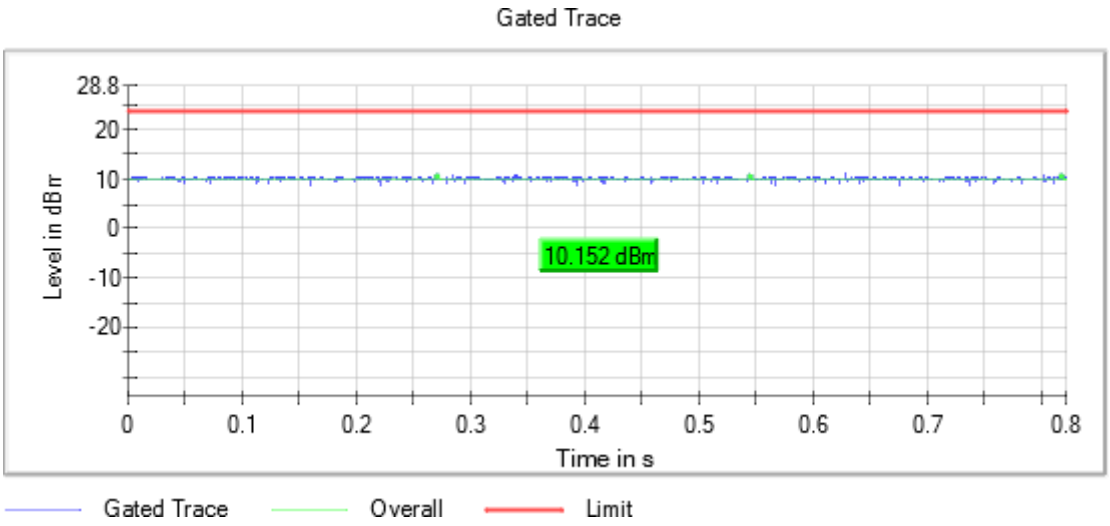
Frequency MHz = 5500.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

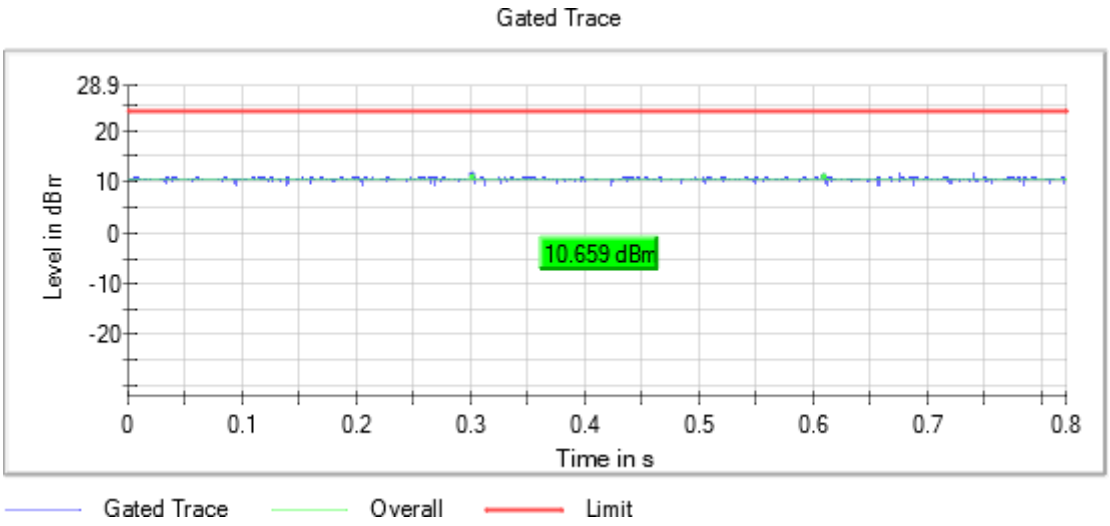
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5580.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

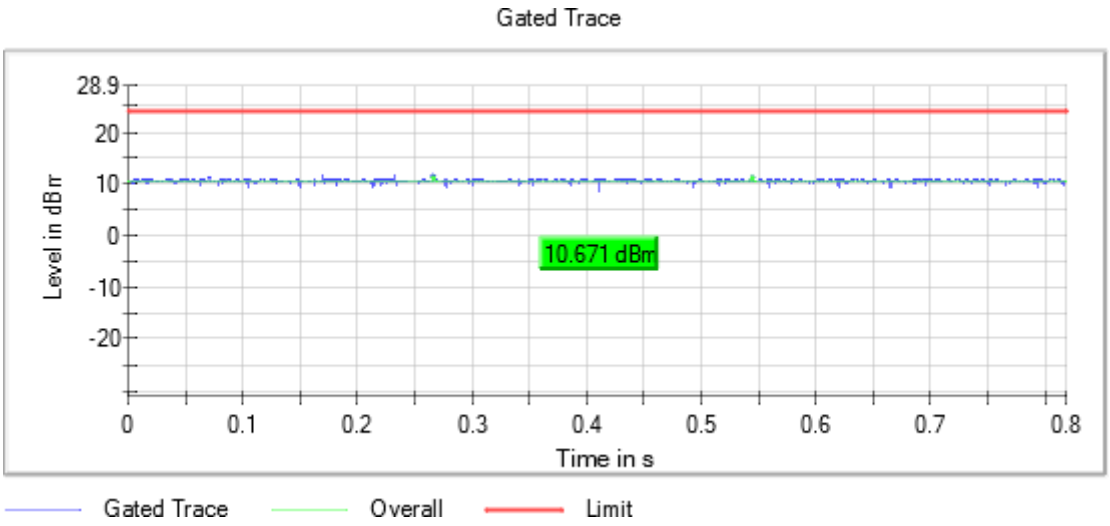
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5700.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

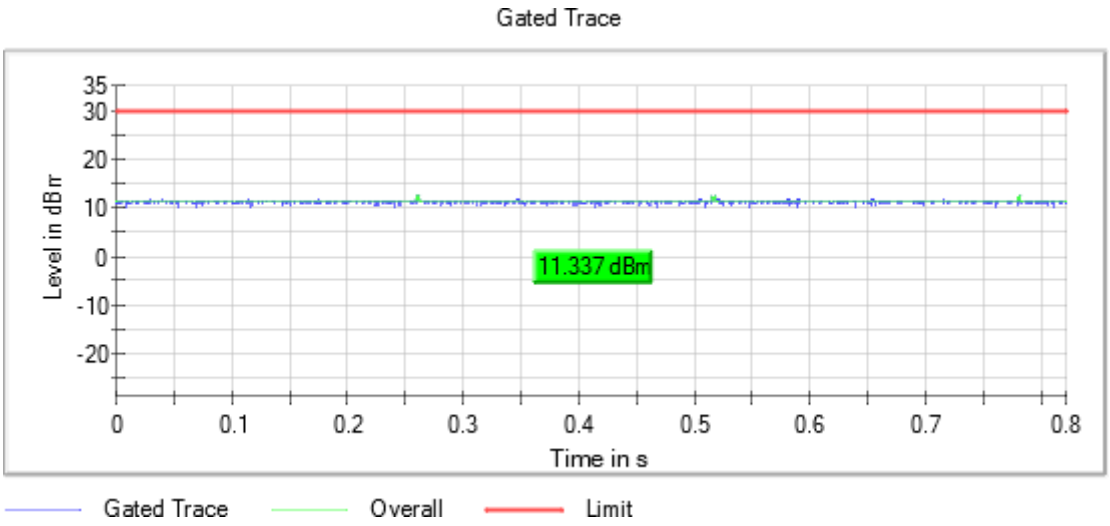
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

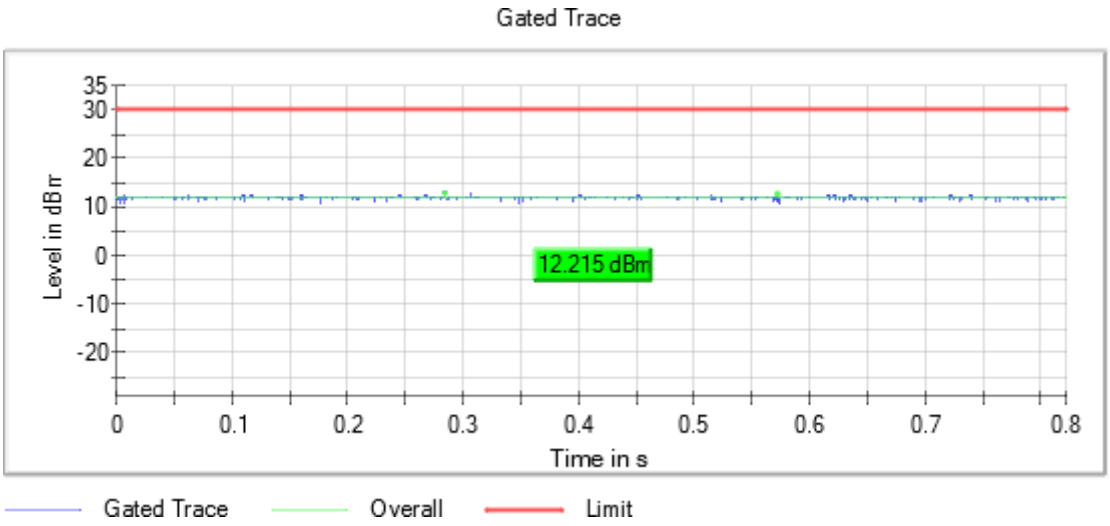
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

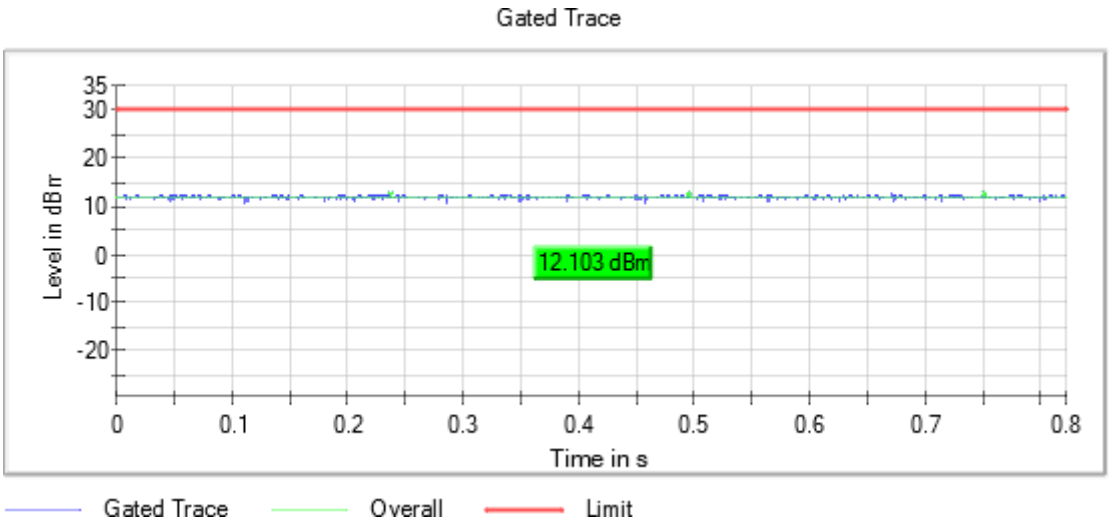
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2

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

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5190.00000	8.8	6.0
5230.00000	8.8	6.0
5270.00000	9.5	6.7
5310.00000	10.7	7.9
5510.00000	10.1	7.3
5550.00000	11.0	8.2
5670.00000	9.3	6.5
5755.00000	7.4	4.6
5795.00000	7.8	5.0

Verdict

Pass

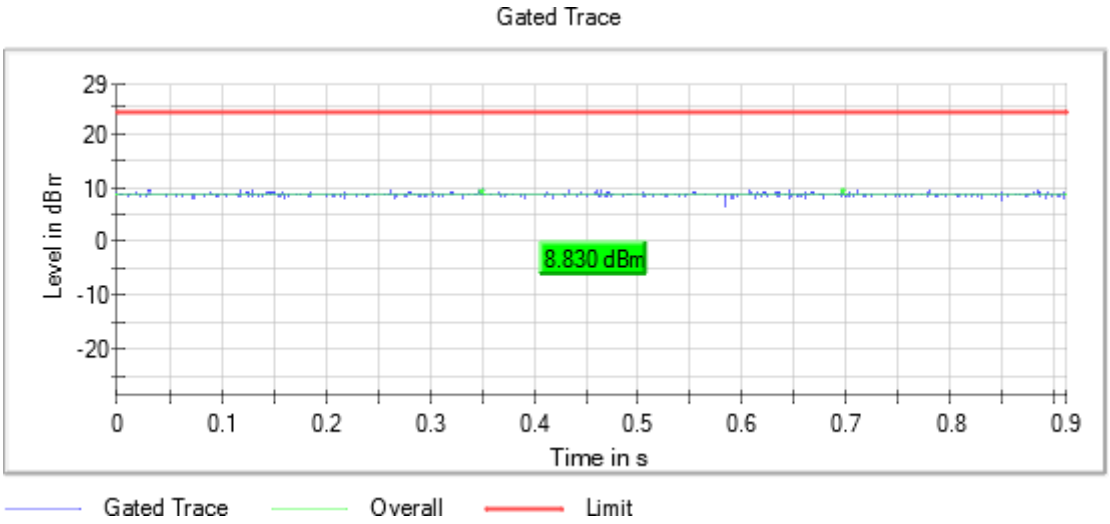
Attachments

Frequency MHz = 5190.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

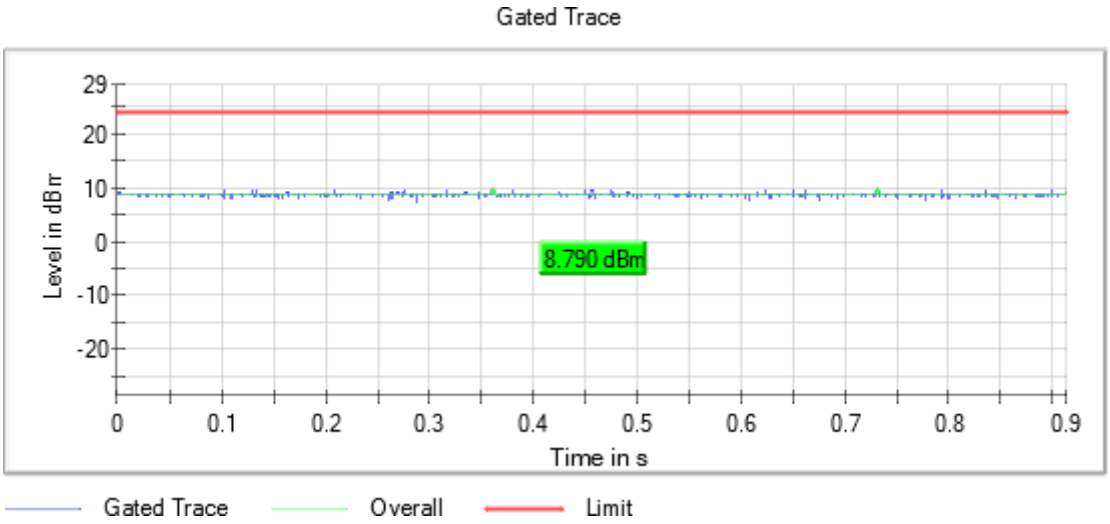
Attachments

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

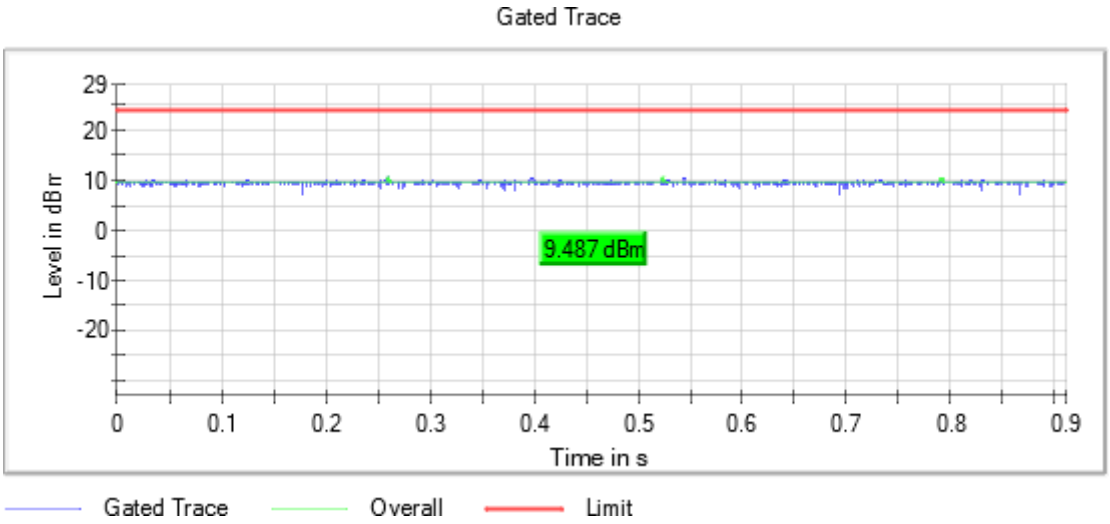
Attachments

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

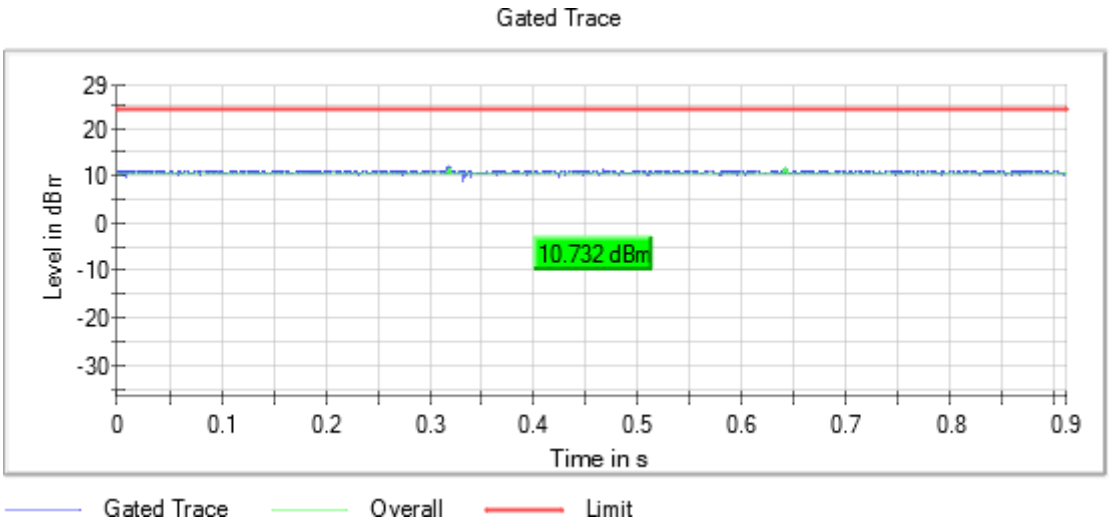
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

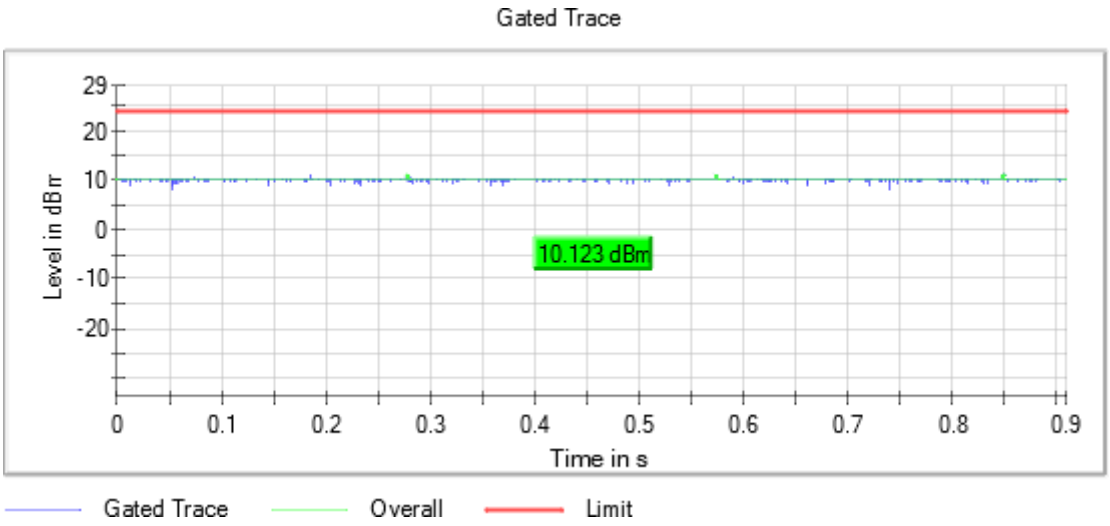
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

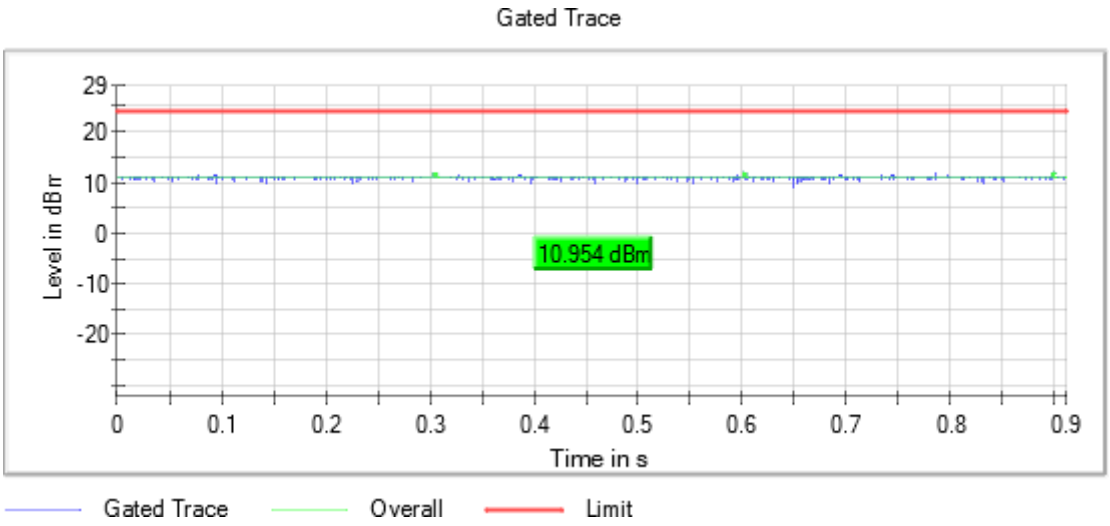
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

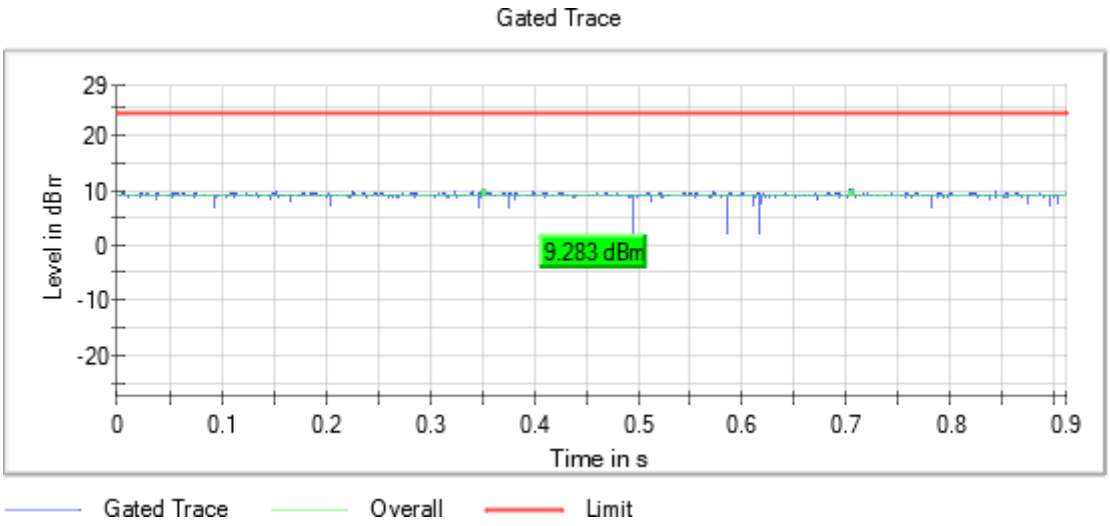
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

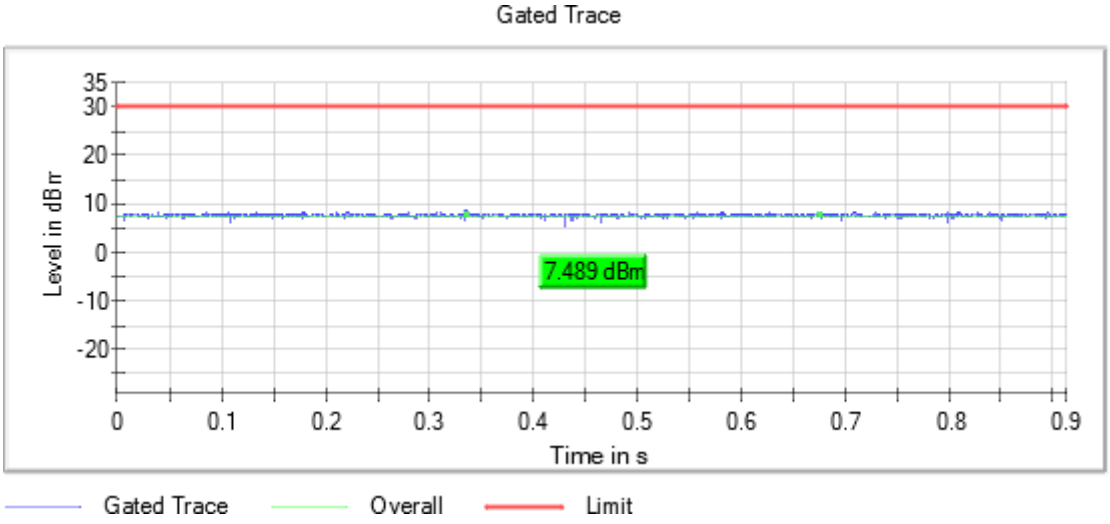
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5775.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS9)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

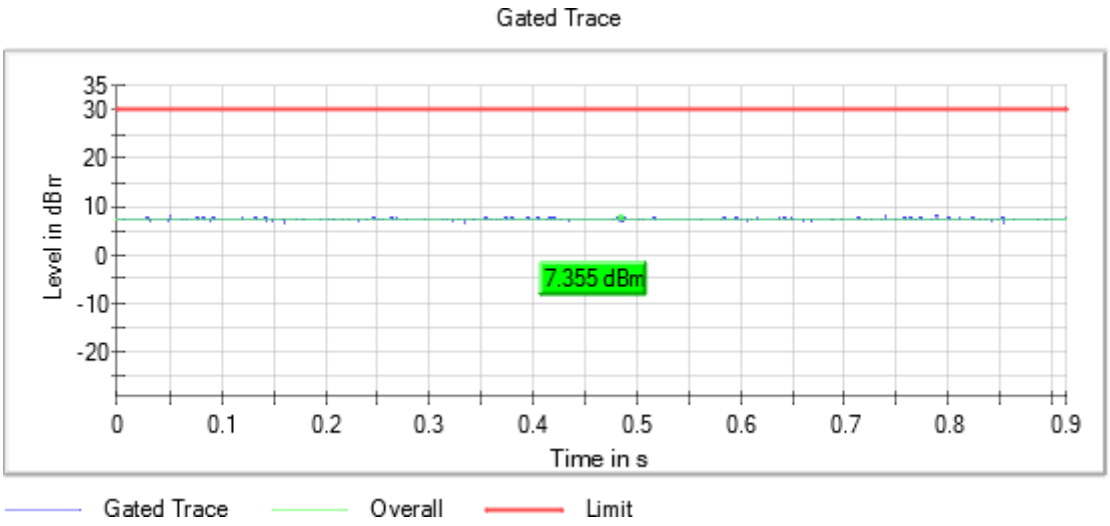
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

Antenna gain: -2.8 dBi

Mode: MIMO CCD Mode 2x2

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

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5210.00000	9.7	6.9
5290.00000	10.8	8.0
5530.00000	8.1	5.3
5610.00000	9.4	6.6
5775.00000	8.5	5.7

Verdict

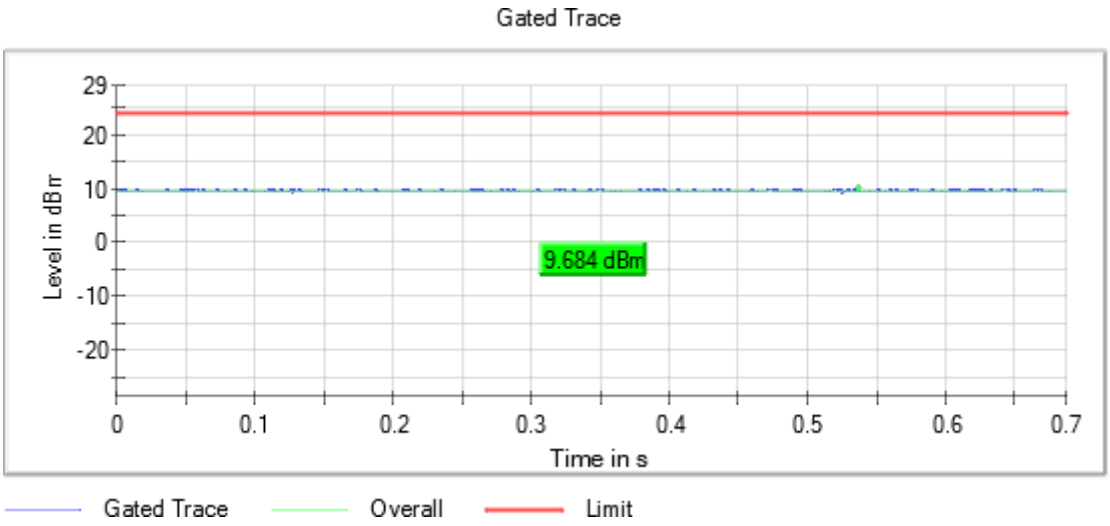
Pass

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

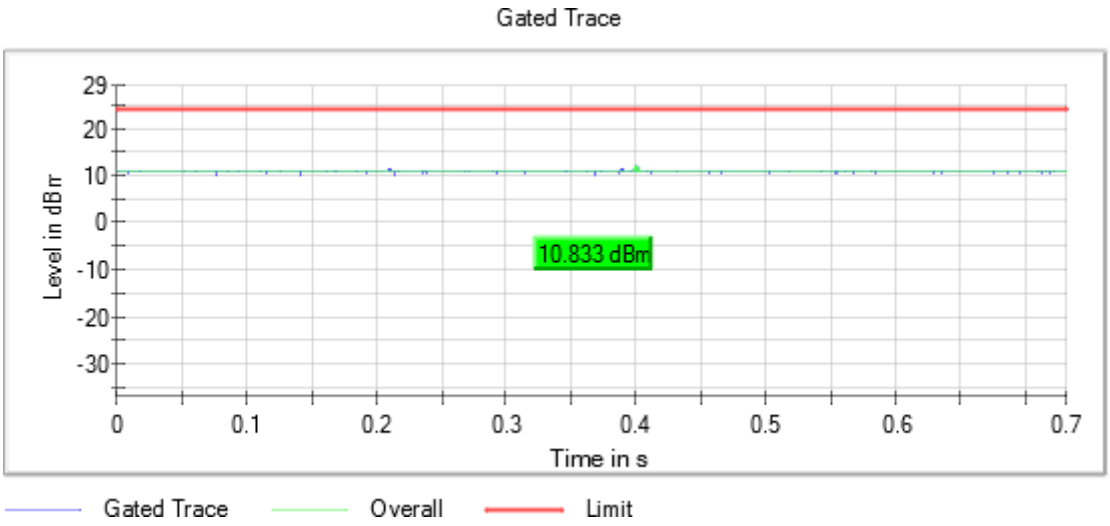
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

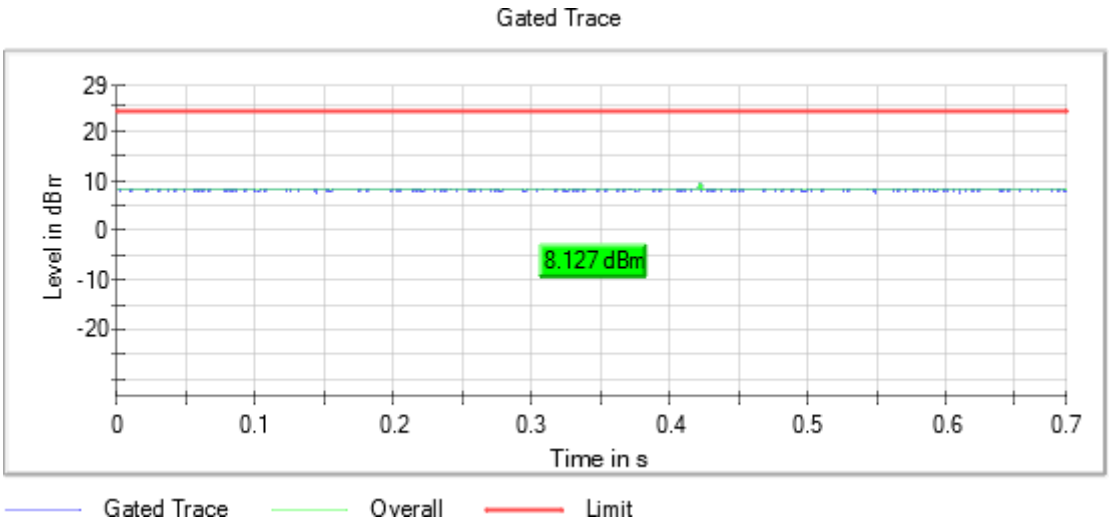
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

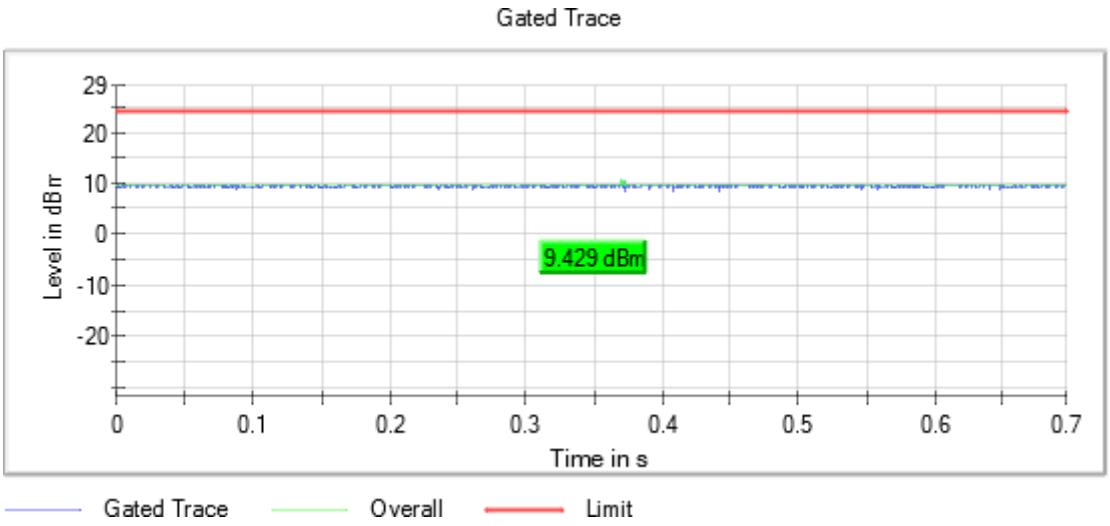
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

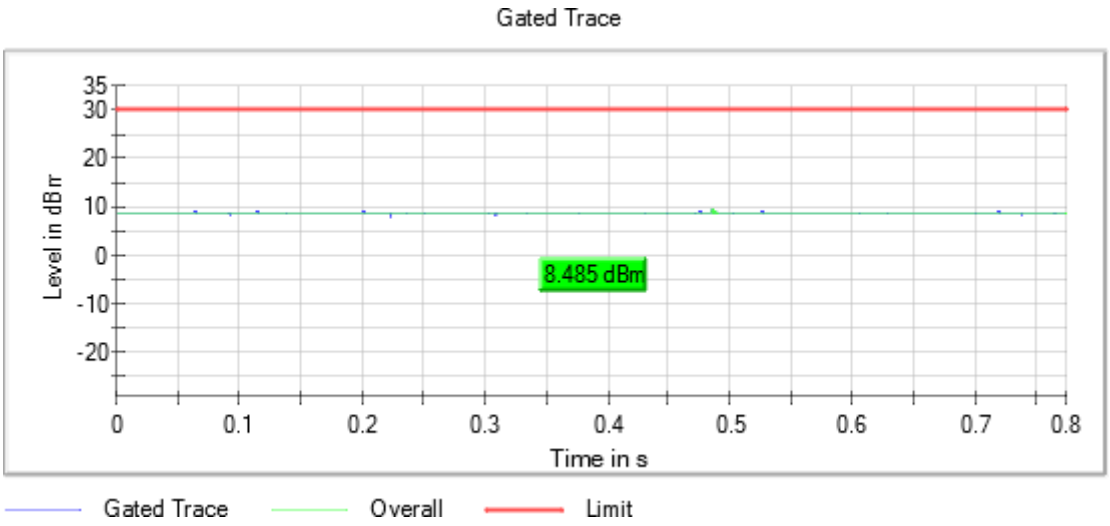
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

Antenna Gain: -2.8

Directional gain: +0.2 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT20 SS1 (OFDM MCS8) Beamforming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5260.00000	11.3	11.5
5280.00000	11.4	11.6
5320.00000	11.5	11.7
5500.00000	8.5	8.7
5580.00000	10.3	10.5
5700.00000	9.5	9.7

Verdict

Pass

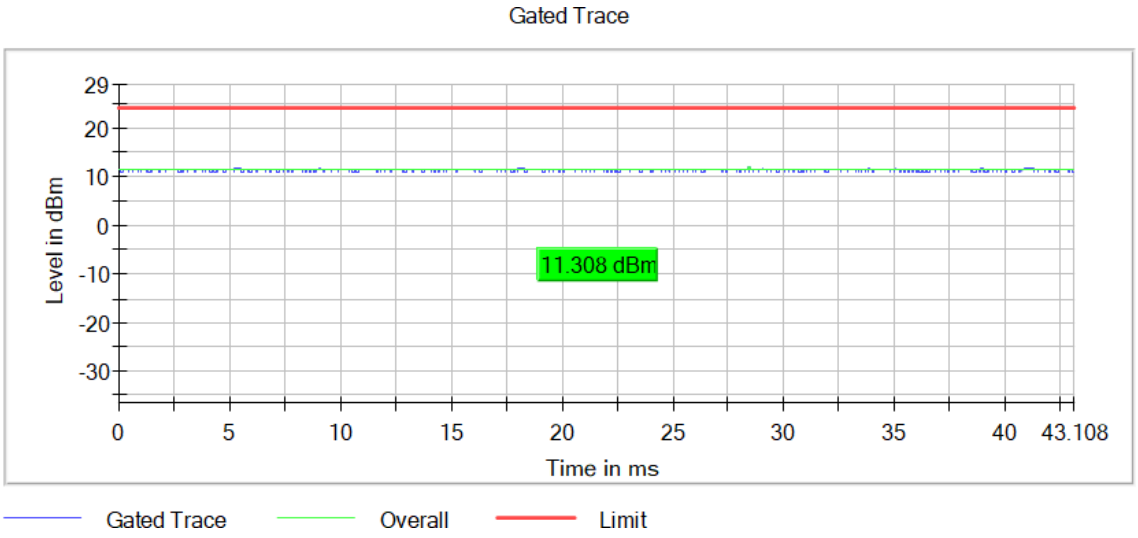
Attachments

Frequency MHz = 5260.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

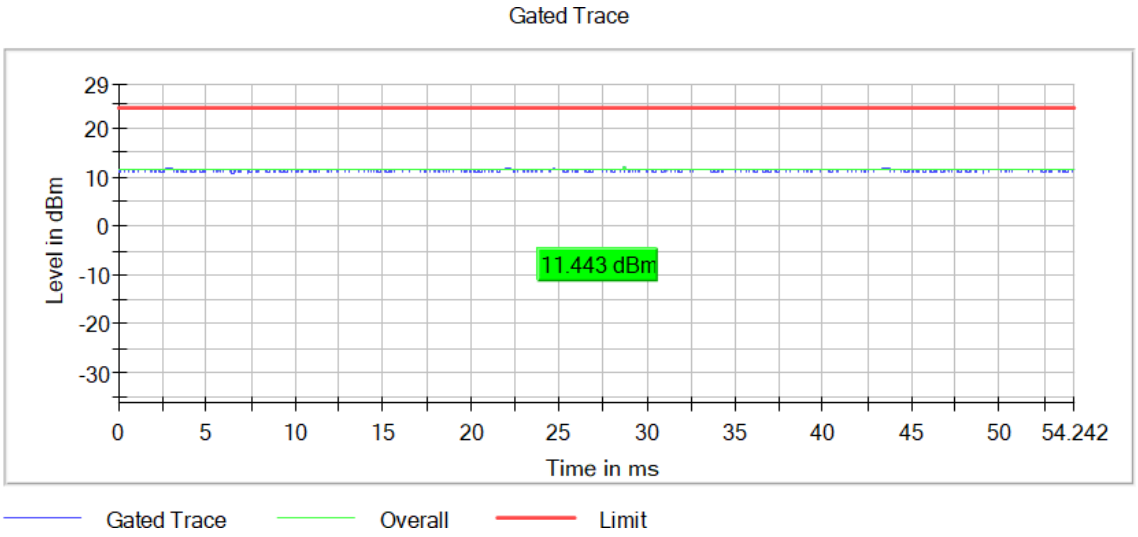
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5280.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

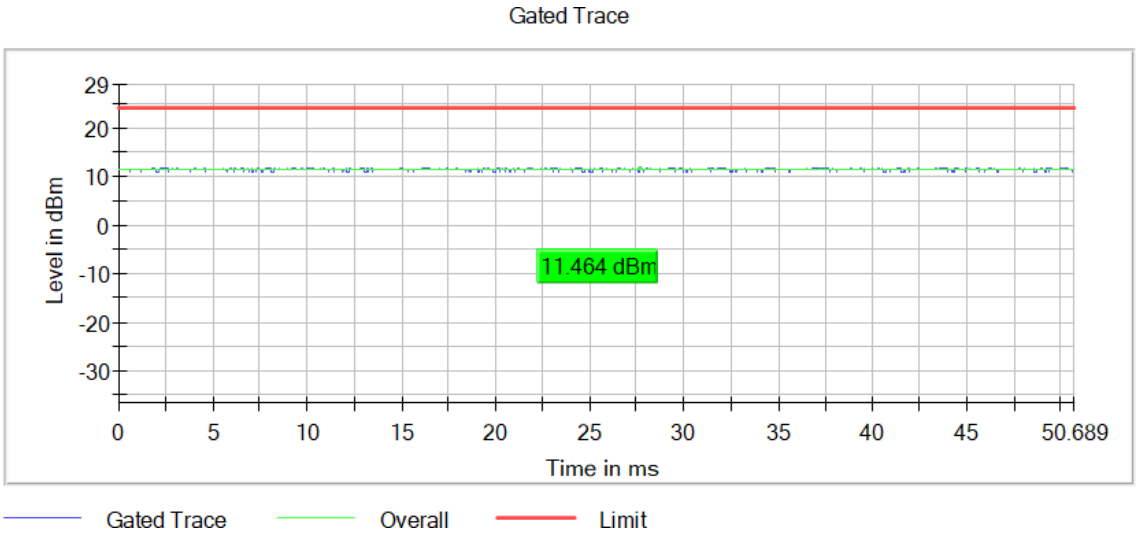
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5320.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

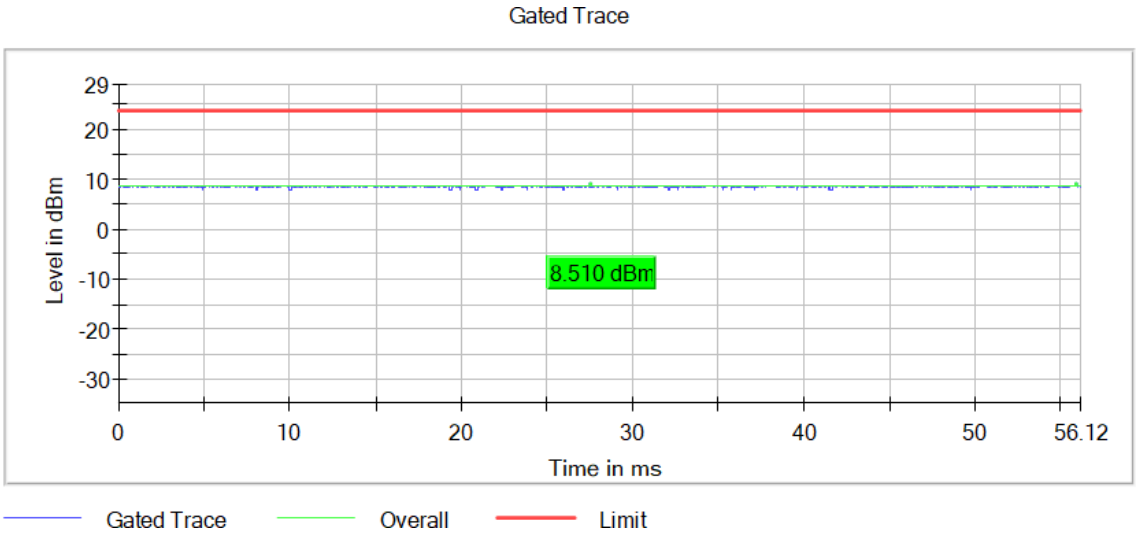
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5500.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

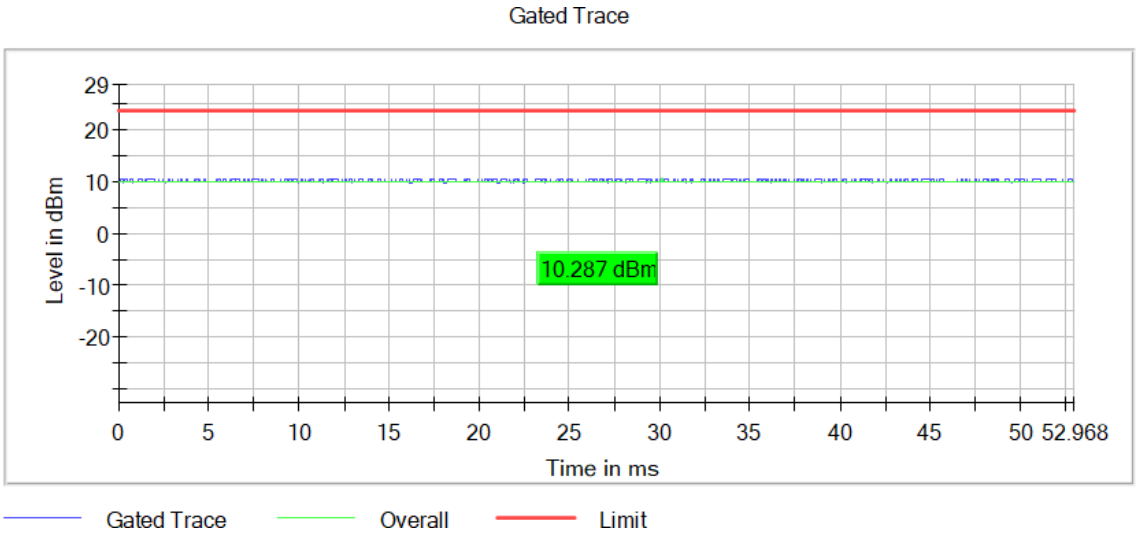
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5580.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

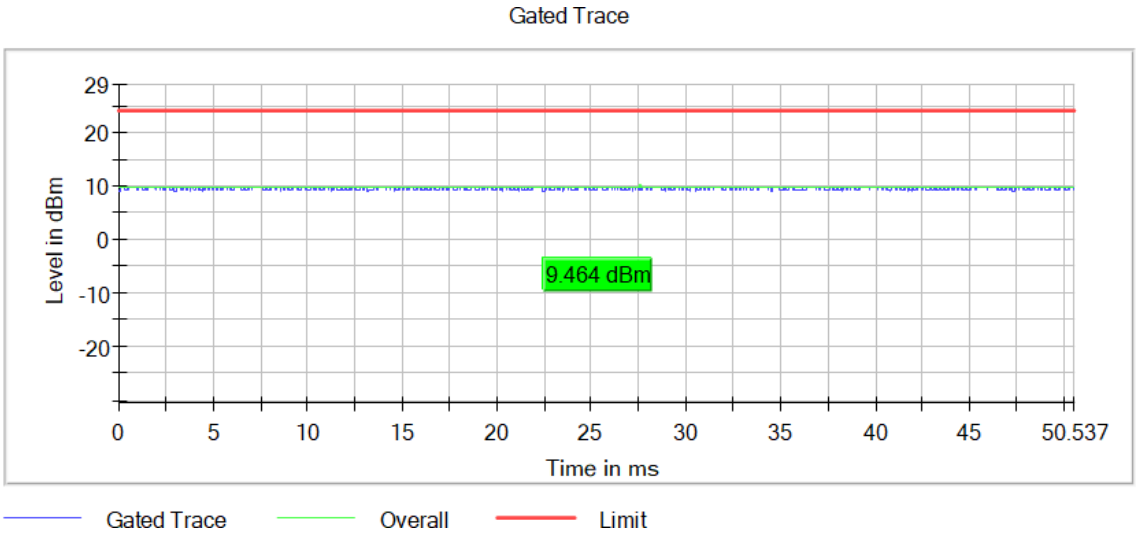
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

Antenna Gain: -2.8

Directional gain: +0.2 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT40 SS1 (OFDM MCS9) Beamforming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5270.00000	9.8	10.0
5310.00000	10.0	10.2
5510.00000	6.3	6.5
5550.00000	6.5	6.7
5670.00000	6.9	7.1

Verdict

Pass

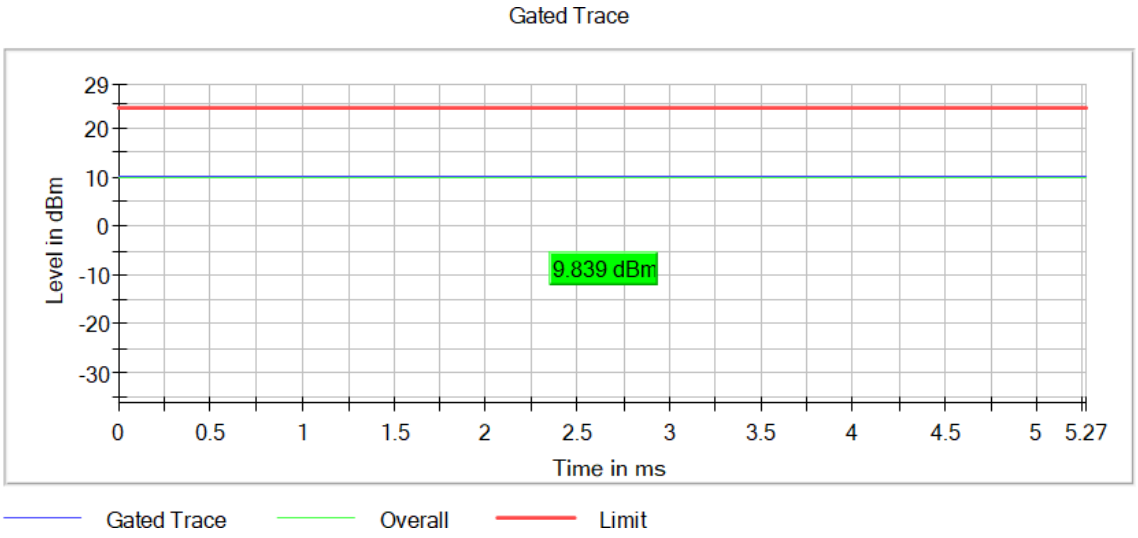
Attachments

Frequency MHz = 5270.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

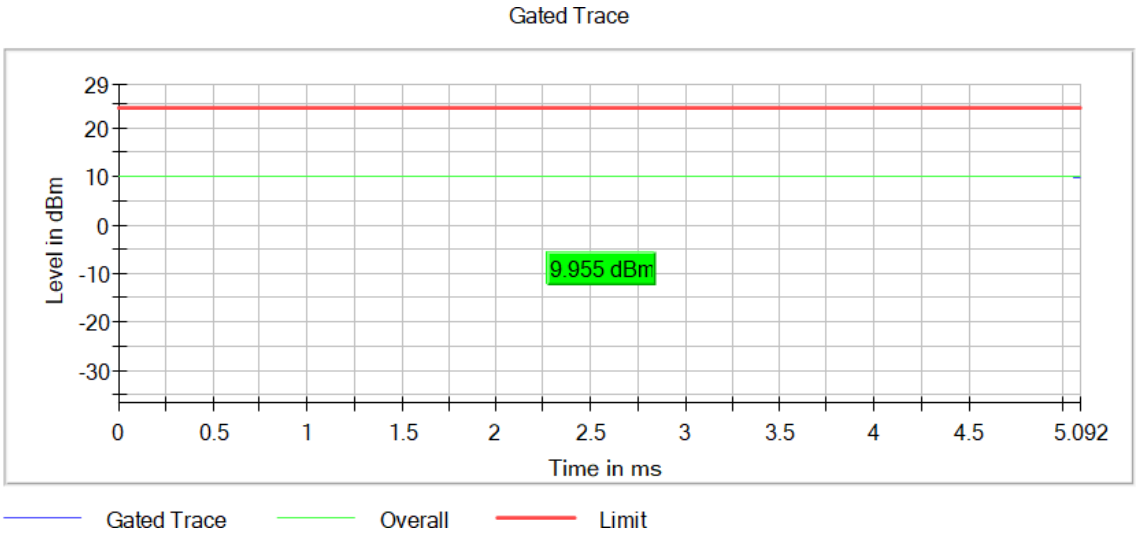
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5310.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

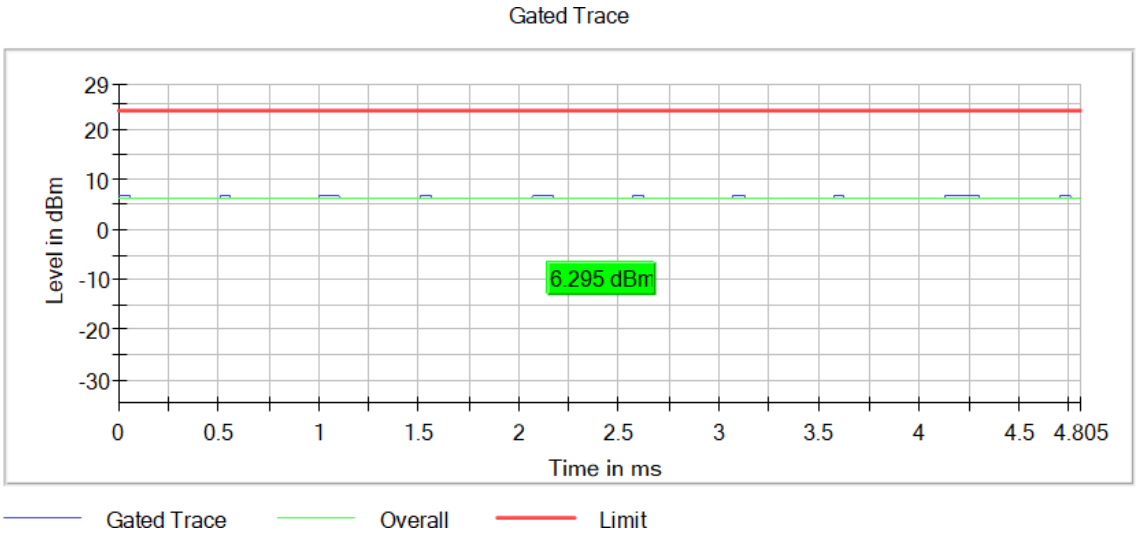
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5510.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

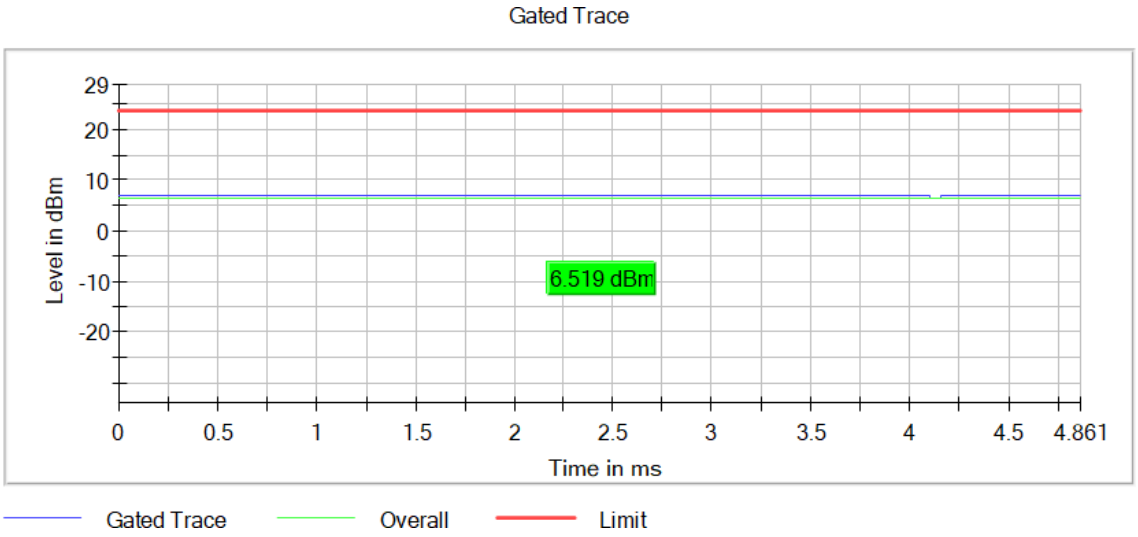
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5550.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

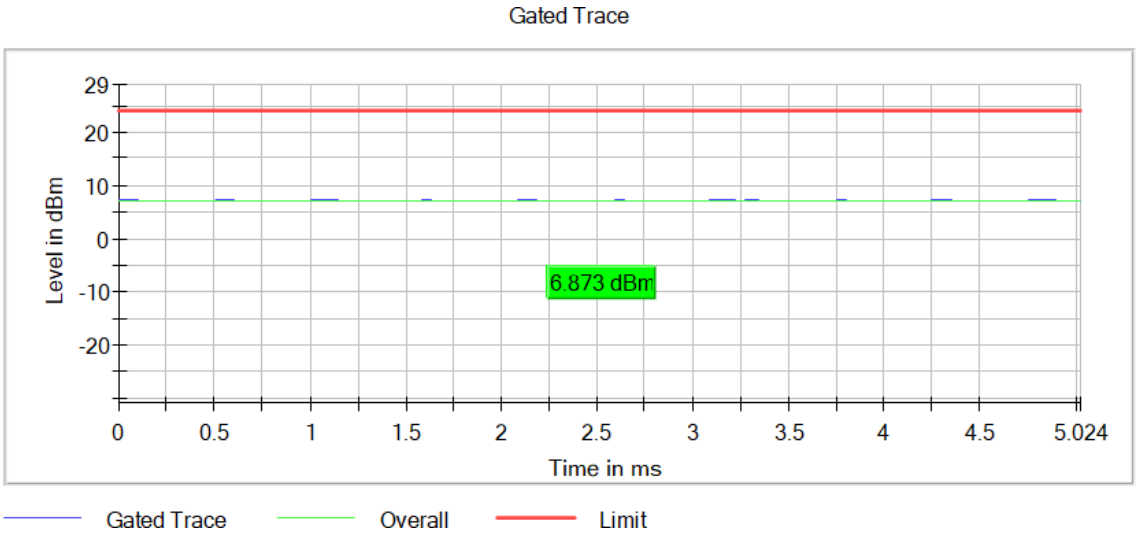
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5670.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS9)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

Antenna Gain: -2.8

Directional gain: +0.2 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ac VHT80 SS1 (OFDM MCS9) Beamforming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5290.00000	7.5	7.7
5530.00000	7.9	8.1
5610.00000	9.4	9.6

Verdict

Pass

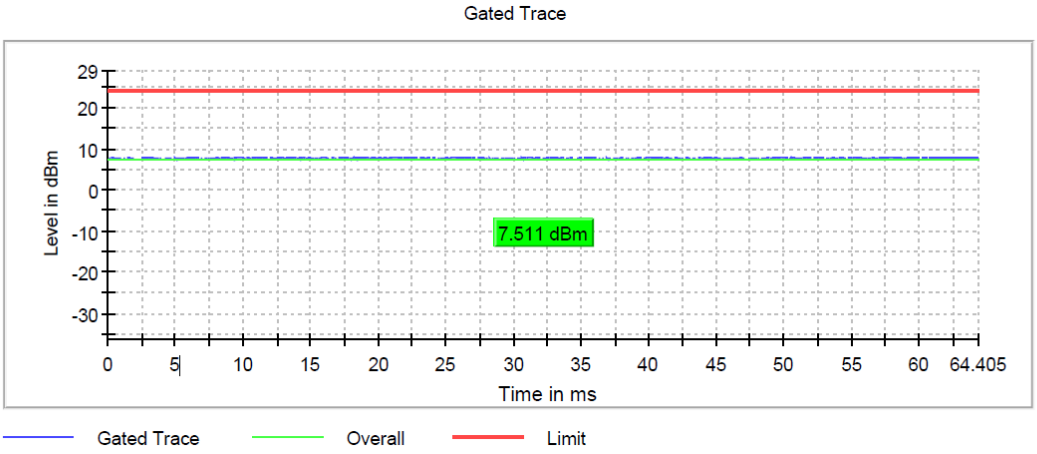
Attachments

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

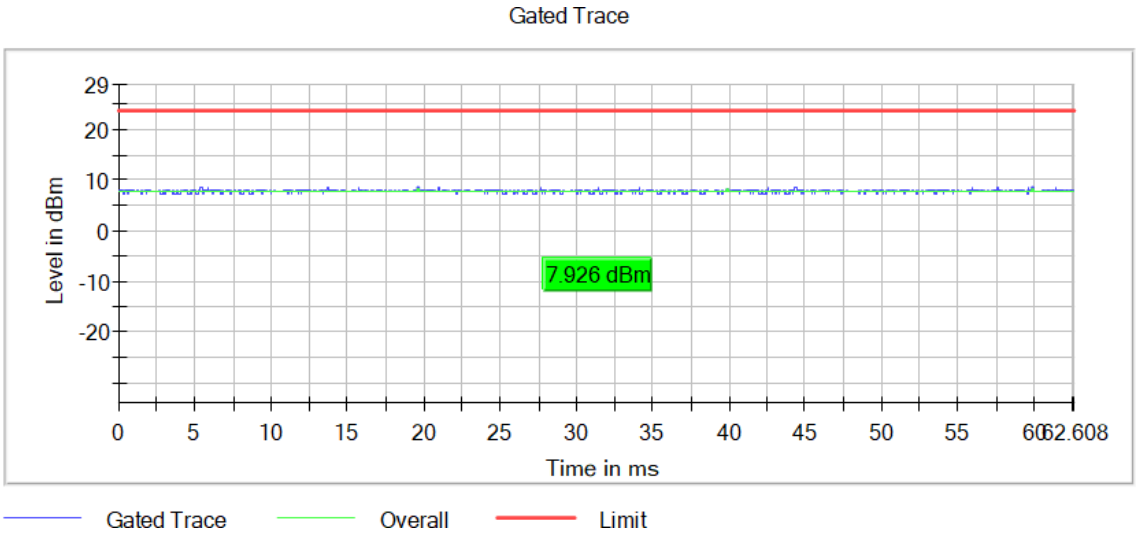
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5530.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS9)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

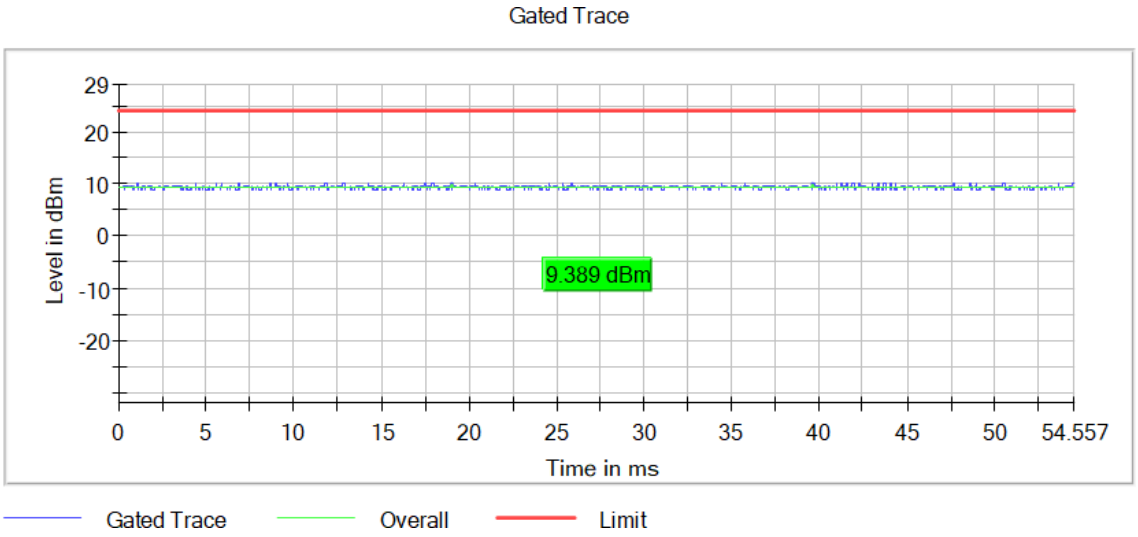
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

Antenna Gain: -2.8

Directional gain: +0.2 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE20 SS1 (OFDMA MCS8) Beamforming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5260.00000	12.3	12.5
5280.00000	12.5	12.7
5320.00000	12.4	12.6
5500.00000	8.4	8.6
5580.00000	9.8	10.0
5700.00000	9.3	9.5

Verdict

Pass

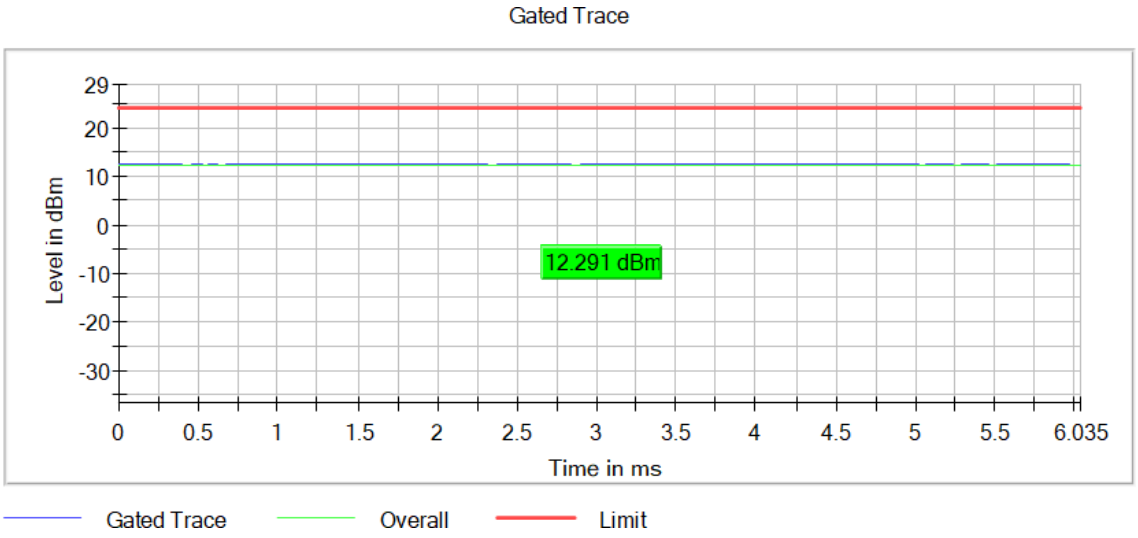
Attachments

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

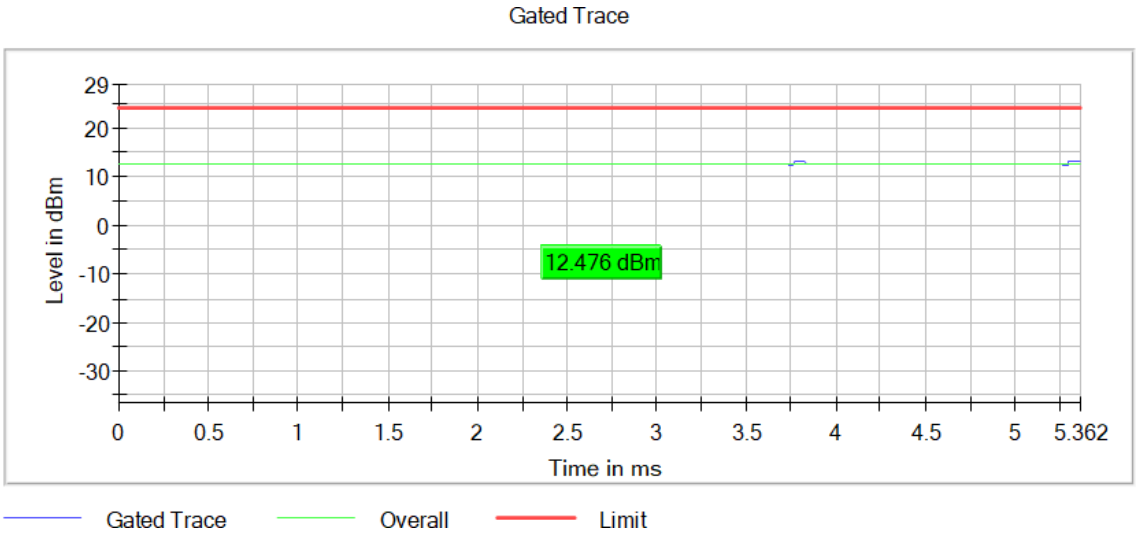
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5280.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

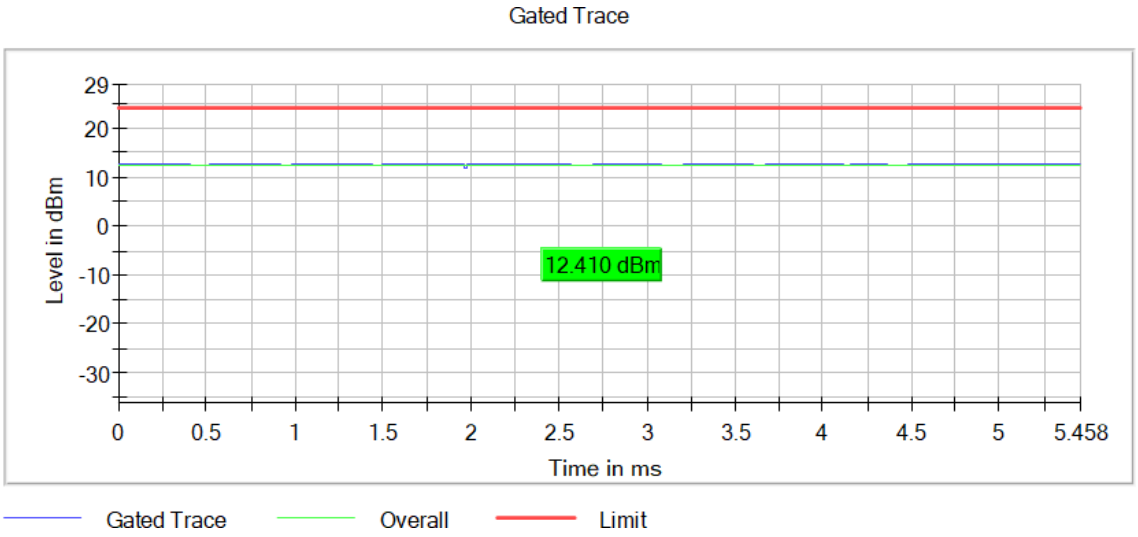
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

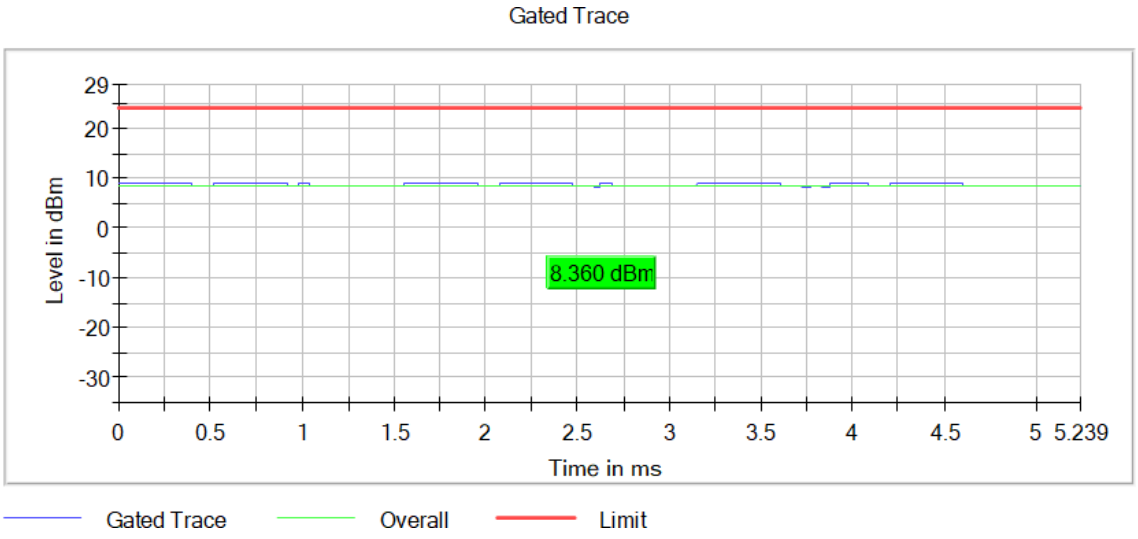
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5500.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

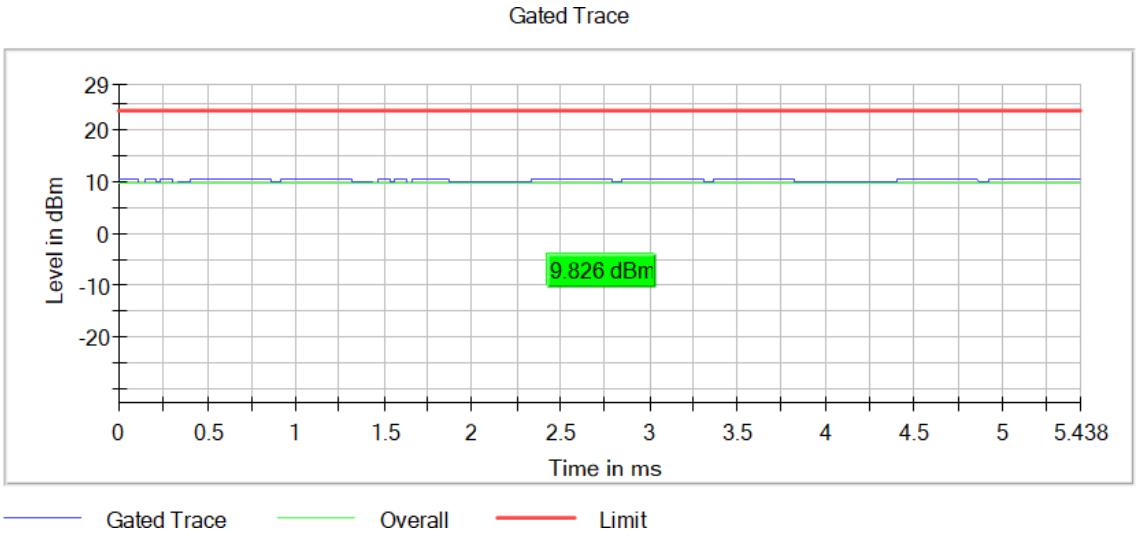
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5580.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

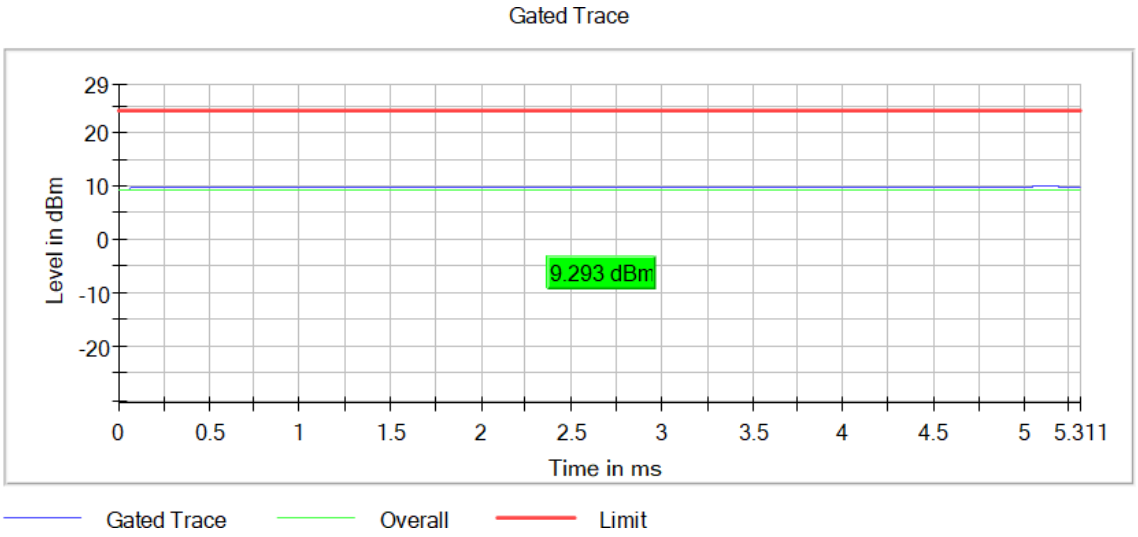
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

Frequency MHz = 5700.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS8)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

Antenna Gain: -2.8

Directional gain: +0.2 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE40 SS1 (OFDMA MCS9) Beamforming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5270.00000	10.3	10.5
5310.00000	10.3	10.5
5510.00000	5.0	5.2
5550.00000	5.8	6.0
5670.00000	5.7	5.9

Verdict

Pass

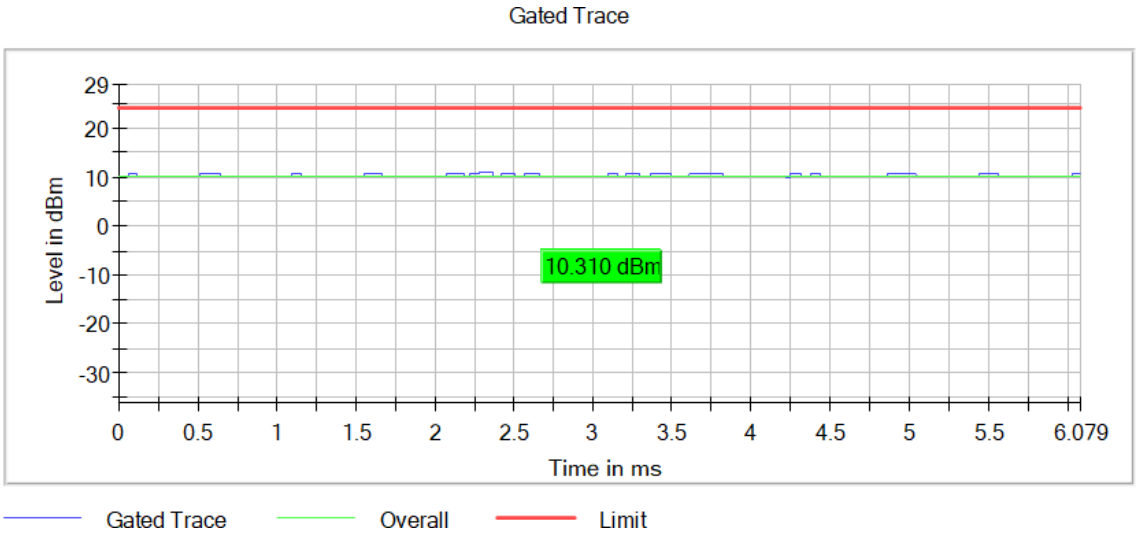
Attachments

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

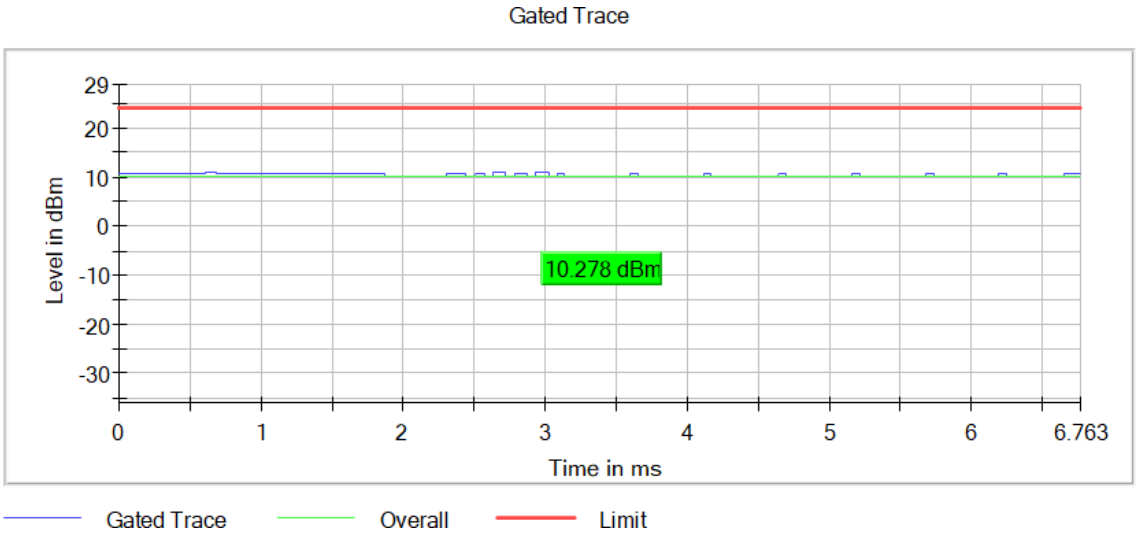
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

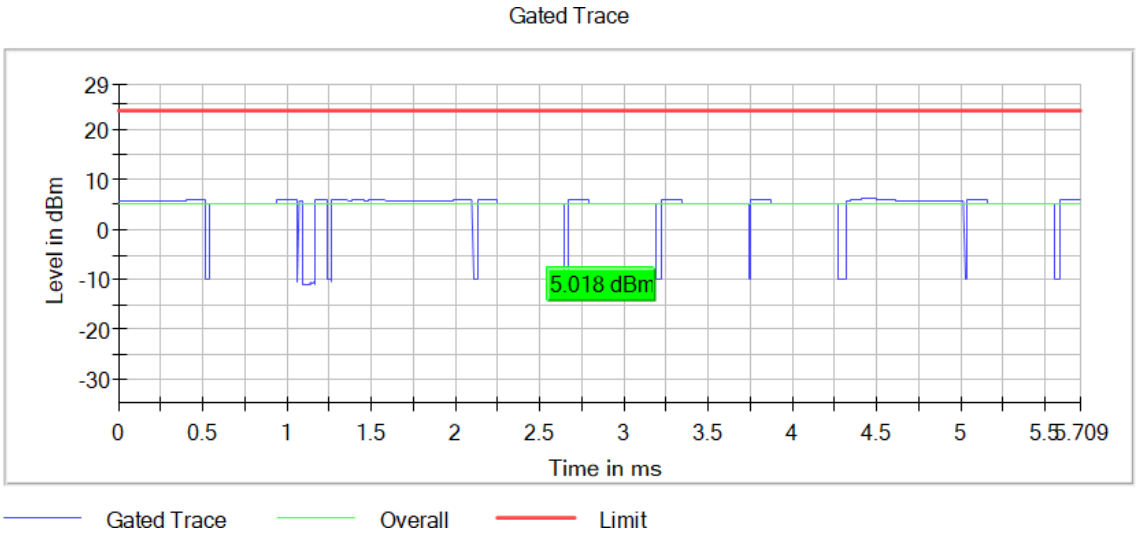
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

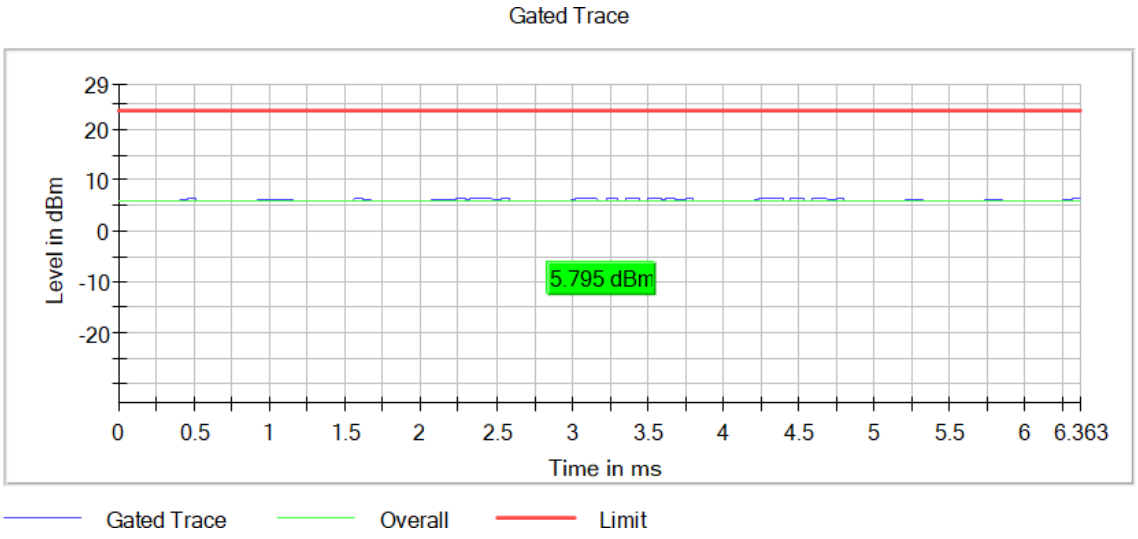
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

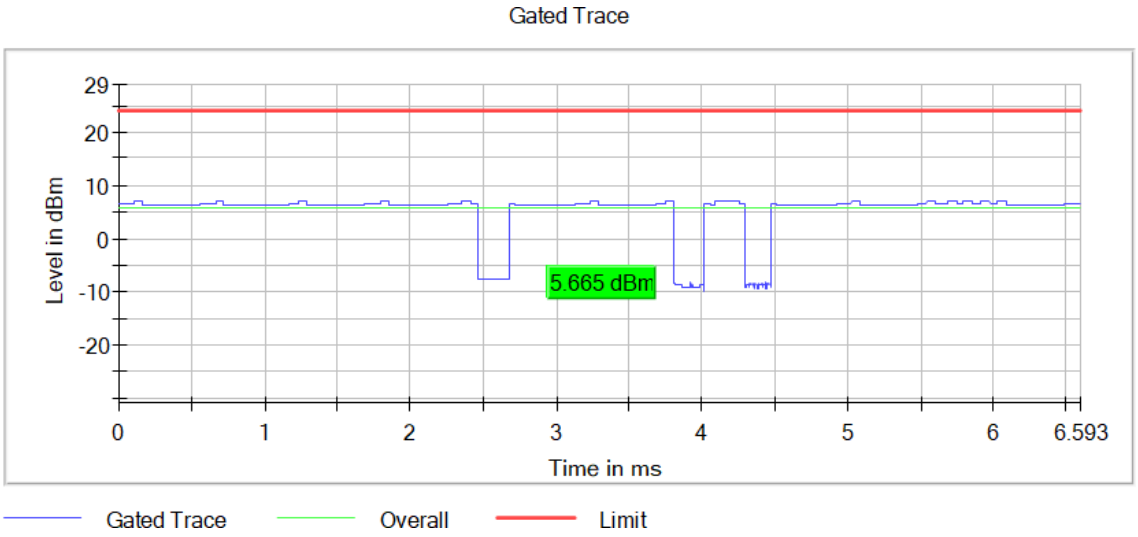
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

Antenna Gain: -2.8

Directional gain: +0.2 dBi

Mode: MIMO CCD Mode 2x2

Modulation: 802.11ax HE80 SS1 (OFDMA MCS11) Beamforming

Results

Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
5290.00000	10.7	10.9
5530.00000	6.1	6.3
5610.00000	7.6	7.8

Verdict

Pass

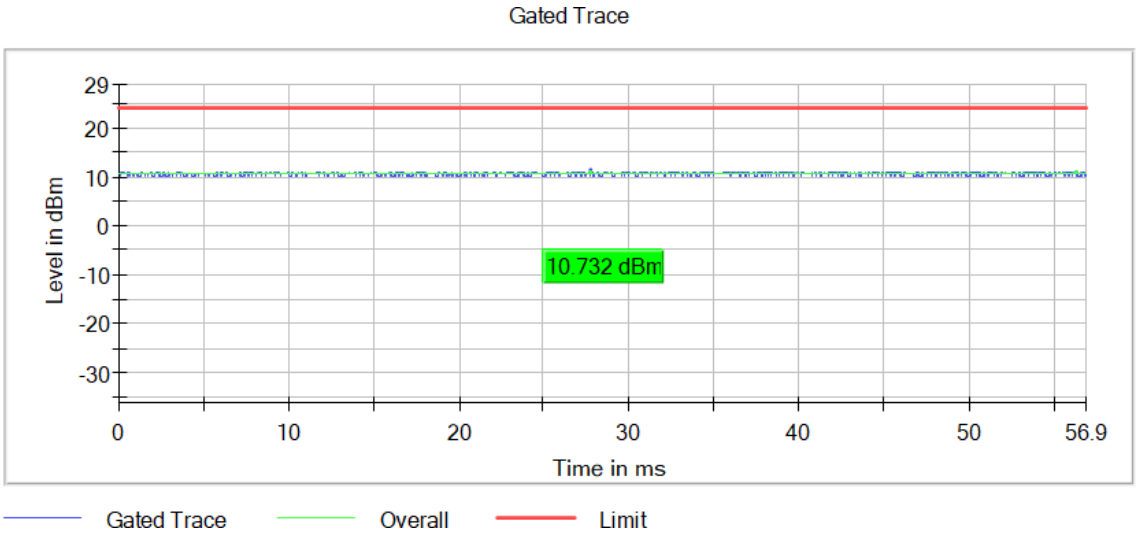
Attachments

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

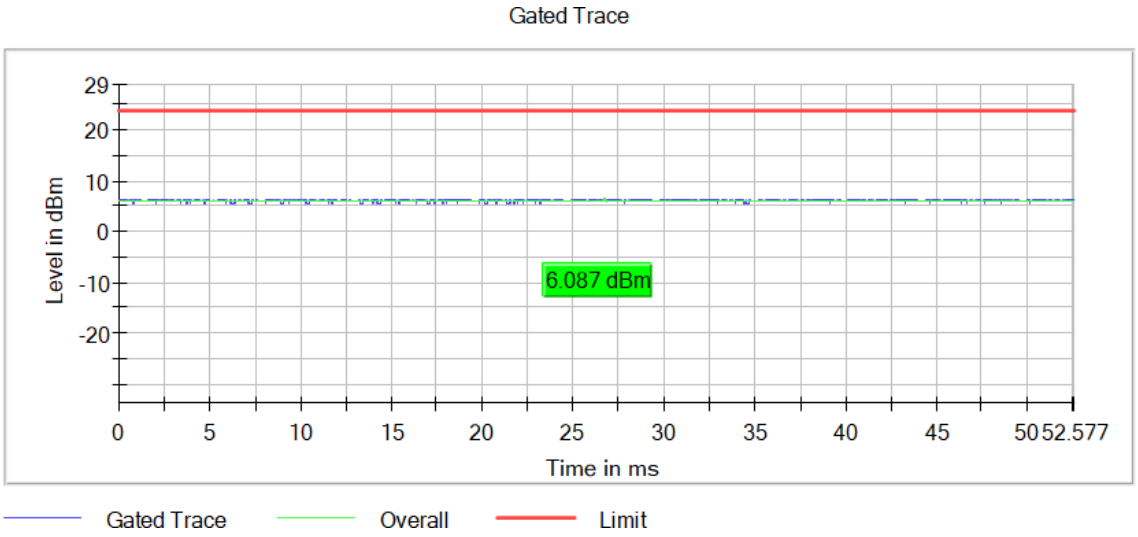
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

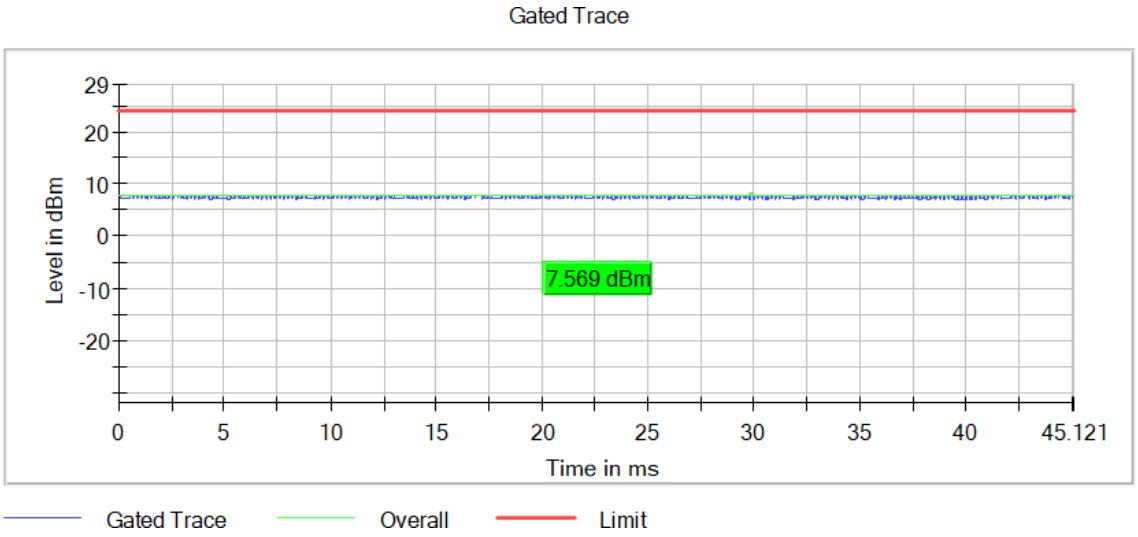
Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 µs	1.000 µs

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

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Tables:

Spectrum Analyzer Parameters

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

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 + 10log(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.

Mode: MIMO CCD Mode 2x2

Modulation: 802.11a (OFDM 54 Mbit/s)

Results

Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5260.00000	5257.821782	6.25
5280.00000	5282.574257	6.14
5320.00000	5322.970297	6.41
5500.00000	5502.574257	2.45
5580.00000	5582.772277	3.62
5700.00000	5696.237624	3.70

Verdict

Pass

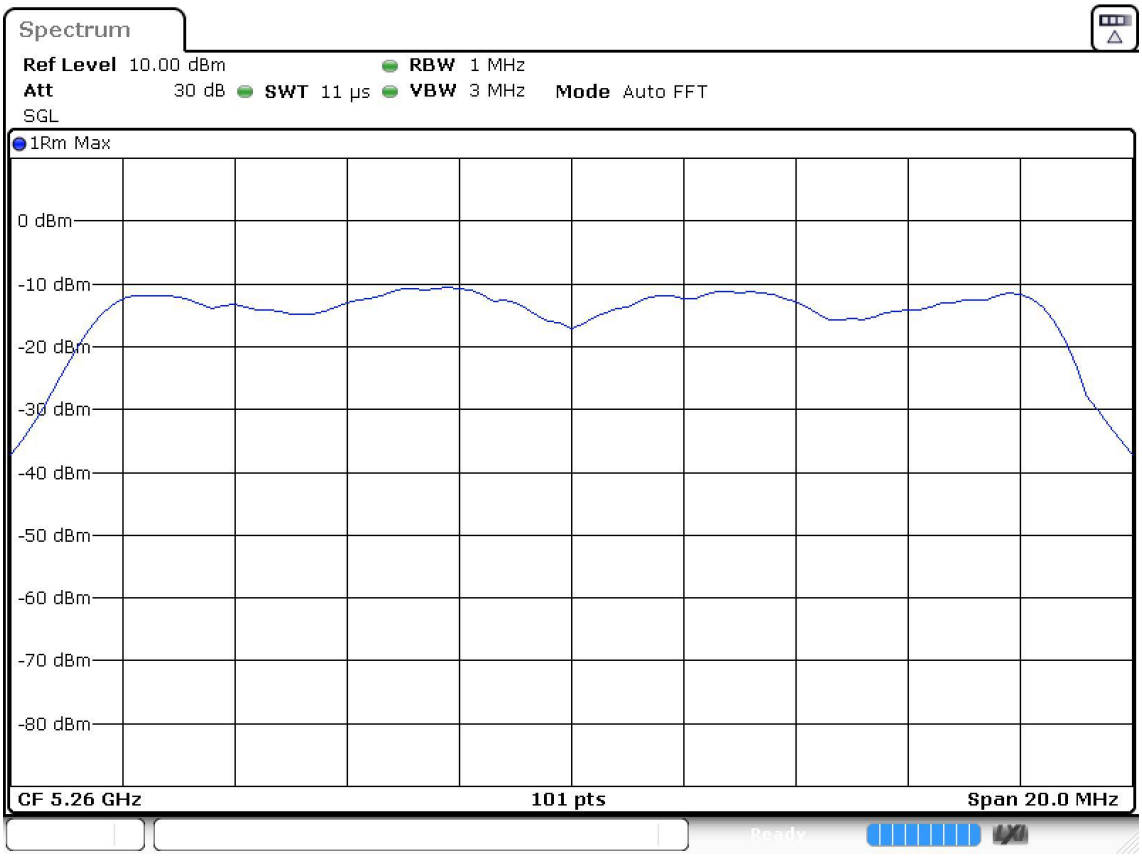
Attachments

Frequency MHz = 5260.00000 Modulation = 802.11a (OFDM 54 Mbit/s)

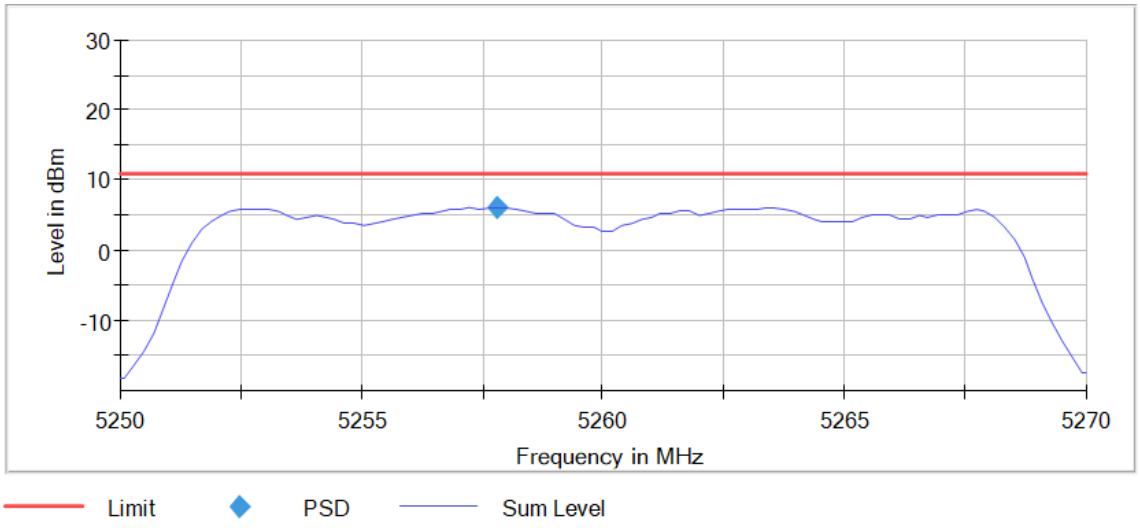
TPC = No Mode = MIMO CCD Mode 2x2

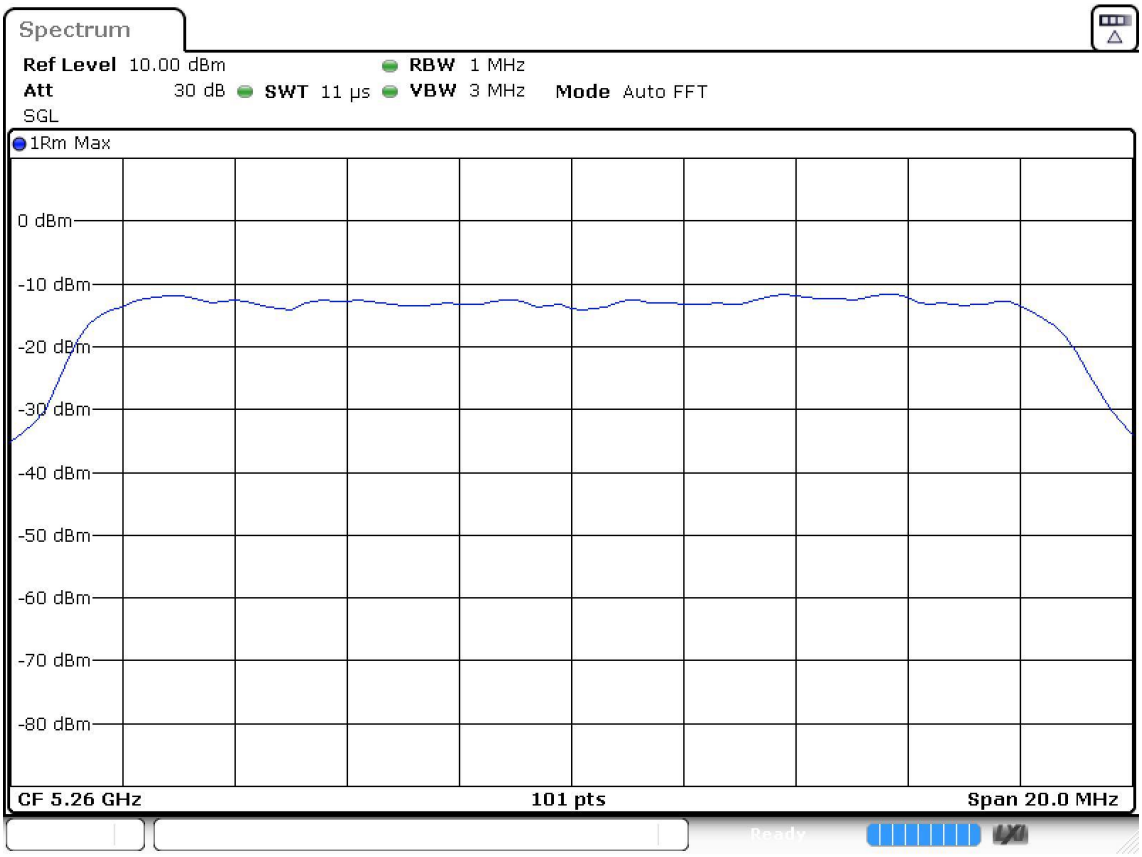
Number of Transmission Chains = 2

Images:



Date: 21.SEP.2021 11:49:09





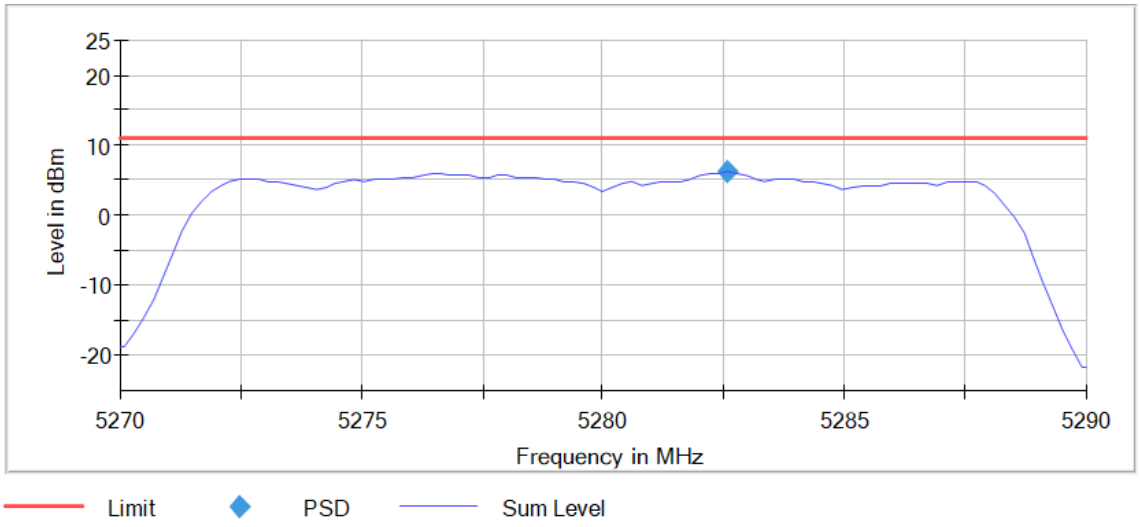
Date: 21.SEP.2021 11:49:20

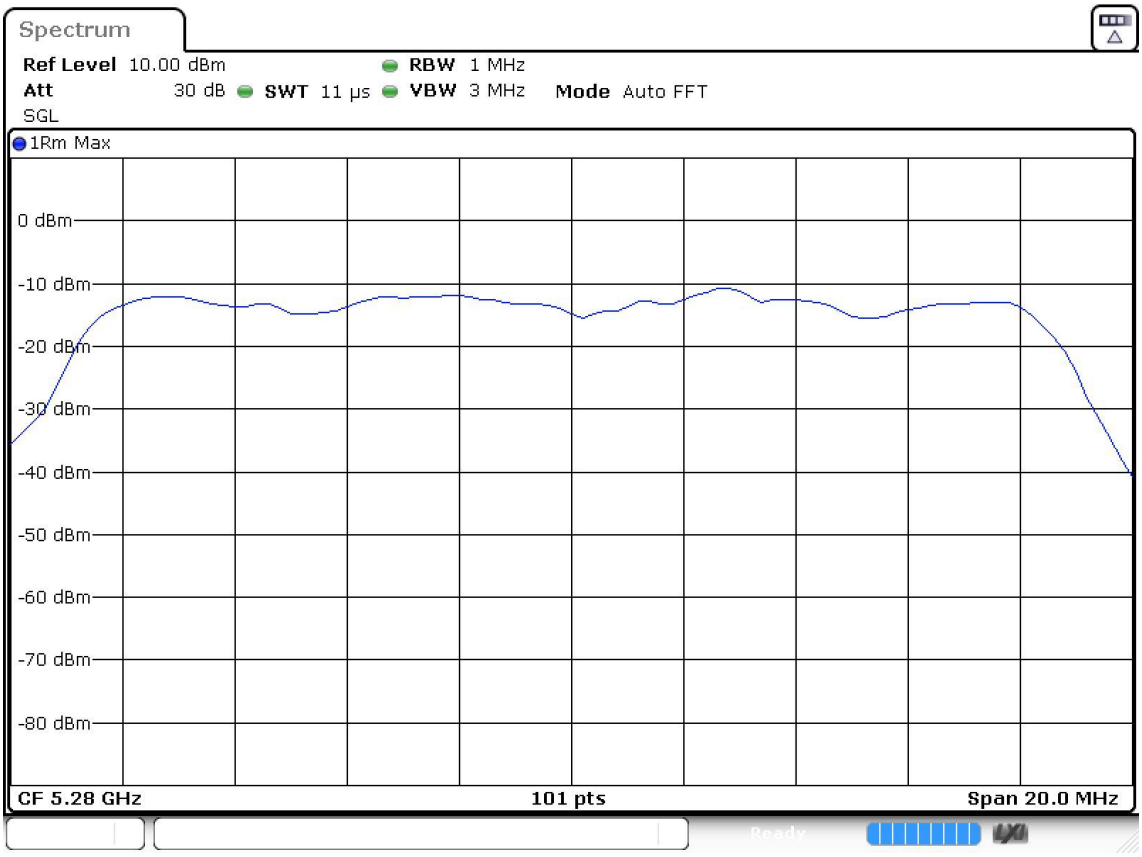
Frequency MHz = 5280.00000 Modulation = 802.11a (OFDM 54 Mbit/s)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:





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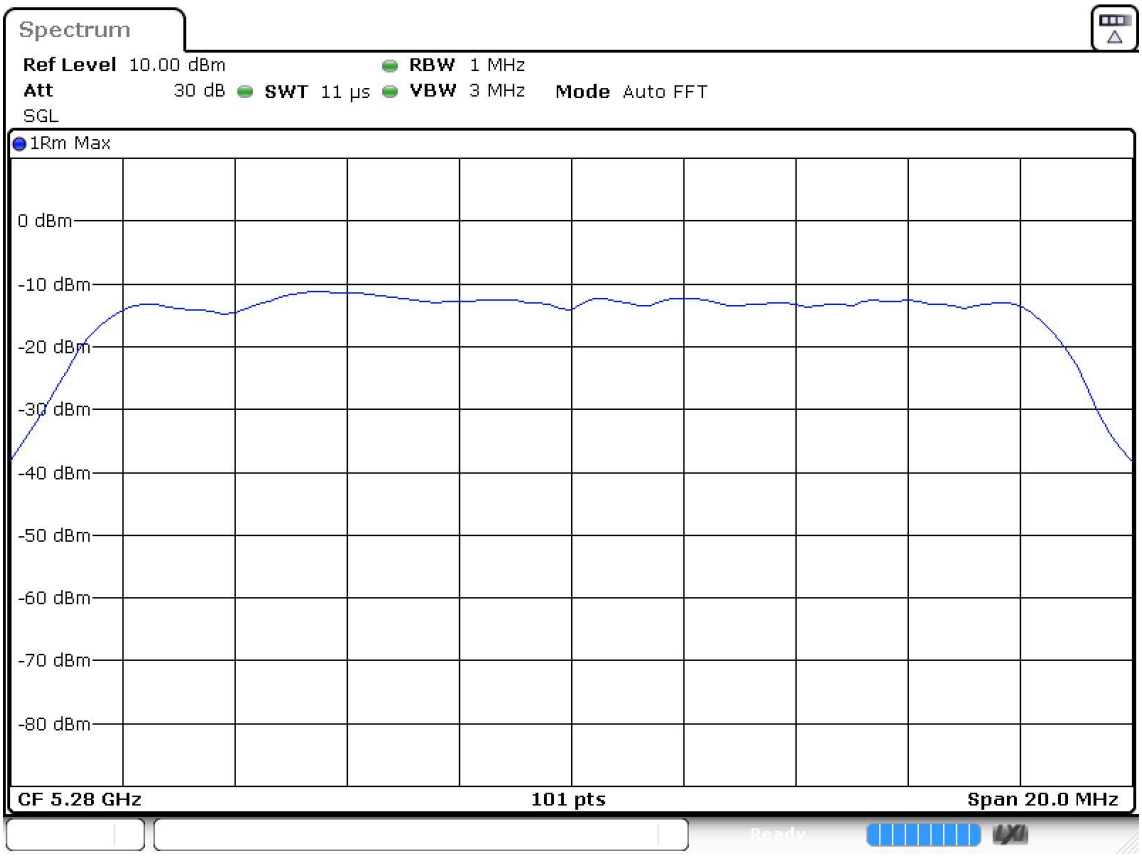


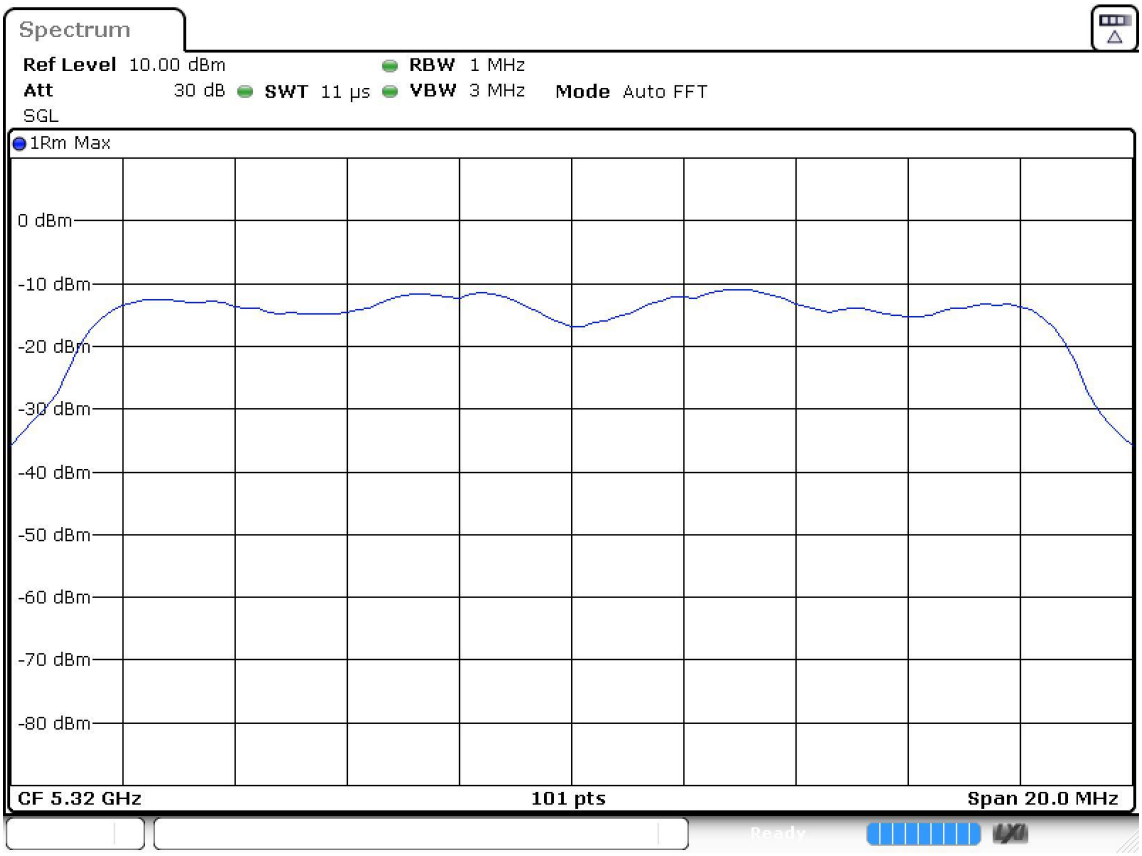
Date: 21.SEP.2021 11:58:34

Frequency MHz = 5320.00000 Modulation = 802.11a (OFDM 54 Mbit/s)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



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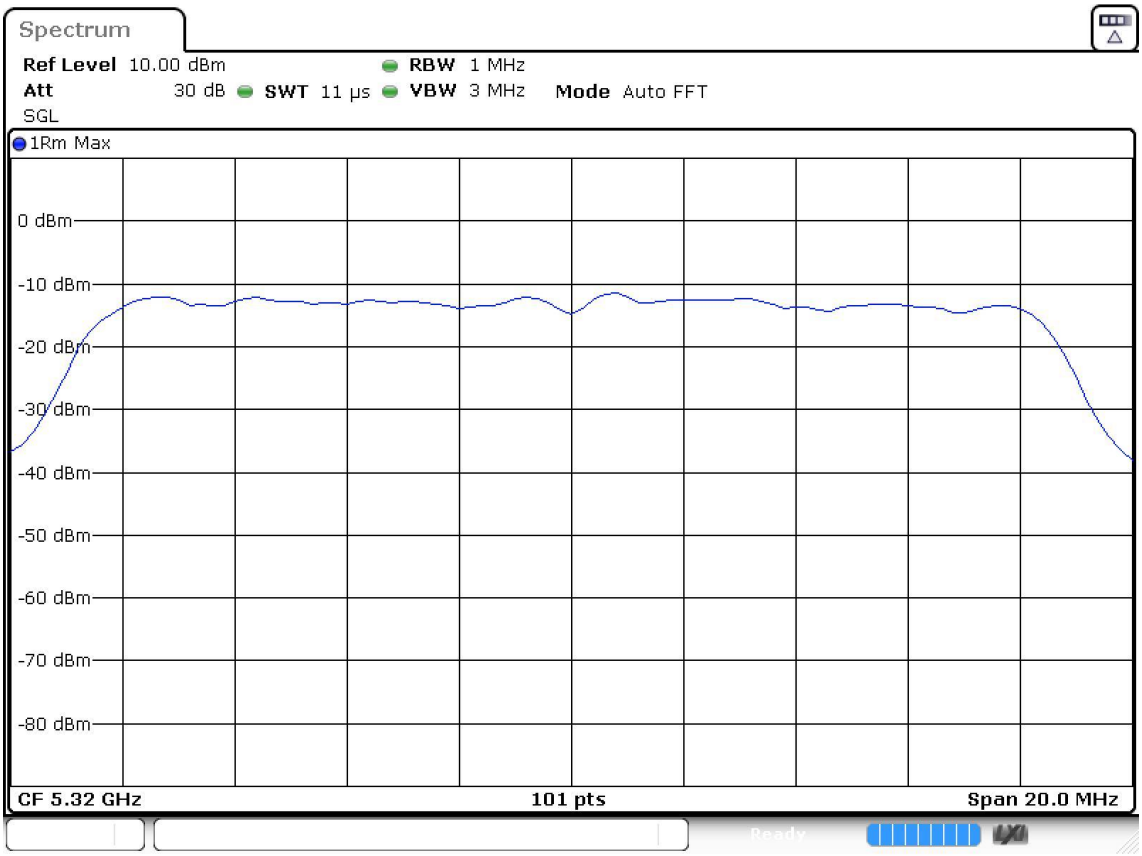

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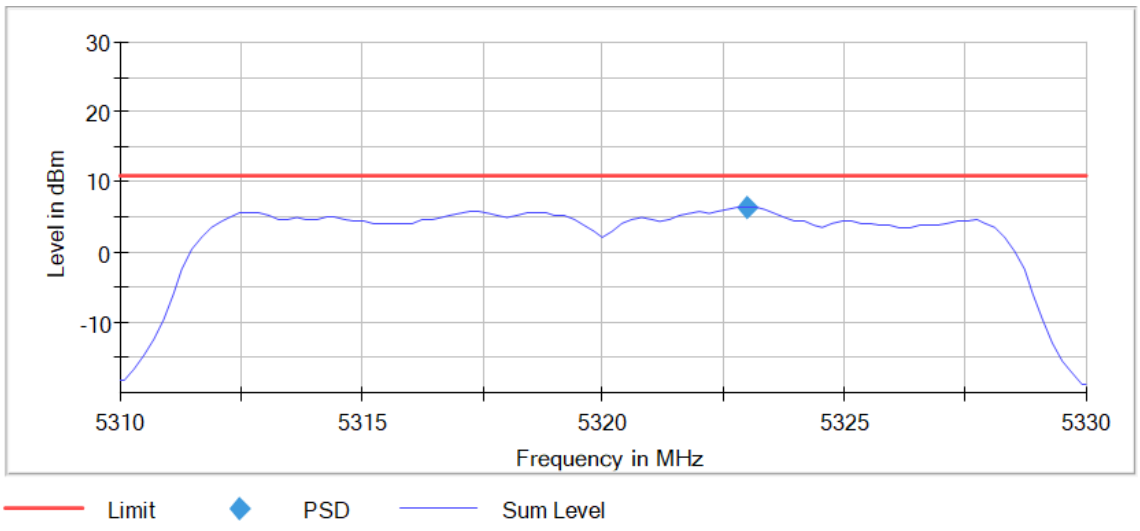
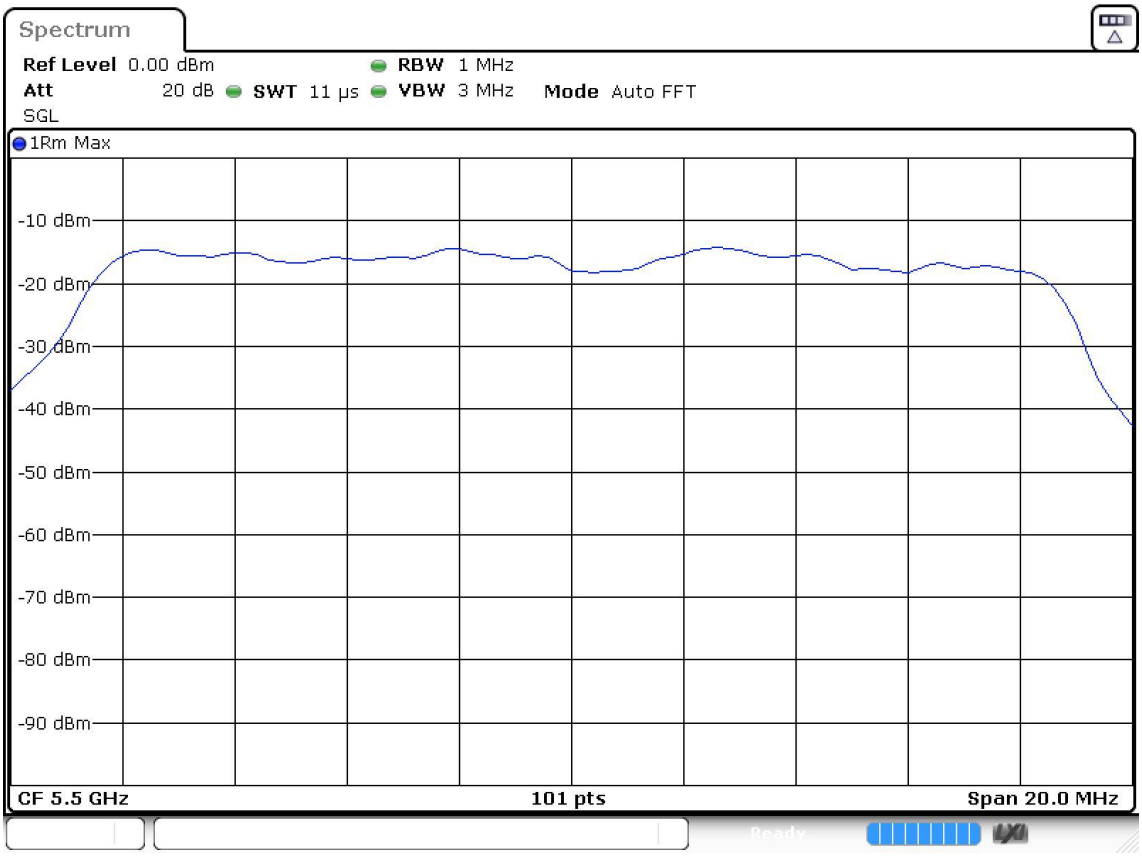


Frequency MHz = 5500.00000 Modulation = 802.11a (OFDM 54 Mbit/s)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



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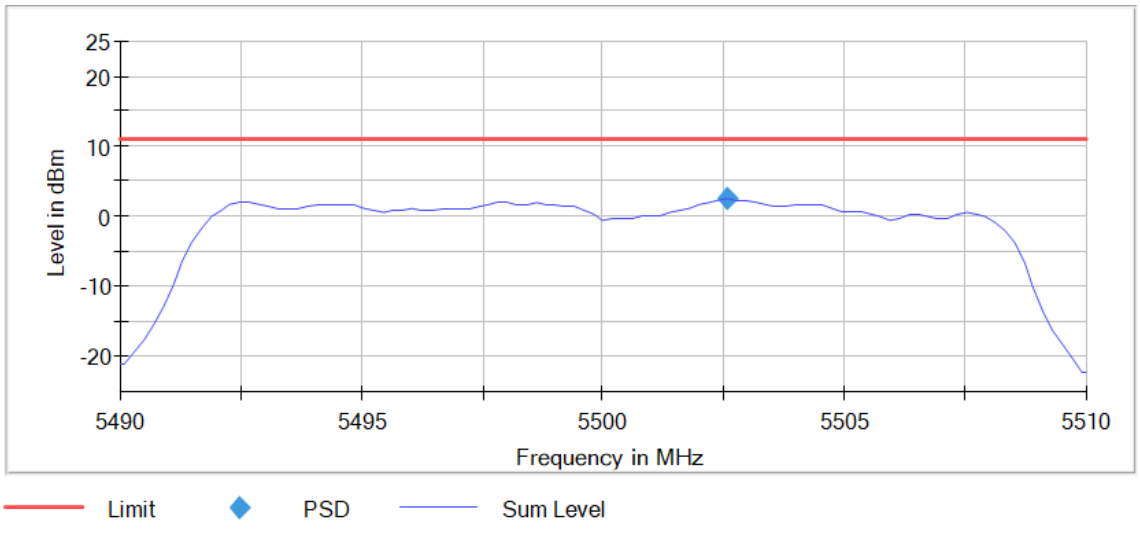
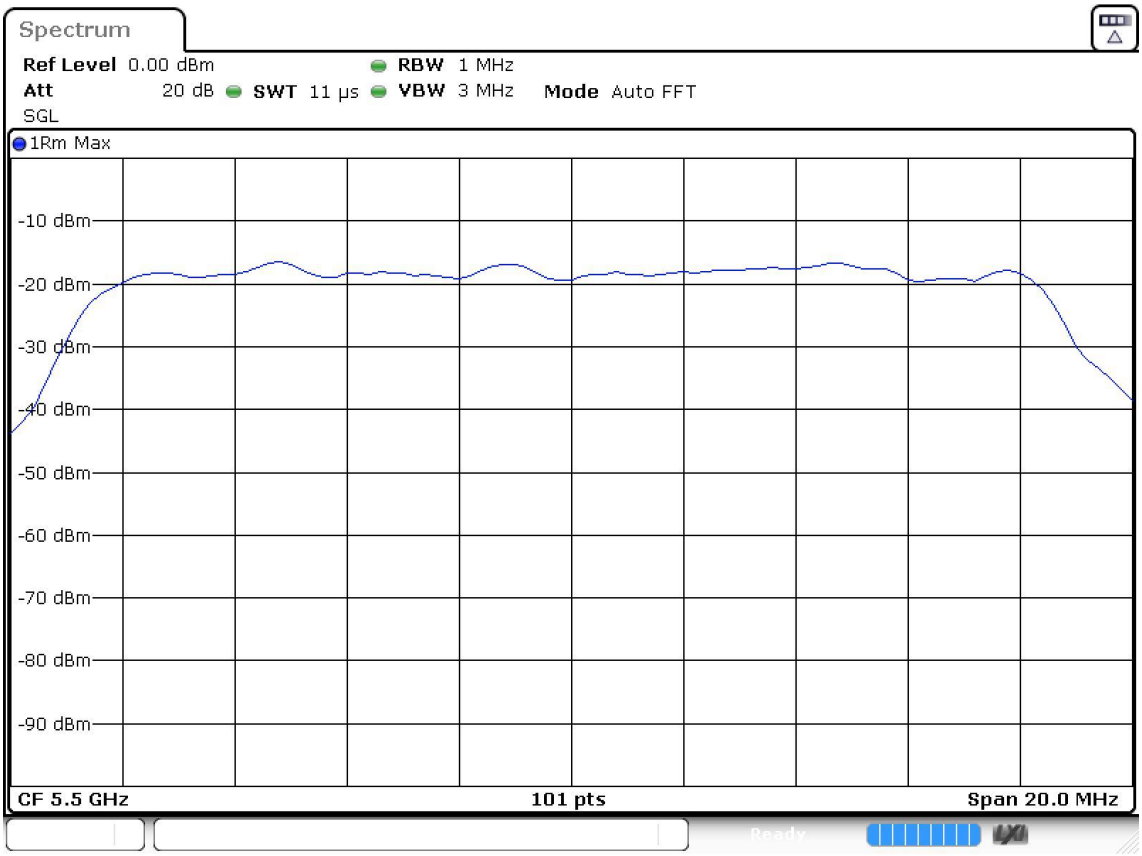




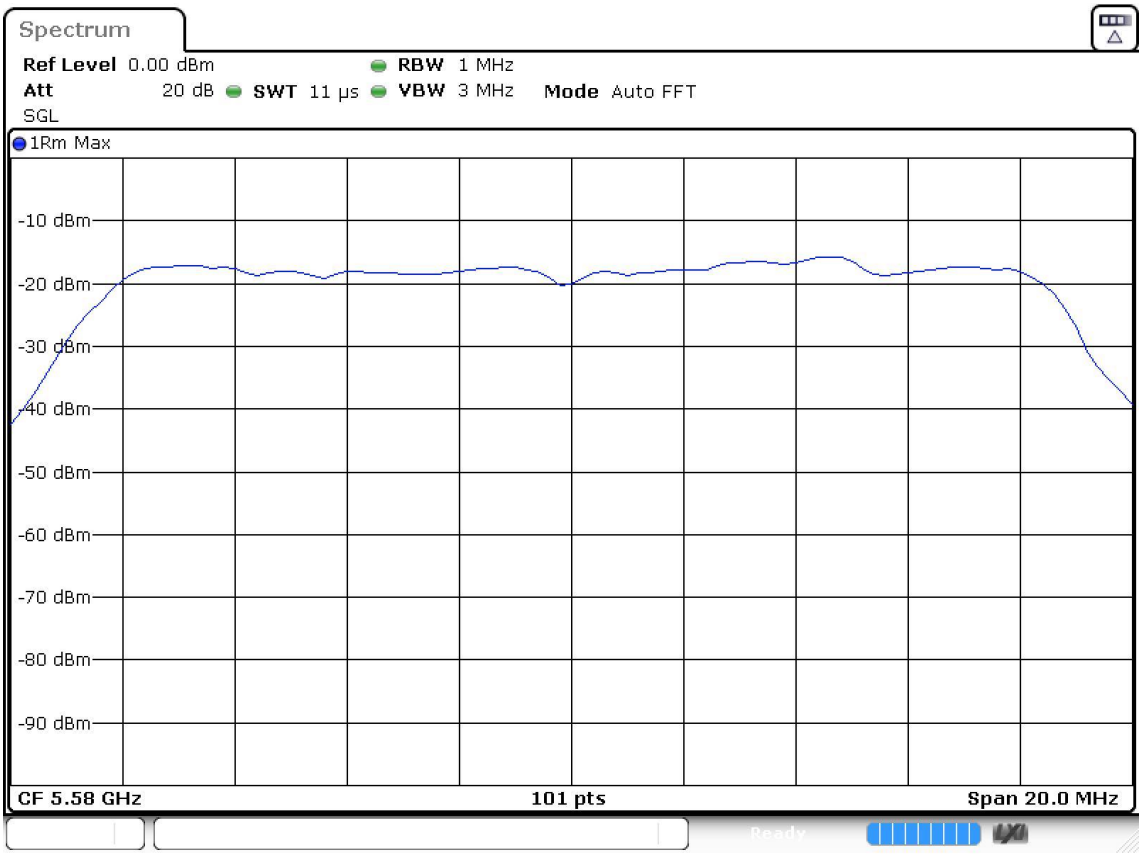
Date: 21.SEP.2021 12:17:42

Frequency MHz = 5580.00000 Modulation = 802.11a (OFDM 54 Mbit/s)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



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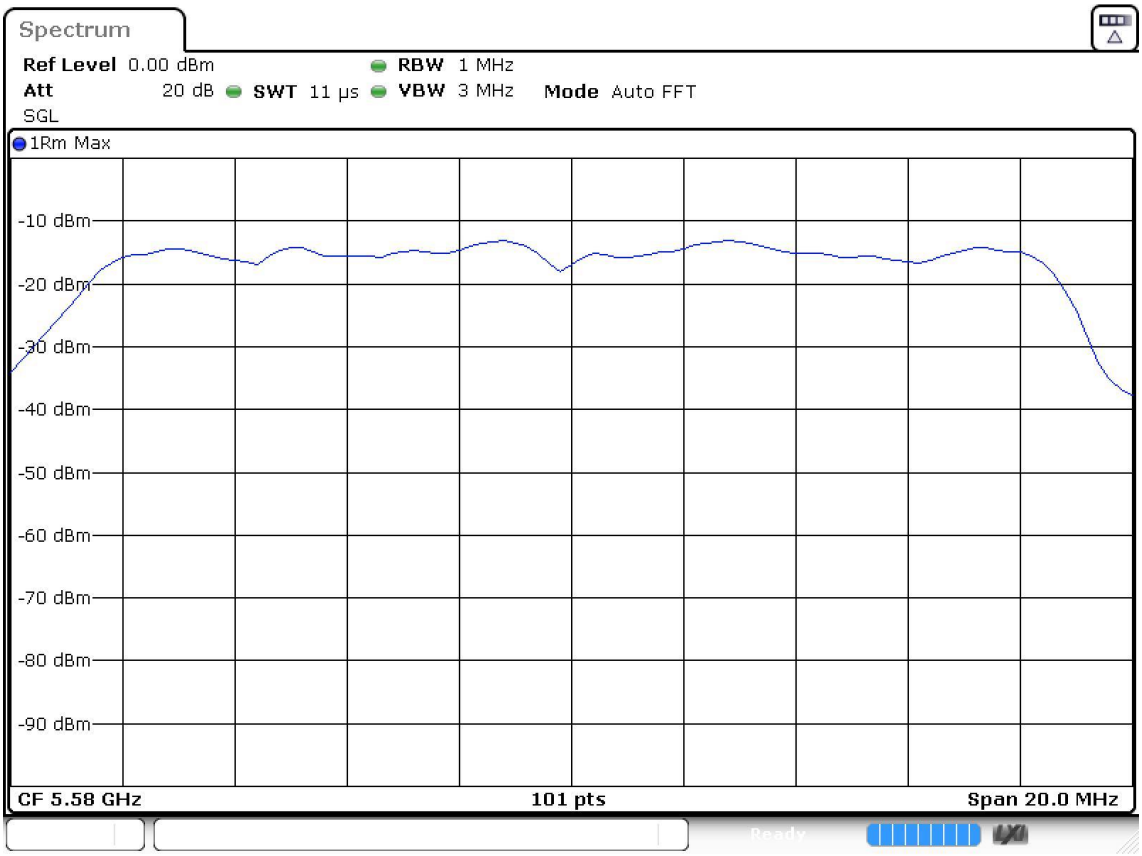

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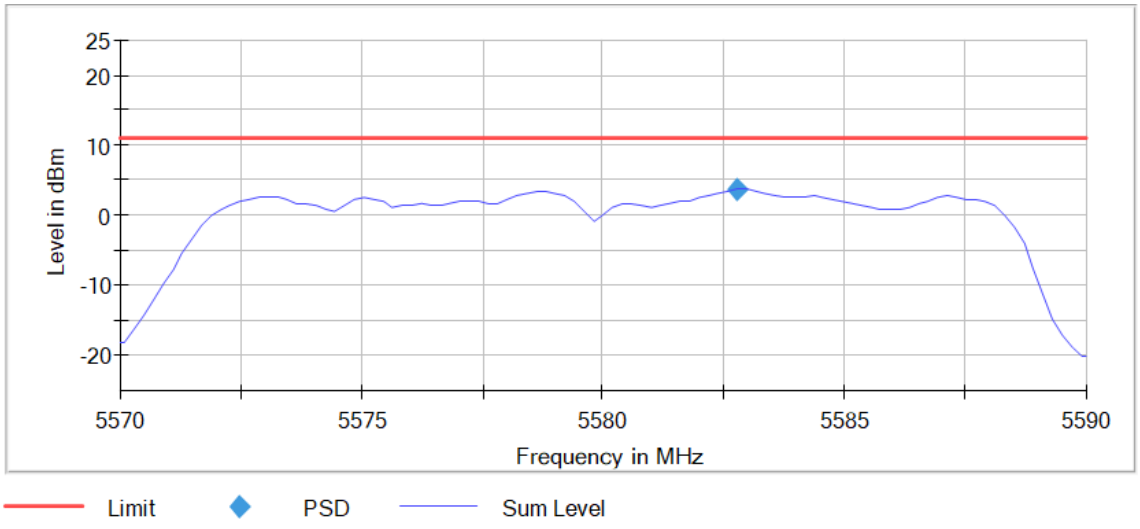
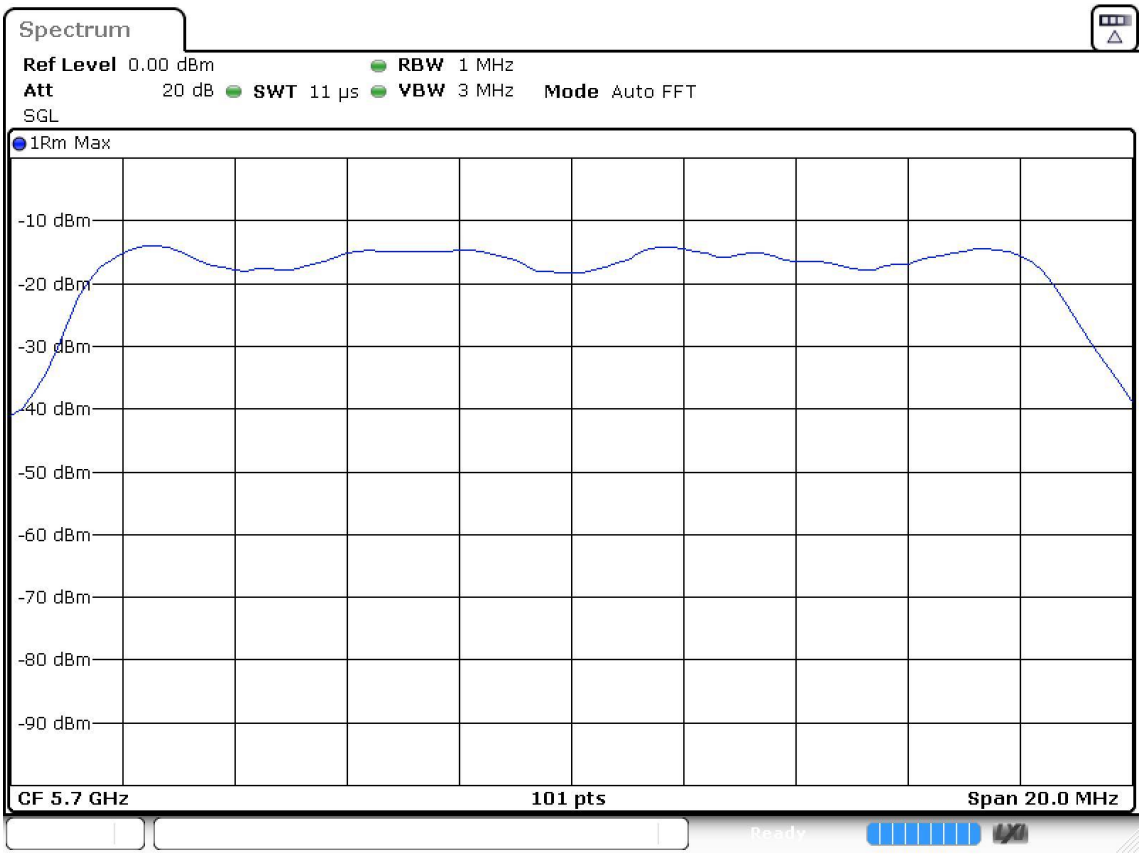


Frequency MHz = 5700.00000 Modulation = 802.11a (OFDM 54 Mbit/s)

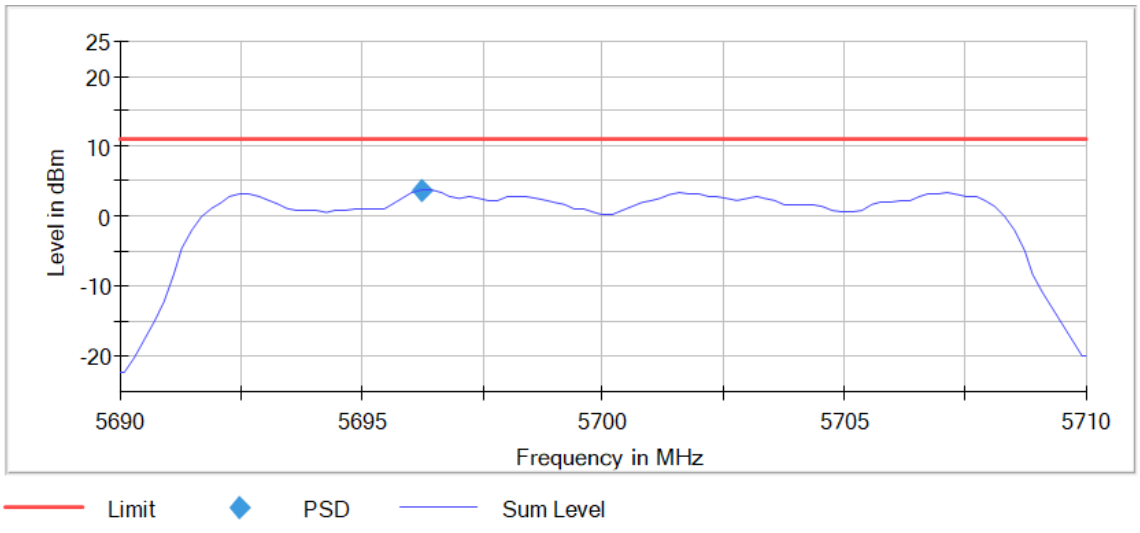
TPC = No Mode = MIMO CCD Mode 2x2

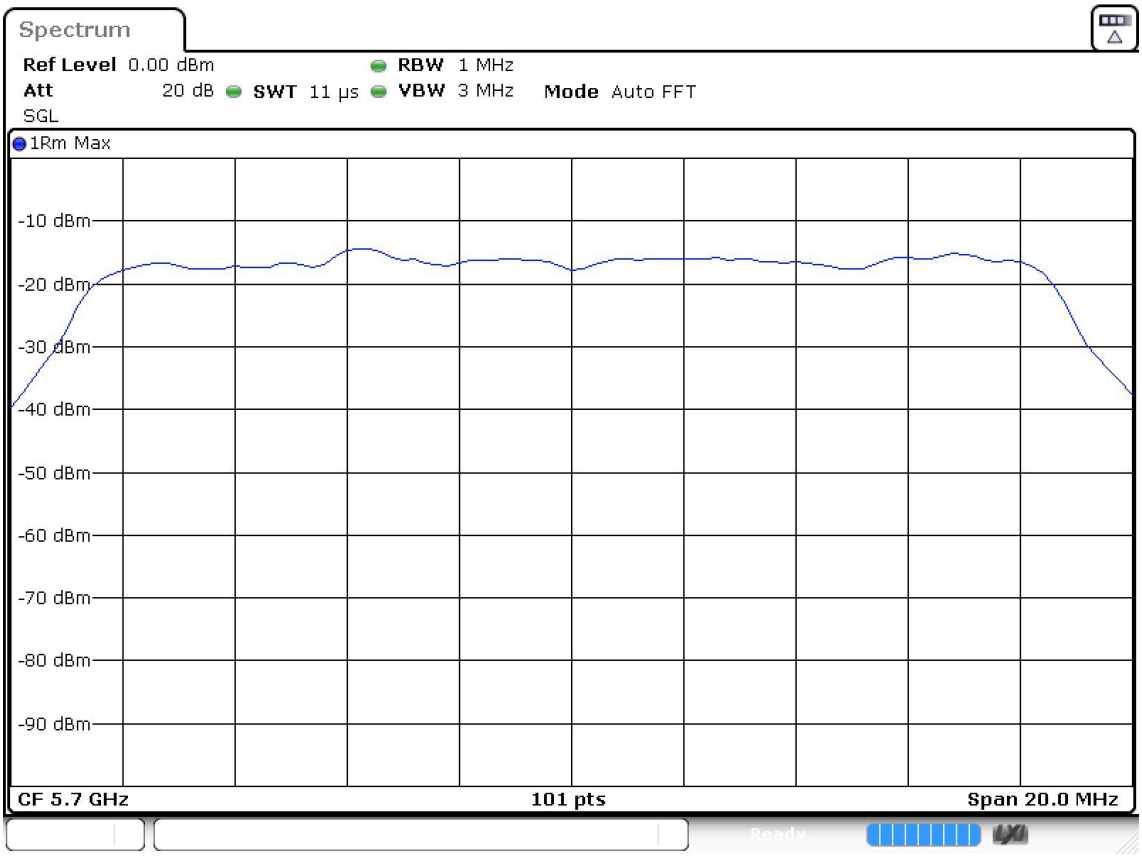
Number of Transmission Chains = 2

Images:



Date: 21.SEP.2021 12:32:50





Date: 21.SEP.2021 12:32:40

Mode: MIMO CCD Mode 2x2

Modulation: 802.11n HT20 (OFDM MCS7)

Results

Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
5260.00000	5262.178218	3.60
5280.00000	5282.376238	3.81
5320.00000	5327.722772	3.97
5500.00000	5498.217822	1.03
5580.00000	5587.326733	1.78
5700.00000	5701.584158	2.08

Verdict

Pass

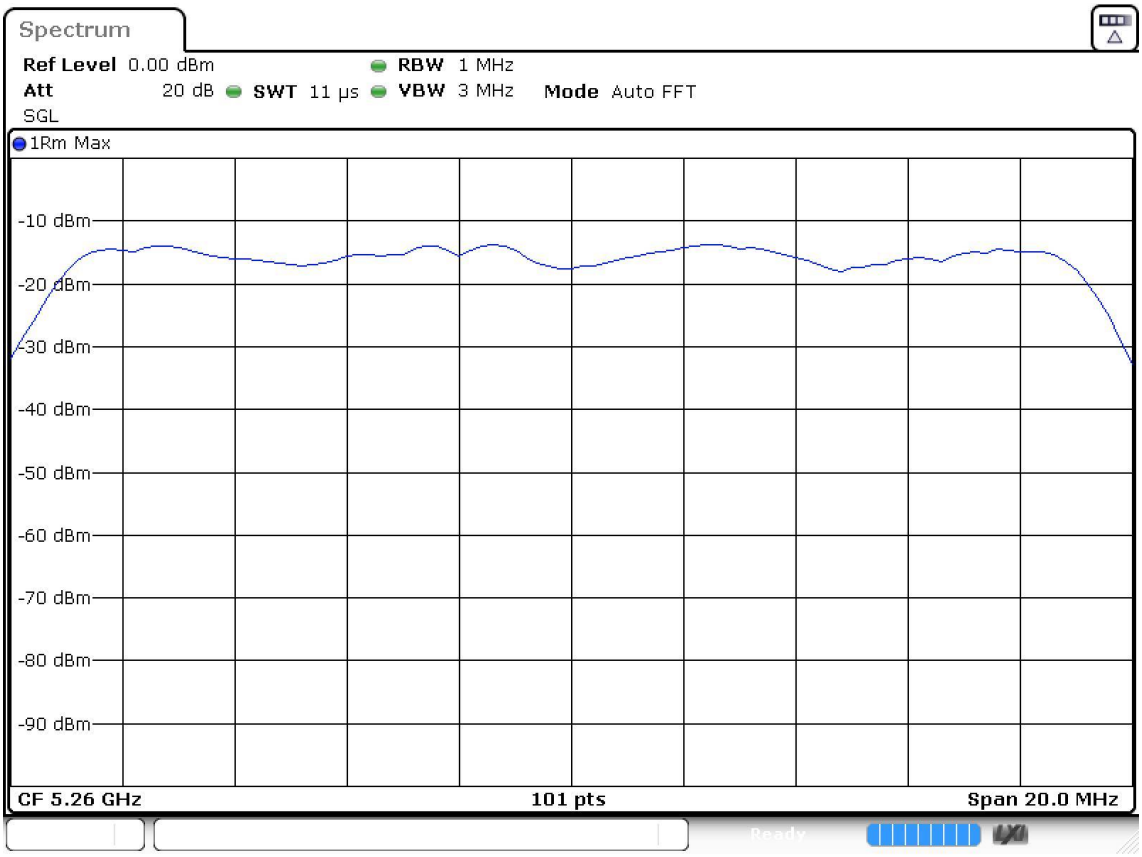
Attachments

Frequency MHz = 5260.00000 Modulation = 802.11n HT20 (OFDM MCS7)

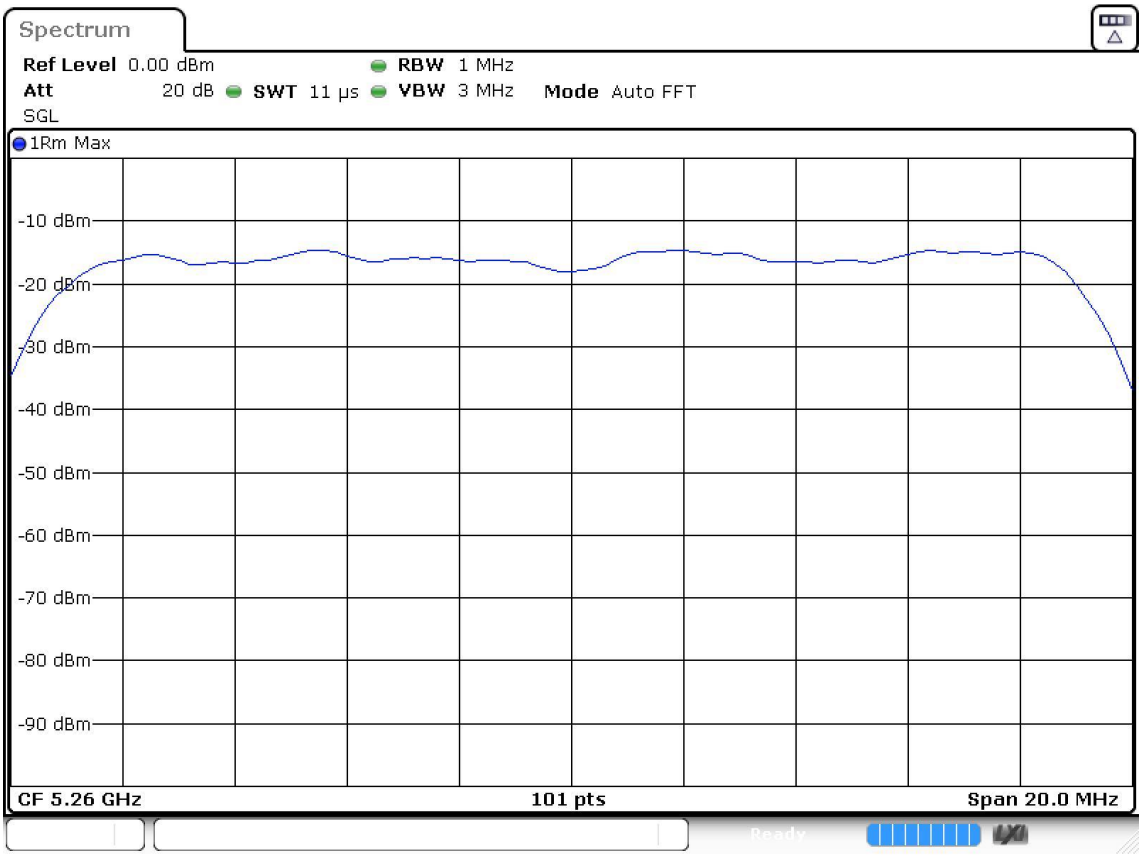
TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:



Date: 21.SEP.2021 14:31:36



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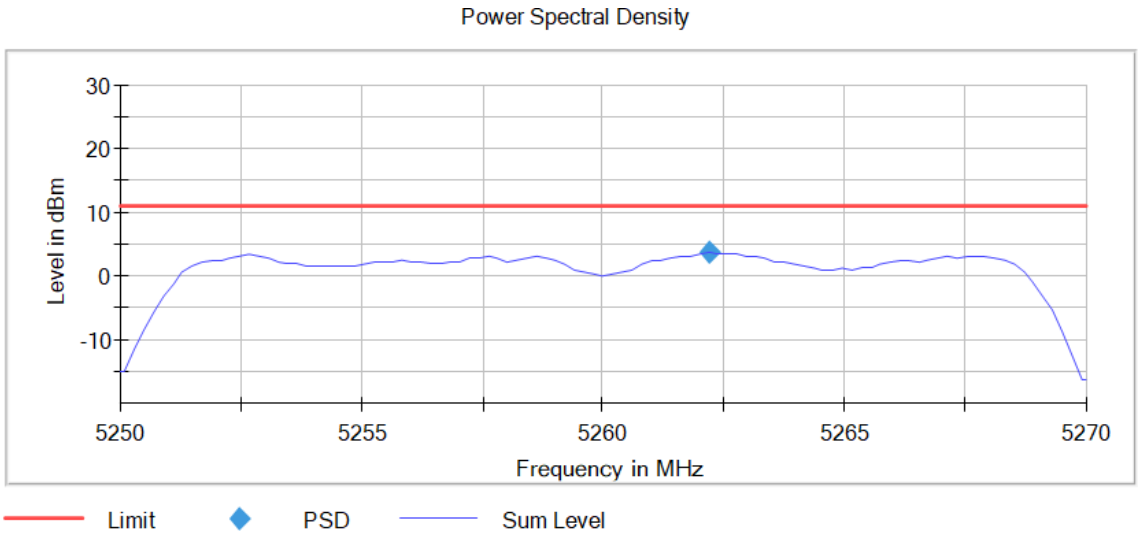
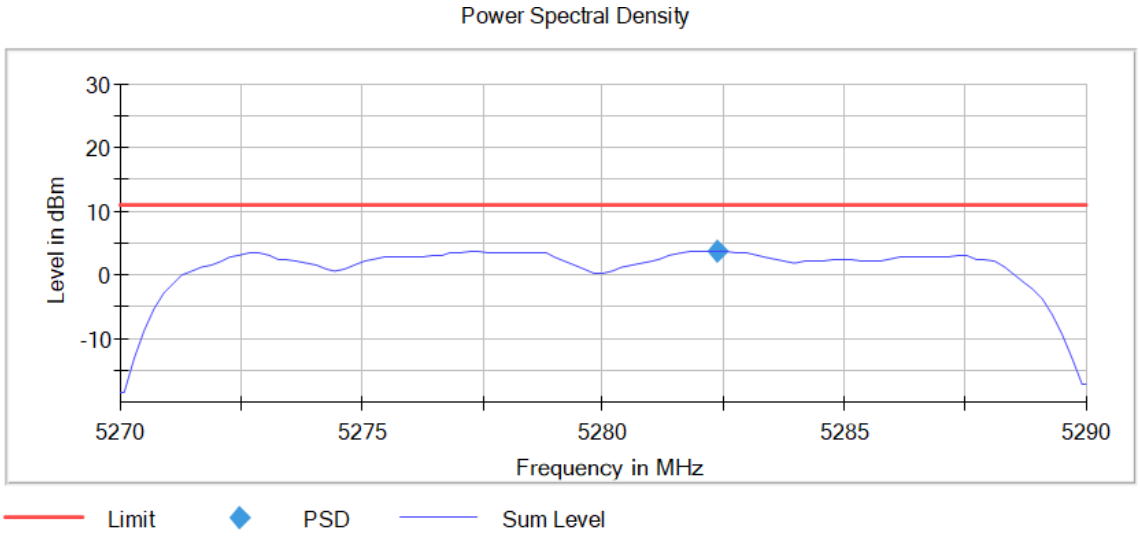


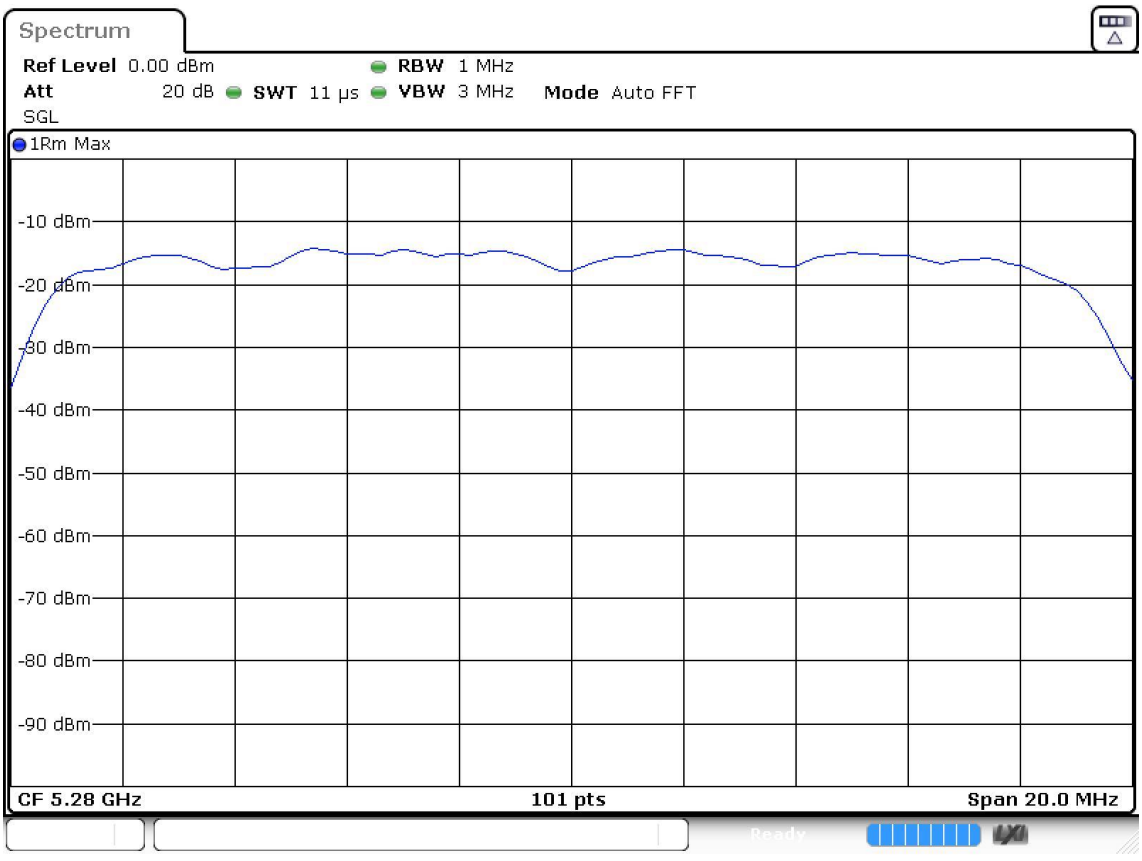
Frequency MHz = 5280.00000 Modulation = 802.11n HT20 (OFDM MCS7)

TPC = No Mode = MIMO CCD Mode 2x2

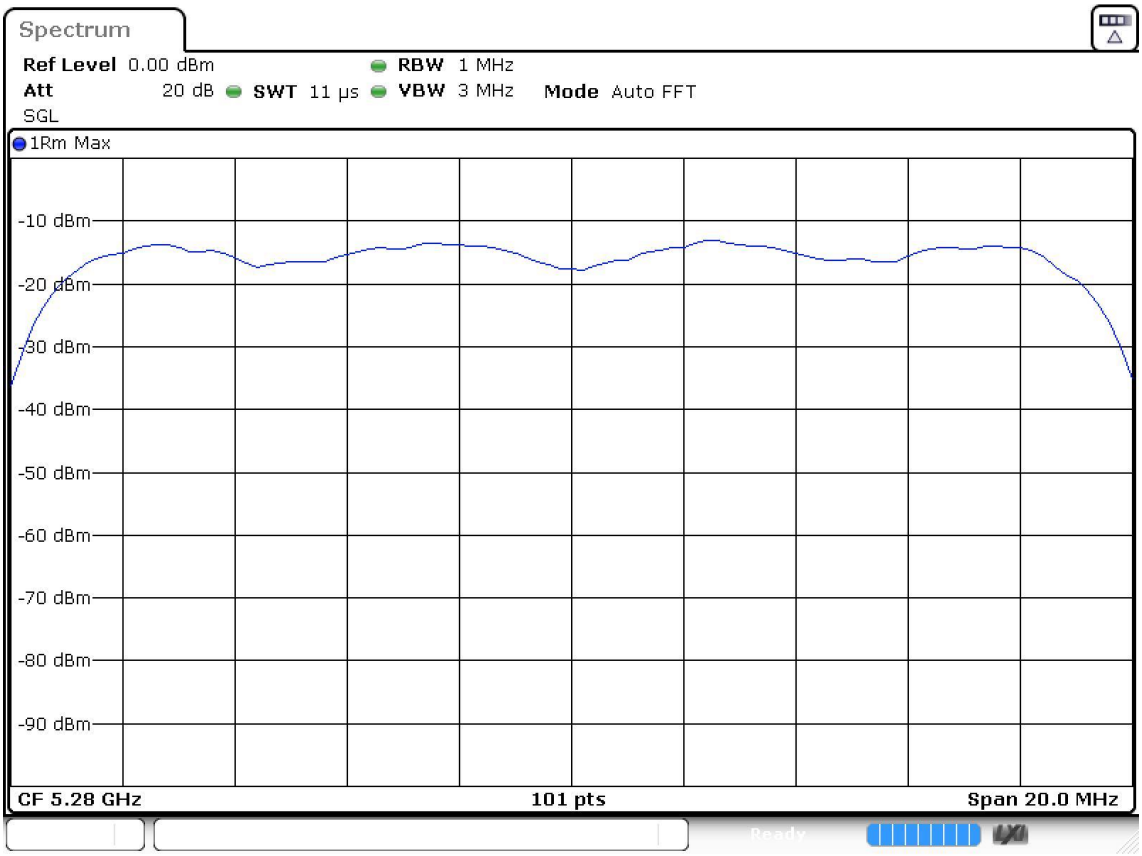
Number of Transmission Chains = 2

Images:





Date: 21.SEP.2021 14:37:21



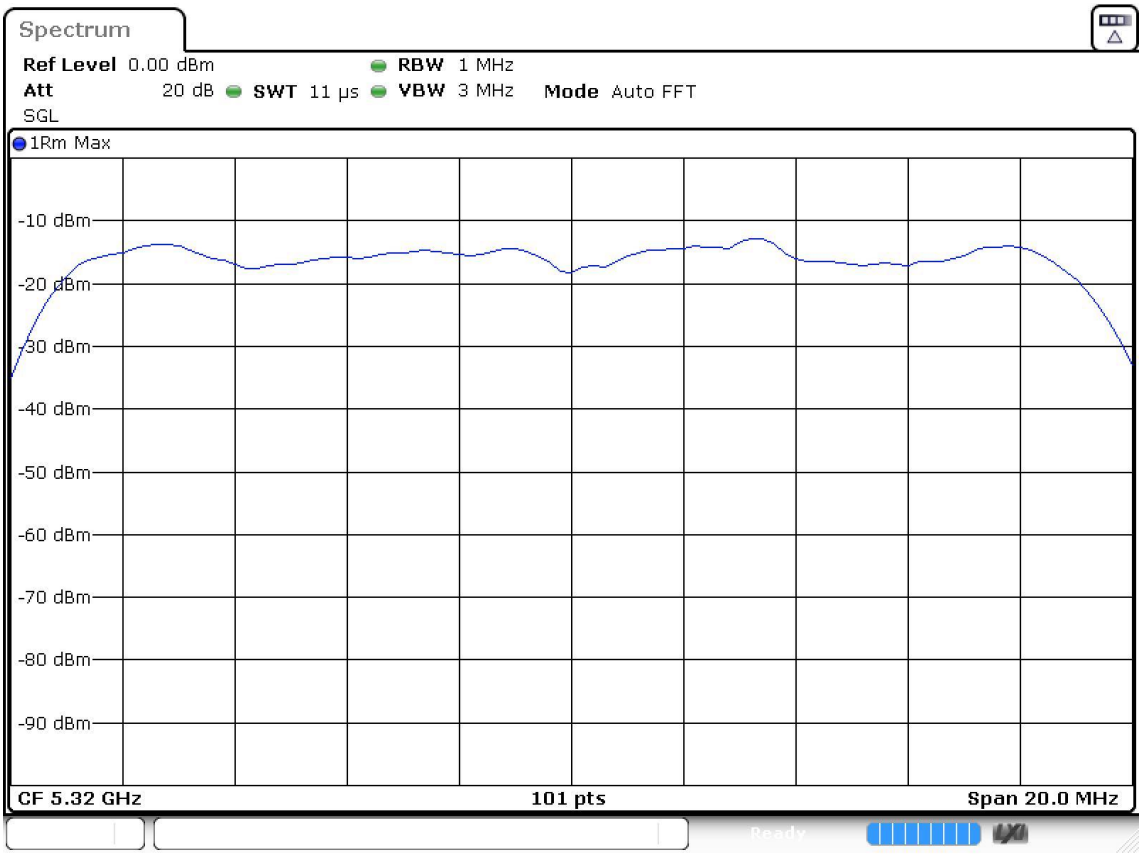
Date: 21.SEP.2021 14:37:30

Frequency MHz = 5320.00000 Modulation = 802.11n HT20 (OFDM MCS7)

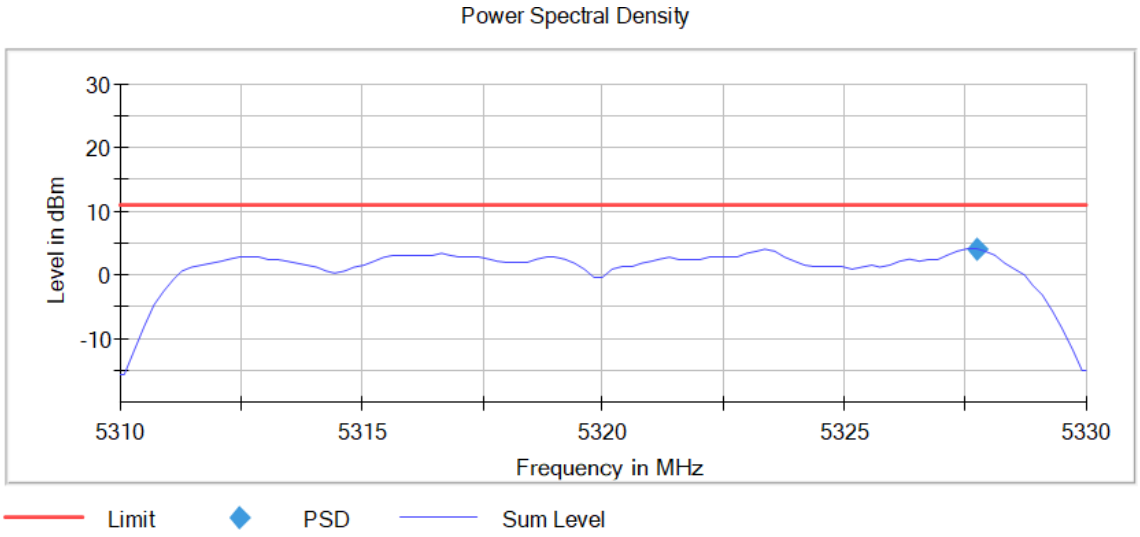
TPC = No Mode = MIMO CCD Mode 2x2

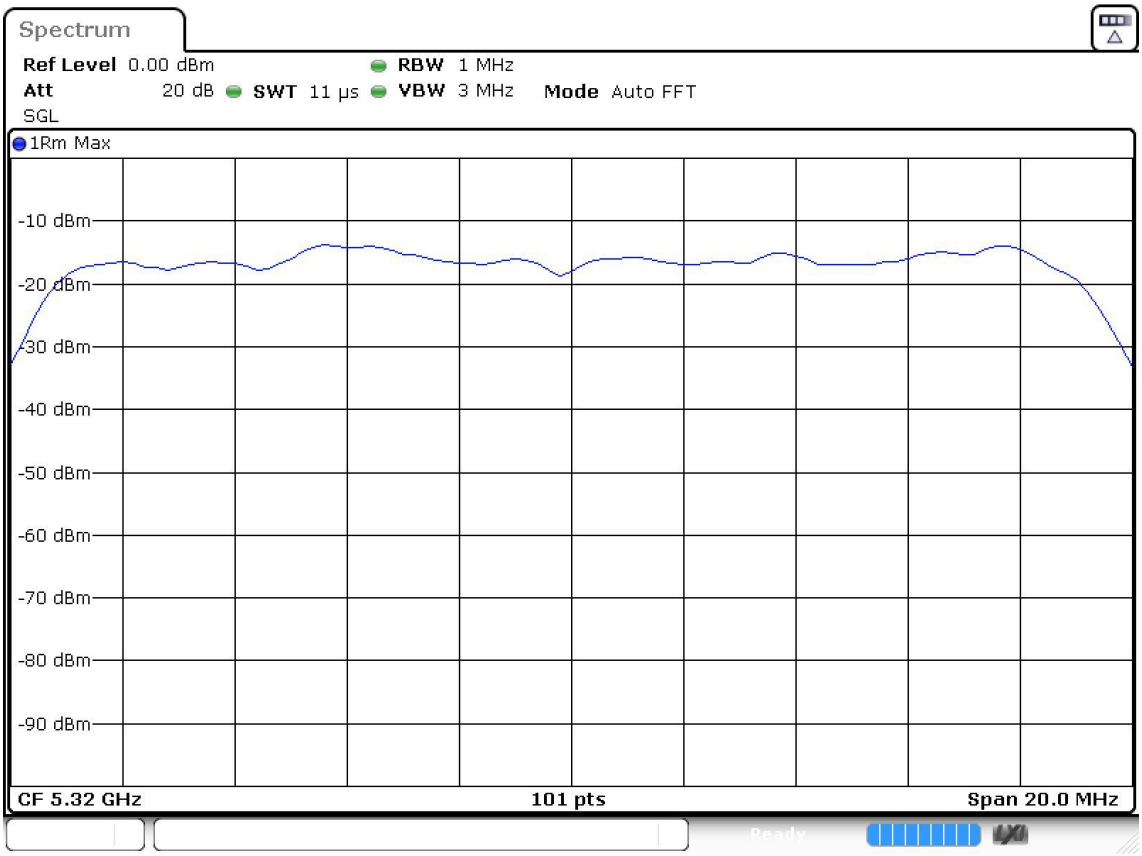
Number of Transmission Chains = 2

Images:



Date: 21.SEP.2021 14:43:41





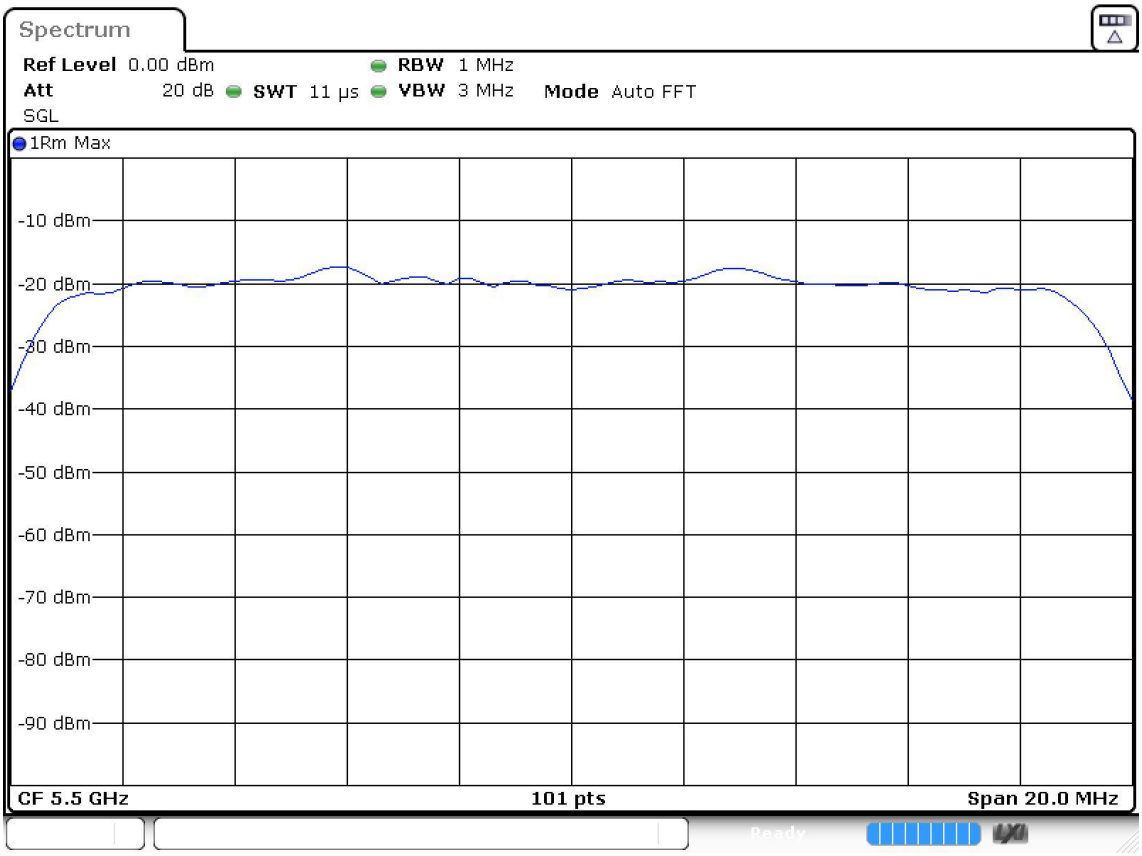
Date: 21.SEP.2021 14:43:32

Frequency MHz = 5500.00000 Modulation = 802.11n HT20 (OFDM MCS7)

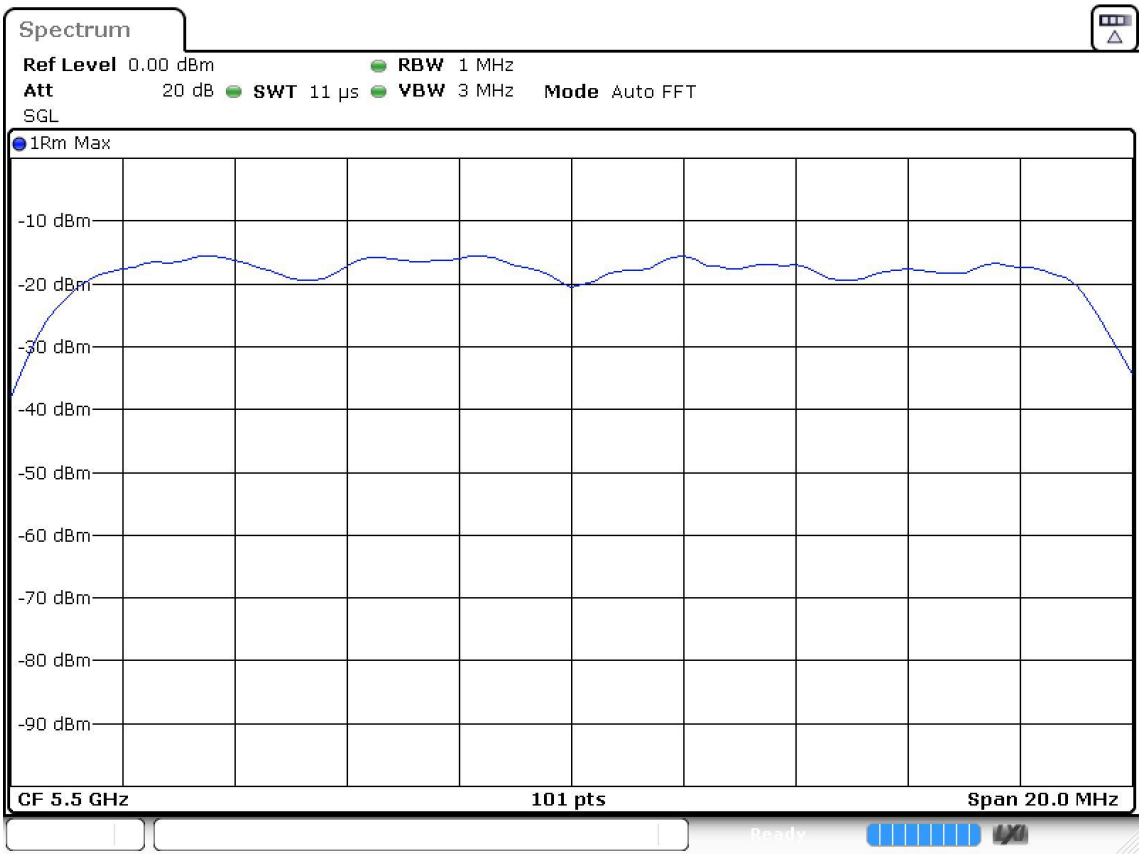
TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

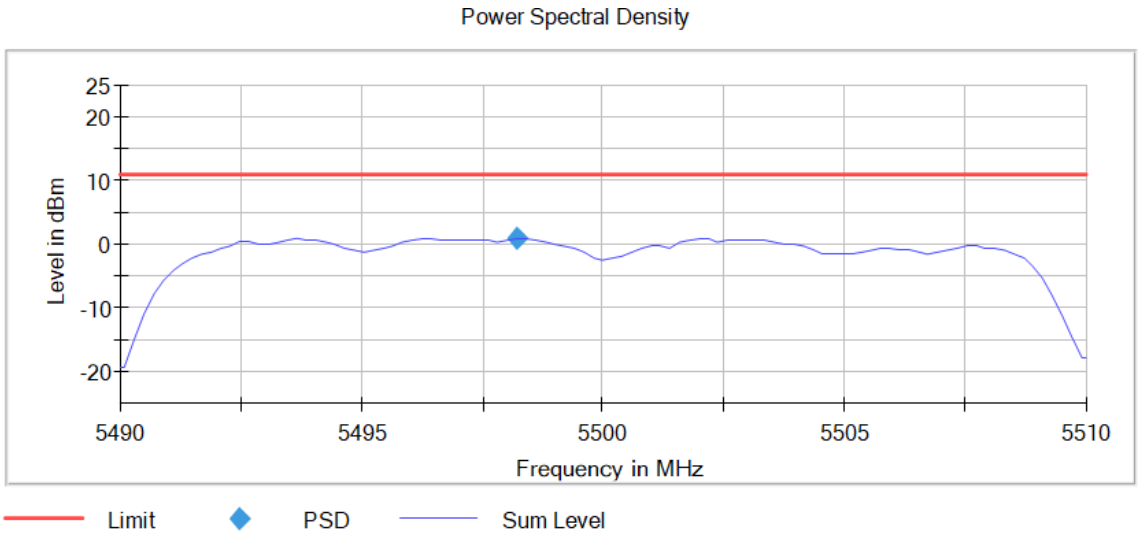
Images:



Date: 21.SEP.2021 14:49:30



Date: 21.SEP.2021 14:49:21

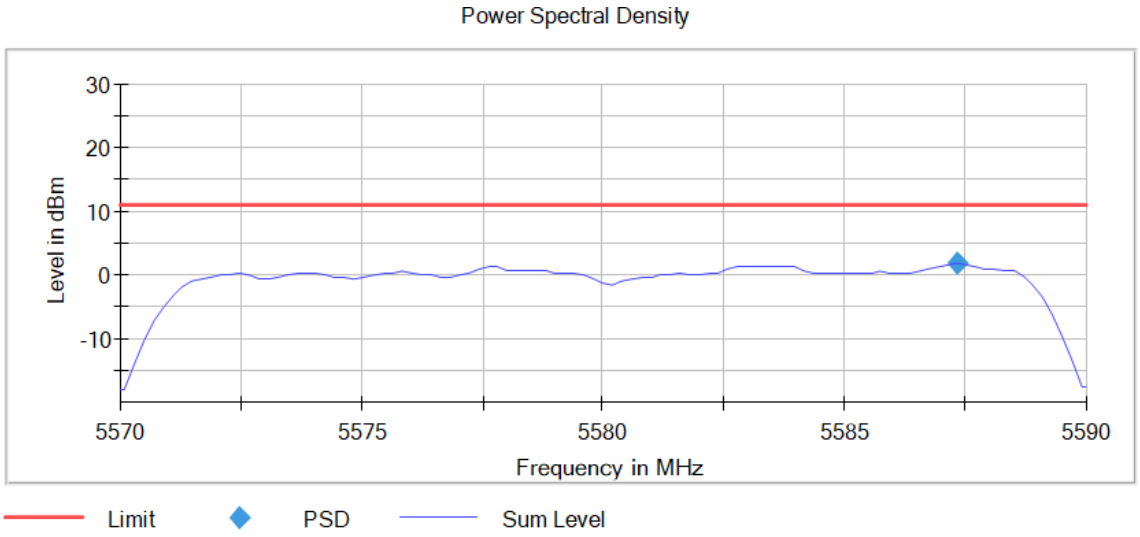


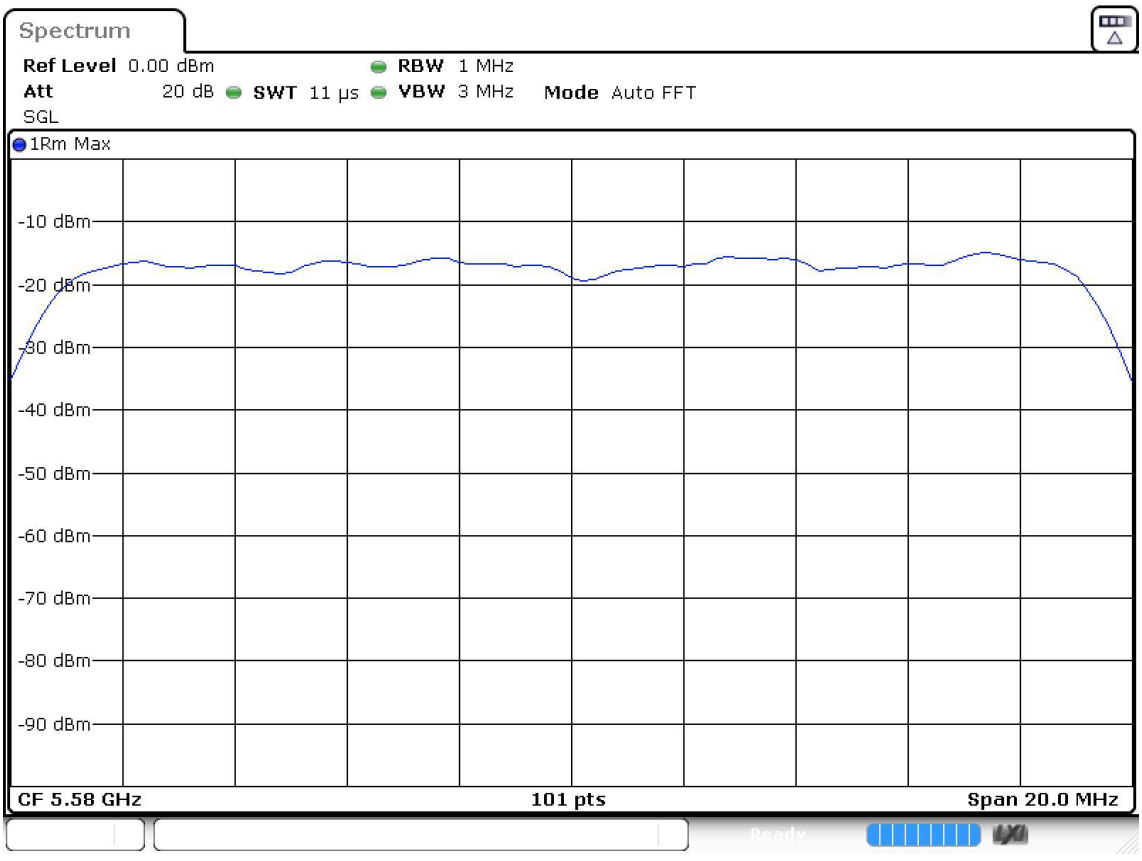
Frequency MHz = 5580.00000 Modulation = 802.11n HT20 (OFDM MCS7)

TPC = No Mode = MIMO CCD Mode 2x2

Number of Transmission Chains = 2

Images:





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