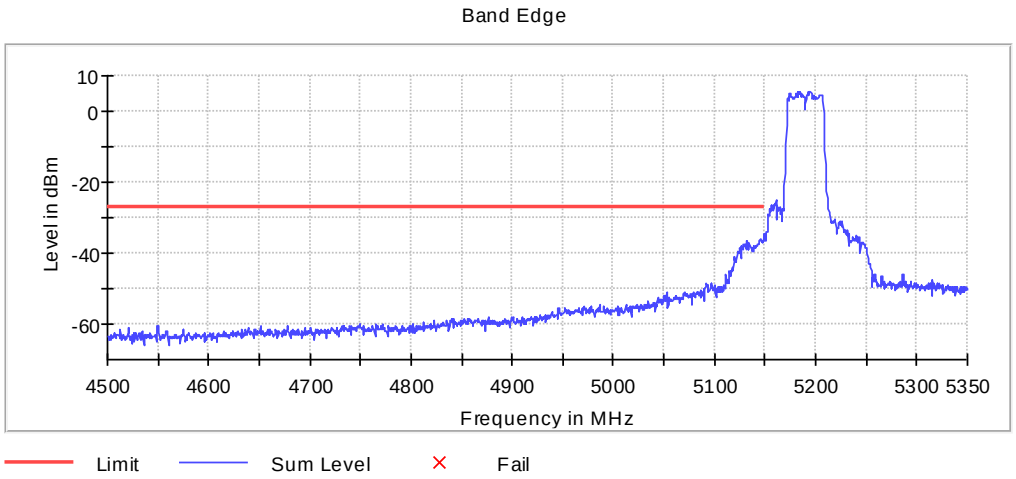
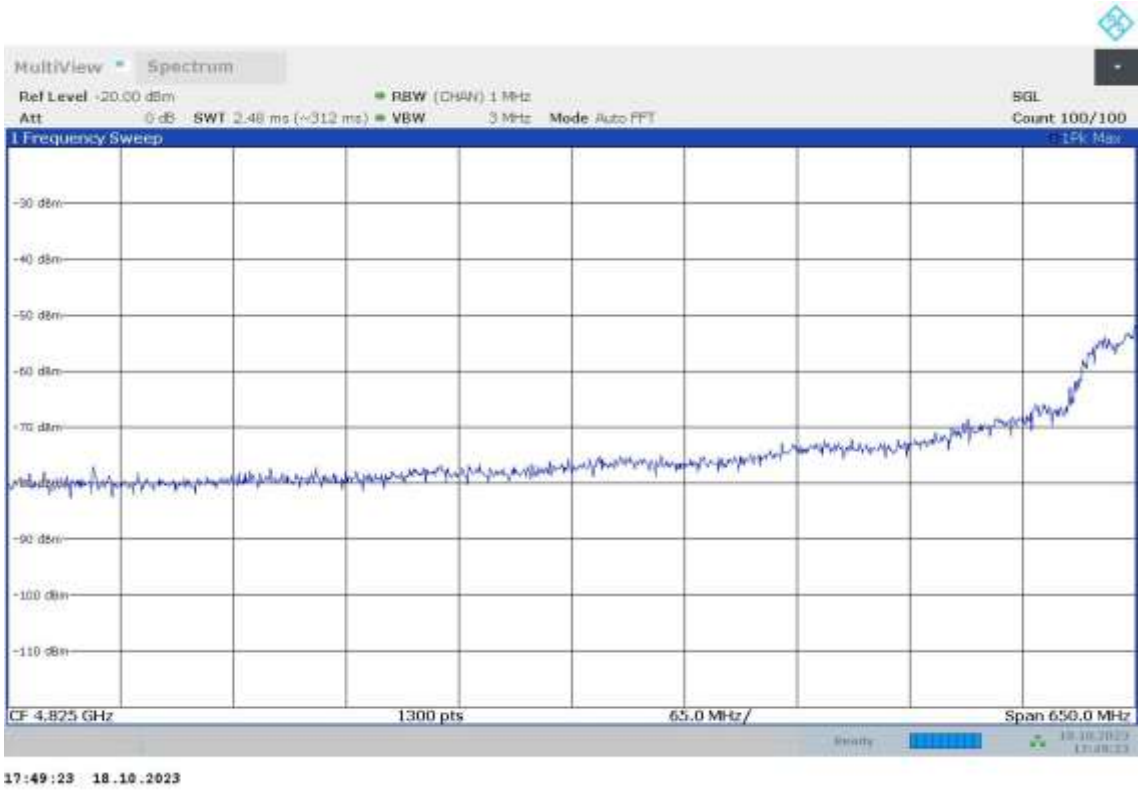
Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5190.00000	Modulation = 802.11n HT40 (OFDM MCS0)
MIMO Mode = SISO	Measurement Point = 1

Images:

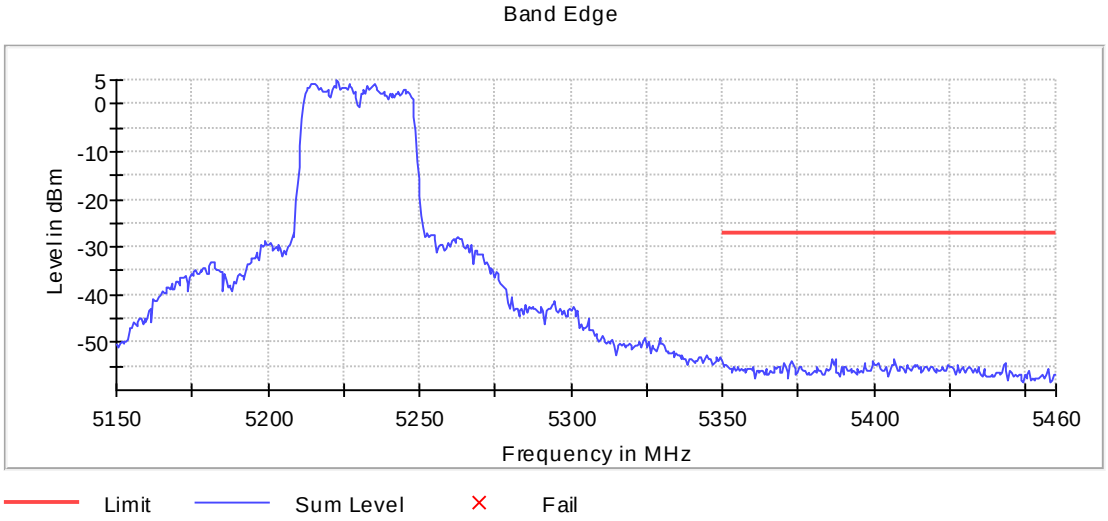


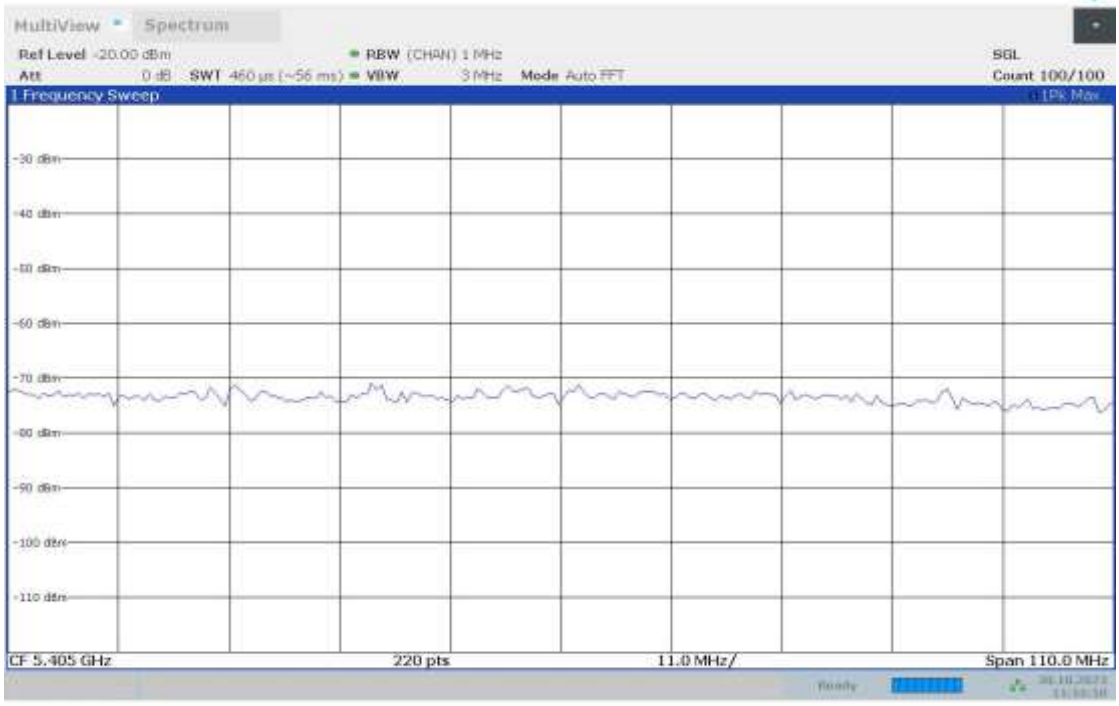


17:57:09 18.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5230.00000	Modulation = 802.11n HT40 (OFDM MCS0)
MIMO Mode = SISO	Measurement Point = 1

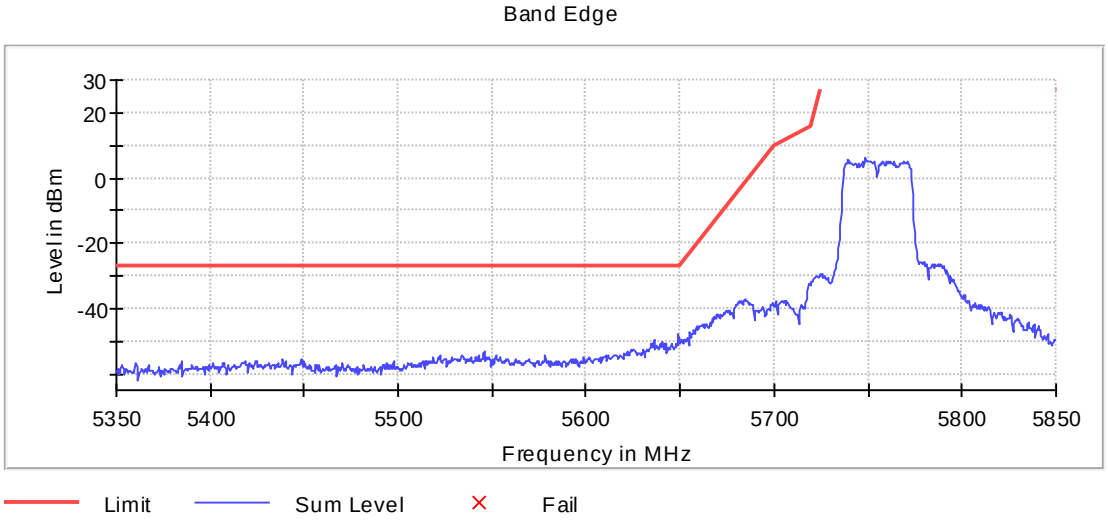
Images:




MultiView
Spectrum
Ref Level -20.00 dBm
RBW (CHAN) 1 MHz
SGL
Att 0 dB SWT 460 µs (~56 ms) VBW 3 MHz Mode Auto FFT
Count 100/100
1 Frequency Sweep
1Pk Max
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
-100 dBm
-110 dBm
CF 5.405 GHz
220 pts
11.0 MHz/
Span 110.0 MHz
11:55:51 30.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5755.00000	Modulation = 802.11n HT40 (OFDM MCS0)
MIMO Mode = SISO	Measurement Point = 1

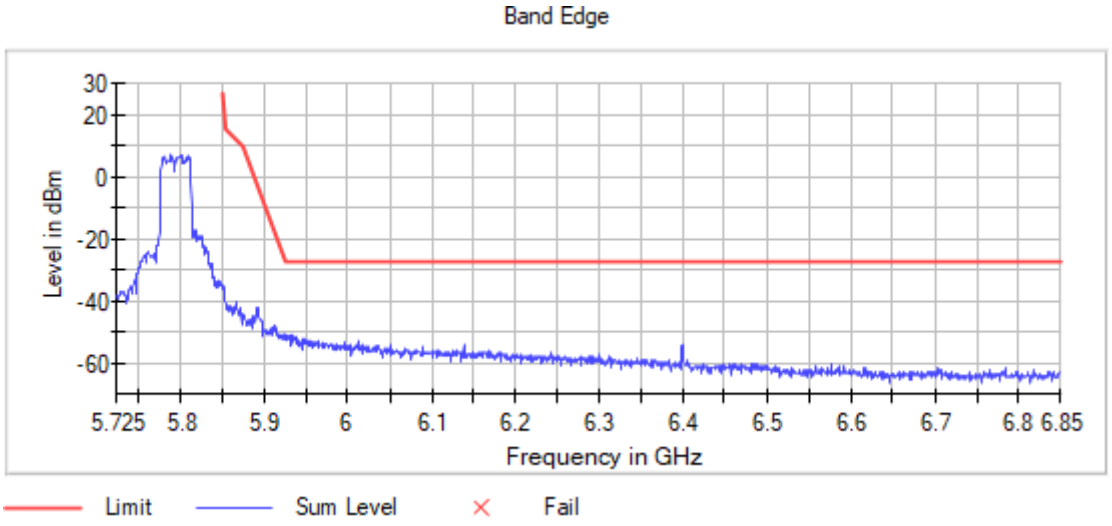
Images:

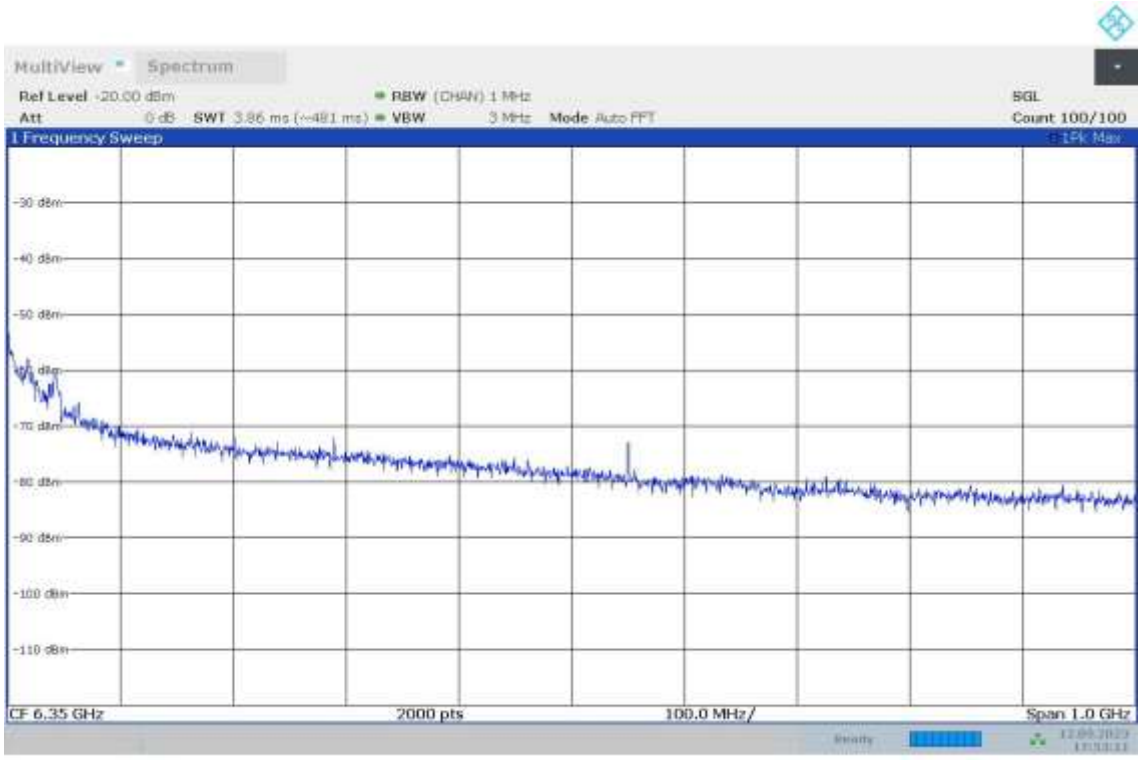



MultiView
Spectrum
Ref Level 0.00 dBm
RBW (CHAN) 1 MHz
SGL
Att 10 dB SWT 505 µs (~62 ms) VBW 3 MHz Mode Auto FFT
Count 100/100
1 Frequency Sweep
1Pk Max
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 5.787 5 GHz
250 pts
12.5 MHz/
Span 125.0 MHz
Ready
12:25:36 30.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5795.00000	Modulation = 802.11n HT40 (OFDM MCS0)
MIMO Mode = SISO	Measurement Point = 1

Images:





17:53:11 12.09.2023

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

Limits

No Limit has been set to this test case

Modulation: 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Occ Ch BW (MHz)
[5150, 5850]	1	5180.00000	17.700
		5200.00000	17.700
		5240.00000	17.600
		5745.00000	17.700
		5785.00000	17.600
		5825.00000	17.700

Verdict

Pass

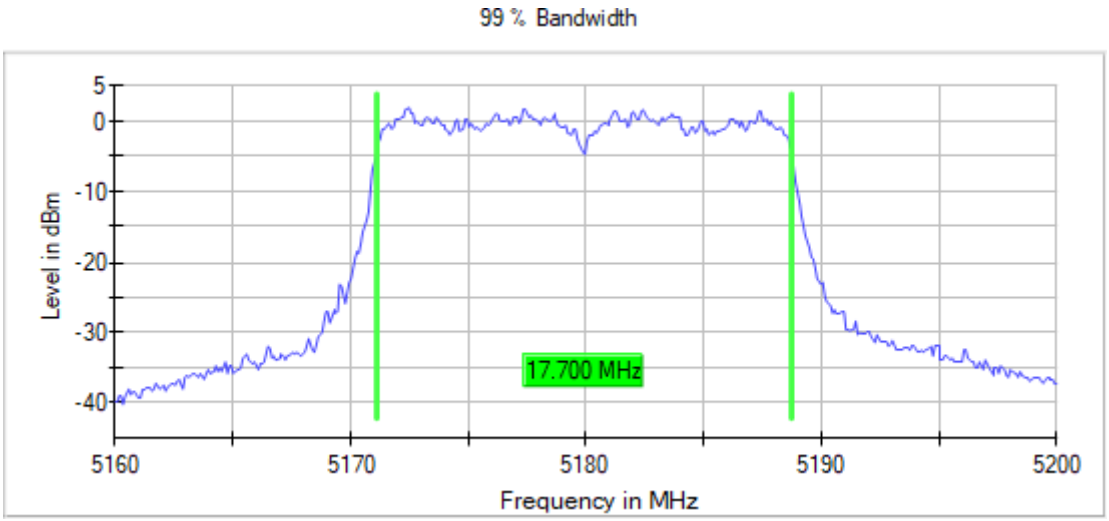
Attachments

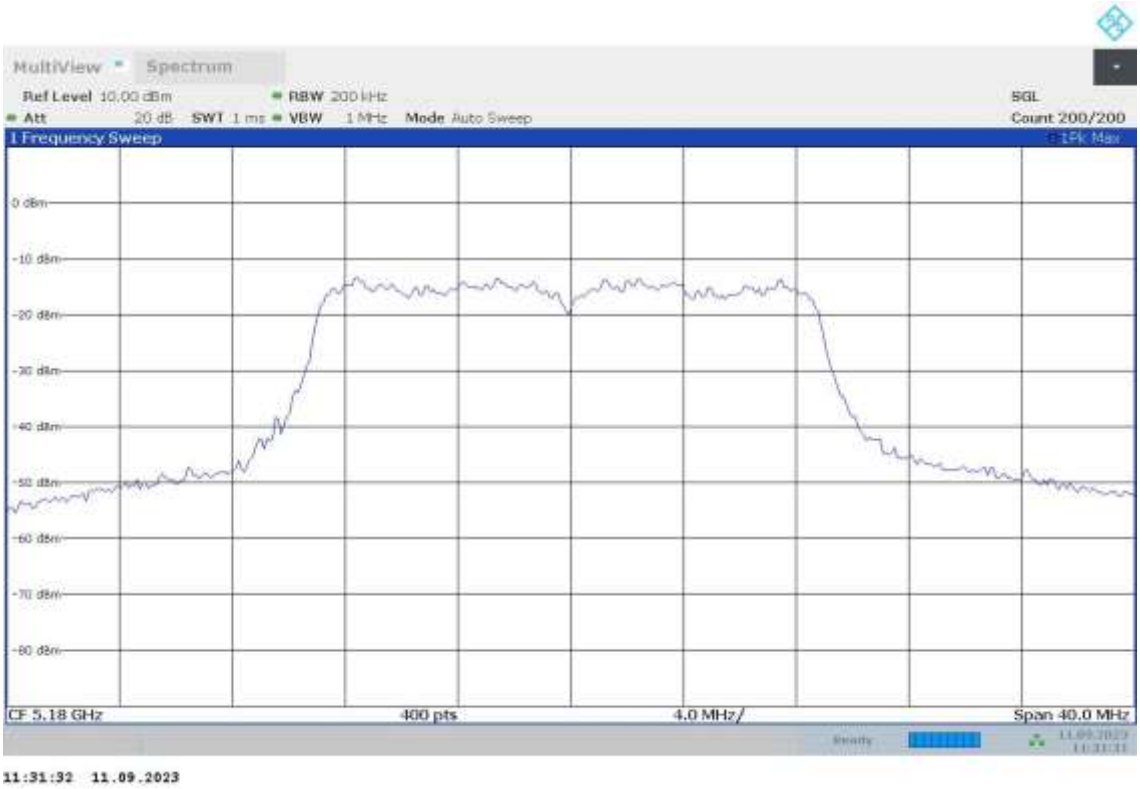
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



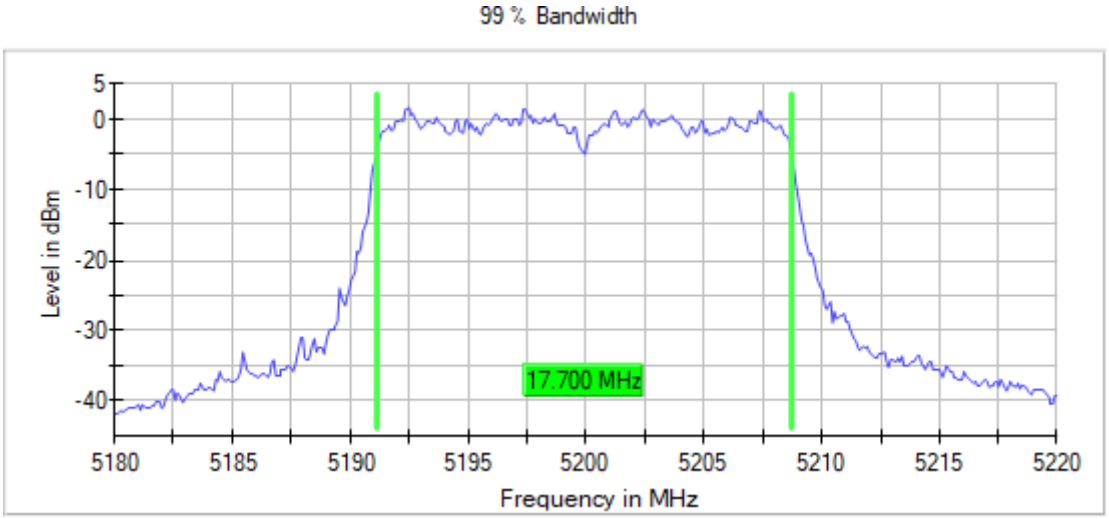


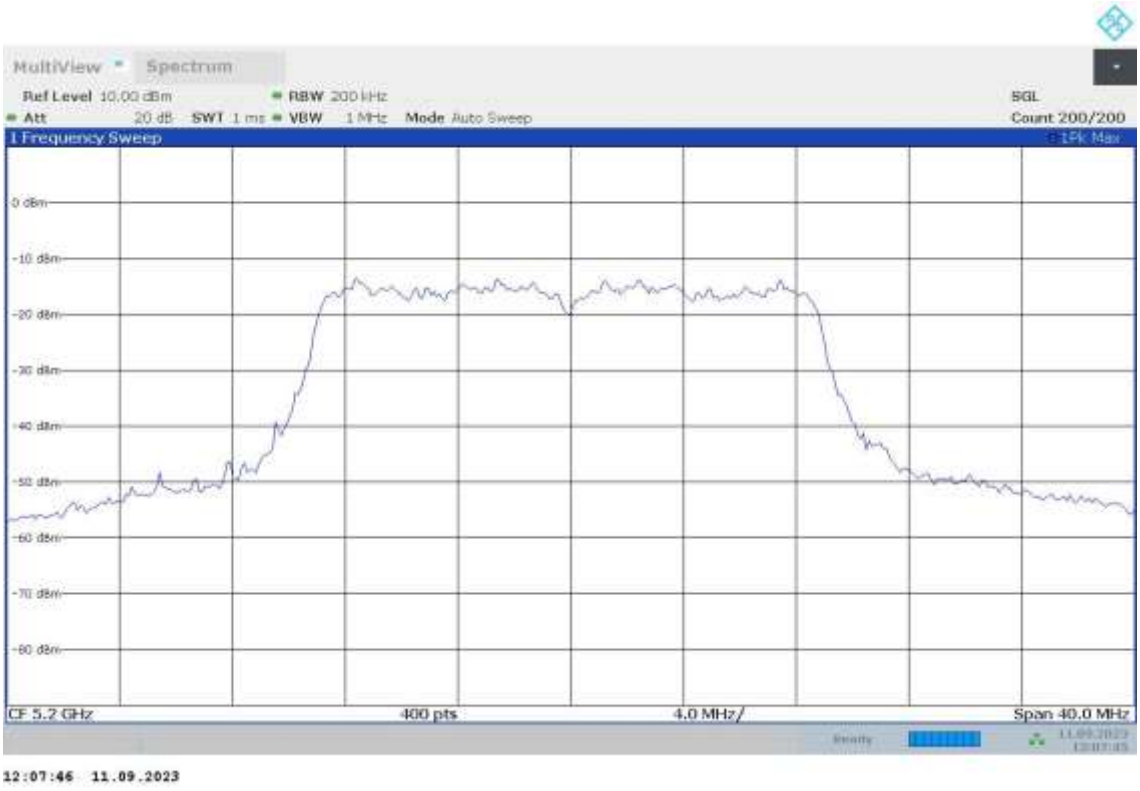
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5200.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



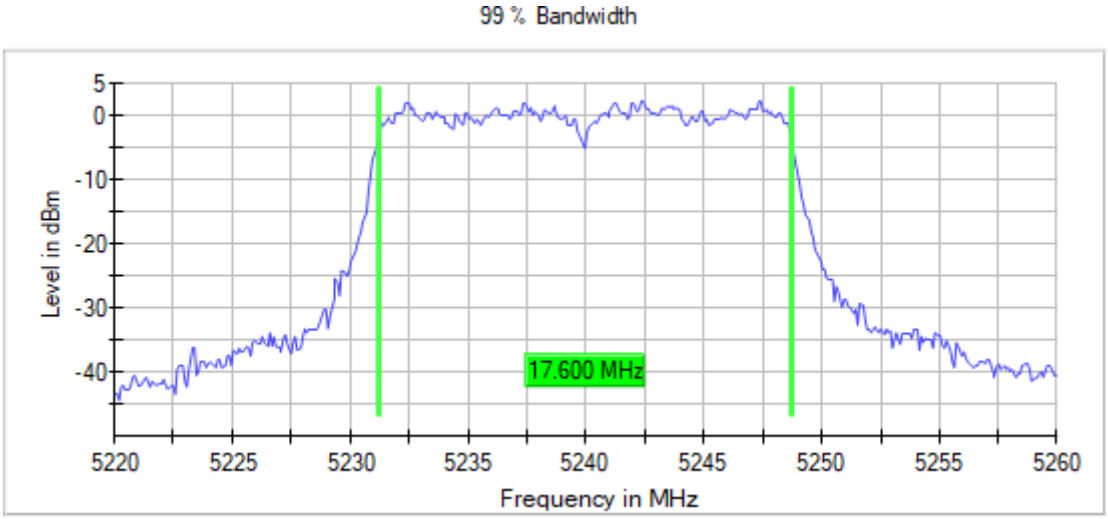


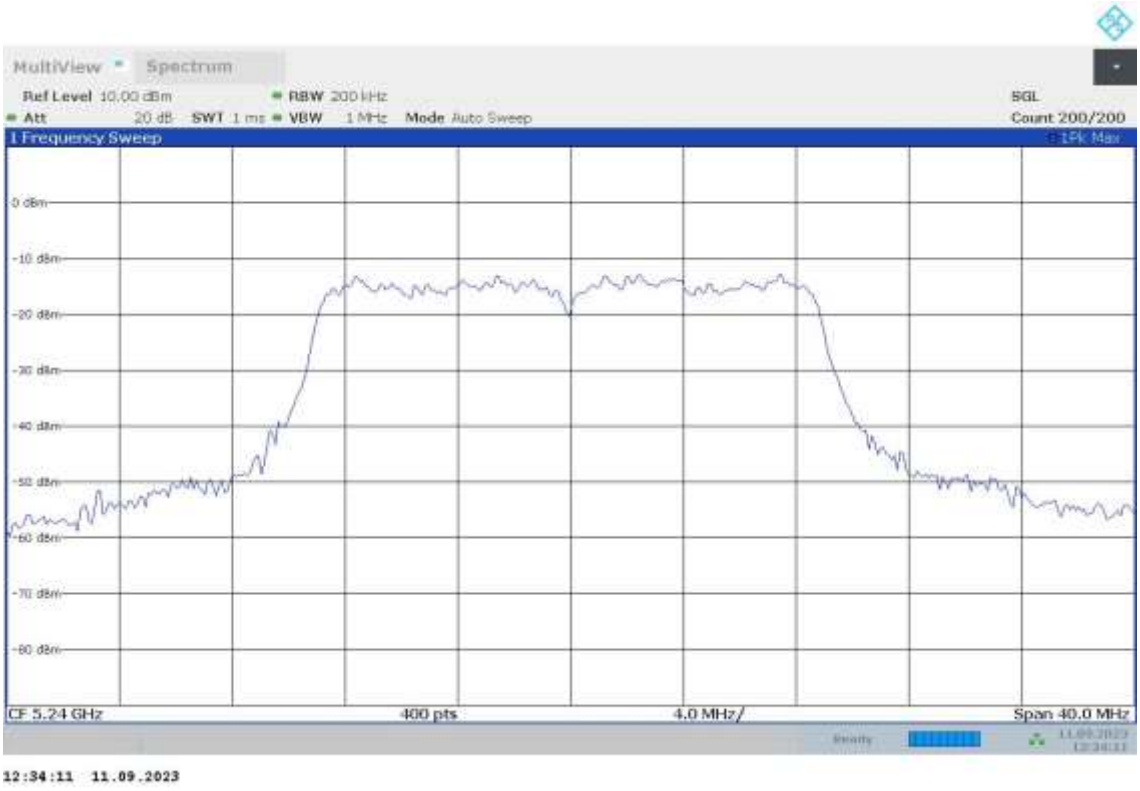
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



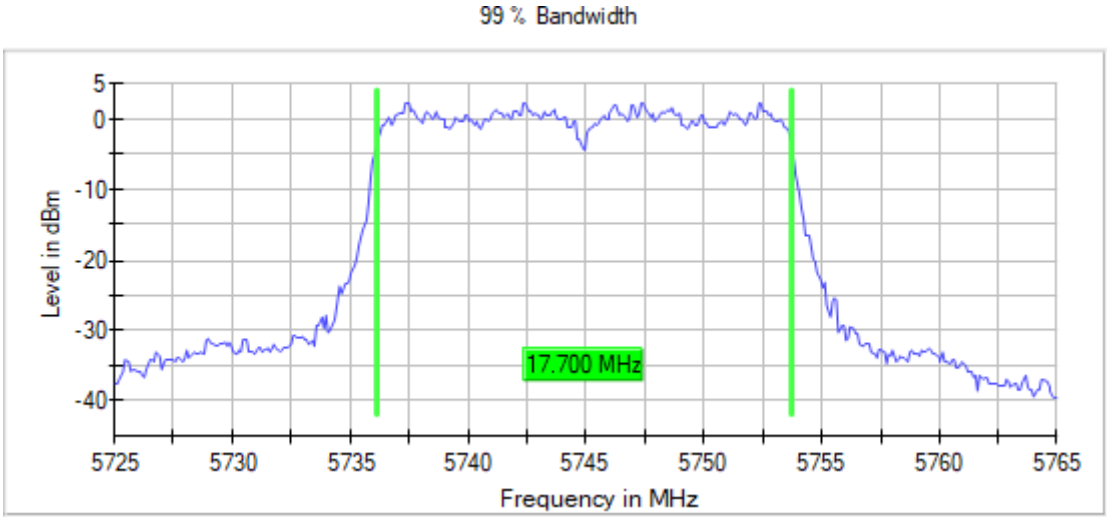


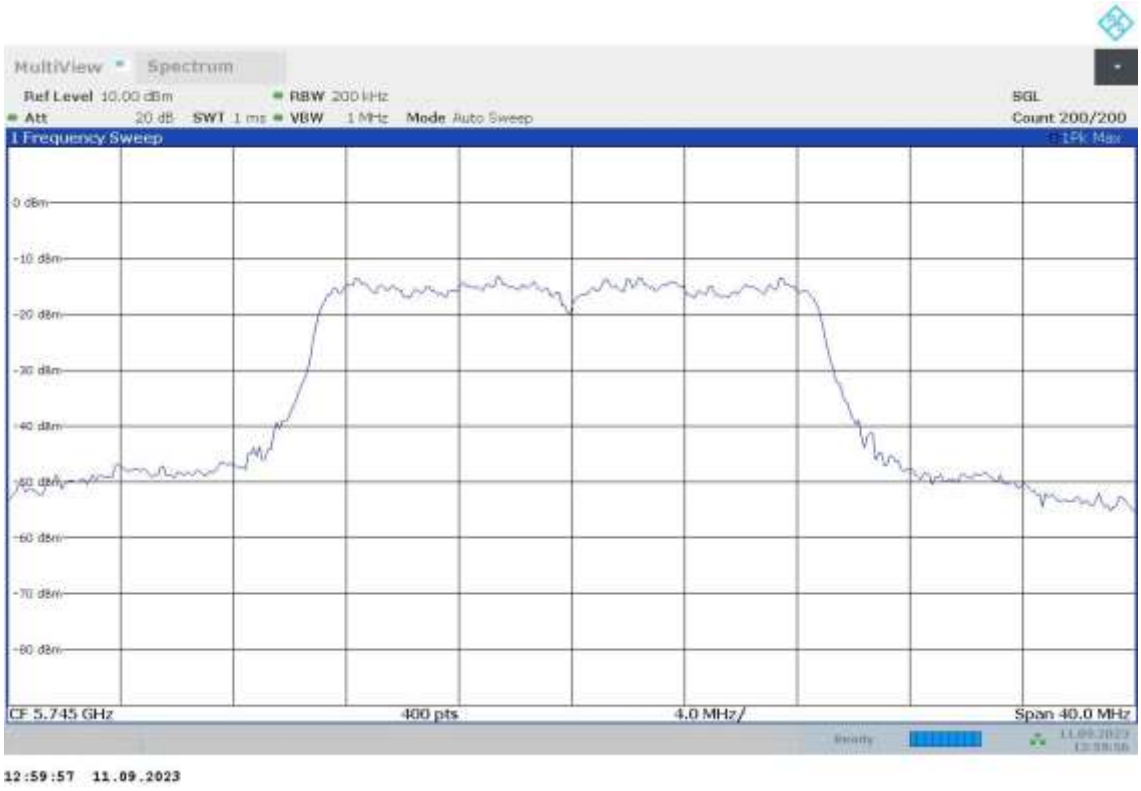
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



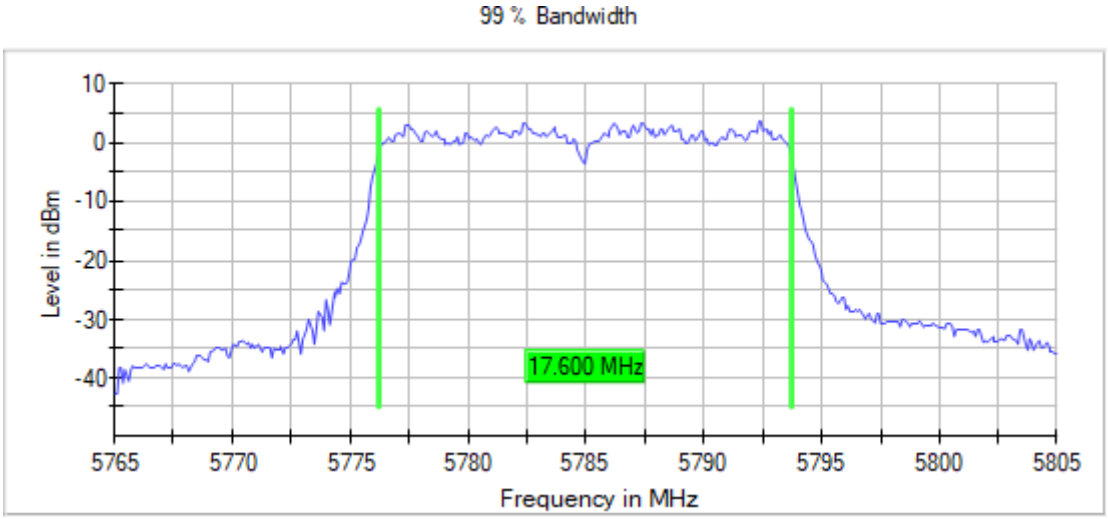


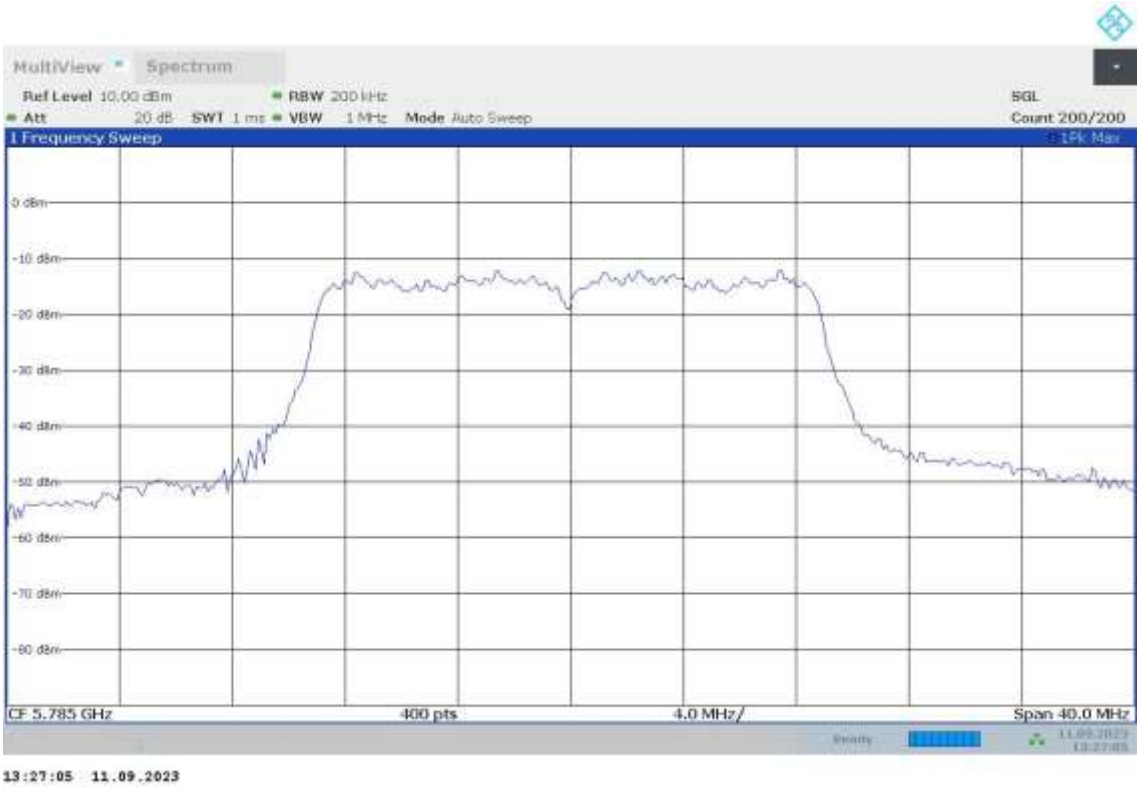
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



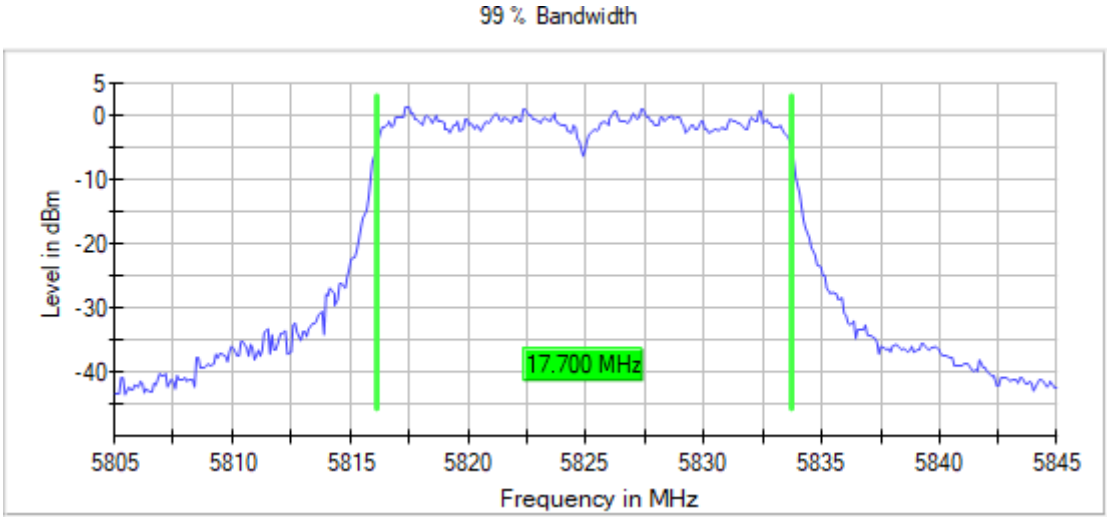


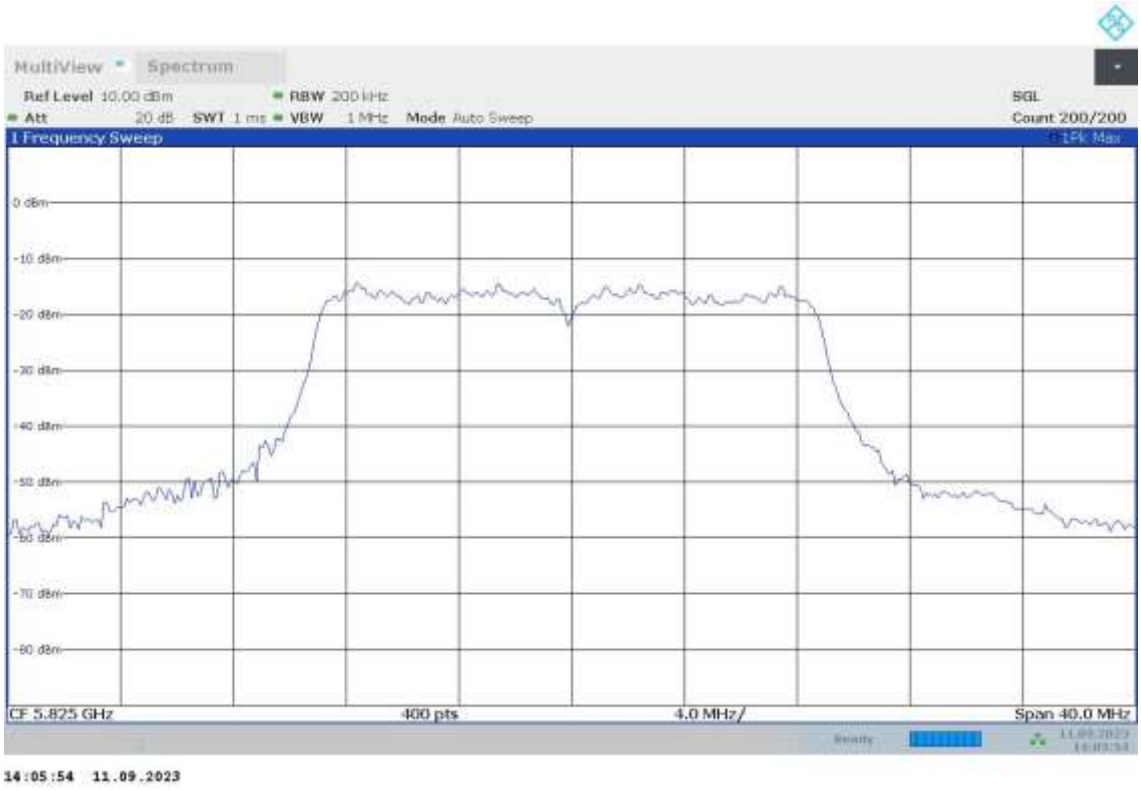
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:





Modulation: 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Occ Ch BW (MHz)
[5150, 5850]	1	5180.00000	18.800
		5200.00000	18.900
		5240.00000	18.800
		5745.00000	18.900
		5785.00000	18.800
		5825.00000	18.800

Verdict

Pass

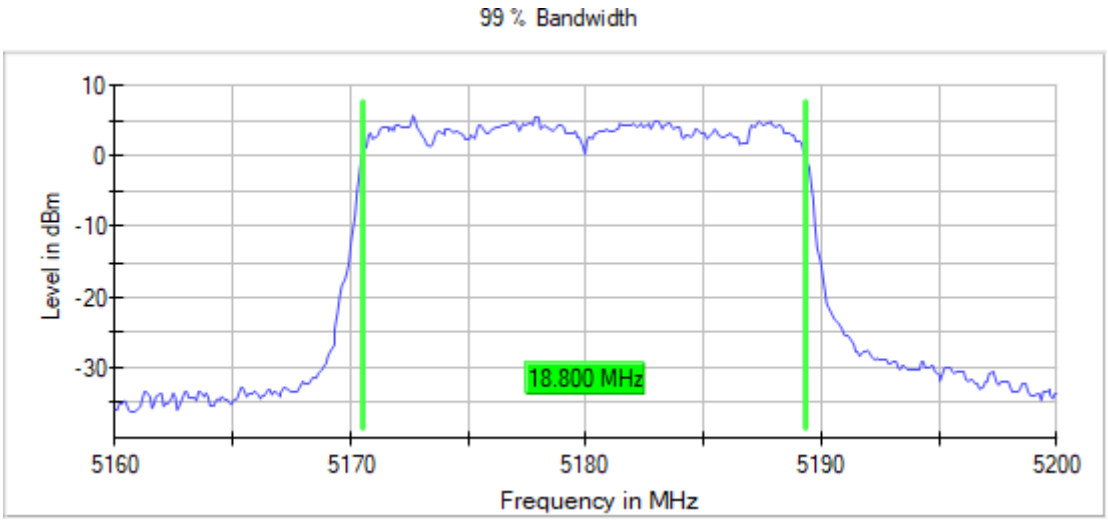
Attachments

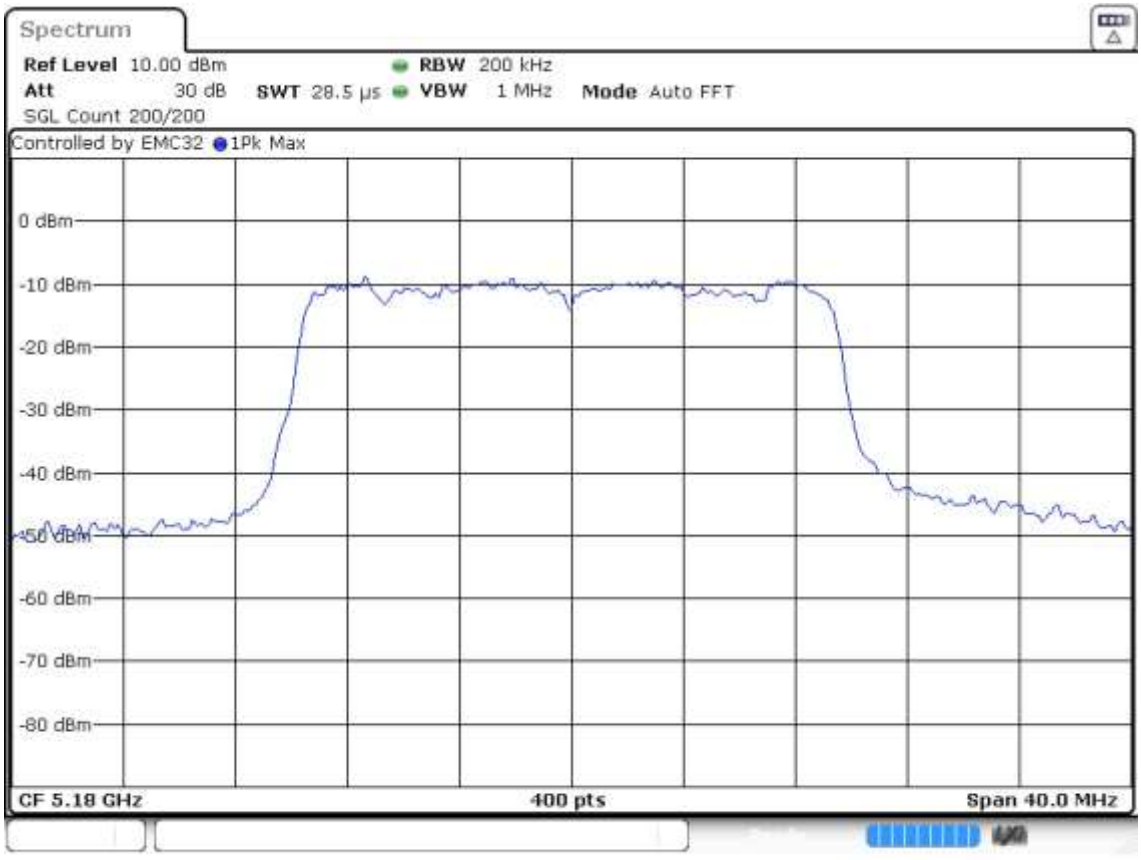
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





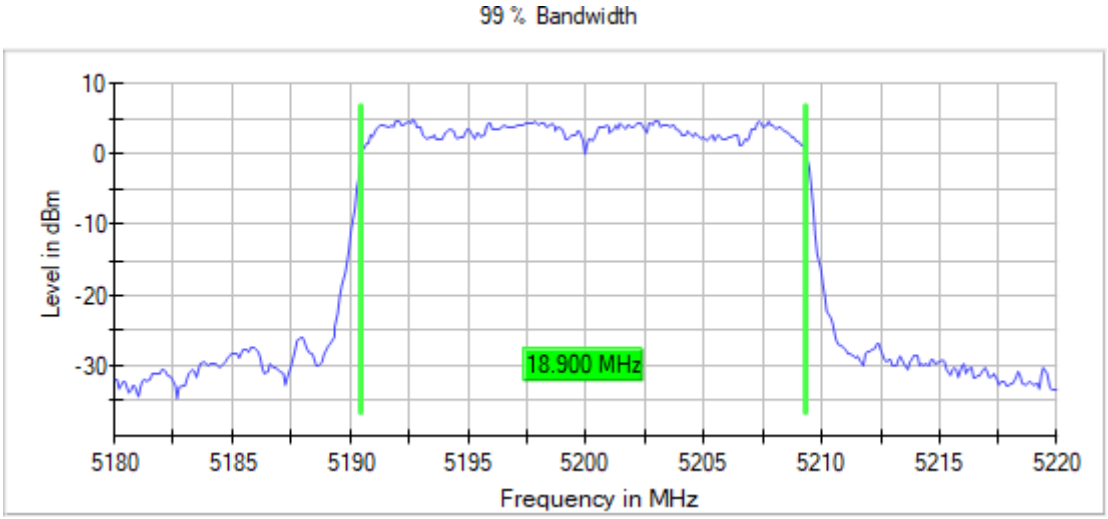
Date: 11.SEP.2023 15:00:22

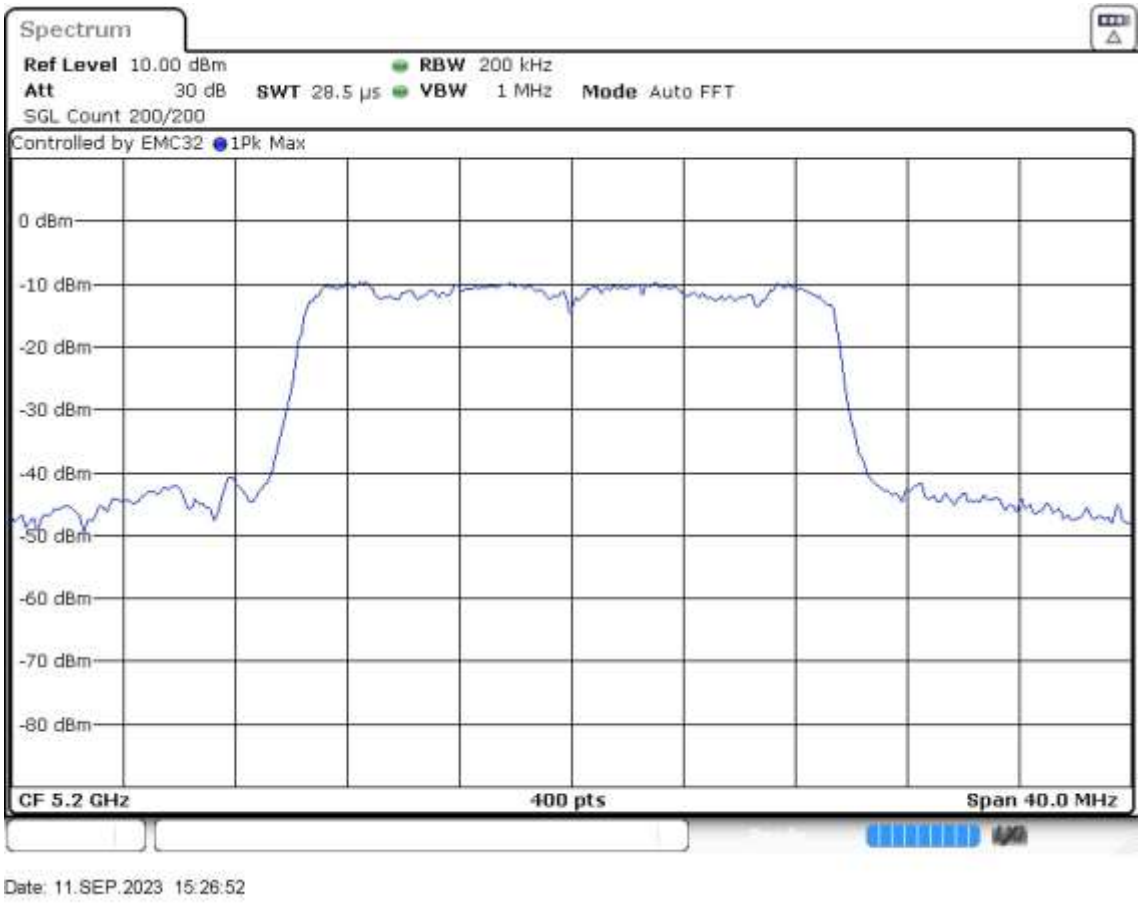
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5200.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





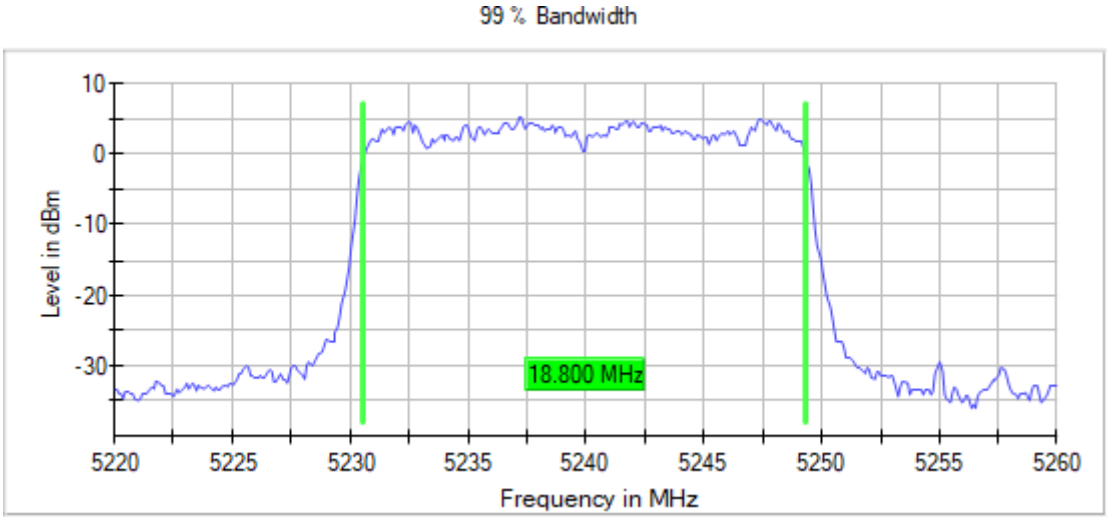
Date: 11.SEP.2023 15:26:52

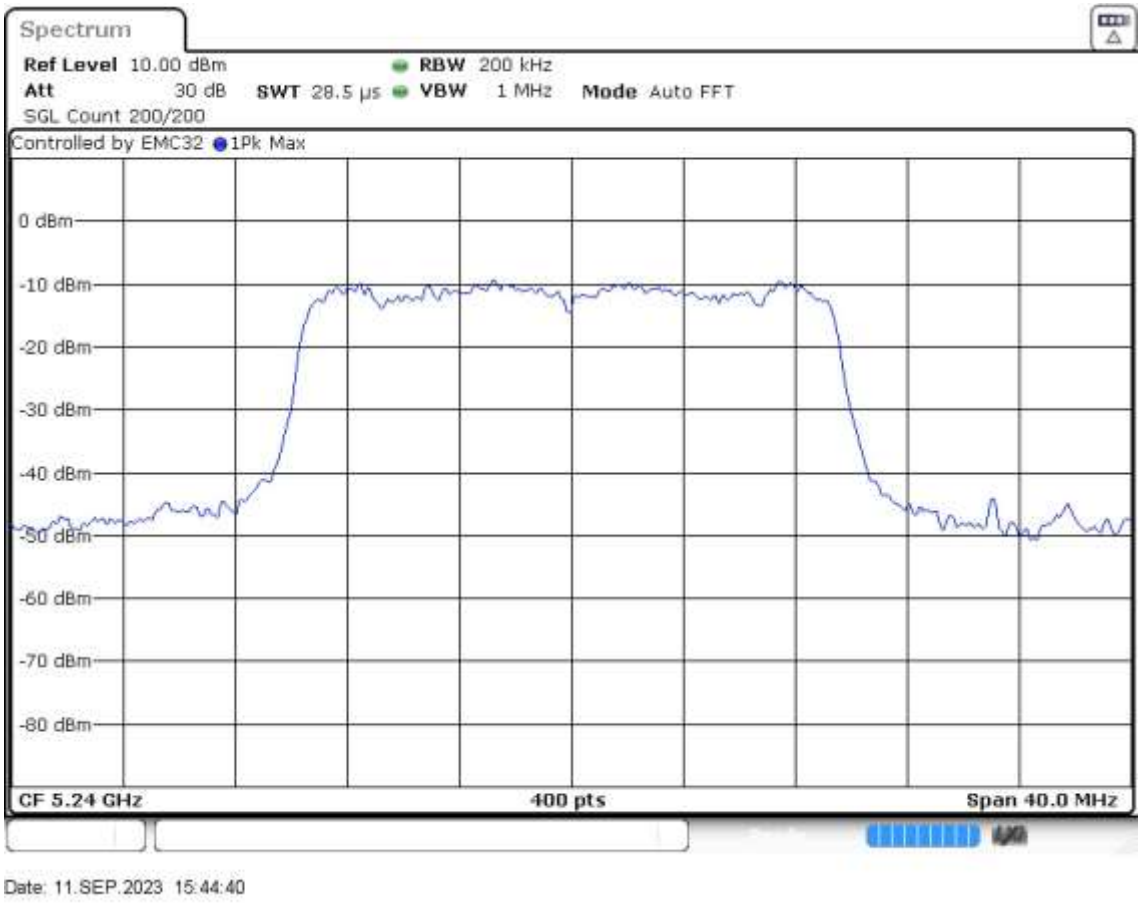
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





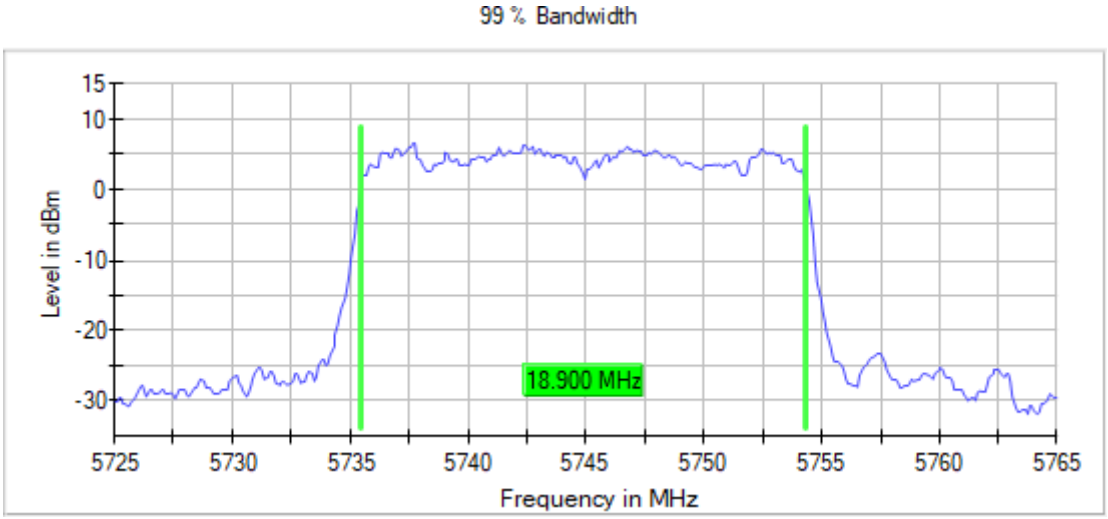
Date: 11.SEP.2023 15:44:40

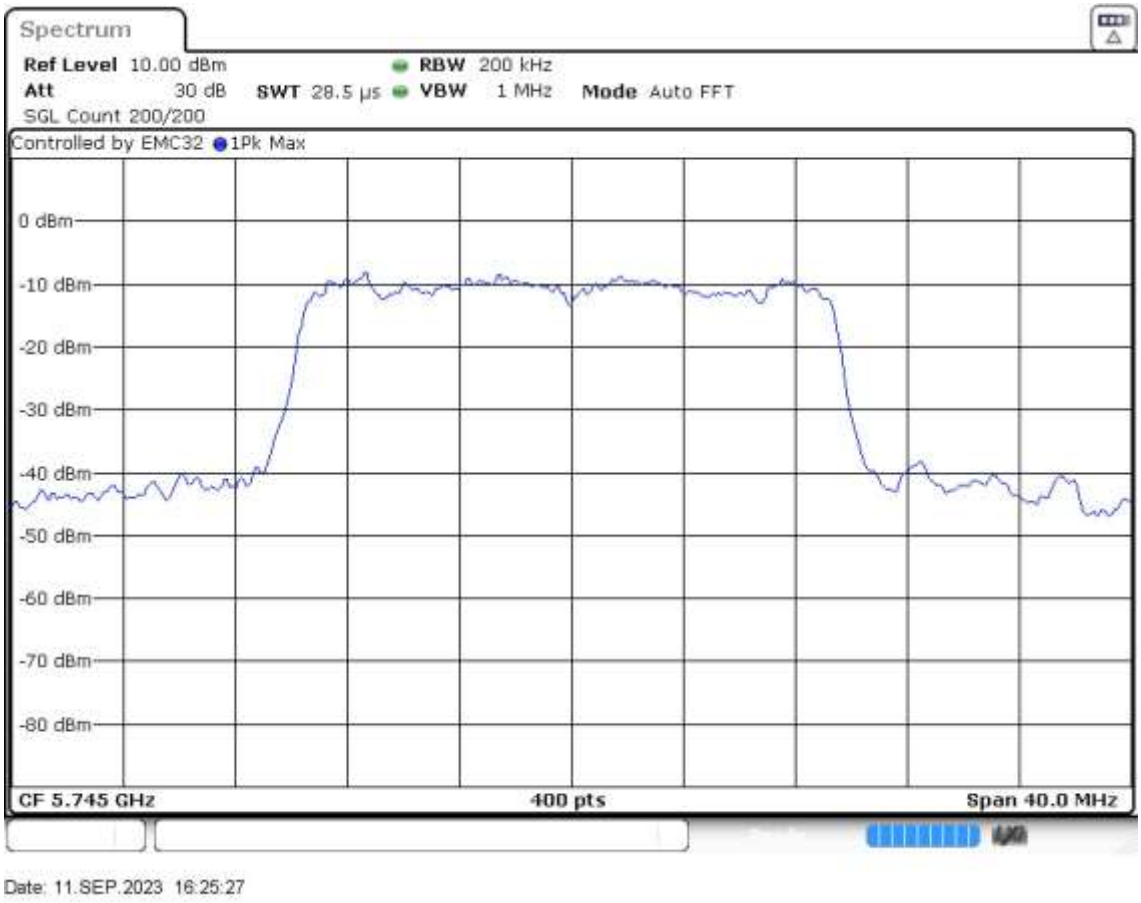
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





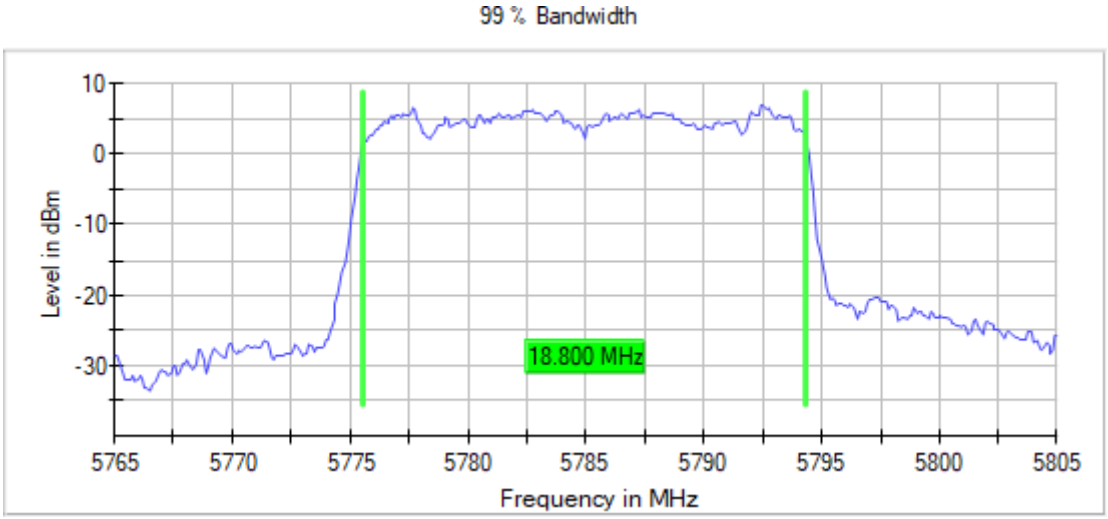
Date: 11.SEP.2023 16:25:27

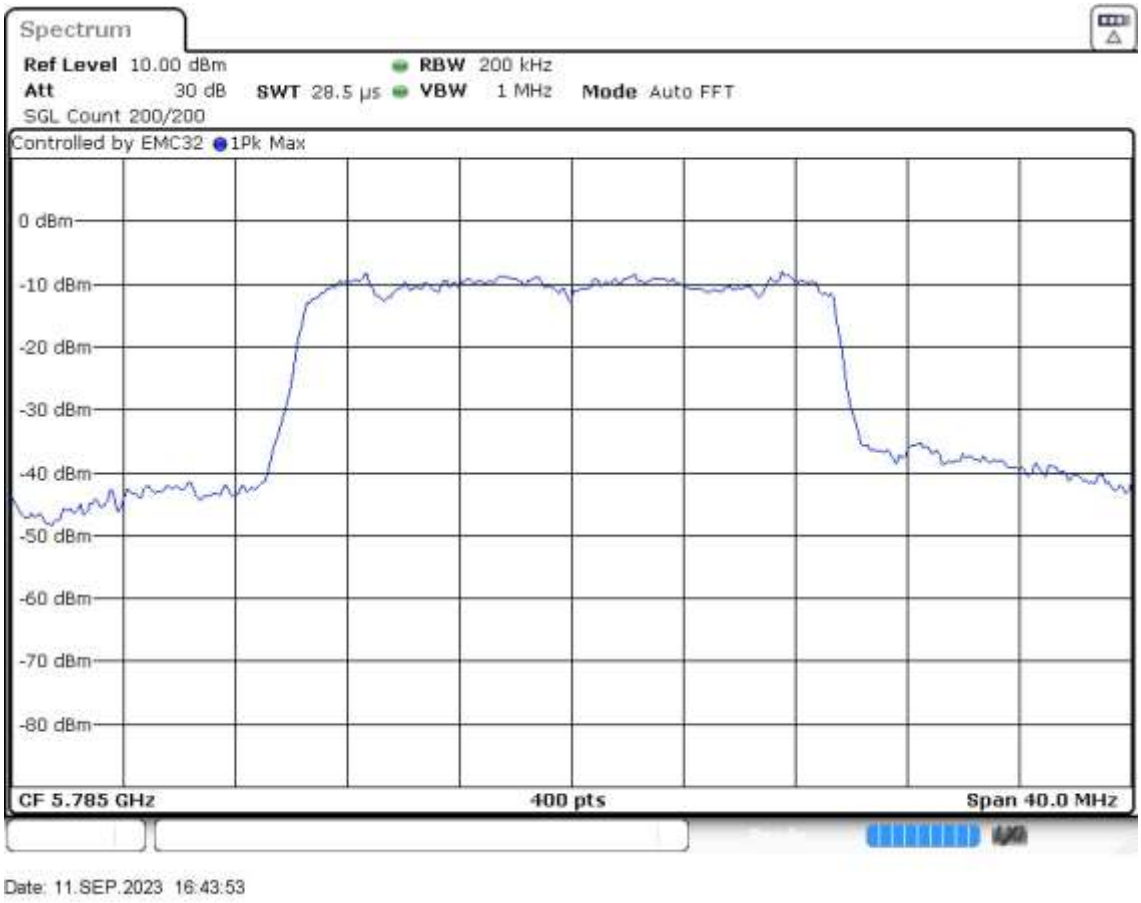
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





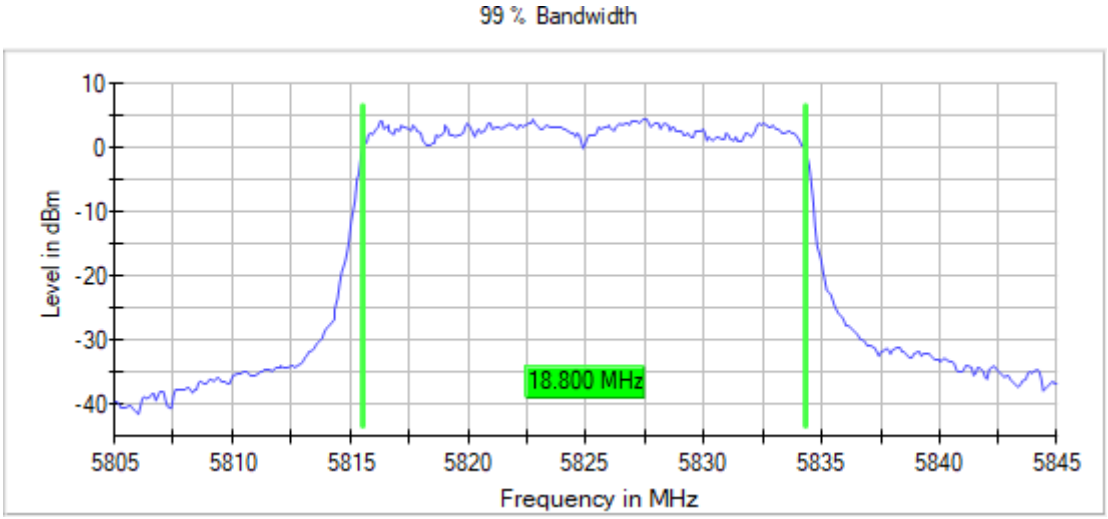
Date: 11.SEP.2023 16:43:53

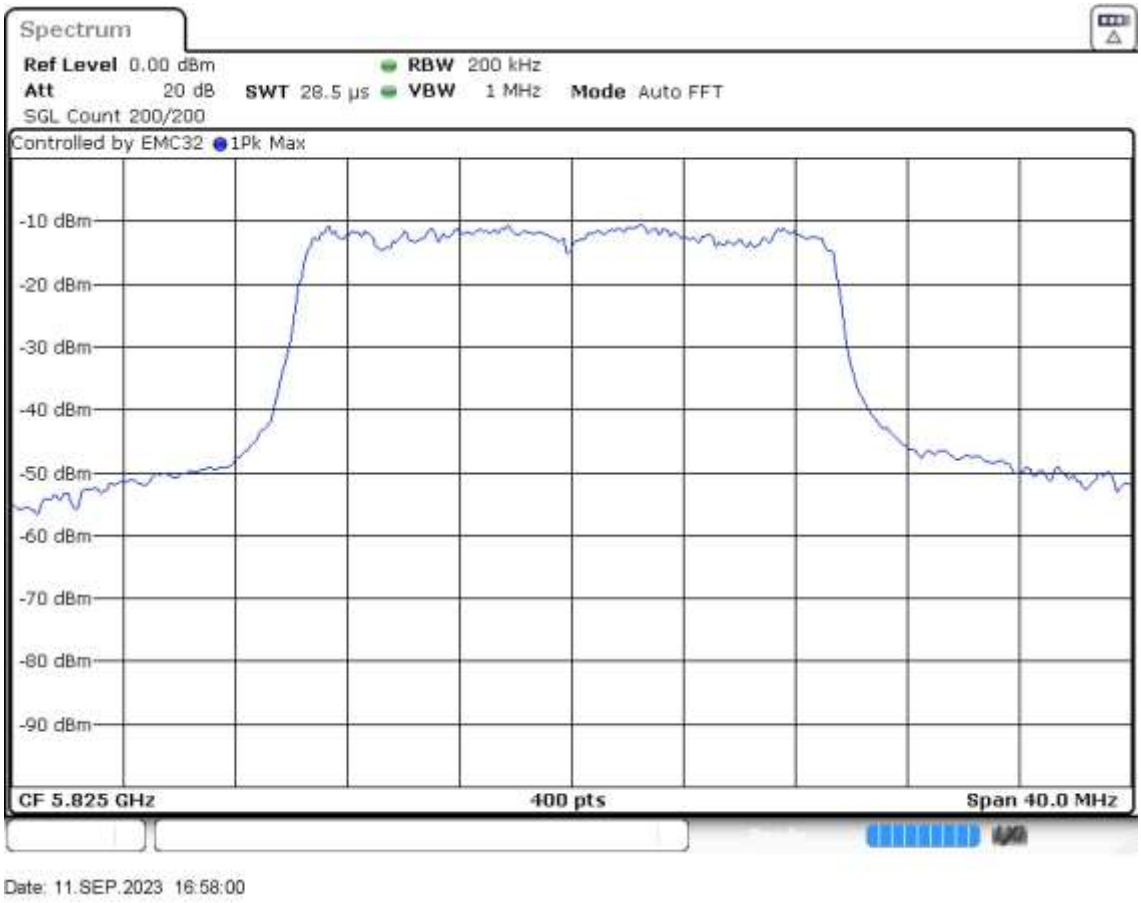
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





Date: 11.SEP.2023 16:58:00

Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Occ Ch BW (MHz)
[5150, 5850]	1	5190.00000	36.500
		5230.00000	36.500
		5755.00000	36.500
		5795.00000	36.250

Verdict

Pass

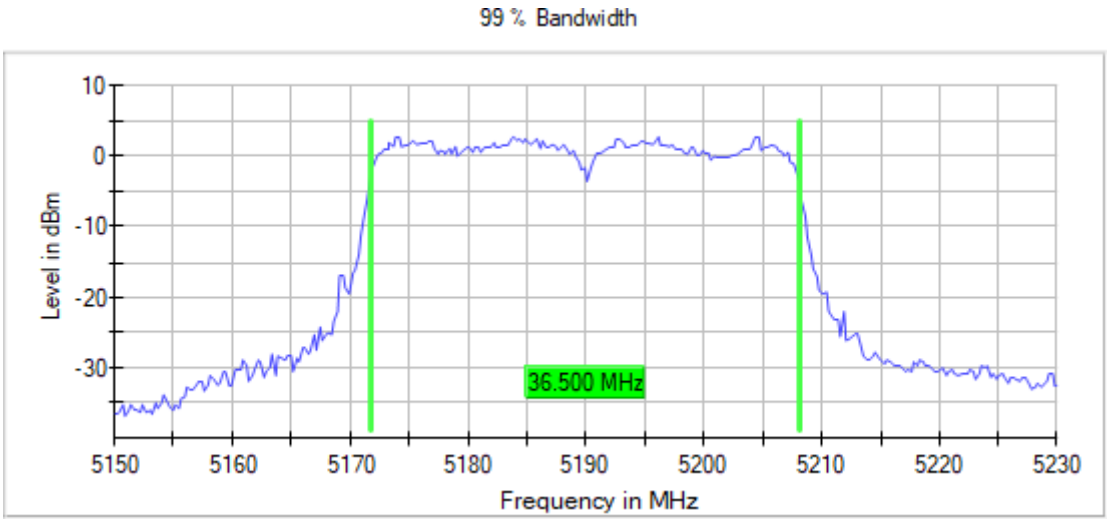
Attachments

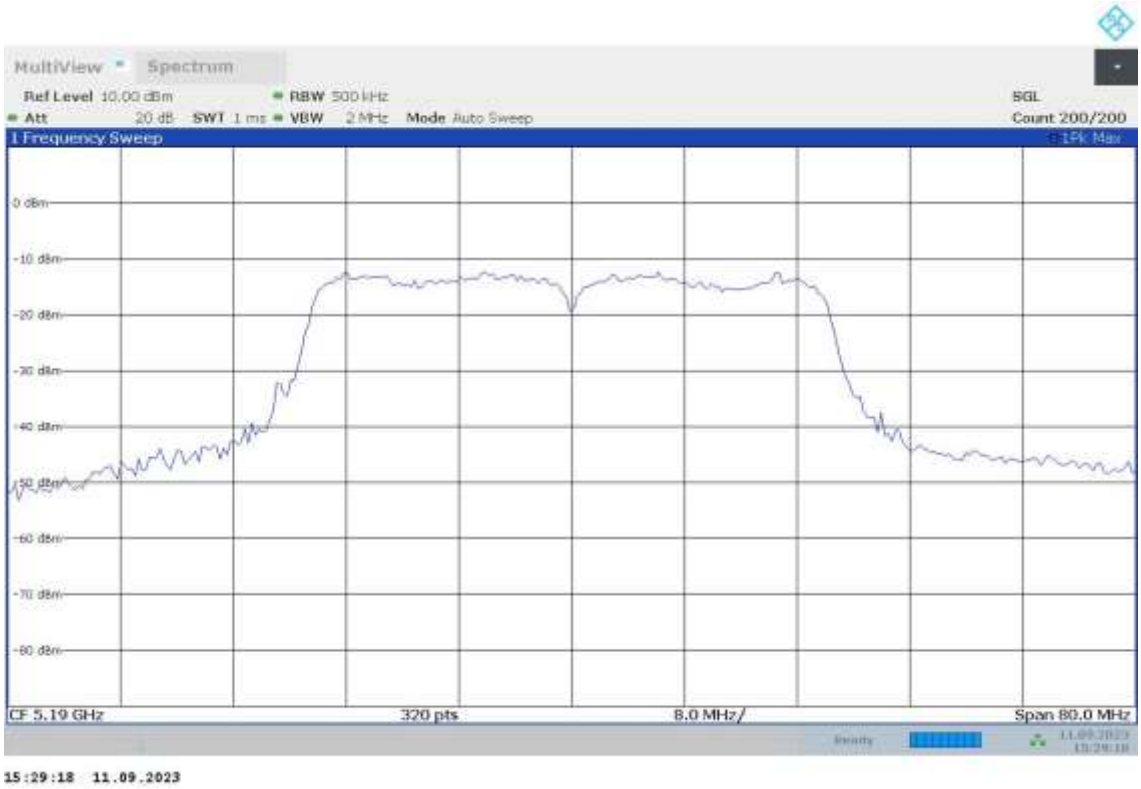
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5190.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



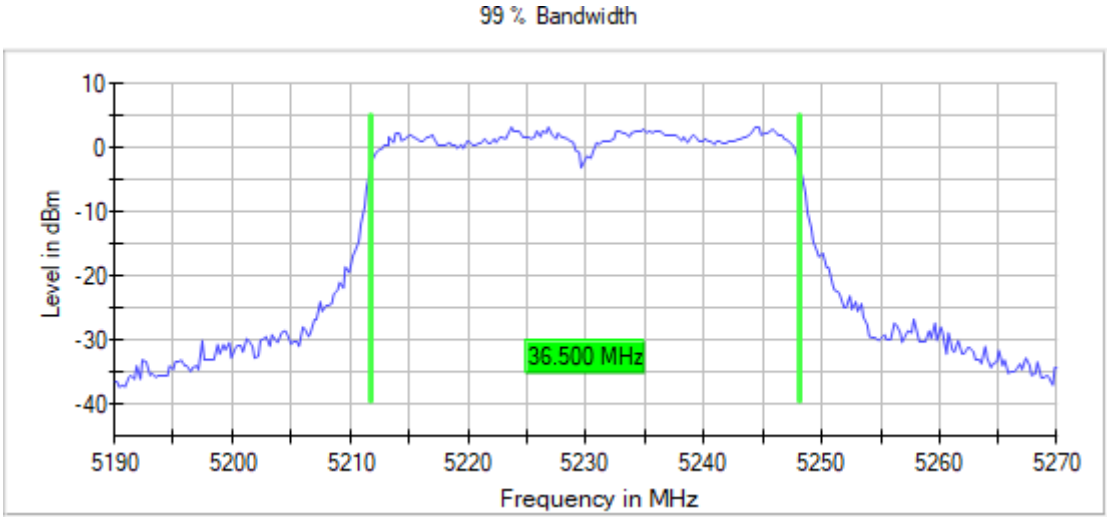


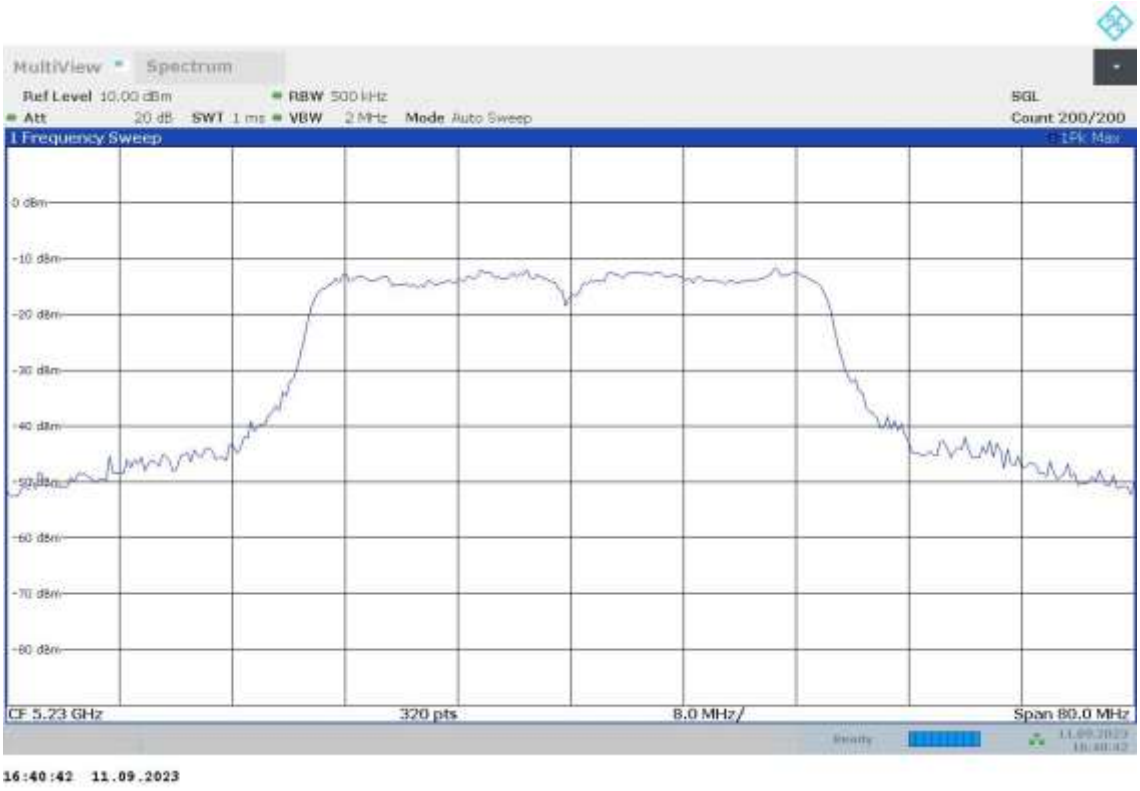
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5230.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



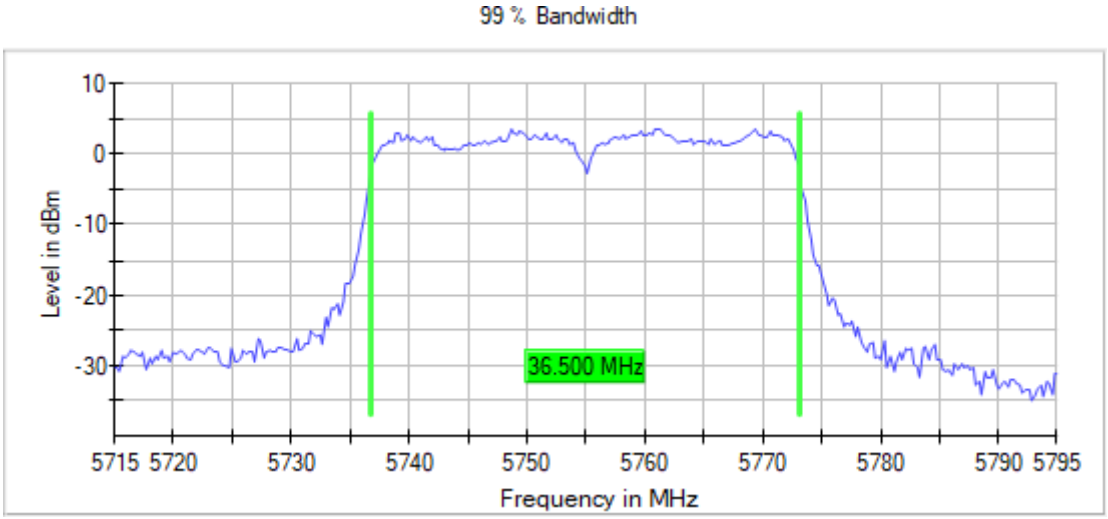


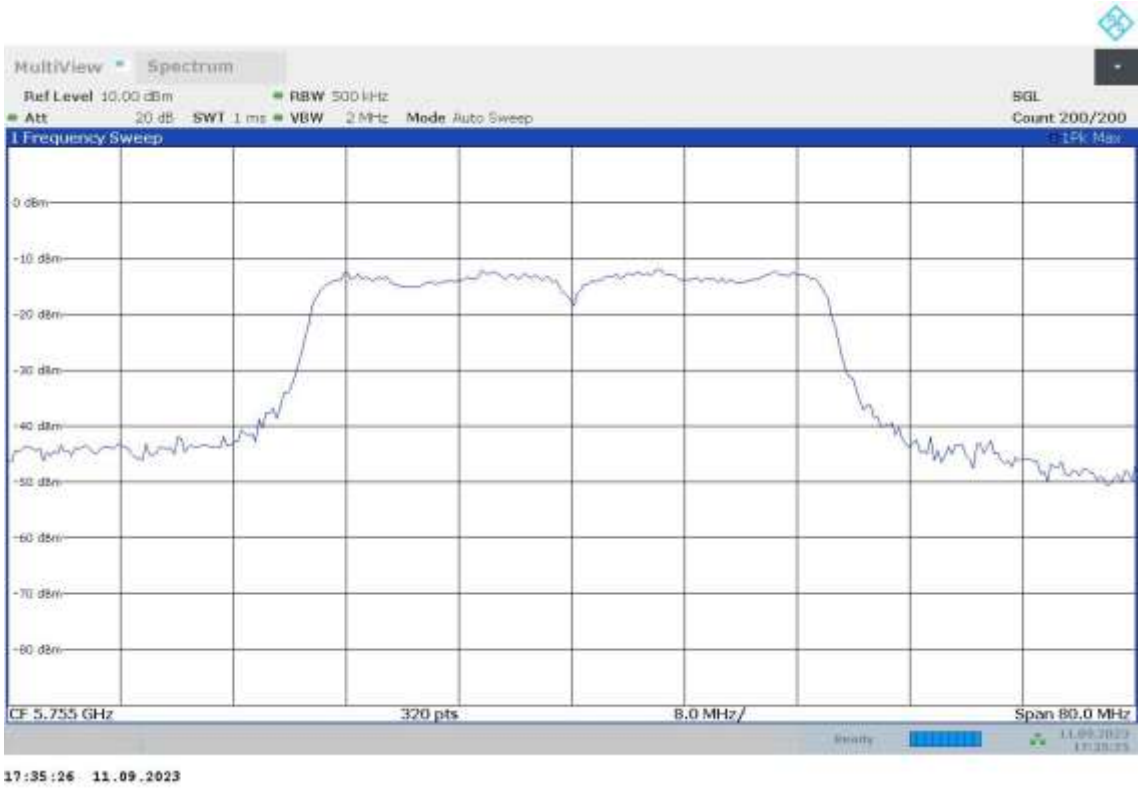
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



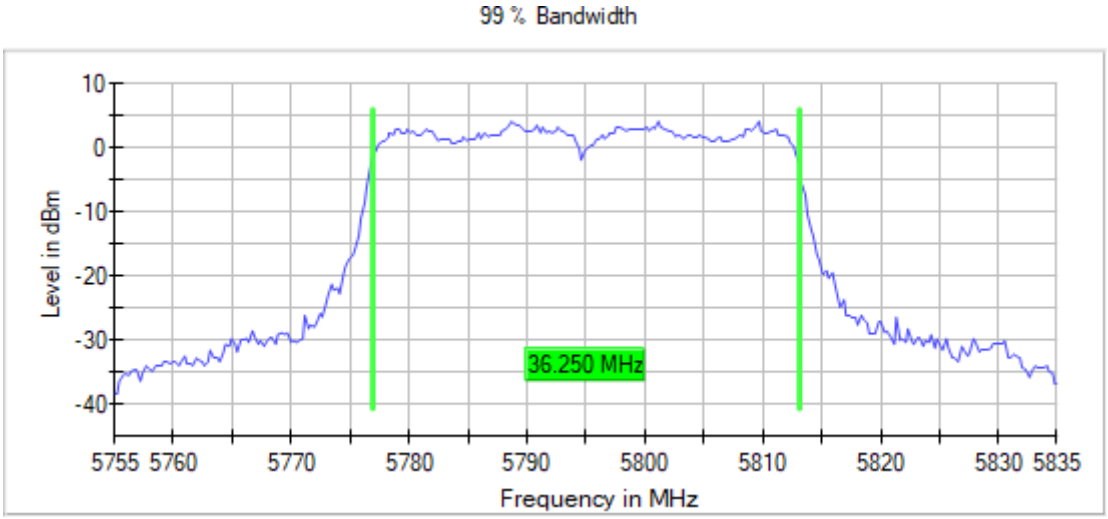


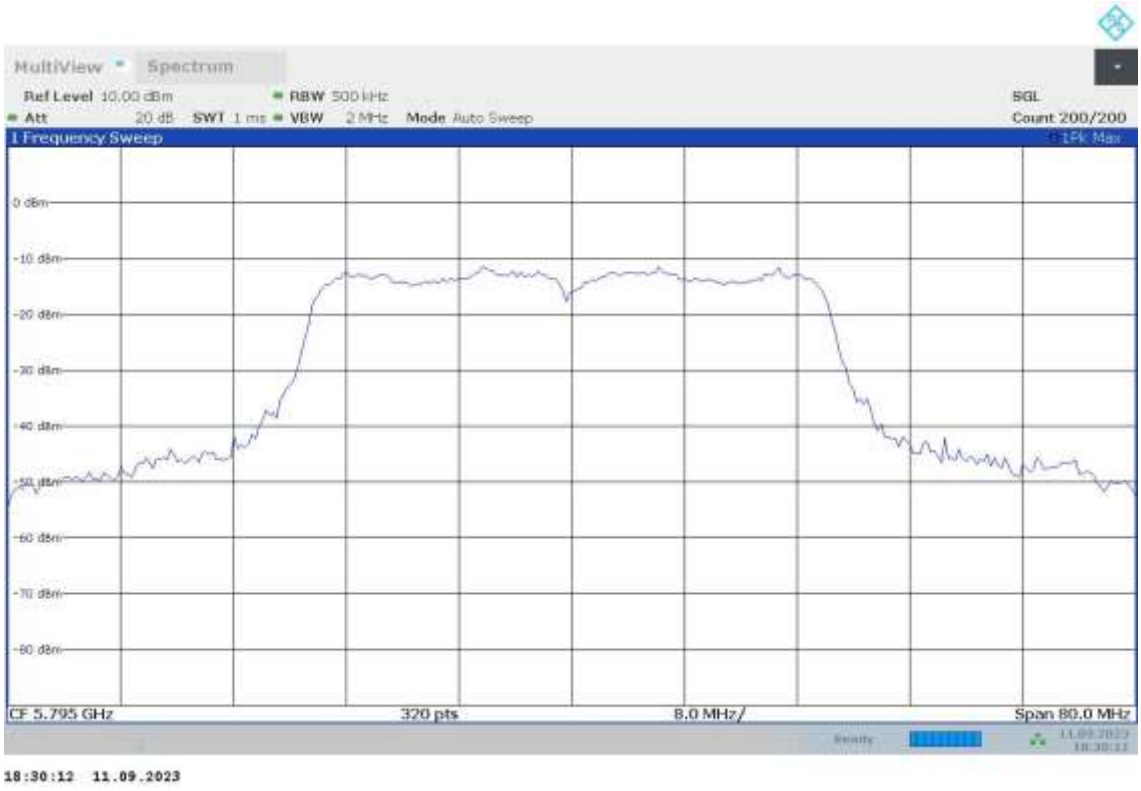
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:





Modulation: 802.11ax HE40 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Occ Ch BW (MHz)
[5150, 5850]	1	5190.00000	37.500
		5230.00000	37.750
		5755.00000	37.750
		5795.00000	37.750

Verdict

Pass

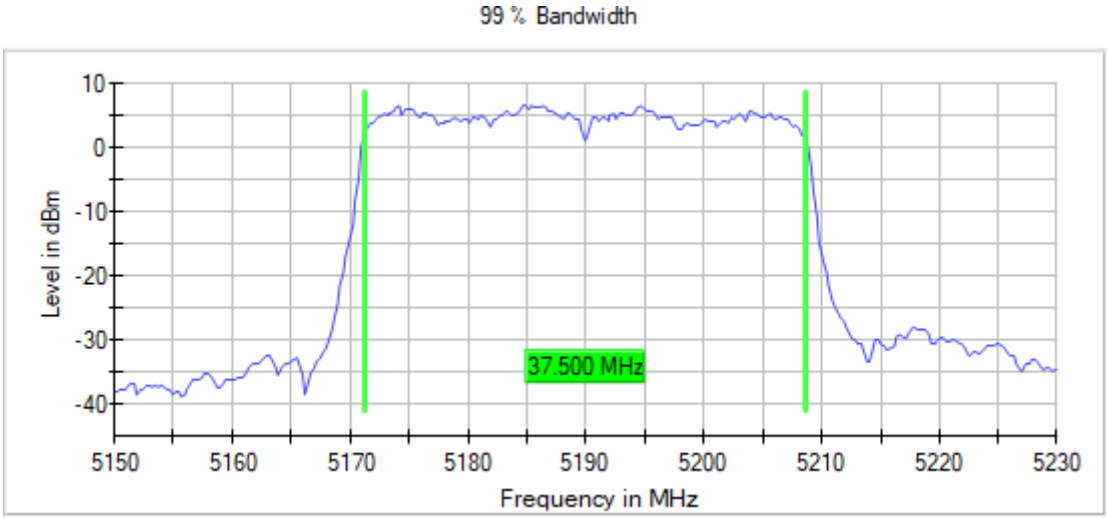
Attachments

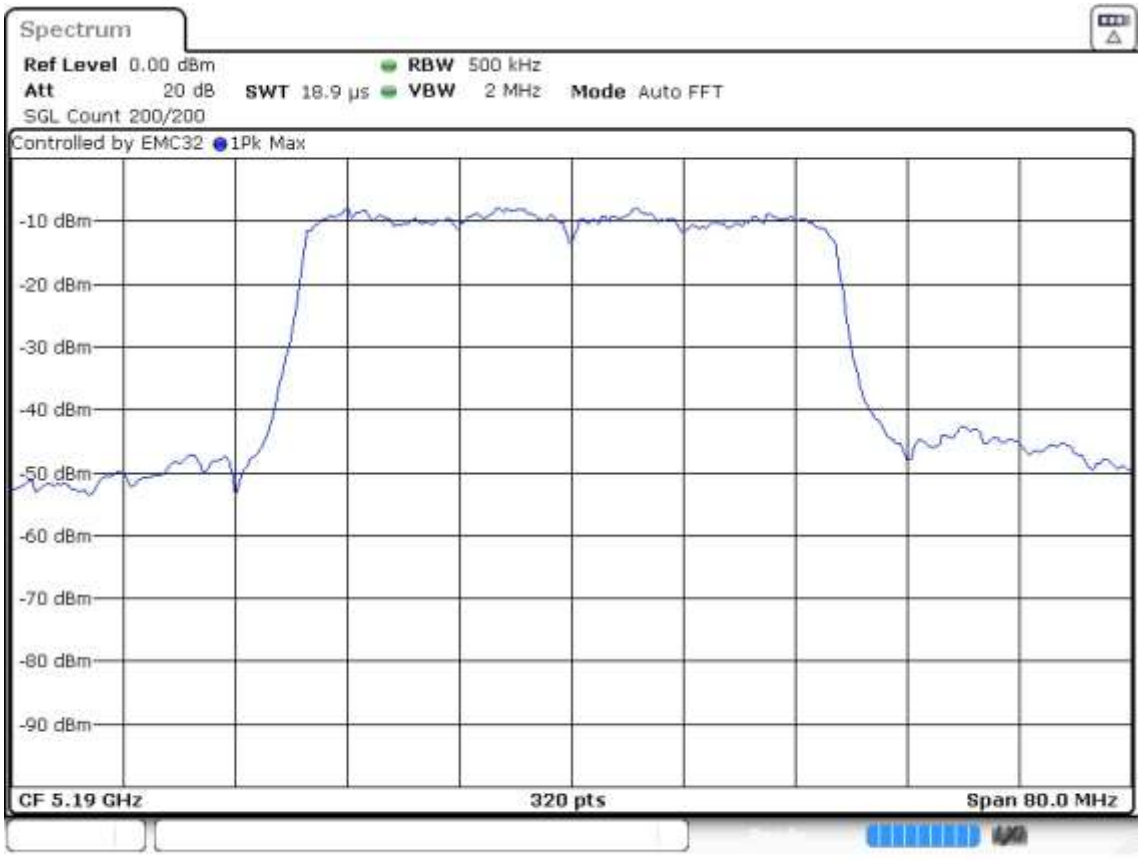
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:





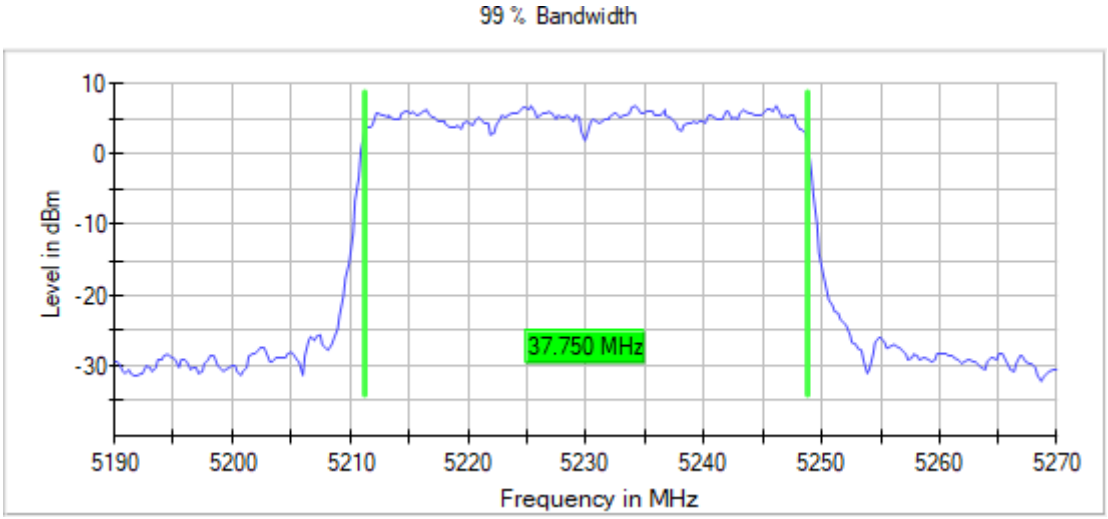
Date: 11.SEP.2023 18:32:09

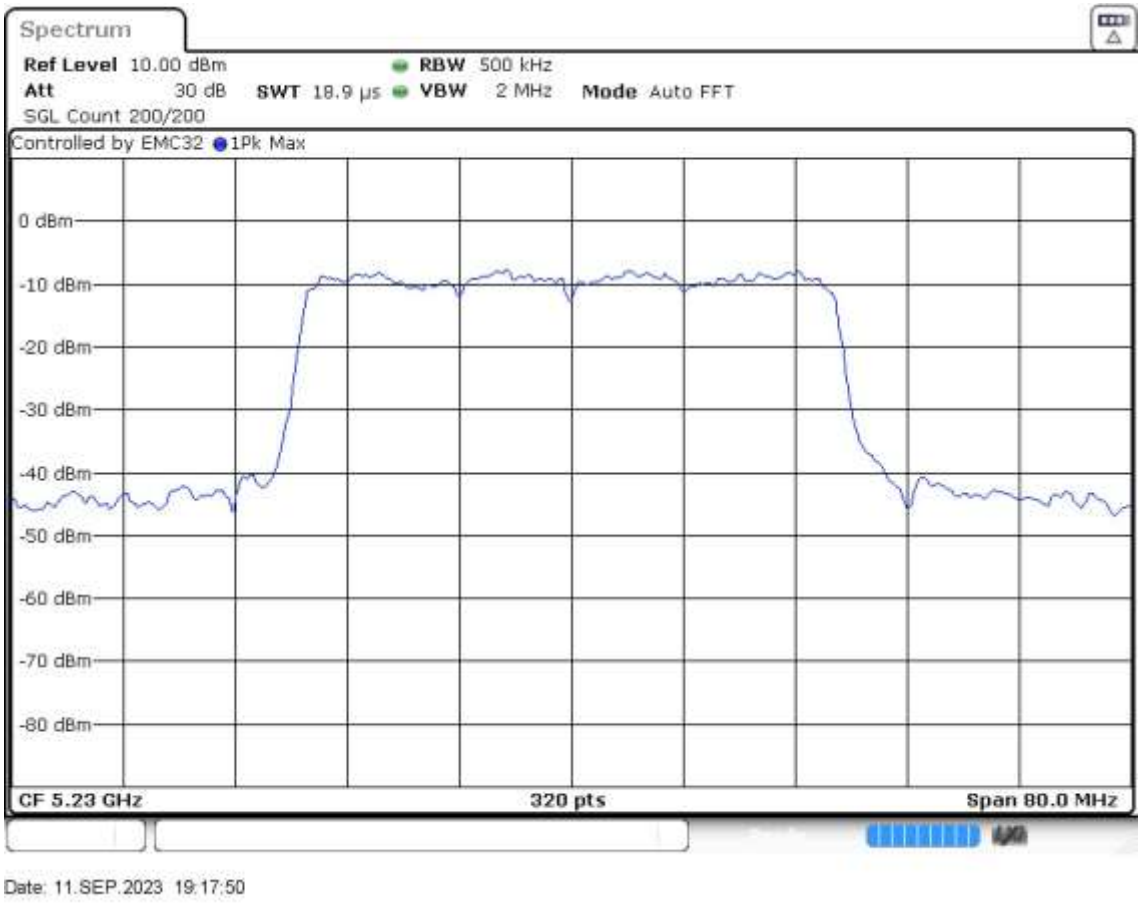
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:





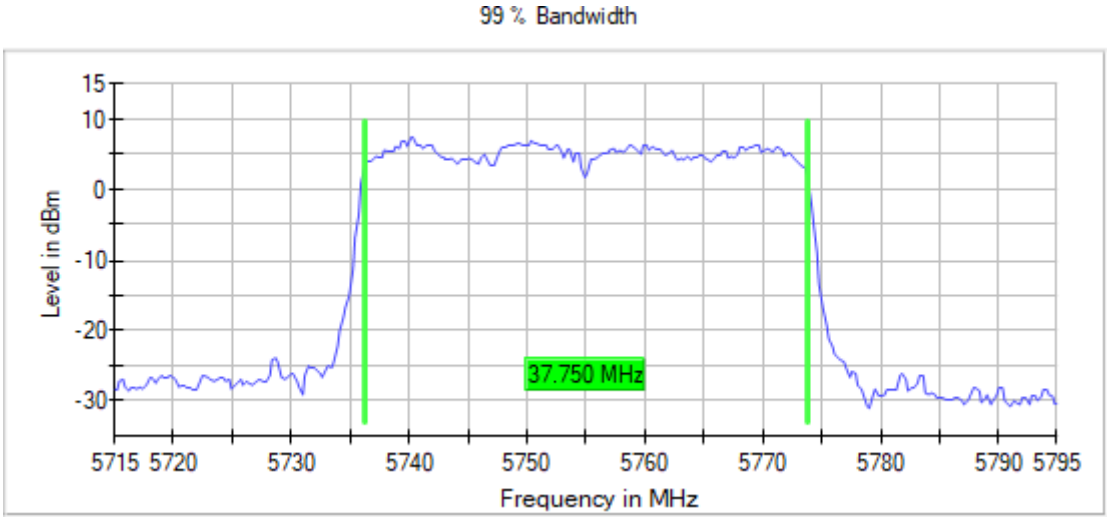
Date: 11.SEP.2023 19:17:50

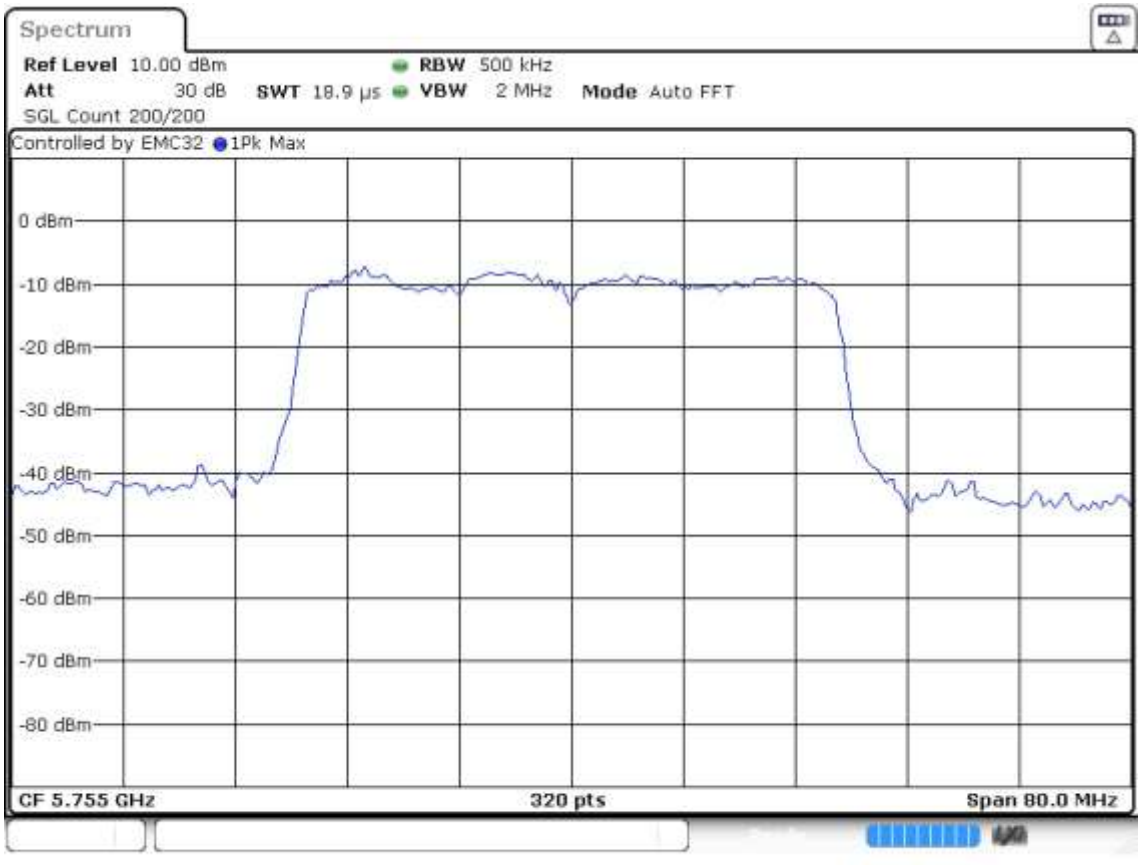
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





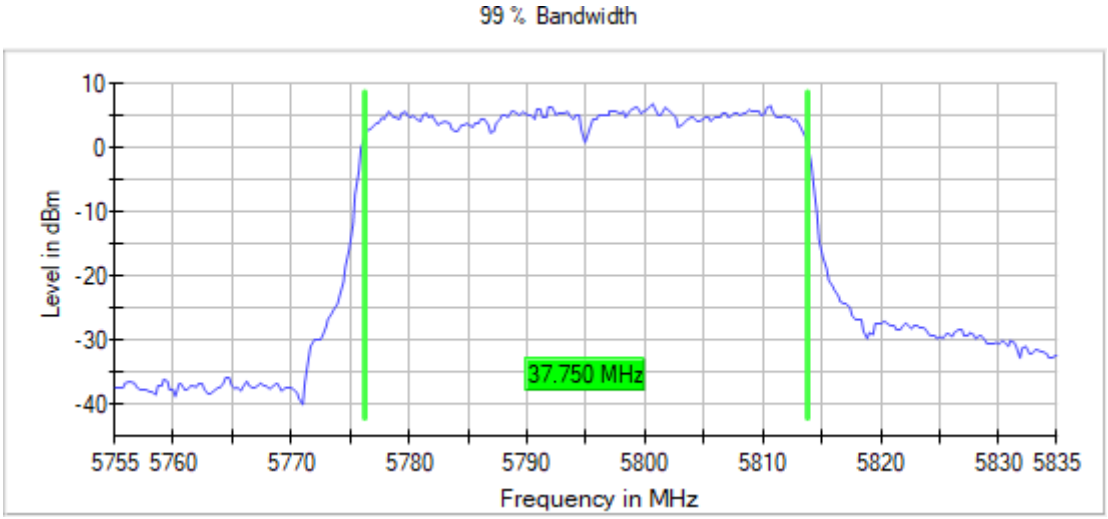
Date: 11.SEP.2023 19:56:49

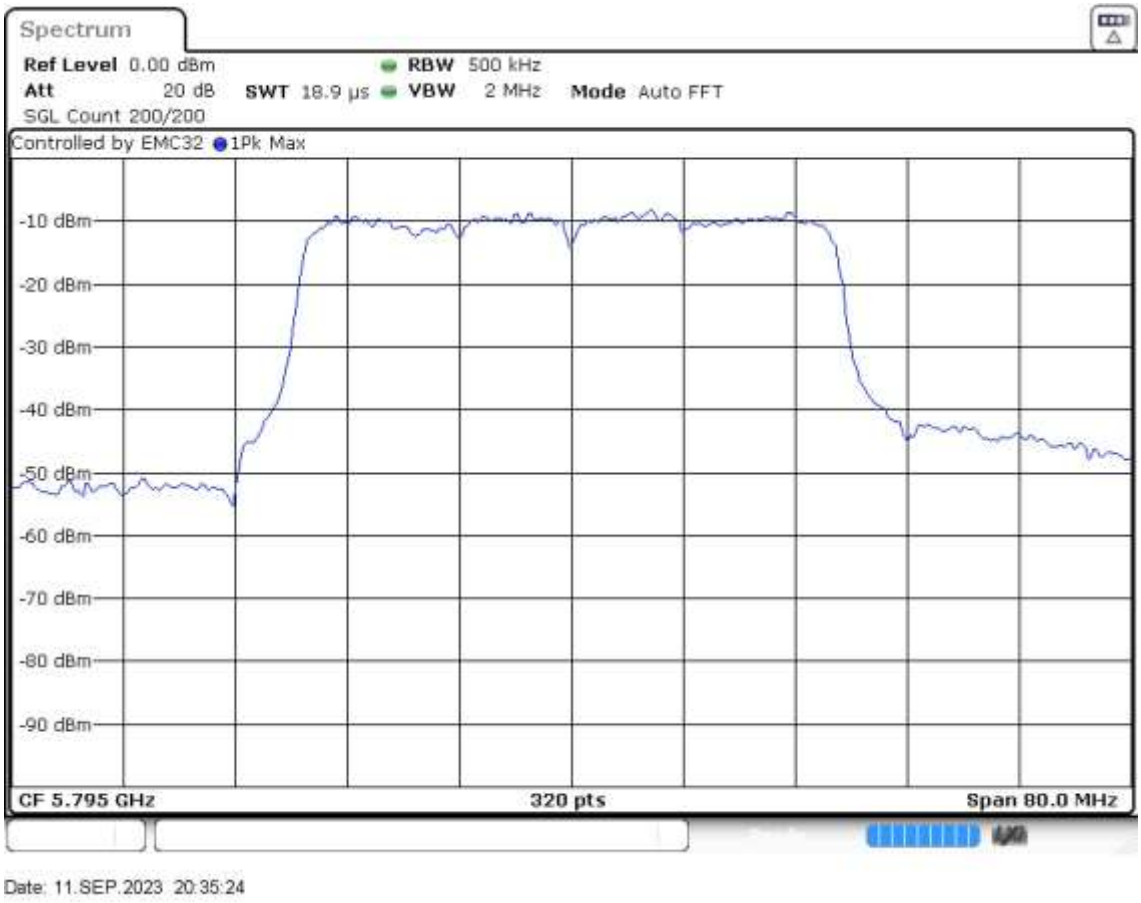
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





Date: 11.SEP.2023 20:35:24

Modulation: 802.11ac VHT80 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Occ Ch BW (MHz)
[5150, 5850]	1	5210.00000	77.500
		5775.00000	77.500

Verdict

Pass

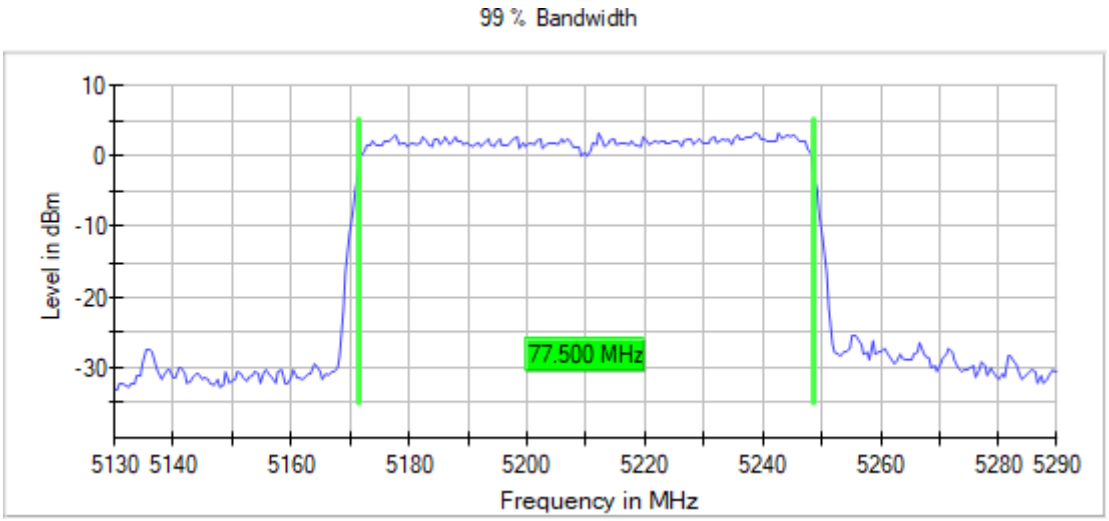
Attachments

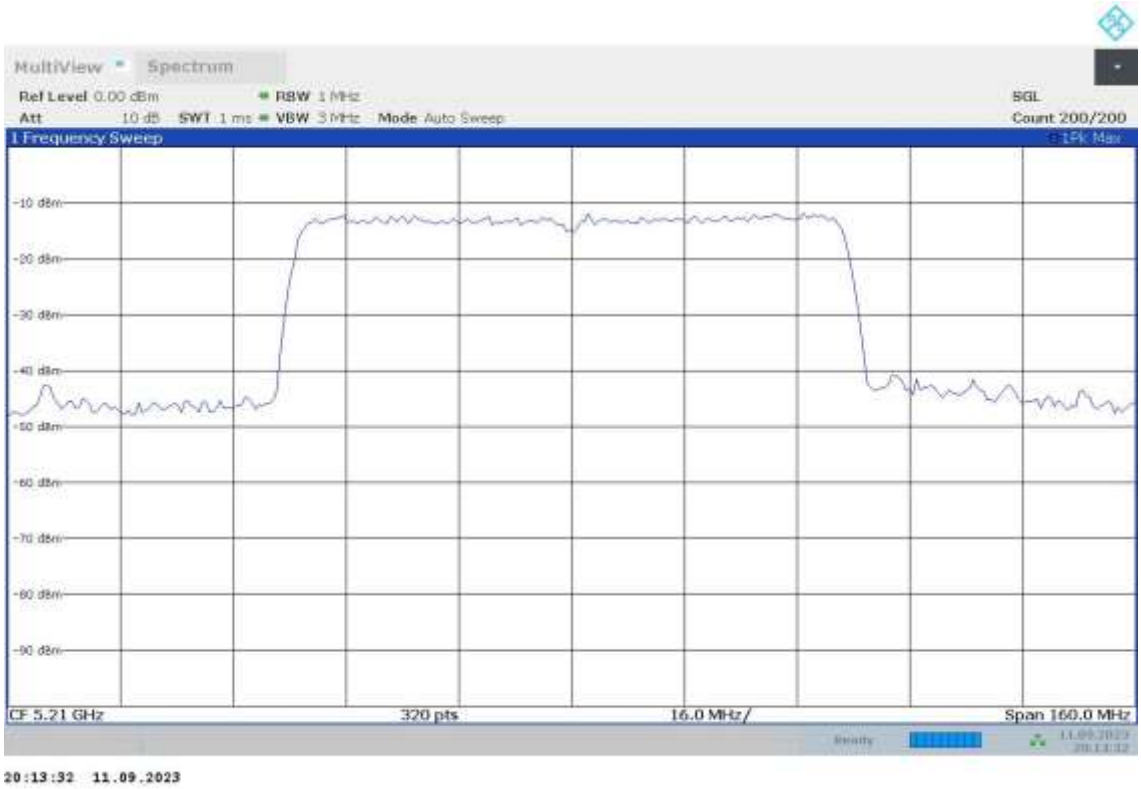
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5210.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



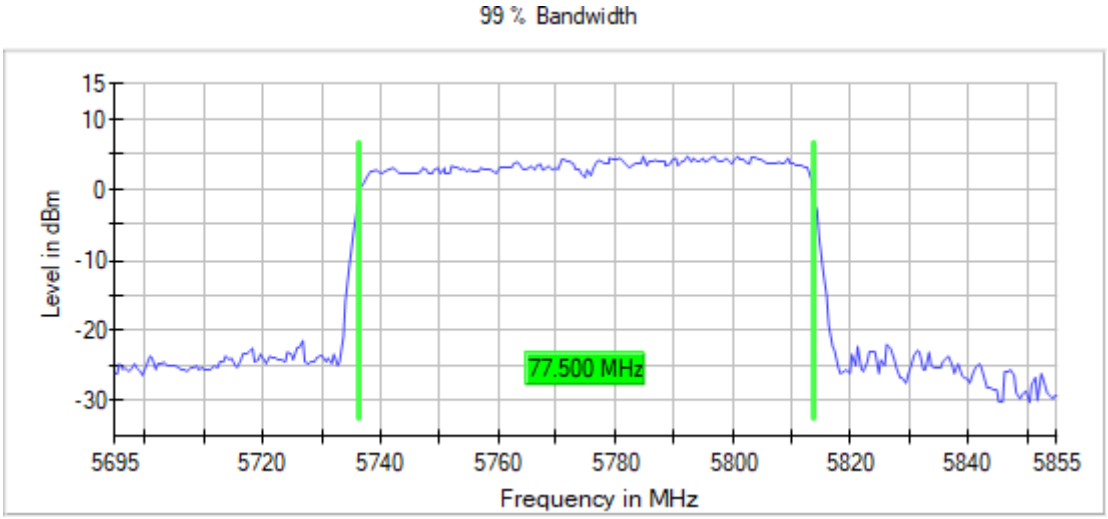


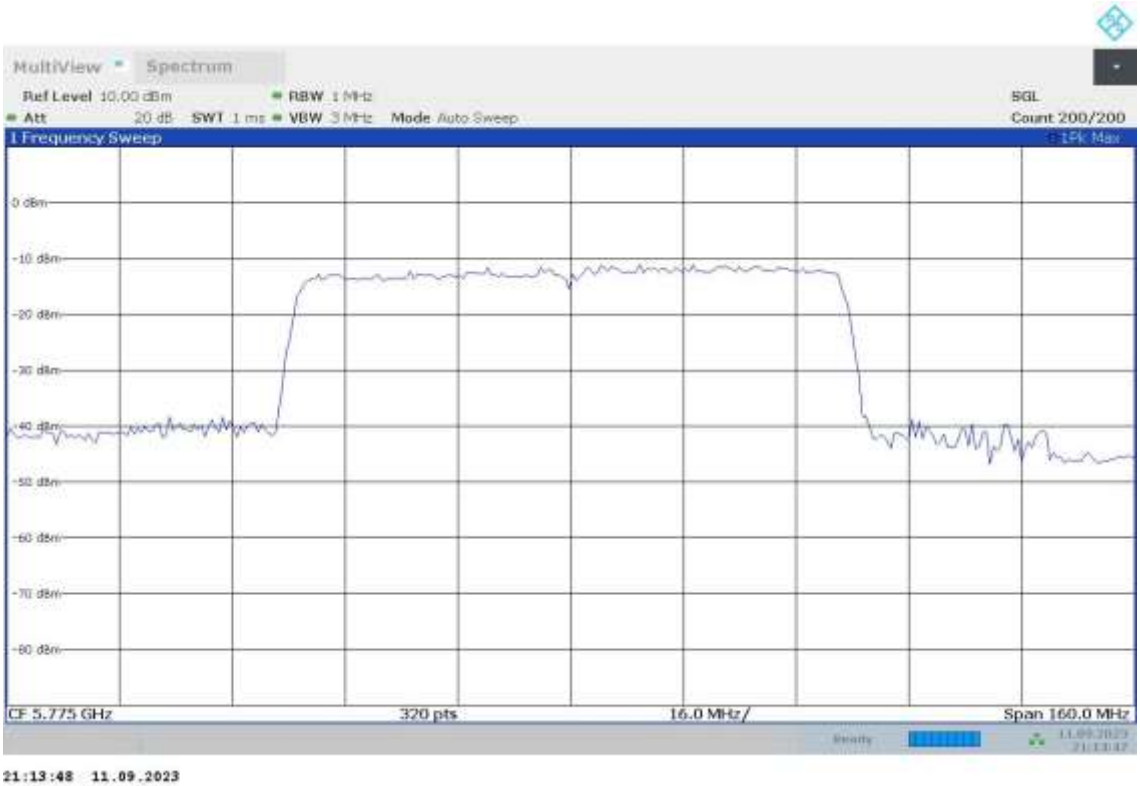
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5775.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:





Modulation: 802.11ax HE80 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Occ Ch BW (MHz)
[5150, 5850]	1	5210.00000	78.000
		5775.00000	78.000

Verdict

Pass

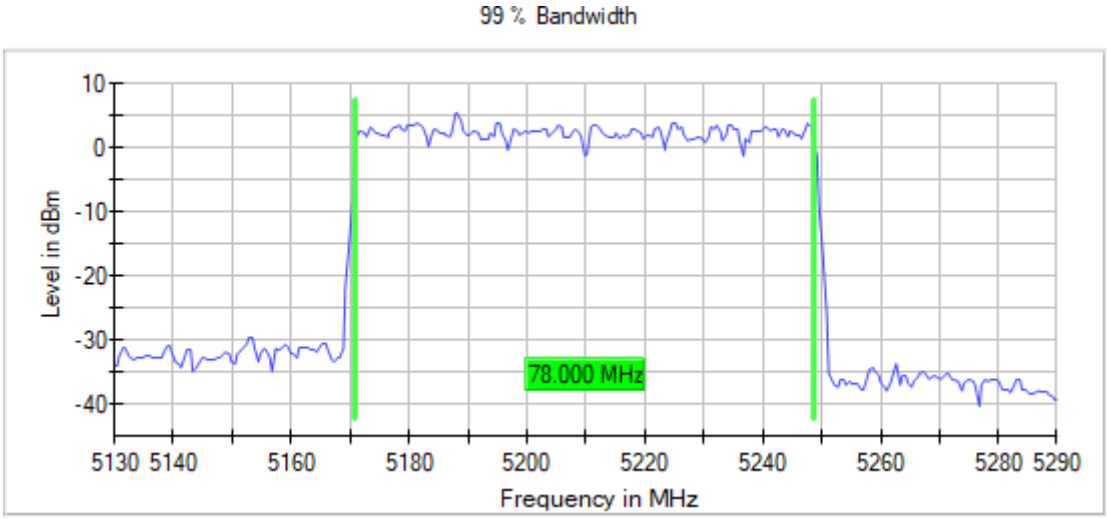
Attachments

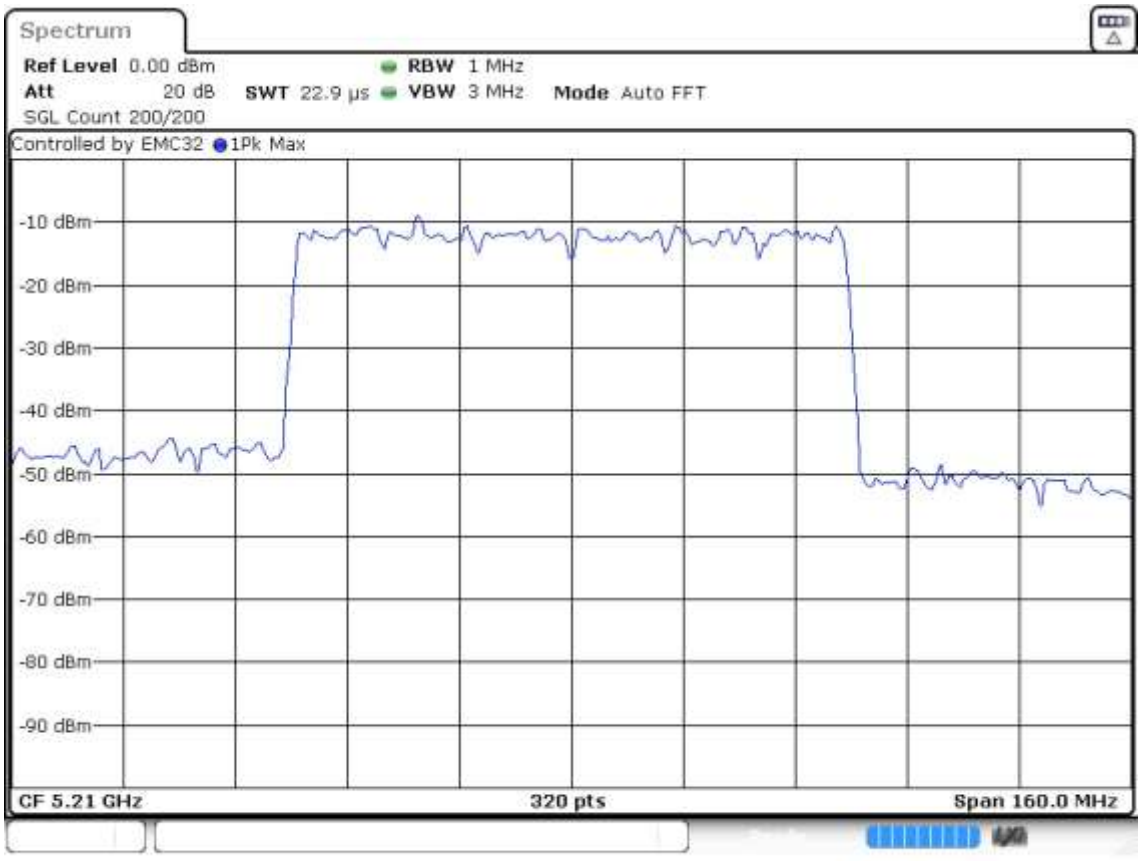
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5210.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





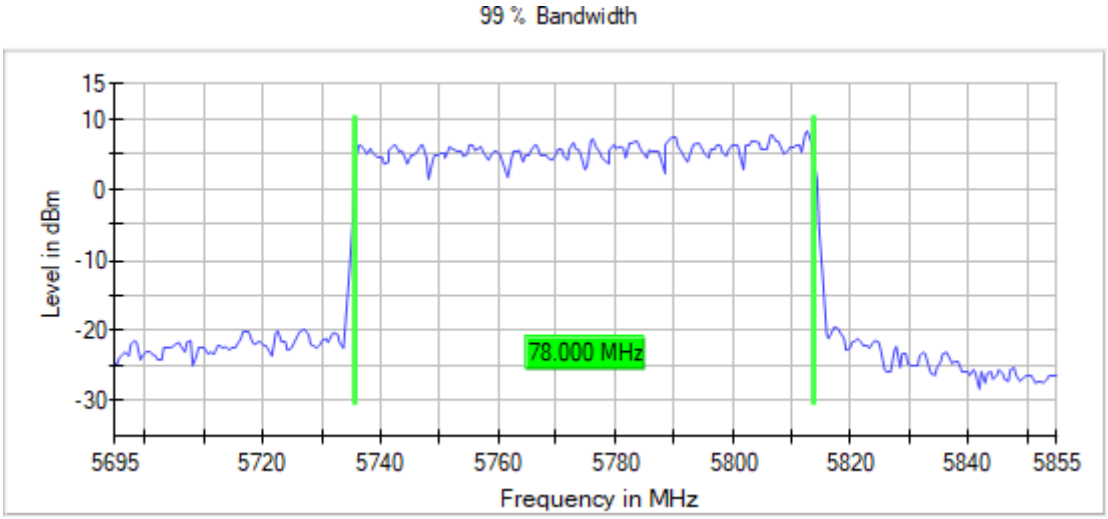
Date: 12.SEP.2023 11:09:36

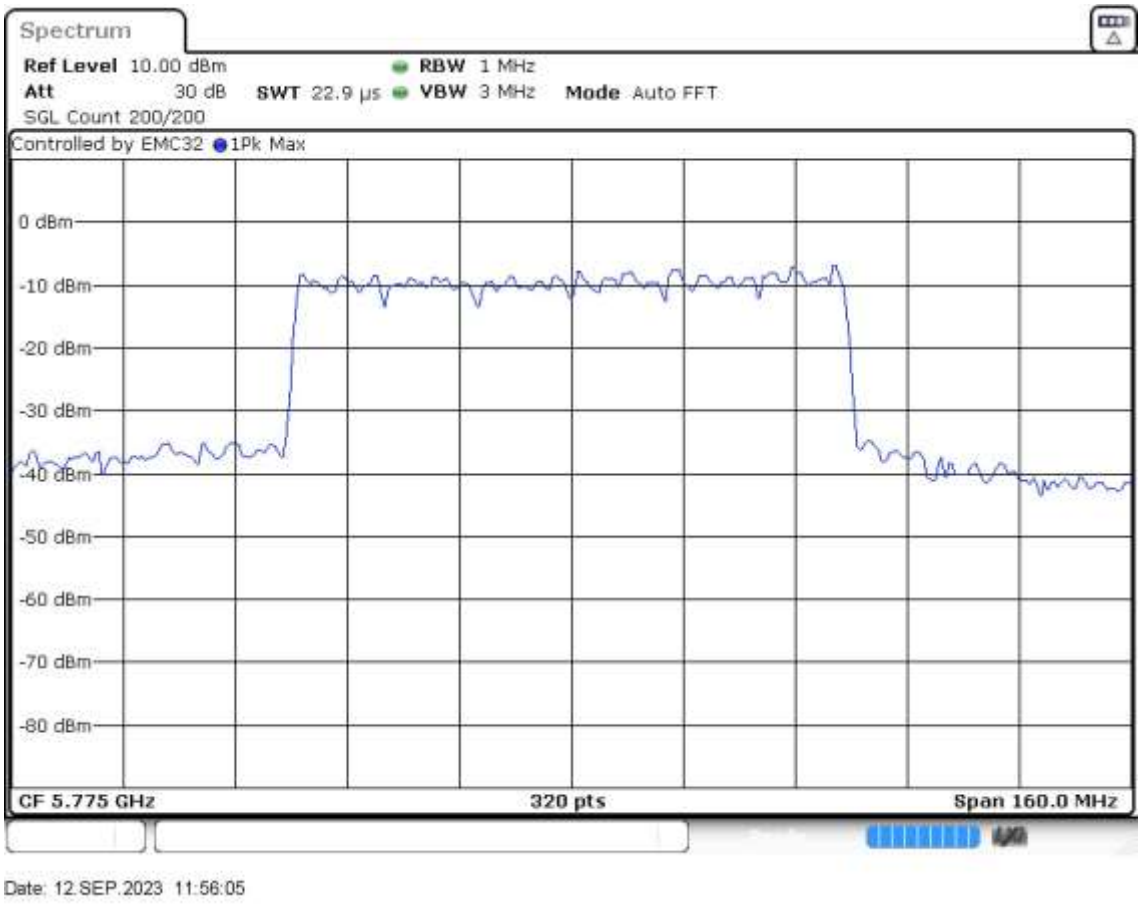
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





Date: 12.SEP.2023 11:56:05

Modulation: 802.11a (OFDM 6 Mbit/s)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Occ Ch BW (MHz)
[5150, 5850]	1	5180.00000	16.700
		5200.00000	16.700
		5240.00000	16.600
		5745.00000	16.700
		5785.00000	16.600
		5825.00000	16.700

Verdict

Pass

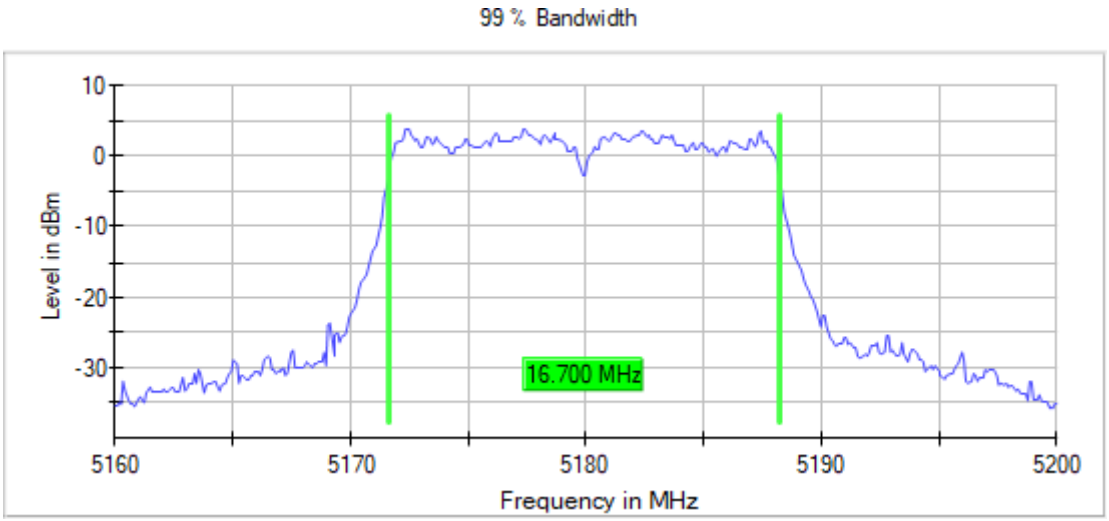
Attachments

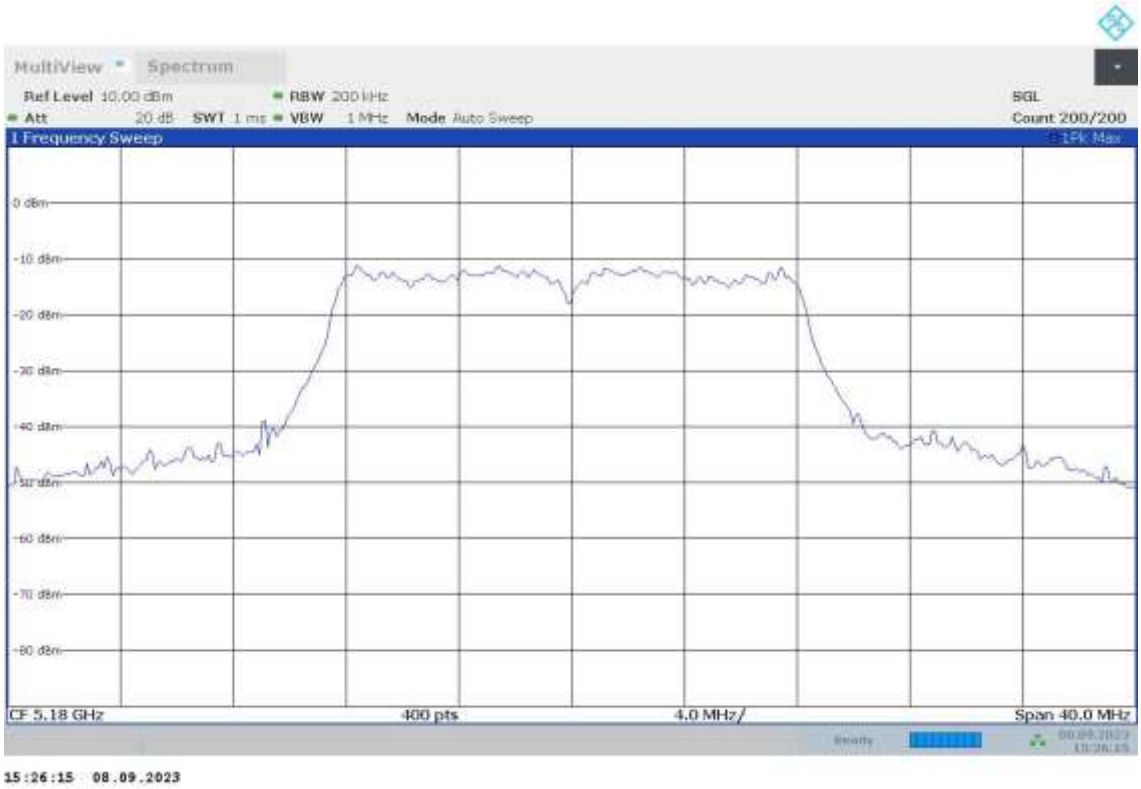
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



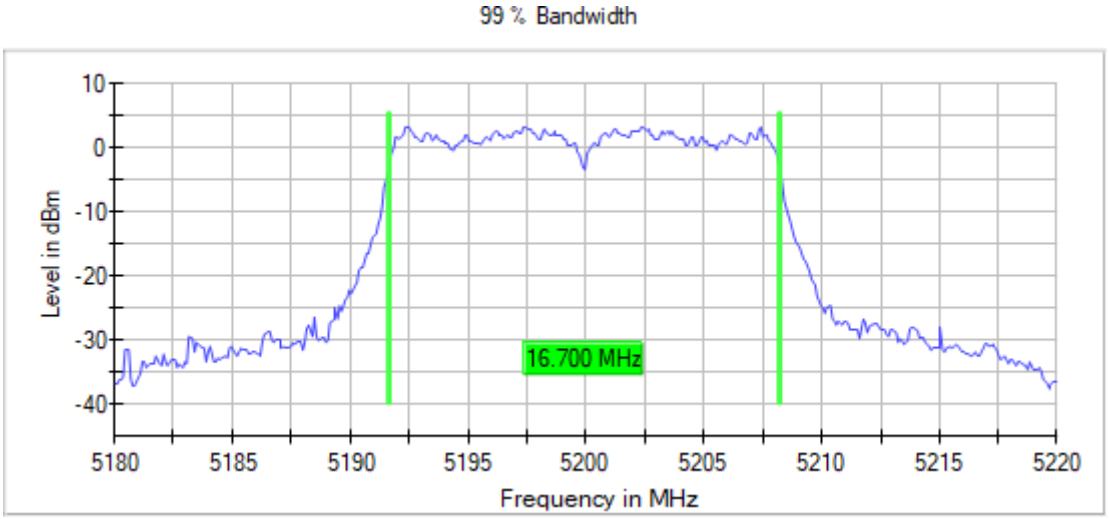


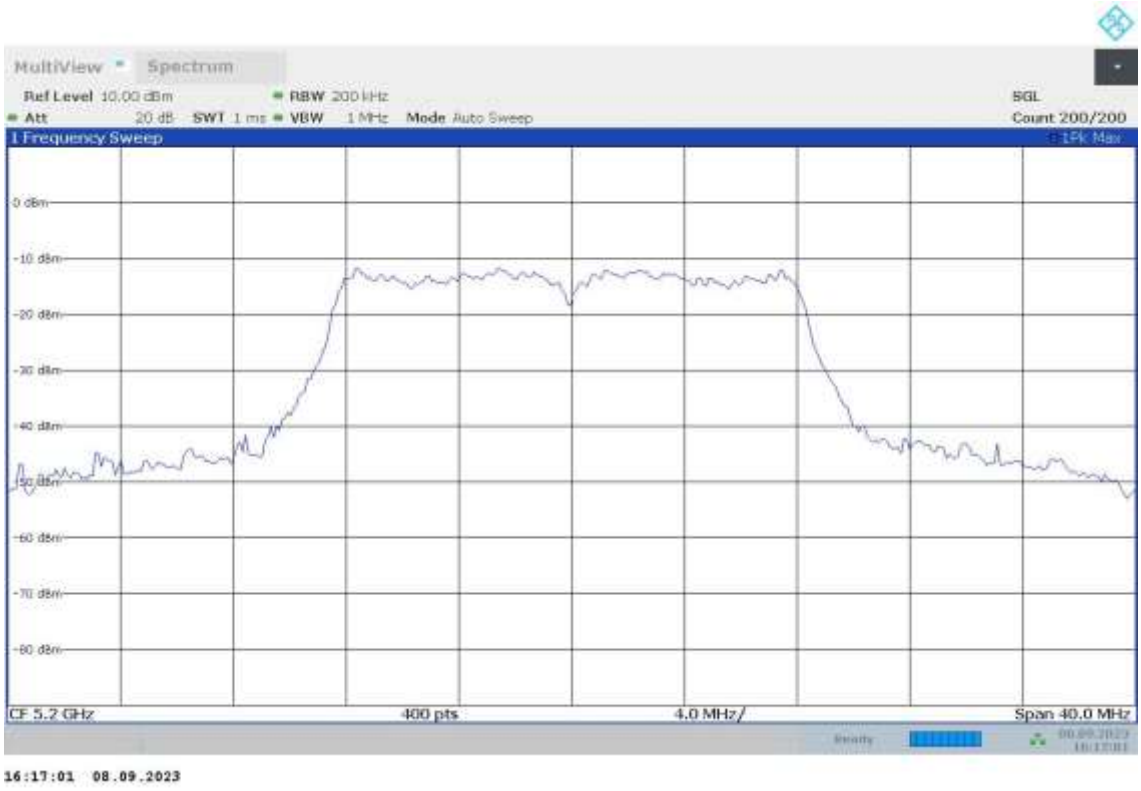
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5200.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



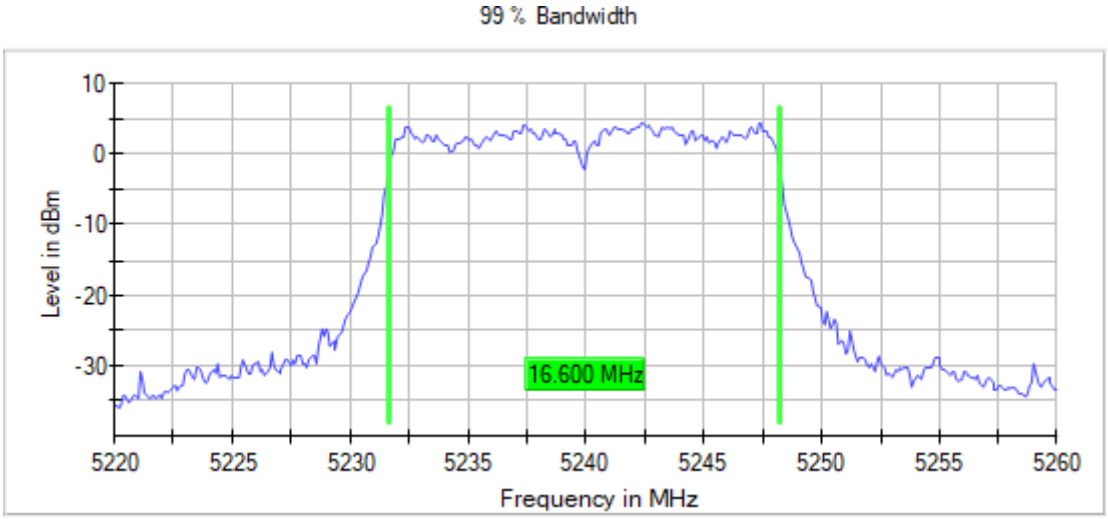


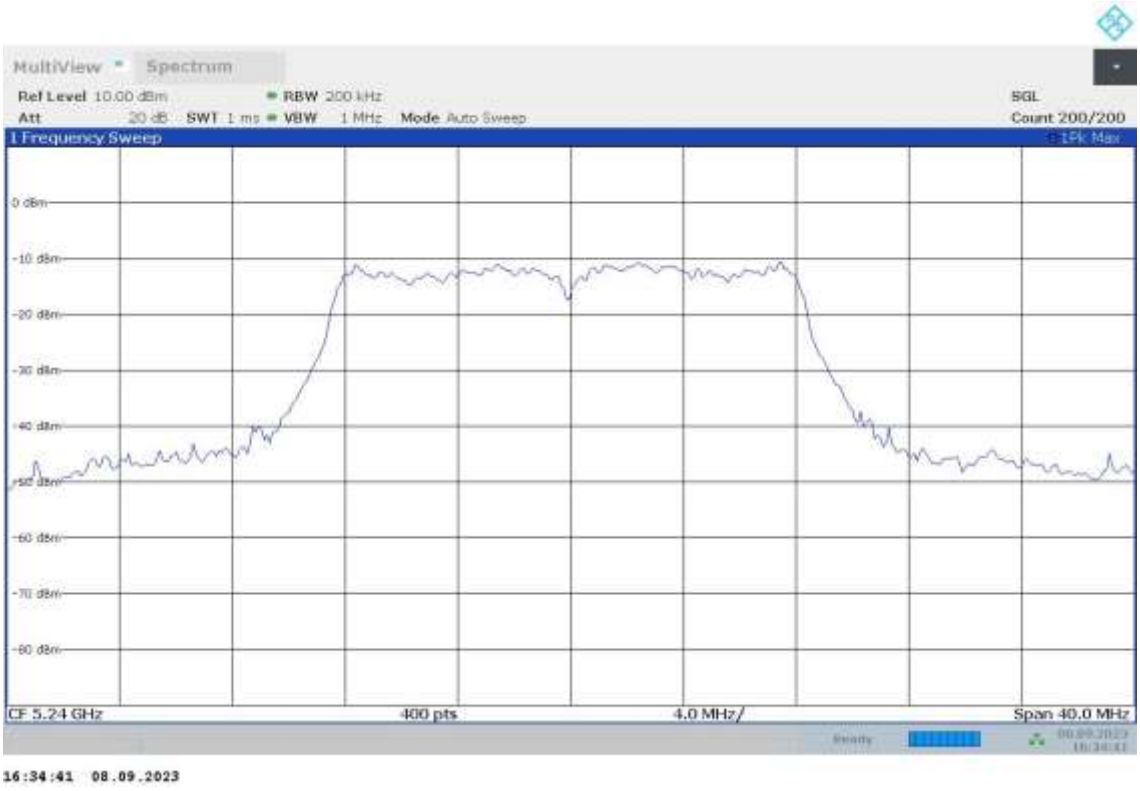
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



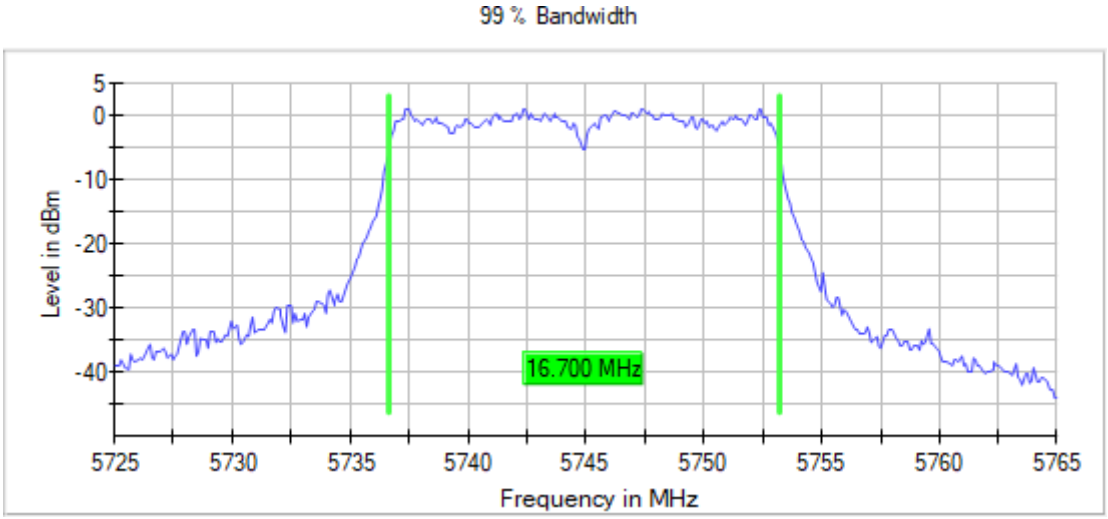


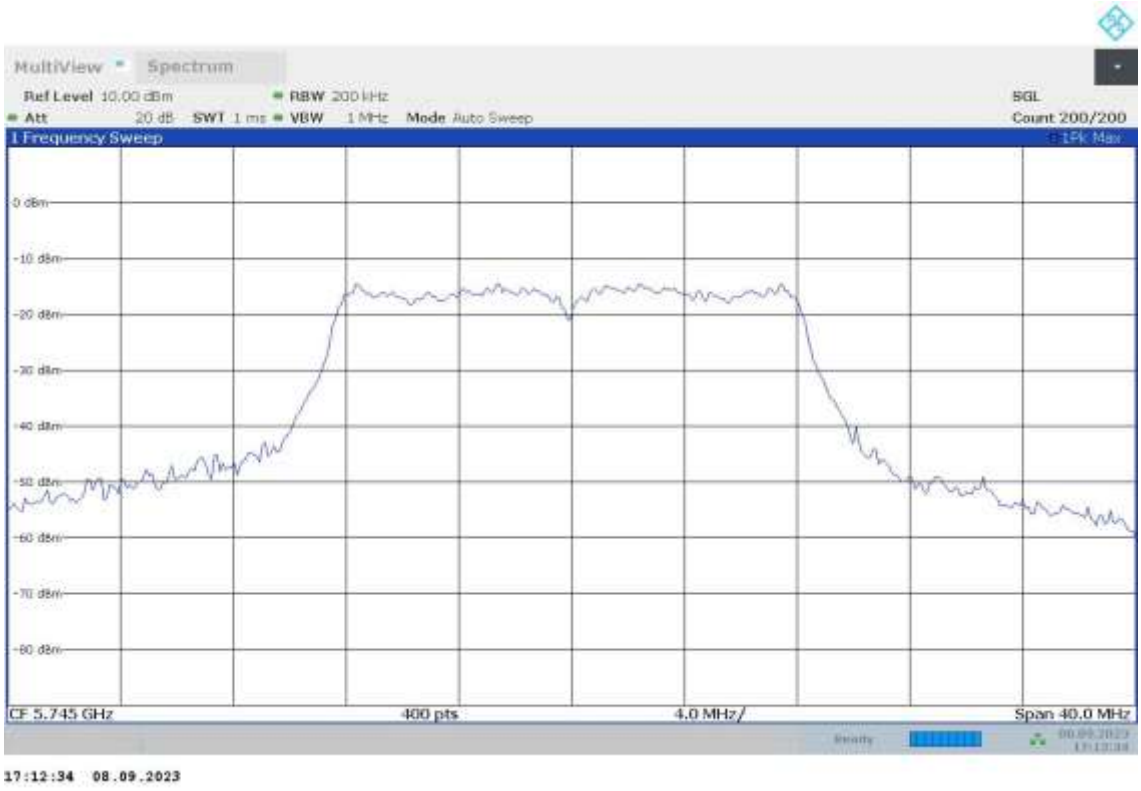
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



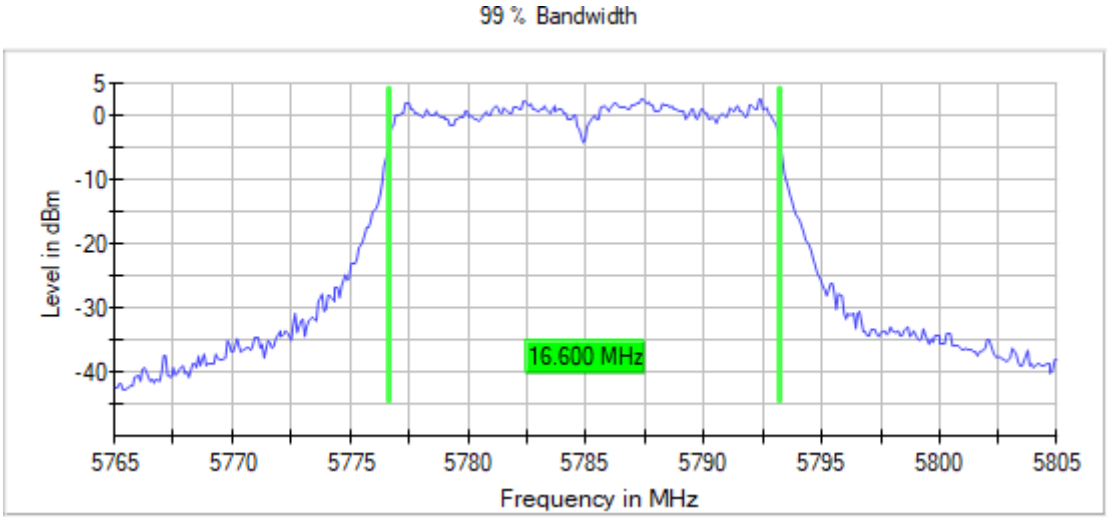


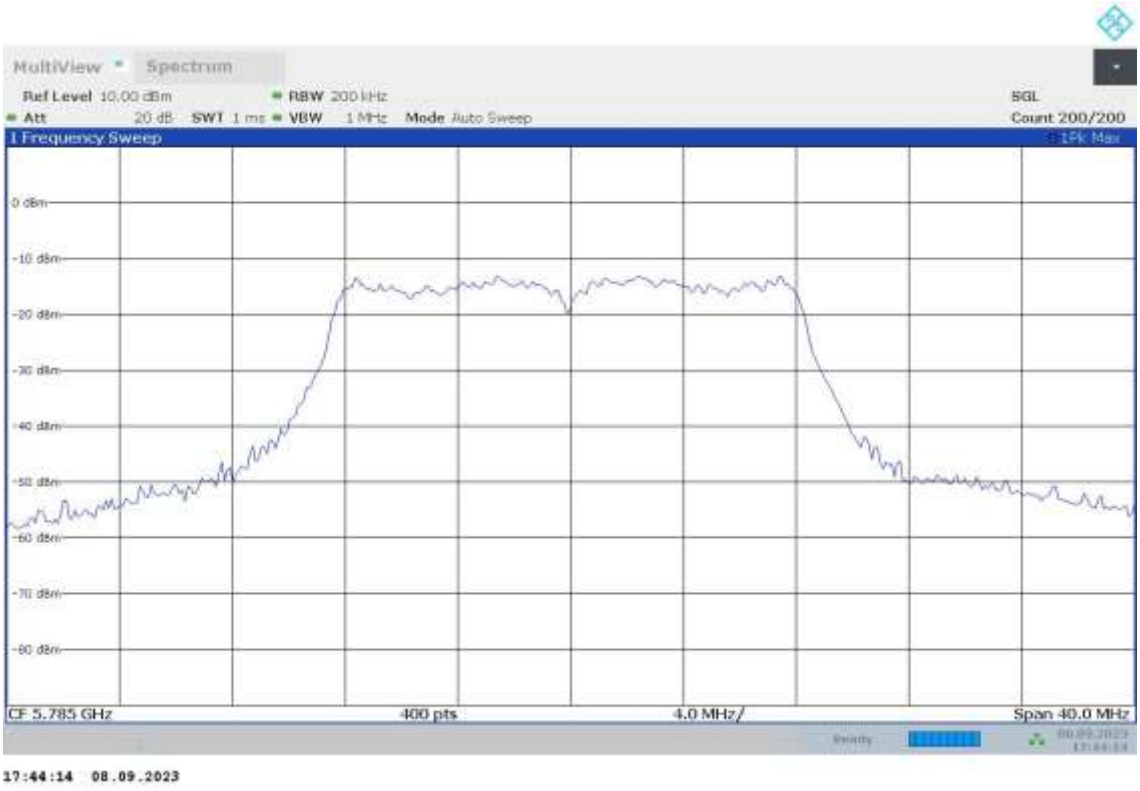
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



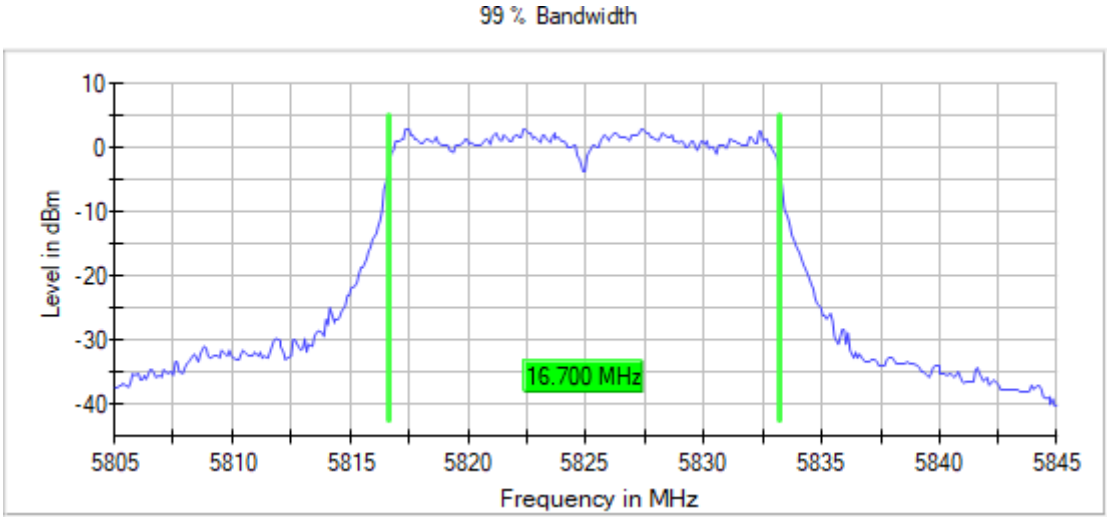


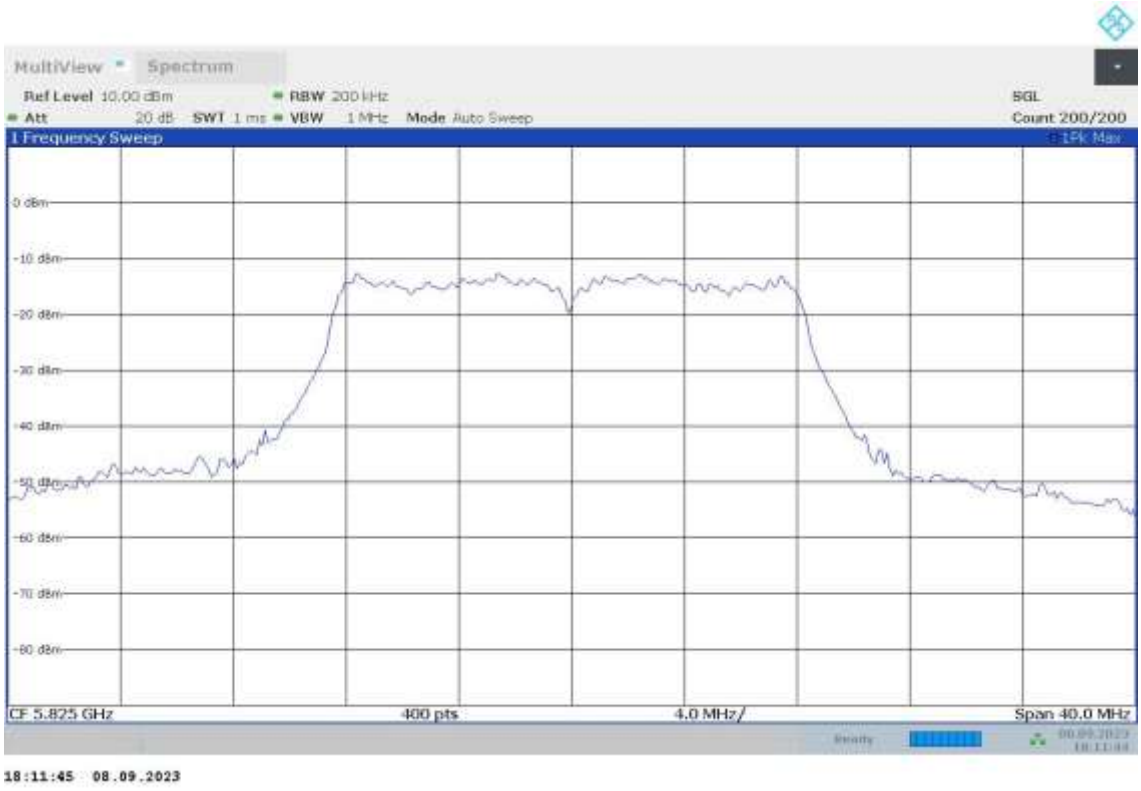
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:





Modulation: 802.11n HT20 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Occ Ch BW (MHz)
[5150, 5850]	1	5180.00000	17.700
		5200.00000	17.700
		5240.00000	17.600
		5745.00000	17.700
		5785.00000	17.600
		5825.00000	17.700

Verdict

Pass

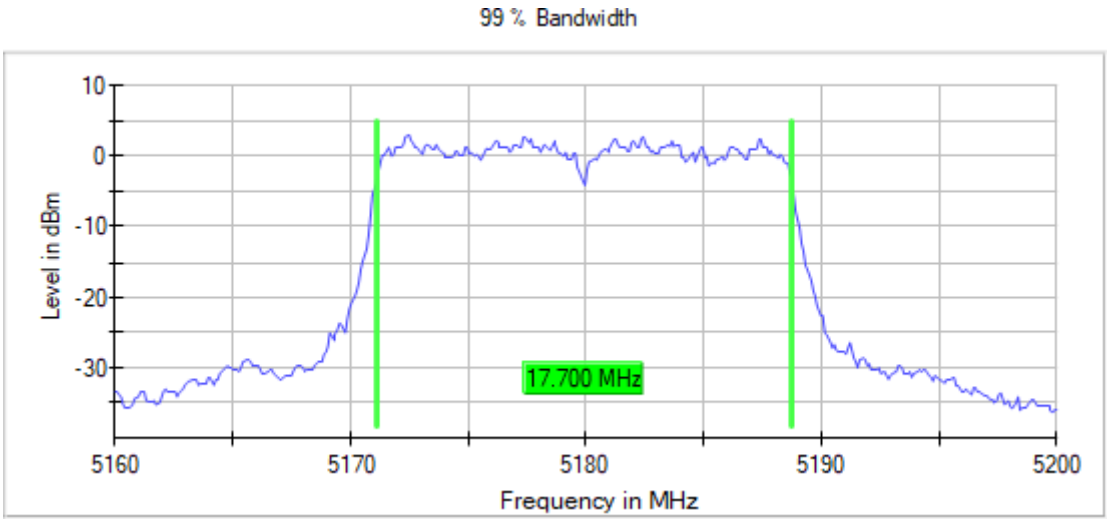
Attachments

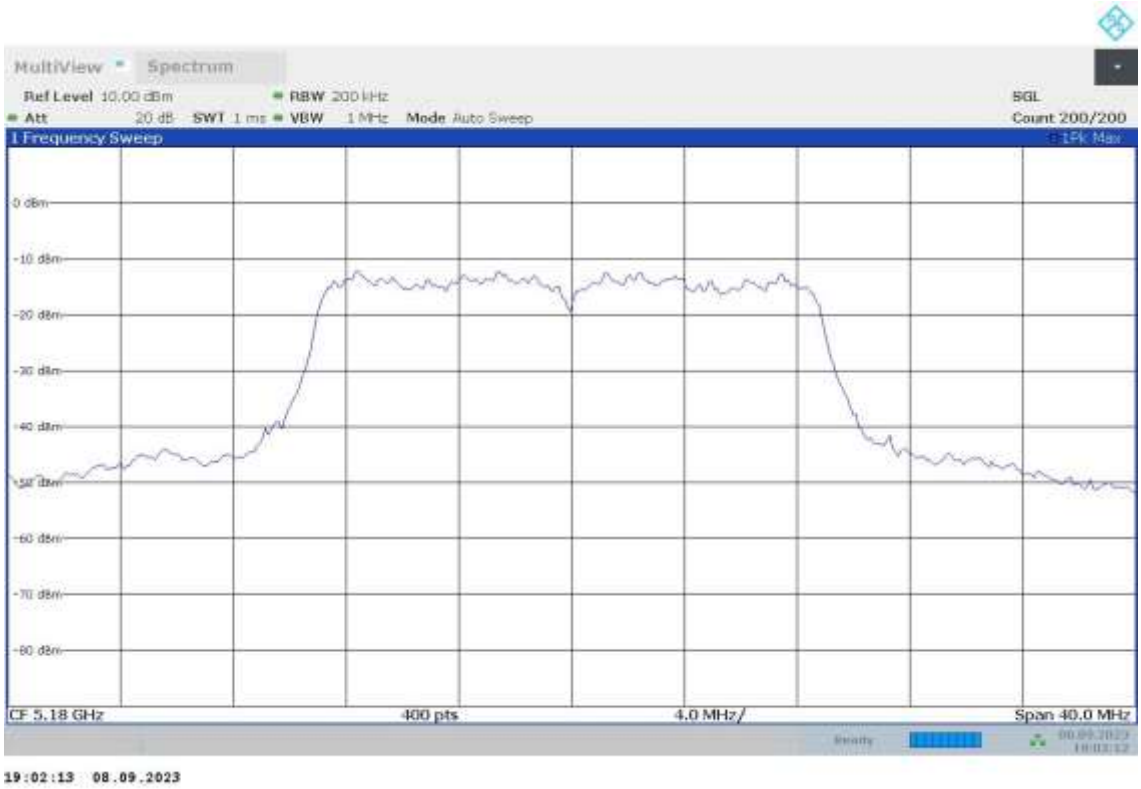
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



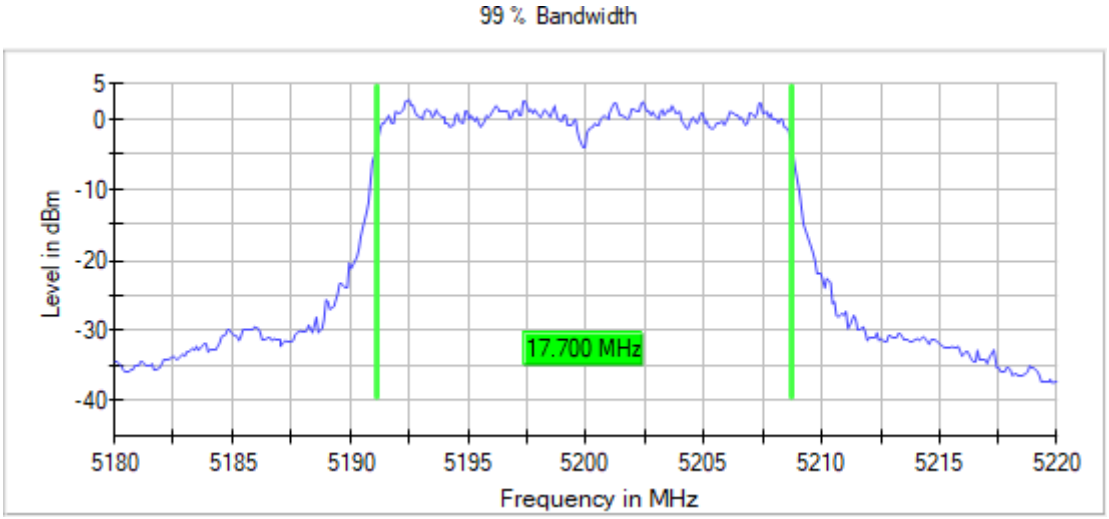


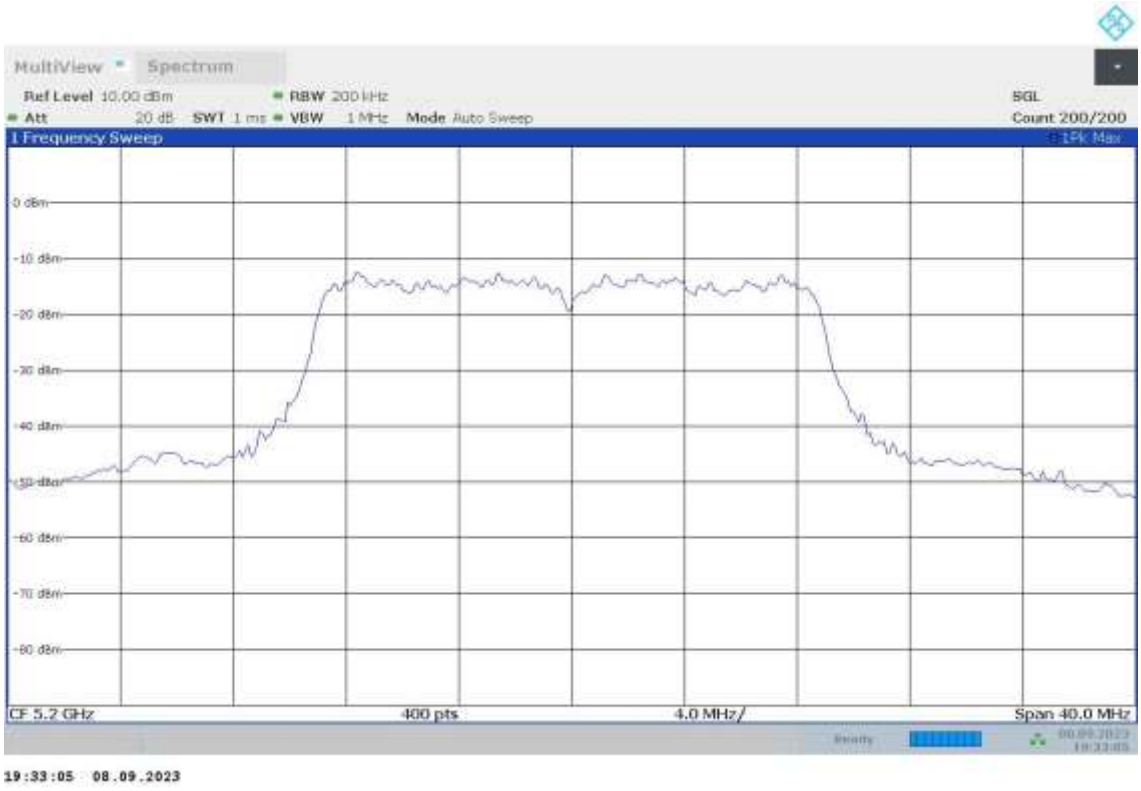
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5200.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



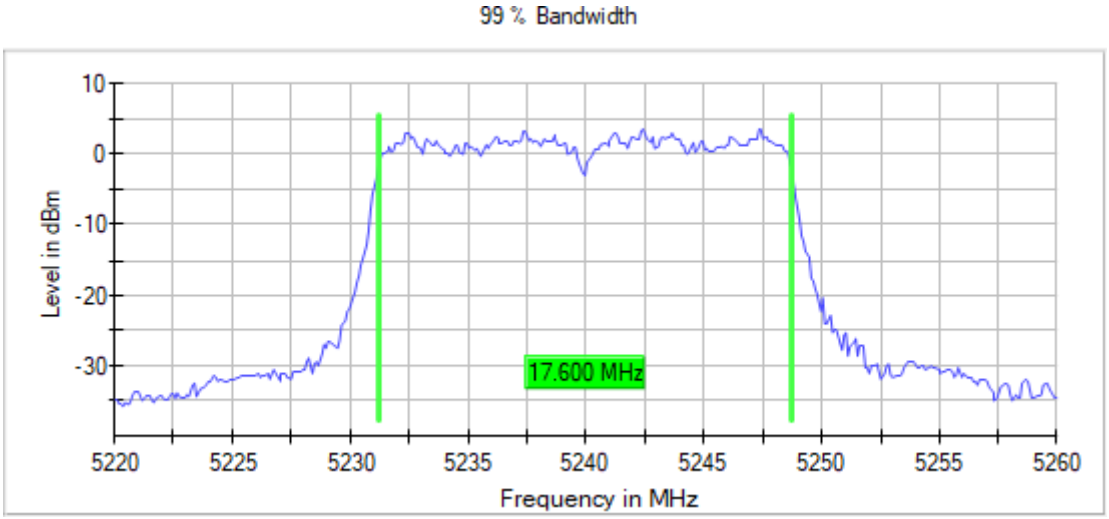


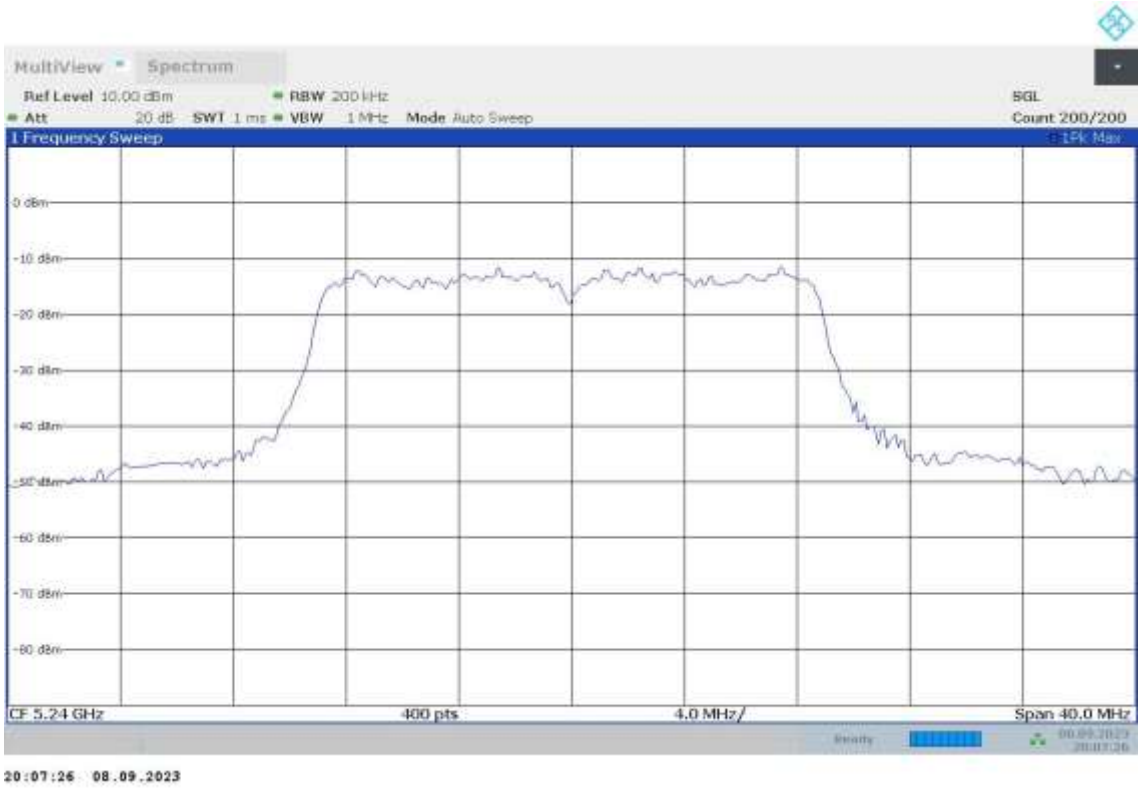
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



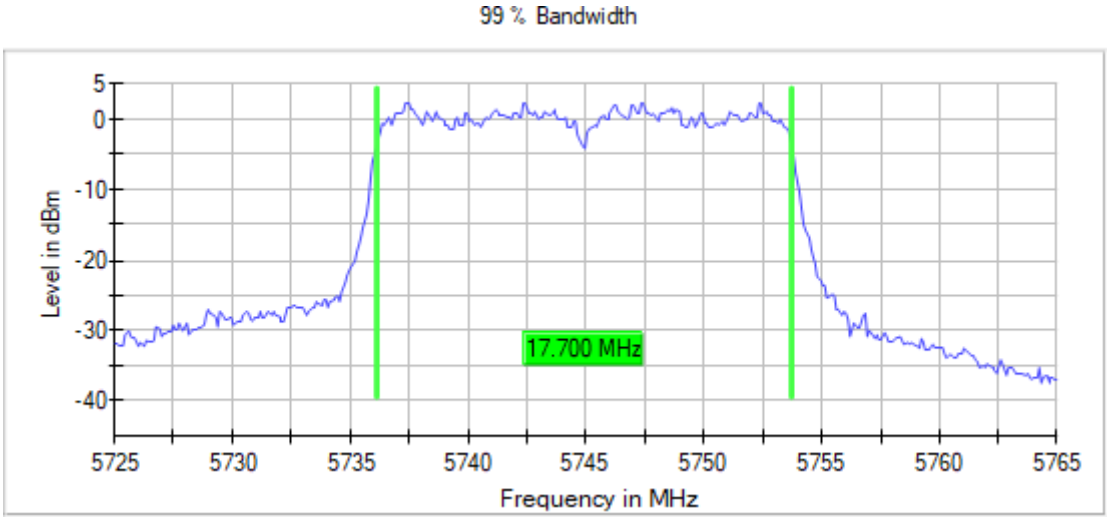


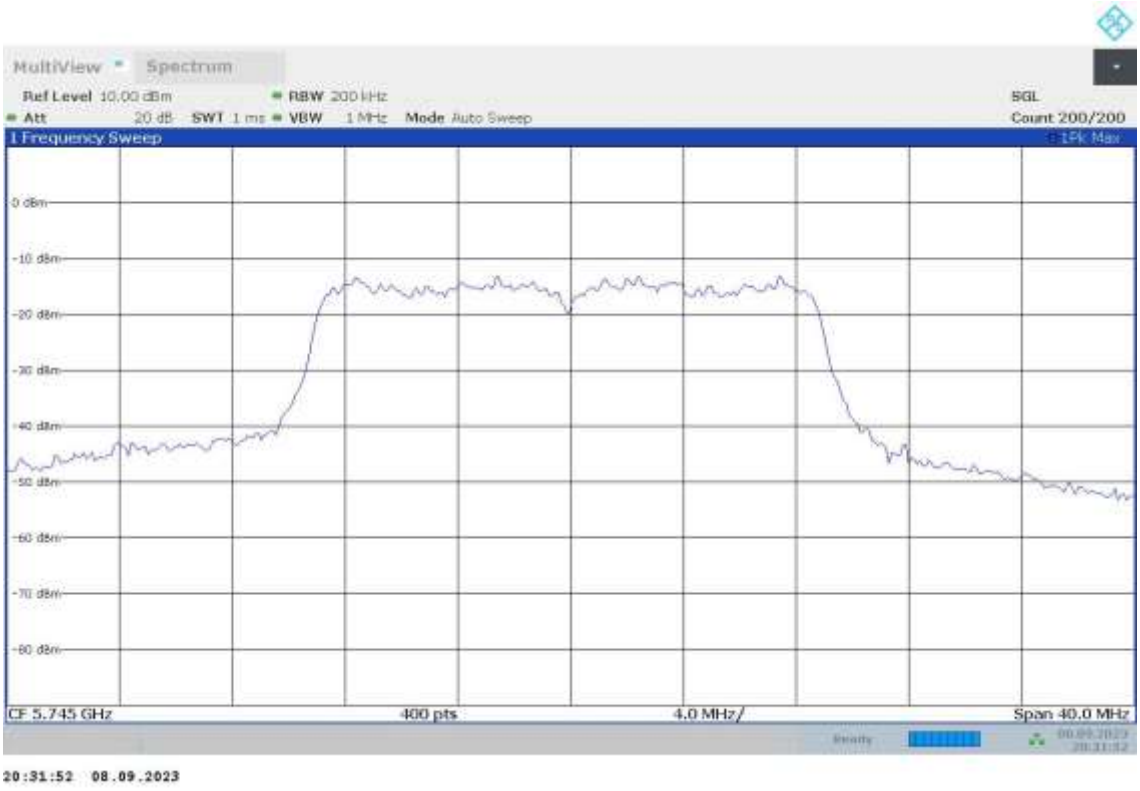
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



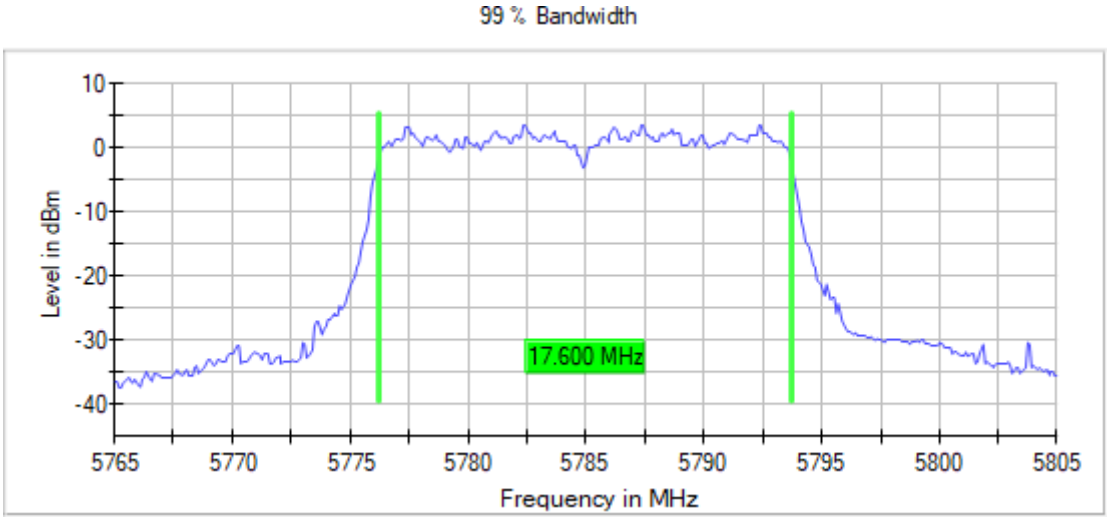


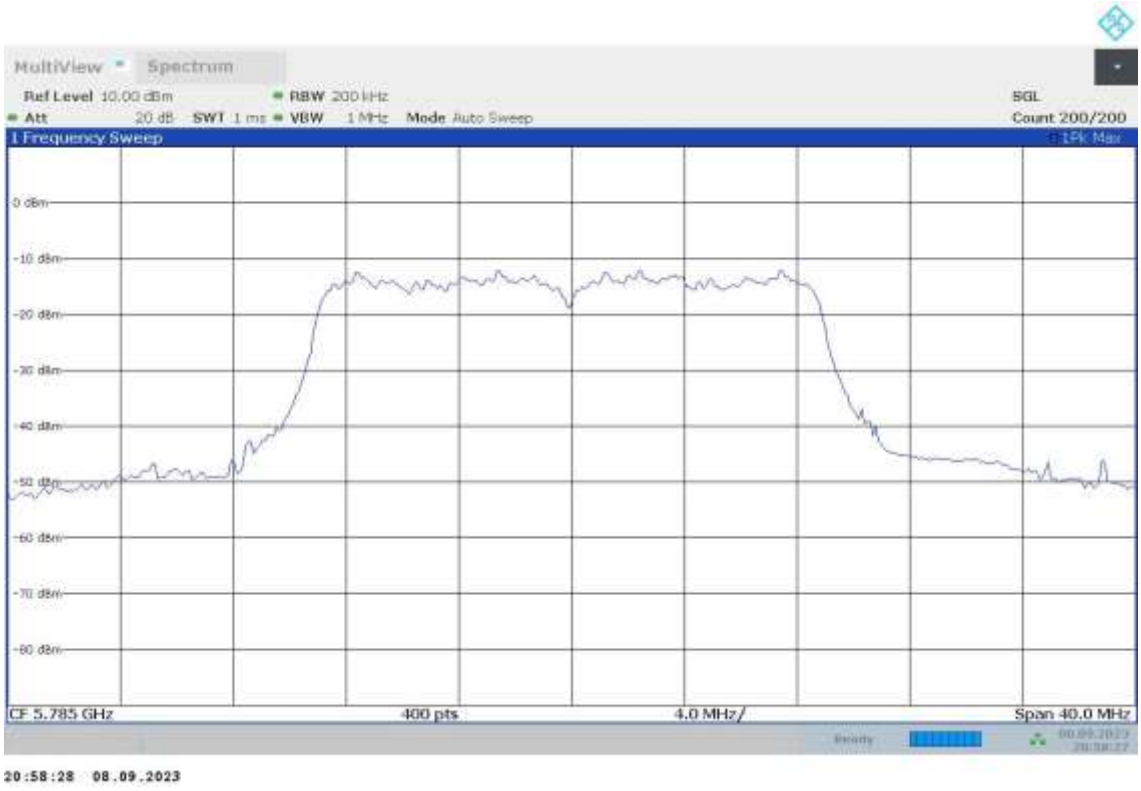
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



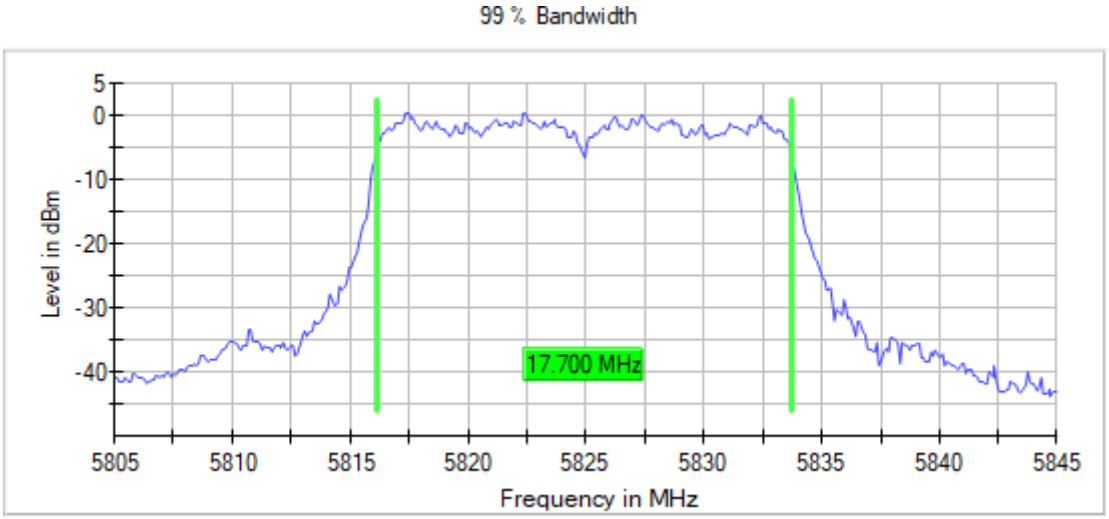


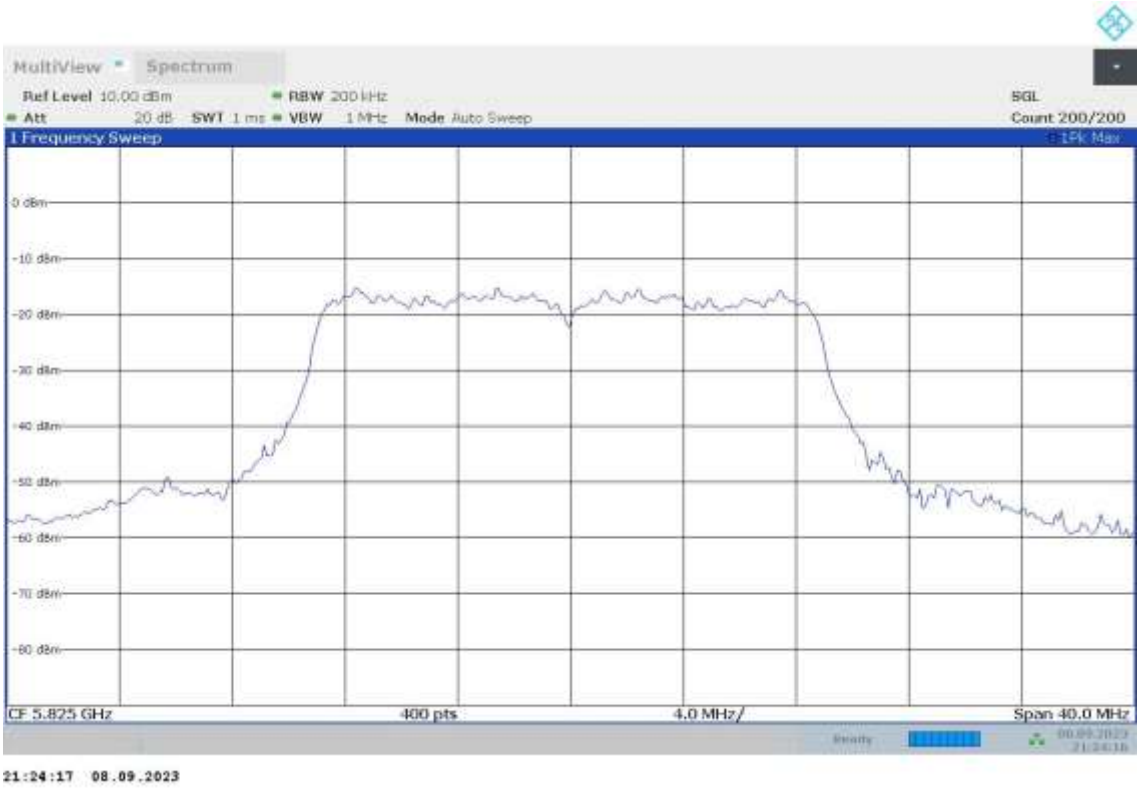
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:





Modulation: 802.11n HT40 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Occ Ch BW (MHz)
[5150, 5850]	1	5190.00000	36.500
		5230.00000	36.500
		5755.00000	36.750
		5795.00000	36.500

Verdict

Pass

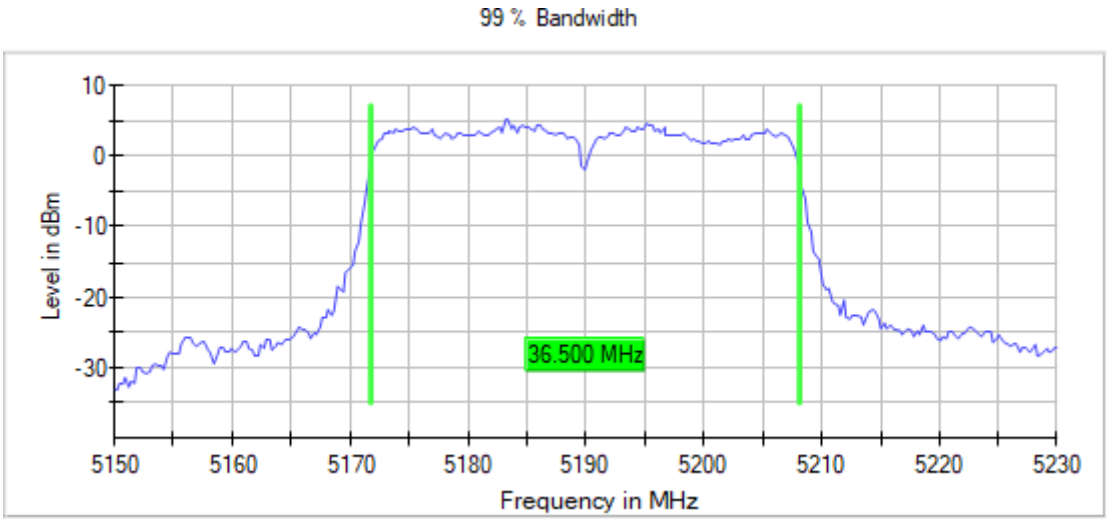
Attachments

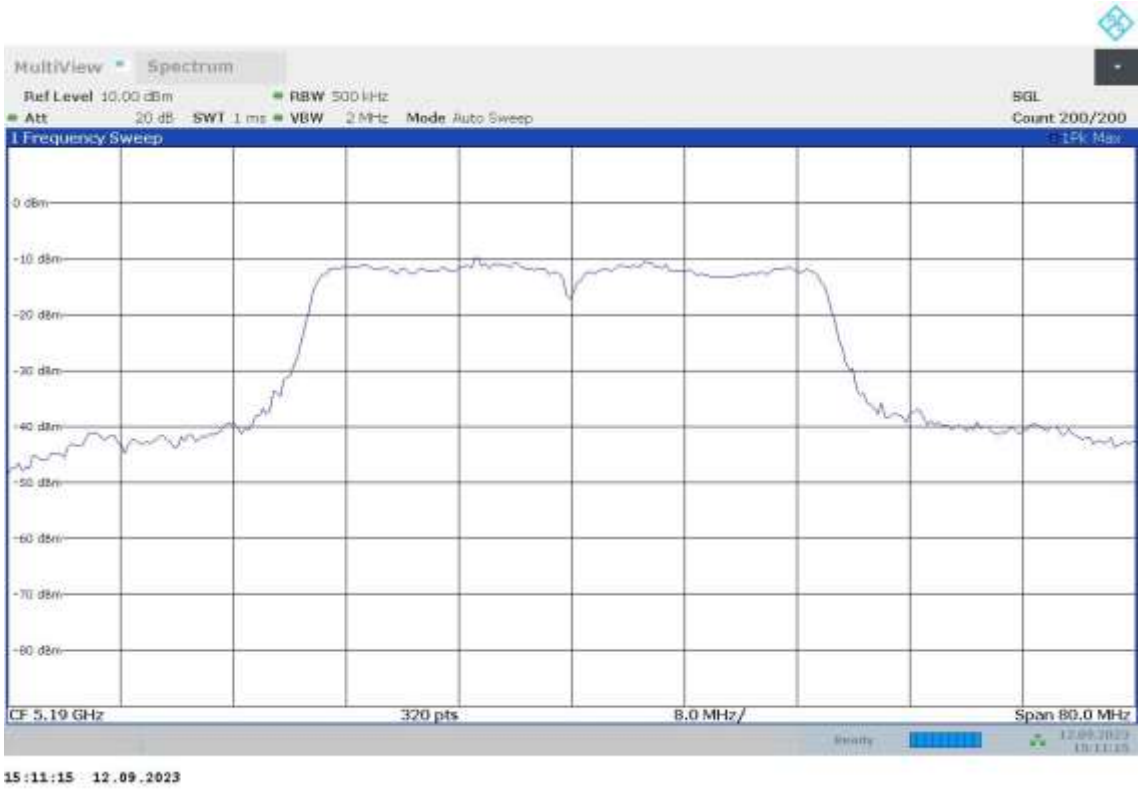
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5190.00000 Modulation = 802.11n HT40 (OFDM MCS0)

MIMO Mode = SISO

Images:



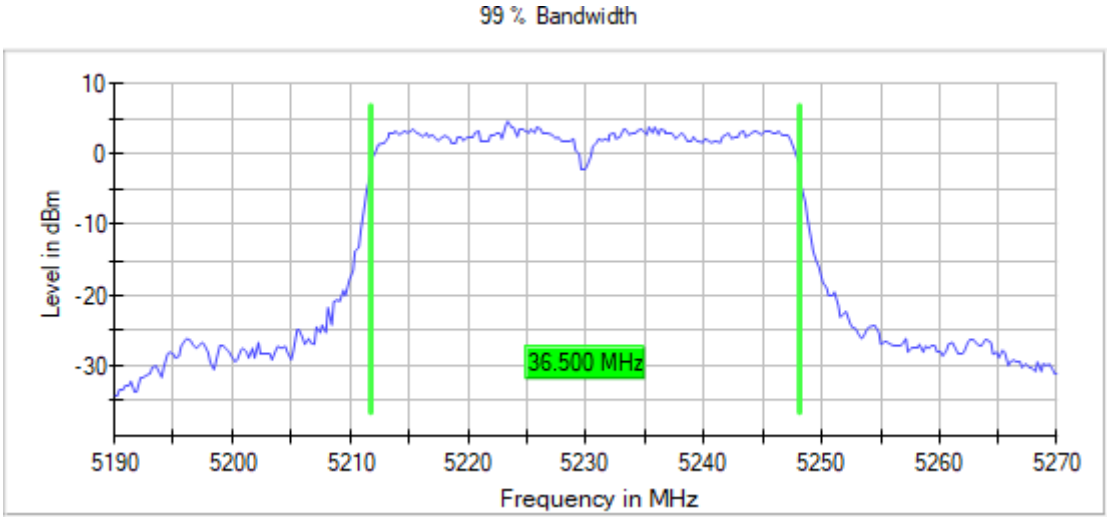


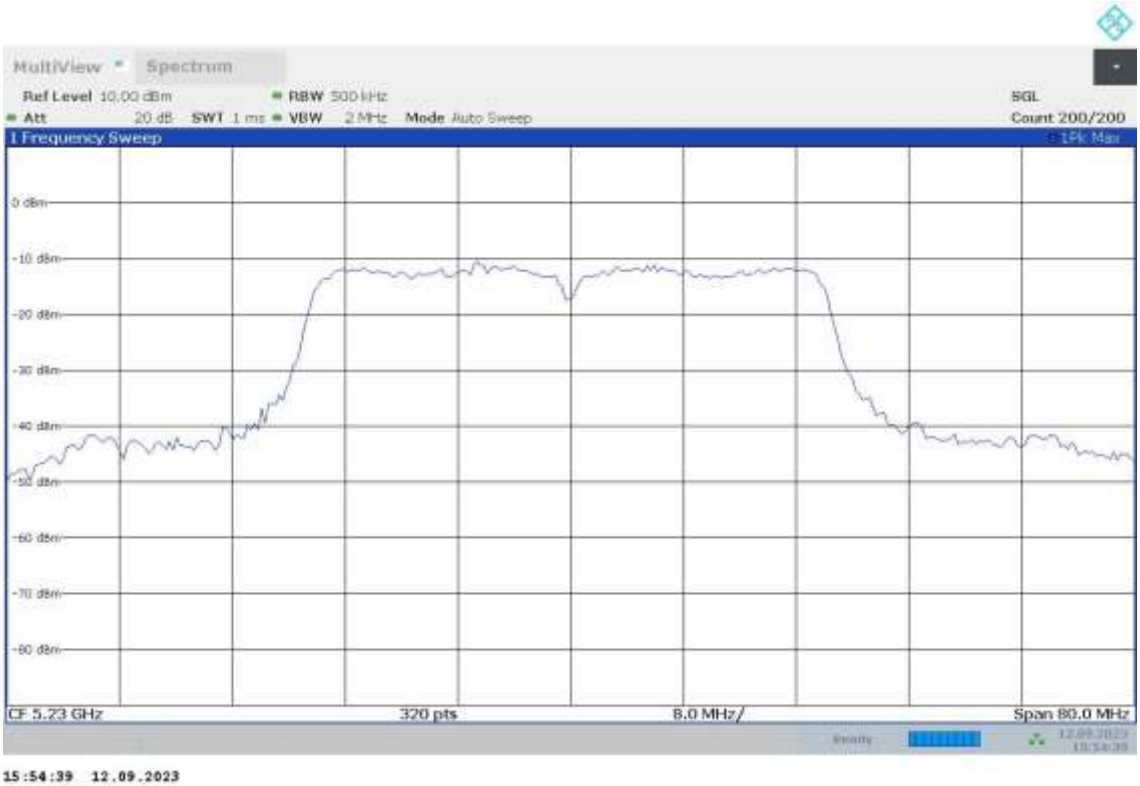
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5230.00000 Modulation = 802.11n HT40 (OFDM MCS0)

MIMO Mode = SISO

Images:



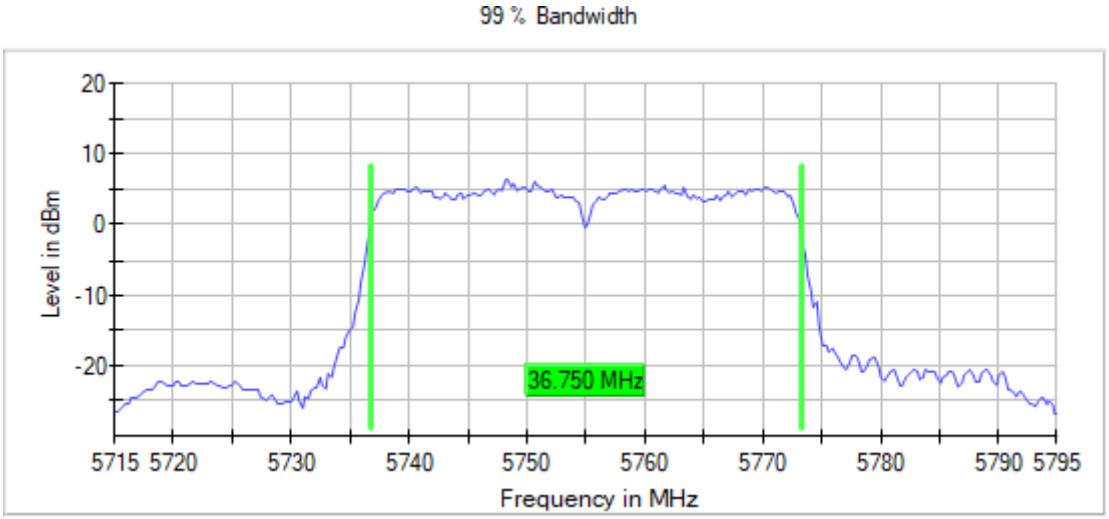


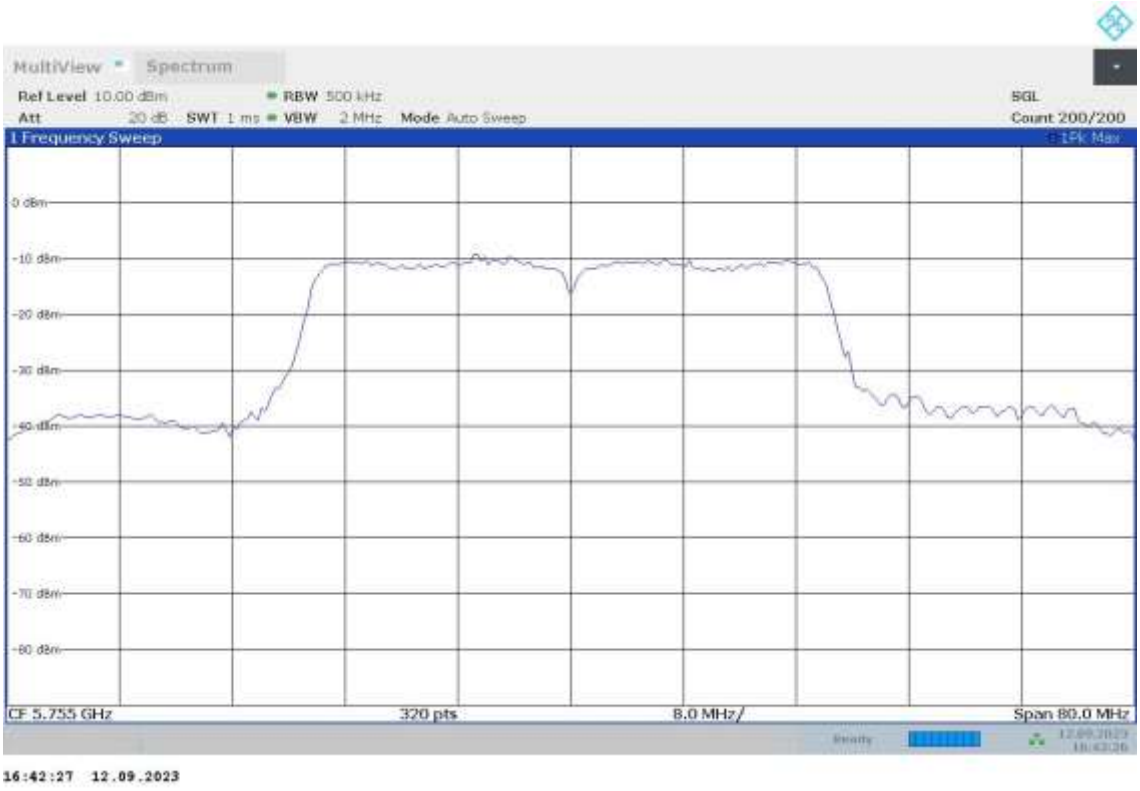
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000 Modulation = 802.11n HT40 (OFDM MCS0)

MIMO Mode = SISO

Images:



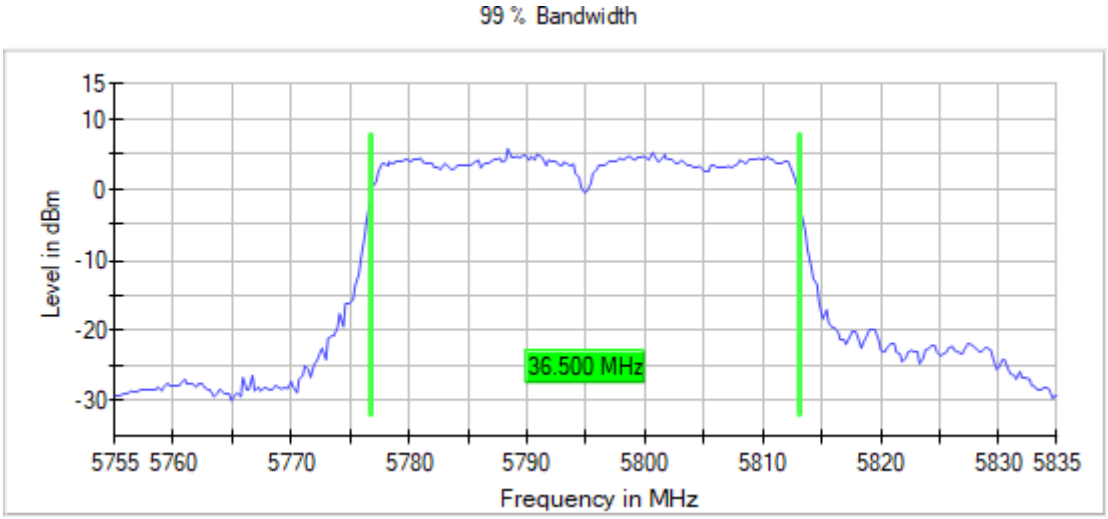


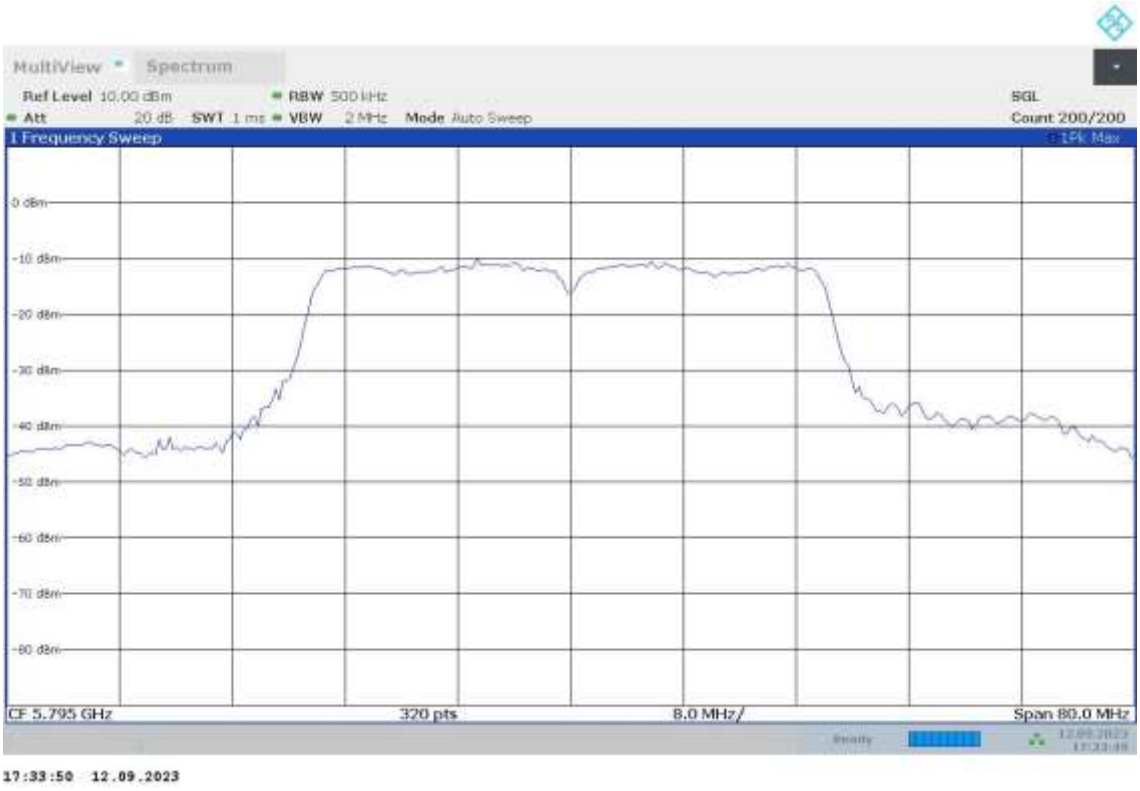
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000 Modulation = 802.11n HT40 (OFDM MCS0)

MIMO Mode = SISO

Images:





FCC 15.403 / RSS-Gen 6.7 26 dB Emission Bandwidth

Limits

No Limit has been set to this test case

Modulation: 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5180.00000	20.300
		5200.00000	20.200
		5240.00000	20.500
		5745.00000	20.400
		5785.00000	20.400
		5825.00000	20.200

Verdict

Pass

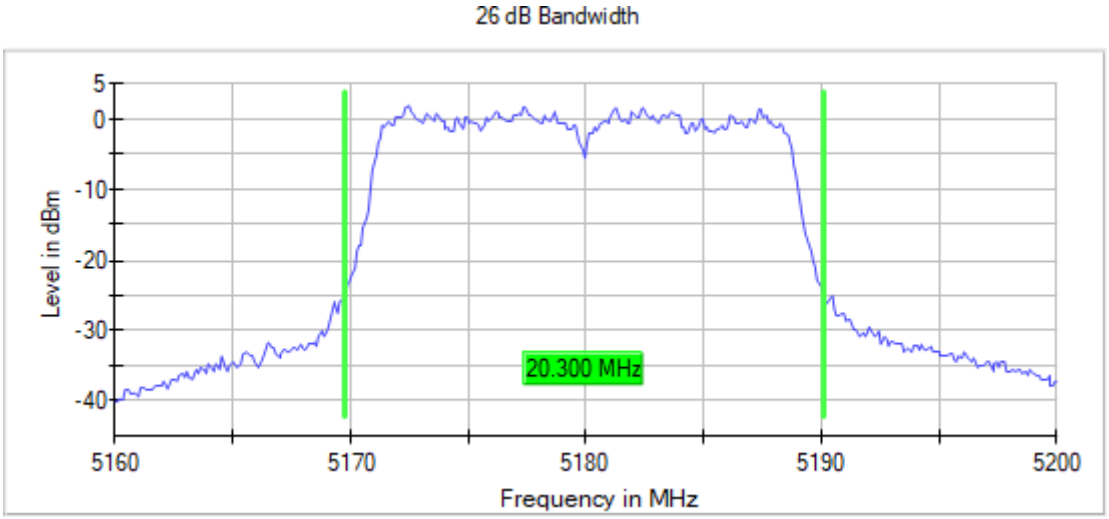
Attachments

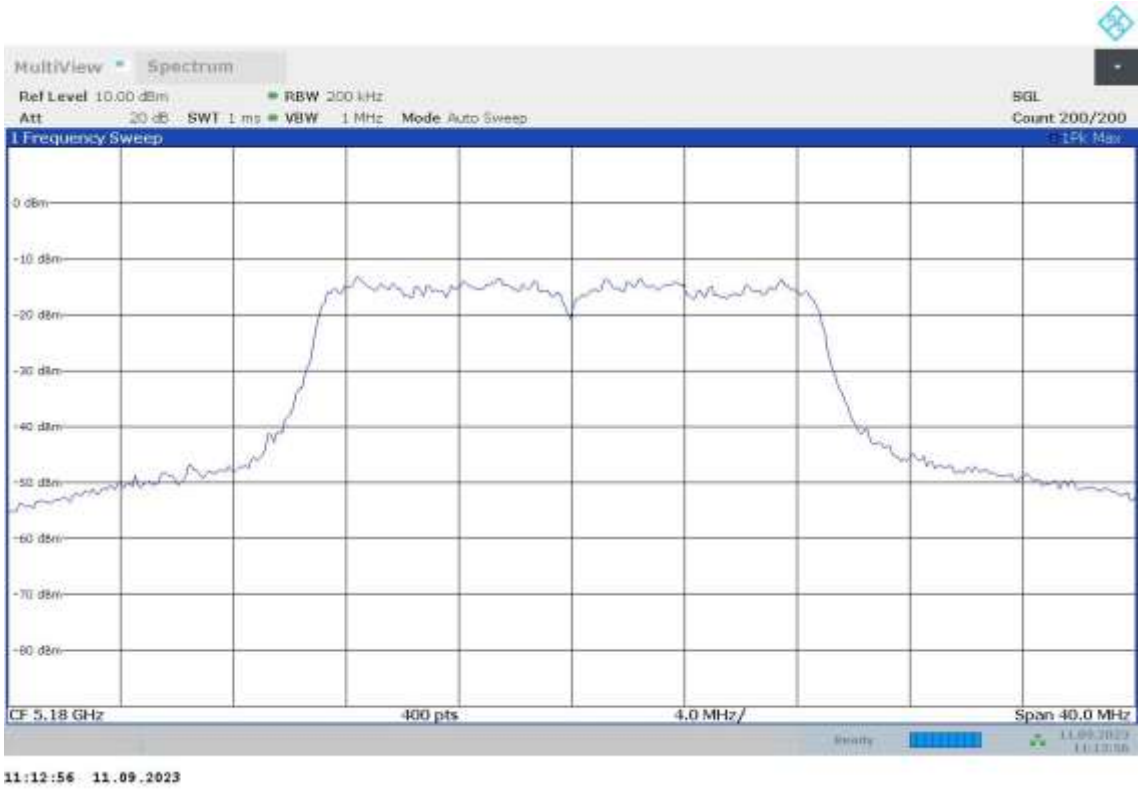
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



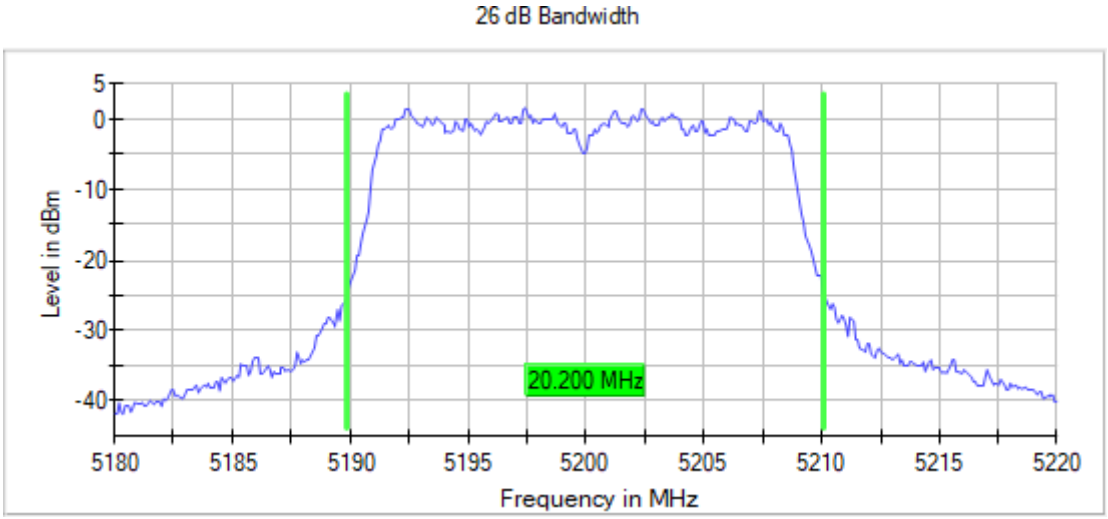


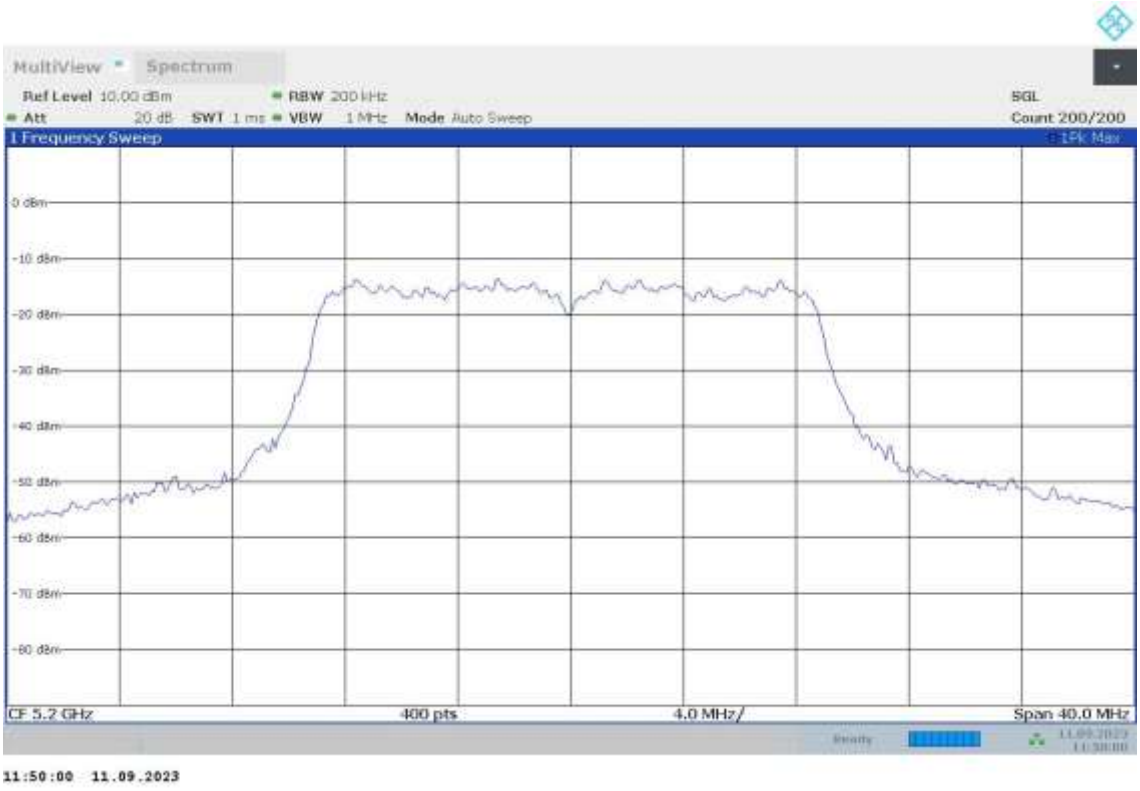
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5200.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



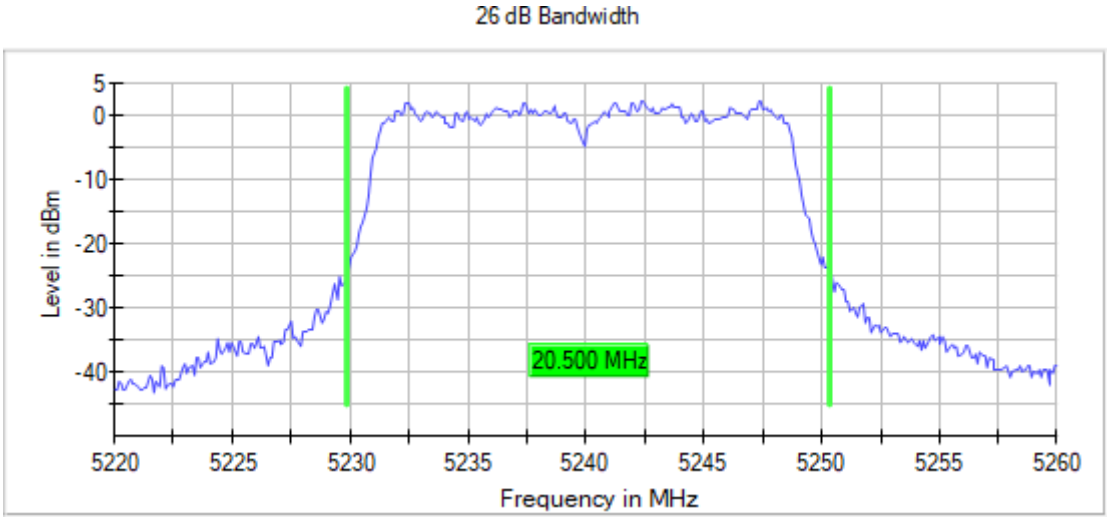


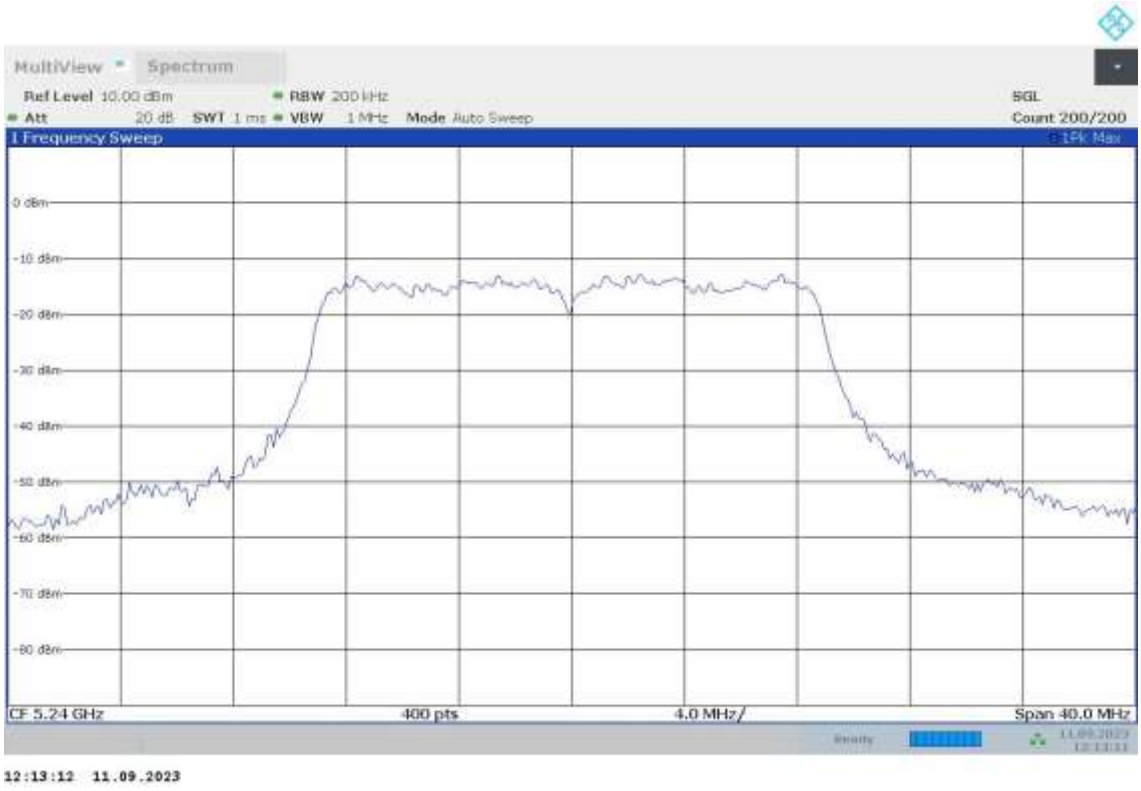
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



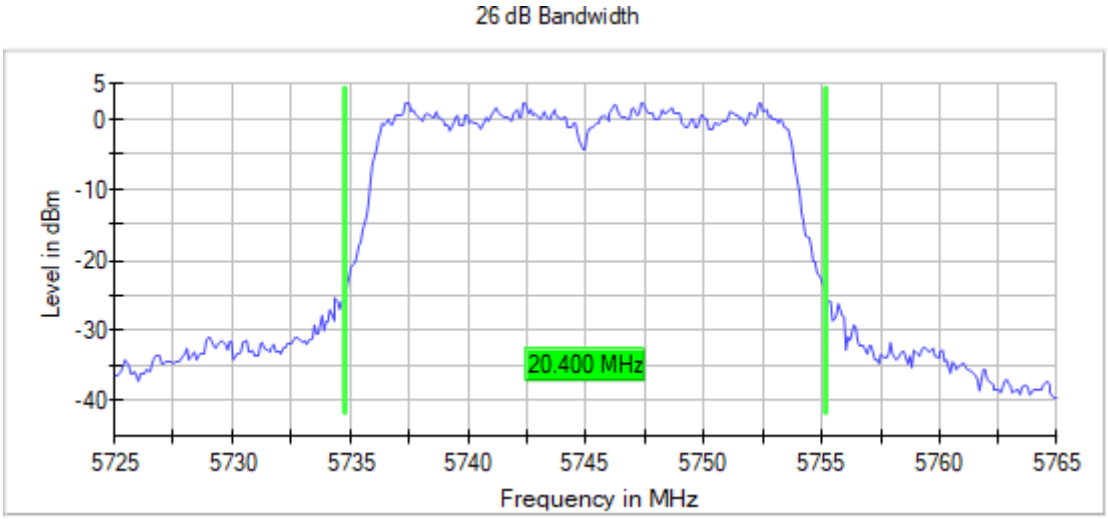


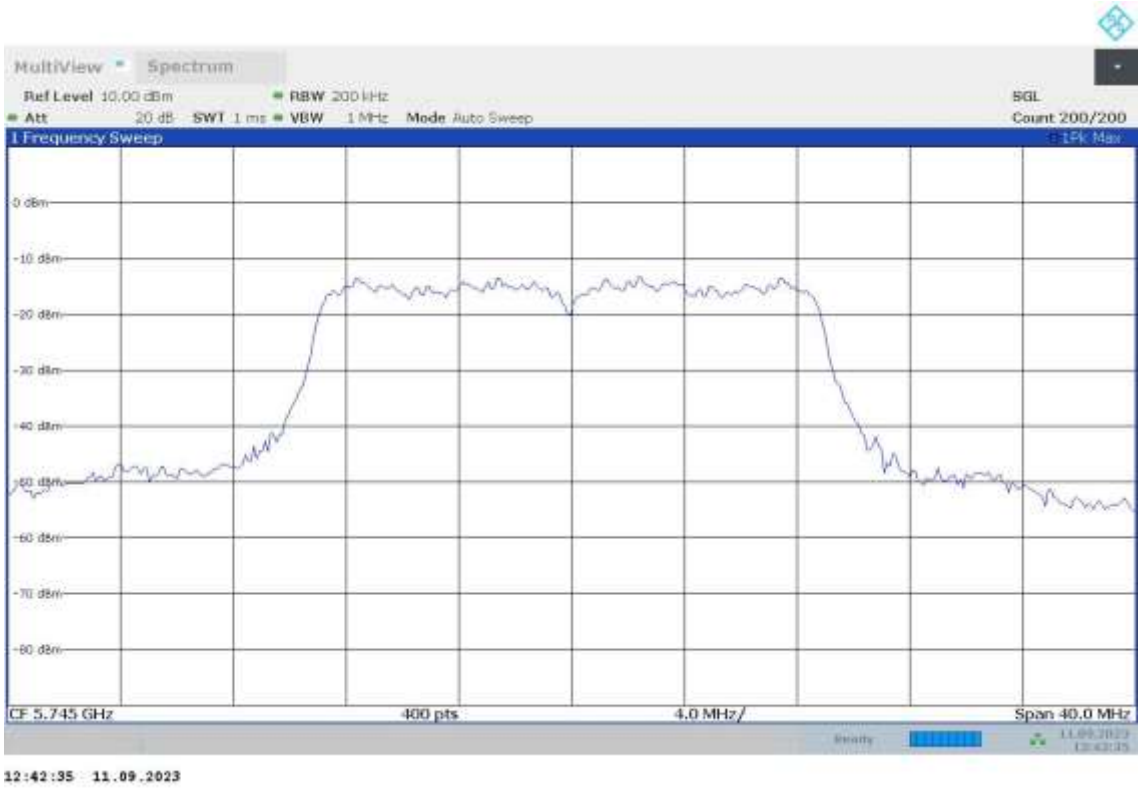
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



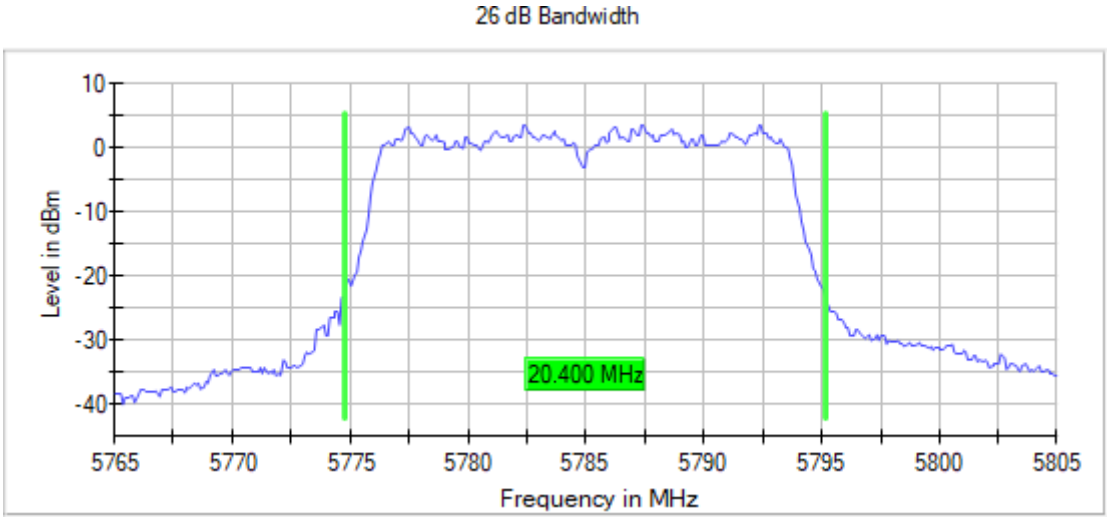


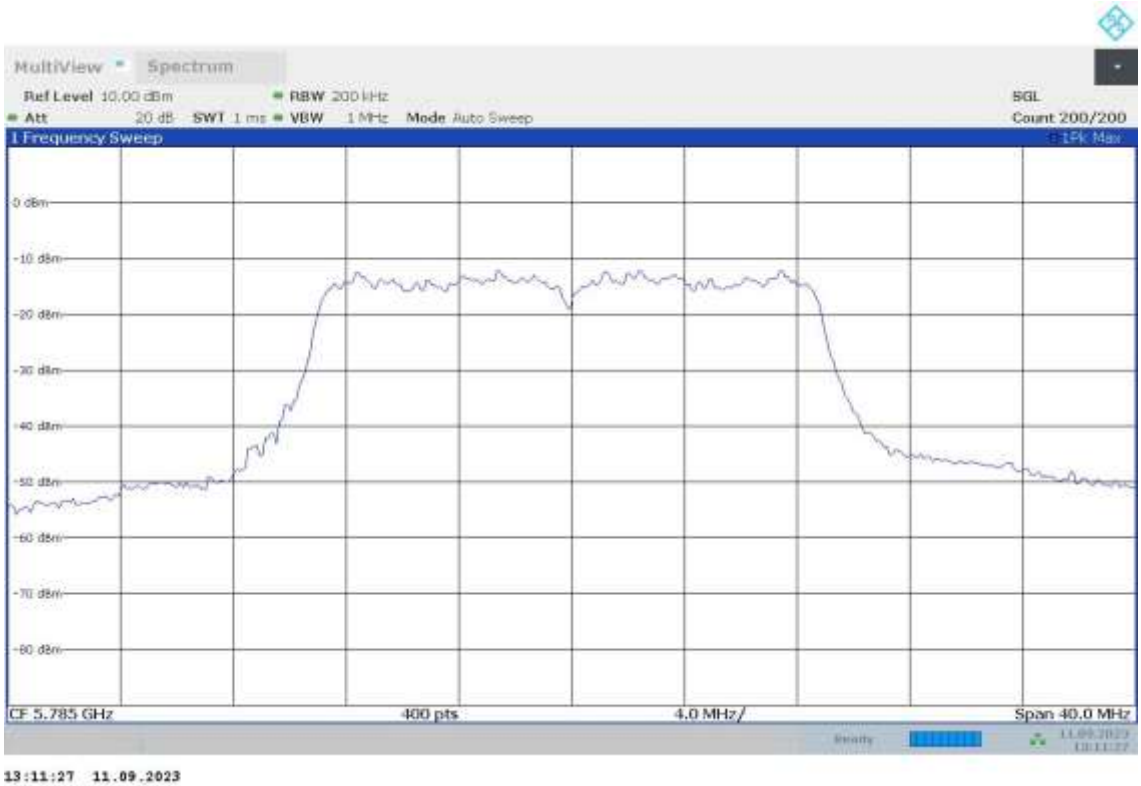
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



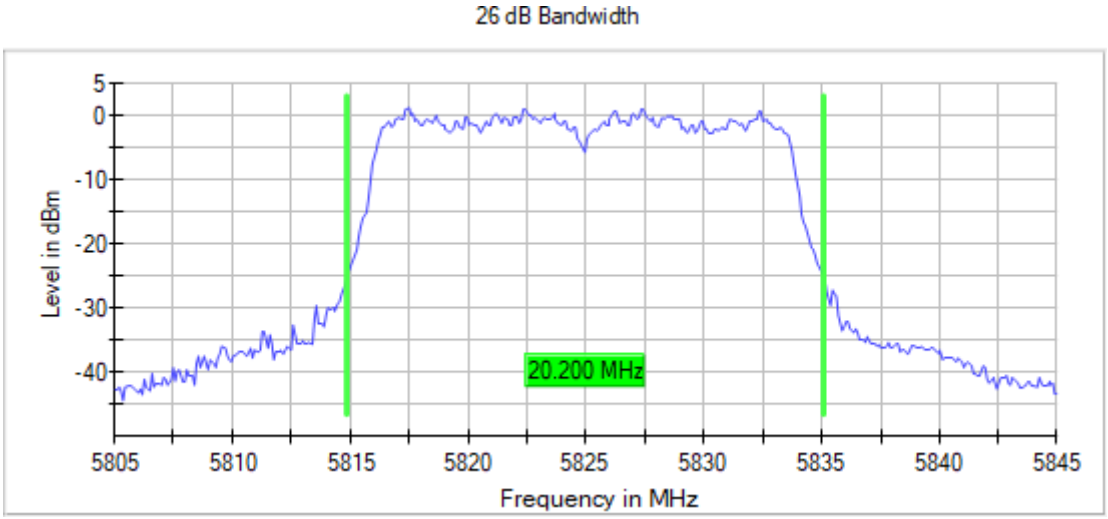


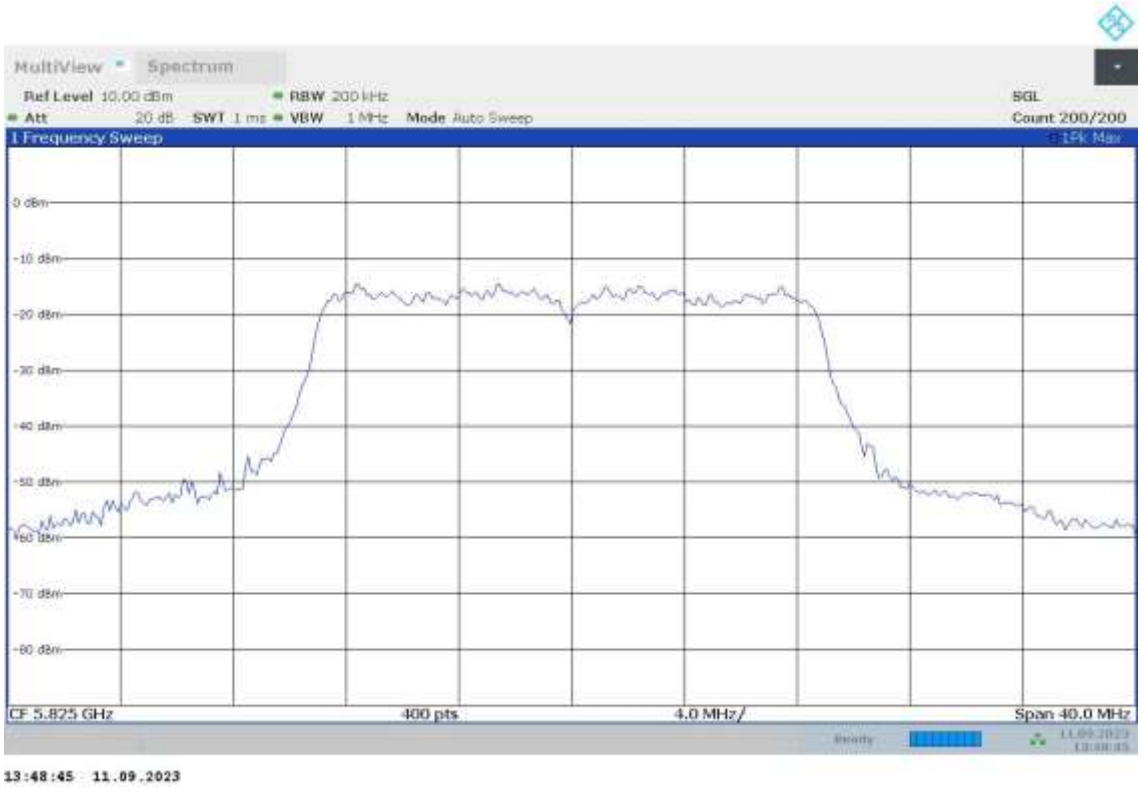
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:





Modulation: 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5180.00000	20.900
		5200.00000	20.800
		5240.00000	20.600
		5745.00000	20.800
		5785.00000	20.800
		5825.00000	20.700

Verdict

Pass

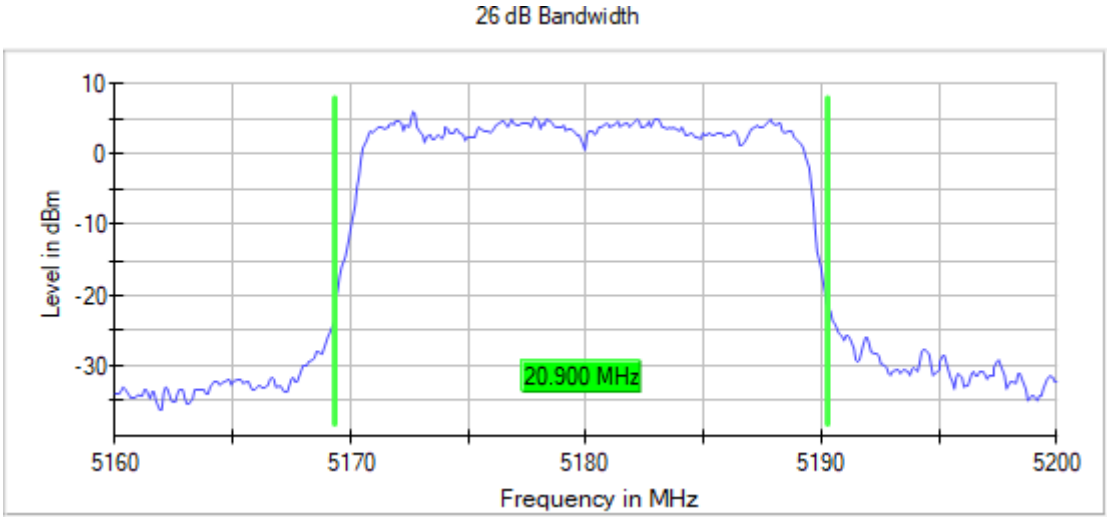
Attachments

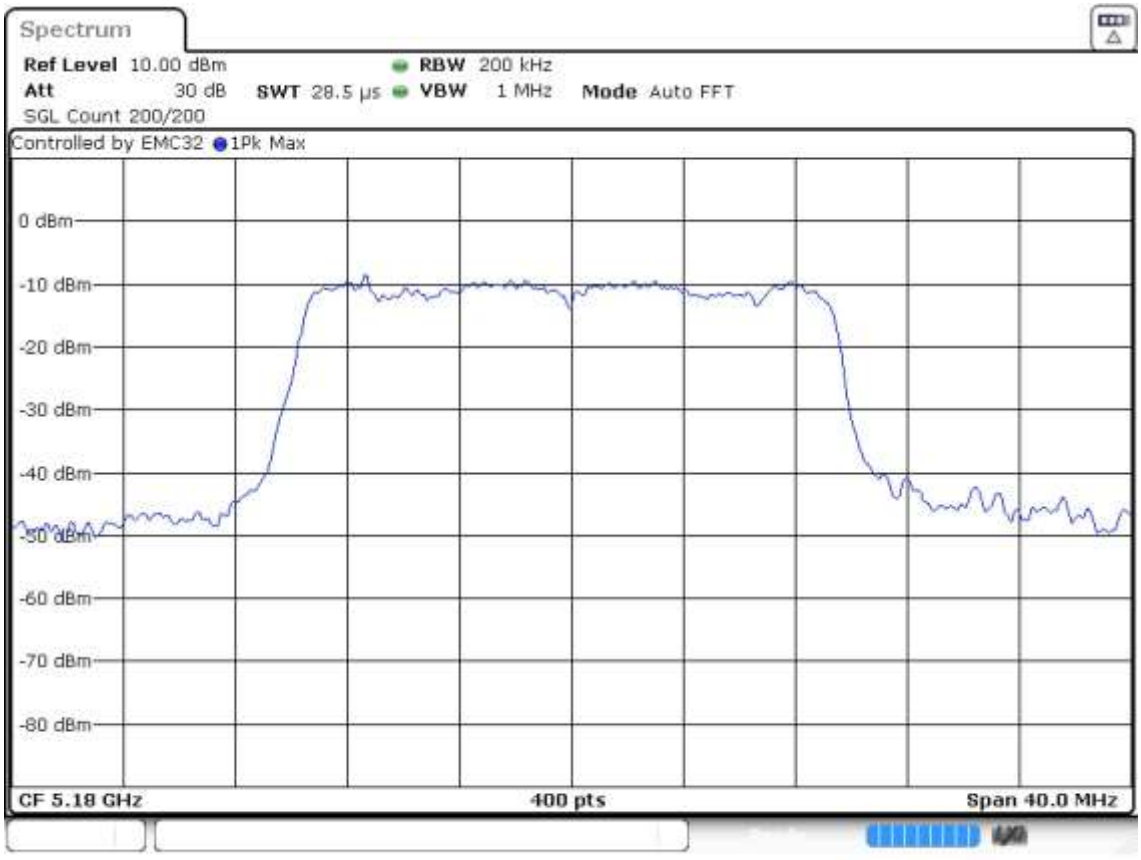
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





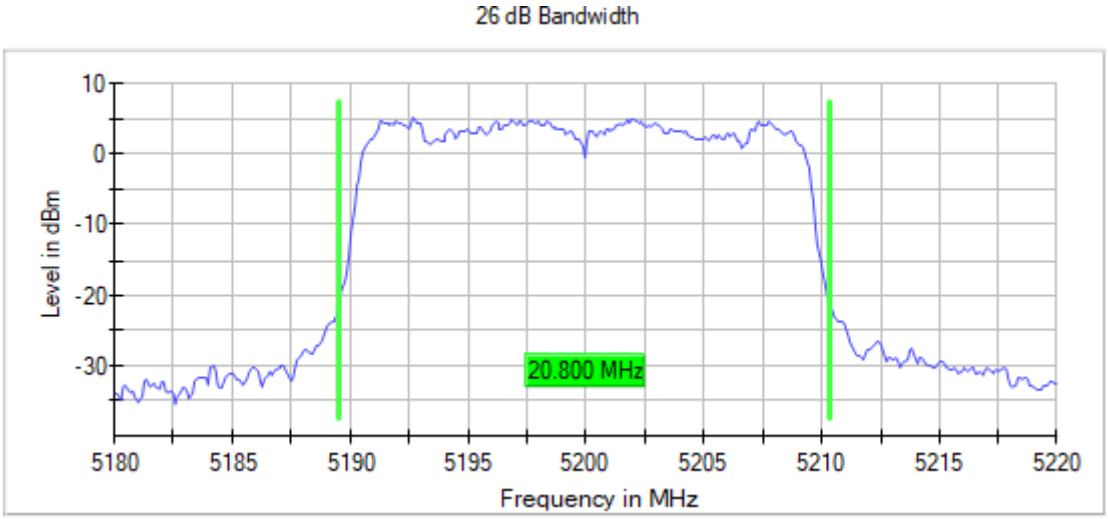
Date: 11.SEP.2023 14:49:25

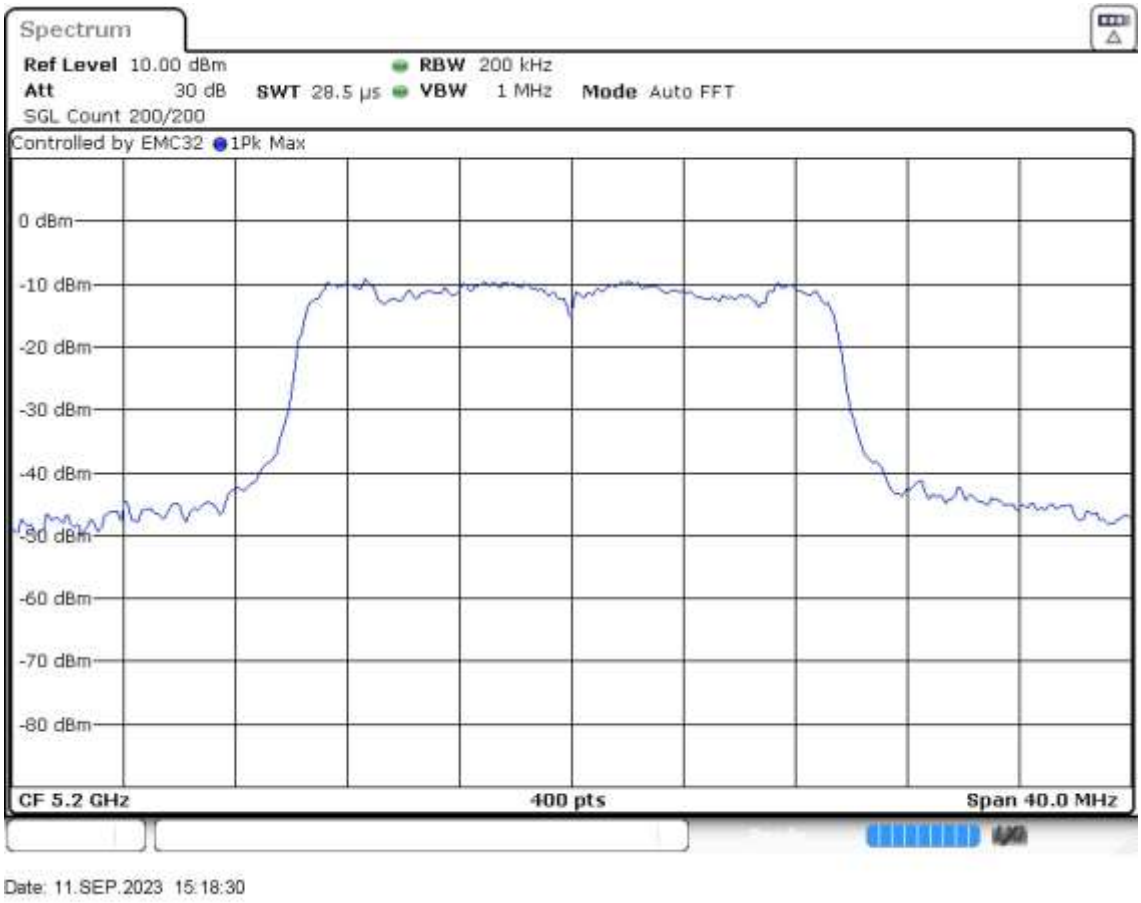
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5200.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





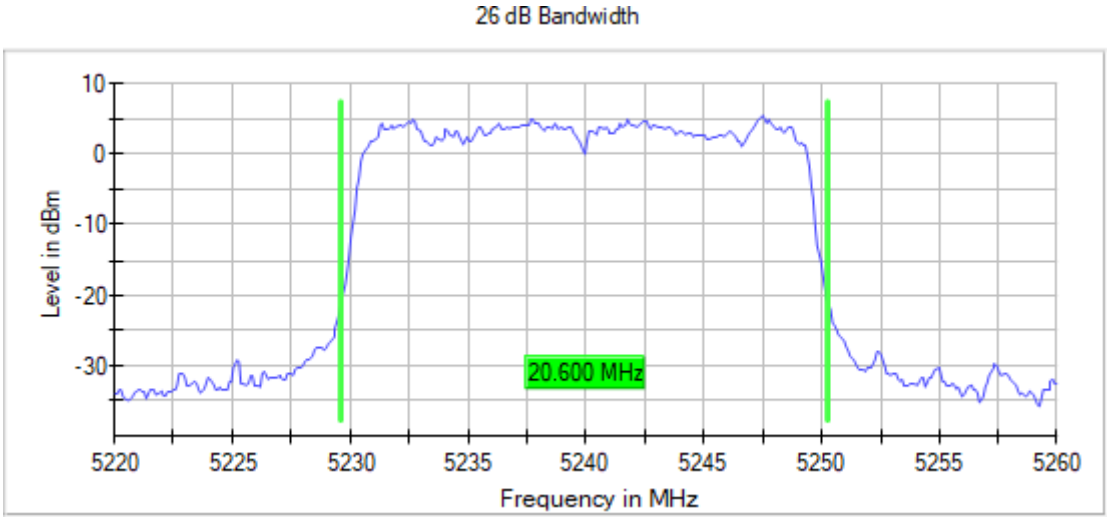
Date: 11.SEP.2023 15:18:30

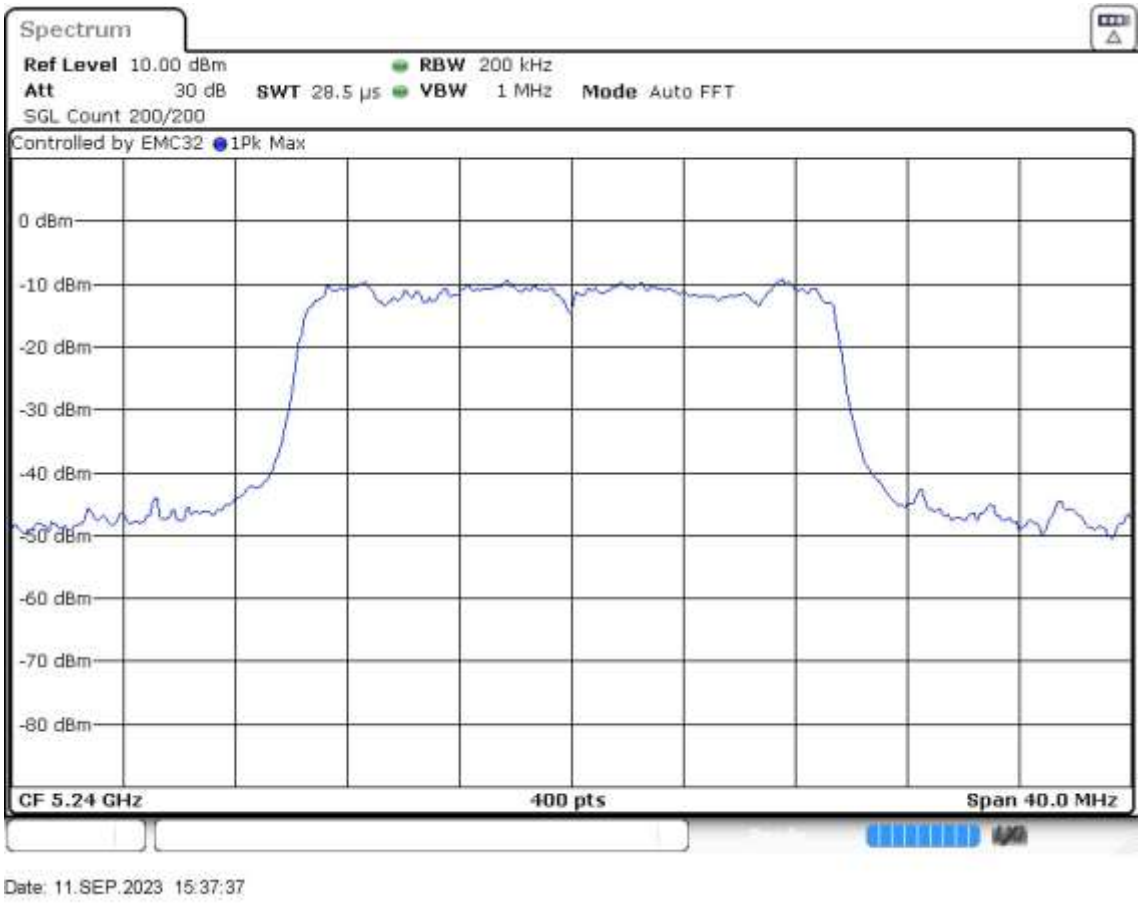
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





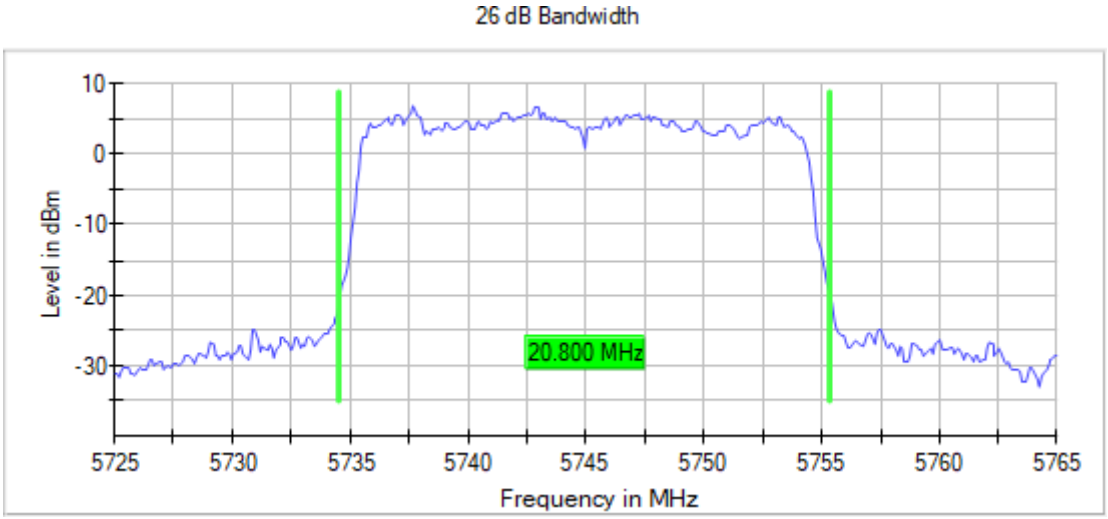
Date: 11.SEP.2023 15:37:37

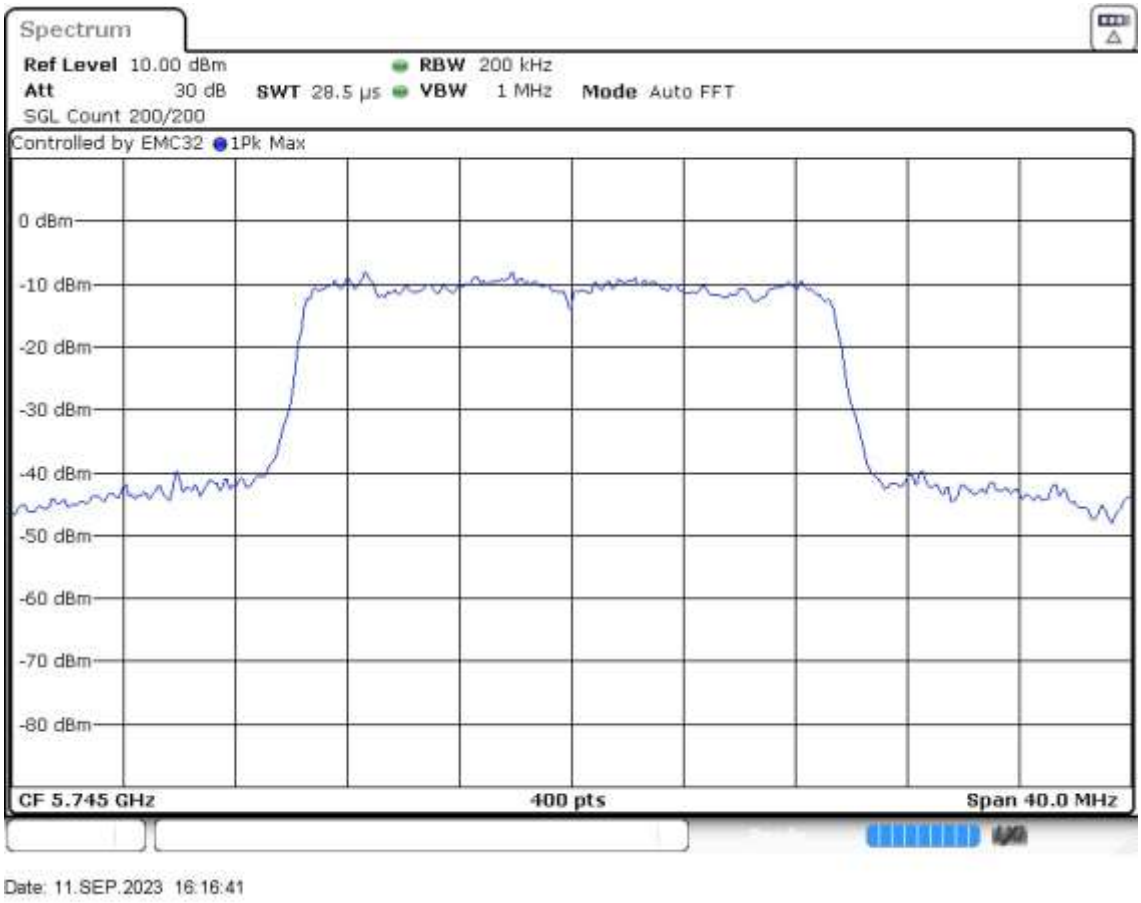
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





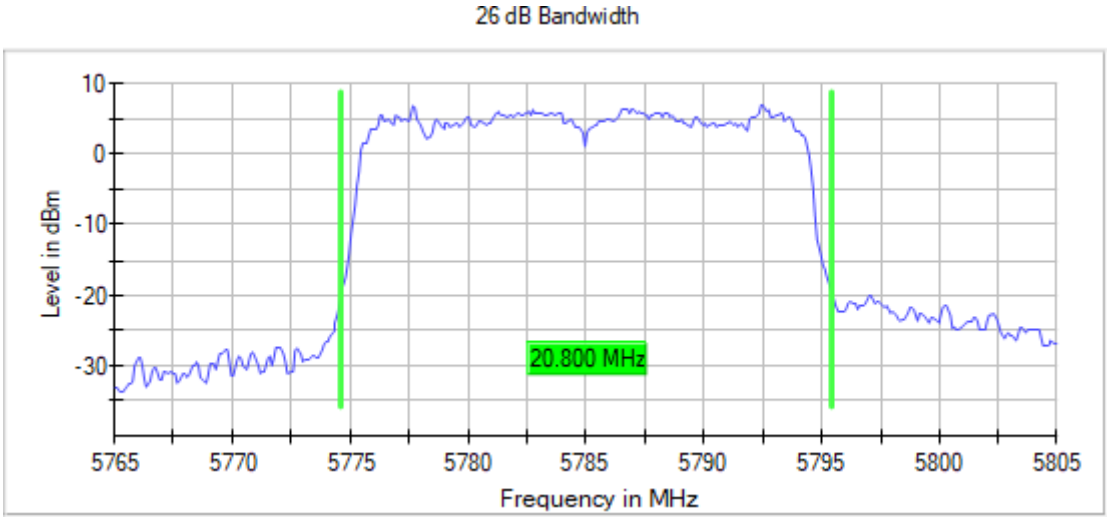
Date: 11.SEP.2023 16:16:41

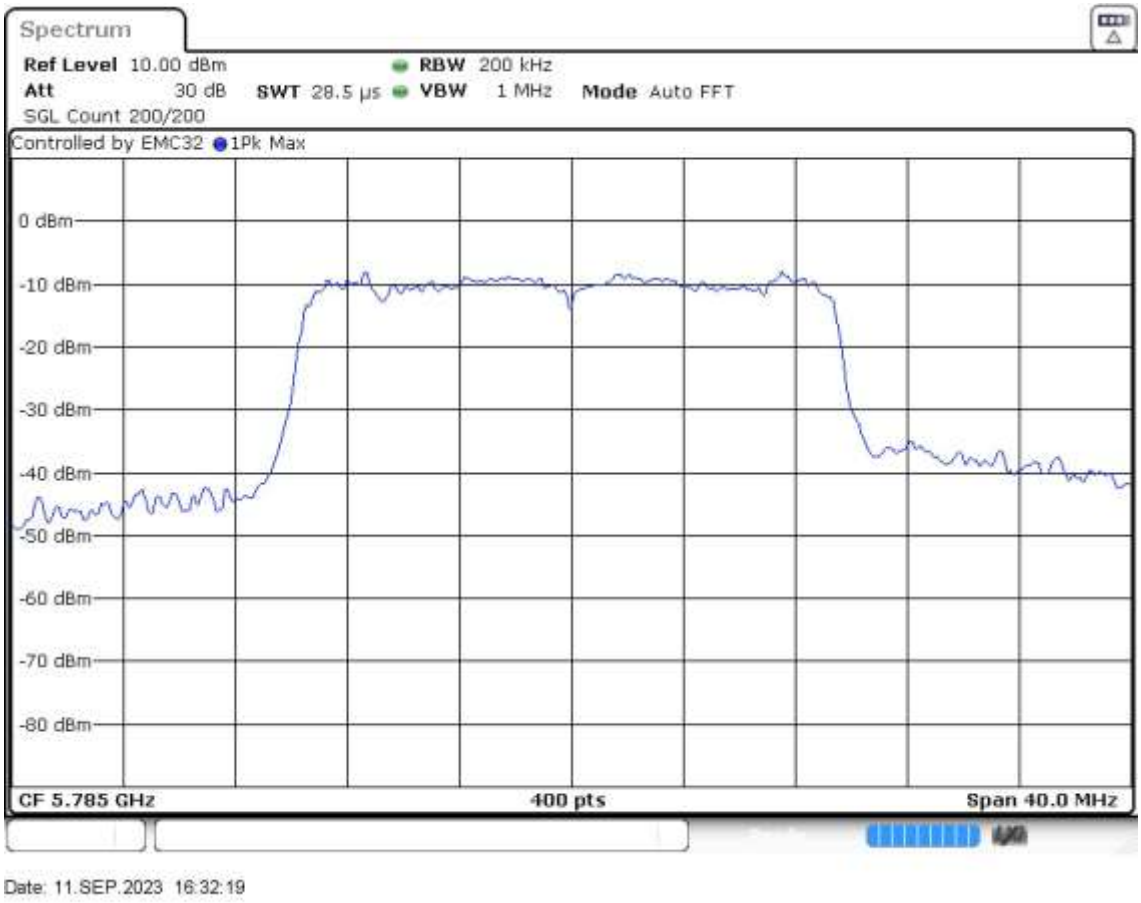
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





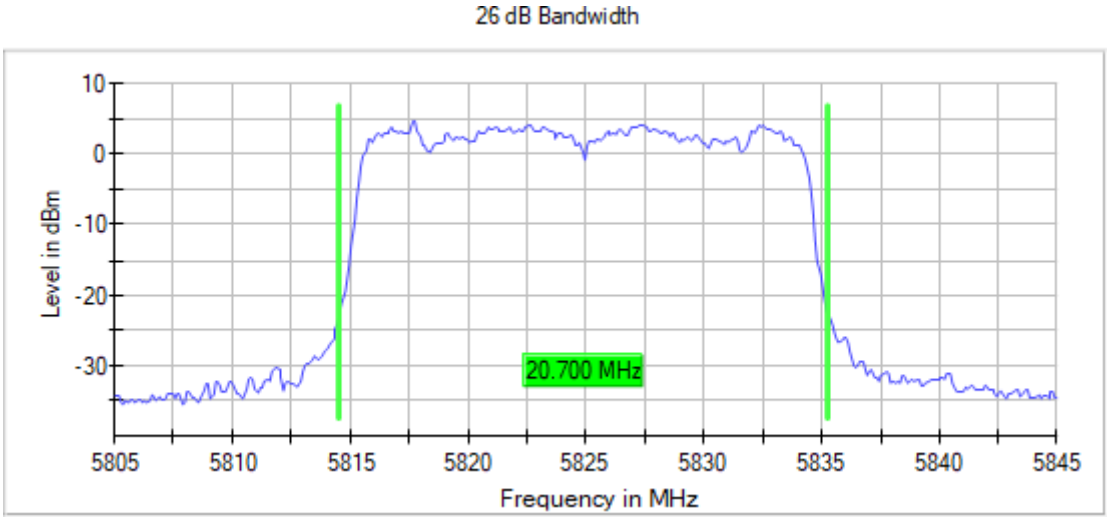
Date: 11.SEP.2023 16:32:19

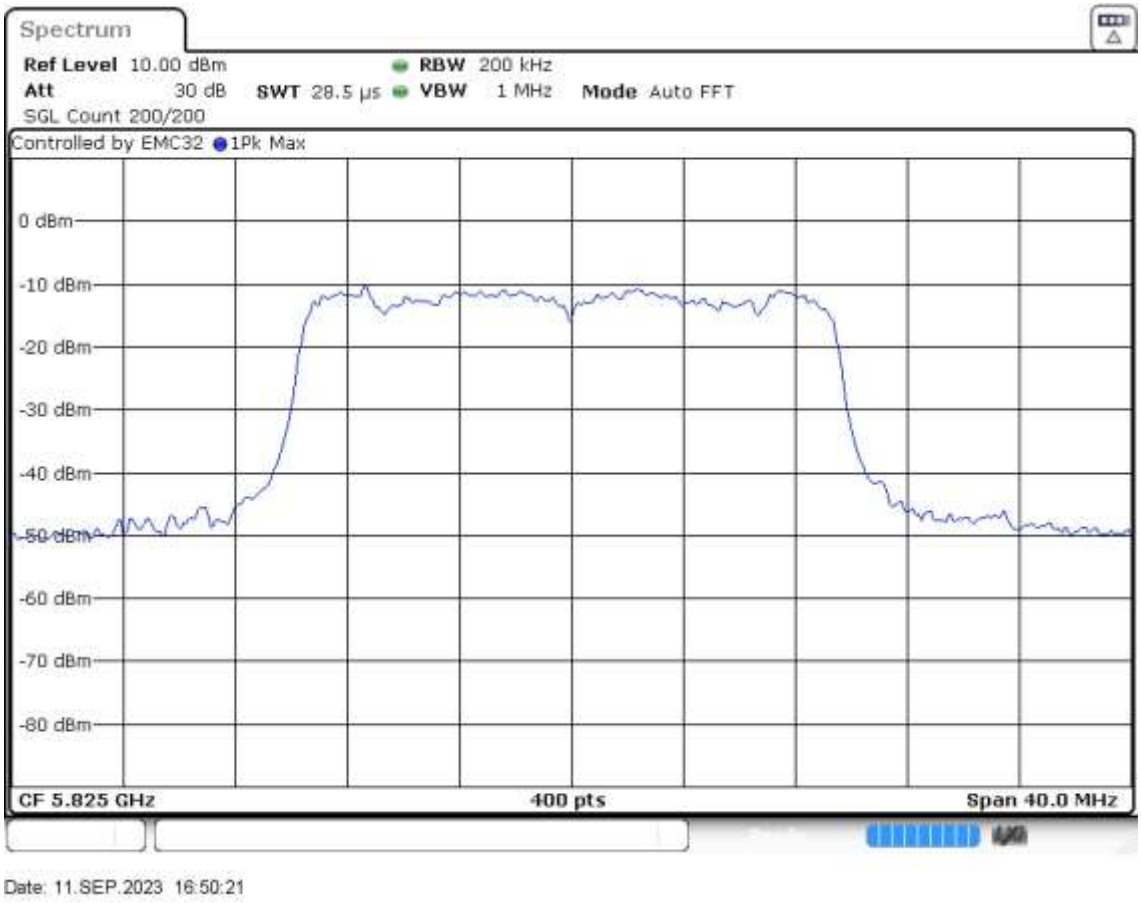
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





Date: 11.SEP.2023 16:50:21

Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5190.00000	41.726
		5230.00000	41.126
		5755.00000	41.876
		5795.00000	41.726

Verdict

Pass

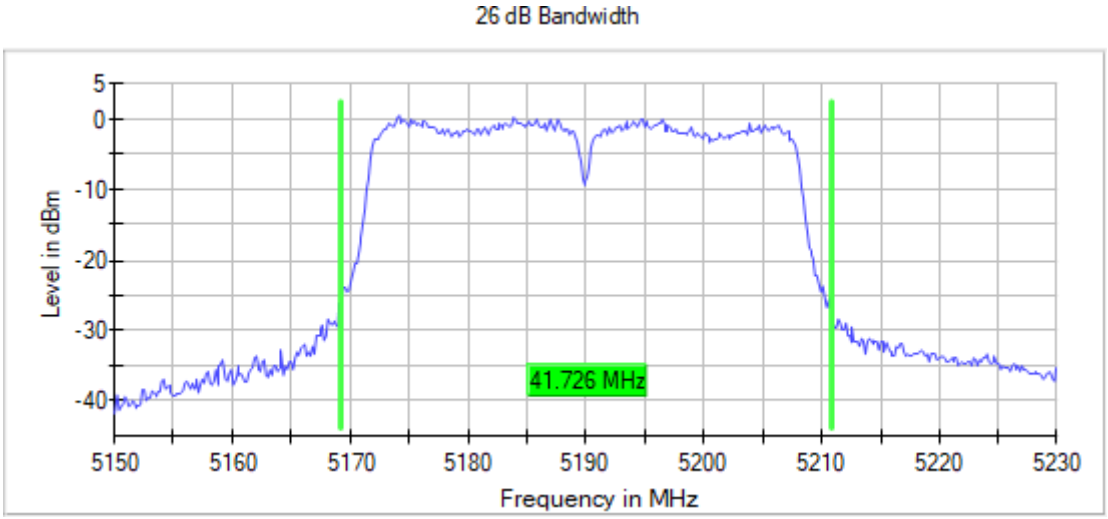
Attachments

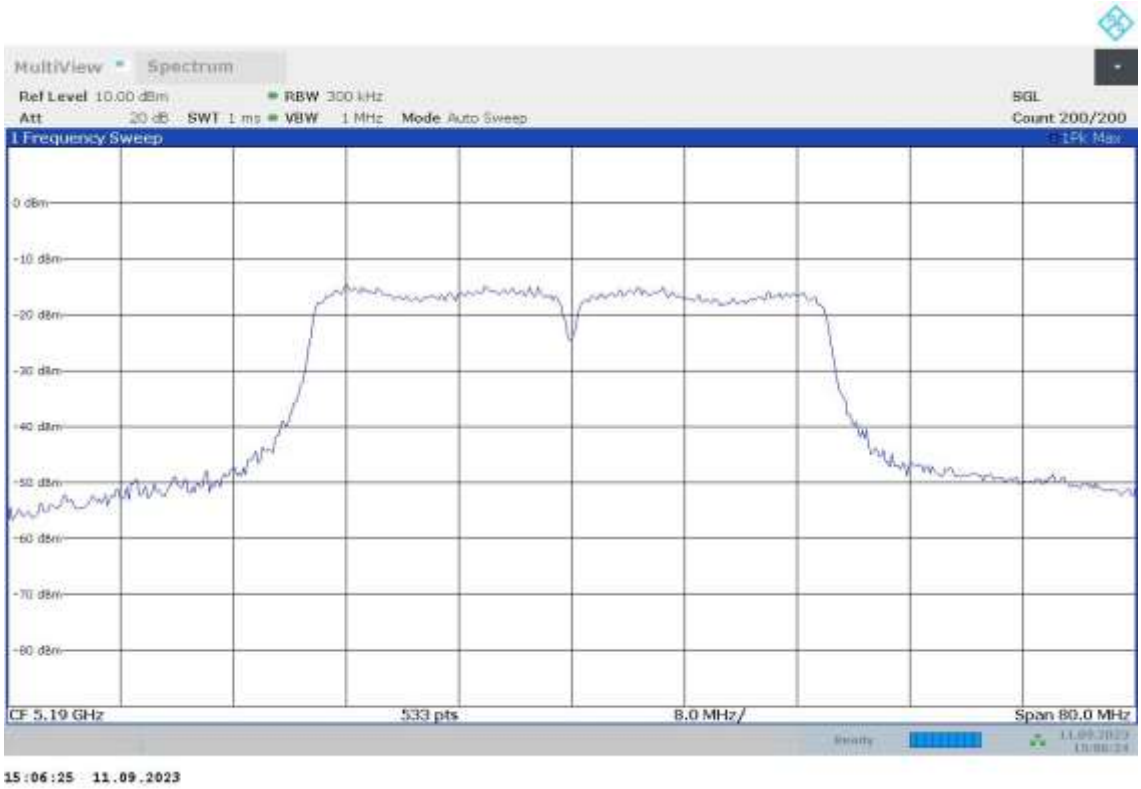
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5190.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



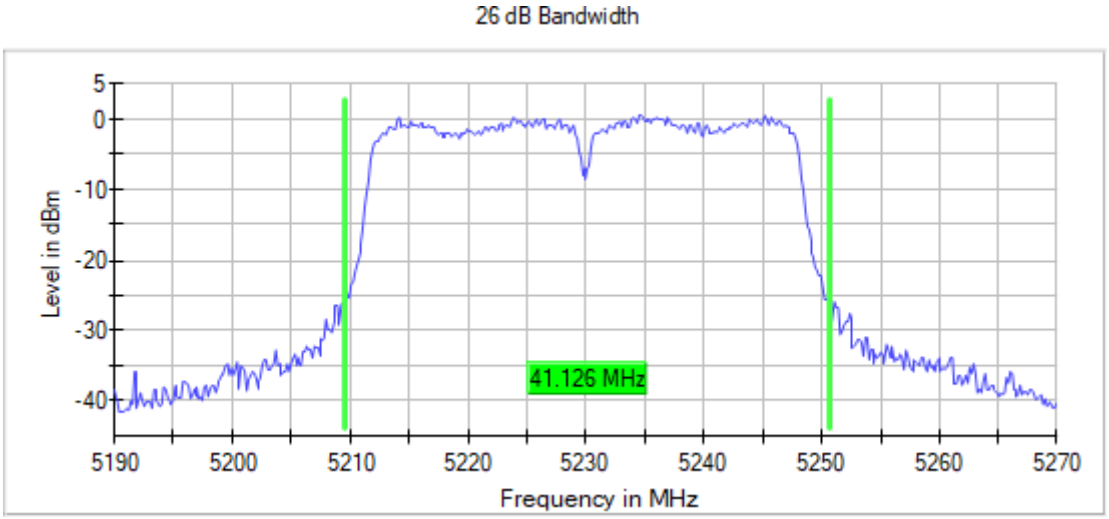


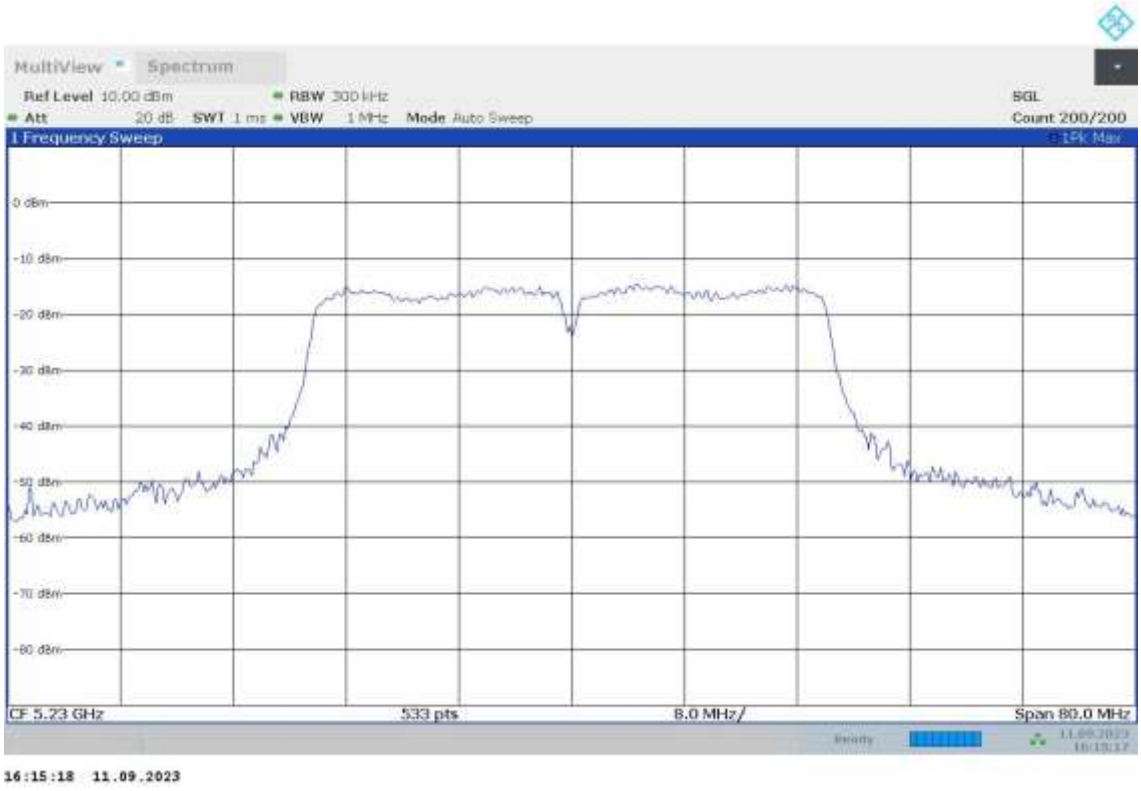
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5230.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



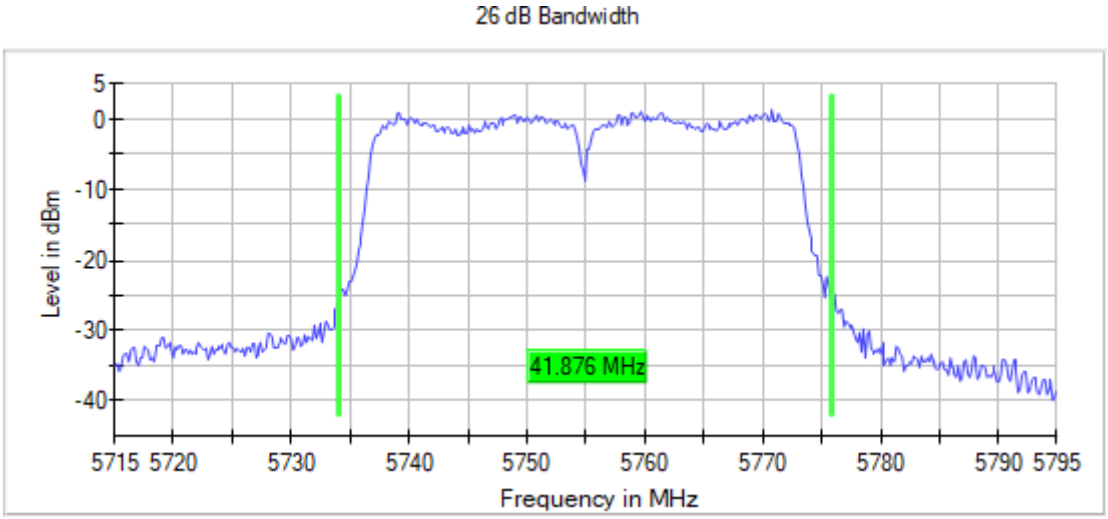


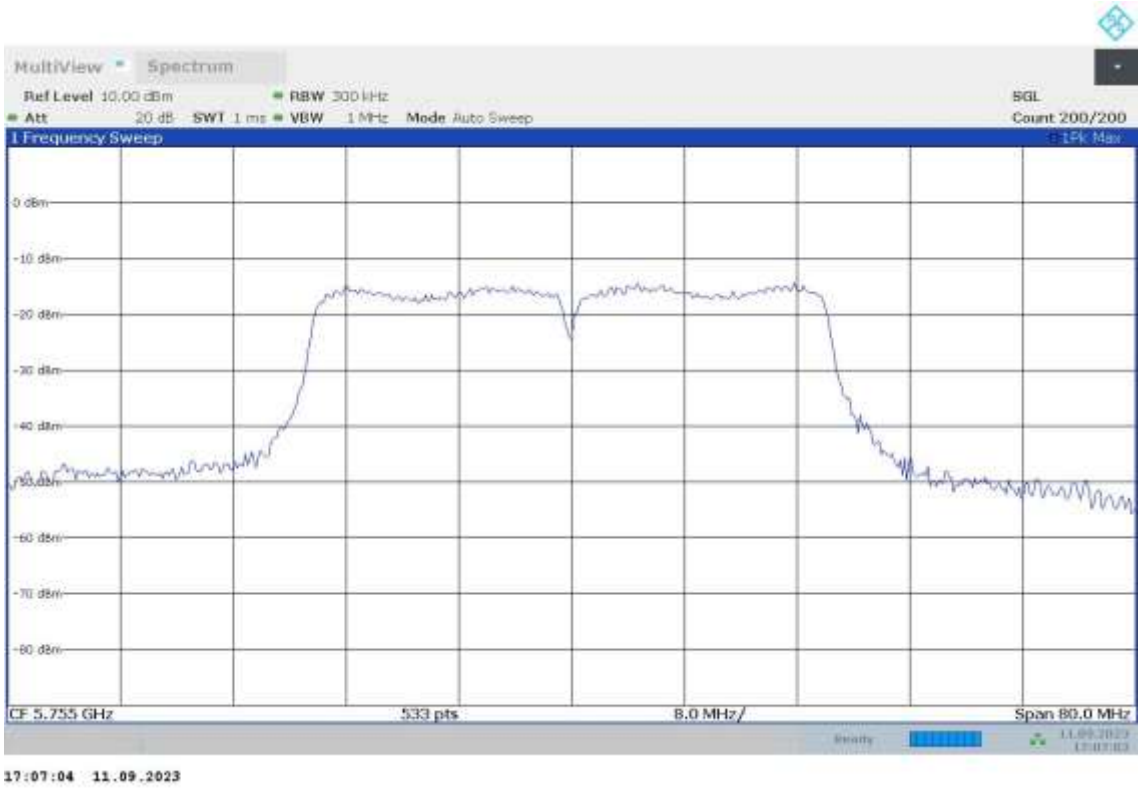
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



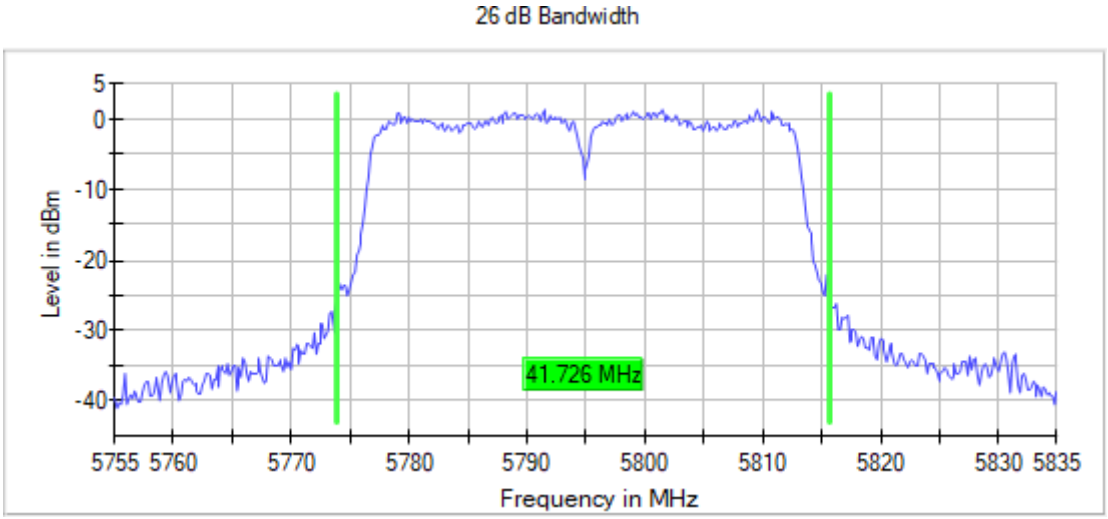


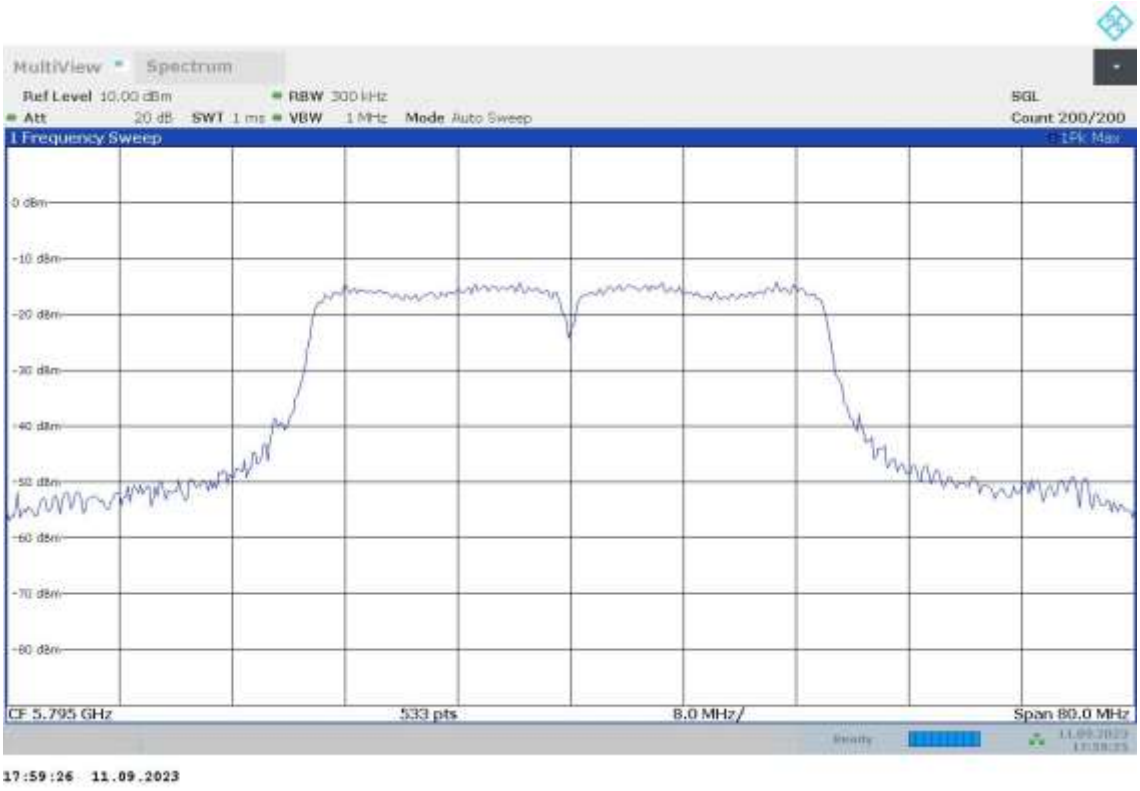
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:





Modulation: 802.11ax HE40 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5190.00000	40.525
		5230.00000	40.525
		5755.00000	40.675
		5795.00000	40.375

Verdict

Pass

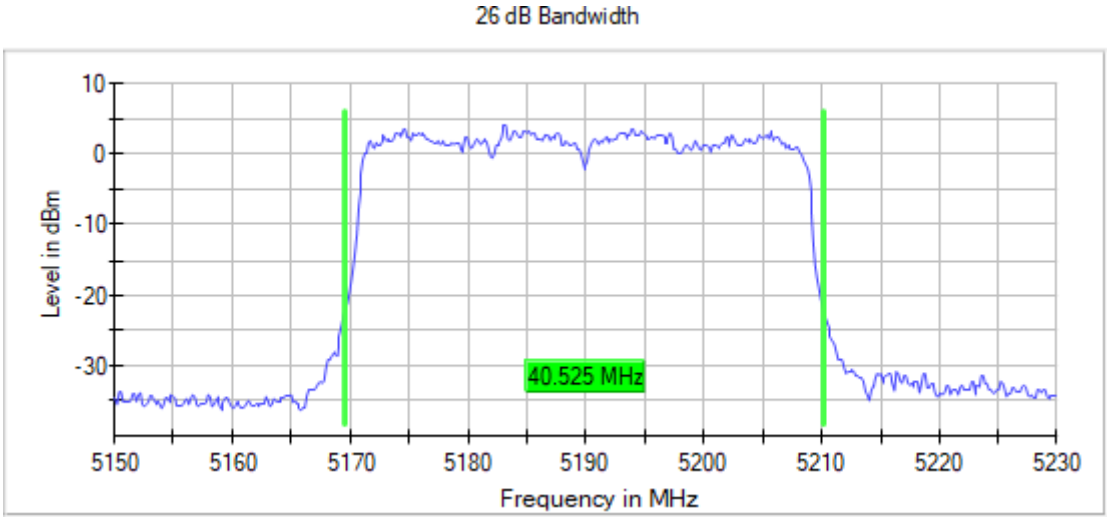
Attachments

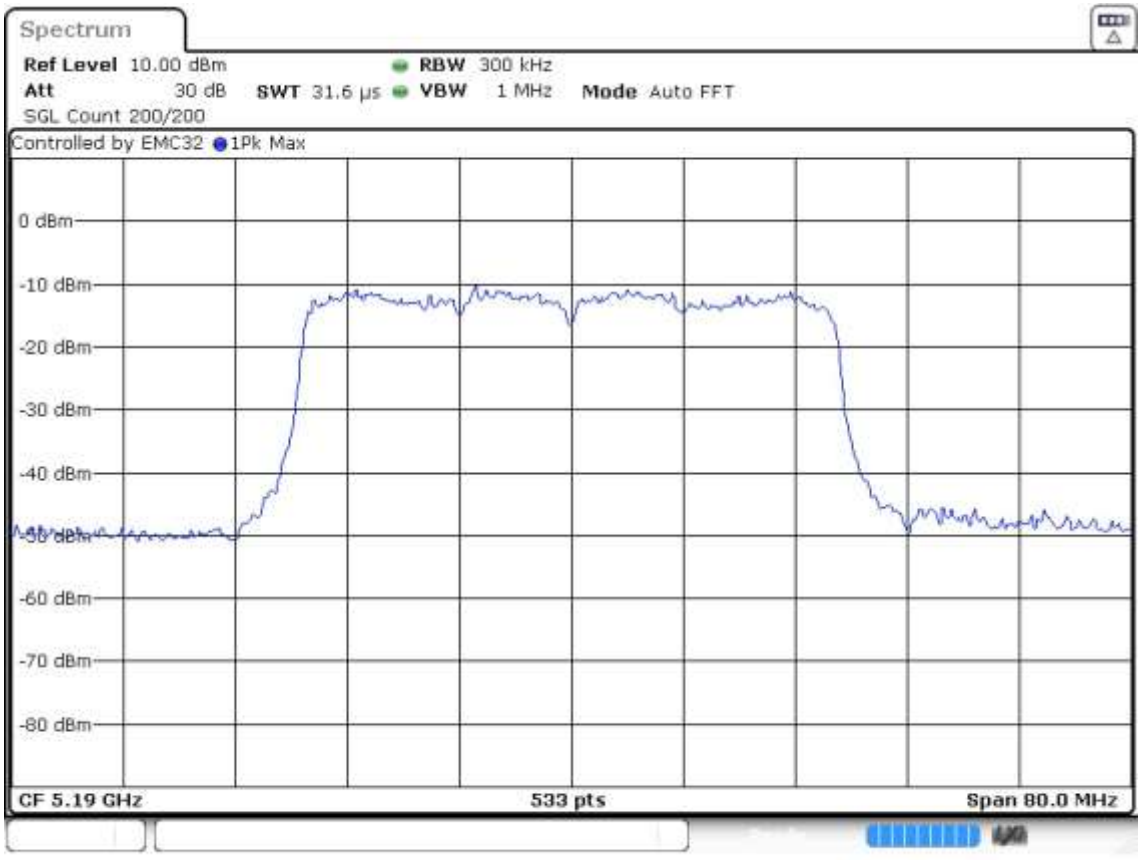
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:





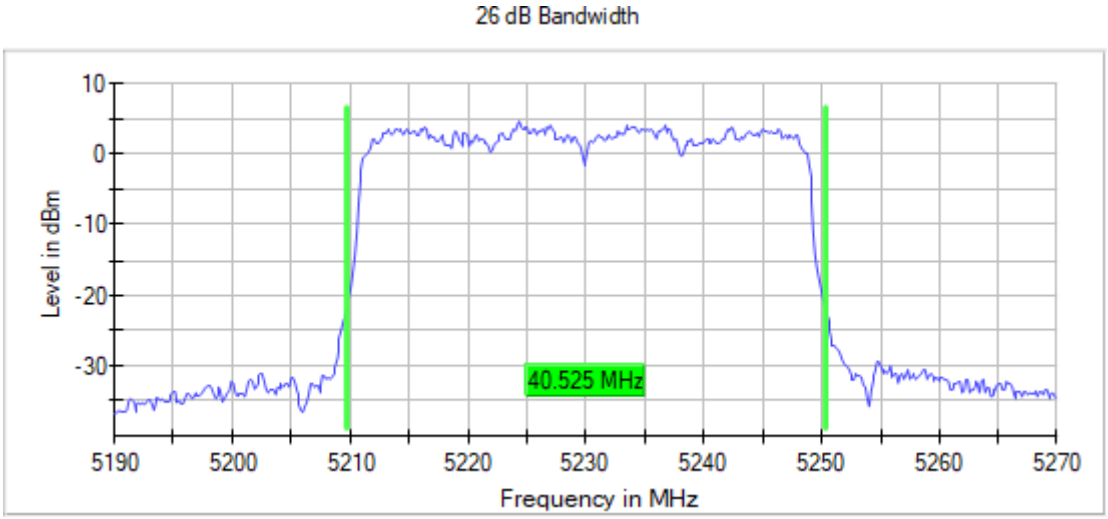
Date: 11.SEP.2023 18:18:03

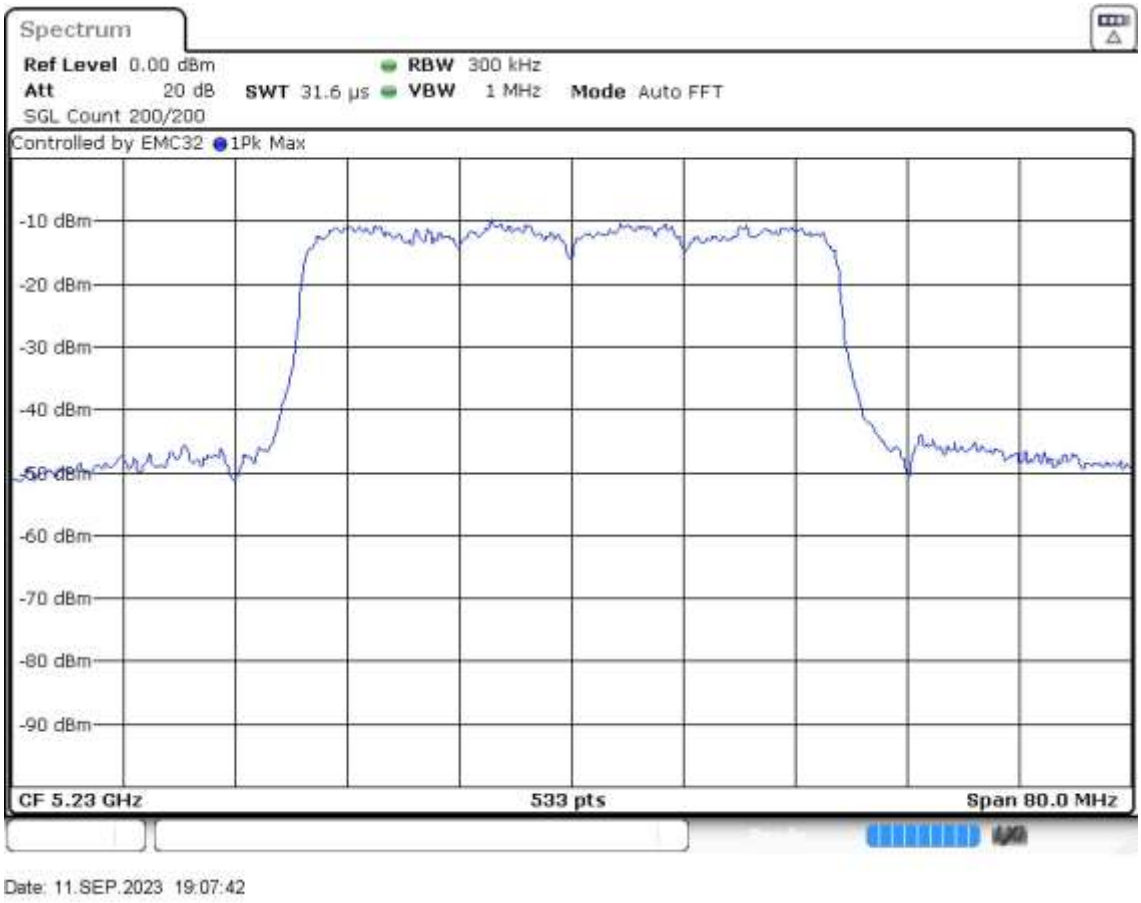
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



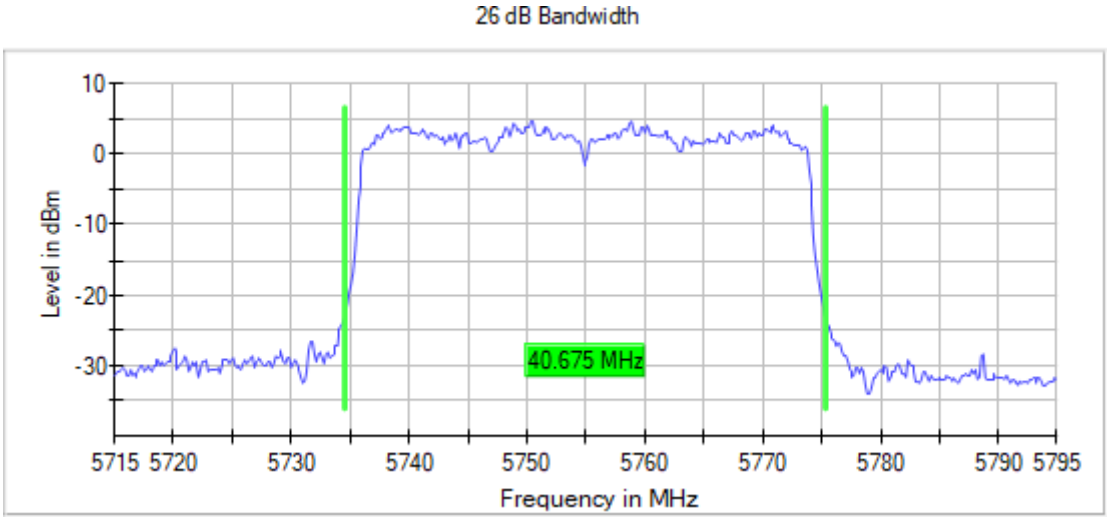


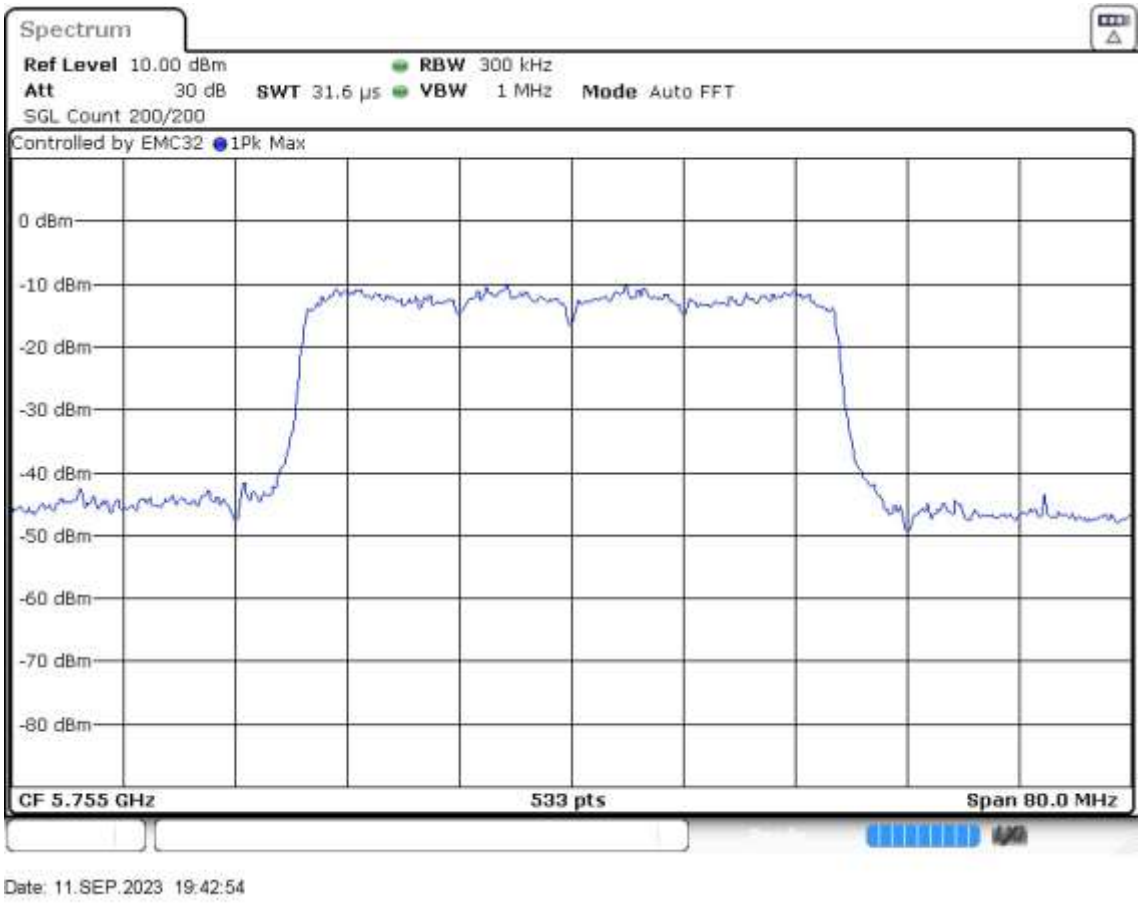
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





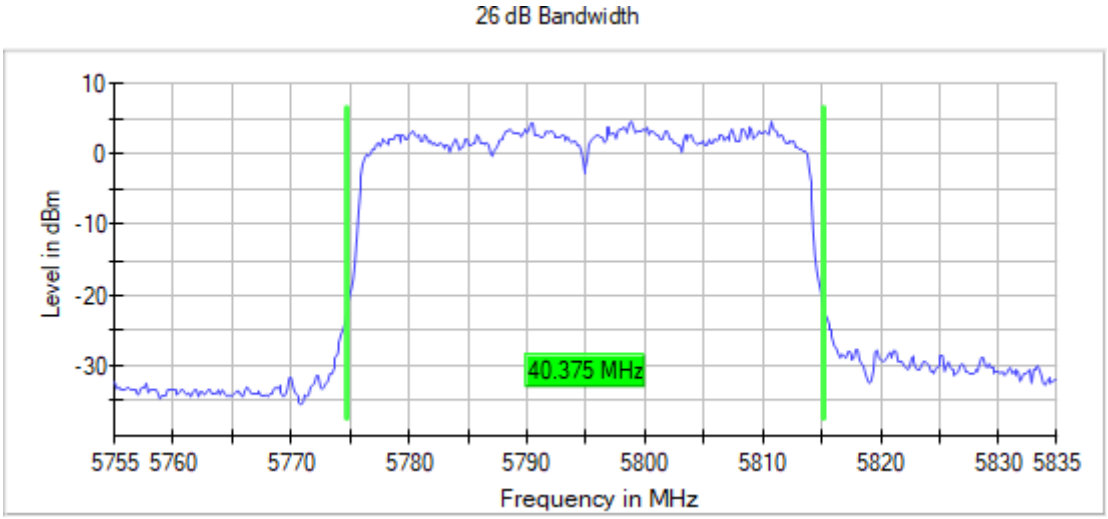
Date: 11.SEP.2023 19:42:54

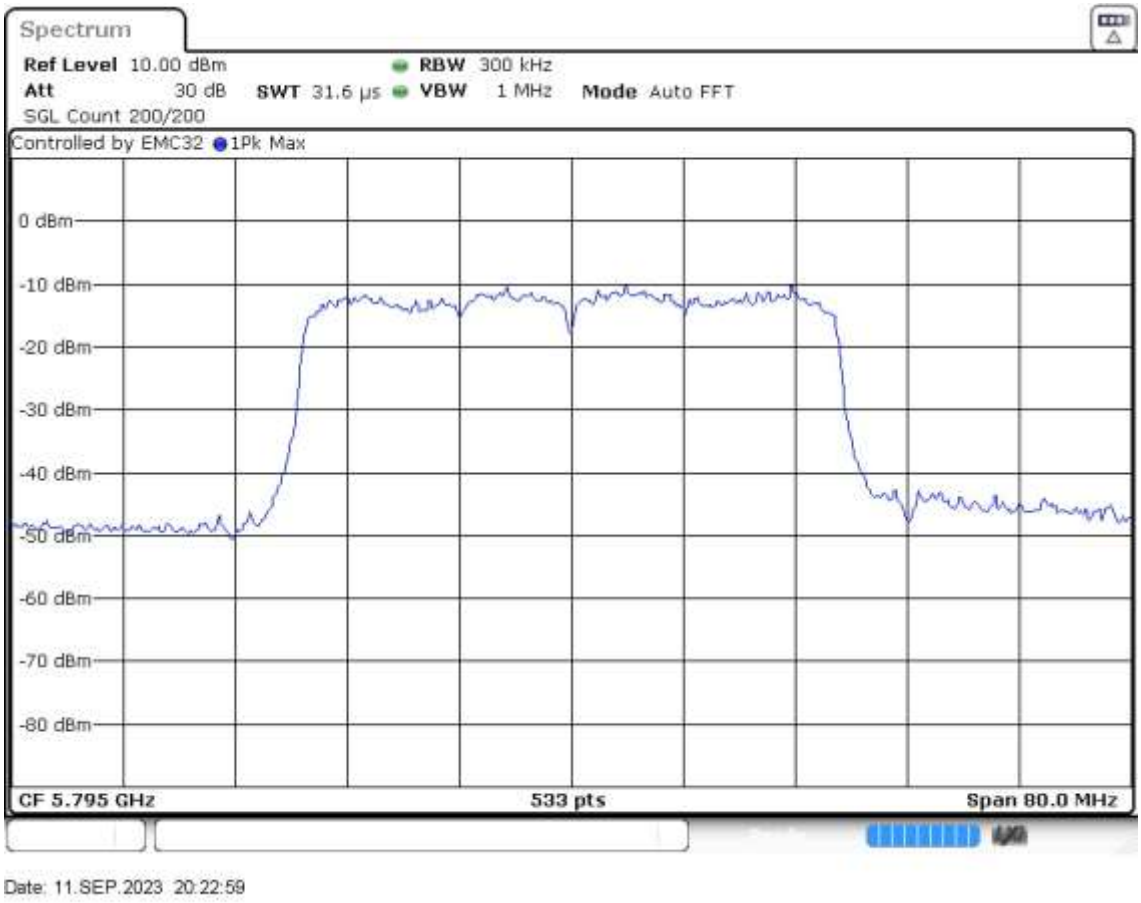
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





Date: 11.SEP.2023 20:22:59

Modulation: 802.11ac VHT80 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5210.00000	83.500
		5775.00000	97.500

Verdict

Pass

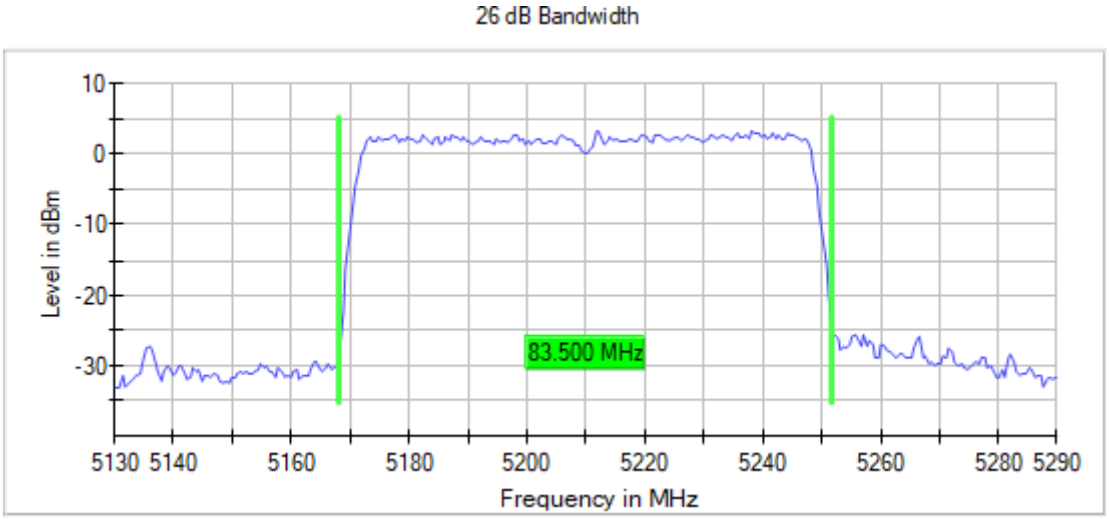
Attachments

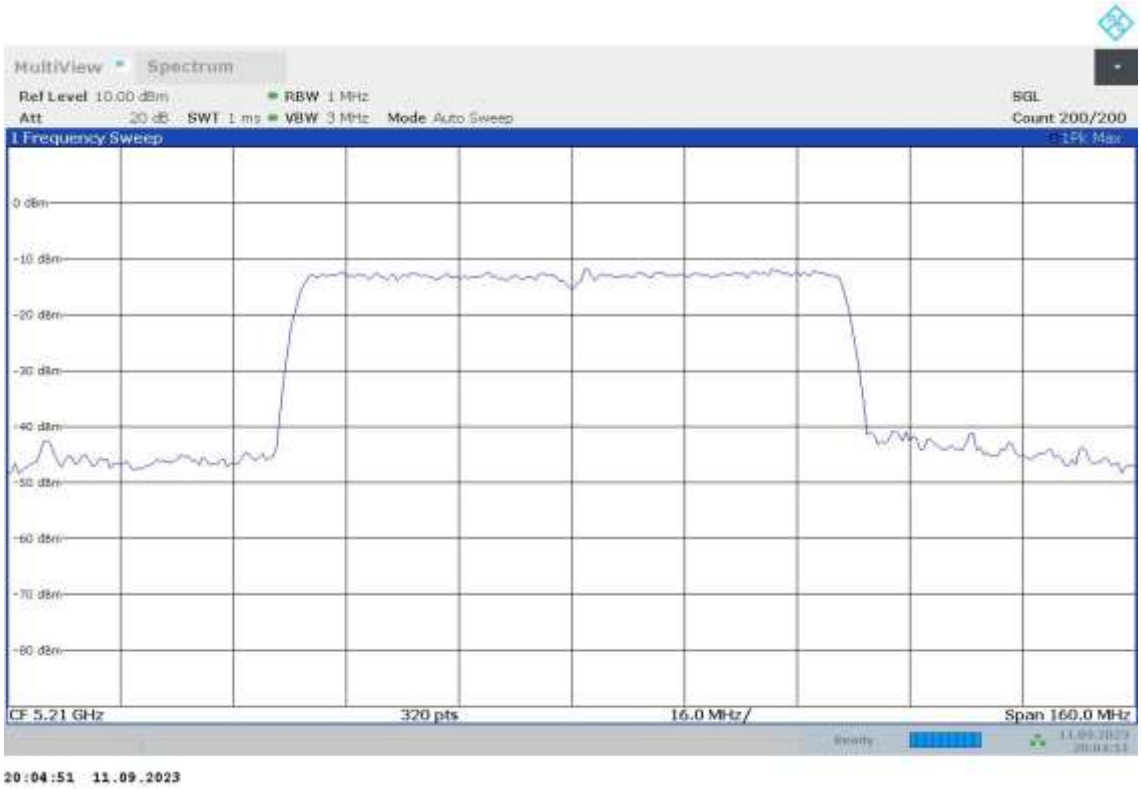
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5210.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:



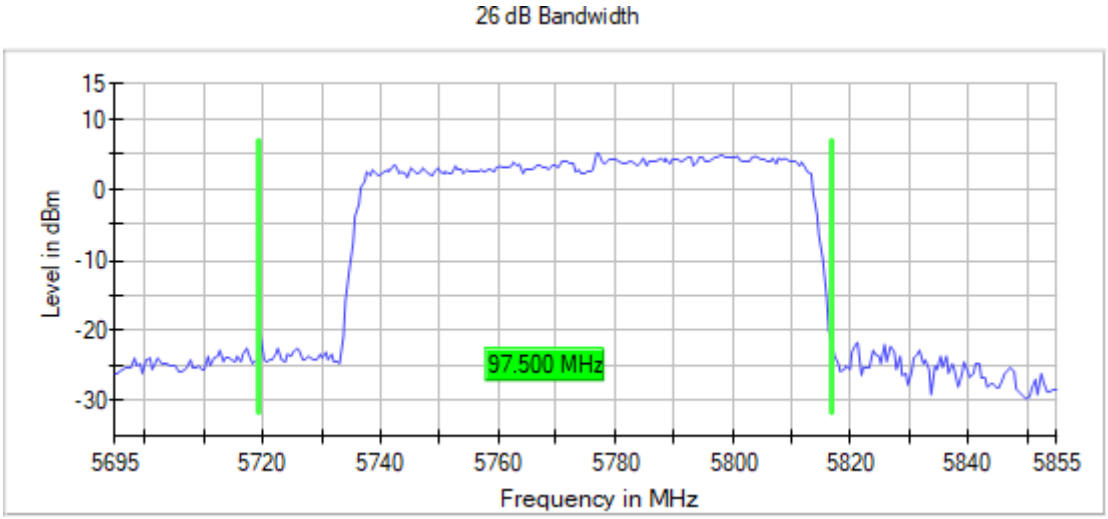


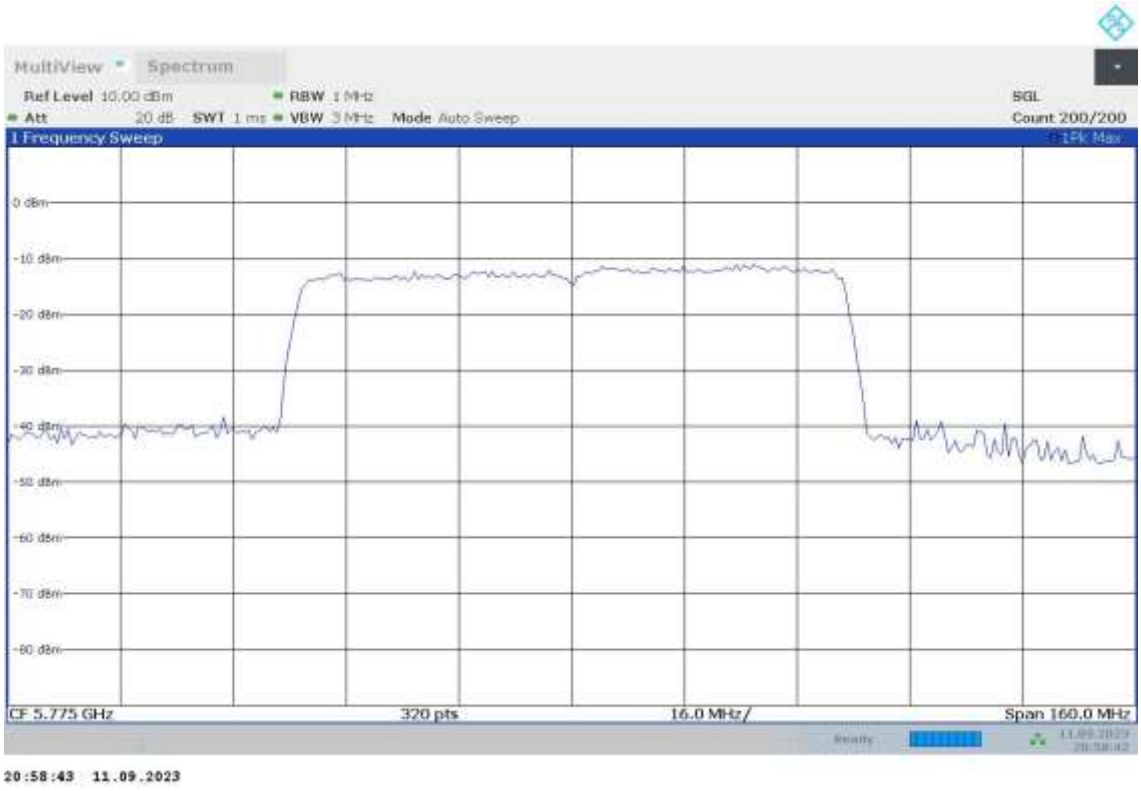
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5775.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)

MIMO Mode = SISO

Images:





Modulation: 802.11ax HE80 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5210.00000	82.000
		5775.00000	81.500

Verdict

Pass

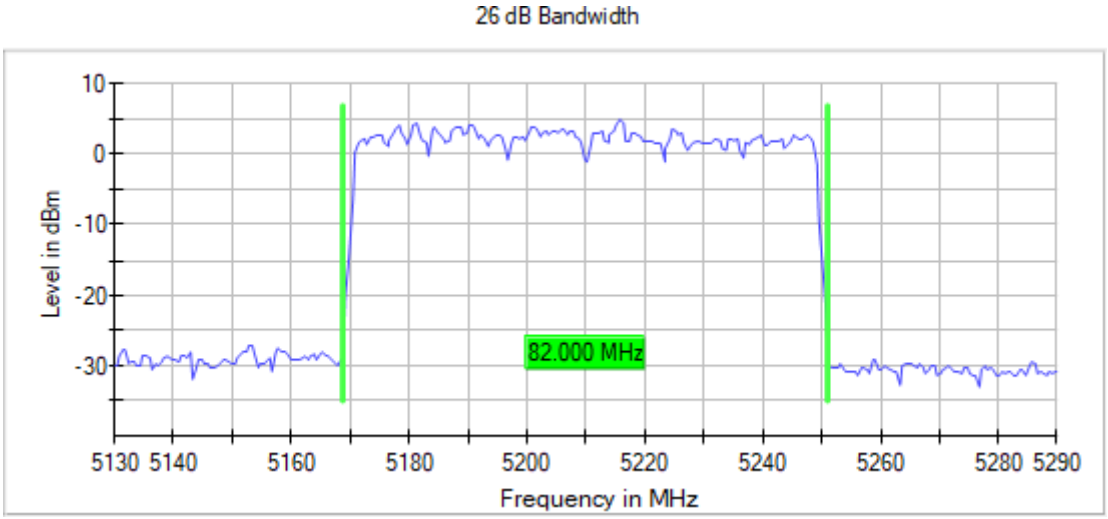
Attachments

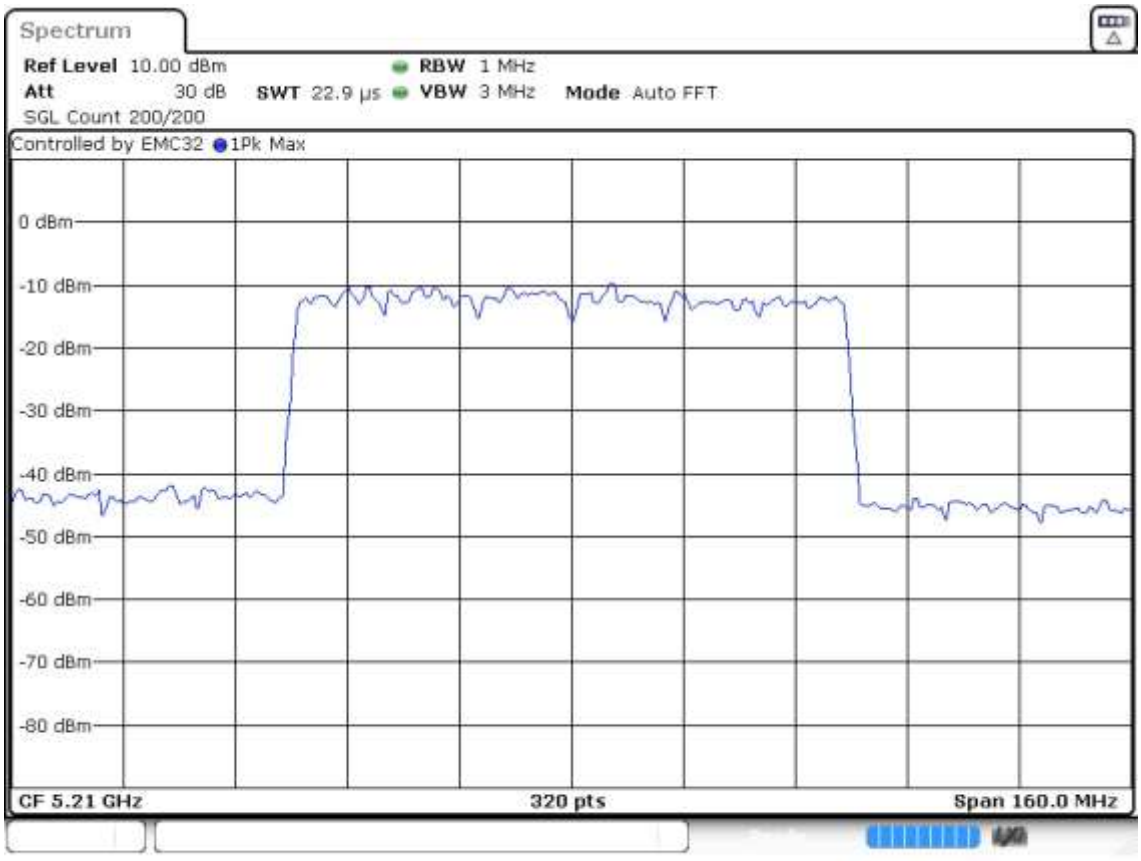
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5210.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





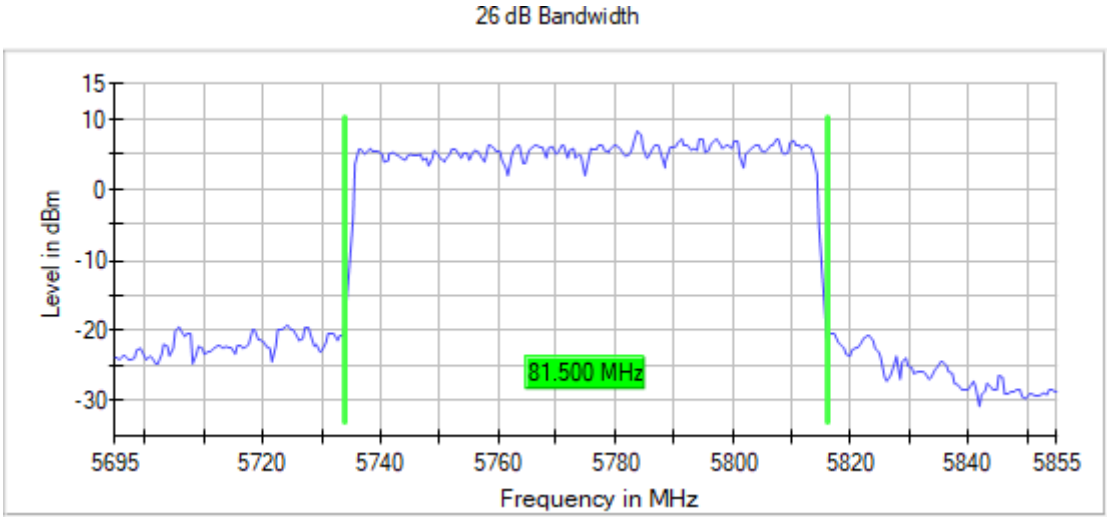
Date: 12.SEP.2023 10:49:11

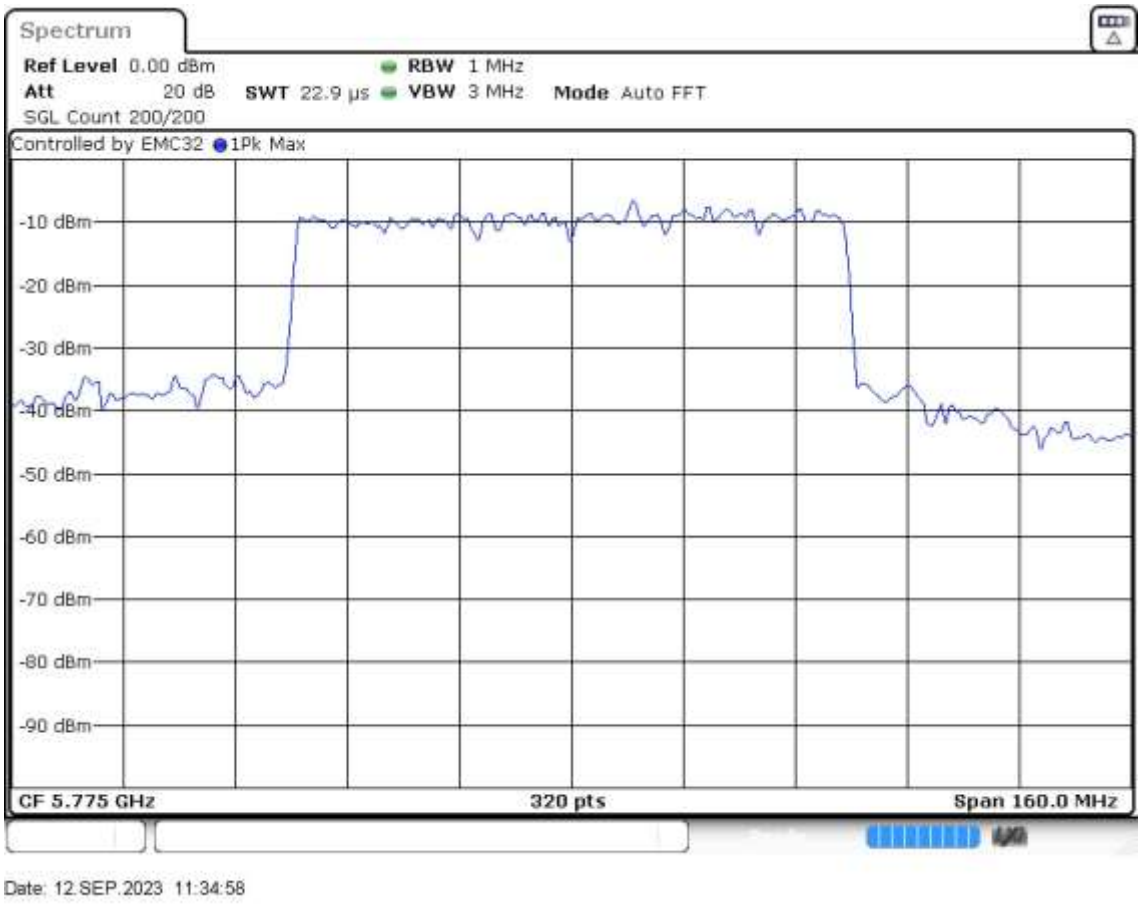
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5775.00000 Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)

MIMO Mode = SISO

Images:





Date: 12.SEP.2023 11:34:58

Modulation: 802.11a (OFDM 6 Mbit/s)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5180.00000	20.300
		5200.00000	19.700
		5240.00000	19.700
		5745.00000	20.400
		5785.00000	19.700
		5825.00000	19.900

Verdict

Pass

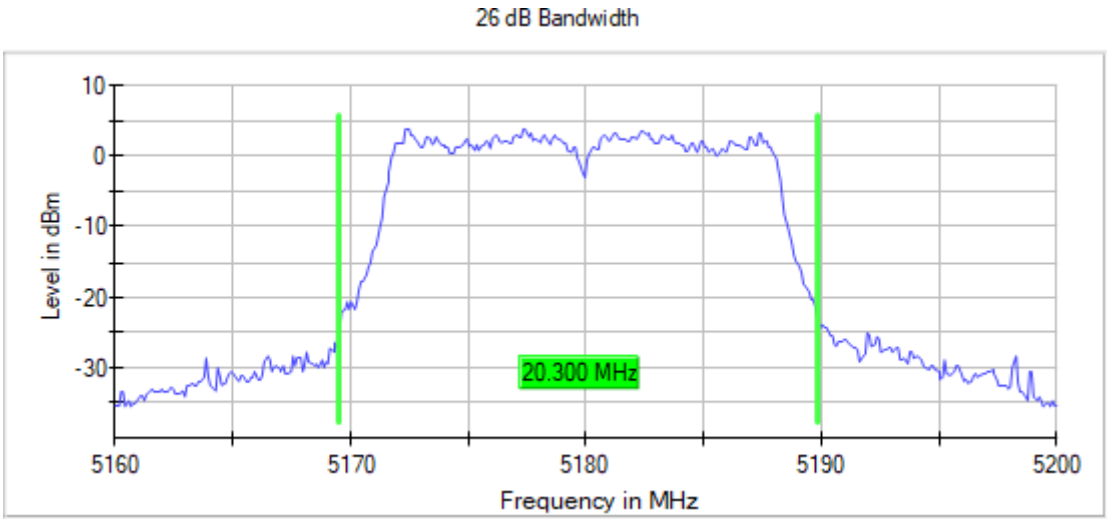
Attachments

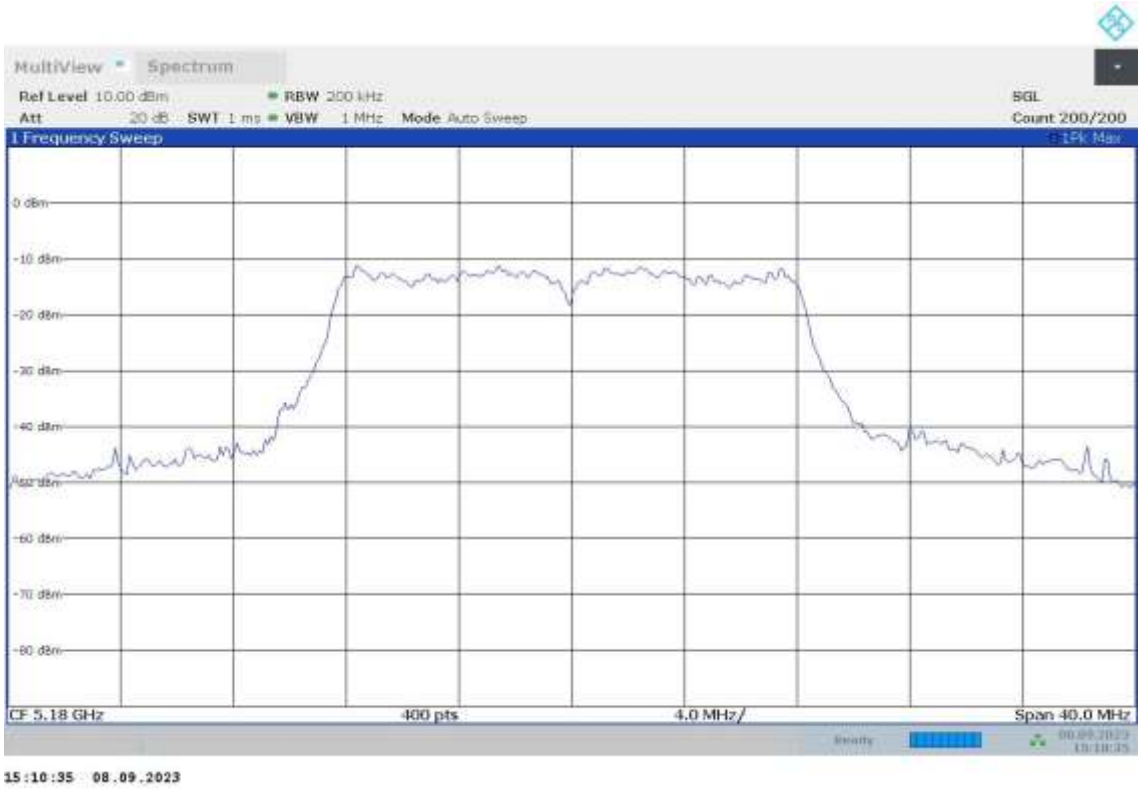
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



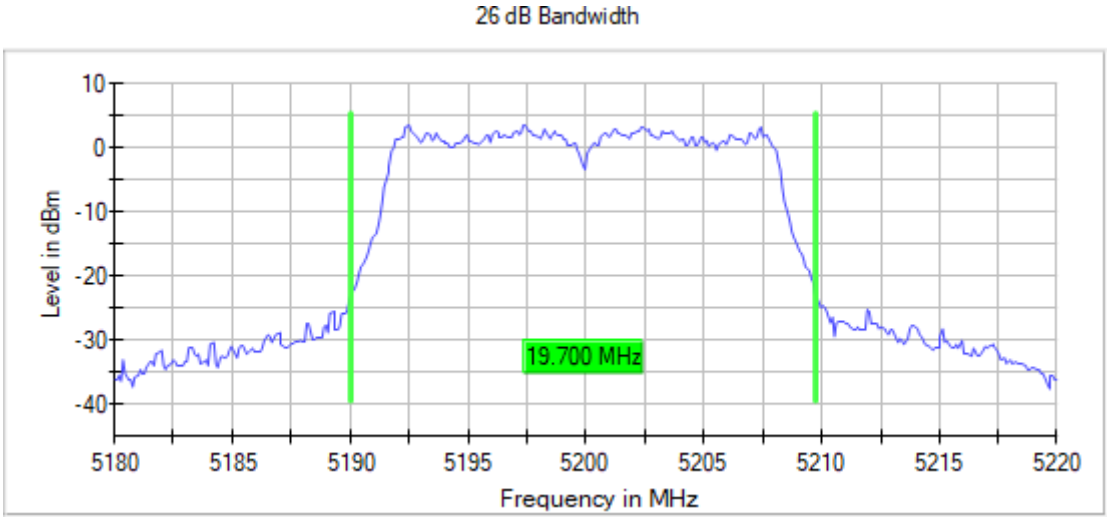


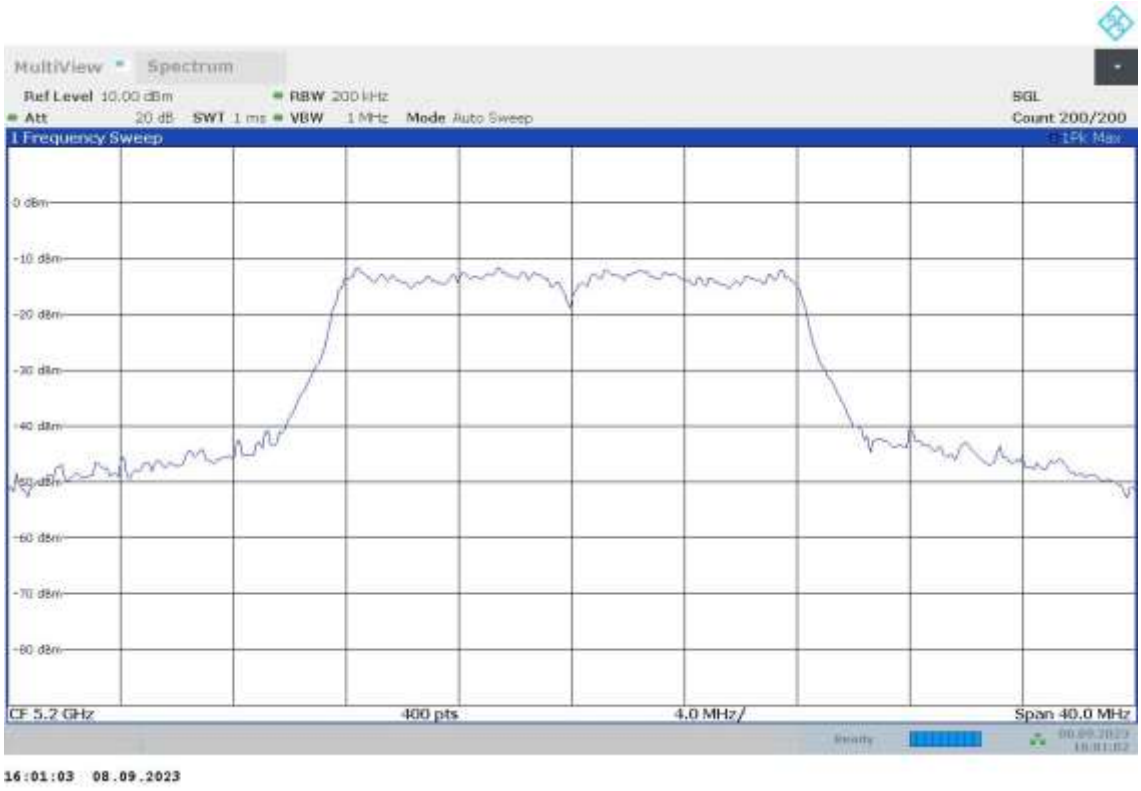
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5200.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



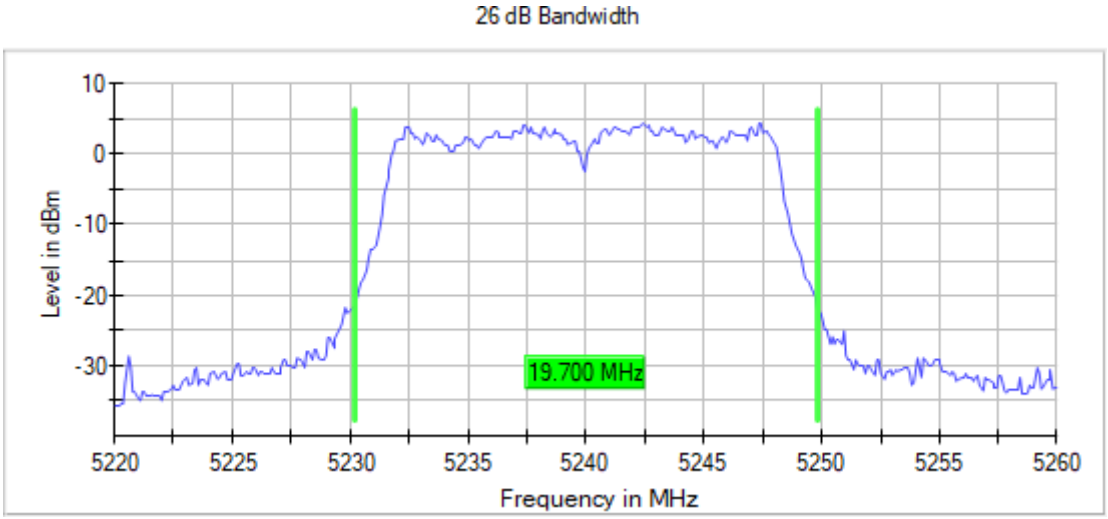


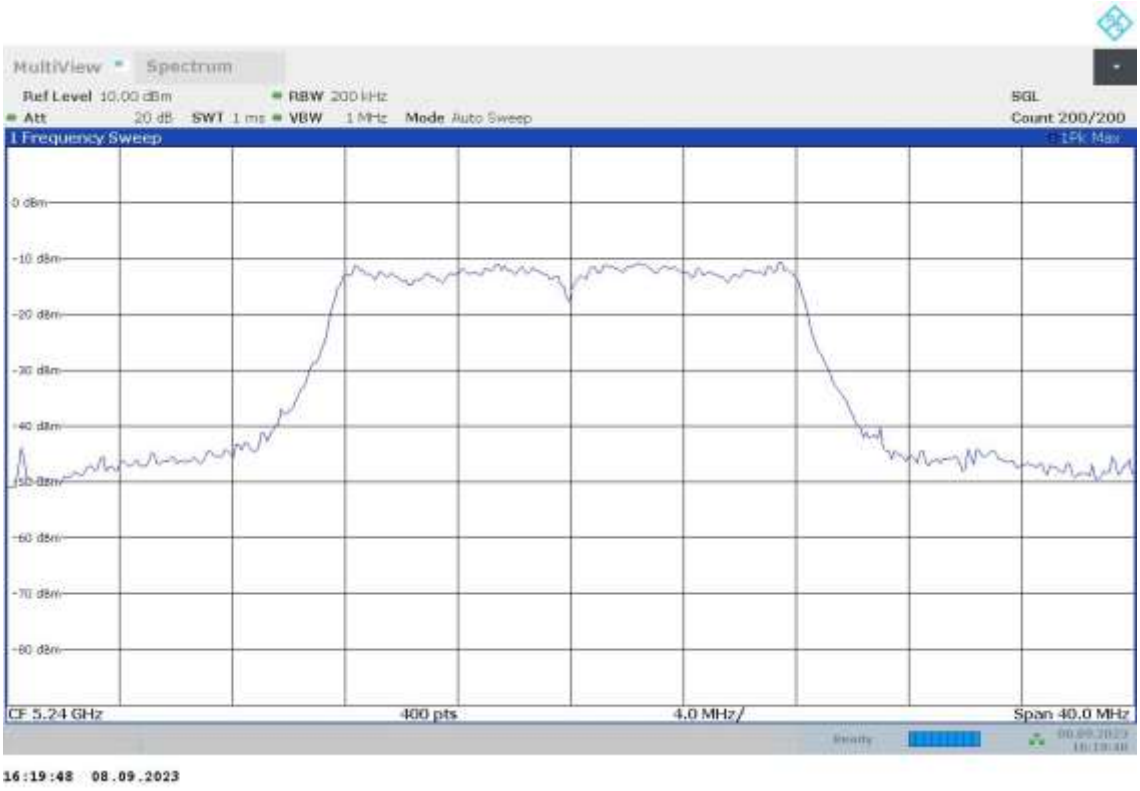
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



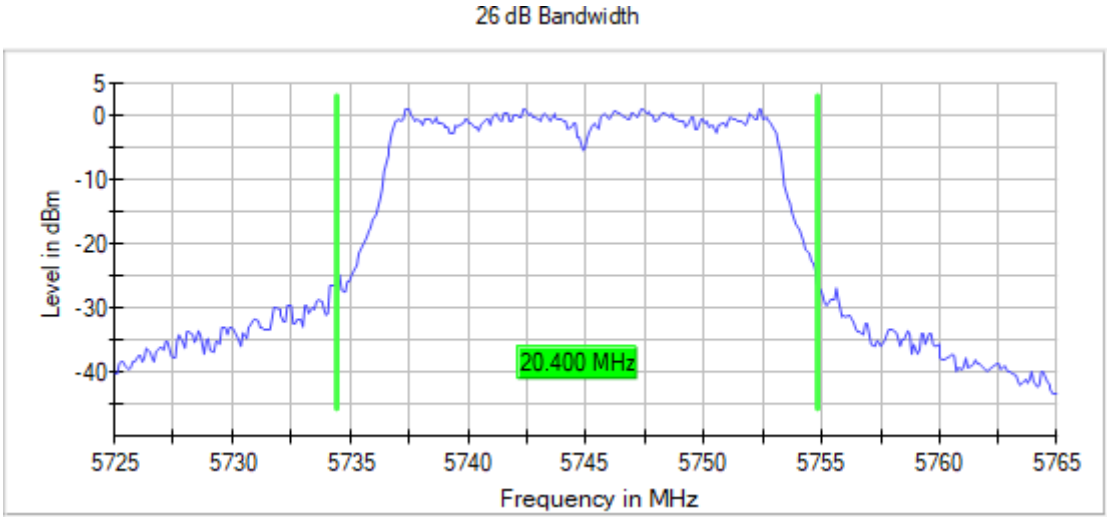


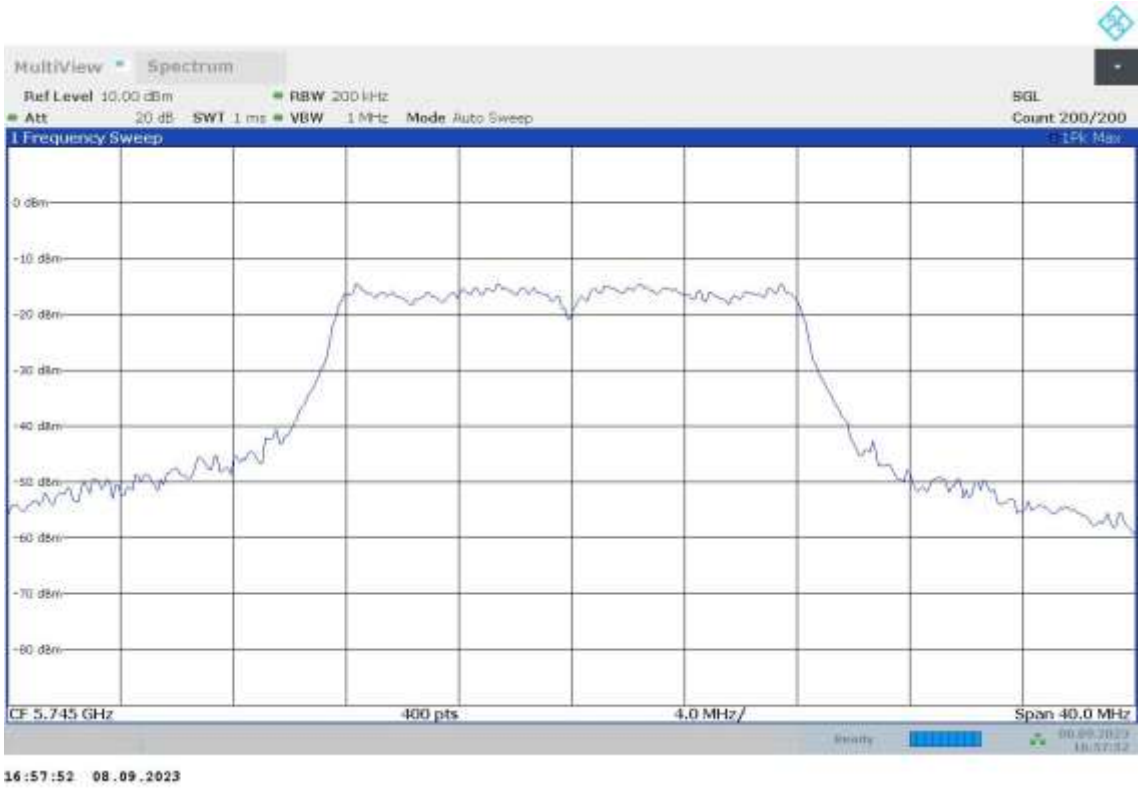
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



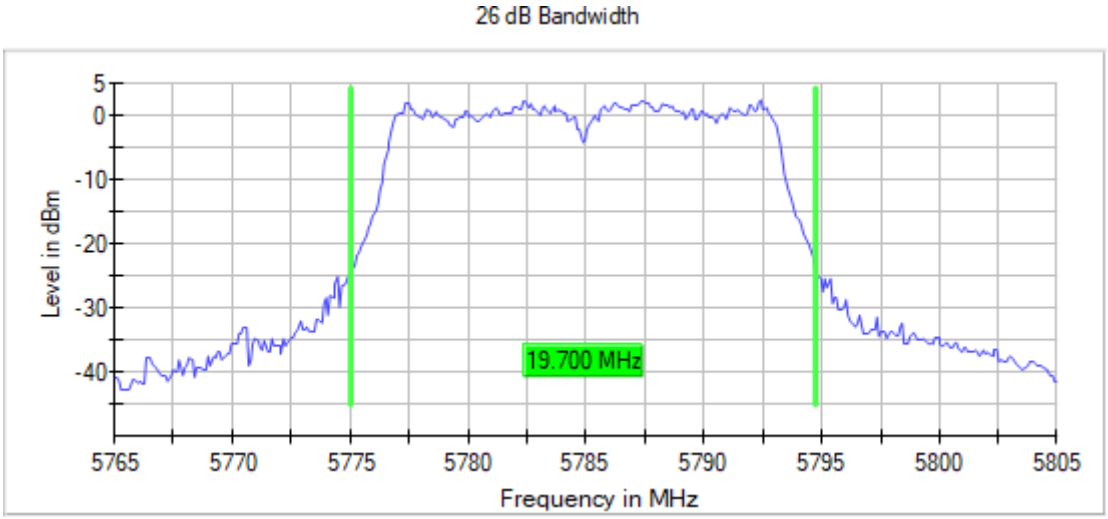


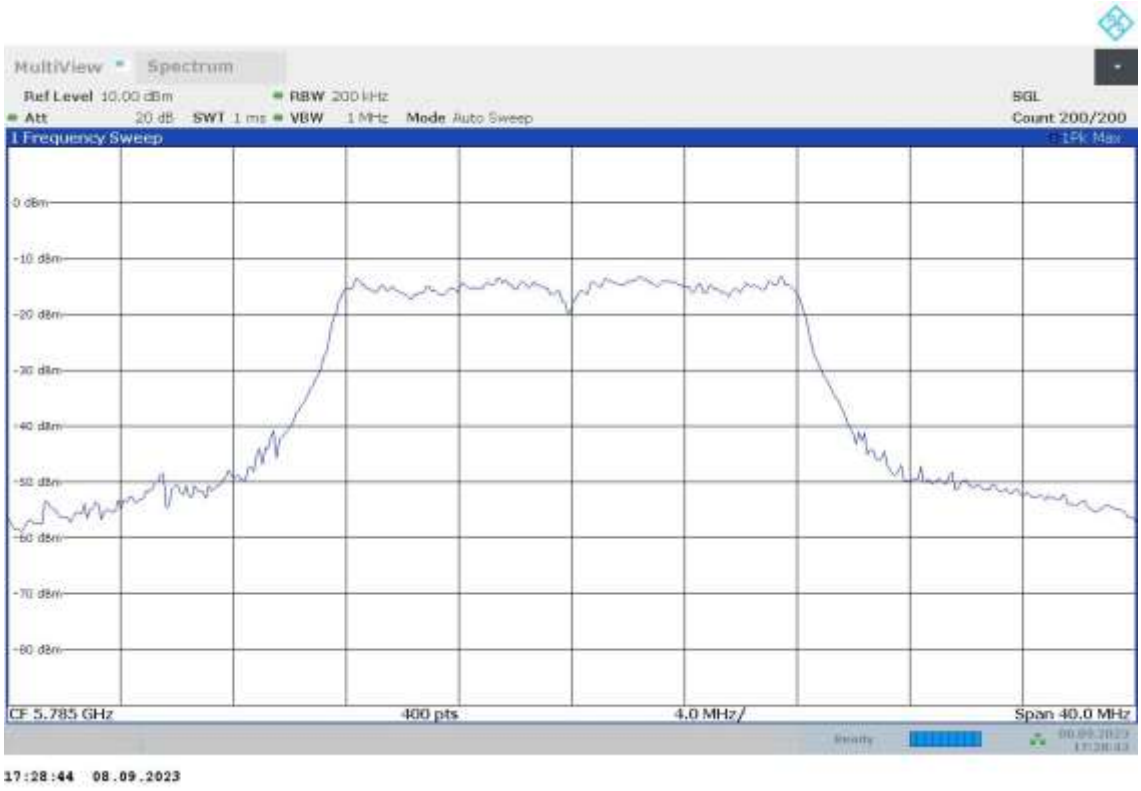
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:



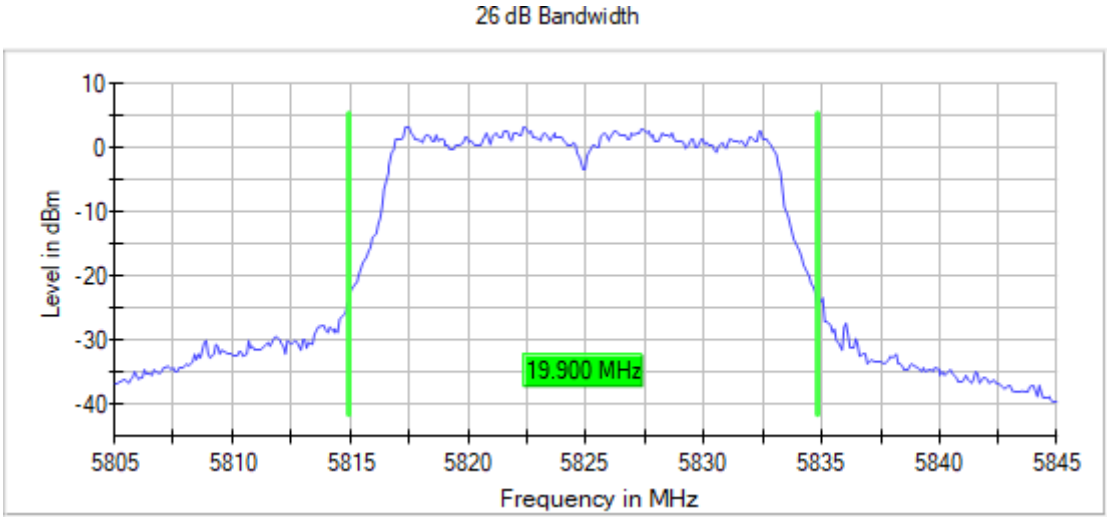


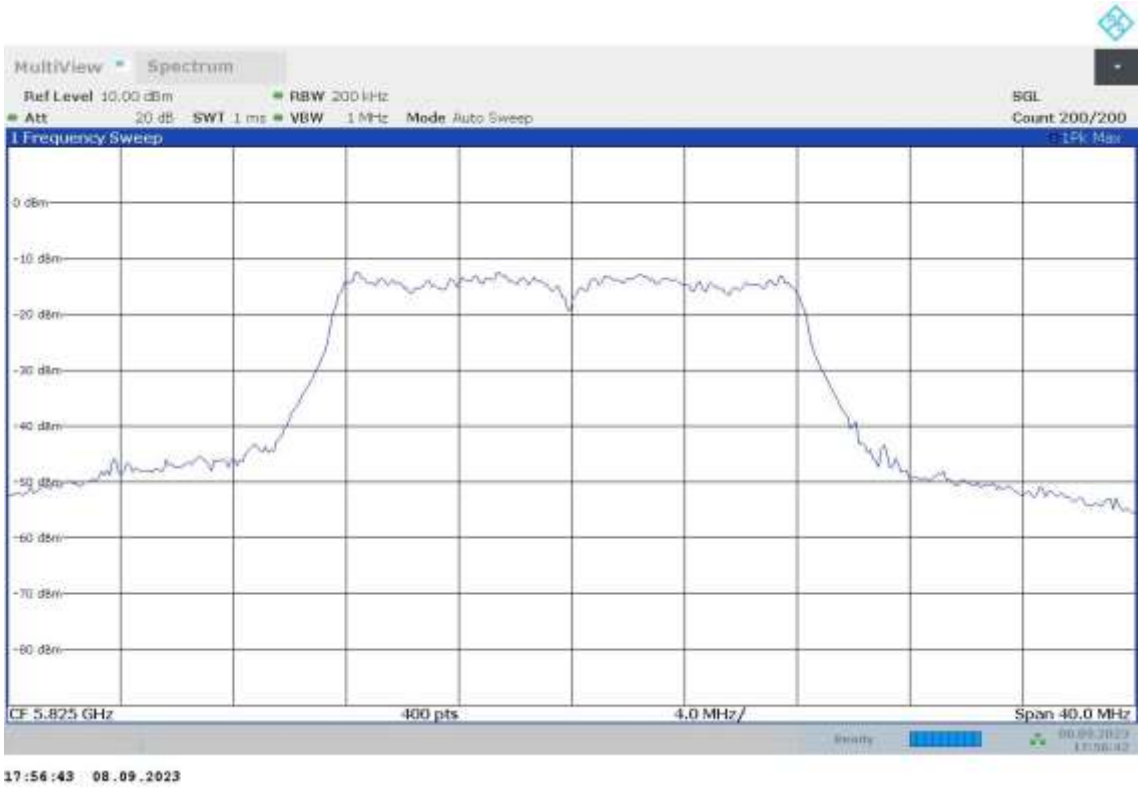
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

MIMO Mode = SISO

Images:





Modulation: 802.11n HT20 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5180.00000	20.100
		5200.00000	20.200
		5240.00000	20.300
		5745.00000	20.700
		5785.00000	20.200
		5825.00000	20.500

Verdict

Pass

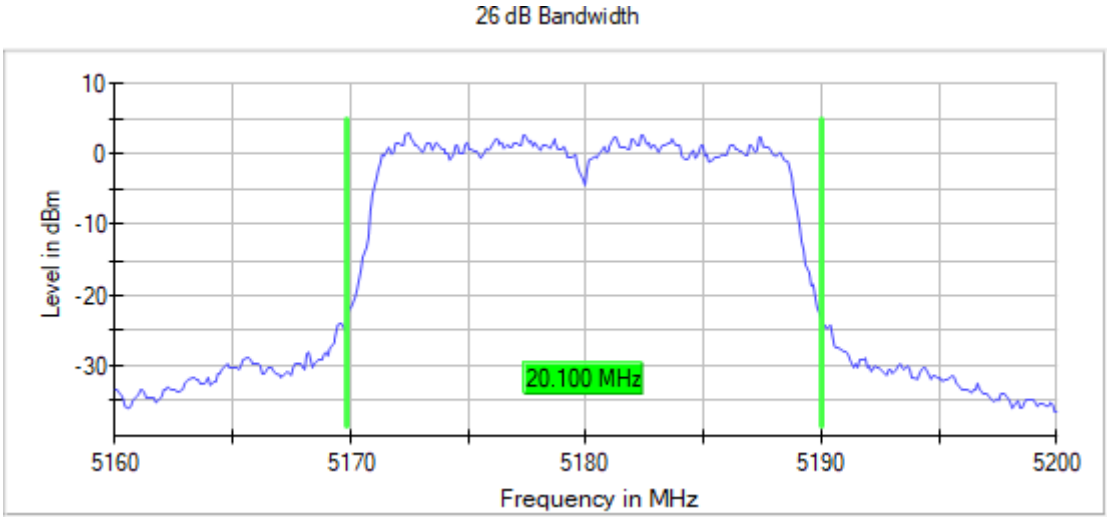
Attachments

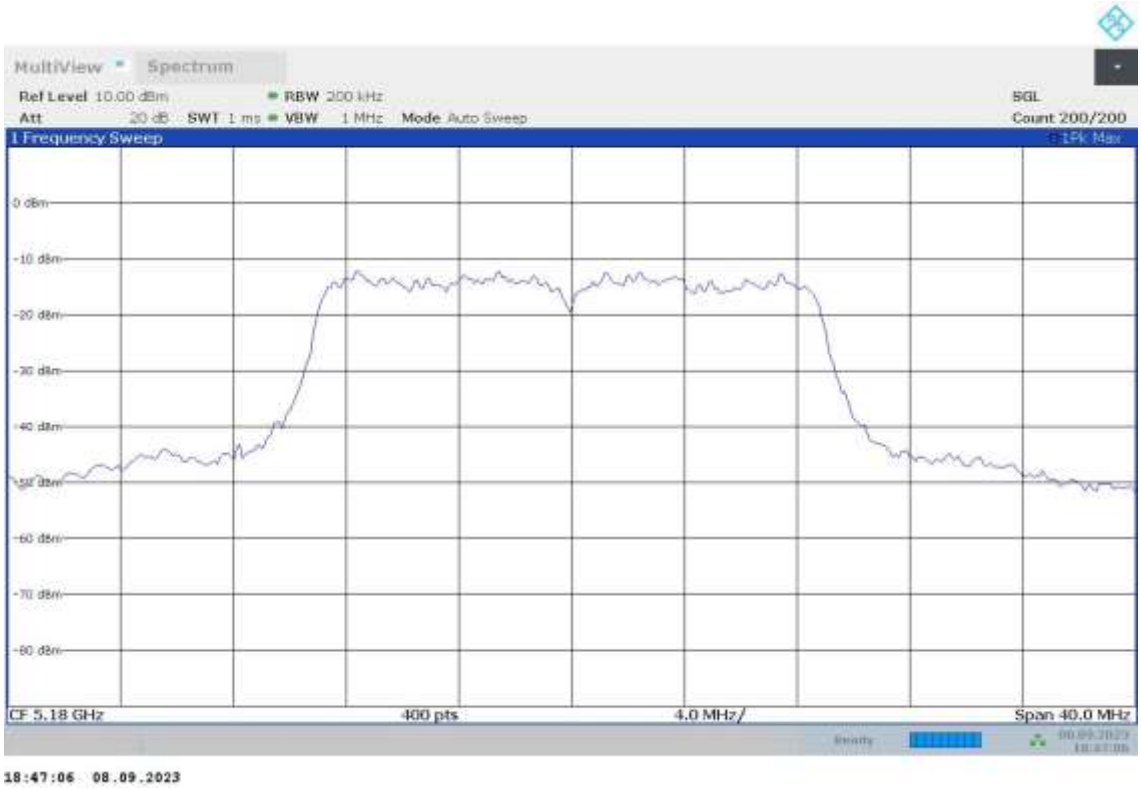
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



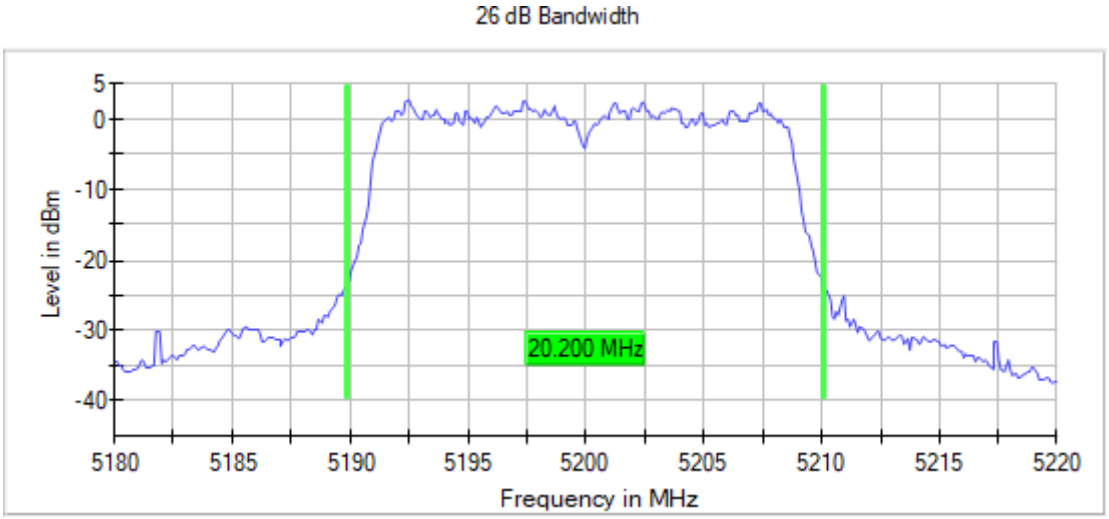


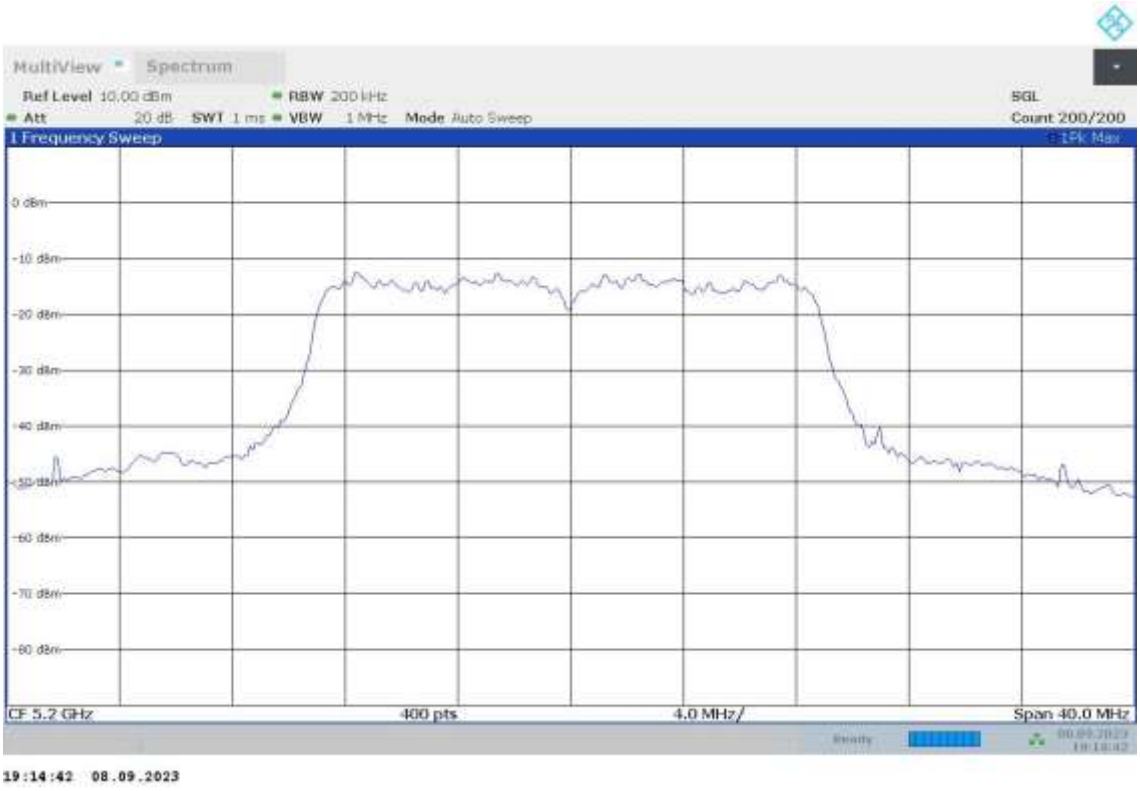
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5200.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



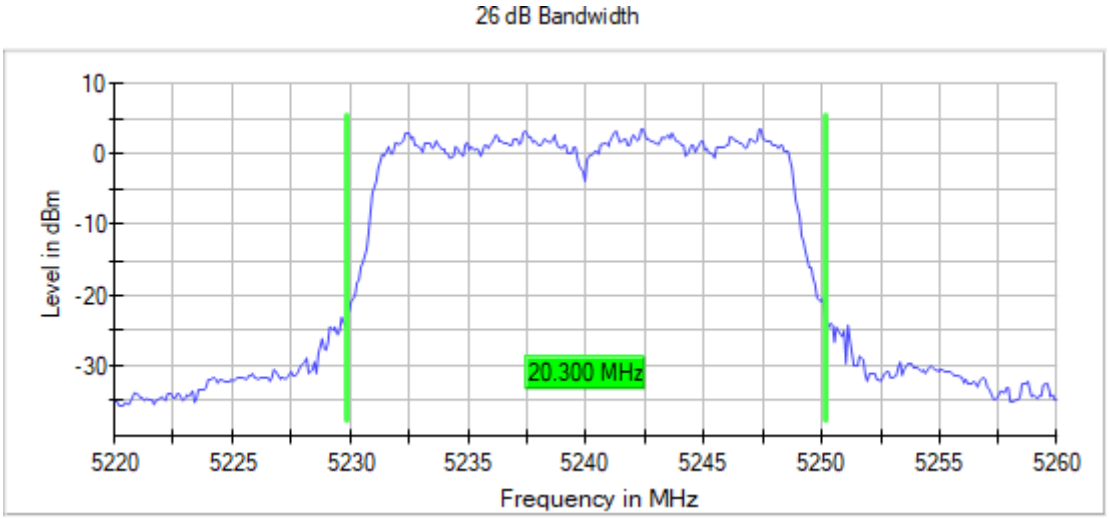


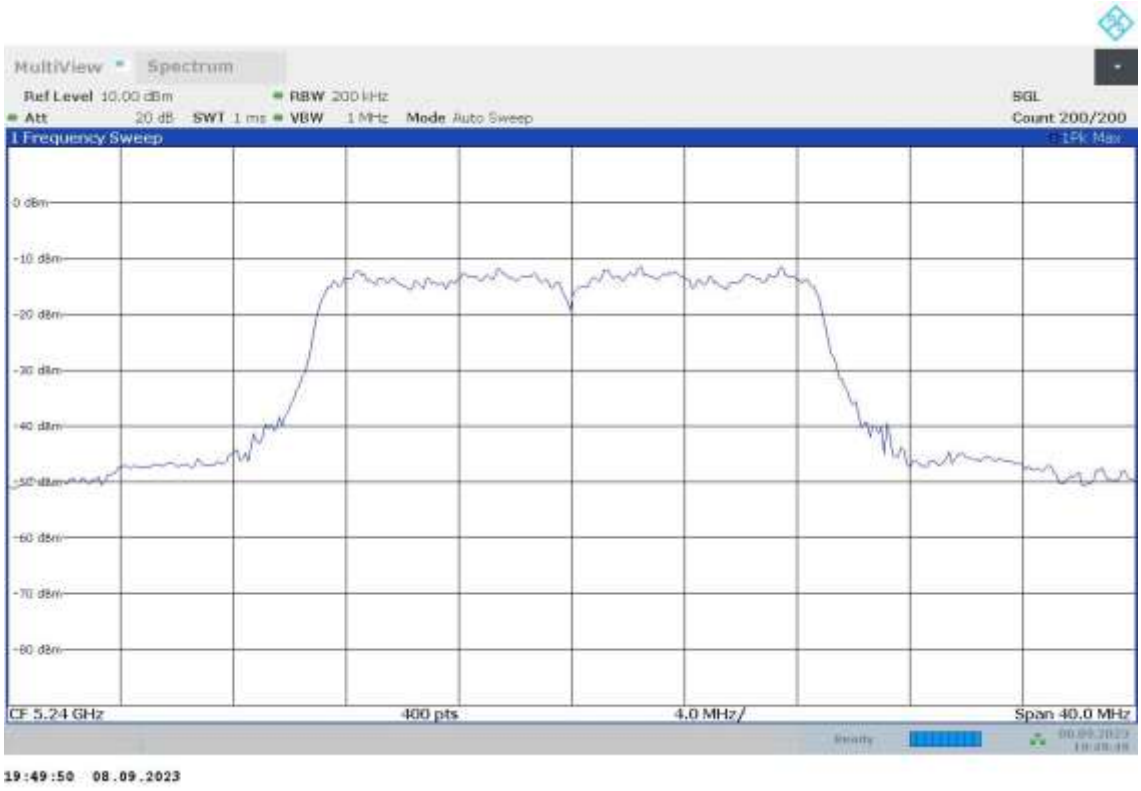
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5240.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



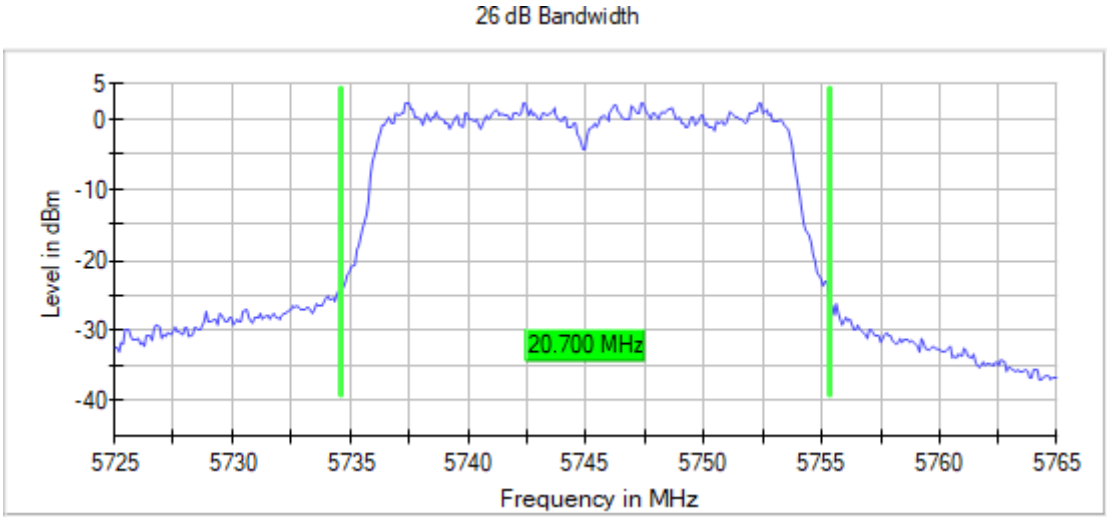


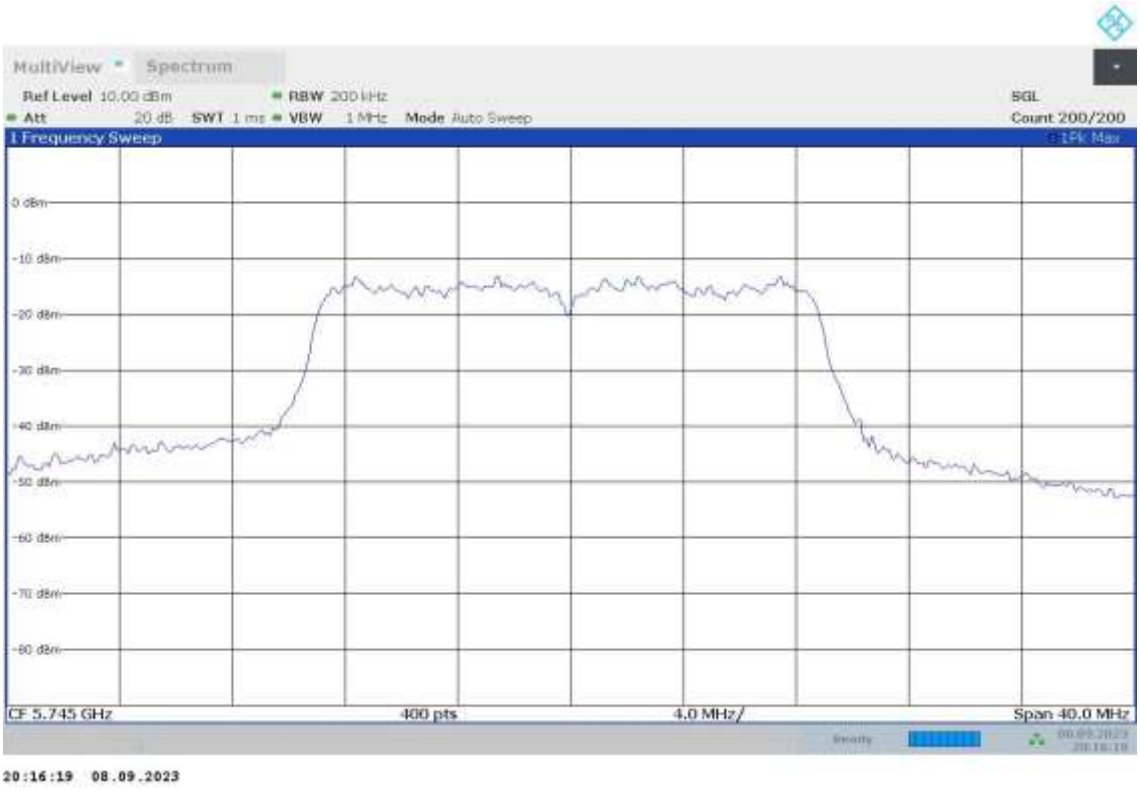
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5745.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



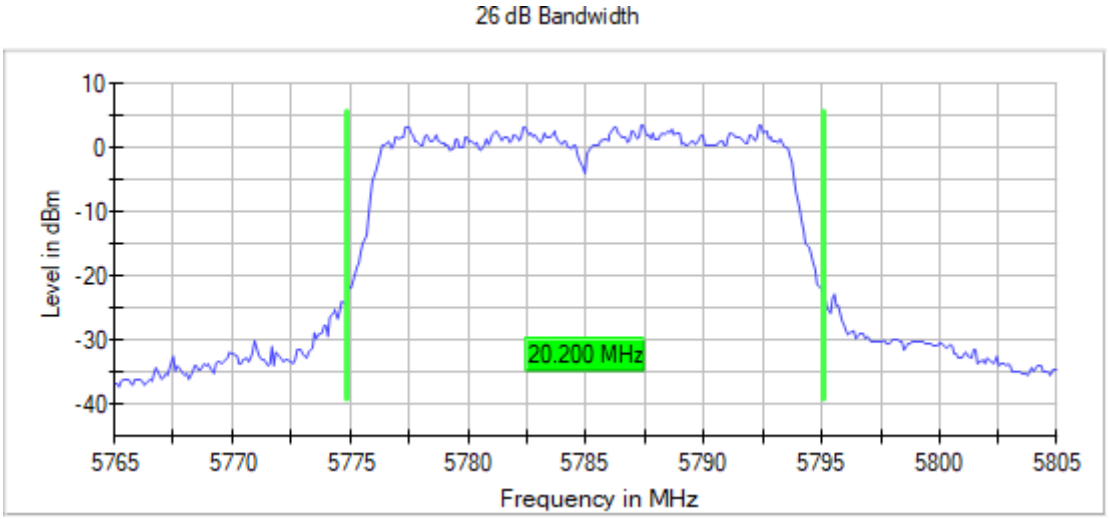


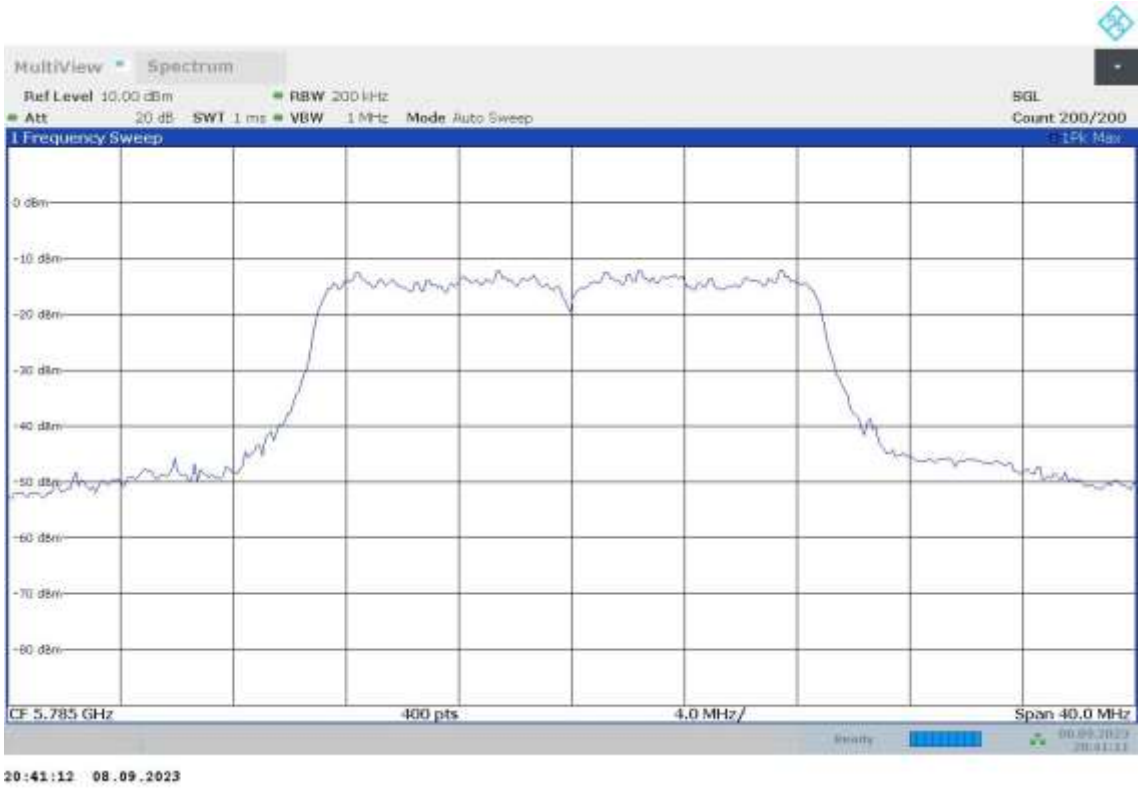
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:



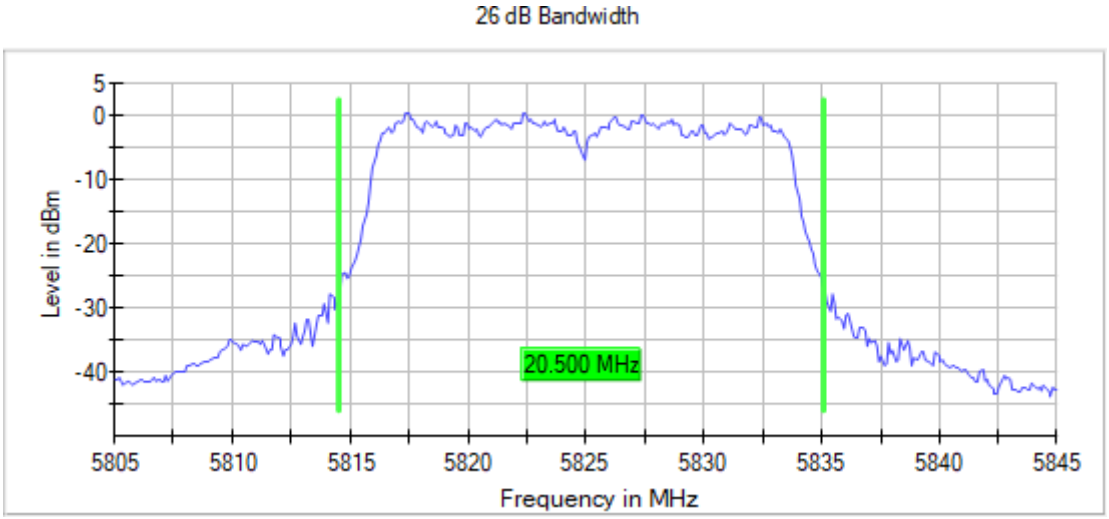


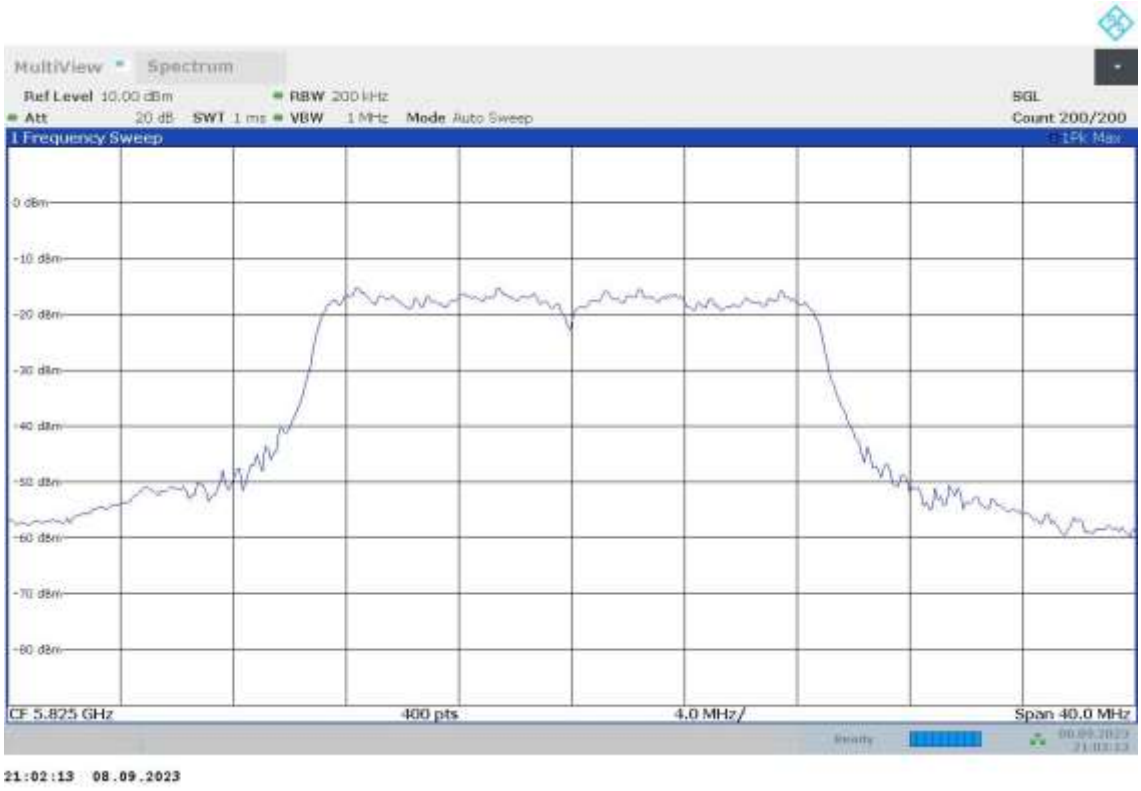
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11n HT20 (OFDM MCS0)

MIMO Mode = SISO

Images:





Modulation: 802.11n HT40 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5190.00000	42.477
		5230.00000	41.426
		5755.00000	52.983
		5795.00000	41.576

Verdict

Pass

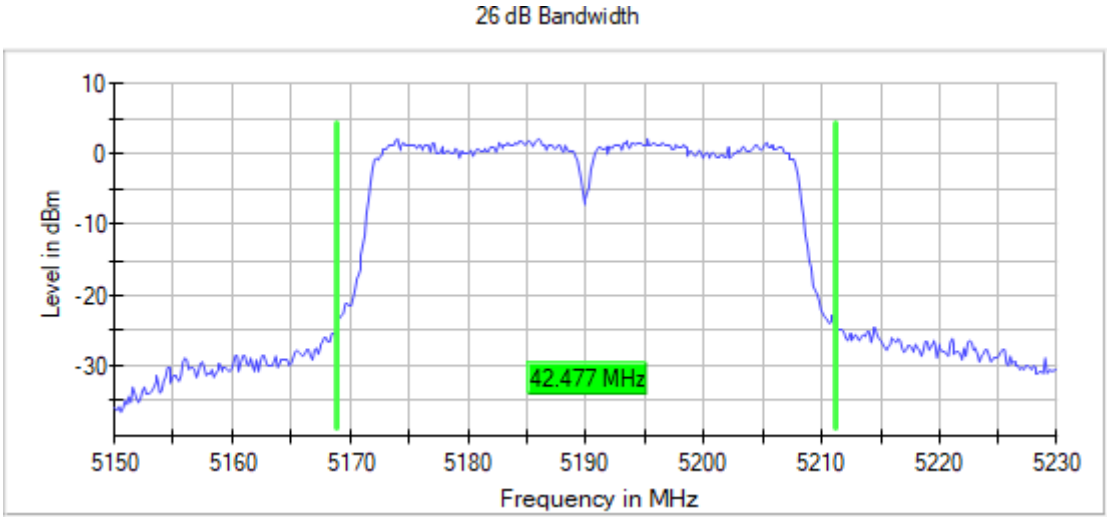
Attachments

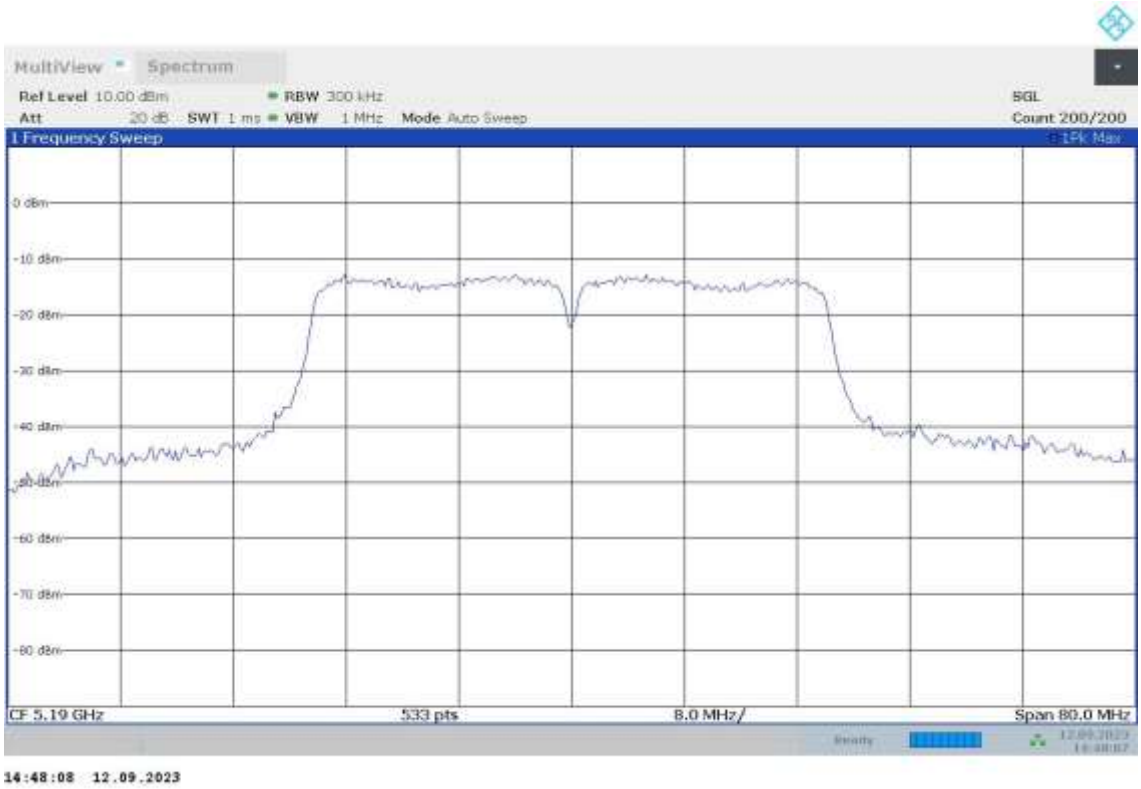
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5190.00000 Modulation = 802.11n HT40 (OFDM MCS0)

MIMO Mode = SISO

Images:



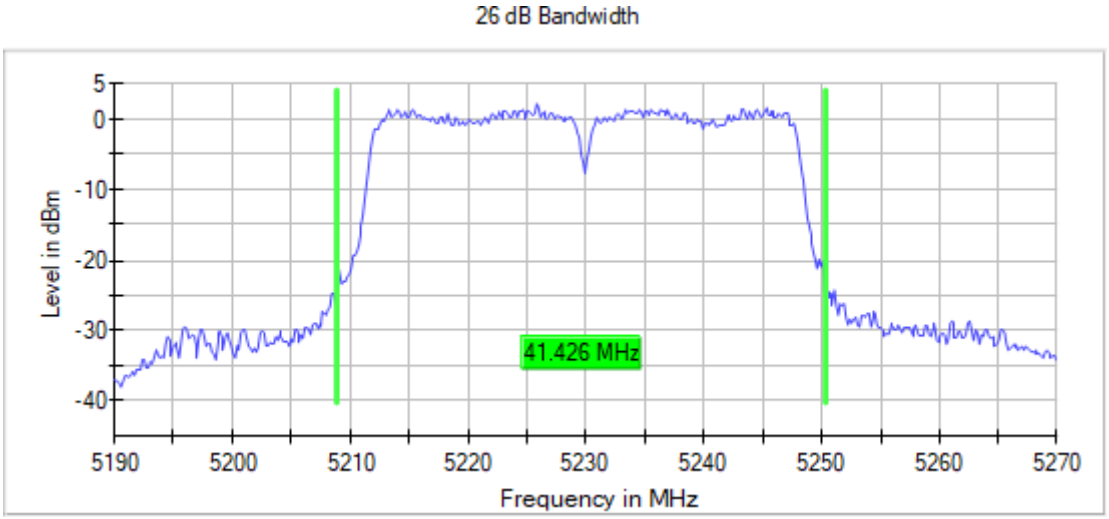


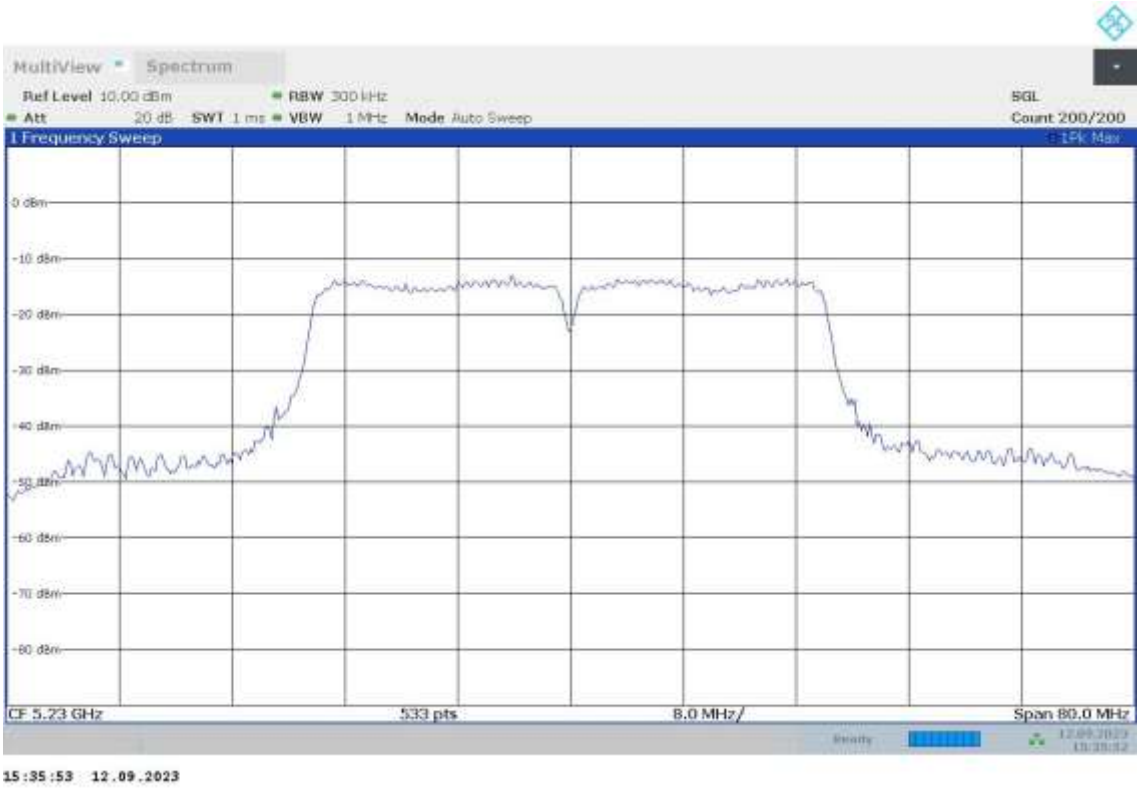
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5230.00000 Modulation = 802.11n HT40 (OFDM MCS0)

MIMO Mode = SISO

Images:



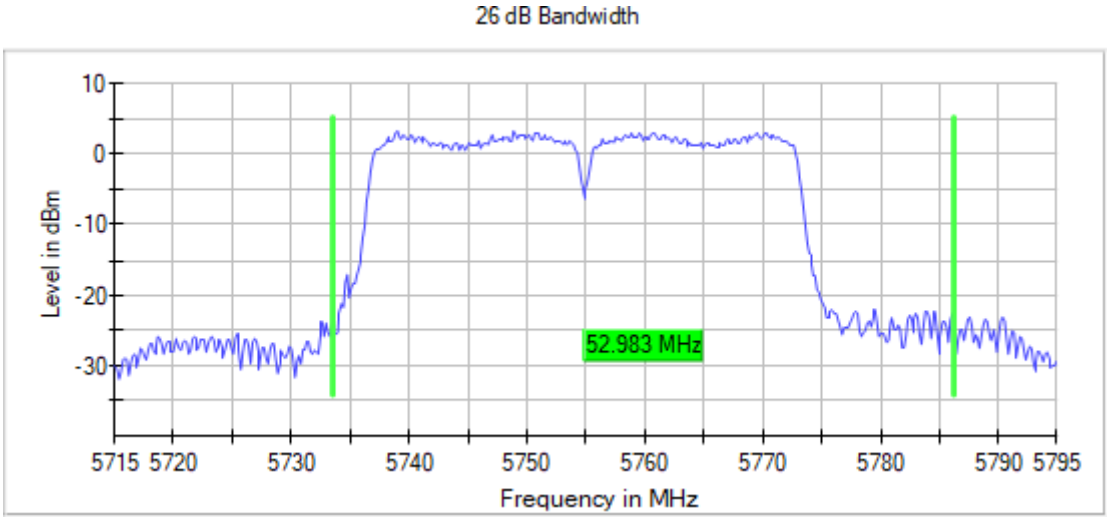


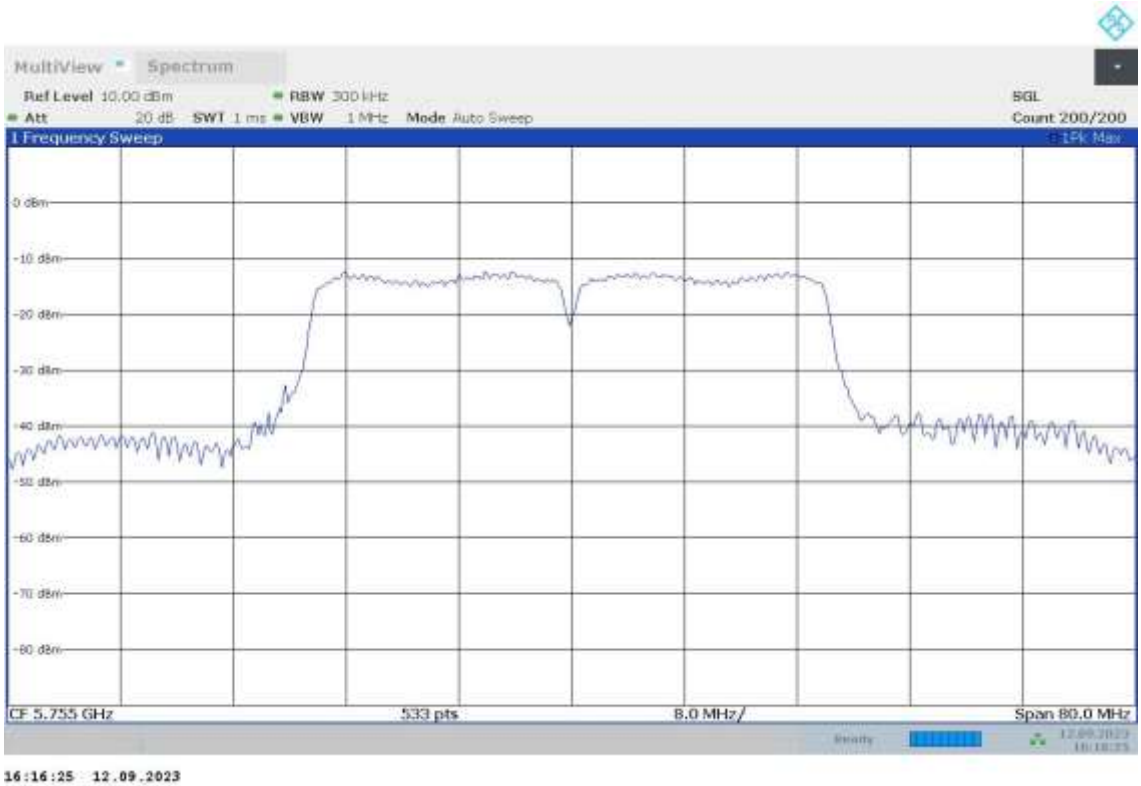
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000 Modulation = 802.11n HT40 (OFDM MCS0)

MIMO Mode = SISO

Images:



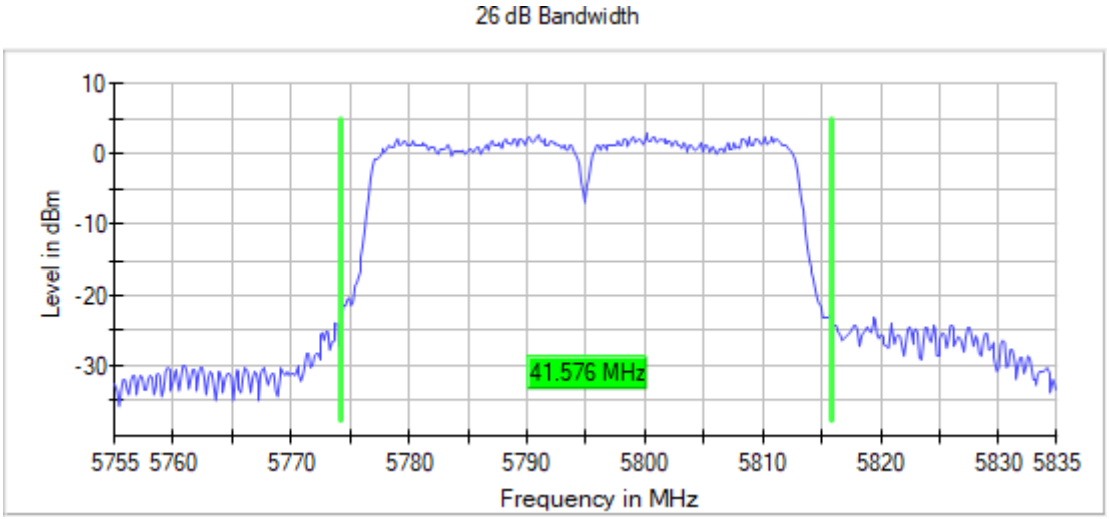


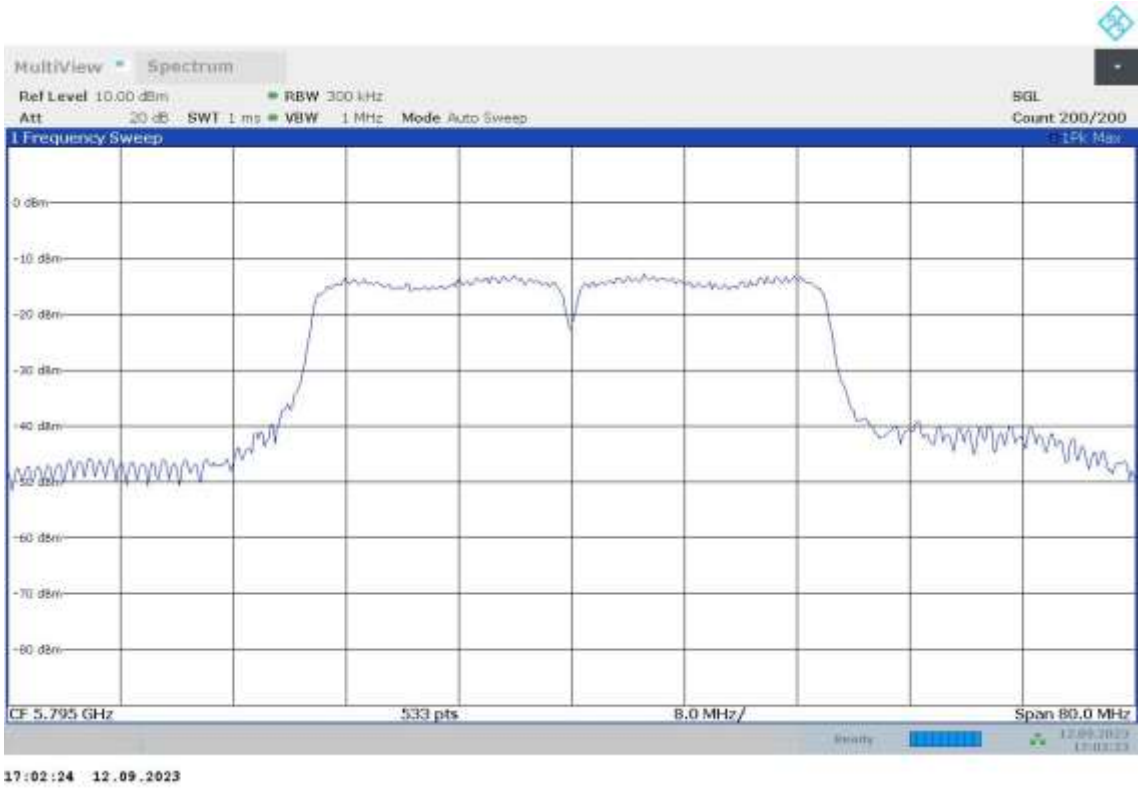
Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000 Modulation = 802.11n HT40 (OFDM MCS0)

MIMO Mode = SISO

Images:





FCC 15.407 (b), 15.205 & 15.209 / RSS-Gen 8.9 & 8.10 Undesirable radiated emissions

Limits

For transmitters operating in the 5.725–5.85 GHz band:
All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)):

Frequency Range (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 25000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

Verdict

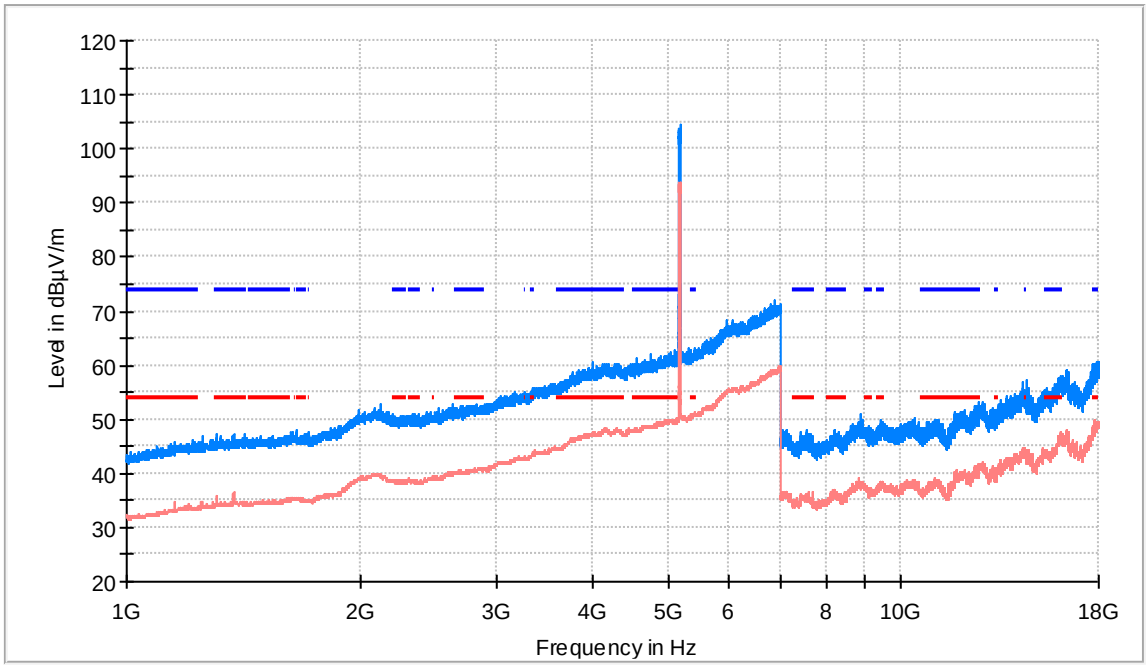
Pass

The following tables and plots show the results for the worst case with the use of the BTWLAN Antenna.

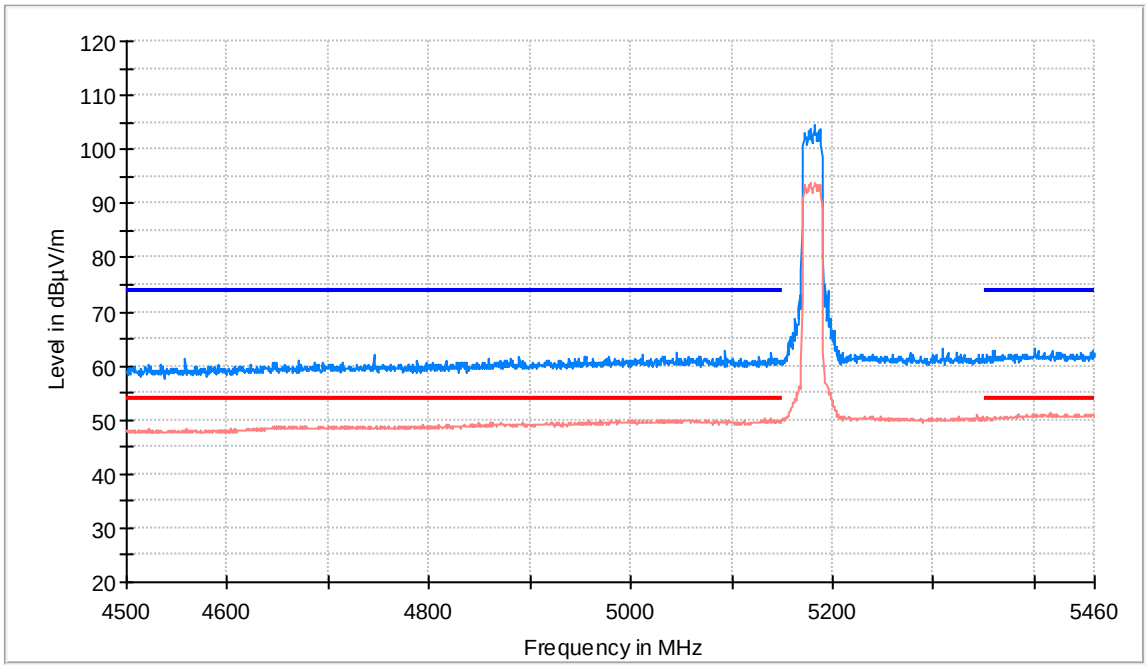
UNII-1:
Frequency range 1 - 18 GHz

Frequency Range GHz = [1, 18], Frequency MHz = 5180.00000, Modulation = 802. 11ax VHT20 (OFDM MCS8), Mode = SISO, Measurement Point = 1

Images:



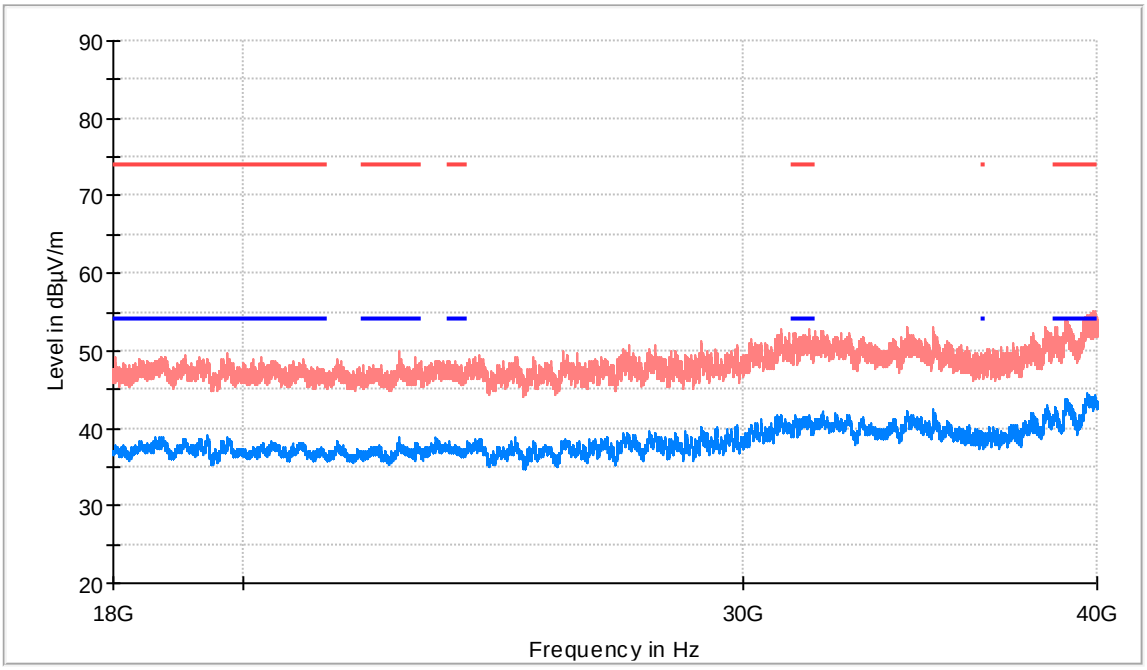
Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)	Comment
1375.000000	47.1	36.5	H	17.5	54.0	
5178.000000	103.7	93.7	H	---	---	Fundamental
11769.000000	49.6	40.7	H	13.3	54.0	



PK+_MAXH
TX limits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands PK Limit
TX limits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands AVG Limit
AVG_MAXH

Frequency Range GHz = [18, 40], Frequency MHz = 5180.00000, Modulation = 802. 11ax VHT20 (OFDM MCS8), Mode = SISO, Measurement Point = 1

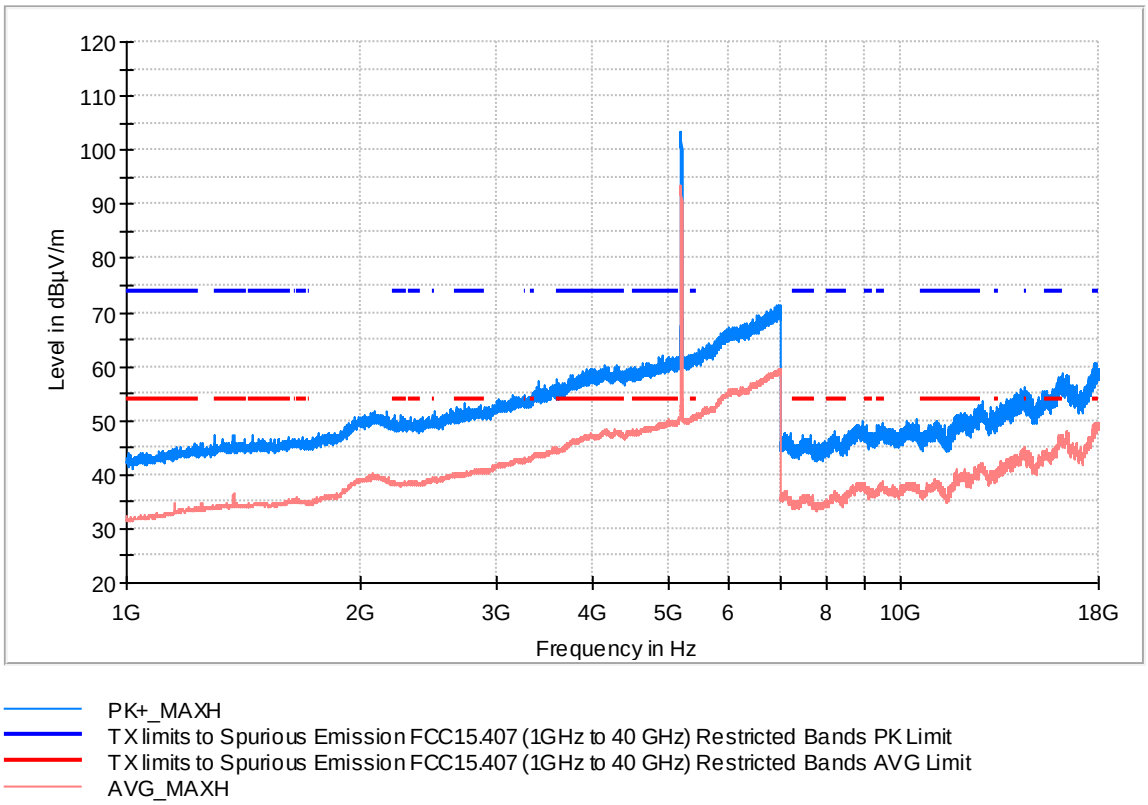
Images:



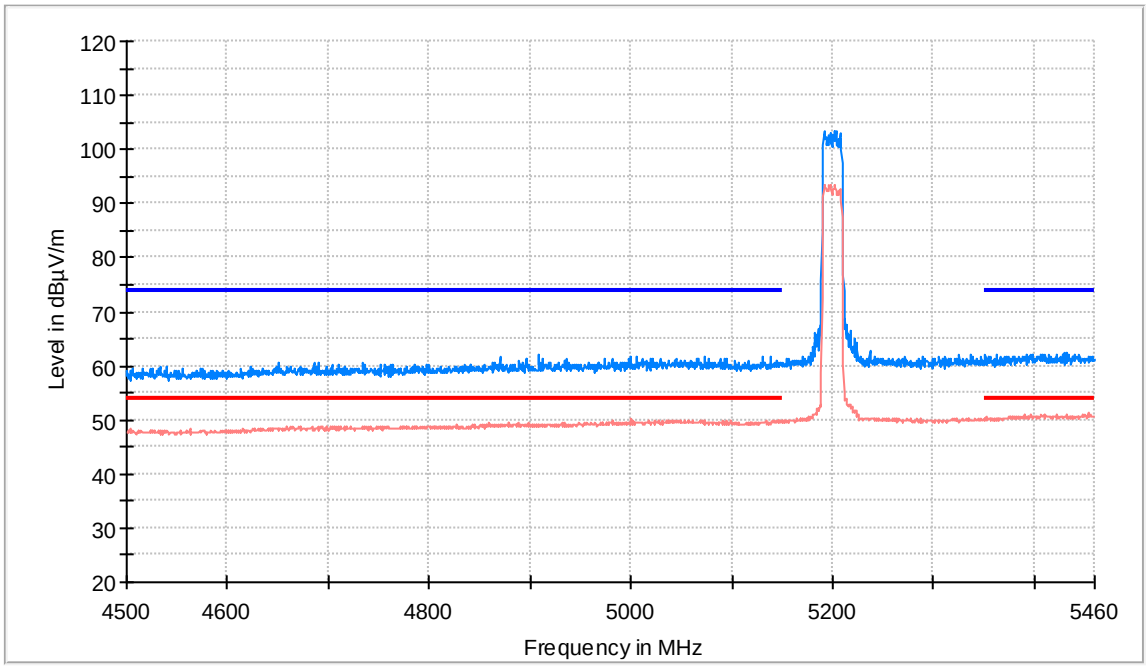
Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)
22705.250000	47.7	38.8	H	15.2	54.0
31687.437500	50.9	41.6	H	12.4	54.0
39920.250000	55.1	43.3	V	10.7	54.0

Frequency Range GHz = [1, 18], Frequency MHz = 5200.00000, Modulation = 802. 11ax VHT20 (OFDM MCS8), Mode = SISO, Measurement Point = 1

Images:



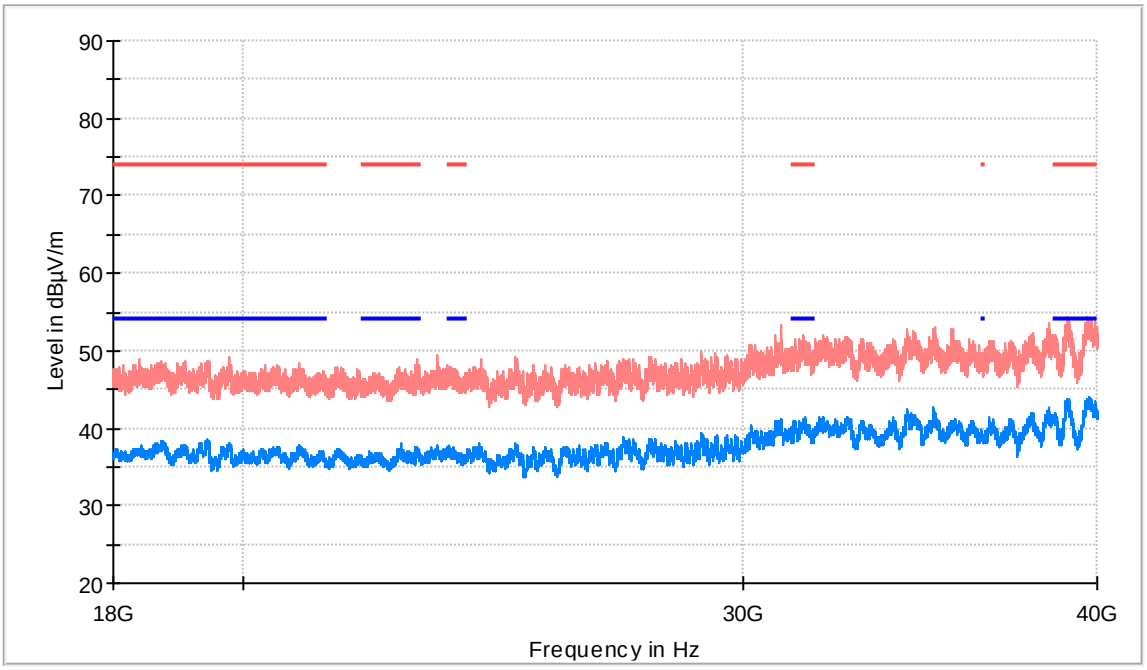
Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)	Comment
1375.000000	47.2	36.5	V	17.5	54.0	
5192.500000	102.7	93.6	H	---	---	Fundamental
8201.500000	46.7	37.0	H	17.0	54.0	



PK+_MAXH
TX limits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands PK Limit
TX limits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands AVG Limit
AVG_MAXH

Frequency Range GHz = [18, 40], Frequency MHz = 5200.00000, Modulation = 802. 11ax VHT20 (OFDM MCS8), Mode = SISO, Measurement Point = 1

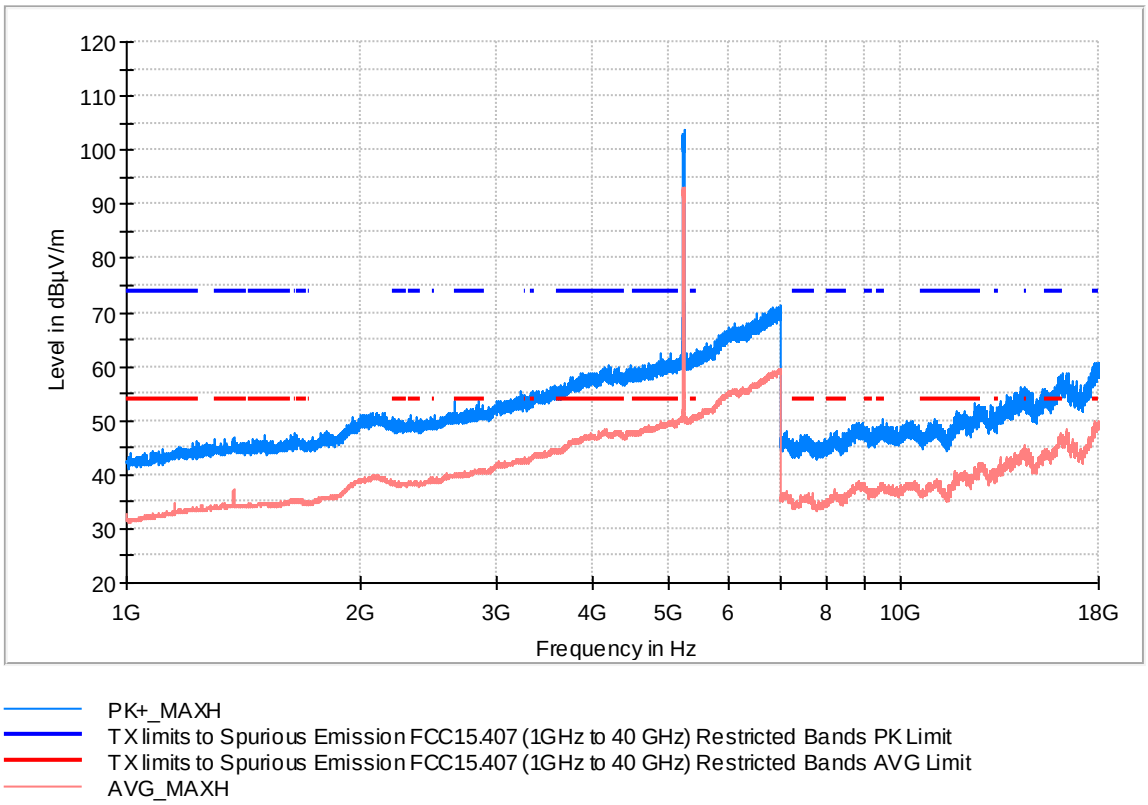
Images:



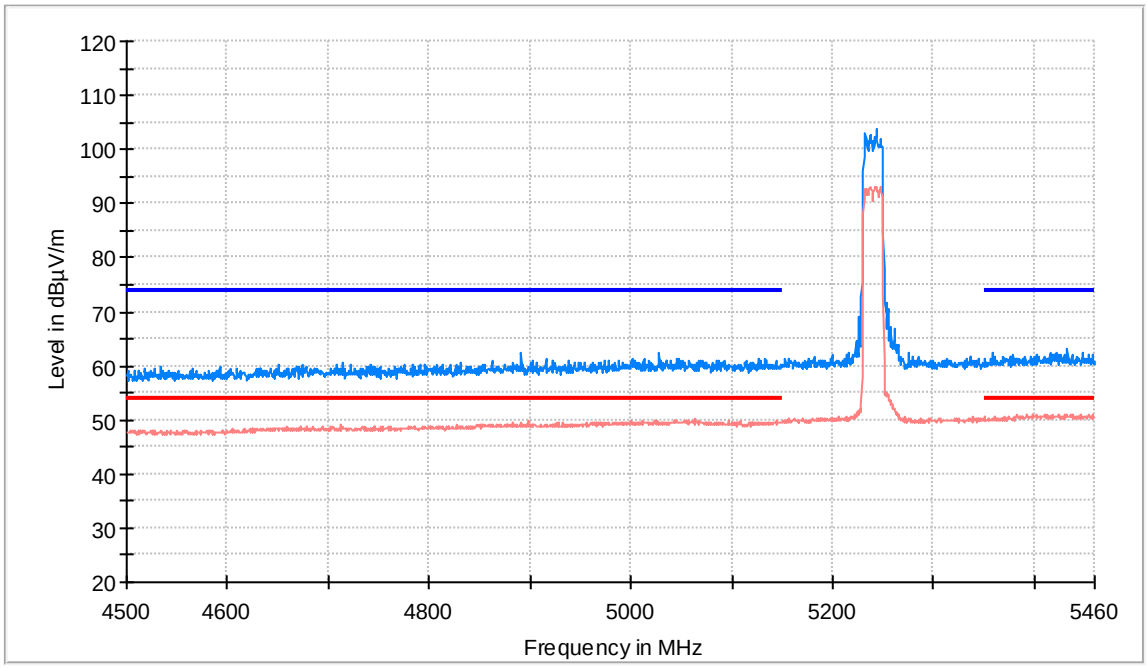
Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19777.187500	49.1	37.9	V	16.1	54.0
31538.250000	50.5	41.3	V	12.7	54.0
39061.562500	54.3	42.8	V	11.2	54.0

Frequency Range GHz = [1, 18], Frequency MHz = 5240.00000, Modulation = 802. 11ax VHT20 (OFDM MCS8), Mode = SISO, Measurement Point = 1

Images:



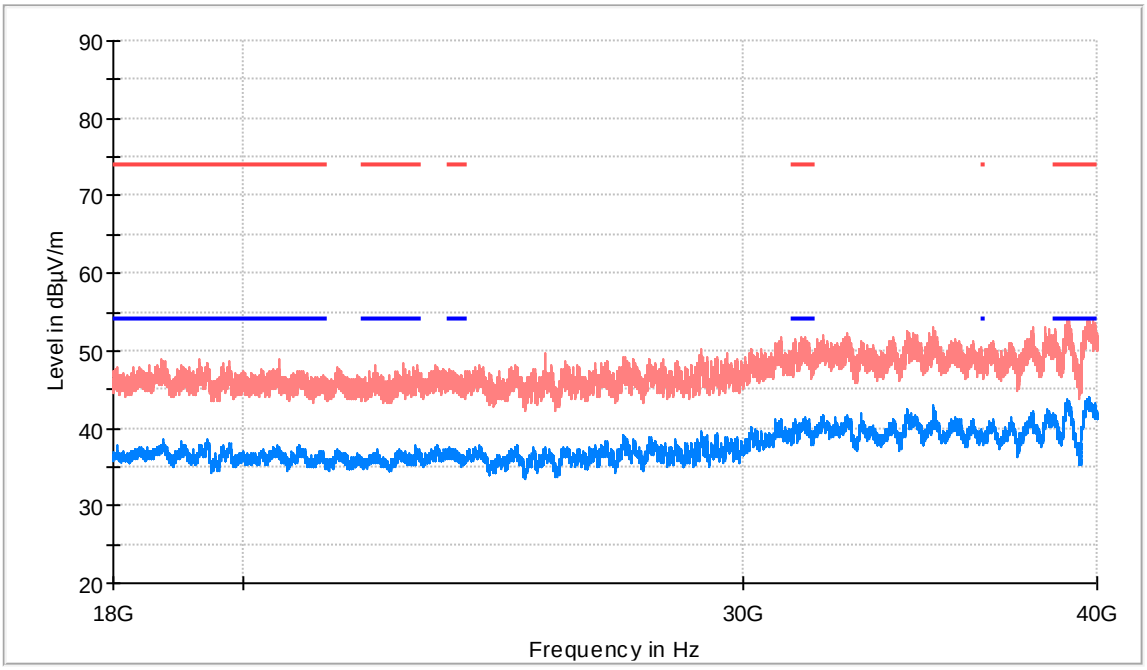
Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)	Comment
1375.000000	46.8	37.2	V	16.8	54.0	
5242.500000	101.6	93.1	H	---	---	Fundamental
12481.500000	51.5	41.5	H	12.5	54.0	



PK+_MAXH
TX limits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands PK Limit
TX limits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands AVG Limit
AVG_MAXH

Frequency Range GHz = [18, 40], Frequency MHz = 5240.00000, Modulation = 802. 11ax VHT20 (OFDM MCS8), Mode = MIMO, Measurement Point = 1

Images:



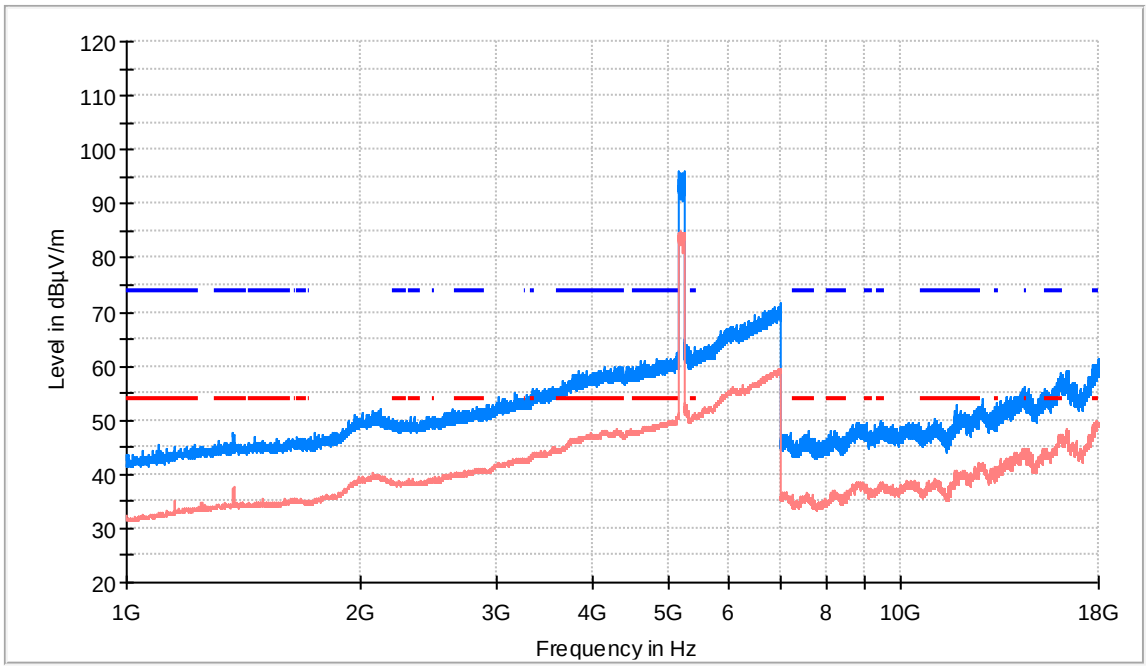
Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19305.562500	49.0	37.7	V	16.3	54.0
31547.875000	49.3	41.3	H	12.7	54.0
39032.000000	54.1	43.2	V	10.8	54.0

Frequency range 1 - 18 GHz

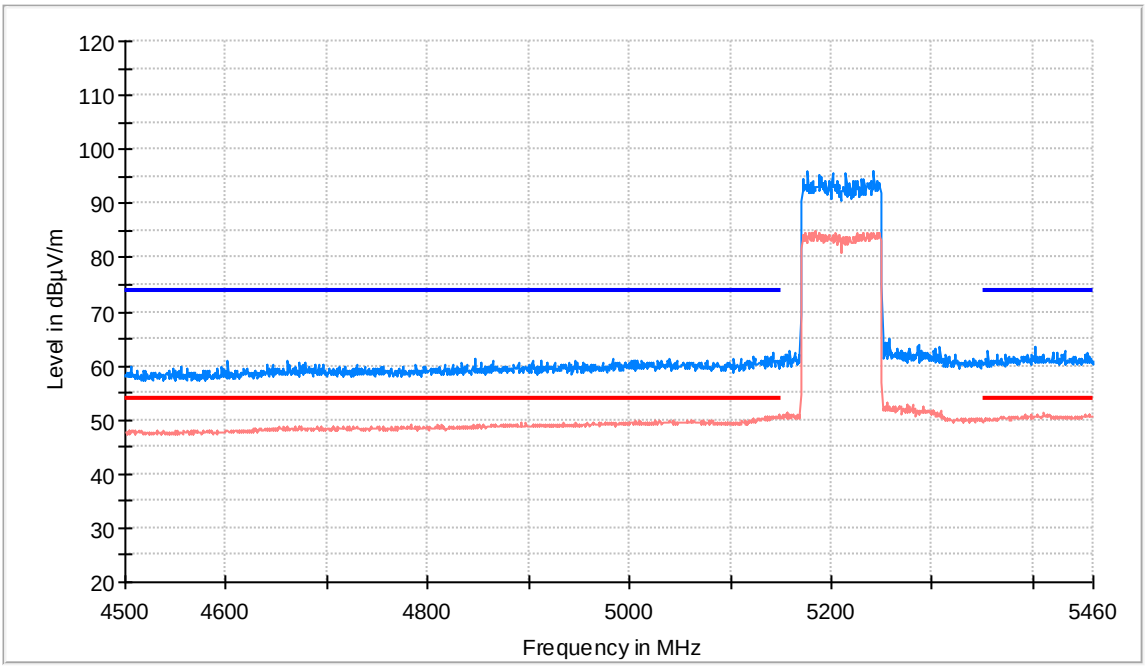
Lowest Channel

Frequency Range GHz = [1, 18], Frequency MHz = 5210.00000, Modulation = 802.11ax VHT80 SS1 (OFDM MCS9), MODE = SISO, Measurement Point = 3

Images:



Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)	Comment
1375.00000	47.4	37.7	V	16.3	54.0	
5205.00000	92.5	84.6	H	---	---	Fundamental
11770.5000	50.4	40.6	V	13.4	54.0	



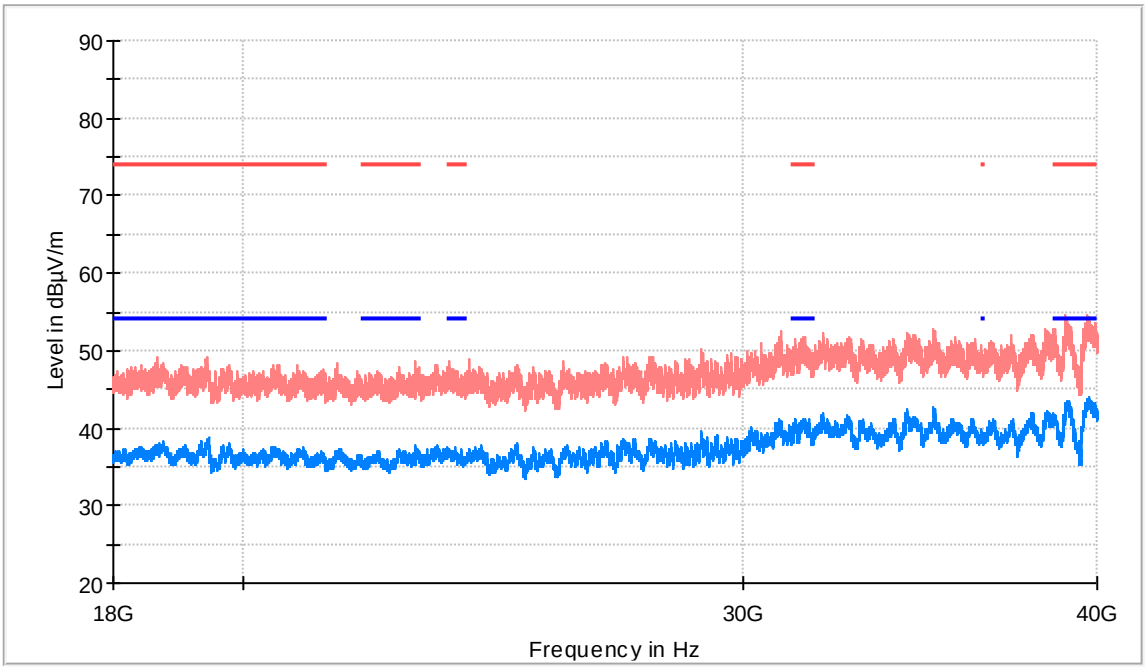
PK+_MAXH
TX limits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands PK Limit
TX limits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands AVG Limit
AVG_MAXH

Frequency range 18 - 40 GHz

Single Channel

Frequency Range GHz = [18, 40], Frequency MHz = 5210.00000, Modulation = 802.11ax VHT80 SS1 (OFDM MCS9), MODE = SISO, Measurement Point = 1

Images:



Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18660.000000	49.1	37.5	H	16.5	54.0
31310.687500	49.1	41.0	V	13.0	54.0
38992.812500	54.6	42.5	V	11.5	54.0

Appendix A.2: Test results – SISO B

Appendix A.2

TEST CASES DETAILS

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

Limits

FCC 15.407: For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

RSS-247: The maximum conducted output power shall not exceed 1 W.

Modulation: 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Maximum declared BTWLAN Antenna gain: 3.8 dBi for UNI-1, 3.5 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5180.00000	15.0	18.8
		5200.00000	15.2	19.0
		5240.00000	13.8	17.6
		5745.00000	12.1	15.6
		5785.00000	11.0	14.5
		5825.00000	9.8	13.3

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 2.1 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5180.00000	15.0	17.0
		5200.00000	15.2	17.2
		5240.00000	13.8	15.8
		5745.00000	12.1	14.2
		5785.00000	11.0	13.1
		5825.00000	9.8	11.9

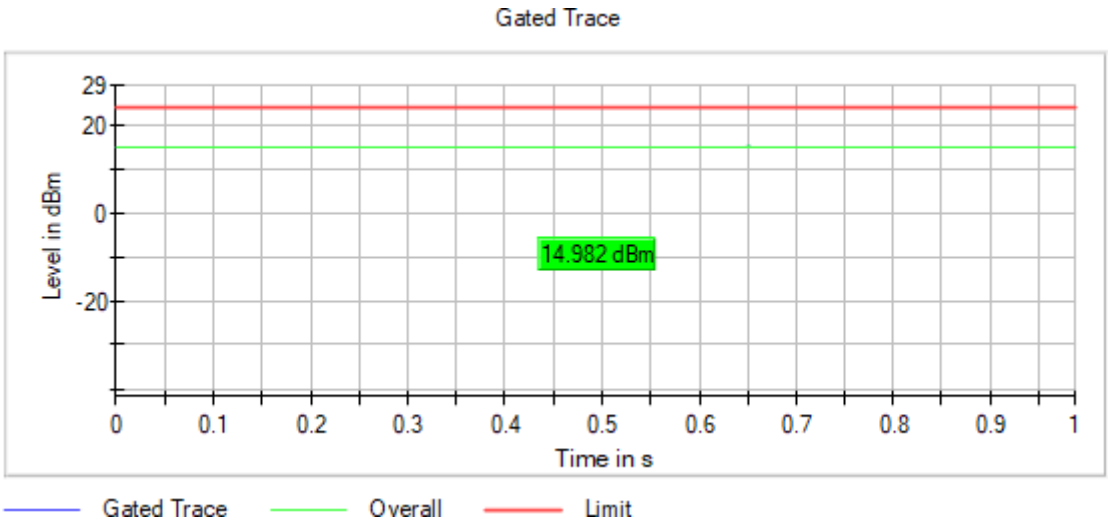
Verdict

Pass

Attachments

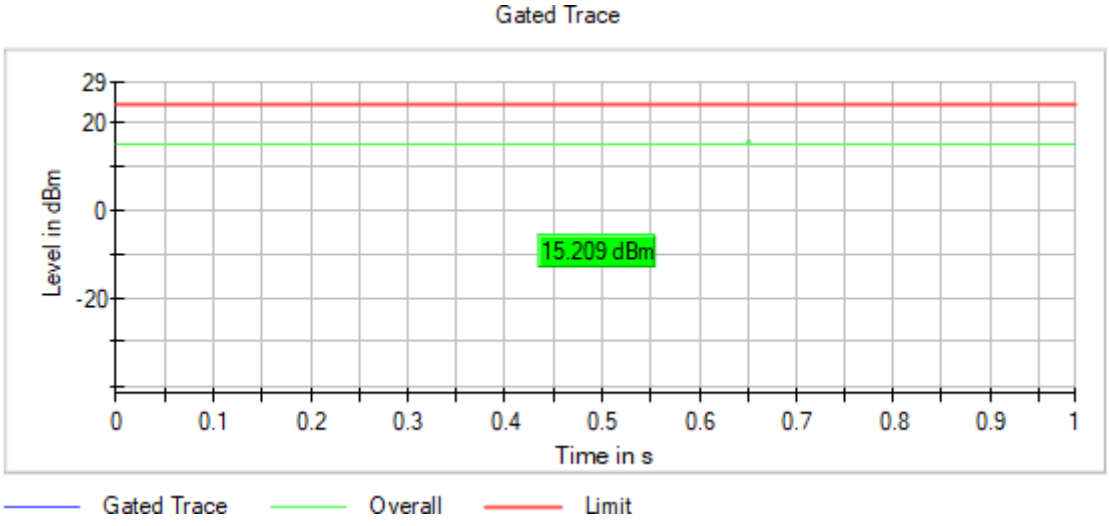
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5180.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:



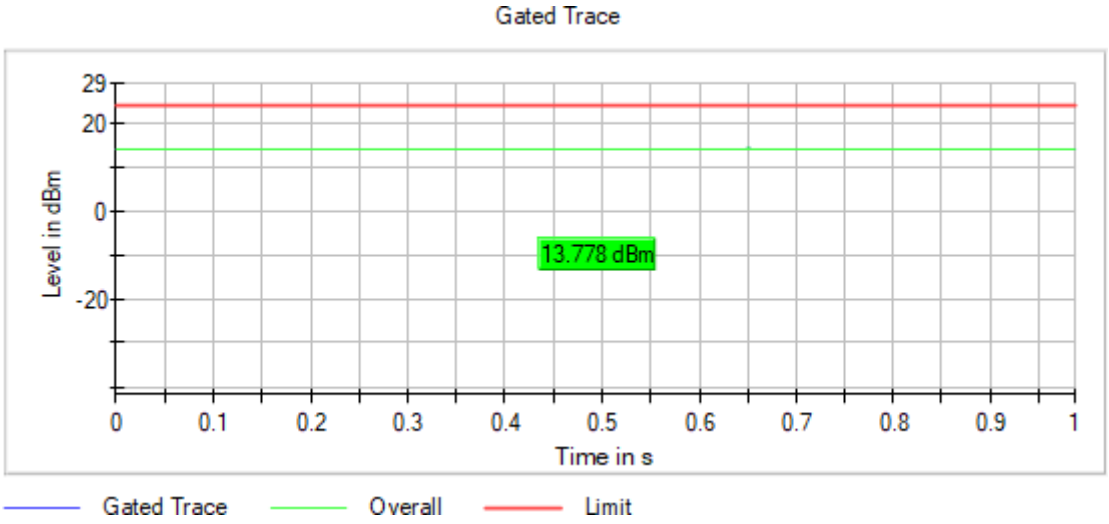
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5200.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:



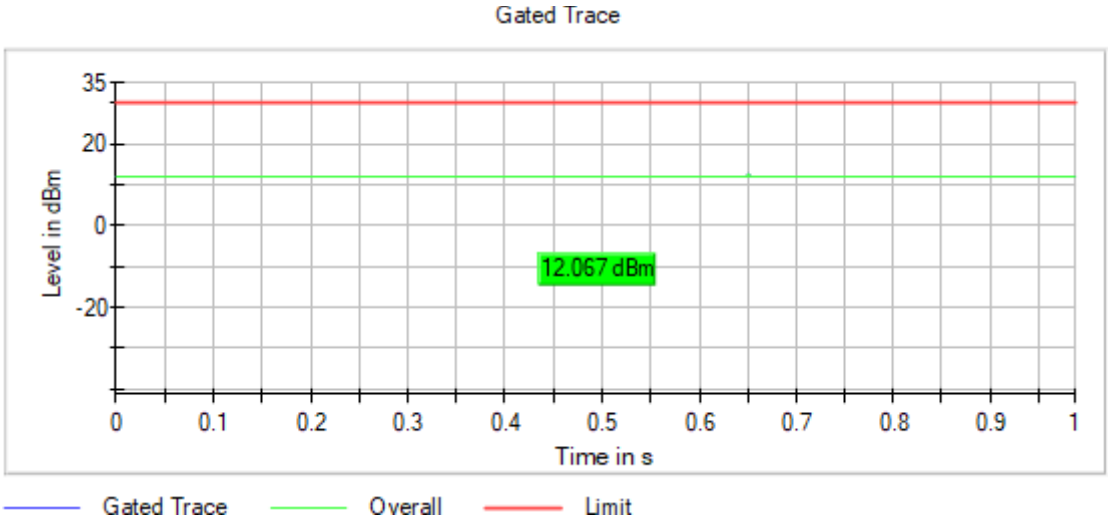
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5240.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:



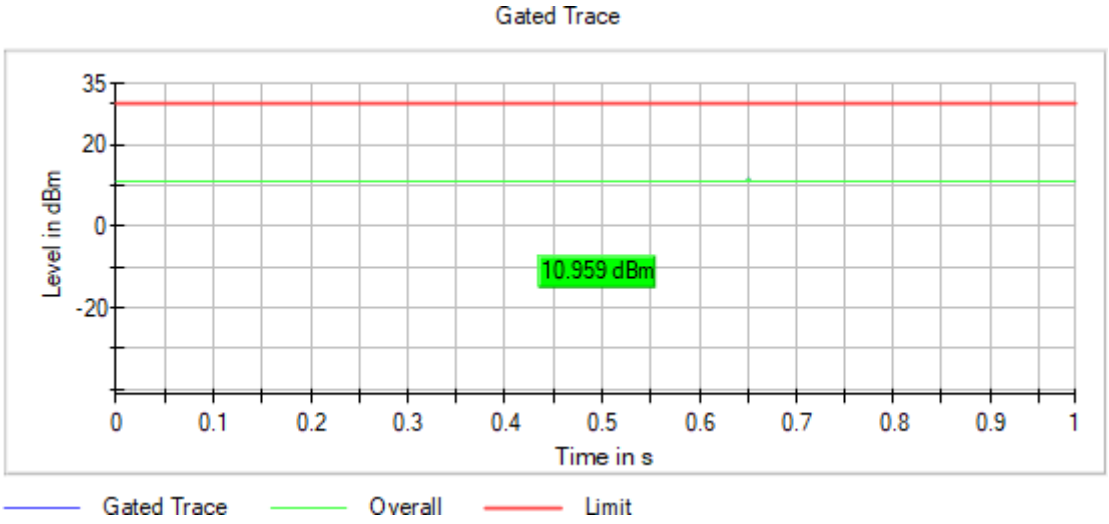
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5745.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:



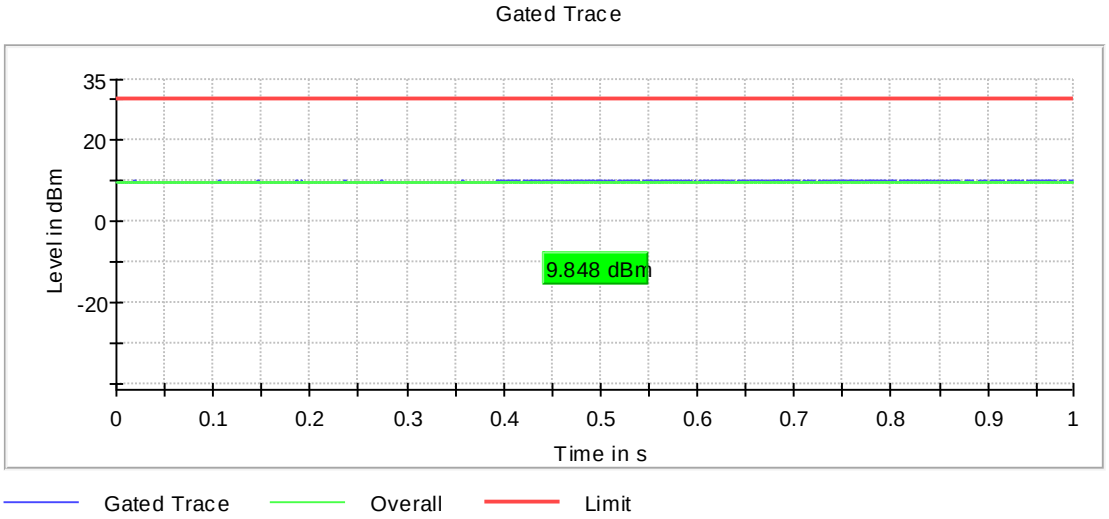
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5785.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5825.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:



Tables:
Power Meter Settings

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: 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Maximum declared BTWLAN Antenna gain: 3.8 dBi for UNI-1, 3.5 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5180.00000	15.1	18.9
		5200.00000	15.4	19.2
		5240.00000	14.0	17.8
		5745.00000	12.2	15.7
		5785.00000	11.2	14.7
		5825.00000	10.1	13.6

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 2.1 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5180.00000	15.1	17.1
		5200.00000	15.4	17.4
		5240.00000	14.0	16.0
		5745.00000	12.2	14.3
		5785.00000	11.2	13.3
		5825.00000	10.1	12.2

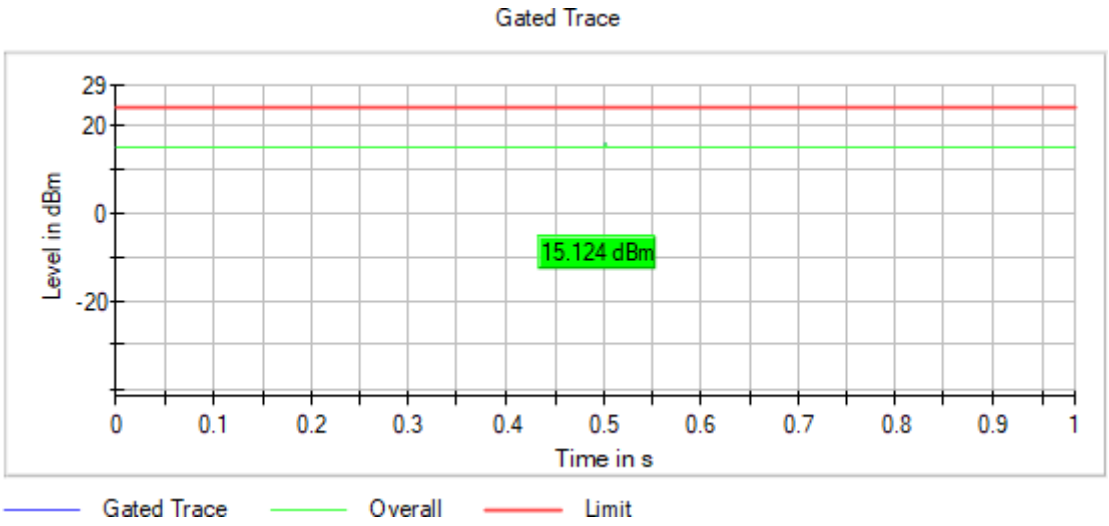
Verdict

Pass

Attachments

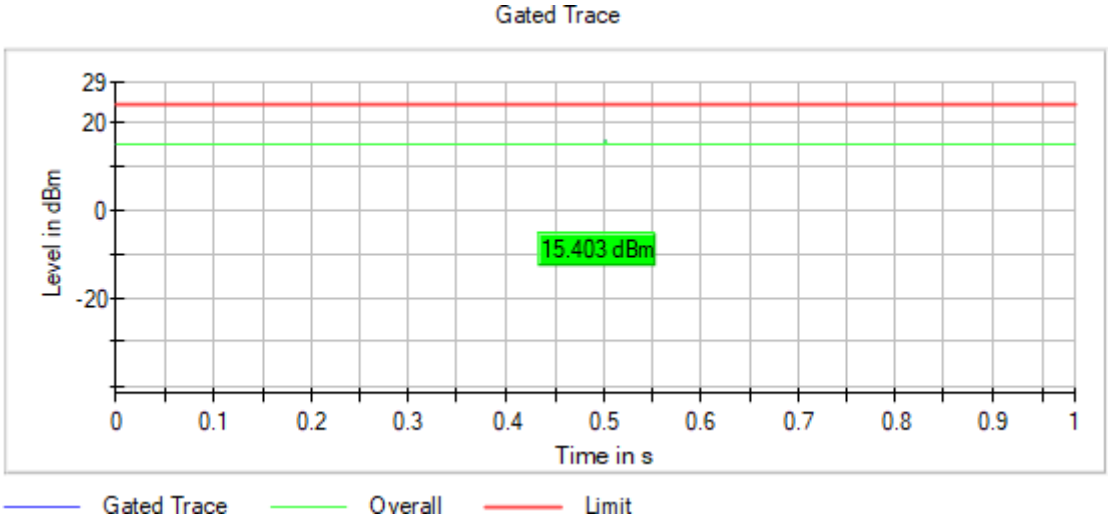
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5180.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:



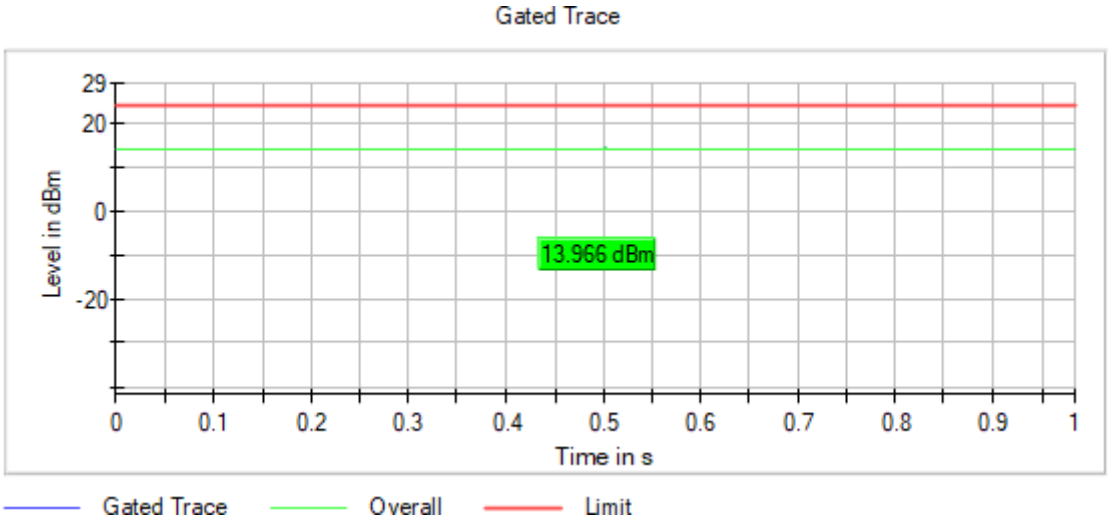
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5200.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:



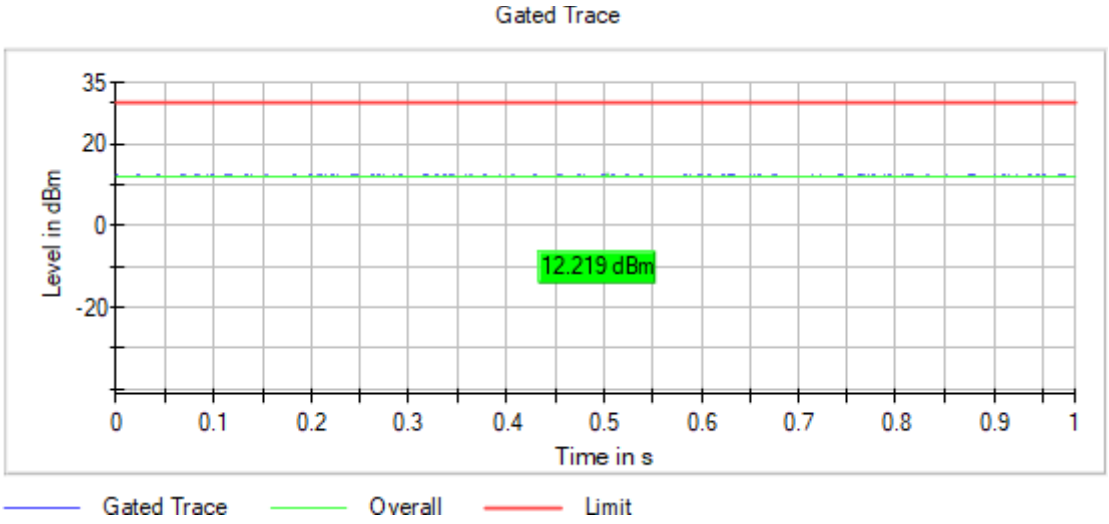
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5240.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:



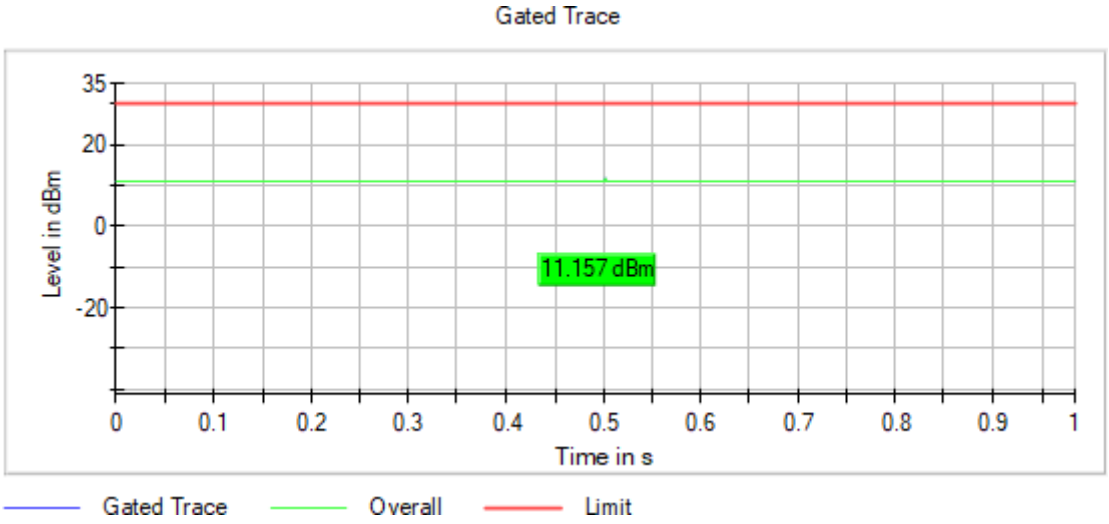
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5745.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:



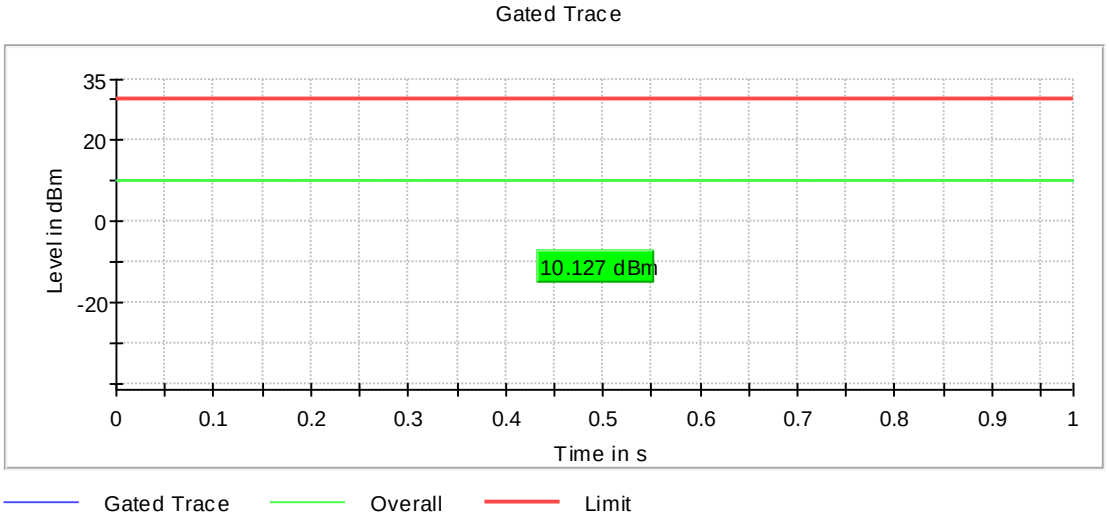
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5785.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5825.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:



Tables:
Power Meter Settings

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 VHT40 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Maximum declared BTWLAN Antenna gain: 3.8 dBi for UNI-1, 3.5 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5190.00000	14.9	18.7
		5230.00000	13.9	17.7
		5755.00000	13.1	16.6
		5795.00000	11.4	14.9

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 2.1 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5190.00000	14.9	16.9
		5230.00000	13.9	15.9
		5755.00000	13.1	15.2
		5795.00000	11.4	13.5

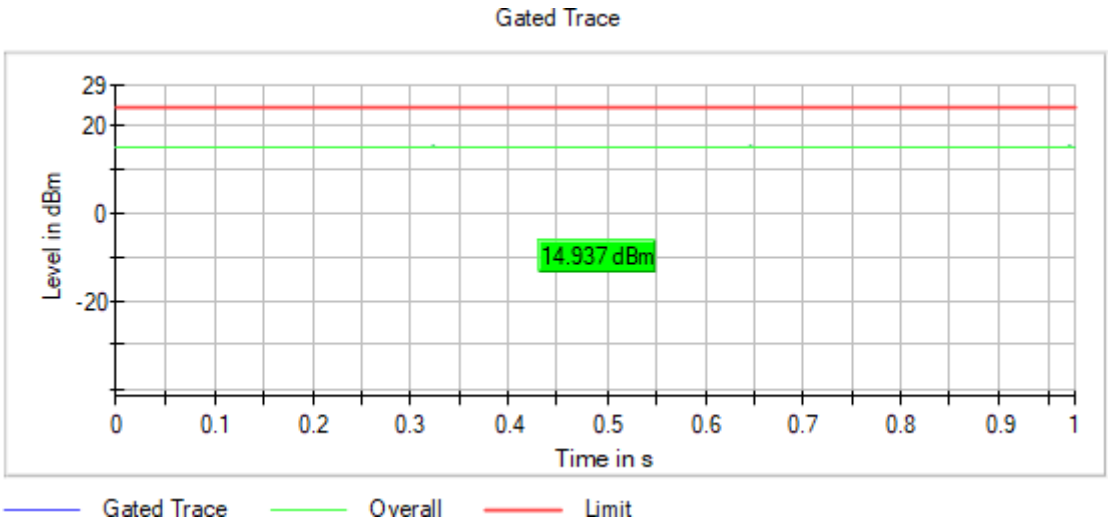
Verdict

Pass

Attachments

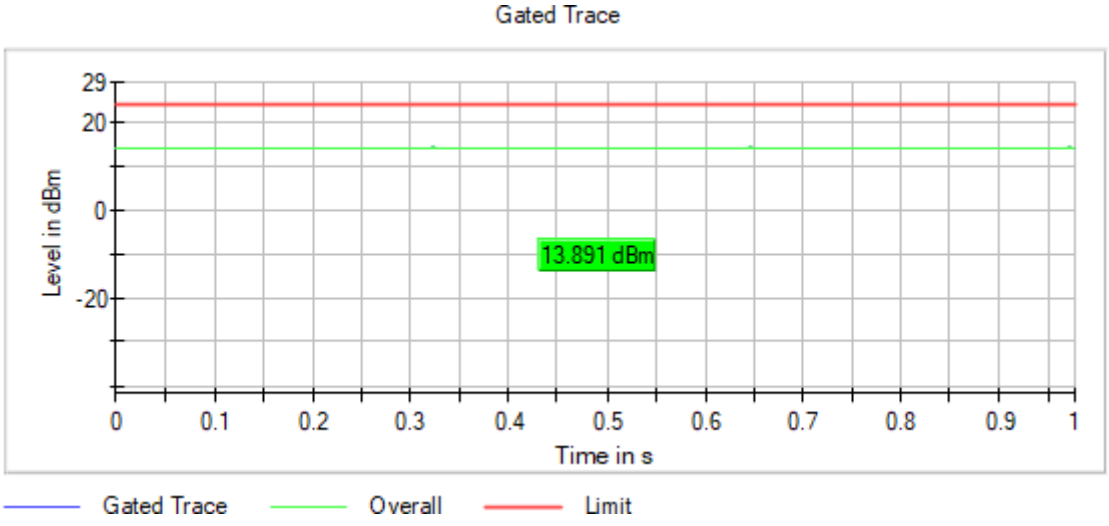
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5190.00000	Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5230.00000	Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:

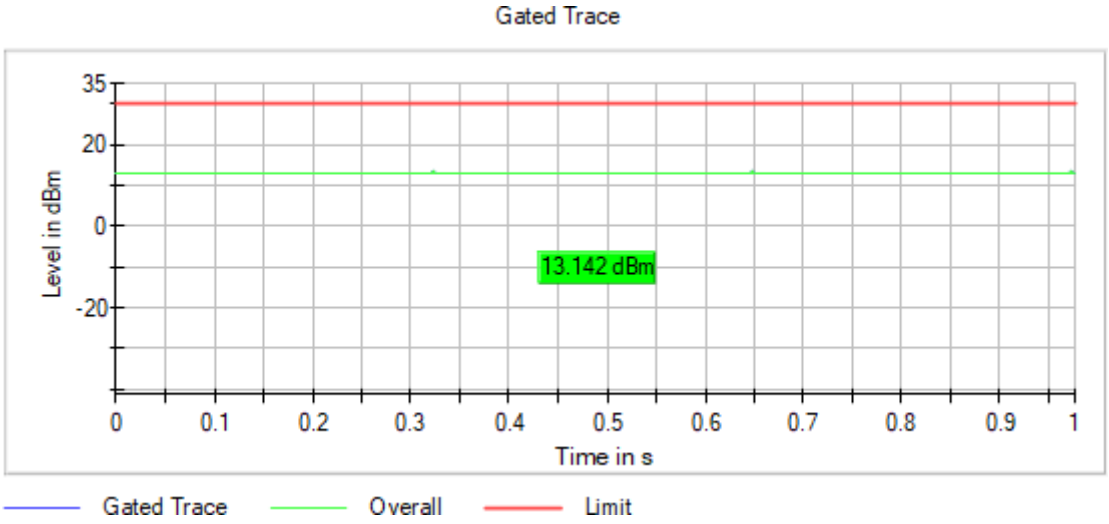


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:

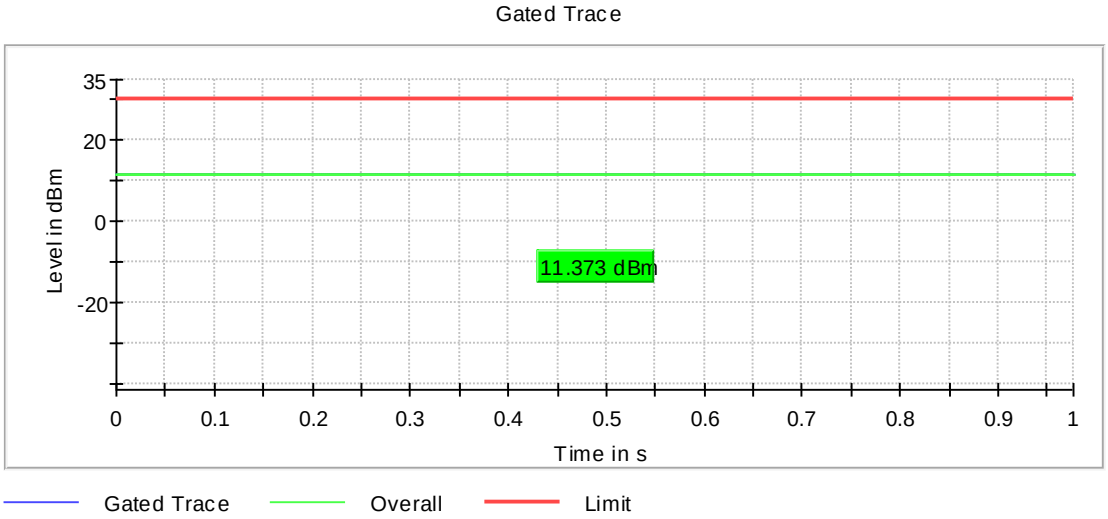


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000 Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:



Tables:
Power Meter Settings

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: 802.11ax HE40 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Maximum declared BTWLAN Antenna gain: 3.8 dBi for UNI-1, 3.5 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5190.00000	14.3	18.1
		5230.00000	13.3	17.1
		5755.00000	13.7	17.2
		5795.00000	11.7	15.2

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 2.1 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5190.00000	14.3	16.3
		5230.00000	13.3	15.3
		5755.00000	13.7	15.8
		5795.00000	11.7	13.8

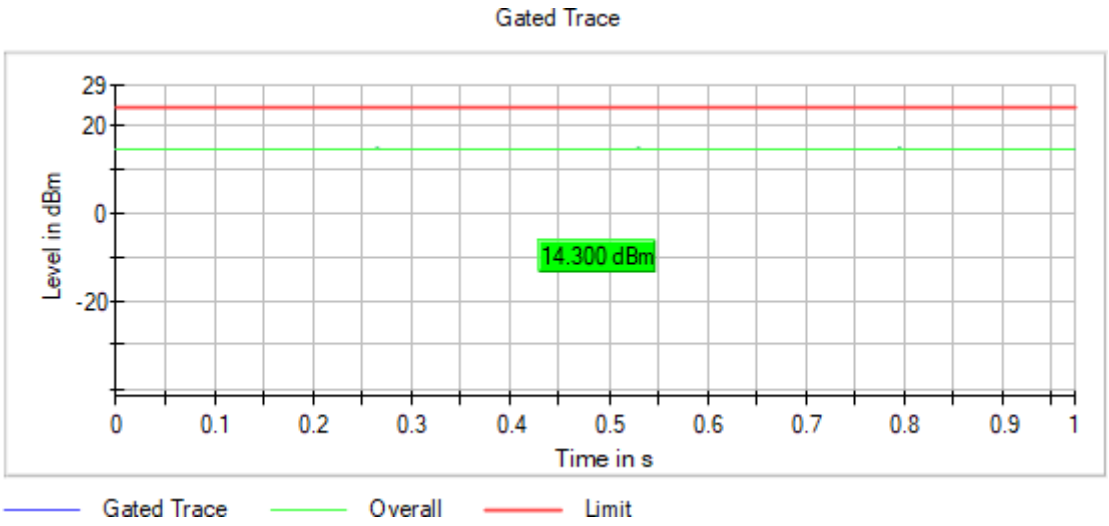
Verdict

Pass

Attachments

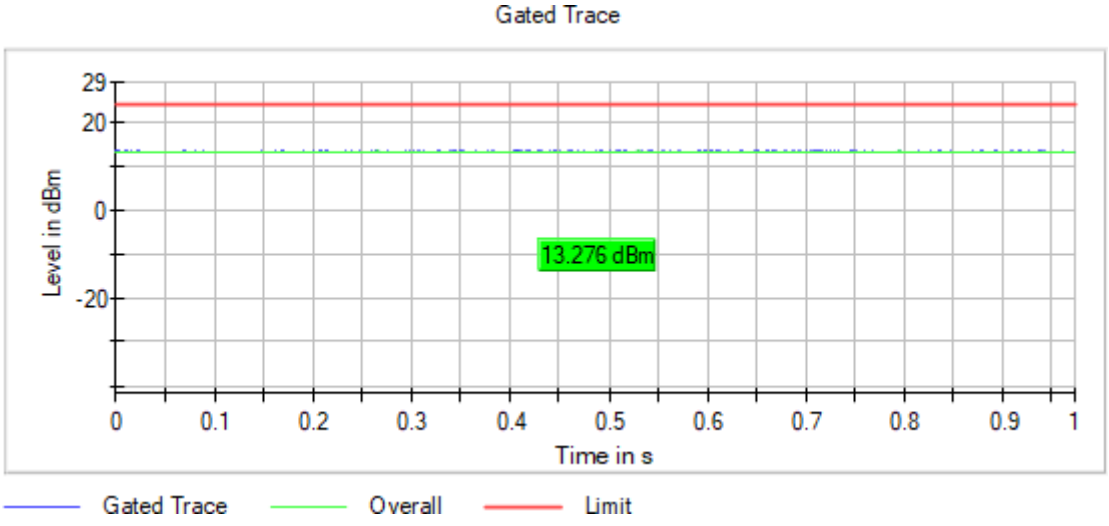
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5190.00000	Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5230.00000	Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:

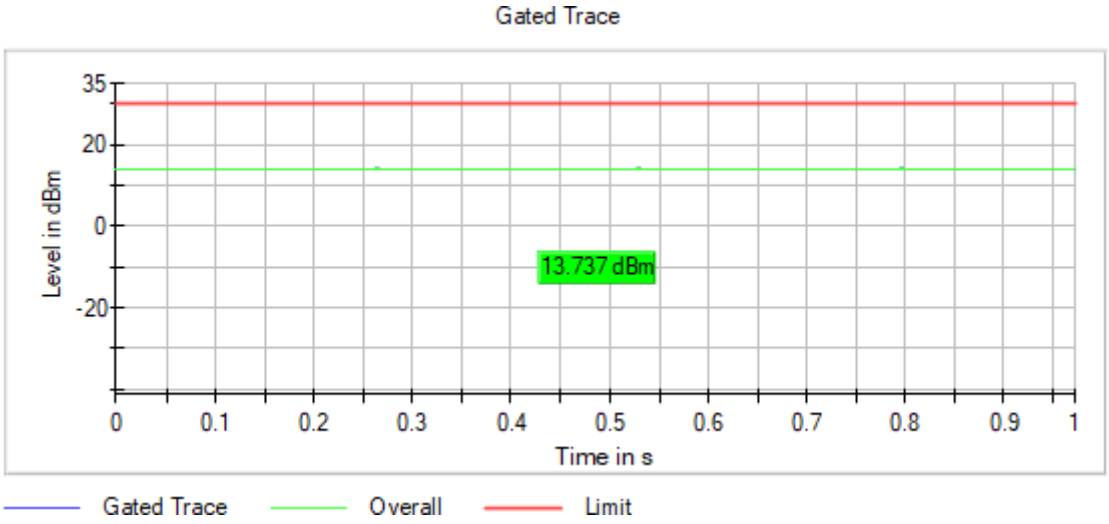


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)

TPC = No MIMO Mode = SISO

Images:

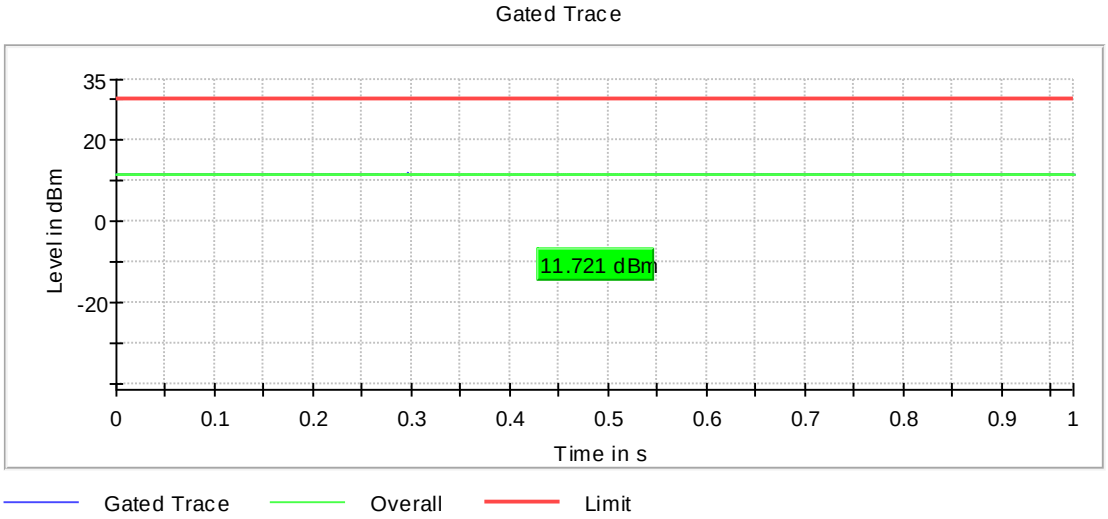


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000 Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)

TPC = No MIMO Mode = SISO

Images:



Tables:
Power Meter Settings

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 VHT80 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Maximum declared BTWLAN Antenna gain: 3.8 dBi for UNI-1, 3.5 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5210.00000	10.3	14.1
		5775.00000	13.9	17.4

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 2.1 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5210.00000	10.3	12.3
		5775.00000	13.9	16.0

Verdict

Pass

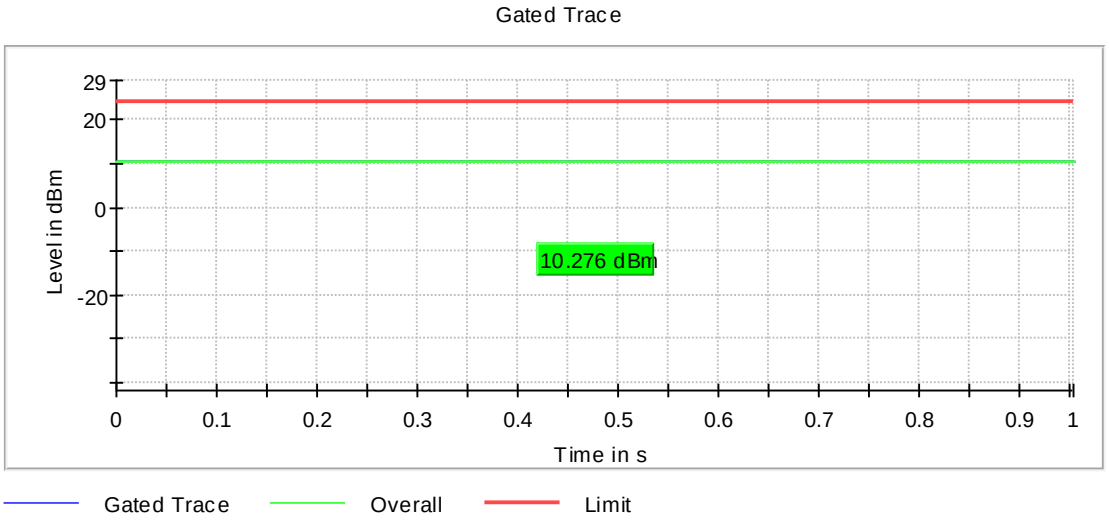
Attachments

Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5210.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:

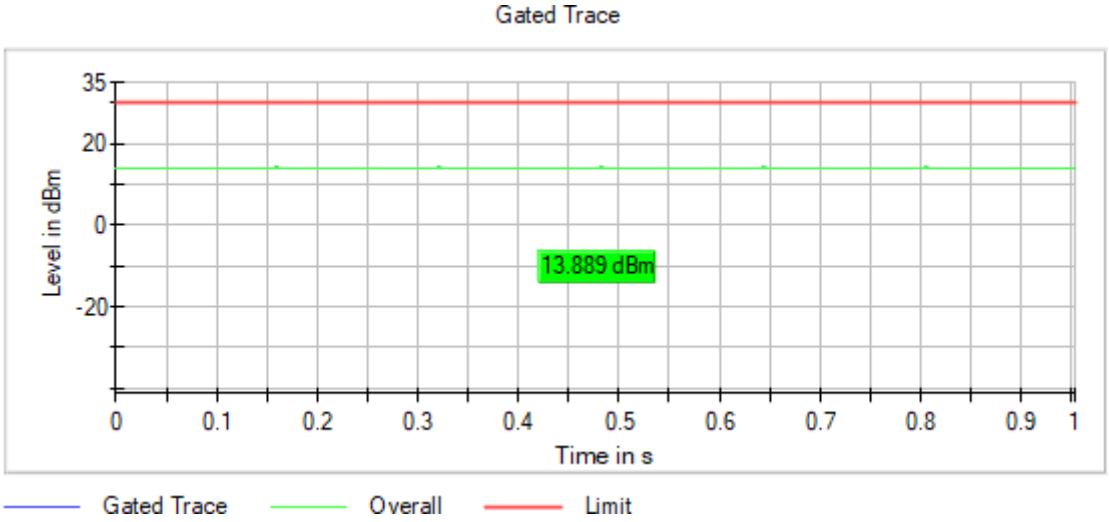


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5775.00000 Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:



Tables:
Power Meter Settings

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: 802.11ax HE80 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Maximum declared BTWLAN Antenna gain: 3.8 dBi for UNI-1, 3.5 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5210.00000	12.9	16.7
		5775.00000	11.8	15.3

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 2.1 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5210.00000	12.9	14.9
		5775.00000	11.8	13.9

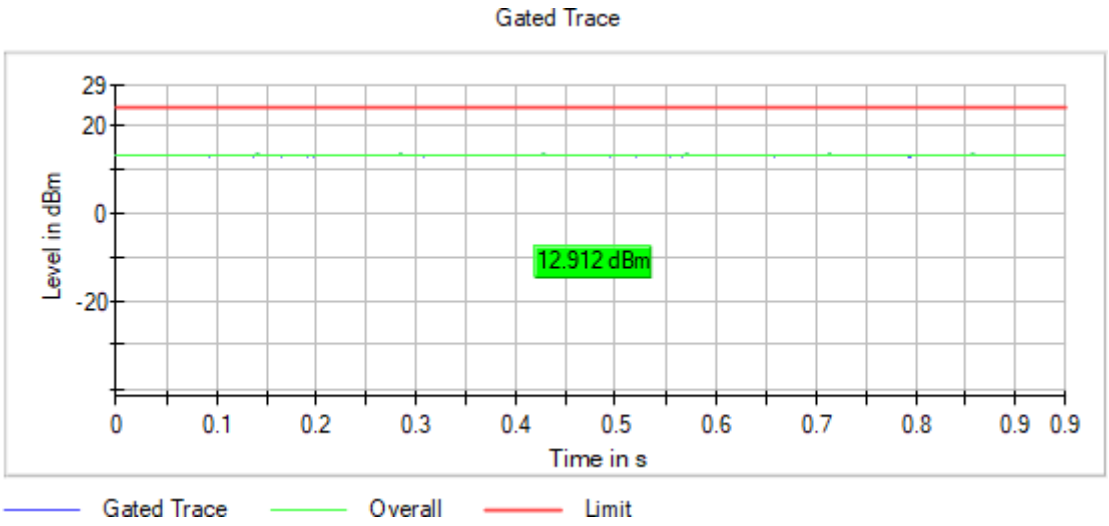
Verdict

Pass

Attachments

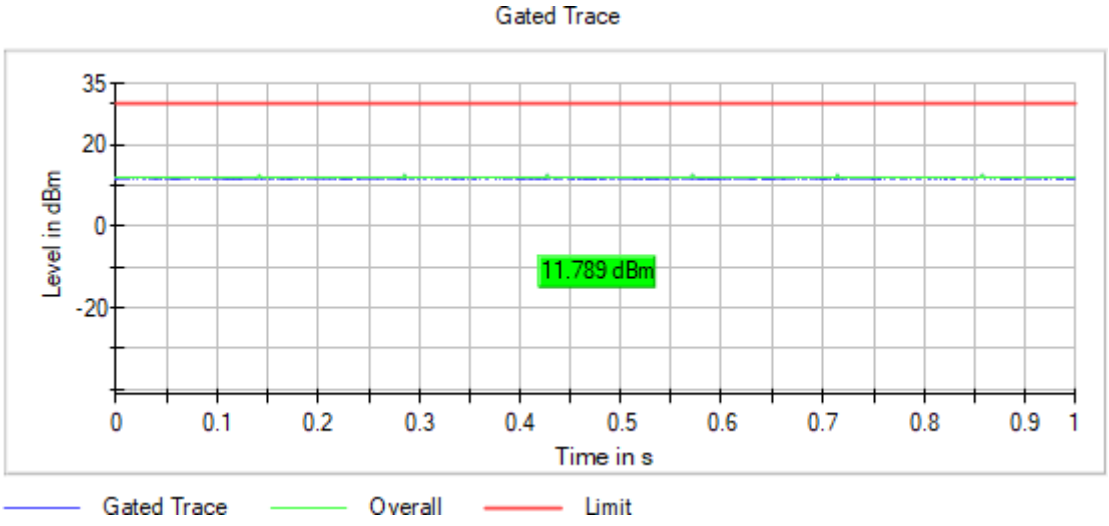
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5210.00000	Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5775.00000	Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:



Tables:
Power Meter Settings

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: 802.11a (OFDM 6 Mbit/s)

MIMO Mode: SISO

Results

Maximum declared BTWLAN Antenna gain: 3.8 dBi for UNI-1, 3.5 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5180.00000	15.1	18.9
		5200.00000	15.1	18.9
		5240.00000	13.7	17.5
		5745.00000	11.0	14.5
		5785.00000	10.0	13.5
		5825.00000	8.9	12.4

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 2.1 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5180.00000	15.1	17.1
		5200.00000	15.1	17.1
		5240.00000	13.7	15.7
		5745.00000	11.0	13.1
		5785.00000	10.0	12.1
		5825.00000	8.9	11.0

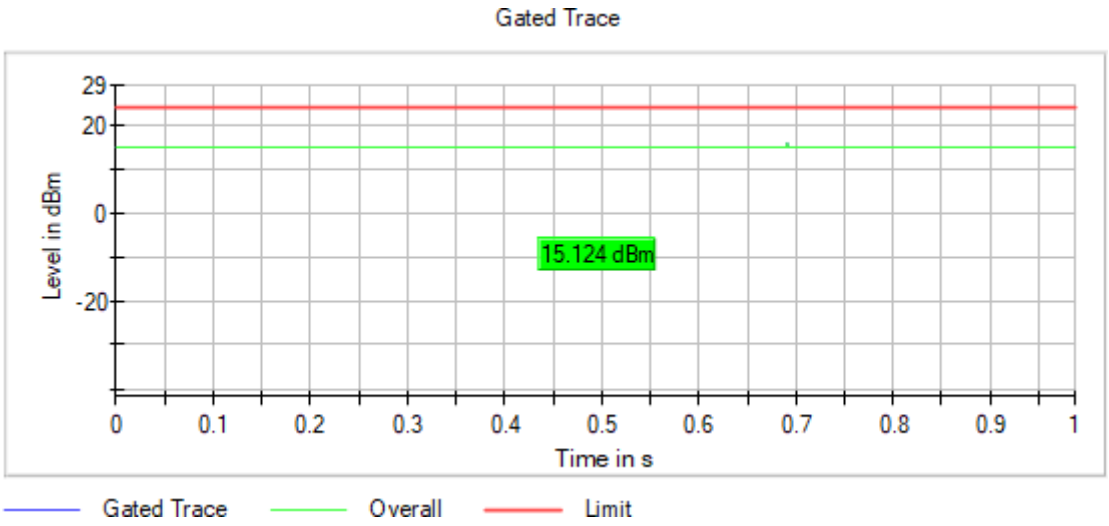
Verdict

Pass

Attachments

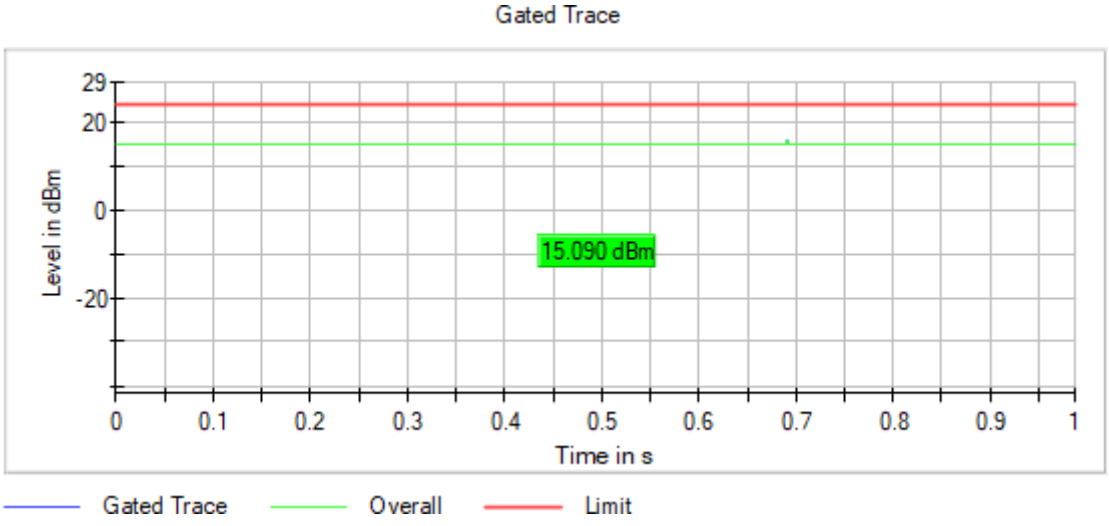
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5180.00000	Modulation = 802.11a (OFDM 6 Mbit/s)
TPC = No	MIMO Mode = SISO

Images:



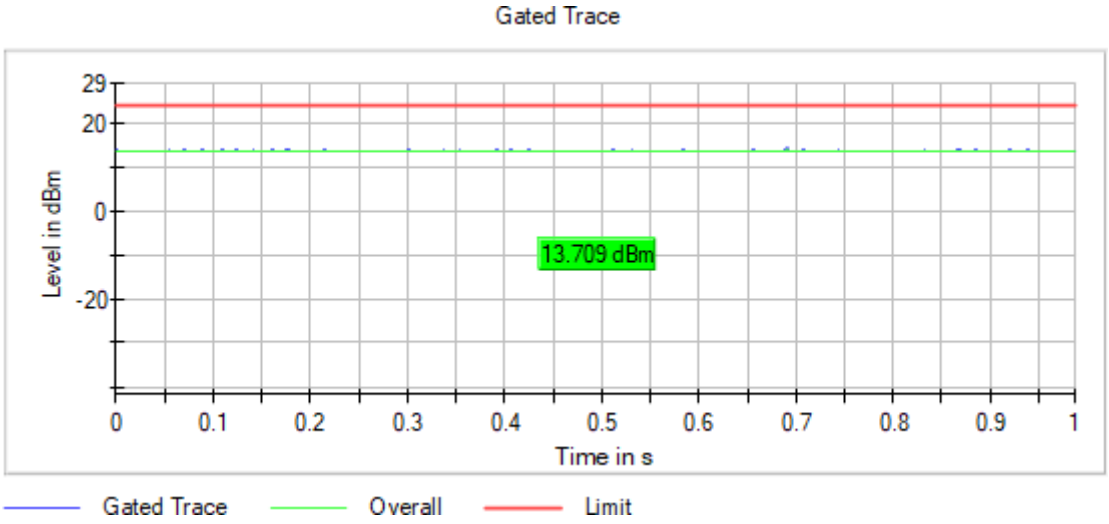
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5200.00000	Modulation = 802.11a (OFDM 6 Mbit/s)
TPC = No	MIMO Mode = SISO

Images:



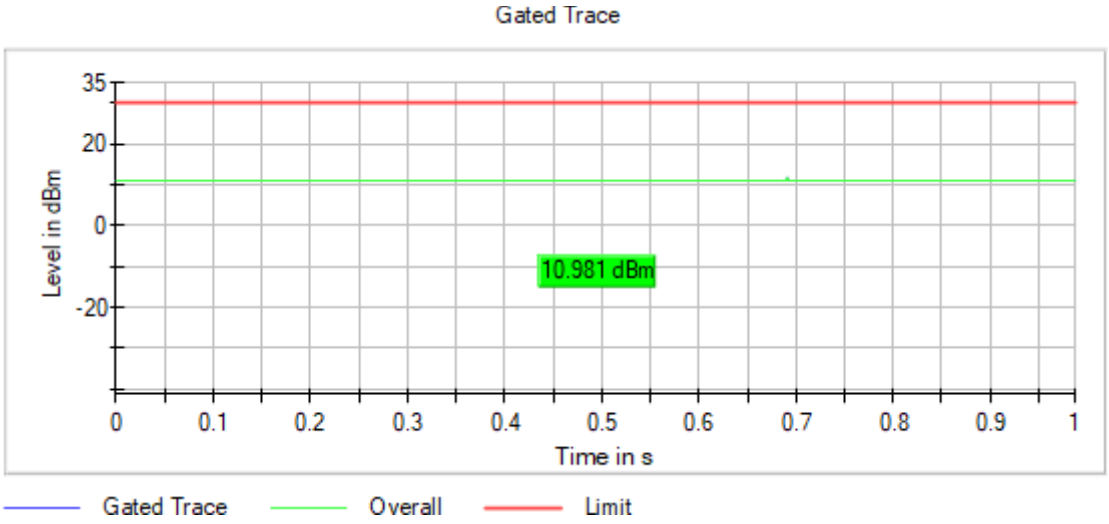
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5240.00000	Modulation = 802.11a (OFDM 6 Mbit/s)
TPC = No	MIMO Mode = SISO

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5745.00000	Modulation = 802.11a (OFDM 6 Mbit/s)
TPC = No	MIMO Mode = SISO

Images:

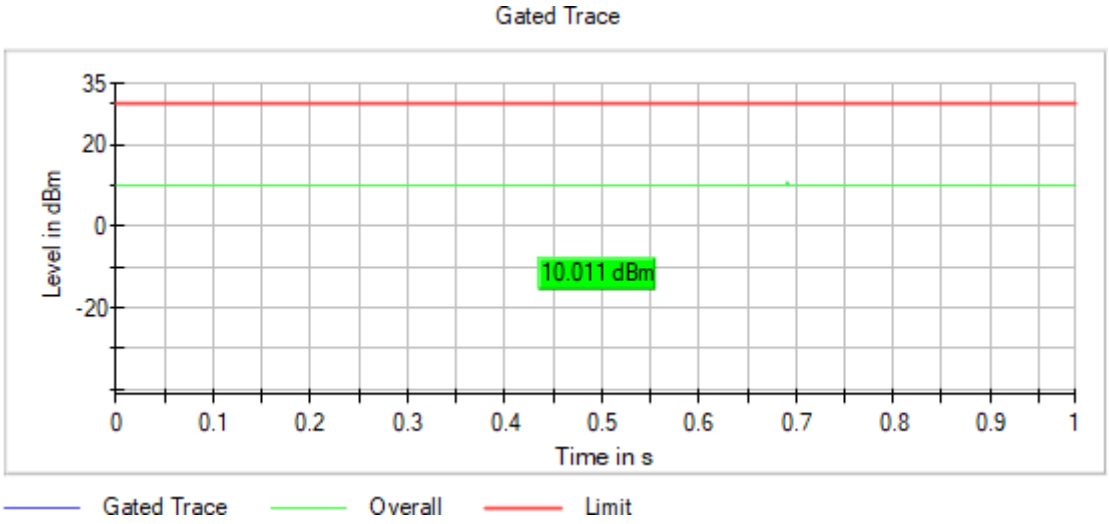


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

TPC = No MIMO Mode = SISO

Images:

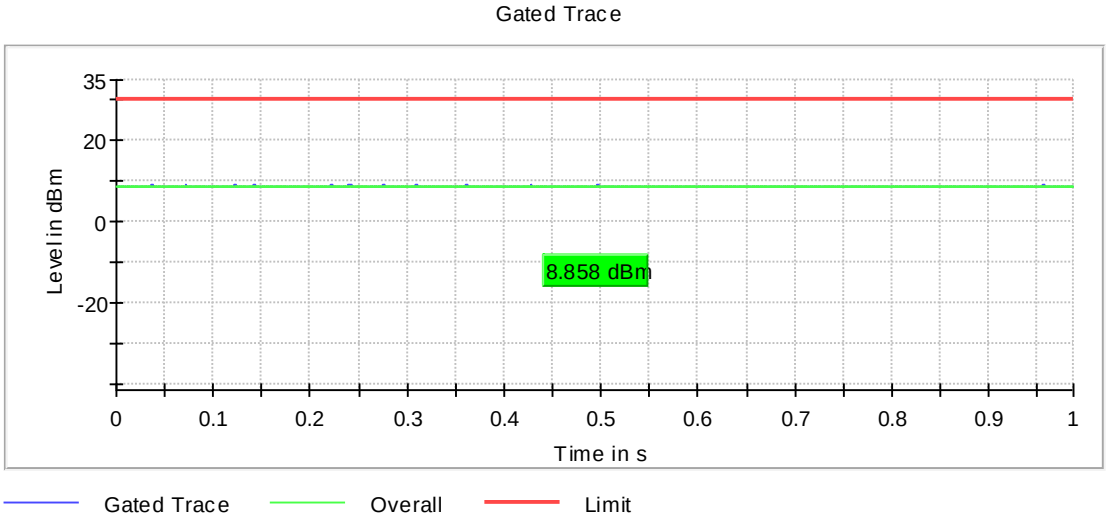


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11a (OFDM 6 Mbit/s)

TPC = No MIMO Mode = SISO

Images:



Tables:
Power Meter Settings

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: 802.11n HT20 (OFDM MCS0)

MIMO Mode: SISO

Results

Maximum declared BTWLAN Antenna gain: 3.8 dBi for UNI-1, 3.5 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5180.00000	14.8	18.6
		5200.00000	15.2	19.0
		5240.00000	13.8	17.6
		5745.00000	13.6	17.1
		5785.00000	12.6	16.1
		5825.00000	11.3	14.8

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 2.1 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5180.00000	14.8	16.8
		5200.00000	15.2	17.2
		5240.00000	13.8	15.8
		5745.00000	13.6	15.7
		5785.00000	12.6	14.7
		5825.00000	11.3	13.4

Verdict

Pass

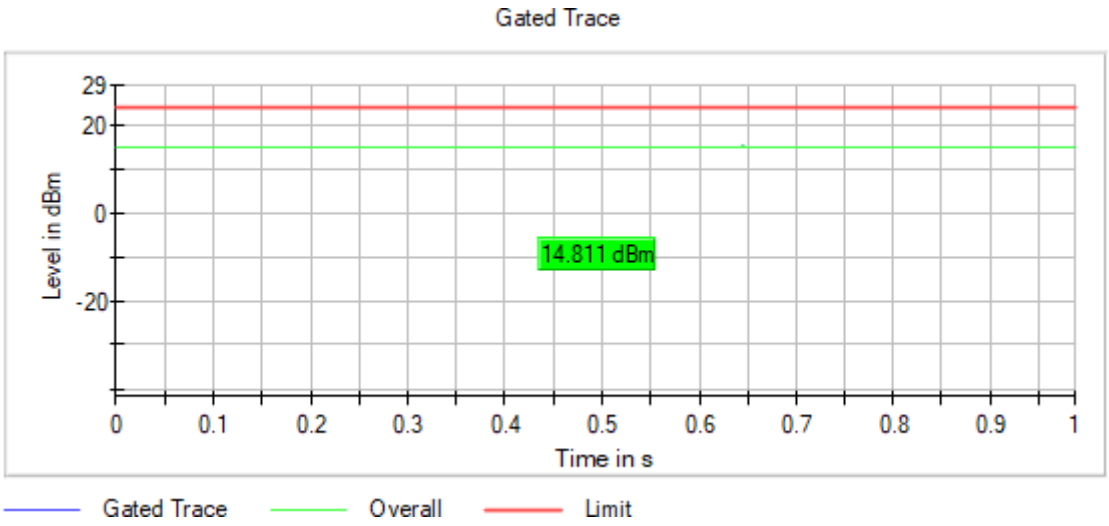
Attachments

Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5180.00000 Modulation = 802.11n HT20 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:

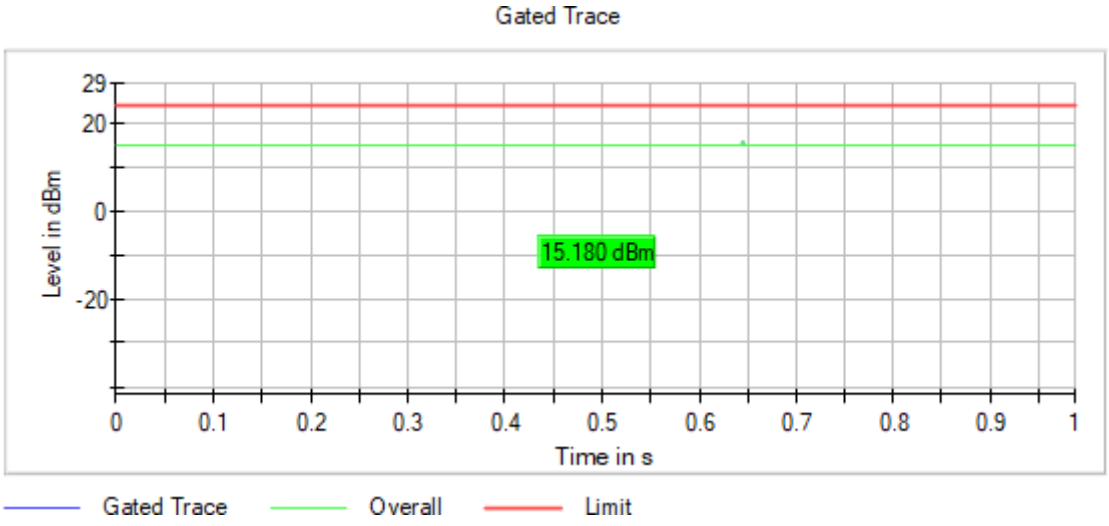


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5200.00000 Modulation = 802.11n HT20 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:

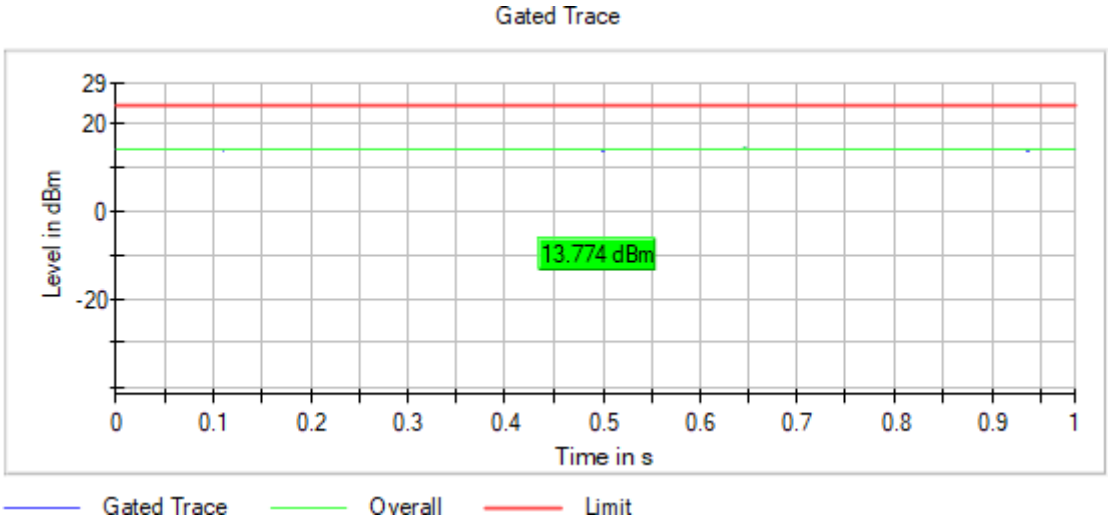


Tables:
Power Meter Settings

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

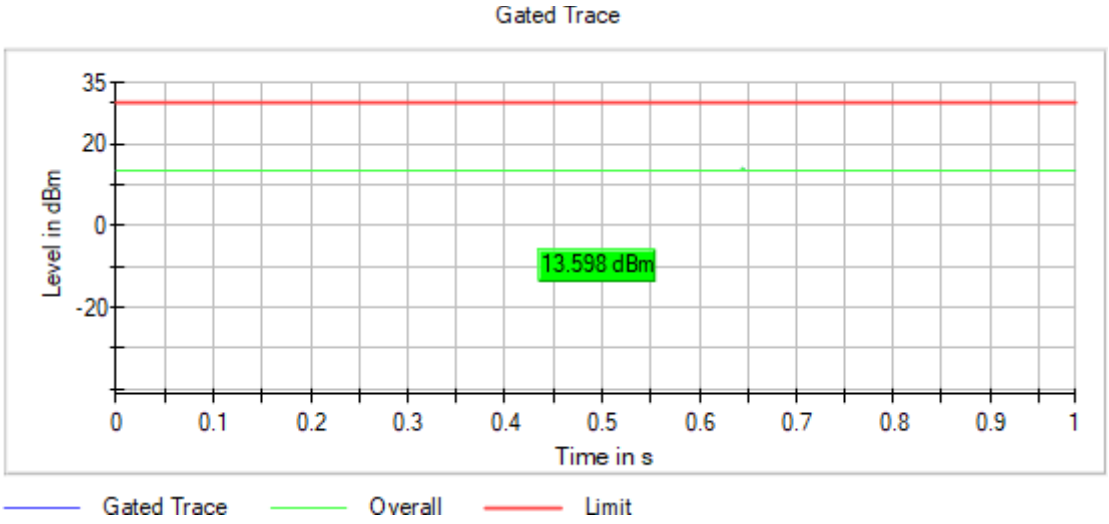
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5240.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5745.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:

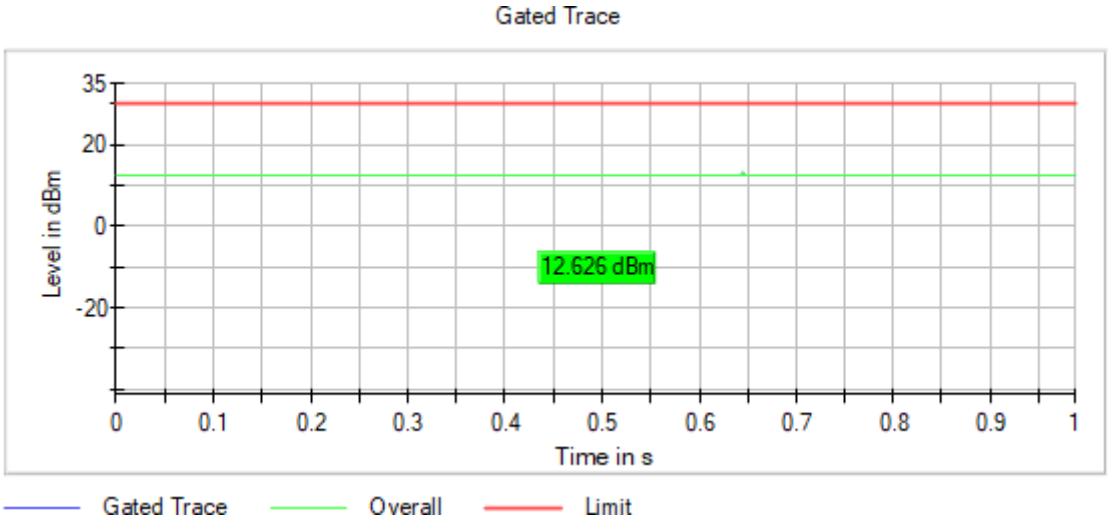


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5785.00000 Modulation = 802.11n HT20 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:

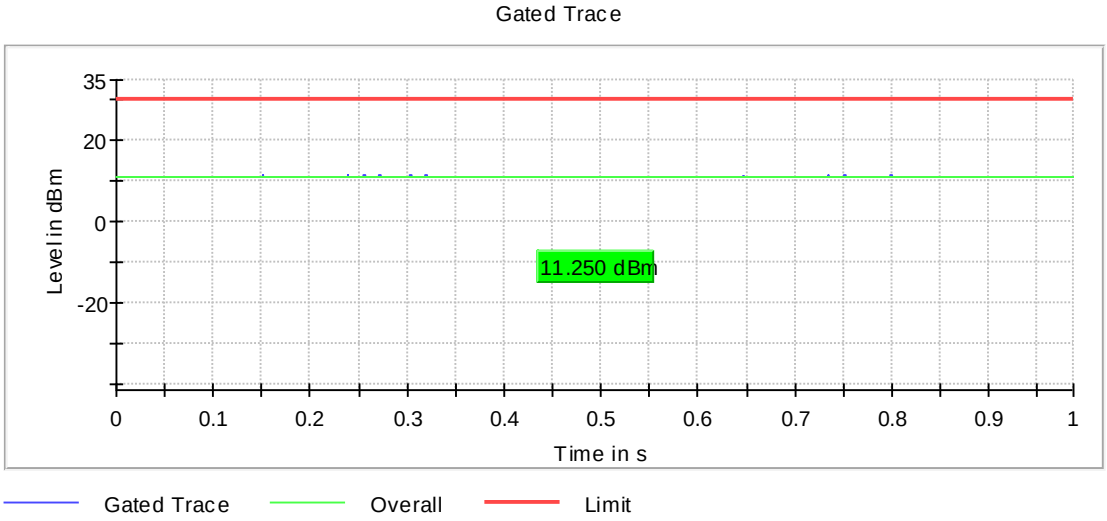


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5825.00000 Modulation = 802.11n HT20 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:



Tables:
Power Meter Settings

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: 802.11n HT40 (OFDM MCS0)

MIMO Mode: SISO

Results

Maximum declared BTWLAN Antenna gain: 3.8 dBi for UNI-1, 3.5 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5190.00000	15.0	18.8
		5230.00000	14.0	17.8
		5755.00000	13.5	17.0
		5795.00000	11.4	14.9

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 2.1 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1	5190.00000	15.0	17.0
		5230.00000	14.0	16.0
		5755.00000	13.5	15.6
		5795.00000	11.4	13.5

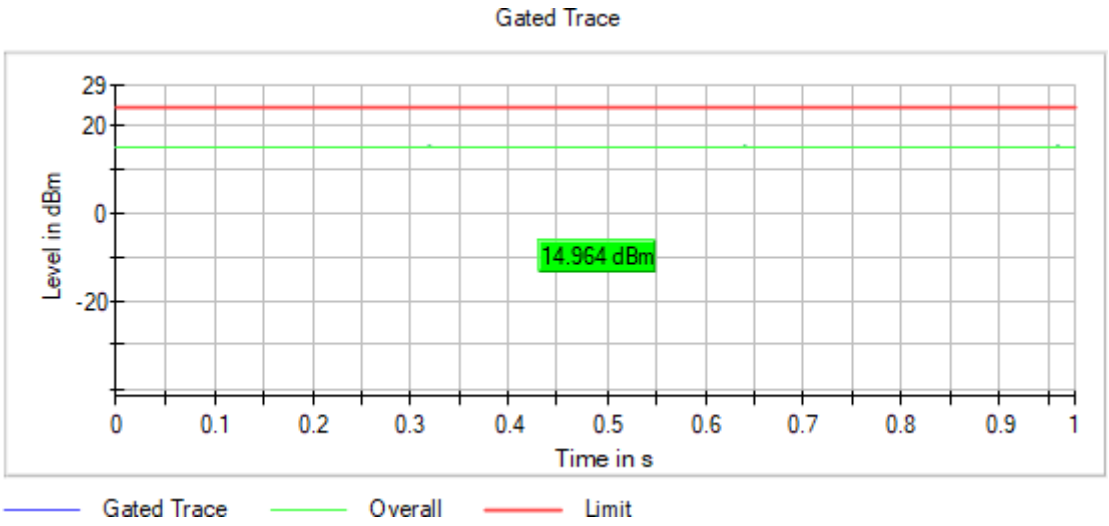
Verdict

Pass

Attachments

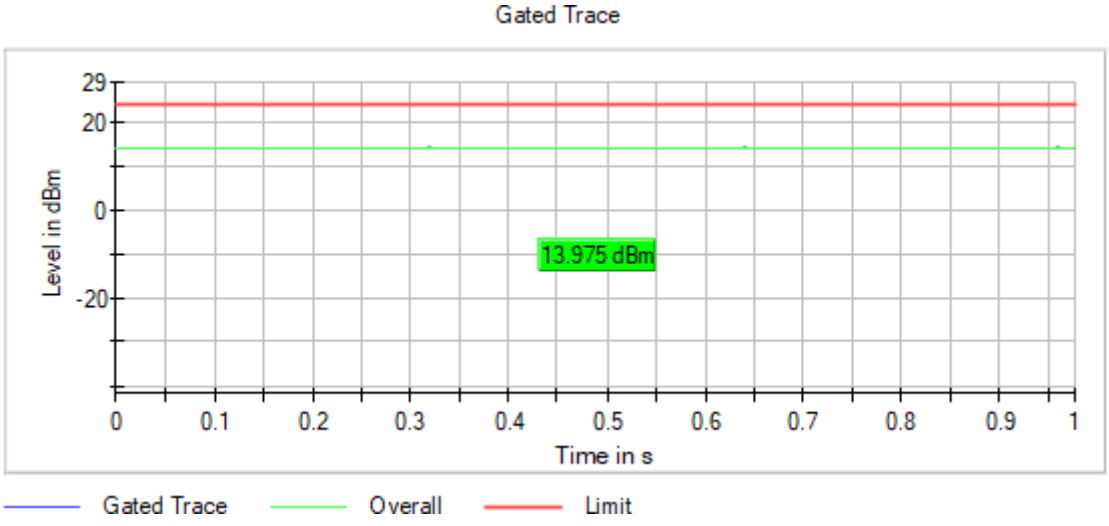
Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5190.00000	Modulation = 802.11n HT40 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5230.00000	Modulation = 802.11n HT40 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:

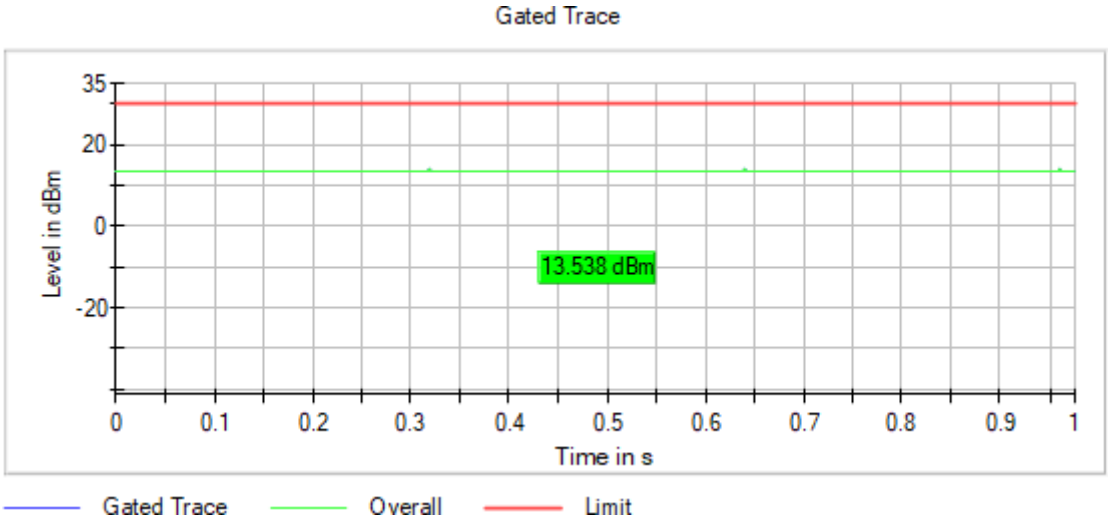


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5755.00000 Modulation = 802.11n HT40 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:

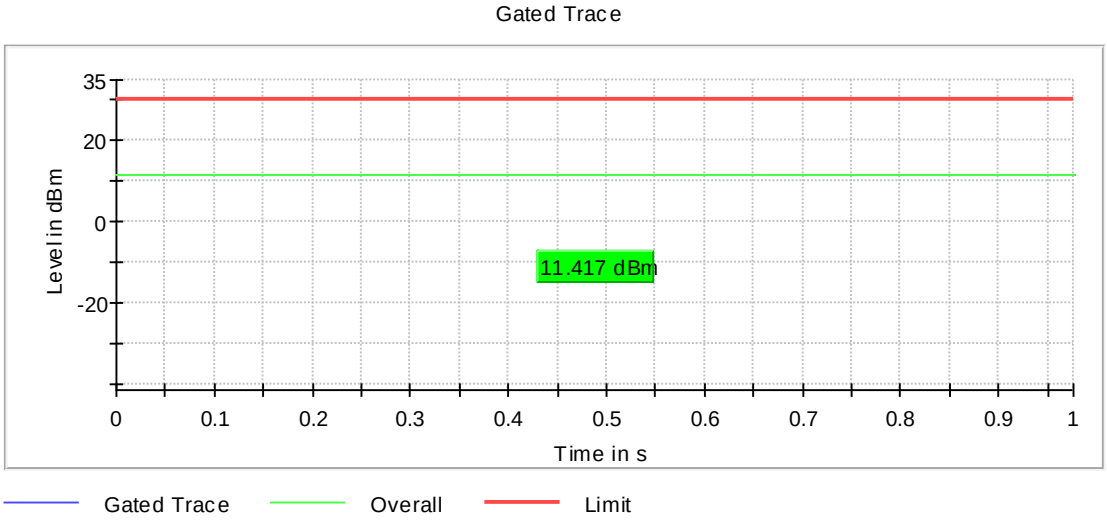


Operation Band MHz = [5150, 5850] Active Port = 1

Frequency MHz = 5795.00000 Modulation = 802.11n HT40 (OFDM MCS0)

TPC = No MIMO Mode = SISO

Images:



Tables:
Power Meter Settings

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 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RSS-247: 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.

Modulation: 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1	5180.00000	5182.178218	4.88
		5200.00000	5197.227723	5.14
		5240.00000	5242.376238	3.45
		5745.00000	5752.524752	0.00
		5785.00000	5777.475248	-0.98
		5825.00000	5832.524752	-2.32

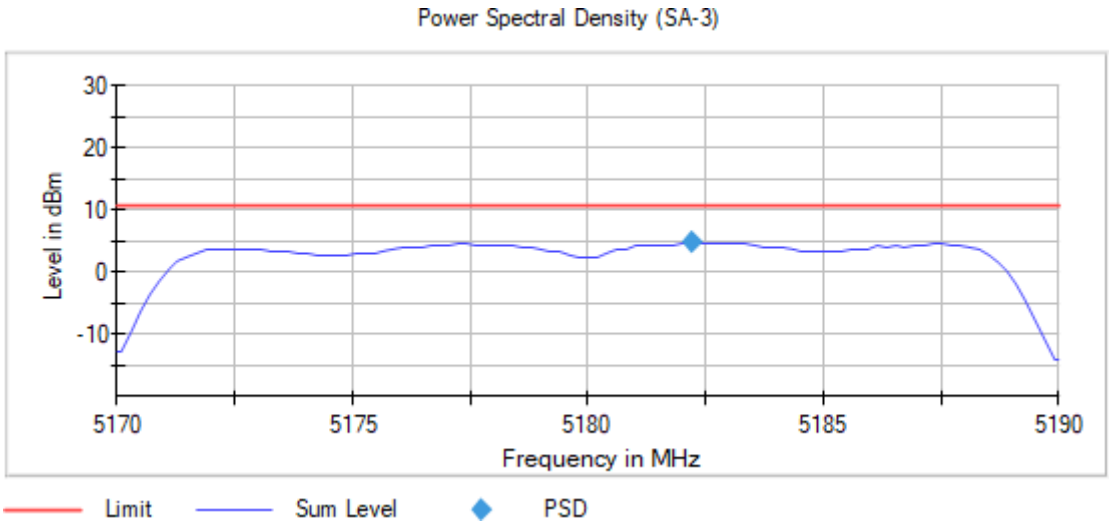
Verdict

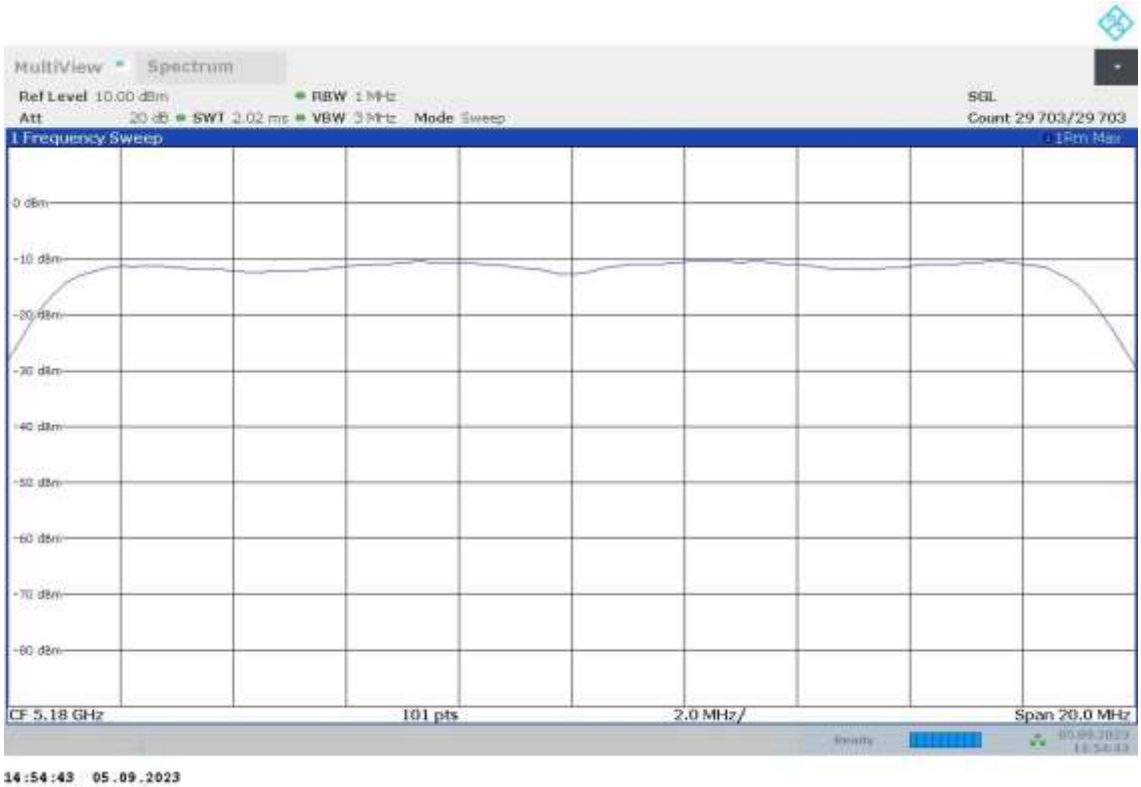
Pass

Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5180.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

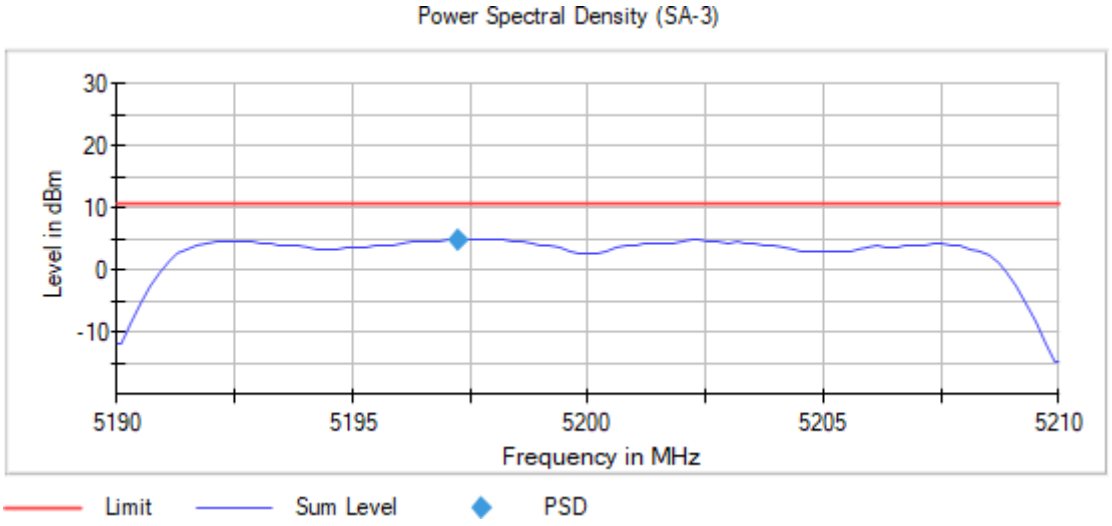
Images:

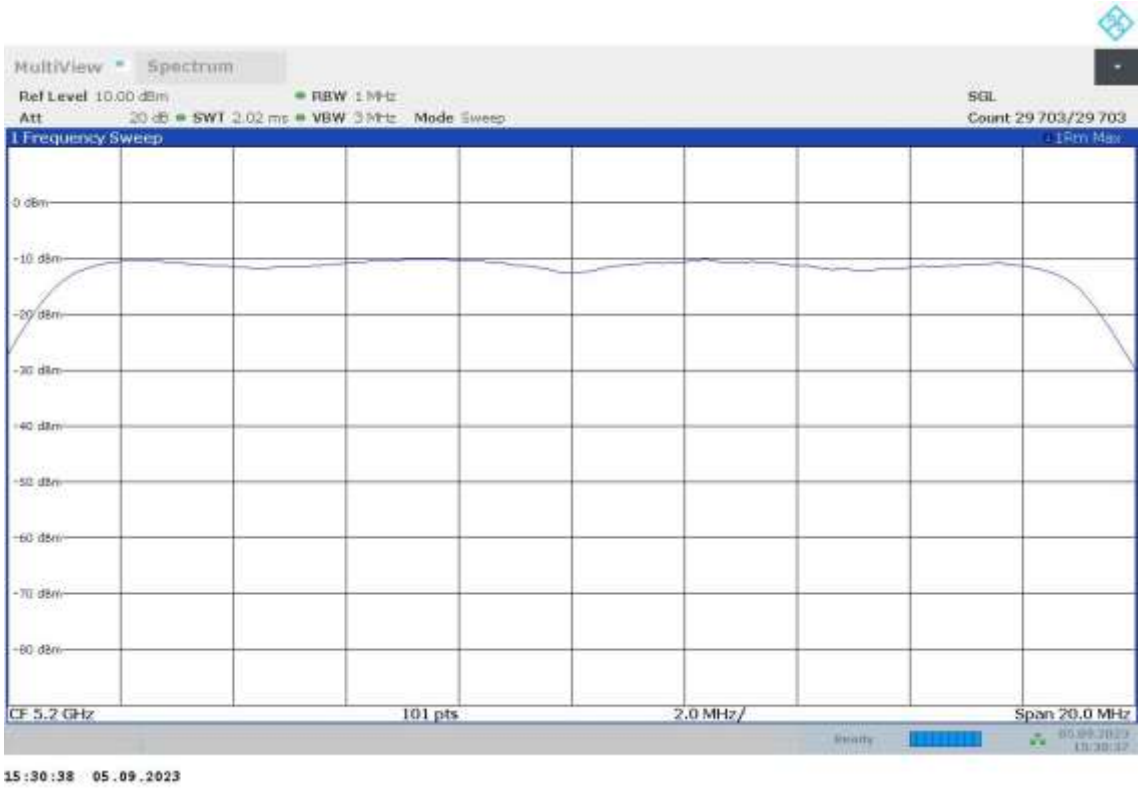




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5200.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

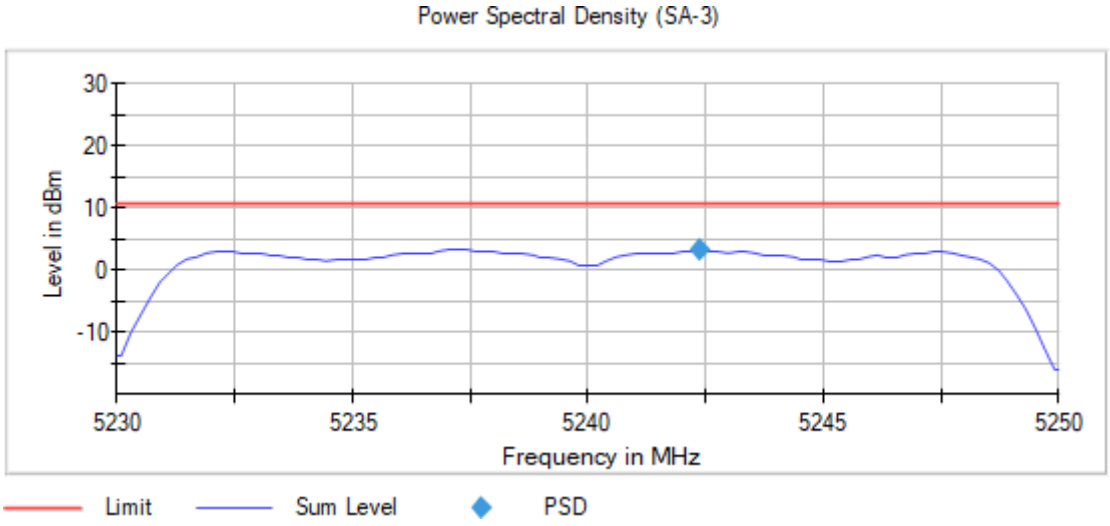
Images:

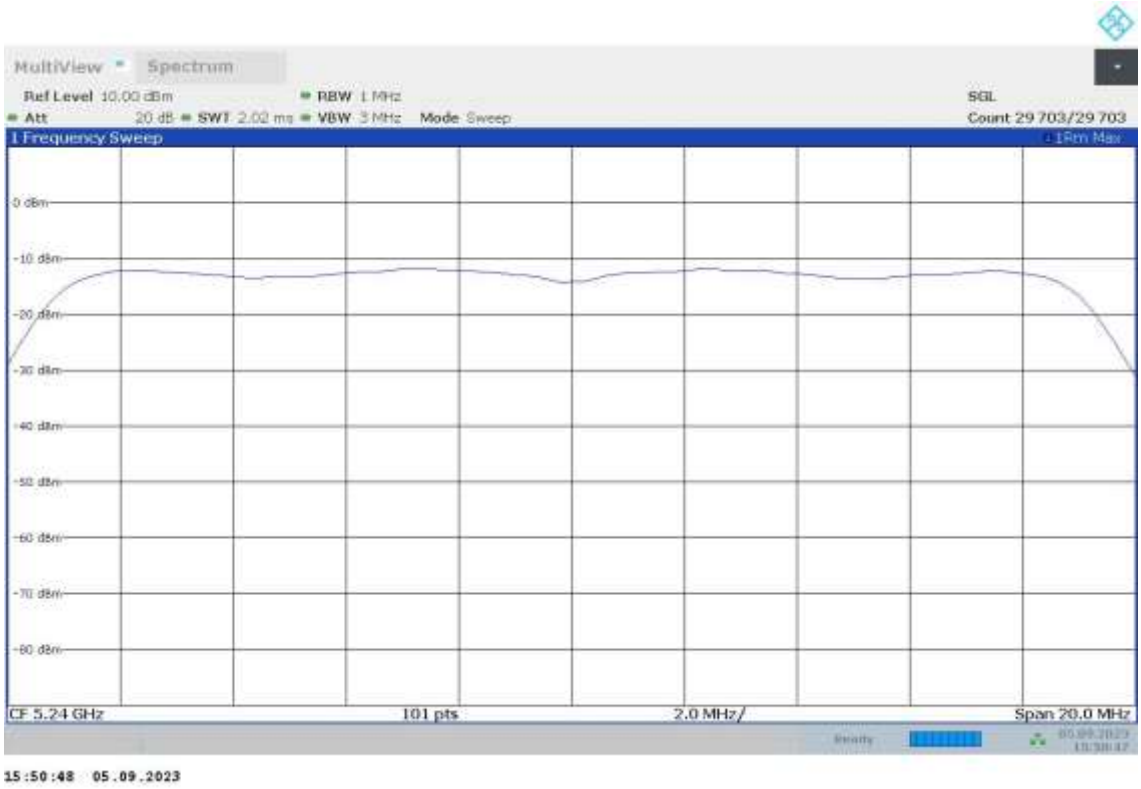




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5240.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

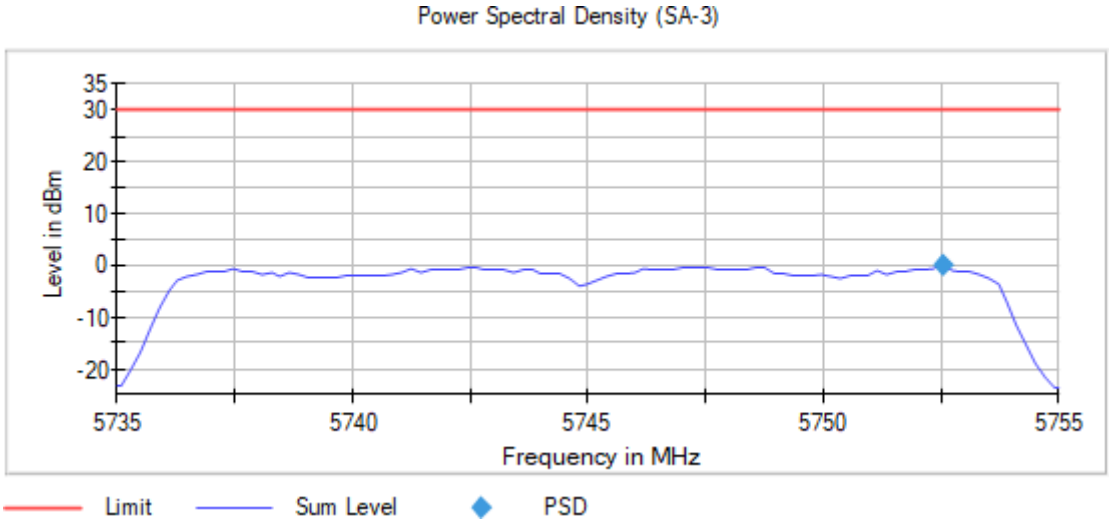
Images:

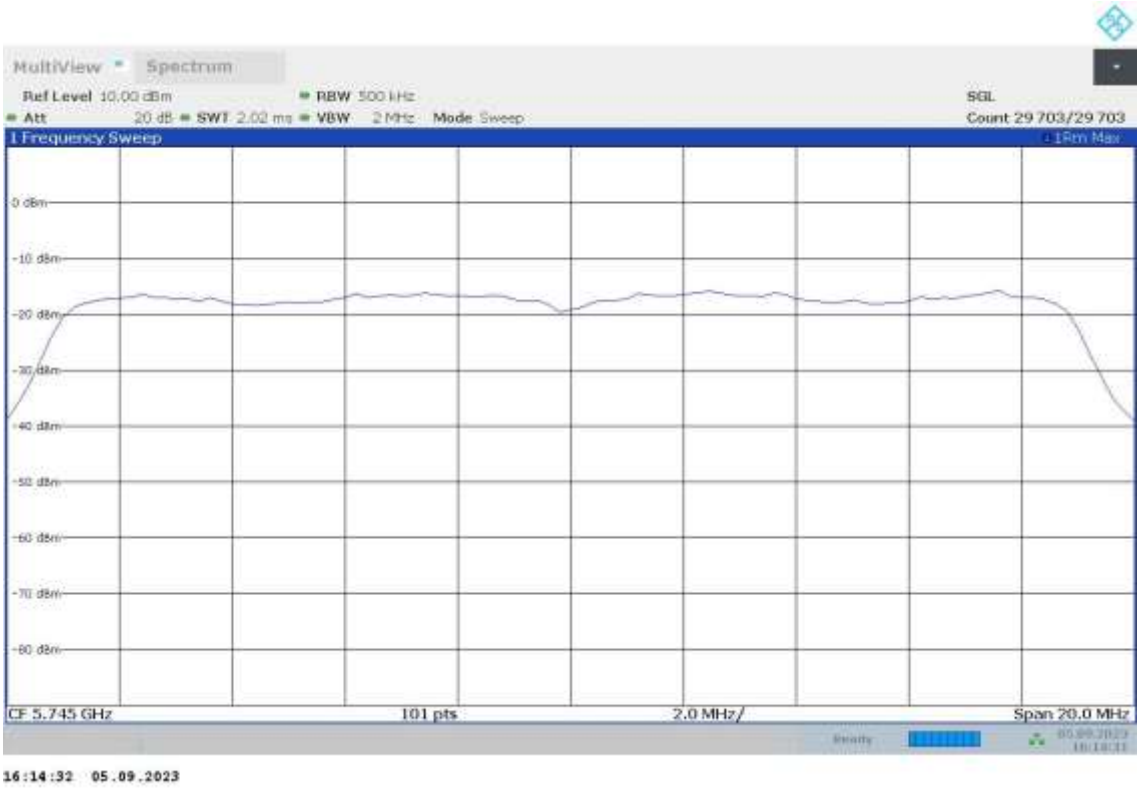




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5745.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

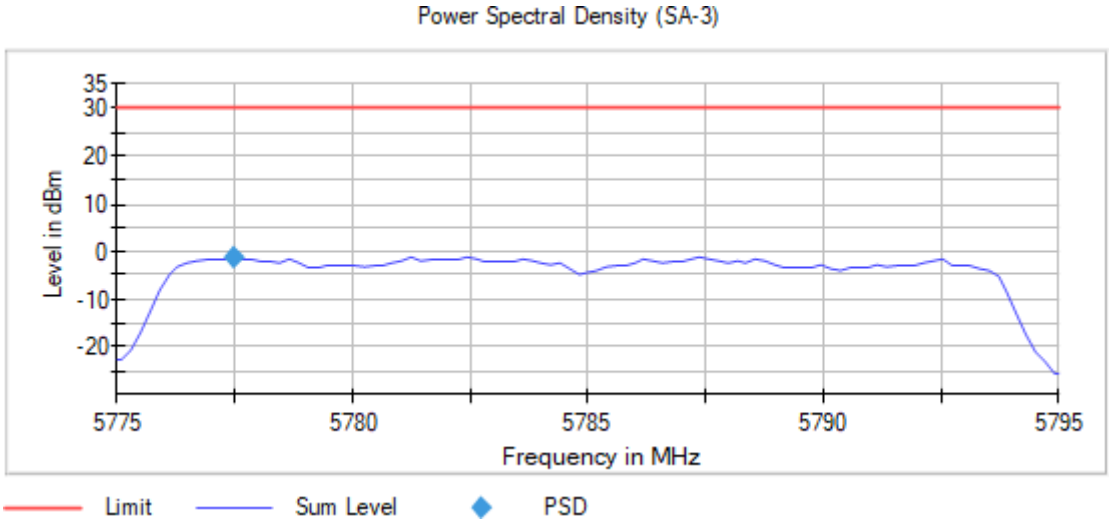
Images:

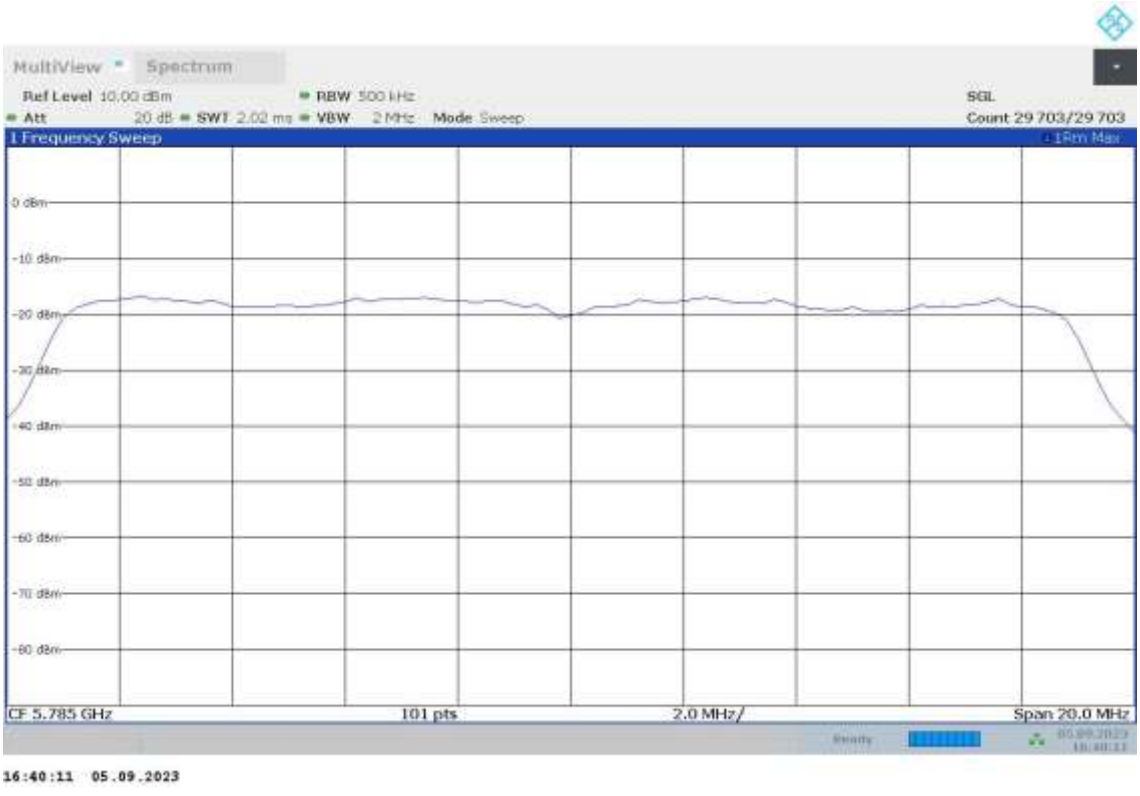




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5785.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

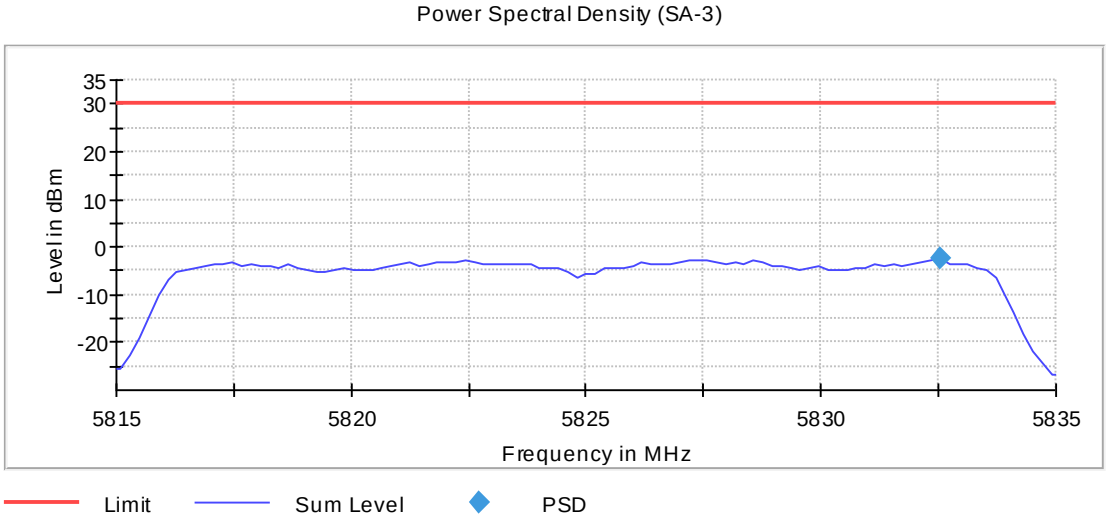
Images:

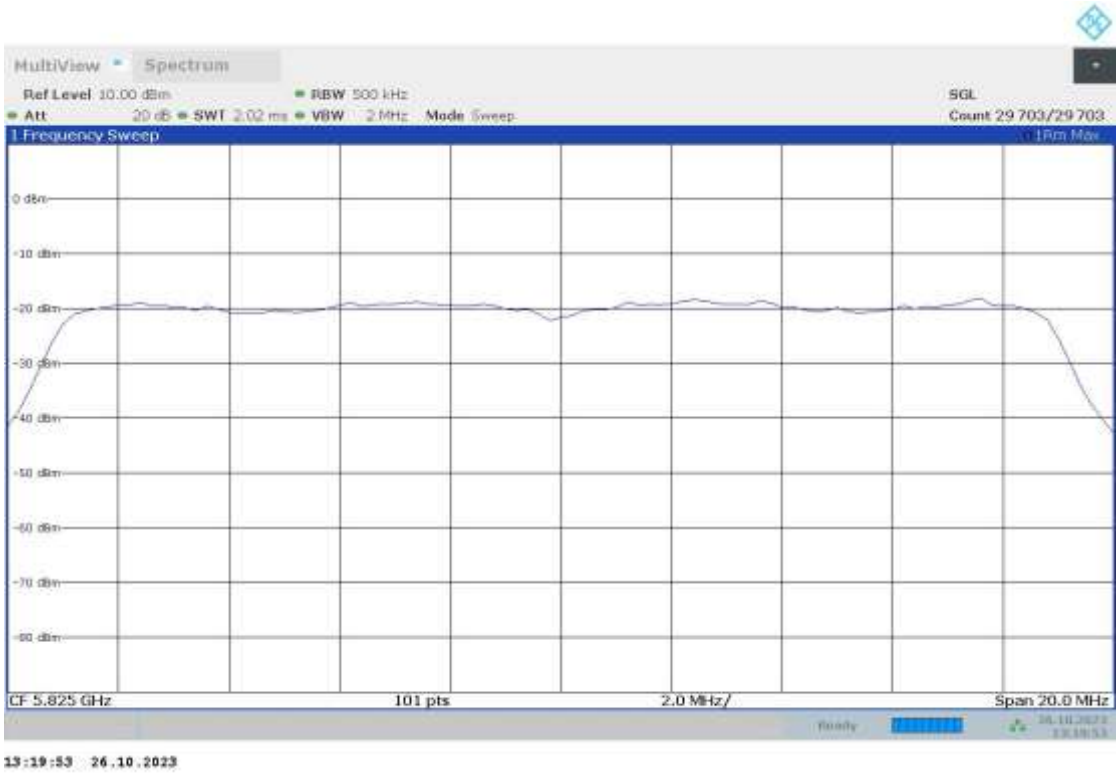




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5825.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = SISO

Images:





Modulation: 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1	5180.00000	5182.376238	5.62
		5200.00000	5197.623762	5.47
		5240.00000	5237.623762	3.99
		5745.00000	5747.376238	0.34
		5785.00000	5787.376238	-0.54
		5825.00000	5827.376238	-1.63

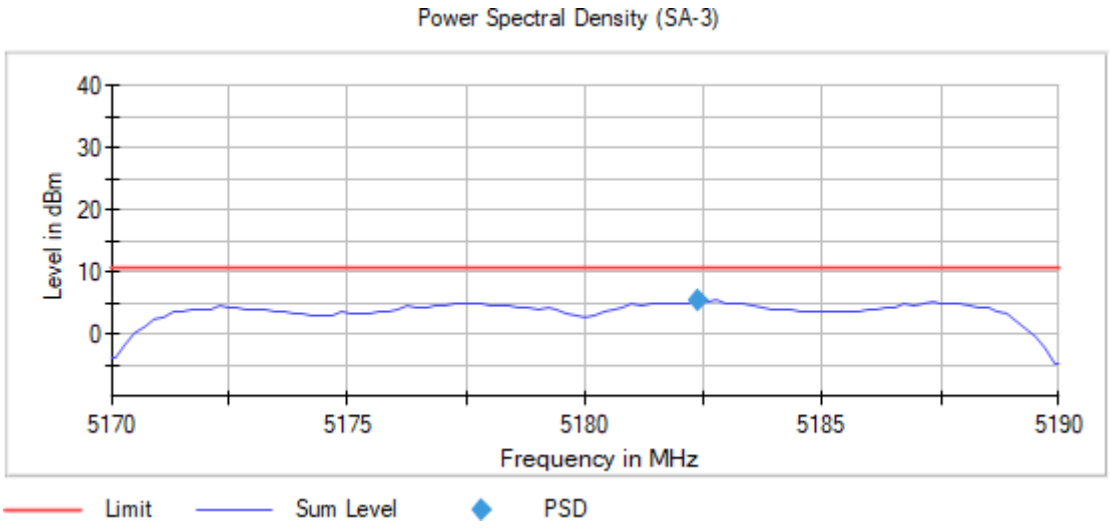
Verdict

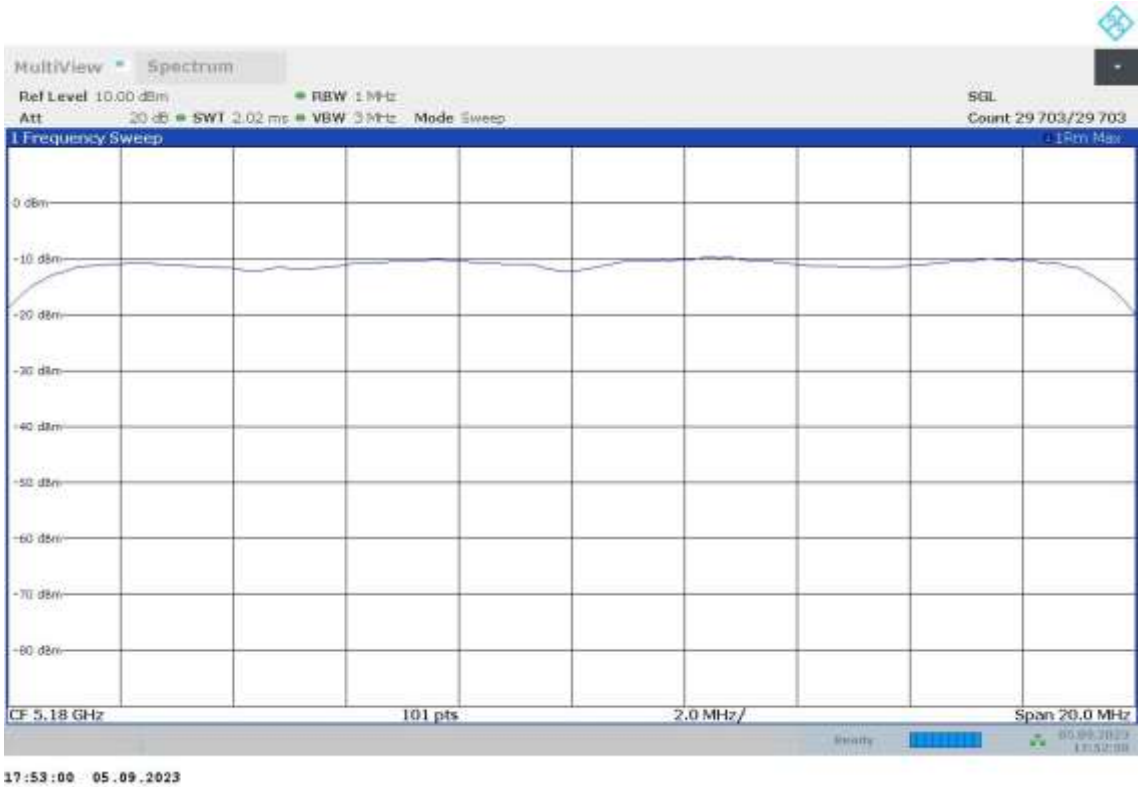
Pass

Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5180.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

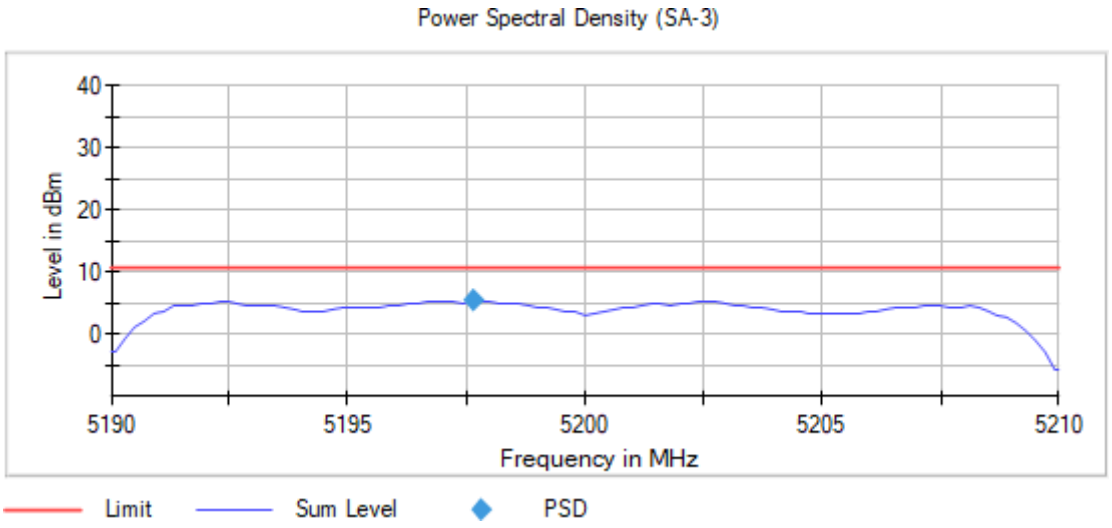
Images:

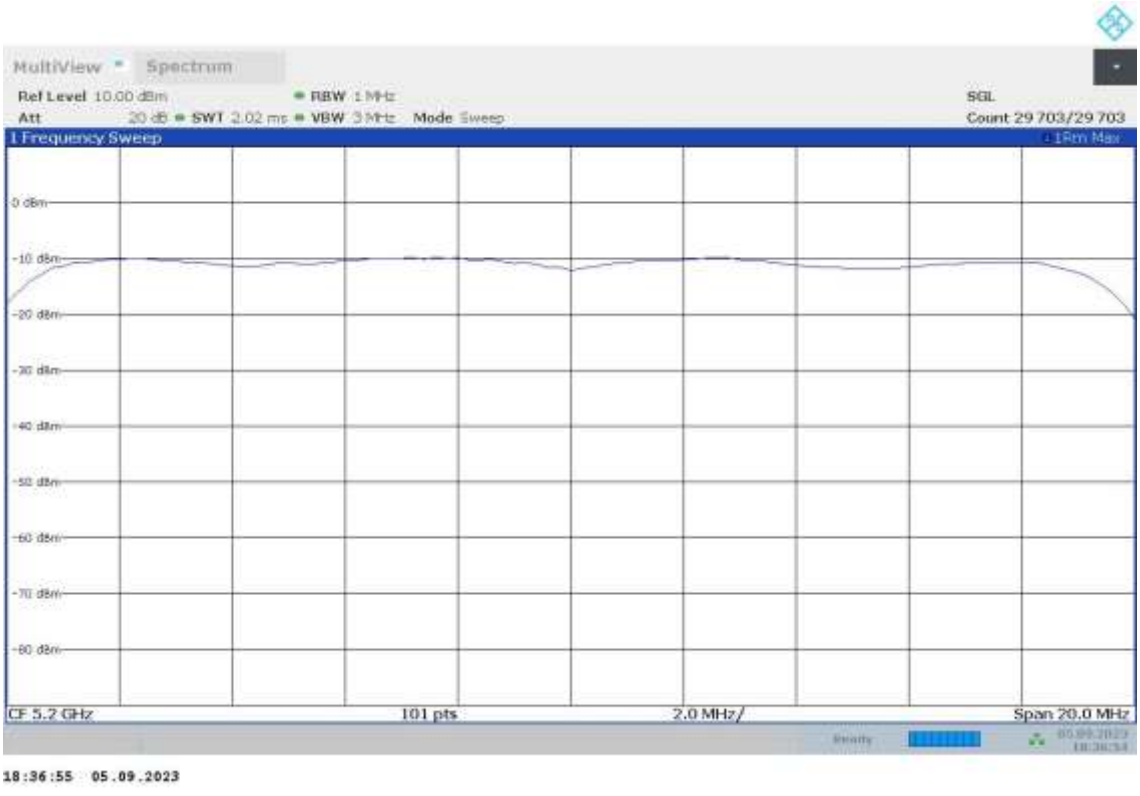




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5200.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

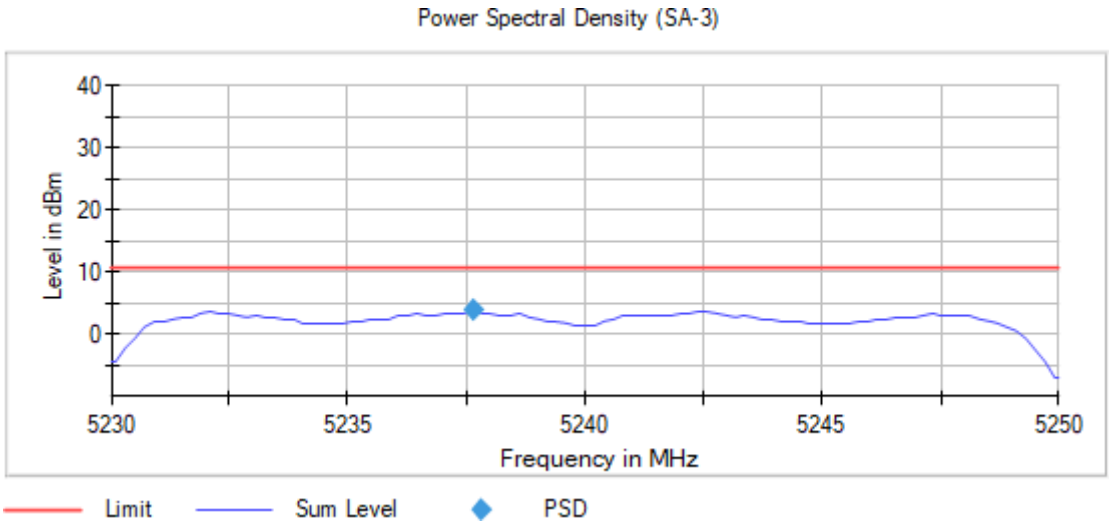
Images:

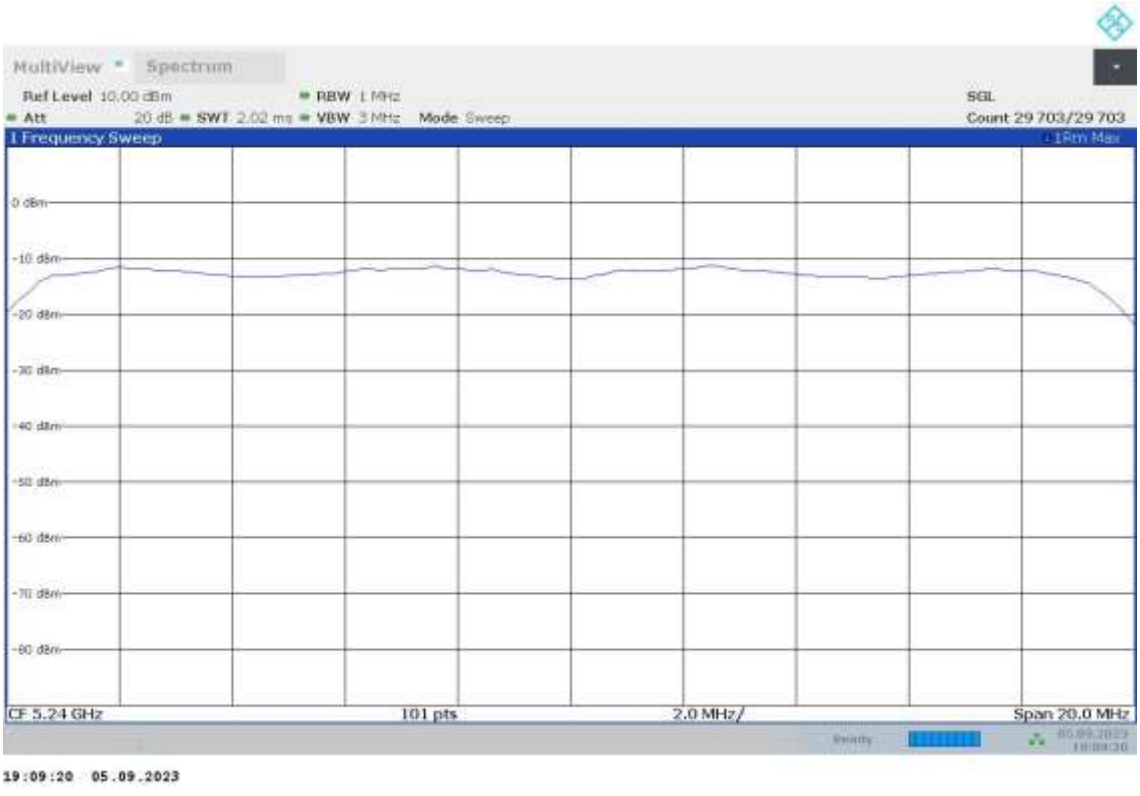




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5240.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

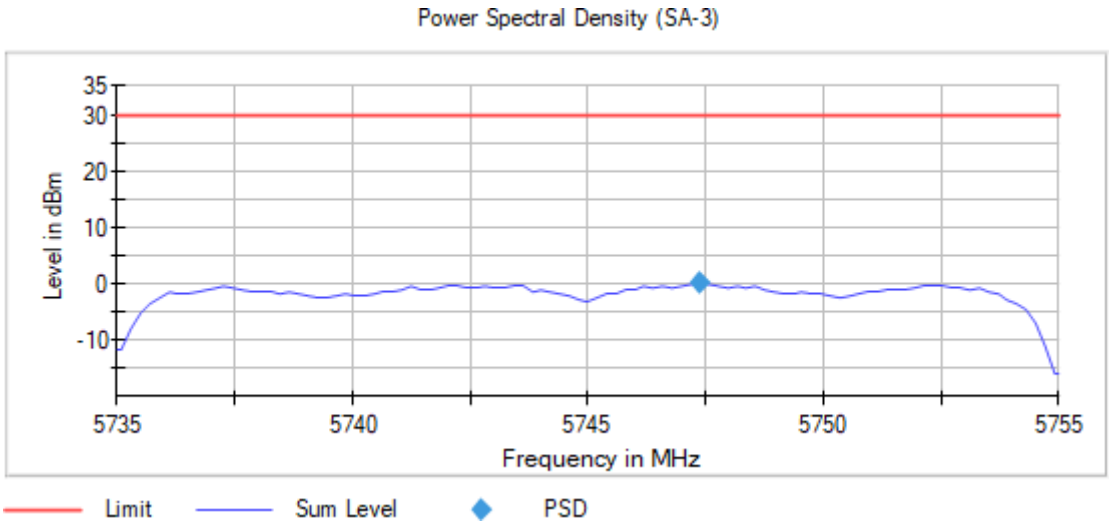
Images:

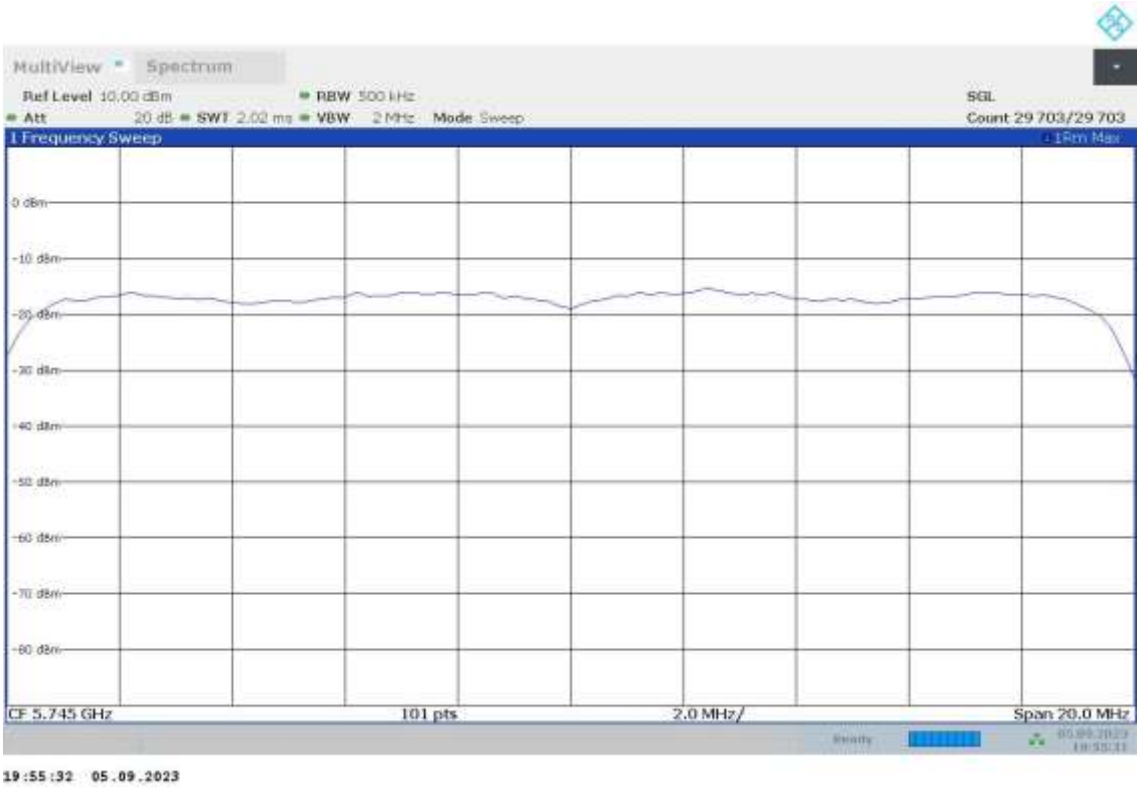




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5745.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

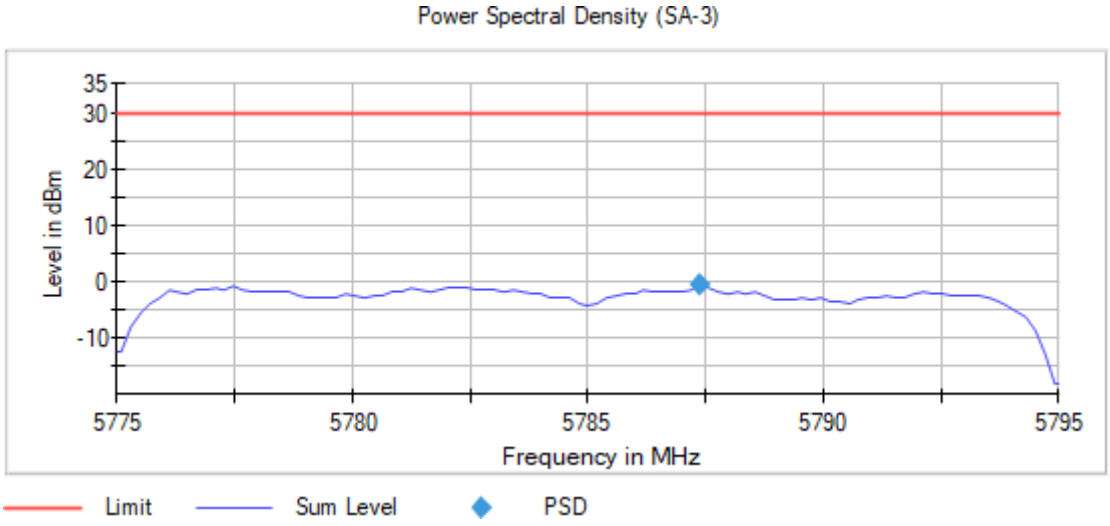
Images:

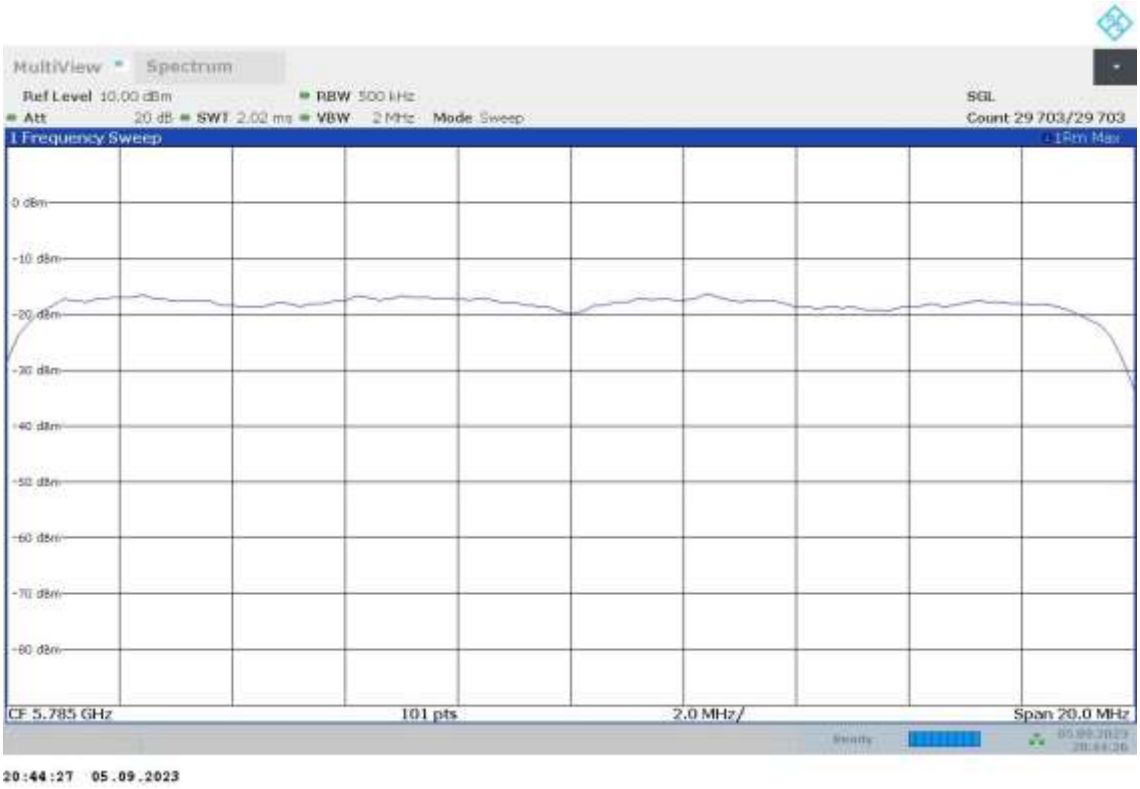




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5785.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

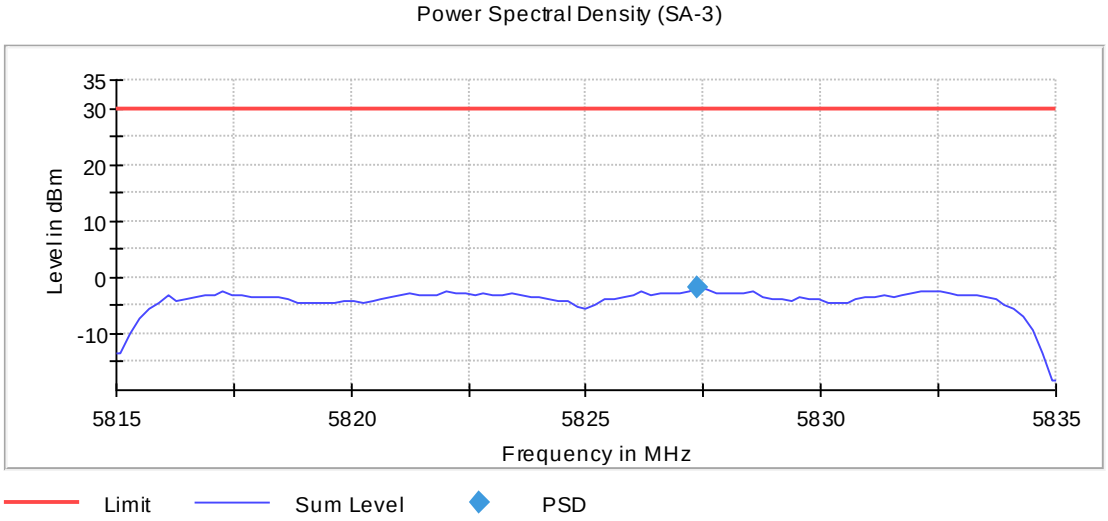
Images:

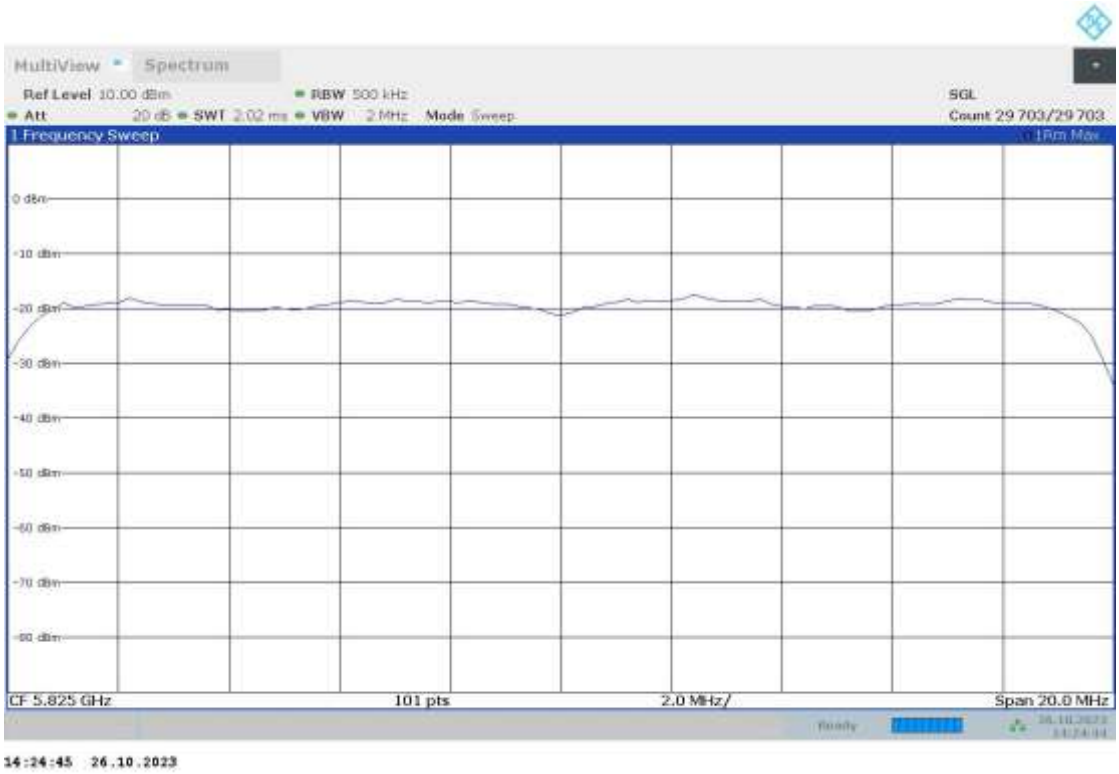




Operation Band MHz = [5150, 5850]	Active Port = 1
Frequency MHz = 5825.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = SISO

Images:





Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1	5190.00000	5185.247525	1.96
		5230.00000	5213.762376	1.48
		5755.00000	5738.875000	-1.57
		5795.00000	5778.875000	-2.82

Verdict

Pass