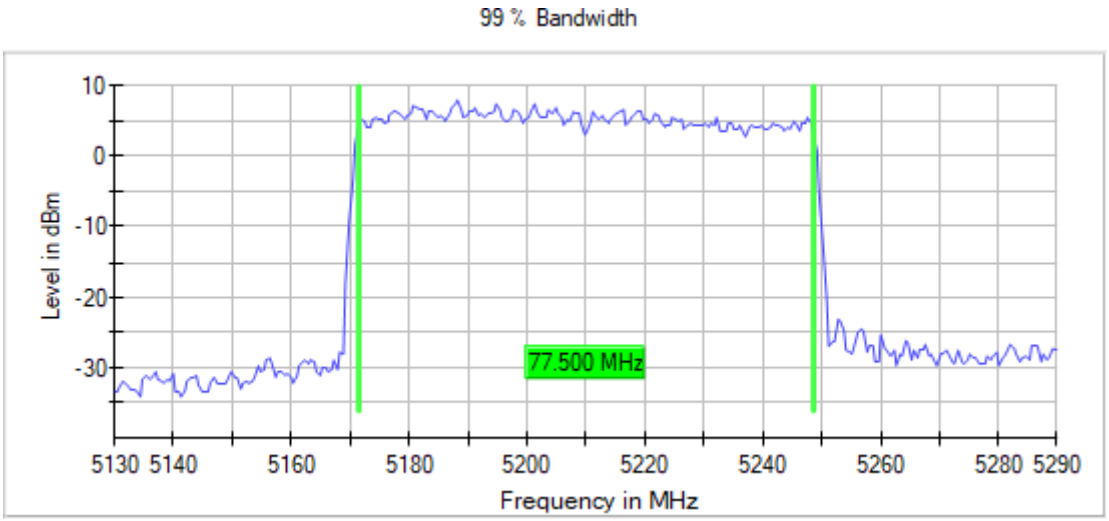
Attachments

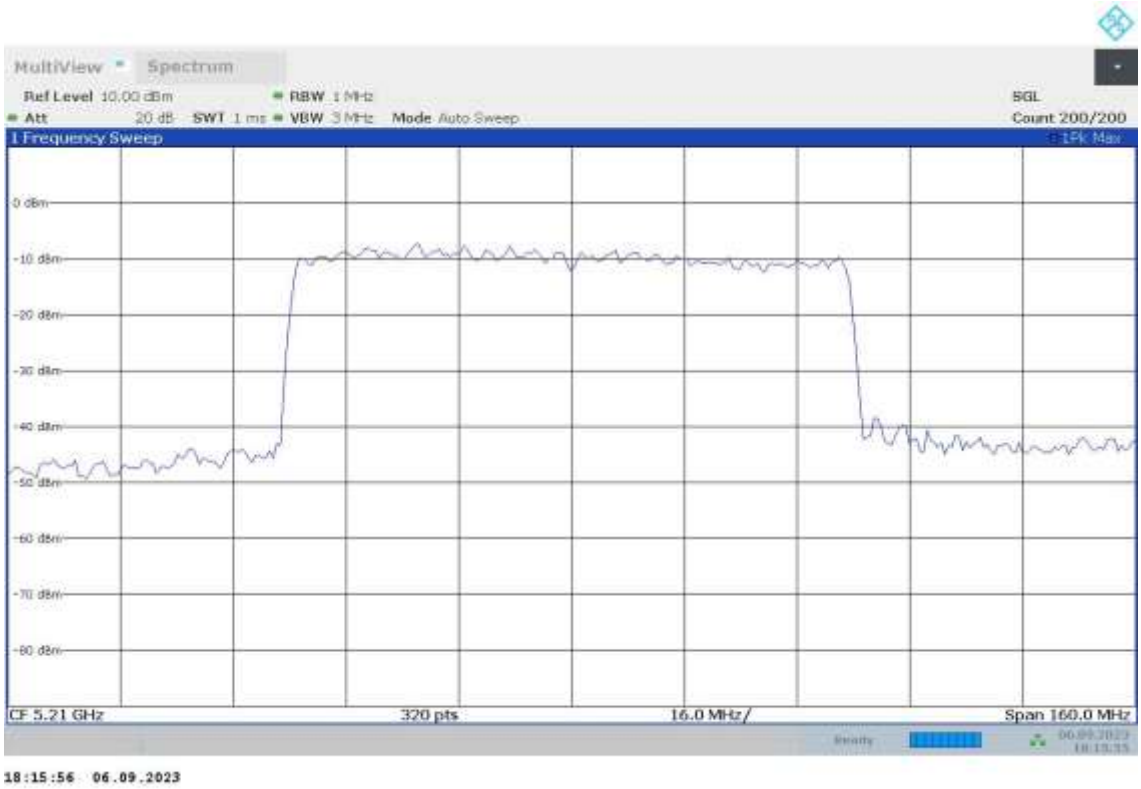
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



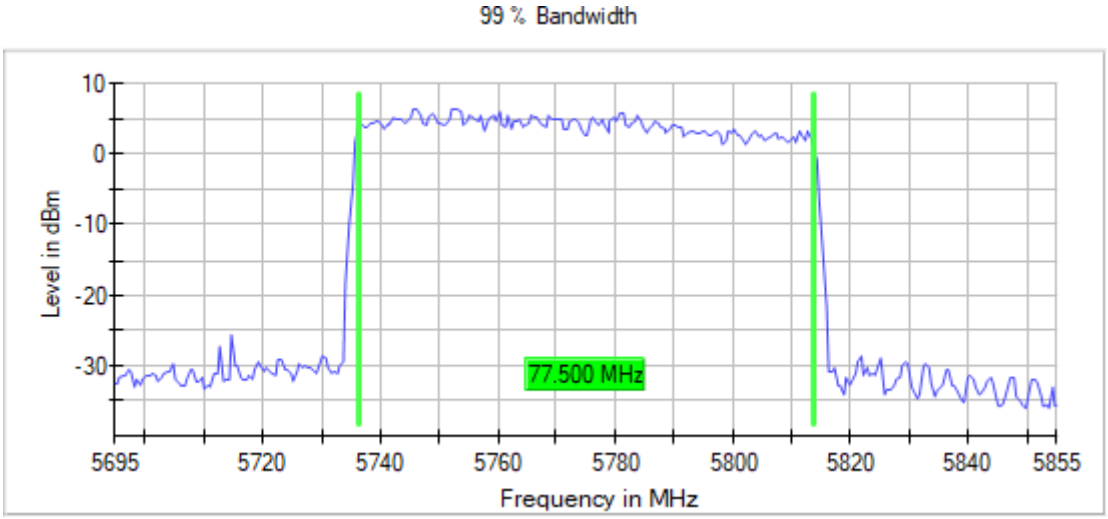


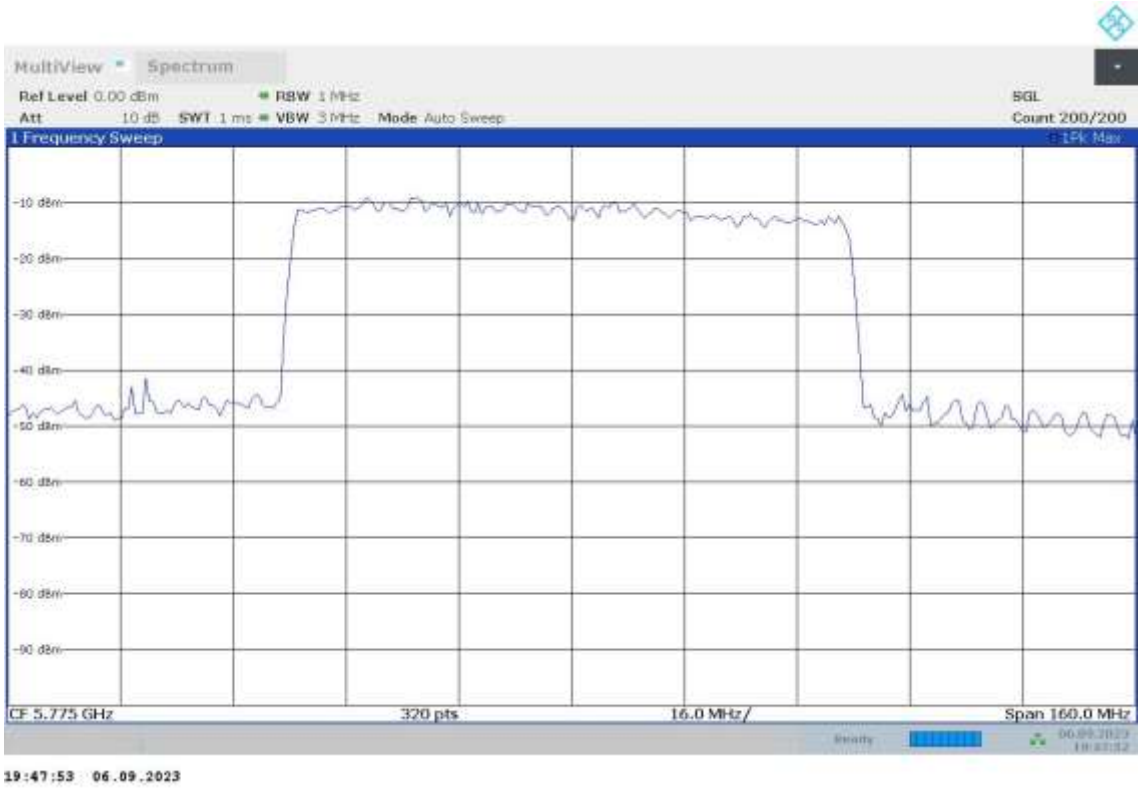
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:





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	16.600
		5200.00000	16.600
		5240.00000	16.600
		5745.00000	16.600
		5785.00000	16.600
		5825.00000	16.700

Verdict

Pass

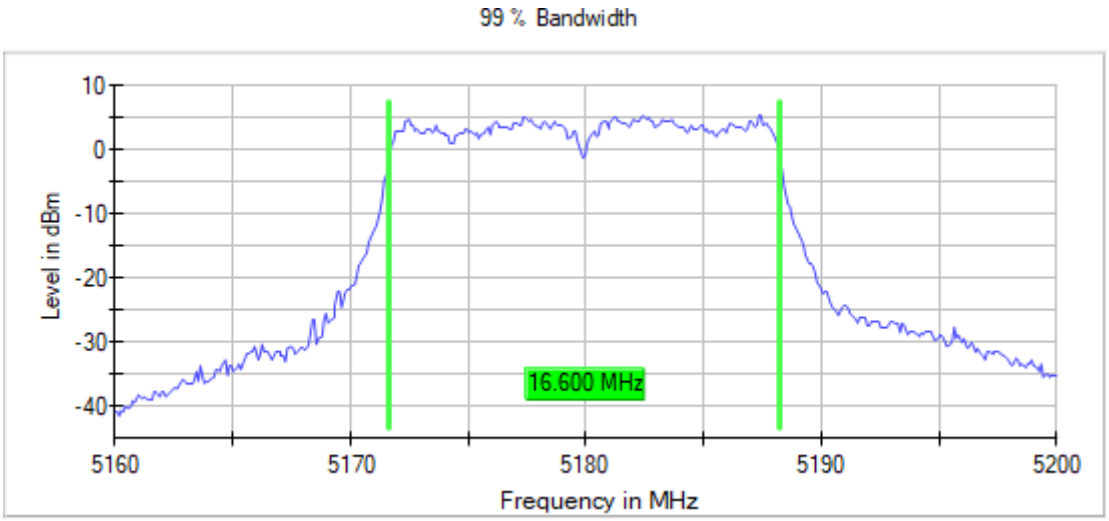
Attachments

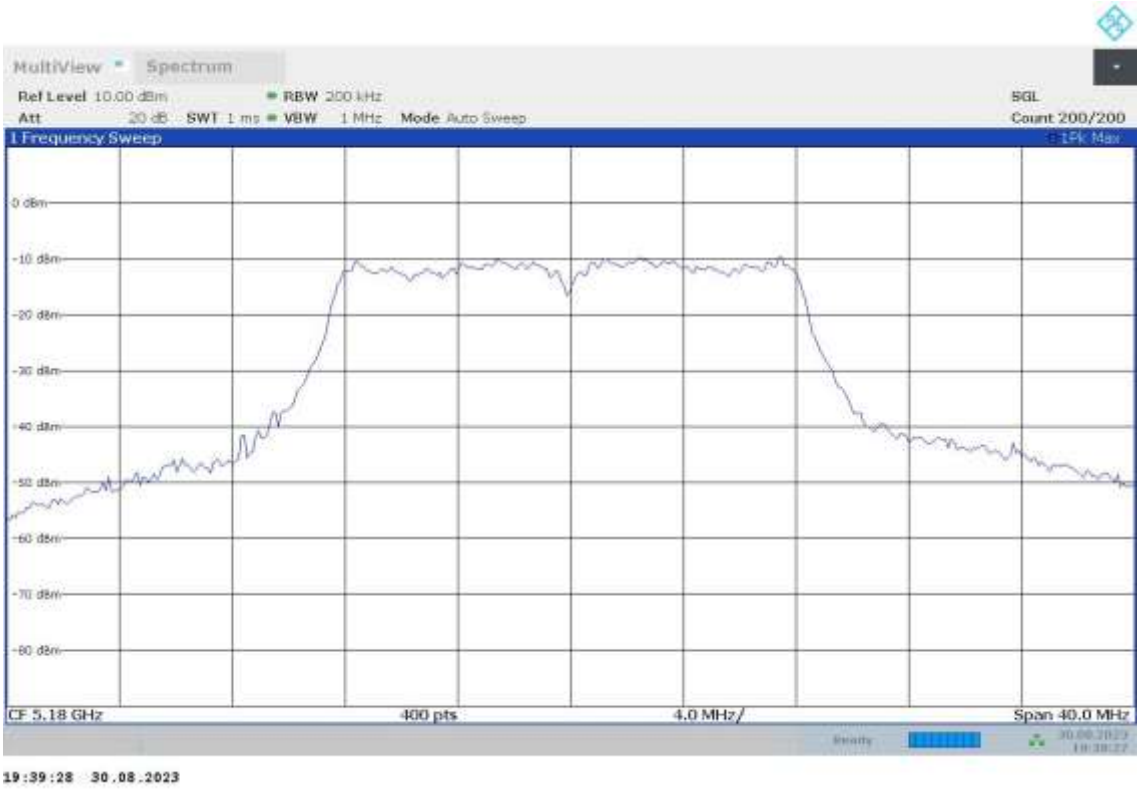
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



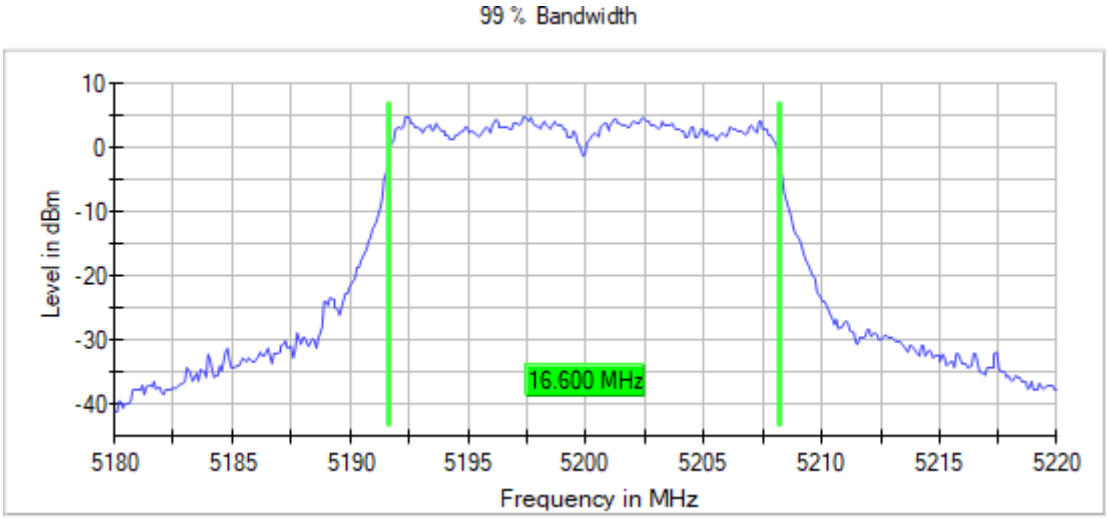


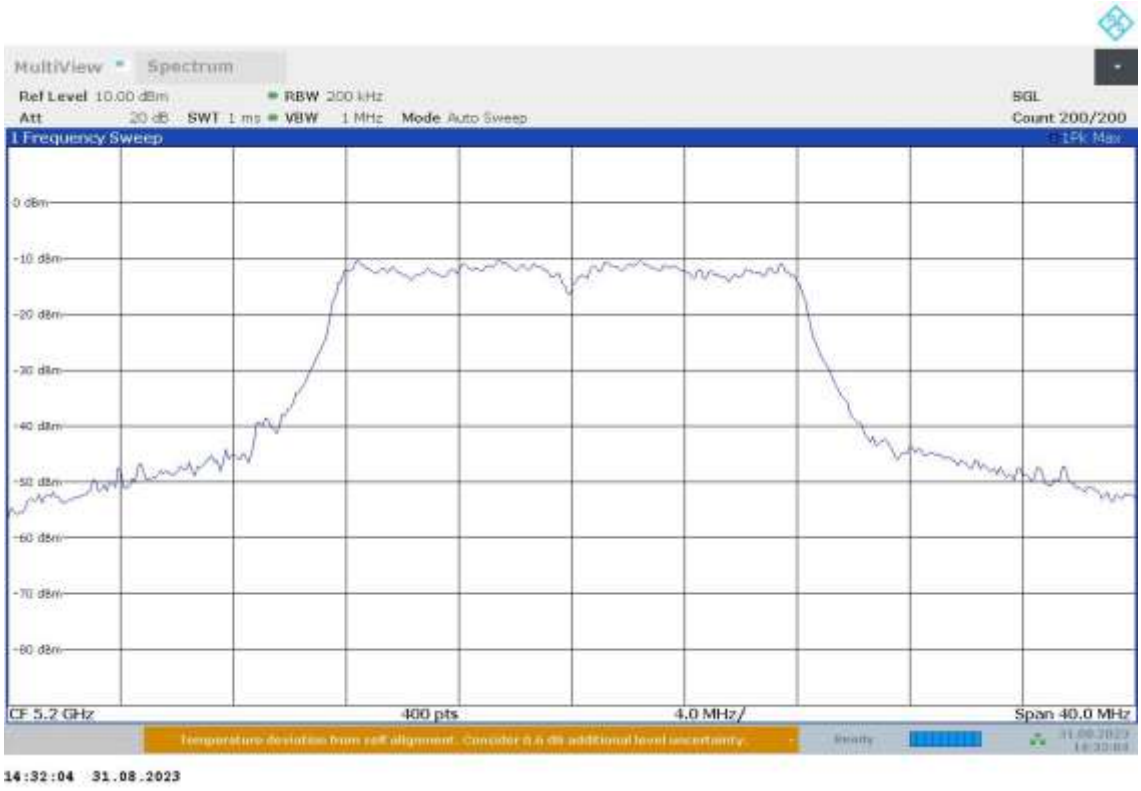
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



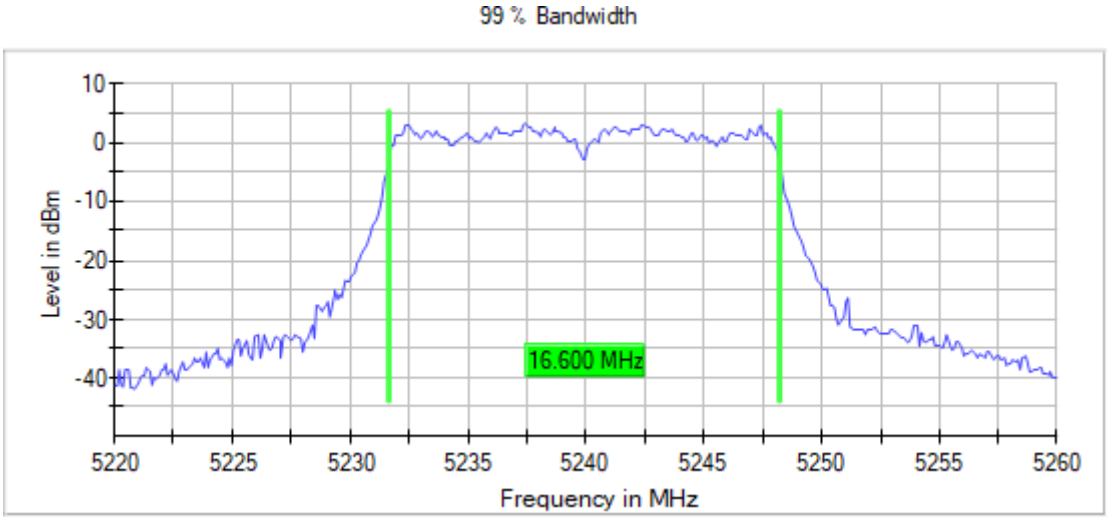


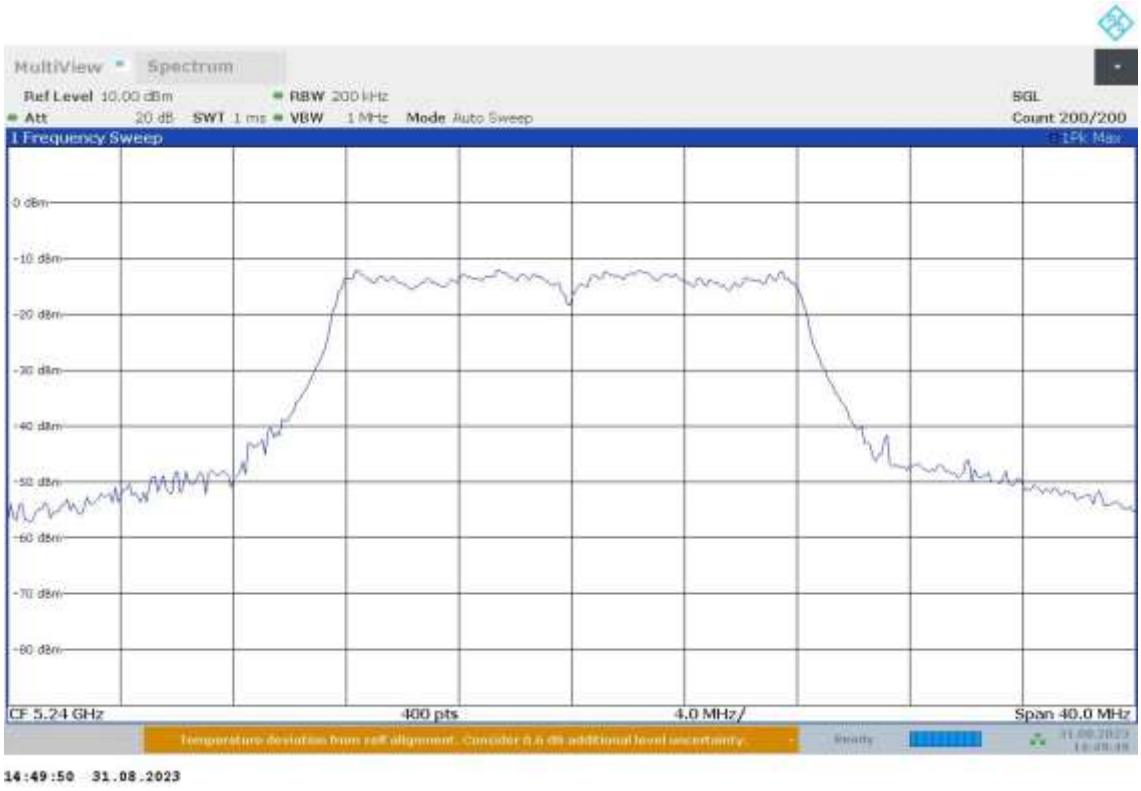
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



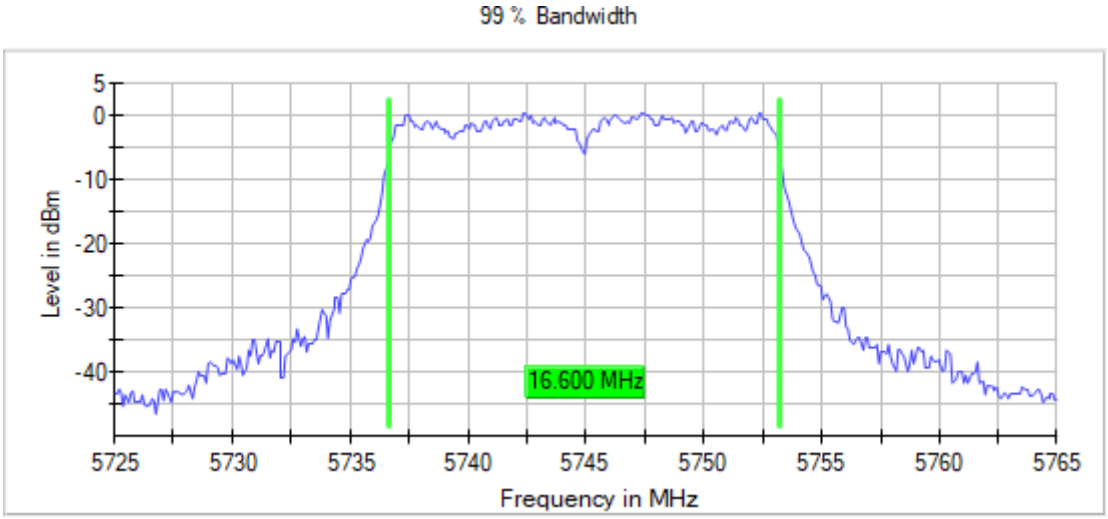


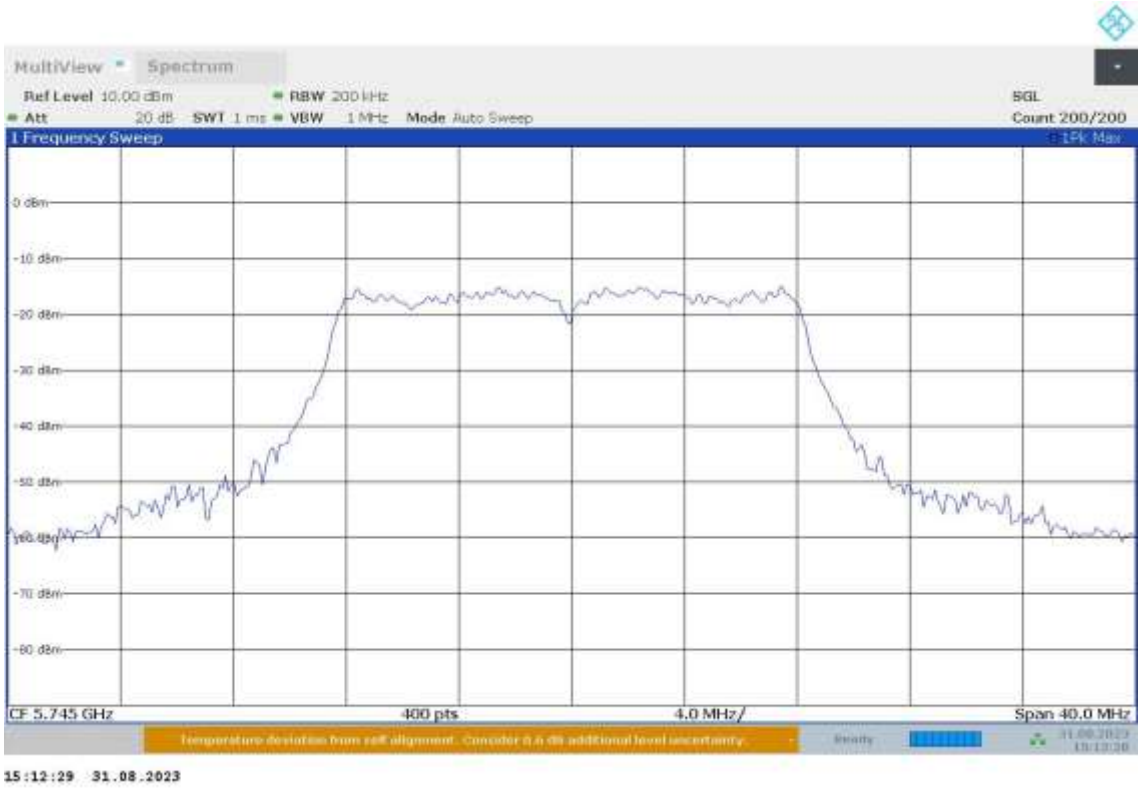
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



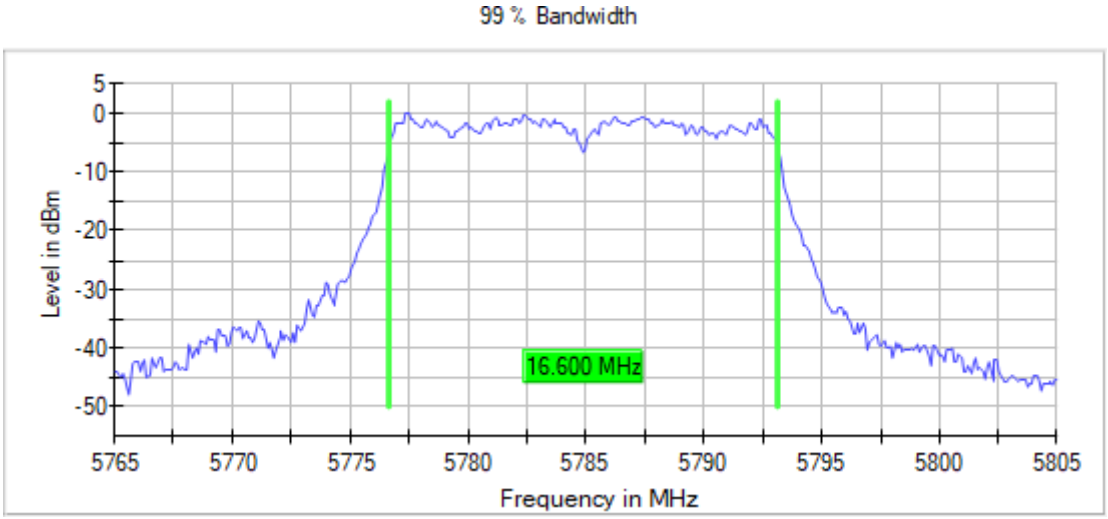


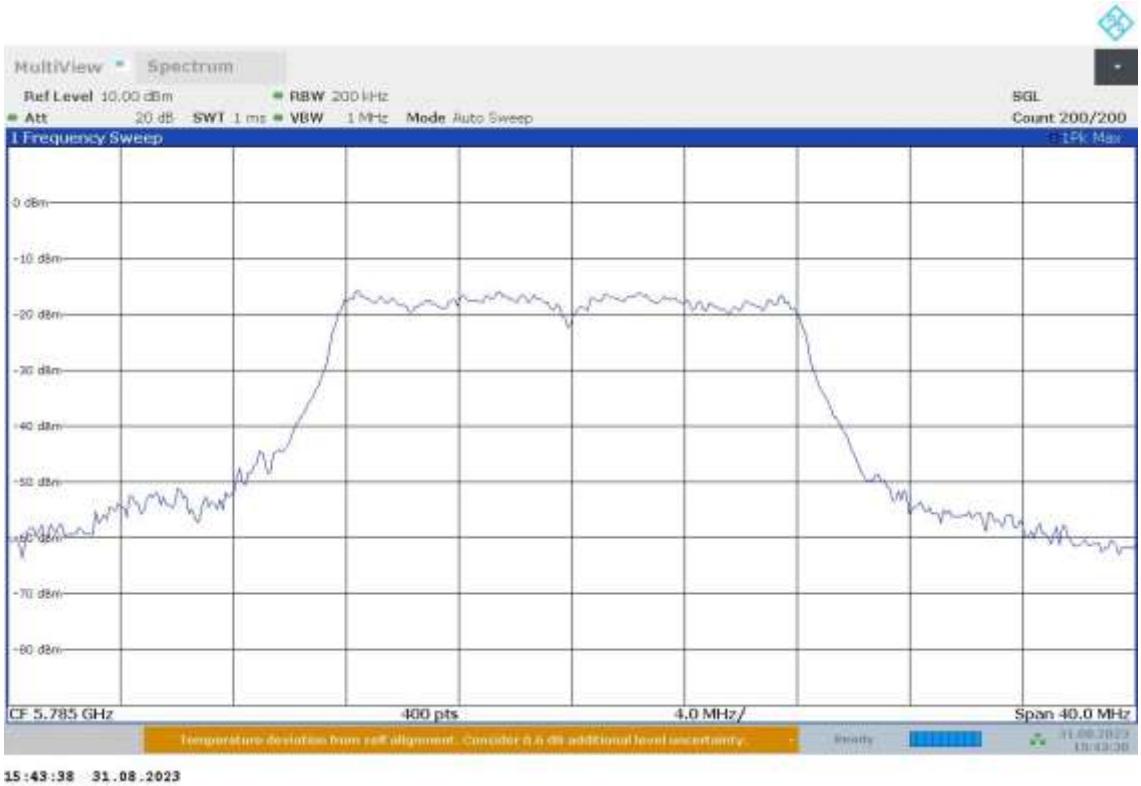
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



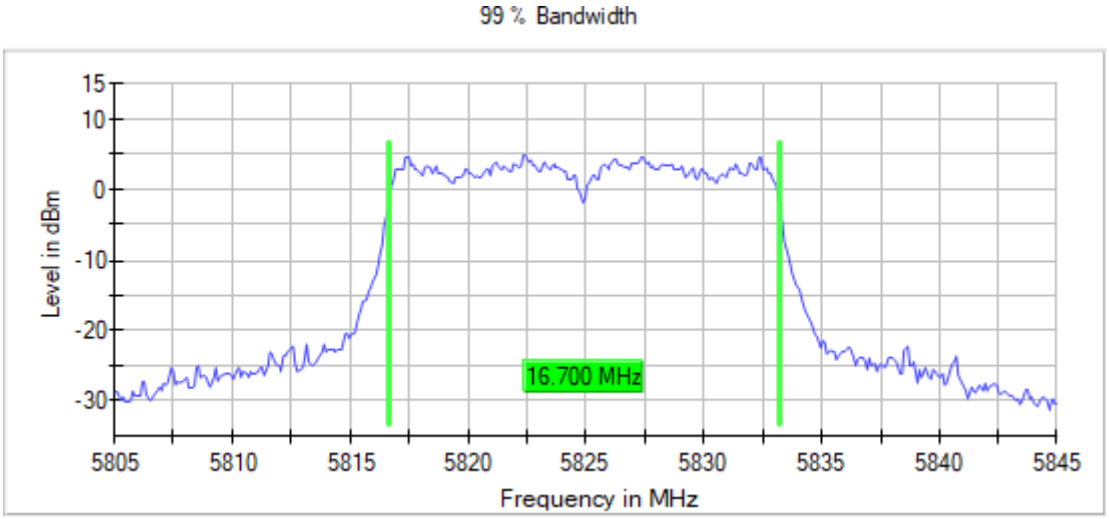


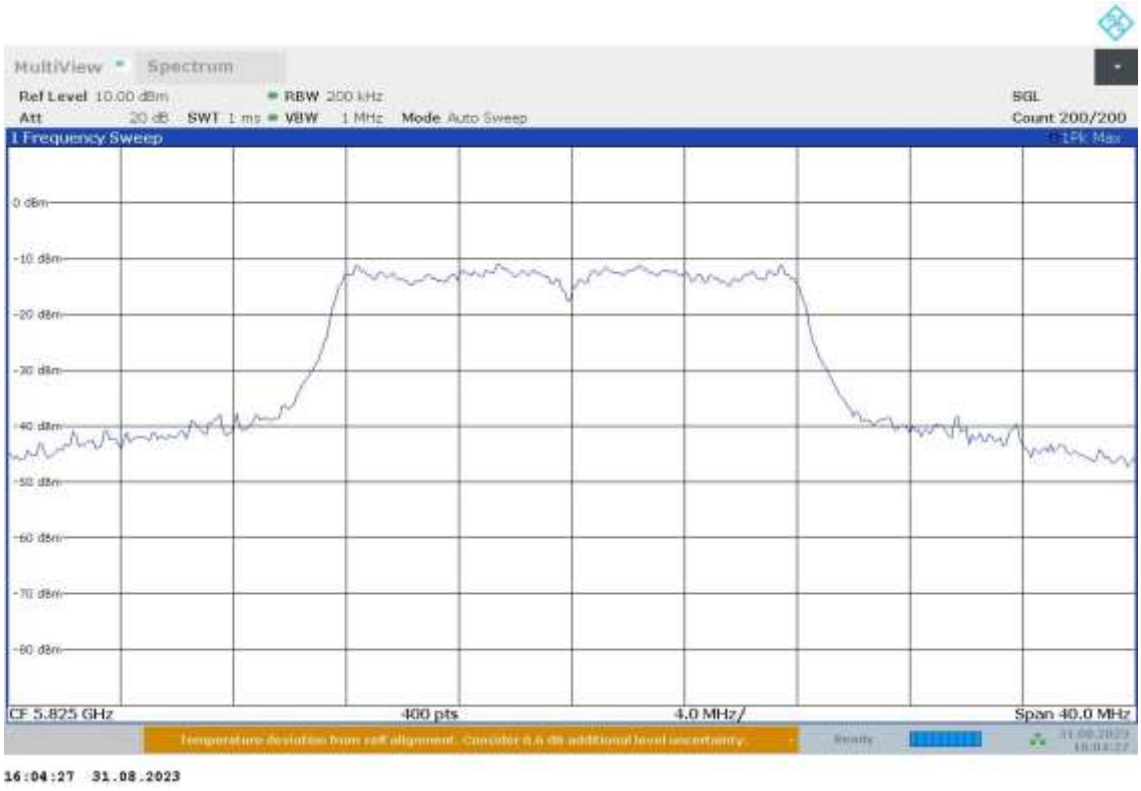
Operation Band MHz = [5150, 5850] Active Port = 1

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	17.600
		5200.00000	17.700
		5240.00000	17.700
		5745.00000	17.600
		5785.00000	17.700
		5825.00000	17.700

Verdict

Pass

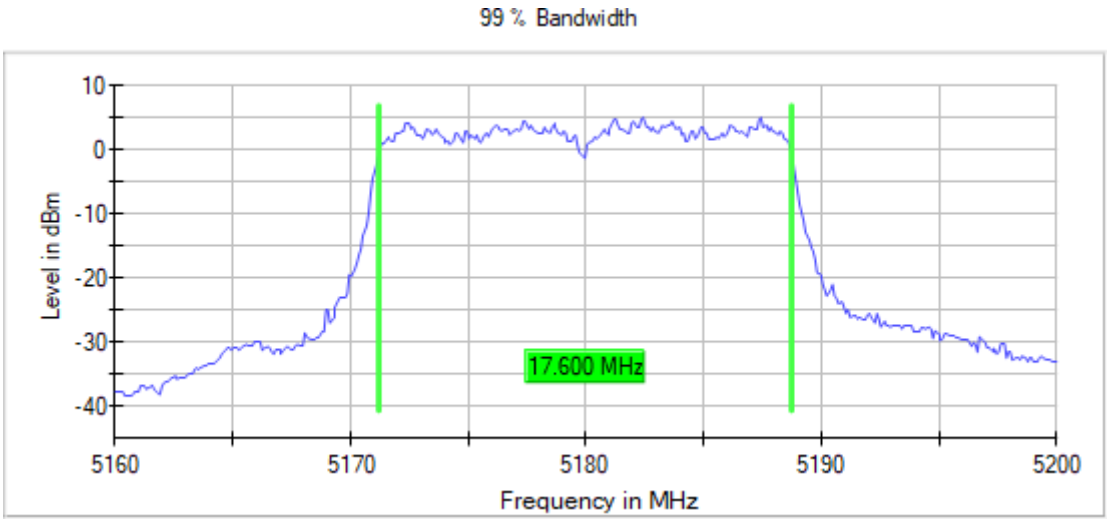
Attachments

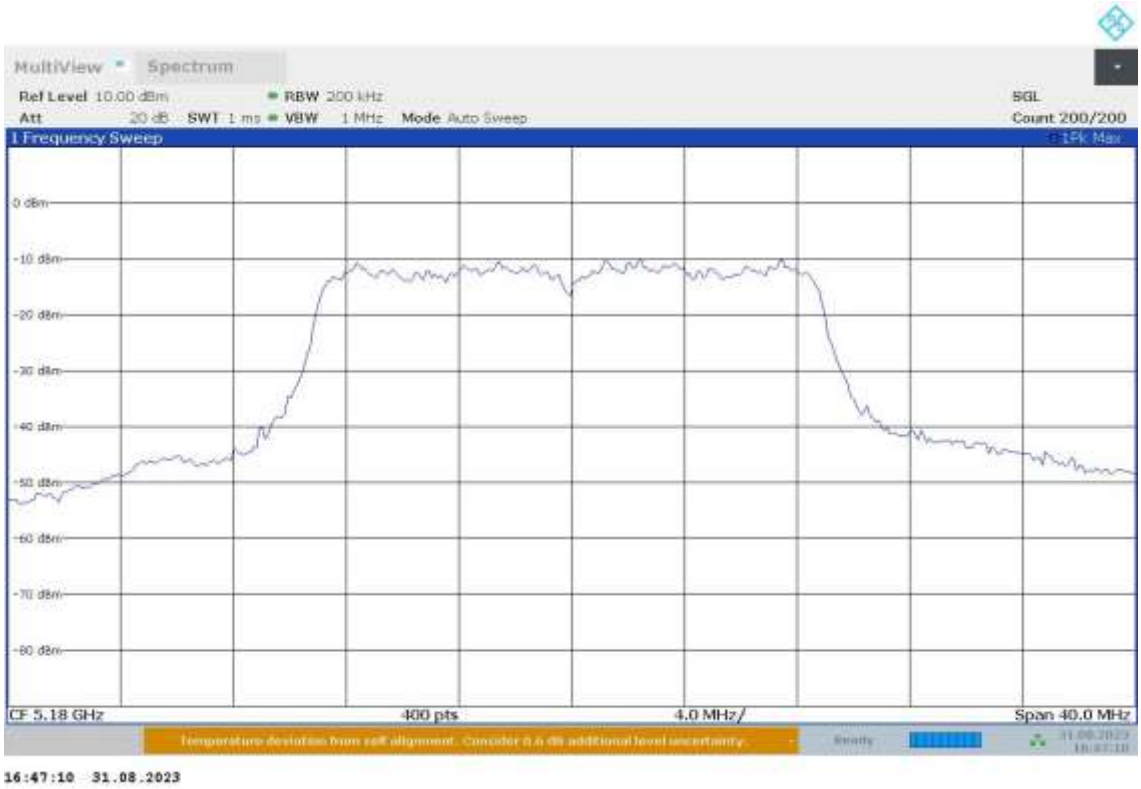
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



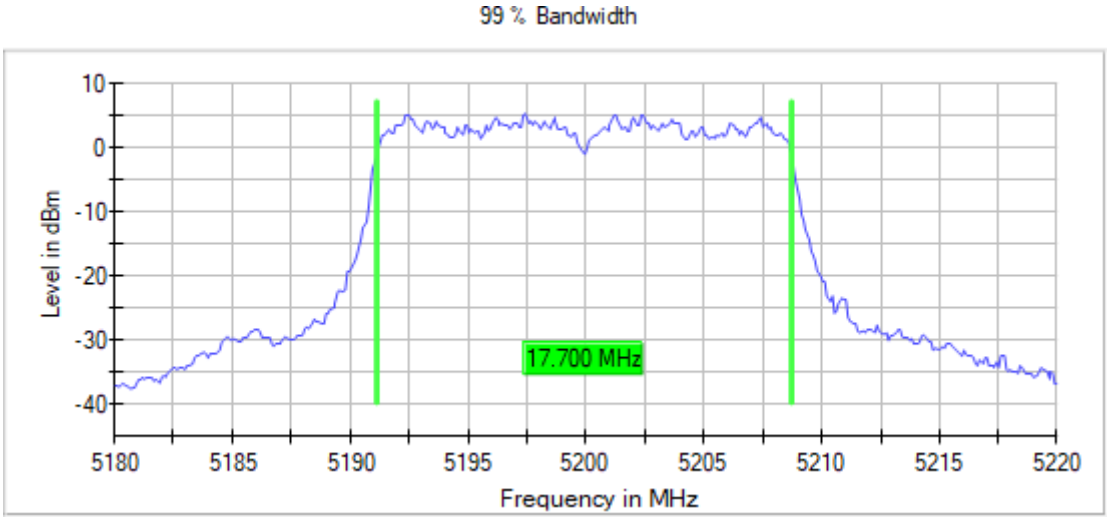


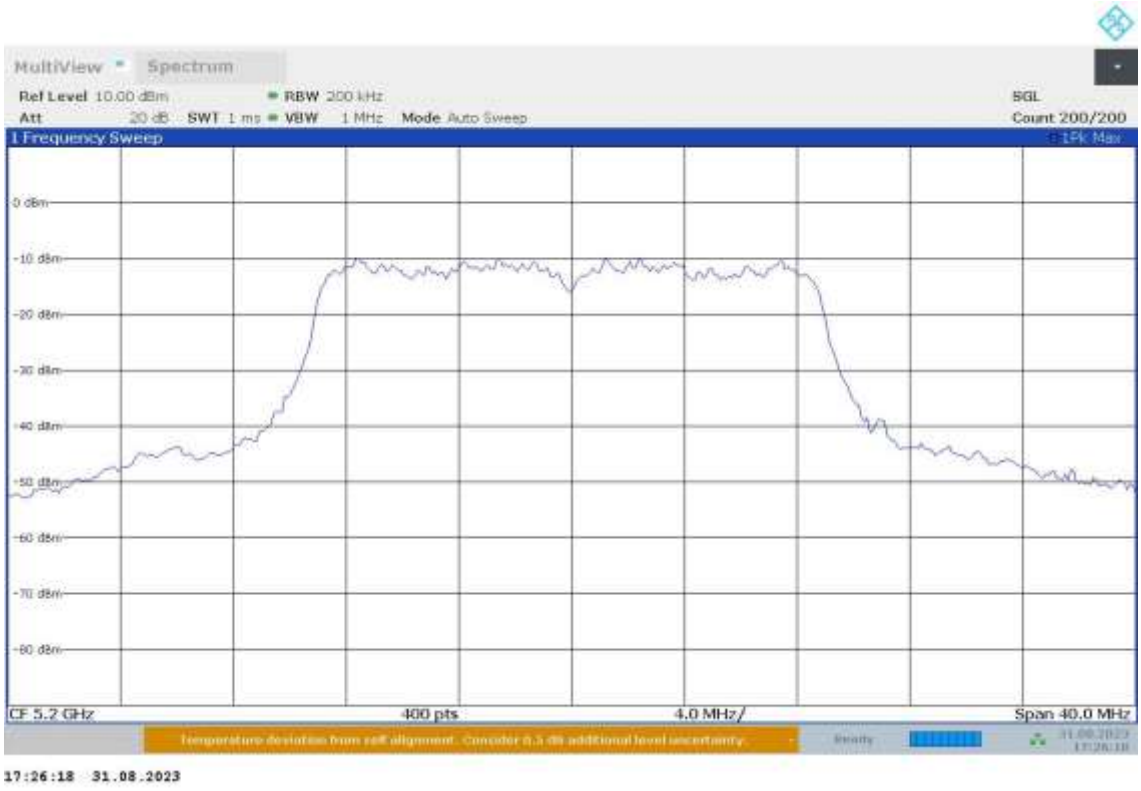
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



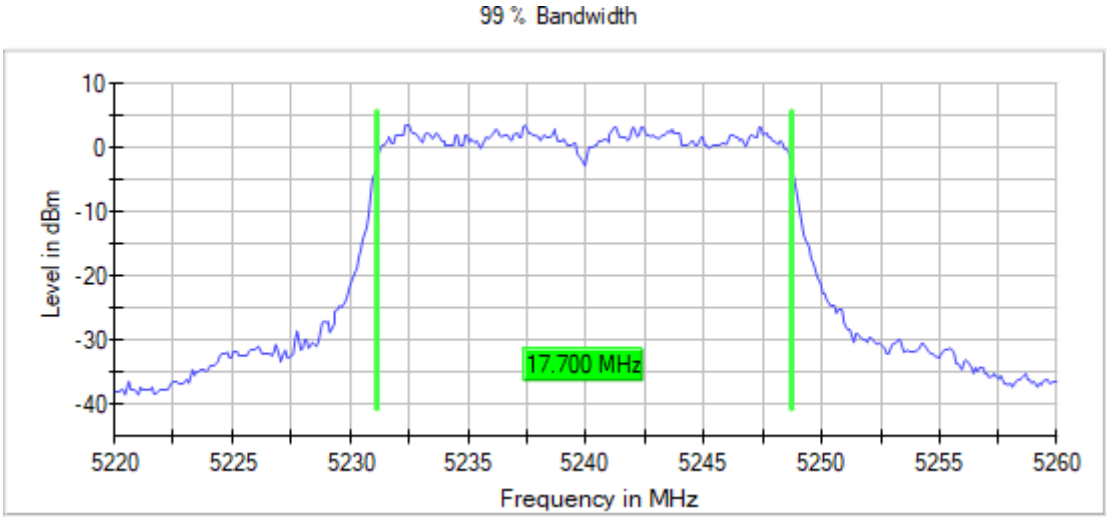


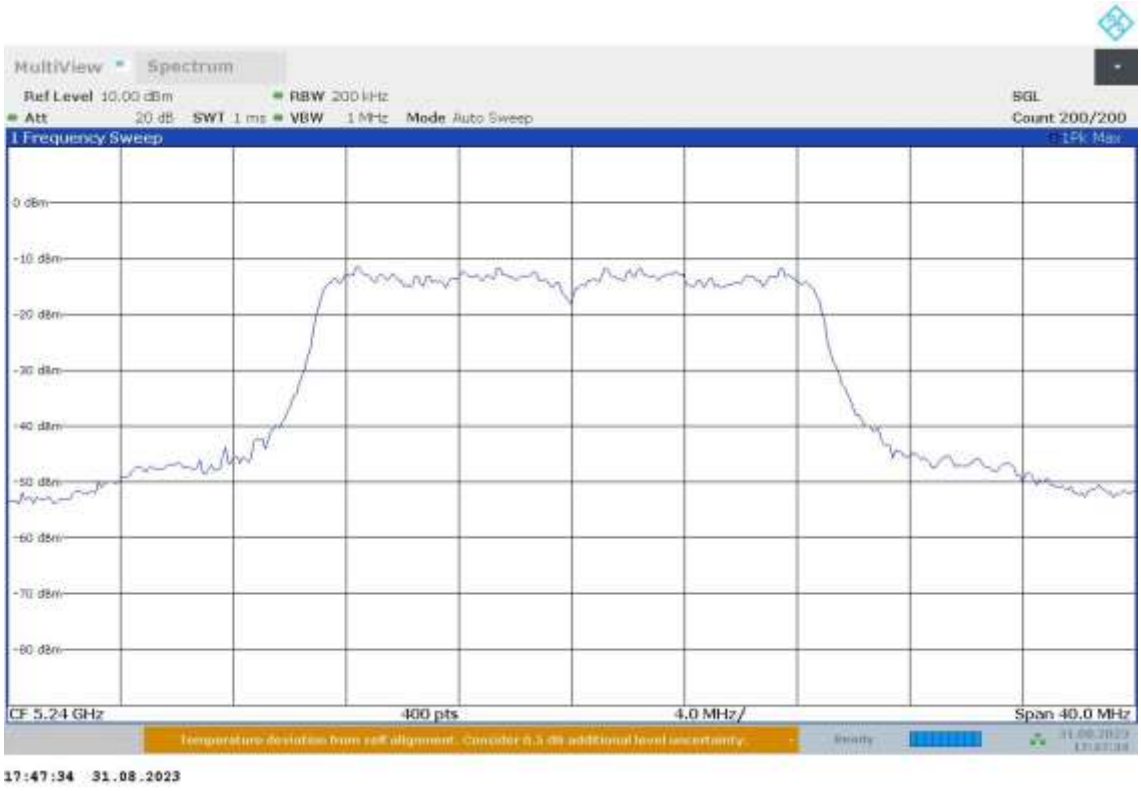
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



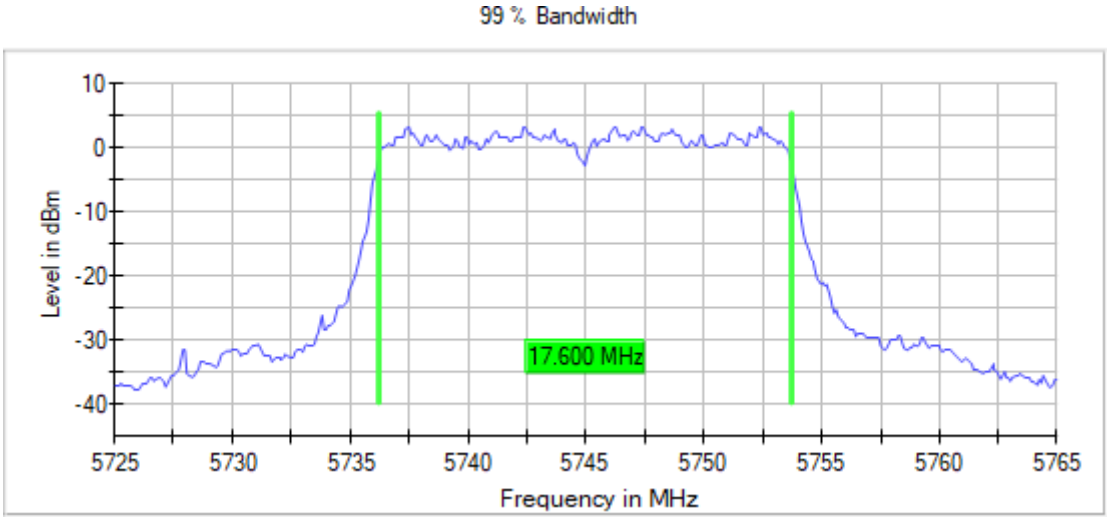


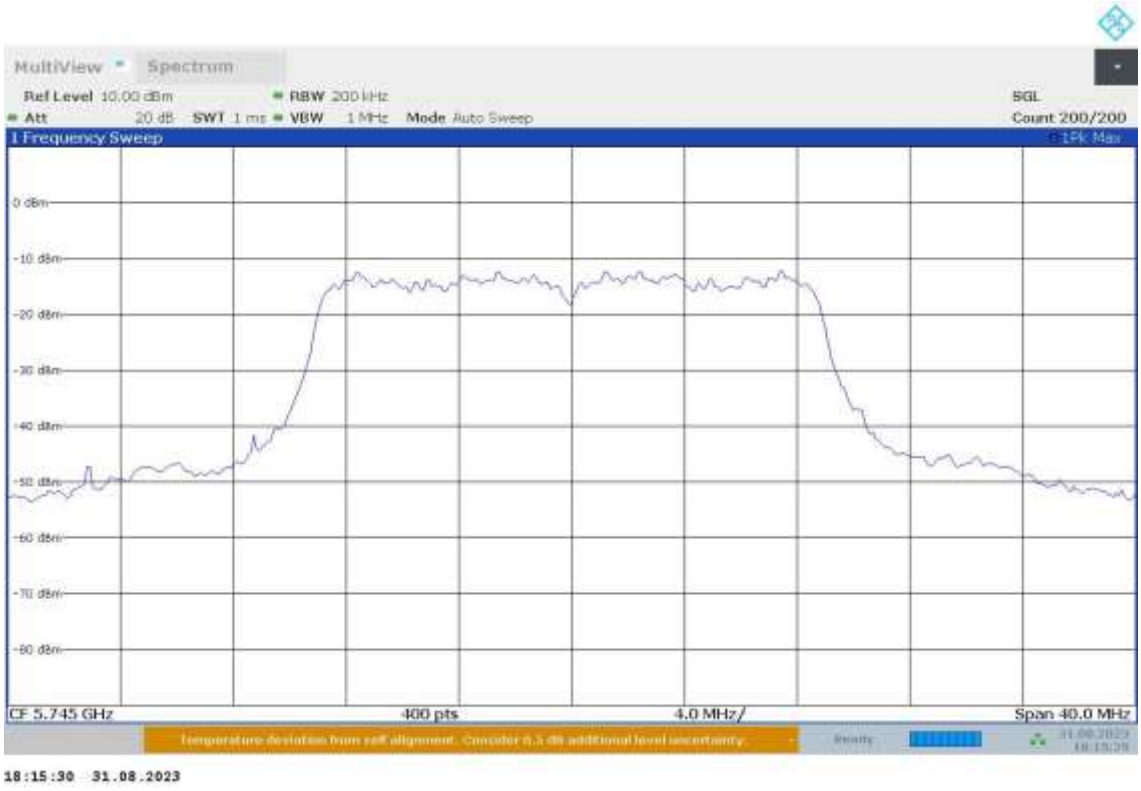
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



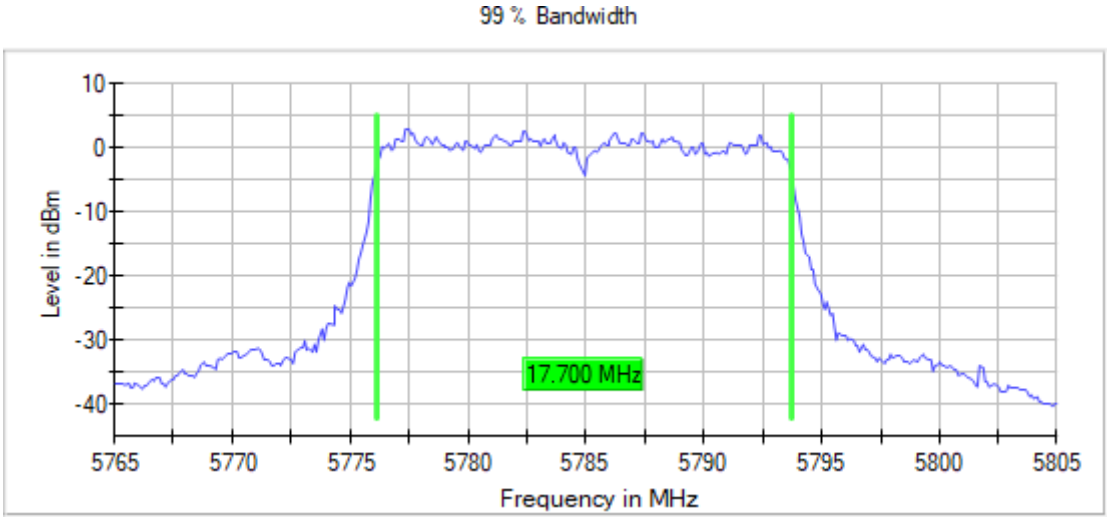


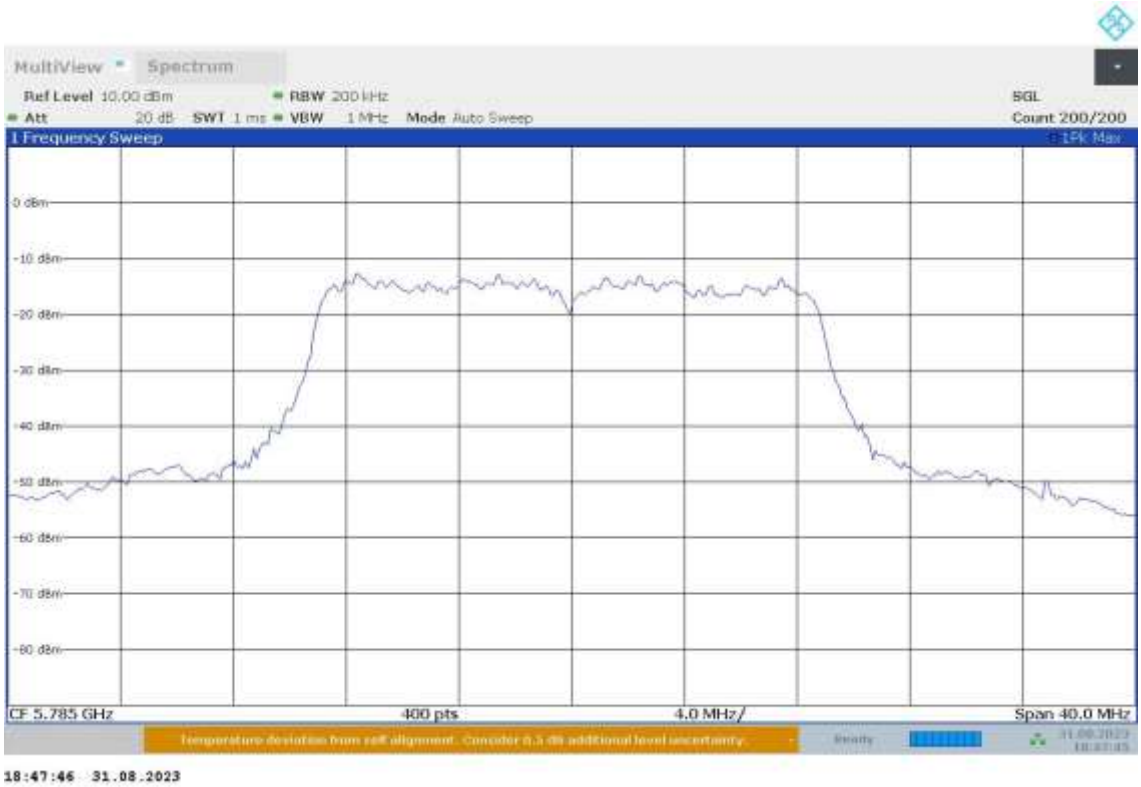
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



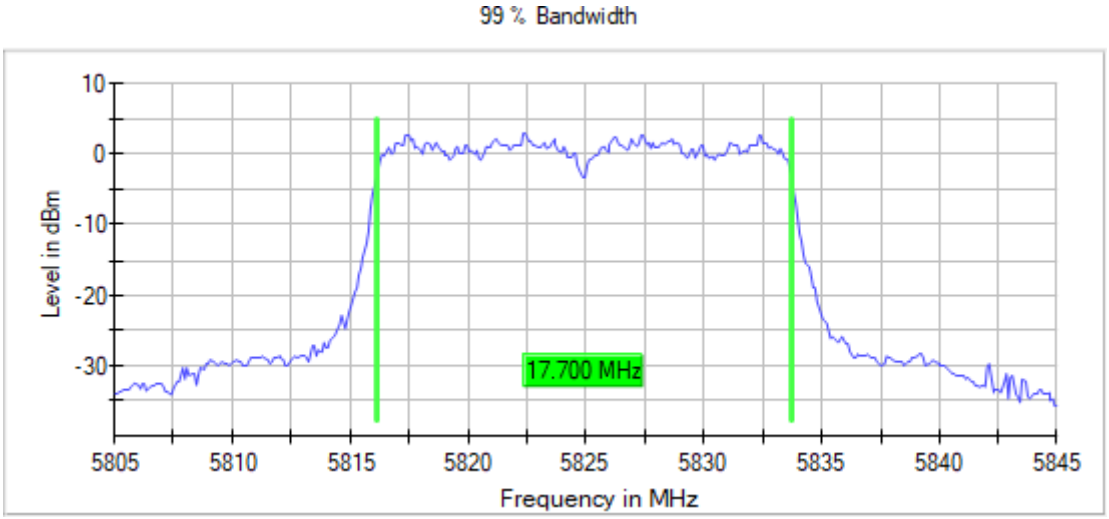


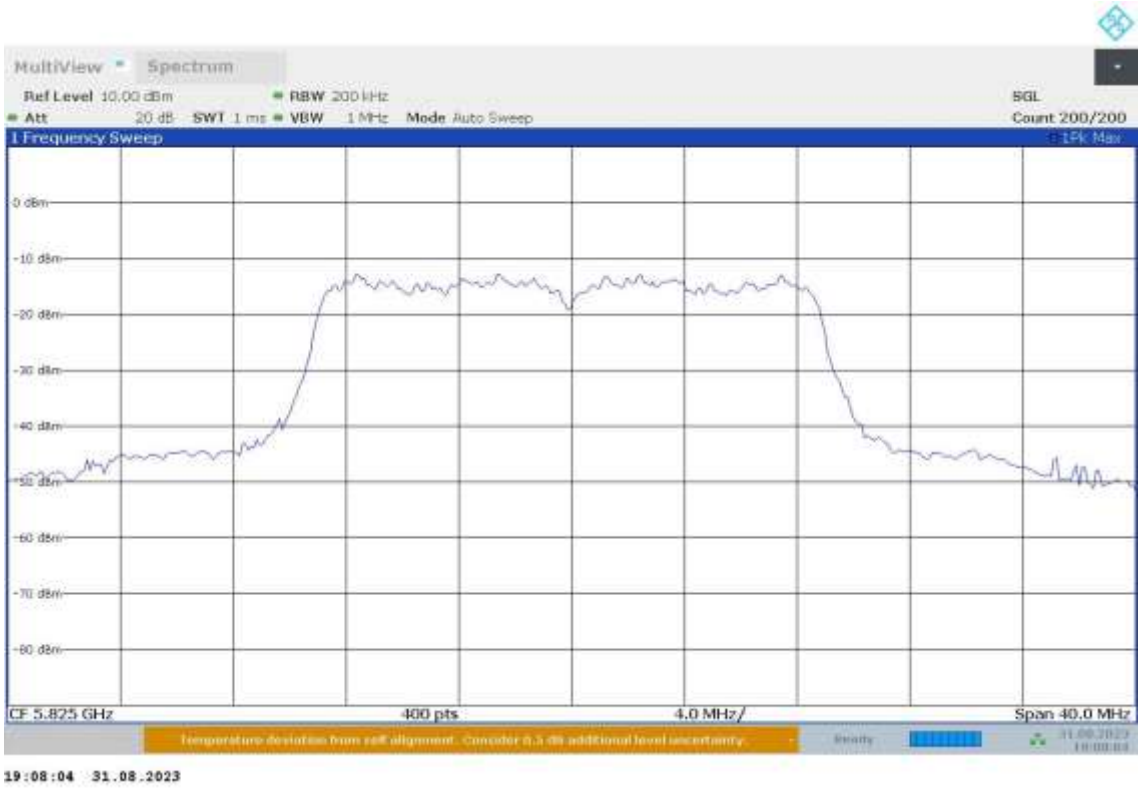
Operation Band MHz = [5150, 5850] Active Port = 1

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	36.250
		5230.00000	36.500
		5755.00000	36.500
		5795.00000	36.750

Verdict

Pass

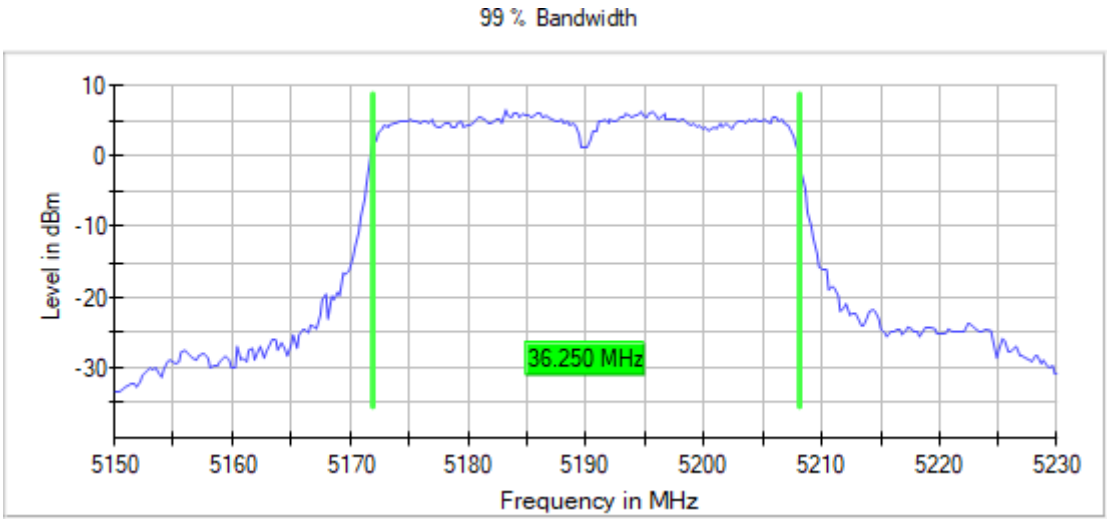
Attachments

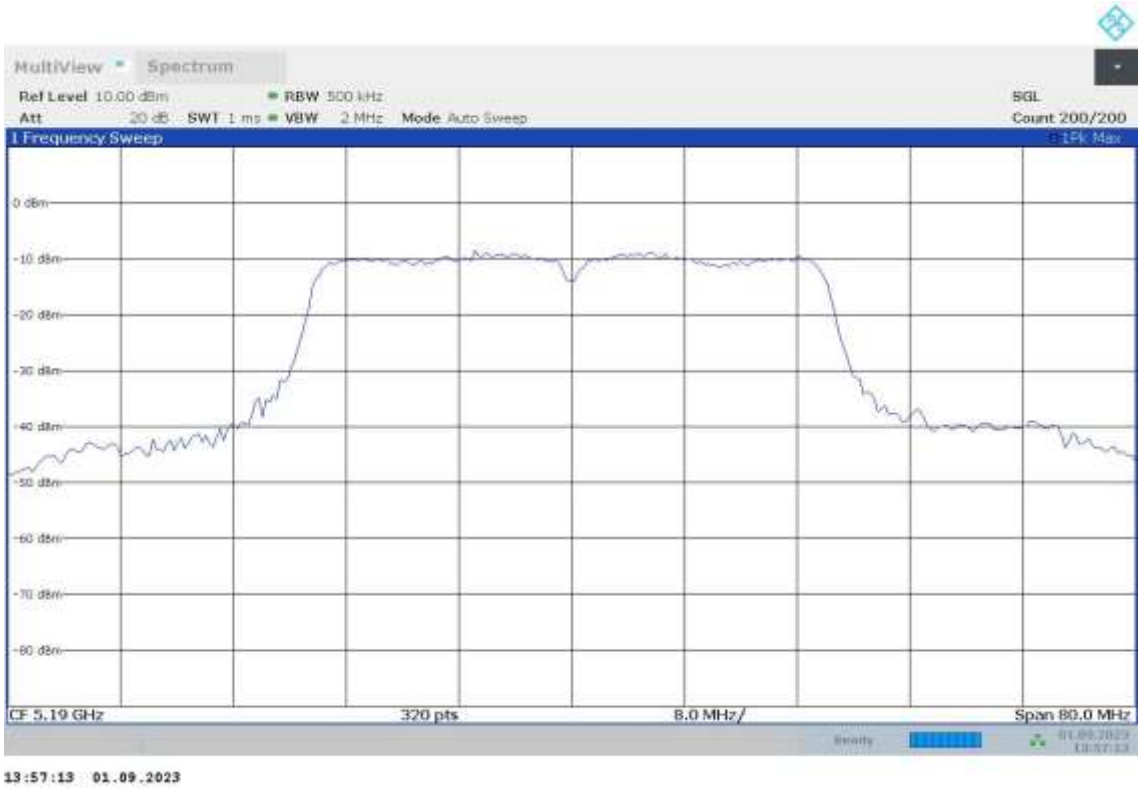
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



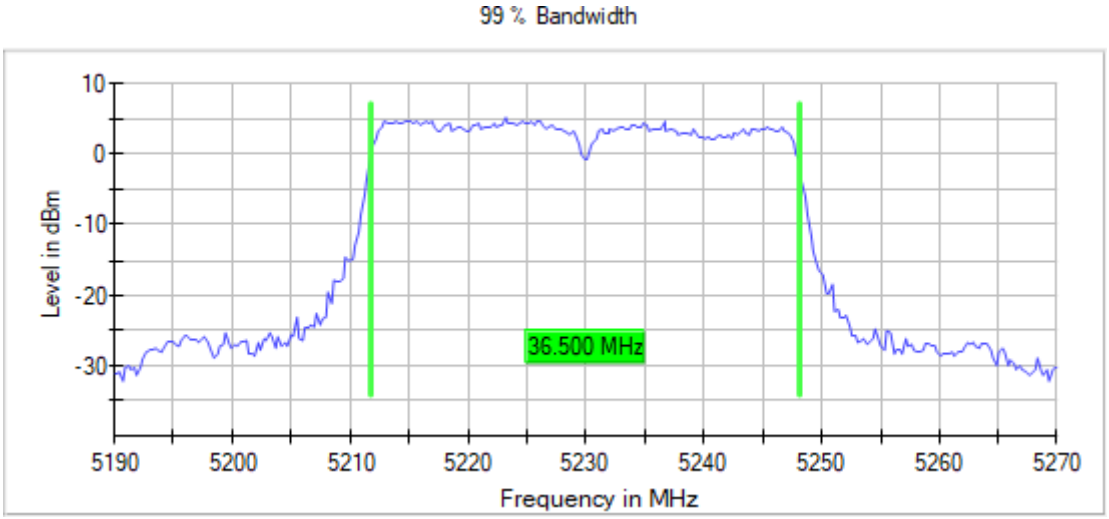


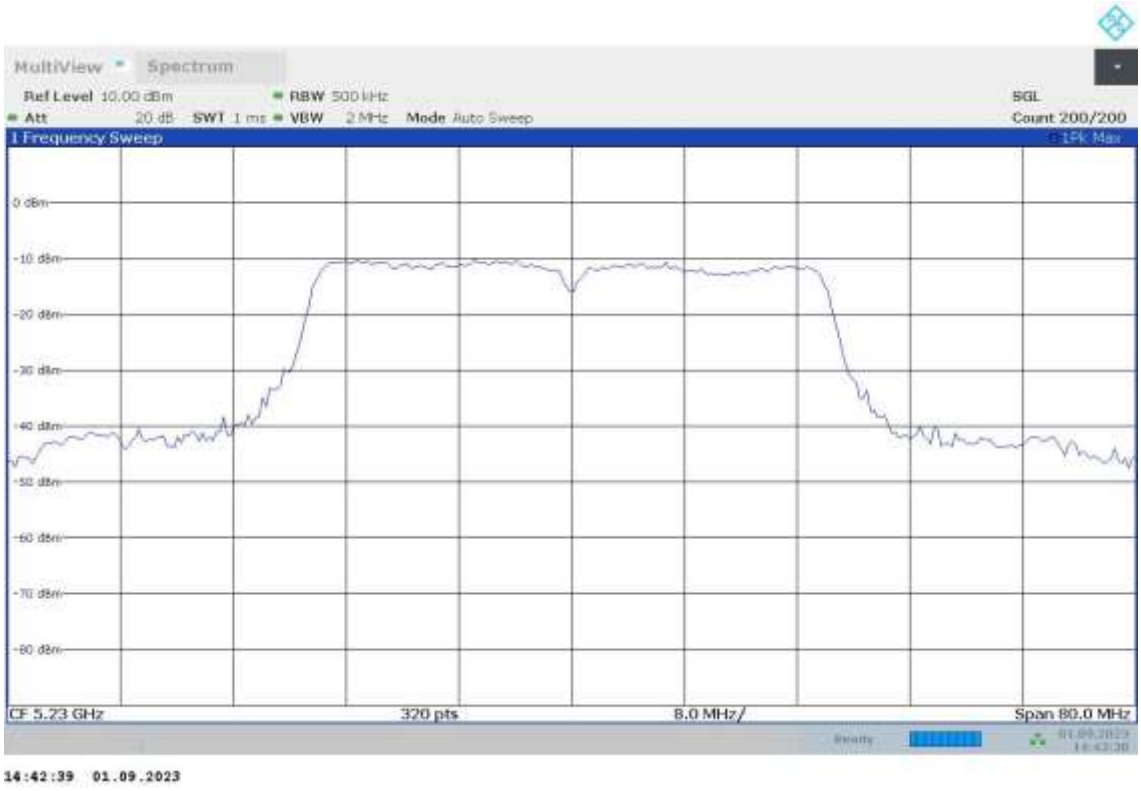
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



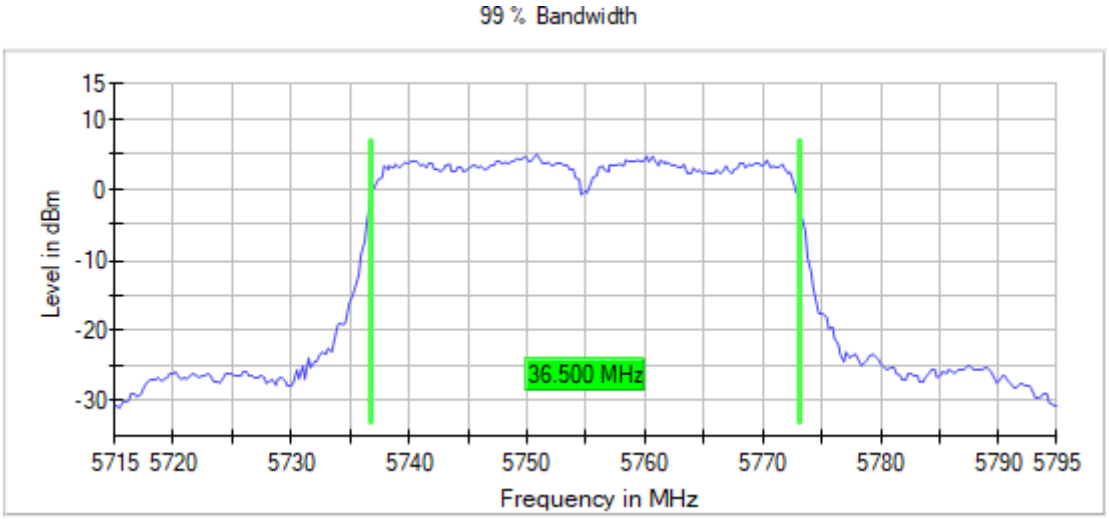


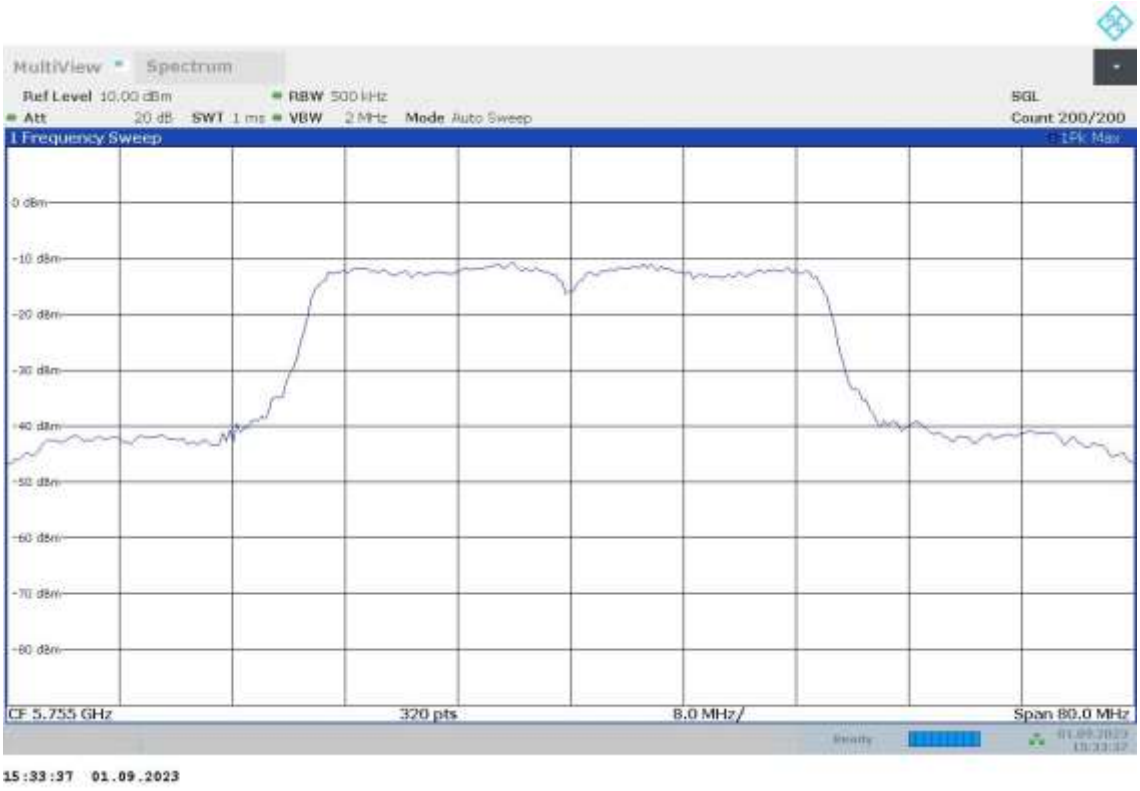
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



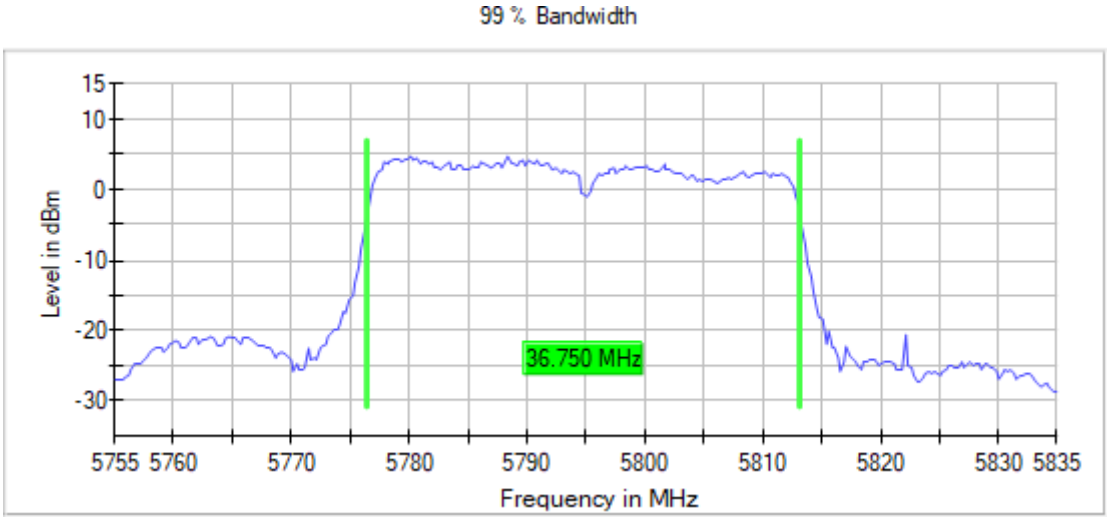


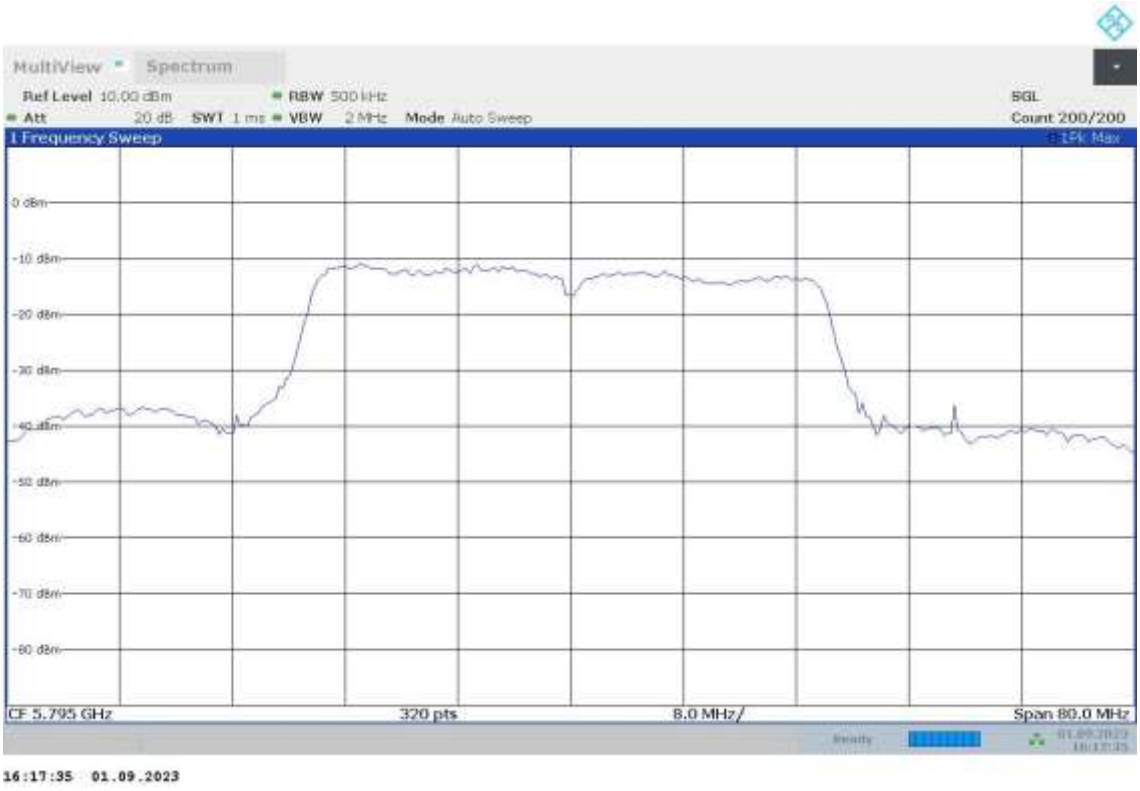
Operation Band MHz = [5150, 5850] Active Port = 1

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	20.400
		5745.00000	20.200
		5785.00000	20.100
		5825.00000	20.600

Verdict

Pass

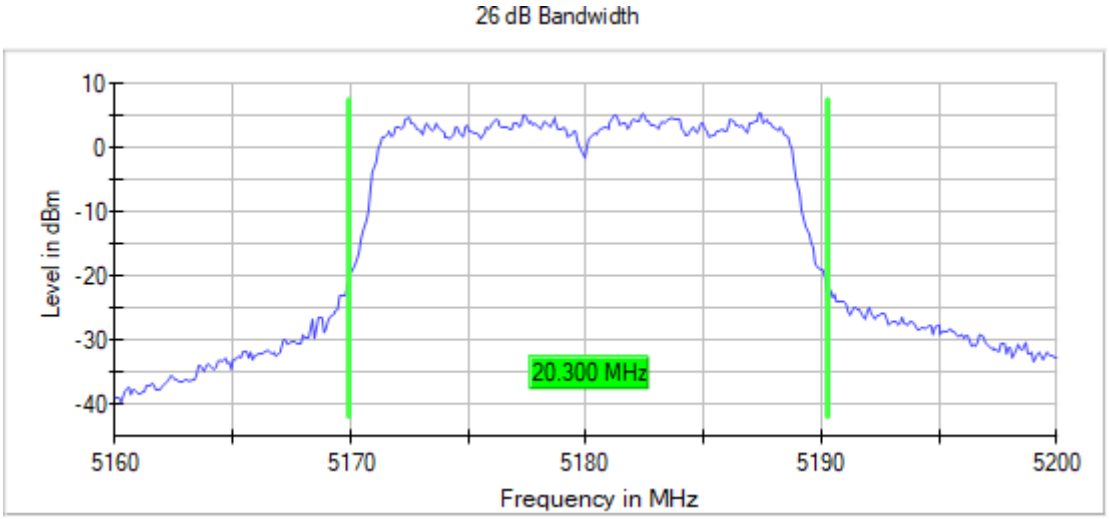
Attachments

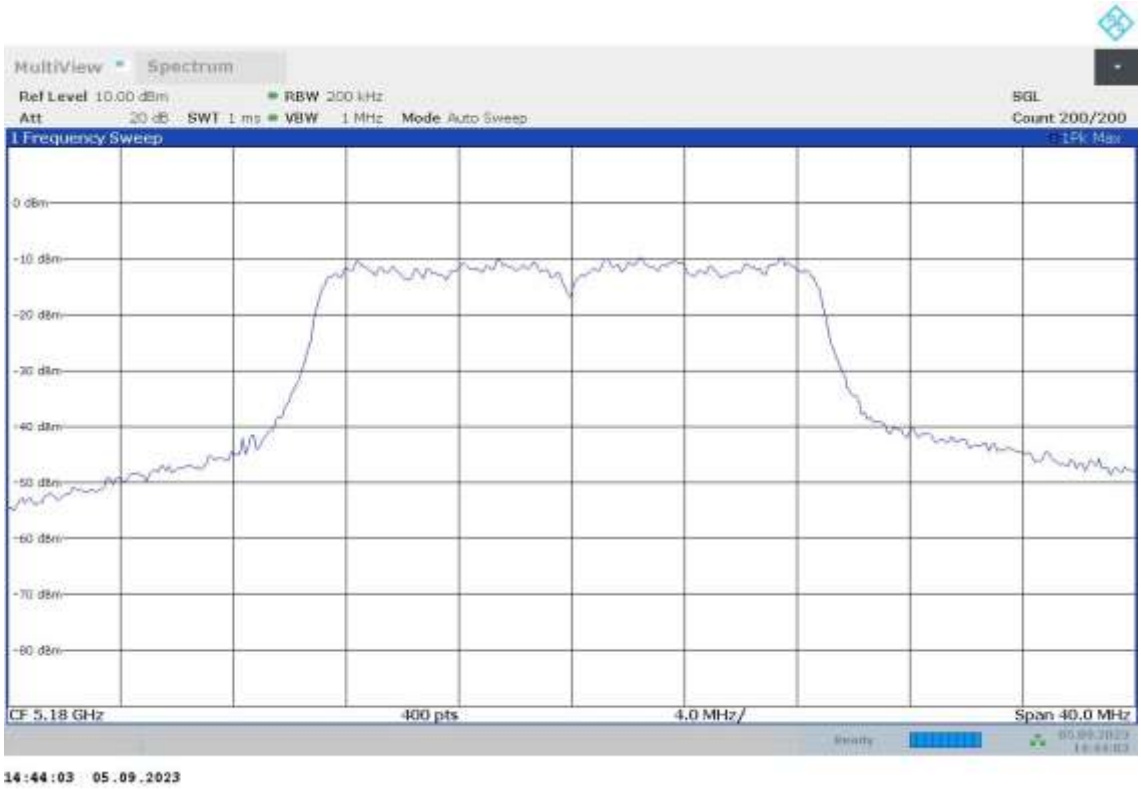
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



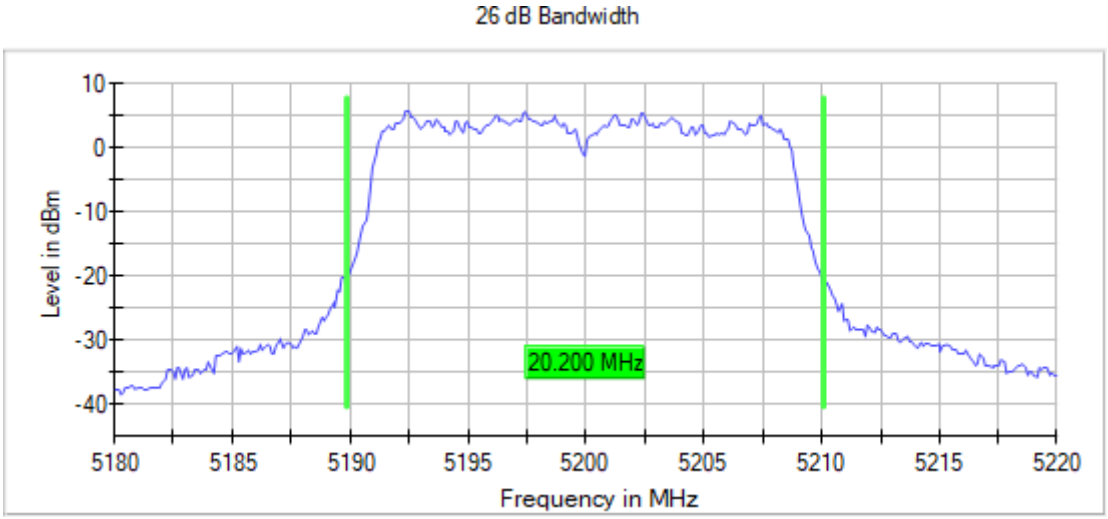


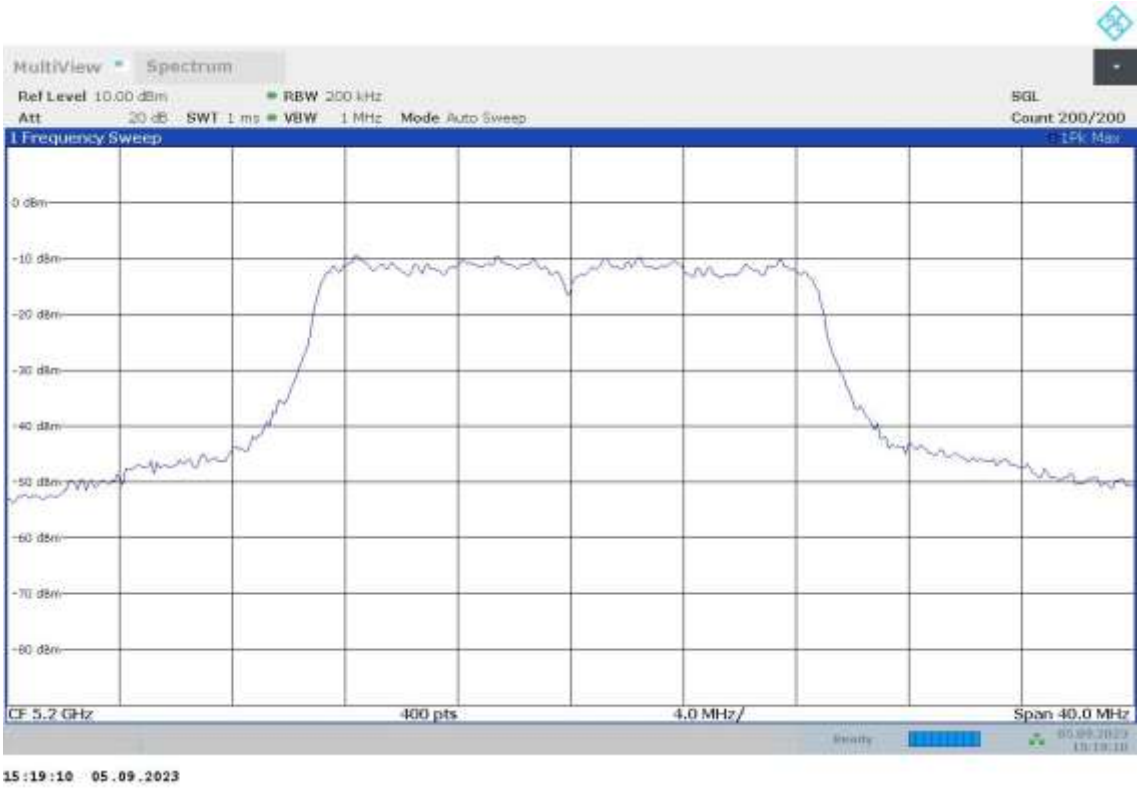
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



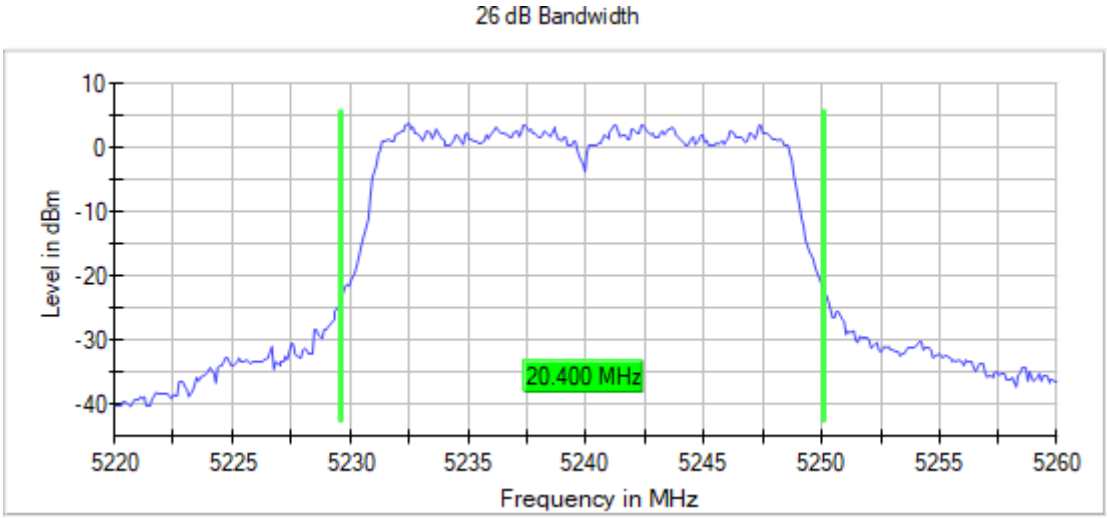


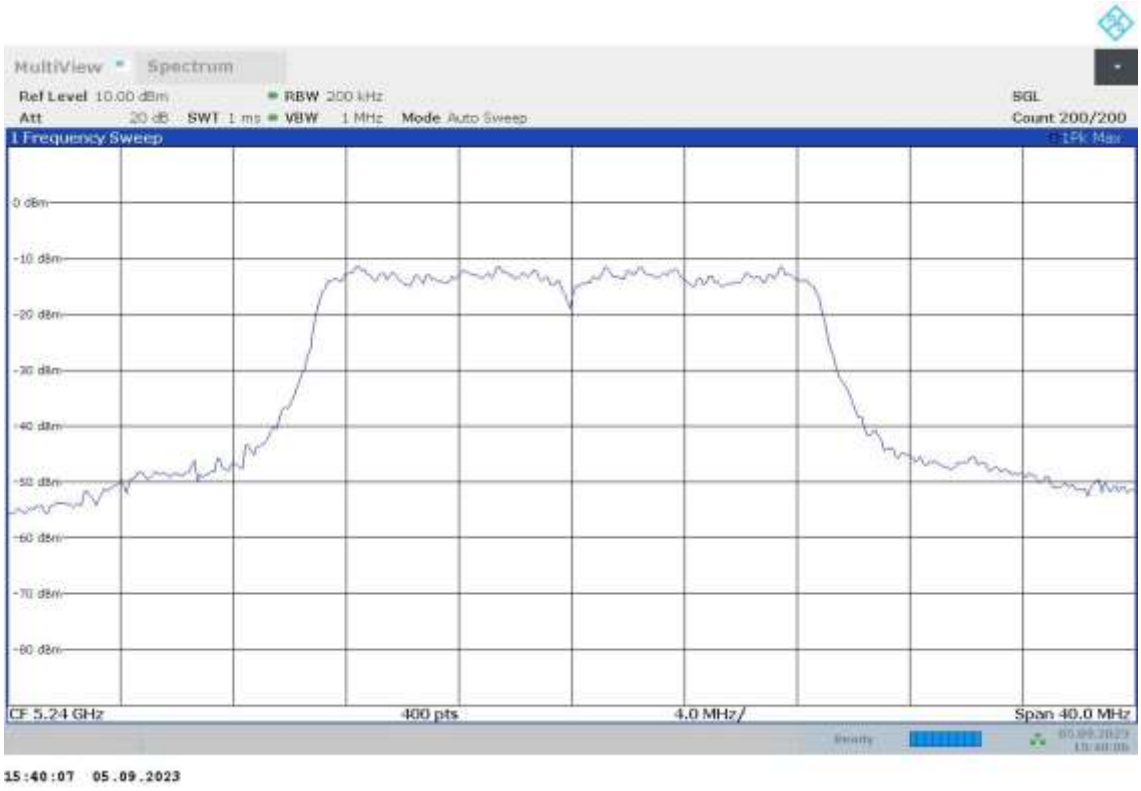
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



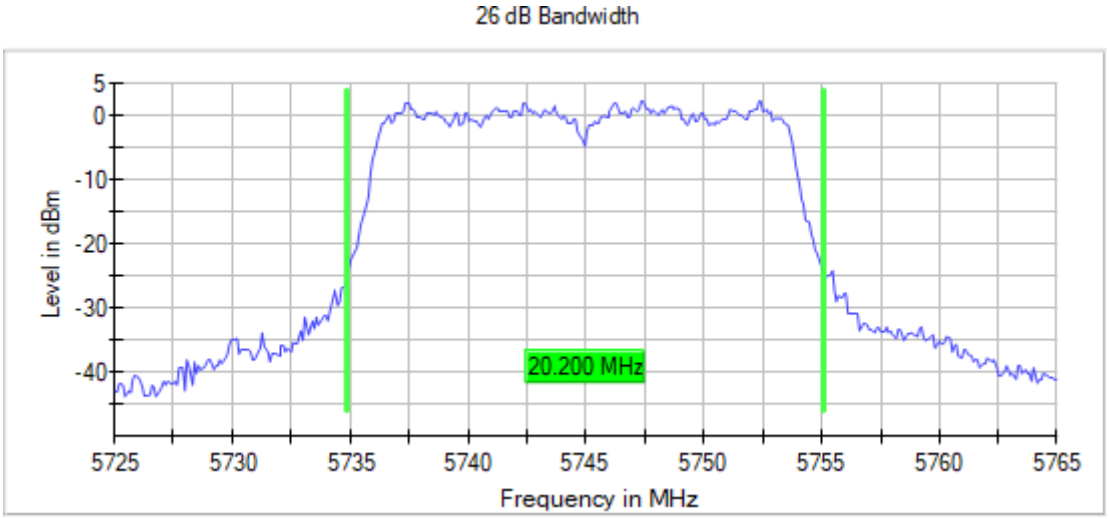


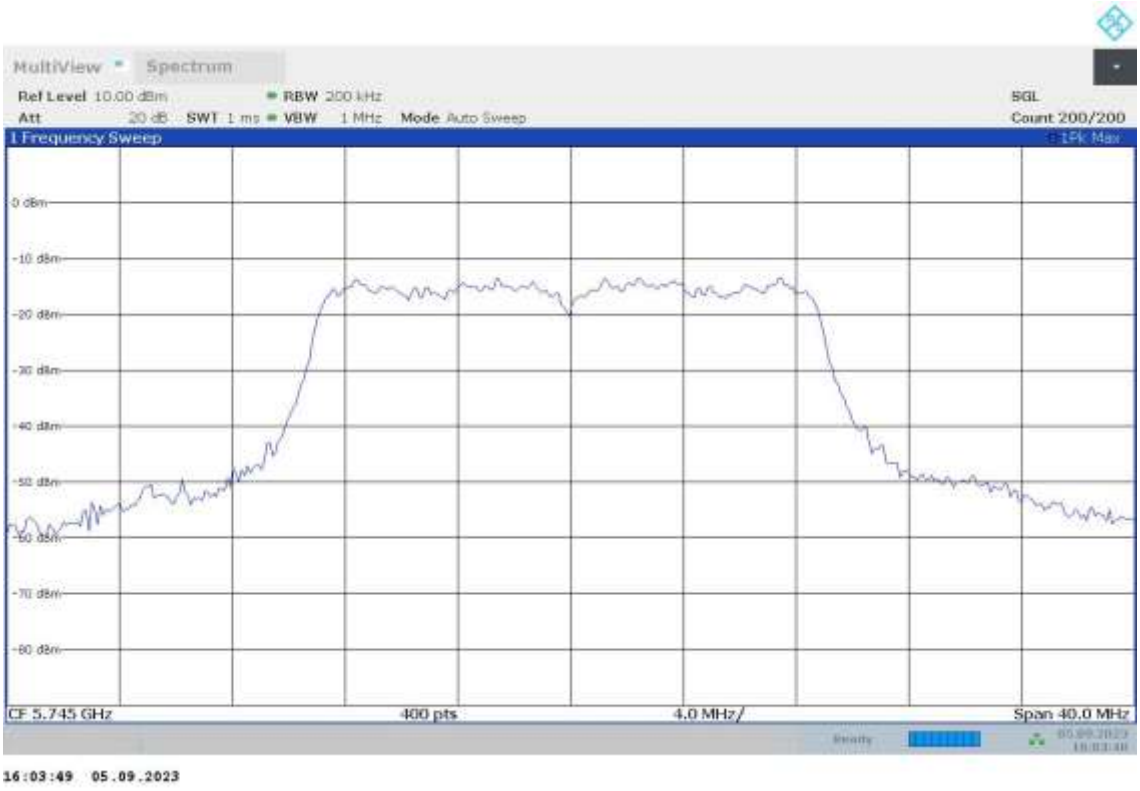
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



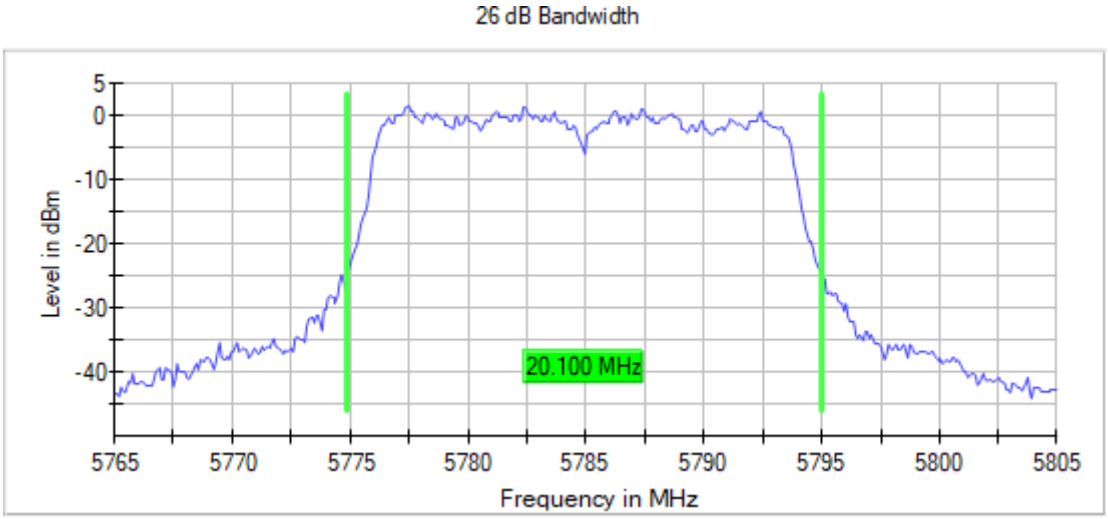


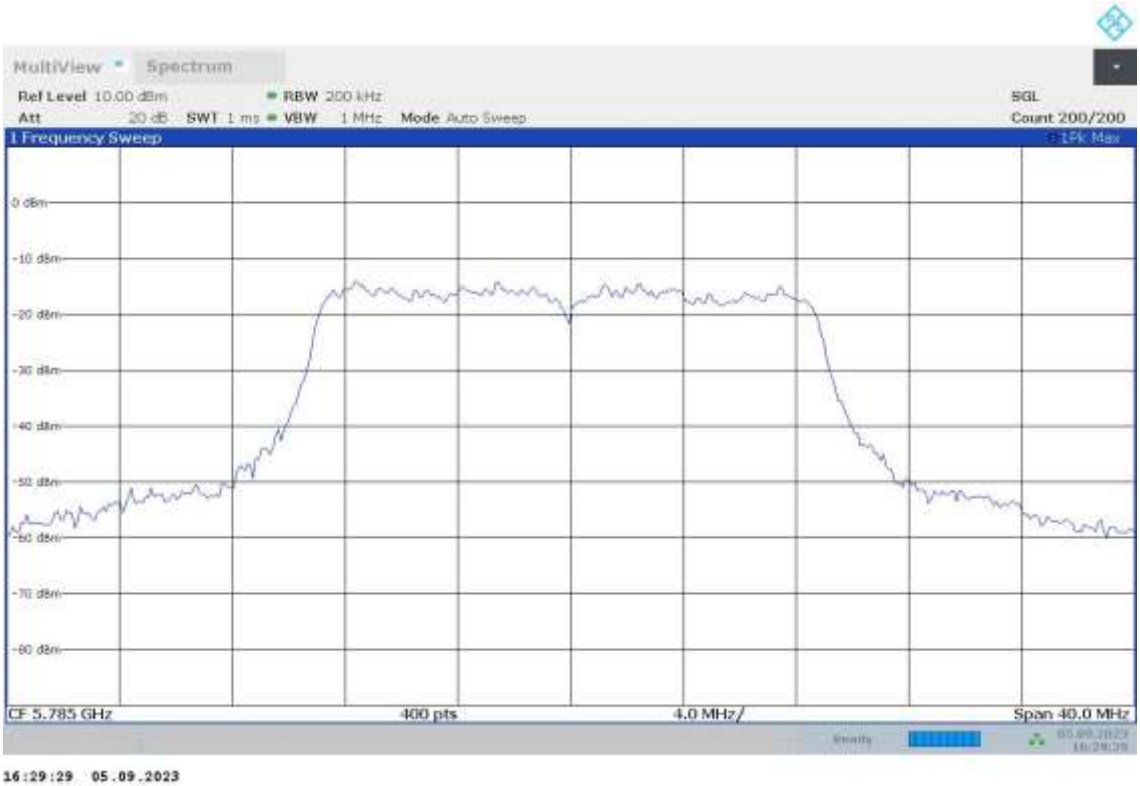
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



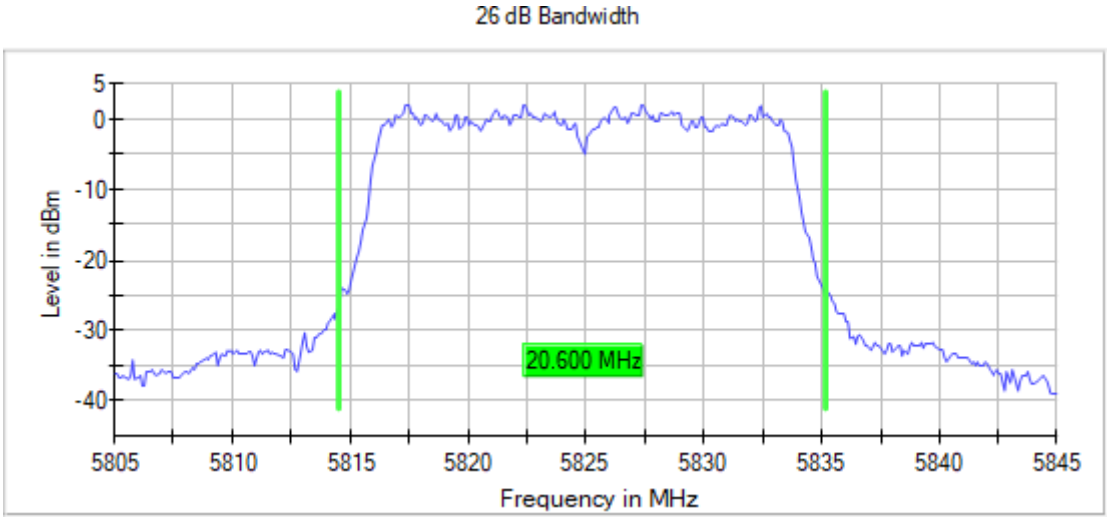


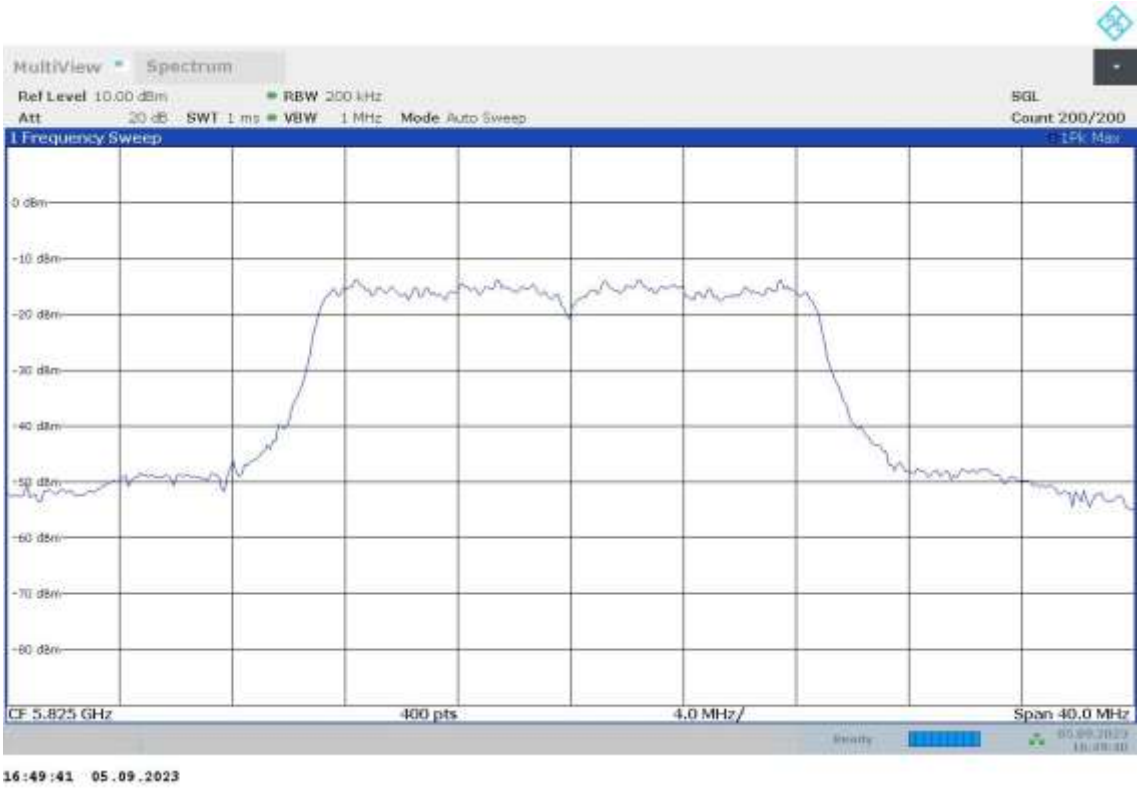
Operation Band MHz = [5150, 5850] Active Port = 1

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	21.000
		5200.00000	20.500
		5240.00000	20.700
		5745.00000	20.900
		5785.00000	20.700
		5825.00000	20.700

Verdict

Pass

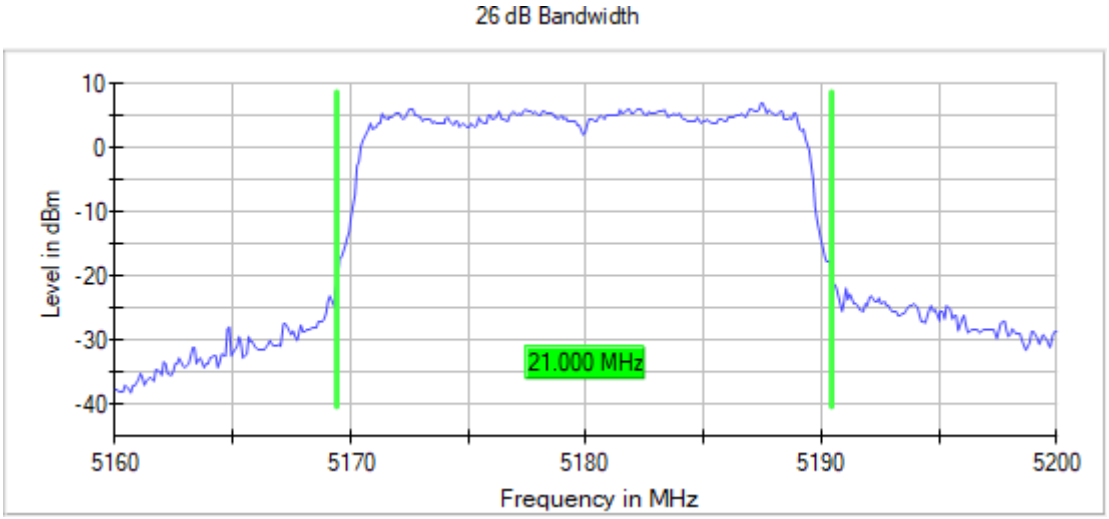
Attachments

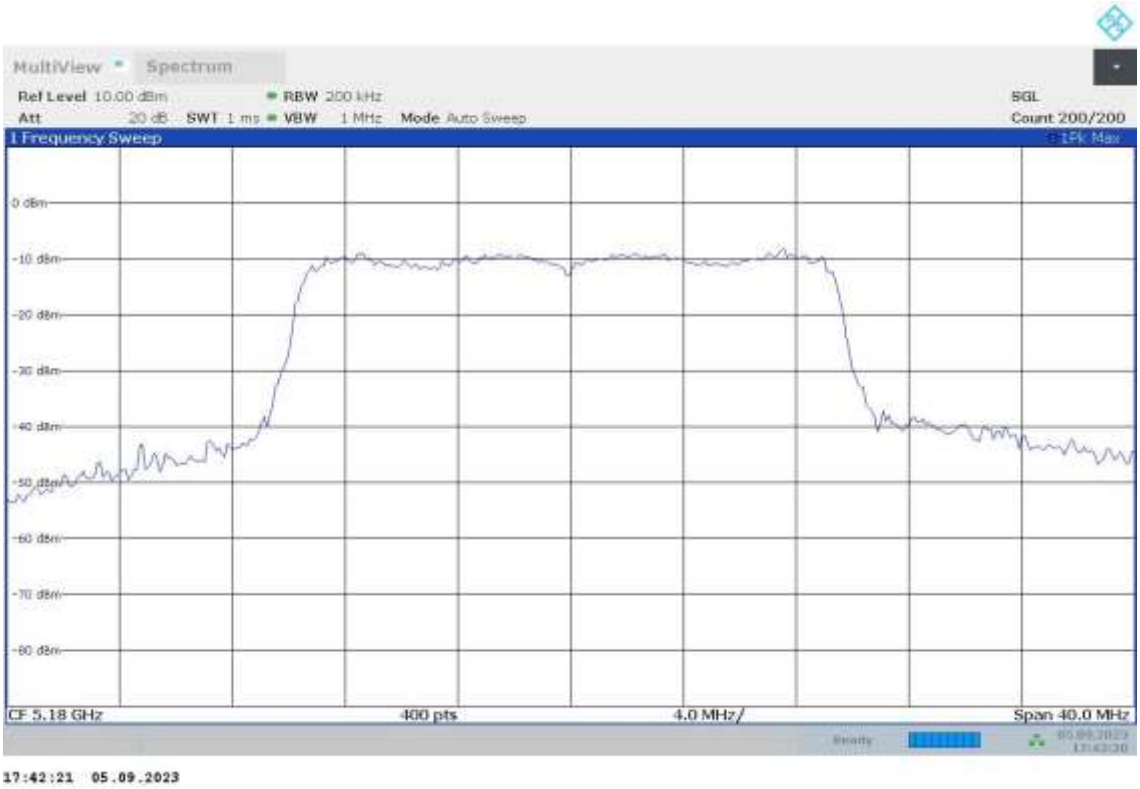
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



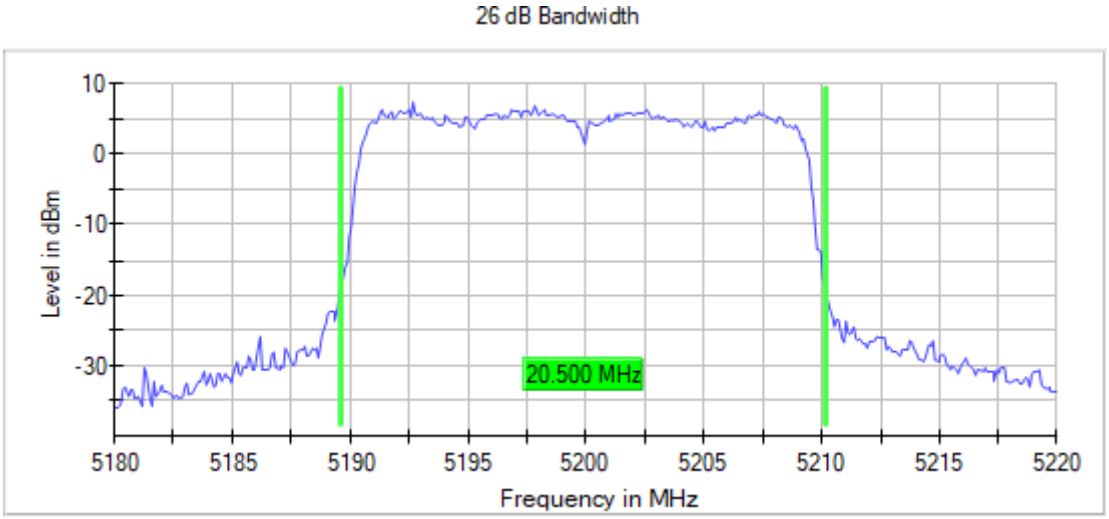


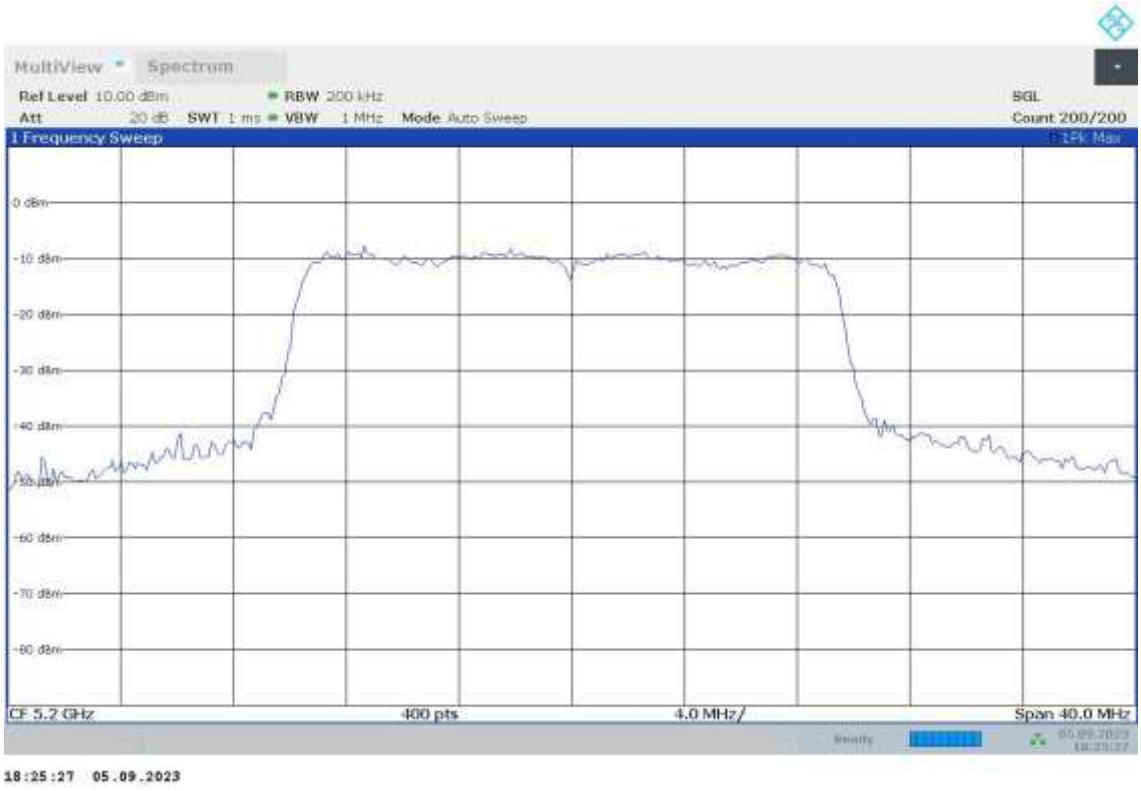
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



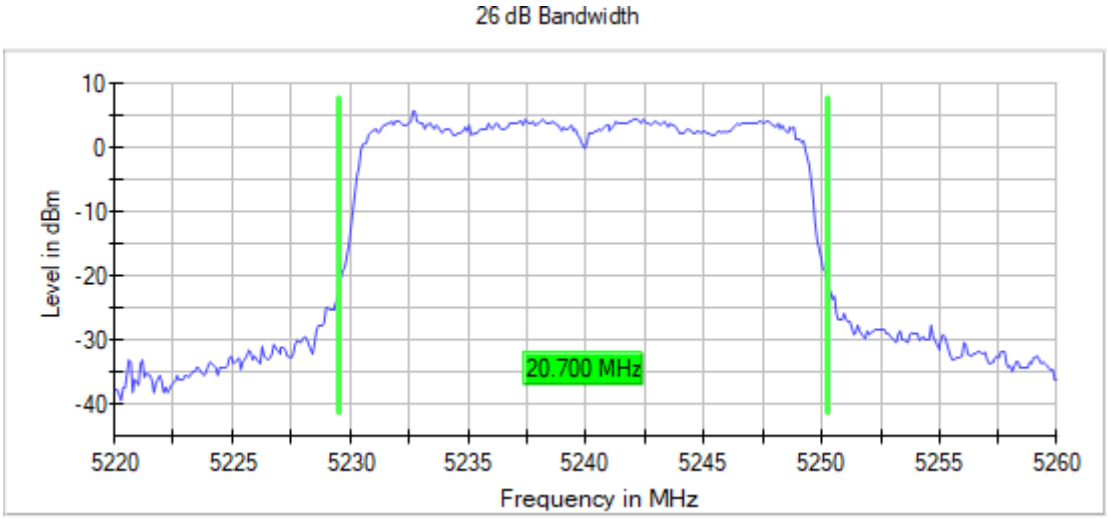


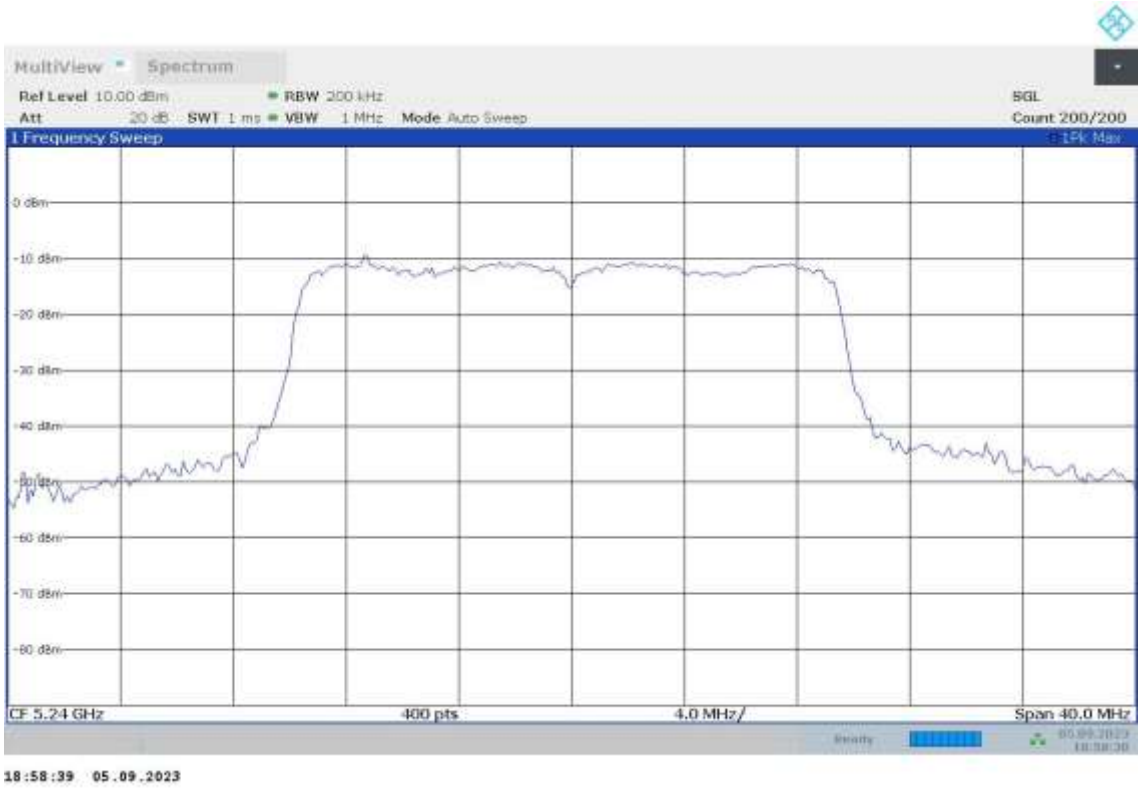
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



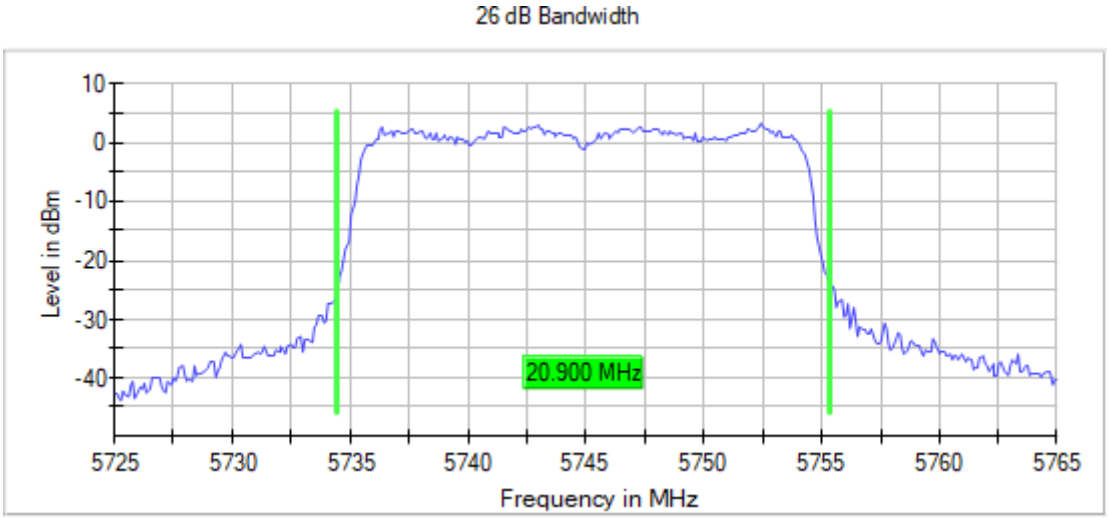


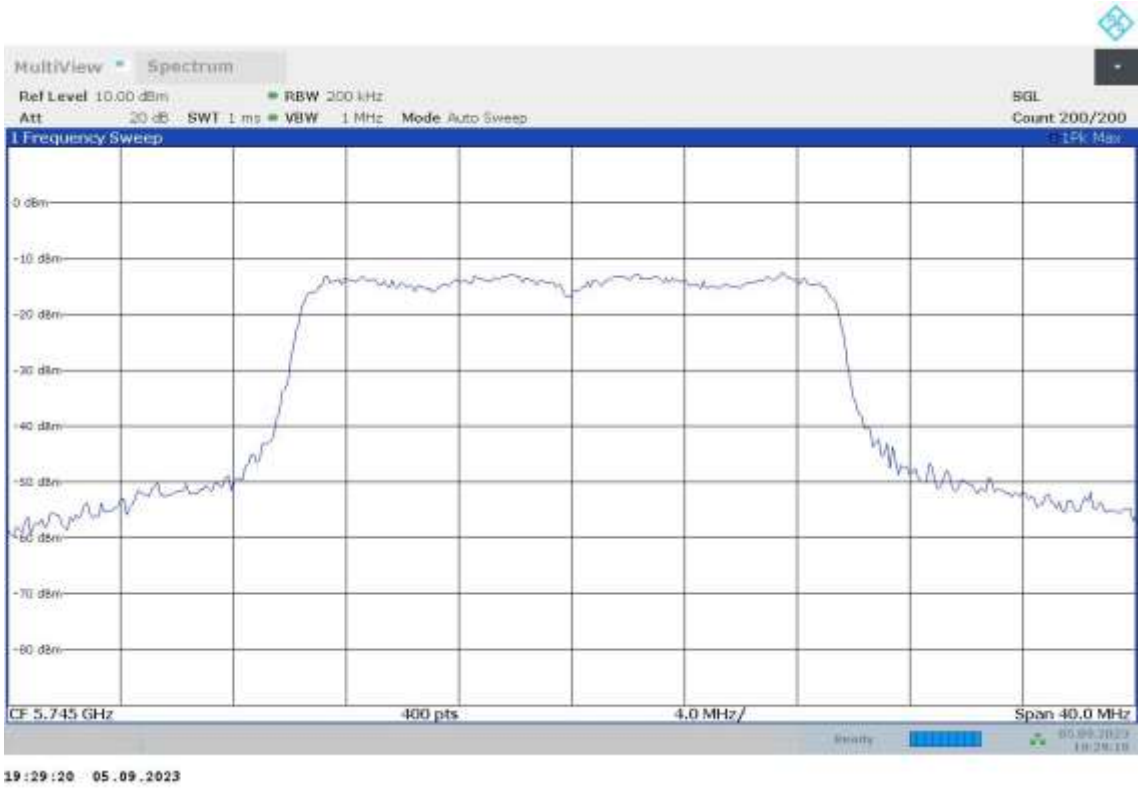
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



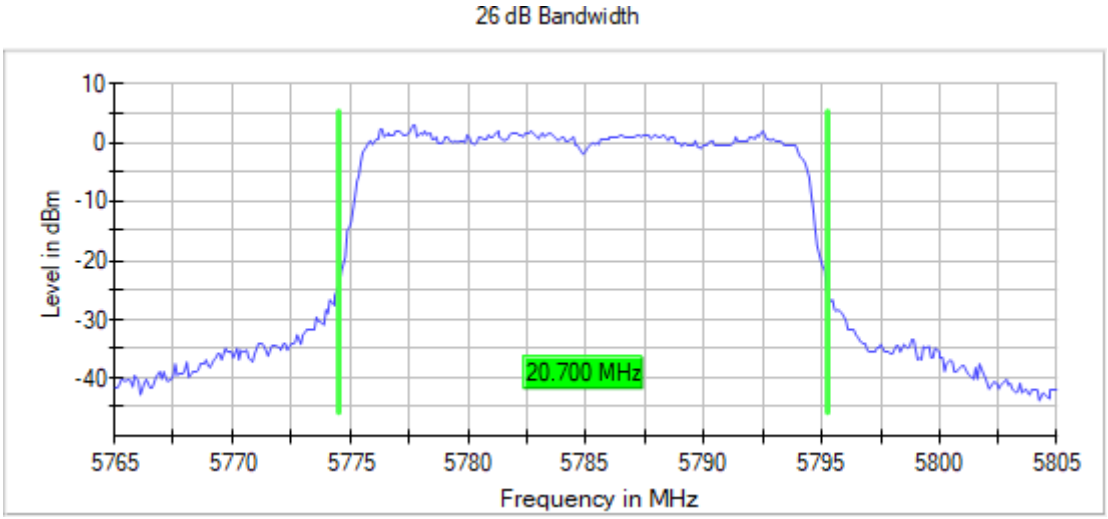


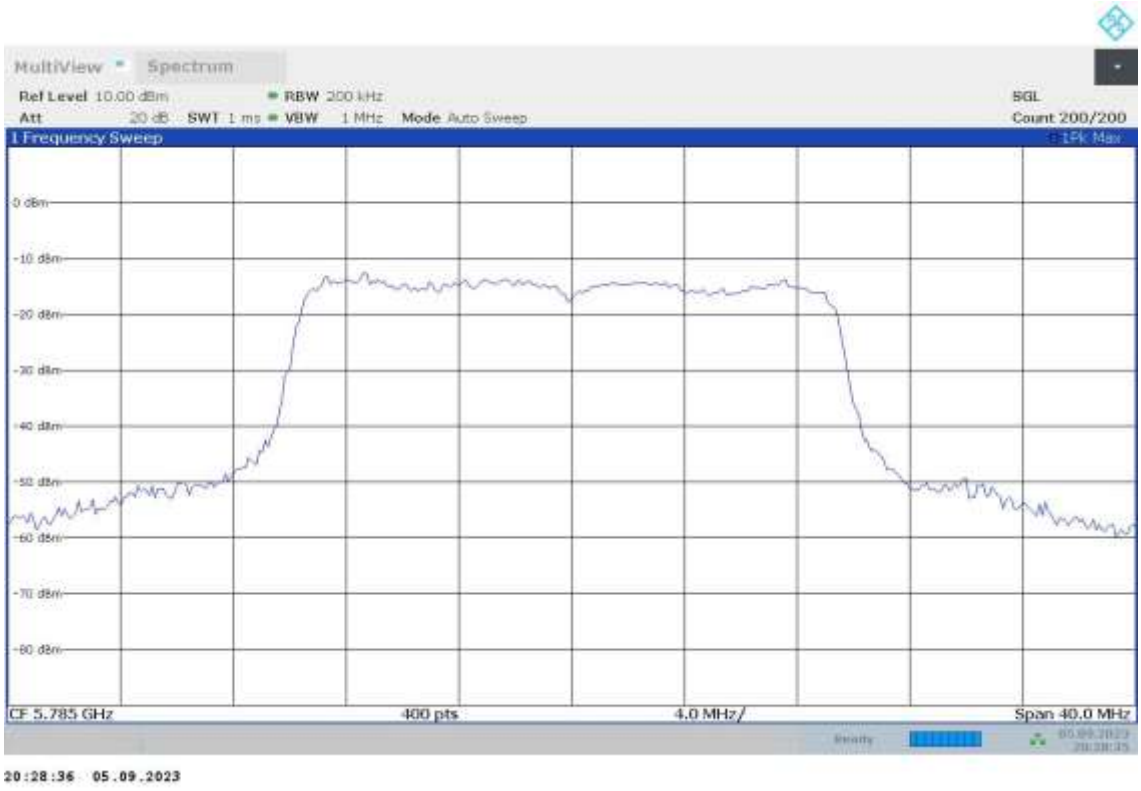
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



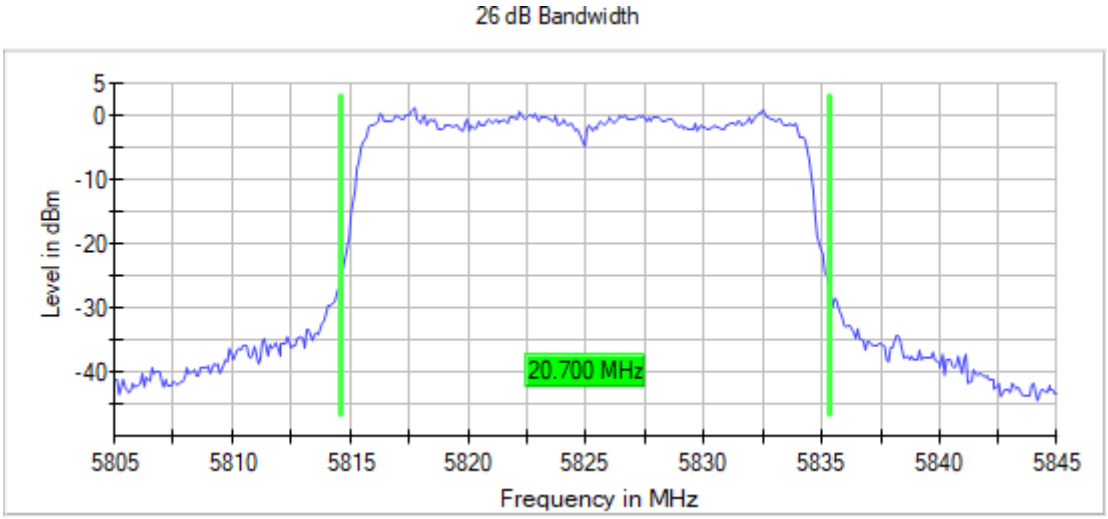


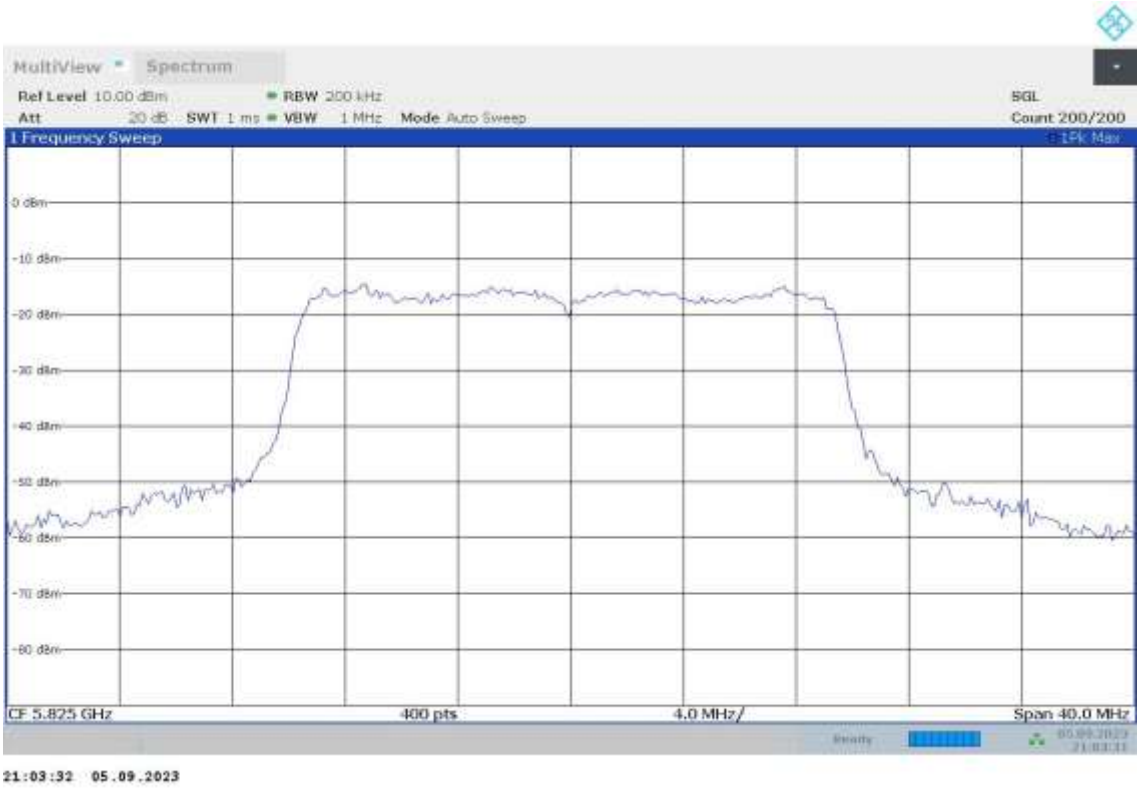
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:





Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5190.00000	41.576
		5230.00000	41.576
		5755.00000	40.675
		5795.00000	41.126

Verdict

Pass

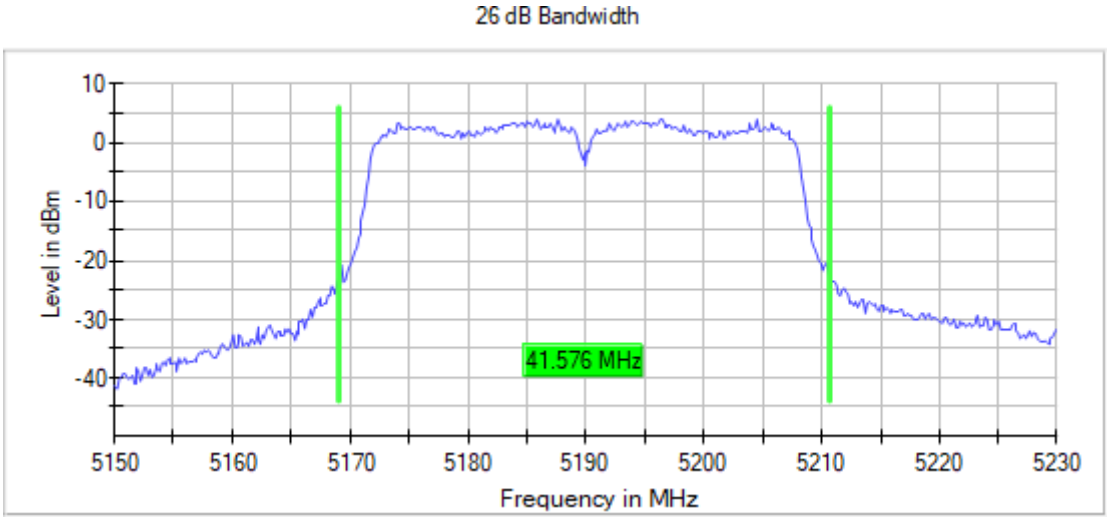
Attachments

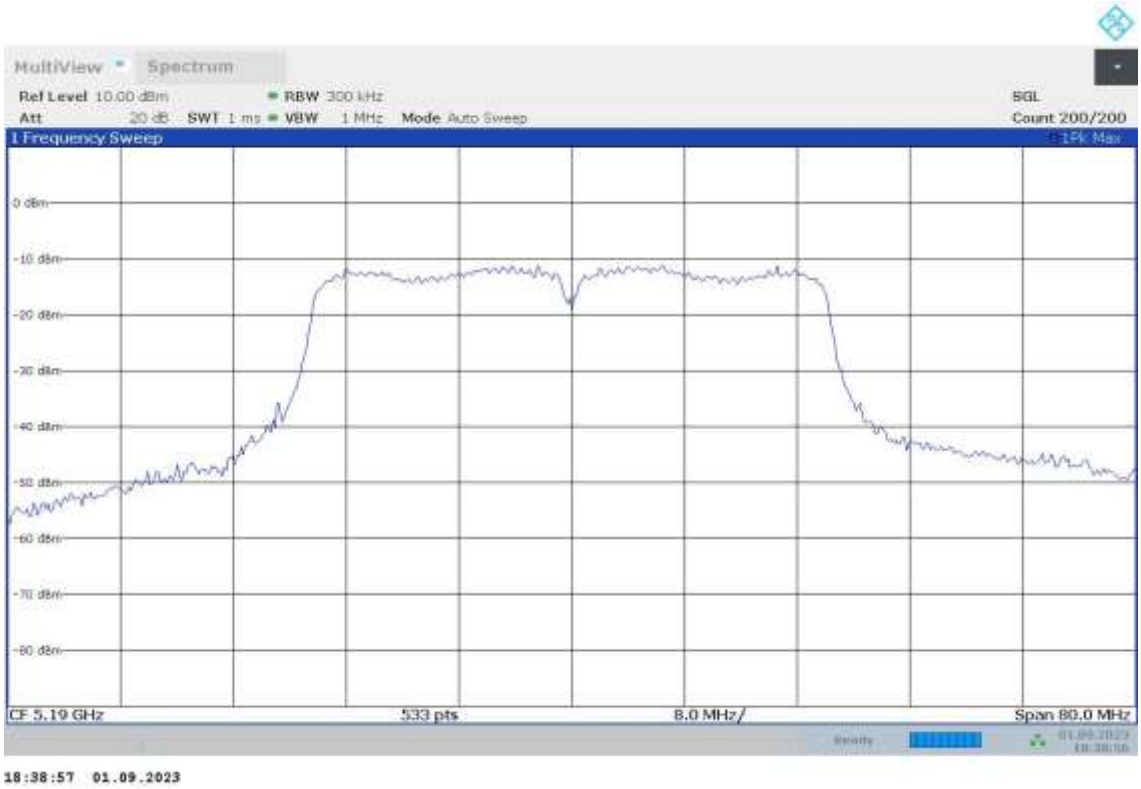
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



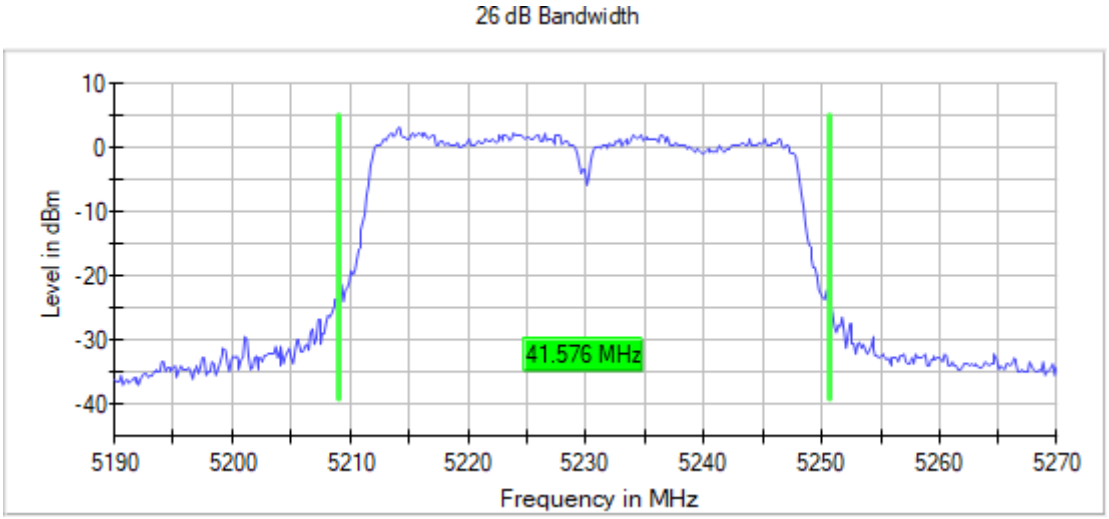


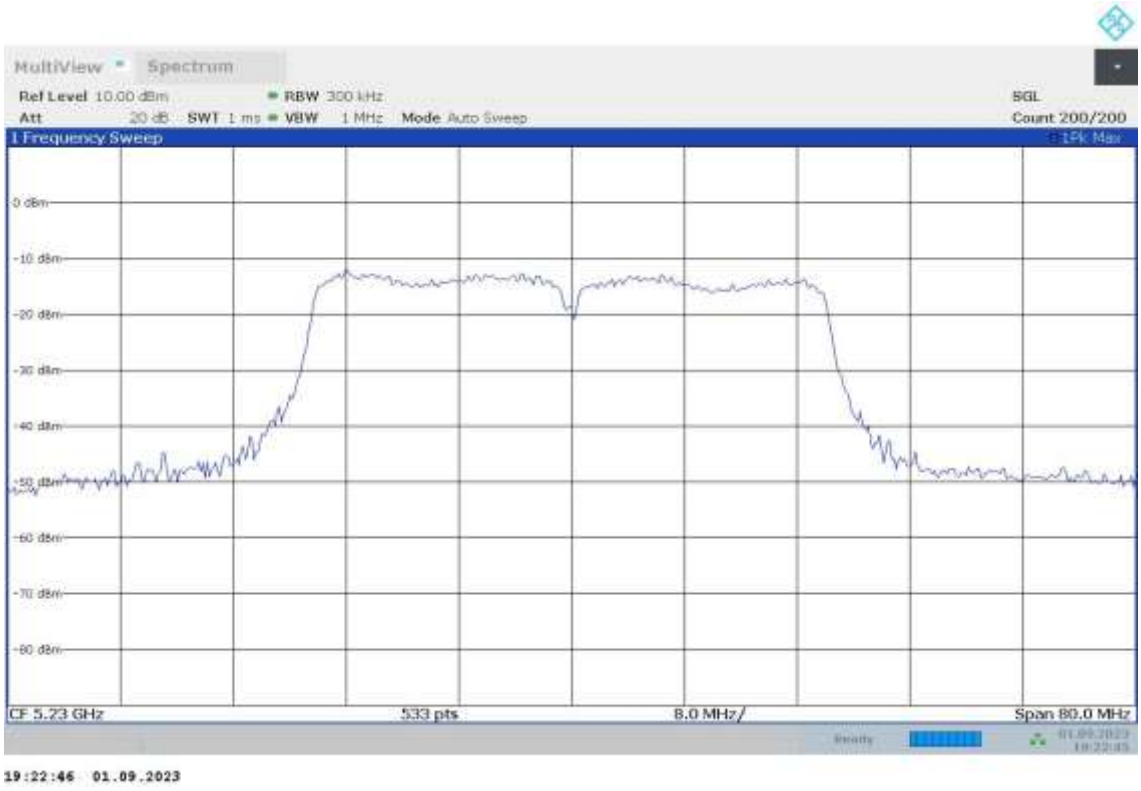
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



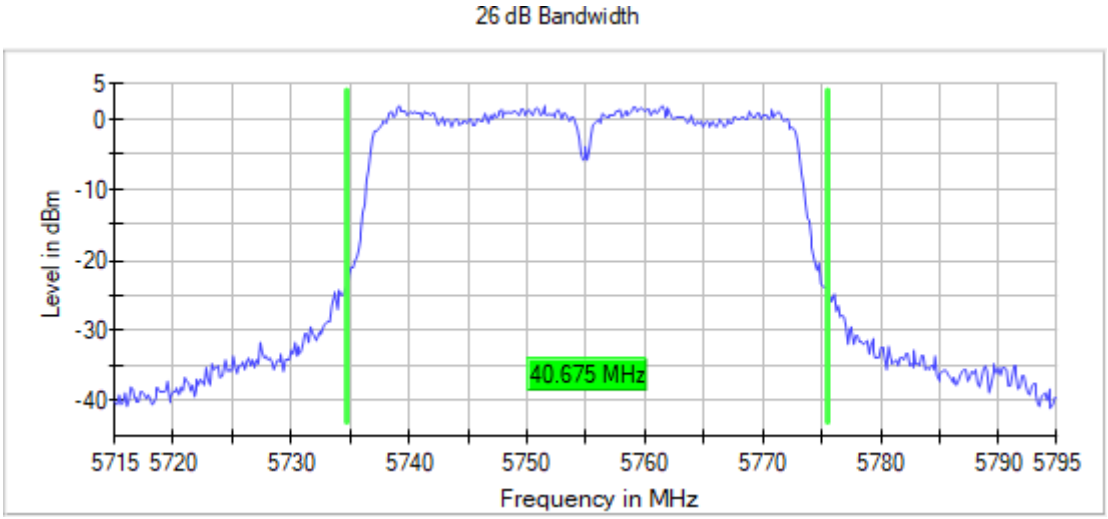


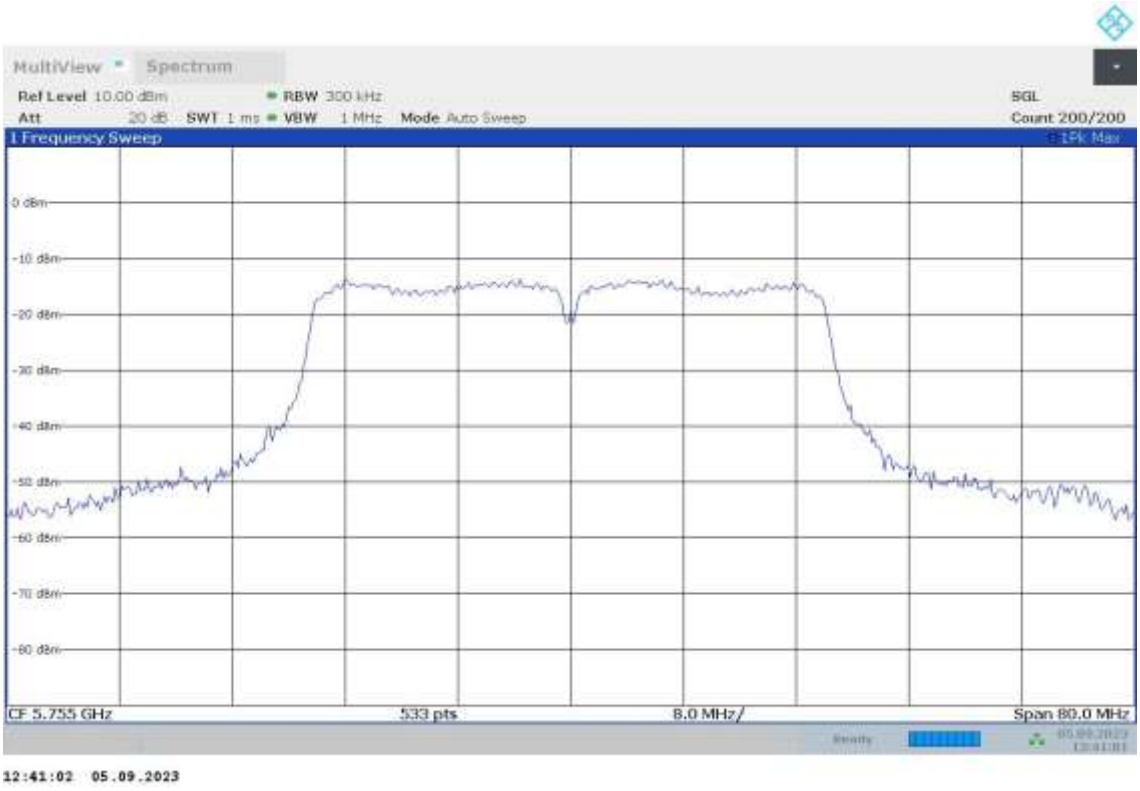
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



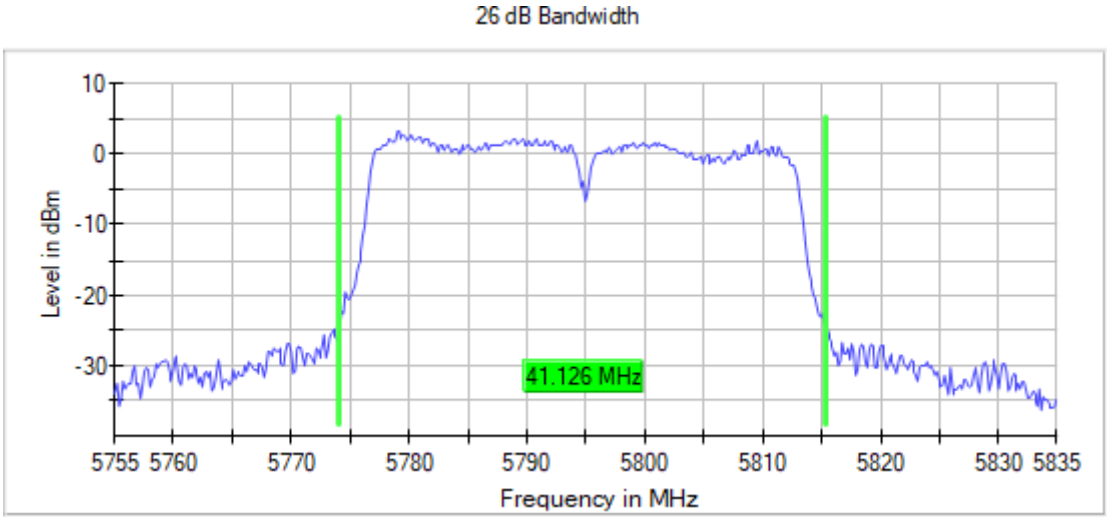


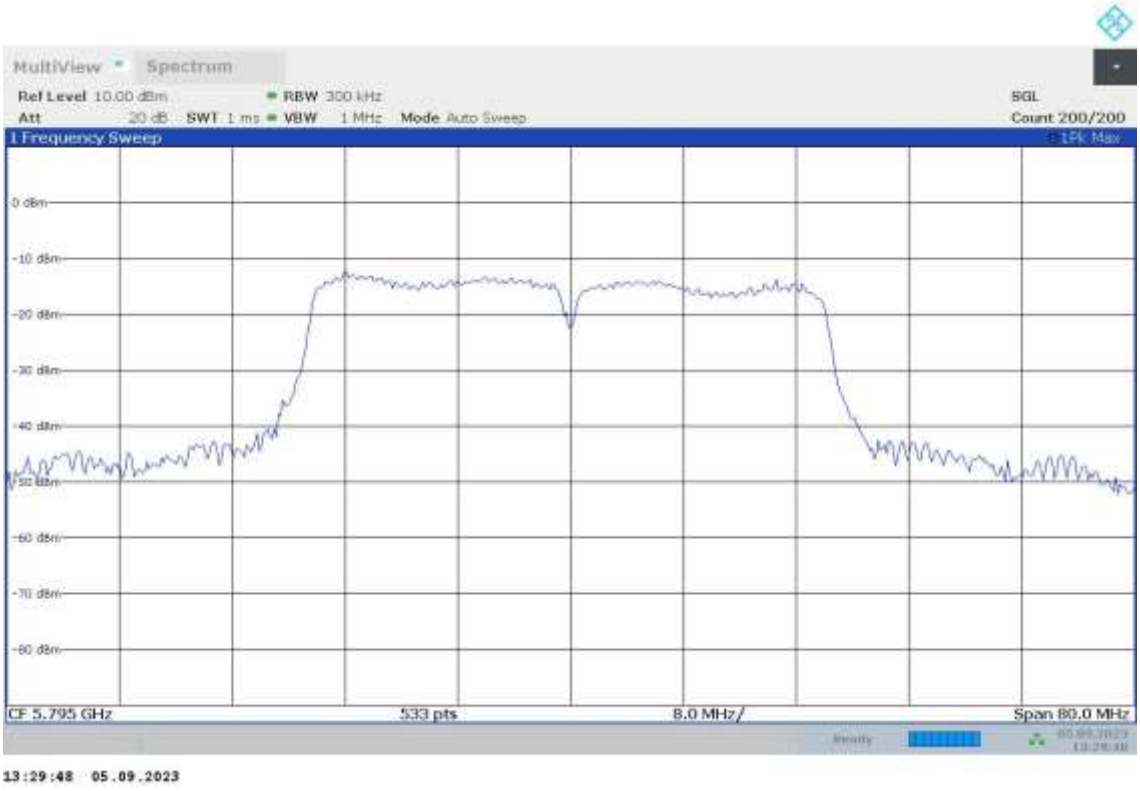
Operation Band MHz = [5150, 5850] Active Port = 1

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	40.375
		5230.00000	40.826
		5755.00000	40.525
		5795.00000	40.525

Verdict

Pass

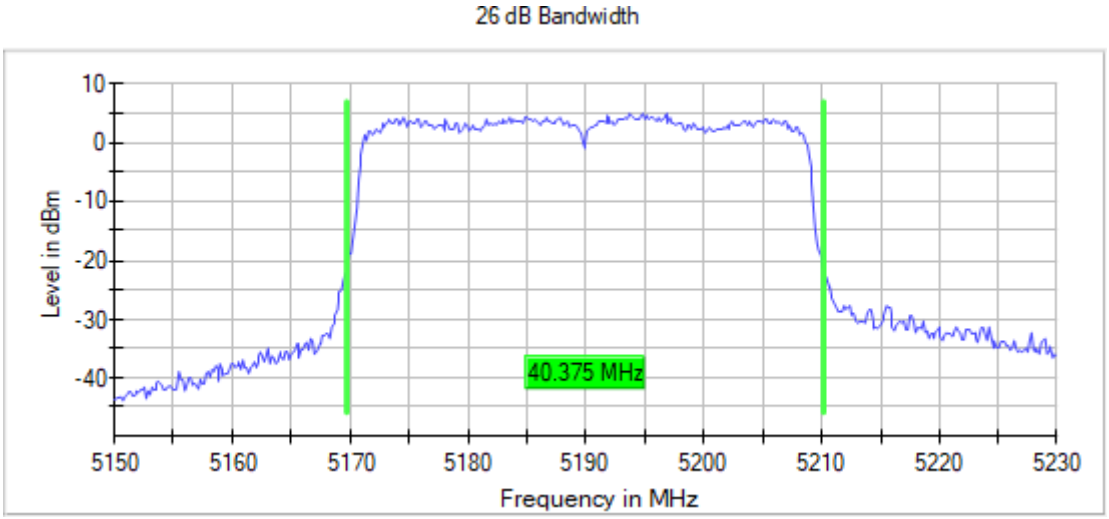
Attachments

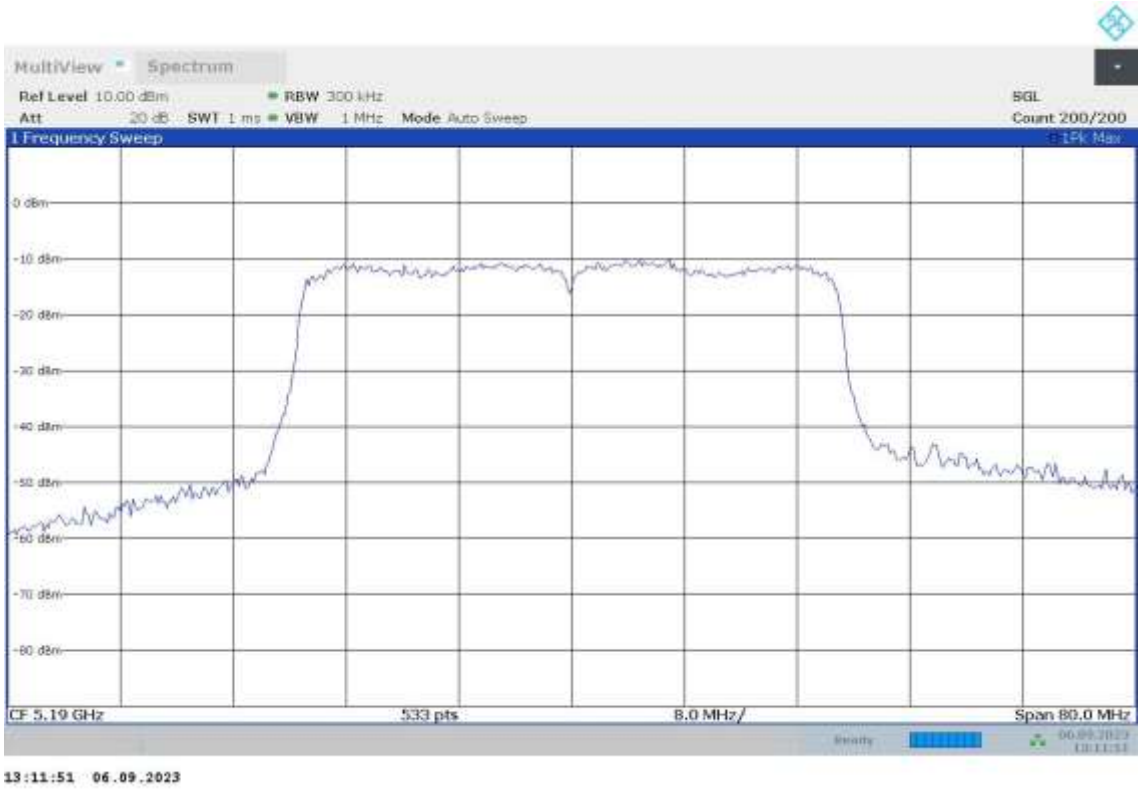
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



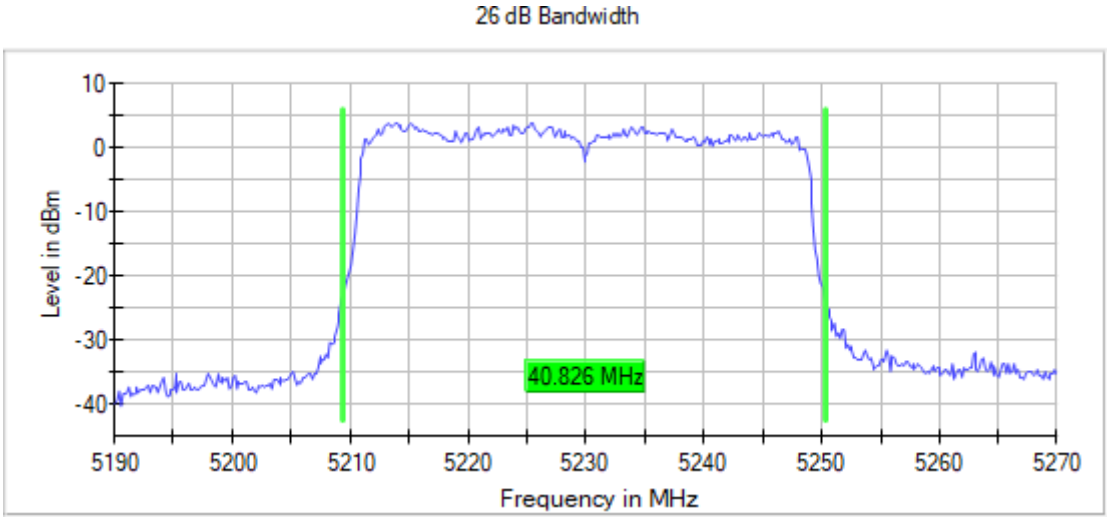


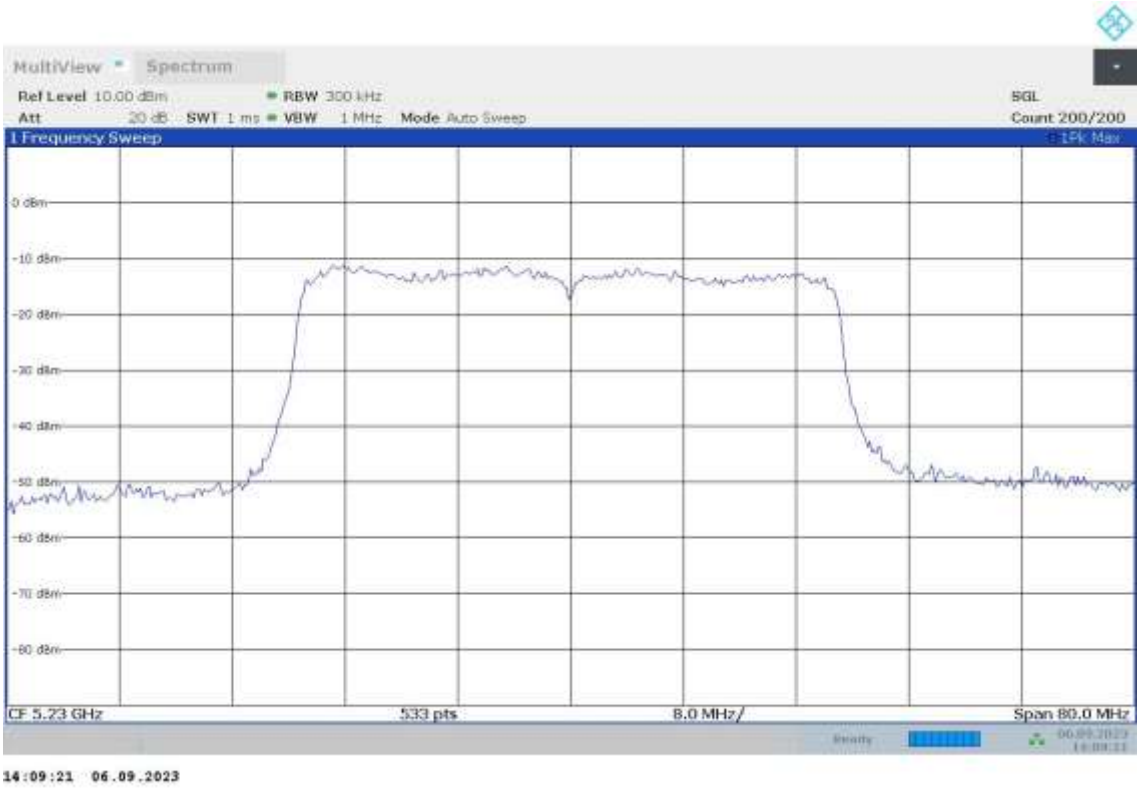
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



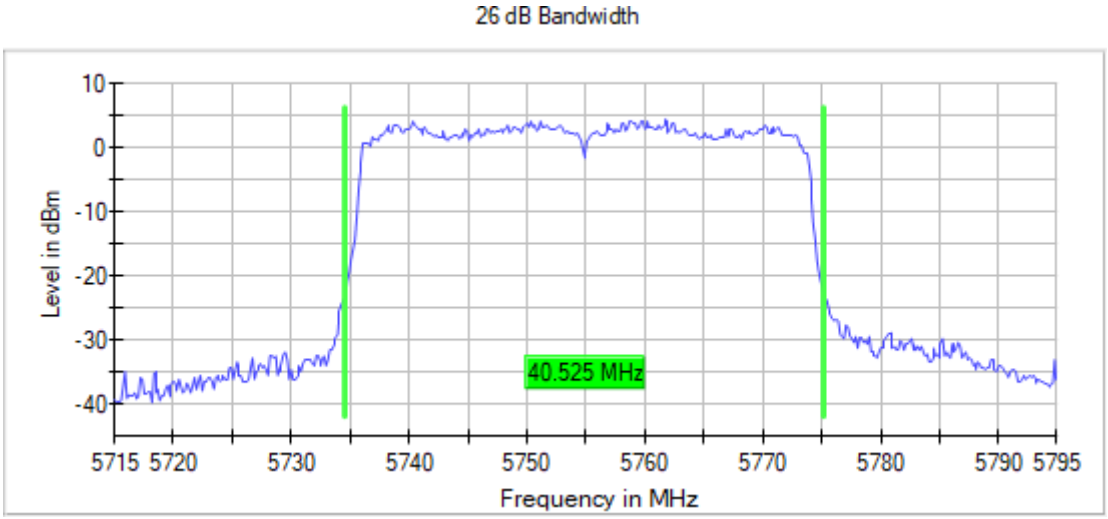


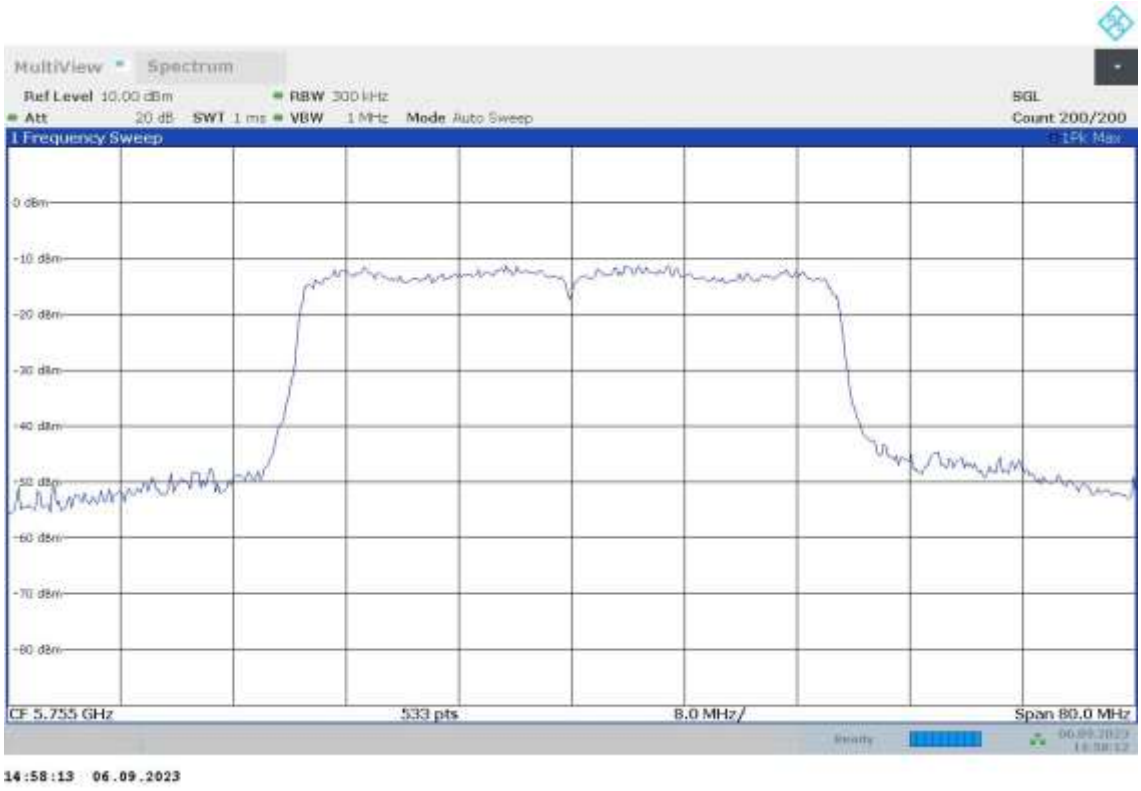
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



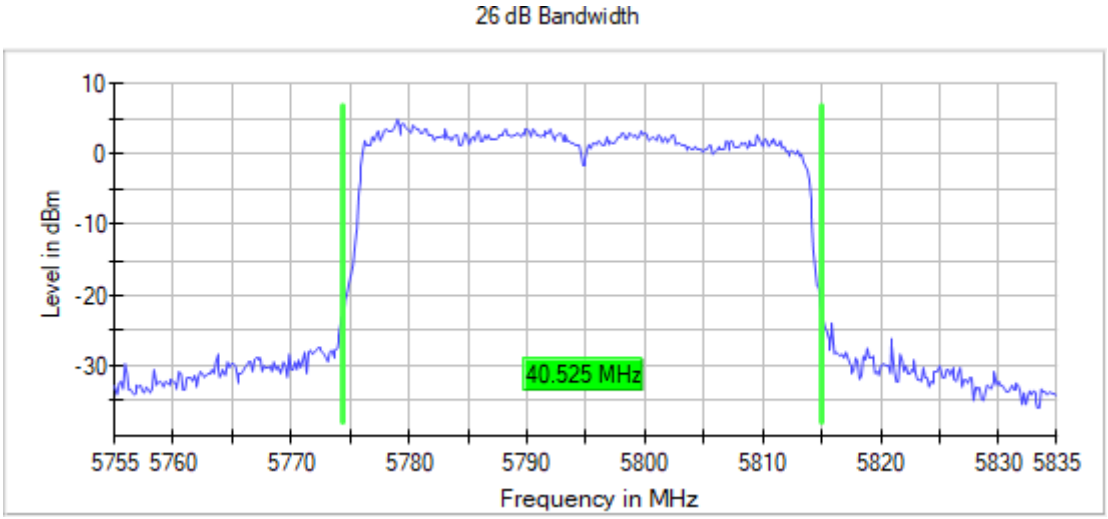


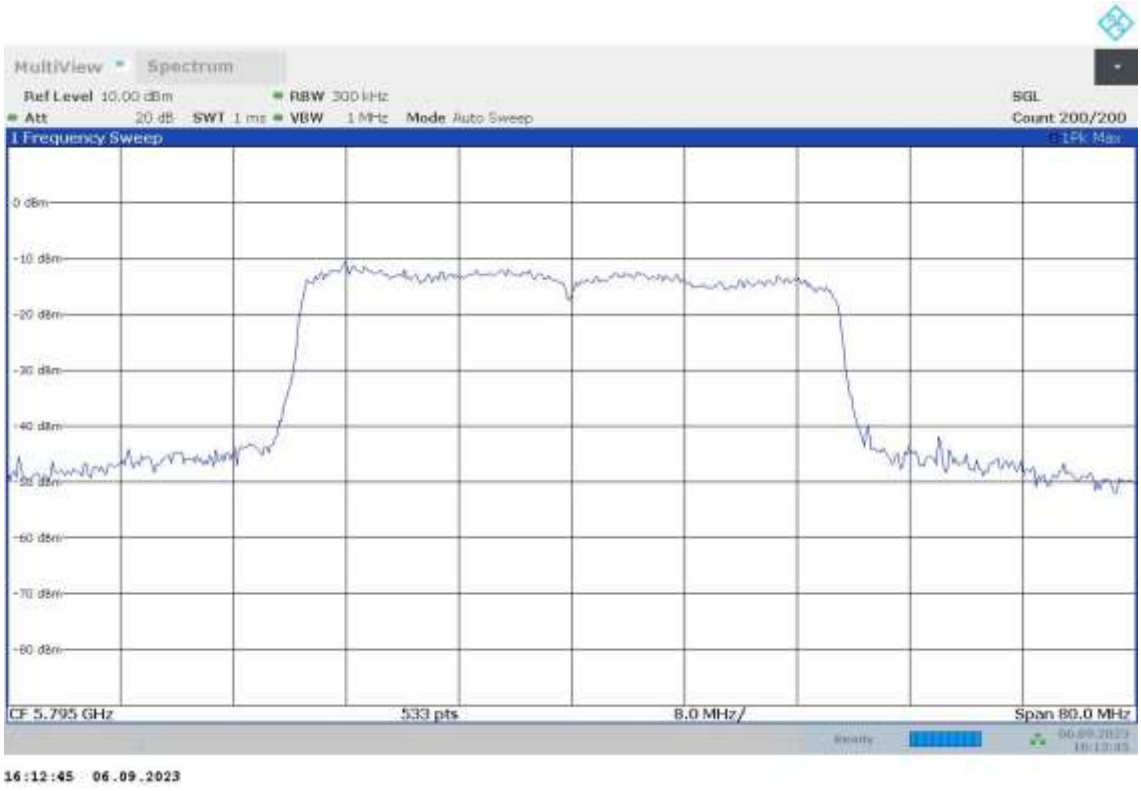
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:





Modulation: 802.11ac VHT80 SS1 (OFDM MCS0)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5210.00000	82.500
		5775.00000	83.000

Verdict

Pass

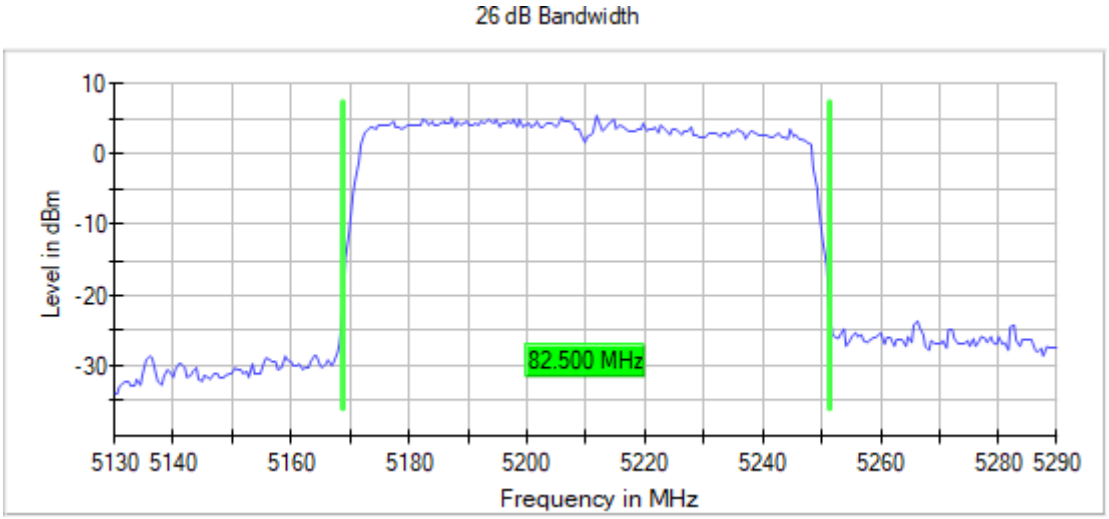
Attachments

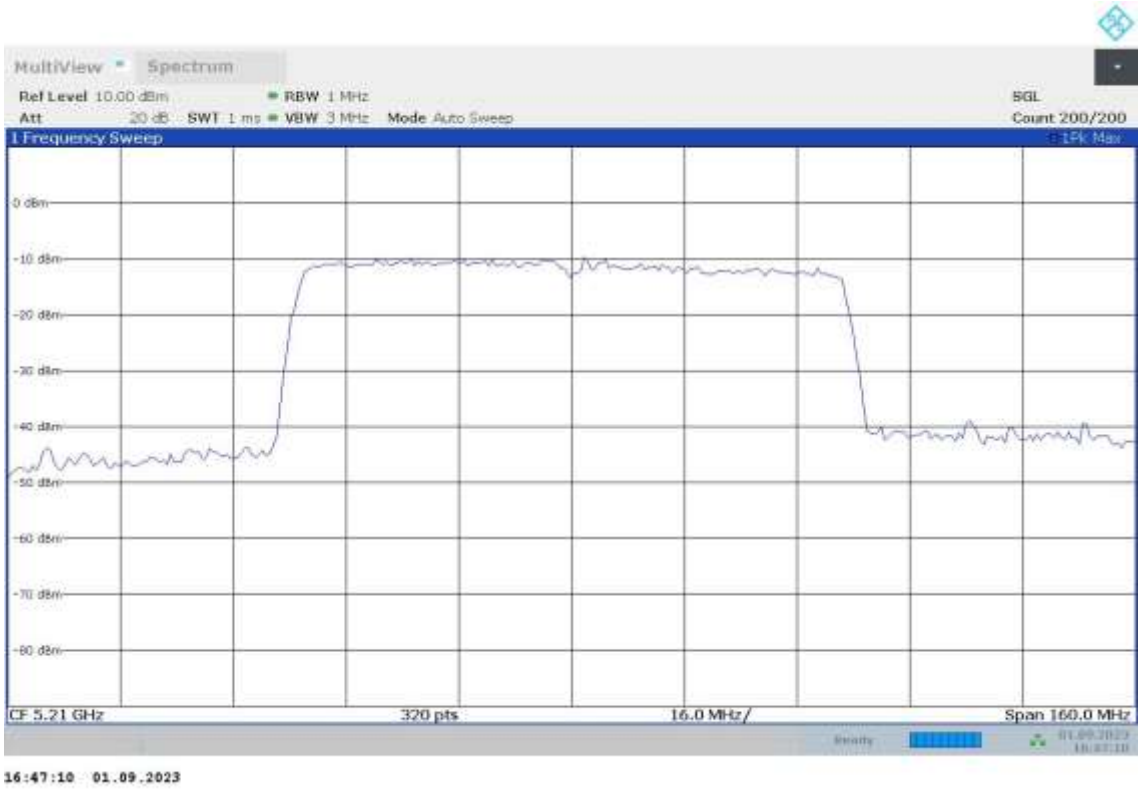
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



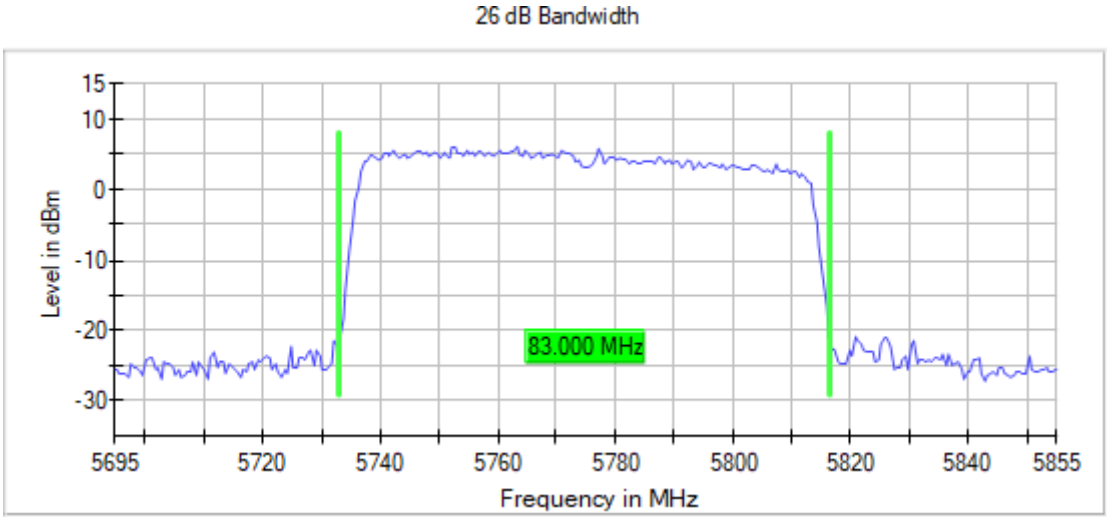


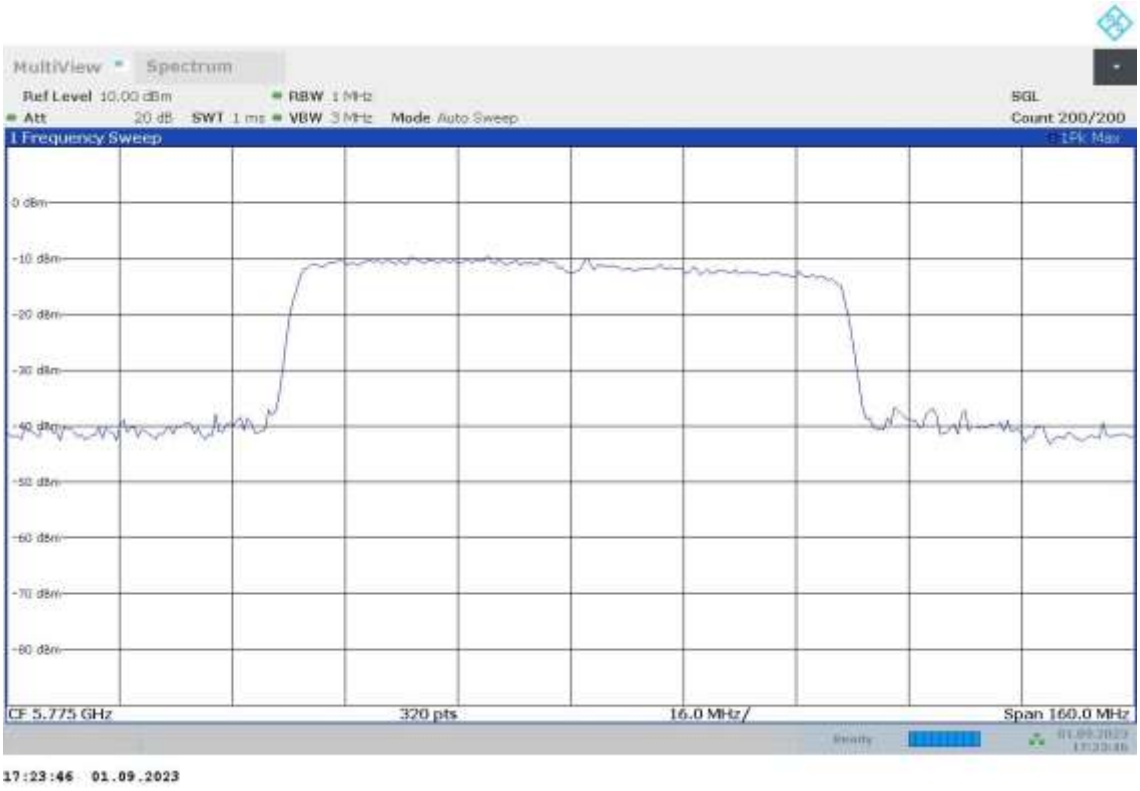
Operation Band MHz = [5150, 5850] Active Port = 1

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	81.500
		5775.00000	81.500

Verdict

Pass

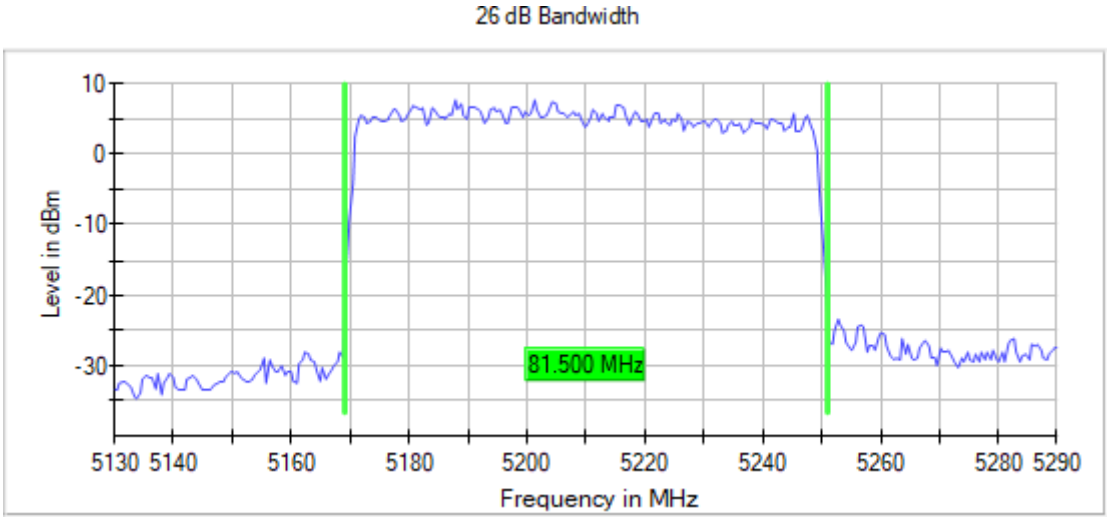
Attachments

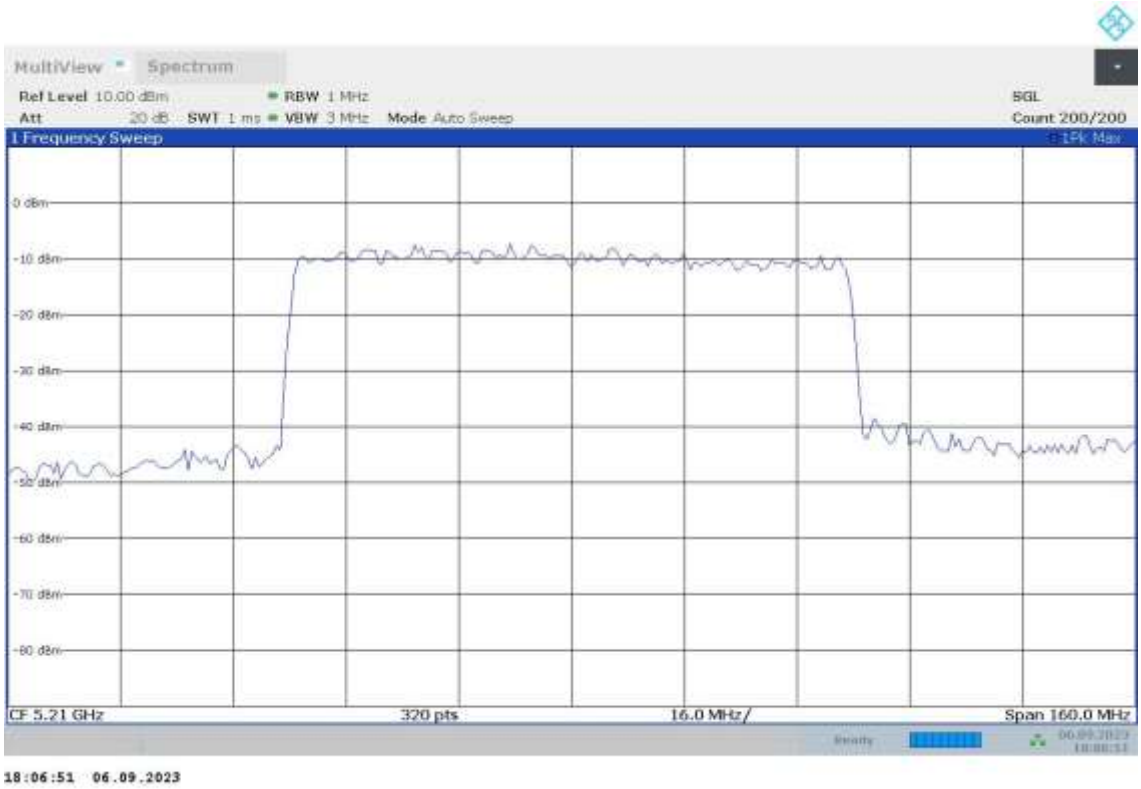
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



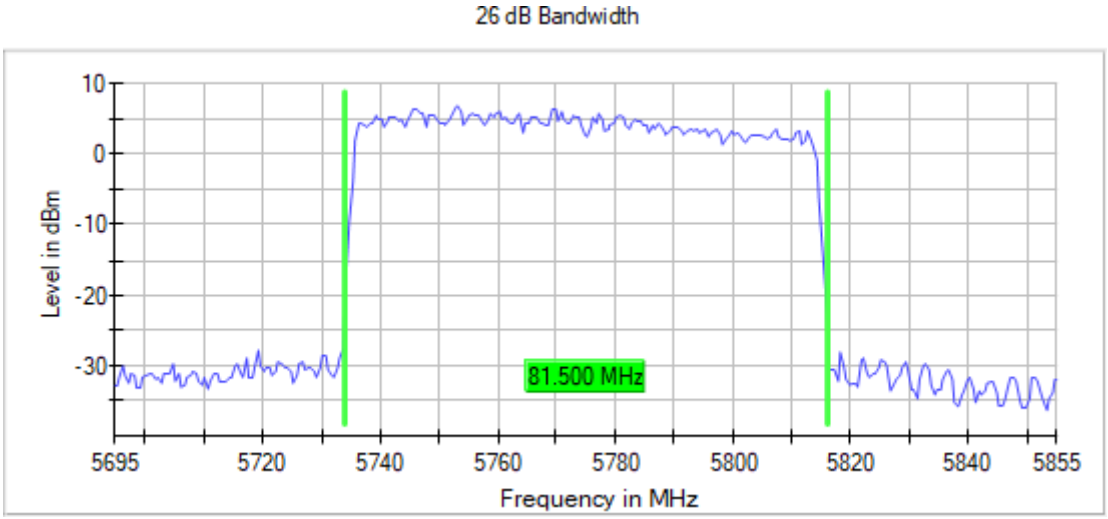


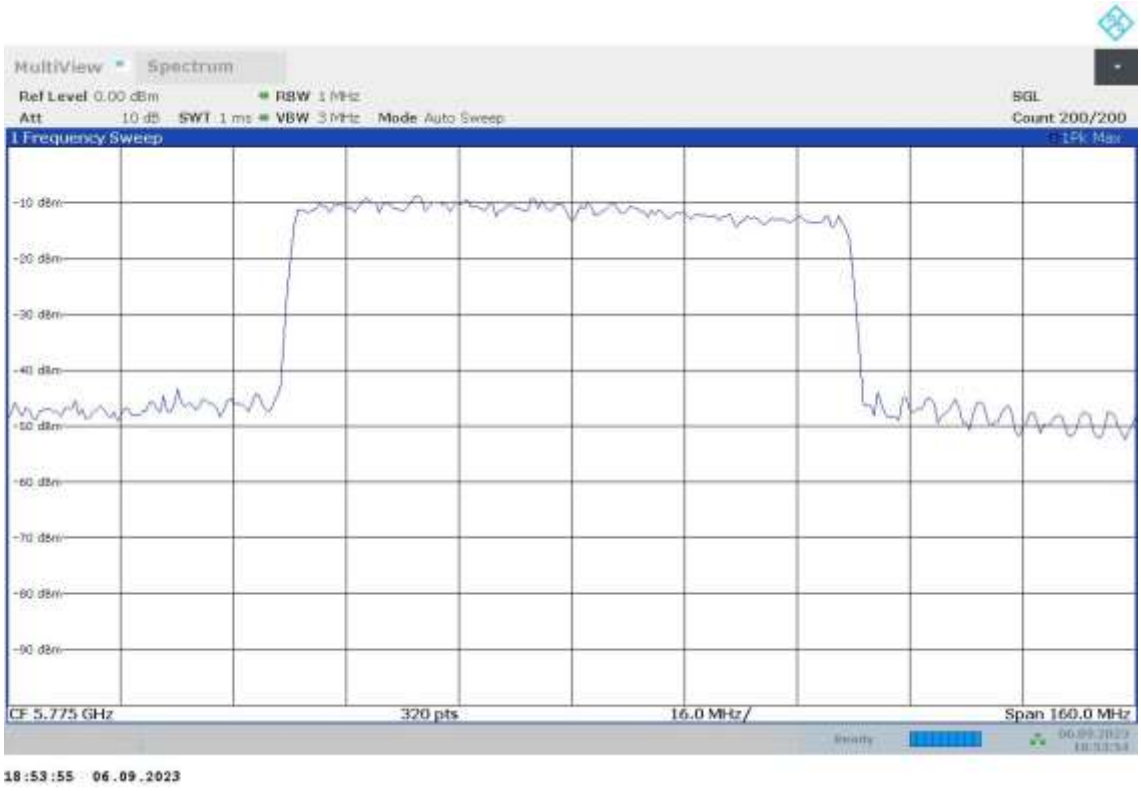
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:





Modulation: 802.11a (OFDM 6 Mbit/s)

MIMO Mode: SISO

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1	5180.00000	19.800
		5200.00000	19.800
		5240.00000	20.200
		5745.00000	19.800
		5785.00000	19.900
		5825.00000	20.200

Verdict

Pass

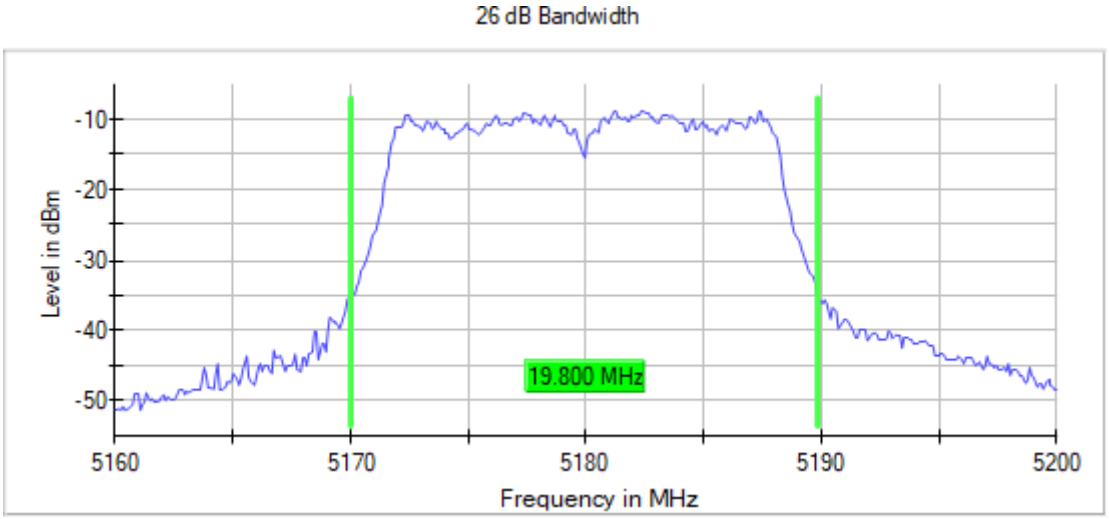
Attachments

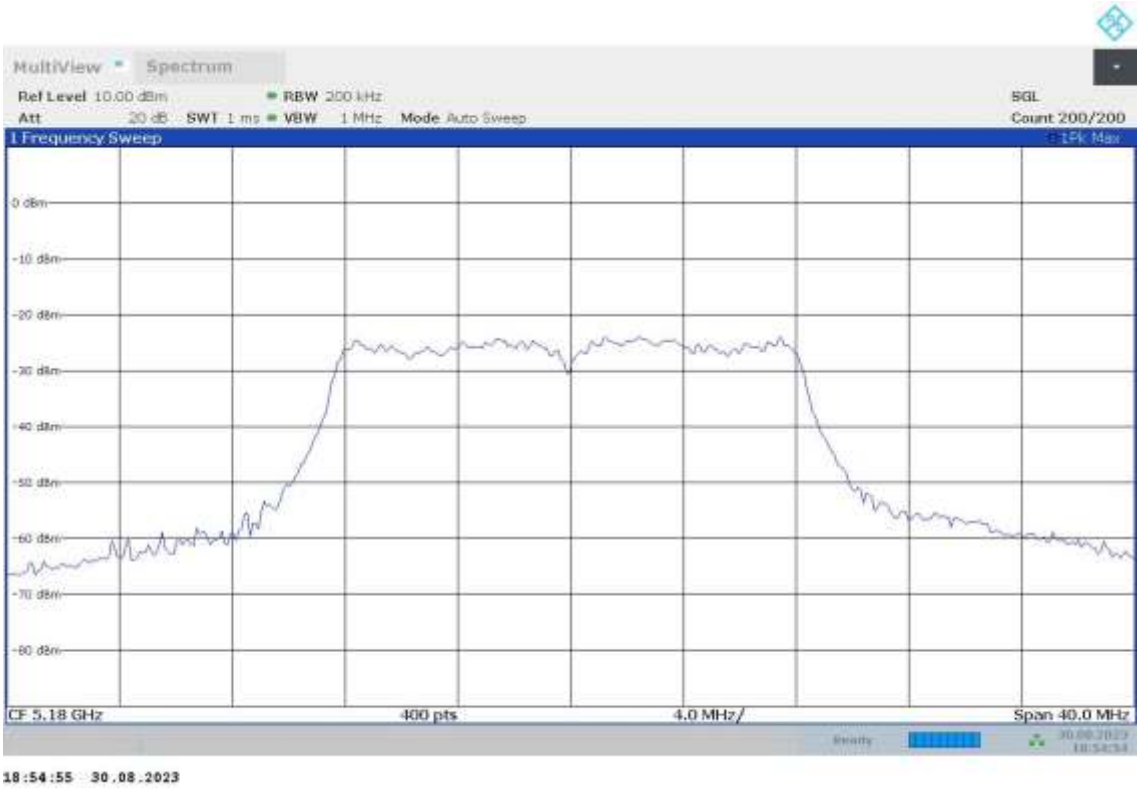
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



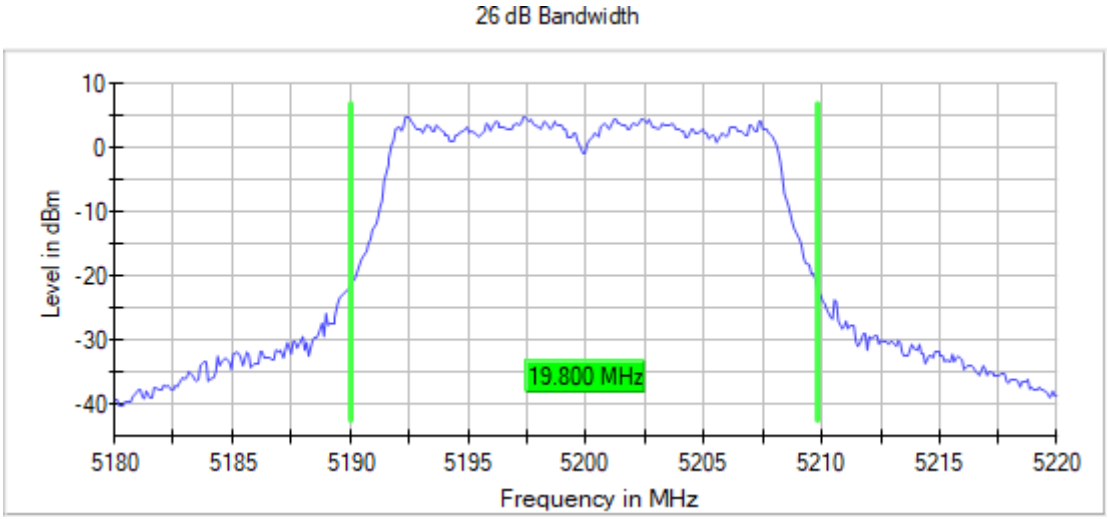


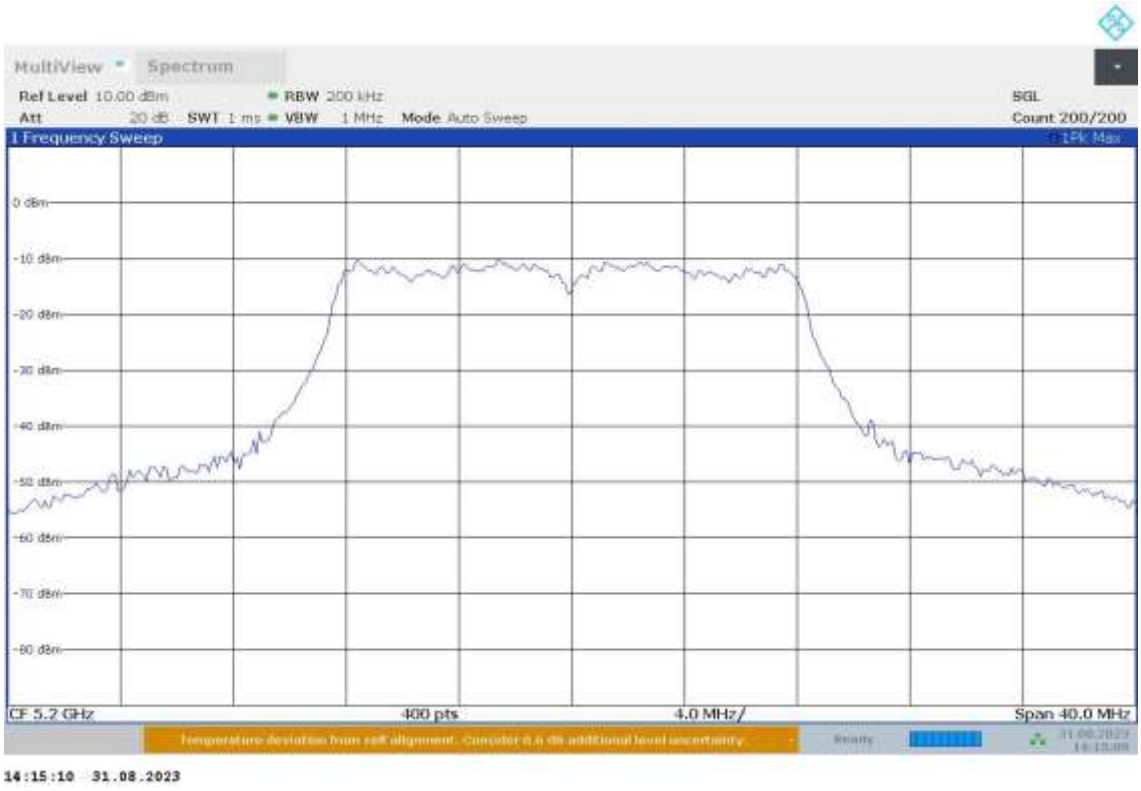
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



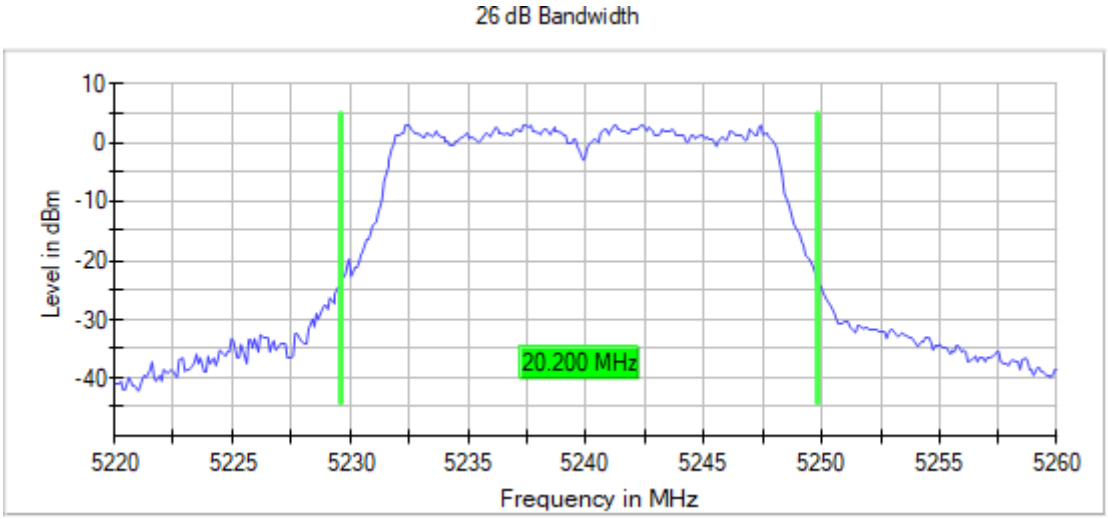


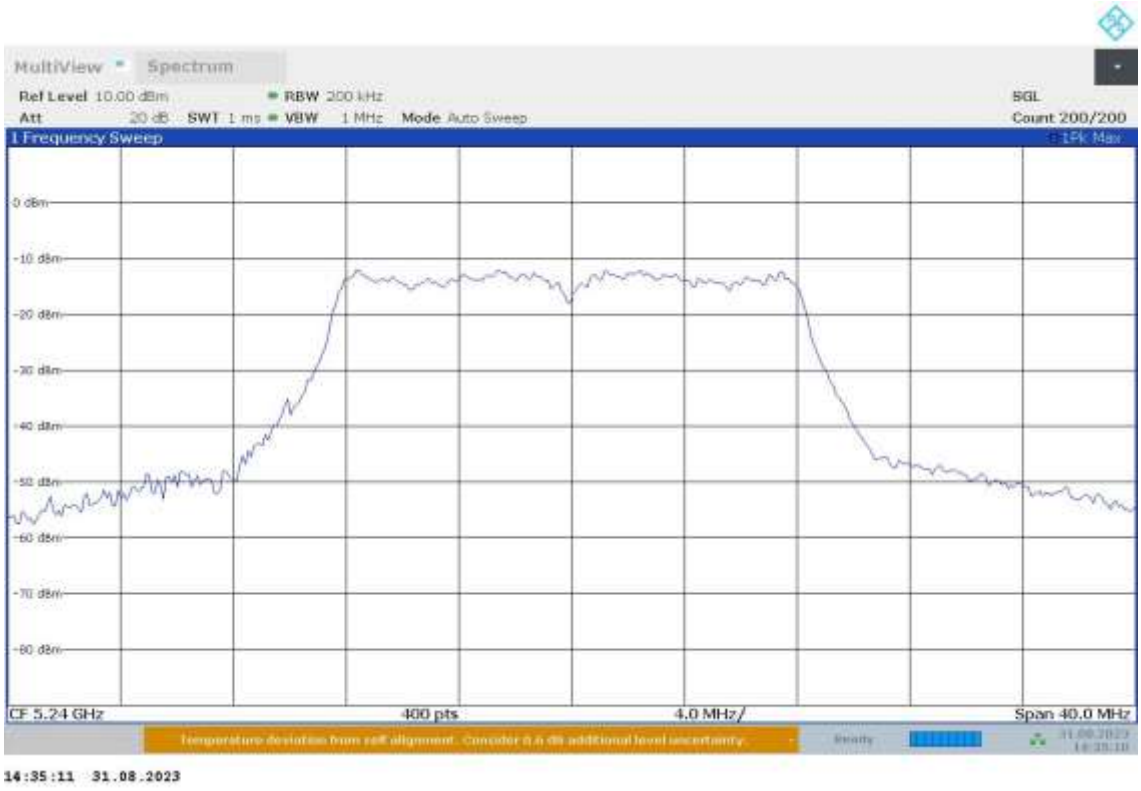
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



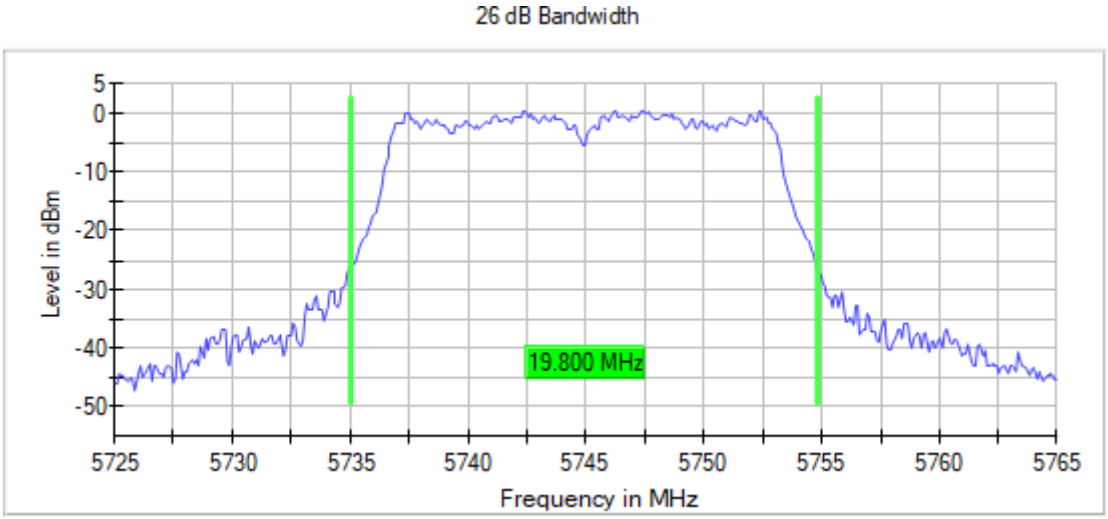


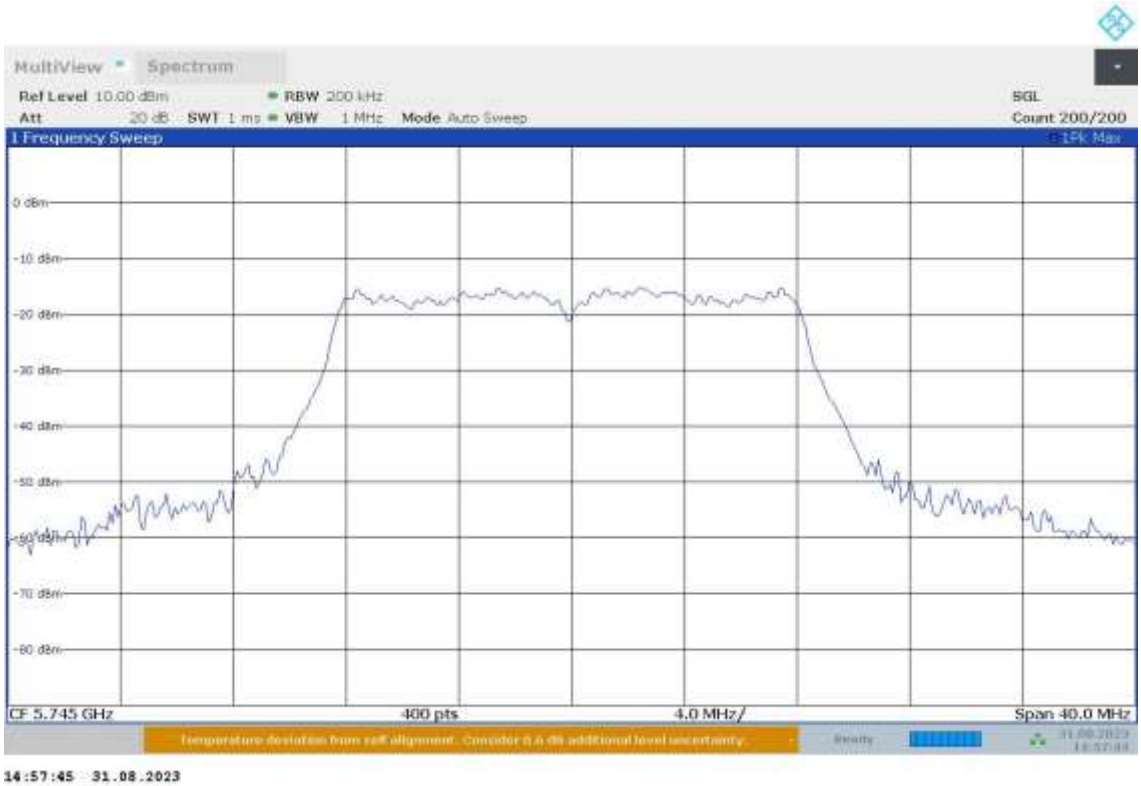
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



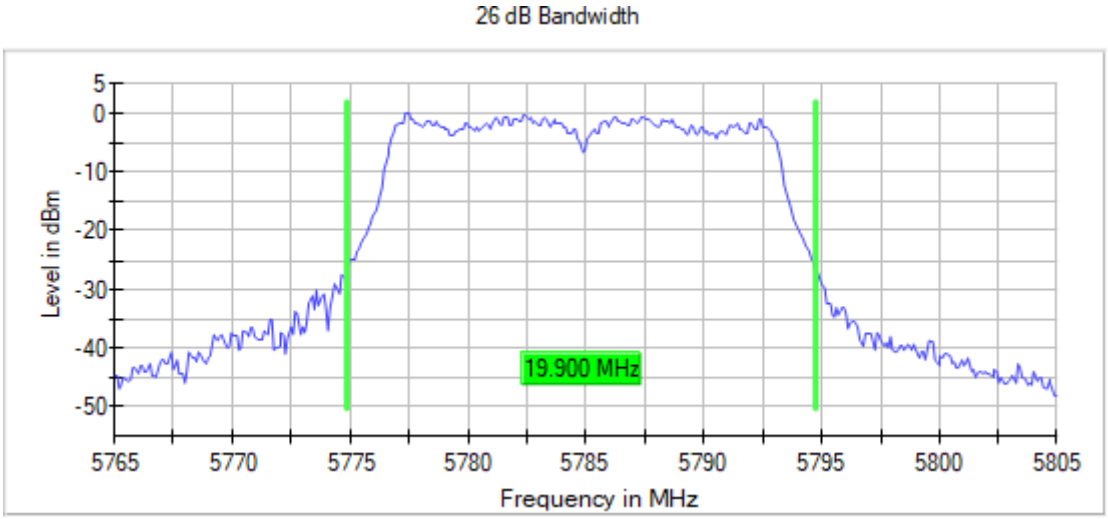


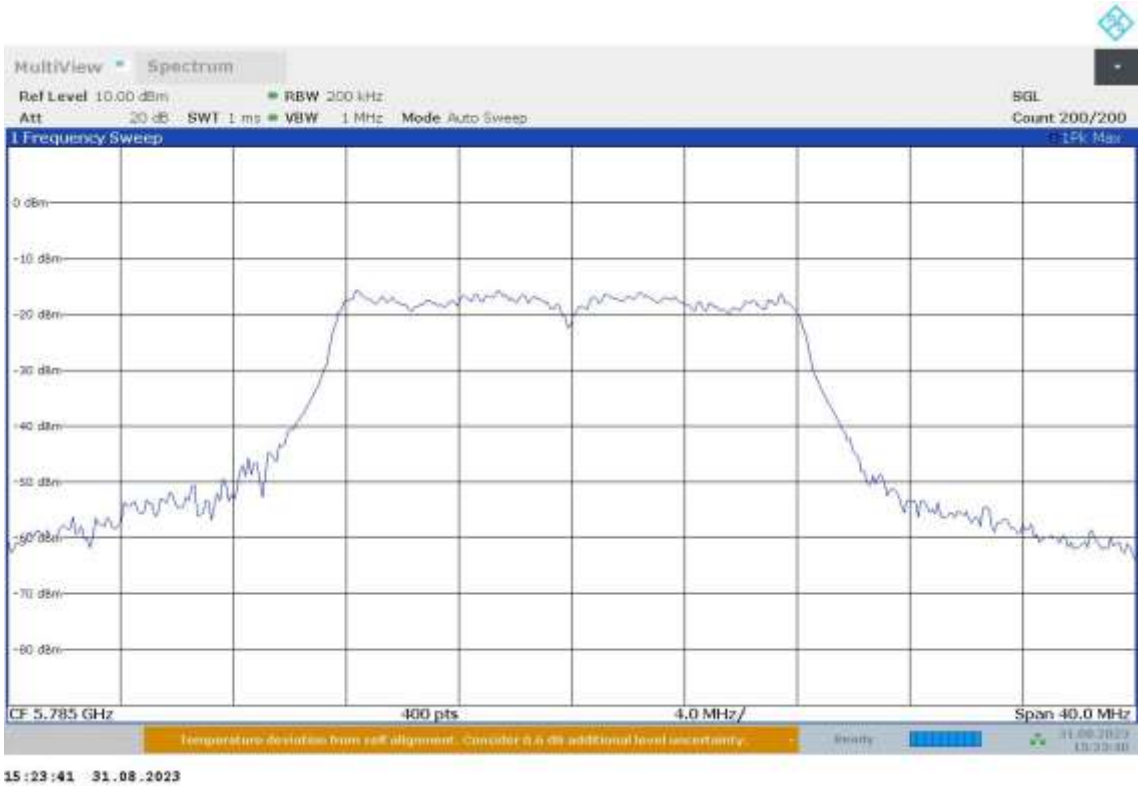
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



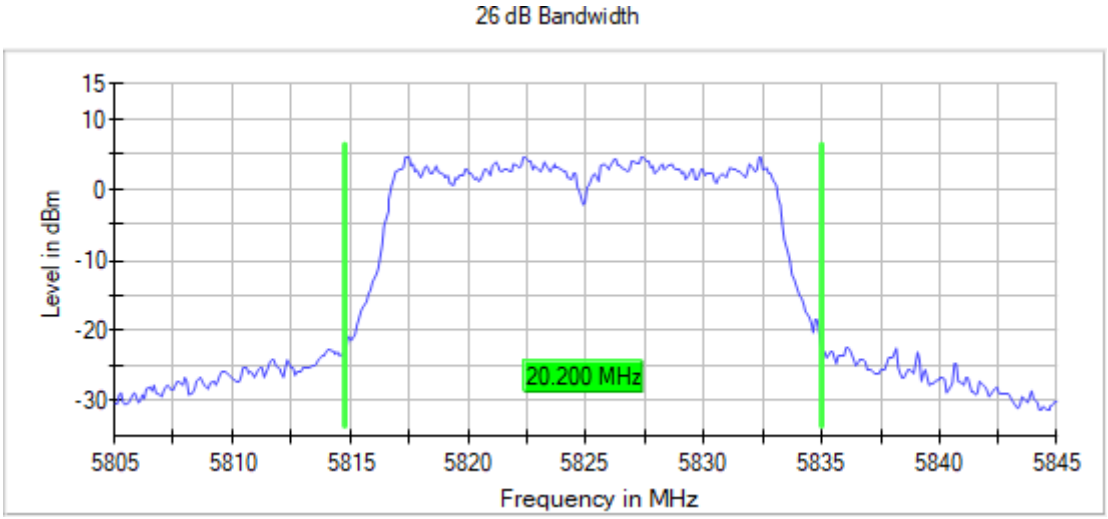


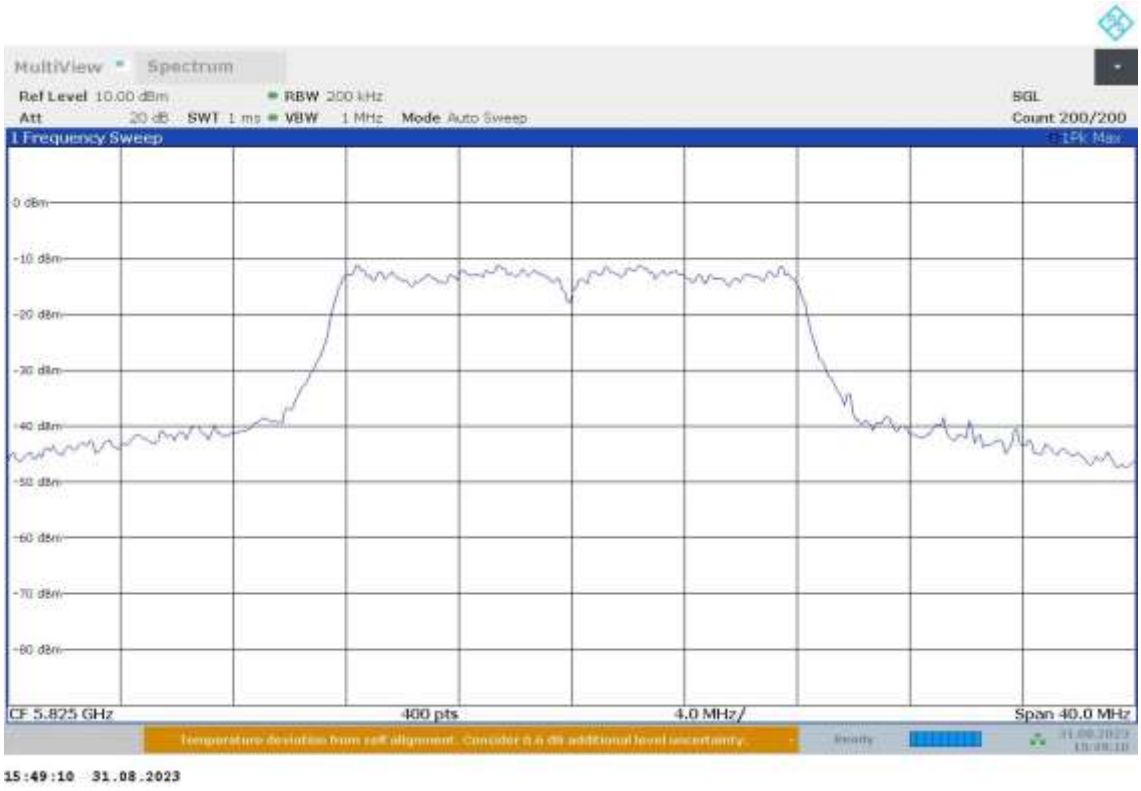
Operation Band MHz = [5150, 5850] Active Port = 1

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	20.400
		5200.00000	20.100
		5240.00000	20.300
		5745.00000	20.300
		5785.00000	20.100
		5825.00000	20.200

Verdict

Pass

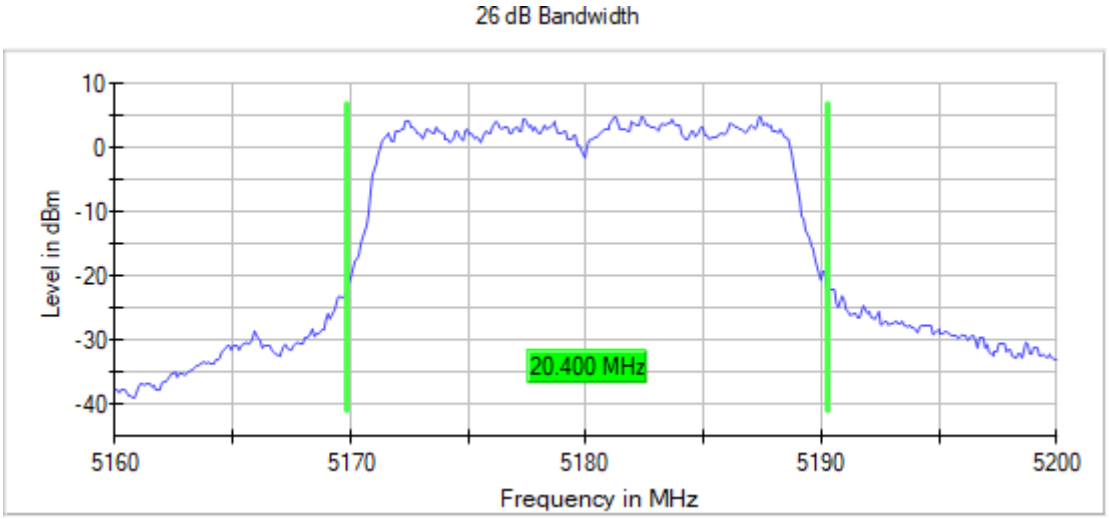
Attachments

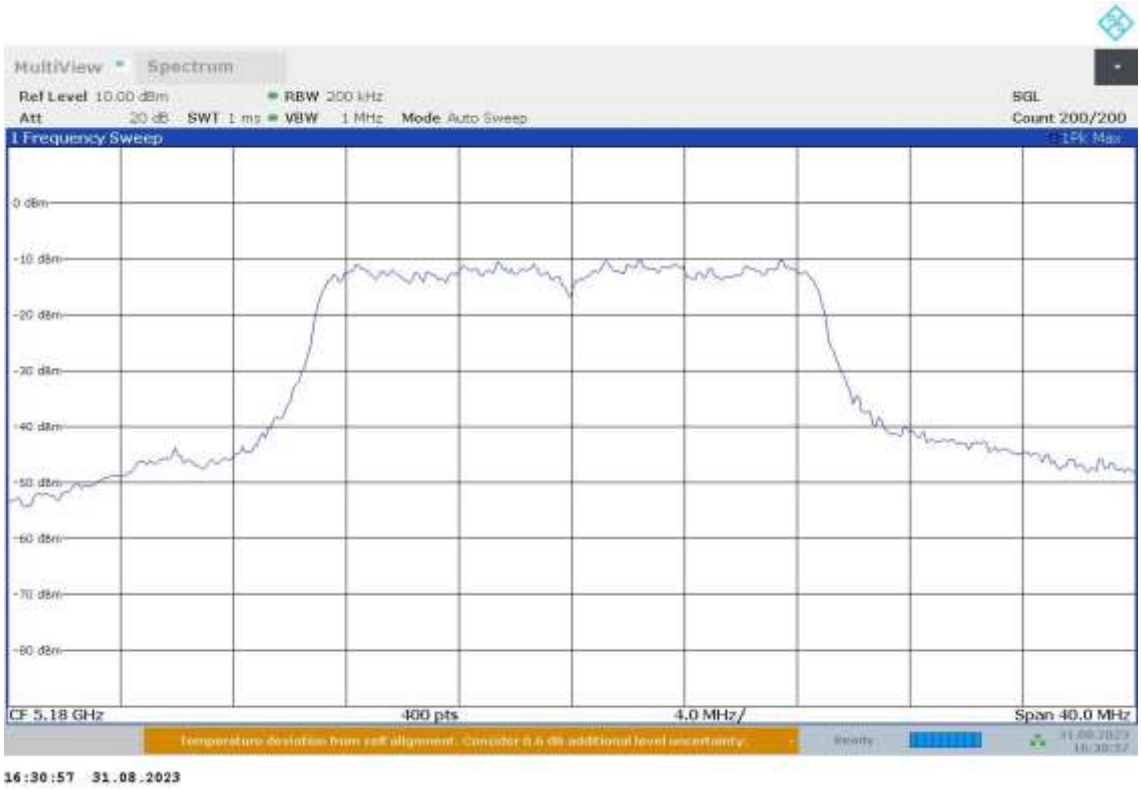
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



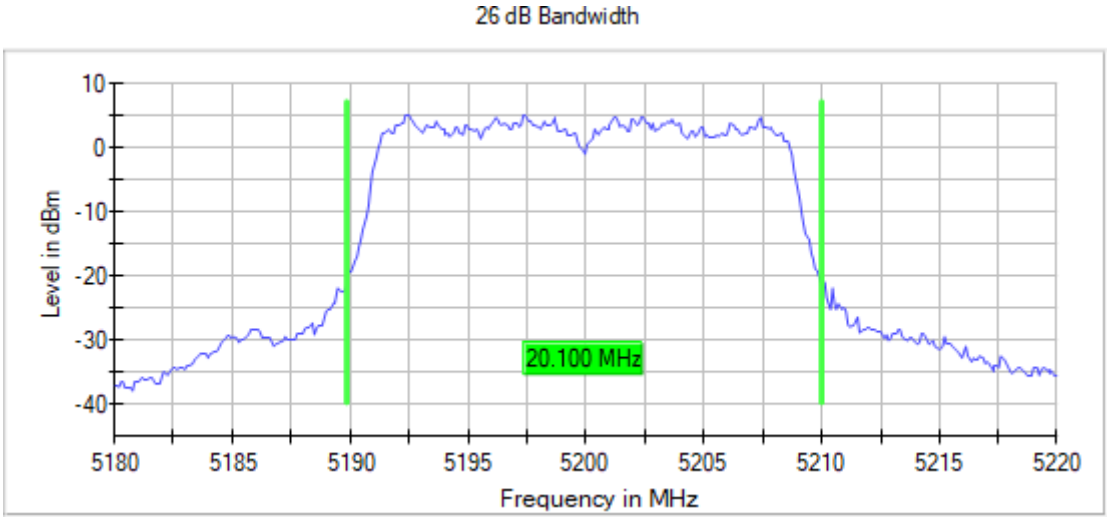


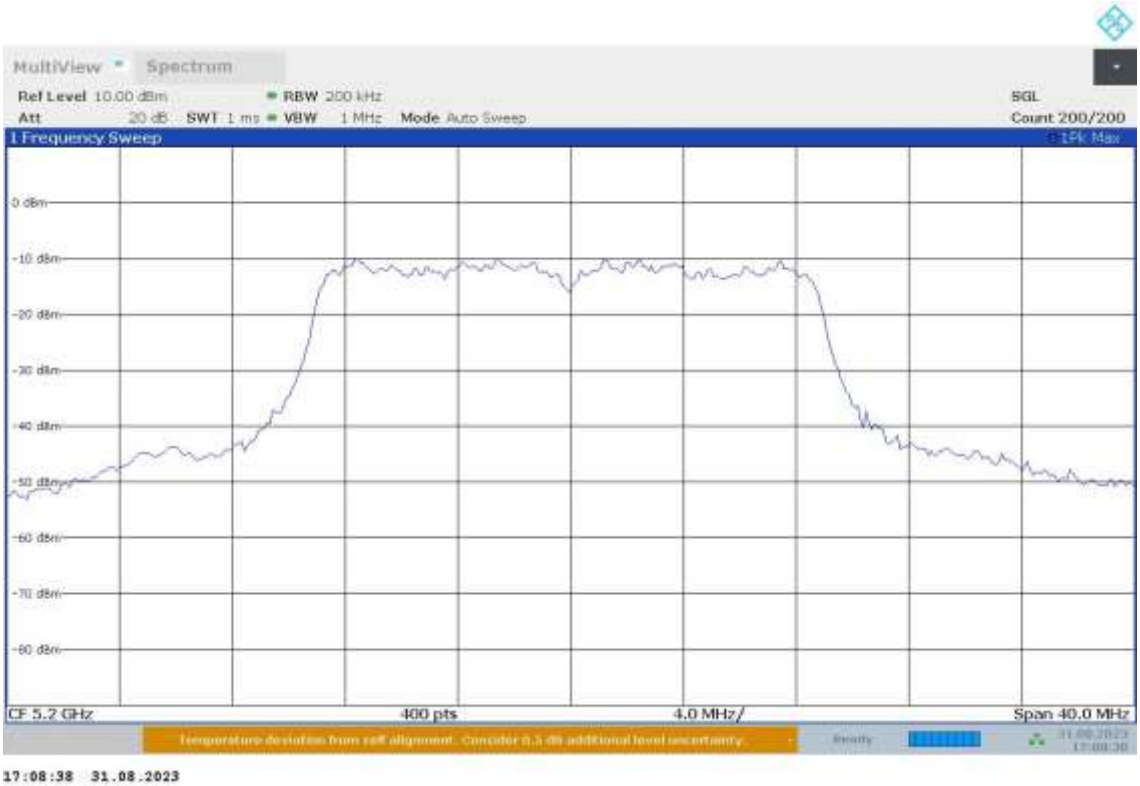
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



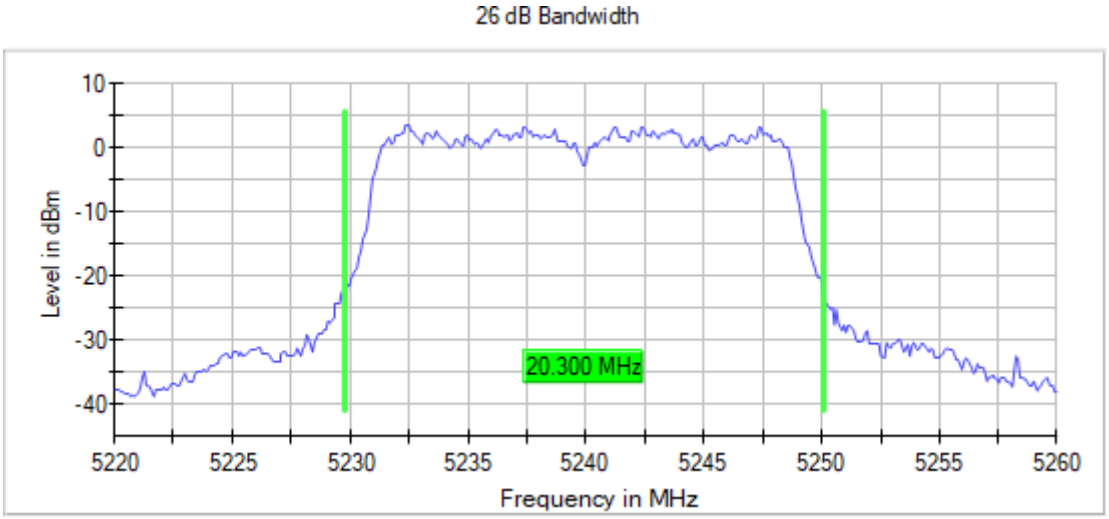


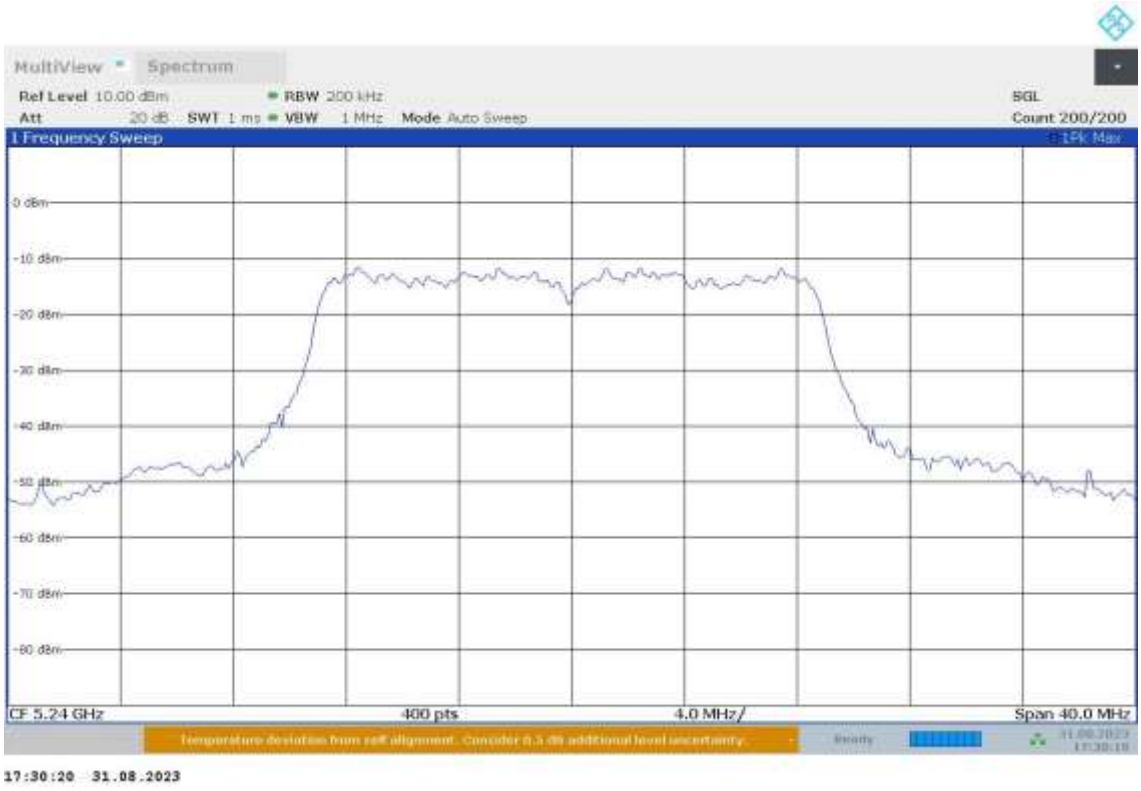
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



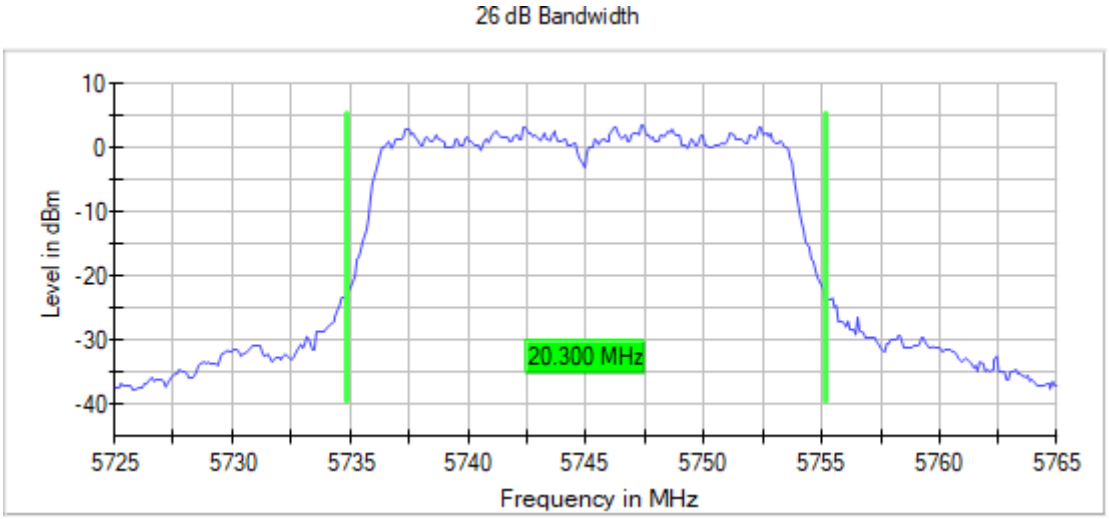


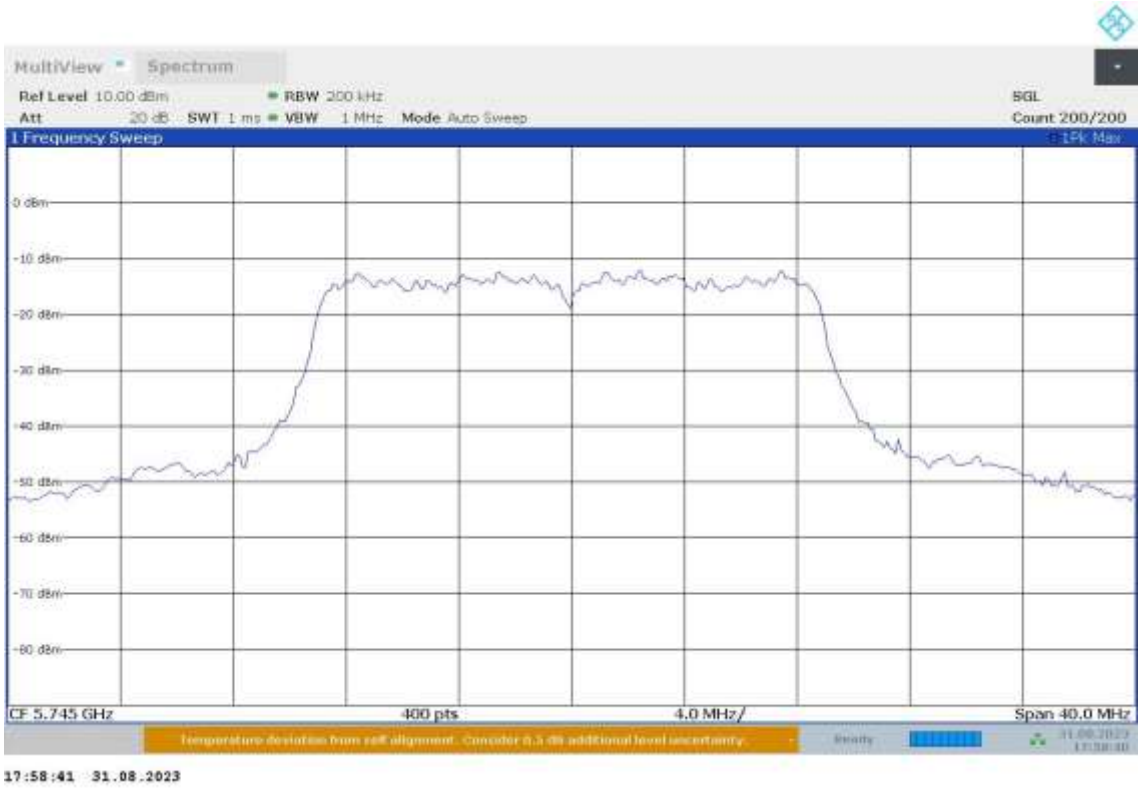
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



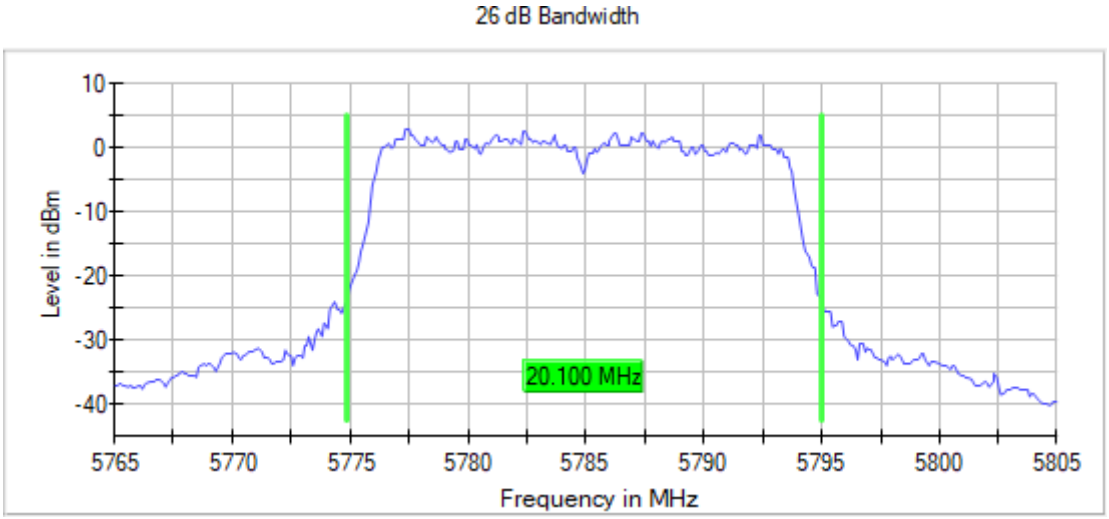


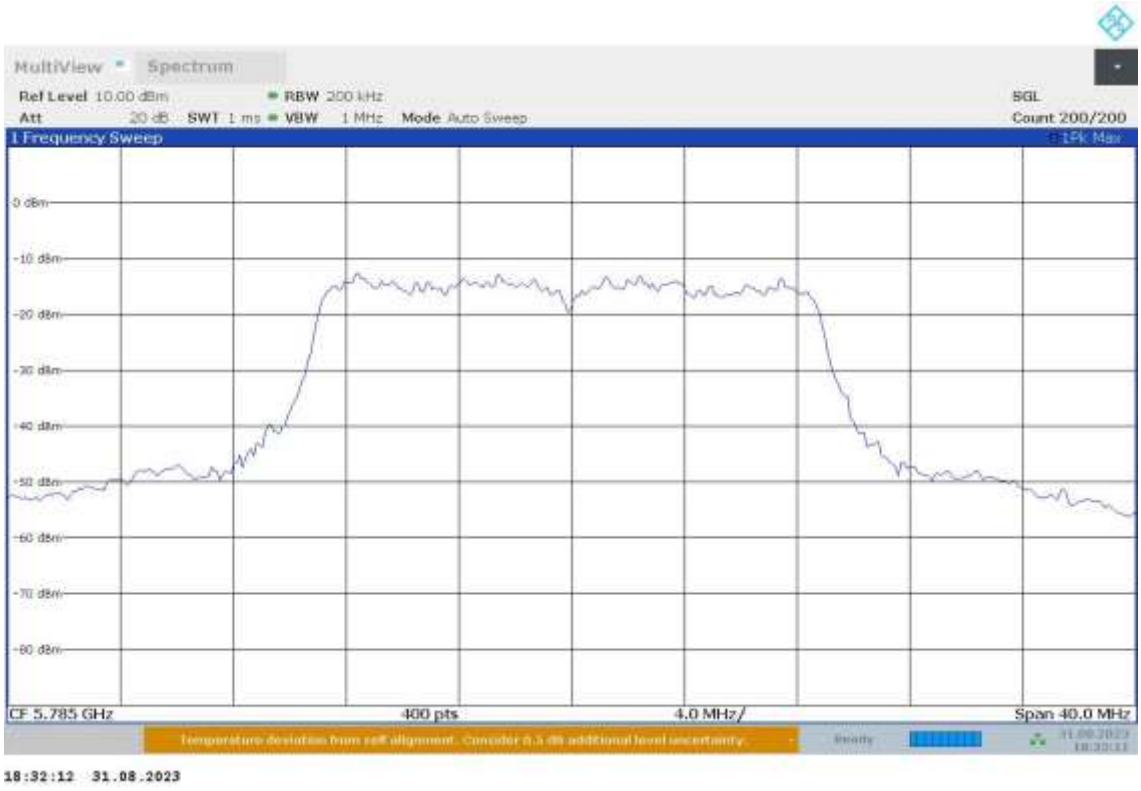
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



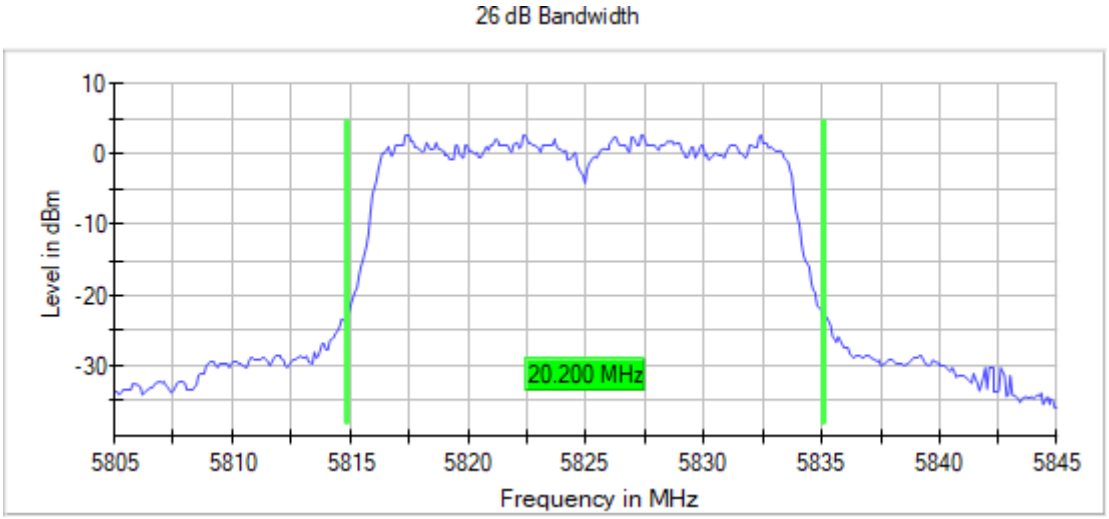


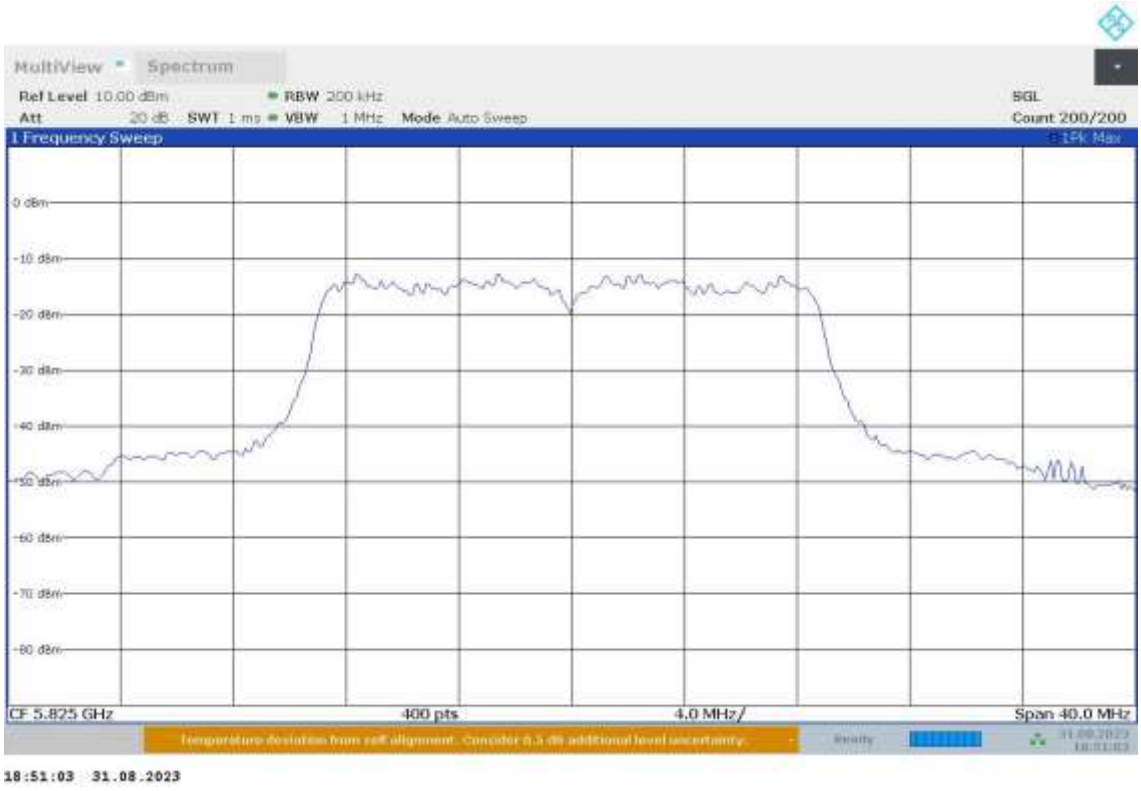
Operation Band MHz = [5150, 5850] Active Port = 1

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	40.976
		5230.00000	41.876
		5755.00000	41.426
		5795.00000	40.826

Verdict

Pass

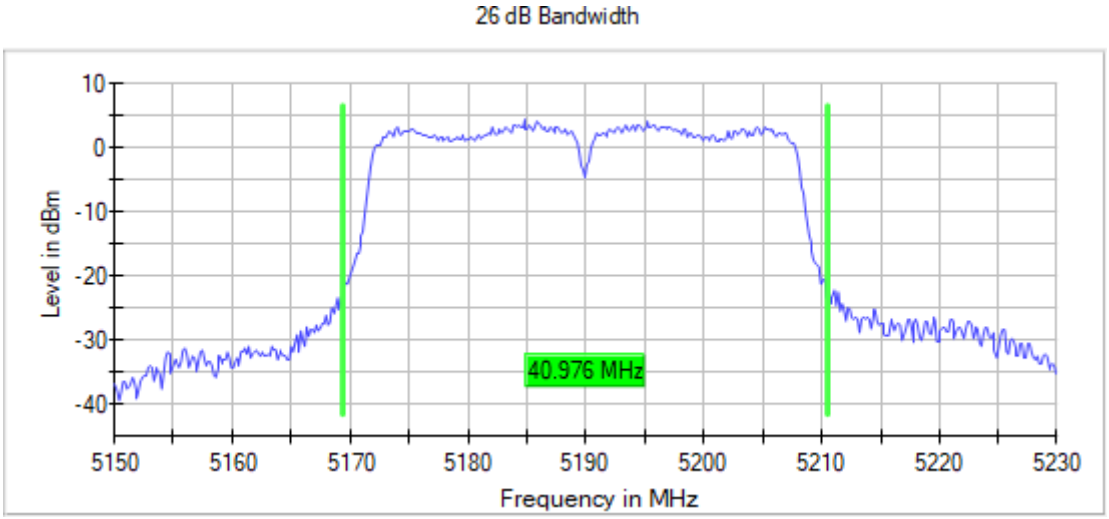
Attachments

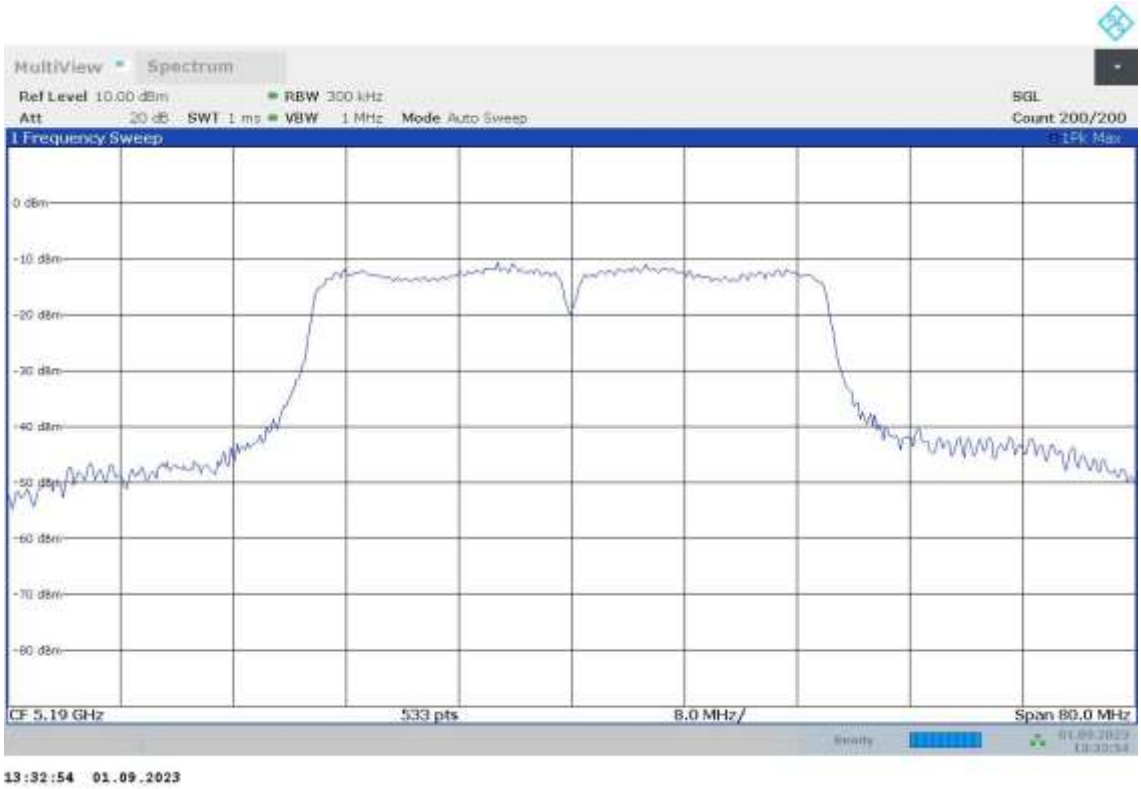
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



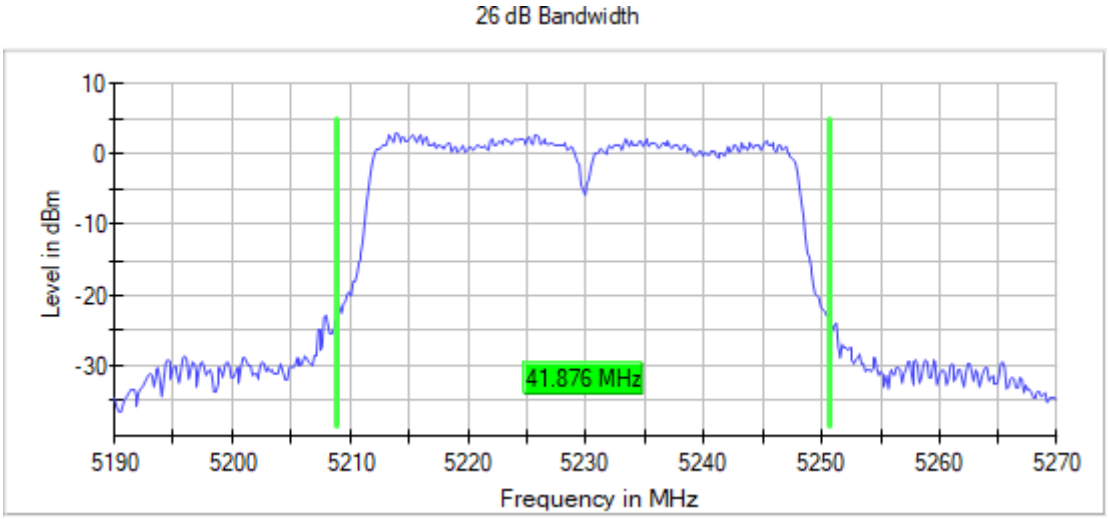


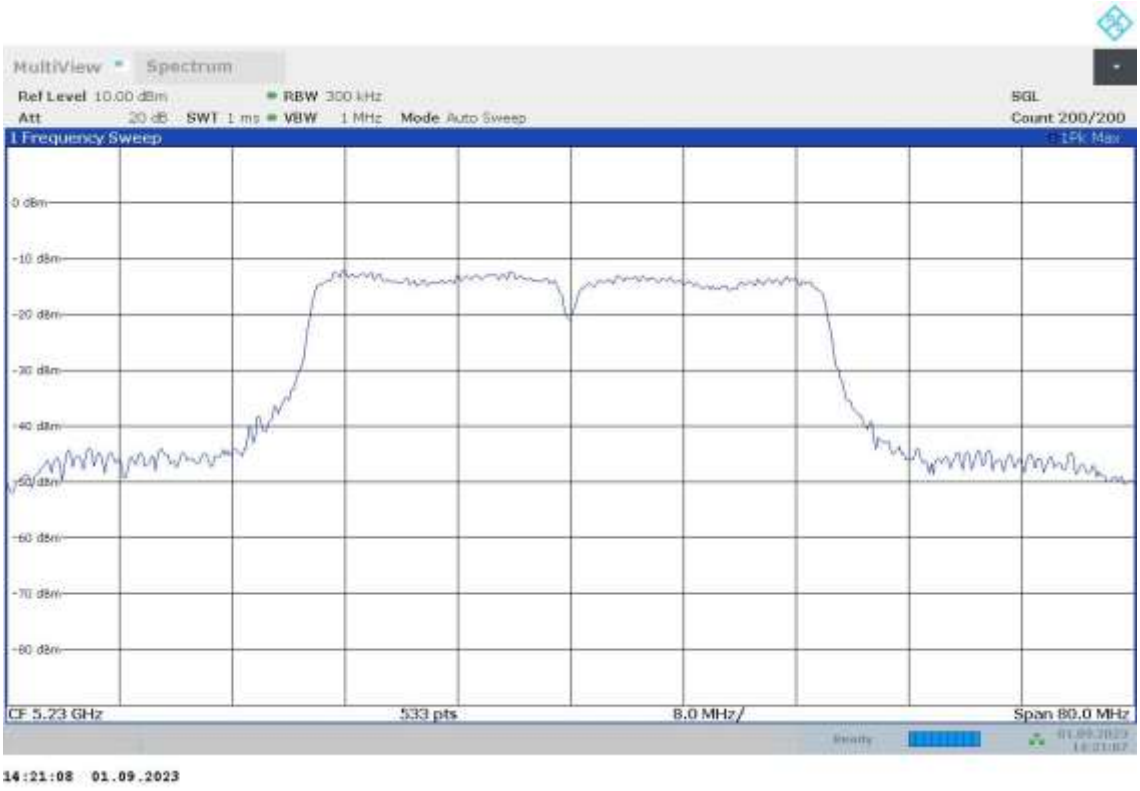
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



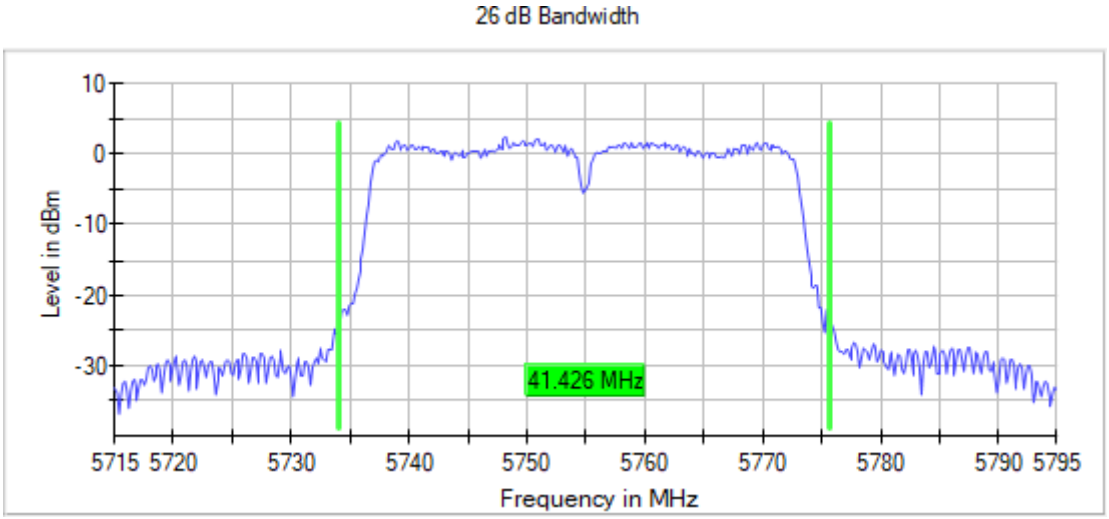


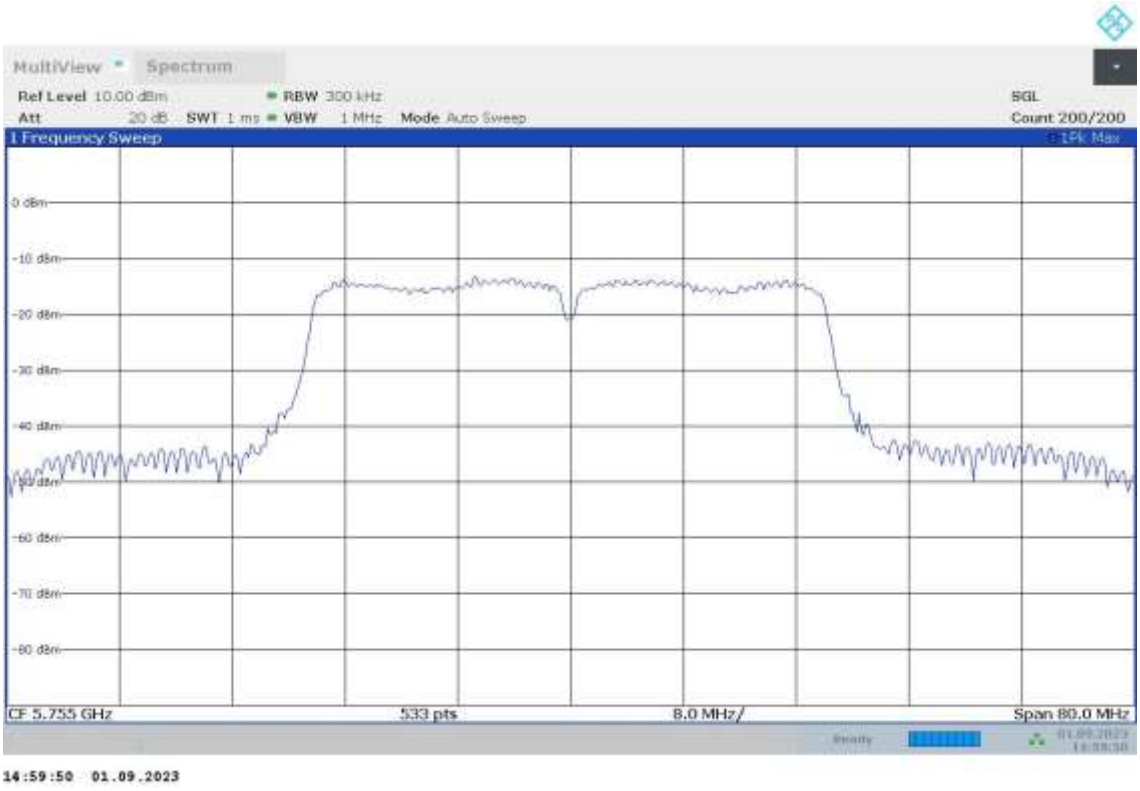
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



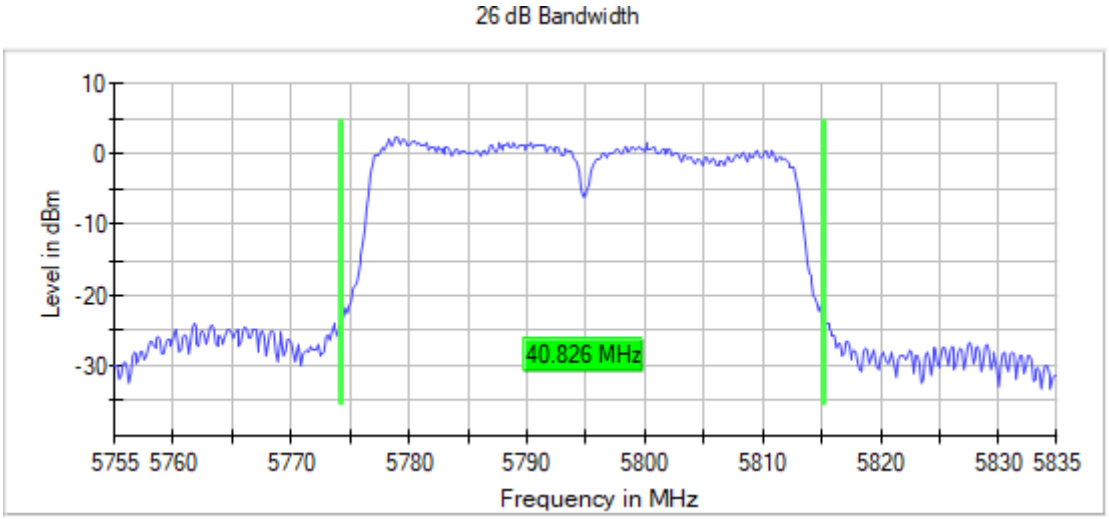


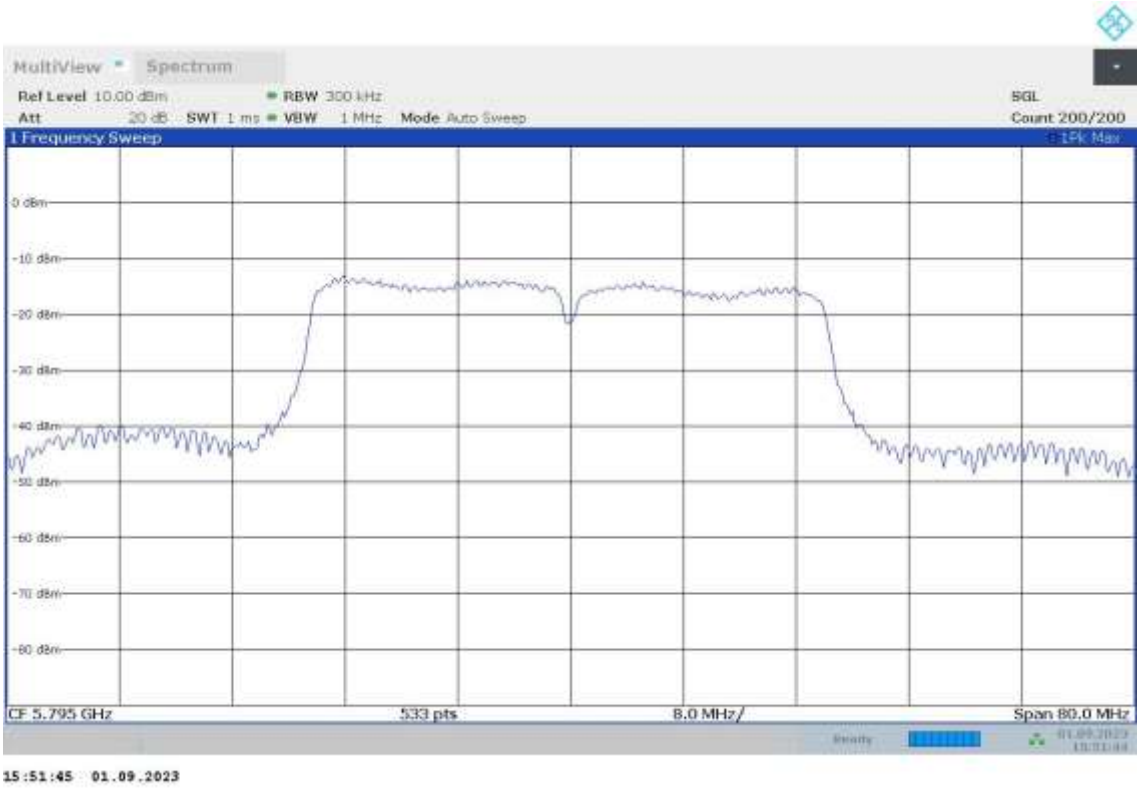
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:





Appendix A.3: Test results – MIMO

Appendix A.3

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: MIMO CCD Mode 2x2

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+2	5180.00000	13.5	17.3
		5200.00000	13.3	17.1
		5240.00000	13.4	17.2
		5745.00000	13.7	17.2
		5785.00000	13.6	17.1
		5825.00000	12.9	16.4

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 3.2 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5180.00000	13.5	15.5
		5200.00000	13.3	15.3
		5240.00000	13.4	15.4
		5745.00000	13.7	16.9
		5785.00000	13.6	16.8
		5825.00000	12.9	16.1

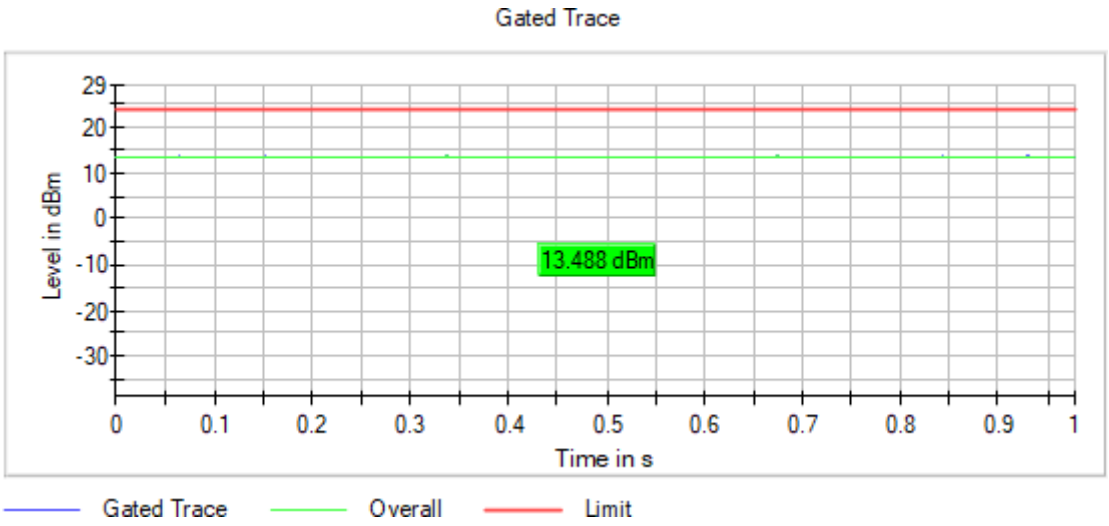
Verdict

Pass

Attachments

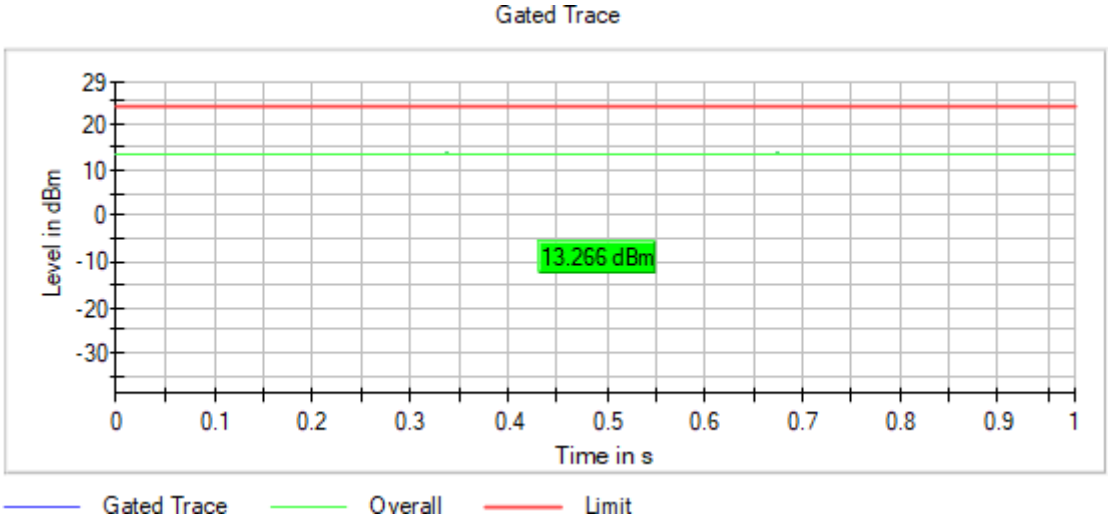
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5180.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



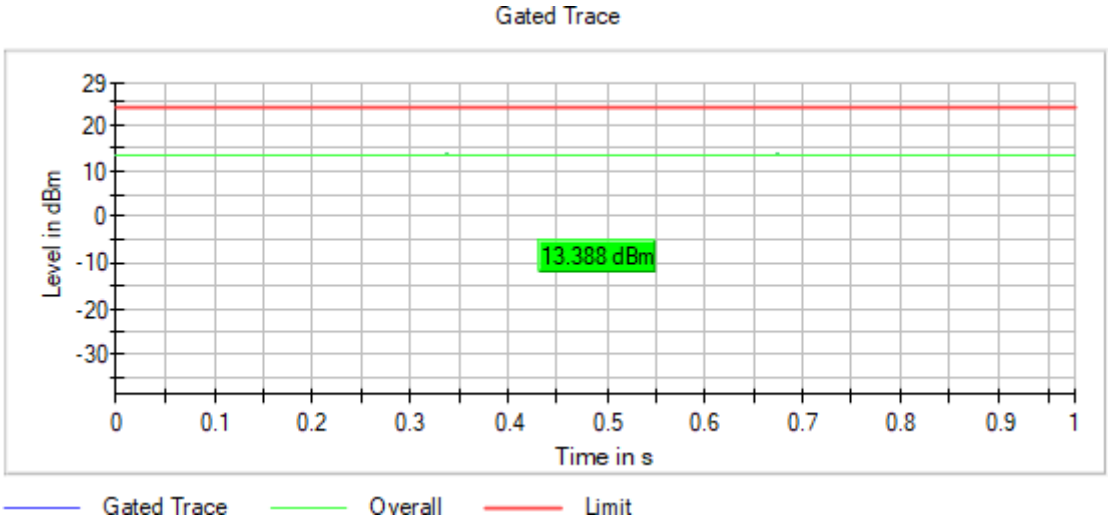
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5200.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



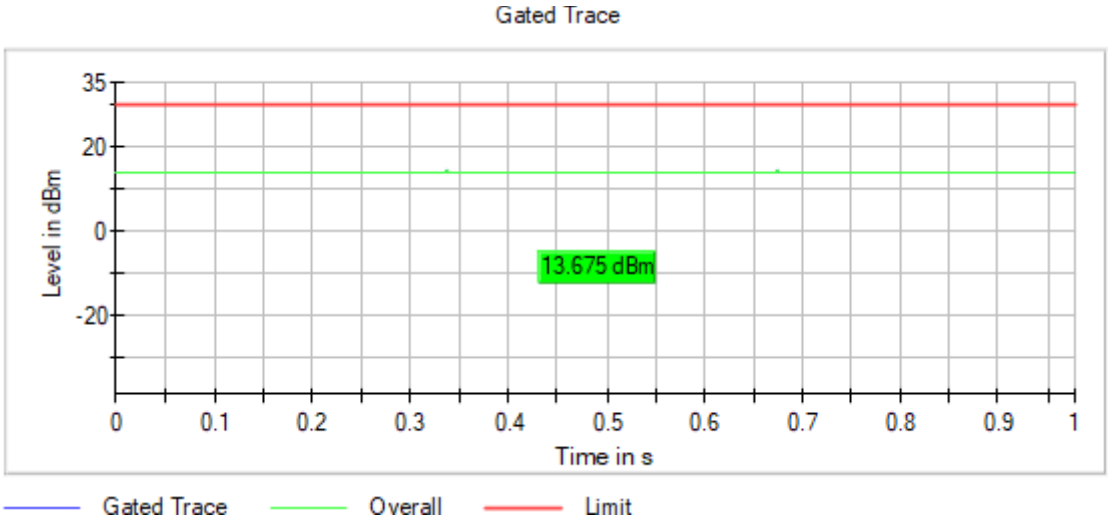
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5240.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5745.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

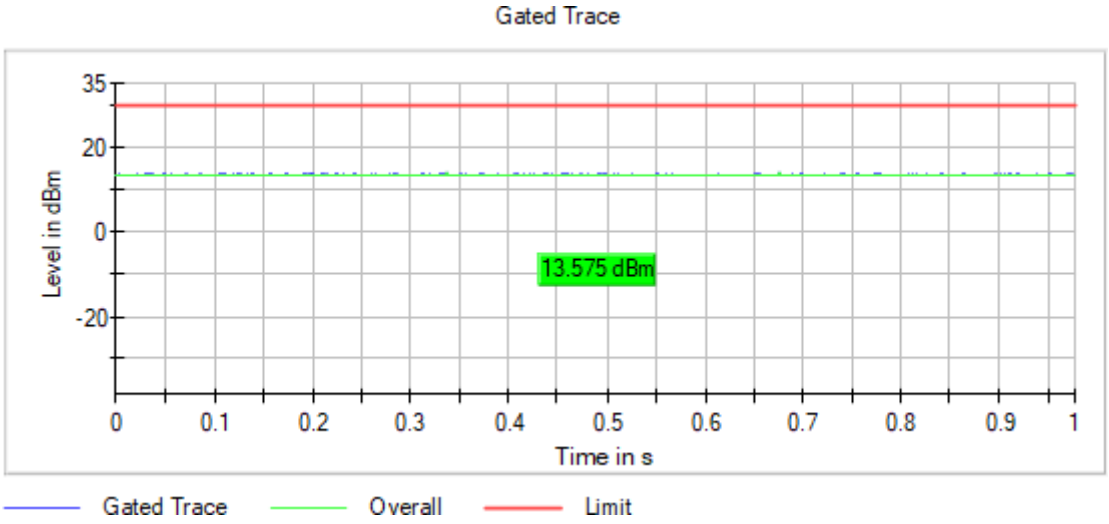


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

Images:

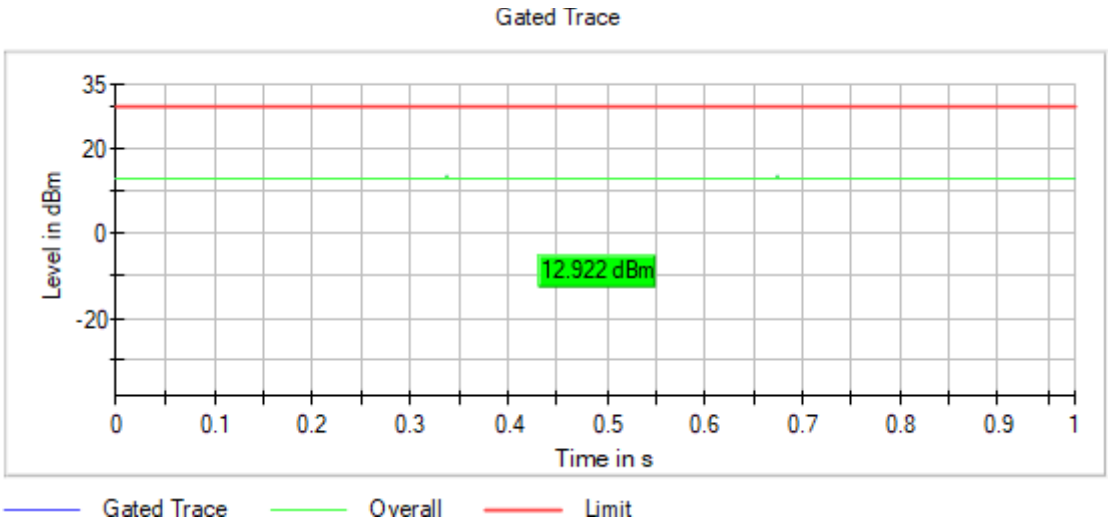


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

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: MIMO CCD Mode 2x2

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+2	5180.00000	13.5	17.3
		5200.00000	13.9	17.7
		5240.00000	12.7	16.5
		5745.00000	15.8	19.3
		5785.00000	16.0	19.5
		5825.00000	15.3	18.8

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 3.2 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5180.00000	13.5	15.5
		5200.00000	13.9	15.9
		5240.00000	12.7	14.7
		5745.00000	15.8	19.0
		5785.00000	16.0	19.2
		5825.00000	15.3	18.5

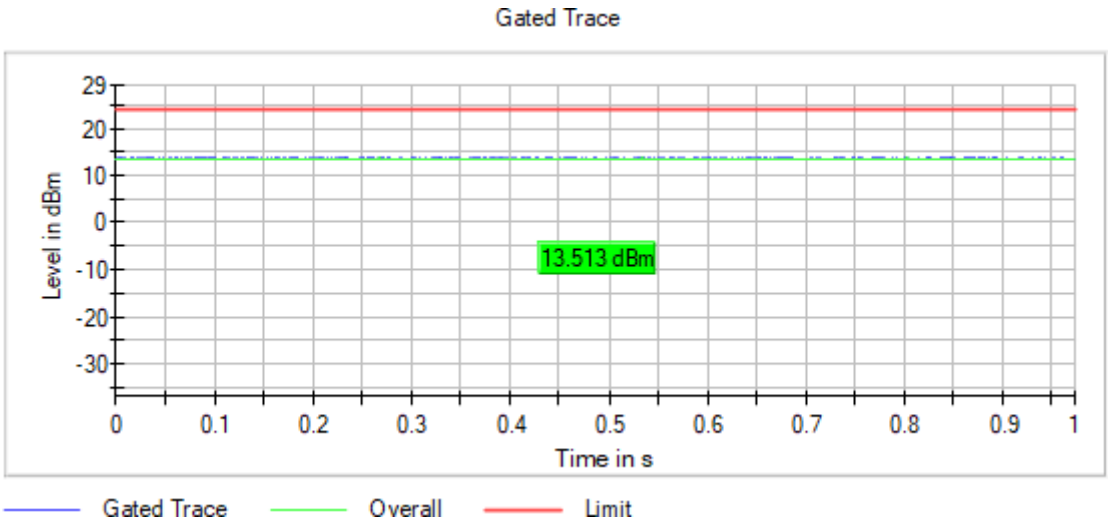
Verdict

Pass

Attachments

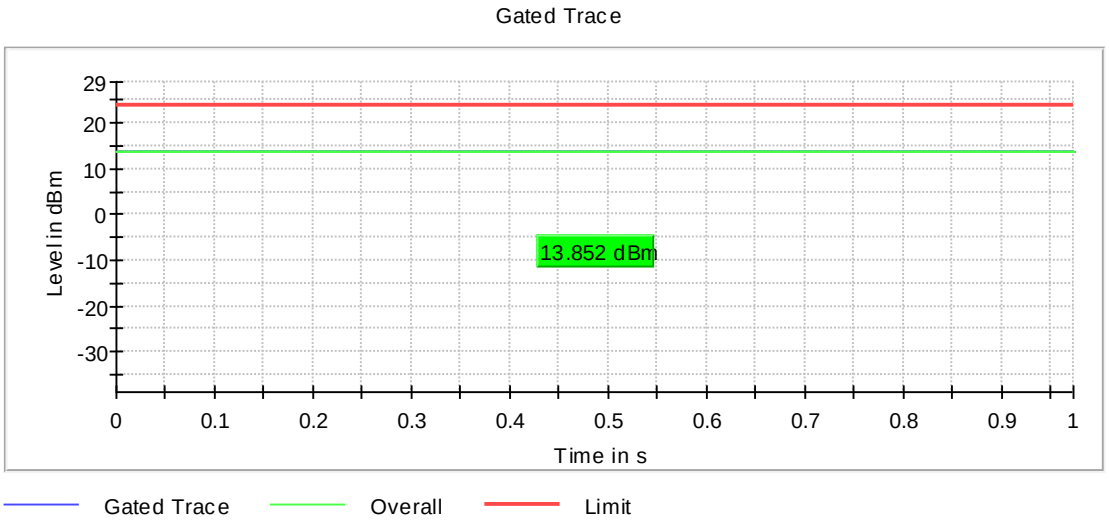
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5180.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



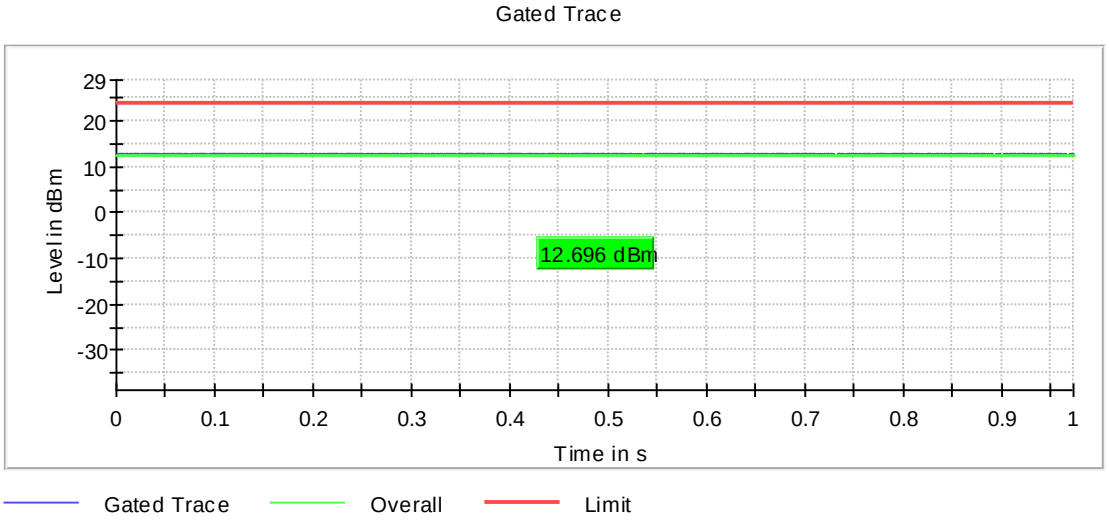
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5200.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



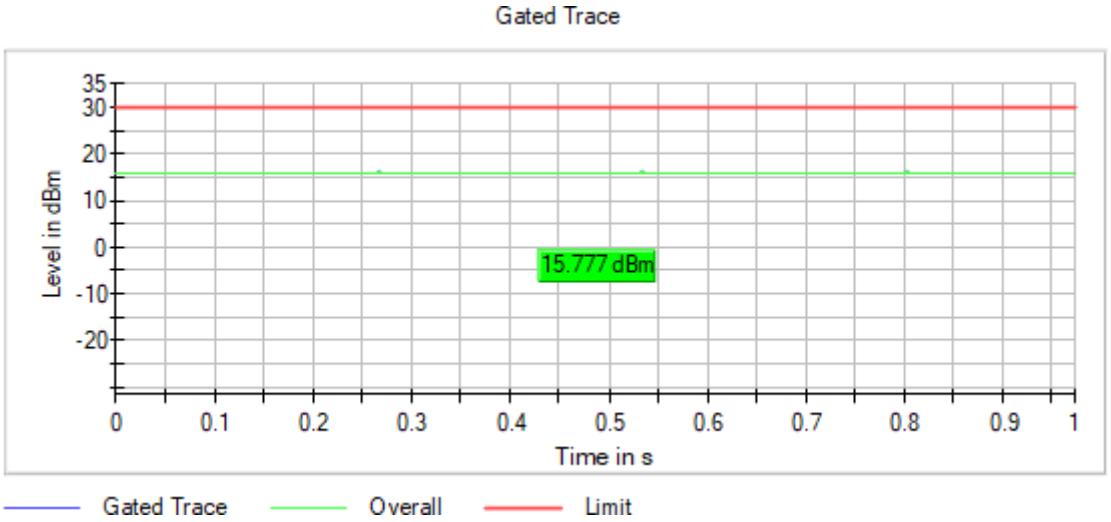
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5240.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5745.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

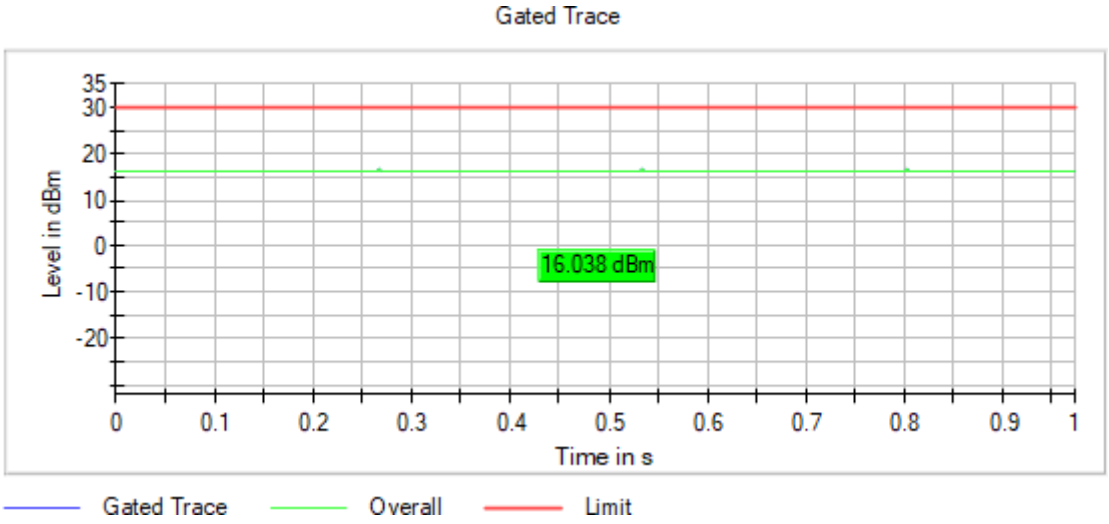


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

Images:

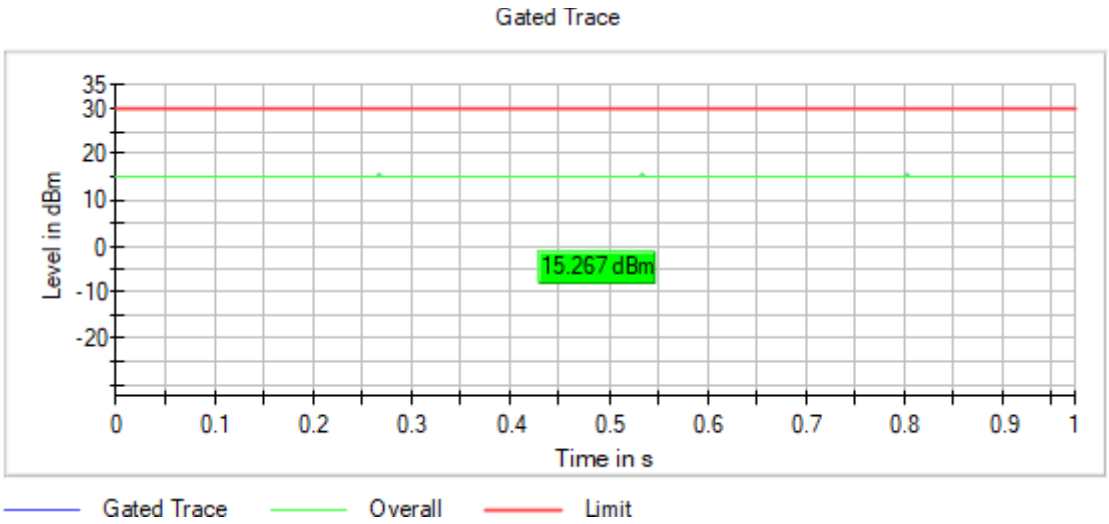


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

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: MIMO CCD Mode 2x2

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+2	5190.00000	13.3	17.1
		5230.00000	12.5	16.3
		5755.00000	17.0	20.5
		5795.00000	17.2	20.7

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 3.2 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5190.00000	13.3	15.3
		5230.00000	12.5	14.5
		5755.00000	17.0	20.2
		5795.00000	17.2	20.4

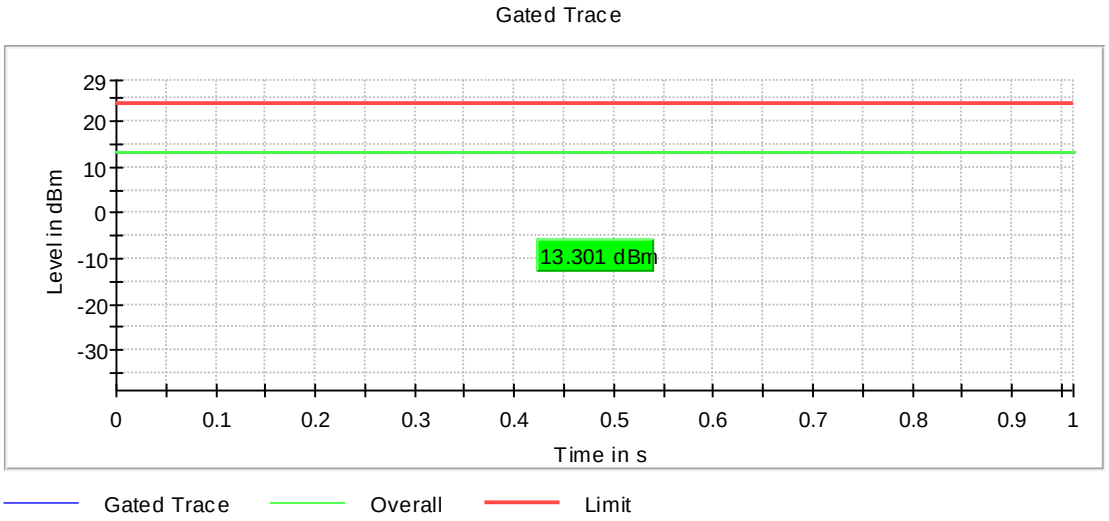
Verdict

Pass

Attachments

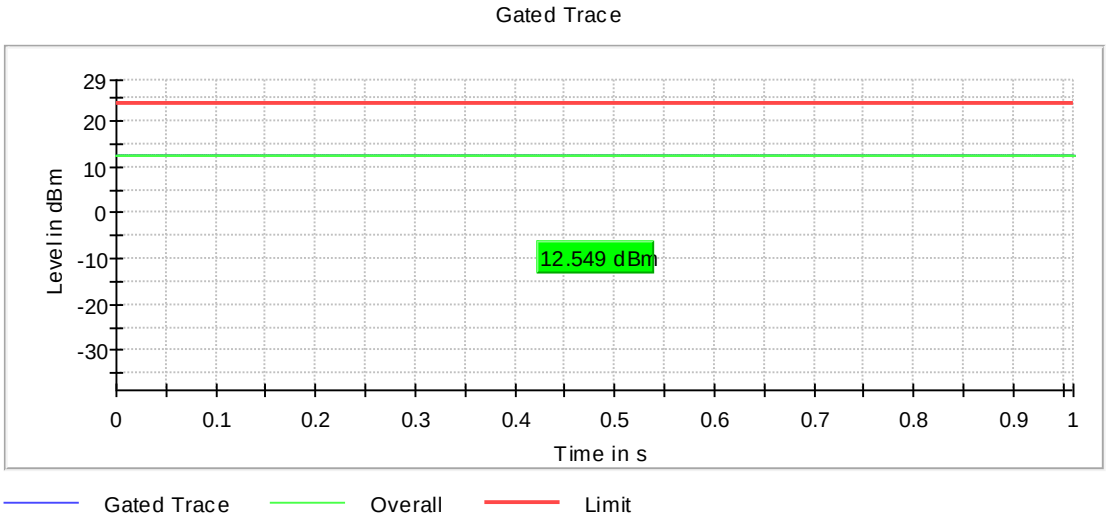
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5190.00000	Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5230.00000	Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

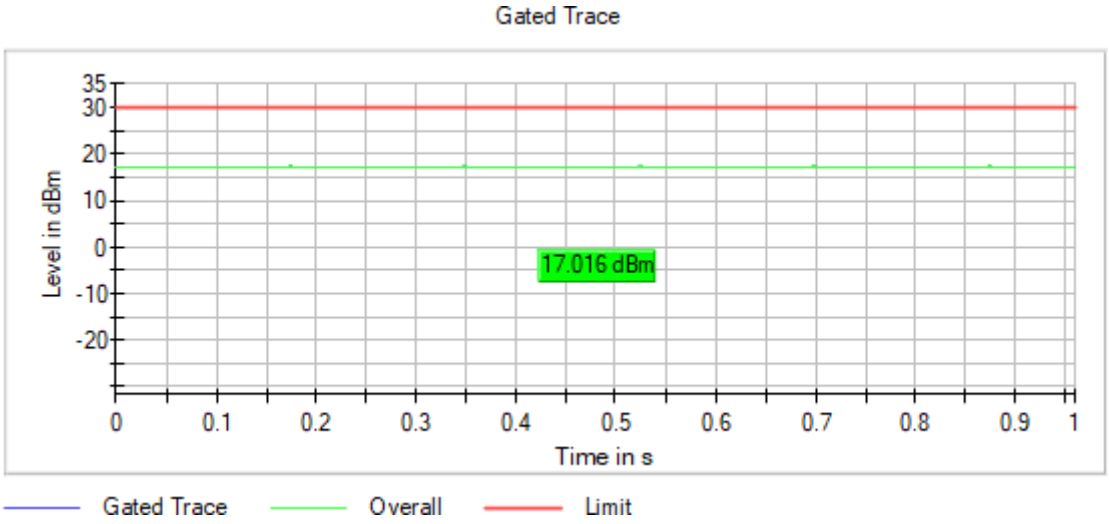


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

Images:

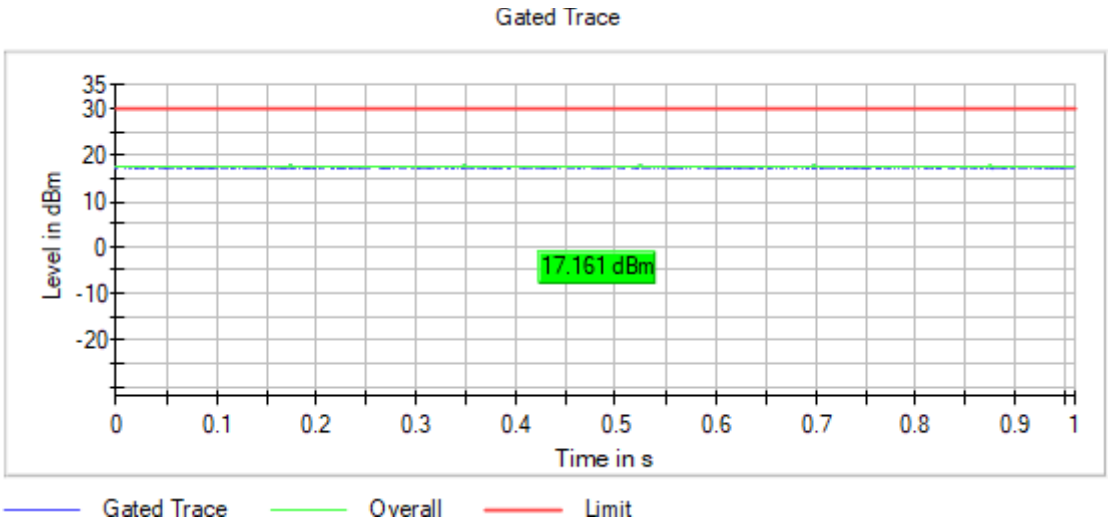


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

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: MIMO CCD Mode 2x2

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+2	5190.00000	14.7	18.5
		5230.00000	15.5	19.3
		5755.00000	14.7	18.2
		5795.00000	16.4	19.9

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 3.2 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5190.00000	14.7	16.7
		5230.00000	15.5	17.5
		5755.00000	14.7	17.9
		5795.00000	16.4	19.6

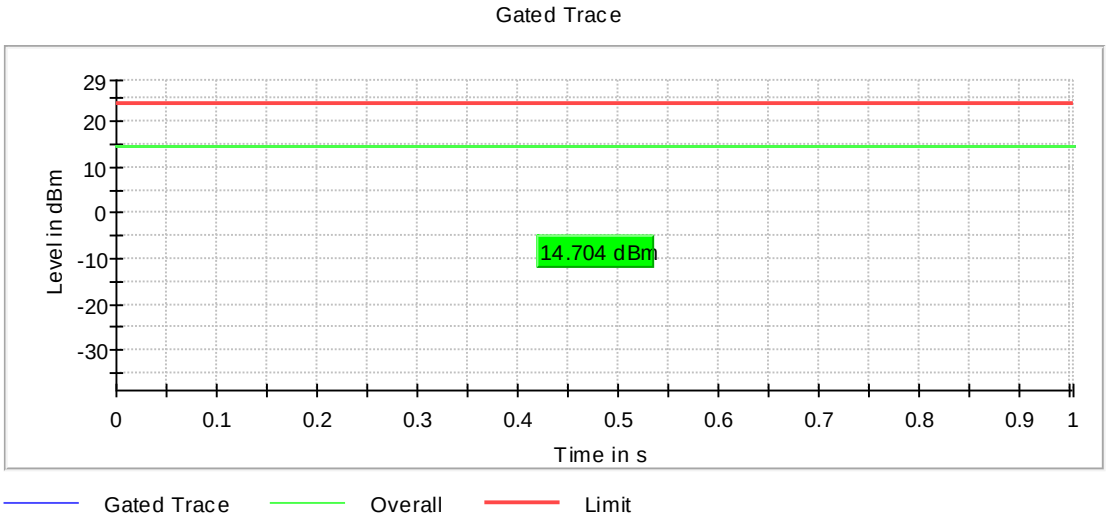
Verdict

Pass

Attachments

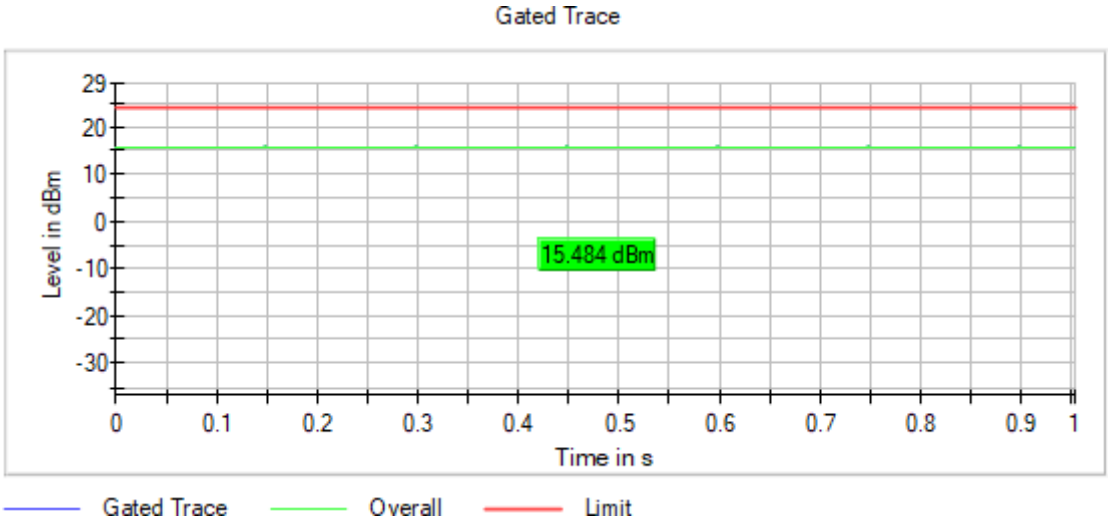
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5190.00000	Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5230.00000	Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

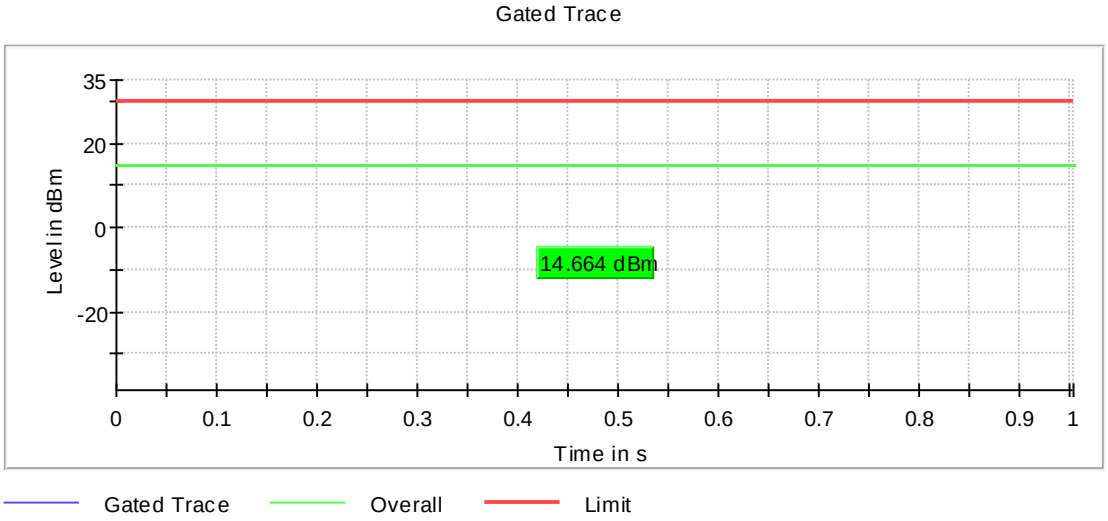


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

Images:

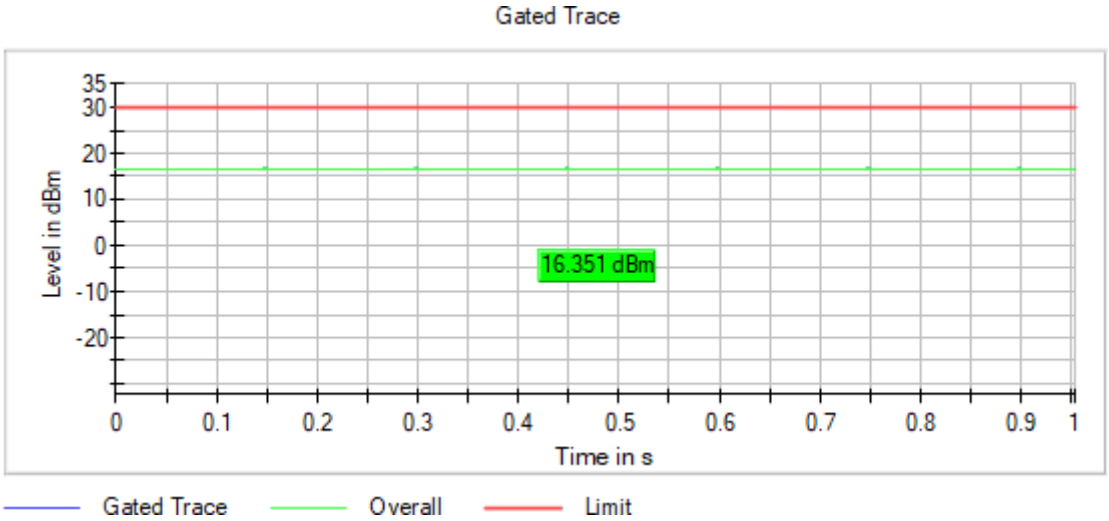


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

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: MIMO CCD Mode 2x2

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

Results

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5210.00000	11.9	15.7
		5775.00000	15.3	18.8

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 3.2 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5210.00000	11.9	13.9
		5775.00000	15.3	18.5

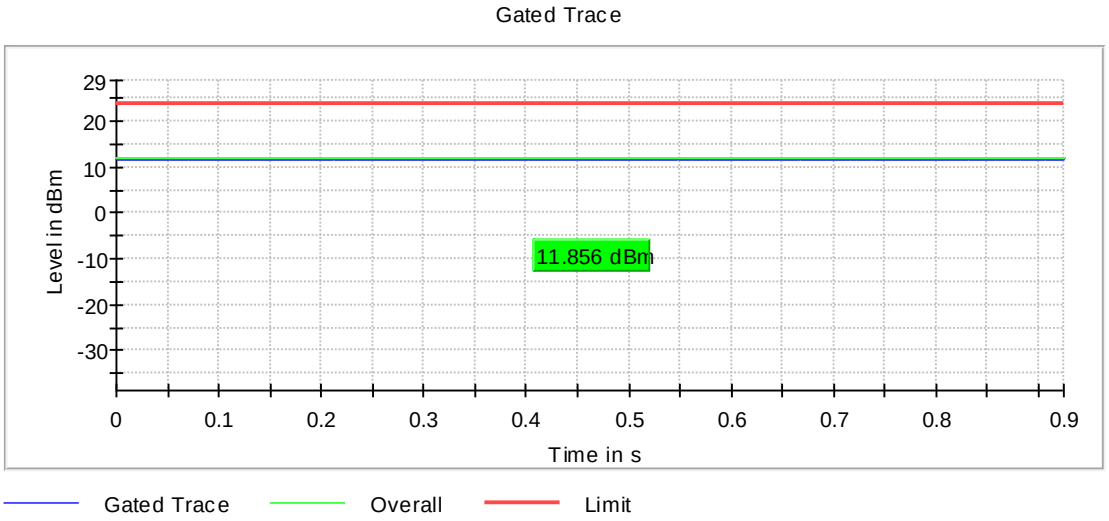
Verdict

Pass

Attachments

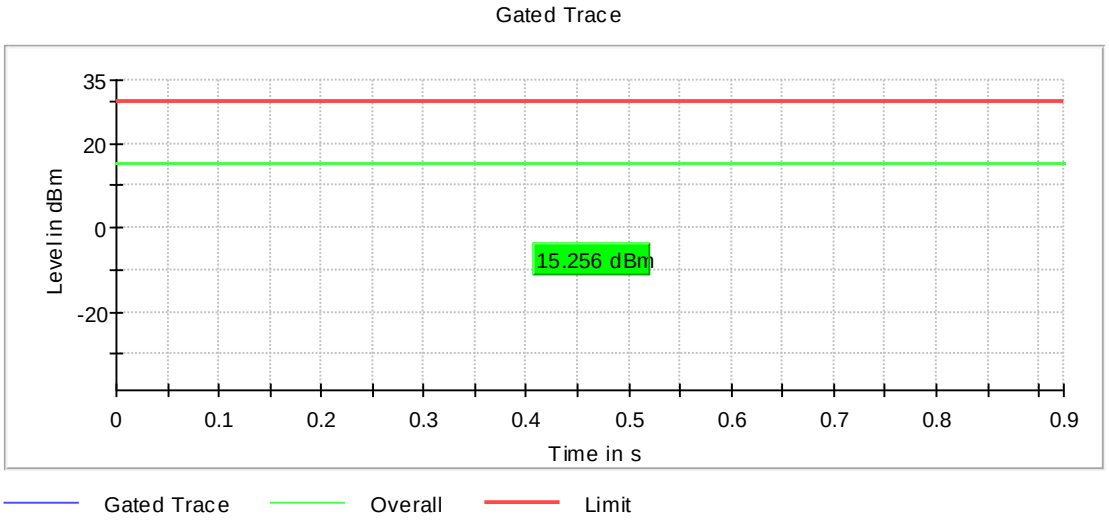
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5210.00000	Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5775.00000	Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

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: MIMO CCD Mode 2x2

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+2	5210.00000	12.2	16.0
		5775.00000	16.0	19.5

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 3.2 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5210.00000	12.2	14.2
		5775.00000	16.0	19.2

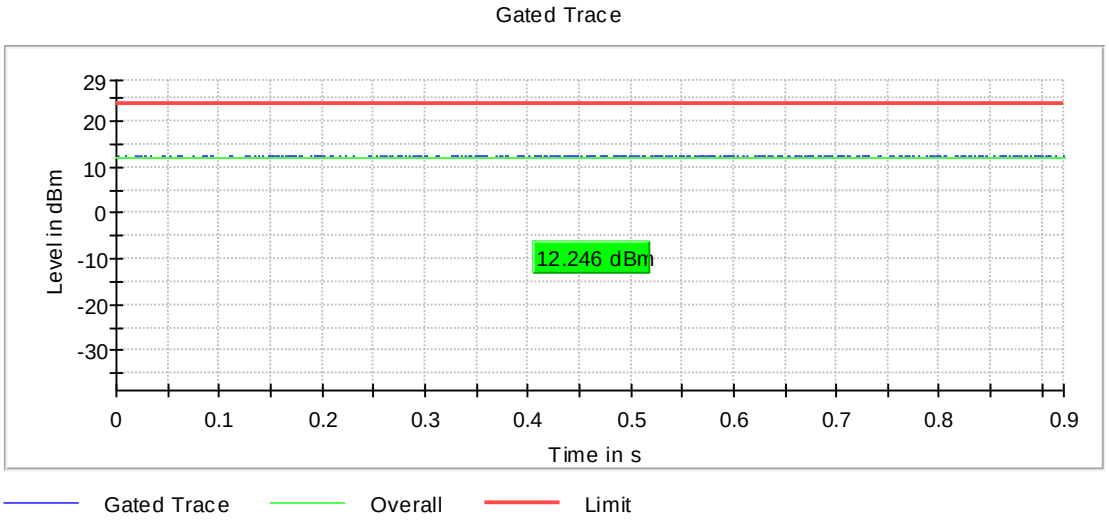
Verdict

Pass

Attachments

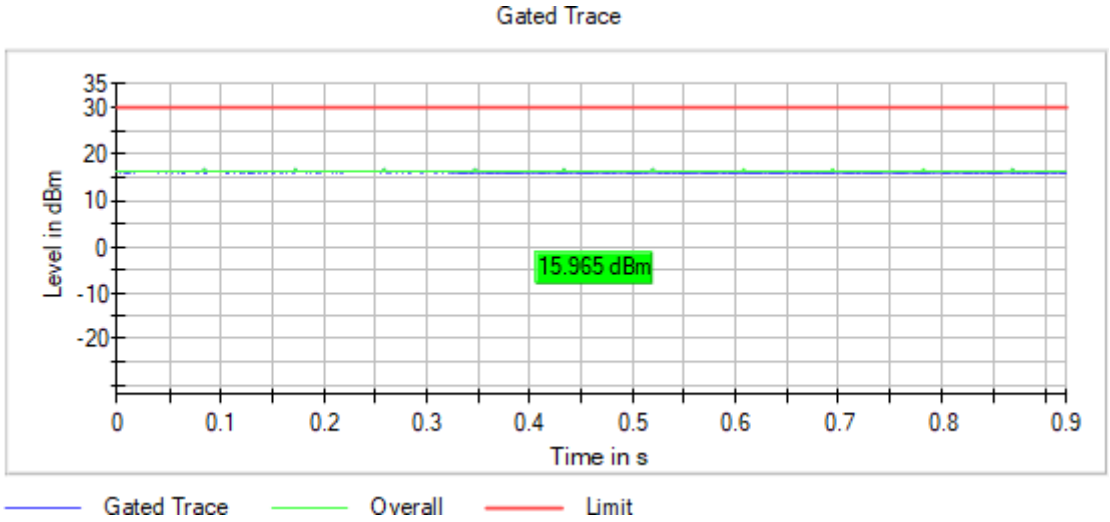
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5210.00000	Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5775.00000	Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

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: MIMO CCD Mode 2x2

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

Results

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5180.00000	14.5	18.3
		5200.00000	14.3	18.1
		5240.00000	14.4	18.2
		5745.00000	13.9	17.4
		5785.00000	12.3	15.8
		5825.00000	12.1	15.6

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 3.2 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5180.00000	14.5	16.5
		5200.00000	14.3	16.3
		5240.00000	14.4	16.4
		5745.00000	13.9	17.1
		5785.00000	12.3	15.5
		5825.00000	12.1	15.3

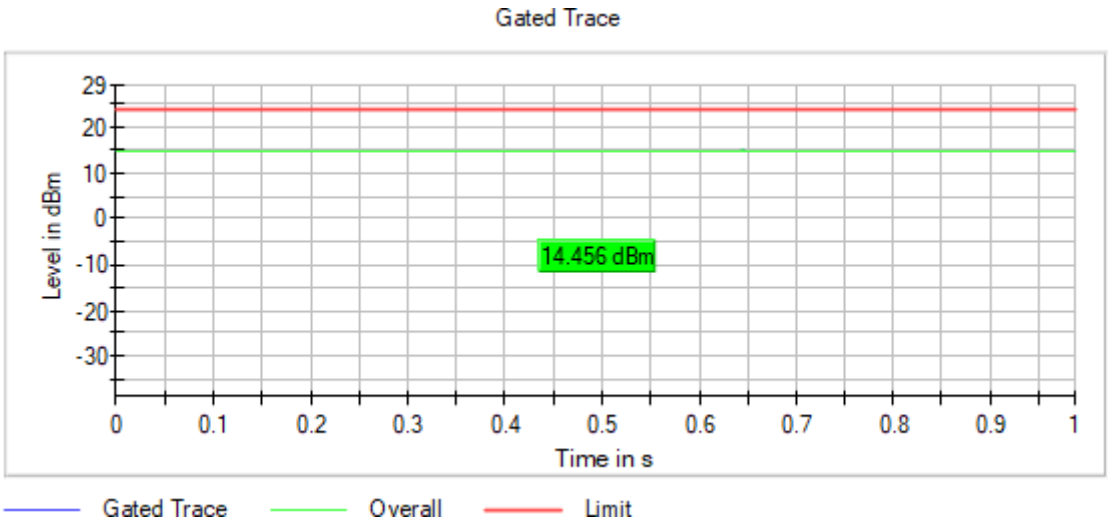
Verdict

Pass

Attachments

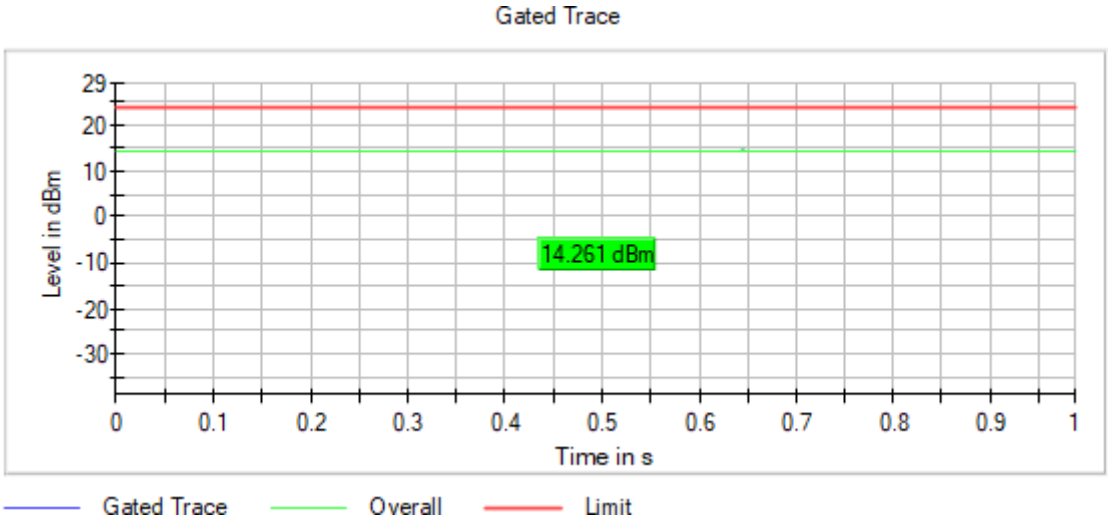
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5180.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



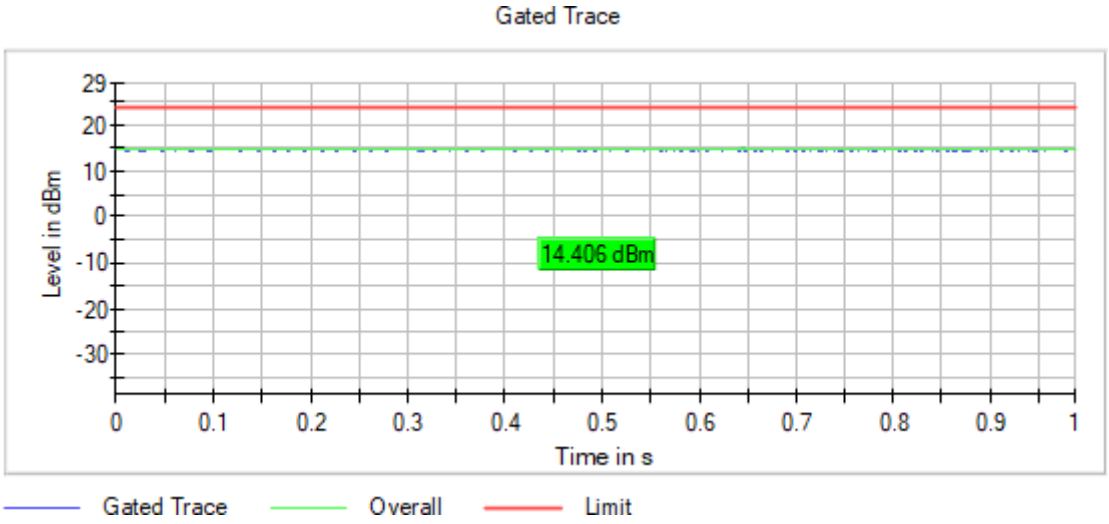
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5200.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



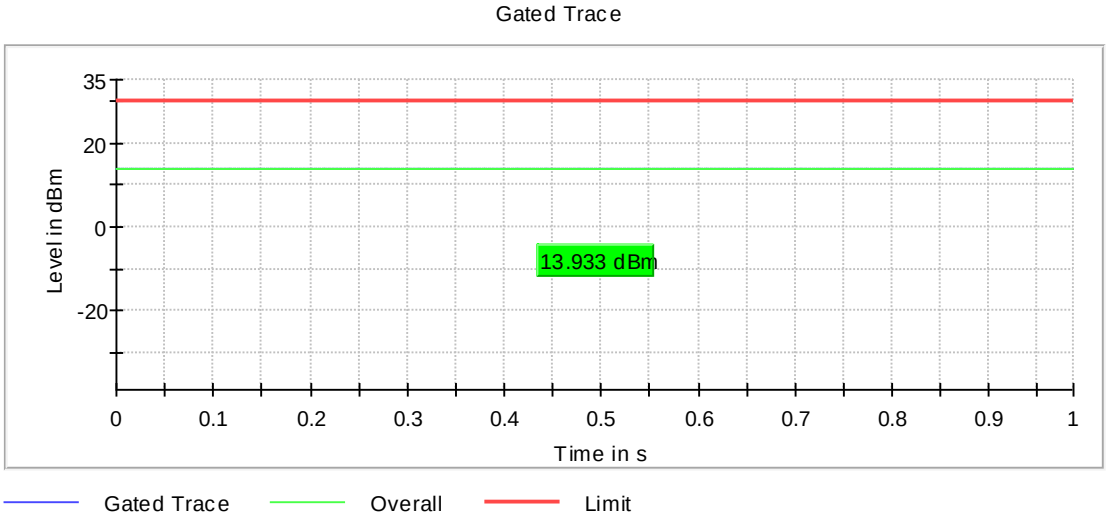
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5240.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5745.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

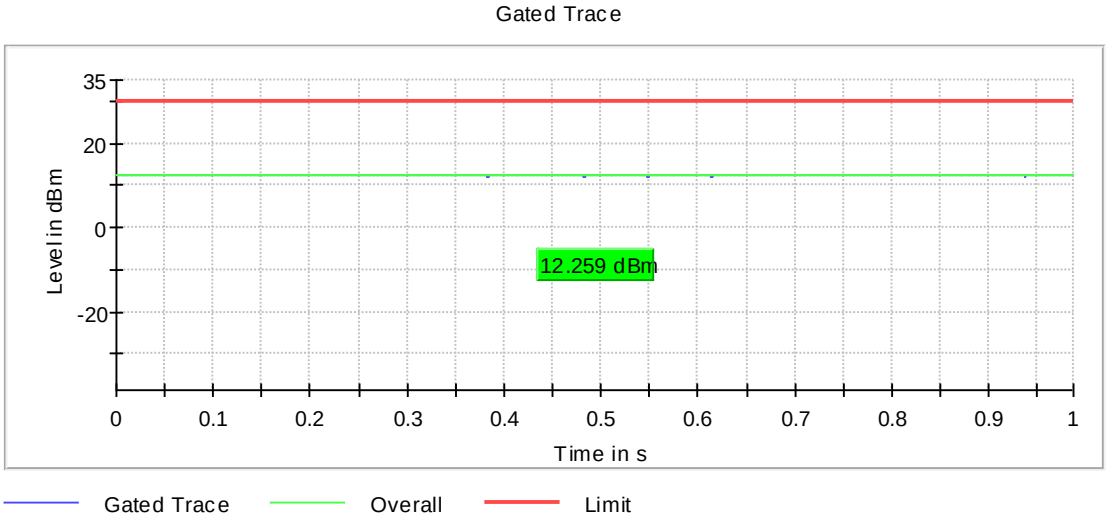


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

Images:

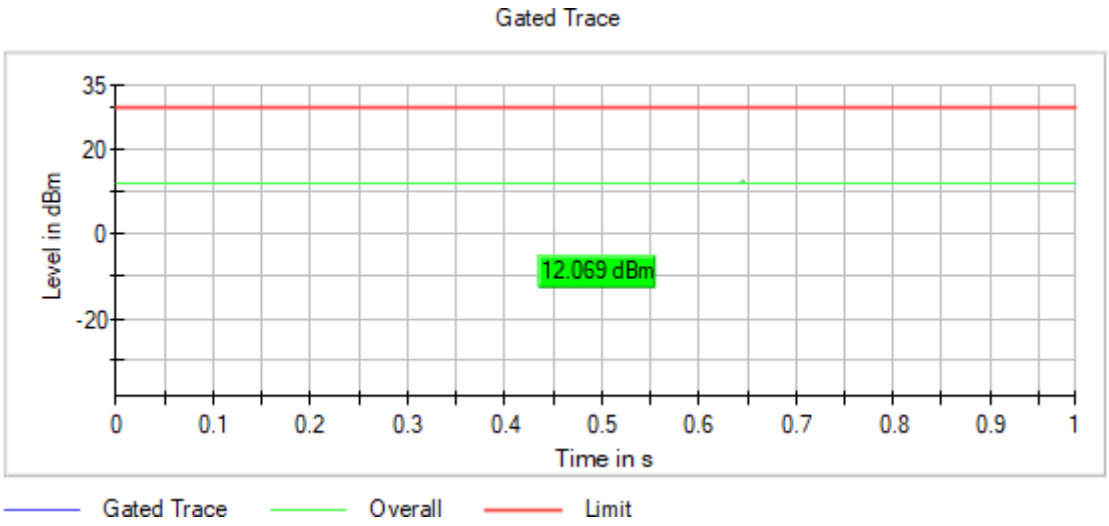


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

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: MIMO CCD Mode 2x2

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+2	5190.00000	13.5	17.3
		5230.00000	11.5	15.3
		5755.00000	17.0	20.5
		5795.00000	17.0	20.5

Maximum declared Mohawk Module Antenna gain: 2.0 dBi for UNI-1, 3.2 dBi for UNI-3

Operation Band (MHz)	Port	Freq (MHz)	Avg Power (dBm)	Max EIRP (dBm)
[5150, 5850]	1+2	5190.00000	13.5	15.5
		5230.00000	11.5	13.5
		5755.00000	17.0	20.2
		5795.00000	17.0	20.2

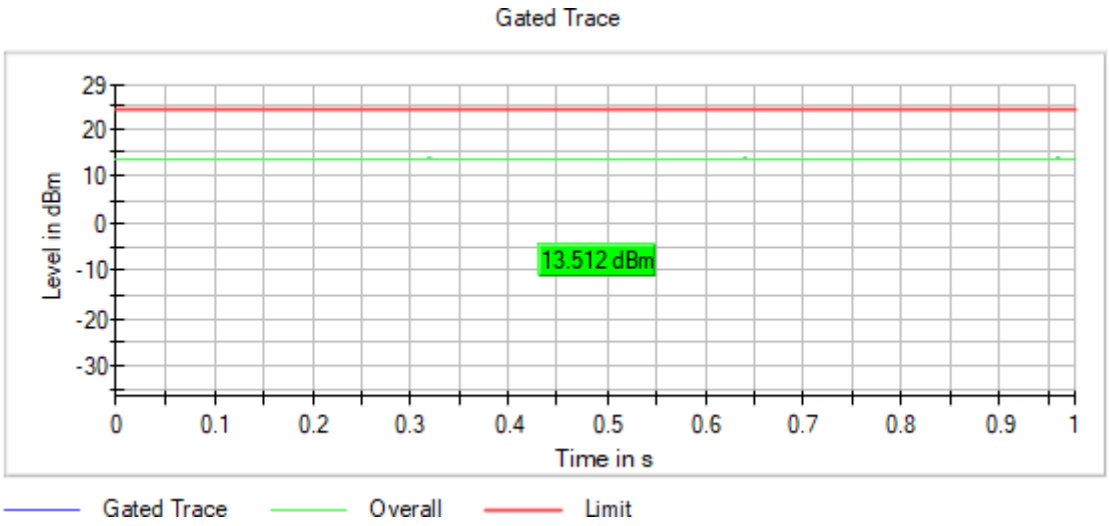
Verdict

Pass

Attachments

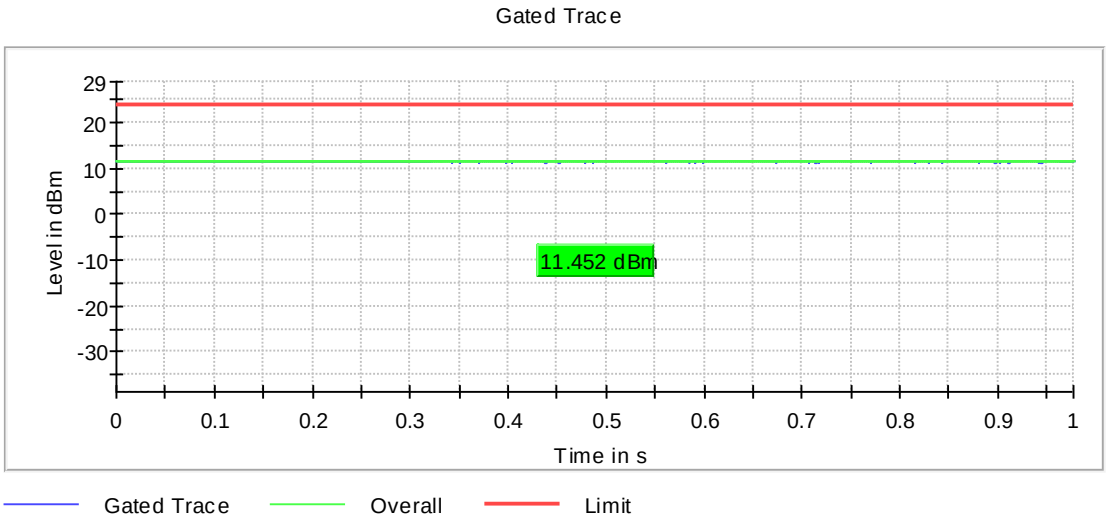
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5190.00000	Modulation = 802.11n HT40 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5230.00000	Modulation = 802.11n HT40 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

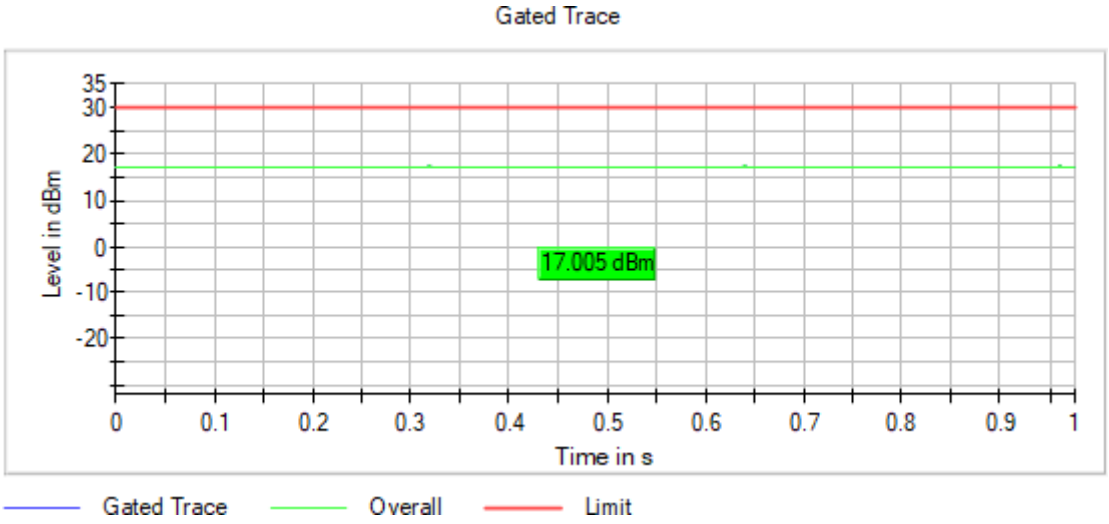


Operation Band MHz = [5150, 5850] Active Port = 1+2

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

Images:



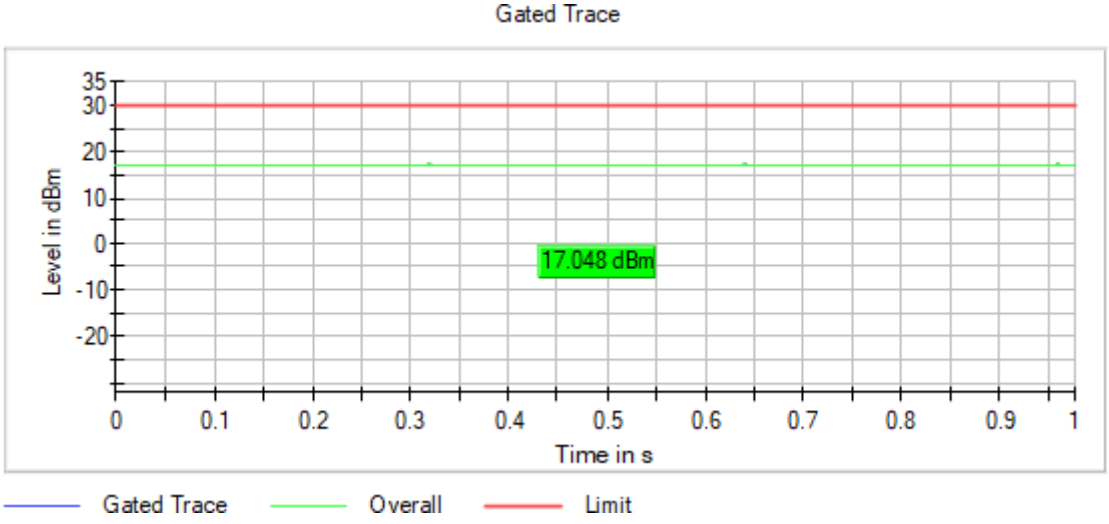
Active Port = 1+2

Operation Band MHz = [5150, 5850]

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

TPC = No MIMO Mode = MIMO CCD Mode 2x2

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: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1+2	5180.00000	5177.425743	3.40
		5200.00000	5197.425743	3.25
		5240.00000	5242.574257	3.22
		5745.00000	5747.376238	1.53
		5785.00000	5777.475248	1.33
		5825.00000	5817.475248	0.70

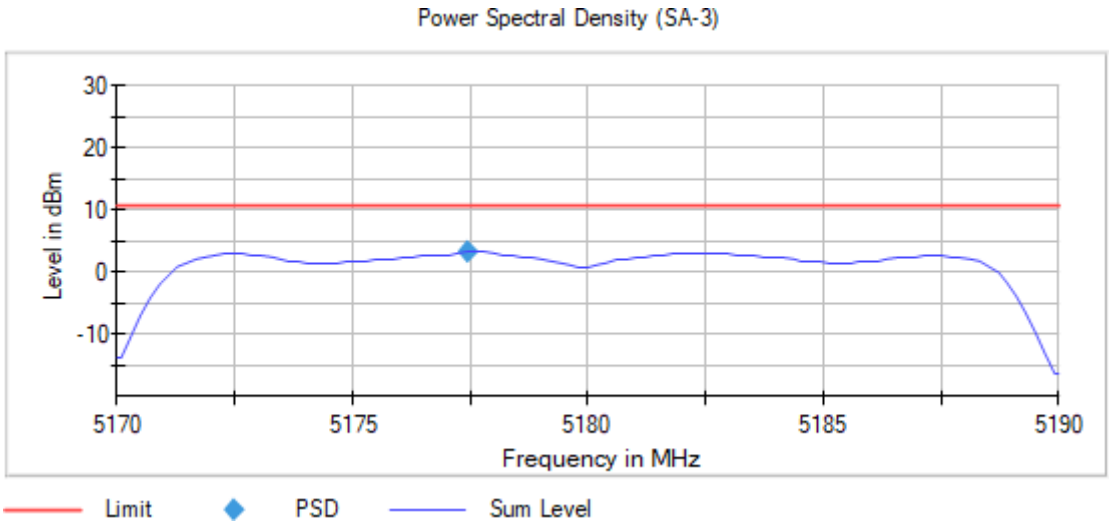
Verdict

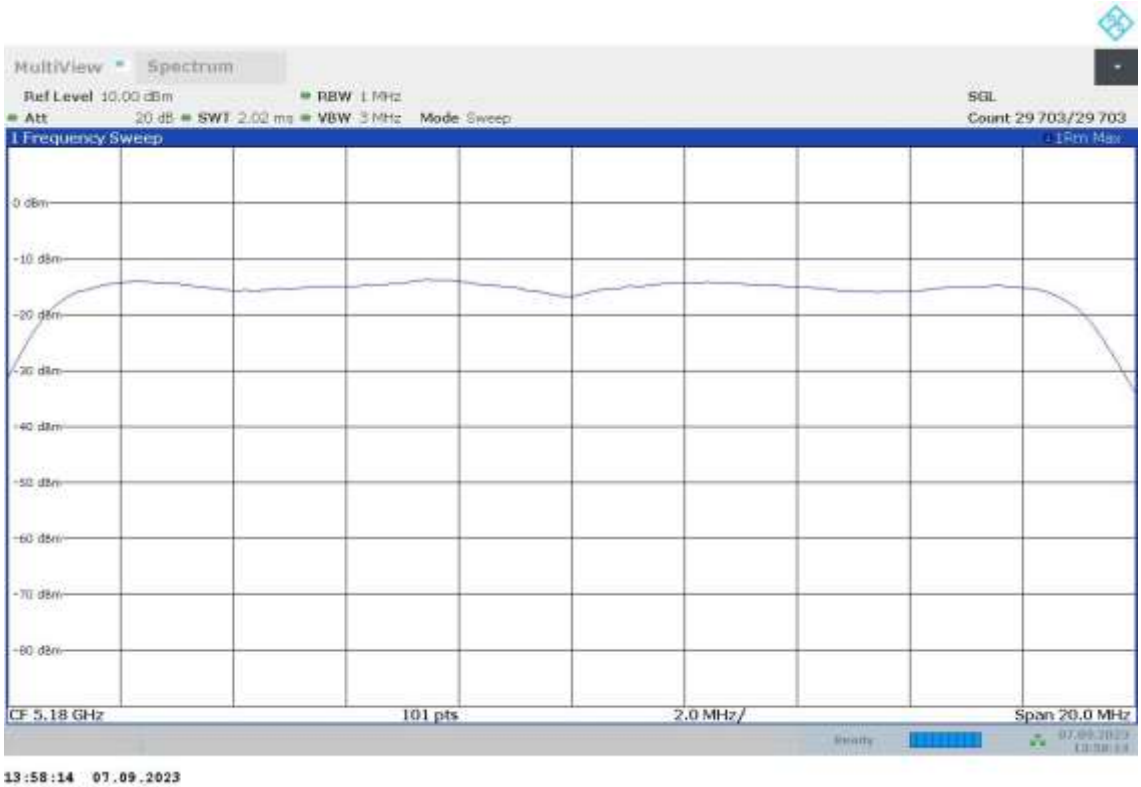
Pass

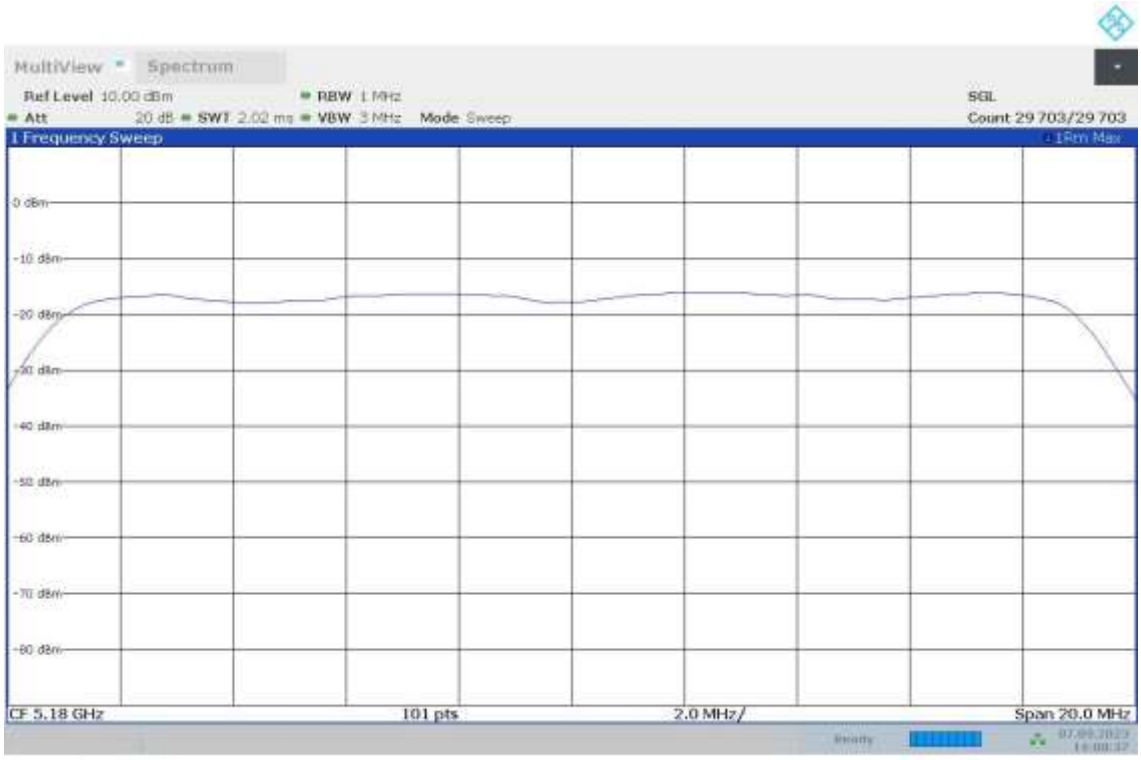
Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5180.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



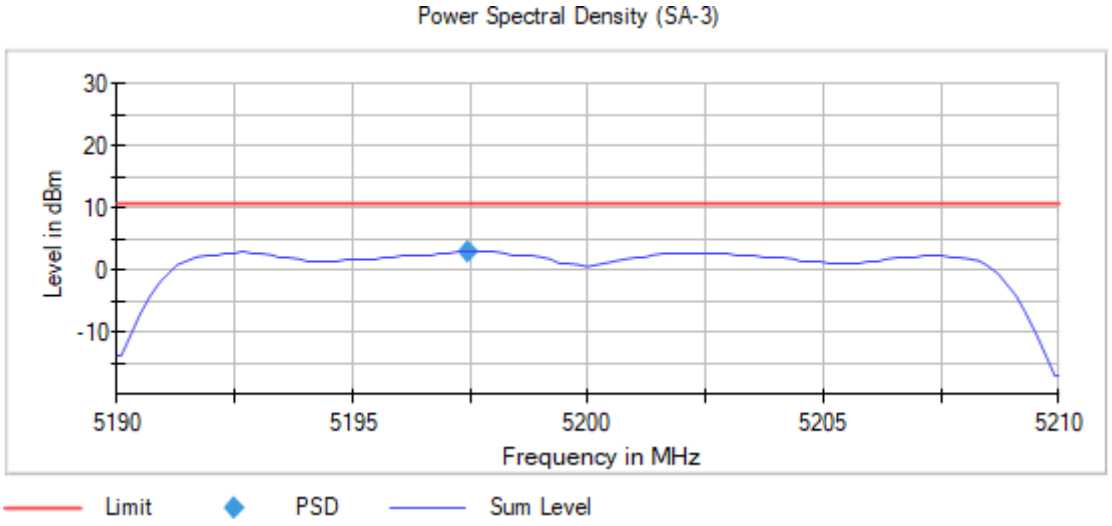


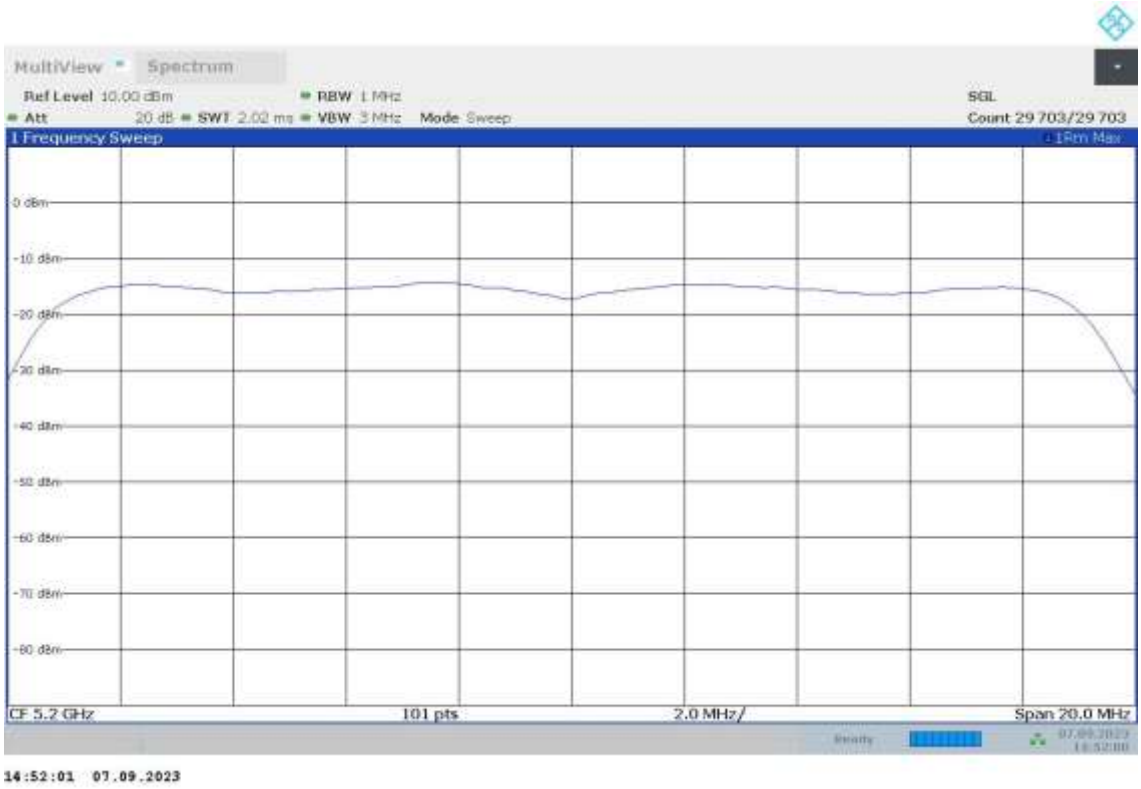


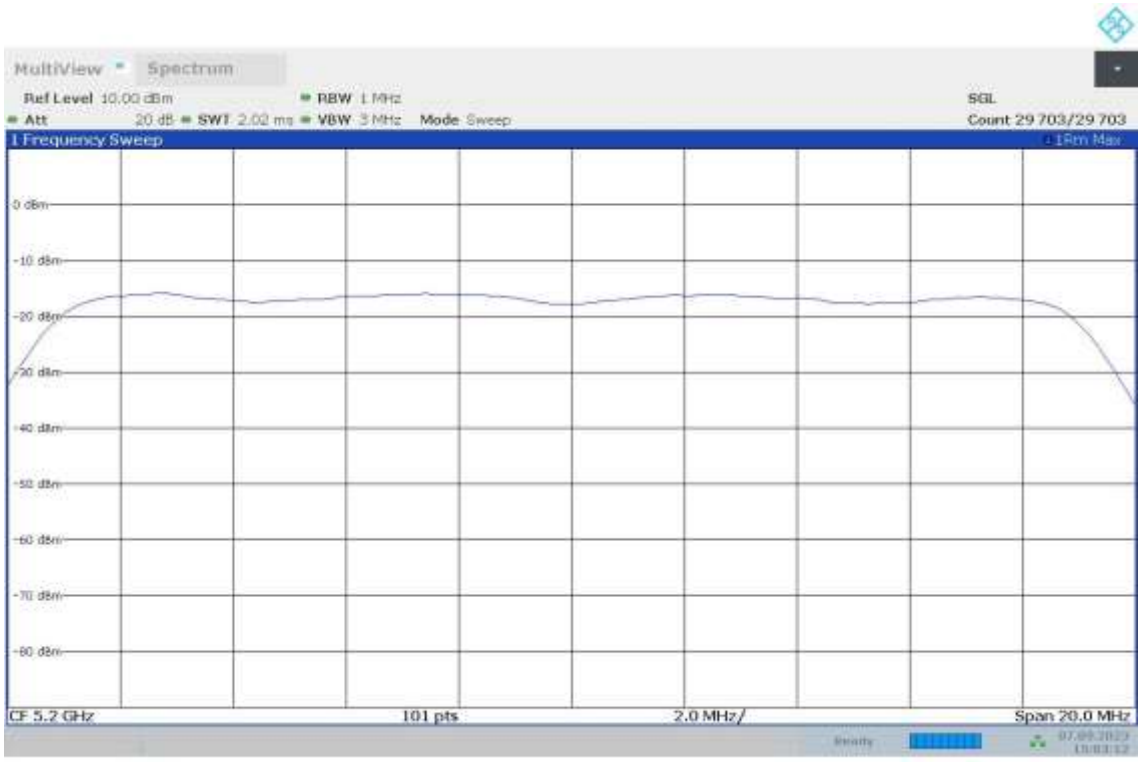
14:08:37 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5200.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



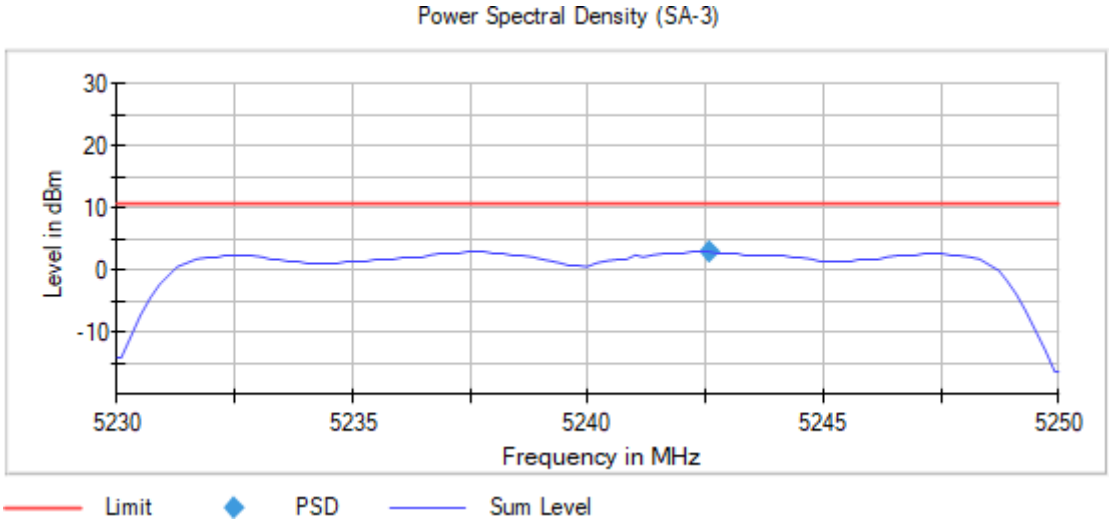


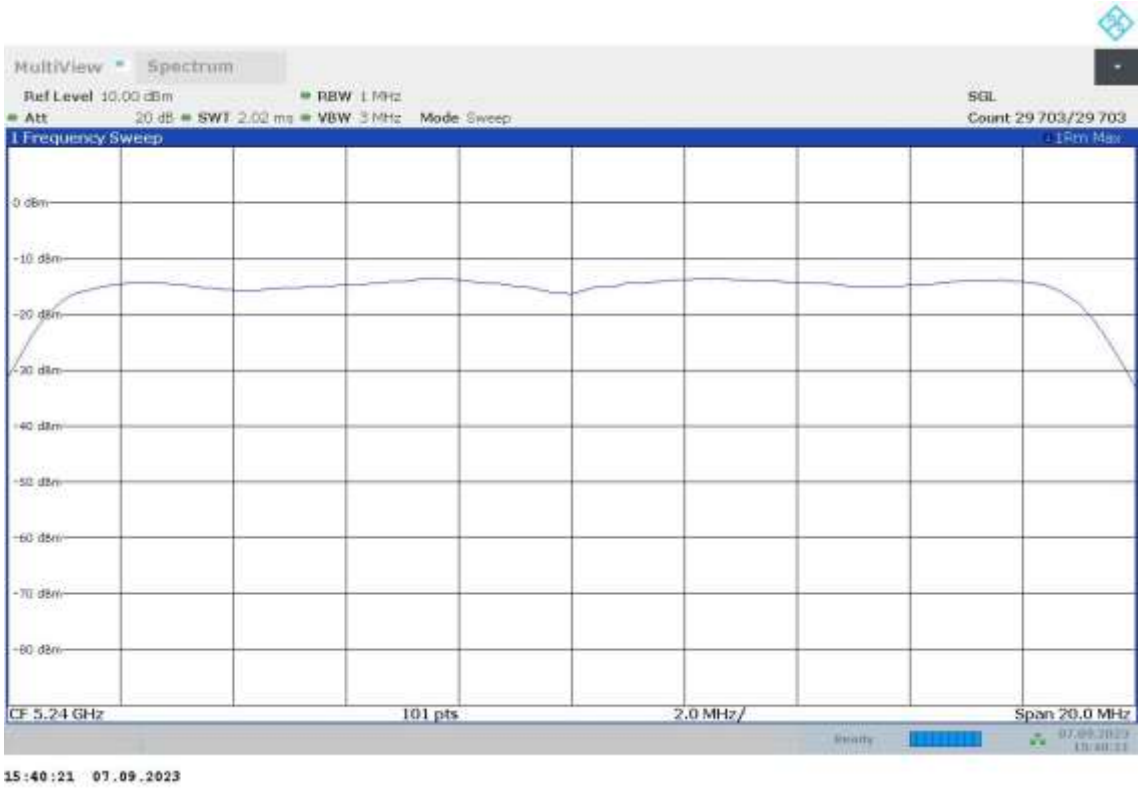


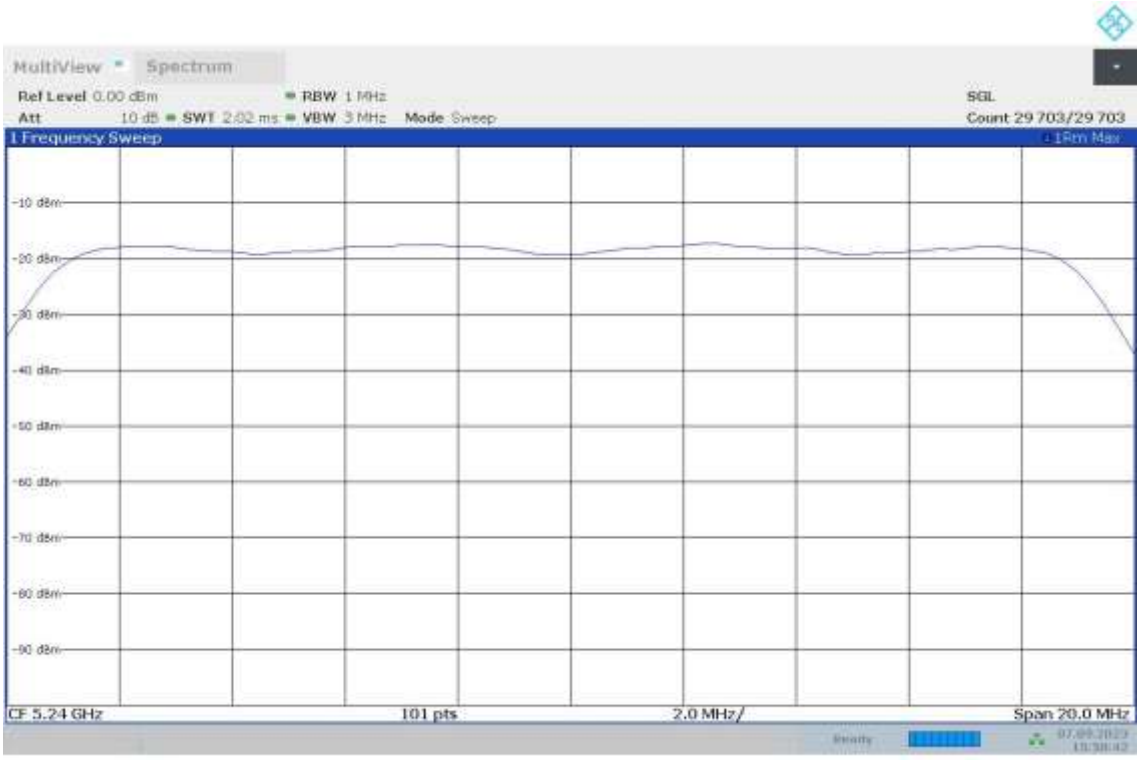
15:03:12 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5240.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



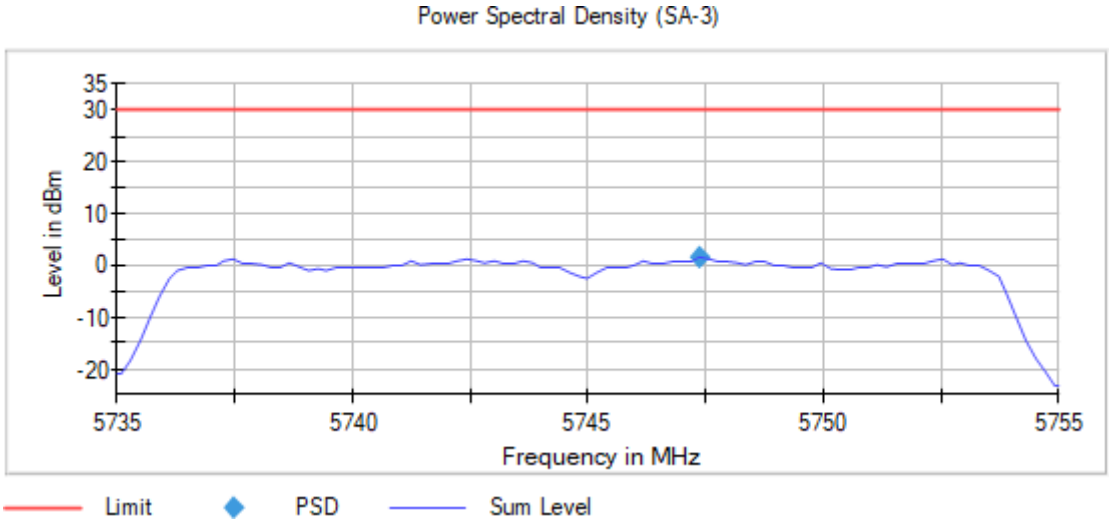


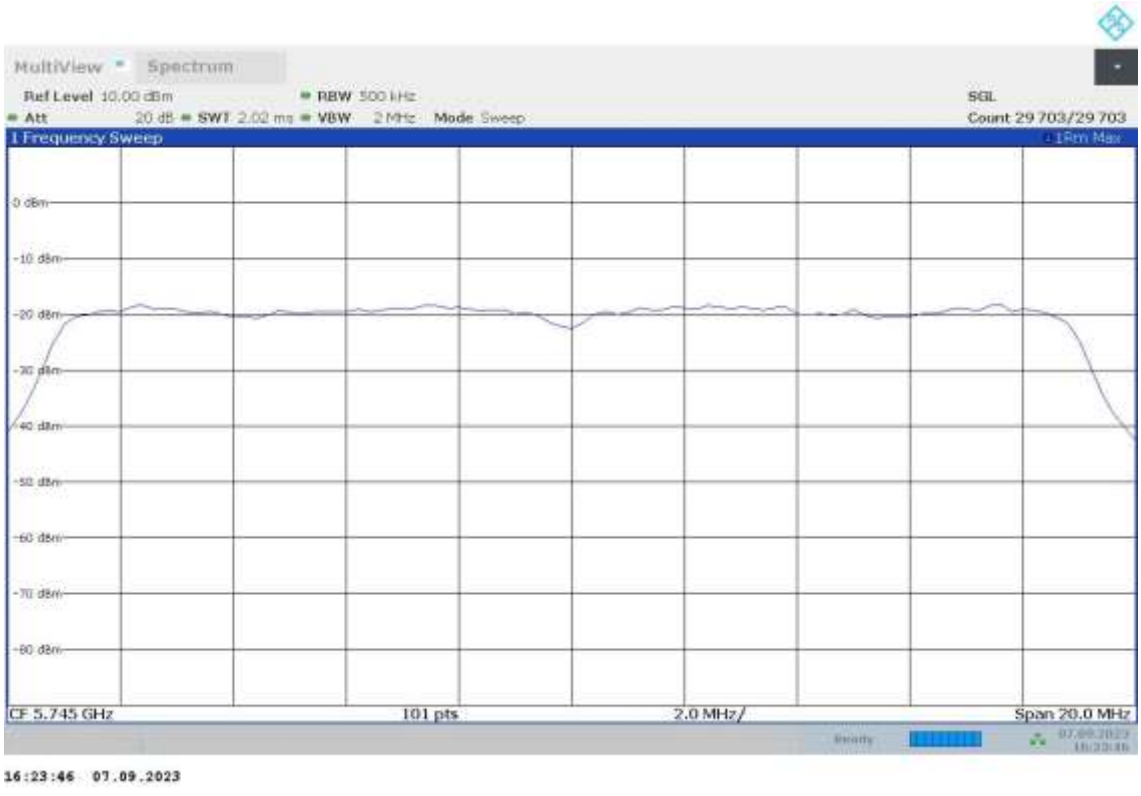


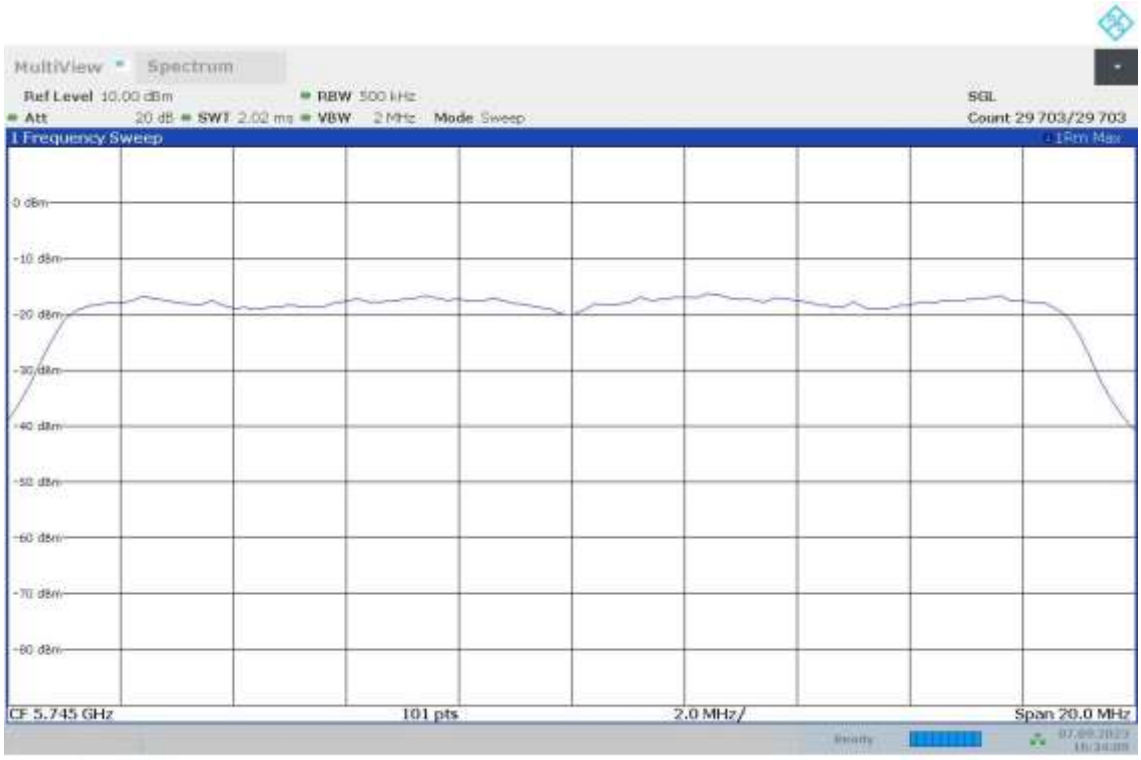
15:50:43 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5745.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



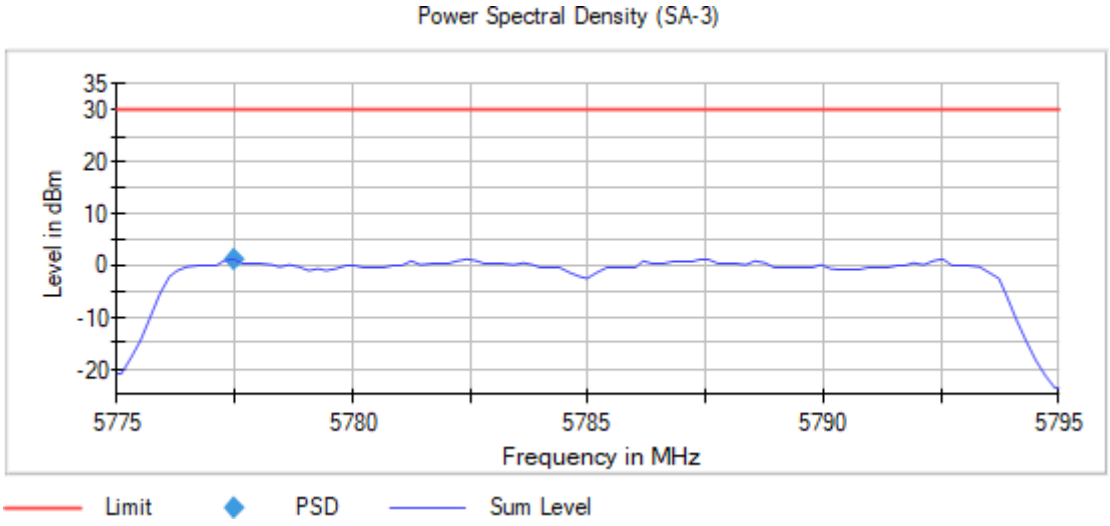


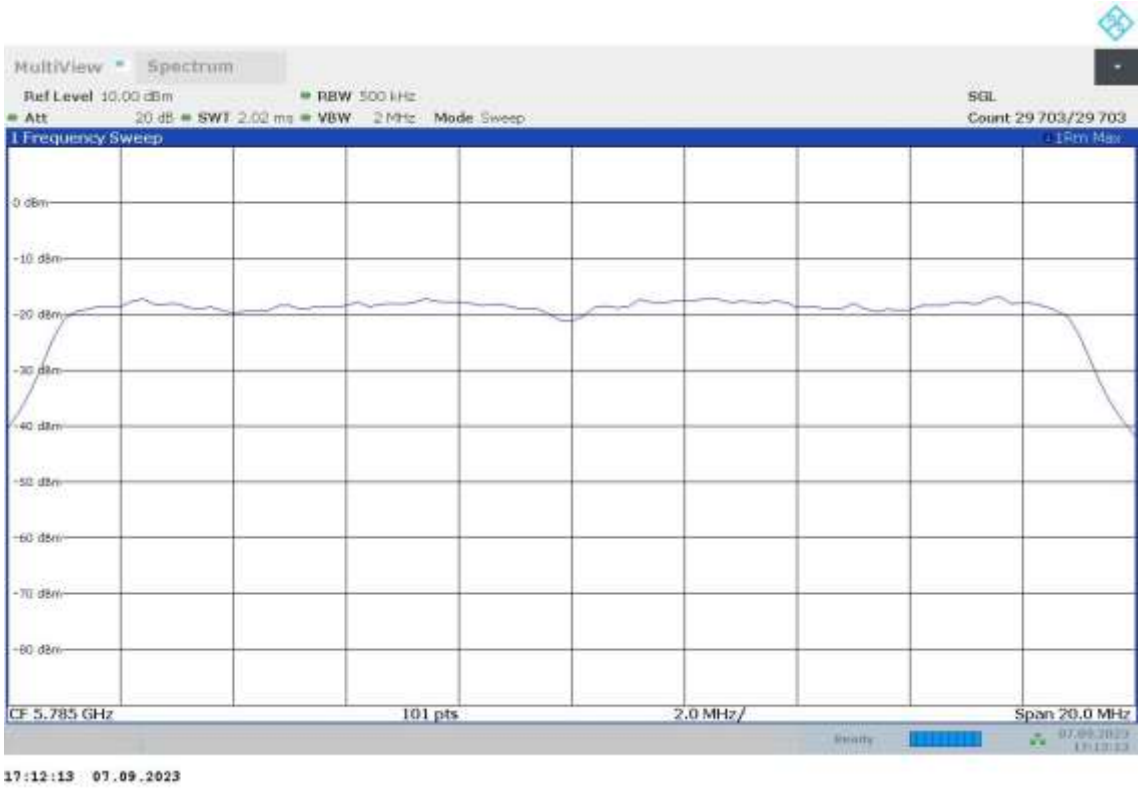


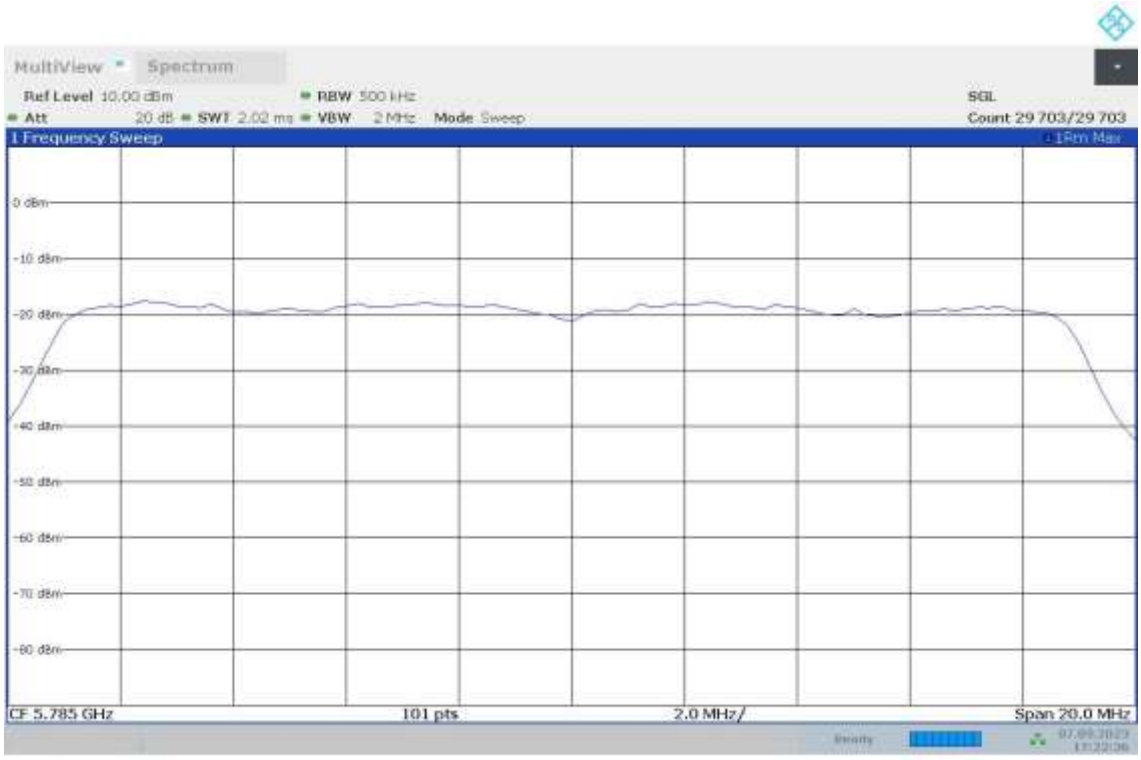
16:34:09 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5785.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



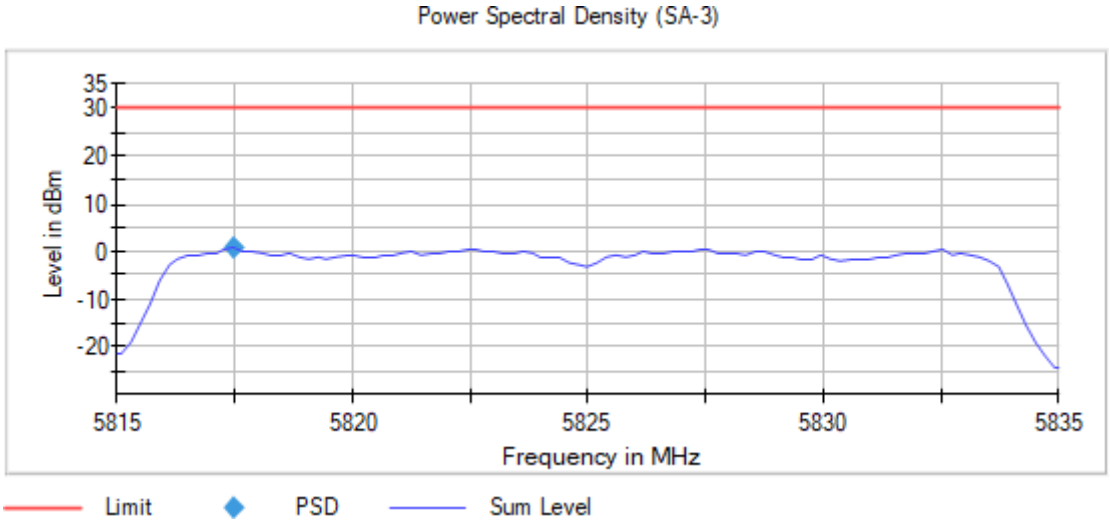


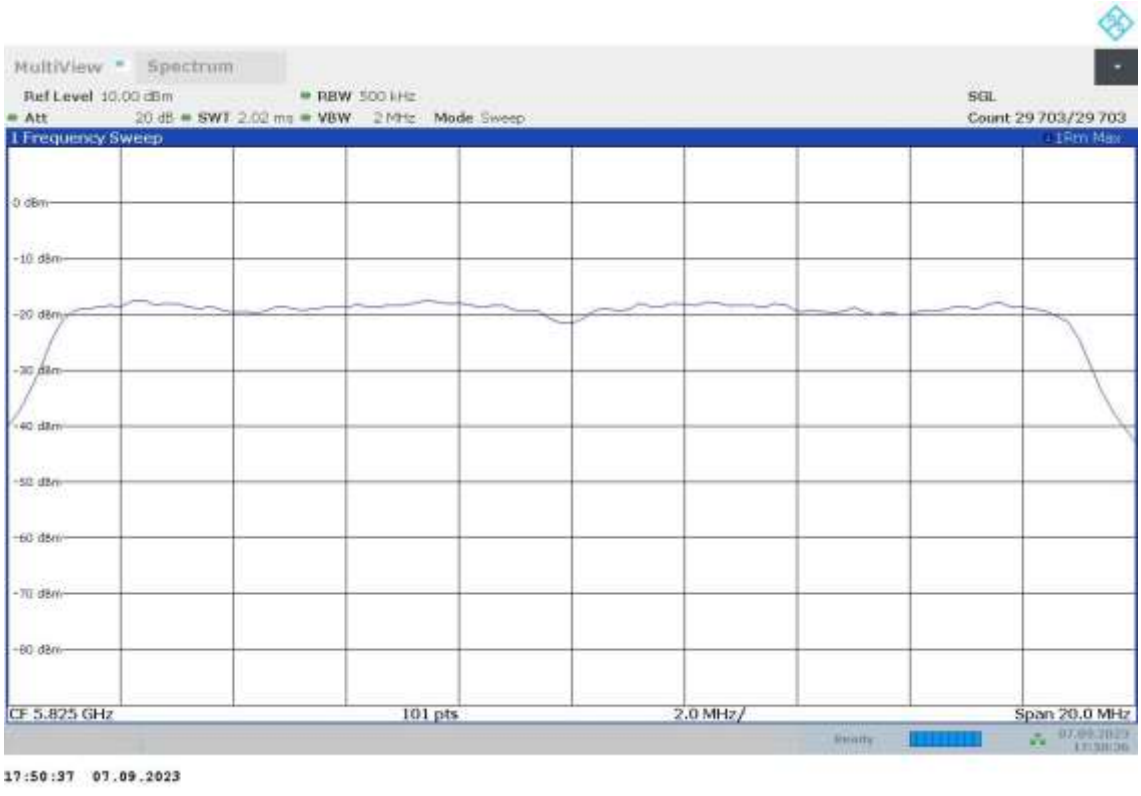


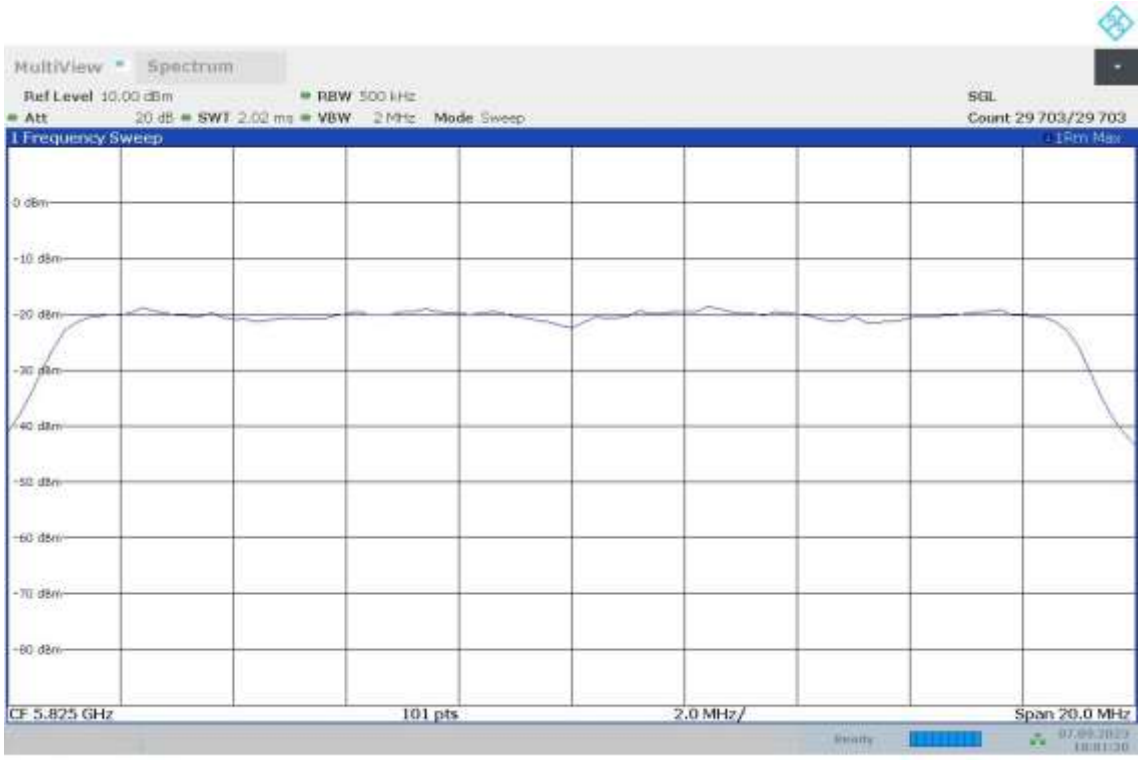
17:22:36 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5825.00000	Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:







18:01:21 07.09.2023

Modulation: 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Freq (MHz)	PSD (dBm)
[5150, 5850]	1+2	5180.00000	5182.376238	3.41
		5200.00000	5201.980198	3.73
		5240.00000	5237.425743	2.26
		5745.00000	5737.475248	3.24
		5785.00000	5786.980198	3.52
		5825.00000	5817.475248	3.13

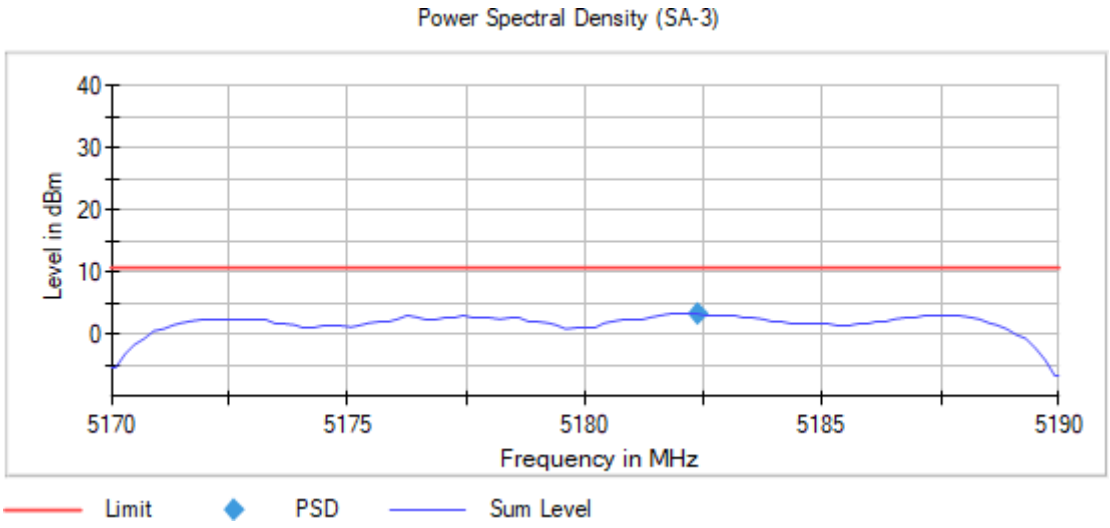
Verdict

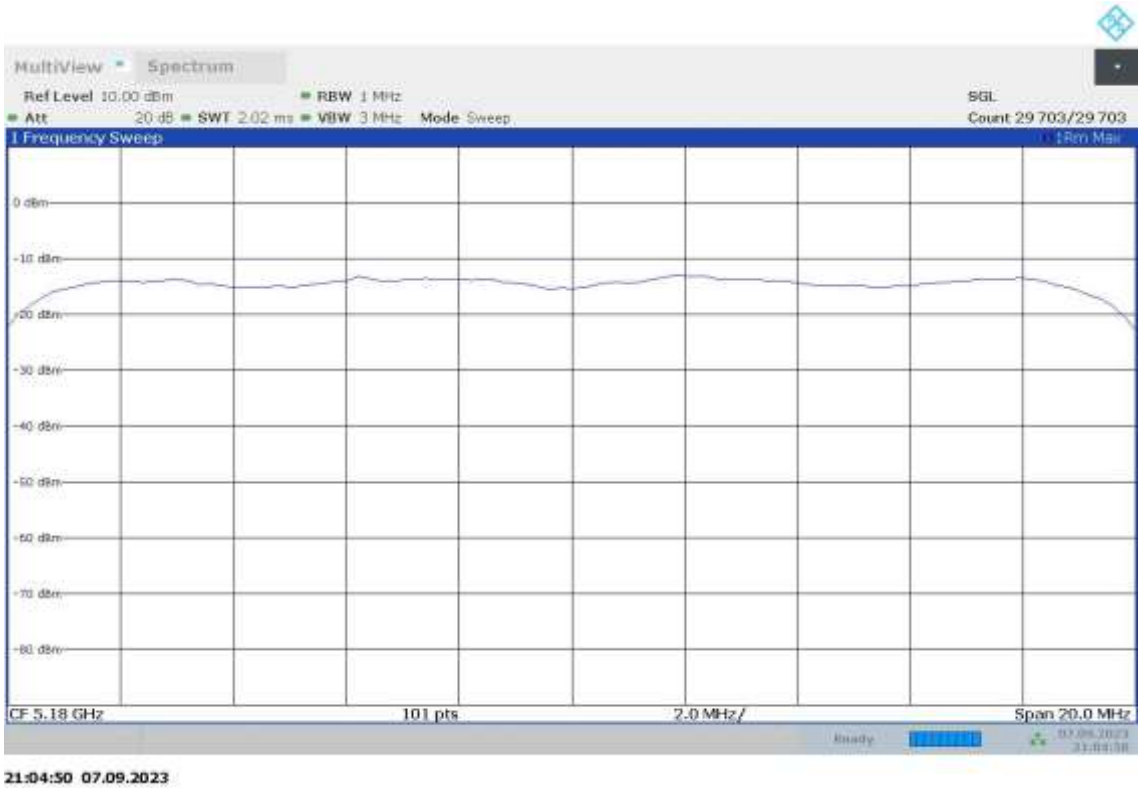
Pass

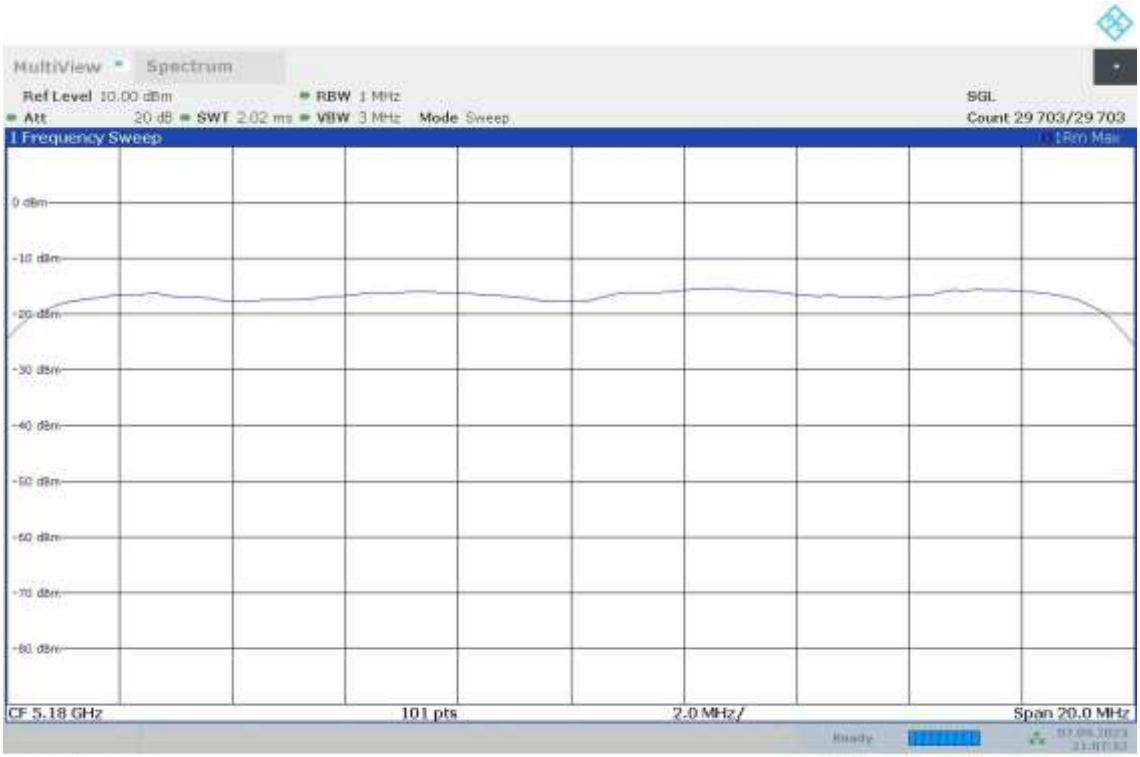
Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5180.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



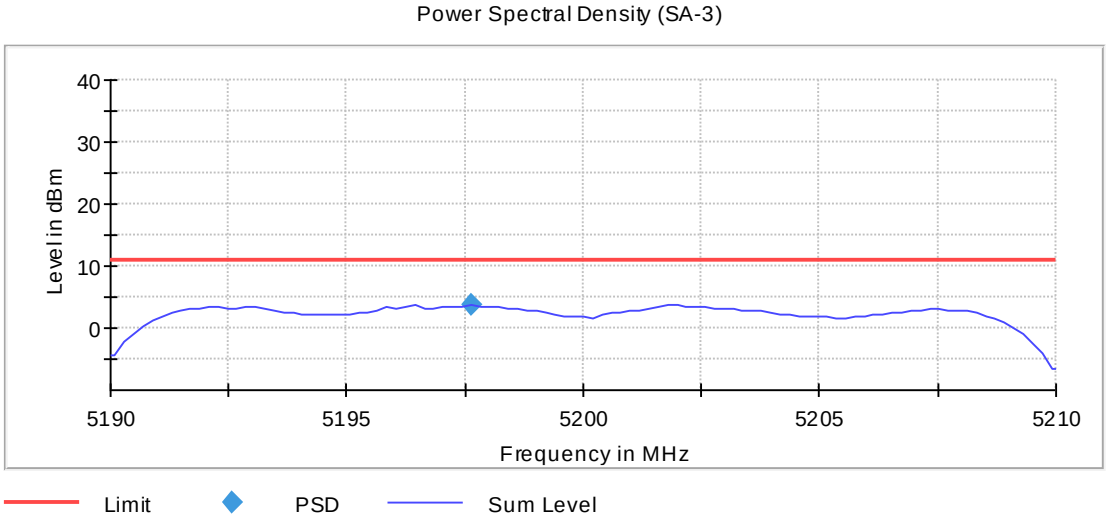


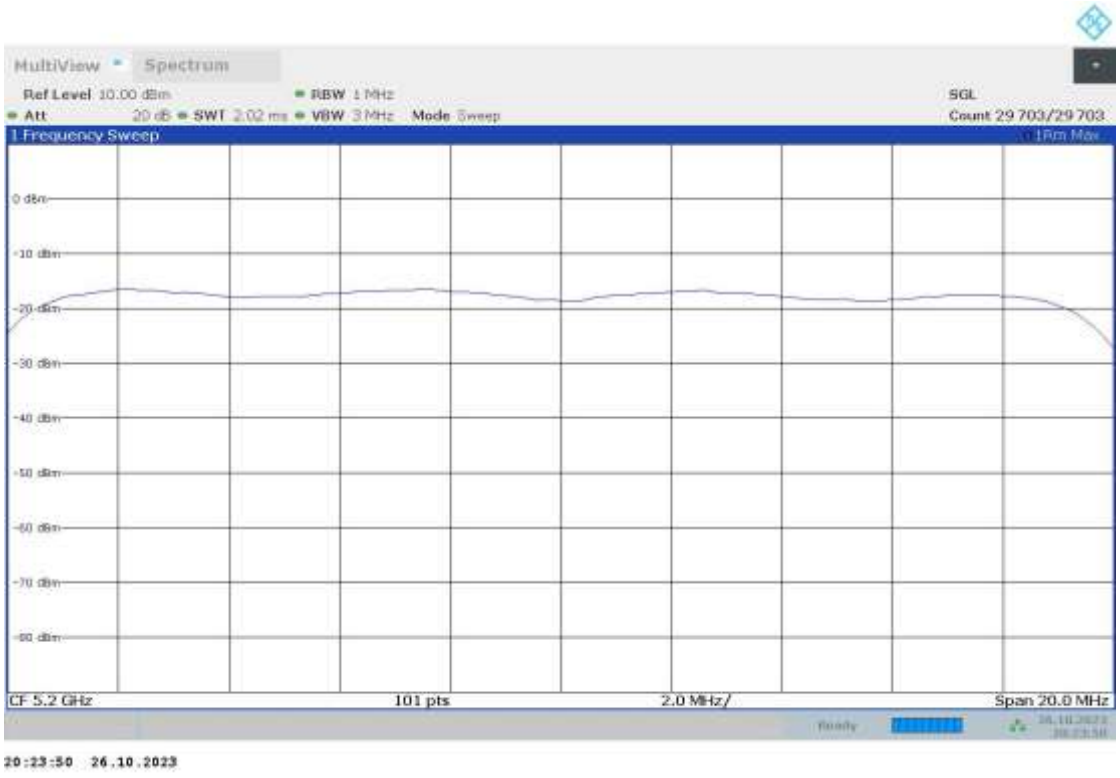


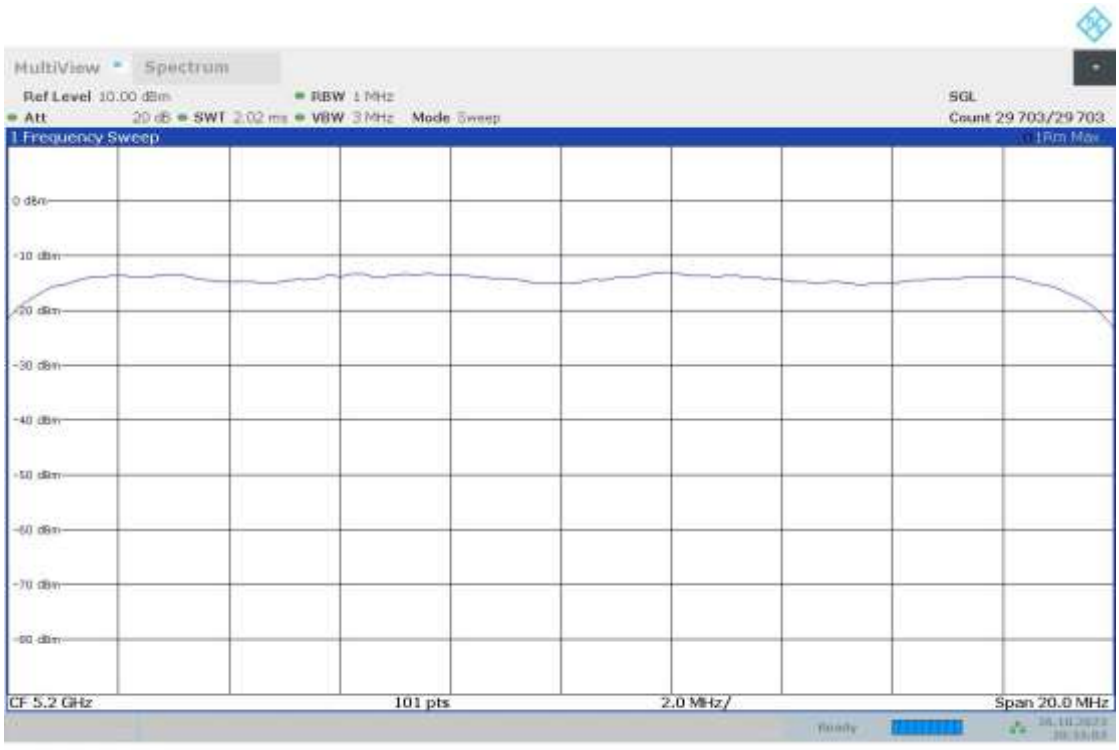
21:07:52 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5200.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

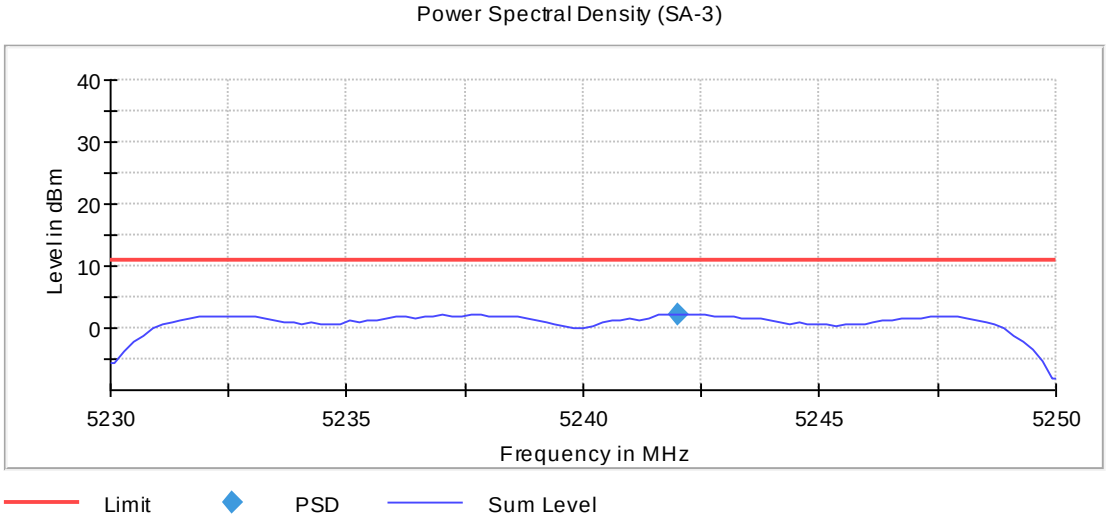


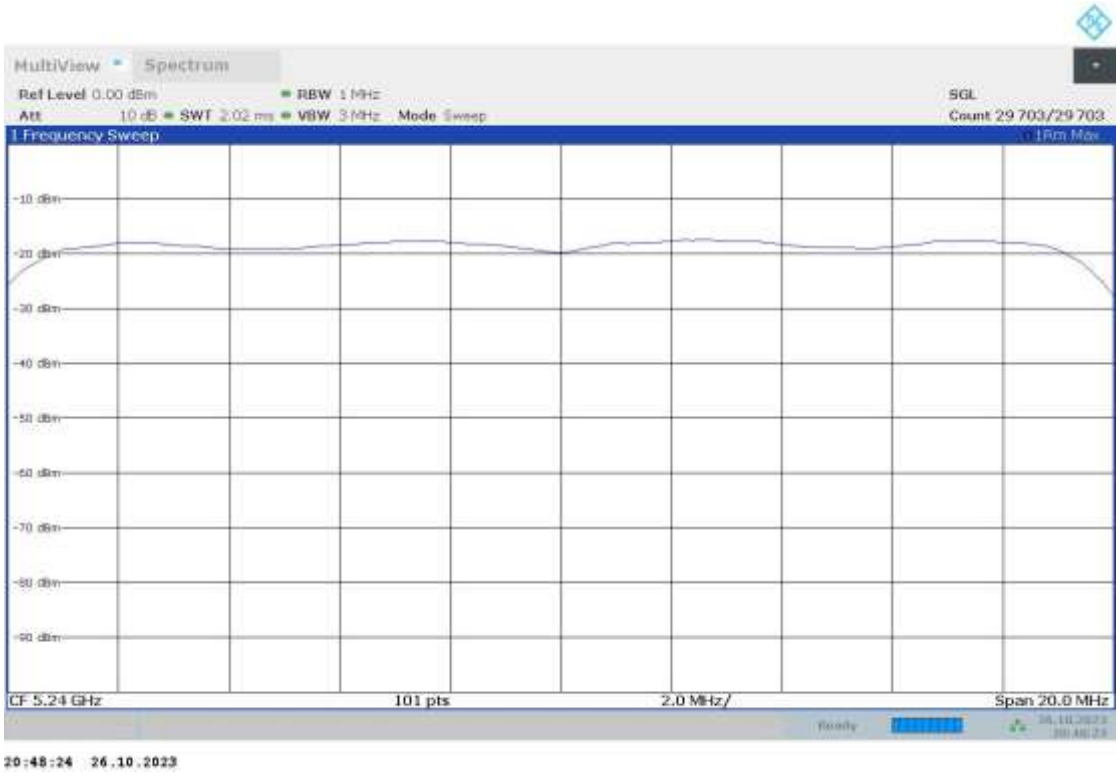


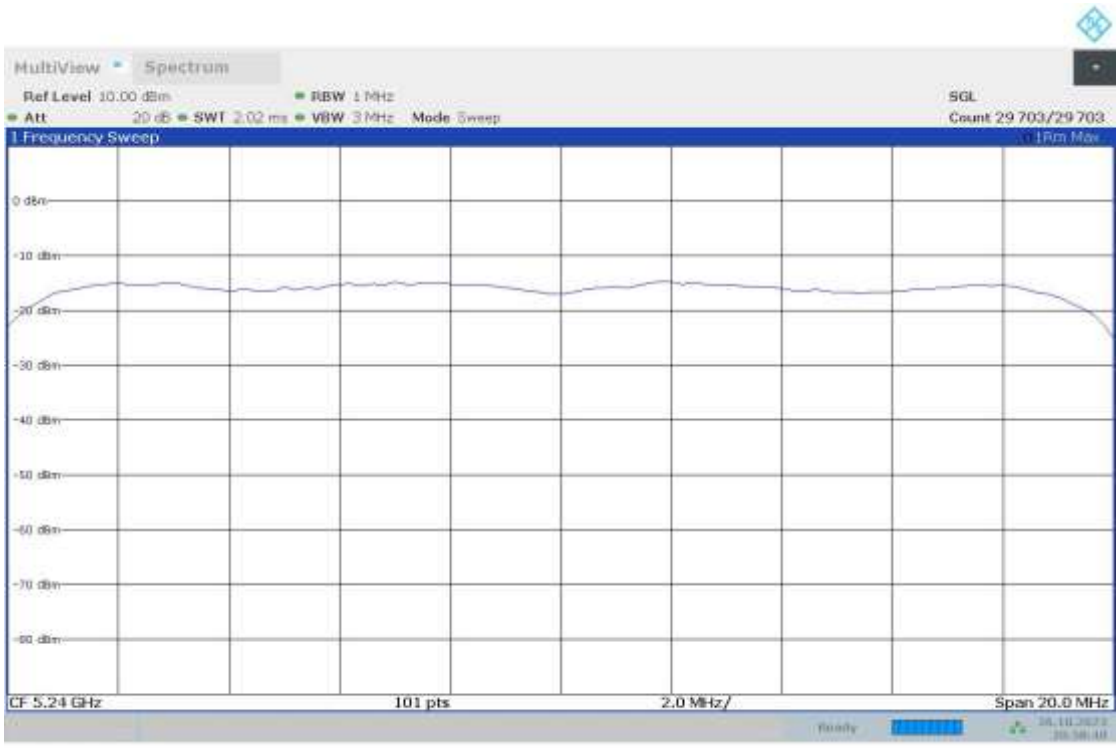

MultiView
Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
SGL
Att 20 dB SWT 2.02 ms VBW 3 MHz Mode Sweep
Count 29 703/29 703
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.2 GHz
101 pts
2.0 MHz/
Span 20.0 MHz
Ready
20:35:04 26.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5240.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

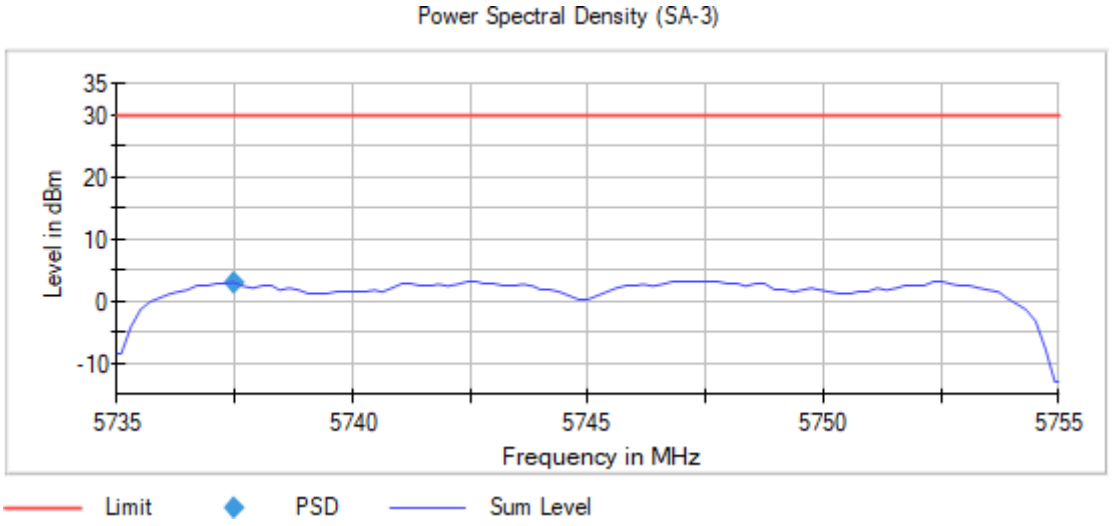


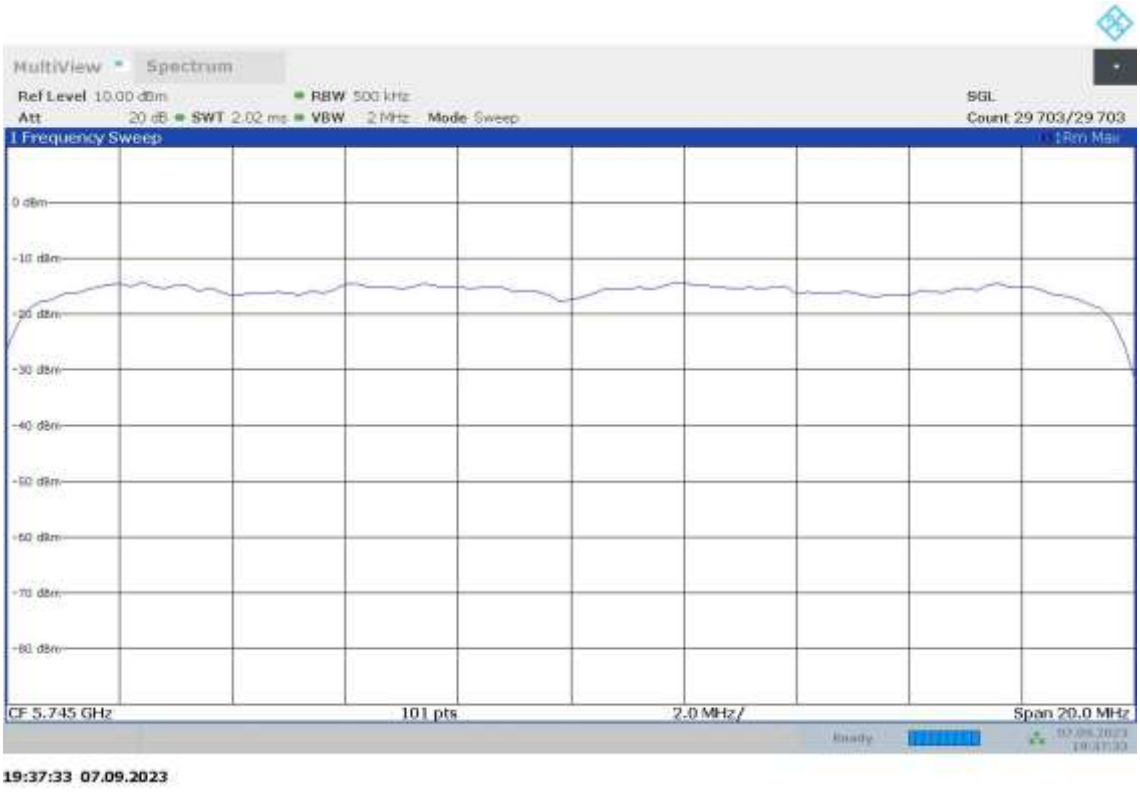


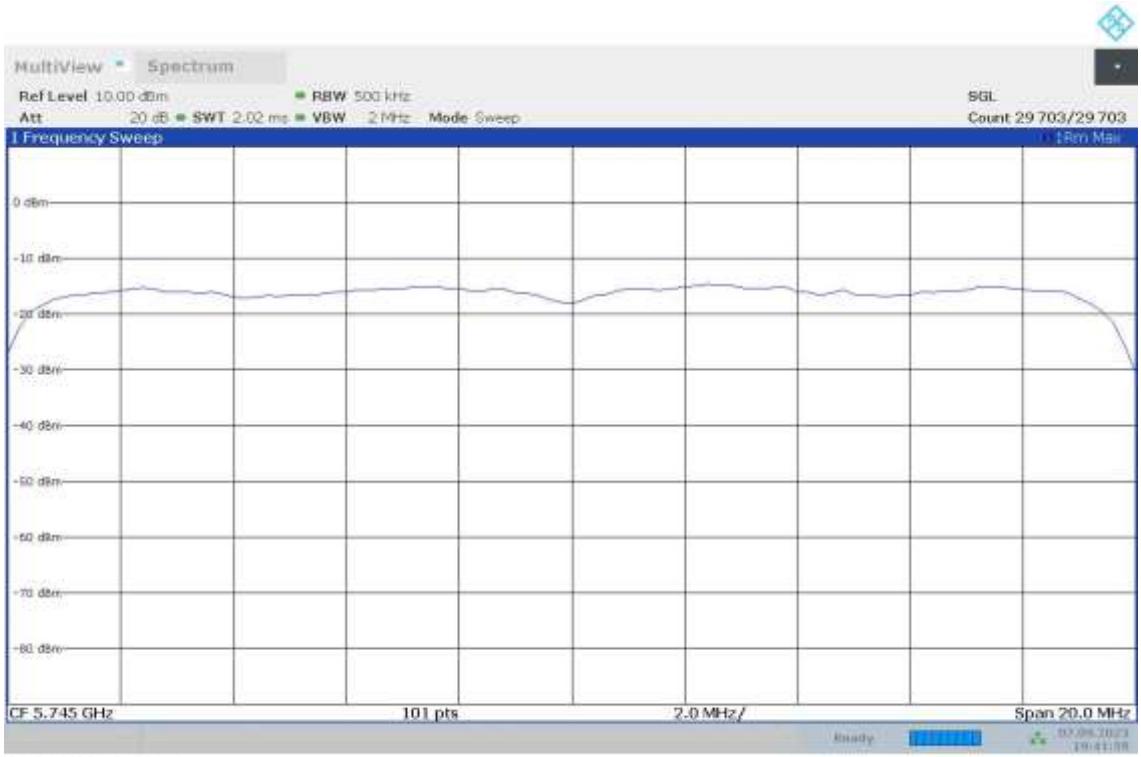

MultiView
Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
SGL
Att 20 dB SWT 2.02 ms VBW 3 MHz Mode Sweep
Count 29 703/29 703
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.24 GHz
101 pts
2.0 MHz/
Span 20.0 MHz
Ready
20:58:49 26.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5745.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



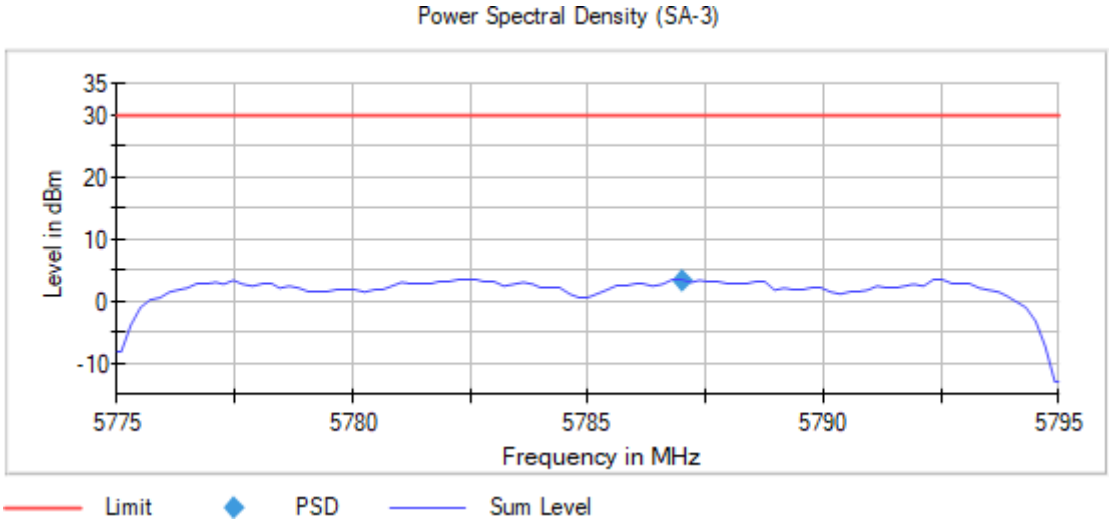


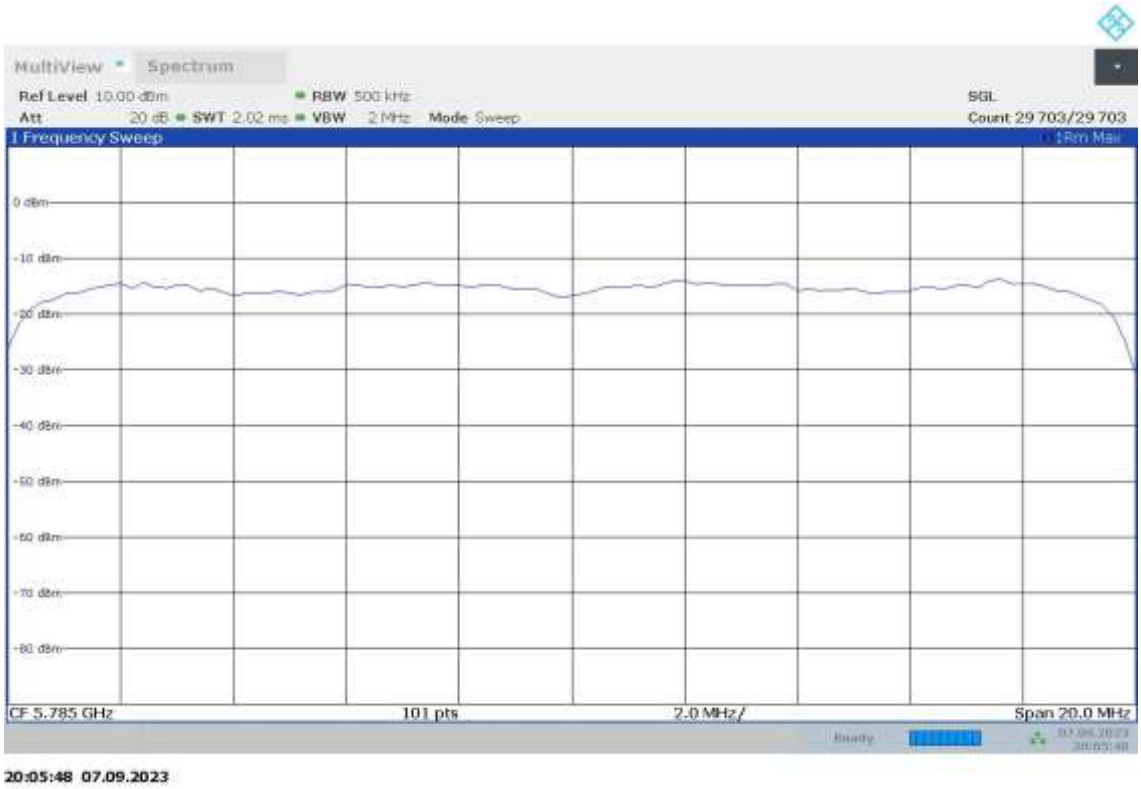


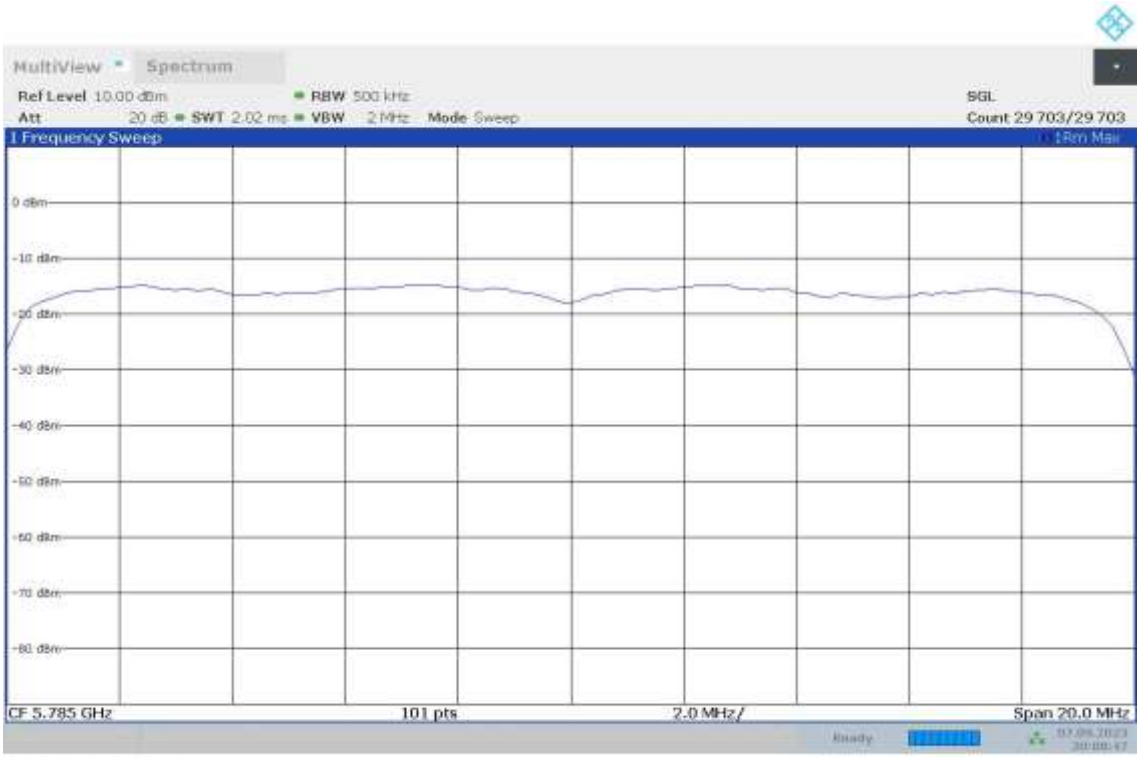
19:41:59 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5785.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



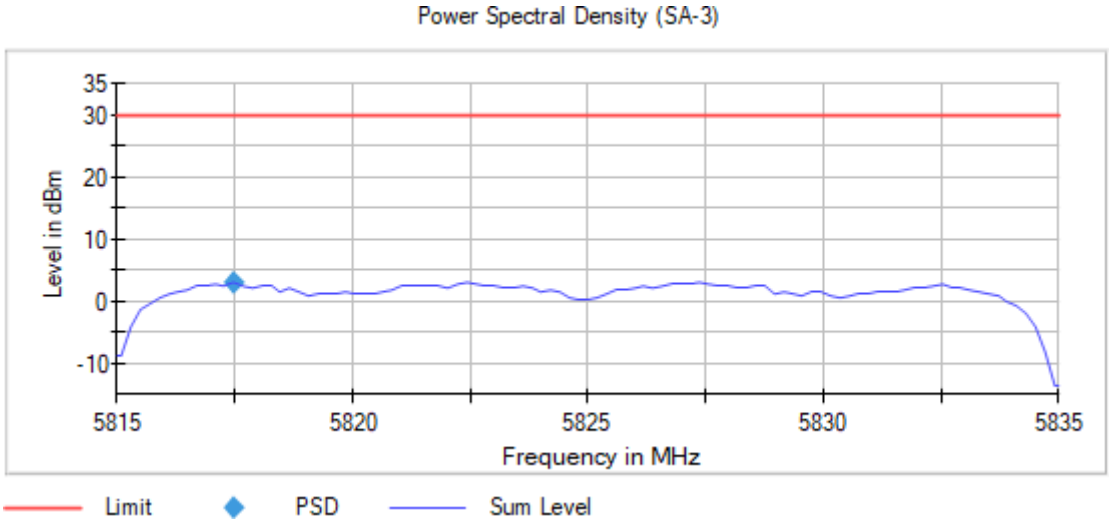


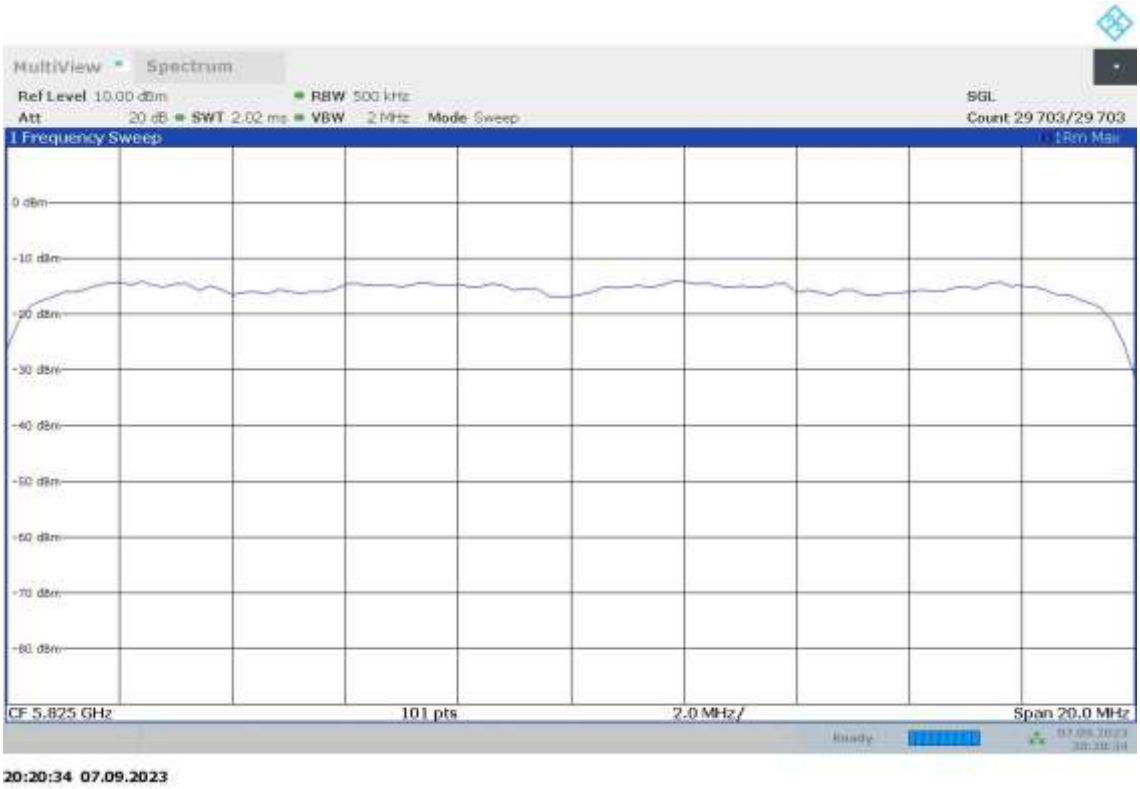


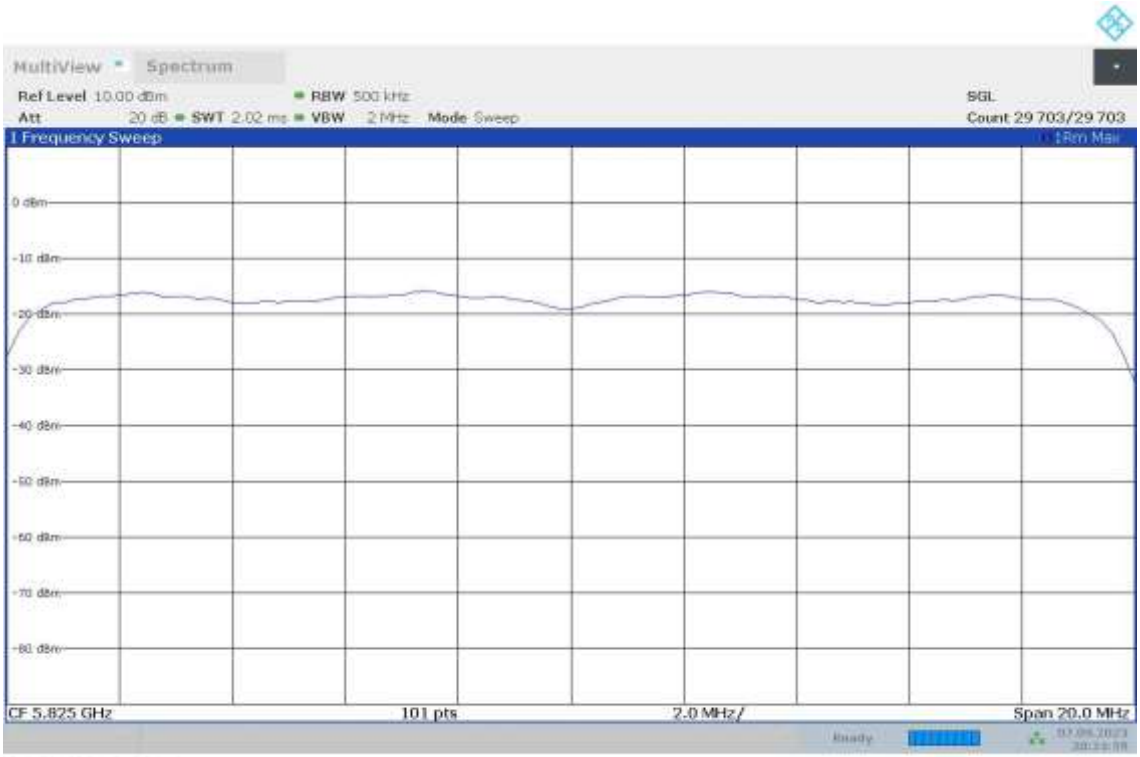
20:08:47 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5825.00000	Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:







20:25:00 07.09.2023

Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1+2	5190.00000	5183.663366	0.32
		5230.00000	5223.663366	-0.76
		5755.00000	5769.875000	1.17
		5795.00000	5789.875000	1.56

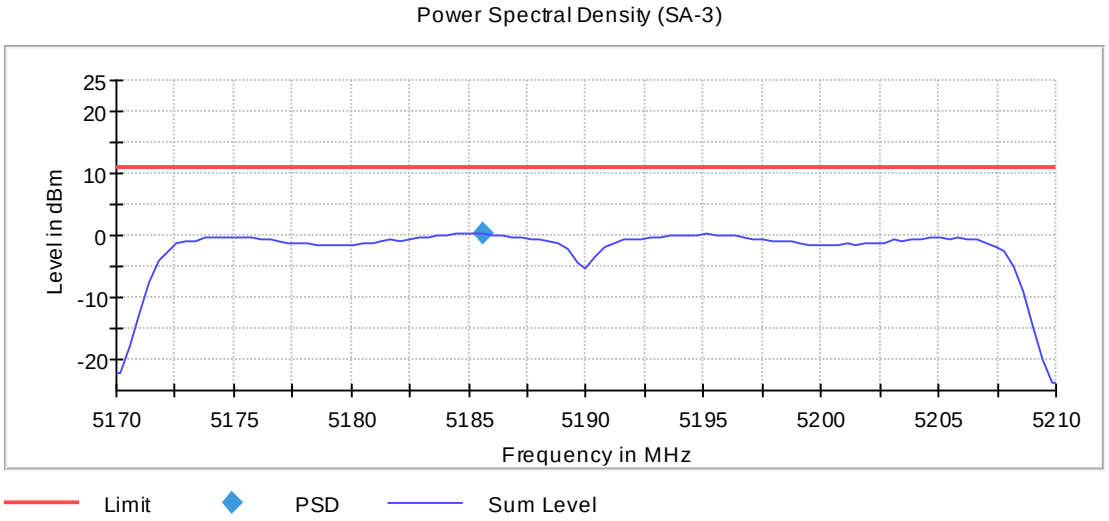
Verdict

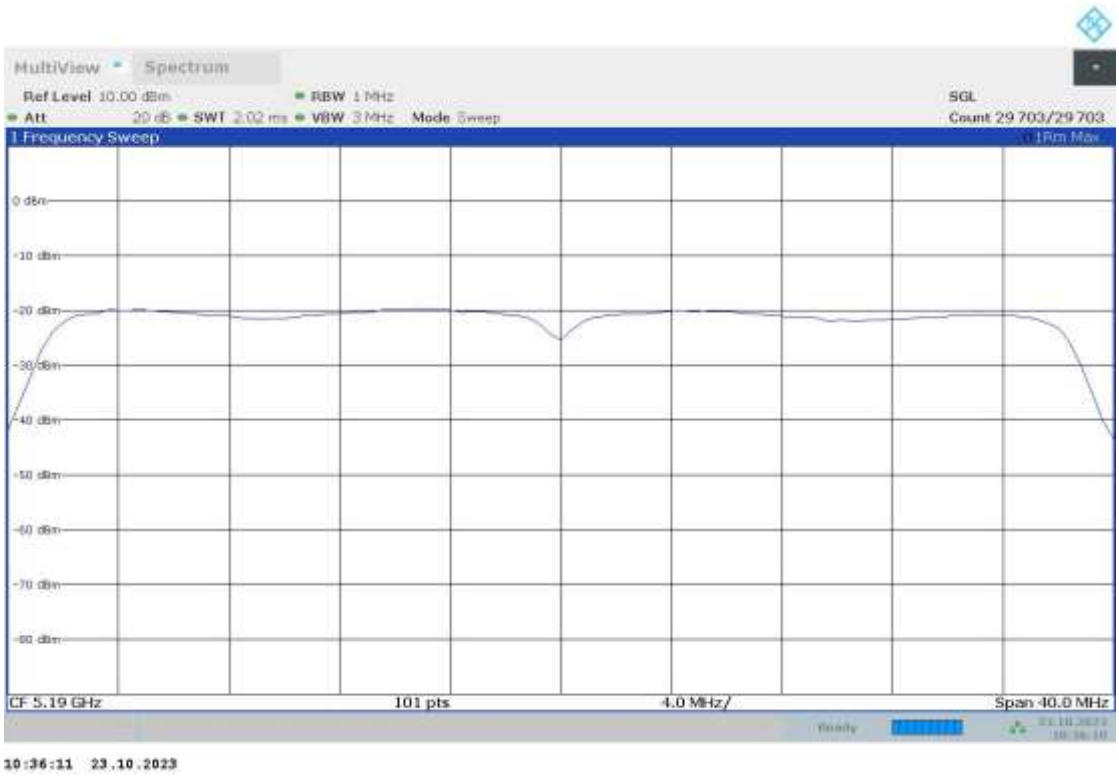
Pass

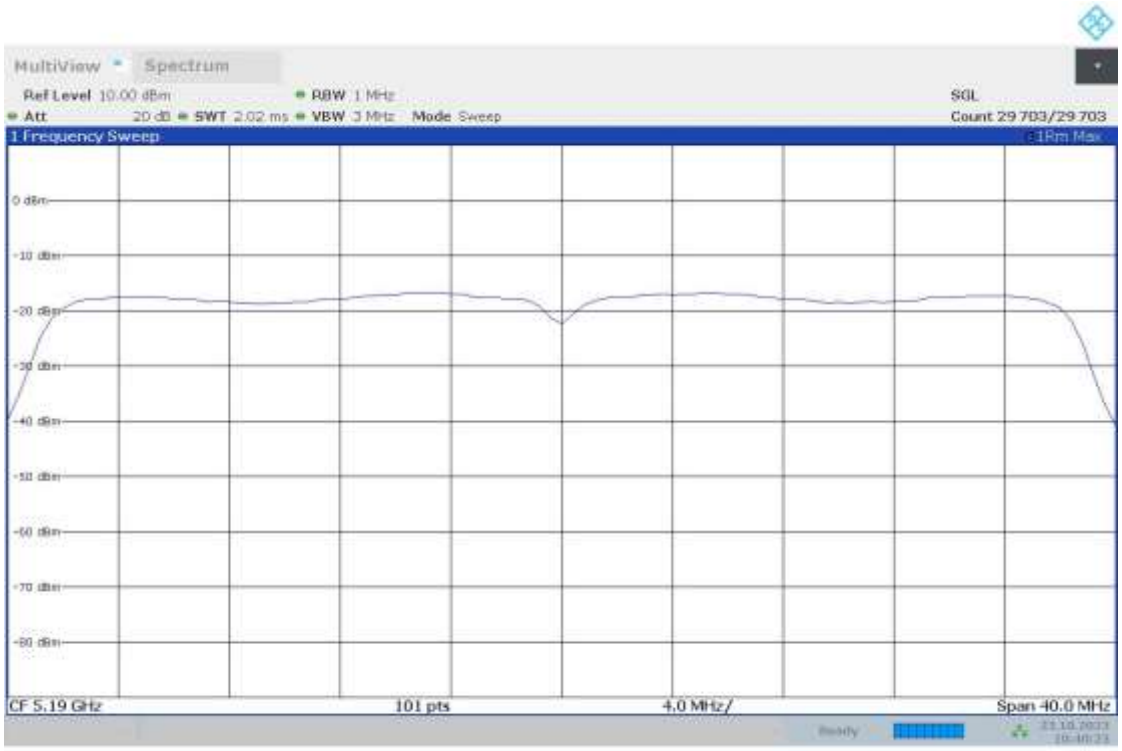
Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5190.00000	Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

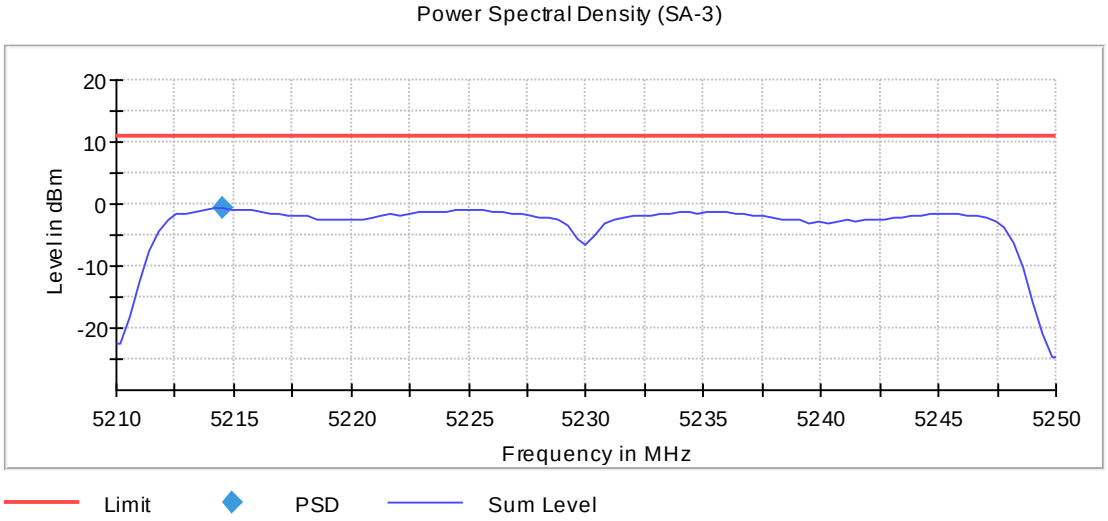


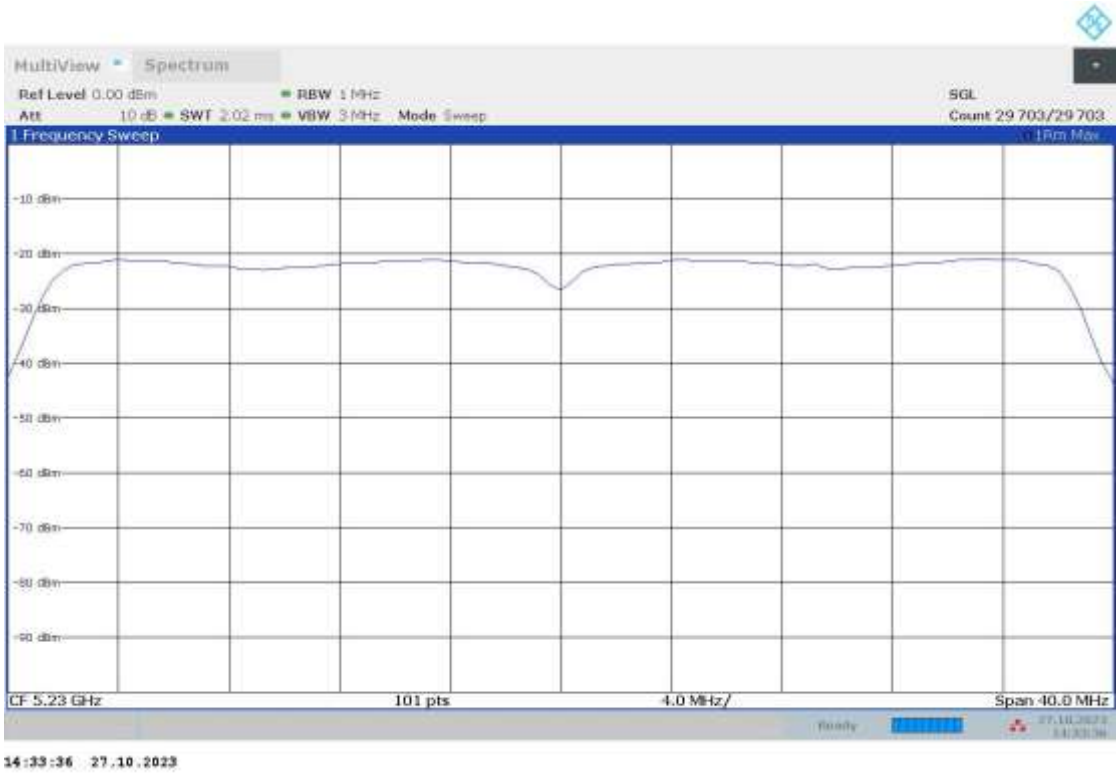


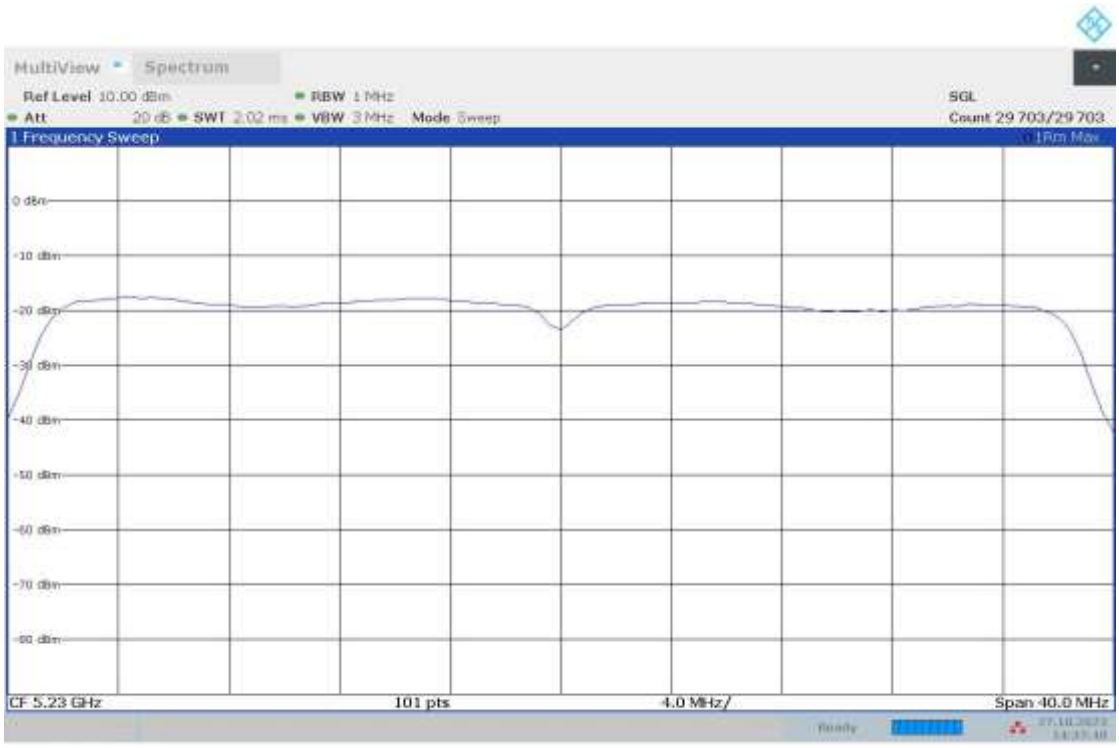

MultiView
Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
SGL
Att 20 dB SWT 2.02 ms VBW 3 MHz Mode Sweep
Count 29 703/29 703
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.19 GHz
101 pts
4.0 MHz/
Span 40.0 MHz
Ready
10:40:23 23.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5230.00000	Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

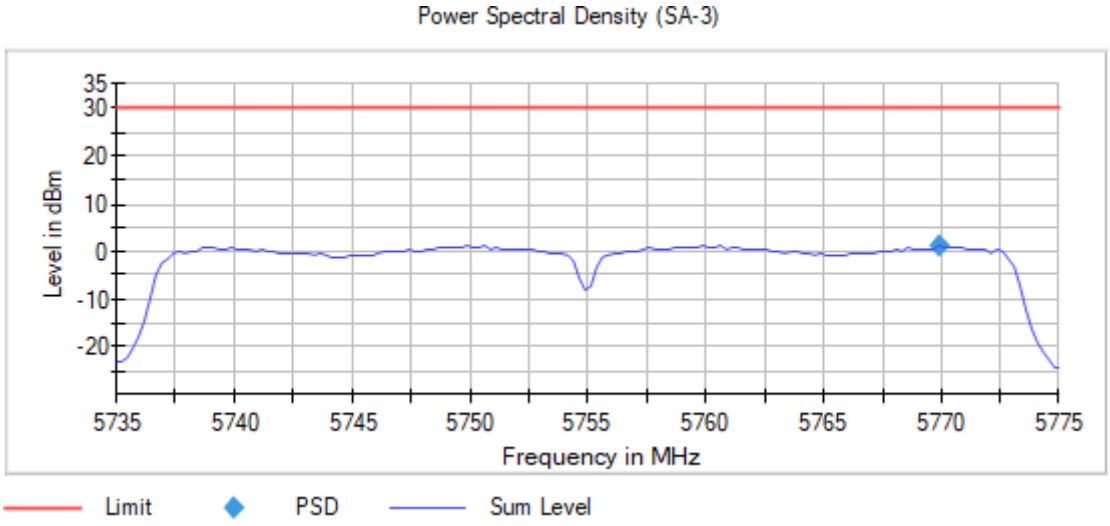


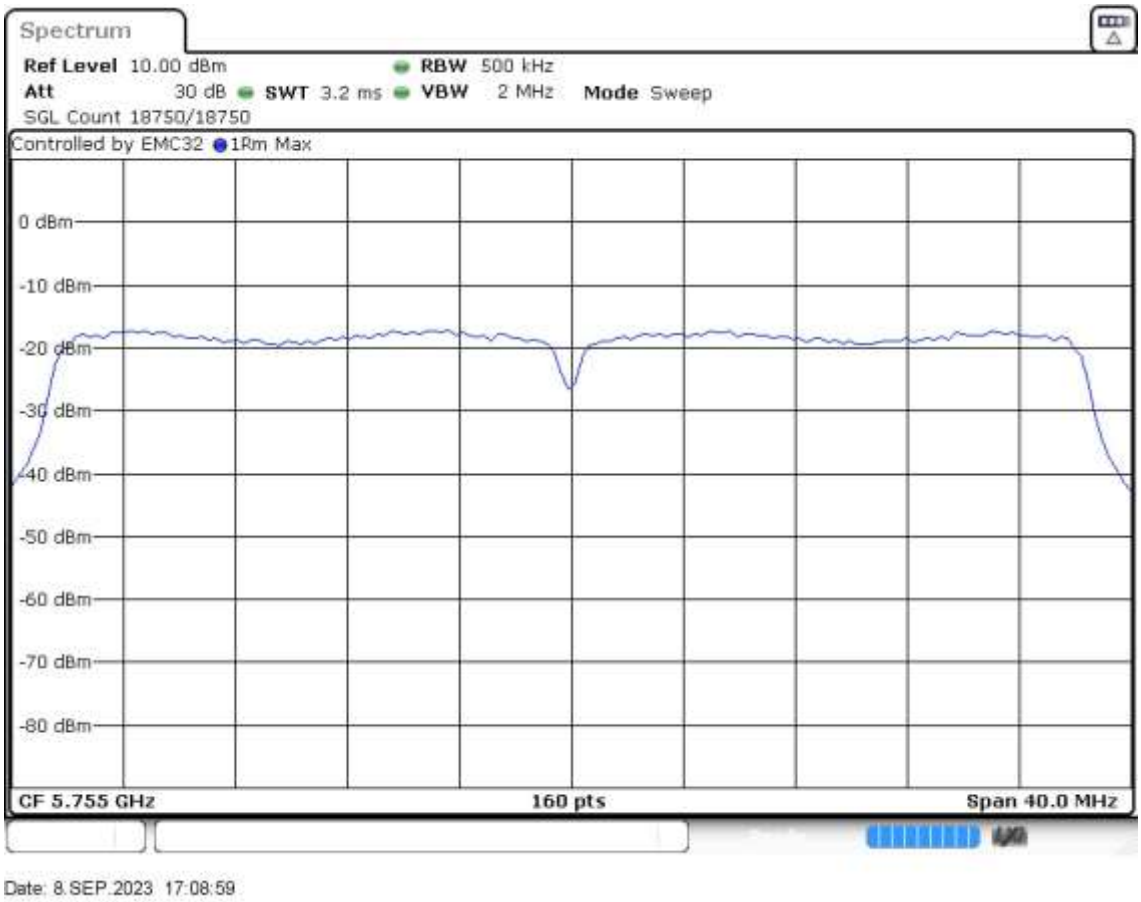



MultiView
Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
SGL
Att 20 dB SWT 2.02 ms VBW 3 MHz Mode Sweep
Count 29 703/29 703
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.23 GHz
101 pts
4.0 MHz/
Span 40.0 MHz
Ready
14:37:49 27.10.2023

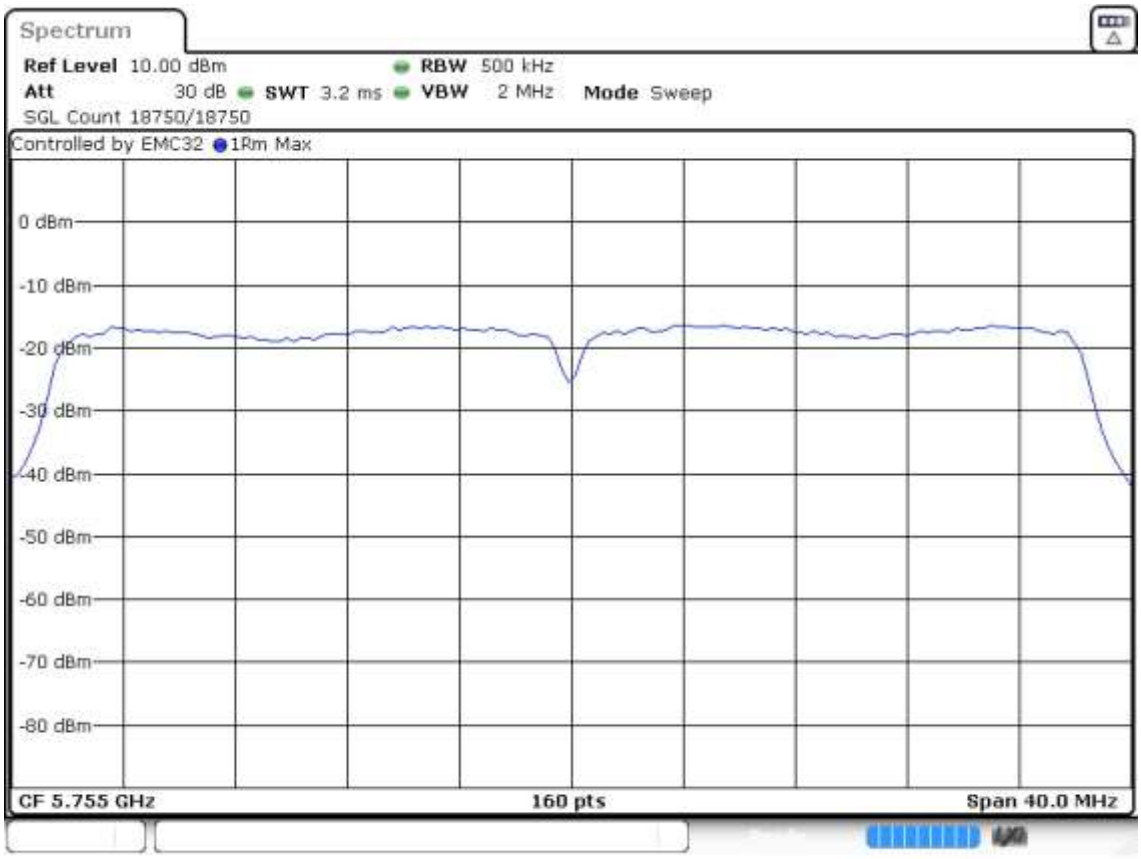
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5755.00000	Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



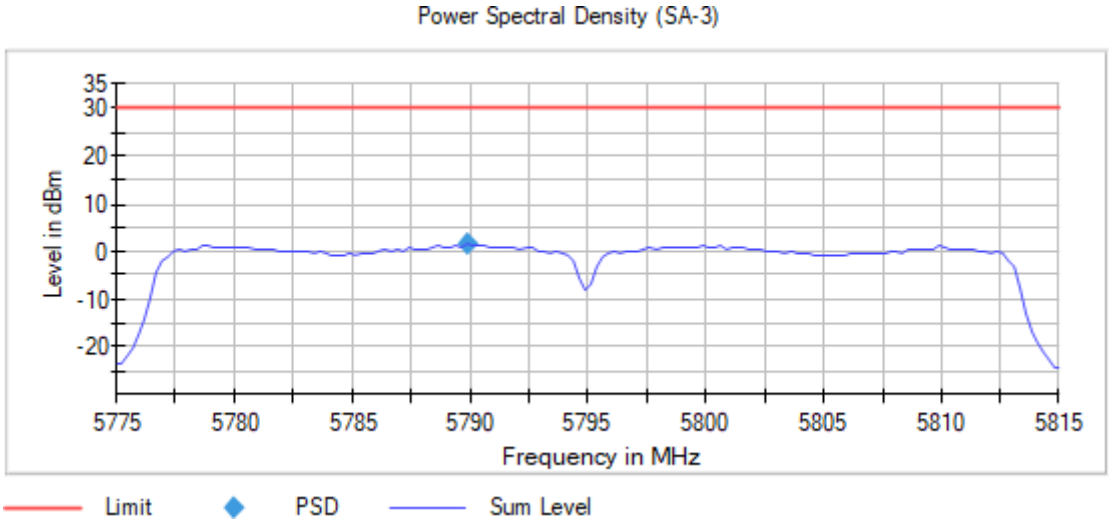


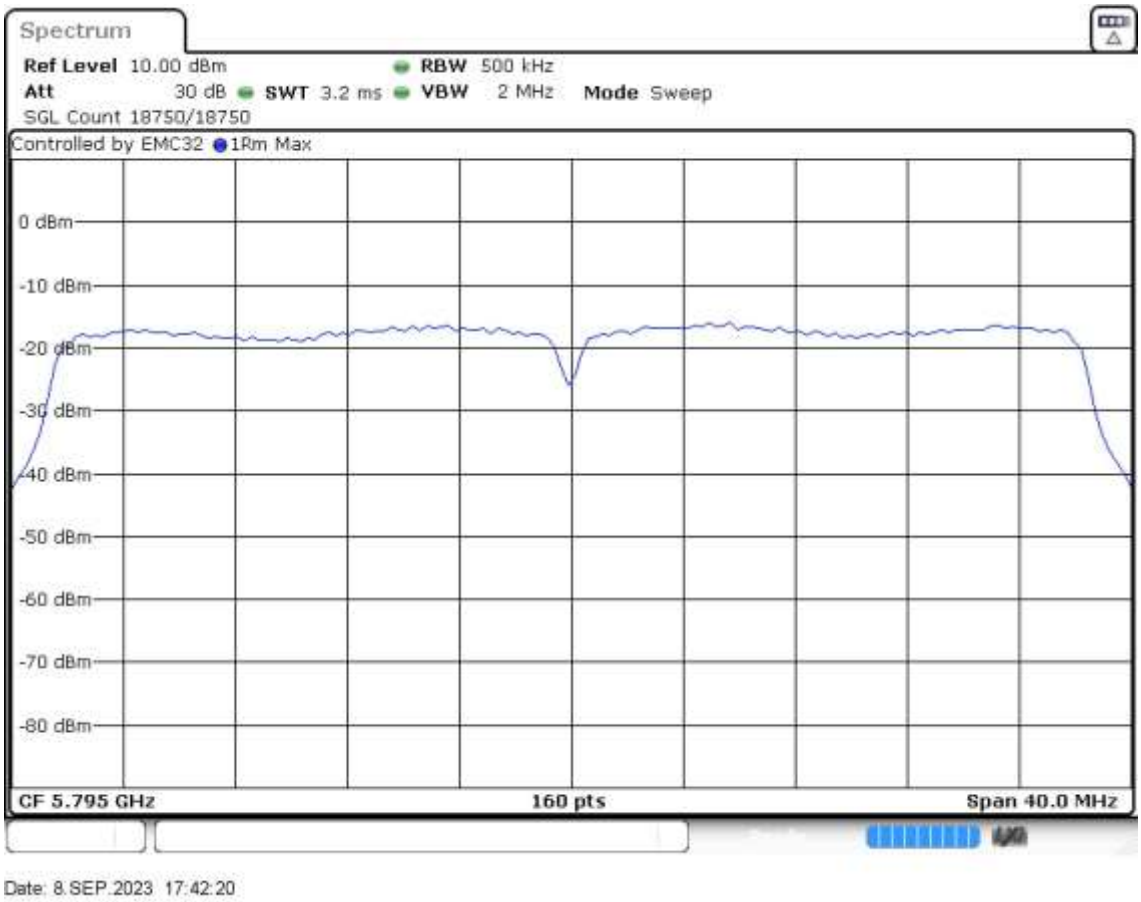
Date: 8.SEP.2023 17:08:59

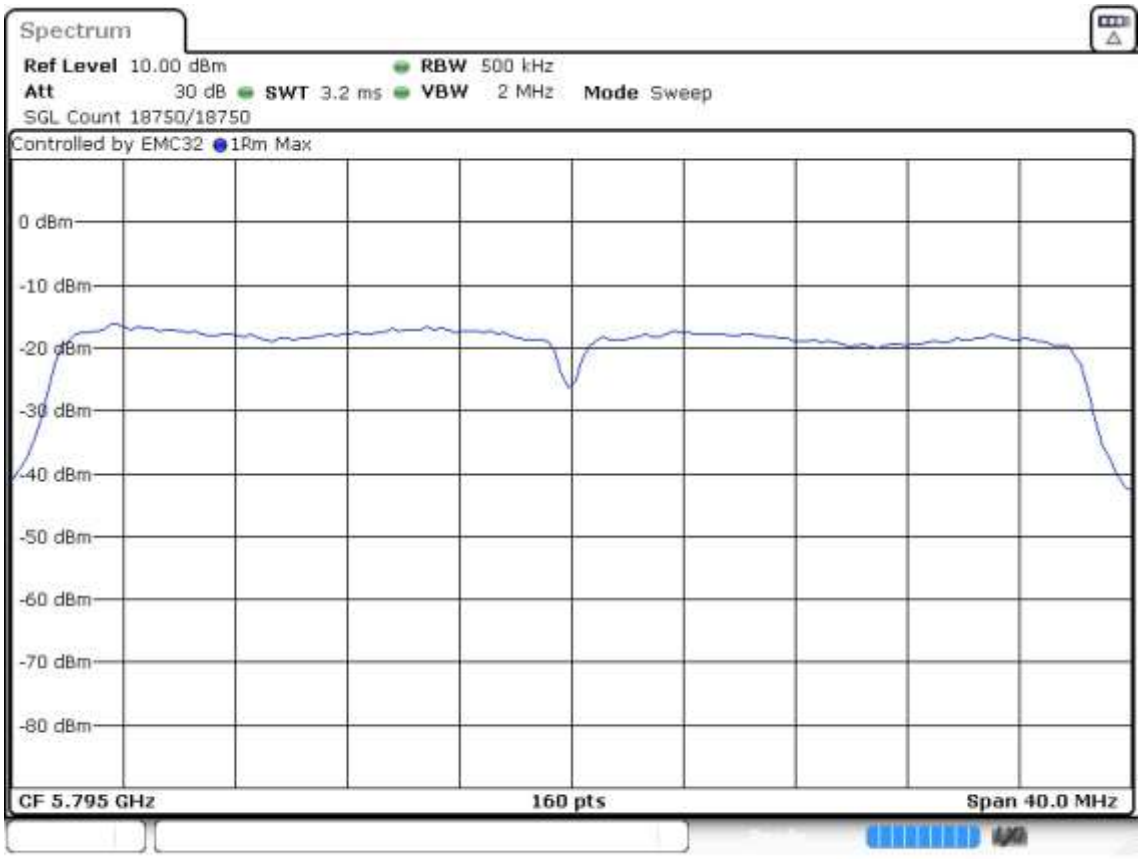

Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
Att 30 dB SWT 3.2 ms VBW 2 MHz Mode Sweep
SGL Count 18750/18750
Controlled by EMC32 1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.755 GHz
160 pts
Span 40.0 MHz
Date: 8.SEP.2023 17:11:37

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5795.00000	Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:






Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
Att 30 dB SWT 3.2 ms VBW 2 MHz Mode Sweep
SGL Count 18750/18750
Controlled by EMC32 1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.795 GHz
160 pts
Span 40.0 MHz
Date: 8.SEP.2023 17:44:57

Modulation: 802.11ax HE40 SS1 (OFDMA MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1+2	5190.00000	5184.455446	2.14
		5230.00000	5214.554455	2.41
		5755.00000	5769.875000	-0.31
		5795.00000	5789.875000	1.29

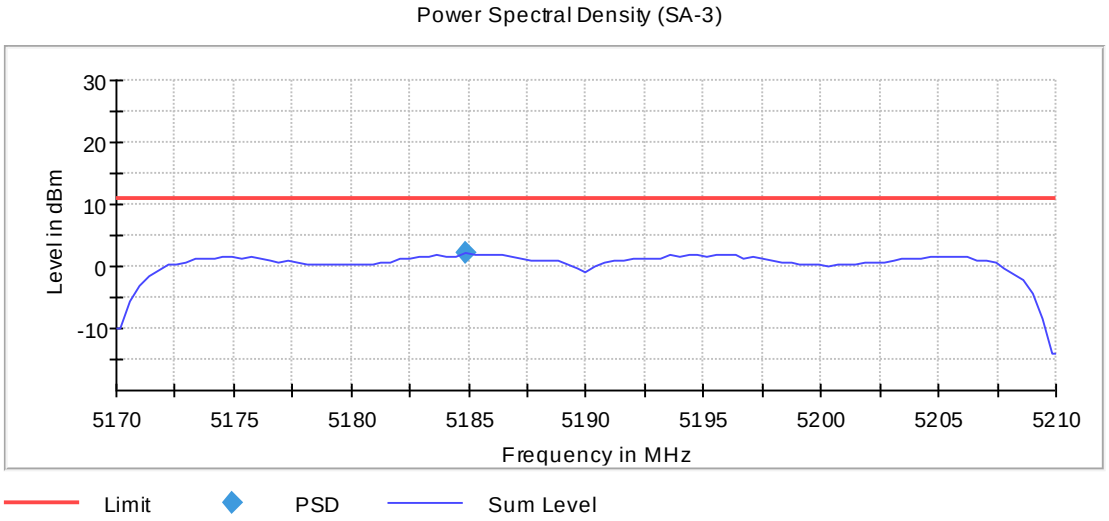
Verdict

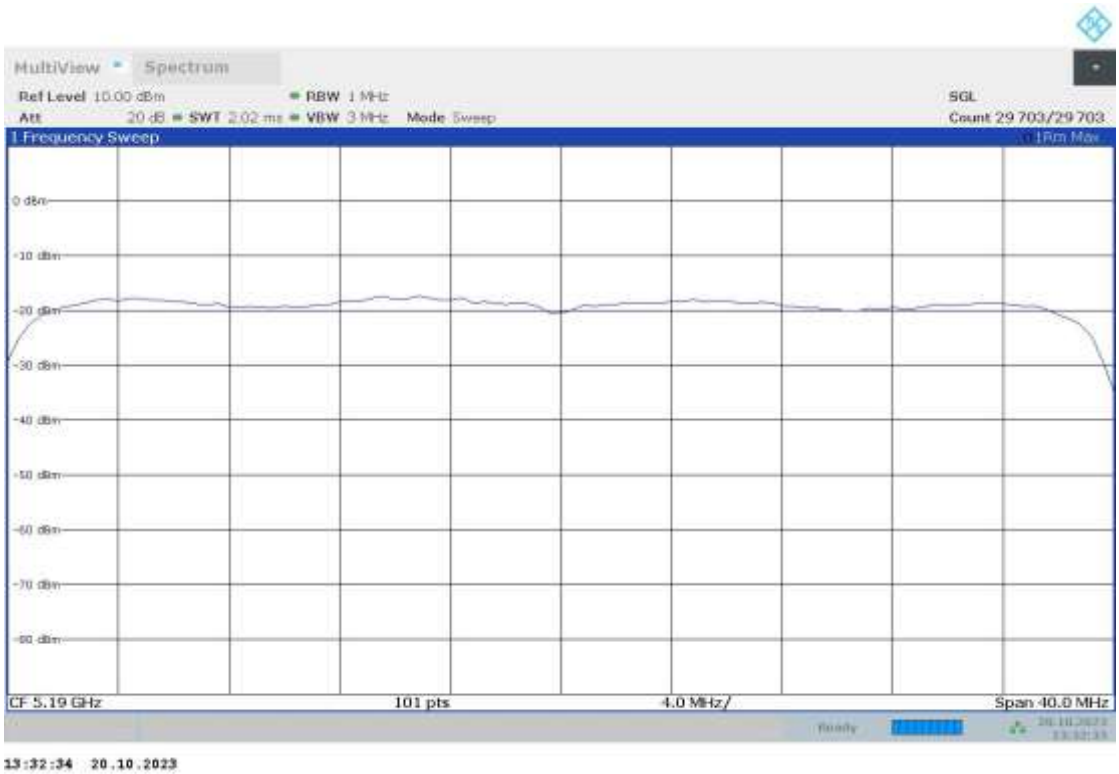
Pass

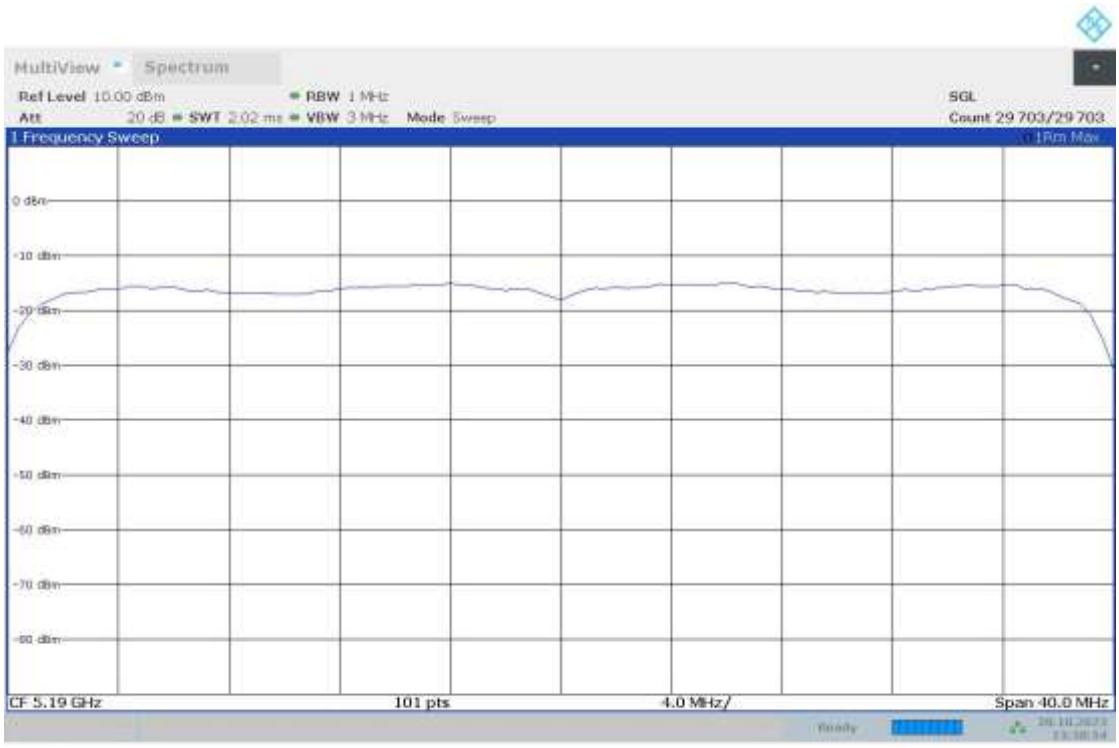
Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5190.00000	Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

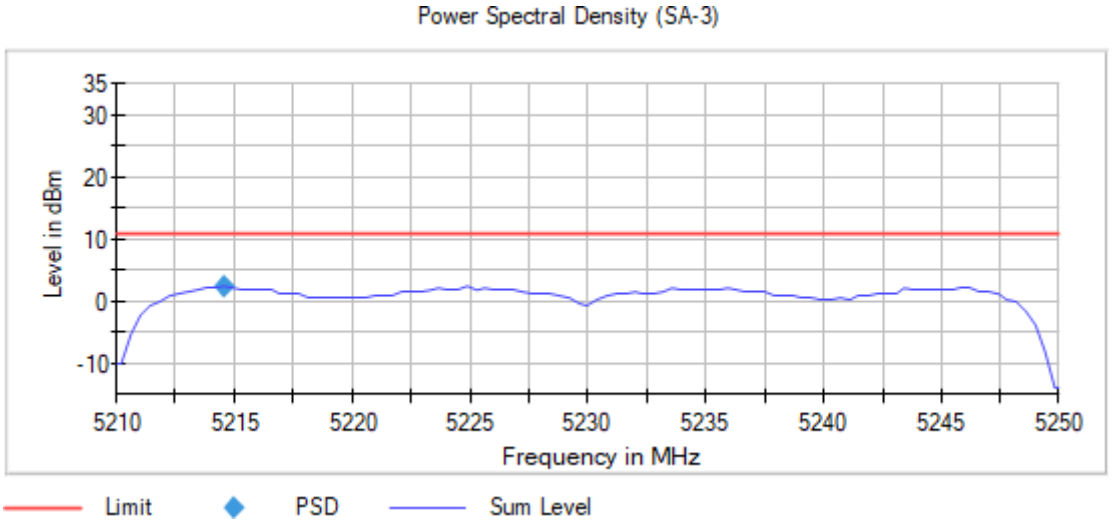


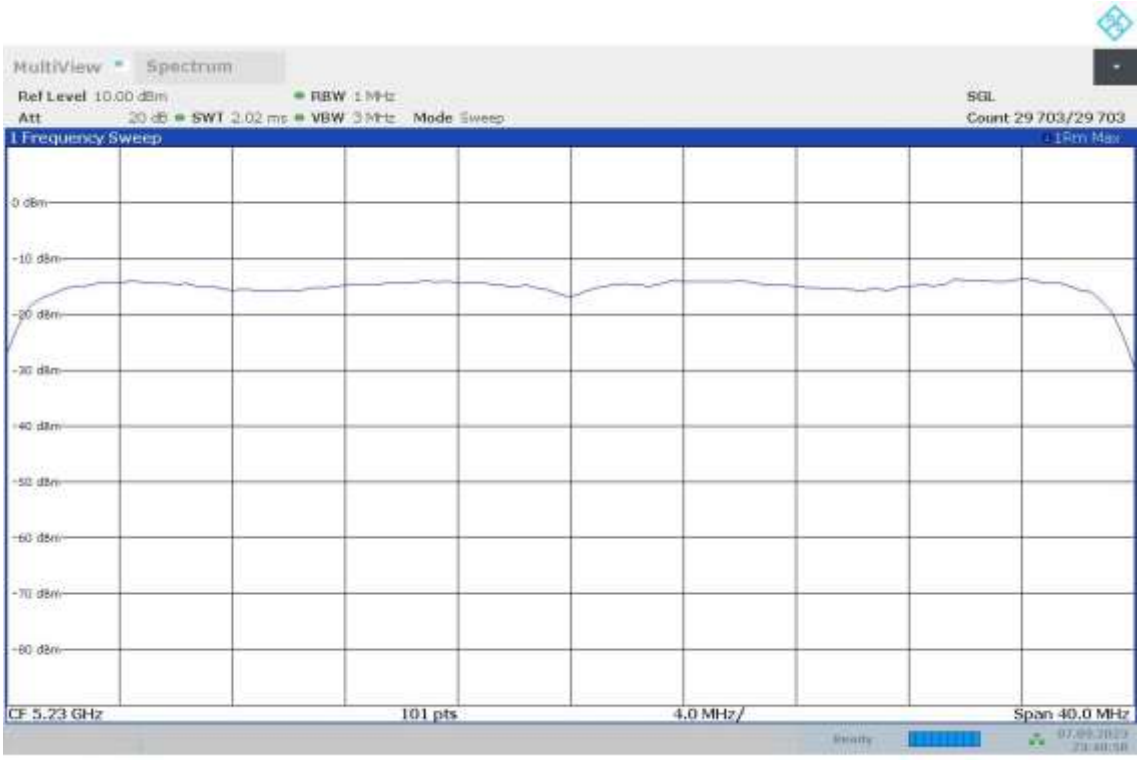


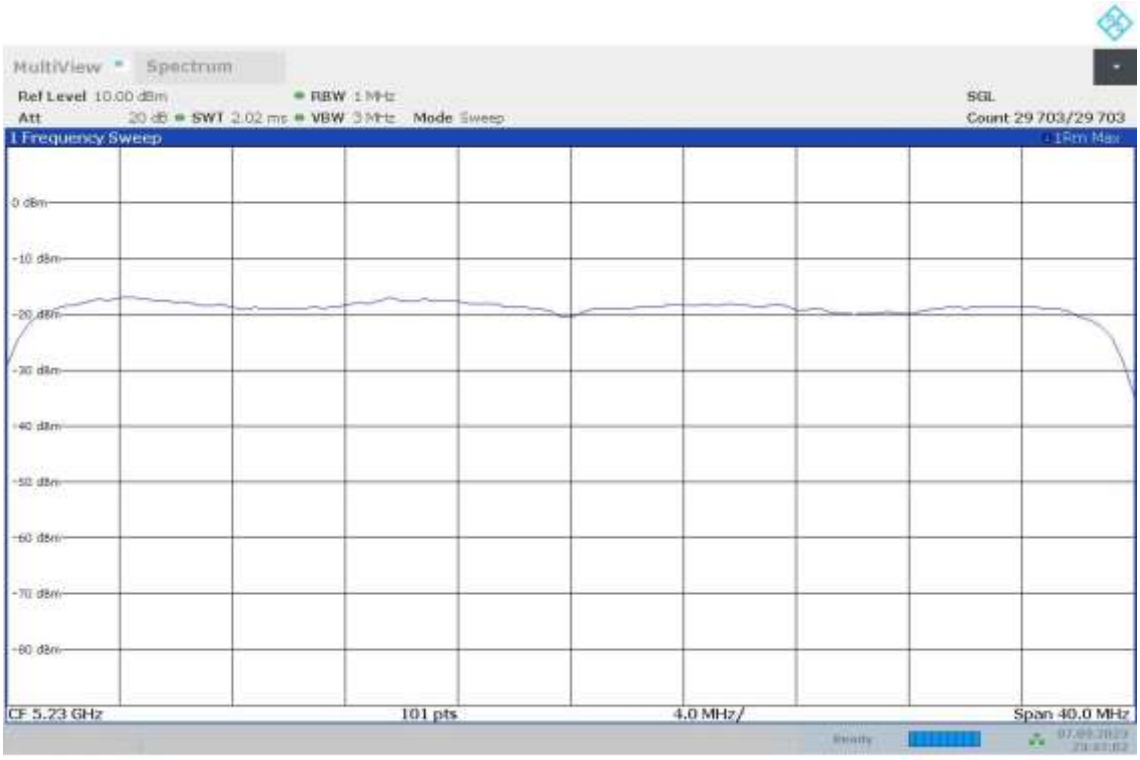

MultiView
Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
SGL
Att 20 dB SWT 2.02 ms VBW 3 MHz Mode Sweep
Count 29 703/29 703
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.19 GHz
101 pts
4.0 MHz/
Span 40.0 MHz
Ready
13:38:55 20.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5230.00000	Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



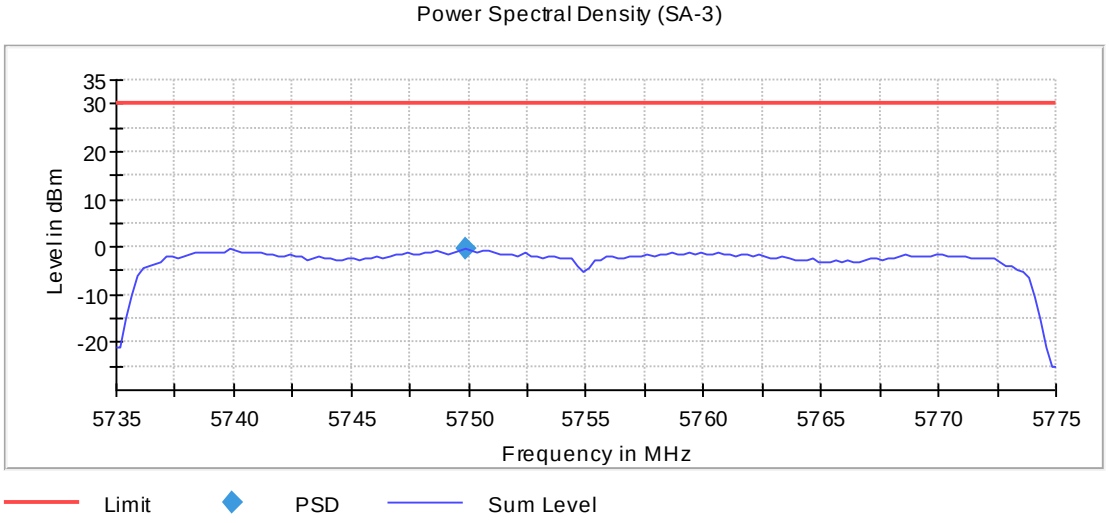


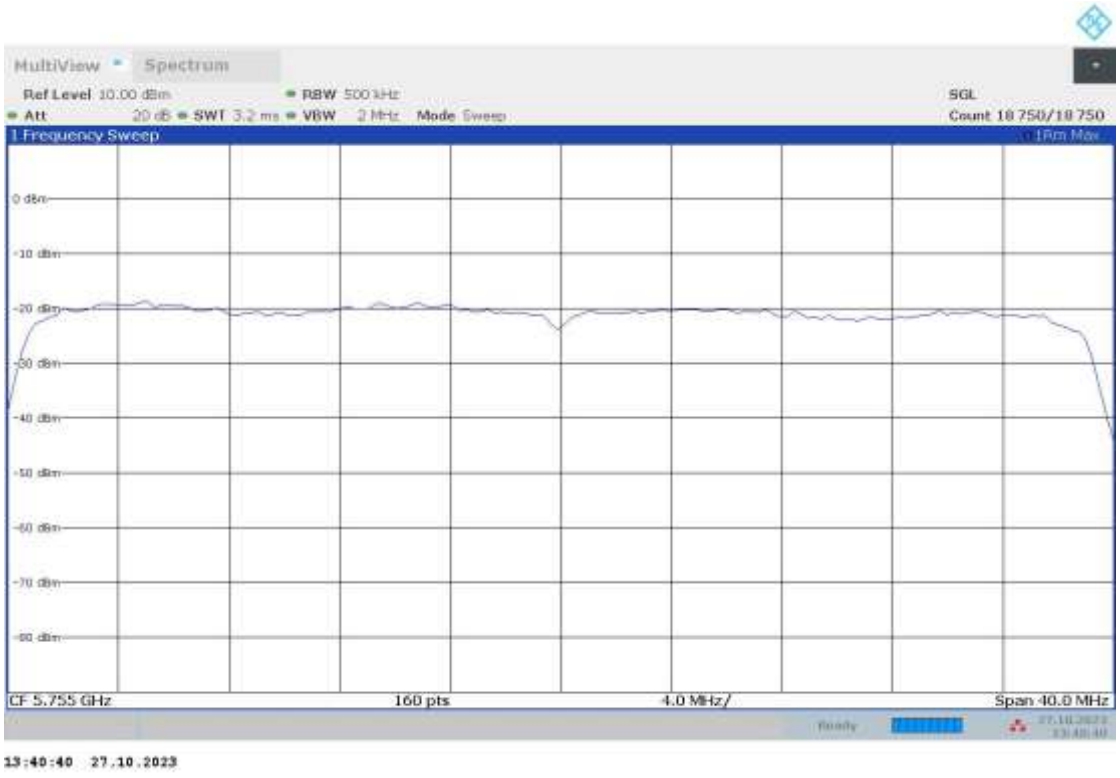


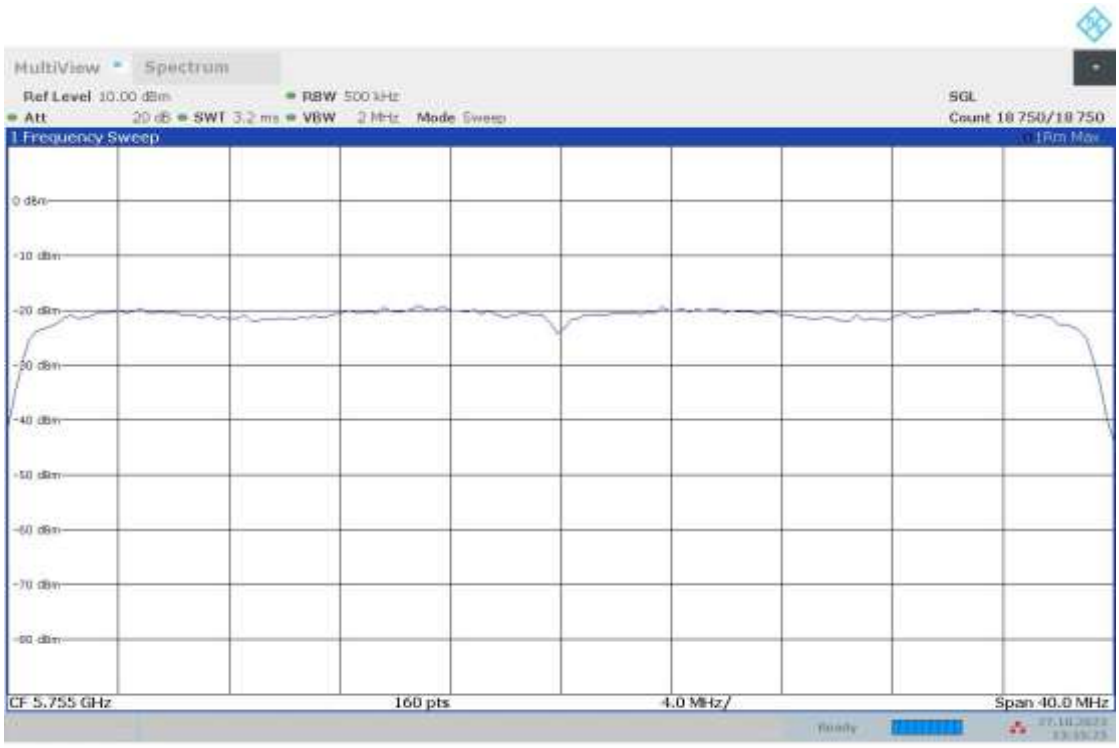
23:47:02 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5755.00000	Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

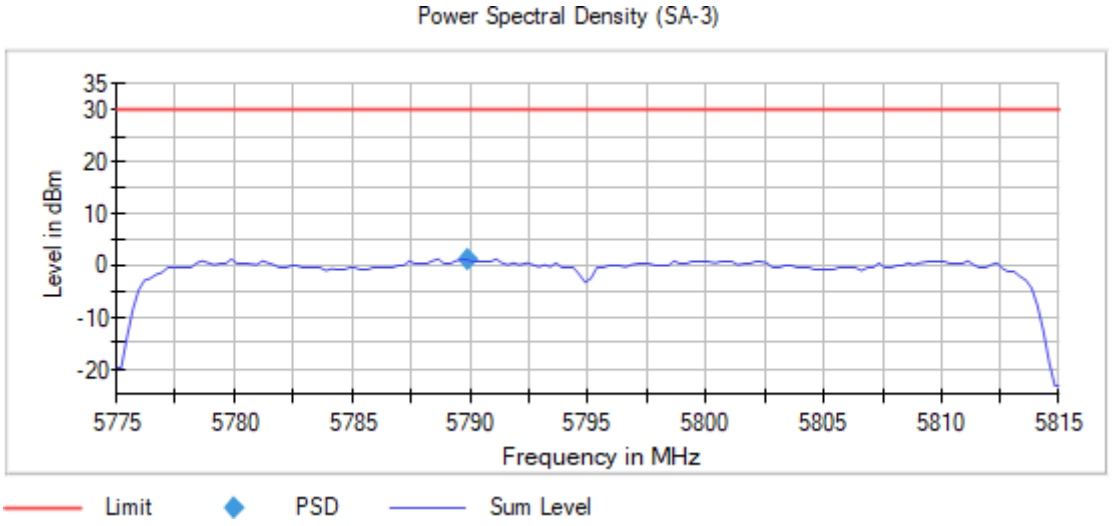


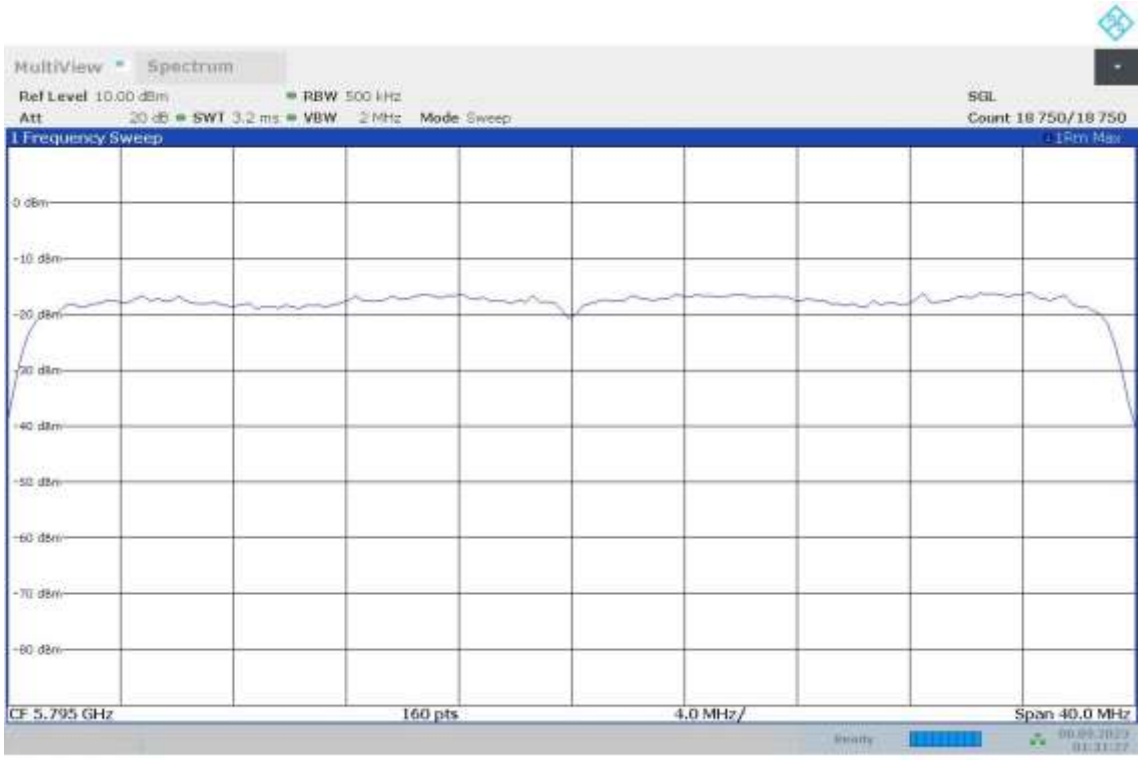



MultiView
Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
SGL
Att 20 dB SWT 3.2 ms VBW 2 MHz Mode Sweep
Count 10 750/10 750
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.755 GHz
160 pts
4.0 MHz/
Span 40.0 MHz
Ready
13:55:26 27.10.2023

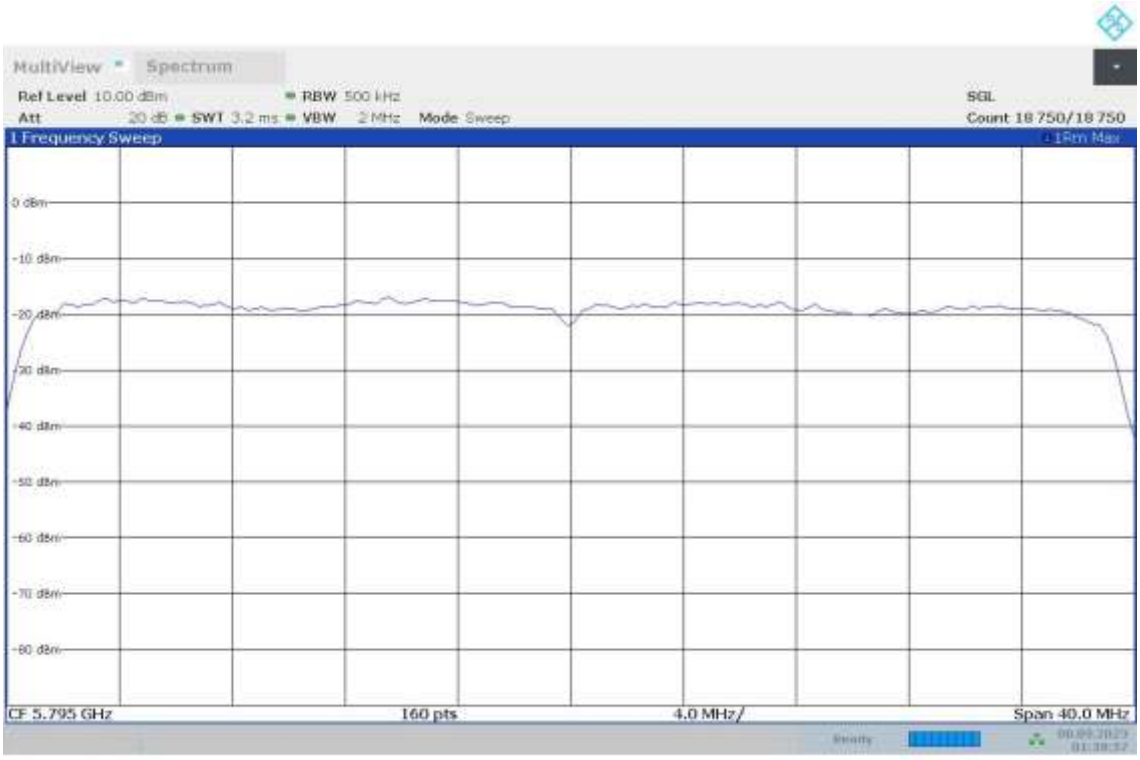
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5795.00000	Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:





01:31:28 08.09.2023



01:39:58 08.09.2023

Modulation: 802.11ac VHT80 SS1 (OFDM MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1+2	5210.00000	5183.750000	-4.48
		5775.00000	5778.625000	-2.39

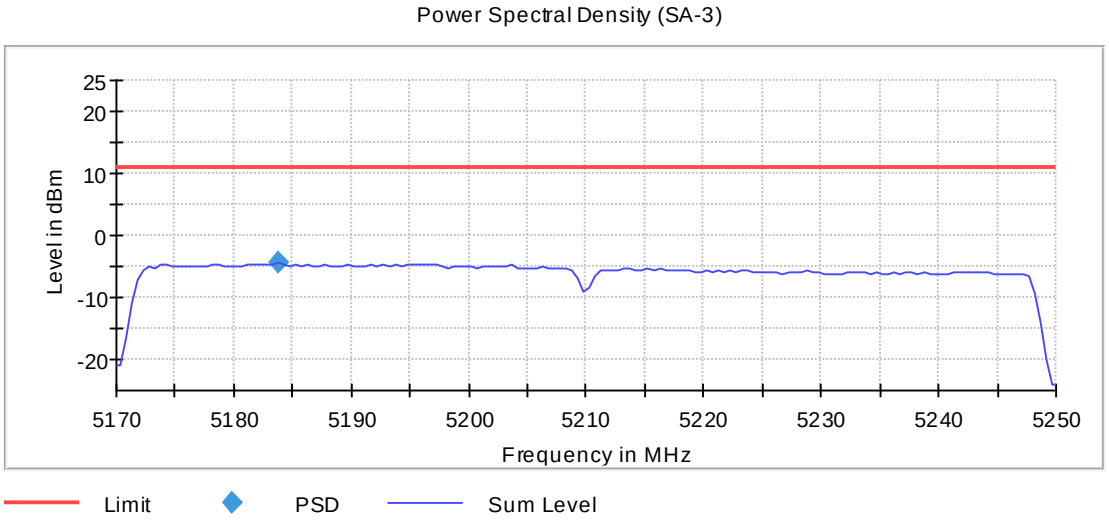
Verdict

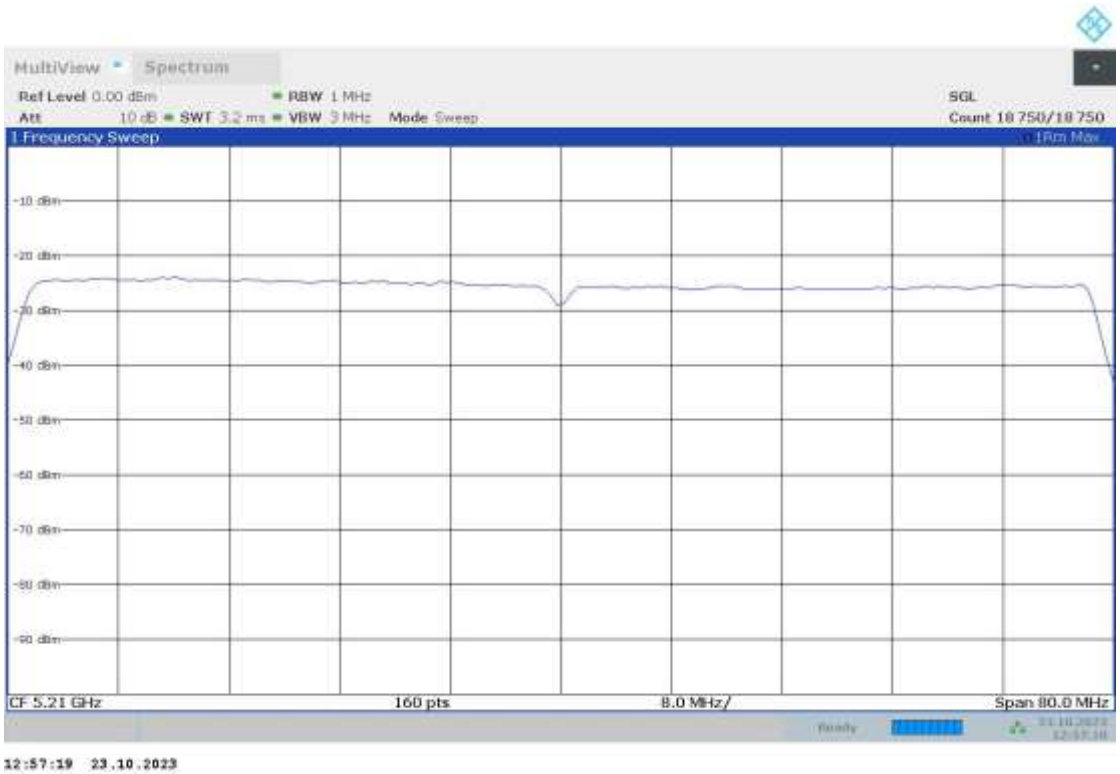
Pass

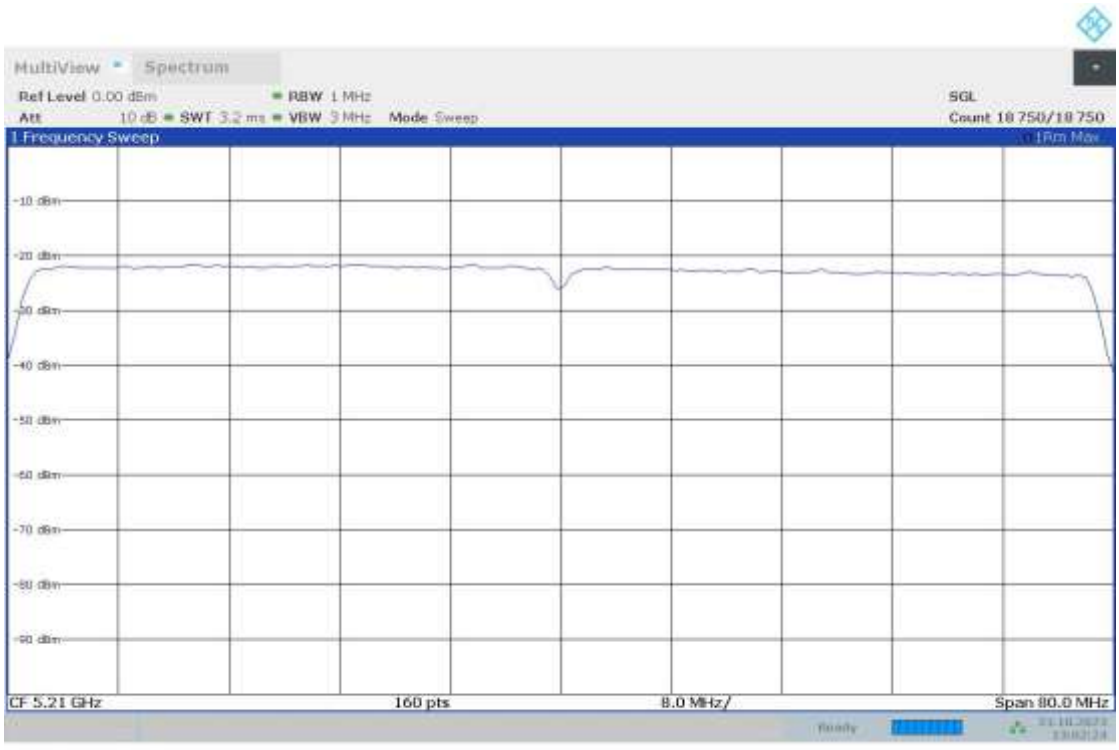
Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5210.00000	Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

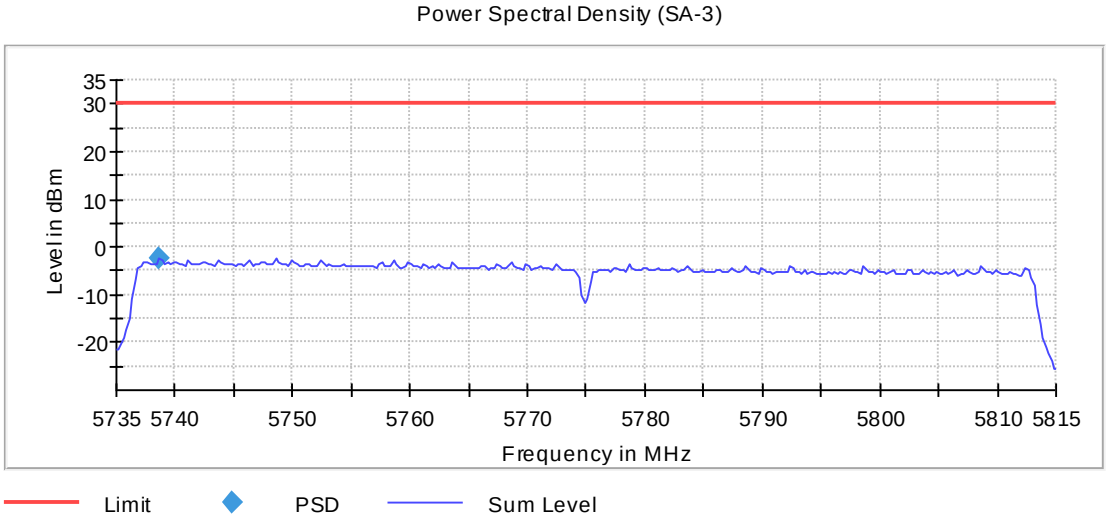


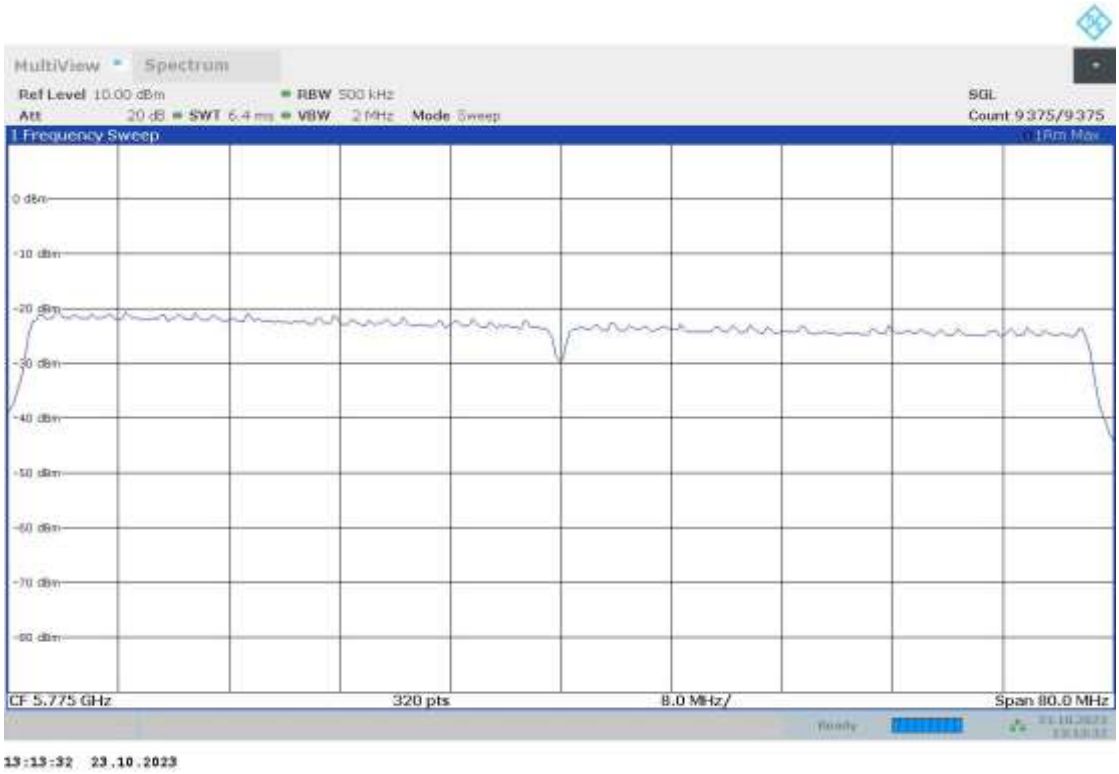


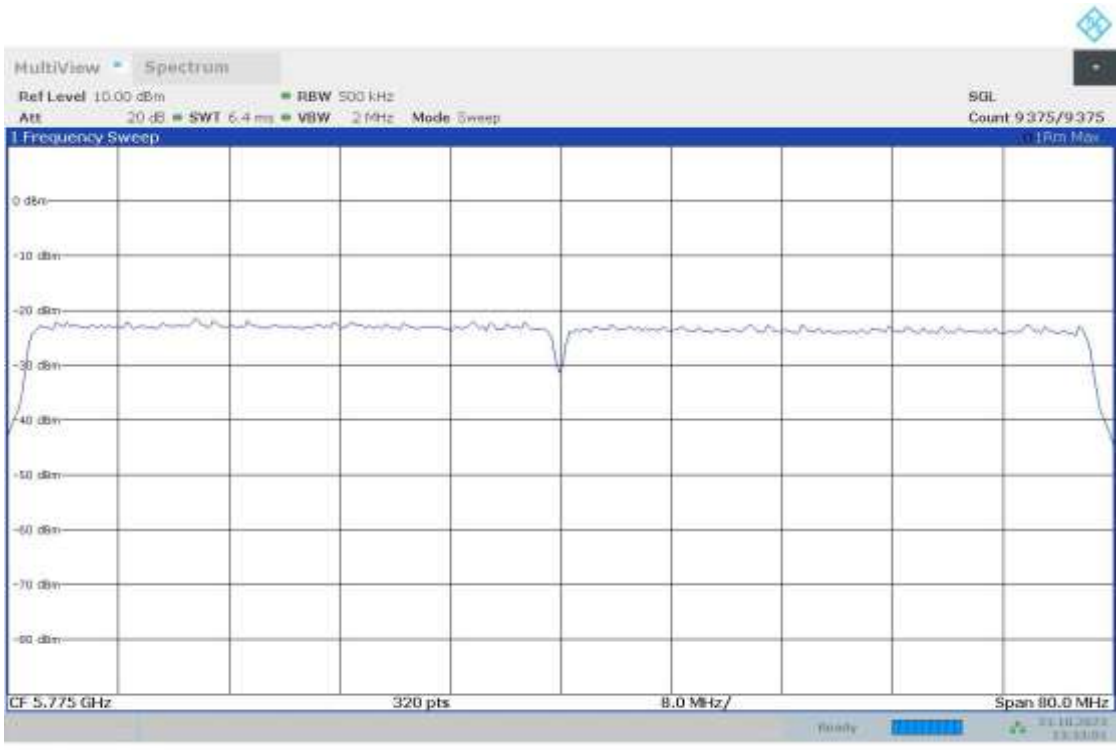

MultiView
Spectrum
Ref Level 0.00 dBm
RBW 1 MHz
SGL
Att 10 dB SWT 3.2 ms VBW 3 MHz Mode Sweep
Count 10 750/10 750
1 Frequency Sweep
1Rm Max
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
-90 dBm
CF 5.21 GHz
160 pts
8.0 MHz/
Span 80.0 MHz
Ready
13:02:24 23.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5775.00000	Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:






MultiView
Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
SGL
Att 20 dB SWT 6.4 ms VBW 2 MHz Mode Sweep
Count 9375/9375
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.775 GHz
320 pts
8.0 MHz/
Span 80.0 MHz
Ready
13:33:01 23.10.2023

Modulation: 802.11ax HE80 SS1 (OFDMA MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1+2	5210.00000	5181.250000	-3.28
		5775.00000	5789.875000	-2.49

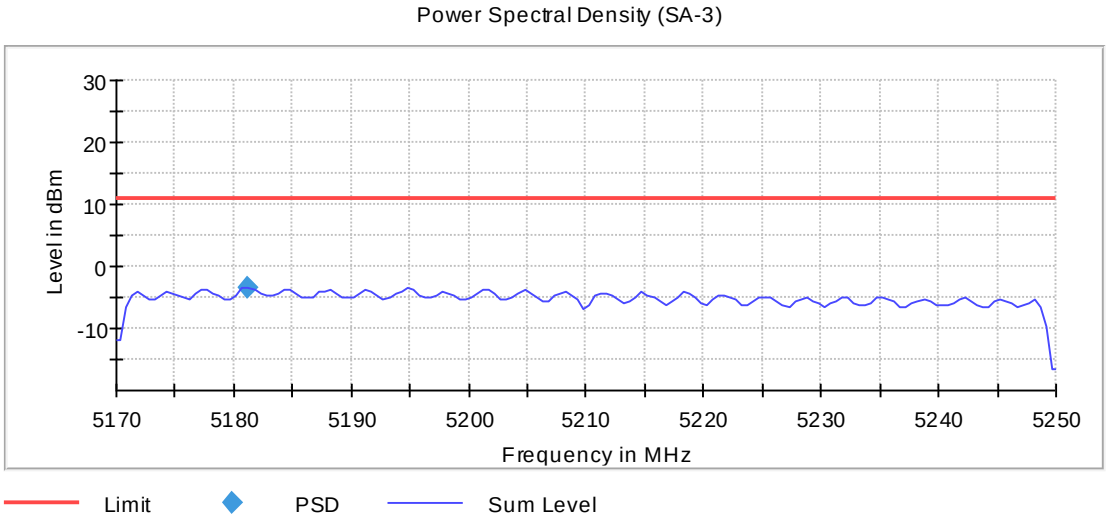
Verdict

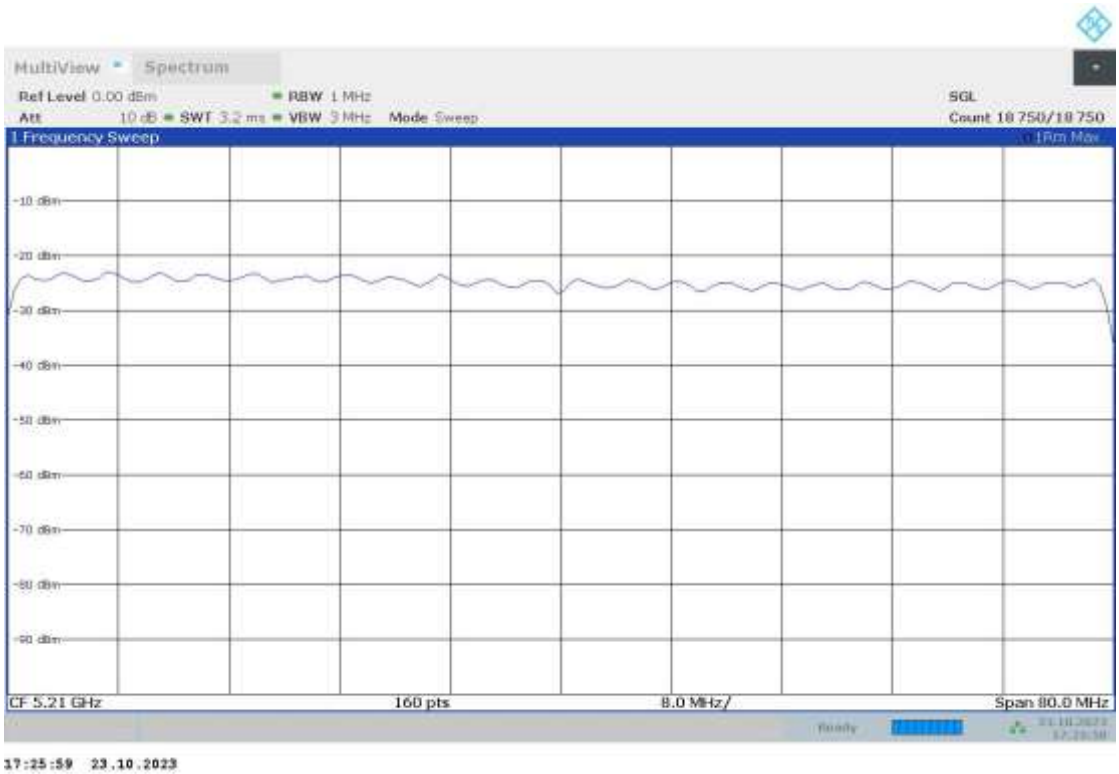
Pass

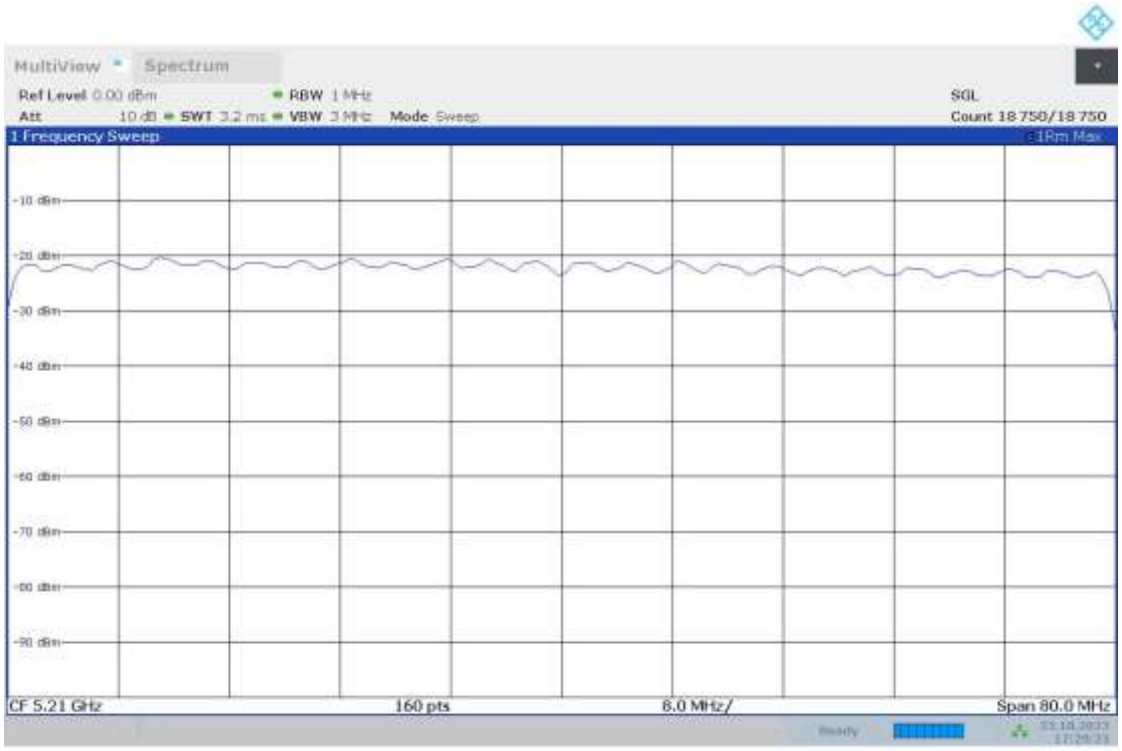
Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5210.00000	Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



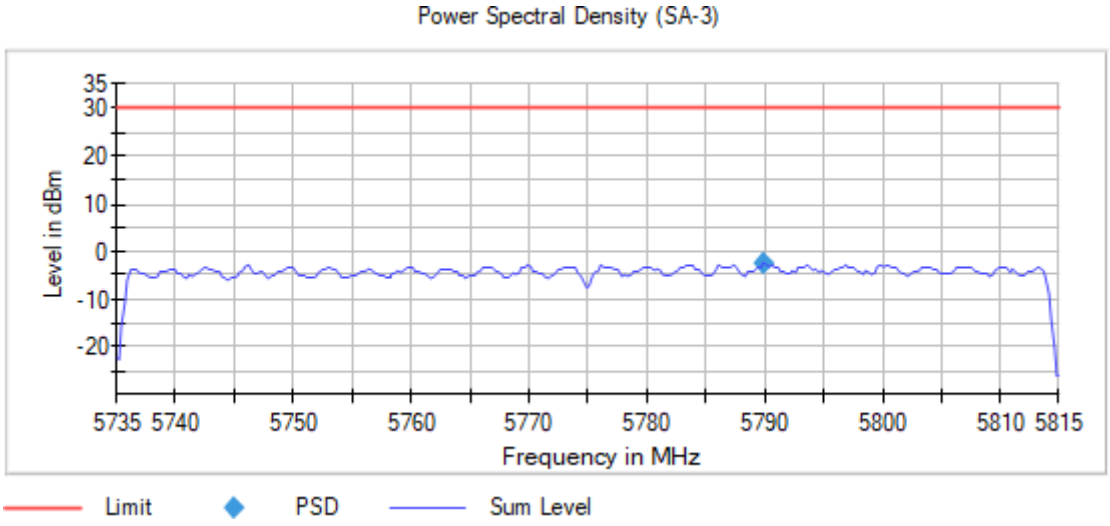


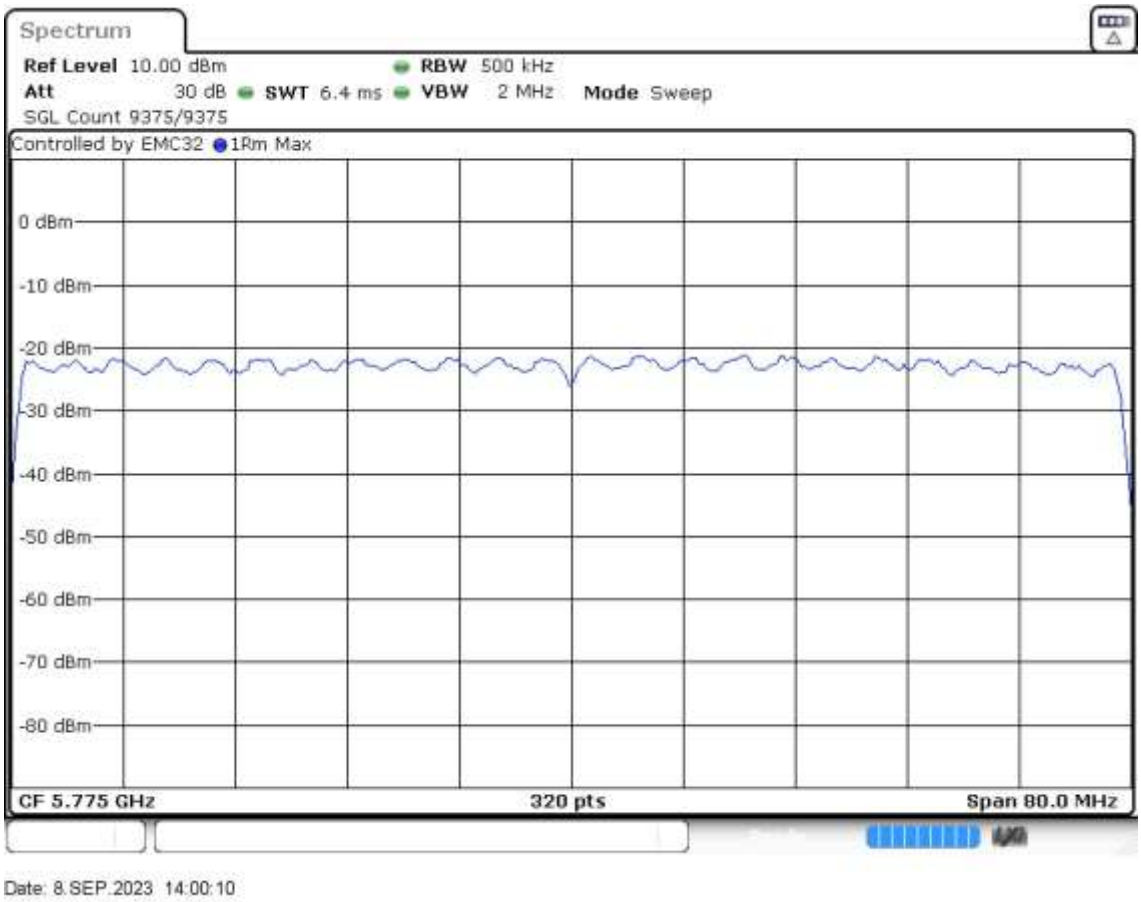


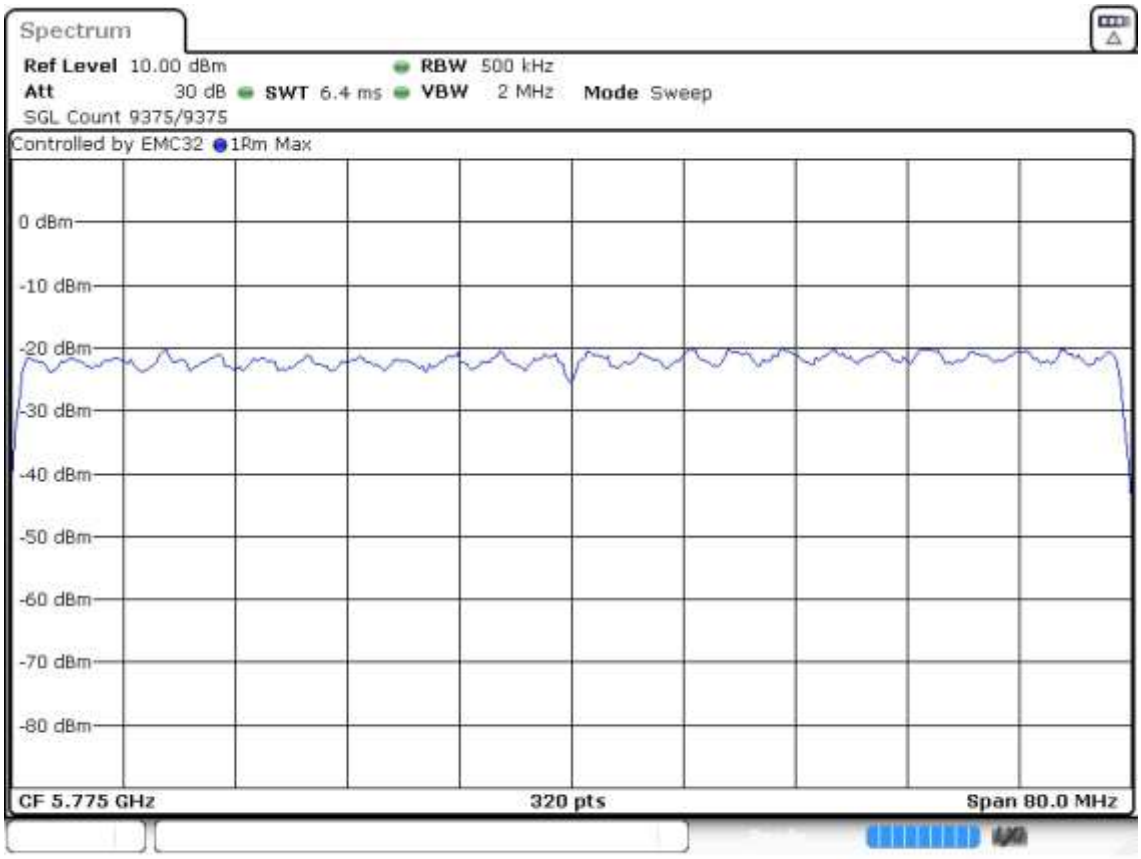
17:29:23 23.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5775.00000	Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:







Date: 8.SEP.2023 14:07:14

Modulation: 802.11n HT20 (OFDM MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1+2	5180.00000	5177.425743	4.42
		5200.00000	5197.227723	4.32
		5240.00000	5237.623762	4.22
		5745.00000	5752.524752	1.33
		5785.00000	5777.475248	0.23
		5825.00000	5817.475248	0.06

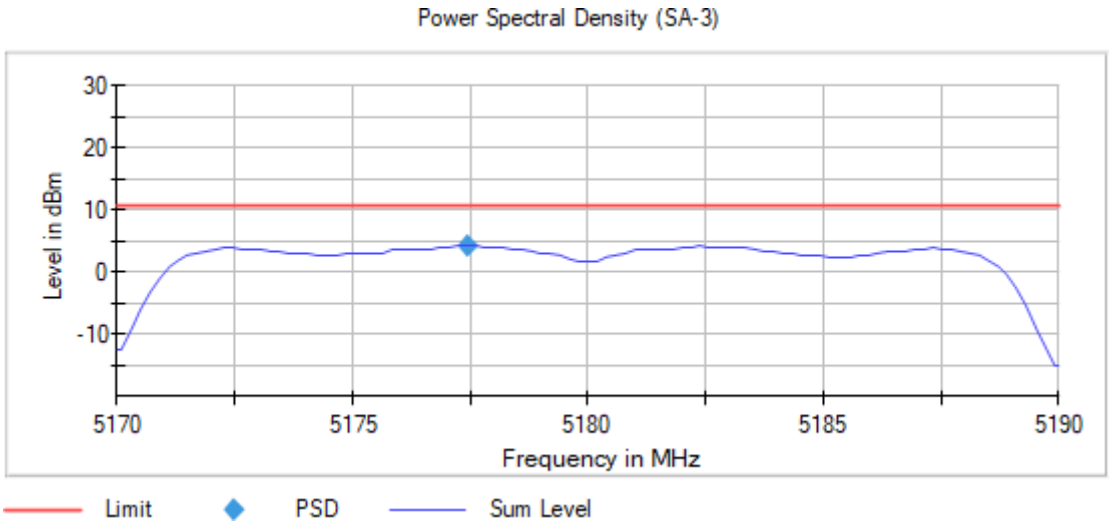
Verdict

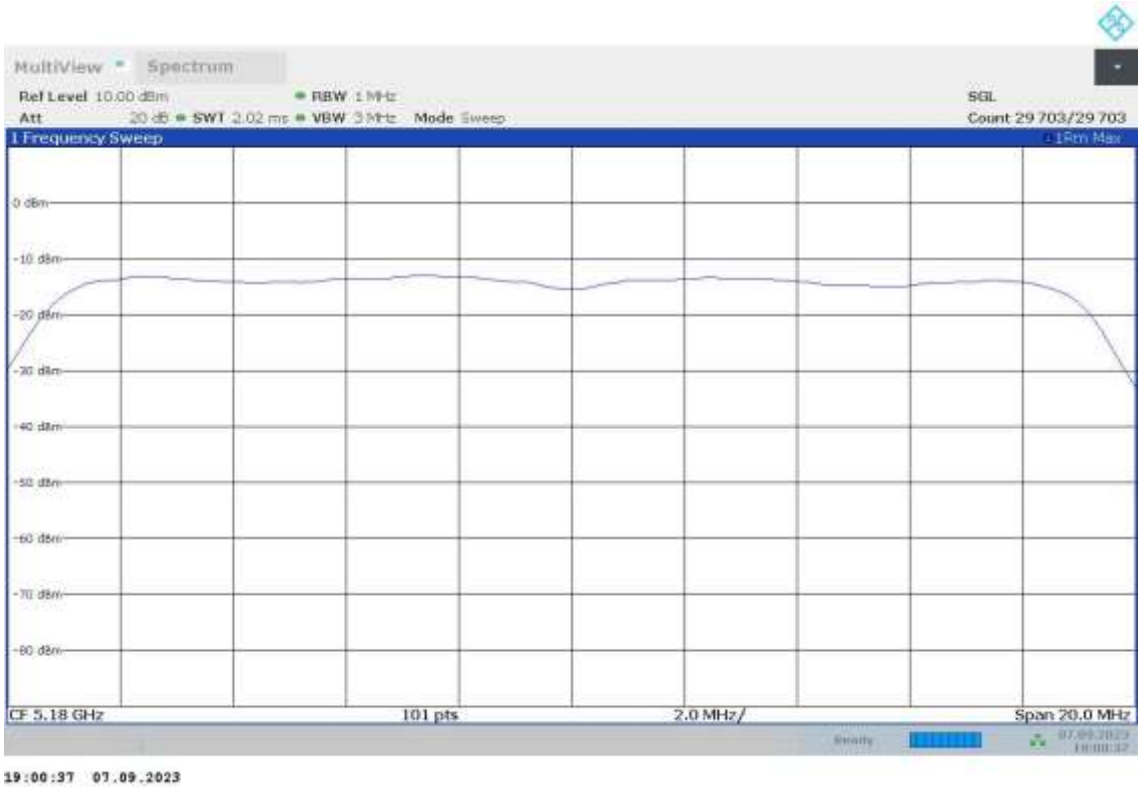
Pass

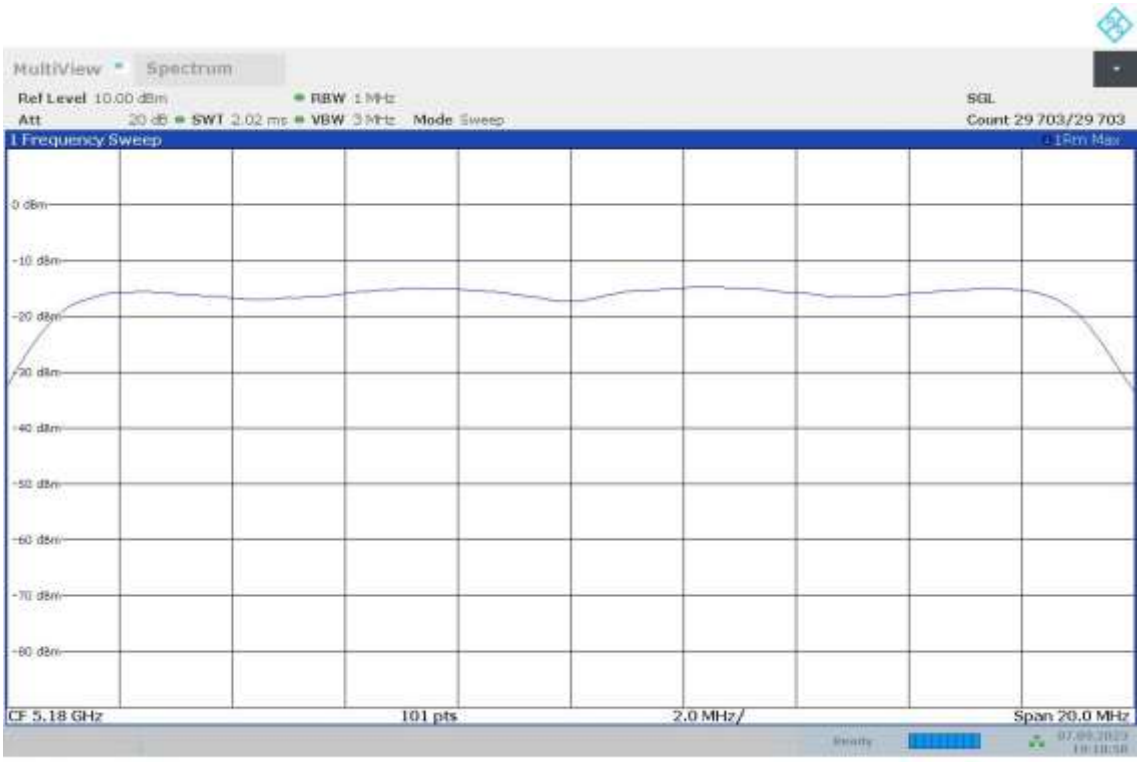
Attachments

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5180.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



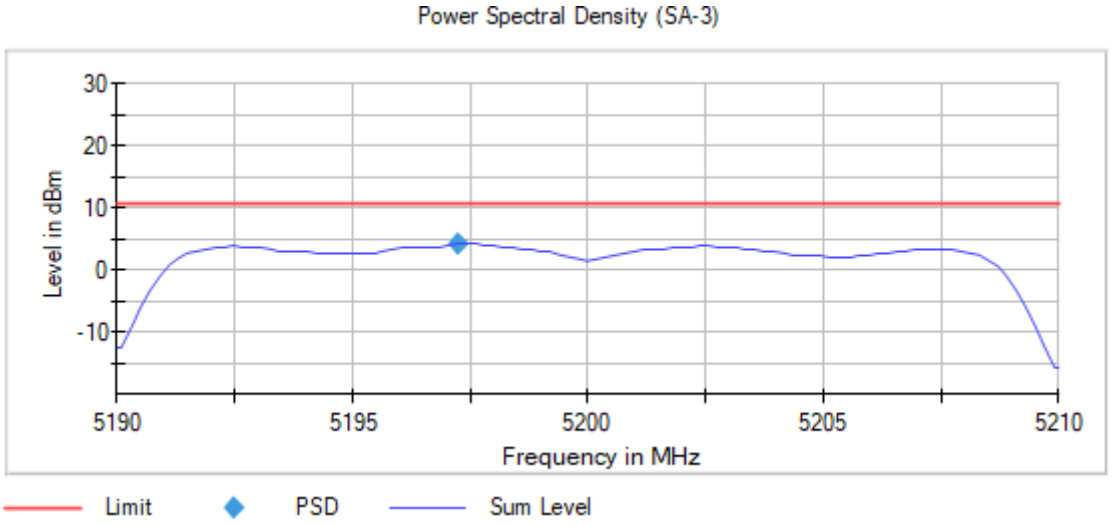


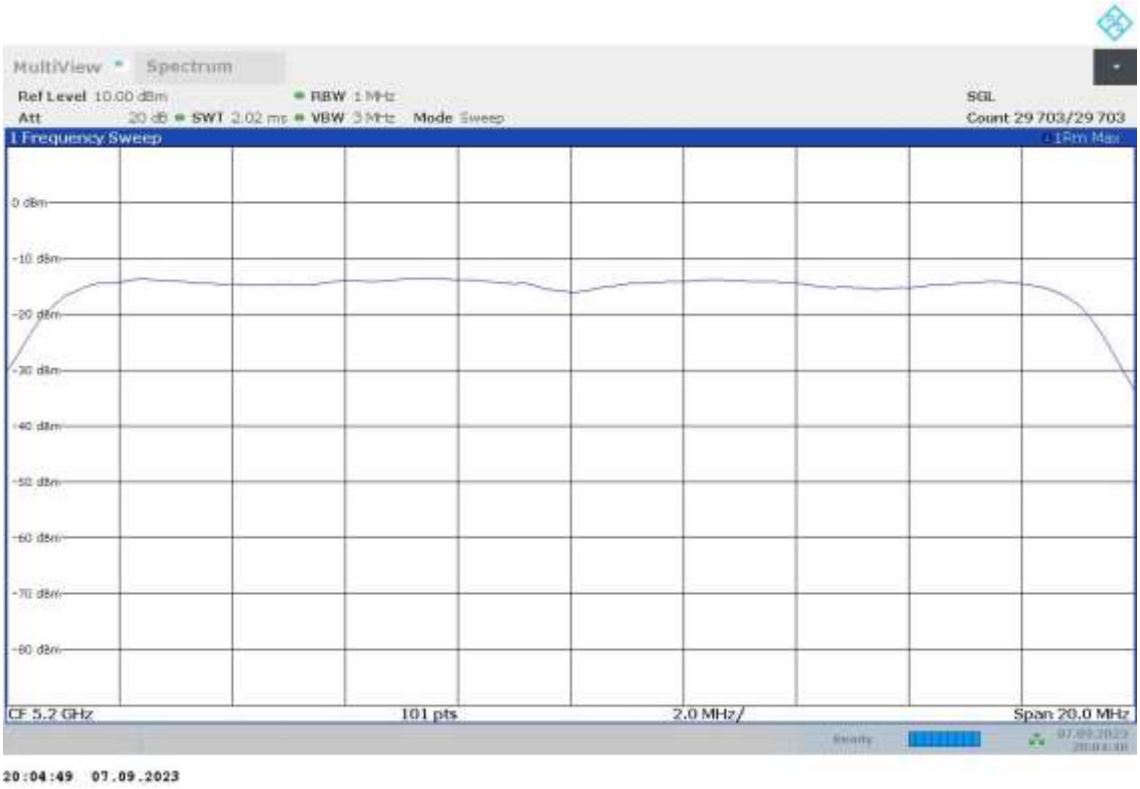


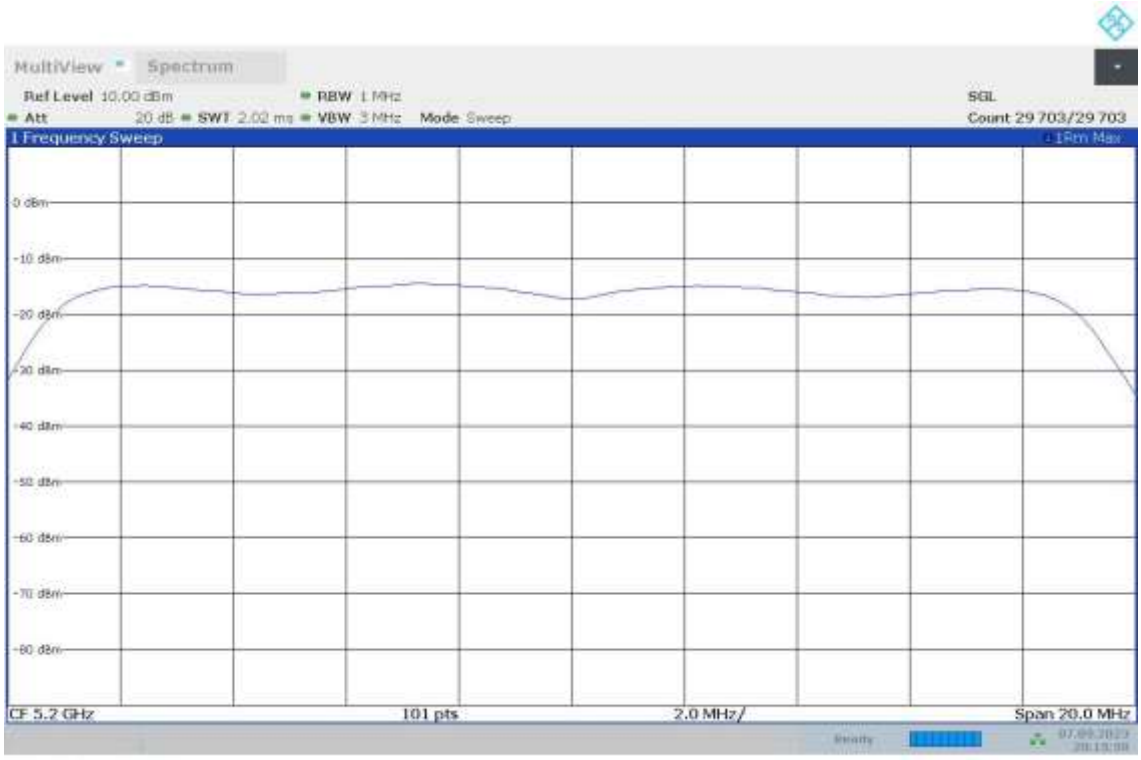
19:10:58 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5200.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



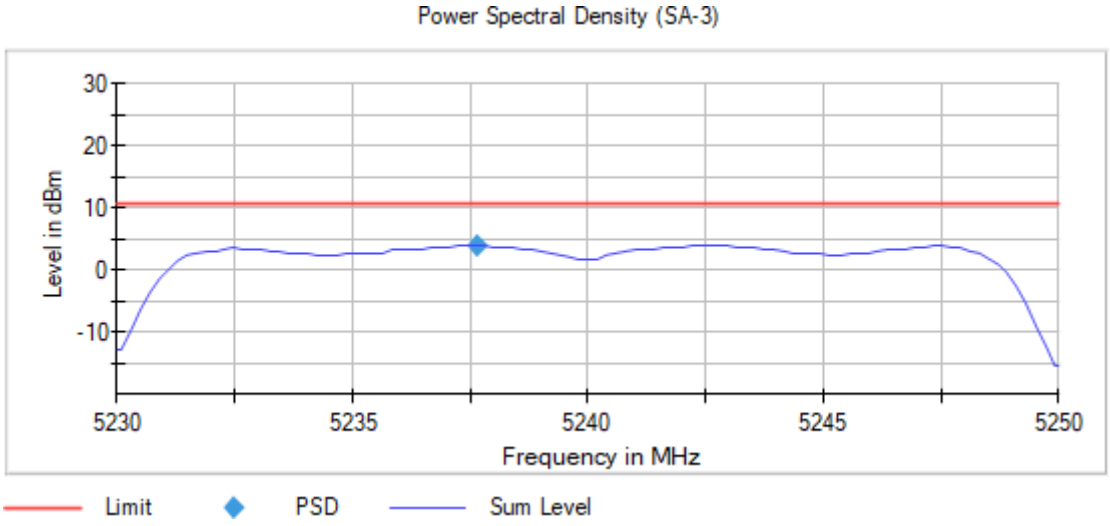


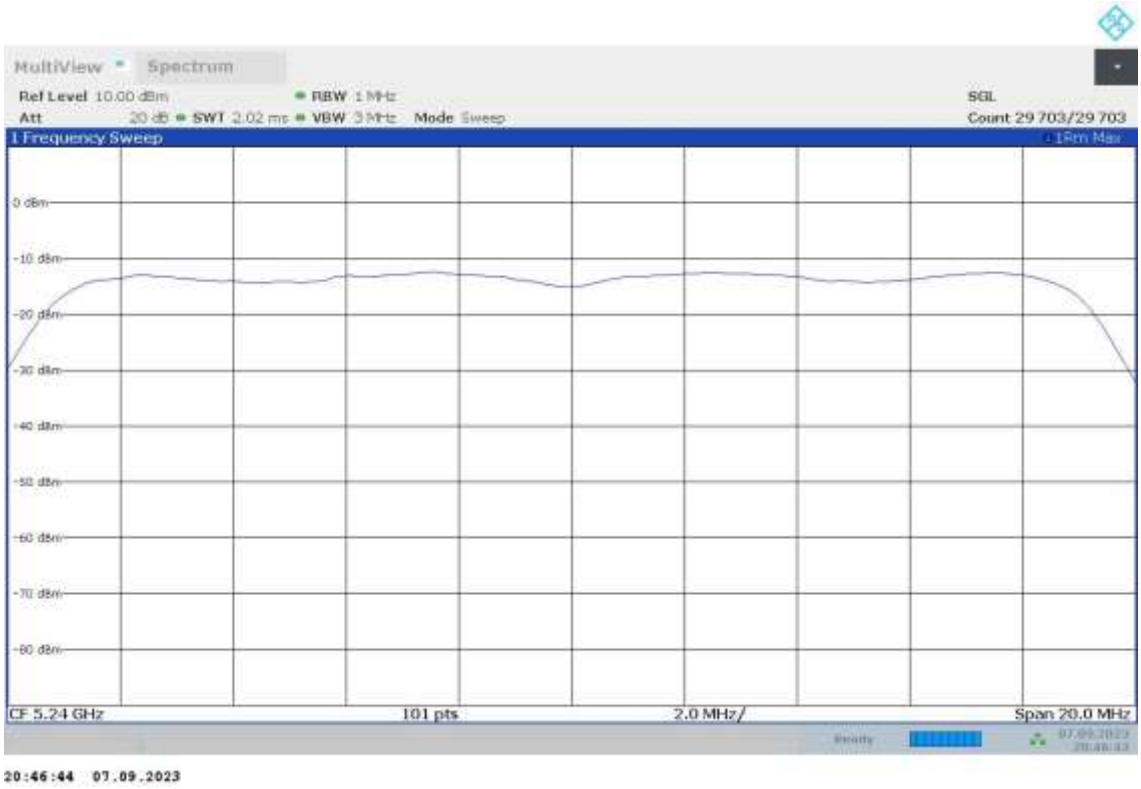


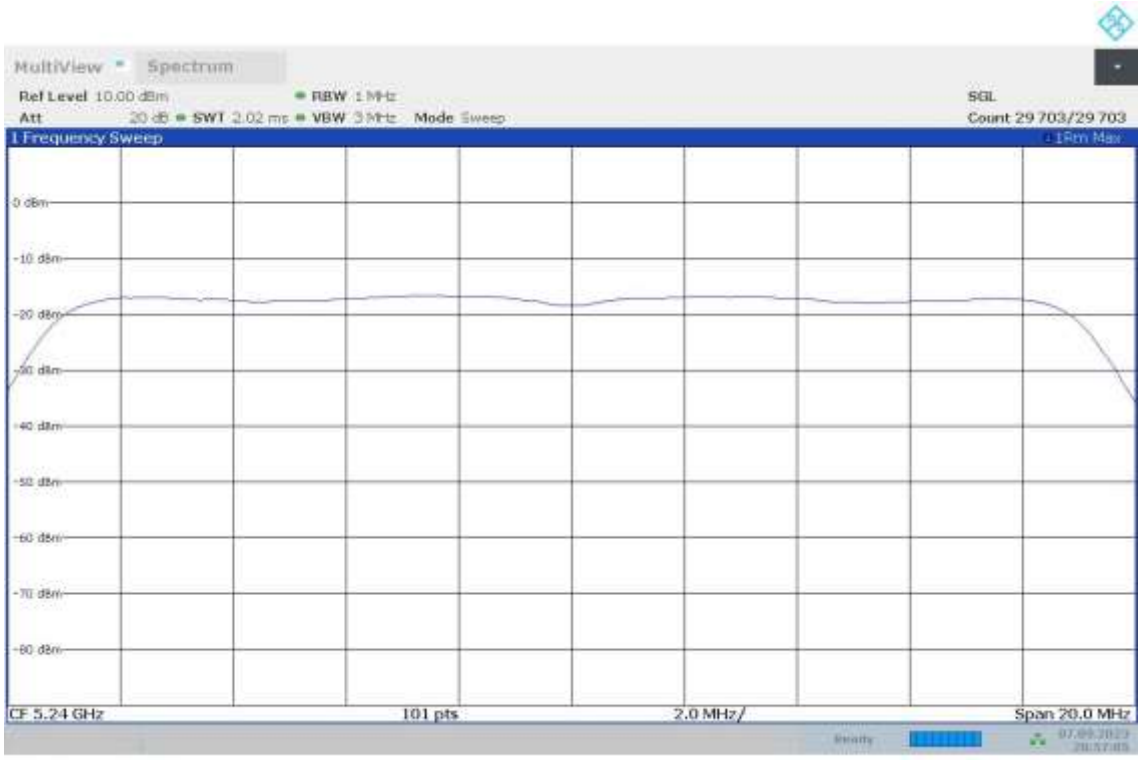
20:15:59 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5240.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



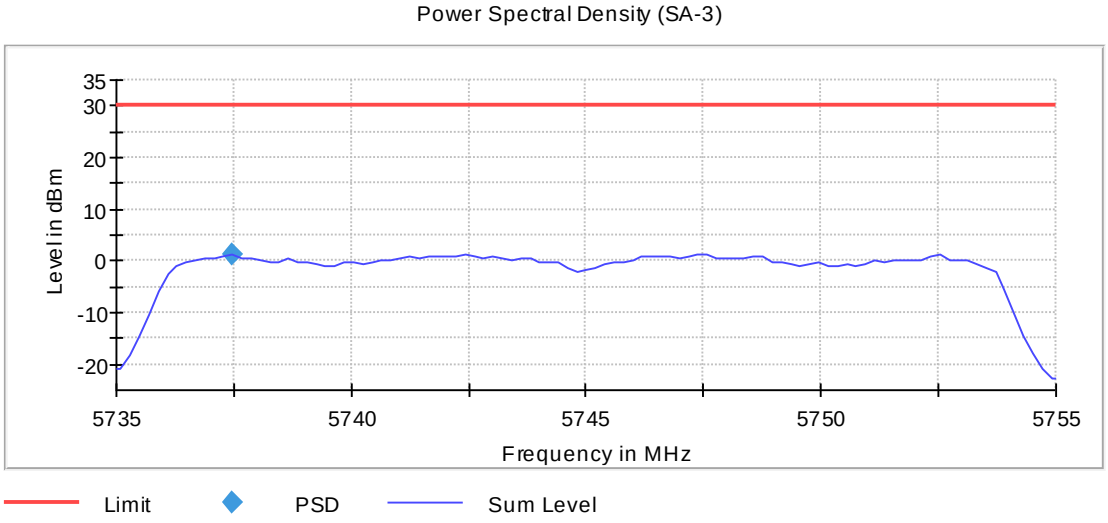


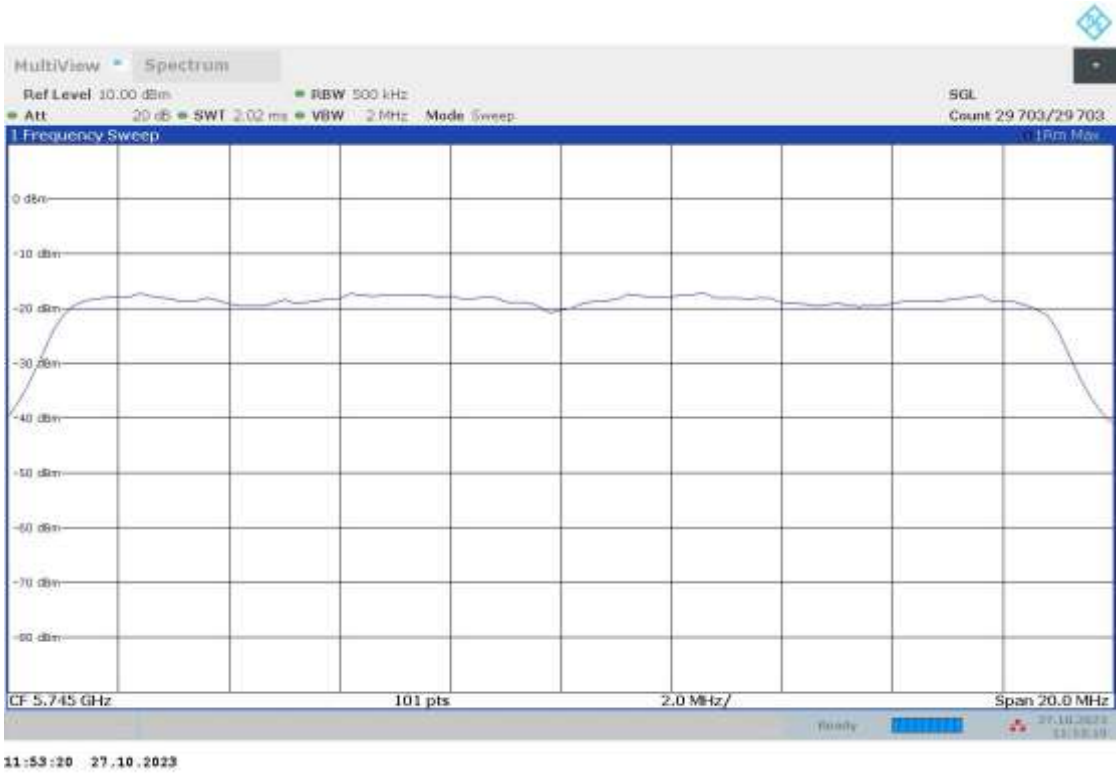


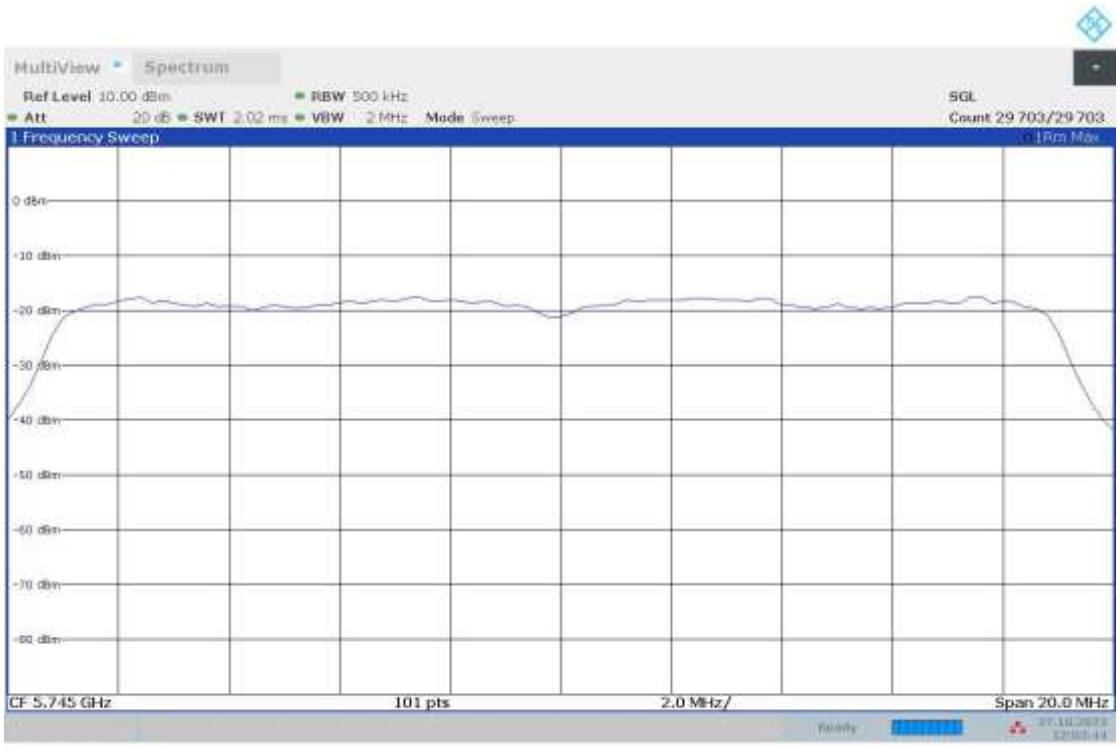
20:57:05 07.09.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5745.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

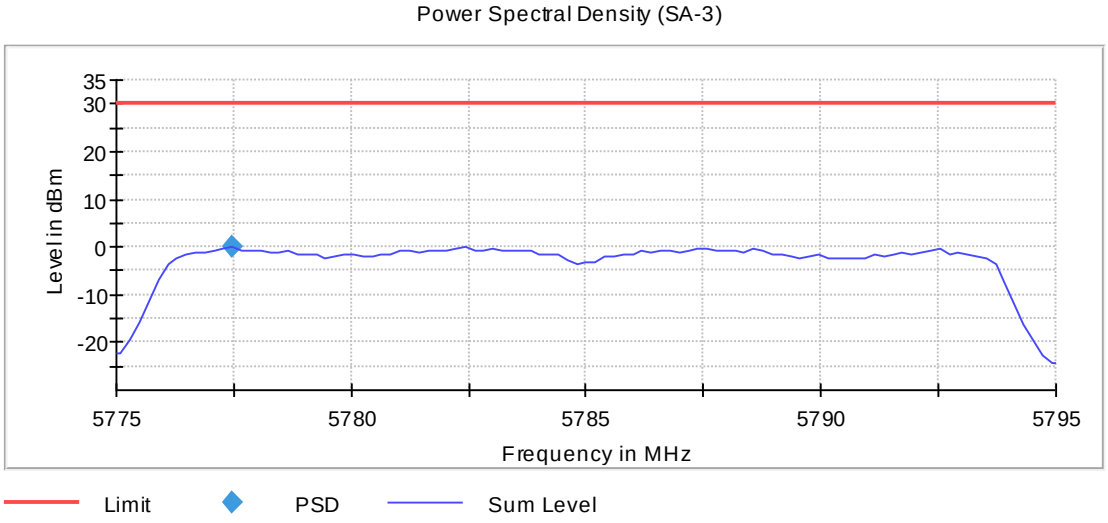


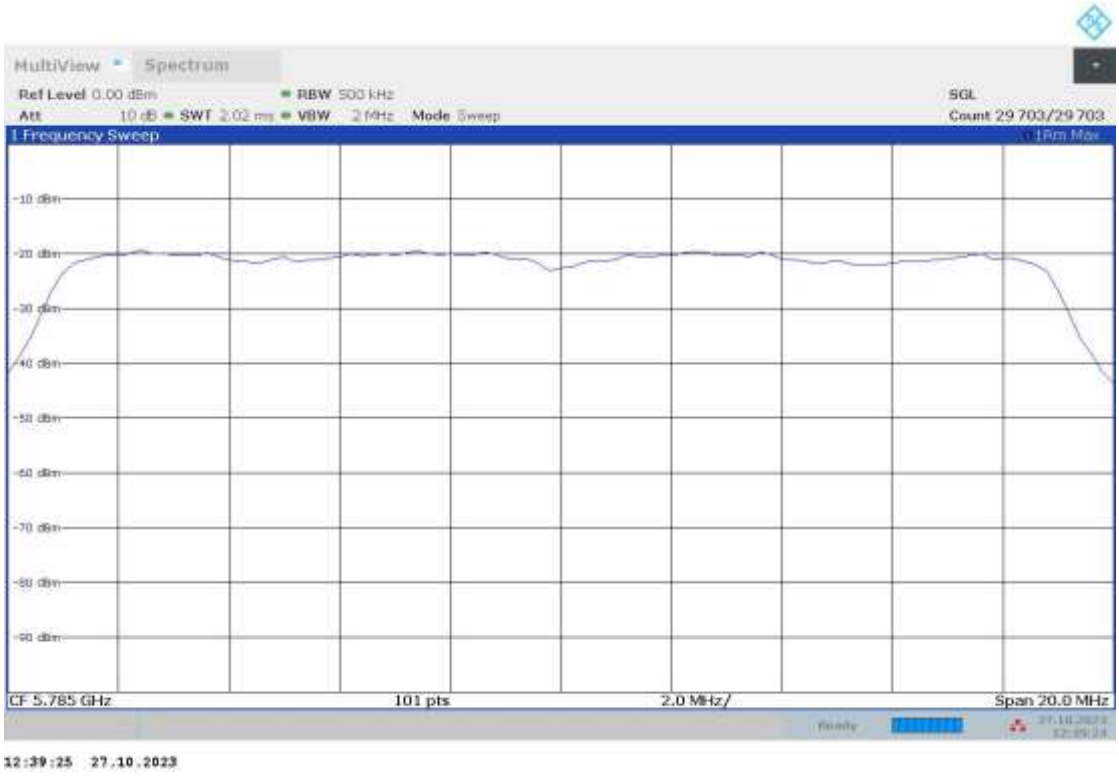


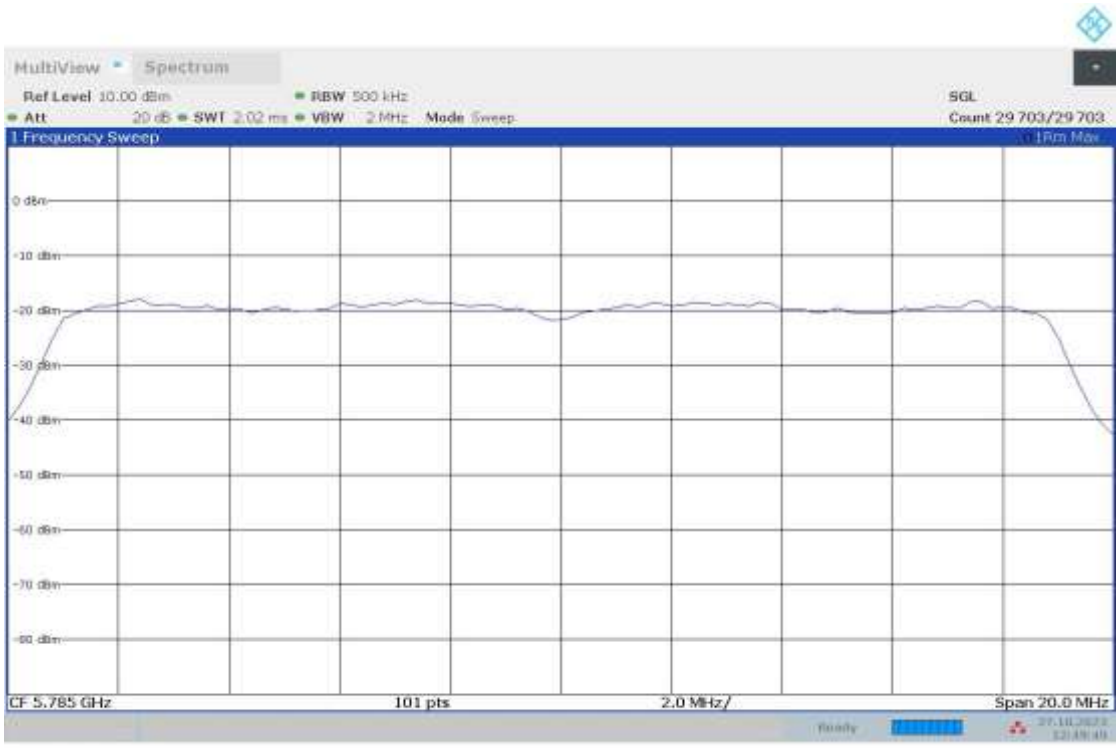

MultiView
Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
SGL
Att 20 dB SWT 2.02 ms VBW 2 MHz Mode Sweep
Count 29 703/29 703
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.745 GHz
101 pts
2.0 MHz/
Span 20.0 MHz
Ready
12:03:44 27.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5785.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

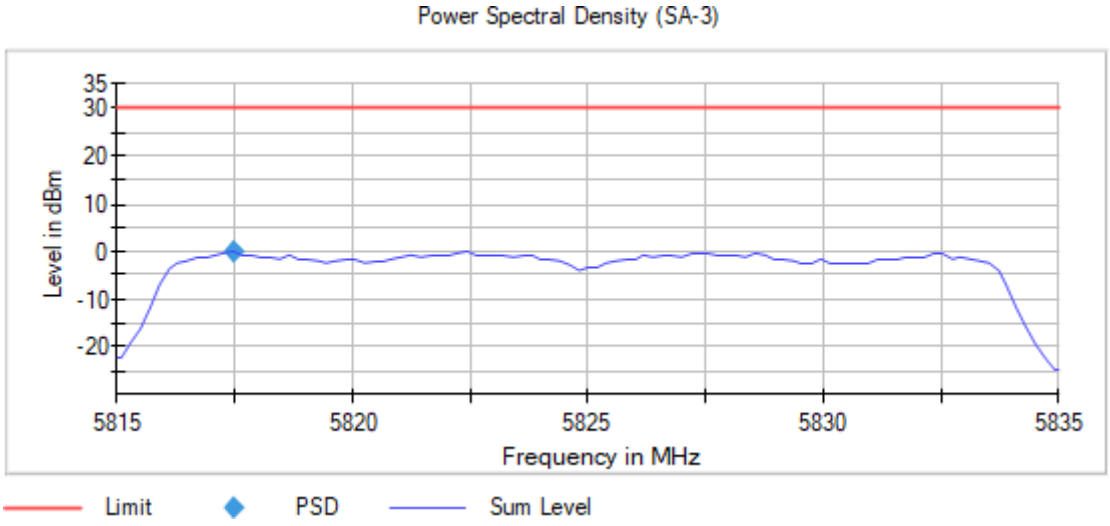


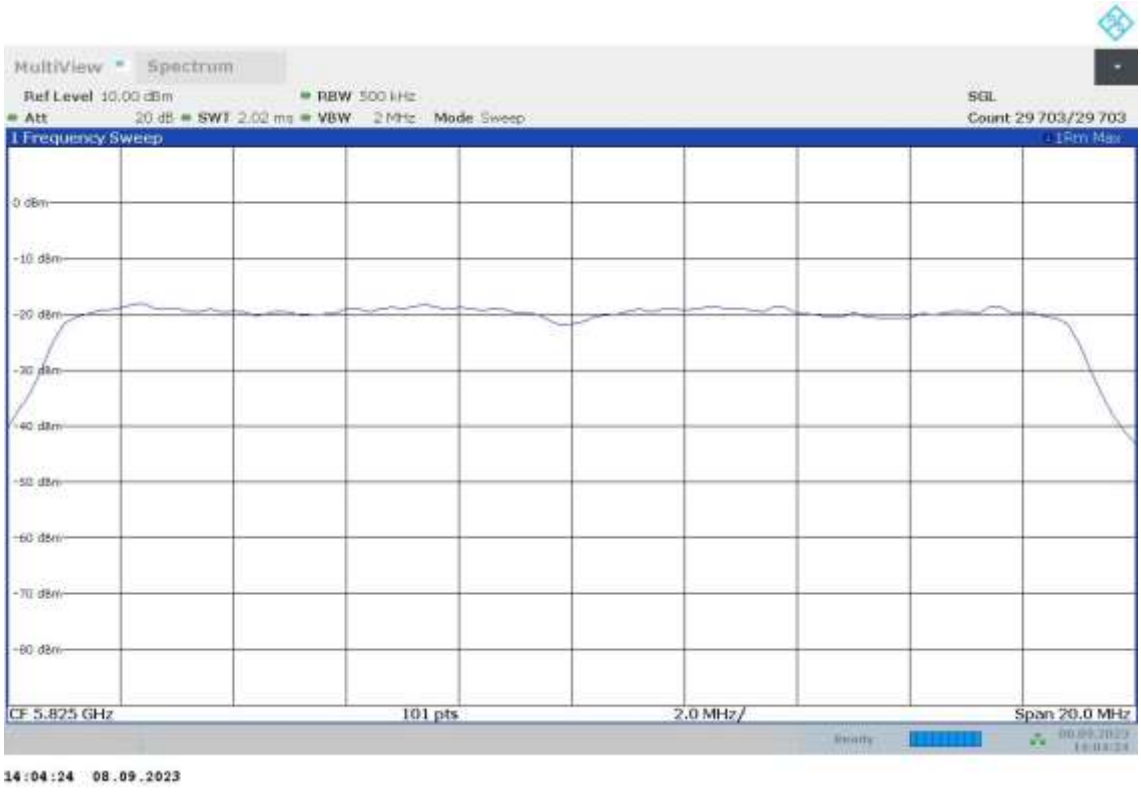


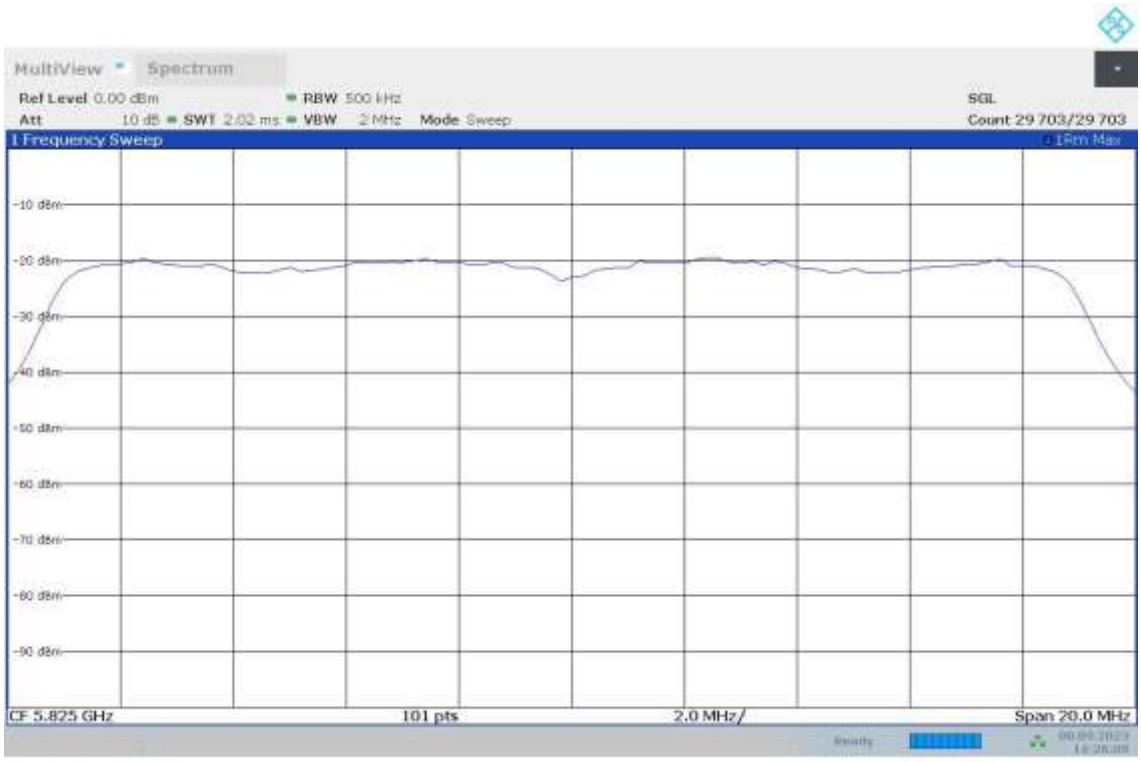

MultiView
Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
SGL
Att 20 dB SWT 2.02 ms VBW 2 MHz Mode Sweep
Count 29 703/29 703
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.785 GHz
101 pts
2.0 MHz/
Span 20.0 MHz
Ready
12:49:49 27.10.2023

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5825.00000	Modulation = 802.11n HT20 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:







14:26:09 08.09.2023

Modulation: 802.11n HT40 (OFDM MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Marker Freq (MHz)	PSD (dBm)
[5150, 5850]	1+2	5190.00000	5194.752475	0.30
		5230.00000	5214.950495	-1.61
		5755.00000	5769.875000	1.73
		5795.00000	5789.875000	1.67

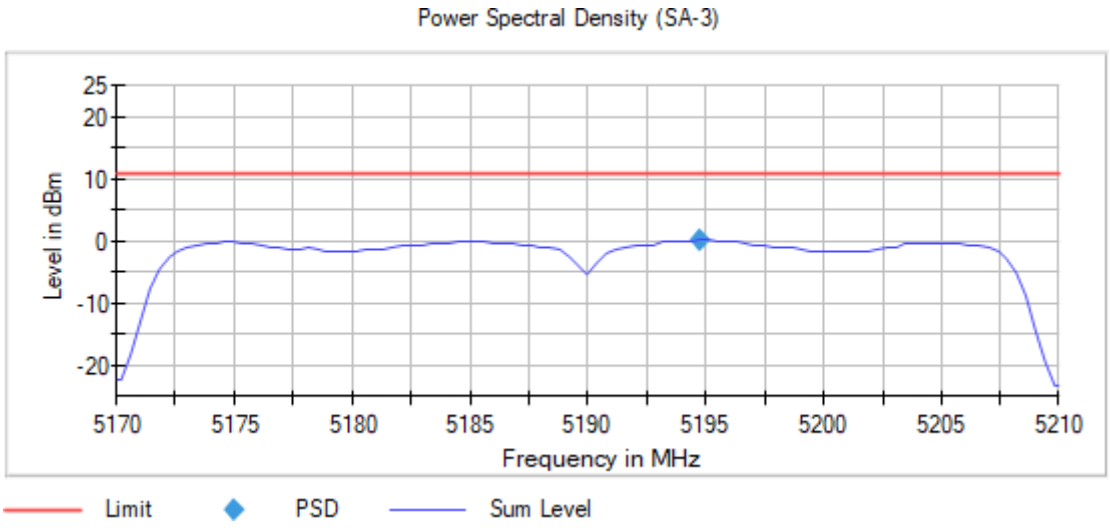
Verdict

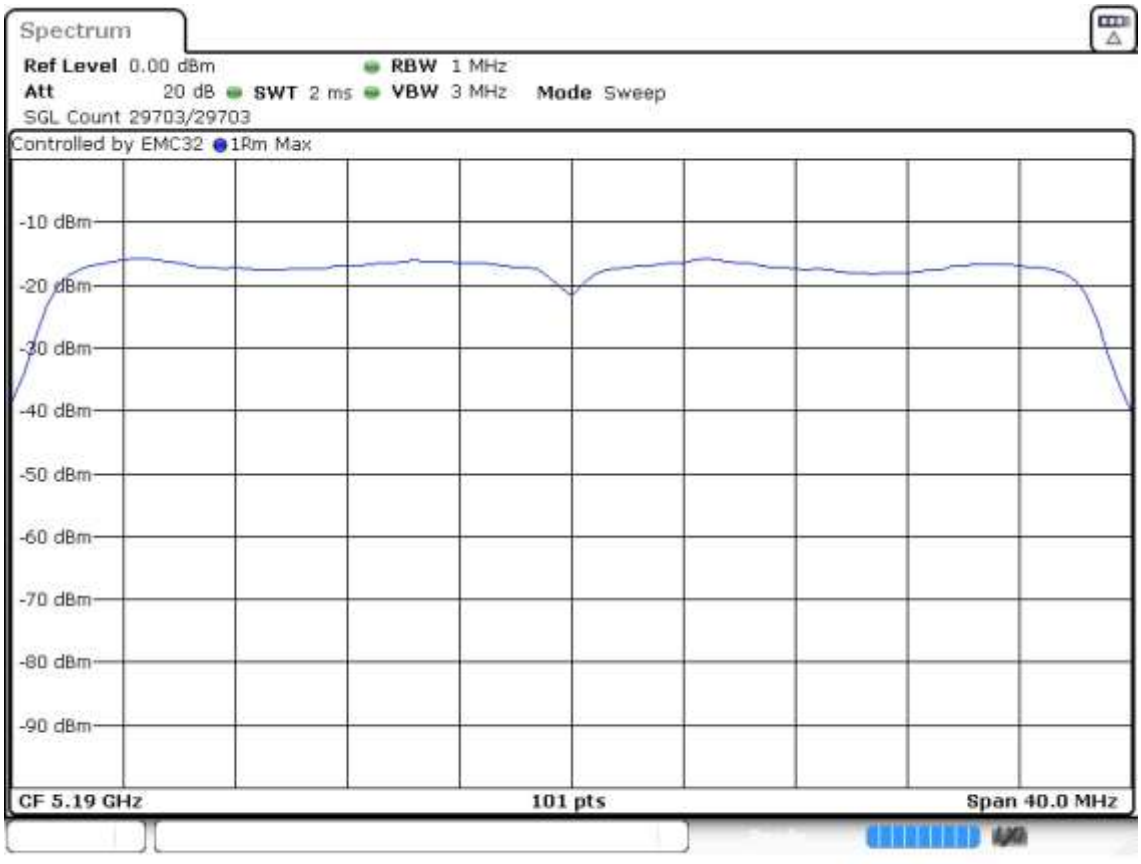
Pass

Attachments

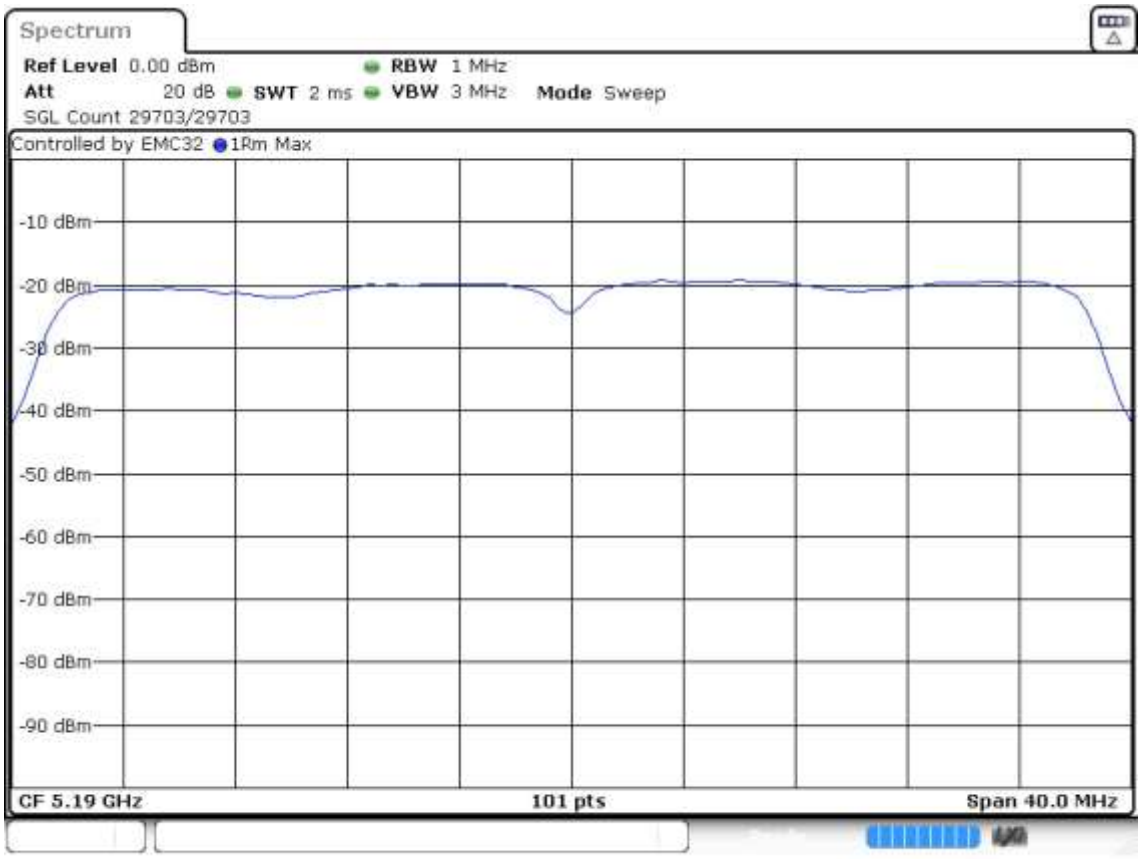
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5190.00000	Modulation = 802.11n HT40 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:





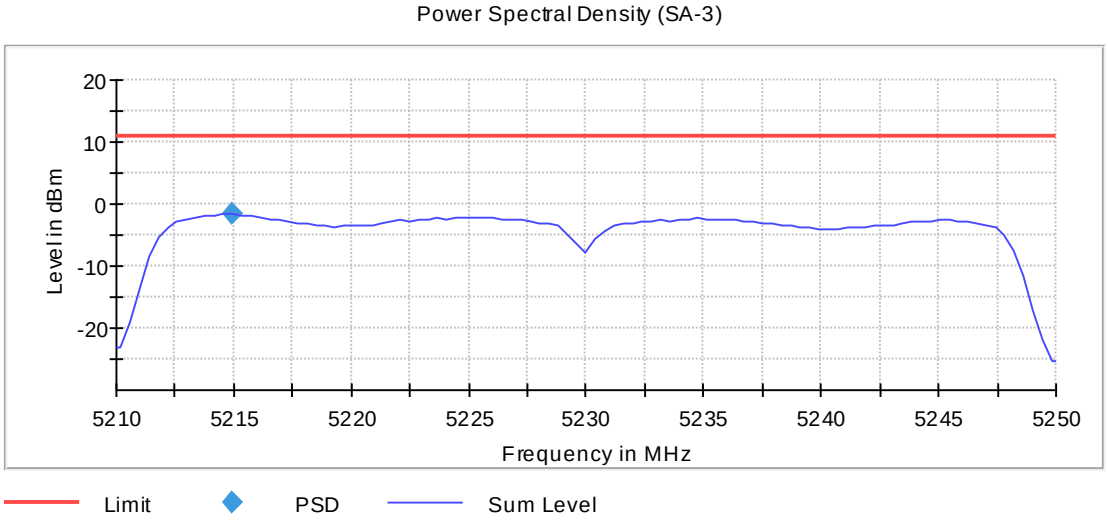
Date: 8.SEP.2023 19:34:57

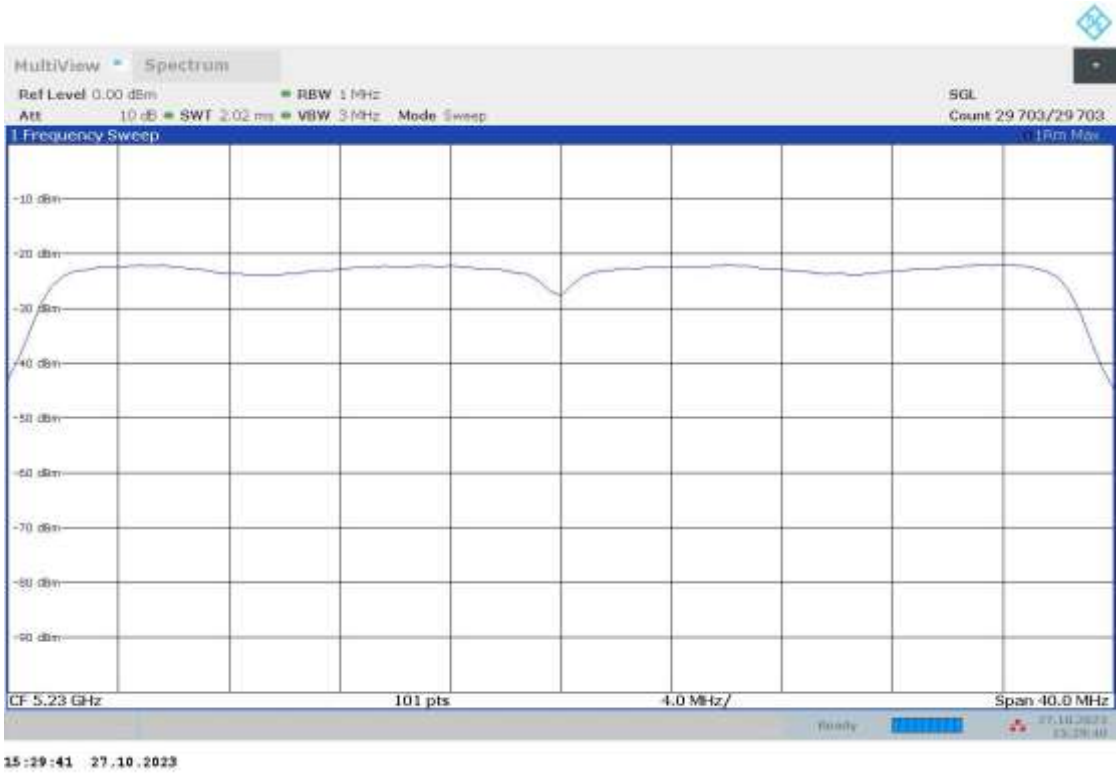


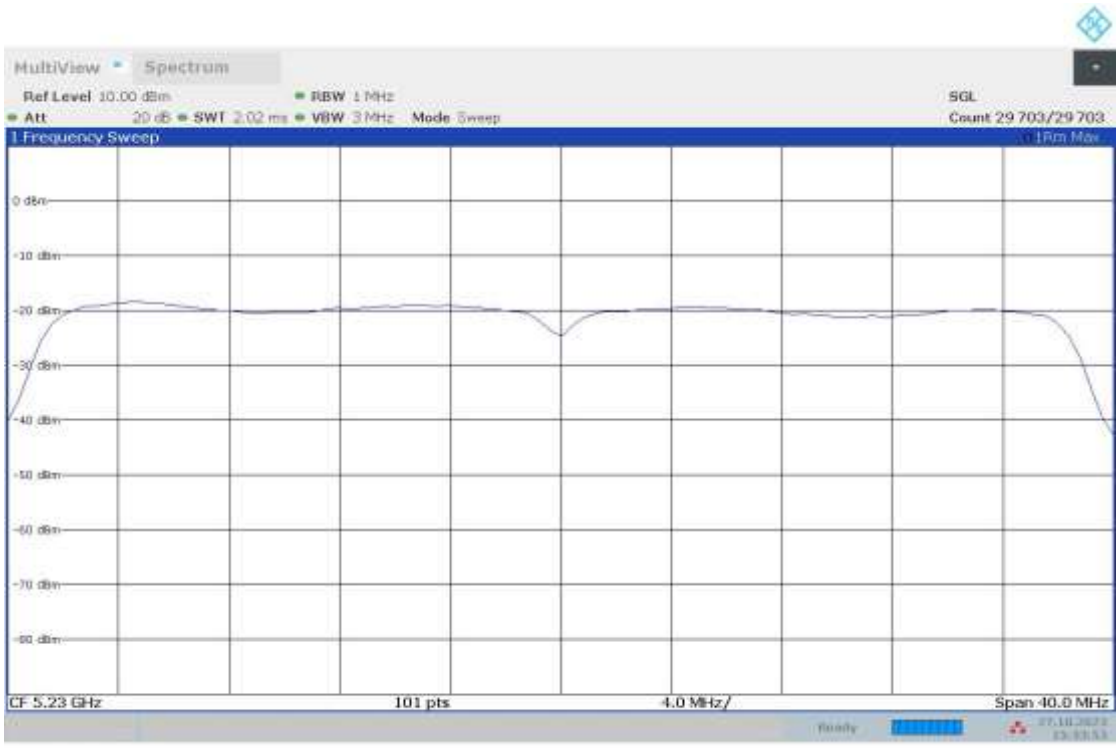
Date: 8.SEP.2023 19:40:27

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5230.00000	Modulation = 802.11n HT40 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:

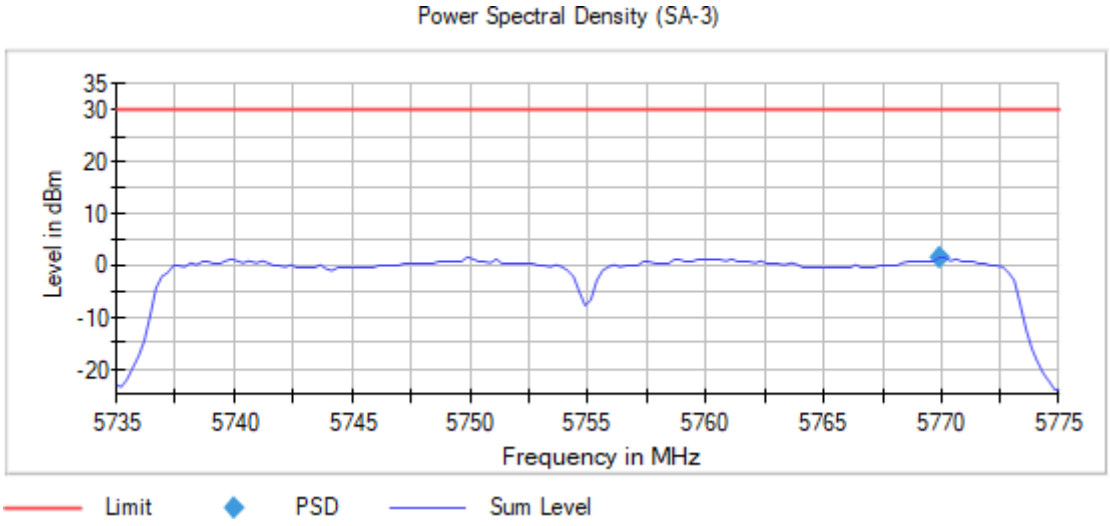


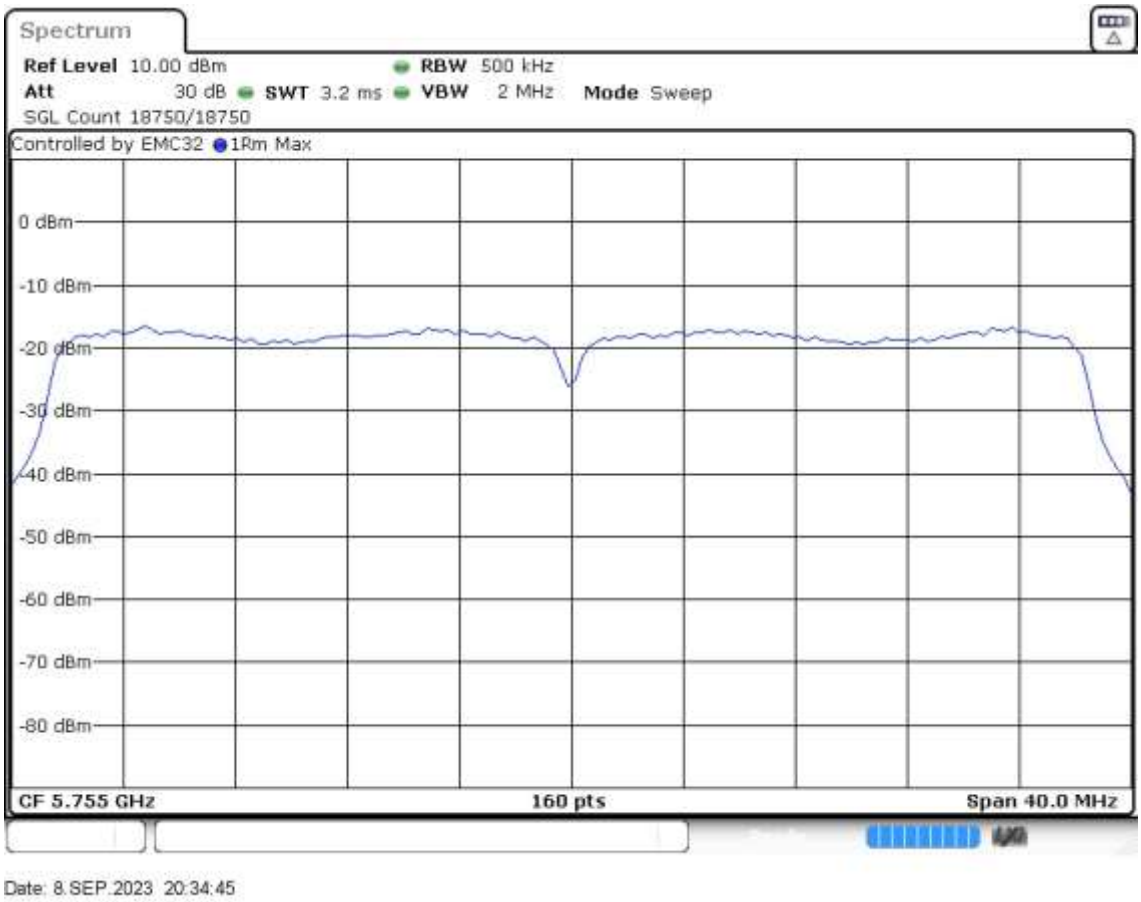



MultiView
Spectrum
Ref Level 10.00 dBm
RBW 1 MHz
SGL
Att 20 dB SWT 2.02 ms VBW 3 MHz Mode Sweep
Count 29 703/29 703
1 Frequency Sweep
1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.23 GHz
101 pts
4.0 MHz/
Span 40.0 MHz
Ready
15:33:54 27.10.2023

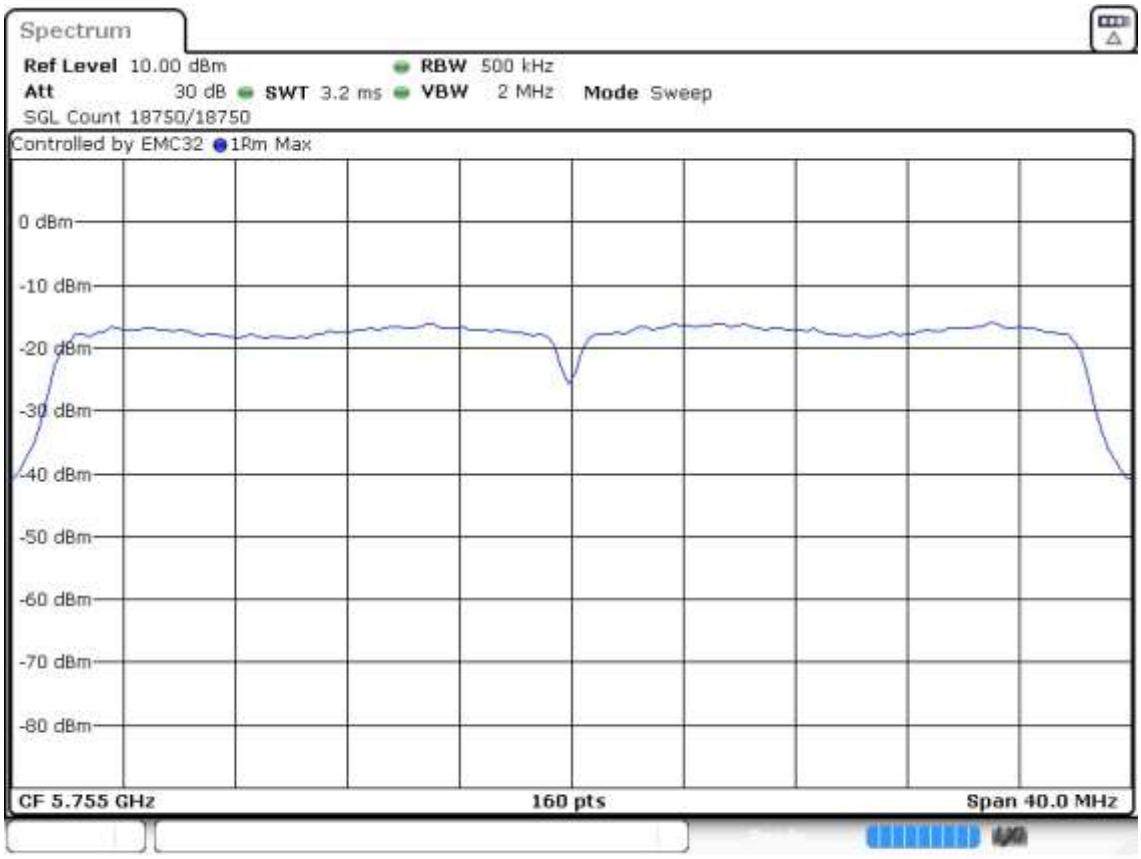
Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5755.00000	Modulation = 802.11n HT40 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:



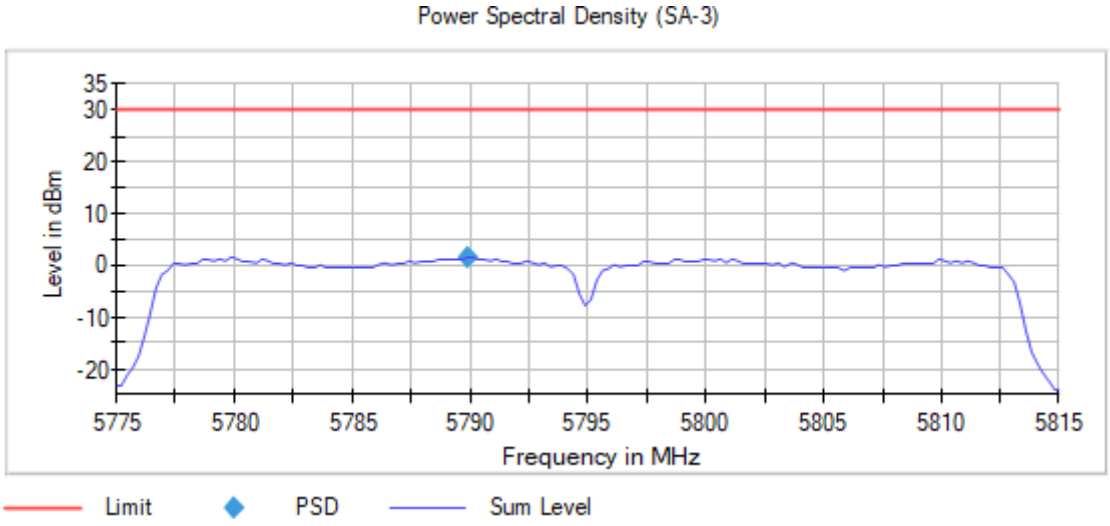


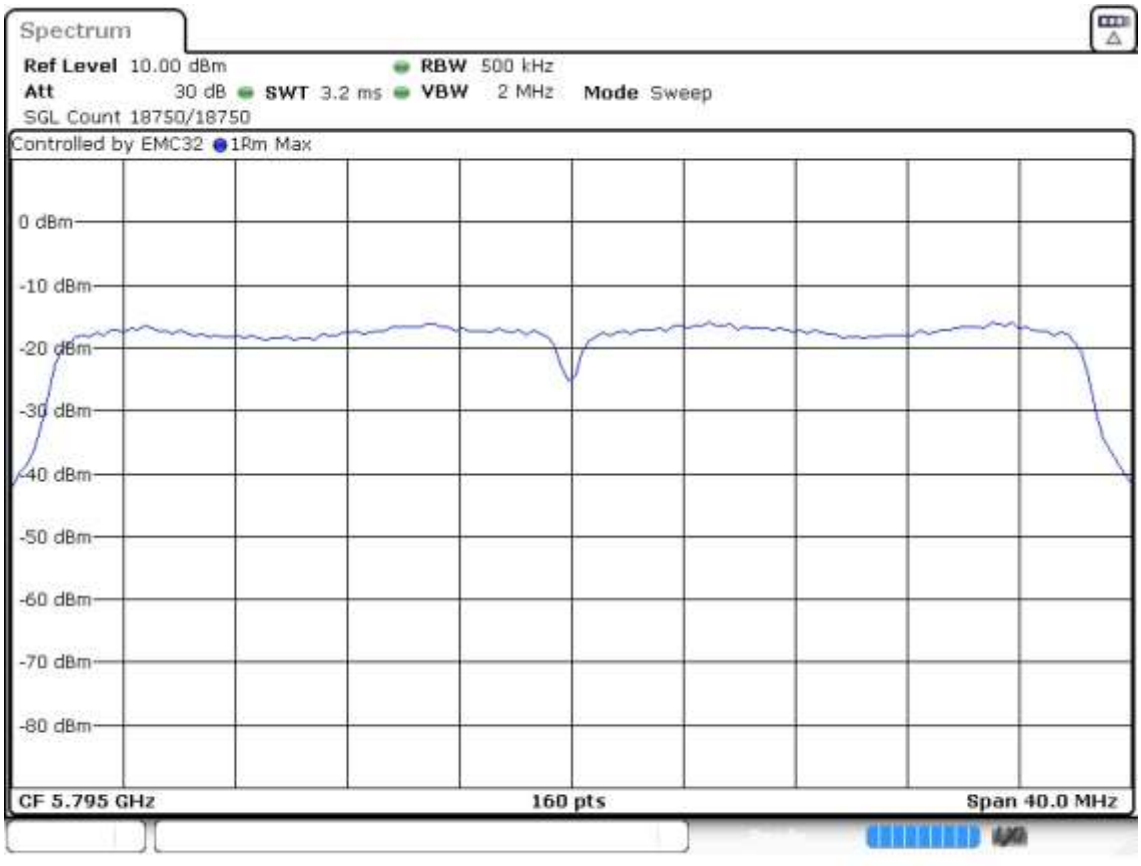
Date: 8.SEP.2023 20:34:45


Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
Att 30 dB SWT 3.2 ms VBW 2 MHz Mode Sweep
SGL Count 18750/18750
Controlled by EMC32 1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.755 GHz
160 pts
Span 40.0 MHz
Date: 8.SEP.2023 20:37:22

Operation Band MHz = [5150, 5850]	Active Port = 1+2
Frequency MHz = 5795.00000	Modulation = 802.11n HT40 (OFDM MCS0)
TPC = No	MIMO Mode = MIMO CCD Mode 2x2

Images:





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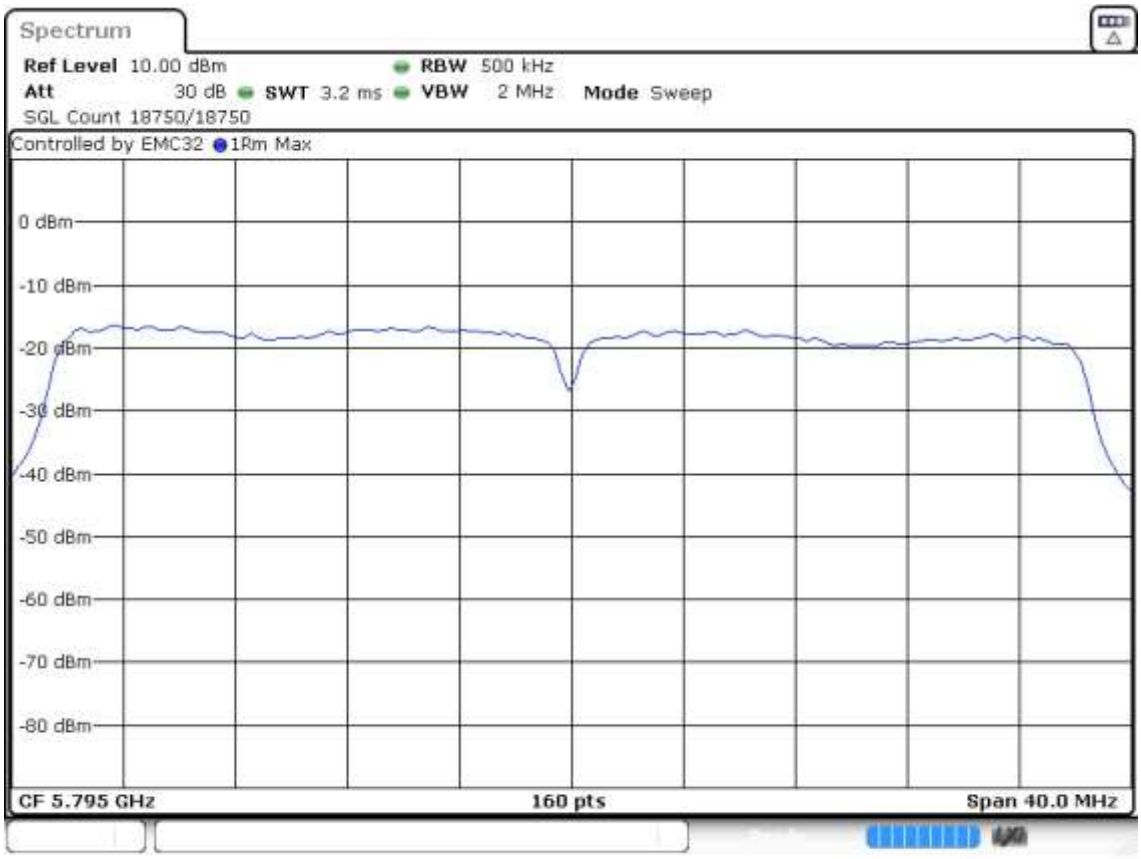

Spectrum
Ref Level 10.00 dBm
RBW 500 kHz
Att 30 dB SWT 3.2 ms VBW 2 MHz Mode Sweep
SGL Count 18750/18750
Controlled by EMC32 1Rm Max
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.795 GHz
160 pts
Span 40.0 MHz
Date: 8.SEP.2023 20:55:49

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

Limits

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

Modulation: 802.11ac VHT20 SS1 (OFDM MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1+2	5745.00000	17.650
		5785.00000	17.650
		5825.00000	17.650

Verdict

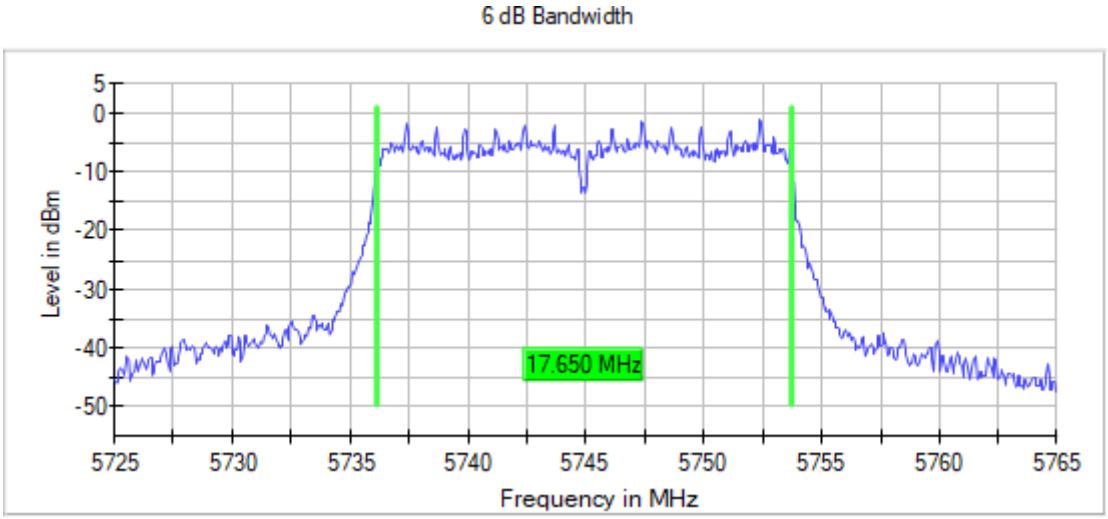
Pass

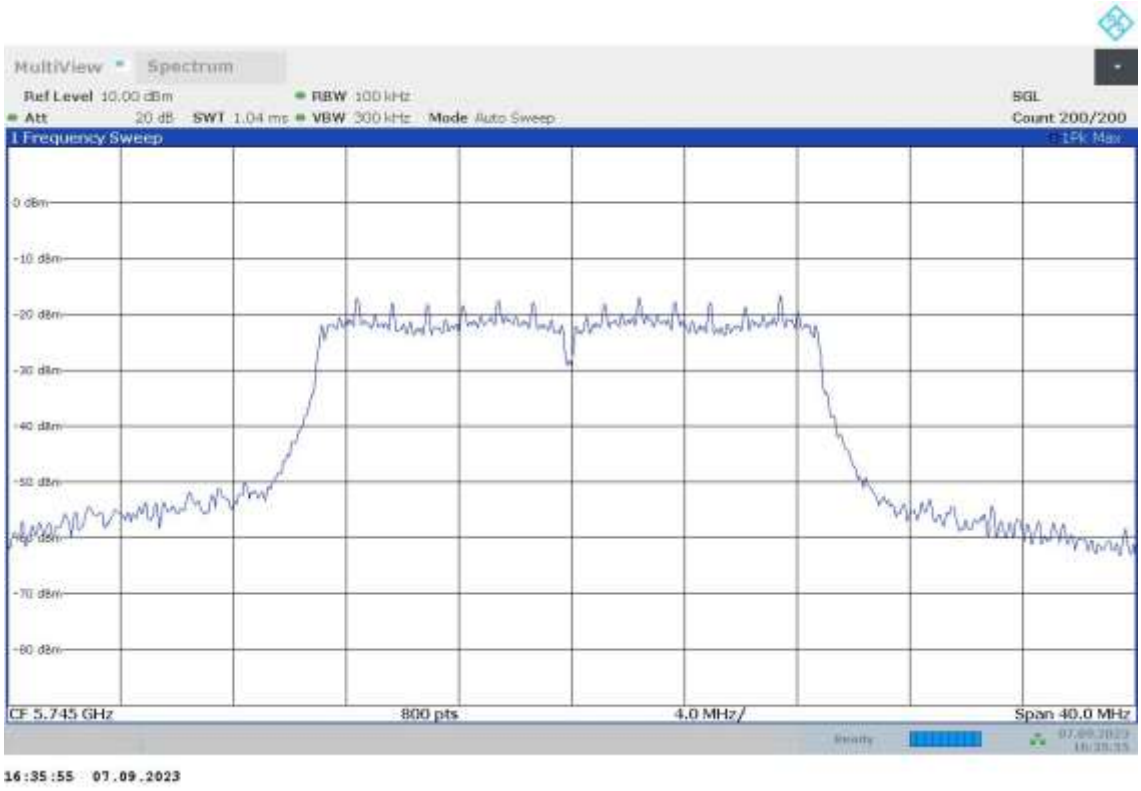
Operation Band MHz = [5150, 5850] Active Port = 1+2

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

MIMO Mode = MIMO CCD Mode 2x2

Images:



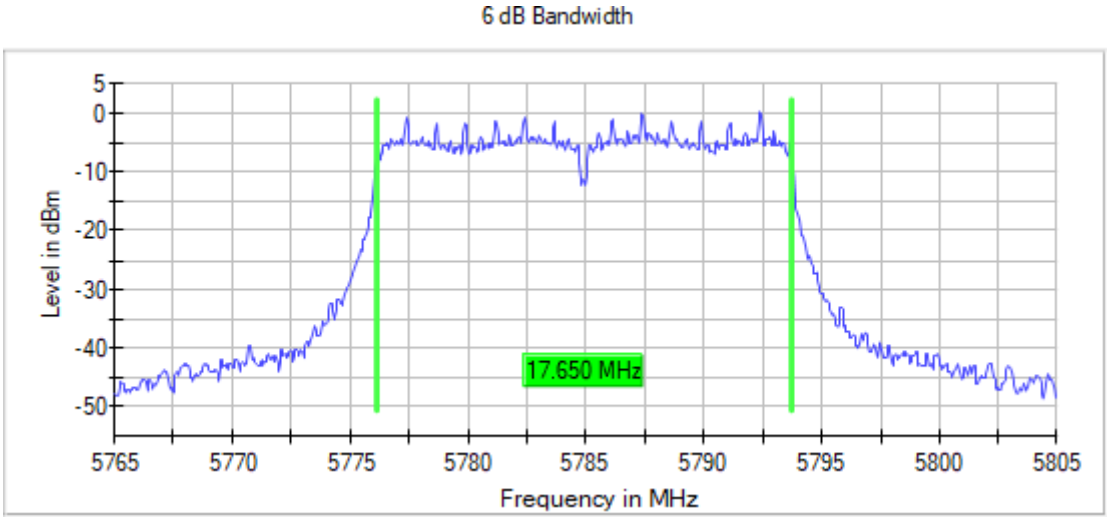


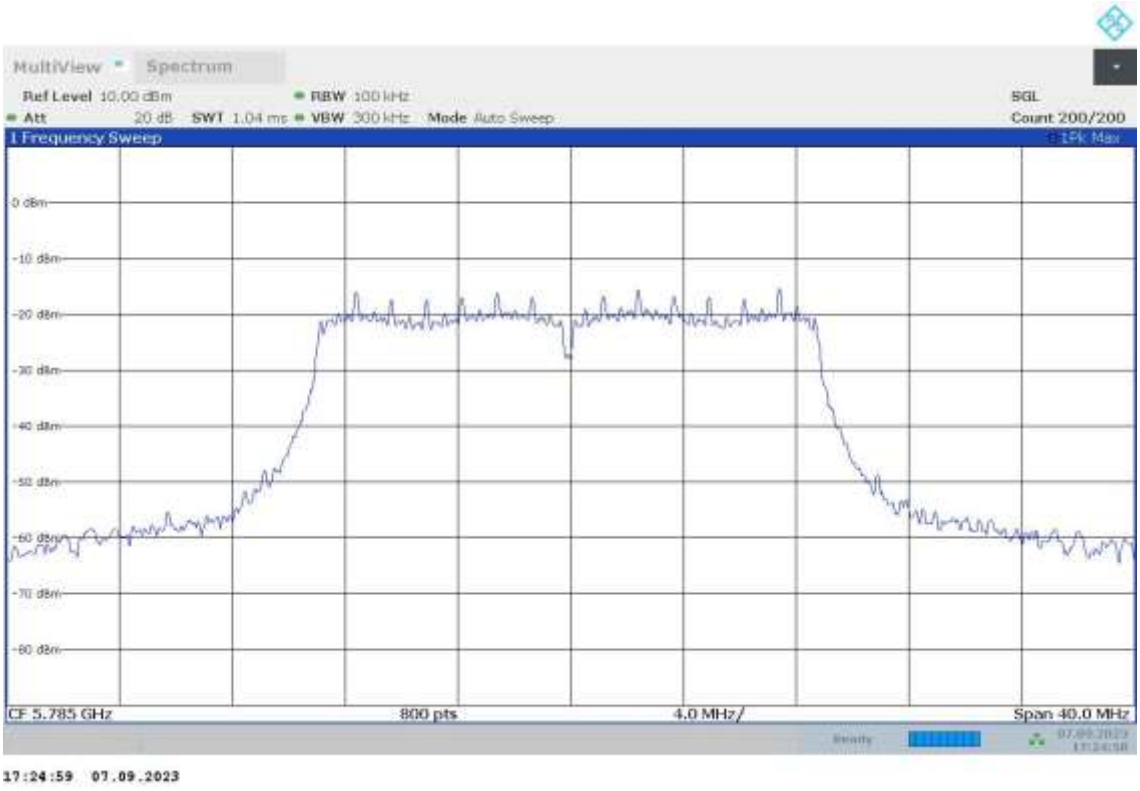
Operation Band MHz = [5150, 5850] Active Port = 1+2

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

MIMO Mode = MIMO CCD Mode 2x2

Images:



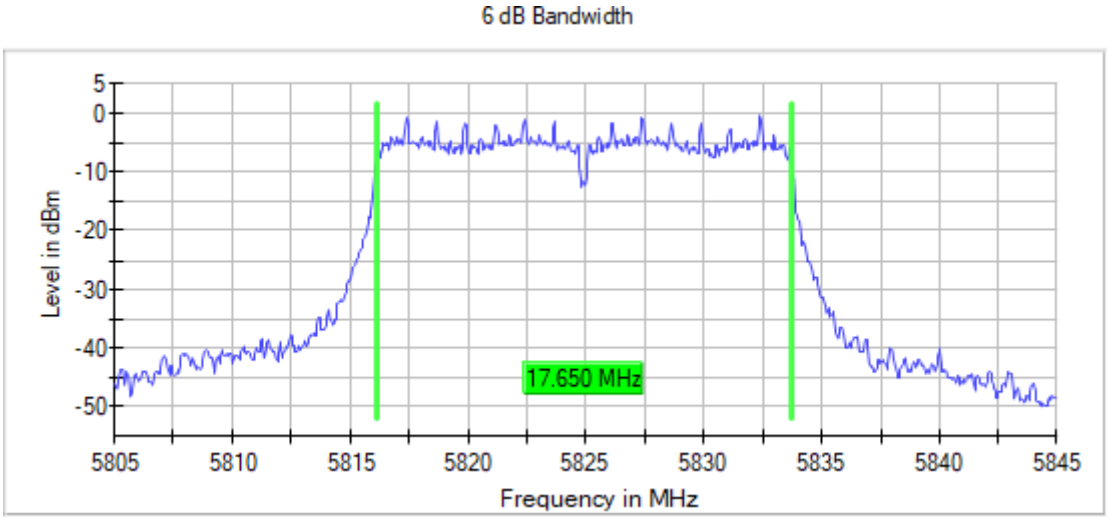


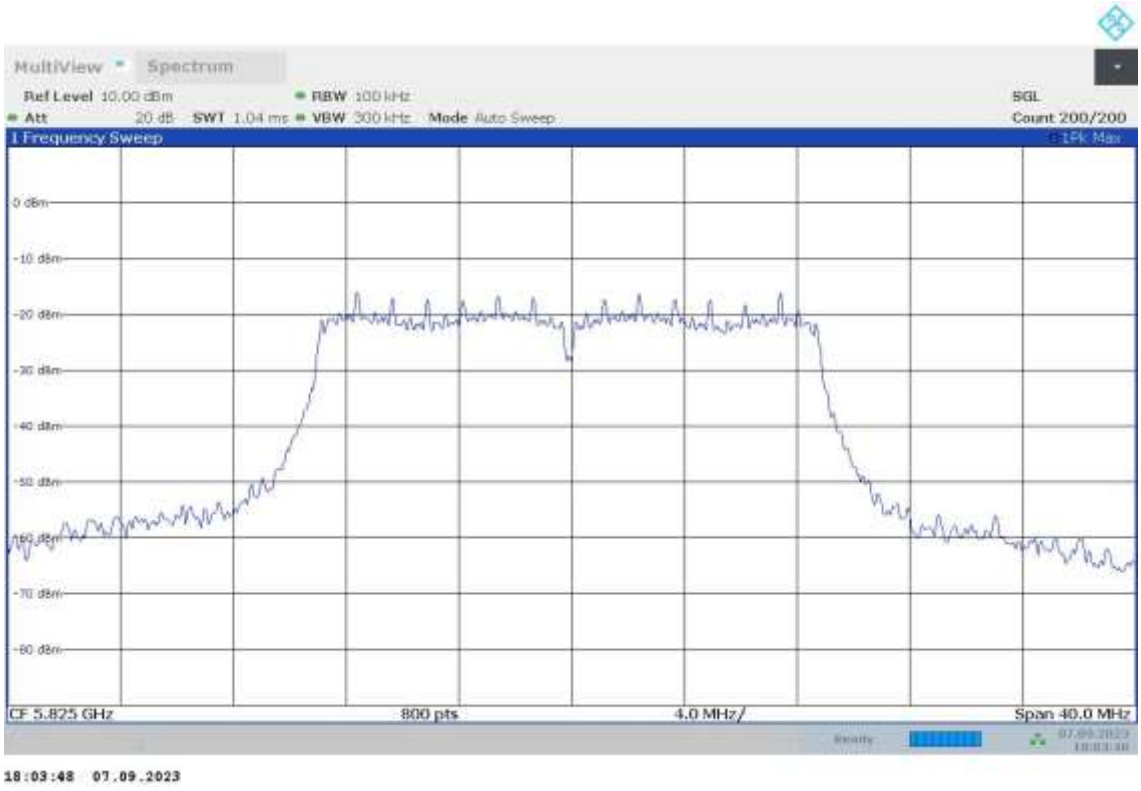
Operation Band MHz = [5150, 5850] Active Port = 1+2

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

MIMO Mode = MIMO CCD Mode 2x2

Images:





Modulation: 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1+2	5745.00000	18.550
		5785.00000	18.350
		5825.00000	18.500

Verdict

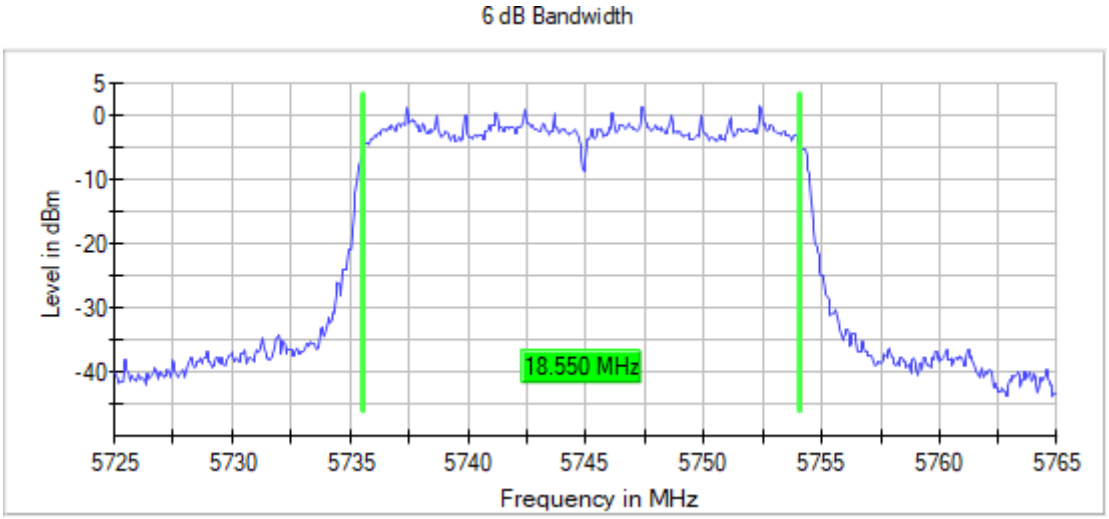
Pass

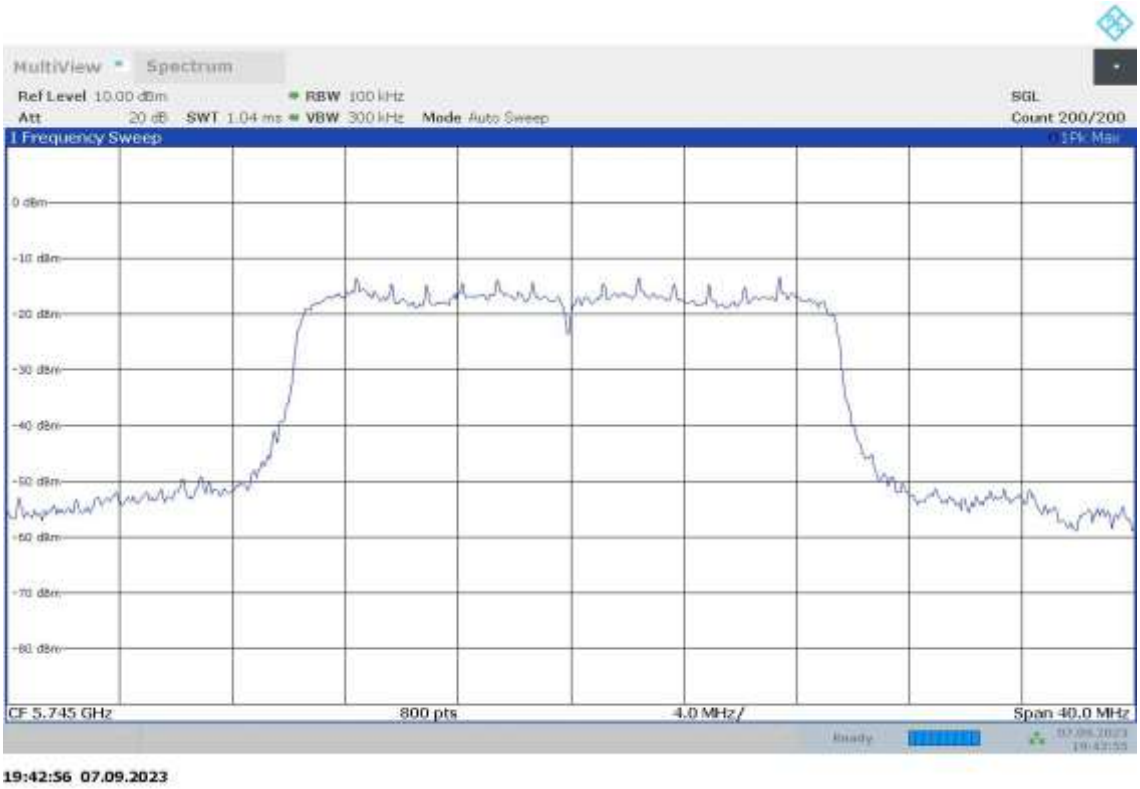
Operation Band MHz = [5150, 5850] Active Port = 1+2

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

MIMO Mode = MIMO CCD Mode 2x2

Images:



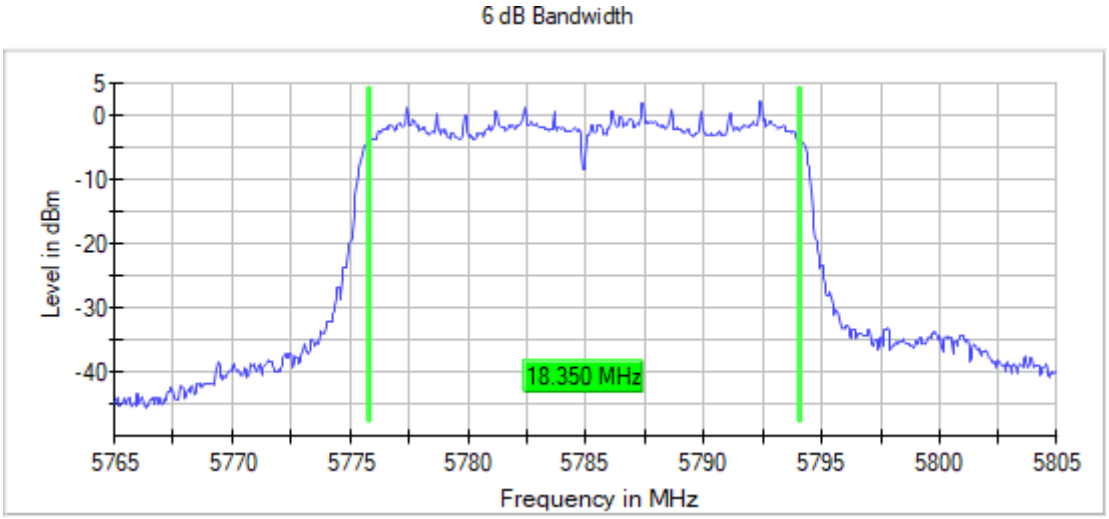


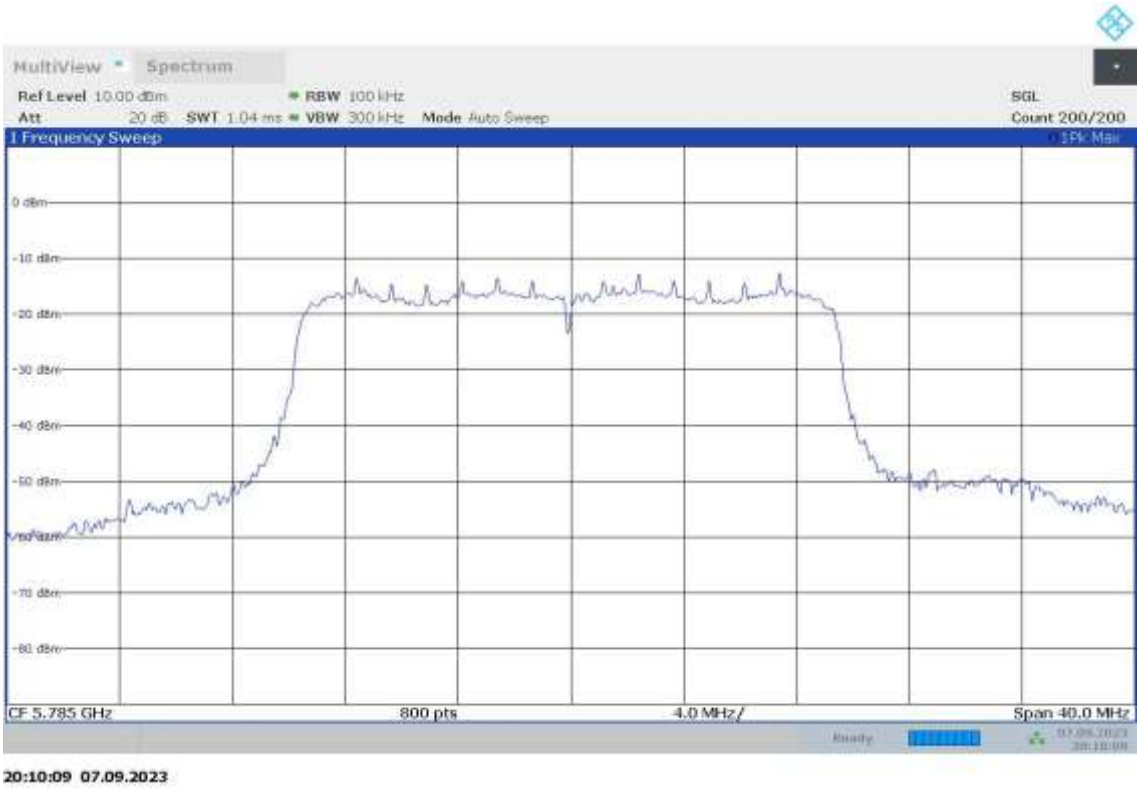
Operation Band MHz = [5150, 5850] Active Port = 1+2

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

MIMO Mode = MIMO CCD Mode 2x2

Images:



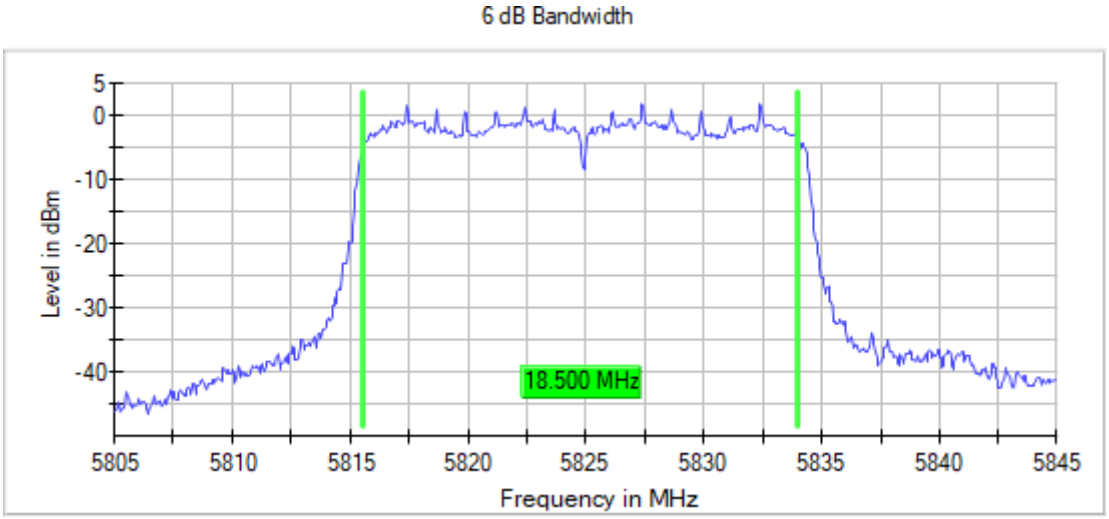


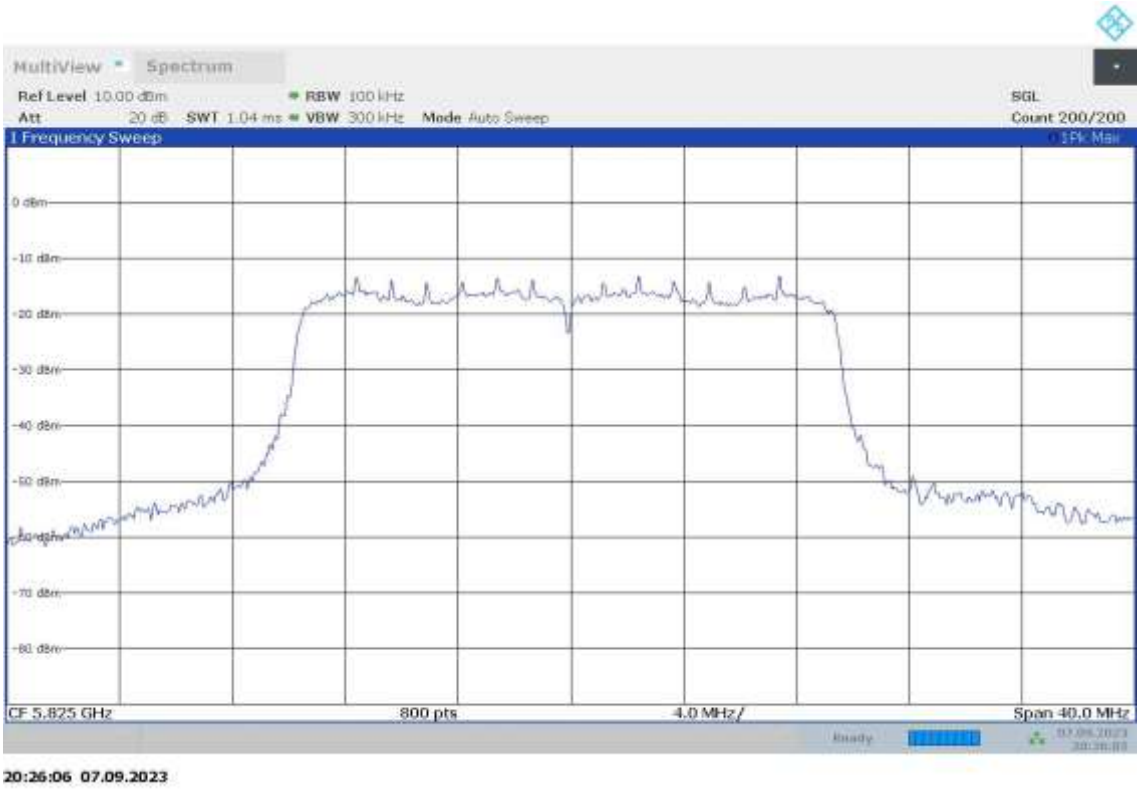
Operation Band MHz = [5150, 5850] Active Port = 1+2

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

MIMO Mode = MIMO CCD Mode 2x2

Images:





Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode: MIMO CCD Mode 2x2

Results

Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1+2	5755.00000	35.750
		5795.00000	35.250

Verdict

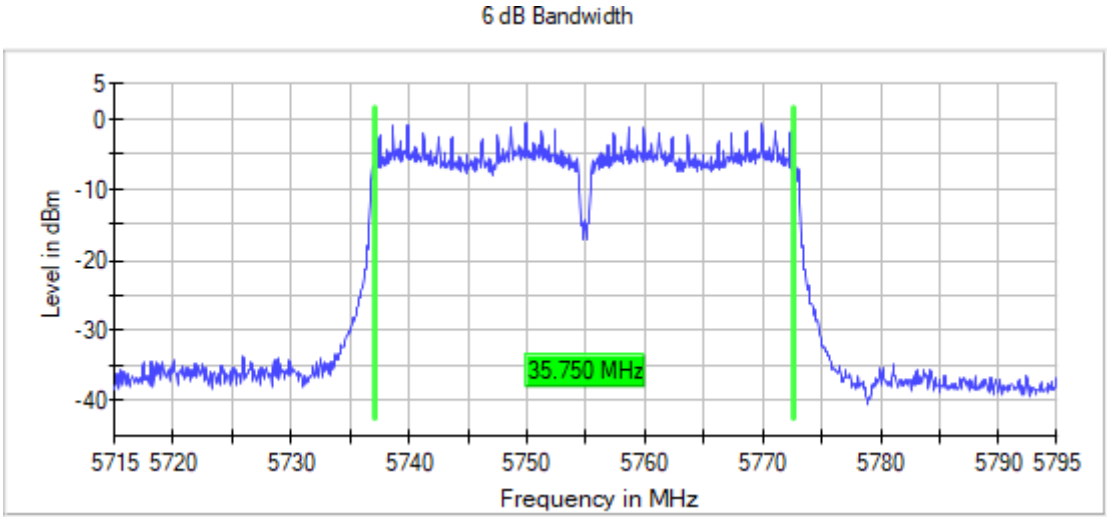
Pass

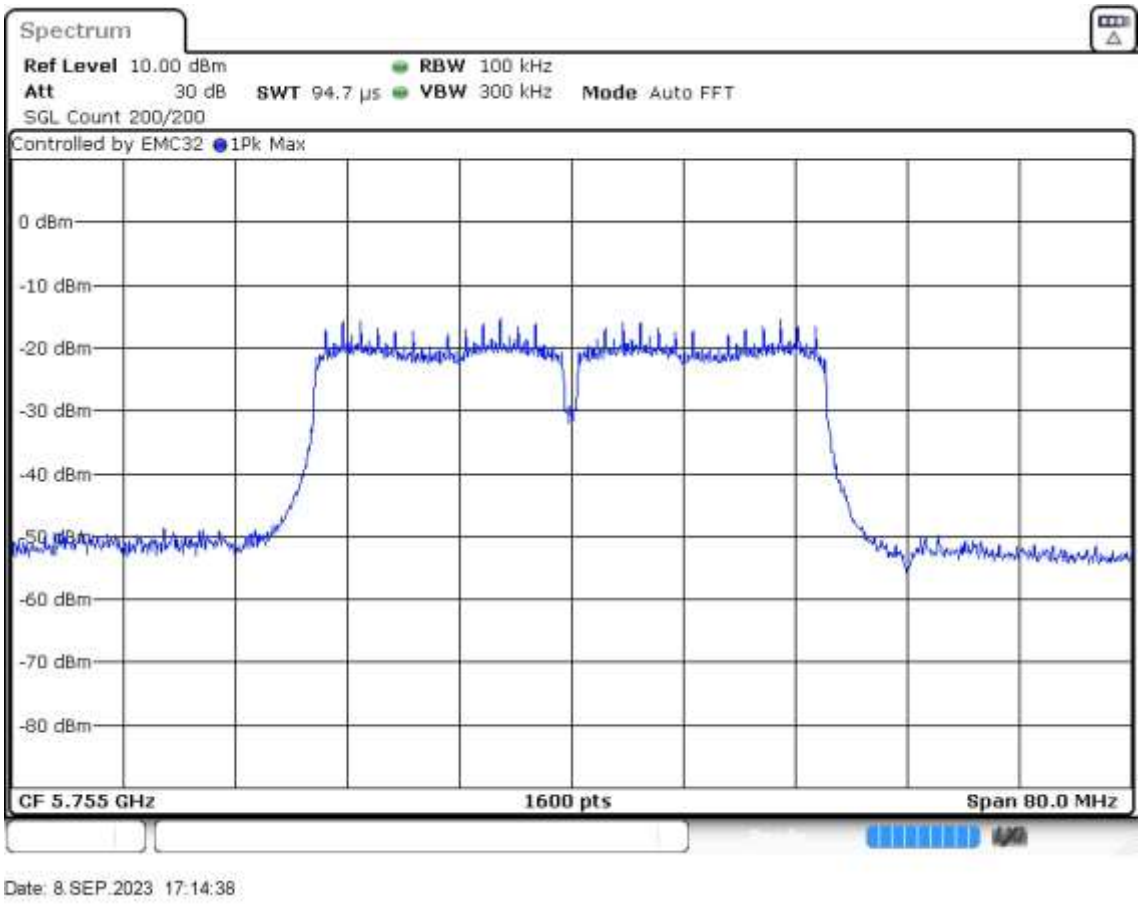
Operation Band MHz = [5150, 5850] Active Port = 1+2

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

MIMO Mode = MIMO CCD Mode 2x2

Images:





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