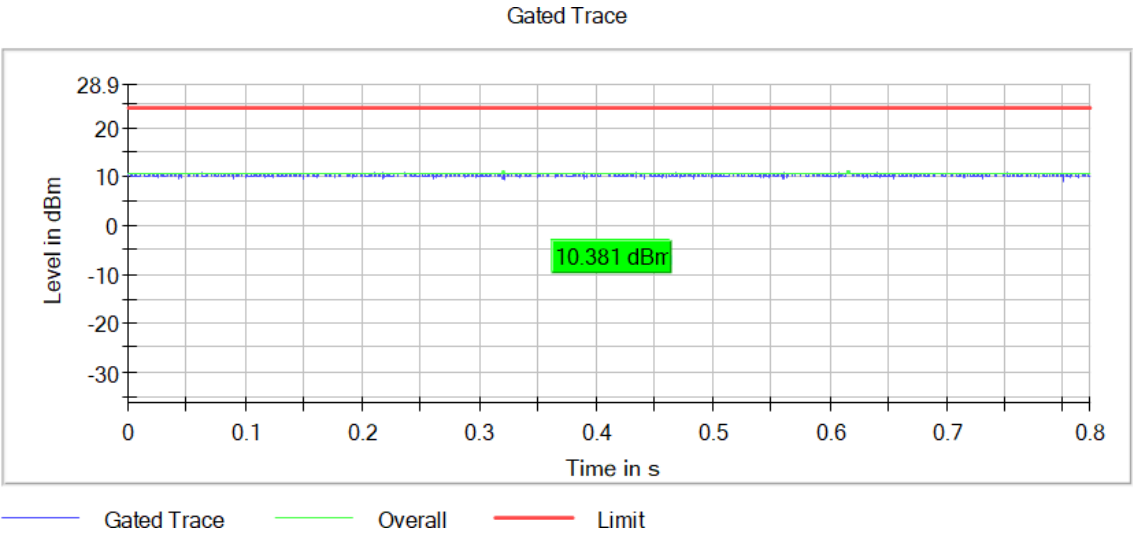


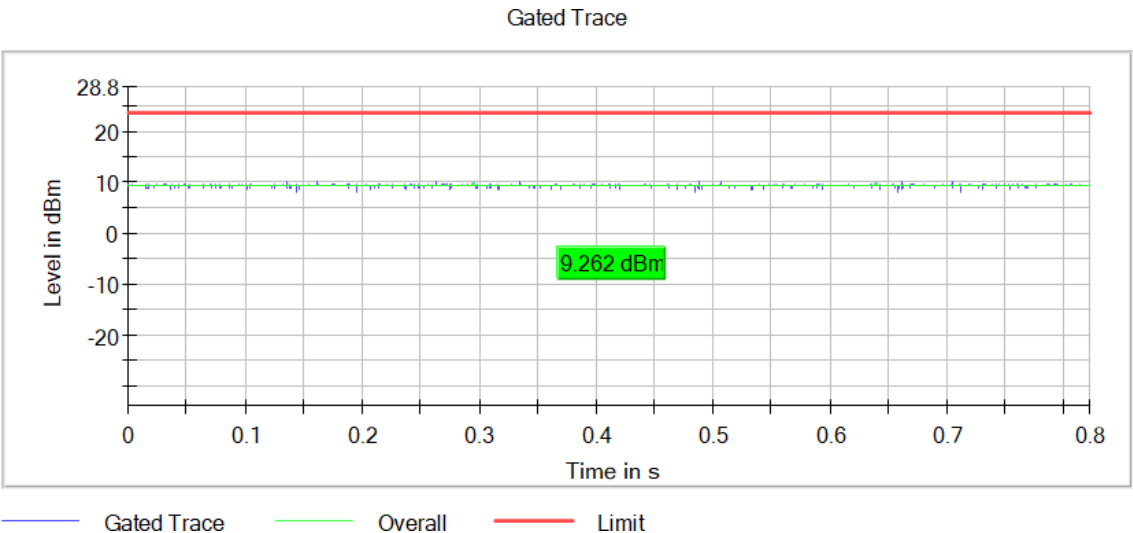
Frequency MHz = 5320.00000 Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



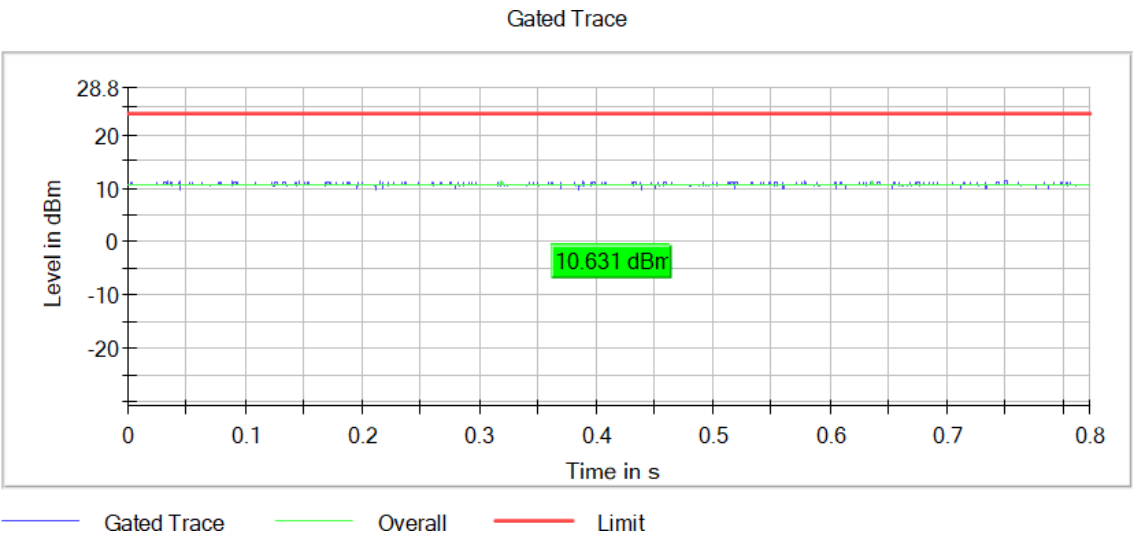
Frequency MHz = 5500.00000 Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



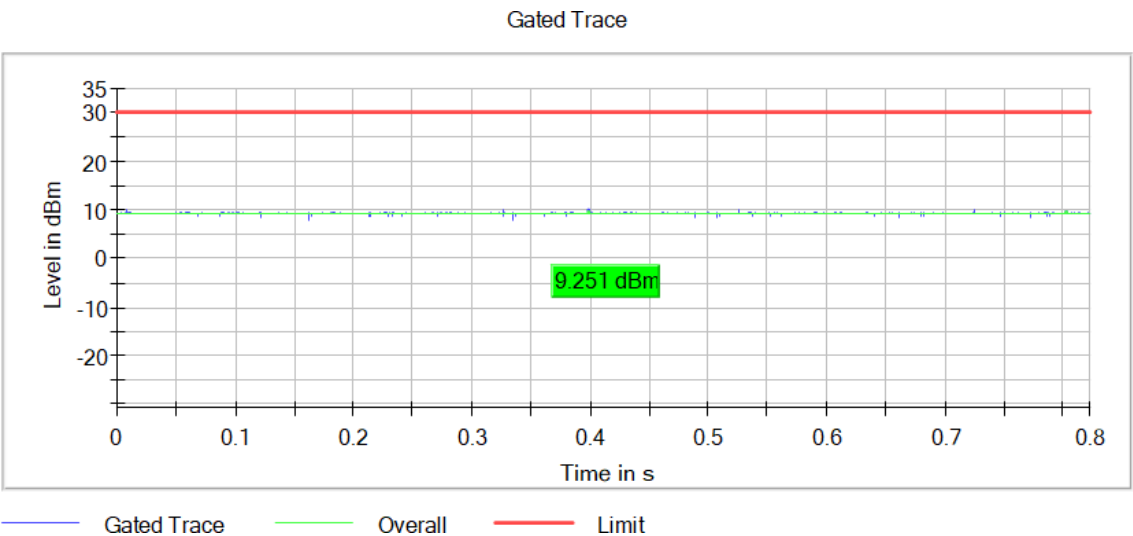
Frequency MHz = 5700.00000 Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



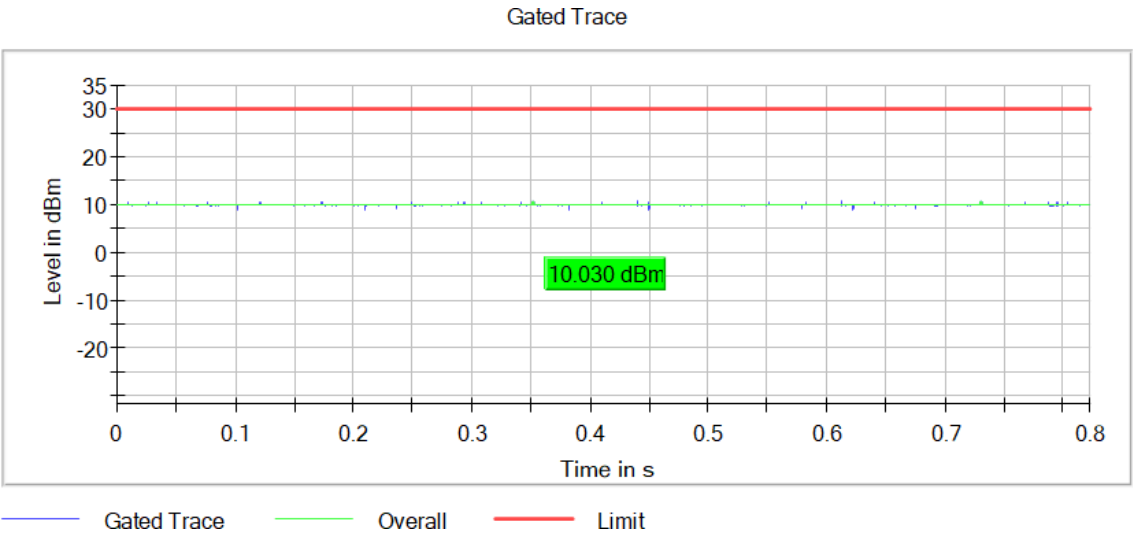
Frequency MHz = 5745.00000 Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000 Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



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

Declared Antenna gain: -2.8 dBi

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5190.00000	10.2	7.4
5230.00000	10.3	7.5
5270.00000	11.2	8.4
5310.00000	10.0	7.2
5510.00000	9.8	7.0
5550.00000	10.0	7.2
5670.00000	10.2	7.4
5755.00000	8.8	6.0
5795.00000	8.9	6.1

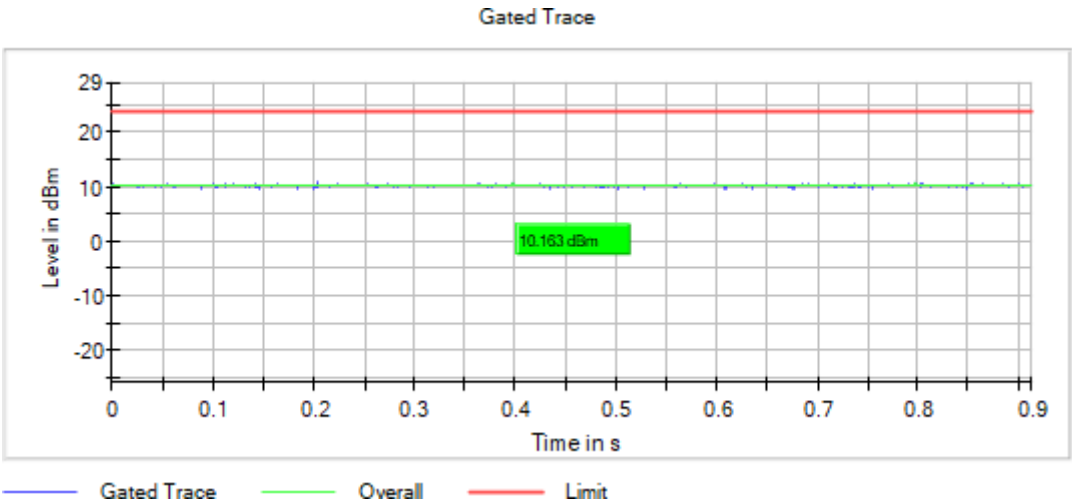
Verdict

Pass

Attachments

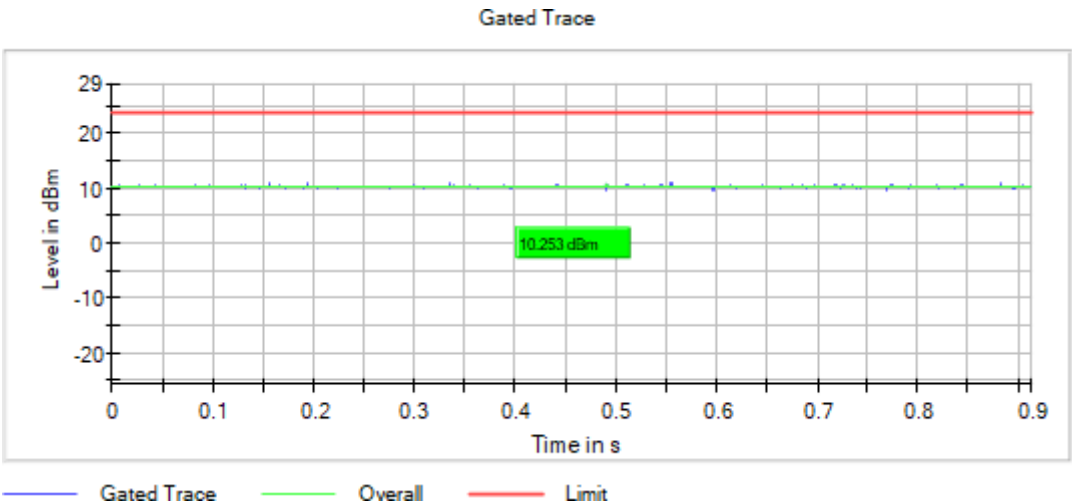
Frequency MHz = 5190.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



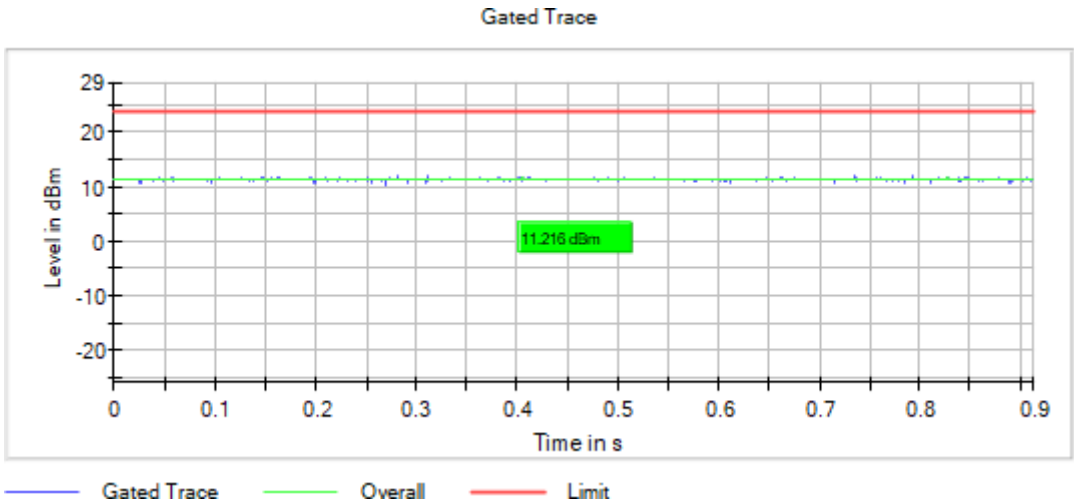
Frequency MHz = 5230.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



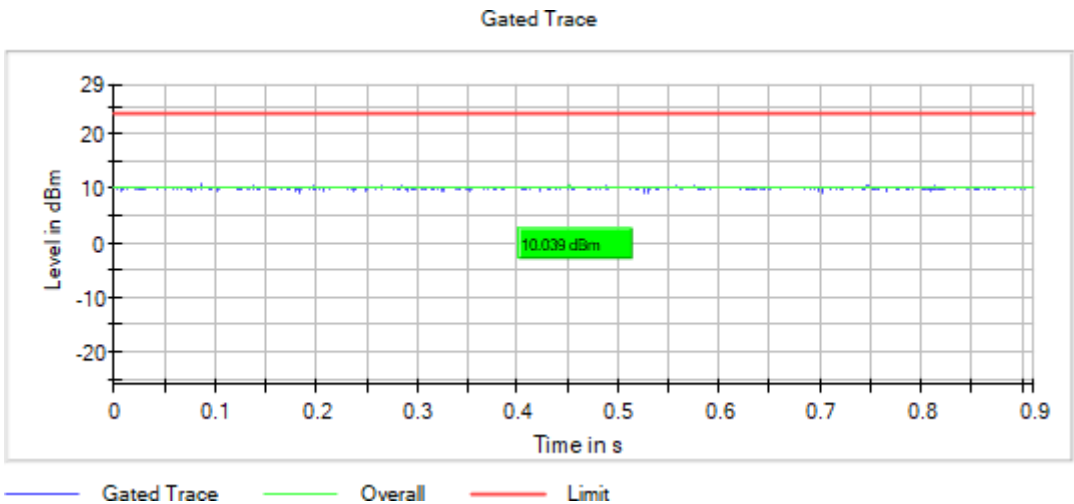
Frequency MHz = 5270.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



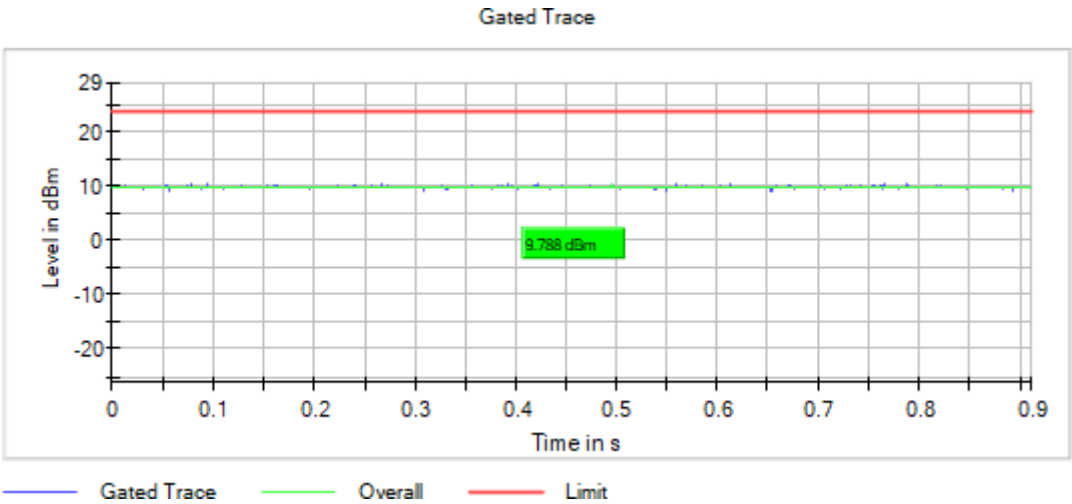
Frequency MHz = 5310.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



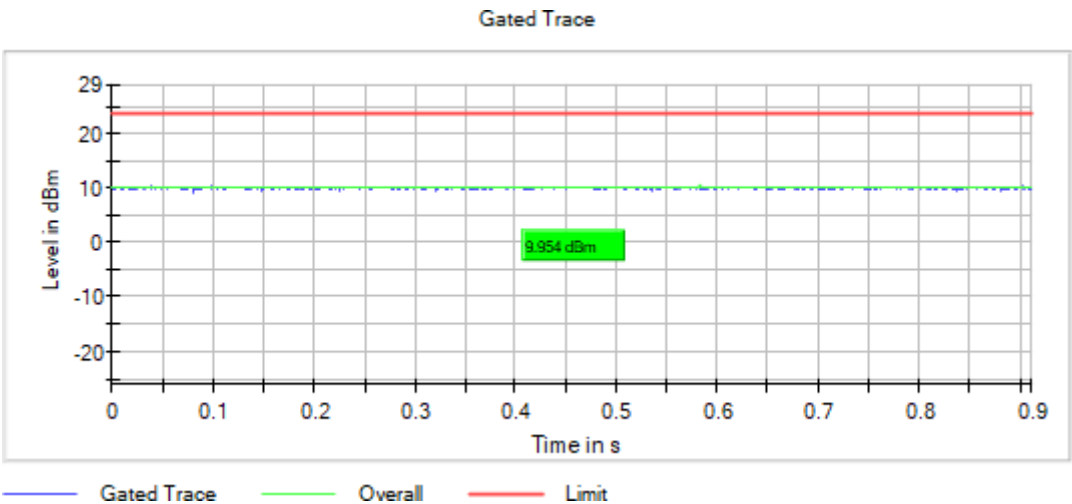
Frequency MHz = 5510.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



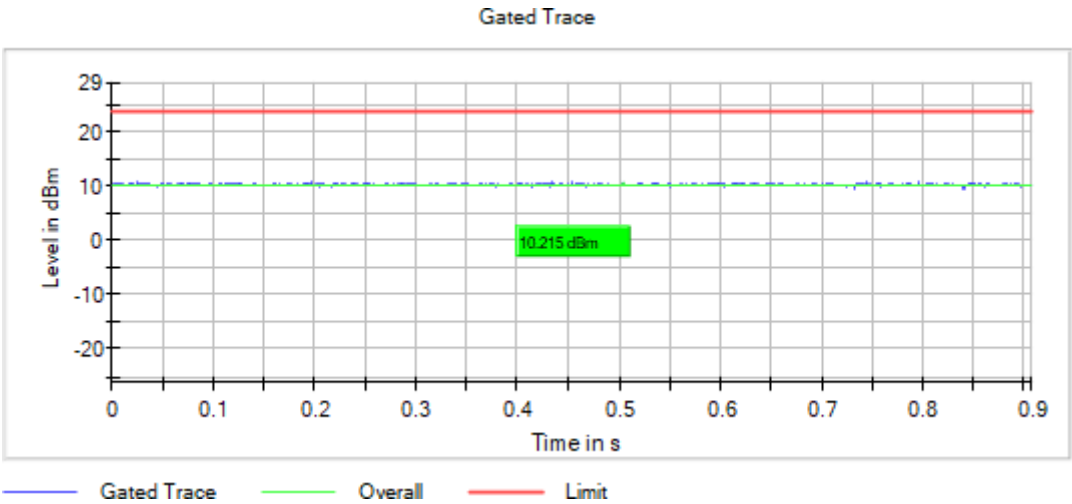
Frequency MHz = 5550.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



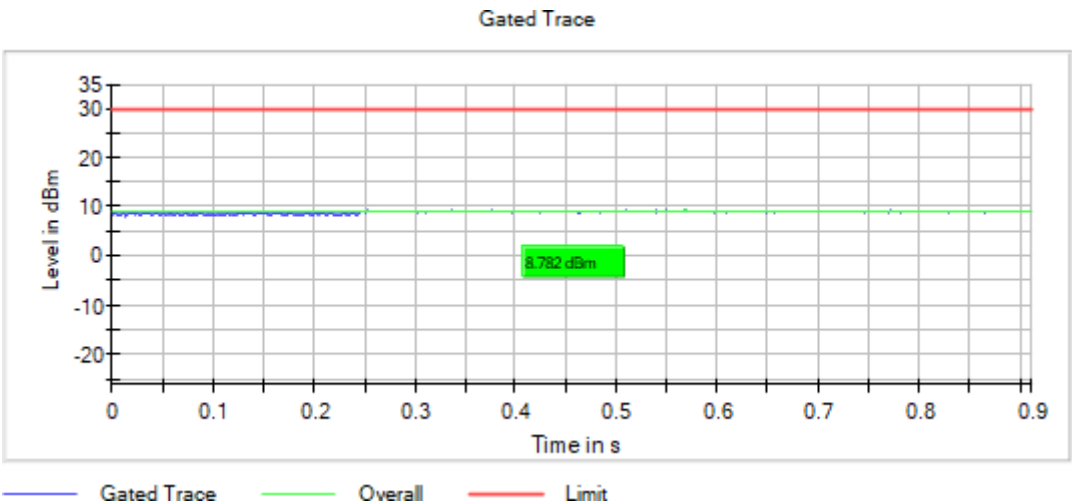
Frequency MHz = 5670.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



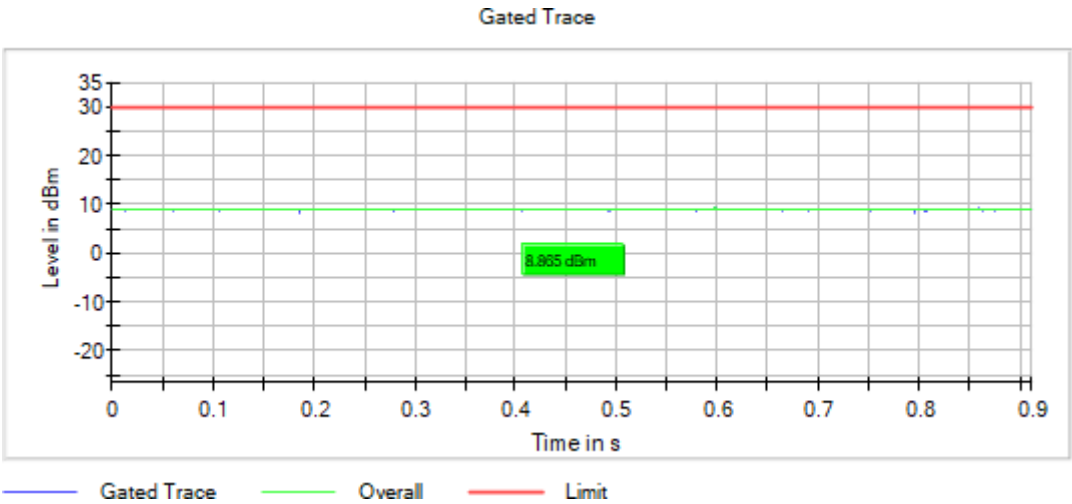
Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



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

Antenna Gain: -2.8

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5190.00000	10.0	7.2
5230.00000	11.0	8.2
5270.00000	10.8	8.0
5310.00000	10.7	7.9
5510.00000	10.4	7.6
5670.00000	10.0	7.2
5755.00000	10.1	7.3
5795.00000	10.1	7.3

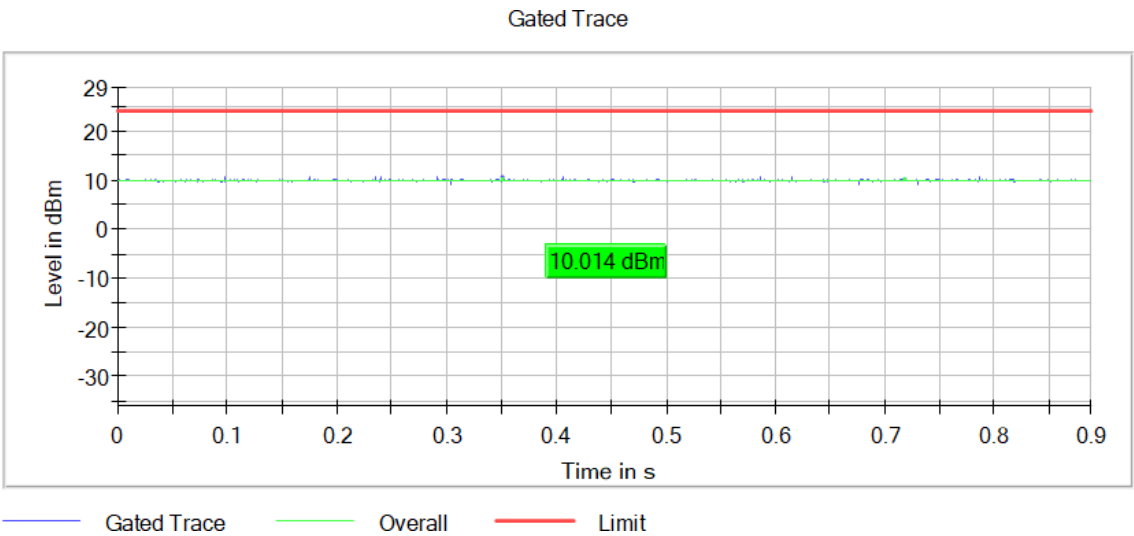
Verdict

Pass

Attachments

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

Images:

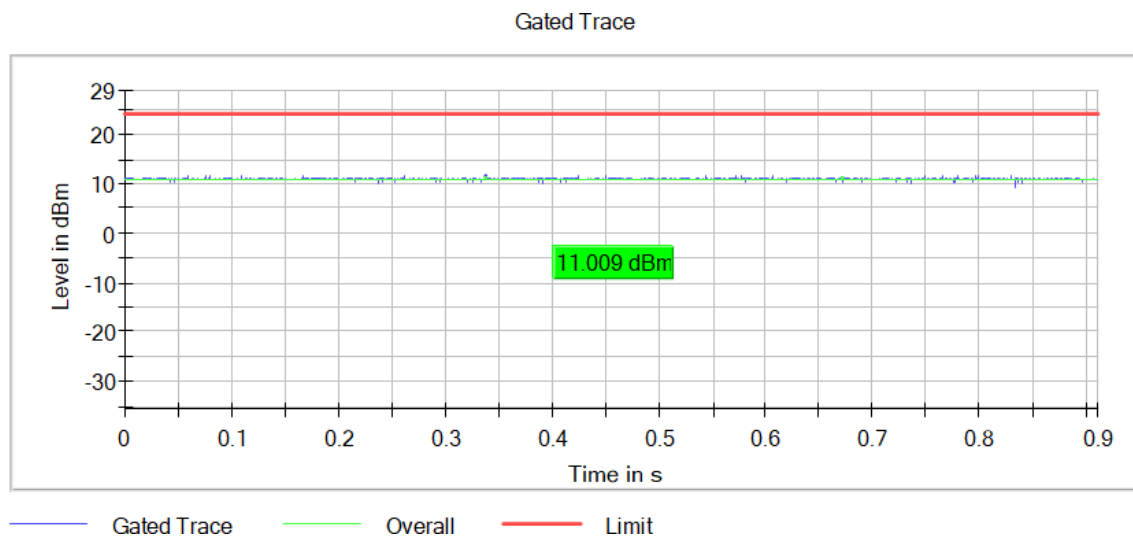


Frequency MHz = 5230.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

TPC = No MIMO Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:

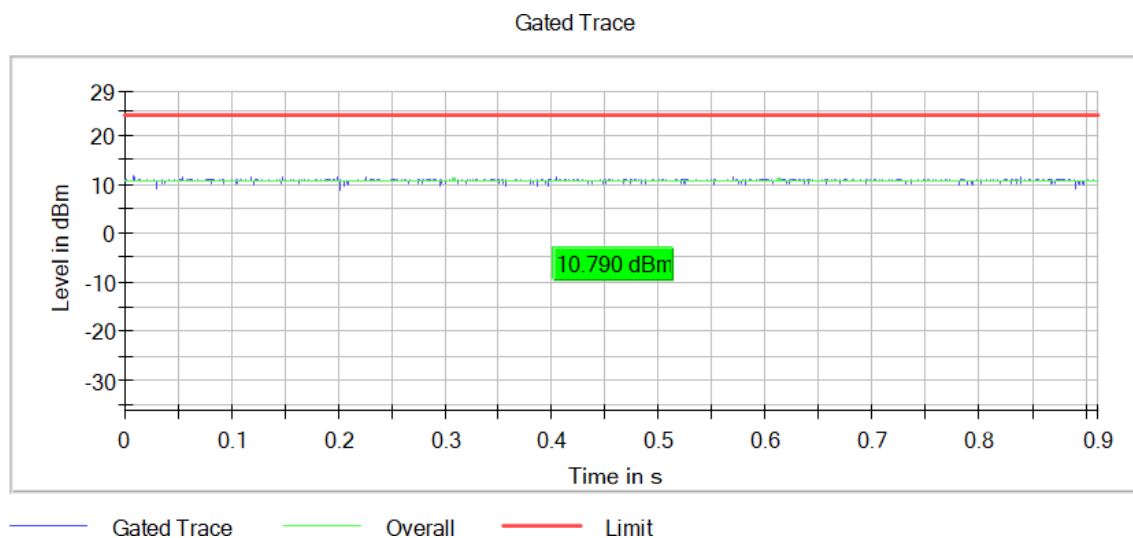


Frequency MHz = 5270.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

TPC = No MIMO Mode = MIMO CCD Mode 2x2

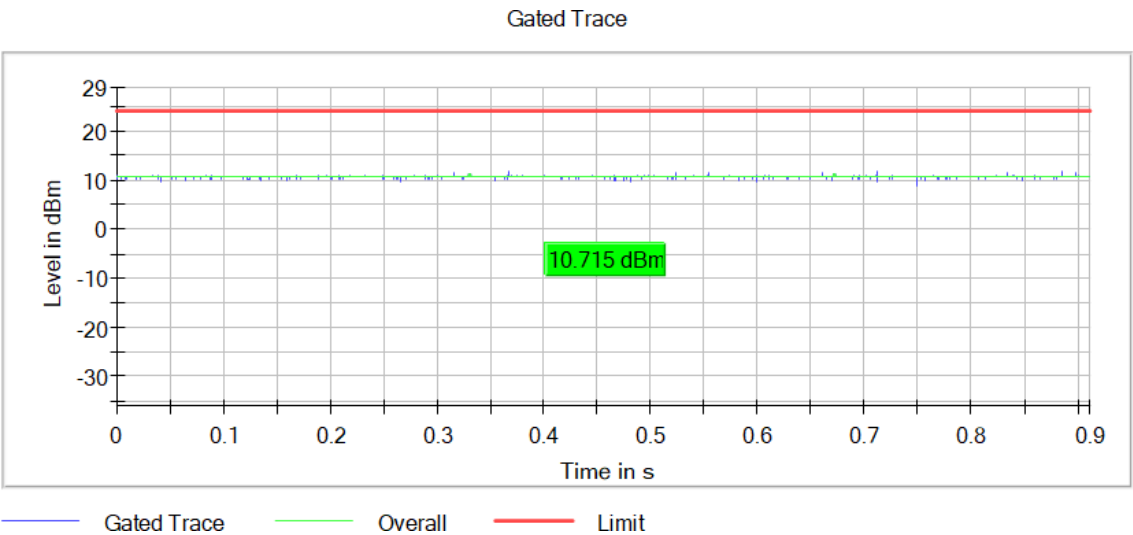
Number of Transmission Chains = 2

Images:



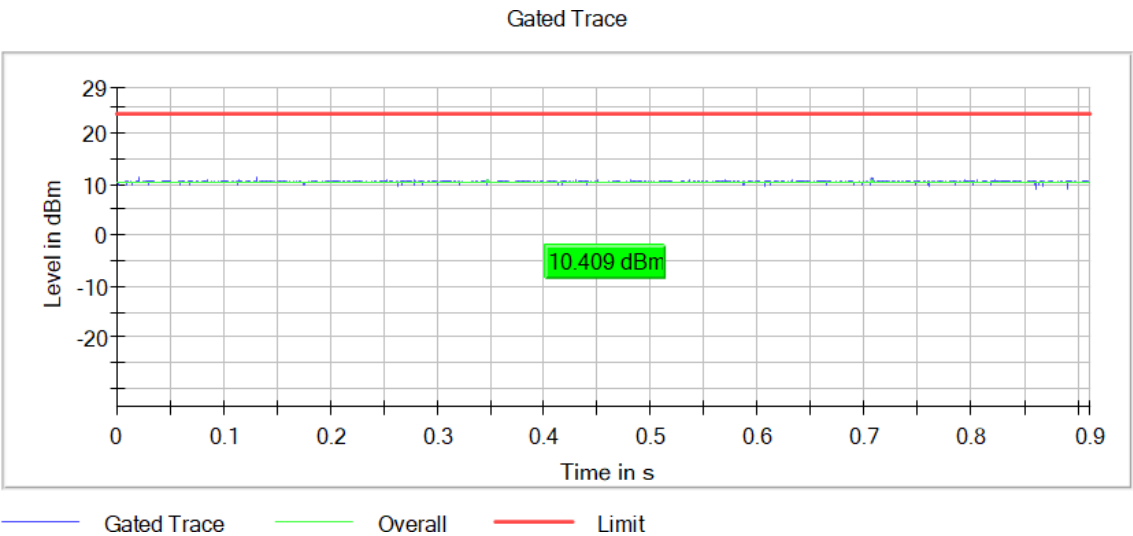
Frequency MHz = 5310.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



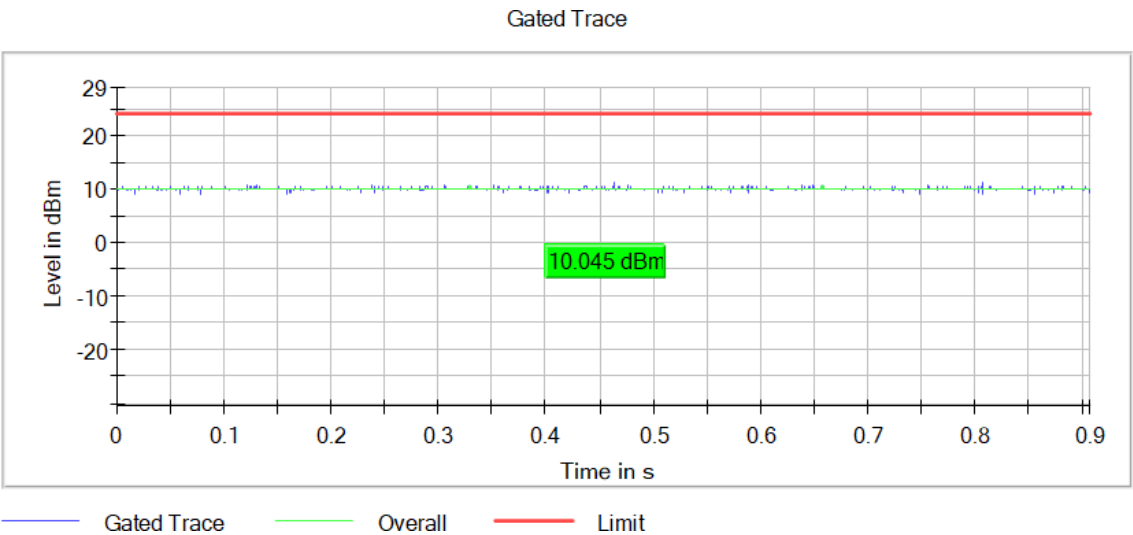
Frequency MHz = 5510.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



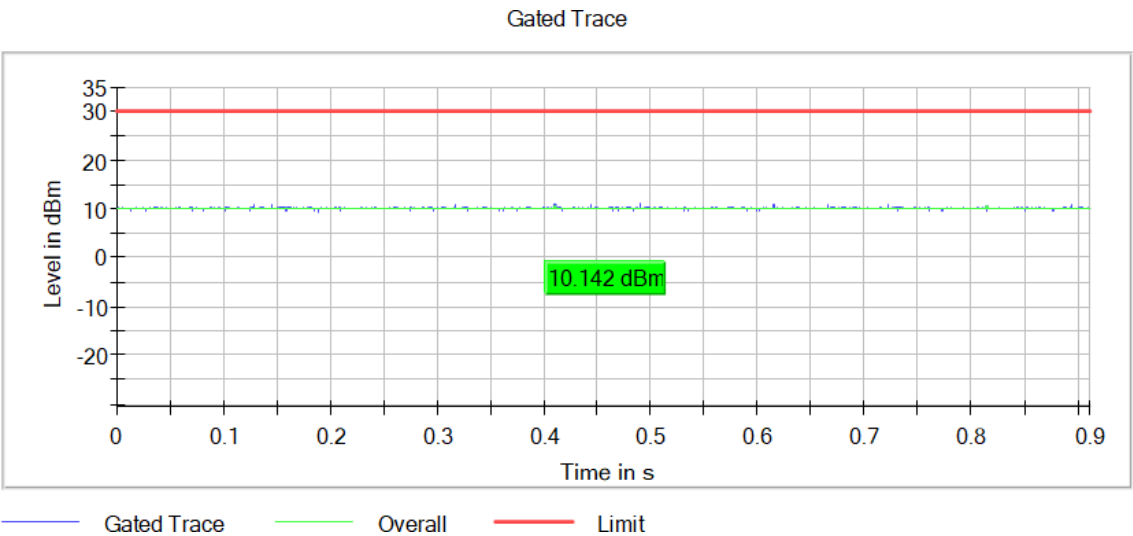
Frequency MHz = 5670.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



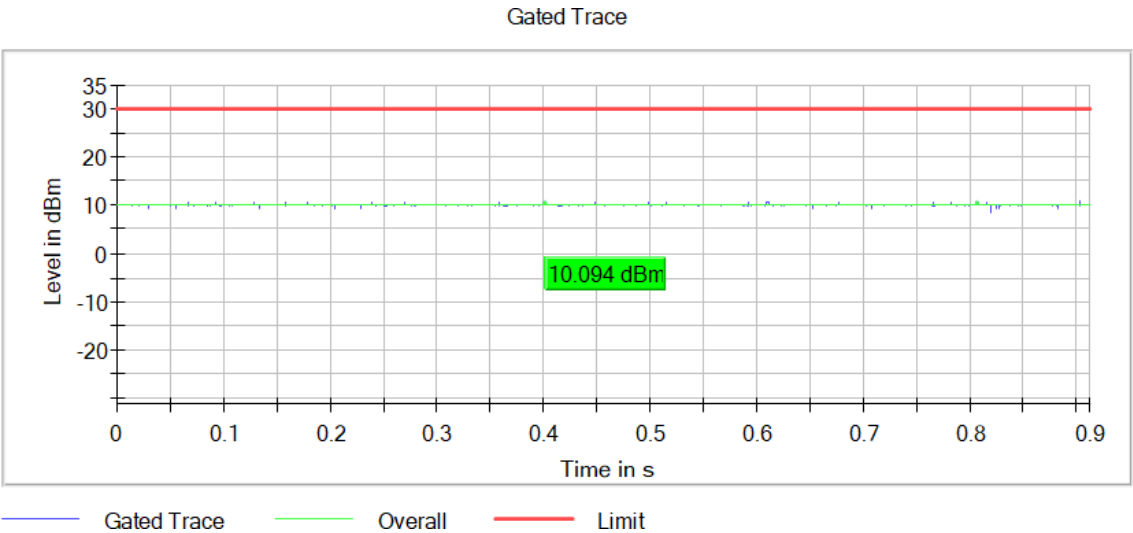
Frequency MHz = 5755.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



Frequency MHz = 5795.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



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

Declared Antenna gain: -2.8 dBi

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5210.00000	10.2	7.4
5290.00000	11.3	8.5
5530.00000	10.1	7.3
5610.00000	12.3	9.5
5775.00000	10.4	7.6

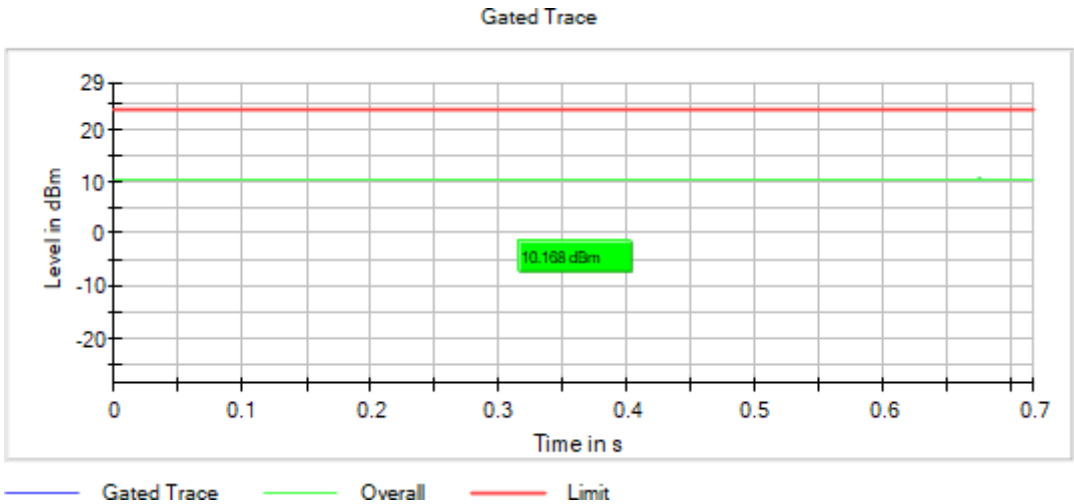
Verdict

Pass

Attachments

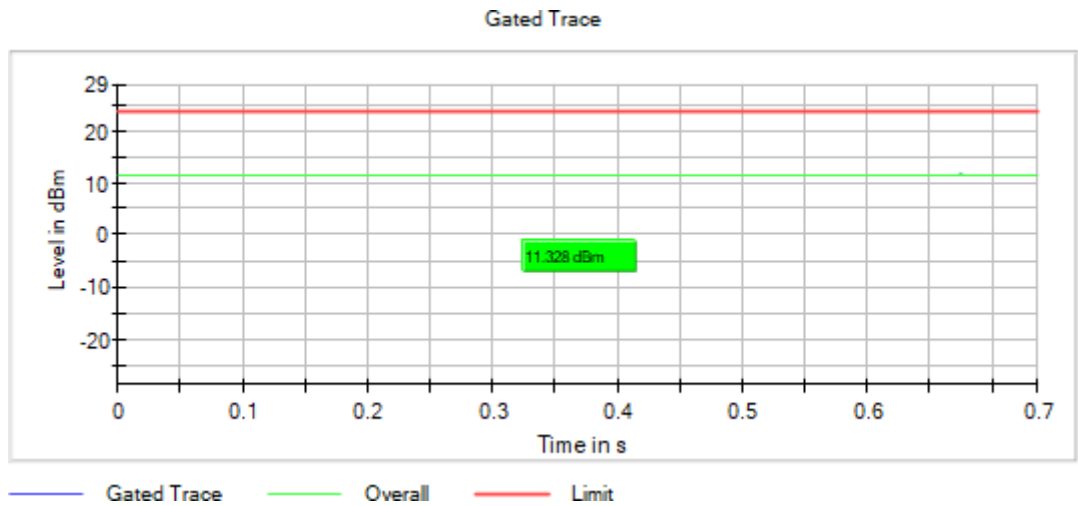
Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



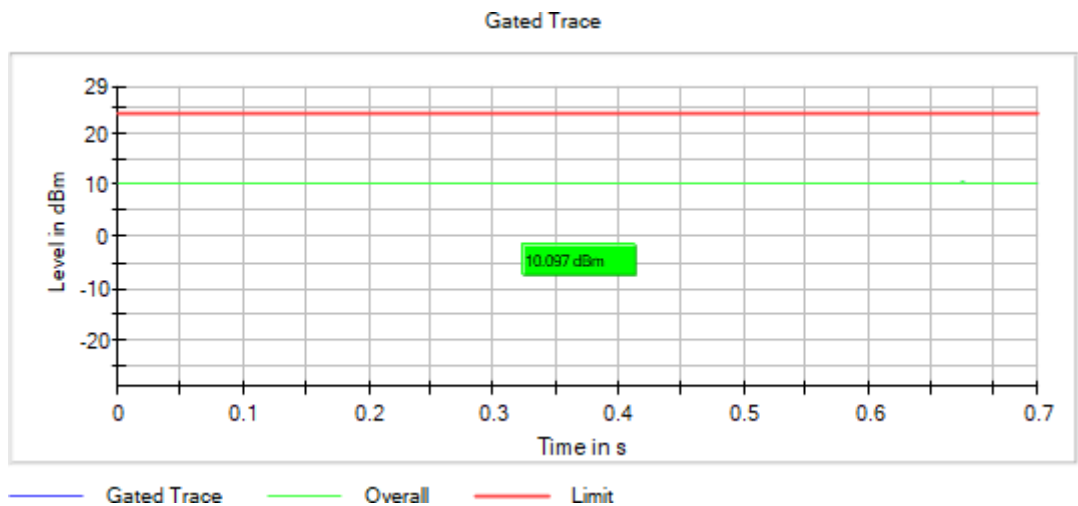
Frequency MHz = 5290.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



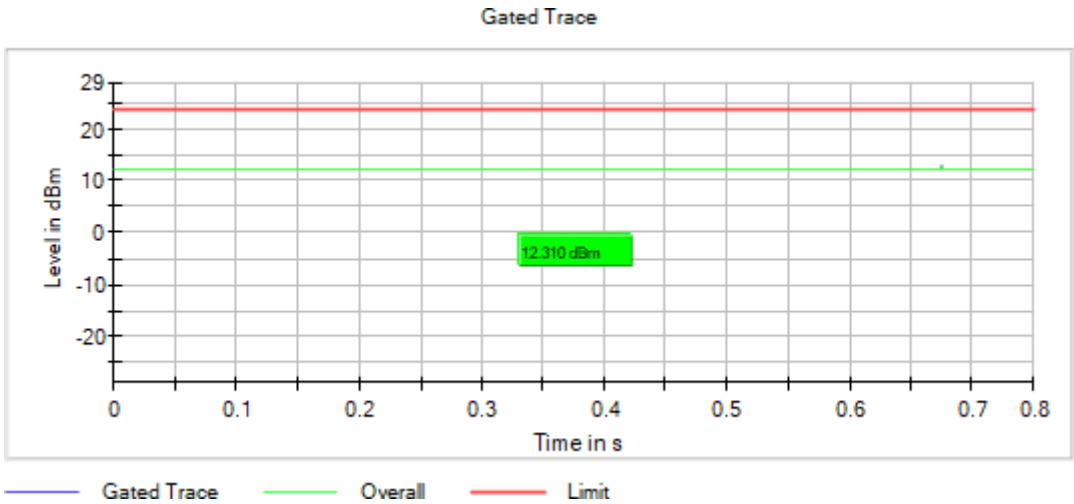
Frequency MHz = 5530.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



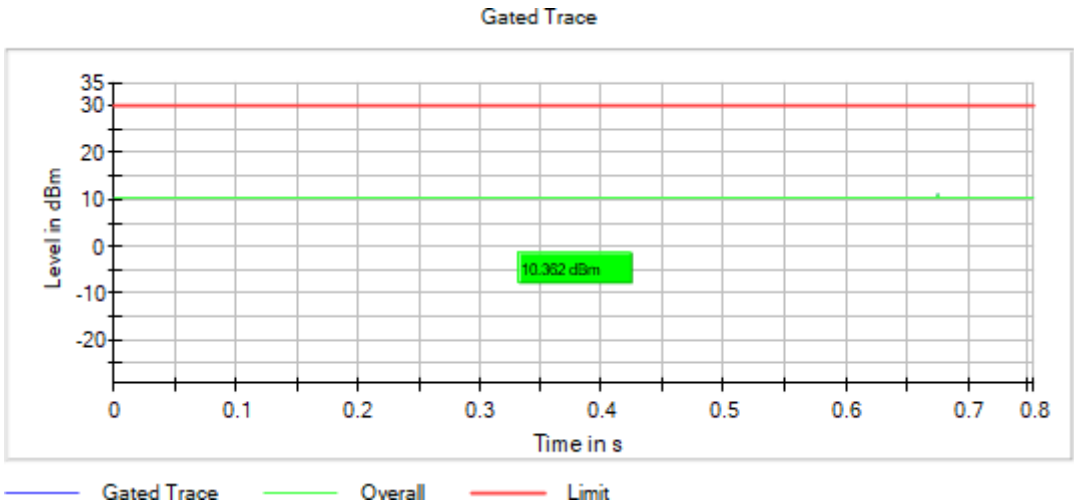
Frequency MHz = 5610.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



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

Antenna Gain: -2.8

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5210.00000	9.3	6.5
5290.00000	9.9	7.1
5530.00000	7.9	5.1
5610.00000	9.4	6.6
5775.00000	10.1	7.3

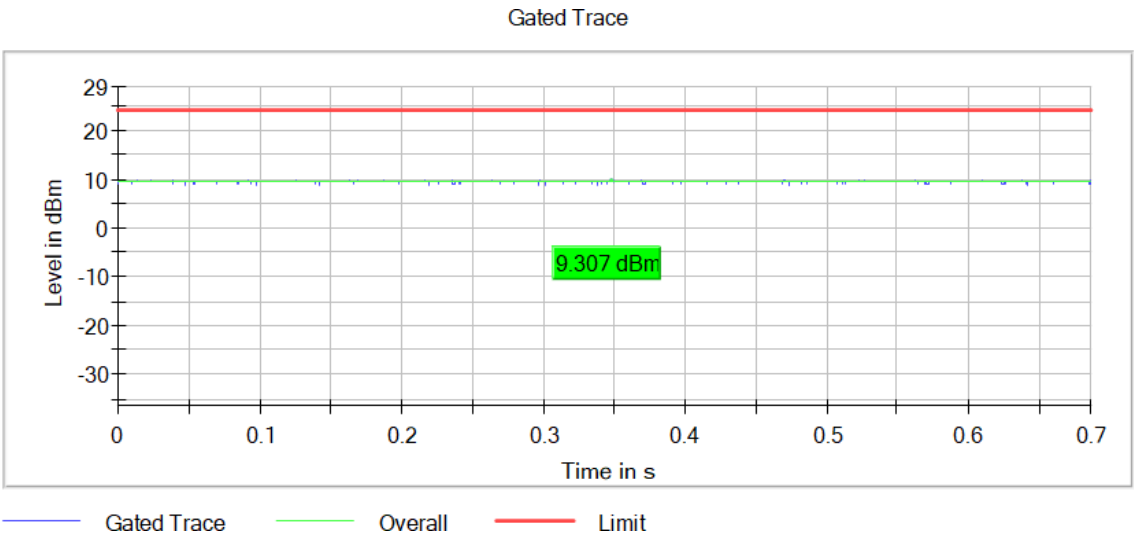
Verdict

Pass

Attachments

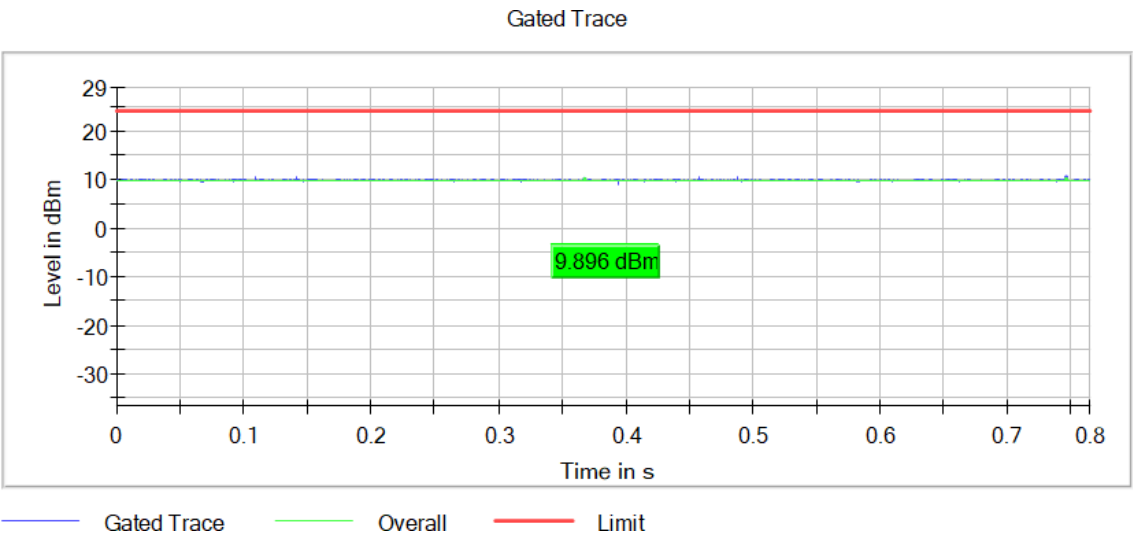
Frequency MHz = 5210.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



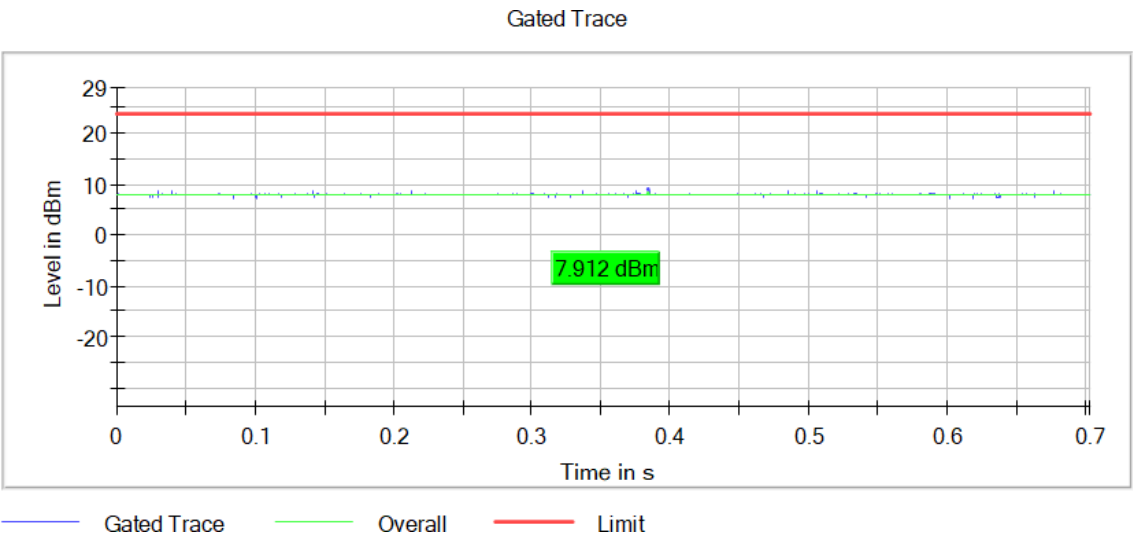
Frequency MHz = 5290.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No MIMO Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



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

Images:

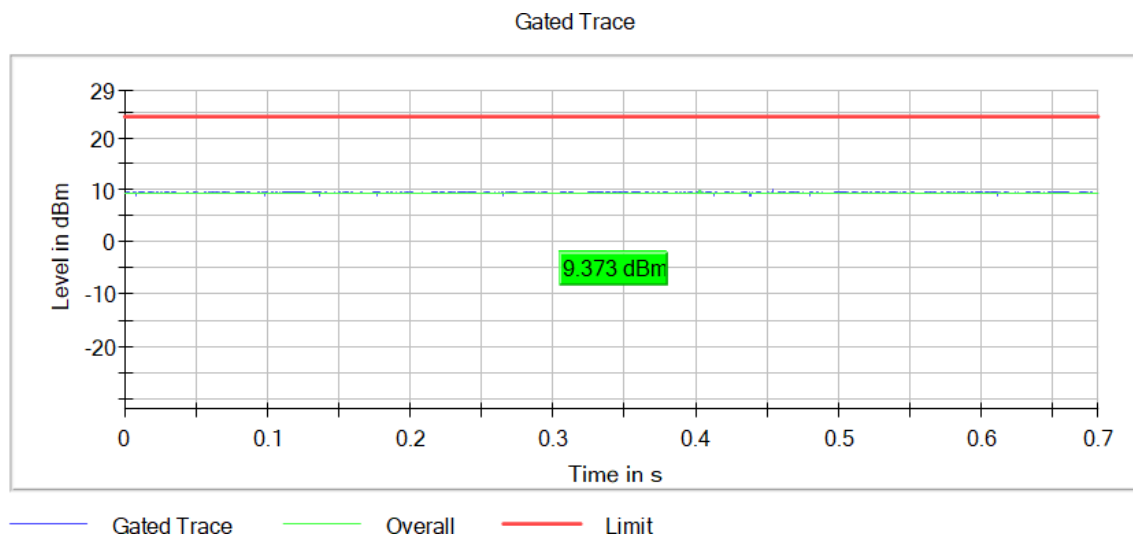


Frequency MHz = 5610.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

TPC = No MIMO Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:

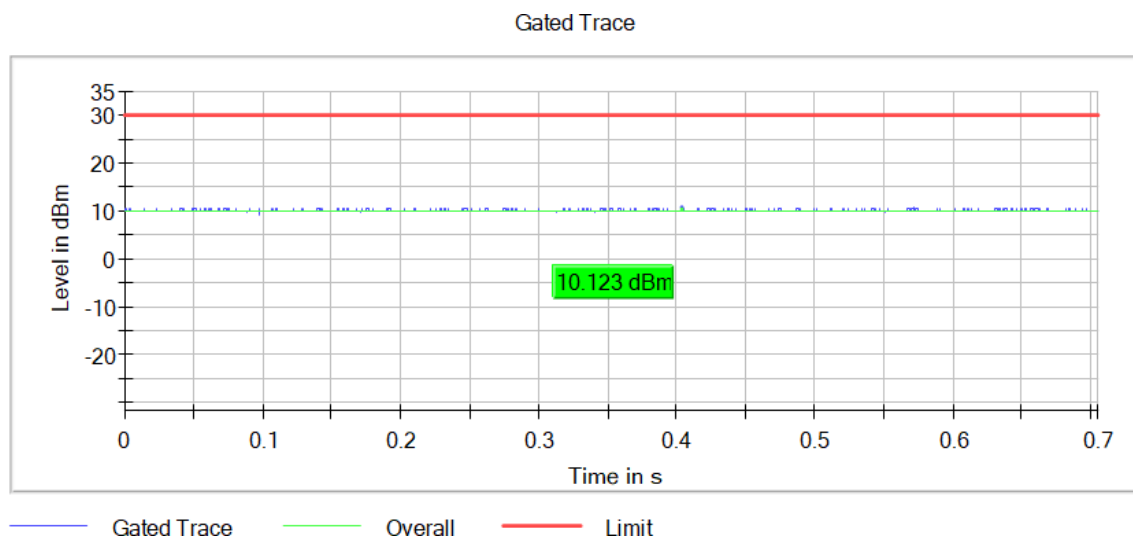


Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)

TPC = No MIMO Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:
Spectrum Analyzer Parameters

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

Modulation: 802.11ac VHT20 SS1 (OFDM MCS8) Beam forming
Results

Antenna Gain: -2.8

Test Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5180.00000	10.3	7.5
5200.00000	9.8	7.0
5240.00000	9.9	7.1
5260.00000	8.8	6.0
5280.00000	9.5	6.7
5320.00000	8.7	5.9
5500.00000	5.8	3.0
5580.00000	7.9	5.1
5700.00000	6.7	3.9
5745.00000	6.1	3.3
5785.00000	6.8	4.0
5825.00000	6.4	3.6

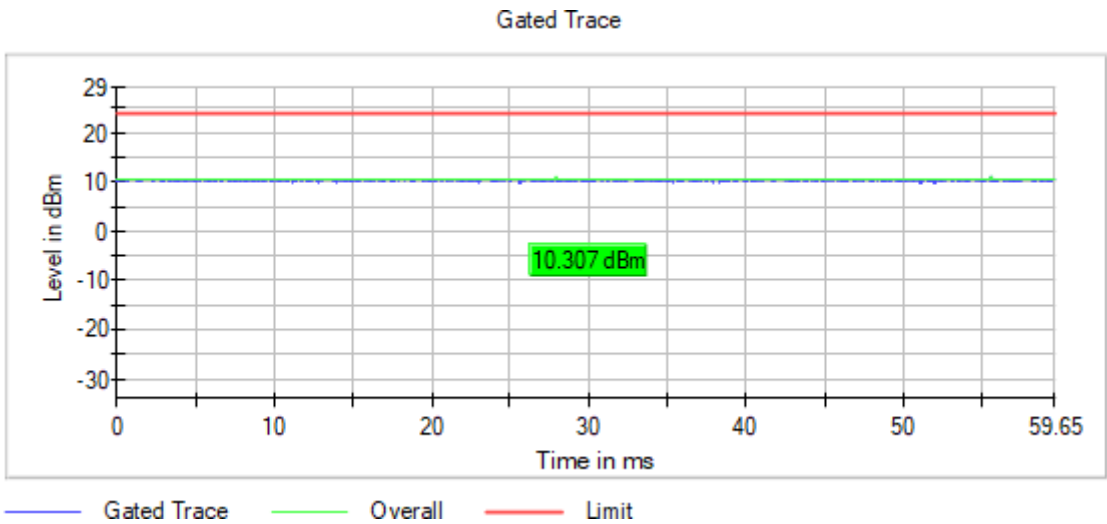
Verdict

Pass

Attachments

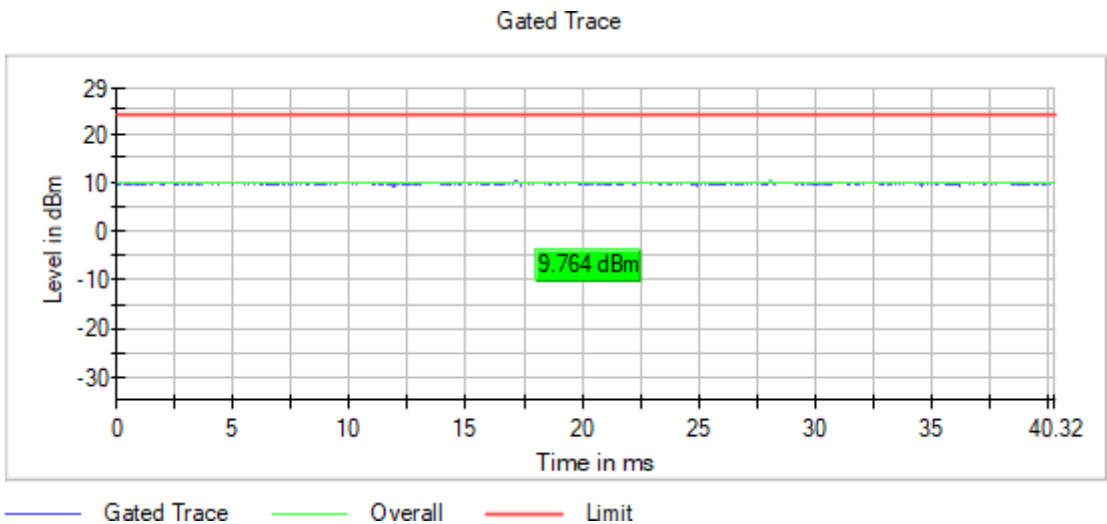
Frequency MHz = 5180.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



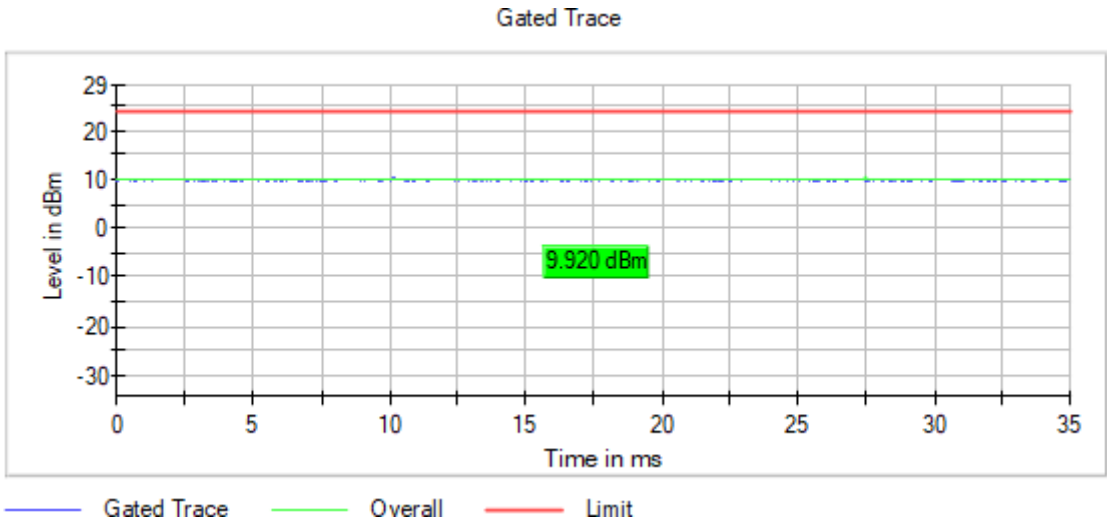
Frequency MHz = 5200.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



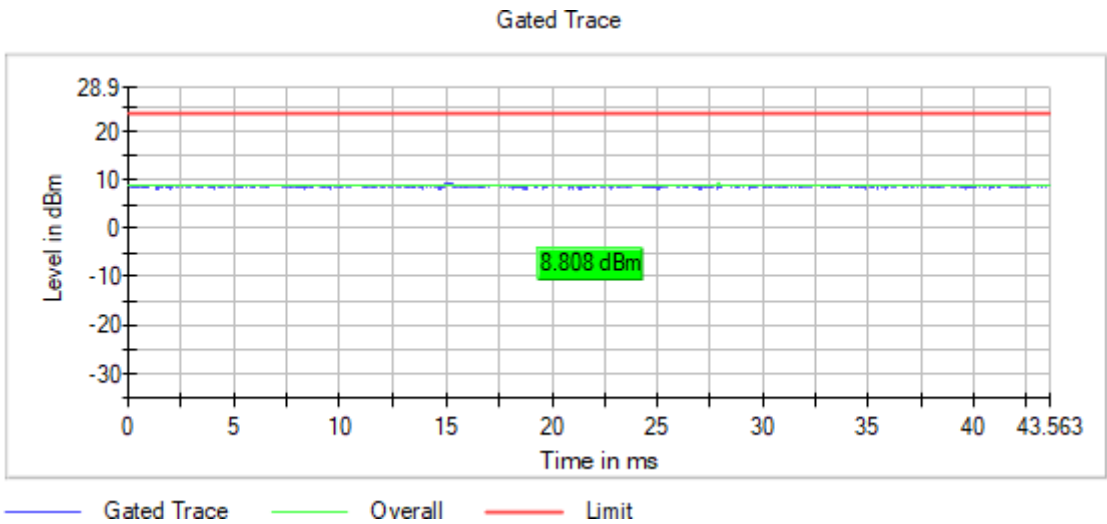
Frequency MHz = 5240.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



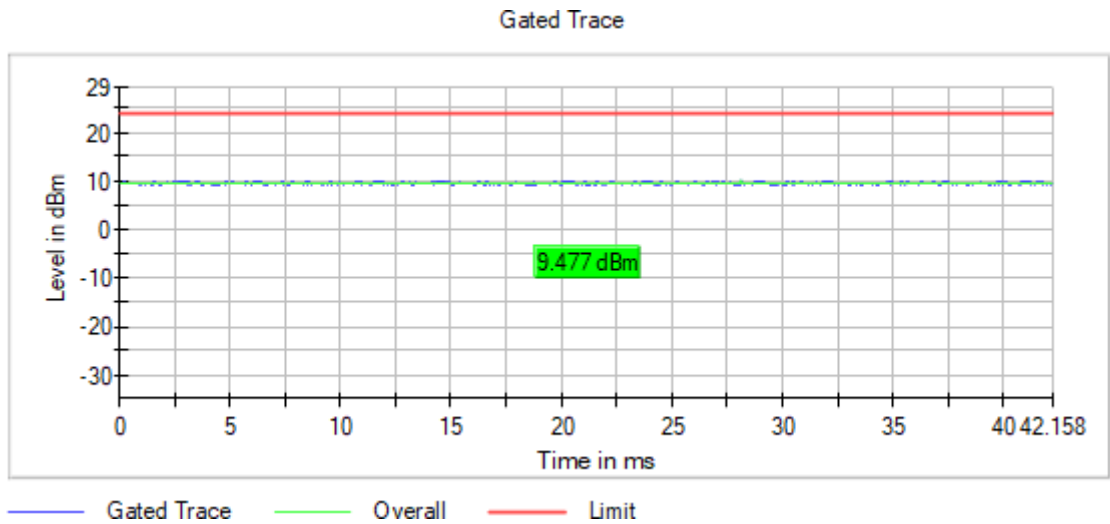
Frequency MHz = 5260.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



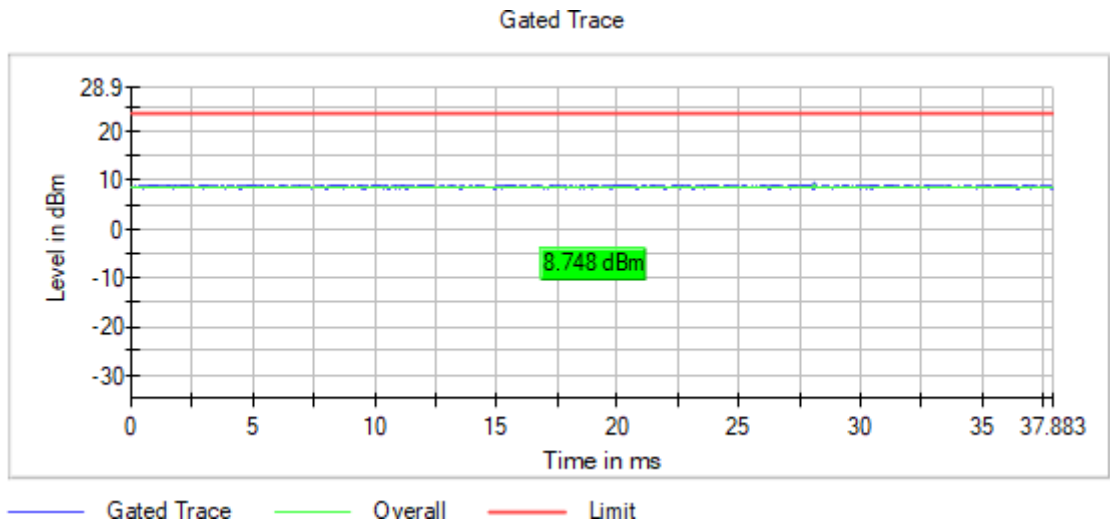
Frequency MHz = 5280.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



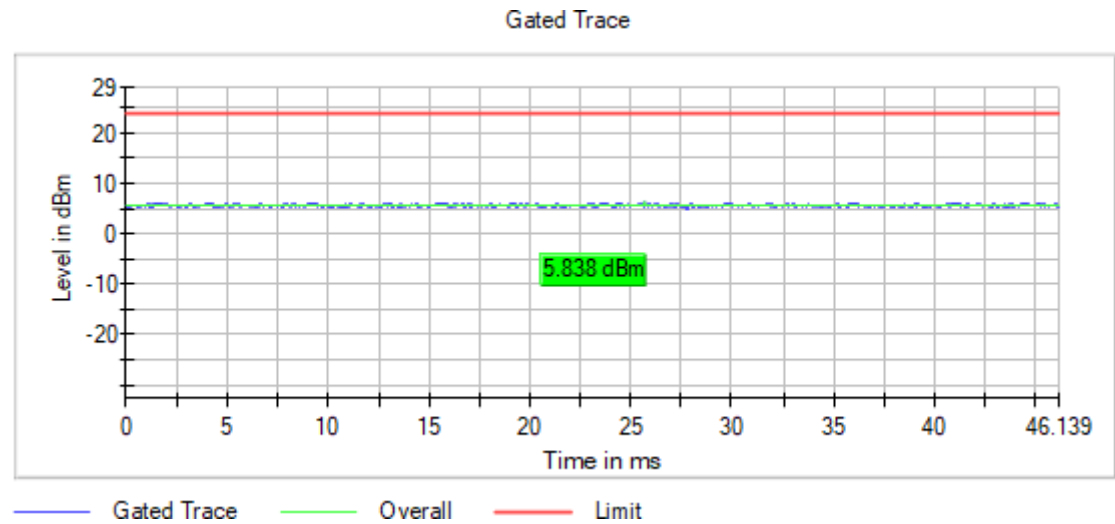
Frequency MHz = 5320.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



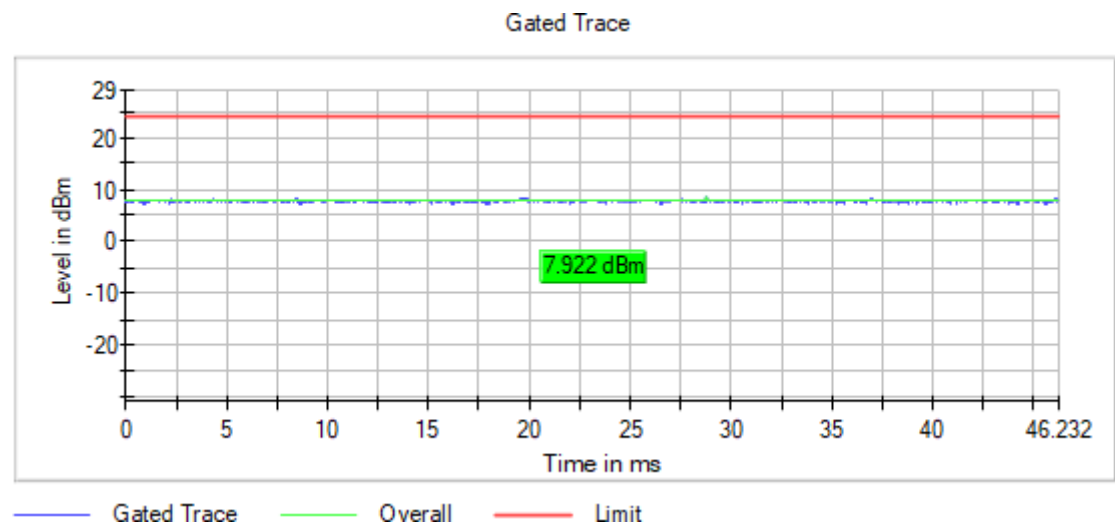
Frequency MHz = 5500.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



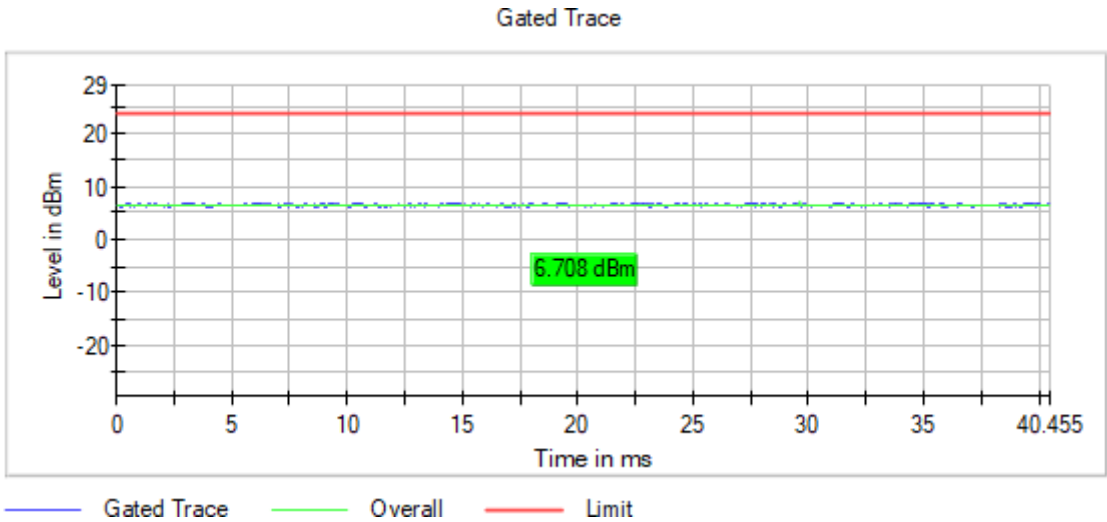
Frequency MHz = 5580.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



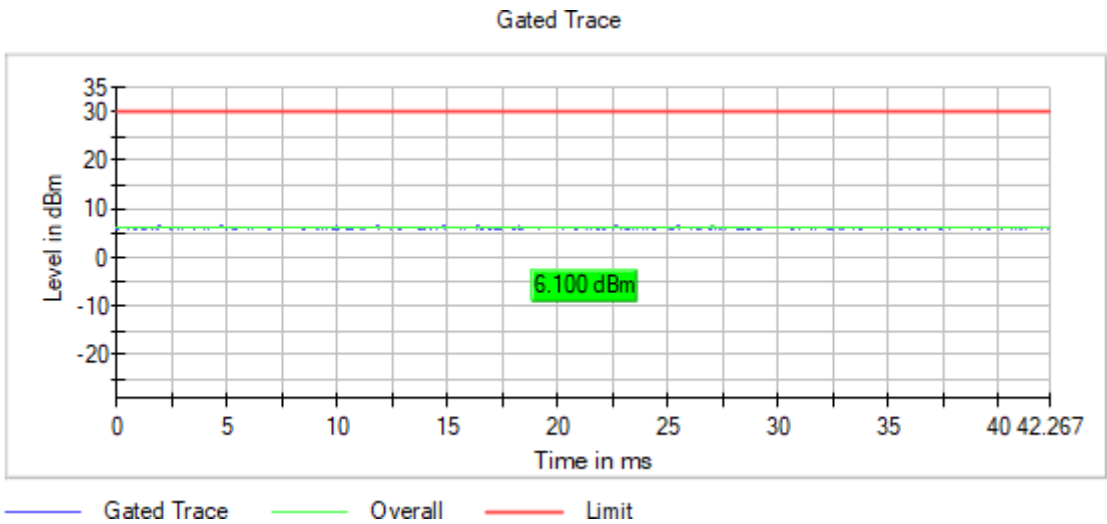
Frequency MHz = 5700.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



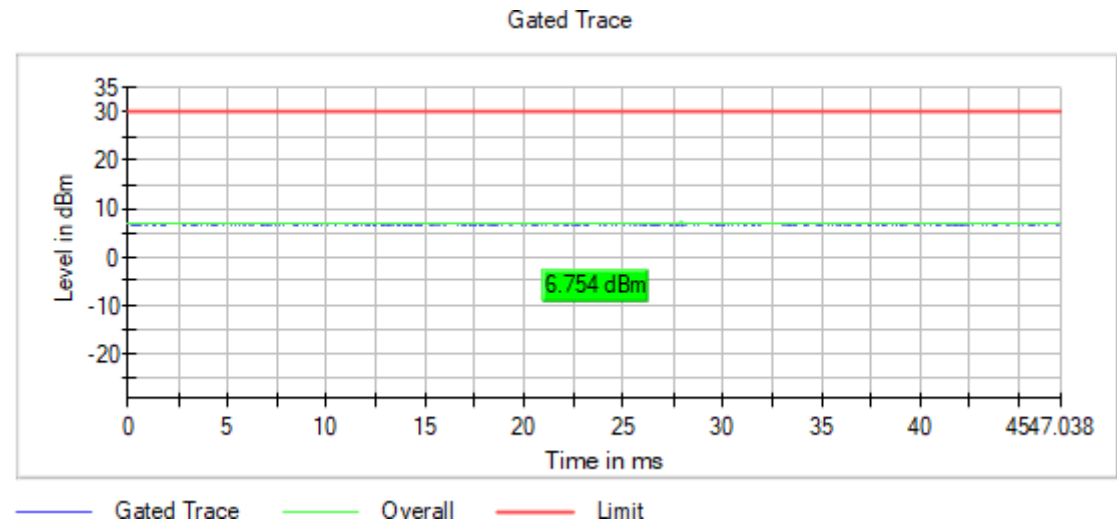
Frequency MHz = 5745.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



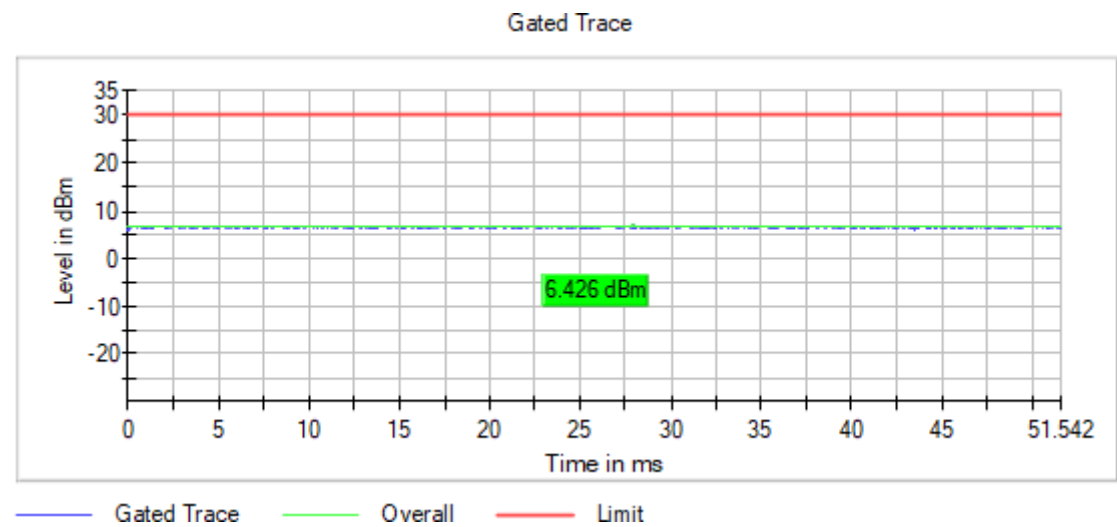
Frequency MHz = 5785.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ac VHT40 SS1 (OFDM MCS9) Beam forming
Results

Antenna Gain: -2.8

Test Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5190.00000	8.0	5.2
5230.00000	8.2	5.4
5270.00000	8.4	5.6
5310.00000	5.6	2.8
5510.00000	3.2	0.4
5550.00000	6.5	3.7
5670.00000	5.9	3.1
5755.00000	7.3	4.5
5795.00000	7.8	5.0

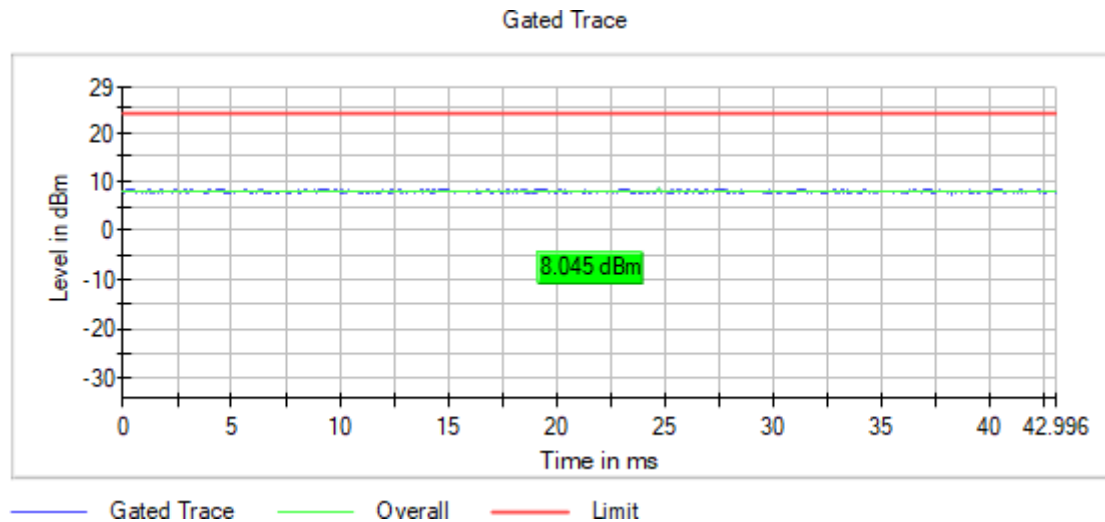
Verdict

Pass

Attachments

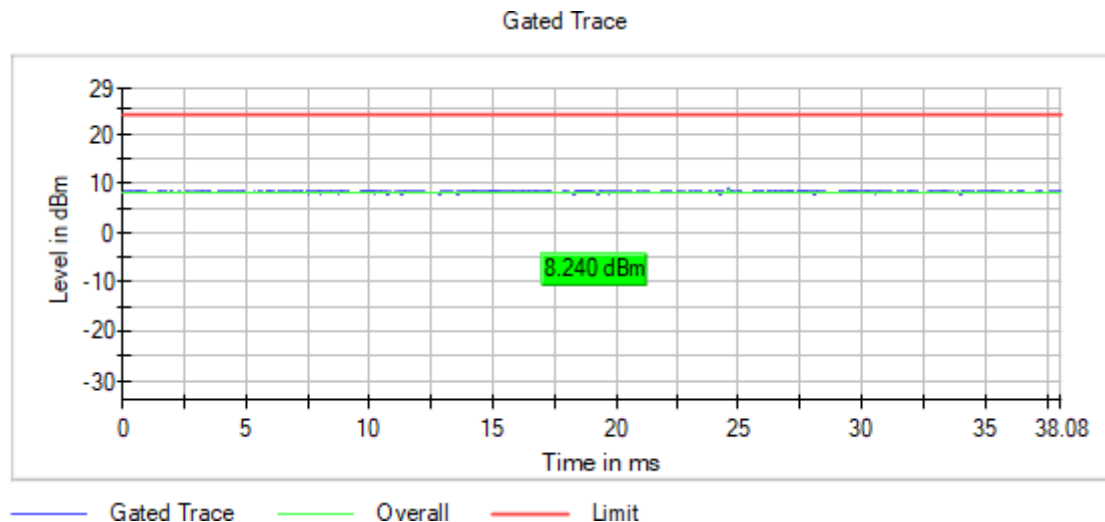
Frequency MHz = 5190.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



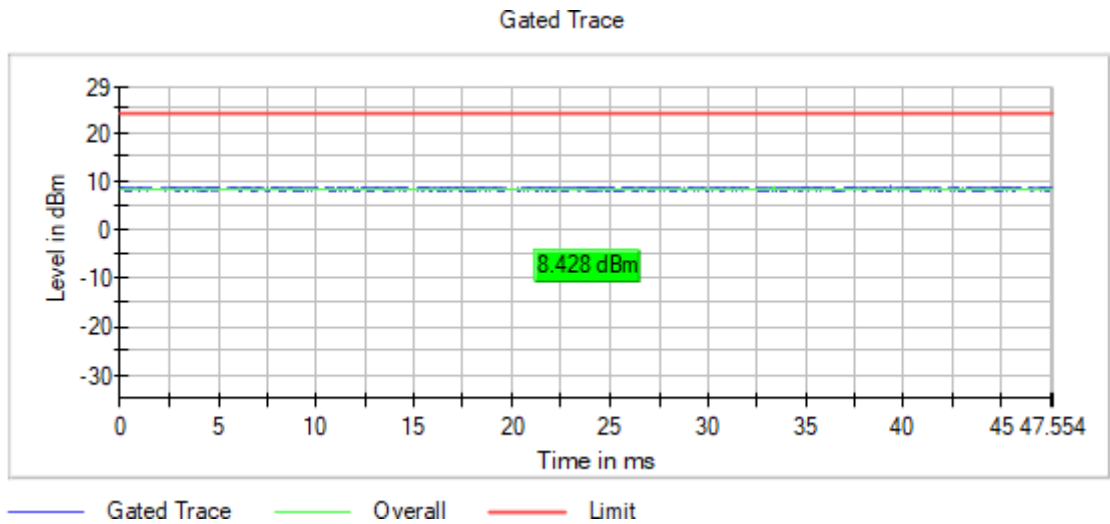
Frequency MHz = 5230.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



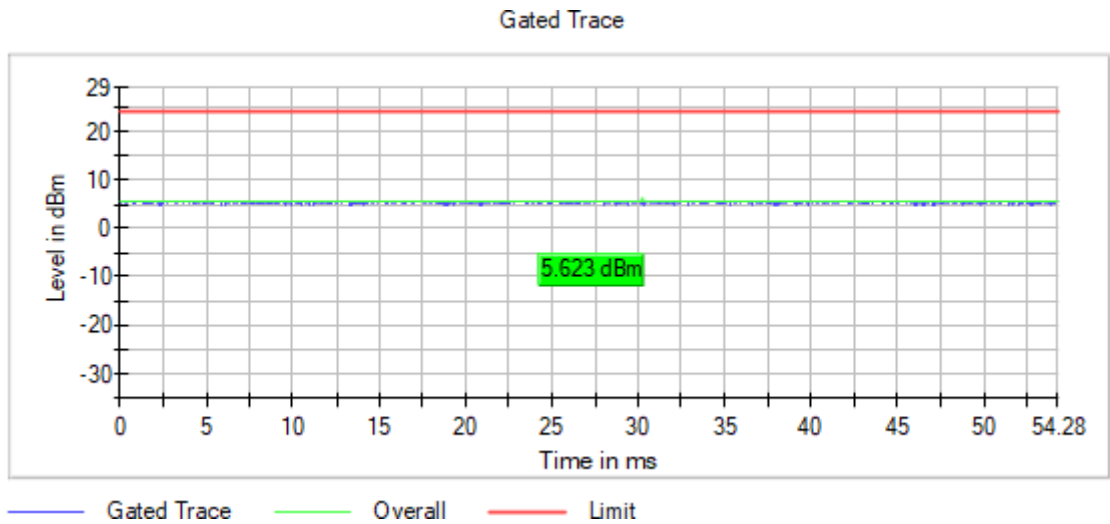
Frequency MHz = 5270.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



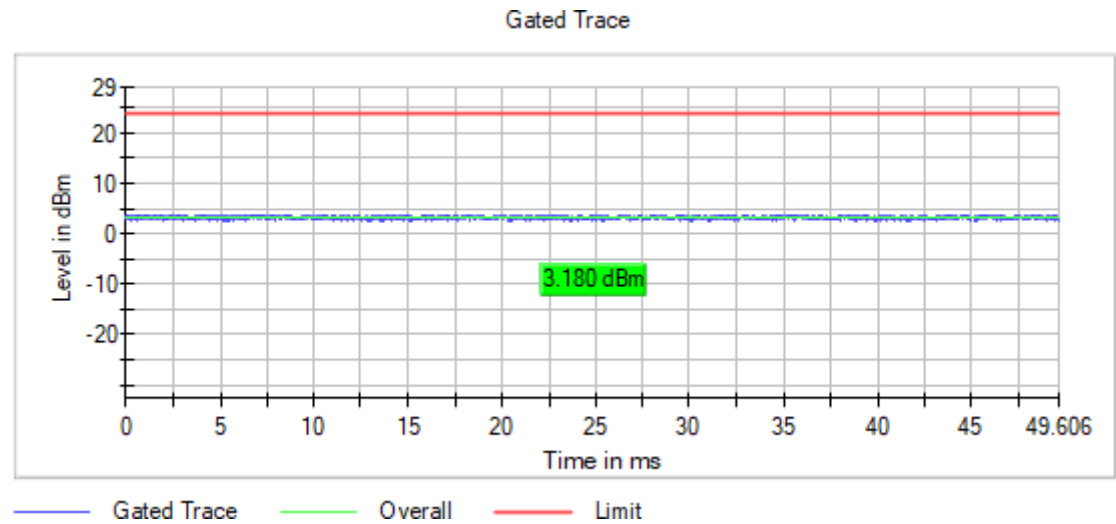
Frequency MHz = 5310.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



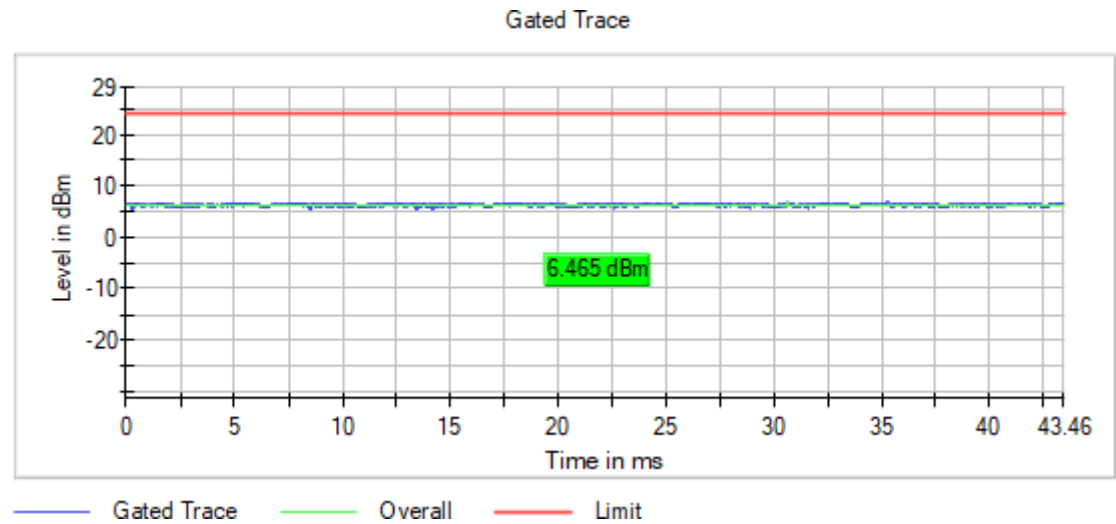
Frequency MHz = 5510.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



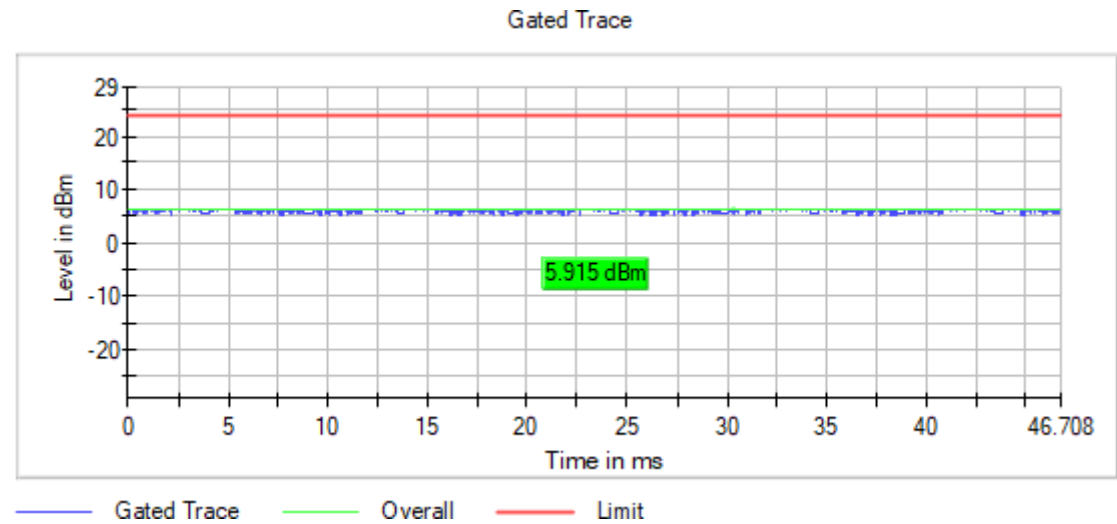
Frequency MHz = 5550.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



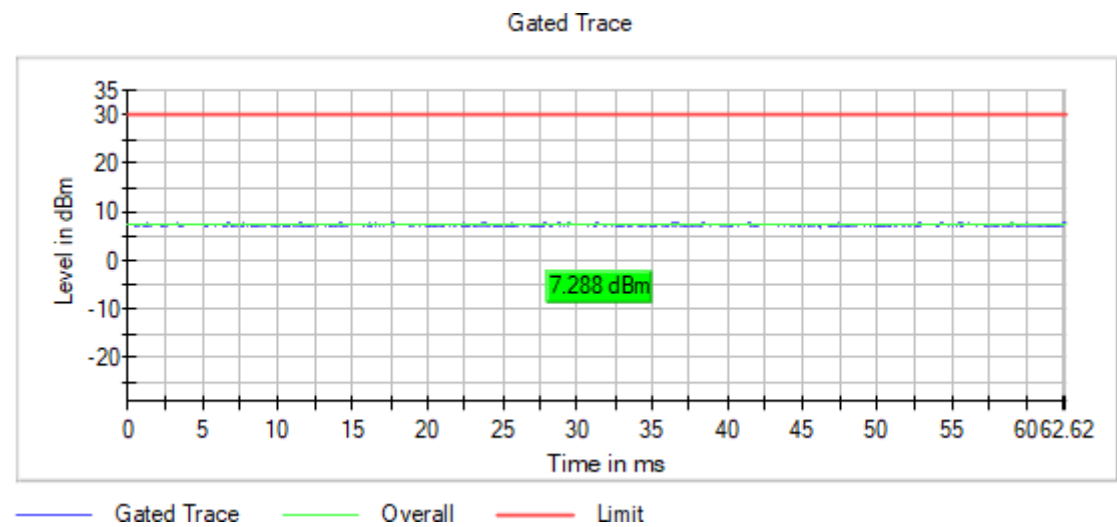
Frequency MHz = 5670.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



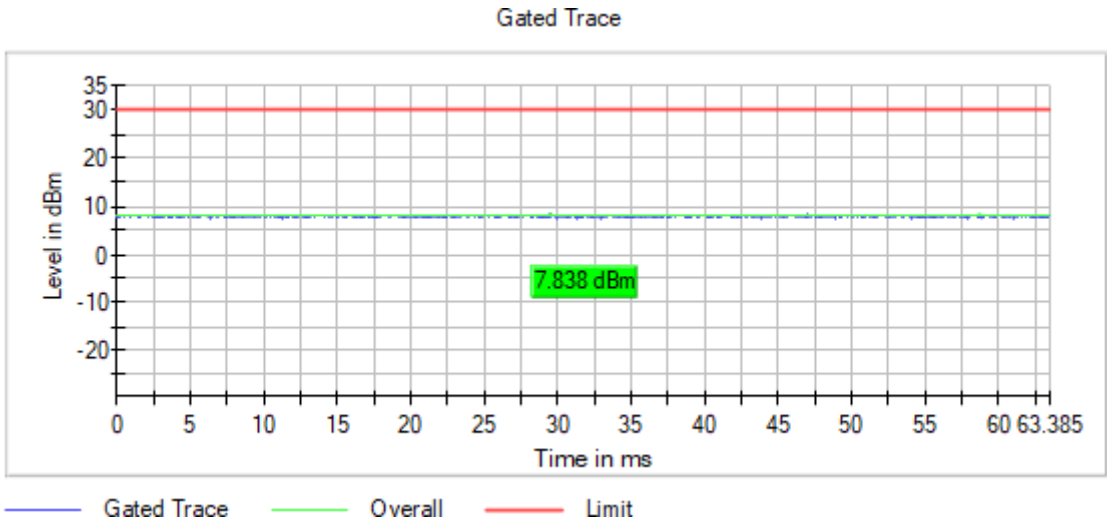
Frequency MHz = 5755.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ac VHT80 SS1 (OFDM MCS9) Beam forming
Results

Antenna Gain: -2.8

Test Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5210.00000	6.4	3.6
5290.00000	5.0	2.2
5530.00000	2.8	0.0
5610.00000	6.9	4.1
5775.00000	9.4	6.6
5775.00000	10.0	7.2

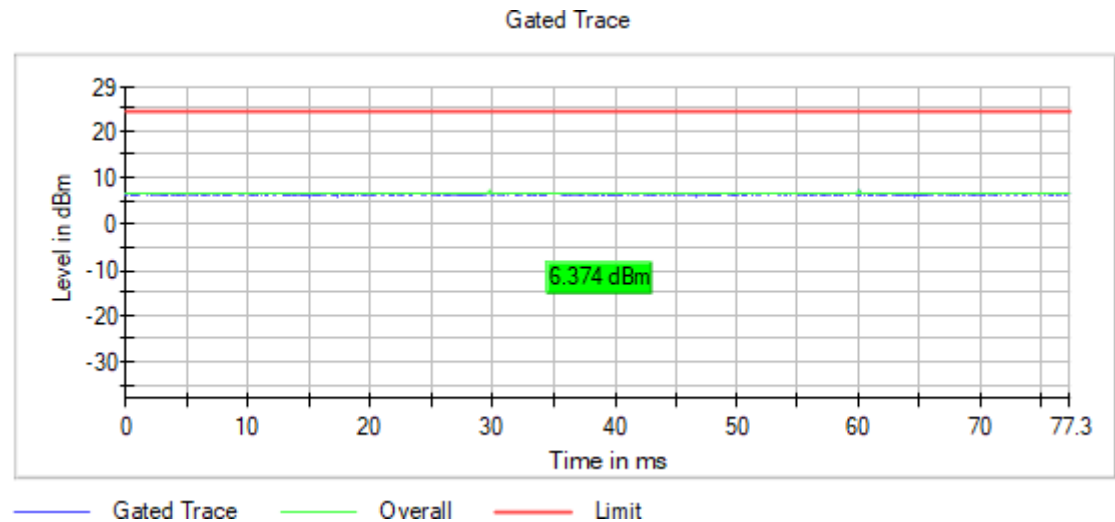
Verdict

Pass

Attachments

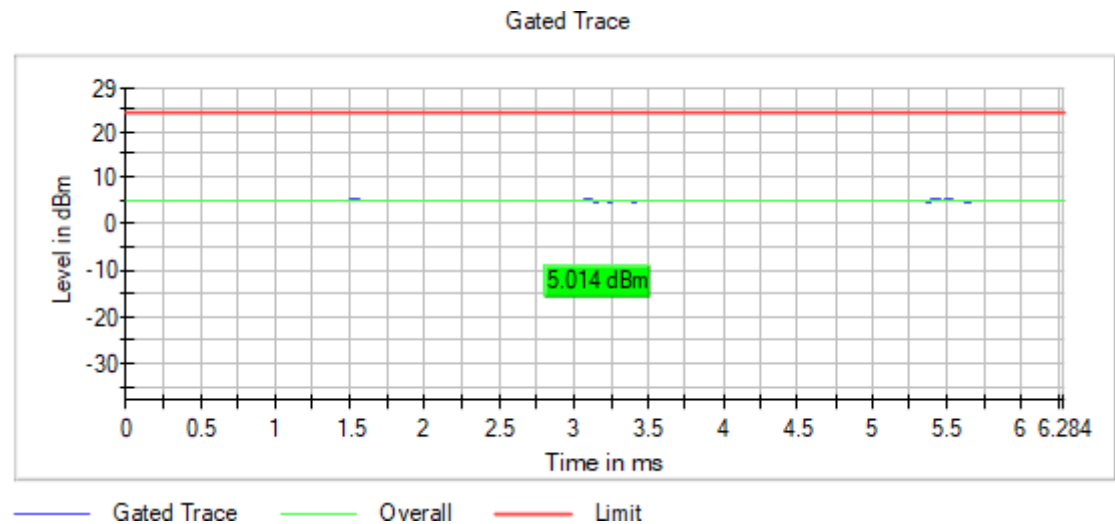
Frequency MHz = 5210.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



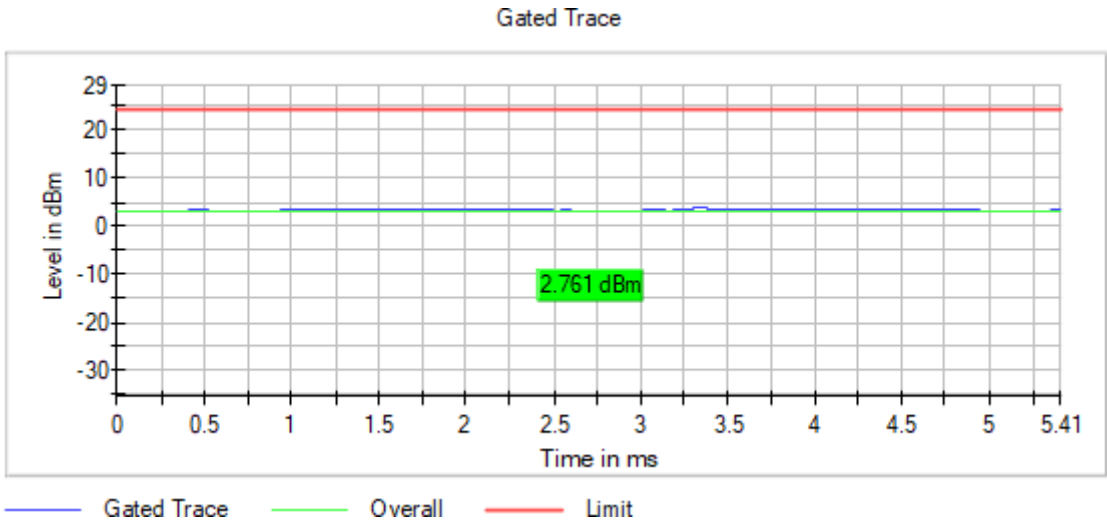
Frequency MHz = 5290.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



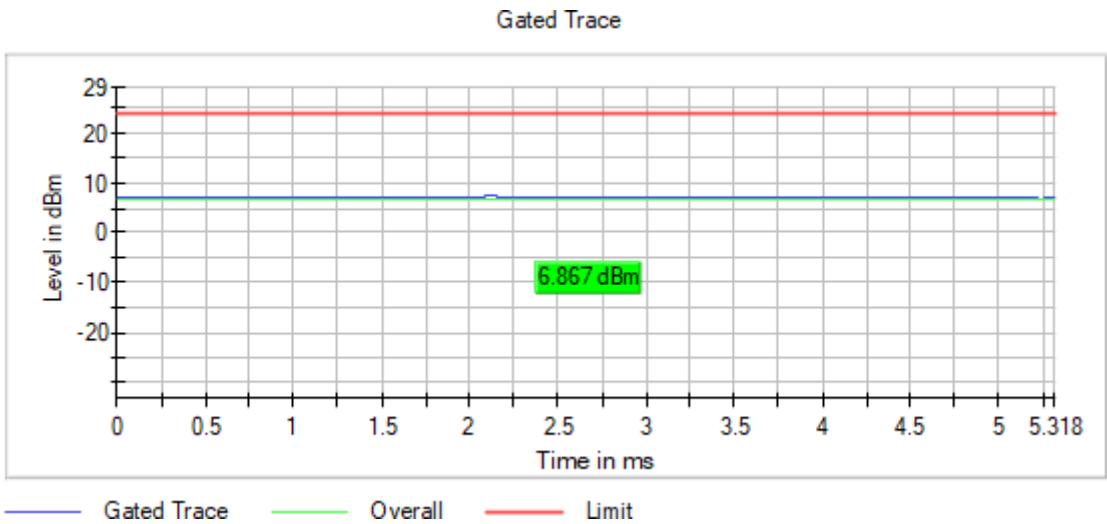
Frequency MHz = 5530.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



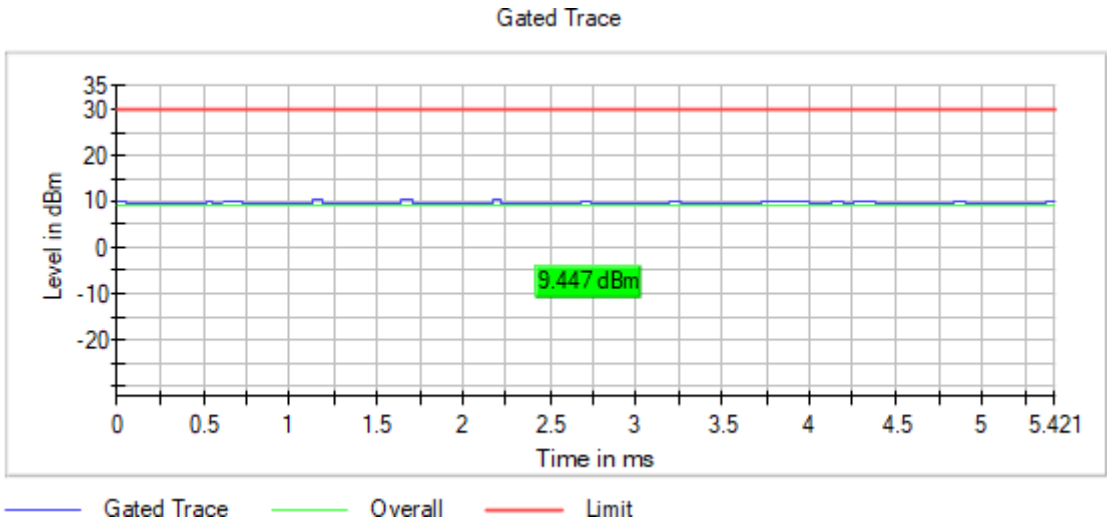
Frequency MHz = 5610.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



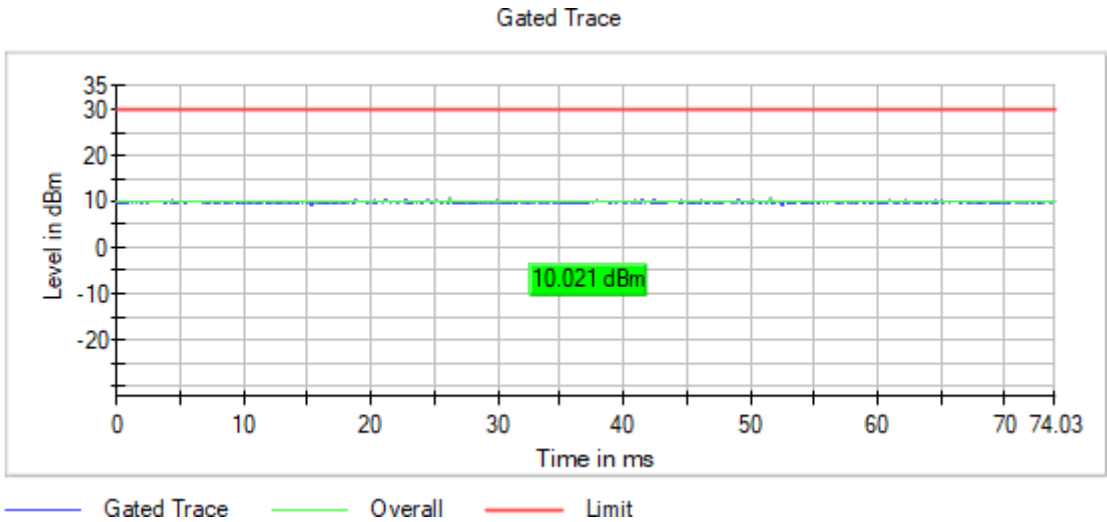
Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ax HE SS1 MCS 8 (OFDM MCS8) Beam forming
Results

Antenna Gain: -2.8

Test Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5180.00000	10.8	8.0
5200.00000	10.2	7.4
5240.00000	10.3	7.5
5260.00000	8.0	5.2
5280.00000	8.7	5.9
5320.00000	9.2	6.4
5500.00000	6.2	3.4
5580.00000	8.2	5.4
5700.00000	7.0	4.2
5745.00000	6.5	3.7
5785.00000	7.2	4.4
5825.00000	7.3	4.5

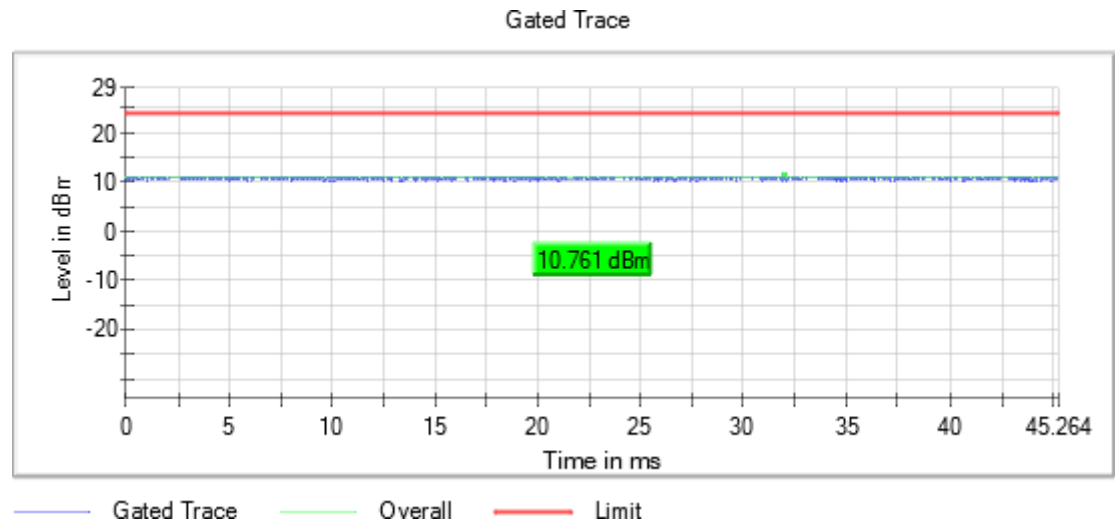
Verdict

Pass

Attachments

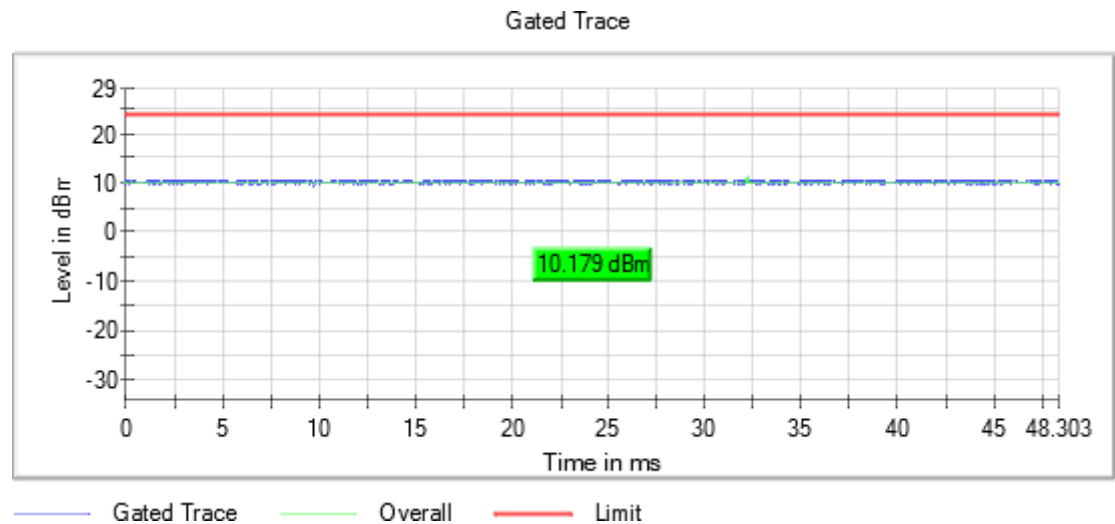
Frequency MHz = 5180.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



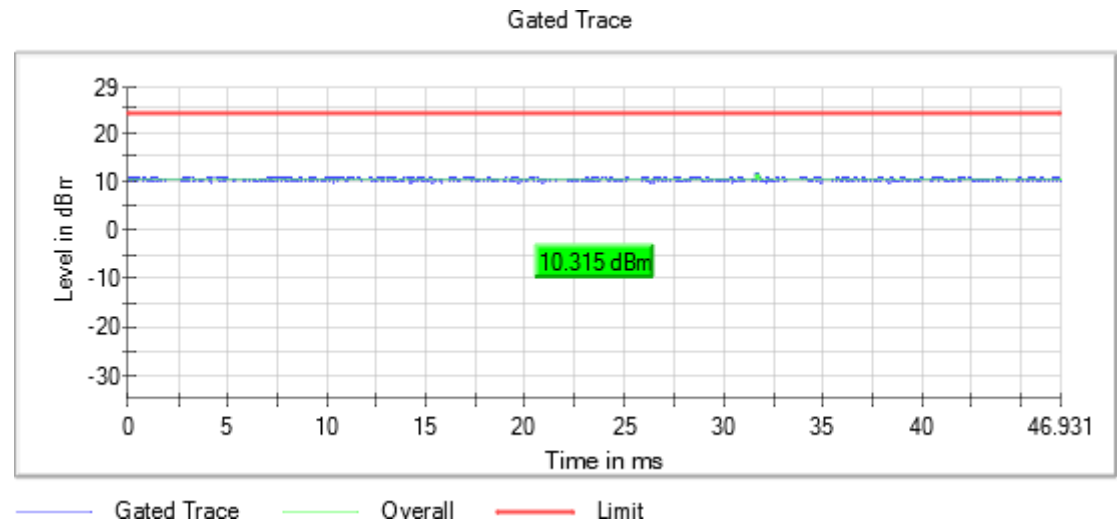
Frequency MHz = 5200.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5240.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



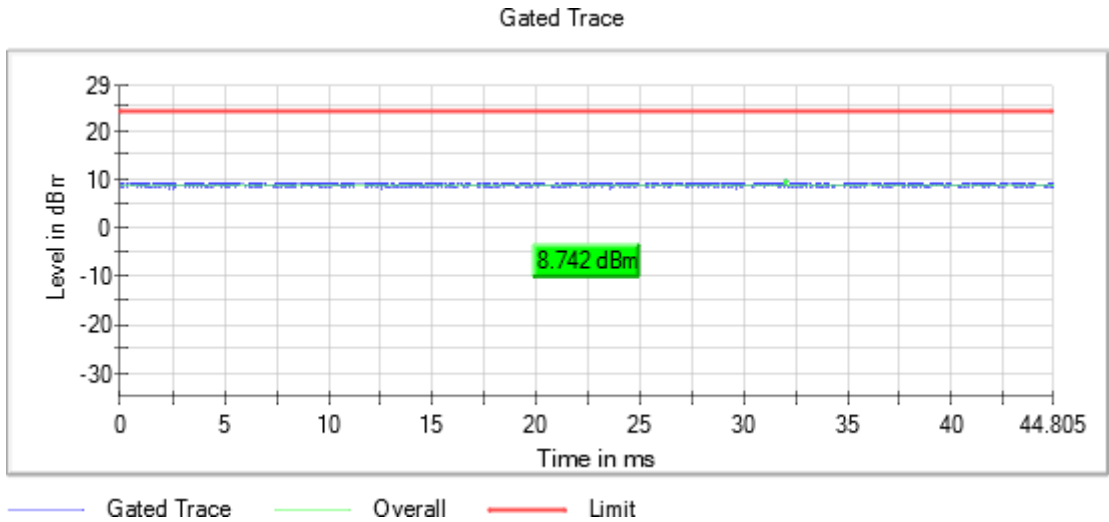
Frequency MHz = 5260.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



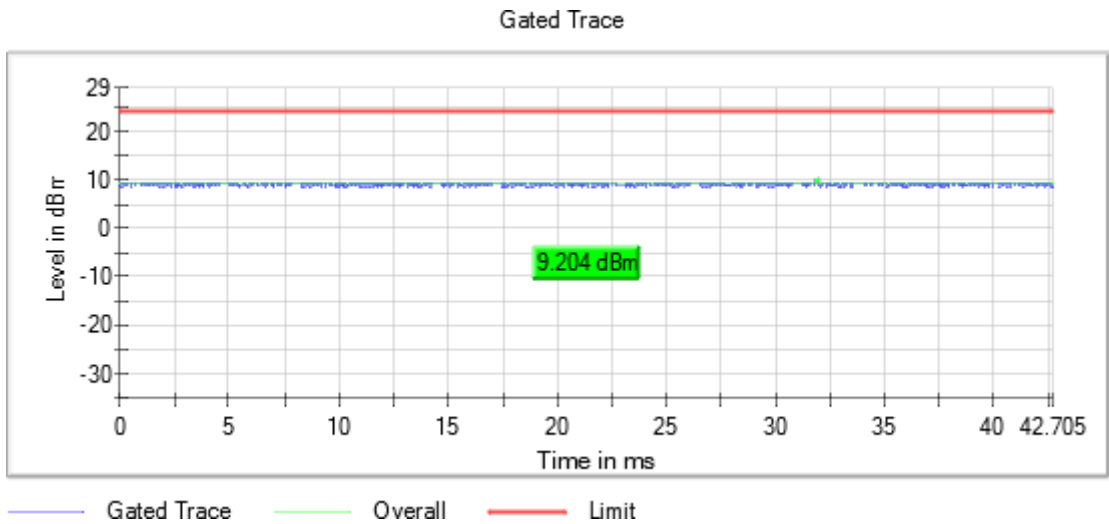
Frequency MHz = 5280.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



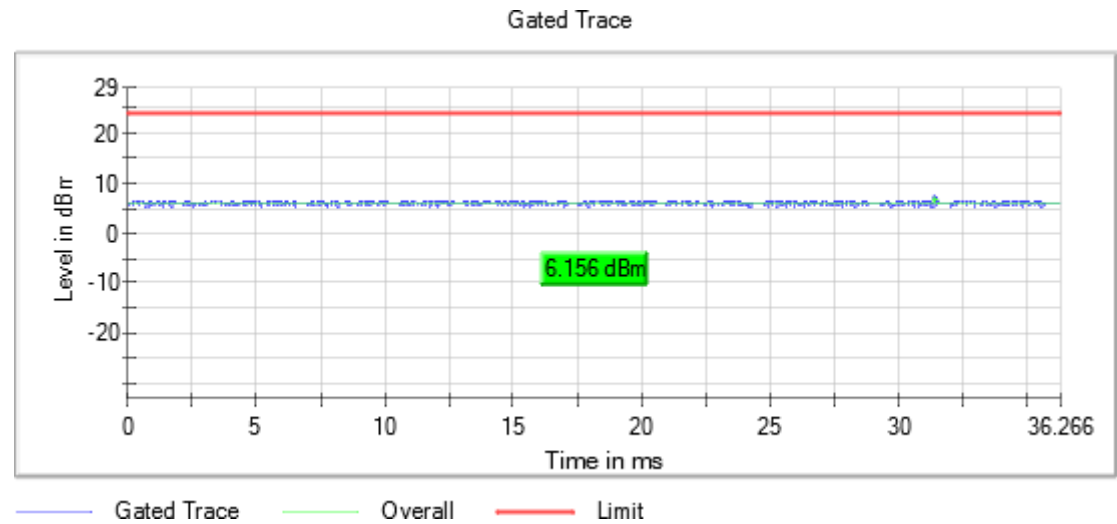
Frequency MHz = 5320.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



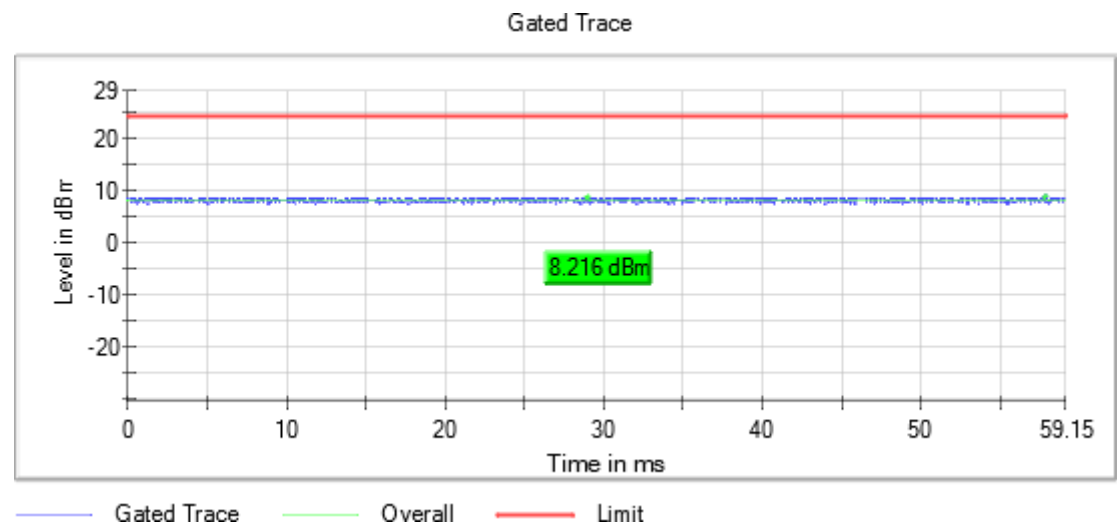
Frequency MHz = 5500.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



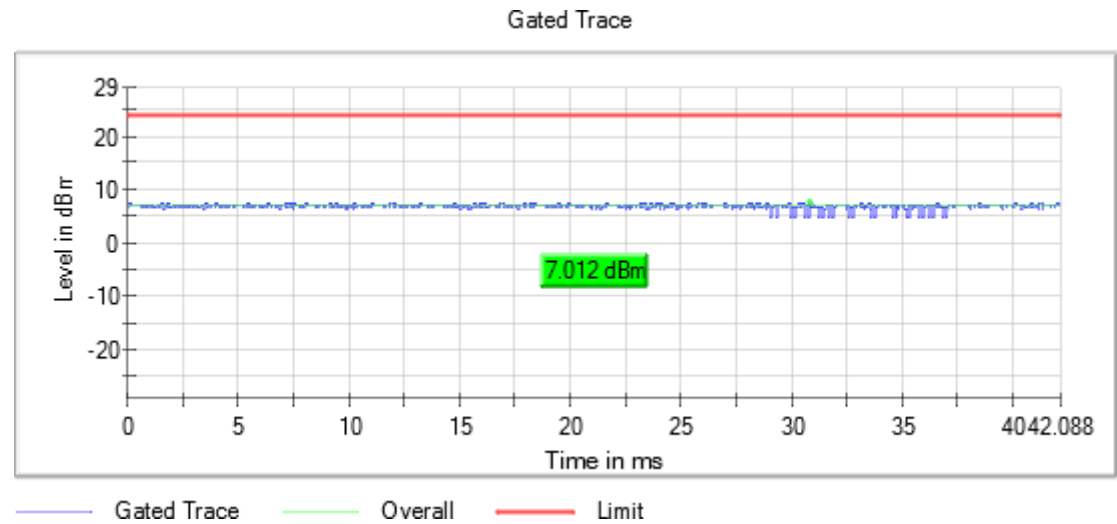
Frequency MHz = 5580.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5700.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



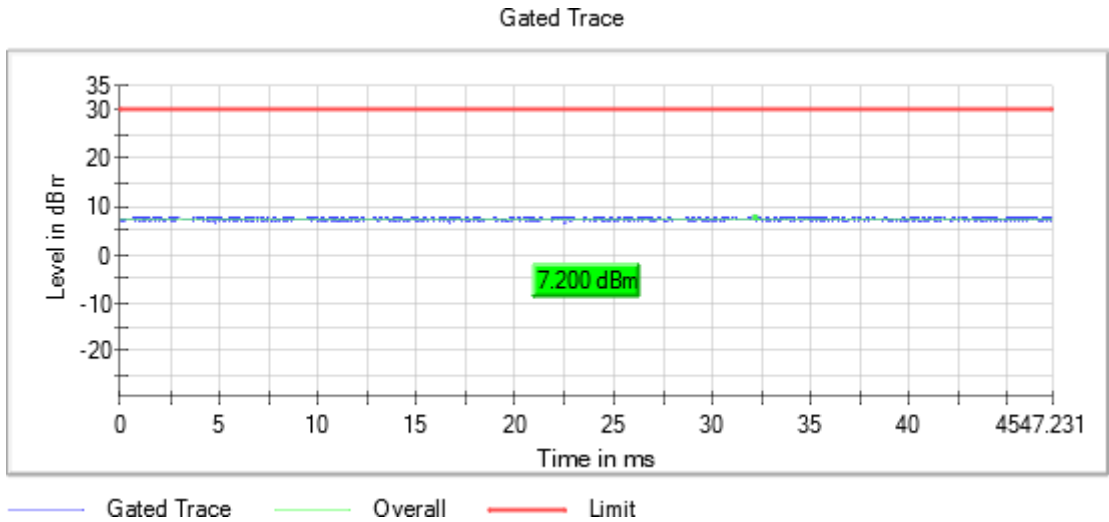
Frequency MHz = 5745.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



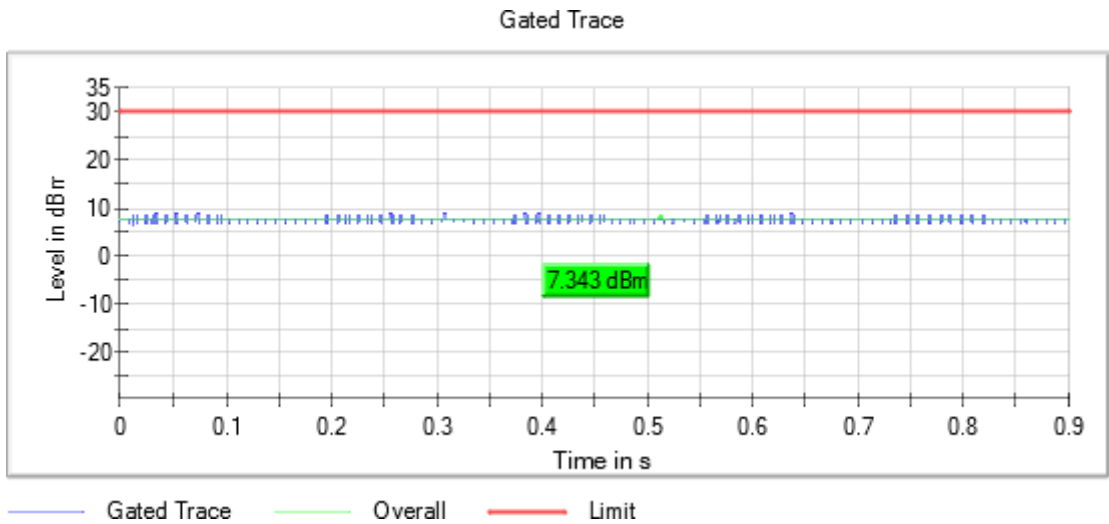
Frequency MHz = 5785.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ax HE40 SS1 (OFDMA MCS9) Beam forming
Results

Antenna Gain: -2.8

Test Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5190.00000	7.4	4.6
5230.00000	8.1	5.3
5270.00000	6.5	3.7
5310.00000	6.8	4.0
5510.00000	3.7	0.9
5550.00000	6.8	4.0
5670.00000	6.2	3.4
5755.00000	8.6	5.8
5795.00000	8.9	6.1

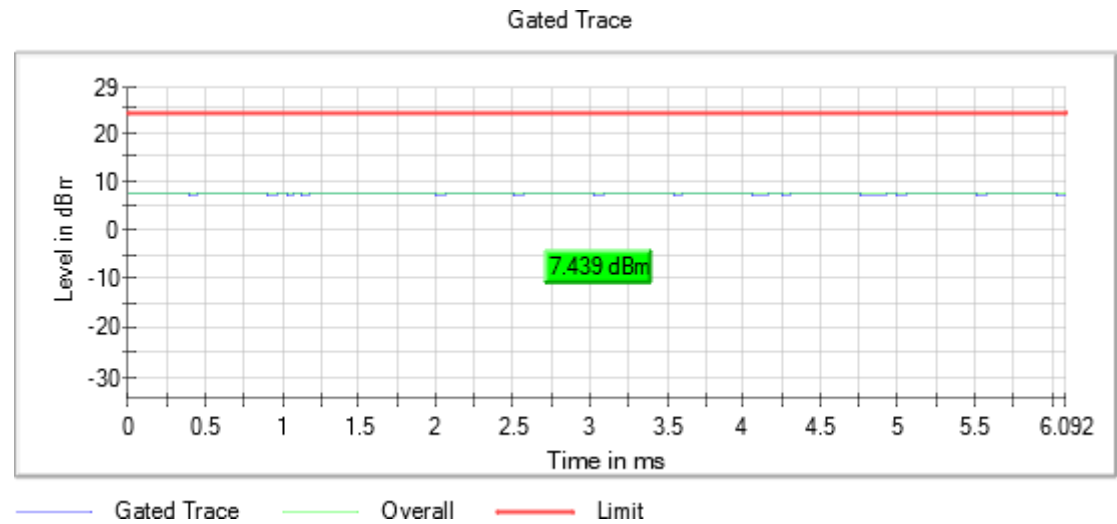
Verdict

Pass

Attachments

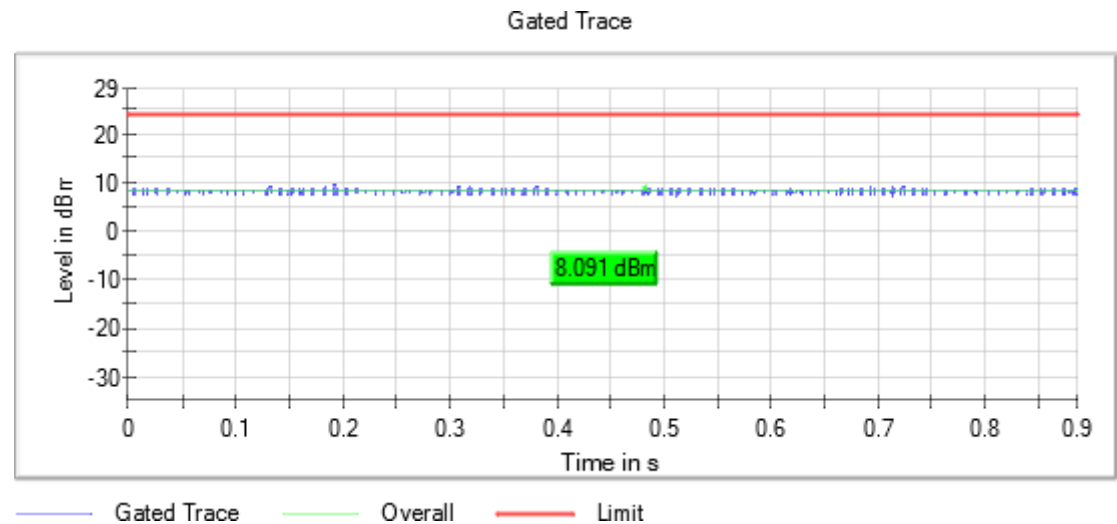
Frequency MHz = 5190.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



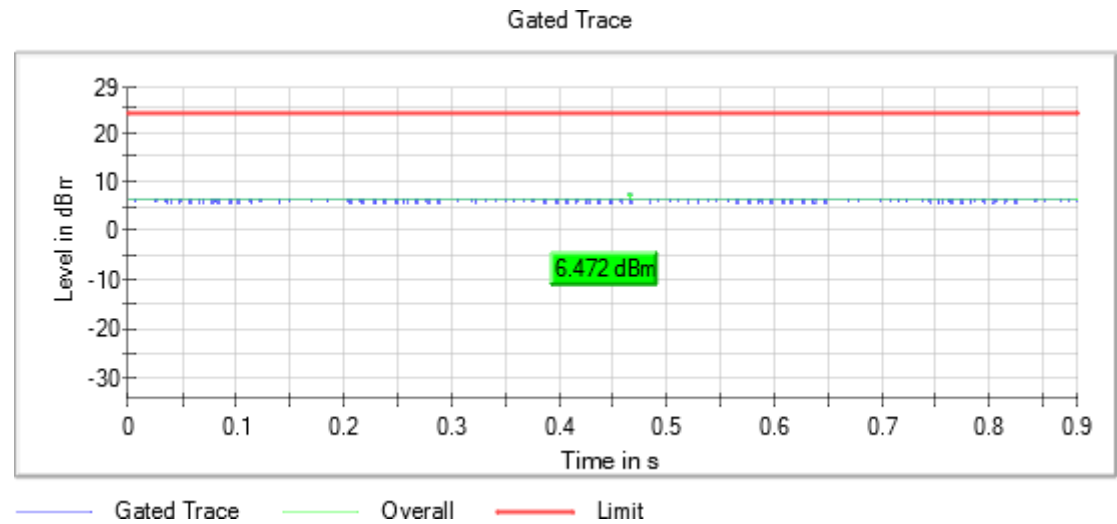
Frequency MHz = 5230.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



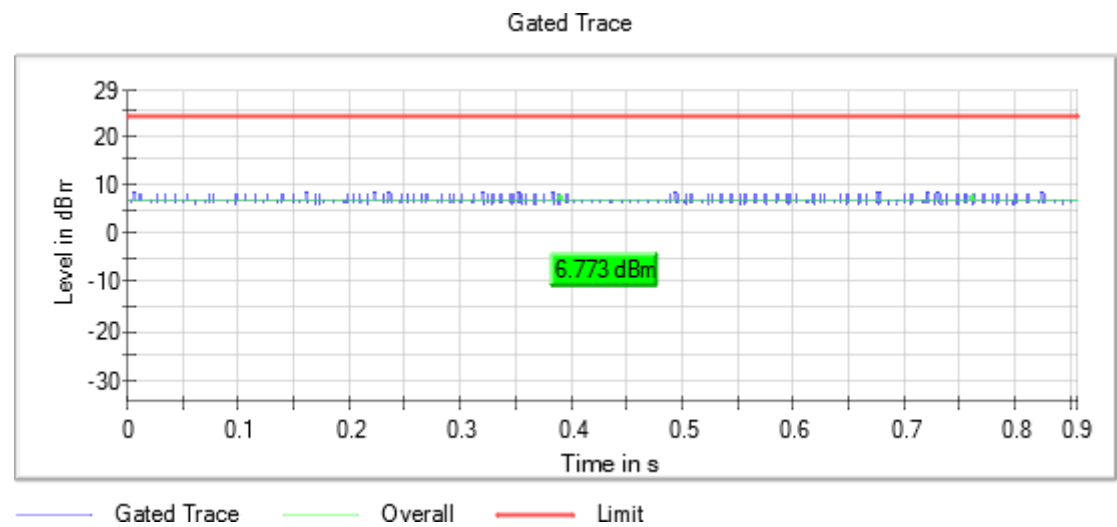
Frequency MHz = 5270.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



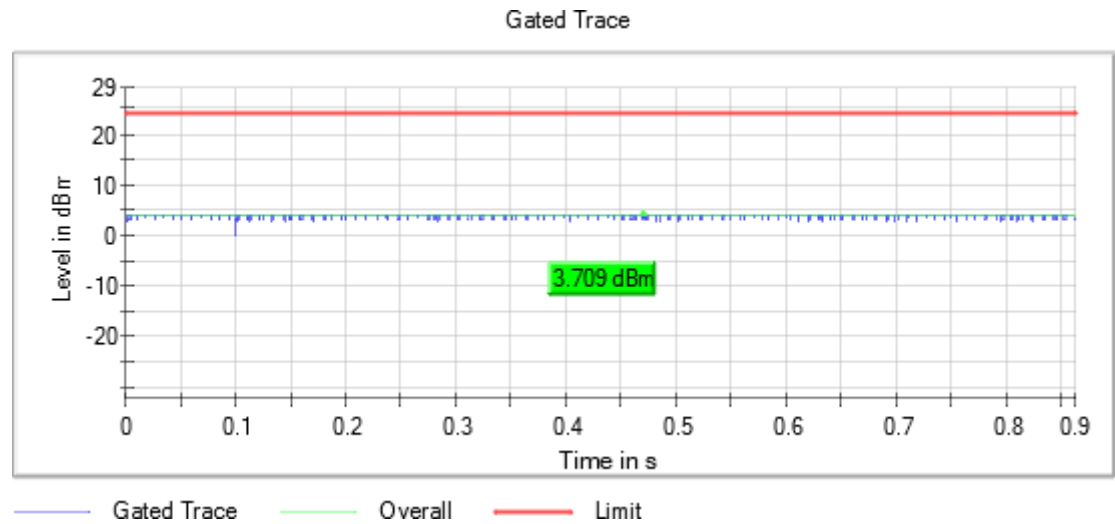
Frequency MHz = 5310.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



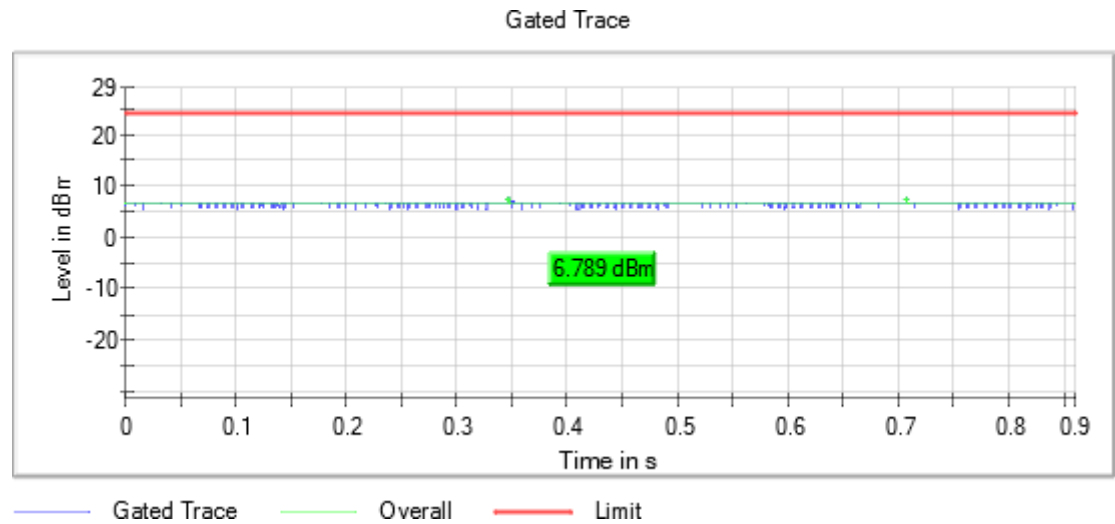
Frequency MHz = 5510.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



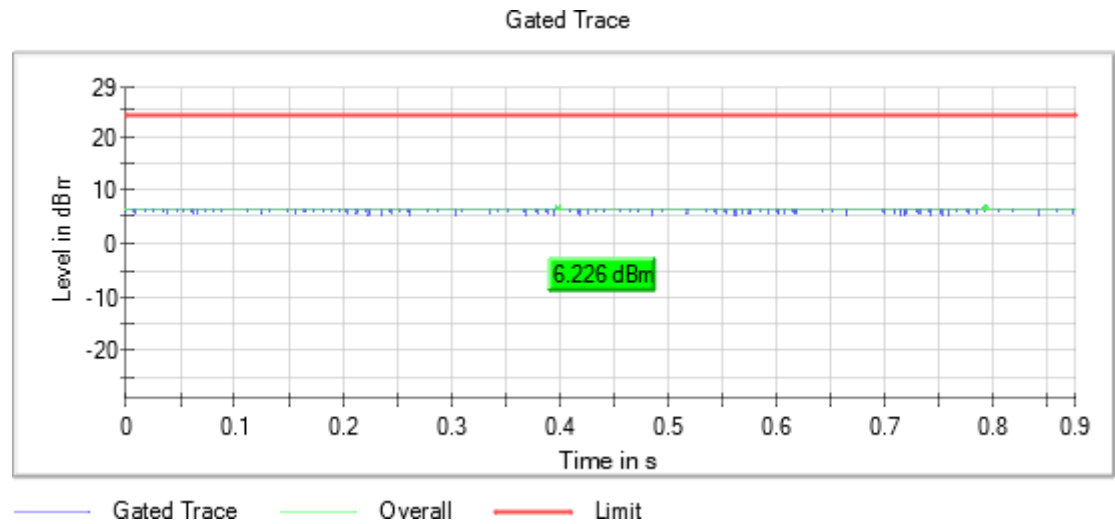
Frequency MHz = 5550.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



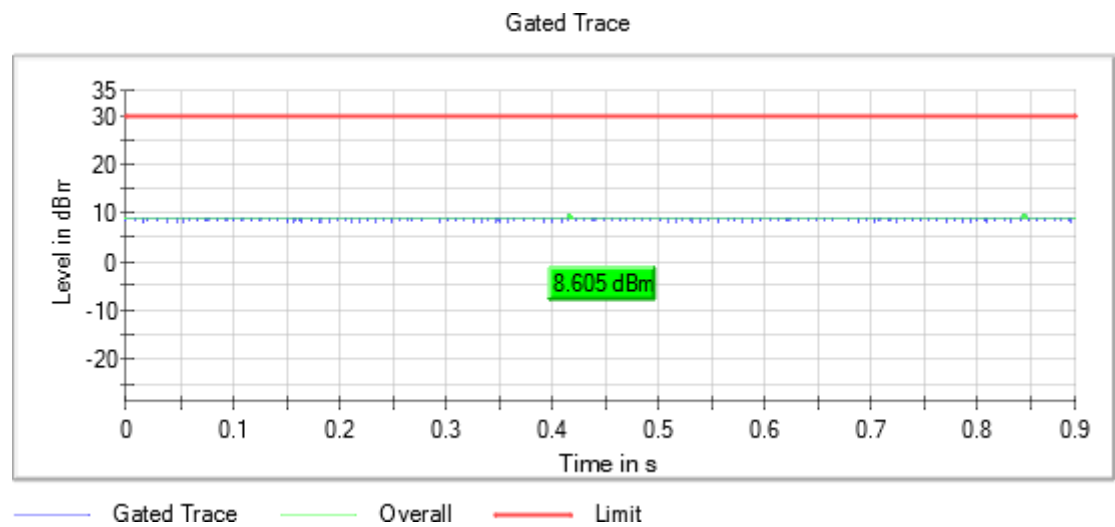
Frequency MHz = 5670.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



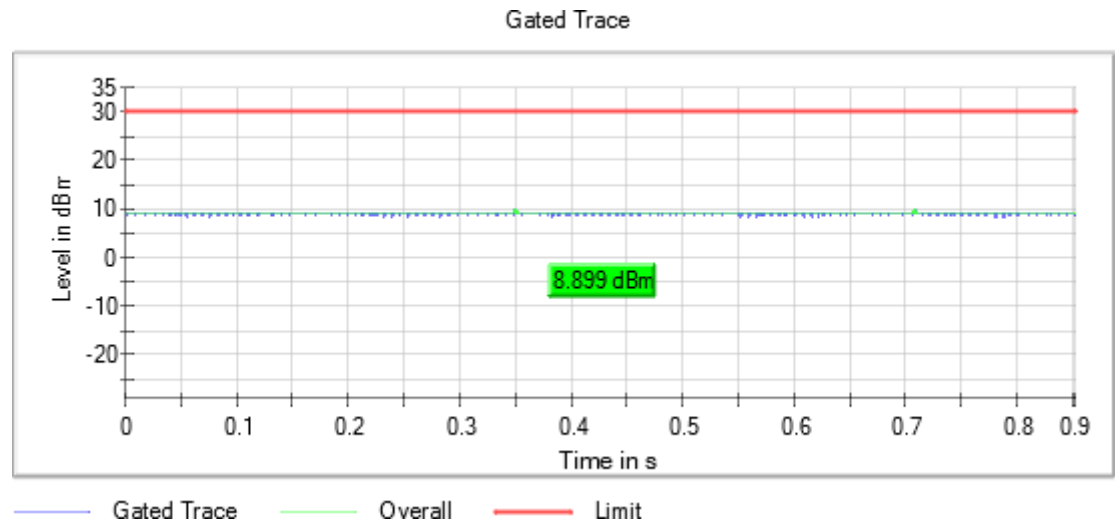
Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ax HE80 SS1 (OFDMA MCS11) Beam forming
Results

Antenna Gain: -2.8

Test Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5210.00000	6.5	3.7
5290.00000	5.3	2.5
5530.00000	3.3	0.5
5610.00000	6.4	3.6
5775.00000	10.0	7.2

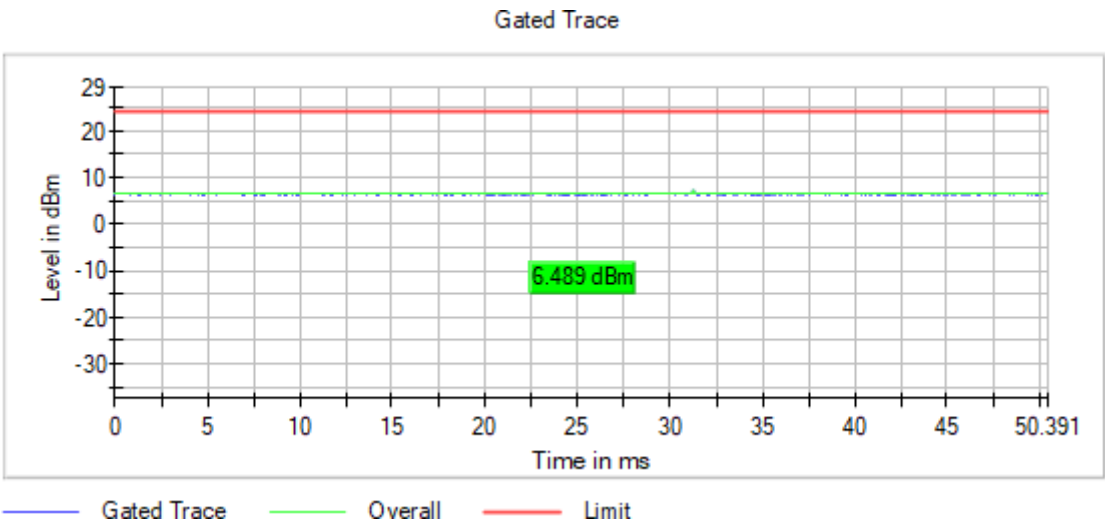
Verdict

Pass

Attachments

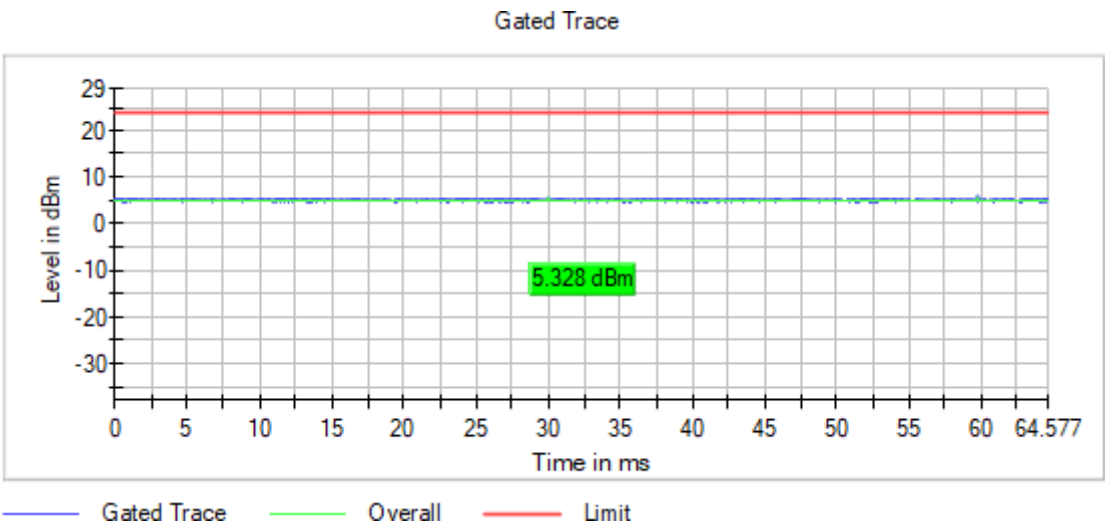
Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



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

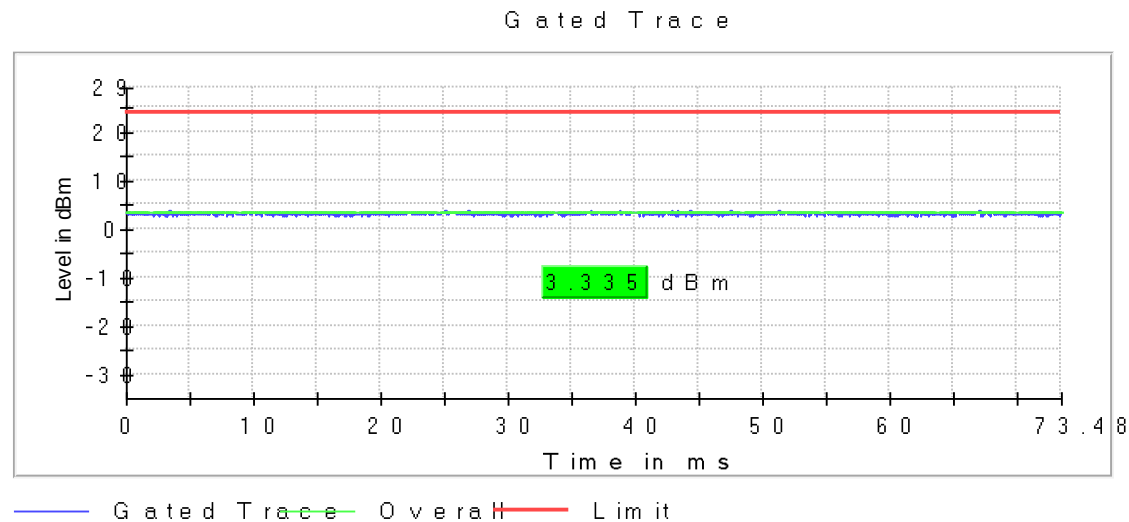
Images:



Attachments

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

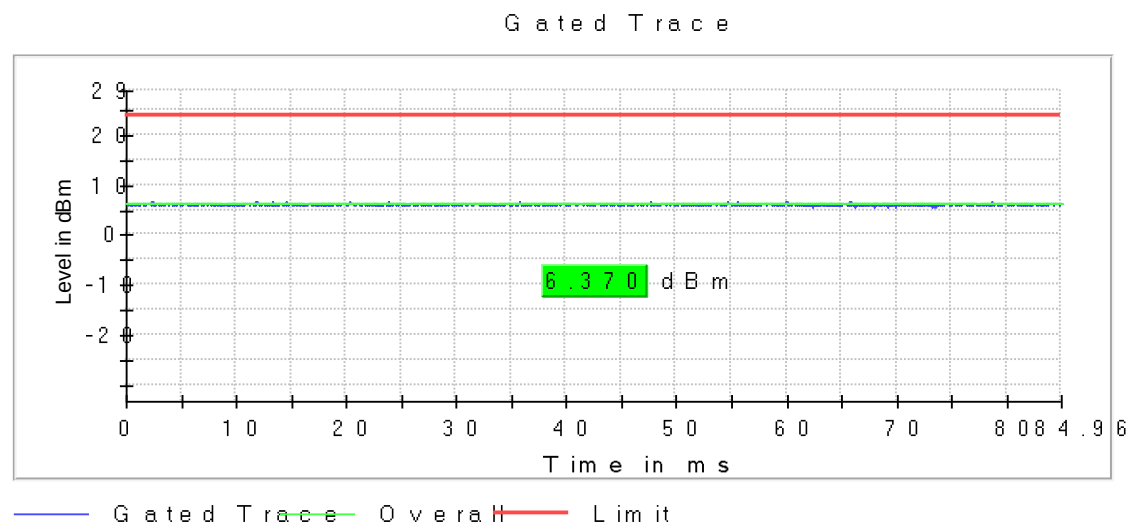
Images:



Attachments

Frequency MHz = 5610.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

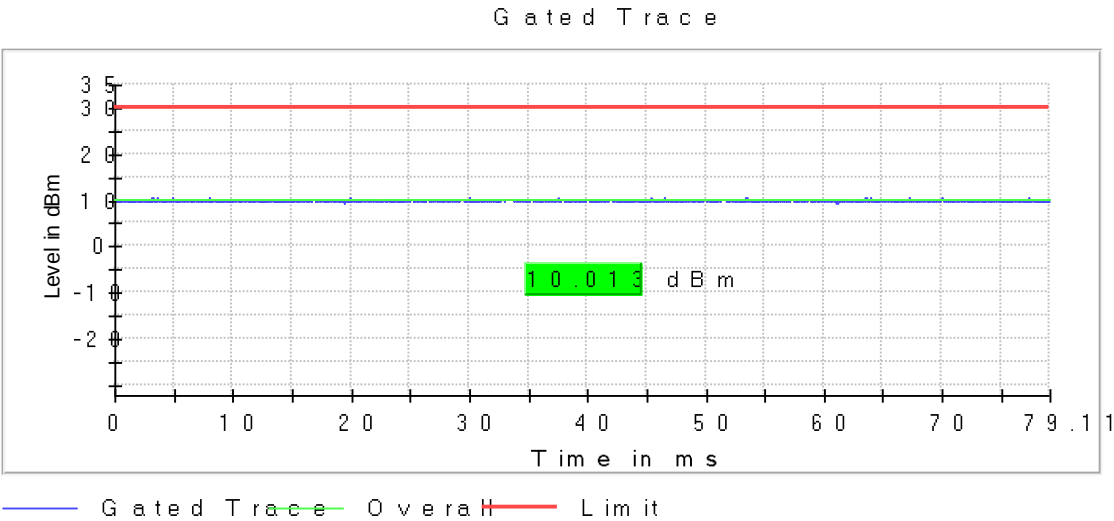
Images:



Attachments

Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



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

Limits

FCC 15.407:

The maximum power spectral density shall not exceed 17 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.

RSS-247: For the 5.25-5.35 GHz, 5.470-5.6 GHz, and 5.650-5.725 GHz bands, the power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

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

Test Setup:

For all modes, the maximum power spectral density level in the fundamental emission was measured using the method according to point F) (Method SA-1) of Guidance 789033 D02 General UNII Test Procedures New Rules v01.

Note: The following test results are shown based on KDB 662911 D01 Multiple Transmitter Output v02r01 E) 3) a) (ii) Measure and sum spectral maxima across the outputs as described in section E)2)b).

- 1- 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:
Directional gain_{PSD} = $G_{ANT} + 10 \log(N_{ANT}/N_{SS})$ dBi
 $N_{SS} = 1$ (worst case), $N_{ANT} = 2$, $G_{ANT} = -2.8$ dBi
Directional gain_{PSD} = $-2.8 + 10 \log(2/1) = -2.8 + 10 \log(2) = -2.8 + 3 = +0.2$ dBi
PSD Antenna Gain MIMO Chain 0 & 1: +0.2 dBi

For MIMO CDD operation modes, the limit should be reduced by the amount in dB the antenna gain exceeds 6 dBi. In this case the limit is not reduced due to the antenna gain calculations is +0.2dBi.

Modulation: 802.11a (OFDM 54 Mbit/s)

Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5180.00000	5177.227723	3.59
5200.00000	5207.722772	1.55
5240.00000	5247.326733	1.90
5260.00000	5267.326733	2.62
5280.00000	5277.227723	2.72
5320.00000	5321.782178	1.84
5500.00000	5507.326733	-0.51
5580.00000	5583.366337	2.67
5700.00000	5703.366337	0.68
5745.00000	5737.673267	-4.78
5785.00000	5777.475248	-4.33
5825.00000	5828.366337	-4.14

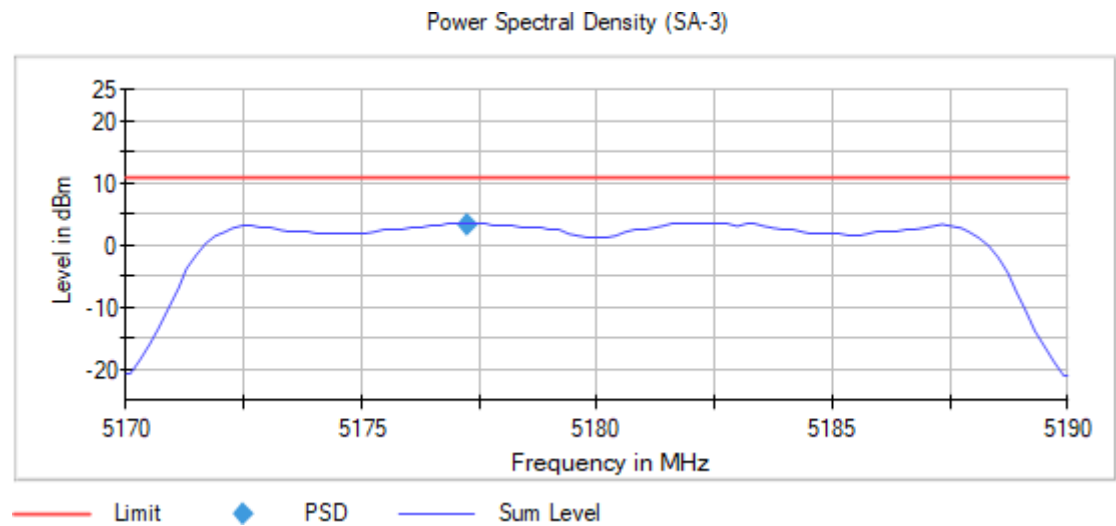
Verdict

Pass

Attachments

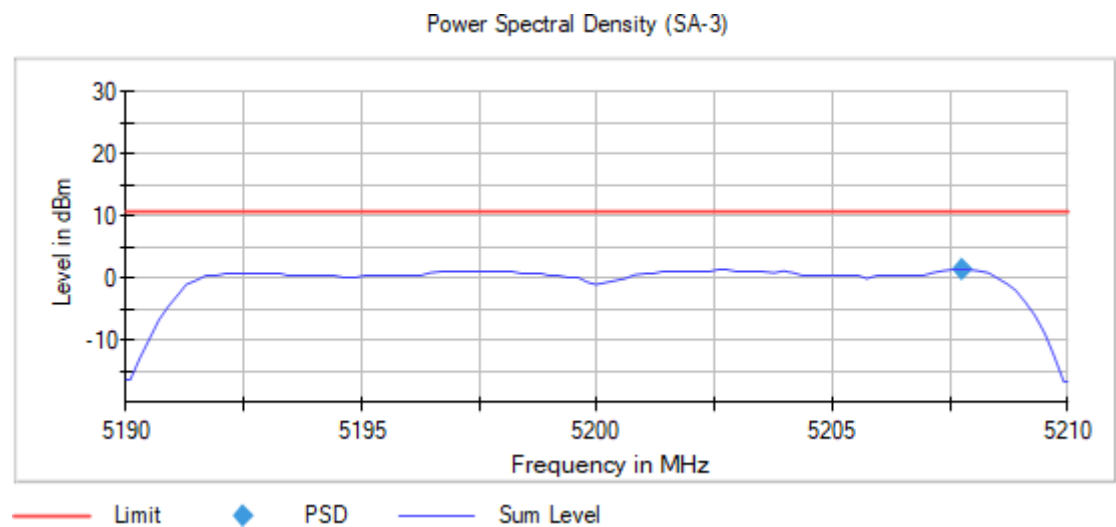
Frequency MHz = 5180.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



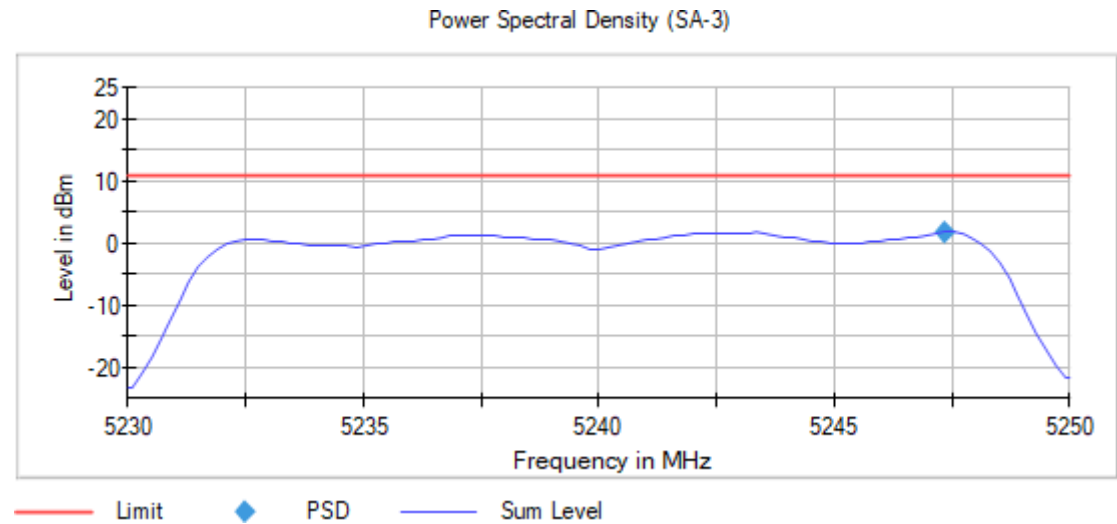
Frequency MHz = 5200.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



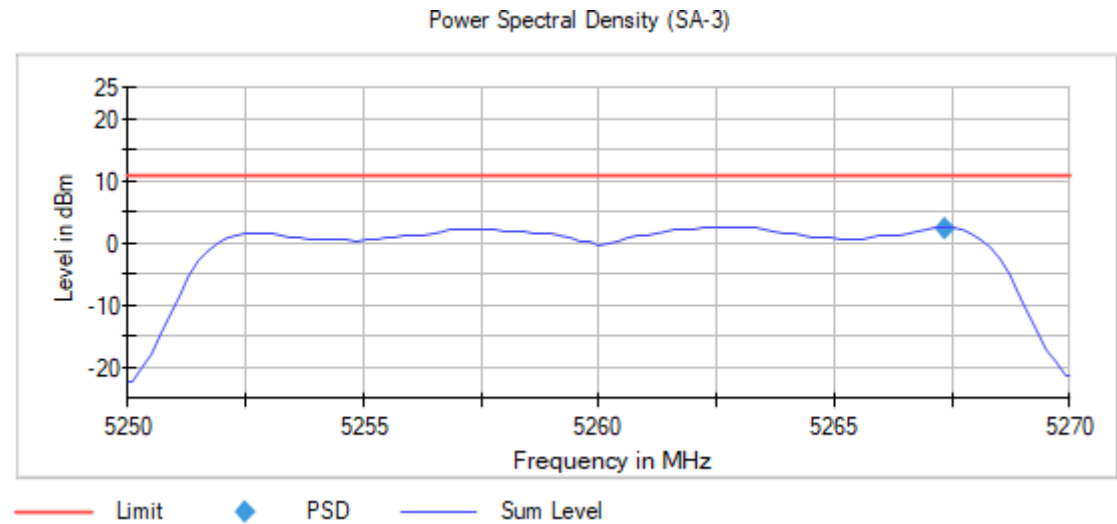
Frequency MHz = 5240.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



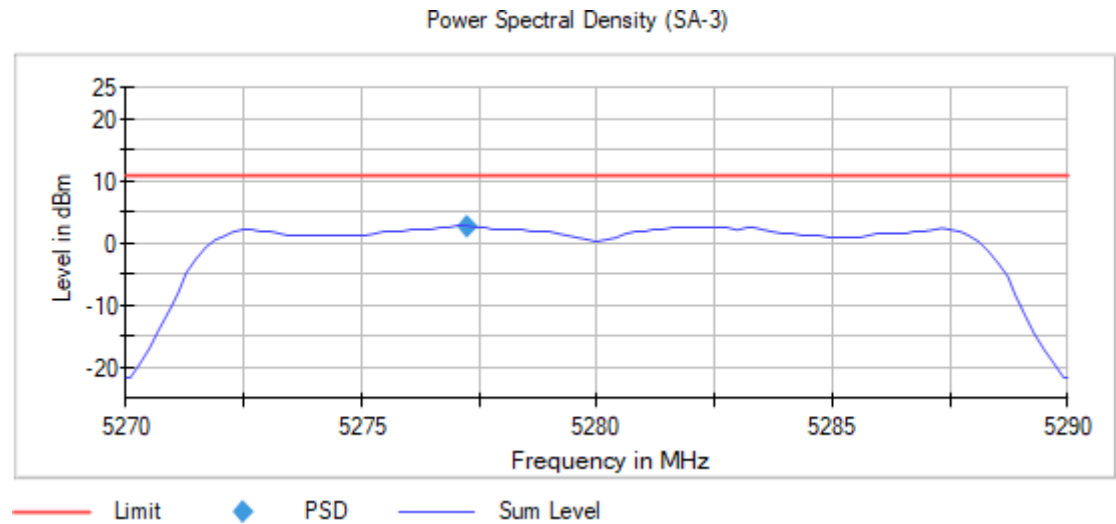
Frequency MHz = 5260.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



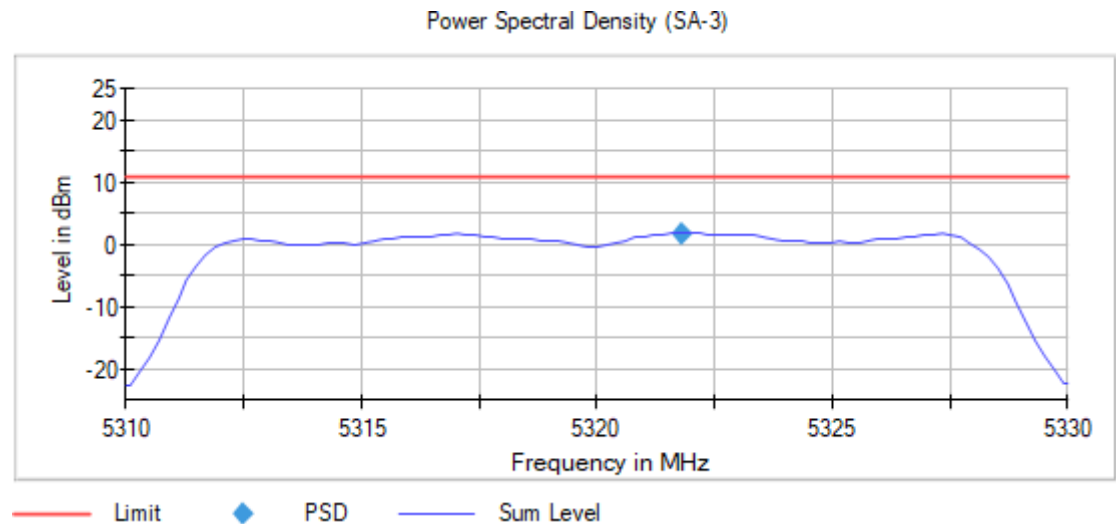
Frequency MHz = 5280.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



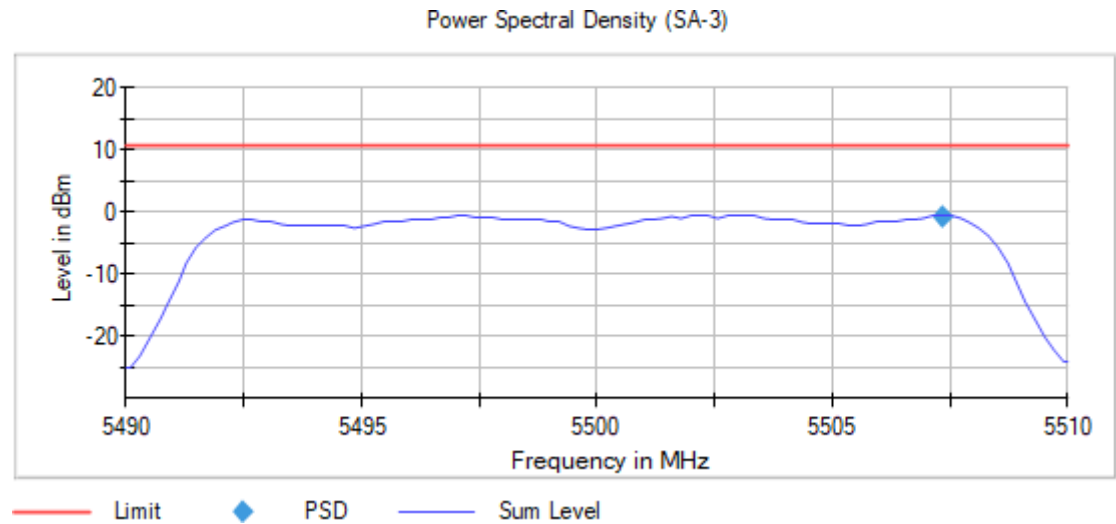
Frequency MHz = 5320.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



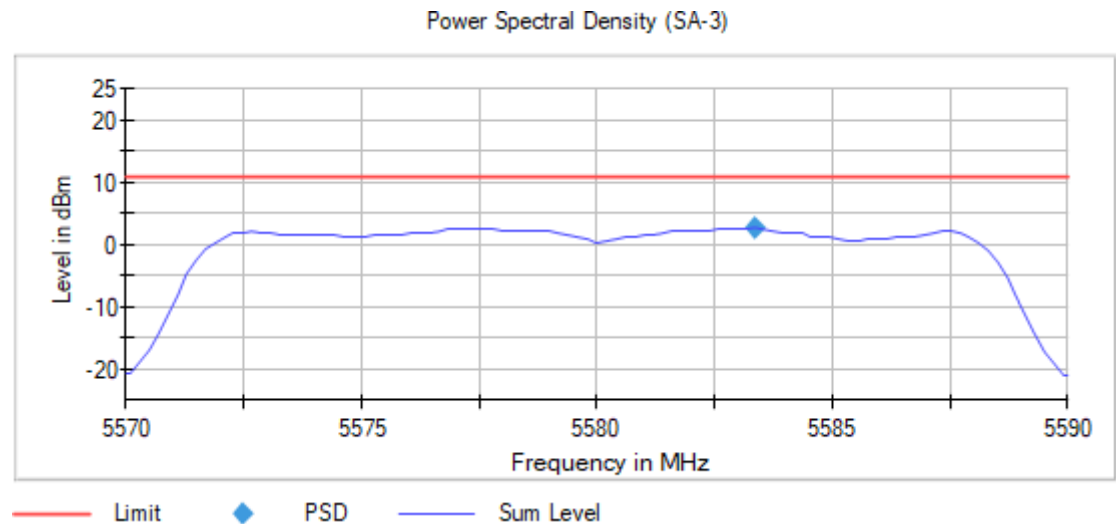
Frequency MHz = 5500.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



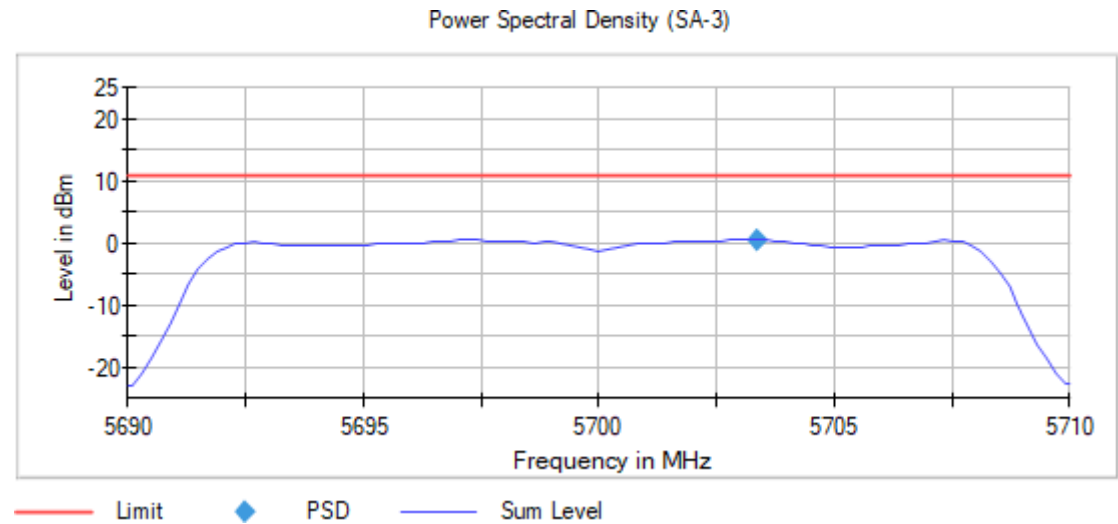
Frequency MHz = 5580.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



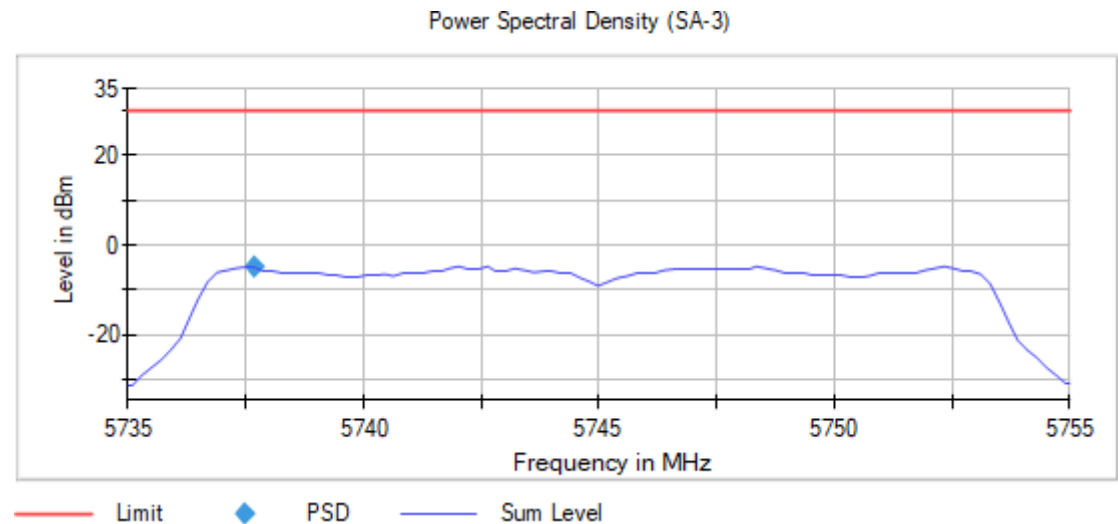
Frequency MHz = 5700.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



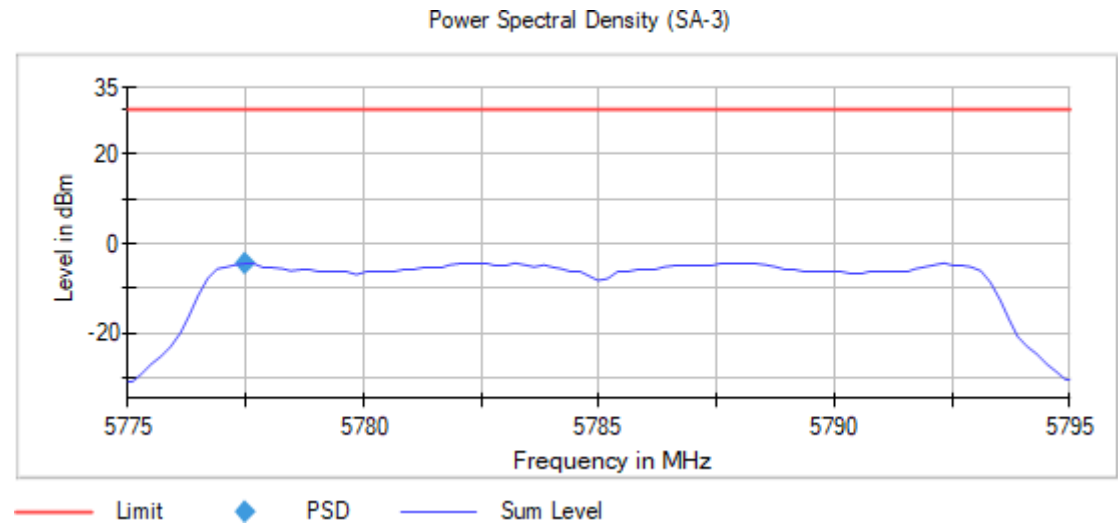
Frequency MHz = 5745.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



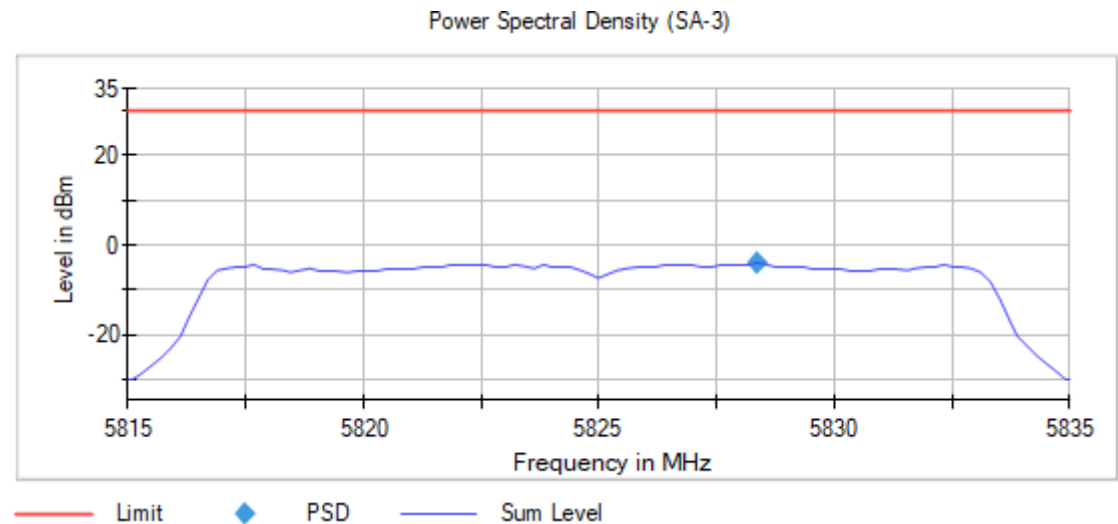
Frequency MHz = 5785.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11n HT20
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5180.00000	5177.425743	2.97
5200.00000	5197.227723	2.27
5240.00000	5237.227723	2.91
5260.00000	5267.920792	2.86
5280.00000	5277.425743	4.03
5320.00000	5317.425743	3.68
5500.00000	5497.425743	-2.25
5580.00000	5577.227723	1.54
5700.00000	5697.425743	-1.16
5745.00000	5742.227723	-4.36
5785.00000	5782.227723	-4.18
5825.00000	5822.227723	-4.82

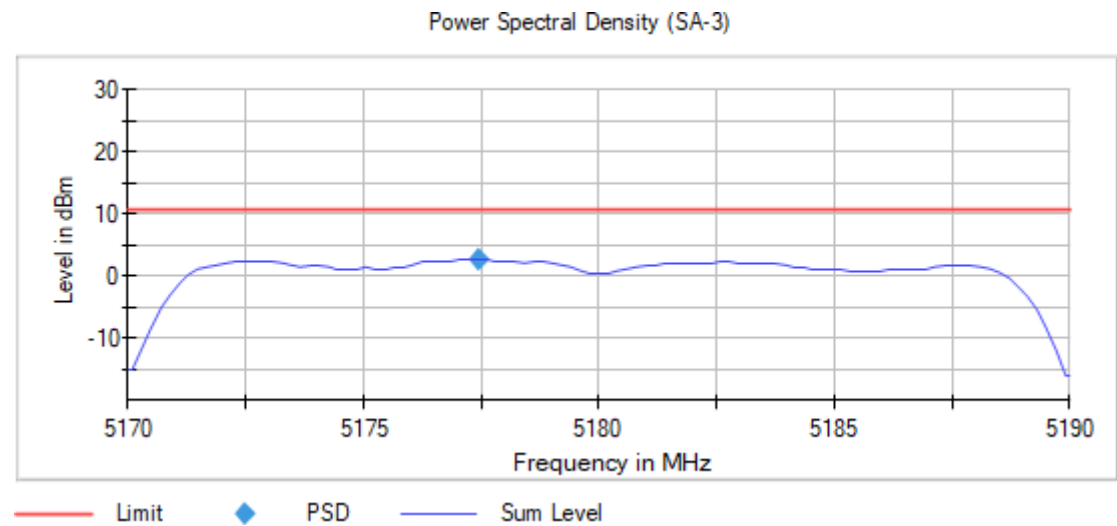
Verdict

Pass

Attachments

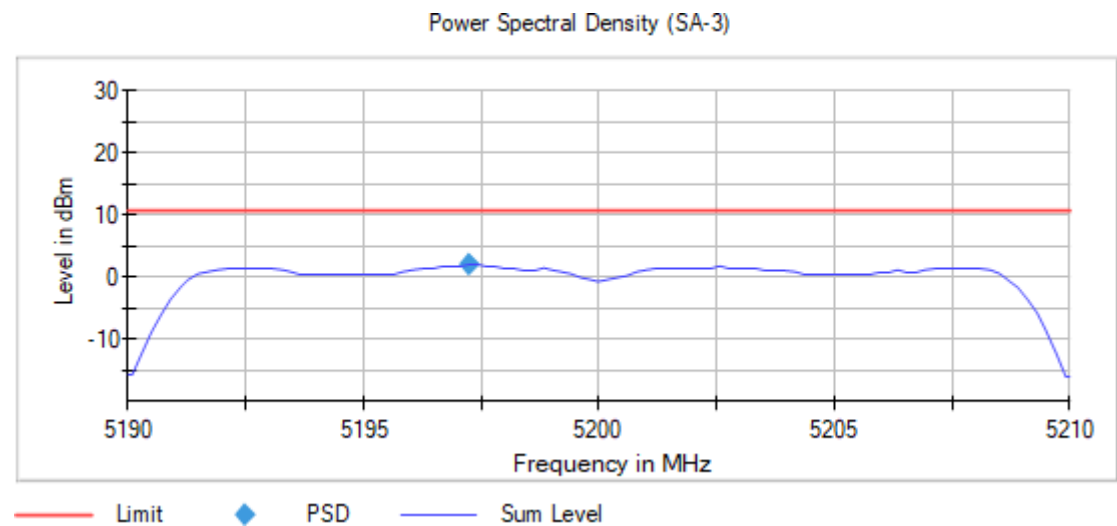
Frequency MHz = 5180.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



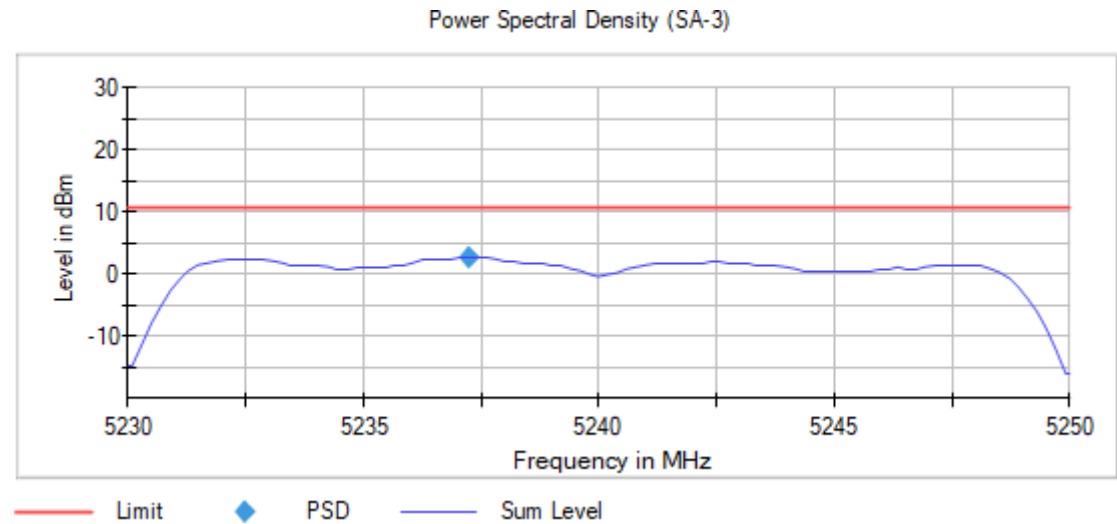
Frequency MHz = 5200.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



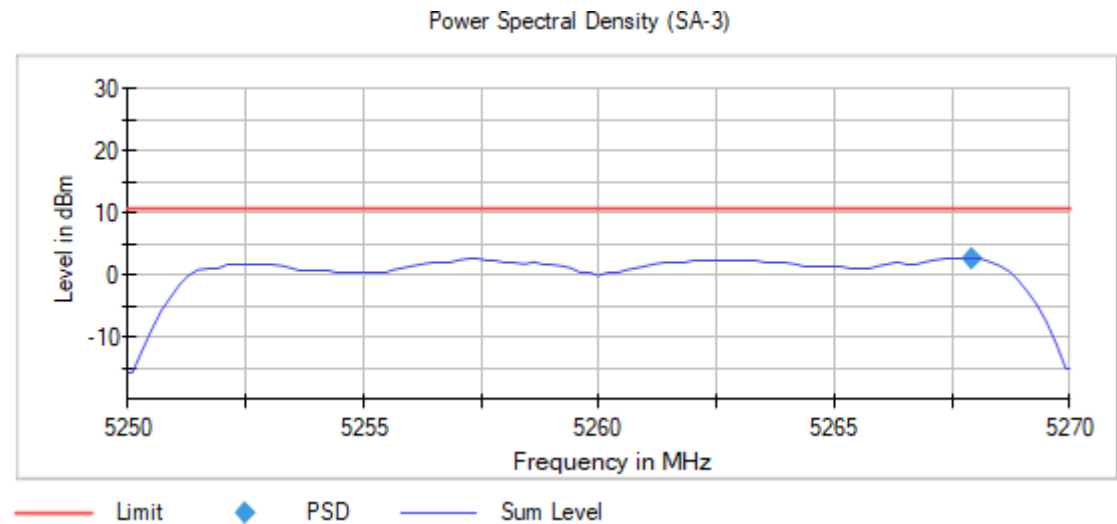
Frequency MHz = 5240.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



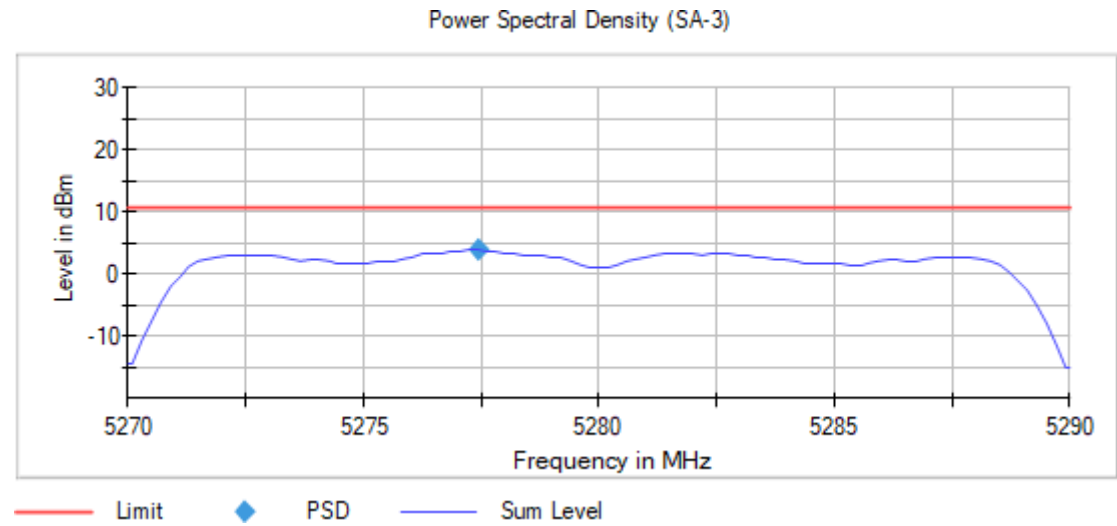
Frequency MHz = 5260.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



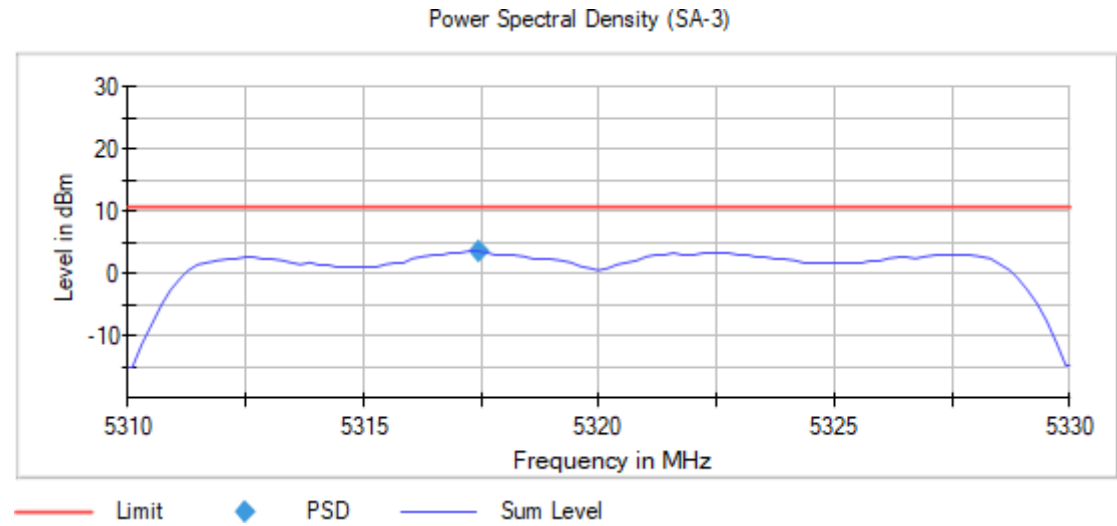
Frequency MHz = 5280.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



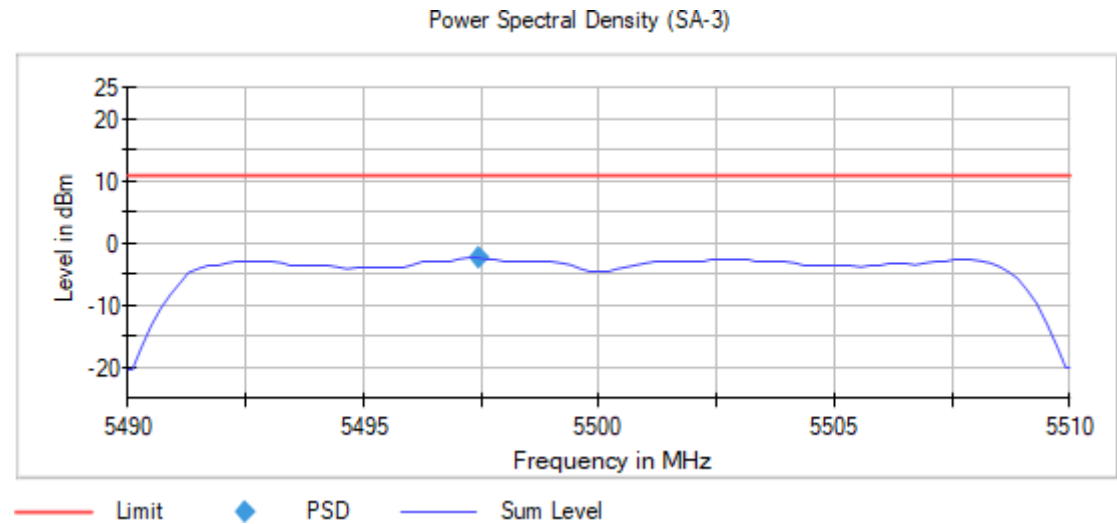
Frequency MHz = 5320.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



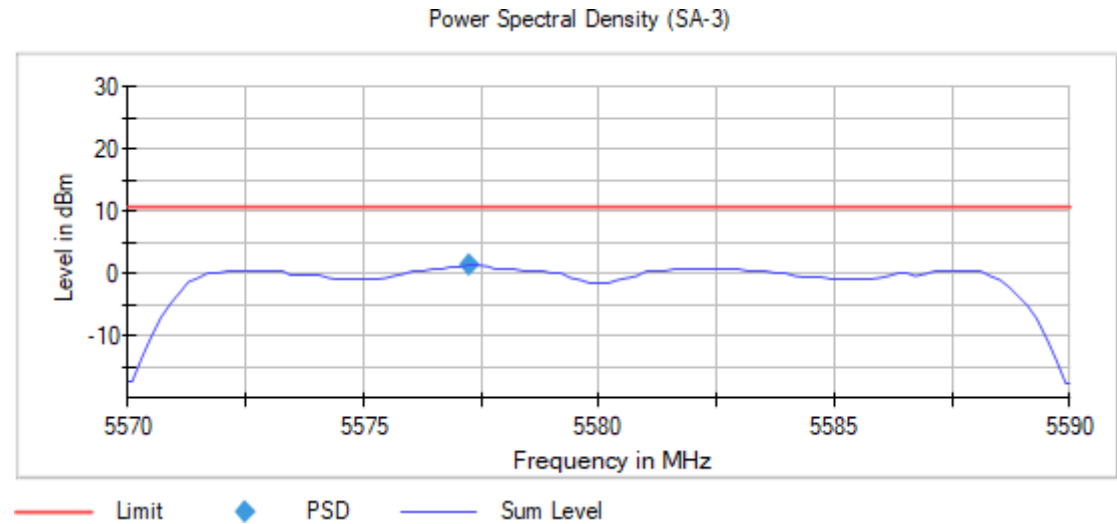
Frequency MHz = 5500.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



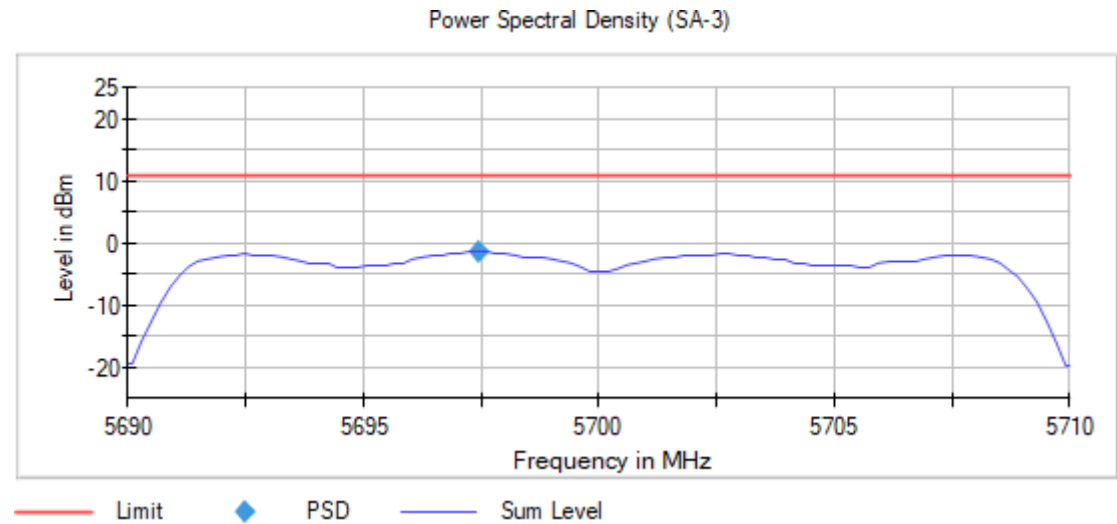
Frequency MHz = 5580.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



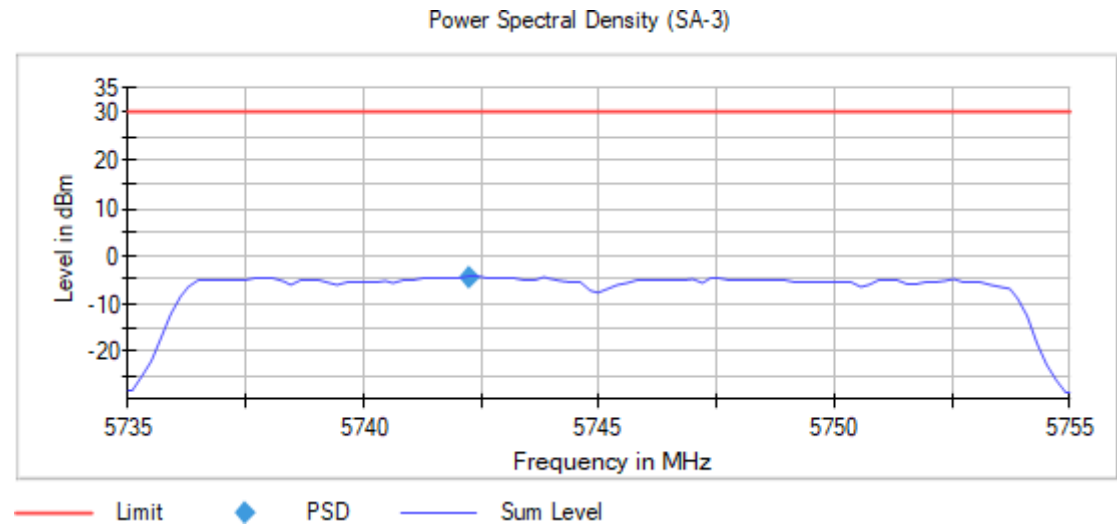
Frequency MHz = 5700.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



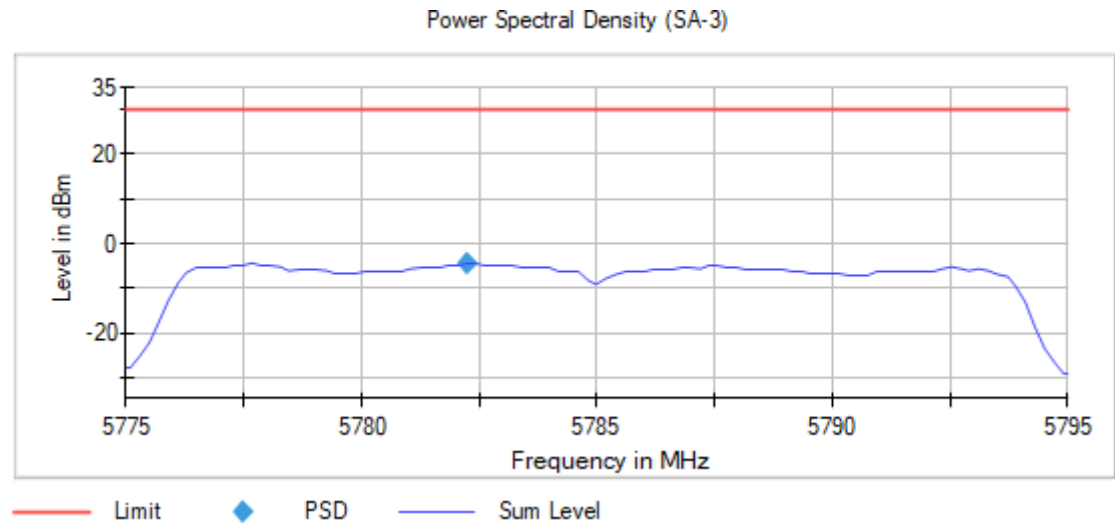
Frequency MHz = 5745.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



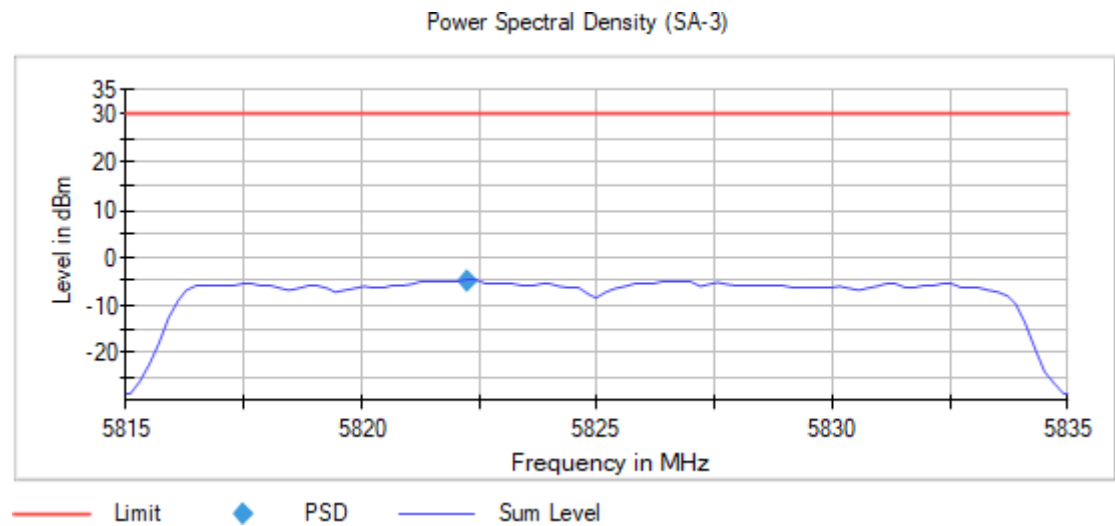
Frequency MHz = 5785.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11n HT40
Results

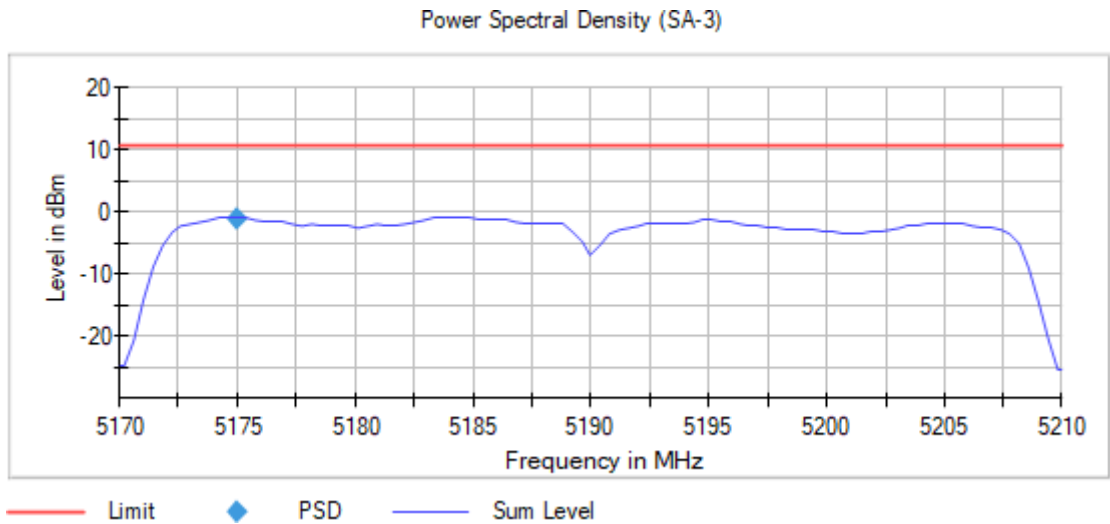
Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5190.00000	5174.950495	-0.79
5230.00000	5235.148515	-0.37
5270.00000	5275.148515	-2.16
5310.00000	5315.148515	-2.67
5510.00000	5525.841584	-2.98
5550.00000	5565.841584	-2.50
5670.00000	5674.752475	-2.03
5755.00000	5759.875000	-3.80
5795.00000	5778.875000	-5.09

Verdict
Pass

Attachments

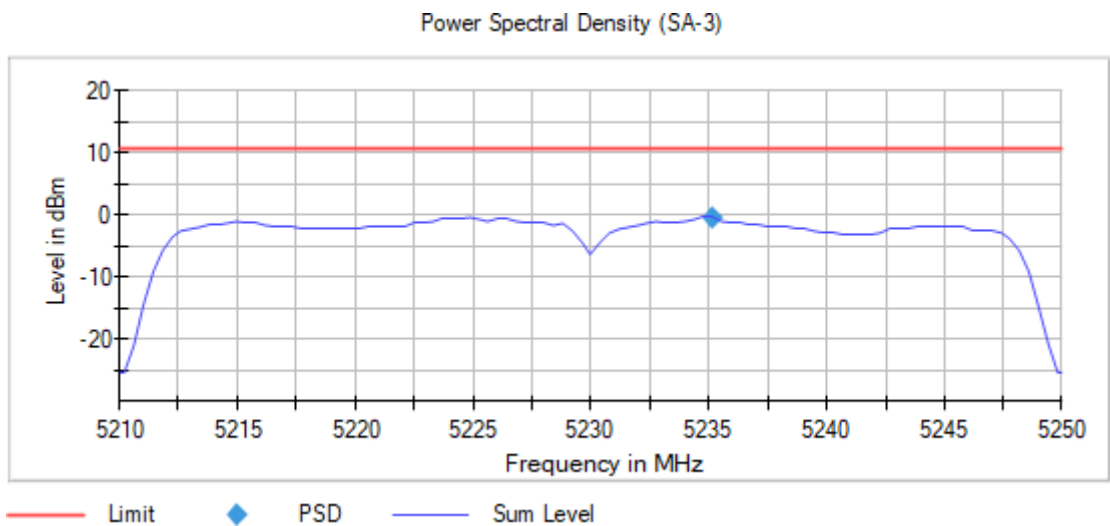
Frequency MHz = 5190.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



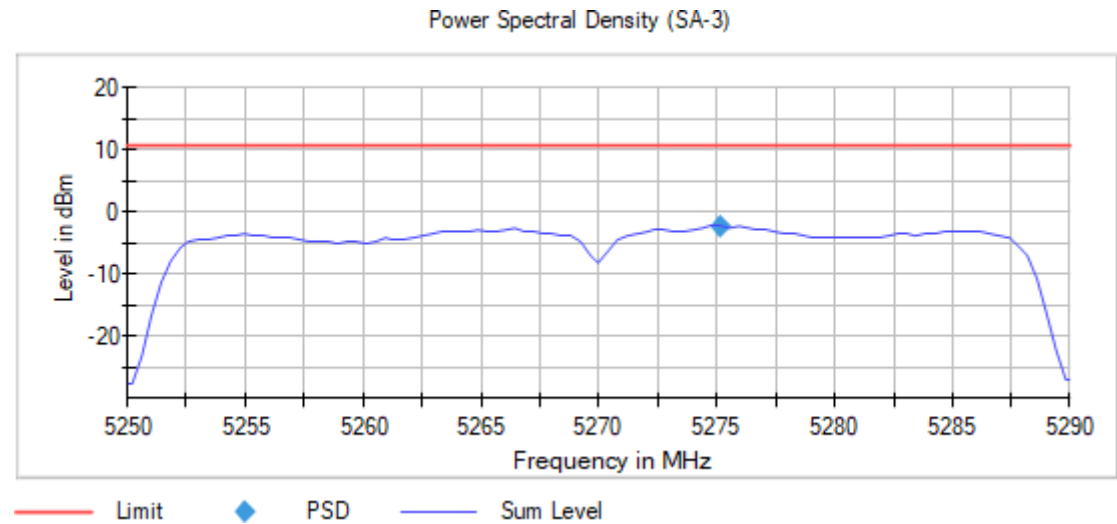
Frequency MHz = 5230.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



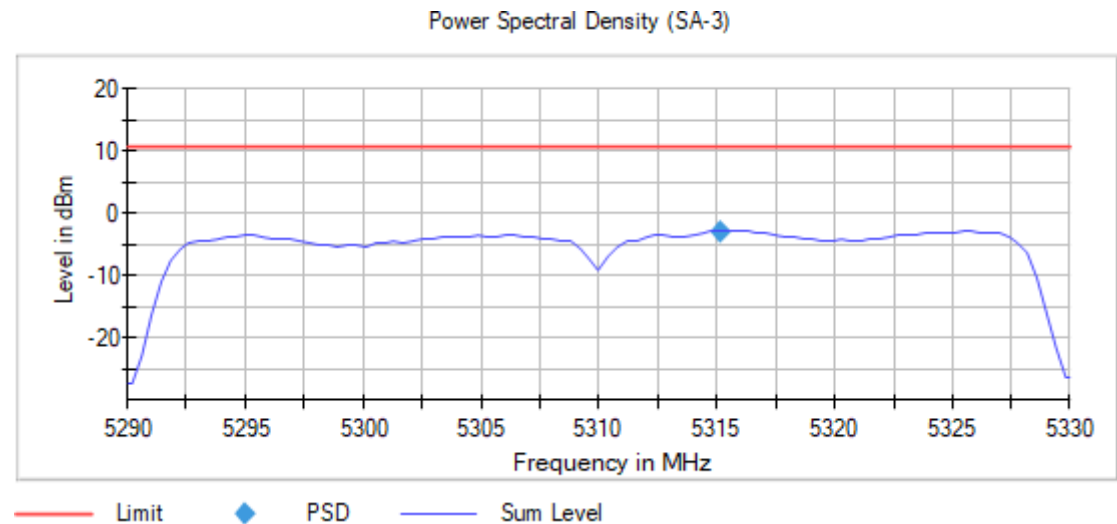
Frequency MHz = 5270.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



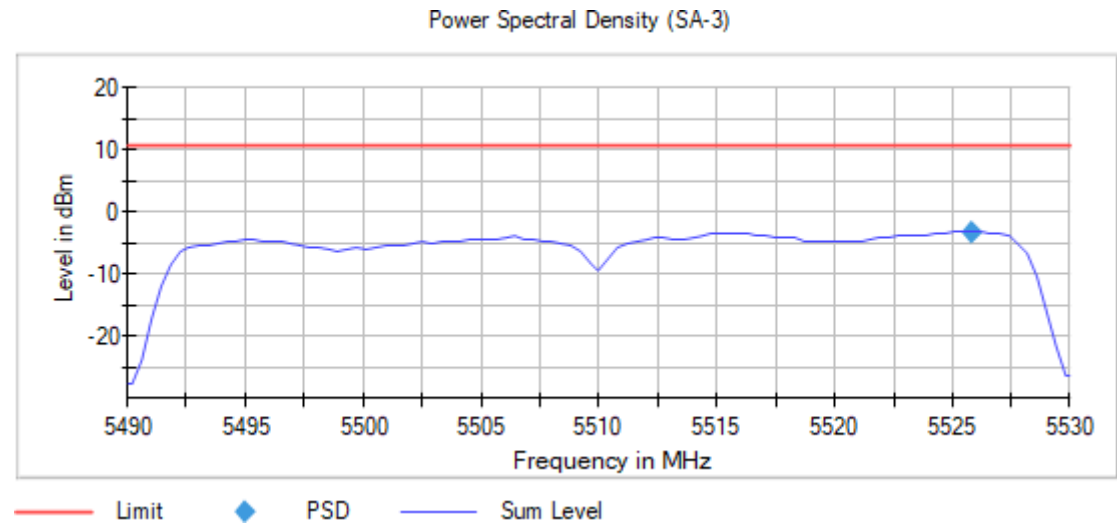
Frequency MHz = 5310.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



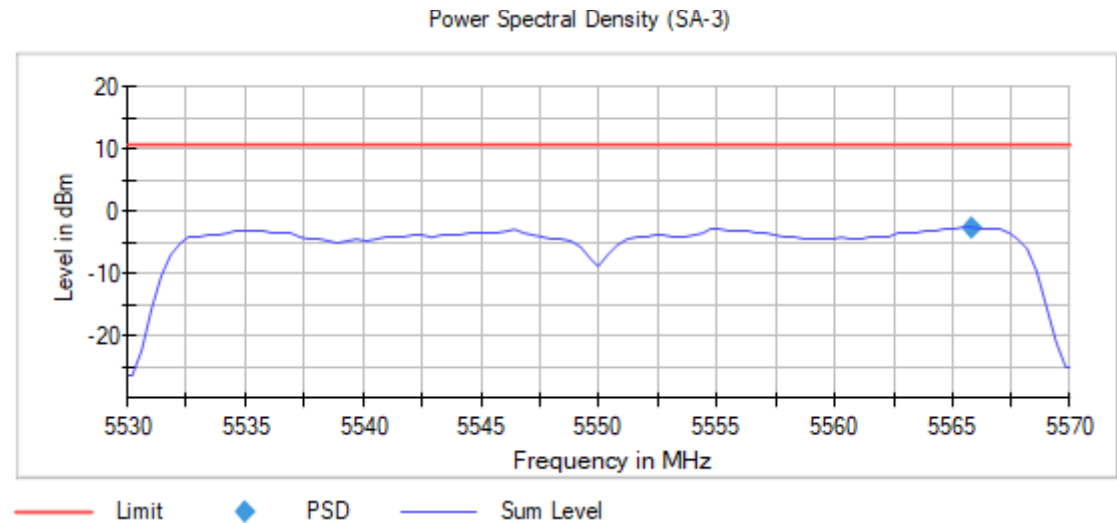
Frequency MHz = 5510.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



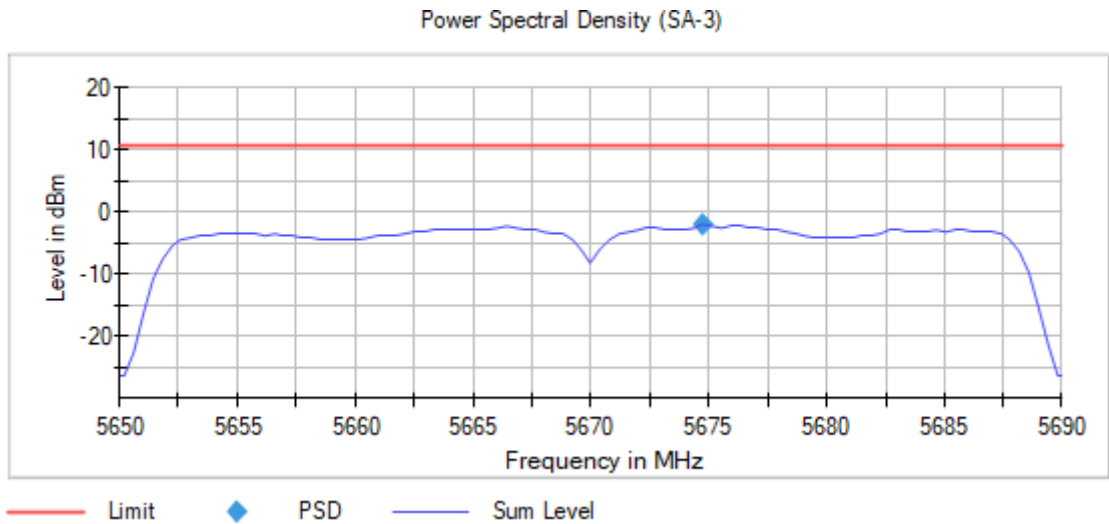
Frequency MHz = 5550.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



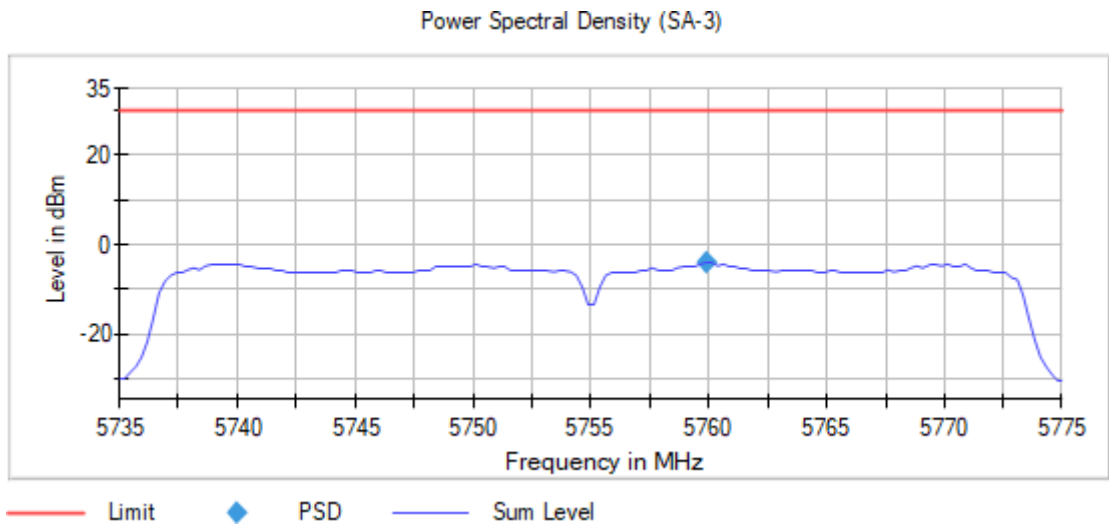
Frequency MHz = 5670.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



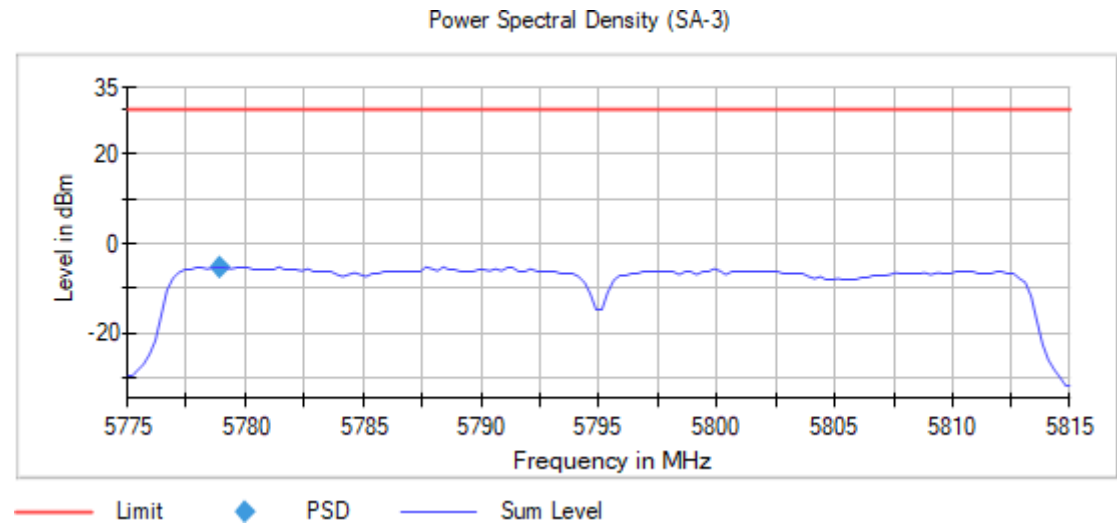
Frequency MHz = 5755.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5795.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11ac VHT20 (OFDM MCS8)
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5180.00000	5176.831683	2.39
5200.00000	5207.722772	1.55
5240.00000	5237.029703	2.79
5260.00000	5267.524752	3.90
5280.00000	5276.831683	4.41
5320.00000	5322.772277	4.29
5500.00000	5507.722772	-0.39
5580.00000	5576.831683	2.62
5700.00000	5696.831683	1.66
5745.00000	5747.574257	-4.06
5785.00000	5777.475248	-3.46
5825.00000	5827.574257	-3.78

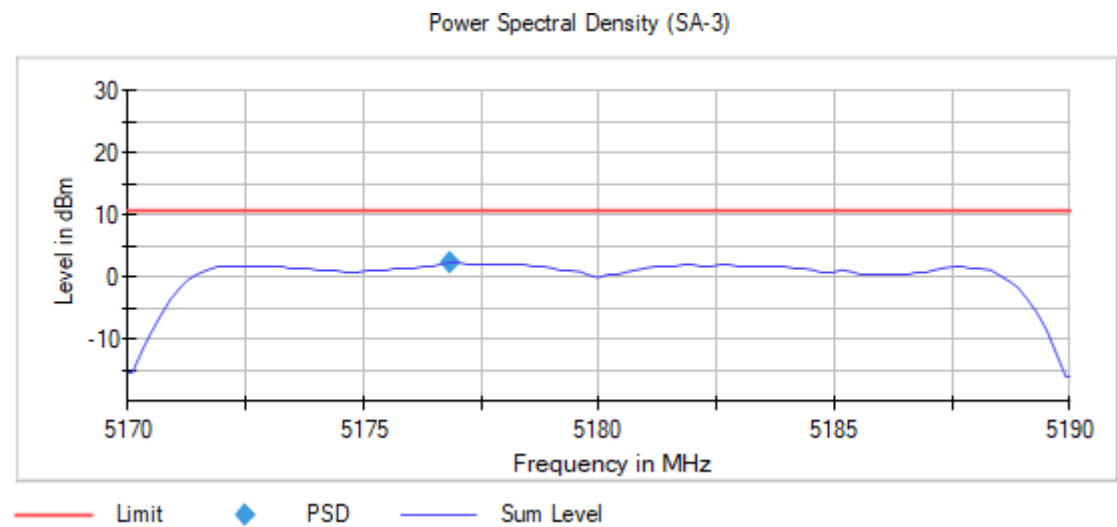
Verdict

Pass

Attachments

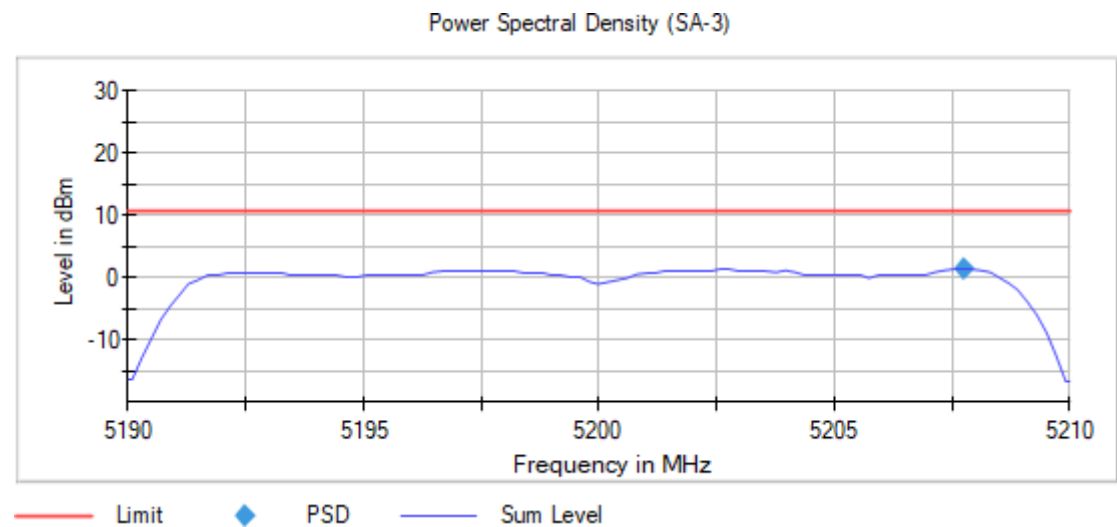
Frequency MHz = 5180.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



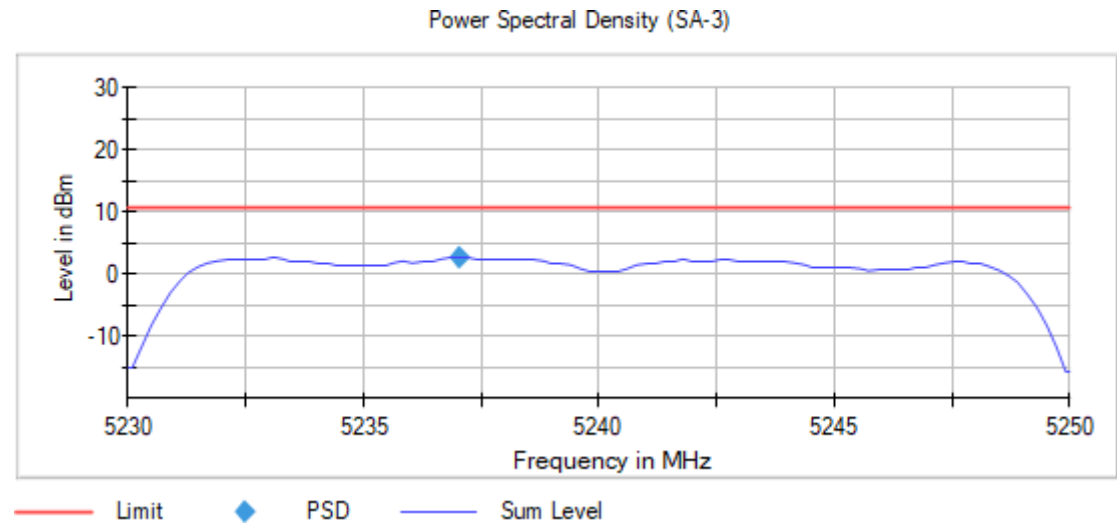
Frequency MHz = 5200.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



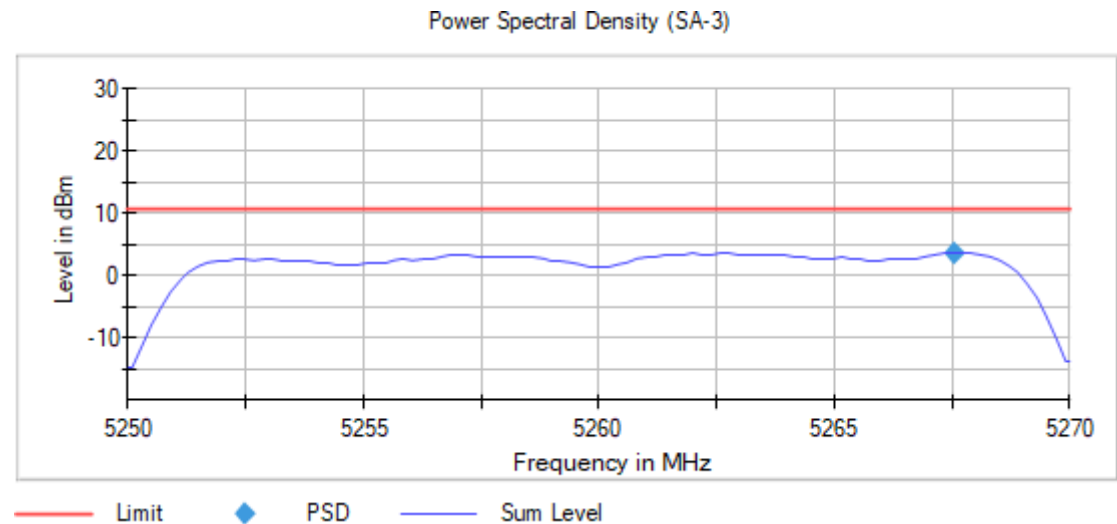
Frequency MHz = 5240.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



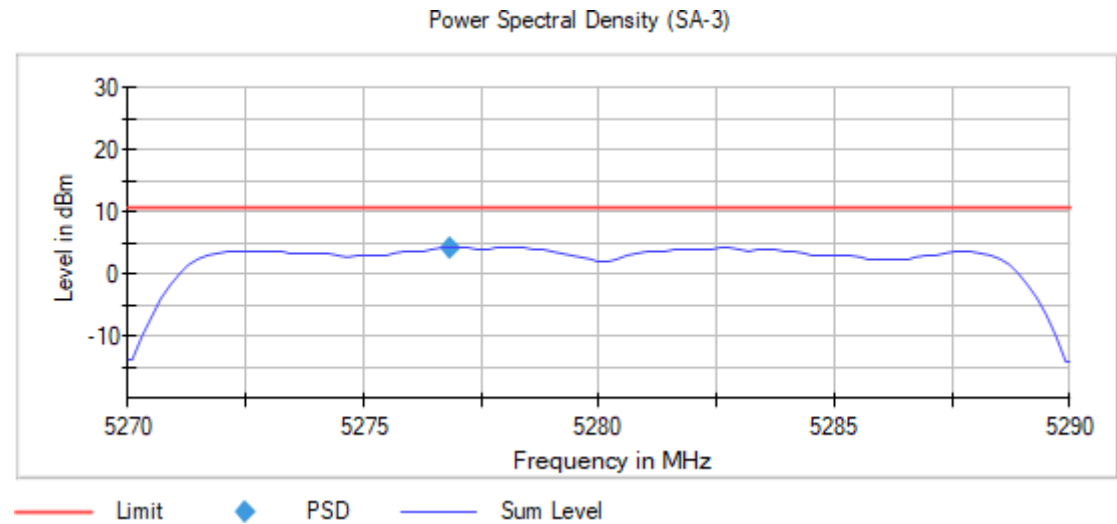
Frequency MHz = 5260.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



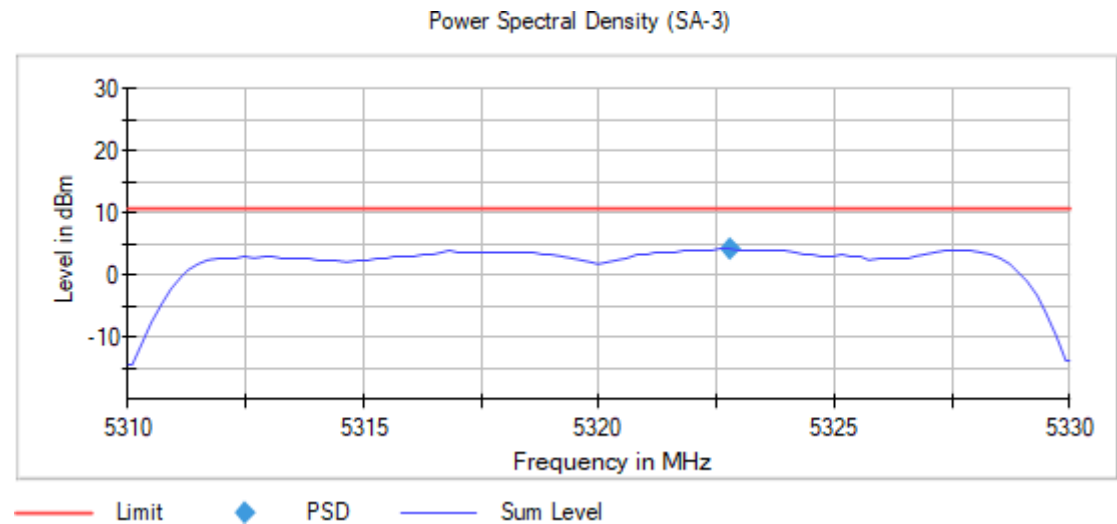
Frequency MHz = 5280.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



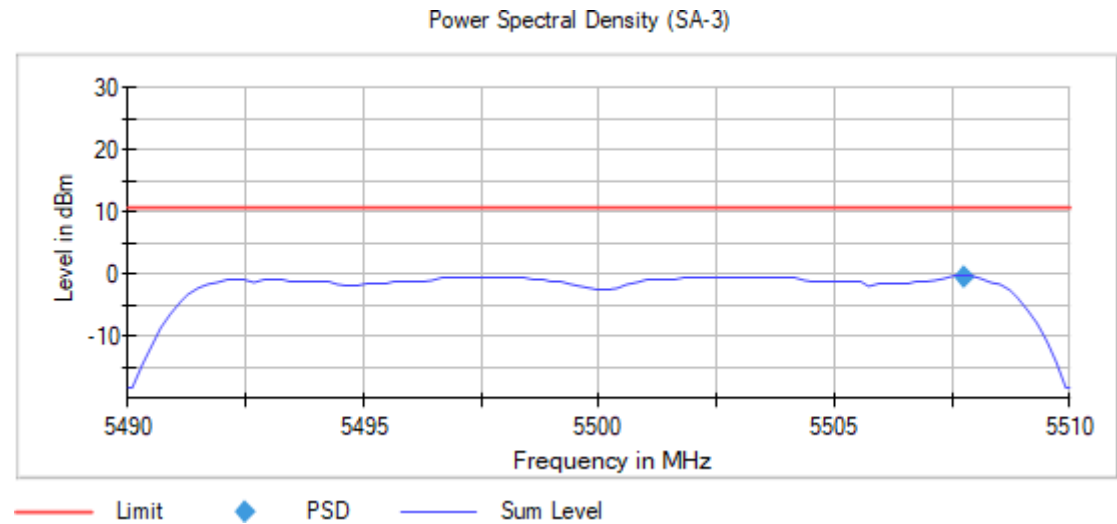
Frequency MHz = 5320.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



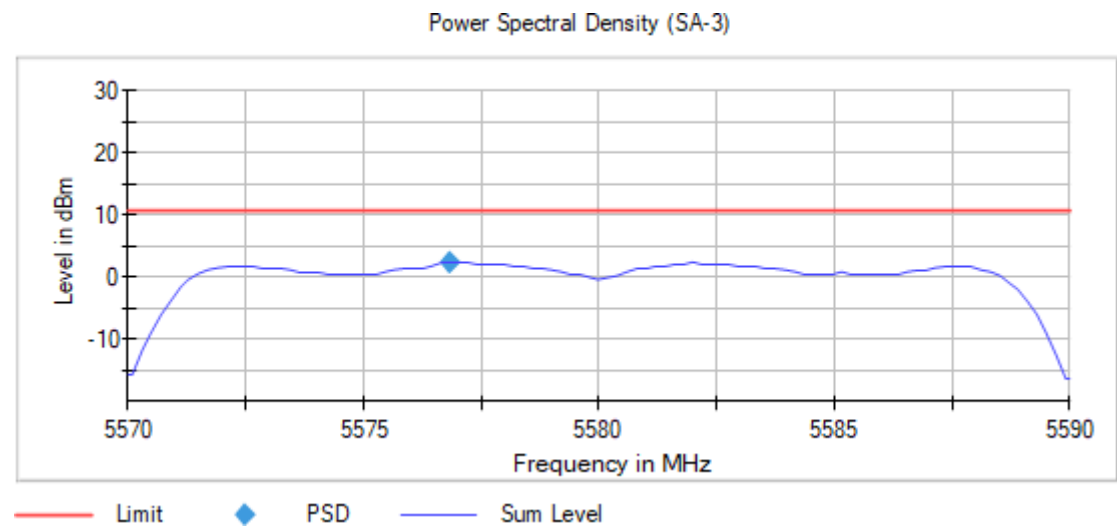
Frequency MHz = 5500.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



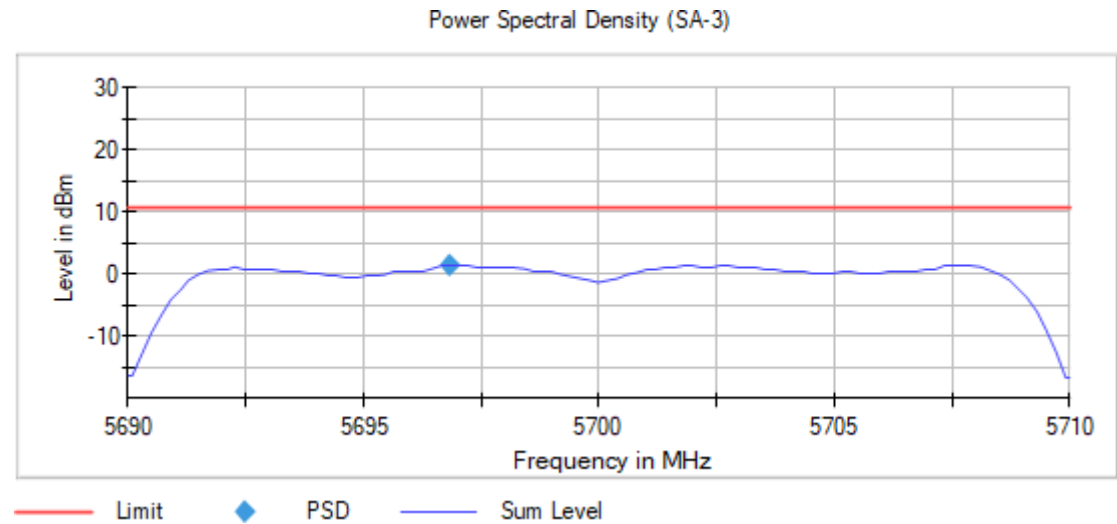
Frequency MHz = 5580.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



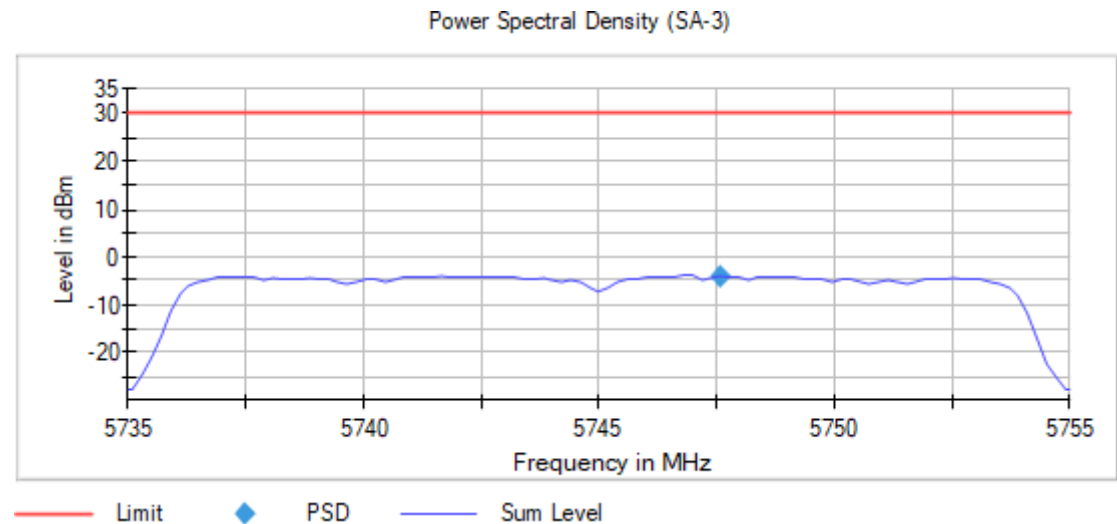
Frequency MHz = 5700.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



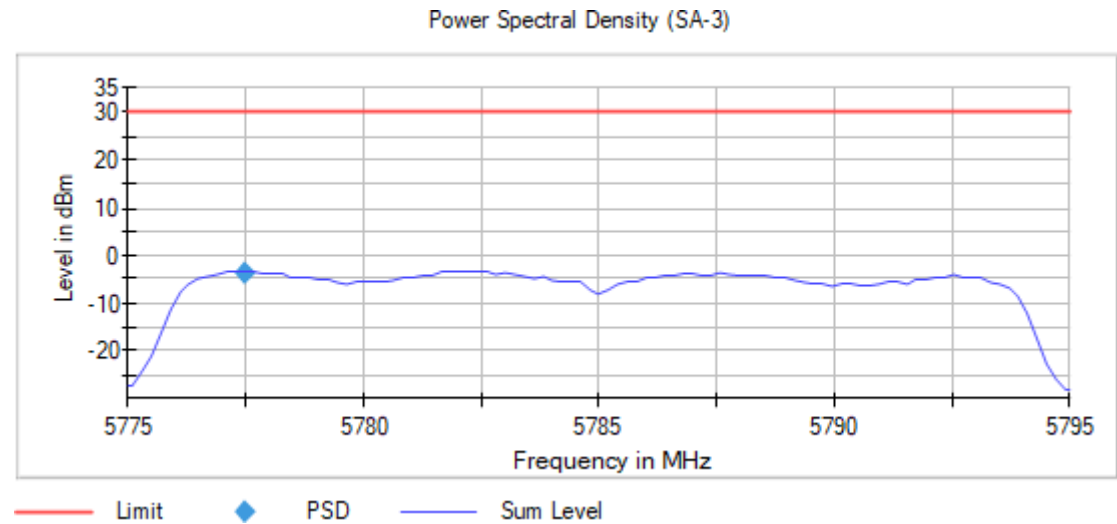
Frequency MHz = 5745.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



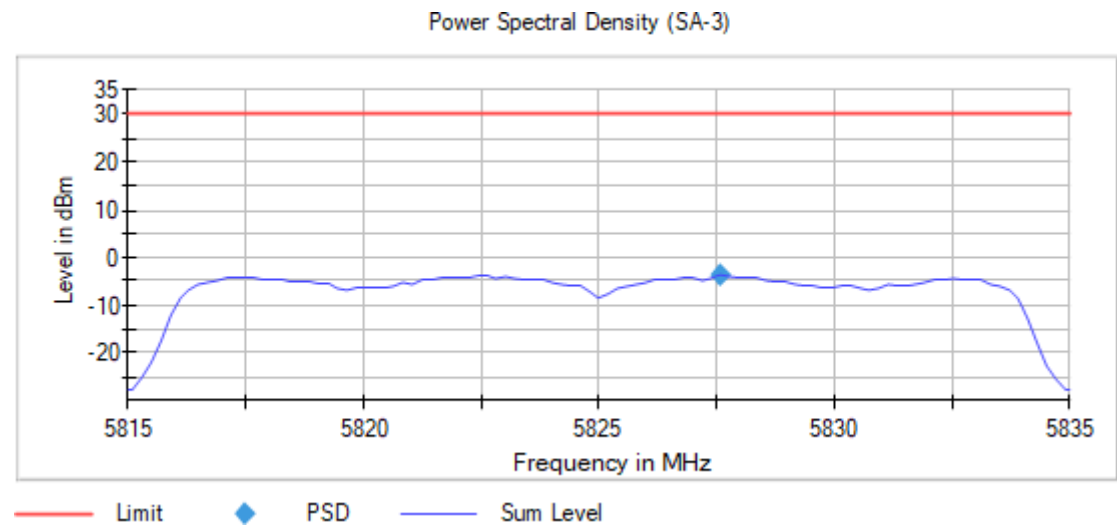
Frequency MHz = 5785.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11ac VHT40 (OFDM MCS9)
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5190.00000	5174.158416	-1.43
5230.00000	5225.643564	-1.24
5270.00000	5275.544554	-2.18
5310.00000	5315.544554	-2.21
5510.00000	5516.336634	-3.32
5550.00000	5566.237624	-2.76
5670.00000	5675.544554	-2.50
5755.00000	5760.125000	-4.21
5795.00000	5778.875000	-4.83

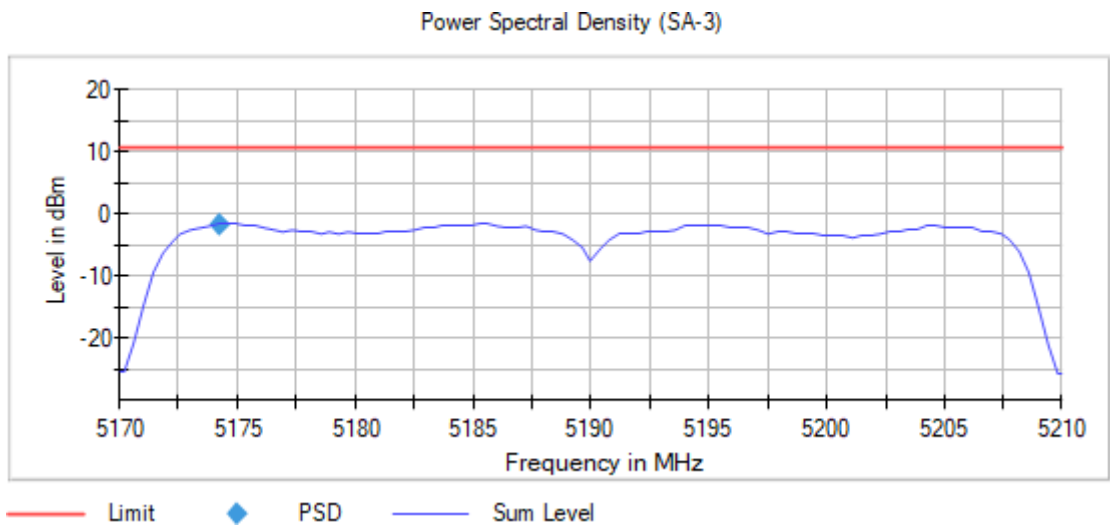
Verdict

Pass

Attachments

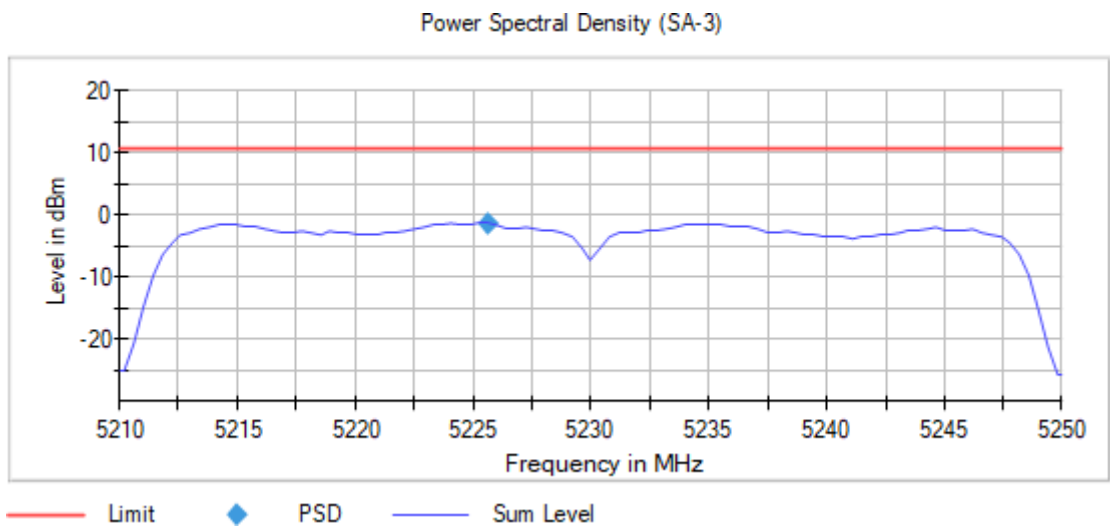
Frequency MHz = 5190.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



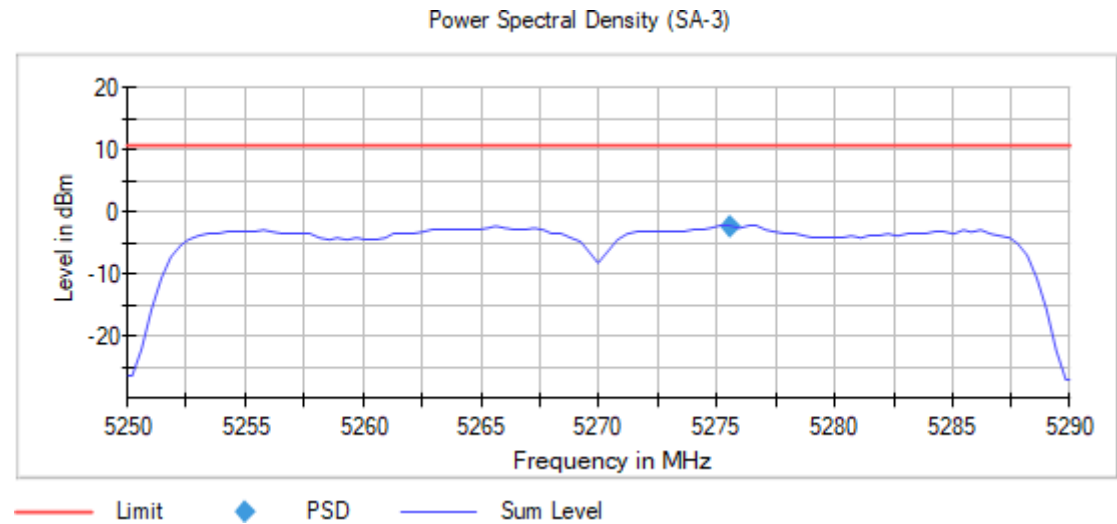
Frequency MHz = 5230.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



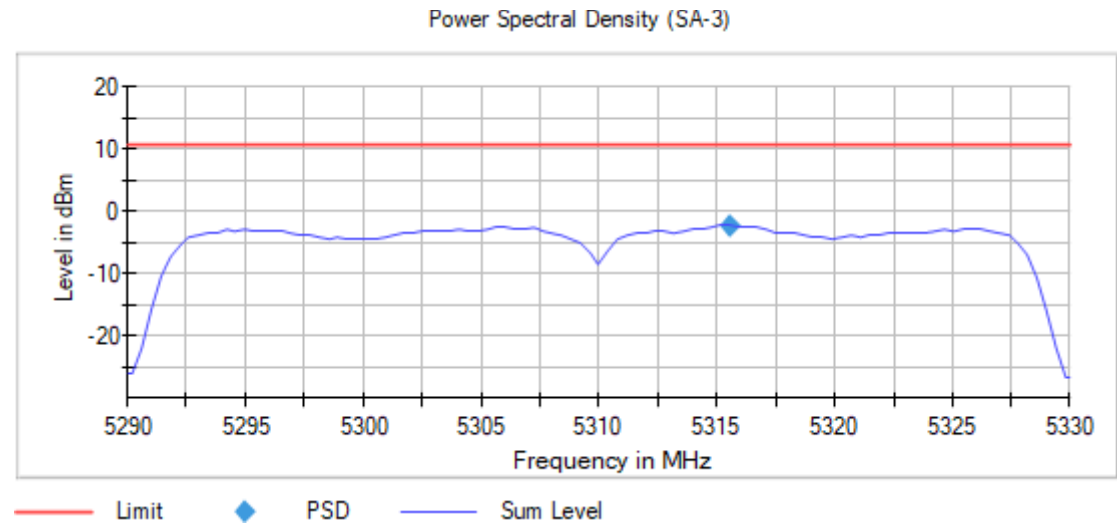
Frequency MHz = 5270.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



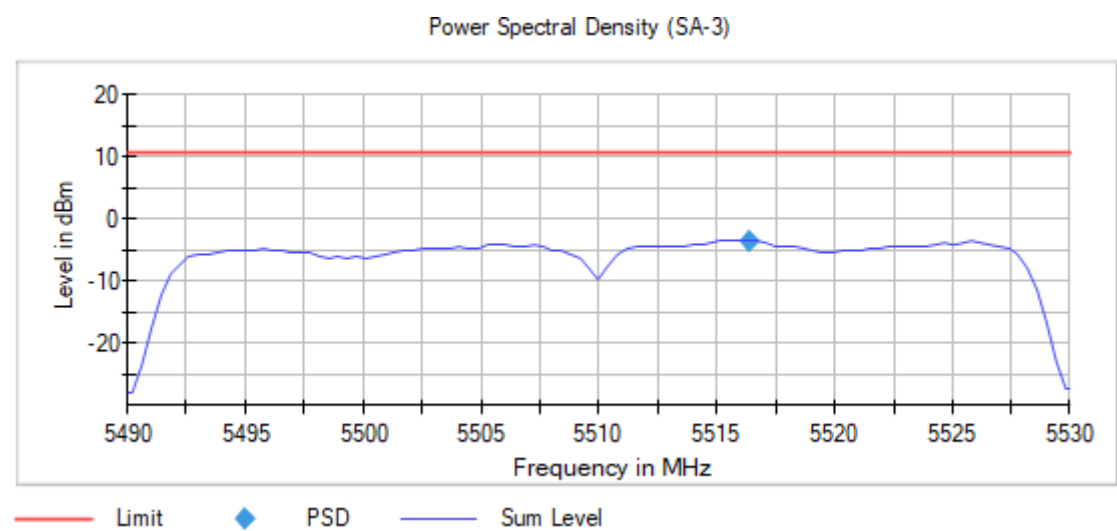
Frequency MHz = 5310.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



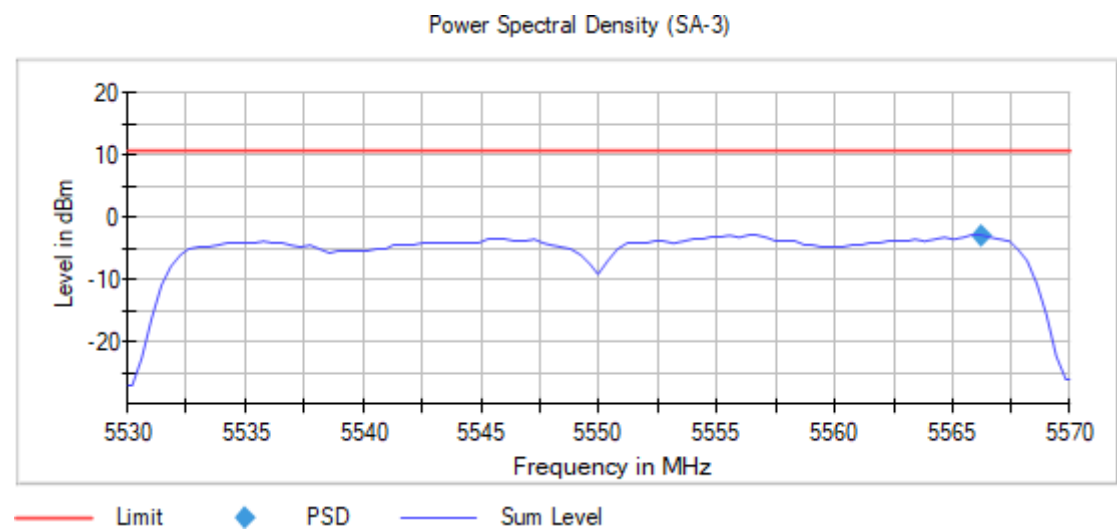
Frequency MHz = 5510.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



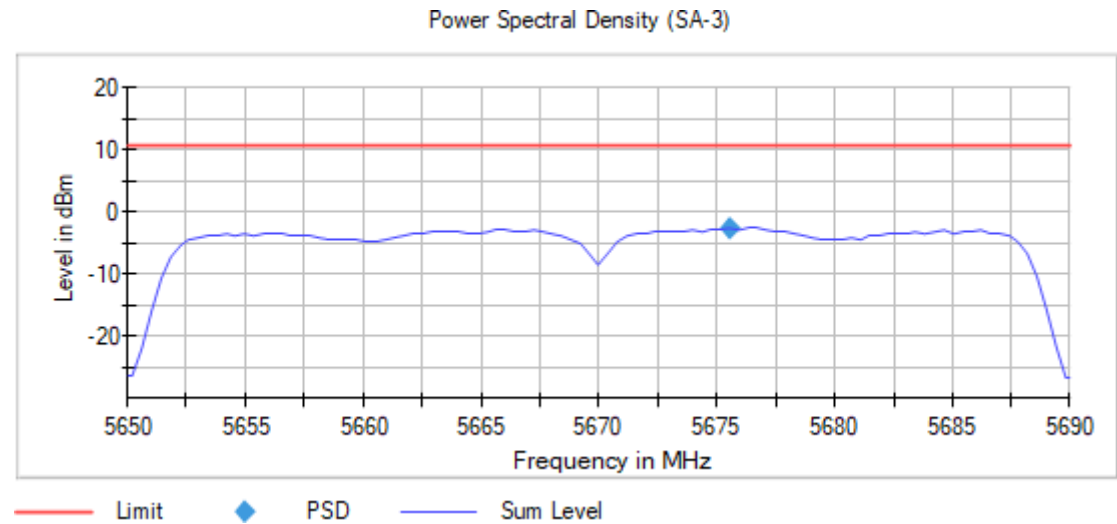
Frequency MHz = 5550.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



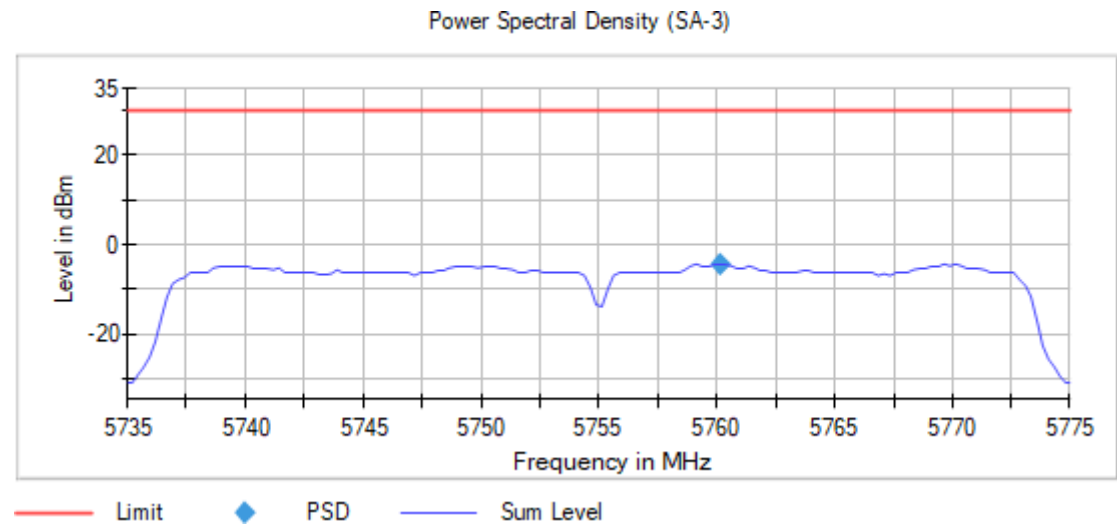
Frequency MHz = 5670.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



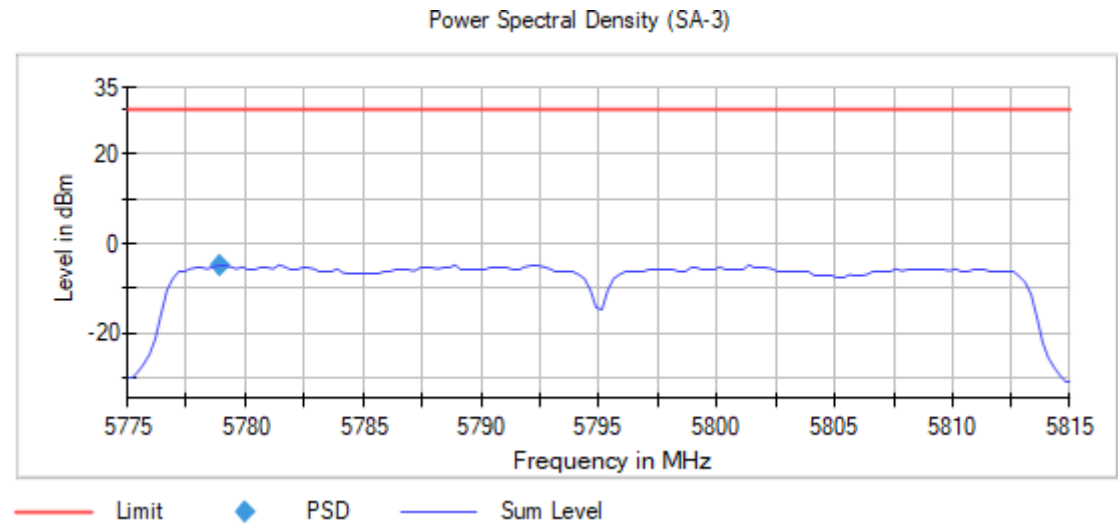
Frequency MHz = 5755.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11ac VHT80 SS1 (OFDM MCS9)
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5210.00000	5218.750000	-6.59
5290.00000	5269.750000	-7.49
5530.00000	5564.750000	-7.42
5610.00000	5641.750000	-6.10
5775.00000	5772.625000	-6.50

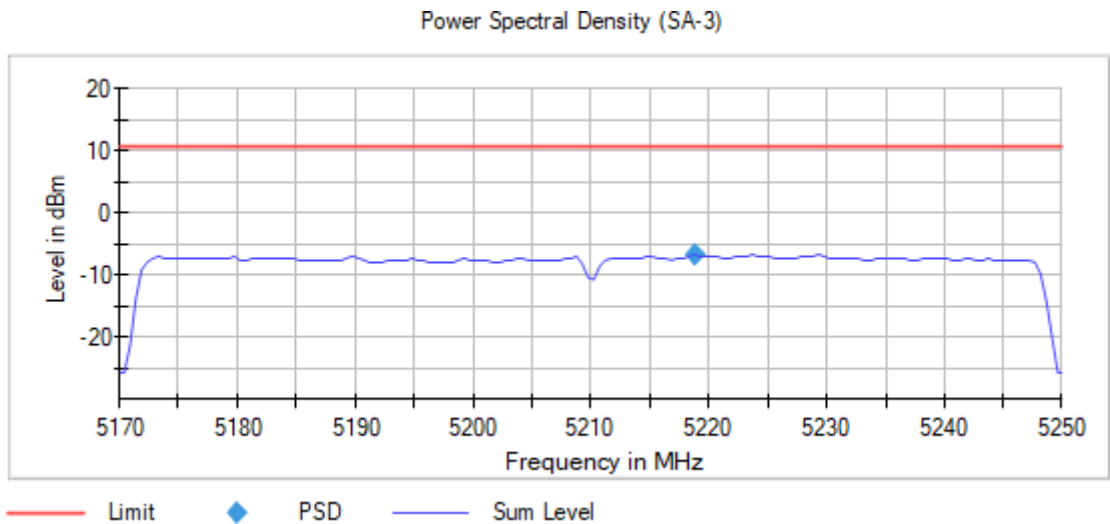
Verdict

Pass

Attachments

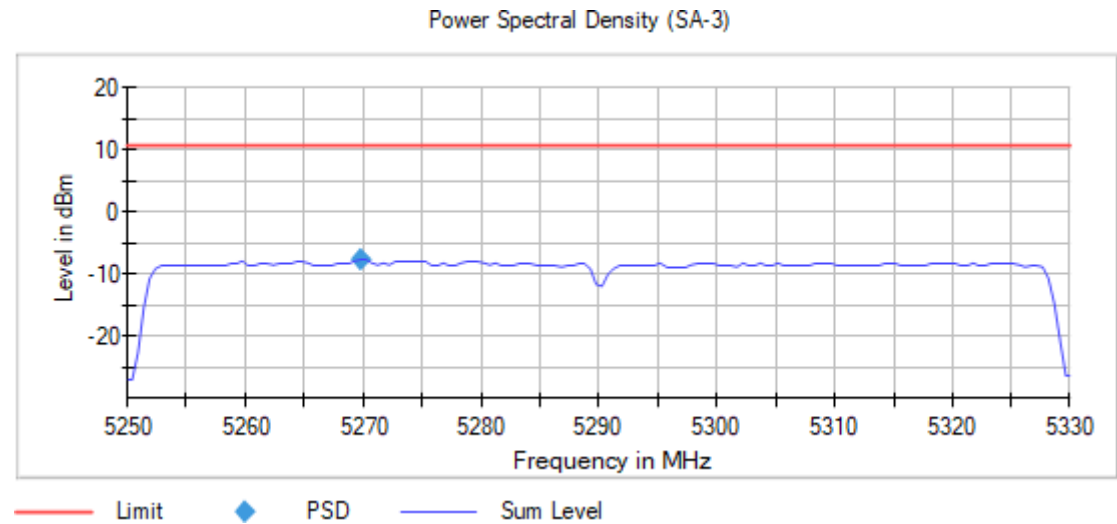
Frequency MHz = 5210.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



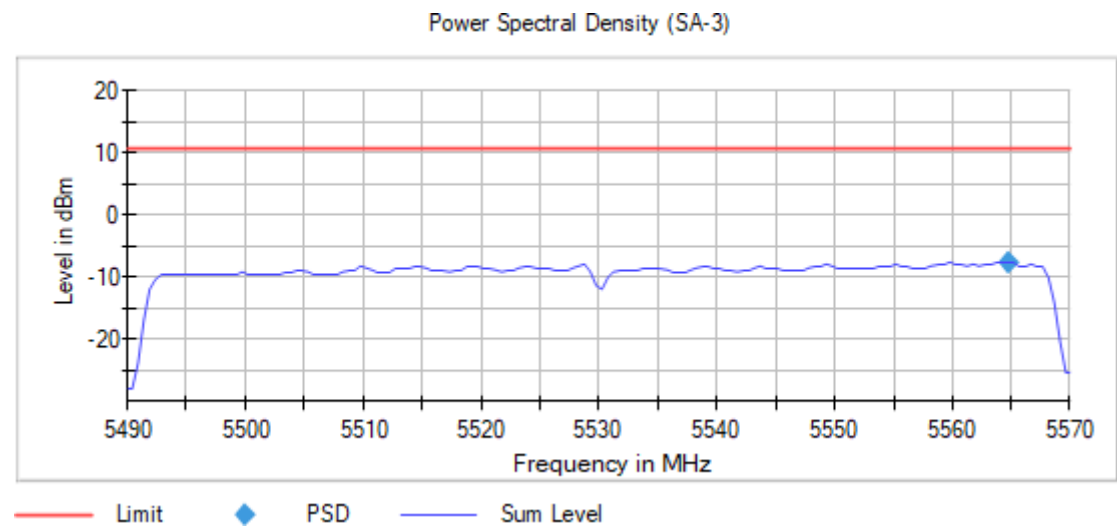
Frequency MHz = 5290.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



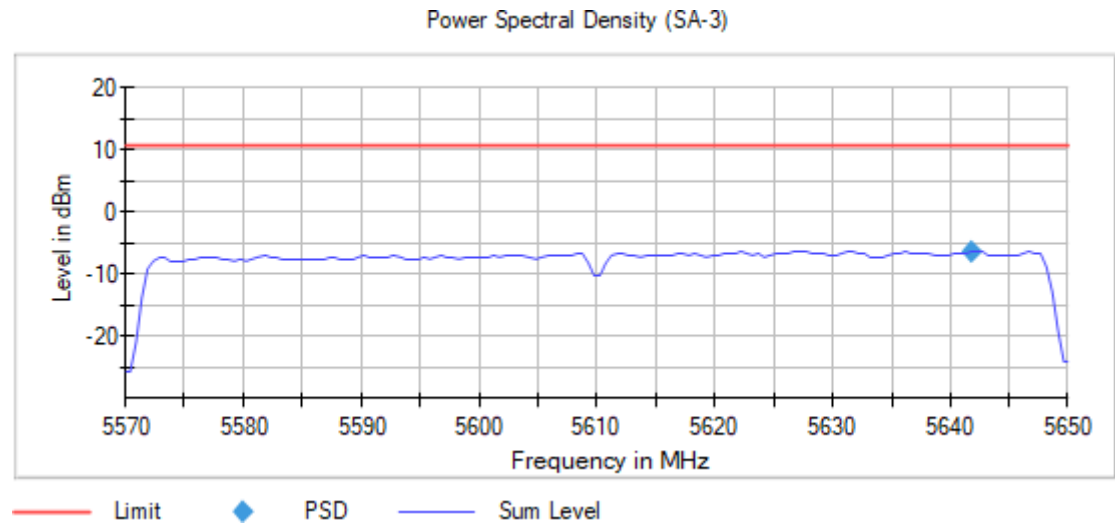
Frequency MHz = 5530.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



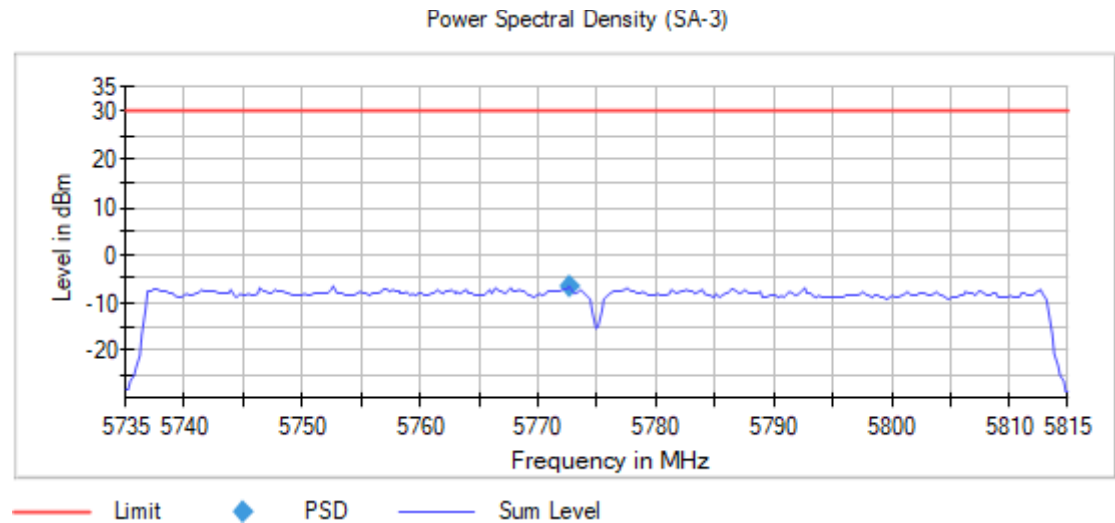
Frequency MHz = 5610.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Pre-test ax mode RU index

Bandwidth: 20 MHz, Lowest Channel

Maximum declared antenna gain: -2.8 dBi

RU-Index	E.I.R.P. (dBm)
0	6.3*
4	5.6
8	5.0
61	2.9

*: Worse case

$\Delta = \text{PSDpar} - \text{PSDfull} = 3.4$

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

Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5180.00000	5182.376238	5.939
5200.00000	5202.376238	0.199
5240.00000	5232.475248	0.623
5260.00000	5262.376238	0.498
5280.00000	5277.029703	0.632
5320.00000	5322.376238	0.607
5500.00000	5502.376238	-0.729
5580.00000	5582.376238	1.357
5700.00000	5702.376238	0.262
5745.00000	5752.524752	-2.807
5785.00000	5777.475248	-1.974
5825.00000	5832.524752	-1.618

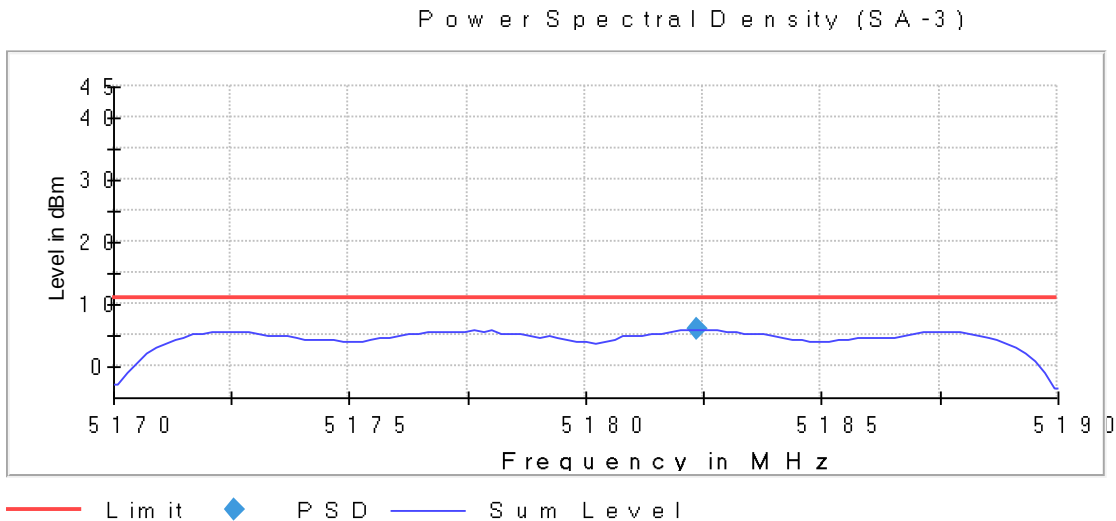
Verdict

Pass

Attachments

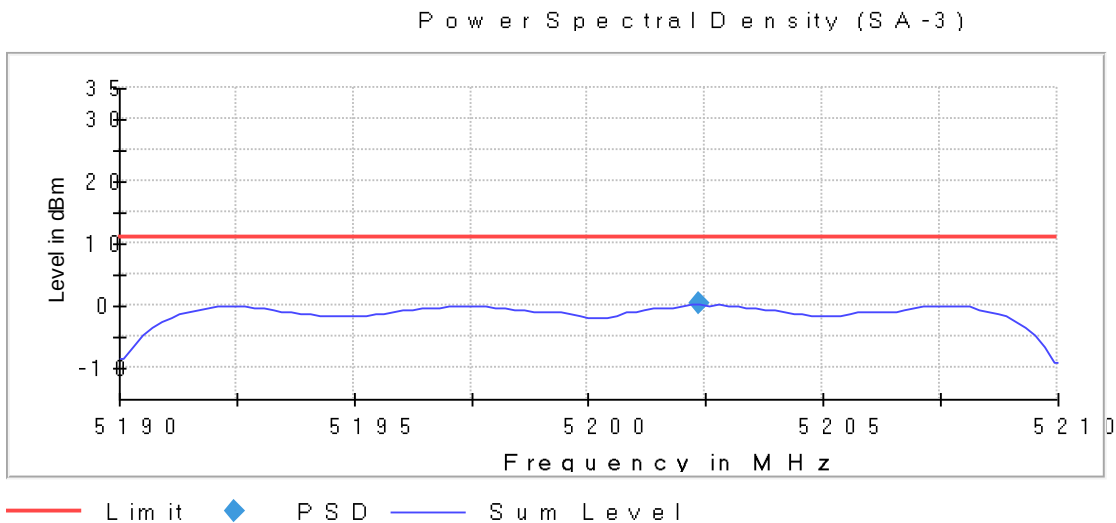
Frequency MHz = 5180.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



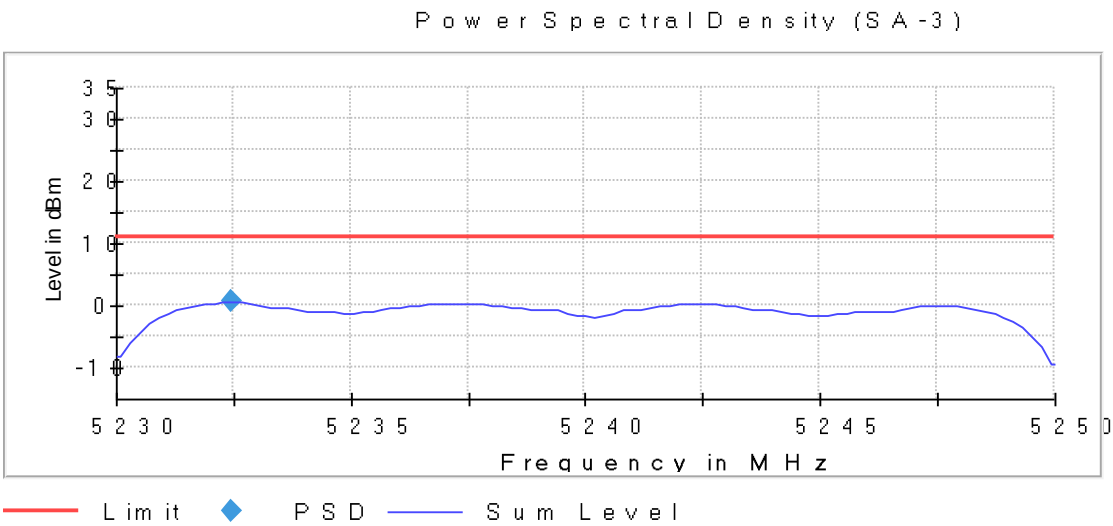
Frequency MHz = 5200.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



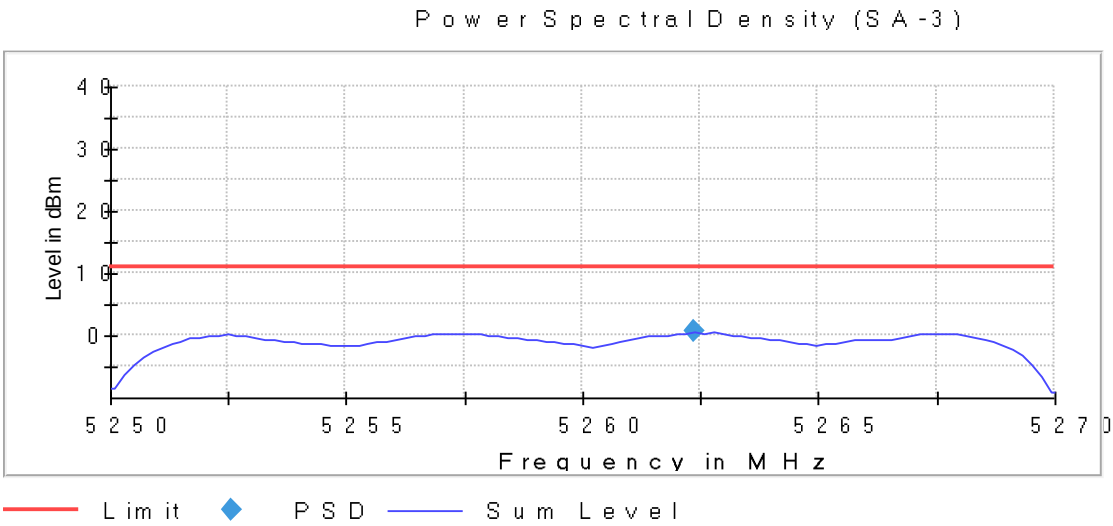
Frequency MHz = 5240.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



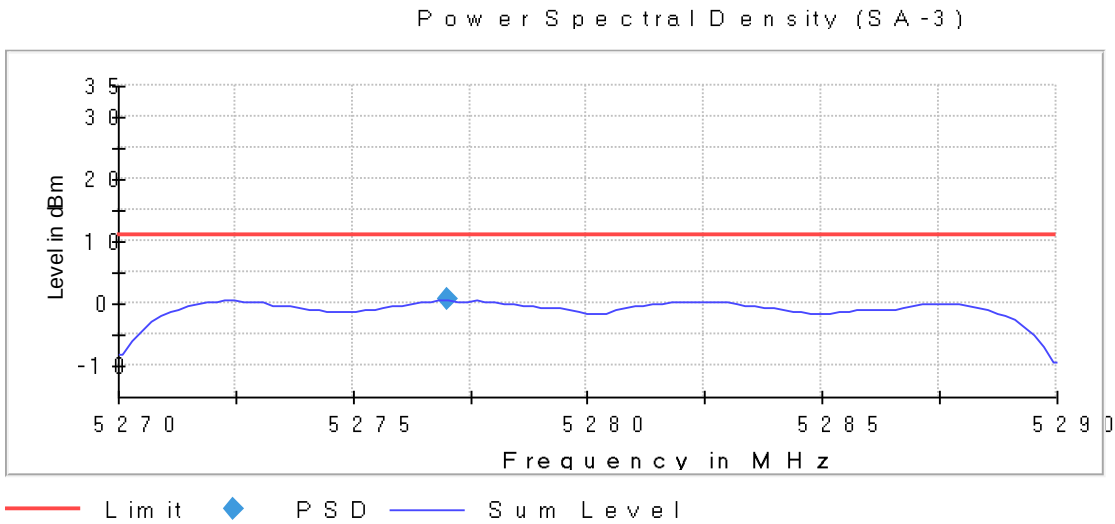
Frequency MHz = 5260.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



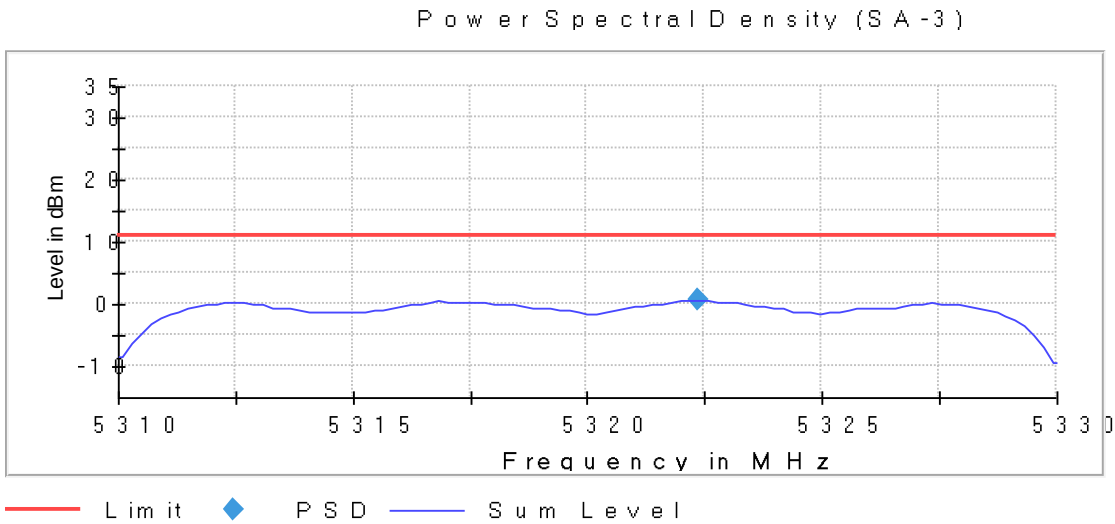
Frequency MHz = 5280.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



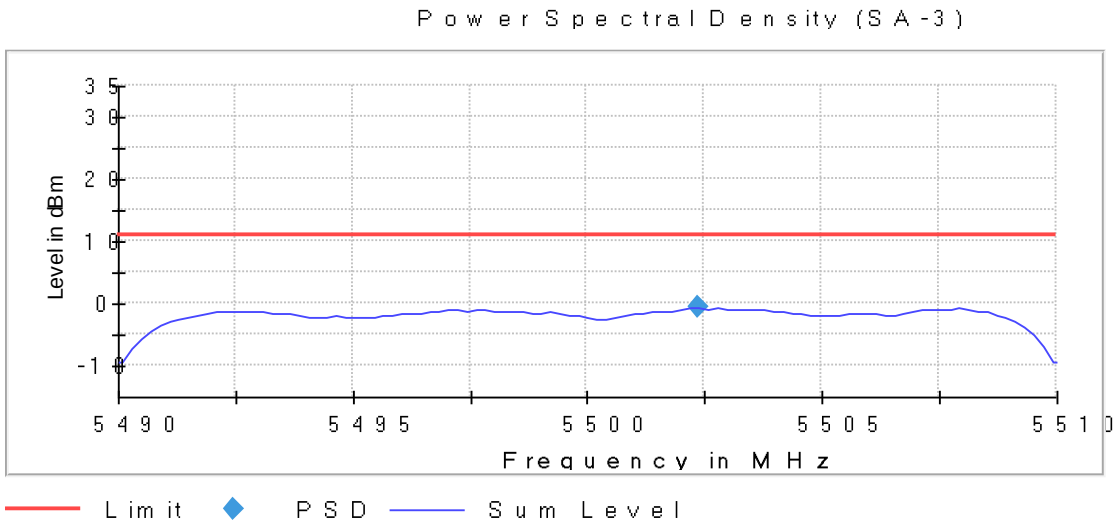
Frequency MHz = 5320.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



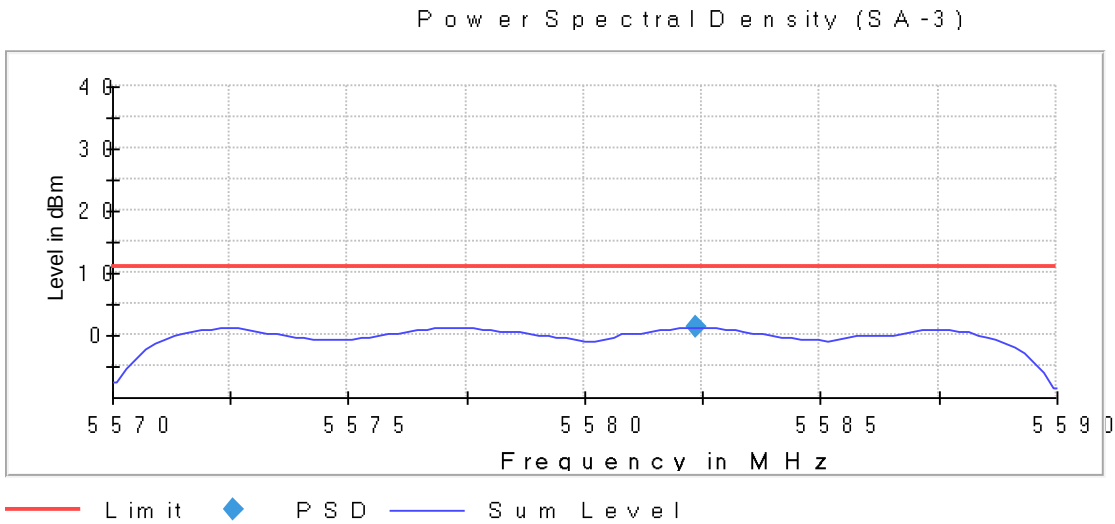
Frequency MHz = 5500.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



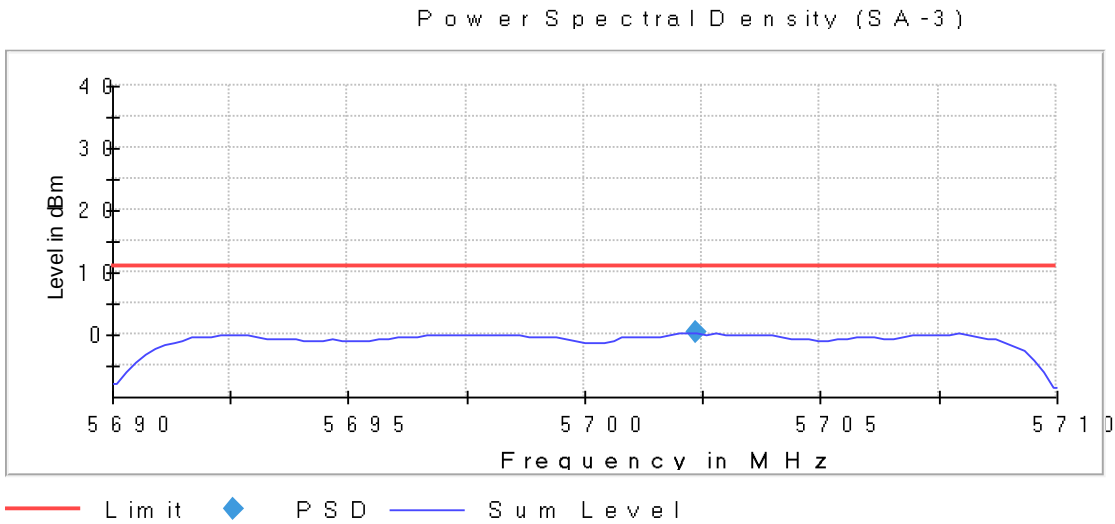
Frequency MHz = 5580.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



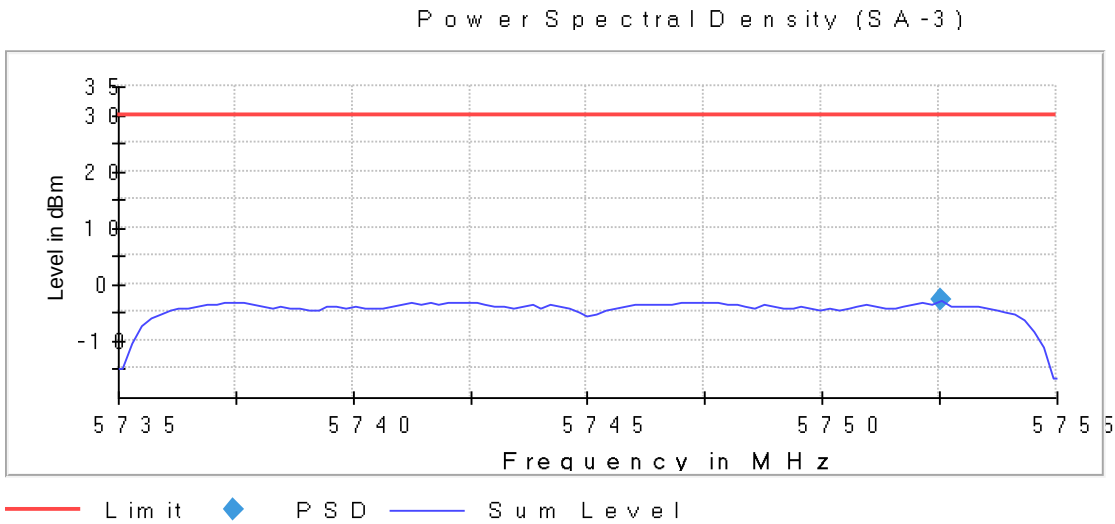
Frequency MHz = 5700.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



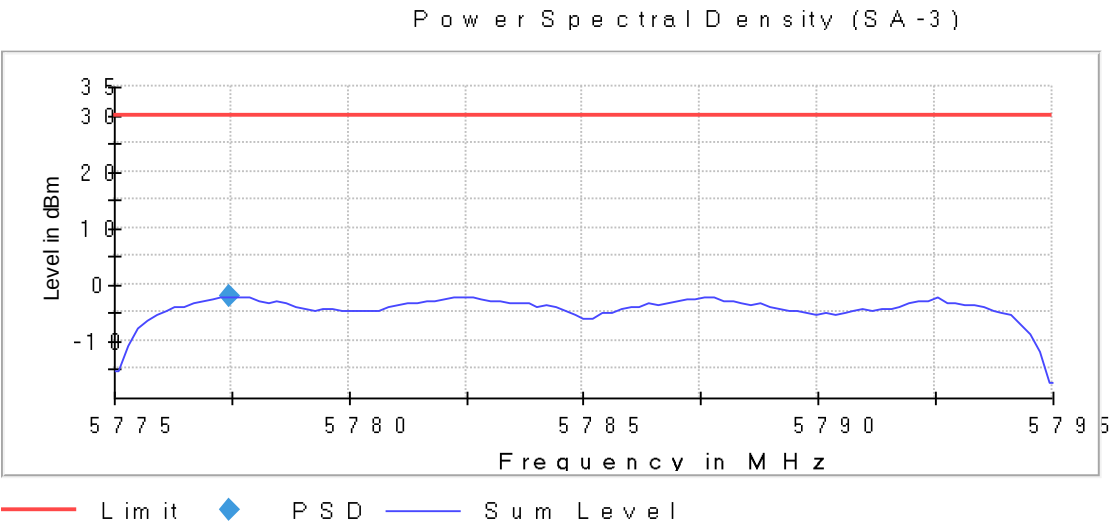
Frequency MHz = 5745.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



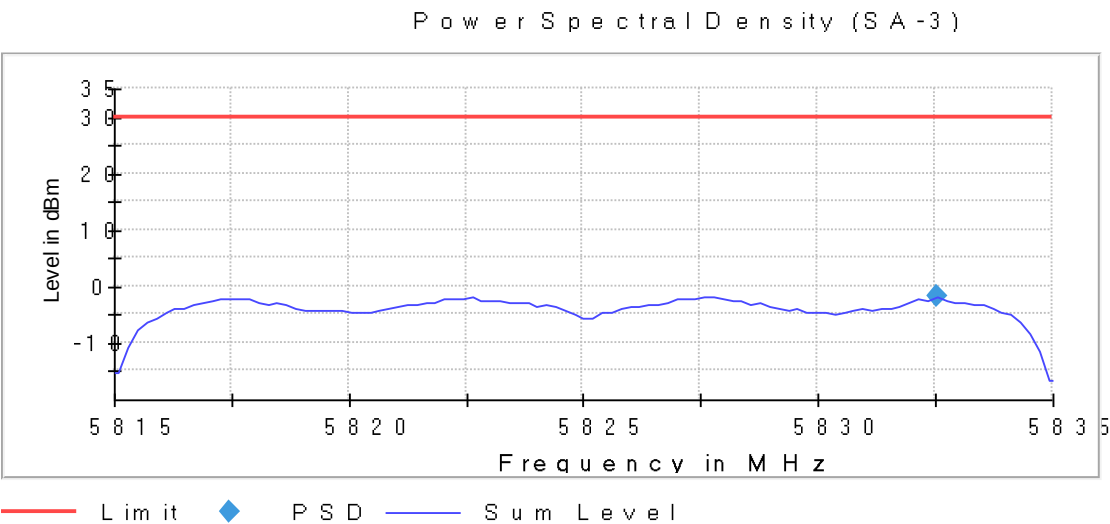
Frequency MHz = 5785.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



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

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5180.00000	5173.267327	9.19
5200.00000	5193.465347	9.75
5240.00000	5233.465347	9.58
5260.00000	5253.267327	9.85
5280.00000	5273.267327	6.35
5320.00000	5313.267327	8.83
5500.00000	5493.267327	9.66
5580.00000	5573.069307	8.23
5700.00000	5693.267327	9.24
5745.00000	5738.267327	6.62
5785.00000	5778.267327	6.17
5825.00000	5818.465347	6.29

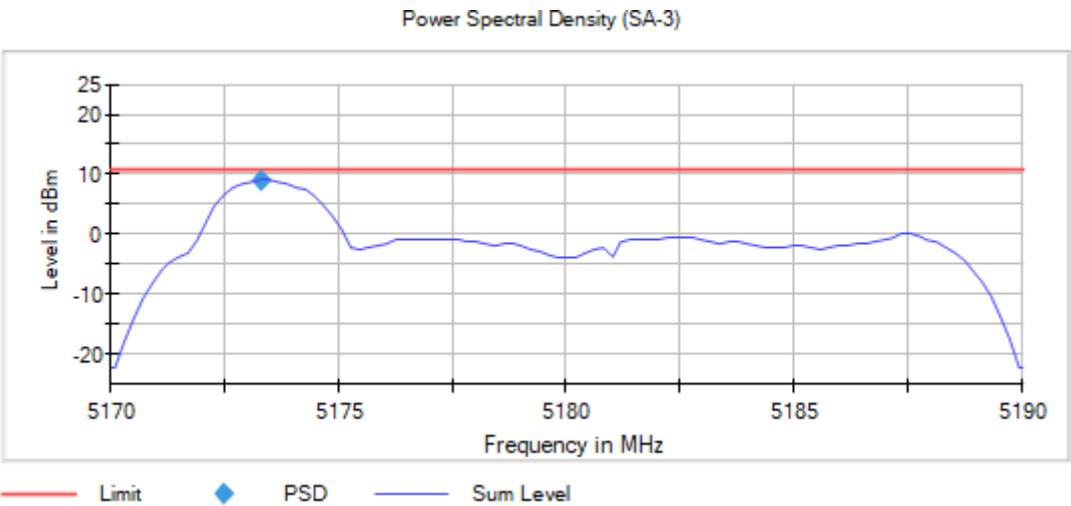
Verdict

Pass

Attachments

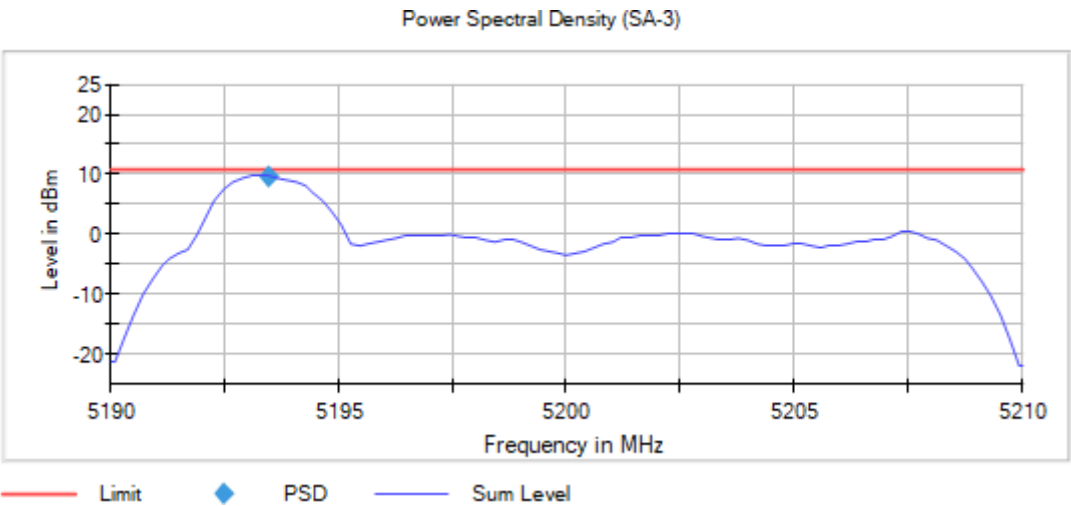
Frequency MHz = 5180.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



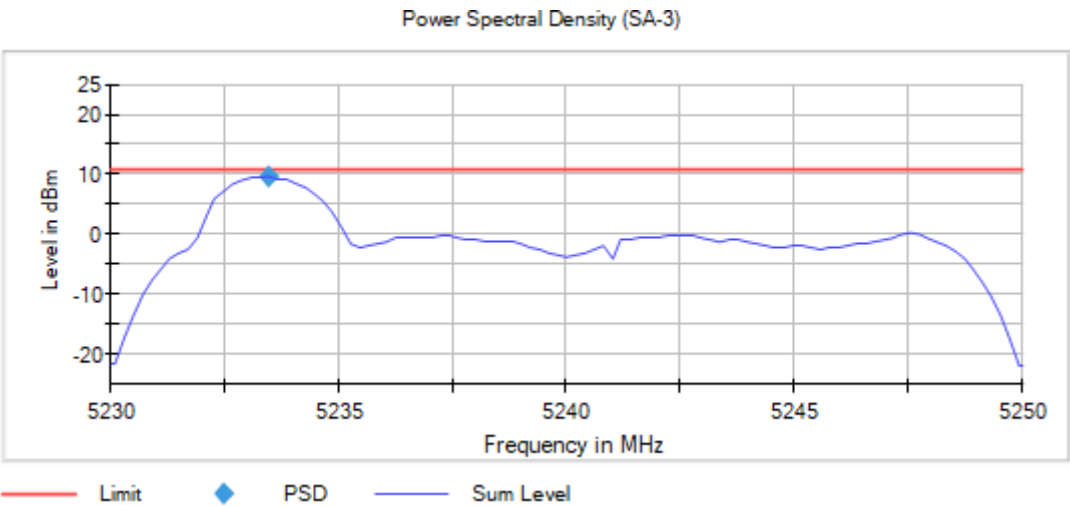
Frequency MHz = 5200.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



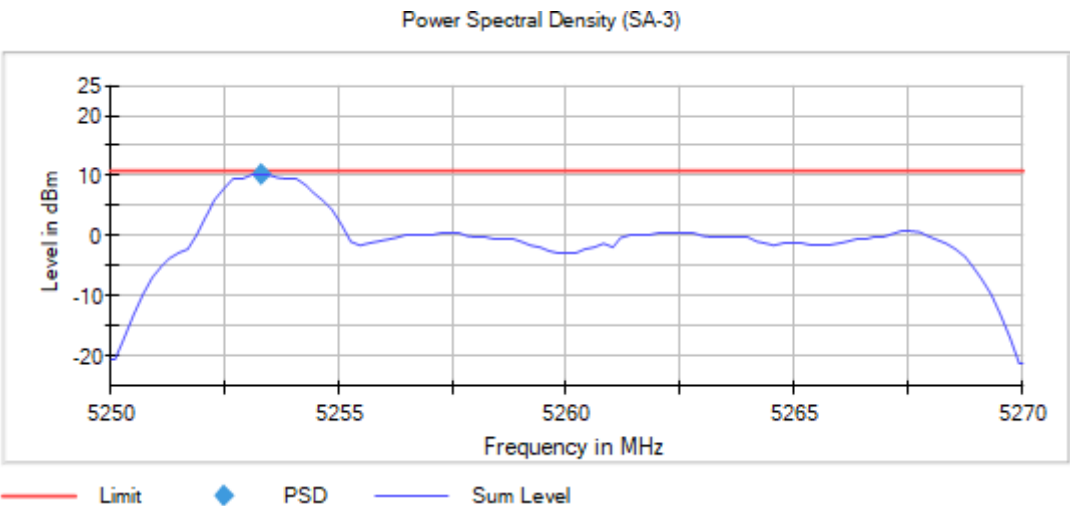
Frequency MHz = 5240.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



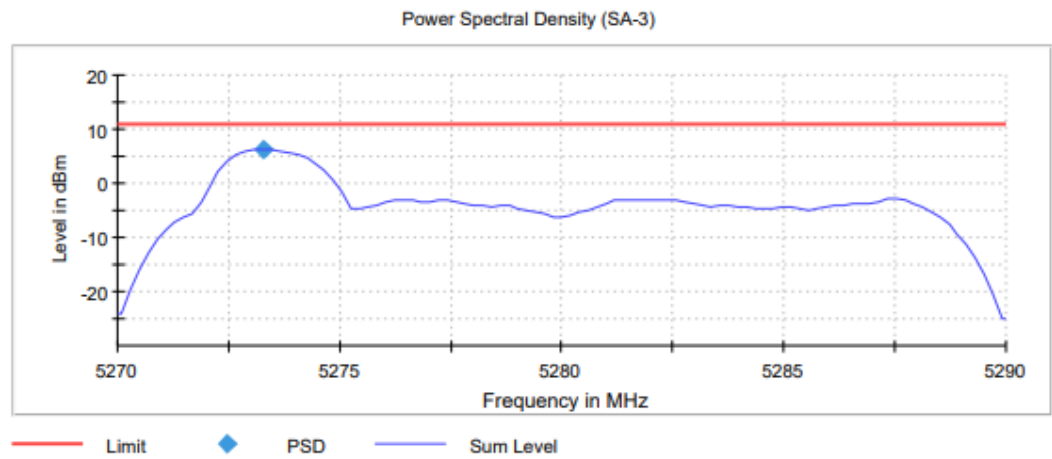
Frequency MHz = 5260.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



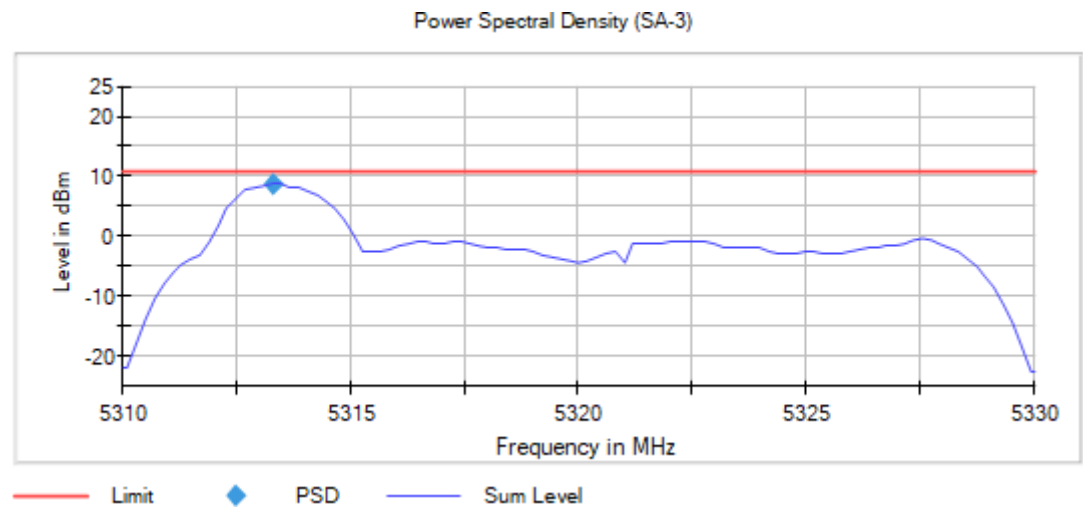
Frequency MHz = 5280.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



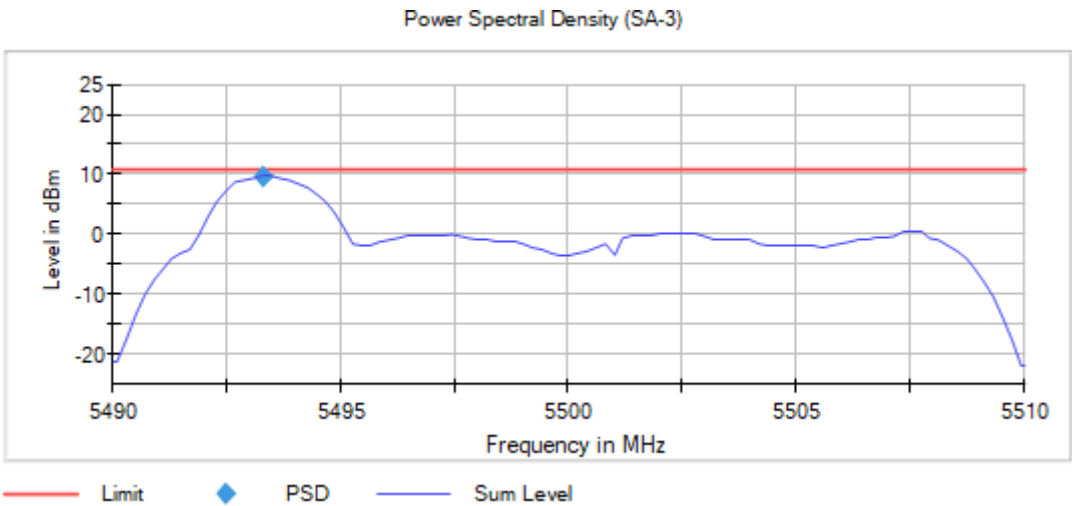
Frequency MHz = 5320.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



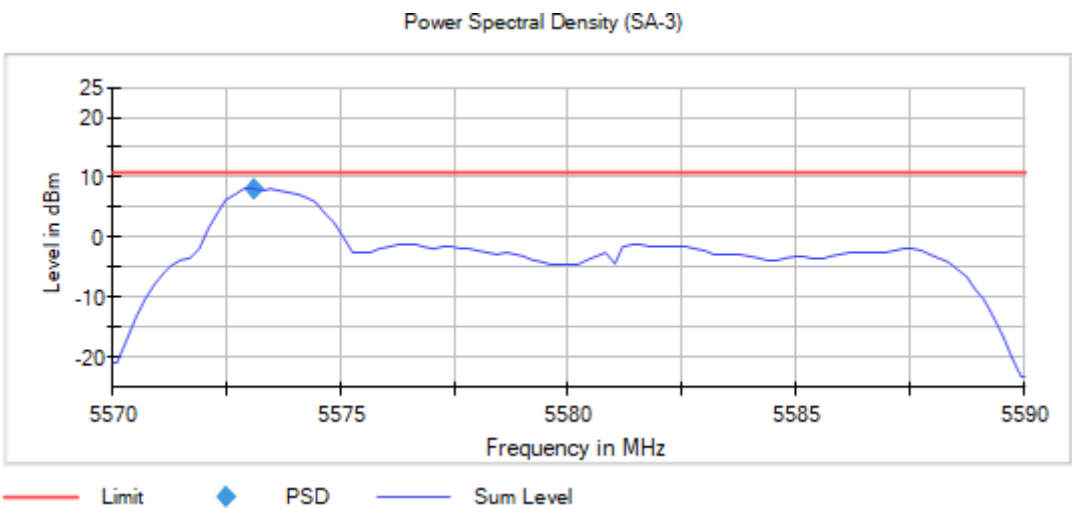
Frequency MHz = 5500.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



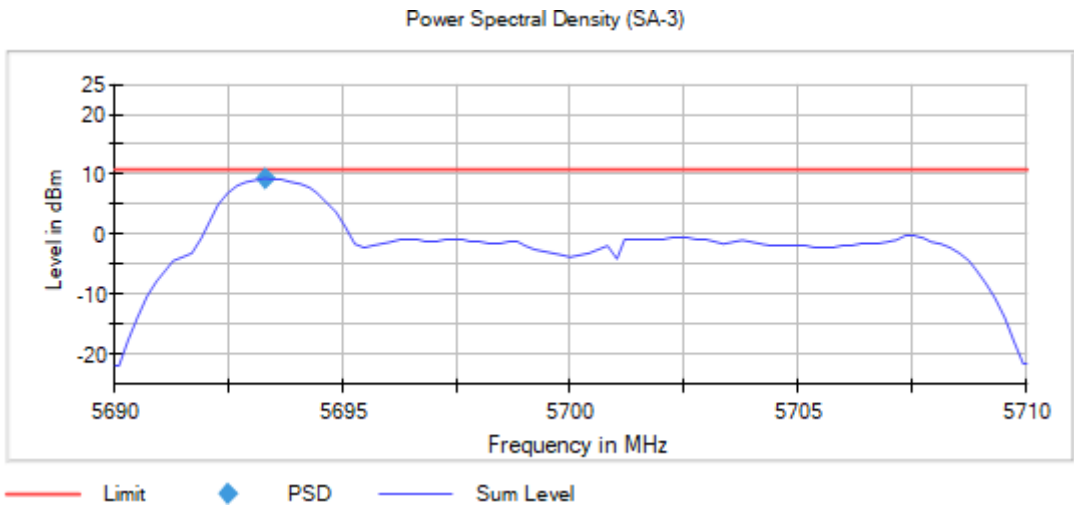
Frequency MHz = 5580.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



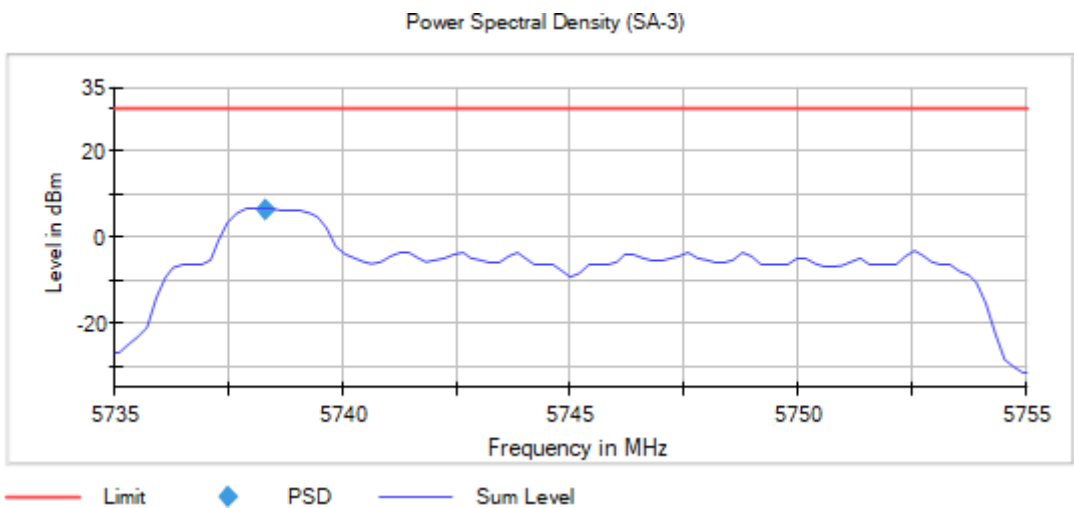
Frequency MHz = 5700.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



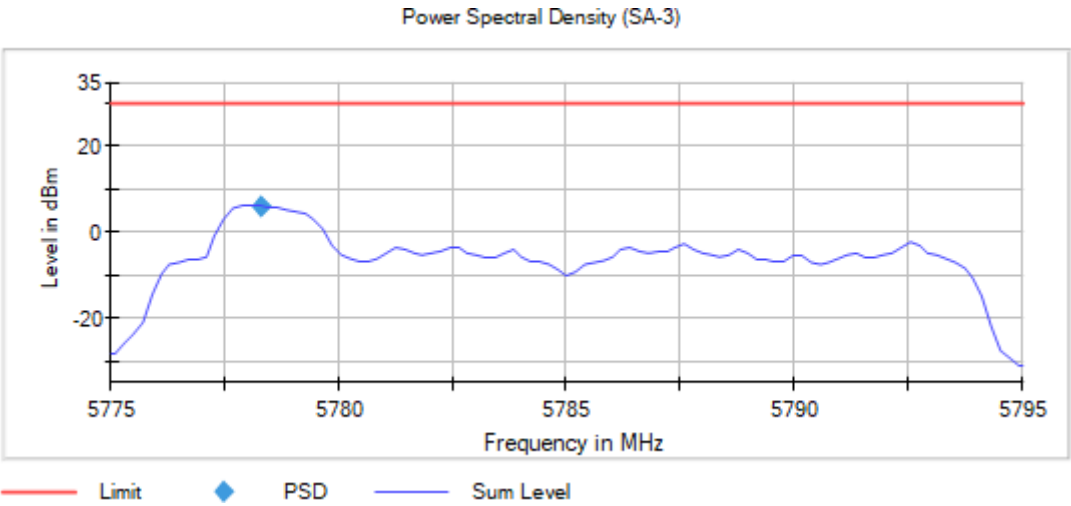
Frequency MHz = 5745.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



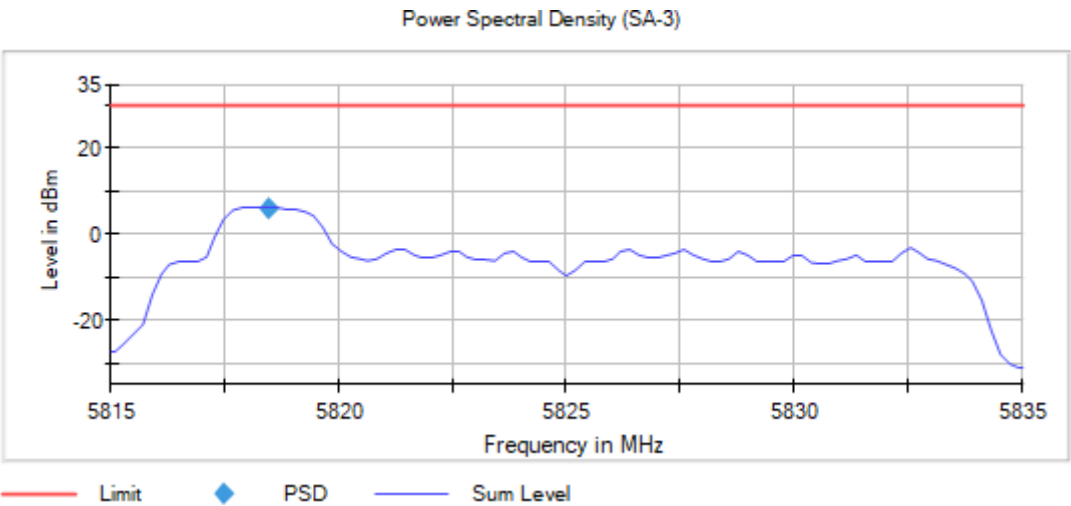
Frequency MHz = 5785.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



Pre-test ax mode RU index

Bandwidth: 40 MHz, Lowest Channel

Maximum declared antenna gain: -2.8 dBi

RU-Index	E.I.R.P. (dBm)
0	7.1
8	8.18*
17	7.35
65	-0.65
67	-0.78

*: Worse case

$\Delta = \text{PSDpar} - \text{PSDfull} = 8.83$

Mode: MIMO CCD Mode 2x2

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

Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5190.00000	5184.851485	-2.10
5230.00000	5235.148515	-1.79
5270.00000	5275.544554	-1.99
5310.00000	5315.940594	-1.99
5510.00000	5515.544554	-2.17
5550.00000	5555.544554	-1.82
5670.00000	5672.376238	-1.35
5755.00000	5760.125000	-4.32
5795.00000	5797.625000	-4.70

Verdict

Pass

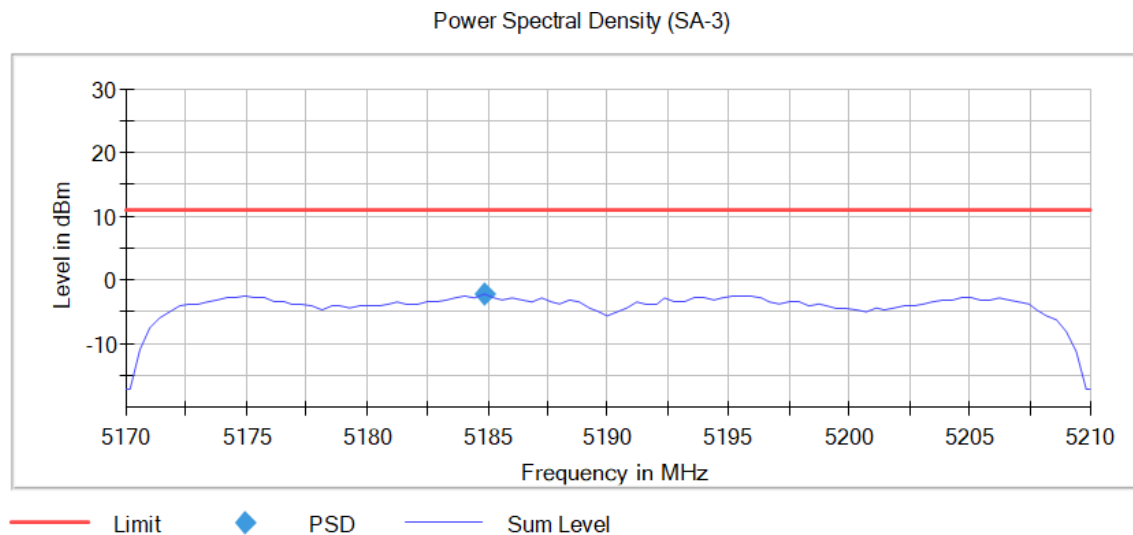
Attachments

Frequency MHz = 5190.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:

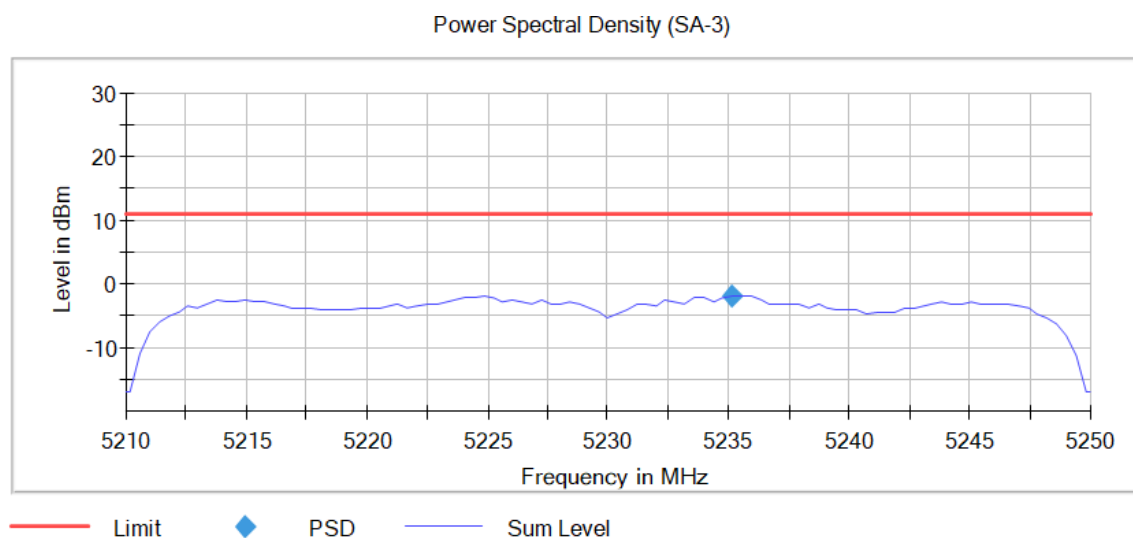


Frequency MHz = 5230.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)

TPC = No Mode = MIMO CCD Mode 2x2

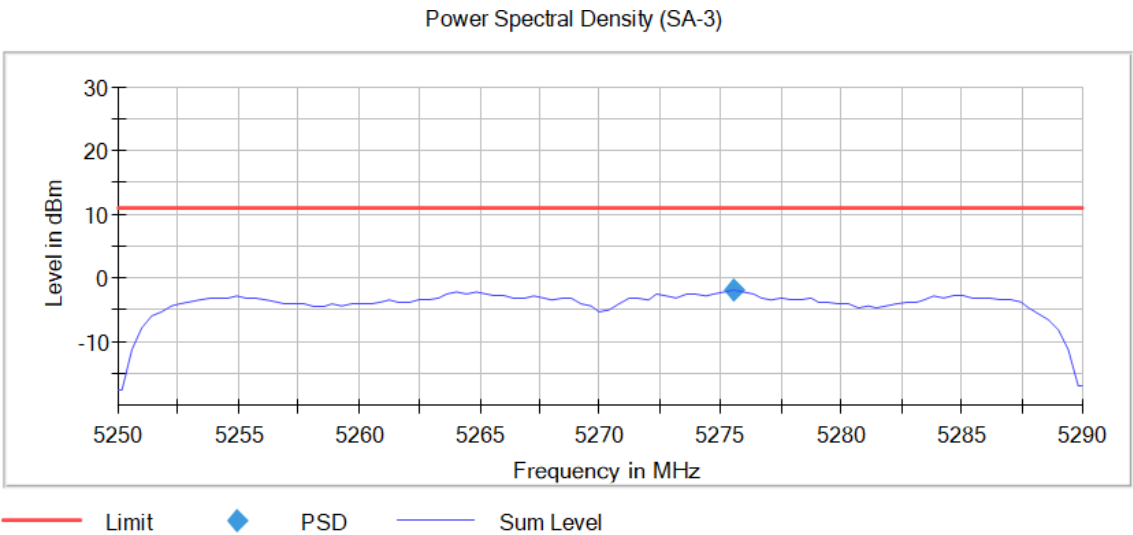
Number of Transmission Chains = 2

Images:



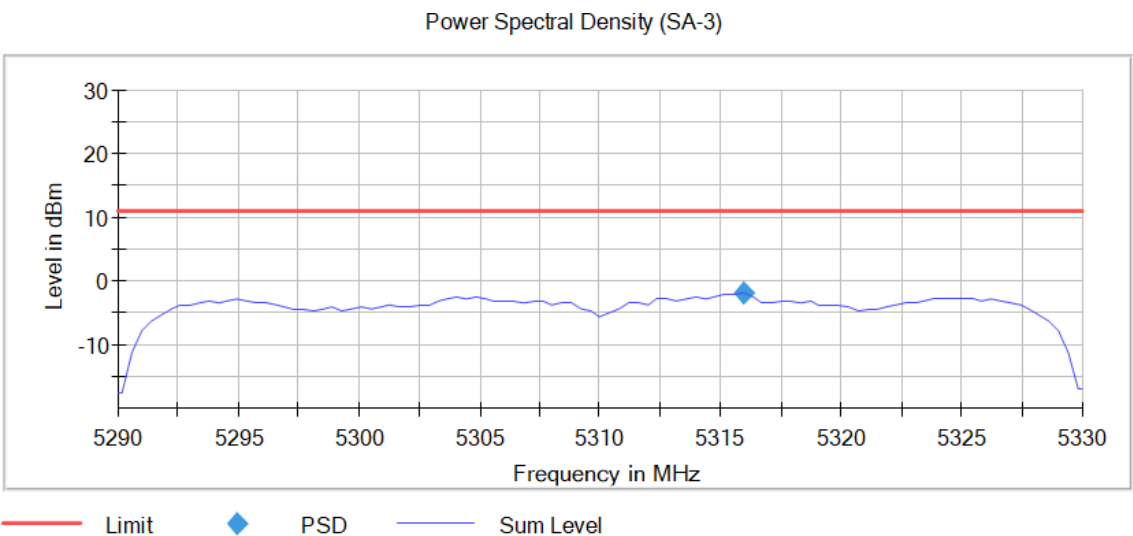
Frequency MHz = 5270.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



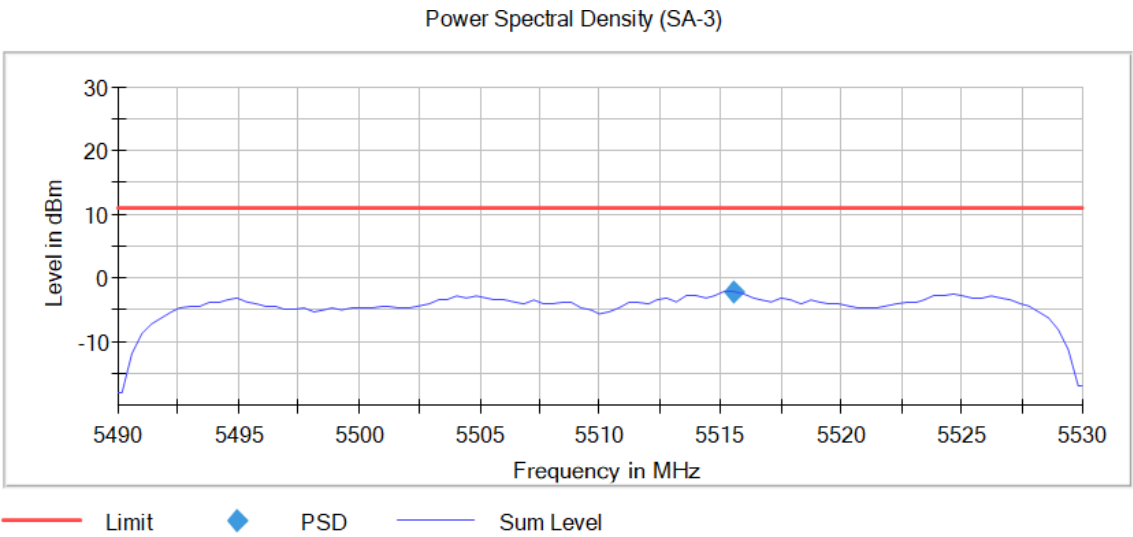
Frequency MHz = 5310.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



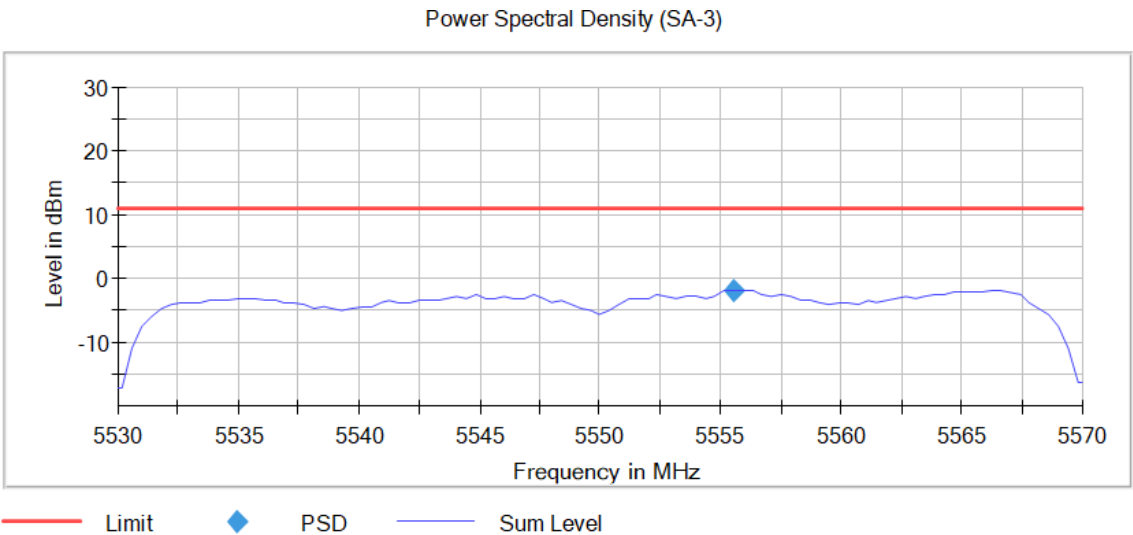
Frequency MHz = 5510.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:

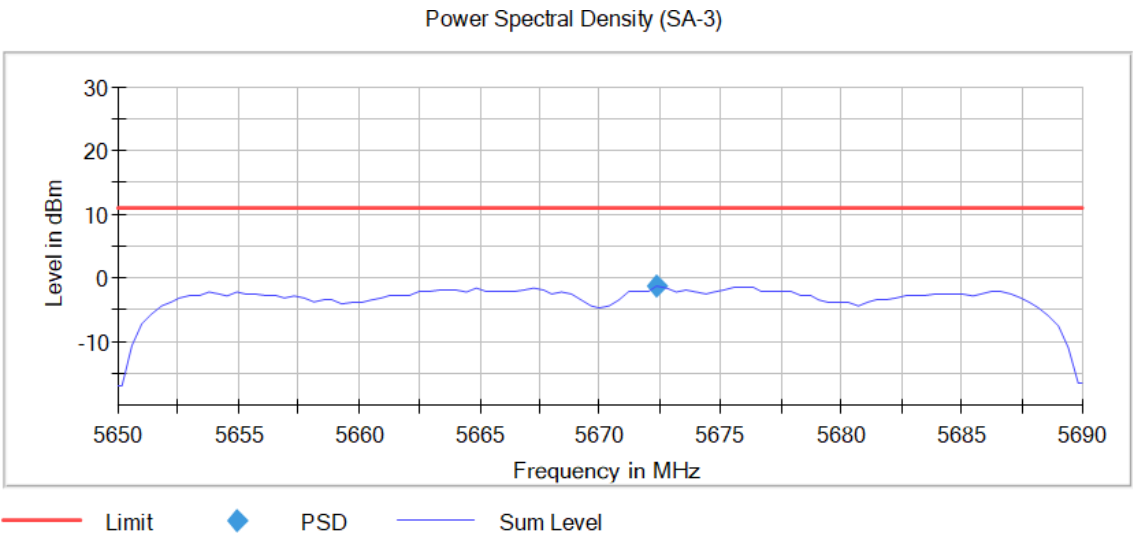


Frequency MHz = 5550.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

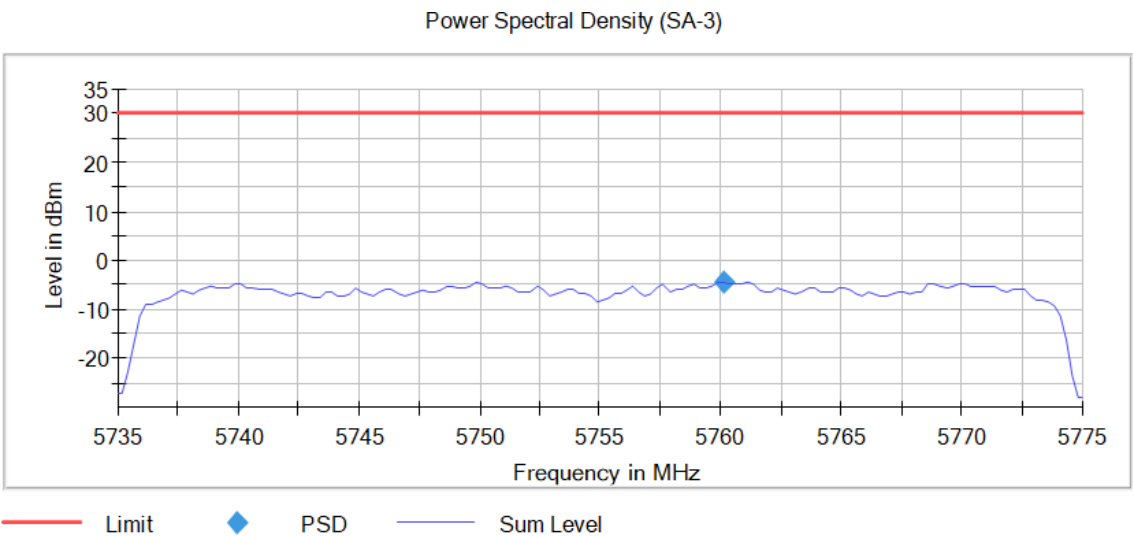
Images:



Frequency MHz = 5670.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2
images:

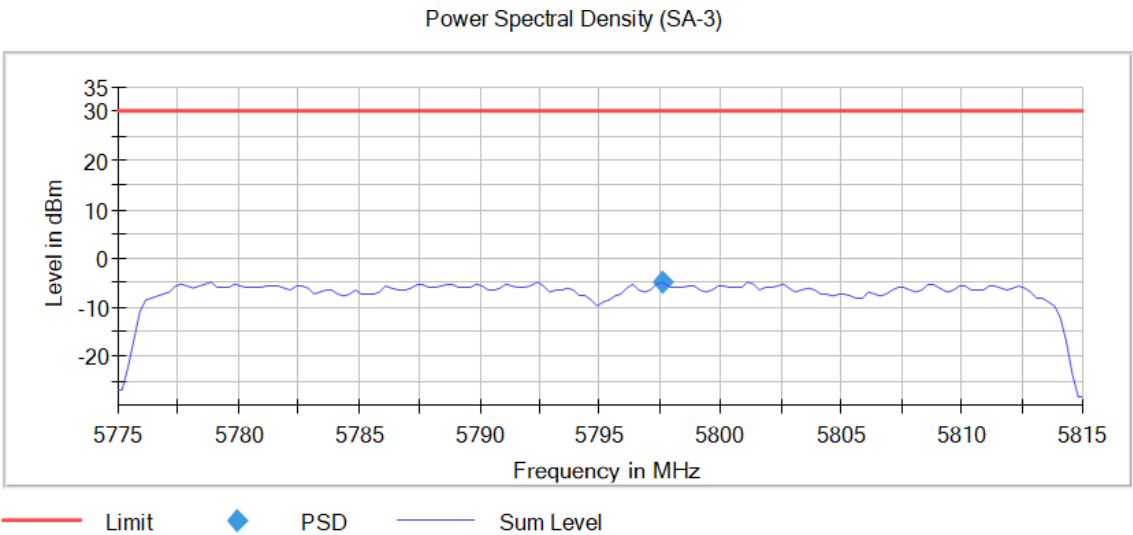


Frequency MHz = 5755.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2
Images:



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

Images:



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

Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5190.00000	5188.415842	9.04
5230.00000	5228.415842	9.21
5270.00000	5268.415842	9.97
5310.00000	5308.415842	8.56
5510.00000	5508.415842	9.54
5550.00000	5548.415842	9.59
5670.00000	5668.415842	9.32
5755.00000	5753.125000	6.11
5795.00000	5792.875000	5.63

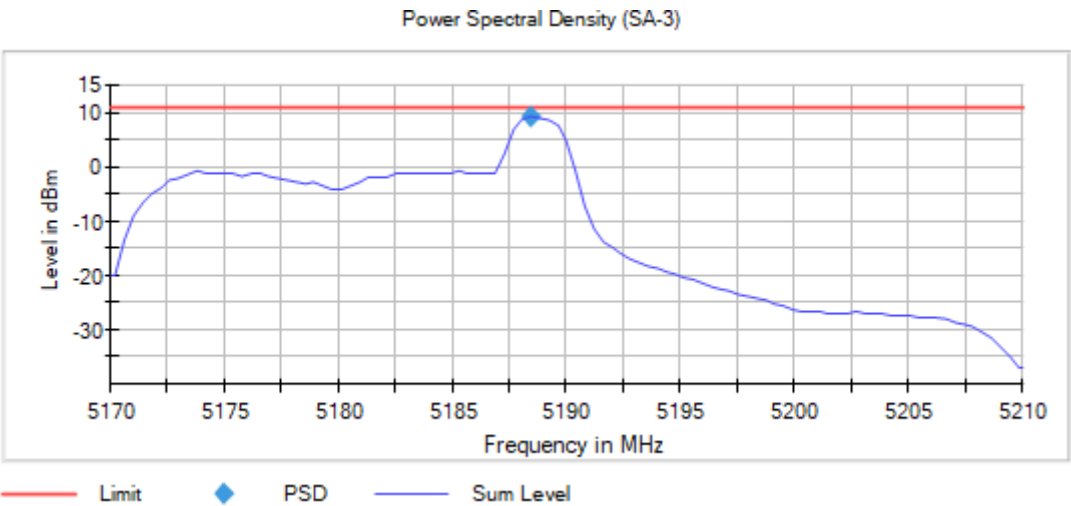
Verdict

Pass

Attachments

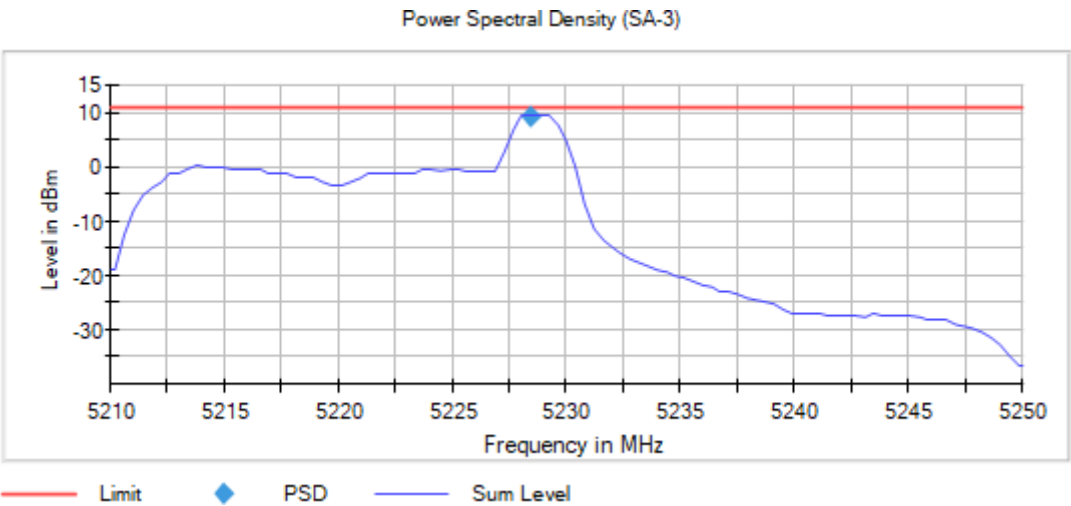
Frequency MHz = 5190.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



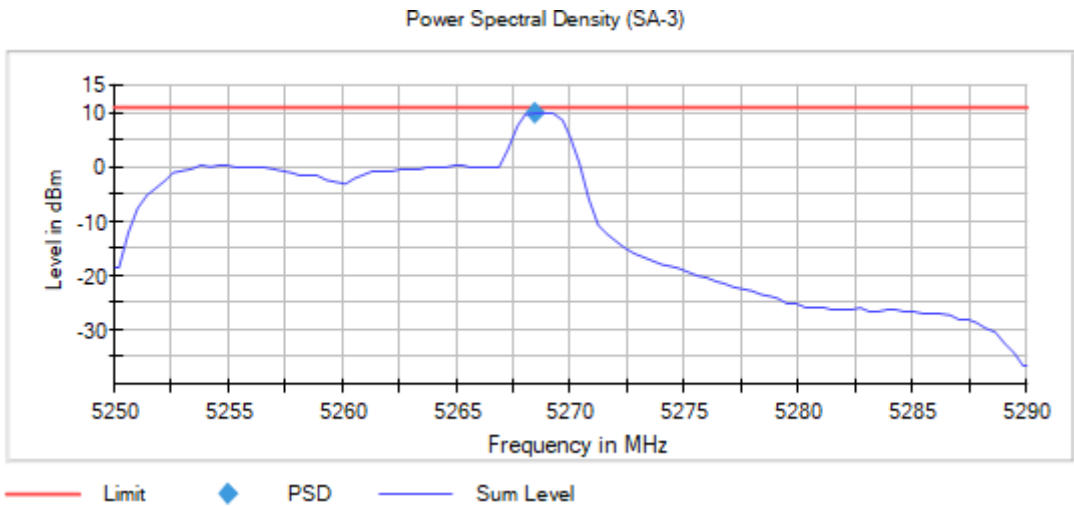
Frequency MHz = 5230.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



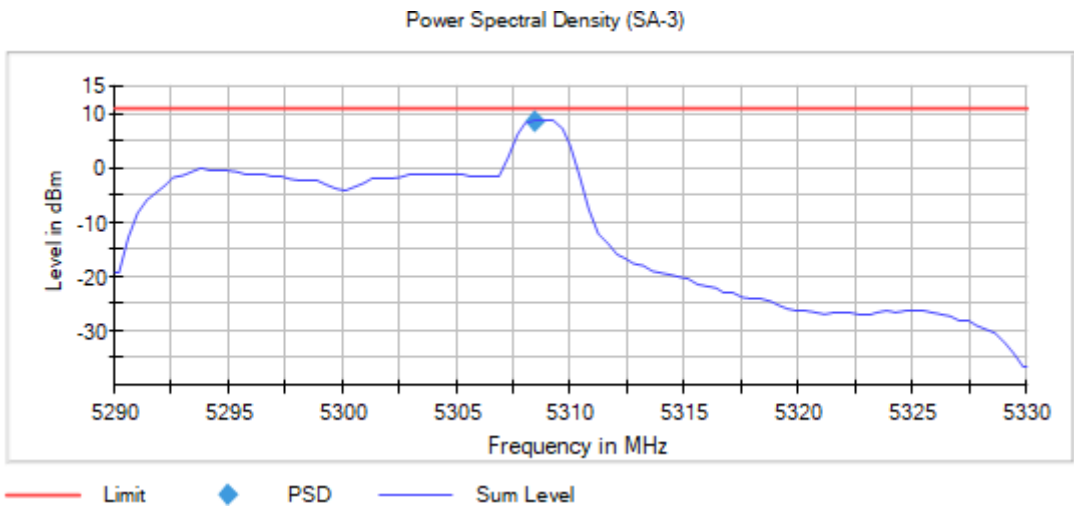
Frequency MHz = 5270.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



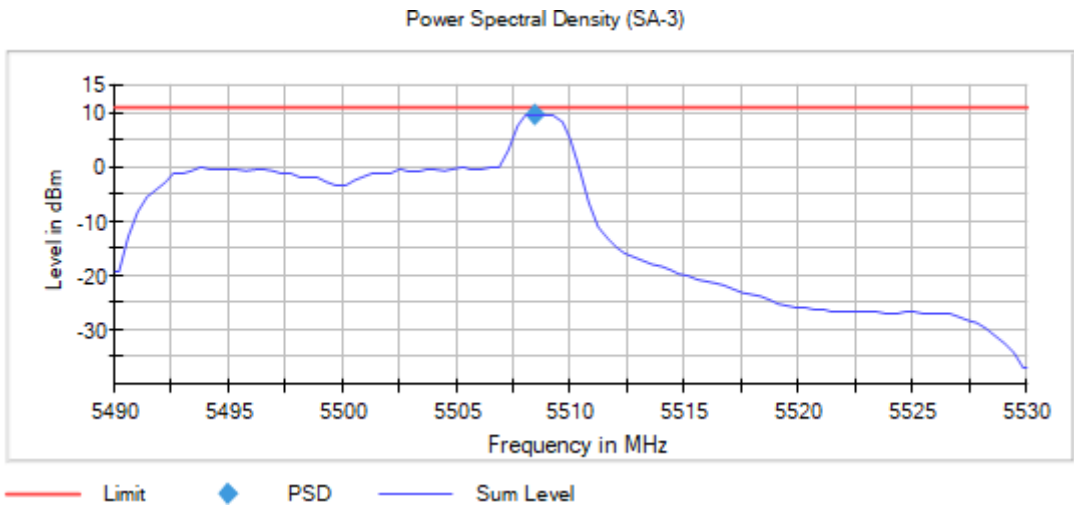
Frequency MHz = 5310.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



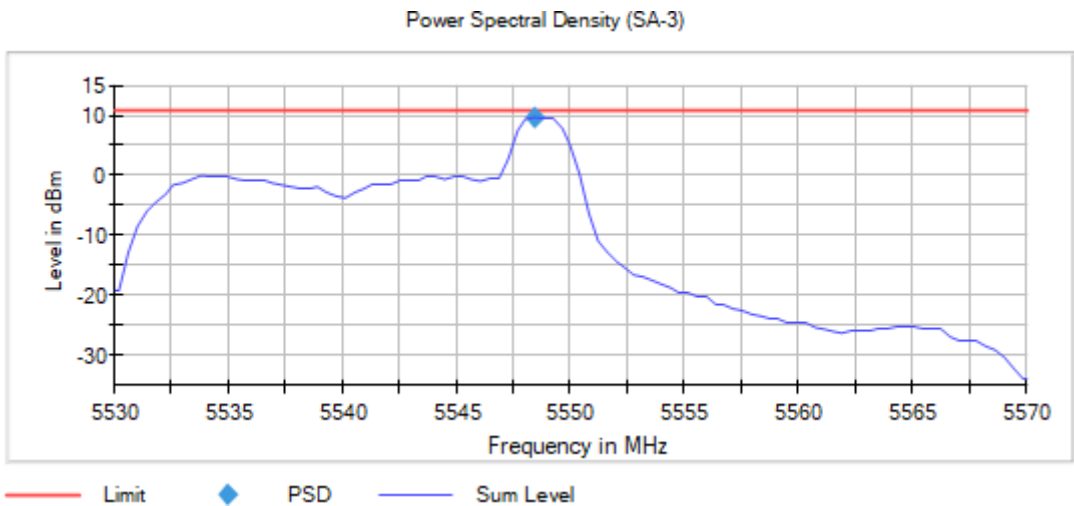
Frequency MHz = 5510.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



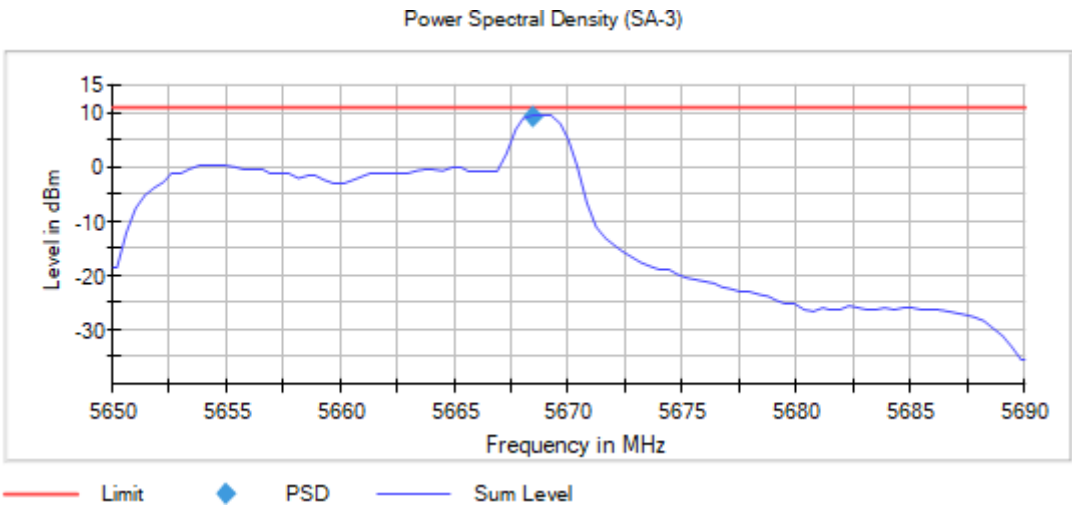
Frequency MHz = 5550.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



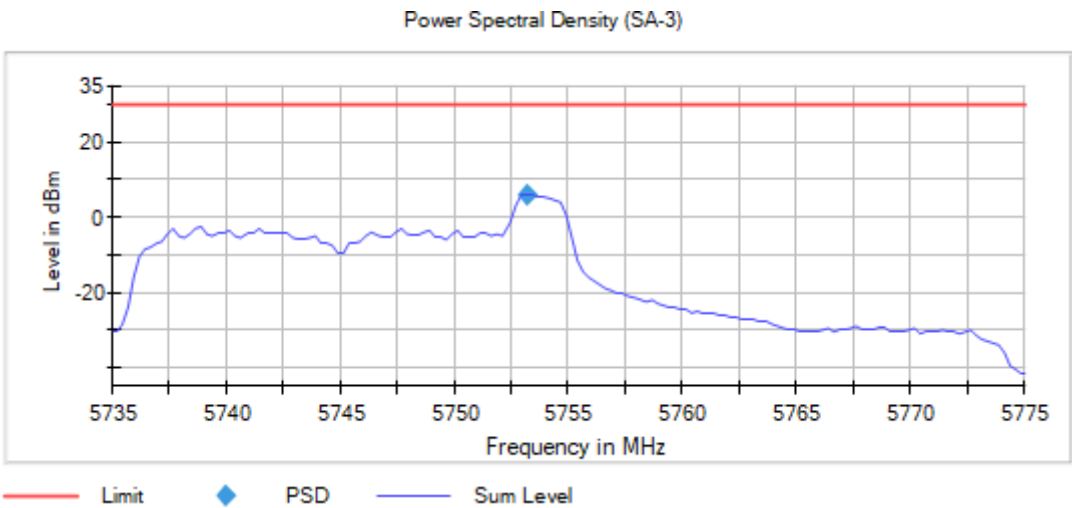
Frequency MHz = 5670.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



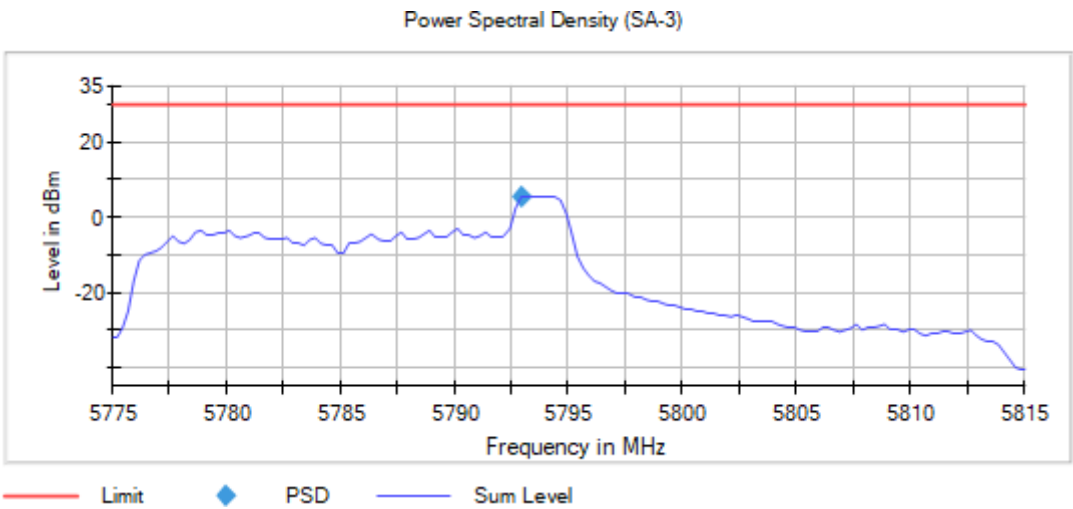
Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Pre-test ax mode RU index

Bandwidth: 80 MHz, Lowest Channel

Maximum declared antenna gain: -2.8 dBi

RU-Index	PSD (dBm)
0	4.5*
18	4.4
36	4.2
67	-5.9
196	-1.1

*: Worse case

$\Delta = \text{PSD}_{\text{par}} - \text{PSD}_{\text{full}} = 5.6$

Mode: MIMO CCD Mode 2x2

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

Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5210.00000	5228.750000	-5.85
5290.00000	5261.250000	-5.81
5530.00000	5555.250000	-5.92
5610.00000	5628.750000	-4.27
5610.00000	5628.750000	-4.18
5775.00000	5762.625000	-7.84

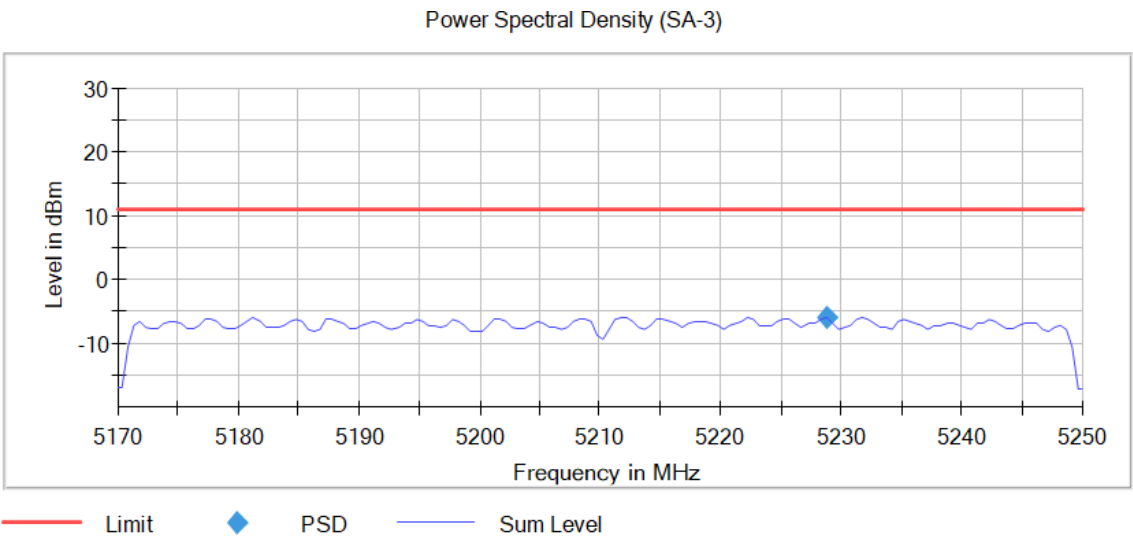
Verdict

Pass

Attachments

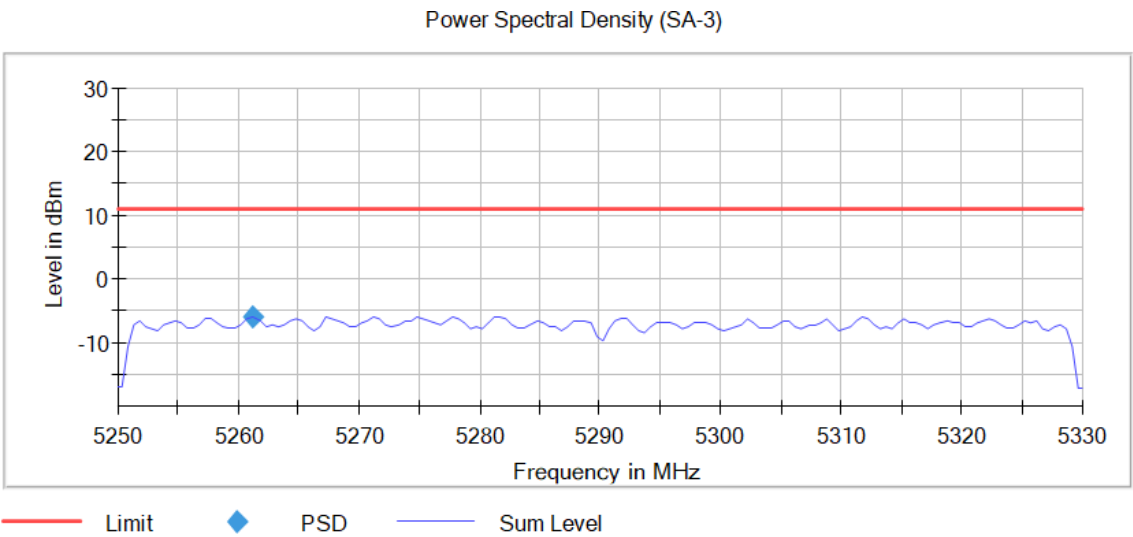
Frequency MHz = 5210.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



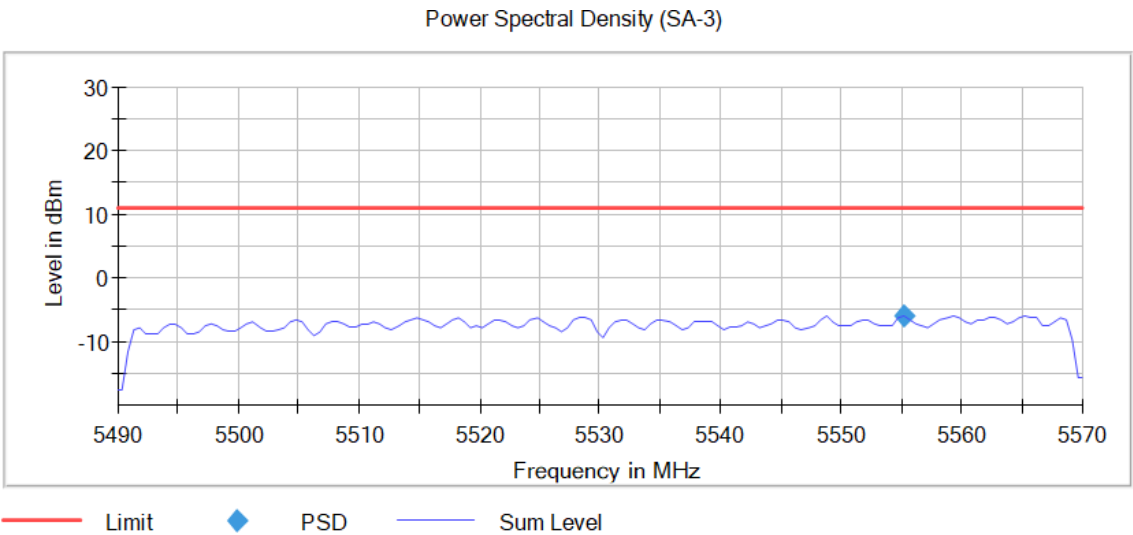
Frequency MHz = 5290.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



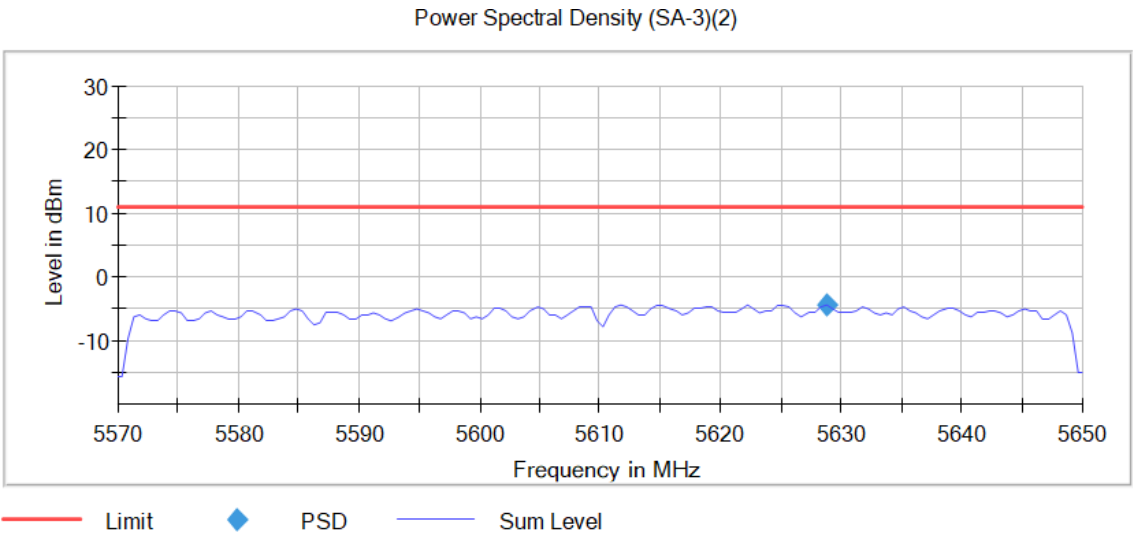
Frequency MHz = 5530.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



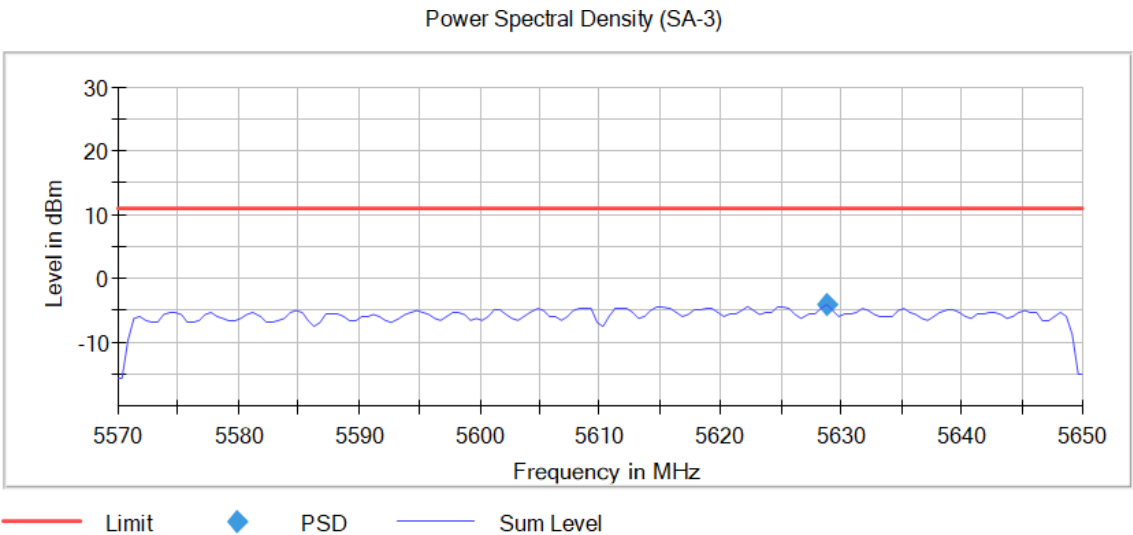
Frequency MHz = 5610.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



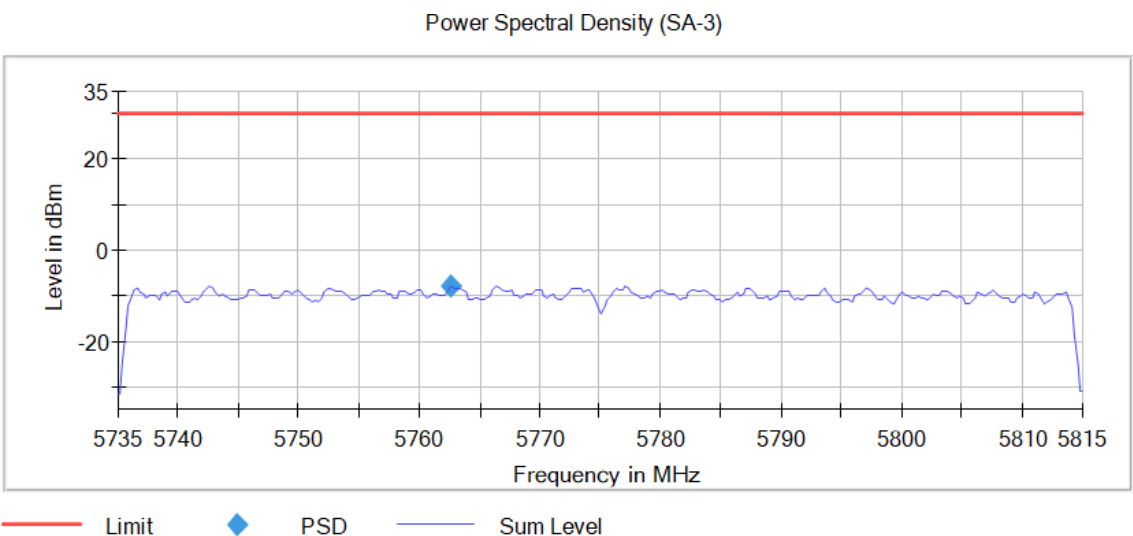
Frequency MHz = 5610.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
TPC = No Mode = MIMO CCD Mode 2x2
Number of Transmission Chains = 2

Images:



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

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5210.00000	5177.750000	3.37
5290.00000	5257.750000	4.51
5530.00000	5497.750000	4.04
5610.00000	5574.750000	5.84
5775.00000	5736.875000	1.90

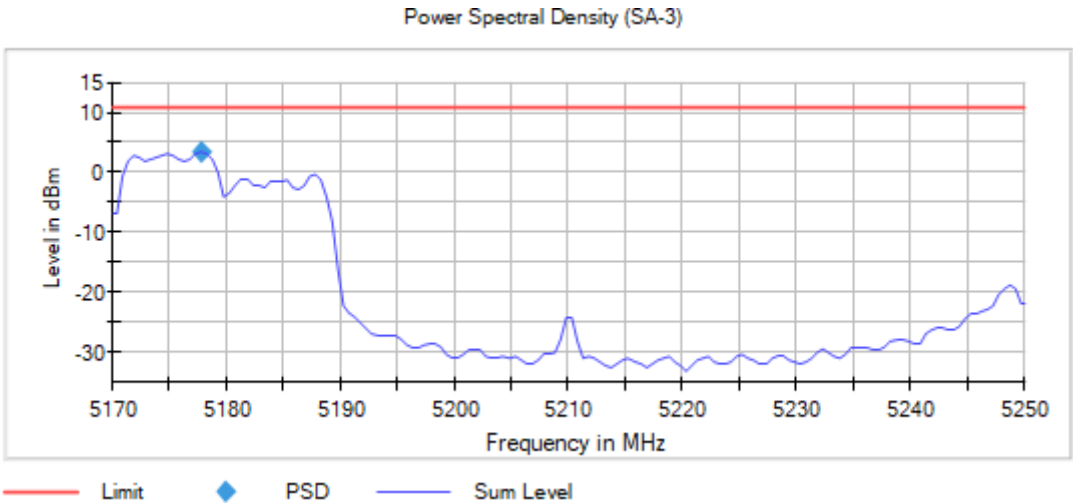
Verdict

Pass

Attachments

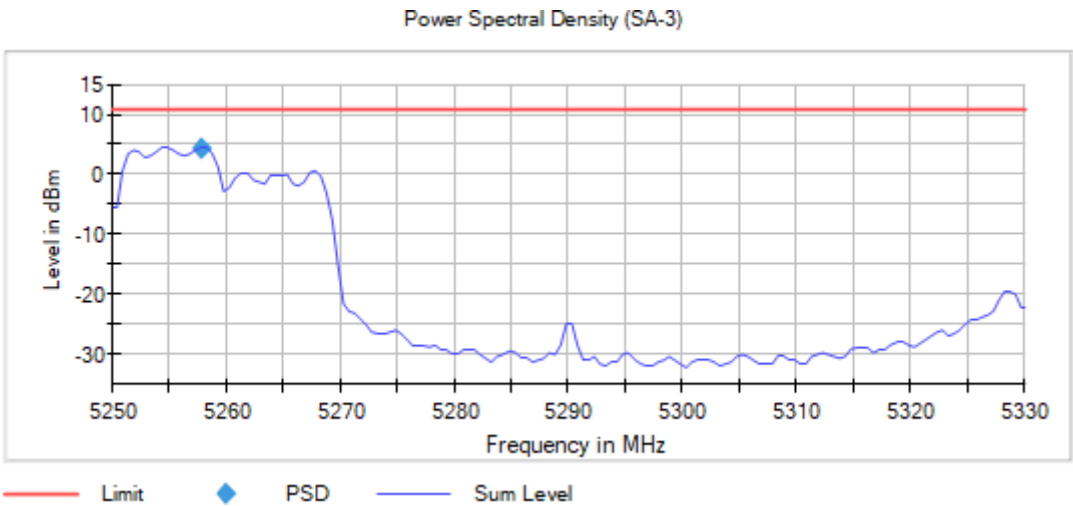
Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



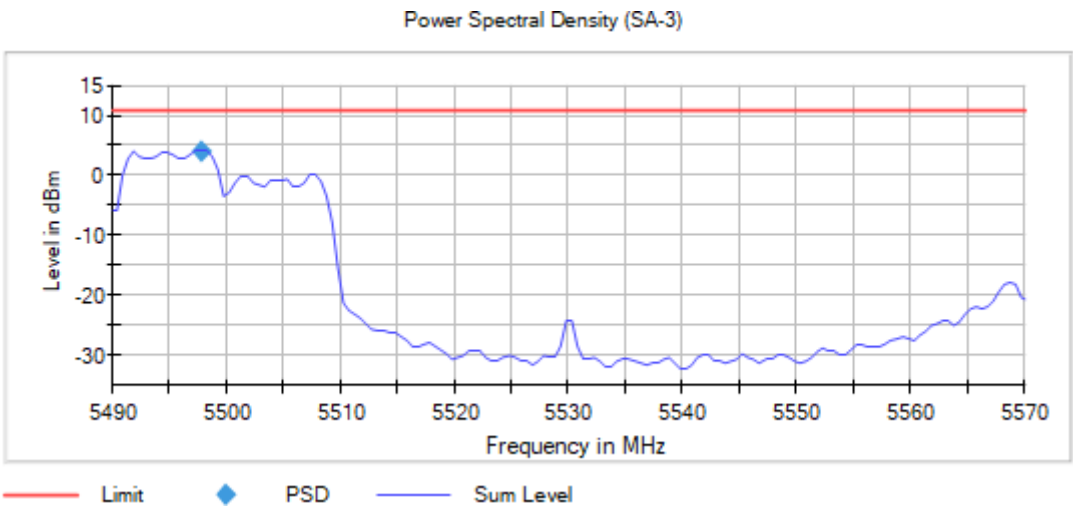
Frequency MHz = 5290.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



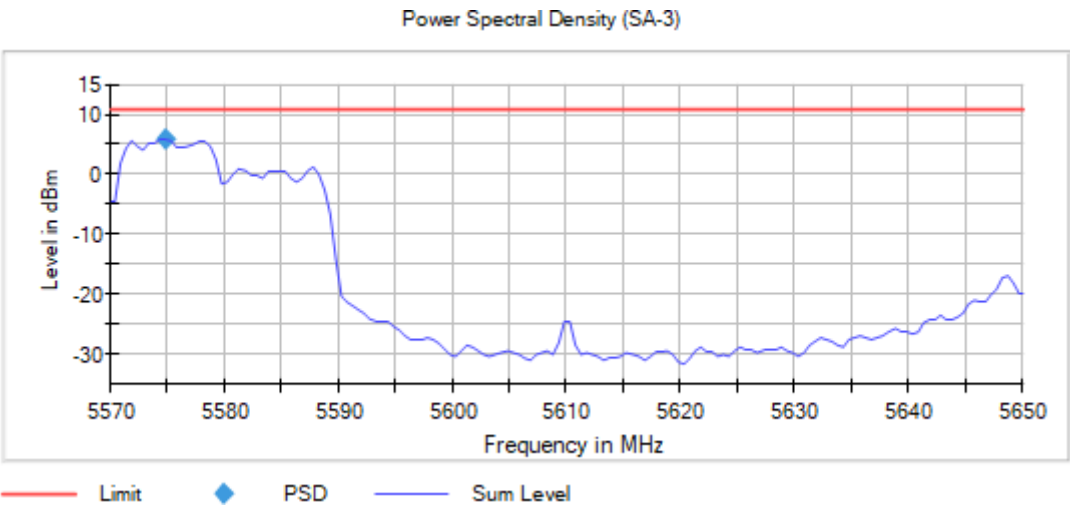
Frequency MHz = 5530.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



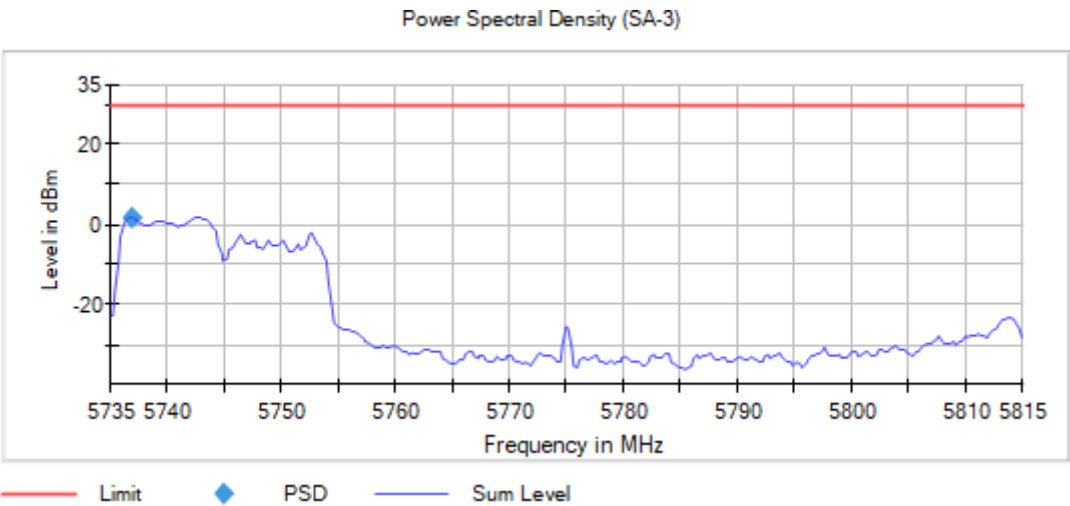
Frequency MHz = 5610.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11ac VHT20 SS1 (OFDM MCS8) Beam forming
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5180.00000	5172.277228	0.07
5200.00000	5202.574257	-1.67
5240.00000	5237.425743	-1.31
5260.00000	5262.574257	-2.41
5280.00000	5282.574257	-2.07
5320.00000	5323.564356	-2.35
5500.00000	5507.524752	-4.62
5580.00000	5576.633663	-2.33
5700.00000	5701.980198	-4.26
5745.00000	5747.574257	-6.43
5785.00000	5782.623762	-5.82
5825.00000	5832.524752	-6.84

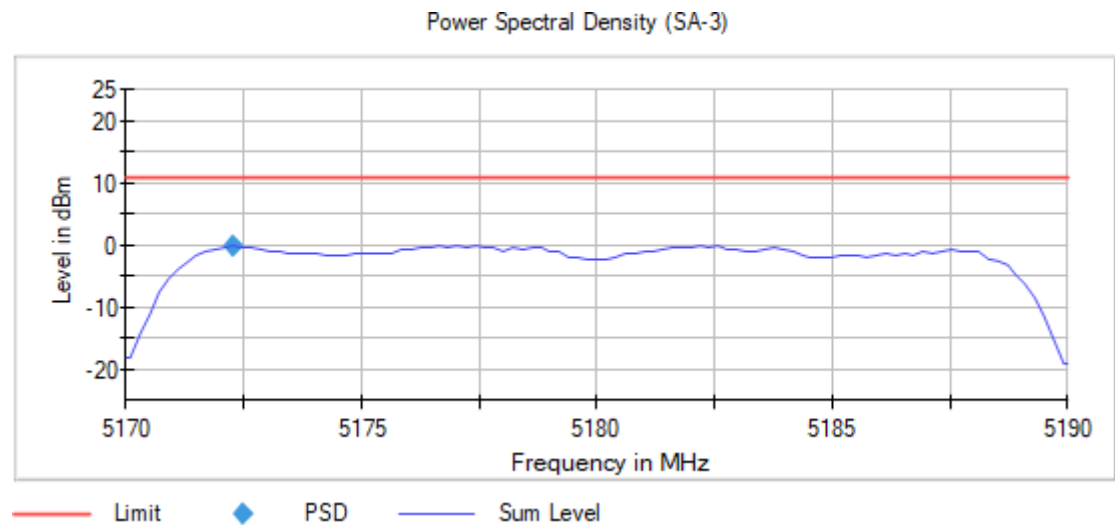
Verdict

Pass

Attachments

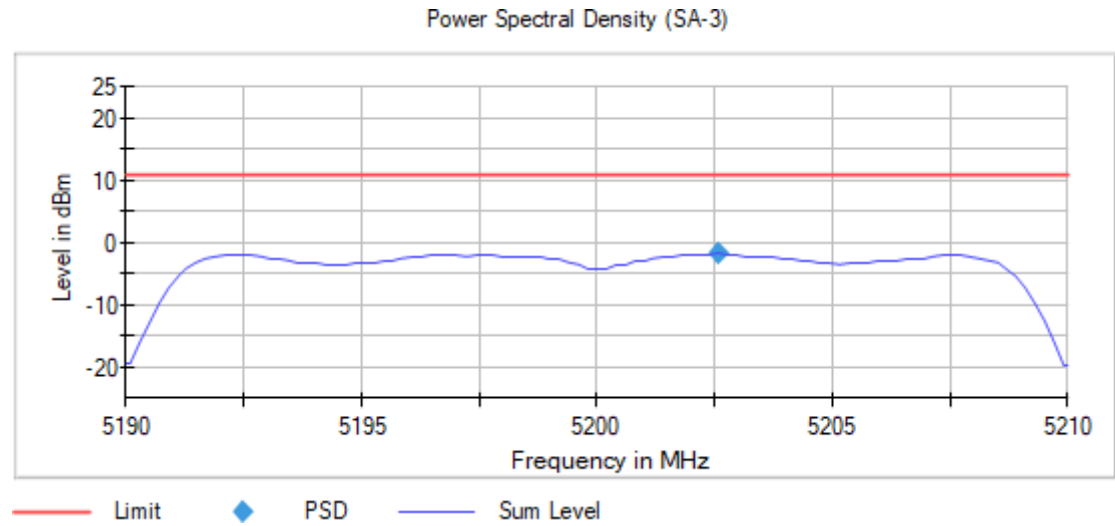
Frequency MHz = 5180.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



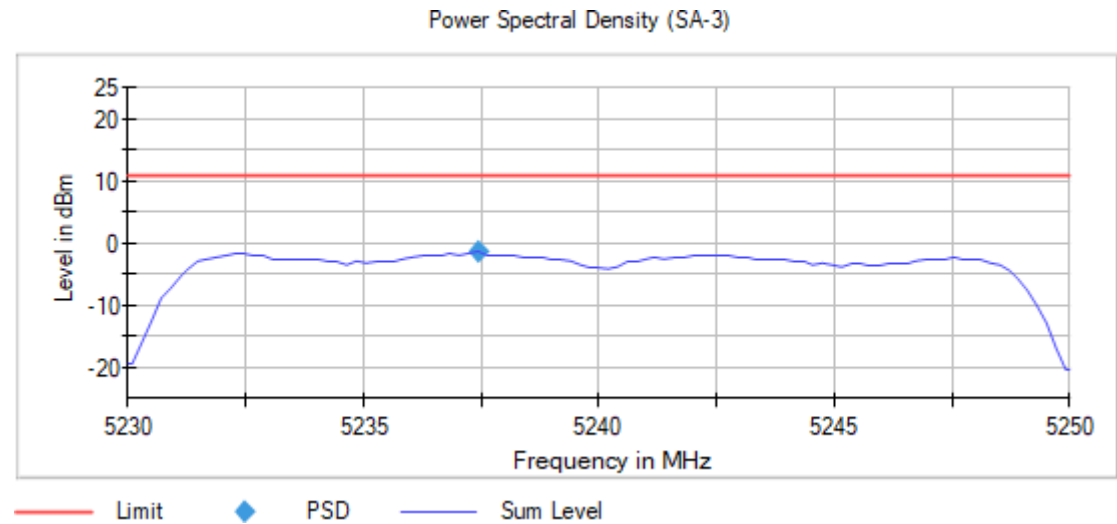
Frequency MHz = 5200.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



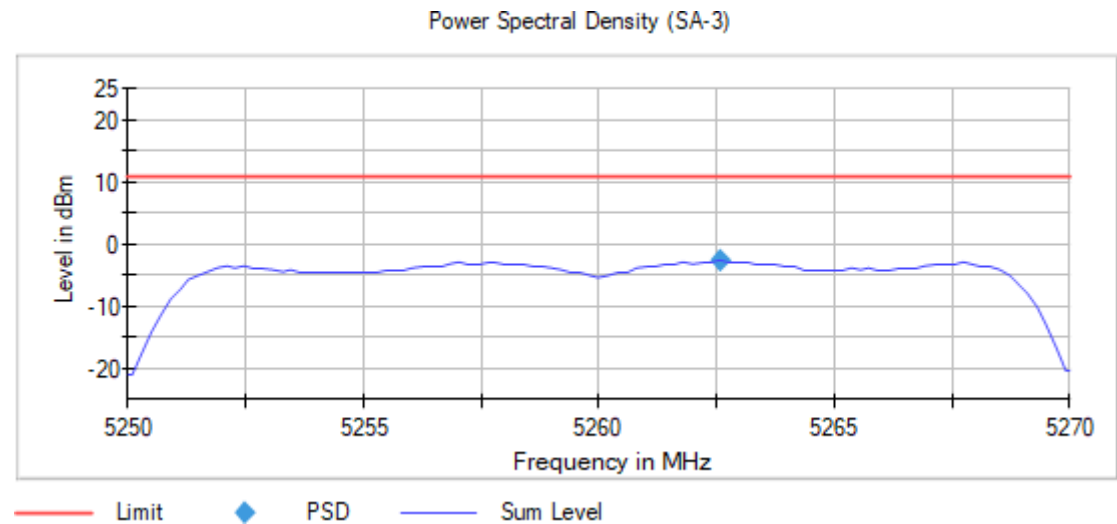
Frequency MHz = 5240.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



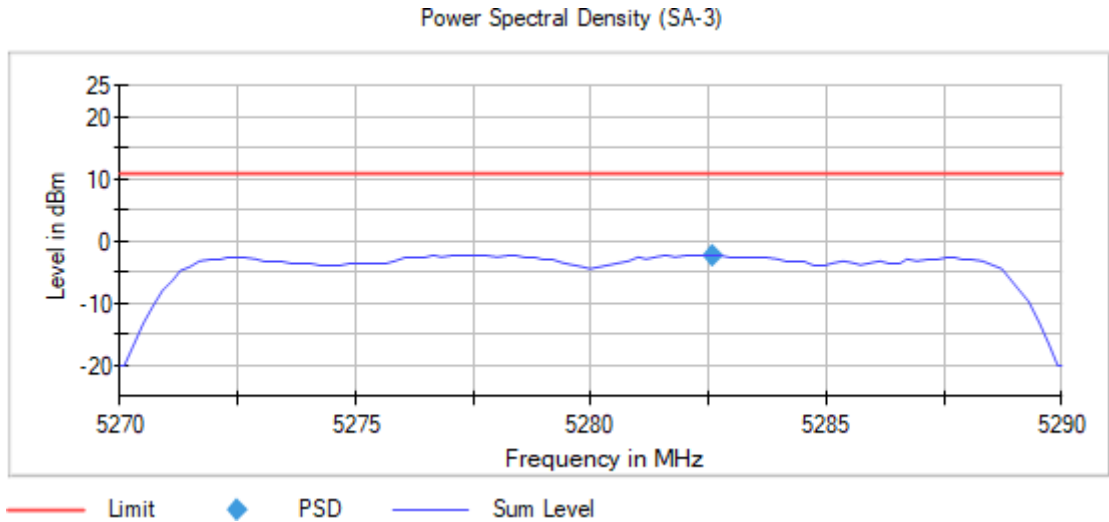
Frequency MHz = 5260.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



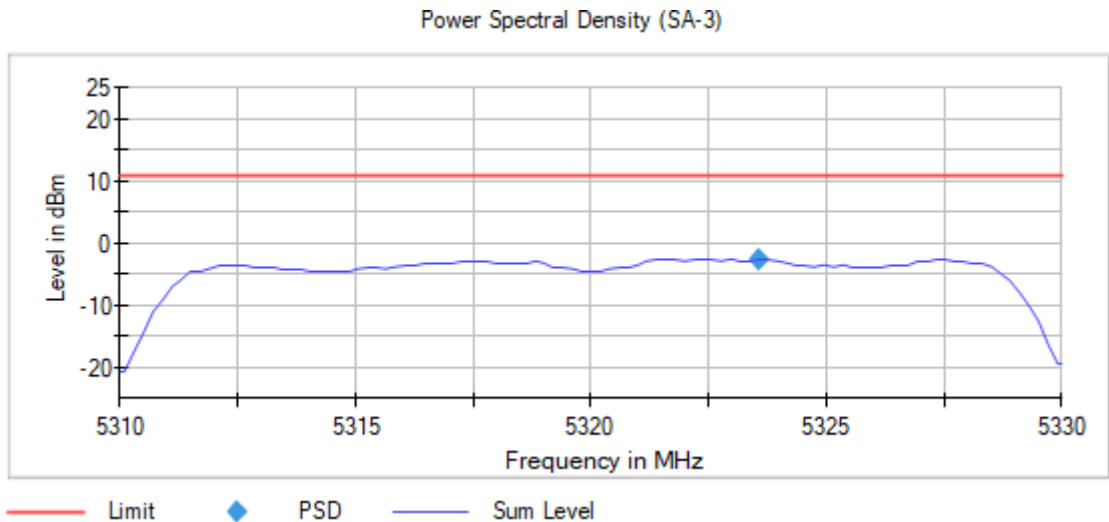
Frequency MHz = 5280.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



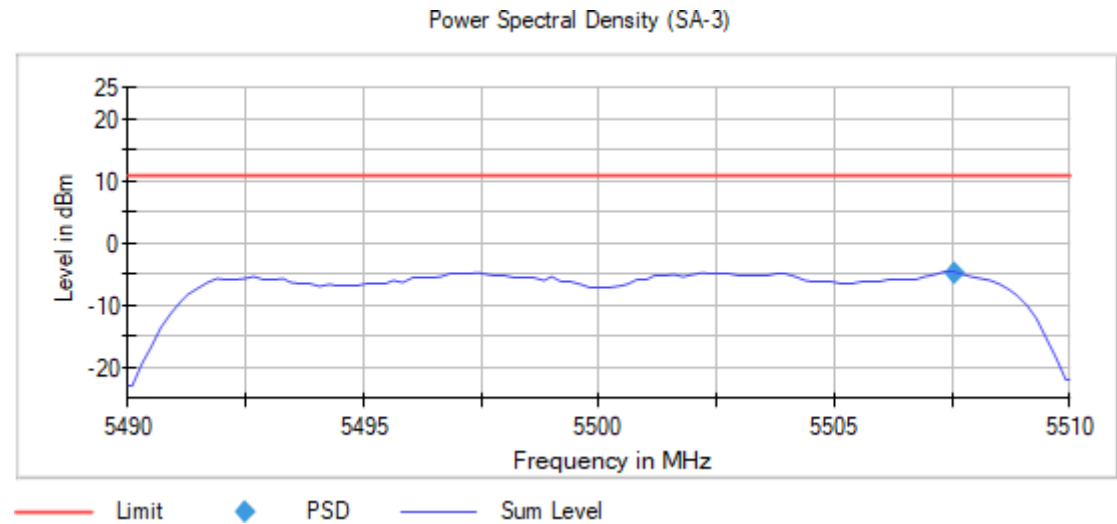
Frequency MHz = 5320.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



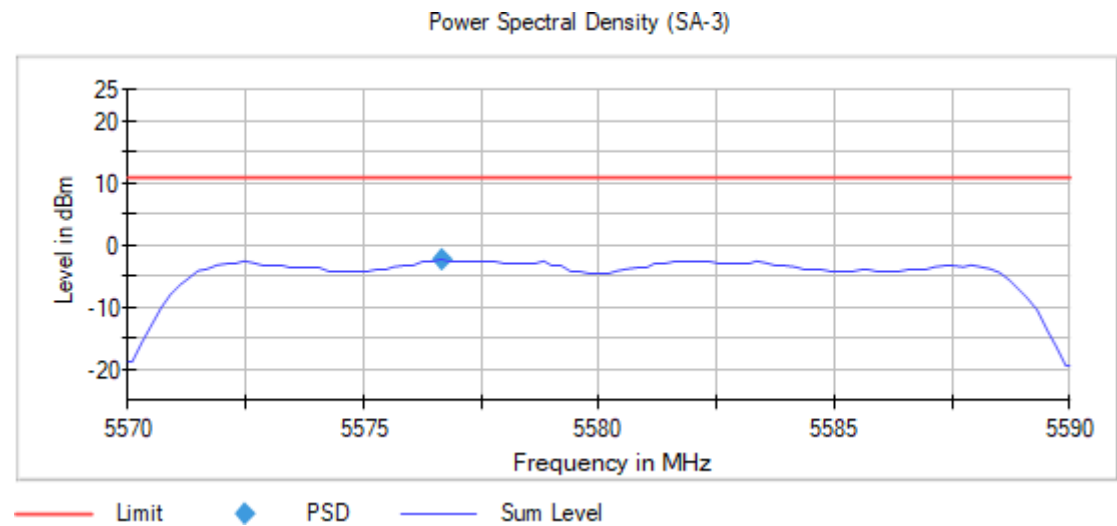
Frequency MHz = 5500.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



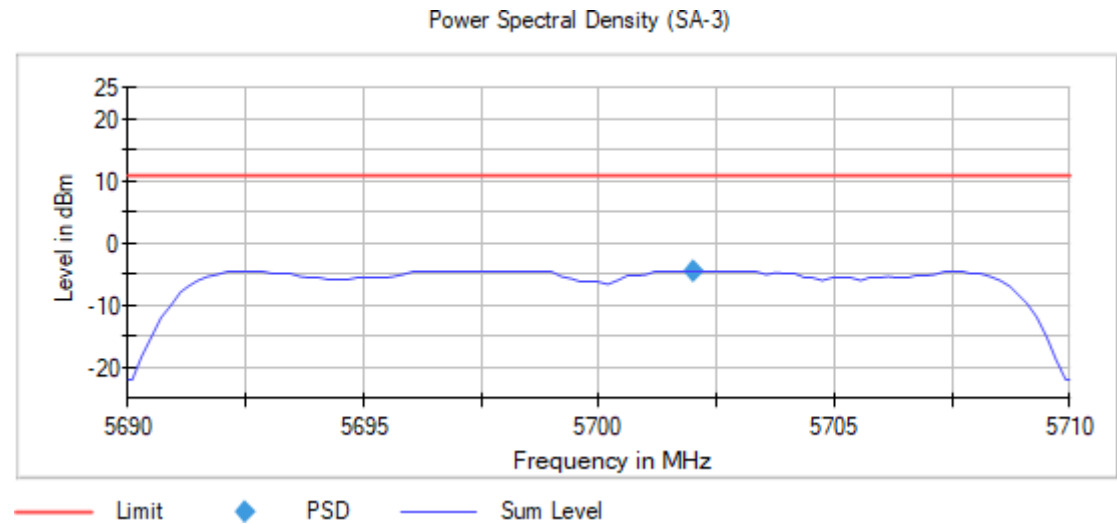
Frequency MHz = 5580.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



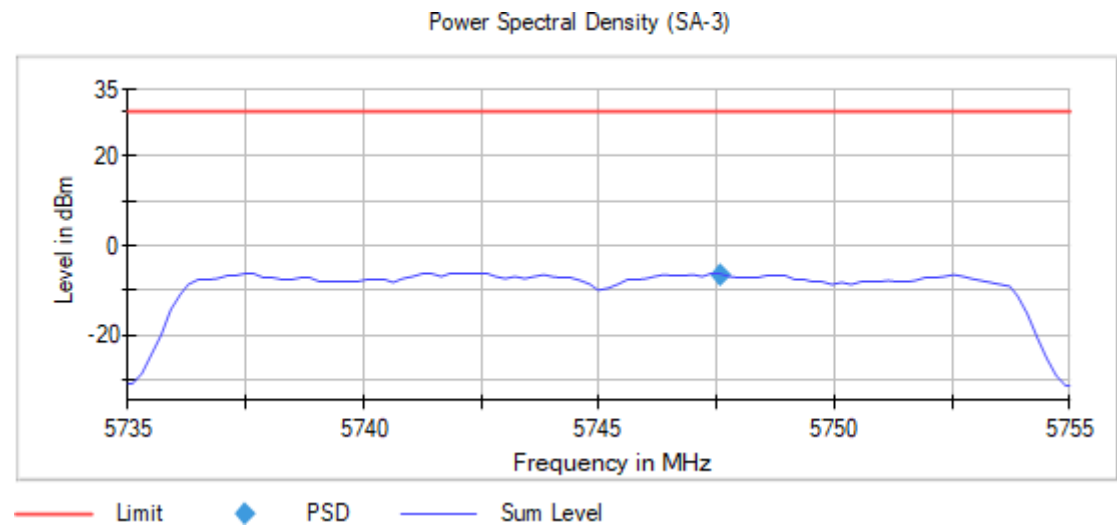
Frequency MHz = 5700.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



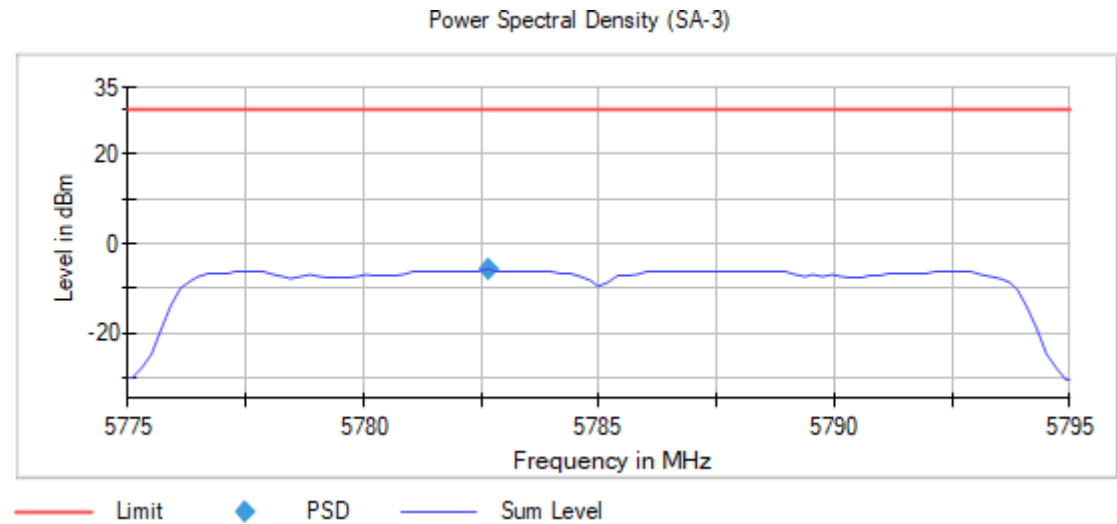
Frequency MHz = 5745.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



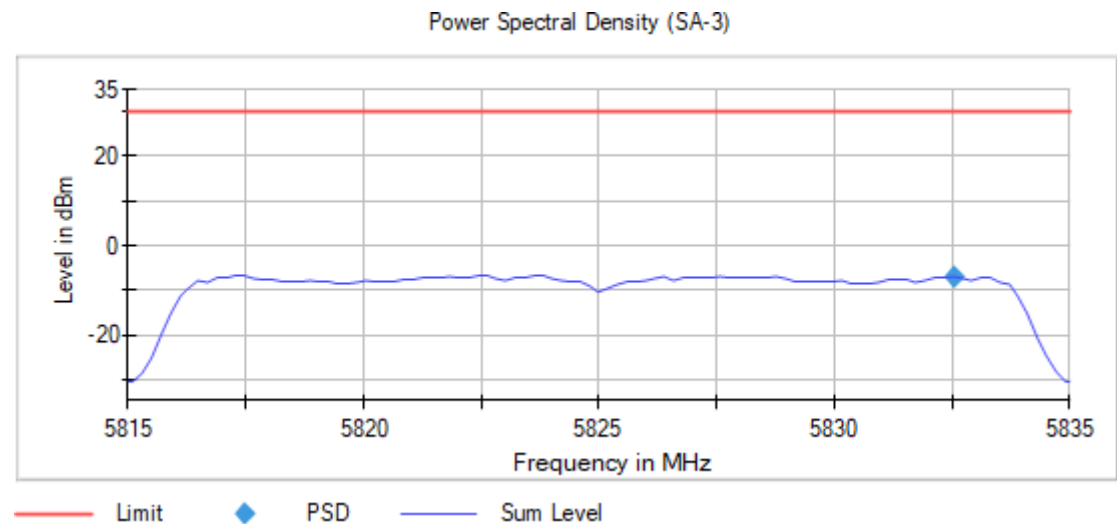
Frequency MHz = 5785.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ac VHT40 SS1 (OFDM MCS9) Beam forming
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5190.00000	5182.475248	-3.38
5230.00000	5238.316832	-2.81
5270.00000	5267.623762	-2.54
5310.00000	5312.772277	-4.92
5510.00000	5503.267327	-8.13
5550.00000	5554.752475	-5.00
5670.00000	5667.623762	-5.63
5755.00000	5737.625000	-5.95
5795.00000	5792.375000	-4.59

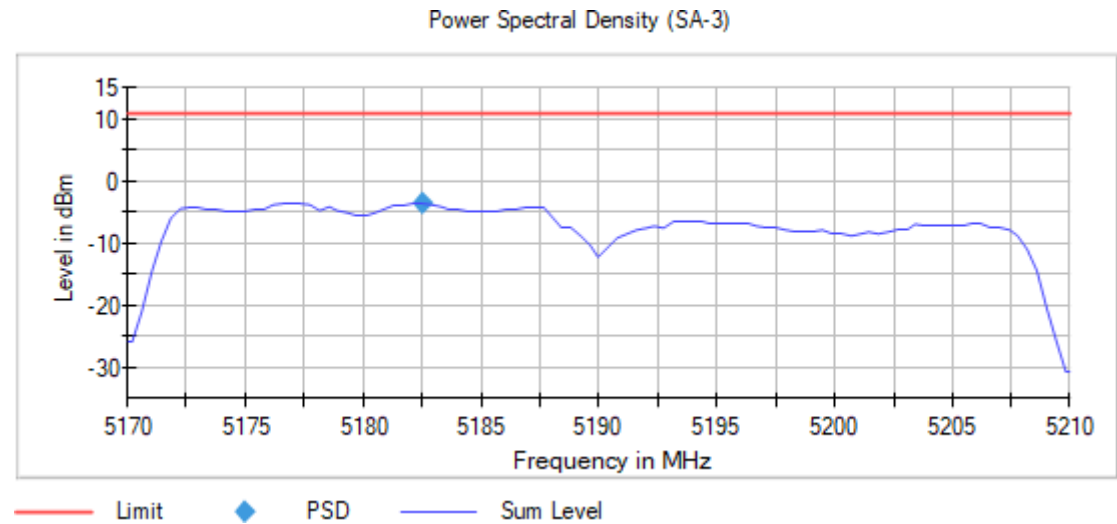
Verdict

Pass

Attachments

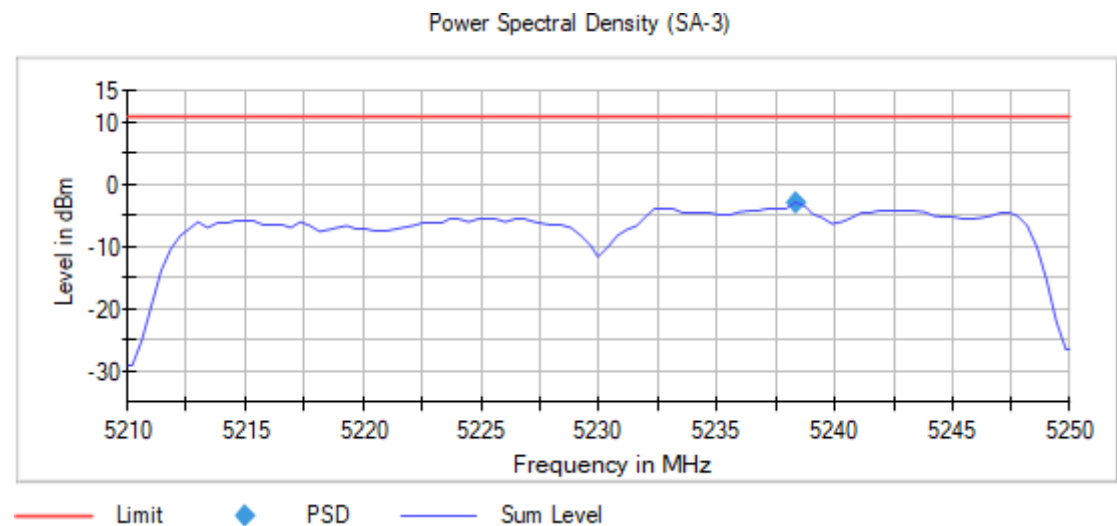
Frequency MHz = 5190.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



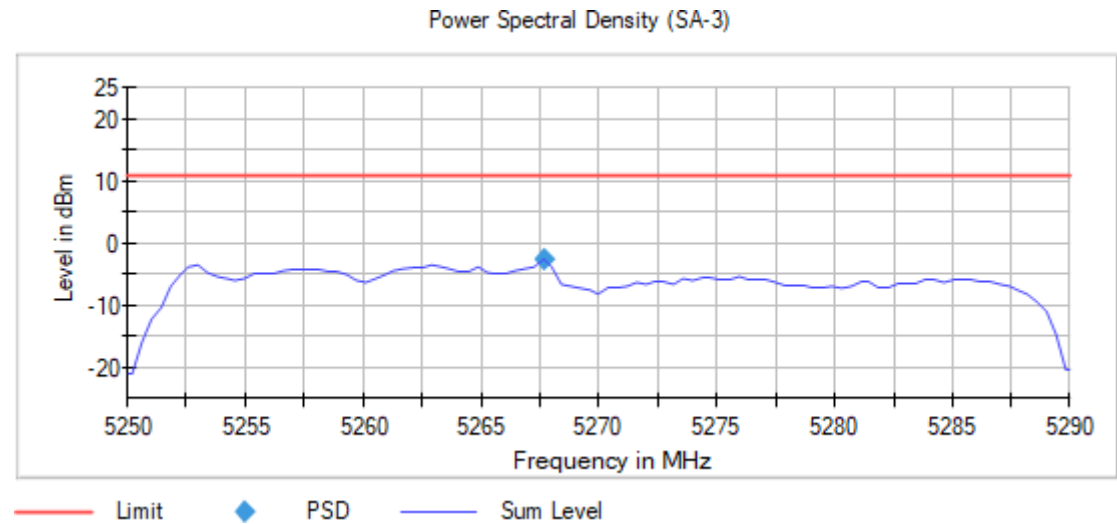
Frequency MHz = 5230.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



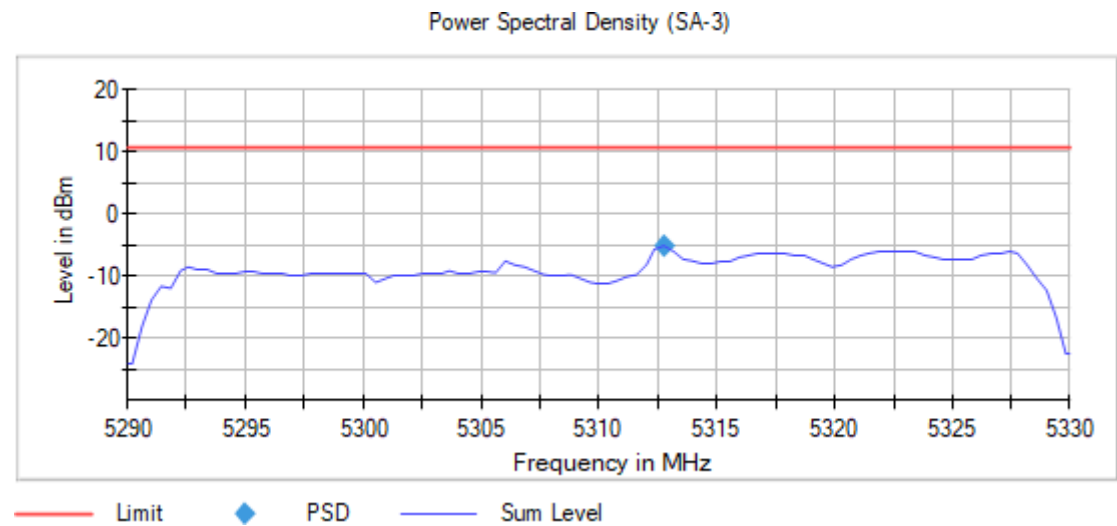
Frequency MHz = 5270.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



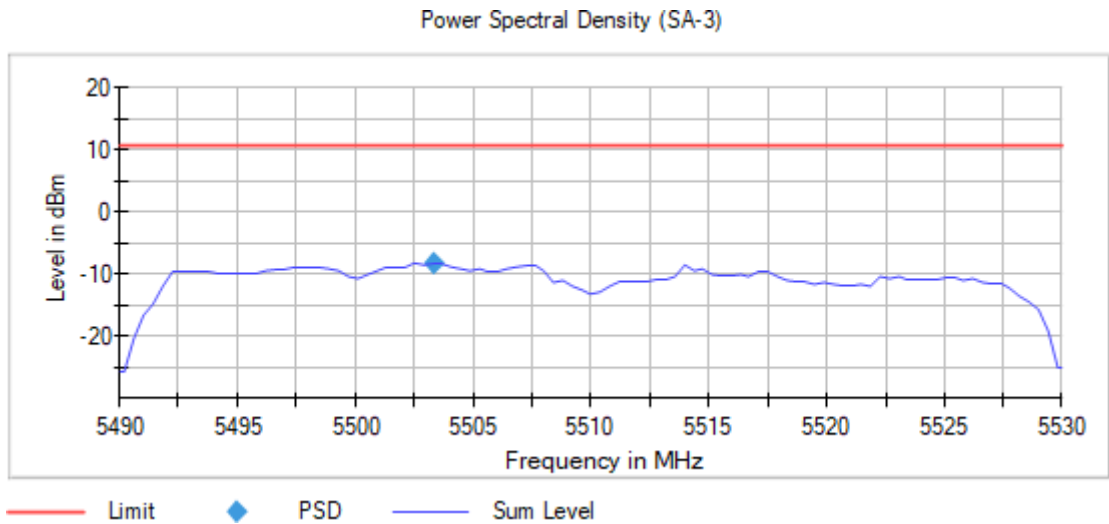
Frequency MHz = 5310.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



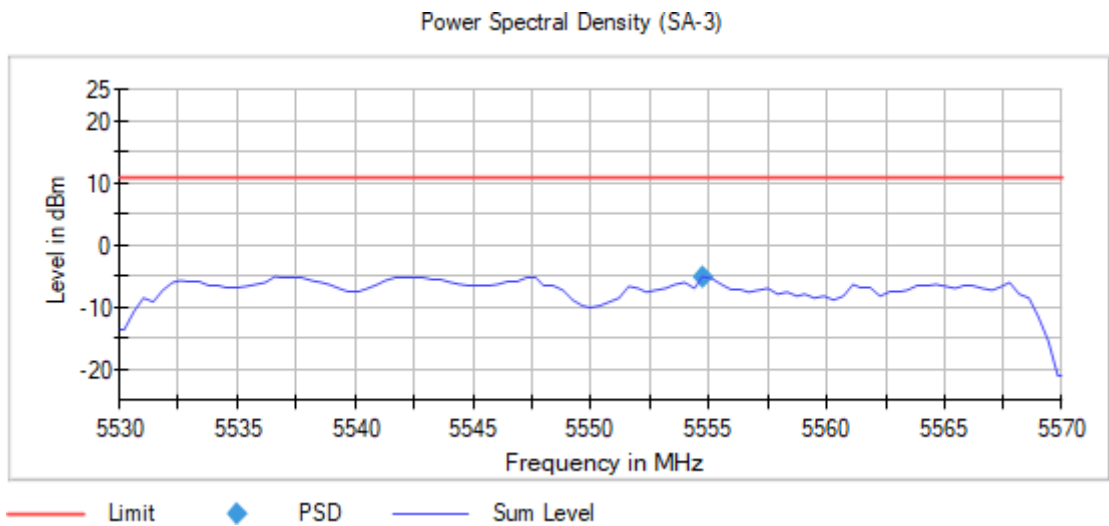
Frequency MHz = 5510.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



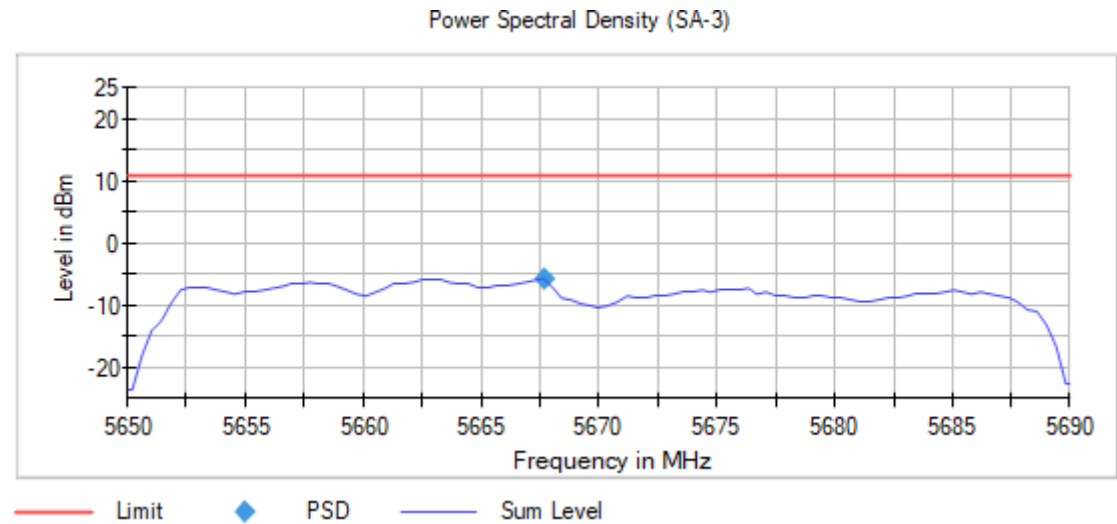
Frequency MHz = 5550.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



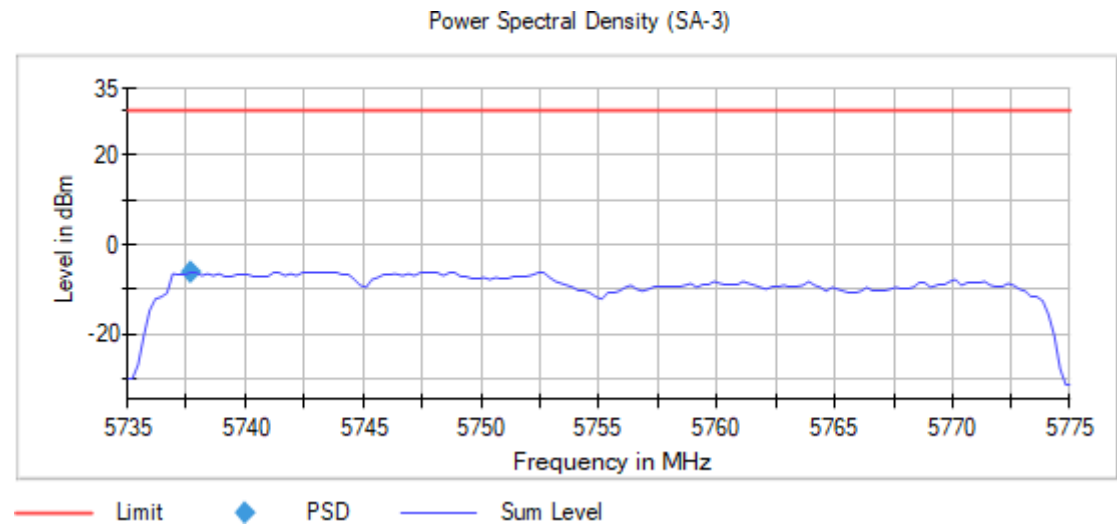
Frequency MHz = 5670.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



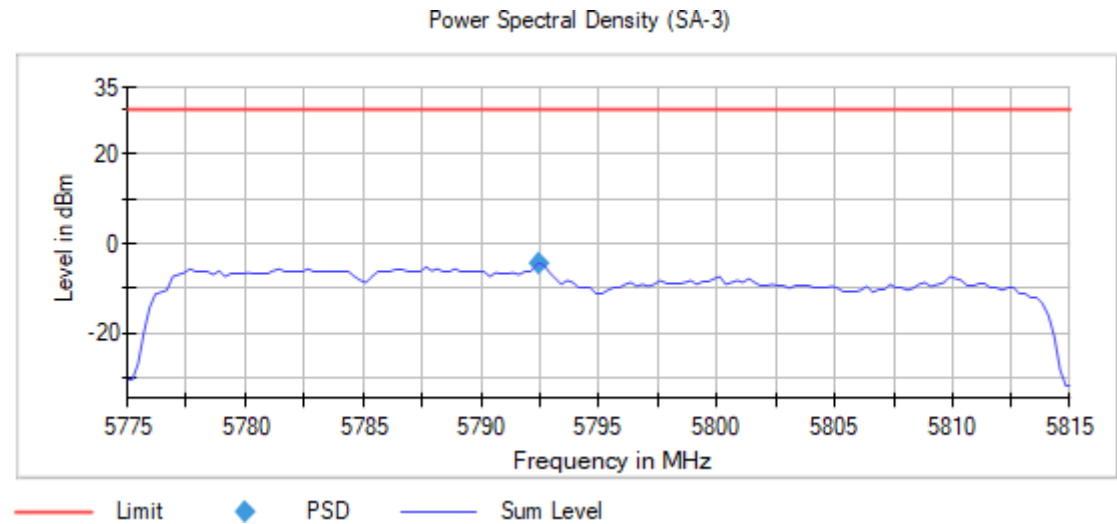
Frequency MHz = 5755.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ac VHT80 SS1 (OFDM MCS9) Beam forming
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5210.00000	5181.750000	-1.34
5290.00000	5282.250000	-6.79
5530.00000	5507.250000	-8.48
5610.00000	5577.750000	-4.01
5775.00000	5797.625000	-3.50
5775.00000	5797.625000	-3.15

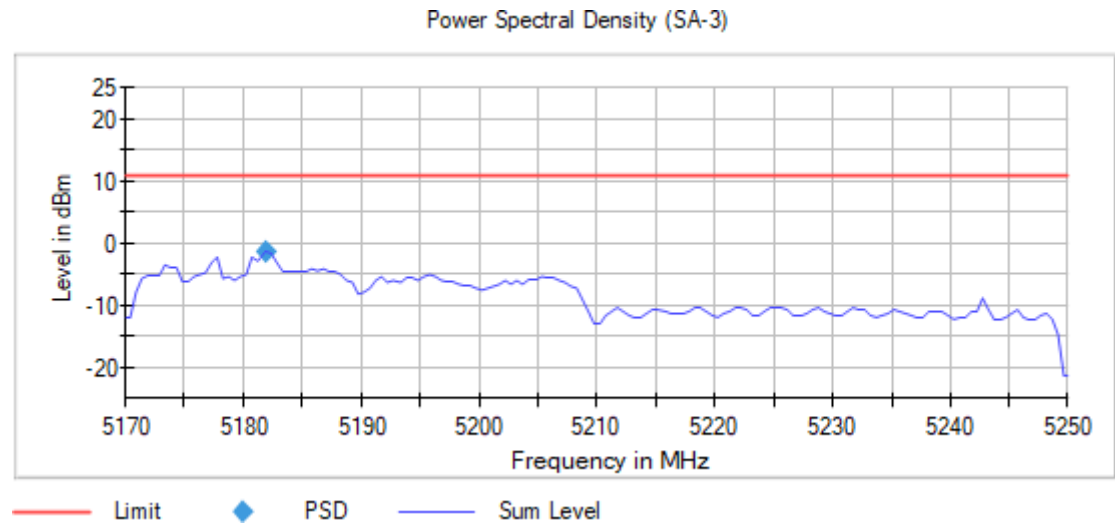
Verdict

Pass

Attachments

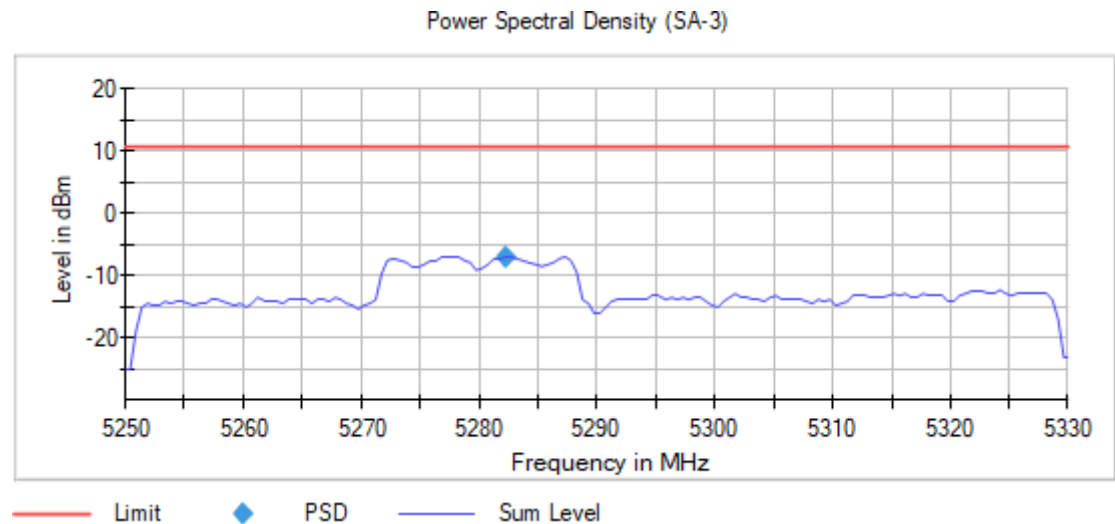
Frequency MHz = 5210.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



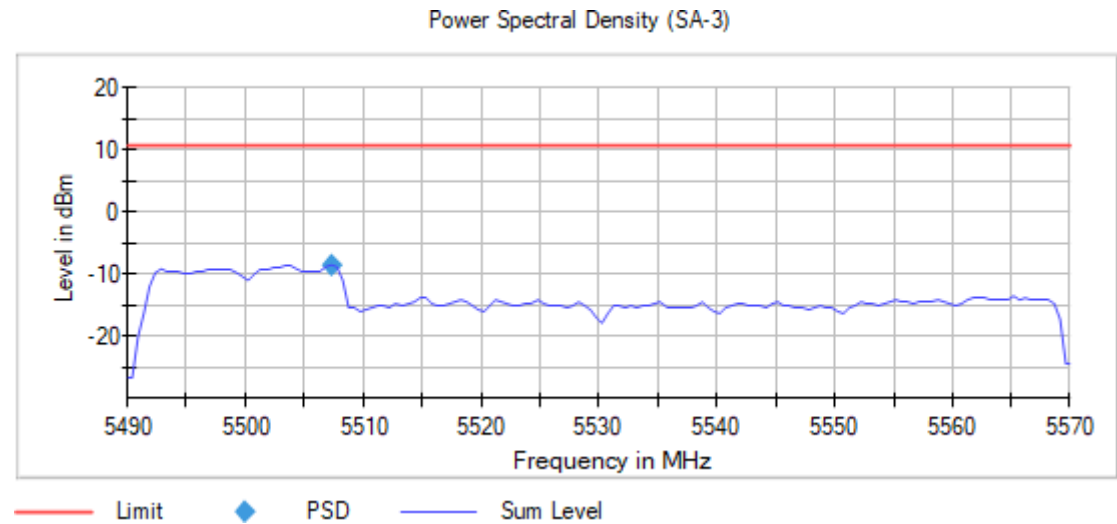
Frequency MHz = 5290.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



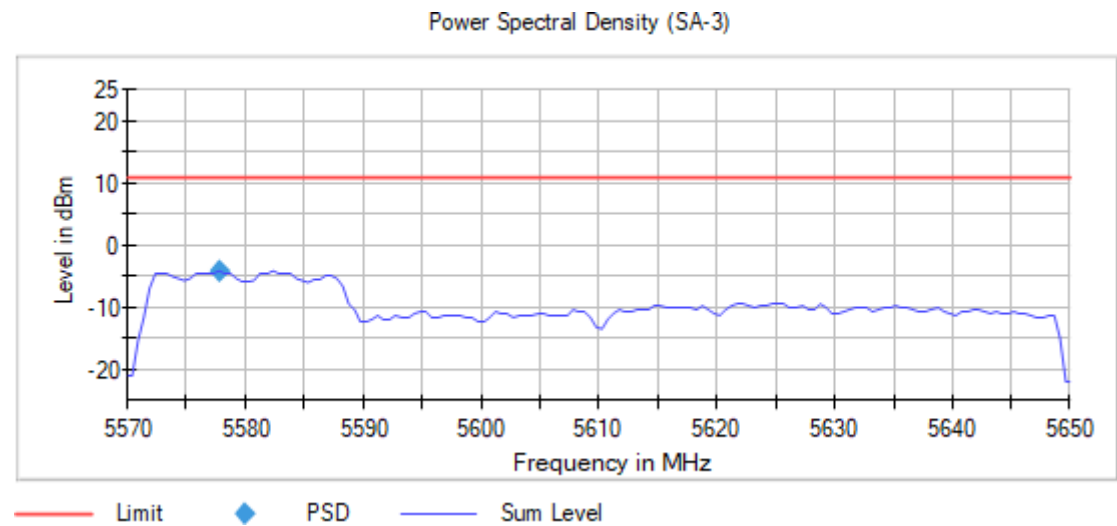
Frequency MHz = 5530.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



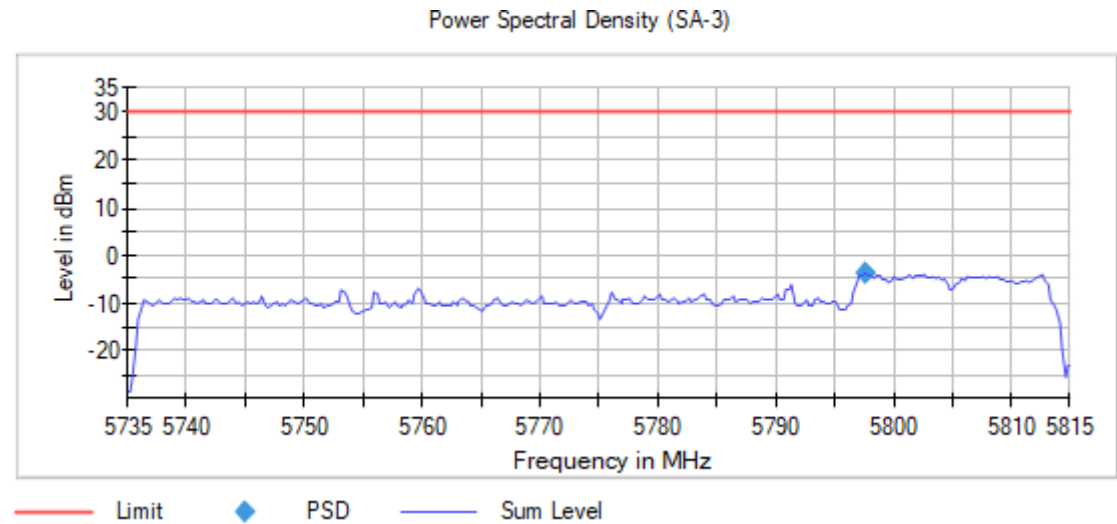
Frequency MHz = 5610.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



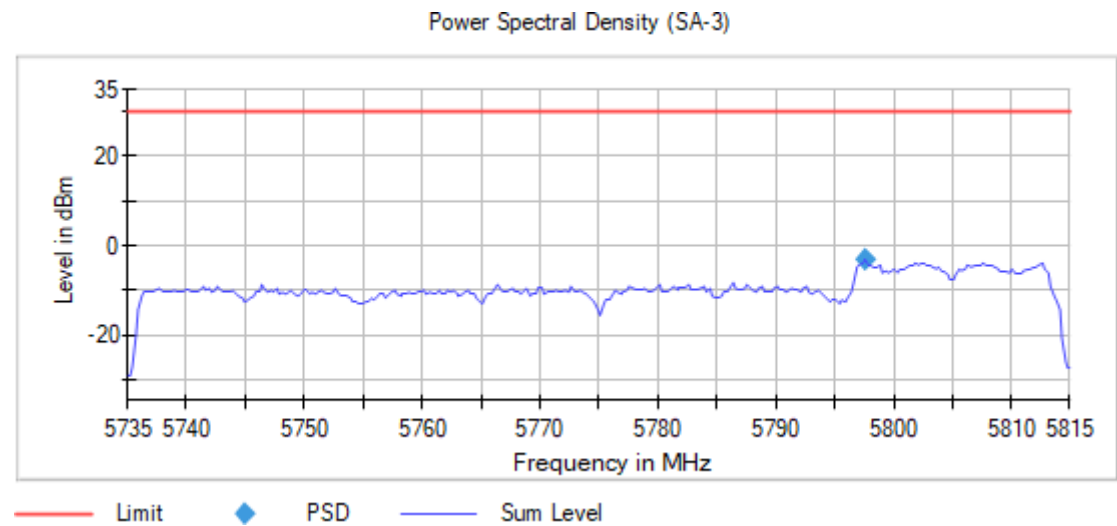
Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ax HE SS1 MCS 8 (OFDM MCS8) Beam forming
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5180.00000	5177.425743	0.72
5200.00000	5202.376238	0.07
5240.00000	5237.425743	0.66
5260.00000	5267.920792	-1.71
5280.00000	5277.425743	-0.83
5320.00000	5322.376238	-0.53
5500.00000	5507.326733	-3.18
5580.00000	5577.425743	-1.38
5700.00000	5697.425743	-2.59
5745.00000	5737.475248	-5.02
5785.00000	5787.574257	-4.75
5825.00000	5832.524752	-2.24

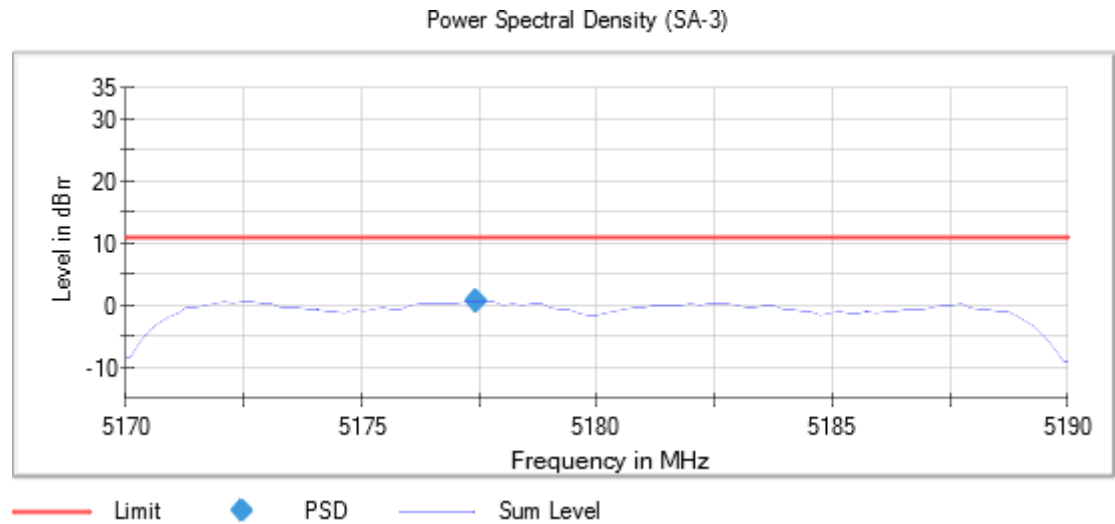
Verdict

Pass

Attachments

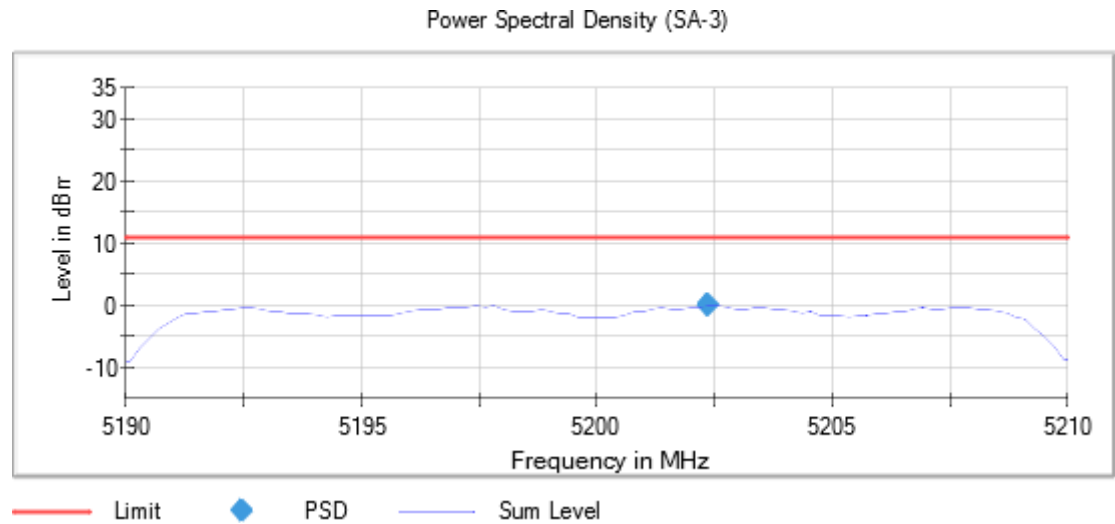
Frequency MHz = 5180.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



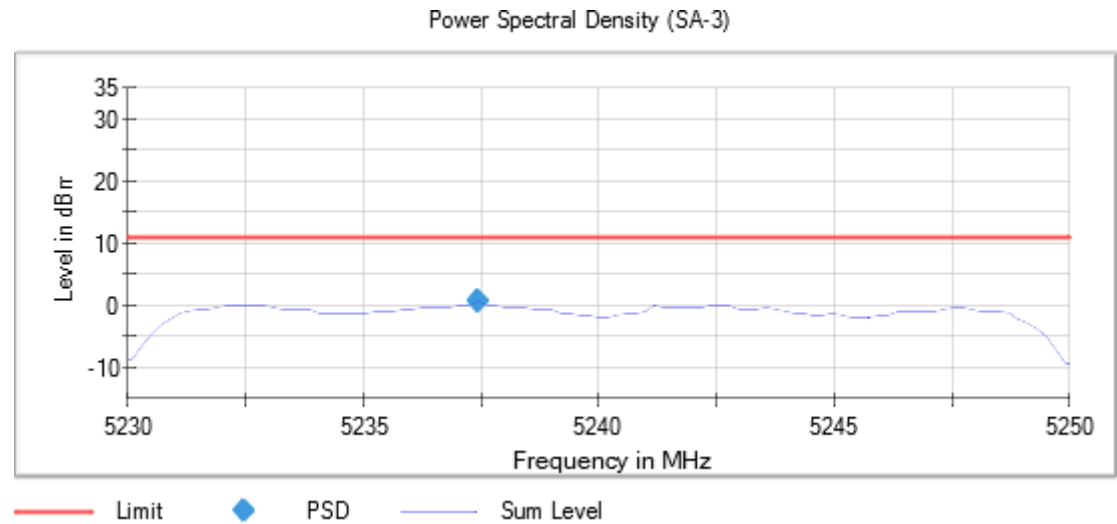
Frequency MHz = 5200.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



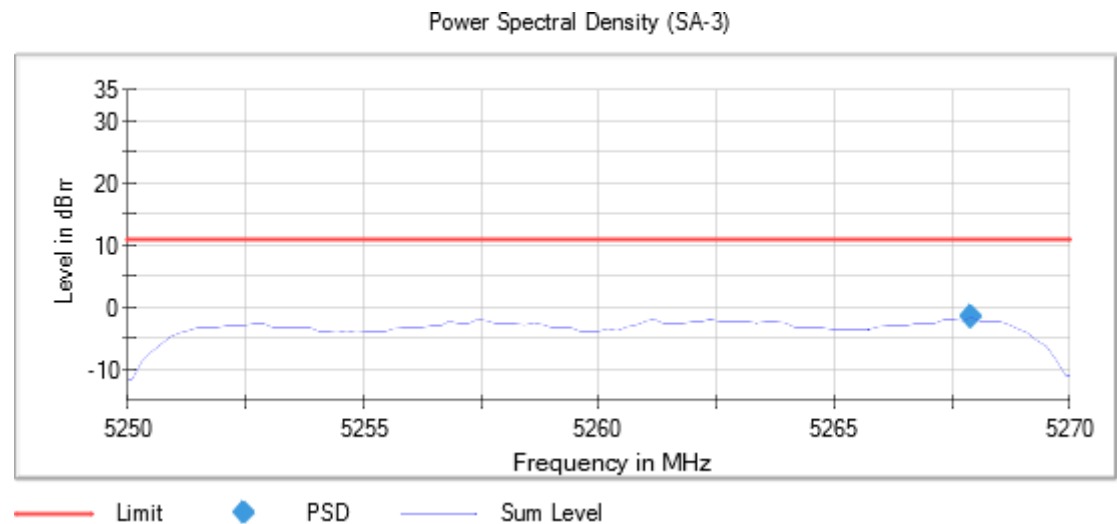
Frequency MHz = 5240.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



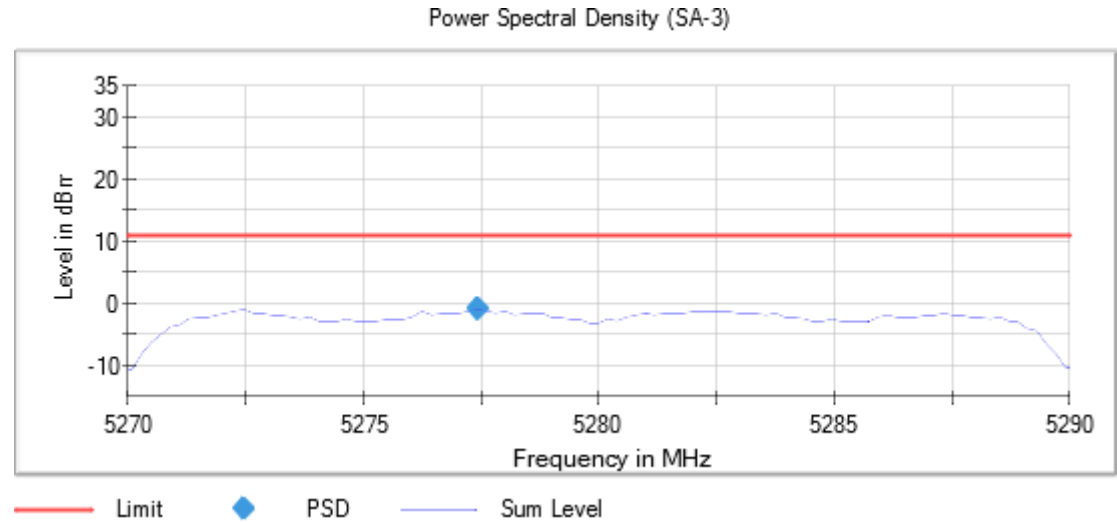
Frequency MHz = 5260.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



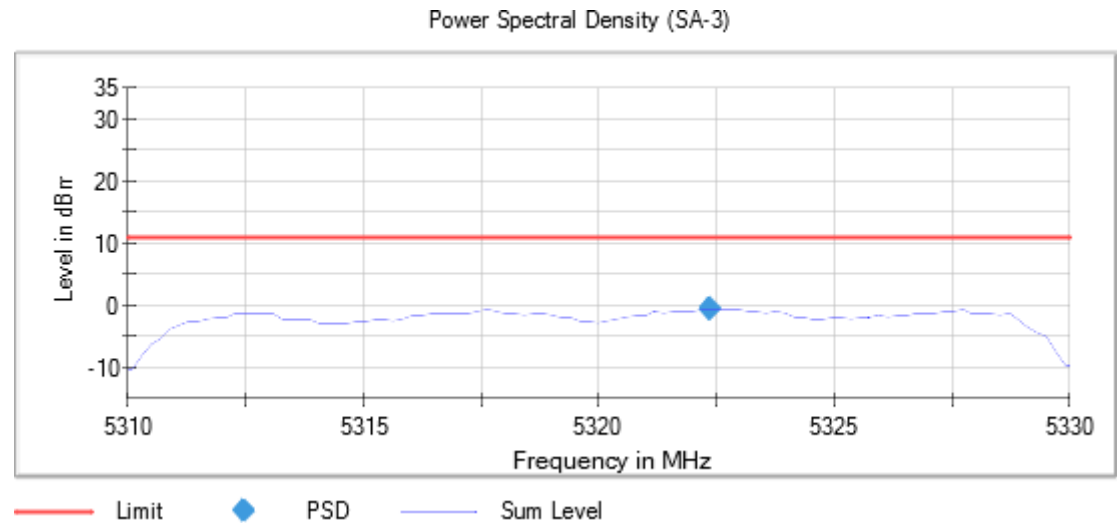
Frequency MHz = 5280.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



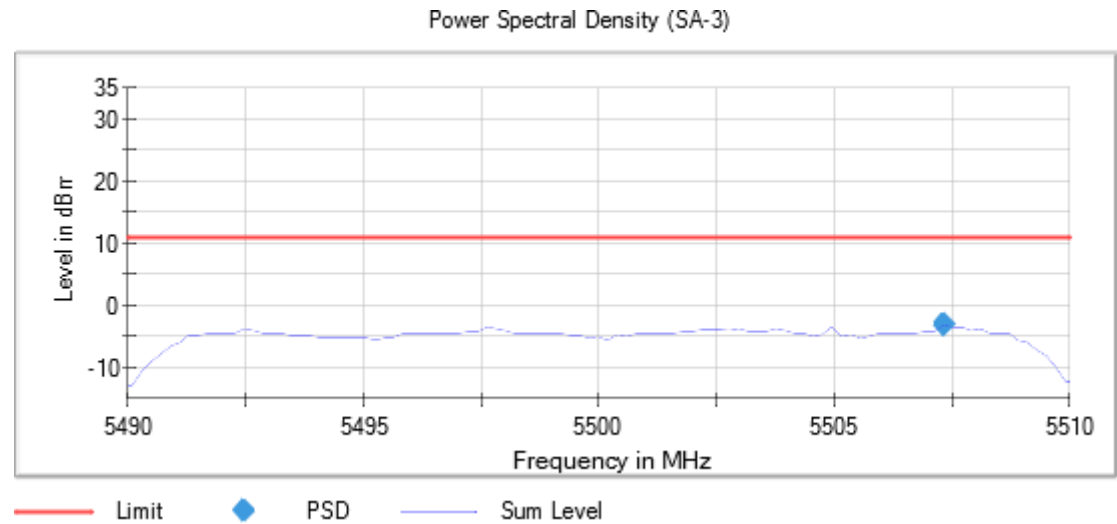
Frequency MHz = 5320.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



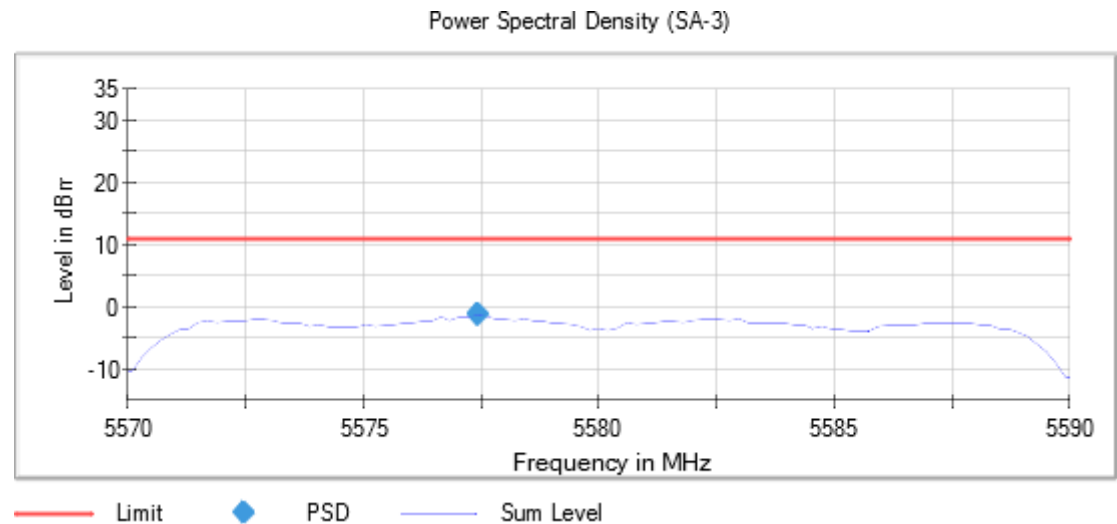
Frequency MHz = 5500.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



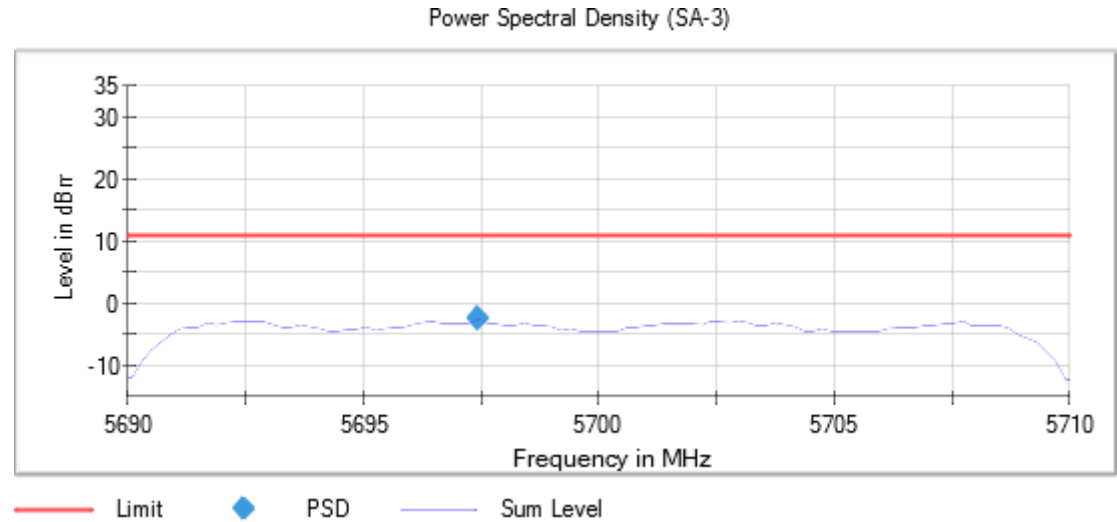
Frequency MHz = 5580.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



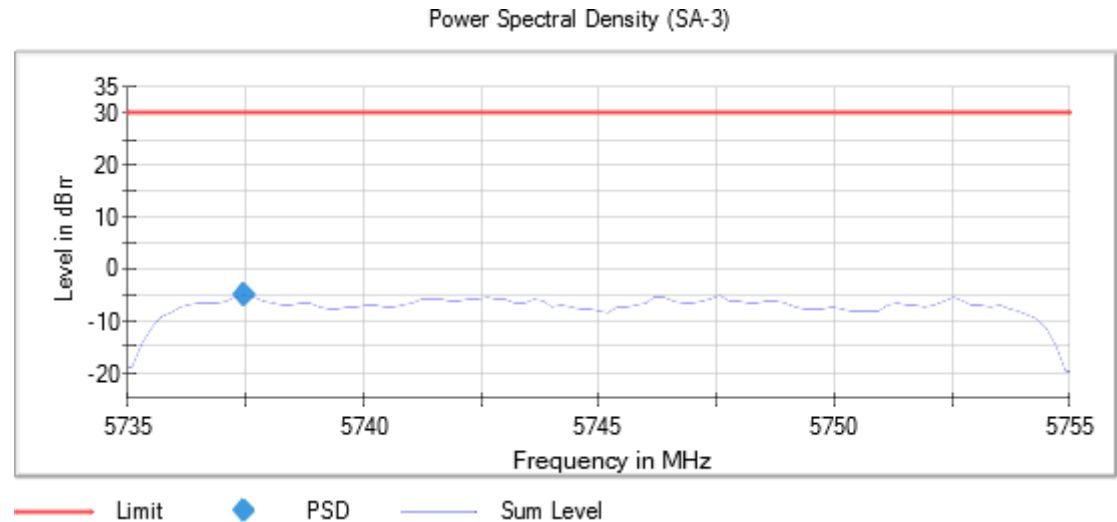
Frequency MHz = 5700.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



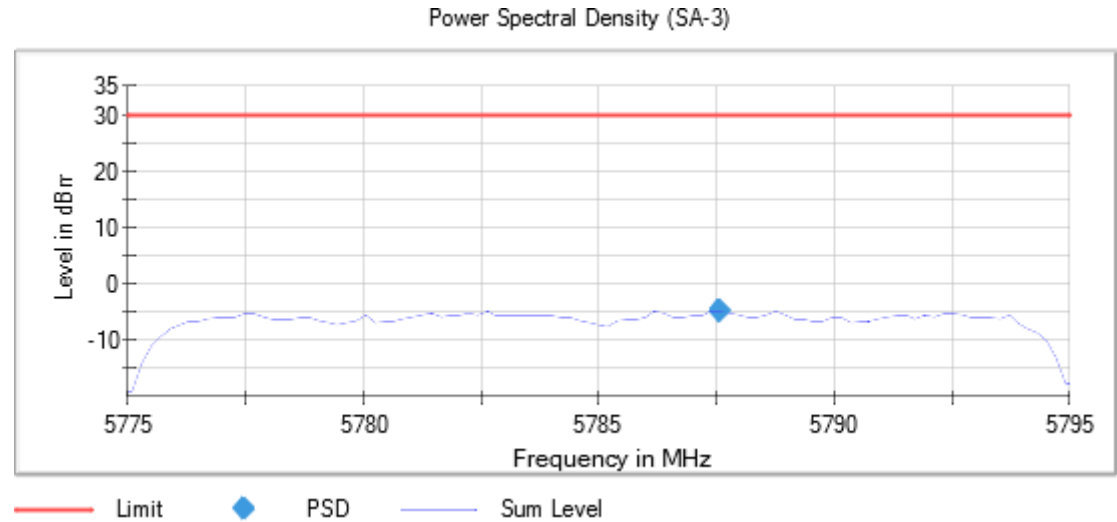
Frequency MHz = 5745.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



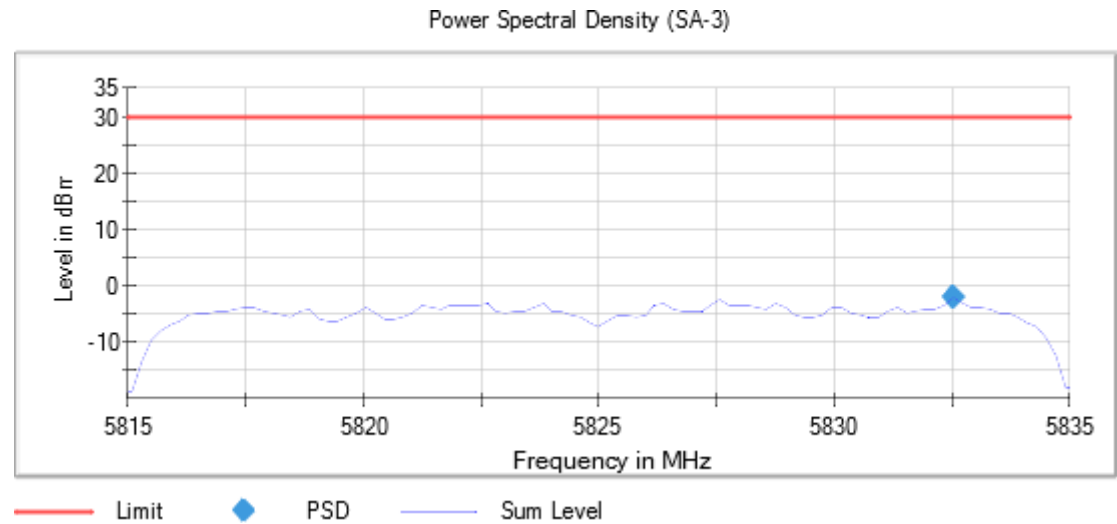
Frequency MHz = 5785.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ax HE40 SS1 (OFDMA MCS9) Beam forming
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5190.00000	5177.722772	-2.96
5230.00000	5232.376238	-0.48
5270.00000	5267.623762	-3.81
5310.00000	5312.772277	0.08
5510.00000	5502.871287	-2.10
5550.00000	5542.475248	-4.96
5670.00000	5667.227723	-4.79
5755.00000	5737.625000	-4.10
5795.00000	5797.125000	-3.00

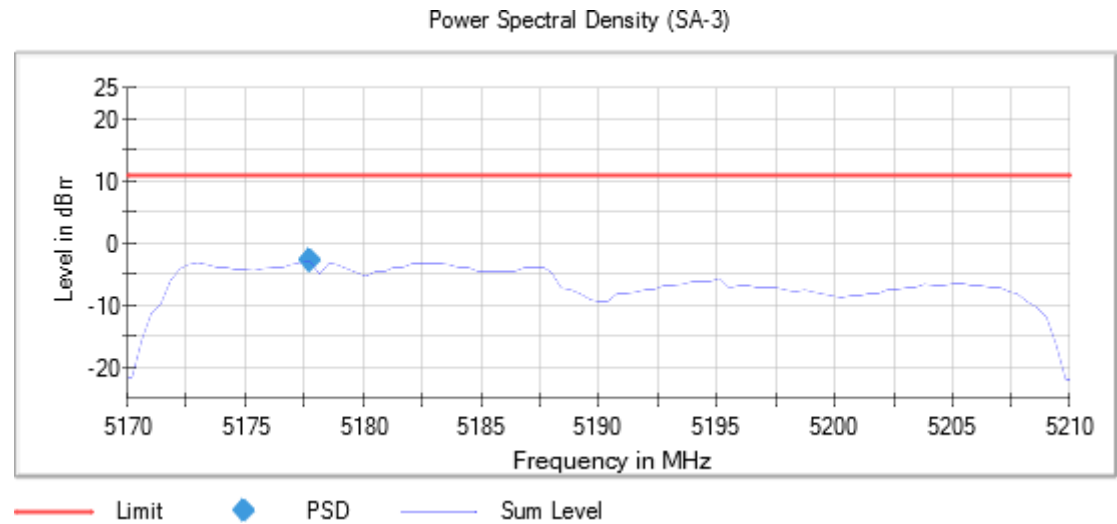
Verdict

Pass

Attachments

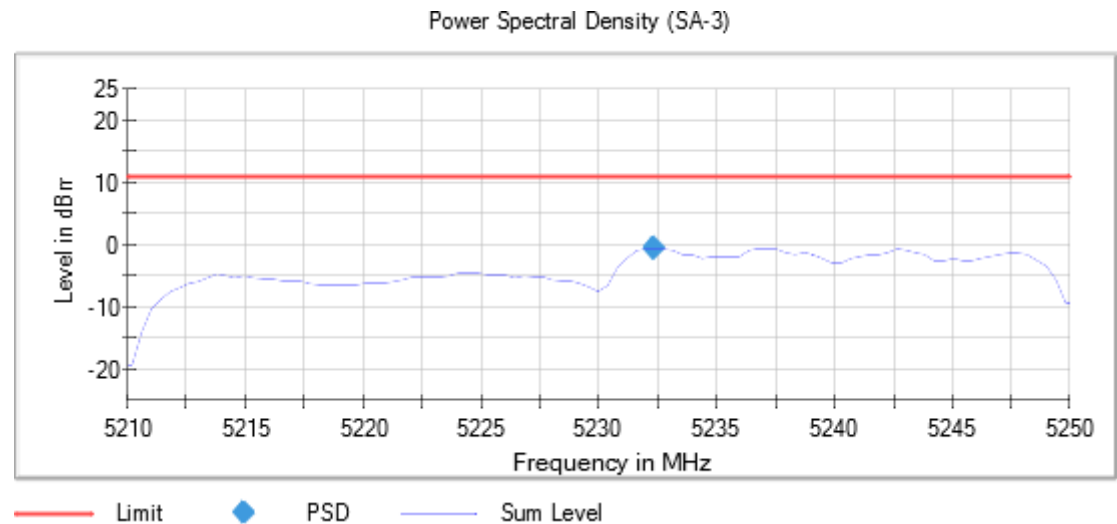
Frequency MHz = 5190.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



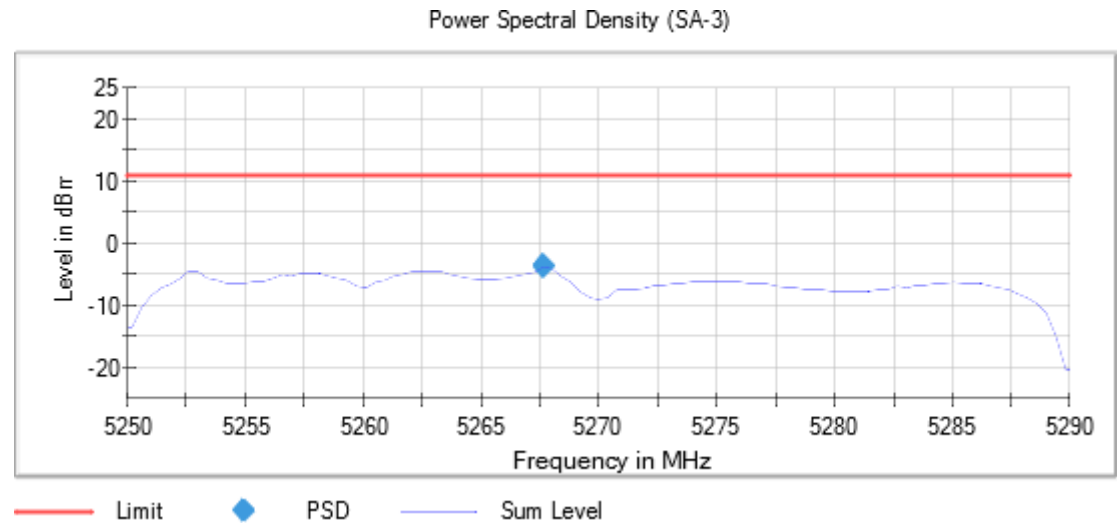
Frequency MHz = 5230.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



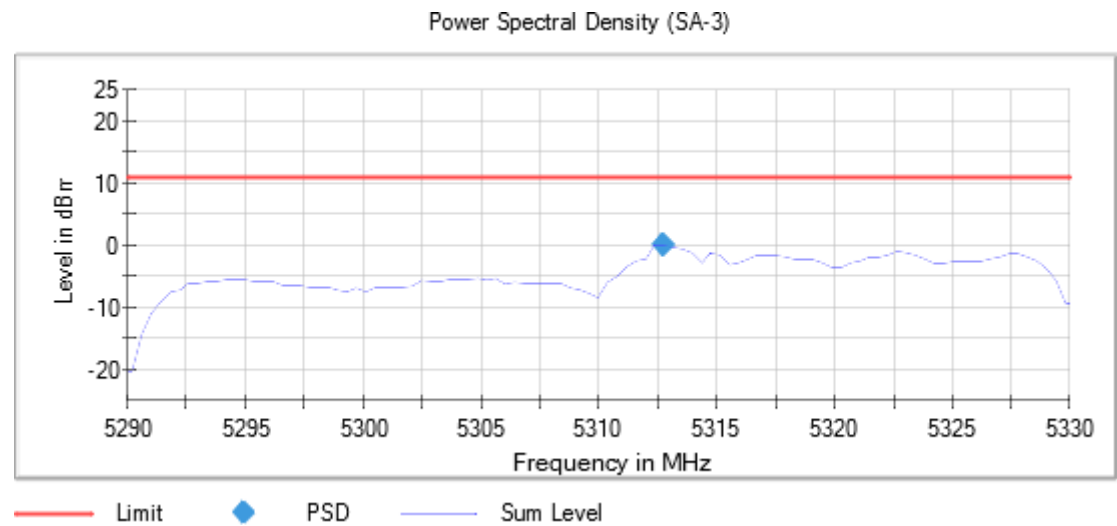
Frequency MHz = 5270.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



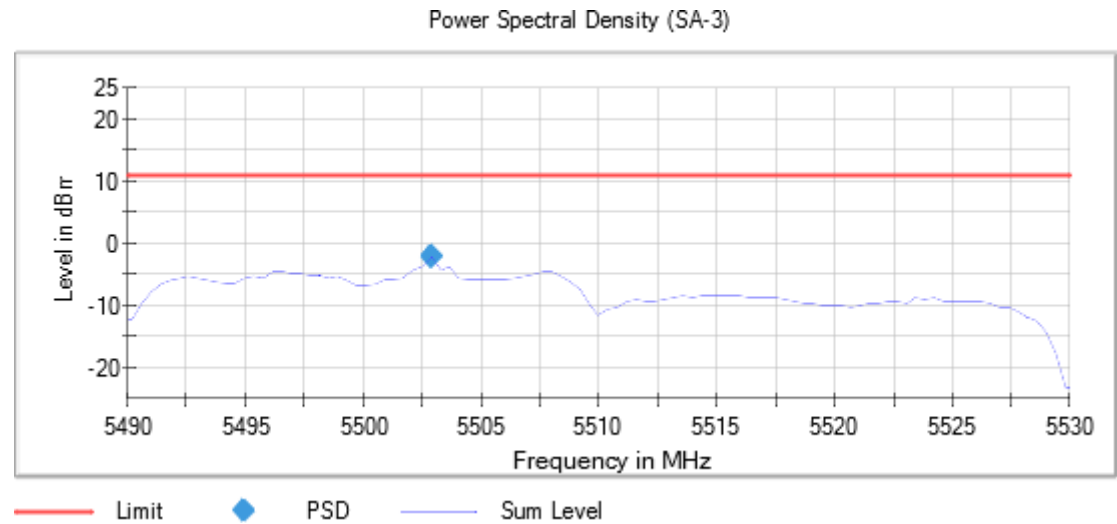
Frequency MHz = 5310.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



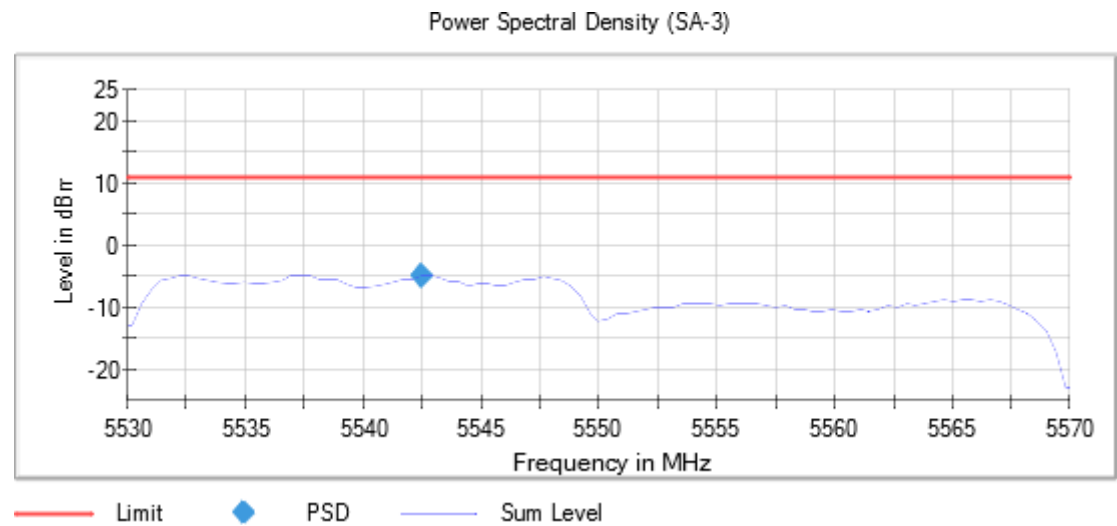
Frequency MHz = 5510.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



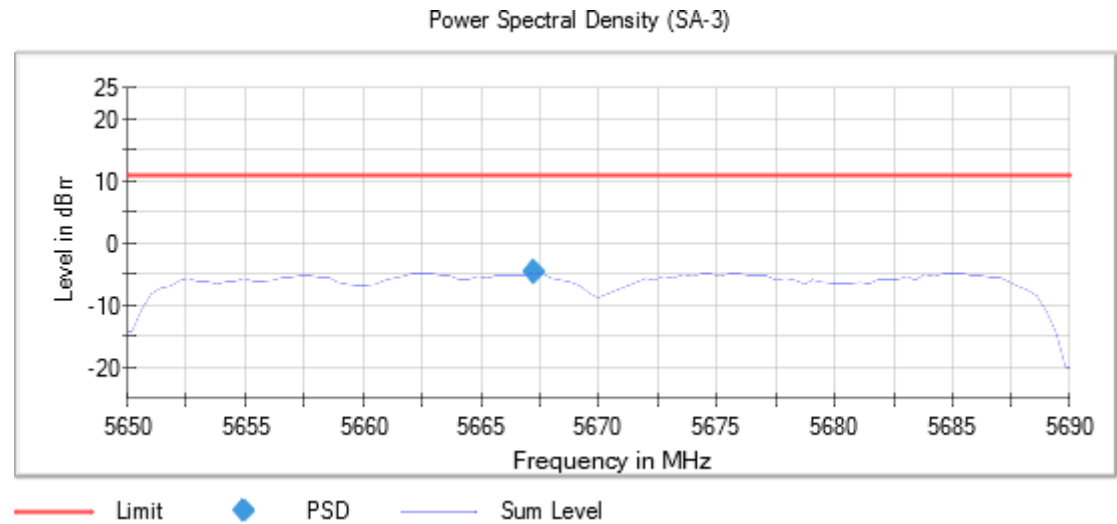
Frequency MHz = 5550.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



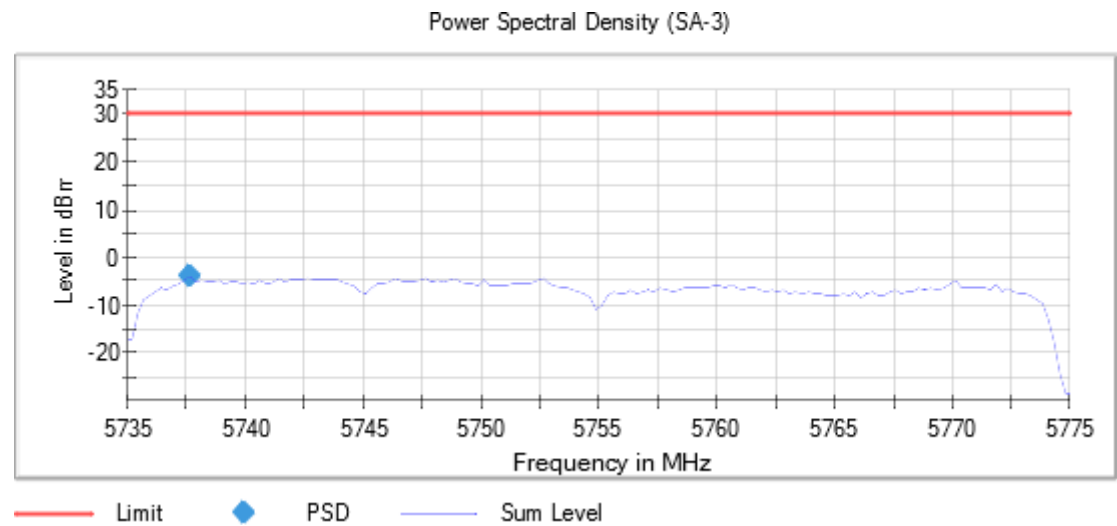
Frequency MHz = 5670.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



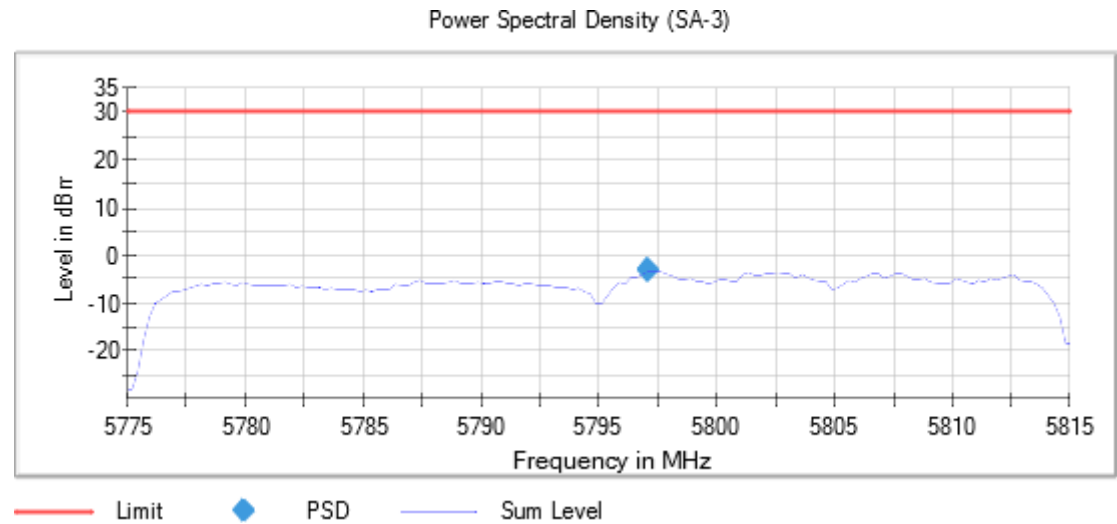
Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), TPC = No, Mode = MIMO
CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ax HE80 SS1 (OFDMA MCS11) Beam forming
Results

Test Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5210.00000	5185.250000	-3.11
5290.00000	5282.750000	-6.21
5530.00000	5502.750000	-7.92
5610.00000	5573.750000	-2.14
5775.00000	5797.625000	-3.23

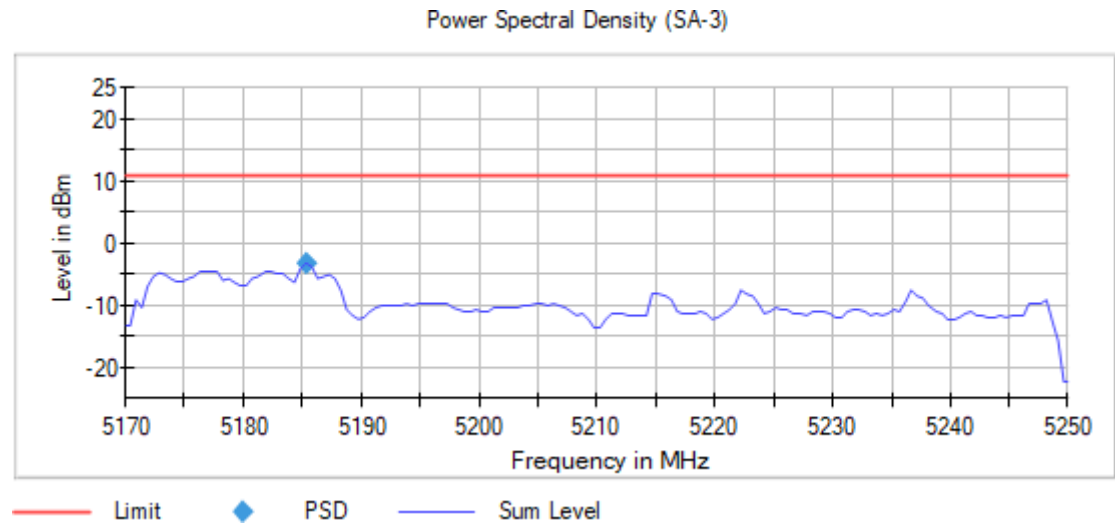
Verdict

Pass

Attachments

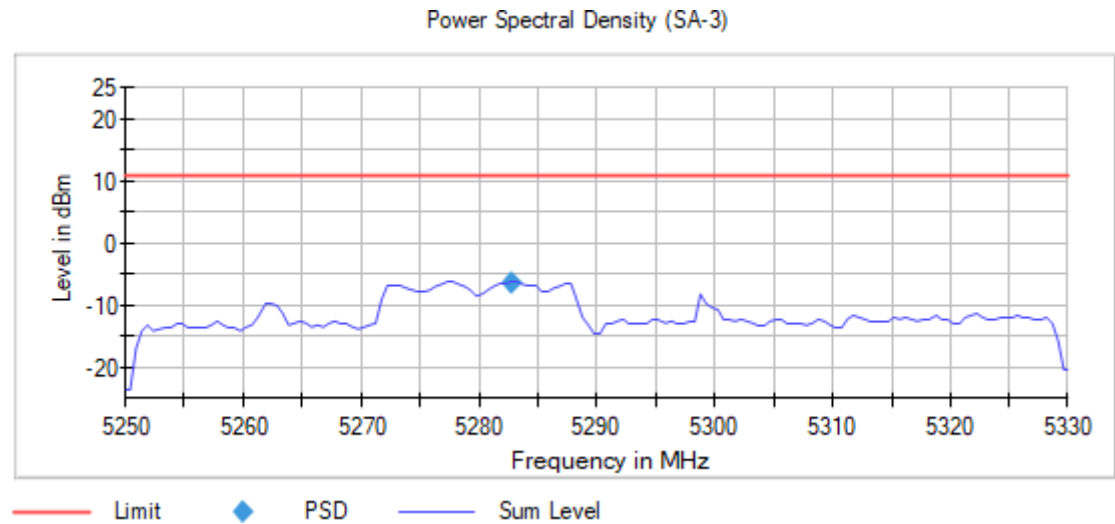
Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



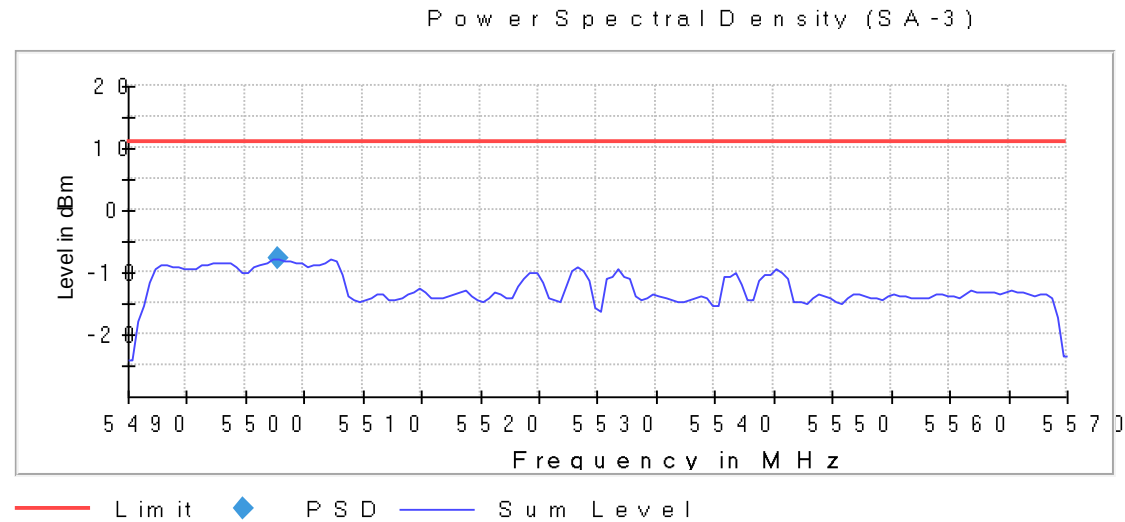
Frequency MHz = 5290.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



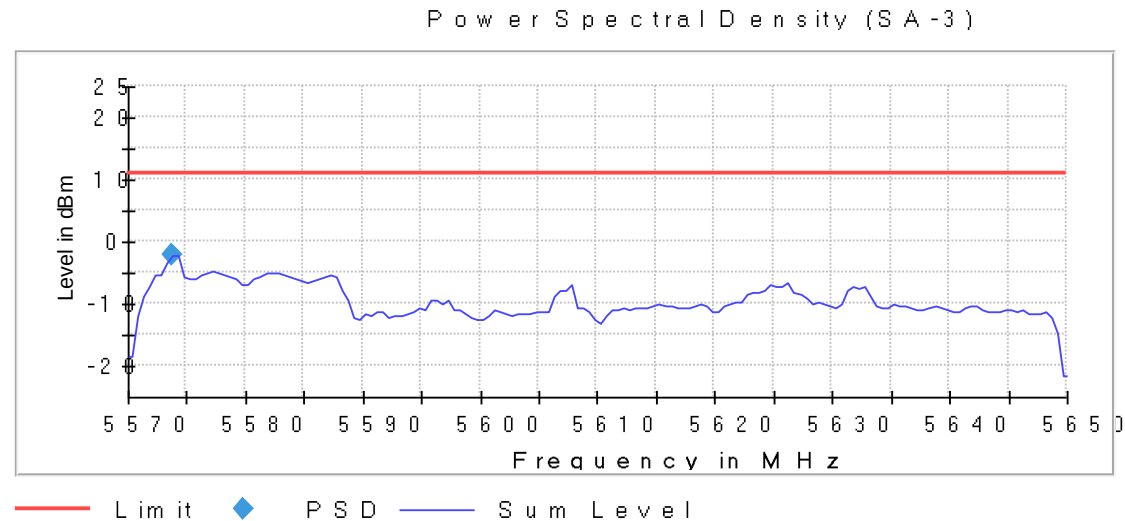
Frequency MHz = 5530.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



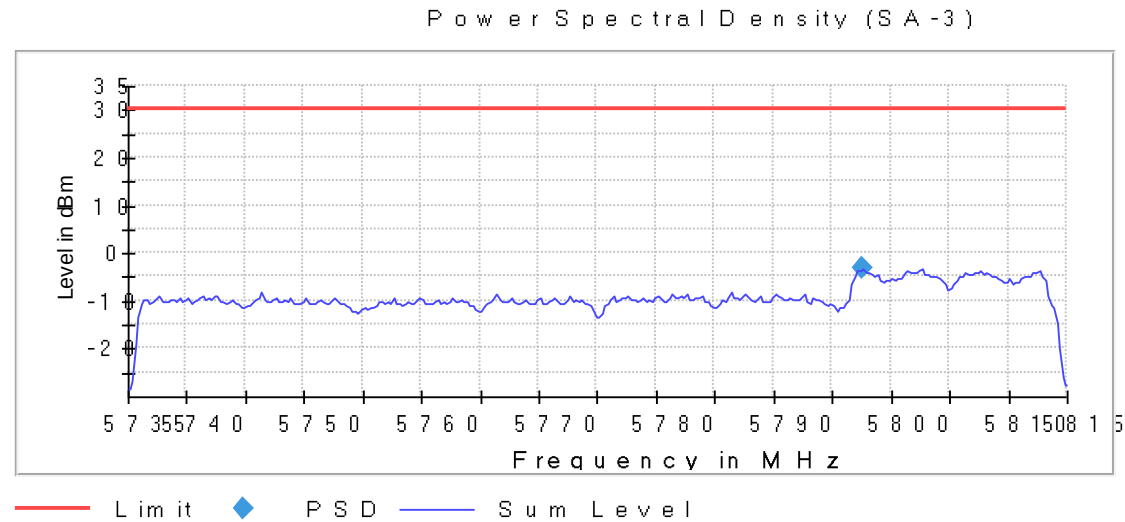
Frequency MHz = 5610.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5610.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), TPC = No, Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



FCC 2.1049 / RSS-Gen 6.7 99% Occupied Bandwidth

Limits

No requirements requested.

Modulation: 802.11a (OFDM 54 Mbit/s)

Results

Freq (MHz)	Occ Ch BW (MHz)
5180.00000	16.500
5200.00000	17.700
5240.00000	16.600
5260.00000	16.700
5280.00000	16.600
5320.00000	16.500
5500.00000	16.700
5580.00000	16.700
5700.00000	16.600
5745.00000	16.600
5785.00000	16.600
5825.00000	16.600

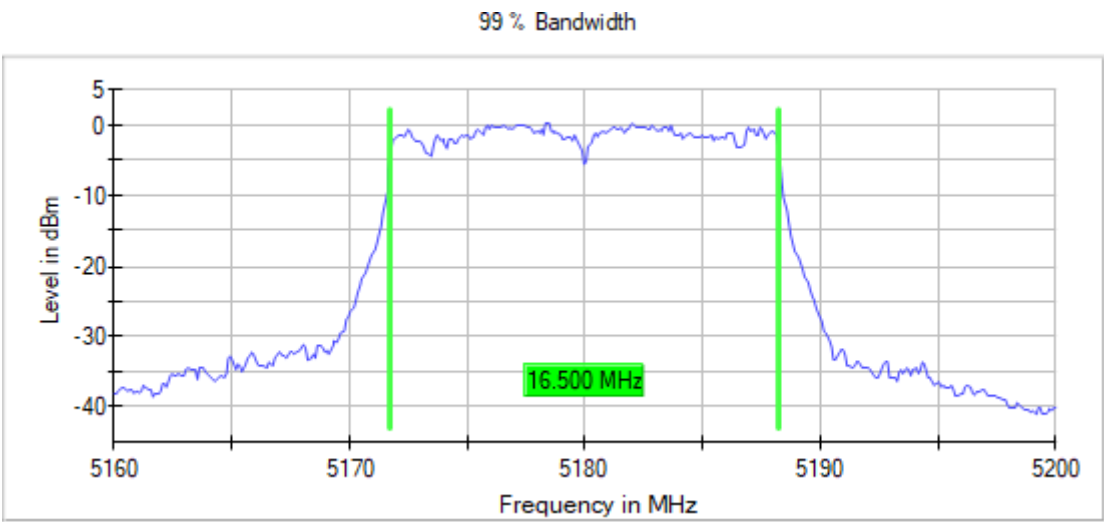
Verdict

Pass

Attachments

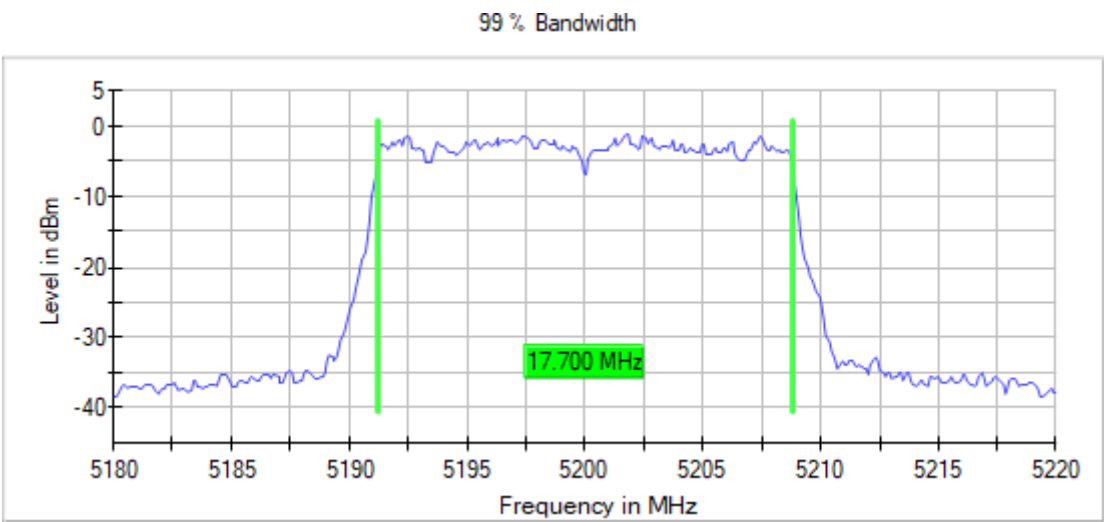
Frequency MHz = 5180.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



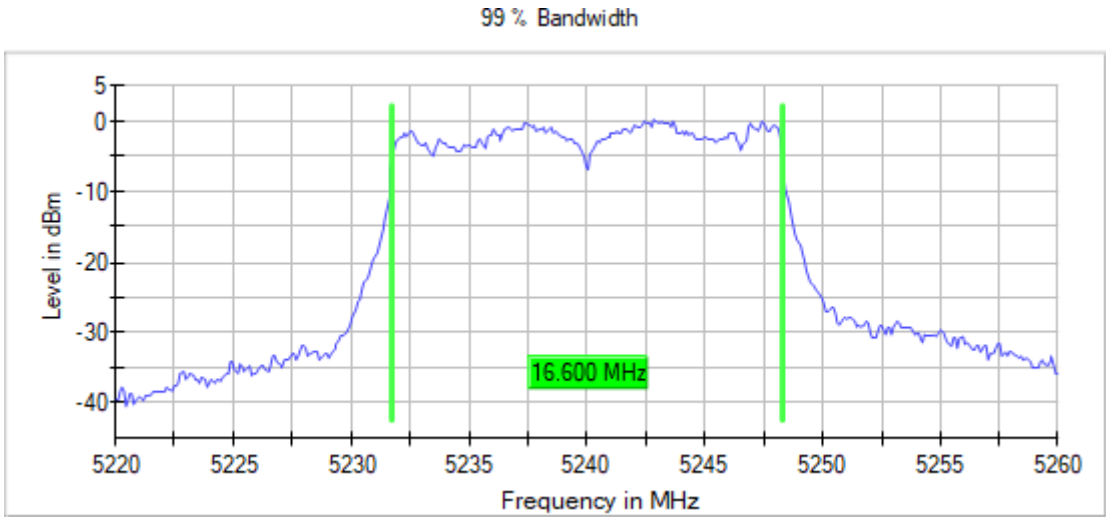
Frequency MHz = 5200.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



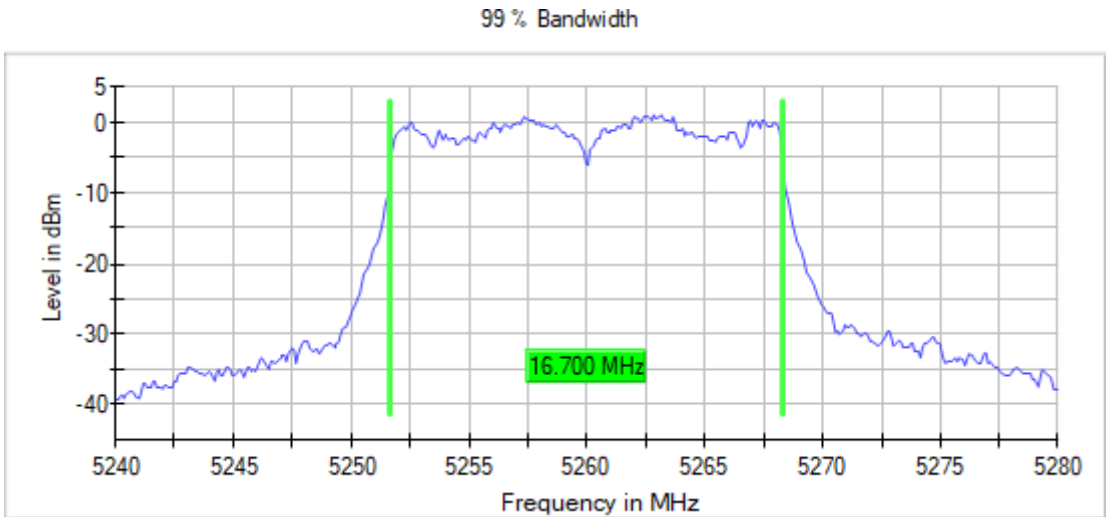
Frequency MHz = 5240.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



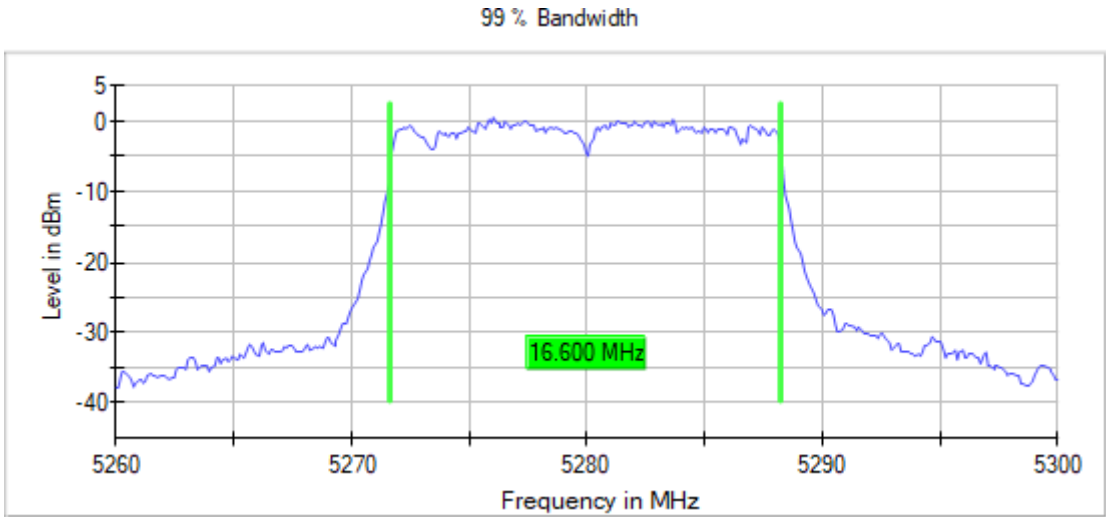
Frequency MHz = 5260.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



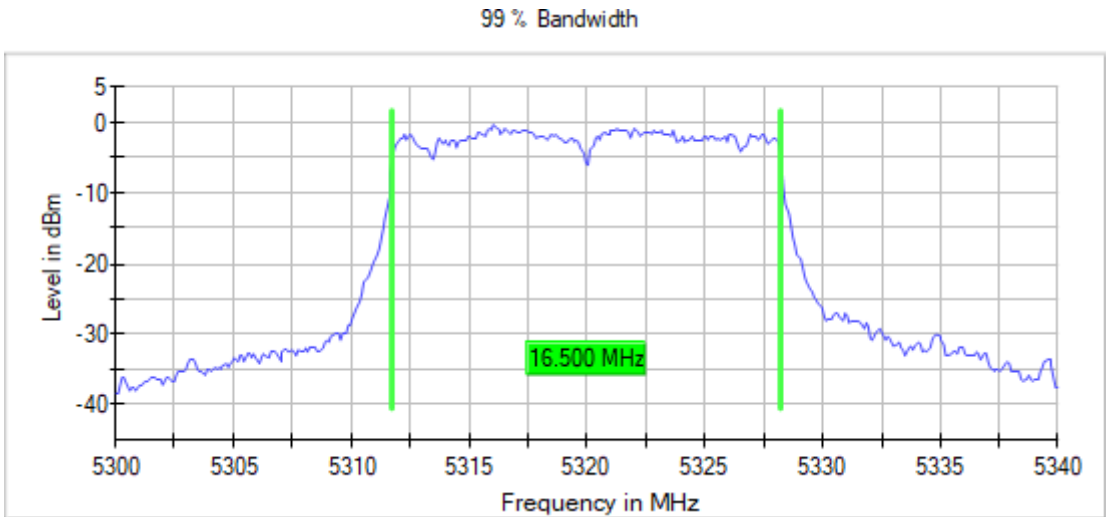
Frequency MHz = 5280.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



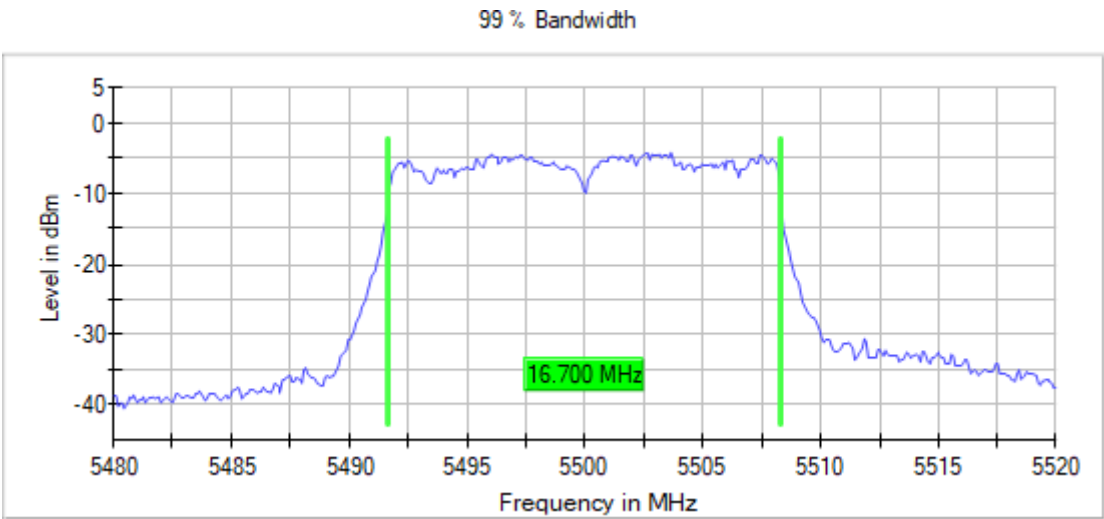
Frequency MHz = 5320.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



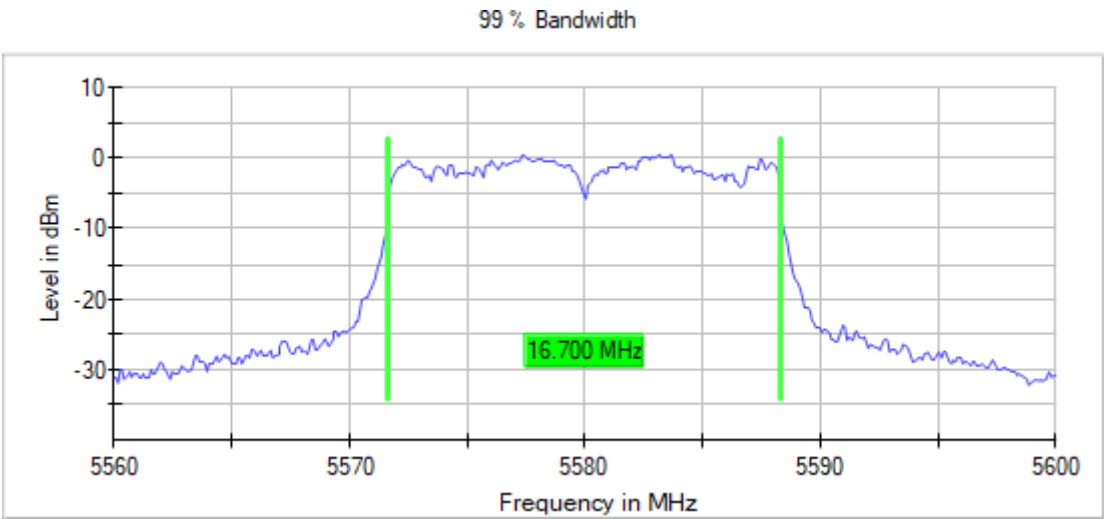
Frequency MHz = 5500.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



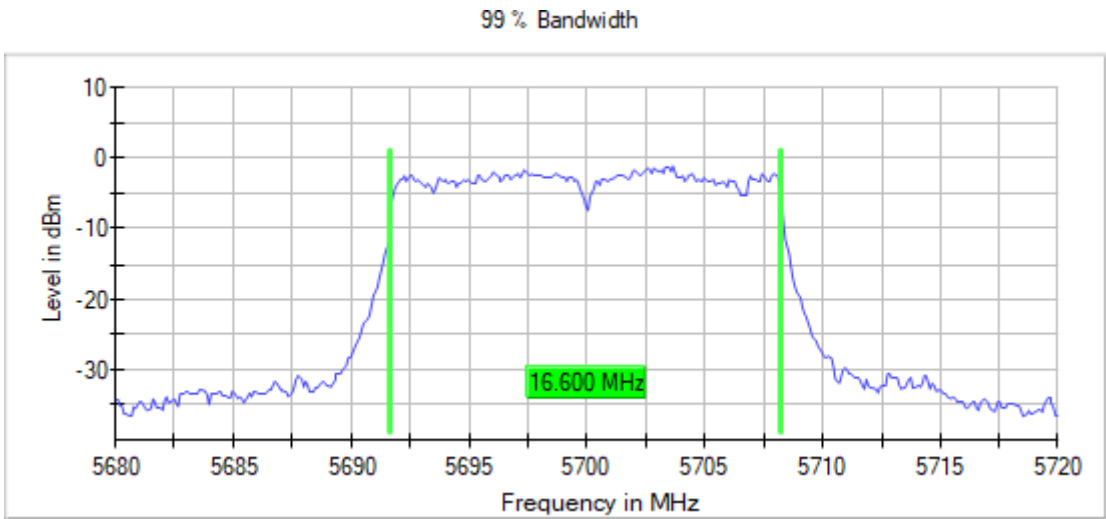
Frequency MHz = 5580.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



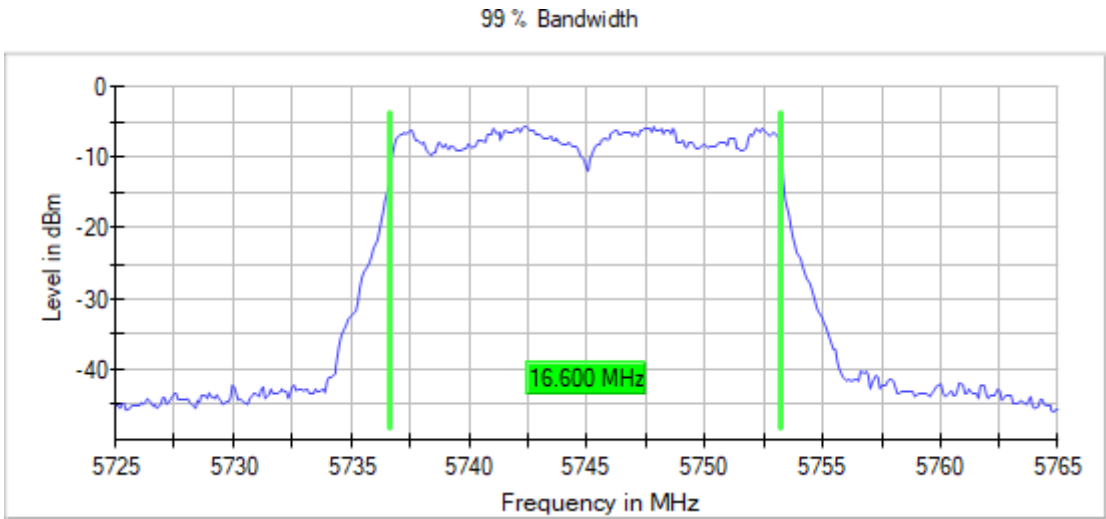
Frequency MHz = 5700.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



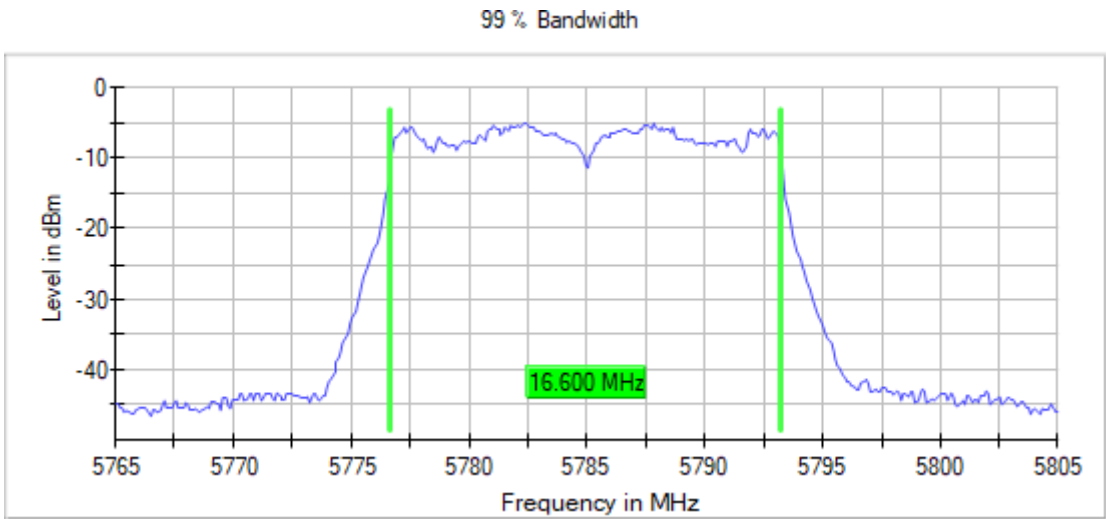
Frequency MHz = 5745.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



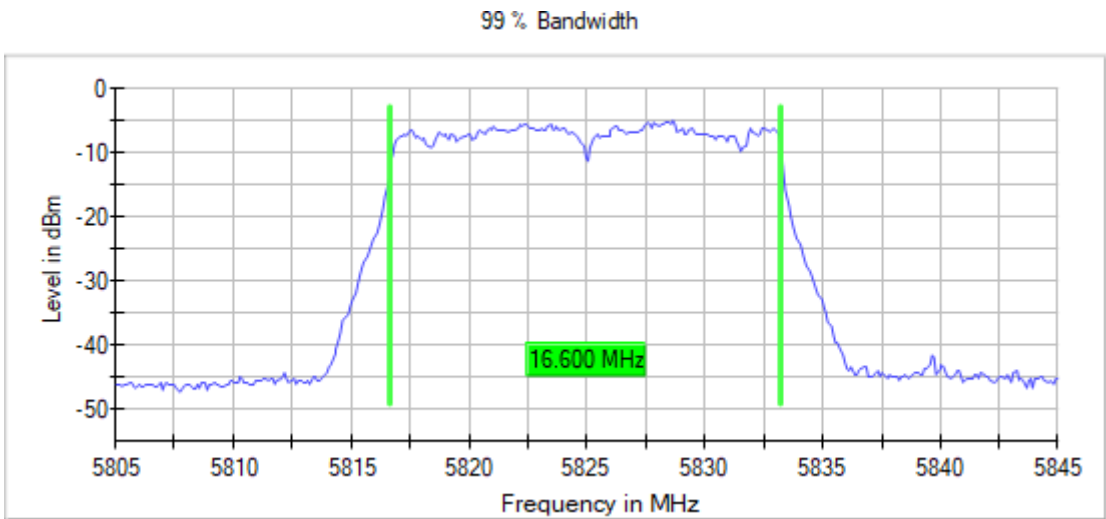
Frequency MHz = 5785.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000, Modulation = 802.11a (OFDM 54 Mbit/s), Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11n HT20

Results

Freq (MHz)	Occ Ch BW (MHz)
5180.00000	17.700
5200.00000	17.700
5240.00000	17.700
5260.00000	17.700
5280.00000	17.700
5320.00000	17.700
5500.00000	17.700
5580.00000	17.700
5700.00000	17.700
5745.00000	17.700
5785.00000	17.700
5825.00000	17.700

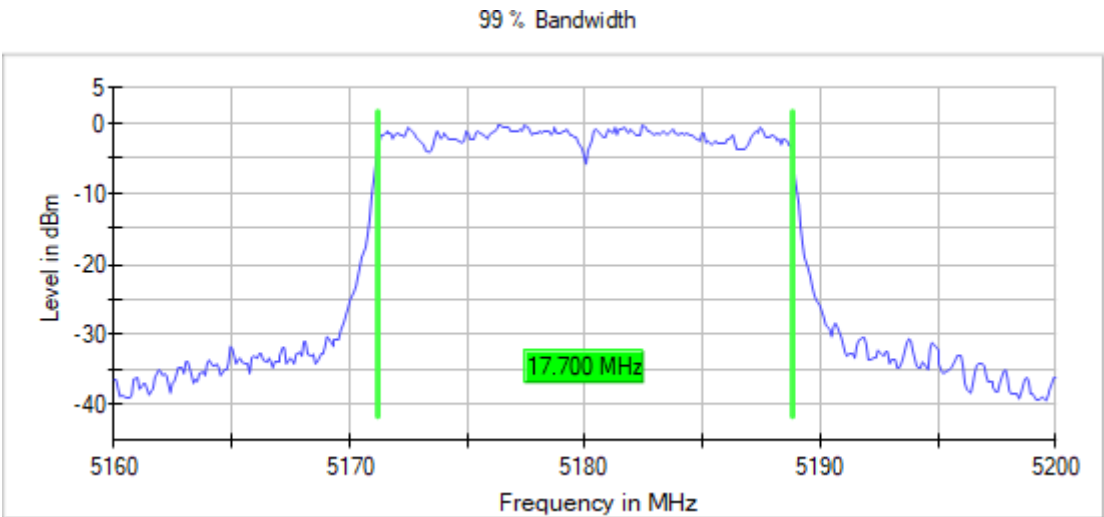
Verdict

Pass

Attachments

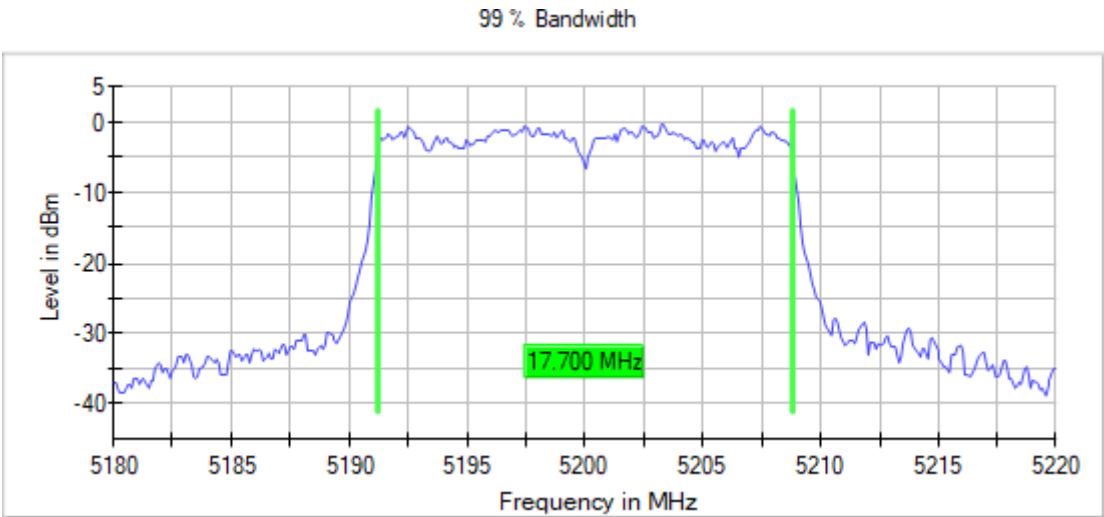
Frequency MHz = 5180.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



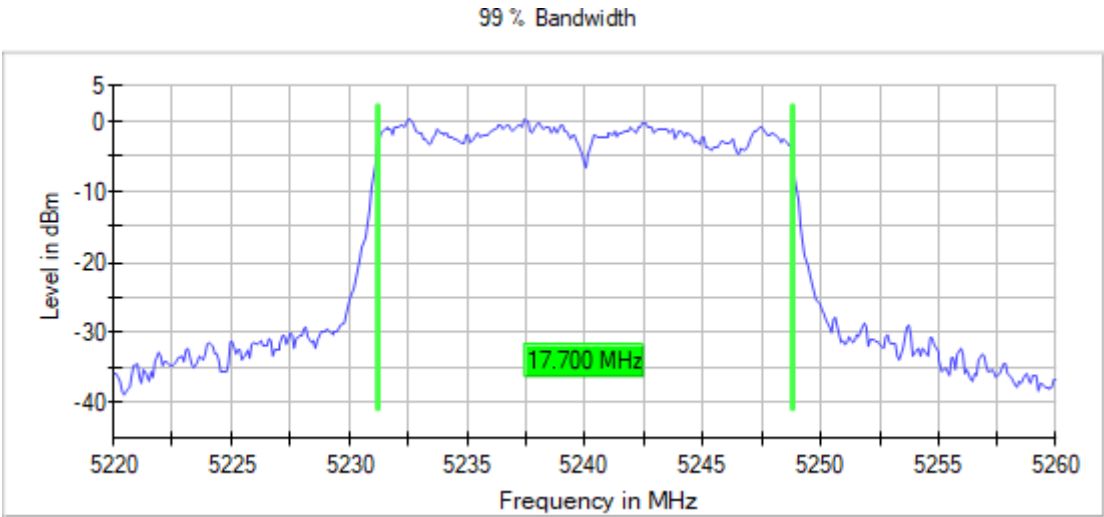
Frequency MHz = 5200.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



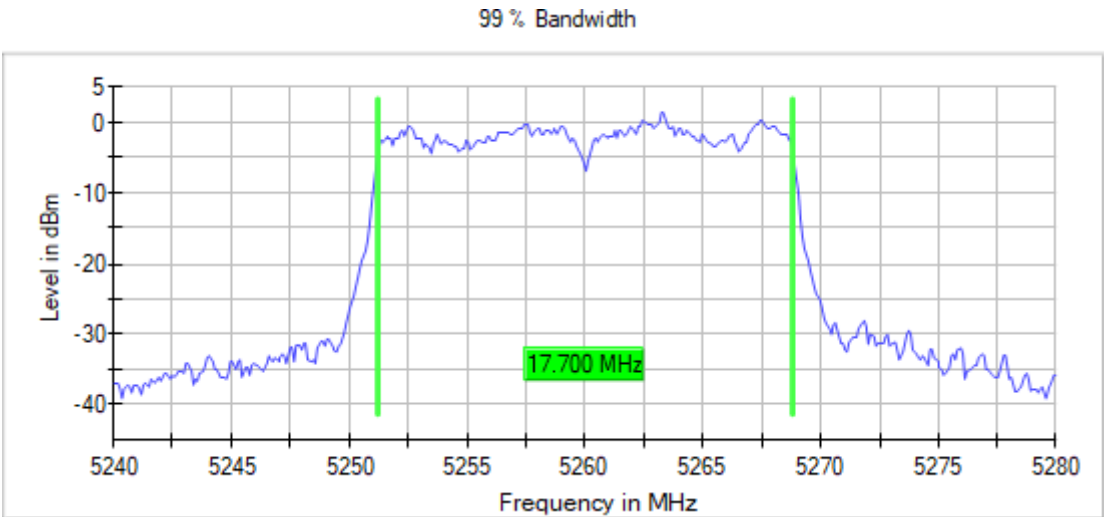
Frequency MHz = 5240.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



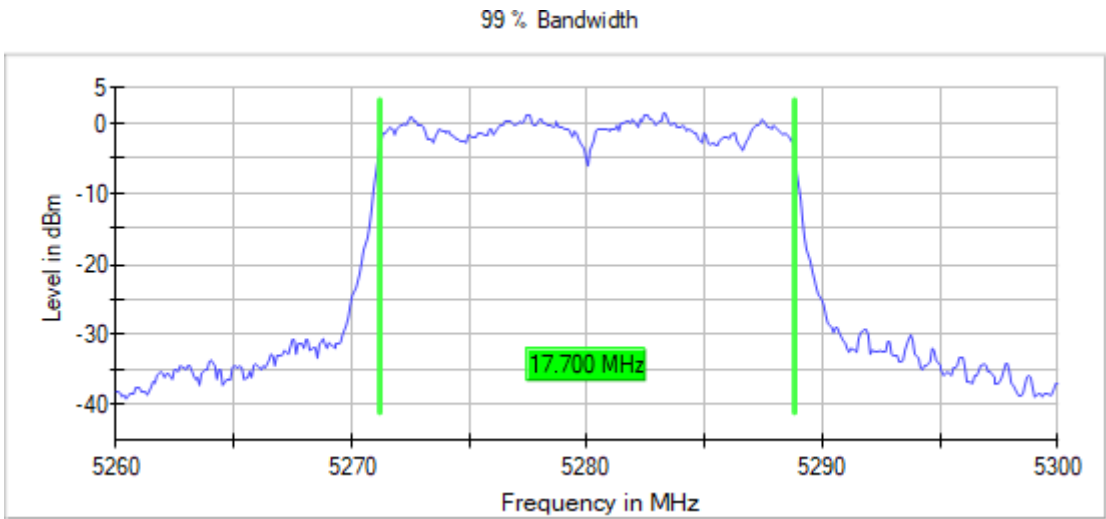
Frequency MHz = 5260.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



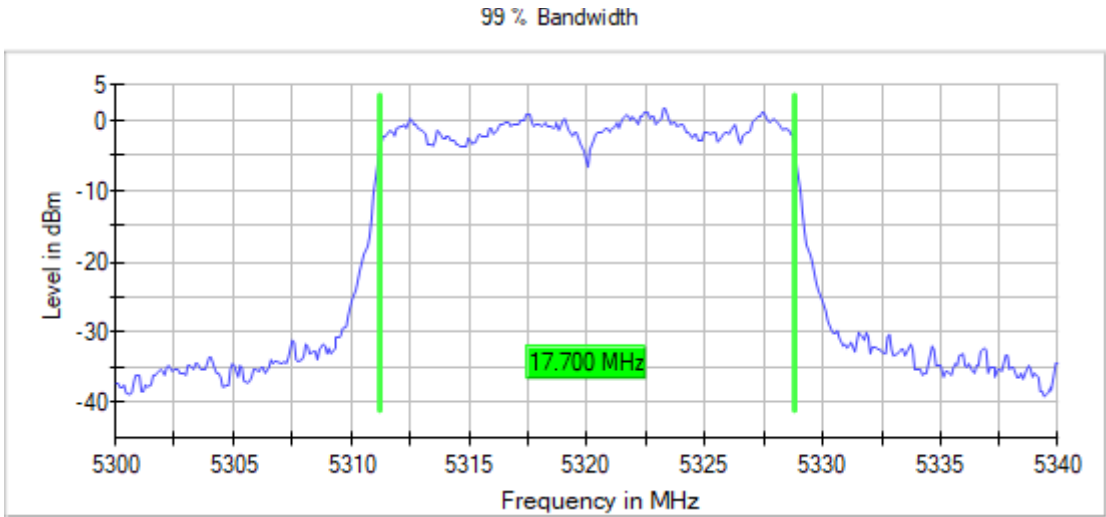
Frequency MHz = 5280.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



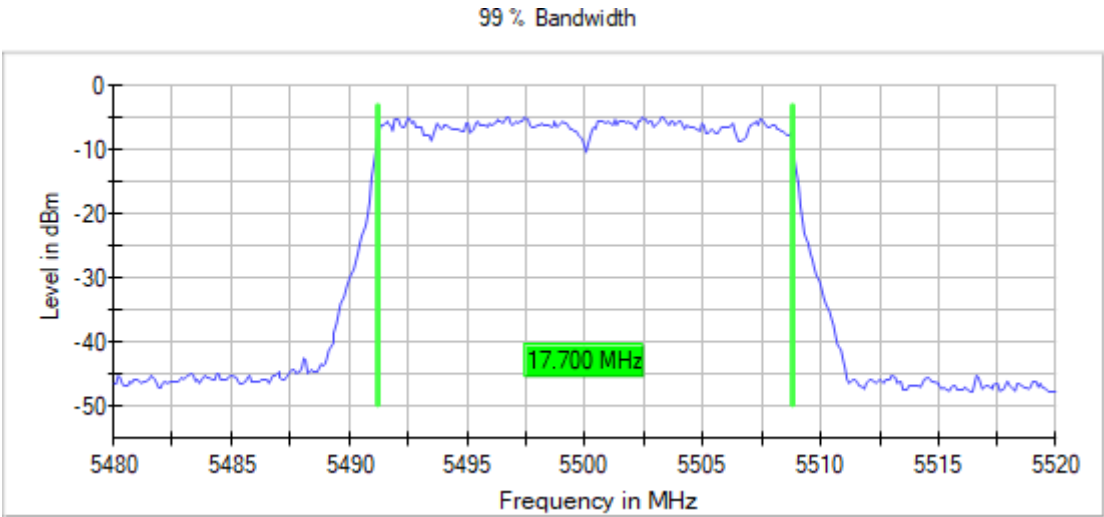
Frequency MHz = 5320.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



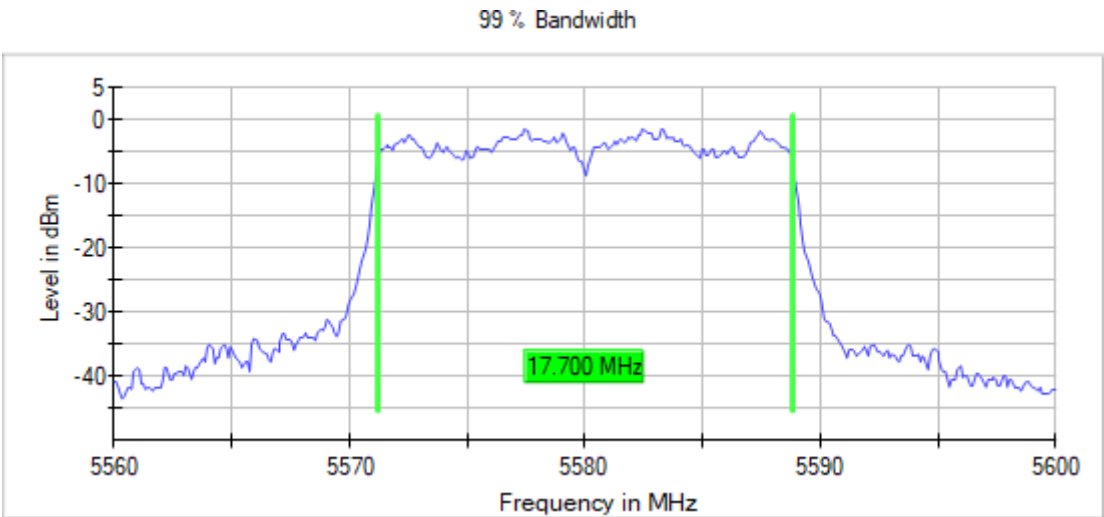
Frequency MHz = 5500.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



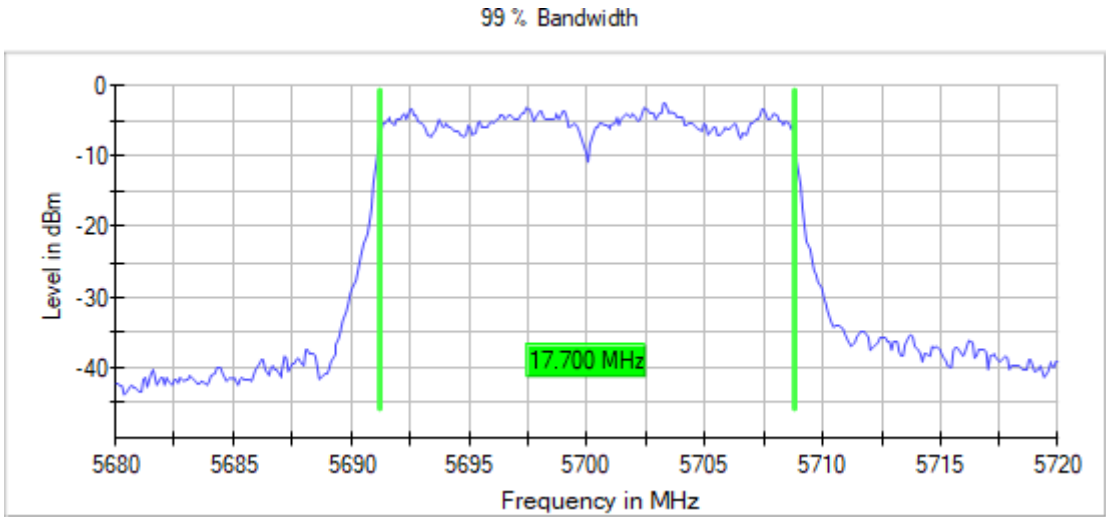
Frequency MHz = 5580.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



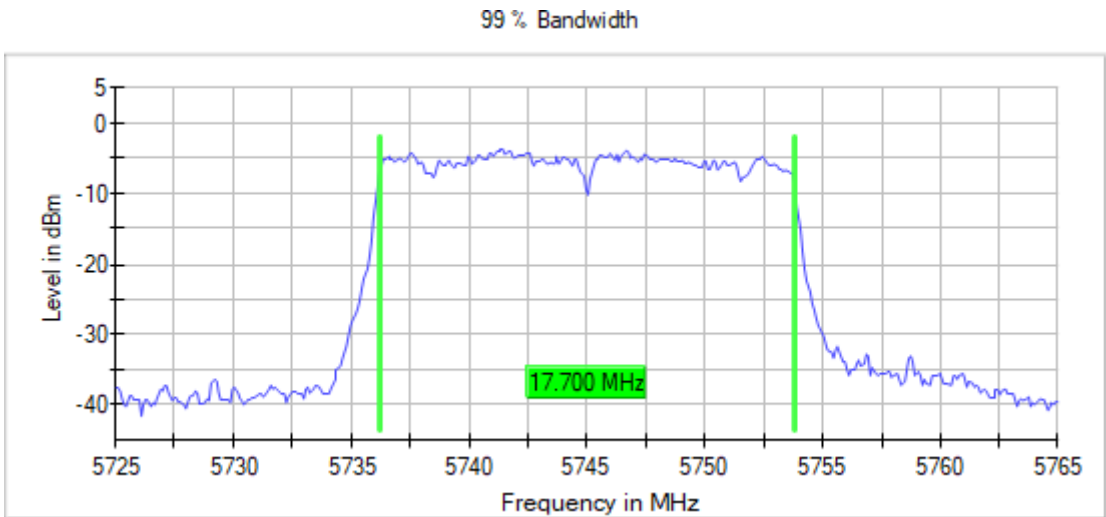
Frequency MHz = 5700.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



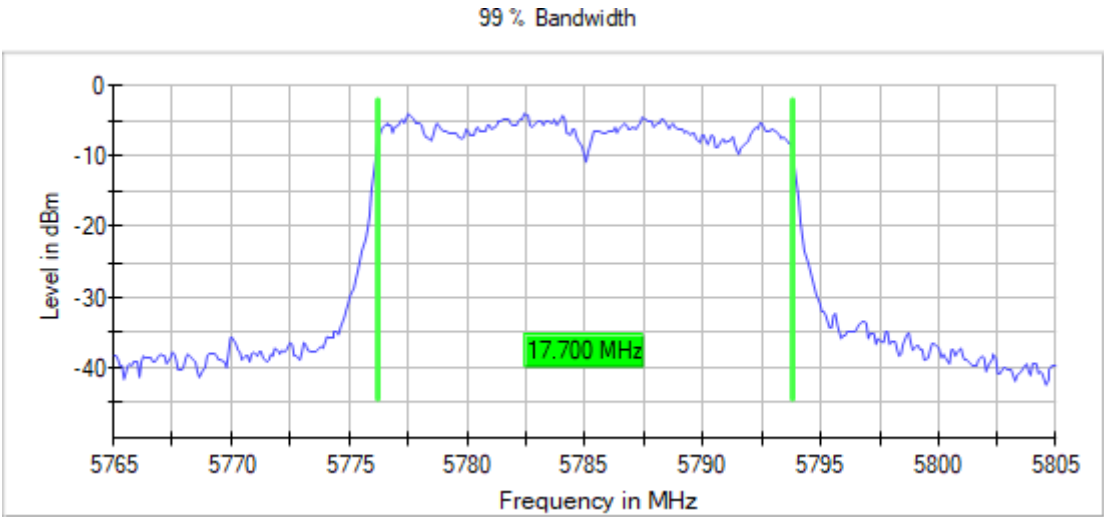
Frequency MHz = 5745.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



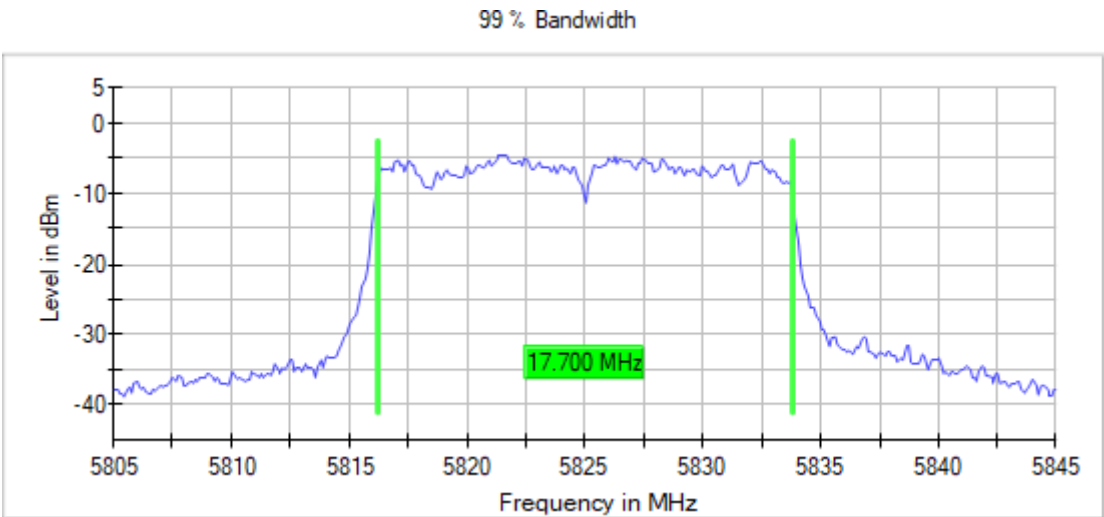
Frequency MHz = 5785.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000, Modulation = 802.11n HT20 , Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11n HT40
Results

Freq (MHz)	Occ Ch BW (MHz)
5190.00000	36.250
5230.00000	36.250
5270.00000	36.250
5310.00000	36.500
5510.00000	36.500
5550.00000	36.500
5670.00000	36.250
5755.00000	36.500
5795.00000	36.500

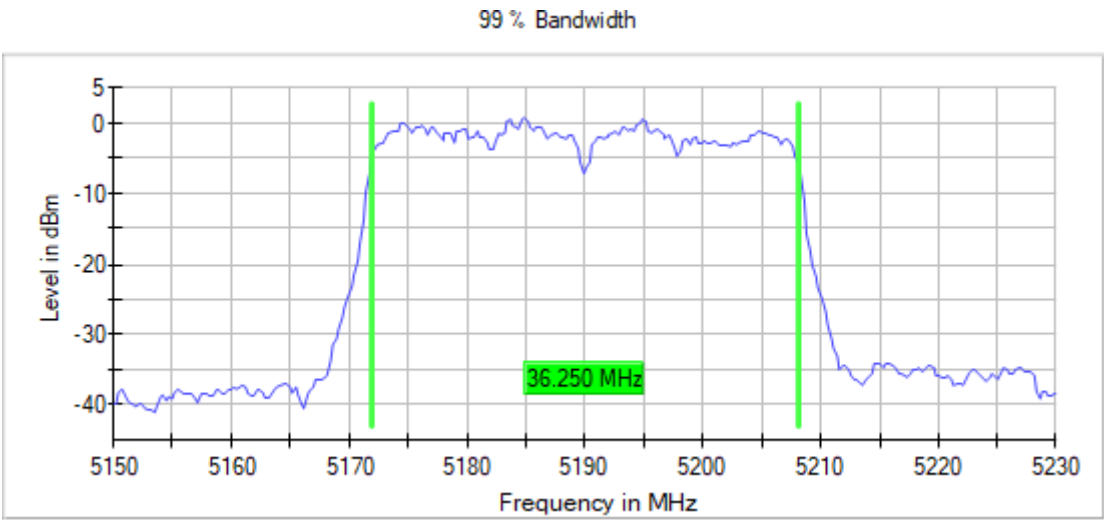
Verdict

Pass

Attachments

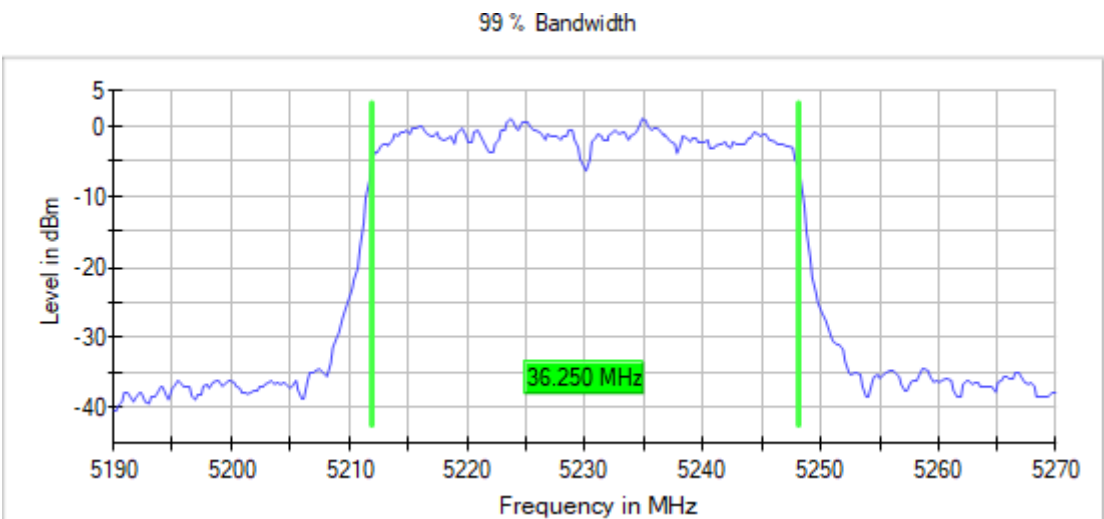
Frequency MHz = 5190.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



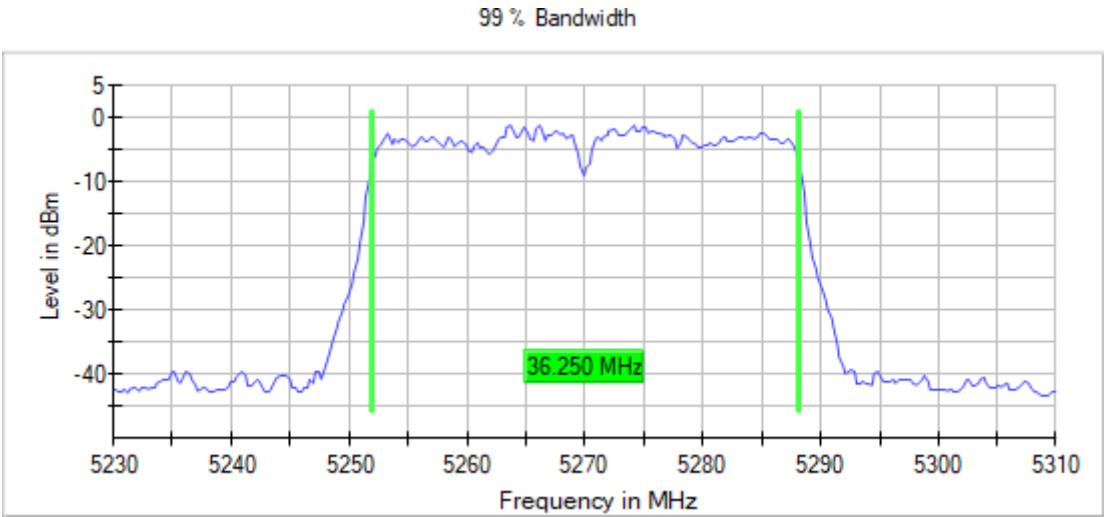
Frequency MHz = 5230.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



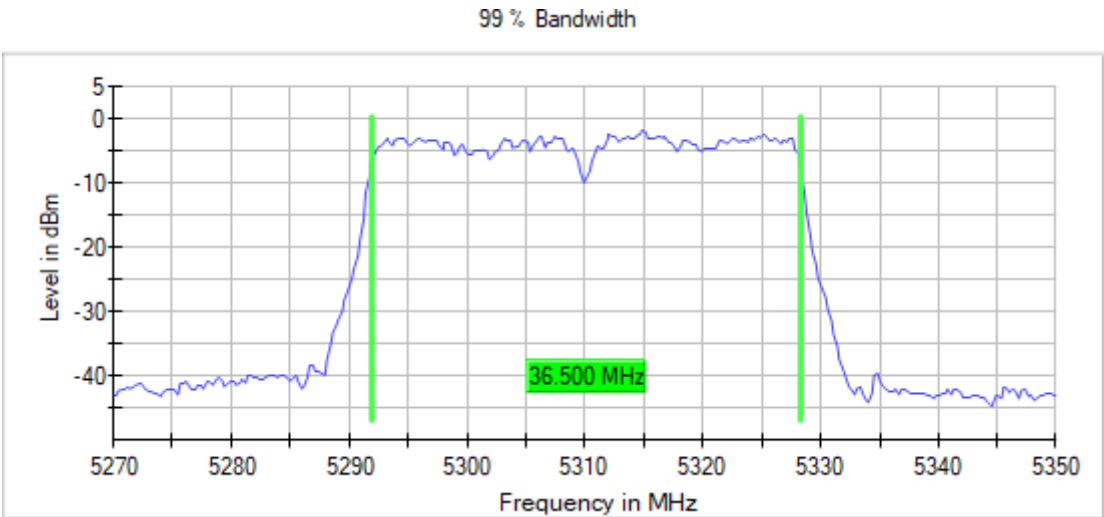
Frequency MHz = 5270.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



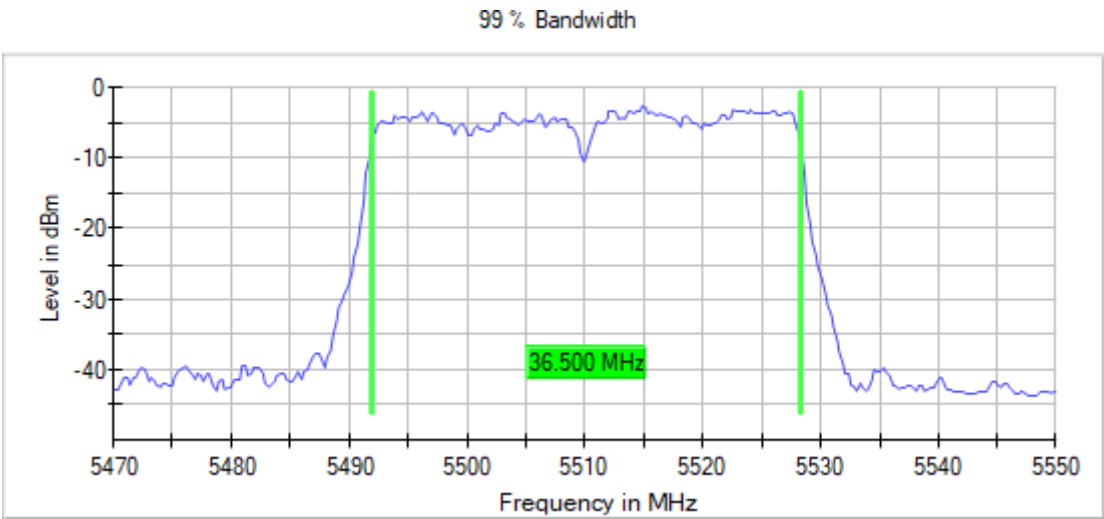
Frequency MHz = 5310.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



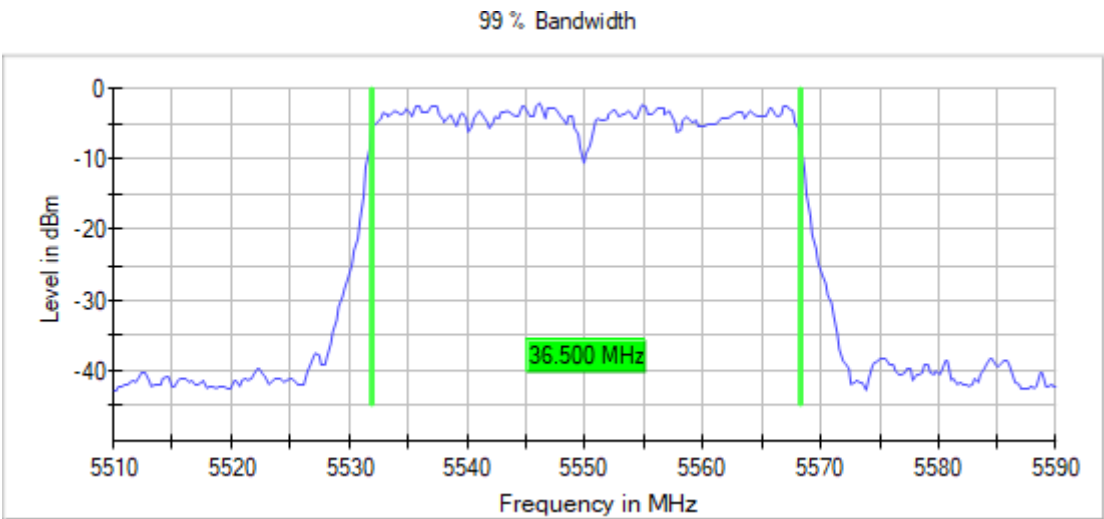
Frequency MHz = 5510.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



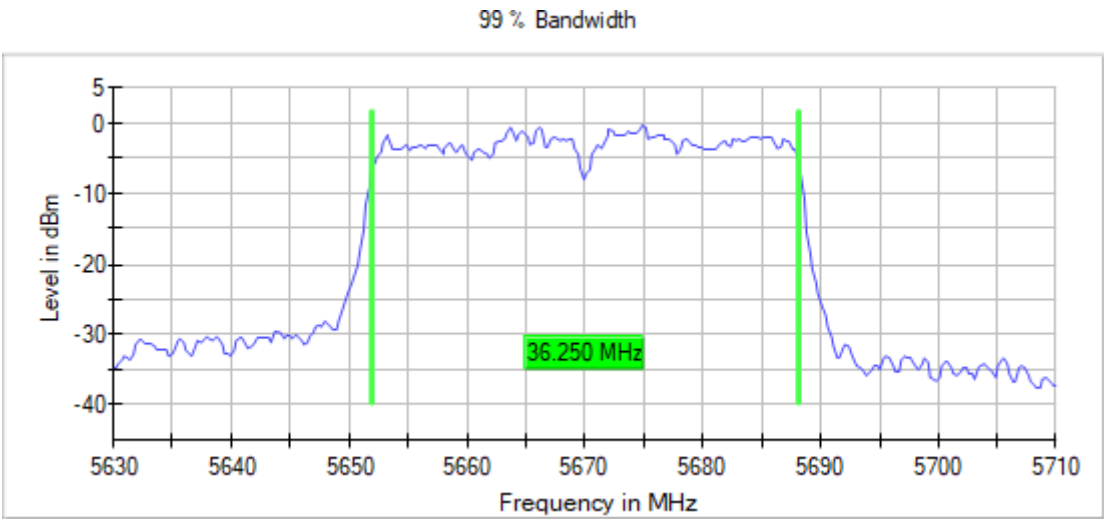
Frequency MHz = 5550.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



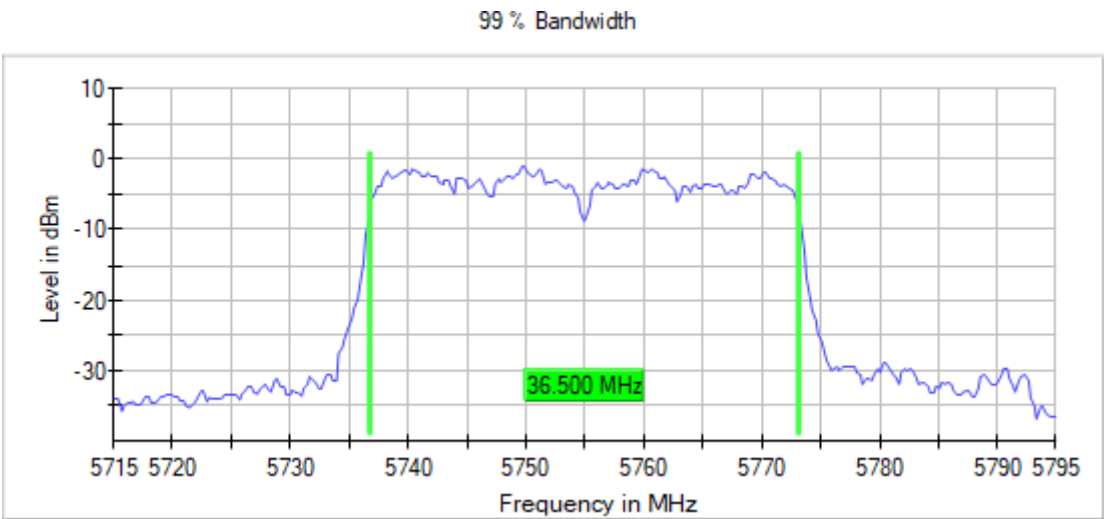
Frequency MHz = 5670.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



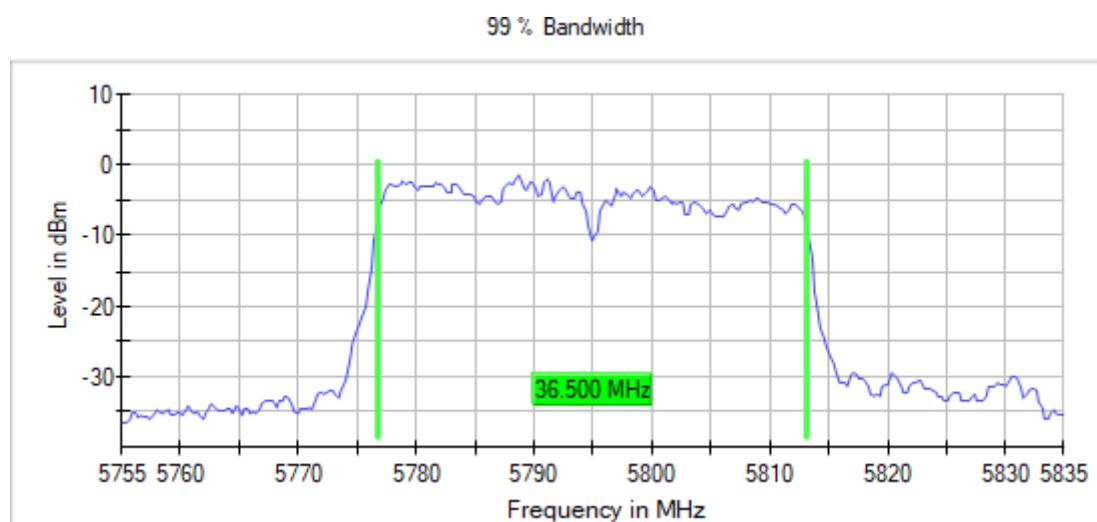
Frequency MHz = 5755.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5795.00000, Modulation = 802.11n HT40 , Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11ac VHT20 (OFDM MCS8)

Results

Freq (MHz)	Occ Ch BW (MHz)
5180.00000	17.700
5200.00000	17.700
5240.00000	17.700
5260.00000	17.700
5280.00000	17.700
5320.00000	17.700
5500.00000	17.700
5580.00000	17.700
5700.00000	17.700
5745.00000	17.800
5785.00000	17.700
5825.00000	17.700

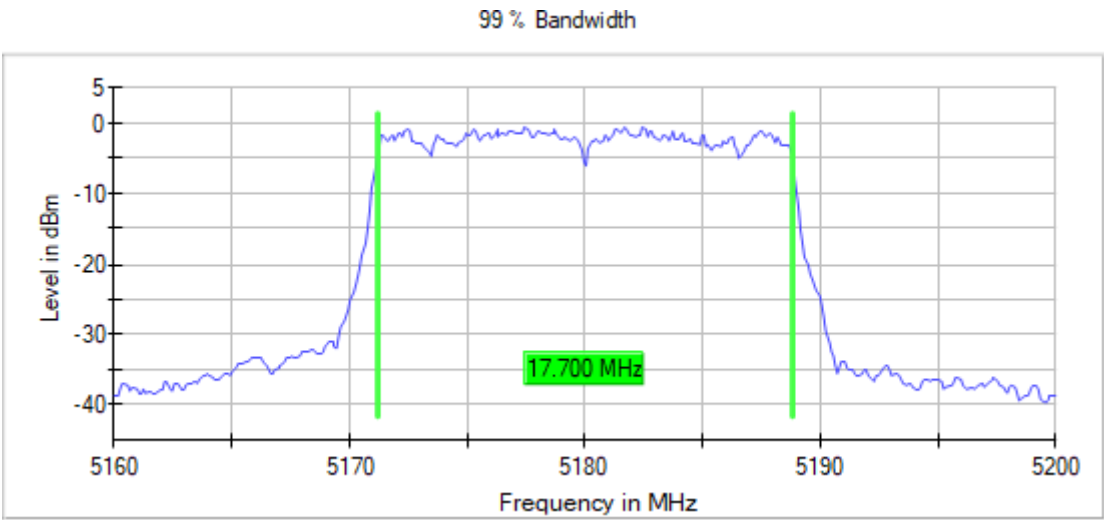
Verdict

Pass

Attachments

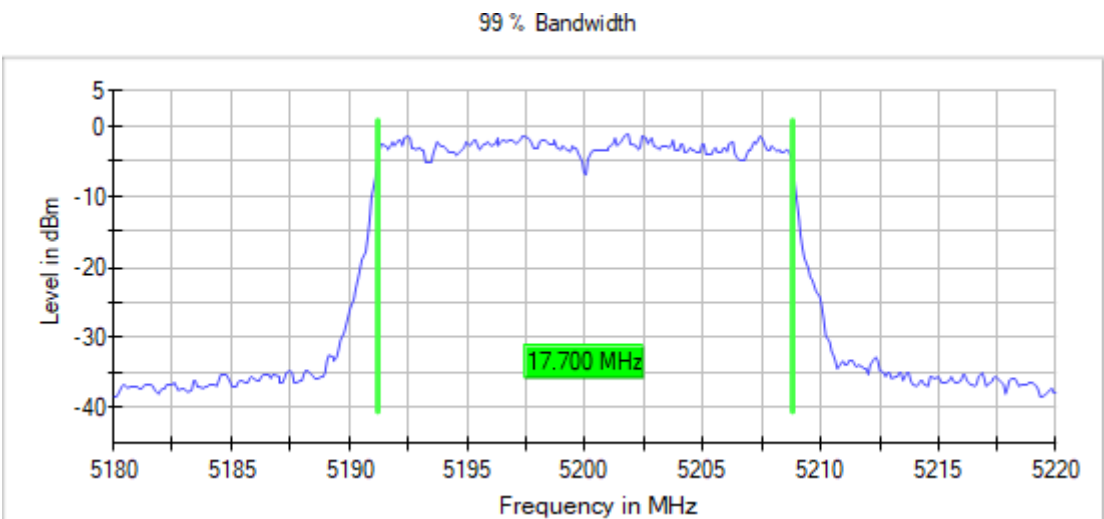
Frequency MHz = 5180.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



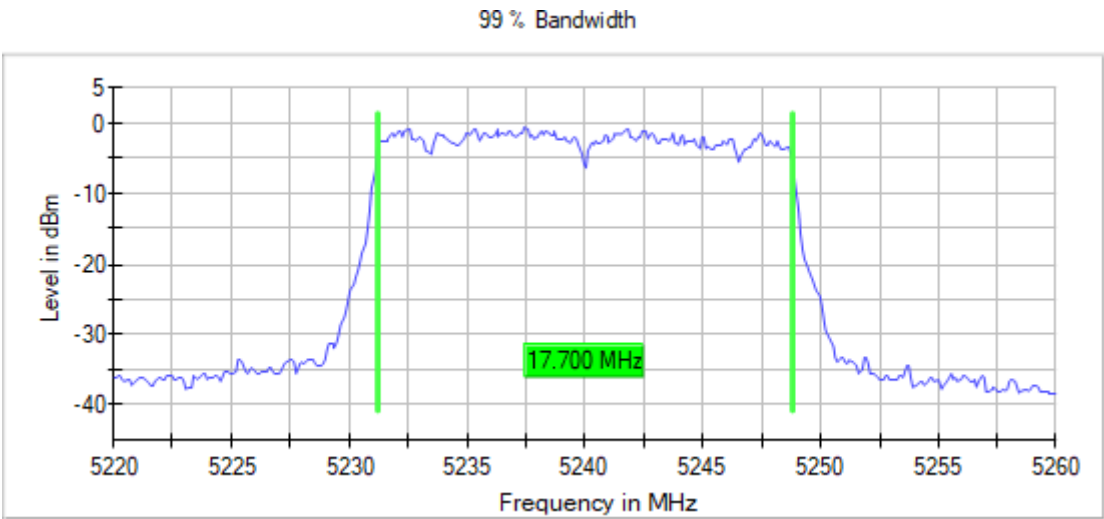
Frequency MHz = 5200.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



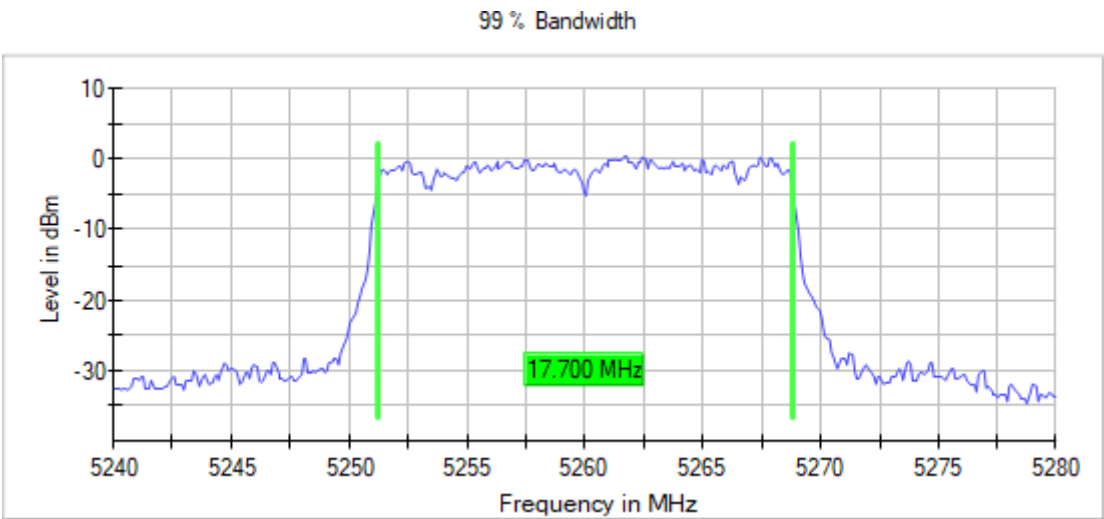
Frequency MHz = 5240.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



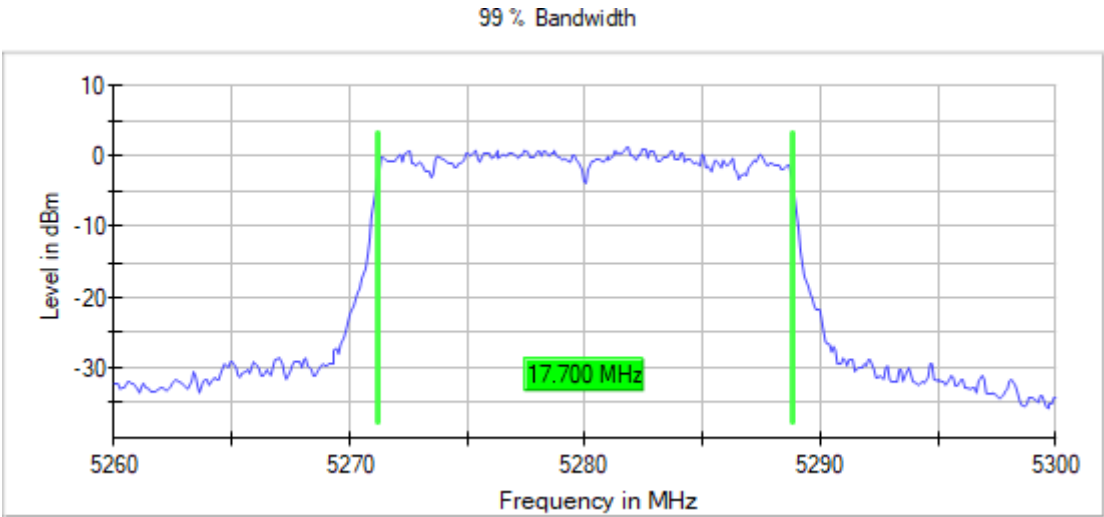
Frequency MHz = 5260.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



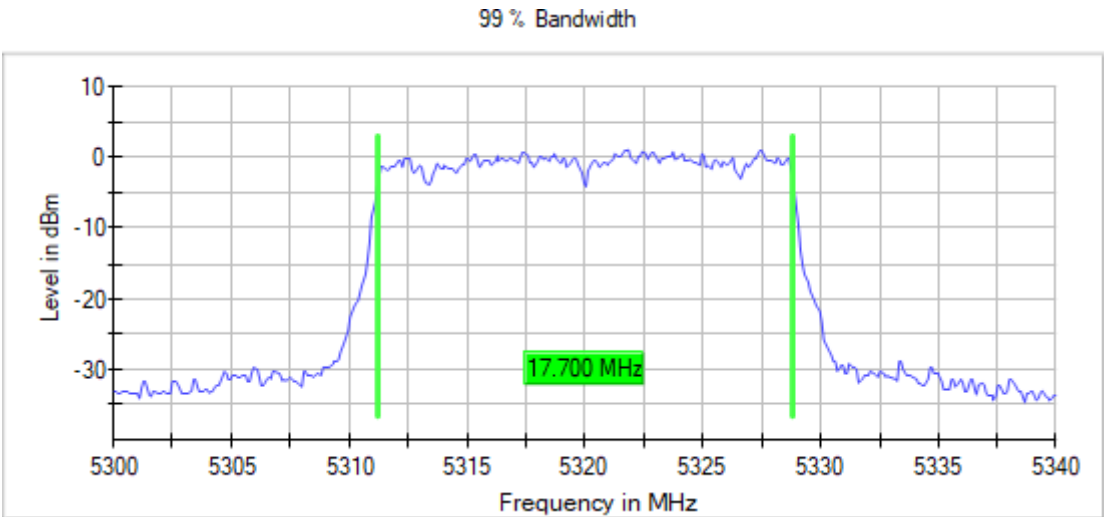
Frequency MHz = 5280.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



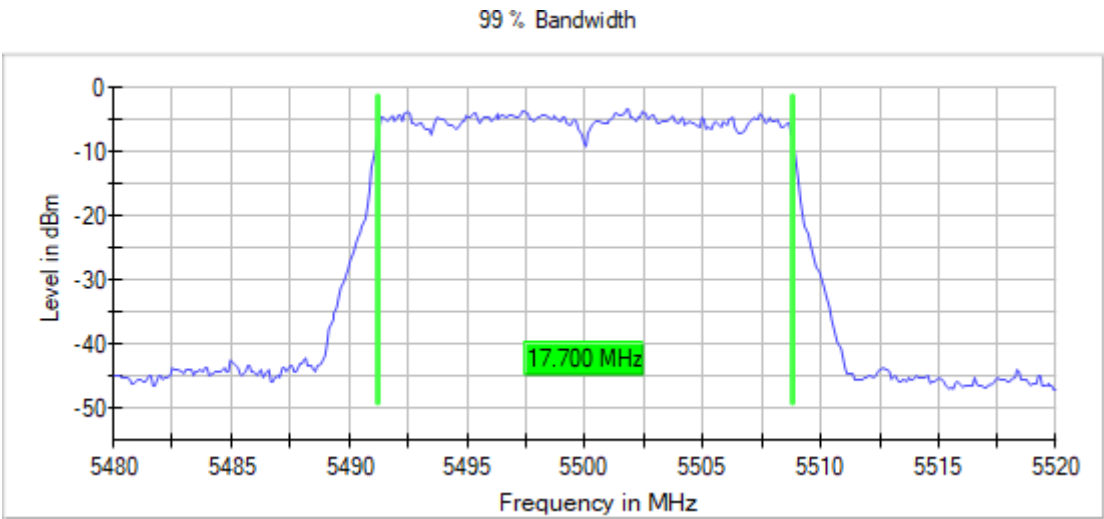
Frequency MHz = 5320.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



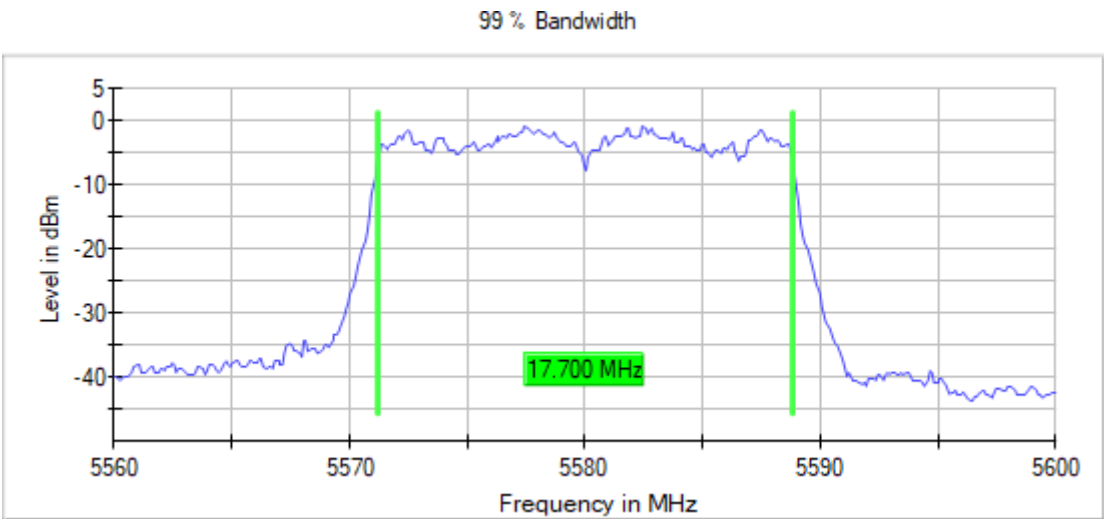
Frequency MHz = 5500.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



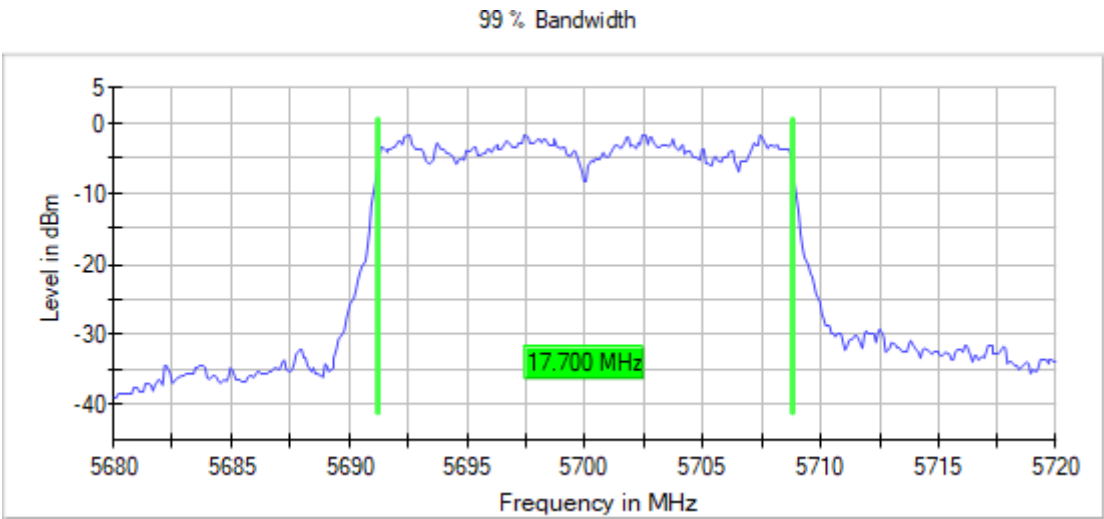
Frequency MHz = 5580.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



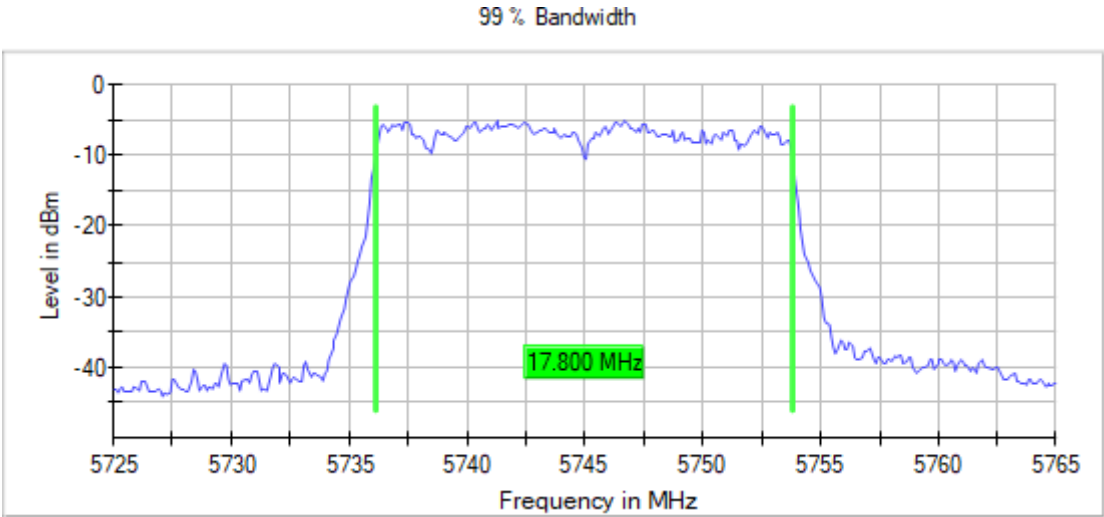
Frequency MHz = 5700.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



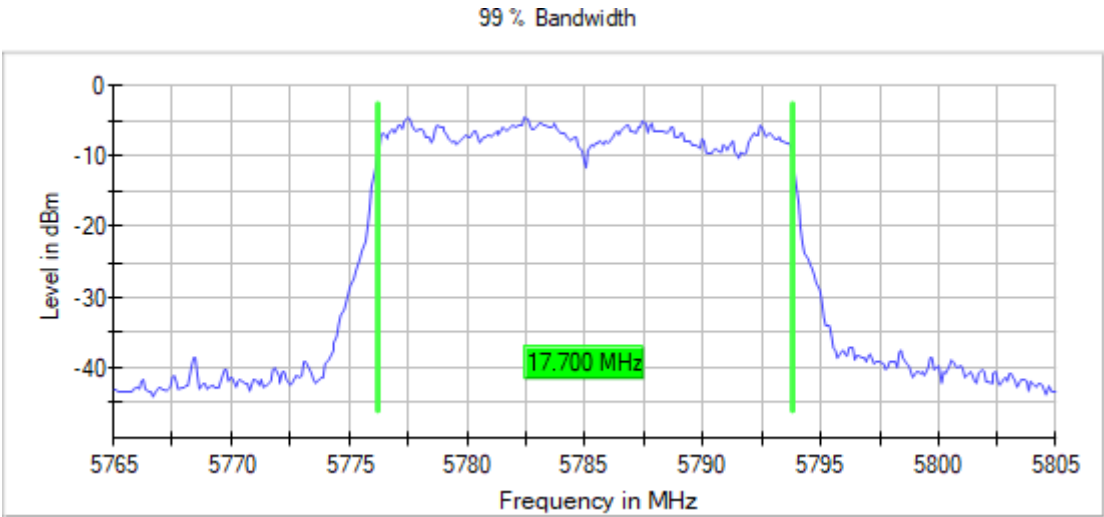
Frequency MHz = 5745.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



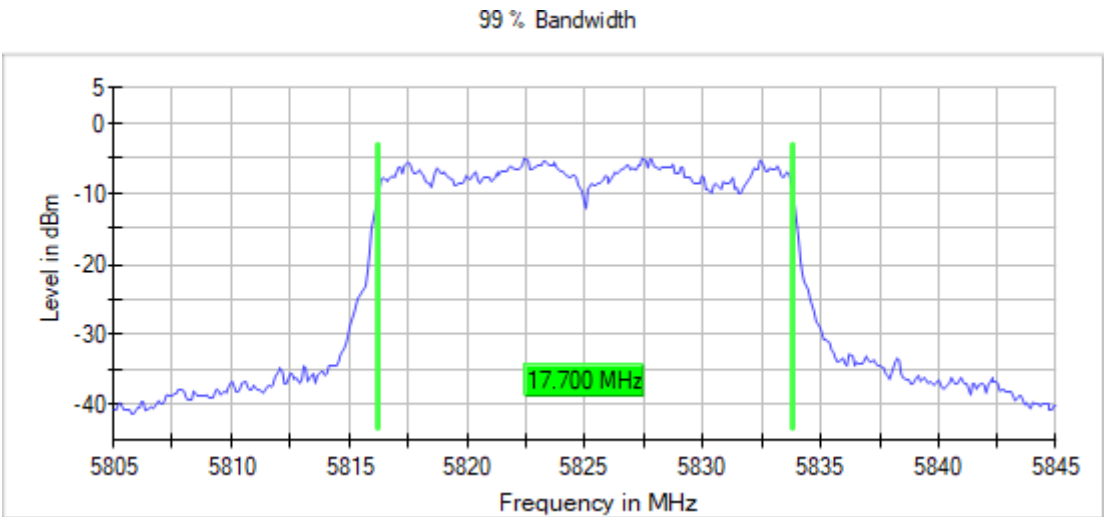
Frequency MHz = 5785.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ac VHT20 (OFDM MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11ac VHT40 (OFDM MCS9)

Results

Freq (MHz)	Occ Ch BW (MHz)
5190.00000	36.500
5230.00000	36.250
5270.00000	36.250
5310.00000	36.250
5510.00000	36.250
5550.00000	36.500
5670.00000	36.250
5755.00000	36.250
5795.00000	36.250

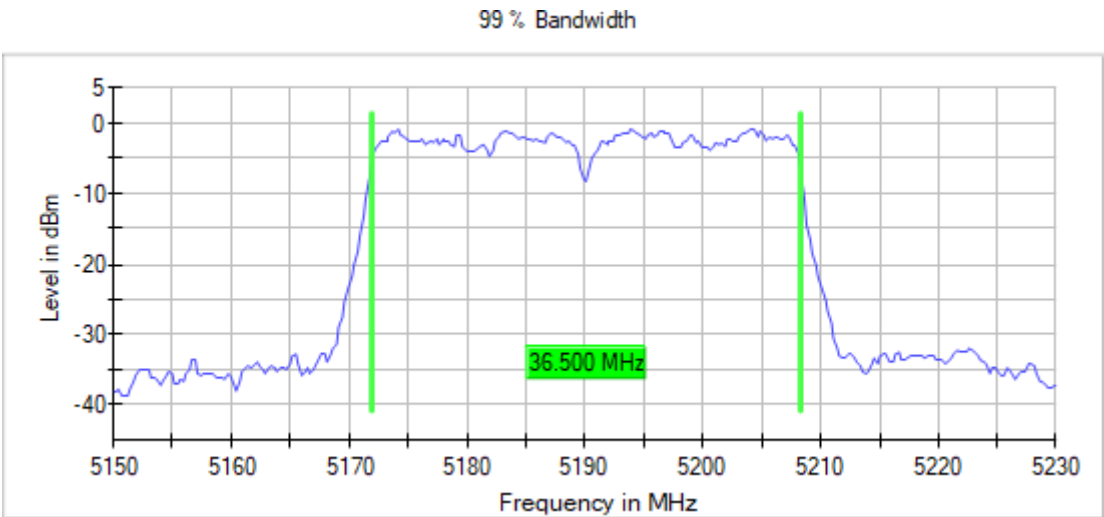
Verdict

Pass

Attachments

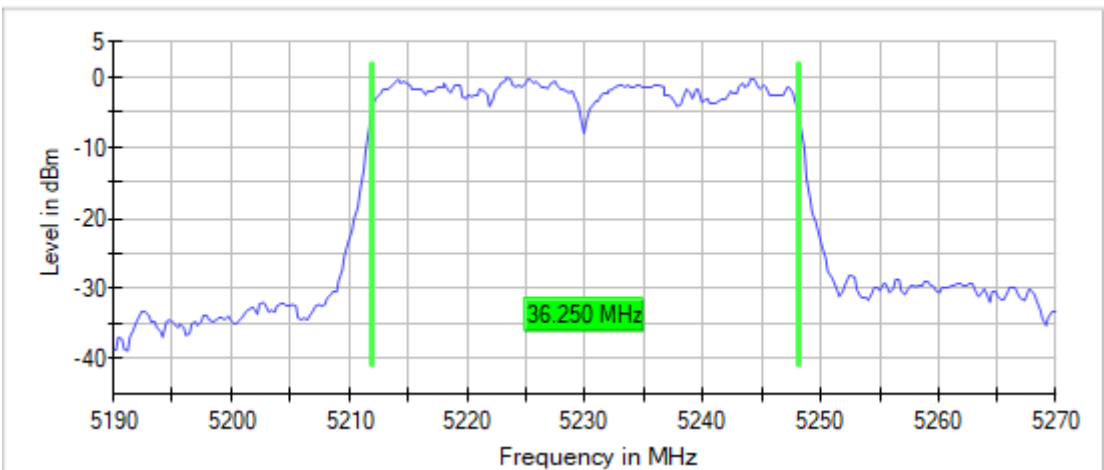
Frequency MHz = 5190.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



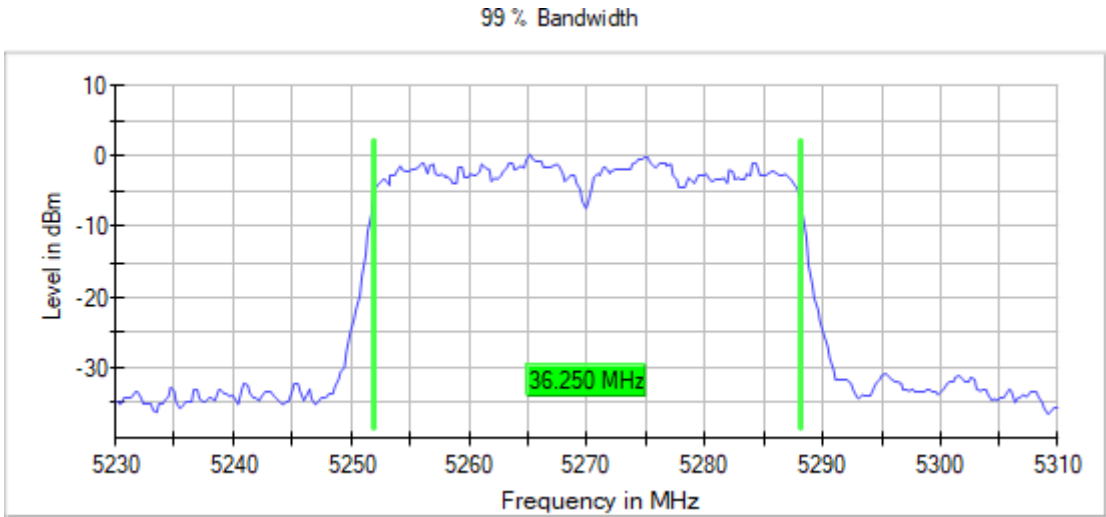
Frequency MHz = 5230.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



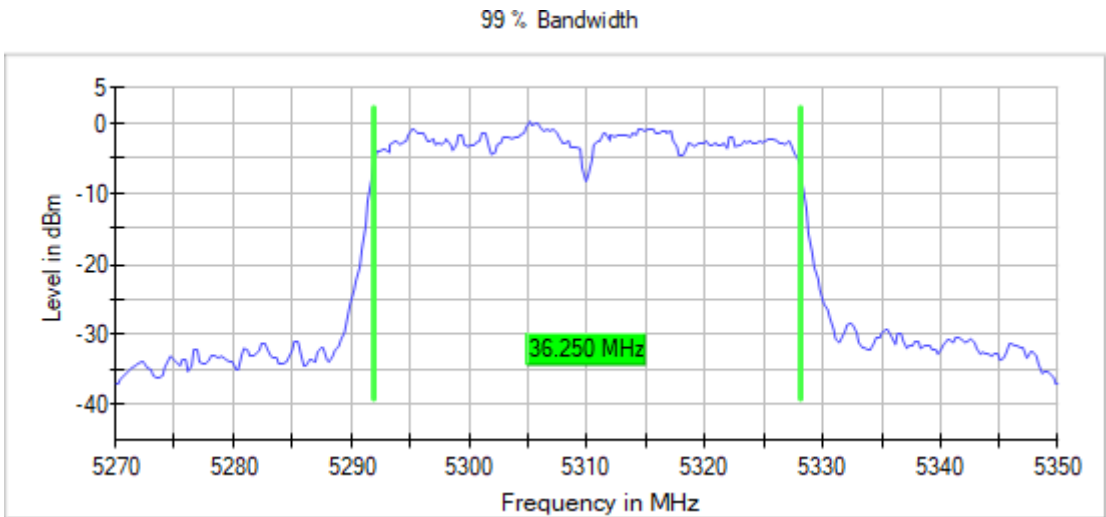
Frequency MHz = 5270.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



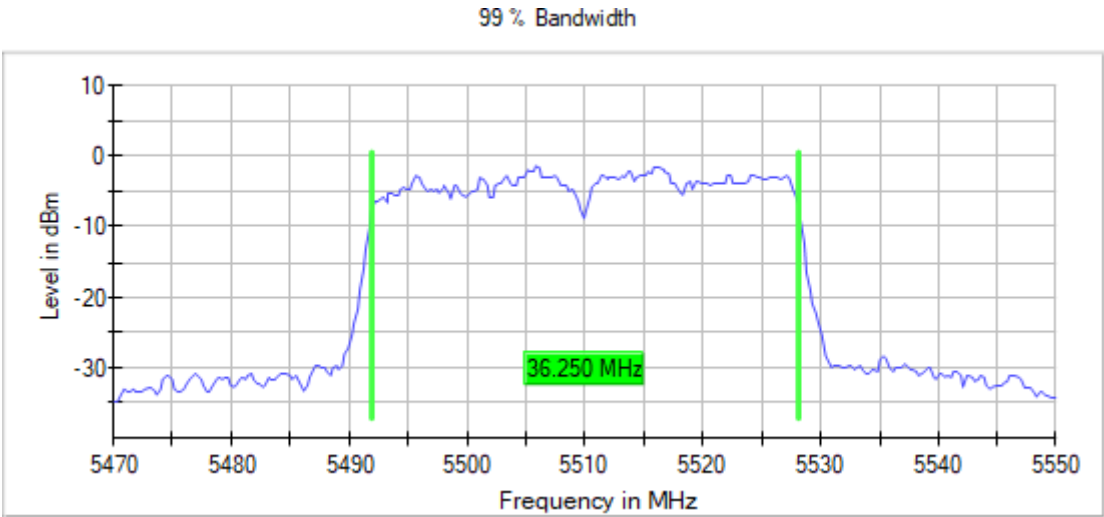
Frequency MHz = 5310.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



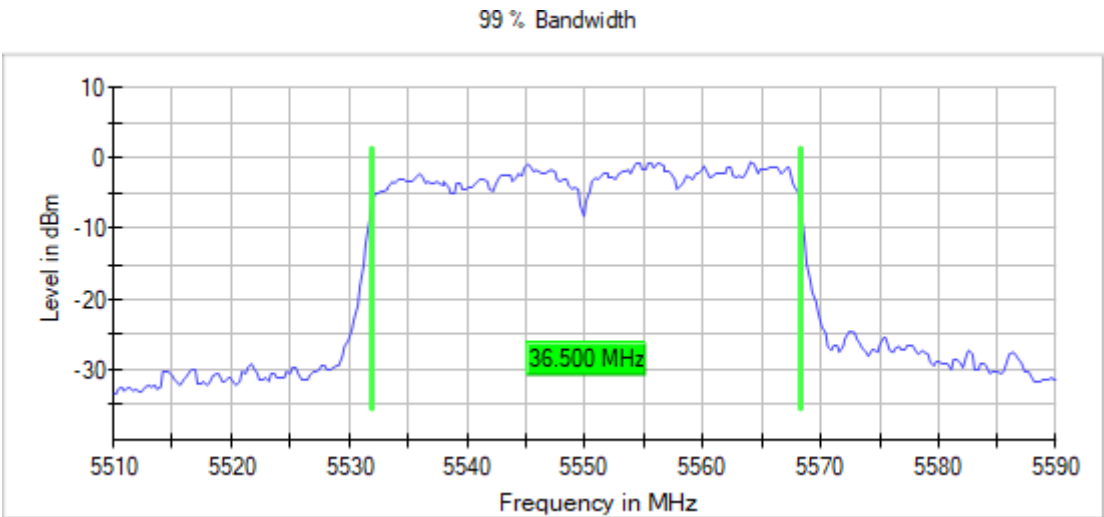
Frequency MHz = 5510.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



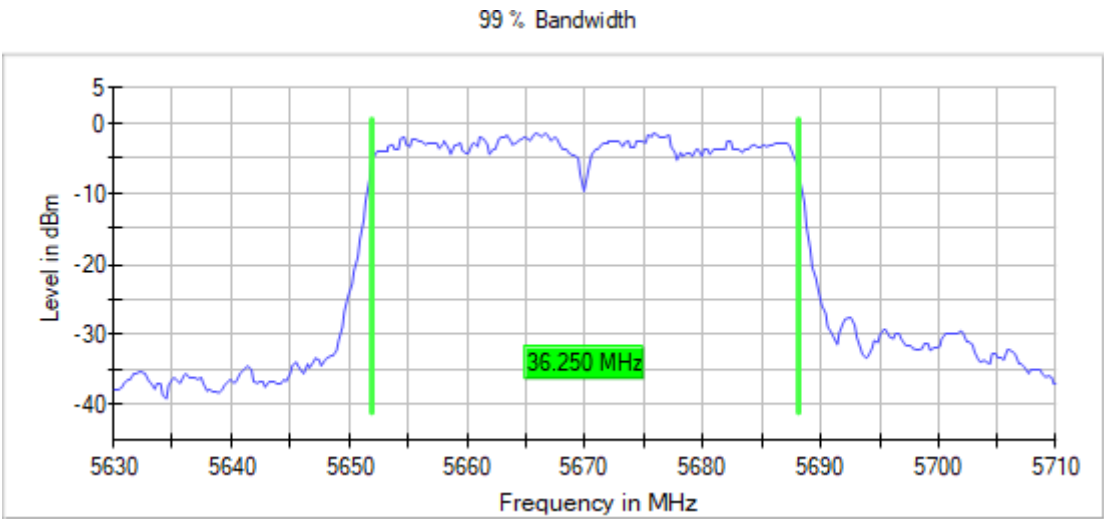
Frequency MHz = 5550.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



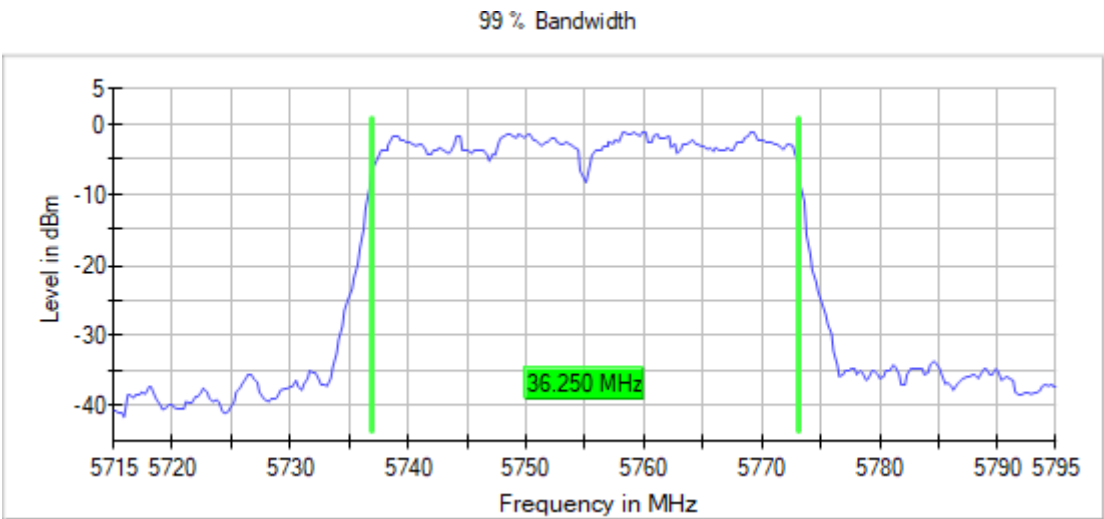
Frequency MHz = 5670.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



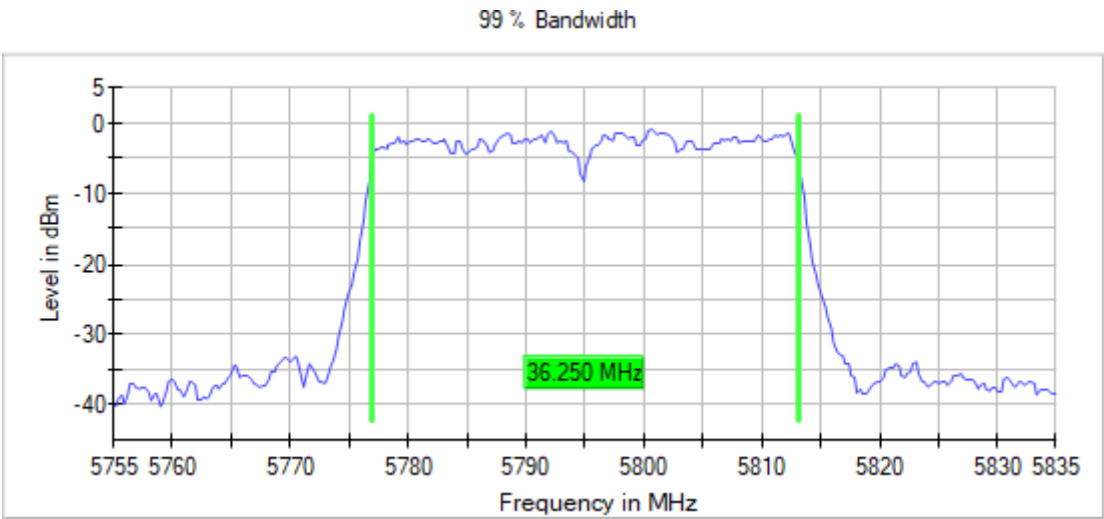
Frequency MHz = 5755.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ac VHT40 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11ac VHT80 SS1 (OFDM MCS9)

Results

Freq (MHz)	Occ Ch BW (MHz)
5210.00000	77.000
5290.00000	76.500
5530.00000	77.000
5610.00000	77.000
5775.00000	76.500

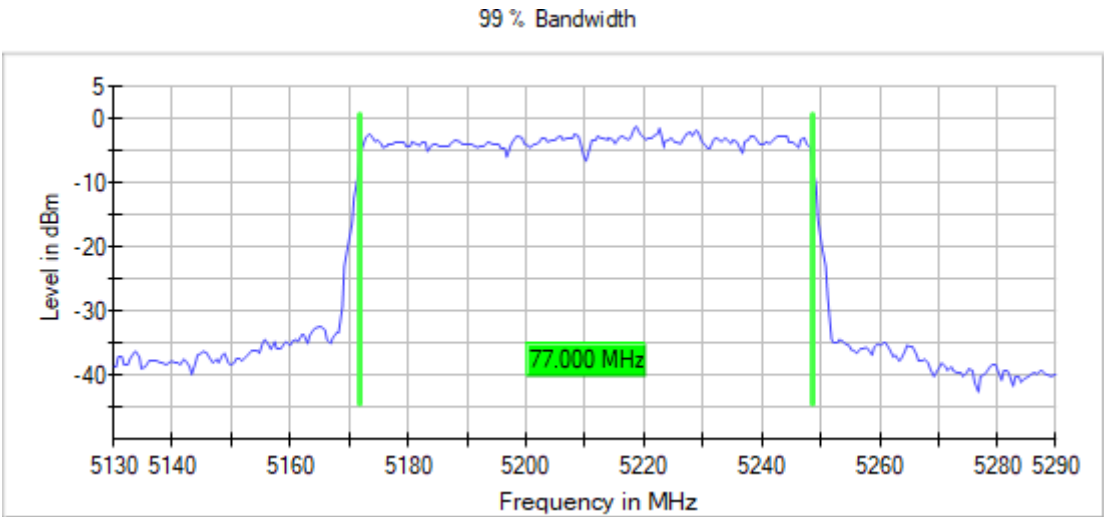
Verdict

Pass

Attachments

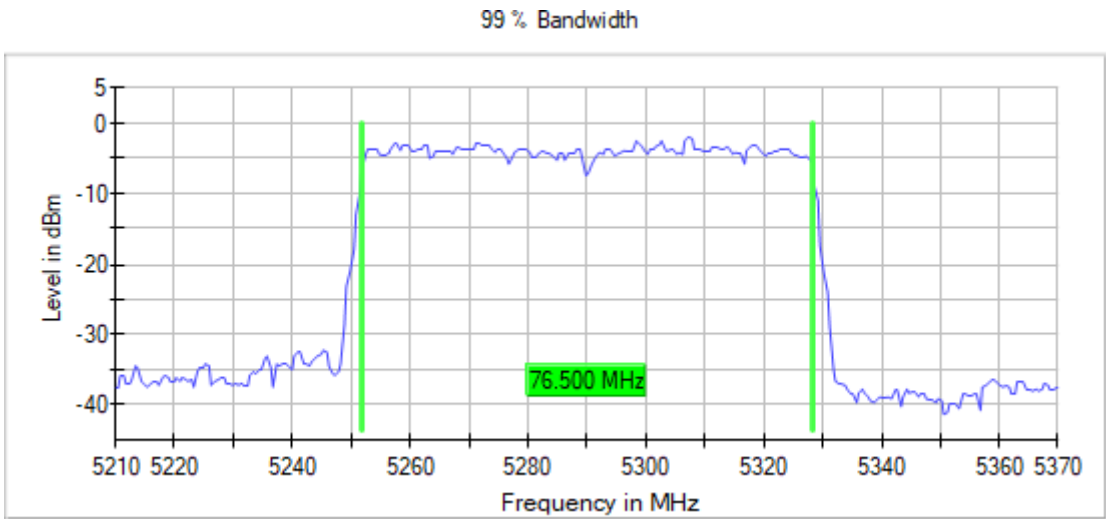
Frequency MHz = 5210.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



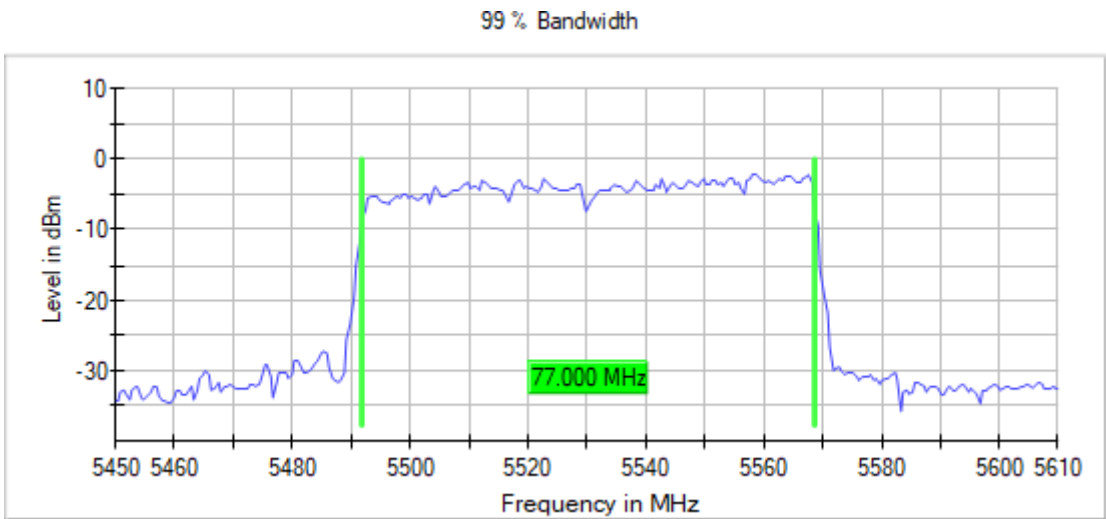
Frequency MHz = 5290.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



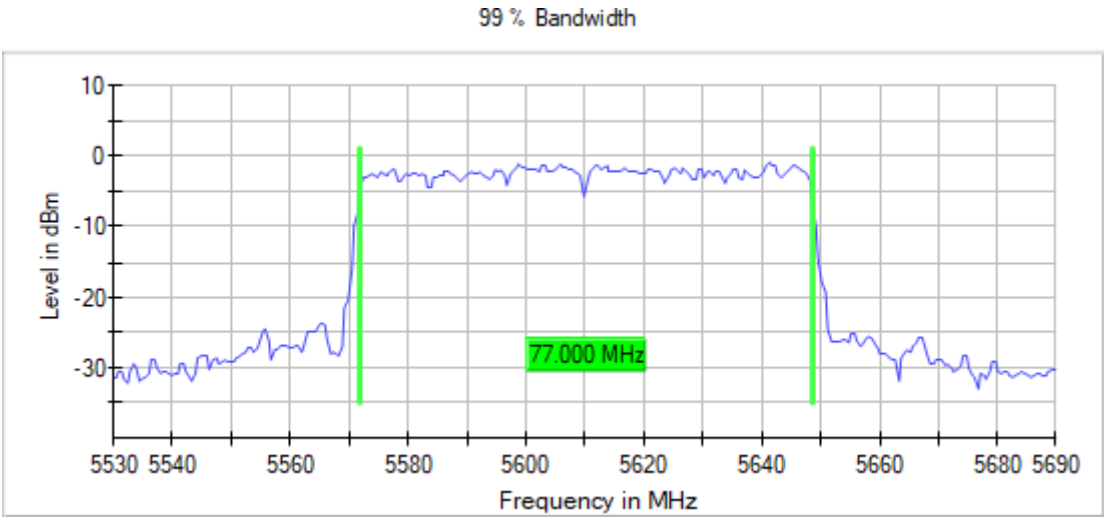
Frequency MHz = 5530.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



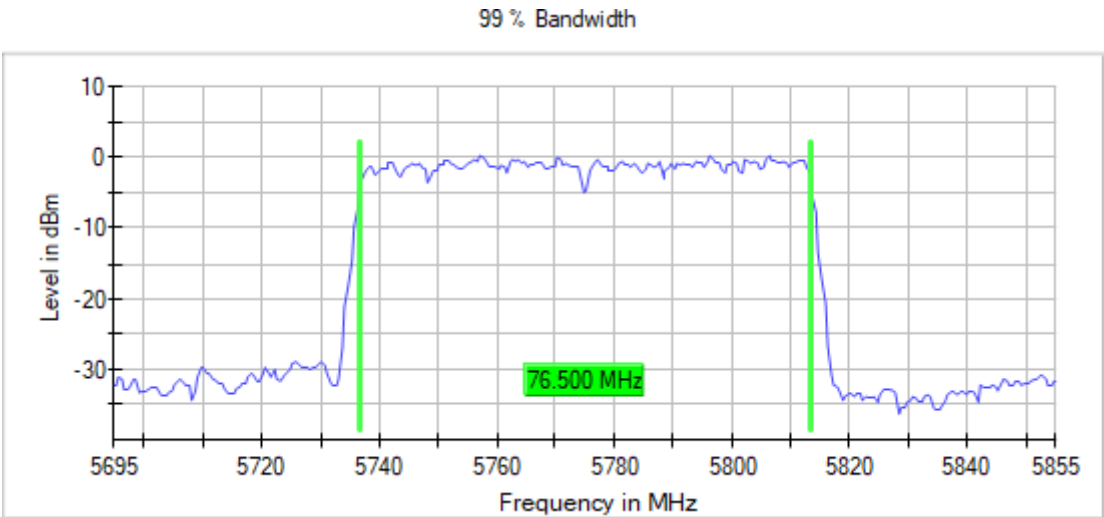
Frequency MHz = 5610.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



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

Results

Freq (MHz)	Occ Ch BW (MHz)
5180.00000	18.800
5200.00000	18.800
5240.00000	18.800
5260.00000	18.900
5280.00000	18.800
5320.00000	18.900
5500.00000	18.900
5580.00000	18.900
5700.00000	18.900
5745.00000	18.800
5785.00000	18.900
5825.00000	18.900

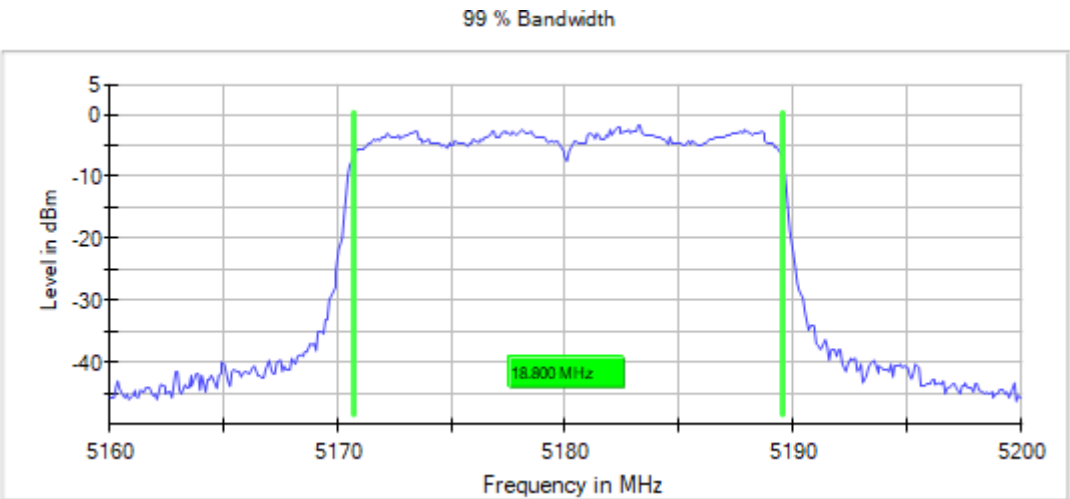
Verdict

Pass

Attachments

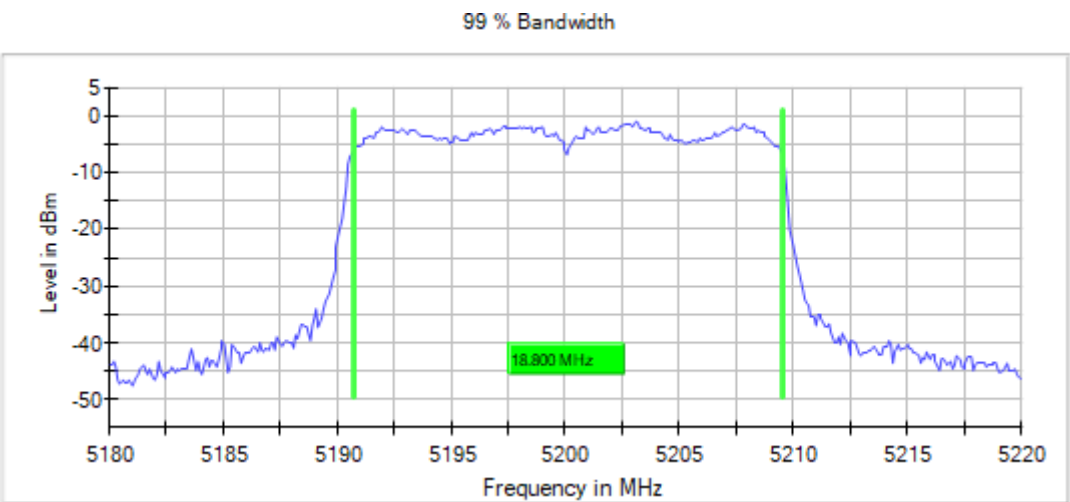
Frequency MHz = 5180.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



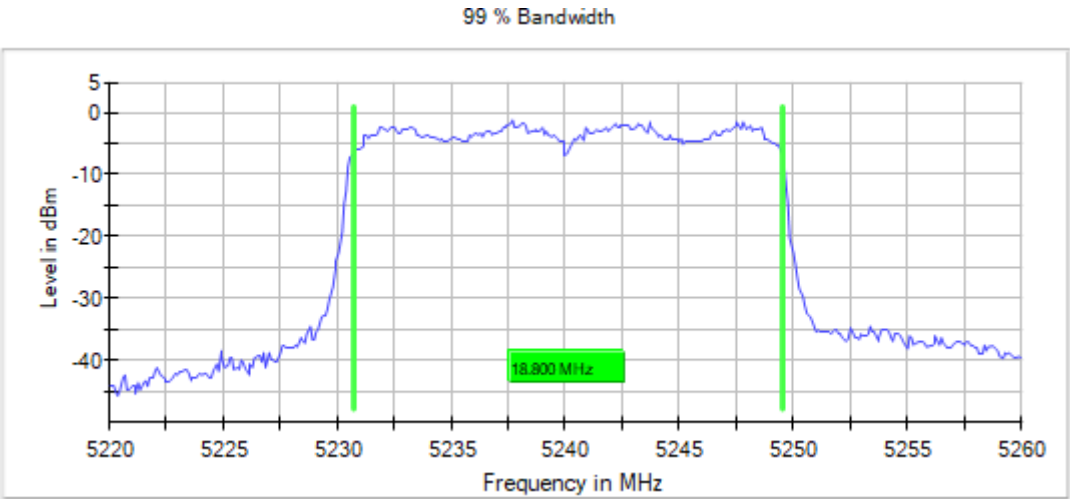
Frequency MHz = 5200.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



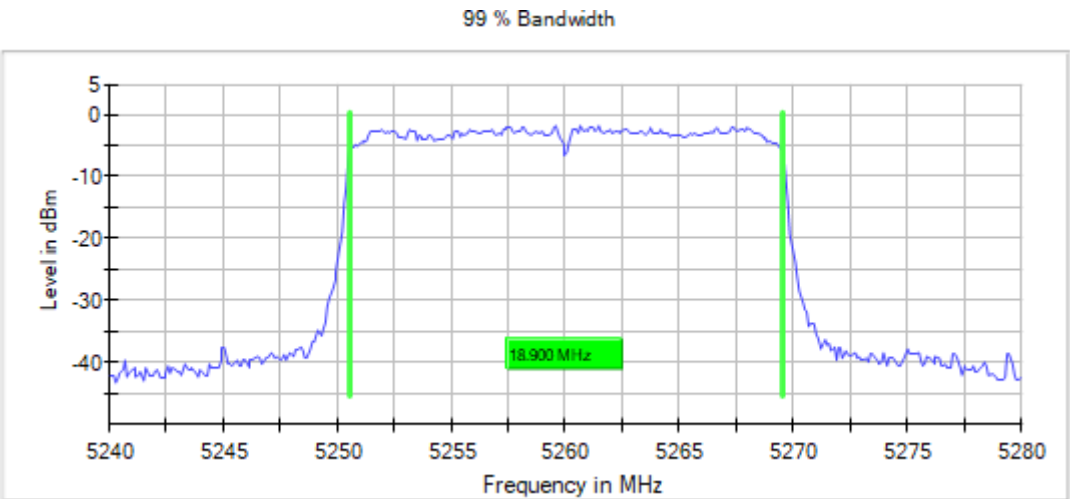
Frequency MHz = 5240.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



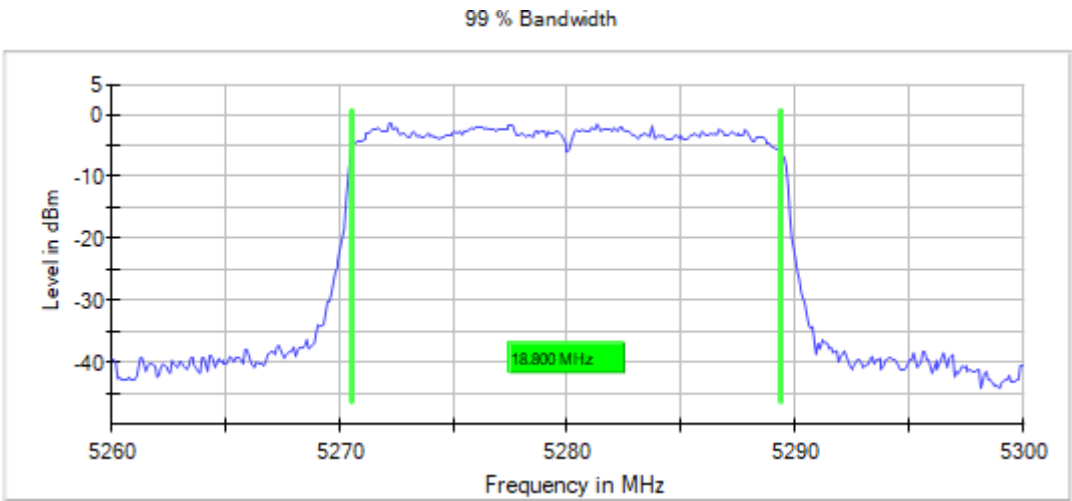
Frequency MHz = 5260.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



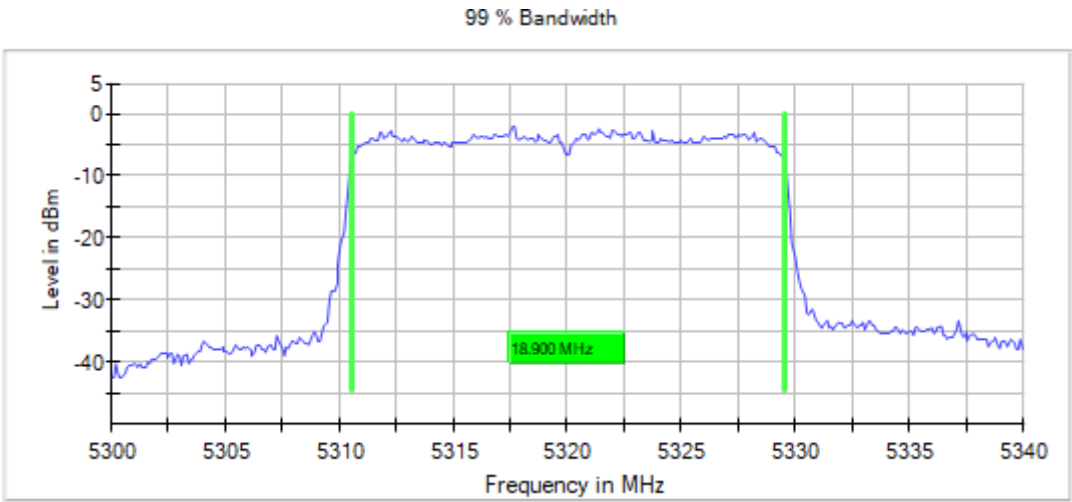
Frequency MHz = 5280.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



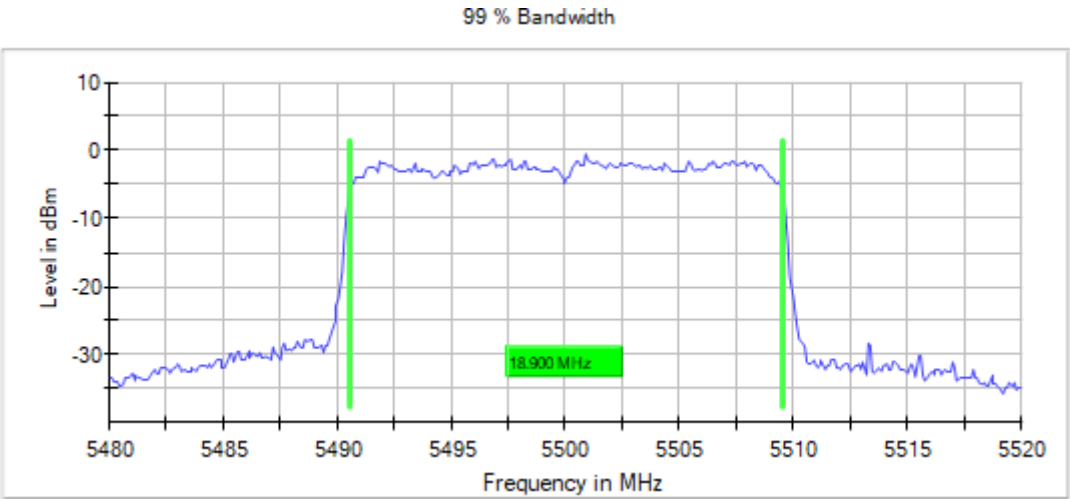
Frequency MHz = 5320.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



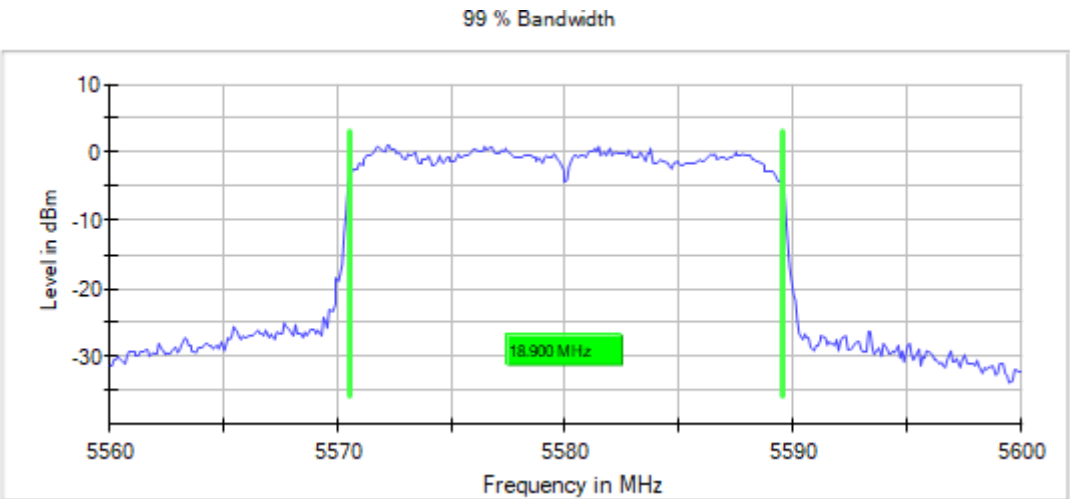
Frequency MHz = 5500.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



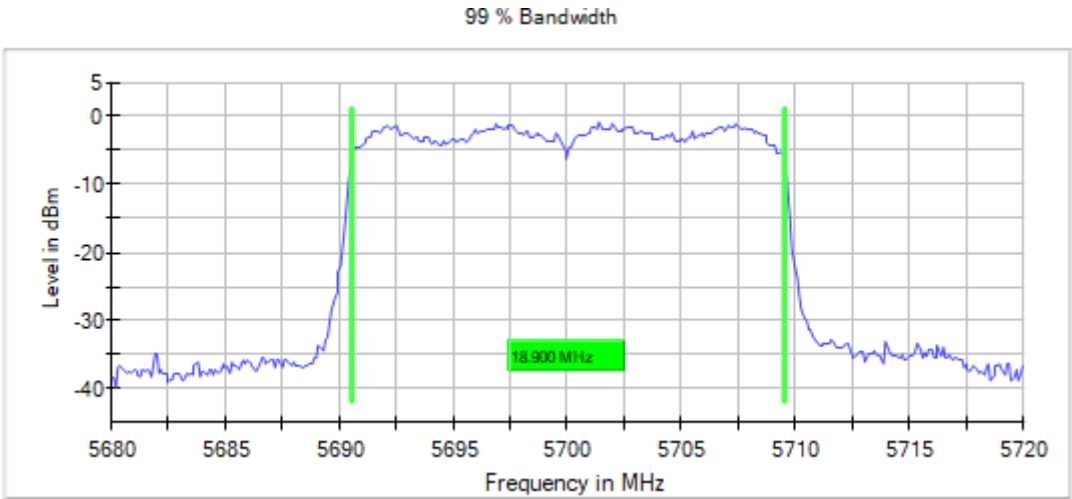
Frequency MHz = 5580.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



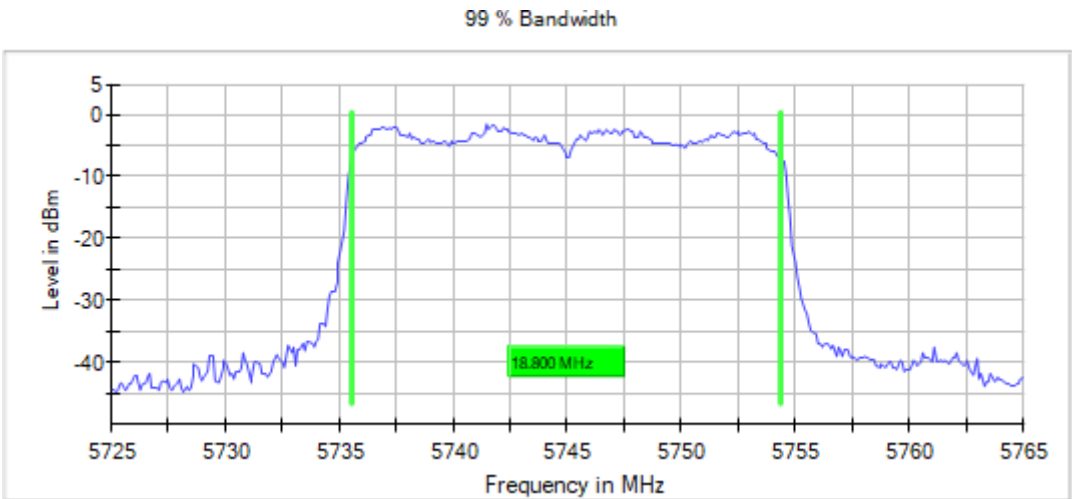
Frequency MHz = 5700.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



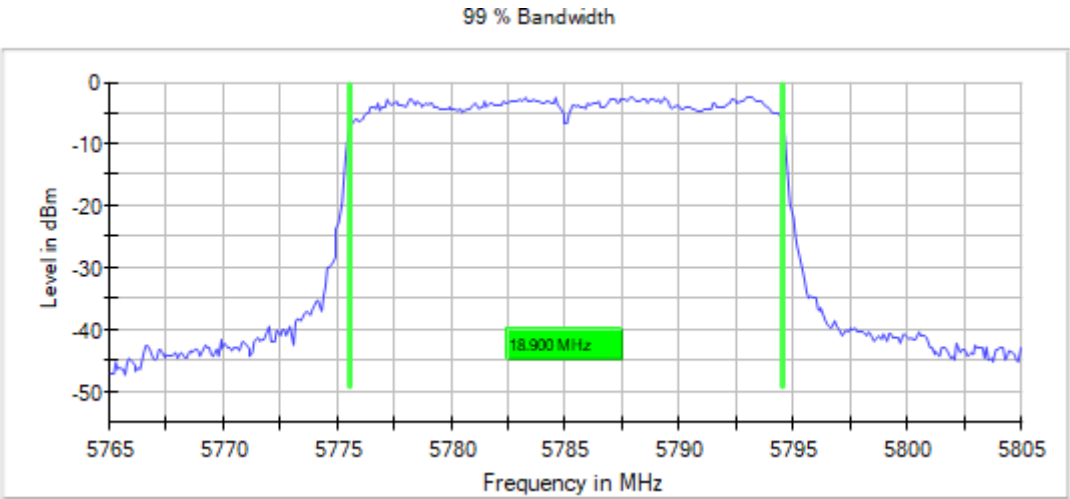
Frequency MHz = 5745.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



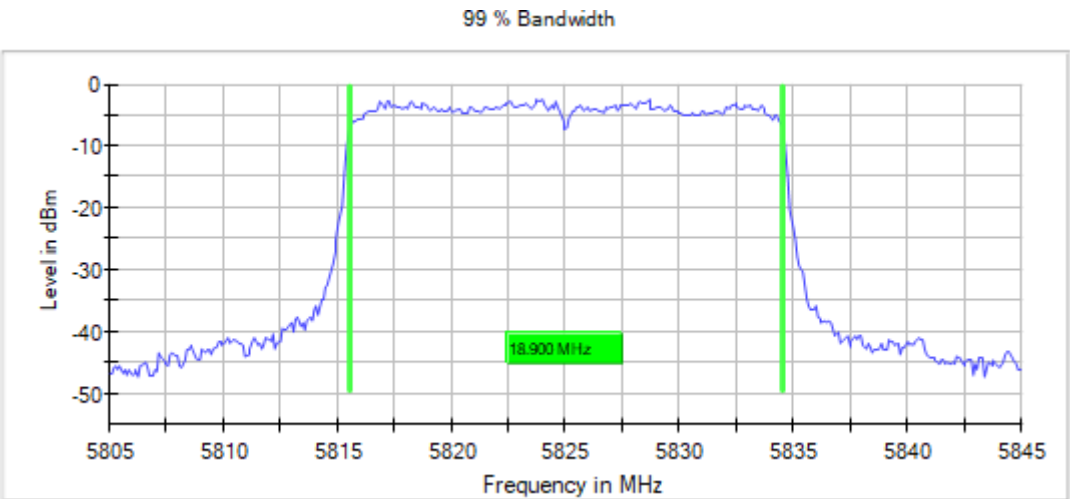
Frequency MHz = 5785.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ax HE20 SS1 (OFDMA MCS8), Mode = MIMO , Number of Transmission Chains = 2

Images:



Modulation: 802.11ax HE20 SS2 (OFDMA MCS8) – Partial RU

Results

Freq (MHz)	Occ Ch BW (MHz)
5180.00000	18.100
5200.00000	18.200
5240.00000	18.100
5260.00000	18.100
5280.00000	17.900
5320.00000	18.100
5500.00000	18.200
5580.00000	18.200
5700.00000	18.100
5745.00000	18.200
5785.00000	18.100
5825.00000	18.200

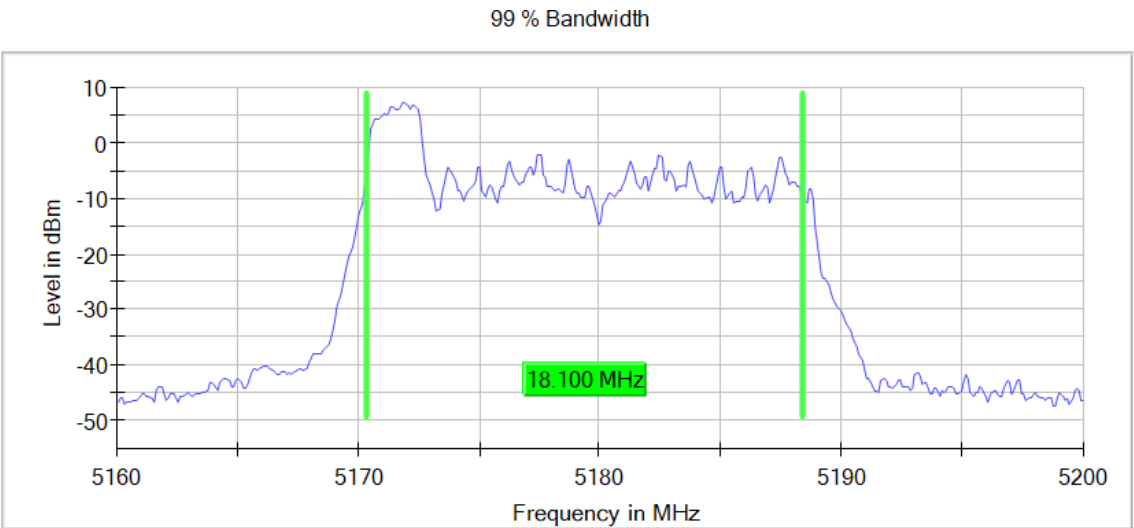
Verdict

Pass

Attachments

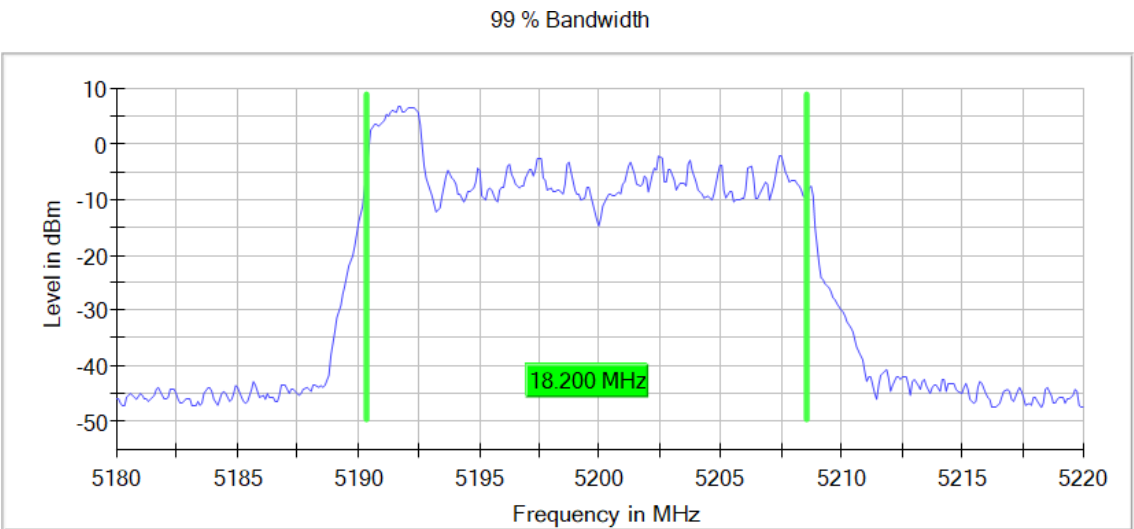
Frequency MHz = 5180.00000 Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)
Mode = MIMO CCD Mode 2x2 Number of Transmission Chains = 2

Images:



Frequency MHz = 5200.00000 Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)
Mode = MIMO CCD Mode 2x2 Number of Transmission Chains = 2

Images:



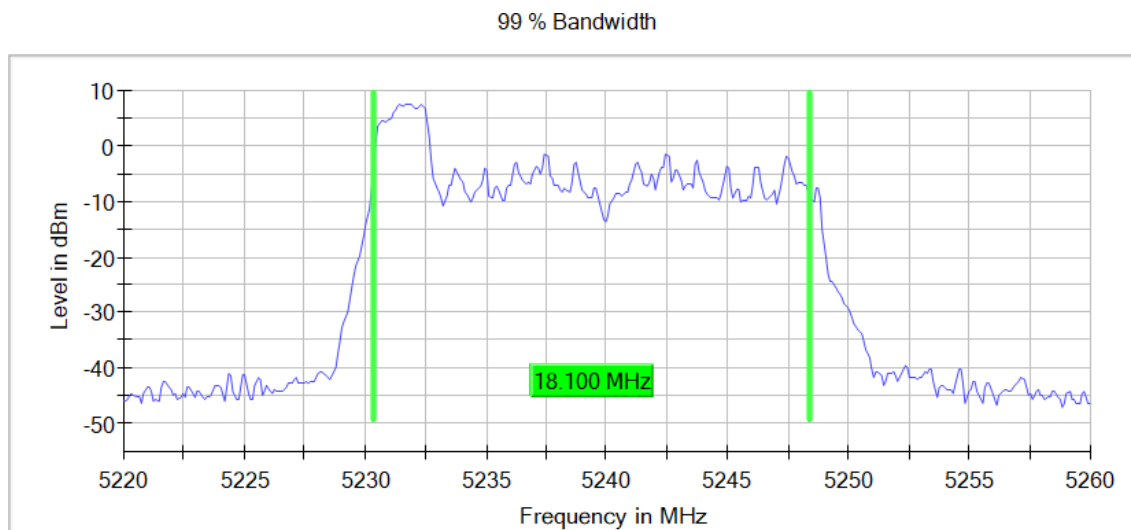
Frequency MHz = 5240.00000

Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



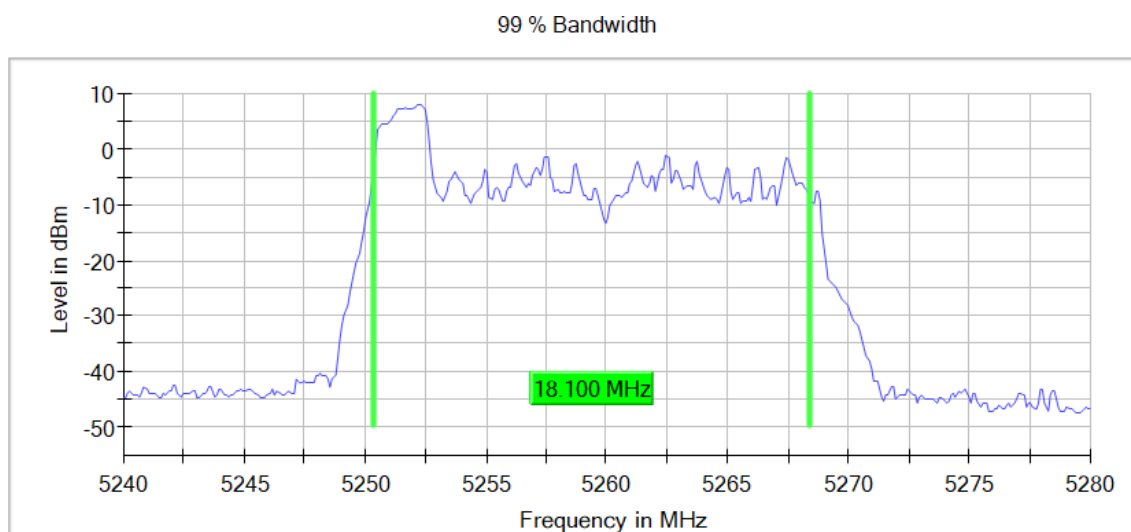
Frequency MHz = 5260.00000

Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



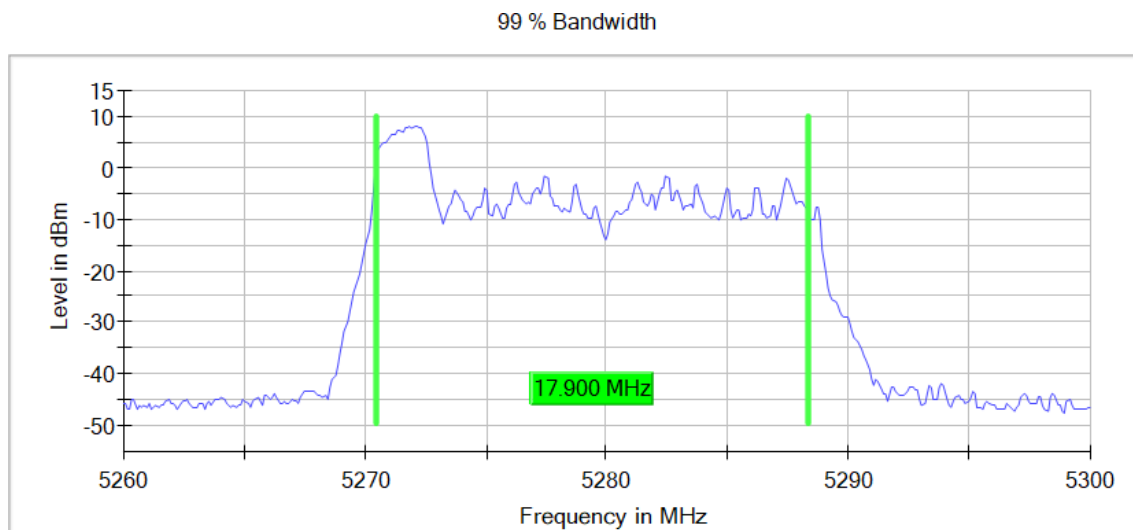
Frequency MHz = 5280.00000

Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



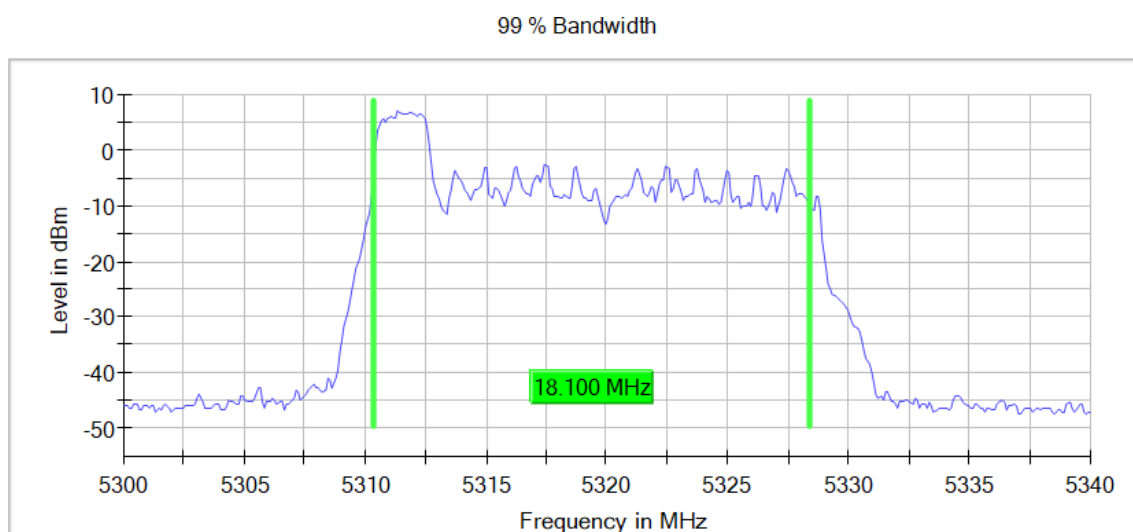
Frequency MHz = 5320.00000

Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Frequency MHz = 5500.00000

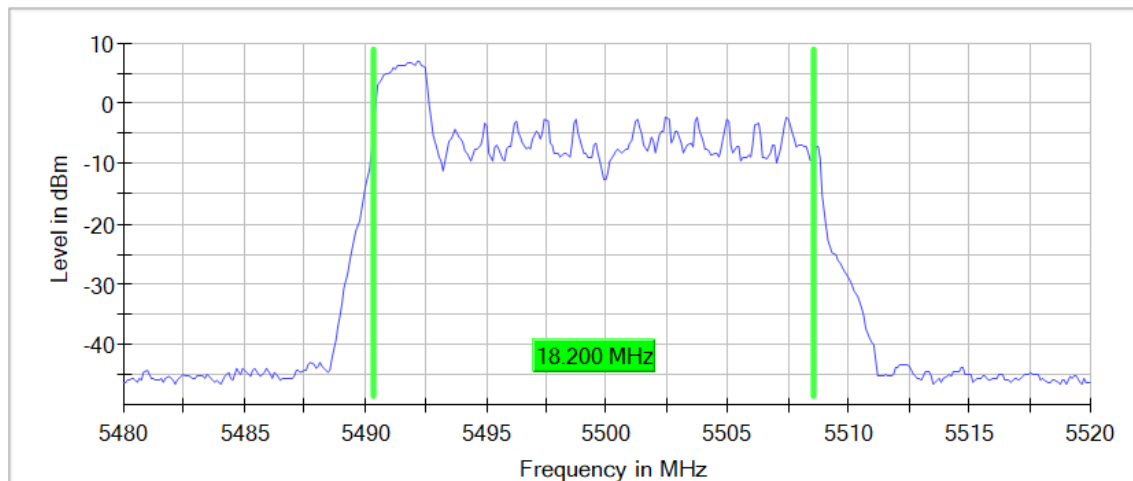
Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:

99 % Bandwidth



Frequency MHz = 5580.00000

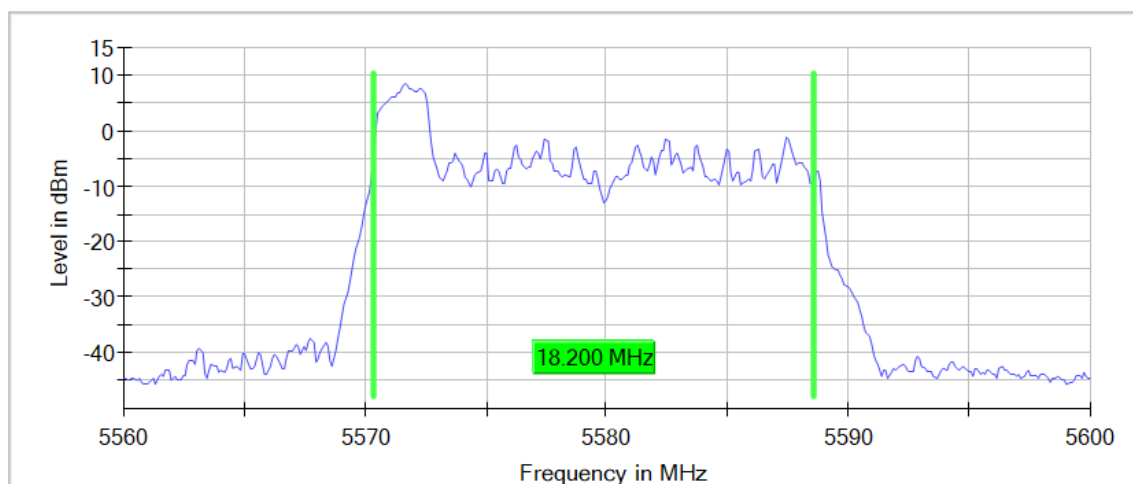
Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:

99 % Bandwidth



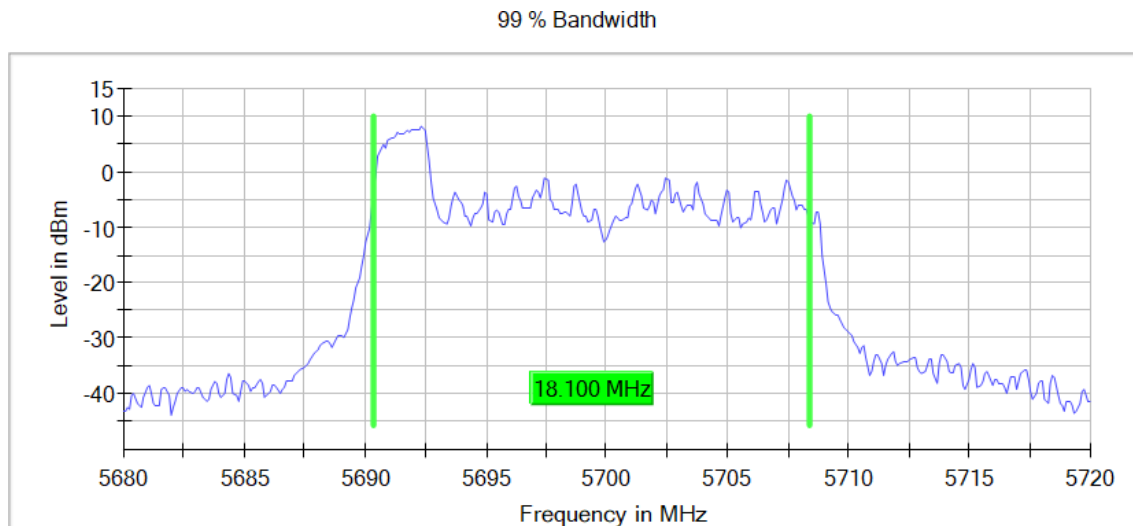
Frequency MHz = 5700.00000

Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



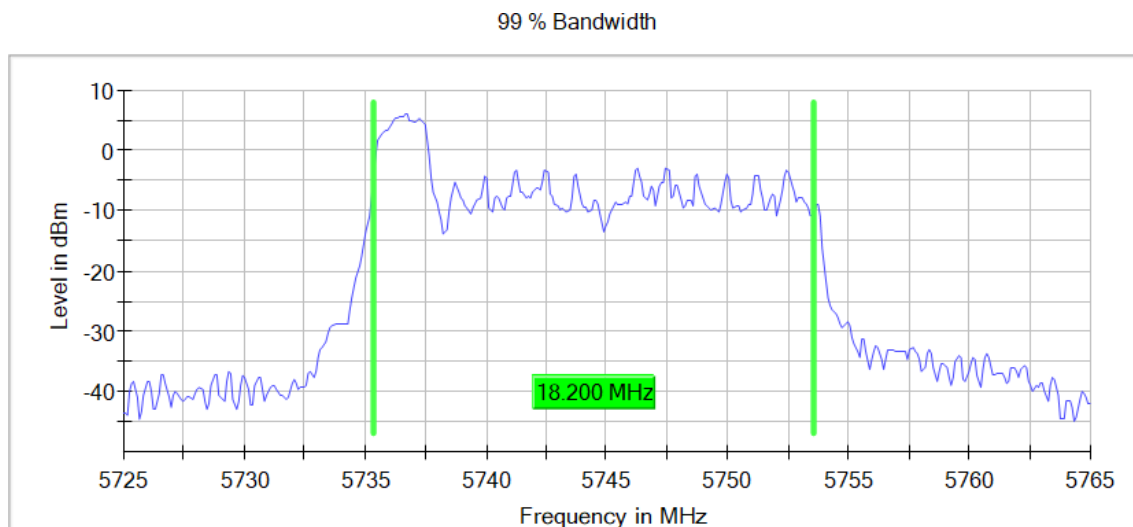
Frequency MHz = 5745.00000

Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



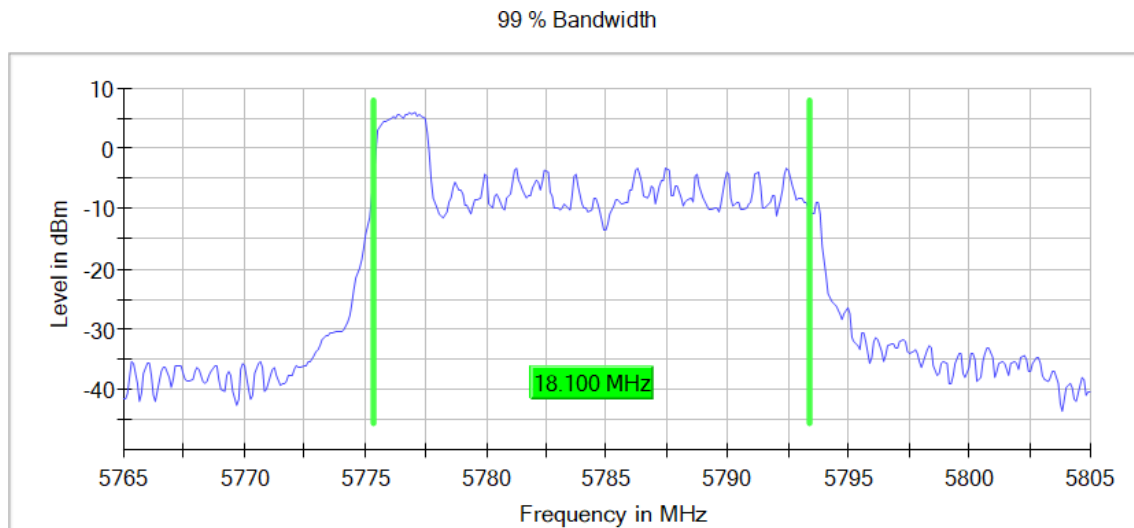
Frequency MHz = 5785.00000

Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



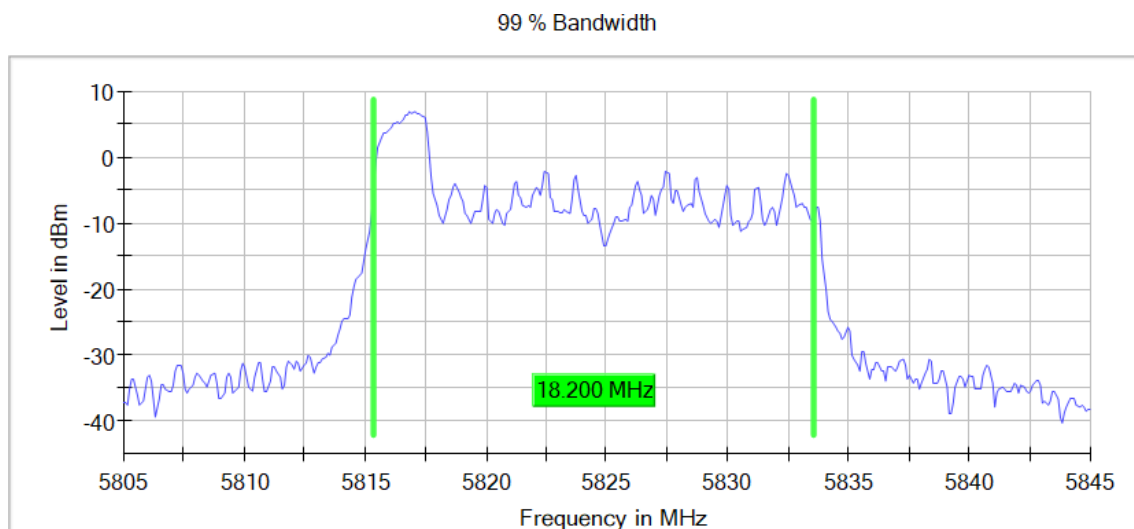
Frequency MHz = 5825.00000

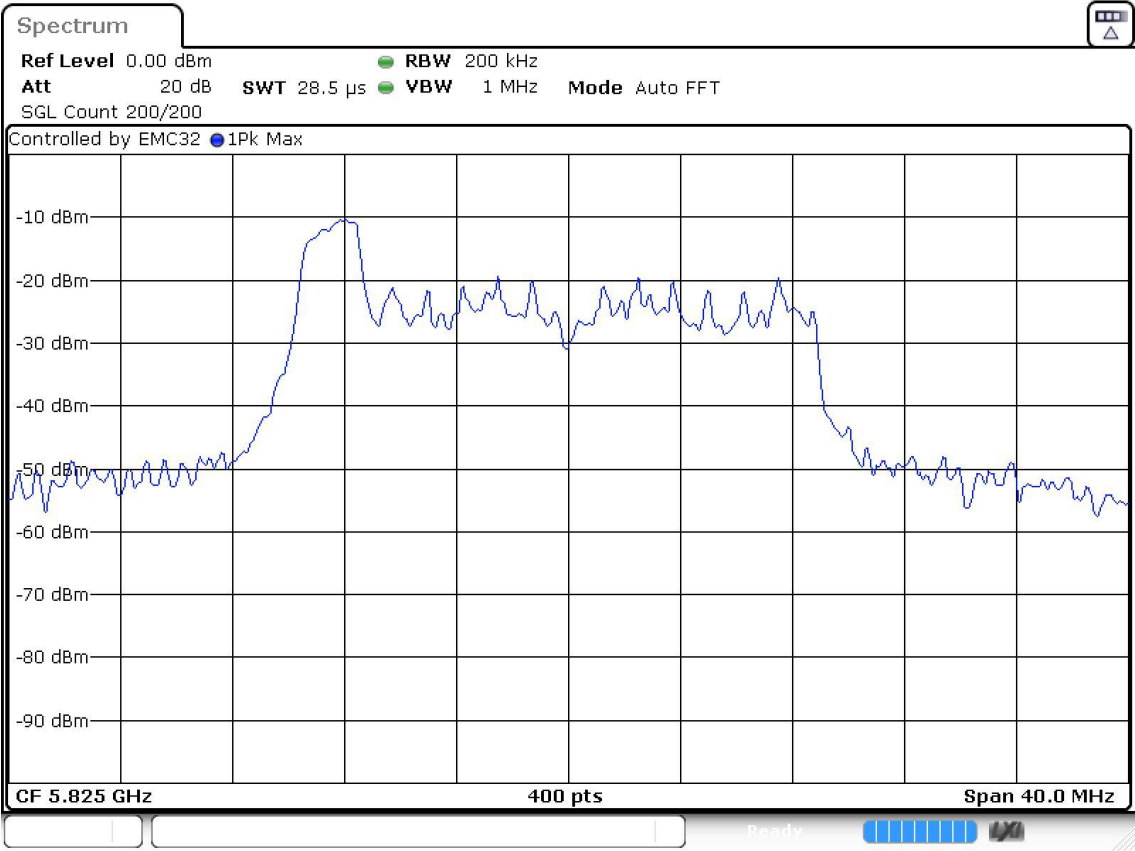
Modulation = 802.11ax HE20 SS2 (OFDMA MCS8)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:





Date: 15.DEC.2022 19:57:15

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

Freq (MHz)	Occ Ch BW (MHz)
5190.00000	37.250
5230.00000	37.250
5270.00000	37.250
5310.00000	37.250
5510.00000	37.500
5550.00000	37.750
5670.00000	37.500
5755.00000	37.250
5795.00000	37.250

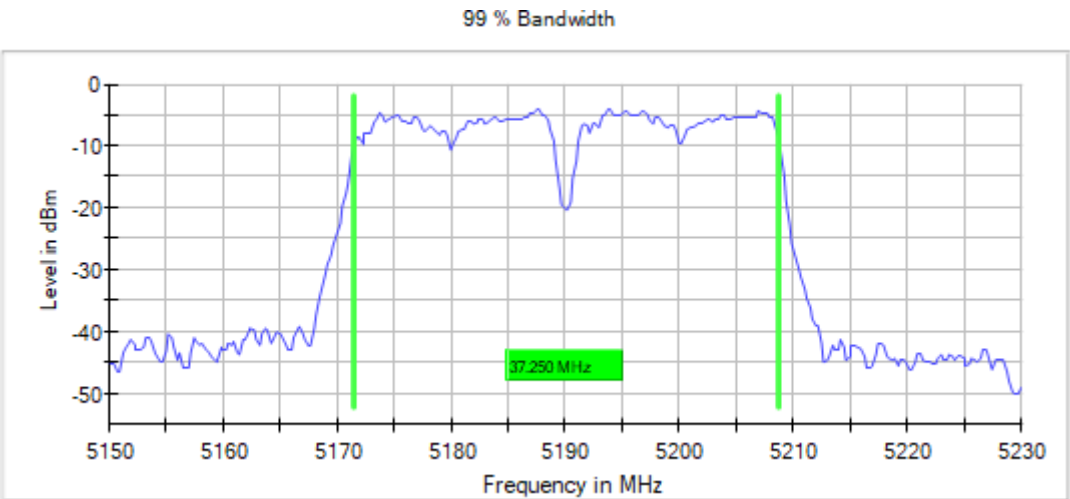
Verdict

Pass

Attachments

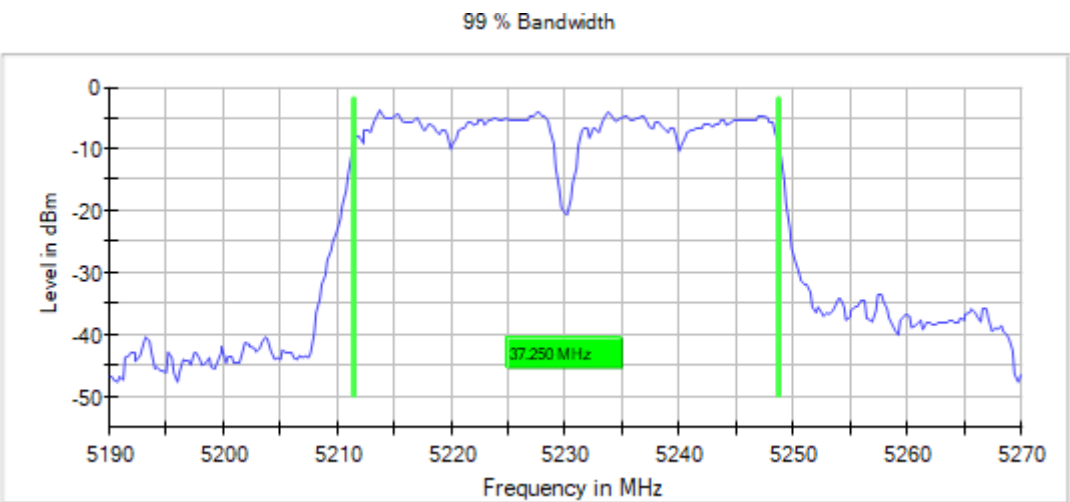
Frequency MHz = 5190.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



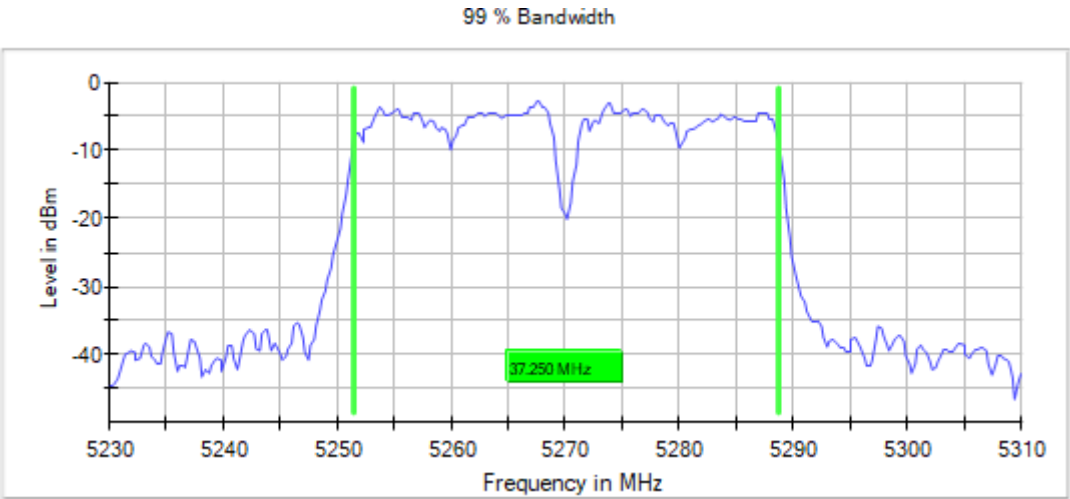
Frequency MHz = 5230.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



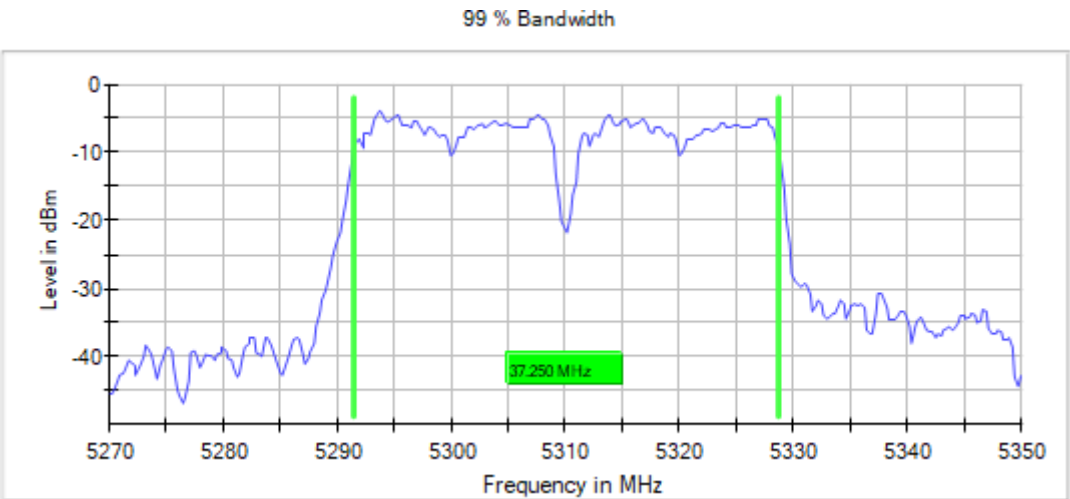
Frequency MHz = 5270.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



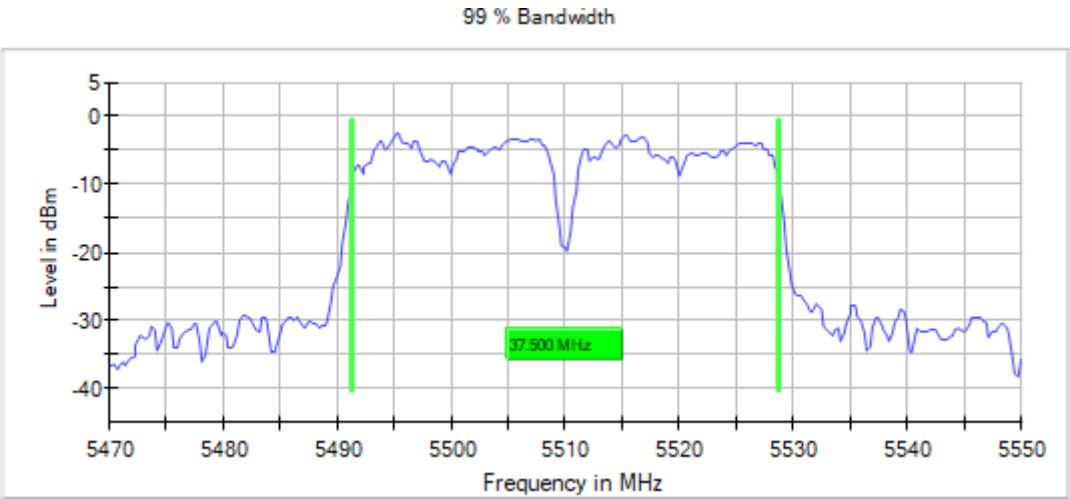
Frequency MHz = 5310.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



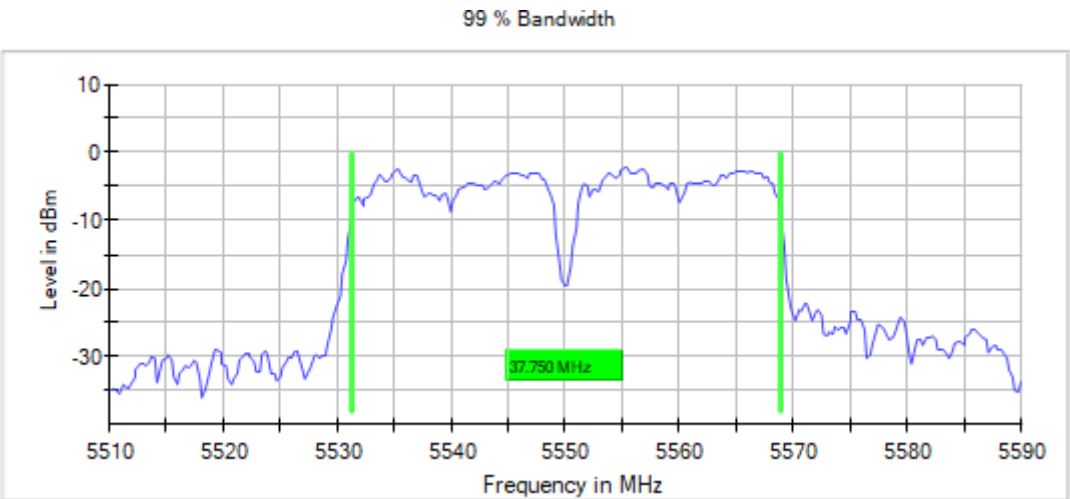
Frequency MHz = 5510.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



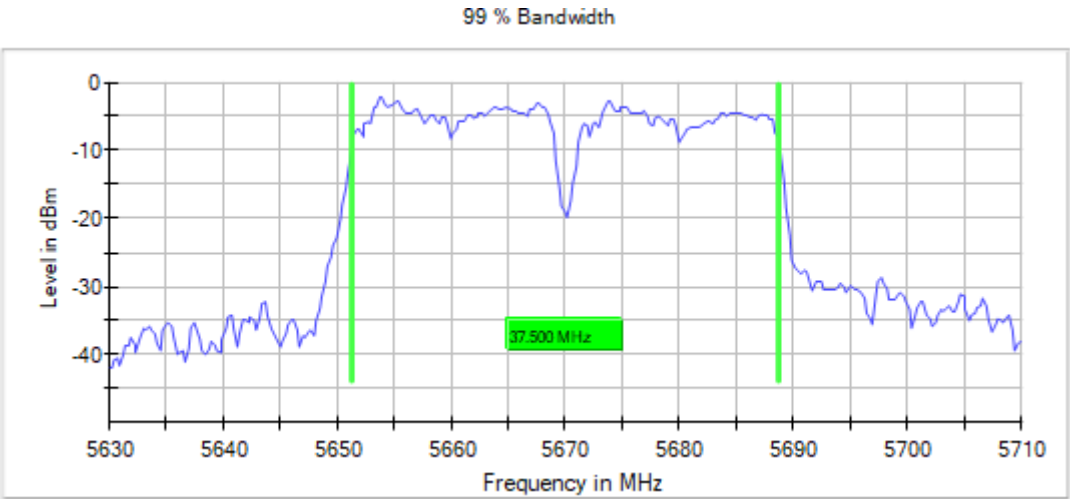
Frequency MHz = 5550.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



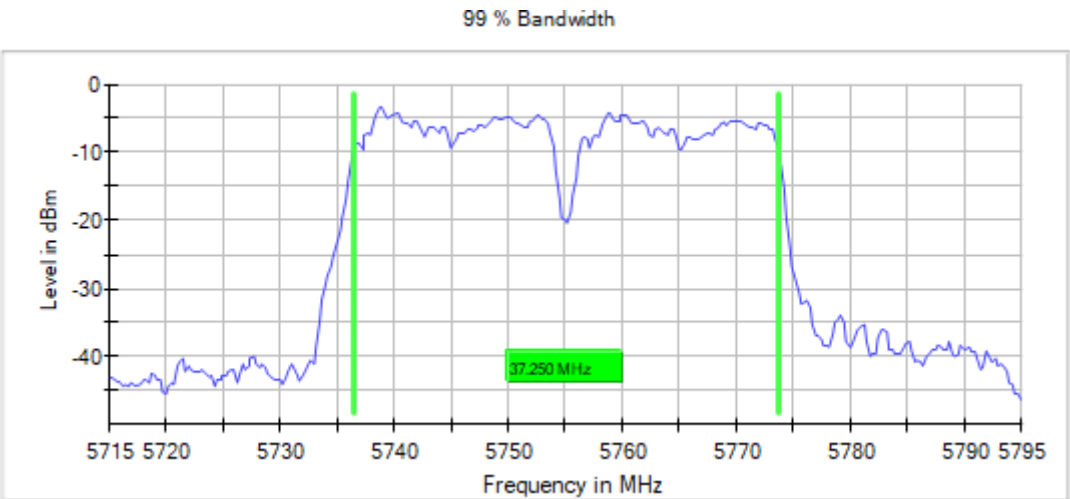
Frequency MHz = 5670.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



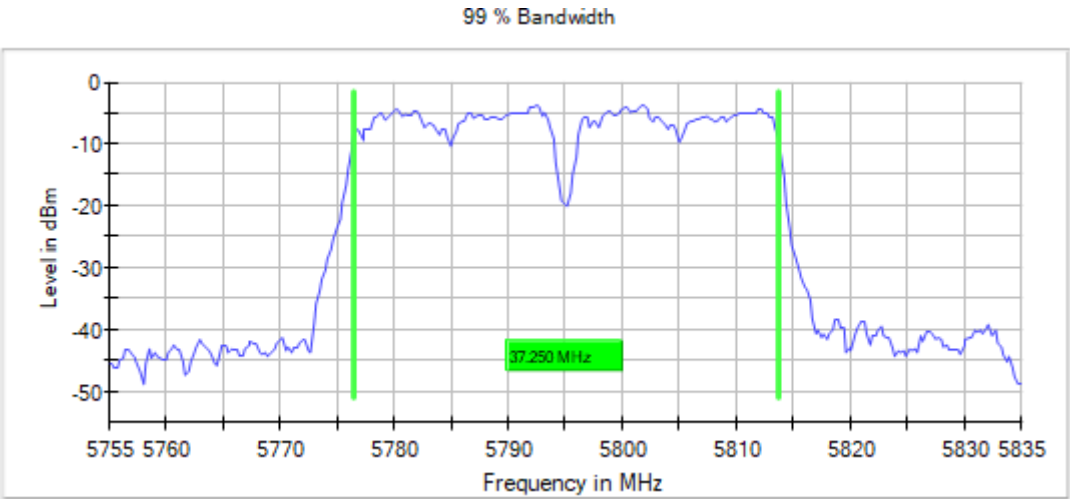
Frequency MHz = 5755.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ax HE40 SS1 (OFDMA MCS9), Mode = MIMO , Number of Transmission Chains = 2

Images:



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

Results

Freq (MHz)	Occ Ch BW (MHz)
5190.00000	21.000
5230.00000	20.750
5270.00000	21.500
5310.00000	21.000
5510.00000	21.250
5550.00000	21.250
5670.00000	21.000
5755.00000	20.750
5795.00000	21.500

Verdict

Pass

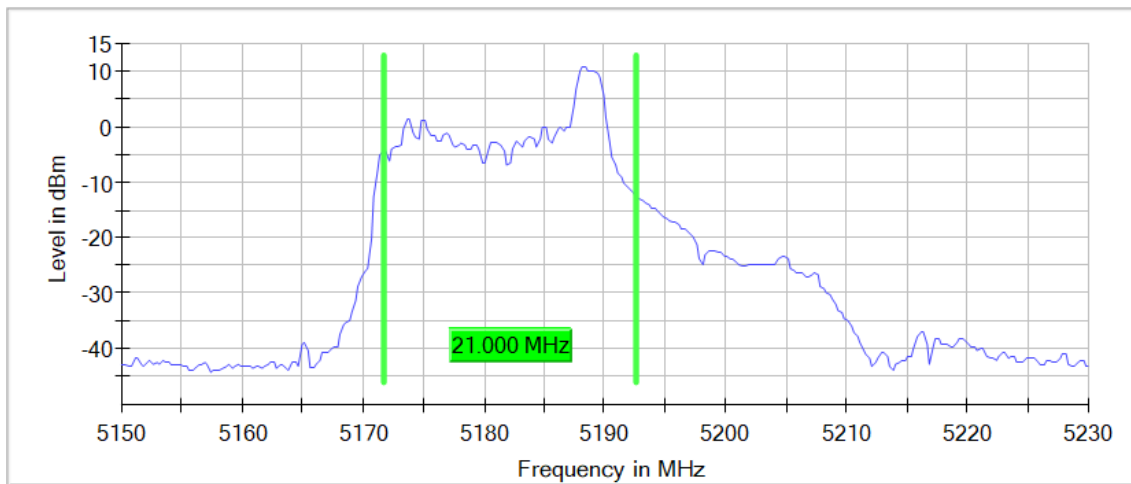
Attachments

Frequency MHz = 5190.00000
Mode = MIMO CCD Mode 2x2

Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Number of Transmission Chains = 2

Images:

99 % Bandwidth

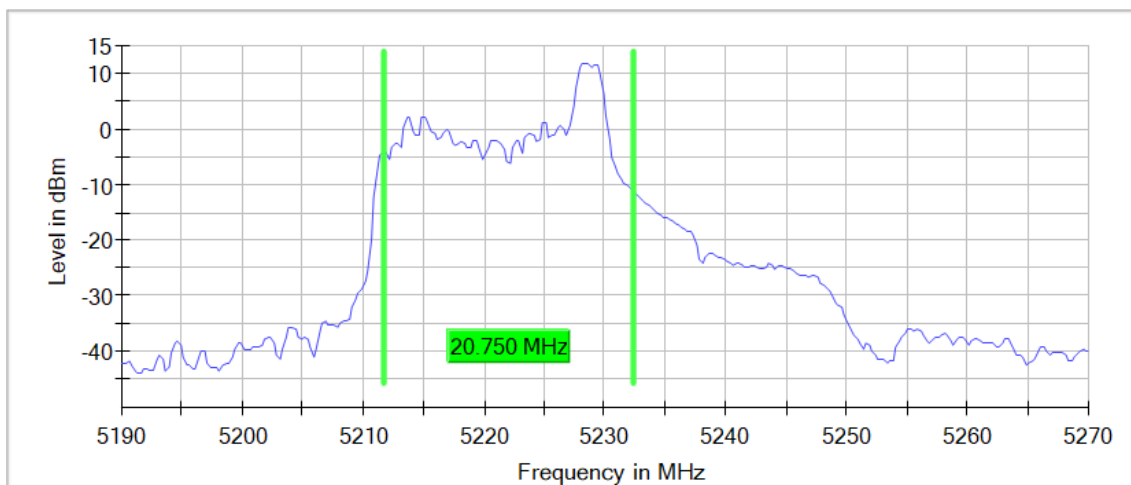


Frequency MHz = 5230.00000
Mode = MIMO CCD Mode 2x2

Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)
Number of Transmission Chains = 2

Images:

99 % Bandwidth



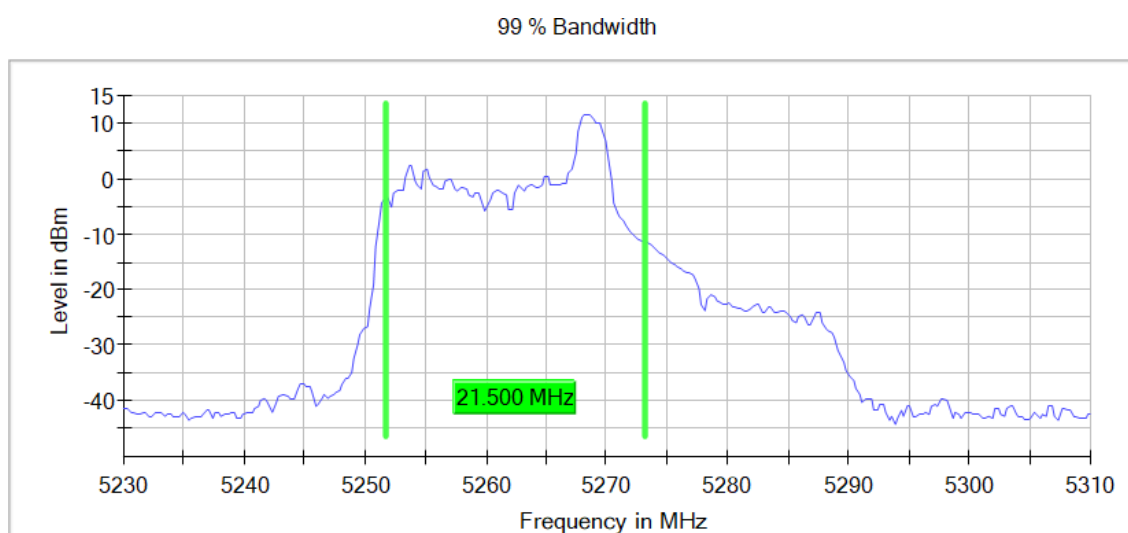
Frequency MHz = 5270.00000

Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



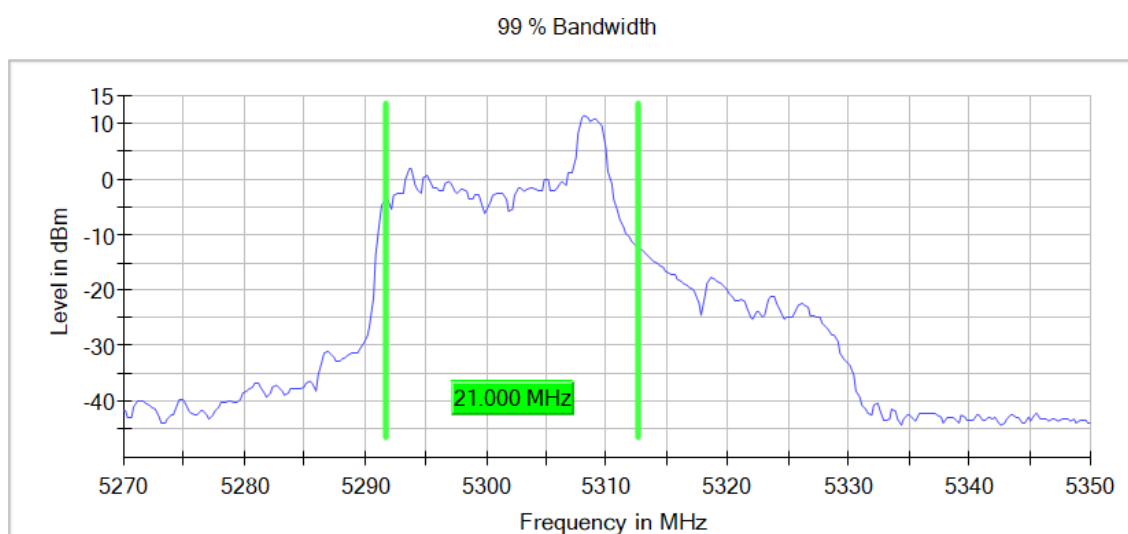
Frequency MHz = 5310.00000

Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Frequency MHz = 5510.00000

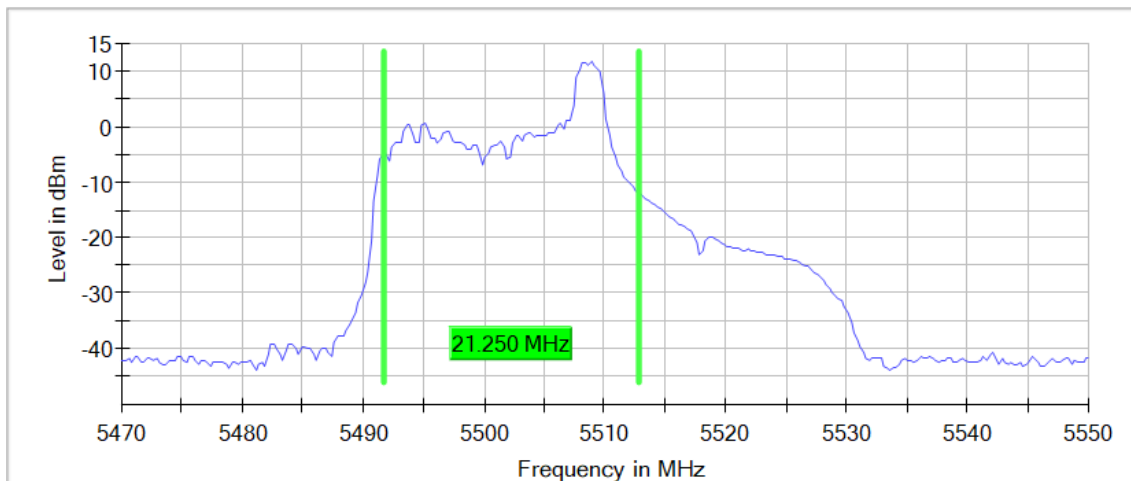
Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:

99 % Bandwidth



Frequency MHz = 5550.00000

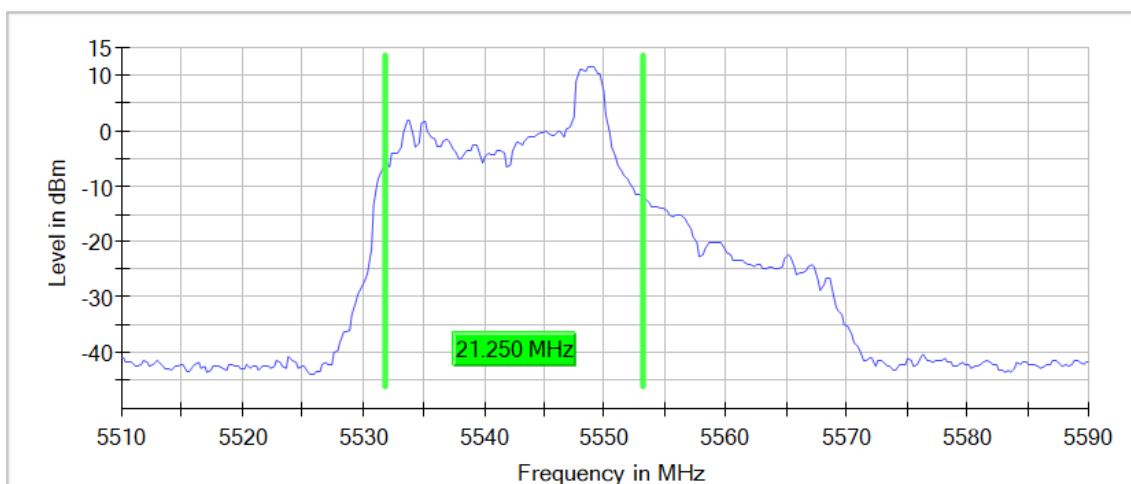
Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:

99 % Bandwidth



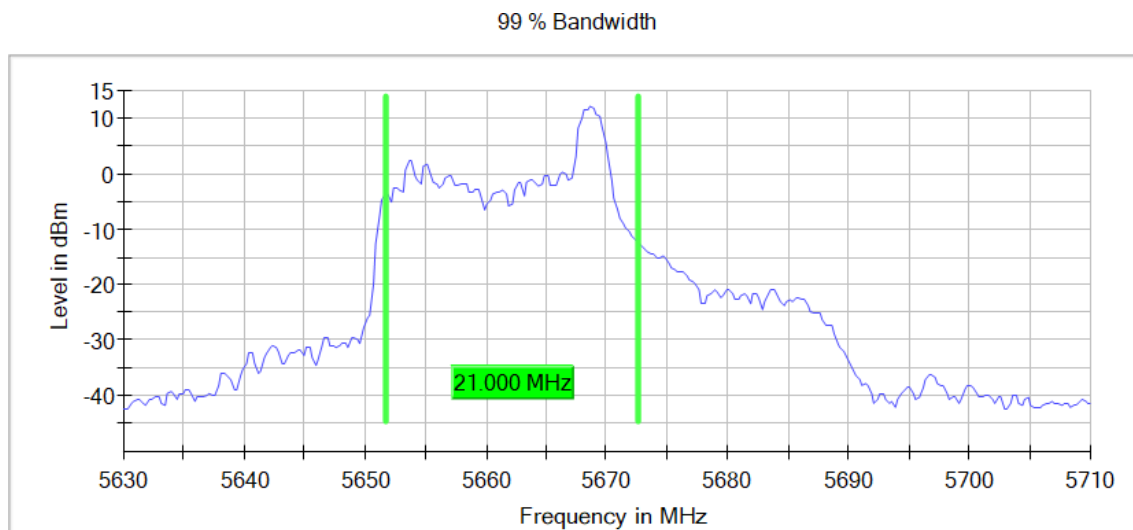
Frequency MHz = 5670.00000

Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



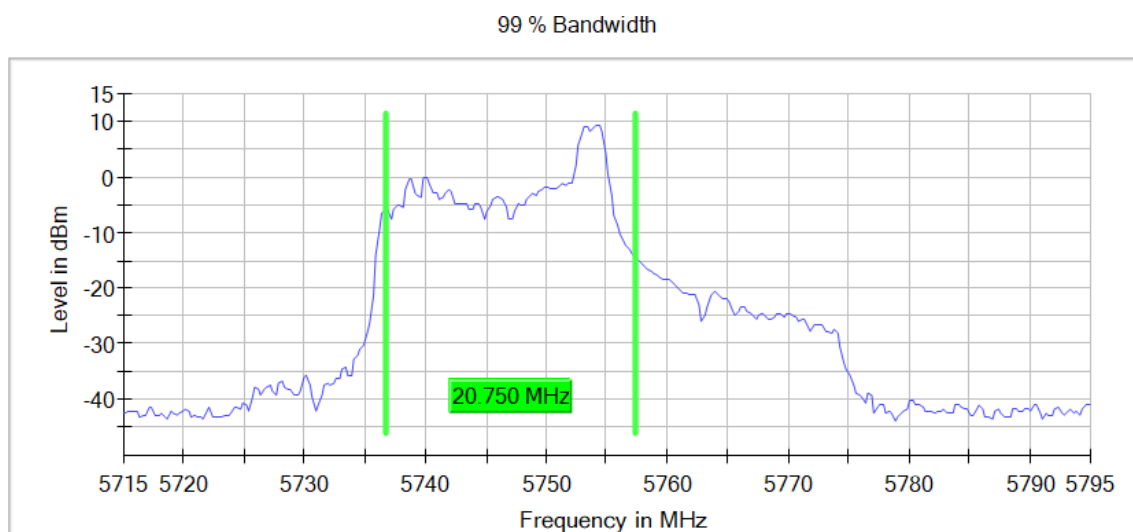
Frequency MHz = 5755.00000

Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



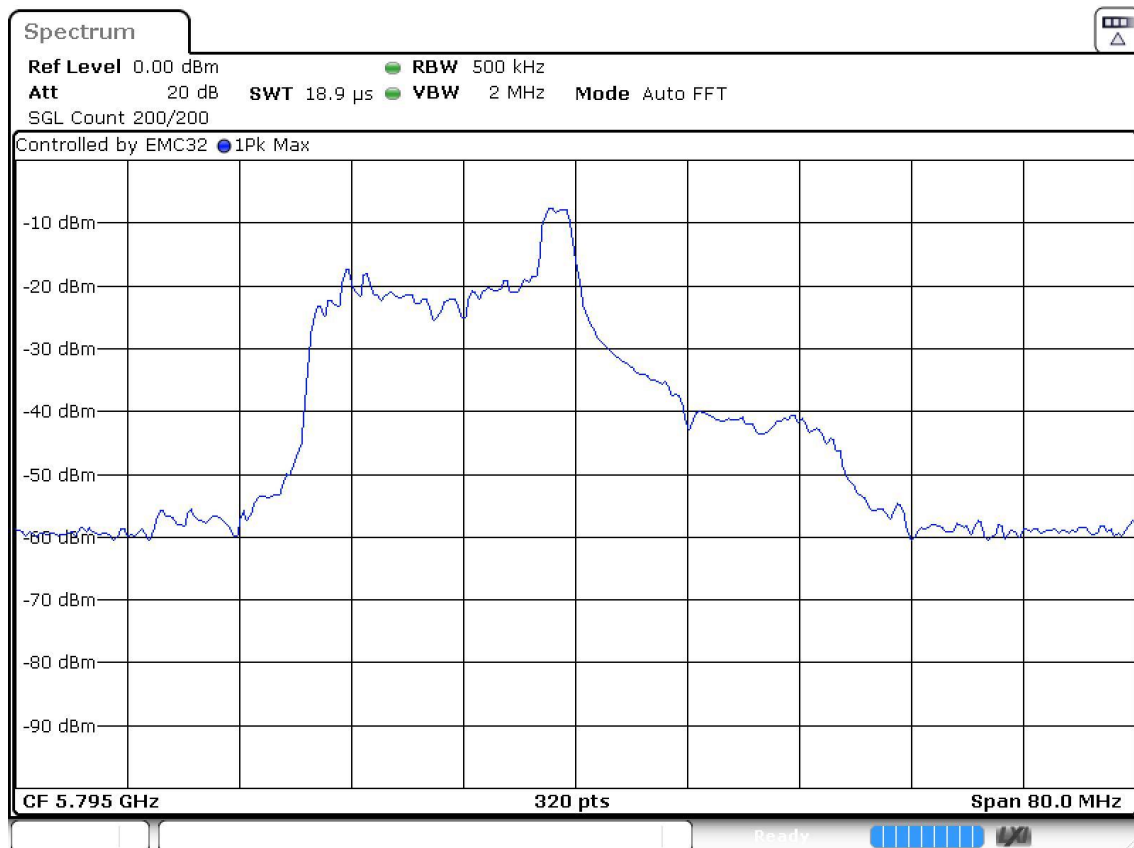
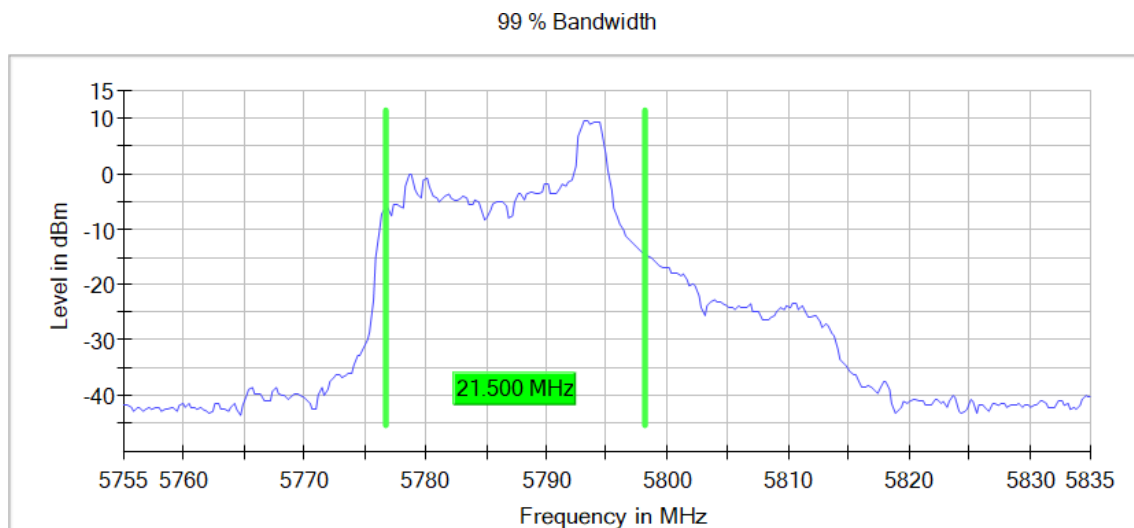
Frequency MHz = 5795.00000

Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Date: 19.DEC.2022 16:24:58

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

Freq (MHz)	Occ Ch BW (MHz)
5210.00000	78.000
5290.00000	78.500
5530.00000	78.000
5610.00000	78.500
5775.00000	78.000

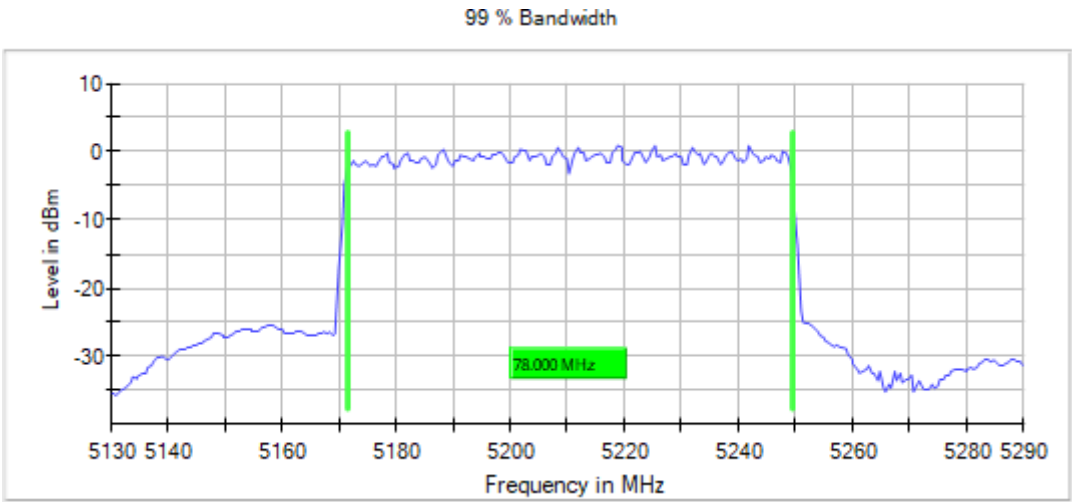
Verdict

Pass

Attachments

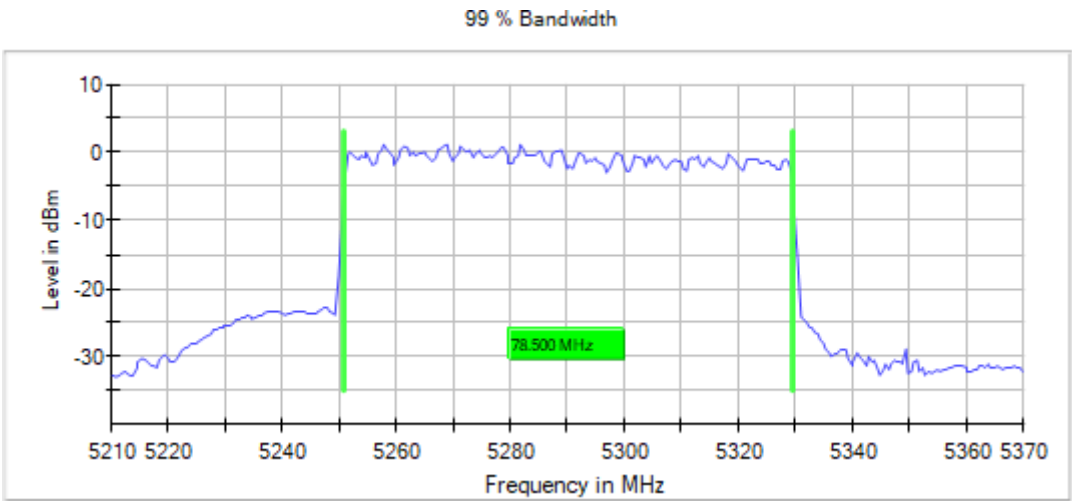
Frequency MHz = 5210.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



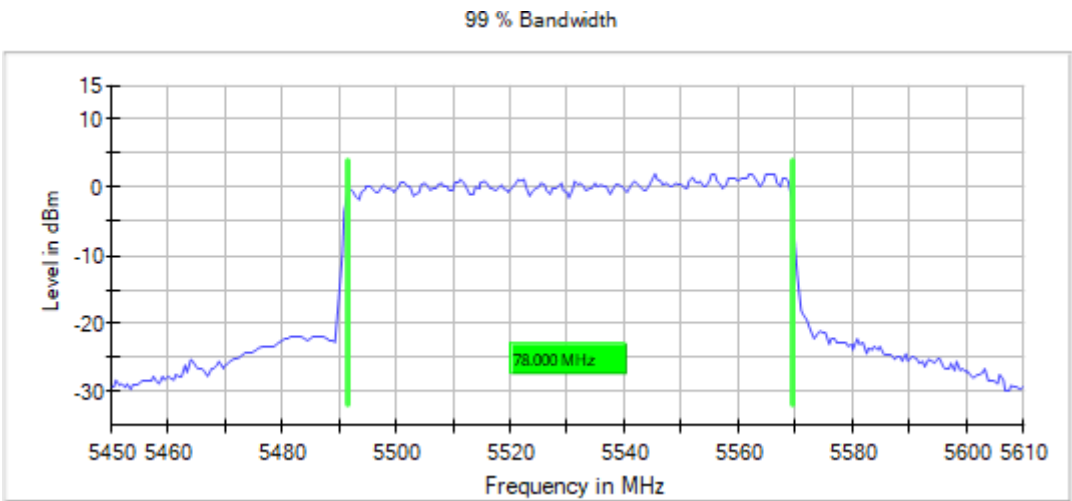
Frequency MHz = 5290.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



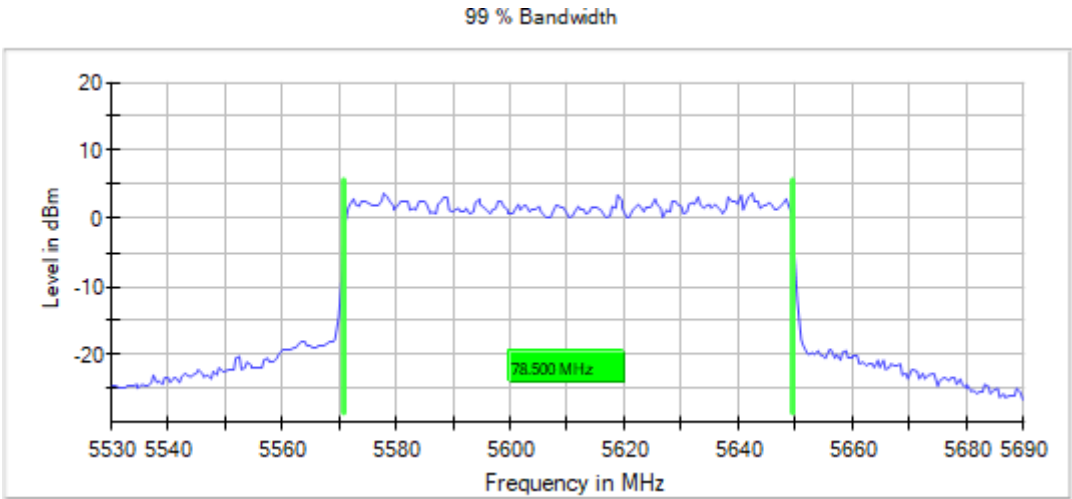
Frequency MHz = 5530.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



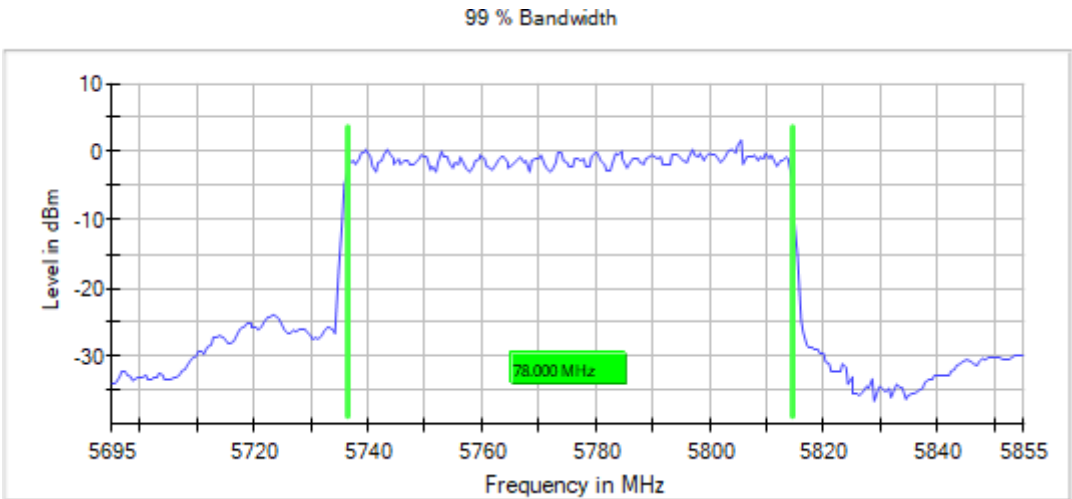
Frequency MHz = 5610.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



Frequency MHz = 5775.00000, Modulation = 802.11ax HE80 SS1 (OFDMA MCS11), Mode = MIMO , Number of Transmission Chains = 2

Images:



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

Results

Freq (MHz)	Occ Ch BW (MHz)
5210.00000	78.000
5290.00000	77.000
5530.00000	77.500
5610.00000	78.500
5775.00000	77.500

Verdict

Pass

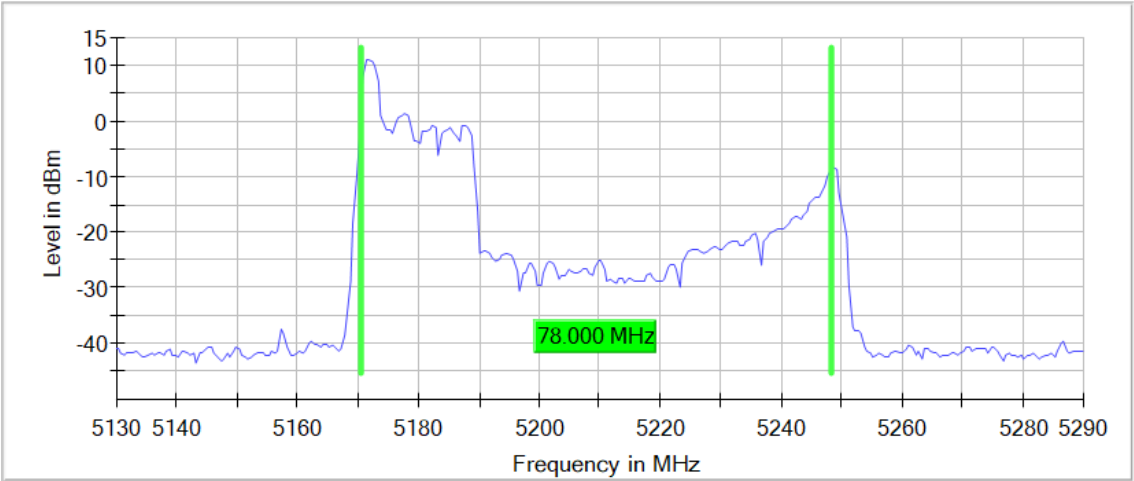
Attachments

Frequency MHz = 5210.00000
Mode = MIMO CCD Mode 2x2

Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Number of Transmission Chains = 2

Images:

99 % Bandwidth

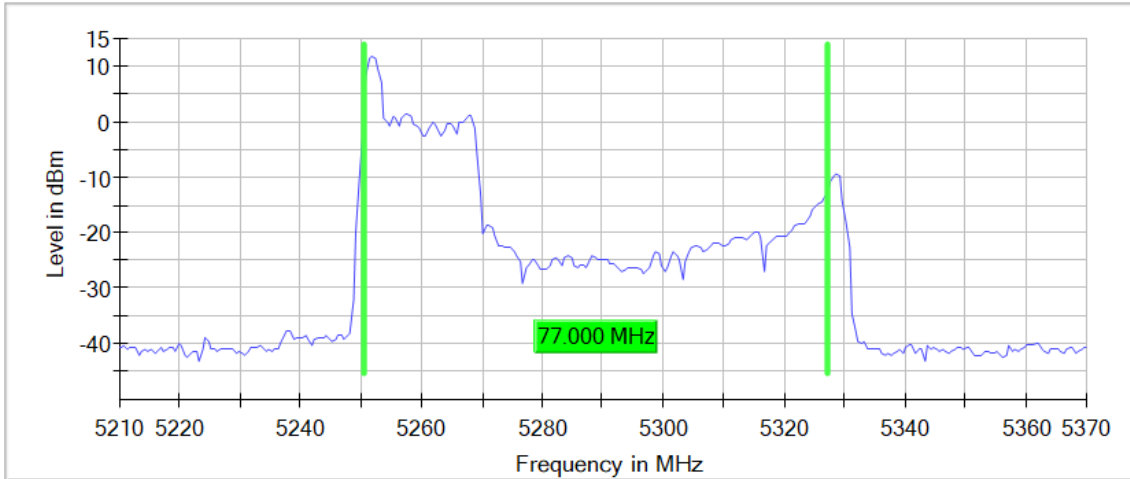


Frequency MHz = 5290.00000
Mode = MIMO CCD Mode 2x2

Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Number of Transmission Chains = 2

Images:

99 % Bandwidth

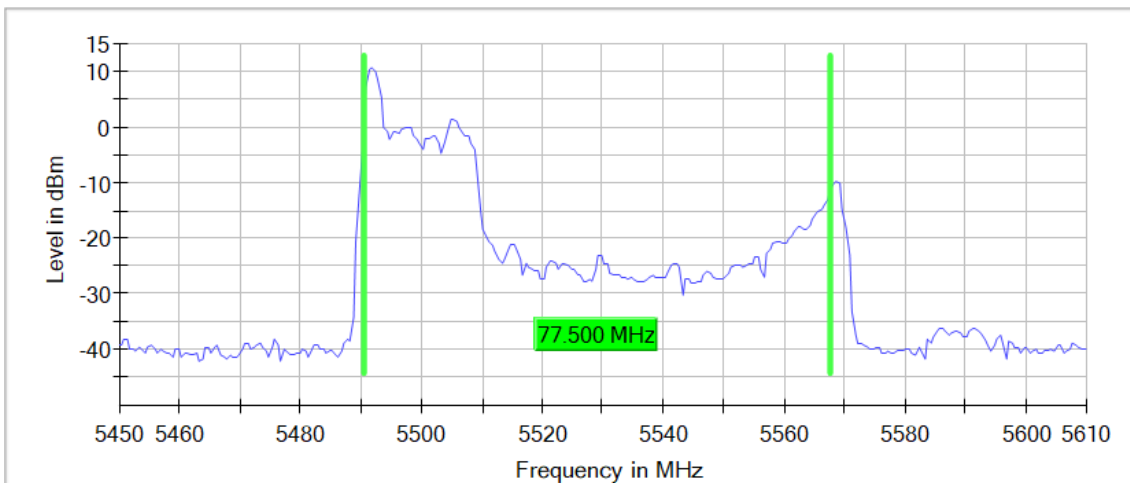


Frequency MHz = 5530.00000
Mode = MIMO CCD Mode 2x2

Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Number of Transmission Chains = 2

Images:

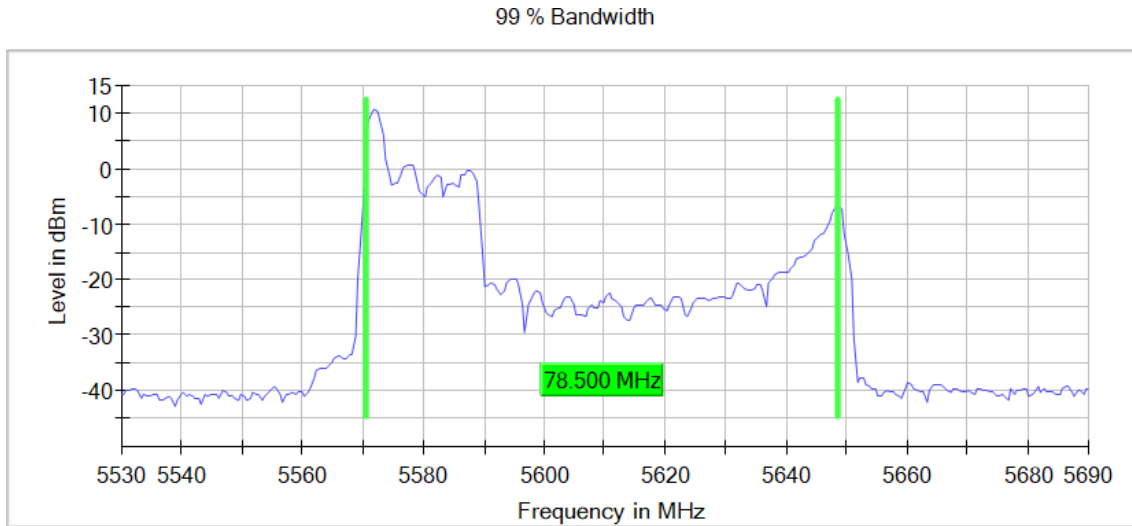
99 % Bandwidth



Frequency MHz = 5610.00000
Mode = MIMO CCD Mode 2x2

Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Number of Transmission Chains = 2

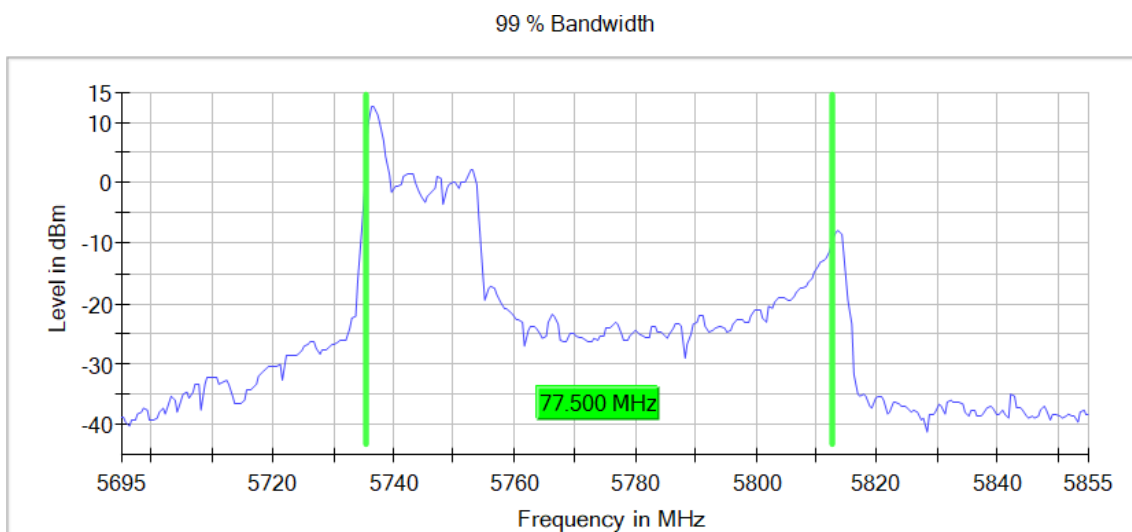
Images:

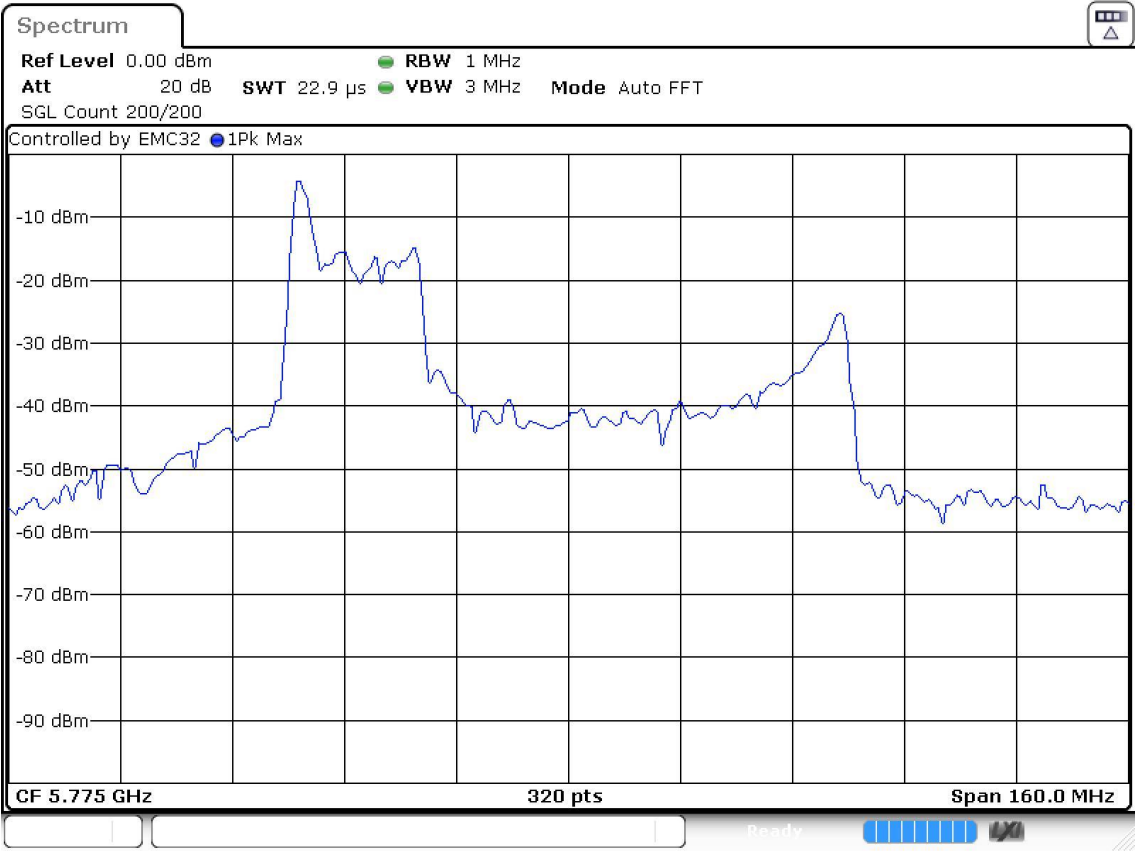


Frequency MHz = 5775.00000
Mode = MIMO CCD Mode 2x2

Modulation = 802.11ax HE80 SS1 (OFDMA MCS11)
Number of Transmission Chains = 2

Images:





Date: 19.DEC.2022 20:33:19

Modulation: 802.11ac VHT20 SS1 (OFDM MCS8) Beam forming

Results

Test Freq (MHz)	Occ Ch BW (MHz)
5180.00000	17.400
5200.00000	17.500
5240.00000	17.500
5260.00000	17.600
5280.00000	17.500
5320.00000	17.700
5500.00000	17.700
5580.00000	17.500
5700.00000	17.700
5745.00000	17.700
5785.00000	17.700
5825.00000	17.700

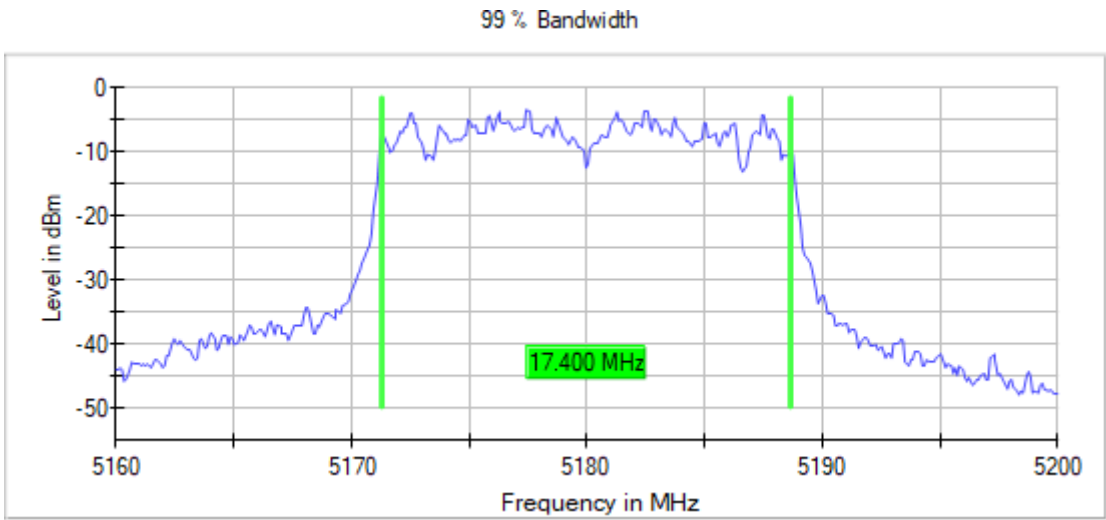
Verdict

Pass

Attachments

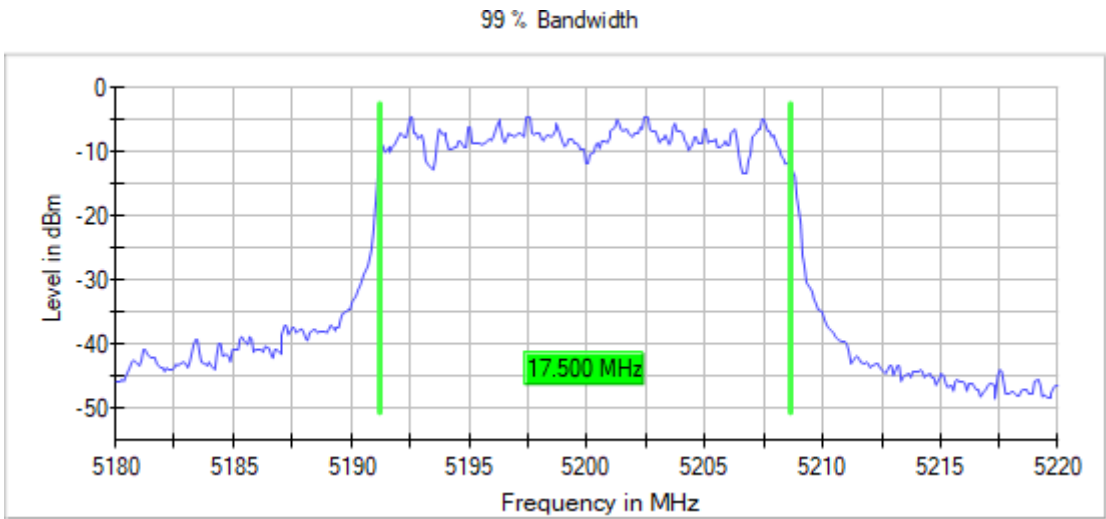
Frequency MHz = 5180.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



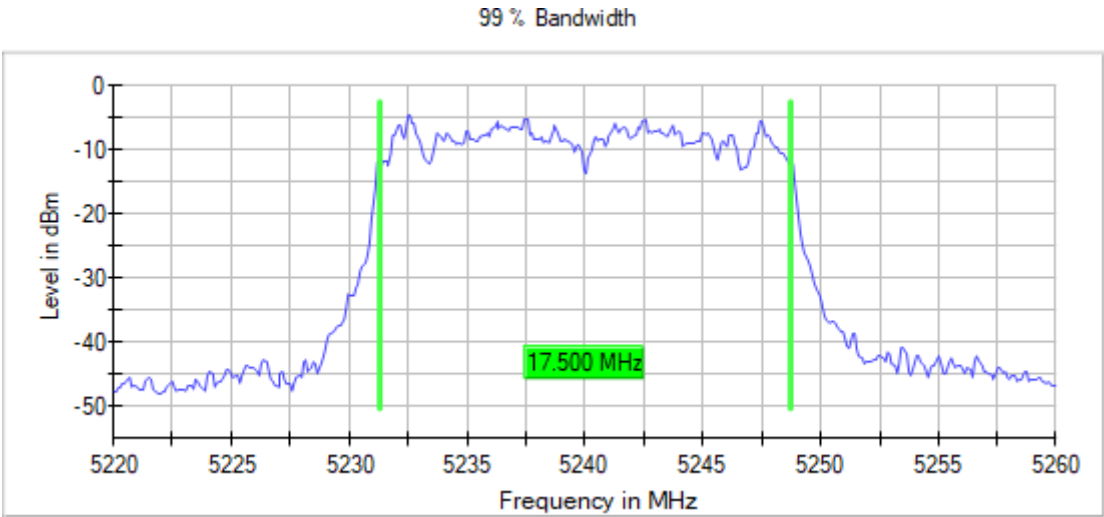
Frequency MHz = 5200.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



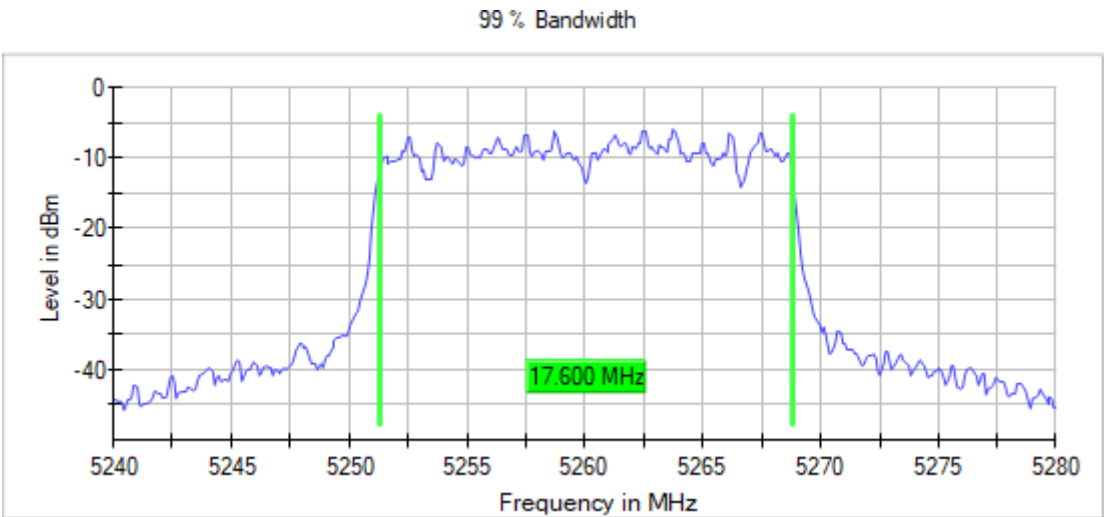
Frequency MHz = 5240.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



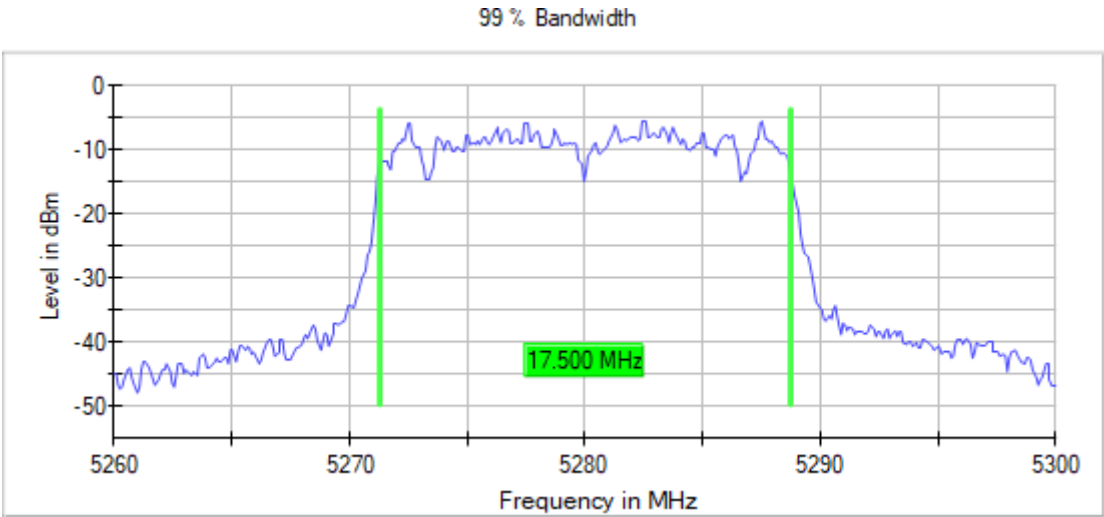
Frequency MHz = 5260.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



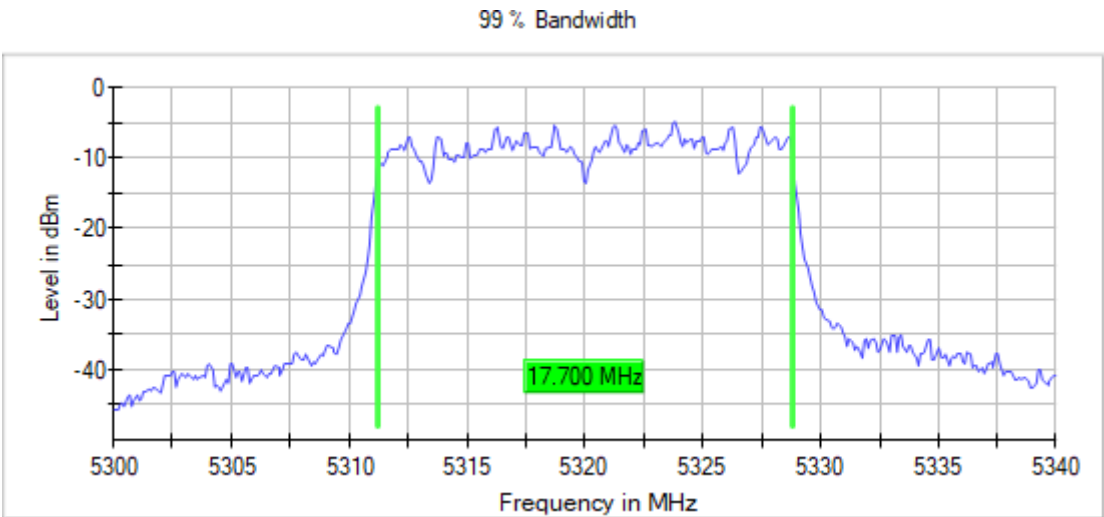
Frequency MHz = 5280.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



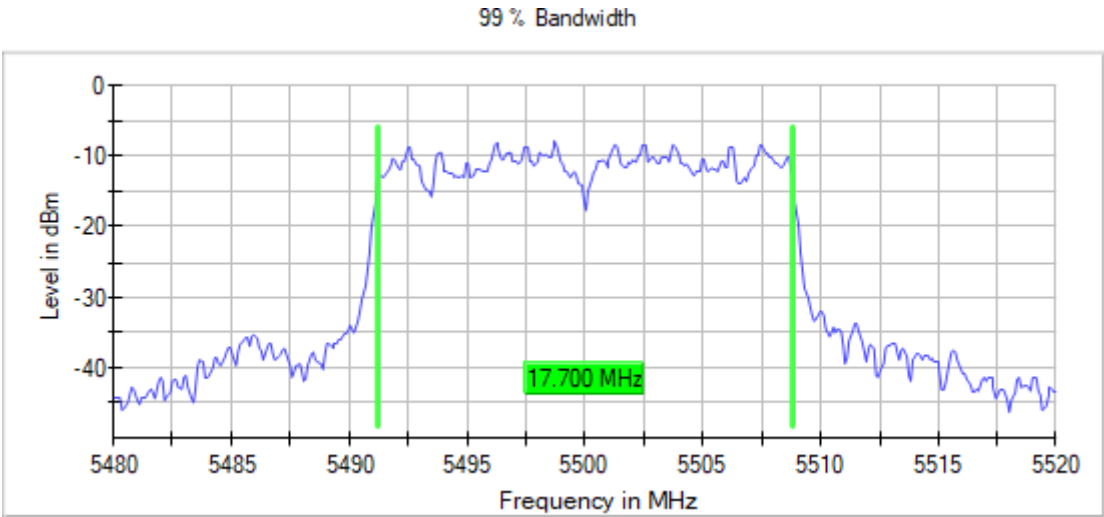
Frequency MHz = 5320.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



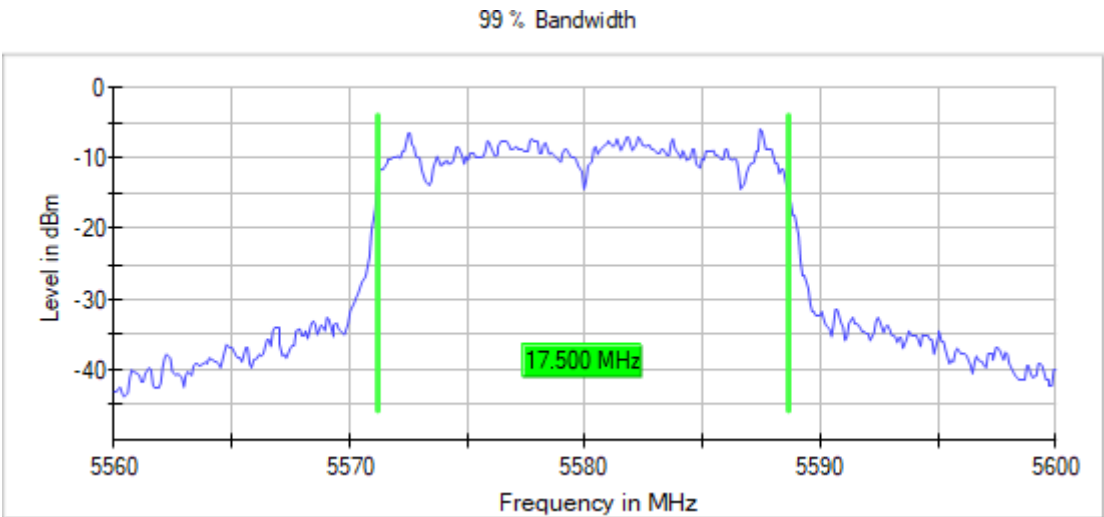
Frequency MHz = 5500.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



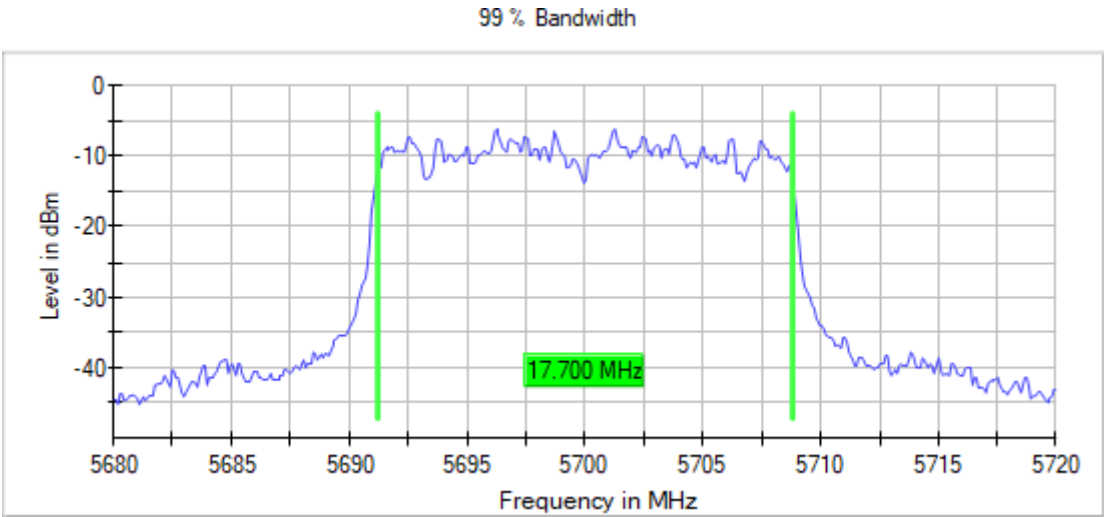
Frequency MHz = 5580.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



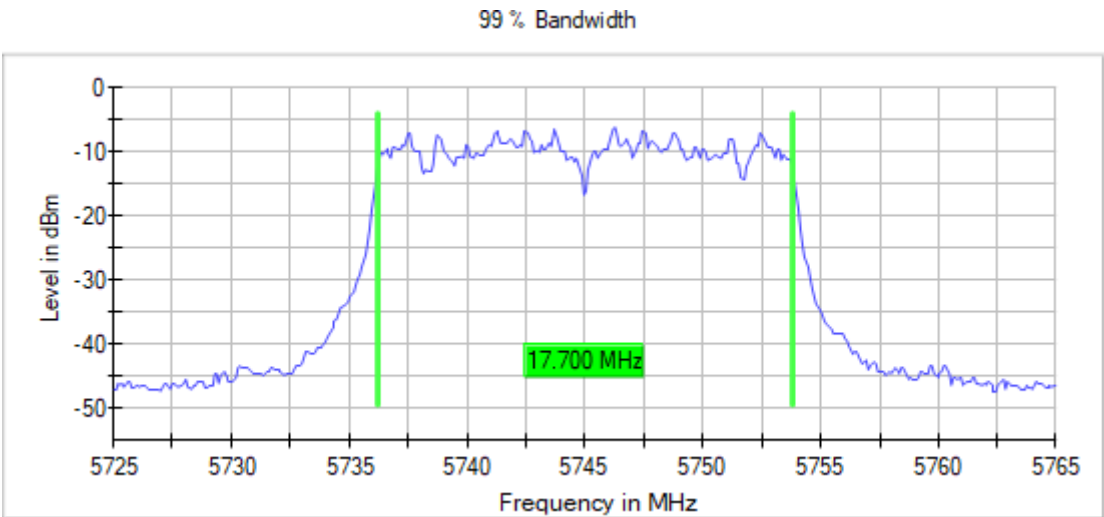
Frequency MHz = 5700.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



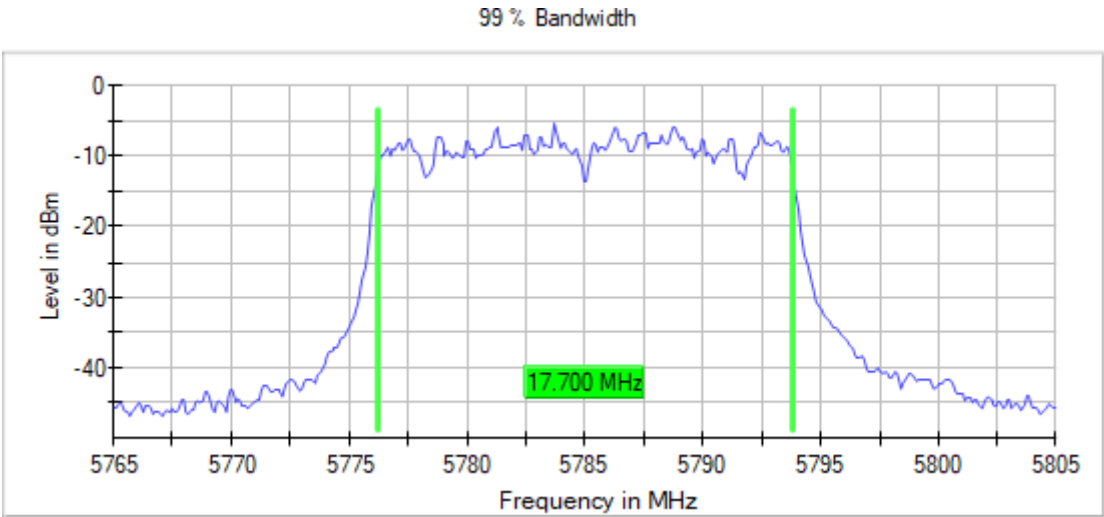
Frequency MHz = 5745.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



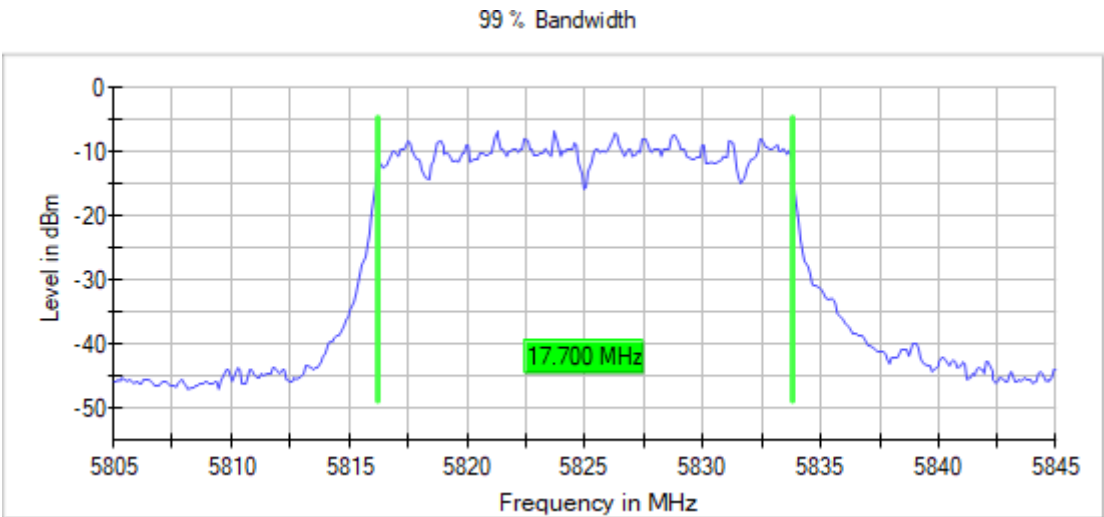
Frequency MHz = 5785.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5825.00000, Modulation = 802.11ac VHT20 SS1 (OFDM MCS8), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ac VHT40 SS1 (OFDM MCS9) Beam forming
Results

Test Freq (MHz)	Occ Ch BW (MHz)
5190.00000	36.250
5230.00000	36.250
5270.00000	36.500
5310.00000	37.000
5510.00000	37.500
5550.00000	37.500
5670.00000	37.750
5755.00000	37.000
5795.00000	37.000

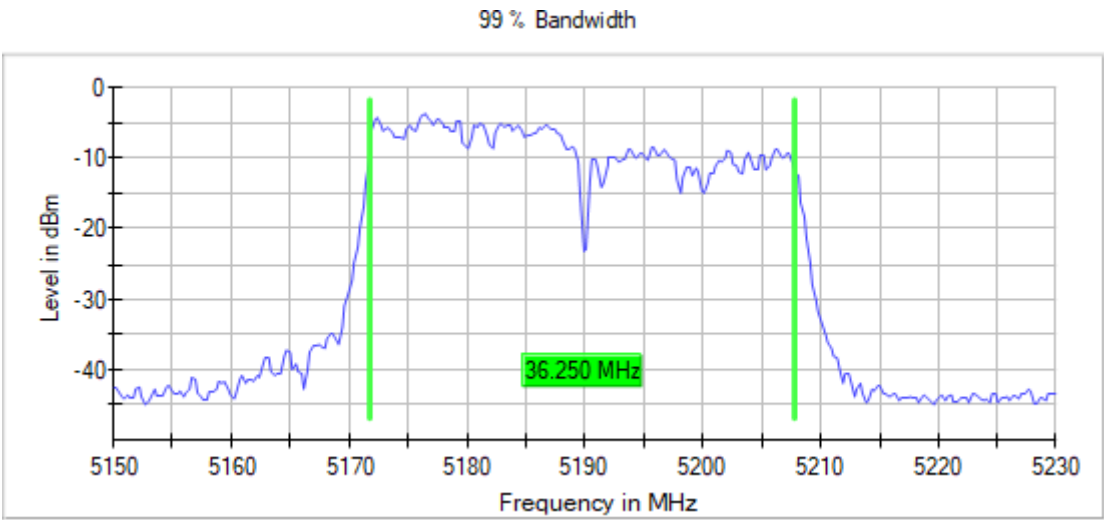
Verdict

Pass

Attachments

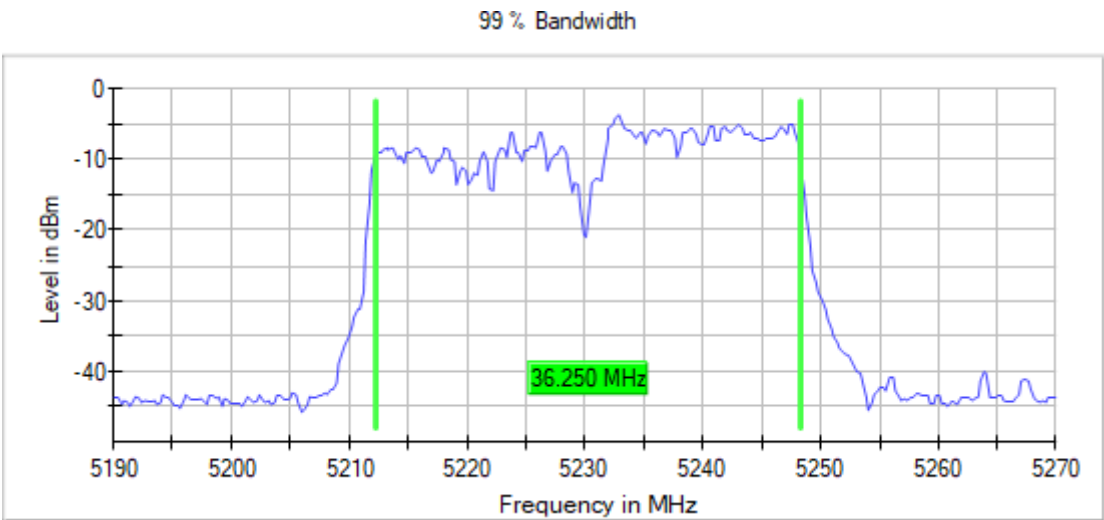
Frequency MHz = 5190.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



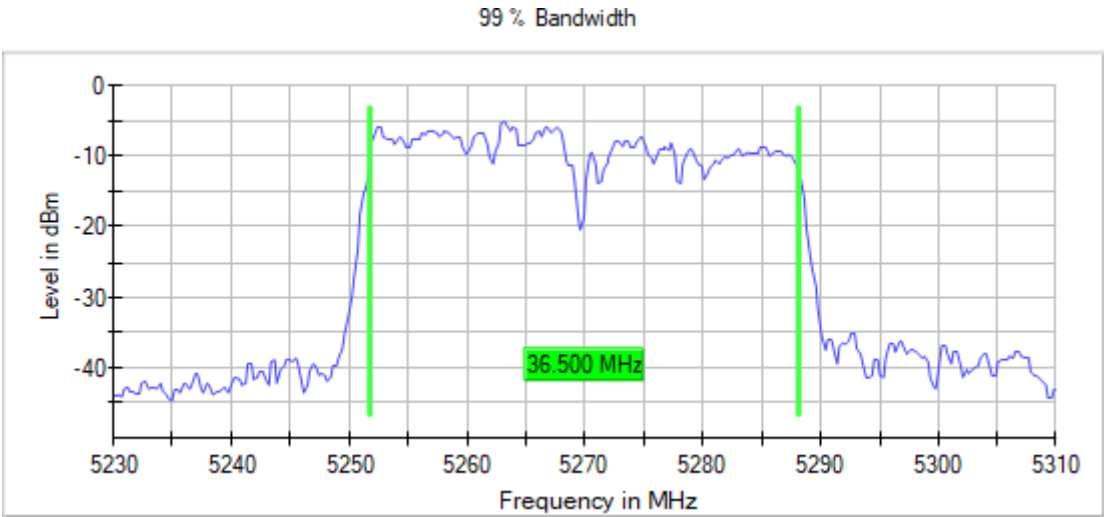
Frequency MHz = 5230.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



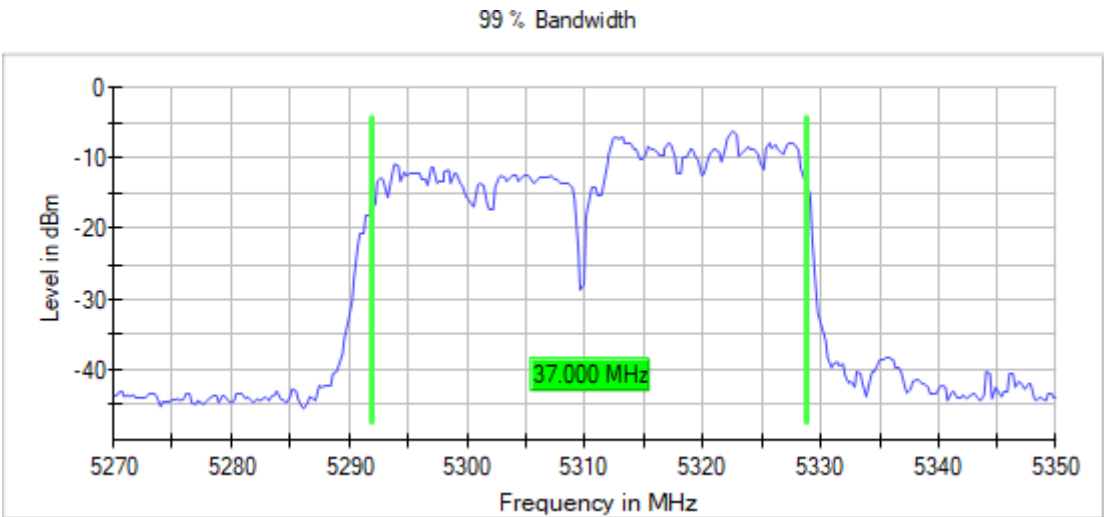
Frequency MHz = 5270.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



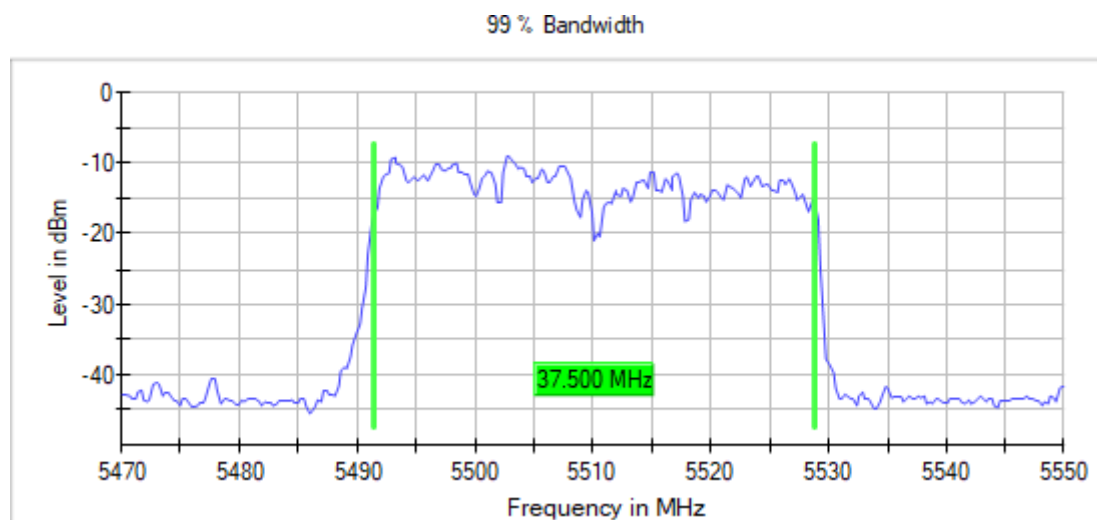
Frequency MHz = 5310.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



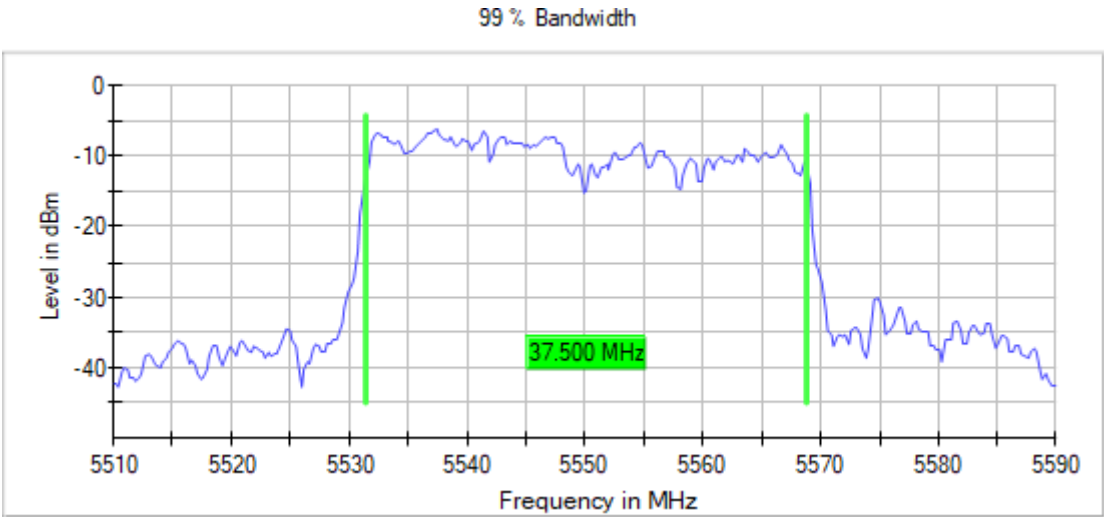
Frequency MHz = 5510.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



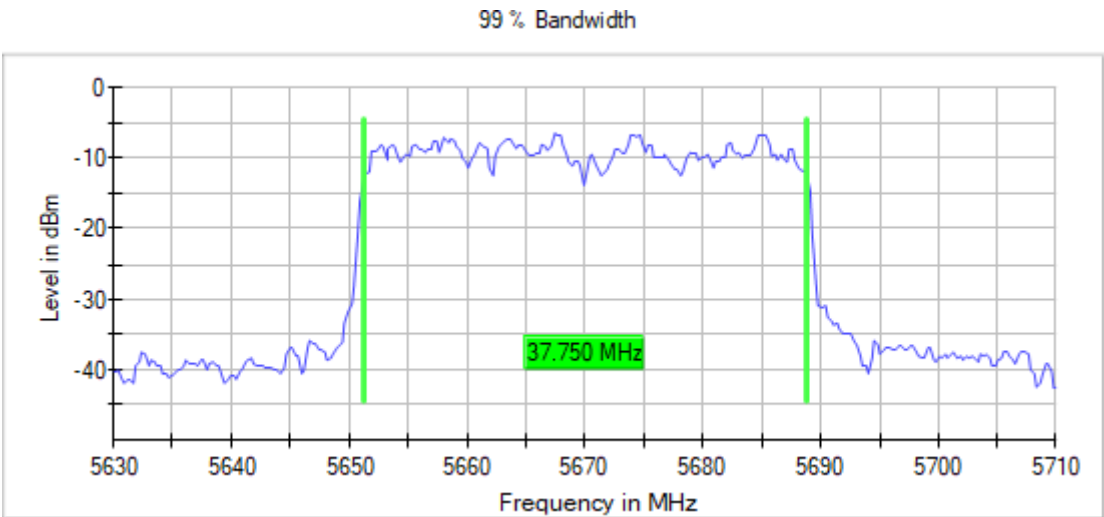
Frequency MHz = 5550.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



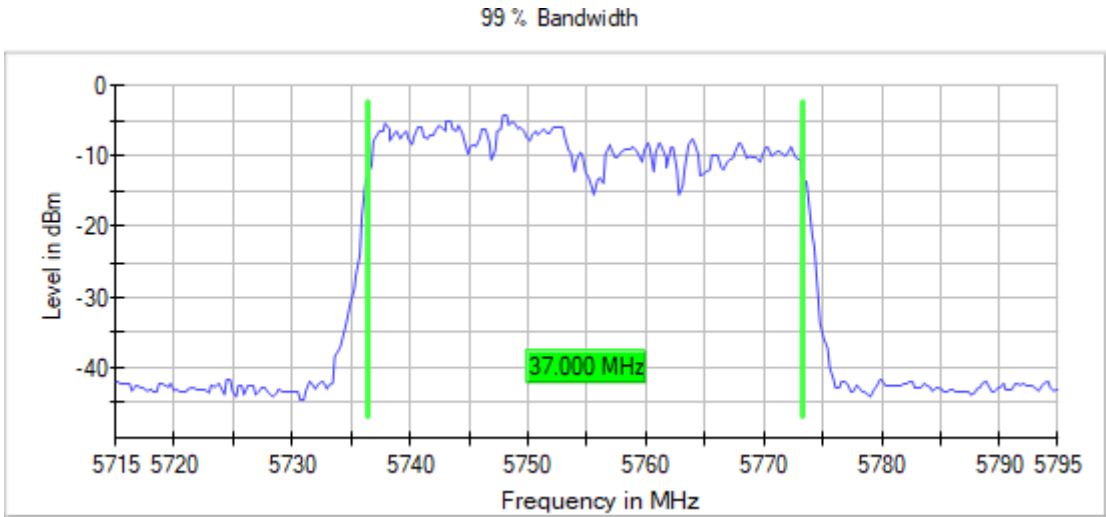
Frequency MHz = 5670.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



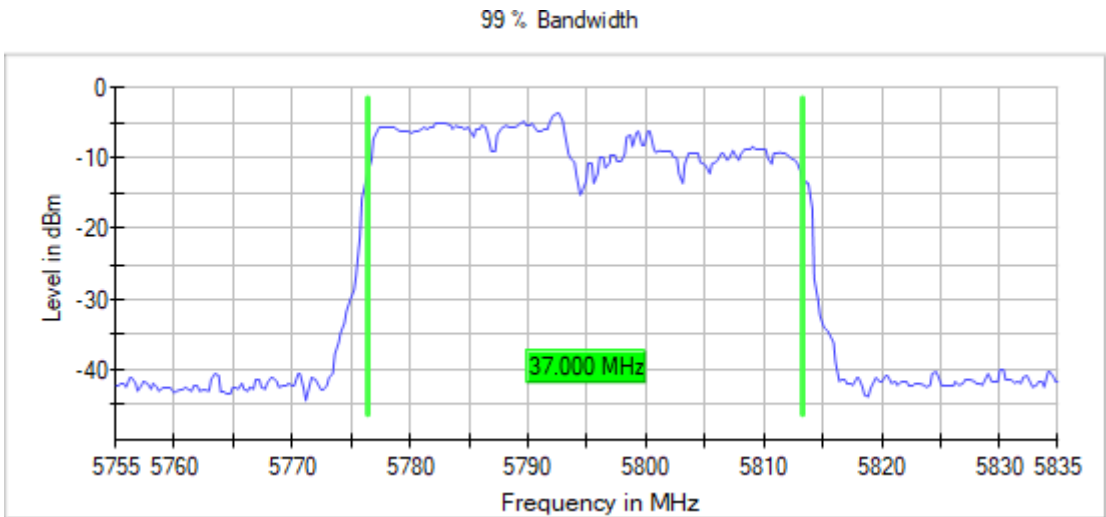
Frequency MHz = 5755.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5795.00000, Modulation = 802.11ac VHT40 SS1 (OFDM MCS9), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ac VHT80 SS1 (OFDM MCS9) Beam forming
Results

Test Freq (MHz)	Occ Ch BW (MHz)
5210.00000	78.000
5290.00000	77.000
5530.00000	77.500
5610.00000	77.000
5775.00000	77.000
5775.00000	77.000

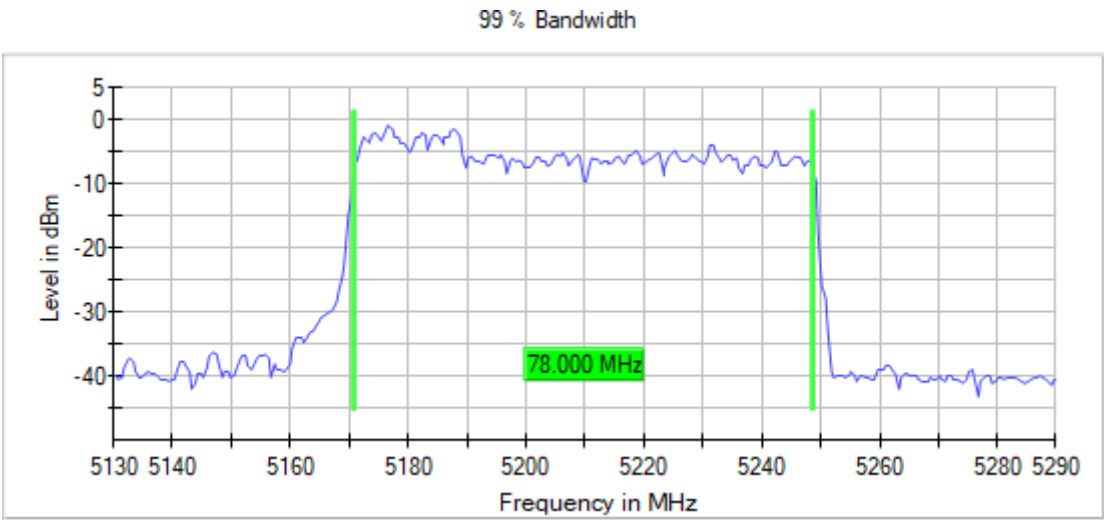
Verdict

Pass

Attachments

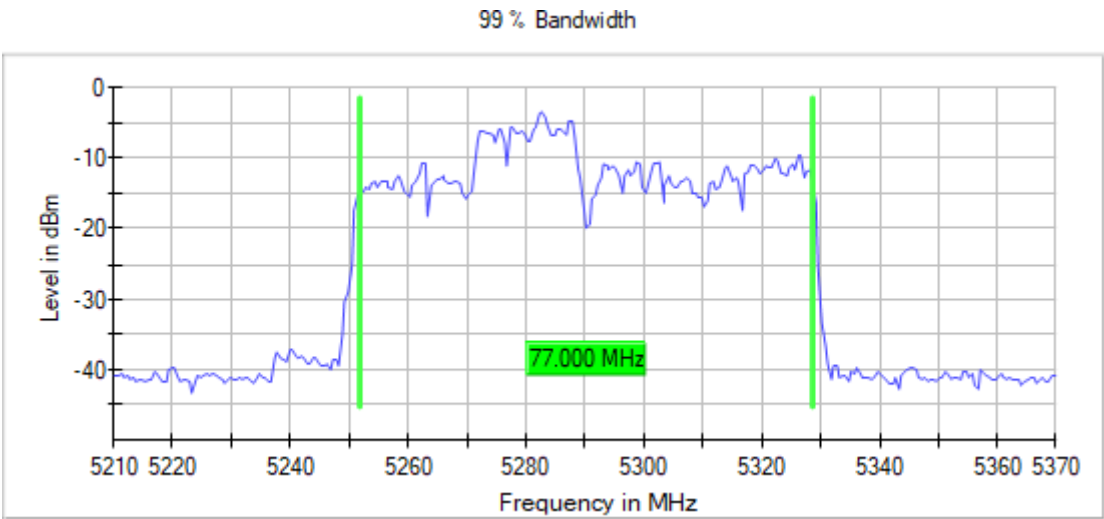
Frequency MHz = 5210.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



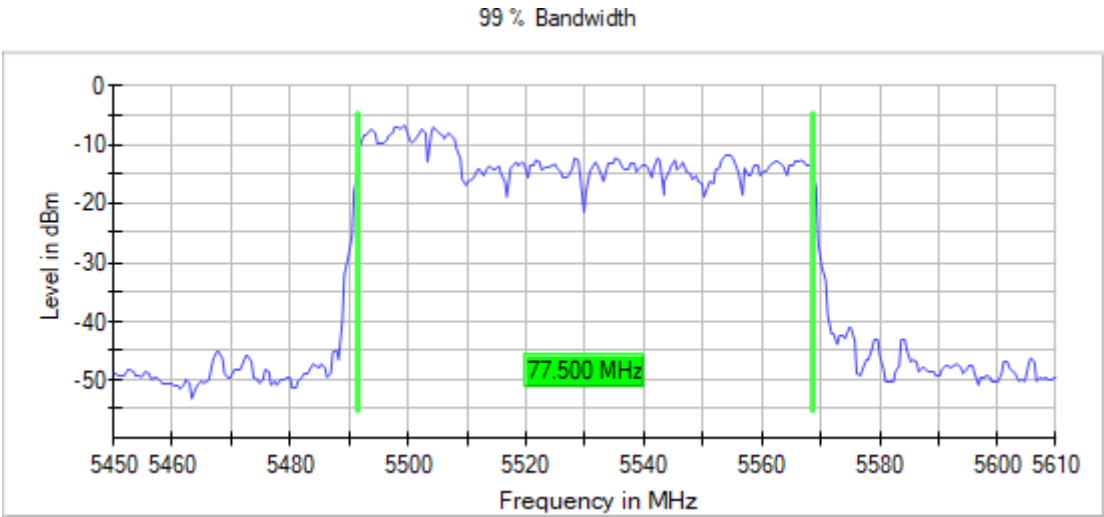
Frequency MHz = 5290.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO CCD Mode 2x2, Number of Transmission Chains = 2,

Images:



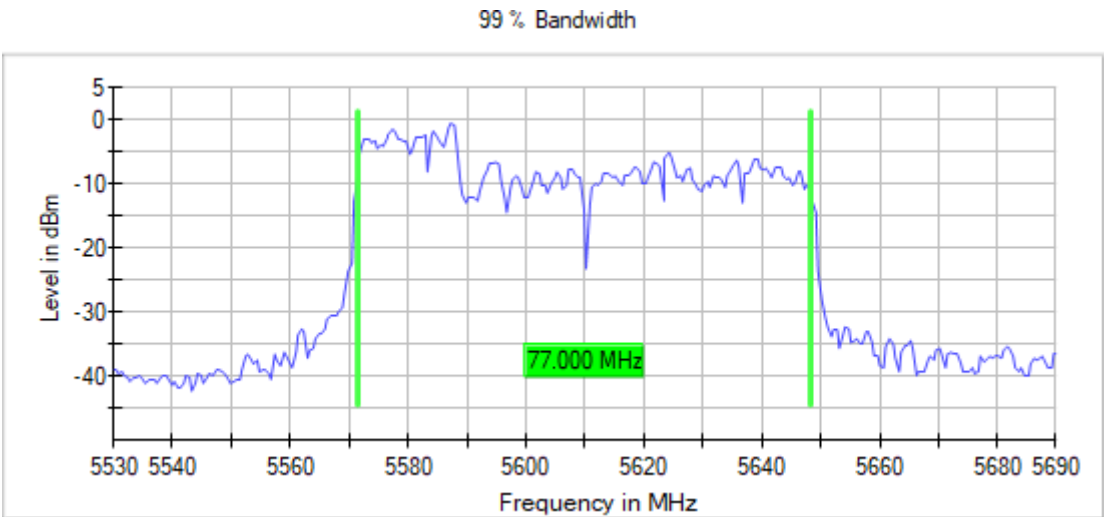
Frequency MHz = 5530.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



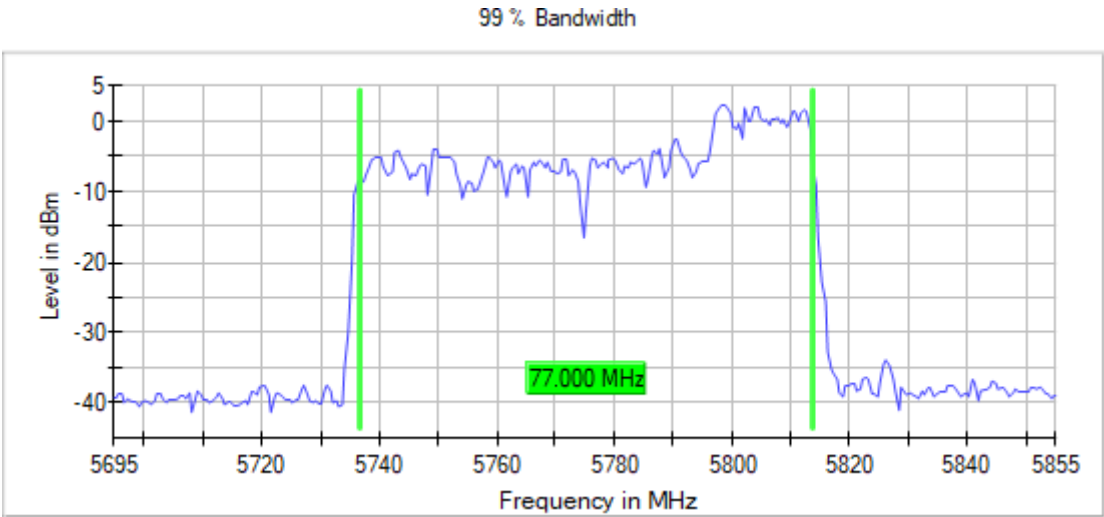
Frequency MHz = 5610.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



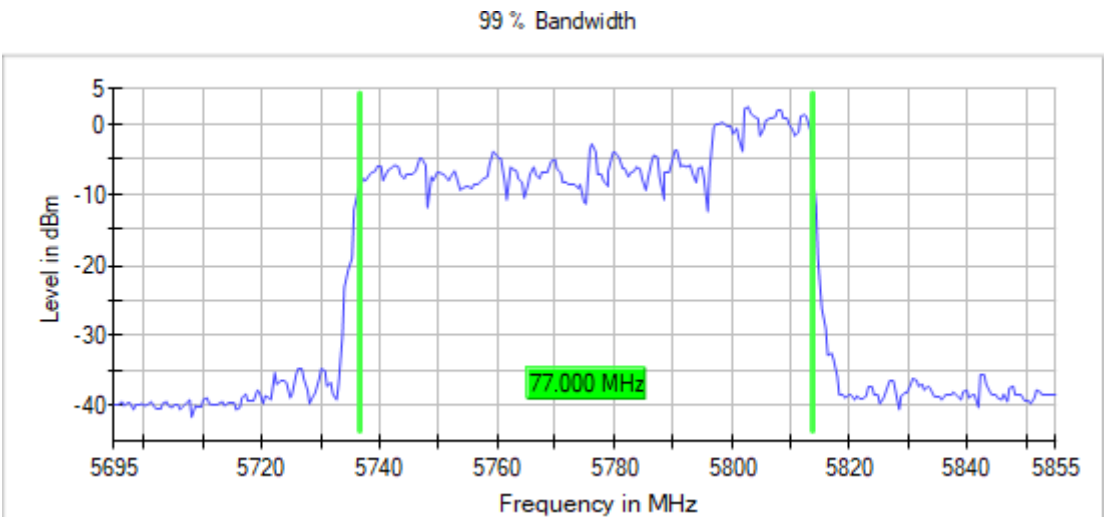
Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5775.00000, Modulation = 802.11ac VHT80 SS1 (OFDM MCS9), Mode = MIMO CCD Mode
2x2, Number of Transmission Chains = 2,

Images:



Modulation: 802.11ax HE SS1 MCS 8 (OFDM MCS8) Beam forming
Results

Test Freq (MHz)	Occ Ch BW (MHz)
5180.00000	18.900
5200.00000	18.900
5240.00000	18.800
5260.00000	18.900
5280.00000	18.900
5320.00000	18.800
5500.00000	18.900
5580.00000	18.900
5700.00000	18.800
5745.00000	18.900
5785.00000	18.800
5825.00000	18.800

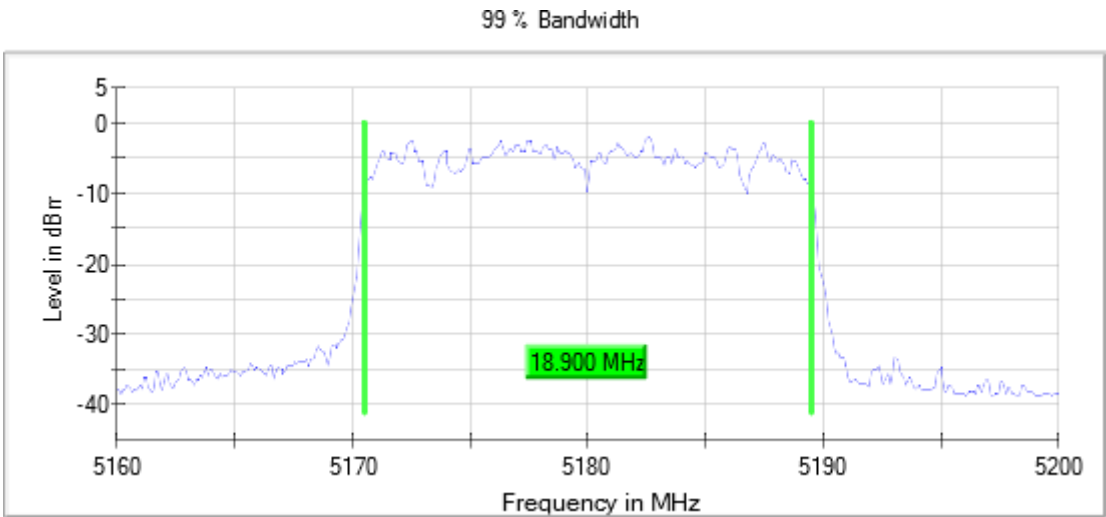
Verdict

Pass

Attachments

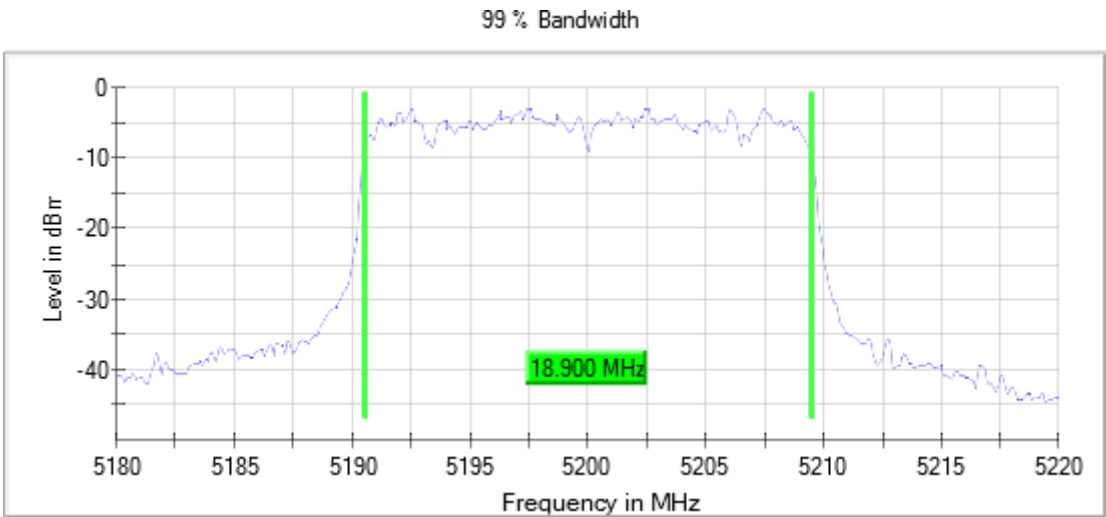
**Frequency MHz = 5180.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), Mode = MIMO CCD
Mode 2x2, Number of Transmission Chains = 2,**

Images:



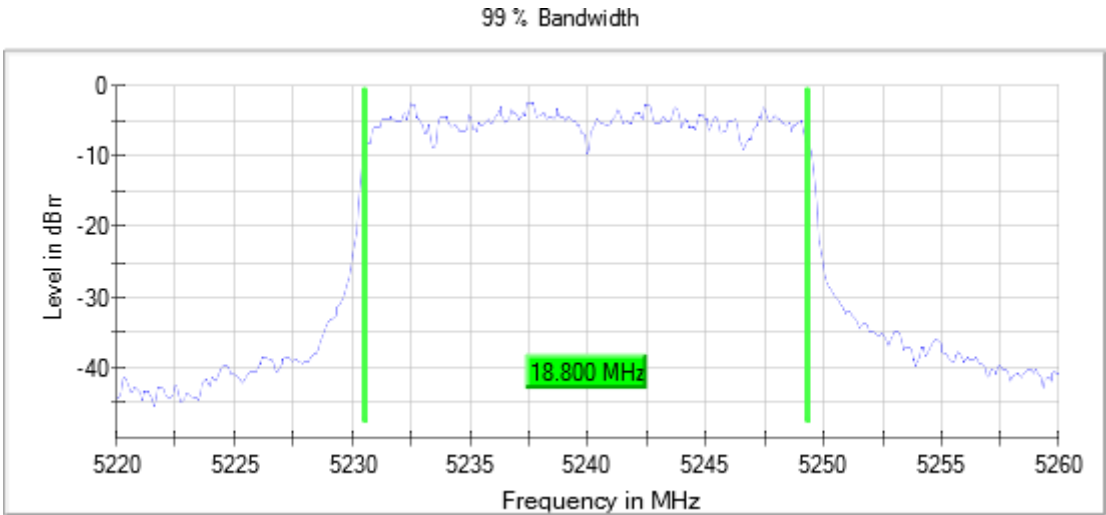
**Frequency MHz = 5200.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), Mode = MIMO CCD
Mode 2x2, Number of Transmission Chains = 2,**

Images:



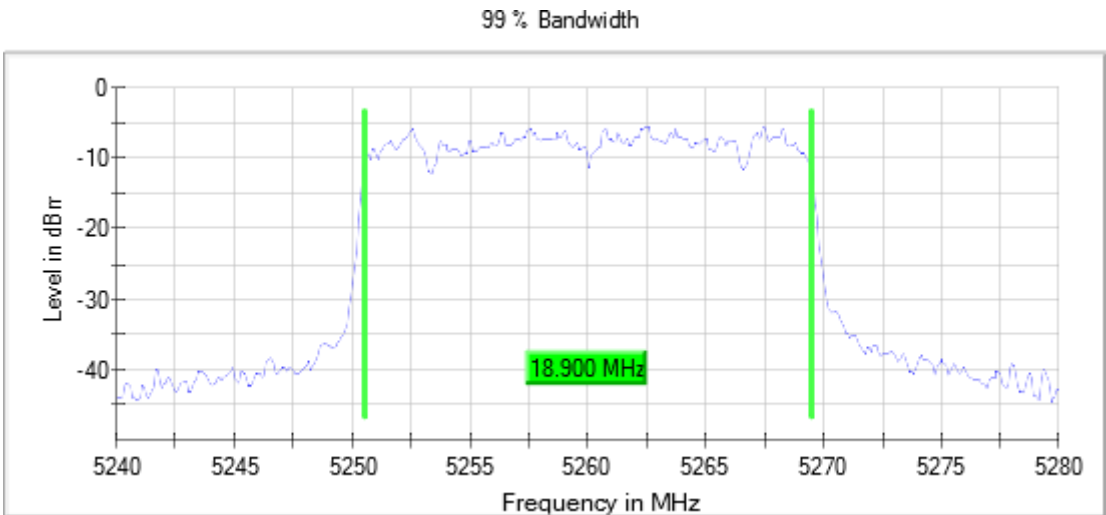
Frequency MHz = 5240.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), Mode = MIMO CCD
Mode 2x2, Number of Transmission Chains = 2,

Images:



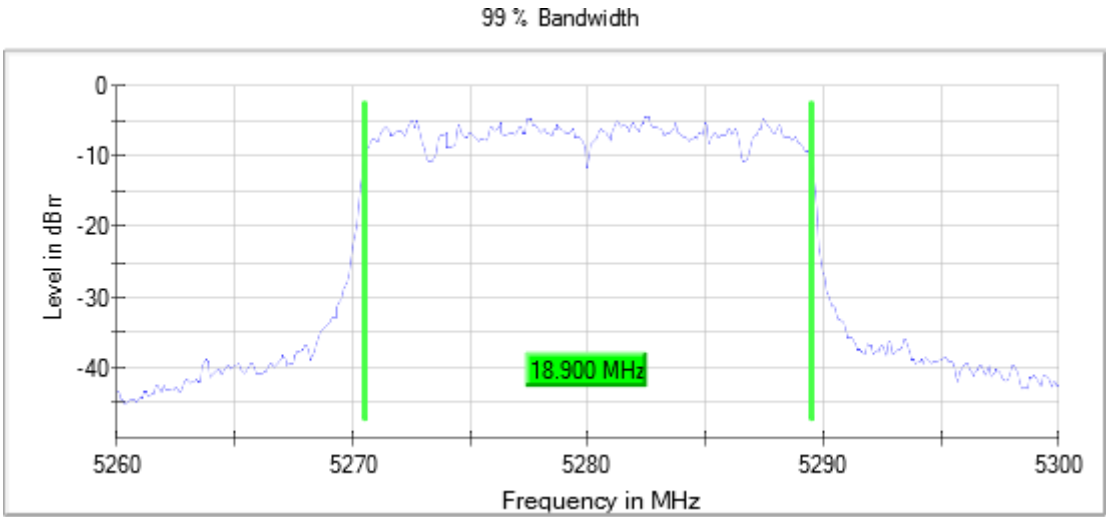
Frequency MHz = 5260.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), Mode = MIMO CCD
Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5280.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), Mode = MIMO CCD
Mode 2x2, Number of Transmission Chains = 2,

Images:



Frequency MHz = 5320.00000, Modulation = 802.11ax HE SS1 MCS 8 (OFDM MCS8), Mode = MIMO CCD
Mode 2x2, Number of Transmission Chains = 2,

Images:

