

**Attachments**

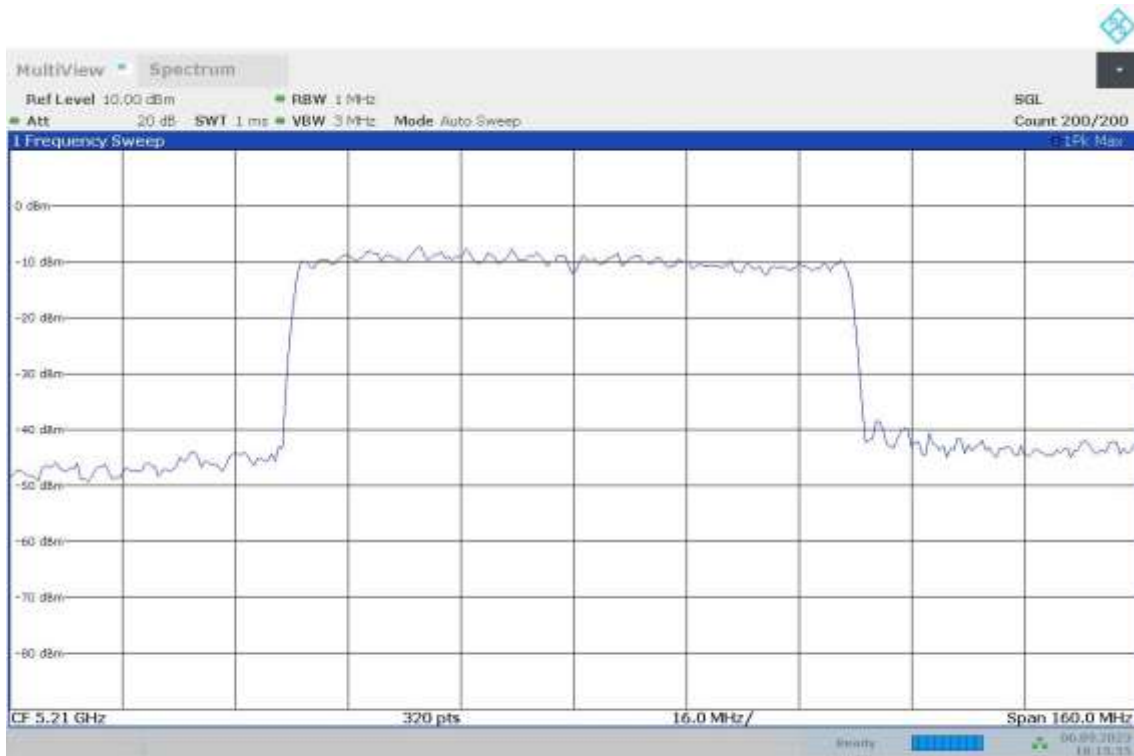
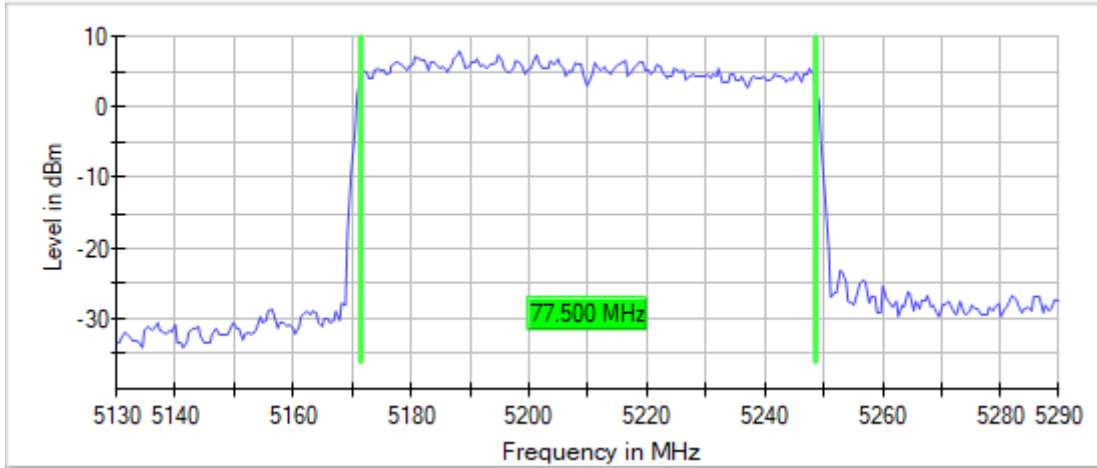
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

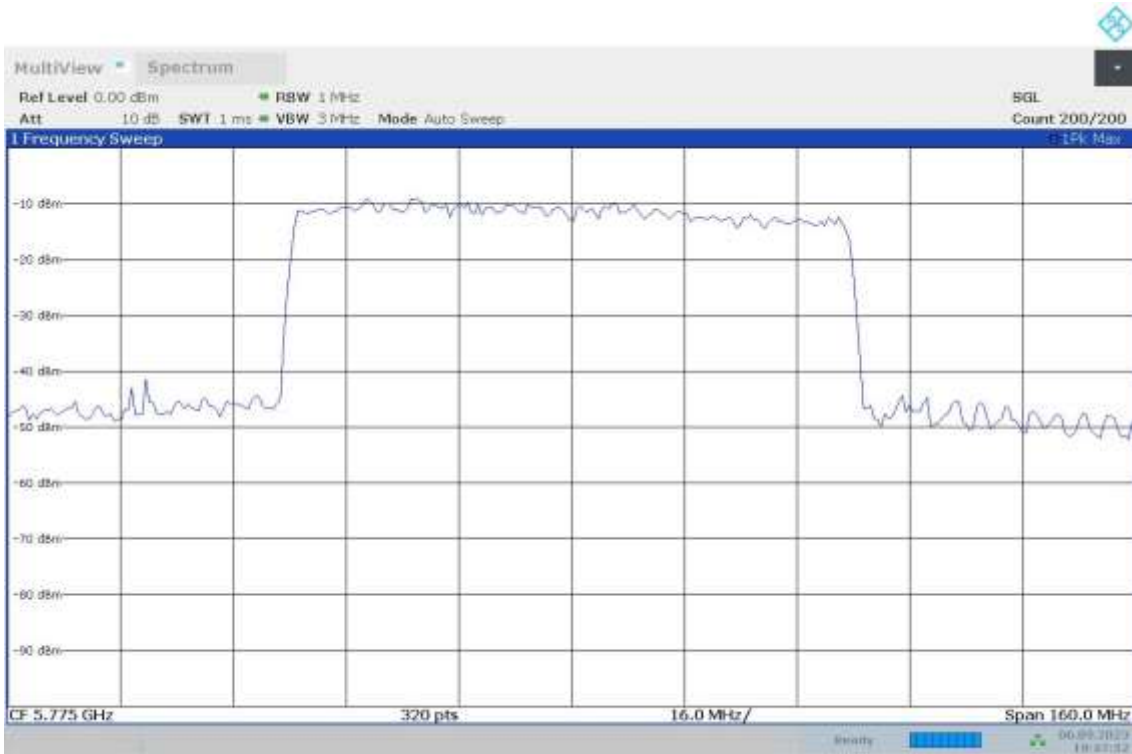
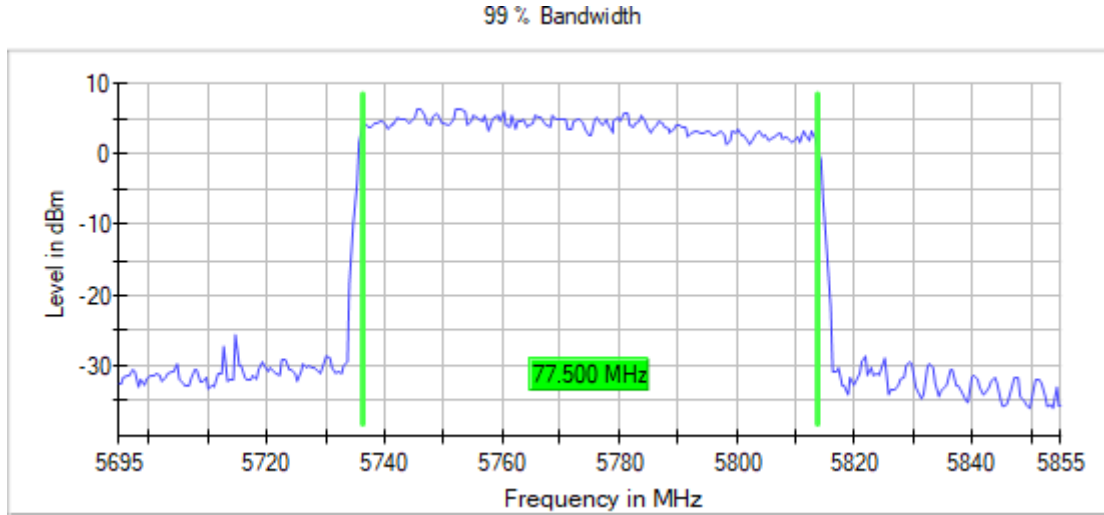
99 % Bandwidth



18:15:56 06.09.2023

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

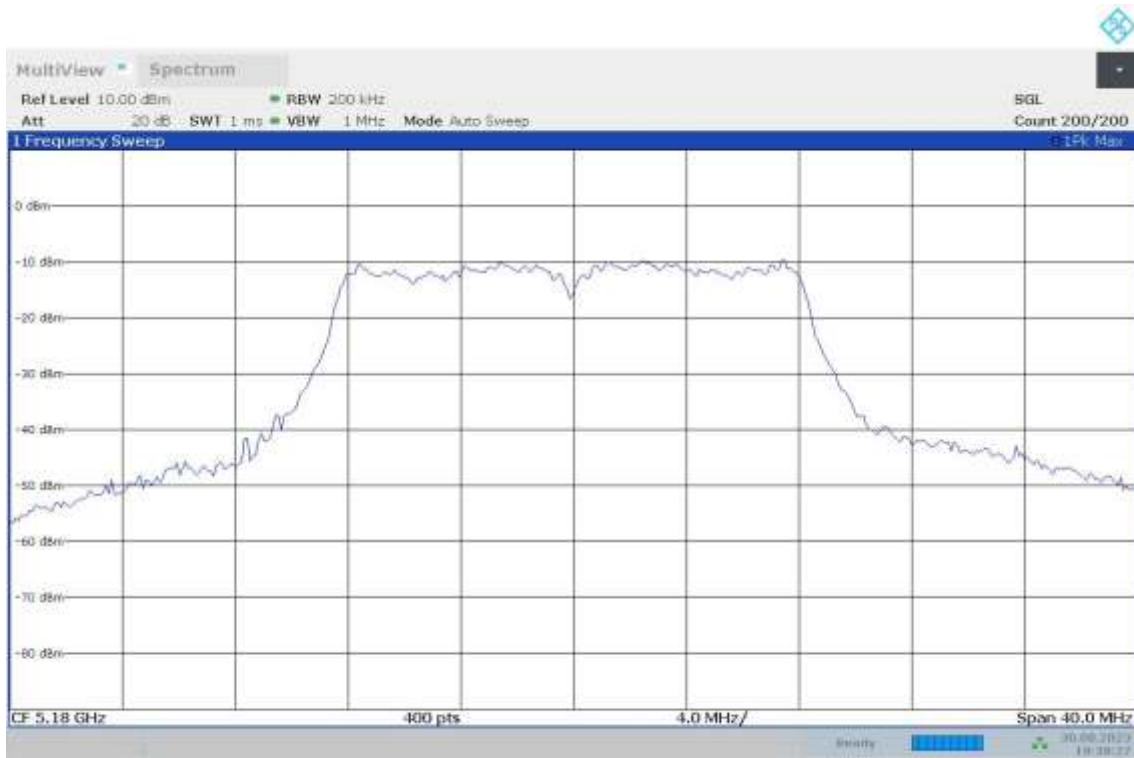
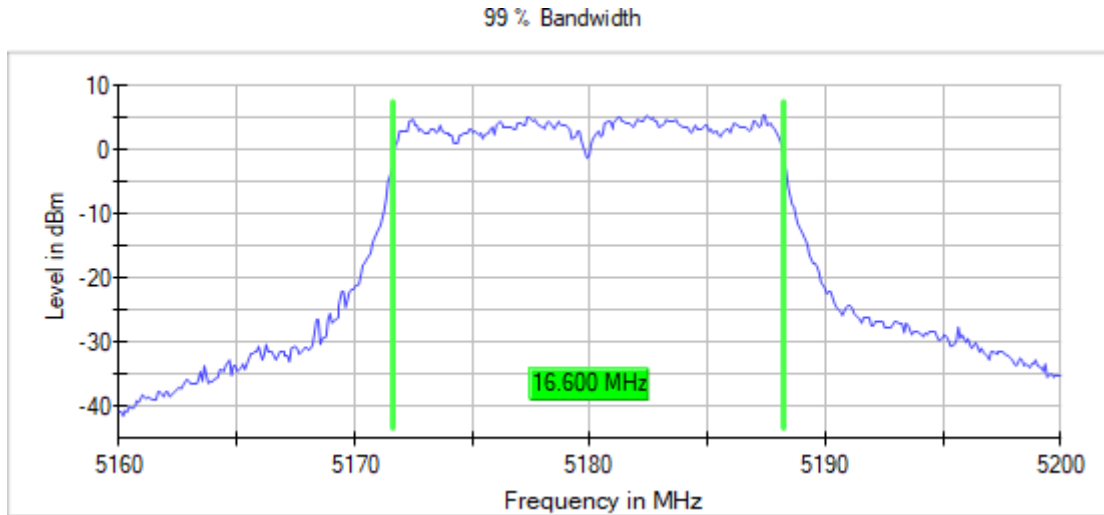
**Verdict**

Pass

**Attachments**

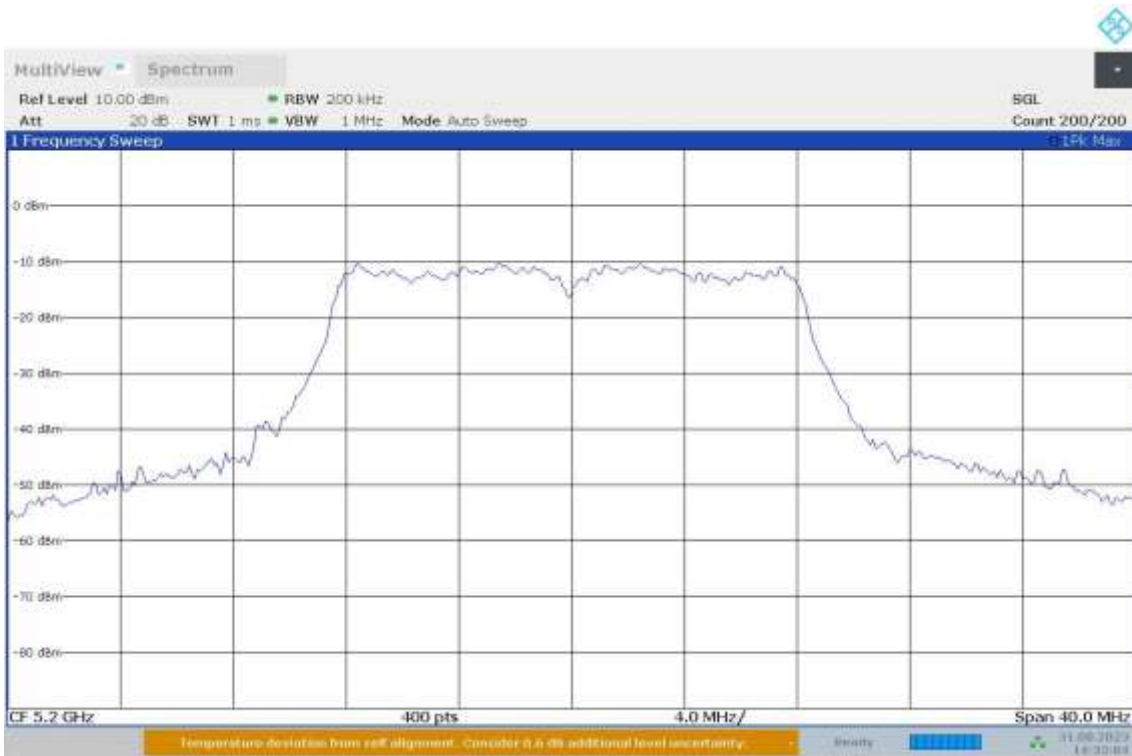
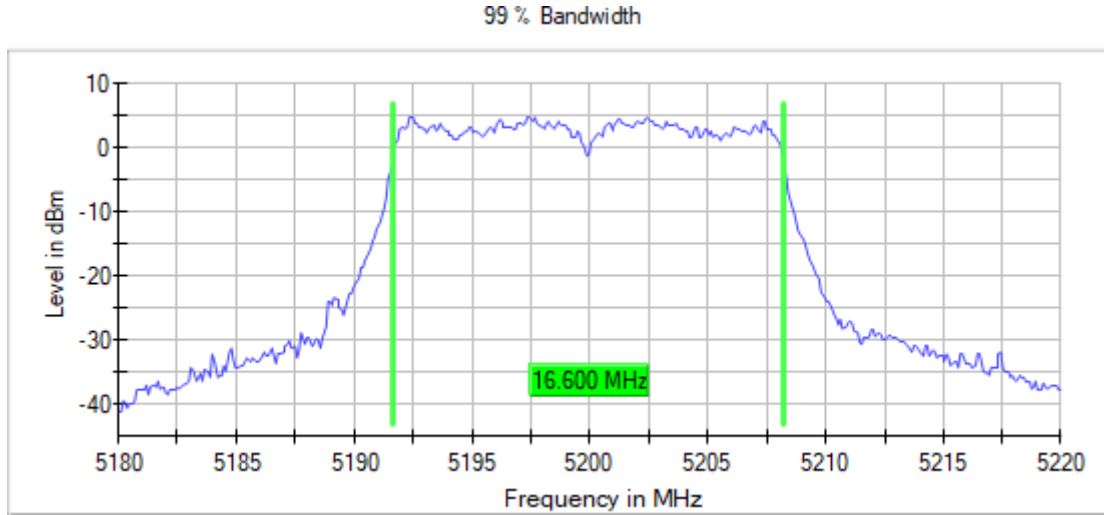
Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5180.00000    Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

**Images:**



Operation Band MHz = [5150, 5850] Active Port = 1  
Frequency MHz = 5200.00000 Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

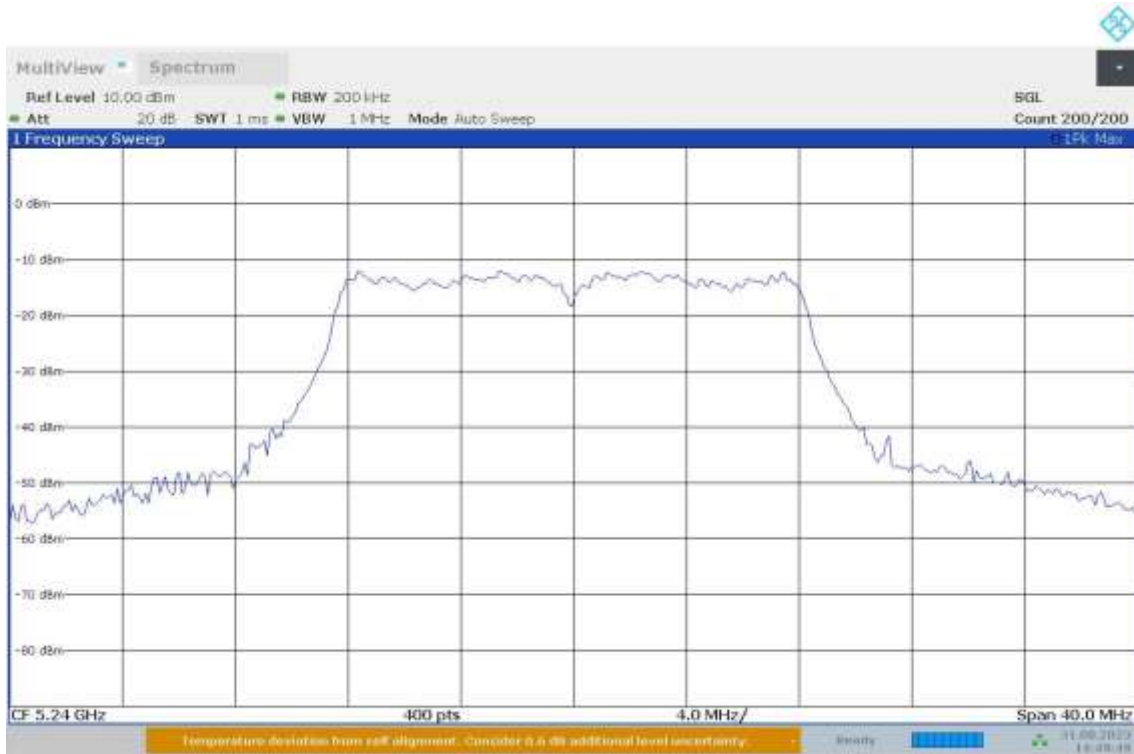
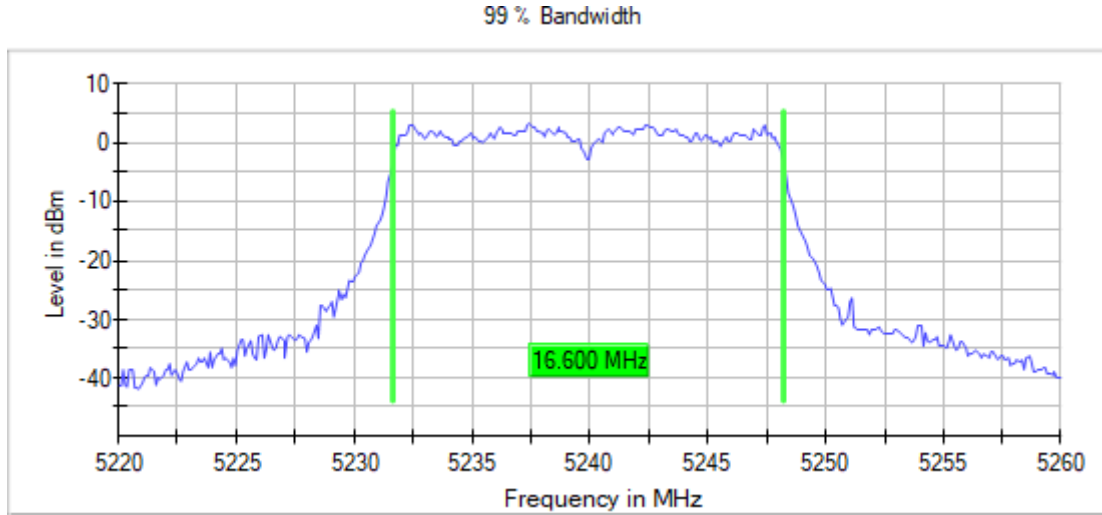
Images:



14:32:04 31.08.2023

Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5240.00000    Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

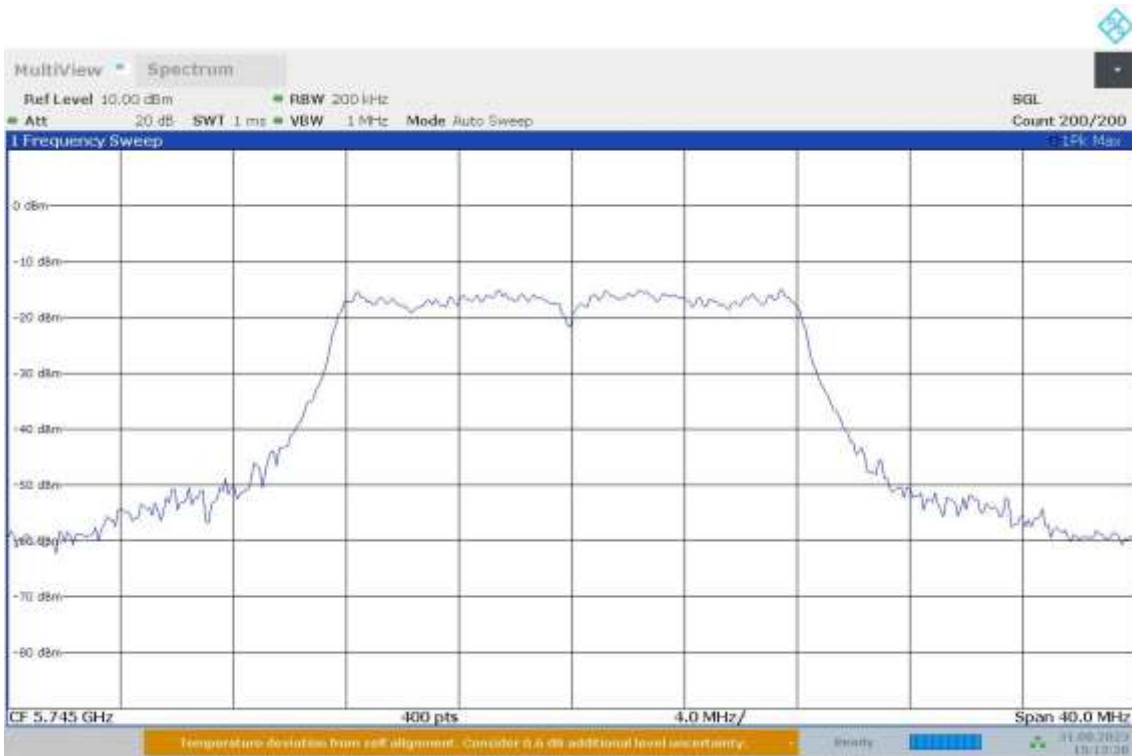
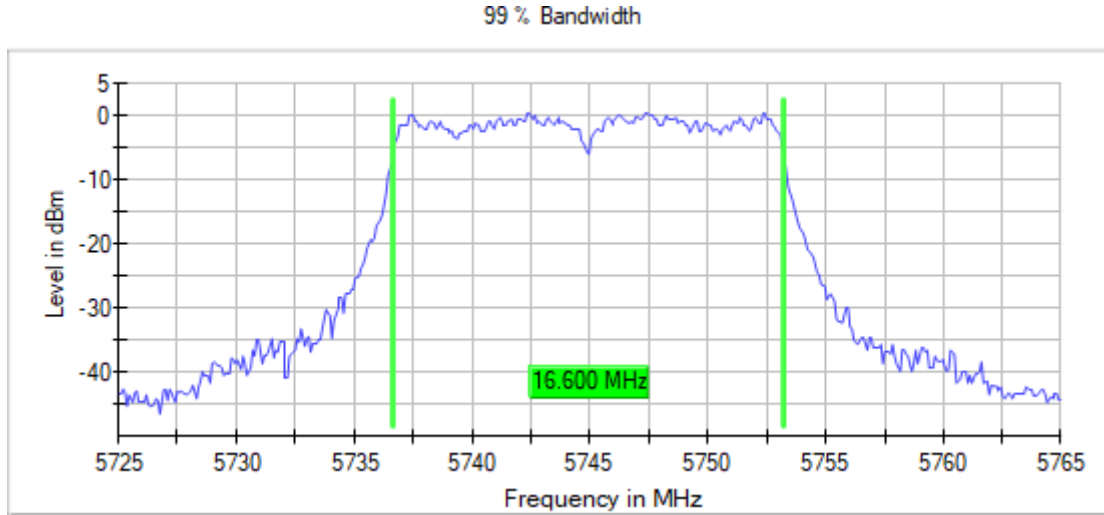
Images:



14:49:50 31.08.2023

Operation Band MHz = [5150, 5850] Active Port = 1  
Frequency MHz = 5745.00000 Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

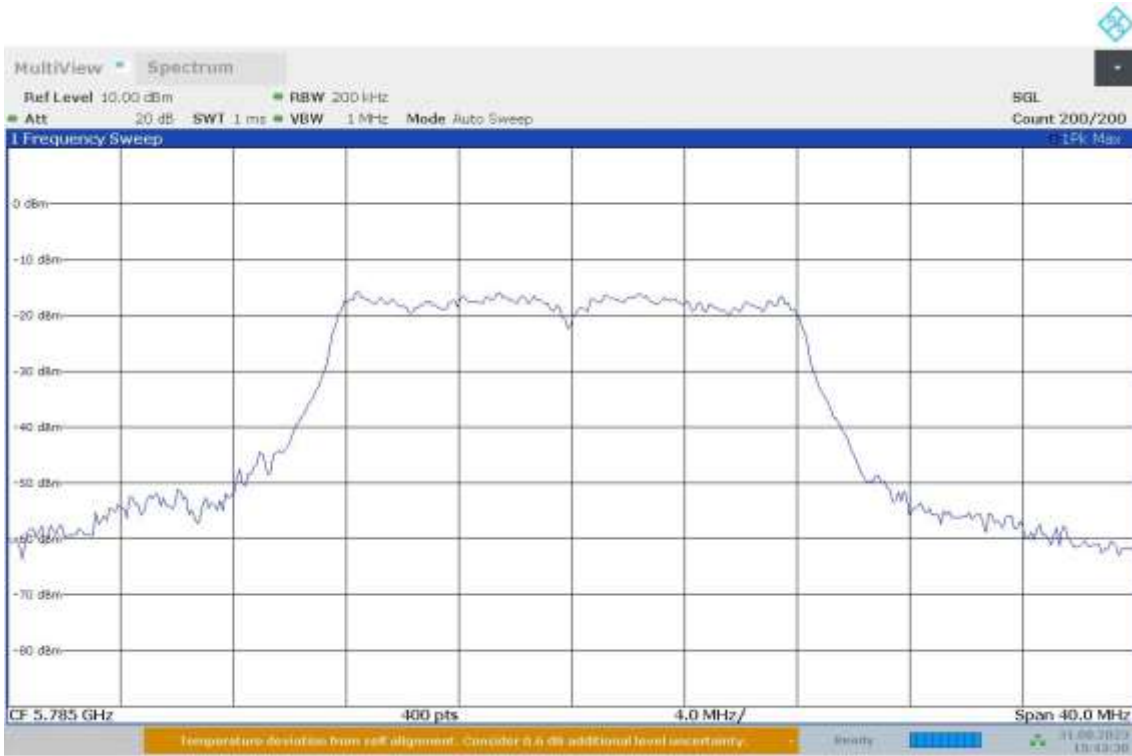
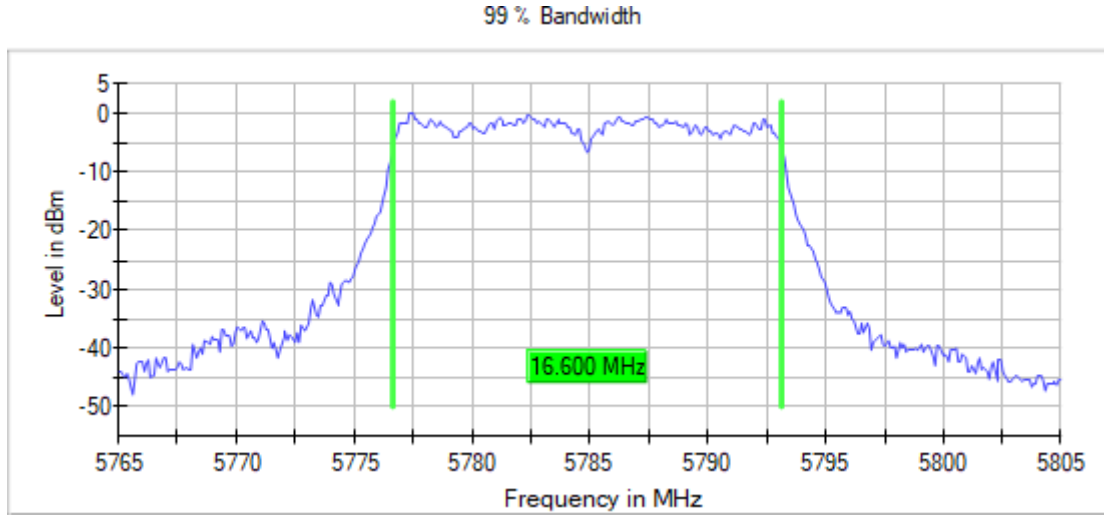
Images:



15:12:29 31.08.2023

Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5785.00000    Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

Images:

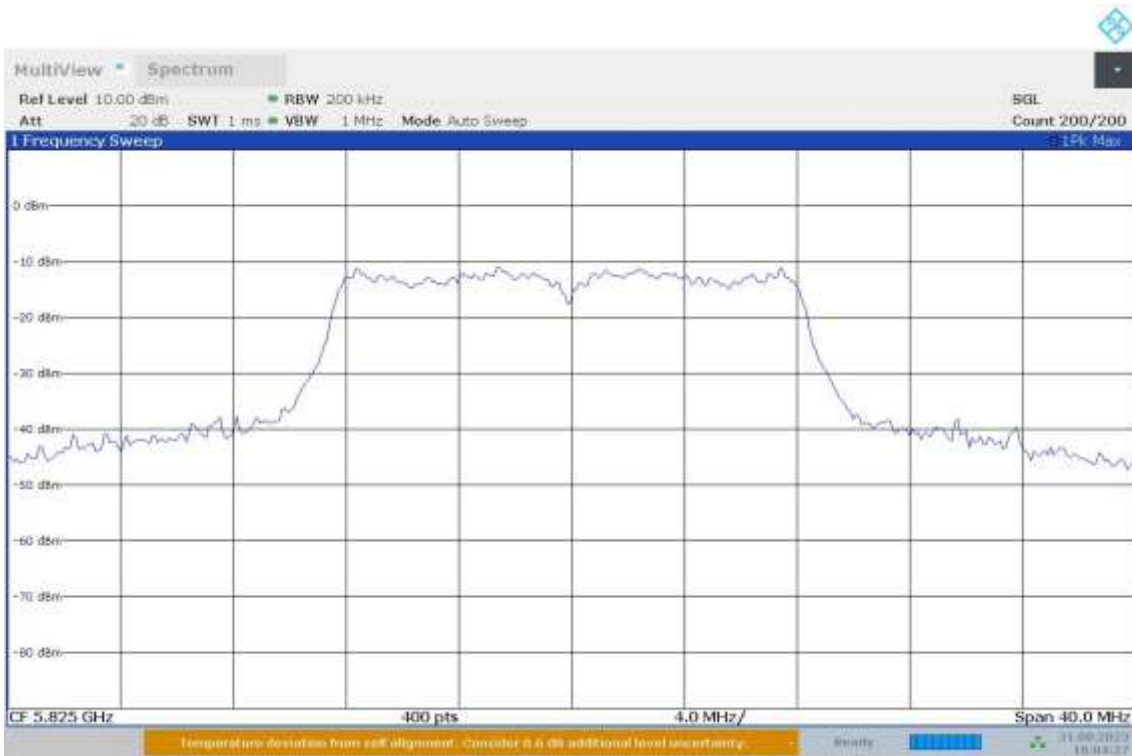
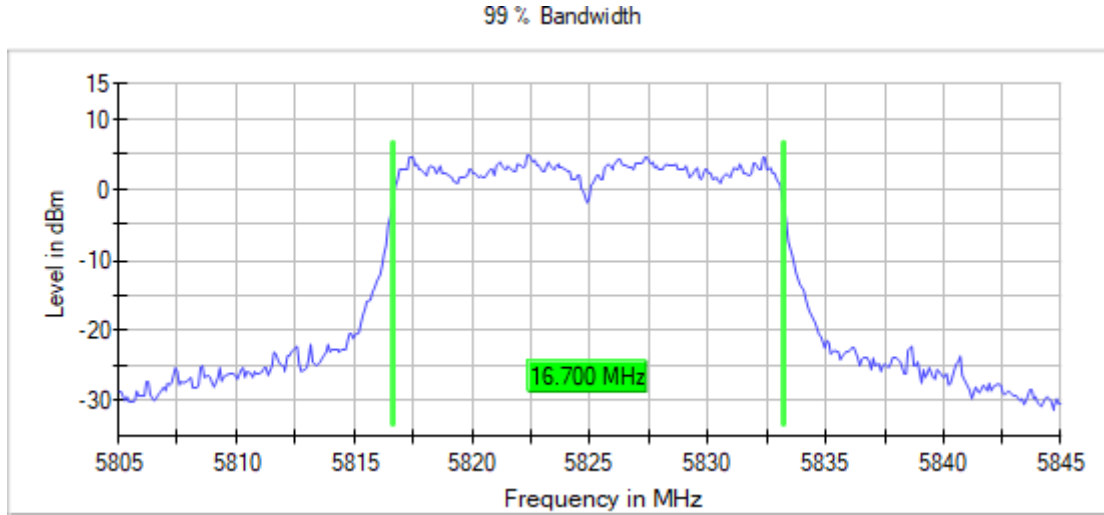


15:43:38 31.08.2023



Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5825.00000        Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

Images:



16:04:27 31.08.2023

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

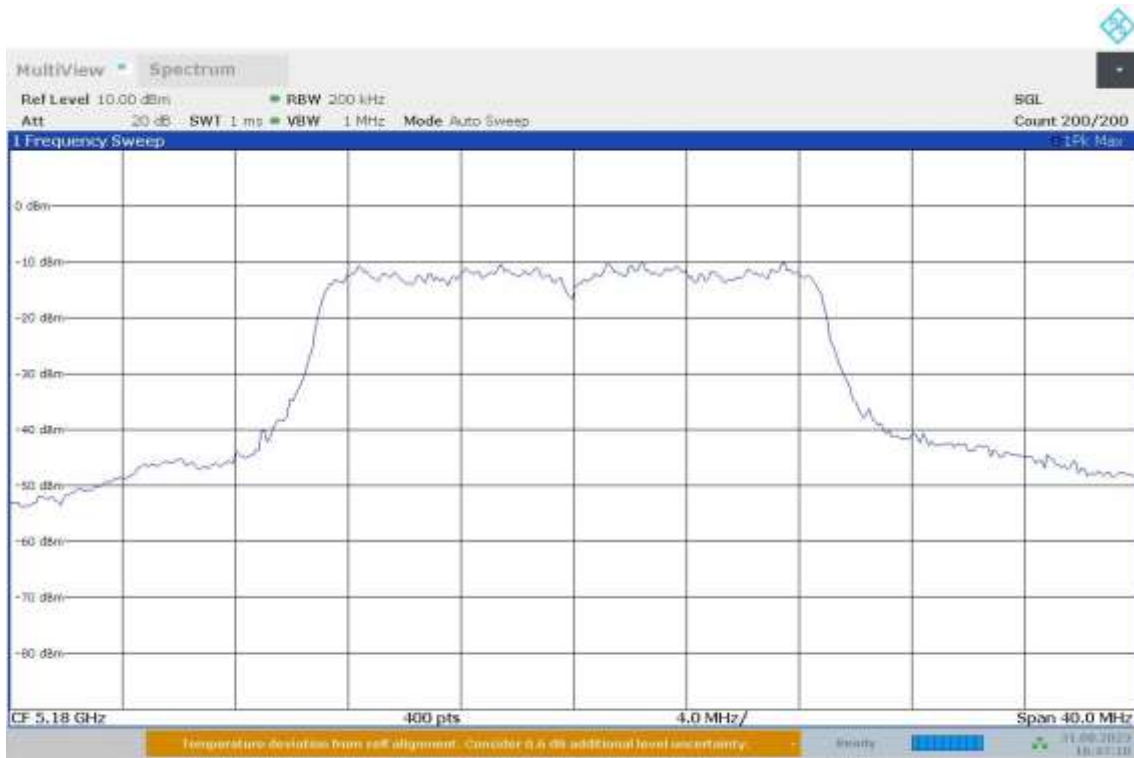
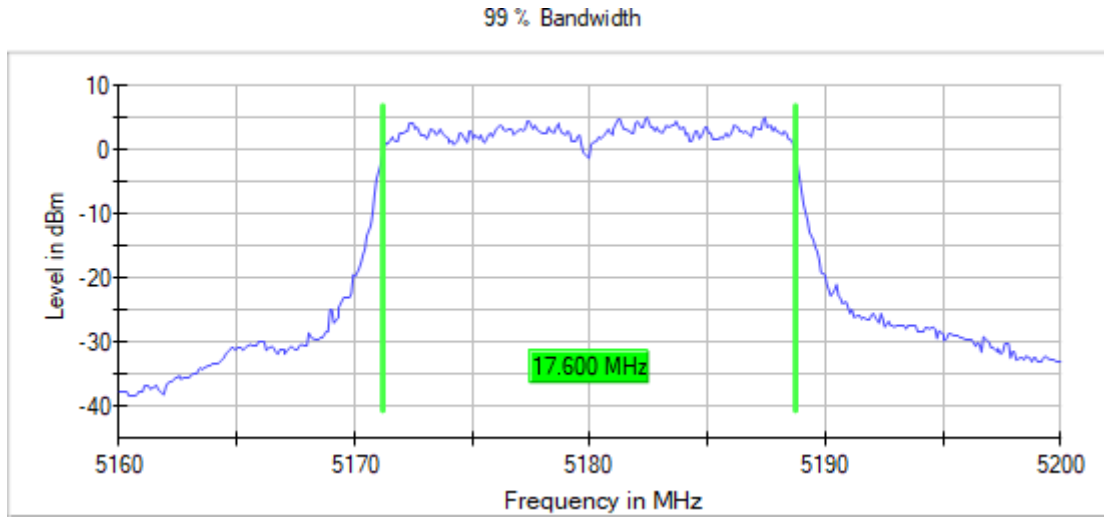
**Attachments**

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

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

MIMO Mode = SISO

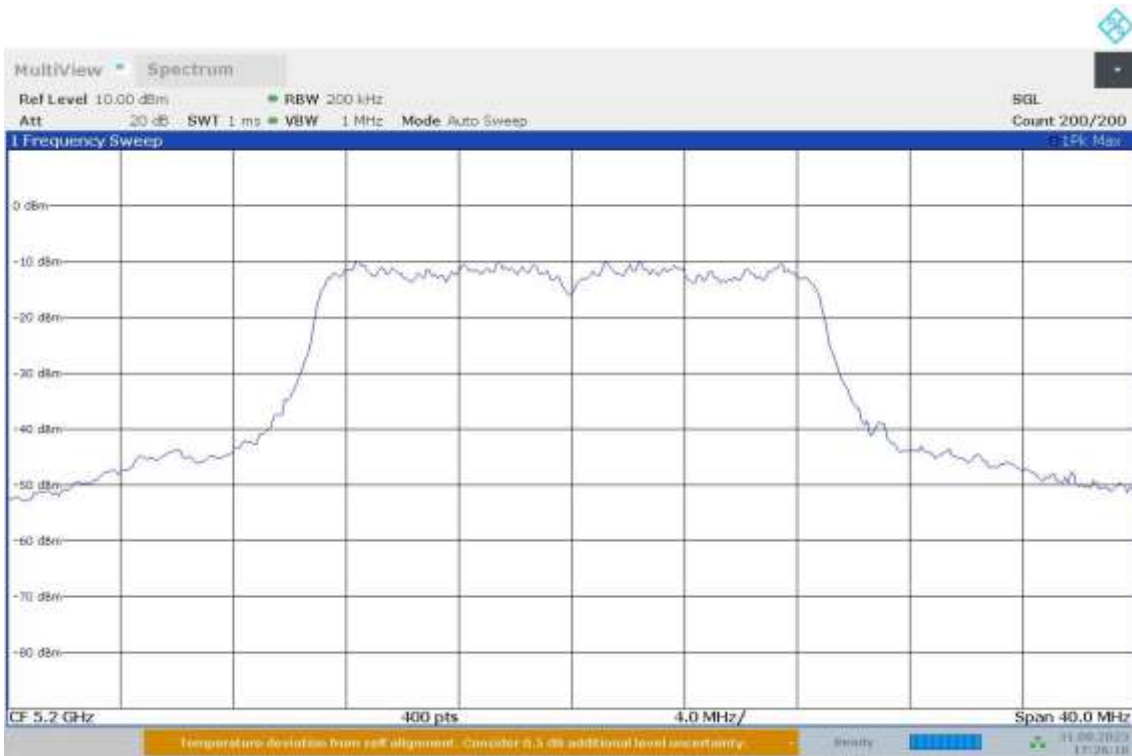
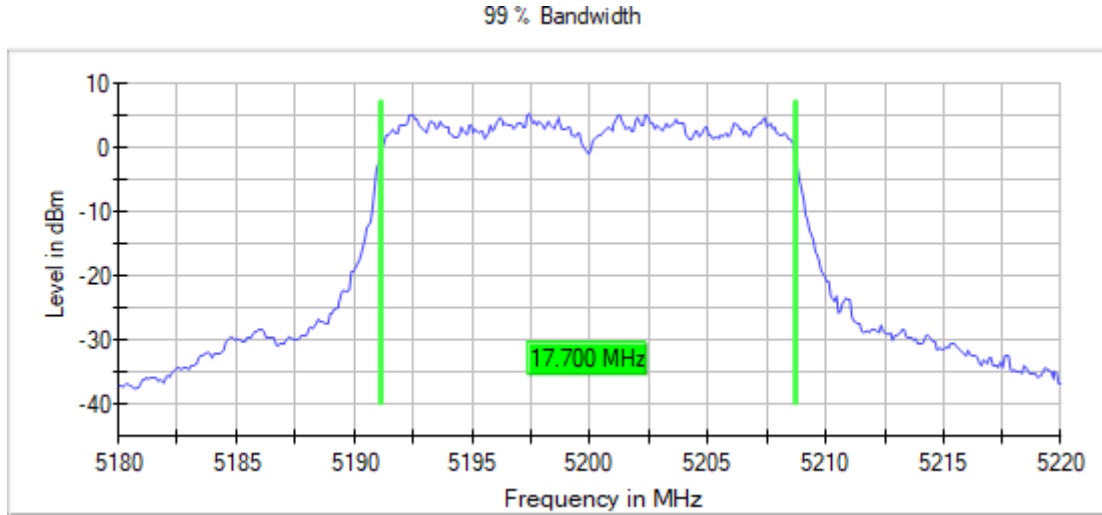
**Images:**



16:47:10 - 31.08.2023

Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5200.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
MIMO Mode = SISO

Images:



17:26:18 31.08.2023

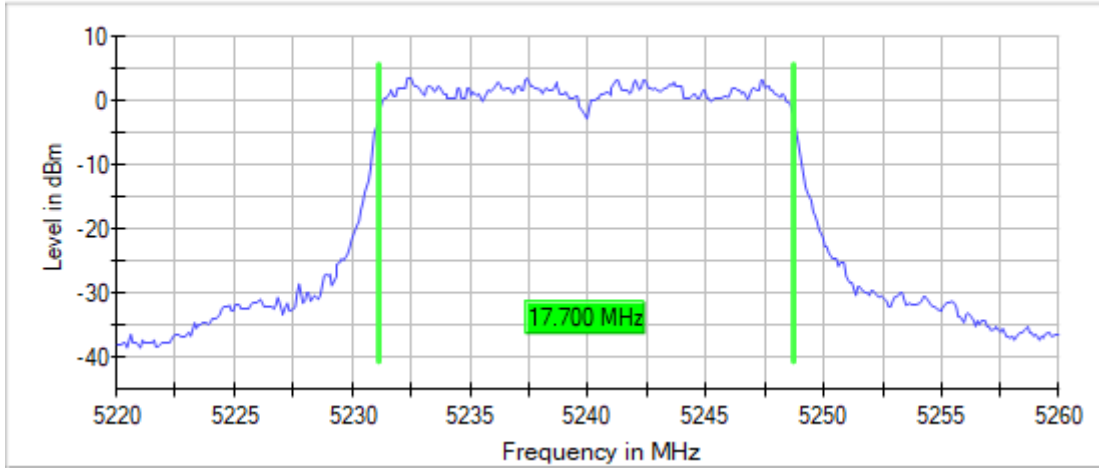
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

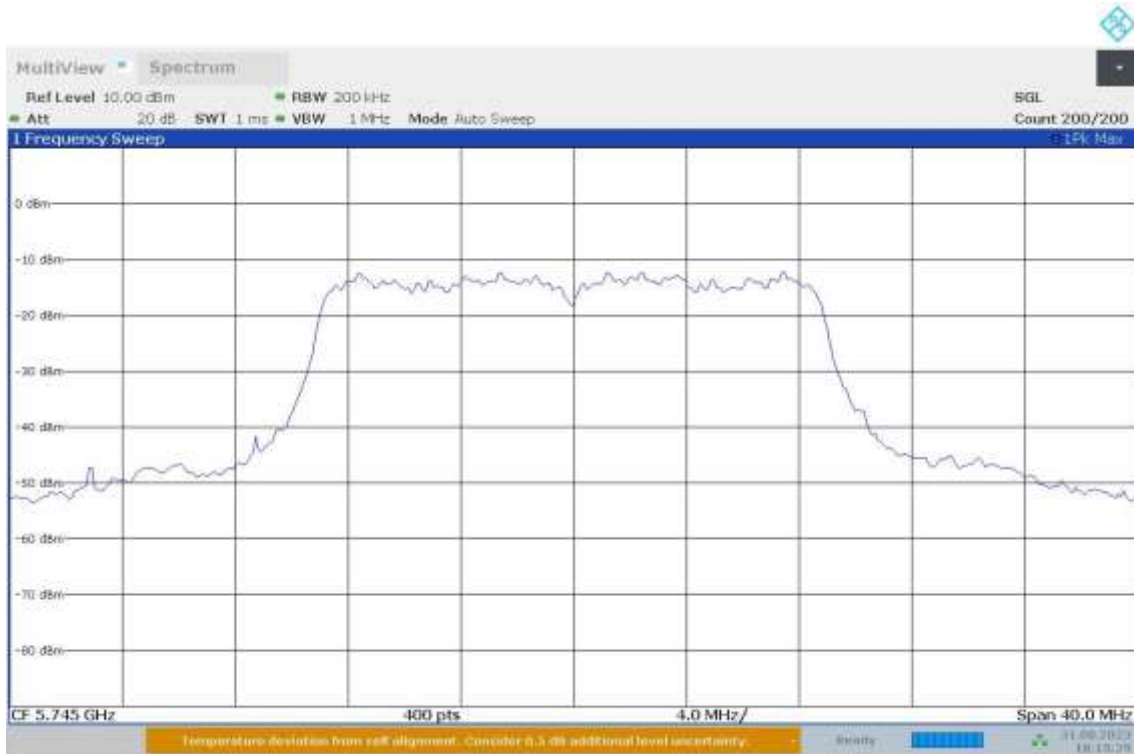
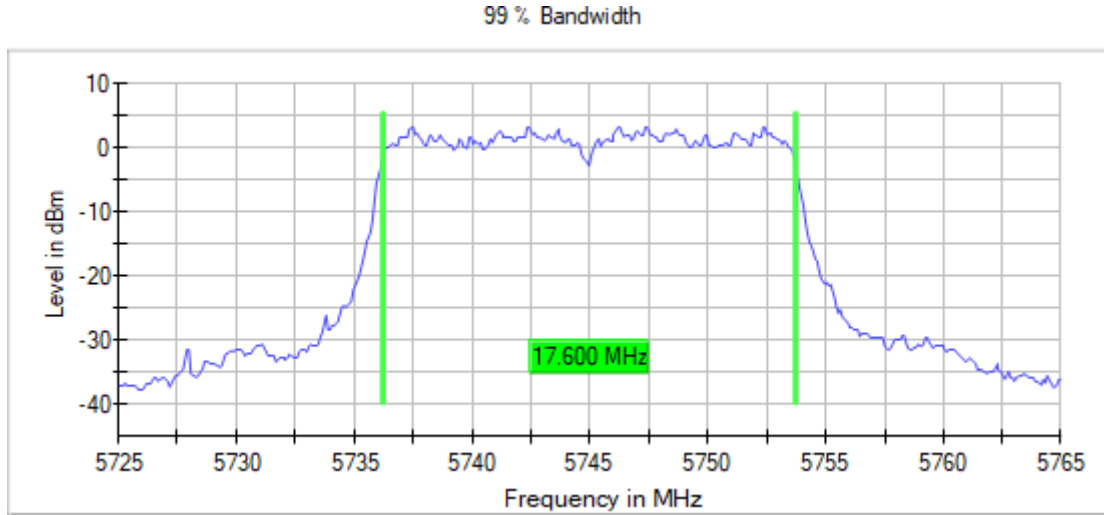
99 % Bandwidth



17:47:34 31.08.2023

Operation Band MHz = [5150, 5850] Active Port = 1  
Frequency MHz = 5745.00000 Modulation = 802.11n HT20 (OFDM MCS0)  
MIMO Mode = SISO

Images:



18:15:30 31.08.2023

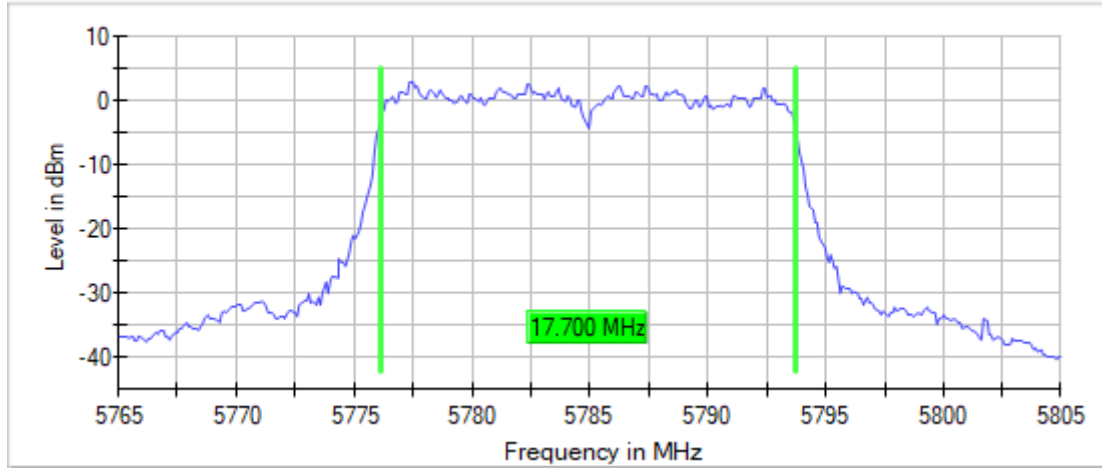
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

99 % Bandwidth



18:47:46 31.08.2023

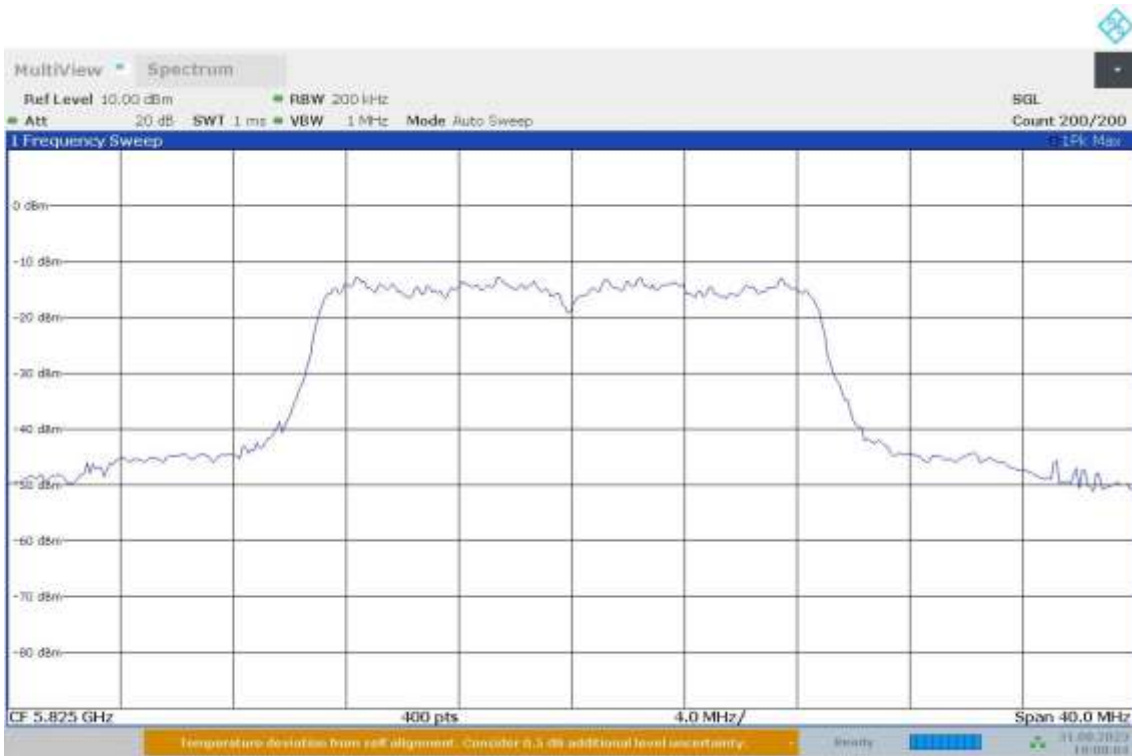
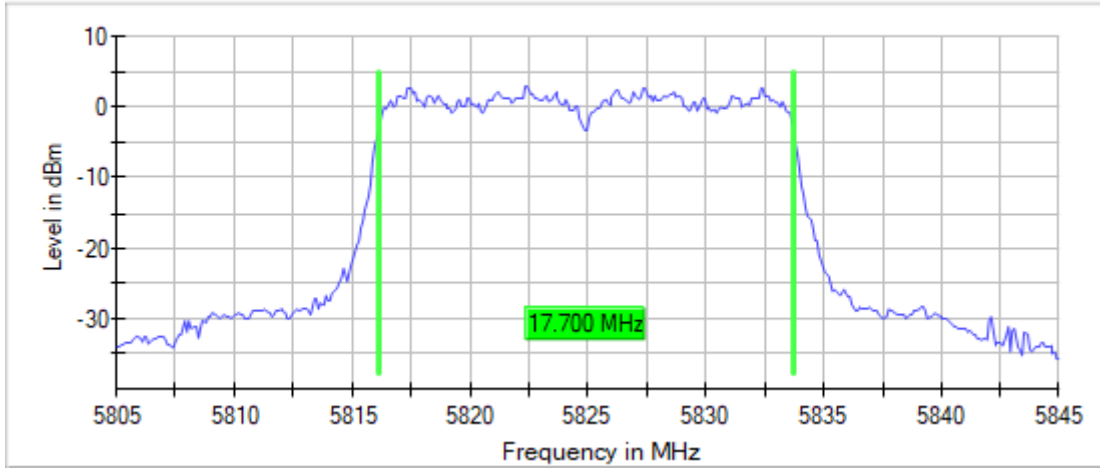
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

99 % Bandwidth





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**

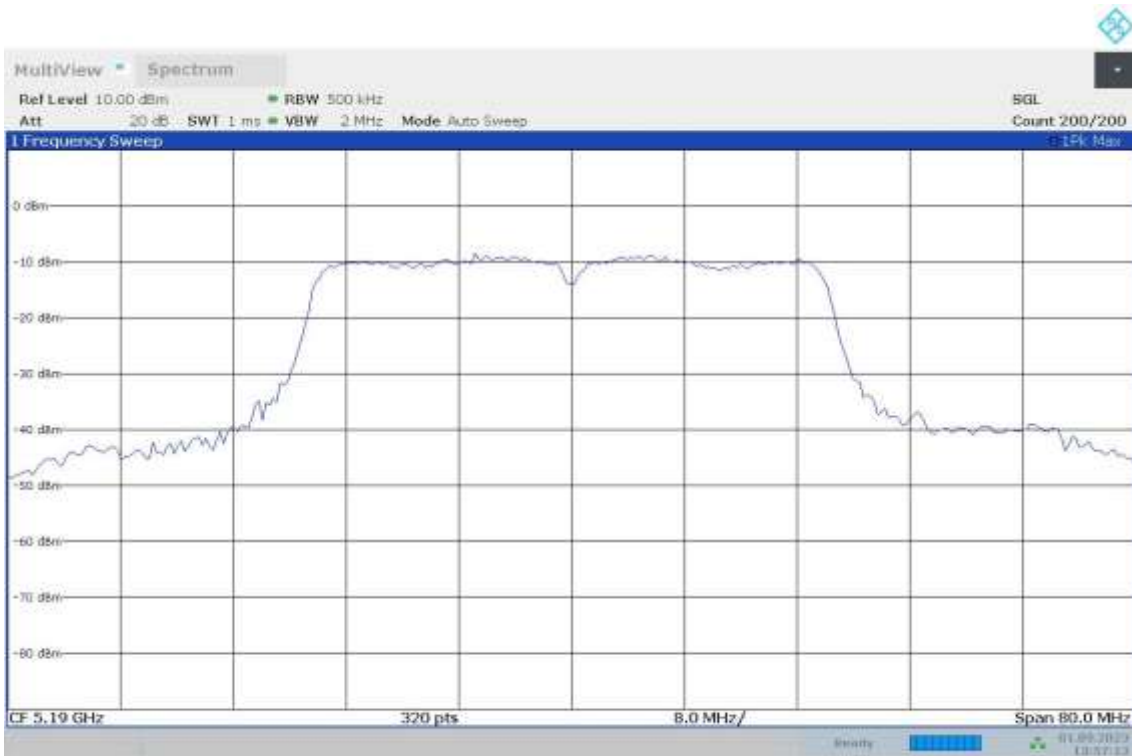
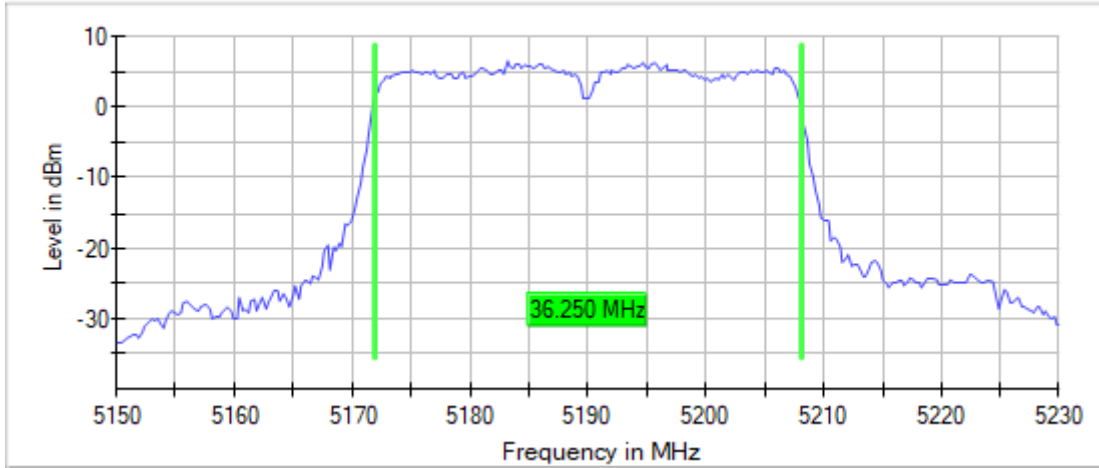
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

99 % Bandwidth



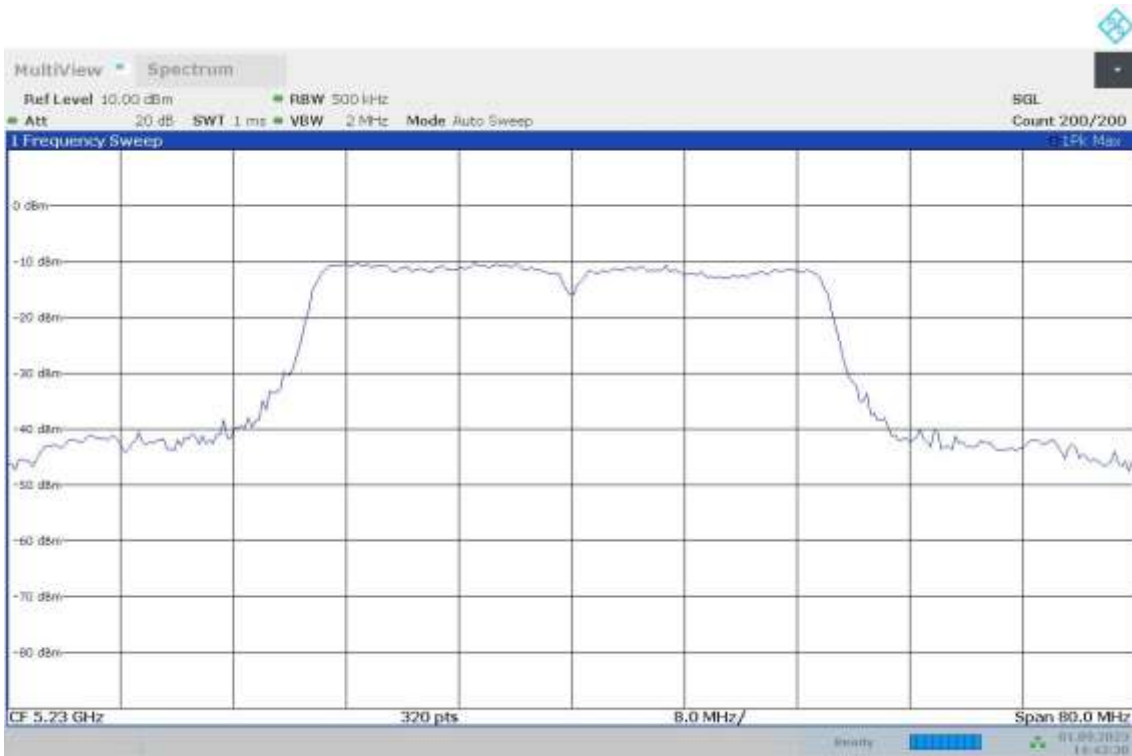
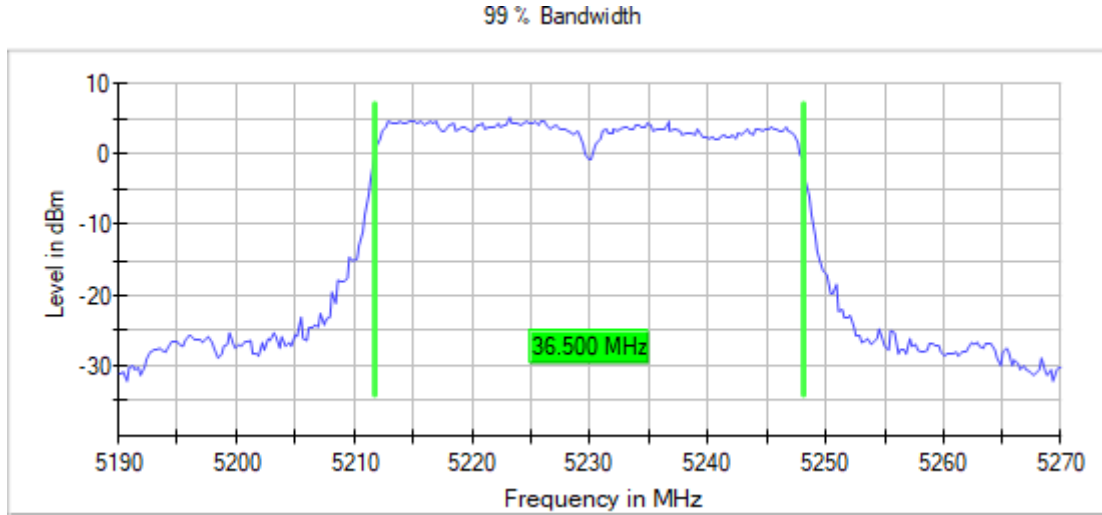
13:57:13 01.09.2023

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

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

MIMO Mode = SISO

Images:



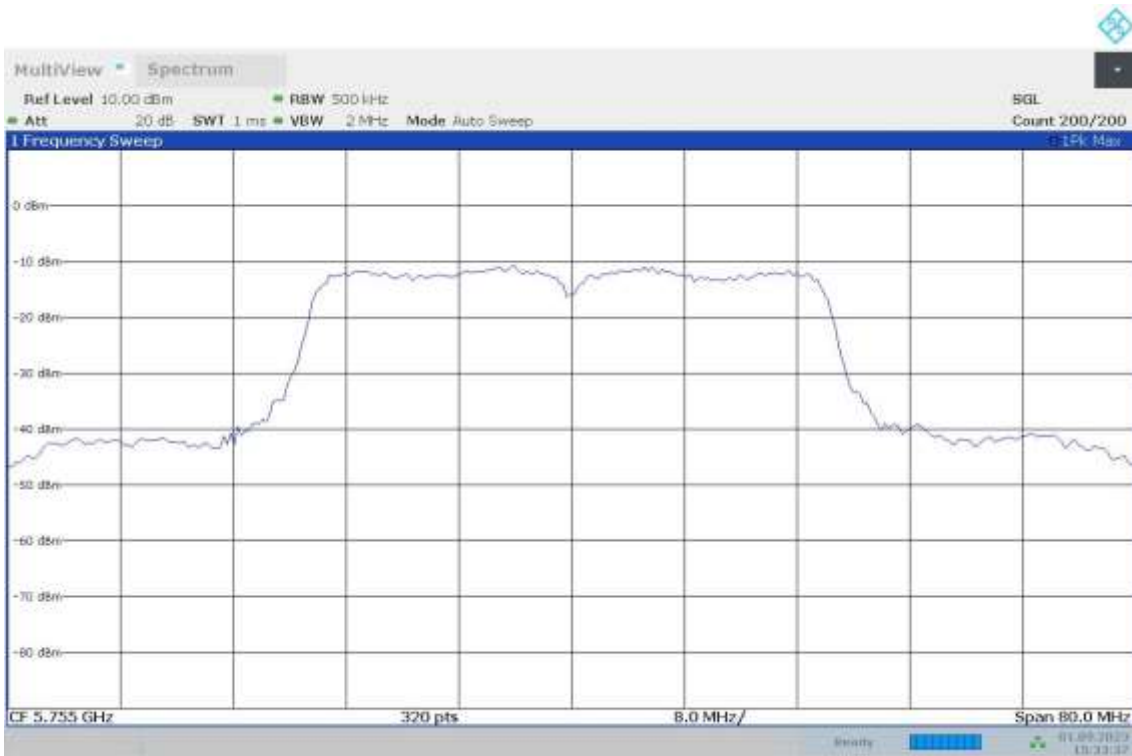
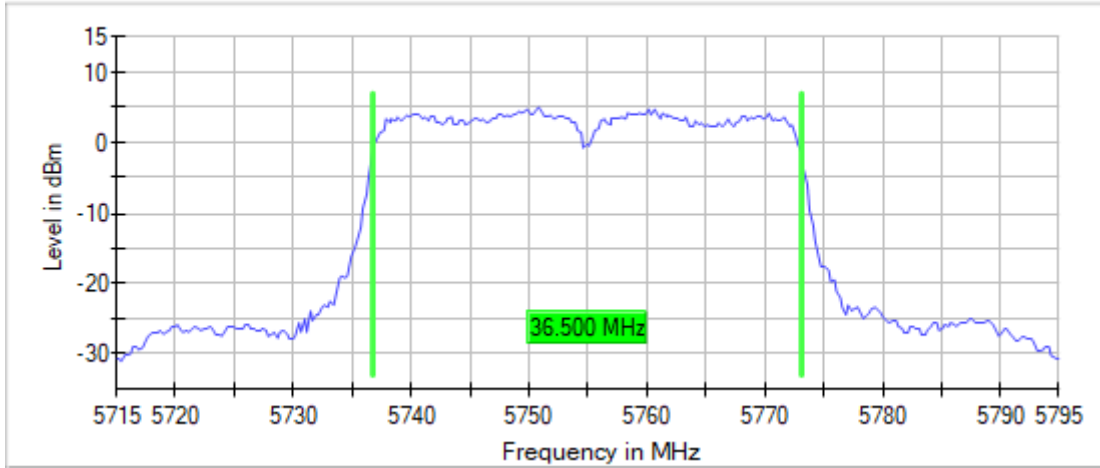
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

99 % Bandwidth



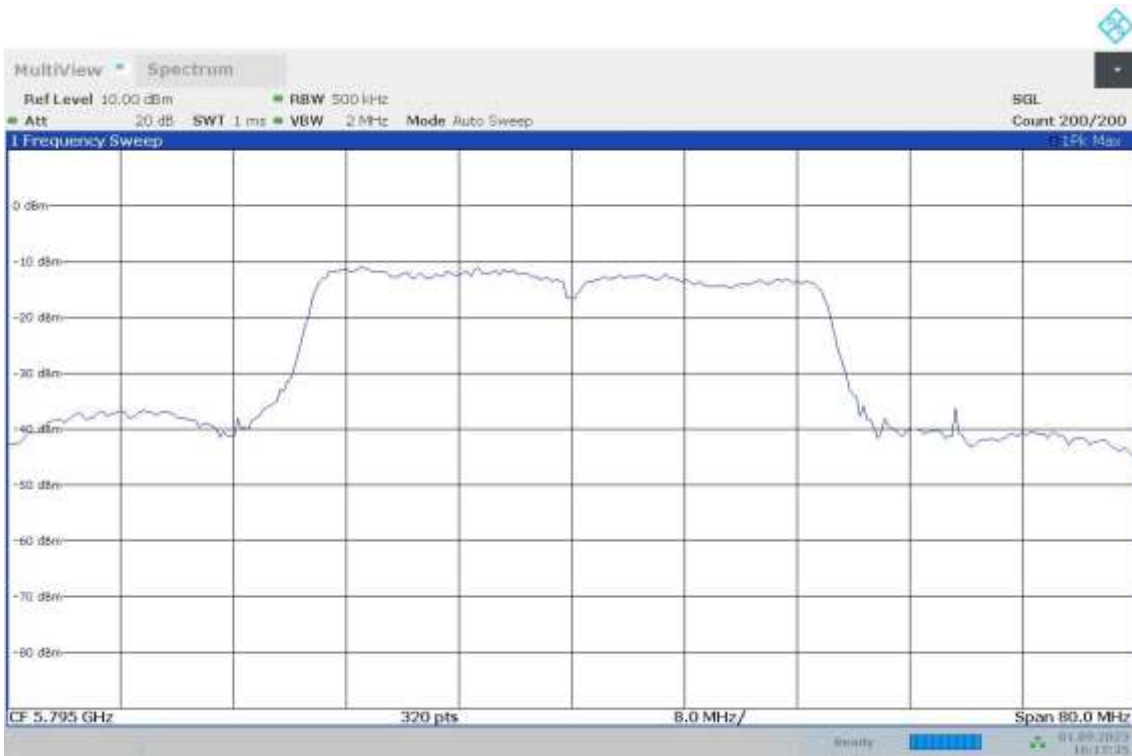
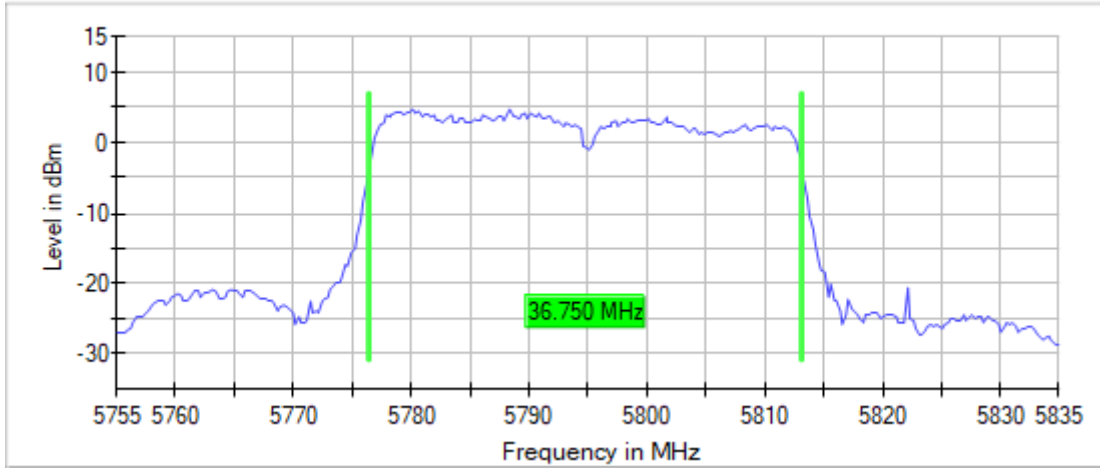
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

99 % Bandwidth



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**

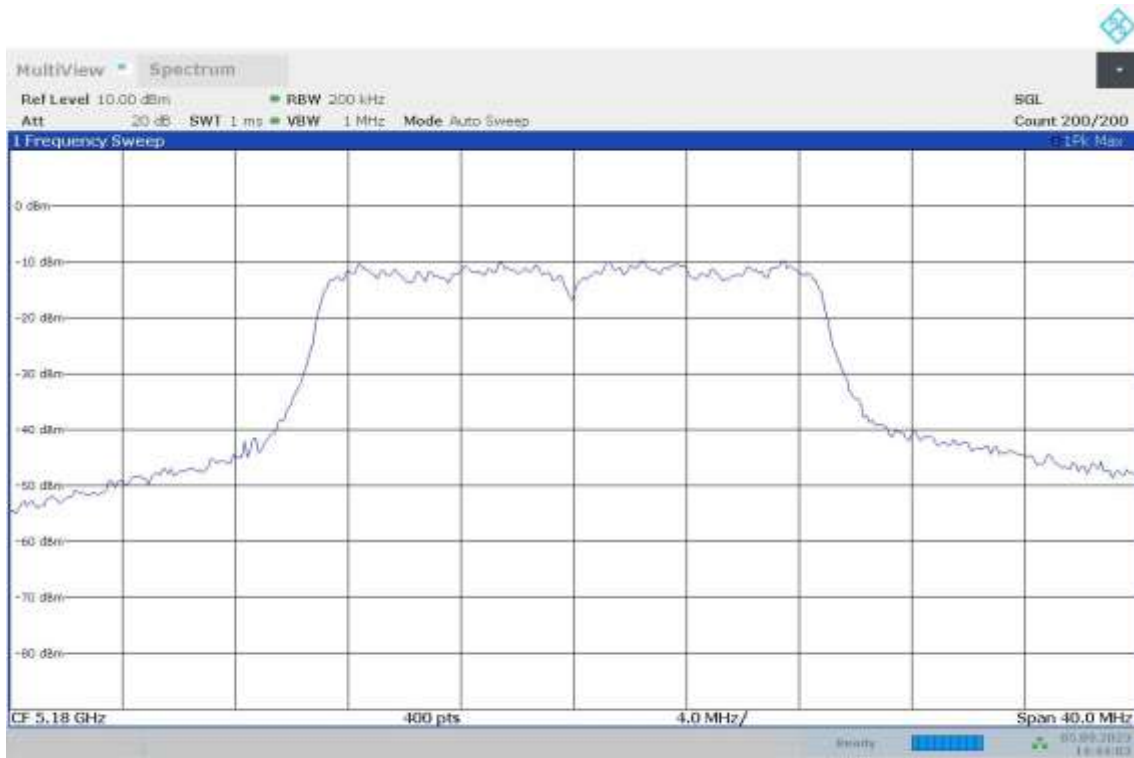
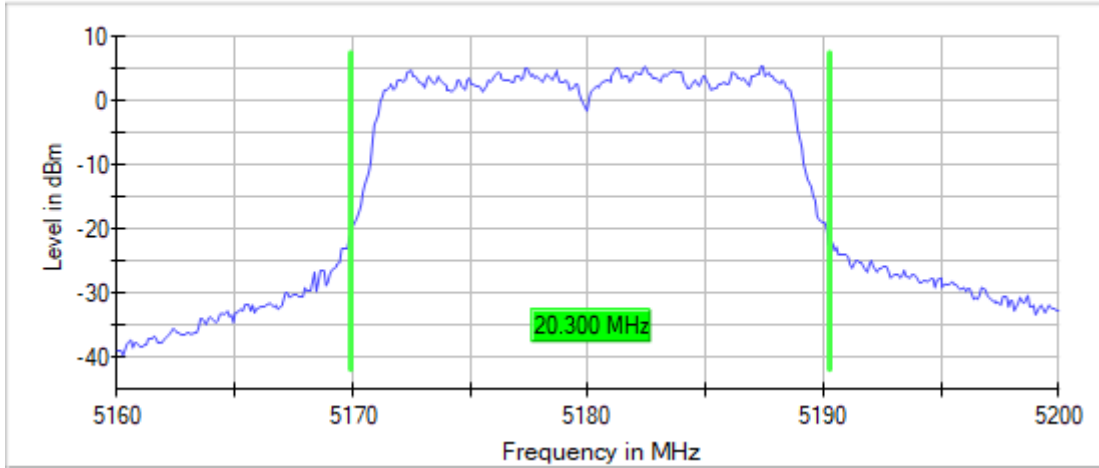
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

26 dB Bandwidth

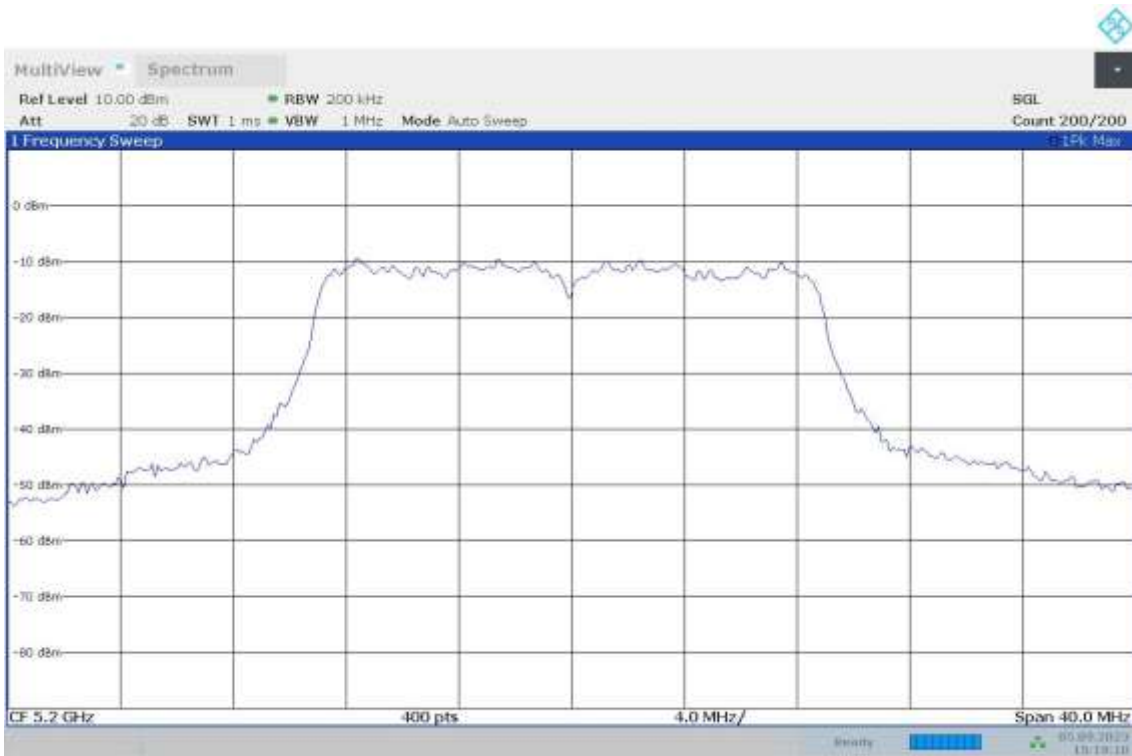
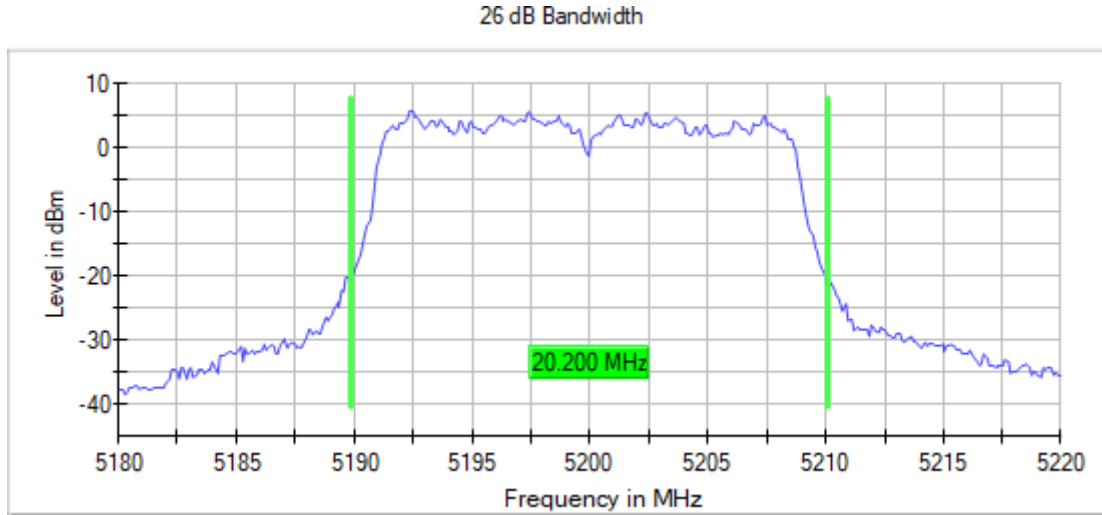


Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:



15:19:10 05.09.2023

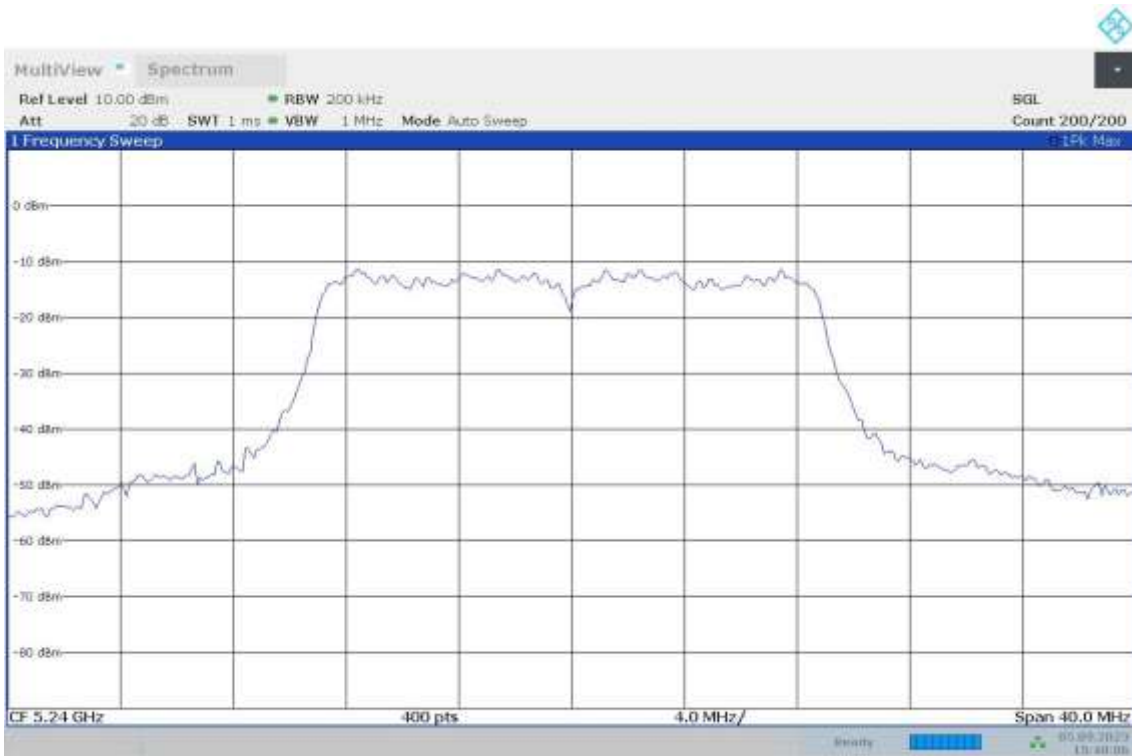
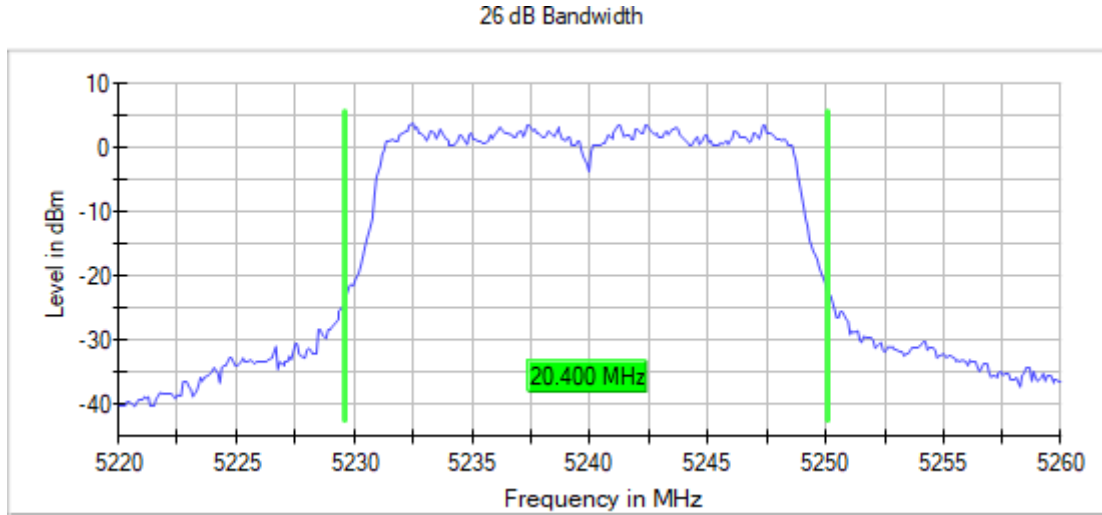


Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

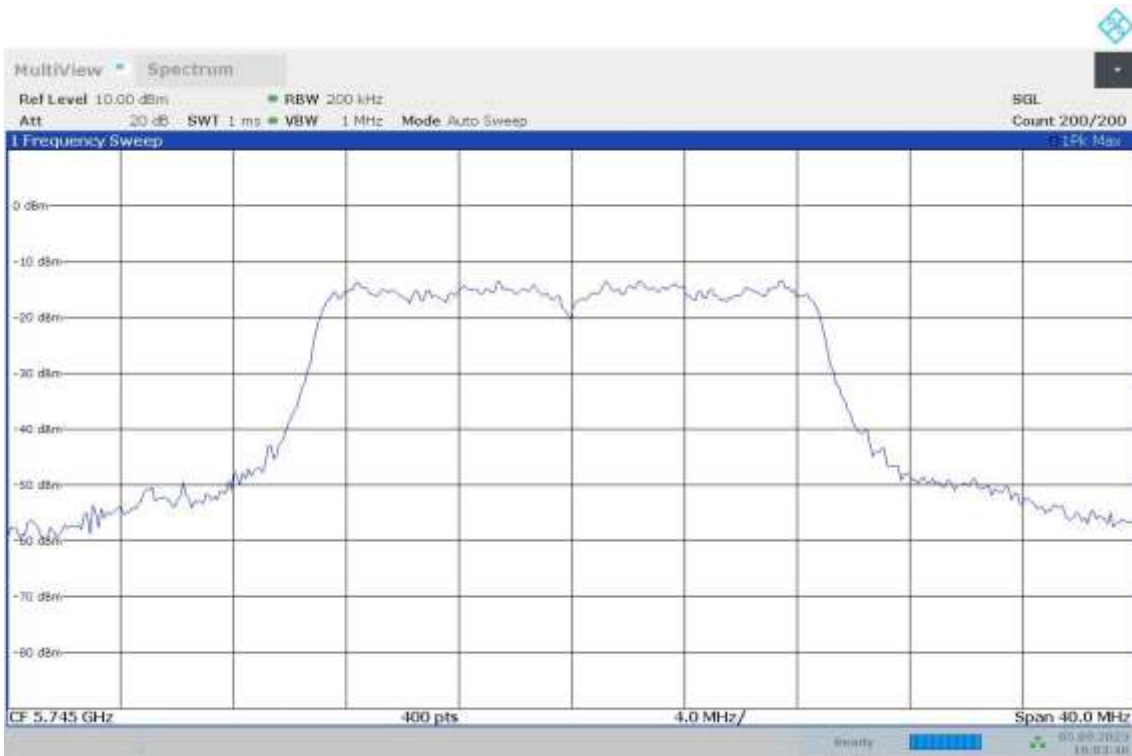
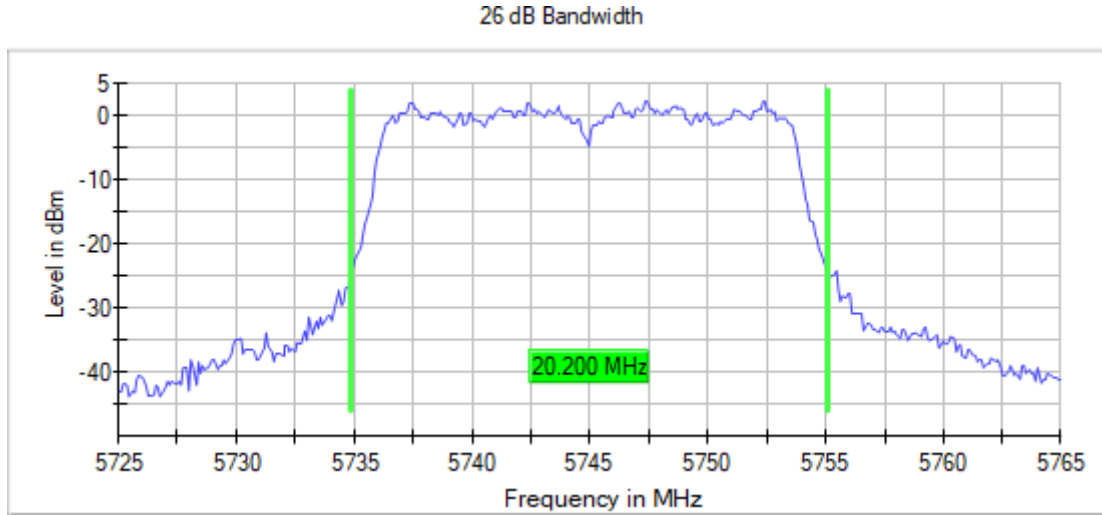


Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

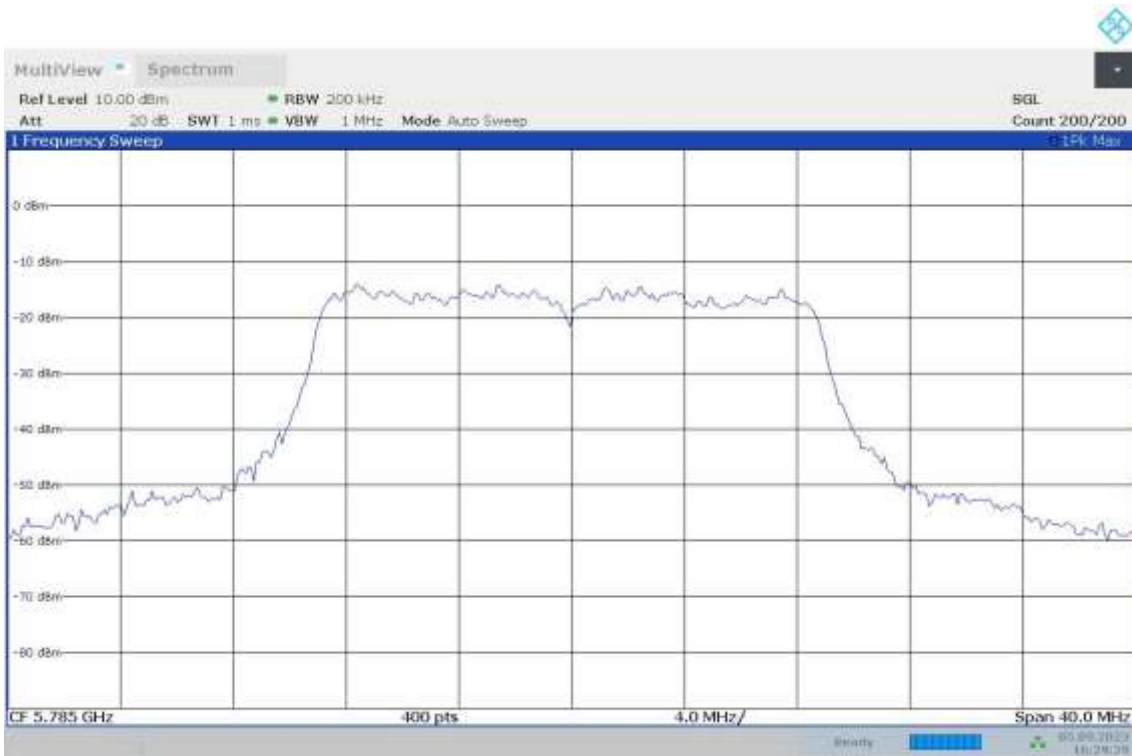
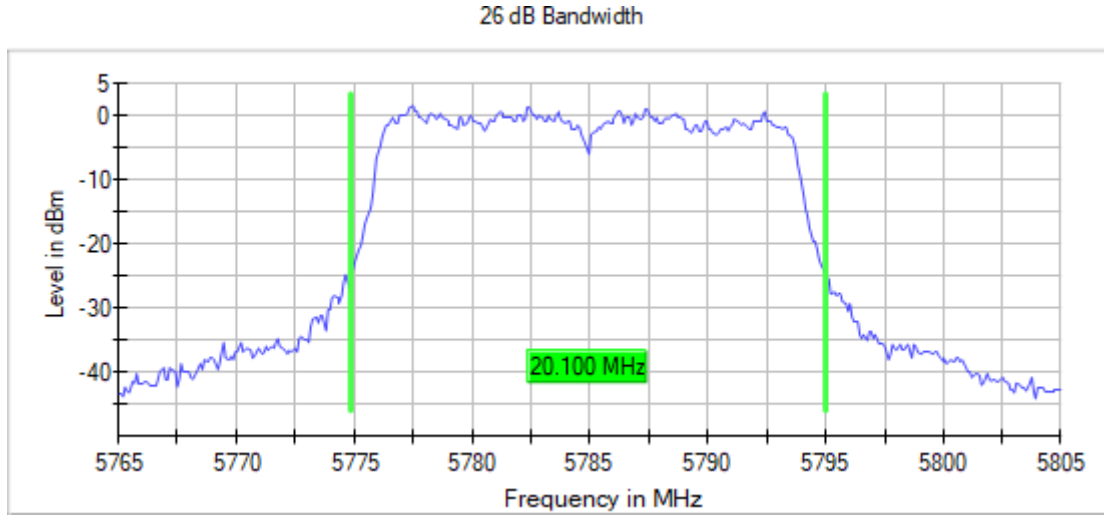
Images:



16:03:49 05.09.2023

Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5785.00000    Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)  
MIMO Mode = SISO

Images:



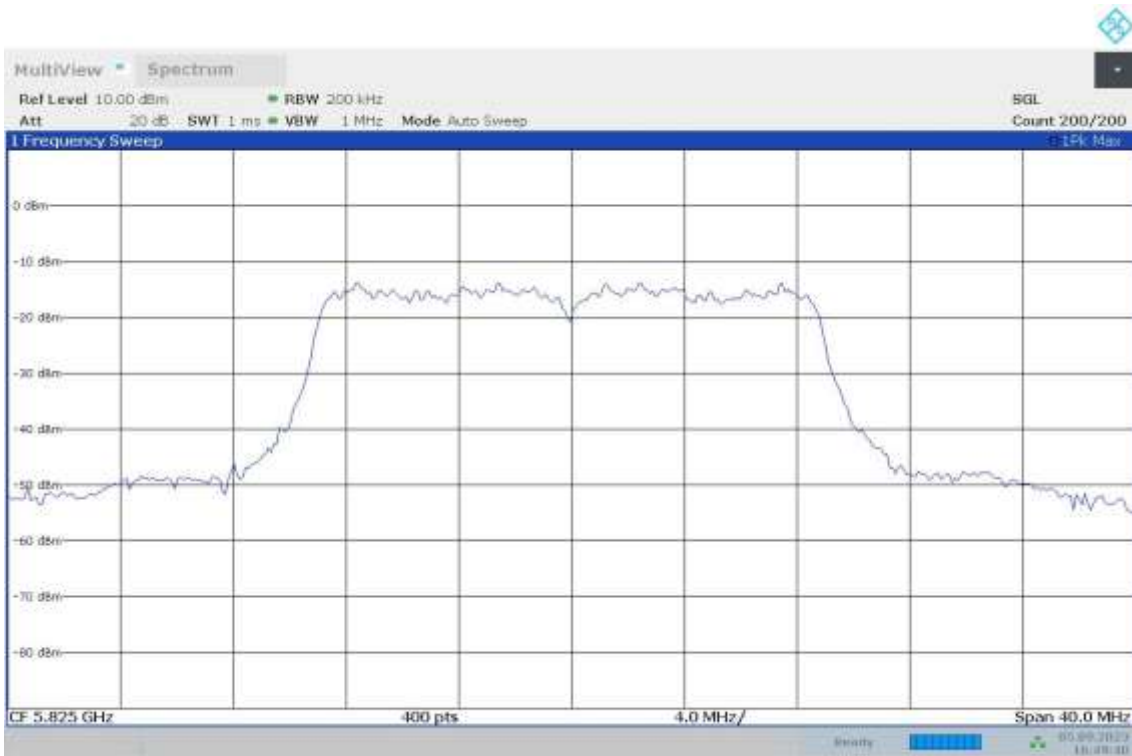
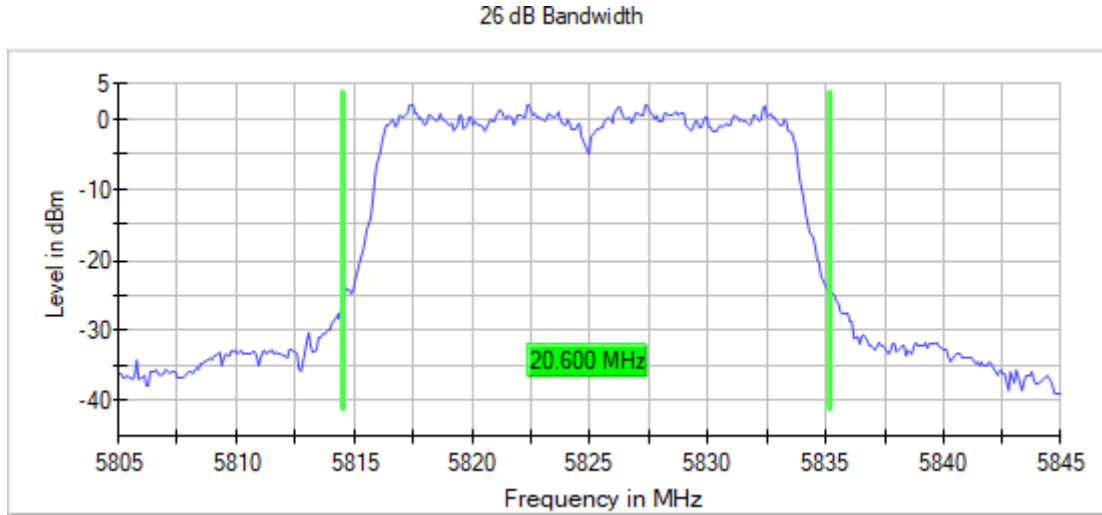
16:29:29 05.09.2023

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

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

MIMO Mode = SISO

Images:



16:49:41 05.09.2023

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**

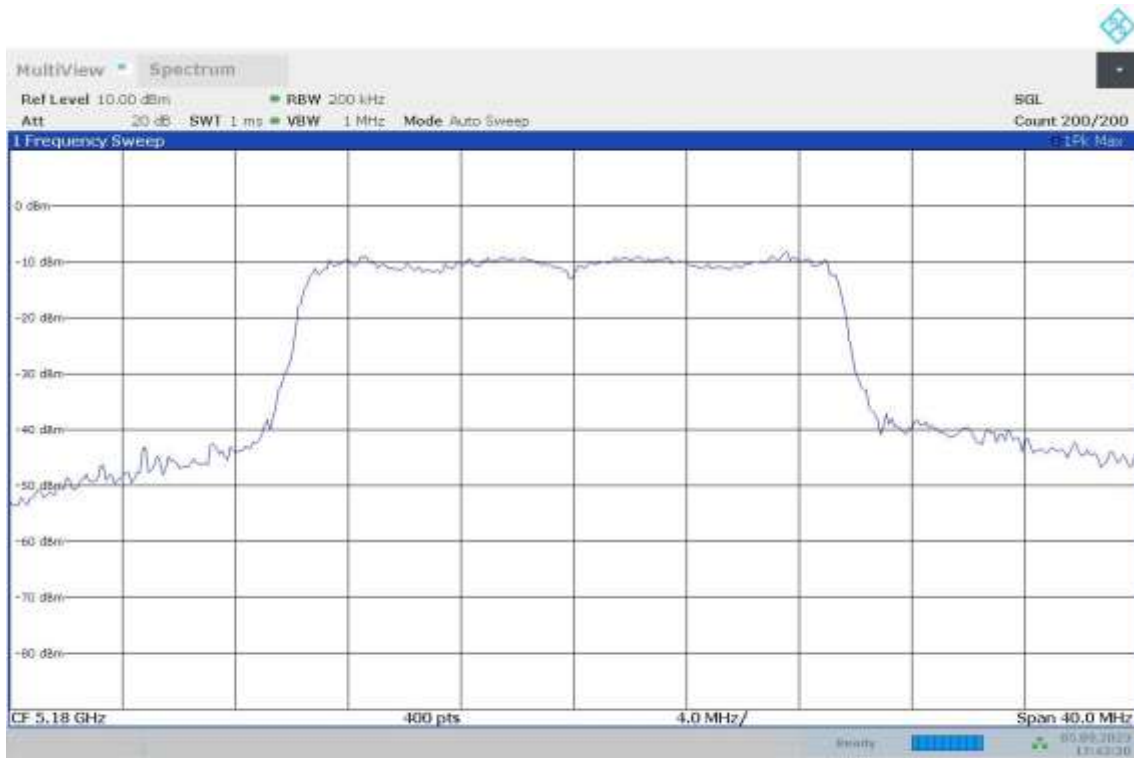
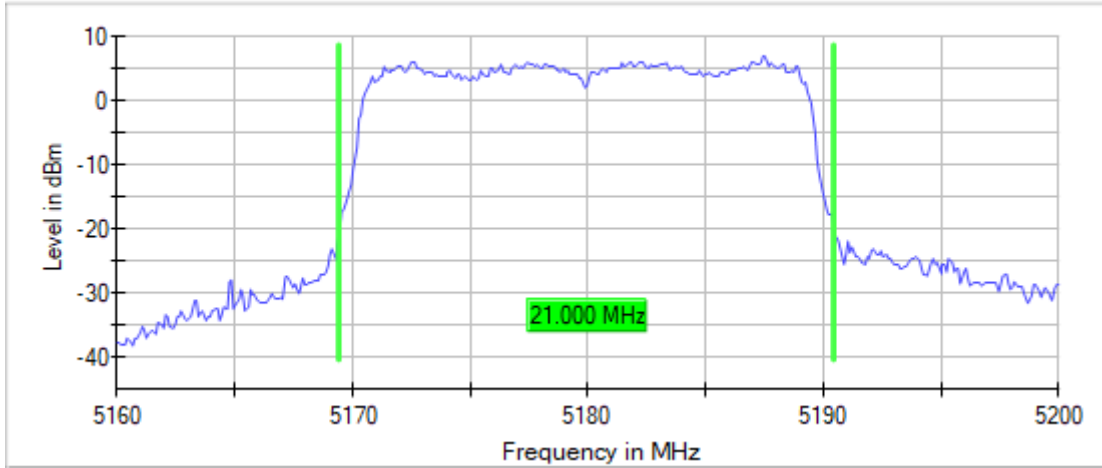
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

26 dB Bandwidth



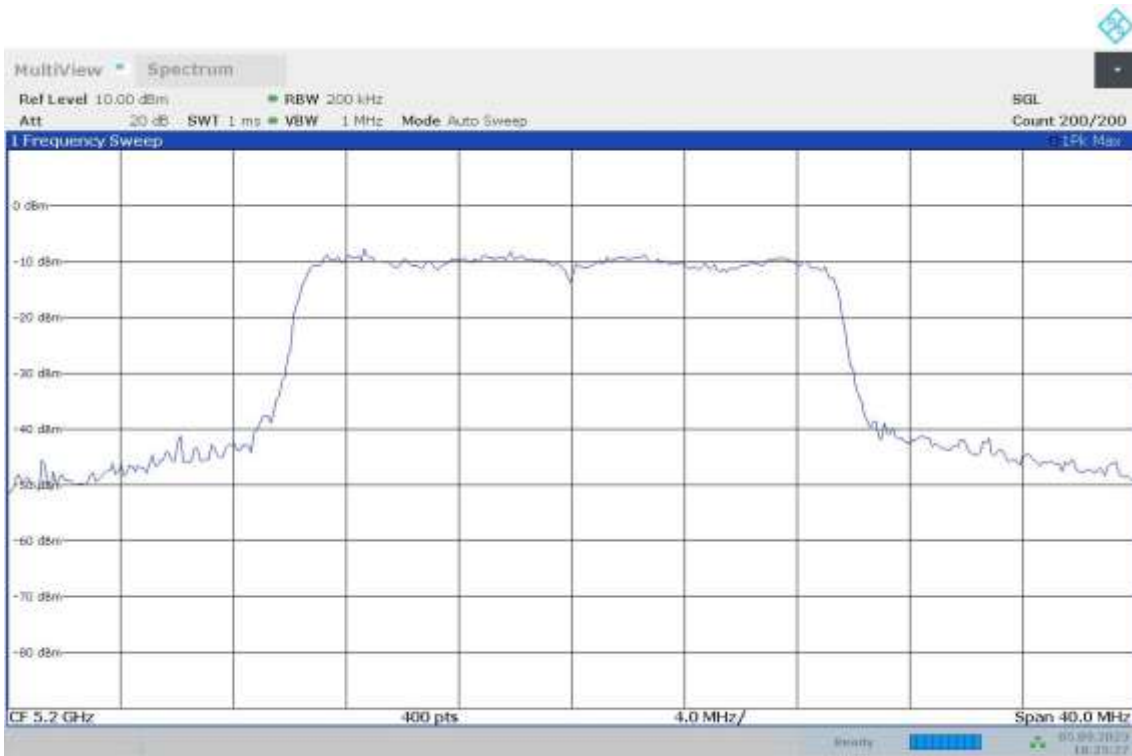
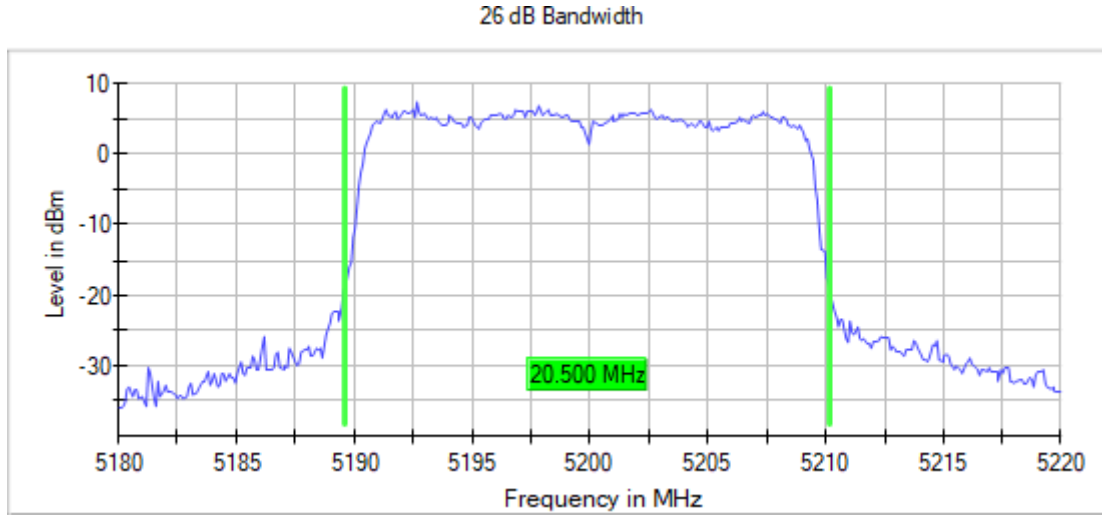
17:42:21 05.09.2023

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

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

MIMO Mode = SISO

Images:

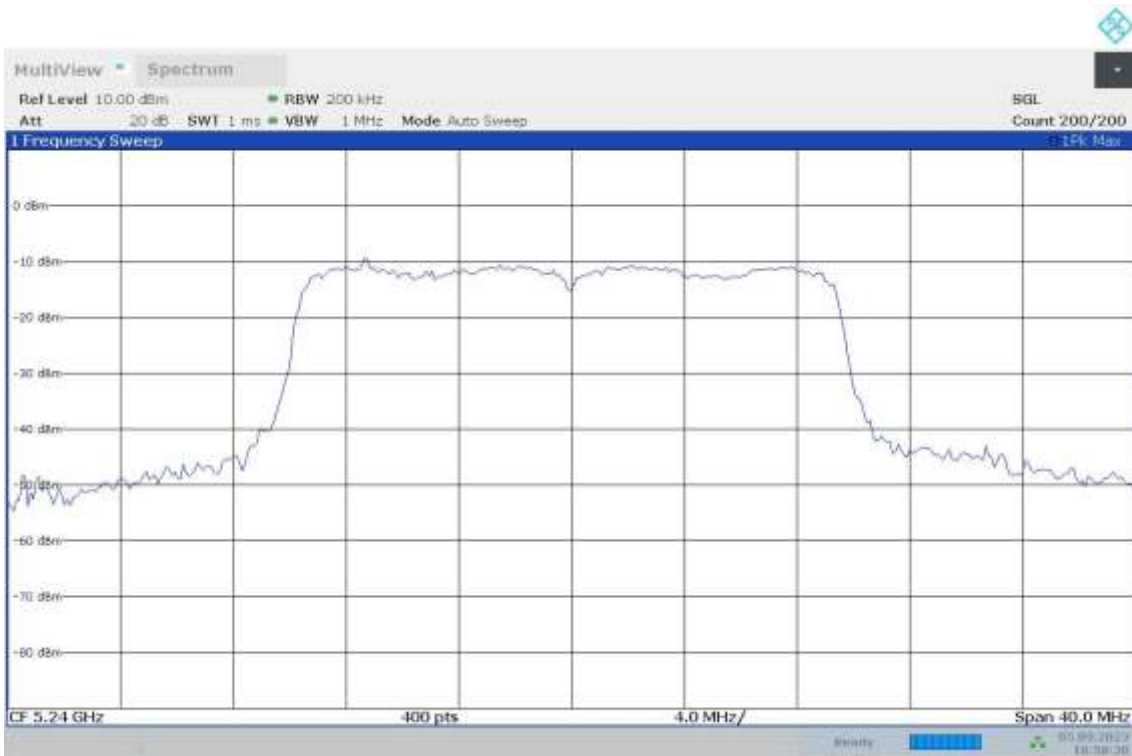
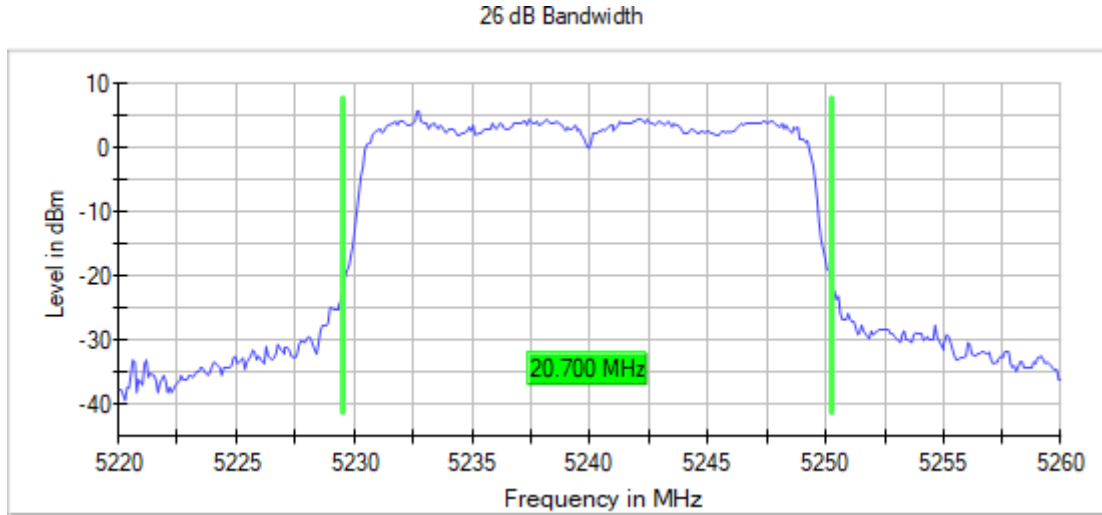


Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:





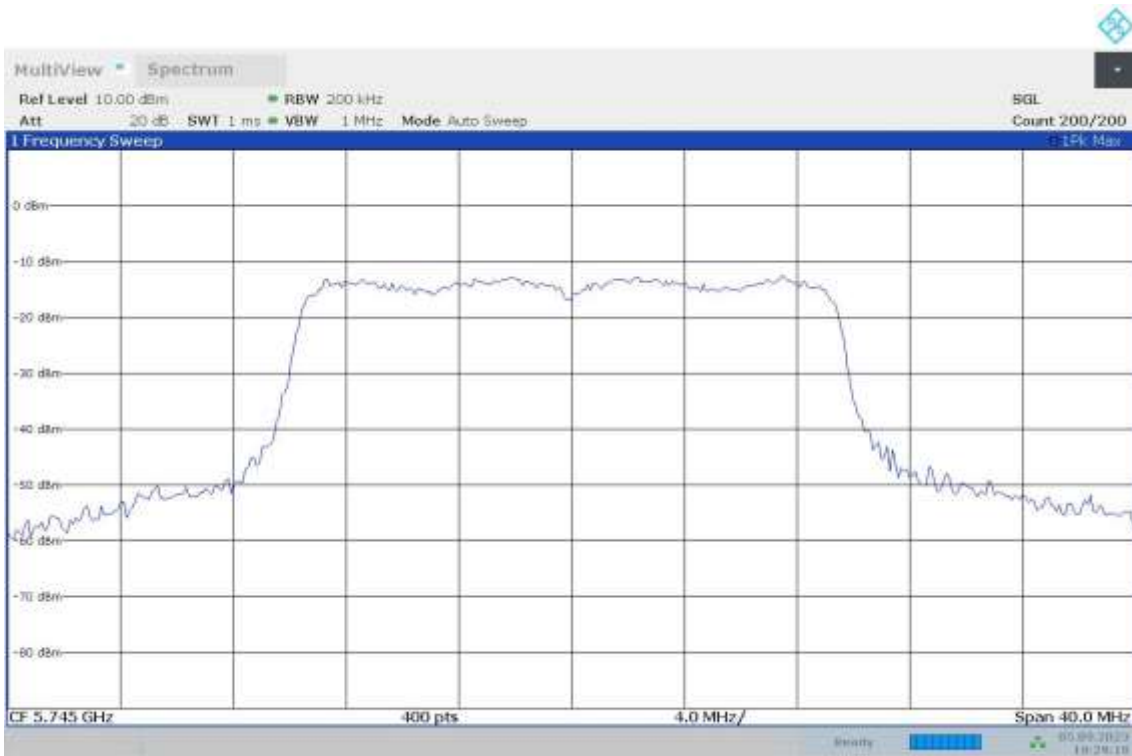
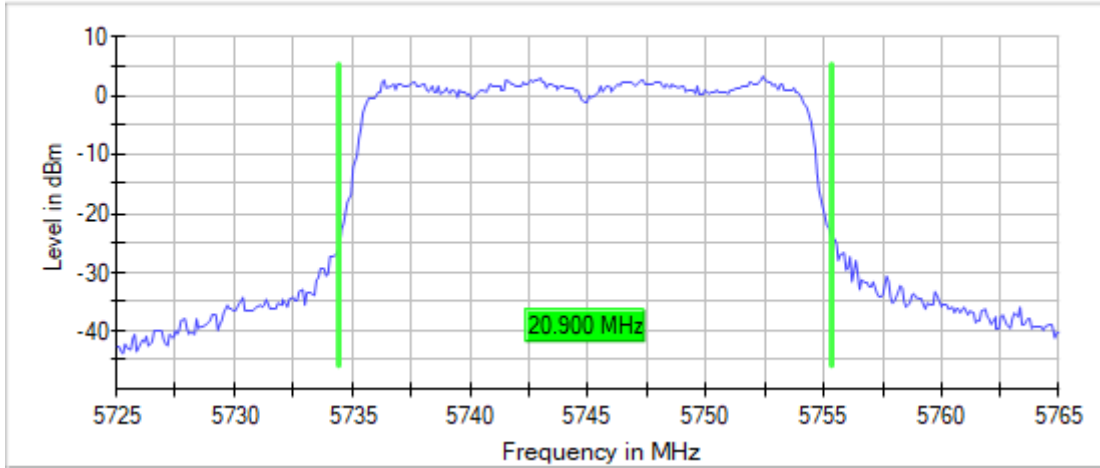
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

26 dB Bandwidth



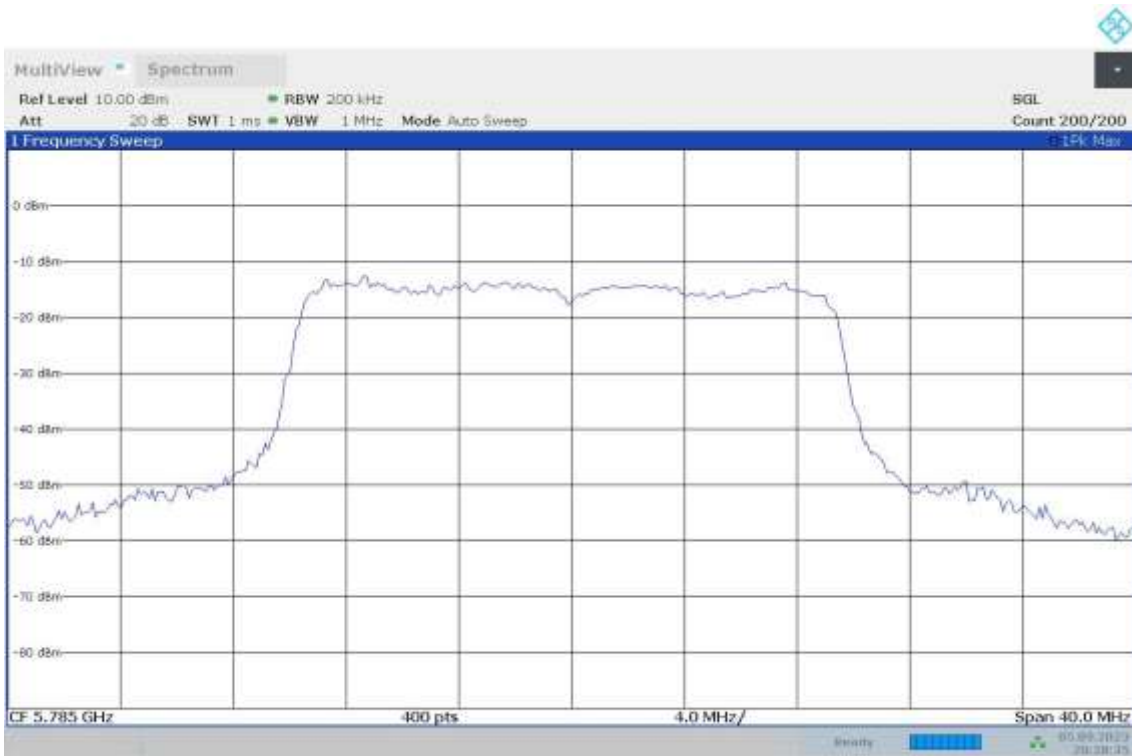
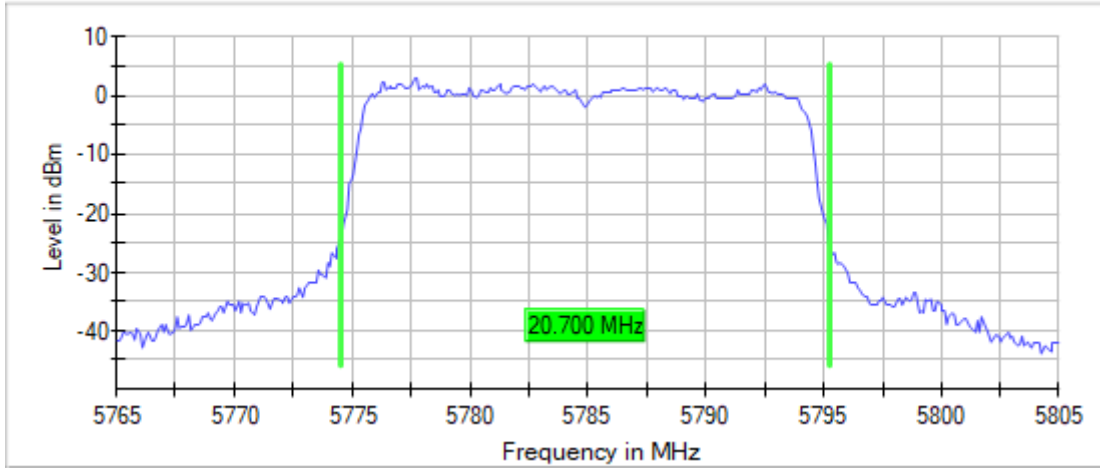
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

26 dB Bandwidth



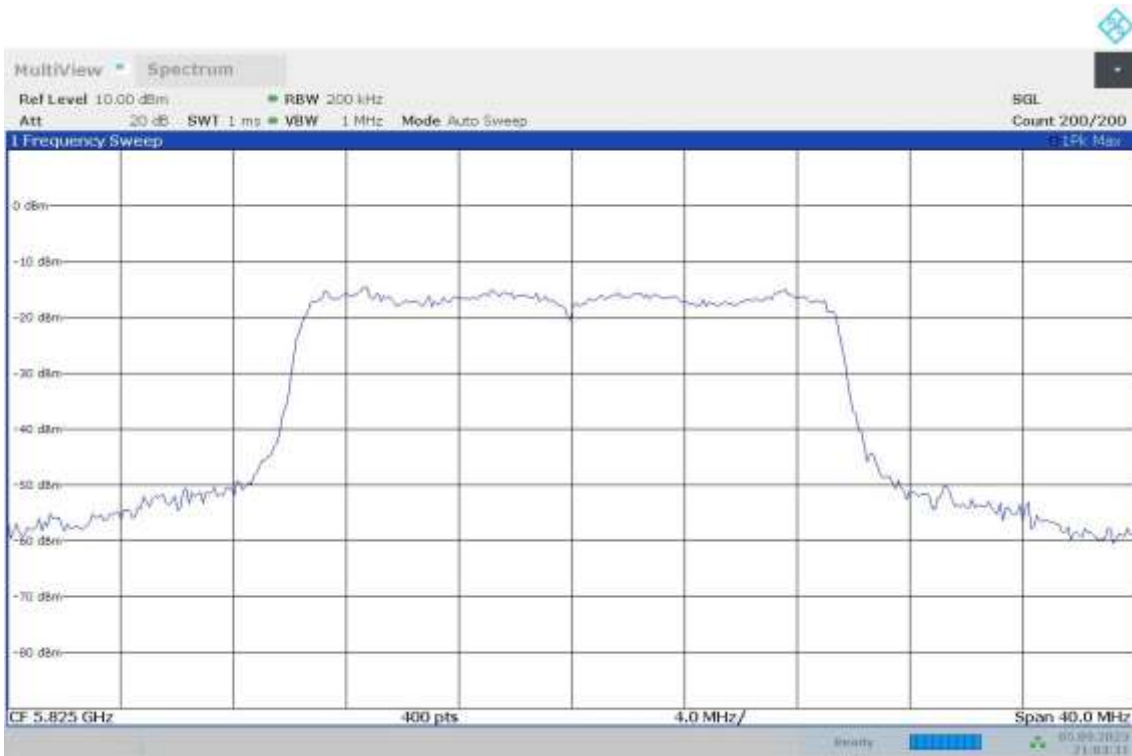
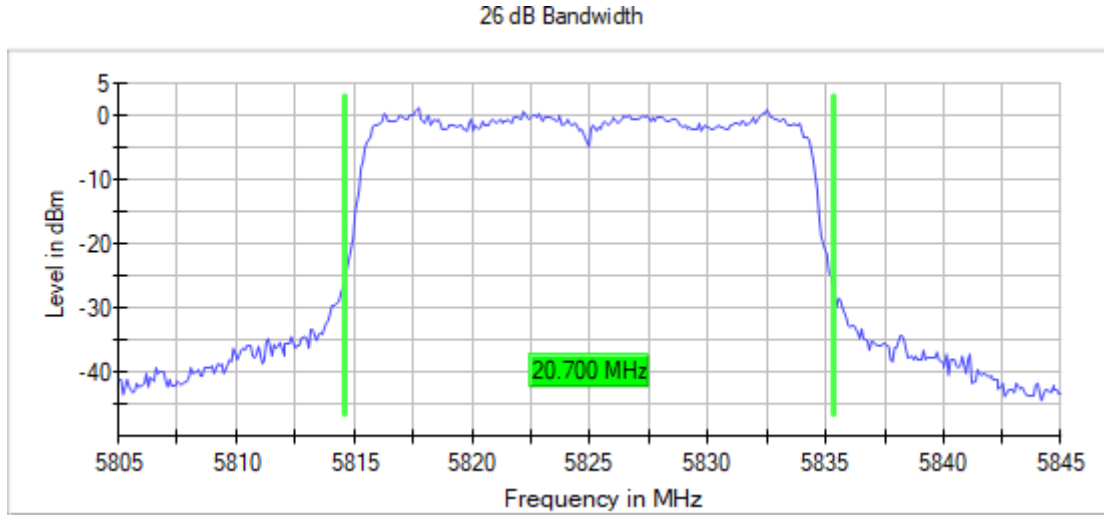
20:28:36 05.09.2023

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

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

MIMO Mode = SISO

Images:



21:03:32 05.09.2023

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**

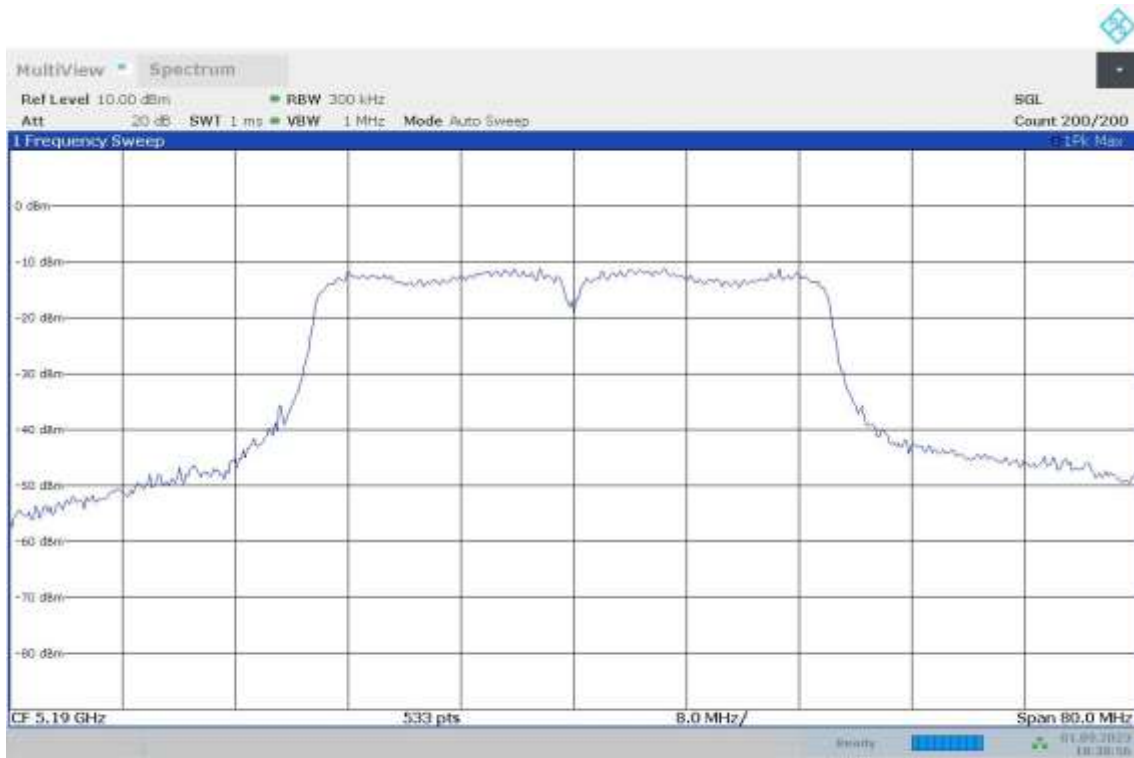
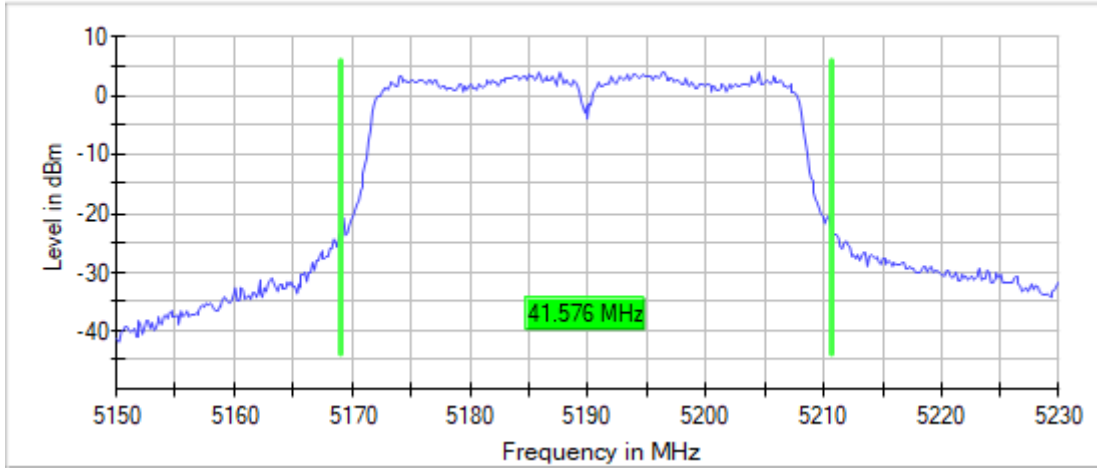
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

26 dB Bandwidth



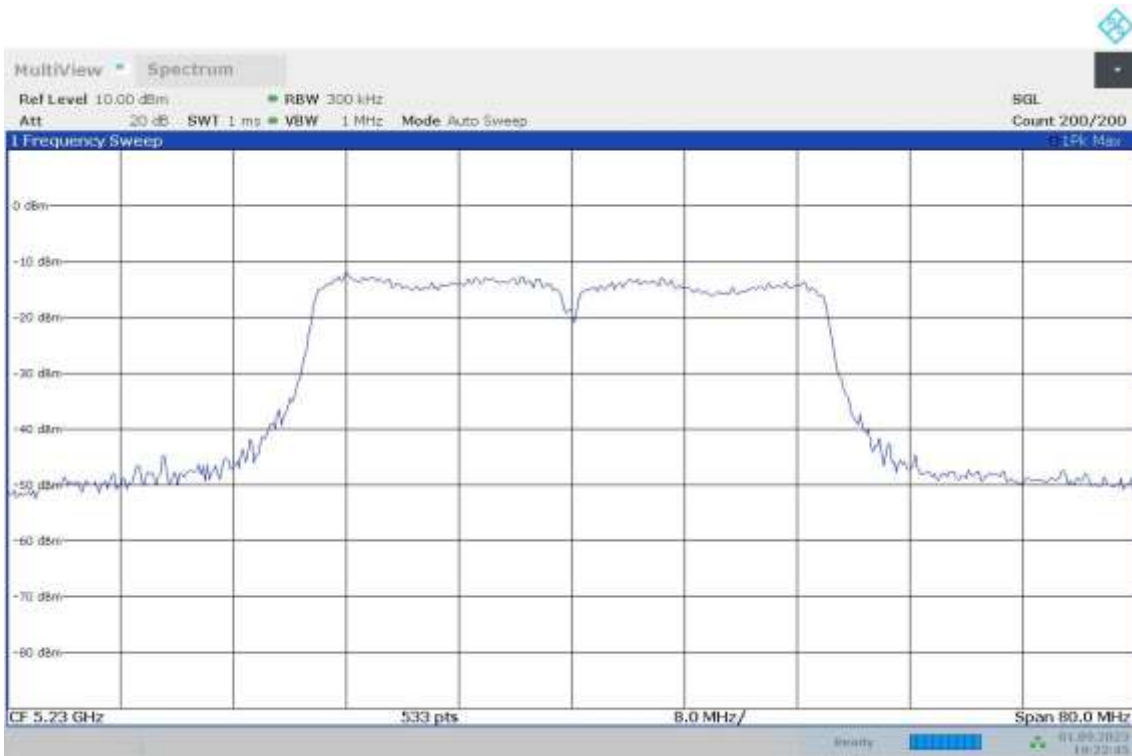
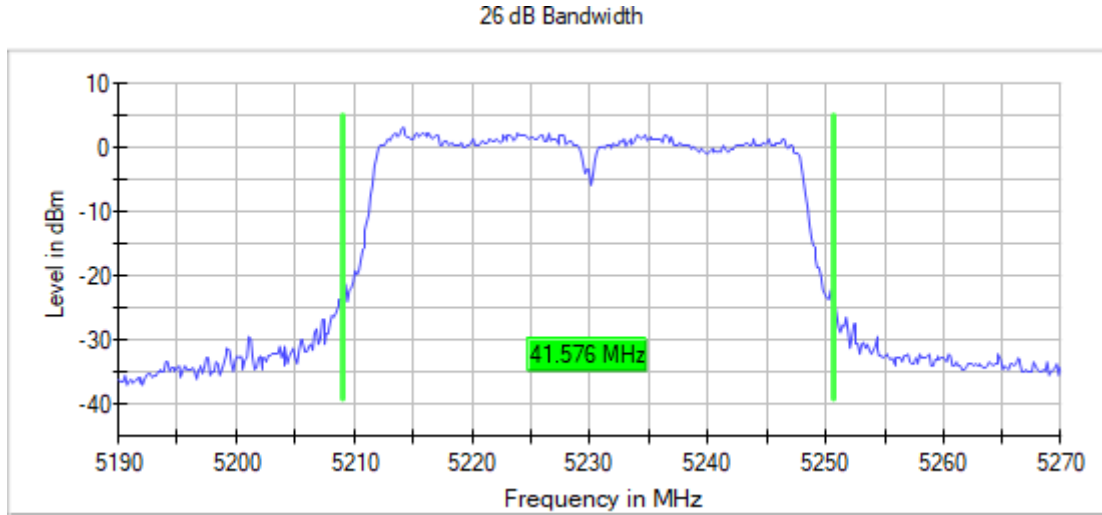
18:38:57 01.09.2023

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

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

MIMO Mode = SISO

Images:

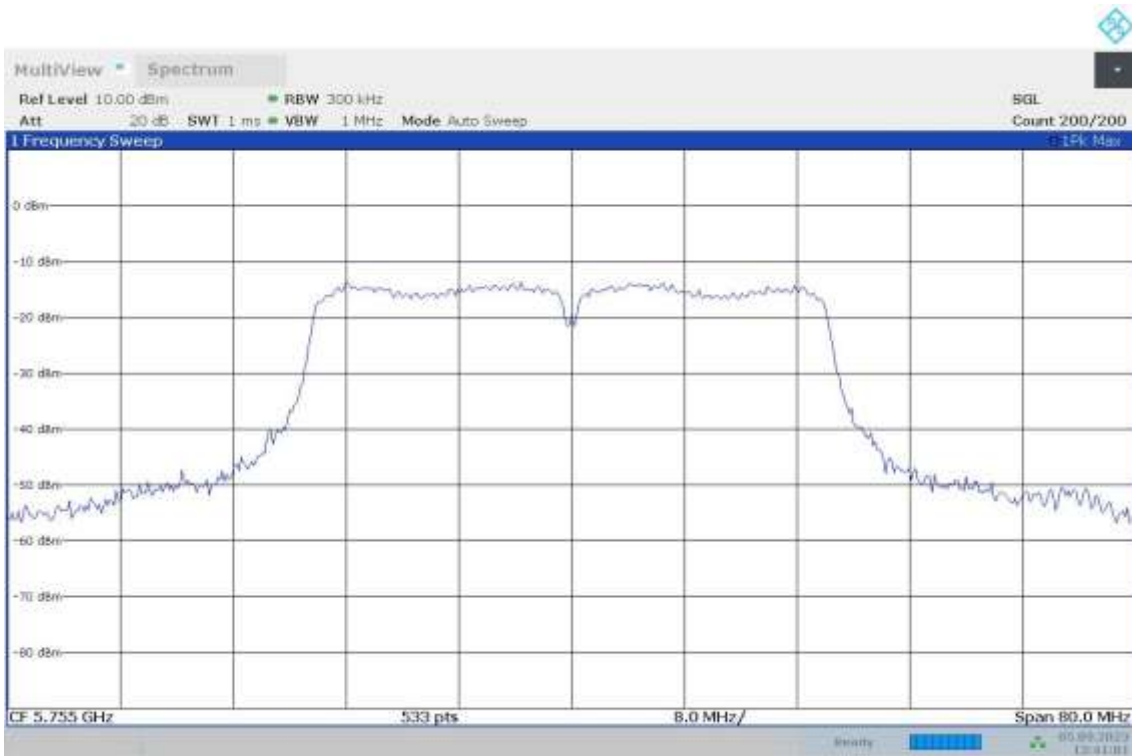
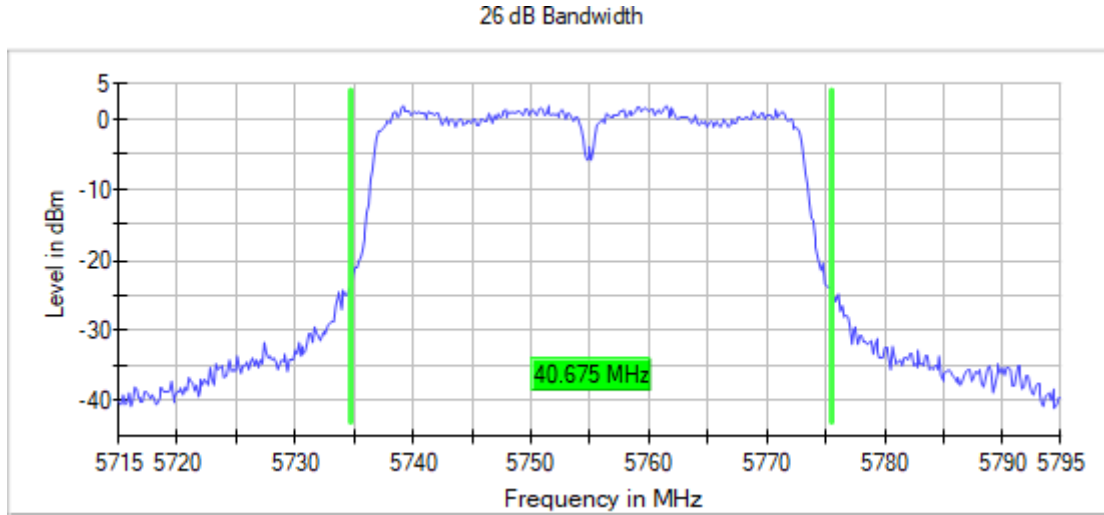


Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

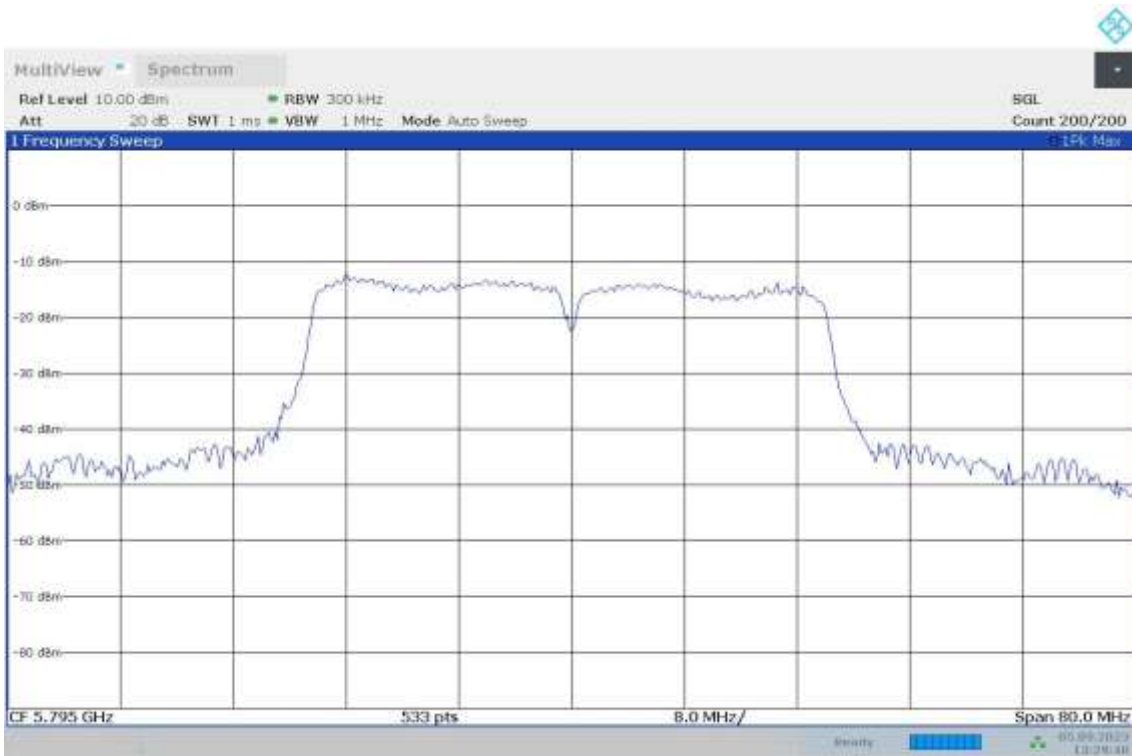
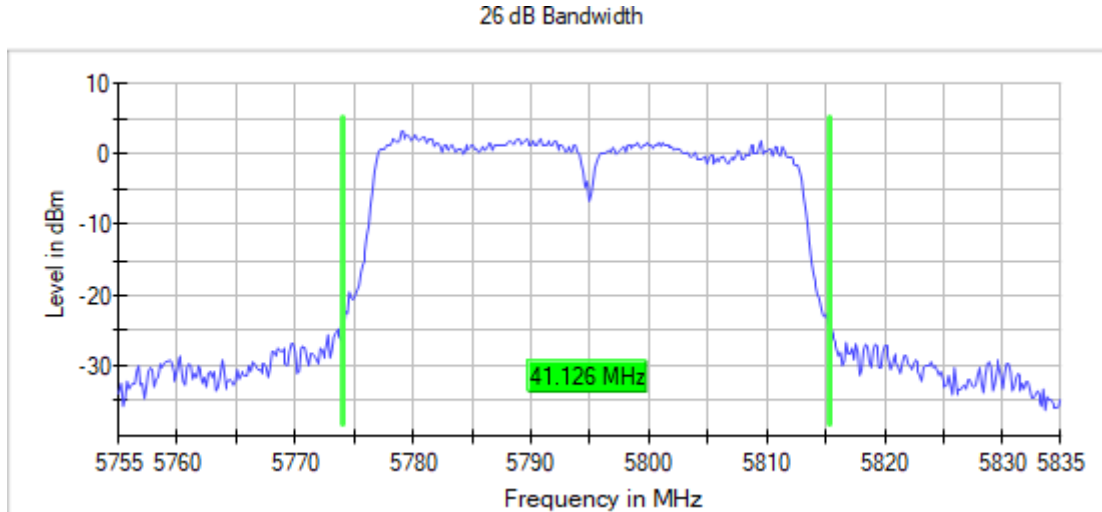


Operation Band MHz = [5150, 5850] Active Port = 1

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**

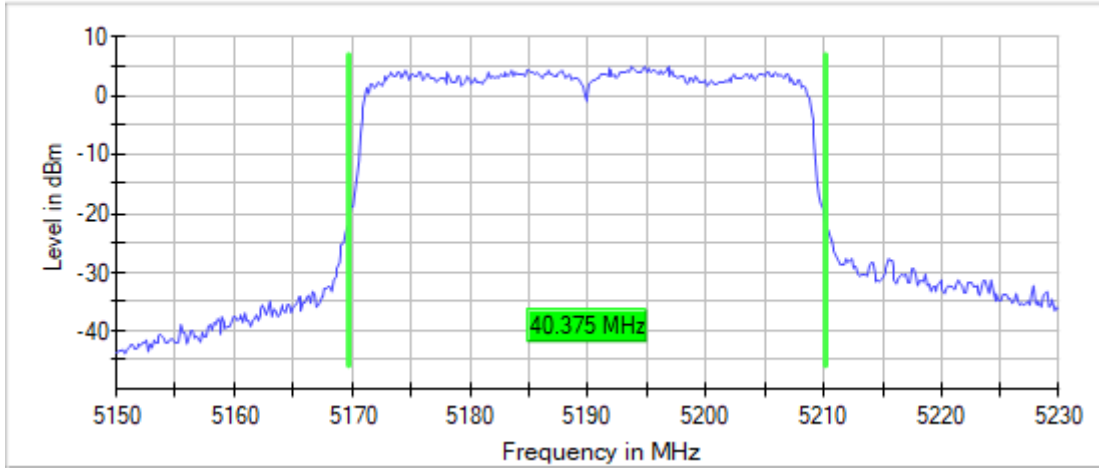
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

26 dB Bandwidth



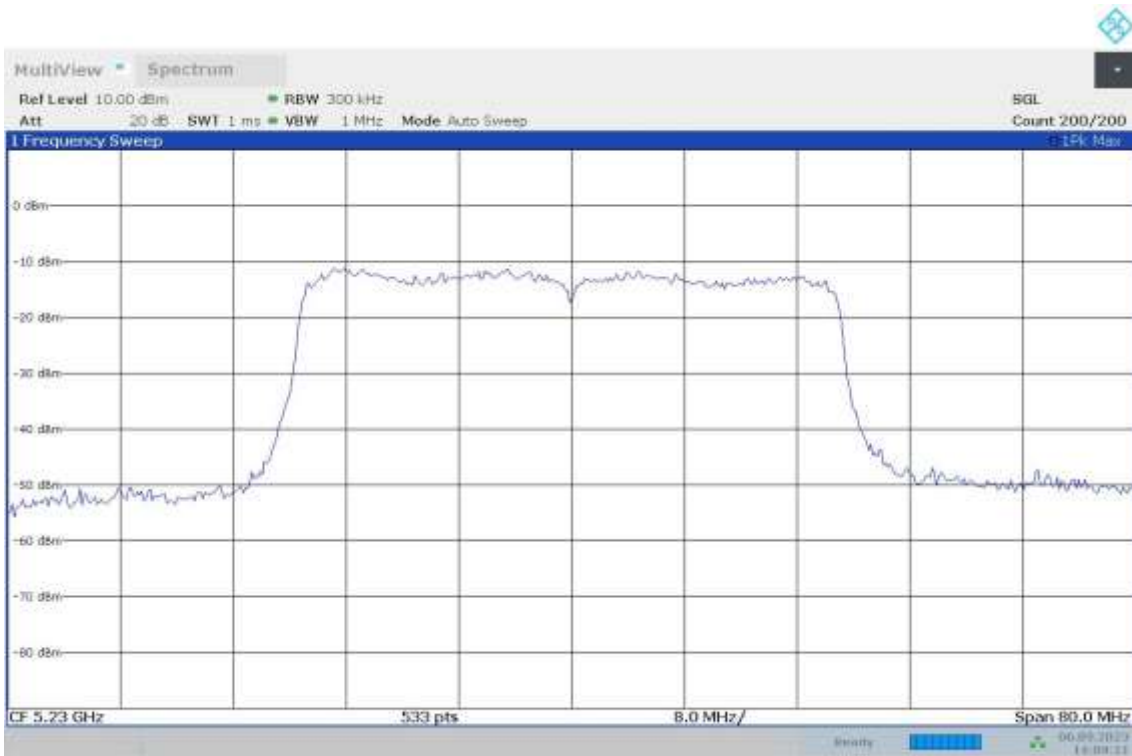
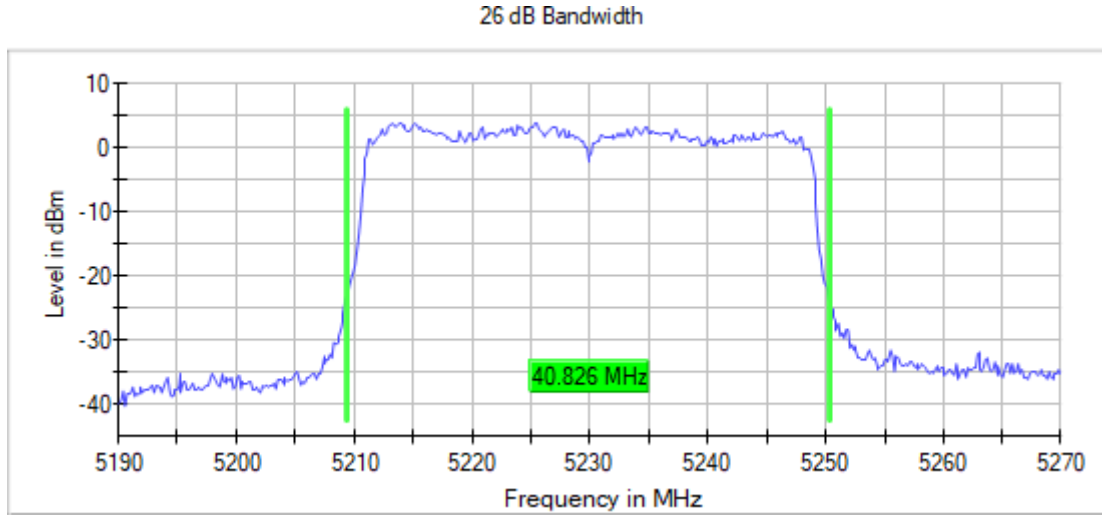
13:11:51 06.09.2023

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

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

MIMO Mode = SISO

Images:



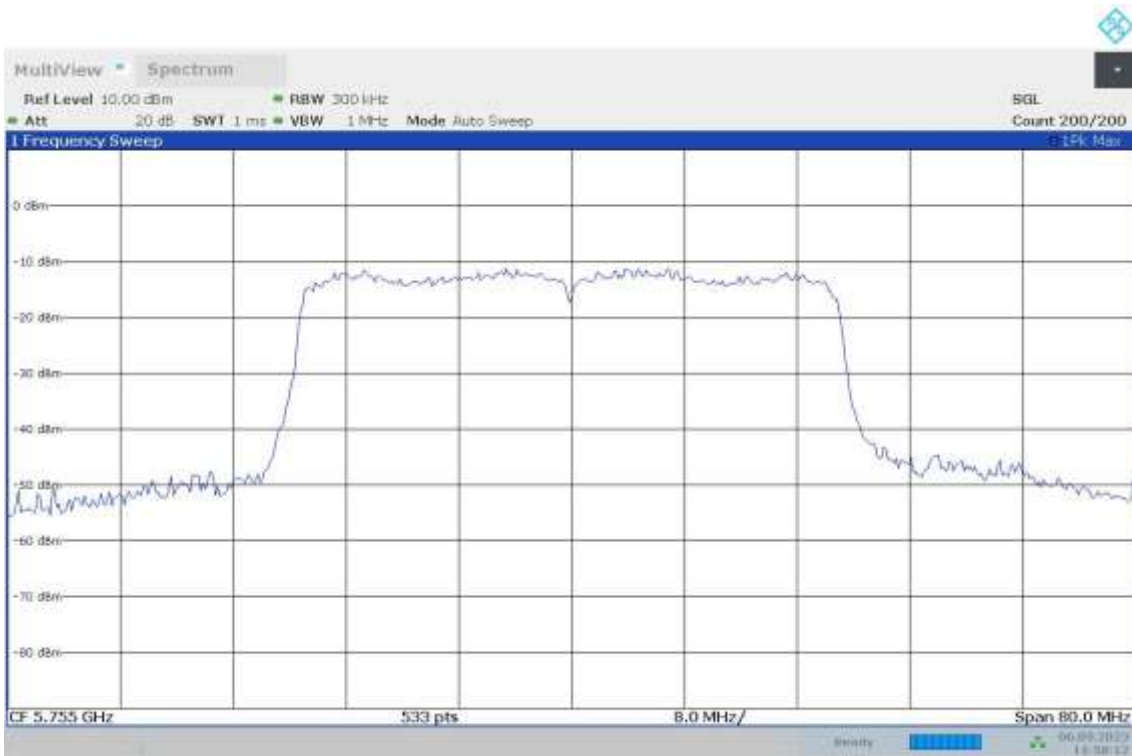
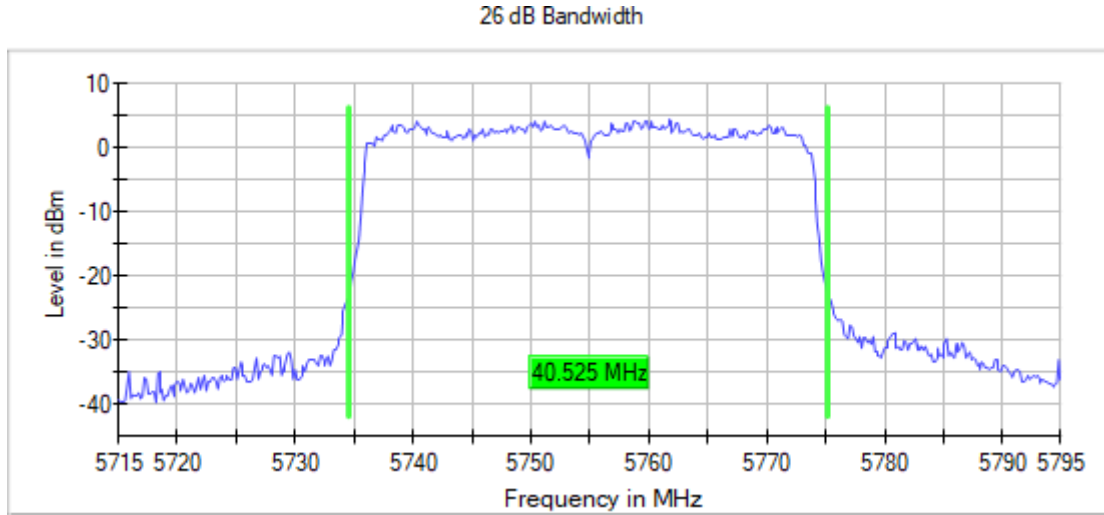
14:09:21 06.09.2023

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

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

MIMO Mode = SISO

Images:



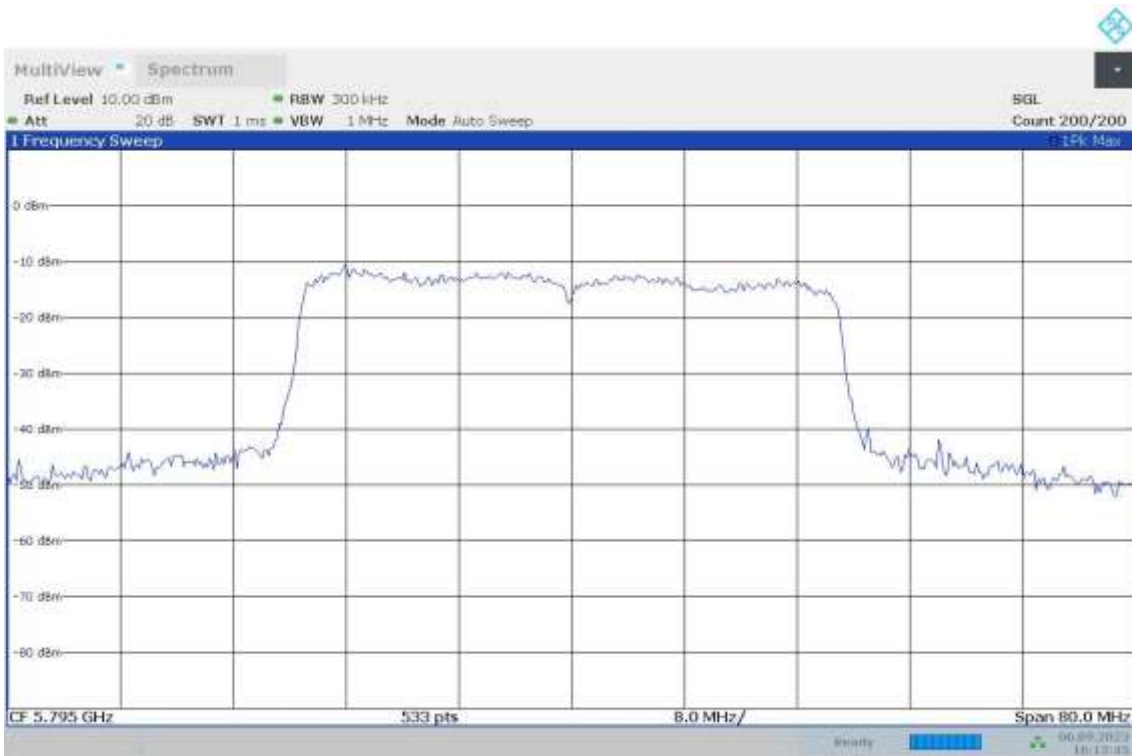
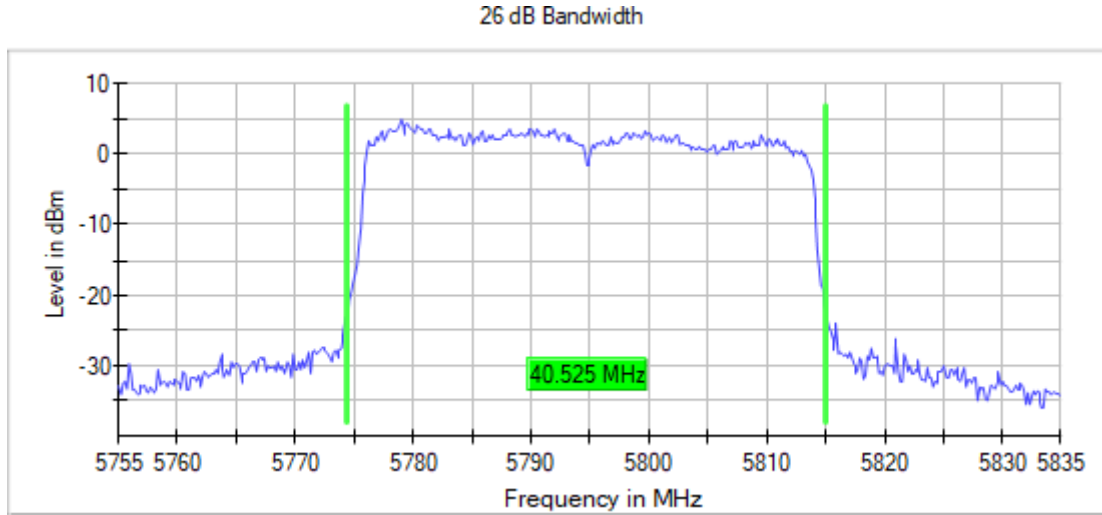
14:58:13 06.09.2023

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

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

MIMO Mode = SISO

Images:



16:12:45 06.09.2023

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**

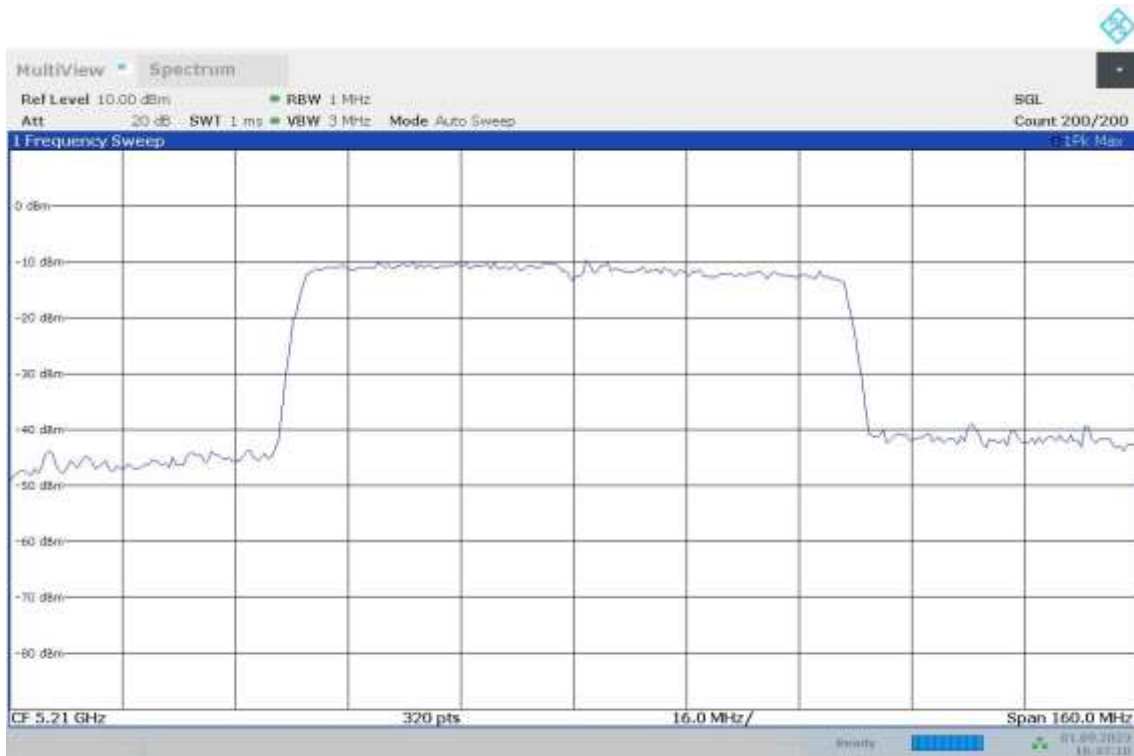
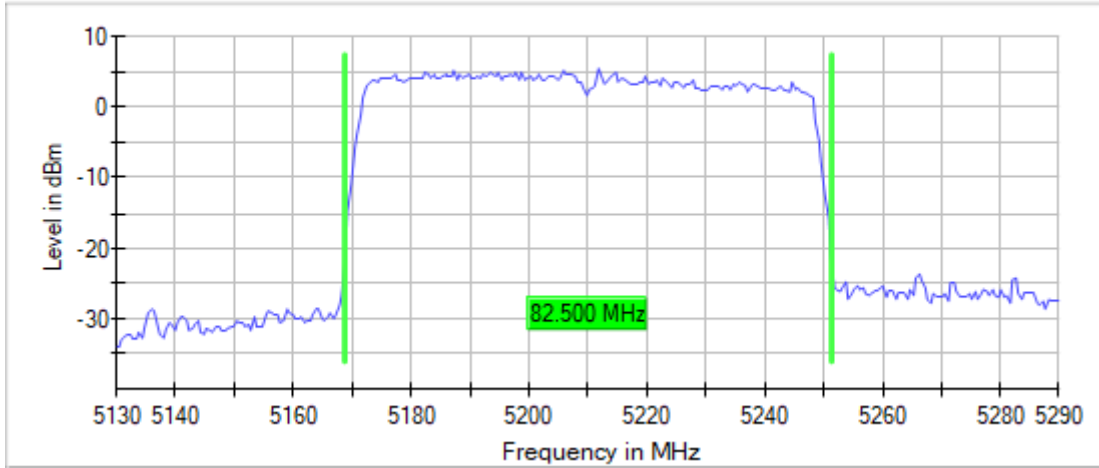
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

26 dB Bandwidth

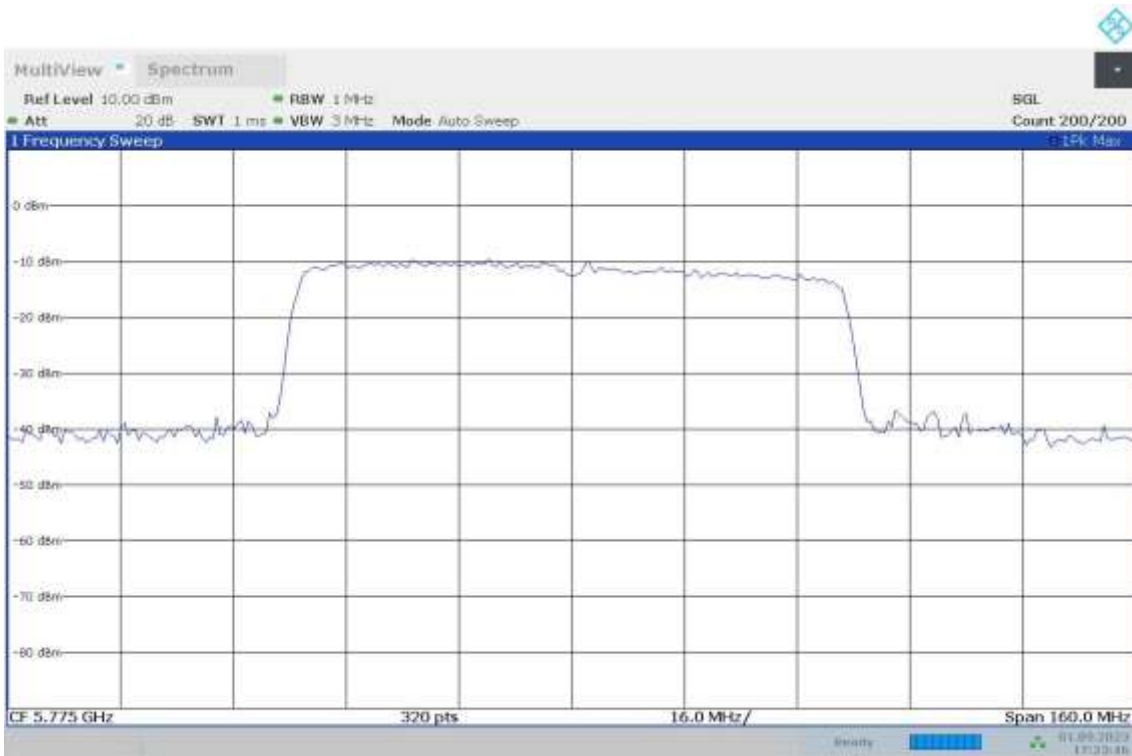
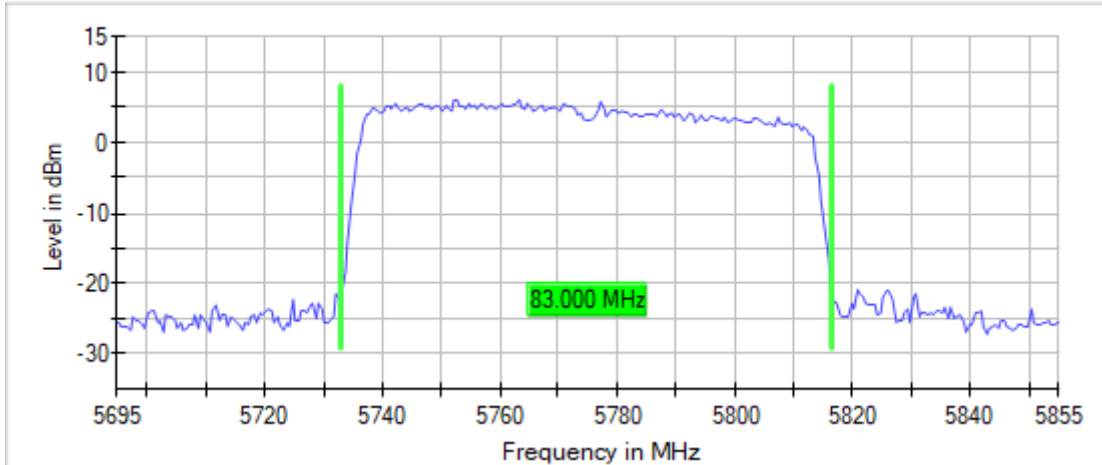


16:47:10 01.09.2023

Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5775.00000        Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)  
MIMO Mode = SISO

**Images:**

26 dB Bandwidth





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**

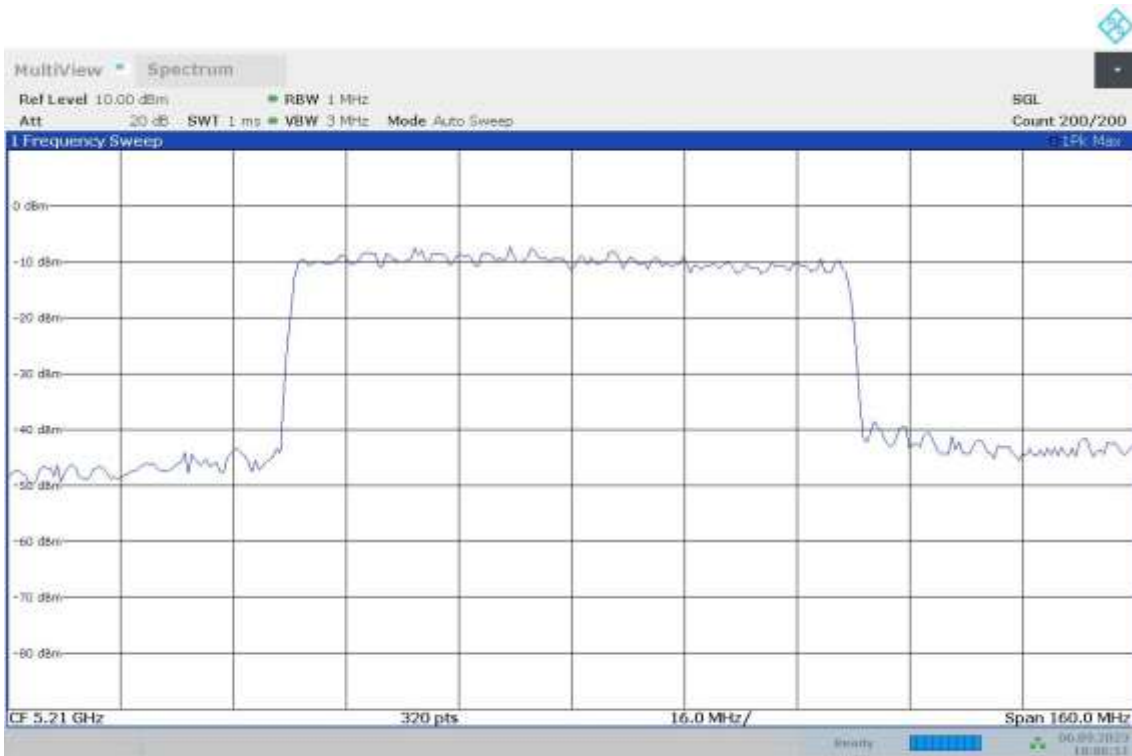
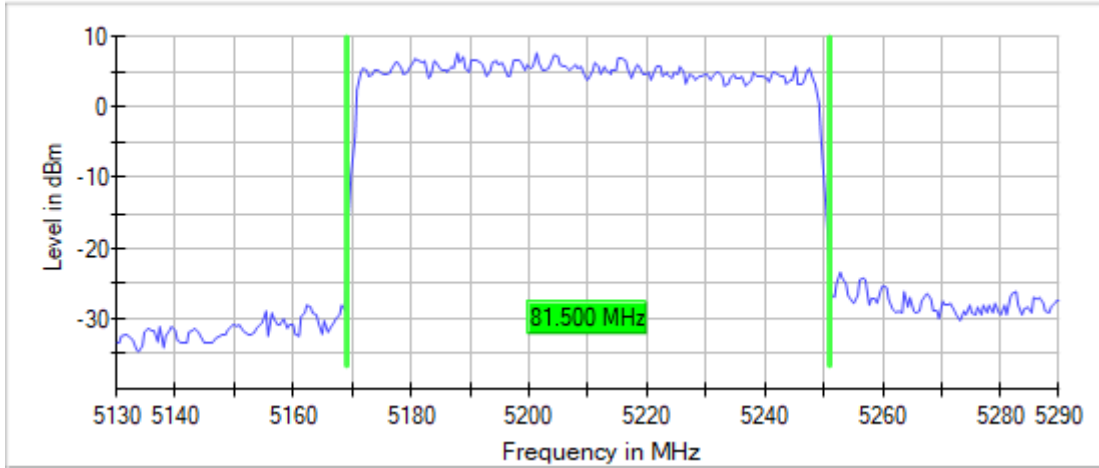
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

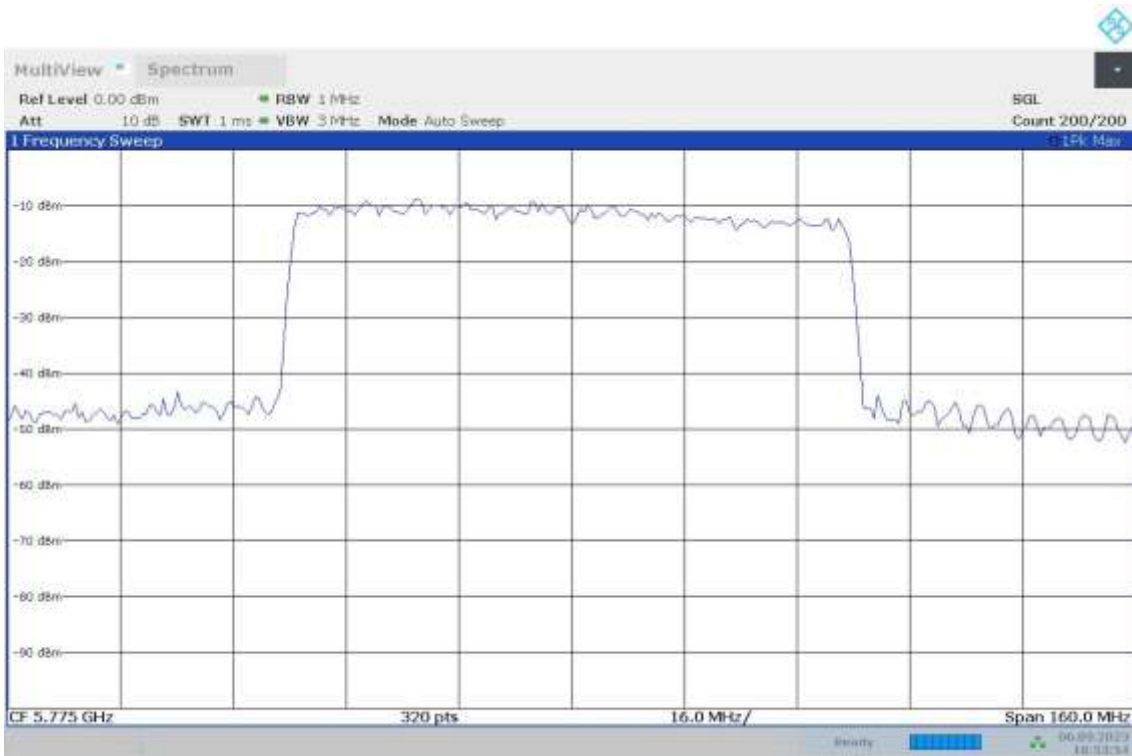
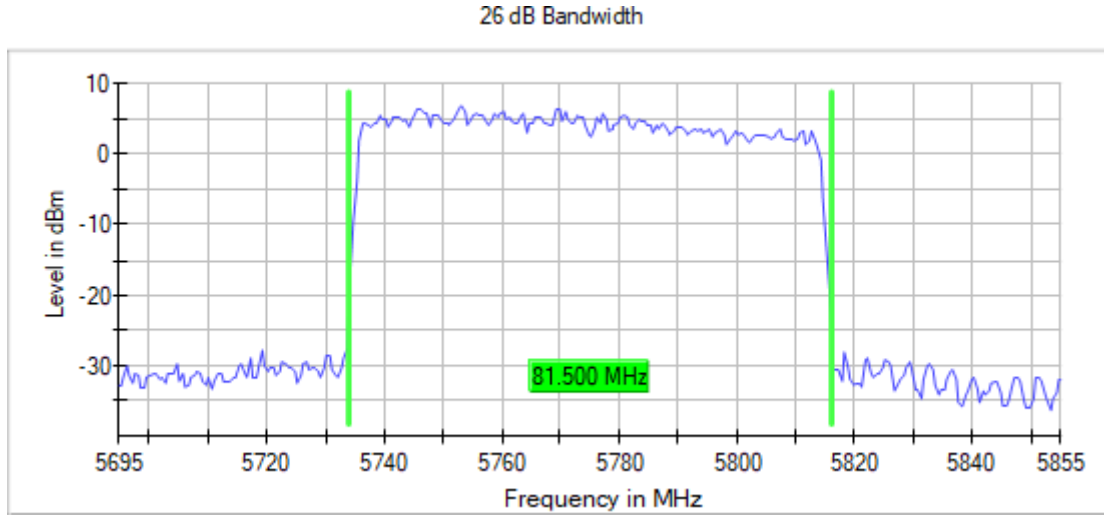
26 dB Bandwidth



18:06:51 06.09.2023

Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5775.00000    Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)  
MIMO Mode = SISO

Images:



18:53:55 06.09.2023

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

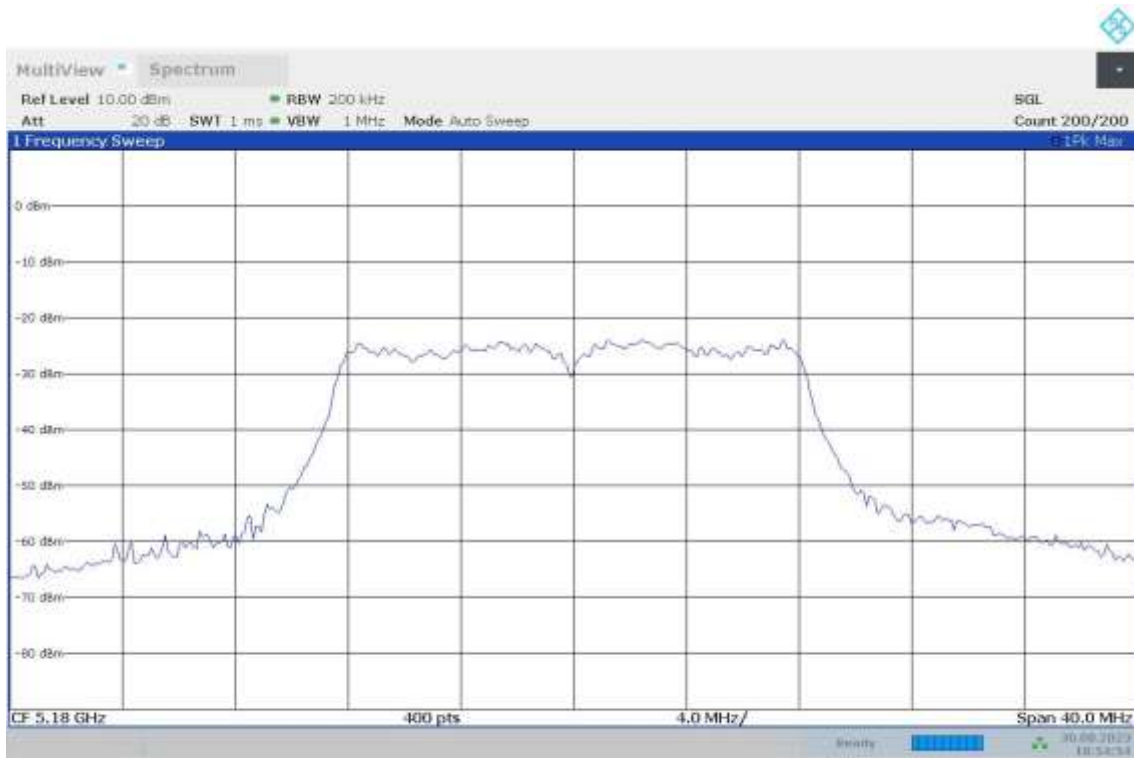
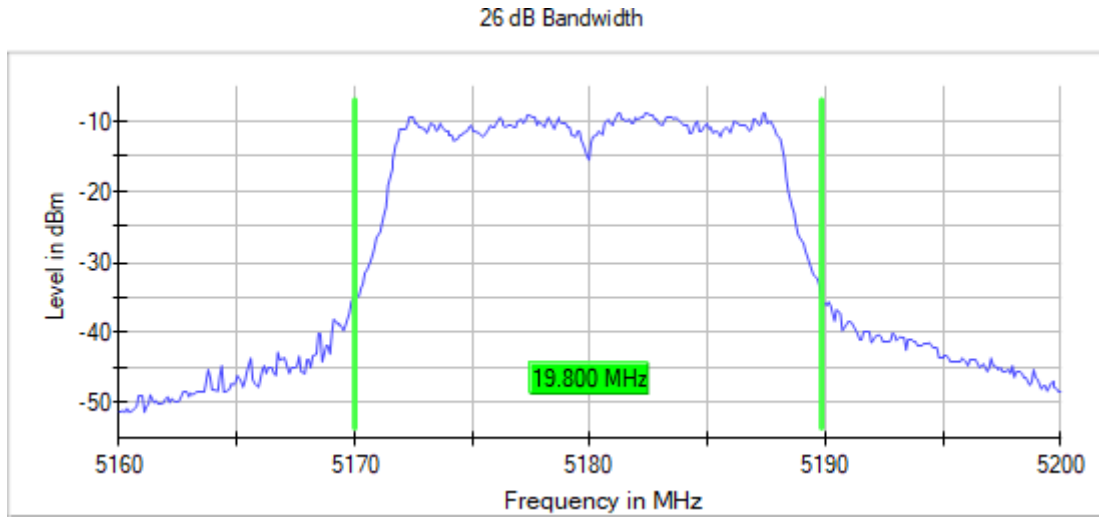
**Verdict**

Pass

**Attachments**

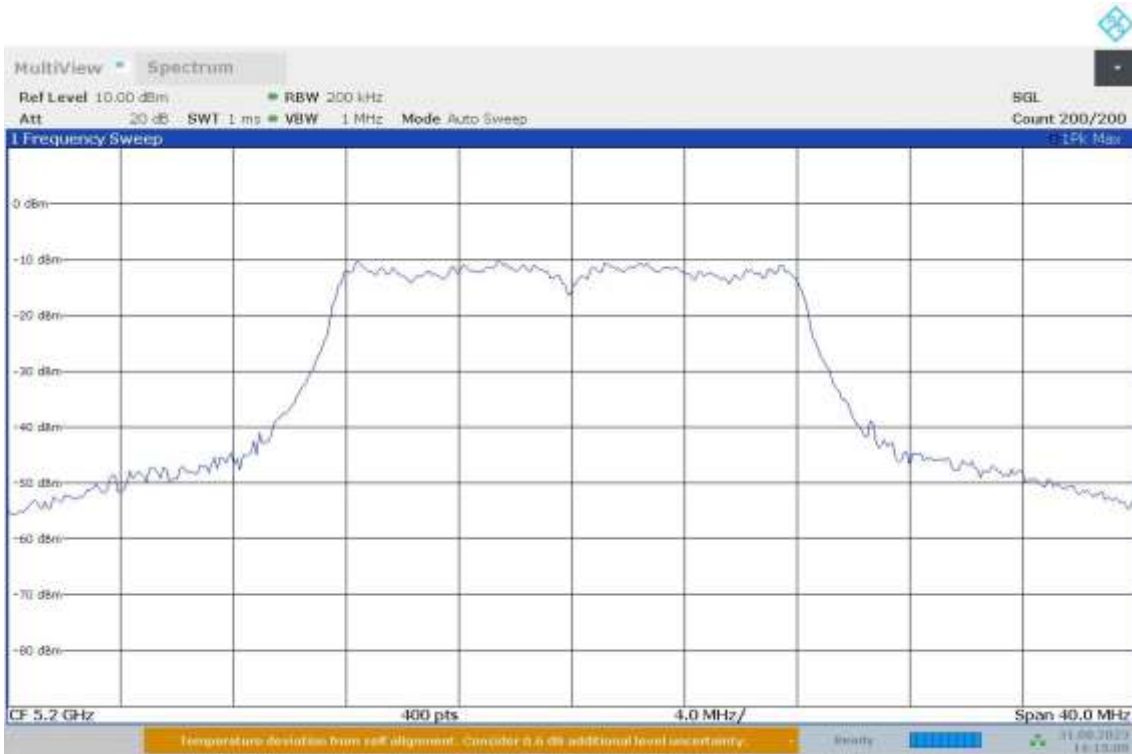
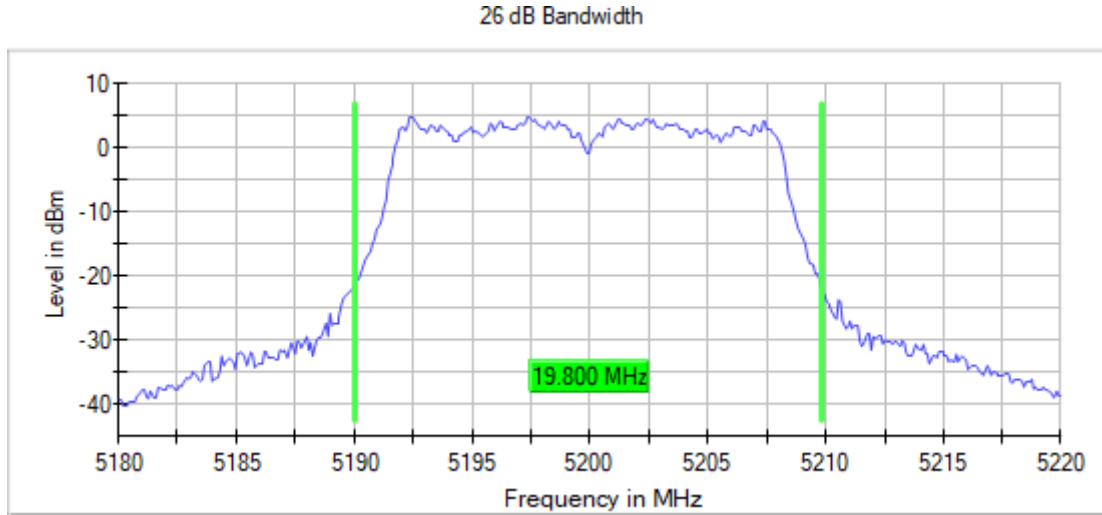
Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5180.00000    Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

**Images:**



Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5200.00000        Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

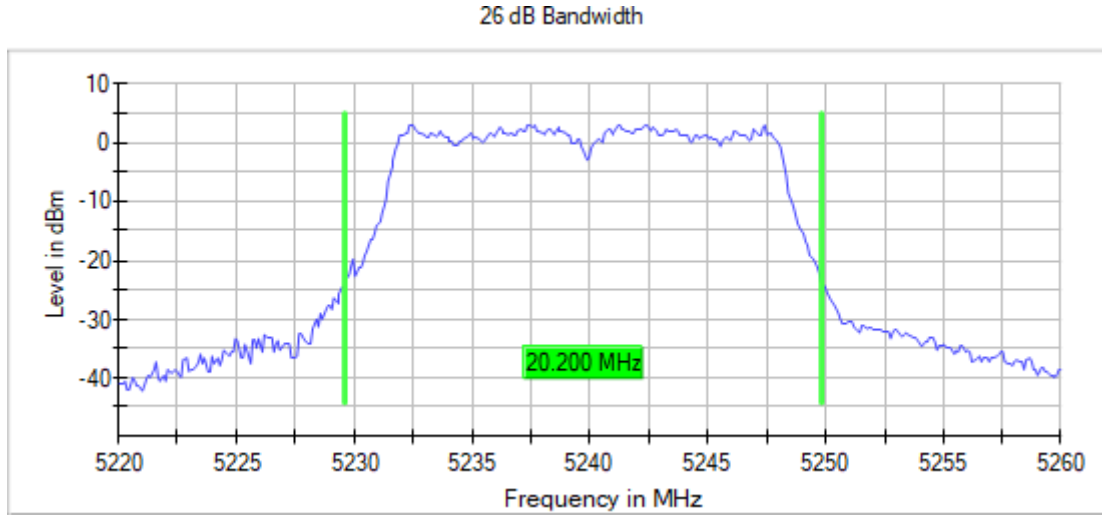
Images:



14:15:10 31.08.2023

Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5240.00000    Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

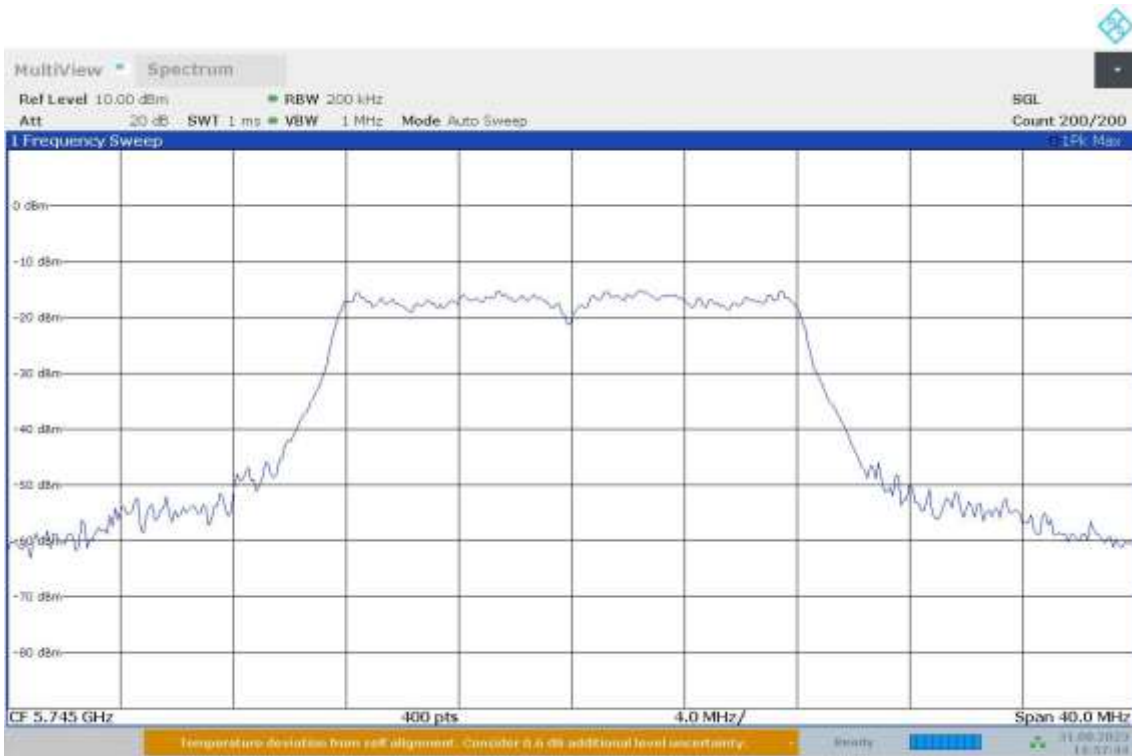
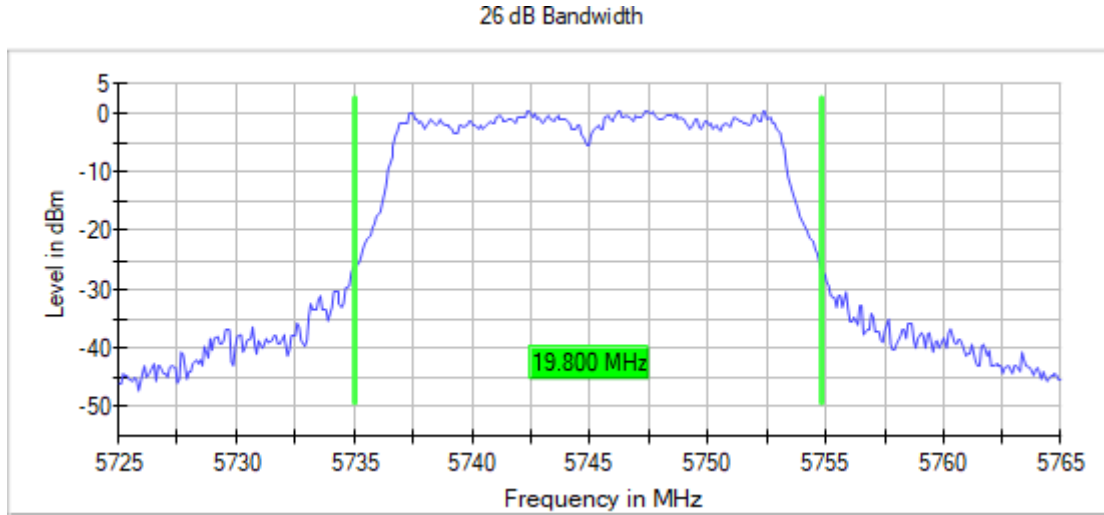
Images:



14:35:11 31.08.2023

Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5745.00000    Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

Images:

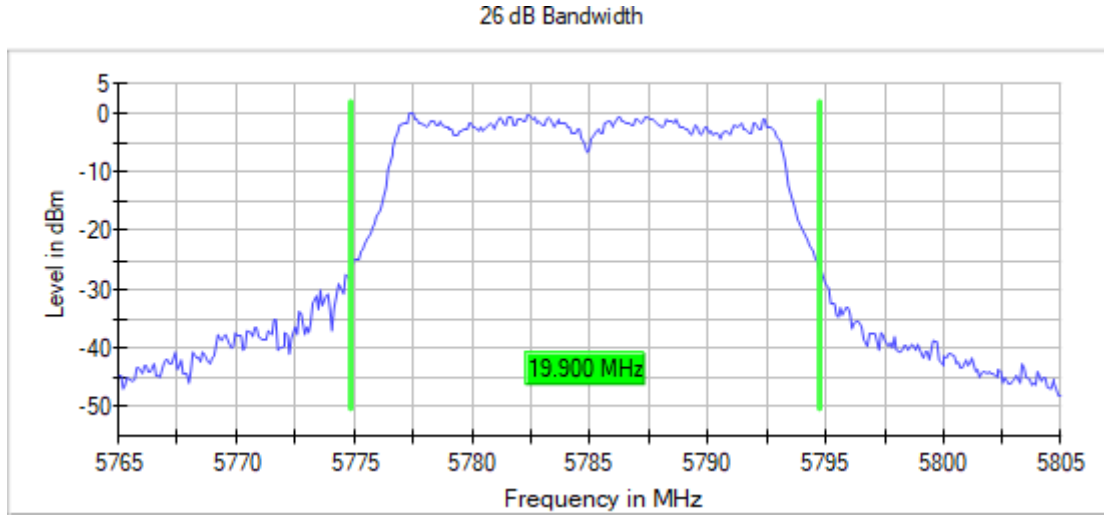


14:57:45 31.08.2023



Operation Band MHz = [5150, 5850] Active Port = 1  
Frequency MHz = 5785.00000 Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

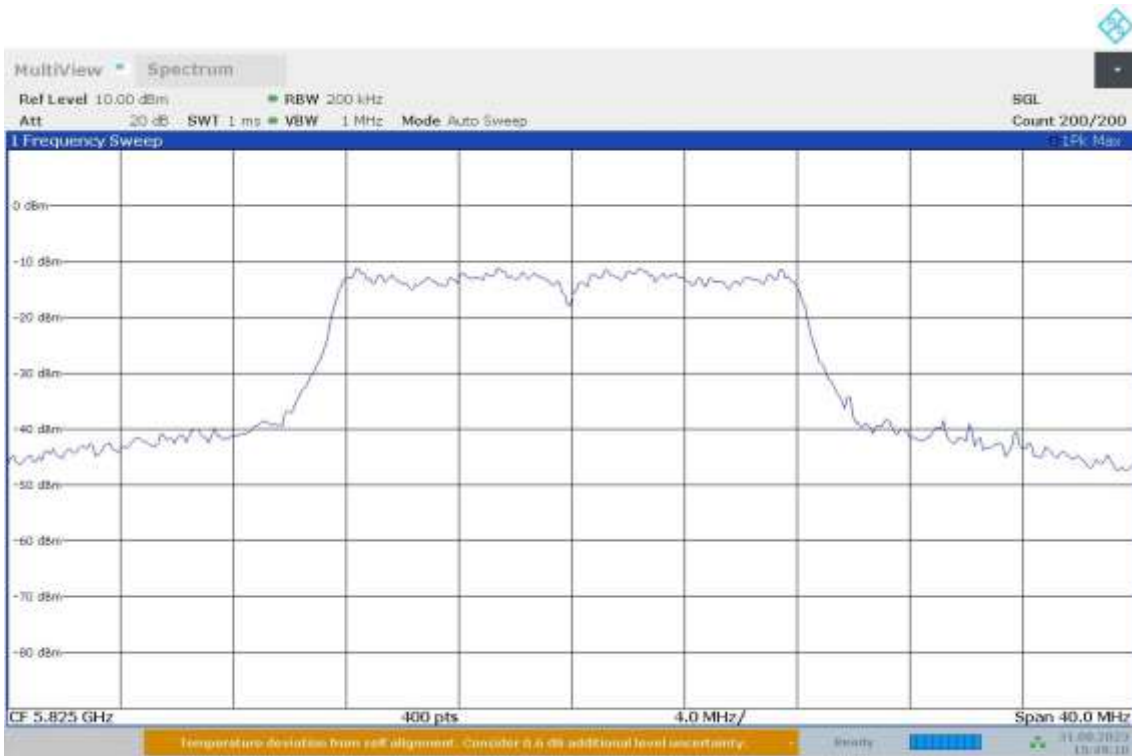
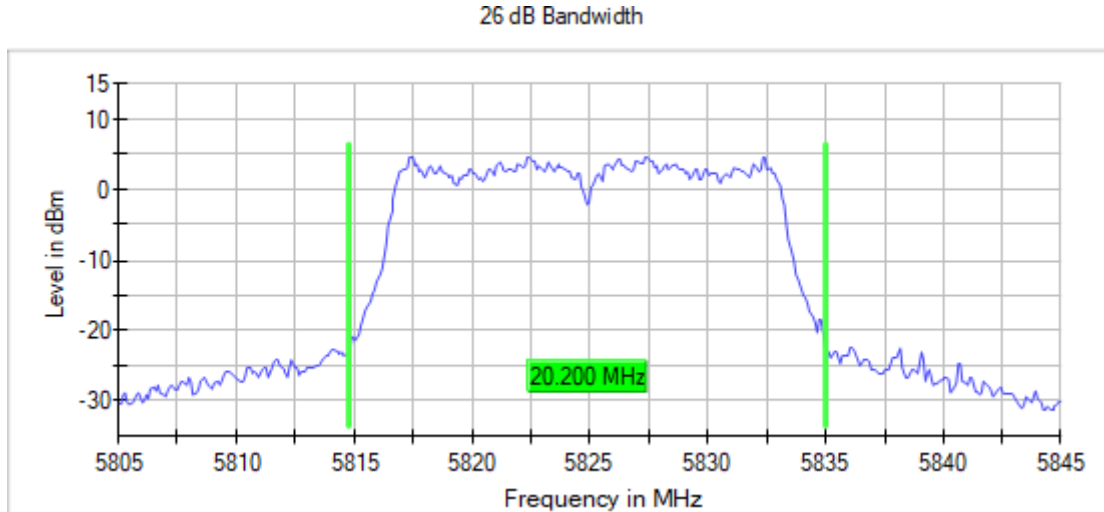
Images:



15:23:41 31.08.2023

Operation Band MHz = [5150, 5850] Active Port = 1  
Frequency MHz = 5825.00000 Modulation = 802.11a (OFDM 6 Mbit/s)  
MIMO Mode = SISO

Images:



15:49:10 31.08.2023

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**

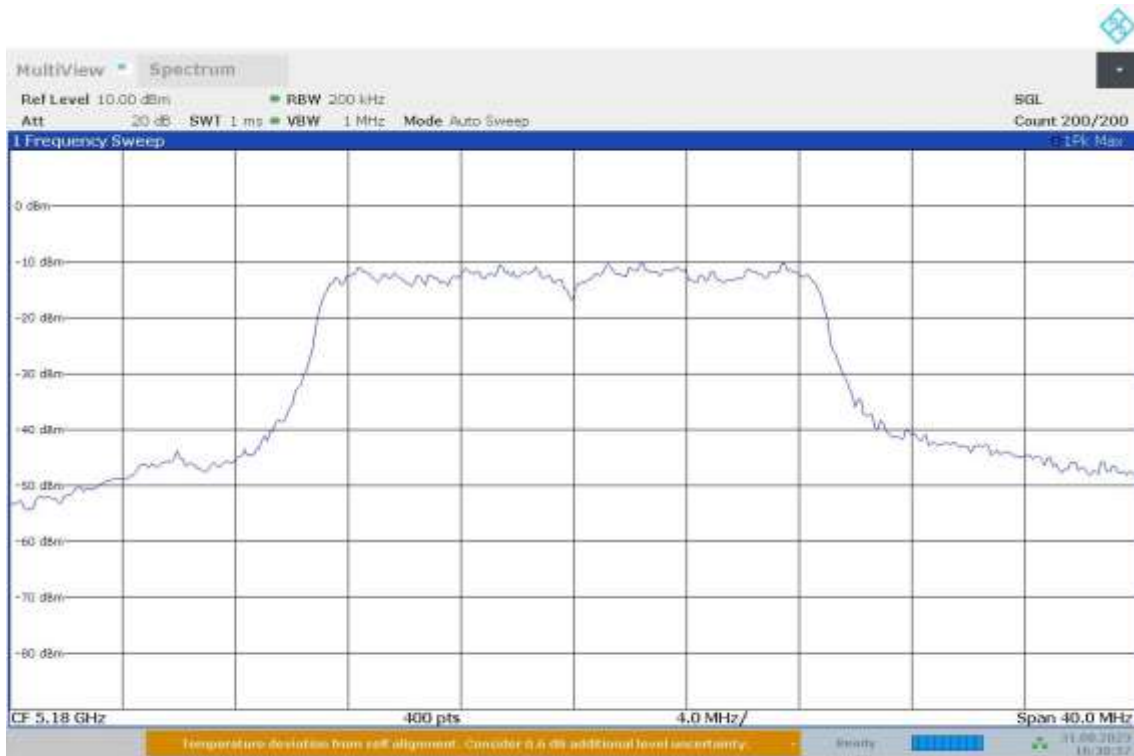
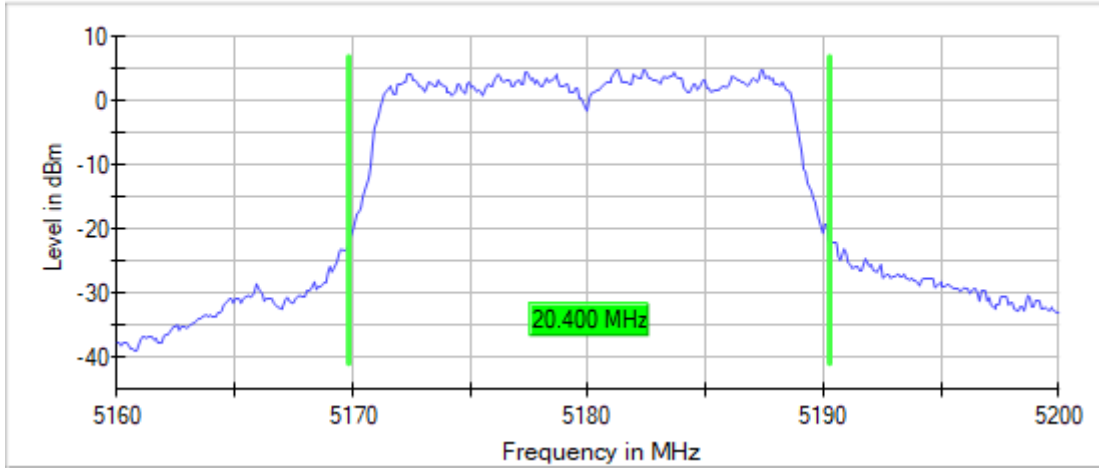
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

26 dB Bandwidth



16:30:57 31.08.2023

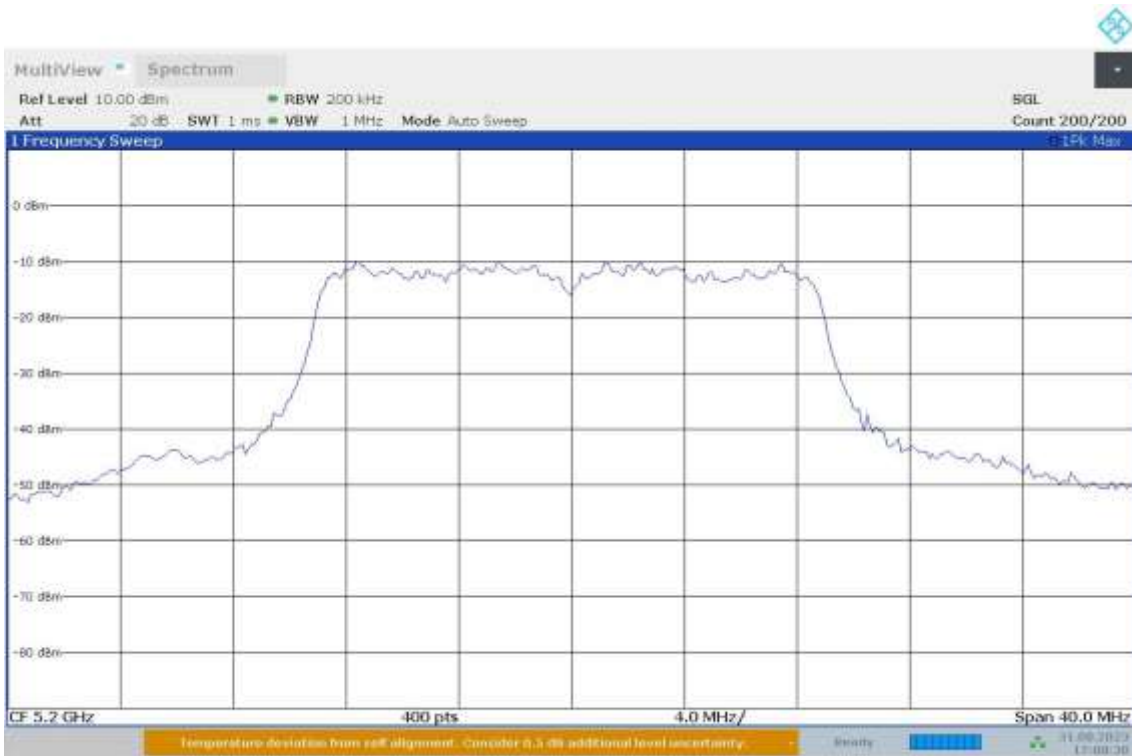
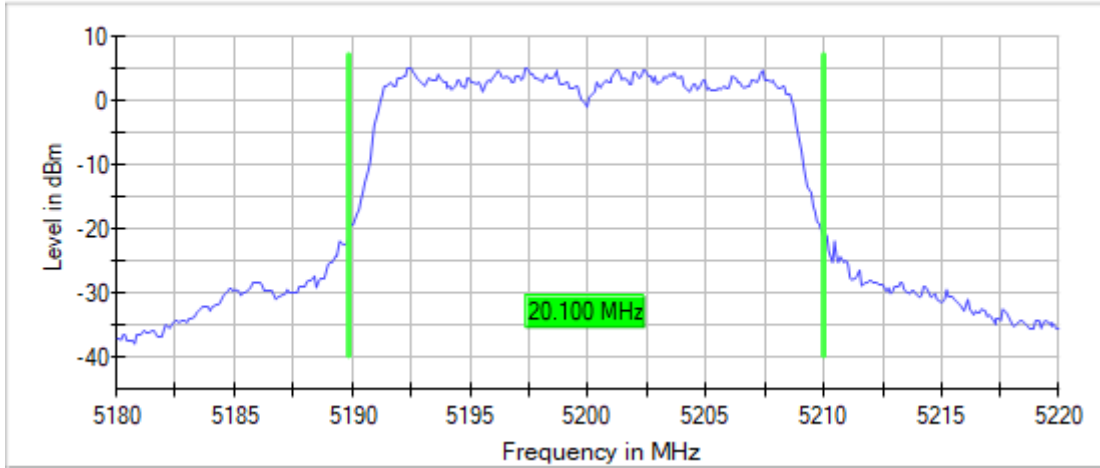
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

26 dB Bandwidth



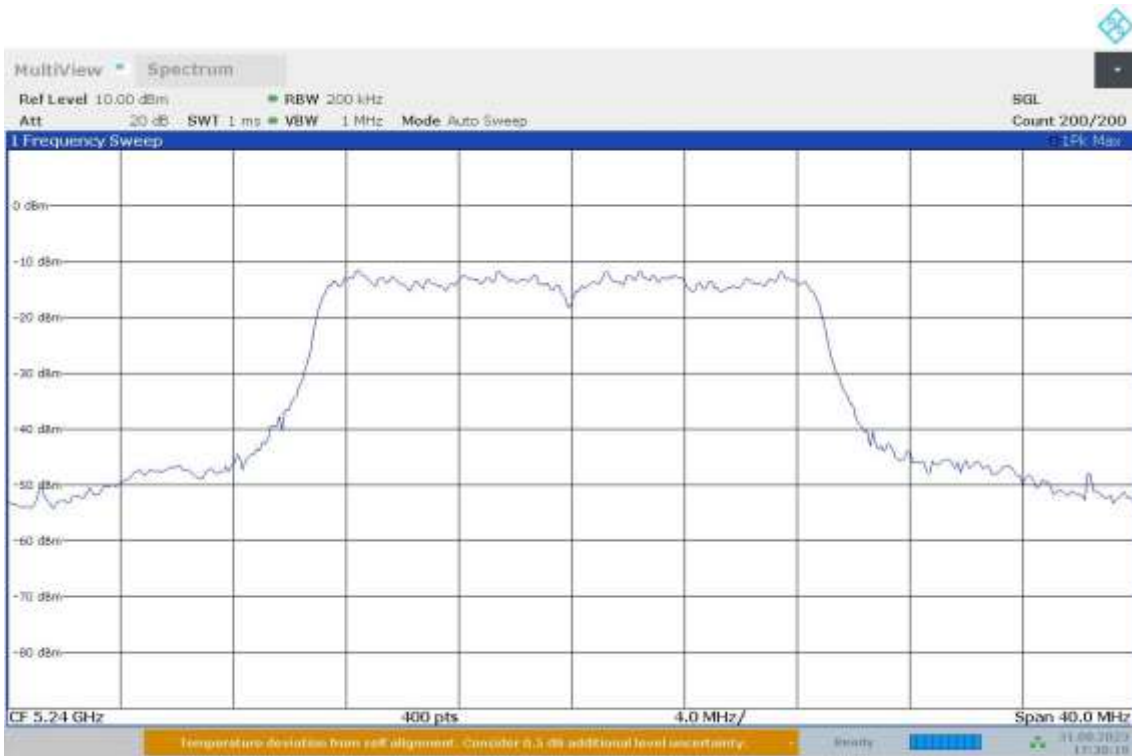
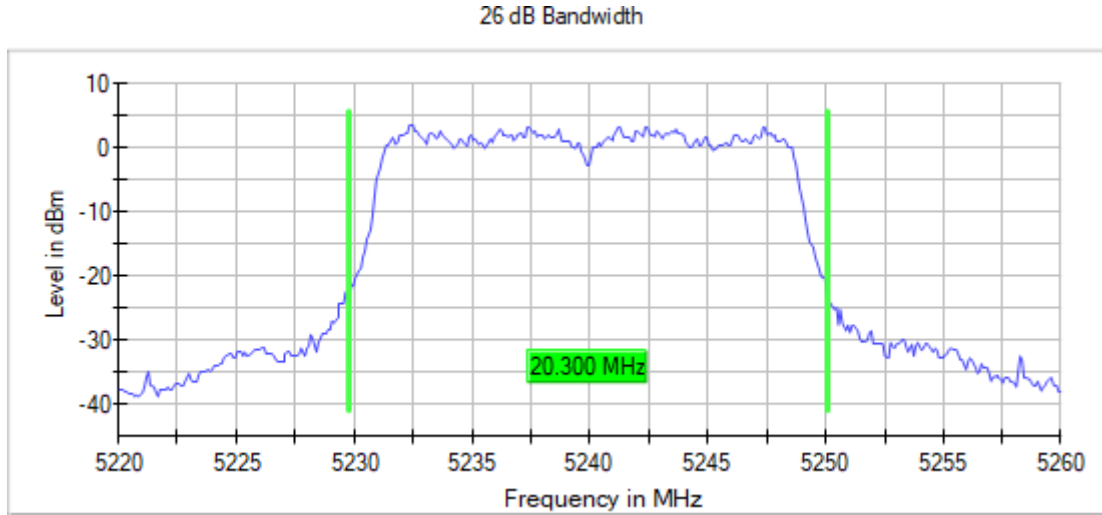
17:08:38 31.08.2023

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

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

MIMO Mode = SISO

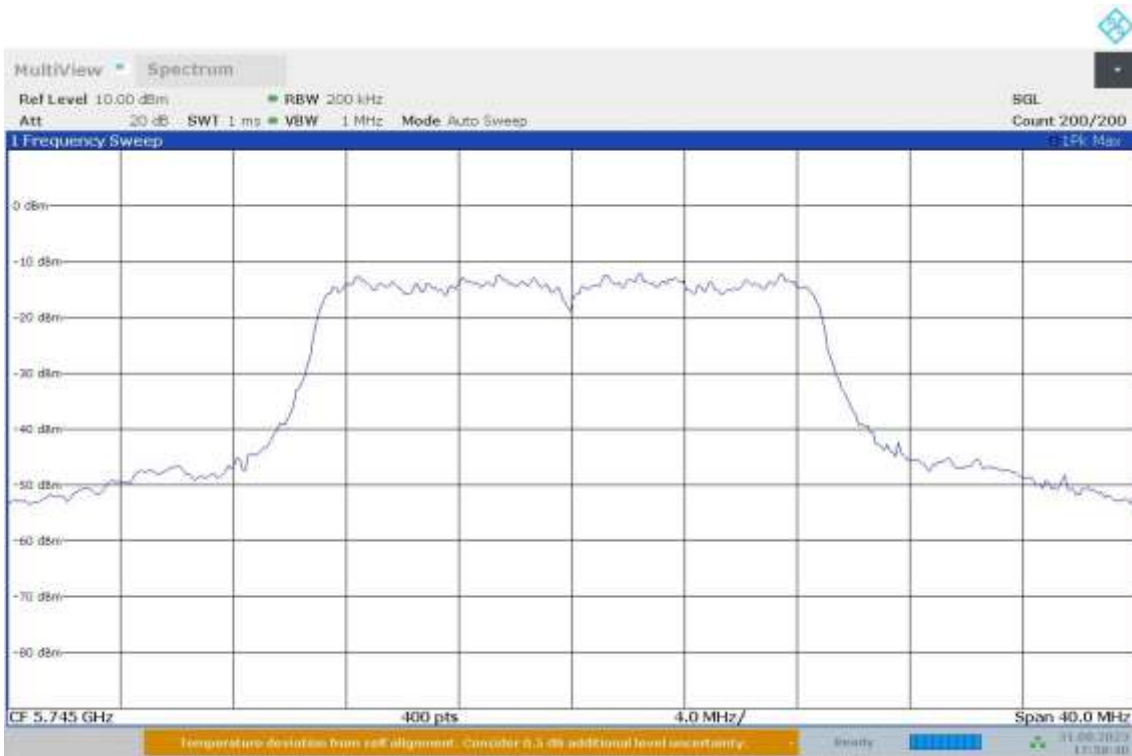
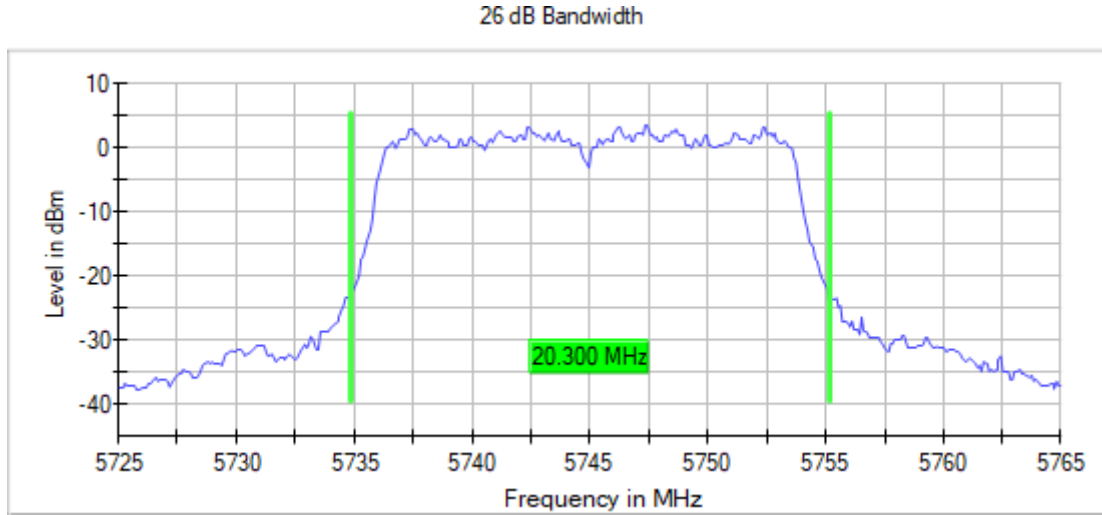
Images:



17:30:20 31.08.2023

Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5745.00000        Modulation = 802.11n HT20 (OFDM MCS0)  
MIMO Mode = SISO

Images:



17:58:41 31.08.2023

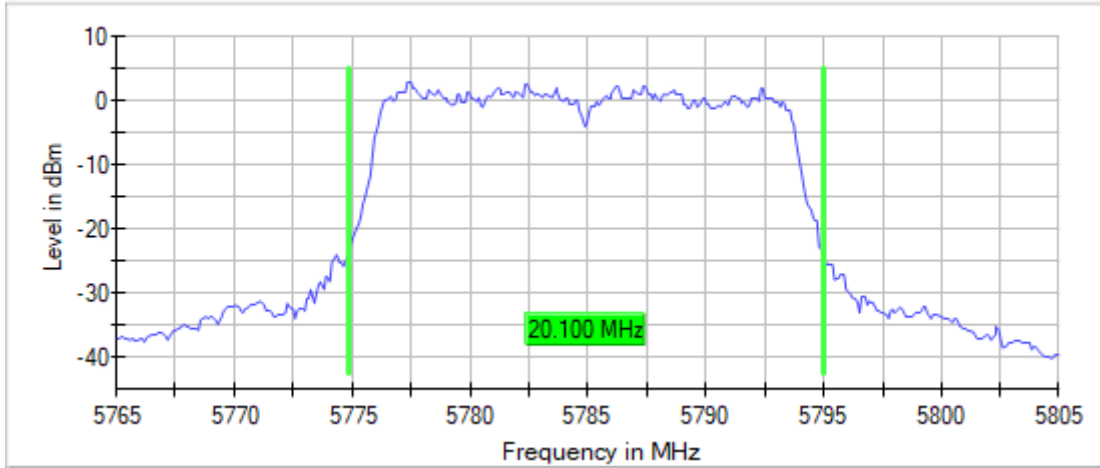
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

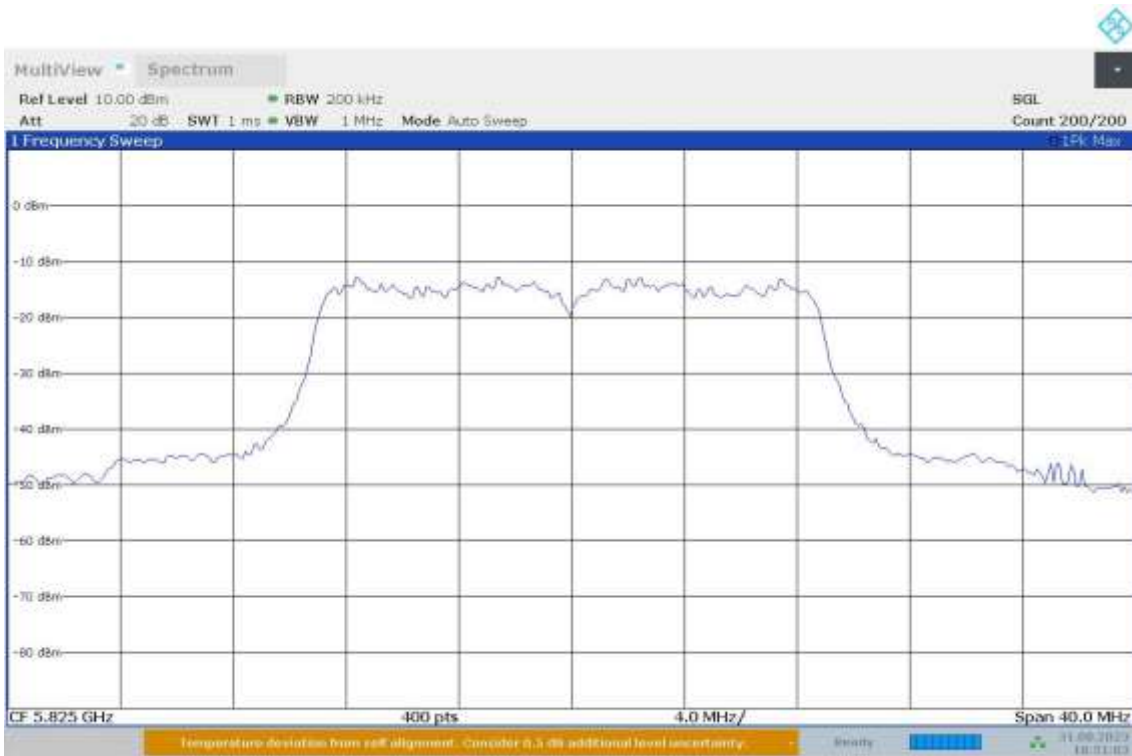
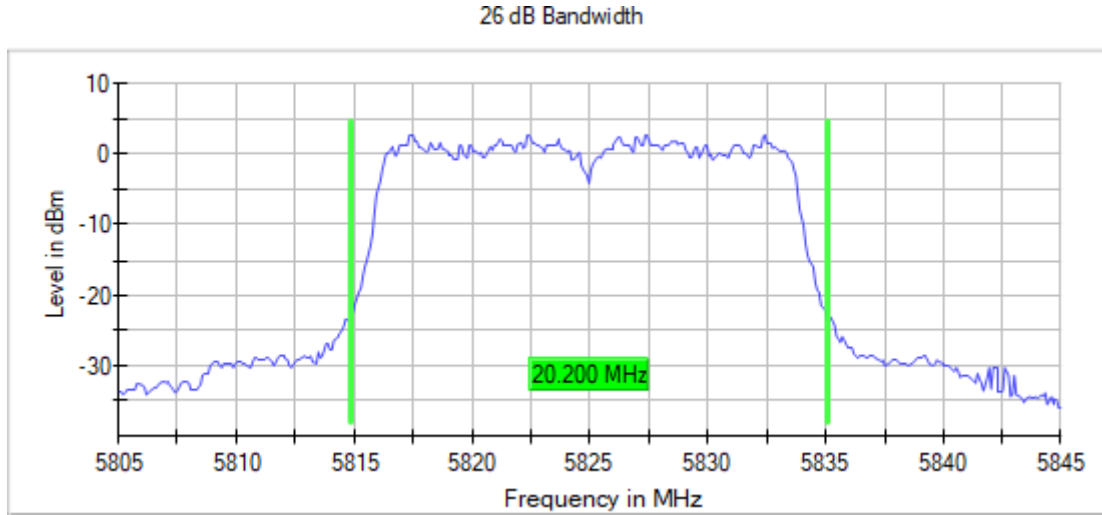
26 dB Bandwidth





Operation Band MHz = [5150, 5850]    Active Port = 1  
Frequency MHz = 5825.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
MIMO Mode = SISO

Images:



18:51:03 31.08.2023

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**

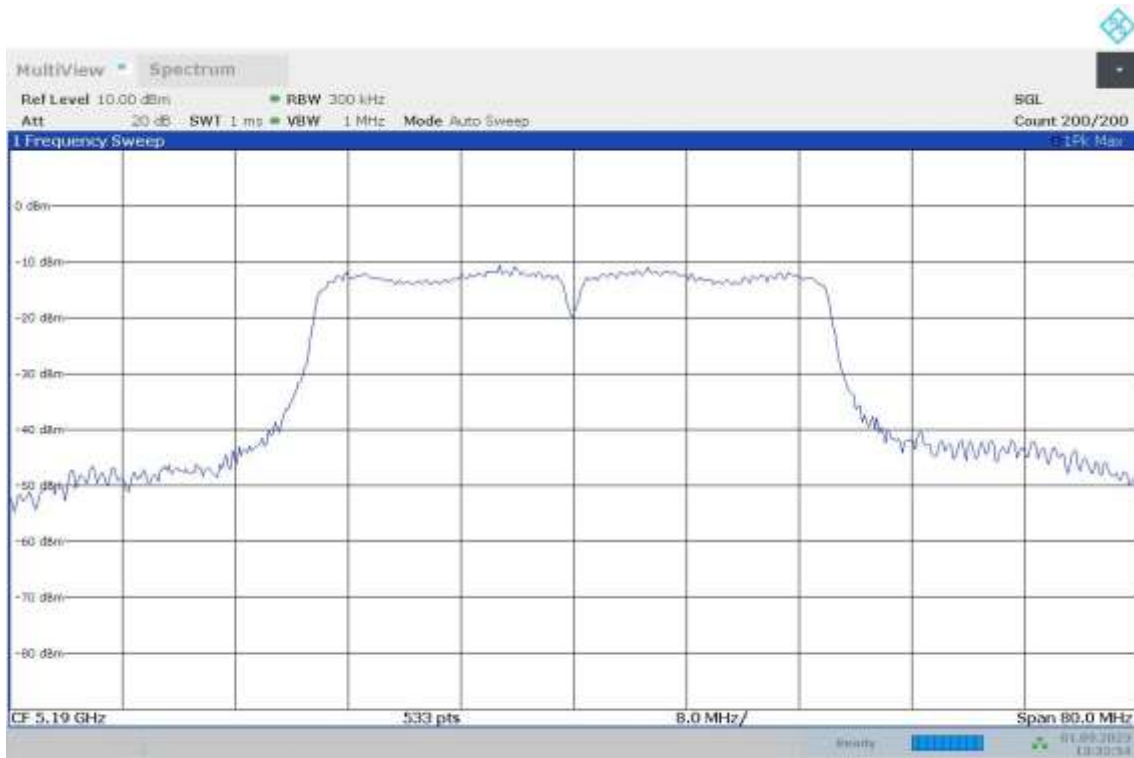
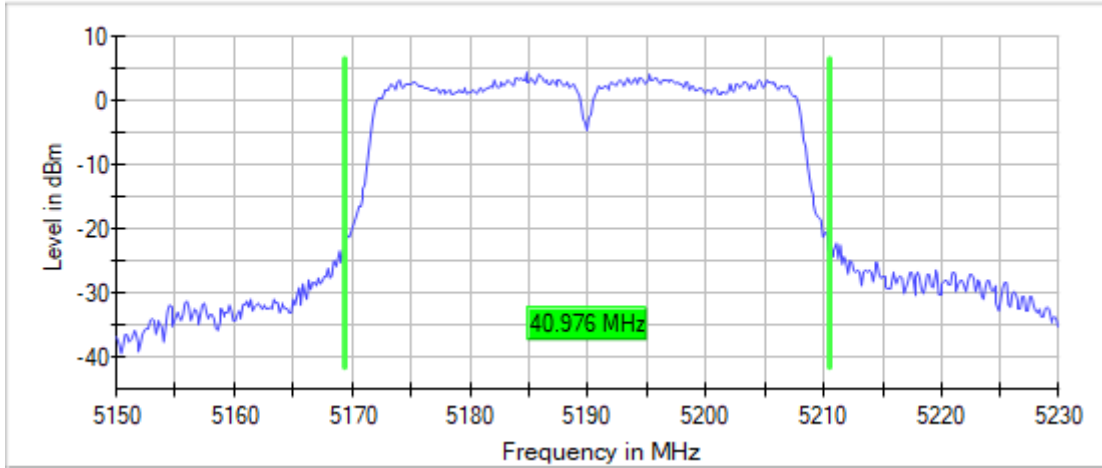
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

**Images:**

26 dB Bandwidth



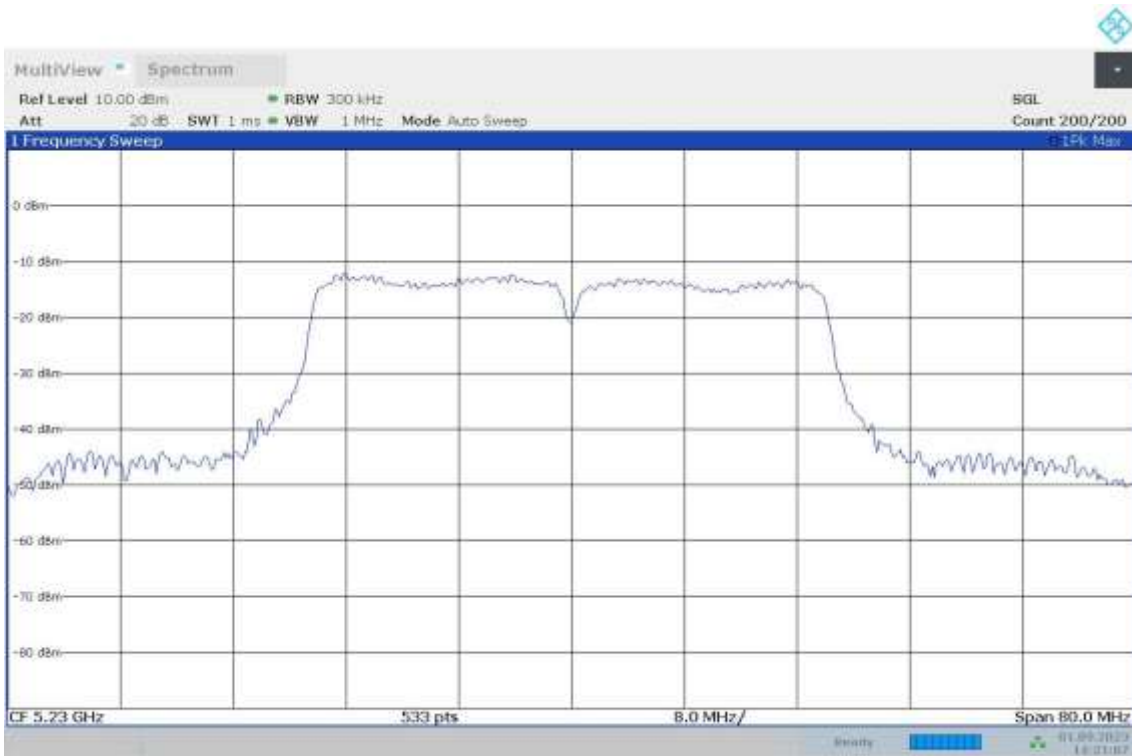
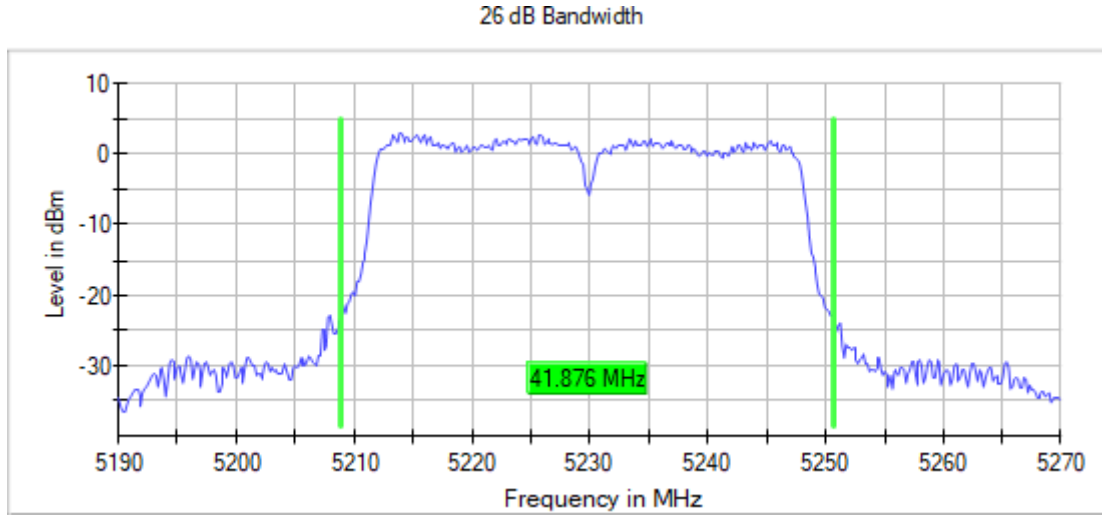
13:32:54 01.09.2023

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

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

MIMO Mode = SISO

Images:



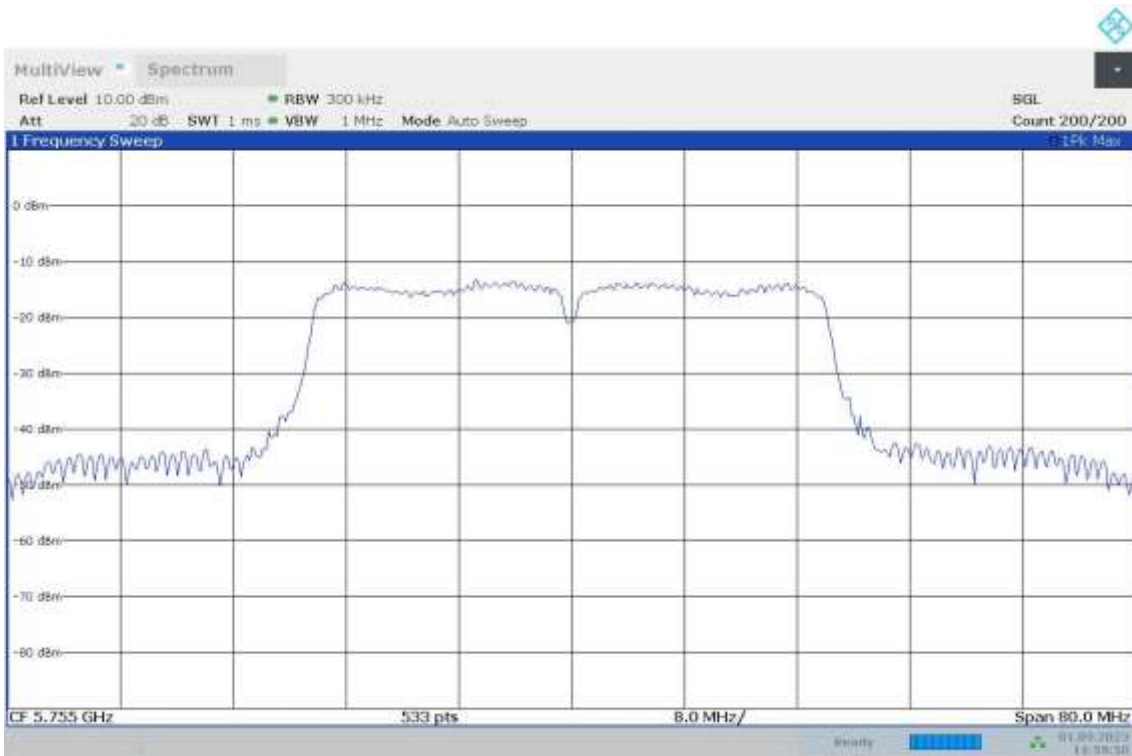
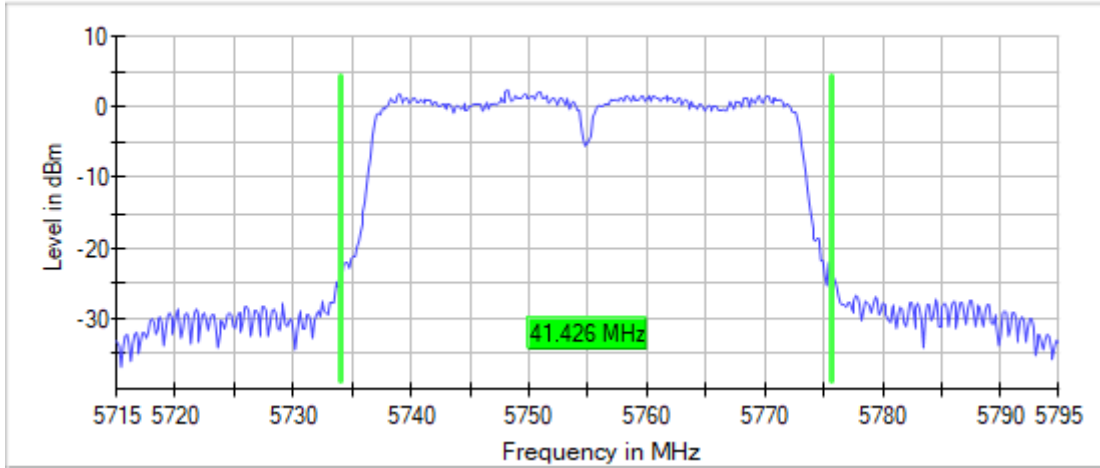
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

26 dB Bandwidth



14:59:50 01.09.2023

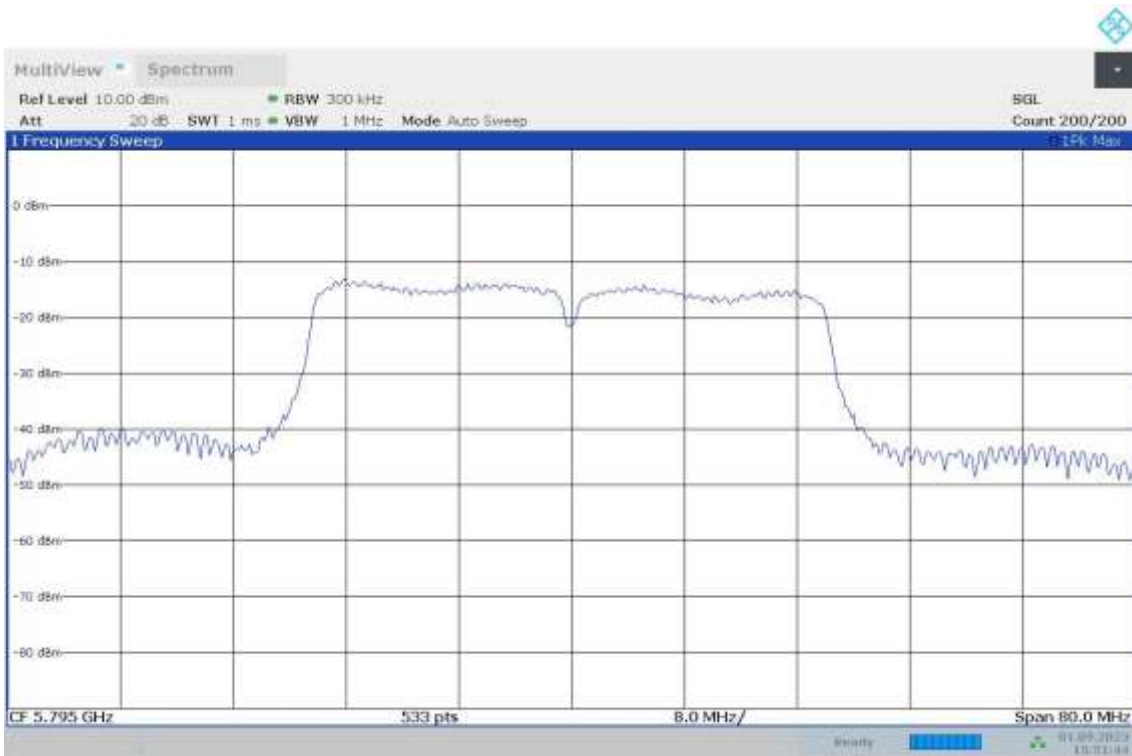
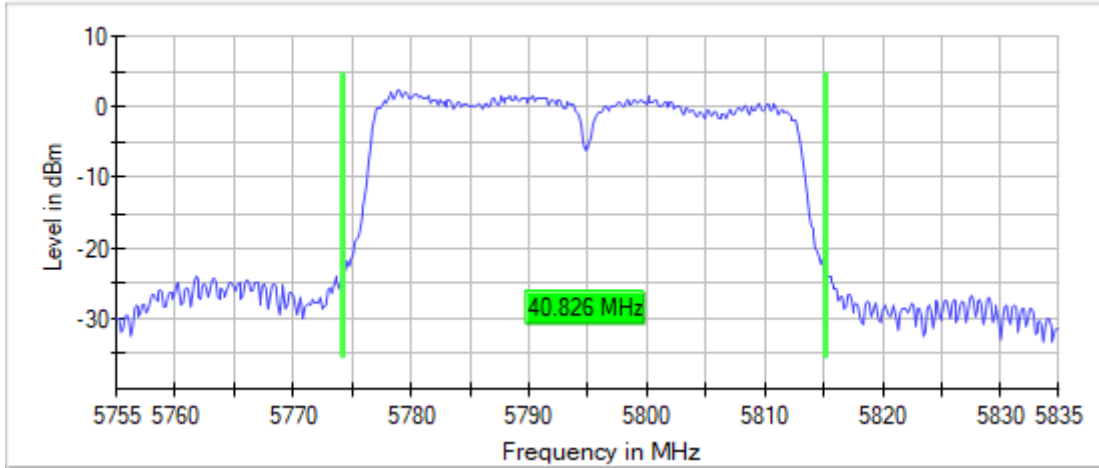
Operation Band MHz = [5150, 5850] Active Port = 1

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

MIMO Mode = SISO

Images:

26 dB Bandwidth



15:51:45 01.09.2023

## Appendix A.3: Test results – MIMO

## Appendix A.3

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APPENDIX A.3: TEST RESULTS – MIMO .....	611
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## 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

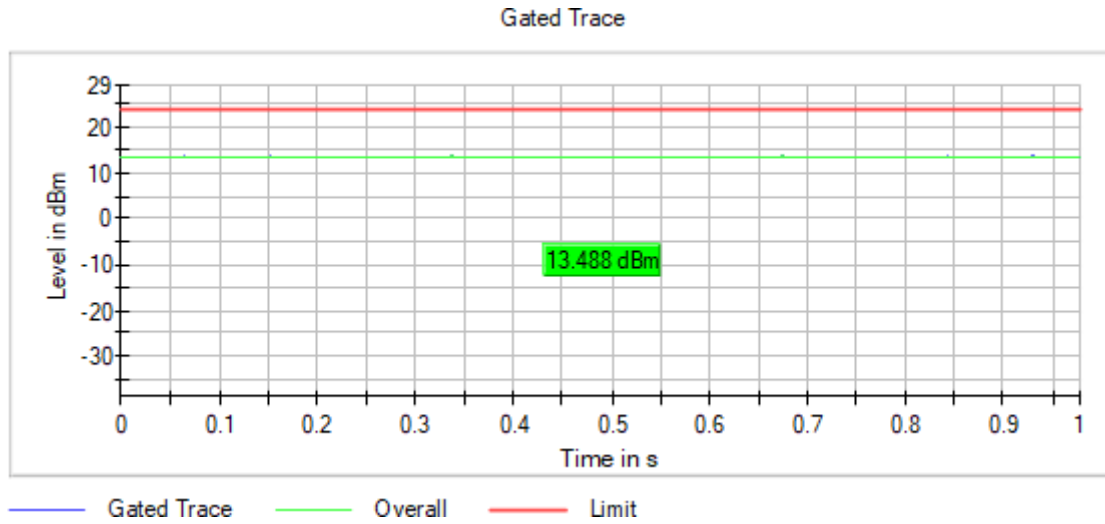
#### Verdict

Pass

**Attachments**

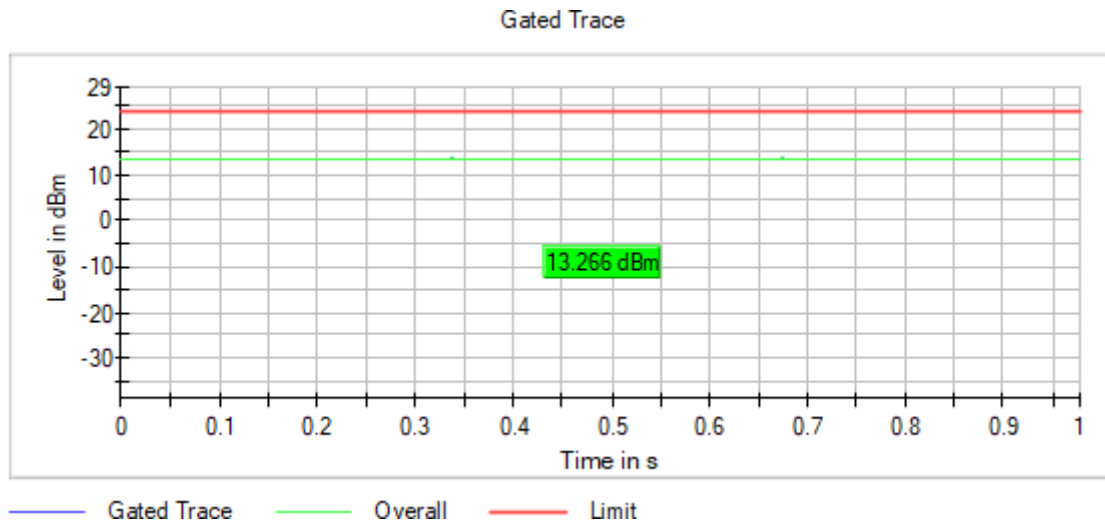
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5180.00000    Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



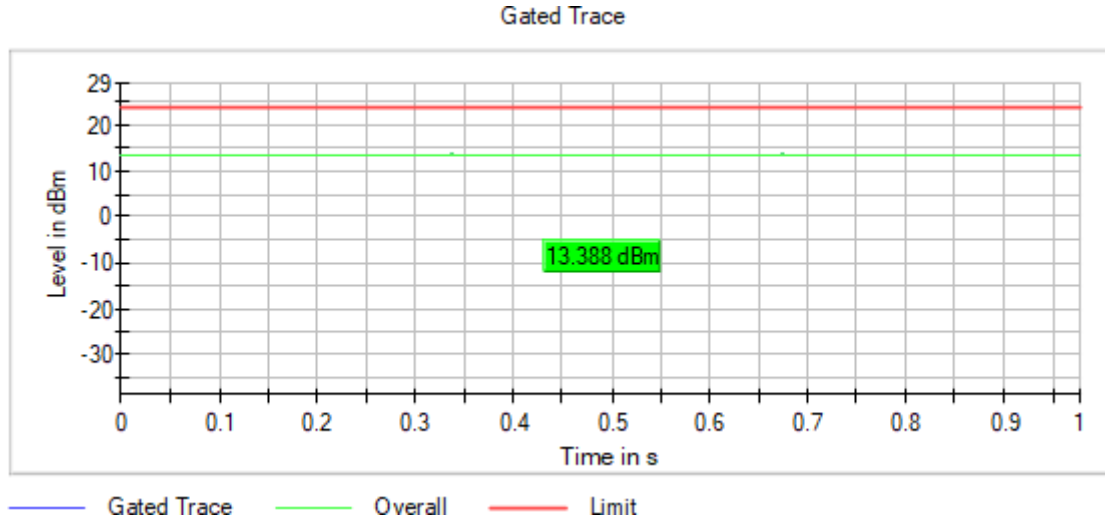
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5200.00000    Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



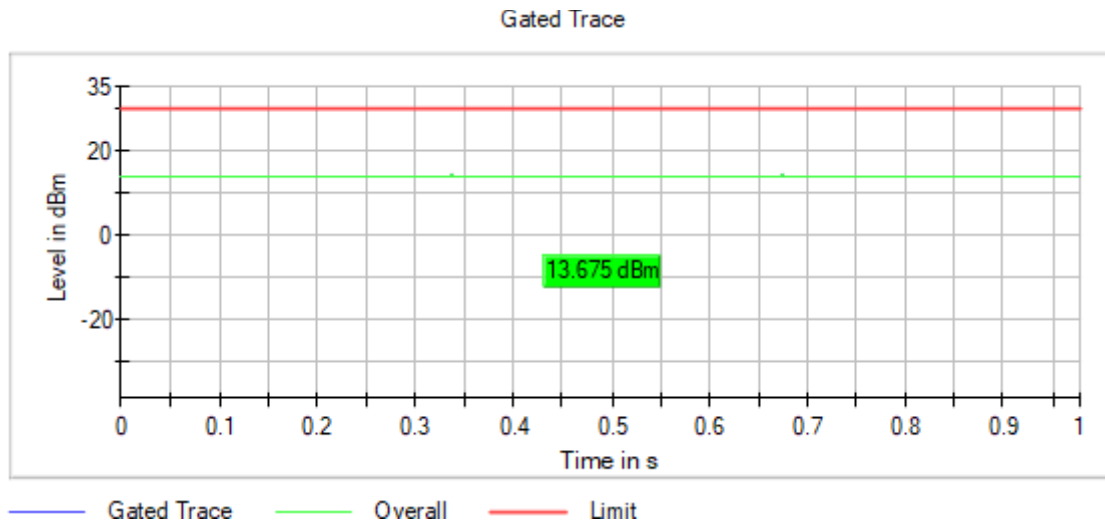
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5240.00000    Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



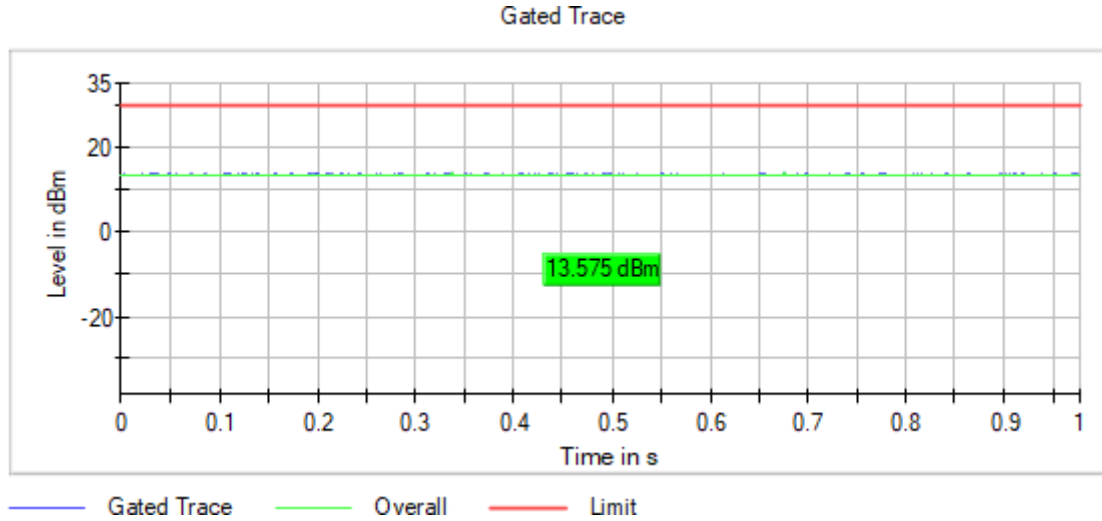
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5745.00000    Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



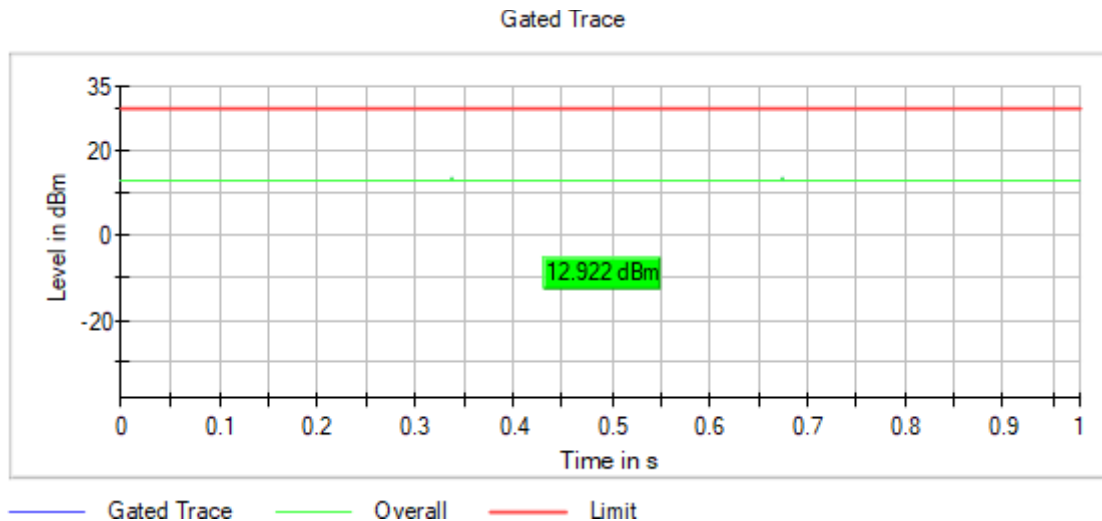
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
 Frequency MHz = 5785.00000    Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)  
 TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**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 $\mu$ s	1.000 $\mu$ s

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

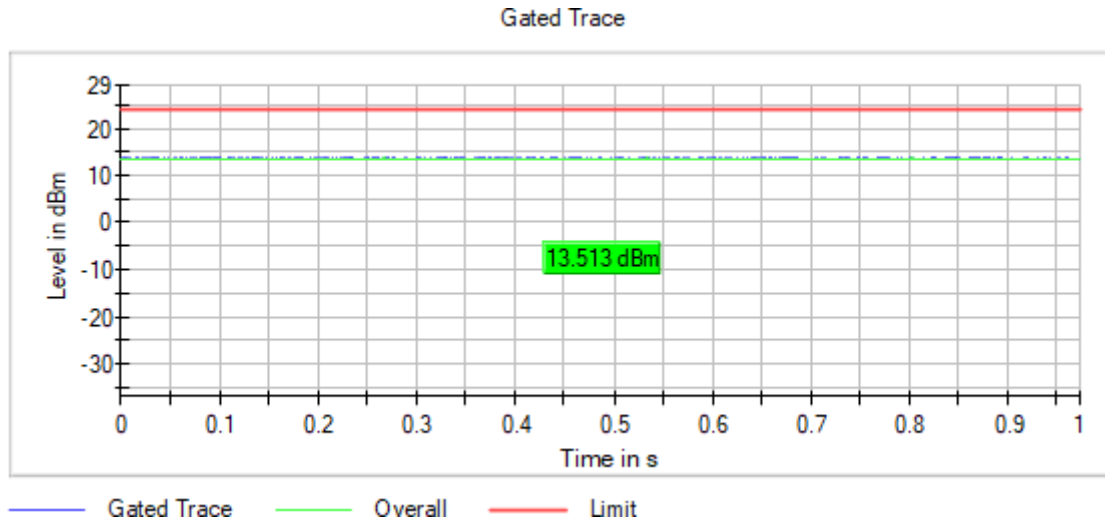
**Verdict**

Pass

**Attachments**

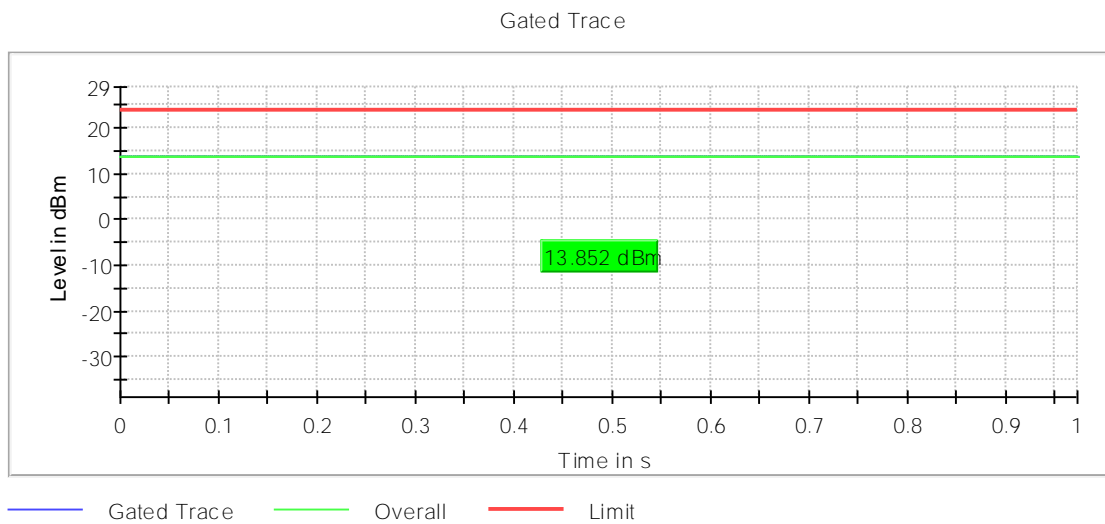
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5180.00000    Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



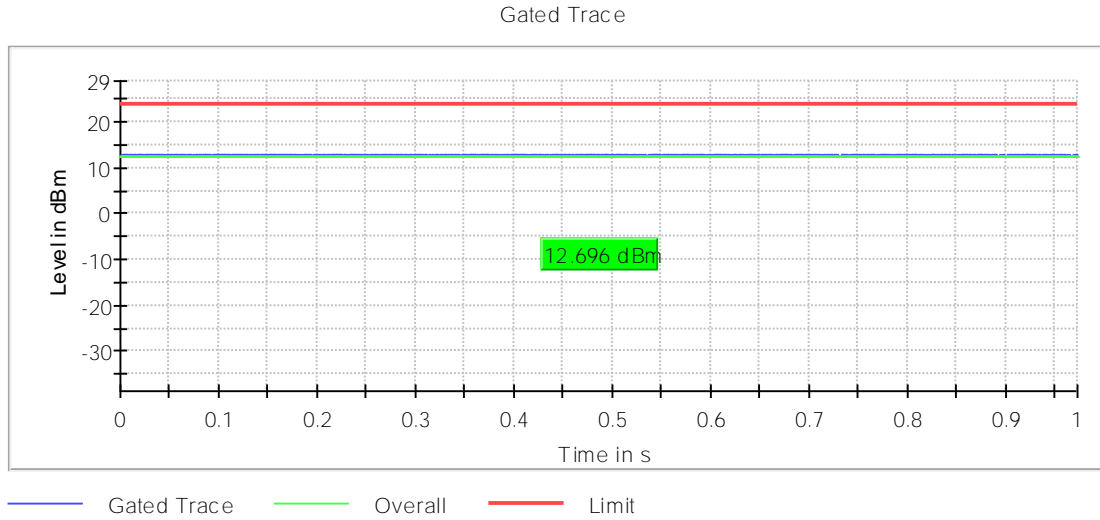
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5200.00000    Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



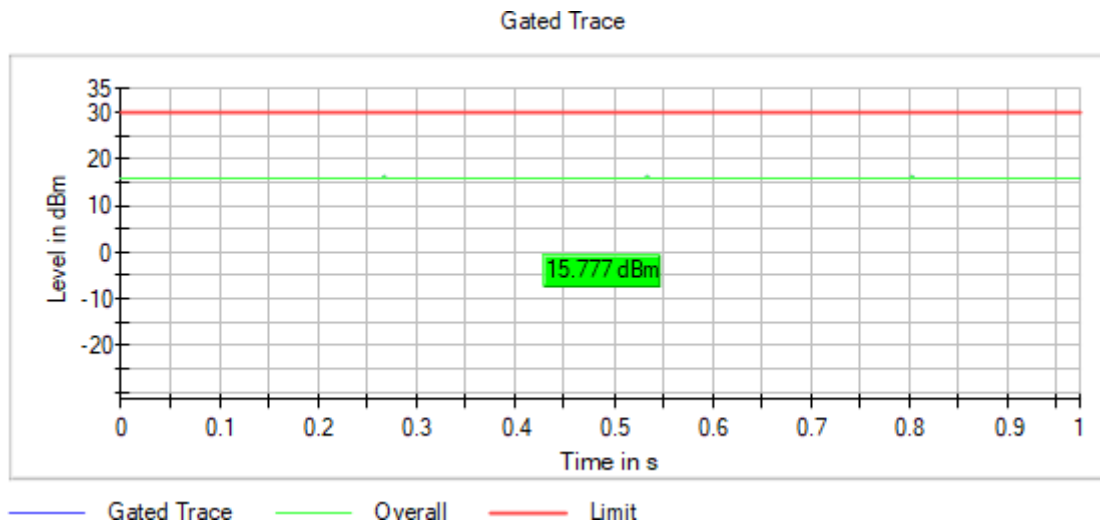
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5240.00000    Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



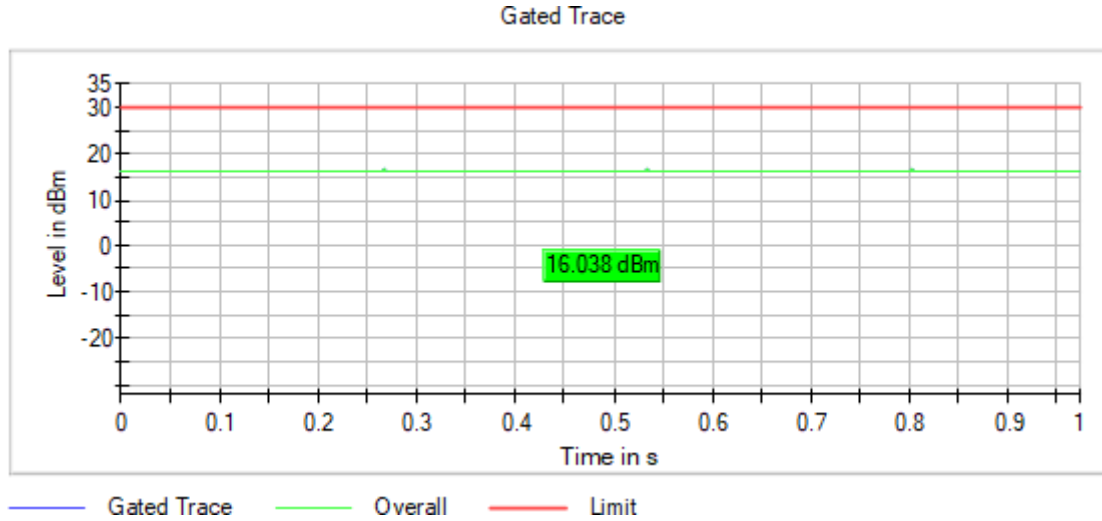
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5745.00000    Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



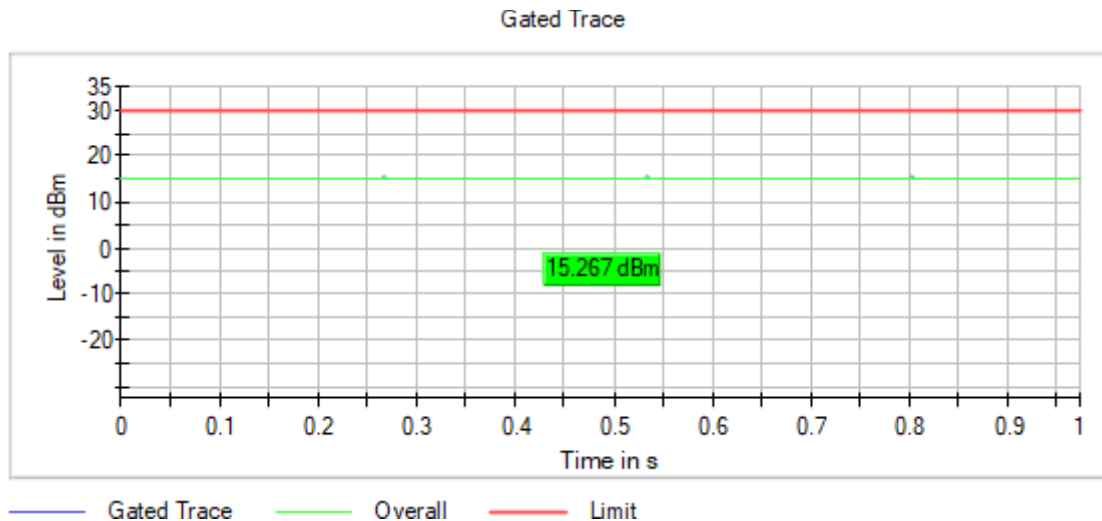
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
 Frequency MHz = 5785.00000    Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)  
 TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**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

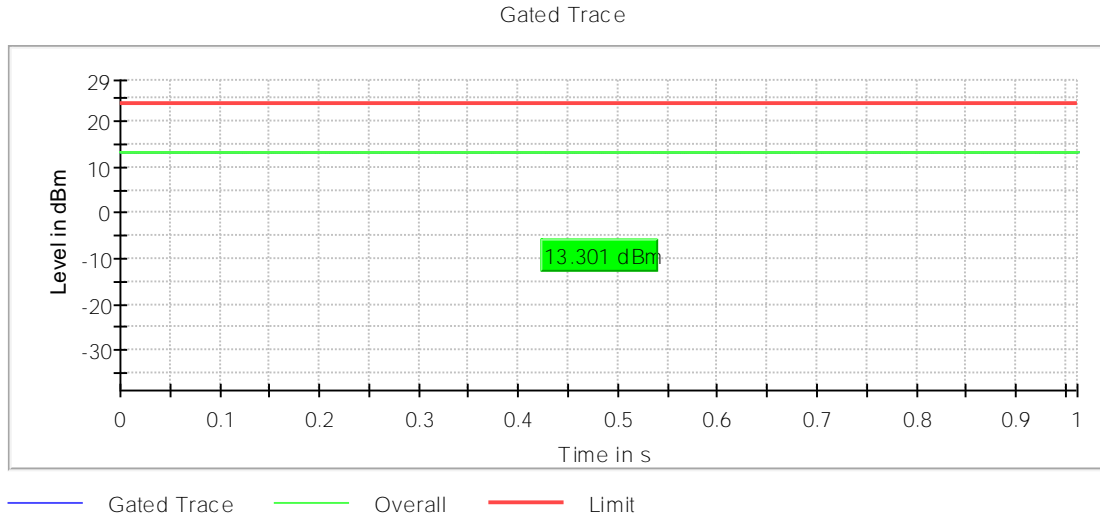
**Verdict**

Pass

**Attachments**

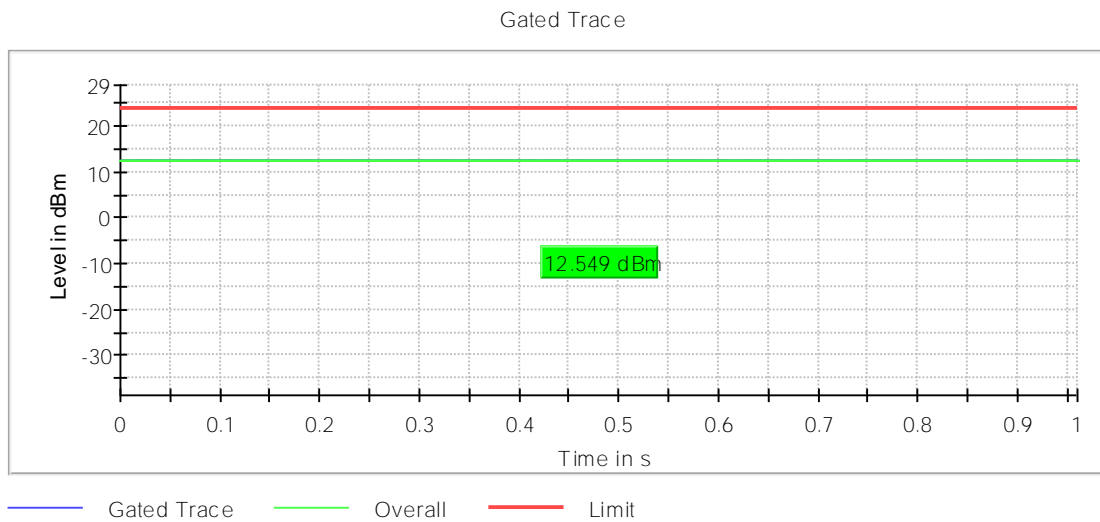
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5190.00000    Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



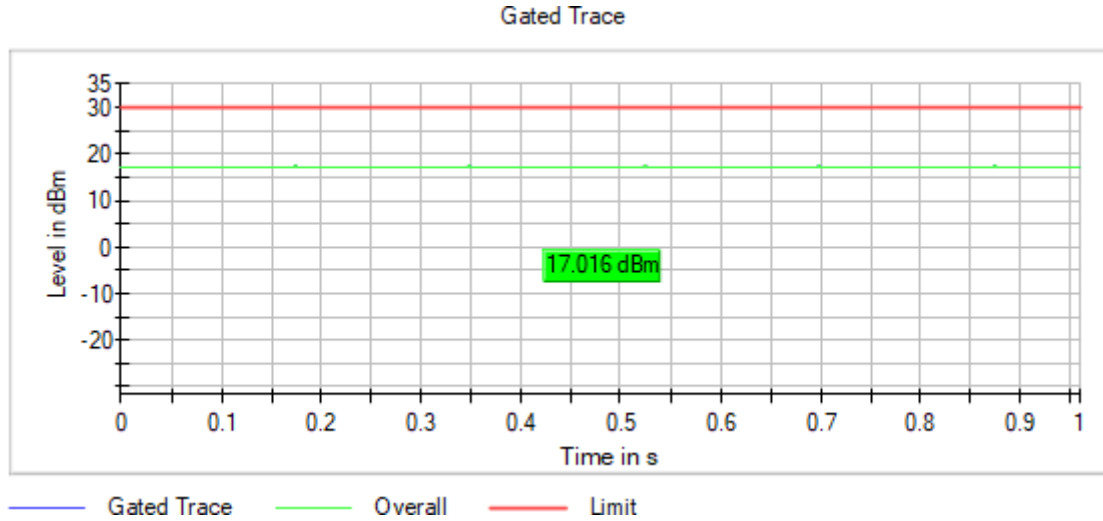
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5230.00000    Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



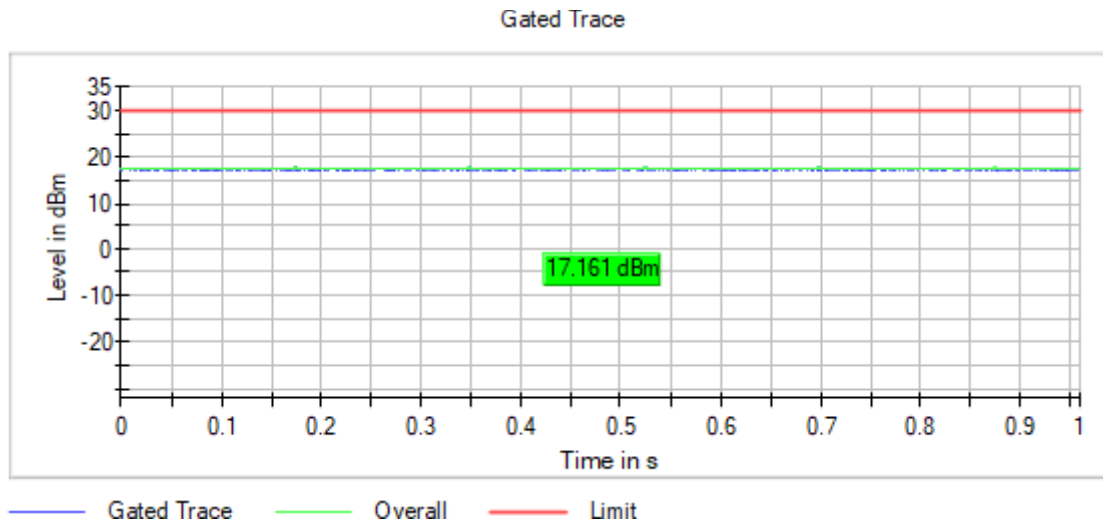
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
 Frequency MHz = 5755.00000    Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)  
 TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**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 $\mu$ s	1.000 $\mu$ s

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

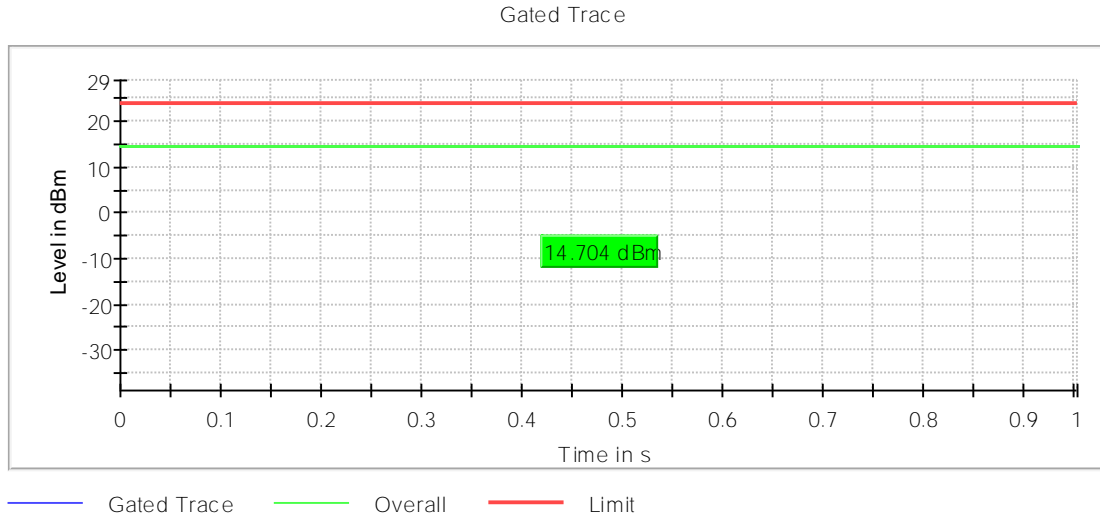
**Verdict**

Pass

**Attachments**

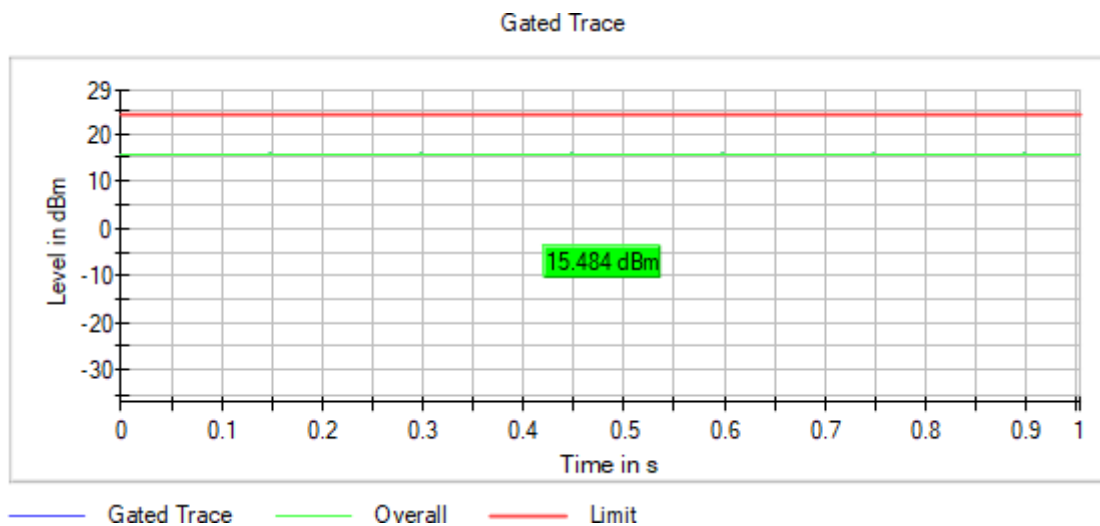
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5190.00000    Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



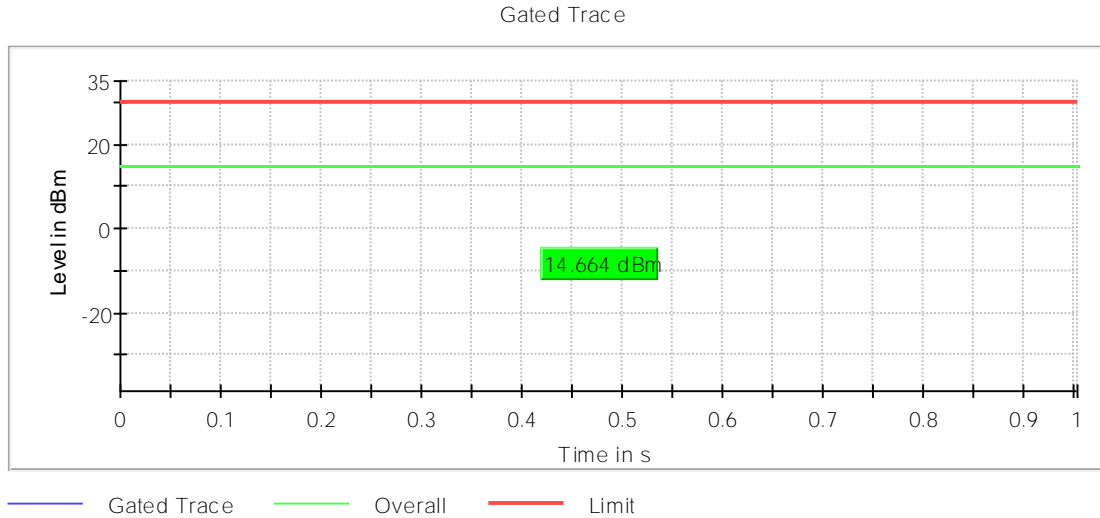
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5230.00000    Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



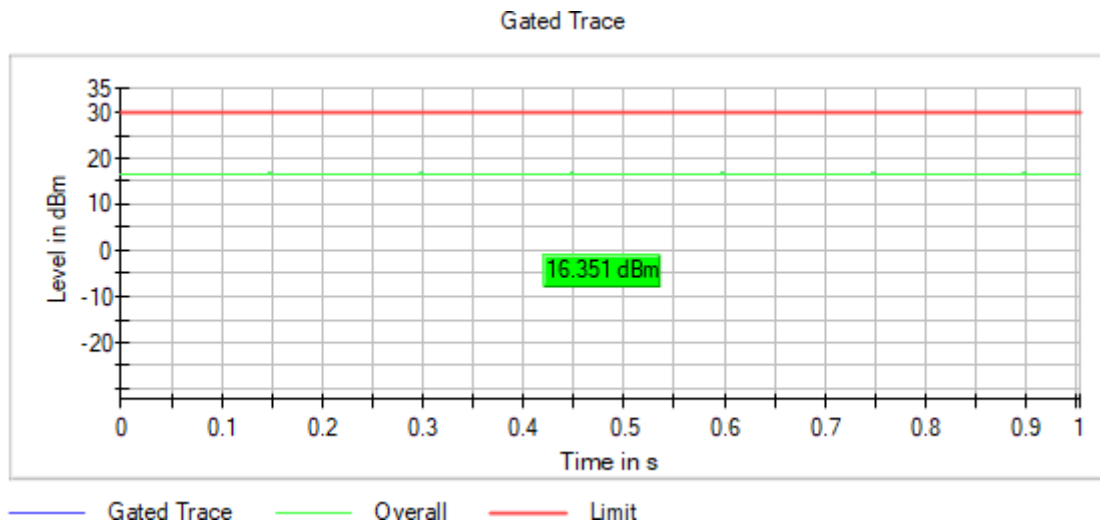
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
 Frequency MHz = 5755.00000    Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)  
 TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**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

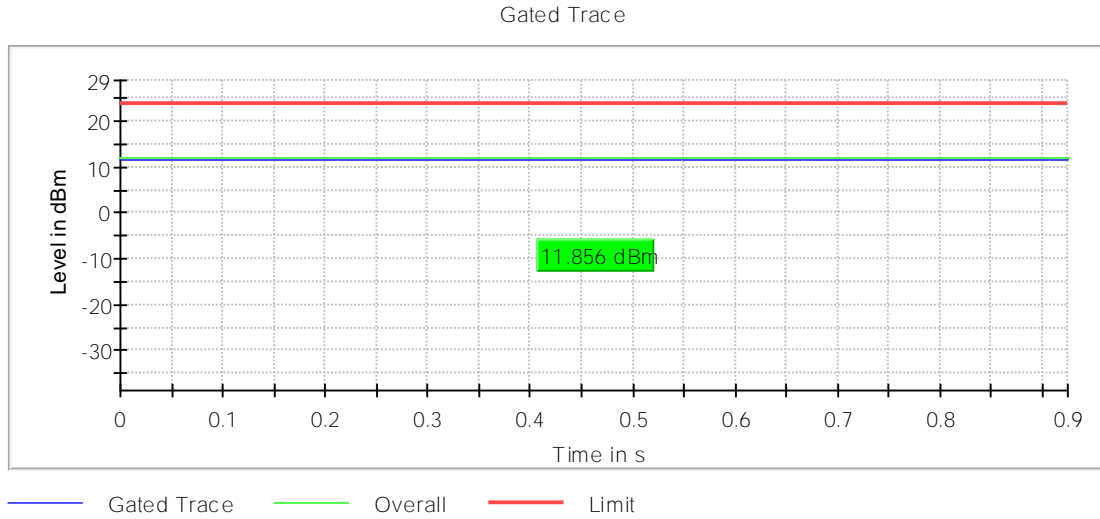
**Verdict**

Pass

**Attachments**

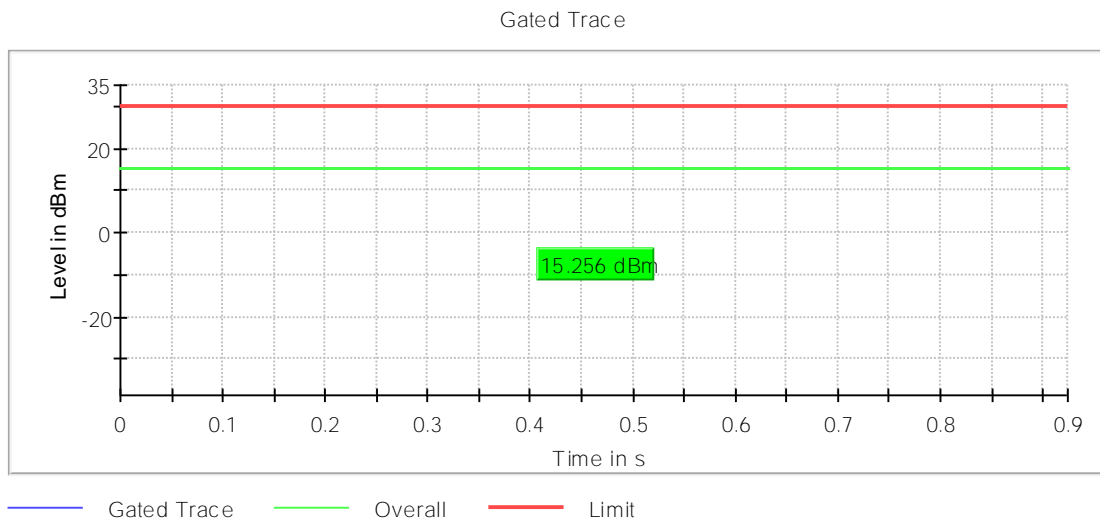
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
 Frequency MHz = 5210.00000    Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)  
 TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**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

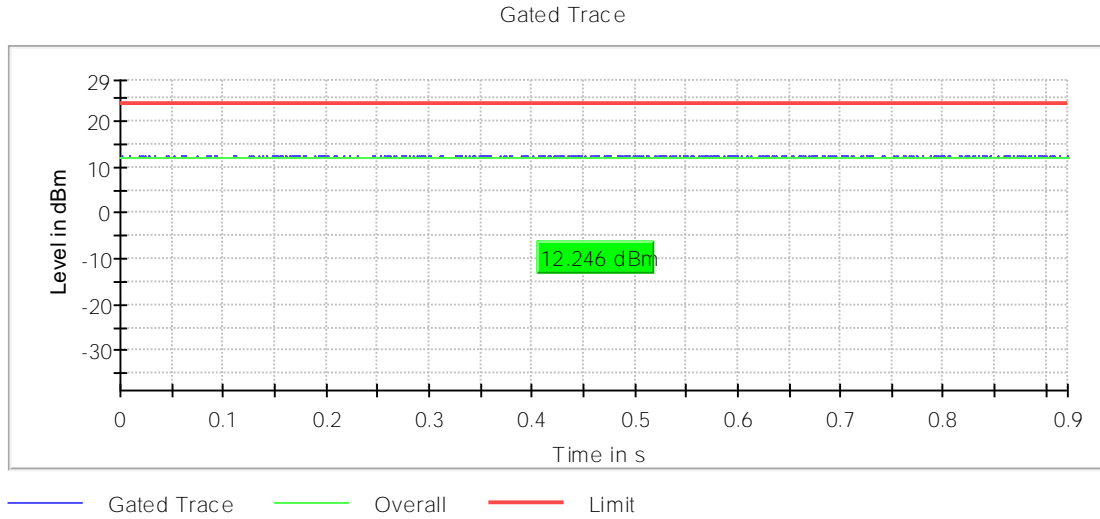
**Verdict**

Pass

**Attachments**

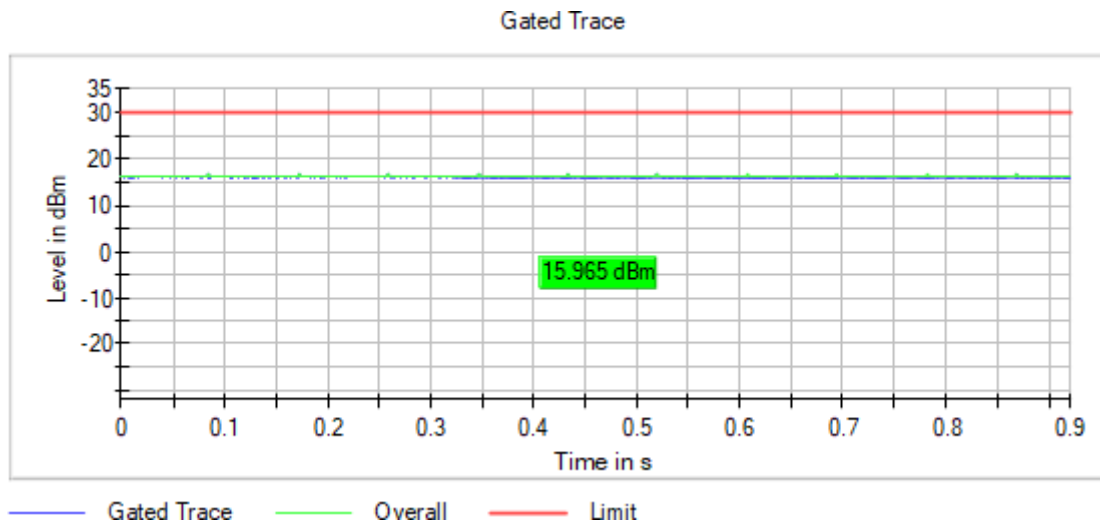
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
 Frequency MHz = 5210.00000    Modulation = 802.11ax HE80 SS1 (OFDMA MCS0)  
 TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**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 $\mu$ s	1.000 $\mu$ s

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

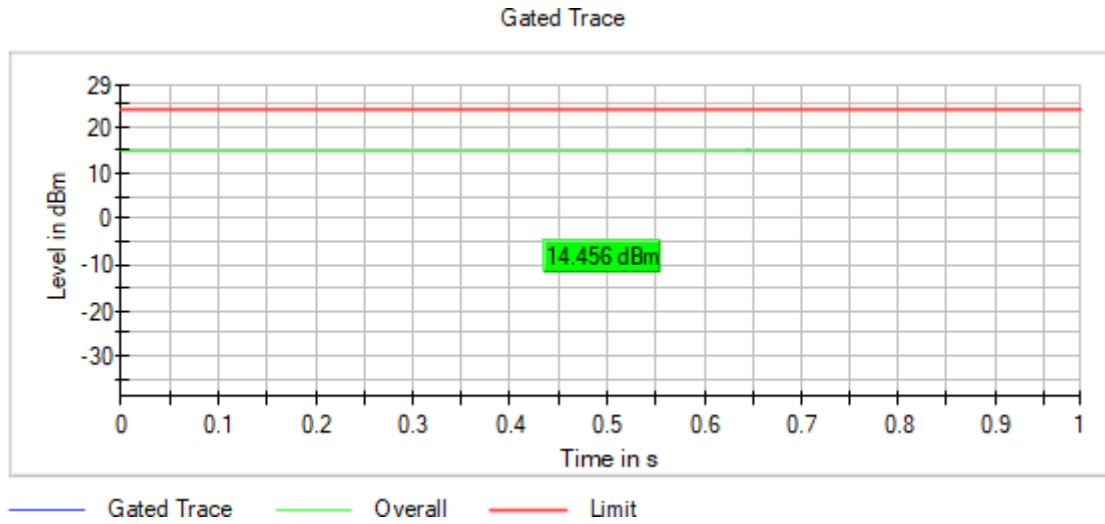
**Verdict**

Pass

**Attachments**

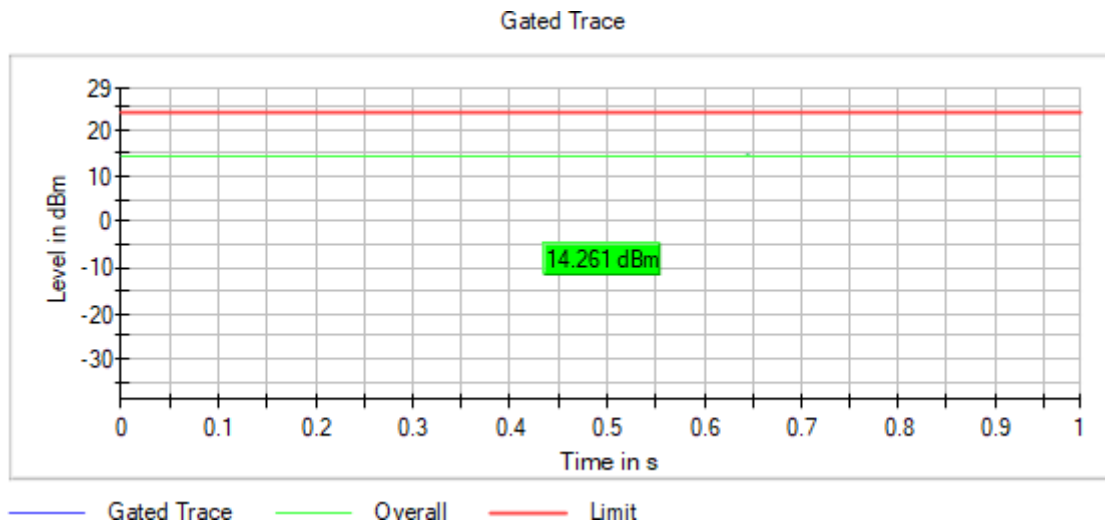
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5180.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



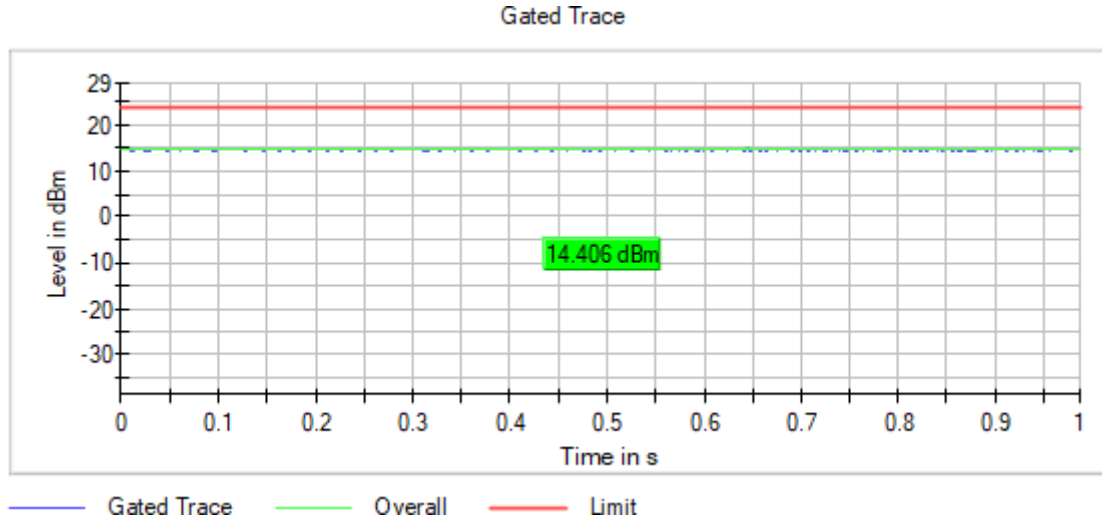
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5200.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



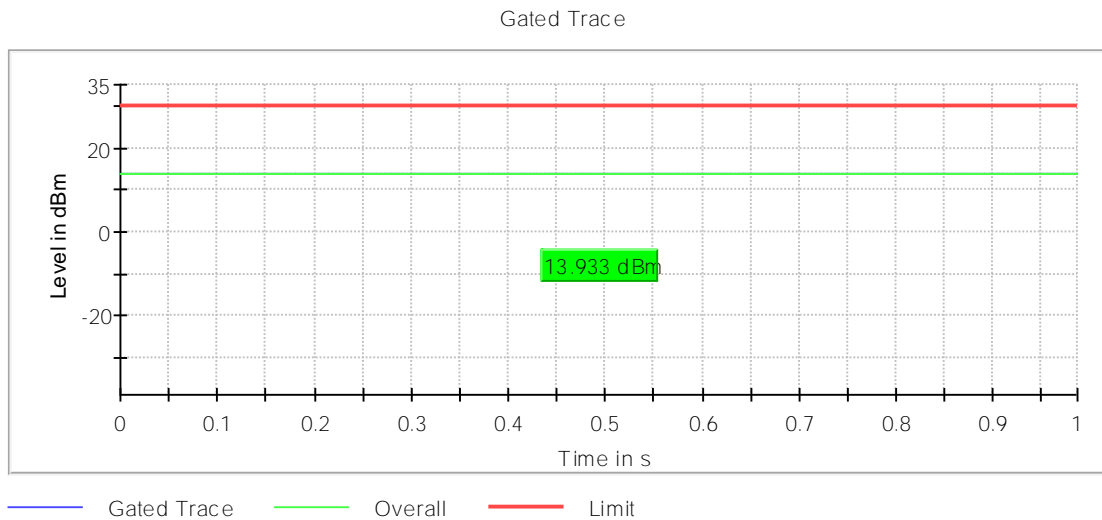
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5240.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



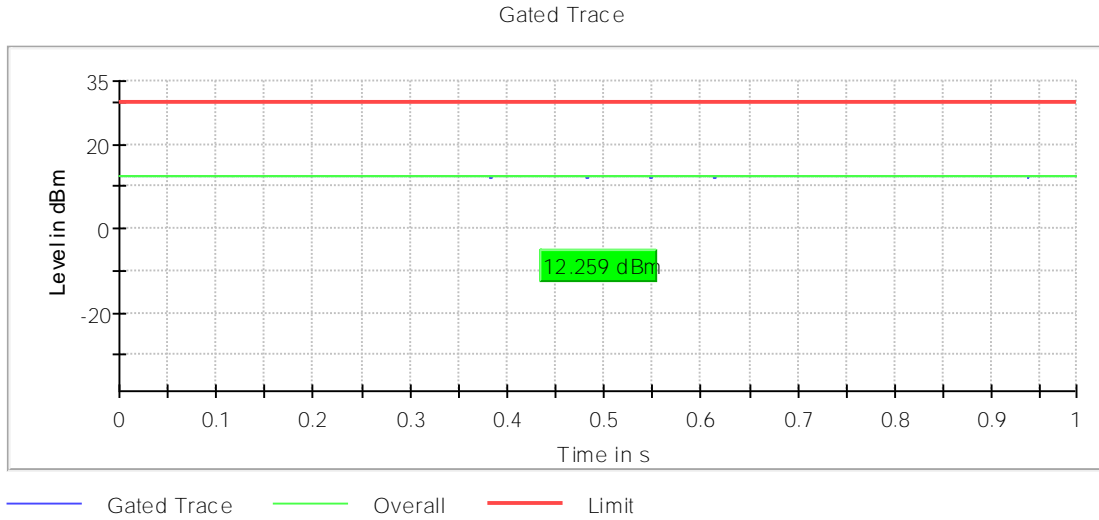
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5745.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**



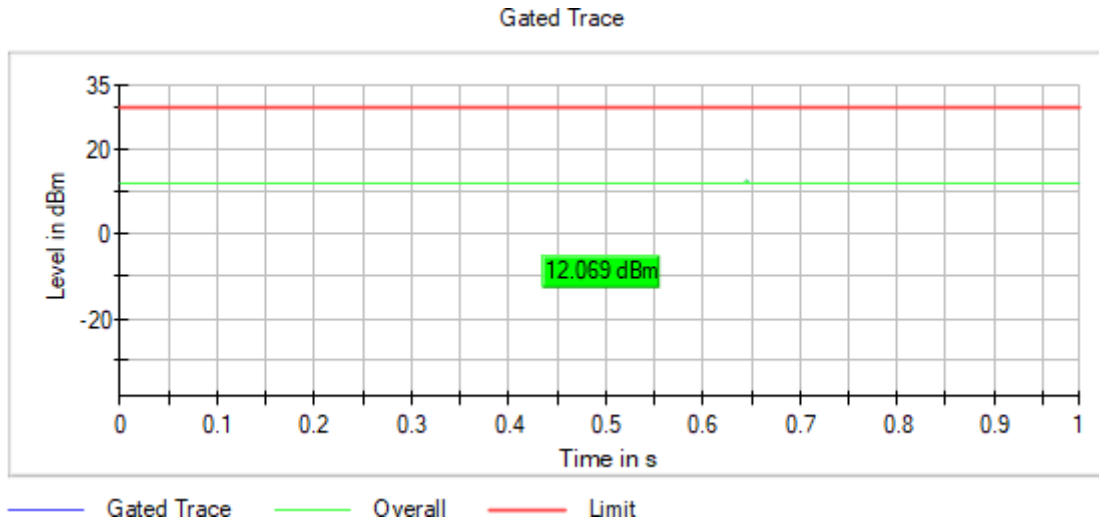
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
 Frequency MHz = 5785.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
 TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**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 $\mu$ s	1.000 $\mu$ s

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

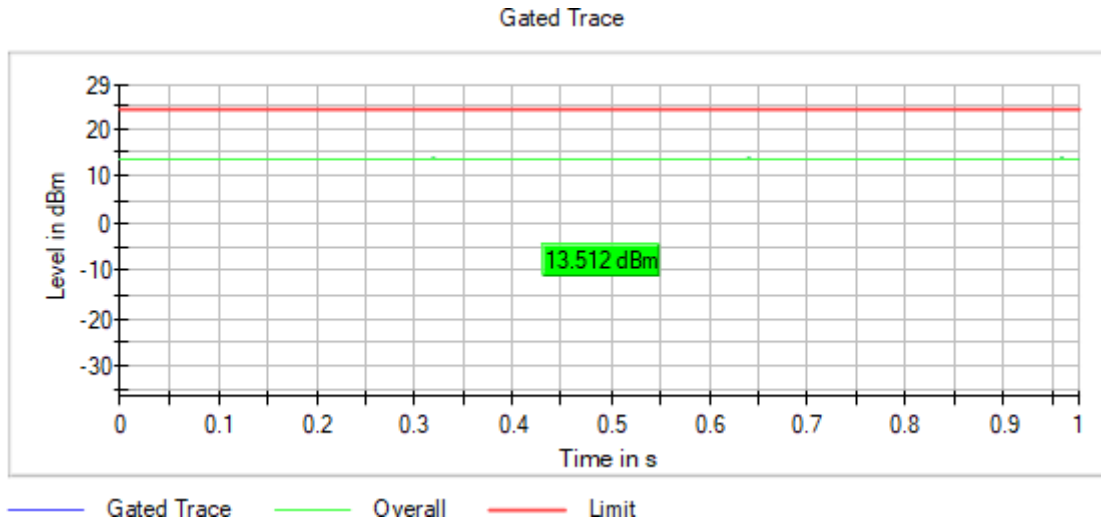
**Verdict**

Pass

**Attachments**

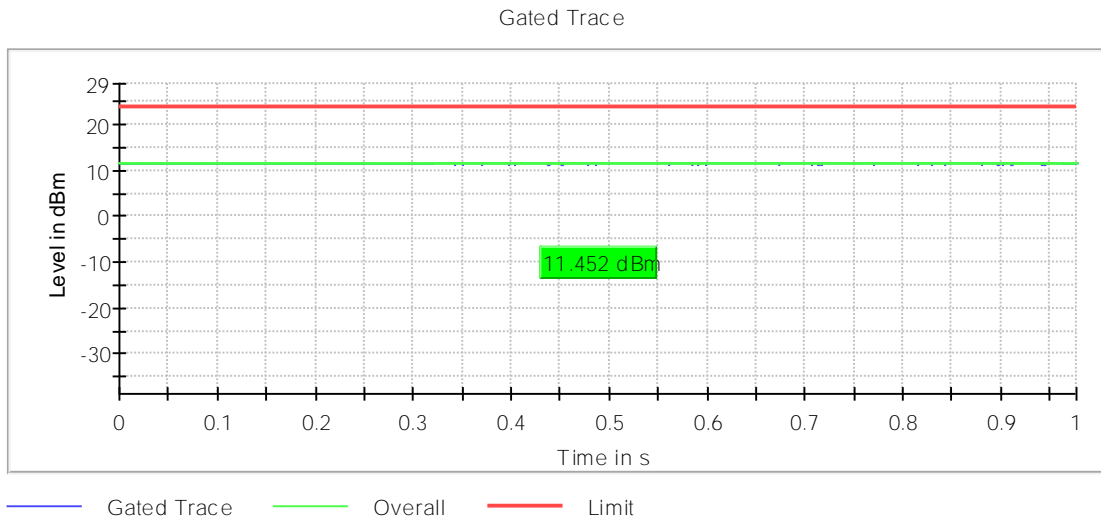
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5190.00000    Modulation = 802.11n HT40 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**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

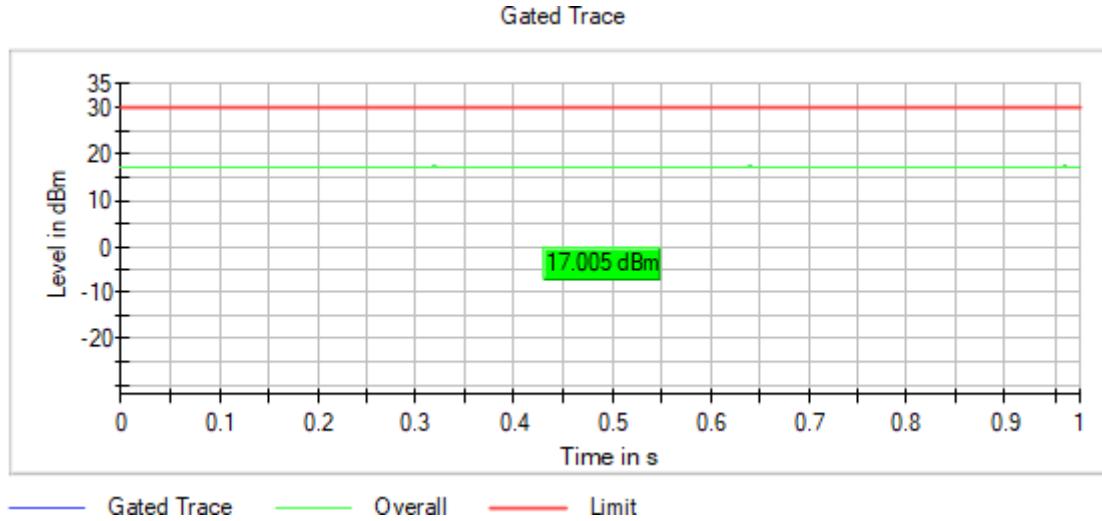
**Images:**





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

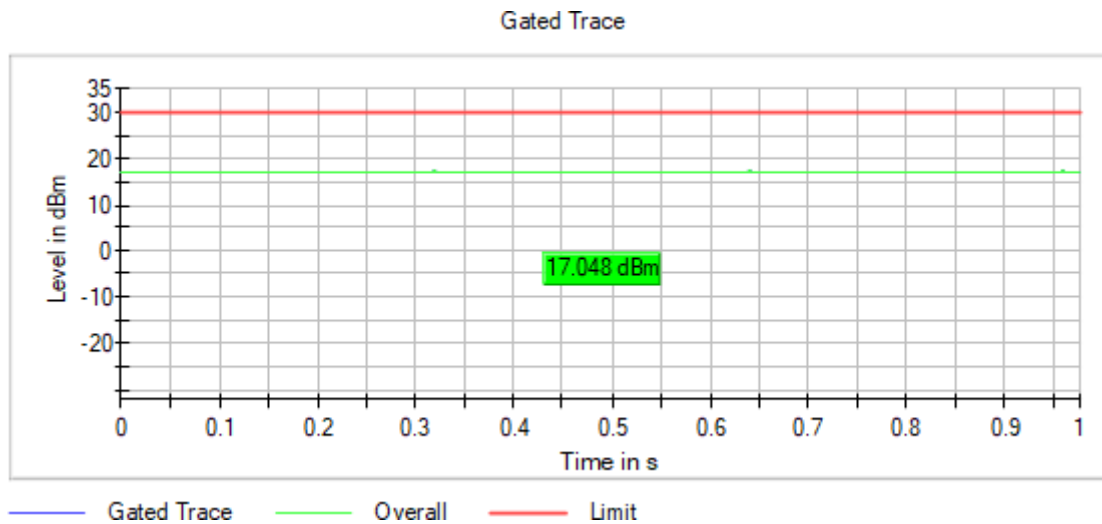
**Images:**



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 $\mu$ s	1.000 $\mu$ s

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**

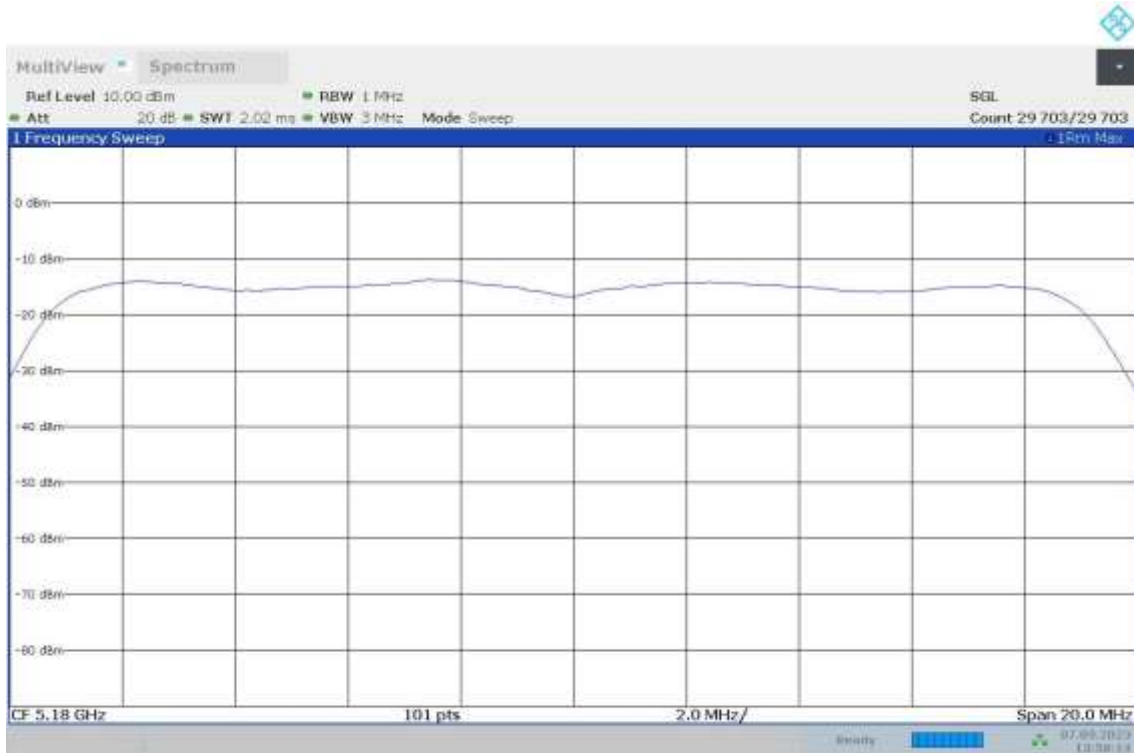
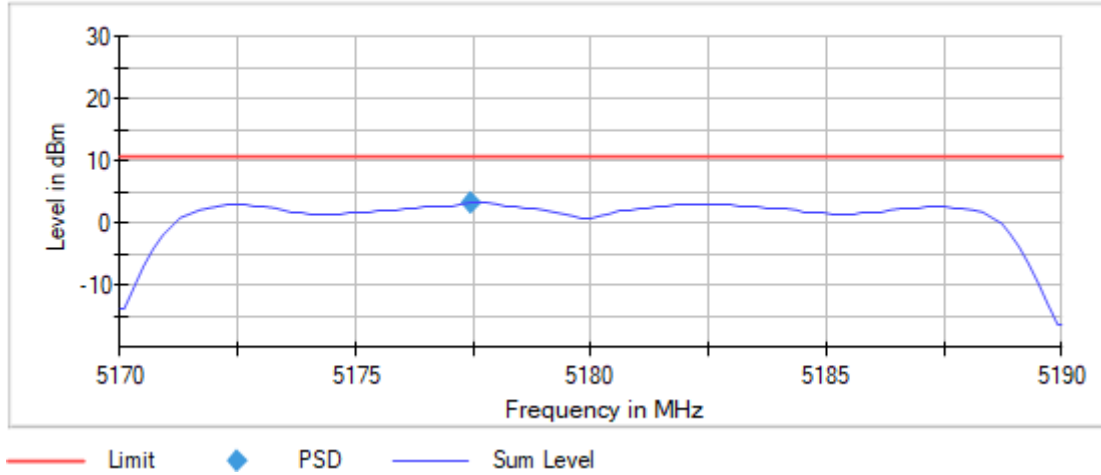
Pass

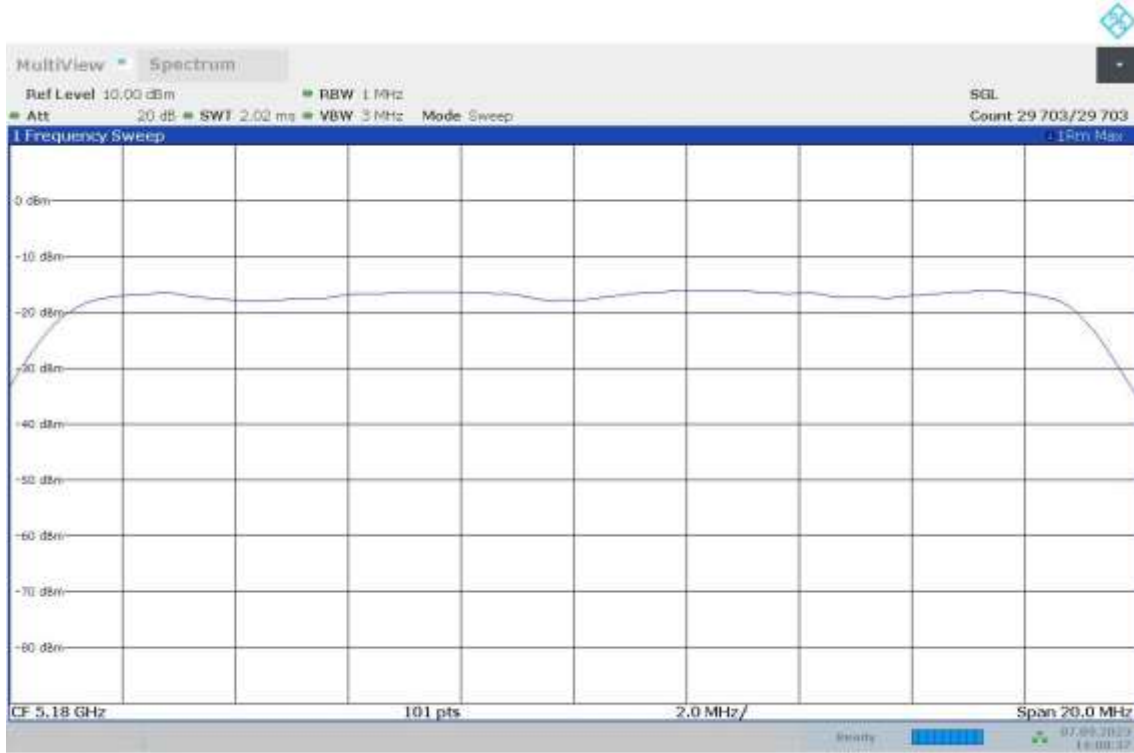
**Attachments**

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:**

Power Spectral Density (SA-3)

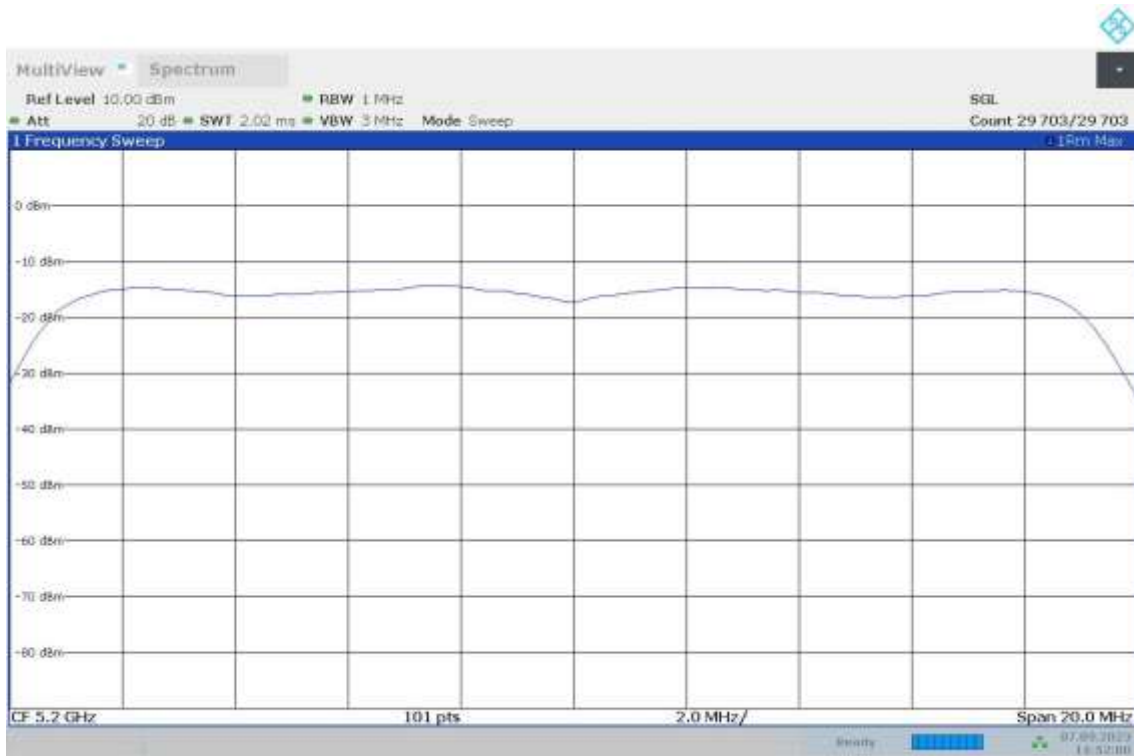
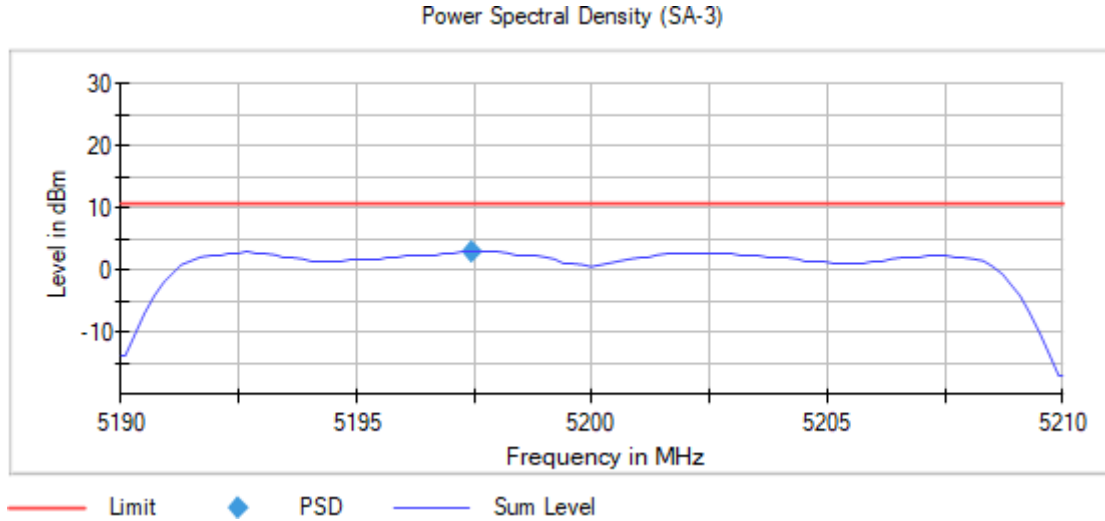


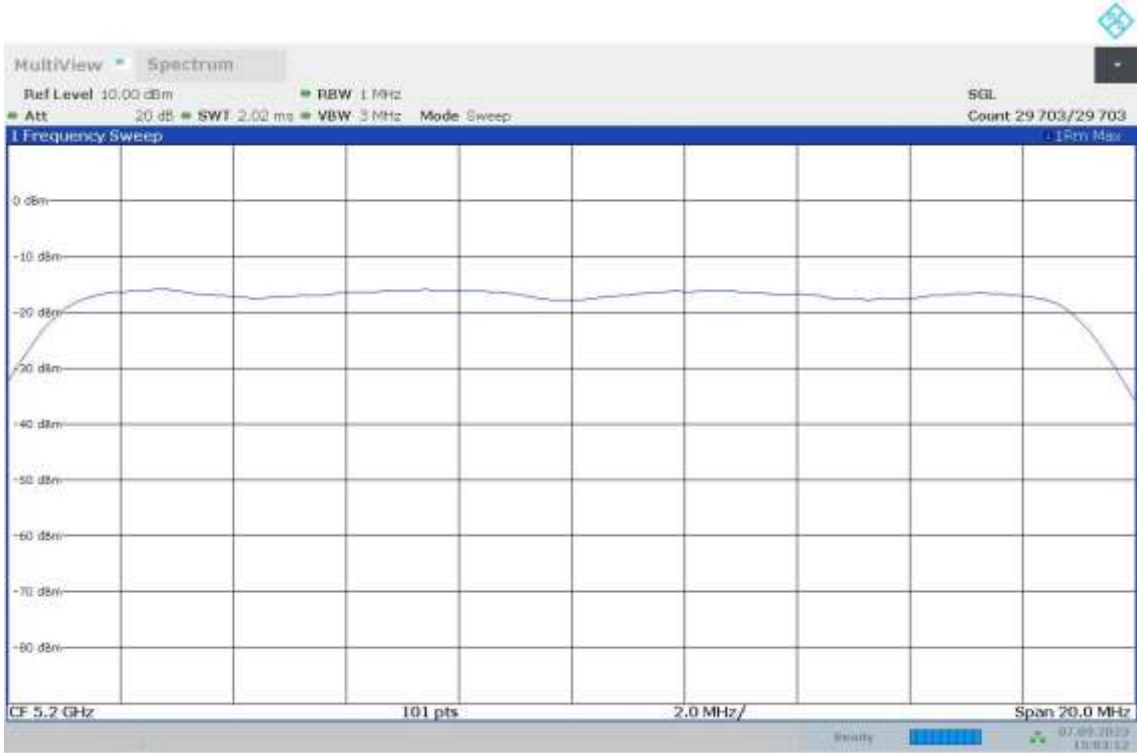


14:08:37 07.09.2023

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

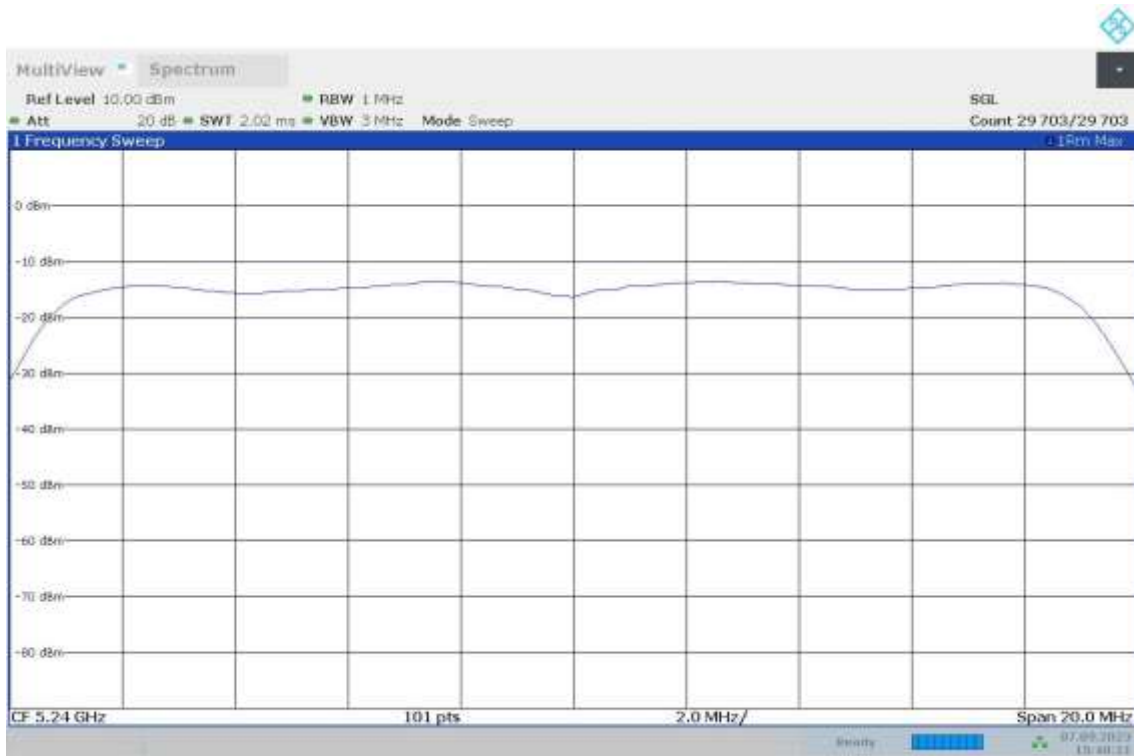
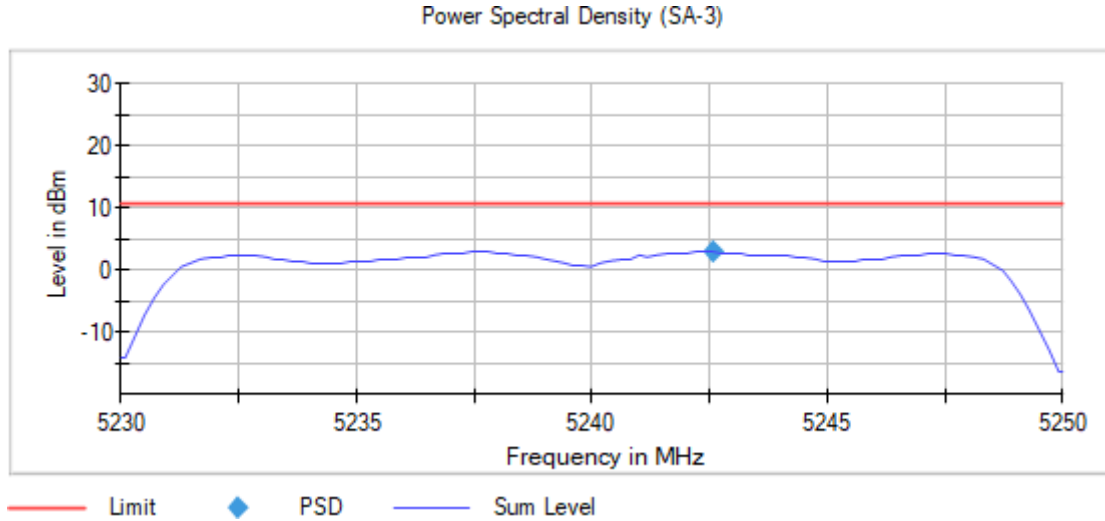
Images:



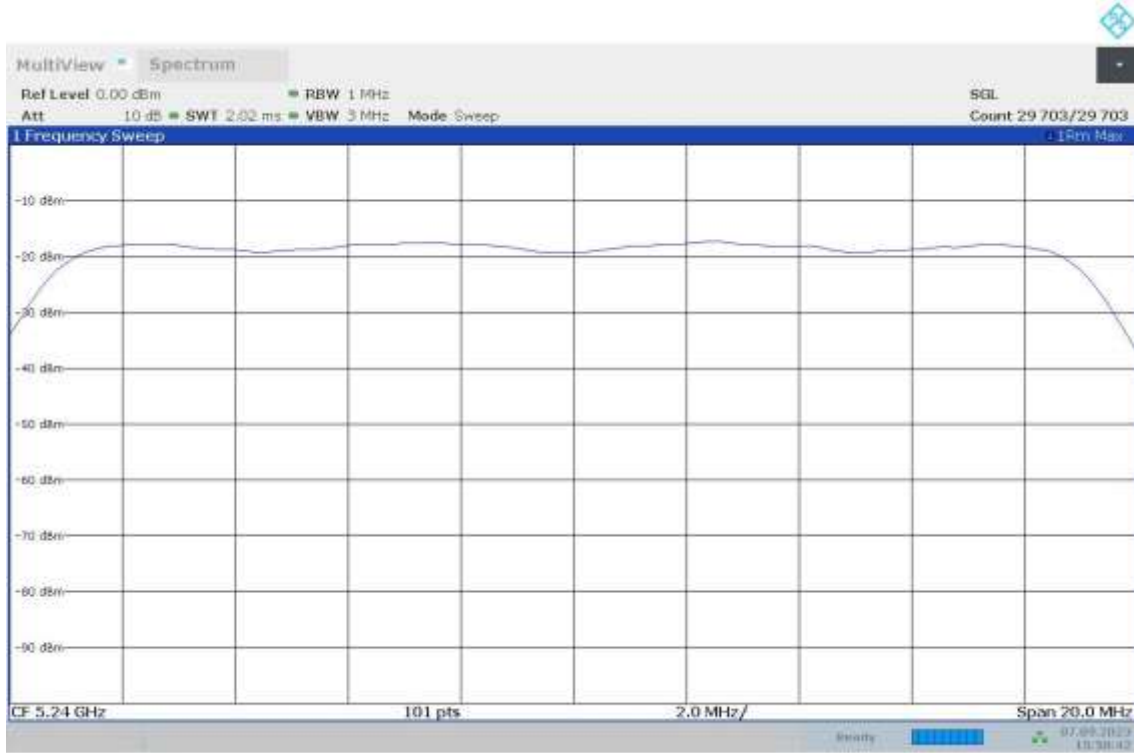


Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5240.00000    Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

Images:



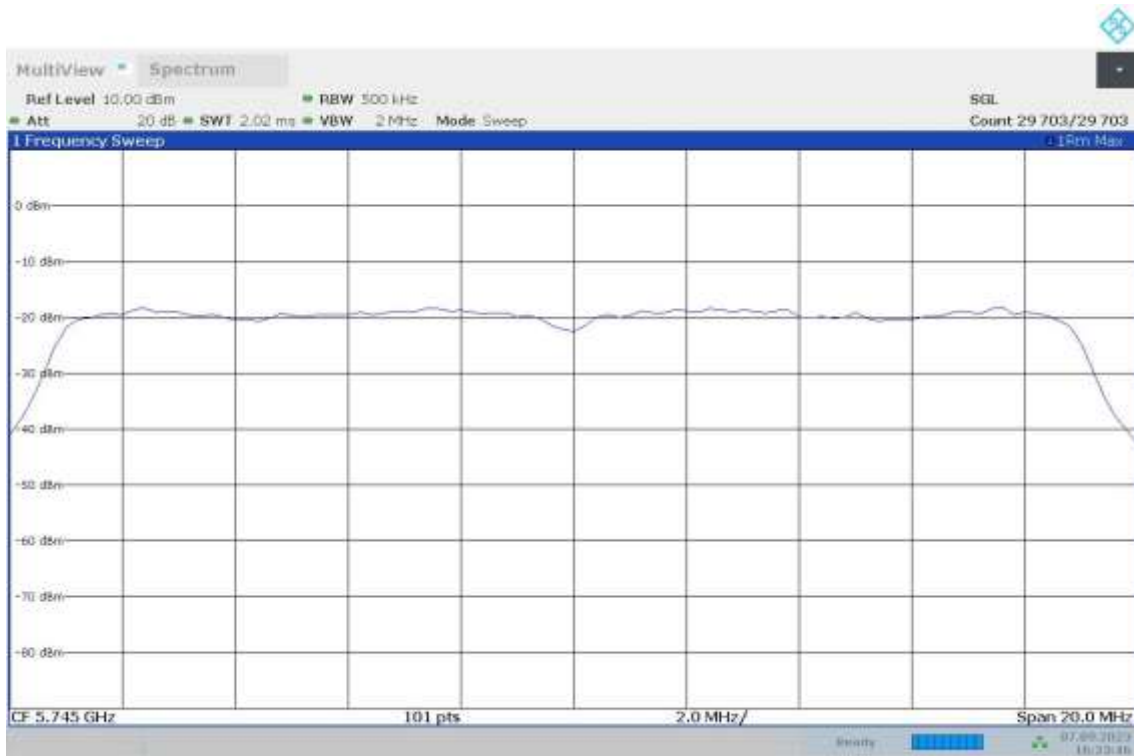
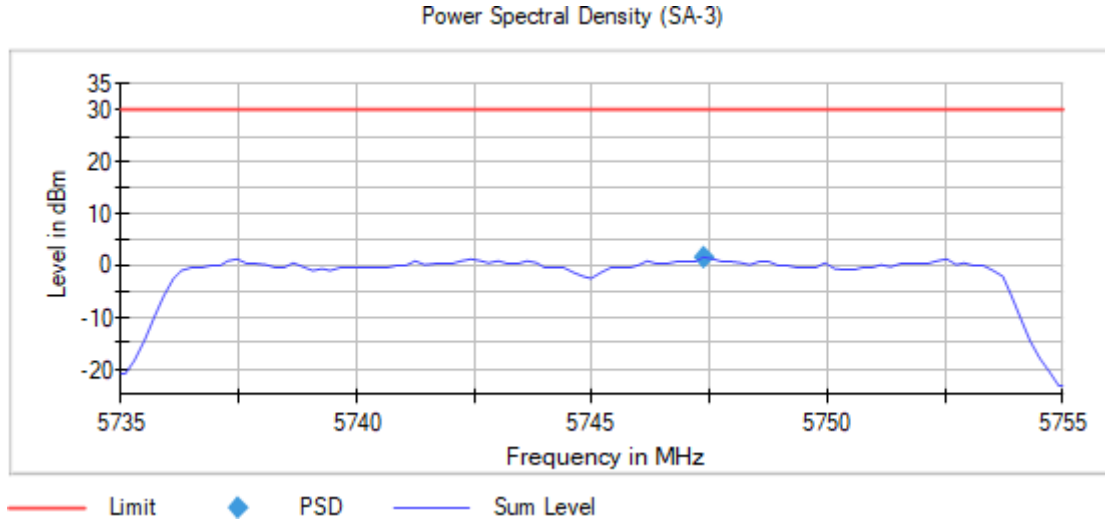
15:40:21 07.09.2023



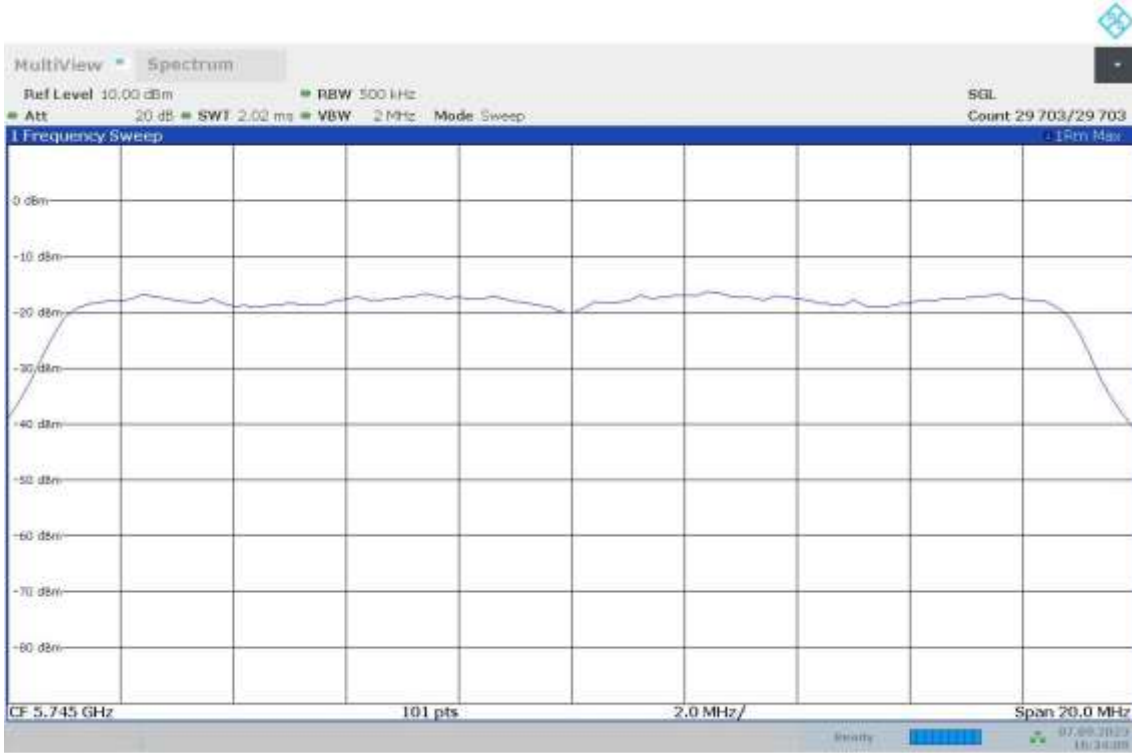


Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5745.00000    Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

Images:



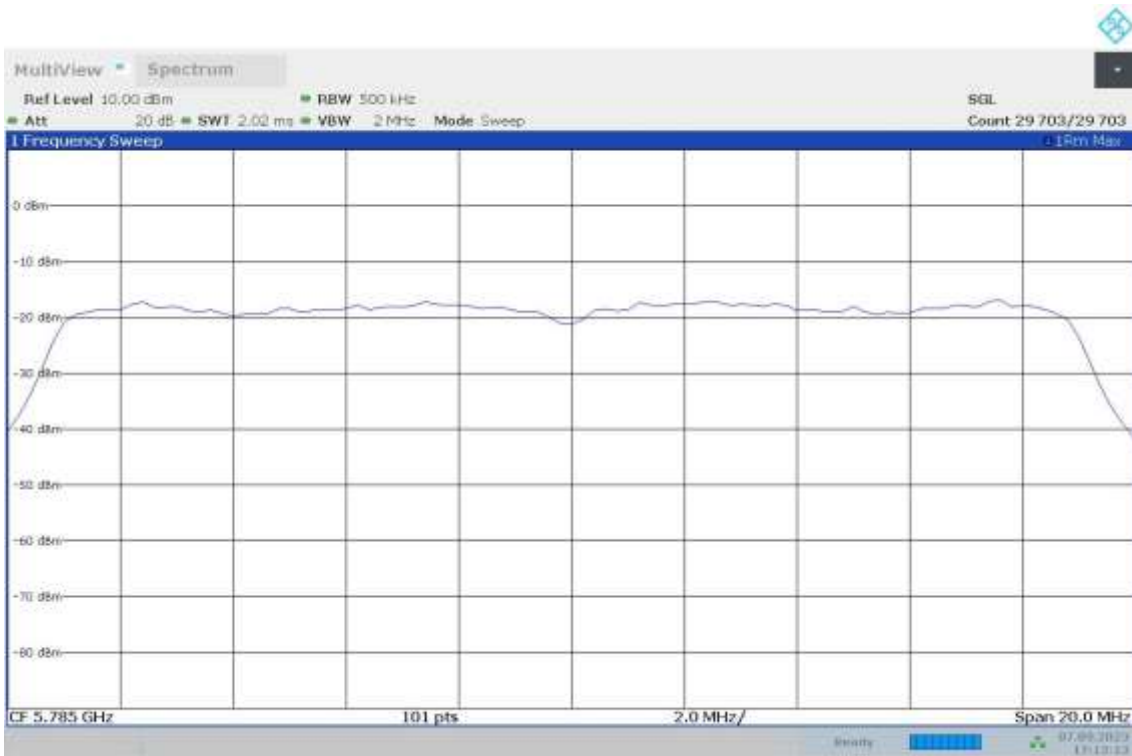
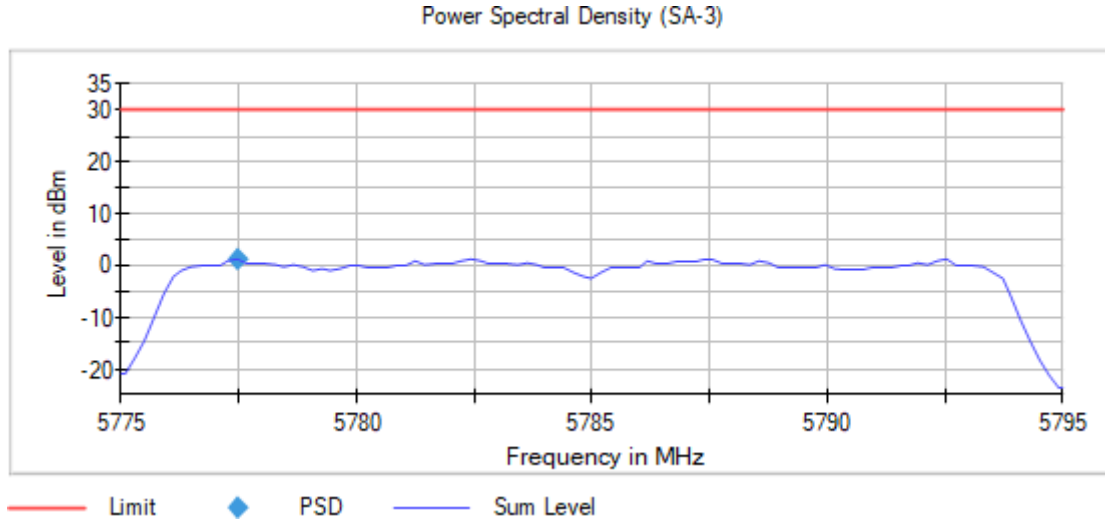
16:23:46 07.09.2023



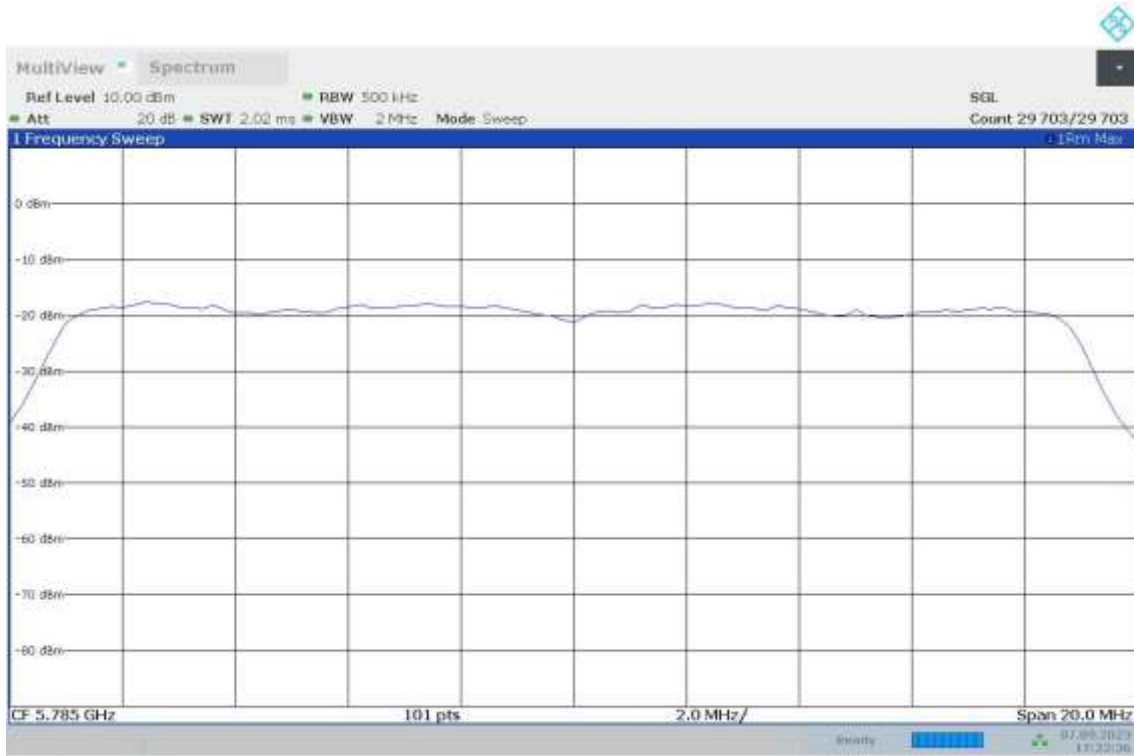
16:34:09 07.09.2023

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:

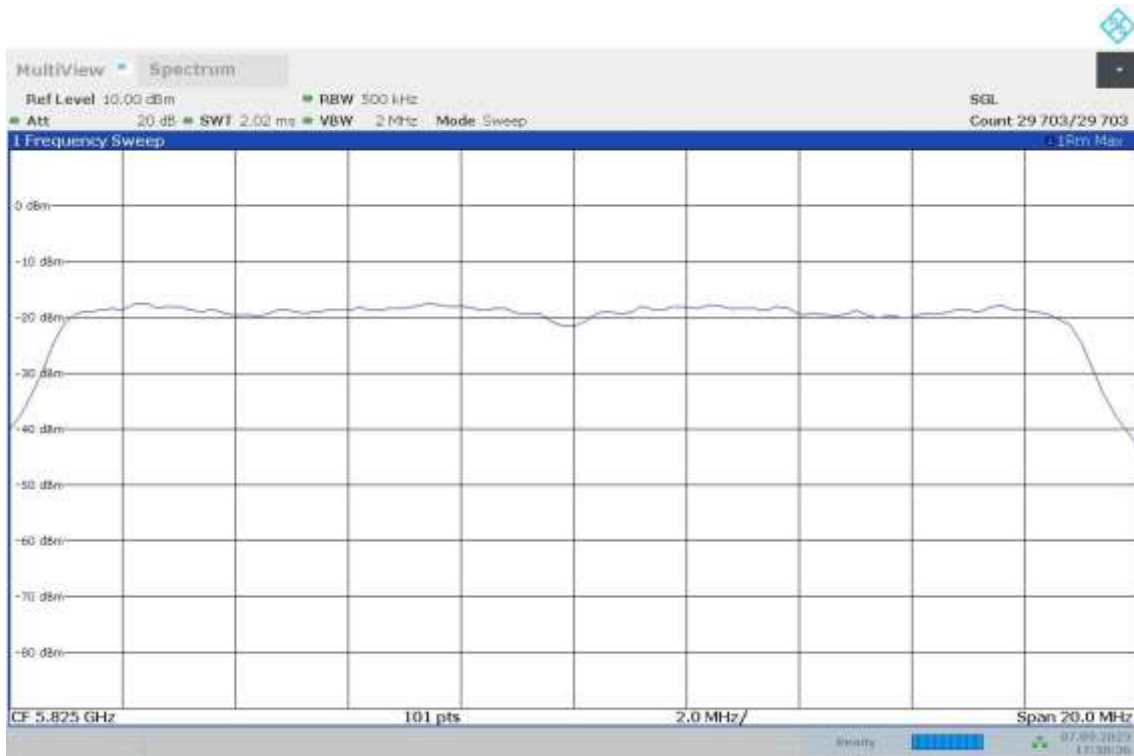
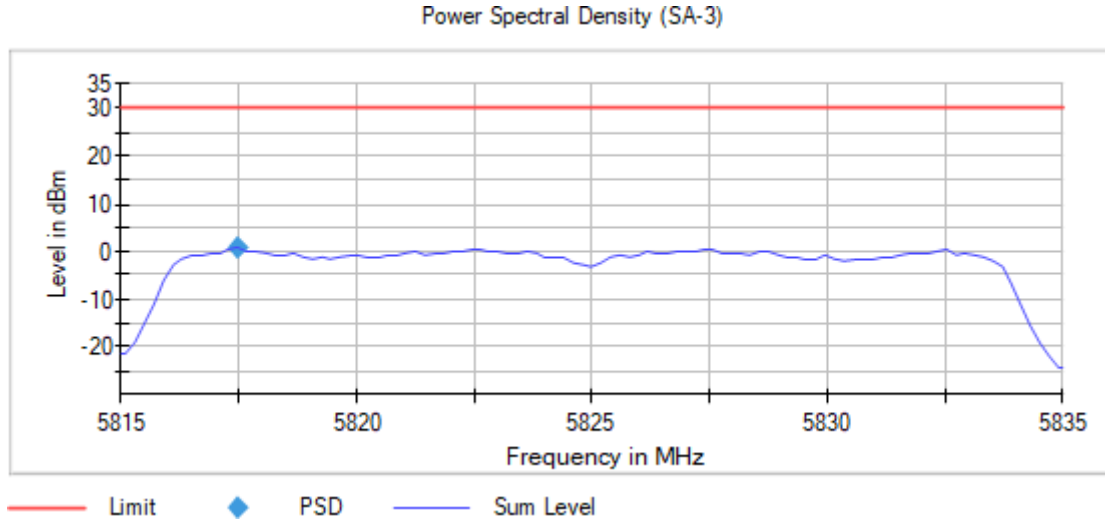


17:12:13 07.09.2023

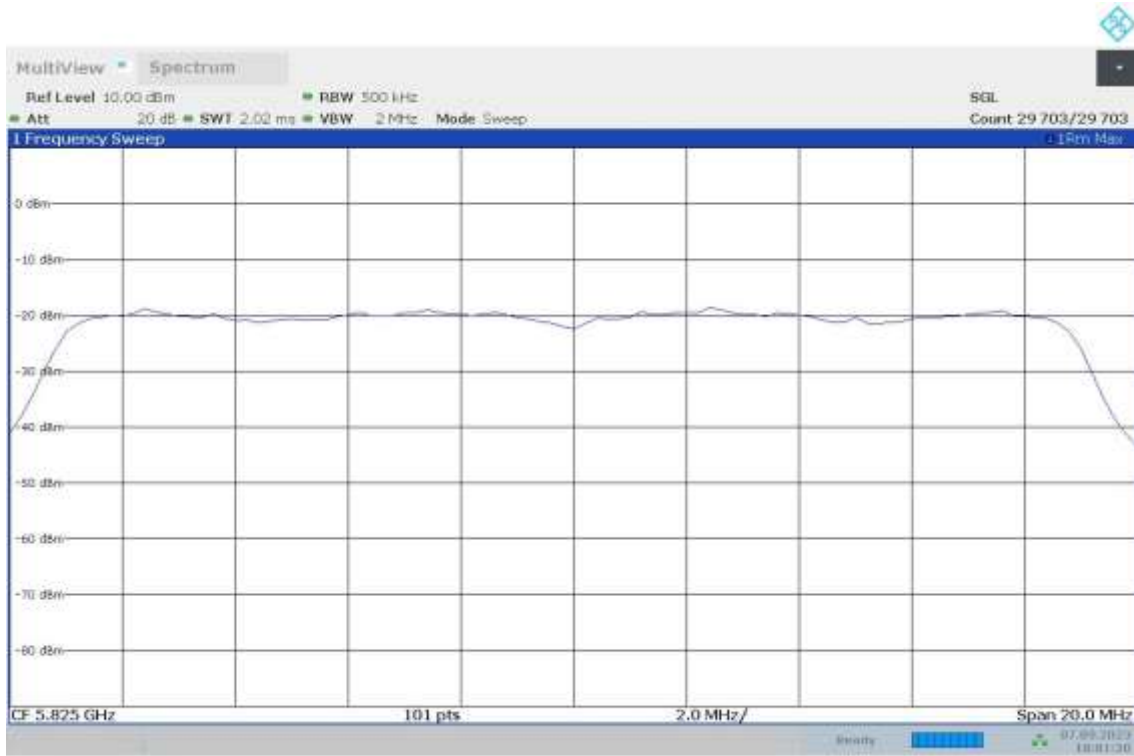


Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5825.00000    Modulation = 802.11ac VHT20 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

Images:



17:50:37 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**

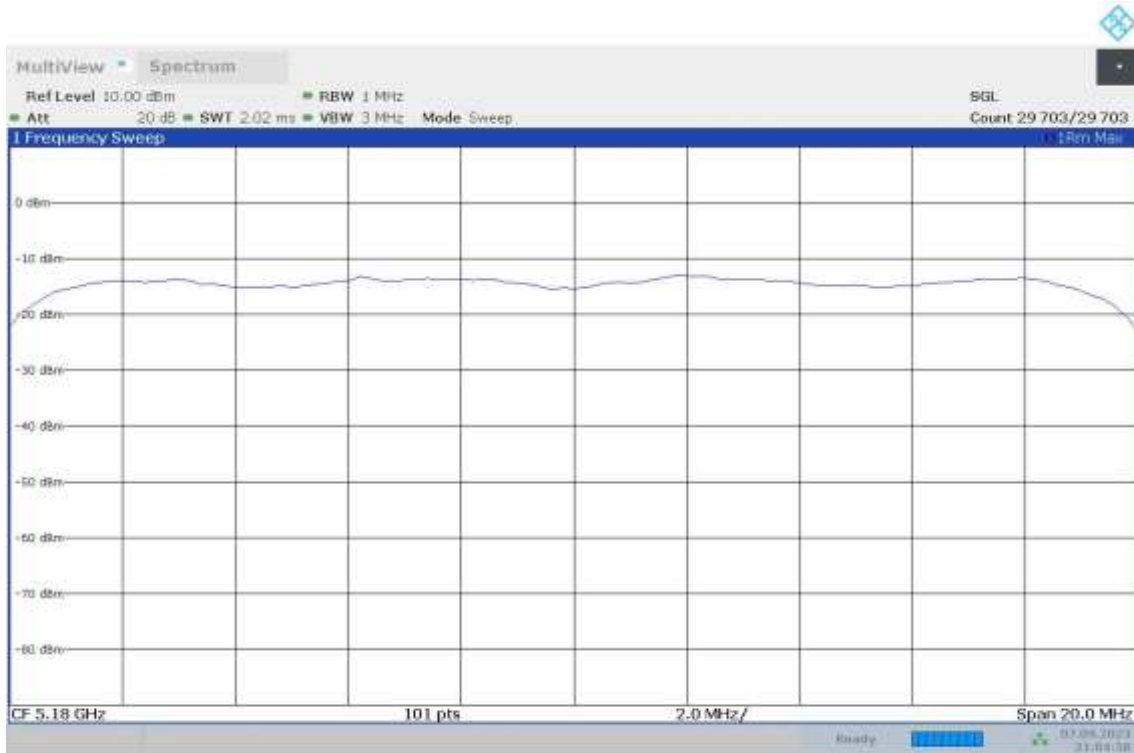
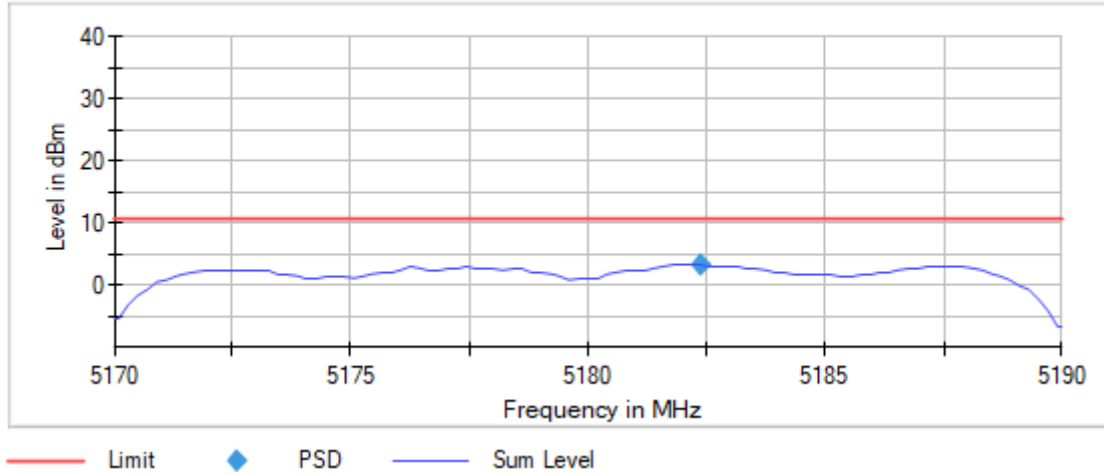
Pass

**Attachments**

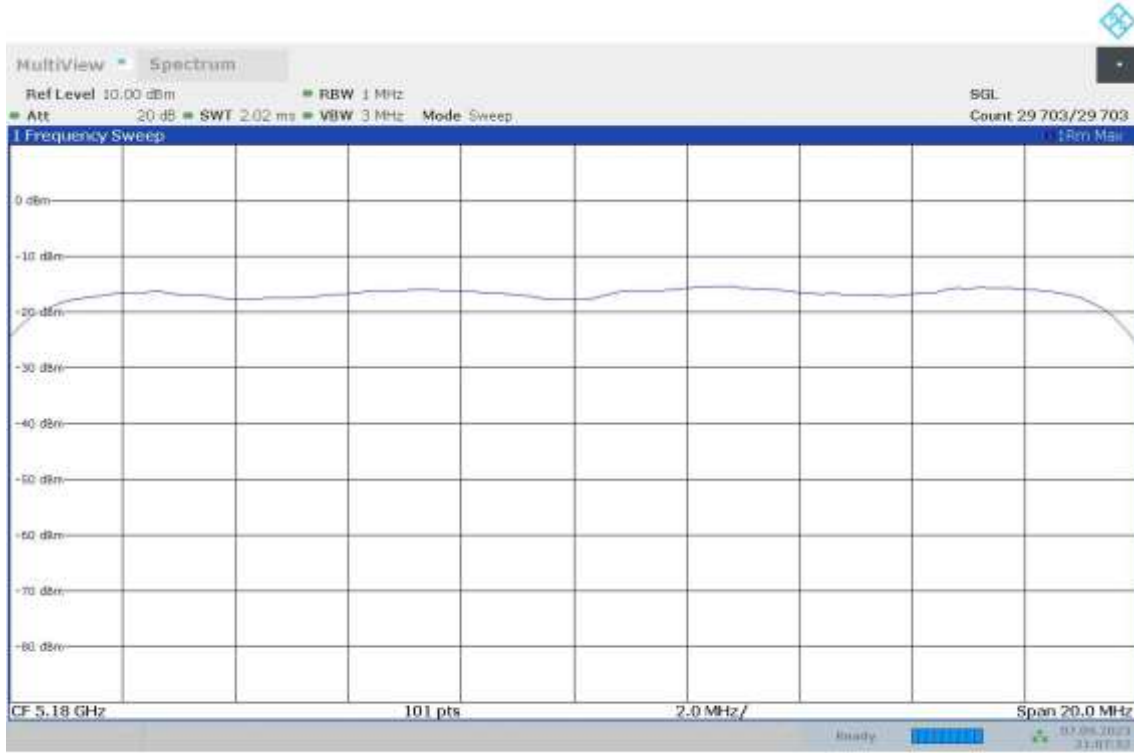
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5180.00000    Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**

Power Spectral Density (SA-3)





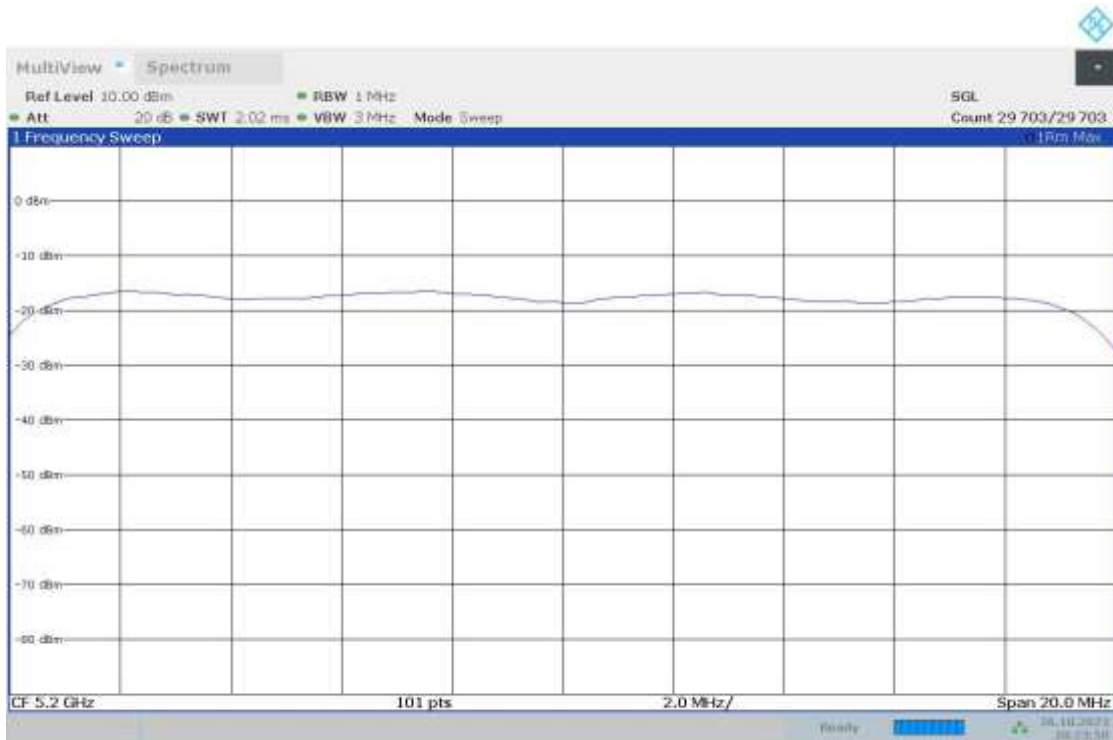
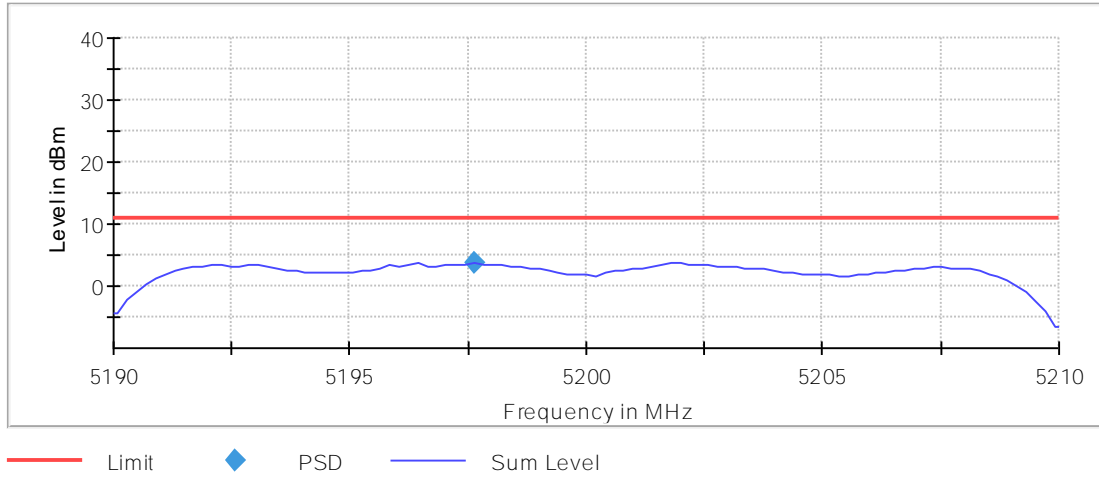


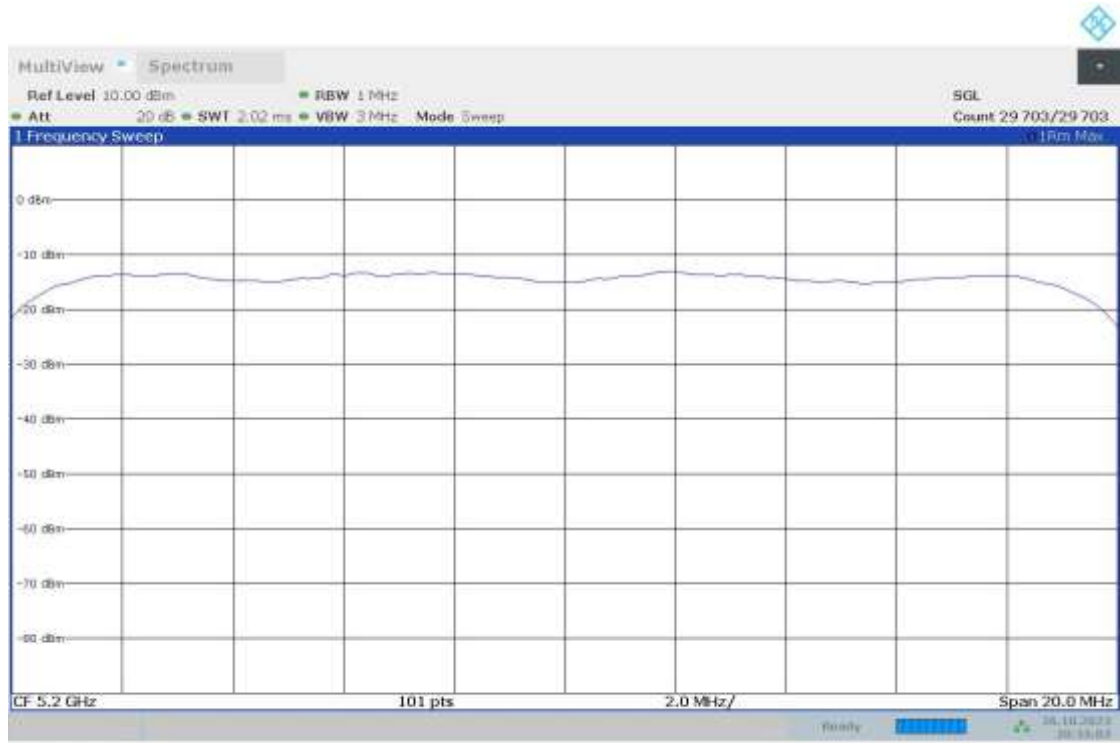
21:07:52 07.09.2023

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:**

Power Spectral Density (SA-3)



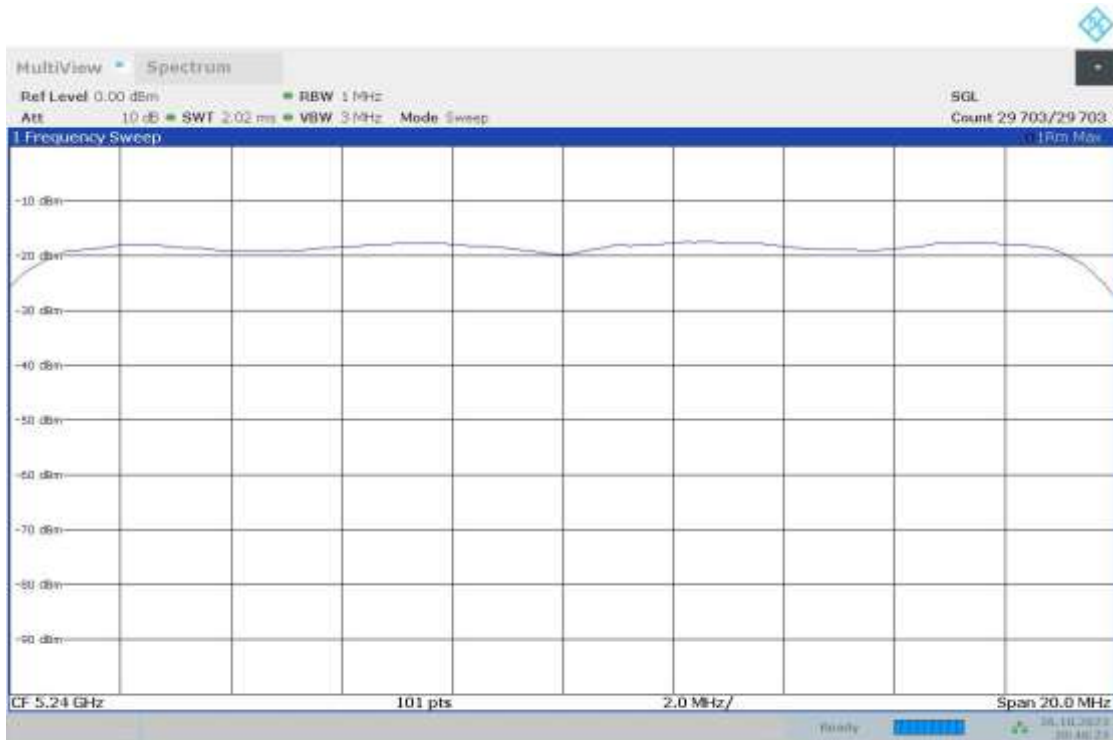
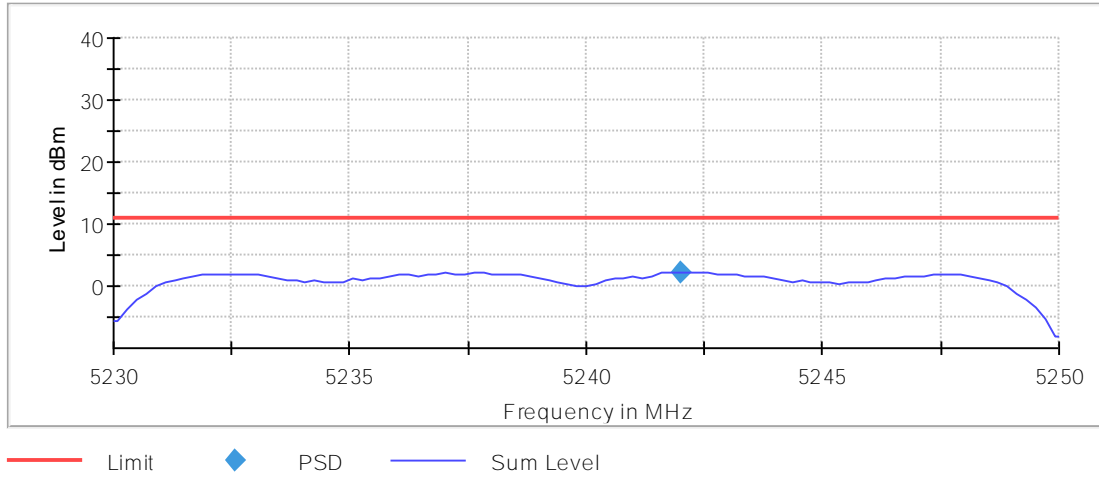


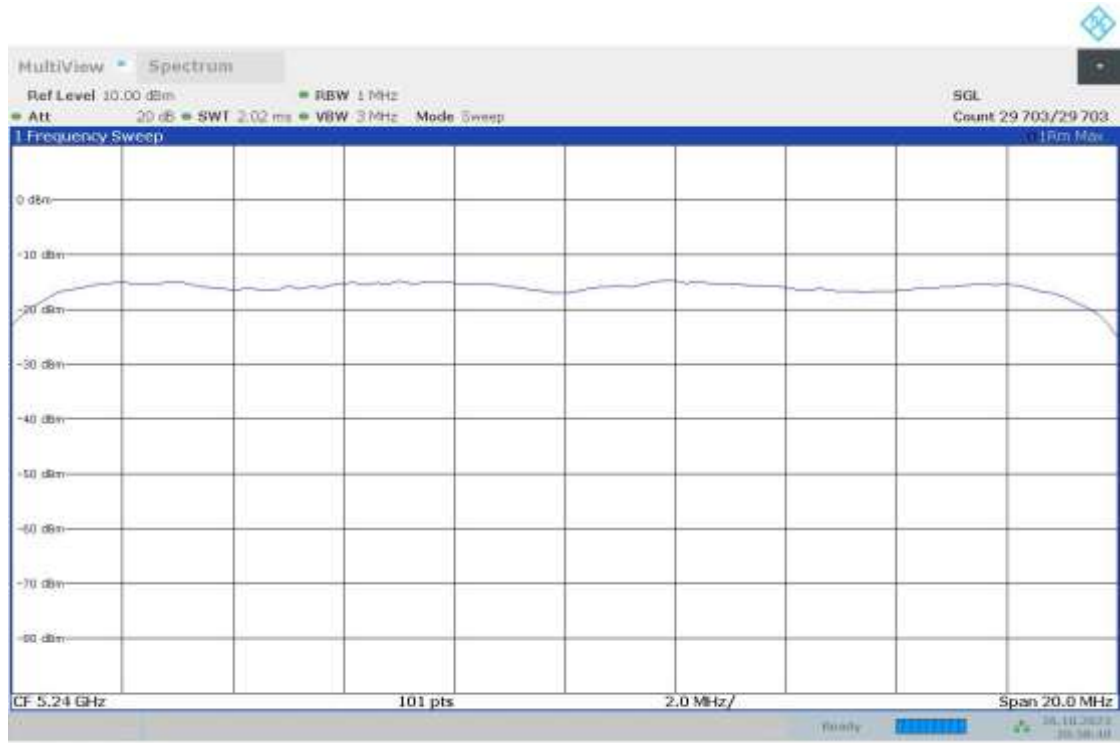
20:35:04 26.10.2023

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:**

Power Spectral Density (SA-3)

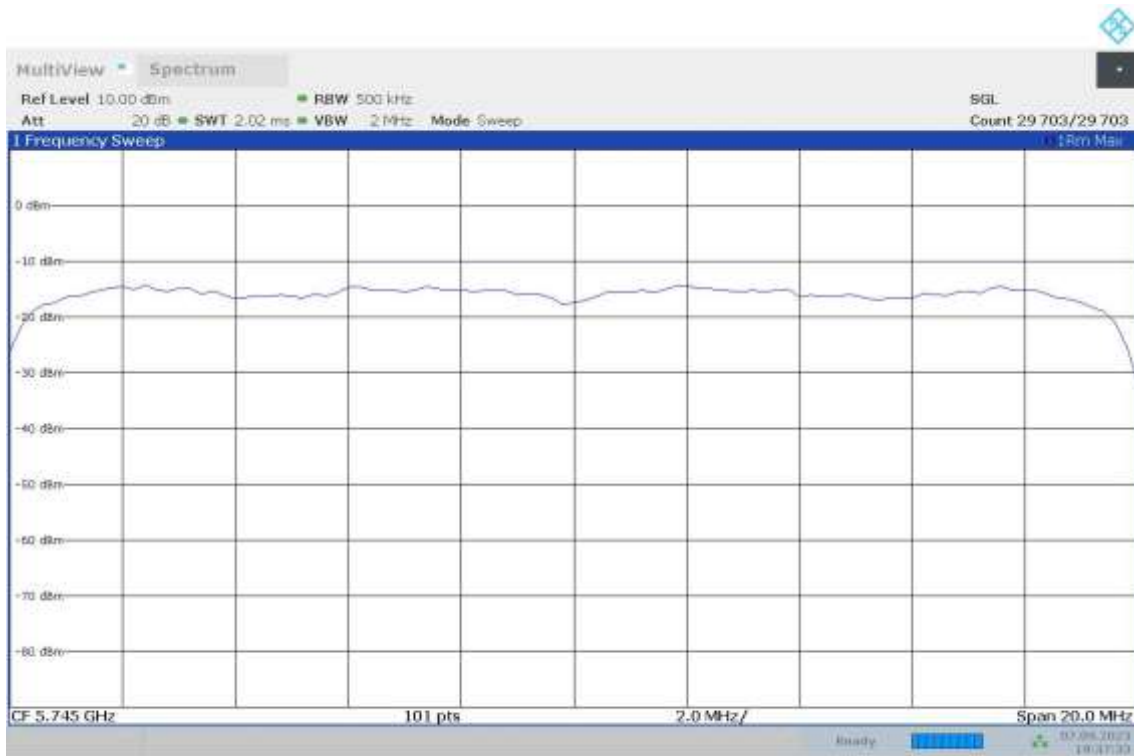
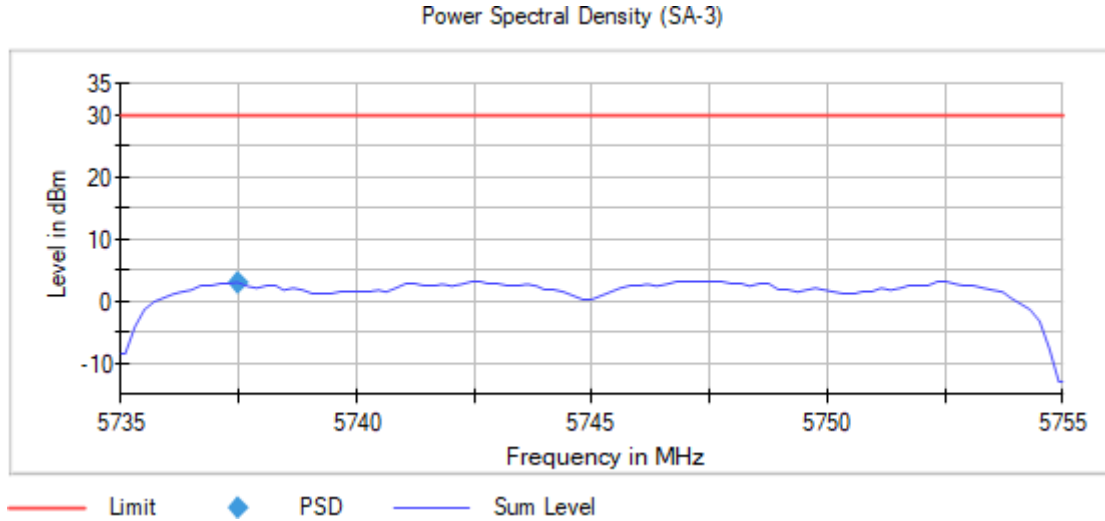




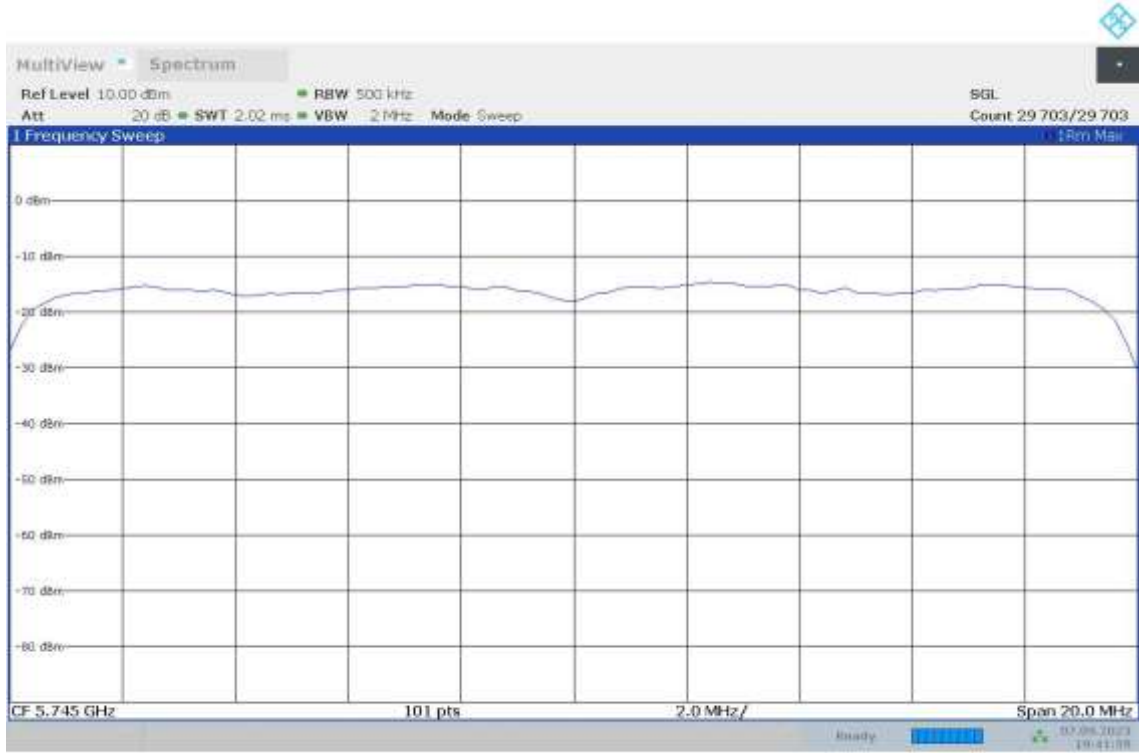
20:58:49 26.10.2023

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:



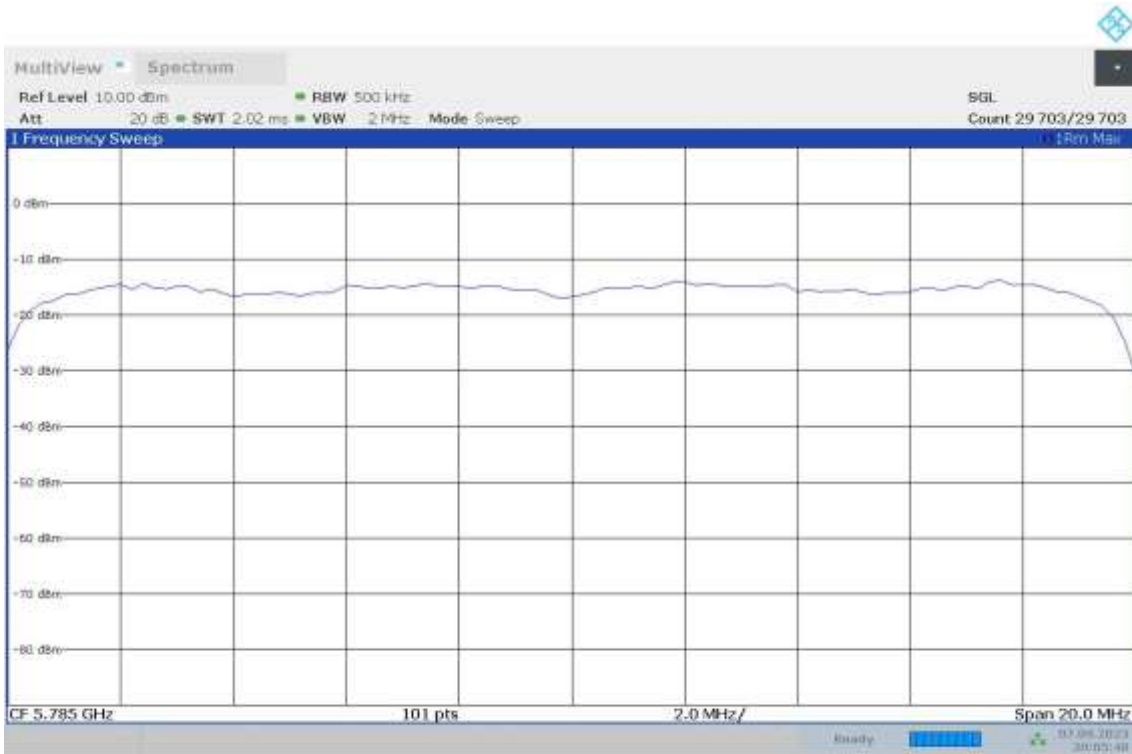
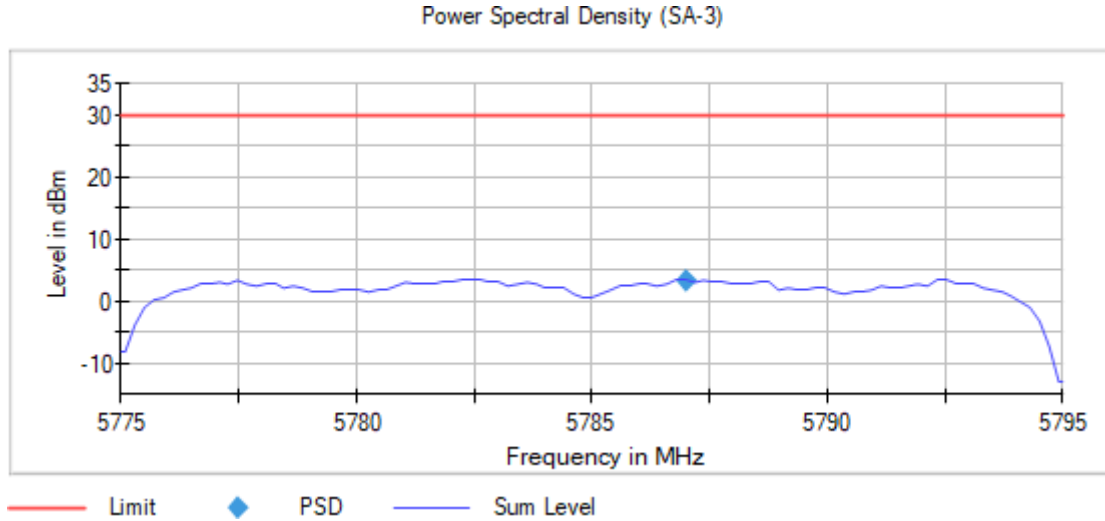
19:37:33 07.09.2023



19:41:59 07.09.2023

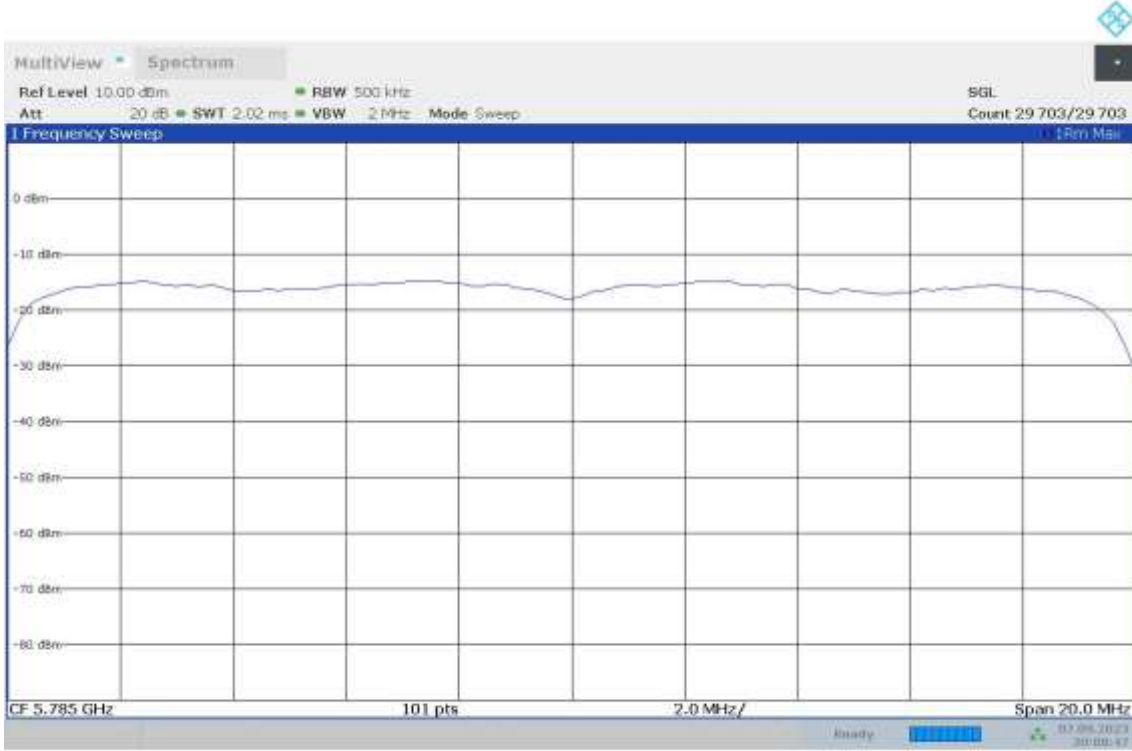
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5785.00000    Modulation = 802.11ax HE20 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

Images:



20:05:48 07.09.2023

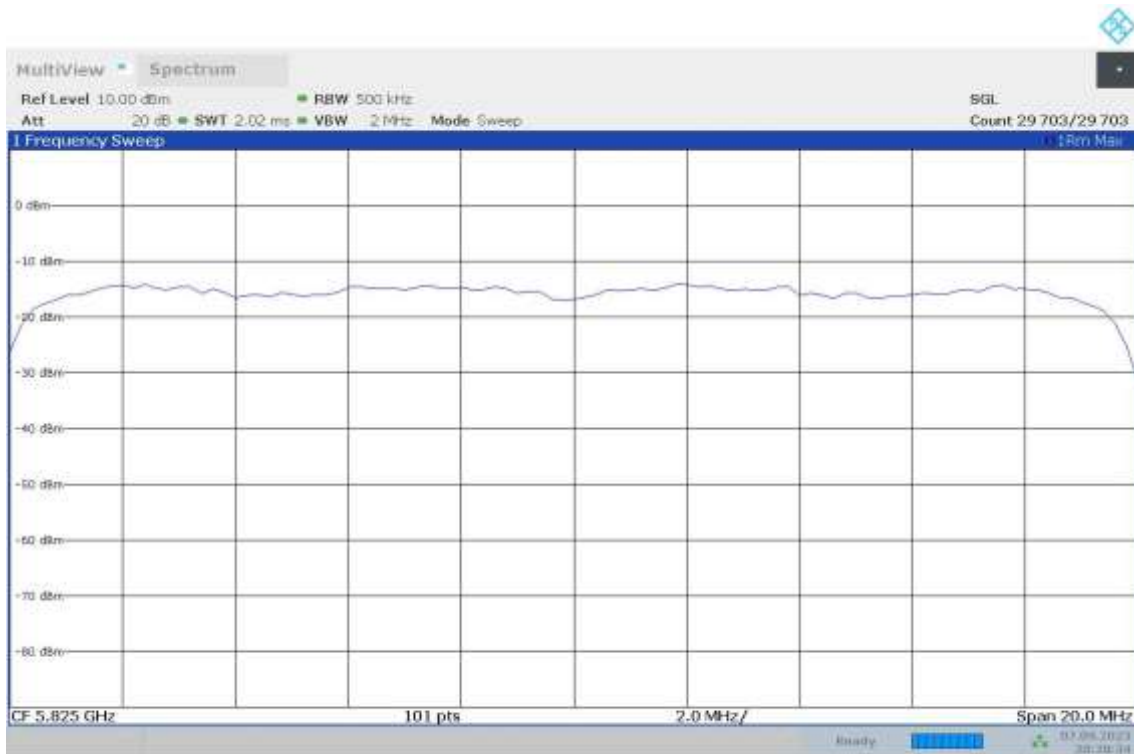
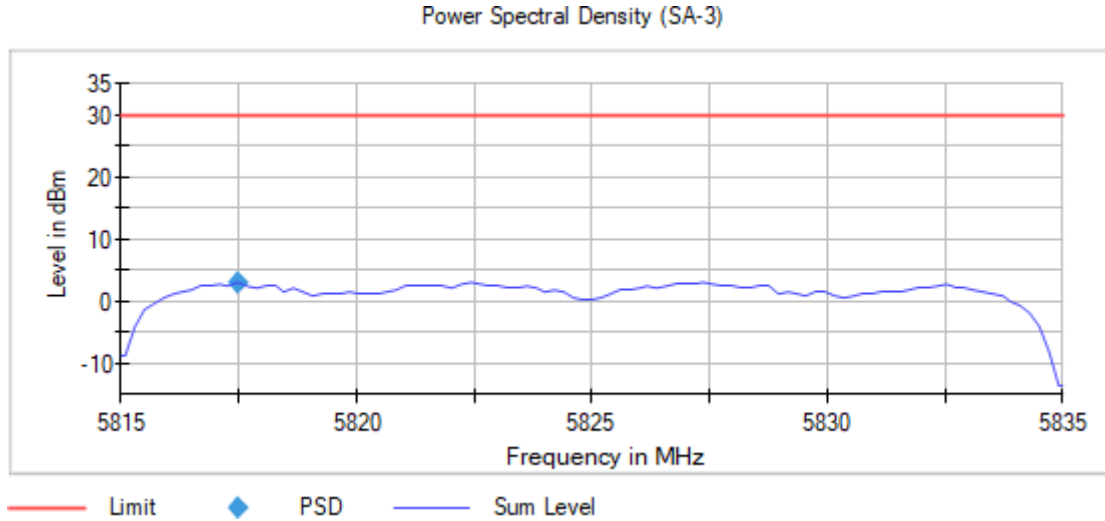




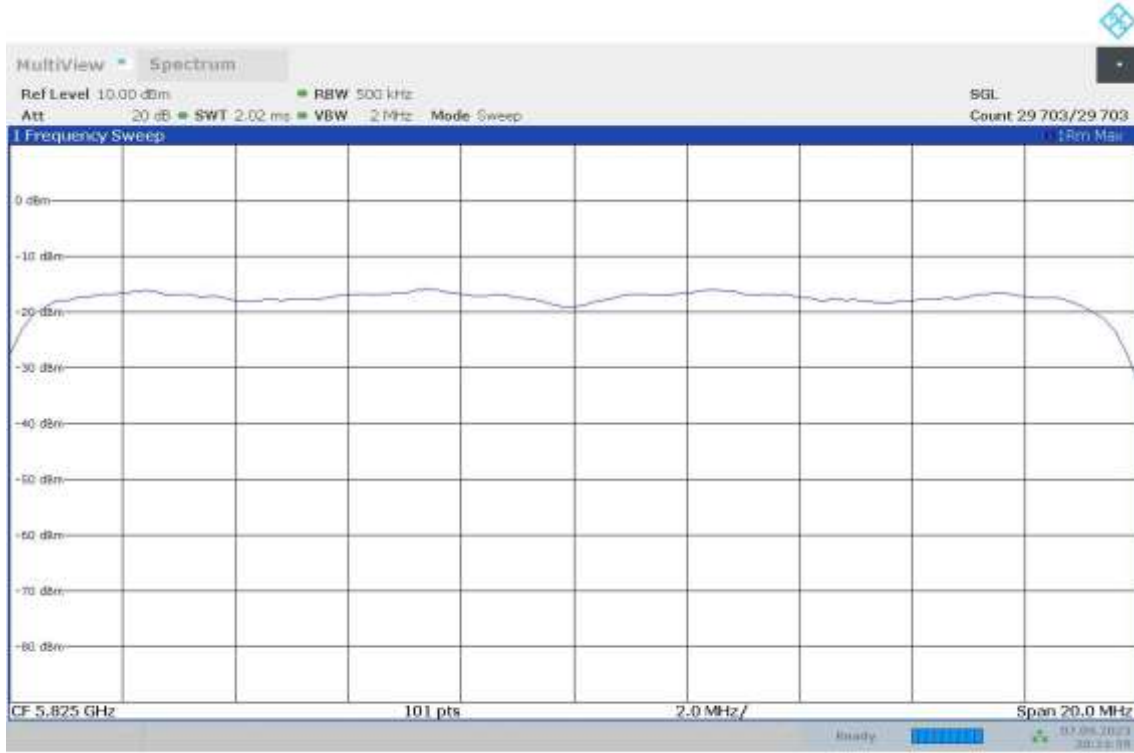
20:08:47 07.09.2023

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:



20:20:34 07.09.2023



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**

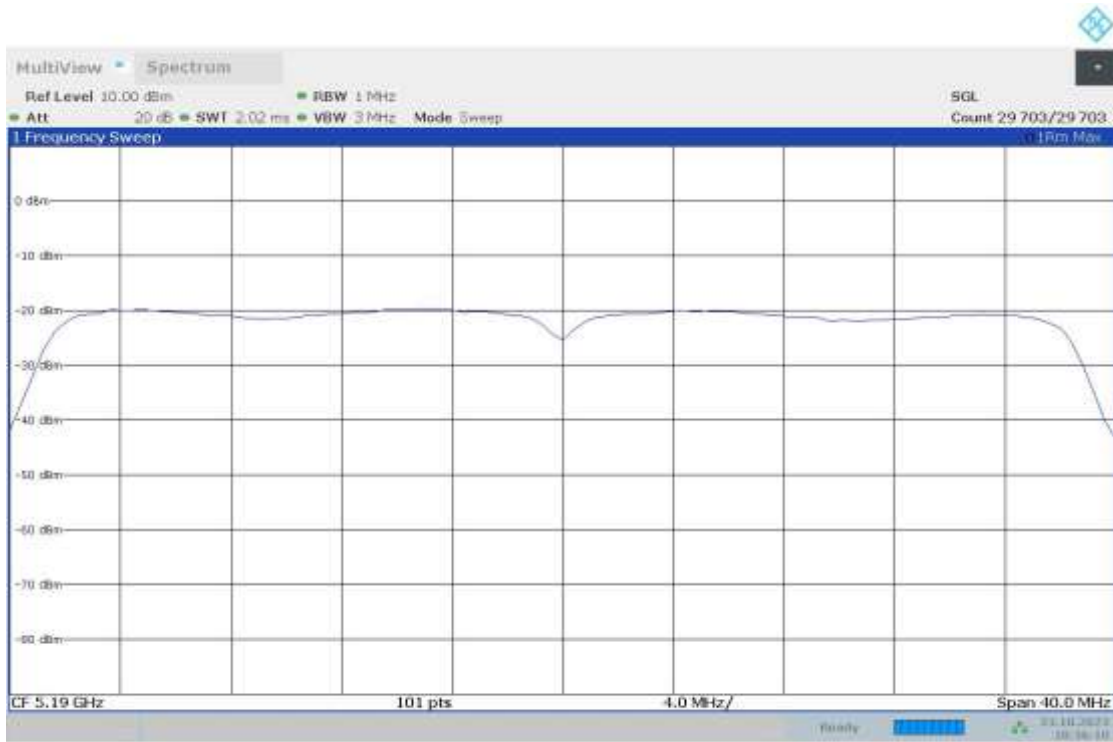
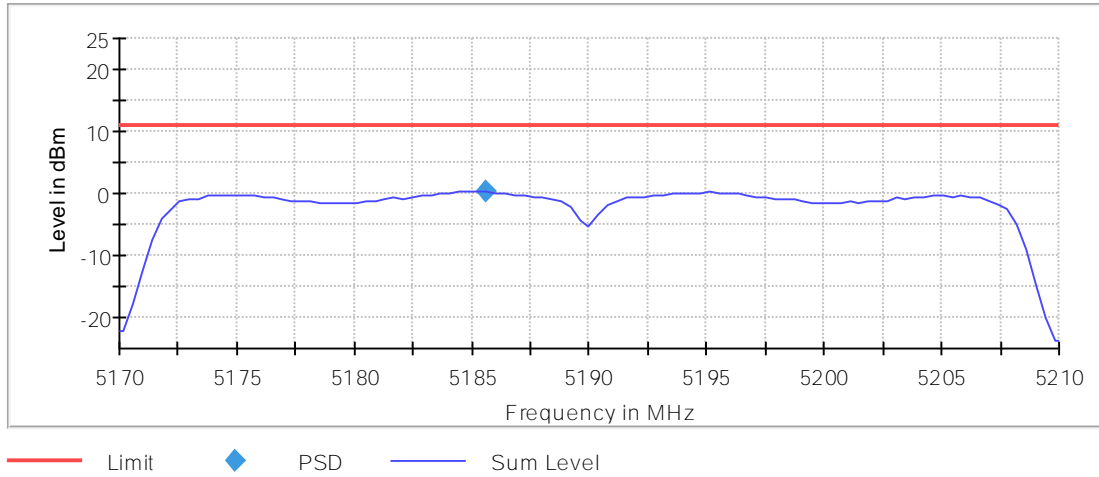
Pass

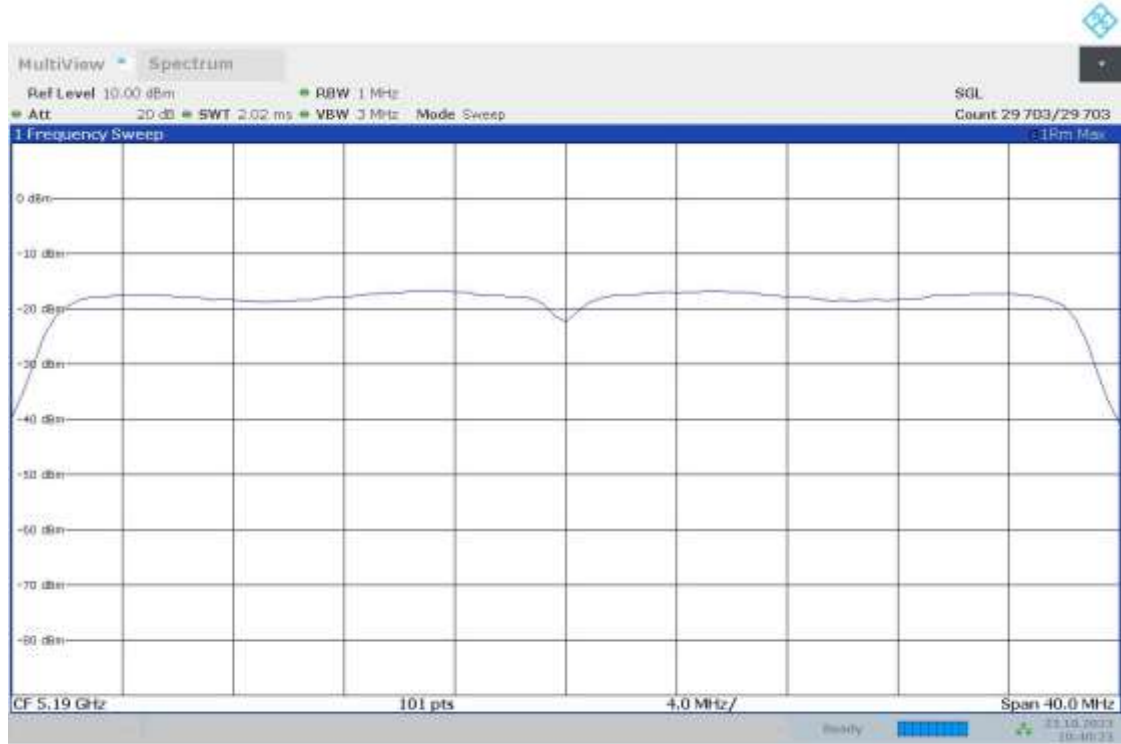
**Attachments**

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:**

Power Spectral Density (SA-3)



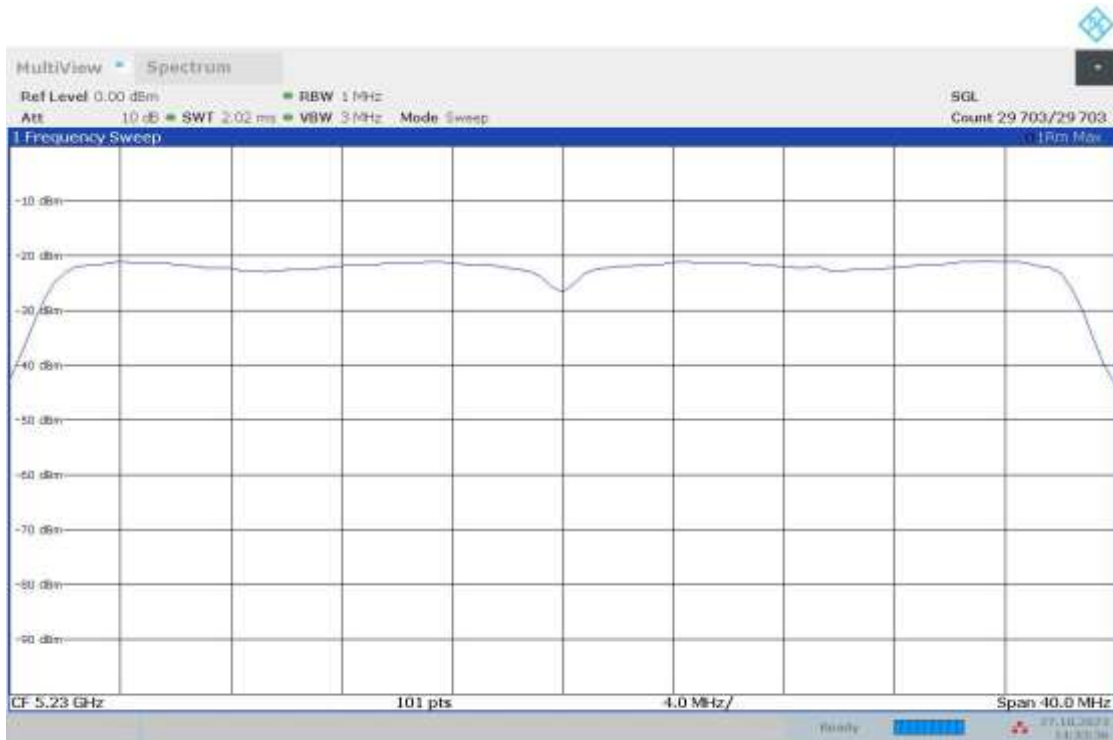
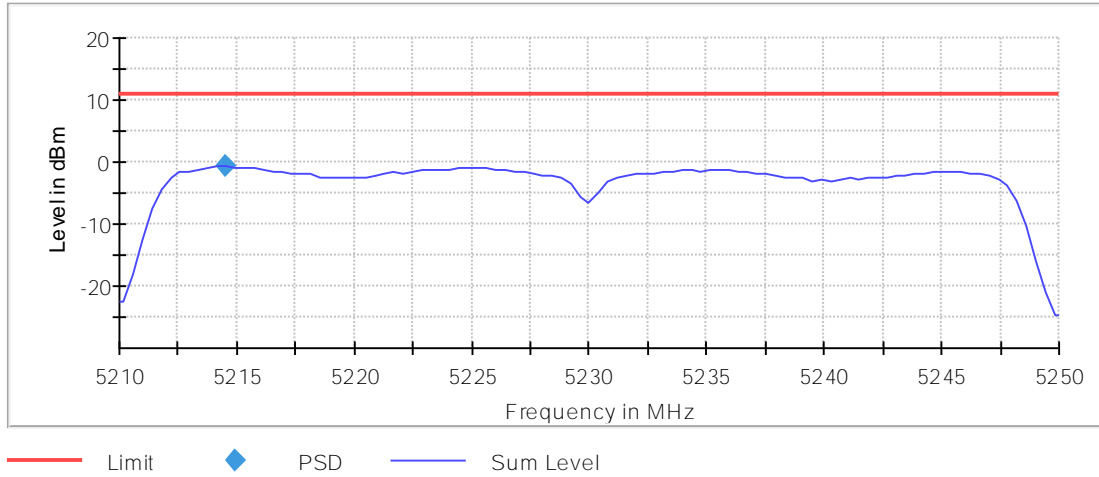


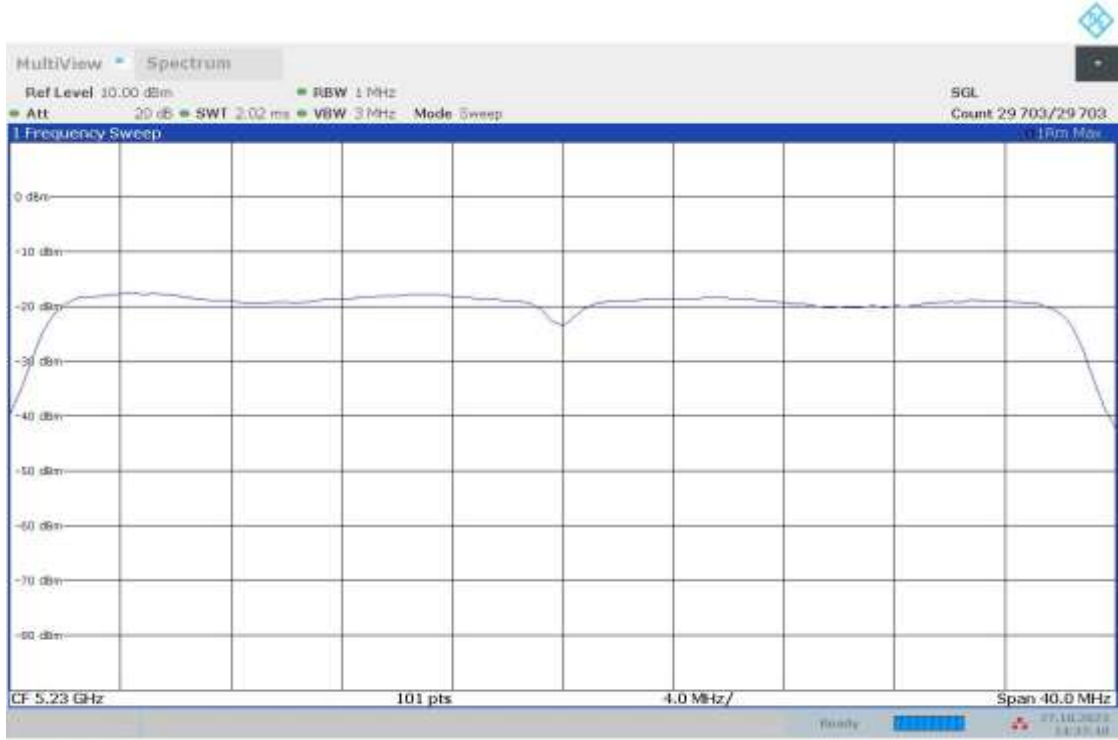
10:40:23 23.10.2023

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:

Power Spectral Density (SA-3)





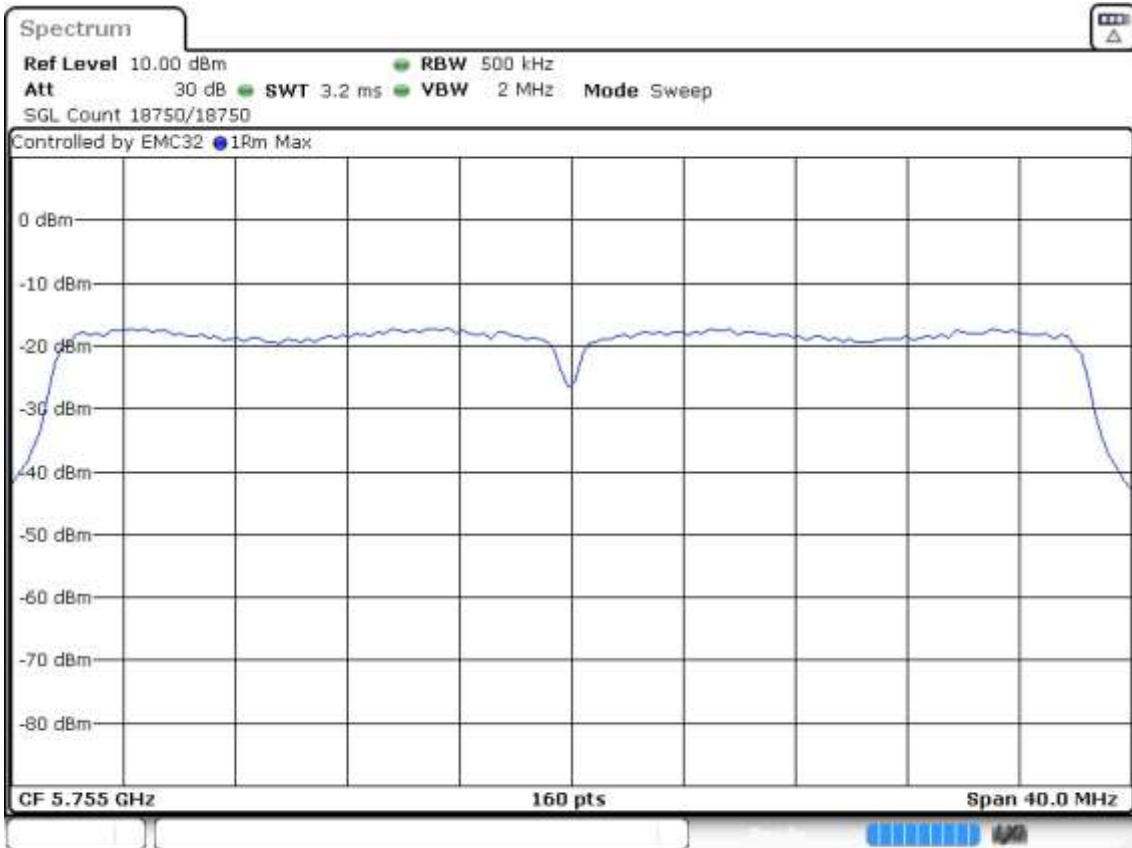
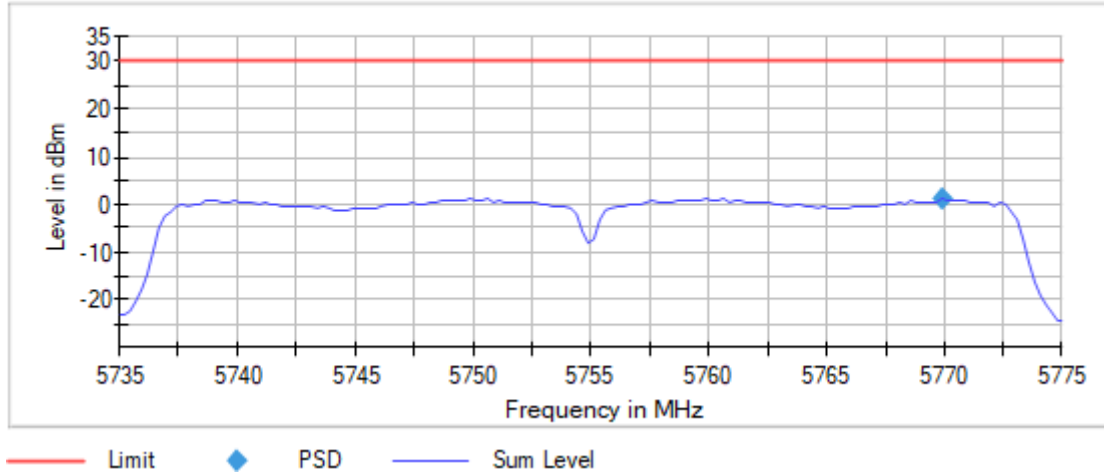
14:37:49 27.10.2023



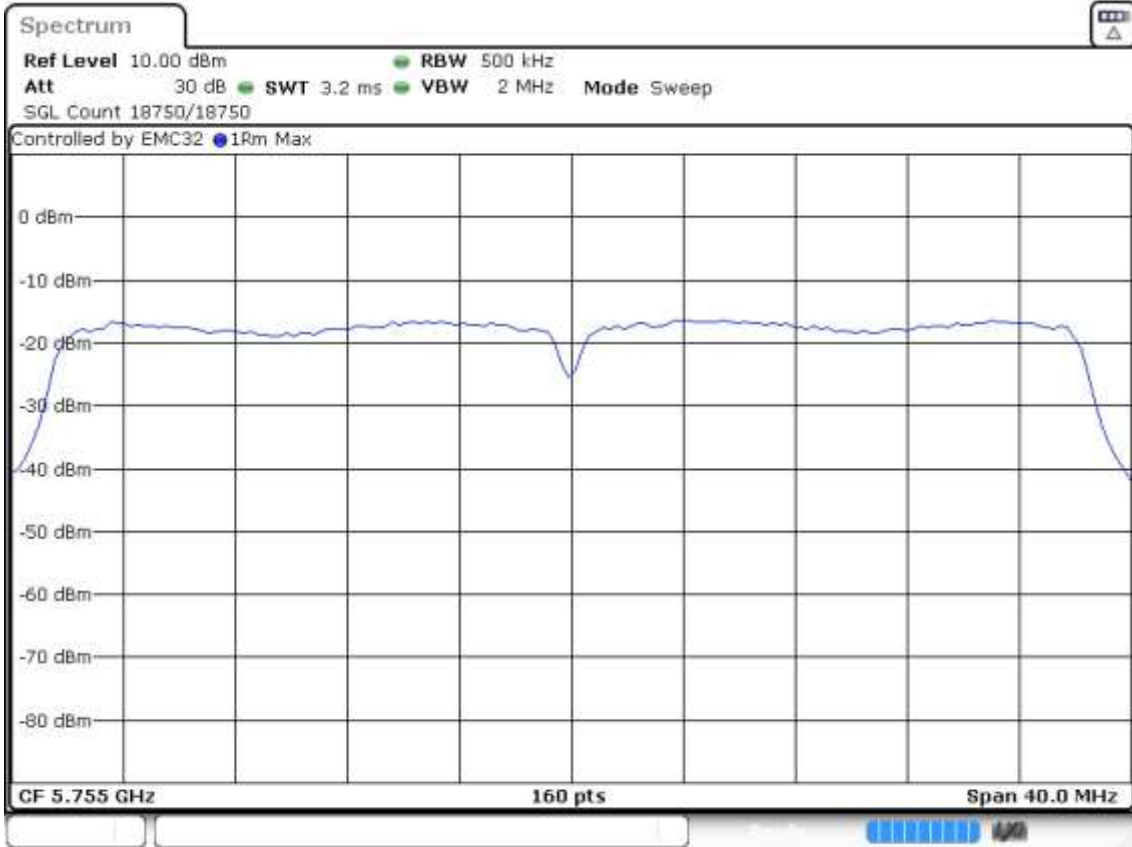
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5755.00000    Modulation = 802.11ac VHT40 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

Images:

Power Spectral Density (SA-3)



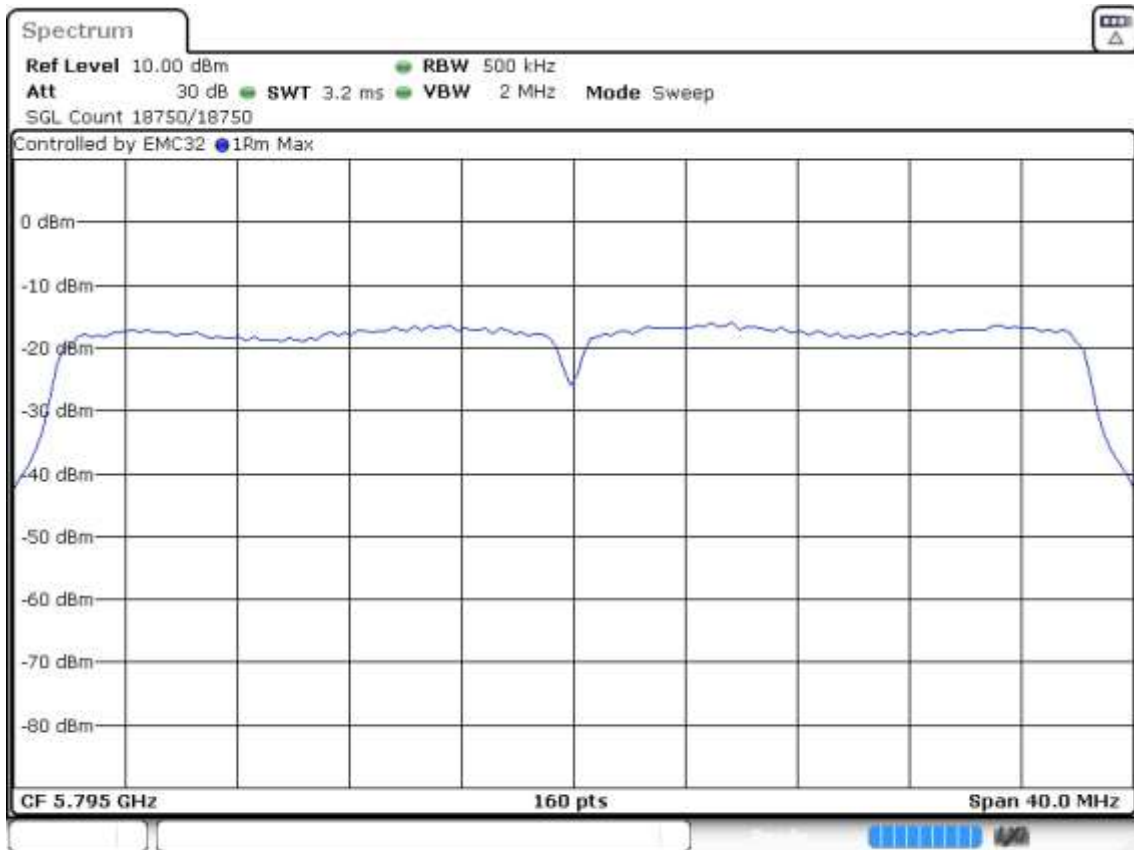
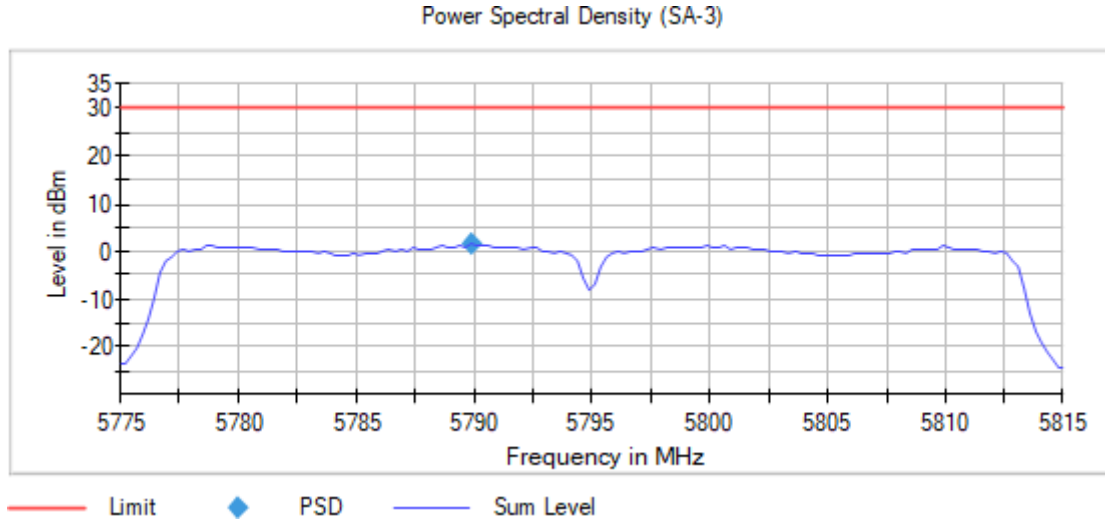
Date: 8.SEP.2023 17:08:59



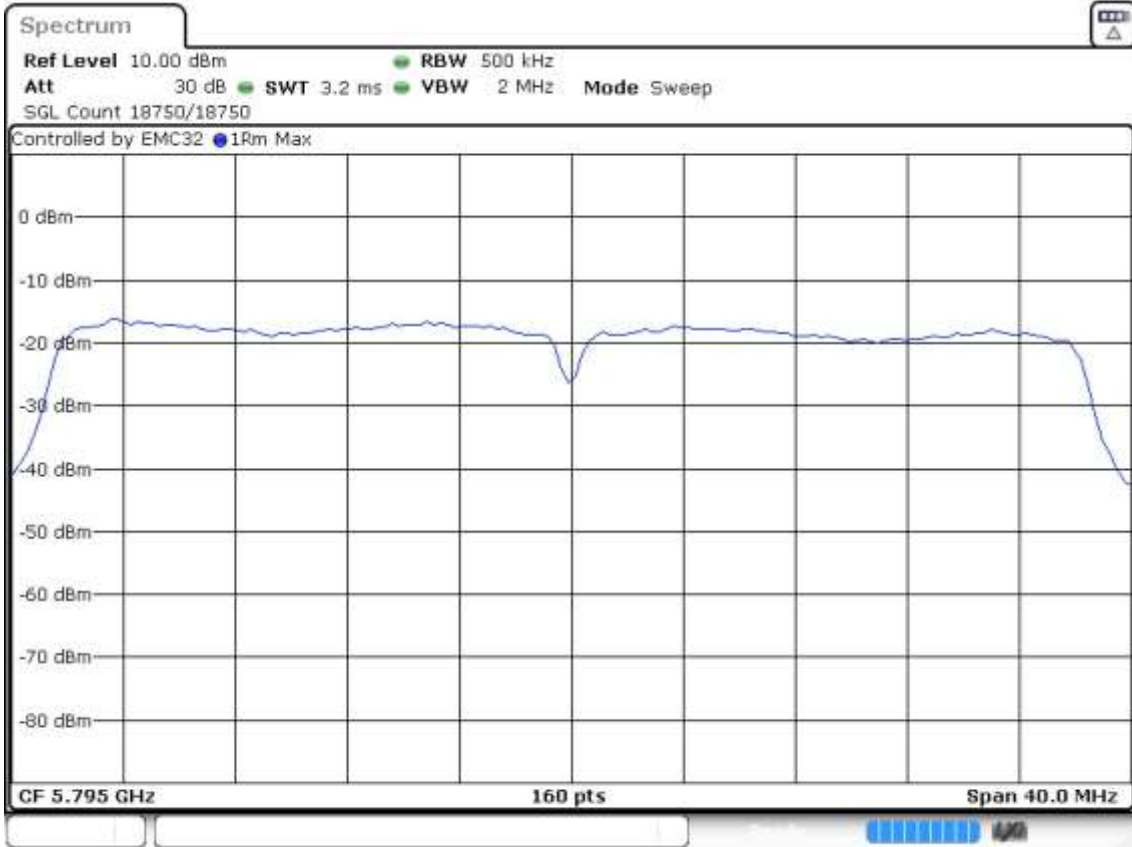
Date: 8.SEP.2023 17:11:37

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:



Date: 8.SEP.2023 17:42:20



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**

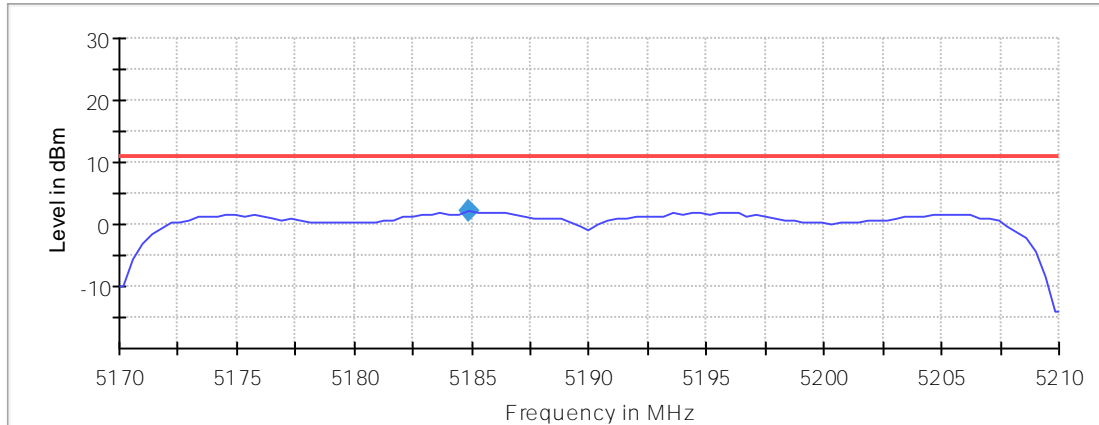
Pass

**Attachments**

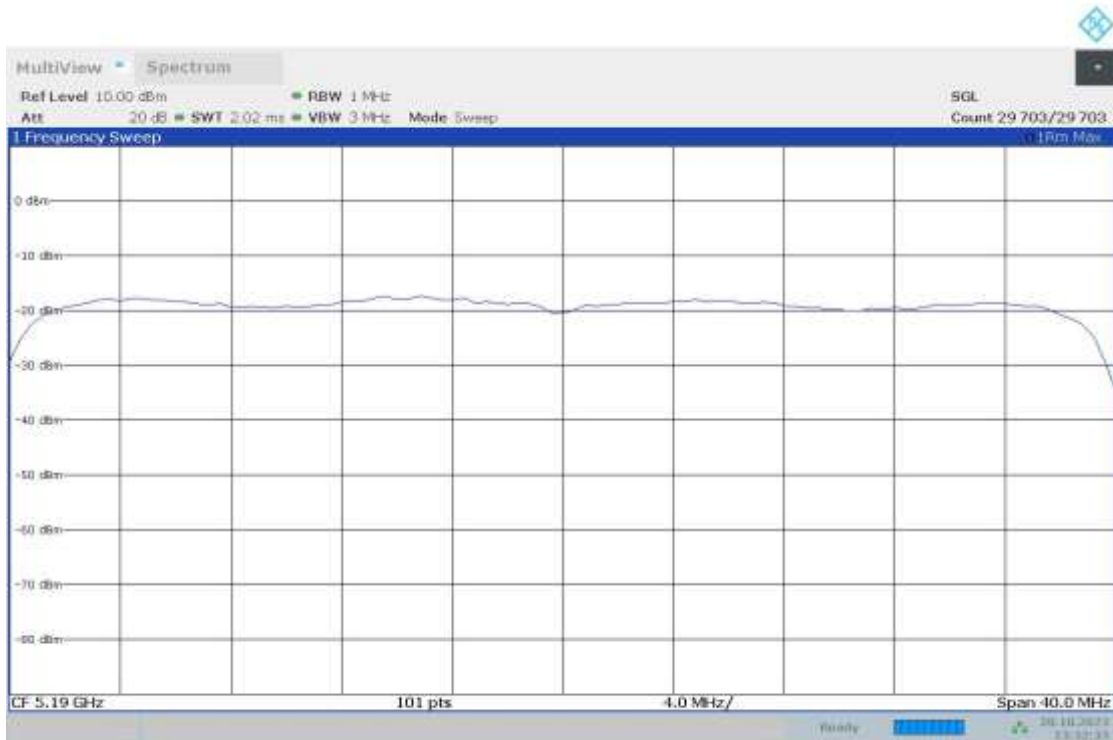
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5190.00000    Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

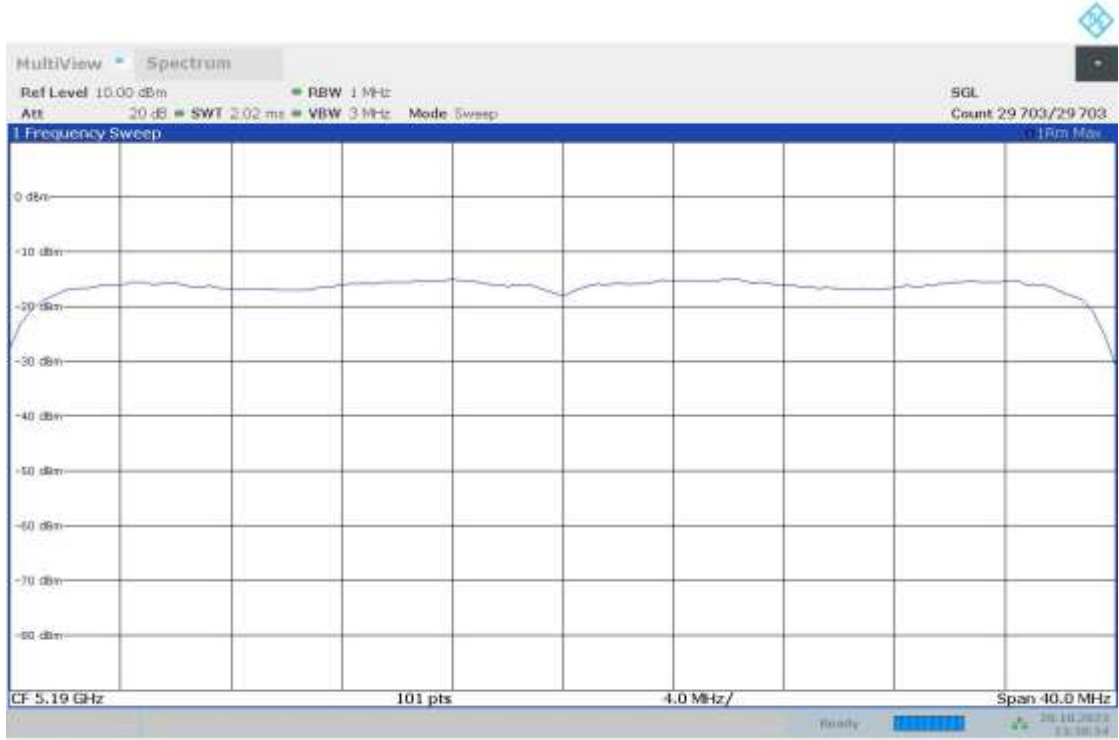
**Images:**

Power Spectral Density (SA-3)



— Limit    ◆ PSD    — Sum Level

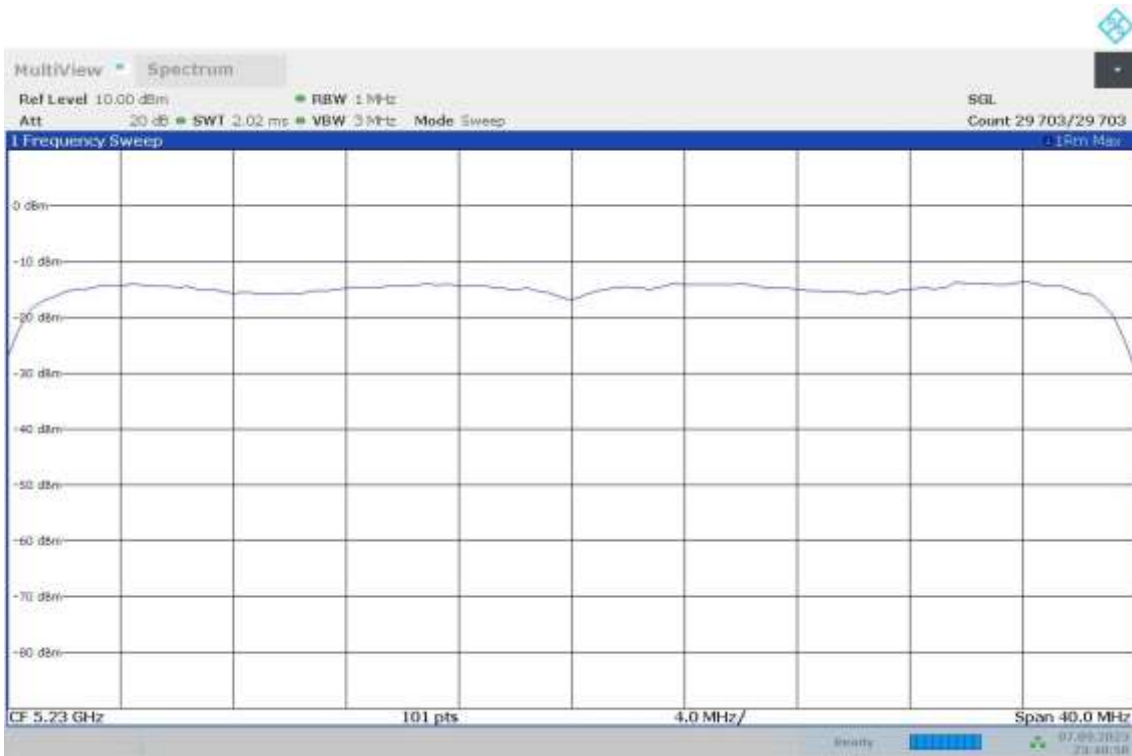
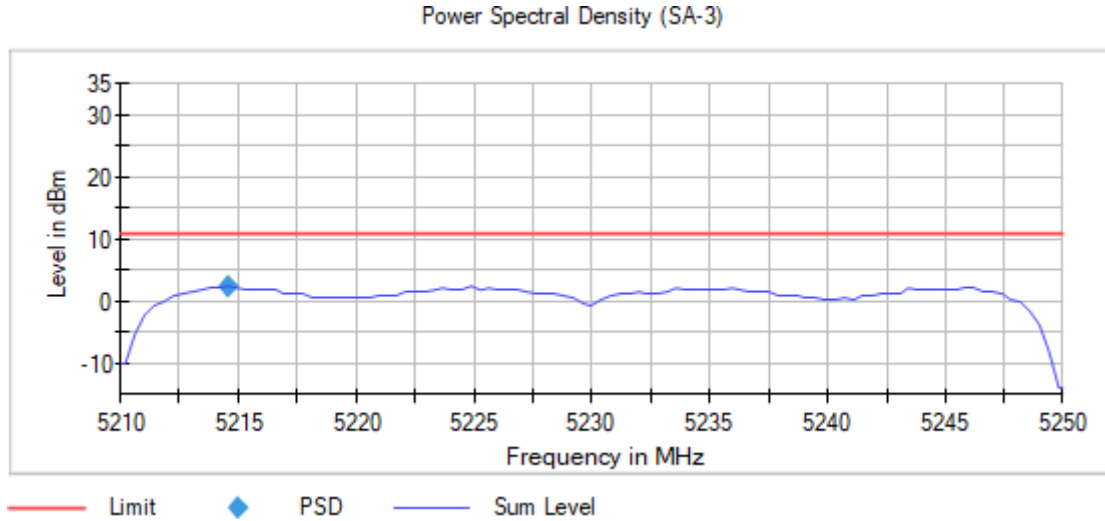




13:38:55 20.10.2023

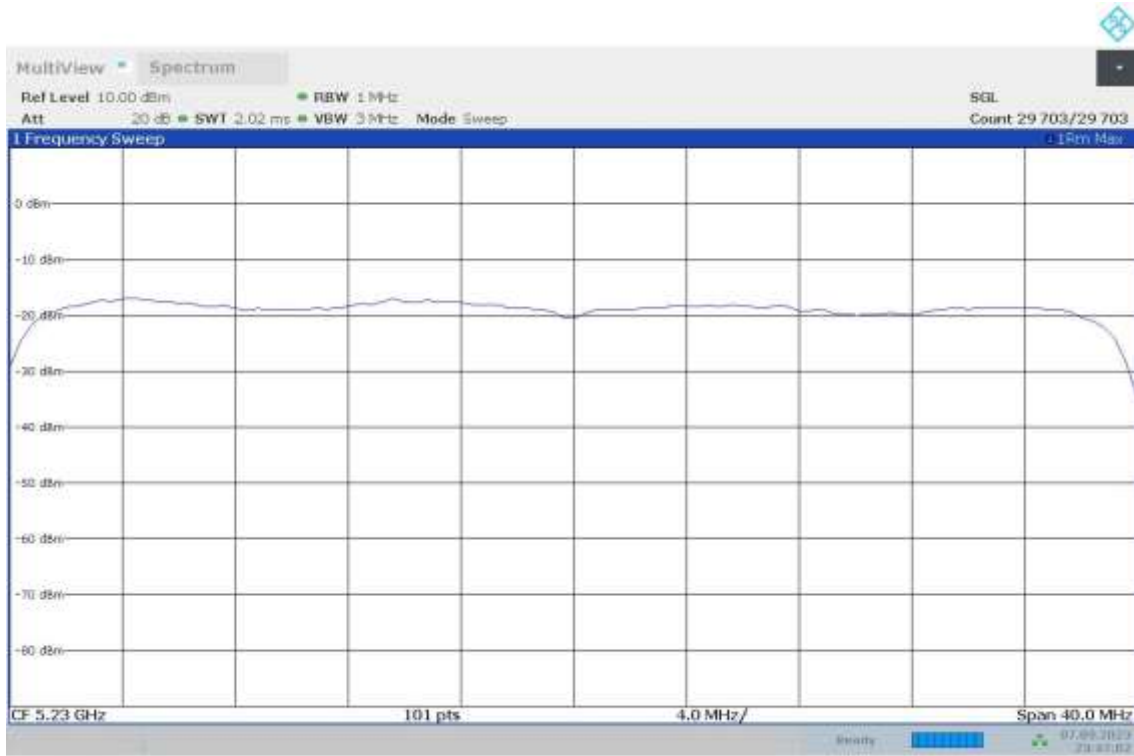
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5230.00000    Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

Images:



23:40:58 07.09.2023

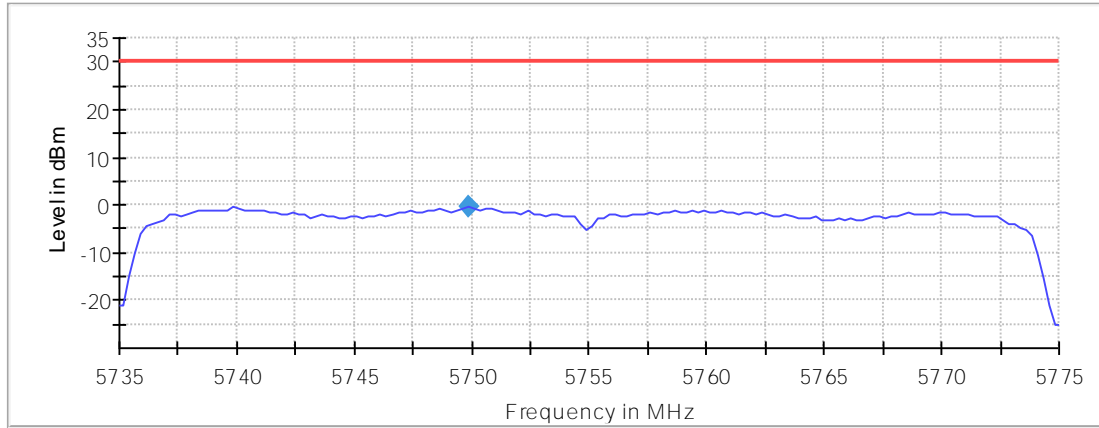




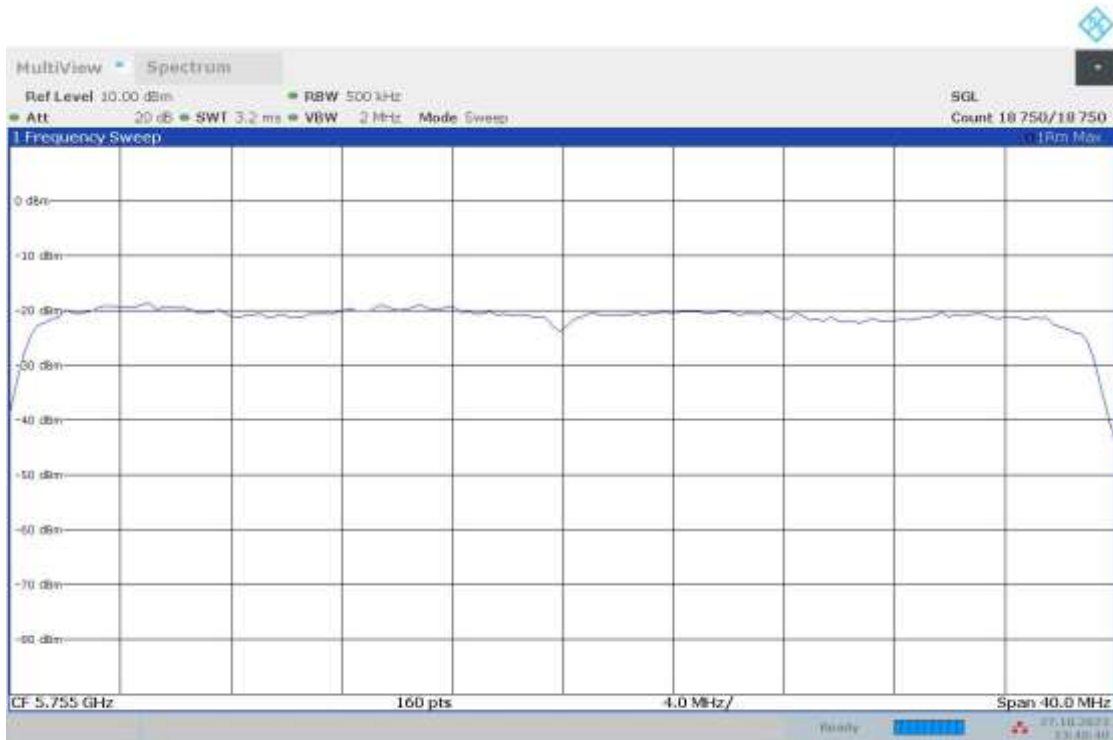
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5755.00000    Modulation = 802.11ax HE40 SS1 (OFDMA MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

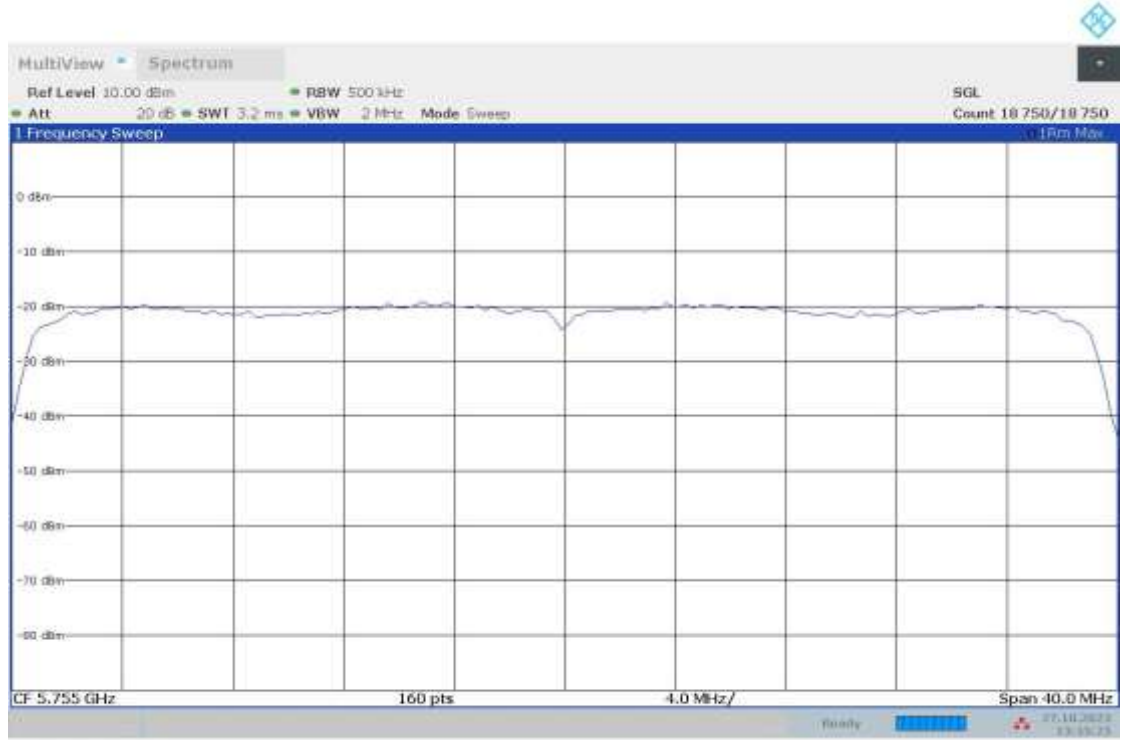
**Images:**

Power Spectral Density (SA-3)



— Limit    ◆ PSD    — Sum Level

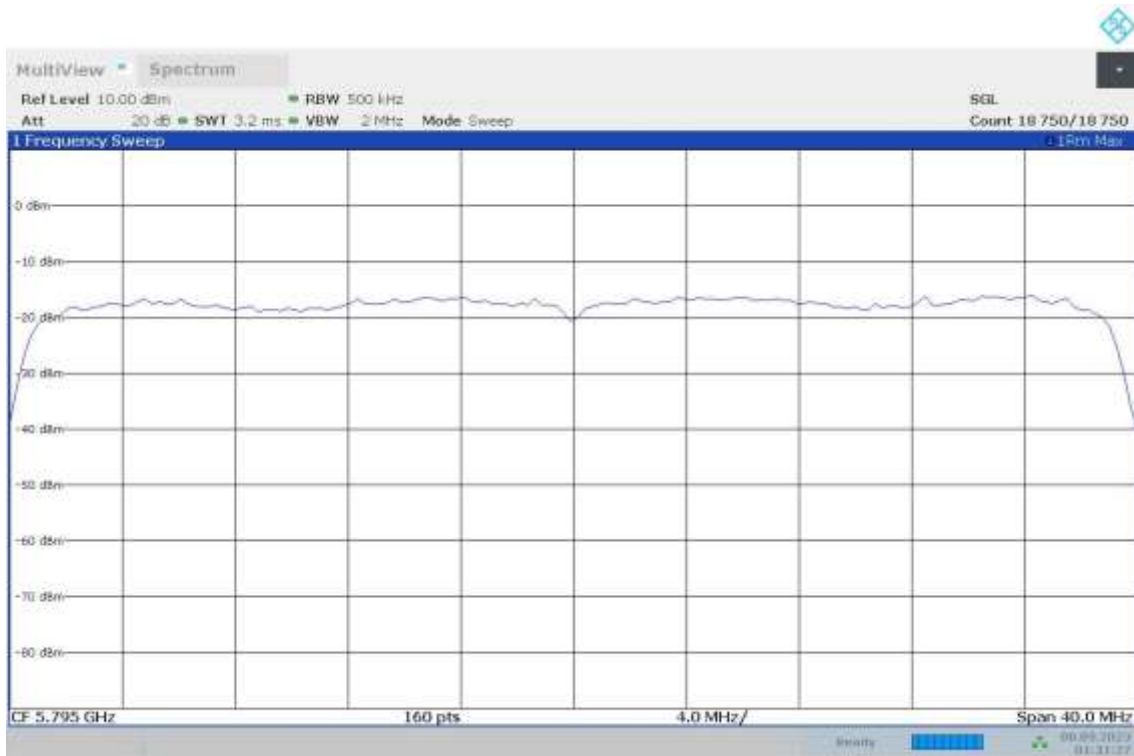
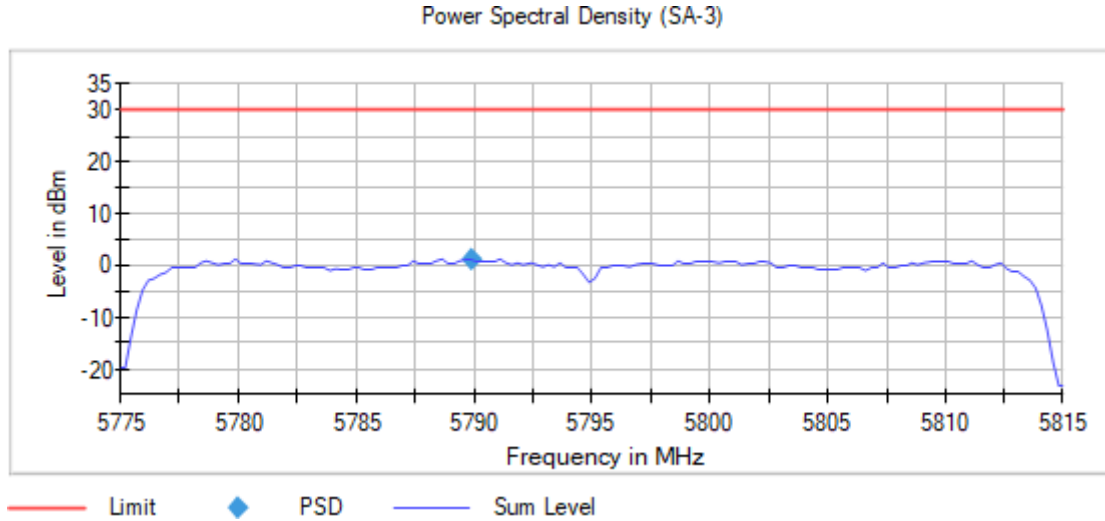




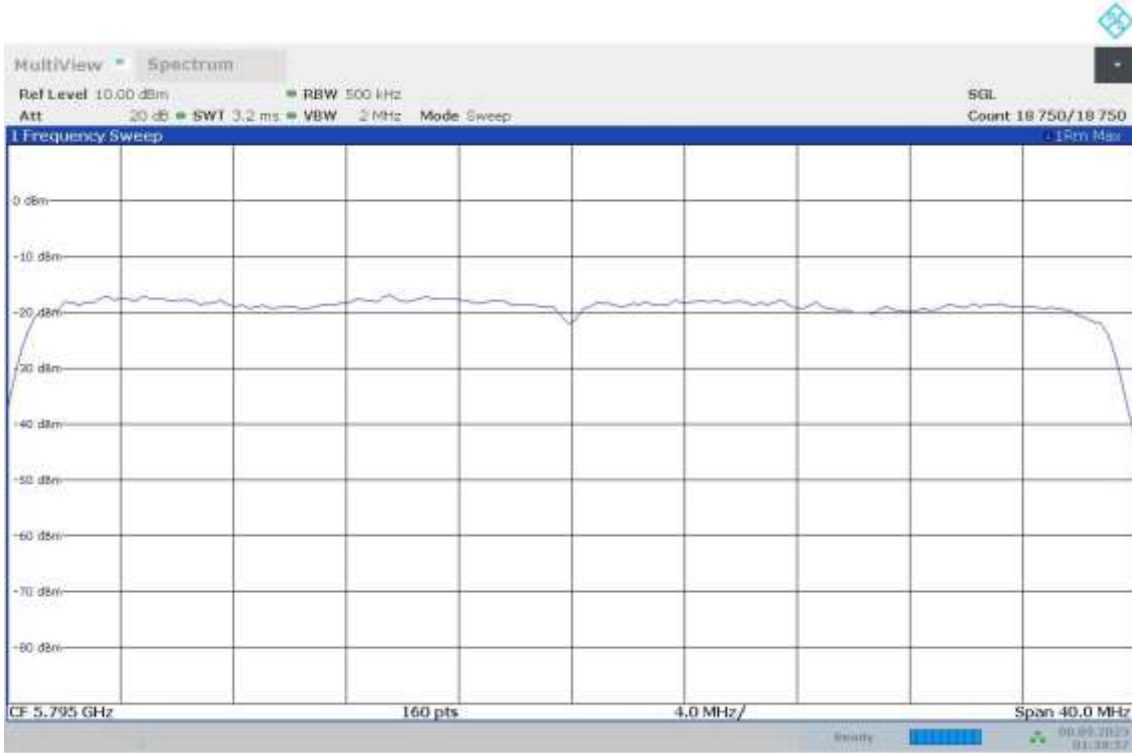
13:55:26 27.10.2023

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**

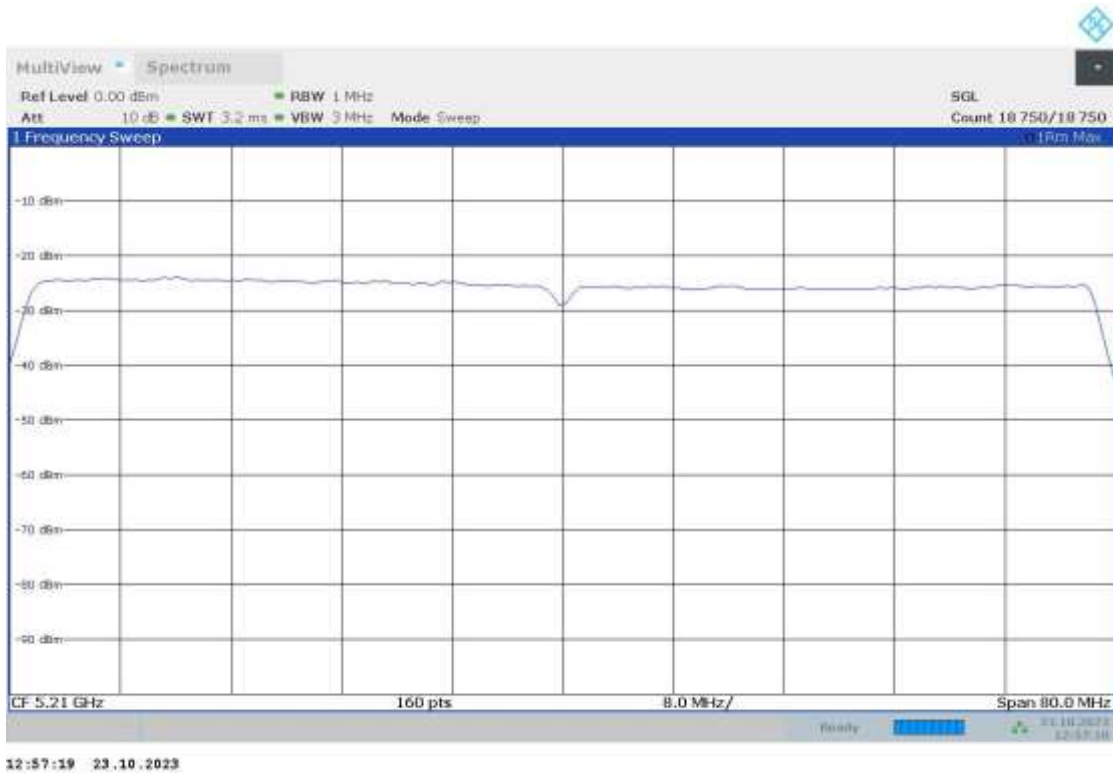
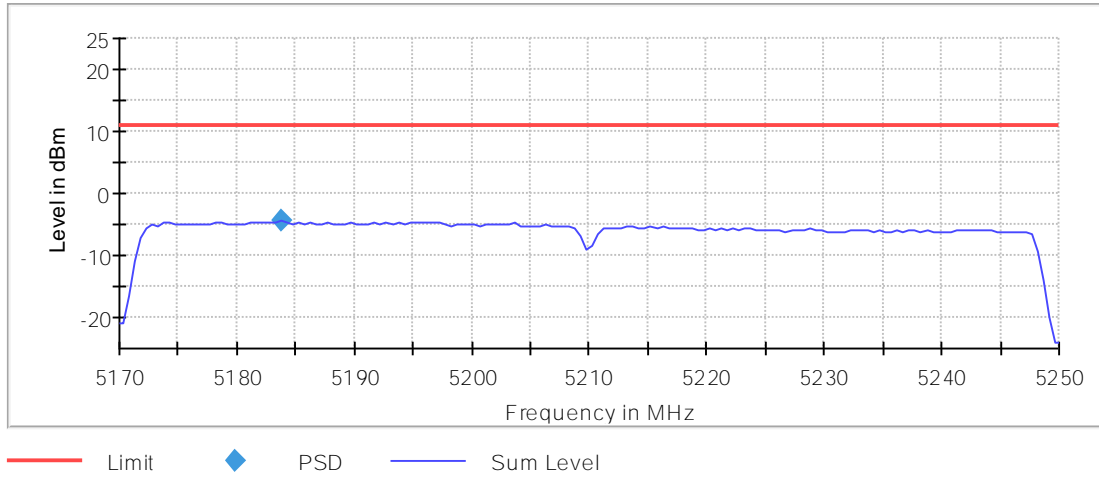
Pass

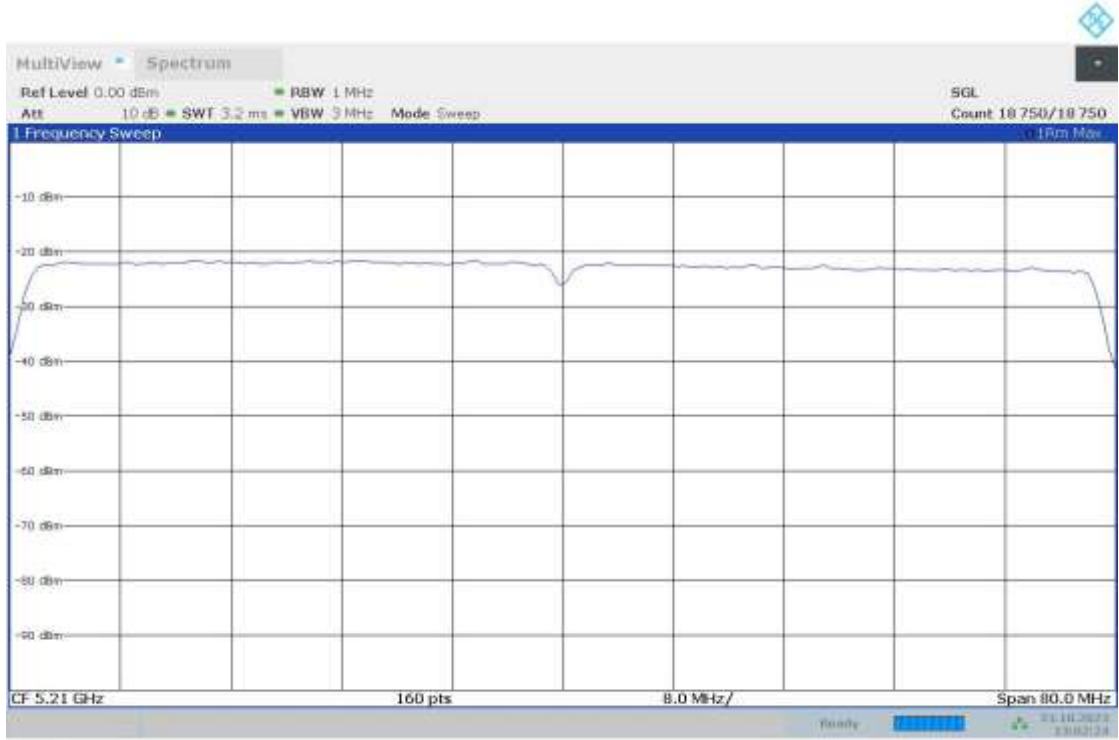
**Attachments**

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:**

Power Spectral Density (SA-3)





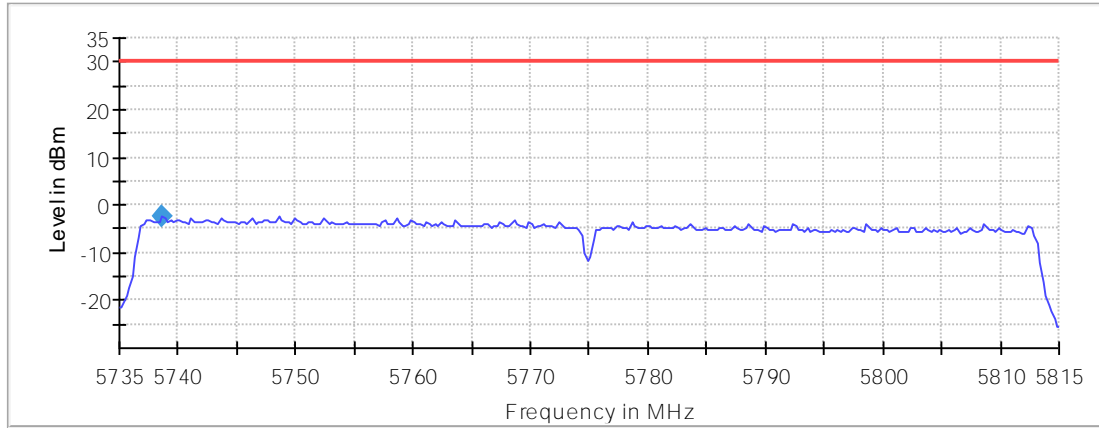
13:02:24 23.10.2023



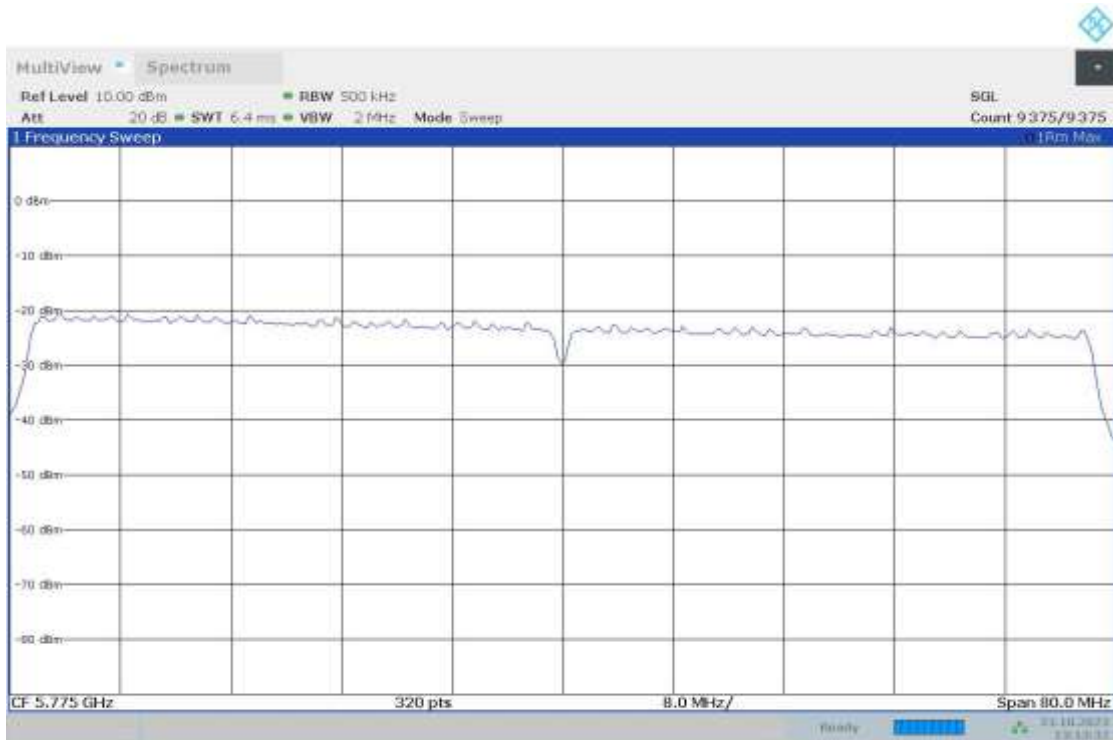
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5775.00000    Modulation = 802.11ac VHT80 SS1 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

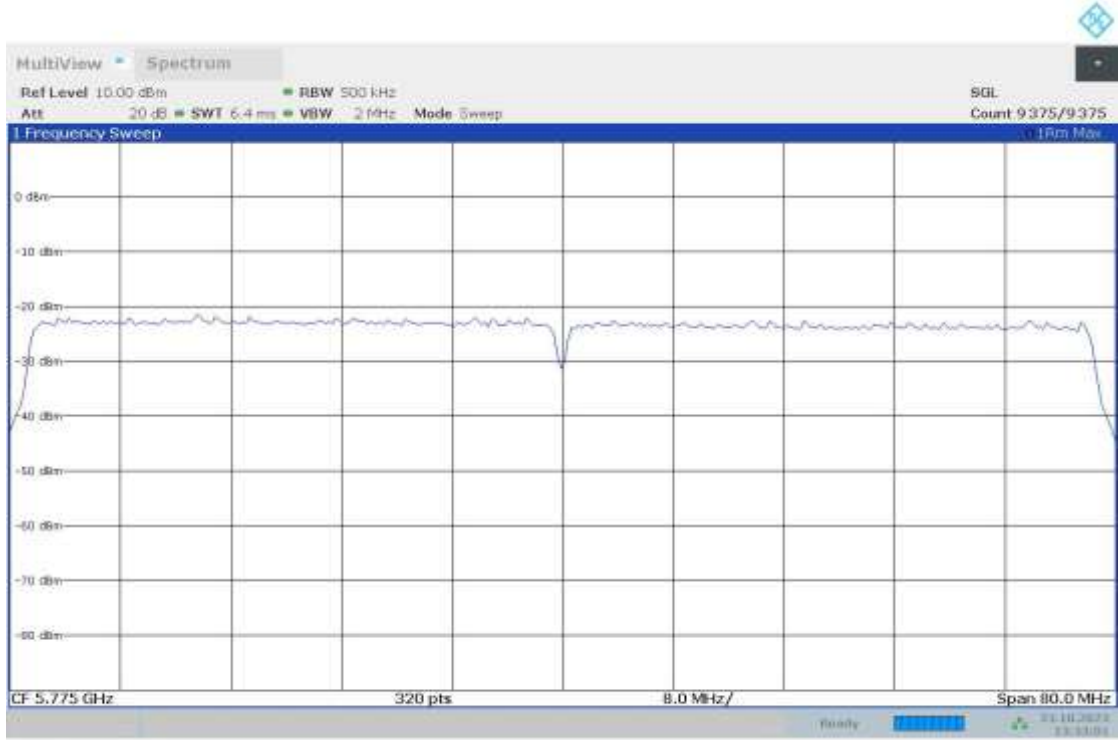
Images:

Power Spectral Density (SA-3)



— Limit    ◆ PSD    — Sum Level





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**

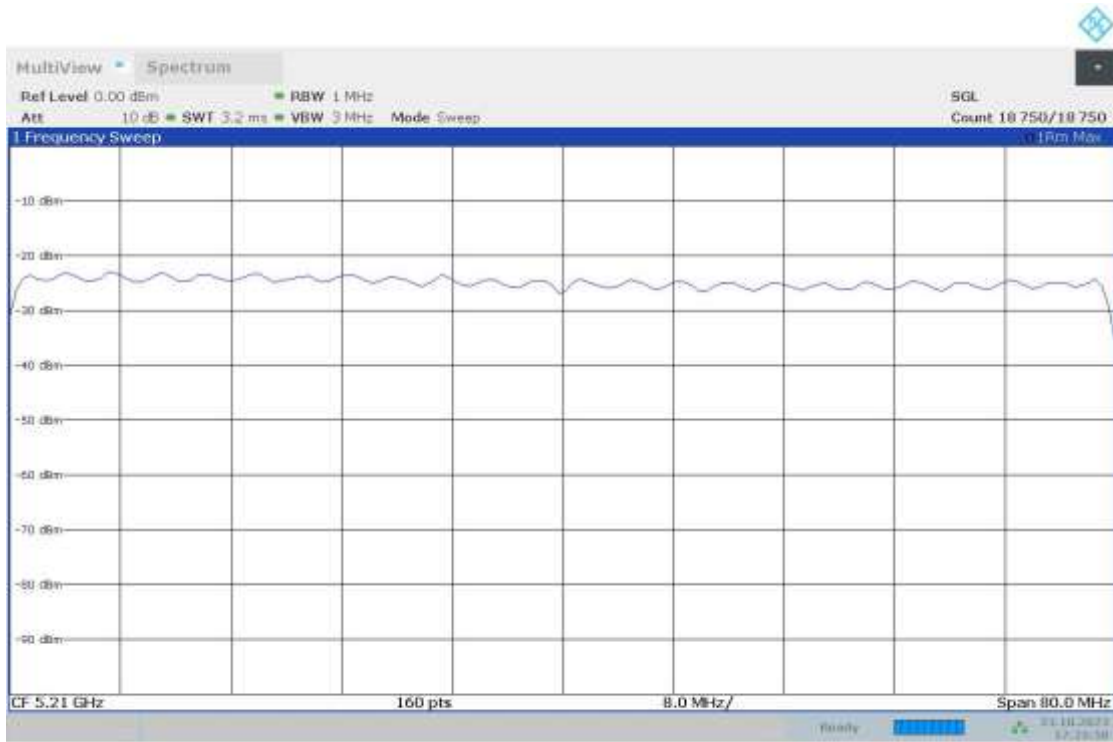
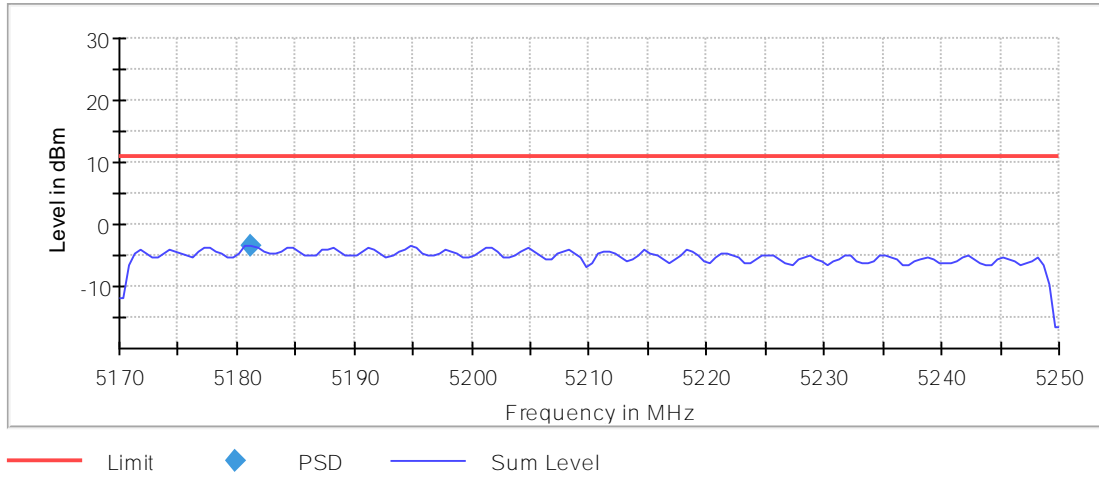
Pass

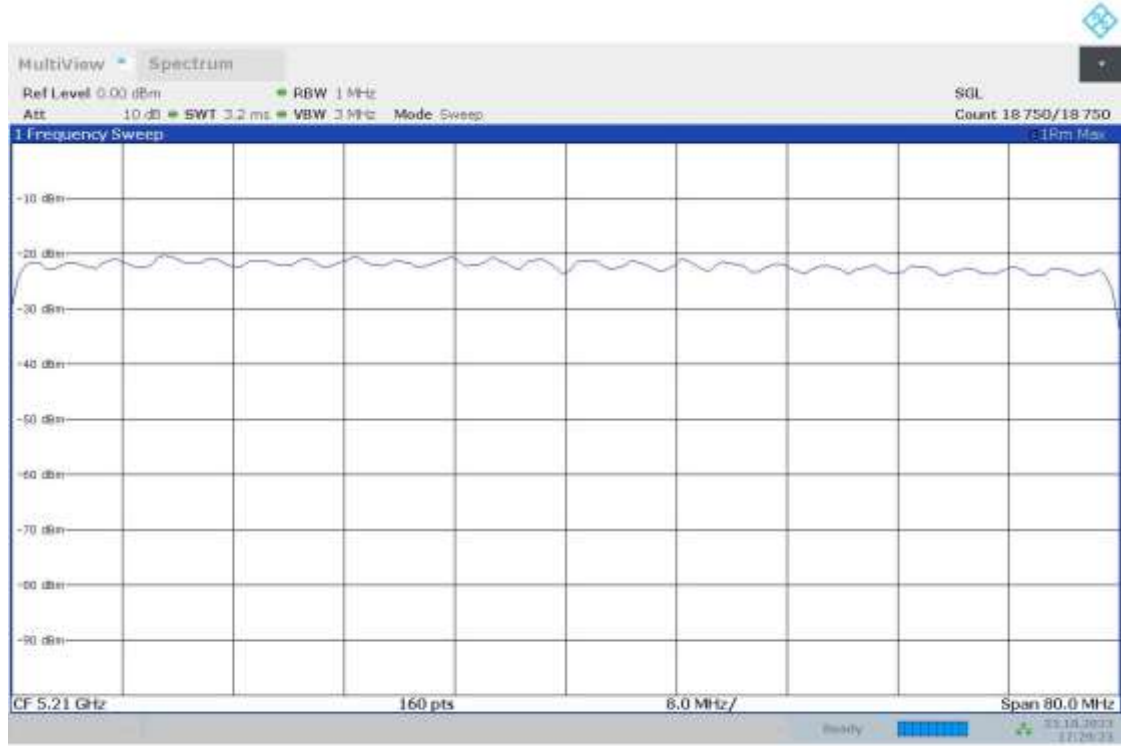
**Attachments**

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:**

Power Spectral Density (SA-3)

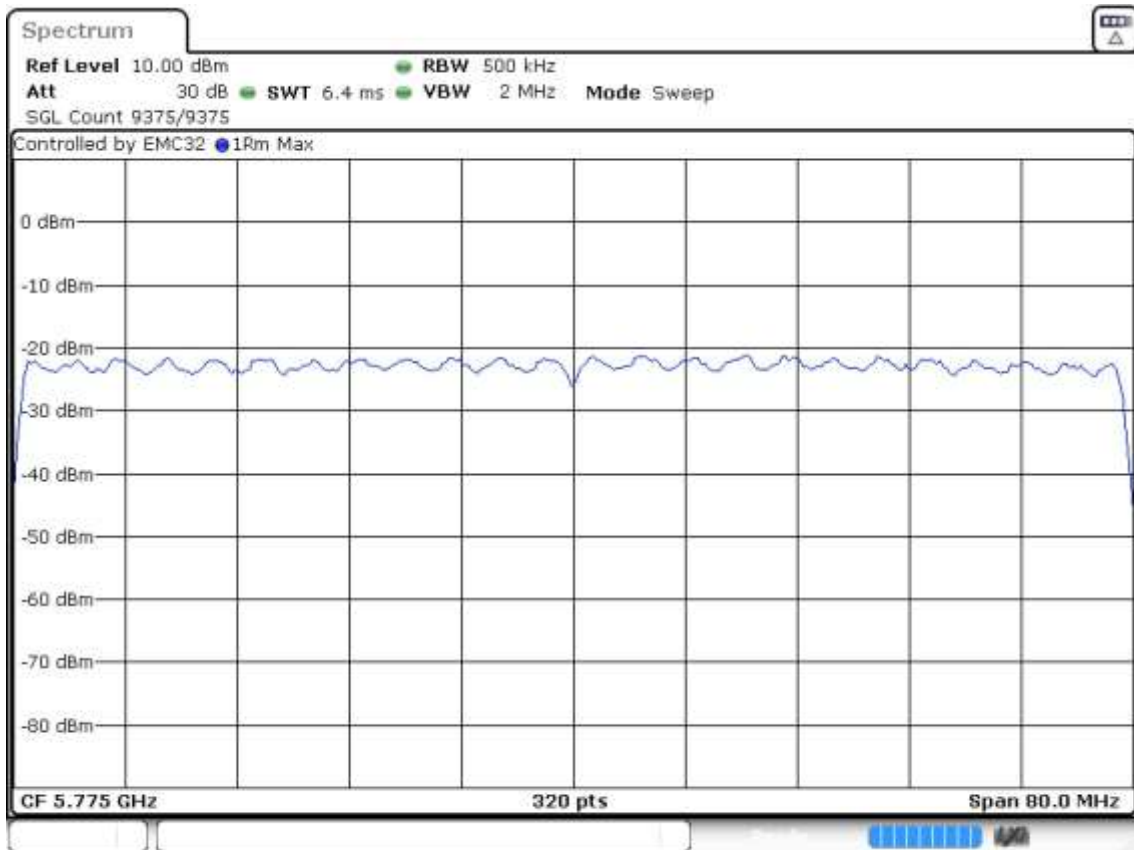
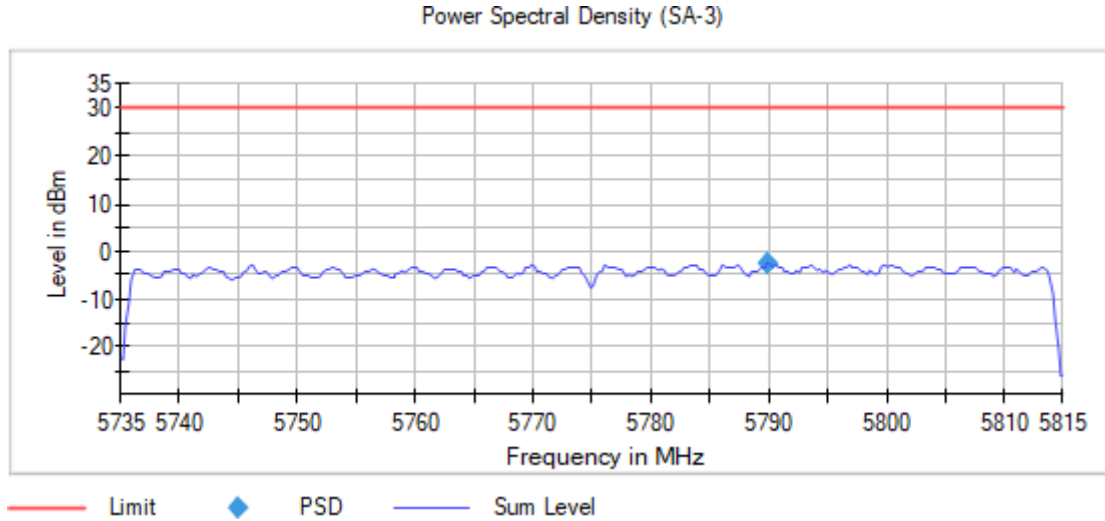




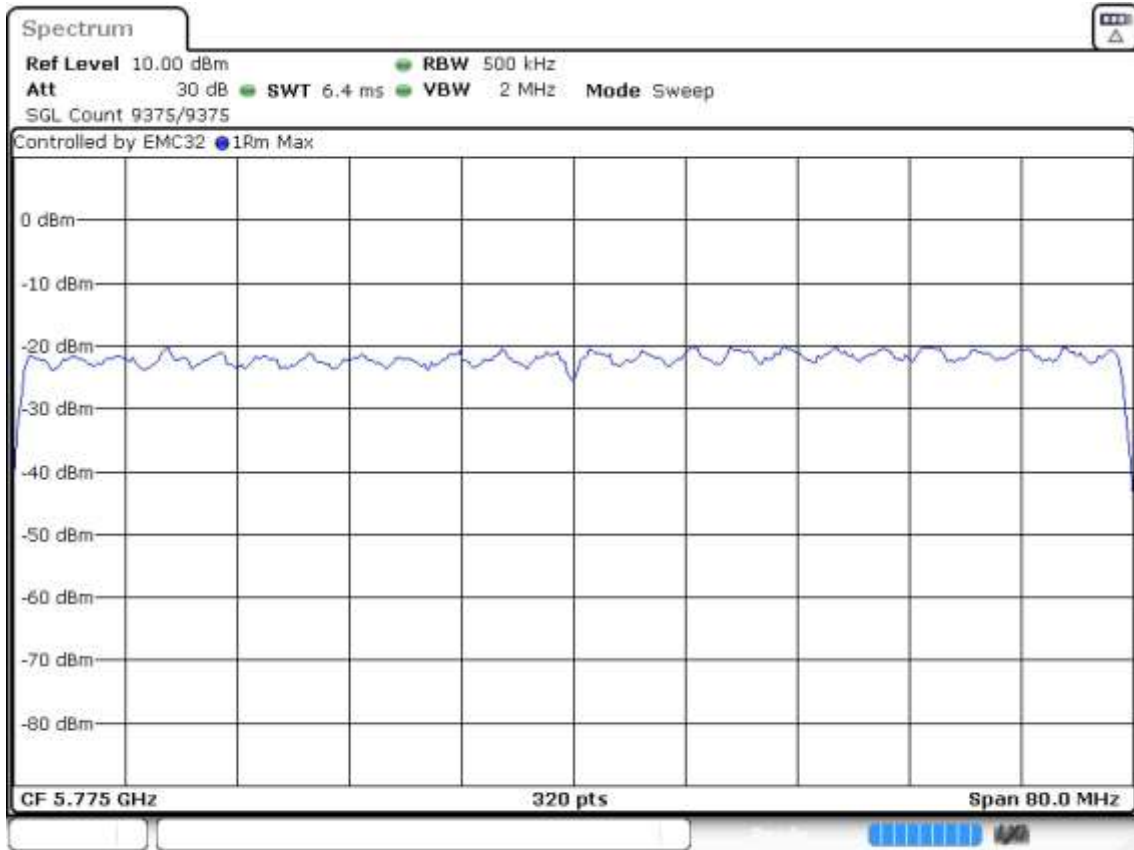
17:29:23 23.10.2023

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 14:00:10



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

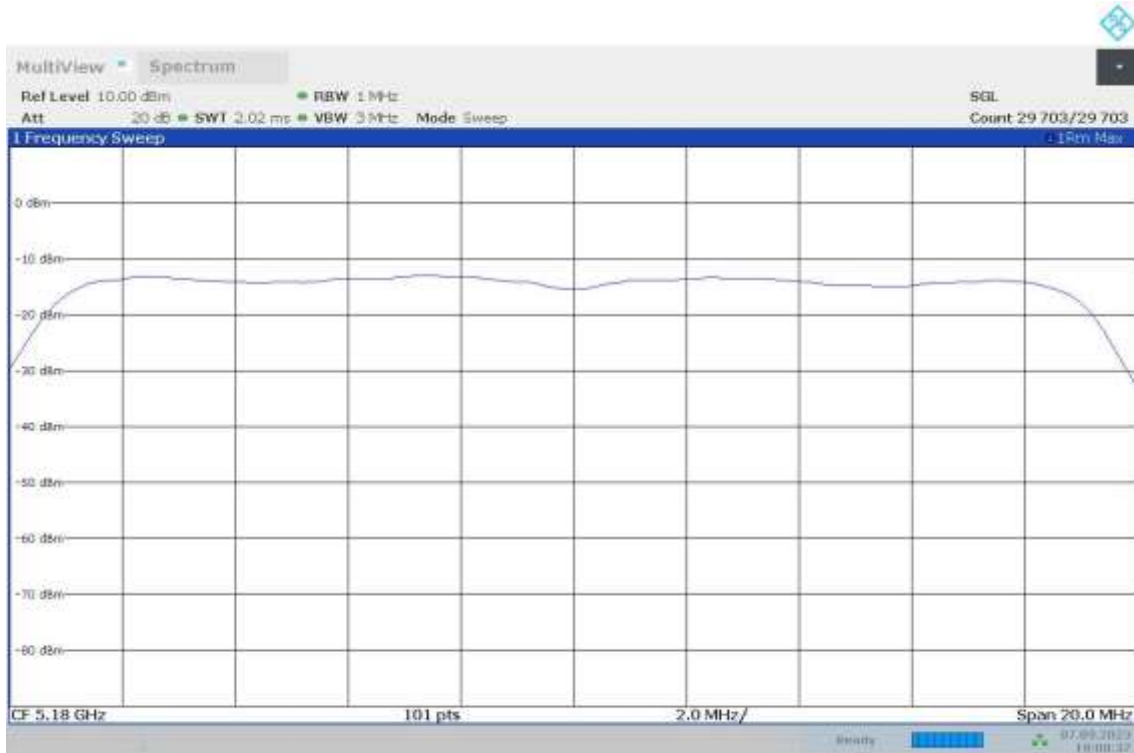
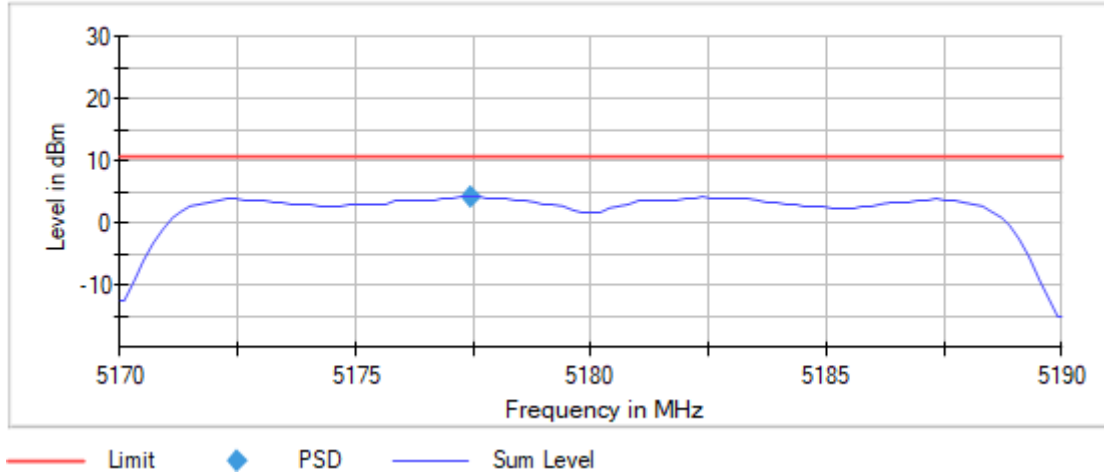


**Attachments**

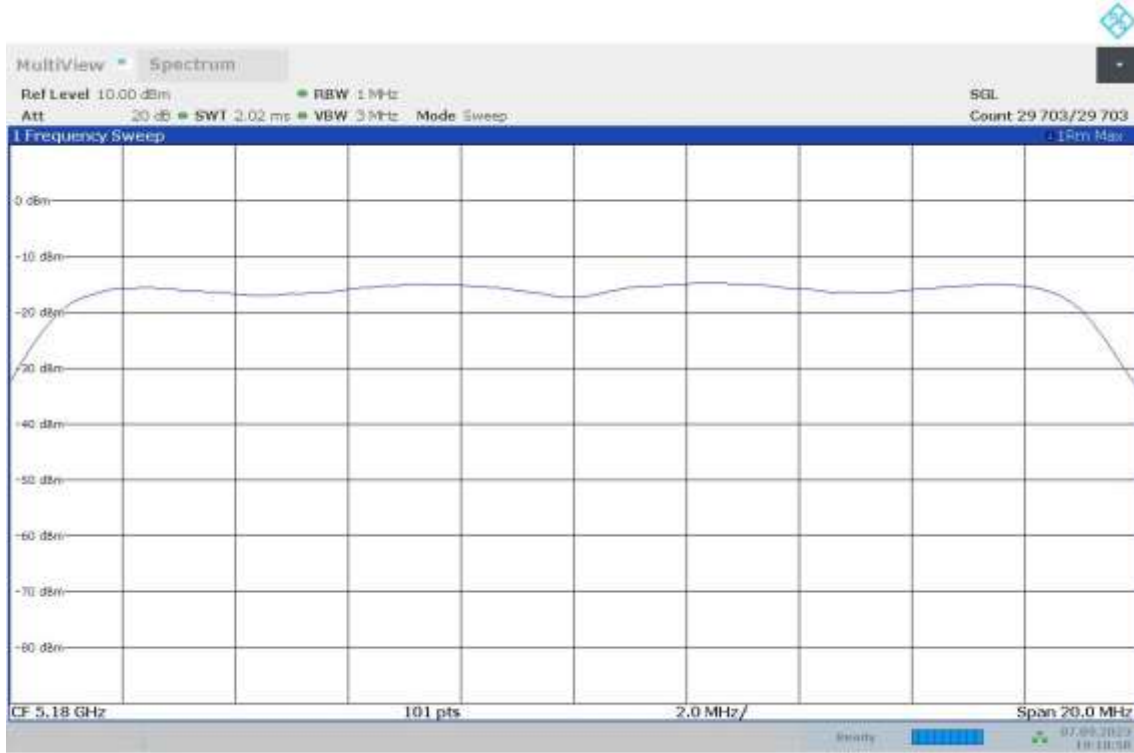
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5180.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**

Power Spectral Density (SA-3)



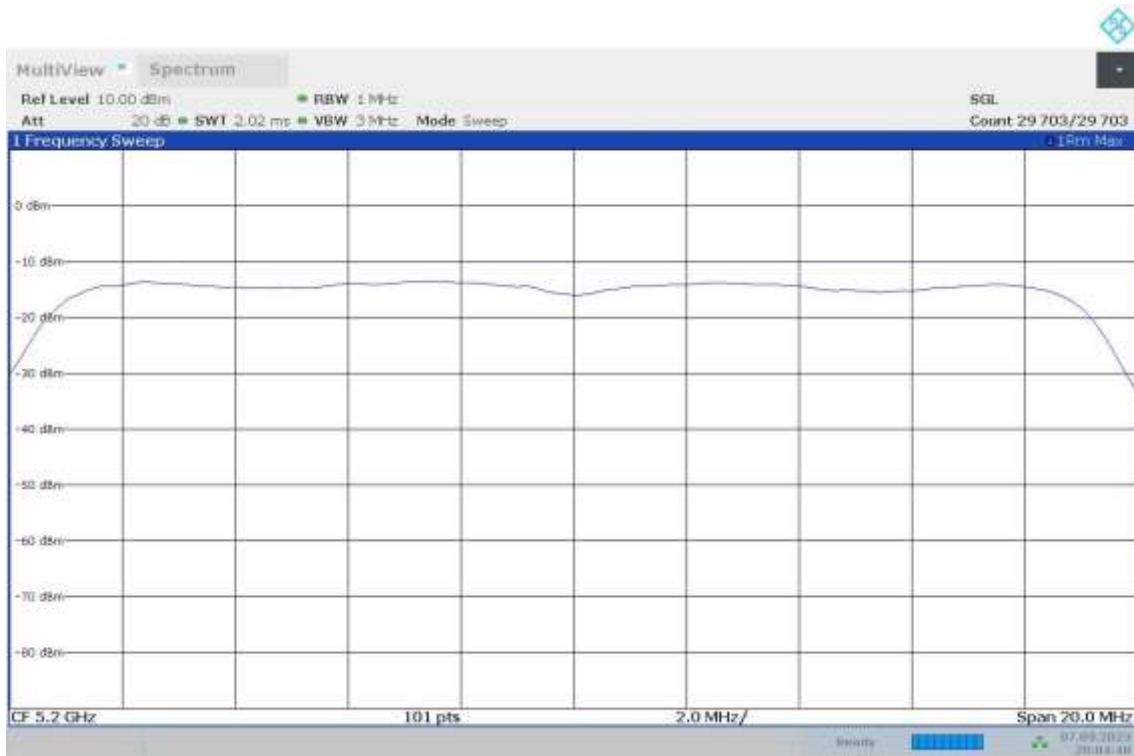
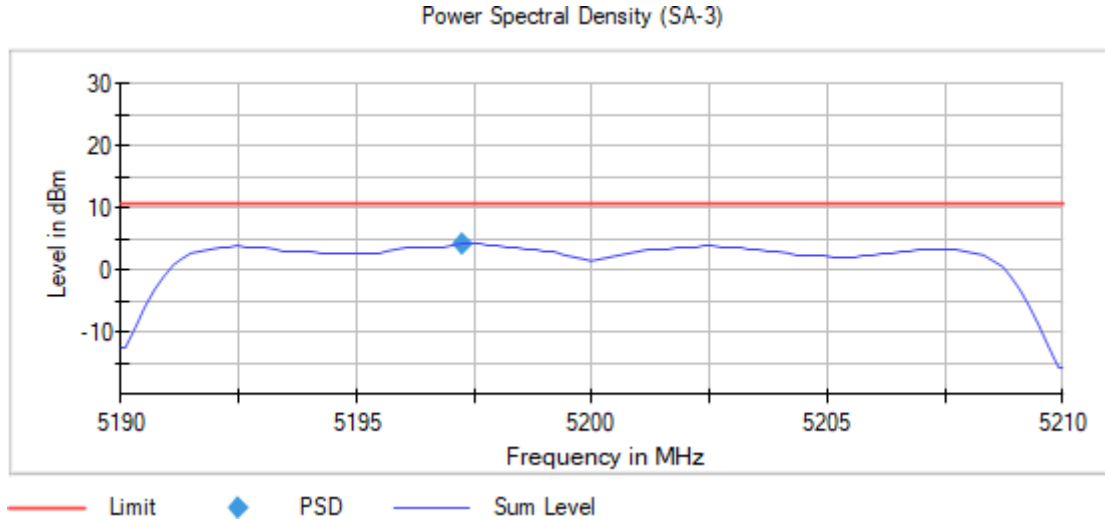
19:00:37 07.09.2023



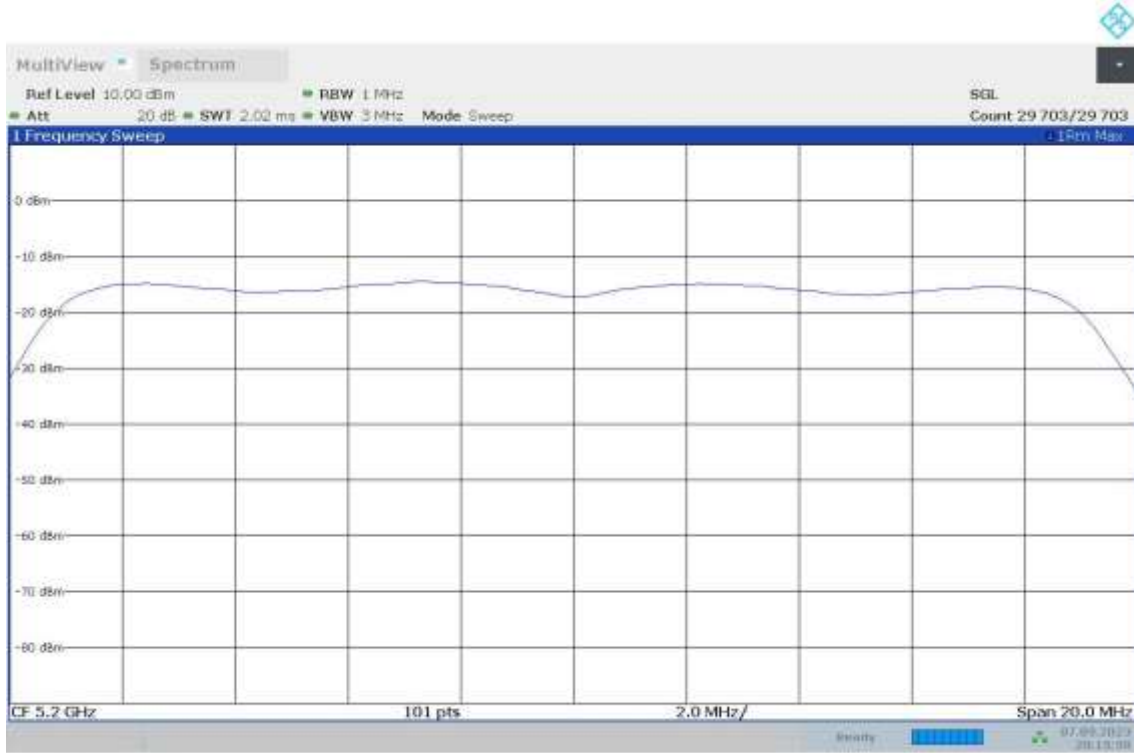
19:10:58 07.09.2023

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:



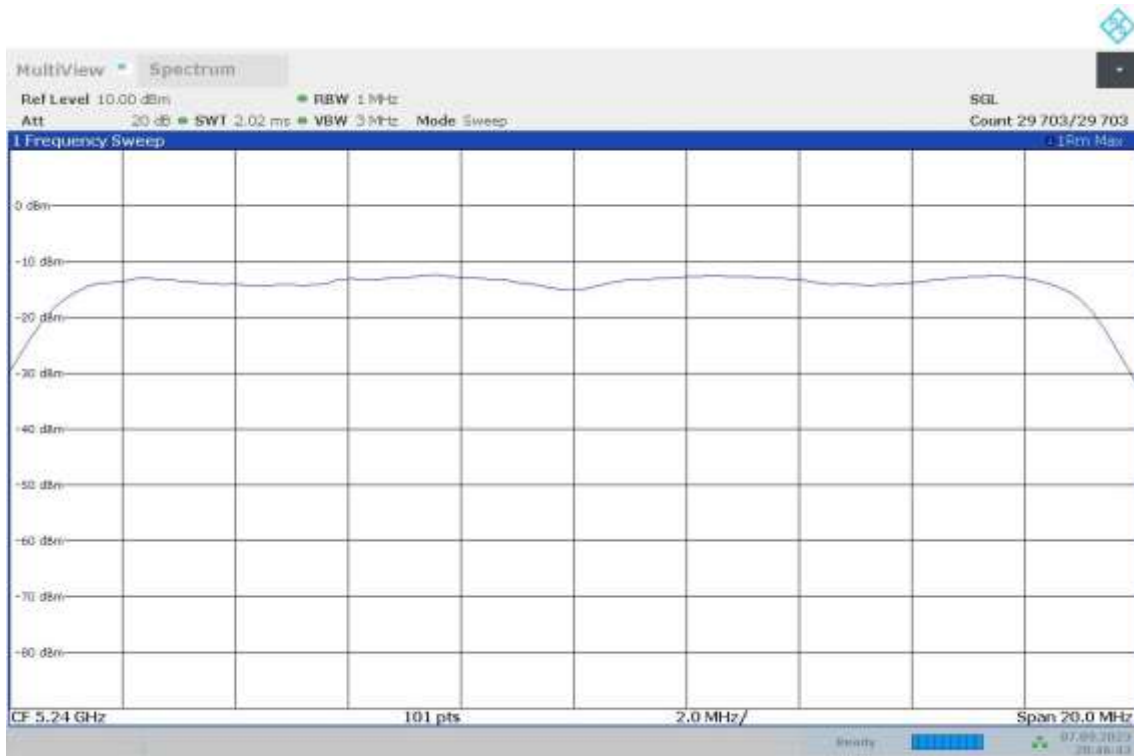
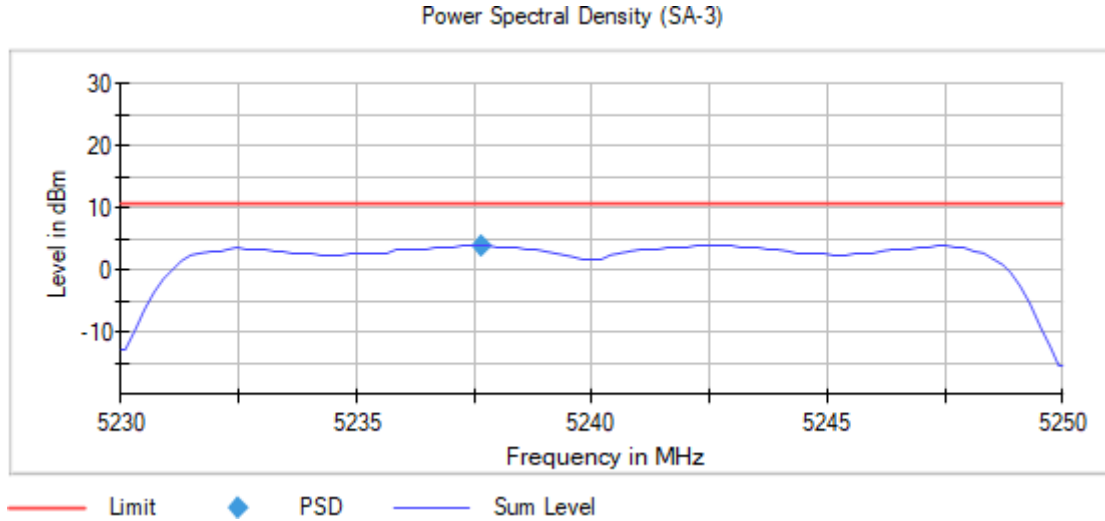
20:04:49 07.09.2023



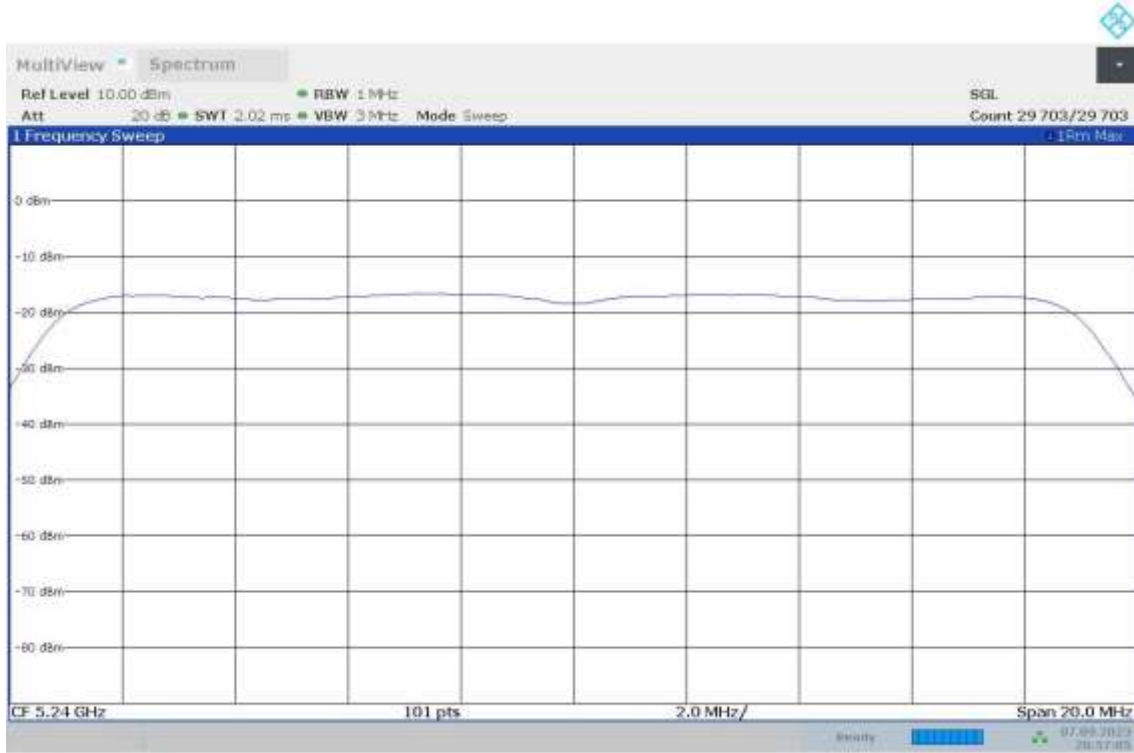
20:15:59 07.09.2023

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:



20:46:44 07.09.2023

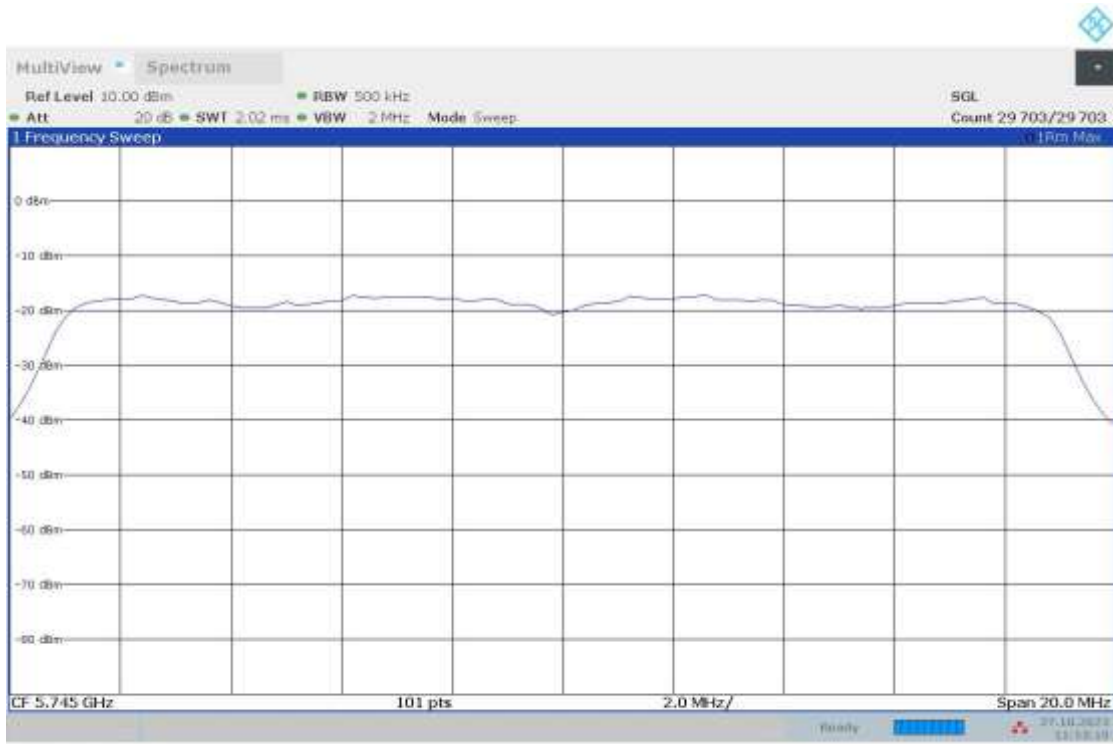
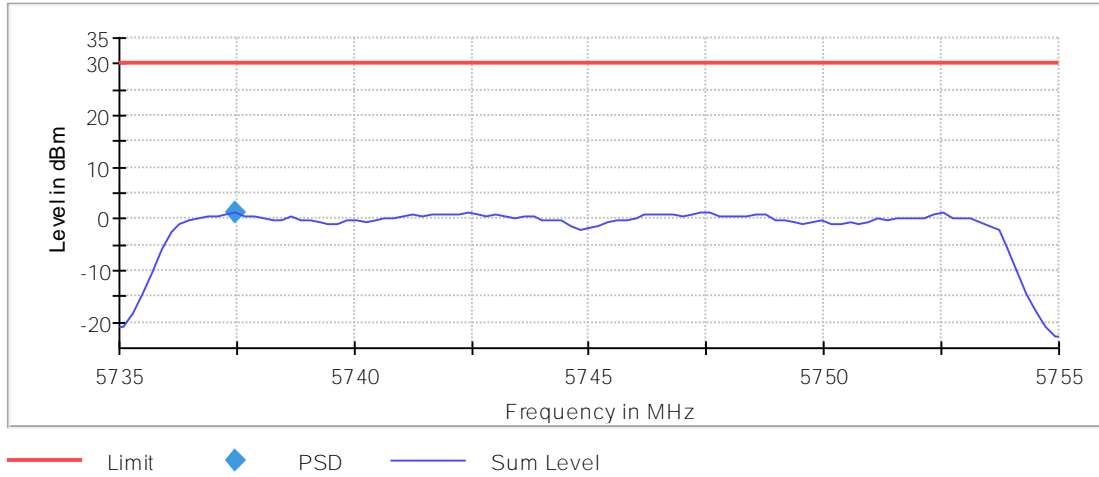


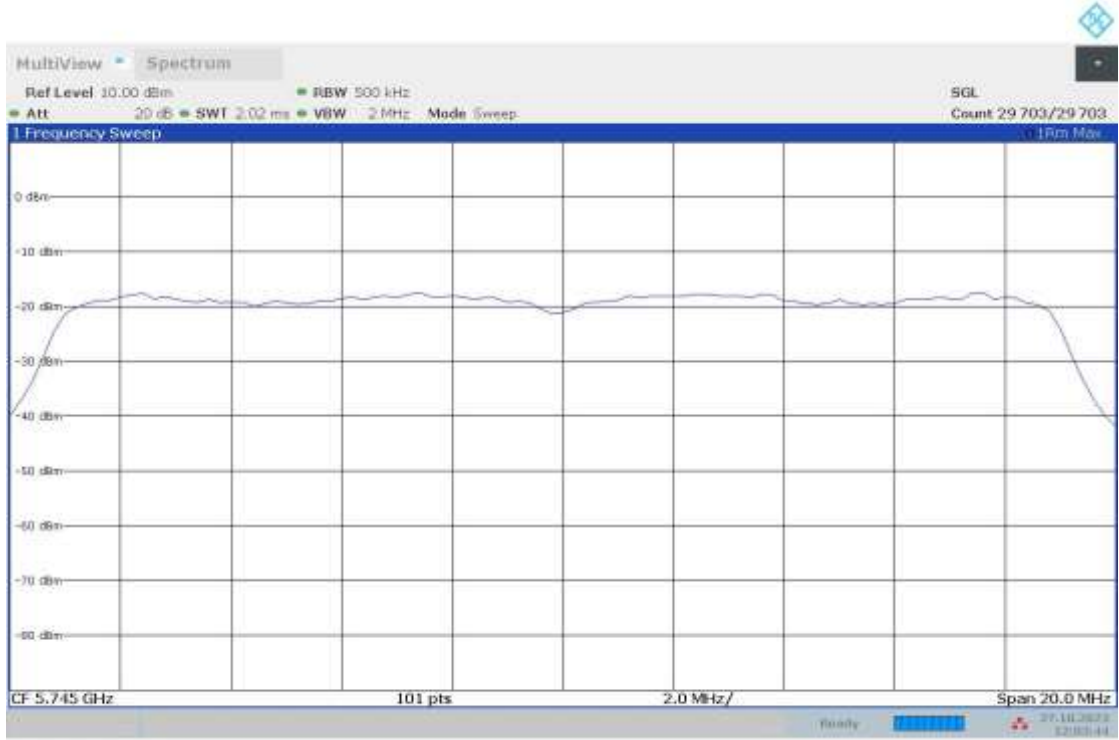
20:57:05 07.09.2023

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:

Power Spectral Density (SA-3)





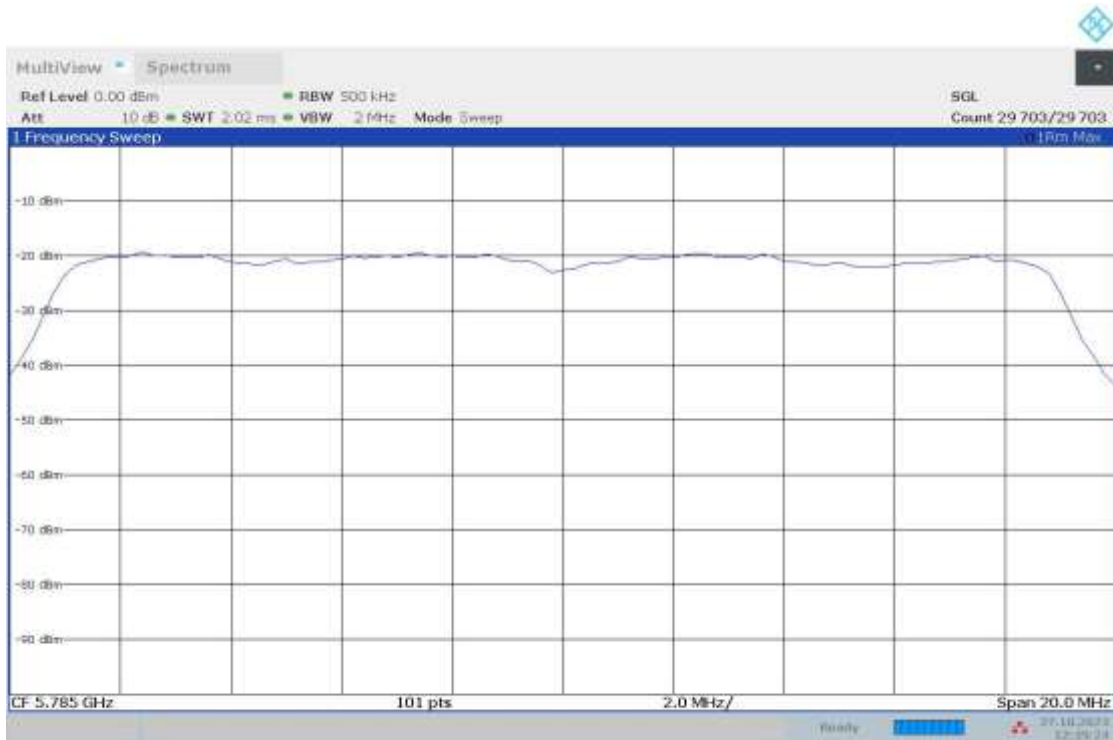
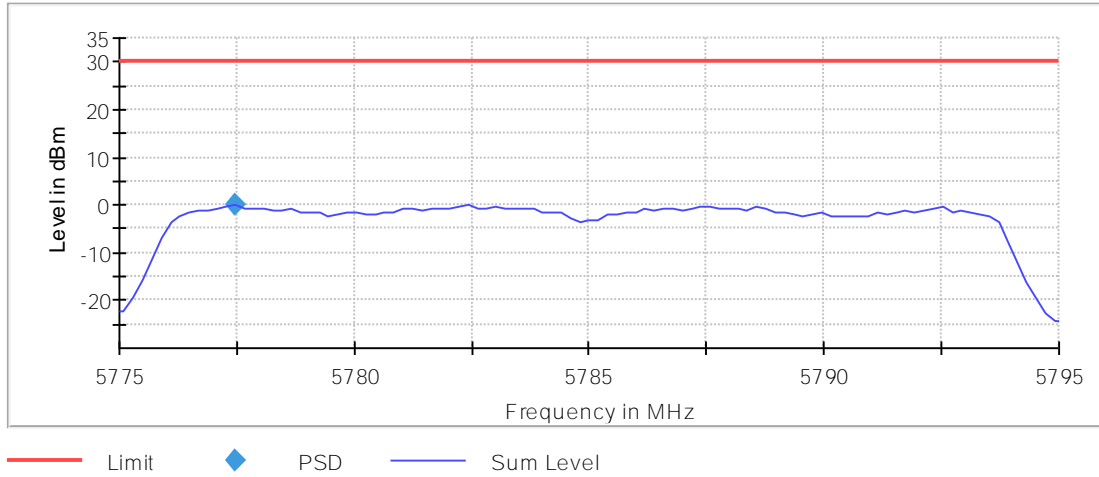
12:03:44 27.10.2023

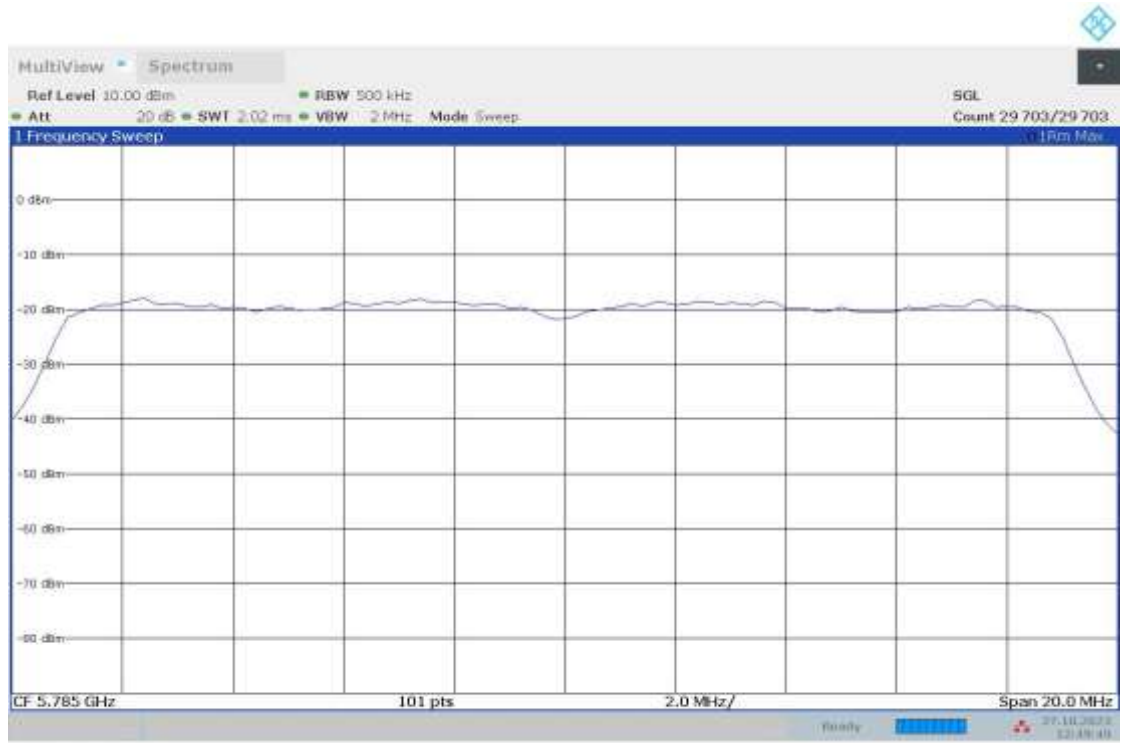


Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5785.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

Images:

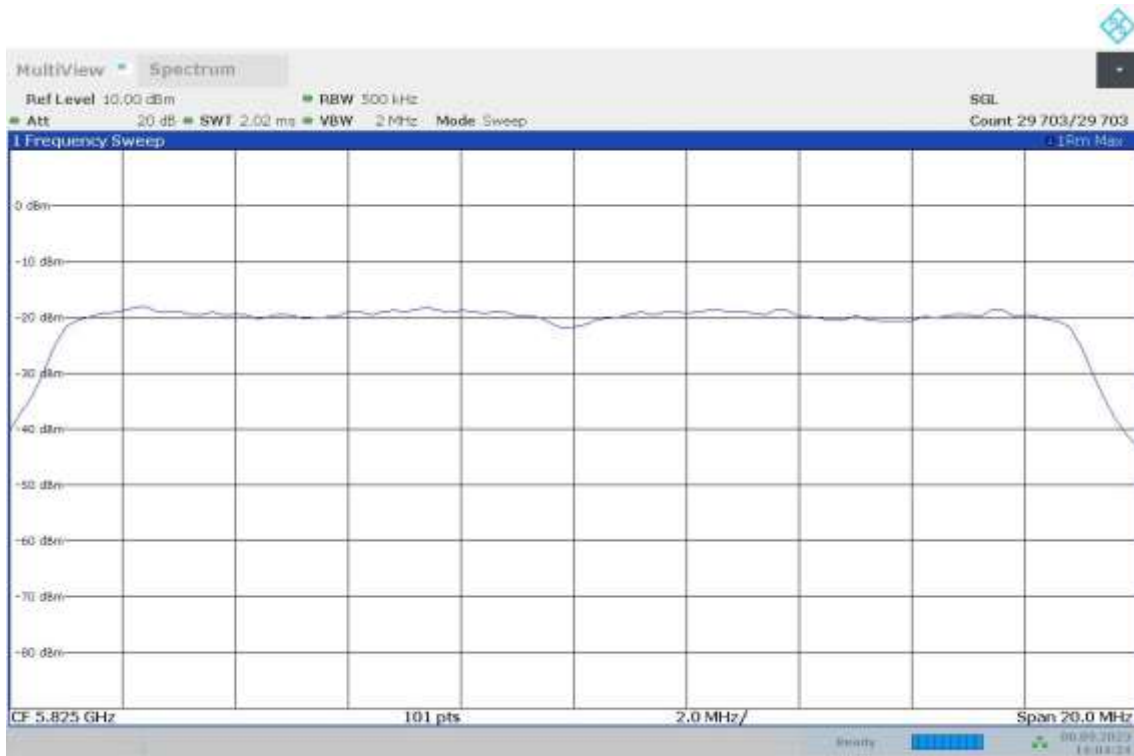
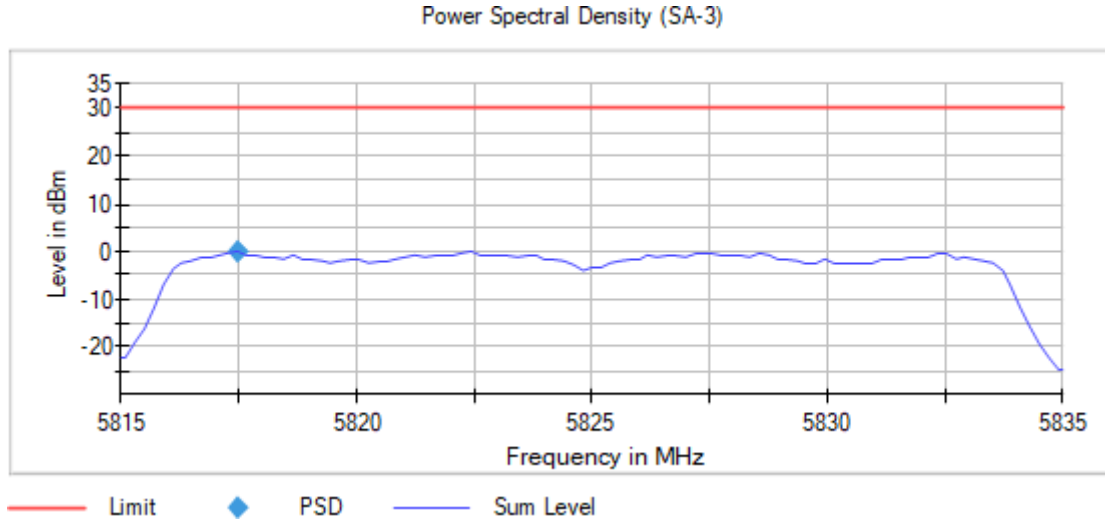
Power Spectral Density (SA-3)

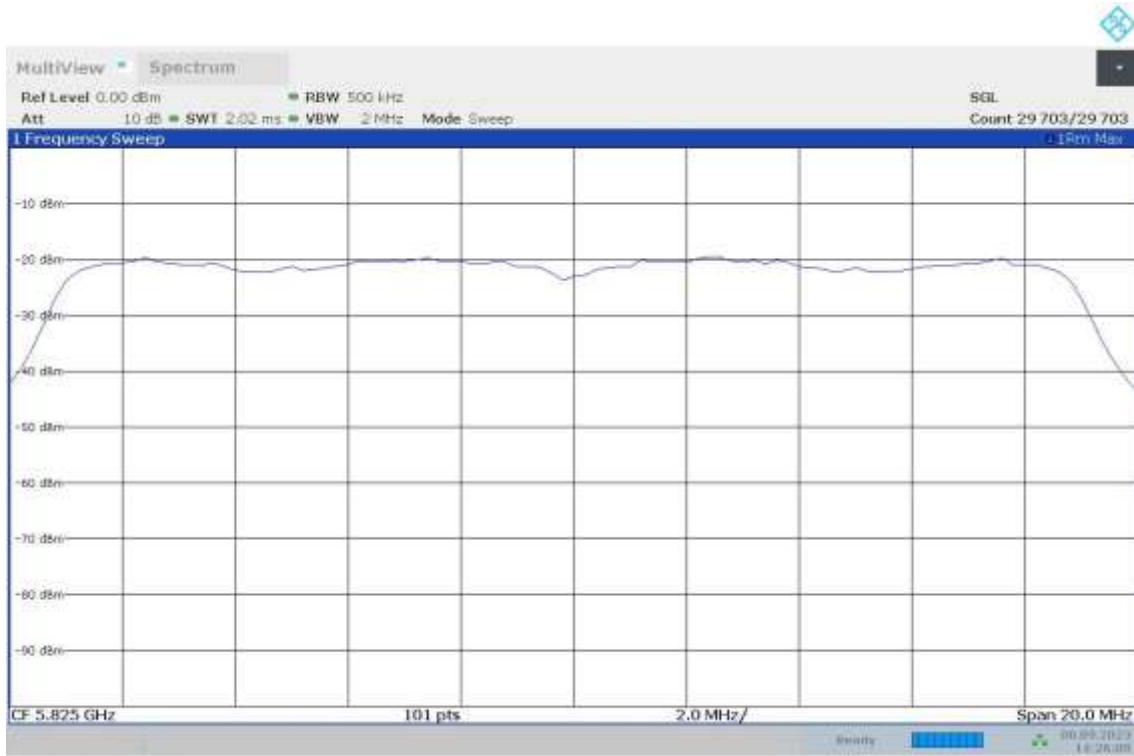




Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5825.00000    Modulation = 802.11n HT20 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

Images:





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**

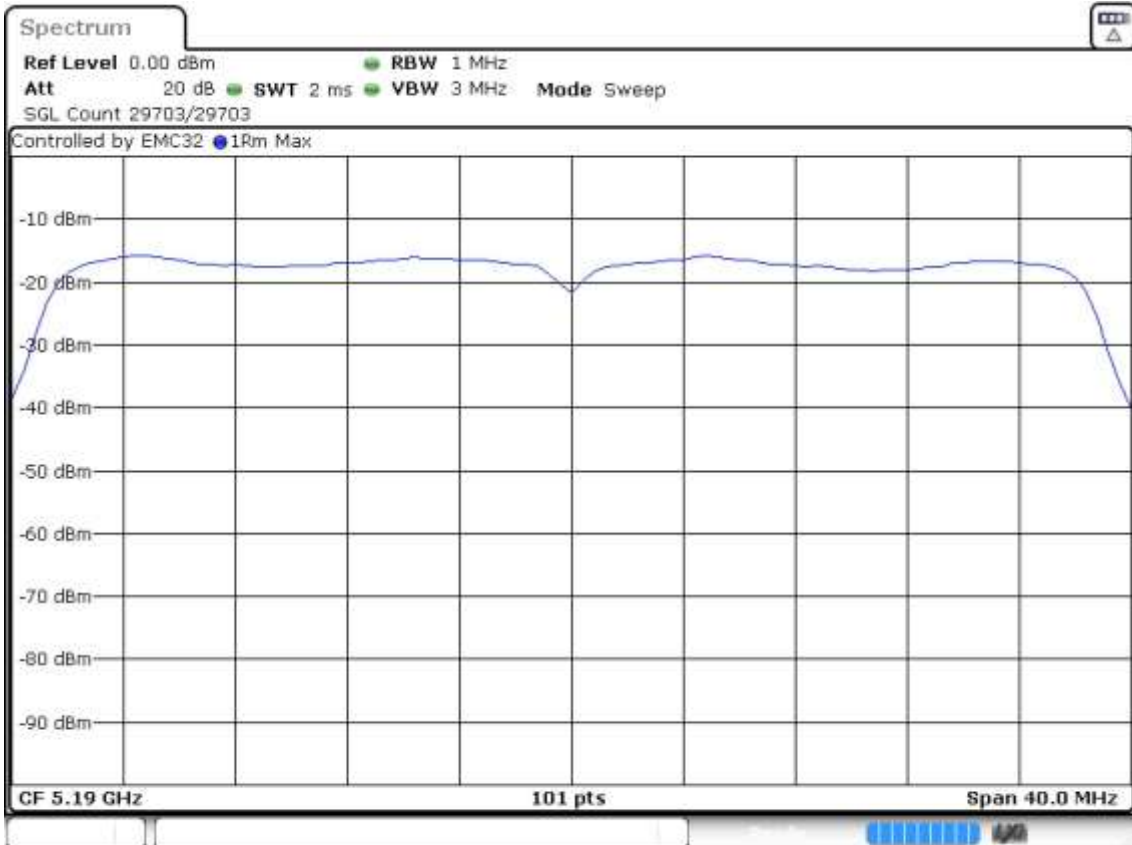
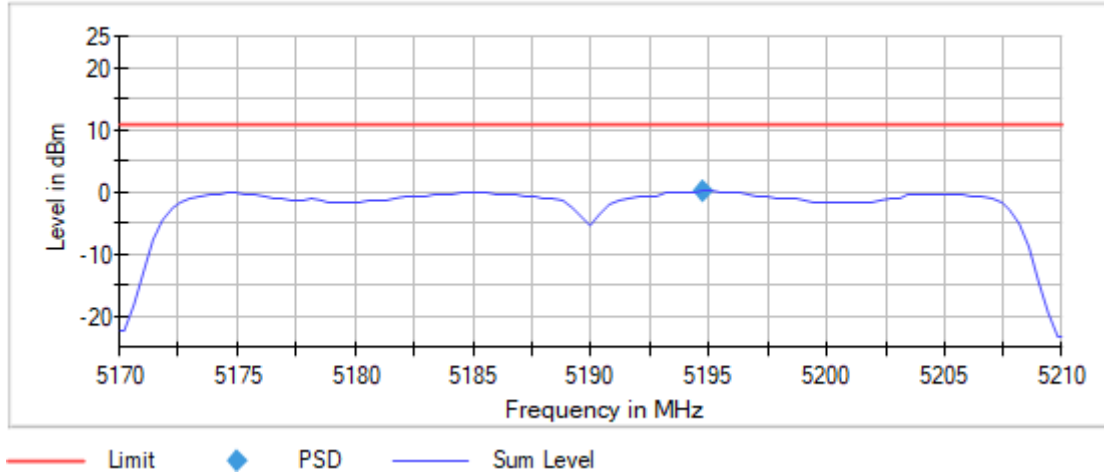
Pass

**Attachments**

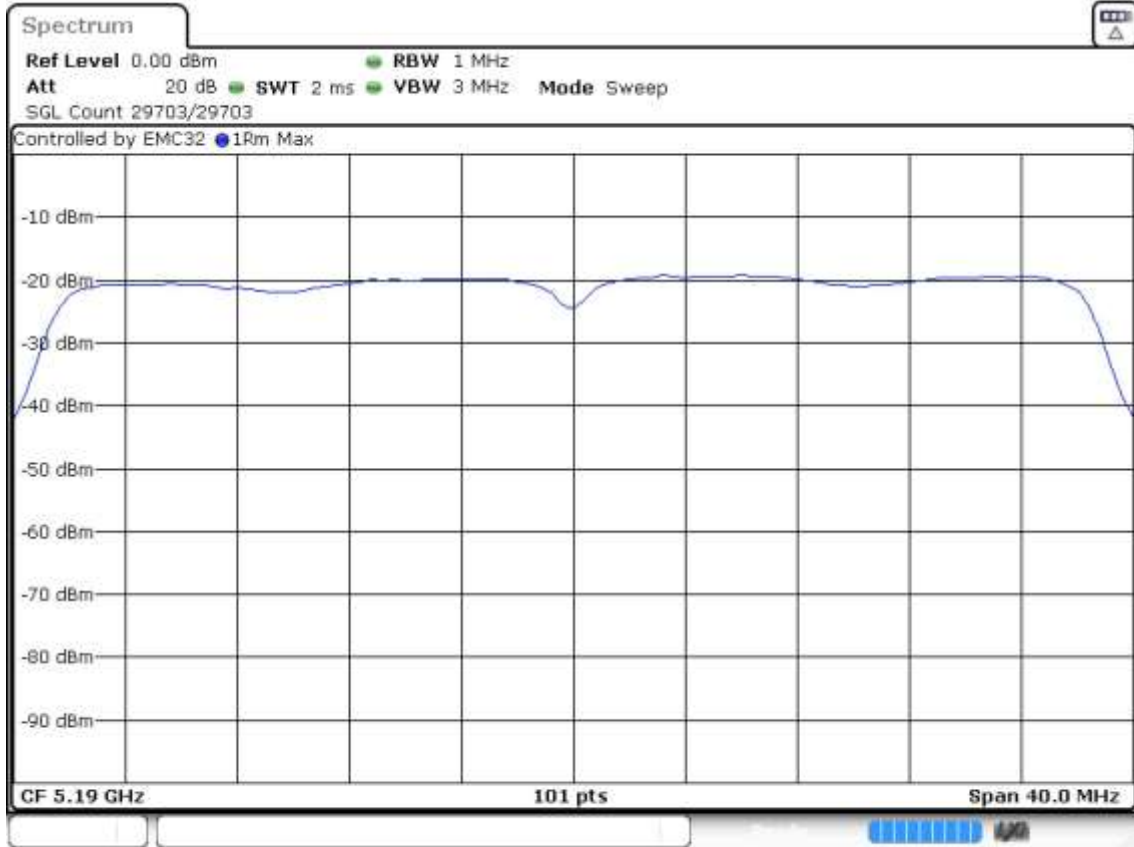
Operation Band MHz = [5150, 5850]    Active Port = 1+2  
Frequency MHz = 5190.00000    Modulation = 802.11n HT40 (OFDM MCS0)  
TPC = No    MIMO Mode = MIMO CCD Mode 2x2

**Images:**

Power Spectral Density (SA-3)



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

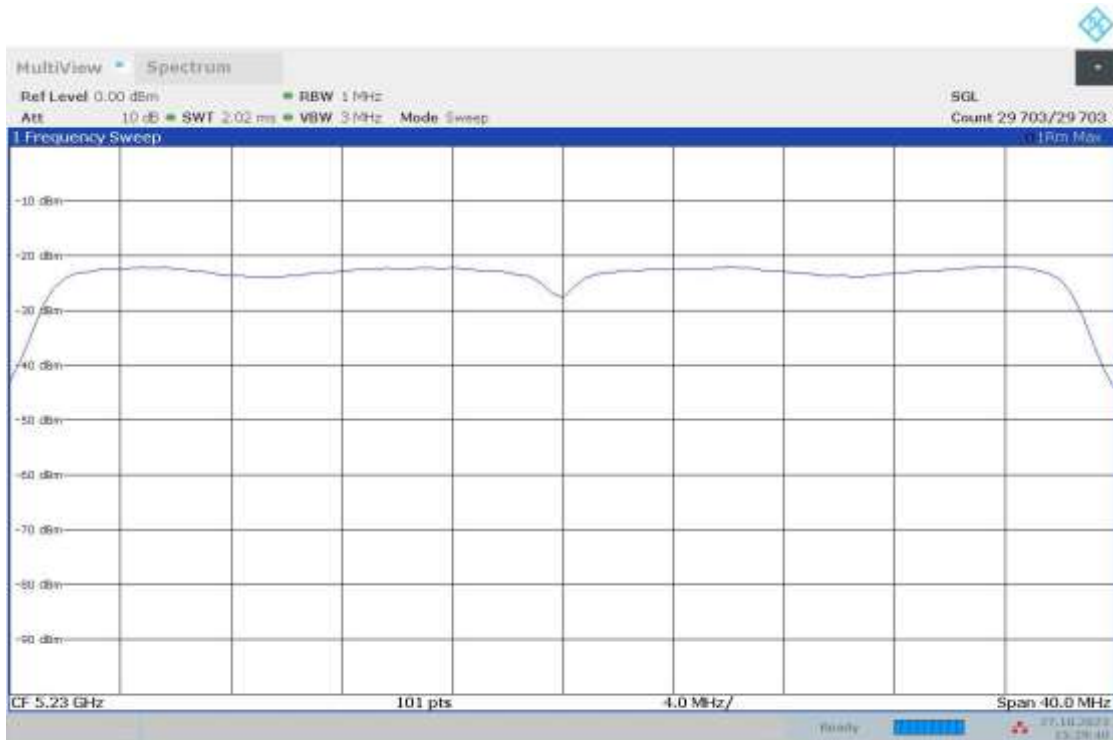
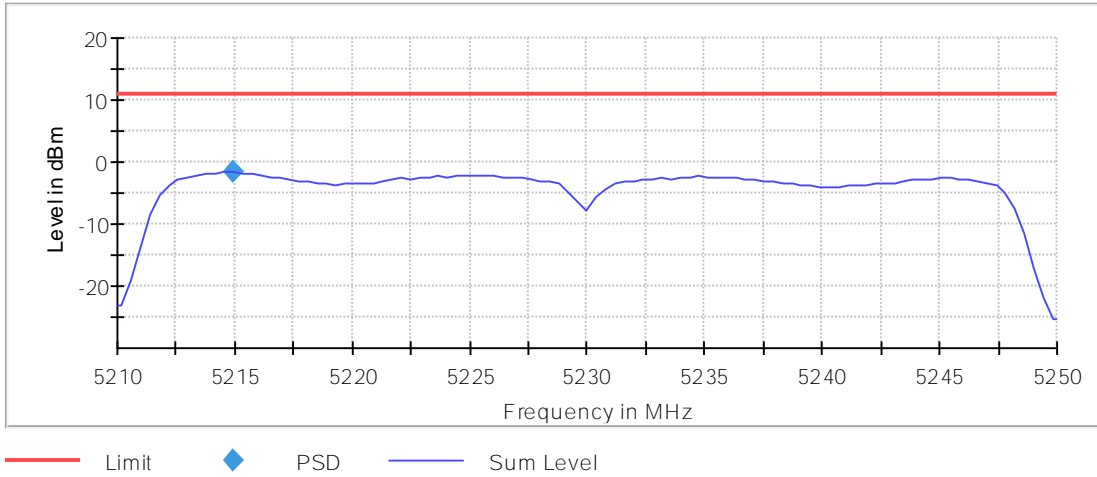


Date: 8.SEP.2023 19:40:27

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:**

Power Spectral Density (SA-3)



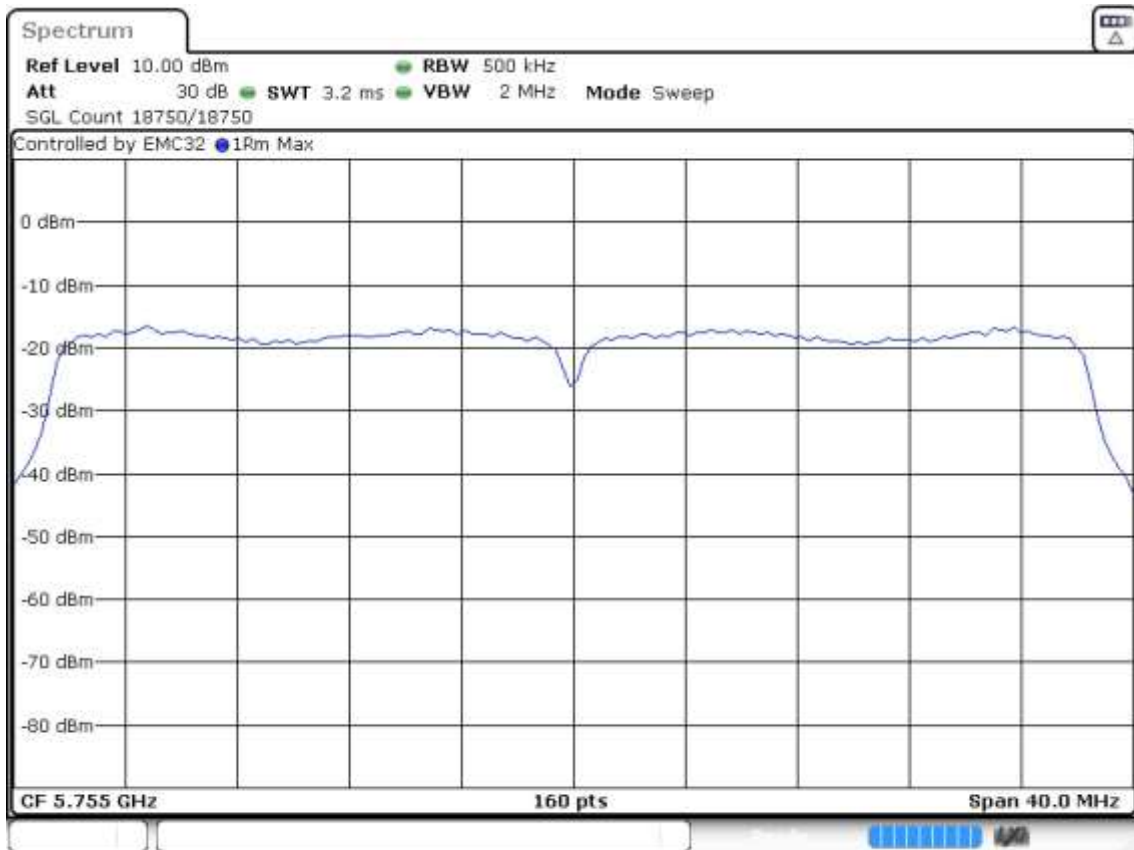
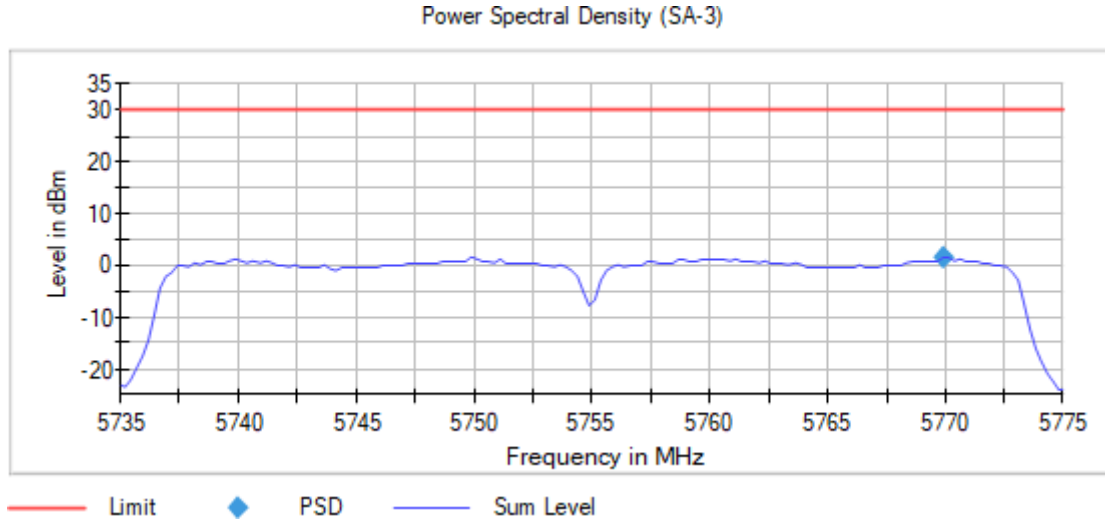




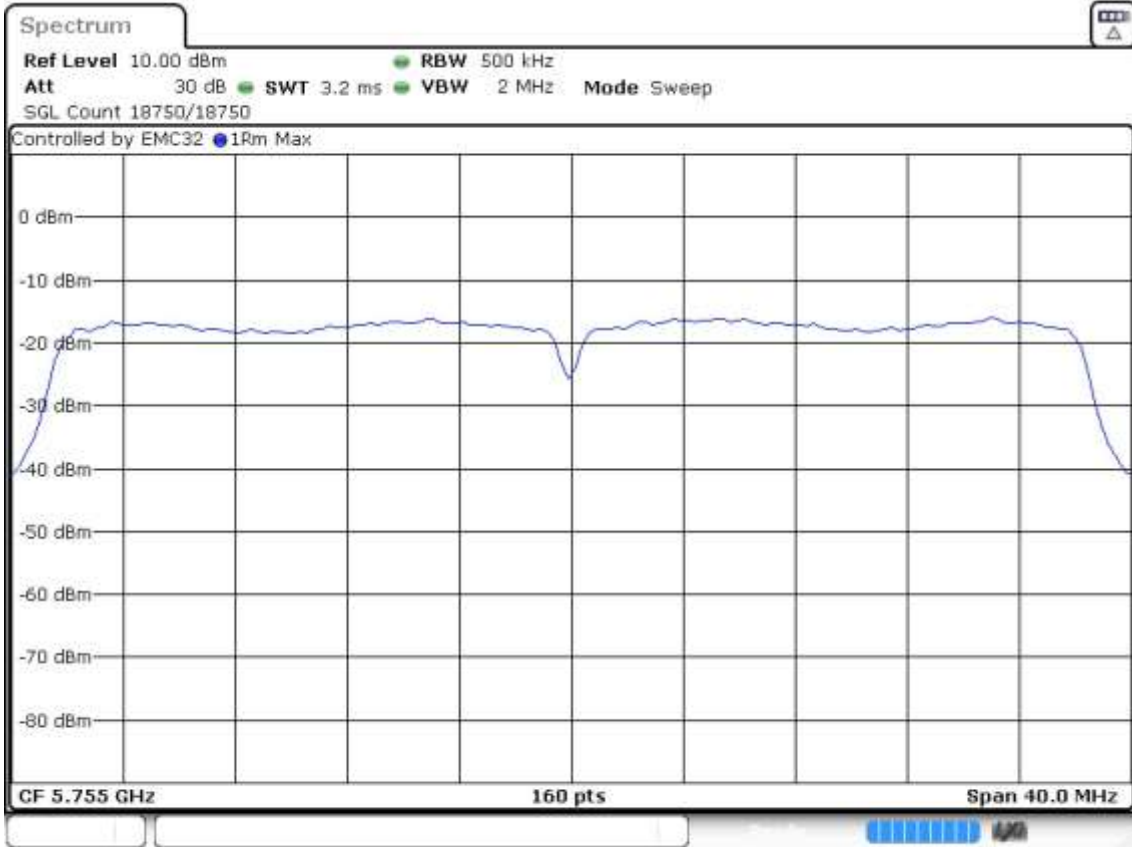
15:33:54 27.10.2023

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:



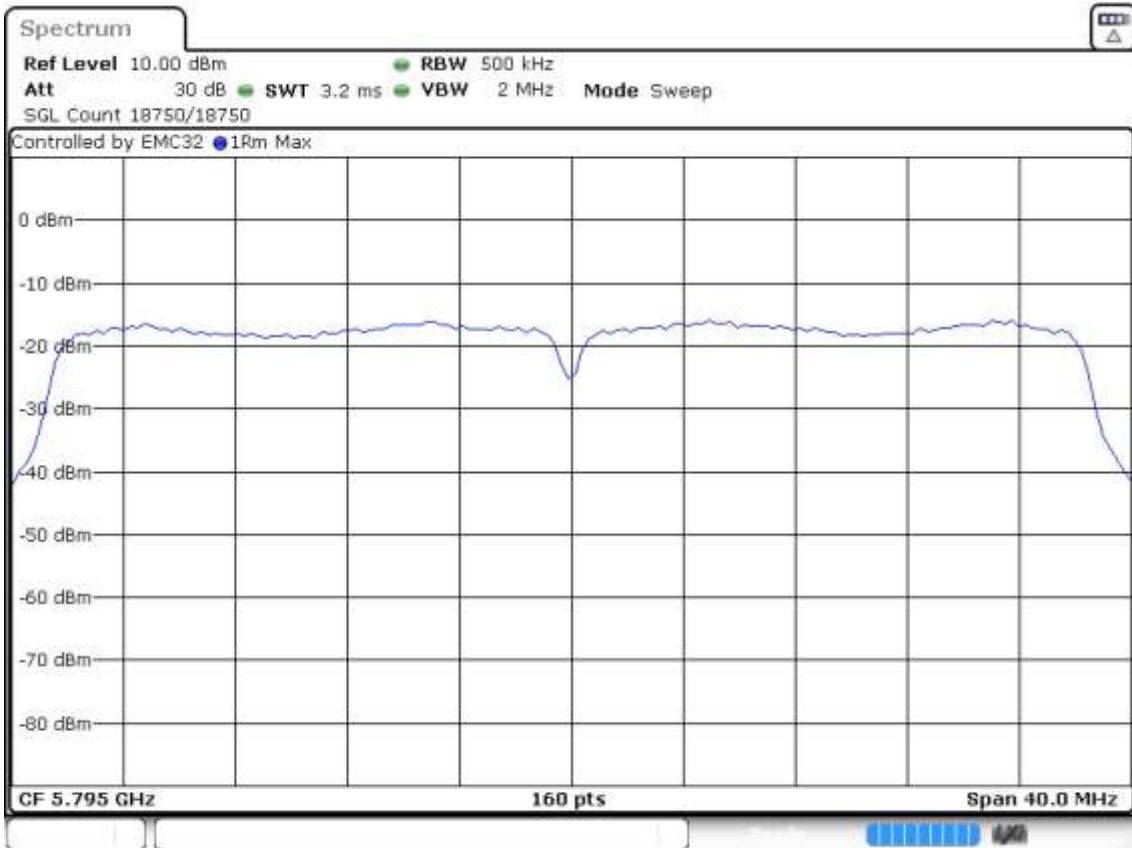
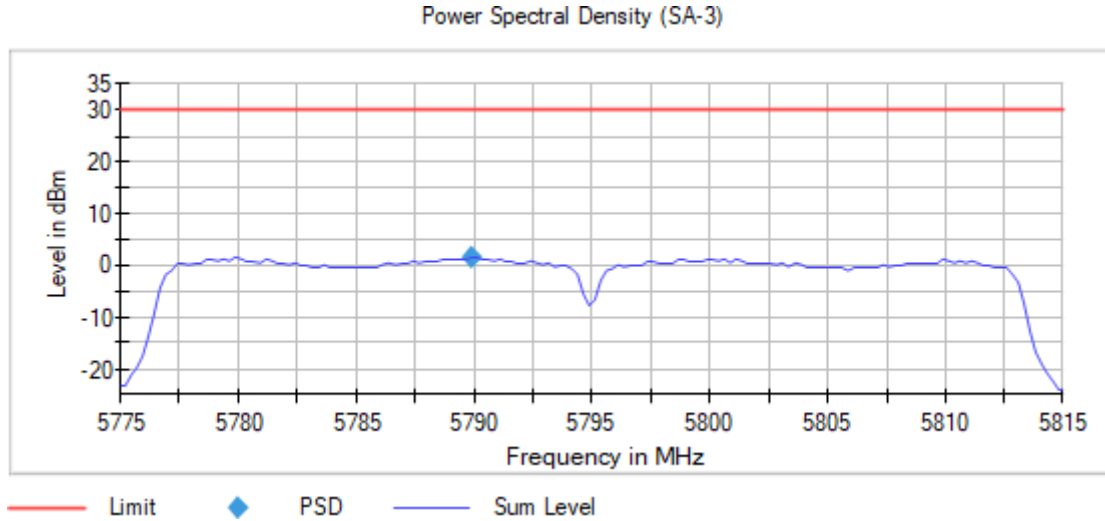
Date: 8.SEP.2023 20:34:45



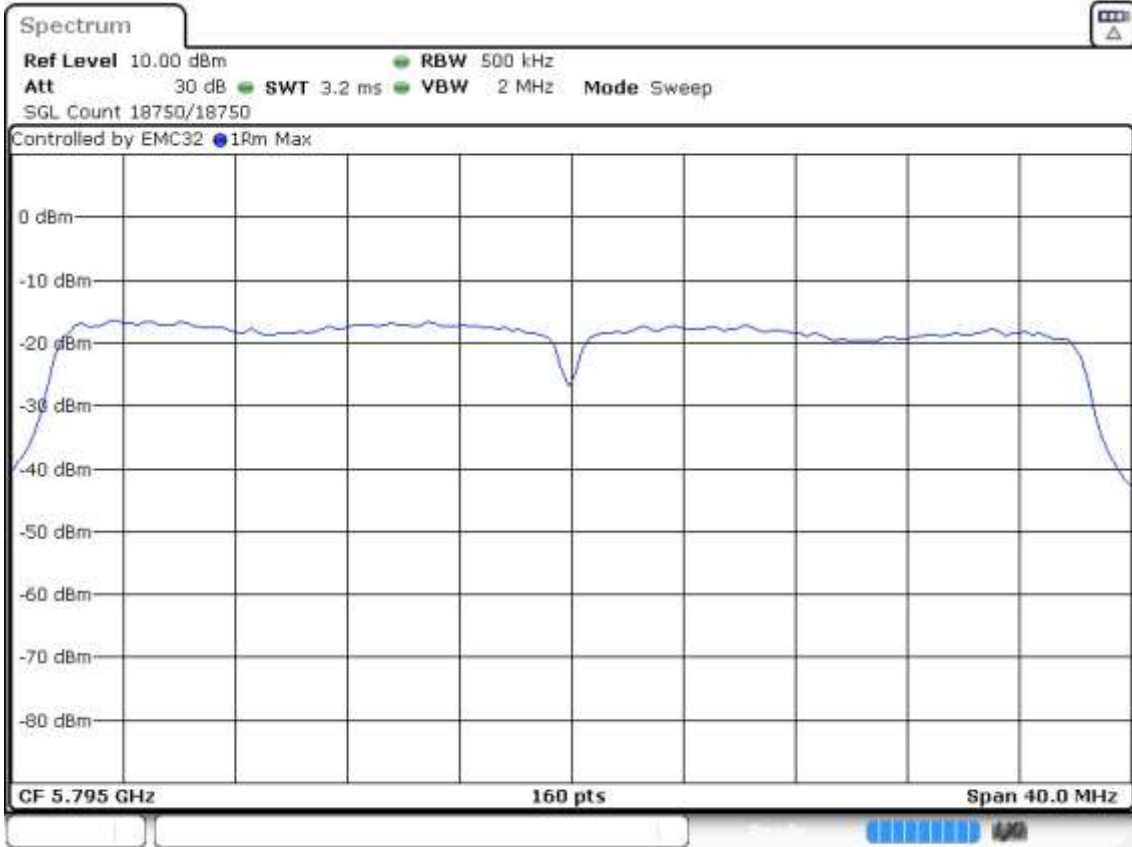
Date: 8.SEP.2023 20:37:22

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:



Date: 8.SEP.2023 20:53:12



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**

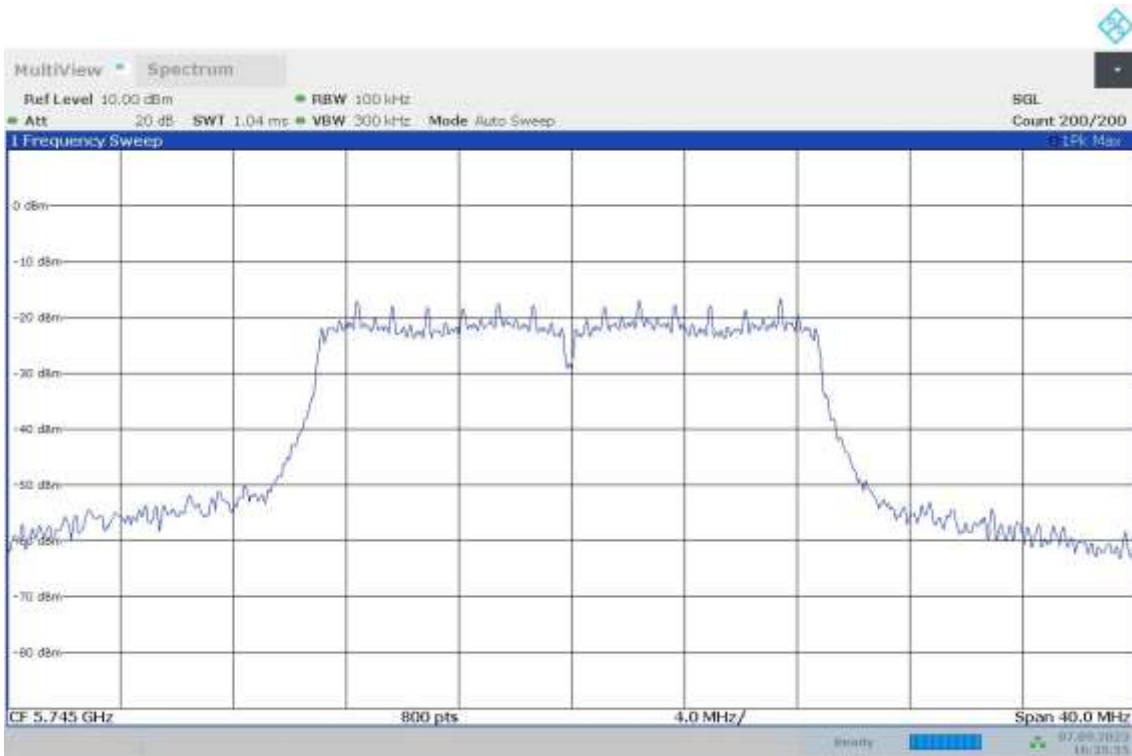
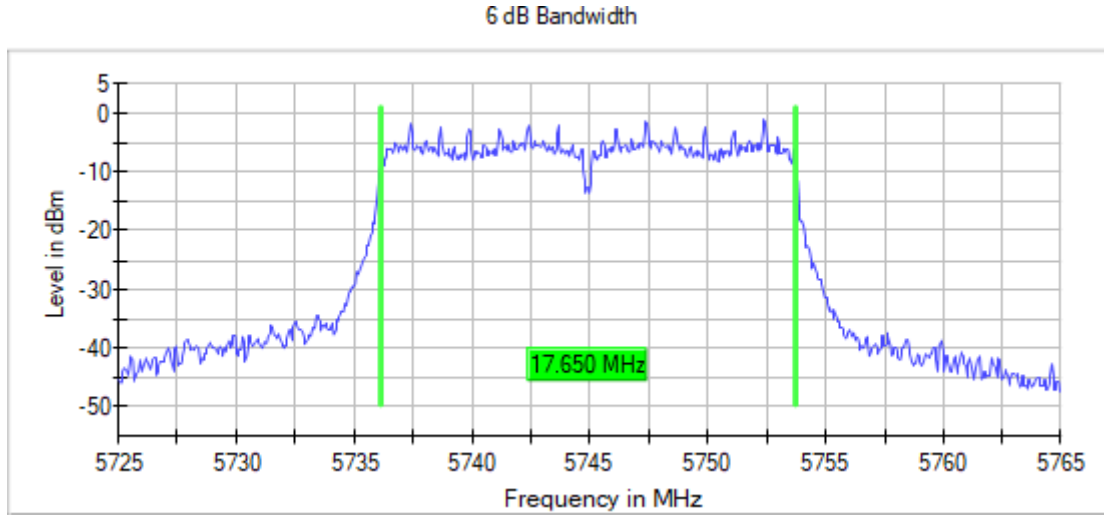
Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1+2	5745.00000	17.650
		5785.00000	17.650
		5825.00000	17.650

**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

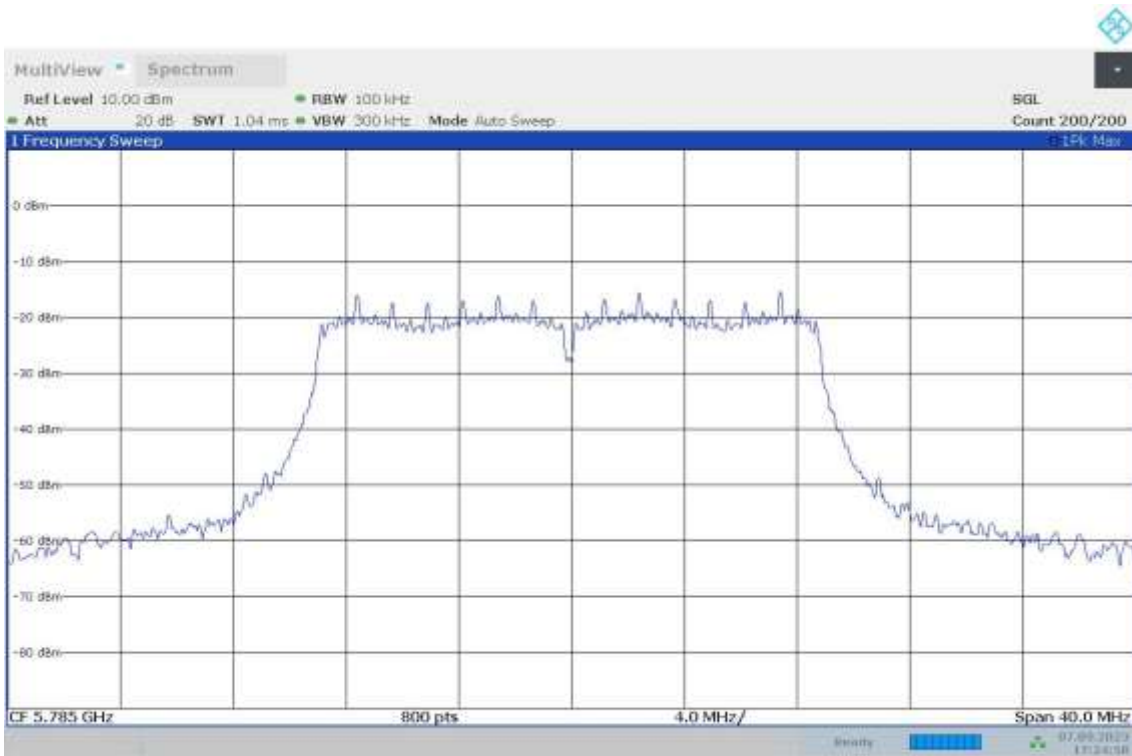
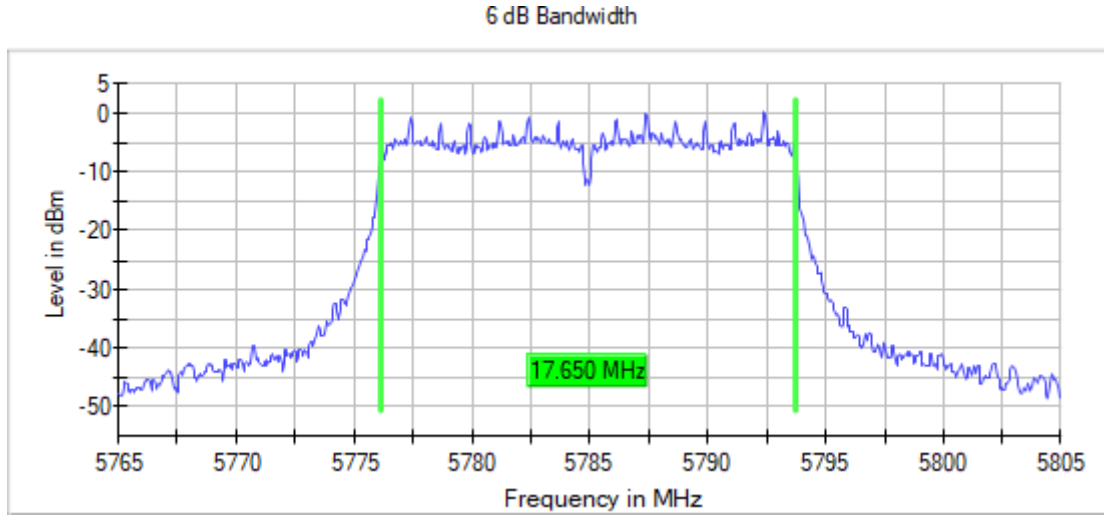
Images:



16:35:55 07.09.2023

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

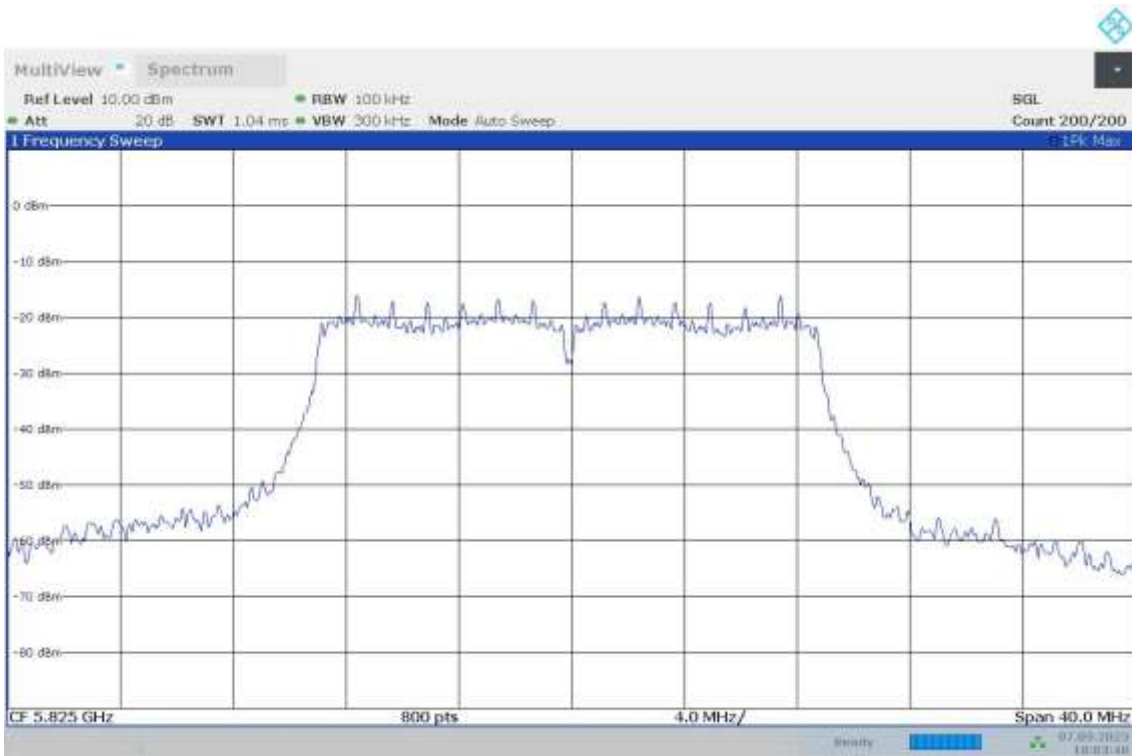
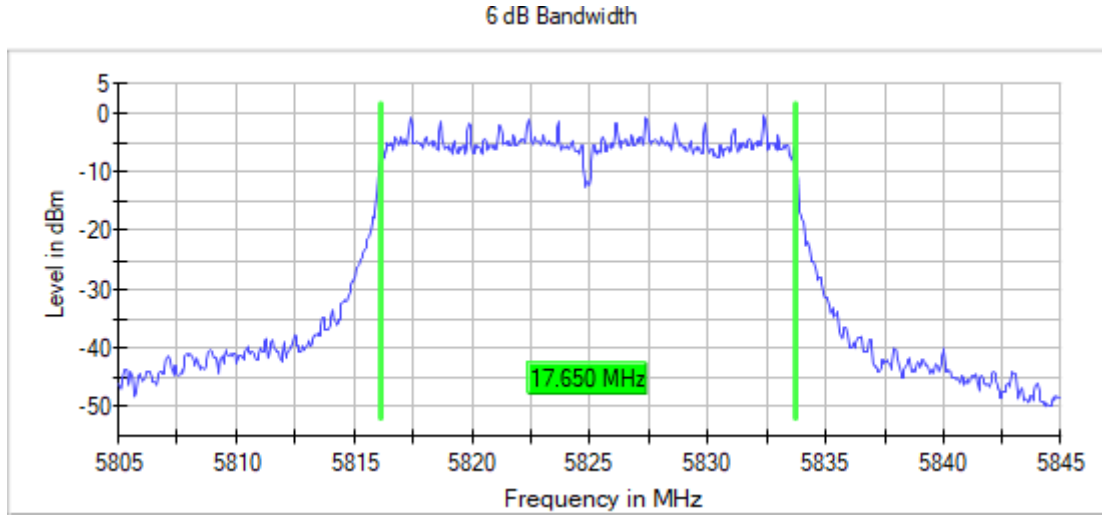
Images:





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:



18:03:48 07.09.2023

Modulation: 802.11ax HE20 SS1 (OFDMA MCS0)

MIMO Mode: MIMO CCD Mode 2x2

**Results**

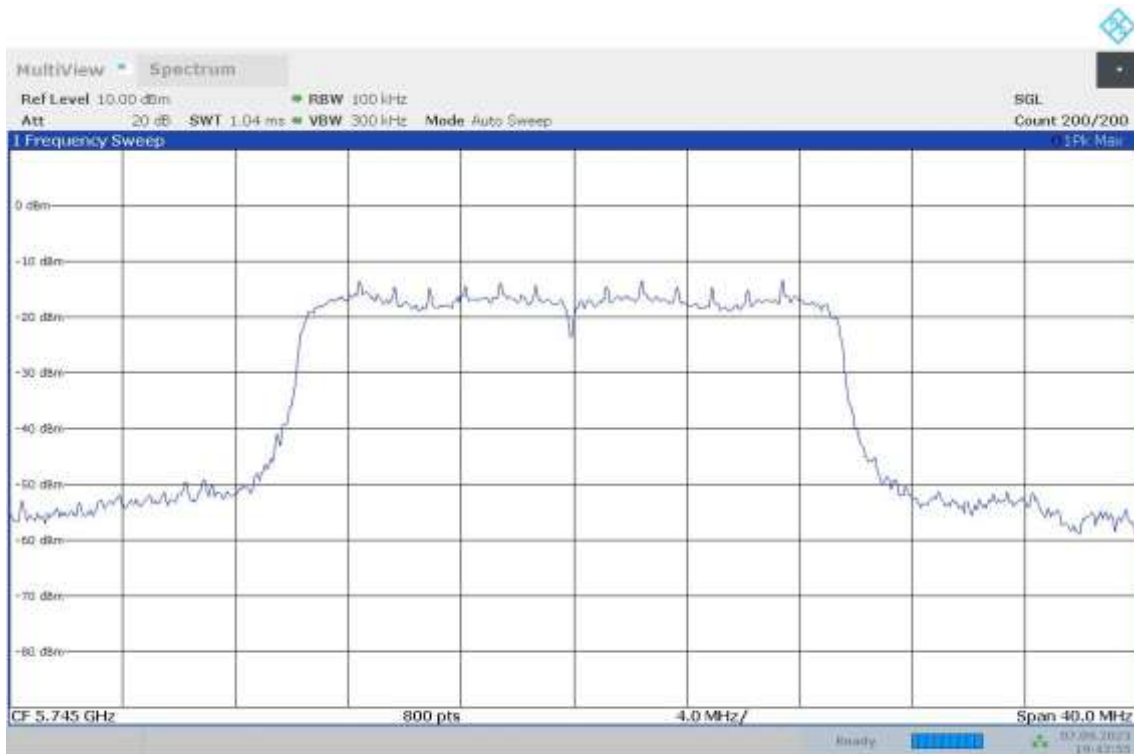
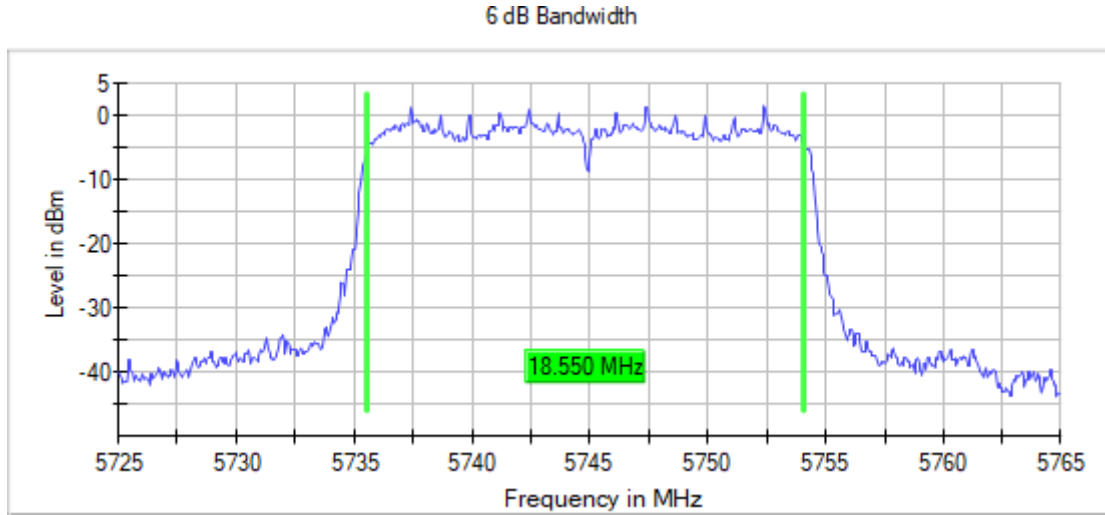
Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1+2	5745.00000	18.550
		5785.00000	18.350
		5825.00000	18.500

**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

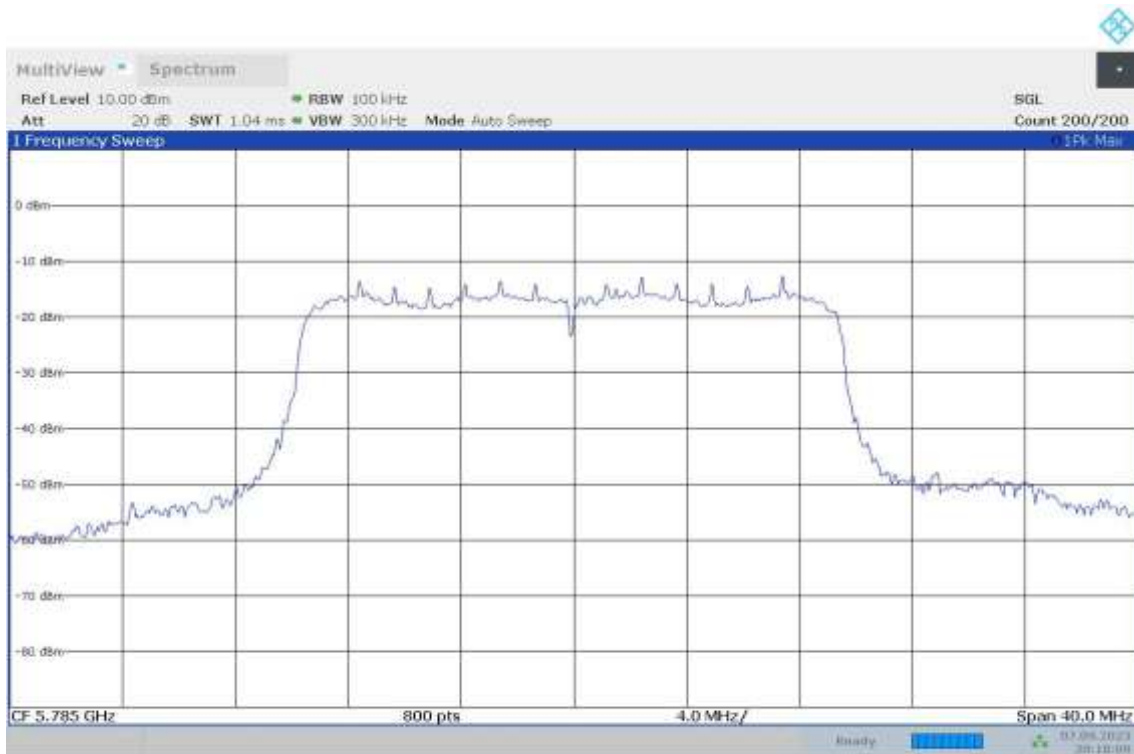
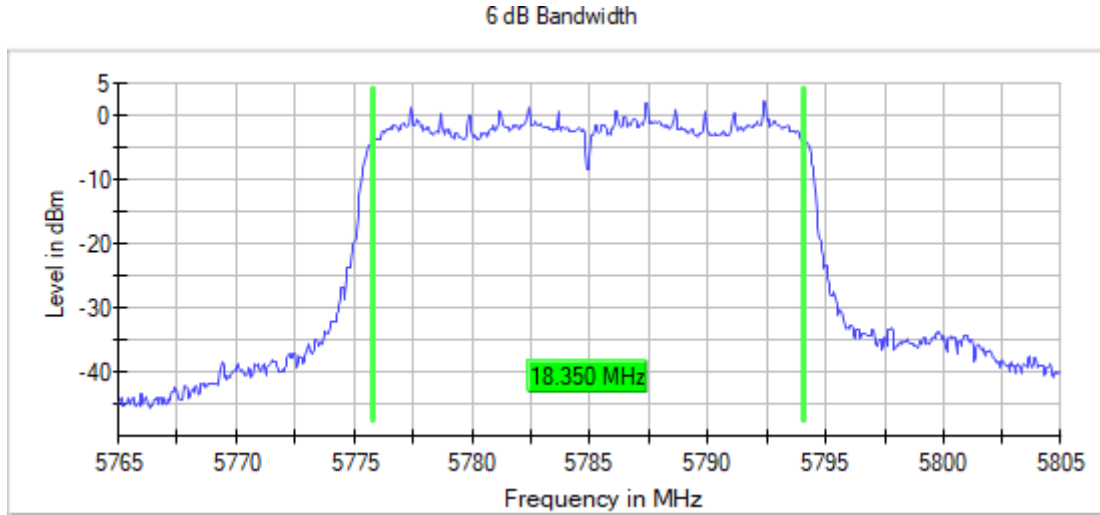
Images:



19:42:56 07.09.2023

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

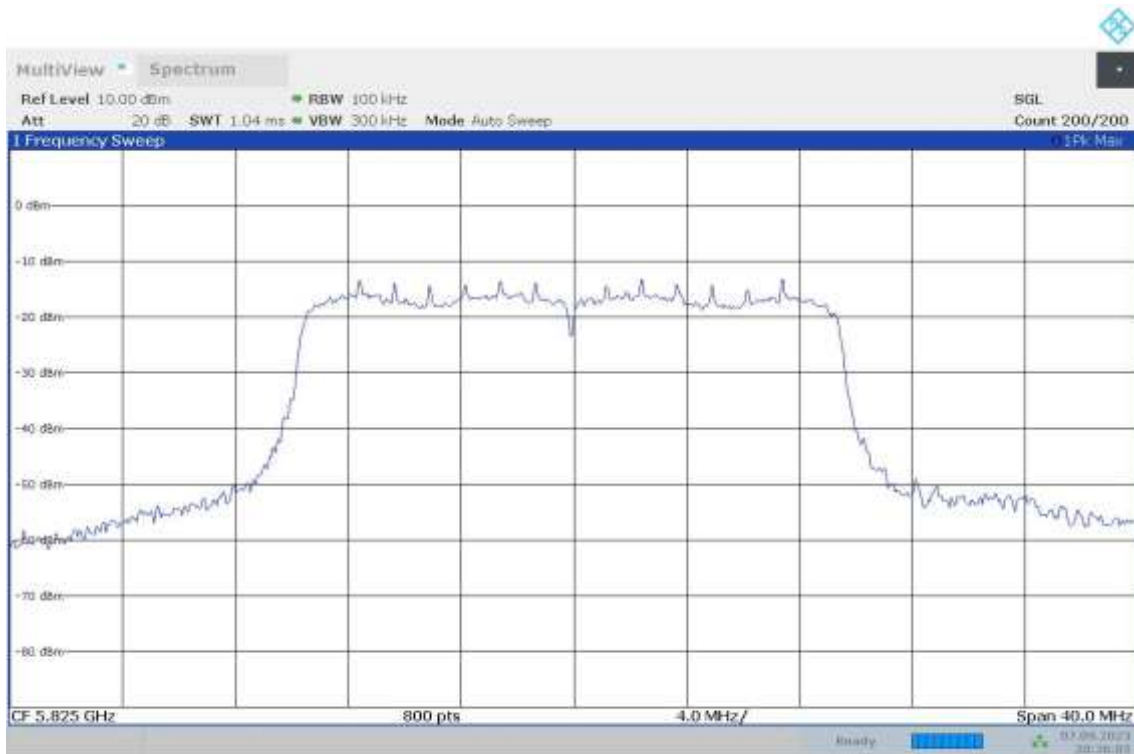
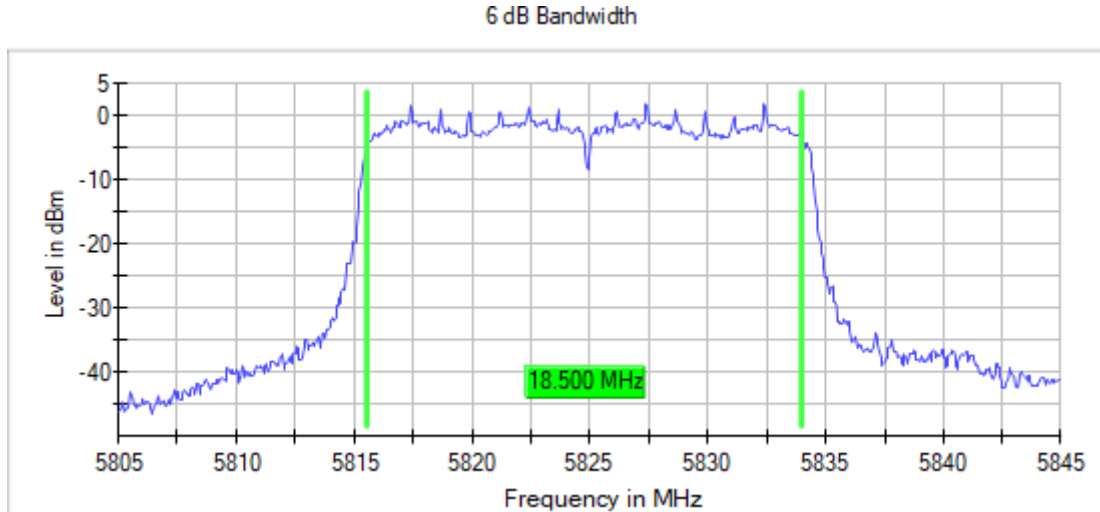
**Images:**



20:10:09 07.09.2023

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:



20:26:06 07.09.2023

Modulation: 802.11ac VHT40 SS1 (OFDM MCS0)

MIMO Mode: MIMO CCD Mode 2x2

**Results**

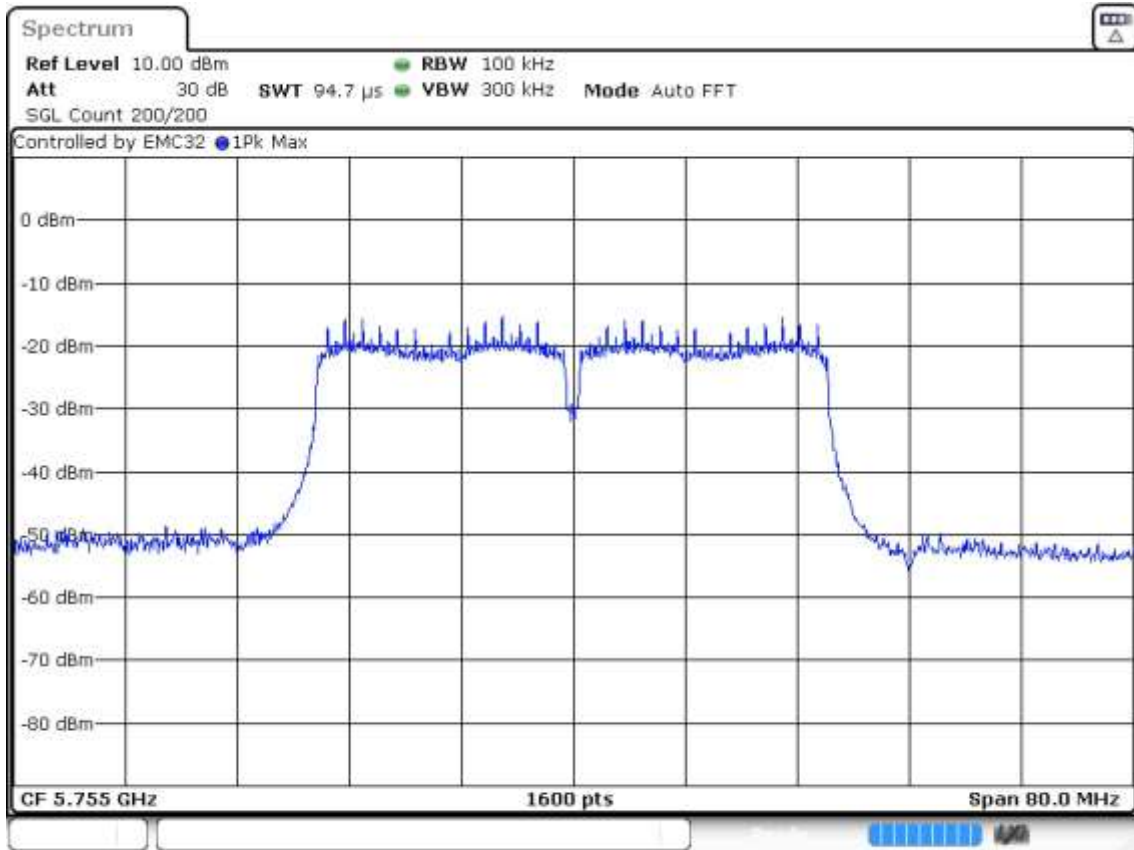
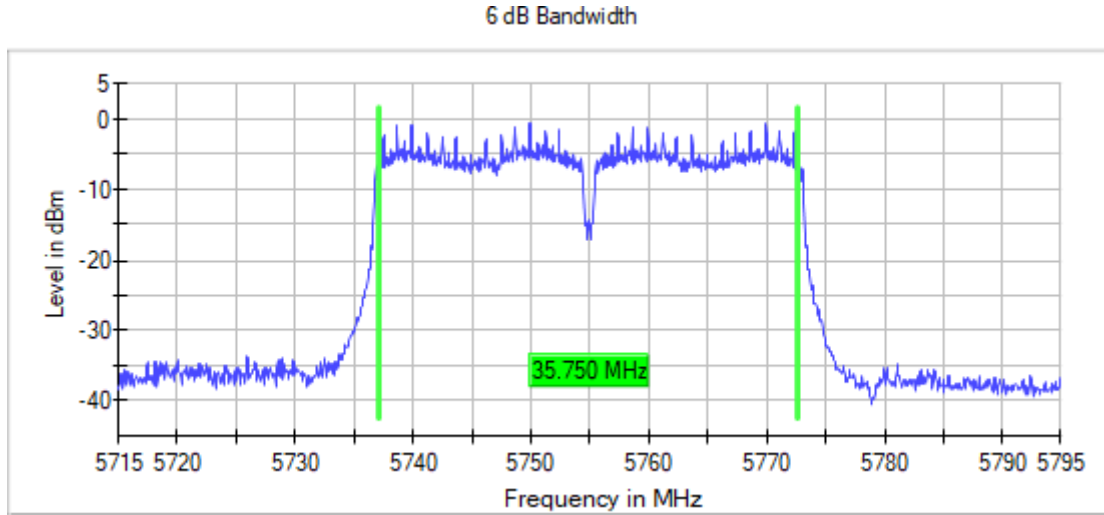
Operation Band (MHz)	Port	Freq (MHz)	Ebw (MHz)
[5150, 5850]	1+2	5755.00000	35.750
		5795.00000	35.250

**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:



Date: 8.SEP.2023 17:14:38