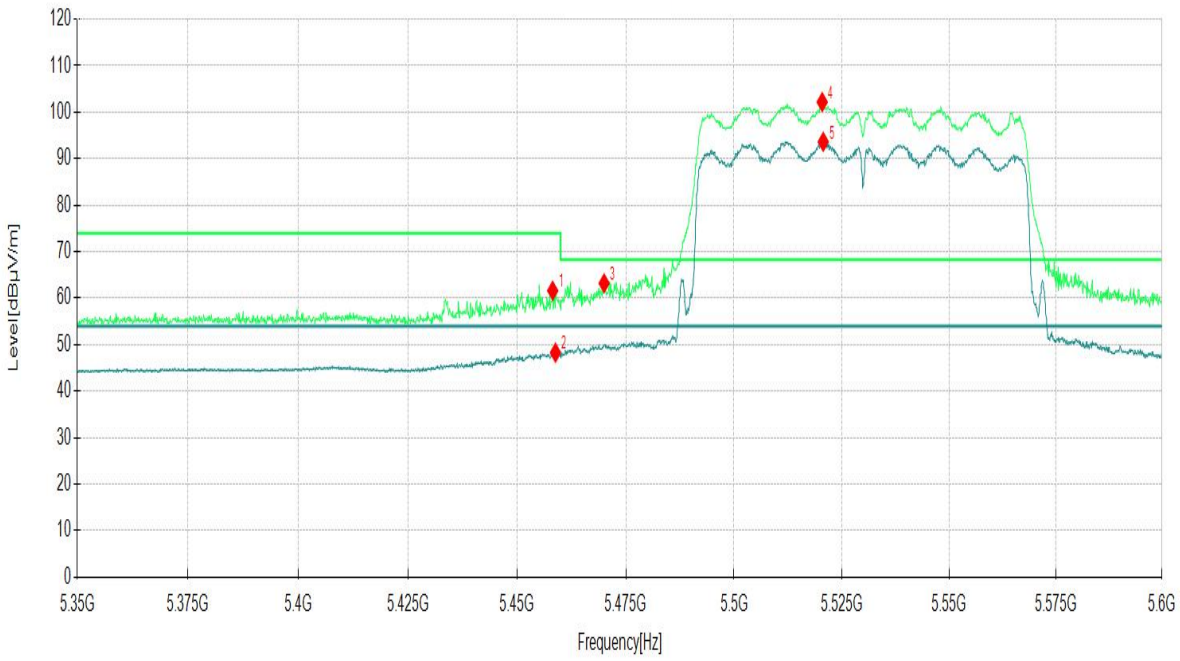
| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5458.179 | 51.67 | 9.94 | 61.61 | 74.00 | 12.39 | 104 | 202 | PK | Vertical |
| 2 | 5458.804 | 38.33 | 9.96 | 48.29 | 54.00 | 5.71 | 180 | 223 | AV | Vertical |
| 3 | #5470.00 | 54.35 | 9.94 | 64.29 | 68.20 | 3.91 | 195 | 176 | PK | Vertical |
| 4 | *5520.460 | 92.65 | 9.53 | 102.18 | | | 129 | 215 | PK | Vertical |
| 5 | *5520.710 | 84.13 | 9.51 | 93.64 | | | 140 | 215 | AV | Vertical |
| 6 | 11060.00 | 37.81 | 15.05 | 52.86 | 74.00 | 21.14 | 189 | 252 | PK | Vertical |
| 7 | 11060.00 | 28.23 | 15.05 | 43.28 | 54.00 | 10.72 | 164 | 248 | AV | Vertical |
| 8 | #16590.0 | 21.37 | 23.82 | 45.19 | 68.20 | 23.01 | 179 | 1 | PK | Vertical |




**REMARKS:**

1. Level (dBuV/m) = Reading (dBuV) + Factor (dB/m).
2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin = Limit – Level
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| CHANNEL | TX Channel 138 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11380.00 | 24.79 | 15.04 | 39.83 | 74.00 | 34.17 | 139 | 92 | PK | Horizontal |
| 2 | 11380.00 | 16.37 | 15.04 | 31.41 | 54.00 | 22.59 | 129 | 330 | AV | Horizontal |
| 3 | #17070.0 | 19.97 | 25.86 | 45.83 | 68.20 | 22.37 | 189 | 82 | PK | Horizontal |

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11380.00 | 25.23 | 15.04 | 40.27 | 74.00 | 33.73 | 178 | 162 | PK | Vertical |
| 2 | 11380.00 | 16.76 | 15.04 | 31.80 | 54.00 | 22.20 | 112 | 282 | AV | Vertical |
| 3 | #17070.0 | 19.18 | 25.86 | 45.04 | 68.20 | 23.16 | 145 | 181 | PK | Vertical |

**REMARKS:**

1. Level (dBuV/m) = Reading (dBuV) + Factor (dB/m).
2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin = Limit – Level
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

## 3.2 CONDUCTED EMISSION MEASUREMENT

### 3.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

| FREQUENCY OF EMISSION (MHz) | CONDUCTED LIMIT (dBμV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15 ~ 0.5 | 66 to 56 | 56 to 46 |
| 0.5 ~ 5 | 56 | 46 |
| 5 ~ 30 | 60 | 50 |

**NOTE**: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

### 3.2.2 TEST PROCEDURES

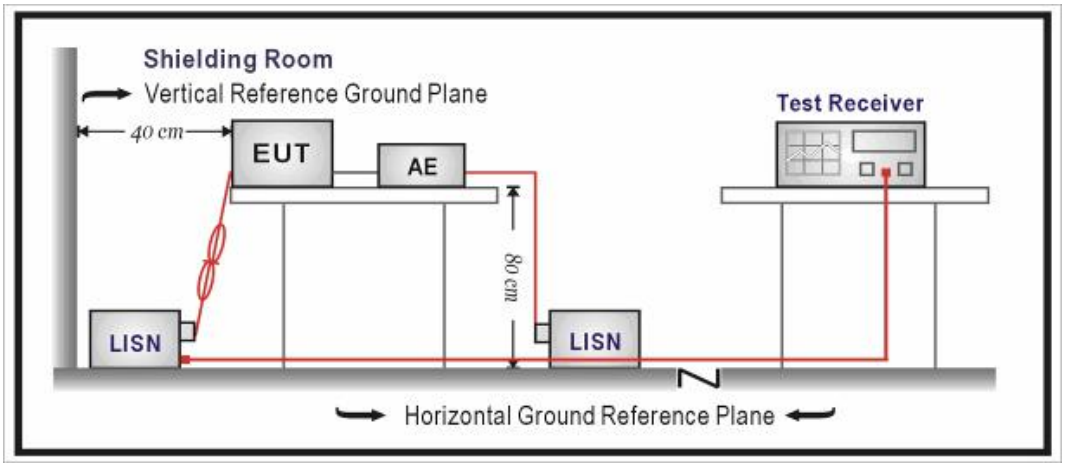
a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

### 3.2.3 TEST SETUP




**NOTE:** For the actual test configuration, please refer to the attached file (Test Setup Photo).

### 3.2.4 TEST RESULTS

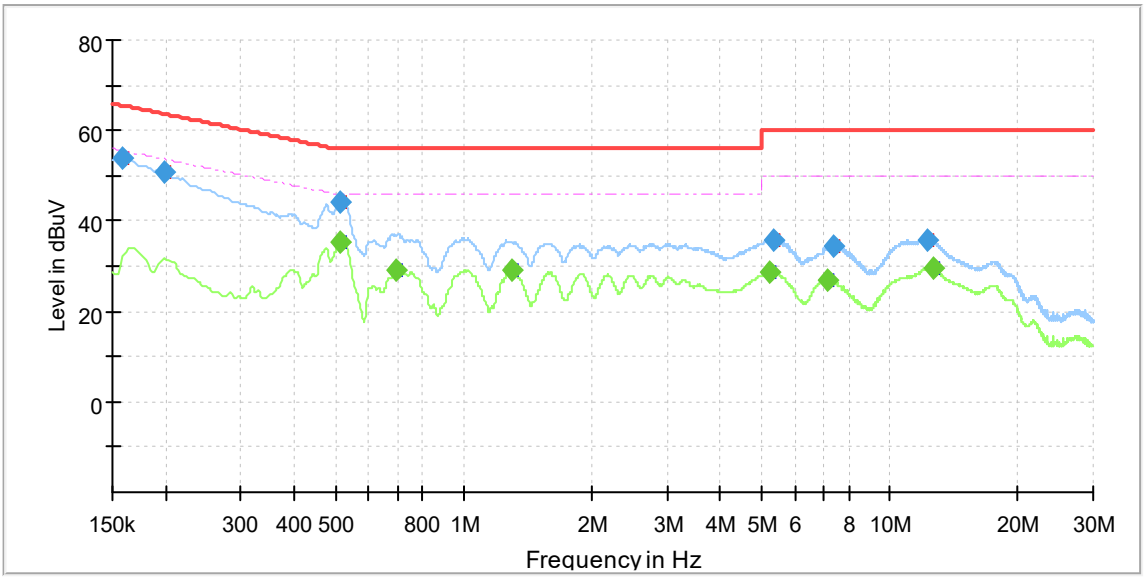
**CONDUCTED WORST-CASE DATA: 802.11a**

| PHASE | Line | 6dB BANDWIDTH | 9kHz |
|---|---|---|---|

| Frequency (MHz) | Emission Level | | Limit (dBuV) | Margin (dB) | Correction Factor (dB) |
|---|---|---|---|---|---|
| | QuasiPeak (dBuV) | Average (dBuV) | | | |
| 0.159 | 53.7 | --- | 65.5 | 11.8 | 19.5 |
| 0.200 | 50.8 | --- | 63.6 | 12.9 | 19.5 |
| 0.512 | --- | 35.5 | 46.0 | 10.5 | 19.5 |
| 0.515 | 44.3 | --- | 56.0 | 11.7 | 19.5 |
| 0.697 | --- | 29.3 | 46.0 | 16.7 | 19.6 |
| 1.295 | --- | 29.0 | 46.0 | 17.0 | 19.5 |
| 5.224 | --- | 28.6 | 50.0 | 21.4 | 19.6 |
| 5.345 | 35.9 | --- | 60.0 | 24.1 | 19.6 |
| 7.105 | --- | 26.9 | 50.0 | 23.1 | 19.7 |
| 7.339 | 34.6 | --- | 60.0 | 25.4 | 19.7 |
| 12.273 | 35.9 | --- | 60.0 | 24.1 | 19.8 |
| 12.588 | --- | 29.5 | 50.0 | 20.5 | 19.9 |

**REMARKS:**

1. The emission levels of other frequencies were very low against the limit.
2. Margin value = Limit - Emission level
3. Factor = Insertion loss + Cable loss

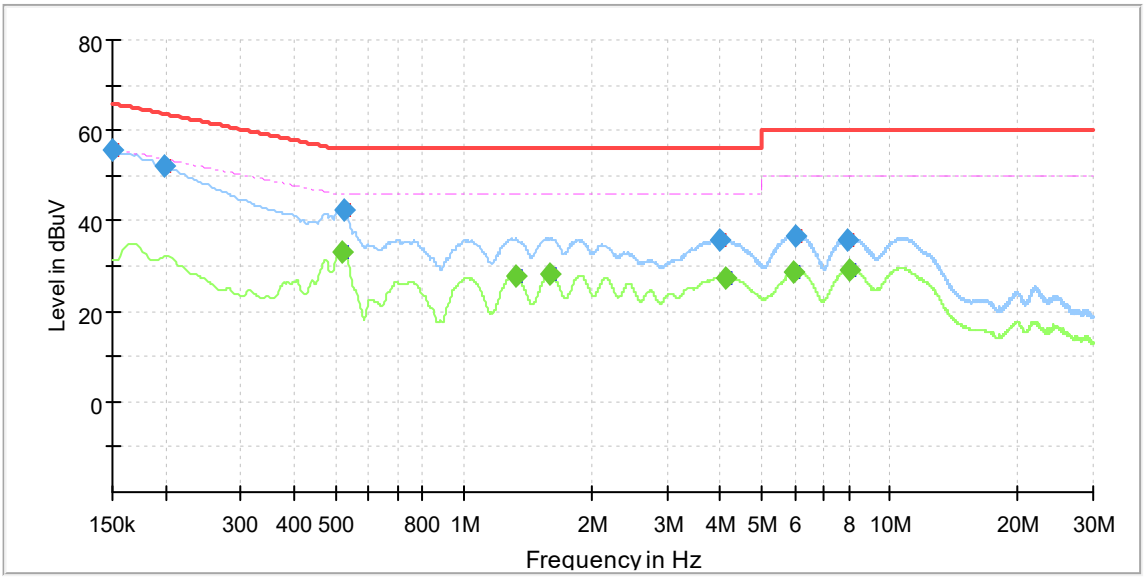


| PHASE | Neutral | 6dB BANDWIDTH | 9kHz |
|---|---|---|---|

| Frequency (MHz) | Emission Level | | Limit (dBuV) | Margin (dB) | Correction Factor (dB) |
|---|---|---|---|---|---|
| | QuasiPeak (dBuV) | Average (dBuV) | | | |
| 0.150 | 55.8 | --- | 66.0 | 10.2 | 19.5 |
| 0.200 | 52.2 | --- | 63.6 | 11.5 | 19.5 |
| 0.521 | --- | 33.3 | 46.0 | 12.7 | 19.6 |
| 0.526 | 42.6 | --- | 56.0 | 13.4 | 19.6 |
| 1.322 | --- | 28.0 | 46.0 | 18.0 | 19.6 |
| 1.601 | --- | 28.2 | 46.0 | 17.8 | 19.6 |
| 3.975 | 35.6 | --- | 56.0 | 20.4 | 19.6 |
| 4.133 | --- | 27.3 | 46.0 | 18.7 | 19.7 |
| 5.964 | --- | 28.8 | 50.0 | 21.2 | 19.7 |
| 5.996 | 36.8 | --- | 60.0 | 23.2 | 19.7 |
| 7.962 | 35.7 | --- | 60.0 | 24.3 | 19.8 |
| 8.030 | --- | 29.1 | 50.0 | 20.9 | 19.8 |

**REMARKS:**

1. The emission levels of other frequencies were very low against the limit.
2. Margin value = Limit - Emission level
3. Factor = Insertion loss + Cable loss



## 3.3 26DB EMISSION BANDWIDTH

### 3.3.1 LIMITS OF 26DB EMISSION BANDWIDTH

This section is for reporting purpose only, there is on restriction limit of bandwidth

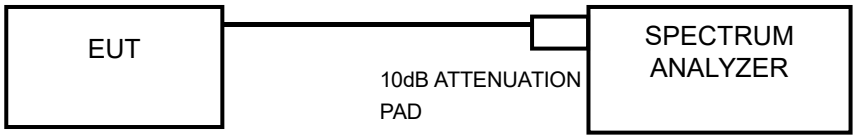
### 3.3.2 TEST PROCEDURES

**FOR 26dB BANDWIDTH**

1) Set RBW = approximately 1% of the emission bandwidth.
2) Set the VBW > RBW.
3) Detector = Peak
4) Trace mode = max hold.
5) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

### 3.3.3 TEST SETUP

**FOR 26dB BANDWIDTH**




### 3.3.4 TEST RESULTS

Refer to Appendix A

## 3.4 6DB EMISSION BANDWIDTH

### 3.4.1 LIMITS OF 6DB EMISSION BANDWIDTH

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

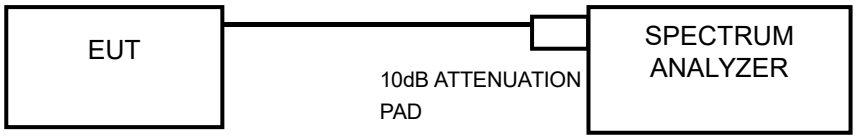
### 3.4.2 TEST PROCEDURES

**FOR 6dB BANDWIDTH**

1) Set RBW = 100 kHz.
2) Set the video bandwidth (VBW) ≥ 3 RBW.
3) Detector = Peak.
4) Trace mode = max hold.
5) Sweep = auto couple.
6) Allow the trace to stabilize.
7) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 3.4.3 TEST SETUP

**FOR 6dB BANDWIDTH**




### 3.4.4 TEST RESULTS

Refer to Appendix B

## 3.5 TRANSMIT POWER MEASUREMENT

### 3.5.1 LIMITS OF TRANSMIT POWER MEASUREMENT

| Operation Band | EUT Category | | LIMIT |
|---|---|---|---|
| U-NII-1 | | Outdoor Access Point | 1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon) |
| | | Fixed point-to-point Access Point | 1 Watt (30 dBm) |
| | | Indoor Access Point | 1 Watt (30 dBm) |
| | | Mobile and Portable client device | 250mW (24 dBm) |
| U-NII-2A | √ | | 250mW(24dBm) or 11 dBm+10LogB* |
| U-NII-2C | √ | | 250mW(24dBm) or 11 dBm+10LogB* |
| U-NII-3 | | | 1 Watt (30 dBm) |

**NOTE:** 1. Where B is the 26dB emission bandwidth in MHz.

**Directional gain and the maximum output power limit:**

| Operation Band | Chain 0 Antenna Gain(dBi) | Chain 1 Antenna Gain(dBi) | DG For Power (dBi) | Power Limit Reduction |
|---|---|---|---|---|
| U-NII-2A | 4.95 | 4.95 | 4.95 | 0 |
| U-NII-2C | 4.95 | 4.95 | 4.95 | 0 |

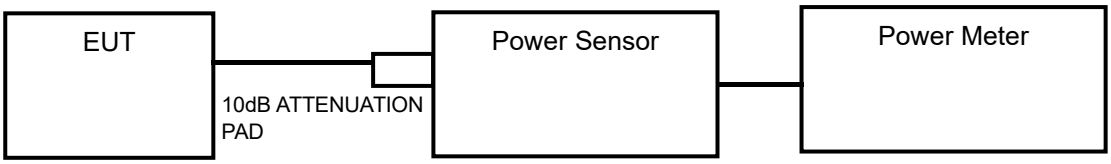
MIMO mode:
FCC KDB 662911 D01 Mutiple Transmitter Output V02r01
For CDD transmissions, directional gain is calculateed as
Dirctional Gain= GANT+ Array Gain, where Array Gain is as follows.
For power spectral desity(PSD) measurements on all devices.
Array Gain=10 log($N_{ANT}/N_{SS}$=1)
For power measurements on IEEE802.11 devices,
Array Gain=0 dB (i.e, no array gain) for NANT<=4.
The EUT support CDD mode, for Power and PSD, the directional gain is following F)2)f)i)
The directional gain "DG" is calculated as following table.

### 3.5.2 TEST PROCEDURES

**FOR AVERAGE POWER MEASUREMENT**

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

### 3.5.3 TEST SETUP




### 3.5.4 EST RESULTS

Refer to Appendix C

## 3.6 POWER SPECTRAL DENSITY MEASUREMENT

### 3.6.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

| Operation Band | EUT Category | | LIMIT |
|---|---|---|---|
| U-NII-1 | | Outdoor Access Point | 17dBm/ MHz |
| | | Fixed point-to-point Access Point | |
| | | Indoor Access Point | |
| | | Mobile and Portable client device | 11dBm/ MHz |
| U-NII-2A | √ | | 11dBm/ MHz |
| U-NII-2C | √ | | 11dBm/ MHz |
| U-NII-3 | | | 30dBm/ 500kHz |

**Directional gain and the maximum output power limit:**

| Operation Band | Chain 0 Antenna Gain(dBi) | Chain 1 Antenna Gain(dBi) | DG For PSD (dBi) | PSD Limit Reduction |
|---|---|---|---|---|
| U-NII-2A | 4.95 | 4.95 | 7.96 | 1.96 |
| U-NII-2C | 4.95 | 4.95 | 7.96 | 1.96 |

MIMO mode:
FCC KDB 662911 D01 Mutiple Transmitter Output V02r01
For CDD transmissions, directional gain is calculateed as
Dirctional Gain= GANT+ Array Gain, where Array Gain is as follows.
For power spectral desity(PSD) measurements on all devices.
Array Gain=10 log($N_{ANT}/N_{SS}$=1)
For power measurements on IEEE802.11 devices,
Array Gain=0 dB (i.e, no array gain) for NANT<=4.
The EUT support CDD mode, for Power and PSD, the directional gain is following F)2)f)i)
The directional gain "DG" is calculated as following table.

### 3.6.2 TEST PROCEDURE

**For U-NII-1, U-NII-2A, U-NII-2C band:**

Using method SA-2

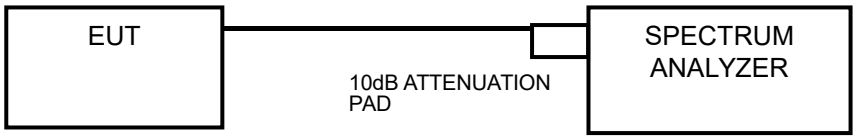
1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
2) Set RBW = 1MHz, Set VBW =3 MHz, Detector = RMS
3) Set Channel power measure = 1MHz
4) Sweep time = auto, trigger set to “free run”.
5) Trace average at least 100 traces in power averaging mode.
6) Record the max value and add 10 log (1/duty cycle)

**For U-NII-3 band:**

Using method SA-2

1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
2) Set RBW = 300 kHz, Set VBW =1 MHz, Detector = RMS
3) Set Channel power measure = 1MHz
4) Sweep time = auto, trigger set to “free run”.
5) Trace average at least 100 traces in power averaging mode.
6) Record the max value and add 10 log (1/duty cycle)

### 3.6.3 TEST SETUP




### 3.6.4 TEST RESULT

Refer to Appendix D

## 3.7 FREQUENCY STABILITY

### 3.7.1 LIMITS OF FREQUENCY STABILITY

The frequency of the carrier signal shall be maintained within band of operation.

### 3.7.2 TEST PROCEDURES

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.

b. Turn the EUT on and couple its output to a spectrum analyzer.

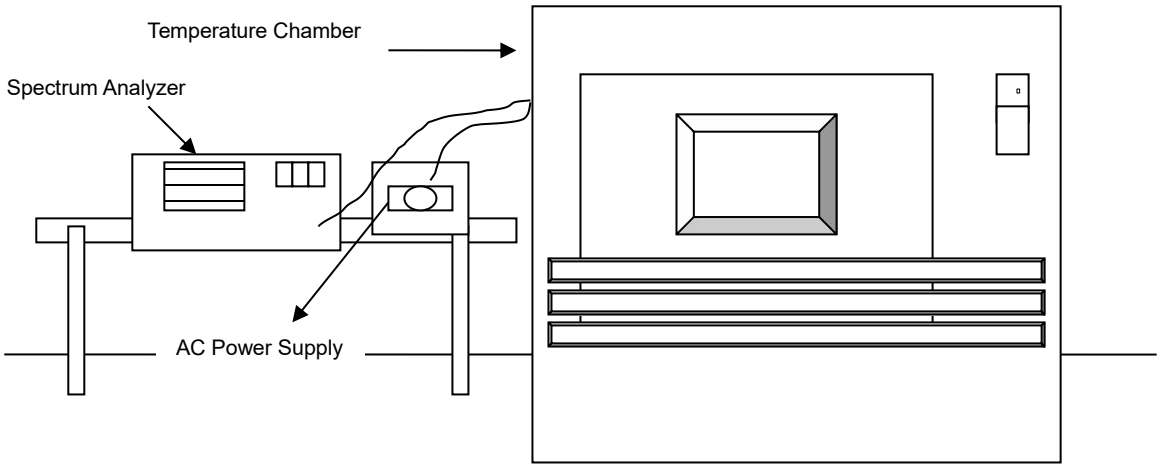
c. Turn the EUT off and set the chamber to the highest temperature specified.

d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.

e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.

f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

### 3.7.3 TEST SETUP



### 3.7.4 TEST RESULTS

Refer to Appendix E

# 4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).

# 5 Appendix

## 5.1 Appendix A: 26DB EMISSION BANDWIDTH

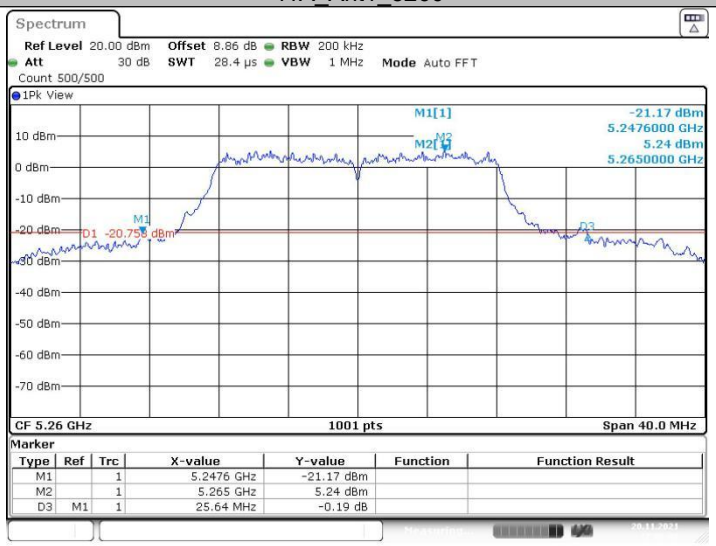
### 5.1.1 Test Result

| TestMode | Antenna | Channel | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5260 | 25.640 | 5247.600 | 5273.240 | --- | PASS |
| | Ant2 | 5260 | 20.720 | 5249.800 | 5270.520 | --- | PASS |
| | Ant1 | 5280 | 21.200 | 5269.720 | 5290.920 | --- | PASS |
| | Ant2 | 5280 | 20.560 | 5269.760 | 5290.320 | --- | PASS |
| | Ant1 | 5320 | 21.440 | 5309.200 | 5330.640 | --- | PASS |
| | Ant2 | 5320 | 20.760 | 5309.880 | 5330.640 | --- | PASS |
| | Ant1 | 5500 | 20.760 | 5489.920 | 5510.680 | --- | PASS |
| | Ant2 | 5500 | 20.840 | 5489.400 | 5510.240 | --- | PASS |
| | Ant1 | 5580 | 21.120 | 5569.400 | 5590.520 | --- | PASS |
| | Ant2 | 5580 | 23.440 | 5567.400 | 5590.840 | --- | PASS |
| | Ant1 | 5700 | 21.800 | 5689.440 | 5711.240 | --- | PASS |
| | Ant2 | 5700 | 23.120 | 5687.920 | 5711.040 | --- | PASS |
| | Ant1 | 5720 | 22.160 | 5708.880 | 5714.960 | --- | PASS |
| | Ant2 | 5720 | 21.320 | 5709.320 | 5714.960 | --- | PASS |
| 11N20MIMO | Ant1 | 5260 | 20.840 | 5249.680 | 5270.520 | --- | PASS |
| | Ant2 | 5260 | 21.160 | 5249.480 | 5270.640 | --- | PASS |
| | Ant1 | 5280 | 20.800 | 5269.720 | 5290.520 | --- | PASS |
| | Ant2 | 5280 | 20.640 | 5269.720 | 5290.360 | --- | PASS |
| | Ant1 | 5320 | 20.880 | 5309.400 | 5330.280 | --- | PASS |
| | Ant2 | 5320 | 20.840 | 5309.560 | 5330.400 | --- | PASS |
| | Ant1 | 5500 | 21.160 | 5489.520 | 5510.680 | --- | PASS |
| | Ant2 | 5500 | 21.040 | 5489.600 | 5510.640 | --- | PASS |
| | Ant1 | 5580 | 21.000 | 5569.440 | 5590.440 | --- | PASS |
| | Ant2 | 5580 | 20.920 | 5569.480 | 5590.400 | --- | PASS |
| | Ant1 | 5700 | 23.000 | 5688.000 | 5711.000 | --- | PASS |
| | Ant2 | 5700 | 21.400 | 5689.360 | 5710.760 | --- | PASS |
| | Ant1 | 5720 | 21.040 | 5709.630 | 5714.960 | --- | PASS |
| | Ant2 | 5720 | 22.200 | 5708.240 | 5714.960 | --- | PASS |
| 11N40MIMO | Ant1 | 5270 | 43.120 | 5248.080 | 5291.200 | --- | PASS |
| | Ant2 | 5270 | 43.600 | 5247.840 | 5291.440 | --- | PASS |
| | Ant1 | 5310 | 44.000 | 5288.160 | 5332.160 | --- | PASS |
| | Ant2 | 5310 | 44.080 | 5288.080 | 5332.160 | --- | PASS |
| | Ant1 | 5510 | 43.200 | 5488.320 | 5531.520 | --- | PASS |
| | Ant2 | 5510 | 43.200 | 5488.080 | 5531.280 | --- | PASS |
| | Ant1 | 5550 | 49.840 | 5527.840 | 5577.680 | --- | PASS |
| | Ant2 | 5550 | 42.800 | 5528.160 | 5570.960 | --- | PASS |
| | Ant1 | 5670 | 49.680 | 5647.920 | 5697.600 | --- | PASS |
| | Ant2 | 5670 | 55.920 | 5637.360 | 5693.280 | --- | PASS |
| | Ant1 | 5710 | 43.680 | 5687.680 | 5694.400 | --- | PASS |
| | Ant2 | 5710 | 42.800 | 5688.480 | 5706.000 | --- | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11AC80MIMO | Ant1 | 5290 | 81.280 | 5249.360 | 5330.640 | --- | PASS |
| | Ant2 | 5290 | 80.800 | 5249.360 | 5330.160 | --- | PASS |
| | Ant1 | 5530 | 80.960 | 5489.200 | 5570.160 | --- | PASS |
| | Ant2 | 5530 | 82.080 | 5489.200 | 5571.280 | --- | PASS |
| | Ant1 | 5610 | 81.600 | 5568.560 | 5650.160 | --- | PASS |
| | Ant2 | 5610 | 81.600 | 5569.200 | 5650.800 | --- | PASS |
| | Ant1 | 5690 | 81.760 | 5649.200 | 5699.440 | --- | PASS |
| | Ant2 | 5690 | 80.640 | 5649.360 | 5653.840 | --- | PASS |

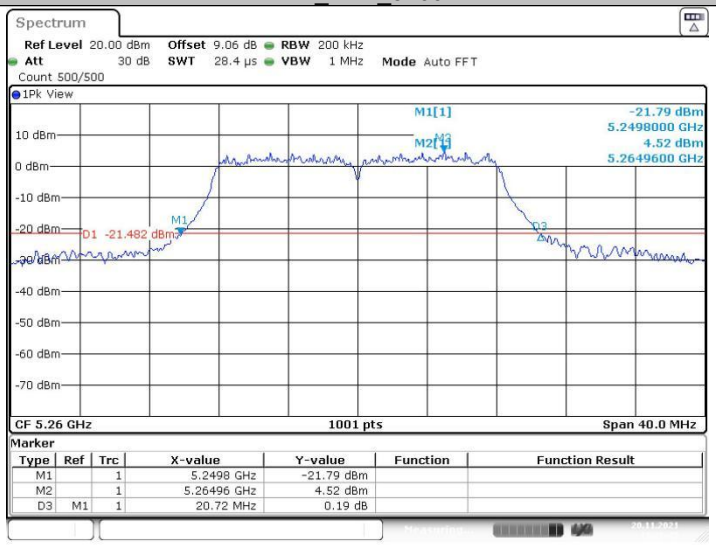
### 5.1.2 Test Graphs

11A_Ant1_5260



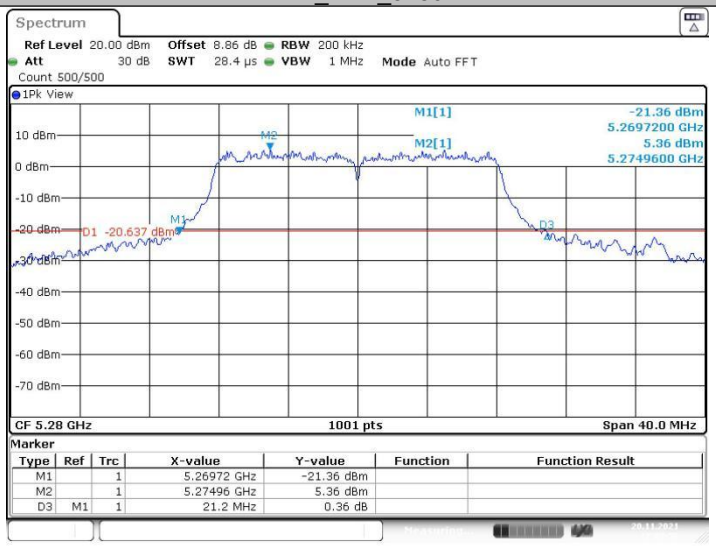

Date: 20.NOV.2021 12:06:38

11A_Ant2_5260



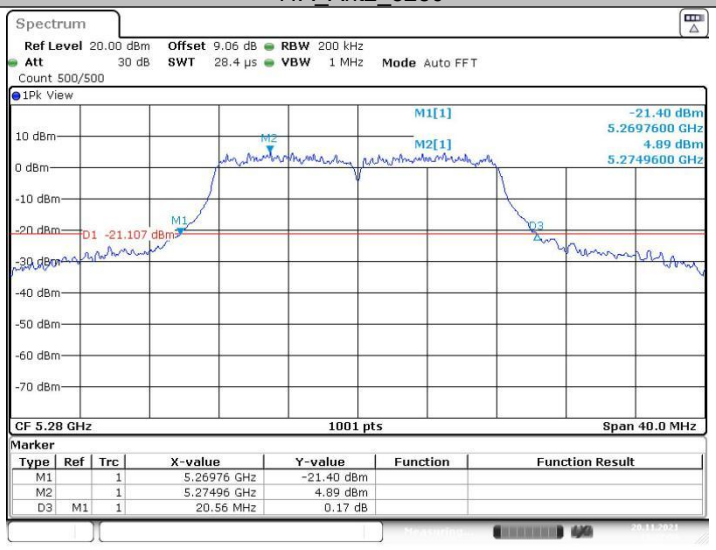

Date: 20.NOV.2021 13:26:45

11A_Ant1_5280



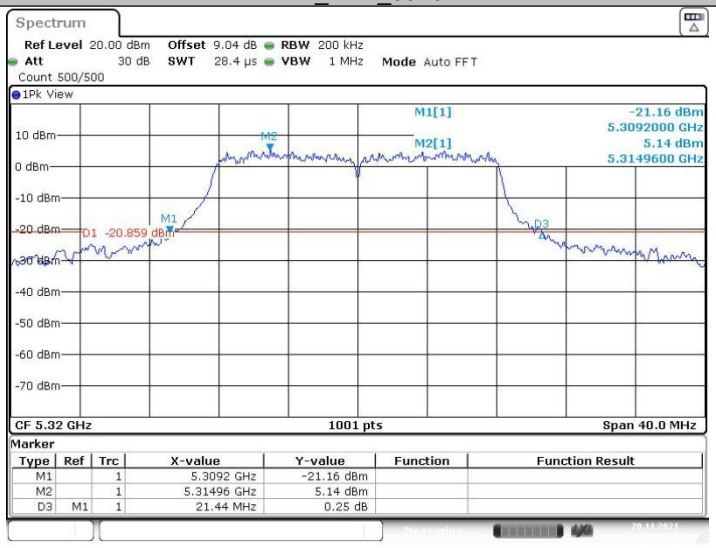

Date: 20.NOV.2021 12:09:57

11A_Ant2_5280



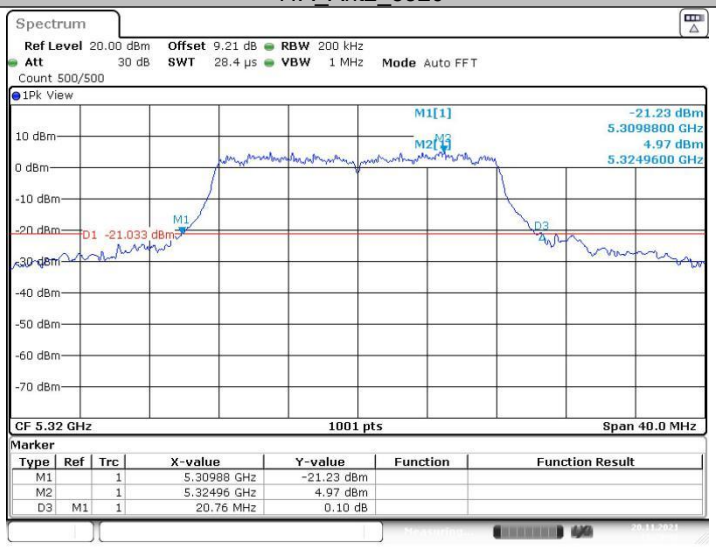

Date: 20.NOV.2021 13:22:54

11A_Ant1_5320



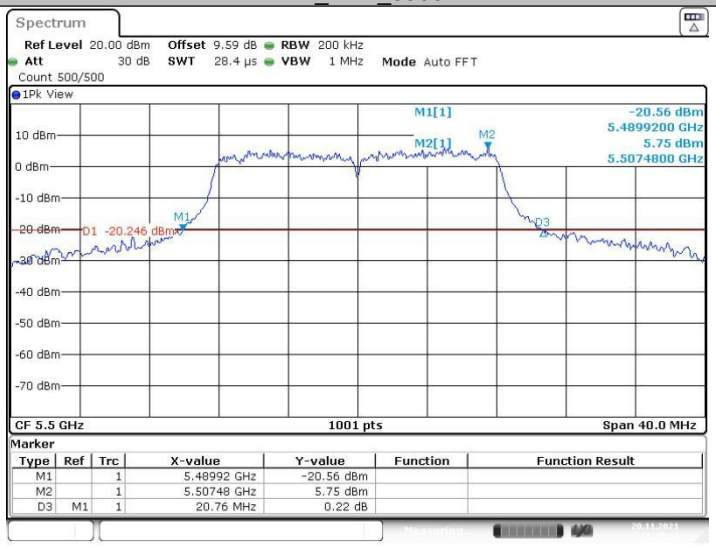

Date: 20.NOV.2021 12:14:08

11A_Ant2_5320

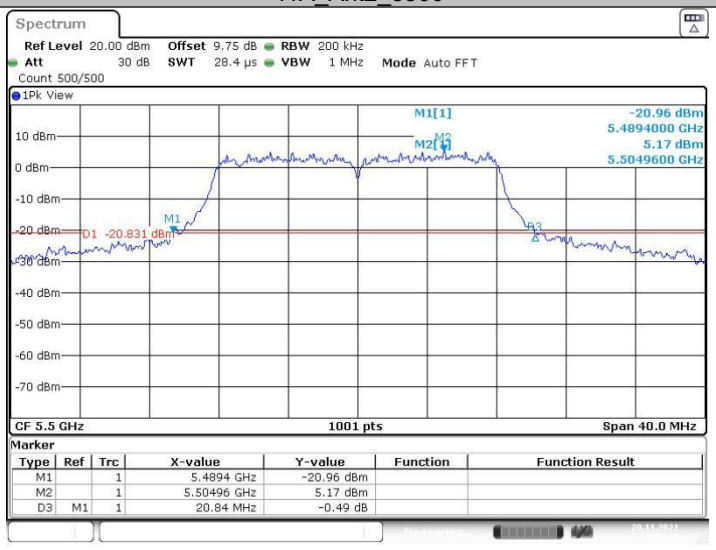



Date: 20.NOV.2021 13:28:38

11A_Ant1_5500




11A_Ant2_5500



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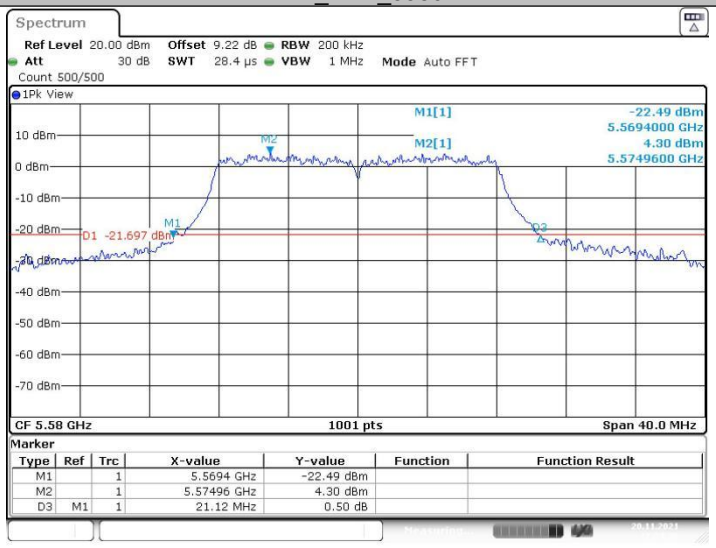
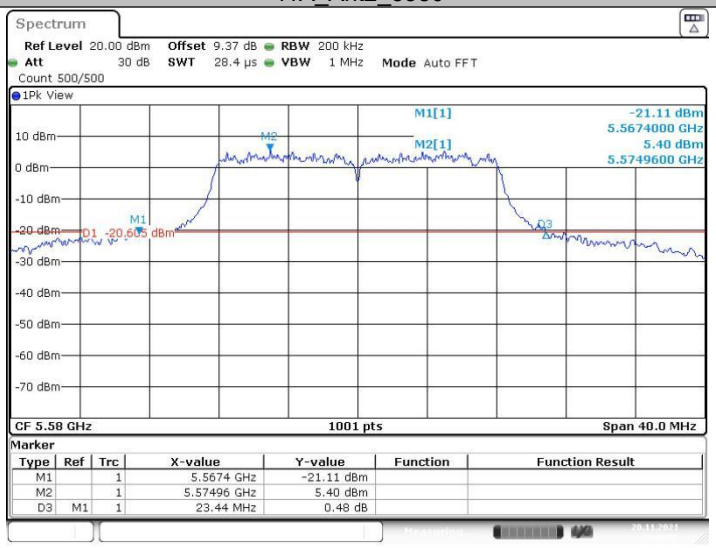


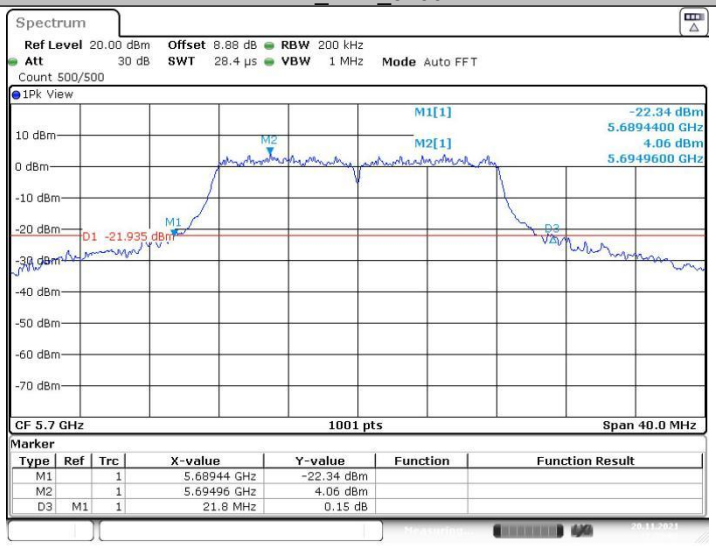

Date: 20.NOV.2021 12:24:36

11A_Ant2_5580



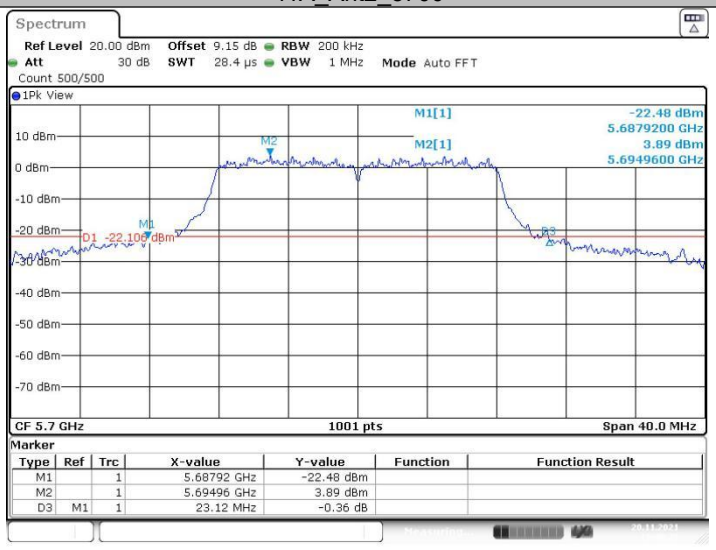

Date: 20.NOV.2021 13:40:01

11A_Ant1_5700



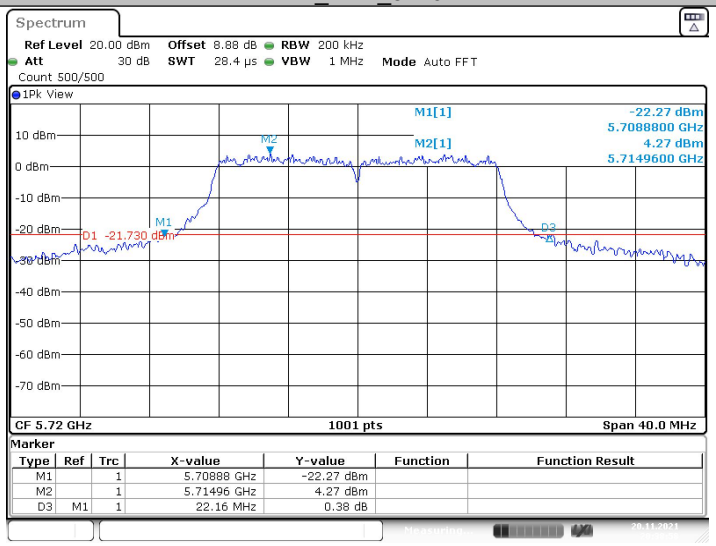

Date: 20.NOV.2021 12:29:02

11A_Ant2_5700



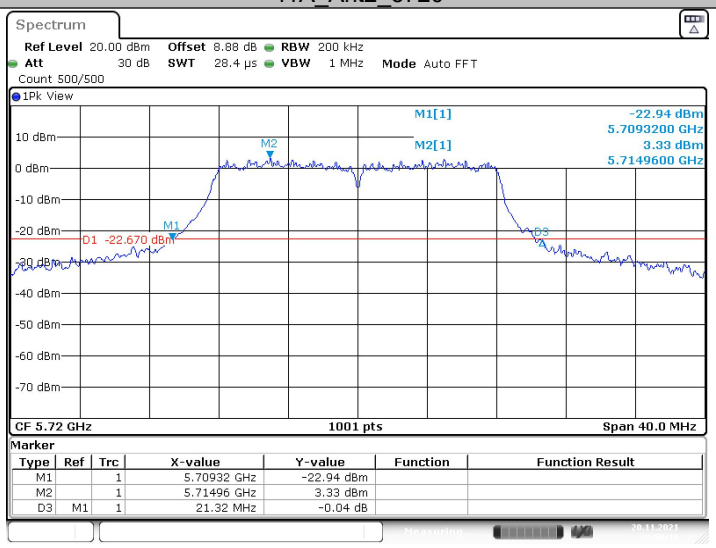

Date: 20.NOV.2021 13:40:24

11A_Ant1_5720



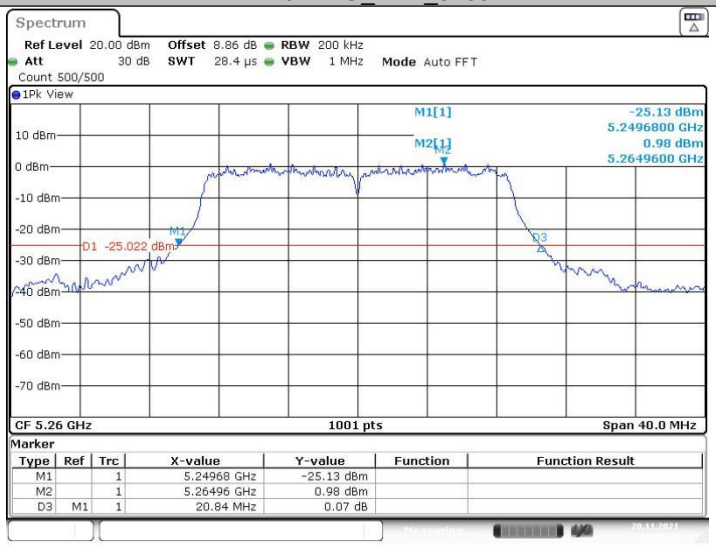

Date: 20.NOV.2021 20:38:59

11A_Ant2_5720



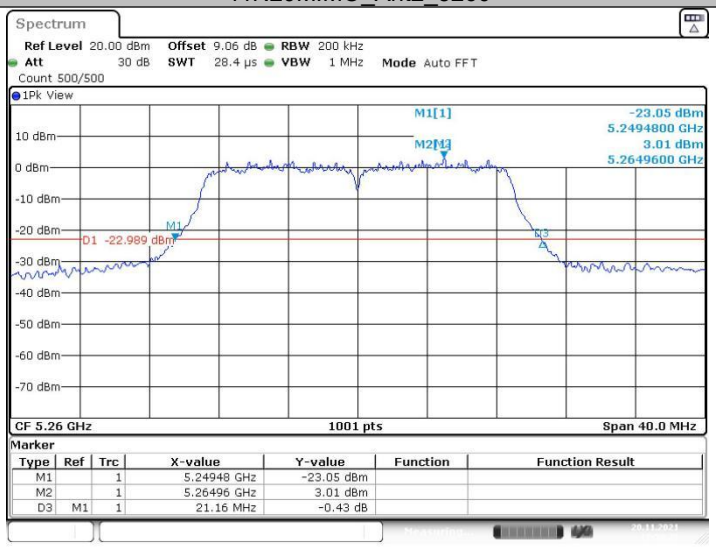

Date: 20.NOV.2021 20:58:19

11N20MIMO_Ant1_5260



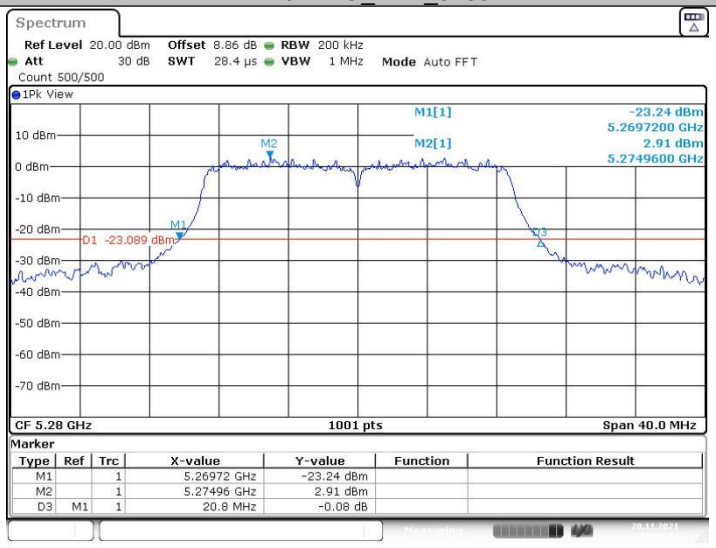

Date: 20.NOV.2021 13:46:33

11N20MIMO_Ant2_5260




Date: 20.NOV.2021 13:50:23

11N20MIMO_Ant1_5280

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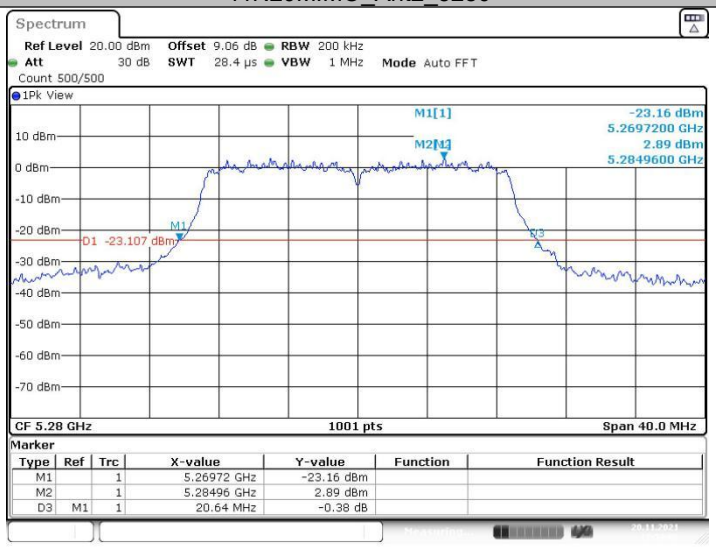
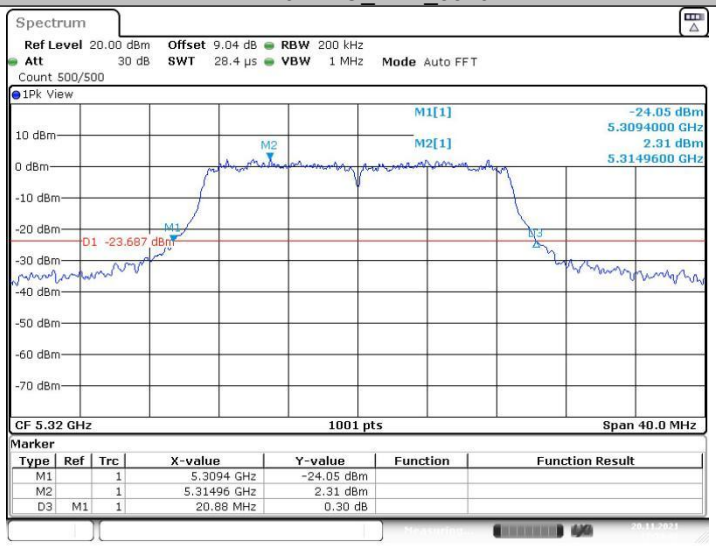
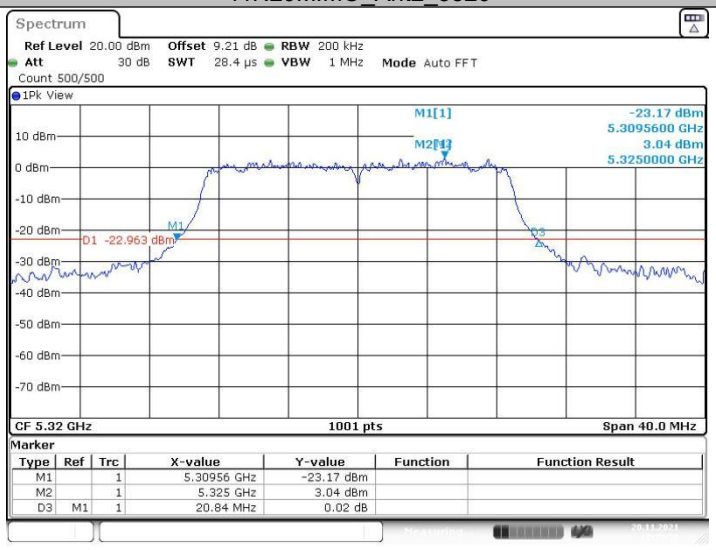


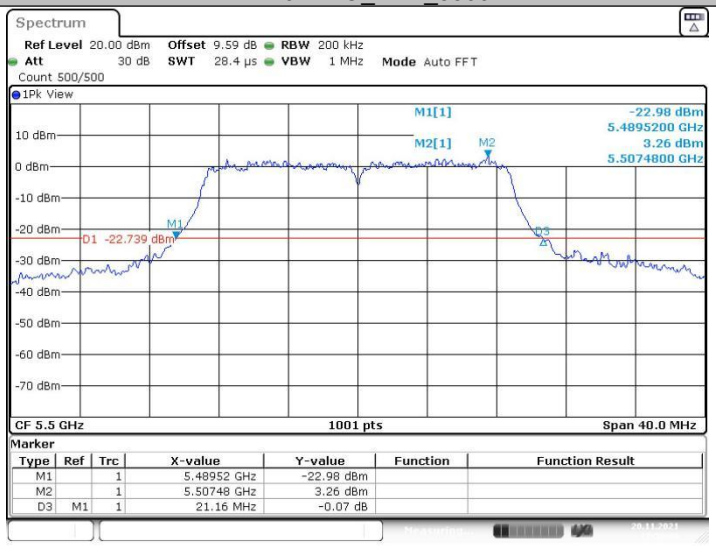
11N20MIMO_Ant1_5320




11N20MIMO_Ant2_5320



11N20MIMO_Ant1_5500

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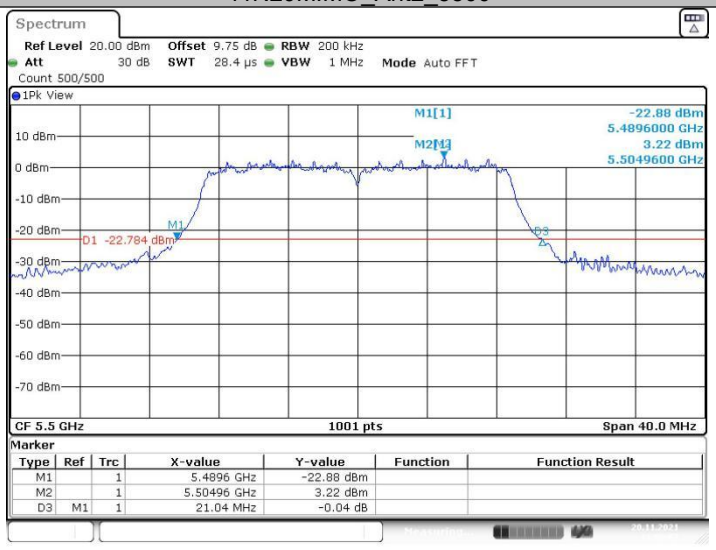
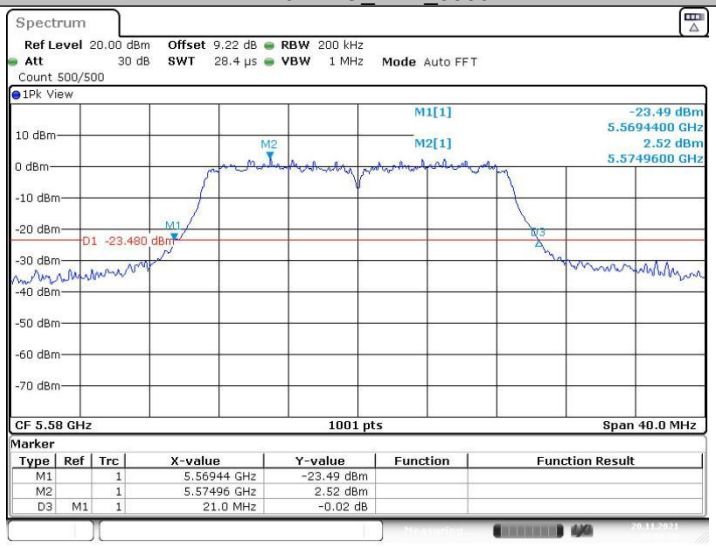
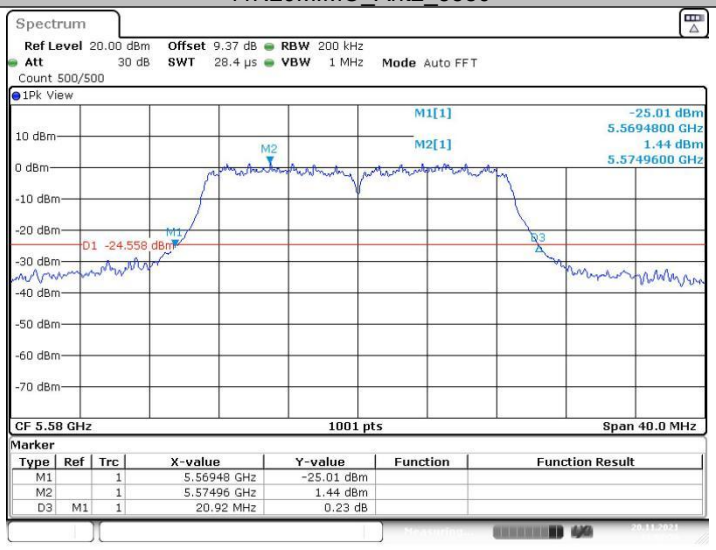


11N20MIMO_Ant1_5580




11N20MIMO_Ant2_5580



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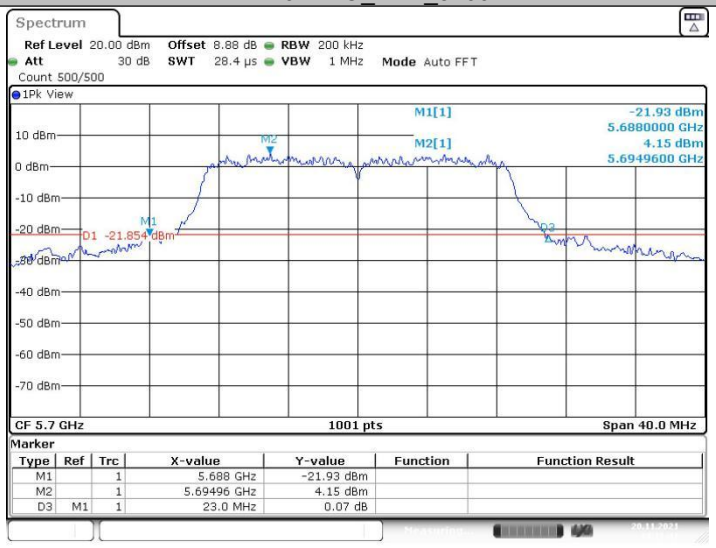


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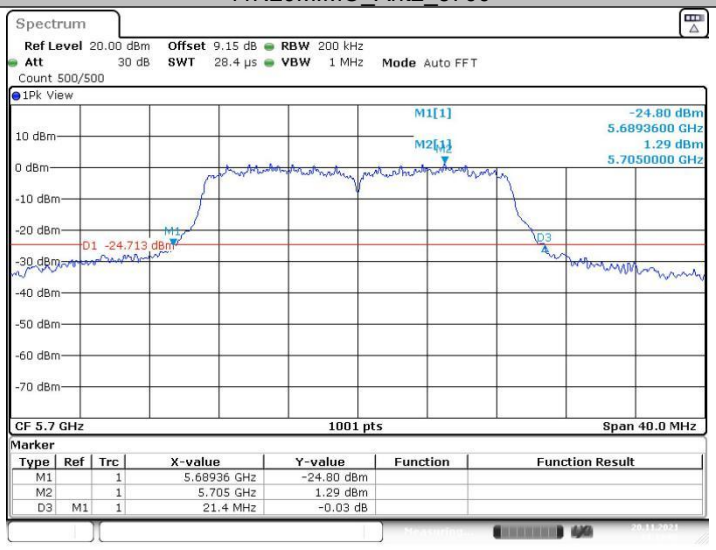
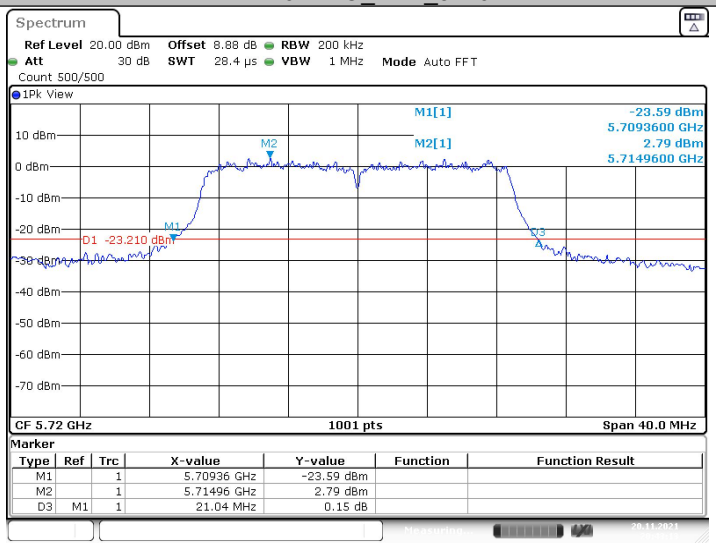
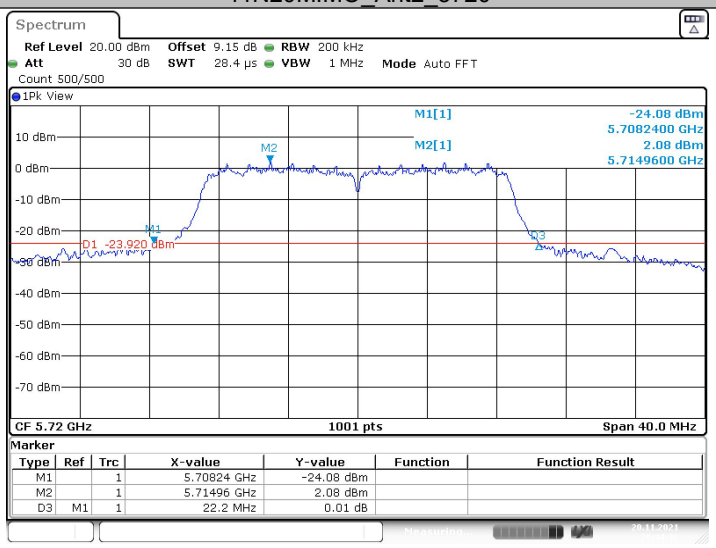


11N20MIMO_Ant1_5720



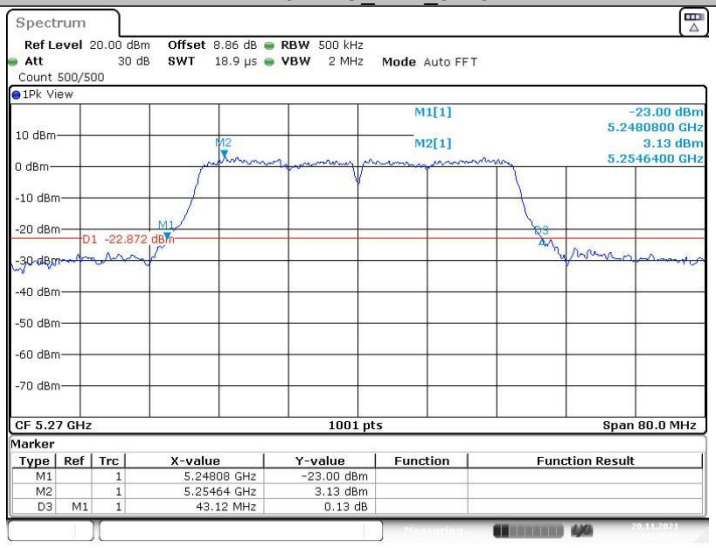

Date: 20.NOV.2021 20:43:13

11N20MIMO_Ant2_5720

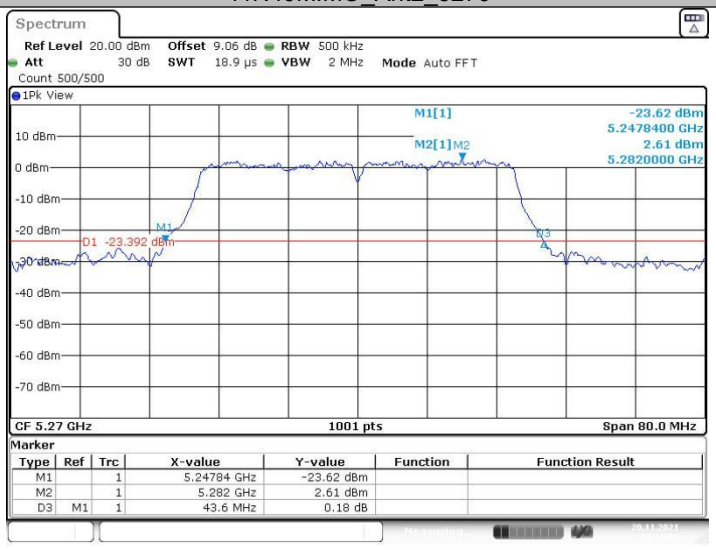



Date: 20.NOV.2021 20:44:32

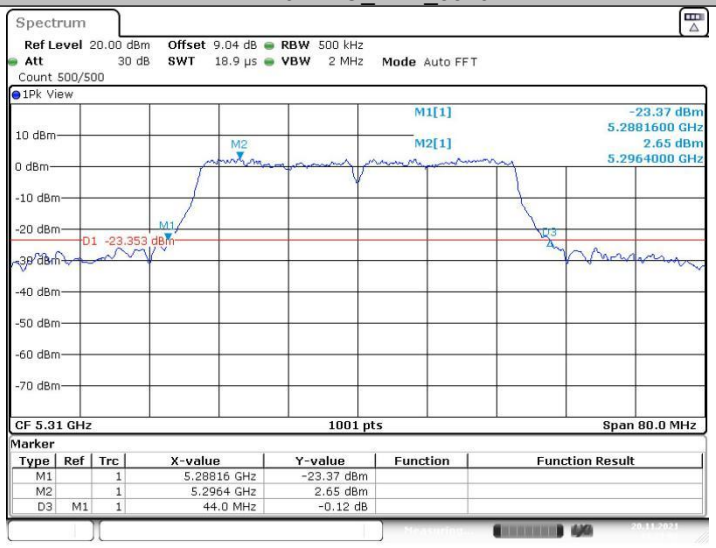
11N40MIMO_Ant1_5270




11N40MIMO_Ant2_5270

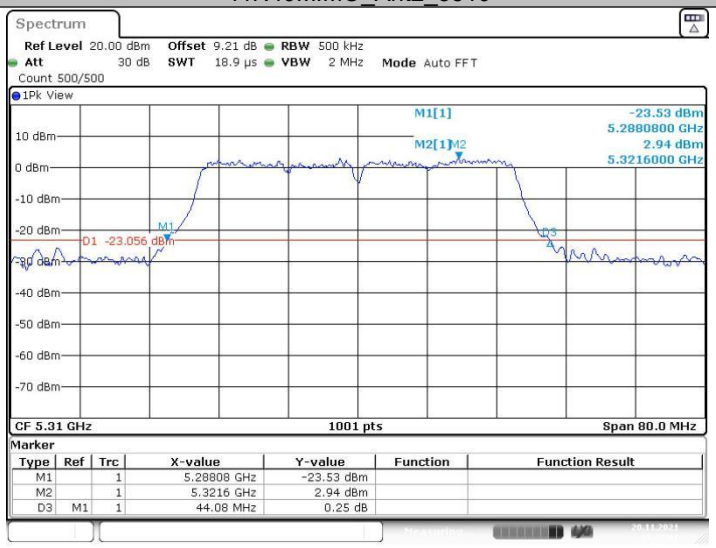


11N40MIMO_Ant1_5310



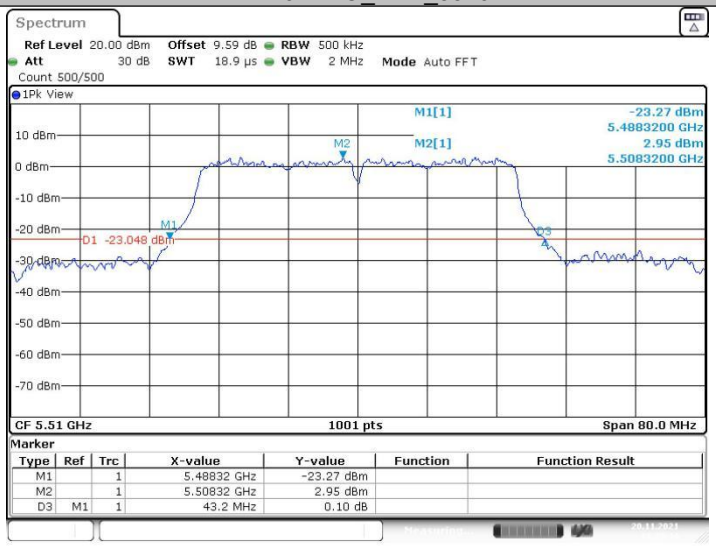

Date: 20.NOV.2021 14:21:08

11N40MIMO_Ant2_5310



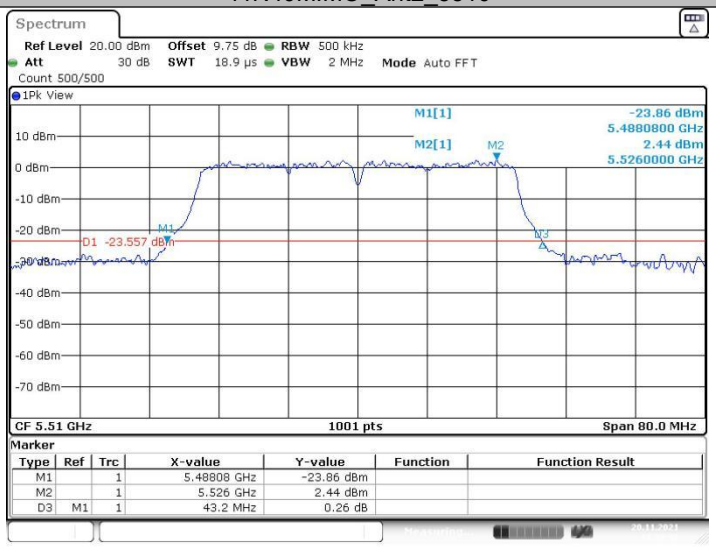

Date: 20.NOV.2021 14:22:42

11N40MIMO_Ant1_5510



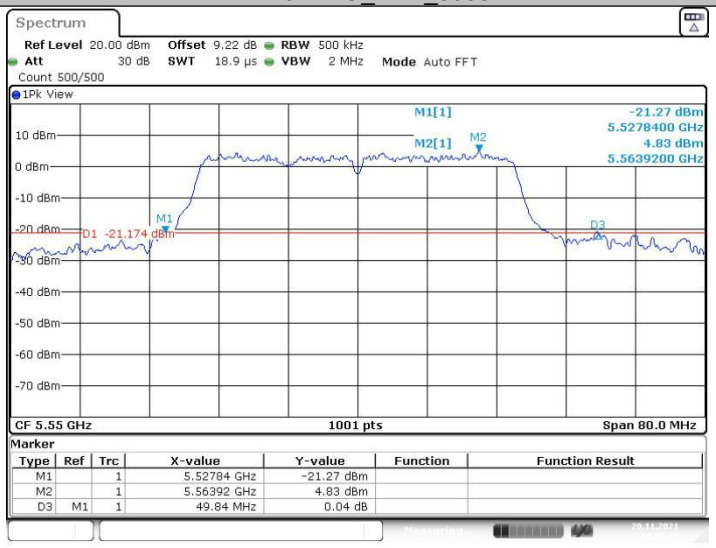

Date: 20.NOV.2021 14:29:14

11N40MIMO_Ant2_5510



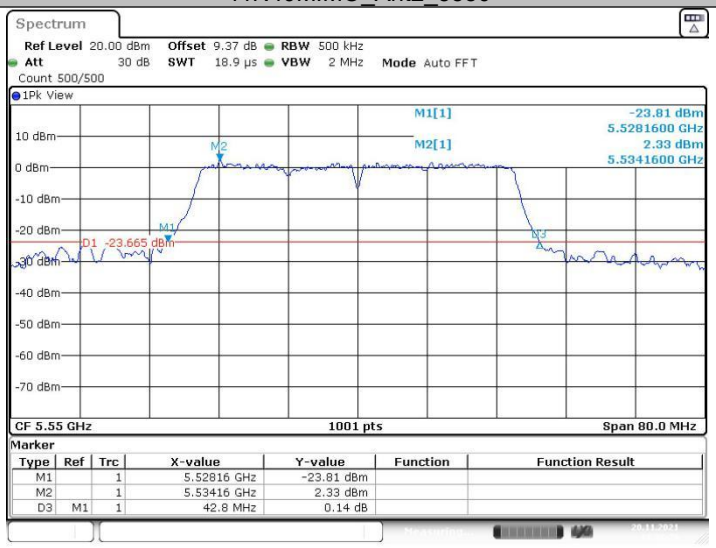

Date: 20.NOV.2021 14:30:33

11N40MIMO_Ant1_5550



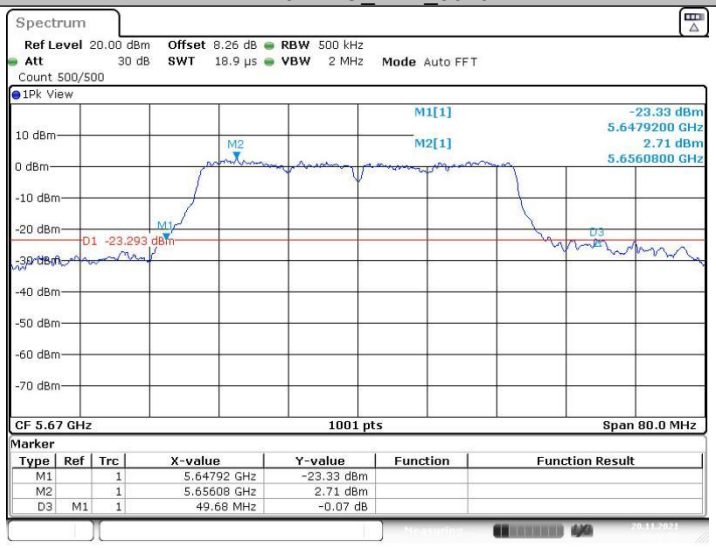

Date: 20.NOV.2021 14:37:15

11N40MIMO_Ant2_5550

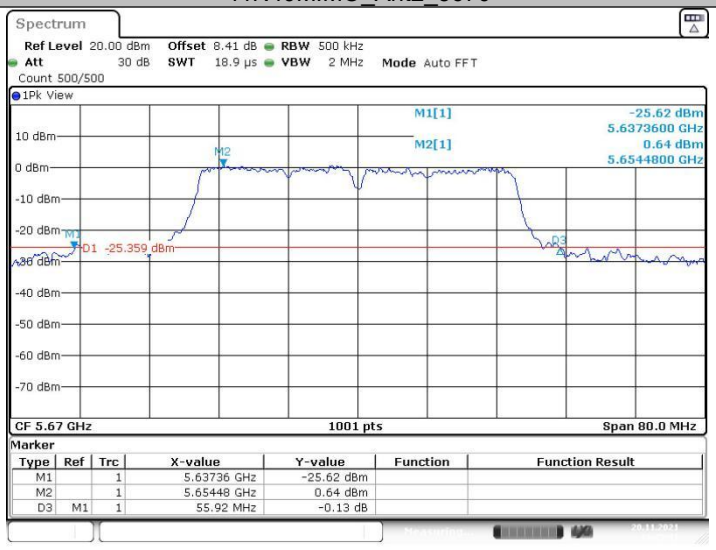



Date: 20.NOV.2021 14:38:23

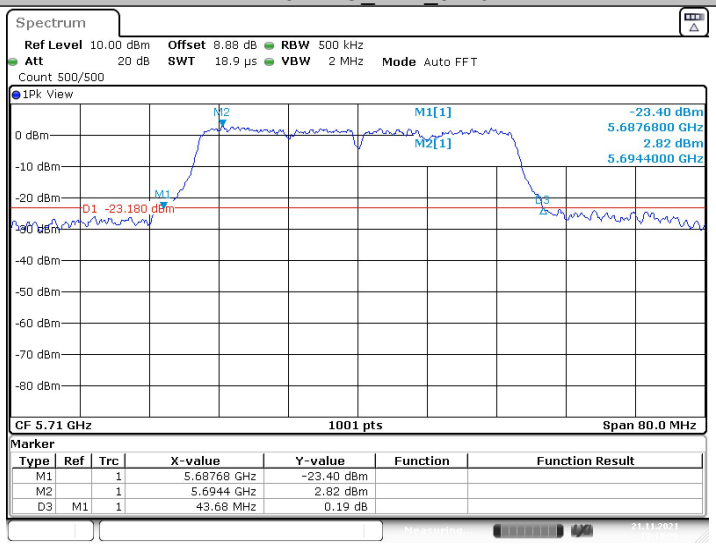
11N40MIMO_Ant1_5670



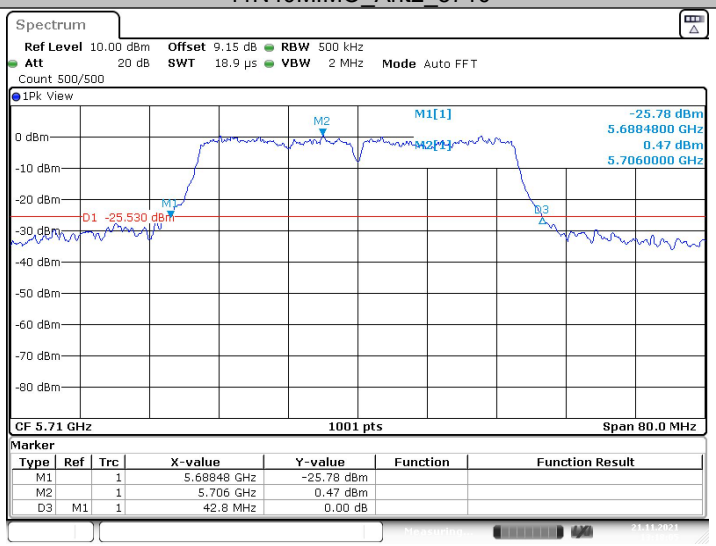

11N40MIMO_Ant2_5670



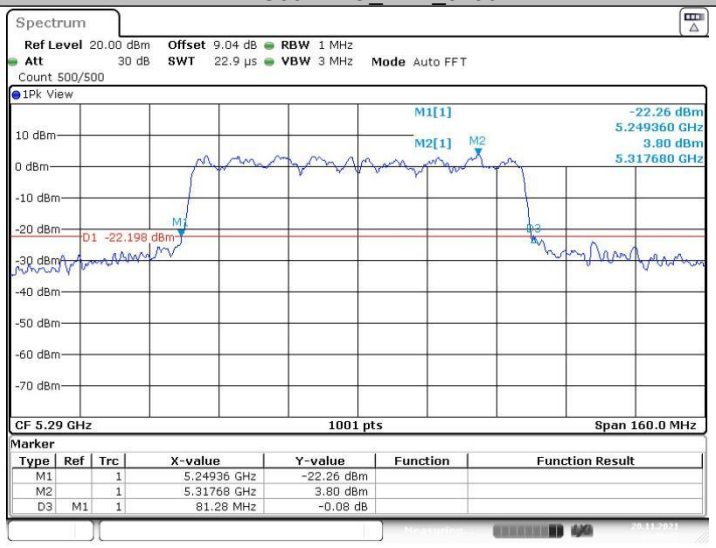
11N40MIMO_Ant1_5710




11N40MIMO_Ant2_5710

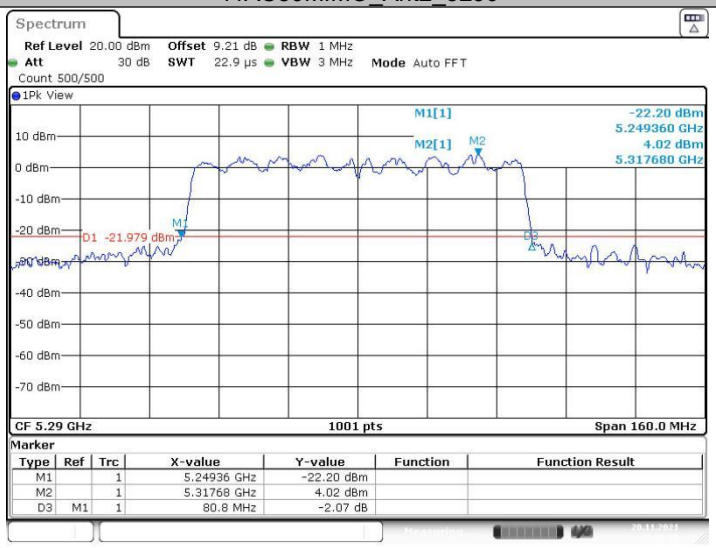


11AC80MIMO_Ant1_5290




Date: 20.NOV.2021 14:48:47

11AC80MIMO_Ant2_5290




Date: 20.NOV.2021 14:50:35

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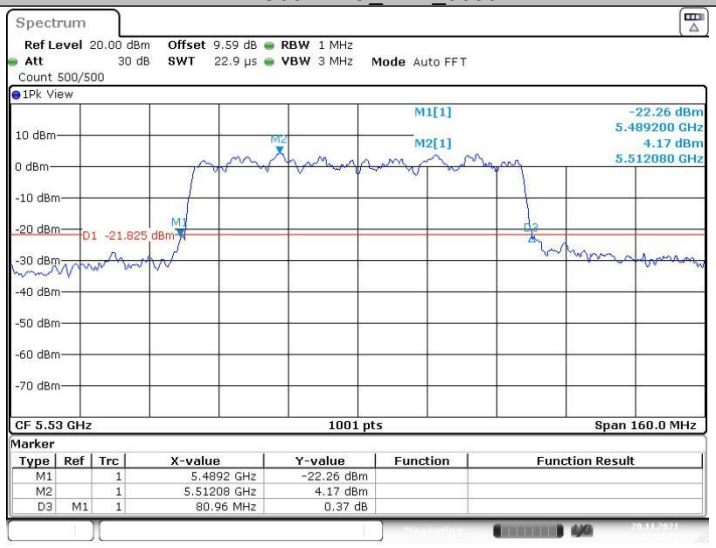
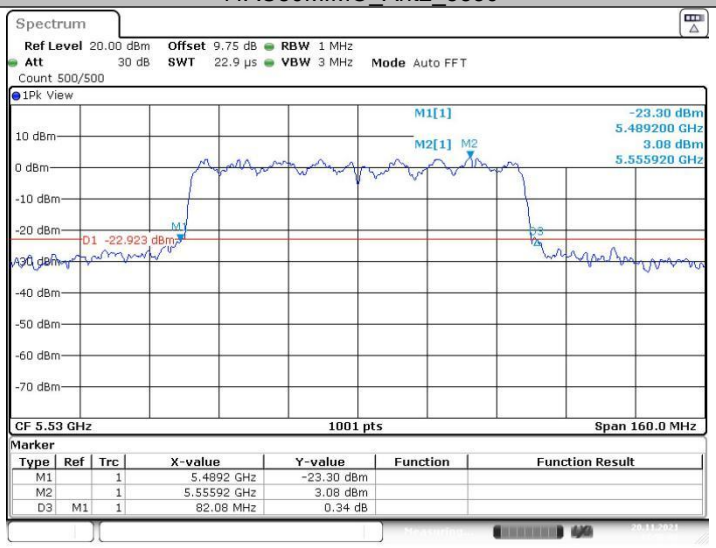


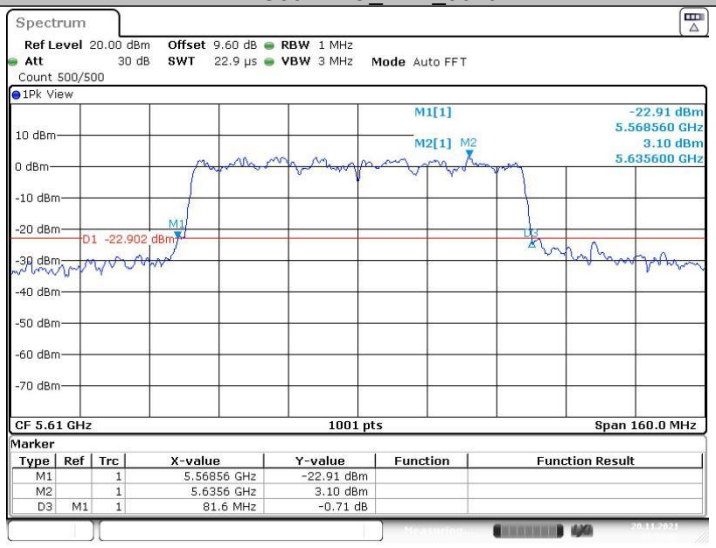

Date: 20.NOV.2021 14:54:33

11AC80MIMO_Ant2_5530

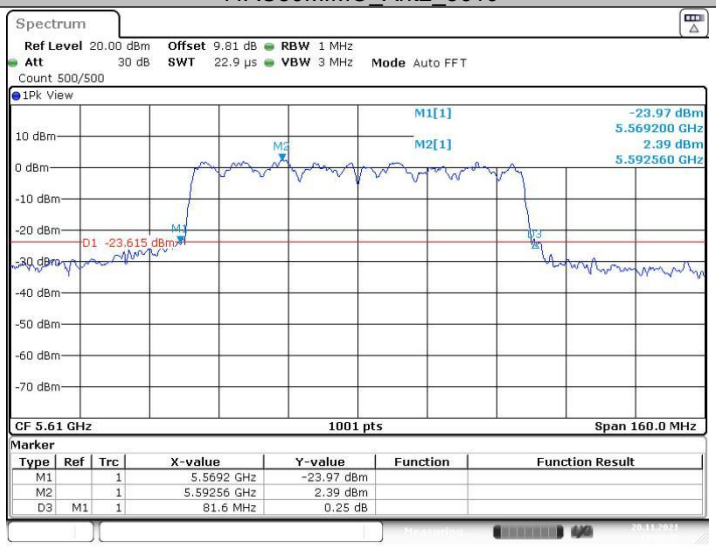



Date: 20.NOV.2021 14:56:32

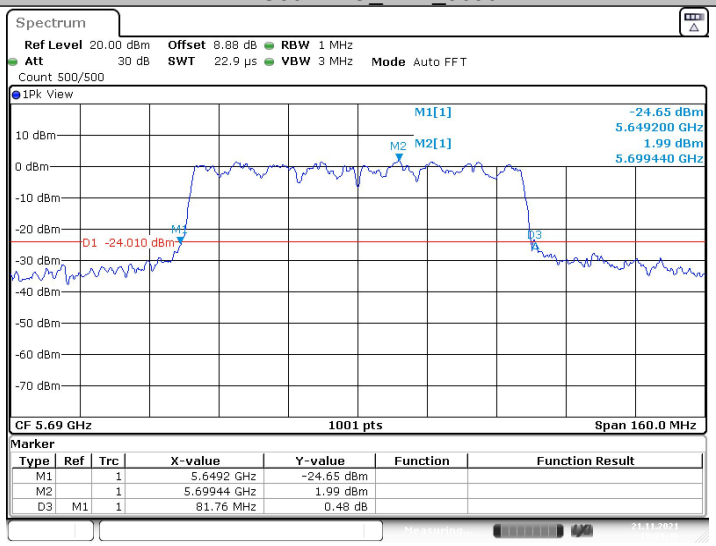
11AC80MIMO_Ant1_5610




11AC80MIMO_Ant2_5610

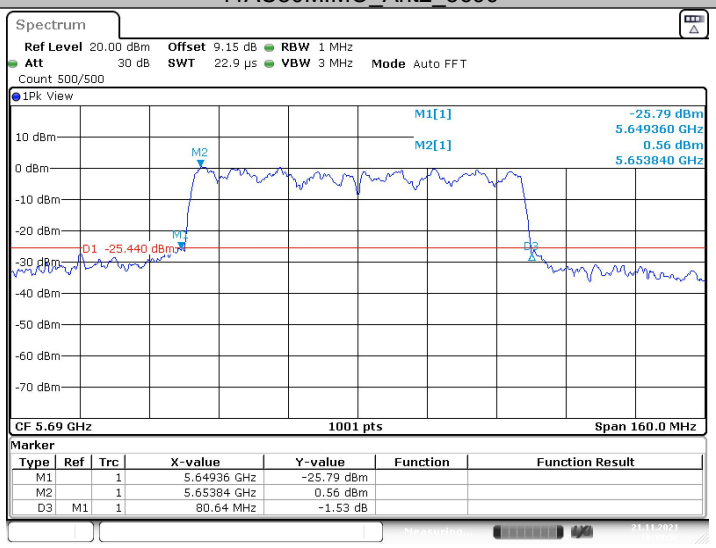


11AC80MIMO_Ant1_5690




Date: 21.NOV.2021 10:33:41

11AC80MIMO_Ant2_5690




Date: 21.NOV.2021 10:39:53

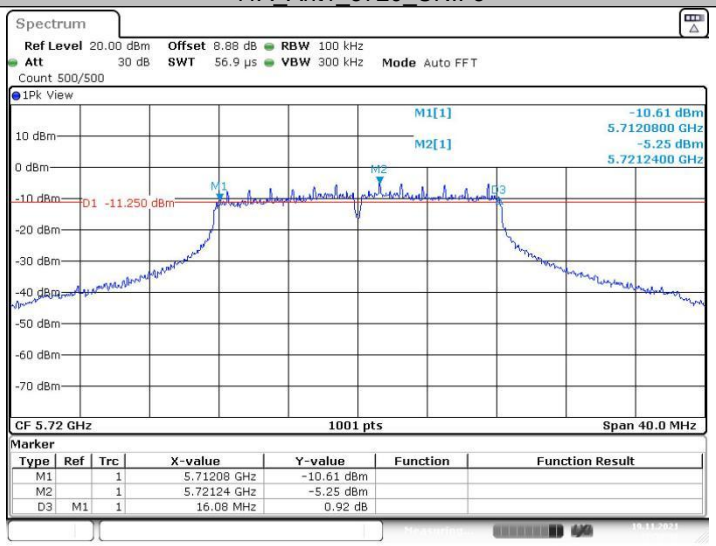
## 5.2 Appendix B: 6DB EMISSION BANDWIDTH

### 5.2.1 Test Result

| TestMode | Antenna | Channel | 6db EBW [MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|
| 11A | Ant1 | 5720_UNII-3 | 3.16 | 0.5 | PASS |
| | Ant2 | 5720_UNII-3 | 2.88 | 0.5 | PASS |
| 11N20MIMO | Ant1 | 5720_UNII-3 | 3.80 | 0.5 | PASS |
| | Ant2 | 5720_UNII-3 | 3.52 | 0.5 | PASS |
| 11N40MIMO | Ant1 | 5710_UNII-3 | 2.52 | 0.5 | PASS |
| | Ant2 | 5710_UNII-3 | 2.52 | 0.5 | PASS |
| 11AC80MIMO | Ant1 | 5690_UNII-3 | 2.60 | 0.5 | PASS |
| | Ant2 | 5690_UNII-3 | 3.24 | 0.5 | PASS |

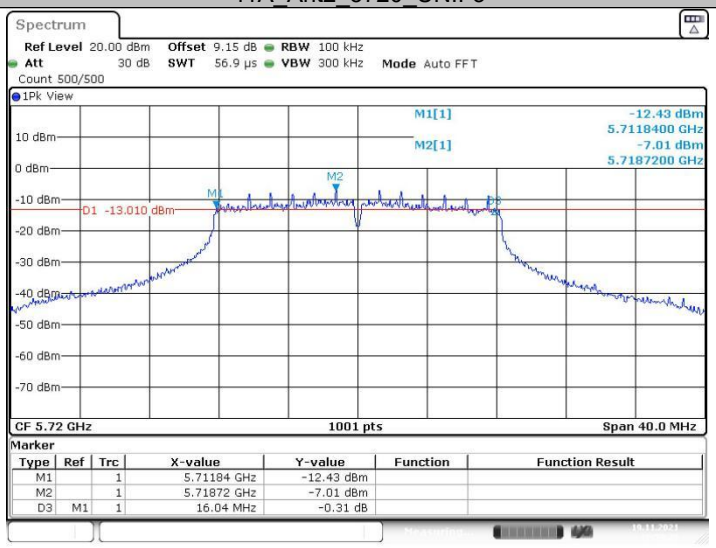
### 5.2.2 Test Graphs

11A_Ant1_5720_UNII-3



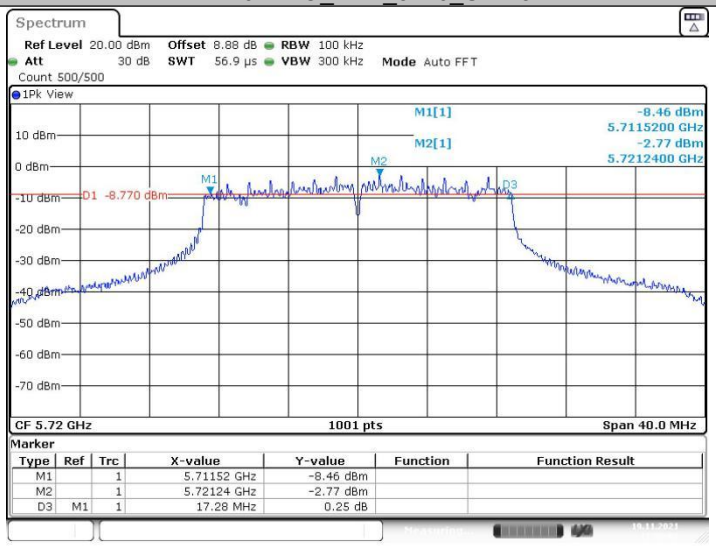

Date: 19.NOV.2021 10:58:32

11A_Ant2_5720_UNII-3

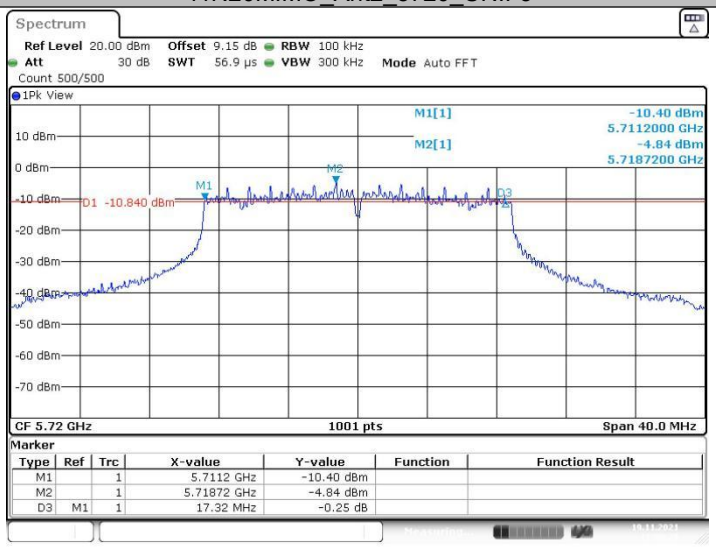



Date: 19.NOV.2021 10:59:29

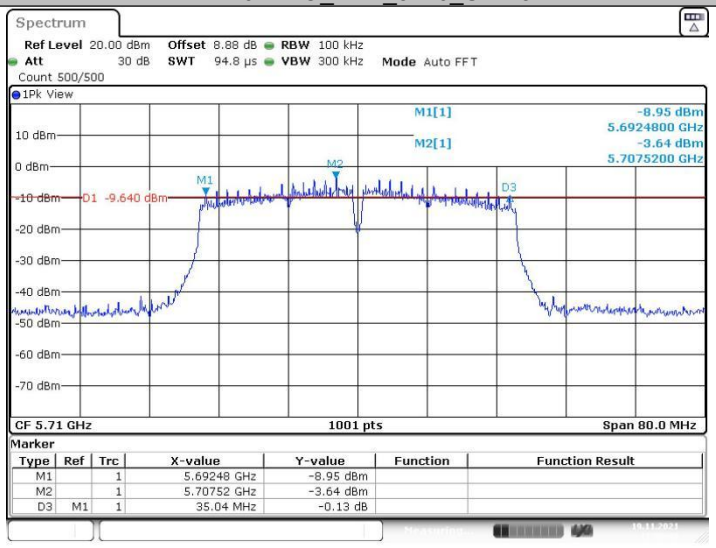
11N20MIMO_Ant1_5720_UNII-3



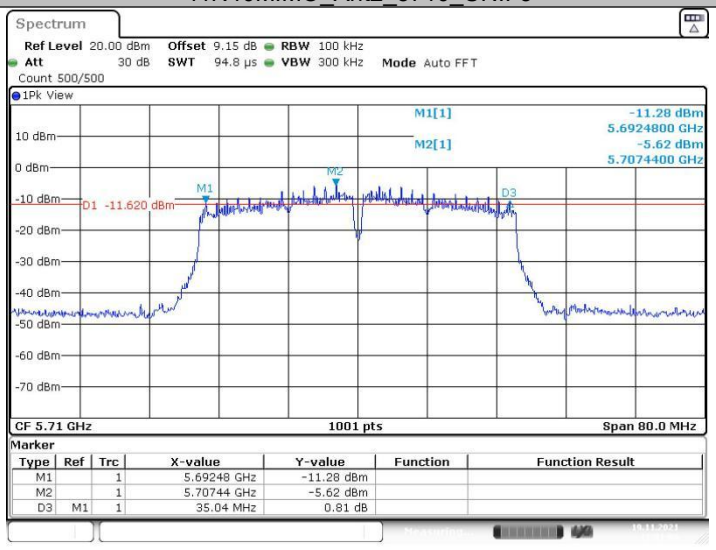

11N20MIMO_Ant2_5720_UNII-3



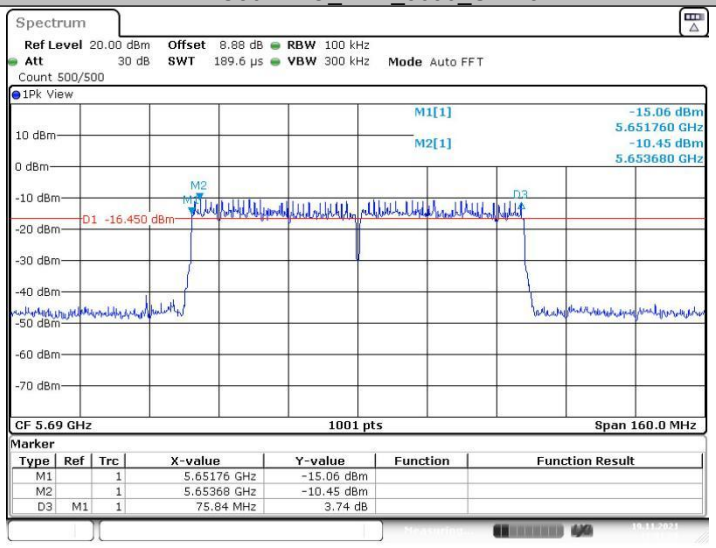
11N40MIMO_Ant1_5710_UNII-3




11N40MIMO_Ant2_5710_UNII-3



11AC80MIMO_Ant1_5690_UNII-3




11AC80MIMO_Ant2_5690_UNII-3