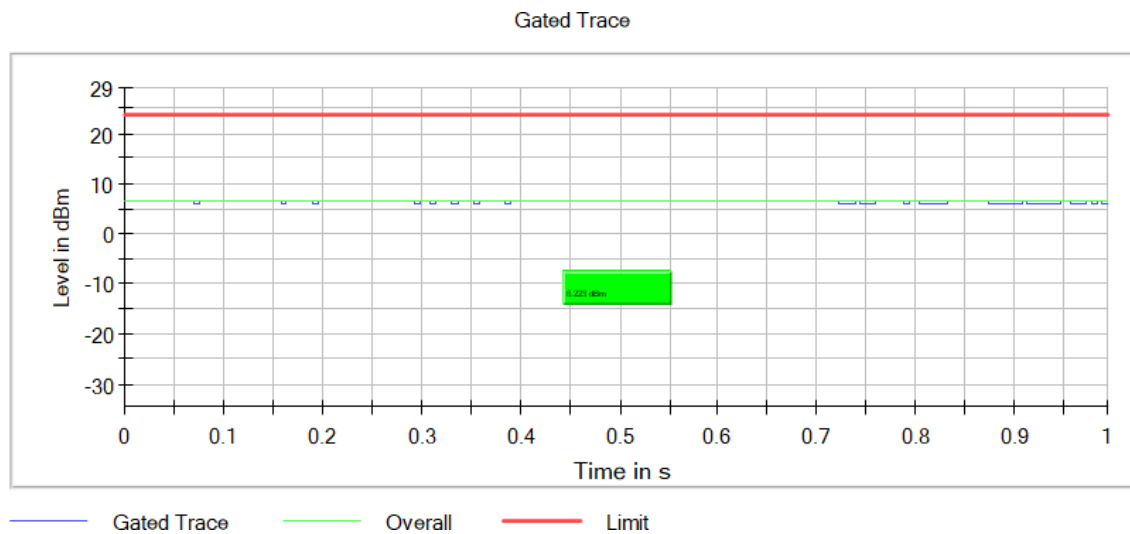
Verdict

Pass

Attachments

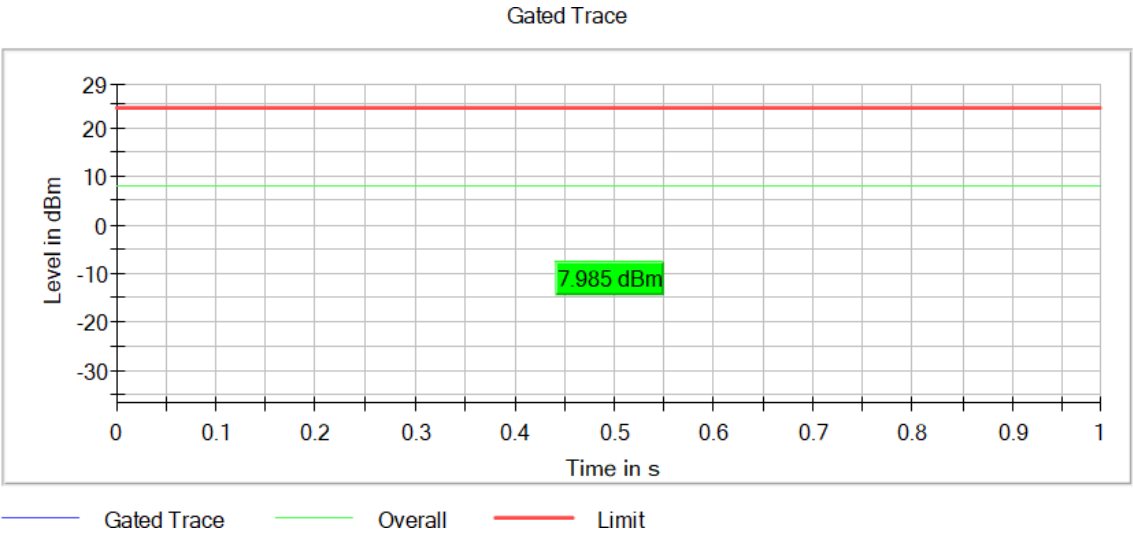
Active Port = 1+2, Frequency MHz = 5190.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



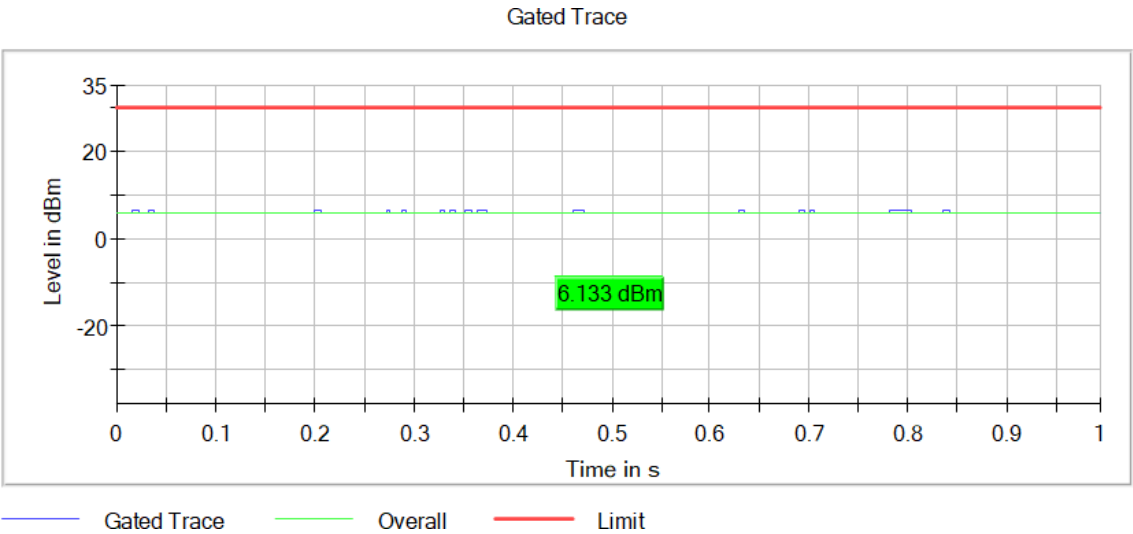
Active Port = 1+2, Frequency MHz = 5230.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



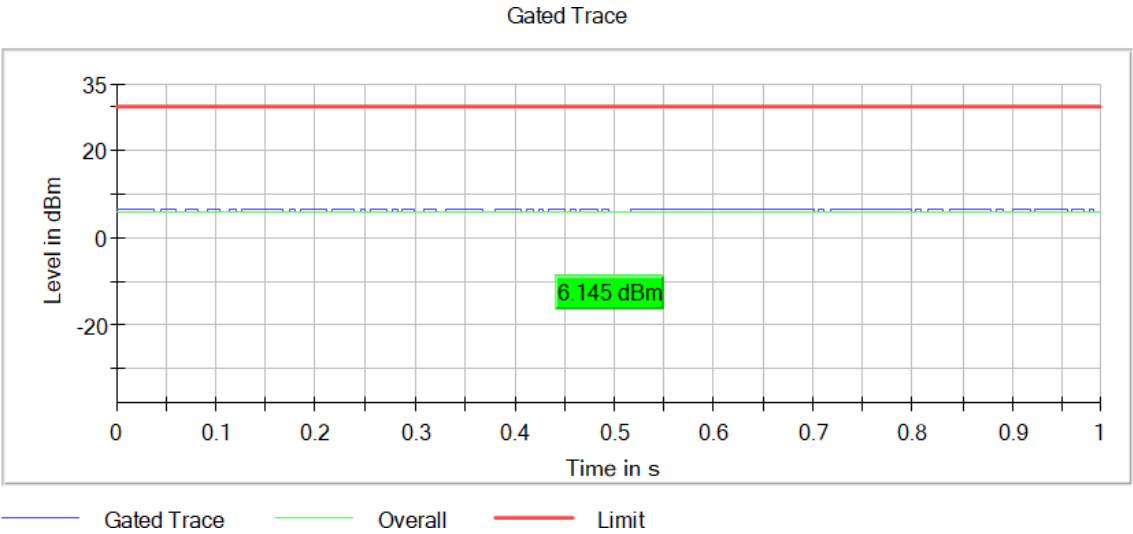
Active Port = 1+2, Frequency MHz = 5755.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5795.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

MIMO Mode: MIMO CCD Mode 2x2
Modulation: 802.11ac VHT80 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5210.00000	No	2	7.3	12.3
1+2	5775.00000	No	2	6.4	11.4

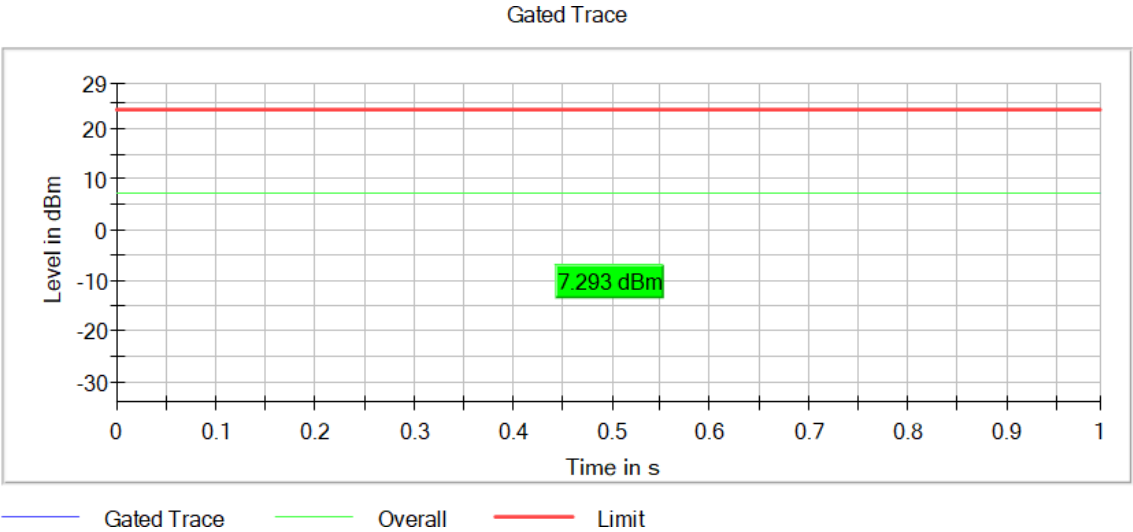
Verdict

Pass

Attachments

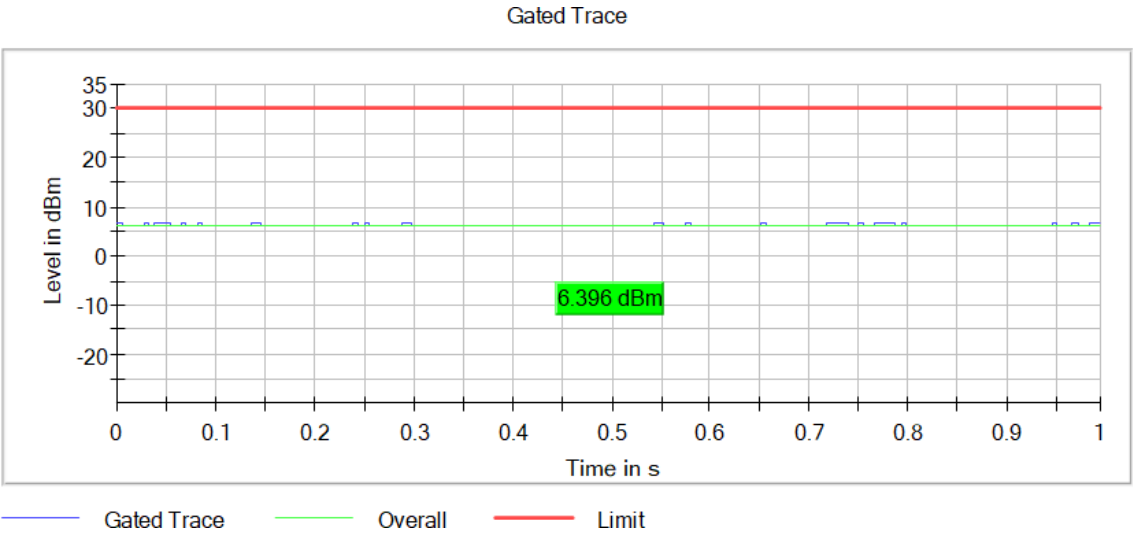
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Images:



Active Port = 1+2, Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:
Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE20 (OFDMA MCS0)- Full RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5180.00000	No	2	6.1	11.1
1+2	5200.00000	No	2	4.9	9.9
1+2	5240.00000	No	2	6.2	11.2
1+2	5745.00000	No	2	5.4	10.4
1+2	5785.00000	No	2	4.7	9.7
1+2	5825.00000	No	2	6	11.0

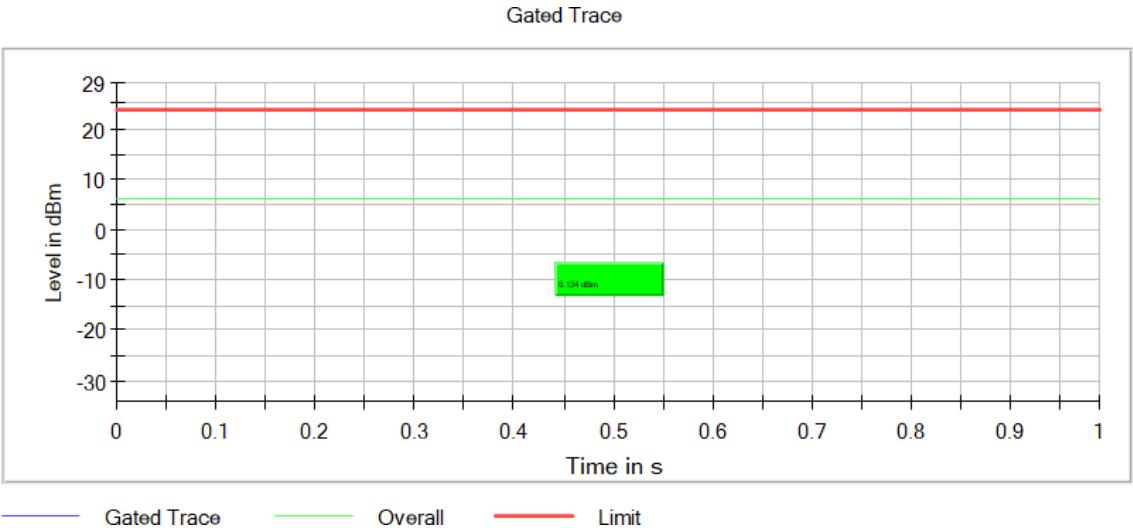
Verdict

Pass

Attachments

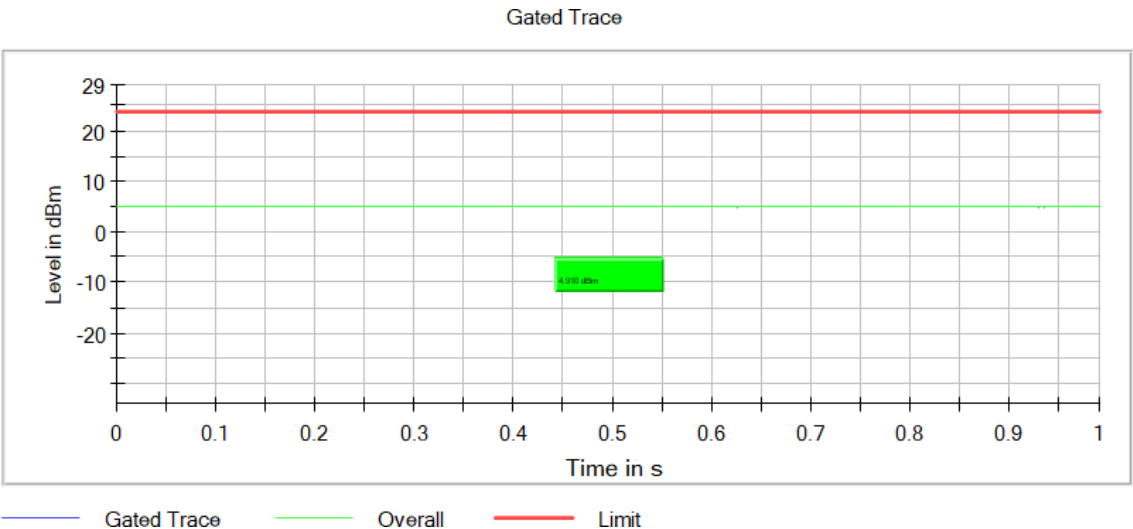
Active Port = 1+2, Frequency MHz = 5180.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



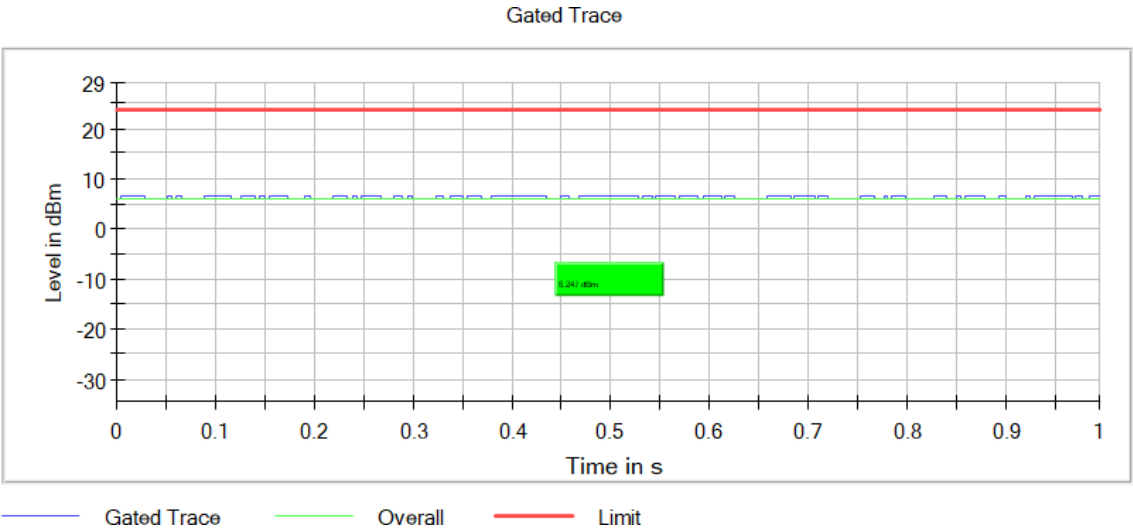
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



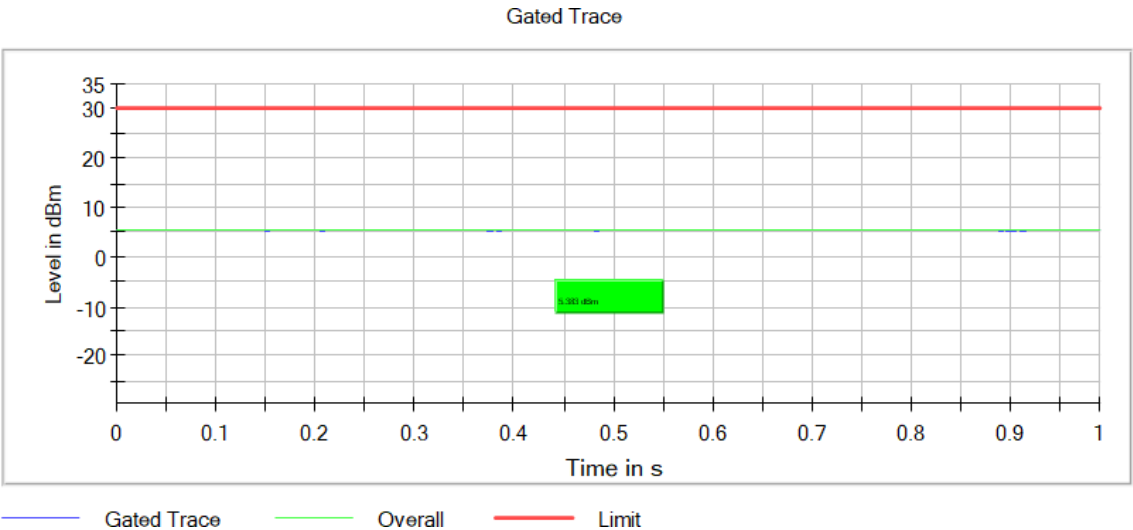
Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



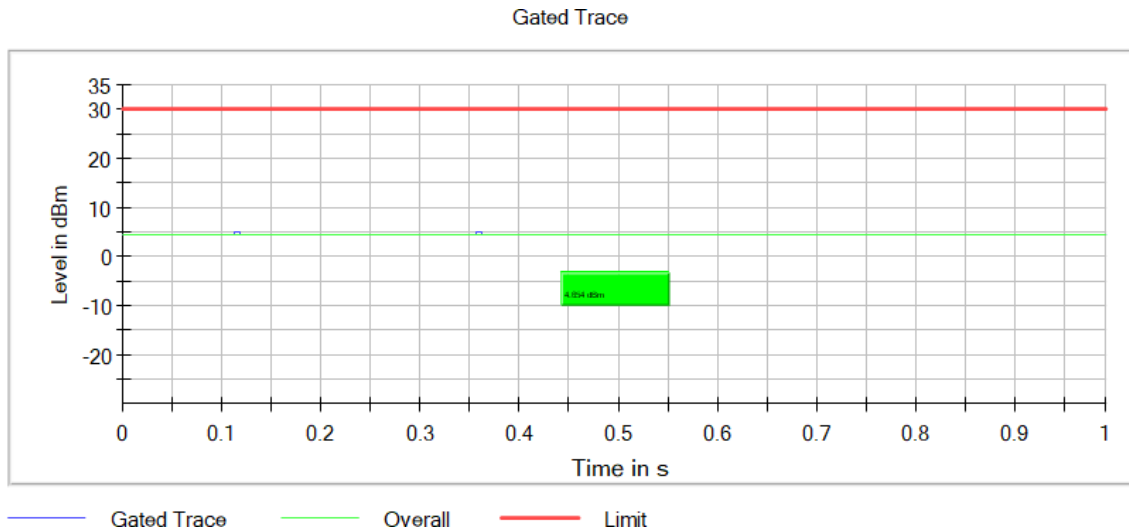
Active Port = 1+2, Frequency MHz = 5745.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



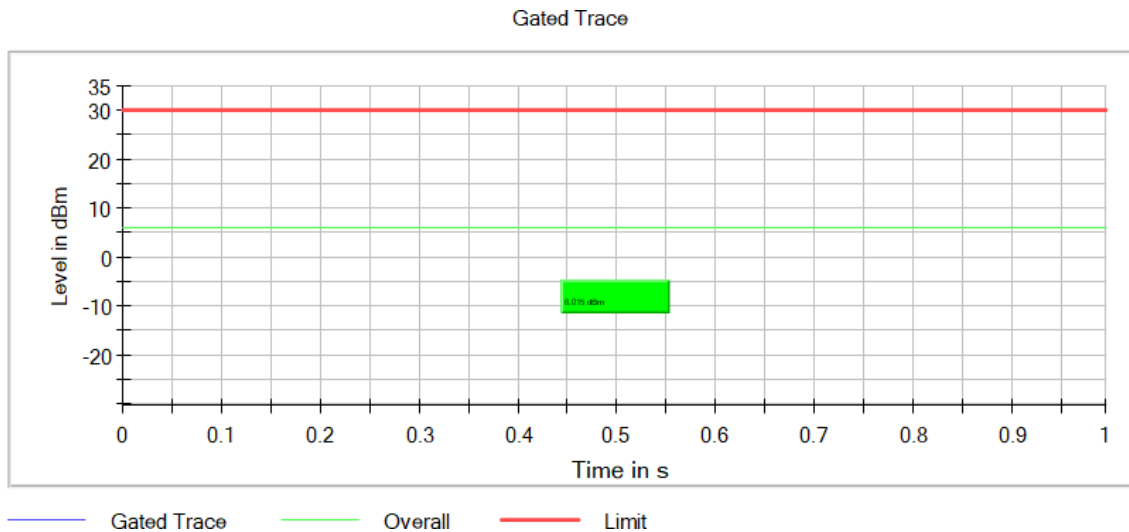
**Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2**

Images:



**Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2**

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE20 (OFDMA MCS0)- Partial RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5180.00000	No	2	6.1	11.1
1+2	5200.00000	No	2	5.7	10.7
1+2	5240.00000	No	2	6.1	11.1
1+2	5745.00000	No	2	3.3	8.3
1+2	5785.00000	No	2	2.9	7.9
1+2	5825.00000	No	2	3.5	8.5

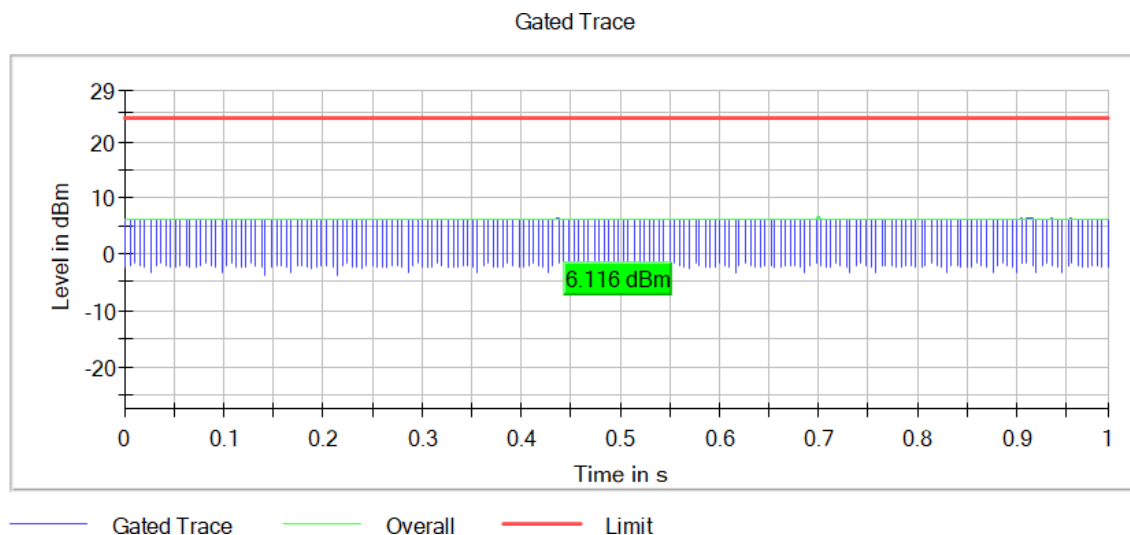
Verdict

Pass

Attachments

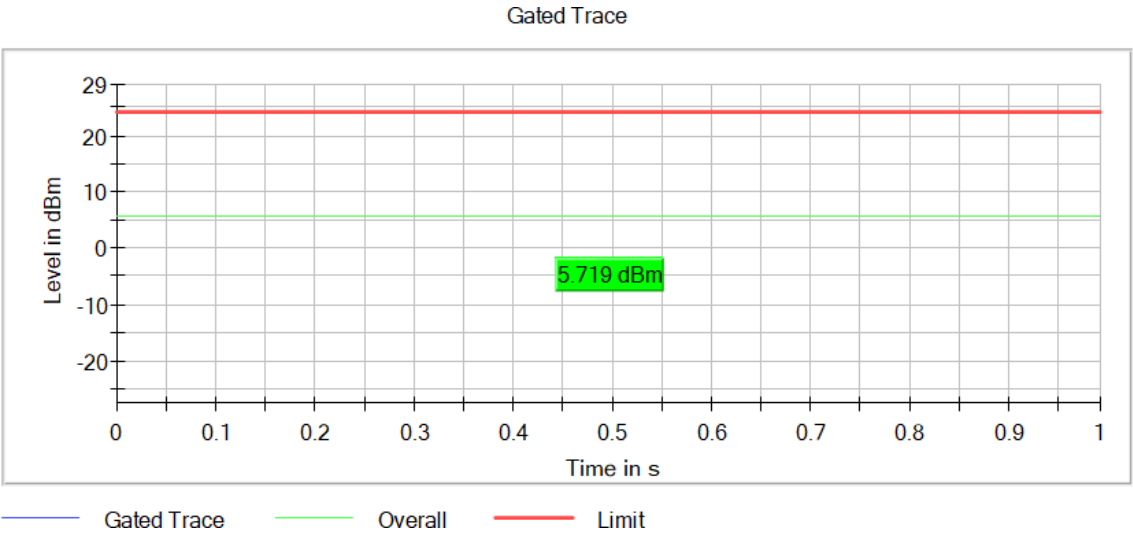
Active Port = 1+2, Frequency MHz = 5180.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



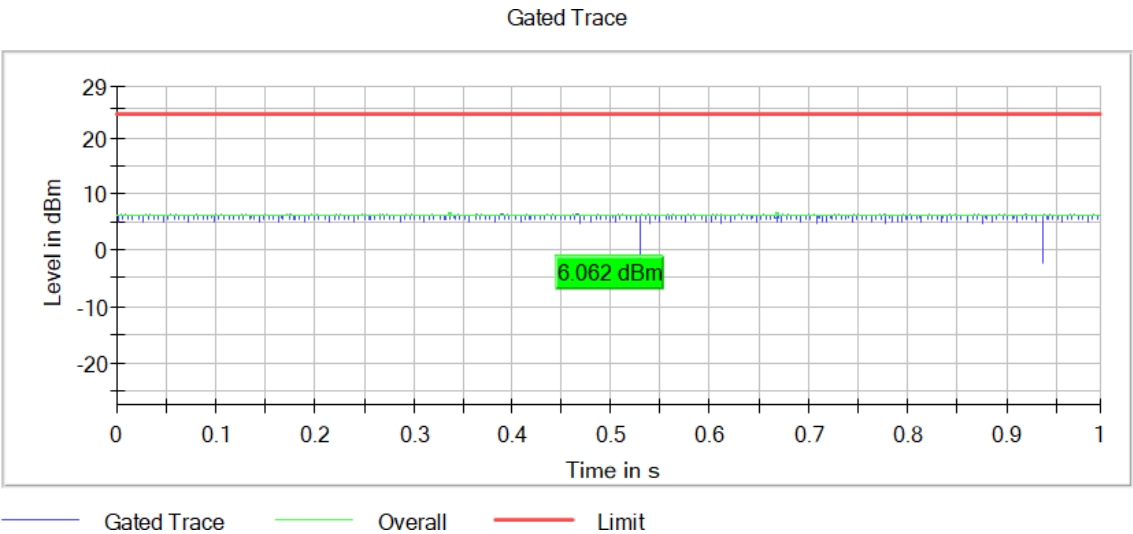
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



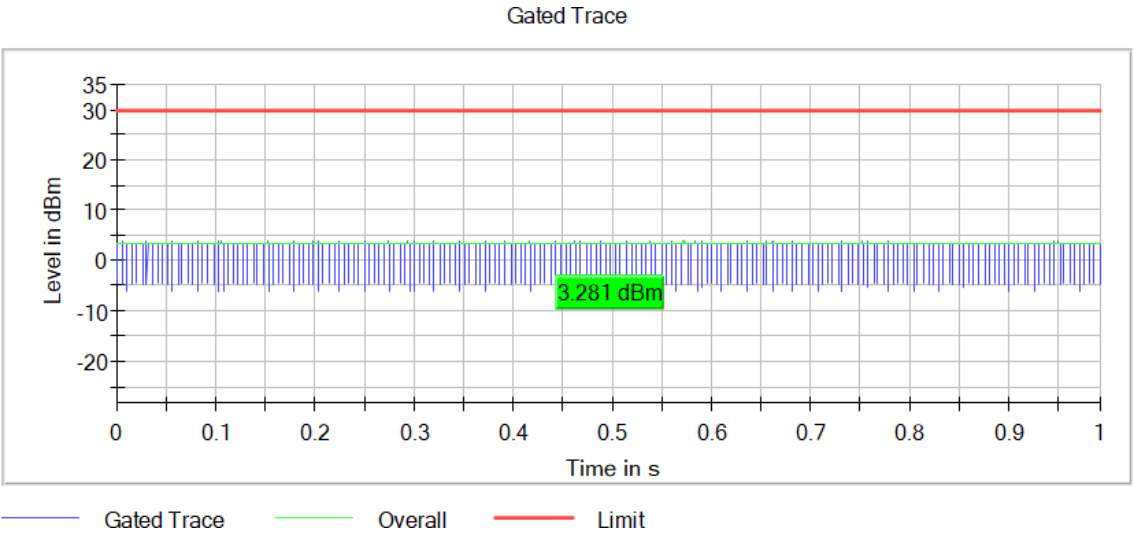
Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



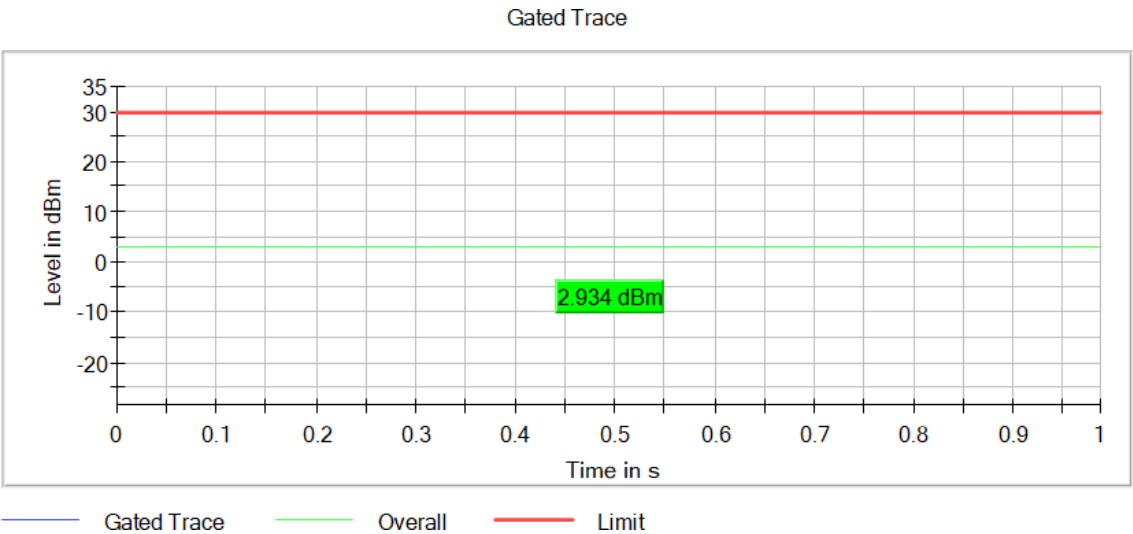
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MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



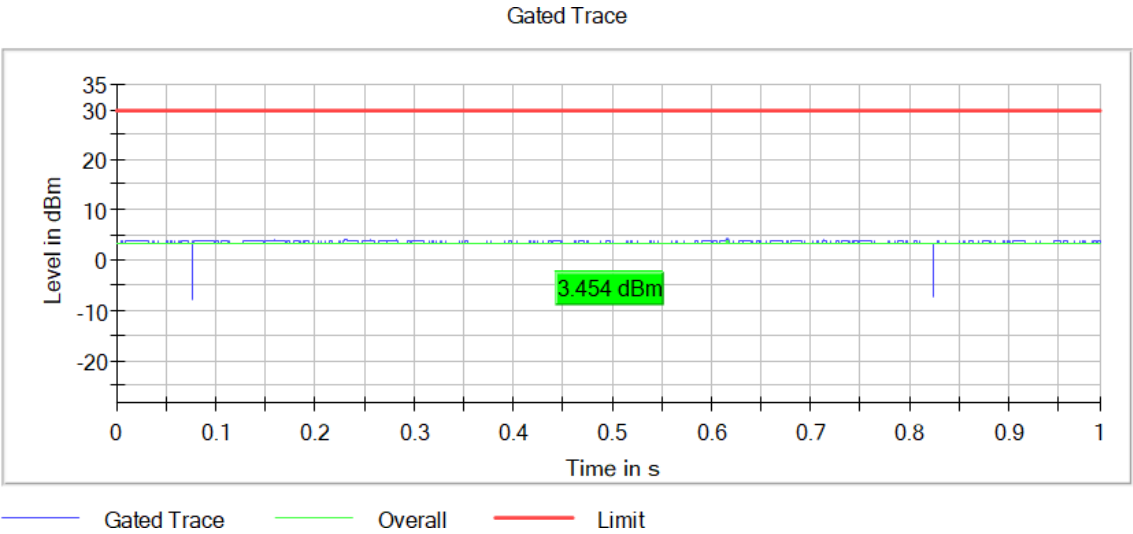
Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE40 SS1 (OFDMA MCS0) – Full RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5190.00000	No	2	6.1	11.1
1+2	5230.00000	No	2	6.6	11.6
1+2	5755.00000	No	2	5.6	10.6
1+2	5795.00000	No	2	5.8	10.8

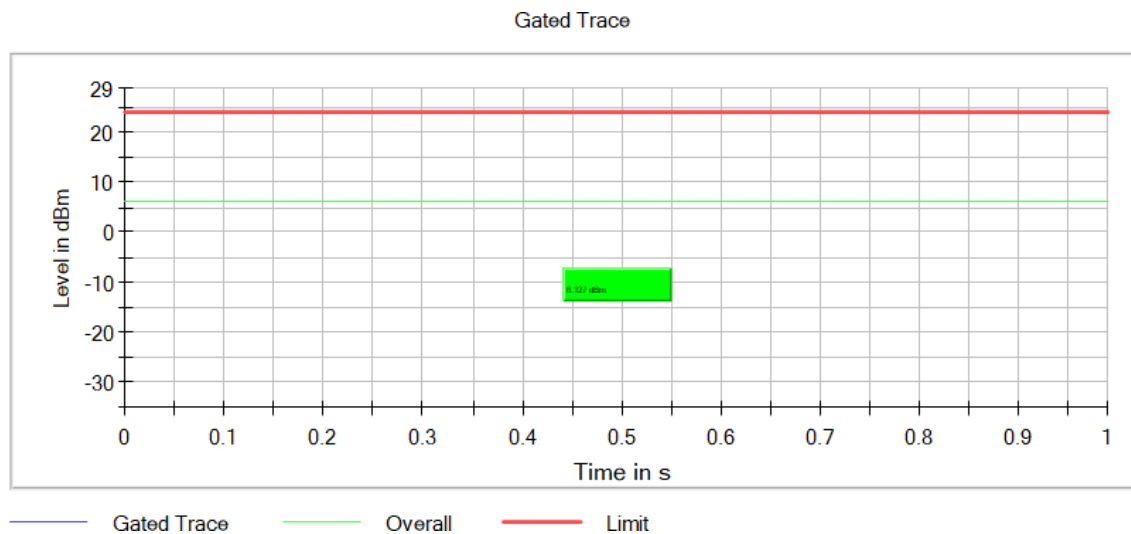
Verdict

Pass

Attachments

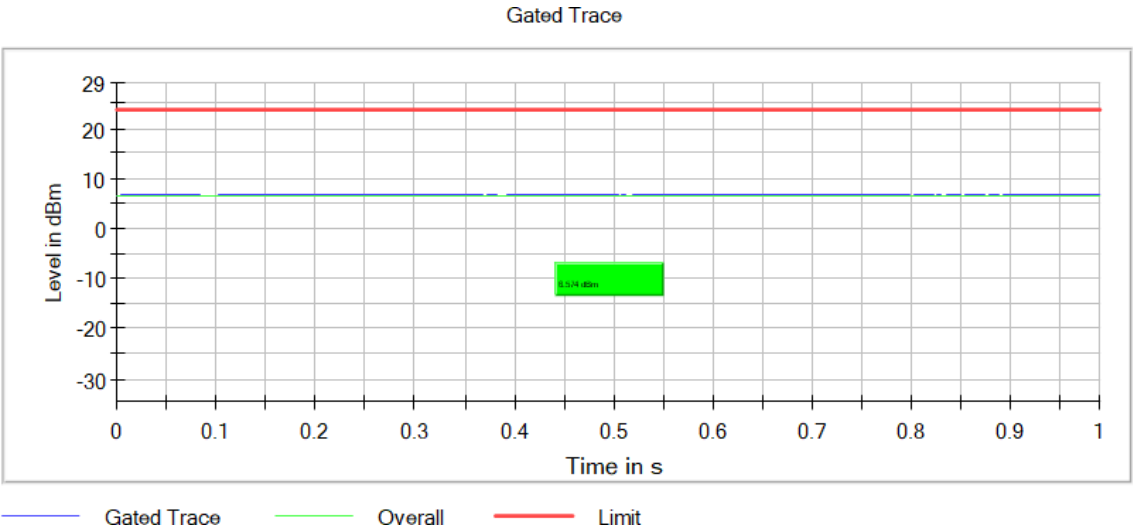
Active Port = 1+2, Frequency MHz = 5190.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



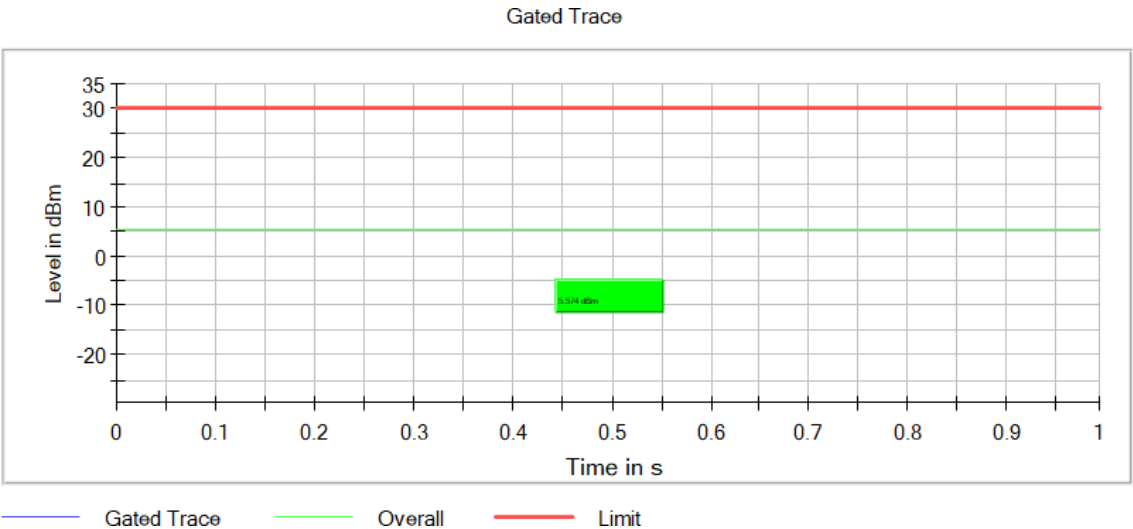
Active Port = 1+2, Frequency MHz = 5230.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



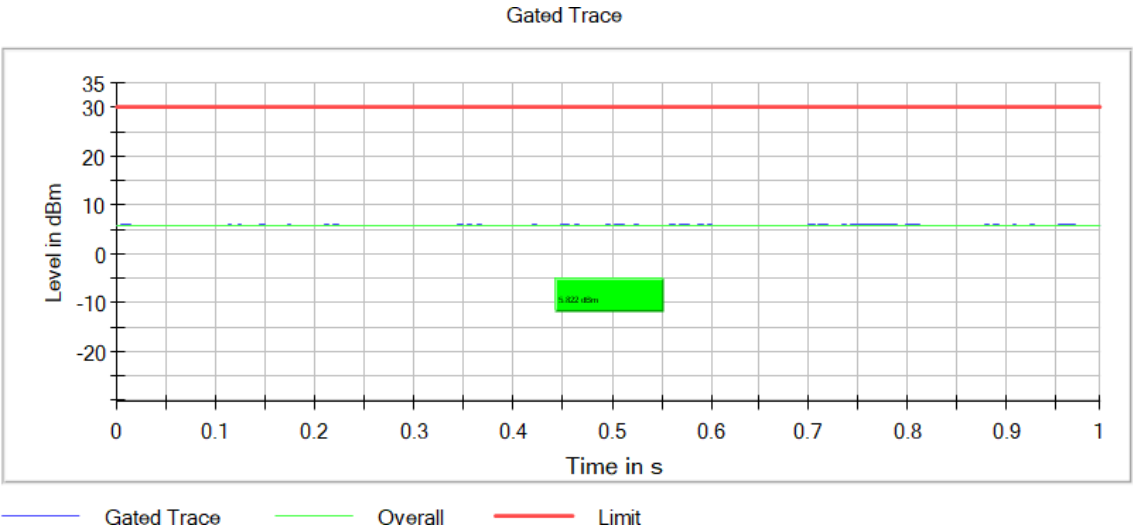
Active Port = 1+2, Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE40 (OFDMA MCS0) – Partial RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5190.00000	No	2	6.1	11.1
1+2	5230.00000	No	2	6.6	11.6
1+2	5755.00000	No	2	5.4	10.4
1+2	5795.00000	No	2	5.4	10.4

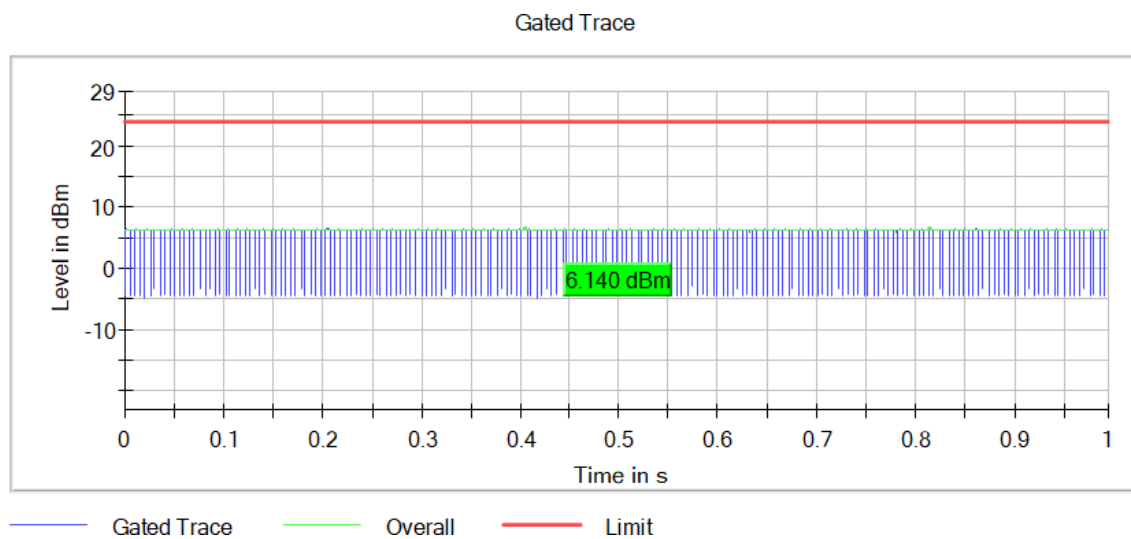
Verdict

Pass

Attachments

Active Port = 1+2, Frequency MHz = 5190.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



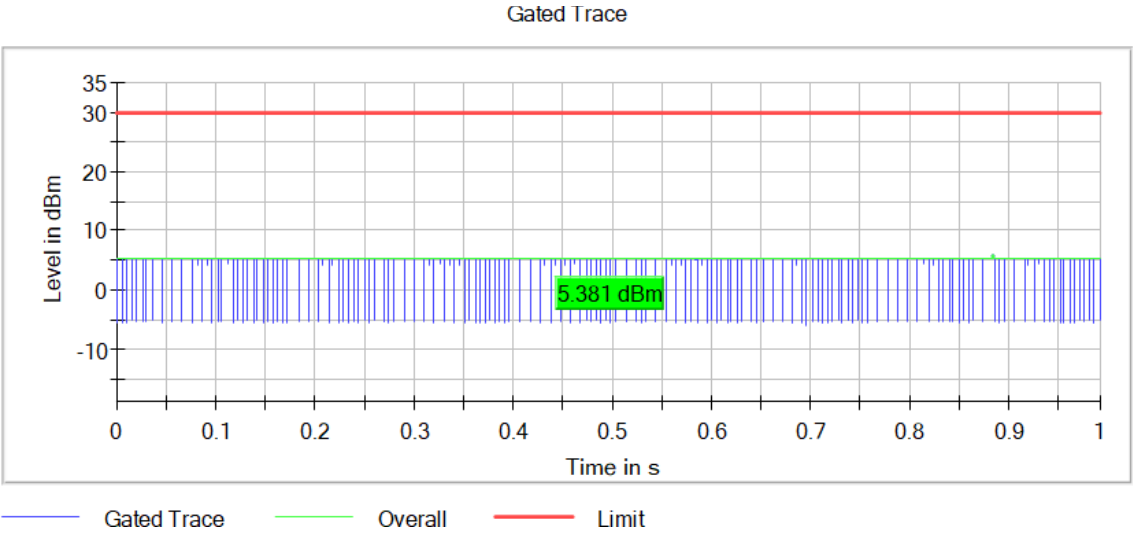
Active Port = 1+2, Frequency MHz = 5230.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



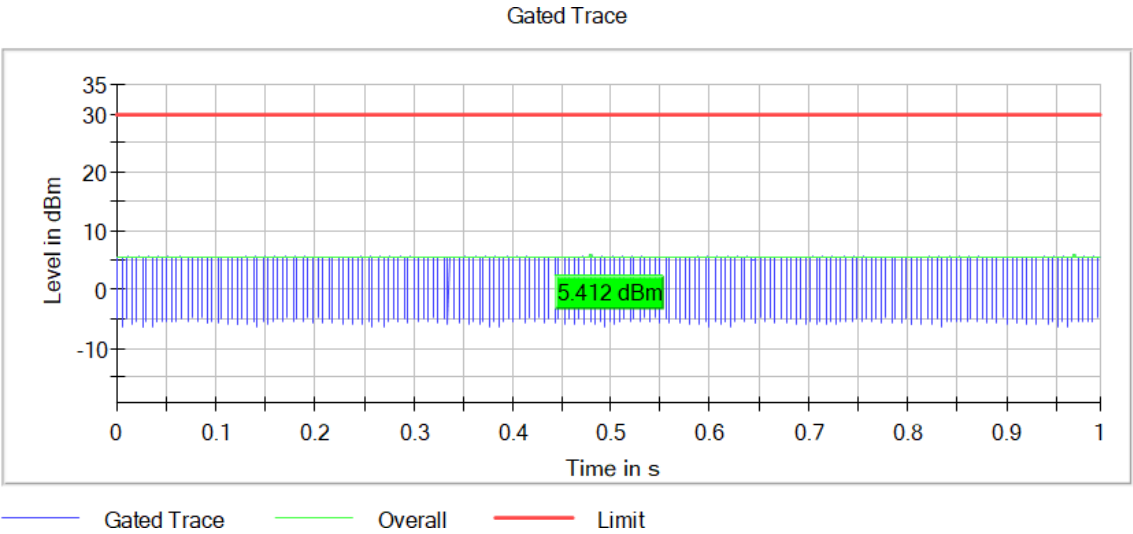
Active Port = 1+2, Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

MIMO Mode: MIMO CCD Mode 2x2 – Full RU
Modulation: 802.11ax HE80 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5210.00000	No	2	5.1	10.1
1+2	5775.00000	No	2	5.1	10.1

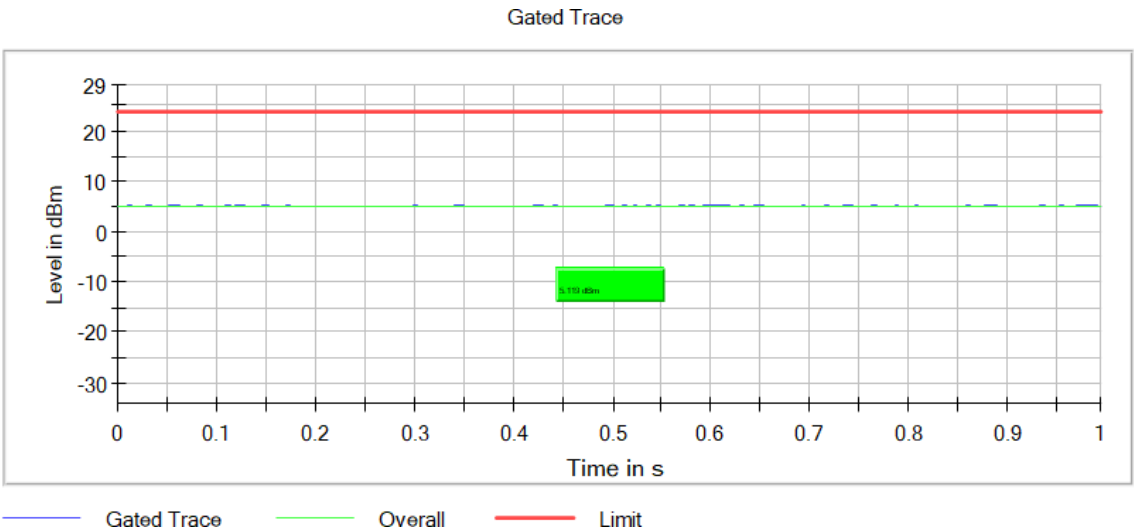
Verdict

Pass

Attachments

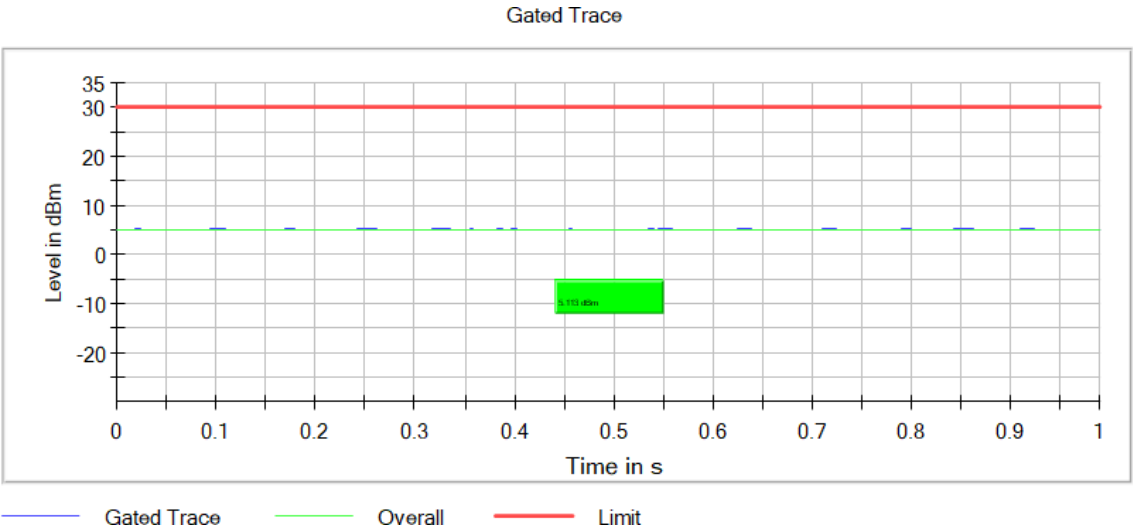
Active Port = 1+2, Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

MIMO Mode: MIMO CCD Mode 2x2 – Partial RU
Modulation: 802.11ax HE80 SS1 (OFDMA MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Avg Power (dBm)	Max EIRP (dBm)
1+2	5210.00000	No	2	6.7	11.7
1+2	5775.00000	No	2	3.5	8.5

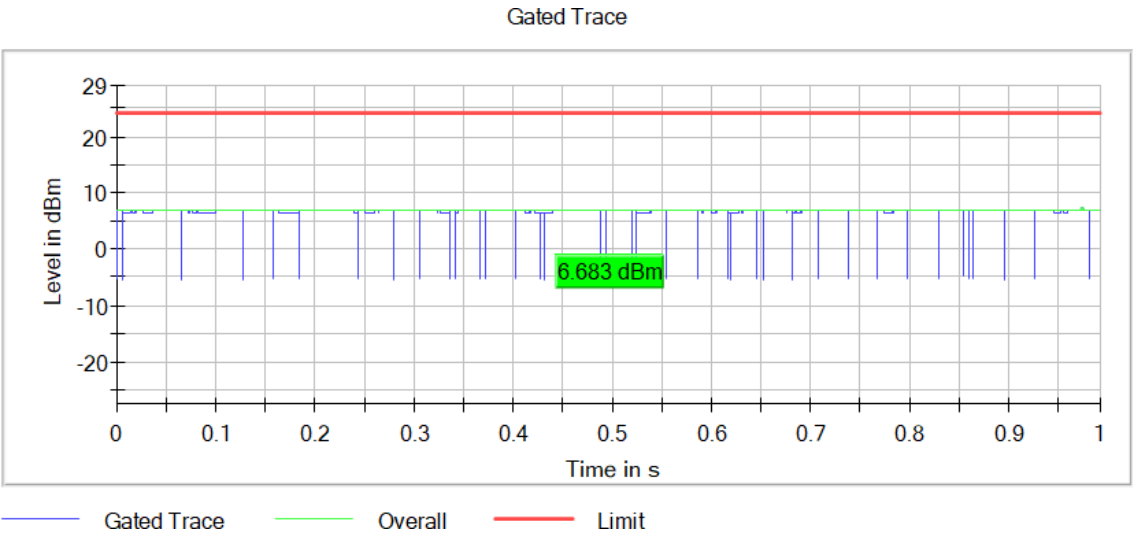
Verdict

Pass

Attachments

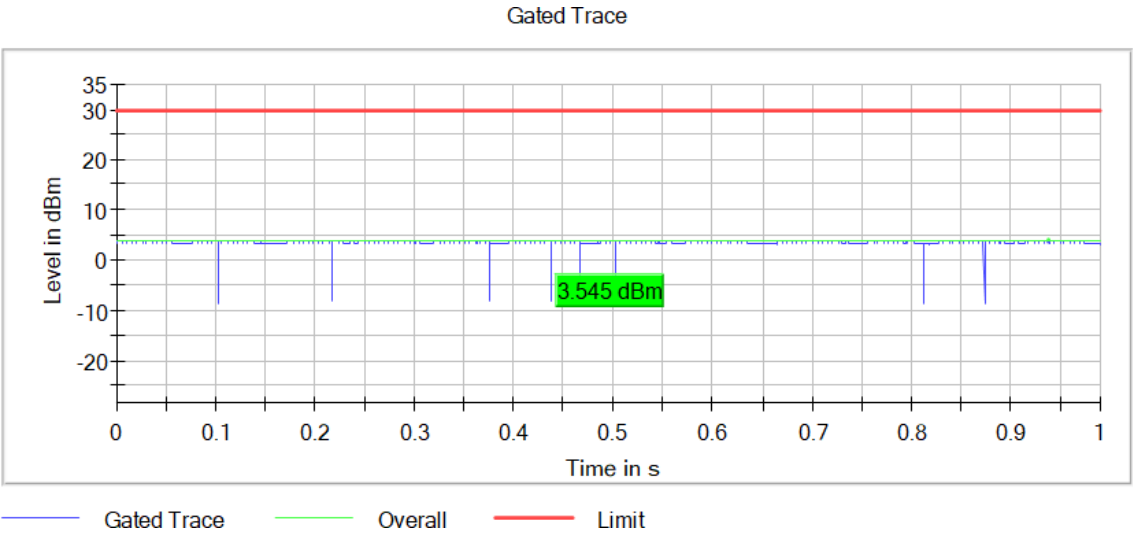
Active Port = 1+2, Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μs	1.000 μs

FCC 15.407 (a) / RSS-247 6.2 Maximum Power Spectral Density

Limits

FCC 15.407:

For the band 5.15-5.25 GHz, The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.850 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

RSS-247:

For the 5.25-5.35 GHz, 5.470-5.6 GHz, and 5.650-5.725 GHz bands, the power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For the band 5.725-5.850 GHz, the output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note:

- 1- The following test results are shown based on KDB 662911 D01 Multiple Transmitter Output v02r01 E) 3) a) (ii) Measure and sum spectral maxima across the outputs as described in section E)2)b).
- 2- For 2Tx CDD MIMO modes, in accordance with KDB 662911 D01 v02r01 Section F)2)f)i), directional gain was calculated as follows:

- For power spectral density (PSD) measurements:

$$\text{Directional gain}_{\text{PSD}} = G_{\text{ANT}} + 10 \log(N_{\text{ANT}}/N_{\text{SS}}) \text{ dBi}$$

$$N_{\text{SS}} = 1 \text{ (worst case)}, N_{\text{ANT}} = 2, G_{\text{ANT}} = +5 \text{ dBi}$$

$$\text{Directional gain}_{\text{PSD}} = 2 + 10 \log(2/1) = 2 + 10\log(2) = 5 + 3.01 = + 8.01 \text{ dBi}$$

$$\text{PSD Antenna Gain MIMO Chain 0 \& 1: } + 8.01 \text{ dBi}$$

For MIMO CDD operation modes, the limit should be reduced by the amount in dB the antenna gain exceeds 6 dBi. In this case the values in the tables below include the 2.01 dB. due to the antenna gain calculations is 8.01 dBi.

MIMO Mode: MIMO CCD Mode 2x2
Modulation: 802.11a (OFDM 6 Mbit/s)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5180.00000	No	2	5185.940594	-1.58
1+2	5200.00000	No	2	5205.940594	-1.41
1+2	5240.00000	No	2	5246.138614	-1.51
1+2	5745.00000	No	2	5752.524752	-5.21
1+2	5785.00000	No	2	5789.950495	-5.18
1+2	5825.00000	No	2	5827.376238	-5.26

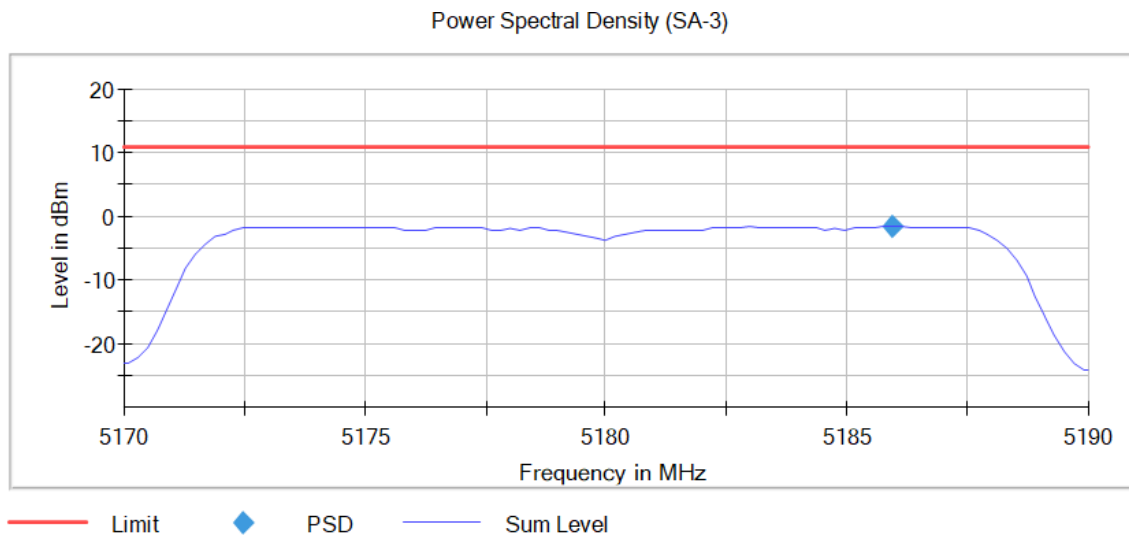
Verdict

Pass

Attachments

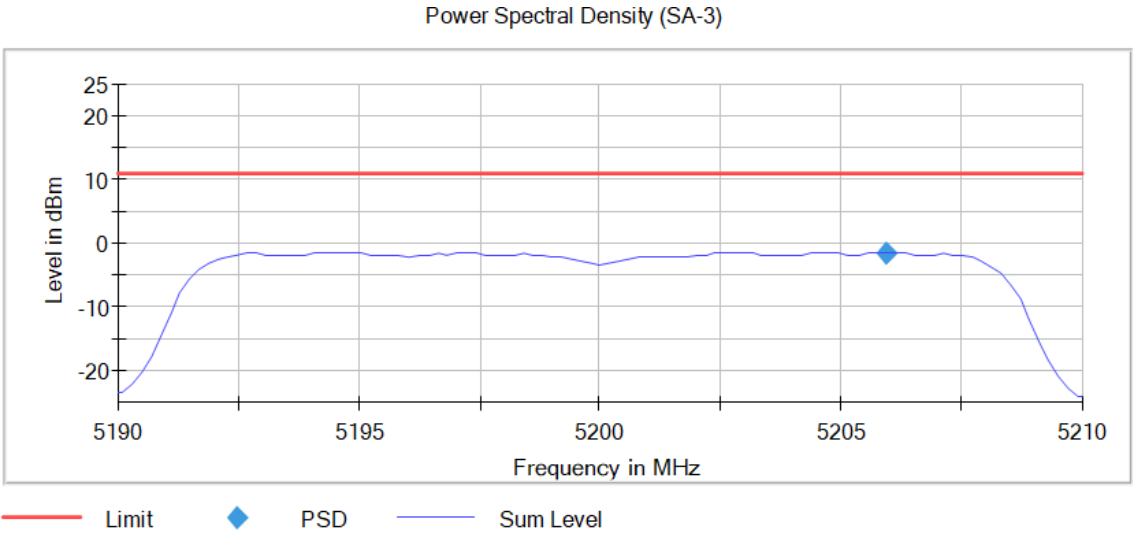
Active Port = 1+2, Frequency MHz = 5180.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



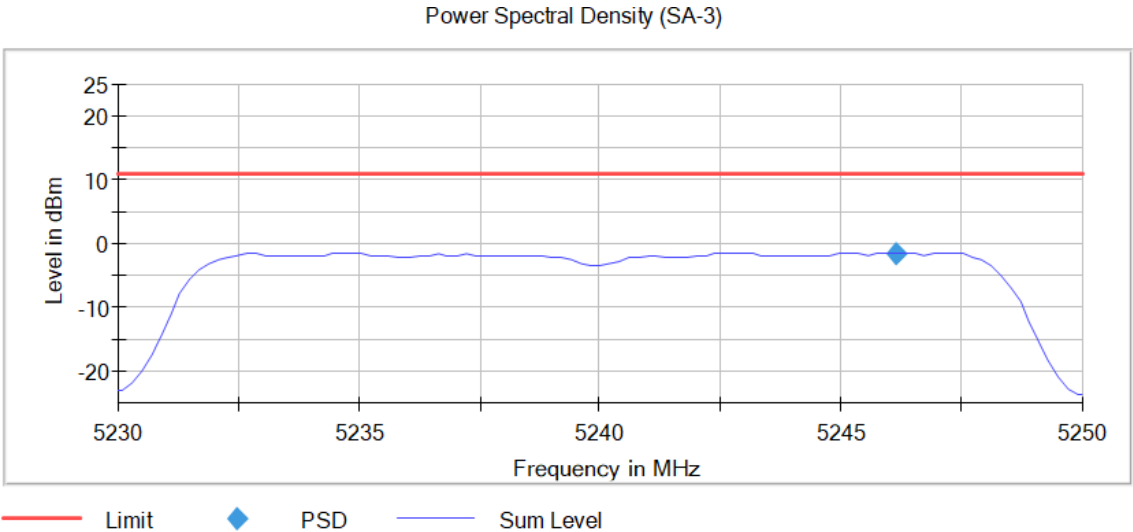
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



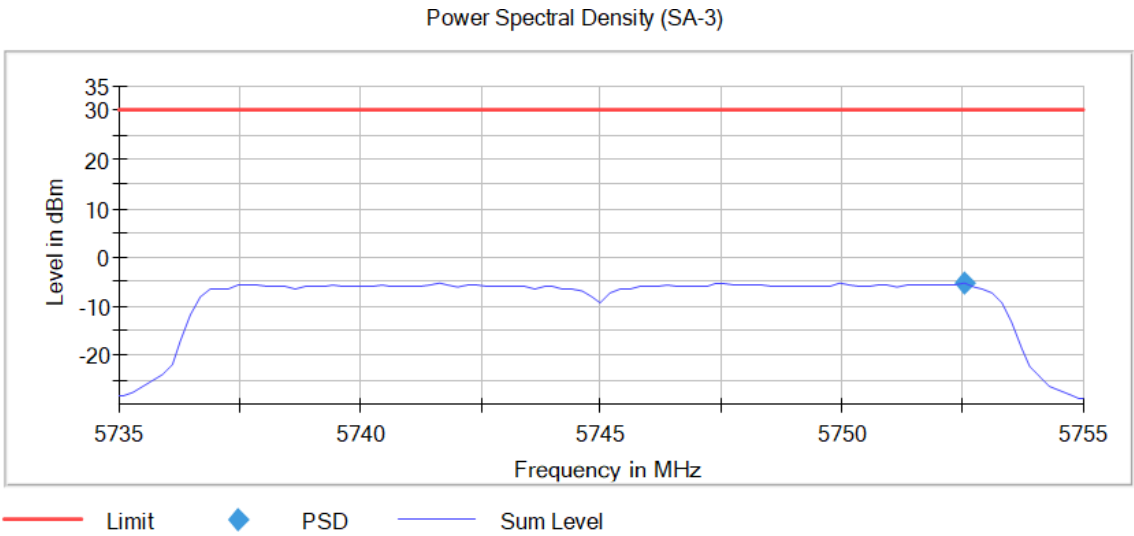
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
SweepTime	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.25 dB	0.50 dB

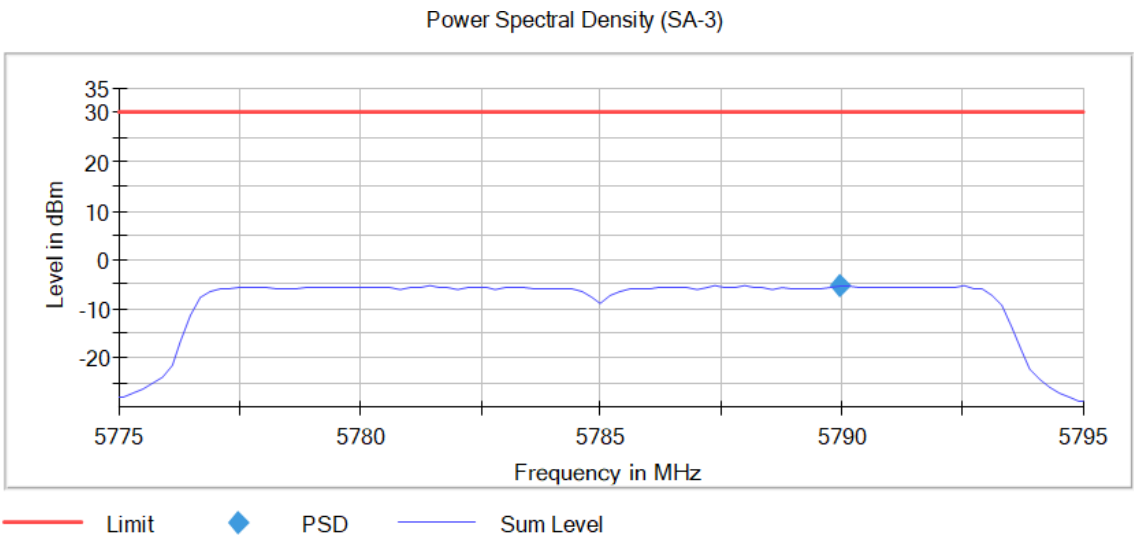
Active Port = 1+2, Frequency MHz = 5745.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

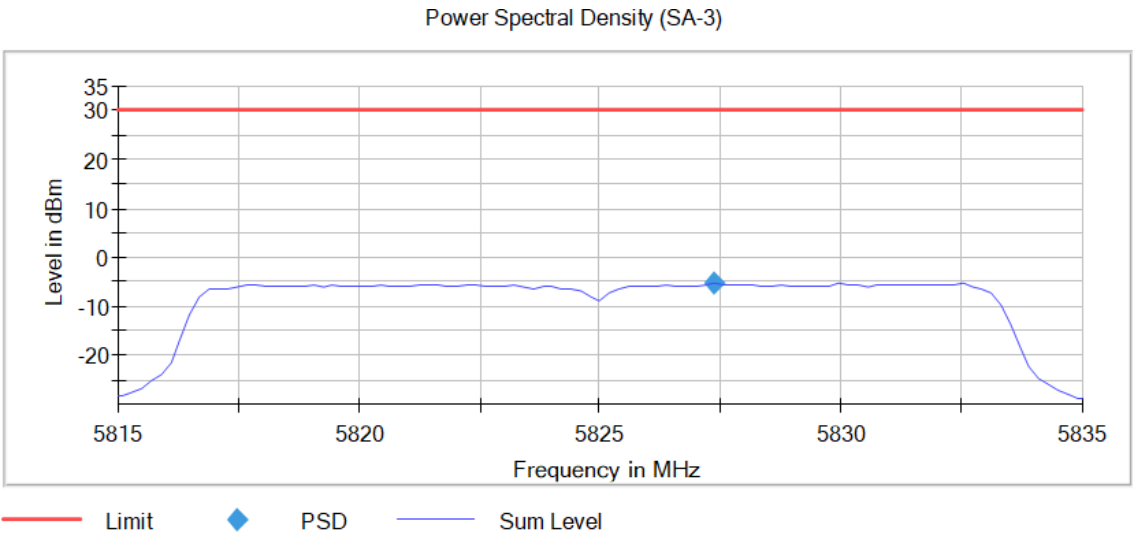
Images:



Tables:

Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11a (OFDM 6 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5180.00000	No	2	5185.940594	-2.44
1+2	5200.00000	No	2	5205.940594	-2.35
1+2	5240.00000	No	2	5245.940594	-2.32
1+2	5745.00000	No	2	5752.524752	-6.53
1+2	5785.00000	No	2	5780.643564	-6.35
1+2	5825.00000	No	2	5820.643564	-6.49

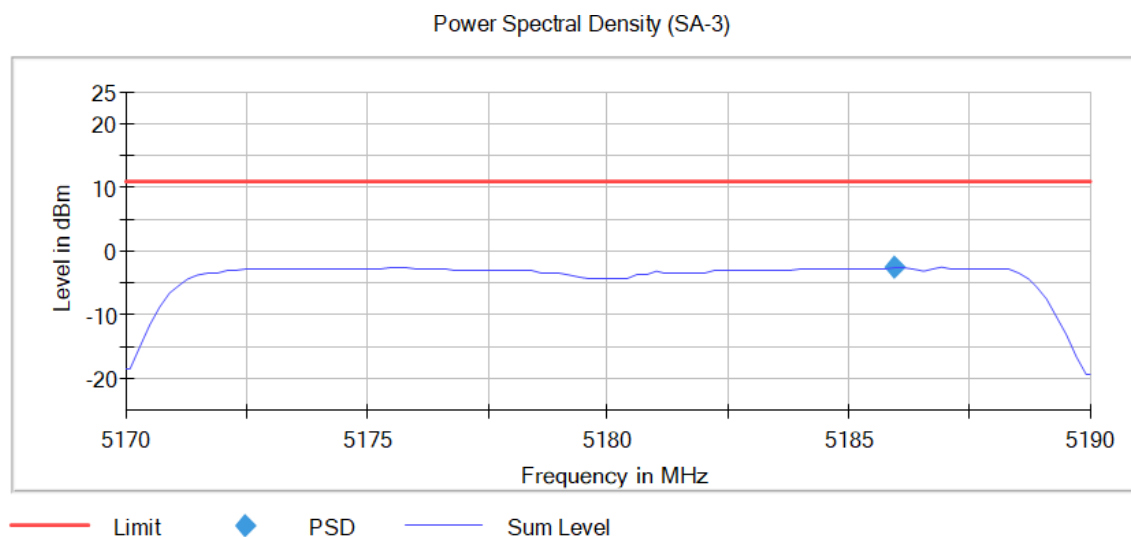
Verdict

Pass

Attachments

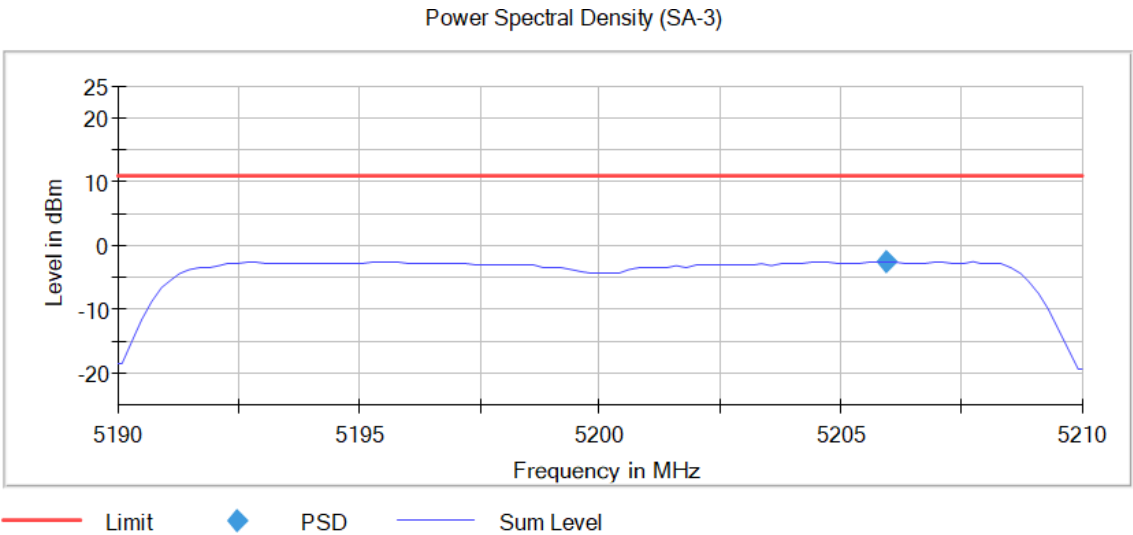
Active Port = 1+2, Frequency MHz = 5180.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



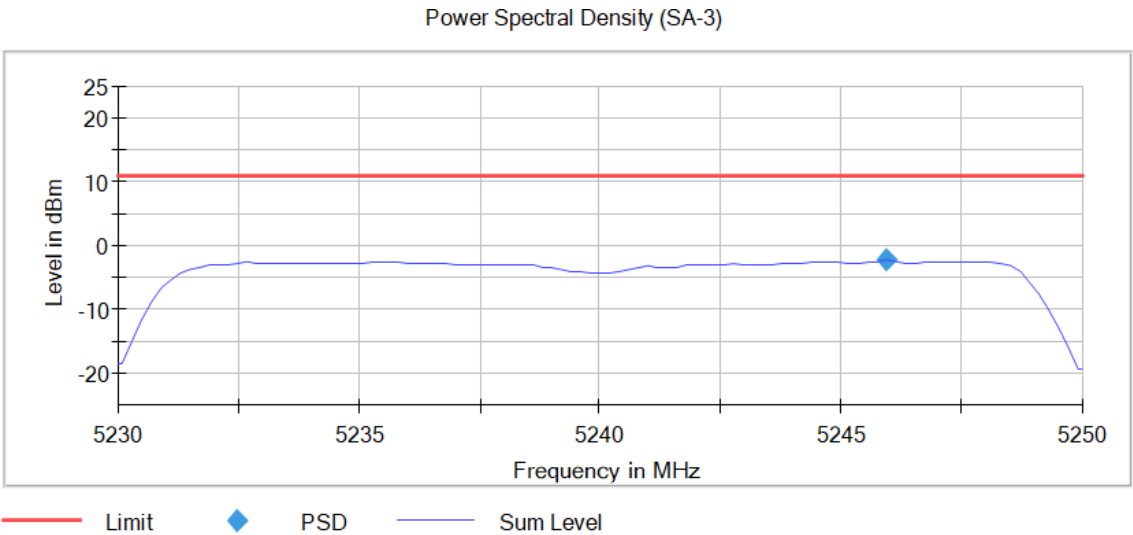
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



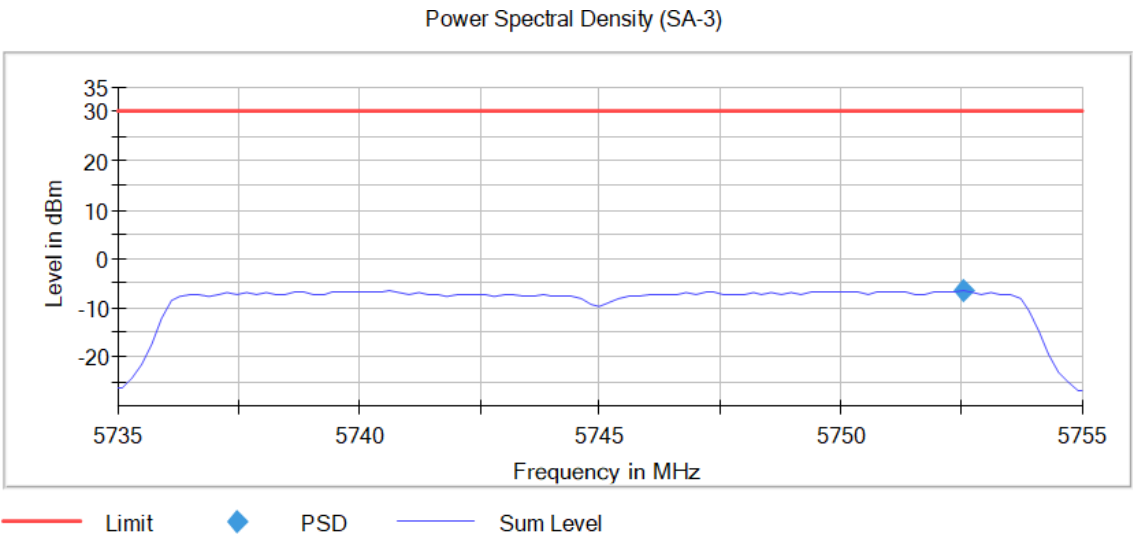
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
Sweeptime	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.25 dB	0.50 dB

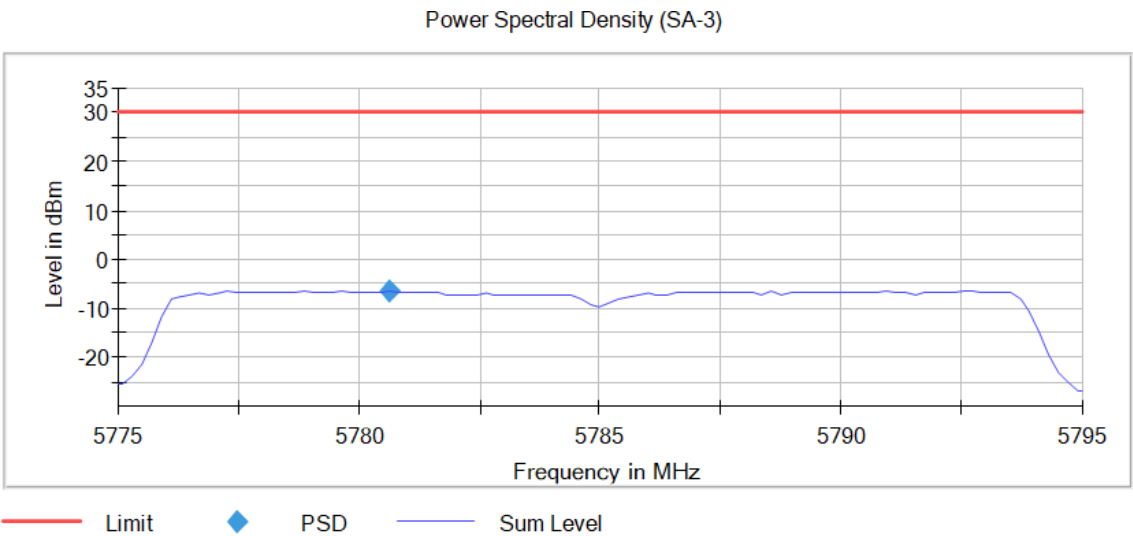
Active Port = 1+2, Frequency MHz = 5745.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



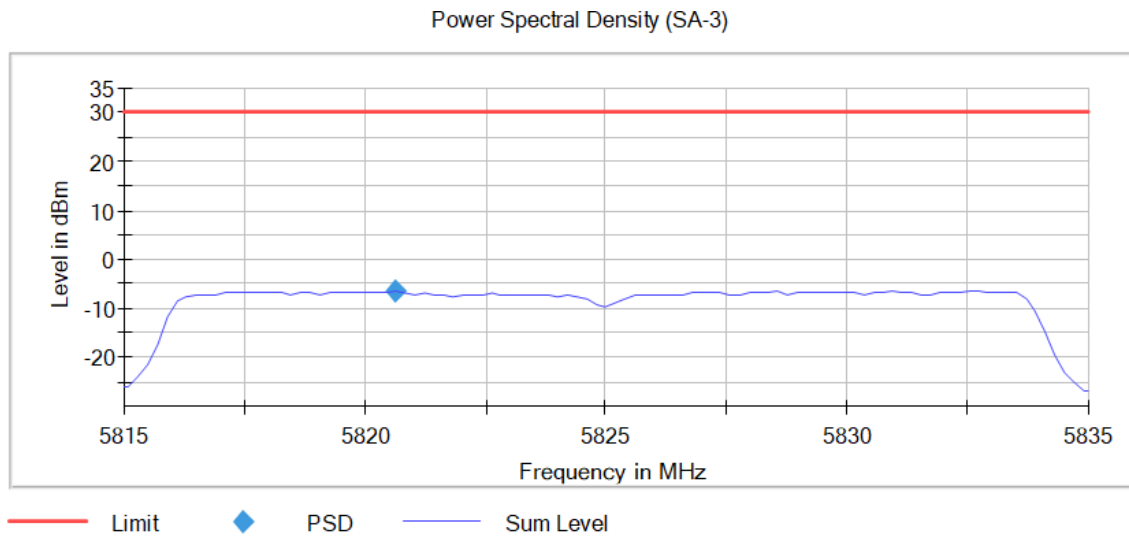
Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11n HT20 (OFDM MCS0 6.5 Mbit/s), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11n HT40 (OFDM MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5190.00000	No	2	5194.356436	-5.58
1+2	5230.00000	No	2	5234.356436	-5.42
1+2	5755.00000	No	2	5752.625000	-9.32
1+2	5795.00000	No	2	5779.875000	-9.29

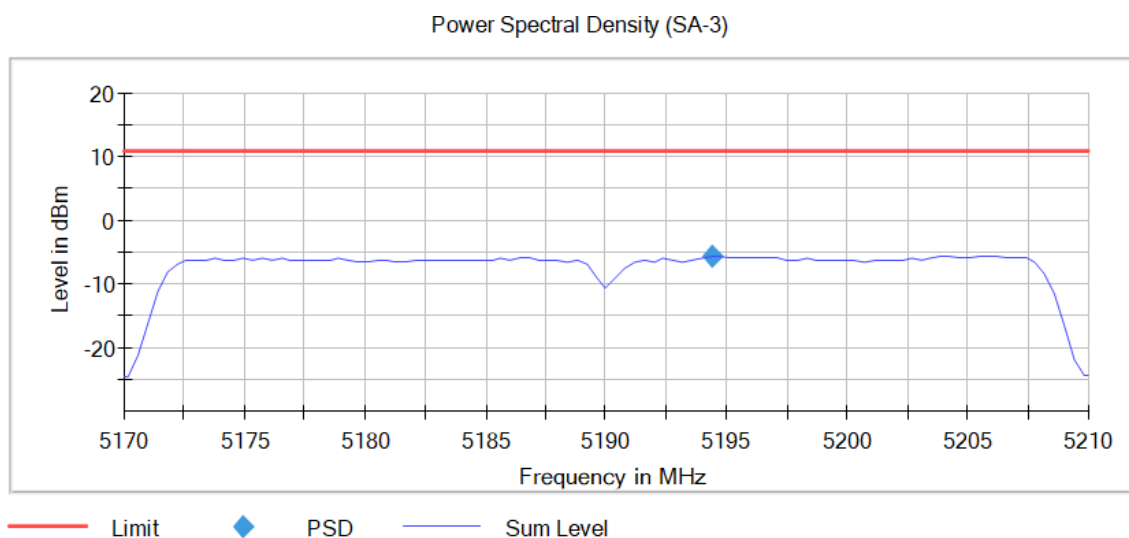
Verdict

Pass

Attachments

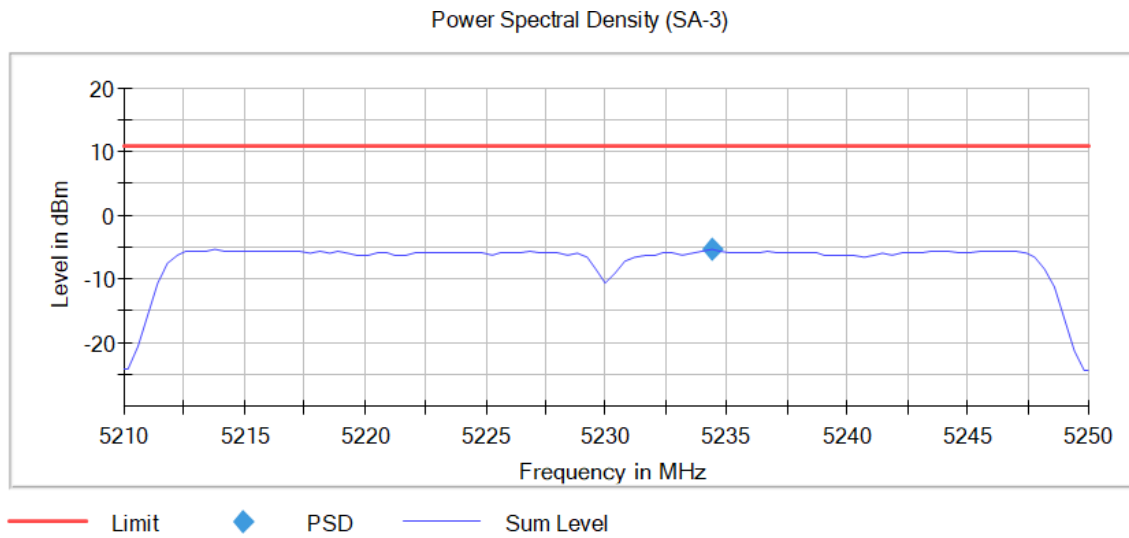
Active Port = 1+2, Frequency MHz = 5190.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



**Active Port = 1+2, Frequency MHz = 5230.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2**

Images:



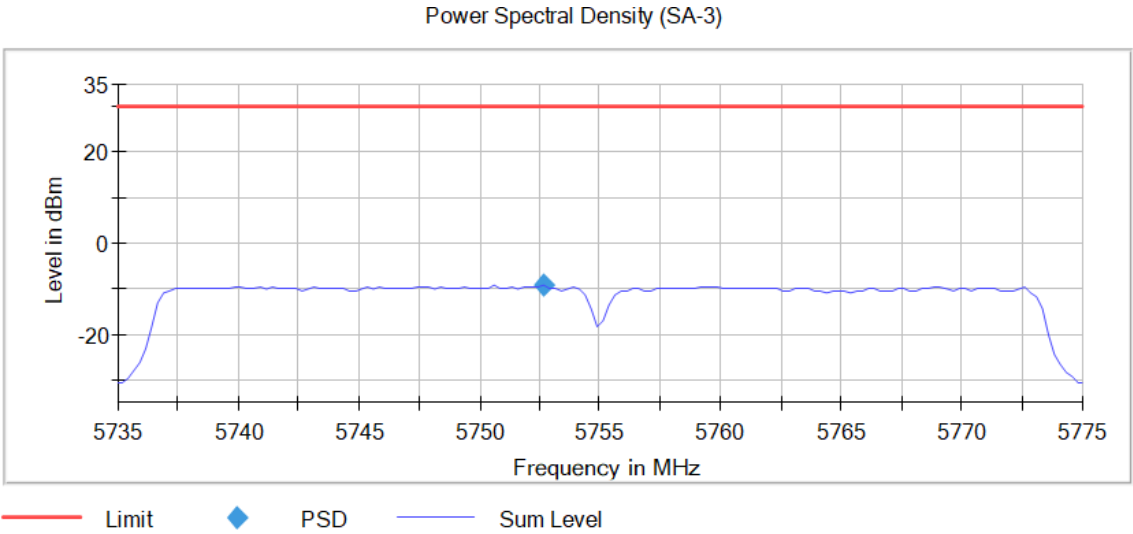
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
Sweptime	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.25 dB	0.50 dB

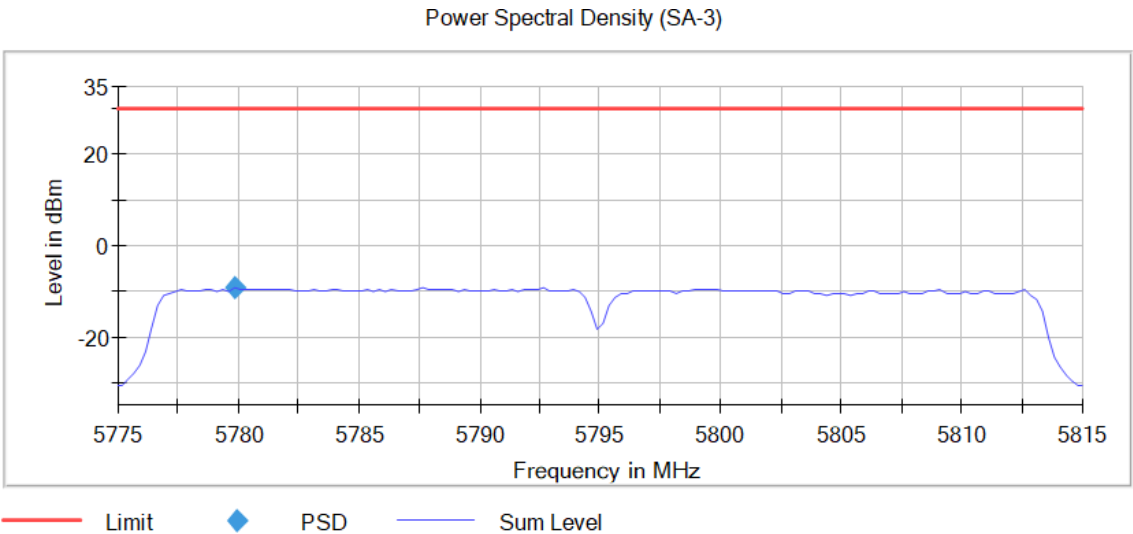
Active Port = 1+2, Frequency MHz = 5755.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5795.00000, Modulation = 802.11n HT40 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2
Modulation: 802.11ac VHT20 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5180.00000	No	2	5186.336634	-2.28
1+2	5200.00000	No	2	5196.633663	-1.96
1+2	5240.00000	No	2	5236.633663	-2.14
1+2	5745.00000	No	2	5741.633663	-6.12
1+2	5785.00000	No	2	5779.059406	-5.81
1+2	5825.00000	No	2	5829.752475	-6.14

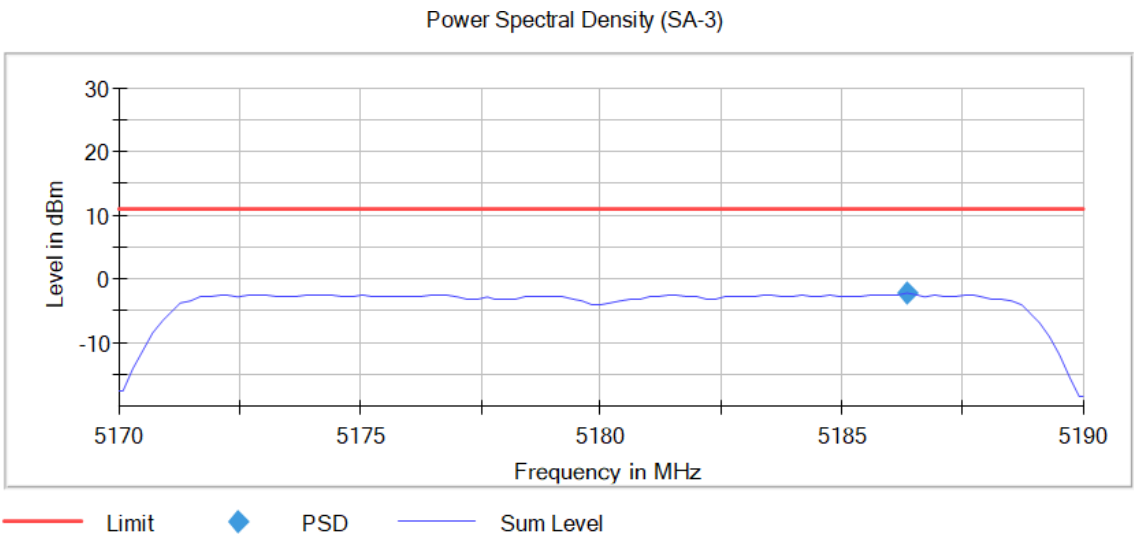
Verdict

Pass

Attachments

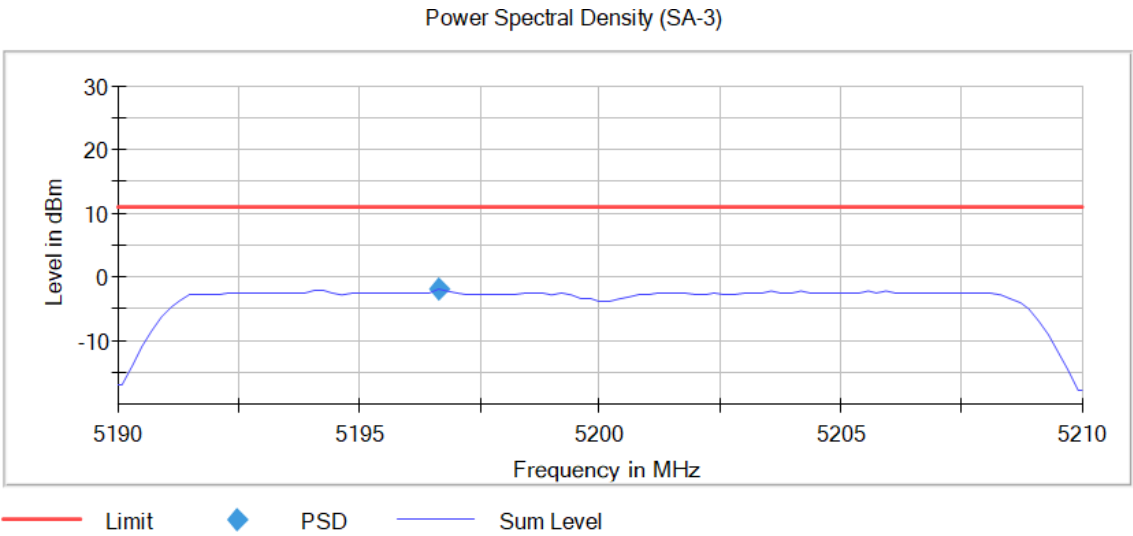
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Images:



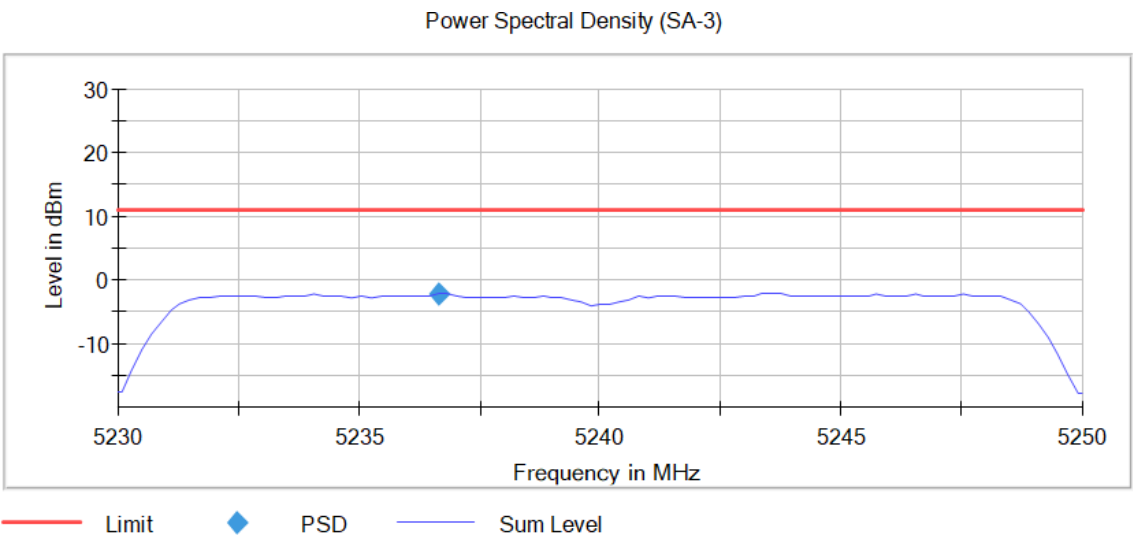
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



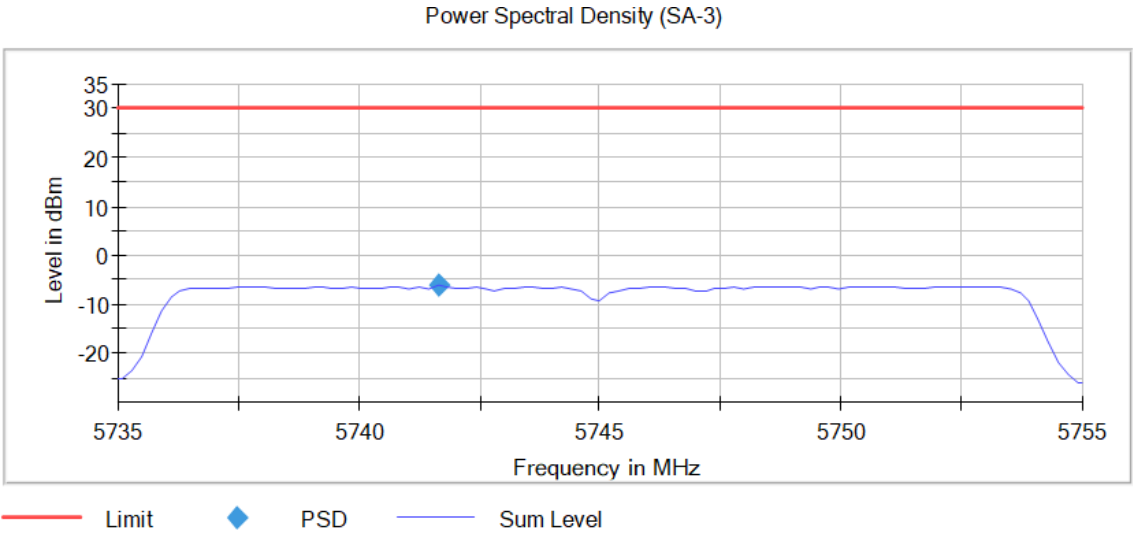
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 80
Sweeptime	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	3 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.42 dB	0.50 dB

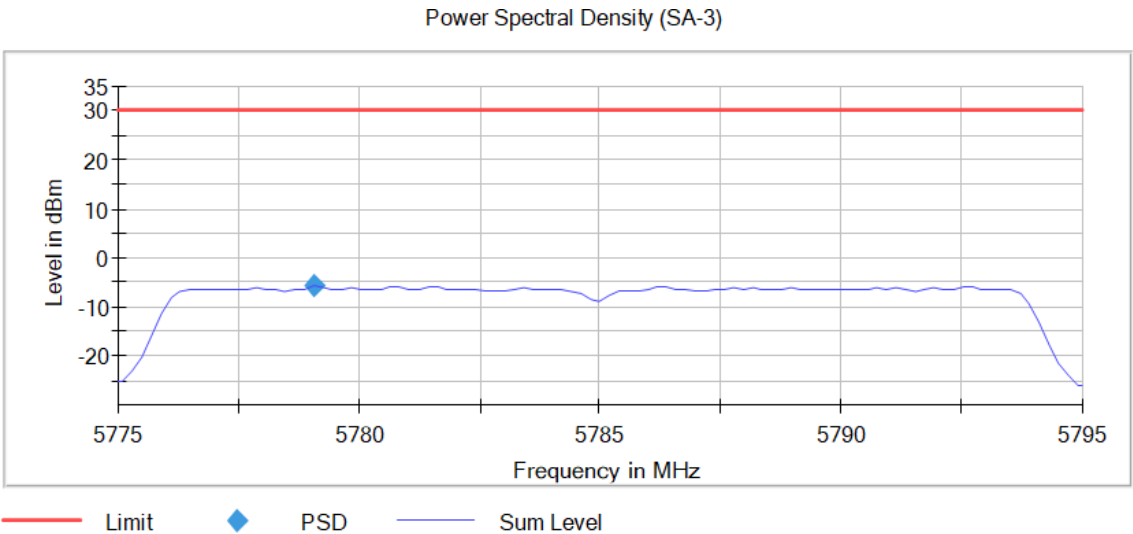
Active Port = 1+2, Frequency MHz = 5745.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

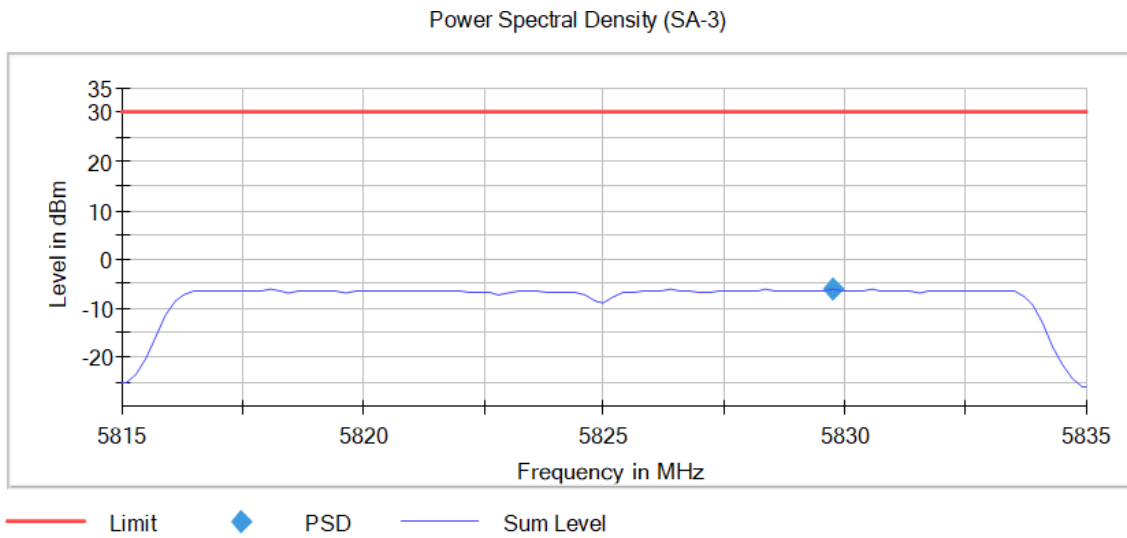
Images:



Tables:

Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5190.00000	No	2	5174.158416	-5.22
1+2	5230.00000	No	2	5214.158416	-4.99
1+2	5755.00000	No	2	5739.125000	-9.46
1+2	5795.00000	No	2	5778.875000	-9.37

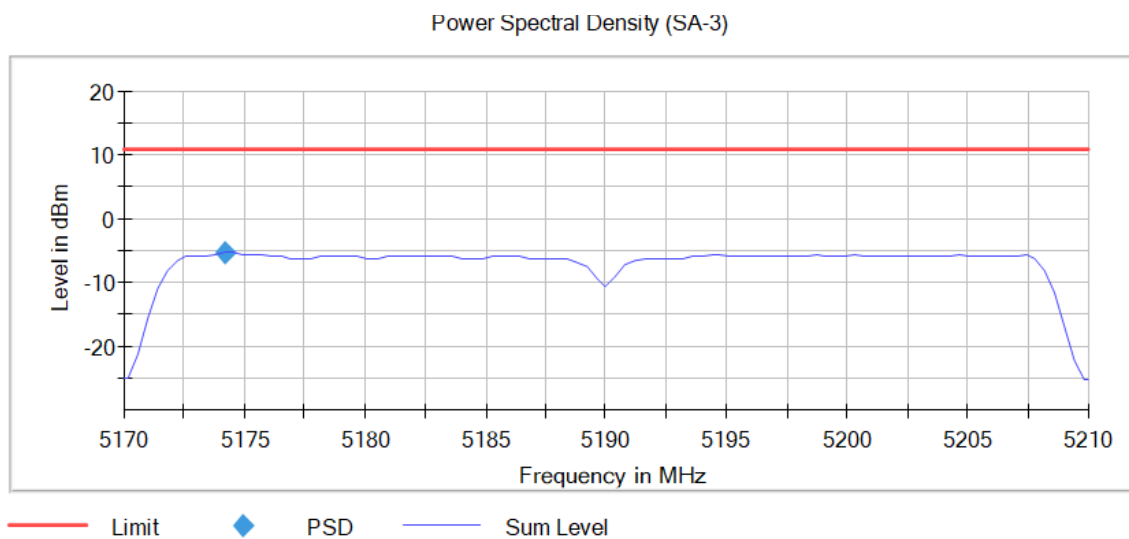
Verdict

Pass

Attachments

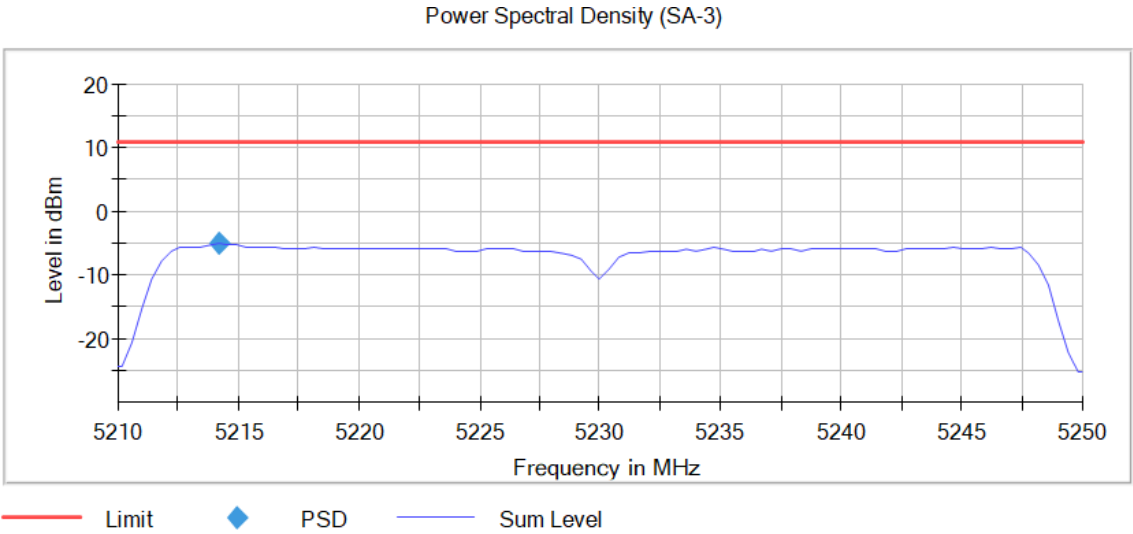
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Images:



Active Port = 1+2, Frequency MHz = 5230.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



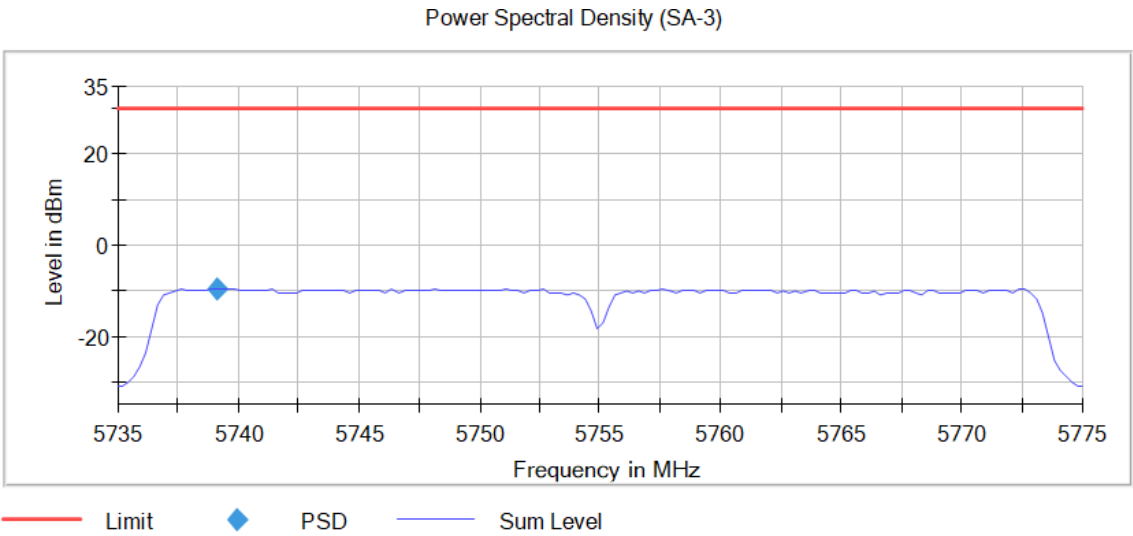
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
Sweeptime	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.22 dB	0.50 dB

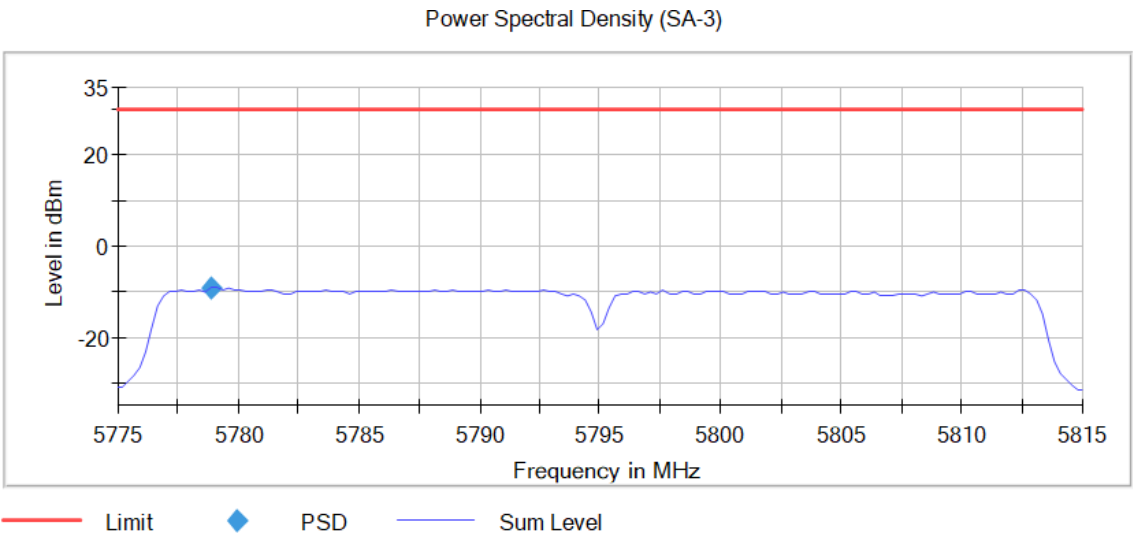
Active Port = 1+2, Frequency MHz = 5755.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5795.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT80 SS1 (OFDM MCS0)

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5210.00000	No	2	5186.750000	-11.27
1+2	5775.00000	No	2	5812.625000	-12.64

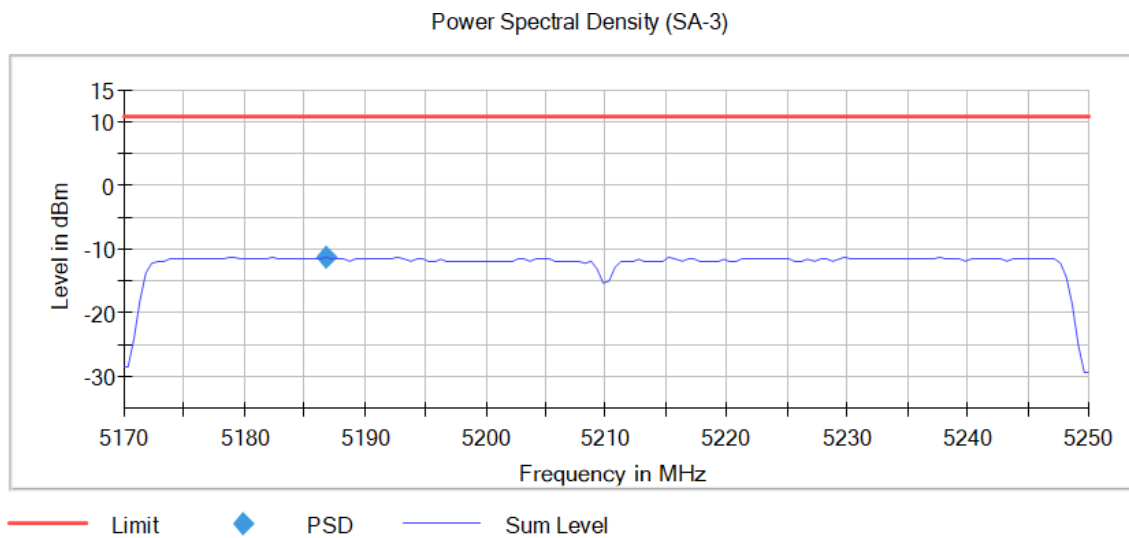
Verdict

Pass

Attachments

Active Port = 1+2, Frequency MHz = 5210.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



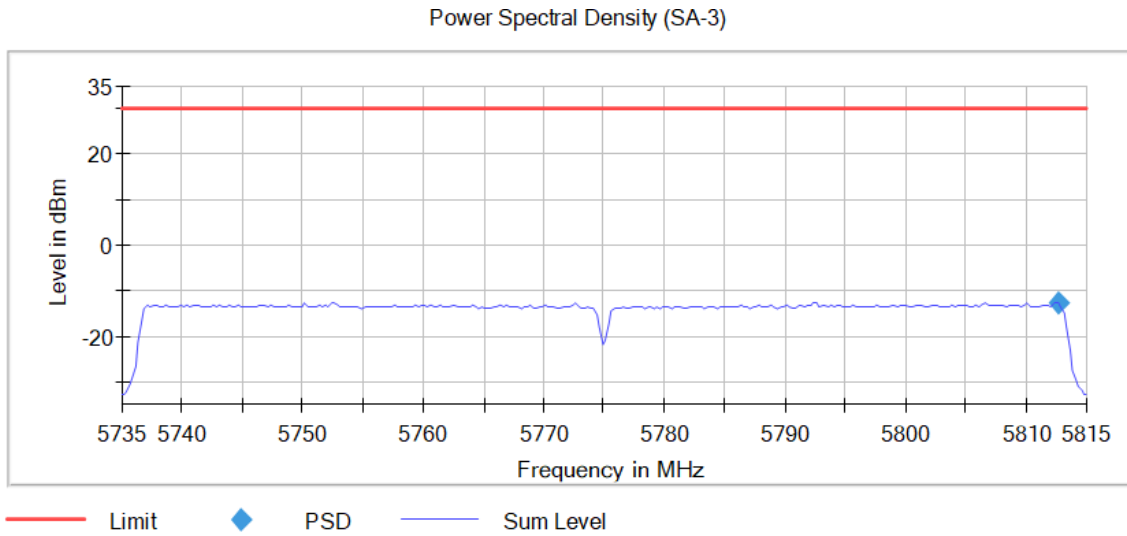
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
SweepTime	3.200 ms	3.200 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	18750	18750
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.19 dB	0.50 dB

Active Port = 1+2, Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE20 (OFDMA MCS0)- Full RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5180.00000	No	2	5187.524752	-4.85
1+2	5200.00000	No	2	5199.207921	2.17
1+2	5240.00000	No	2	5247.524752	-4.58
1+2	5745.00000	No	2	5752.524752	-7.56
1+2	5785.00000	No	2	5785.792079	-0.06
1+2	5825.00000	No	2	5832.524752	-6.95

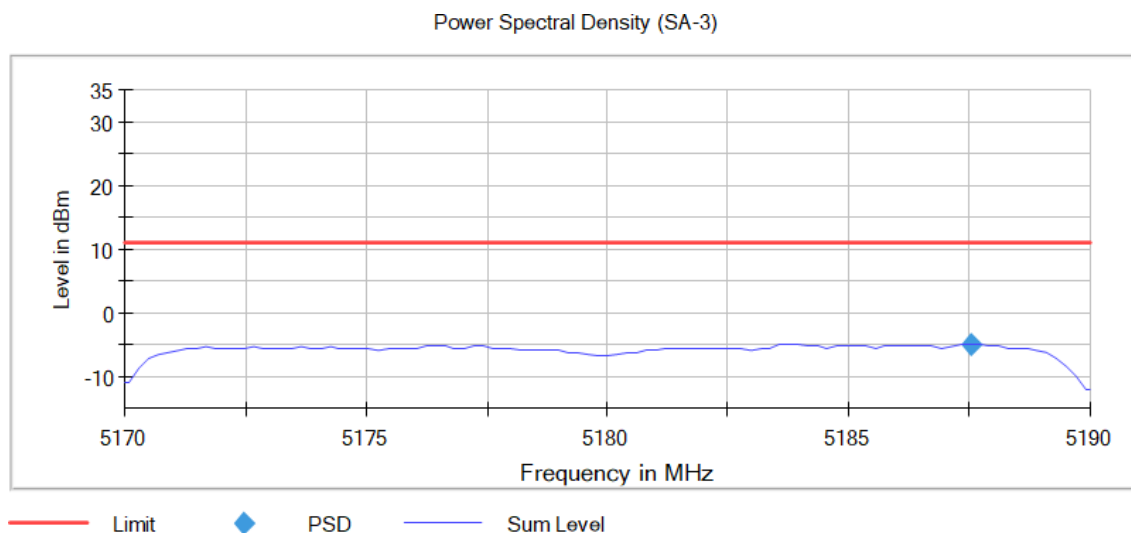
Verdict

Pass

Attachments

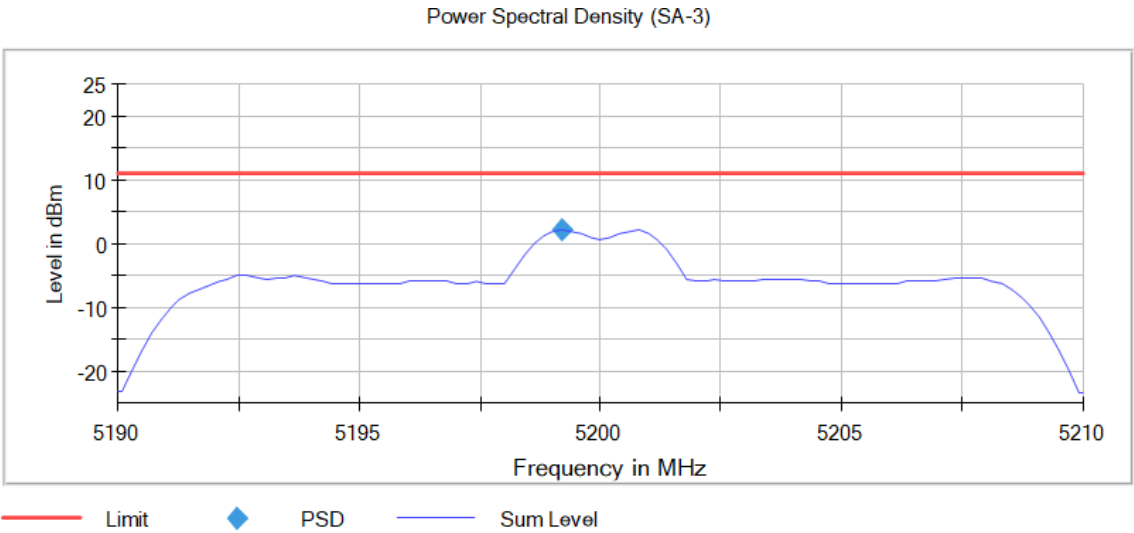
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Images:



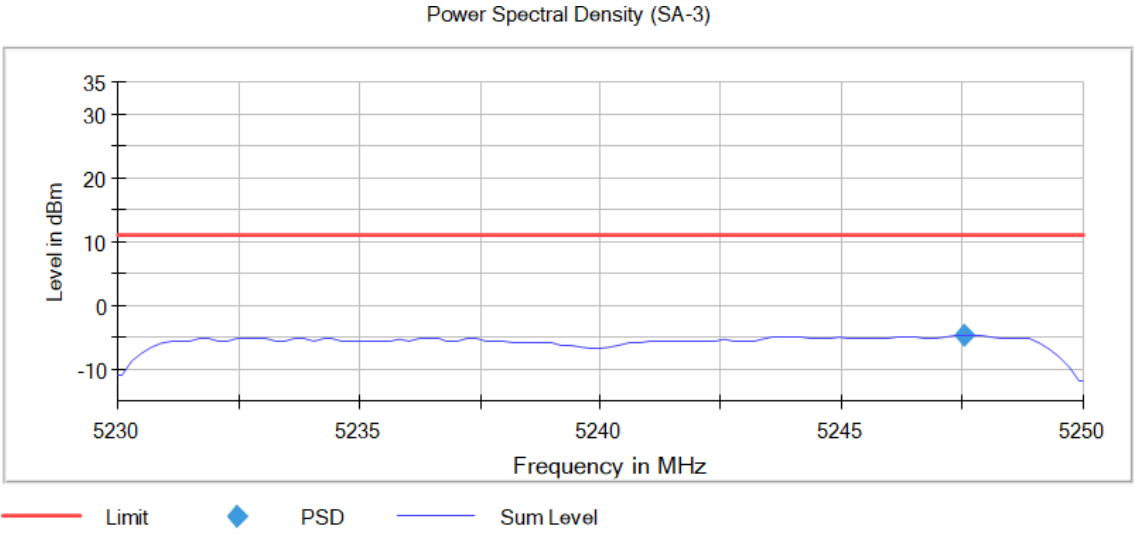
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



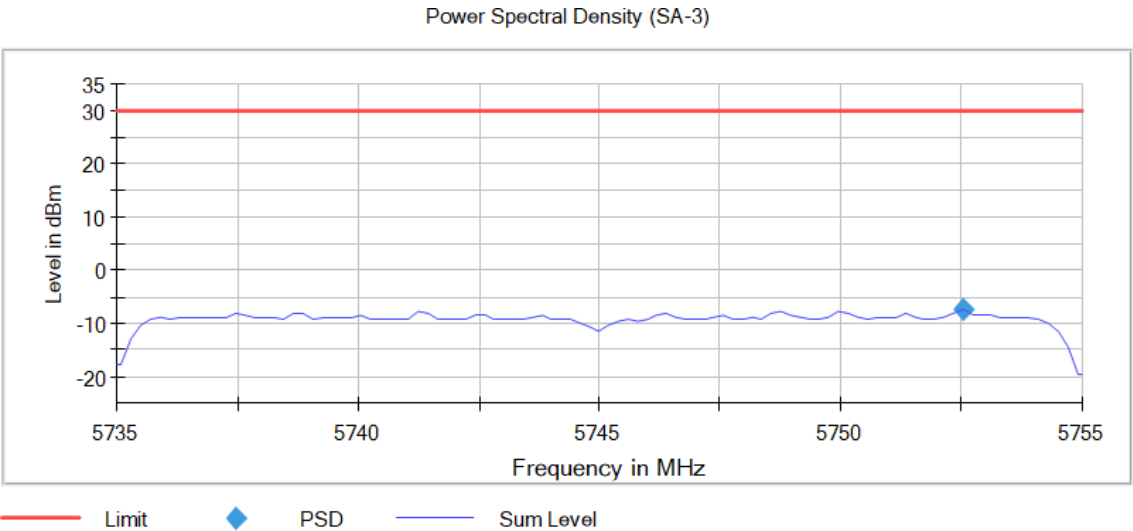
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
Sweeptime	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.11 dB	0.50 dB

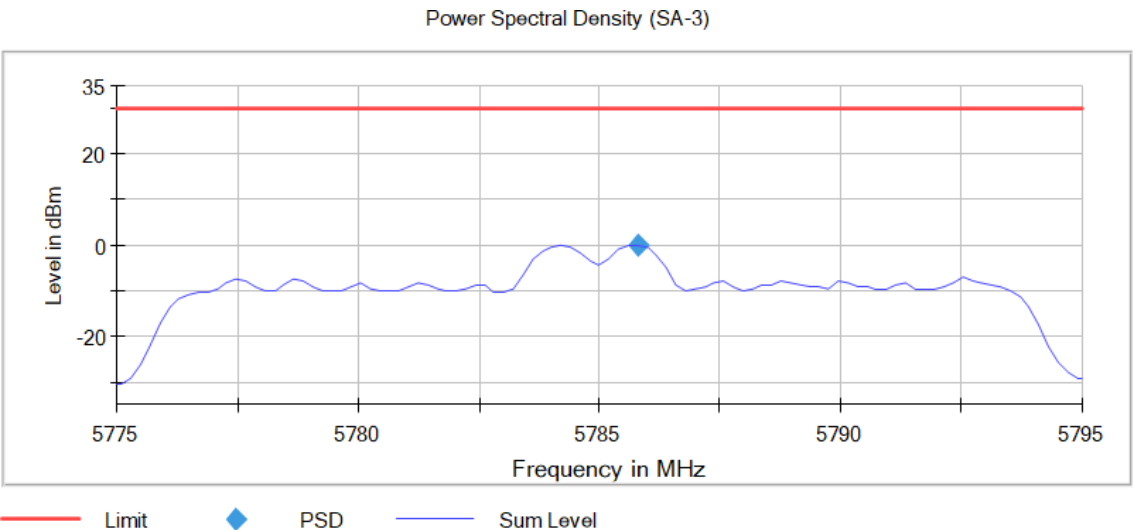
Active Port = 1+2, Frequency MHz = 5745.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



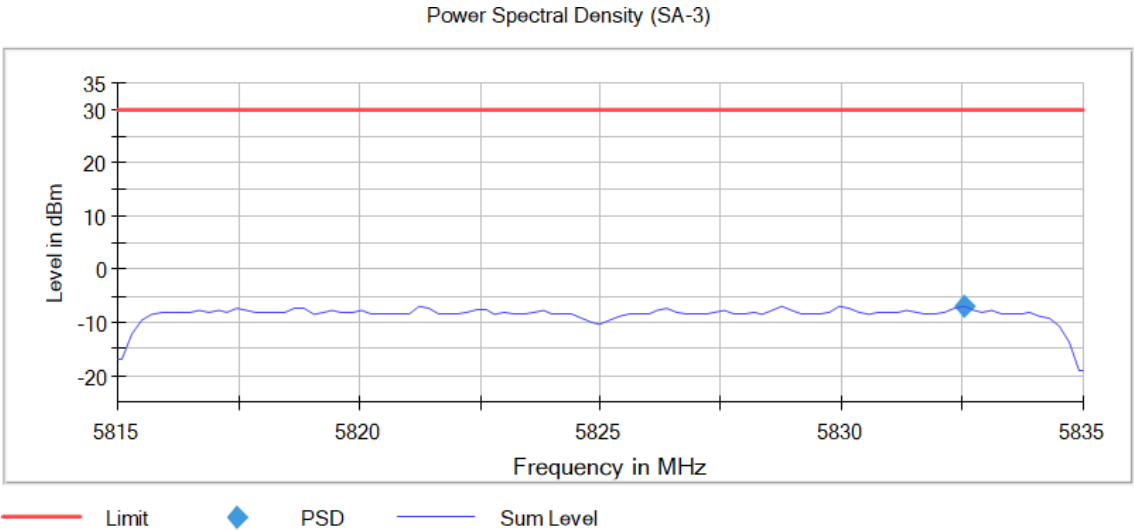
Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweptime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2
Modulation: 802.11ax HE20 (OFDMA MCS0)- Partial RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5180.00000	No	2	5171.485149	4.88
1+2	5200.00000	No	2	5199.207921	3.67
1+2	5240.00000	No	2	5248.514851	4.75
1+2	5745.00000	No	2	5736.287129	-0.76
1+2	5785.00000	No	2	5784.207921	-1.14
1+2	5825.00000	No	2	5833.514851	-0.41

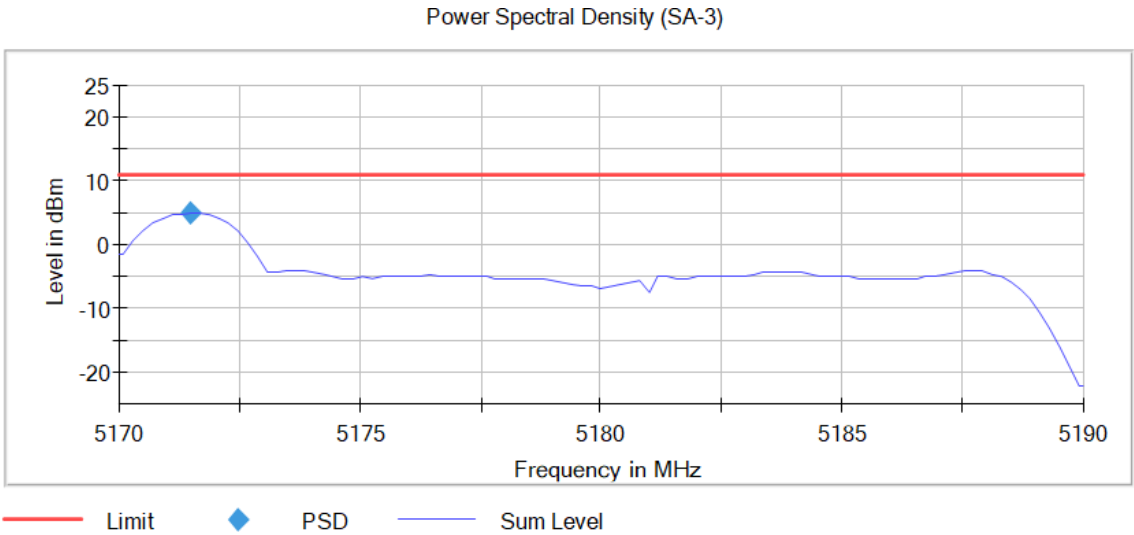
Verdict

Pass

Attachments

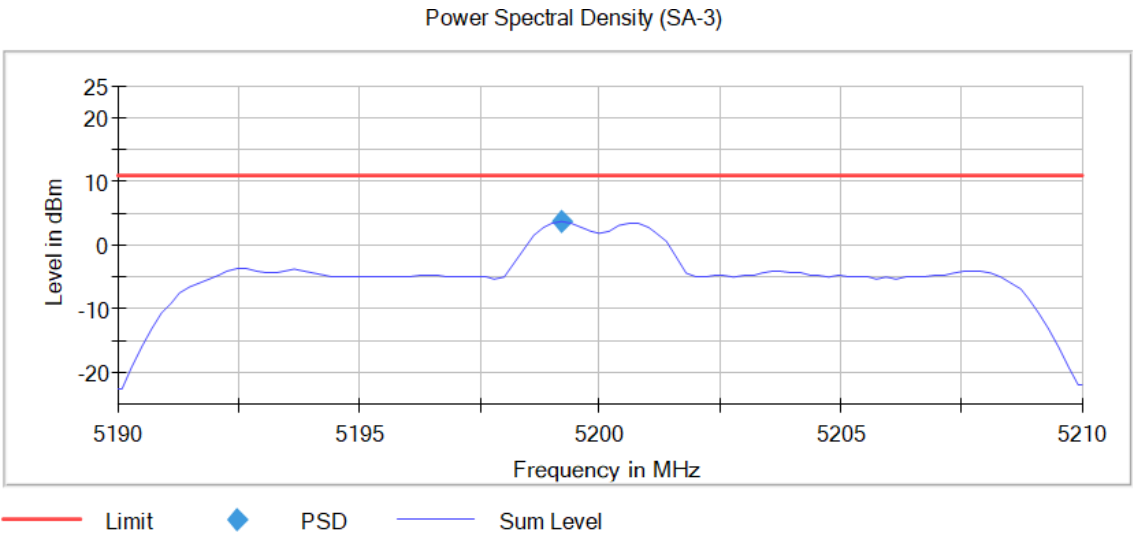
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Images:



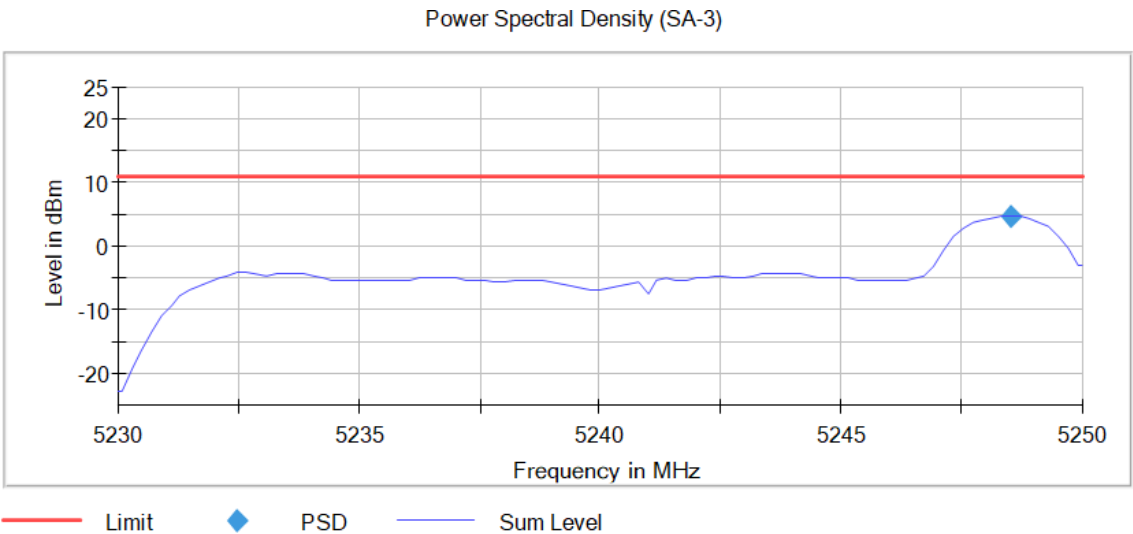
Active Port = 1+2, Frequency MHz = 5200.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5240.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



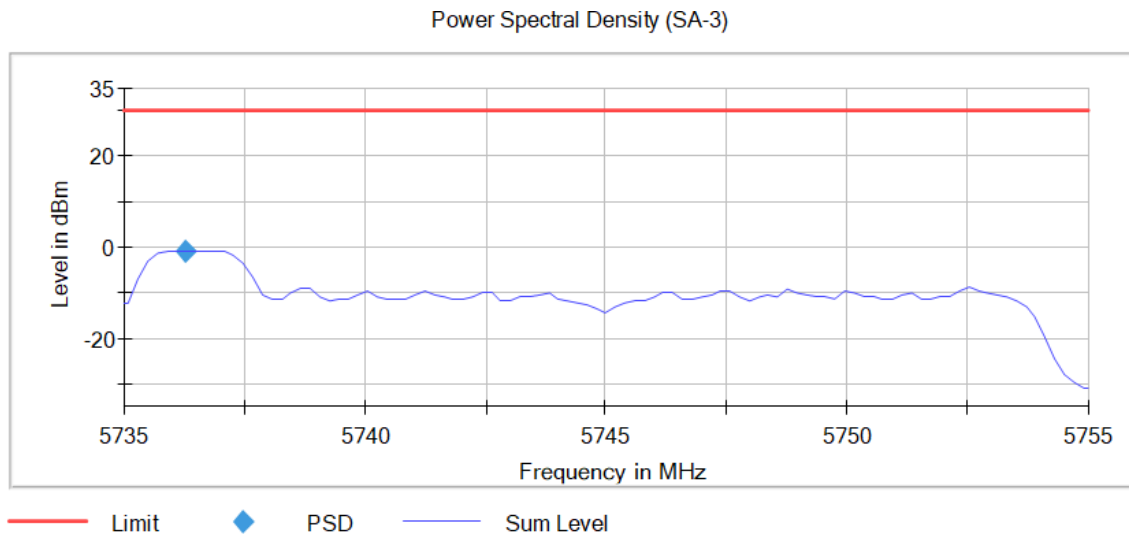
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
Sweeptime	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.11 dB	0.50 dB

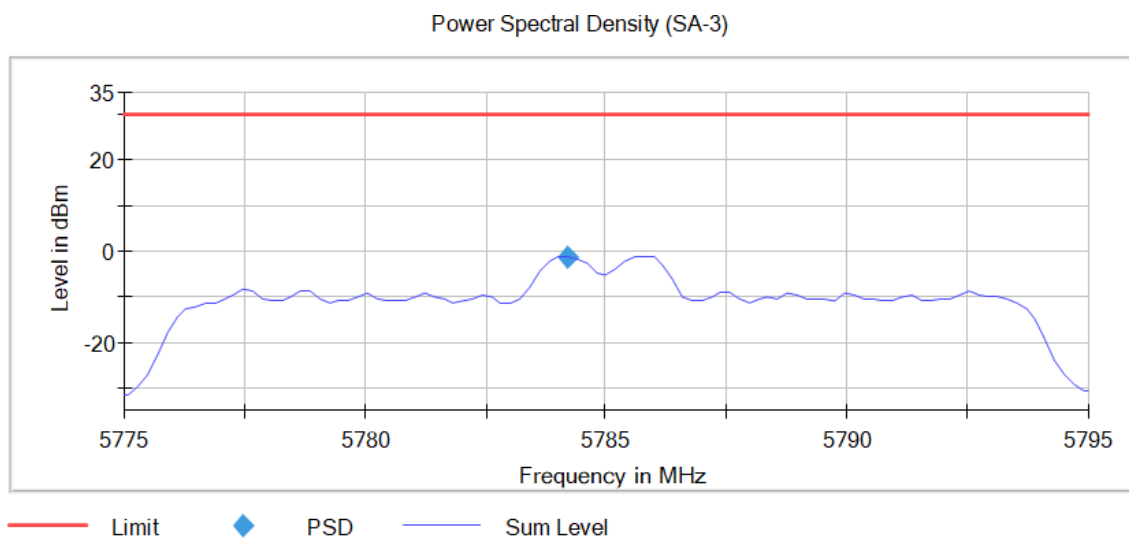
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MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2**

Images:



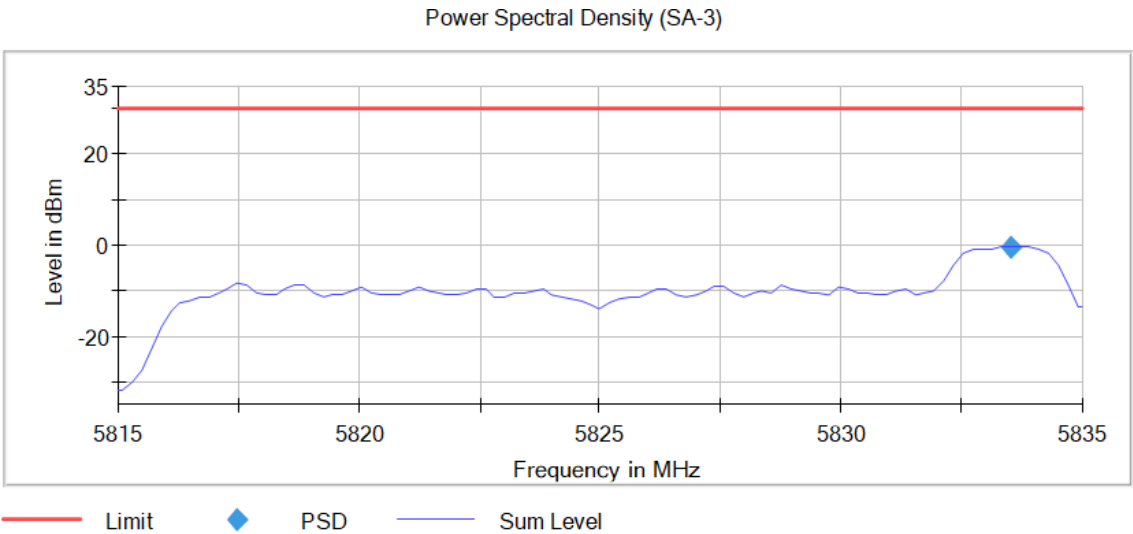
**Active Port = 1+2, Frequency MHz = 5785.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2**

Images:



Active Port = 1+2, Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	20.000 MHz	20.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE40 SS1 (OFDMA MCS0)- Full RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5190.00000	No	2	5177.326733	-7.81
1+2	5230.00000	No	2	5217.326733	-7.60
1+2	5755.00000	No	2	5738.875000	-10.84
1+2	5795.00000	No	2	5806.375000	-10.17

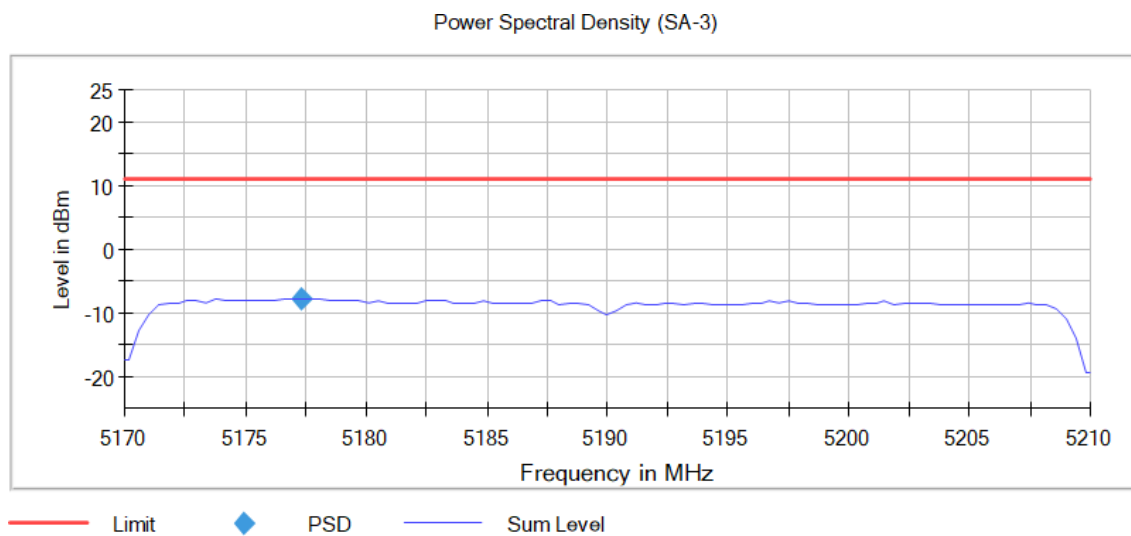
Verdict

Pass

Attachments

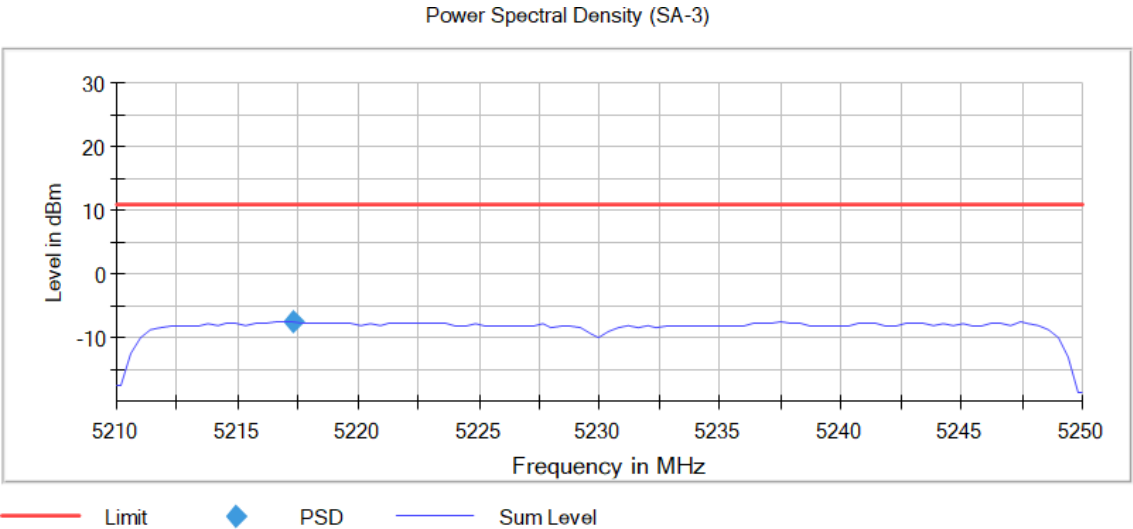
Active Port = 1+2, Frequency MHz = 5190.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5230.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



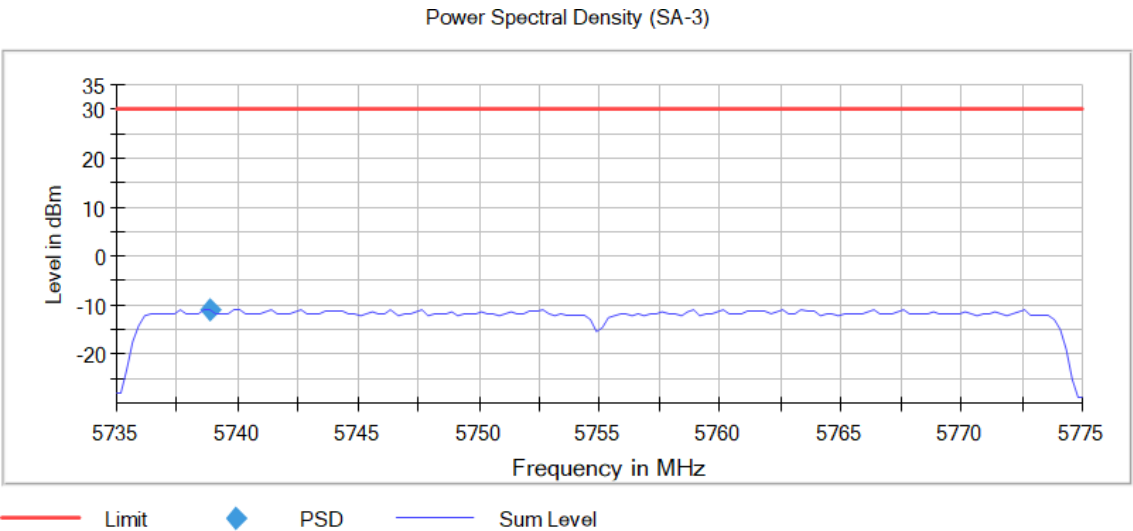
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
Sweptime	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.00 dB	0.50 dB

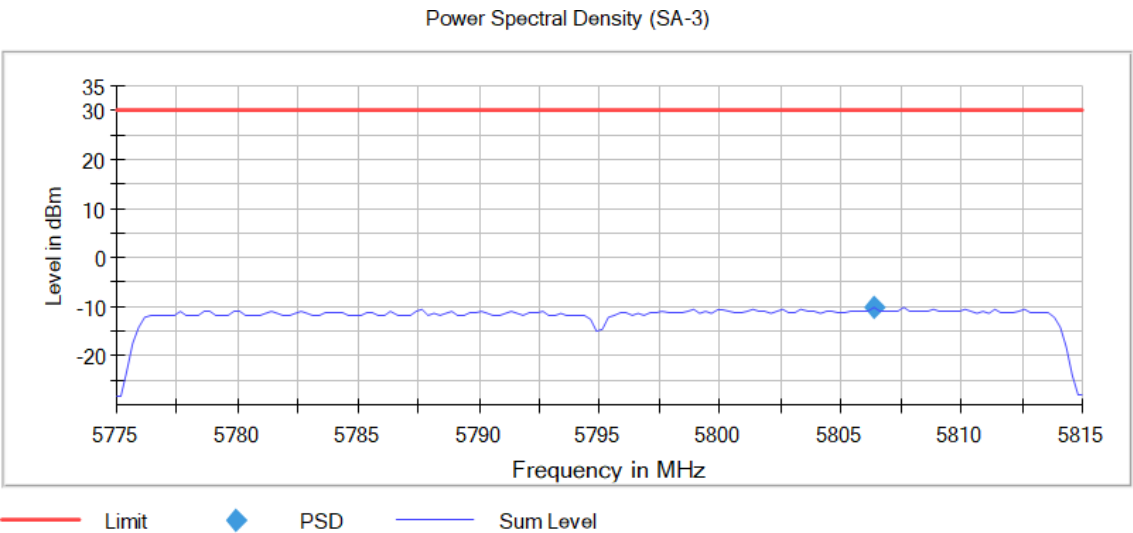
Active Port = 1+2, Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE40 (OFDMA MCS0)-Partial RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5190.00000	No	2	5191.584158	2.94
1+2	5230.00000	No	2	5247.821782	3.62
1+2	5755.00000	No	2	5737.375000	0.32
1+2	5795.00000	No	2	5813.125000	-0.12

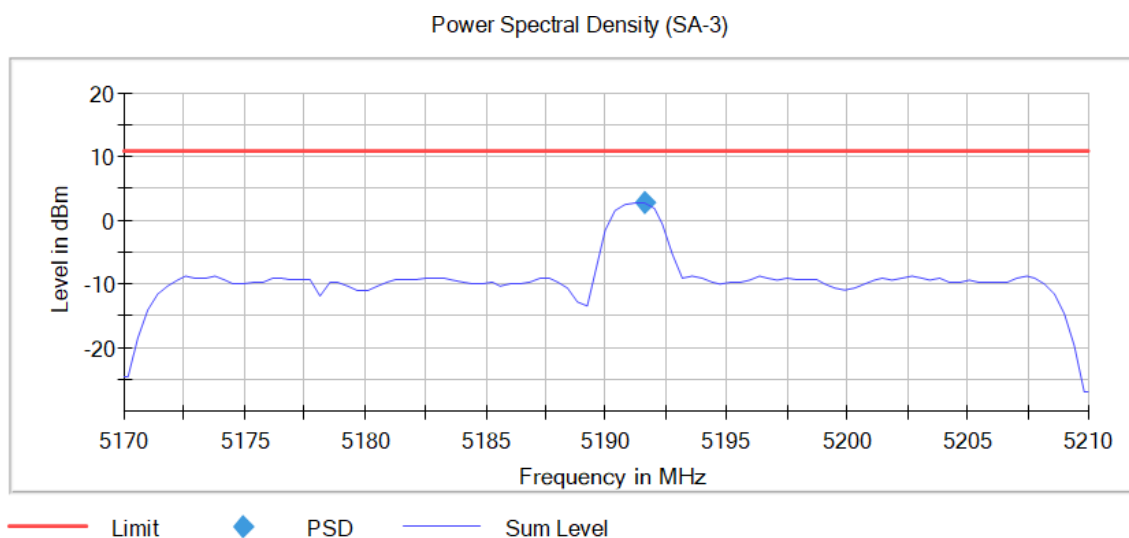
Verdict

Pass

Attachments

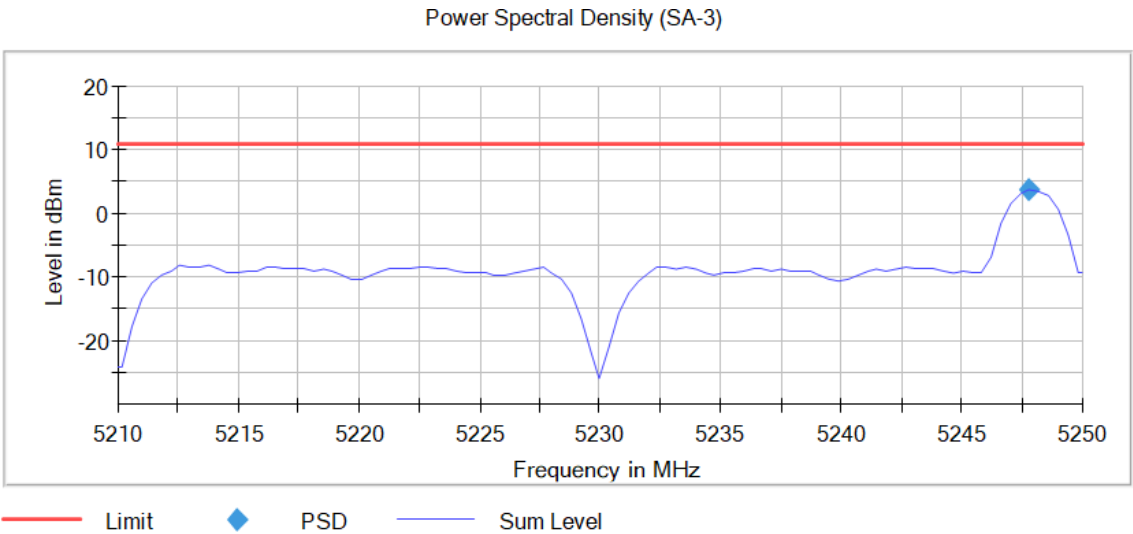
Active Port = 1+2, Frequency MHz = 5190.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5230.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



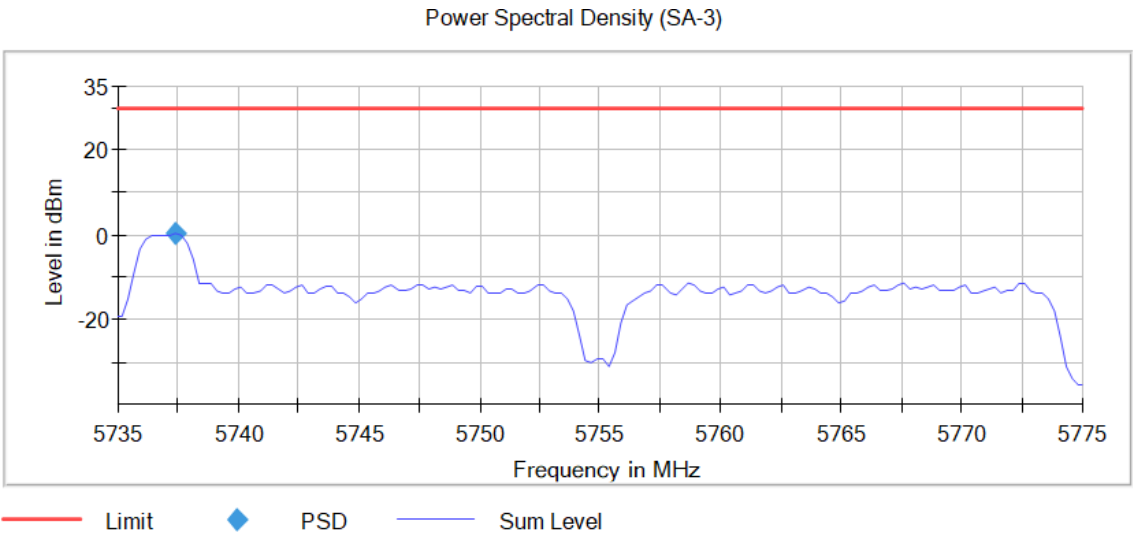
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
Sweptime	2.020 ms	2.020 ms
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	29703	29703
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.12 dB	0.50 dB

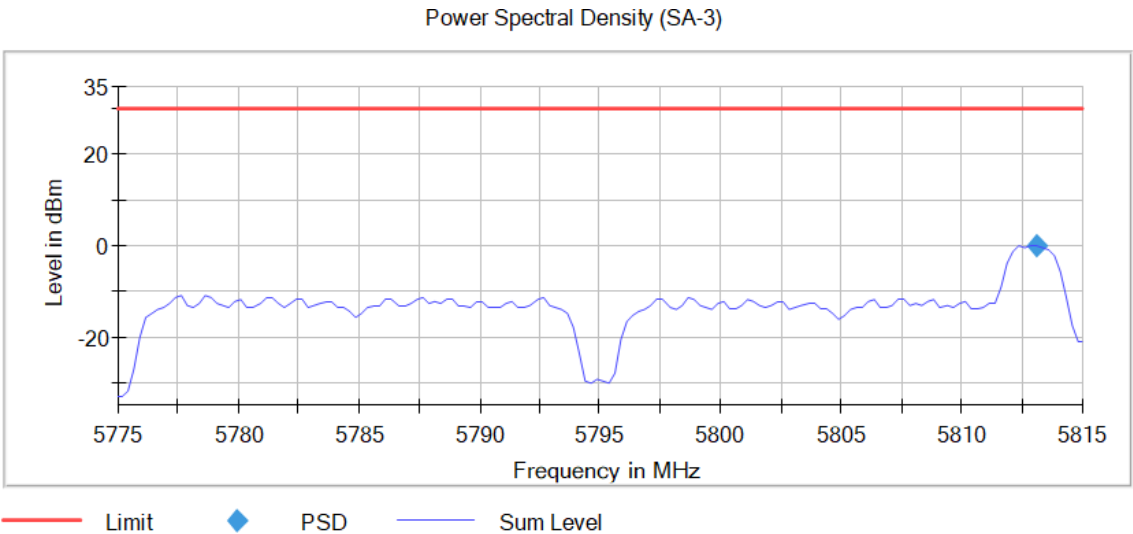
Active Port = 1+2, Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Active Port = 1+2, Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 (OFDMA MCS0), TPC = No,
MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE80 SS1 (OFDM MCS0)- Full RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5210.00000	No	2	5173.750000	-11.82
1+2	5775.00000	No	2	5806.375000	-13.85

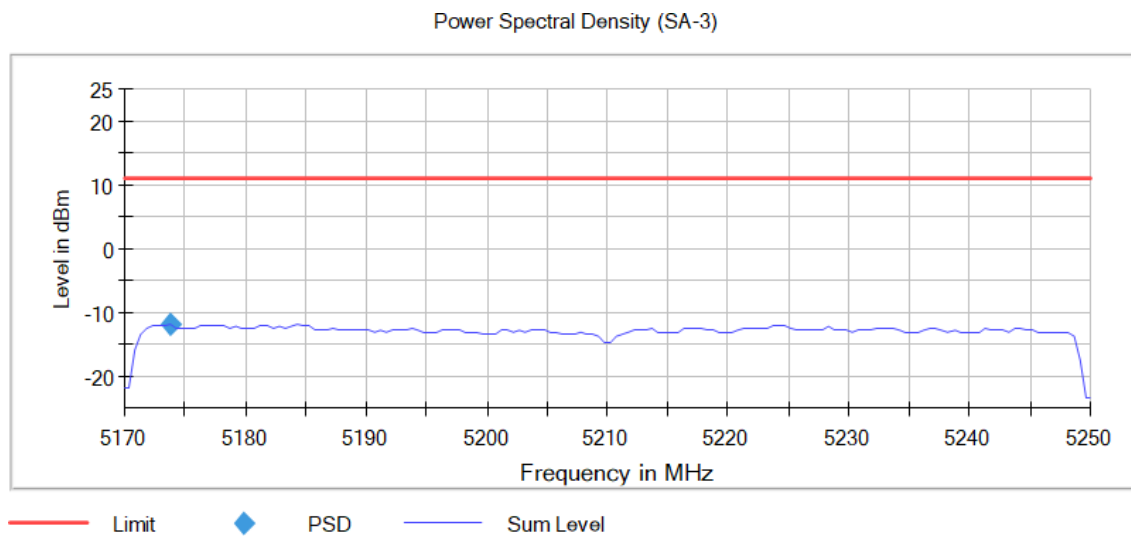
Verdict

Pass

Attachments

Active Port = 1+2, Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



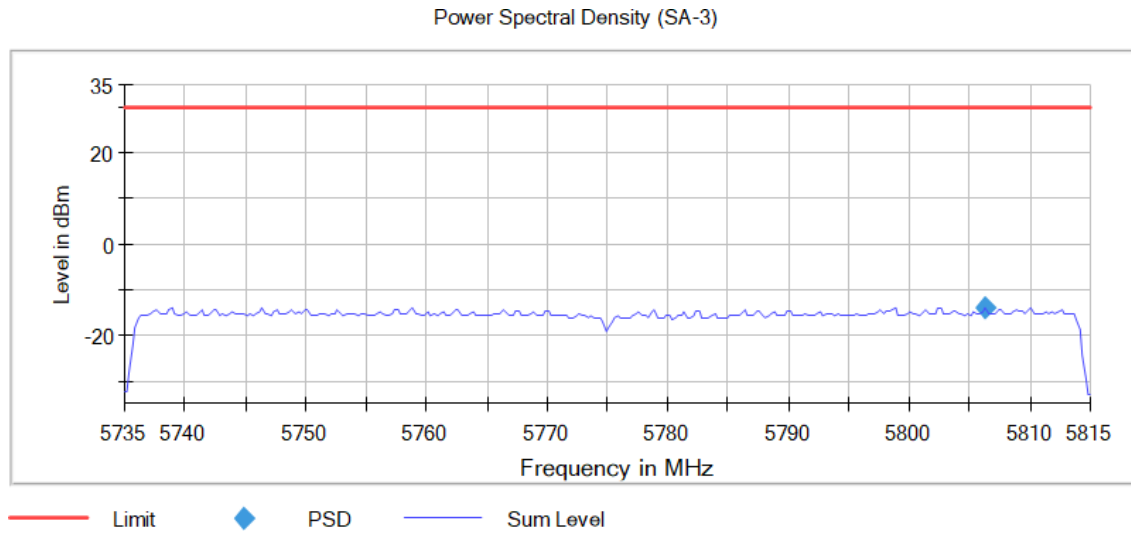
Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	80.000 MHz	80.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	160	~ 160
SweepTime	3.200 ms	3.200 ms
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	18750	18750
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	2 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.00 dB	0.50 dB

Active Port = 1+2, Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDM MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

Setting	Instrument Value	Target Value
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	6.400 ms	6.400 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	9375	9375
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 15	max. 15
Stable	1 / 1	1
Max Stable Difference	0.21 dB	0.50 dB

MIMO Mode: MIMO CCD Mode 2x2
Modulation: 802.11ax HE80 SS1 (OFDMA MCS0)- Partial RU

Results

Port	Freq (MHz)	TPC	# of Tx Chains	Freq (MHz)	PSD (dBm)
1+2	5210.00000	No	2	5171.750000	5.19
1+2	5775.00000	No	2	5737.375000	-0.54

Verdict

Pass

Attachments

Active Port = 1+2, Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS0), TPC = No, MIMO Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2

Images:

