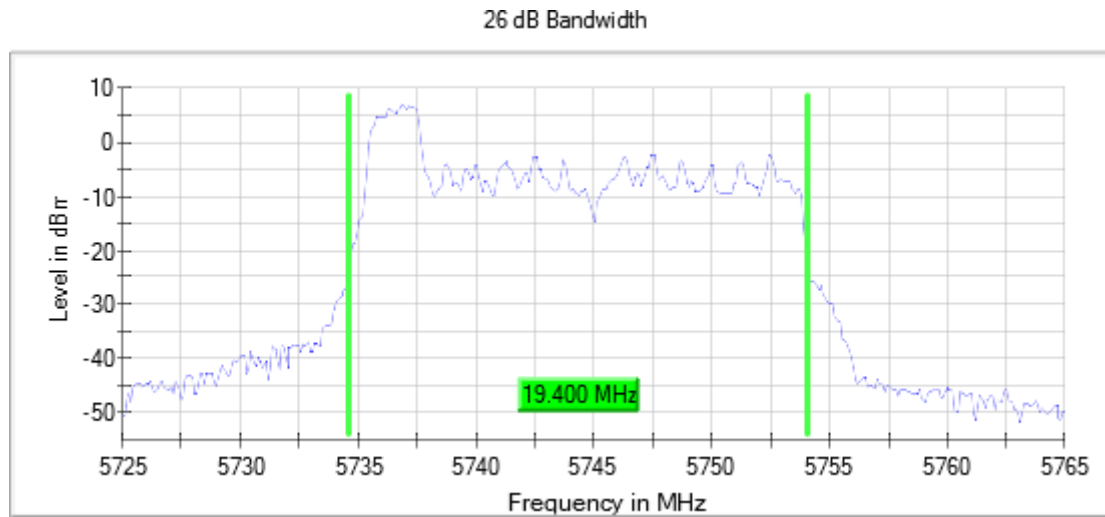


Frequency MHz = 5745.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

Mode = SISO Number of Transmission Chains = 1

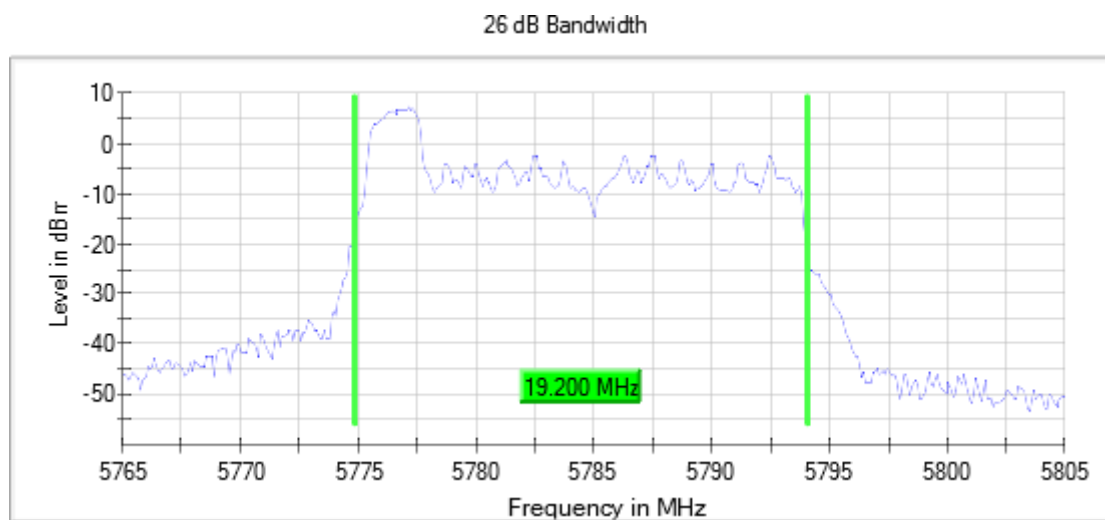
Images:



Frequency MHz = 5785.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

Mode = SISO Number of Transmission Chains = 1

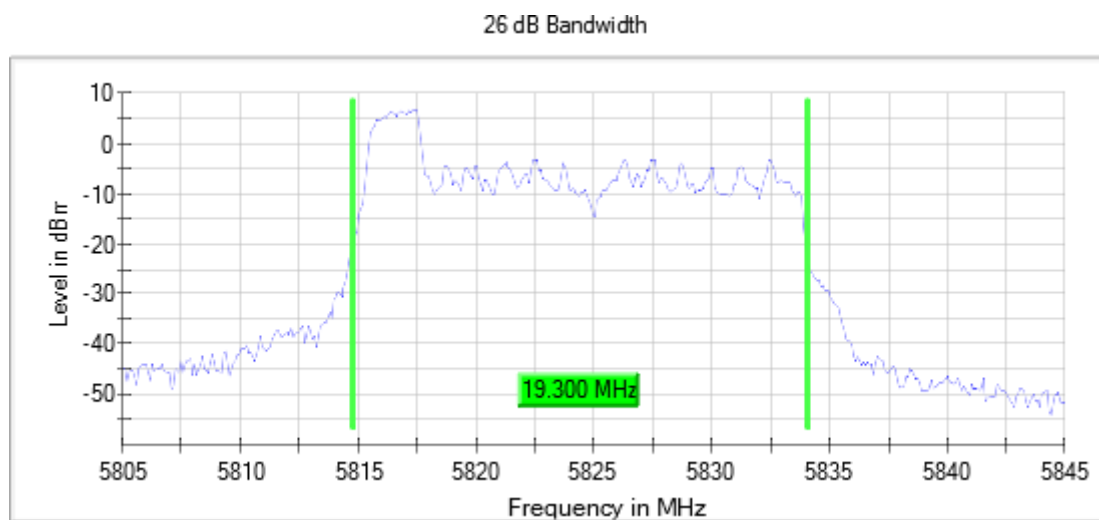
Images:



Frequency MHz = 5825.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

Mode = SISO Number of Transmission Chains = 1

Images:



Mode: SISO
Modulation: 802.11ax HE40 SS1 (OFDMA MCS9) - Partial RU

Results

Freq (MHz)	26Ebw (MHz)
5190.00000	19.512
5230.00000	19.662
5270.00000	22.214
5310.00000	22.214
5510.00000	21.764
5550.00000	22.214
5670.00000	22.064
5755.00000	19.662
5795.00000	19.962

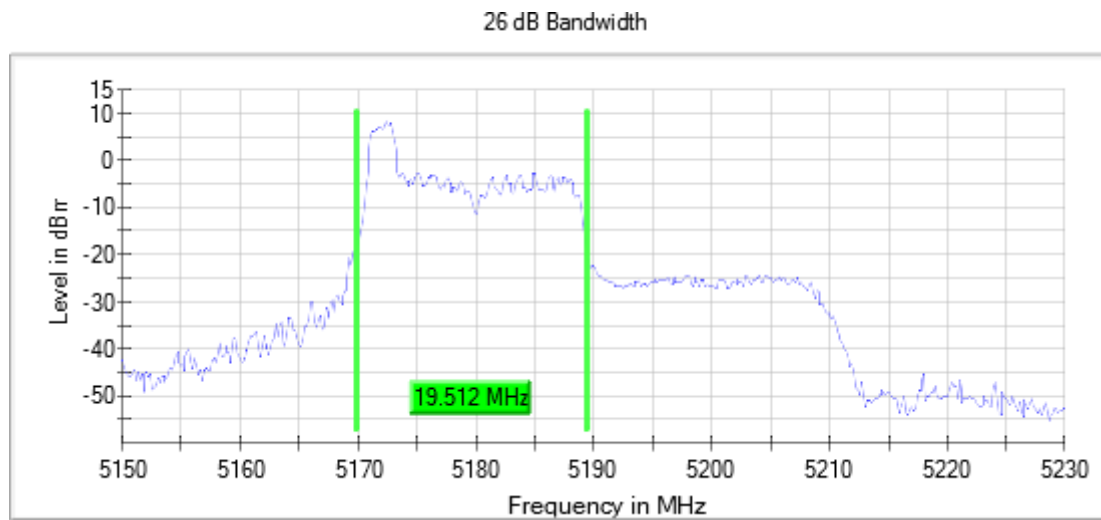
Verdict

Pass

Attachments

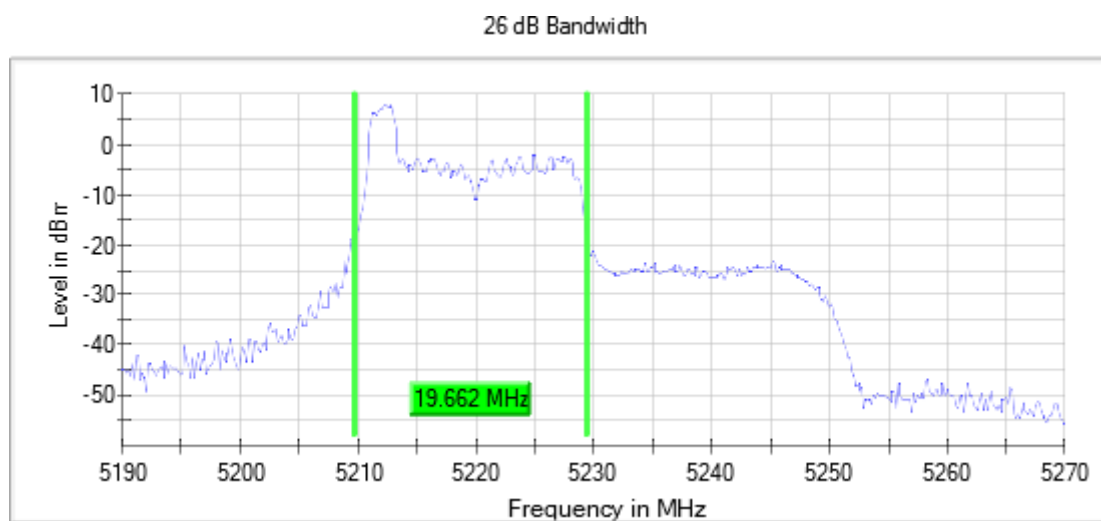
Frequency MHz = 5190.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Number of Transmission Chains = 1

Images:



Frequency MHz = 5230.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Number of Transmission Chains = 1

Images:



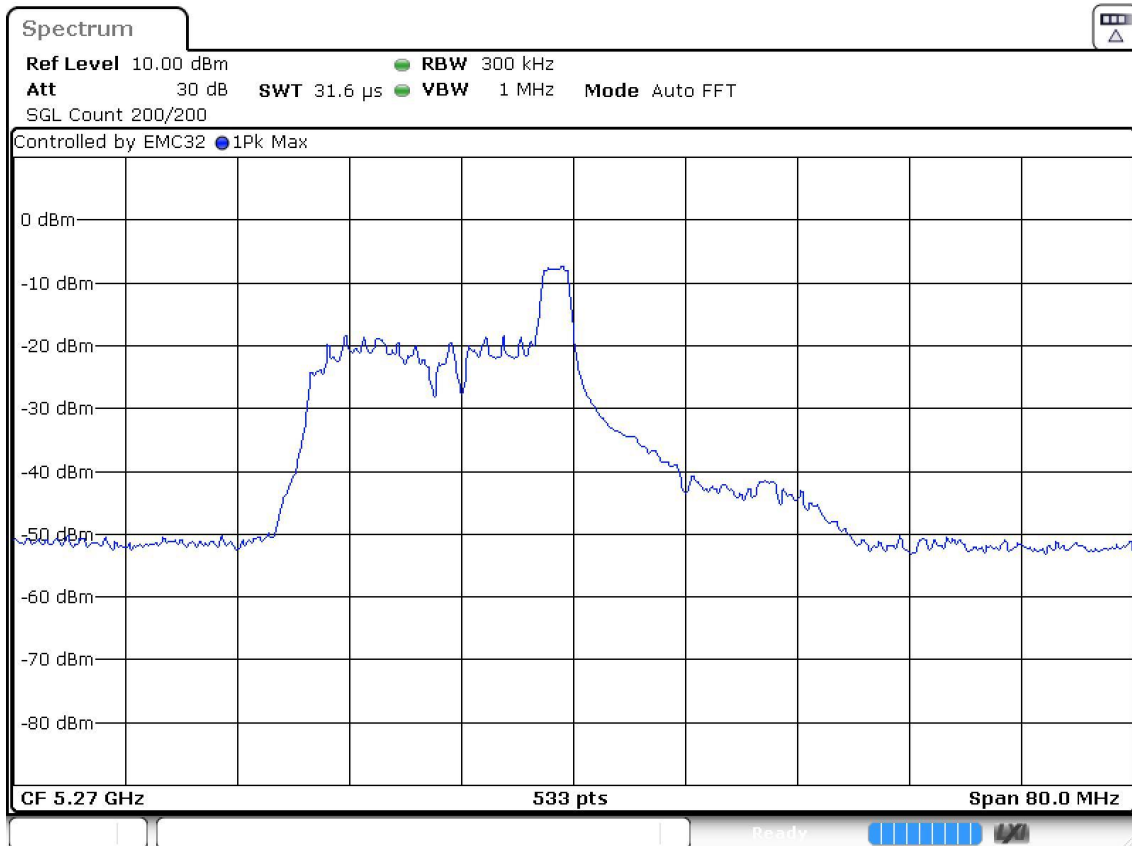
Attachments

Frequency MHz = 5270.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = SISO

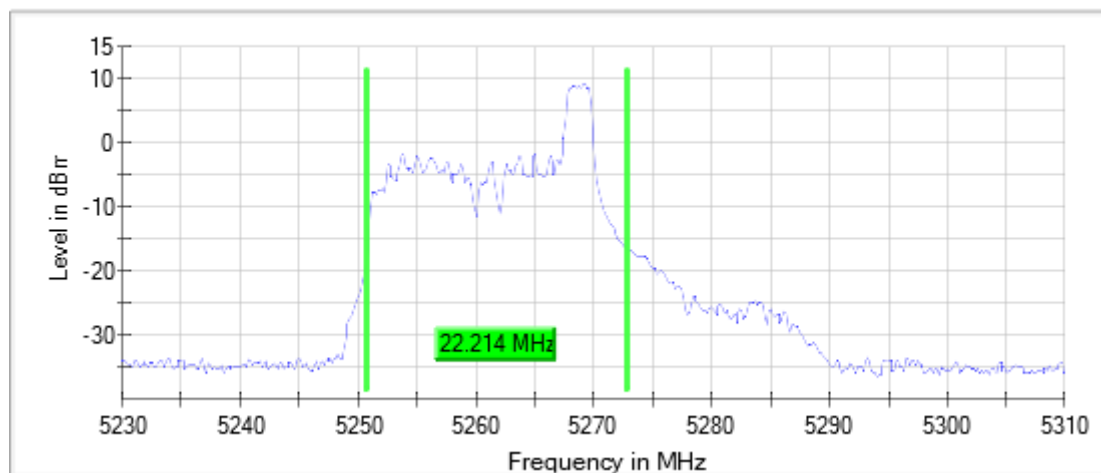
Number of Transmission Chains = 1

Images:



Date: 3.FEB.2023 16:59:14

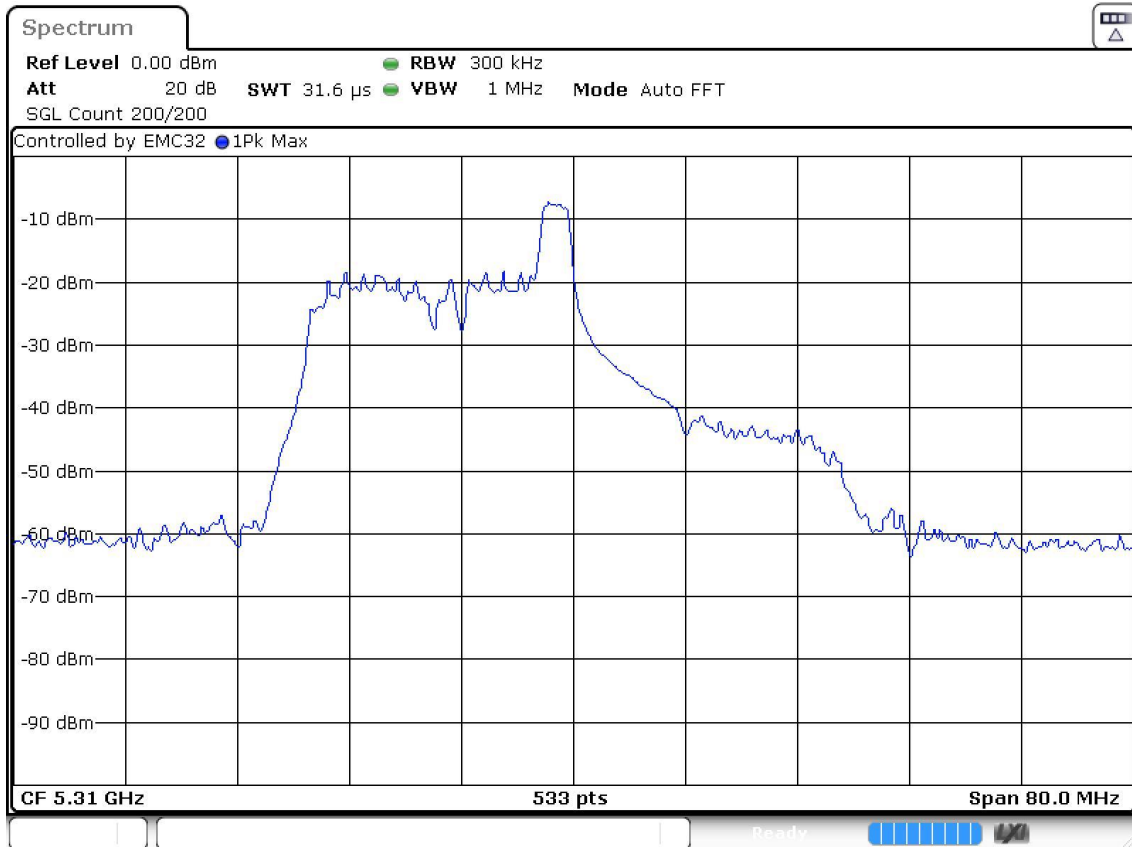
26 dB Bandwidth



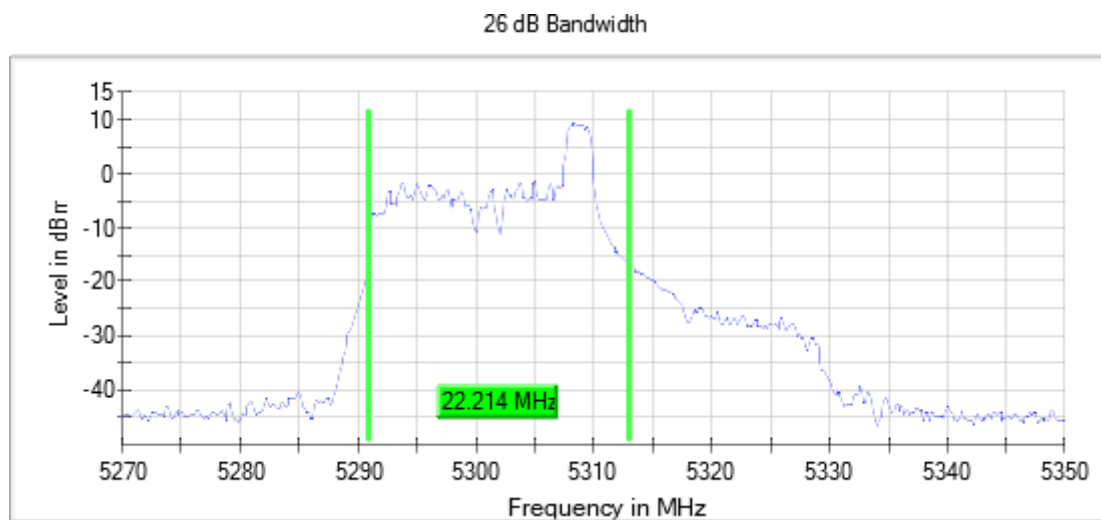
Frequency MHz = 5310.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = SISO Number of Transmission Chains = 1

Images:



Date: 3.FEB.2023 17:06:22

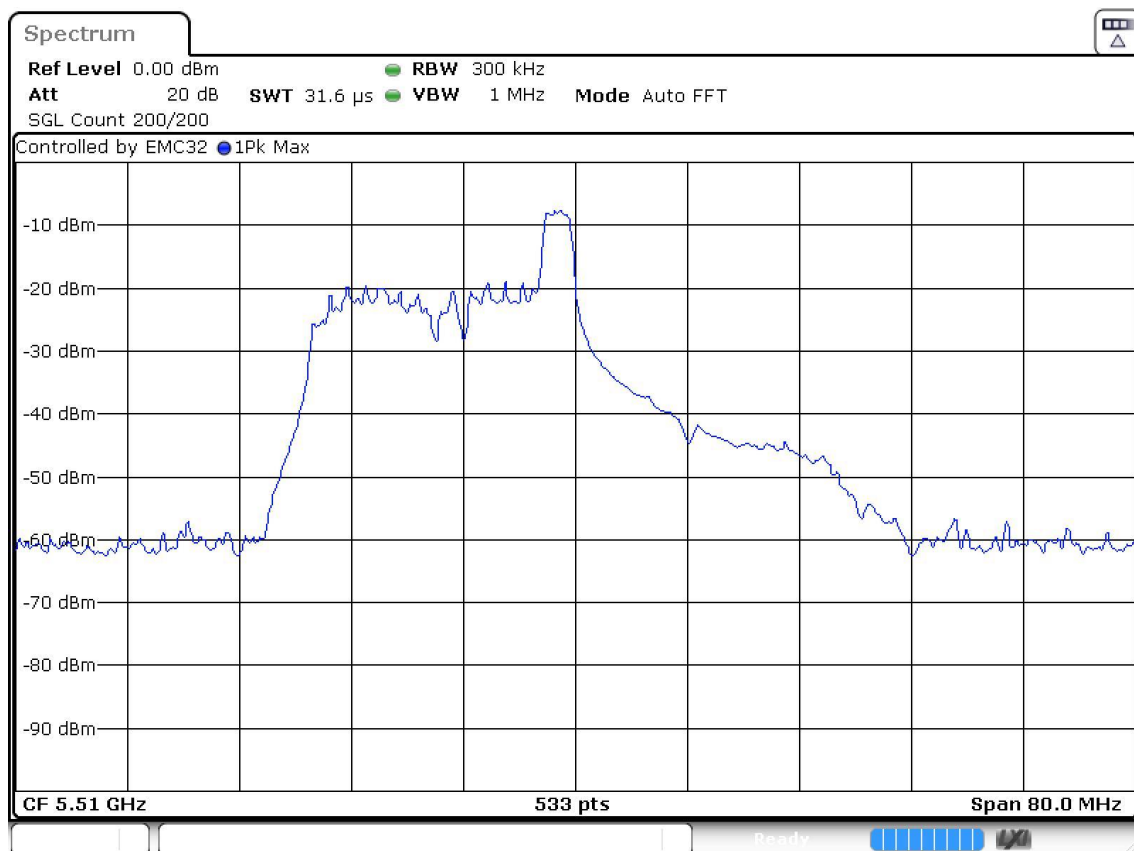
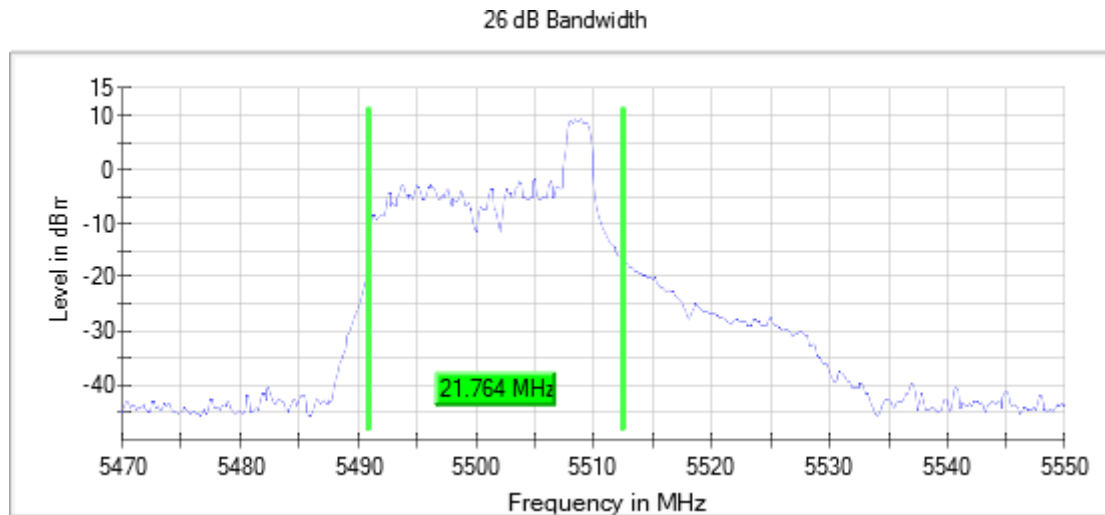


Frequency MHz = 5510.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = SISO

Number of Transmission Chains = 1

Images:

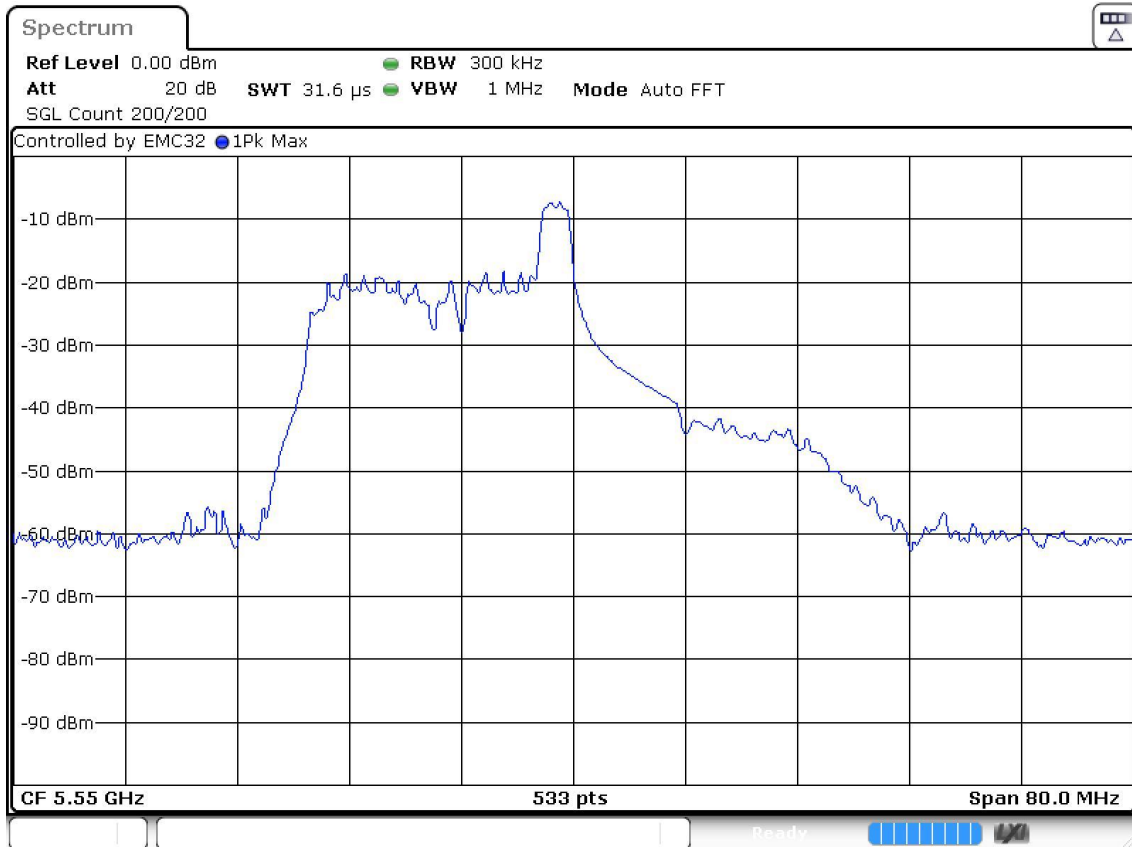


Date: 3.FEB.2023 17:12:46

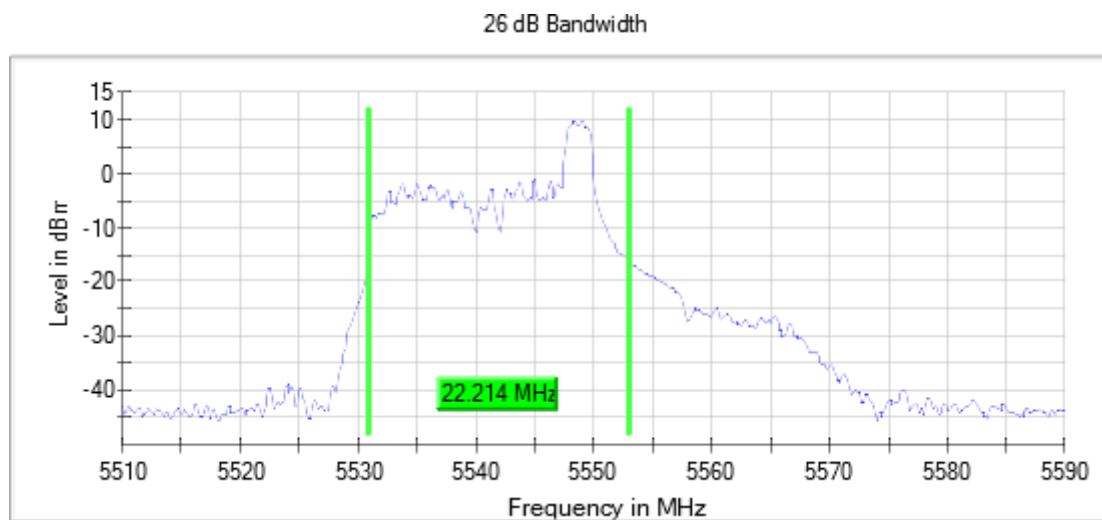
Frequency MHz = 5550.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = SISO Number of Transmission Chains = 1

Images:



Date: 3.FEB.2023 17:18:04

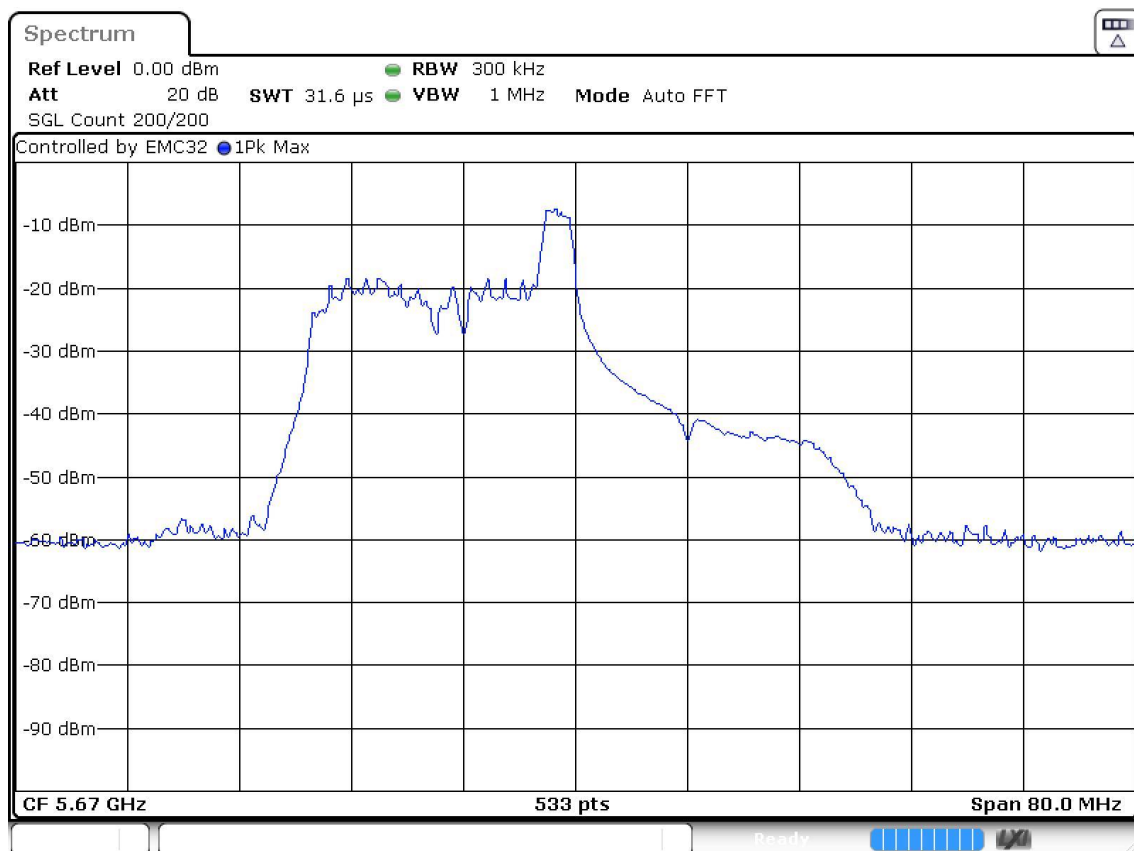
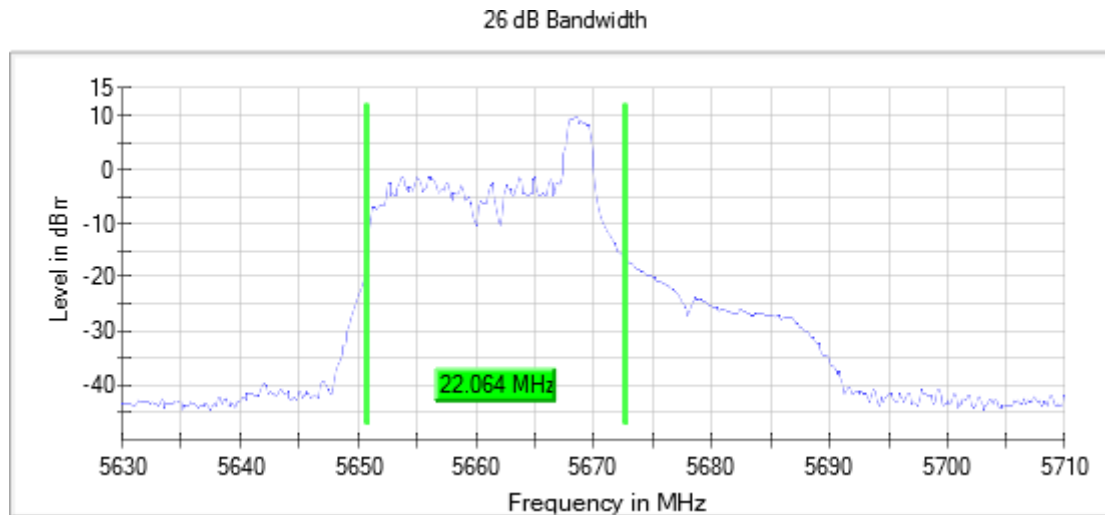


Frequency MHz = 5670.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = SISO

Number of Transmission Chains = 1

Images:



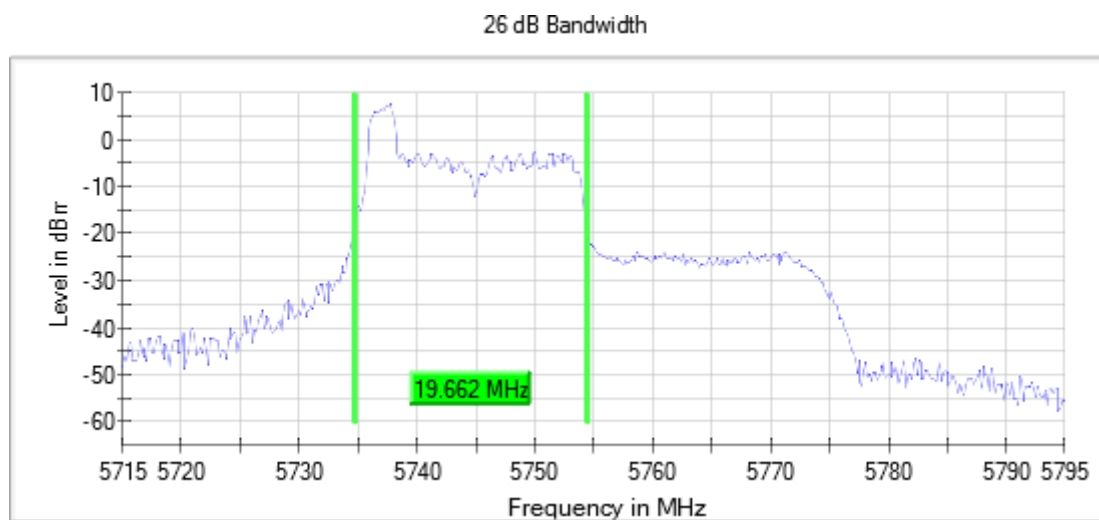
Date: 3.FEB.2023 17:27:17

Frequency MHz = 5755.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = SISO

Number of Transmission Chains = 1

Images:

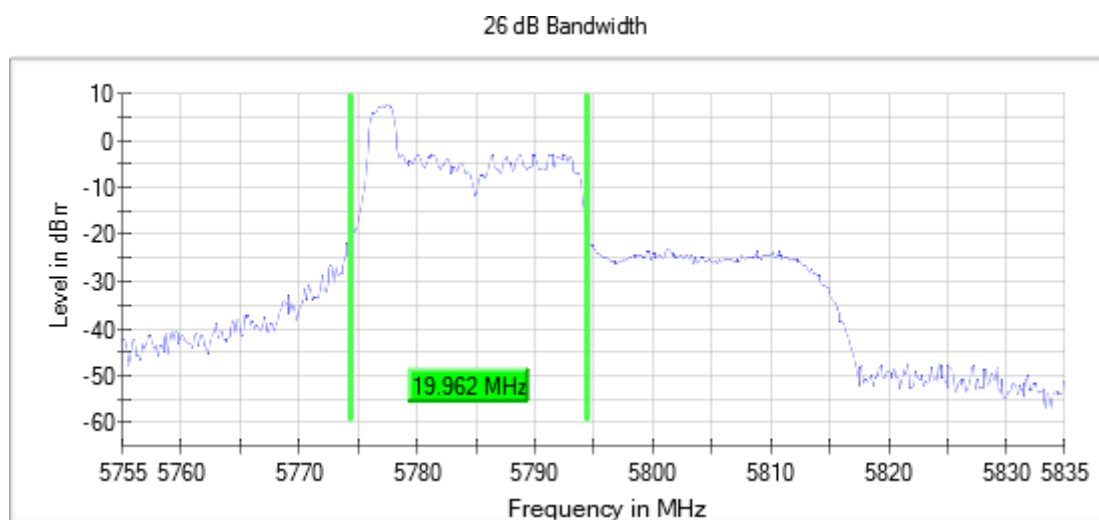


Frequency MHz = 5795.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = SISO

Number of Transmission Chains = 1

Images:



Mode: SISO
Modulation: 802.11ax HE80 SS1 (OFDMA MCS11) - Partial RU

Results

Freq (MHz)	26Ebw (MHz)
5210.00000	81.500
5290.00000	81.000
5530.00000	81.000
5610.00000	81.000
5775.00000	81.500

Verdict

Pass

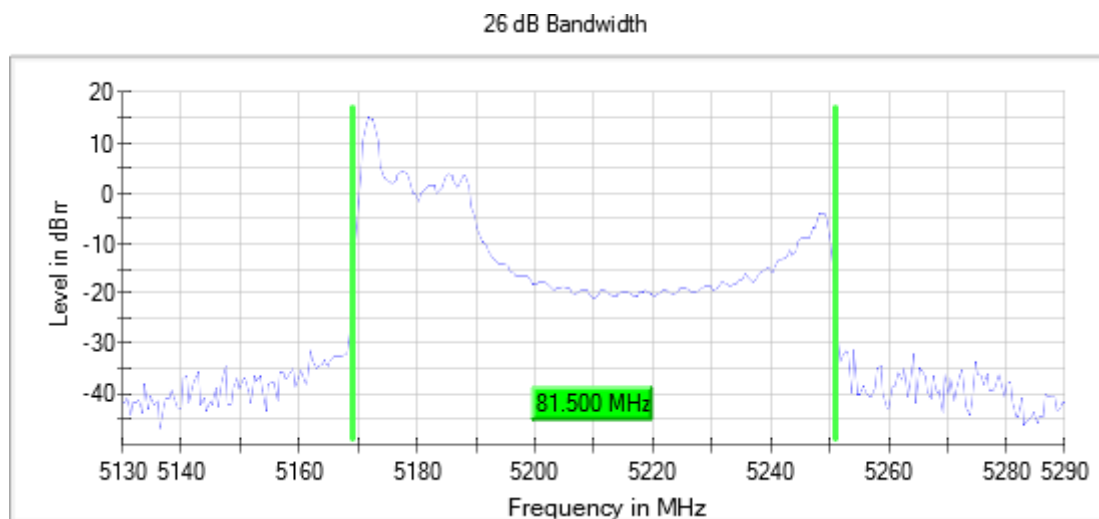
Attachments

Frequency MHz = 5210.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

Mode = SISO

Number of Transmission Chains = 1

Images:



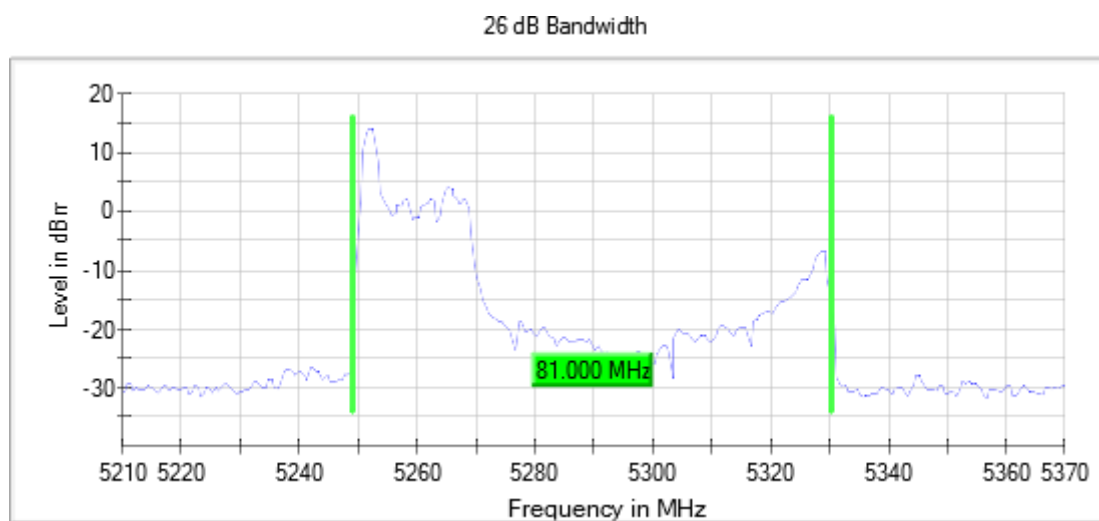
Attachments

Frequency MHz = 5290.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

Mode = SISO

Number of Transmission Chains = 1

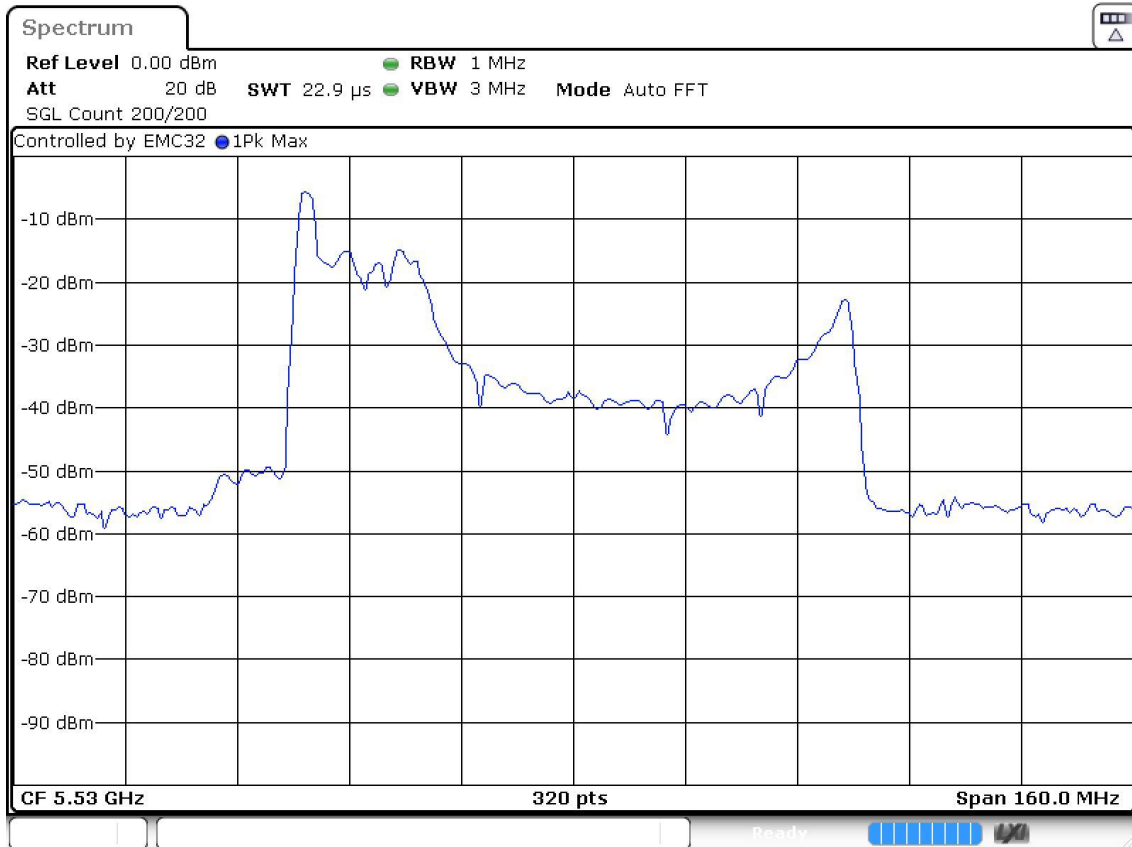
Images:



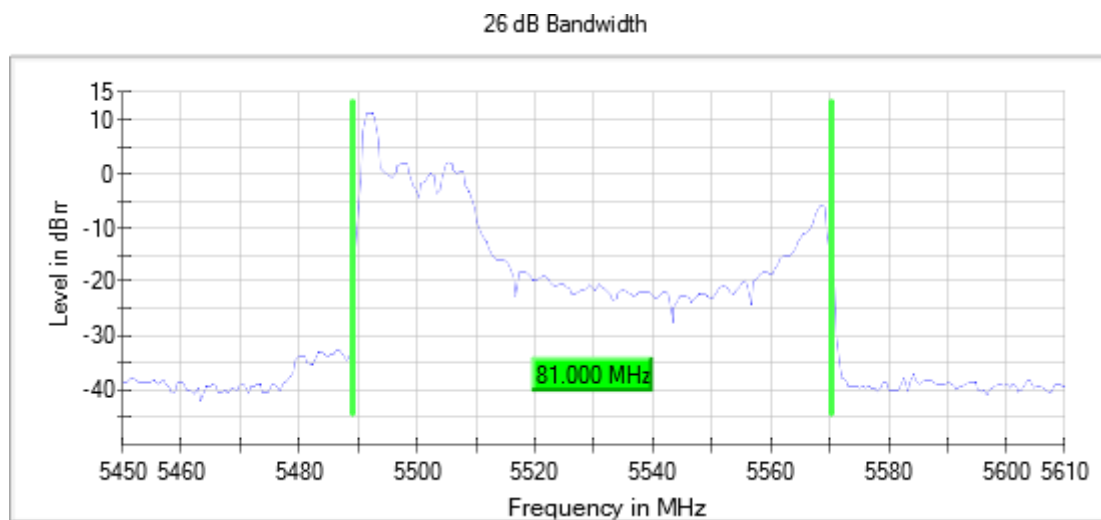
Frequency MHz = 5530.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

Mode = SISO Number of Transmission Chains = 1

Images:



Date: 3.FEB.2023 18:24:51

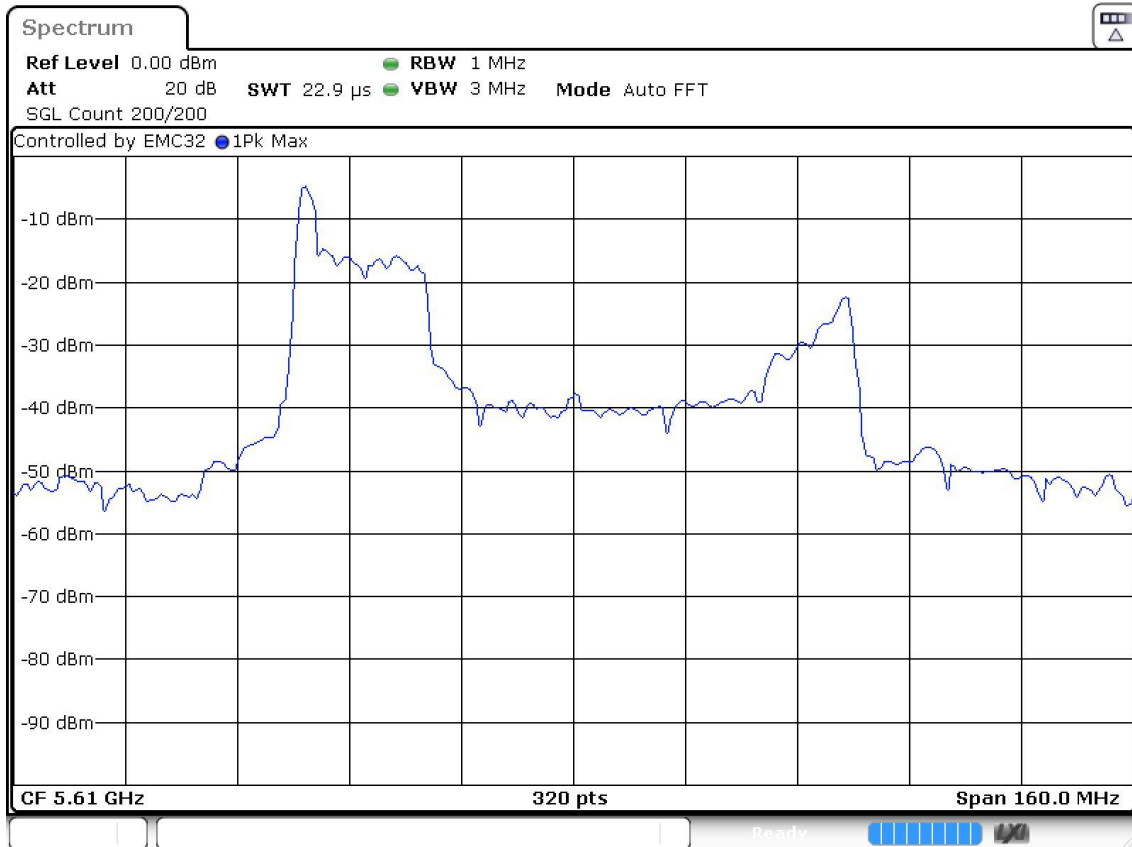


Frequency MHz = 5610.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

Mode = SISO

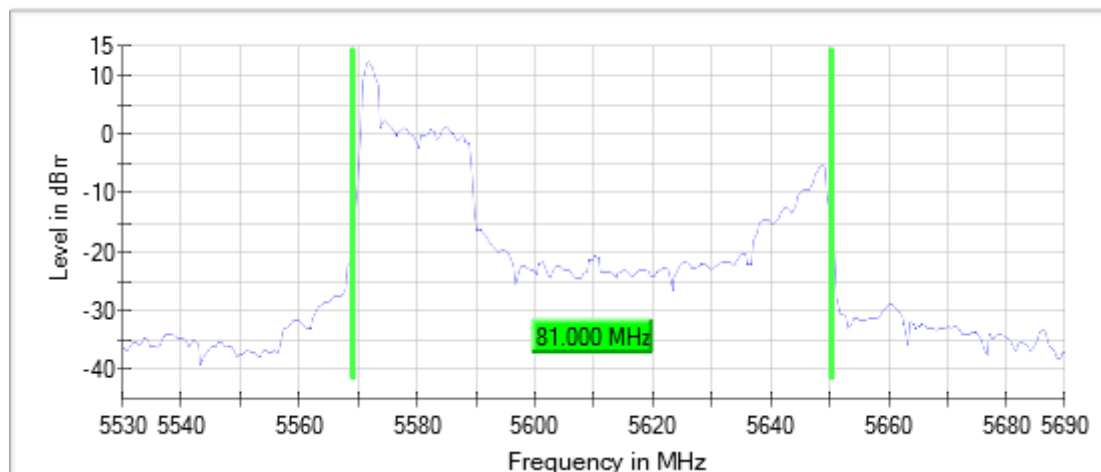
Number of Transmission Chains = 1

Images:



Date: 3.FEB.2023 18:29:42

26 dB Bandwidth

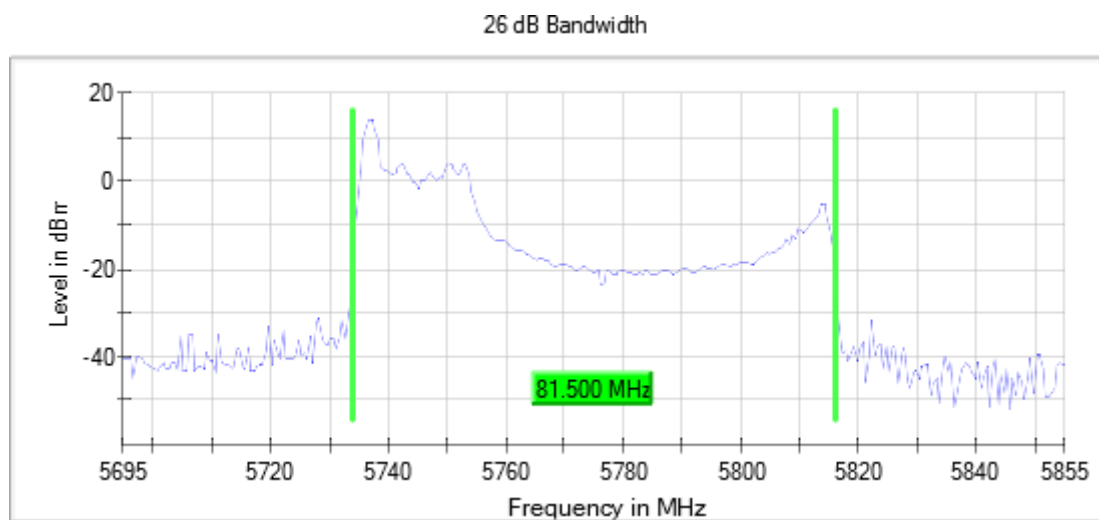


Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

Mode = SISO

Number of Transmission Chains = 1

Images:



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

Limits

For transmitters operating in the 5.15–5.25 and 5.25–5.35 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 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.

For transmitters operating solely 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.

RSS 247:

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz.

Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a. 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b. 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c. 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d. -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

Mode: SISO

Modulation: 802.11a (OFDM 54 Mbit/s)

Results

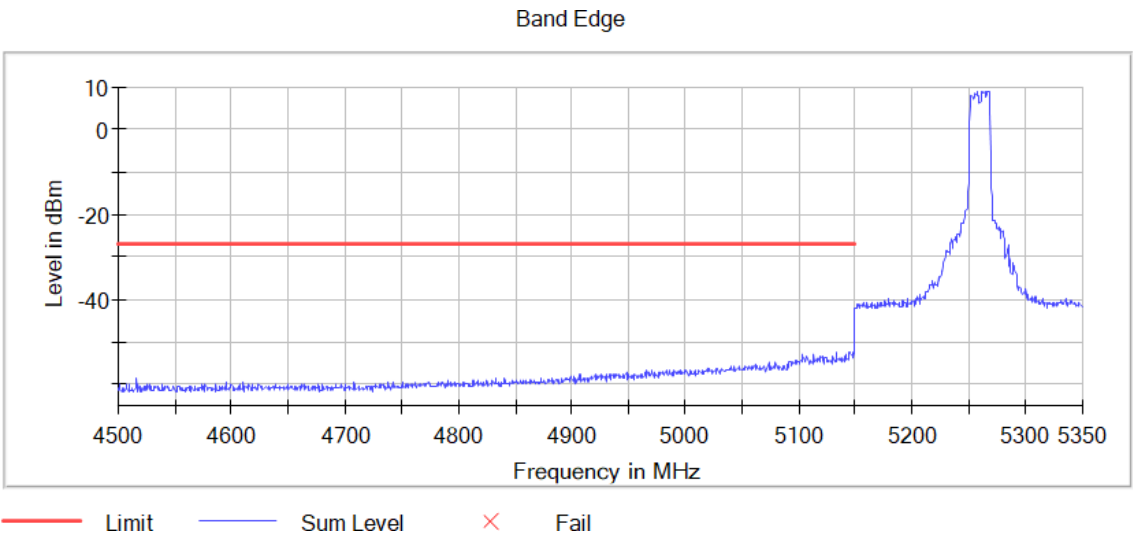
Verdict

Pass

Attachments

Frequency MHz = 5260.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
Mode = SISO Measurement Point = 1

Images:



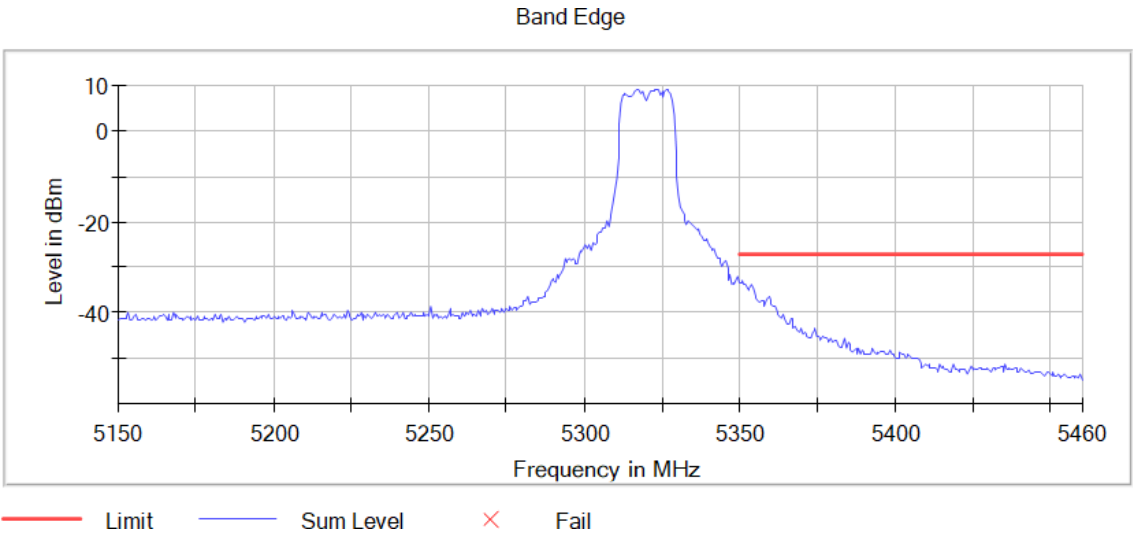
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-51.6	24.6	-27.0	PASS
5145.250000	-52.2	25.2	-27.0	PASS
5144.750000	-52.3	25.3	-27.0	PASS
5147.750000	-52.4	25.4	-27.0	PASS
5148.750000	-52.5	25.5	-27.0	PASS
5133.250000	-52.5	25.5	-27.0	PASS
5146.250000	-52.6	25.6	-27.0	PASS
5113.250000	-52.7	25.7	-27.0	PASS
5149.250000	-52.8	25.8	-27.0	PASS
5145.750000	-53.0	26.0	-27.0	PASS
5141.750000	-53.0	26.0	-27.0	PASS
5103.750000	-53.0	26.0	-27.0	PASS
5143.750000	-53.2	26.2	-27.0	PASS
5104.750000	-53.2	26.2	-27.0	PASS
5146.750000	-53.3	26.3	-27.0	PASS

Frequency MHz = 5320.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
Mode = SISO Measurement Point = 1

Images:



Tables:

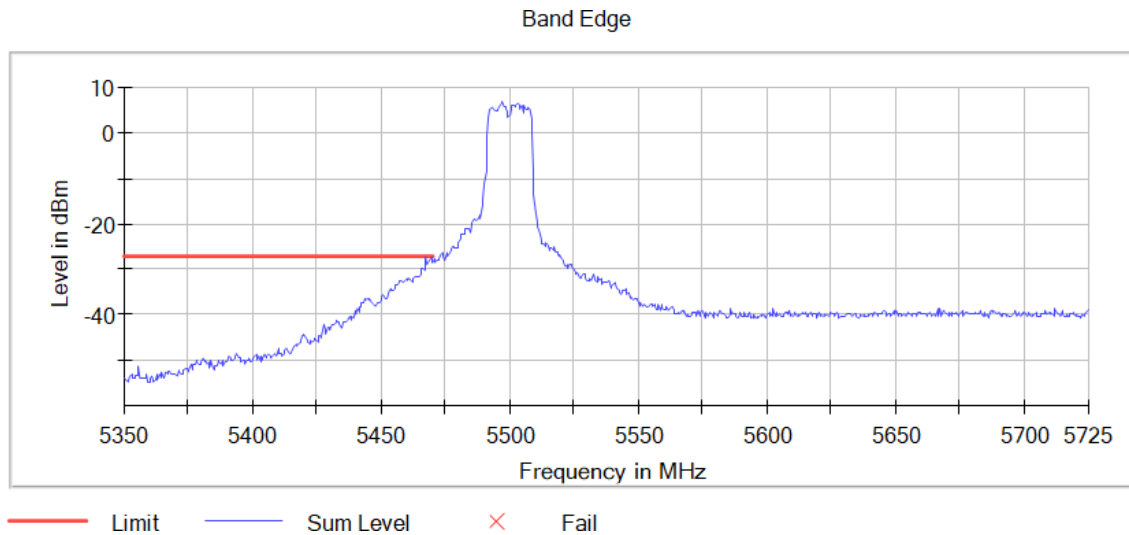
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.750000	-33.1	6.1	-27.0	PASS
5350.250000	-33.4	6.4	-27.0	PASS
5353.750000	-33.6	6.6	-27.0	PASS
5351.750000	-33.6	6.6	-27.0	PASS
5351.250000	-33.7	6.7	-27.0	PASS
5354.250000	-34.5	7.5	-27.0	PASS
5352.250000	-34.6	7.6	-27.0	PASS
5353.250000	-34.7	7.7	-27.0	PASS
5352.750000	-34.9	7.9	-27.0	PASS
5354.750000	-36.5	9.5	-27.0	PASS
5359.250000	-36.5	9.5	-27.0	PASS
5358.750000	-36.6	9.6	-27.0	PASS
5355.250000	-36.7	9.7	-27.0	PASS
5357.250000	-37.0	10.0	-27.0	PASS
5356.750000	-37.1	10.1	-27.0	PASS

Frequency MHz = 5500.00000 Modulation = 802.11a (OFDM 54 Mbit/s)

Mode = SISO Measurement Point = 1

Images:



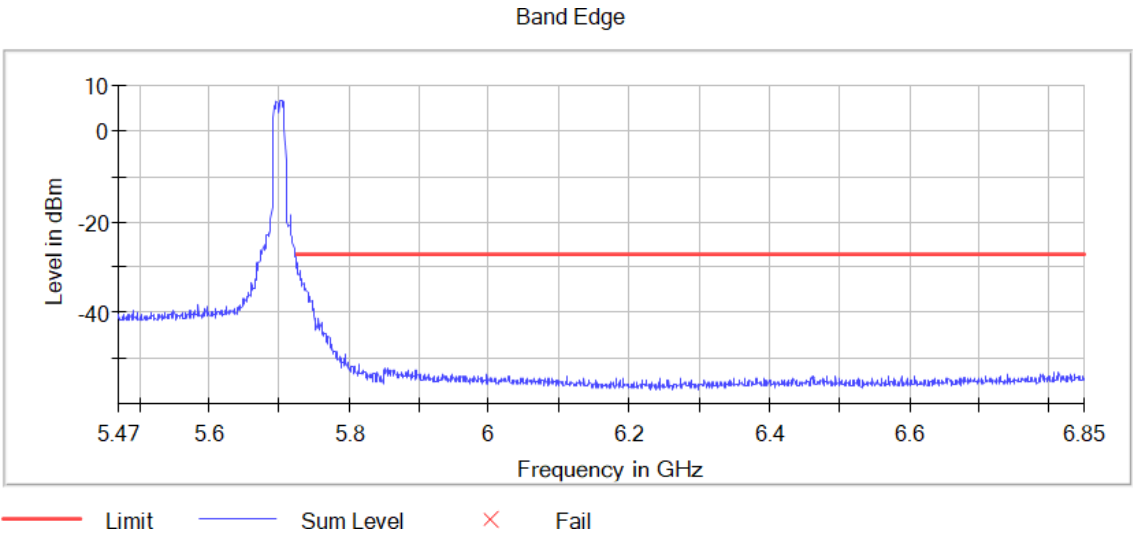
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.750000	-51.6	24.6	-27.0	PASS
5145.250000	-52.2	25.2	-27.0	PASS
5144.750000	-52.3	25.3	-27.0	PASS
5147.750000	-52.4	25.4	-27.0	PASS
5148.750000	-52.5	25.5	-27.0	PASS
5133.250000	-52.5	25.5	-27.0	PASS
5146.250000	-52.6	25.6	-27.0	PASS
5113.250000	-52.7	25.7	-27.0	PASS
5149.250000	-52.8	25.8	-27.0	PASS
5145.750000	-53.0	26.0	-27.0	PASS
5141.750000	-53.0	26.0	-27.0	PASS
5103.750000	-53.0	26.0	-27.0	PASS
5143.750000	-53.2	26.2	-27.0	PASS
5104.750000	-53.2	26.2	-27.0	PASS
5146.750000	-53.3	26.3	-27.0	PASS

Frequency MHz = 5700.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
Mode = SISO Measurement Point = 1

Images:



Tables:
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.750000	-33.1	6.1	-27.0	PASS
5350.250000	-33.4	6.4	-27.0	PASS
5353.750000	-33.6	6.6	-27.0	PASS
5351.750000	-33.6	6.6	-27.0	PASS
5351.250000	-33.7	6.7	-27.0	PASS
5354.250000	-34.5	7.5	-27.0	PASS
5352.250000	-34.6	7.6	-27.0	PASS
5353.250000	-34.7	7.7	-27.0	PASS
5352.750000	-34.9	7.9	-27.0	PASS
5354.750000	-36.5	9.5	-27.0	PASS
5359.250000	-36.5	9.5	-27.0	PASS
5358.750000	-36.6	9.6	-27.0	PASS
5355.250000	-36.7	9.7	-27.0	PASS
5357.250000	-37.0	10.0	-27.0	PASS
5356.750000	-37.1	10.1	-27.0	PASS

Mode: SISO

Modulation: 802.11n HT20 (OFDM MCS7)

Results

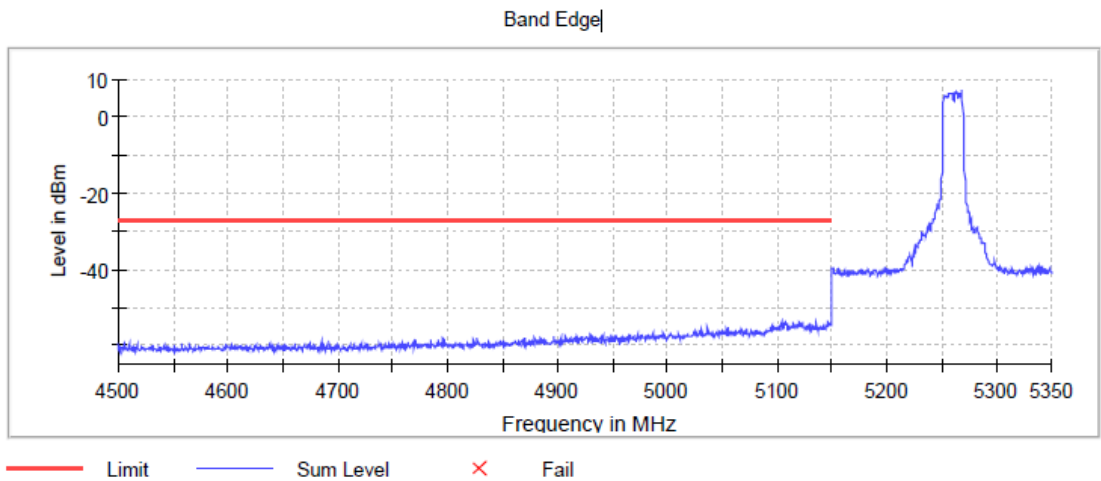
Verdict

Pass

Attachments

Frequency MHz = 5260.00000 Modulation = 802.11n HT20 (OFDM MCS7)
Mode = SISO Measurement Point = 1

Images:



Tables:

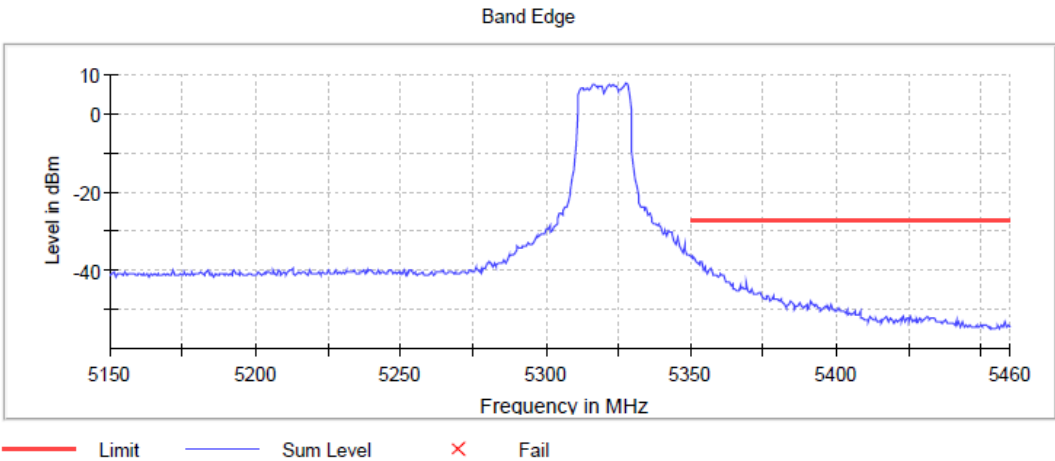
Spectrum Analyzer Parameters

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.750000	-53.4	26.4	-27.0	PASS
5146.250000	-53.5	26.5	-27.0	PASS
5120.250000	-53.7	26.7	-27.0	PASS
5114.250000	-53.8	26.8	-27.0	PASS
5103.250000	-53.8	26.8	-27.0	PASS
5119.750000	-53.9	26.9	-27.0	PASS
5122.750000	-53.9	26.9	-27.0	PASS
5106.750000	-54.0	27.0	-27.0	PASS
5130.250000	-54.0	27.0	-27.0	PASS
5120.750000	-54.1	27.1	-27.0	PASS
5108.750000	-54.1	27.1	-27.0	PASS
5135.750000	-54.1	27.1	-27.0	PASS
5149.250000	-54.2	27.2	-27.0	PASS
5147.750000	-54.3	27.3	-27.0	PASS
5106.250000	-54.3	27.3	-27.0	PASS

Frequency MHz = 5320.00000 Modulation = 802.11n HT20 (OFDM MCS7)
Mode = SISO Measurement Point = 1

Images:



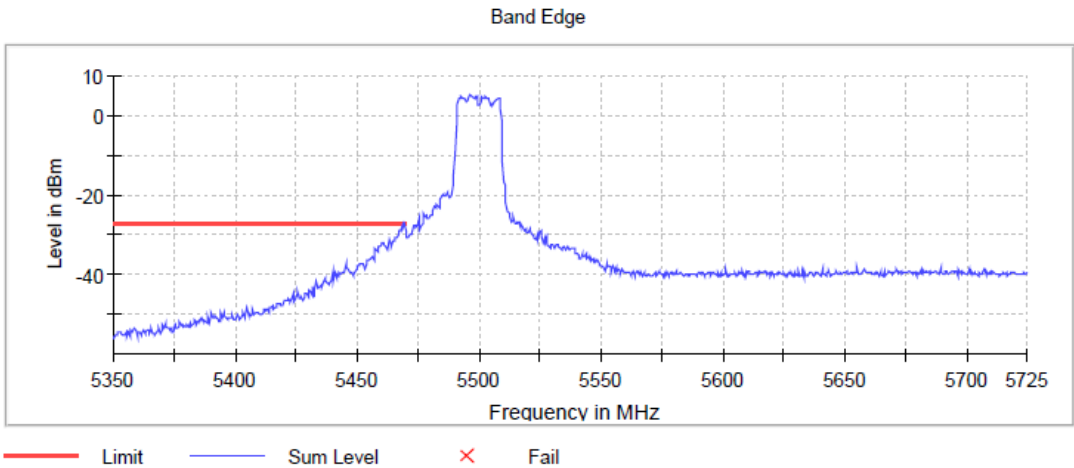
Tables:
Spectrum Analyzer Parameters

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5350.750000	-36.4	9.4	-27.0	PASS
5350.250000	-36.6	9.6	-27.0	PASS
5351.250000	-37.0	10.0	-27.0	PASS
5353.750000	-37.6	10.6	-27.0	PASS
5351.750000	-37.7	10.7	-27.0	PASS
5353.250000	-37.8	10.8	-27.0	PASS
5352.250000	-38.1	11.1	-27.0	PASS
5352.750000	-38.6	11.6	-27.0	PASS
5354.750000	-38.8	11.8	-27.0	PASS
5356.750000	-39.5	12.5	-27.0	PASS
5354.250000	-39.8	12.8	-27.0	PASS
5356.250000	-39.9	12.9	-27.0	PASS
5355.250000	-40.1	13.1	-27.0	PASS
5355.750000	-40.6	13.6	-27.0	PASS
5360.250000	-40.9	13.9	-27.0	PASS

Frequency MHz = 5500.00000 Modulation = 802.11n HT20 (OFDM MCS7)
Mode = SISO Measurement Point = 1

Images:



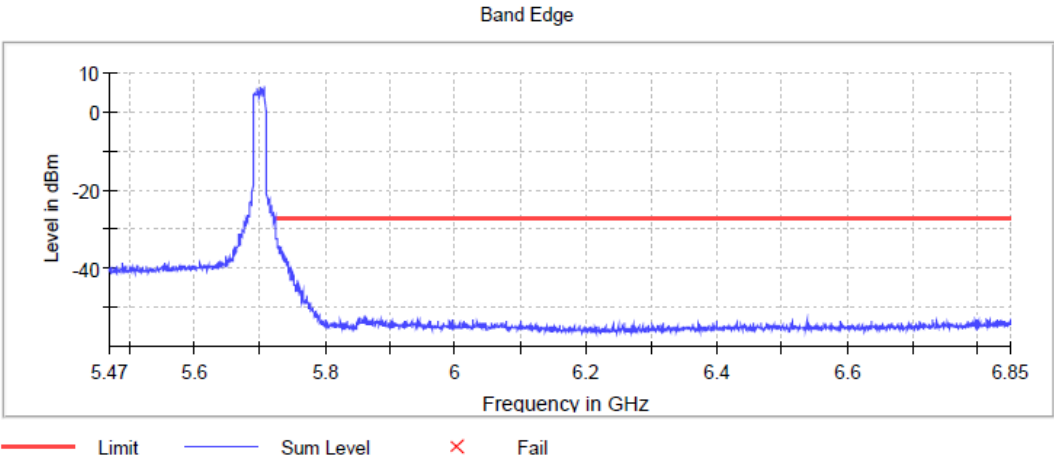
Tables:
Spectrum Analyzer Parameters

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5469.250000	-27.0	0.0	-27.0	PASS
5468.250000	-27.6	0.6	-27.0	PASS
5468.750000	-28.4	1.4	-27.0	PASS
5467.250000	-28.8	1.8	-27.0	PASS
5469.750000	-29.0	2.0	-27.0	PASS
5467.750000	-29.1	2.1	-27.0	PASS
5466.750000	-30.0	3.0	-27.0	PASS
5465.750000	-30.7	3.7	-27.0	PASS
5466.250000	-30.7	3.7	-27.0	PASS
5463.250000	-31.3	4.3	-27.0	PASS
5465.250000	-31.4	4.4	-27.0	PASS
5464.750000	-31.5	4.5	-27.0	PASS
5460.250000	-32.1	5.1	-27.0	PASS
5460.750000	-32.1	5.1	-27.0	PASS
5461.250000	-32.3	5.3	-27.0	PASS

Frequency MHz = 5700.00000 Modulation = 802.11n HT20 (OFDM MCS7)
Mode = SISO Measurement Point = 1

Images:



Tables:
Spectrum Analyzer Parameters

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5725.250000	-30.8	3.8	-27.0	PASS
5725.750000	-32.5	5.5	-27.0	PASS
5726.250000	-32.6	5.6	-27.0	PASS
5727.750000	-32.9	5.9	-27.0	PASS
5728.250000	-33.4	6.4	-27.0	PASS
5726.750000	-33.7	6.7	-27.0	PASS
5729.750000	-34.4	7.4	-27.0	PASS
5727.250000	-34.5	7.5	-27.0	PASS
5728.750000	-34.6	7.6	-27.0	PASS
5731.750000	-34.7	7.7	-27.0	PASS
5730.250000	-34.8	7.8	-27.0	PASS
5731.250000	-34.9	7.9	-27.0	PASS
5729.250000	-35.2	8.2	-27.0	PASS
5733.750000	-35.2	8.2	-27.0	PASS
5732.250000	-35.5	8.5	-27.0	PASS

Mode: SISO

Modulation: 802.11n HT40 (OFDM MCS7)

Results

Verdict

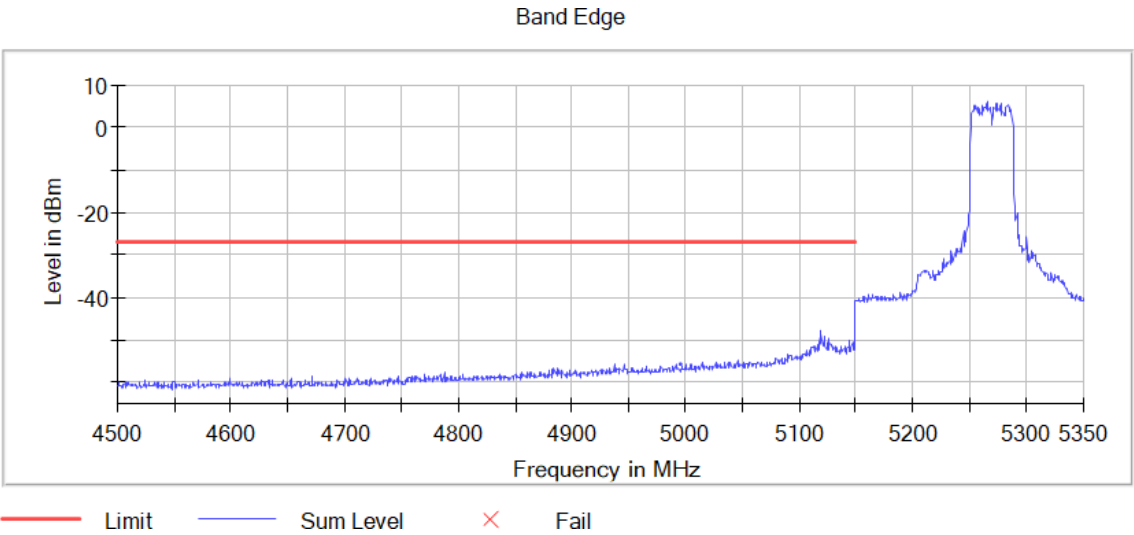
Pass

Attachments

Frequency MHz = 5270.00000 Modulation = 802.11n HT40 (OFDM MCS7)

Mode = SISO Measurement Point = 1

Images:



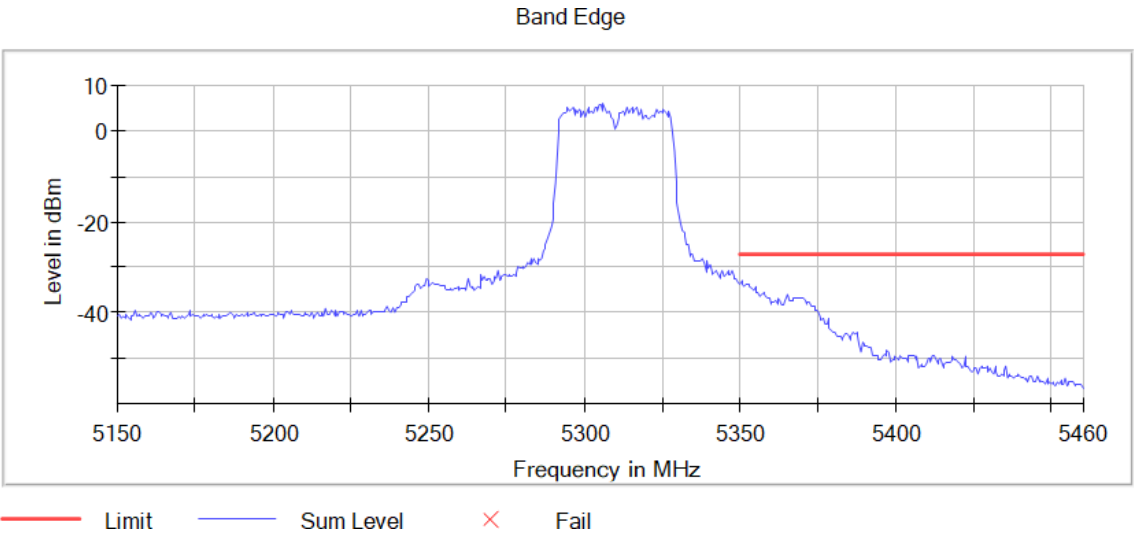
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5119.750000	-47.9	20.9	-27.0	PASS
5120.250000	-48.7	21.7	-27.0	PASS
5118.750000	-49.2	22.2	-27.0	PASS
5123.250000	-49.2	22.2	-27.0	PASS
5126.250000	-49.6	22.6	-27.0	PASS
5144.250000	-50.1	23.1	-27.0	PASS
5121.750000	-50.3	23.3	-27.0	PASS
5126.750000	-50.5	23.5	-27.0	PASS
5118.250000	-50.5	23.5	-27.0	PASS
5146.750000	-50.5	23.5	-27.0	PASS
5127.250000	-50.5	23.5	-27.0	PASS
5124.750000	-50.5	23.5	-27.0	PASS
5147.250000	-50.7	23.7	-27.0	PASS
5119.250000	-50.7	23.7	-27.0	PASS
5122.250000	-50.9	23.9	-27.0	PASS

Frequency MHz = 5310.00000 Modulation = 802.11n HT40 (OFDM MCS7)
Mode = SISO Measurement Point = 1

Images:

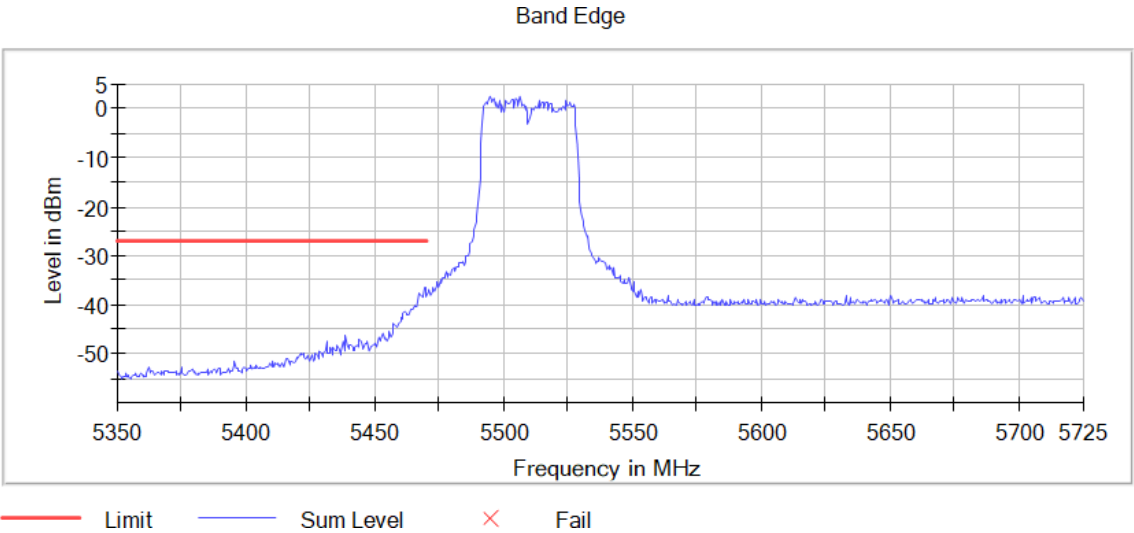


Tables:
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.250000	-32.9	5.9	-27.0	PASS
5351.750000	-33.6	6.6	-27.0	PASS
5350.750000	-33.7	6.7	-27.0	PASS
5352.750000	-33.8	6.8	-27.0	PASS
5352.250000	-33.8	6.8	-27.0	PASS
5351.250000	-34.3	7.3	-27.0	PASS
5353.250000	-34.3	7.3	-27.0	PASS
5354.750000	-34.4	7.4	-27.0	PASS
5353.750000	-34.6	7.6	-27.0	PASS
5354.250000	-35.2	8.2	-27.0	PASS
5357.250000	-35.3	8.3	-27.0	PASS
5355.750000	-35.5	8.5	-27.0	PASS
5355.250000	-35.6	8.6	-27.0	PASS
5357.750000	-35.9	8.9	-27.0	PASS
5365.250000	-36.1	9.1	-27.0	PASS

Frequency MHz = 5510.00000 Modulation = 802.11n HT40 (OFDM MCS7)
Mode = SISO Measurement Point = 1

Images:



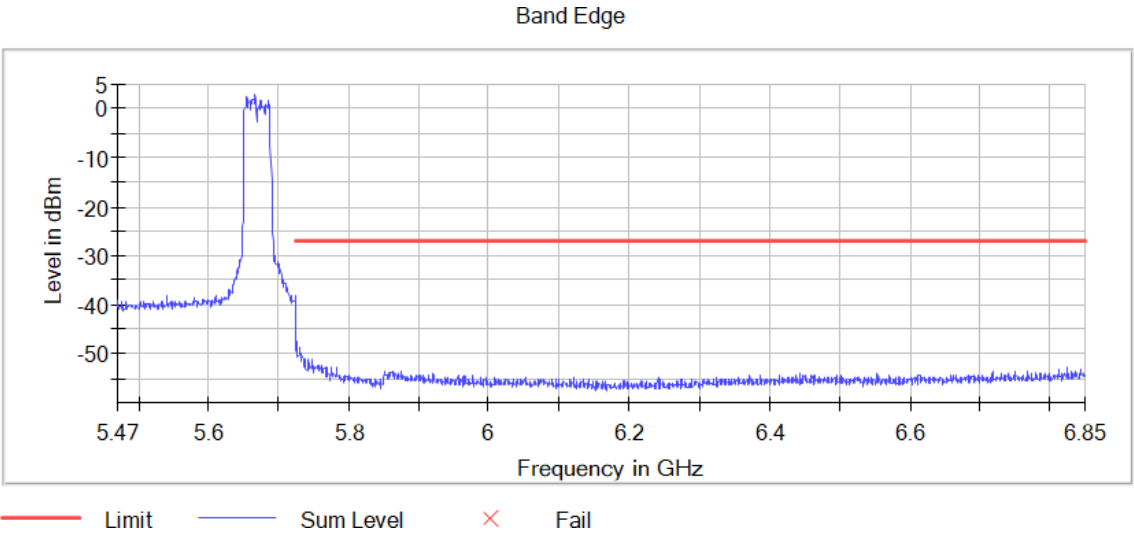
Tables:
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5119.750000	-47.9	20.9	-27.0	PASS
5120.250000	-48.7	21.7	-27.0	PASS
5118.750000	-49.2	22.2	-27.0	PASS
5123.250000	-49.2	22.2	-27.0	PASS
5126.250000	-49.6	22.6	-27.0	PASS
5144.250000	-50.1	23.1	-27.0	PASS
5121.750000	-50.3	23.3	-27.0	PASS
5126.750000	-50.5	23.5	-27.0	PASS
5118.250000	-50.5	23.5	-27.0	PASS
5146.750000	-50.5	23.5	-27.0	PASS
5127.250000	-50.5	23.5	-27.0	PASS
5124.750000	-50.5	23.5	-27.0	PASS
5147.250000	-50.7	23.7	-27.0	PASS
5119.250000	-50.7	23.7	-27.0	PASS
5122.250000	-50.9	23.9	-27.0	PASS

Frequency MHz = 5670.00000
Modulation = 802.11n HT40 (OFDM MCS7)

Mode = SISO
Measurement Point = 1

Images:



Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.250000	-32.9	5.9	-27.0	PASS
5351.750000	-33.6	6.6	-27.0	PASS
5350.750000	-33.7	6.7	-27.0	PASS
5352.750000	-33.8	6.8	-27.0	PASS
5352.250000	-33.8	6.8	-27.0	PASS
5351.250000	-34.3	7.3	-27.0	PASS
5353.250000	-34.3	7.3	-27.0	PASS
5354.750000	-34.4	7.4	-27.0	PASS
5353.750000	-34.6	7.6	-27.0	PASS
5354.250000	-35.2	8.2	-27.0	PASS
5357.250000	-35.3	8.3	-27.0	PASS
5355.750000	-35.5	8.5	-27.0	PASS
5355.250000	-35.6	8.6	-27.0	PASS
5357.750000	-35.9	8.9	-27.0	PASS
5365.250000	-36.1	9.1	-27.0	PASS

Mode: SISO

Modulation: 802.11ac VHT20 SS1 (OFDM MCS8)

Results

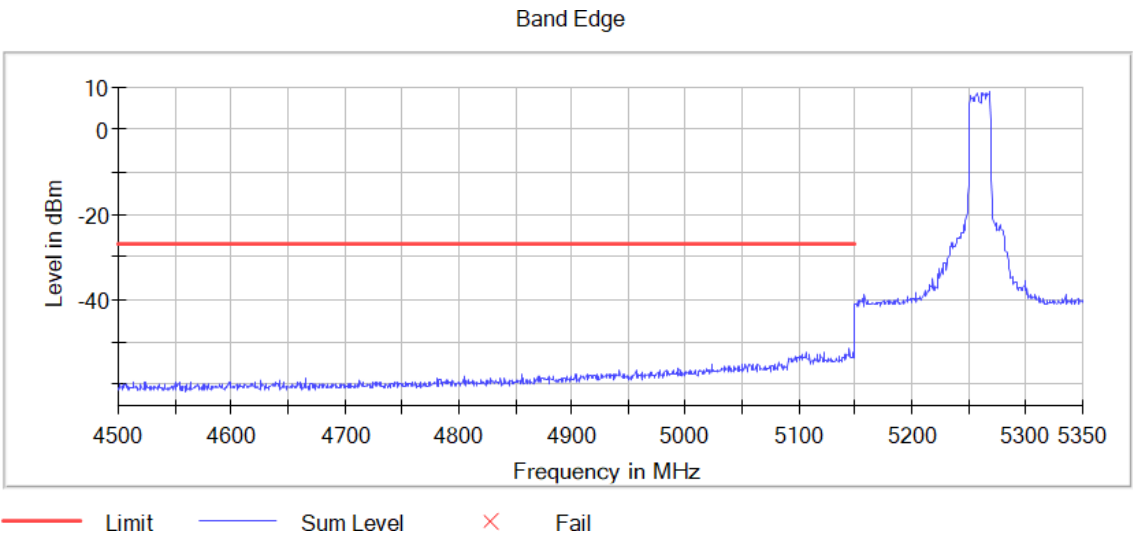
Verdict

Pass

Attachments

Frequency MHz = 5260.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
Mode = SISO Measurement Point = 1

Images:



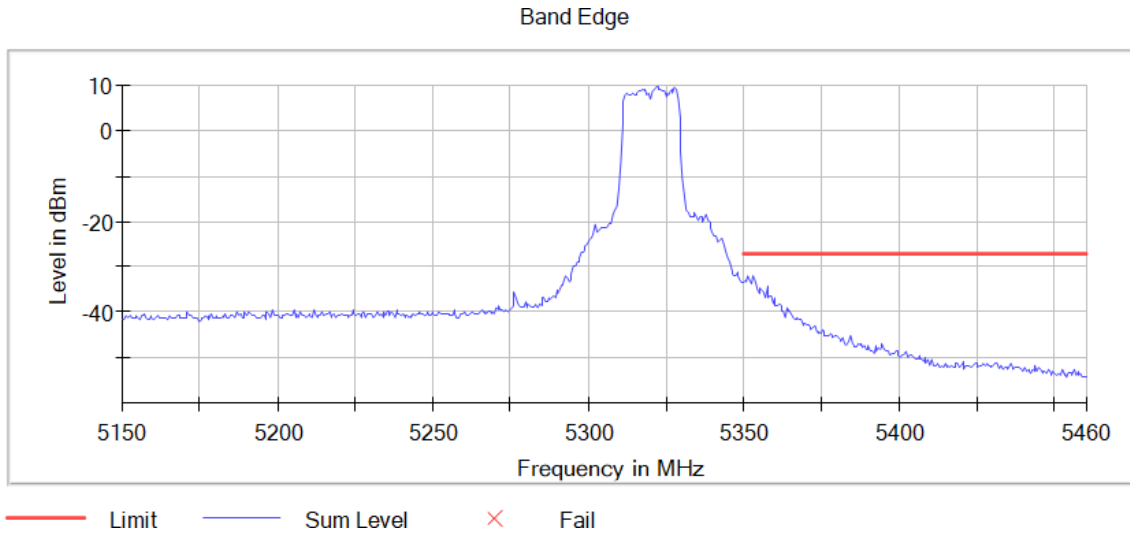
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5144.750000	-51.3	24.3	-27.0	PASS
5106.750000	-52.4	25.4	-27.0	PASS
5147.750000	-52.4	25.4	-27.0	PASS
5147.250000	-52.5	25.5	-27.0	PASS
5123.250000	-52.6	25.6	-27.0	PASS
5143.750000	-52.6	25.6	-27.0	PASS
5148.250000	-52.8	25.8	-27.0	PASS
5142.750000	-52.8	25.8	-27.0	PASS
5140.750000	-52.9	25.9	-27.0	PASS
5107.750000	-52.9	25.9	-27.0	PASS
5103.750000	-52.9	25.9	-27.0	PASS
5116.250000	-53.0	26.0	-27.0	PASS
5109.250000	-53.0	26.0	-27.0	PASS
5119.750000	-53.0	26.0	-27.0	PASS
5096.250000	-53.1	26.1	-27.0	PASS

Frequency MHz = 5320.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
Mode = SISO Measurement Point = 1

Images:



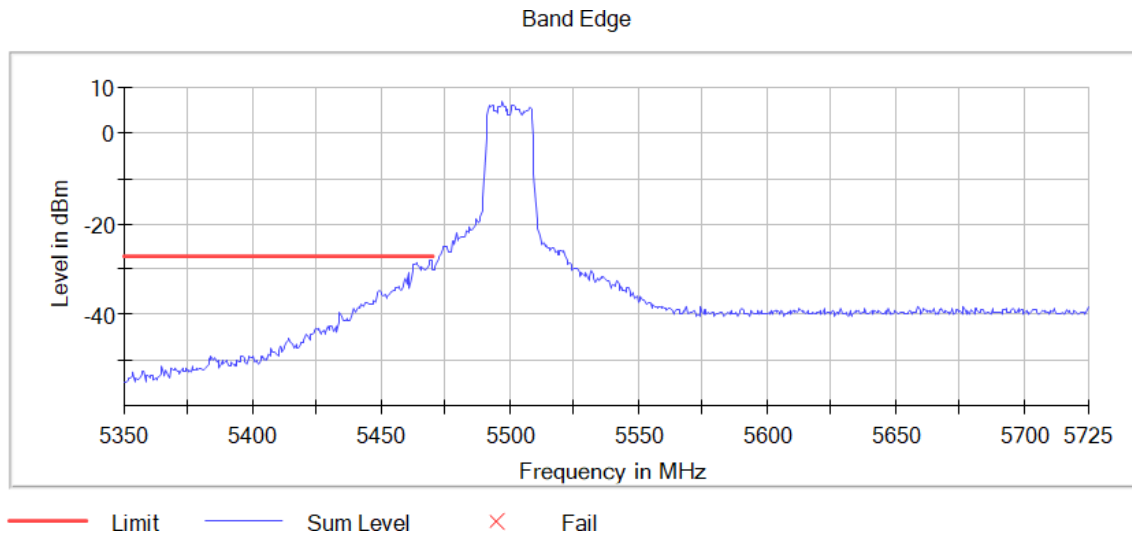
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5353.250000	-31.9	4.9	-27.0	PASS
5352.750000	-32.0	5.0	-27.0	PASS
5351.250000	-32.2	5.2	-27.0	PASS
5351.750000	-32.8	5.8	-27.0	PASS
5350.250000	-33.0	6.0	-27.0	PASS
5350.750000	-33.3	6.3	-27.0	PASS
5353.750000	-33.5	6.5	-27.0	PASS
5352.250000	-33.8	6.8	-27.0	PASS
5357.250000	-34.4	7.4	-27.0	PASS
5355.250000	-34.6	7.6	-27.0	PASS
5355.750000	-35.1	8.1	-27.0	PASS
5354.250000	-35.2	8.2	-27.0	PASS
5356.250000	-35.7	8.7	-27.0	PASS
5354.750000	-35.9	8.9	-27.0	PASS
5358.250000	-36.3	9.3	-27.0	PASS

Frequency MHz = 5500.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
Mode = SISO Measurement Point = 1

Images:



Tables:

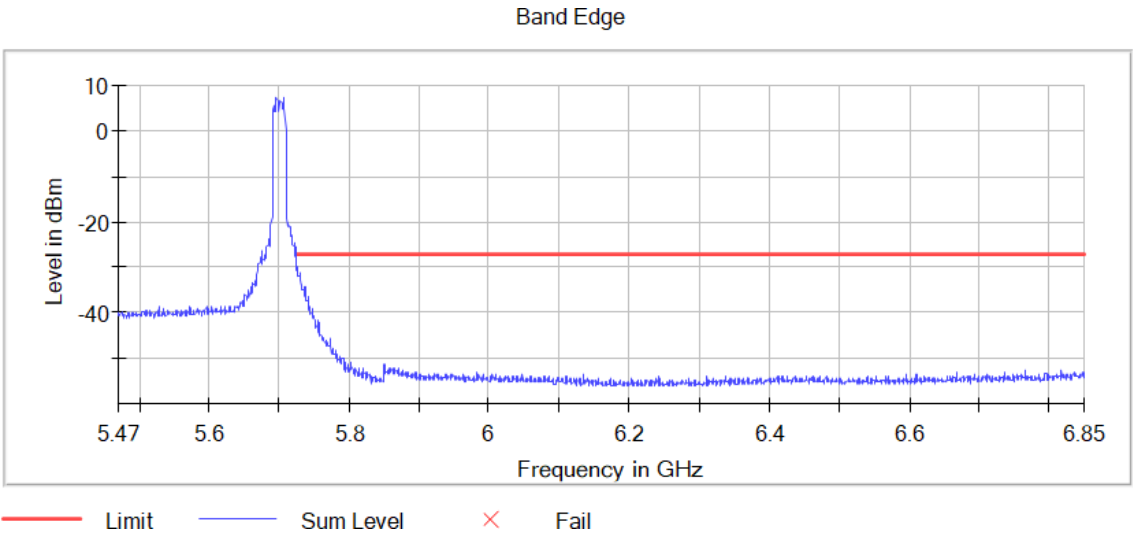
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5144.750000	-51.3	24.3	-27.0	PASS
5106.750000	-52.4	25.4	-27.0	PASS
5147.750000	-52.4	25.4	-27.0	PASS
5147.250000	-52.5	25.5	-27.0	PASS
5123.250000	-52.6	25.6	-27.0	PASS
5143.750000	-52.6	25.6	-27.0	PASS
5148.250000	-52.8	25.8	-27.0	PASS
5142.750000	-52.8	25.8	-27.0	PASS
5140.750000	-52.9	25.9	-27.0	PASS
5107.750000	-52.9	25.9	-27.0	PASS
5103.750000	-52.9	25.9	-27.0	PASS
5116.250000	-53.0	26.0	-27.0	PASS
5109.250000	-53.0	26.0	-27.0	PASS
5119.750000	-53.0	26.0	-27.0	PASS
5096.250000	-53.1	26.1	-27.0	PASS

Frequency MHz = 5700.00000Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)

Mode = SISOMeasurement Point = 1

Images:



Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5353.250000	-31.9	4.9	-27.0	PASS
5352.750000	-32.0	5.0	-27.0	PASS
5351.250000	-32.2	5.2	-27.0	PASS
5351.750000	-32.8	5.8	-27.0	PASS
5350.250000	-33.0	6.0	-27.0	PASS
5350.750000	-33.3	6.3	-27.0	PASS
5353.750000	-33.5	6.5	-27.0	PASS
5352.250000	-33.8	6.8	-27.0	PASS
5357.250000	-34.4	7.4	-27.0	PASS
5355.250000	-34.6	7.6	-27.0	PASS
5355.750000	-35.1	8.1	-27.0	PASS
5354.250000	-35.2	8.2	-27.0	PASS
5356.250000	-35.7	8.7	-27.0	PASS
5354.750000	-35.9	8.9	-27.0	PASS
5358.250000	-36.3	9.3	-27.0	PASS

Mode: SISO

Modulation: 802.11ac VHT40 SS1 (OFDM MCS9)

Results

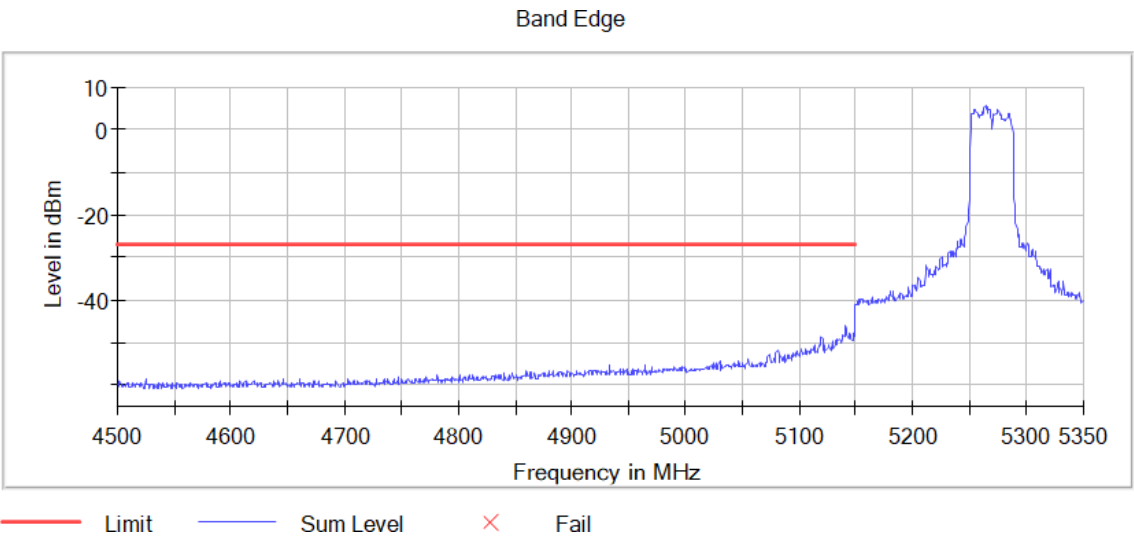
Verdict

Pass

Attachments

Frequency MHz = 5270.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
Mode = SISO Measurement Point = 1

Images:



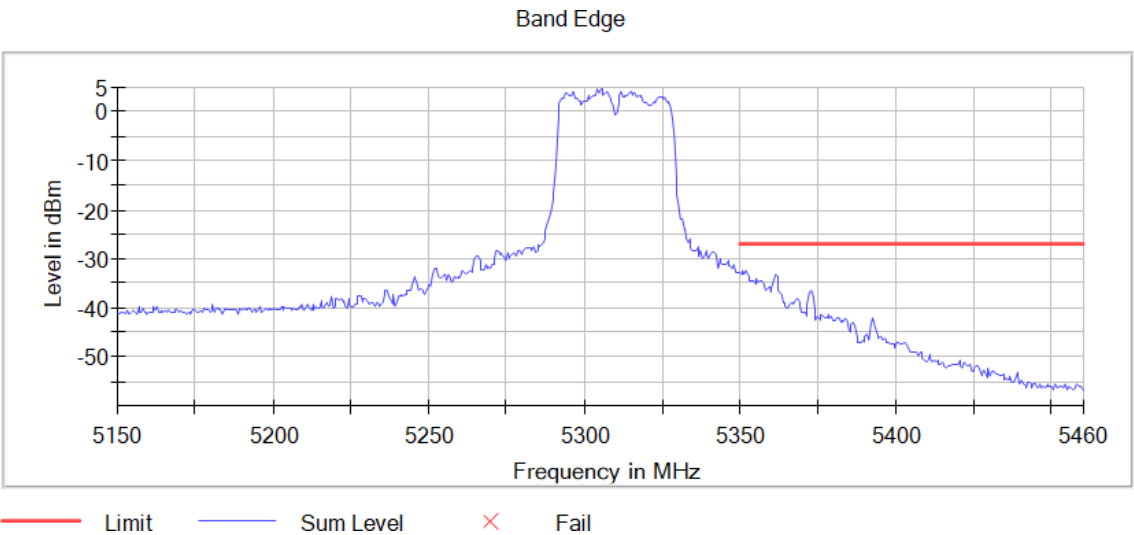
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5140.750000	-45.7	18.7	-27.0	PASS
5141.250000	-46.0	19.0	-27.0	PASS
5141.750000	-46.6	19.6	-27.0	PASS
5140.250000	-46.7	19.7	-27.0	PASS
5142.250000	-47.2	20.2	-27.0	PASS
5144.750000	-47.7	20.7	-27.0	PASS
5147.750000	-47.7	20.7	-27.0	PASS
5148.750000	-47.9	20.9	-27.0	PASS
5145.250000	-48.1	21.1	-27.0	PASS
5144.250000	-48.2	21.2	-27.0	PASS
5139.250000	-48.2	21.2	-27.0	PASS
5149.750000	-48.2	21.2	-27.0	PASS
5142.750000	-48.3	21.3	-27.0	PASS
5147.250000	-48.5	21.5	-27.0	PASS
5139.750000	-48.6	21.6	-27.0	PASS

Frequency MHz = 5310.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
Mode = SISO Measurement Point = 1

Images:

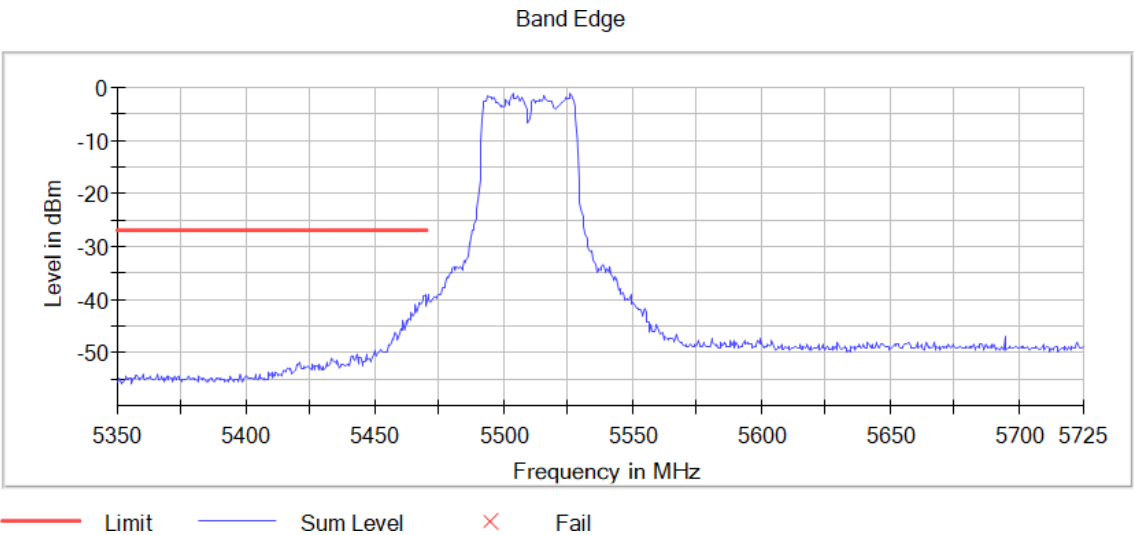


Tables:
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5351.750000	-32.3	5.3	-27.0	PASS
5350.750000	-32.4	5.4	-27.0	PASS
5351.250000	-33.1	6.1	-27.0	PASS
5352.250000	-33.1	6.1	-27.0	PASS
5350.250000	-33.3	6.3	-27.0	PASS
5361.250000	-33.3	6.3	-27.0	PASS
5352.750000	-33.4	6.4	-27.0	PASS
5361.750000	-33.6	6.6	-27.0	PASS
5355.250000	-34.1	7.1	-27.0	PASS
5356.750000	-34.2	7.2	-27.0	PASS
5353.750000	-34.3	7.3	-27.0	PASS
5356.250000	-34.3	7.3	-27.0	PASS
5354.250000	-34.4	7.4	-27.0	PASS
5360.750000	-34.5	7.5	-27.0	PASS
5353.250000	-34.6	7.6	-27.0	PASS

Frequency MHz = 5510.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
Mode = SISO Measurement Point = 1

Images:

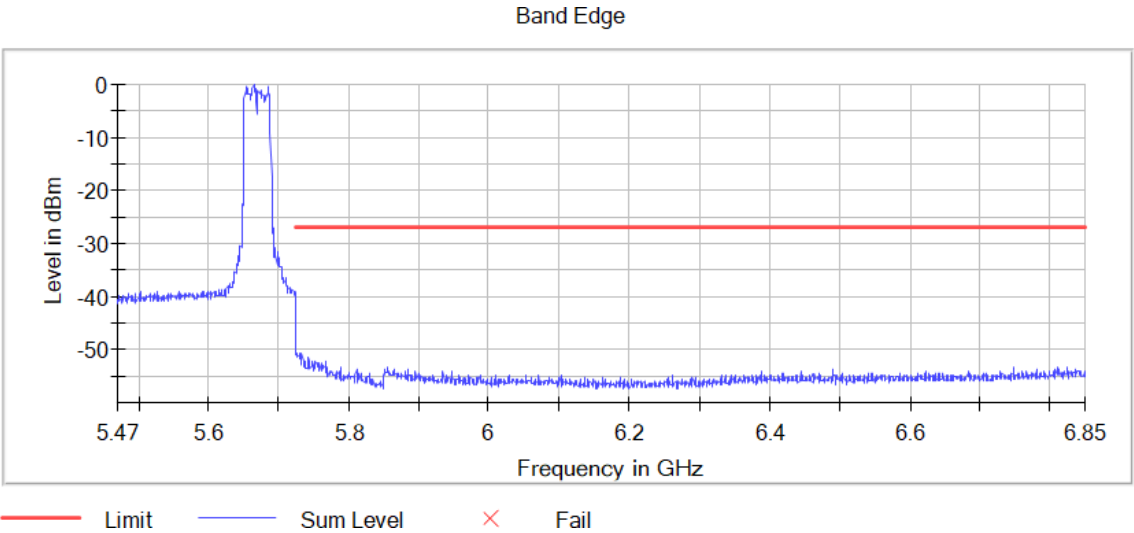


Tables:
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5140.750000	-45.7	18.7	-27.0	PASS
5141.250000	-46.0	19.0	-27.0	PASS
5141.750000	-46.6	19.6	-27.0	PASS
5140.250000	-46.7	19.7	-27.0	PASS
5142.250000	-47.2	20.2	-27.0	PASS
5144.750000	-47.7	20.7	-27.0	PASS
5147.750000	-47.7	20.7	-27.0	PASS
5148.750000	-47.9	20.9	-27.0	PASS
5145.250000	-48.1	21.1	-27.0	PASS
5144.250000	-48.2	21.2	-27.0	PASS
5139.250000	-48.2	21.2	-27.0	PASS
5149.750000	-48.2	21.2	-27.0	PASS
5142.750000	-48.3	21.3	-27.0	PASS
5147.250000	-48.5	21.5	-27.0	PASS
5139.750000	-48.6	21.6	-27.0	PASS

Frequency MHz = 5670.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
Mode = SISO Measurement Point = 1

Images:



Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5351.750000	-32.3	5.3	-27.0	PASS
5350.750000	-32.4	5.4	-27.0	PASS
5351.250000	-33.1	6.1	-27.0	PASS
5352.250000	-33.1	6.1	-27.0	PASS
5350.250000	-33.3	6.3	-27.0	PASS
5361.250000	-33.3	6.3	-27.0	PASS
5352.750000	-33.4	6.4	-27.0	PASS
5361.750000	-33.6	6.6	-27.0	PASS
5355.250000	-34.1	7.1	-27.0	PASS
5356.750000	-34.2	7.2	-27.0	PASS
5353.750000	-34.3	7.3	-27.0	PASS
5356.250000	-34.3	7.3	-27.0	PASS
5354.250000	-34.4	7.4	-27.0	PASS
5360.750000	-34.5	7.5	-27.0	PASS
5353.250000	-34.6	7.6	-27.0	PASS

Mode: SISO

Modulation: 802.11ac VHT80 SS1 (OFDM MCS9)

Results

Verdict

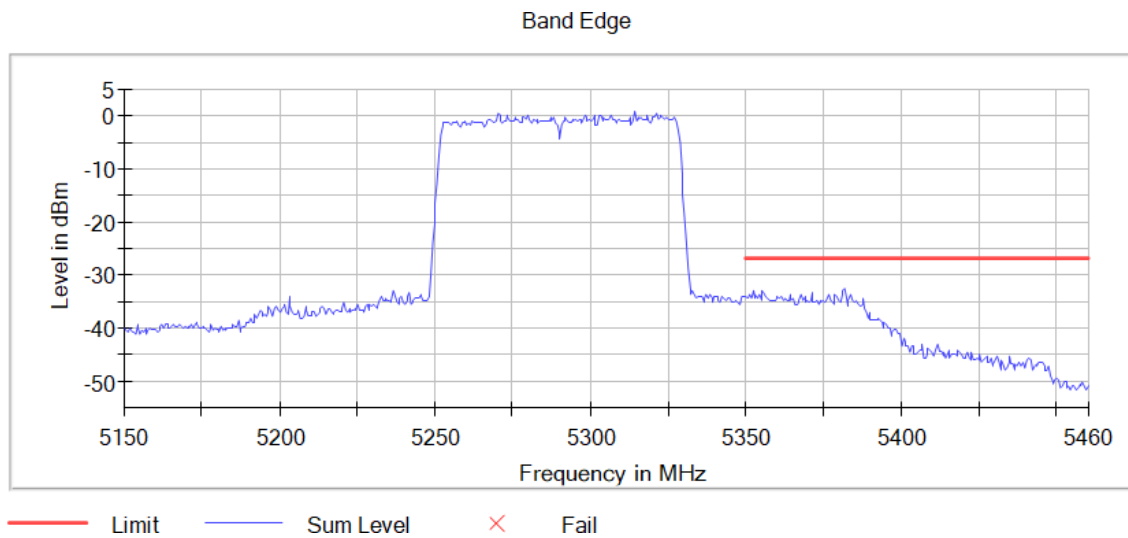
Pass

Attachments

Frequency MHz = 5290.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS9)

Mode = SISO Measurement Point = 1

Images:



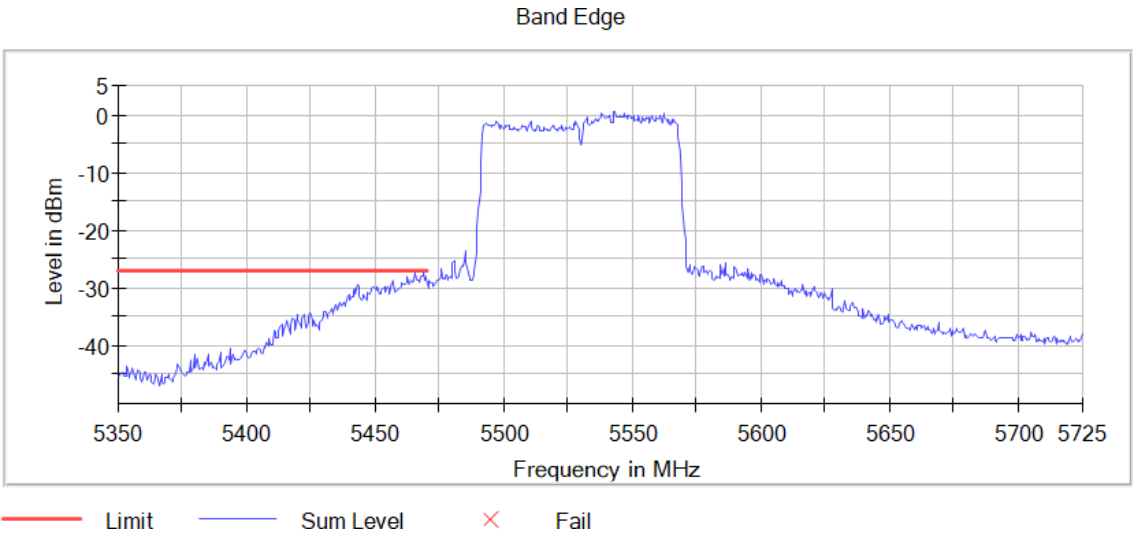
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5381.750000	-32.7	5.7	-27.0	PASS
5355.250000	-32.8	5.8	-27.0	PASS
5381.250000	-33.0	6.0	-27.0	PASS
5352.250000	-33.0	6.0	-27.0	PASS
5371.250000	-33.2	6.2	-27.0	PASS
5355.750000	-33.3	6.3	-27.0	PASS
5364.250000	-33.5	6.5	-27.0	PASS
5383.750000	-33.5	6.5	-27.0	PASS
5376.750000	-33.6	6.6	-27.0	PASS
5351.250000	-33.6	6.6	-27.0	PASS
5380.750000	-33.6	6.6	-27.0	PASS
5353.250000	-33.7	6.7	-27.0	PASS
5378.750000	-33.7	6.7	-27.0	PASS
5367.750000	-33.7	6.7	-27.0	PASS
5354.250000	-33.7	6.7	-27.0	PASS

Frequency MHz = 5530.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS9)
Mode = SISO Measurement Point = 1

Images:



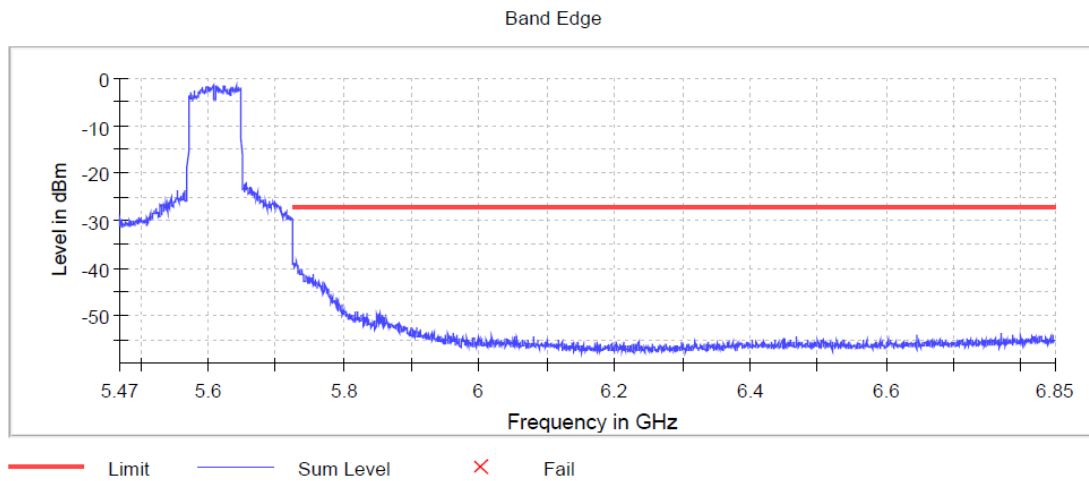
Tables:
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5465.250000	-27.4	0.4	-27.0	PASS
5468.750000	-27.4	0.4	-27.0	PASS
5465.750000	-27.8	0.8	-27.0	PASS
5468.250000	-28.0	1.0	-27.0	PASS
5462.750000	-28.0	1.0	-27.0	PASS
5469.750000	-28.0	1.0	-27.0	PASS
5467.750000	-28.2	1.2	-27.0	PASS
5464.250000	-28.6	1.6	-27.0	PASS
5466.250000	-28.6	1.6	-27.0	PASS
5469.250000	-28.6	1.6	-27.0	PASS
5466.750000	-28.7	1.7	-27.0	PASS
5463.750000	-28.7	1.7	-27.0	PASS
5456.750000	-28.8	1.8	-27.0	PASS
5462.250000	-29.0	2.0	-27.0	PASS
5467.250000	-29.1	2.1	-27.0	PASS

Frequency MHz = 5610.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS9)

Mode = SISO Measurement Point = 1

Images:



Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5729.750000	-38.3	11.3	-27.0	PASS
5731.250000	-38.5	11.5	-27.0	PASS
5730.250000	-38.7	11.7	-27.0	PASS
5726.750000	-38.9	11.9	-27.0	PASS
5727.250000	-39.0	12.0	-27.0	PASS
5725.750000	-39.1	12.1	-27.0	PASS
5730.750000	-39.1	12.1	-27.0	PASS
5729.250000	-39.1	12.1	-27.0	PASS
5726.250000	-39.2	12.2	-27.0	PASS
5725.250000	-39.3	12.3	-27.0	PASS
5728.250000	-39.4	12.4	-27.0	PASS
5733.250000	-39.5	12.5	-27.0	PASS
5728.750000	-39.6	12.6	-27.0	PASS
5727.750000	-39.7	12.7	-27.0	PASS
5731.750000	-40.0	13.0	-27.0	PASS

Mode: SISO

Modulation: 802.11ax HE20 SS1 (OFDMA MCS8) – Full RU

Results

Verdict

Pass

Frequency MHz = 5180.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
Mode = SISO Measurement Point = 1

Band Edge

Level in dBm

Frequency in MHz

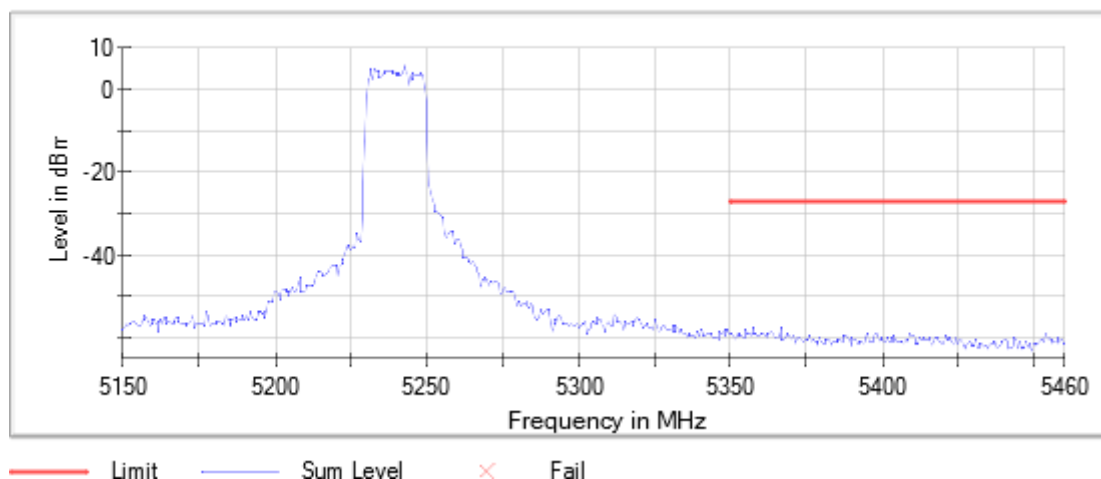
Limit Sum Level Fail

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5119.250000	-46.3	19.3	-27.0	PASS
5119.750000	-46.4	19.4	-27.0	PASS
5122.250000	-46.8	19.8	-27.0	PASS
5117.750000	-47.0	20.0	-27.0	PASS
5124.250000	-47.1	20.1	-27.0	PASS
5122.750000	-47.1	20.1	-27.0	PASS
5121.750000	-47.2	20.2	-27.0	PASS
5117.250000	-47.4	20.4	-27.0	PASS
5124.750000	-47.4	20.4	-27.0	PASS
5118.750000	-47.4	20.4	-27.0	PASS
5120.250000	-47.5	20.5	-27.0	PASS
5123.250000	-47.8	20.8	-27.0	PASS
5123.750000	-47.8	20.8	-27.0	PASS
5118.250000	-47.9	20.9	-27.0	PASS
5121.250000	-48.1	21.1	-27.0	PASS

Mode = SISO Measurement Point = 1

Band Edge

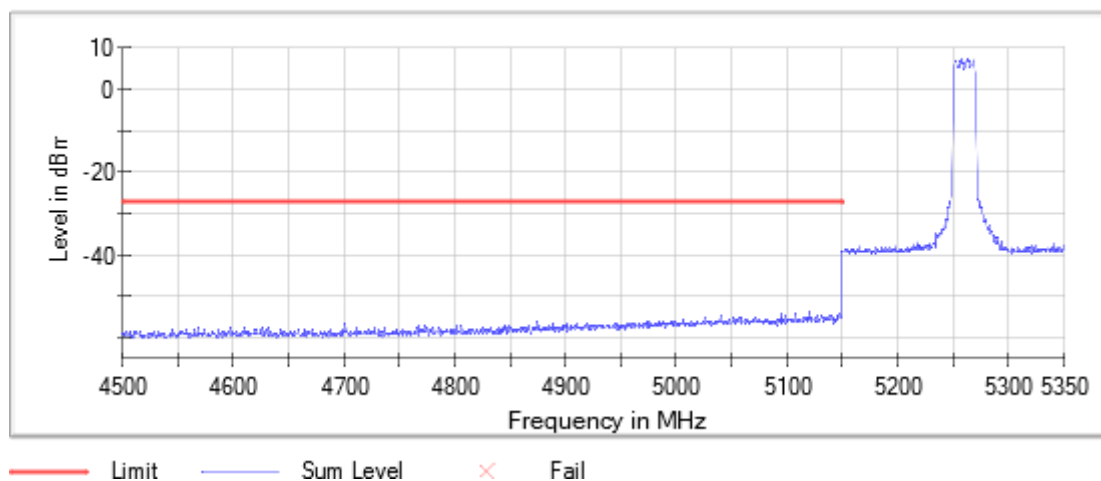


Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5357.250000	-57.4	30.4	-27.0	PASS
5366.250000	-57.6	30.6	-27.0	PASS
5355.250000	-58.1	31.1	-27.0	PASS
5366.750000	-58.3	31.3	-27.0	PASS
5363.250000	-58.6	31.6	-27.0	PASS
5395.250000	-58.7	31.7	-27.0	PASS
5397.750000	-58.7	31.7	-27.0	PASS
5360.250000	-58.7	31.7	-27.0	PASS
5359.750000	-58.7	31.7	-27.0	PASS
5350.250000	-58.7	31.7	-27.0	PASS
5398.250000	-58.8	31.8	-27.0	PASS
5362.750000	-58.8	31.8	-27.0	PASS
5363.750000	-58.8	31.8	-27.0	PASS
5358.250000	-58.8	31.8	-27.0	PASS
5357.750000	-58.9	31.9	-27.0	PASS

Mode = SISO Measurement Point = 1

Band Edge



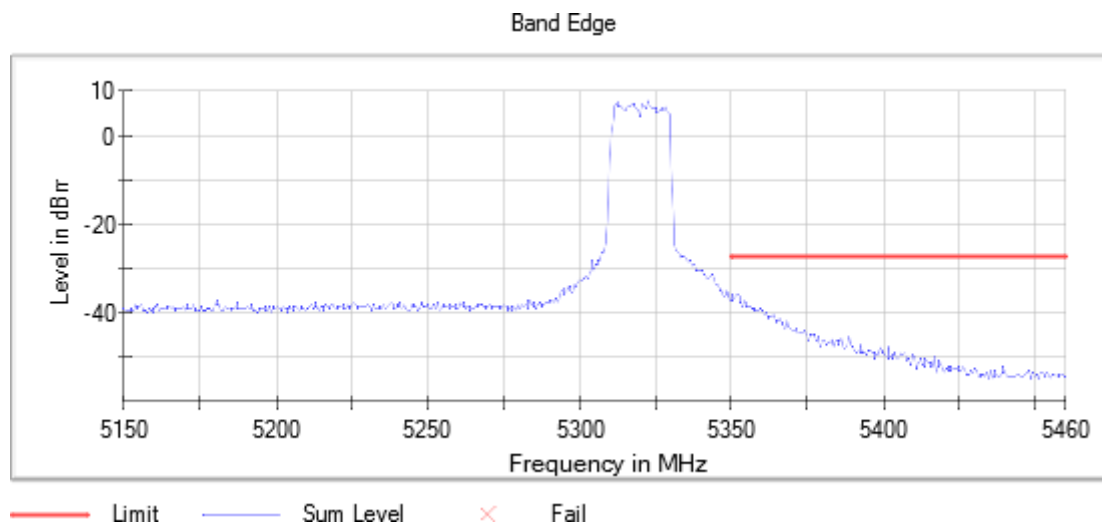
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5119.750000	-53.4	26.4	-27.0	PASS
5095.250000	-53.8	26.8	-27.0	PASS
5143.750000	-54.0	27.0	-27.0	PASS
5108.250000	-54.1	27.1	-27.0	PASS
5137.250000	-54.3	27.3	-27.0	PASS
5144.250000	-54.3	27.3	-27.0	PASS
5148.250000	-54.4	27.4	-27.0	PASS
5120.250000	-54.4	27.4	-27.0	PASS
5147.750000	-54.6	27.6	-27.0	PASS
5038.750000	-54.7	27.7	-27.0	PASS
5130.750000	-54.7	27.7	-27.0	PASS
5125.750000	-54.7	27.7	-27.0	PASS
5139.250000	-54.7	27.7	-27.0	PASS
5136.250000	-54.7	27.7	-27.0	PASS
5148.750000	-54.8	27.8	-27.0	PASS

Frequency MHz = 5320.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

Mode = SISO Measurement Point = 1

Images:



Tables:

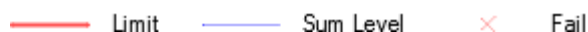
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5351.750000	-36.0	9.0	-27.0	PASS
5350.250000	-36.0	9.0	-27.0	PASS
5352.250000	-36.1	9.1	-27.0	PASS
5351.250000	-36.5	9.5	-27.0	PASS
5352.750000	-36.5	9.5	-27.0	PASS
5354.250000	-37.2	10.2	-27.0	PASS
5350.750000	-37.2	10.2	-27.0	PASS
5354.750000	-37.5	10.5	-27.0	PASS
5353.250000	-37.7	10.7	-27.0	PASS
5355.250000	-38.4	11.4	-27.0	PASS
5355.750000	-38.5	11.5	-27.0	PASS
5356.250000	-38.5	11.5	-27.0	PASS
5353.750000	-38.7	11.7	-27.0	PASS
5356.750000	-38.8	11.8	-27.0	PASS
5359.250000	-39.1	12.1	-27.0	PASS

Mode = SISO Measurement Point = 1

Mode = SISO Measurement Point = 1

Images:



Tables:

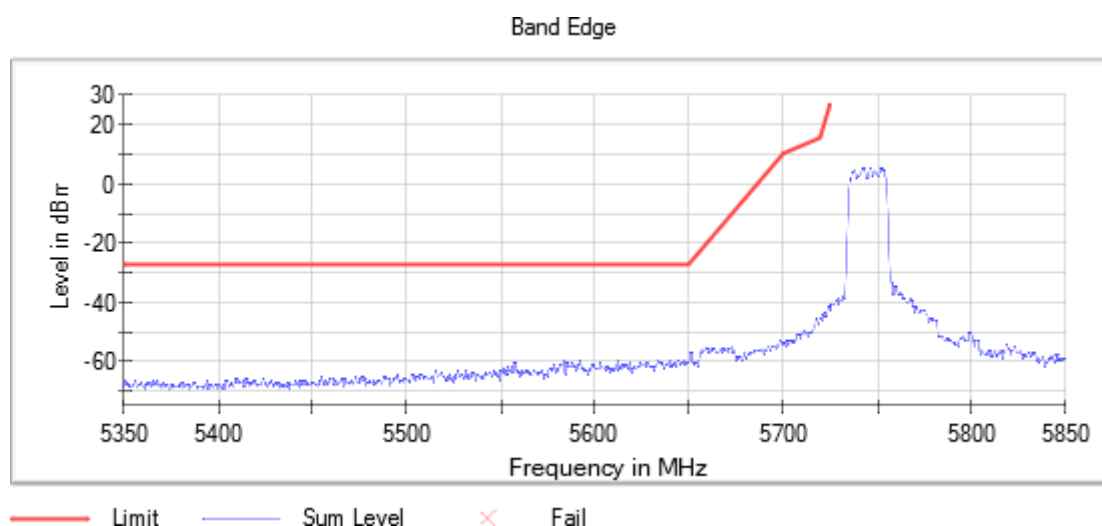
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5351.750000	-36.0	9.0	-27.0	PASS
5350.250000	-36.0	9.0	-27.0	PASS
5352.250000	-36.1	9.1	-27.0	PASS
5351.250000	-36.5	9.5	-27.0	PASS
5352.750000	-36.5	9.5	-27.0	PASS
5354.250000	-37.2	10.2	-27.0	PASS
5350.750000	-37.2	10.2	-27.0	PASS
5354.750000	-37.5	10.5	-27.0	PASS
5353.250000	-37.7	10.7	-27.0	PASS
5355.250000	-38.4	11.4	-27.0	PASS
5355.750000	-38.5	11.5	-27.0	PASS
5356.250000	-38.5	11.5	-27.0	PASS
5353.750000	-38.7	11.7	-27.0	PASS
5356.750000	-38.8	11.8	-27.0	PASS
5359.250000	-39.1	12.1	-27.0	PASS

Mode = SISO

Measurement Point = 1

Images:



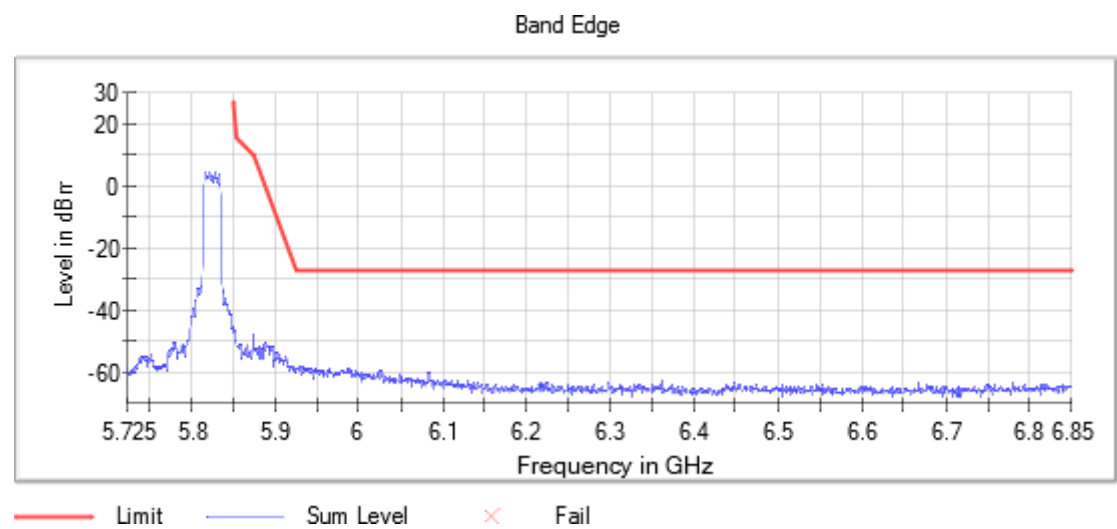
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5119.250000	-46.3	19.3	-27.0	PASS
5119.750000	-46.4	19.4	-27.0	PASS
5122.250000	-46.8	19.8	-27.0	PASS
5117.750000	-47.0	20.0	-27.0	PASS
5124.250000	-47.1	20.1	-27.0	PASS
5122.750000	-47.1	20.1	-27.0	PASS
5121.750000	-47.2	20.2	-27.0	PASS
5117.250000	-47.4	20.4	-27.0	PASS
5124.750000	-47.4	20.4	-27.0	PASS
5118.750000	-47.4	20.4	-27.0	PASS
5120.250000	-47.5	20.5	-27.0	PASS
5123.250000	-47.8	20.8	-27.0	PASS
5123.750000	-47.8	20.8	-27.0	PASS
5118.250000	-47.9	20.9	-27.0	PASS
5121.250000	-48.1	21.1	-27.0	PASS

Frequency MHz = 5825.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
Mode = SISO Measurement Point = 1

Images:



Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5357.250000	-57.4	30.4	-27.0	PASS
5366.250000	-57.6	30.6	-27.0	PASS
5355.250000	-58.1	31.1	-27.0	PASS
5366.750000	-58.3	31.3	-27.0	PASS
5363.250000	-58.6	31.6	-27.0	PASS
5395.250000	-58.7	31.7	-27.0	PASS
5397.750000	-58.7	31.7	-27.0	PASS
5360.250000	-58.7	31.7	-27.0	PASS
5359.750000	-58.7	31.7	-27.0	PASS
5350.250000	-58.7	31.7	-27.0	PASS
5398.250000	-58.8	31.8	-27.0	PASS
5362.750000	-58.8	31.8	-27.0	PASS
5363.750000	-58.8	31.8	-27.0	PASS
5358.250000	-58.8	31.8	-27.0	PASS
5357.750000	-58.9	31.9	-27.0	PASS

Mode: SISO

Modulation: 802.11ax HE40 SS1 (OFDMA MCS9) – Full RU

Results

Verdict

Pass

Frequency MHz = 5190.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Measurement Point = 1

Band Edge

Level in dBm

Frequency in MHz

Limit

Sum Level

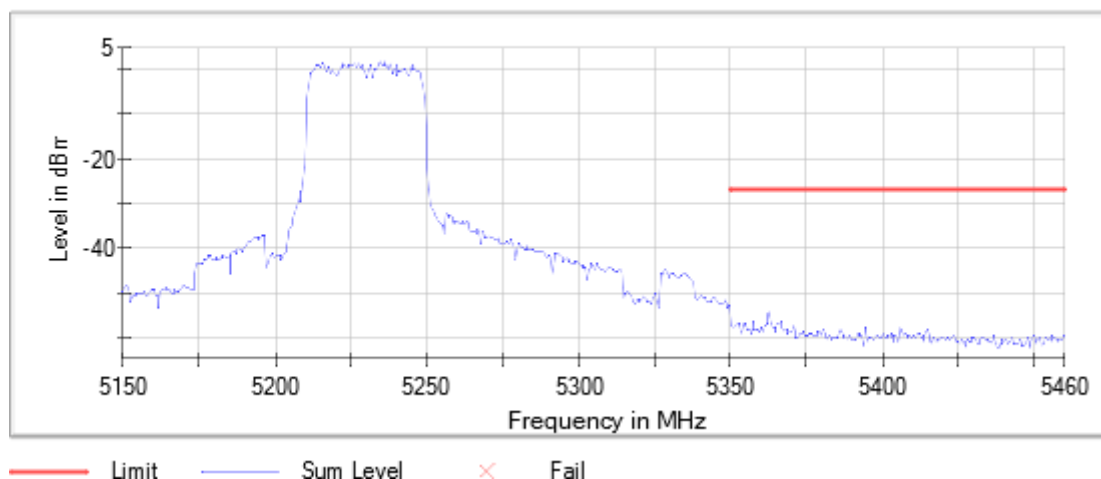
Fail

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5137.250000	-42.8	15.8	-27.0	PASS
5136.250000	-42.9	15.9	-27.0	PASS
5136.750000	-43.0	16.0	-27.0	PASS
5134.250000	-43.2	16.2	-27.0	PASS
5135.750000	-43.3	16.3	-27.0	PASS
5132.750000	-43.4	16.4	-27.0	PASS
5134.750000	-43.4	16.4	-27.0	PASS
5133.250000	-43.6	16.6	-27.0	PASS
5132.250000	-43.8	16.8	-27.0	PASS
5124.750000	-43.9	16.9	-27.0	PASS
5135.250000	-43.9	16.9	-27.0	PASS
5133.750000	-44.0	17.0	-27.0	PASS
5129.750000	-44.0	17.0	-27.0	PASS
5129.250000	-44.0	17.0	-27.0	PASS
5124.250000	-44.1	17.1	-27.0	PASS

Mode = SISO Measurement Point = 1

Band Edge

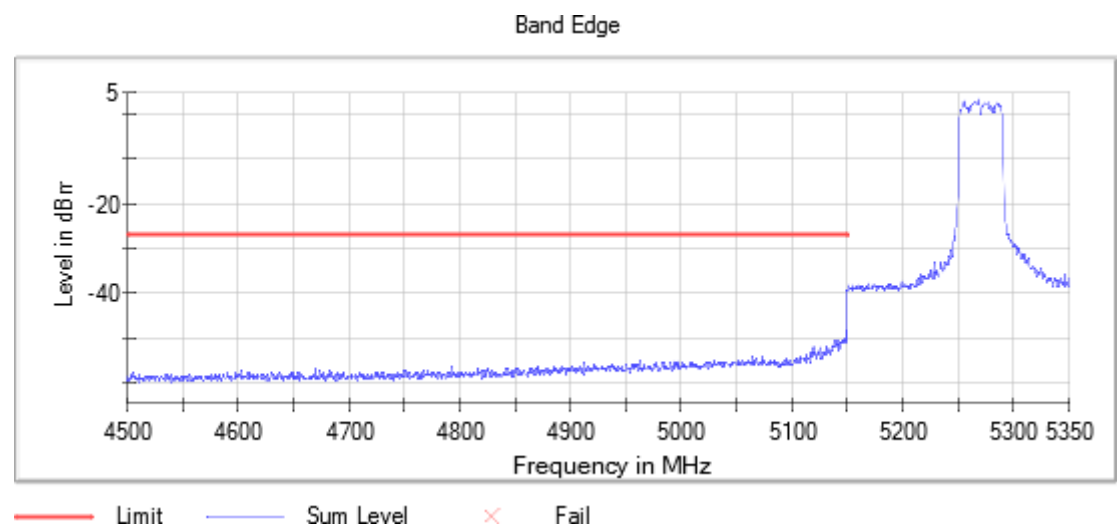


Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5362.750000	-54.6	27.6	-27.0	PASS
5362.250000	-54.8	27.8	-27.0	PASS
5366.250000	-56.5	29.5	-27.0	PASS
5357.250000	-56.6	29.6	-27.0	PASS
5363.250000	-56.6	29.6	-27.0	PASS
5366.750000	-56.9	29.9	-27.0	PASS
5361.750000	-57.0	30.0	-27.0	PASS
5354.250000	-57.1	30.1	-27.0	PASS
5352.750000	-57.1	30.1	-27.0	PASS
5365.250000	-57.1	30.1	-27.0	PASS
5352.250000	-57.2	30.2	-27.0	PASS
5354.750000	-57.2	30.2	-27.0	PASS
5365.750000	-57.3	30.3	-27.0	PASS
5350.250000	-57.3	30.3	-27.0	PASS
5361.250000	-57.3	30.3	-27.0	PASS

Frequency MHz = 5270.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Measurement Point = 1

Images:



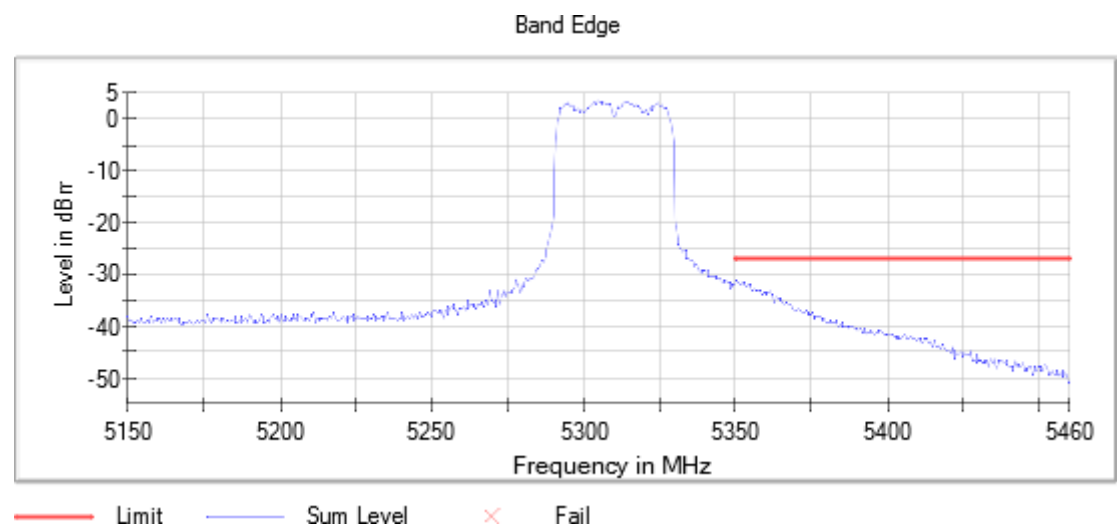
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.250000	-48.2	21.2	-27.0	PASS
5148.250000	-50.0	23.0	-27.0	PASS
5138.750000	-50.5	23.5	-27.0	PASS
5136.750000	-50.6	23.6	-27.0	PASS
5141.250000	-50.8	23.8	-27.0	PASS
5145.750000	-50.8	23.8	-27.0	PASS
5136.250000	-50.8	23.8	-27.0	PASS
5146.750000	-50.8	23.8	-27.0	PASS
5145.250000	-50.9	23.9	-27.0	PASS
5143.750000	-50.9	23.9	-27.0	PASS
5147.250000	-51.0	24.0	-27.0	PASS
5146.250000	-51.0	24.0	-27.0	PASS
5149.750000	-51.1	24.1	-27.0	PASS
5144.750000	-51.1	24.1	-27.0	PASS
5142.750000	-51.4	24.4	-27.0	PASS

Frequency MHz = 5310.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Measurement Point = 1

Images:



Tables:
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.250000	-31.3	4.3	-27.0	PASS
5350.750000	-31.4	4.4	-27.0	PASS
5352.750000	-31.7	4.7	-27.0	PASS
5351.250000	-31.7	4.7	-27.0	PASS
5352.250000	-31.8	4.8	-27.0	PASS
5351.750000	-31.9	4.9	-27.0	PASS
5354.250000	-32.2	5.2	-27.0	PASS
5353.250000	-32.2	5.2	-27.0	PASS
5354.750000	-32.2	5.2	-27.0	PASS
5355.250000	-32.4	5.4	-27.0	PASS
5353.750000	-32.5	5.5	-27.0	PASS
5356.250000	-32.8	5.8	-27.0	PASS
5358.250000	-33.1	6.1	-27.0	PASS
5357.750000	-33.1	6.1	-27.0	PASS
5357.250000	-33.1	6.1	-27.0	PASS

Mode = SISO Measurement Point = 1

Images:

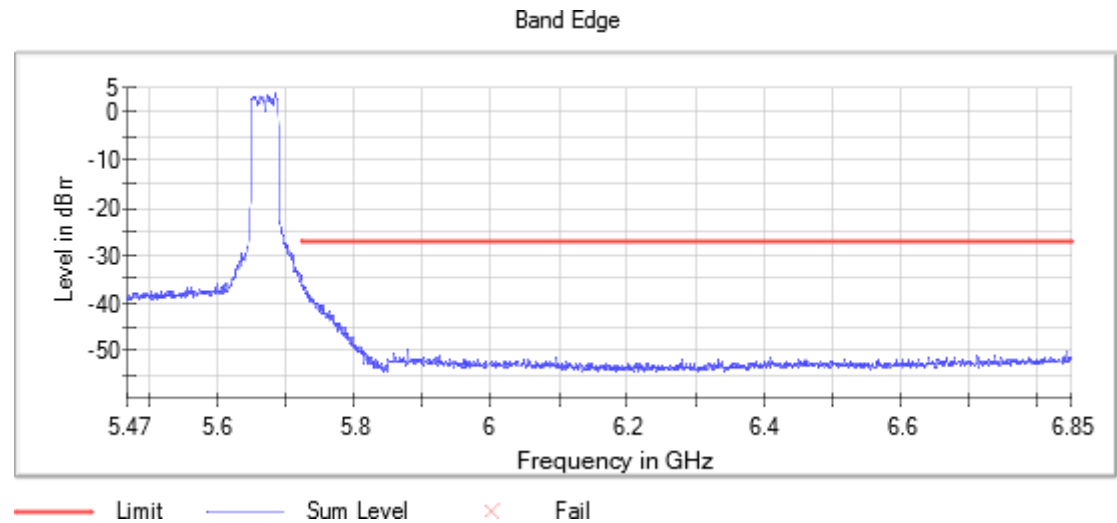


Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5149.250000	-48.2	21.2	-27.0	PASS
5148.250000	-50.0	23.0	-27.0	PASS
5138.750000	-50.5	23.5	-27.0	PASS
5136.750000	-50.6	23.6	-27.0	PASS
5141.250000	-50.8	23.8	-27.0	PASS
5145.750000	-50.8	23.8	-27.0	PASS
5136.250000	-50.8	23.8	-27.0	PASS
5146.750000	-50.8	23.8	-27.0	PASS
5145.250000	-50.9	23.9	-27.0	PASS
5143.750000	-50.9	23.9	-27.0	PASS
5147.250000	-51.0	24.0	-27.0	PASS
5146.250000	-51.0	24.0	-27.0	PASS
5149.750000	-51.1	24.1	-27.0	PASS
5144.750000	-51.1	24.1	-27.0	PASS
5142.750000	-51.4	24.4	-27.0	PASS

Frequency MHz = 5670.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Measurement Point = 1

Images:



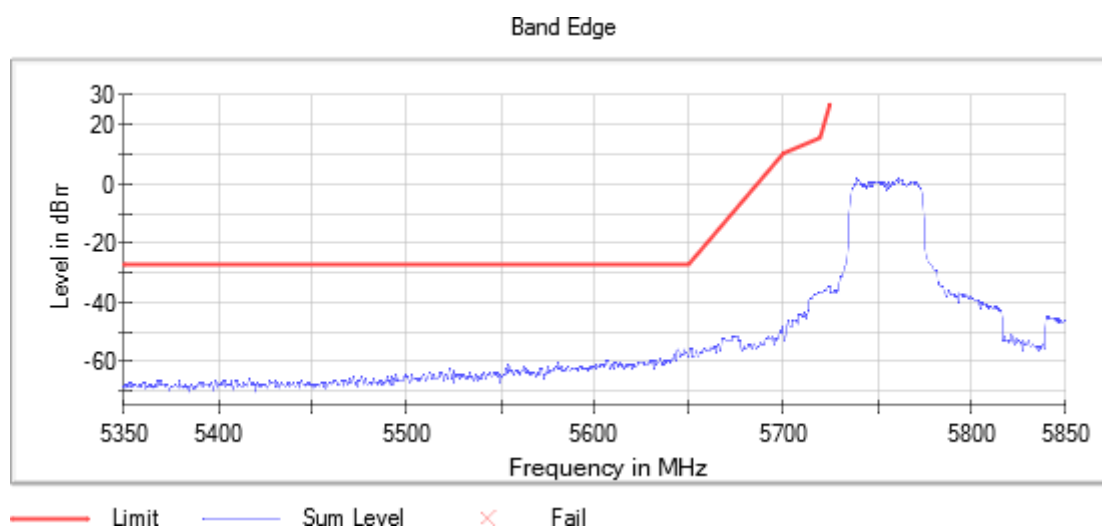
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.250000	-31.3	4.3	-27.0	PASS
5350.750000	-31.4	4.4	-27.0	PASS
5352.750000	-31.7	4.7	-27.0	PASS
5351.250000	-31.7	4.7	-27.0	PASS
5352.250000	-31.8	4.8	-27.0	PASS
5351.750000	-31.9	4.9	-27.0	PASS
5354.250000	-32.2	5.2	-27.0	PASS
5353.250000	-32.2	5.2	-27.0	PASS
5354.750000	-32.2	5.2	-27.0	PASS
5355.250000	-32.4	5.4	-27.0	PASS
5353.750000	-32.5	5.5	-27.0	PASS
5356.250000	-32.8	5.8	-27.0	PASS
5358.250000	-33.1	6.1	-27.0	PASS
5357.750000	-33.1	6.1	-27.0	PASS
5357.250000	-33.1	6.1	-27.0	PASS

Mode = SISO Measurement Point = 1

Images:



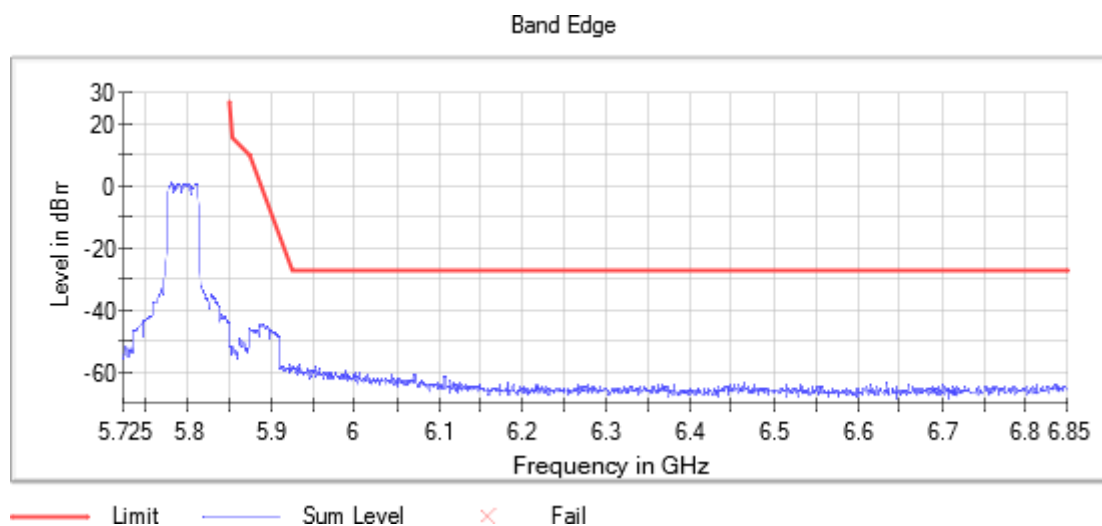
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5137.250000	-42.8	15.8	-27.0	PASS
5136.250000	-42.9	15.9	-27.0	PASS
5136.750000	-43.0	16.0	-27.0	PASS
5134.250000	-43.2	16.2	-27.0	PASS
5135.750000	-43.3	16.3	-27.0	PASS
5132.750000	-43.4	16.4	-27.0	PASS
5134.750000	-43.4	16.4	-27.0	PASS
5133.250000	-43.6	16.6	-27.0	PASS
5132.250000	-43.8	16.8	-27.0	PASS
5124.750000	-43.9	16.9	-27.0	PASS
5135.250000	-43.9	16.9	-27.0	PASS
5133.750000	-44.0	17.0	-27.0	PASS
5129.750000	-44.0	17.0	-27.0	PASS
5129.250000	-44.0	17.0	-27.0	PASS
5124.250000	-44.1	17.1	-27.0	PASS

Mode = SISO Measurement Point = 1

Images:



Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5362.750000	-54.6	27.6	-27.0	PASS
5362.250000	-54.8	27.8	-27.0	PASS
5366.250000	-56.5	29.5	-27.0	PASS
5357.250000	-56.6	29.6	-27.0	PASS
5363.250000	-56.6	29.6	-27.0	PASS
5366.750000	-56.9	29.9	-27.0	PASS
5361.750000	-57.0	30.0	-27.0	PASS
5354.250000	-57.1	30.1	-27.0	PASS
5352.750000	-57.1	30.1	-27.0	PASS
5365.250000	-57.1	30.1	-27.0	PASS
5352.250000	-57.2	30.2	-27.0	PASS
5354.750000	-57.2	30.2	-27.0	PASS
5365.750000	-57.3	30.3	-27.0	PASS
5350.250000	-57.3	30.3	-27.0	PASS
5361.250000	-57.3	30.3	-27.0	PASS

Mode: SISO

Modulation: 802.11ax HE80 SS1 (OFDMA MCS11) – Full RU

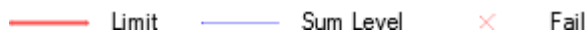
Results

Verdict

Pass

Frequency MHz = 5210.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Mode = SISO Measurement Point = 1

Band Edge



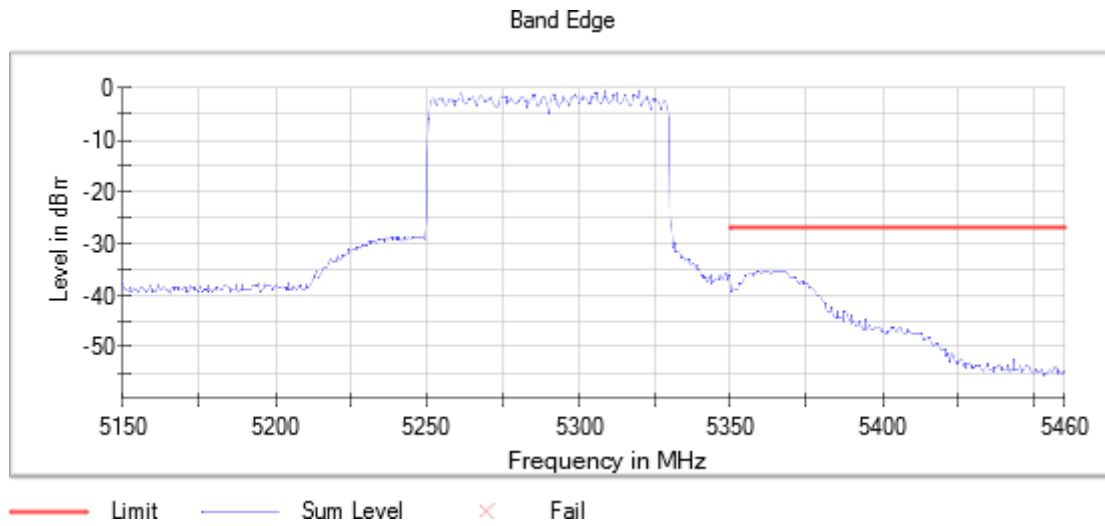
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5148.750000	-36.5	9.5	-27.0	PASS
5148.250000	-36.7	9.7	-27.0	PASS
5147.750000	-37.0	10.0	-27.0	PASS
5149.250000	-37.0	10.0	-27.0	PASS
5147.250000	-37.3	10.3	-27.0	PASS
5149.750000	-37.5	10.5	-27.0	PASS
5146.750000	-37.8	10.8	-27.0	PASS
5146.250000	-38.4	11.4	-27.0	PASS
5145.750000	-38.9	11.9	-27.0	PASS
5145.250000	-39.1	12.1	-27.0	PASS
5142.250000	-39.6	12.6	-27.0	PASS
5142.750000	-39.7	12.7	-27.0	PASS
5143.750000	-39.8	12.8	-27.0	PASS
5144.250000	-39.8	12.8	-27.0	PASS
5144.750000	-39.8	12.8	-27.0	PASS

Frequency MHz = 5290.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

Mode = SISO Measurement Point = 1

Images:



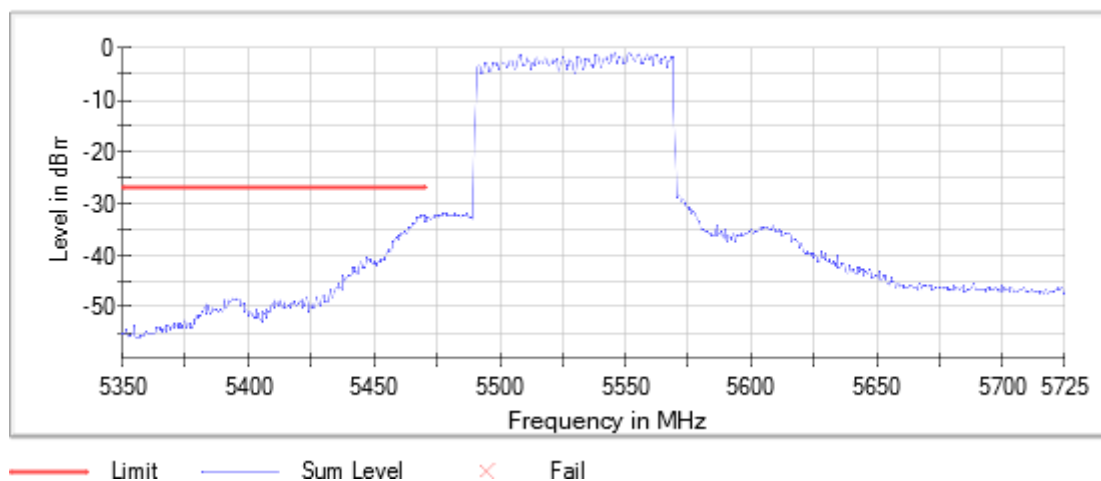
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5365.750000	-35.1	8.1	-27.0	PASS
5367.250000	-35.1	8.1	-27.0	PASS
5366.750000	-35.2	8.2	-27.0	PASS
5366.250000	-35.3	8.3	-27.0	PASS
5365.250000	-35.3	8.3	-27.0	PASS
5364.250000	-35.4	8.4	-27.0	PASS
5364.750000	-35.4	8.4	-27.0	PASS
5361.250000	-35.6	8.6	-27.0	PASS
5362.250000	-35.6	8.6	-27.0	PASS
5367.750000	-35.6	8.6	-27.0	PASS
5361.750000	-35.7	8.7	-27.0	PASS
5359.250000	-35.7	8.7	-27.0	PASS
5360.750000	-35.7	8.7	-27.0	PASS
5362.750000	-35.7	8.7	-27.0	PASS
5356.250000	-35.7	8.7	-27.0	PASS

Mode = SISO Measurement Point = 1

Band Edge



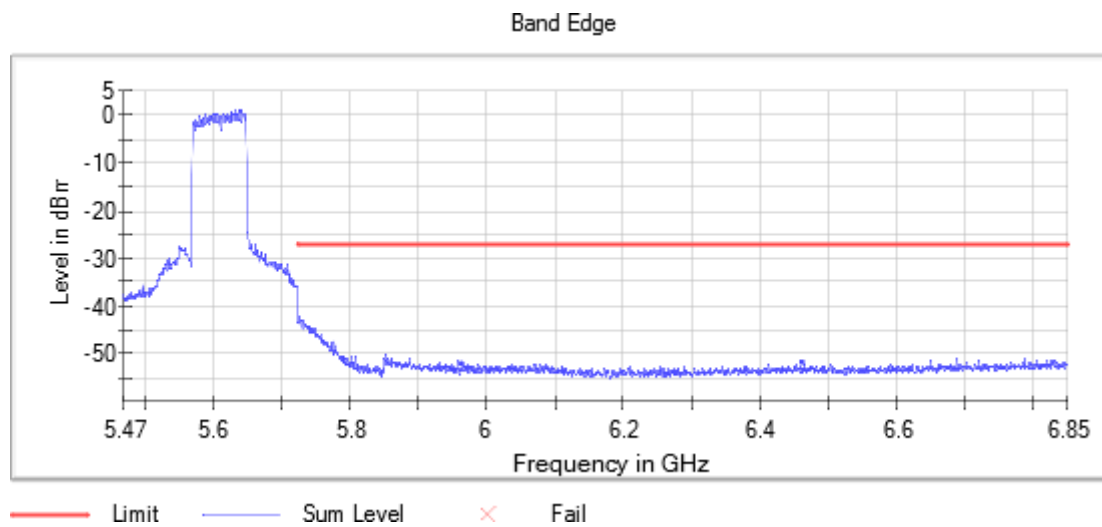
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5469.750000	-32.3	5.3	-27.0	PASS
5468.750000	-32.4	5.4	-27.0	PASS
5469.250000	-32.4	5.4	-27.0	PASS
5468.250000	-32.6	5.6	-27.0	PASS
5467.750000	-32.7	5.7	-27.0	PASS
5467.250000	-32.8	5.8	-27.0	PASS
5466.750000	-33.3	6.3	-27.0	PASS
5466.250000	-33.7	6.7	-27.0	PASS
5465.750000	-33.8	6.8	-27.0	PASS
5465.250000	-34.0	7.0	-27.0	PASS
5464.750000	-34.5	7.5	-27.0	PASS
5464.250000	-34.5	7.5	-27.0	PASS
5463.750000	-34.6	7.6	-27.0	PASS
5462.750000	-35.5	8.5	-27.0	PASS
5462.250000	-35.5	8.5	-27.0	PASS

Frequency MHz = 5610.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

Mode = SISO Measurement Point = 1

Images:



Tables:

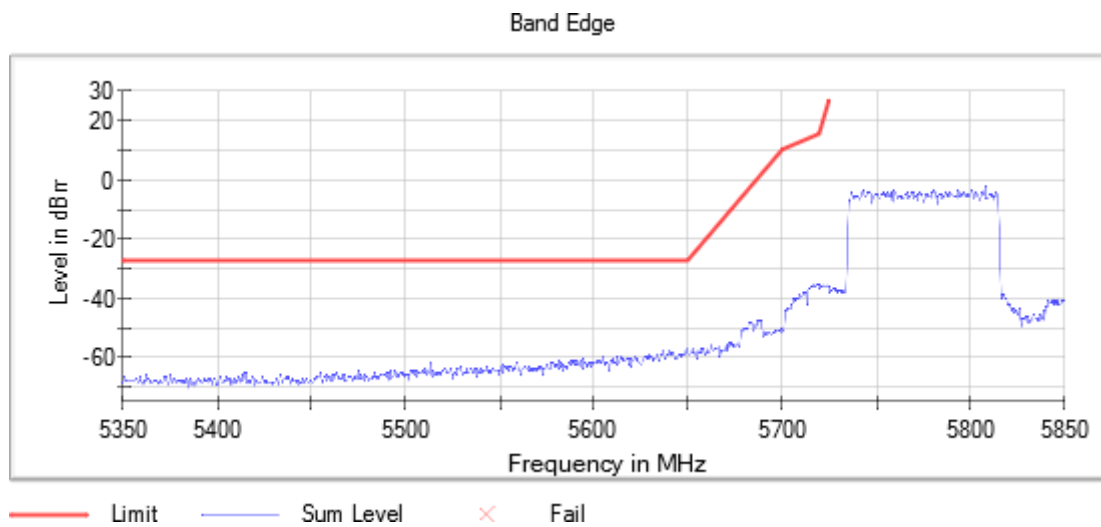
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5365.750000	-35.1	8.1	-27.0	PASS
5367.250000	-35.1	8.1	-27.0	PASS
5366.750000	-35.2	8.2	-27.0	PASS
5366.250000	-35.3	8.3	-27.0	PASS
5365.250000	-35.3	8.3	-27.0	PASS
5364.250000	-35.4	8.4	-27.0	PASS
5364.750000	-35.4	8.4	-27.0	PASS
5361.250000	-35.6	8.6	-27.0	PASS
5362.250000	-35.6	8.6	-27.0	PASS
5367.750000	-35.6	8.6	-27.0	PASS
5361.750000	-35.7	8.7	-27.0	PASS
5359.250000	-35.7	8.7	-27.0	PASS
5360.750000	-35.7	8.7	-27.0	PASS
5362.750000	-35.7	8.7	-27.0	PASS
5356.250000	-35.7	8.7	-27.0	PASS

Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

Mode = SISO Measurement Point = 1

Images:



Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5148.750000	-36.5	9.5	-27.0	PASS
5148.250000	-36.7	9.7	-27.0	PASS
5147.750000	-37.0	10.0	-27.0	PASS
5149.250000	-37.0	10.0	-27.0	PASS
5147.250000	-37.3	10.3	-27.0	PASS
5149.750000	-37.5	10.5	-27.0	PASS
5146.750000	-37.8	10.8	-27.0	PASS
5146.250000	-38.4	11.4	-27.0	PASS
5145.750000	-38.9	11.9	-27.0	PASS
5145.250000	-39.1	12.1	-27.0	PASS
5142.250000	-39.6	12.6	-27.0	PASS
5142.750000	-39.7	12.7	-27.0	PASS
5143.750000	-39.8	12.8	-27.0	PASS
5144.250000	-39.8	12.8	-27.0	PASS
5144.750000	-39.8	12.8	-27.0	PASS

Mode: SISO

Modulation: 802.11ax HE20 SS1 (OFDMA MCS8) - Partial RU

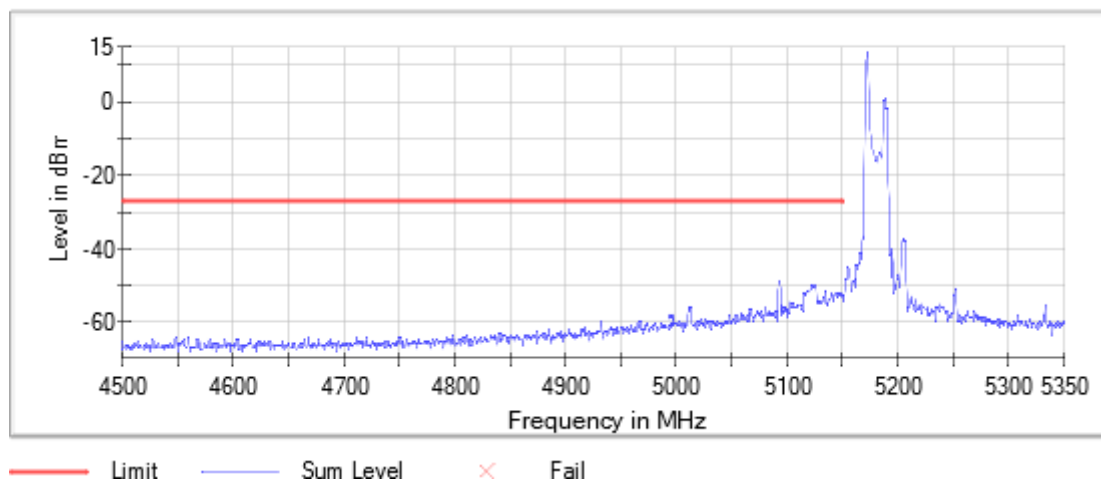
Results

Verdict

Pass

Frequency MHz = 5180.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
Mode = SISO Measurement Point = 1

Band Edge



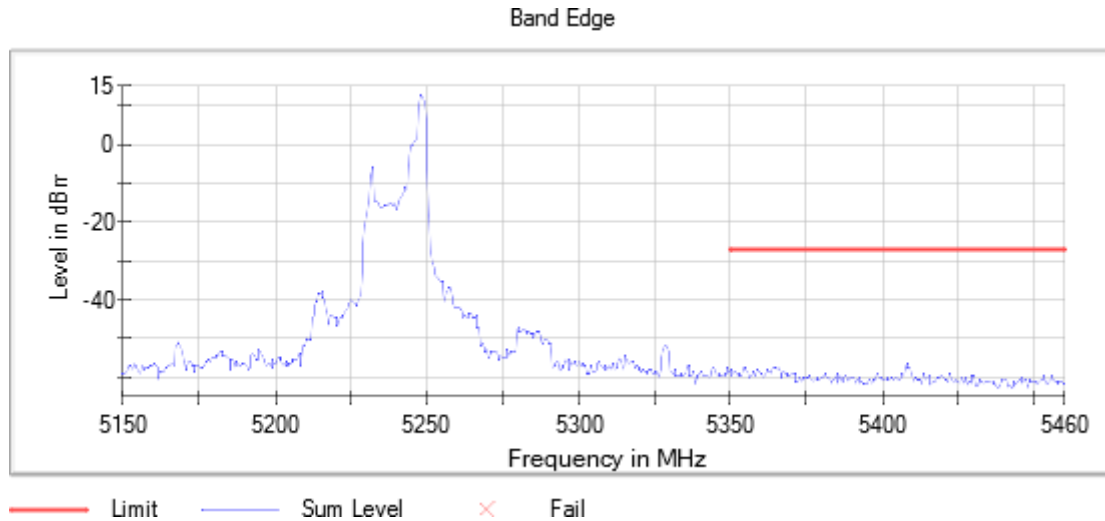
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5091.750000	-48.9	21.9	-27.0	PASS
5092.250000	-49.1	22.1	-27.0	PASS
5120.750000	-49.6	22.6	-27.0	PASS
5091.250000	-49.6	22.6	-27.0	PASS
5122.250000	-49.8	22.8	-27.0	PASS
5121.250000	-49.8	22.8	-27.0	PASS
5124.750000	-49.9	22.9	-27.0	PASS
5124.250000	-50.1	23.1	-27.0	PASS
5123.750000	-50.3	23.3	-27.0	PASS
5123.250000	-50.4	23.4	-27.0	PASS
5125.250000	-50.5	23.5	-27.0	PASS
5122.750000	-50.8	23.8	-27.0	PASS
5092.750000	-50.9	23.9	-27.0	PASS
5121.750000	-51.1	24.1	-27.0	PASS
5117.750000	-51.2	24.2	-27.0	PASS

Frequency MHz = 5240.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

Mode = SISO Measurement Point = 1

Images:



Tables:

Spectrum Analyzer Parameters

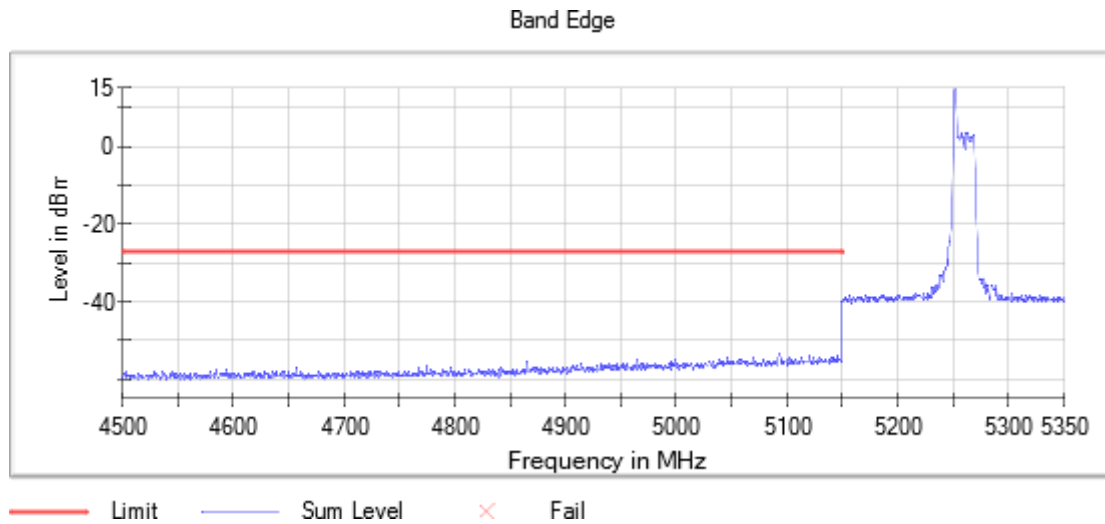
Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5408.250000	-56.5	29.5	-27.0	PASS
5407.750000	-56.8	29.8	-27.0	PASS
5364.750000	-57.3	30.3	-27.0	PASS
5409.250000	-57.3	30.3	-27.0	PASS
5408.750000	-57.3	30.3	-27.0	PASS
5354.750000	-57.5	30.5	-27.0	PASS
5354.250000	-57.7	30.7	-27.0	PASS
5365.750000	-57.7	30.7	-27.0	PASS
5363.750000	-57.7	30.7	-27.0	PASS
5364.250000	-57.7	30.7	-27.0	PASS
5362.250000	-57.8	30.8	-27.0	PASS
5355.250000	-57.9	30.9	-27.0	PASS
5350.250000	-58.1	31.1	-27.0	PASS
5365.250000	-58.2	31.2	-27.0	PASS
5358.750000	-58.2	31.2	-27.0	PASS

Attachments

Frequency MHz = 5260.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

Mode = SISO Measurement Point = 1

Images:



Tables:

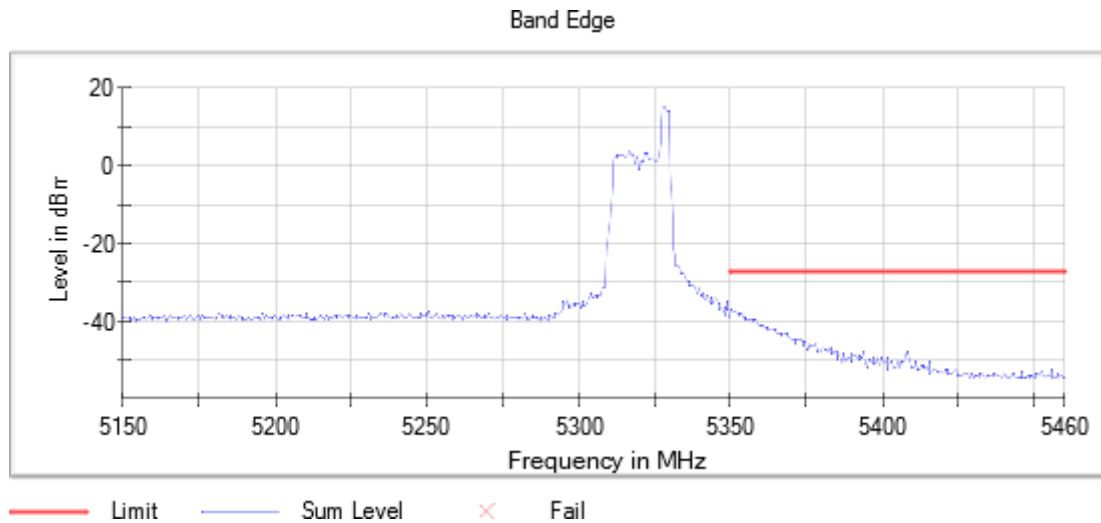
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5091.750000	-53.0	26.0	-27.0	PASS
5092.250000	-53.3	26.3	-27.0	PASS
5119.750000	-53.6	26.6	-27.0	PASS
5143.250000	-54.0	27.0	-27.0	PASS
5091.250000	-54.1	27.1	-27.0	PASS
5144.750000	-54.2	27.2	-27.0	PASS
5113.250000	-54.3	27.3	-27.0	PASS
5139.250000	-54.3	27.3	-27.0	PASS
5090.750000	-54.3	27.3	-27.0	PASS
5127.750000	-54.4	27.4	-27.0	PASS
5144.250000	-54.4	27.4	-27.0	PASS
5120.250000	-54.4	27.4	-27.0	PASS
5119.250000	-54.4	27.4	-27.0	PASS
5122.250000	-54.4	27.4	-27.0	PASS
5092.750000	-54.6	27.6	-27.0	PASS

Frequency MHz = 5320.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

Mode = SISO Measurement Point = 1

Images:



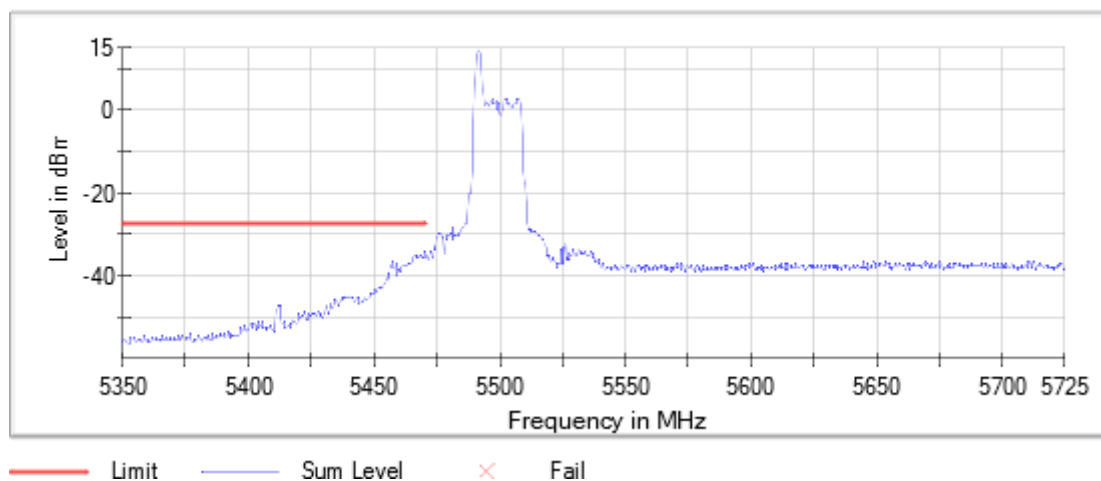
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.750000	-36.8	9.8	-27.0	PASS
5350.250000	-37.0	10.0	-27.0	PASS
5351.750000	-37.3	10.3	-27.0	PASS
5351.250000	-37.3	10.3	-27.0	PASS
5352.250000	-37.8	10.8	-27.0	PASS
5353.750000	-38.0	11.0	-27.0	PASS
5352.750000	-38.1	11.1	-27.0	PASS
5353.250000	-38.5	11.5	-27.0	PASS
5354.750000	-38.8	11.8	-27.0	PASS
5354.250000	-39.2	12.2	-27.0	PASS
5356.250000	-39.4	12.4	-27.0	PASS
5355.250000	-39.4	12.4	-27.0	PASS
5358.250000	-39.5	12.5	-27.0	PASS
5355.750000	-39.6	12.6	-27.0	PASS
5357.250000	-39.7	12.7	-27.0	PASS

Mode = SISO Measurement Point = 1

Band Edge

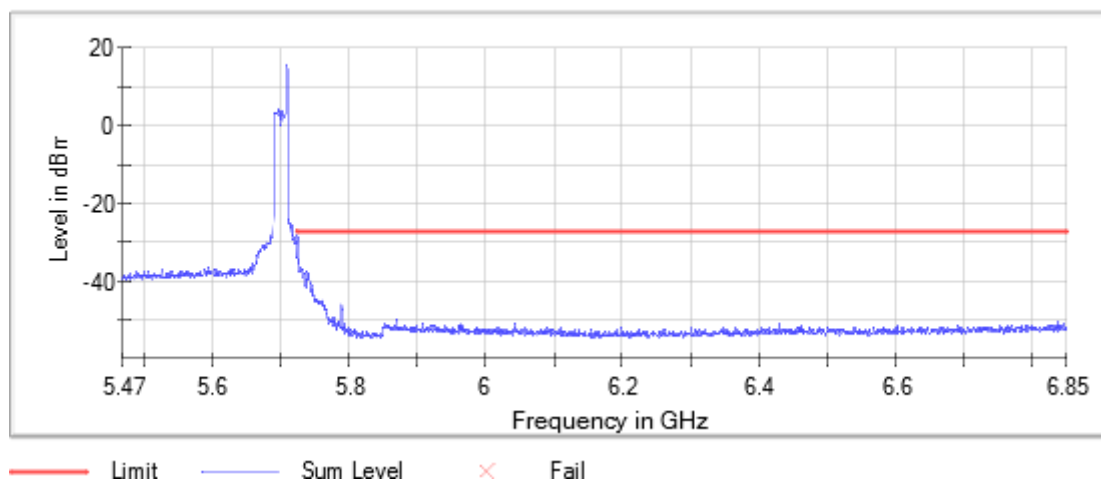


Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5091.750000	-53.0	26.0	-27.0	PASS
5092.250000	-53.3	26.3	-27.0	PASS
5119.750000	-53.6	26.6	-27.0	PASS
5143.250000	-54.0	27.0	-27.0	PASS
5091.250000	-54.1	27.1	-27.0	PASS
5144.750000	-54.2	27.2	-27.0	PASS
5113.250000	-54.3	27.3	-27.0	PASS
5139.250000	-54.3	27.3	-27.0	PASS
5090.750000	-54.3	27.3	-27.0	PASS
5127.750000	-54.4	27.4	-27.0	PASS
5144.250000	-54.4	27.4	-27.0	PASS
5120.250000	-54.4	27.4	-27.0	PASS
5119.250000	-54.4	27.4	-27.0	PASS
5122.250000	-54.4	27.4	-27.0	PASS
5092.750000	-54.6	27.6	-27.0	PASS

Mode = SISO Measurement Point = 1

Band Edge

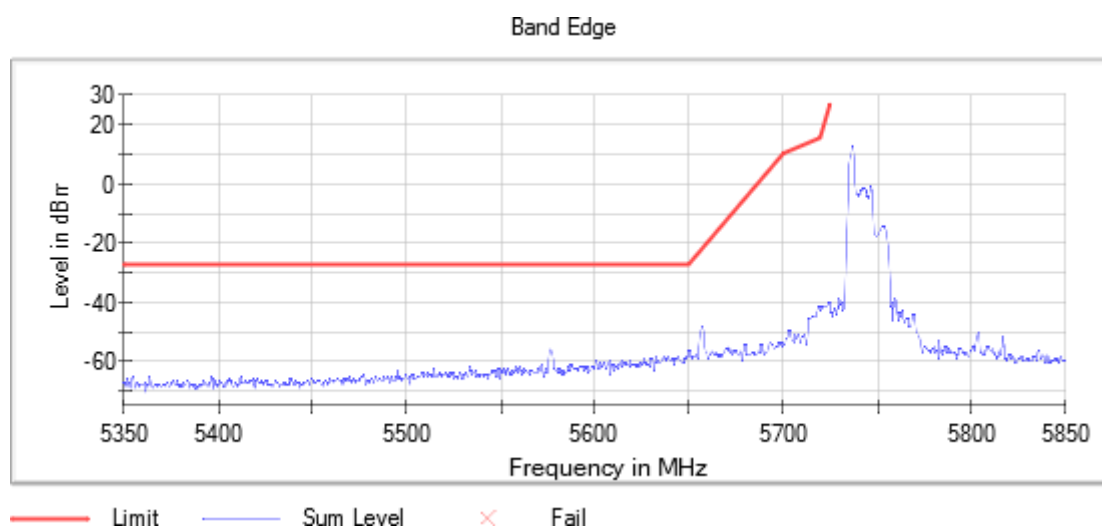


Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.750000	-36.8	9.8	-27.0	PASS
5350.250000	-37.0	10.0	-27.0	PASS
5351.750000	-37.3	10.3	-27.0	PASS
5351.250000	-37.3	10.3	-27.0	PASS
5352.250000	-37.8	10.8	-27.0	PASS
5353.750000	-38.0	11.0	-27.0	PASS
5352.750000	-38.1	11.1	-27.0	PASS
5353.250000	-38.5	11.5	-27.0	PASS
5354.750000	-38.8	11.8	-27.0	PASS
5354.250000	-39.2	12.2	-27.0	PASS
5356.250000	-39.4	12.4	-27.0	PASS
5355.250000	-39.4	12.4	-27.0	PASS
5358.250000	-39.5	12.5	-27.0	PASS
5355.750000	-39.6	12.6	-27.0	PASS
5357.250000	-39.7	12.7	-27.0	PASS

Mode = SISO Measurement Point = 1

Images:



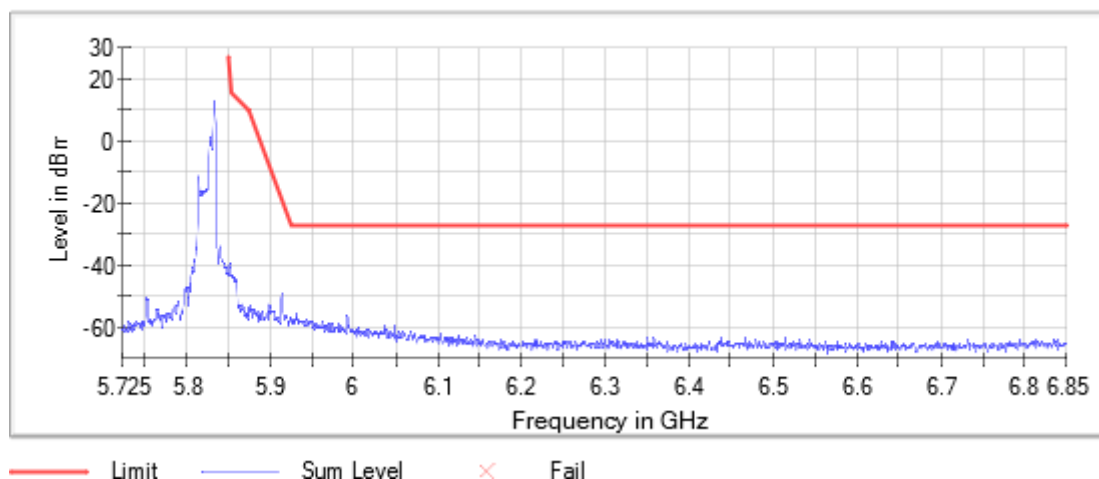
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5091.750000	-48.9	21.9	-27.0	PASS
5092.250000	-49.1	22.1	-27.0	PASS
5120.750000	-49.6	22.6	-27.0	PASS
5091.250000	-49.6	22.6	-27.0	PASS
5122.250000	-49.8	22.8	-27.0	PASS
5121.250000	-49.8	22.8	-27.0	PASS
5124.750000	-49.9	22.9	-27.0	PASS
5124.250000	-50.1	23.1	-27.0	PASS
5123.750000	-50.3	23.3	-27.0	PASS
5123.250000	-50.4	23.4	-27.0	PASS
5125.250000	-50.5	23.5	-27.0	PASS
5122.750000	-50.8	23.8	-27.0	PASS
5092.750000	-50.9	23.9	-27.0	PASS
5121.750000	-51.1	24.1	-27.0	PASS
5117.750000	-51.2	24.2	-27.0	PASS

Mode = SISO Measurement Point = 1

Band Edge



Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5408.250000	-56.5	29.5	-27.0	PASS
5407.750000	-56.8	29.8	-27.0	PASS
5364.750000	-57.3	30.3	-27.0	PASS
5409.250000	-57.3	30.3	-27.0	PASS
5408.750000	-57.3	30.3	-27.0	PASS
5354.750000	-57.5	30.5	-27.0	PASS
5354.250000	-57.7	30.7	-27.0	PASS
5365.750000	-57.7	30.7	-27.0	PASS
5363.750000	-57.7	30.7	-27.0	PASS
5364.250000	-57.7	30.7	-27.0	PASS
5362.250000	-57.8	30.8	-27.0	PASS
5355.250000	-57.9	30.9	-27.0	PASS
5350.250000	-58.1	31.1	-27.0	PASS
5365.250000	-58.2	31.2	-27.0	PASS
5358.750000	-58.2	31.2	-27.0	PASS

Mode: SISO

Modulation: 802.11ax HE40 SS1 (OFDMA MCS9) - Partial RU

Results

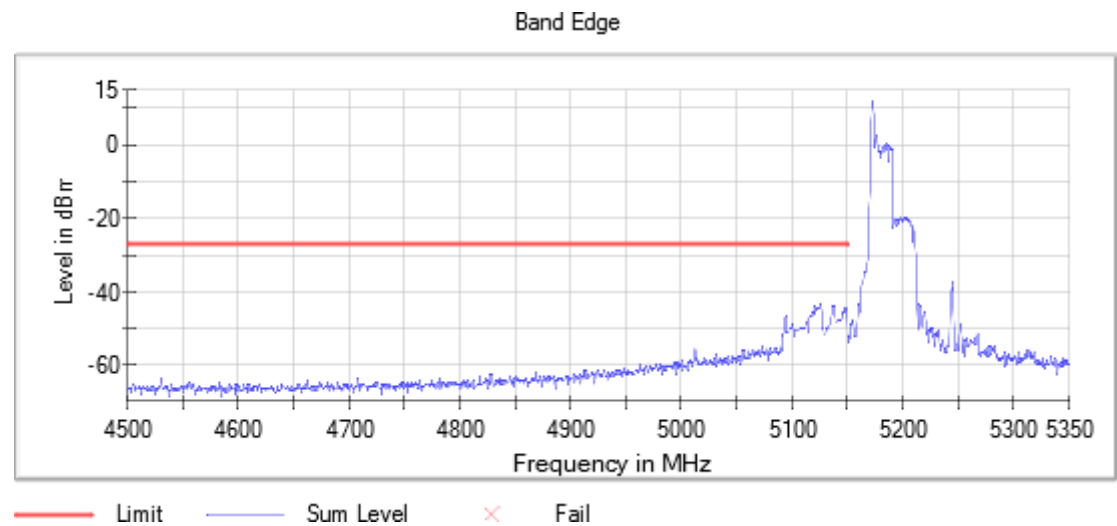
Verdict

Pass

Attachments

Frequency MHz = 5190.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Measurement Point = 1

Images:



Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5125.250000	-43.7	16.7	-27.0	PASS
5136.250000	-43.7	16.7	-27.0	PASS
5135.750000	-43.9	16.9	-27.0	PASS
5124.750000	-44.0	17.0	-27.0	PASS
5136.750000	-44.1	17.1	-27.0	PASS
5120.250000	-44.2	17.2	-27.0	PASS
5123.250000	-44.2	17.2	-27.0	PASS
5124.250000	-44.3	17.3	-27.0	PASS
5123.750000	-44.3	17.3	-27.0	PASS
5122.750000	-44.4	17.4	-27.0	PASS
5149.750000	-44.5	17.5	-27.0	PASS
5120.750000	-44.6	17.6	-27.0	PASS
5122.250000	-44.6	17.6	-27.0	PASS
5137.250000	-44.6	17.6	-27.0	PASS
5147.750000	-44.7	17.7	-27.0	PASS

Mode = SISO Measurement Point = 1

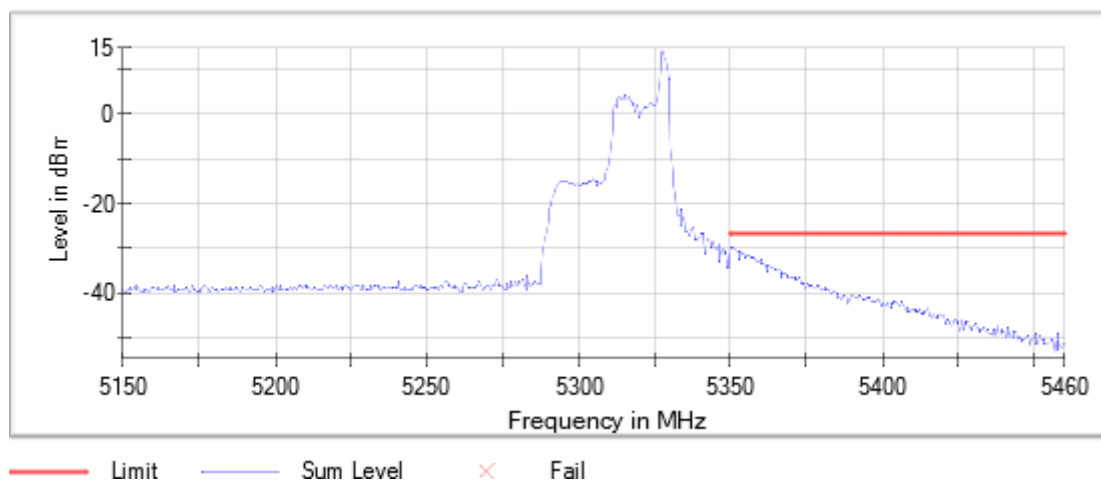
Images:



Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5356.250000	-55.4	28.4	-27.0	PASS
5375.750000	-55.8	28.8	-27.0	PASS
5358.250000	-55.9	28.9	-27.0	PASS
5378.250000	-56.0	29.0	-27.0	PASS
5388.250000	-56.1	29.1	-27.0	PASS
5389.250000	-56.1	29.1	-27.0	PASS
5361.250000	-56.1	29.1	-27.0	PASS
5389.750000	-56.2	29.2	-27.0	PASS
5394.750000	-56.2	29.2	-27.0	PASS
5360.250000	-56.2	29.2	-27.0	PASS
5388.750000	-56.2	29.2	-27.0	PASS
5357.750000	-56.2	29.2	-27.0	PASS
5374.250000	-56.2	29.2	-27.0	PASS
5350.250000	-56.3	29.3	-27.0	PASS
5360.750000	-56.3	29.3	-27.0	PASS

Mode = SISO Measurement Point = 1

Band Edge

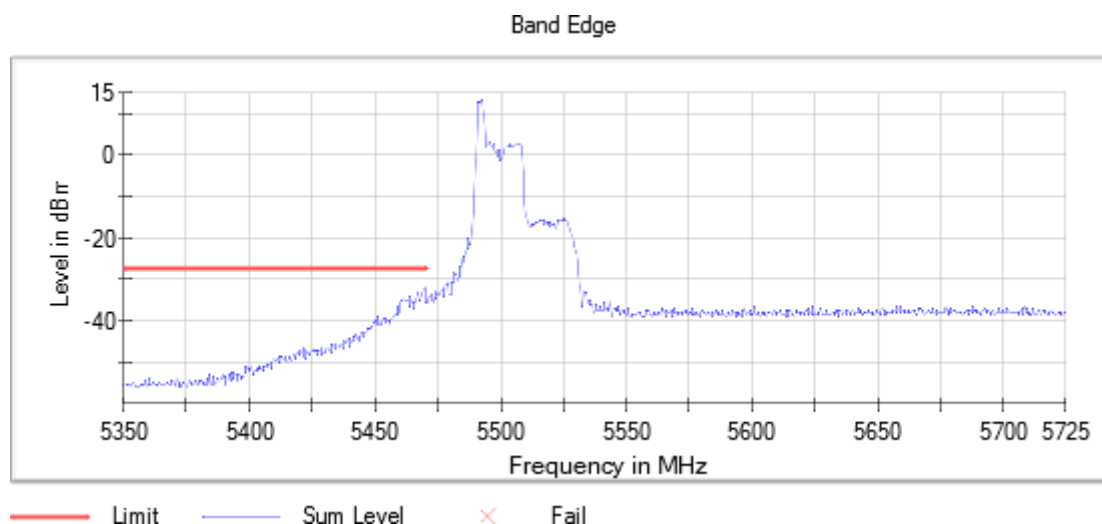


Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.250000	-30.0	3.0	-27.0	PASS
5350.750000	-30.2	3.2	-27.0	PASS
5351.250000	-30.2	3.2	-27.0	PASS
5351.750000	-30.6	3.6	-27.0	PASS
5352.250000	-30.9	3.9	-27.0	PASS
5352.750000	-30.9	3.9	-27.0	PASS
5353.750000	-31.1	4.1	-27.0	PASS
5354.250000	-31.3	4.3	-27.0	PASS
5354.750000	-31.8	4.8	-27.0	PASS
5356.250000	-32.0	5.0	-27.0	PASS
5355.750000	-32.0	5.0	-27.0	PASS
5355.250000	-32.1	5.1	-27.0	PASS
5357.250000	-32.3	5.3	-27.0	PASS
5356.750000	-32.4	5.4	-27.0	PASS
5357.750000	-32.4	5.4	-27.0	PASS

Mode = SISO Measurement Point = 1

Images:



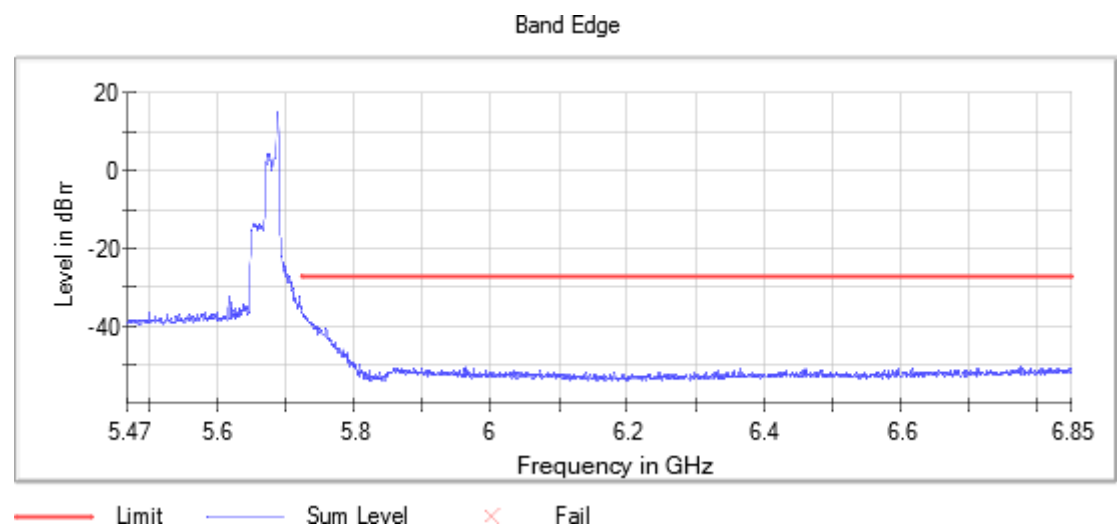
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5138.750000	-51.8	24.8	-27.0	PASS
5149.750000	-52.2	25.2	-27.0	PASS
5147.750000	-52.7	25.7	-27.0	PASS
5092.250000	-52.9	25.9	-27.0	PASS
5141.250000	-53.0	26.0	-27.0	PASS
5142.750000	-53.0	26.0	-27.0	PASS
5143.250000	-53.4	26.4	-27.0	PASS
5092.750000	-53.4	26.4	-27.0	PASS
5146.250000	-53.5	26.5	-27.0	PASS
5146.750000	-53.5	26.5	-27.0	PASS
5091.250000	-53.6	26.6	-27.0	PASS
5148.750000	-53.7	26.7	-27.0	PASS
5091.750000	-53.7	26.7	-27.0	PASS
5119.750000	-53.7	26.7	-27.0	PASS
5120.250000	-53.8	26.8	-27.0	PASS

Frequency MHz = 5670.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Measurement Point = 1

Images:

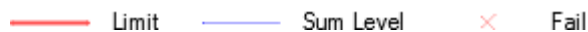


Tables:
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5350.250000	-30.0	3.0	-27.0	PASS
5350.750000	-30.2	3.2	-27.0	PASS
5351.250000	-30.2	3.2	-27.0	PASS
5351.750000	-30.6	3.6	-27.0	PASS
5352.250000	-30.9	3.9	-27.0	PASS
5352.750000	-30.9	3.9	-27.0	PASS
5353.750000	-31.1	4.1	-27.0	PASS
5354.250000	-31.3	4.3	-27.0	PASS
5354.750000	-31.8	4.8	-27.0	PASS
5356.250000	-32.0	5.0	-27.0	PASS
5355.750000	-32.0	5.0	-27.0	PASS
5355.250000	-32.1	5.1	-27.0	PASS
5357.250000	-32.3	5.3	-27.0	PASS
5356.750000	-32.4	5.4	-27.0	PASS
5357.750000	-32.4	5.4	-27.0	PASS

Mode = SISO Measurement Point = 1

Images:



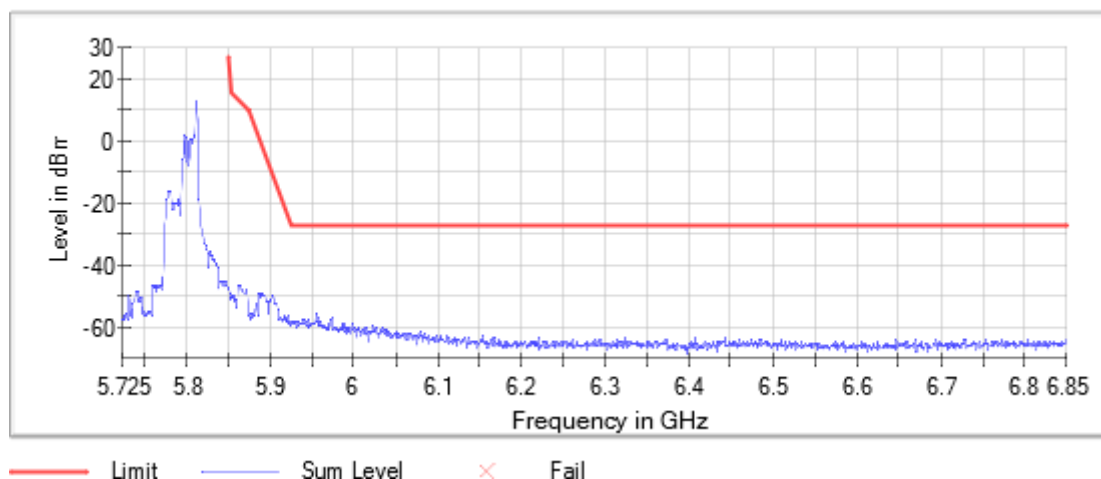
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5125.250000	-43.7	16.7	-27.0	PASS
5136.250000	-43.7	16.7	-27.0	PASS
5135.750000	-43.9	16.9	-27.0	PASS
5124.750000	-44.0	17.0	-27.0	PASS
5136.750000	-44.1	17.1	-27.0	PASS
5120.250000	-44.2	17.2	-27.0	PASS
5123.250000	-44.2	17.2	-27.0	PASS
5124.250000	-44.3	17.3	-27.0	PASS
5123.750000	-44.3	17.3	-27.0	PASS
5122.750000	-44.4	17.4	-27.0	PASS
5149.750000	-44.5	17.5	-27.0	PASS
5120.750000	-44.6	17.6	-27.0	PASS
5122.250000	-44.6	17.6	-27.0	PASS
5137.250000	-44.6	17.6	-27.0	PASS
5147.750000	-44.7	17.7	-27.0	PASS

Mode = SISO Measurement Point = 1

Band Edge



Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5450.750000	-67.6	40.6	-27.0	PASS
5368.250000	-67.7	40.7	-27.0	PASS
5368.750000	-67.7	40.7	-27.0	PASS
5367.250000	-68.3	41.3	-27.0	PASS
5424.750000	-68.3	41.3	-27.0	PASS
5442.750000	-68.4	41.4	-27.0	PASS
5450.250000	-68.4	41.4	-27.0	PASS
5449.750000	-68.5	41.5	-27.0	PASS
5432.250000	-68.5	41.5	-27.0	PASS
5405.750000	-68.5	41.5	-27.0	PASS
5423.250000	-68.6	41.6	-27.0	PASS
5350.250000	-68.6	41.6	-27.0	PASS
5358.250000	-68.6	41.6	-27.0	PASS
5429.250000	-68.8	41.8	-27.0	PASS
5384.750000	-68.8	41.8	-27.0	PASS

Mode: SISO

Modulation: 802.11ax HE80 SS1 (OFDMA MCS11) - Partial RU

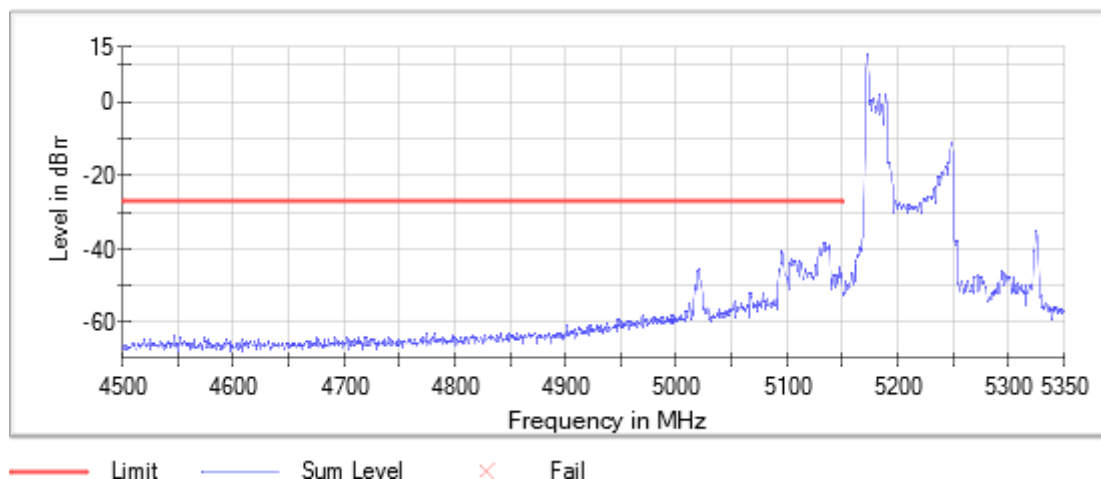
Results

Verdict

Pass

Frequency MHz = 5210.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Mode = SISO Measurement Point = 1

Band Edge

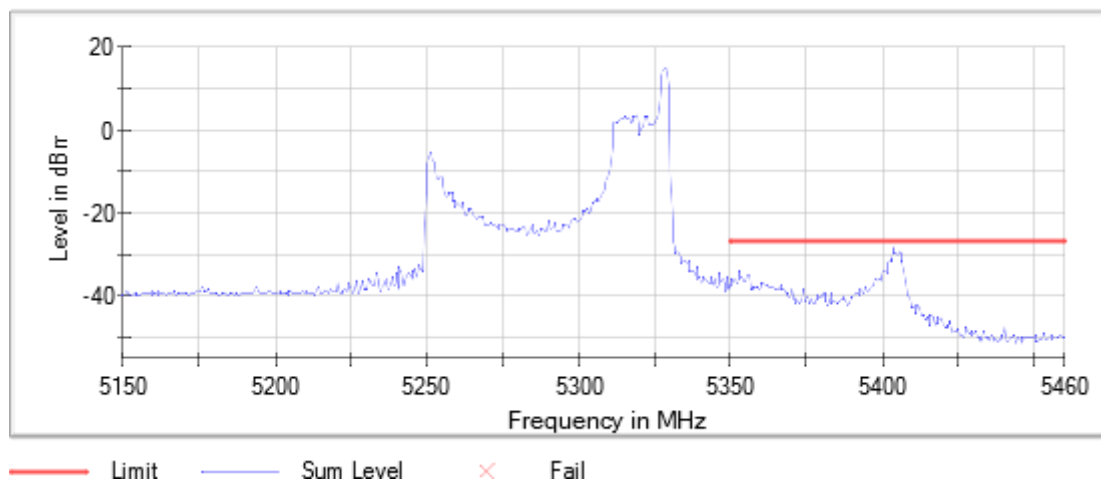


Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5132.750000	-38.4	11.4	-27.0	PASS
5132.250000	-38.6	11.6	-27.0	PASS
5137.250000	-39.4	12.4	-27.0	PASS
5136.250000	-39.4	12.4	-27.0	PASS
5134.250000	-39.4	12.4	-27.0	PASS
5133.250000	-39.4	12.4	-27.0	PASS
5134.750000	-39.6	12.6	-27.0	PASS
5135.750000	-39.7	12.7	-27.0	PASS
5128.750000	-39.9	12.9	-27.0	PASS
5131.750000	-39.9	12.9	-27.0	PASS
5136.750000	-40.0	13.0	-27.0	PASS
5129.250000	-40.1	13.1	-27.0	PASS
5135.250000	-40.2	13.2	-27.0	PASS
5094.250000	-40.3	13.3	-27.0	PASS
5129.750000	-40.6	13.6	-27.0	PASS

Frequency MHz = 5290.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Mode = SISO Measurement Point = 1

Band Edge

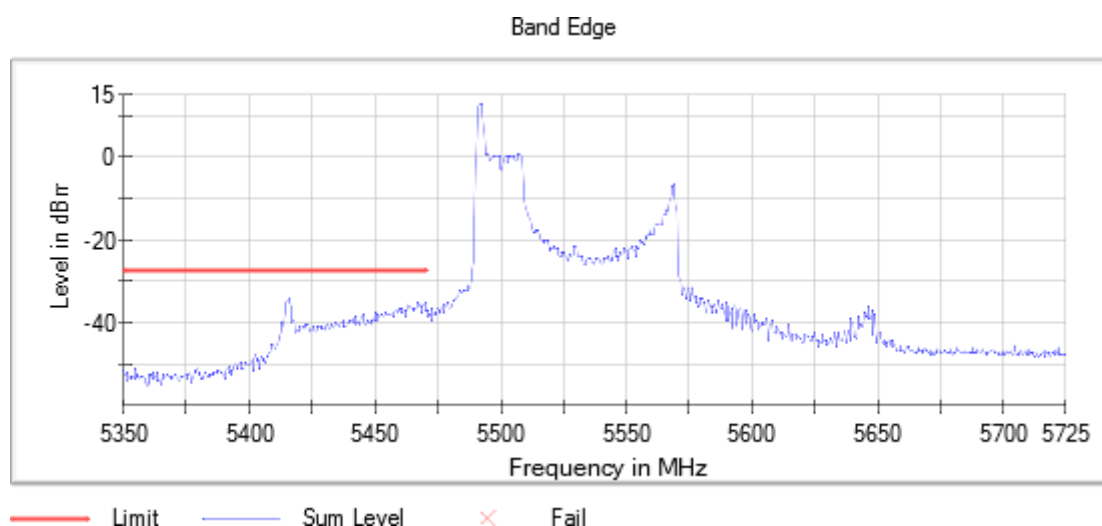


Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5403.750000	-28.5	1.5	-27.0	PASS
5405.750000	-29.4	2.4	-27.0	PASS
5404.250000	-29.5	2.5	-27.0	PASS
5404.750000	-29.5	2.5	-27.0	PASS
5406.250000	-29.7	2.7	-27.0	PASS
5405.250000	-30.2	3.2	-27.0	PASS
5402.750000	-31.0	4.0	-27.0	PASS
5403.250000	-31.6	4.6	-27.0	PASS
5402.250000	-31.7	4.7	-27.0	PASS
5406.750000	-31.7	4.7	-27.0	PASS
5401.750000	-32.1	5.1	-27.0	PASS
5400.250000	-33.8	6.8	-27.0	PASS
5400.750000	-33.9	6.9	-27.0	PASS
5352.750000	-34.0	7.0	-27.0	PASS
5401.250000	-34.2	7.2	-27.0	PASS

Mode = SISO Measurement Point = 1

Images:



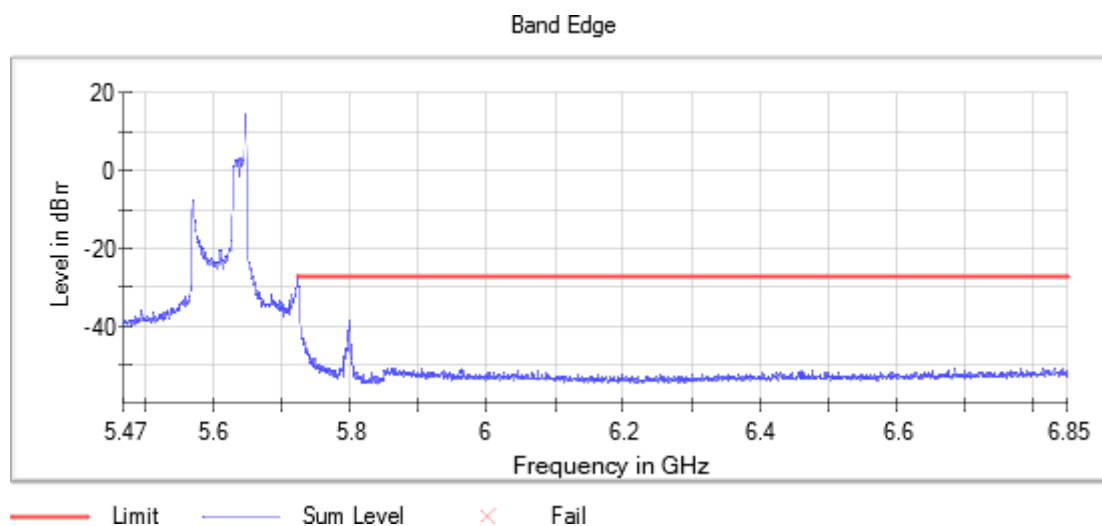
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5415.250000	-34.2	7.2	-27.0	PASS
5414.750000	-34.6	7.6	-27.0	PASS
5415.750000	-34.7	7.7	-27.0	PASS
5469.750000	-35.1	8.1	-27.0	PASS
5416.250000	-35.1	8.1	-27.0	PASS
5467.250000	-35.2	8.2	-27.0	PASS
5414.250000	-35.2	8.2	-27.0	PASS
5469.250000	-35.7	8.7	-27.0	PASS
5467.750000	-35.8	8.8	-27.0	PASS
5463.250000	-35.8	8.8	-27.0	PASS
5416.750000	-36.0	9.0	-27.0	PASS
5468.750000	-36.1	9.1	-27.0	PASS
5463.750000	-36.2	9.2	-27.0	PASS
5464.250000	-36.3	9.3	-27.0	PASS
5466.750000	-36.3	9.3	-27.0	PASS

Mode = SISO Measurement Point = 1

Images:



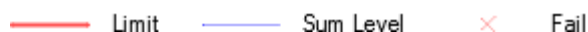
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5403.750000	-28.5	1.5	-27.0	PASS
5405.750000	-29.4	2.4	-27.0	PASS
5404.250000	-29.5	2.5	-27.0	PASS
5404.750000	-29.5	2.5	-27.0	PASS
5406.250000	-29.7	2.7	-27.0	PASS
5405.250000	-30.2	3.2	-27.0	PASS
5402.750000	-31.0	4.0	-27.0	PASS
5403.250000	-31.6	4.6	-27.0	PASS
5402.250000	-31.7	4.7	-27.0	PASS
5406.750000	-31.7	4.7	-27.0	PASS
5401.750000	-32.1	5.1	-27.0	PASS
5400.250000	-33.8	6.8	-27.0	PASS
5400.750000	-33.9	6.9	-27.0	PASS
5352.750000	-34.0	7.0	-27.0	PASS
5401.250000	-34.2	7.2	-27.0	PASS

Mode = SISO Measurement Point = 1

Images:



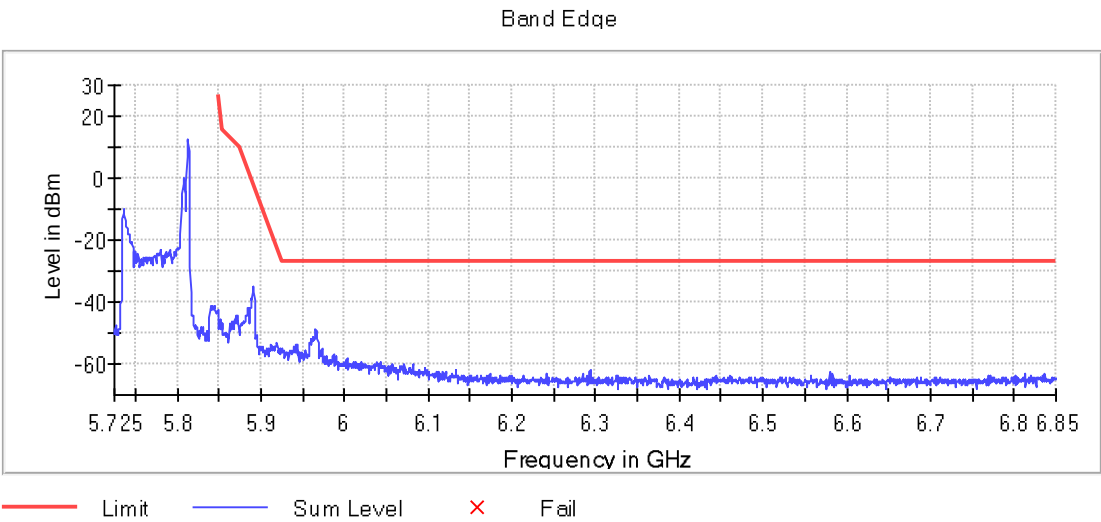
Tables:

Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5132.750000	-38.4	11.4	-27.0	PASS
5132.250000	-38.6	11.6	-27.0	PASS
5137.250000	-39.4	12.4	-27.0	PASS
5136.250000	-39.4	12.4	-27.0	PASS
5134.250000	-39.4	12.4	-27.0	PASS
5133.250000	-39.4	12.4	-27.0	PASS
5134.750000	-39.6	12.6	-27.0	PASS
5135.750000	-39.7	12.7	-27.0	PASS
5128.750000	-39.9	12.9	-27.0	PASS
5131.750000	-39.9	12.9	-27.0	PASS
5136.750000	-40.0	13.0	-27.0	PASS
5129.250000	-40.1	13.1	-27.0	PASS
5135.250000	-40.2	13.2	-27.0	PASS
5094.250000	-40.3	13.3	-27.0	PASS
5129.750000	-40.6	13.6	-27.0	PASS

Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Mode = SISO Measurement Point = 1

Images:



Tables:
Spectrum Analyzer Parameters

Frequency(MHz)	Level(dBm)	Margin(dB)	Limit(dBm)	Result
5965.250000	-48.6	21.6	-27.0	PASS
5965.750000	-48.6	21.6	-27.0	PASS
5966.250000	-49.4	22.4	-27.0	PASS
5966.750000	-49.5	22.5	-27.0	PASS
5962.250000	-50.9	23.9	-27.0	PASS
5964.250000	-51.1	24.1	-27.0	PASS
5962.750000	-51.1	24.1	-27.0	PASS
5964.750000	-51.1	24.1	-27.0	PASS
5960.250000	-51.6	24.6	-27.0	PASS
5961.250000	-51.9	24.9	-27.0	PASS
5963.750000	-51.9	24.9	-27.0	PASS
5967.250000	-52.0	25.0	-27.0	PASS
5967.750000	-52.2	25.2	-27.0	PASS
5963.250000	-52.2	25.2	-27.0	PASS
5961.750000	-52.8	25.8	-27.0	PASS

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

Limits

Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

RSS-247: For equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz.

Mode: SISO

Modulation: 802.11ax HE20 SS1 (OFDMA MCS8) – FULL RU

Results

Freq (MHz)	6dBw (MHz)
5745.00000	18.850
5785.00000	18.850
5825.00000	18.850

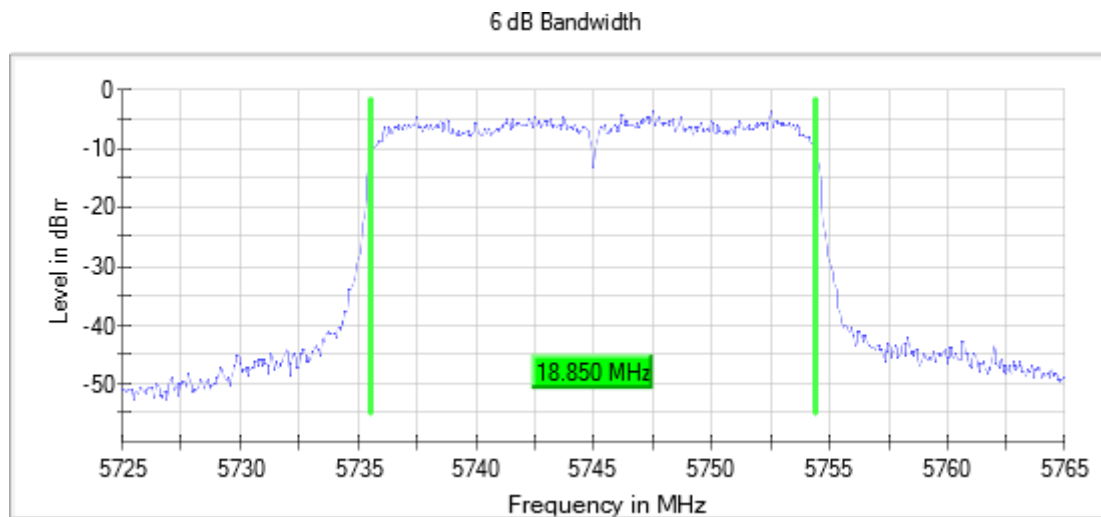
Verdict

Pass

Attachments

Frequency MHz = 5745.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
Mode = SISO Number of Transmission Chains = 1

Images:



Frequency MHz = 5785.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
Mode = SISO Number of Transmission Chains = 1

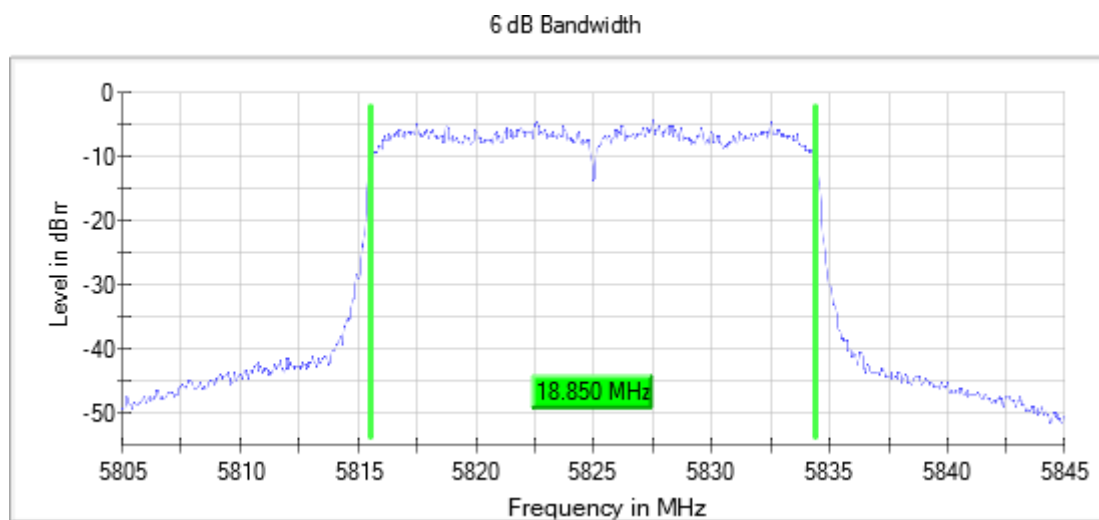
Images:



Frequency MHz = 5825.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

Mode = SISO Number of Transmission Chains = 1

Images:



Mode: SISO
Modulation: 802.11ax HE40 SS1 (OFDMA MCS9) – FULL RU

Results

Freq (MHz)	6dBw (MHz)
5755.00000	38.000
5795.00000	37.900

Verdict

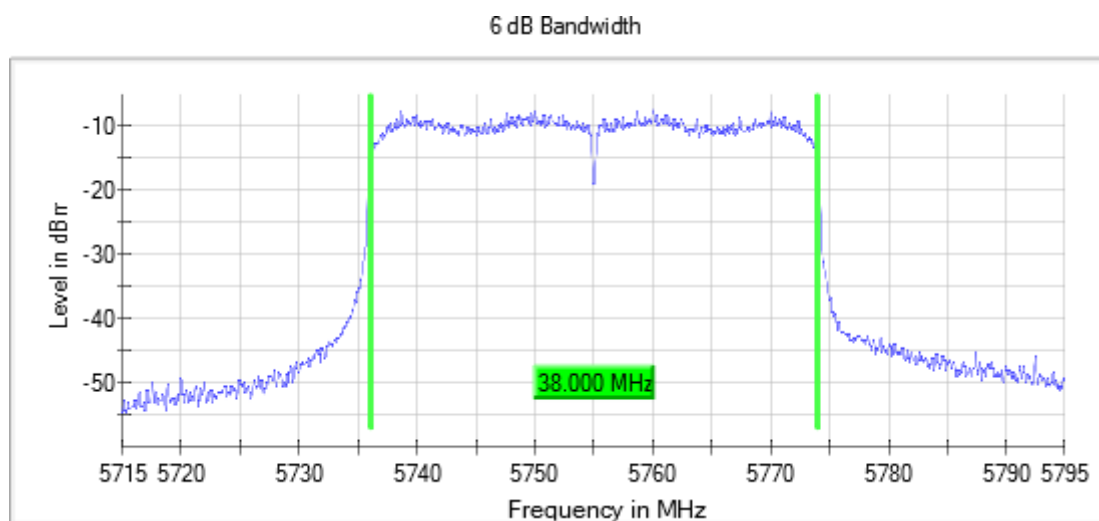
Pass

Attachments

Frequency MHz = 5755.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = SISO Number of Transmission Chains = 1

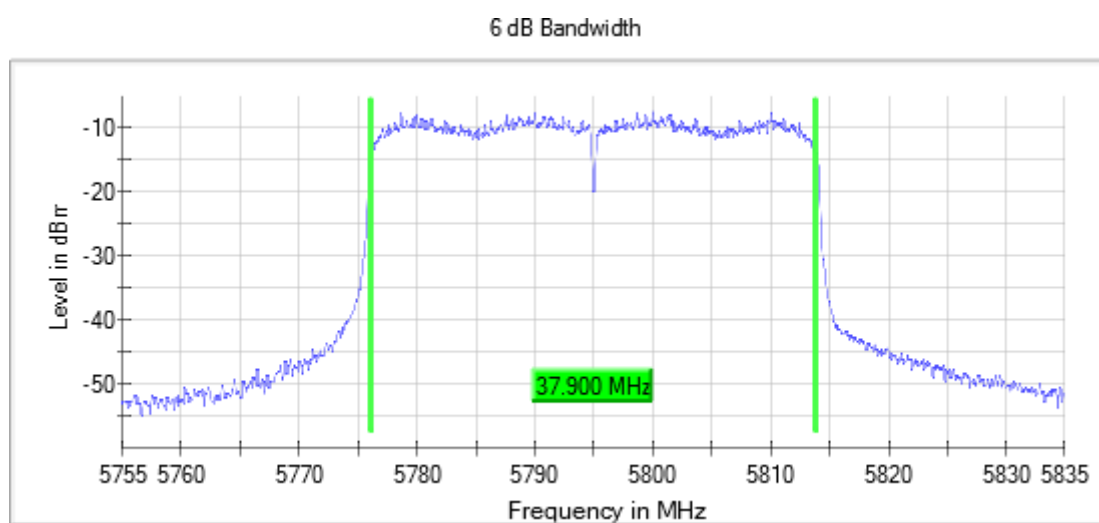
Images:



Frequency MHz = 5795.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = SISO Number of Transmission Chains = 1

Images:



Mode: SISO
Modulation: 802.11ax HE80 SS1 (OFDMA MCS11) – FULL RU

Results

Freq (MHz)	6dBw (MHz)
5775.00000	78.250

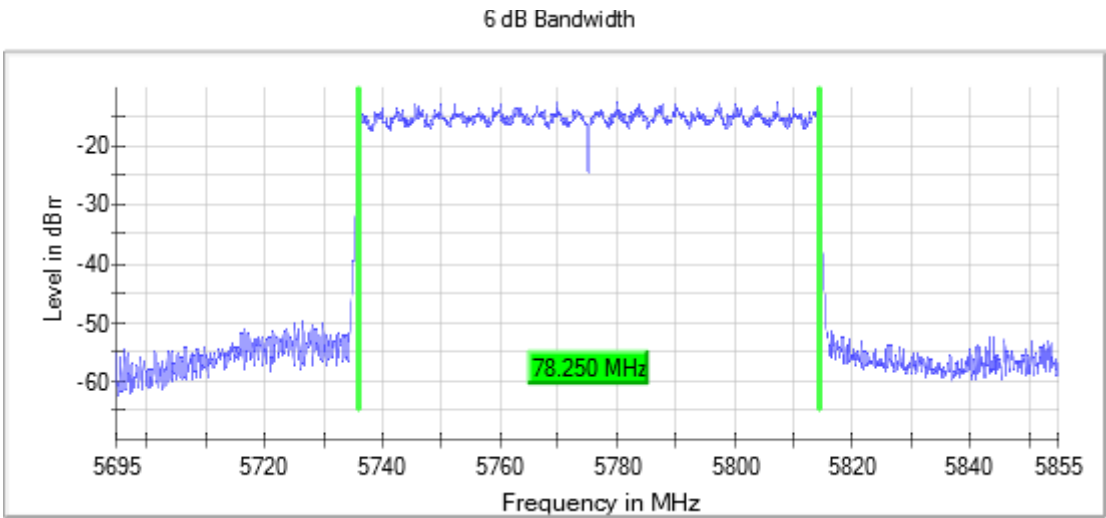
Verdict

Pass

Attachments

Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Mode = SISO Number of Transmission Chains = 1

Images:



Mode: SISO
Modulation: 802.11ax HE20 SS1 (OFDMA MCS8) – Partial RU

Results

Freq (MHz)	6dBw (MHz)
5745.00000	2.150
5785.00000	2.150
5825.00000	2.150

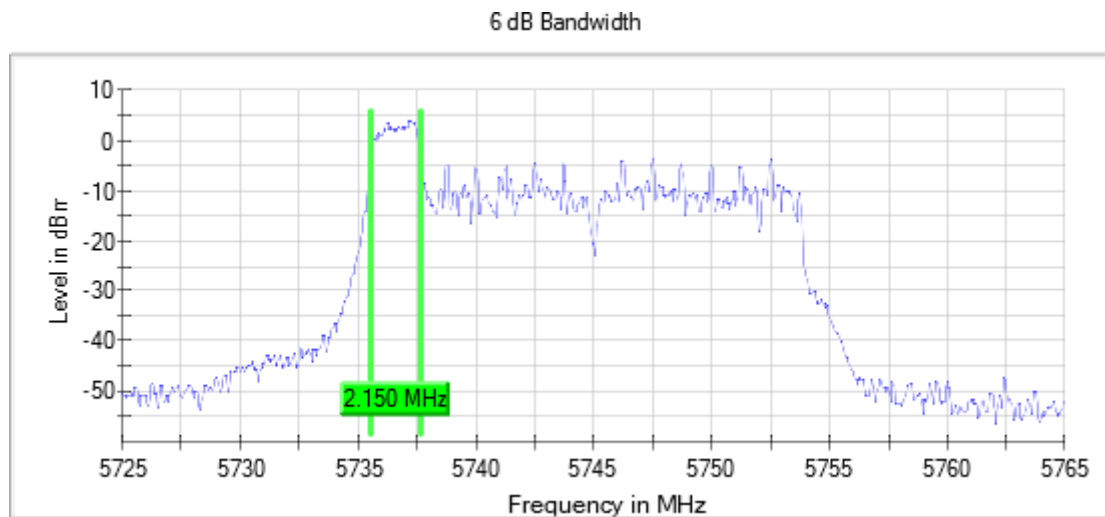
Verdict

Pass

Attachments

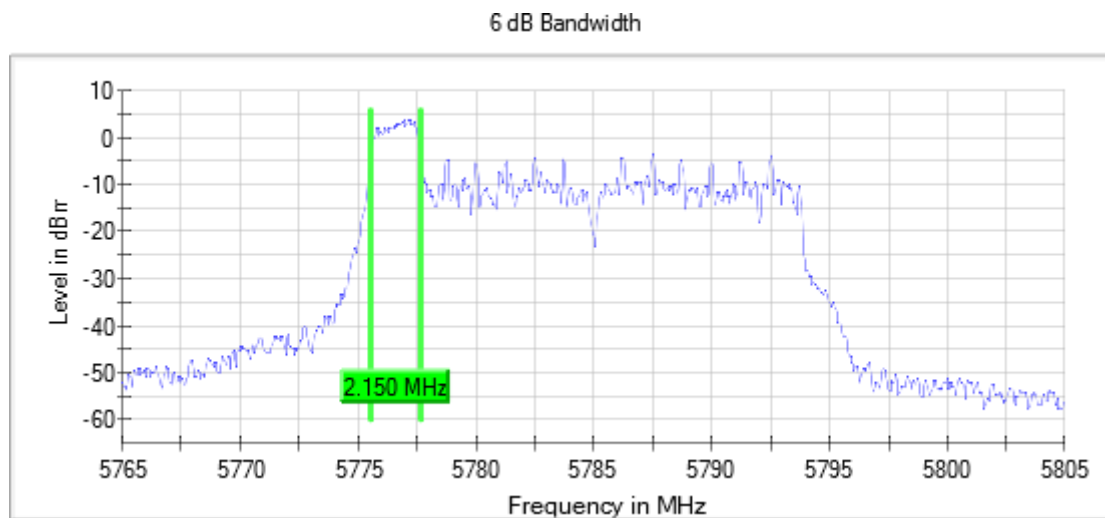
Frequency MHz = 5745.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
Mode = SISO Number of Transmission Chains = 1

Images:



Frequency MHz = 5785.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
Mode = SISO Number of Transmission Chains = 1

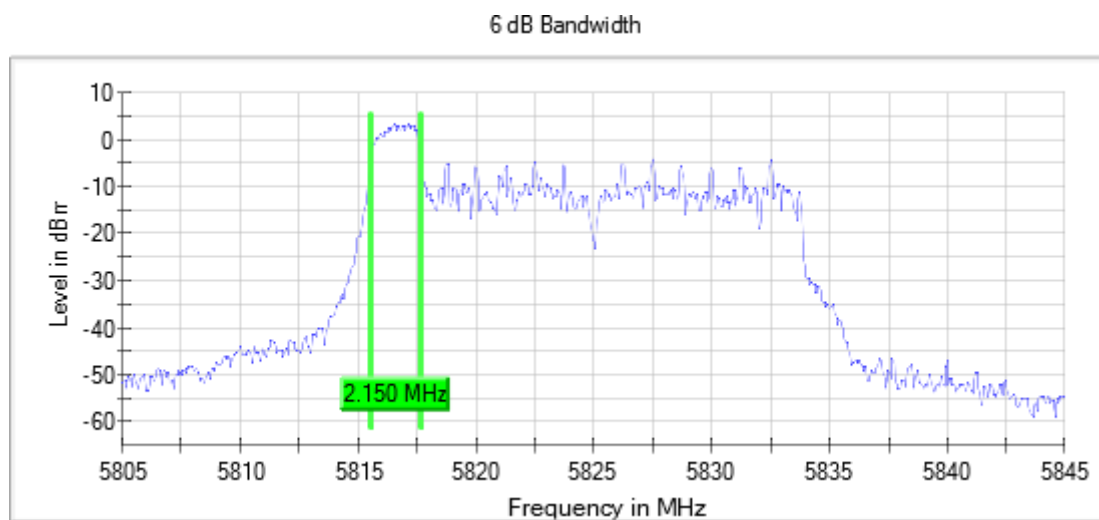
Images:



Frequency MHz = 5825.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

Mode = SISO Number of Transmission Chains = 1

Images:



Mode: SISO
Modulation: 802.11ax HE40 SS1 (OFDMA MCS9) – Partial RU

Results

Freq (MHz)	6dBw (MHz)
5755.00000	2.150
5795.00000	2.150

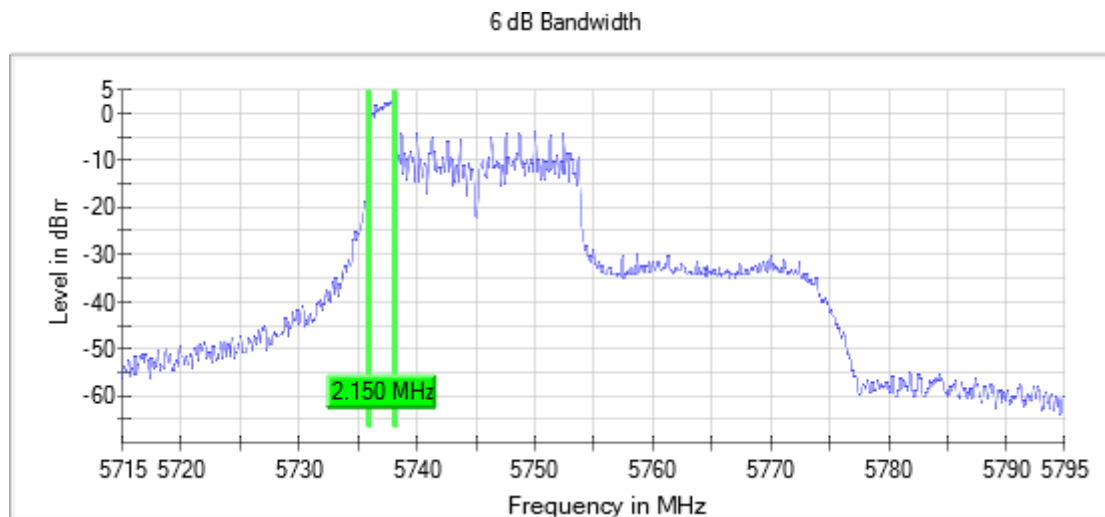
Verdict

Pass

Attachments

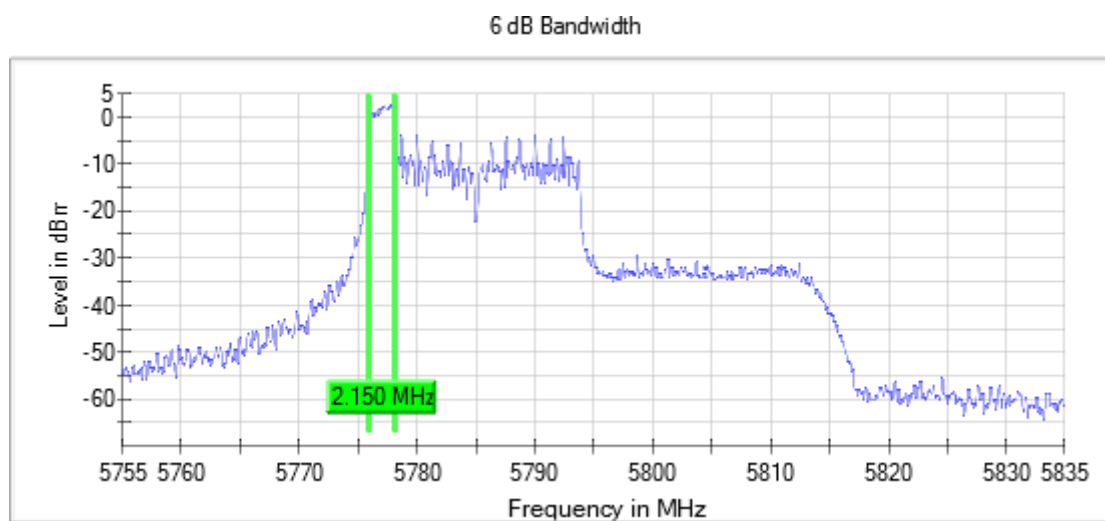
Frequency MHz = 5755.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Number of Transmission Chains = 1

Images:



Frequency MHz = 5795.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Mode = SISO Number of Transmission Chains = 1

Images:



Mode: SISO
Modulation: 802.11ax HE80 SS1 (OFDMA MCS11) – Partial RU

Results

Freq (MHz)	6dBw (MHz)
5775.00000	2.100

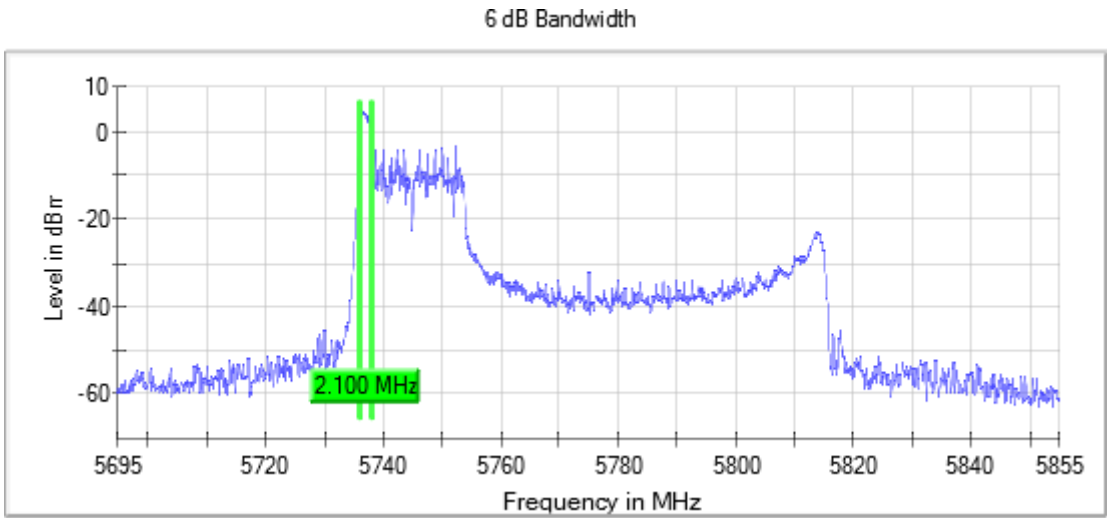
Verdict

Pass

Attachments

Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Mode = SISO Number of Transmission Chains = 1

Images:



Appendix B.2: MIMO

Appendix B.2

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<i>FCC 15.407 (a) / RSS-247 6.2 Power Limits. Maximum Output Power</i>	<i>478</i>
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<i>FCC 2.1049 / RSS-Gen 6.7 99% Occupied Bandwidth</i>	<i>833</i>
<i>FCC 15.403 / RSS-Gen 6.7 26 dB Emission Bandwidth</i>	<i>954</i>
<i>FCC 15.407 (b) / RSS-247 6.2 Band-edge Conducted Emissions</i>	<i>1077</i>
<i>FCC 15.407 (e) / RSS-247 6.2.4.1 6 dB Emission Bandwidth</i>	<i>1184</i>
<i>FCC 15.407 (b), 15.205 & 15.209 / RSS-Gen 8.9 & 8.10 Undesirable radiated emissions</i>	<i>1197</i>

TEST CONDITIONS

(*): Data provided by the client.

TEST CONDITIONS	DESCRIPTION
TC#01 ⁽¹⁾ (3) (a mode)	<u>Power supply (V):</u> $V_{\text{nominal}} = 12 \text{ Vdc}$ <u>Channel Bandwidth:</u> 20 MHz <u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u> <u>UNII-1</u> Lowest channel: 5180 MHz <u>UNII-2A:</u> Lowest channel: 5260 MHz Middle channel: 5280 MHz Highest channel: 5320 MHz <u>UNII-2C:</u> Lowest channel: 5500 MHz Middle channel: 5580 MHz Highest channel: 5700 MHz <u>UNII-3</u> Lowest channel: 5745 MHz
TC#02 ⁽¹⁾ (3) (n mode)	<u>Power supply (V):</u> $V_{\text{nominal}} = 12 \text{ Vdc}$ <u>Channel Bandwidth:</u> 20 MHz <u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u> <u>UNII-1</u> Lowest channel: 5180 MHz <u>UNII-2A:</u> Lowest channel: 5260 MHz Middle channel: 5280 MHz Highest channel: 5320 MHz <u>UNII-2C:</u> Lowest channel: 5500 MHz Middle channel: 5580 MHz Highest channel: 5700 MHz <u>UNII-3</u> Lowest channel: 5745 MHz

	<u>Channel Bandwidth:</u> 40 MHz <u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u> <u>UNII-1</u> Lowest channel: 5190 MHz <u>UNII-2A:</u> Lowest channel: 5270 MHz Highest channel: 5310 MHz <u>UNII-2C:</u> Lowest channel: 5510 MHz Middle channel: 5550 MHz Highest channel: 5670 MHz <u>UNII-3</u> Lowest channel: 5745 MHz
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TEST CONDITIONS	DESCRIPTION
TC#03 ^{(1) (3)} (ac mode non-beam forming)	<u>Power supply (V):</u> $V_{\text{nominal}} = 12 \text{ Vdc}$ <u>Channel Bandwidth:</u> 20 MHz <u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u> <u>UNII-1</u> Lowest channel: 5180 MHz <u>UNII-2A:</u> Lowest channel: 5260 MHz Middle channel: 5280 MHz Highest channel: 5320 MHz <u>UNII-2C:</u> Lowest channel: 5500 MHz Middle channel: 5580 MHz Highest channel: 5700 MHz <u>UNII-3</u> Lowest channel: 5745 MHz <u>Channel Bandwidth:</u> 40 MHz <u>Test Frequencies for Conducted/Radiated tests: (Radio A, RADIO A+B)</u> <u>UNII-1</u> Lowest channel: 5190 MHz

	<u>UNII-2A:</u> Lowest channel: 5270 MHz Highest channel: 5310 MHz <u>UNII-2C:</u> Lowest channel: 5510 MHz Middle channel: 5550 MHz Highest channel: 5670 MHz <u>UNII-3</u> Lowest channel: 5755 MHz <u>Channel Bandwidth:</u> 80 MHz <u>Test Frequencies for Conducted/Radiated tests: (Radio A, RADIO A+B)</u> <u>UNII-1</u> Lowest channel: 5210 MHz <u>UNII-2A:</u> Lowest channel: 5290 MHz <u>UNII-2C:</u> Lowest channel: 5530 MHz Highest channel: 5610 MHz <u>UNII-3</u> Lowest channel: 5775 MHz
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TEST CONDITIONS	DESCRIPTION
TC#04 ⁽¹⁾⁽²⁾ (ax mode non-beam forming)	<u>Power supply (V):</u> $V_{\text{nominal}} = 12 \text{ Vdc}$ <u>Channel Bandwidth: 20 MHz</u> <u>Test Frequencies for Conducted tests: (RADIO A+B)</u> <u>UNII-1:</u> Lowest range: 5180 MHz Middle channel: 5200 MHz Highest range: 5240 MHz <u>UNII-2A:</u> Lowest channel: 5260 MHz Middle channel: 5280 MHz Highest channel: 5320 MHz <u>UNII-2C:</u> Lowest channel: 5500 MHz Middle channel: 5580 MHz Highest channel: 5700 MHz <u>UNII-3:</u> Lowest range: 5745 MHz Middle channel: 5785 MHz Highest range: 5825 MHz
	<u>Channel Bandwidth: 40 MHz</u> <u>Test Frequencies for Conducted tests: (RADIO A+B)</u> <u>UNII-1:</u> Lowest channel: 5190 MHz Highest channel: 5230 MHz <u>UNII-2A:</u> Lowest channel: 5270 MHz Highest channel: 5310 MHz <u>UNII-2C:</u> Lowest channel: 5510 MHz Middle channel: 5550 MHz Highest channel: 5670 MHz <u>UNII-3:</u> Lowest channel: 5755 MHz Highest channel: 5795 MHz
	<u>Channel Bandwidth: 80 MHz</u> <u>Test Frequencies for Conducted tests: (RADIO A+B)</u> <u>UNII-1:</u> Lowest channel: 5210 MHz <u>UNII-2A:</u> Lowest channel: 5290 MHz <u>UNII-2C:</u> Lowest channel: 5530 MHz Highest channel: 5610 MHz <u>UNII-3:</u> Lowest channel: 5775 MHz

TEST CONDITIONS	DESCRIPTION
TC#05 ⁽¹⁾ (ac mode beam forming)	<u>Power supply (V):</u> $V_{\text{nominal}} = 12 \text{ Vdc}$
	<u>Channel Bandwidth: 20 MHz</u>
	<u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u>
	<u>UNII-2A:</u> Lowest channel: 5260 MHz Middle channel: 5280 MHz Highest channel: 5320 MHz
	<u>UNII-2C:</u> Lowest channel: 5500 MHz Middle channel: 5580 MHz Highest channel: 5700 MHz
	<u>Channel Bandwidth: 40 MHz</u>
	<u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u>
	<u>UNII-2A:</u> Lowest channel: 5270 MHz Highest channel: 5310 MHz
	<u>UNII-2C:</u> Lowest channel: 5510 MHz Middle channel: 5550 MHz Highest channel: 5670 MHz
	<u>Channel Bandwidth: 80 MHz</u>
	<u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u>
	<u>UNII-2A:</u> Lowest channel: 5290 MHz
	<u>UNII-2C:</u> Lowest channel: 5530 MHz Highest channel: 5610 MHz

TEST CONDITIONS	DESCRIPTION
TC#06⁽¹⁾ (ax mode beam-forming)	<u>Power supply (V):</u> $V_{\text{nominal}} = 12 \text{ Vdc}$ <u>Channel Bandwidth:</u> 20 MHz <u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u> <u>UNII-2A:</u> Lowest channel: 5260 MHz Middle channel: 5280 MHz Highest channel: 5320 MHz <u>UNII-2C:</u> Lowest channel: 5500 MHz Middle channel: 5580 MHz Highest channel: 5700 MHz <u>Channel Bandwidth:</u> 40 MHz <u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u> <u>UNII-2A:</u> Lowest channel: 5270 MHz Highest channel: 5310 MHz <u>UNII-2C:</u> Lowest channel: 5510 MHz Middle channel: 5550 MHz Highest channel: 5670 MHz <u>Channel Bandwidth:</u> 80 MHz <u>Test Frequencies for Conducted/Radiated tests: (RADIO A+B)</u> <u>UNII-2A:</u> Lowest channel: 5290 MHz <u>UNII-2C:</u> Lowest channel: 5530 MHz Highest channel: 5610 MHz

Note (1): The test set-up was made in accordance to the general provisions of FCC Unlicensed National Information Infrastructure (U-NII) Devices 789033 D02 General U-NII Test Procedures New Rules v02r01 dated Dec 14, 2017.

The EUT was tested in the following operating mode:

- Continuously transmitting with a modulated carrier at maximum power in all required channels using the supported data rates/modulation types.
- Preliminary tests for 26 dB and Occupied bandwidth determined the SISO worst case: Port A.

- For spurious emissions for OFDM modes 802.11a, 802.11n20/40, 802.11ac20/40/80, and 11ax20/40/80 a preliminary scan was performed to determine the worst case. The following tables and plots show the results for the worst case in 802.11ac mode.
- The data rates of 54Mb/s for 802.11a, MCS 7 for 802.11n, MCS8 for 802.11ac20 and MCS9 for 802.11ac40/80, MCS8 for ax20, MCS 9 for ax40 and MCS11 for ax80 were selected based on preliminary testing that identified those rates corresponding to the worst cases.
- Test report 3154ERM.010 for UNII 1 and UNII 3 has all modulations except ax mode Resource units, so ax mode Resource unit combinations were tested in this version.
- For all modes, the EUT was configured in test mode using a software application. The application was used to enable a continuous transmission and to select the test channels as required. The client supplied instructions to configure the EUT. The customer supplied a document containing the setup instructions.
- Beamforming mode is only supported with OFDMA Full RU according to manufacturer specifications. Test report 3154ERM.010 has beam forming ac and ax mode UNII 1 and UNII 3 results, so this test report version shows only UNII 2A and UNII 2C beam forming tests.

Note (2): Preliminary measurements determined the PSD levels of partial RU is higher than the full RU in ax mode. Partial RU 26 tone was identified as the worst-case RU (Resource Unit) carrier allocation for all non-beamforming ax mode testing.

The worst-case RU combinations used in the ax mode SISO/MIMO measurement (all test cases except Band Edge testing) for UNII 1 and UNII 3 are indicated as follows:

- 20 MHz BW - RU26 offset 0
- 40 MHz BW - RU26 offset 0
- 80 MHz BW - RU26 offset 0

The worst-case RU combinations used in the ax mode SISO/MIMO measurement (all test cases except Band Edge testing) for UNII 2A and UNII 2C are indicated as follows:

- 20 MHz BW - RU26 offset 8
- 40 MHz BW - RU26 offset 8
- 80 MHz BW - RU26 offset 0

The RU combinations used in the ax mode SISO/MIMO measurement (Band Edge testing) are indicated as follows:

- 20 MHz BW - RU26 offset 0
RU26 offset 8
- 40 MHz BW - RU26 offset 0
RU26 offset 17
- 80 MHz BW - RU26 offset 0
RU26 offset 36

Full RU combinations for ax mode SISO/MIMO measurement (all test cases) are indicated as follows:

- 20 MHz BW – RU242 offset 61
- 40 MHz BW – RU484 offset 65
- 80 MHz BW – RU996 offset 67

Note (3): For Maximum Output Power for OFDM modes 802.11a, 802.11n20/40 and 802.11ac20/40/80 a preliminary scan was performed to determine the degradation of the performance. The test results shown are the worst case. See below the comparison table between original test results (test report 3154ERM.010) and test results with the new sample shown in this test report:

Mode	Bandwidth (MHz)	Frequency (MHz)	Maximum conducted power (dBm)		Delta
			Before (test report 3154ERM.010)	Now	
a	20	5180	14.9	15.0	-0.1
		5745	8.5	8.7	-0.2
n	20	5180	14.0	14.0	0.0
		5745	8.7	8.6	0.1
n	40	5190	13.6	13.8	-0.2
		5755	11.2	10.4	0.7
ac	20	5180	15.7	15.7	0.0
		5745	8.5	8.5	0.0
ac	40	5190	15.7	14.3	1.4
		5755	10.2	10.5	-0.3
ac	80	5210	12.6	13.0	-0.4
		5775	12.1	11.7	0.4

ax mode was tested in full.

Directional Antenna Gain Calculations for CDD MIMO In-Band Measurements:

For 2Tx CDD 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:
 $\text{Directional gain}_{\text{PSD}} = G_{\text{ANT}} + 10 \log(N_{\text{ANT}}/N_{\text{SS}}) \text{ dBi}$
 $N_{\text{SS}} = 1 \text{ (worst case)}, N_{\text{ANT}} = 2, G_{\text{ANT}} = -2.8 \text{ dBi}$
 $\text{Directional gain}_{\text{PSD}} = 2 + 10 \log(2/1) = 2 + 10 \log(2) = -2.8 + 3.01 = + 0.21 \text{ dBi}$

PSD Antenna Gain MIMO Chain 0 & 1: + 0.21 dBi

- For power measurements:

Directional gain_{POWER} = G_{ANT} dBi (N_{ANT} < 4)

Directional gain_{POWER} = G_{ANT} = - 2.8 dBi

Power Antenna Gain MIMO Chain 0 & 1: - 2.8 dBi

TEST CASES DETAILS

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

Limits

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. In addition, 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 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.

Antenna gain: -2.8 dBi
Mode: MIMO CCD Mode 2x2
Modulation: 802.11a (OFDM 54 Mbit/s)

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5180.00000	15.0	12.6
5700.00000	8.7	5.9

Verdict

Pass

Mode: MIMO CCD Mode 2x2
Modulation: 802.11a (OFDM 54 Mbit/s)

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5260.00000	15.4	12.6
5280.00000	15.7	12.9
5320.00000	15.4	12.6
5500.00000	11.5	8.7
5580.00000	12.2	9.4
5700.00000	12.6	9.8

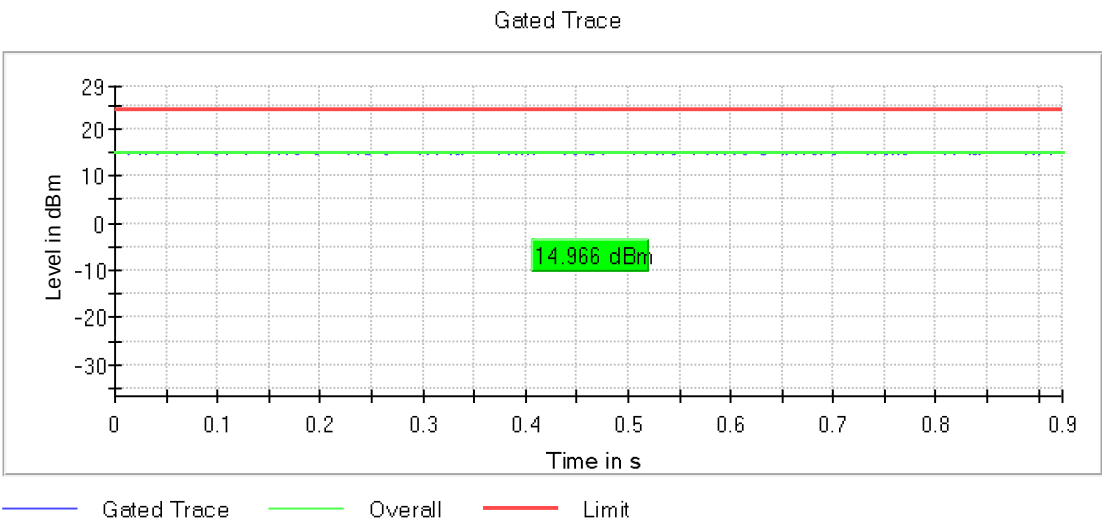
Verdict

Pass

Attachments

Frequency MHz = 5180.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



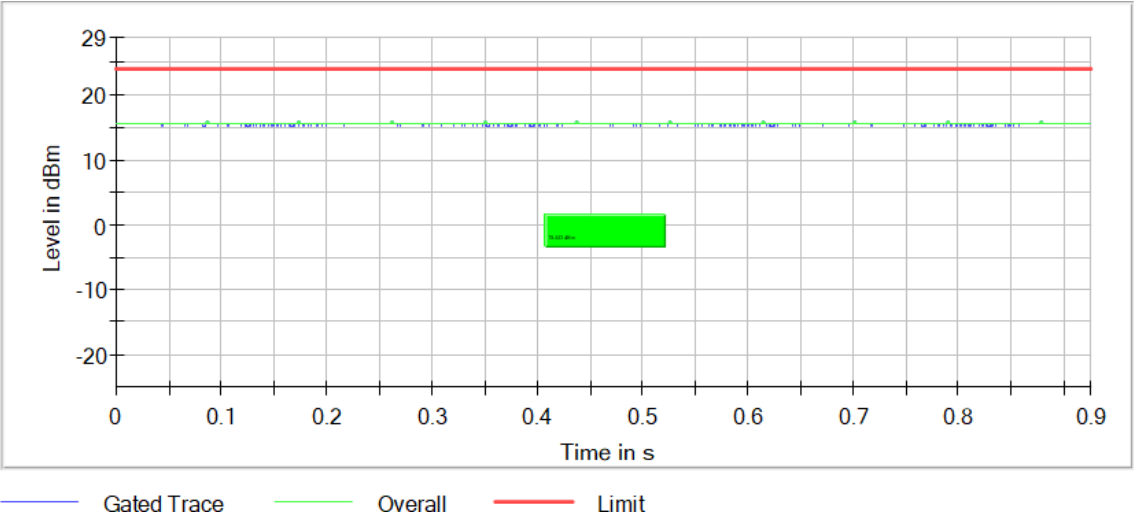
Tables:

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

Frequency MHz = 5260.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

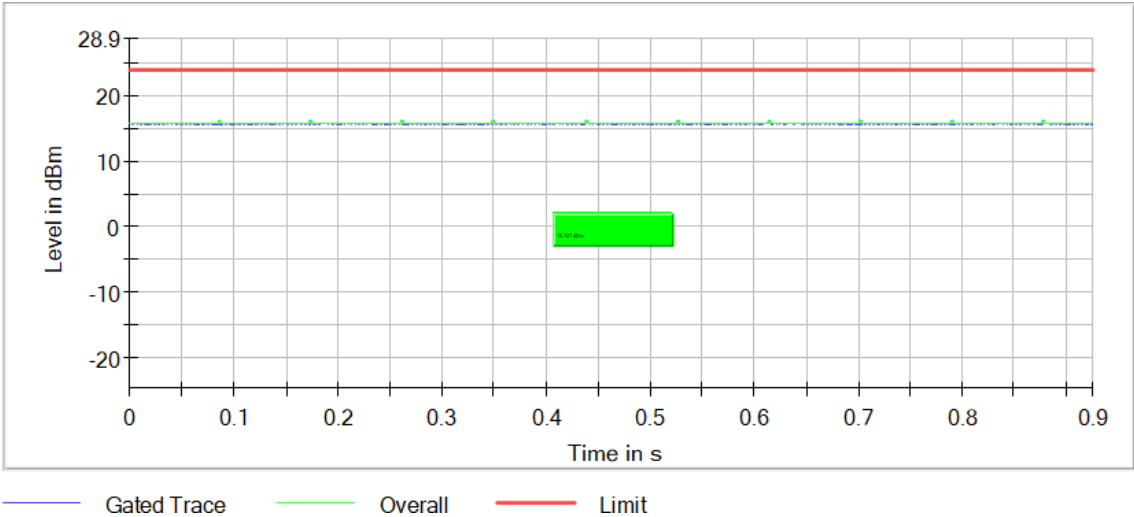


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5280.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

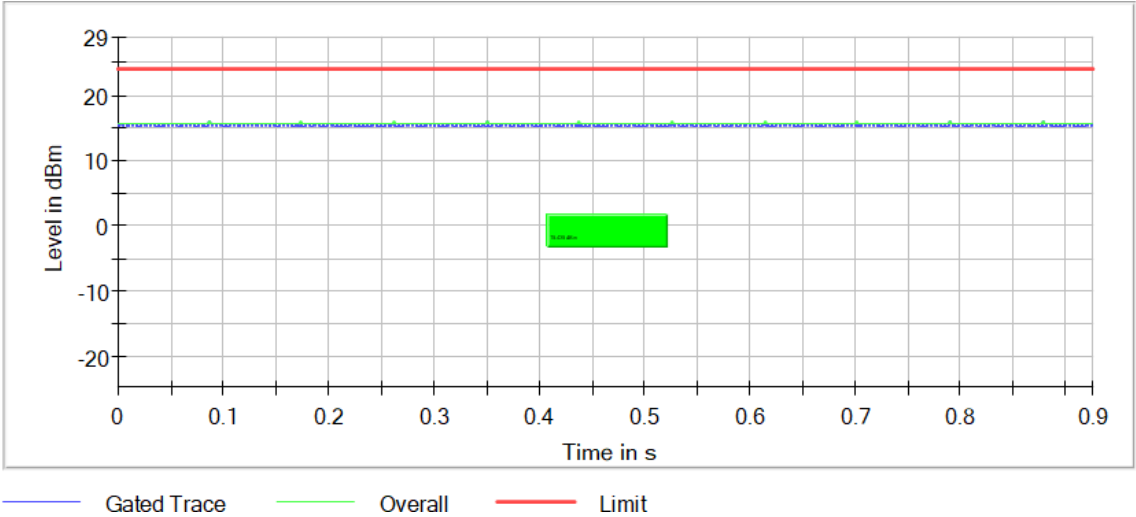


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5320.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

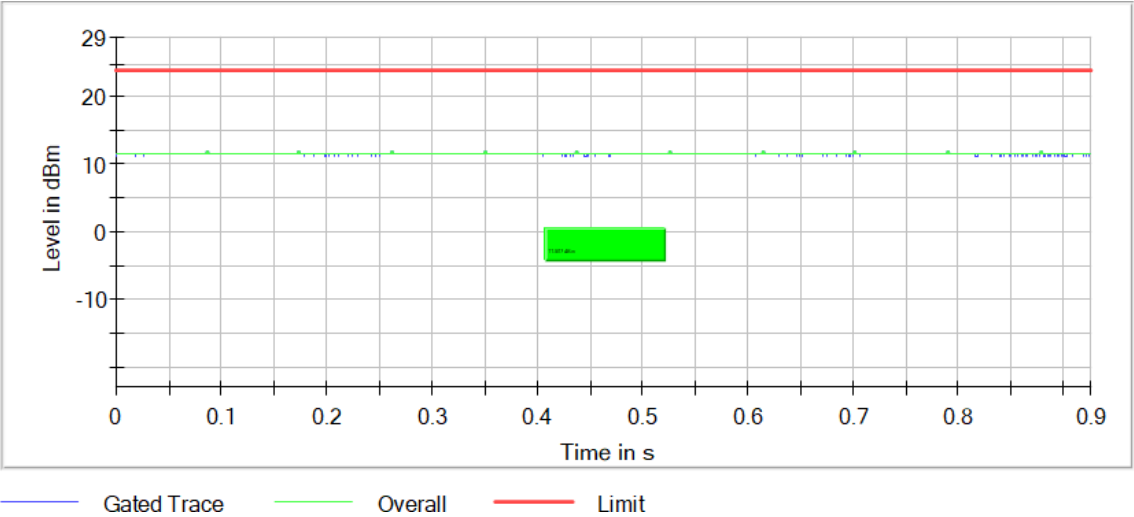


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5500.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



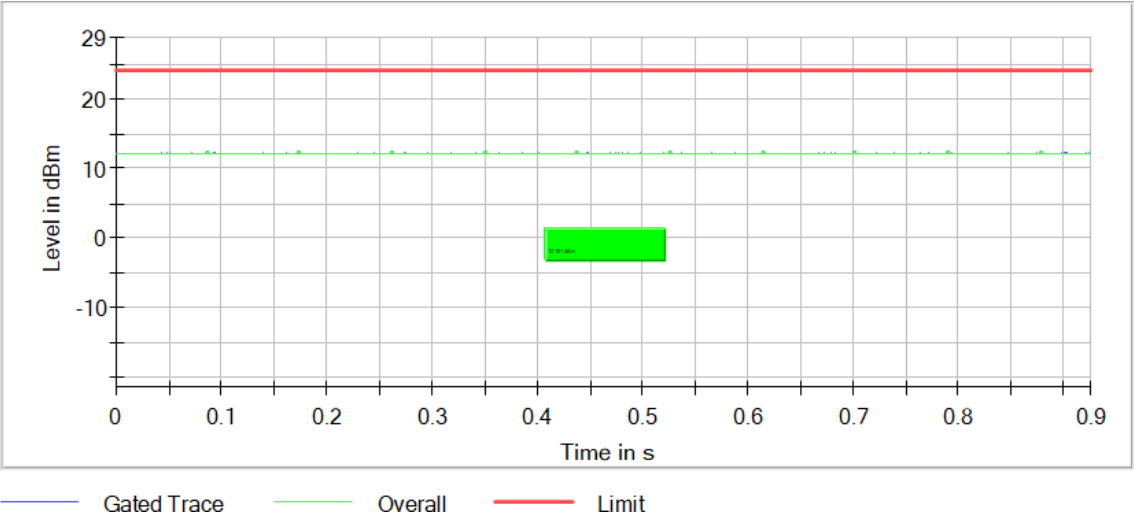
Tables:

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

Frequency MHz = 5580.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



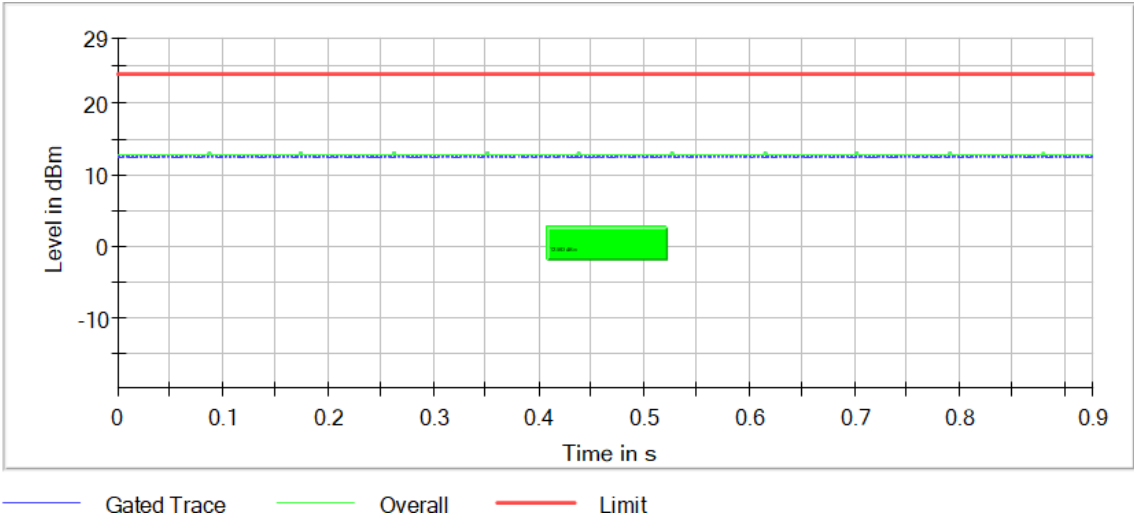
Tables:

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

Frequency MHz = 5700.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



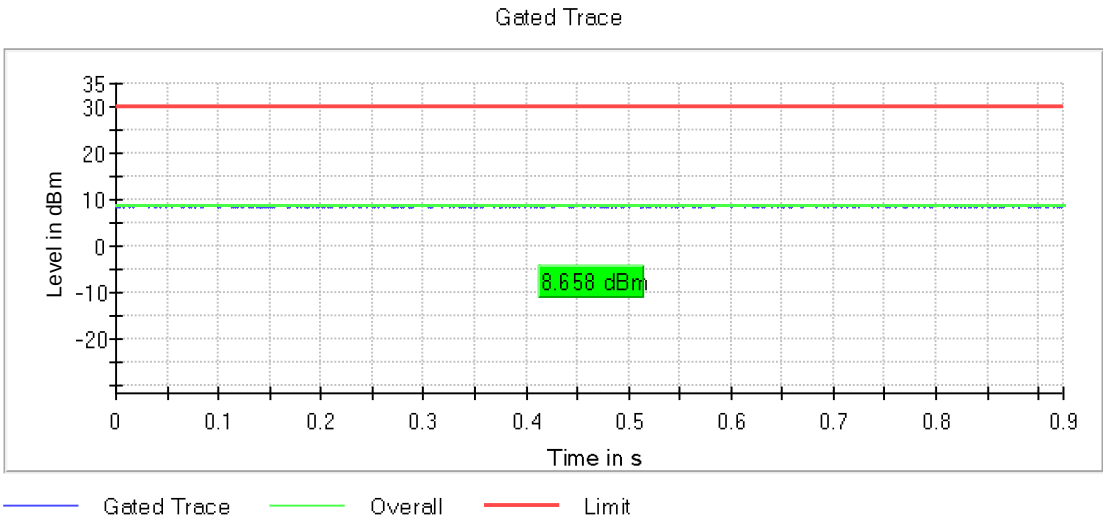
Tables:

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

Frequency MHz = 5745.00000 Modulation = 802.11a (OFDM 54 Mbit/s)
TPC = No 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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2
Modulation: 802.11n HT20 (OFDM MCS7)

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5180.00000	14.0	11.2
5745.00000	8.6	5.8

Verdict

Pass

Mode: MIMO CCD Mode 2x2
Modulation: 802.11n HT20 (OFDM MCS7)

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5260.00000	13.3	10.5
5280.00000	13.6	10.8
5320.00000	13.4	10.6
5500.00000	10.5	7.7
5580.00000	11.1	8.3
5700.00000	11.5	8.7

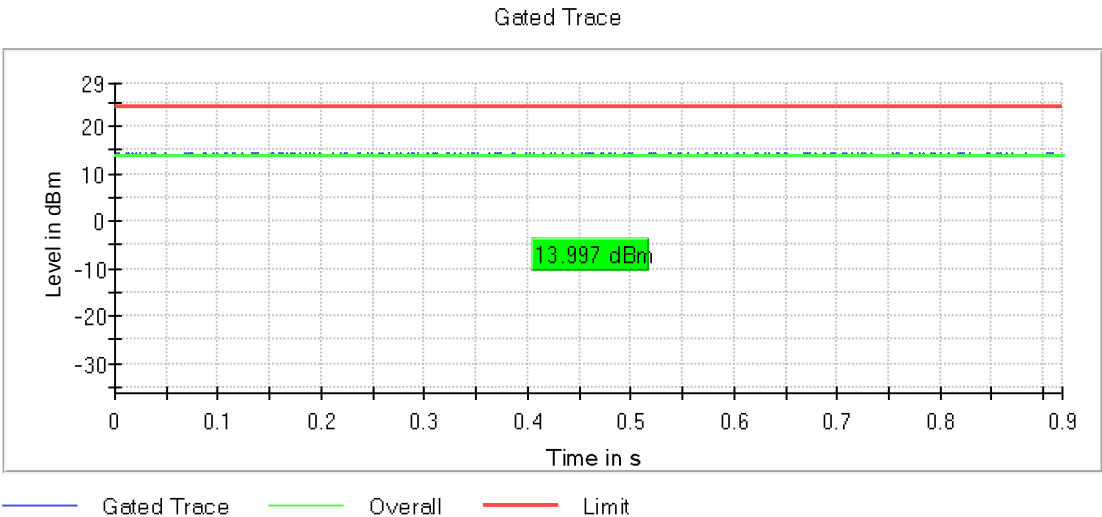
Verdict

Pass

Attachments

Frequency MHz = 5180.00000 Modulation = 802.11n HT20 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



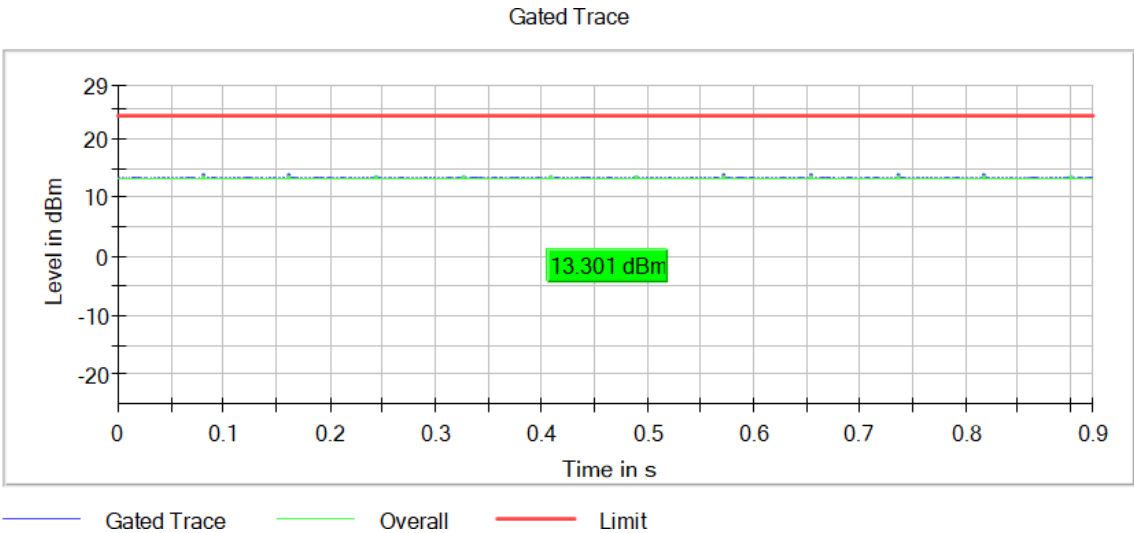
Tables:

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

Frequency MHz = 5260.00000 Modulation = 802.11n HT20 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

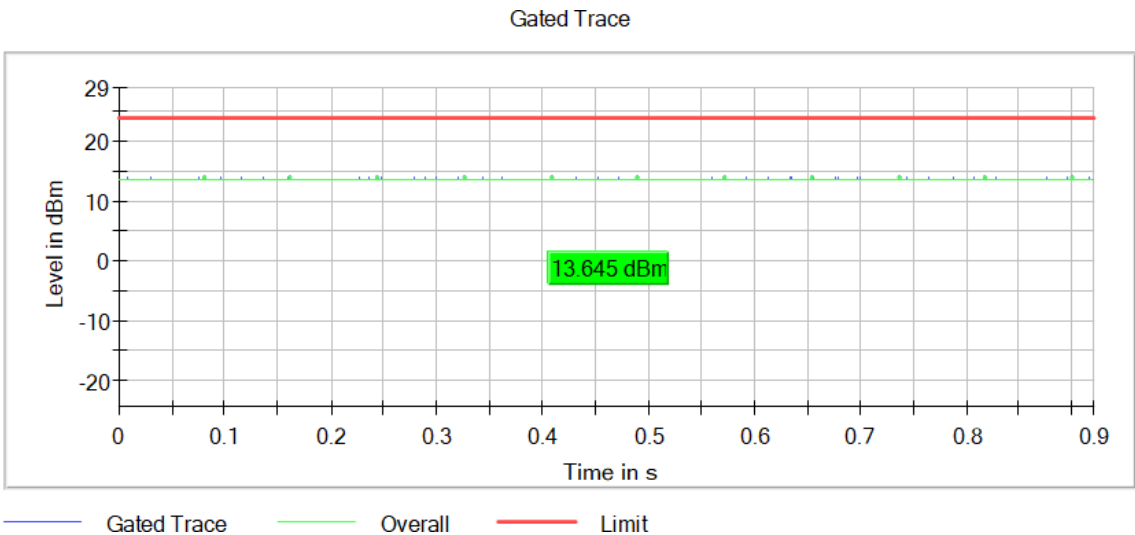


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5280.00000 Modulation = 802.11n HT20 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

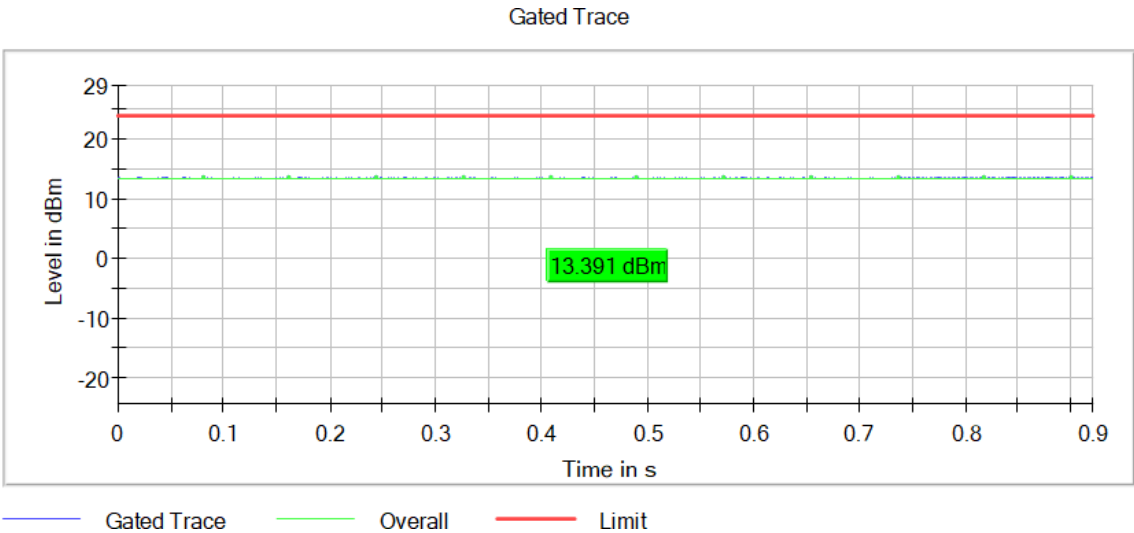


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5320.00000 Modulation = 802.11n HT20 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

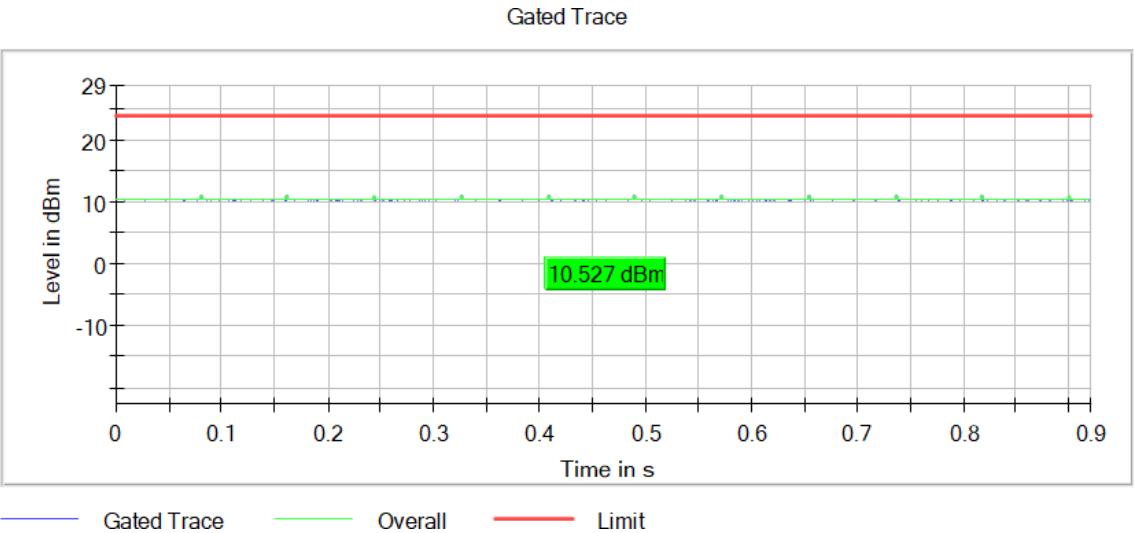


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5500.00000 Modulation = 802.11n HT20 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

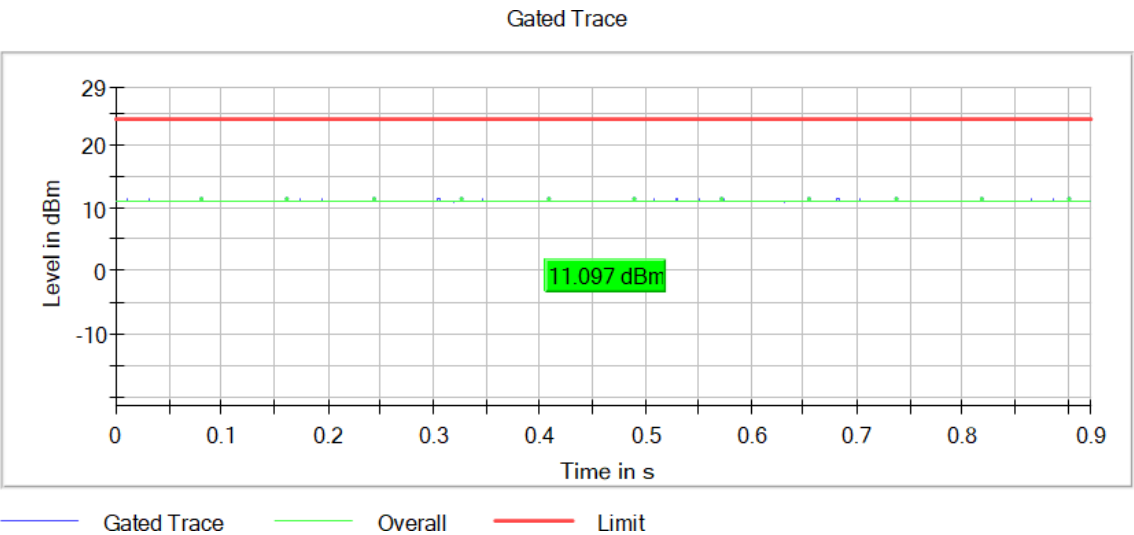


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5580.00000 Modulation = 802.11n HT20 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

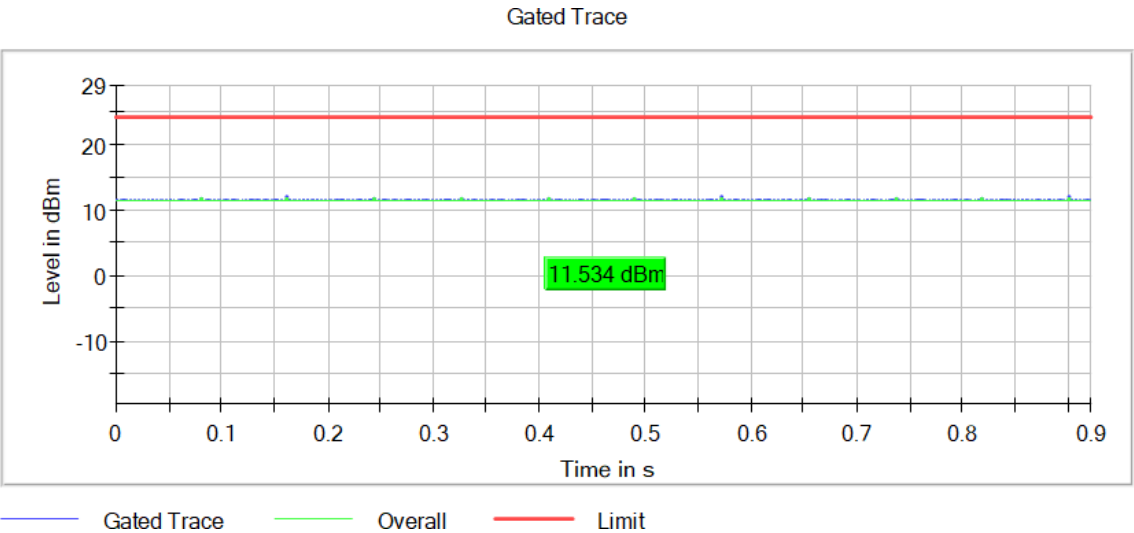


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5700.00000 Modulation = 802.11n HT20 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

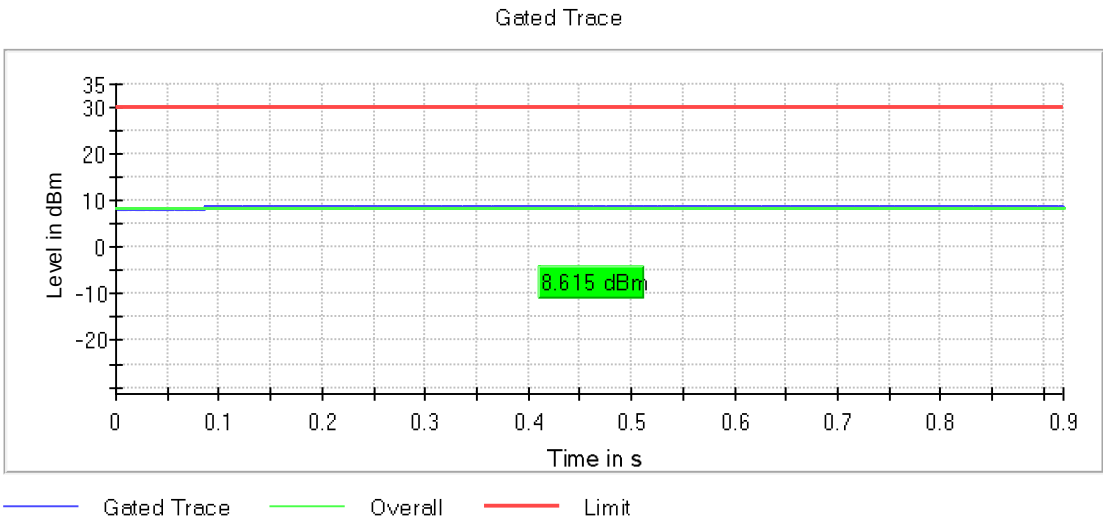


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5745.00000 Modulation = 802.11n HT20 (OFDM MCS7)
TPC = No 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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11n HT40 (OFDM MCS7)

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5190.00000	13.8	11.0
5755.00000	10.4	7.6

Verdict

Pass

Mode: MIMO CCD Mode 2x2

Modulation: 802.11n HT40 (OFDM MCS7)

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5270.00000	13.3	10.5
5310.00000	13.3	10.5
5510.00000	12.5	9.7
5550.00000	13.0	10.2
5670.00000	10.6	7.8

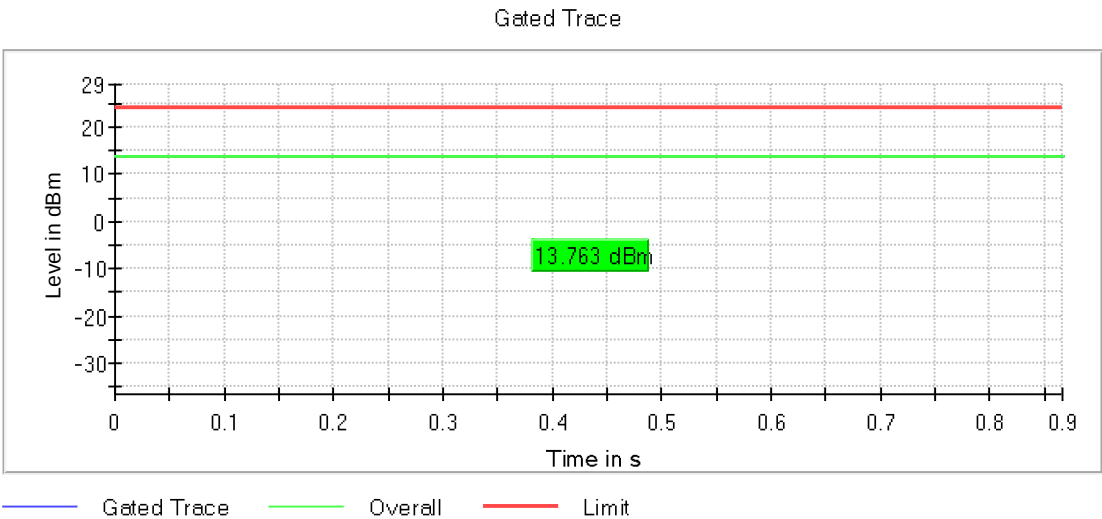
Verdict

Pass

Attachments

Frequency MHz = 5190.00000 Modulation = 802.11n HT40 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



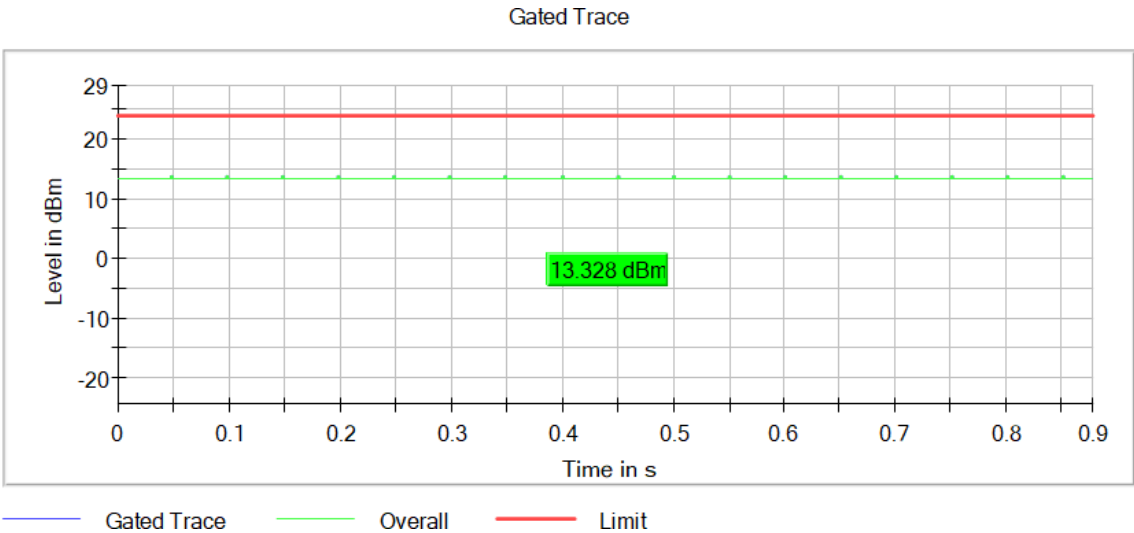
Tables:

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

Frequency MHz = 5270.00000 Modulation = 802.11n HT40 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

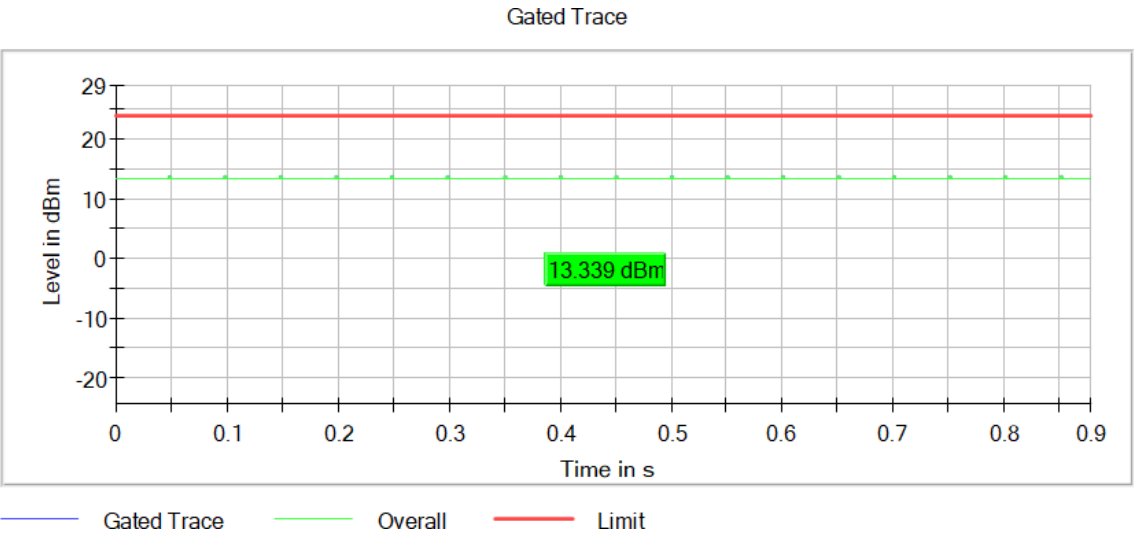


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5310.00000 Modulation = 802.11n HT40 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

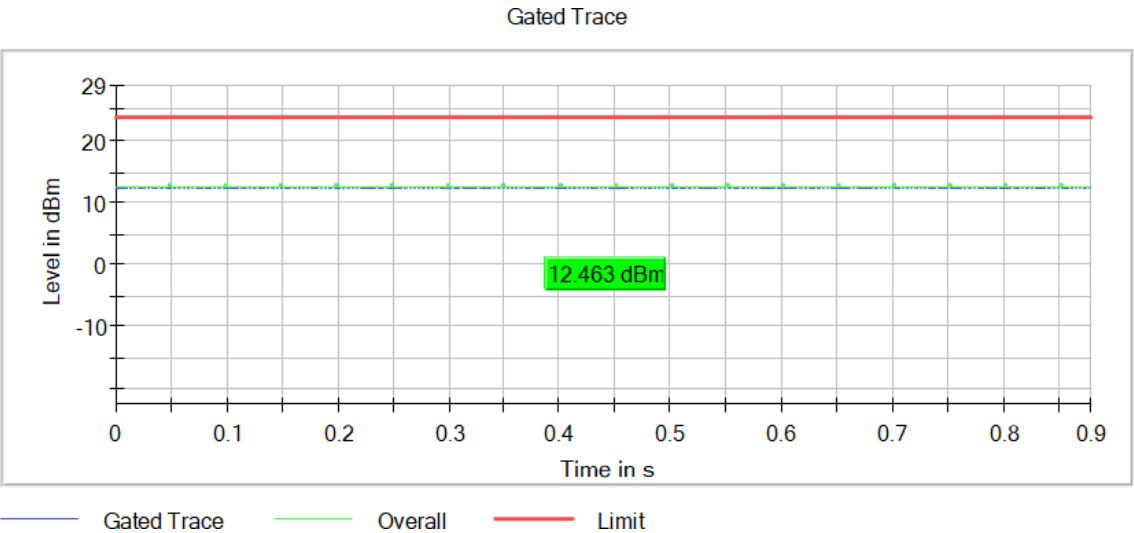


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5510.00000 Modulation = 802.11n HT40 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



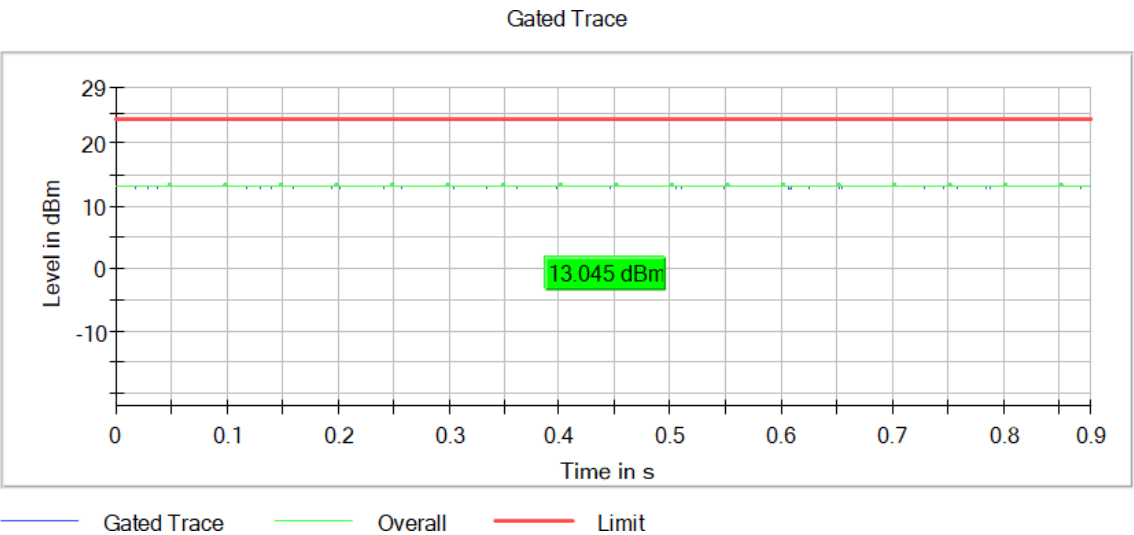
Tables:

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

Frequency MHz = 5550.00000 Modulation = 802.11n HT40 (OFDM MCS7)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

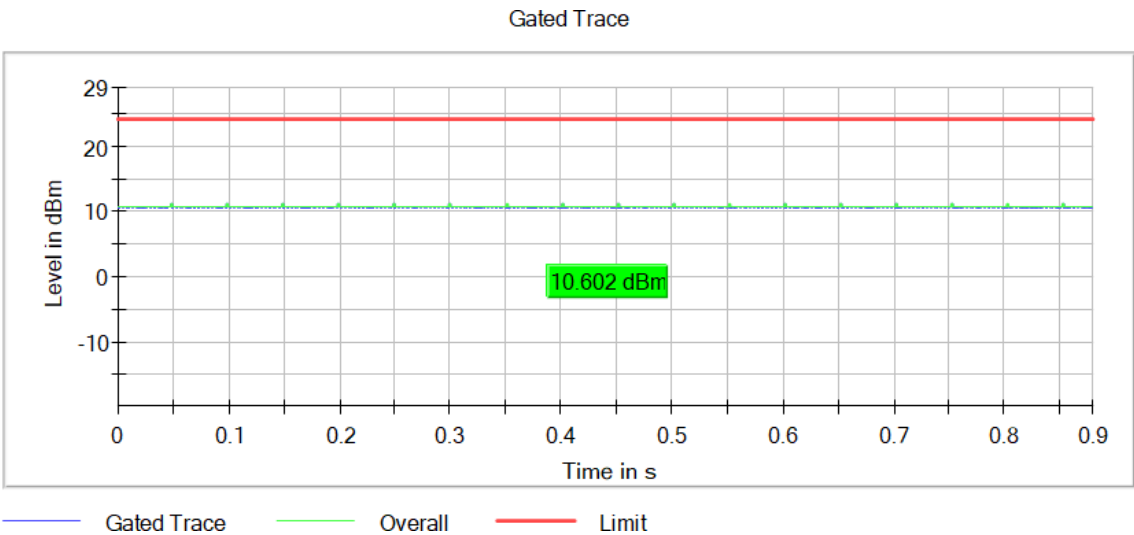


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5670.00000 Modulation = 802.11n HT40 (OFDM MCS7)
TPC = No 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

Frequency MHz = 5755.00000 Modulation = 802.11n HT40 (OFDM MCS7)
TPC = No 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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT20 SS1 (OFDM MCS8) non-beam forming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5180.00000	15.7	12.9
5745.00000	8.5	5.7

Verdict

Pass

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT20 SS1 (OFDM MCS8) non-beam forming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5260.00000	15.4	12.6
5280.00000	15.7	12.9
5320.00000	15.7	12.9
5500.00000	11.2	8.4
5580.00000	11.9	9.1
5700.00000	12.4	9.6

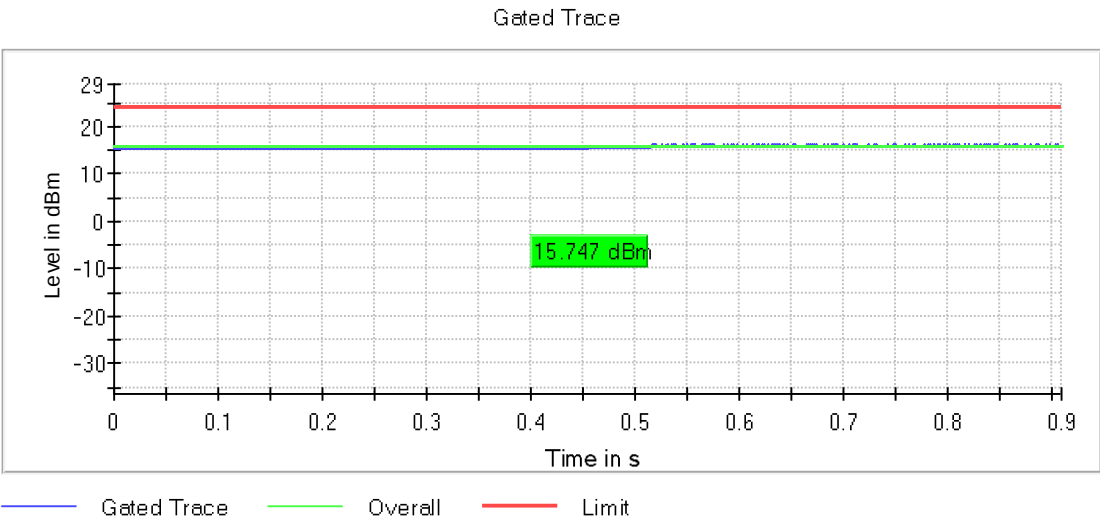
Verdict

Pass

Attachments

Frequency MHz = 5180.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



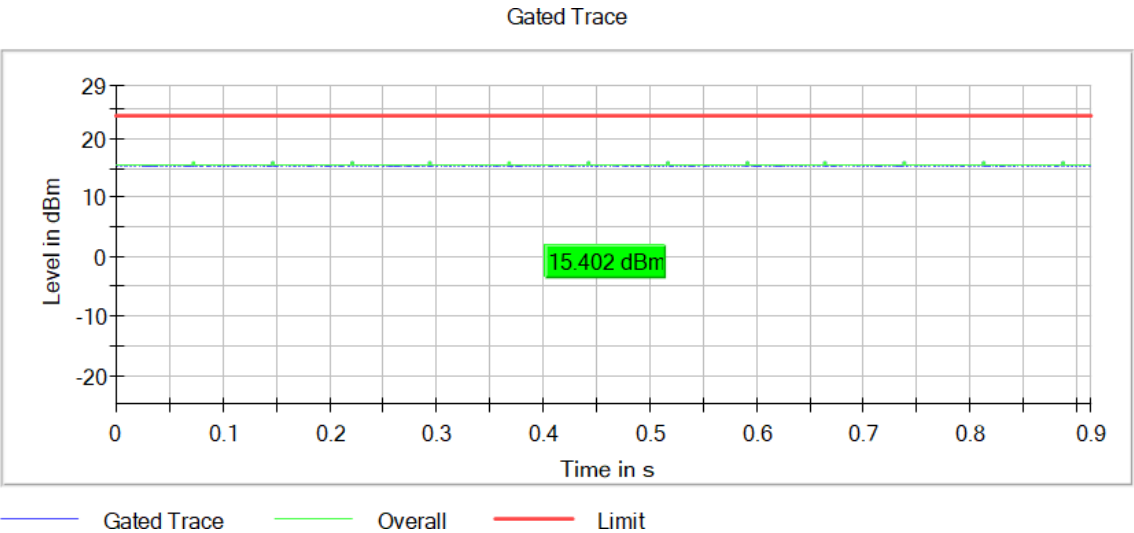
Tables:

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

Frequency MHz = 5260.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



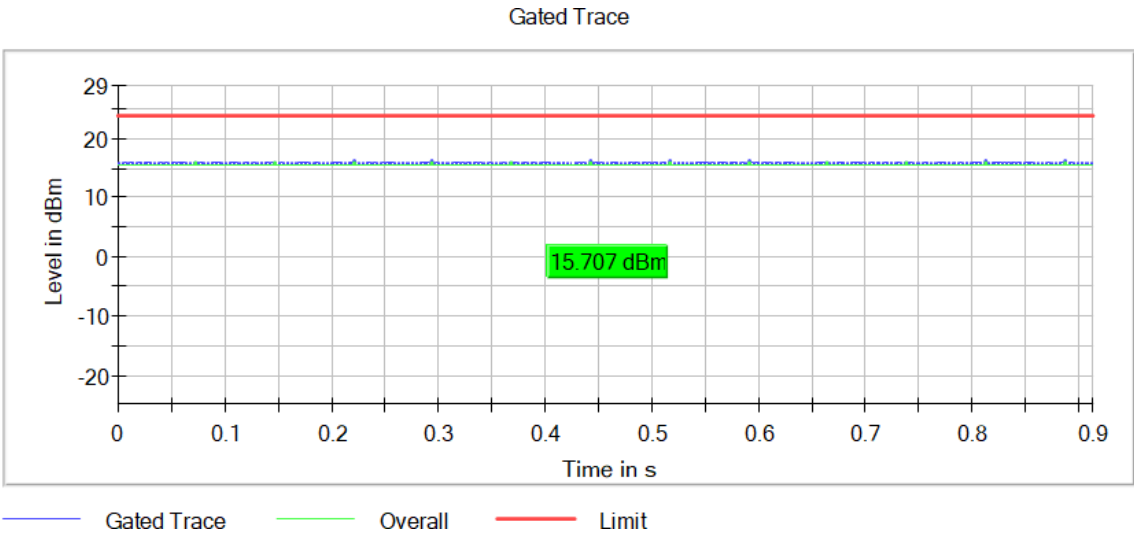
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Spectrum Analyzer Parameters

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

Frequency MHz = 5280.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

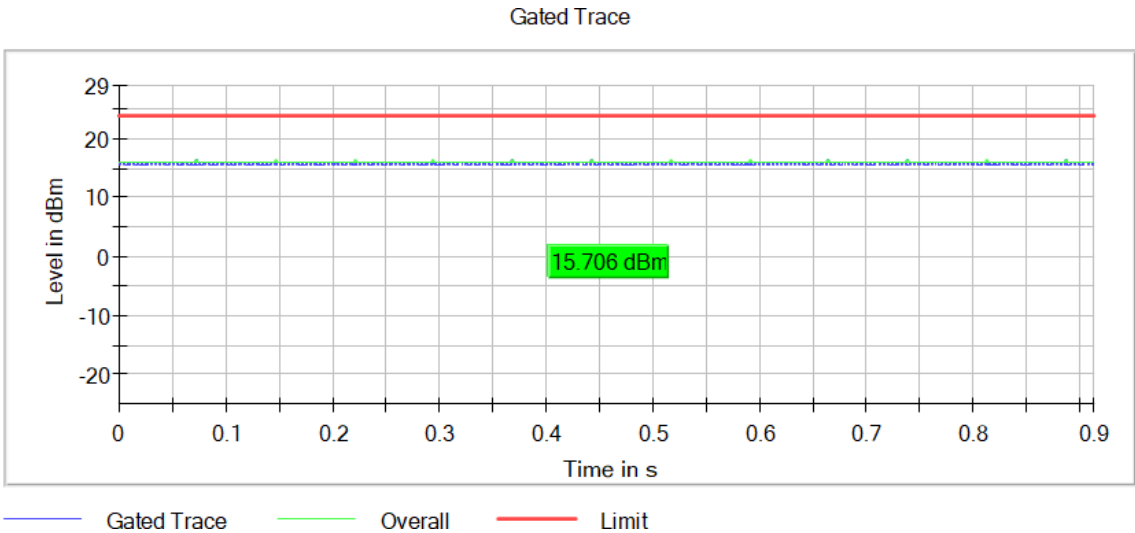


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5320.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

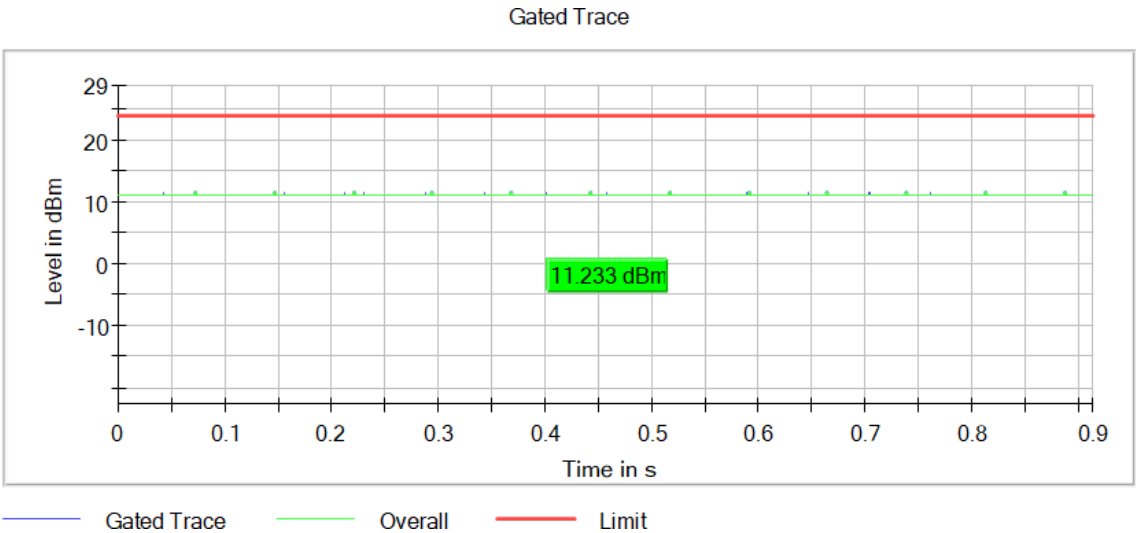


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5500.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



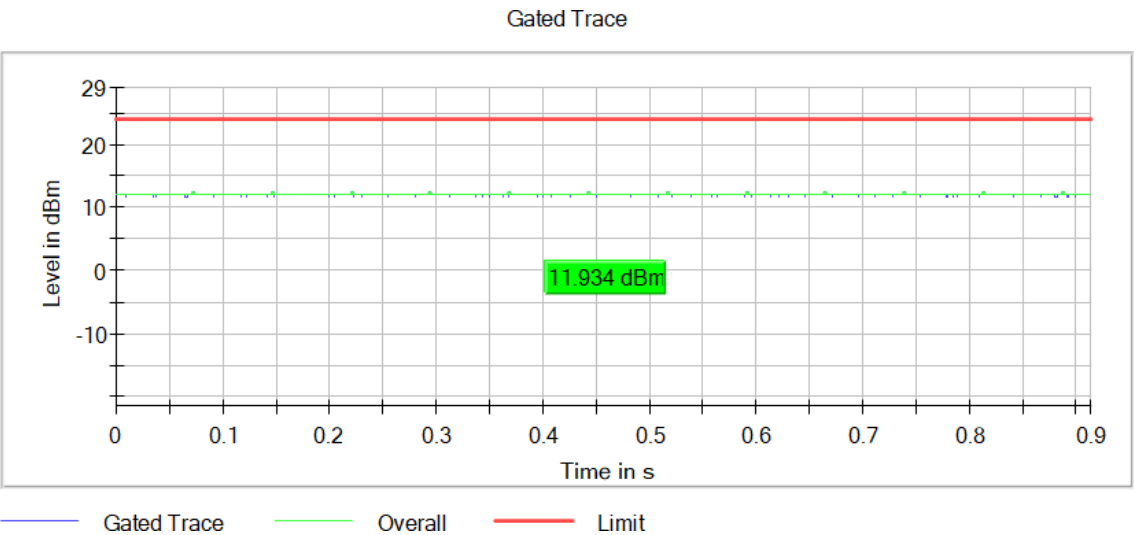
Tables:

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

Frequency MHz = 5580.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



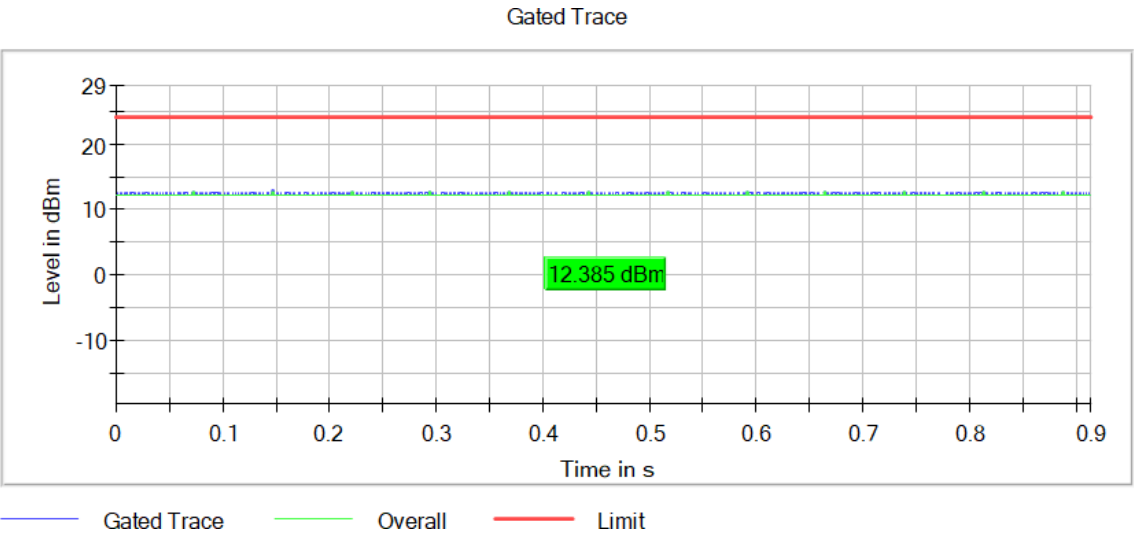
Tables:

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

Frequency MHz = 5700.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

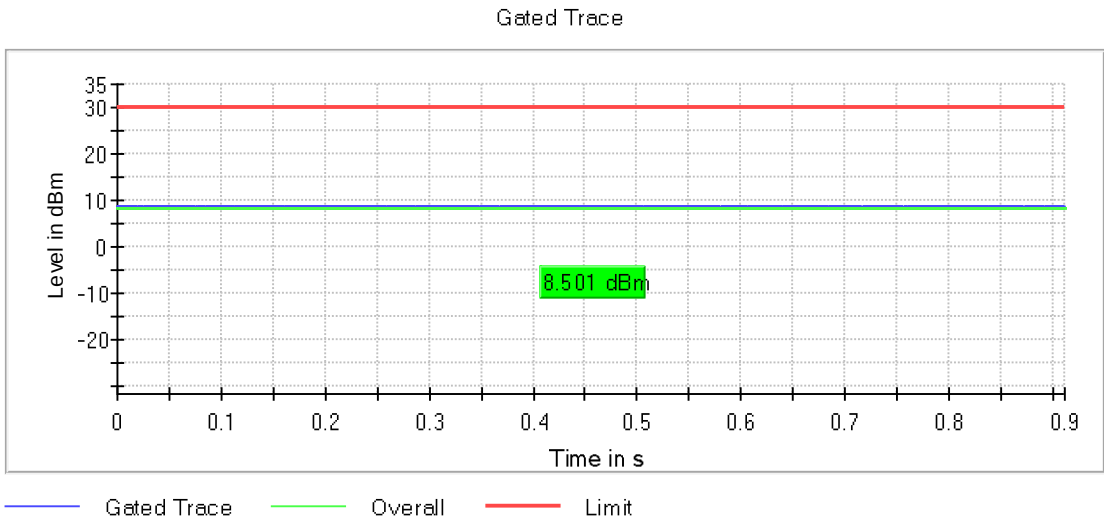


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5745.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)
TPC = No 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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT40 SS1 (OFDM MCS9) non-beam forming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5190.00000	14.3	11.5
5755.00000	10.5	7.7

Verdict

Pass

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT40 SS1 (OFDM MCS9) non-beam forming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5270.00000	15.5	12.7
5310.00000	15.4	12.6
5510.00000	11.4	8.6
5550.00000	11.4	8.6
5670.00000	9.8	7.0

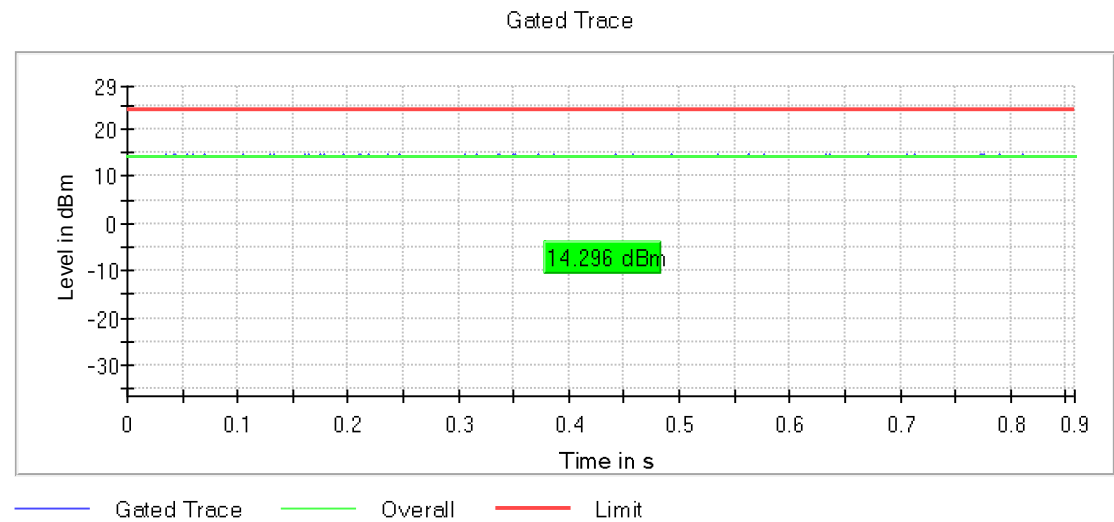
Verdict

Pass

Attachments

Frequency MHz = 5190.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



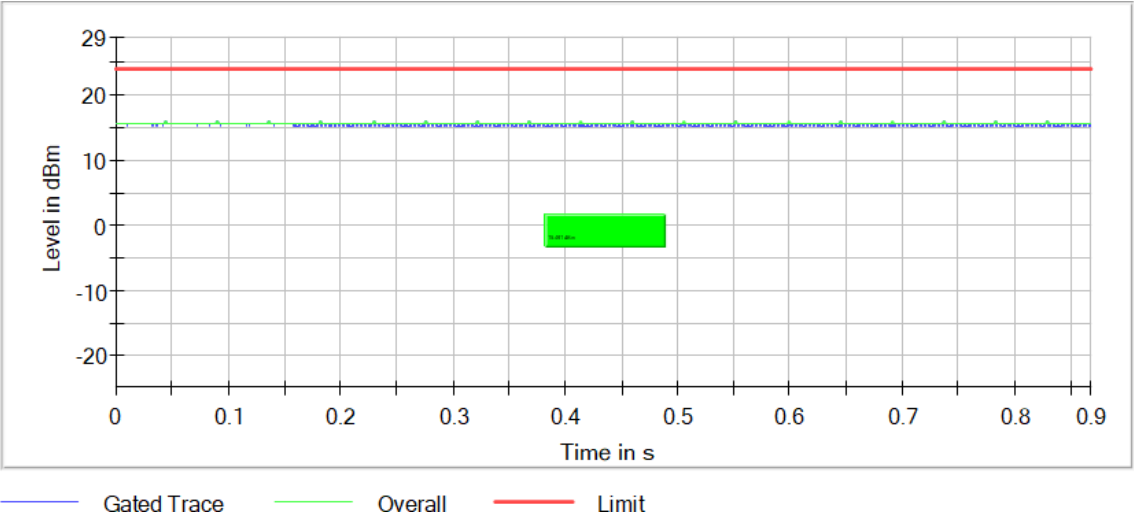
Tables:

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

Frequency MHz = 5270.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

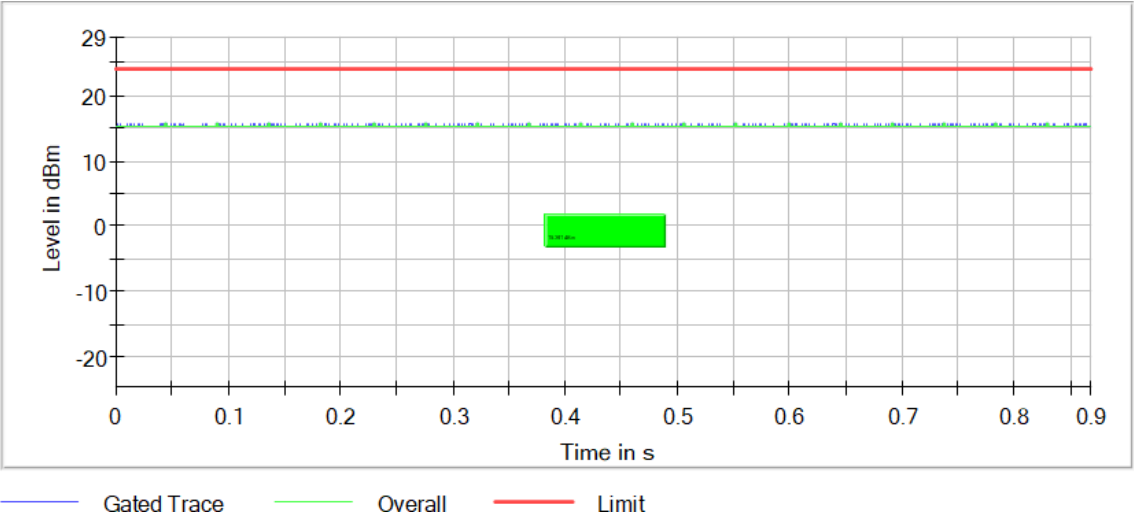


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5310.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

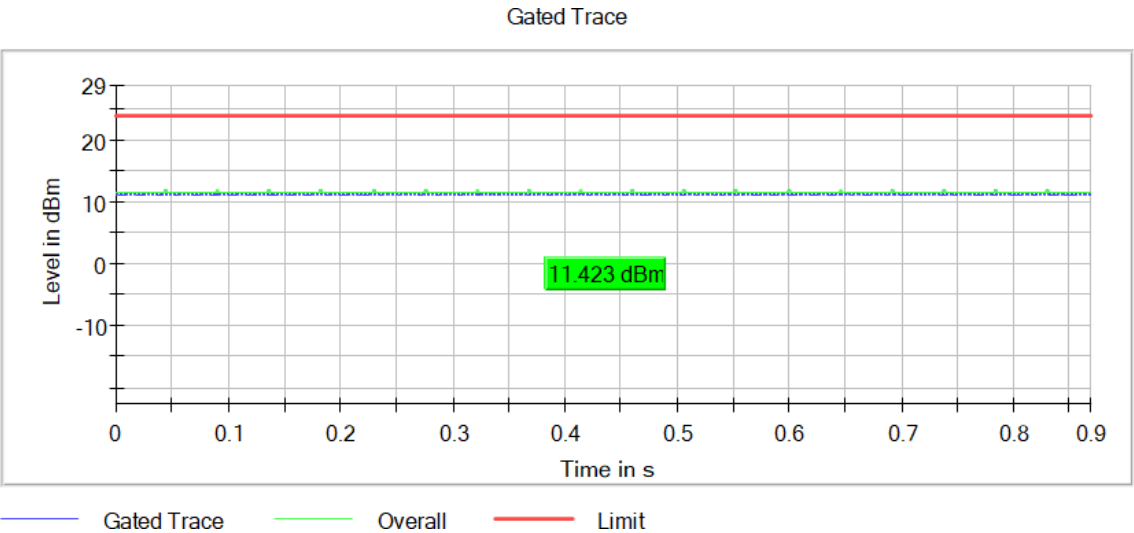


Tables:
Spectrum Analyzer Parameters

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

Frequency MHz = 5510.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



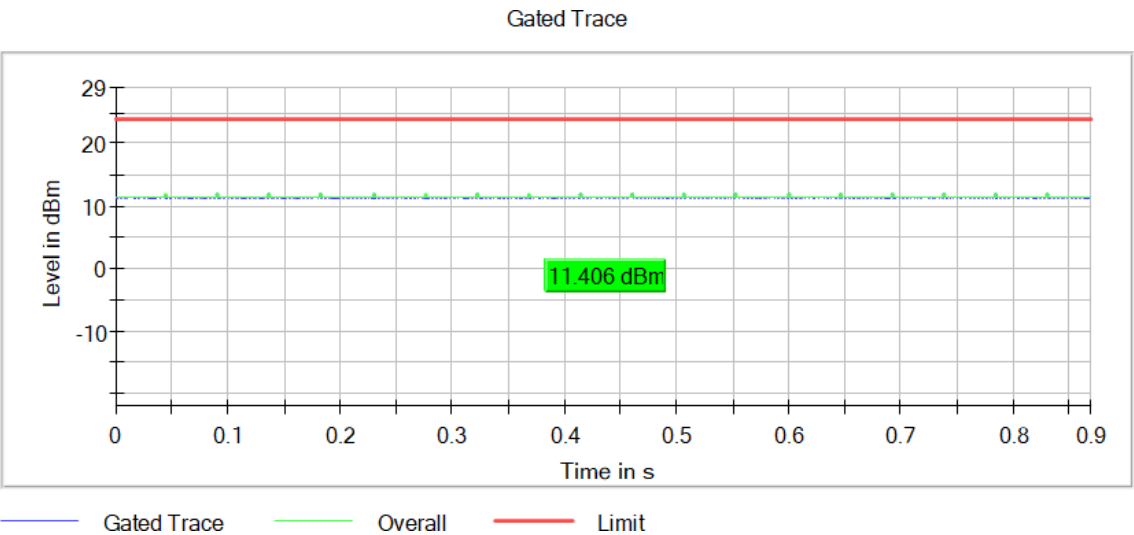
Tables:

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

Frequency MHz = 5550.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



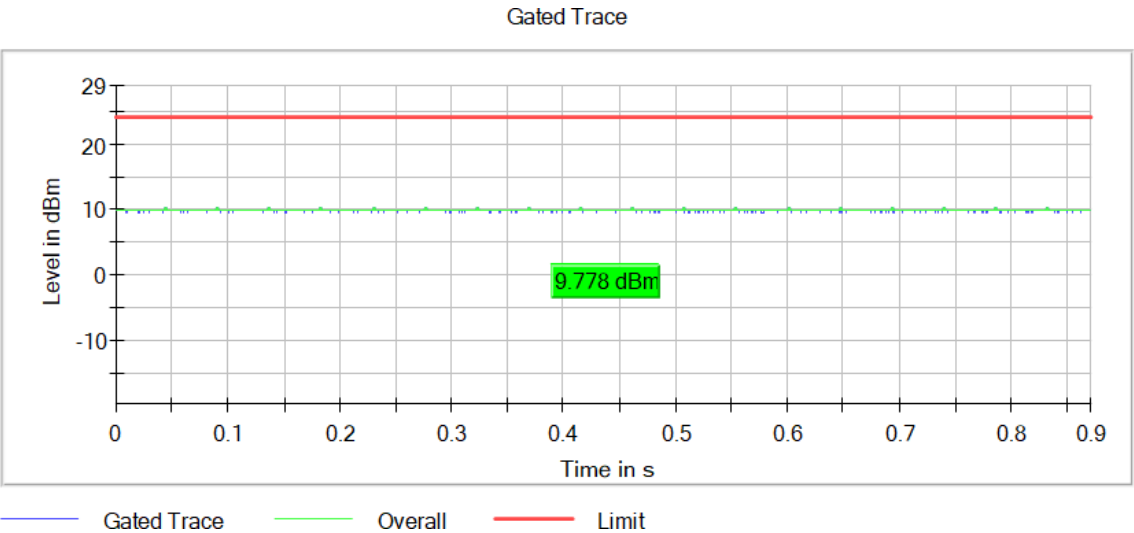
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Spectrum Analyzer Parameters

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

Frequency MHz = 5670.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
TPC = No 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

Frequency MHz = 5755.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)
TPC = No 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

Antenna gain: -2.8 dBi
Mode: MIMO CCD Mode 2x2
Modulation: 802.11ac VHT80 SS1 (OFDM MCS9) non-beam forming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5210.00000	13.0	10.2
5775.00000	11.7	8.9

Verdict

Pass

Mode: MIMO CCD Mode 2x2
Modulation: 802.11ac VHT80 SS1 (OFDM MCS9) non-beam forming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5290.00000	12.6	9.8
5530.00000	10.8	8.0
5610.00000	12.0	9.2

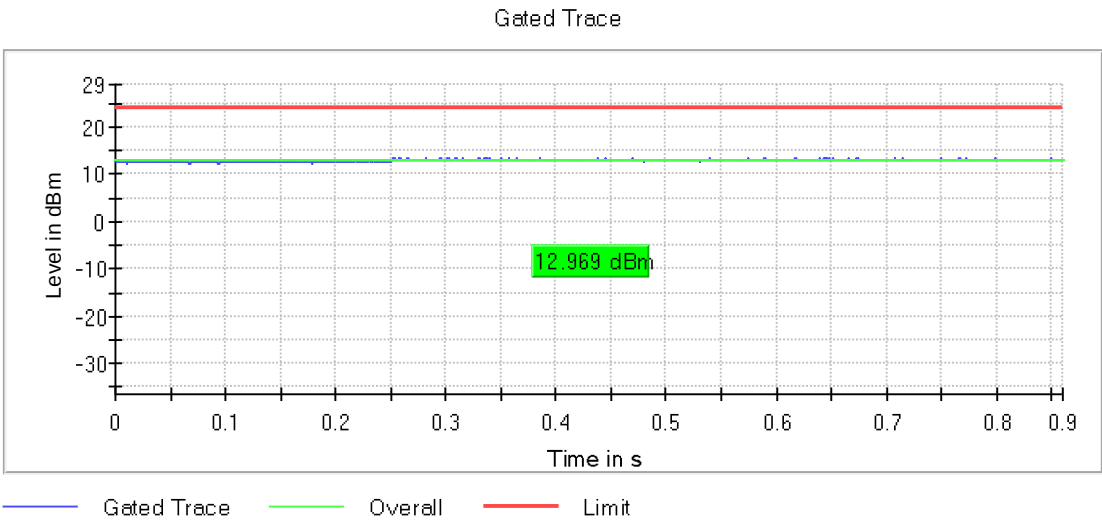
Verdict

Pass

Attachments

Frequency MHz = 5210.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



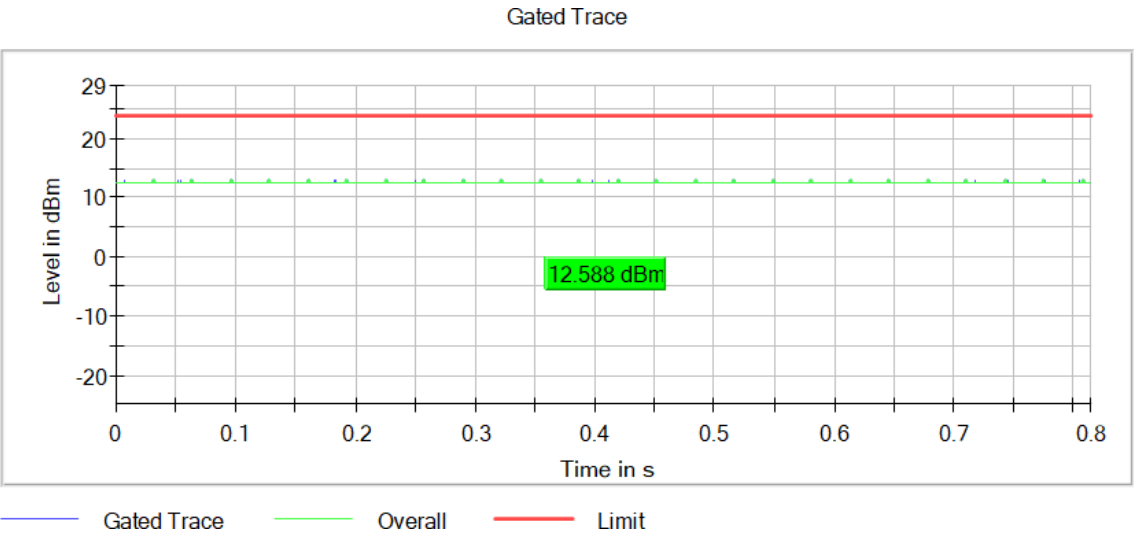
Tables:

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

Frequency MHz = 5290.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



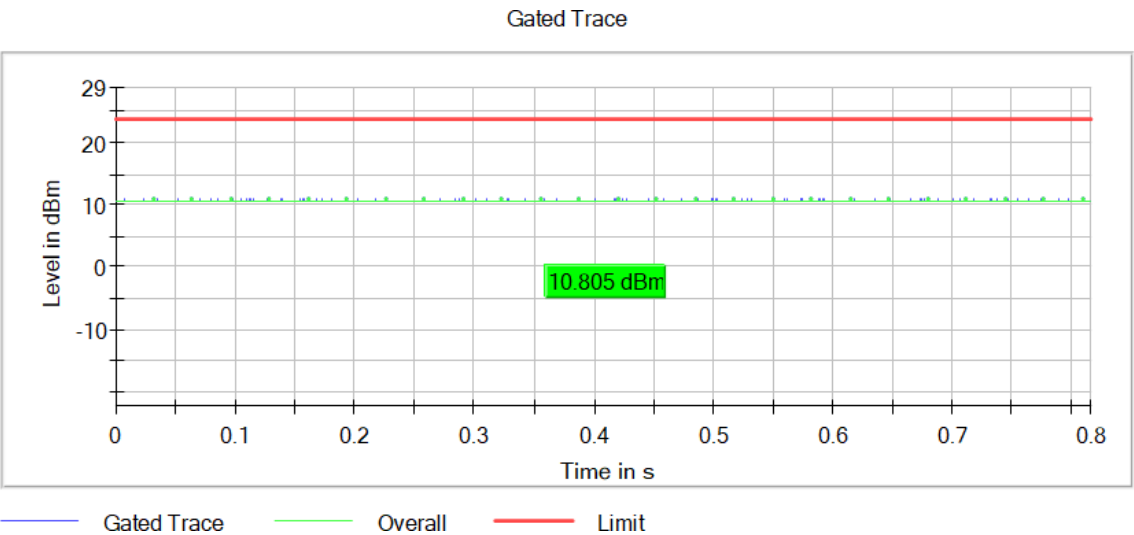
Tables:

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

Frequency MHz = 5530.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



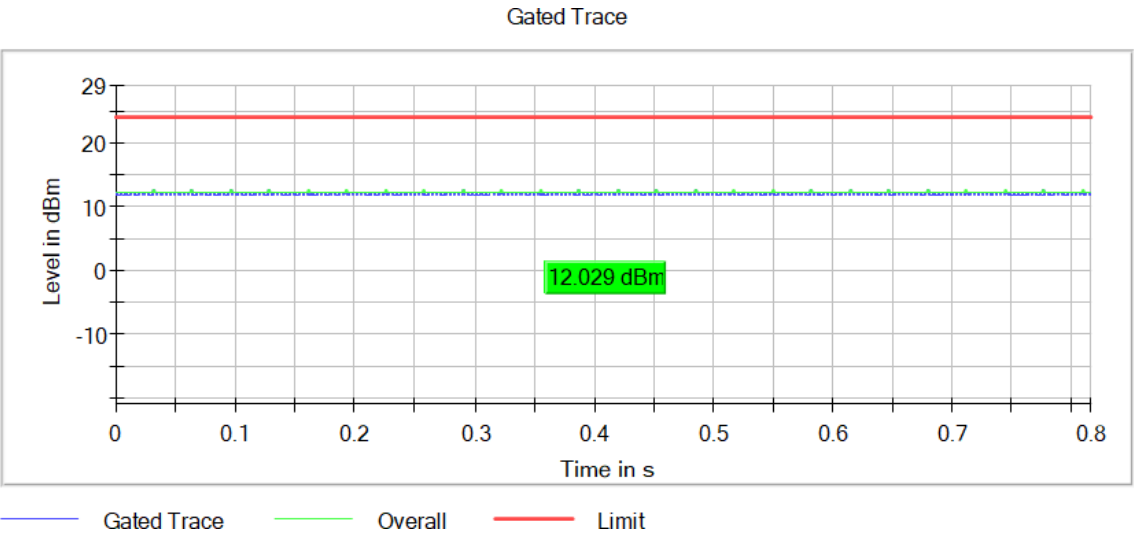
Tables:

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

Frequency MHz = 5610.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS9)
TPC = No 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

Frequency MHz = 5775.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS9)
TPC = No 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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE20 SS1 (OFDMA MCS8) – Full RU

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5180.00000	10.0	7.2
5200.00000	9.8	7.0
5240.00000	10.5	7.7
5260.00000	11.5	8.7
5280.00000	11.1	8.3
5320.00000	10.9	8.1
5500.00000	10.3	7.5
5580.00000	11.2	8.4
5700.00000	11.1	8.3
5745.00000	8.6	5.8
5785.00000	8.9	6.1
5825.00000	8.4	5.6

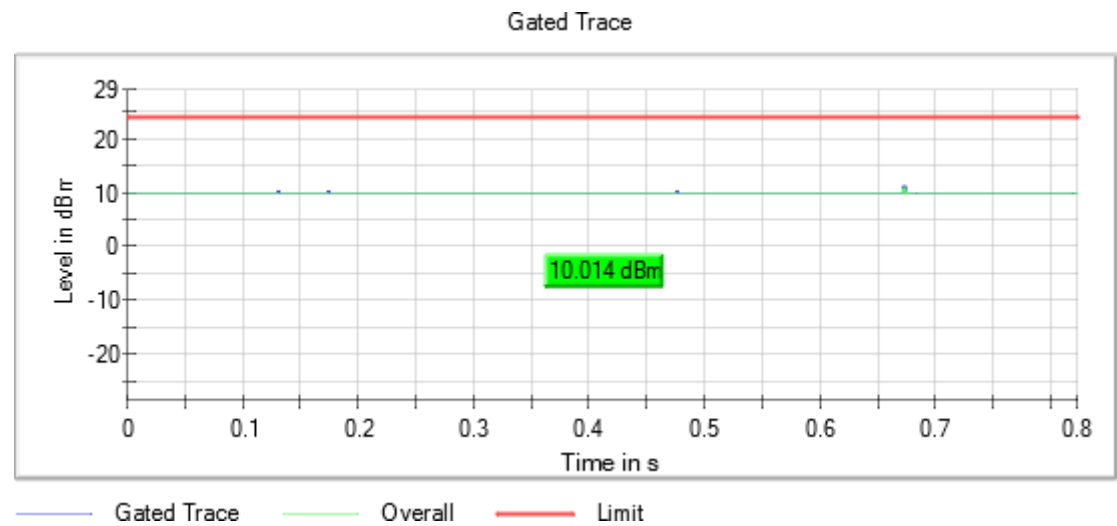
Verdict

Pass

Attachments

Frequency MHz = 5180.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



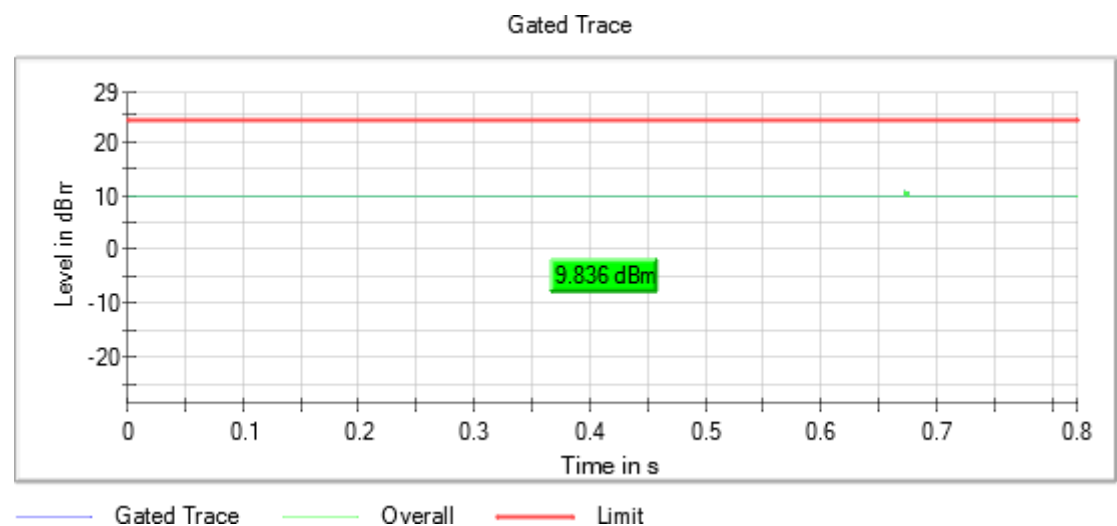
Tables:

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

Frequency MHz = 5200.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



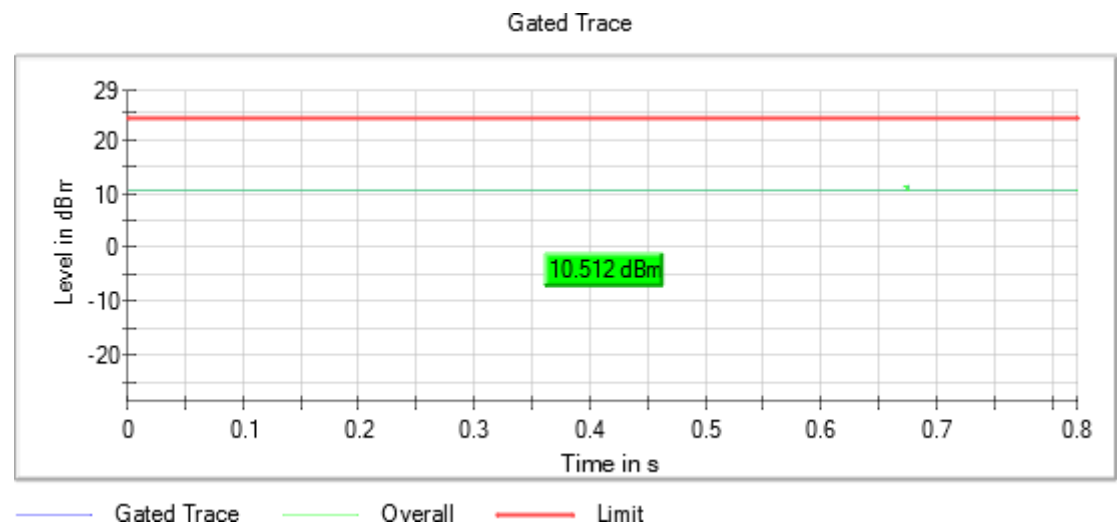
Tables:

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

Frequency MHz = 5240.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



Tables:

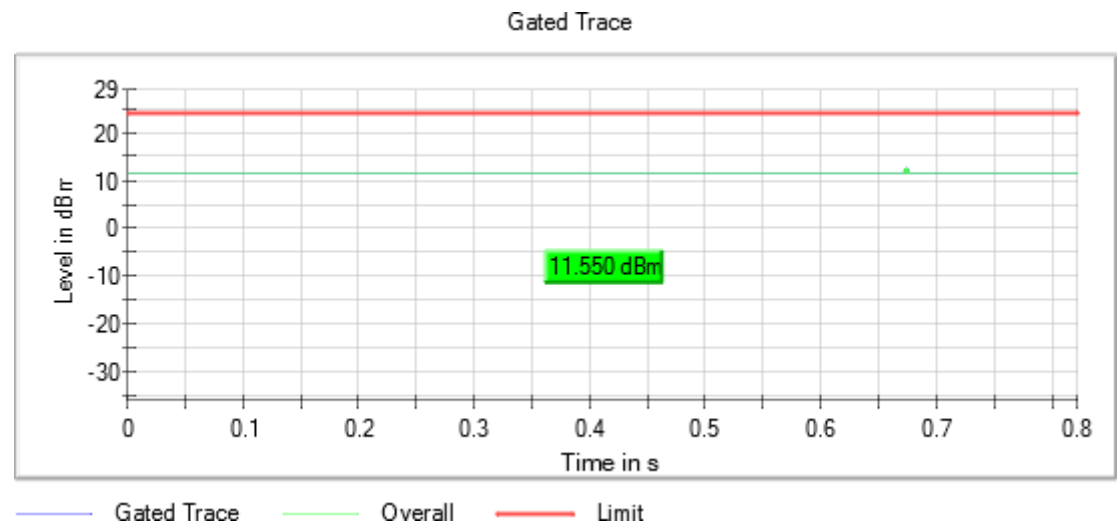
Spectrum Analyzer Parameters

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

Attachments

Frequency MHz = 5260.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



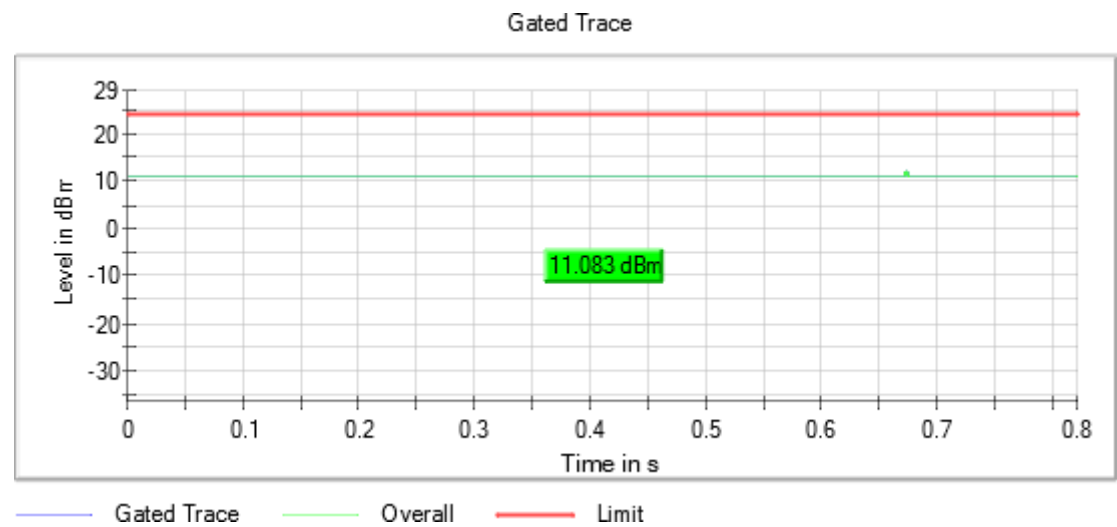
Tables:

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

Frequency MHz = 5280.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



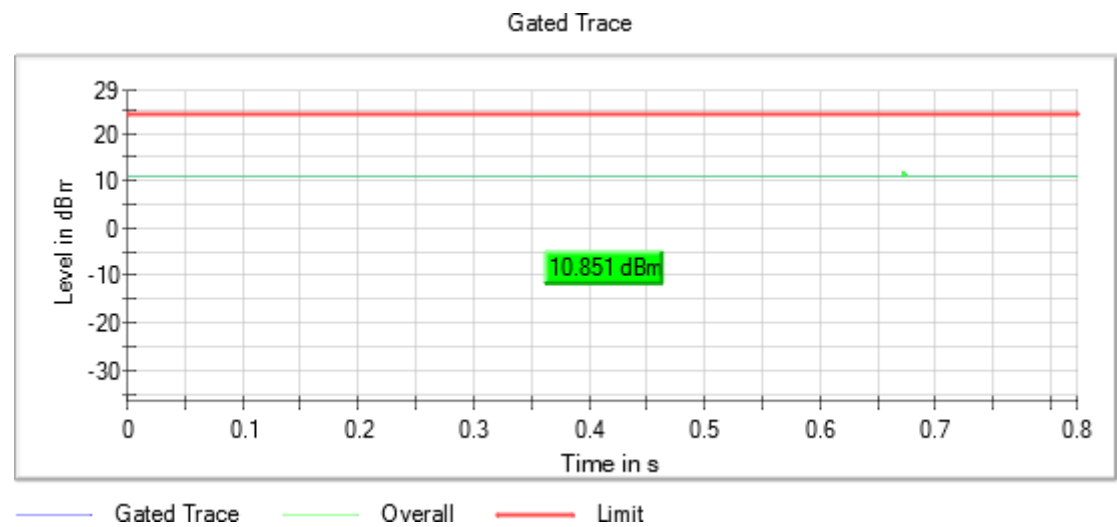
Tables:

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

Frequency MHz = 5320.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



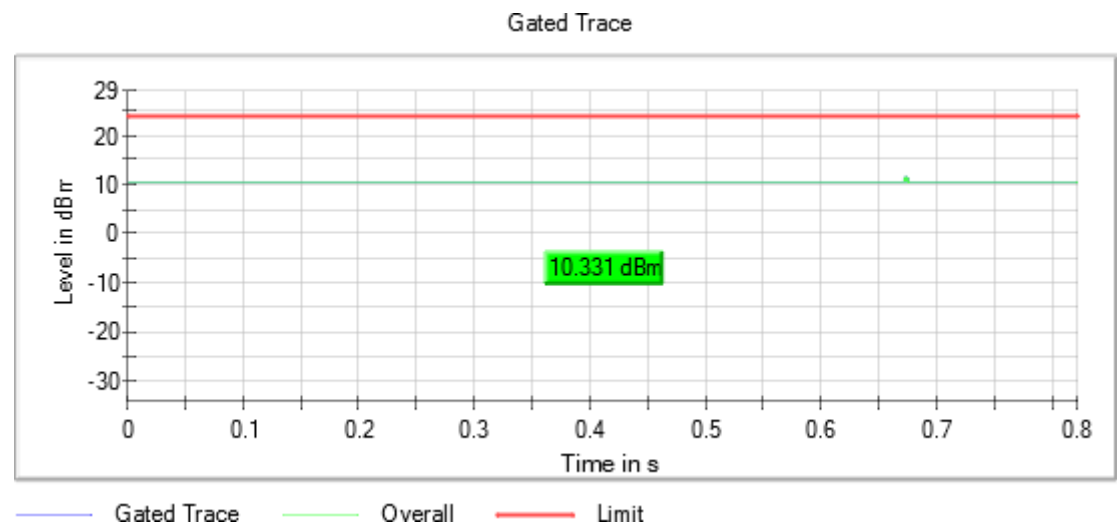
Tables:

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

Frequency MHz = 5500.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



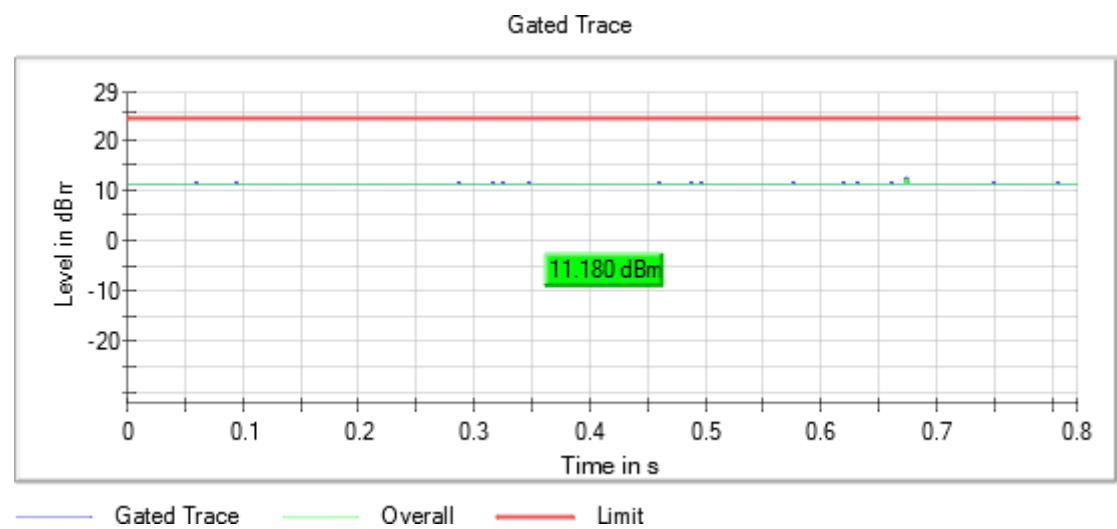
Tables:

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

Frequency MHz = 5580.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



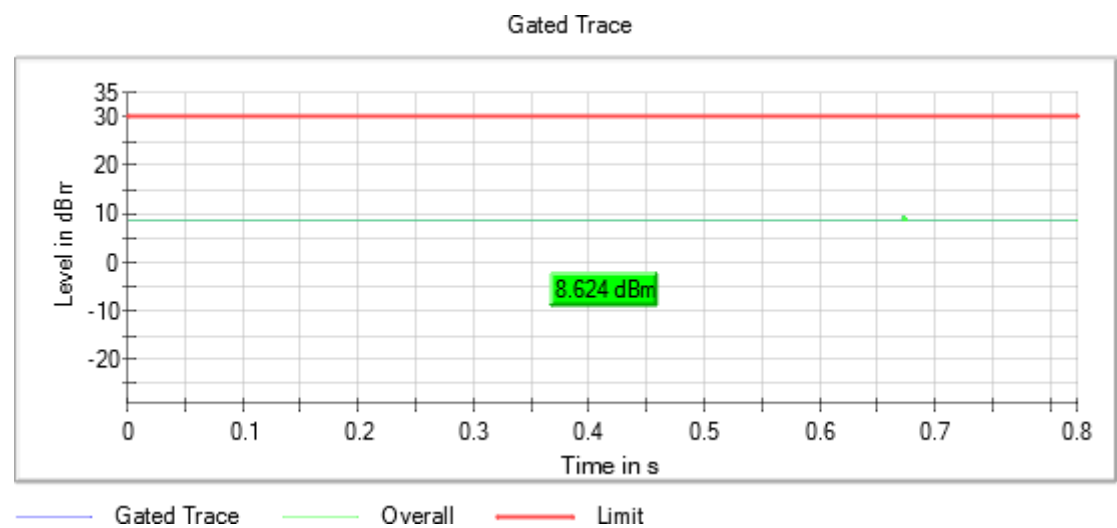
Tables:

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

Frequency MHz = 5745.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



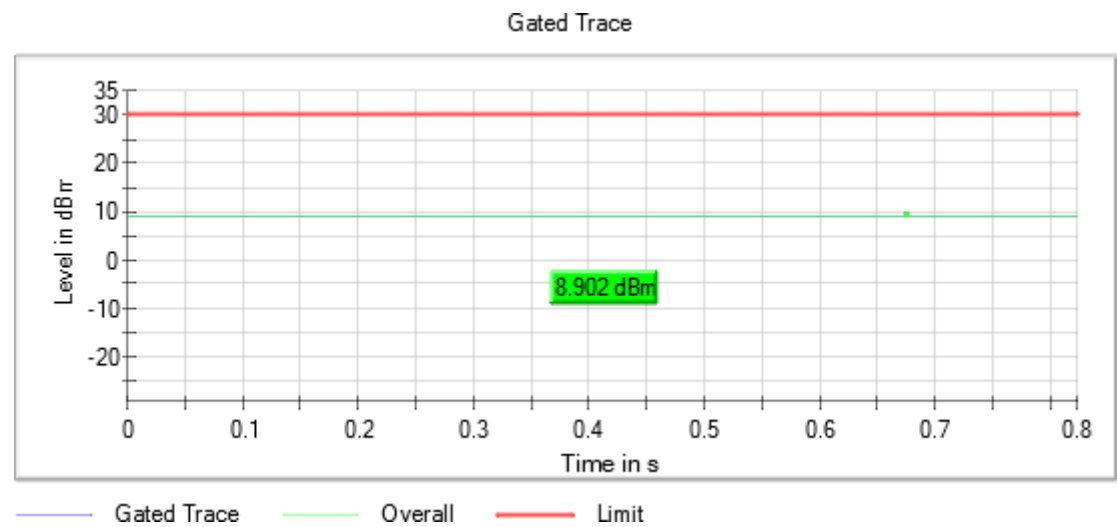
Tables:

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

Frequency MHz = 5785.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



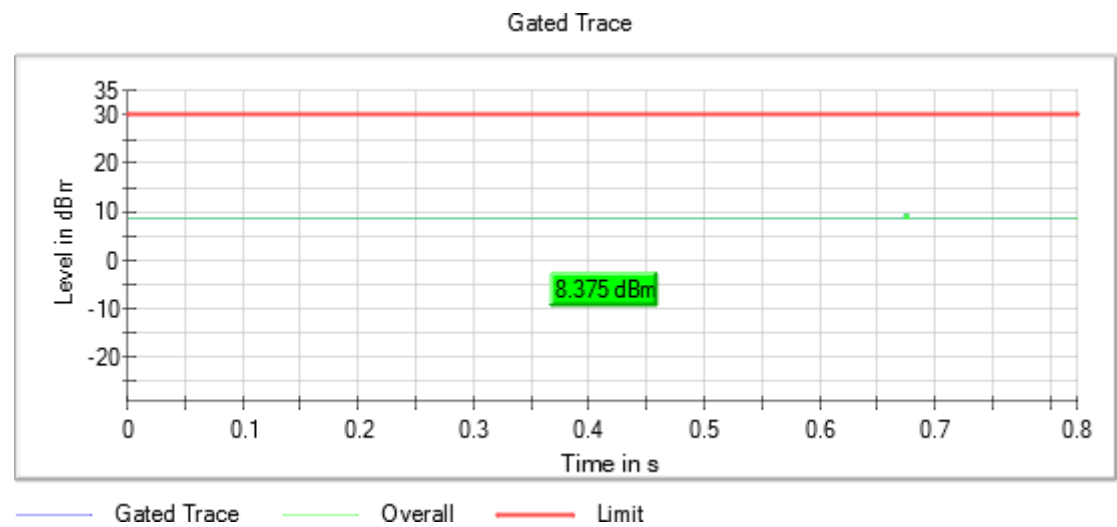
Tables:

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

Frequency MHz = 5825.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



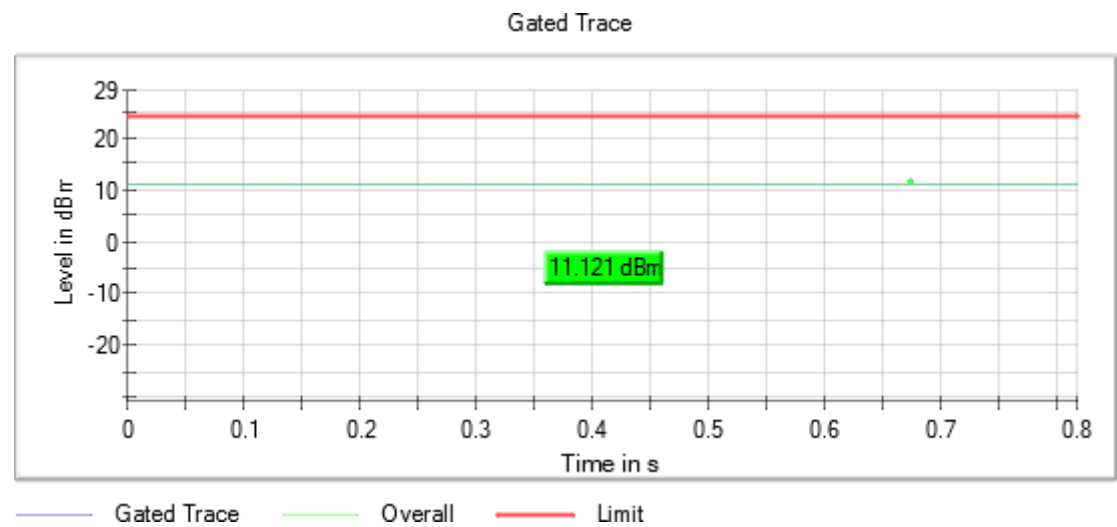
Tables:

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

Frequency MHz = 5700.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No 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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE40 SS1 (OFDMA MCS9) – Full RU

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5190.00000	11.3	8.5
5230.00000	11.9	9.1
5270.00000	10.3	7.5
5310.00000	10.0	7.2
5510.00000	9.6	6.8
5550.00000	10.3	7.5
5670.00000	9.9	7.1
5755.00000	10.4	7.6
5795.00000	10.4	7.6

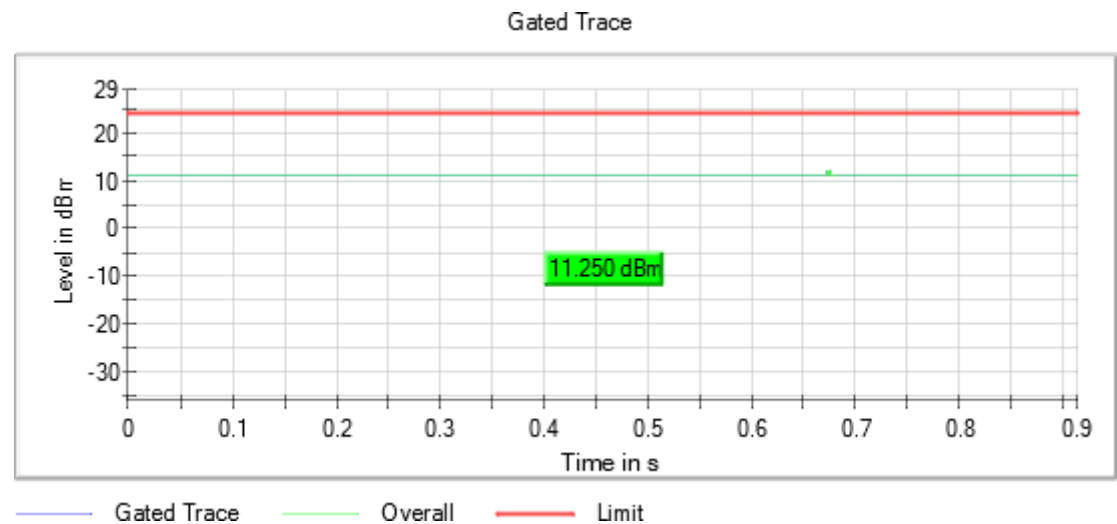
Verdict

Pass

Attachments

Frequency MHz = 5190.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



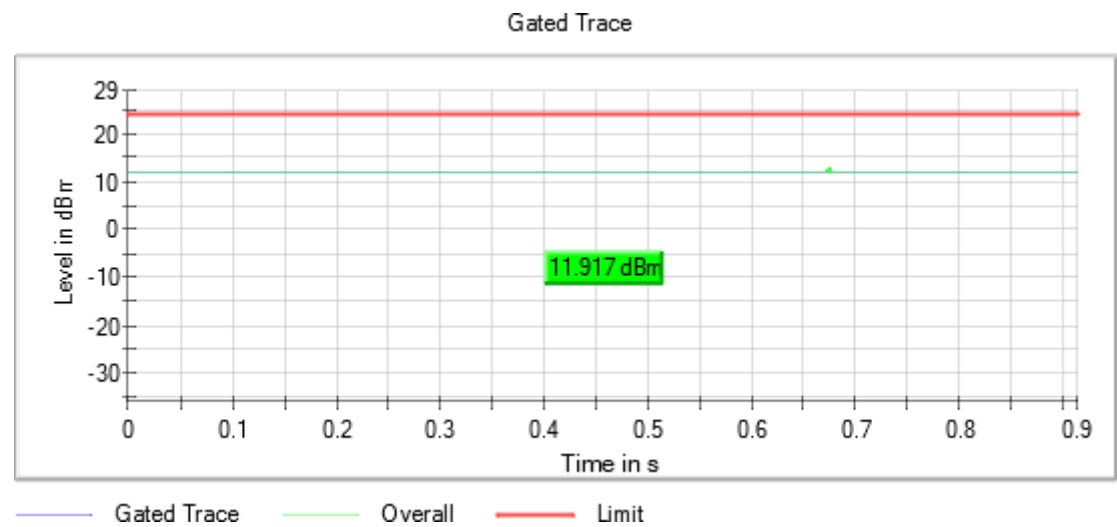
Tables:

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

Frequency MHz = 5230.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



Tables:

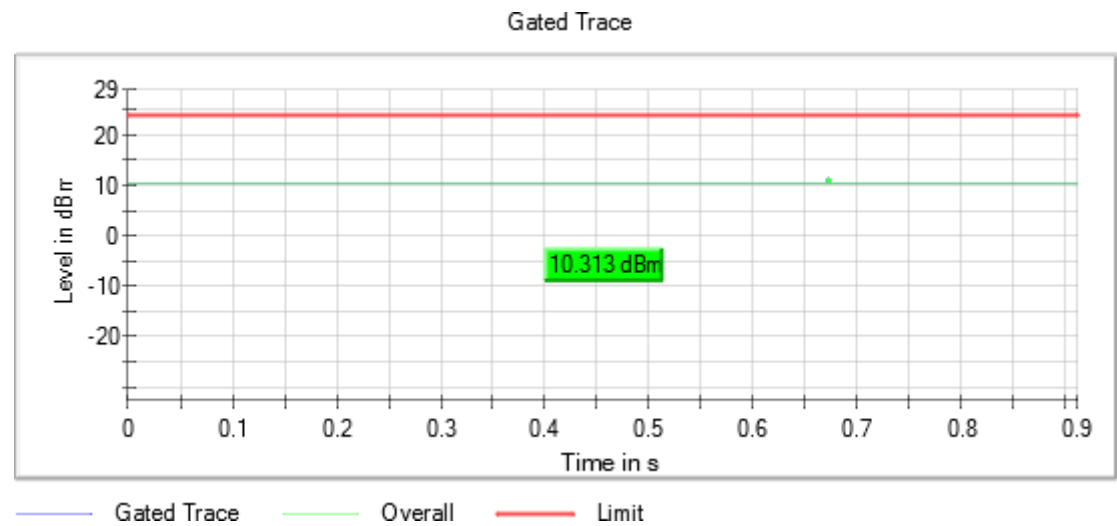
Spectrum Analyzer Parameters

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

Attachments

Frequency MHz = 5270.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



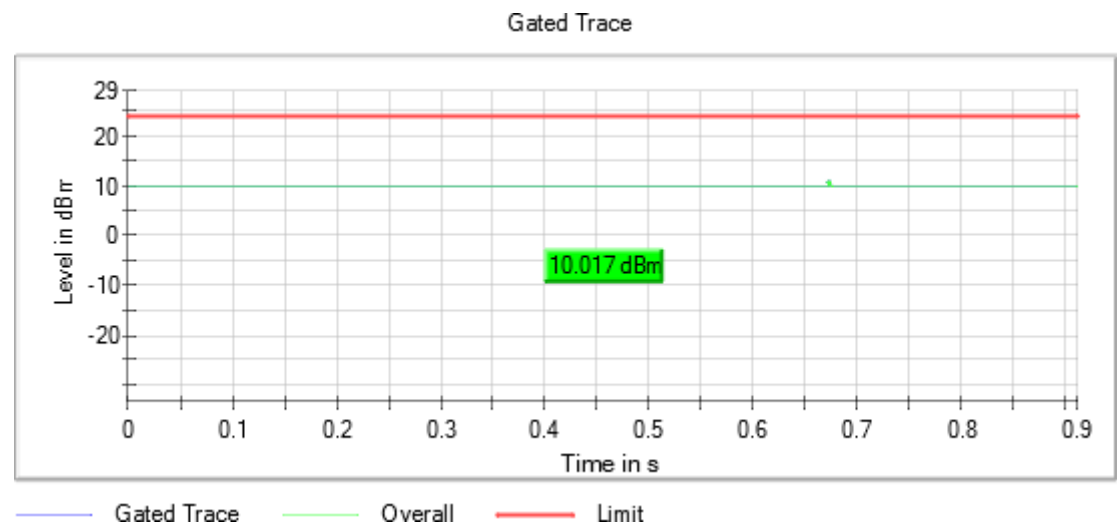
Tables:

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

Frequency MHz = 5310.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



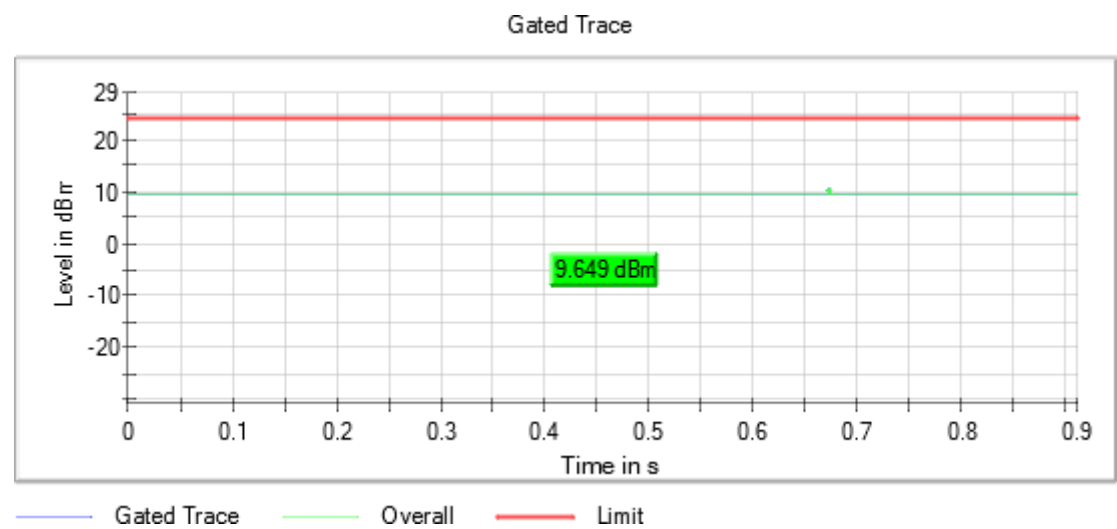
Tables:

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

Frequency MHz = 5510.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



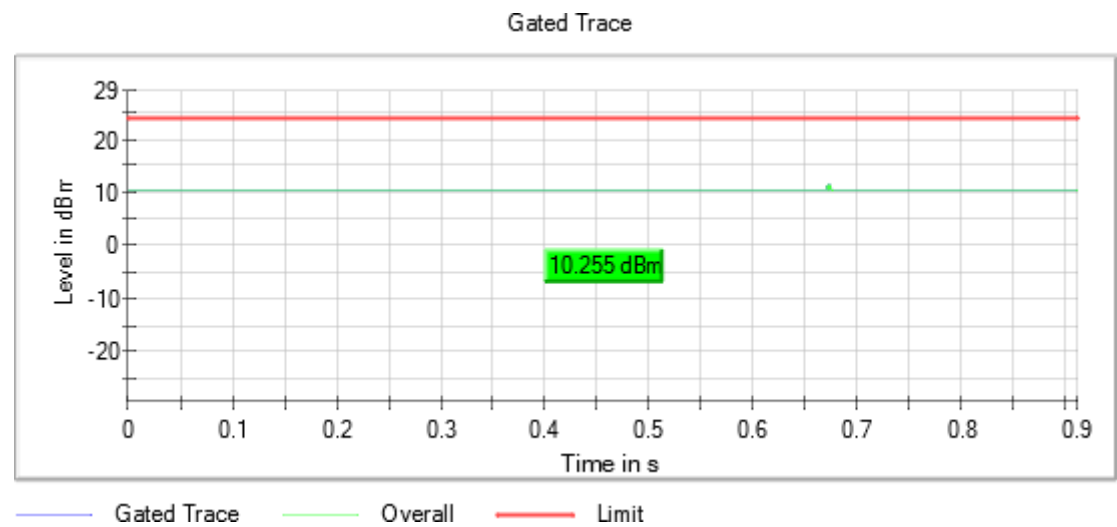
Tables:

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

Frequency MHz = 5550.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



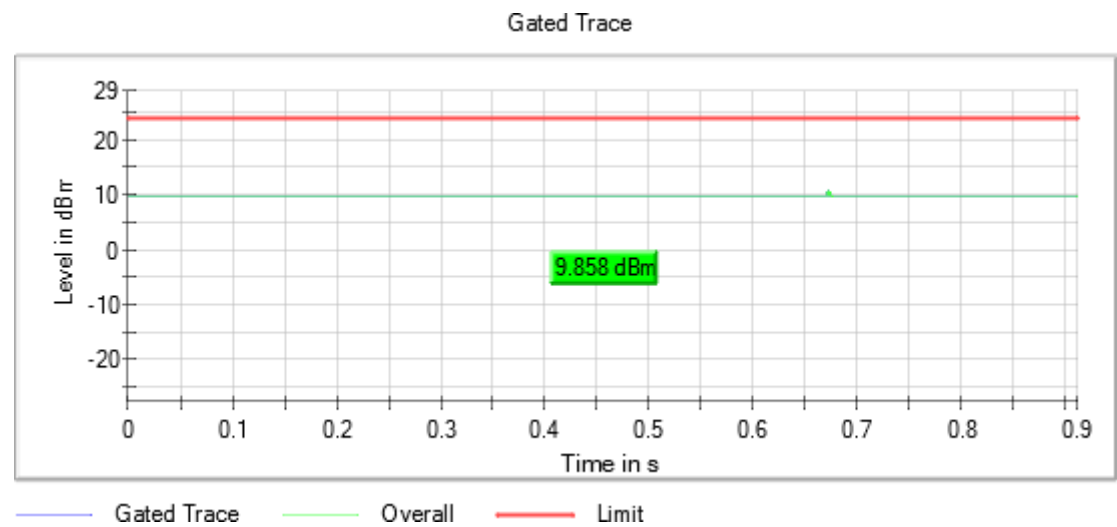
Tables:

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

Frequency MHz = 5670.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No 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

Frequency MHz = 5755.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



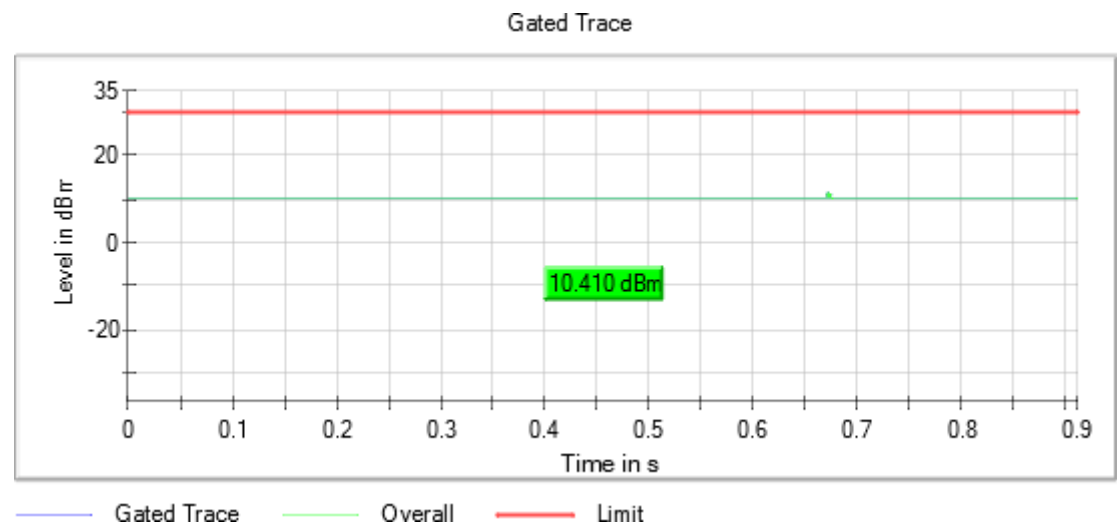
Tables:

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

Frequency MHz = 5795.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No 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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE80 SS1 (OFDMA MCS11) – Full RU

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5210.00000	10.4	7.6
5290.00000	8.3	5.5
5530.00000	7.8	5.0
5610.00000	8.9	6.1
5775.00000	8.9	6.1

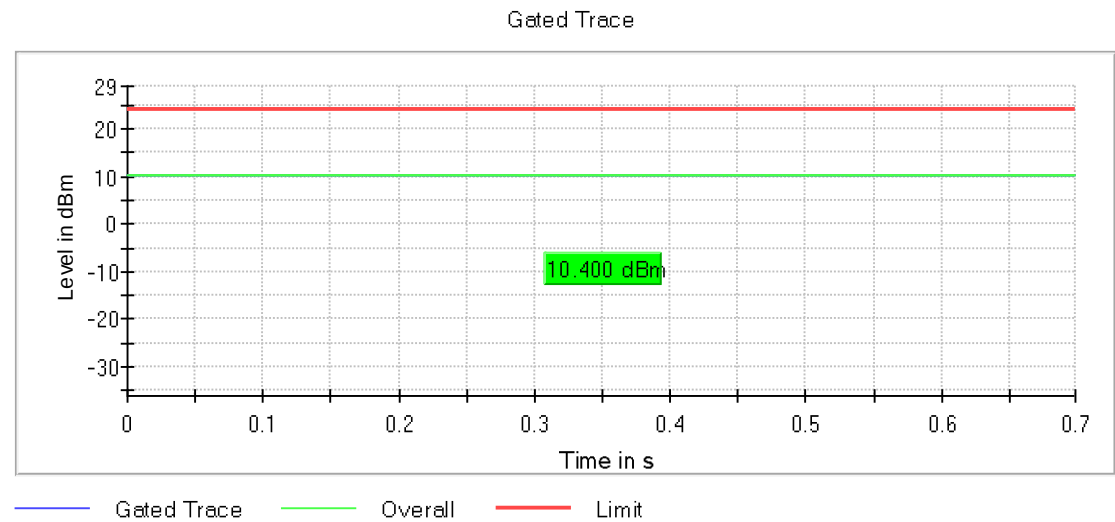
Verdict

Pass

Attachments

Frequency MHz = 5210.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



Tables:

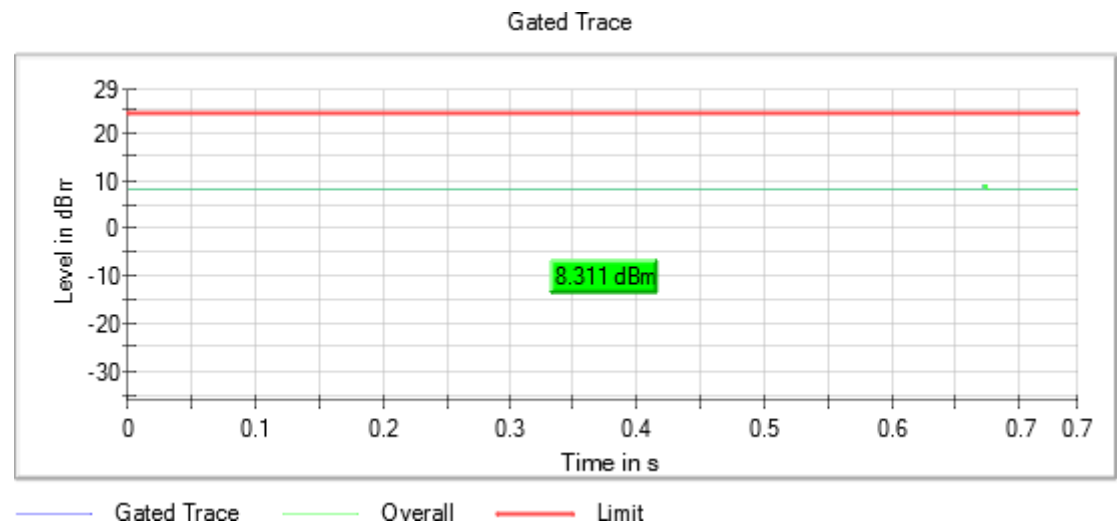
Spectrum Analyzer Parameters

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

Attachments

Frequency MHz = 5290.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



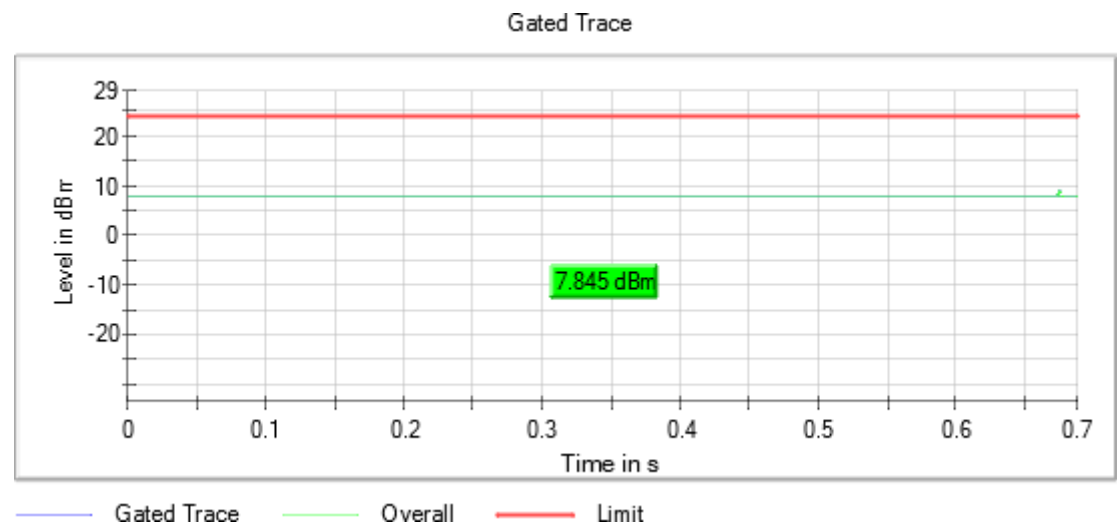
Tables:

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

Frequency MHz = 5530.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



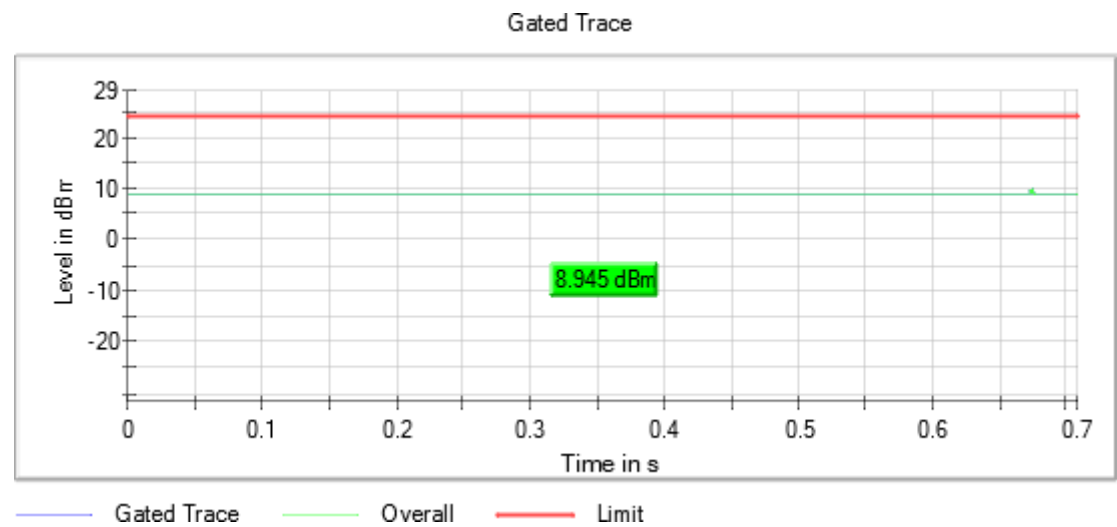
Tables:

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

Frequency MHz = 5610.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No 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

Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No 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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE20 SS1 (OFDMA MCS8) - Partial RU

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5180.00000	13.3	10.5
5200.00000	13.2	10.4
5240.00000	12.9	10.1
5260.00000	10.6	7.8
5280.00000	9.9	7.1
5320.00000	9.4	6.6
5500.00000	10.2	7.4
5580.00000	10.7	7.9
5700.00000	10.7	7.9
5745.00000	11.3	8.5
5785.00000	12.2	9.4
5825.00000	12.1	9.3

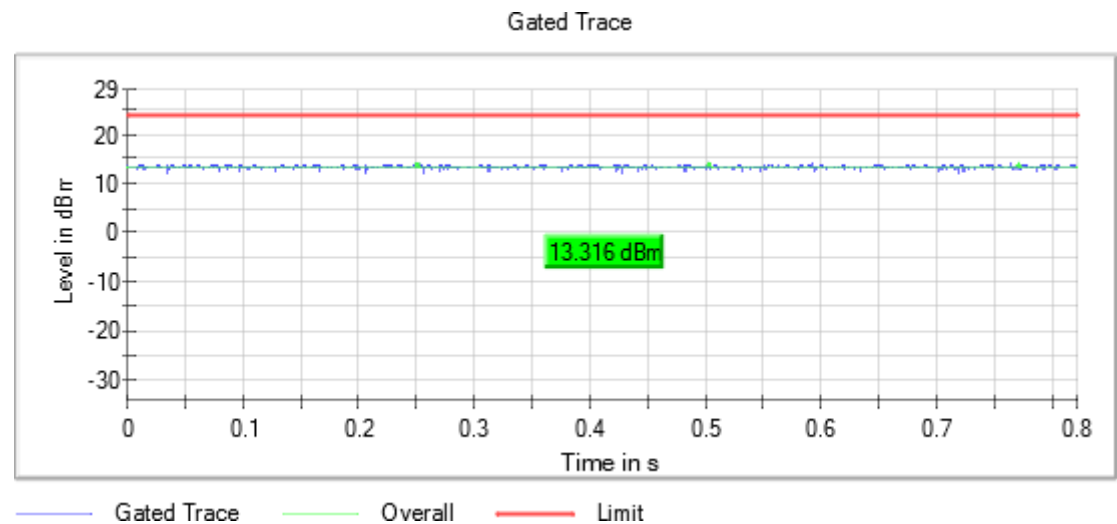
Verdict

Pass

Attachments

Frequency MHz = 5180.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



Tables:

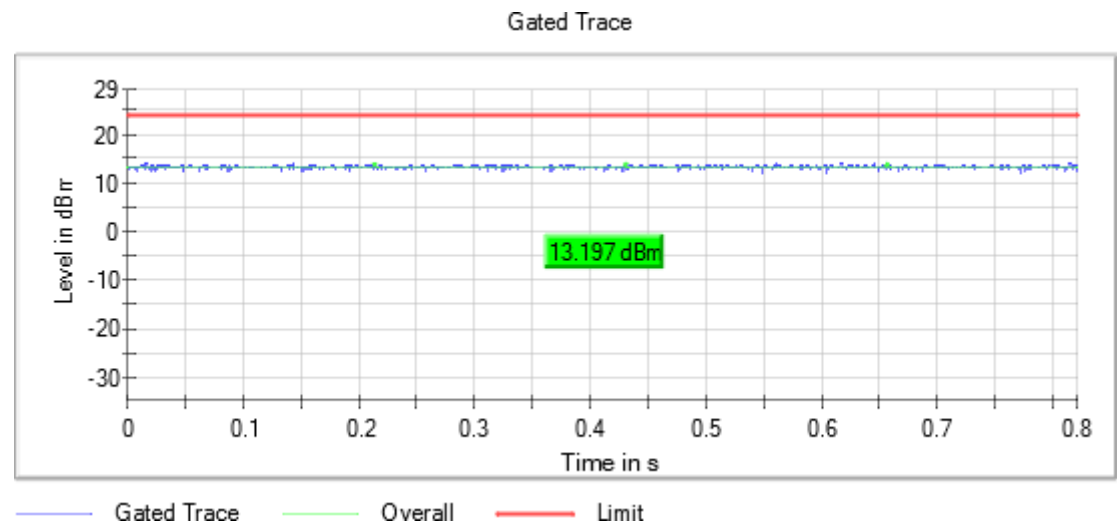
Spectrum Analyzer Parameters

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

Attachments

Frequency MHz = 5200.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



Tables:

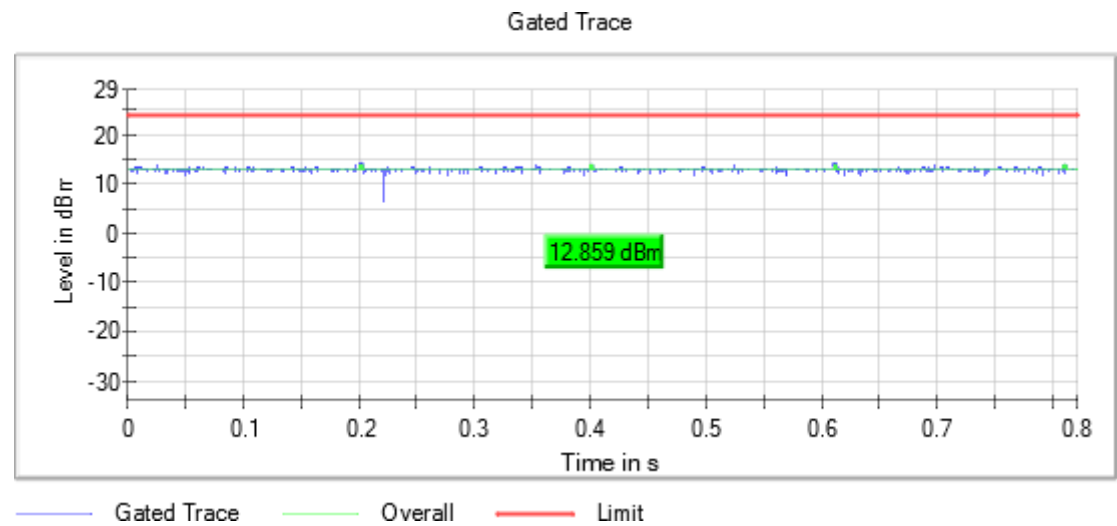
Spectrum Analyzer Parameters

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

Attachments

Frequency MHz = 5240.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



Tables:

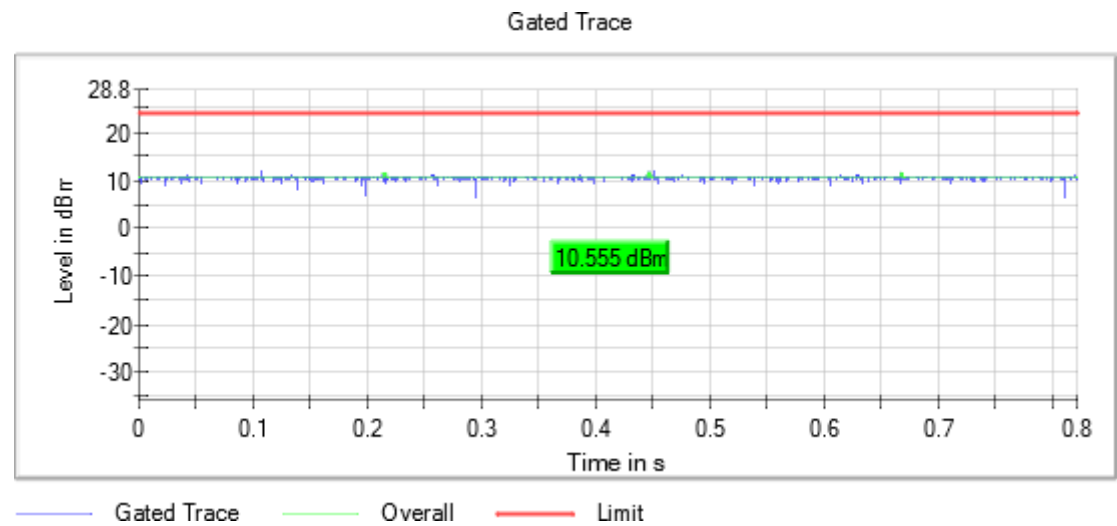
Spectrum Analyzer Parameters

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

Attachments

Frequency MHz = 5260.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



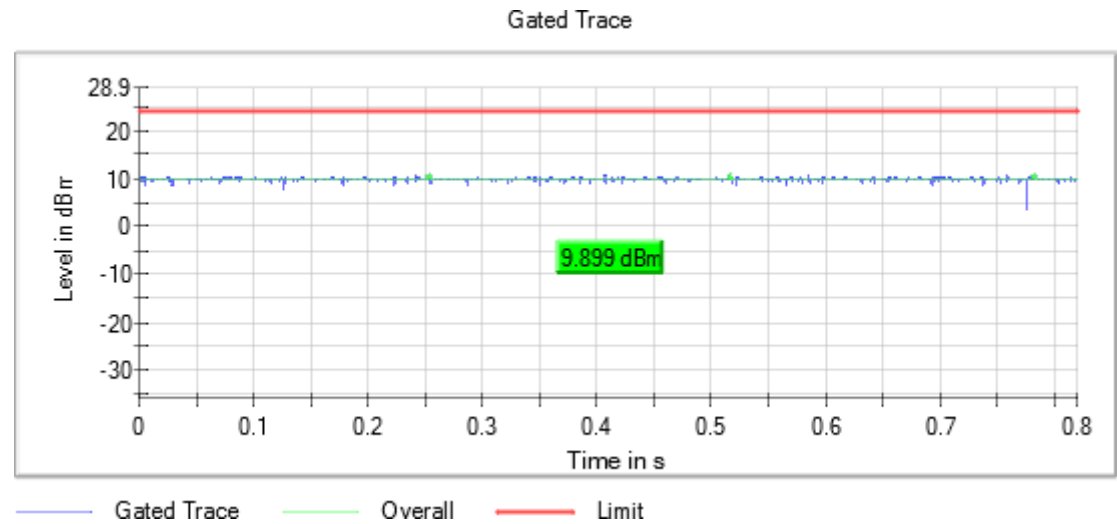
Tables:

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

Frequency MHz = 5280.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



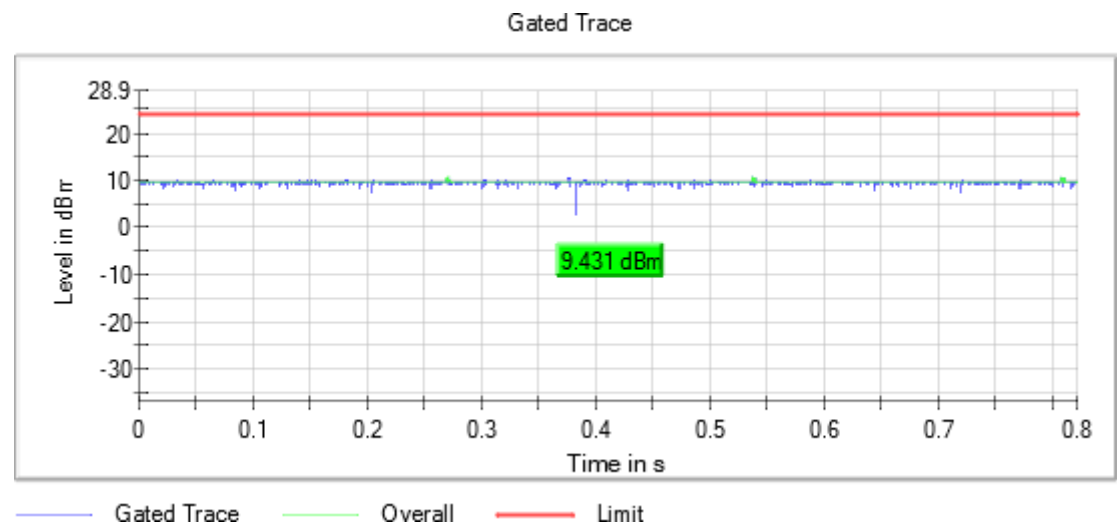
Tables:

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

Frequency MHz = 5320.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)
TPC = No 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