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## 1 Version

### Revision History Of Report

| Report No.           | Version | Description    | Issue Date |
|----------------------|---------|----------------|------------|
| CQASZ20231202343E-04 | Rev.01  | Initial report | 2024-06-07 |

## 2 Test Summary

| Test Item   | Test Requirement                                      | Test method                    | Result |
|---|---|--------------------------------|--------|
| Antenna Requirement                                     | 47 CFR Part 15 Subpart C<br>Section 15.203            | ANSI C63.10-2013;<br>KDB789033 | PASS   |
| AC Power Line Conducted Emission                        | 47 CFR Part 15 Subpart E<br>Section 15.207            | ANSI C63.10-2013;<br>KDB789033 | PASS   |
| Maximum Conducted Output Power                          | 47 CFR Part 15 Subpart C<br>Section 15.407 (a)        | ANSI C63.10-2013;<br>KDB789033 | PASS   |
| Emission Bandwidth                                      | 47 CFR Part 15 Subpart C<br>Section 15.407 (a)(e)     | ANSI C63.10-2013;<br>KDB789033 | PASS   |
| Maximum Power Spectral Density                          | 47 CFR Part 15 Subpart E<br>Section 15.407 (a)        | ANSI C63.10-2013;<br>KDB789033 | PASS   |
| Band Edge Measurements                                  | 47 CFR Part 15 Subpart C<br>Section 15.209 &15.407(b) | ANSI C63.10-2013;<br>KDB789033 | PASS   |
| Frequency stability                                     | 47 CFR Part 15 Subpart E<br>Section 15.407 (g)        | ANSI C63.10-2013;<br>KDB789033 | PASS   |
| Operation in the absence of information to the transmit | 47 CFR Part 15 Subpart E<br>Section 15.407 (c)        | 47 CFR Part 15 Subpart E       | PASS   |
| Radiated Spurious Emissions                             | 47 CFR Part 15 Subpart E<br>Section 15.407 (b)        | ANSI C63.10-2013;<br>KDB789033 | PASS   |

Remark:

The tested sample(s) and the sample information are provided by the client.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application

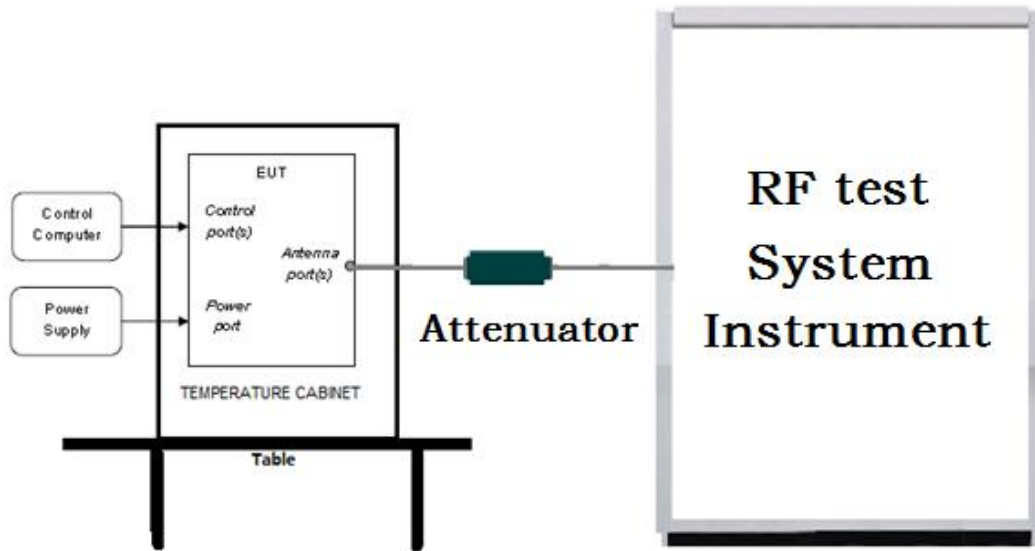
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## 4 Test Requirement

### 4.1 Test setup

#### 4.1.1 For Conducted test setup



#### 4.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

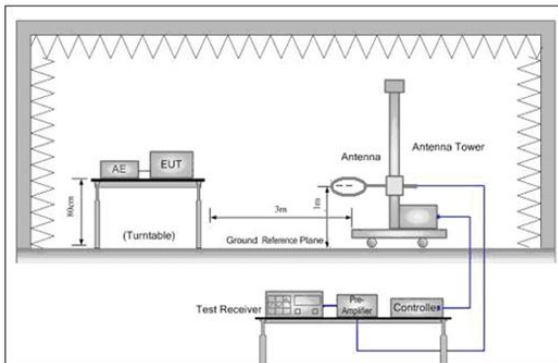


Figure 1. Below 30MHz

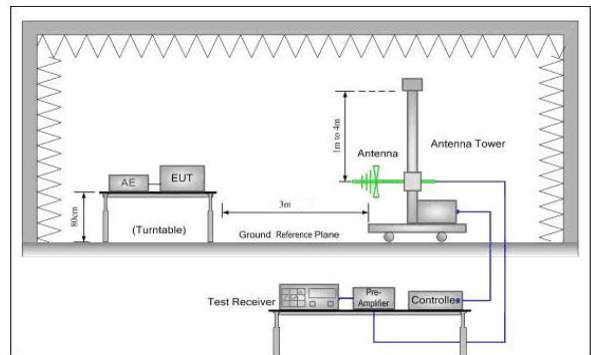


Figure 2. 30MHz to 1GHz

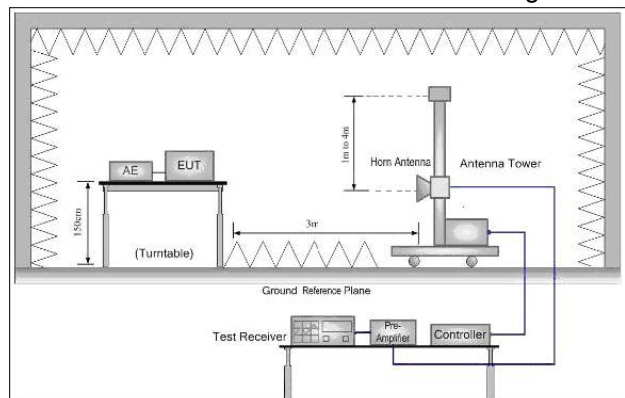
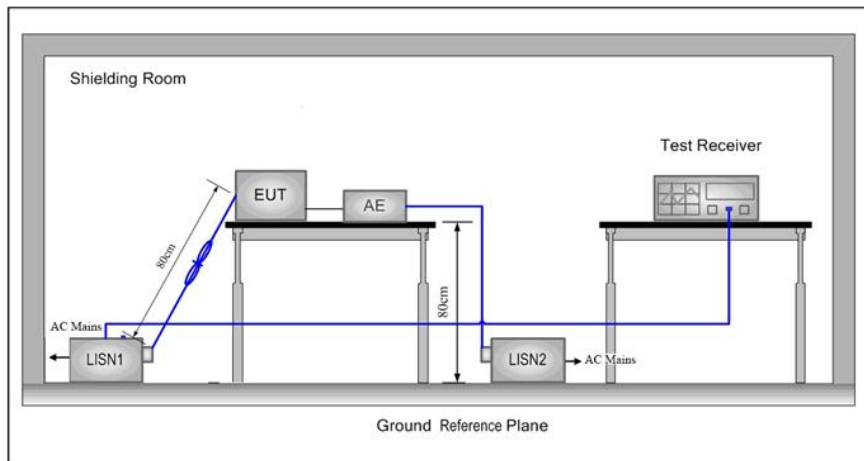


Figure 3. Above 1GHz

### 4.1.3 For Conducted Emissions test setup

#### Conducted Emissions setup



## 4.2 Test Environment

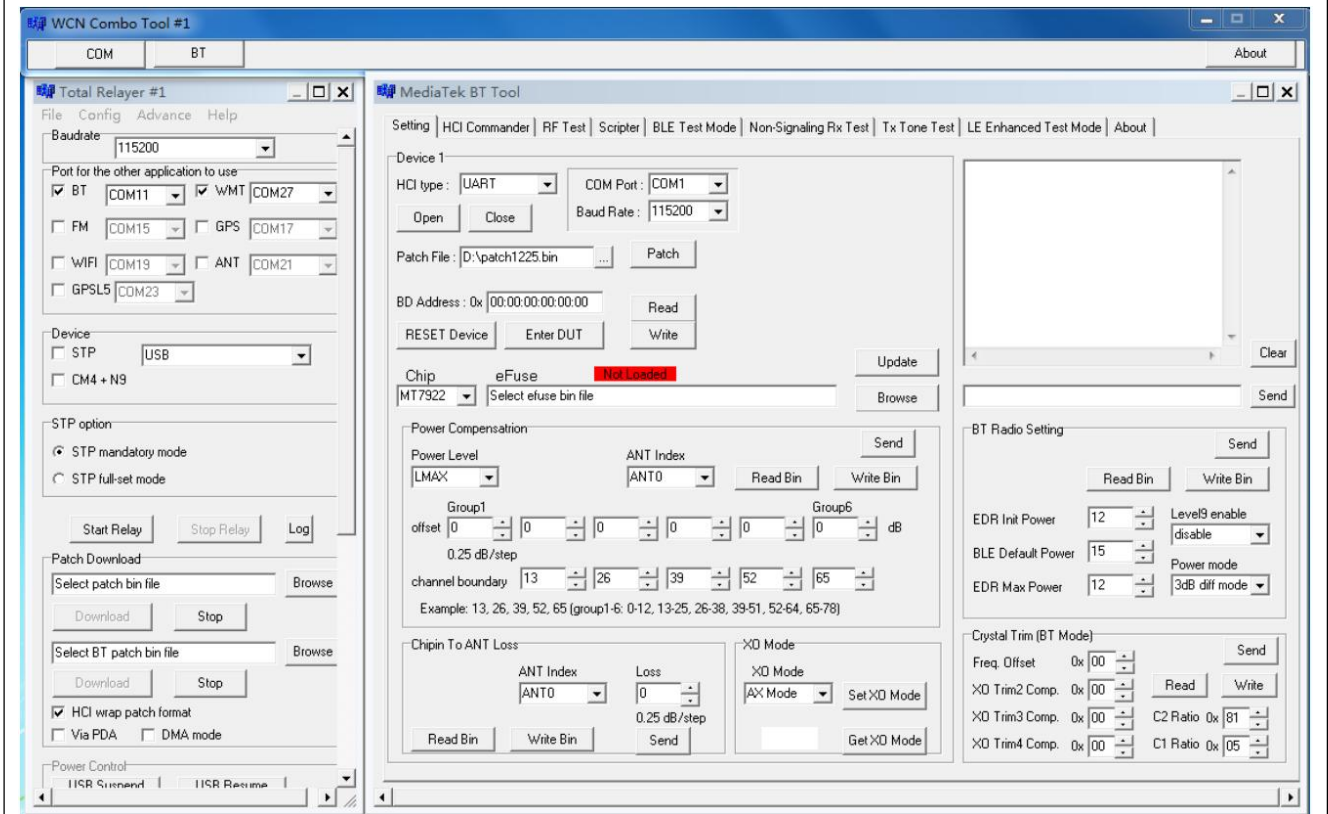
|  |                  |             |
|--|------------------|-------------|
| <b>Operating Environment:</b>  |                  |             |
| <b>Conducted Emissions:</b>  |                  |             |
| Temperature:   | 25.6 °C          |             |
| Humidity:  | 60 % RH          |             |
| Atmospheric Pressure:  | 1009 mbar        |             |
| <b>Radiated Emissions:</b>   |                  |             |
| Temperature:   | 25.5 °C          |             |
| Humidity:  | 54 % RH          |             |
| Atmospheric Pressure:  | 1009mbar         |             |
| <b>Radio conducted item test (RF Conducted test room):</b>   |                  |             |
| Temperature:   | 25.3 °C          |             |
| Humidity:  | 50 % RH          |             |
| Atmospheric Pressure:  | 1009 mbar        |             |
| Test Condition   | Temperature (°C) | Voltage (V) |
| TN/VN  | +15 to +35       | 7.6         |
| TL/VL  | 0                | 6.84        |
| TH/VL  | 50               | 6.84        |
| TL/VH  | 0                | 8.36        |
| TH/VH  | 50               | 8.36        |
| Remark:  |                  |             |
| 1)The EUT just work in such extreme temperature of 0 °C to 50 °C and the extreme voltage of 6.84V to 8.36V, so here the EUT is tested in the temperature of 0 °C to 50 °C and the voltage of 6.84V to 8.36V. |                  |             |
| 2)VN: Normal Voltage; TN: Normal Temperature;  |                  |             |
| TL: Low Extreme Test Temperature; TH: High Extreme Test Temperature;   |                  |             |
| VL: Low Extreme Test Voltage; VH: High Extreme Test Voltage.   |                  |             |

### 4.3 Test Condition

Test channel:

| Test Mode            | Tx/Rx             | RF Channel  |             |             |
|----------------------|-------------------|-------------|-------------|-------------|
|                      |                   | Low(L)      | Middle(M)   | High(H)     |
| 802.11a/n/ac/ax(20M) | 5150MHz ~5250 MHz | Channel 36  | Channel 40  | Channel 48  |
|                      |                   | 5180MHz     | 5200MHz     | 5240MHz     |
| 802.11n/ac/ax(40M)   | 5150MHz ~5250 MHz | Channel 38  | N/A         | Channel 46  |
|                      |                   | 5190MHz     | N/A         | 5230MHz     |
| 802.11ac/ax(80M)     | 5150MHz ~5250 MHz | N/A         | Channel 42  | N/A         |
|                      |                   | N/A         | 5210MHz     | N/A         |
| 802.11a/n/ac/ax(20M) | 5725MHz ~5850 MHz | Channel 149 | Channel 157 | Channel 165 |
|                      |                   | 5745MHz     | 5785MHz     | 5825MHz     |
| 802.11n/ac/ax(40M)   | 5725MHz ~5850 MHz | Channel 151 | N/A         | Channel 159 |
|                      |                   | 5755MHz     | N/A         | 5795MHz     |
| 802.11ac/ax(80M)     | 5725MHz ~5850 MHz | N/A         | Channel 155 | N/A         |
|                      |                   | N/A         | 5775MHz     | N/A         |

**Run Software:**



**Test mode:**

**Pre-scan under all rate at lowest channel for Ant1 and Ant2**

Through Pre-scan, 6Mbps is the worst case of 802.11a (20M); MCS0 is the worst case of 802.11n (20M); MCS0 is the worst case of 802.11ac (20M); MCS0 is the worst case of 802.11n(40M); MCS0 is the worst case of 802.11ac (40M); MCS0 is the worst case of 802.11ac(80M).



## 5 General Information

### 5.1 Client Information

|                          |   |
|--------------------------|---|
| Applicant:               | Shenzhen Jiteng Network Technology Co., Ltd   |
| Address of Applicant:    | Floor 7, Building B, Boton Science and Technology Park, Chaguang Road, Xili Street Nanshan District, Shenzhen,China |
| Manufacturer:            | Shenzhen Jiteng Network Technology Co., Ltd   |
| Address of Manufacturer: | Floor 7, Building B, Boton Science and Technology Park, Chaguang Road, Xili Street Nanshan District, Shenzhen,China |
| Factory:                 | China Greatwall Technology Group Co., Ltd. Shiyang Branch   |
| Address of Factory:      | Great-Wall Computer Industry Park, Baoshi East Rd. Shiyang County, Baoan, Shenzhen, P.R.China                       |

### 5.2 General Description of EUT

|                   |  |
|-------------------|--|
| Product Name:     | Mini PC  |
| Model No.:        | XT13 Pro, XT***Pro, XT***Max, AX***, AX***Pro, AX***Max, AE***, AE***Pro, AE***Max, GT***, GT***Max, GT***Pro, XU***, XU***Pro, XU***Max, AG***Pro, AG***Max, GT***Ultra, GT***Mega, U***Ultra, U***Mega, XT***Ultra, XT***Mega, IT***Ultra, IT***Mega (*Representing numbers 0-9, letters A-Z, a-z, "-" or spaces)  |
| Test Model No.:   | XT13 Pro   |
| Trade Mark:       | GEEKOM, geeknuc  |
| Software Version: | Windows 11   |
| Hardware Version: | NUCAL02_MB_V30   |
| EUT Power Supply: | Power supply adapter   |
|                   | <p>1#</p> <p>Model No.:BSY120T1906323D</p> <p>Input:100-240V~50/60Hz 2.5A</p> <p>Output:19V 6.32A 120W</p> <p>2#</p> <p>Model No.:hyleton-120W1906320</p> <p>Input:100-240V~50/60Hz 1.4A</p> <p>Output:19V 6.32A 120W</p> <p>3#</p> <p>Model No.:J130-190006320DMI</p> <p>Input:100-240V~50/60Hz 2.5A</p> <p>Output:19V 6.32A 120.08W</p> <p>4#</p> <p>Model No.:MSS-Z6320WR190-120C0-E</p> <p>Input:100-240V~50/60Hz 2.0A</p> <p>Output:19V 6.32A</p> |

|                                  |  |
|----------------------------------|--|
|                                  | 5#<br>Model No.:FSP120-ABBU3<br>Input:100-240V~50/60Hz 1.4A<br>Output:19V 6.32A 120W |
| EUT Supports Radios application: | 5GHz: Wi-Fi: U-NII-1: 5.15-5.25GHz; U-NII-3: 5.725-5.850GHz                          |
| EUT Type:                        | Client devices   |

### 5.3 Product Specification subjective to this standard

|                       |  |
|-----------------------|--|
| Operation Frequency:  | IEEE 802.11a/n/ac/ax(20M): 5150MHz ~5250 MHz<br>IEEE802.11n/ac/ax(40M): 5150MHz ~5250 MHz<br>IEEE802.11ac/ax(80M): 5150MHz ~5250 MHz<br>IEEE 802.11a/n/ac/ax(20M): 5725MHz ~5850 MHz<br>IEEE802.11n/ac/ax(40M): 5725MHz ~5850 MHz<br>IEEE802.11ac/ax(80M): 5725MHz ~5850 MHz   |
| Channel Numbers:      | IEEE 802.11a/n/ac/ax(20M): 5150MHz ~5250MHz/ 4 channel<br>IEEE 802.11n/ac/ax(40M): 5150MHz ~5250MHz/ 2 channel<br>IEEE 802.11ac/ax(80M): 5150MHz ~5250MHz/ 1 channel<br>IEEE 802.11a/n/ac/ax(20M): 5725MHz ~5850MHz/ 5 channel<br>IEEE 802.11n/ac/ax(40M): 5725MHz ~5850MHz/ 2 channel<br>IEEE 802.11ac/ax(80M): 5725MHz ~5850MHz/ 1 channel |
| Type of Modulation:   | OFDM   |
| Sample Type:          | <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> Portable   |
| Test Software of EUT: | RF Test  |
| Antenna Type:         | PIFA antenna   |
| Antenna gain:         | Ant1:2.06dBi@5GHz: Wi-Fi: U-NII-1, 3.38dBi@5GHz: Wi-Fi: U-NII-3<br>Ant2:3dBi@5GHz: Wi-Fi: U-NII-1, 3dBi@5GHz: Wi-Fi: U-NII-3<br>Ant1+Ant2:<br>5.55dBi@5GHz: Wi-Fi: U-NII-1, 6.2dBi@5GHz: Wi-Fi: U-NII-3  |
| Cable loss:           | 1.0 dB   |

Operation Frequency each of channel

| For 802.11a/n/ac/ax( 20M) Operation in the 5150MHz ~5250 MHz band |           |         |           |
|---|-----------|---------|-----------|
| Channel   | Frequency | Channel | Frequency |
| 36  | 5180MHz   | 44      | 5220MHz   |
| 40  | 5200MHz   | 48      | 5240MHz   |
| For 802.11a/n/ac/ax( 20M) Operation in the 5725MHz ~5850 MHz band |           |         |           |
| Channel   | Frequency | Channel | Frequency |
| 149   | 5745MHz   | 161     | 5805MHz   |
| 153   | 5765MHz   | 165     | 5825MHz   |
| 157   | 5785MHz   | NA      | NA        |

| For 802.11n/ac/ax(40M) Operation in the 5150MHz ~5250 MHz band |           |         |           |
|--|-----------|---------|-----------|
| Channel  | Frequency | Channel | Frequency |
| 38   | 5190MHz   | 46      | 5230MHz   |
| For 802.11n/ac/ax(40M) Operation in the 5725MHz ~5850 MHz band |           |         |           |
| Channel  | Frequency | Channel | Frequency |
| 151  | 5755MHz   | 159     | 5795MHz   |

| For 802.11ac/ax(80M) Operation in the 5150MHz ~5250 MHz band |           |         |           |
|--|-----------|---------|-----------|
| Channel  | Frequency | Channel | Frequency |
| 42   | 5210MHz   | NA      | NA        |
| For 802.11ac/ax(80M) Operation in the 5725MHz ~5850 MHz band |           |         |           |
| Channel  | Frequency | Channel | Frequency |
| 155  | 5775MHz   | NA      | NA        |

## 5.4 Description of Support Units

The EUT has been tested with associated equipment below.

| Description | Manufacturer | Model No. | Certification | Supplied by |
|-------------|--------------|-----------|---------------|-------------|
| /           | /            | /         | /             | /           |

## 5.5 Test Location

All tests were performed at:

**Shenzhen Huaxia Testing Technology Co., Ltd.**

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua New District, Shenzhen, Guangdong, China

## 5.6 Test Facility

• **A2LA (Certificate No. 4742.01)**

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• **FCC Registration No.: 522263**

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

## 5.7 Deviation from Standards

None.

## 5.8 Abnormalities from Standard Conditions

None.

## 5.9 Other Information Requested by the Customer

None.

## 5.10 Measurement Uncertainty (95% confidence levels, k=2)

| No. | Item                            | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1   | Radio Frequency                 | $3 \times 10^{-8}$      |
| 2   | RF power, conducted             | 0.86dB                  |
| 3   | Radiated Spurious emission test | 5.12dB (Below 1GHz)     |
|     |                                 | 4.6dB (Above 1GHz)      |
| 4   | Conduction emission             | 3.5dB (9kHz to 150kHz)  |
|     |                                 | 3.1dB (150kHz to 30MHz) |
| 5   | Temperature test                | 0.8°C                   |
| 6   | Humidity test                   | 2.0%                    |
| 7   | DC power voltages               | 0.5%                    |

## 6 Equipment List

| Test Equipment                            | Manufacturer | Model No.              | Instrument No. | Calibration Date | Calibration Due Date |
|---|--------------|------------------------|----------------|------------------|----------------------|
| EMI Test Receiver                         | R&S          | ESR7                   | CQA-005        | 2023/09/08       | 2024/09/07           |
| Spectrum analyzer                         | R&S          | FSU26                  | CQA-038        | 2023/09/08       | 2024/09/07           |
| Spectrum analyzer                         | R&S          | FSU40                  | CQA-075        | 2023/09/08       | 2024/09/07           |
| Preamplifier                              | MITEQ        | AFS4-00010300-18-10P-4 | CQA-035        | 2023/09/08       | 2024/09/07           |
| Preamplifier                              | MITEQ        | AMF-6D-02001800-29-20P | CQA-036        | 2023/09/08       | 2024/09/07           |
| Preamplifier                              | EMCI         | EMC184055SE            | CQA-089        | 2023/09/08       | 2024/09/07           |
| Loop antenna                              | Schwarzbeck  | FMZB1516               | CQA-060        | 2021/09/16       | 2024/09/15           |
| Bilog Antenna                             | R&S          | HL562                  | CQA-011        | 2021/09/16       | 2024/09/15           |
| Horn Antenna                              | R&S          | HF906                  | CQA-012        | 2021/09/16       | 2024/09/15           |
| Horn Antenna                              | Schwarzbeck  | BBHA 9170              | CQA-088        | 2021/09/16       | 2024/09/15           |
| Coaxial Cable (Above 1GHz)                | CQA          | N/A                    | C007           | 2023/09/08       | 2024/09/07           |
| Coaxial Cable (Below 1GHz)                | CQA          | N/A                    | C013           | 2023/09/08       | 2024/09/07           |
| RF cable(9KHz~40GHz)                      | CQA          | RF-01                  | CQA-079        | 2023/09/08       | 2024/09/07           |
| Antenna Connector                         | CQA          | RFC-01                 | CQA-080        | 2023/09/08       | 2024/09/07           |
| Power Sensor                              | KEYSIGHT     | U2021XA                | CQA-30         | 2023/09/08       | 2024/09/07           |
| N1918A Power Analysis Manager Power Panel | Agilent      | N1918A                 | CQA-074        | 2023/09/08       | 2024/09/07           |
| Power meter                               | R&S          | NRVD                   | CQA-029        | 2023/09/08       | 2024/09/07           |
| Power divider                             | MIDWEST      | PWD-2533-02-SMA-79     | CQA-067        | 2023/09/08       | 2024/09/07           |
| EMI Test Receiver                         | R&S          | ESR7                   | CQA-005        | 2023/09/08       | 2024/09/07           |
| LISN                                      | R&S          | ENV216                 | CQA-003        | 2023/09/08       | 2024/09/07           |
| Coaxial cable                             | CQA          | N/A                    | CQA-C009       | 2023/09/08       | 2024/09/07           |
| DC power                                  | KEYSIGHT     | E3631A                 | CQA-028        | 2023/09/08       | 2024/09/07           |

Test software:

|                                   | Manufacturer | Software brand |
|-----------------------------------|--------------|----------------|
| Radiated Emissions test software  | Tonscend     | JS1120-3       |
| Conducted Emissions test software | Audix        | e3             |
| RF Conducted test software        | Audix        | e3             |

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## 7 Radio Technical Requirements Specification

### Reference documents for testing:

| No. | Identity  | Document Title  |
|-----|---|---|
| 1   | FCC Part15E   | Subpart C-Intentional Radiators   |
| 2   | ANSI C63.10-2013  | American National Standard for Testing Unlicensed Wireless Devices  |
| 3   | KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 | Guidelines for compliance testing of unlicensed national information infrastructure (U-NII) device part 15, subpart E |
| 4   | KDB 662911 D01 Multiple Transmitter Output v02r01             | Emissions Testing of Transmitters with Multiple Outputs in the Same Band  |

**Appendix A): Emission Bandwidth**

**26dB Emission bandwidth**

Test Requirement: 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II C 1

**6 dB bandwidth (5.725-5.85 GHz band )**

Test Requirement 47 CFR Part 15, Subpart C 15.407 (e)

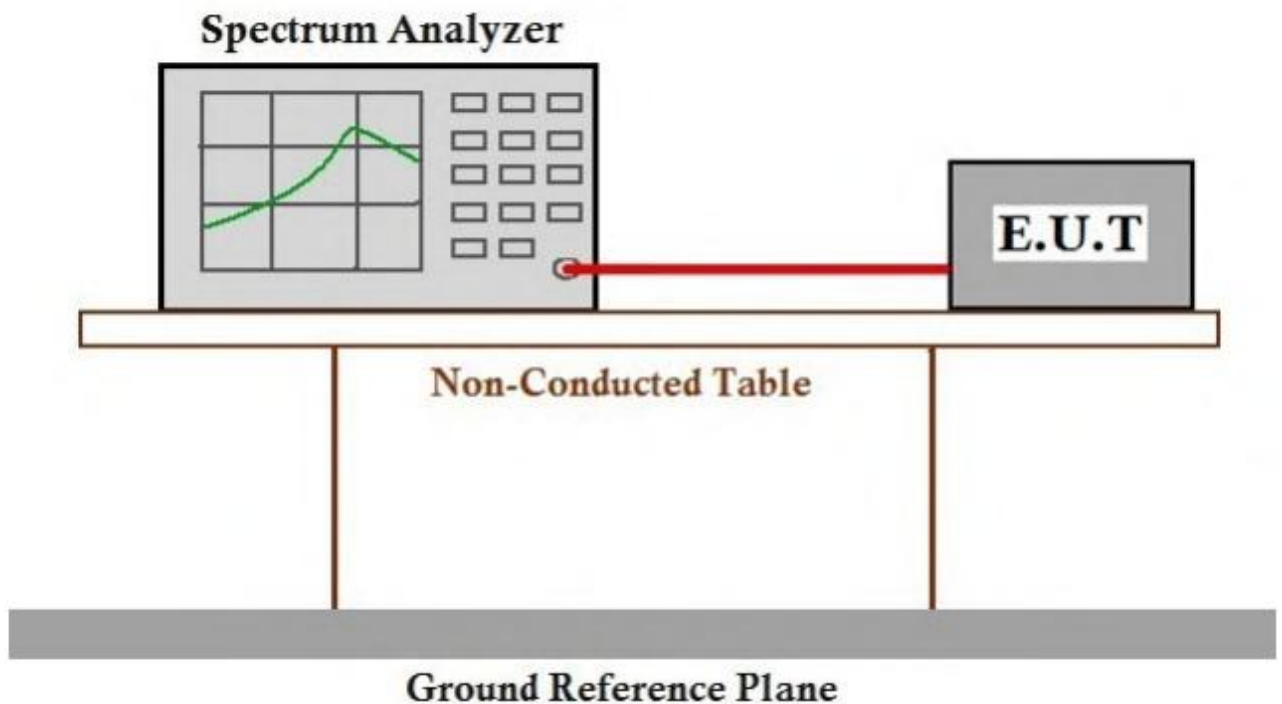
Test Method: KDB 789033 D02 II C 2

**Limit:  $\geq 500$  kHz**

**Test Procedure:**

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum 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%.

**Test Setup Diagram**





**Result Table**

Ant1:

| TestMode   | Freq(MHz) | 26db EBW [MHz] | FL[MHz] | FH[MHz] |
|------------|-----------|----------------|---------|---------|
| 11A        | 5180      | 24.72          | 5167.64 | 5192.36 |
|            | 5200      | 28.52          | 5184.88 | 5213.40 |
|            | 5240      | 20.00          | 5229.96 | 5249.96 |
|            | 5745      | 21.80          | 5735.00 | 5756.80 |
|            | 5785      | 22.44          | 5773.84 | 5796.28 |
|            | 5825      | 24.32          | 5811.32 | 5835.64 |
| 11N20SISO  | 5180      | 27.40          | 5167.00 | 5194.40 |
|            | 5200      | 31.44          | 5184.28 | 5215.72 |
|            | 5240      | 20.48          | 5229.64 | 5250.12 |
|            | 5745      | 23.48          | 5734.48 | 5757.96 |
|            | 5785      | 20.84          | 5774.48 | 5795.32 |
|            | 5825      | 25.12          | 5811.16 | 5836.28 |
| 11N40SISO  | 5190      | 53.28          | 5167.12 | 5220.40 |
|            | 5230      | 39.92          | 5209.92 | 5249.84 |
|            | 5755      | 43.28          | 5734.92 | 5778.20 |
|            | 5795      | 40.40          | 5774.76 | 5815.16 |
| 11AC20SISO | 5180      | 24.36          | 5166.76 | 5191.12 |
|            | 5200      | 25.32          | 5187.32 | 5212.64 |
|            | 5240      | 19.88          | 5230.04 | 5249.92 |
|            | 5745      | 25.08          | 5734.16 | 5759.24 |
|            | 5785      | 21.48          | 5774.40 | 5795.88 |
|            | 5825      | 23.92          | 5813.24 | 5837.16 |
| 11AC40SISO | 5190      | 46.72          | 5166.72 | 5213.44 |
|            | 5230      | 39.52          | 5210.24 | 5249.76 |
|            | 5755      | 45.44          | 5735.32 | 5780.76 |
|            | 5795      | 39.76          | 5775.00 | 5814.76 |
| 11AC80SISO | 5210      | 88.00          | 5168.24 | 5256.24 |
|            | 5775      | 80.32          | 5734.84 | 5815.16 |
| 11AX20SISO | 5180      | 28.04          | 5165.56 | 5193.60 |
|            | 5200      | 29.84          | 5184.68 | 5214.52 |
|            | 5240      | 19.92          | 5230.00 | 5249.92 |
|            | 5745      | 26.52          | 5733.76 | 5760.28 |
|            | 5785      | 21.52          | 5774.20 | 5795.72 |
|            | 5825      | 24.96          | 5811.36 | 5836.32 |

|            |      |       |         |         |
|------------|------|-------|---------|---------|
| 11AX40SISO | 5190 | 49.76 | 5166.56 | 5216.32 |
|            | 5230 | 39.76 | 5210.08 | 5249.84 |
|            | 5755 | 46.16 | 5735.16 | 5781.32 |
|            | 5795 | 39.84 | 5775.08 | 5814.92 |
| 11AX80SISO | 5210 | 86.56 | 5164.56 | 5251.12 |
|            | 5775 | 80.32 | 5734.84 | 5815.16 |

| TestMode   | Freq(MHz) | 6db EBW<br>[MHz] | Limit[MHz] | Verdict |
|------------|-----------|------------------|------------|---------|
| 11A        | 5745      | 16.36            | 0.5        | PASS    |
|            | 5785      | 16.36            | 0.5        | PASS    |
|            | 5825      | 16.32            | 0.5        | PASS    |
| 11N20SISO  | 5745      | 17.56            | 0.5        | PASS    |
|            | 5785      | 17.60            | 0.5        | PASS    |
|            | 5825      | 17.56            | 0.5        | PASS    |
| 11N40SISO  | 5755      | 29.52            | 0.5        | PASS    |
|            | 5795      | 35.12            | 0.5        | PASS    |
| 11AC20SISO | 5745      | 18.16            | 0.5        | PASS    |
|            | 5785      | 18.60            | 0.5        | PASS    |
|            | 5825      | 18.56            | 0.5        | PASS    |
| 11AC40SISO | 5755      | 35.12            | 0.5        | PASS    |
|            | 5795      | 37.36            | 0.5        | PASS    |
| 11AC80SISO | 5775      | 76.32            | 0.5        | PASS    |

ANT2:

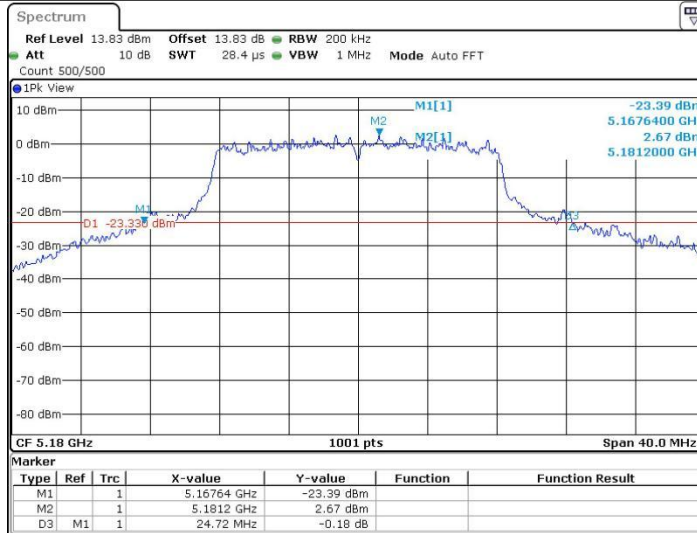
| TestMode   | Freq(MHz) | 26db EBW [MHz] | FL[MHz] | FH[MHz] |
|------------|-----------|----------------|---------|---------|
| 11A        | 5180      | 27.72          | 5166.04 | 5193.76 |
|            | 5200      | 24.64          | 5186.56 | 5211.20 |
|            | 5240      | 19.92          | 5230.08 | 5250.00 |
|            | 5745      | 22.64          | 5734.56 | 5757.20 |
|            | 5785      | 21.28          | 5774.32 | 5795.60 |
|            | 5825      | 24.32          | 5811.40 | 5835.72 |
| 11N20SISO  | 5180      | 27.76          | 5166.44 | 5194.20 |
|            | 5200      | 28.68          | 5185.48 | 5214.16 |
|            | 5240      | 20.28          | 5229.96 | 5250.24 |
|            | 5745      | 23.24          | 5734.48 | 5757.72 |
|            | 5785      | 25.68          | 5772.92 | 5798.60 |
|            | 5825      | 24.76          | 5811.44 | 5836.20 |
| 11N40SISO  | 5190      | 58.72          | 5168.00 | 5226.72 |
|            | 5230      | 41.04          | 5209.60 | 5250.64 |
|            | 5755      | 43.36          | 5734.84 | 5778.20 |
|            | 5795      | 43.92          | 5774.12 | 5818.04 |
| 11AC20SISO | 5180      | 27.76          | 5165.76 | 5193.52 |
|            | 5200      | 28.60          | 5185.80 | 5214.40 |
|            | 5240      | 20.28          | 5229.84 | 5250.12 |
|            | 5745      | 23.64          | 5734.32 | 5757.96 |
|            | 5785      | 21.48          | 5774.00 | 5795.48 |
|            | 5825      | 24.16          | 5811.44 | 5835.60 |
| 11AC40SISO | 5190      | 50.32          | 5166.16 | 5216.48 |
|            | 5230      | 40.96          | 5209.52 | 5250.48 |
|            | 5755      | 43.76          | 5734.68 | 5778.44 |
|            | 5795      | 40.56          | 5774.84 | 5815.40 |
| 11AC80SISO | 5210      | 97.60          | 5162.16 | 5259.76 |
|            | 5775      | 96.32          | 5719.64 | 5815.96 |
| 11AX20SISO | 5180      | 31.92          | 5165.48 | 5197.40 |
|            | 5200      | 35.44          | 5183.24 | 5218.68 |
|            | 5240      | 20.04          | 5229.92 | 5249.96 |
|            | 5745      | 26.36          | 5733.80 | 5760.16 |
|            | 5785      | 21.88          | 5774.28 | 5796.16 |
|            | 5825      | 25.68          | 5810.52 | 5836.20 |
| 11AX40SISO | 5190      | 51.12          | 5165.28 | 5216.40 |

|            |      |       |         |         |
|------------|------|-------|---------|---------|
|            | 5230 | 39.76 | 5210.08 | 5249.84 |
|            | 5755 | 44.88 | 5735.24 | 5780.12 |
|            | 5795 | 39.84 | 5775.00 | 5814.84 |
| 11AX80SISO | 5210 | 83.04 | 5167.12 | 5250.16 |
|            | 5775 | 80.32 | 5734.84 | 5815.16 |

| TestMode   | Freq(MHz) | 6db EBW<br>[MHz] | Limit[MHz] | Verdict |
|------------|-----------|------------------|------------|---------|
| 11A        | 5745      | 16.28            | 0.5        | PASS    |
|            | 5785      | 16.32            | 0.5        | PASS    |
|            | 5825      | 16.48            | 0.5        | PASS    |
| 11N20SISO  | 5745      | 17.32            | 0.5        | PASS    |
|            | 5785      | 17.56            | 0.5        | PASS    |
|            | 5825      | 17.56            | 0.5        | PASS    |
| 11N40SISO  | 5755      | 33.84            | 0.5        | PASS    |
|            | 5795      | 33.92            | 0.5        | PASS    |
| 11AC20SISO | 5745      | 17.56            | 0.5        | PASS    |
|            | 5785      | 17.56            | 0.5        | PASS    |
|            | 5825      | 17.32            | 0.5        | PASS    |
| 11AC40SISO | 5755      | 35.12            | 0.5        | PASS    |
|            | 5795      | 35.60            | 0.5        | PASS    |
| 11AC80SISO | 5775      | 75.20            | 0.5        | PASS    |
| 11AX20SISO | 5745      | 18.12            | 0.5        | PASS    |
|            | 5785      | 18.00            | 0.5        | PASS    |
|            | 5825      | 17.88            | 0.5        | PASS    |
| 11AX40SISO | 5755      | 35.12            | 0.5        | PASS    |
|            | 5795      | 35.12            | 0.5        | PASS    |
| 11AX80SISO | 5775      | 70.08            | 0.5        | PASS    |

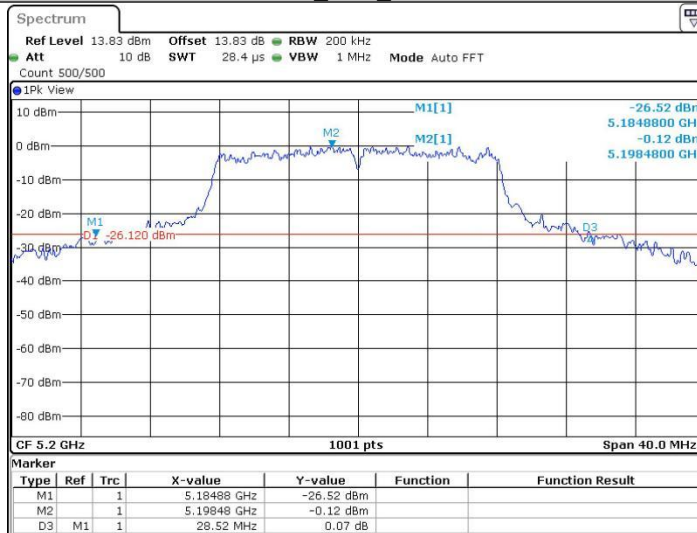
Test Graph

11A\_Ant1\_5180



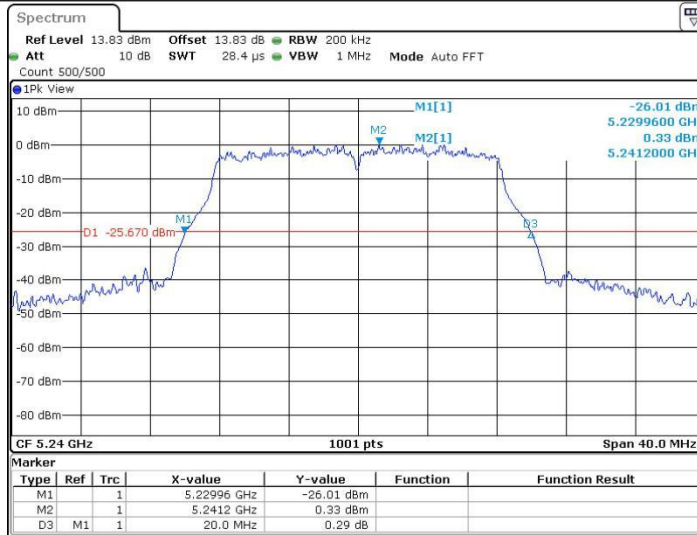
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11A\_Ant1\_5200



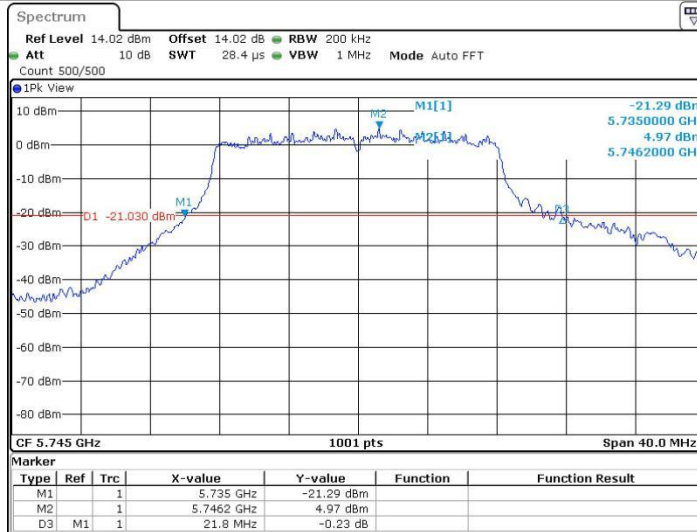
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11A\_Ant1\_5240



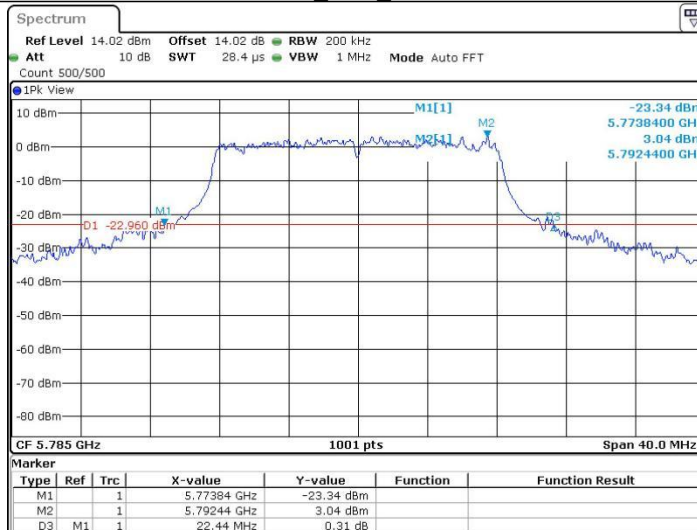
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11A Ant1 5745



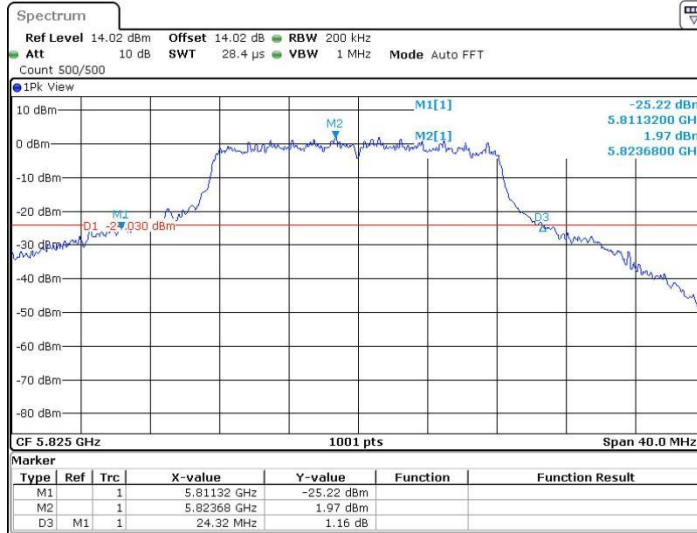
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11A Ant1 5785



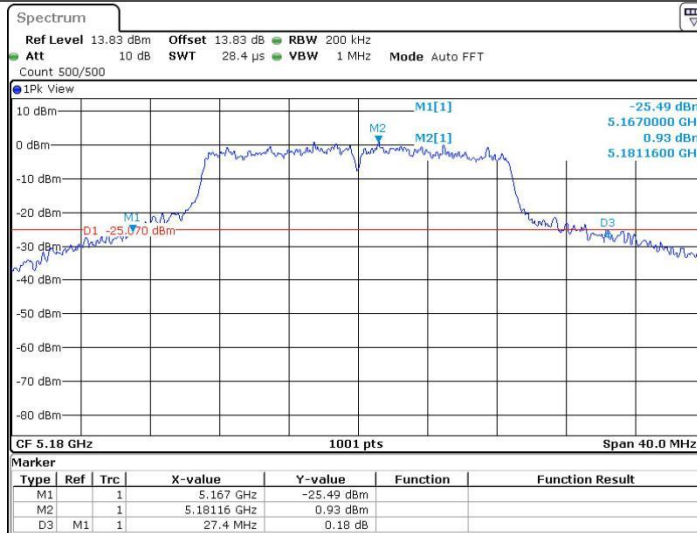
Date: 6 MAY 2024 20:00:41

11A\_Ant1\_5825



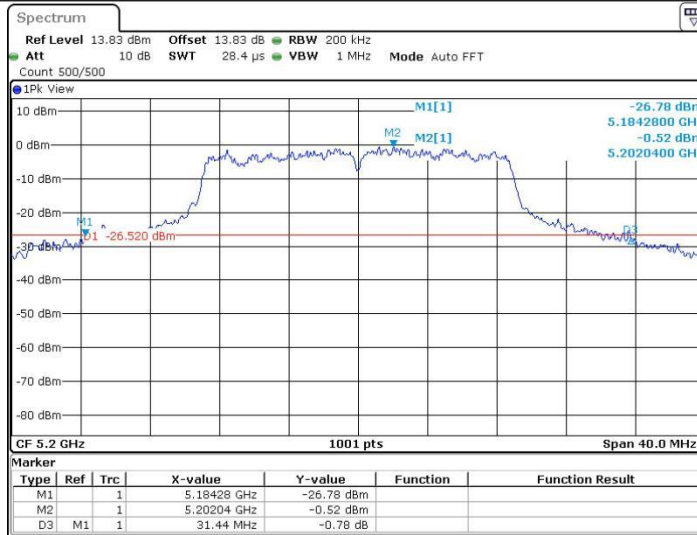
Date: 6 MAY 2024 20:06:07

11N20SISO\_Ant1\_5180



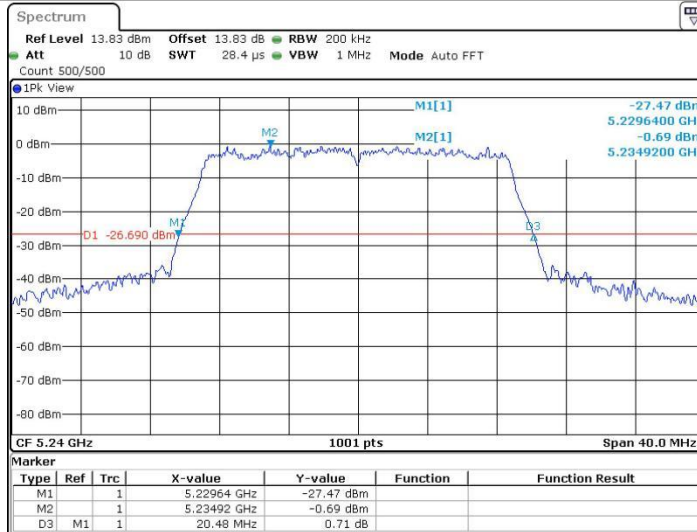
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11N20SISO\_Ant1\_5200



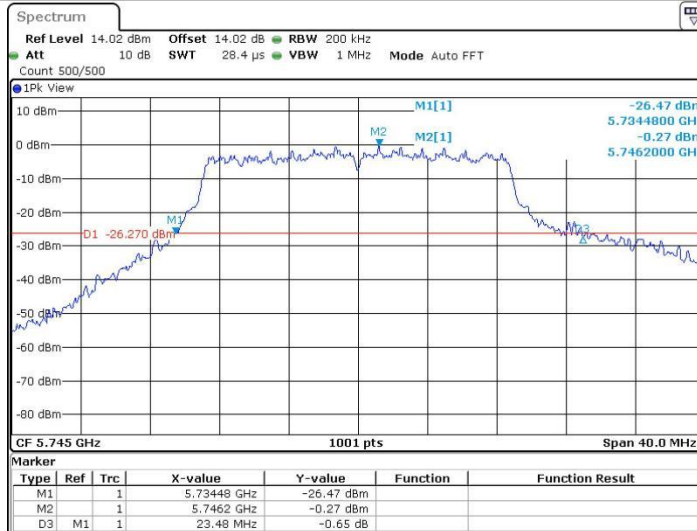
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11N20SISO Ant1\_5240



Date: 8 MAY 2024 14:07:52

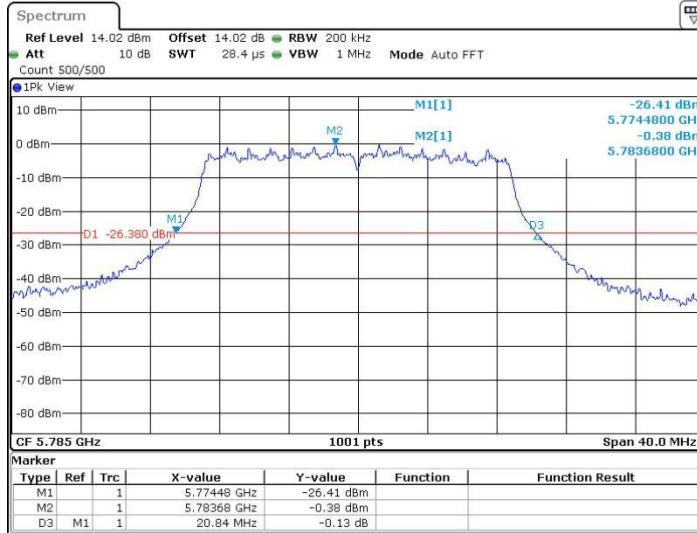
11N20SISO Ant1\_5745



Date: 8 MAY 2024 14:10:48

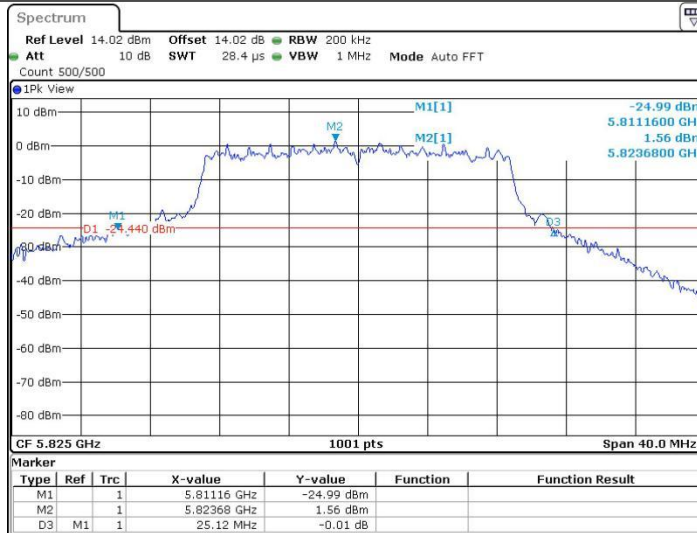


11N20SISO\_Ant1\_5785



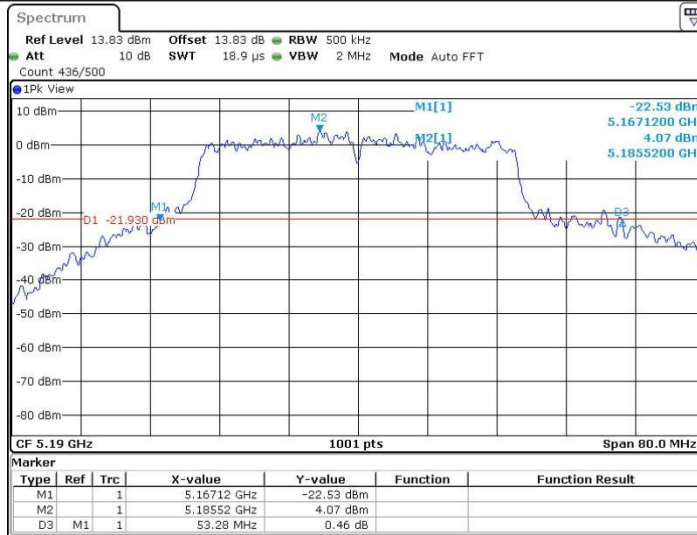
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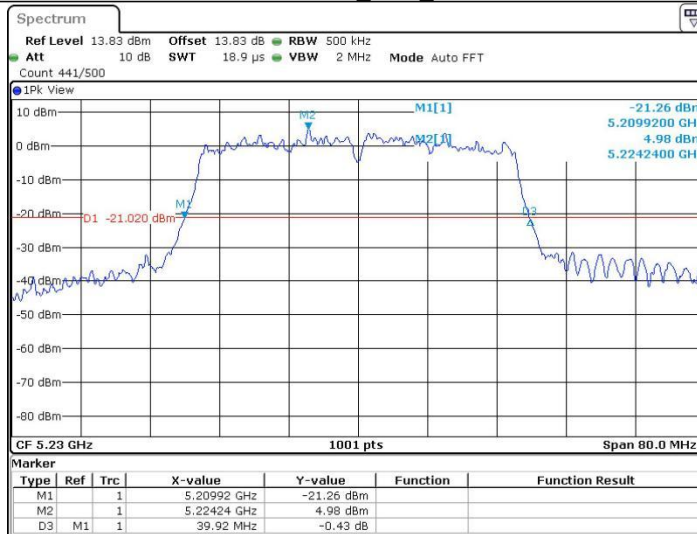
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11N40SISO\_Ant1\_5190



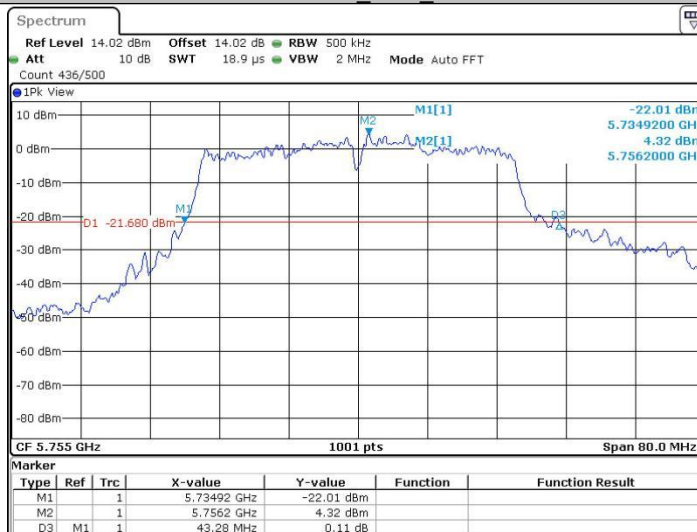
Date: 8 MAY 2024 16:27:21

11N40SISO Ant1\_5230



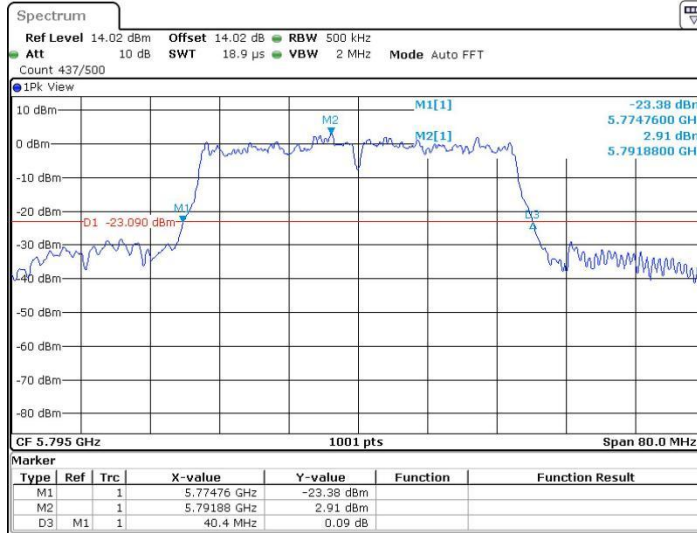
Date: 8 MAY 2024 16:30:11

11N40SISO Ant1\_5755



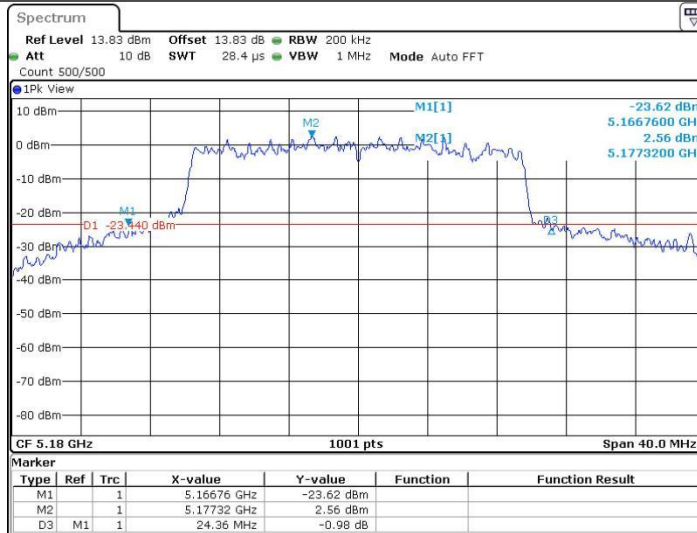
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11N40SISO\_Ant1\_5795



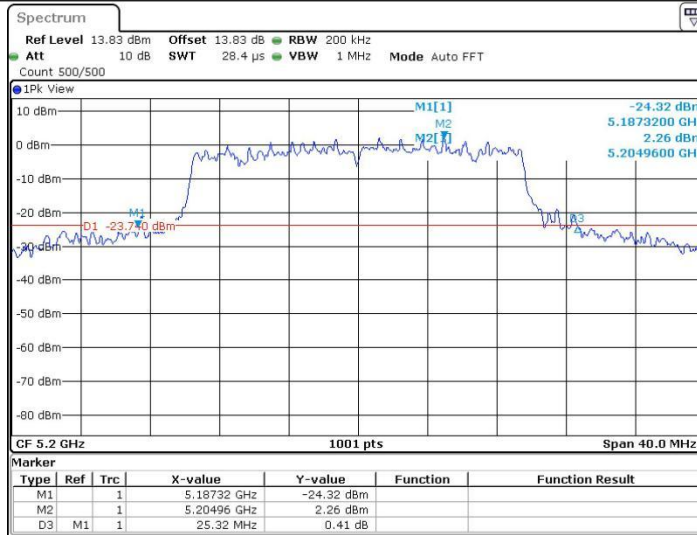
Date: 8 MAY 2024 16:35:44

11AC20SISO\_Ant1\_5180



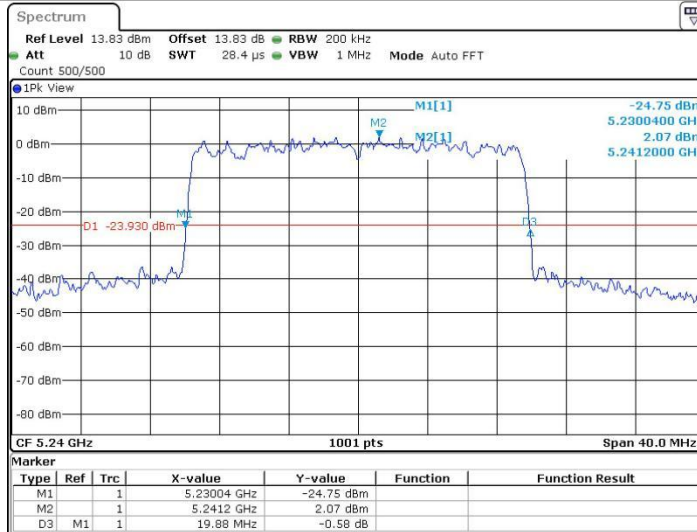
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11AC20SISO\_Ant1\_5200



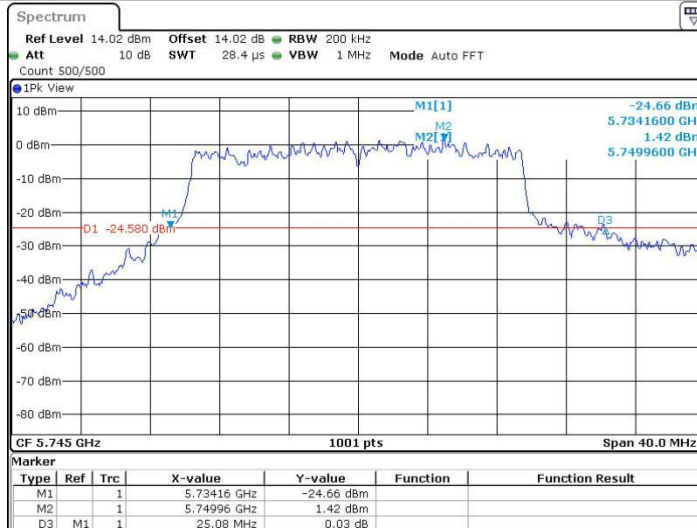
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11AC20SISO\_Ant1\_5240



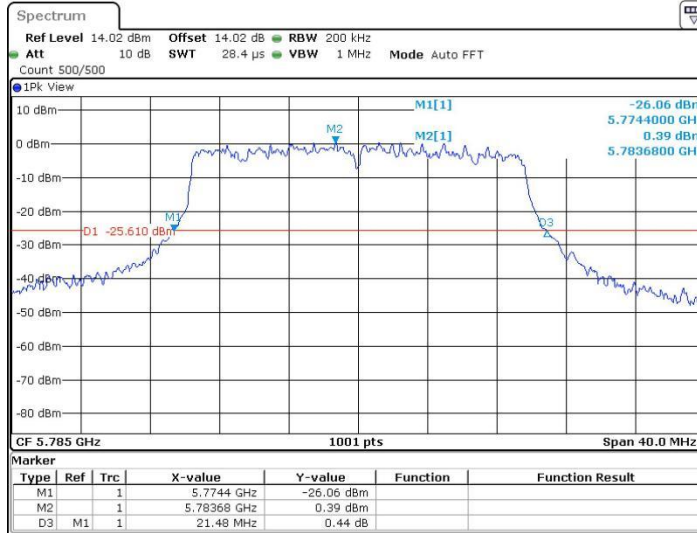
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11AC20SISO\_Ant1\_5745



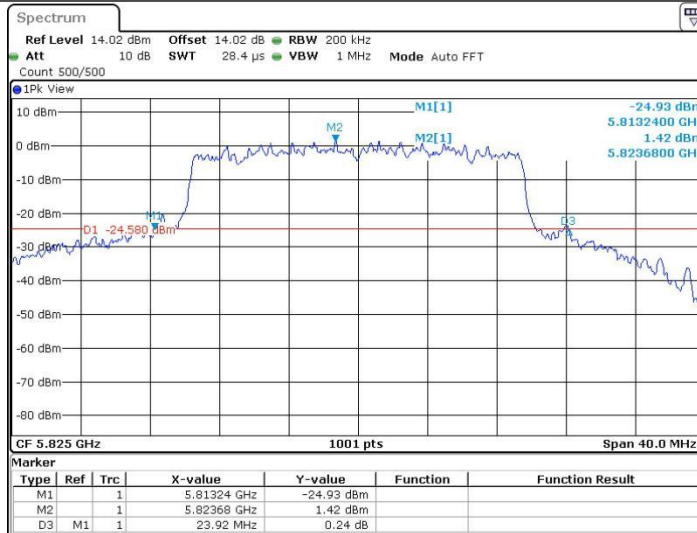
Date: 8 MAY 2024 16:45:31

11AC20SISO\_Ant1\_5785



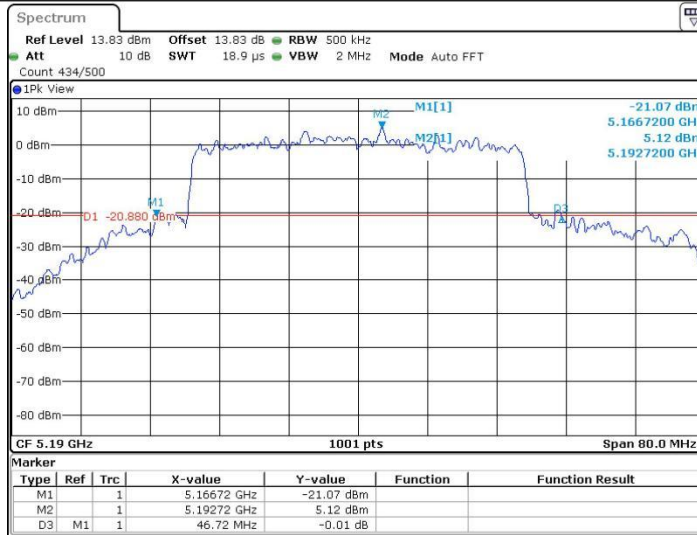
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11AC20SISO\_Ant1\_5825



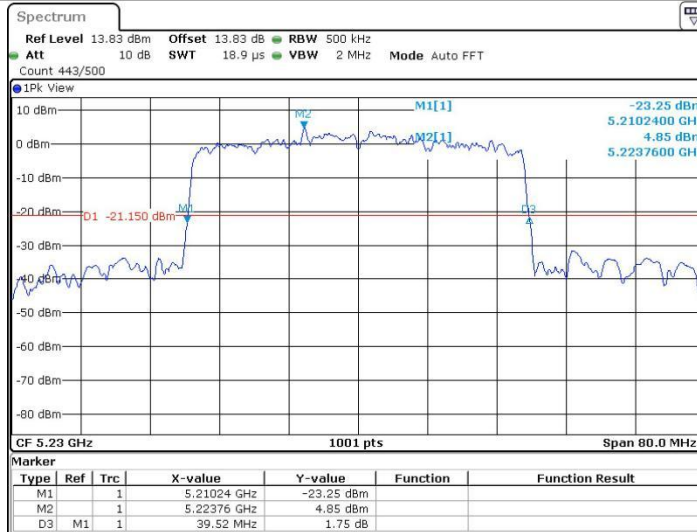
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11AC40SISO\_Ant1\_5190



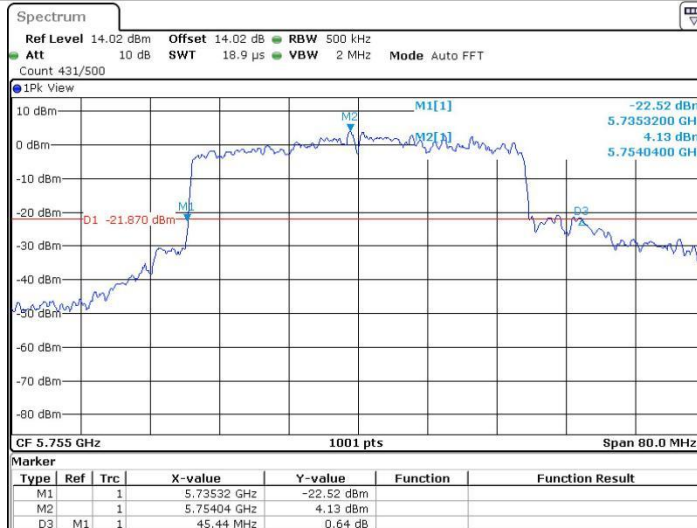
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11AC40SISO\_Ant1\_5230



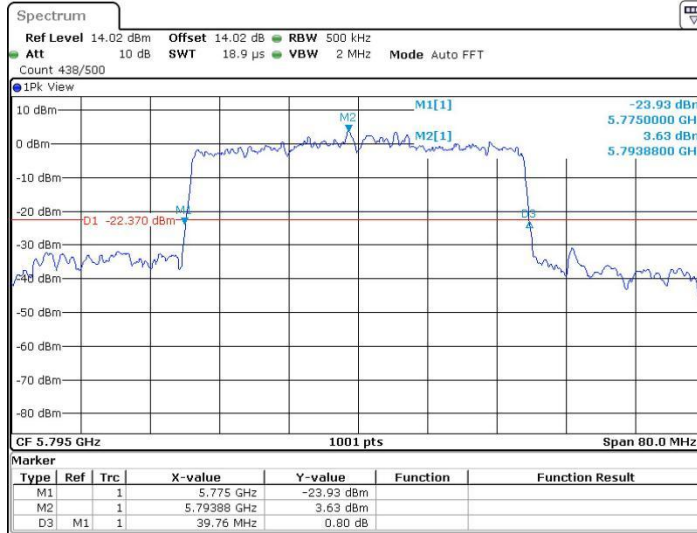
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11AC40SISO\_Ant1\_5755



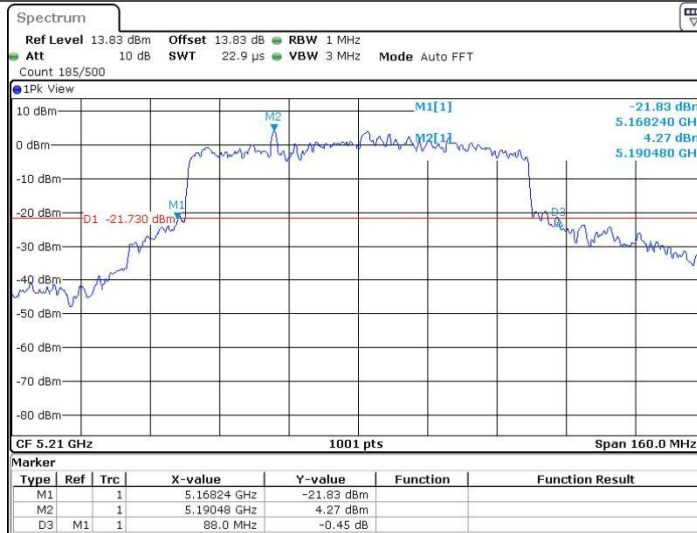
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11AC40SISO\_Ant1\_5795



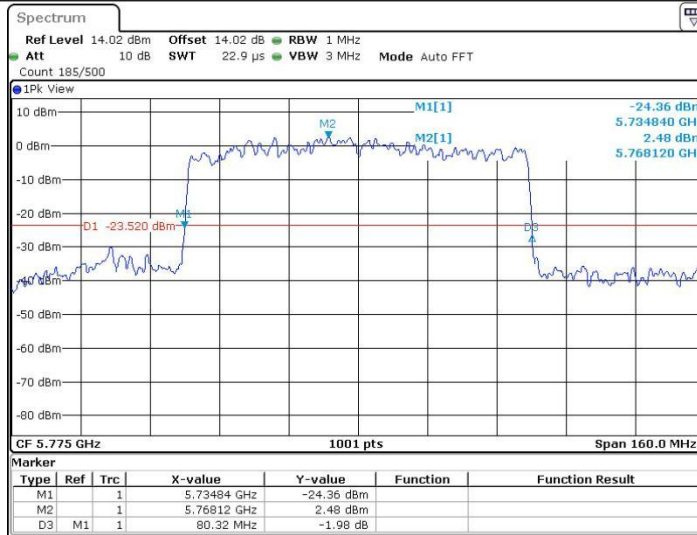
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11AC80SISO\_Ant1\_5210



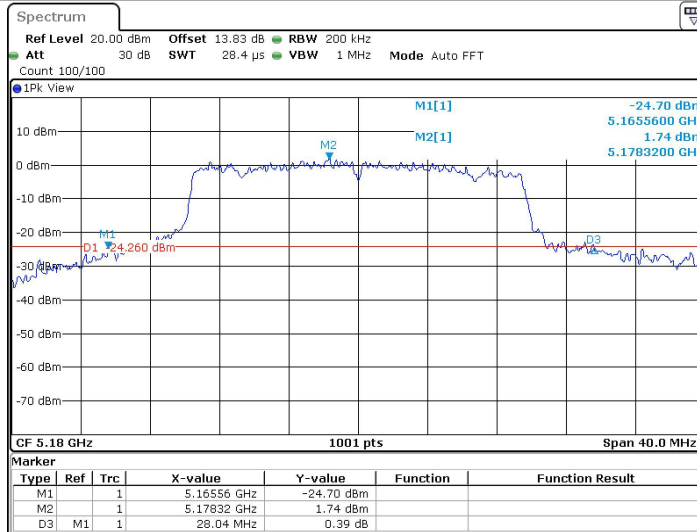
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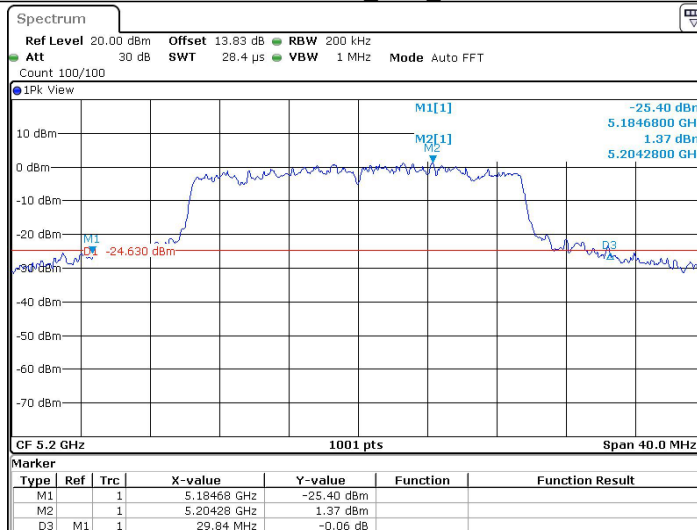
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11AX20SISO Ant1\_5180



Date: 10 MAY 2024 16:17:16

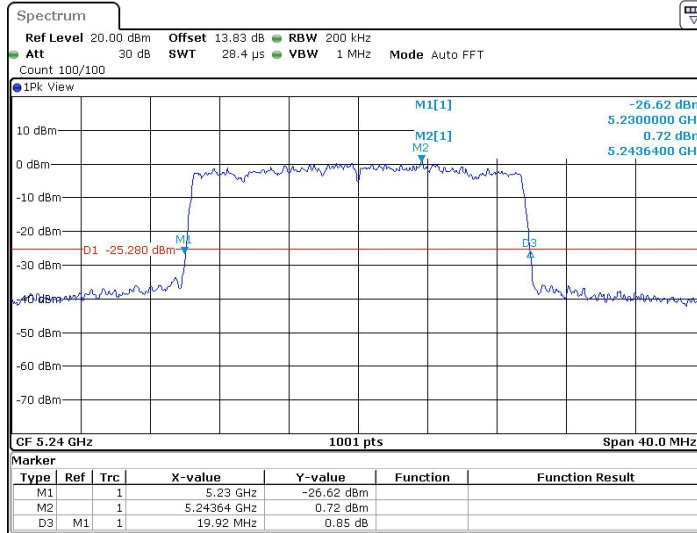
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Date: 10 MAY 2024 16:19:52

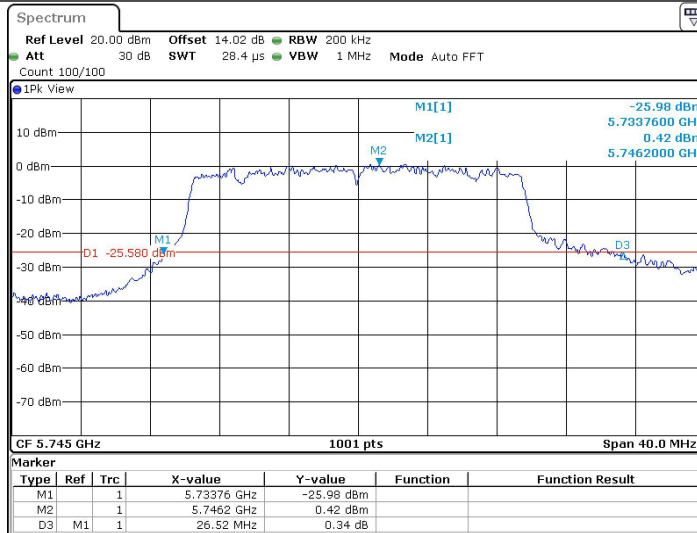


11AX20SISO\_Ant1\_5240



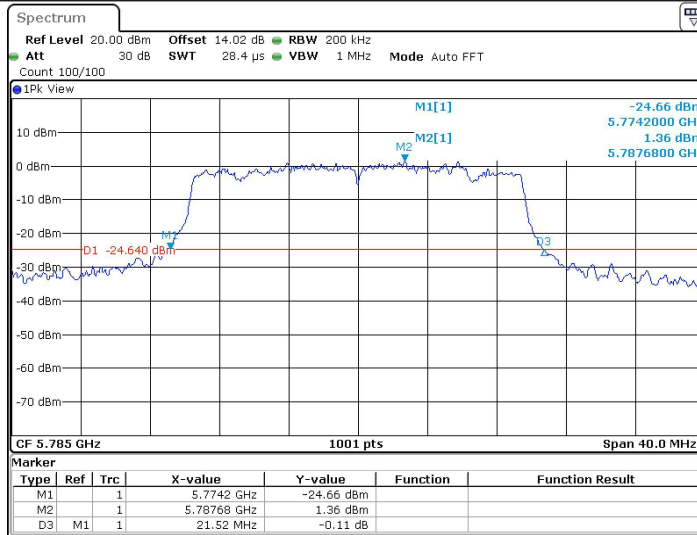
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11AX20SISO\_Ant1\_5745



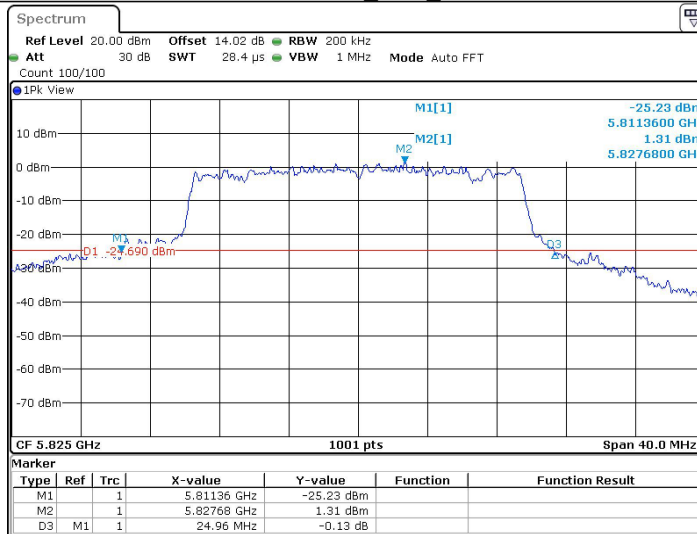
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11AX20SISO\_Ant1\_5785



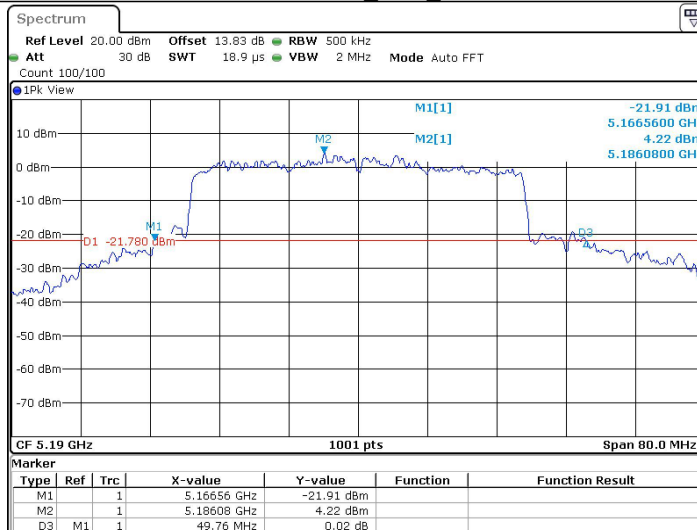
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11AX20SISO Ant1\_5825



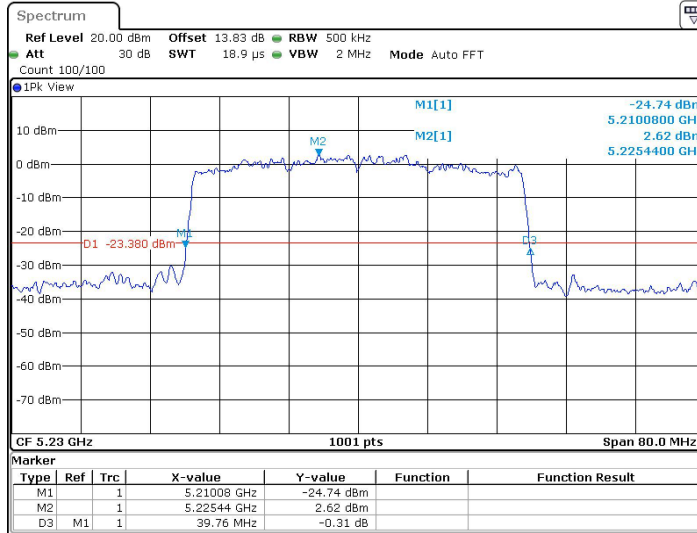
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11AX40SISO Ant1\_5190



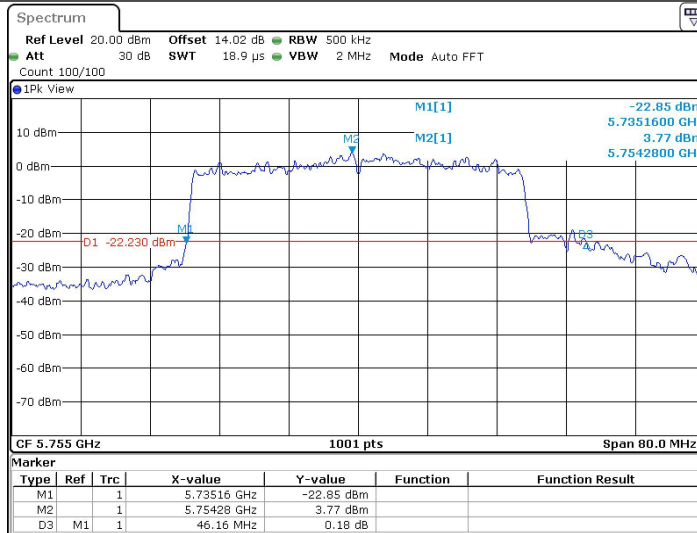
Date: 10.MAY.2024 16:33:21

11AX40SISO\_Ant1\_5230



Date: 10.MAY.2024 16:36:11

11AX40SISO\_Ant1\_5755



Date: 10.MAY.2024 16:40:00

11AX40SISO\_Ant1\_5795