

## TEST REPORT

**Applicant:** 8devices

**Address:** FCC: Antakalnio 17 - 6 Vilnius Lithuania  
IC: Antakalnio g. 17-6 Vilnius Vilnius County LT-10312 Lithuania

**Product Name:** Pineapple 6

**FCC ID:** Z9W-PIN6

**IC:** 11468A-PIN6

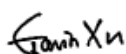
**HVIN:** Pineapple

47 CFR Part 15, Subpart E(15.407)  
RSS-248 Issue 2, December 2022  
**Standard(s):** RSS-Gen, Issue 5, February 2021 Amendment 2  
ANSI C63.10-2013  
KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01

**Report Number:** DG2240228-09775E-RF-00

**Report Date:** 2024/6/5

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).



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**DOCUMENT REVISION HISTORY**

| Revision Number | Report Number          | Description of Revision | Date of Revision |
|-----------------|------------------------|-------------------------|------------------|
| 1.0             | DG2240228-09775E-RF-00 | Original Report         | 2024/6/5         |

## 1. GENERAL INFORMATION

### 1.1 Product Description for Equipment under Test (EUT)

|                                             |                                                                                                                                                                |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EUT Name:</b>                            | Pineapple 6                                                                                                                                                    |
| <b>EUT Model:</b>                           | Pineapple                                                                                                                                                      |
| <b>Equipment Type:</b>                      | Low-power indoor client devices(6XD)                                                                                                                           |
| <b>Operation Frequency:</b>                 | U-NII 5(5925-6425 MHz Band):<br>5955-6415 MHz (802.11ax he20)<br>5965-6405 MHz(802.11ax he40)<br>5985-6385 MHz(802.11ax he80)<br>6025-6345 MHz(802.11ax he160) |
|                                             | U-NII 6(6425-6525 MHz Band):<br>6435-6515 MHz (802.11ax he20)<br>6445-6525 MHz(802.11ax he40)<br>6465-6545 MHz(802.11ax he80)<br>6505 MHz(802.11ax he160)      |
|                                             | U-NII 7(6525-6875 MHz Band):<br>6535-6855 MHz (802.11ax he20)<br>6565-6845 MHz(802.11ax he40)<br>6625-6865 MHz(802.11ax he80)<br>6665-6825 MHz(802.11ax he160) |
|                                             | U-NII 8(6875-7125 MHz Band):<br>6875-7095 MHz (802.11ax he20)<br>6885-7085 MHz(802.11ax he40)<br>6945-7025 MHz(802.11ax he80)<br>6985 MHz(802.11ax he160)      |
| <b>Maximum Average Output Power (EIRP):</b> | 12.78 dBm (5925-6425 MHz)<br>12.69dBm (6425-6525 MHz)<br>13.07dBm (6525-6875MHz)<br>13.23 dBm (6875-7125 MHz)                                                  |
| <b>Modulation Type:</b>                     | OFDMA-BPSK, QPSK, 16QAM, 64QAM,256QAM,1024QAM                                                                                                                  |
| <b>Rated Input Voltage:</b>                 | DC3.3V and DC5V                                                                                                                                                |
| <b>Serial Number:</b>                       | 2I3G-1 (For RF Conducted Test)<br>2I3G-3 ( For Radiated spurious emission and AC line conducted emission tests)                                                |
| <b>EUT Received Date:</b>                   | 2024/3/1                                                                                                                                                       |
| <b>EUT Received Status:</b>                 | Good                                                                                                                                                           |

### 1.2 Accessory Information

| Accessory Description | Manufacturer | Model | Parameters |
|-----------------------|--------------|-------|------------|
| /                     | /            | /     | /          |

**1.3 Antenna Information Detail ▲**

| Antenna Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Antenna Type | input impedance (Ohm) | Frequency Range | Antenna Gain |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|-----------------|--------------|
| LYNwave Headquarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Dipole       | 50                    | 5925-6425 MHz   | 5 dBi        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                       | 6425-6525 MHz   | 5 dBi        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                       | 6525-6875 MHz   | 5 dBi        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                       | 6875-7125 MHz   | 5 dBi        |
| <p>Note:</p> <p>The system supports maximum 4T4R CDD modes for 802.11ax modes.</p> <p>Per KDB 662911 D01 Multiple Transmitter Output v02r01:</p> <p>For power measurements:</p> <p>CDD Mode:</p> <p>Array Gain = 0 dB (i.e., no array gain) for <math>N_{ANT} \leq 4</math></p> <p>directional gain=5 dBi +0dB =5 dBi</p> <p>For power spectral density (PSD) measurements:</p> <p>Array Gain = <math>10 \log(N_{ANT}/N_{SS})</math> dB.</p> <p>directional gain=5 dBi +6.02dB =11.02 dBi for maximum 4Tx</p> <p><b>The design of compliance with §15.203:</b></p> <p><input type="checkbox"/> Unit uses a permanently attached antenna.</p> <p><input checked="" type="checkbox"/> Unit uses a unique coupling to the intentional radiator.</p> <p><input type="checkbox"/> Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.</p> |              |                       |                 |              |

**1.4 Equipment Modifications**

No modifications are made to the EUT during all test items.

## 2. SUMMARY OF TEST RESULTS

| Standard(s) Section                                                                                                                                                                                                      | Test Items                     | Result    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------|
| §15.207(a)<br>RSS-Gen Clause 8.8                                                                                                                                                                                         | AC line conducted emissions    | Compliant |
| FCC§15.205& §15.209<br>&§15.407(b)<br>RSS-248 Clause 4.6.2                                                                                                                                                               | Radiation Spurious Emissions   | Compliant |
| §15.407(b)(7)<br>RSS-248 Clause 4.6.2 b                                                                                                                                                                                  | In-band Emission               | Compliant |
| §15.407(a) (11)<br>RSS-248 Clause 4.4                                                                                                                                                                                    | 26 dB Emission Bandwidth       | Compliant |
| RSS-Gen Clause 6.7                                                                                                                                                                                                       | 99% Occupied bandwidth         | Compliant |
| §15.407(a) (8)<br>RSS-248 Clause 4.5.3                                                                                                                                                                                   | Maximum E.I.R.P.               | Compliant |
| §15.407(a) (8)<br>RSS-248 Clause 4.5.3                                                                                                                                                                                   | Maximum Power Spectral Density | Compliant |
| §15.407 (d) (6)<br>RSS-248 Clause 4.7                                                                                                                                                                                    | Contention Based Protocol      | Compliant |
| §15.203<br>RSS-Gen Clause 6.8                                                                                                                                                                                            | Antenna Requirement            | Compliant |
| RSS-248 Clause 4.8                                                                                                                                                                                                       | Operational requirements       | Compliant |
| Note 1: For AC line conducted emissions, the maximum output power mode and channel was tested.<br>Note 2: For Radiated Spurious Emissions 9kHz~ 1GHz and 18-40GHz, the maximum output power mode and channel was tested. |                                |           |

### 3. DESCRIPTION OF TEST CONFIGURATION

#### 3.1 Operation Frequency Detail

##### U-NII 5 Band(5925-6425 MHz):

| 802.11ax he20 |                 | 802.11ax he40 |                 | 802.11ax he80 |                 | 802.11ax he160 |                 |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|----------------|-----------------|
| Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel        | Frequency (MHz) |
| 1             | 5955            | 3             | 5965            | 7             | 5985            | 15             | 6025            |
| 5             | 5975            | 11            | 6005            | 23            | 6065            | /              | /               |
| ~             | ~               | ~             | ~               | /             | /               | /              | /               |
| 45            | 6175            | 43            | 6165            | 39            | 6145            | 47             | 6185            |
| ~             | ~               | ~             | ~               | ~             | ~               | /              | /               |
| 89            | 6395            | 83            | 6365            | 71            | 6305            | /              | /               |
| 93            | 6415            | 91            | 6405            | 87            | 6385            | 79             | 6345            |

##### U-NII 6 Band(6425-6525 MHz):

| 802.11ax he20 |                 | 802.11ax he40 |                 | 802.11ax he80 |                 | 802.11ax he160 |                 |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|----------------|-----------------|
| Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel        | Frequency (MHz) |
| 97            | 6435            | 99            | 6445            | /             | /               | /              | /               |
| 101           | 6455            | /             | /               | /             | /               | /              | /               |
| 105           | 6475            | /             | /               | 103           | 6465            | /              | /               |
| 109           | 6495            | 107           | 6485            | /             | /               | /              | /               |
| 113           | 6515            | /             | /               | /             | /               | /              | /               |

##### Crossed U-NII 6 and U-NII 7:

| 802.11ax he20 |                 | 802.11ax he40 |                 | 802.11ax he80 |                 | 802.11ax he160 |                 |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|----------------|-----------------|
| Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel        | Frequency (MHz) |
| /             | /               | 115           | 6525            | 119           | 6545            | 111            | 6505            |

##### U-NII 7 Band(6525-6875 MHz):

| 802.11ax he20 |                 | 802.11ax he40 |                 | 802.11ax he80 |                 | 802.11ax he160 |                 |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|----------------|-----------------|
| Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel        | Frequency (MHz) |
| 117           | 6535            | 123           | 6565            | 135           | 6625            | /              | /               |
| 121           | 6555            | 131           | 6605            | /             | /               | /              | /               |
| ~             | ~               | ~             | ~               | /             | /               | /              | /               |
| 149           | 6695            | 147           | 6685            | 151           | 6705            | 143            | 6665            |
| ~             | ~               | ~             | ~               | /             | /               | /              | /               |
| 177           | 6835            | 171           | 6805            | /             | /               | /              | /               |
| 181           | 6855            | 179           | 6845            | 167           | 6785            | /              | /               |

##### Crossed U-NII 7 and U-NII 8:

| 802.11ax he20 |                 | 802.11ax he40 |                 | 802.11ax he80 |                 | 802.11ax he160 |                 |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|----------------|-----------------|
| Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel        | Frequency (MHz) |
| 185           | 6875            | 187           | 6885            | 183           | 6865            | 175            | 6825            |



**U-NII 8 Band(6875-7125 MHz):**

| 802.11ax he20 |                 | 802.11ax he40 |                 | 802.11ax he80 |                 | 802.11ax he160 |                 |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|----------------|-----------------|
| Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel       | Frequency (MHz) | Channel        | Frequency (MHz) |
| 189           | 6895            | 195           | 6925            | 199           | 6945            | /              | /               |
| 193           | 6915            | ~             | ~               | /             | /               | /              | /               |
| ~             | ~               | ~             | ~               | /             | /               | /              | /               |
| 213           | 7015            | 211           | 7005            | /             | /               | 207            | 6985            |
| ~             | ~               | ~             | ~               | /             | /               | /              | /               |
| 225           | 7075            | ~             | ~               | /             | /               | /              | /               |
| 229           | 7095            | 227           | 7085            | 215           | 7025            | /              | /               |

**3.2 EUT Exercise Software**

| EUT Operation Mode:                                                                                                           |               |                      | The system was configured for testing in Engineering Mode, which was provided by the manufacturer. |                     |         |         |         |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------|----------------------------------------------------------------------------------------------------|---------------------|---------|---------|---------|
| Equipment Modifications:                                                                                                      |               |                      | No                                                                                                 |                     |         |         |         |
| EUT Exercise Software:                                                                                                        |               |                      | access Mtool                                                                                       |                     |         |         |         |
| The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲： |               |                      |                                                                                                    |                     |         |         |         |
| Test Modes                                                                                                                    | Test Channels | Test Frequency (MHz) | Data rate                                                                                          | Power Level Setting |         |         |         |
|                                                                                                                               |               |                      |                                                                                                    | Chain 0             | Chain 1 | Chain 2 | Chain 3 |
| U-NII 5 Band(5925-6425 MHz):                                                                                                  |               |                      |                                                                                                    |                     |         |         |         |
| 802.11ax he20                                                                                                                 | Lowest        | 5955                 | MCS0                                                                                               | -8                  | -9      | -8      | -8      |
|                                                                                                                               | Middle        | 6175                 | MCS0                                                                                               | -8                  | -9      | -8      | -8      |
|                                                                                                                               | Highest       | 6415                 | MCS0                                                                                               | -8                  | -9      | -7      | -8      |
| 802.11ax he40                                                                                                                 | Lowest        | 5965                 | MCS0                                                                                               | -5                  | -6      | -5      | -5      |
|                                                                                                                               | Middle        | 6165                 | MCS0                                                                                               | -5                  | -6      | -5      | -5      |
|                                                                                                                               | Highest       | 6405                 | MCS0                                                                                               | -5                  | -6      | -4      | -5      |
| 802.11ax he80                                                                                                                 | Lowest        | 5985                 | MCS0                                                                                               | -2                  | -3      | -3      | -2      |
|                                                                                                                               | Middle        | 6145                 | MCS0                                                                                               | -2                  | -3      | -3      | -2      |
|                                                                                                                               | Highest       | 6385                 | MCS0                                                                                               | -2                  | -3      | -1      | -2      |
| 802.11ax he160                                                                                                                | Lowest        | 6025                 | MCS0                                                                                               | 2                   | 1       | 2       | 3       |
|                                                                                                                               | Middle        | 6185                 | MCS0                                                                                               | 2                   | 1       | 2       | 2       |
|                                                                                                                               | Highest       | 6345                 | MCS0                                                                                               | 3                   | 2       | 3       | 3       |
| U-NII 6 Band(6425-6525 MHz):                                                                                                  |               |                      |                                                                                                    |                     |         |         |         |
| 802.11ax he20                                                                                                                 | Lowest        | 6435                 | MCS0                                                                                               | -8                  | -9      | -7      | -8      |
|                                                                                                                               | Middle        | 6475                 | MCS0                                                                                               | -8                  | -9      | -7      | -8      |
|                                                                                                                               | Highest       | 6515                 | MCS0                                                                                               | -8                  | -9      | -7      | -8      |
| 802.11ax he40                                                                                                                 | Lowest        | 6445                 | MCS0                                                                                               | -5                  | -6      | -4      | -5      |
|                                                                                                                               | Highest       | 6485                 | MCS0                                                                                               | -5                  | -6      | -4      | -5      |
| 802.11ax he80                                                                                                                 | Middle        | 6465                 | MCS0                                                                                               | -2                  | -3      | -2      | -2      |
| Crossed U-NII 6 and U-NII 7:                                                                                                  |               |                      |                                                                                                    |                     |         |         |         |
| 802.11ax he40                                                                                                                 | Additional    | 6525                 | MCS0                                                                                               | -5                  | -6      | -4      | -5      |
| 802.11ax he80                                                                                                                 | Additional    | 6545                 | MCS0                                                                                               | -2                  | -3      | -2      | -2      |
| 802.11ax he160                                                                                                                | Additional    | 6505                 | MCS0                                                                                               | 2                   | 1       | 3       | 3       |

**U-NII 7 Band(6525-6875 MHz):**

|                |         |      |      |    |    |    |    |
|----------------|---------|------|------|----|----|----|----|
| 802.11ax he20  | Lowest  | 6535 | MCS0 | -8 | -9 | -8 | -8 |
|                | Middle  | 6695 | MCS0 | -8 | -9 | -8 | -8 |
|                | Highest | 6855 | MCS0 | -8 | -9 | -8 | -8 |
| 802.11ax he40  | Lowest  | 6565 | MCS0 | -5 | -6 | -5 | -5 |
|                | Middle  | 6685 | MCS0 | -5 | -6 | -5 | -5 |
|                | Highest | 6845 | MCS0 | -5 | -6 | -5 | -5 |
| 802.11ax he80  | Lowest  | 6625 | MCS0 | -2 | -3 | -2 | -2 |
|                | Middle  | 6705 | MCS0 | -2 | -3 | -2 | -2 |
|                | Highest | 6785 | MCS0 | -1 | -3 | -2 | -2 |
| 802.11ax he160 | Middle  | 6665 | MCS0 | 2  | 2  | 0  | 2  |

**Crossed U-NII 7 and U-NII 8:**

|                |            |      |      |    |    |    |    |
|----------------|------------|------|------|----|----|----|----|
| 802.11ax he20  | Additional | 6875 | MCS0 | -6 | -8 | -7 | -8 |
| 802.11ax he40  | Additional | 6885 | MCS0 | -3 | -6 | -4 | -5 |
| 802.11ax he80  | Additional | 6865 | MCS0 | -1 | -3 | -2 | -2 |
| 802.11ax he160 | Additional | 6825 | MCS0 | 2  | 1  | 3  | 2  |

**U-NII 8 Band(6875-7125 MHz):**

|                |         |      |      |    |    |    |    |
|----------------|---------|------|------|----|----|----|----|
| 802.11ax he20  | Lowest  | 6895 | MCS0 | -6 | -8 | -7 | -8 |
|                | Middle  | 7015 | MCS0 | -6 | -8 | -7 | -8 |
|                | Highest | 7095 | MCS0 | -9 | -8 | -7 | -8 |
| 802.11ax he40  | Lowest  | 6925 | MCS0 | -3 | -6 | -4 | -5 |
|                | Middle  | 7005 | MCS0 | -3 | -5 | -4 | -5 |
|                | Highest | 7085 | MCS0 | -6 | -5 | -4 | -4 |
| 802.11ax he80  | Lowest  | 6945 | MCS0 | 0  | -1 | 0  | -2 |
|                | Highest | 7025 | MCS0 | -2 | -1 | 0  | -2 |
| 802.11ax he160 | Middle  | 6985 | MCS0 | 3  | 2  | 3  | 2  |

Note:

1. The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.
2. The device supports SISO and MIMO in all modes, per pretest, 4T4R mode was the worst mode and reported for 802.11ax modes.
3. For 802.11ax mode, the device not support partial RU mode.

**3.3 Support Equipment List and Details**

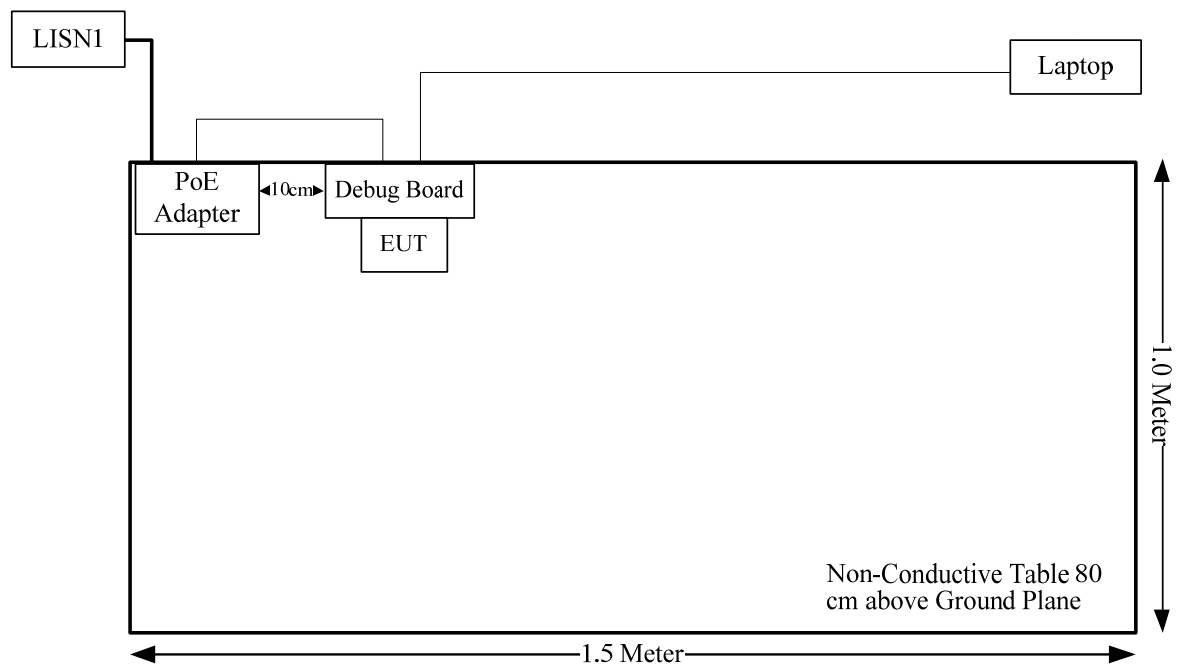
| Manufacturer | Description      | Model            | Serial Number |
|--------------|------------------|------------------|---------------|
| /            | Debug board      | /                | EMF35JF9903   |
| Lenovo       | Laptop           | G510             | CB30920865    |
| /            | PoE Power Supply | LZD201-24W-48V-G | EZ204233F3G   |

### 3.4 Support Cable List and Details

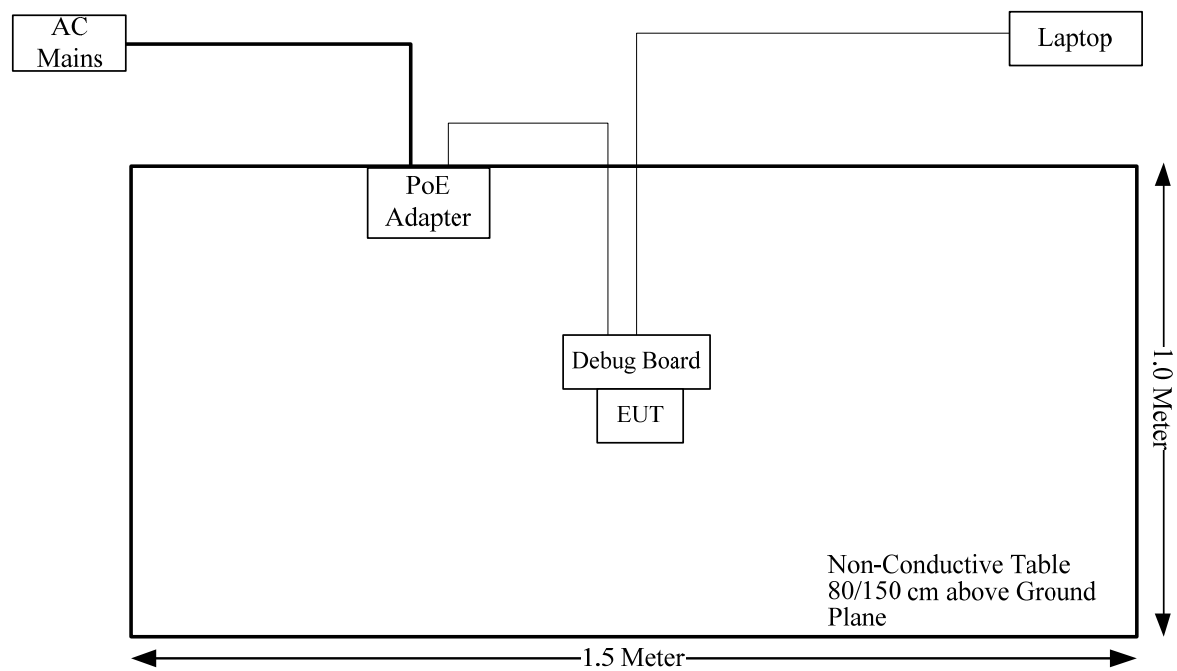
| Cable Description | Shielding Type | Ferrite Core | Length (m) | From Port        | To          |
|-------------------|----------------|--------------|------------|------------------|-------------|
| AC Cable          | No             | No           | 0.8        | LISN             | PoE         |
| RJ45 Cable        | No             | No           | 1.5        | POE Power Supply | Debug board |
| RJ45 Cable        | No             | No           | 10         | Debug board      | Laptop      |

### 3.5 Block Diagram of Test Setup

AC line conducted emissions:



## Spurious Emissions:



### 3.6 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 829273, the FCC Designation No. : CN5044.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

### 3.7 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

| Parameter                         | Measurement Uncertainty                                                                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Occupied Channel Bandwidth        | ±5 %                                                                                                                                                  |
| RF output power, conducted        | ±0.61dB                                                                                                                                               |
| Power Spectral Density, conducted | ±0.61 dB                                                                                                                                              |
| Unwanted Emissions, radiated      | 9kHz~30MHz: 3.3dB, 30MHz~200MHz: 4.55 dB, 200MHz~1GHz: 5.92 dB, 1GHz~6GHz: 4.98 dB, 6GHz~18GHz: 5.89 dB, 18GHz~26.5GHz:5.47 dB, 26.5GHz~40GHz:5.63 dB |
| Unwanted Emissions, conducted     | ±2.47 dB                                                                                                                                              |
| Temperature                       | ±1 °C                                                                                                                                                 |
| Humidity                          | ±5%                                                                                                                                                   |
| DC and low frequency voltages     | ±0.4%                                                                                                                                                 |
| Duty Cycle                        | 1%                                                                                                                                                    |
| AC Power Lines Conducted Emission | 3.11 dB (150 kHz to 30 MHz)                                                                                                                           |

## 4. REQUIREMENTS AND TEST PROCEDURES

### 4.1 AC Line Conducted Emissions

#### 4.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

| Frequency of emission (MHz) | Conducted limit (dB $\mu$ V) |           |
|-----------------------------|------------------------------|-----------|
|                             | Quasi-peak                   | Average   |
| 0.15-0.5                    | 66 to 56*                    | 56 to 46* |
| 0.5-5                       | 56                           | 46        |
| 5-30                        | 60                           | 50        |

\*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000  $\mu$ V within the frequency band 535-1705 kHz, as measured using a 50  $\mu$ H/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

## RSS-Gen Clause 8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50  $\mu$ H / 50  $\Omega$  line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT. For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

**Table 4 – AC power-line conducted emissions limits**

| Frequency<br>(MHz) | Conducted limit (dB $\mu$ V) |                       |
|--------------------|------------------------------|-----------------------|
|                    | Quasi-peak                   | Average               |
| 0.15 - 0.5         | 66 to 56 <sup>1</sup>        | 56 to 46 <sup>1</sup> |
| 0.5 – 5            | 56                           | 46                    |
| 5 – 30             | 60                           | 50                    |

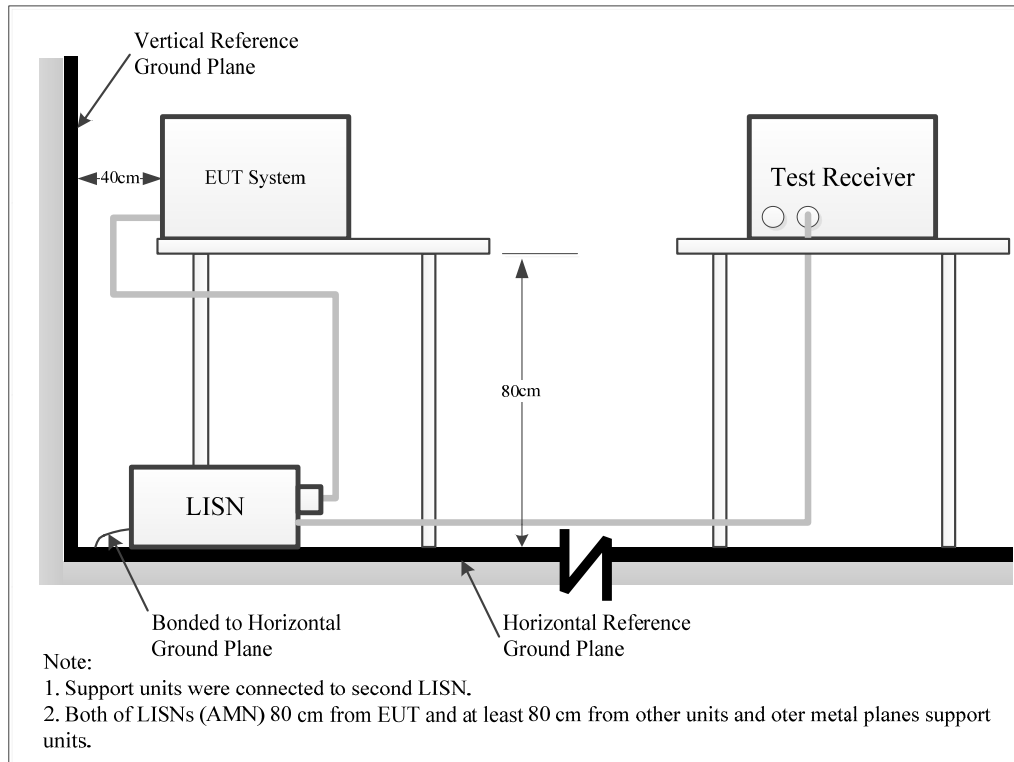
**Note 1:** The level decreases linearly with the logarithm of the frequency.

For an EUT with a permanent or detachable antenna operating between 150 kHz and 30 MHz, the AC power-line conducted emissions must be measured using the following configurations:

(a) Perform the AC power-line conducted emissions test with the antenna connected to determine compliance with the limits of table 4 outside the transmitter's fundamental emission band.

(b) Retest with a dummy load instead of the antenna to determine compliance with the limits of table 4 within the transmitter's fundamental emission band. For a detachable antenna, remove the antenna and connect a suitable dummy load to the antenna connector. For a permanent antenna, remove the antenna and terminate the RF output with a dummy load or network that simulates the antenna in the fundamental frequency band.

#### 4.1.2 EUT Setup



The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207, RSS-Gen limits.

The spacing between the peripherals was 10cm.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

#### 4.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | IF B/W |
|------------------|--------|
| 150 kHz – 30 MHz | 9 kHz  |



#### 4.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase (“hot”) line(s) and (if used) on the neutral line(s), but not on the ground[protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

#### 4.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor=attenuation caused by cable loss + voltage division factor of AMN

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

#### 4.1.6 Test Result

Please refer to section 5.1.

## 4.2 Radiation Spurious Emissions

### 4.2.1 Applicable Standard

FCC §15.407 (b);

- (6) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.
- (10) The provisions of § 15.205 apply to intentional radiators operating under this section.

RSS-248 Clause 4.6.1 This section specifies measurement requirements for unwanted emission limits for RLAN devices. Measurement requirements

The power of the unwanted emissions shall be measured in terms of average value.

Measurements shall employ a resolution bandwidth of 1 MHz. A narrower resolution bandwidth may be used, provided the measured power is integrated over 1 MHz. Measurements of the unwanted emissions shall be performed and reported using the lowest and highest channels that the device supports.

For purposes of this section, the channel bandwidth is identical to the occupied bandwidth or the 26 dB emission bandwidth, whereas the channel edges are the outermost frequency points that define the channel bandwidth.

If the transmission is in bursts, the provisions for pulsed operation in RSS-Gen shall apply.

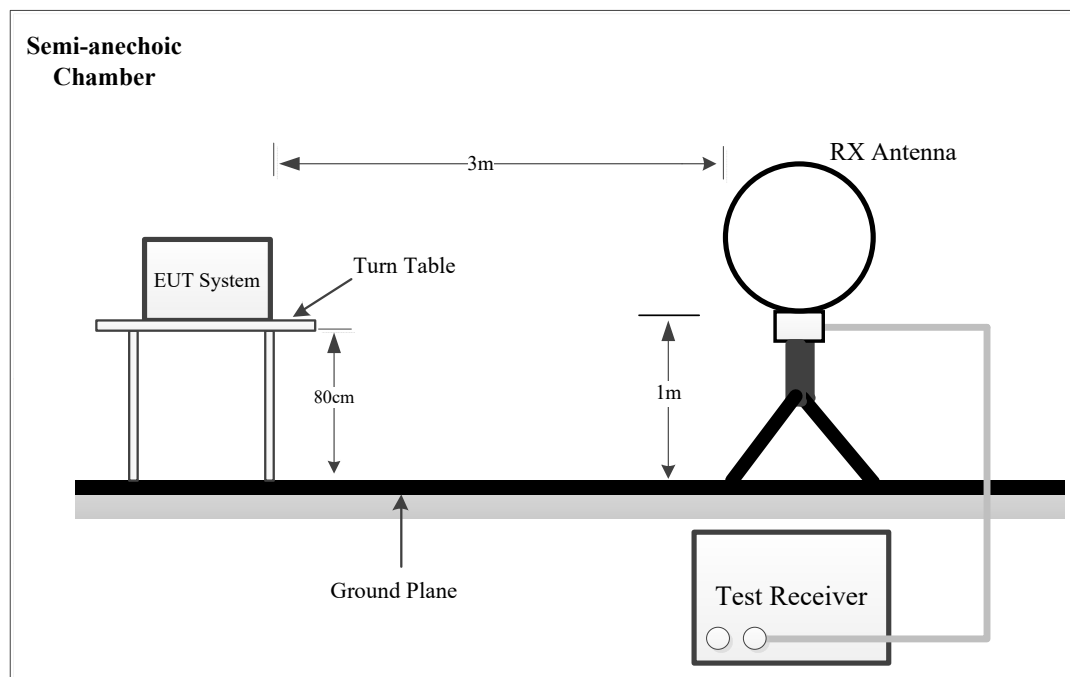
RSS-248 Clause 4.6. 2 Unwanted emission limits

The following unwanted emission limits shall apply:

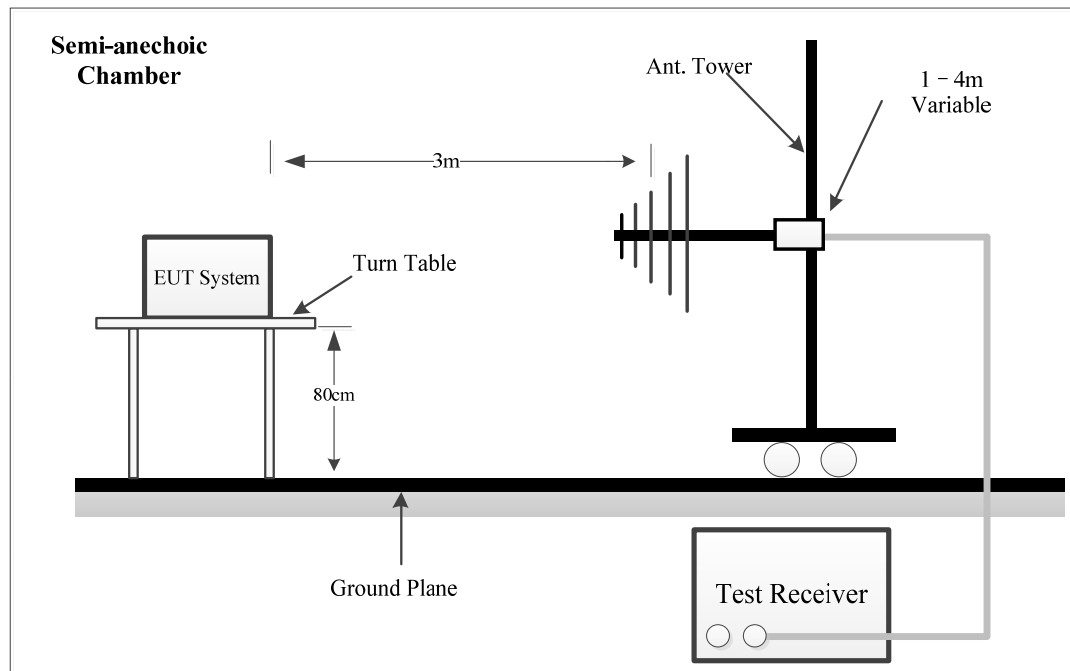
- a. Any emissions outside of the 5925-7125 MHz frequency band shall not exceed  $-27$  dbm/MHz e.i.r.p. Spectral density

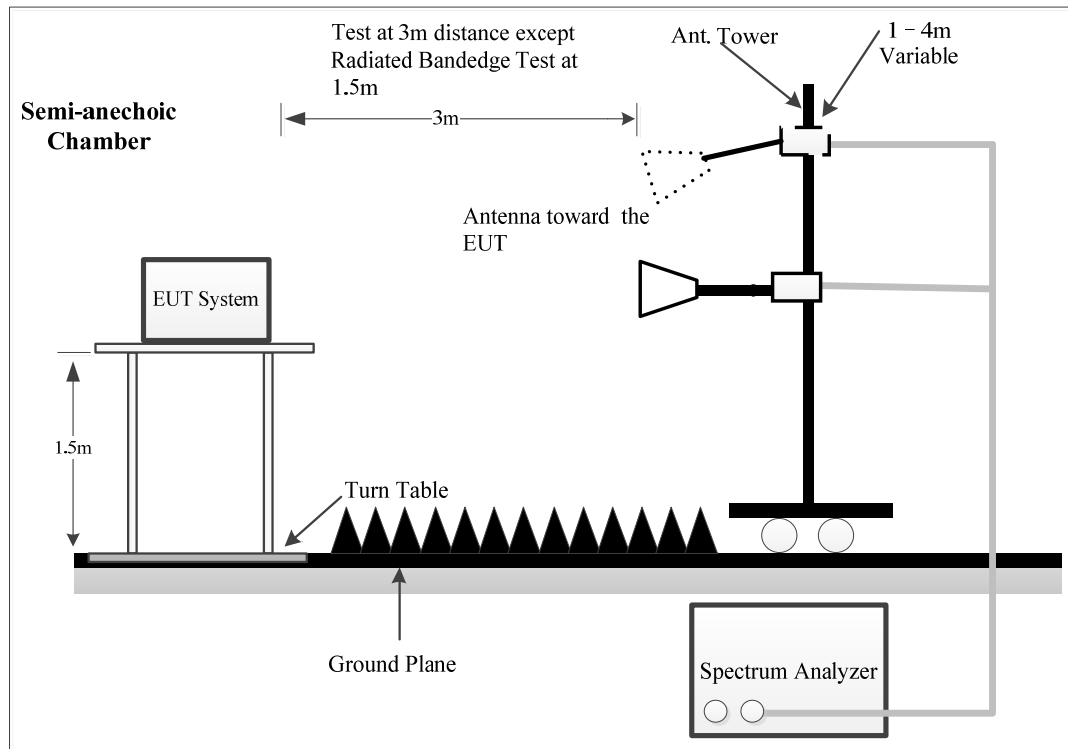
#### 4.2.2 EUT Setup

9kHz~30MHz:



30MHz~1GHz:



**Above 1GHz:**

The radiated emission tests were performed in the semi-anechoic chamber, using the setup accordance with the ANSI C63.10-2013. The specification used was FCC 15.209, FCC 15.407, RSS-248 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

**4.2.3 EMI Test Receiver & Spectrum Analyzer Setup**

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

9kHz-1000MHz:

| Frequency Range   | Measurement | RBW     | Video B/W | IF B/W  |
|-------------------|-------------|---------|-----------|---------|
| 9 kHz – 150 kHz   | QP/AV       | 200 Hz  | 1 kHz     | 200 Hz  |
| 150 kHz – 30 MHz  | QP/AV       | 9 kHz   | 30 kHz    | 9 kHz   |
| 30 MHz – 1000 MHz | PK          | 100 kHz | 300 kHz   | /       |
|                   | QP          | /       | /         | 120 kHz |

1GHz- 40GHz:

| Measurement | Duty cycle | RBW  | Video B/W |
|-------------|------------|------|-----------|
| PK          | Any        | 1MHz | 3 MHz     |
| Ave.        | >98%       | 1MHz | 10 Hz     |
|             | <98%       | 1MHz | ≥1/T      |

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP limit more than 6dB, then it is unnecessary to perform an QP measurement.

If the maximized peak measured value complies with under the Average limit, then it is unnecessary to perform an Average measurement.

#### 4.2.4 Test Procedure

During the radiated emission test, the adapter was connected to the first AC floor outlet.

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz -1 GHz, except 9-90 kHz, 110-490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as:  $E [dB\mu V/m] = EIRP[dBm] + 95.2$ , for  $d = 3$  meters.

For Radiated Bandedge test, which was performed at 1.5 m distance, according to C63.10, the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m

Distance extrapolation Factor =  $20 \log (\text{specific distance } [3m] / \text{test distance } [1.5m])$  dB = 6.0 dB

All emissions under the average limit and under the noise floor have not recorded in the report.

#### 4.2.5 Corrected Result & Margin Calculation

The basic equation is as follows:

Factor = Antenna Factor + Cable Loss - Amplifier Gain

Corrected Amplitude = Reading + Factor

Extrapolation Result = Corrected Amplitude - Extrapolation Factor

For Radiated Bandedge test: Extrapolation Factor = 6.0 dB

For other emission test: Extrapolation Factor = 0 dB

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Extrapolation Result

#### 4.2.6 Test Result

Please refer to section 5.2.

### 4.3 26 dB Emission Bandwidth

#### 4.3.1 Applicable Standard

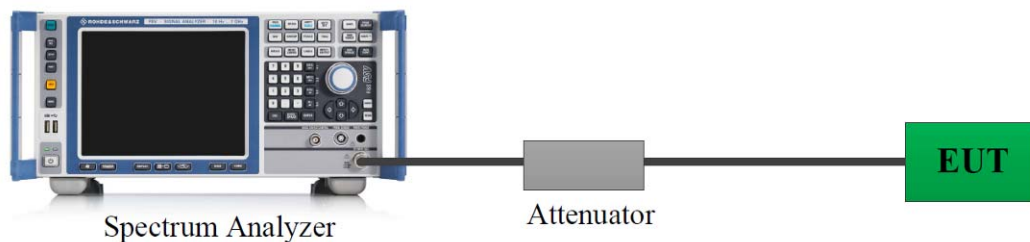
FCC§15.407(a)(11)

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

RSS-248 Clause 4.4

The occupied bandwidth of an RLAN device shall not exceed 320 MHz.

#### 4.3.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer.

#### 4.3.3 Test Procedure

Test Method: KDB789033 D02 Clause II.C

##### Emission Bandwidth (EBW)

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- 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%.
- For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW)  $\geq 3 \times$  RBW.
- Measure and record the results in the test report.

#### 4.3.4 Test Result

Please refer to section 5.3.

## 4.4 99% Occupied Bandwidth

### 4.4.1 Applicable Standard

RSS-Gen Clause 6.7

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs. In some cases, the “x dB bandwidth” is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth: The transmitter shall be operated at its maximum carrier power measured under normal test conditions. The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.

The detector of the spectrum analyzer shall be set to “Sample”. However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or “Max Hold”) may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.

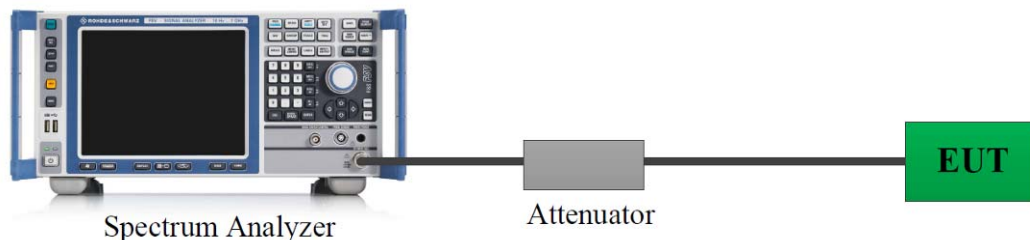
The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value.

Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

### 4.4.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer.

#### 4.4.3 Test Procedure

According to ANSI C63.10-2013 Section 6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than  $[10 \log (OBW/RBW)]$  below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

#### 4.4.4 Test Result

Please refer to section 5.4.



## 4.5 Maximum EIRP

### 4.5.1 Applicable Standard

FCC §15.407(a) (8)

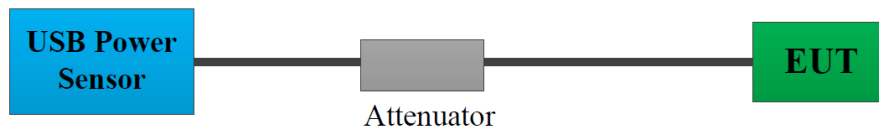
For client devices operating under the control of an indoor access point in the 5.925–7.125 GHz bands, the maximum power spectral density must not exceed  $-1$  dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

RSS-248 Clause 4.5.3 Power limits for low-power client devices

The following limits shall apply to low-power client devices:

- a. the maximum e.i.r.p. spectral density shall not exceed  $-1$  dBm/MHz and
- b. the maximum e.i.r.p. over the 5925-7125 MHz frequency band shall not exceed 24 dBm

### 4.5.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer. The cable loss of this RF cable was offset into the setting of test equipment, which was provided by manufacturer▲.

### 4.5.3 Test Procedure

Test Method: KDB789033 D02 Clause II.E.3 b)

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

### 4.5.4 Test Result

Please refer to section 5.5.

## 4.6 Maximum power spectral density

### 4.6.1 Applicable Standard

FCC §15.407(a) (8)

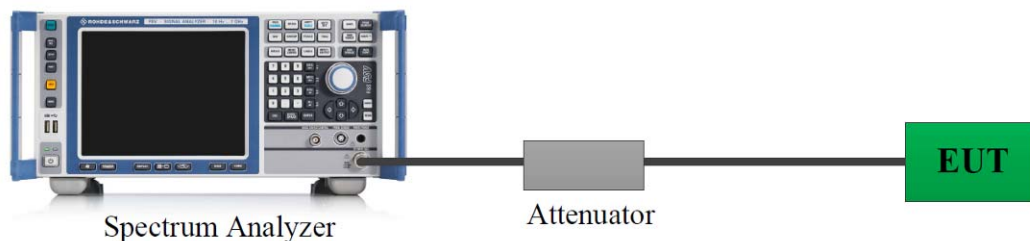
For client devices operating under the control of an indoor access point in the 5.925–7.125 GHz bands, the maximum power spectral density must not exceed  $-1$  dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

RSS-248 Clause 4.5.3 Power limits for low-power client devices

The following limits shall apply to low-power client devices:

- a. the maximum e.i.r.p. spectral density shall not exceed  $-1$  dBm/MHz and
- b. the maximum e.i.r.p. over the 5925-7125 MHz frequency band shall not exceed 24 dBm

### 4.6.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer. The cable loss of this RF cable was offset into the setting of test equipment, which was provided by manufacturer▲.

### 4.6.3 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

**Duty cycle  $\geq 98\%$**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

**Duty cycle  $< 98\%$ , duty cycle variations are less than  $\pm 2\%$**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

**Duty cycle  $< 98\%$ , duty cycle variations exceed  $\pm 2\%$**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

### 4.6.4 Test Result

Please refer to section 5.6.

## 4.7 In-Band Emission

### 4.7.1 Applicable Standard

FCC§15.407(b) (7)

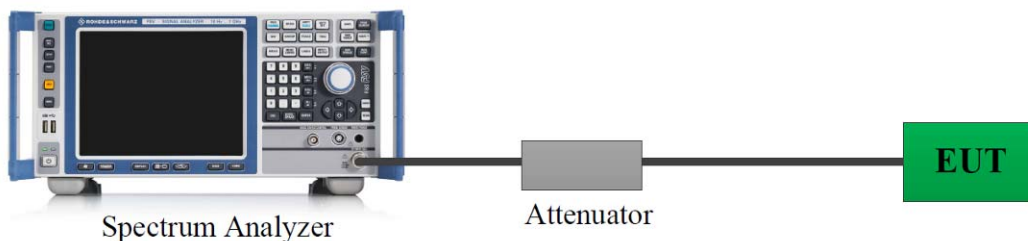
For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

RSS-248 Clause 4.6.2 b

the e.i.r.p. spectral density of unwanted emissions falling into the 5925-7125 MHz frequency band shall be attenuated below the reference power spectral density by:

- i. 20 dB at 1 MHz away from the channel edges
- ii. a value, linearly interpolated in a dB scale, between 20 dB and 28 dB at frequencies between 1 MHz outside of channel edges and 1 channel bandwidth away from the operating channel centre, respectively
- iii. 28 dB at 1 channel bandwidth away from the operating channel centre
- iv. a value, linearly interpolated in a dB scale, between 28 dB and 40 dB at frequencies between 1 channel bandwidth away from the operating channel centre and 1.5 times the channel bandwidth away from the operating channel centre, respectively
- v. 40 dB at 1.5 times the channel bandwidth away from the operating channel centre
- vi. a minimum of 40 dB at frequencies that are further away than 1.5 times the channel bandwidth from the operating channel centre

### 4.7.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer.

### 4.7.3 Test Procedure

According to KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01 Clause J

1. Connect output of the antenna port to a spectrum analyzer or EMI receiver, with appropriate attenuation, as to not damage the instrumentation.
2. Set the reference level of the measuring equipment in accordance with procedure 4.1.5.2 of ANSI C63.10-2013.
3. Take nominal bandwidth as reference channel bandwidth provided that 26 dB emission bandwidth is always larger than nominal bandwidth.
4. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:

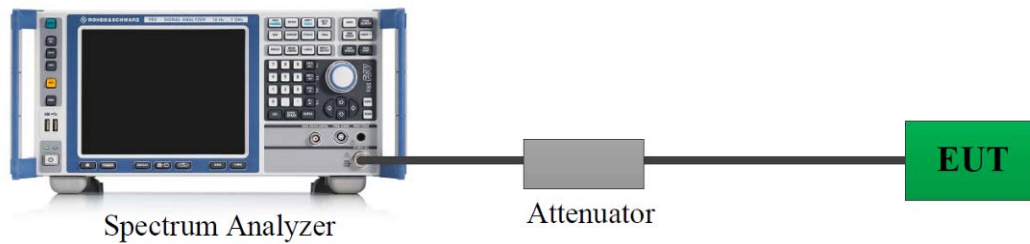
- a) Set the span to encompass the entire 26 dB EBW of the signal.
  - b) Set RBW = same RBW used for 26 dB EBW measurement.
  - c) Set VBW  $\geq 3 \times$  RBW
  - d) Number of points in sweep  $\geq [2 \times \text{span} / \text{RBW}]$ .
  - e) Sweep time = auto.
  - f) Detector = RMS (i.e., power averaging)
  - g) Trace average at least 100 traces in power averaging (rms) mode.
  - h) Use the peak search function on the instrument to find the peak of the spectrum.
5. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
6. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
- a. Suppressed by 20 dB at 1 MHz outside of the channel edge.
  - b. Suppressed by 28 dB at one channel bandwidth from the channel center.
  - c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
7. Adjust the span to encompass the entire mask as necessary.
8. Clear trace.
9. Trace average at least 100 traces in power averaging (rms) mode.
10. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

#### 4.7.4 Test Result

Please refer to section 5.7.

## 4.8 Duty Cycle

### 4.8.1 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer.

### 4.8.2 Test Procedure

According to ANSI C63.10-2013 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set  $RBW \geq OBW$  if possible; otherwise, set RBW to the largest available value.
- 3) Set  $VBW \geq RBW$ . Set detector = peak or average.
- 4) The zero-span measurement method shall not be used unless both RBW and VBW are  $> 50/T$  and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if  $T \leq 16.7 \mu s$ .)

### 4.8.3 Judgment

Report Only. Please refer to section 5.7.

## 4.9 Contention Based Protocol

### 4.9.1 Applicable Standard

FCC 15.407(d) (6) & KDB 98754 D02.

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band ( herein referred to as unlicensed devices ) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band . To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band , unlicensed low power indoor devices must vacate the channel ( in which incumbent signal is transmitted ) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62dBm). The -62dBm (or lower)

Threshold is referenced to a 0dBi antenna gain.

To ensure incumbent operations are reliably detected in the band , low power indoor devices must detect RF energy throughout intended operating channel . For example , an 802 .device that plans to transmit a

40 MHz-wide signal ( on a primary 20 MHz channel and a secondary 20 MHz channel ) must detect energy throughout the entire 40 MHz channel. Additionally , low-power indoor devices must detect co-channel energy with 90% or greater certainty .

**Table 1. Criteria to determine number of times detection threshold test may be performed**

| If                                    | Number of Tests                                              | Placement of Incumbent Transmission                                                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $BW_{EUT} \leq BW_{Inc}$              | Once                                                         | Tune incumbent and EUT transmissions ( $f_{c1} = f_{c2}$ )                                                                                                                                   |
| $BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$  | Once                                                         | Incumbent transmission is contained within $BW_{EUT}$                                                                                                                                        |
| $2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$ | Twice. Incumbent transmission is contained within $BW_{EUT}$ | Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel                                                                  |
| $BW_{EUT} > 4BW_{Inc}$                | Three times                                                  | Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel |

where:

$BW_{EUT}$ : Transmission bandwidth of EUT signal

$BW_{Inc}$ : Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)

$f_{c1}$ : Center frequency of EUT transmission

$f_{c2}$ : Center frequency of simulated incumbent signal

A RSS-248 Clause 4.7

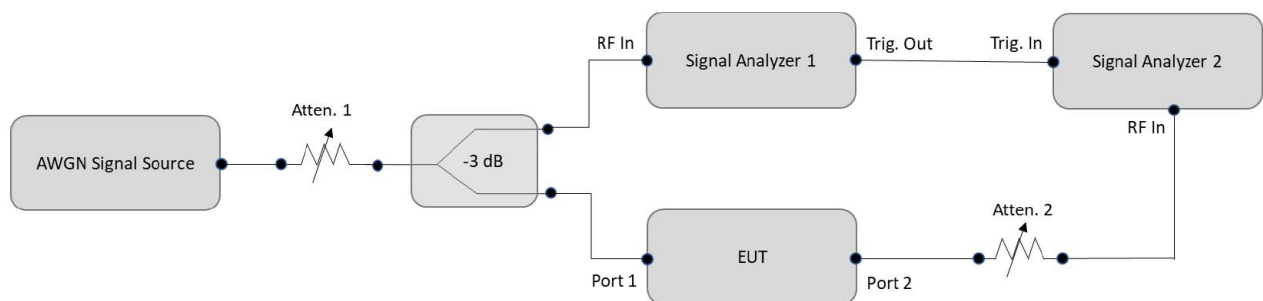
This section sets out the requirements for the use of a contention-based protocol. Low-power indoor access points, indoor subordinate devices, and low-power client devices shall employ a contention-based protocol.

The FCC's accepted KDB procedures listed on ISED's Certification and Engineering Bureau website (see the Normative Test Standards and Acceptable Alternate Procedures page) shall be used to demonstrate the compliance of a device with the contention-based protocol requirements set out in this section.

The minimum detection threshold power is the received power referenced to a 0 dBi antenna. Devices shall use a contention-based protocol to detect the presence of any emissions on the channel that the device intends to occupy. The device shall be able to detect, within its entire occupied bandwidth, a radio frequency power of at least -62 dBm or lower.

If an emission is detected on a channel, the device shall cease transmissions and shall not resume transmissions on this channel while the detected radio frequency power is at or above the -62 dBm threshold.

#### 4.9.2 EUT Setup



**Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup**

#### 4.9.3 Test Procedure

According to KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01 Clause I

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EEUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
4. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
5. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
6. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
7. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.

8. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
9. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
10. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

#### **4.9.4 Test Result**

Please refer to section 5.9.



## 4.10 Antenna Requirement

### 4.10.1 Applicable Standard

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

RSS-Gen Clause 6.8

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

### 4.10.2 Judgment

**Result: Compliant.** Please refer to the Antenna Information detail in Section 1.

## 4.11 Operational requirements

### 4.11.1 Applicable Standard

RSS-248 Clause 4.8 Operational requirements

This section sets out operational requirements for RLAN devices. The following operational requirements shall apply to RLAN devices:

a. Devices shall automatically stop transmitting if there is an absence of information to transmit or an operational failure. Note that the intention is not to prohibit either the transmission of control or signalling information, or the use of repetitive codes, where one or both are required by the technology. An explanation of how to stop transmitting shall be included in the certification filing.

b. Devices shall not be used for control of or communications with unmanned aircraft systems.

RSS-248 Clause 4.8.2 Standard client devices and low-power client devices

For standard client devices and low-power client devices, the following requirements shall apply:

- a. devices shall not connect directly to another standard client device or low-power client device
- b. these devices may transmit brief messages to an access point after detecting a signal confirming that the access point is operating on a particular frequency, in order to join the access point's network

### 4.10.2 Judgment

**Result: Compliant.**

The device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. Please refer to the declaration.

The devices are not be used for control of or communications with unmanned aircraft systems.

No devices can connect directly to this device. Please refer to the declaration.

These devices may transmit brief messages to an access point after detecting a signal confirming that the access point is operating on a particular frequency, in order to join the access point's network.

## 5. Test DATA AND RESULTS

### 5.1 AC Line Conducted Emissions

|                |          |              |              |
|----------------|----------|--------------|--------------|
| Serial Number: | 2I3G-3   | Test Date:   | 2024/3/14    |
| Test Site:     | CE       | Test Mode:   | Transmitting |
| Tester:        | Lane Sun | Test Result: | Pass         |

#### Environmental Conditions:

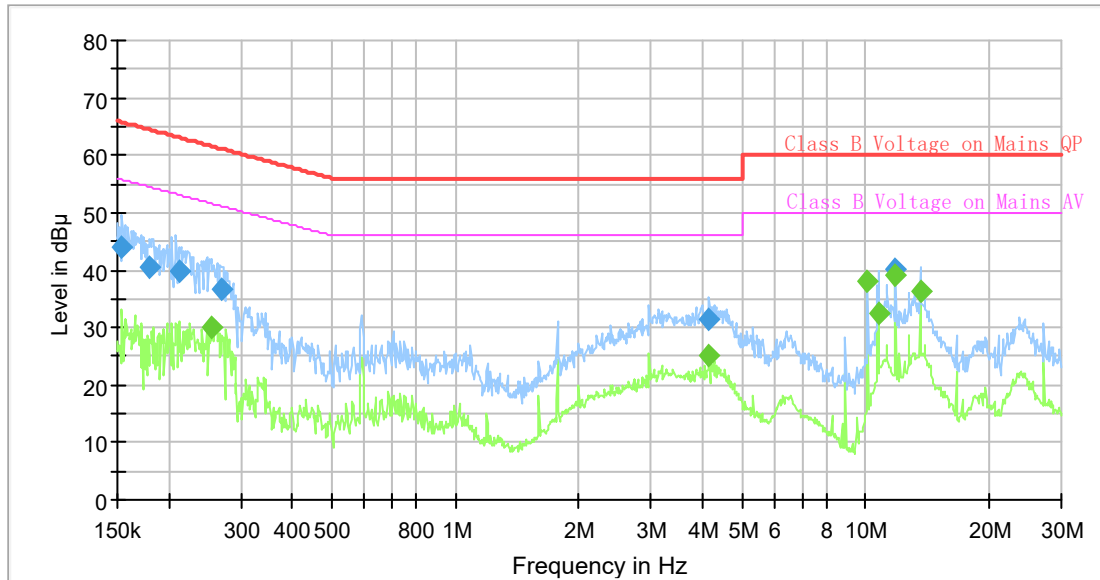
|                      |      |                              |    |                        |       |
|----------------------|------|------------------------------|----|------------------------|-------|
| Temperature:<br>(°C) | 21.6 | Relative<br>Humidity:<br>(%) | 59 | ATM Pressure:<br>(kPa) | 101.1 |
|----------------------|------|------------------------------|----|------------------------|-------|

#### Test Equipment List and Details:

| Manufacturer | Description       | Model     | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------|-----------|---------------|------------------|----------------------|
| R&S          | LISN              | ENV216    | 101614        | 2023/10/18       | 2024/10/17           |
| MICRO-COAX   | Coaxial Cable     | C-NJNJ-50 | C-0200-01     | 2023/9/5         | 2024/9/4             |
| R&S          | EMI Test Receiver | ESCI      | 100035        | 2023/8/18        | 2024/8/17            |
| R&S          | Test Software     | EMC32     | V9.10.00      | N/A              | N/A                  |

*\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

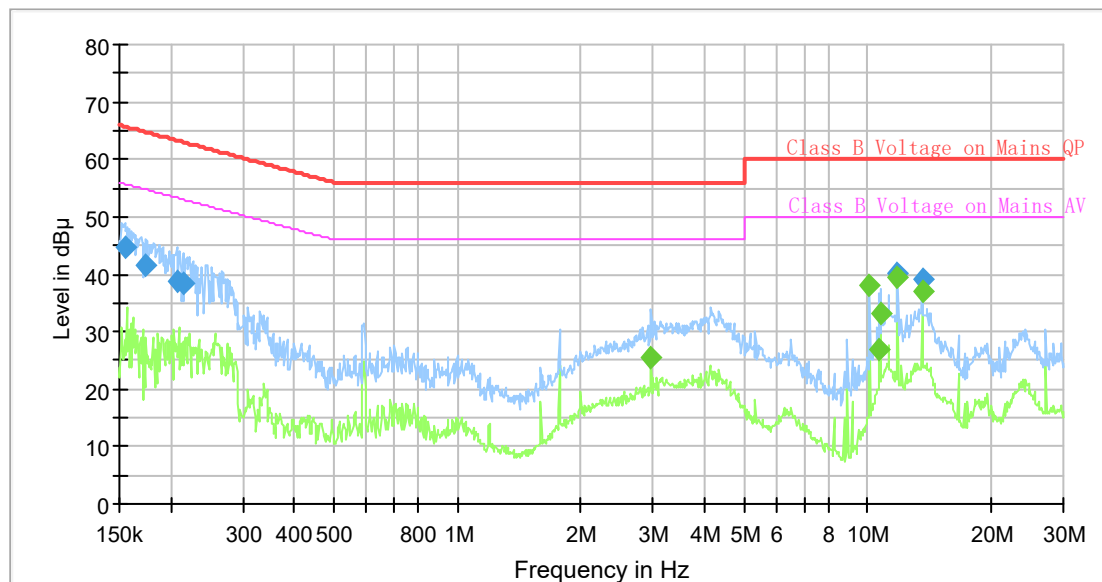
Project No: DG2240228-09775E-RF  
Test Engineer: Lane Sun  
Test Date: 2024-3-14  
Port: L  
Test Mode: Transmitting  
Power Source: AC 120V/60Hz  
Note: 802.11ax he160 6985MHz



## Final Result

| Frequency (MHz) | QuasiPeak (dB $\mu$ V) | Average (dB $\mu$ V) | Limit (dB $\mu$ V) | Margin (dB) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------------|----------------------|--------------------|-------------|-----------------|------|------------|
| 0.153788        | 44.18                  | ---                  | 65.79              | 21.61       | 9.000           | L1   | 10.8       |
| 0.180400        | 40.43                  | ---                  | 64.47              | 24.04       | 9.000           | L1   | 10.8       |
| 0.211616        | 39.98                  | ---                  | 63.14              | 23.16       | 9.000           | L1   | 10.8       |
| 0.255776        | ---                    | 29.90                | 51.57              | 21.67       | 9.000           | L1   | 10.8       |
| 0.270201        | 36.54                  | ---                  | 61.11              | 24.57       | 9.000           | L1   | 10.8       |
| 4.156123        | 31.39                  | ---                  | 56.00              | 24.61       | 9.000           | L1   | 10.8       |
| 4.156123        | ---                    | 25.19                | 46.00              | 20.81       | 9.000           | L1   | 10.8       |
| 10.098279       | ---                    | 38.01                | 50.00              | 11.99       | 9.000           | L1   | 10.8       |
| 10.774725       | ---                    | 32.57                | 50.00              | 17.43       | 9.000           | L1   | 10.8       |
| 11.845717       | ---                    | 39.22                | 50.00              | 10.78       | 9.000           | L1   | 10.8       |
| 11.845717       | 40.18                  | ---                  | 60.00              | 19.82       | 9.000           | L1   | 10.8       |
| 13.621066       | ---                    | 36.35                | 50.00              | 13.65       | 9.000           | L1   | 10.8       |

Project No: DG2240228-09775E-RF  
Test Engineer: Lane Sun  
Test Date: 2024-3-14  
Port: N  
Test Mode: Transmitting  
Power Source: AC 120V/60Hz  
Note: 802.11ax he160 6985MHz



## Final Result

| Frequency (MHz) | QuasiPeak (dB $\mu$ V) | Average (dB $\mu$ V) | Limit (dB $\mu$ V) | Margin (dB) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------------|----------------------|--------------------|-------------|-----------------|------|------------|
| 0.154557        | 44.62                  | ---                  | 65.75              | 21.13       | 9.000           | N    | 10.9       |
| 0.174210        | 41.54                  | ---                  | 64.76              | 23.22       | 9.000           | N    | 10.9       |
| 0.207437        | 38.95                  | ---                  | 63.31              | 24.36       | 9.000           | N    | 10.8       |
| 0.214807        | 38.47                  | ---                  | 63.02              | 24.55       | 9.000           | N    | 10.8       |
| 2.960712        | ---                    | 25.33                | 46.00              | 20.67       | 9.000           | N    | 10.9       |
| 10.098279       | ---                    | 38.17                | 50.00              | 11.83       | 9.000           | N    | 10.9       |
| 10.667780       | ---                    | 26.98                | 50.00              | 23.02       | 9.000           | N    | 10.9       |
| 10.774725       | ---                    | 33.22                | 50.00              | 16.78       | 9.000           | N    | 10.9       |
| 11.845717       | 40.16                  | ---                  | 60.00              | 19.84       | 9.000           | N    | 10.9       |
| 11.845717       | ---                    | 39.33                | 50.00              | 10.67       | 9.000           | N    | 10.9       |
| 13.621066       | ---                    | 37.00                | 50.00              | 13.00       | 9.000           | N    | 10.9       |
| 13.621066       | 39.15                  | ---                  | 60.00              | 20.85       | 9.000           | N    | 10.9       |

**5.2 Radiation Spurious Emissions**

|                |                        |              |                                                           |
|----------------|------------------------|--------------|-----------------------------------------------------------|
| Serial Number: | 2I3G-3                 | Test Date:   | Below 1GHz: 2024/3/27<br>Above 1GHz:<br>2024/4/8~2024/4/9 |
| Test Site:     | Chamber 10m, Chamber B | Test Mode:   | Transmitting                                              |
| Tester:        | Alan Xie, Bill Yang    | Test Result: | Pass                                                      |

**Environmental Conditions:**

|                      |           |                           |       |                        |           |
|----------------------|-----------|---------------------------|-------|------------------------|-----------|
| Temperature:<br>(°C) | 21.6~25.3 | Relative Humidity:<br>(%) | 45~62 | ATM Pressure:<br>(kPa) | 100.5~102 |
|----------------------|-----------|---------------------------|-------|------------------------|-----------|

**Test Equipment List and Details:**

| Manufacturer          | Description                       | Model                     | Serial Number     | Calibration Date | Calibration Due Date |
|-----------------------|-----------------------------------|---------------------------|-------------------|------------------|----------------------|
| 9kHz~1000MHz          |                                   |                           |                   |                  |                      |
| EMCO                  | Passive Loop Antenna              | 6512                      | 9706-1206         | 2023/10/21       | 2026/10/20           |
| Sunol Sciences        | Hybrid Antenna                    | JB3                       | A060611-3         | 2024/1/12        | 2027/1/11            |
| Wilson                | Attenuator                        | 859936                    | F-08-EM014        | 2023/7/1         | 2024/6/30            |
| Unknown               | Coaxial Cable                     | C-NJNJ-50                 | C-0075-01         | 2023/7/1         | 2024/6/30            |
| Unknown               | Coaxial Cable                     | C-NJNJ-50                 | C-0400-01         | 2023/7/1         | 2024/6/30            |
| Unknown               | Coaxial Cable                     | C-NJNJ-50                 | C-1400-01         | 2023/7/1         | 2024/6/30            |
| Sonoma                | Amplifier                         | 310N                      | 372193            | 2023/7/1         | 2024/6/30            |
| R&S                   | EMI Test Receiver                 | ESR3                      | 102453            | 2023/8/18        | 2024/8/17            |
| Audix                 | Test Software                     | E3                        | 191218 (V9)       | N/A              | N/A                  |
| Above 1GHz            |                                   |                           |                   |                  |                      |
| ETS-Lindgren          | Horn Antenna                      | 3115                      | 000 527 35        | 2023/9/7         | 2024/9/6             |
| Xinhang Macrowave     | Coaxial Cable                     | XH750A-N/J-SMA/J-10M      | 20231117004 #0001 | 2023/11/17       | 2024/11/16           |
| Audix                 | Test Software                     | E3                        | 191218 (V9)       | N/A              | N/A                  |
| AH                    | Preamplifier                      | PAM-0118P                 | 469               | 2023/8/19        | 2024/8/18            |
| Ducommun Technologies | Horn Antenna                      | ARH-4223-02               | 1007726-03 1304   | 2023/2/22        | 2026/2/21            |
| Xinhang Macrowave     | Coaxial Cable                     | XH360A-2.92/J-2.92/J-6M-A | 20231208001 #0001 | 2023/12/11       | 2024/12/10           |
| AH                    | Preamplifier                      | PAM-1840VH                | 191               | 2023/9/7         | 2024/9/6             |
| Ducommun Technologies | Horn Antenna                      | ARH-2823-02               | 1007726-01 1302   | 2023/2/22        | 2026/2/21            |
| R&S                   | Spectrum Analyzer                 | FSV40                     | 101944            | 2023/10/18       | 2024/10/17           |
| Micro-tronics         | High Pass Filter                  | HPM50111                  | G217              | 2023/12/1        | 2024/11/30           |
| JD                    | Multiplex Switch Test Control Set | DT7220SCU                 | DQ77922           | 2023/8/6         | 2024/8/5             |
| JD                    | Filter Switch Unit                | DT7220FSU                 | DQ77925           | 2023/8/6         | 2024/8/5             |

\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Data:**

Please refer to the below table and plots.

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

**1) 9kHz~30MHz**

802.11ax he160 6985MHz was tested. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

## 2) 30MHz-1GHz

Project No.: DG2240228-09775E-RF

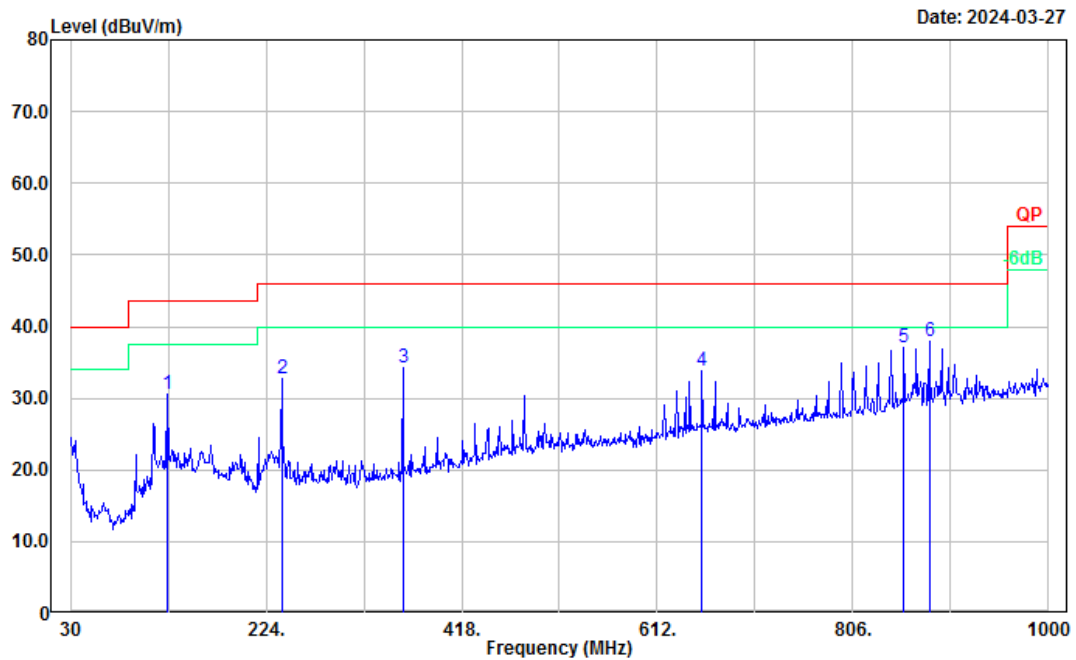
Serial No.: 2I3G-3

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11ax(he160)\_middle channel 6985MHz



| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 126.03          | 40.43          | -9.90         | 30.53           | 43.50          | 12.97       | Peak     |
| 2   | 239.52          | 43.66          | -10.96        | 32.70           | 46.00          | 13.30       | Peak     |
| 3   | 359.80          | 42.25          | -7.89         | 34.36           | 46.00          | 11.64       | Peak     |
| 4   | 656.62          | 34.75          | -0.92         | 33.83           | 46.00          | 12.17       | Peak     |
| 5   | 856.44          | 34.57          | 2.43          | 37.00           | 46.00          | 9.00        | Peak     |
| 6   | 881.66          | 35.04          | 2.88          | 37.92           | 46.00          | 8.08        | Peak     |



Project No.: DG2240228-09775E-RF

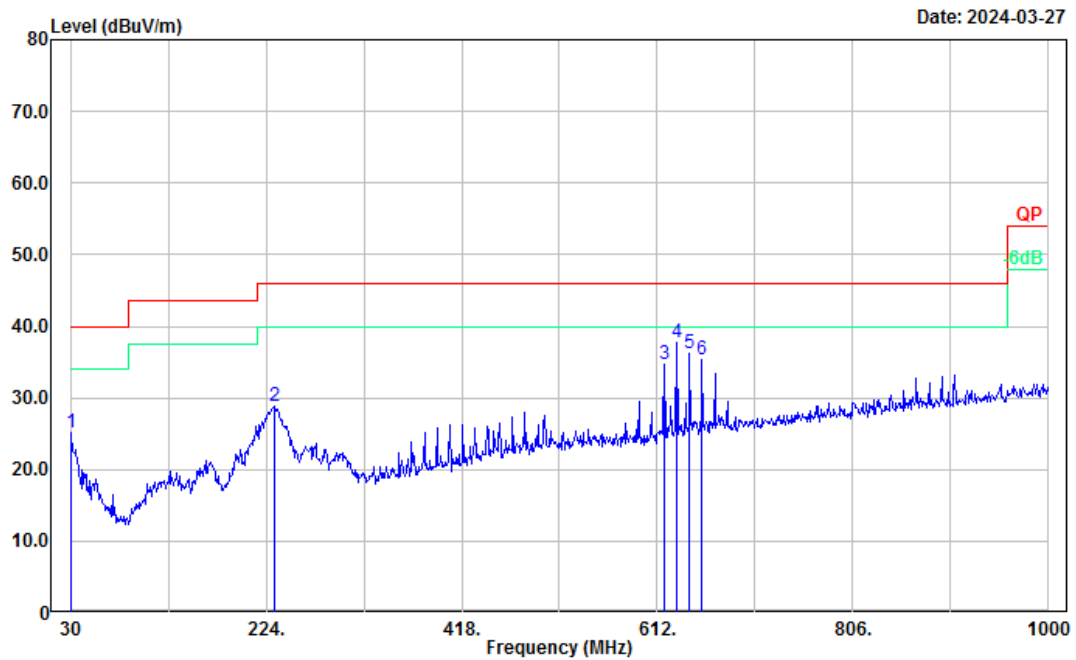
Serial No.: 2I3G-3

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11ax(he160)\_middle channel 6985MHz



| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 30.00           | 28.07          | -2.99         | 25.08           | 40.00          | 14.92       | Peak     |
| 2   | 231.76          | 39.65          | -10.89        | 28.76           | 46.00          | 17.24       | Peak     |
| 3   | 618.79          | 36.75          | -2.17         | 34.58           | 46.00          | 11.42       | Peak     |
| 4   | 631.40          | 39.51          | -1.76         | 37.75           | 46.00          | 8.25        | Peak     |
| 5   | 644.01          | 37.45          | -1.21         | 36.24           | 46.00          | 9.76        | Peak     |
| 6   | 656.62          | 36.17          | -0.92         | 35.25           | 46.00          | 10.75       | Peak     |

**3) 1-40GHz:****5925-6425MHz:**

802.11ax he20 Mode\_Low Channel

Frequency 5955 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 5850.00   | 31.99    | PK       | H          | 34.12  | 1.88       | 0.00           | 67.99               | 61.99                | 88.20  | 26.21  |
| 5850.00   | 19.88    | AV       | H          | 34.12  | 1.88       | 0.00           | 55.88               | 49.88                | 68.20  | 18.32  |
| 5850.00   | 30.83    | PK       | V          | 34.12  | 1.88       | 0.00           | 66.83               | 60.83                | 88.20  | 27.37  |
| 5850.00   | 19.24    | AV       | V          | 34.12  | 1.88       | 0.00           | 55.24               | 49.24                | 68.20  | 18.96  |
| 5925.00   | 32.32    | PK       | H          | 34.21  | 1.91       | 0.00           | 68.44               | 62.44                | 88.20  | 25.76  |
| 5925.00   | 20.22    | AV       | H          | 34.21  | 1.91       | 0.00           | 56.34               | 50.34                | 68.20  | 17.86  |
| 5925.00   | 31.49    | PK       | V          | 34.21  | 1.91       | 0.00           | 67.61               | 61.61                | 88.20  | 26.59  |
| 5925.00   | 19.67    | AV       | V          | 34.21  | 1.91       | 0.00           | 55.79               | 49.79                | 68.20  | 18.41  |
| 11910.00  | 43.46    | PK       | H          | 38.02  | 4.66       | 37.96          | 48.18               | 48.18                | 74.00  | 25.82  |
| 11910.00  | 33.74    | AV       | H          | 38.02  | 4.66       | 37.96          | 38.46               | 38.46                | 54.00  | 15.54  |
| 11910.00  | 45.89    | PK       | V          | 38.02  | 4.66       | 37.96          | 50.61               | 50.61                | 74.00  | 23.39  |
| 11910.00  | 35.74    | AV       | V          | 38.02  | 4.66       | 37.96          | 40.46               | 40.46                | 54.00  | 13.54  |

802.11ax he20 Mode\_middle channel

Frequency 6175 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12350.00  | 44.49    | PK       | H          | 38.07  | 4.66       | 38.23          | 48.99               | 48.99                | 74.00  | 25.01  |
| 12350.00  | 34.52    | AV       | H          | 38.07  | 4.66       | 38.23          | 39.02               | 39.02                | 54.00  | 14.98  |
| 12350.00  | 45.39    | PK       | V          | 38.07  | 4.66       | 38.23          | 49.89               | 49.89                | 74.00  | 24.11  |
| 12350.00  | 35.48    | AV       | V          | 38.07  | 4.66       | 38.23          | 39.98               | 39.98                | 54.00  | 14.02  |

802.11ax he20 Mode\_high channel

Frequency 6415 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12830.00  | 44.29    | PK       | H          | 38.43  | 4.64       | 39.18          | 48.18               | 48.18                | 88.20  | 40.02  |
| 12830.00  | 34.36    | AV       | H          | 38.43  | 4.64       | 39.18          | 38.25               | 38.25                | 68.20  | 29.95  |
| 12830.00  | 45.55    | PK       | V          | 38.43  | 4.64       | 39.18          | 49.44               | 49.44                | 88.20  | 38.76  |
| 12830.00  | 35.61    | AV       | V          | 38.43  | 4.64       | 39.18          | 39.50               | 39.5                 | 68.20  | 28.70  |

## 802.11ax he40 Mode\_Low Channel

Frequency 5965 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 5850.00   | 31.06    | PK       | H          | 34.12  | 1.88       | 0.00           | 67.06               | 61.06                | 88.20  | 27.14  |
| 5850.00   | 20.62    | AV       | H          | 34.12  | 1.88       | 0.00           | 56.62               | 50.62                | 68.20  | 17.58  |
| 5850.00   | 31.19    | PK       | V          | 34.12  | 1.88       | 0.00           | 67.19               | 61.19                | 88.20  | 27.01  |
| 5850.00   | 21.05    | AV       | V          | 34.12  | 1.88       | 0.00           | 57.05               | 51.05                | 68.20  | 17.15  |
| 5925.00   | 30.45    | PK       | H          | 34.21  | 1.91       | 0.00           | 66.57               | 60.57                | 88.20  | 27.63  |
| 5925.00   | 20.04    | AV       | H          | 34.21  | 1.91       | 0.00           | 56.16               | 50.16                | 68.20  | 18.04  |
| 5925.00   | 31.10    | PK       | V          | 34.21  | 1.91       | 0.00           | 67.22               | 61.22                | 88.20  | 26.98  |
| 5925.00   | 19.94    | AV       | V          | 34.21  | 1.91       | 0.00           | 56.06               | 50.06                | 68.20  | 18.14  |
| 11930.00  | 44.68    | PK       | H          | 38.01  | 4.66       | 37.93          | 49.42               | 49.42                | 74.00  | 24.58  |
| 11930.00  | 34.35    | AV       | H          | 38.01  | 4.66       | 37.93          | 39.09               | 39.09                | 54.00  | 14.91  |
| 11930.00  | 44.84    | PK       | V          | 38.01  | 4.66       | 37.93          | 49.58               | 49.58                | 74.00  | 24.42  |
| 11930.00  | 34.42    | AV       | V          | 38.01  | 4.66       | 37.93          | 39.16               | 39.16                | 54.00  | 14.84  |

## 802.11ax he40 Mode\_middle channel

Frequency 6165 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12330.00  | 46.00    | PK       | H          | 38.07  | 4.66       | 38.21          | 50.52               | 50.52                | 74.00  | 23.48  |
| 12330.00  | 34.59    | AV       | H          | 38.07  | 4.66       | 38.21          | 39.11               | 39.11                | 54.00  | 14.89  |
| 12330.00  | 44.93    | PK       | V          | 38.07  | 4.66       | 38.21          | 49.45               | 49.45                | 74.00  | 24.55  |
| 12330.00  | 34.51    | AV       | V          | 38.07  | 4.66       | 38.21          | 39.03               | 39.03                | 54.00  | 14.97  |

## 802.11ax he40 Mode\_high channel

Frequency 6405 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12810.00  | 44.12    | PK       | H          | 38.41  | 4.64       | 39.13          | 48.04               | 48.04                | 88.20  | 40.16  |
| 12810.00  | 33.68    | AV       | H          | 38.41  | 4.64       | 39.13          | 37.60               | 37.6                 | 68.20  | 30.60  |
| 12810.00  | 44.23    | PK       | V          | 38.41  | 4.64       | 39.13          | 48.15               | 48.15                | 88.20  | 40.05  |
| 12810.00  | 33.67    | AV       | V          | 38.41  | 4.64       | 39.13          | 37.59               | 37.59                | 68.20  | 30.61  |

## 802.11ax he80 Mode\_Low Channel

Frequency 5985 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 5850.00   | 31.26    | PK       | H          | 34.12  | 1.88       | 0.00           | 67.26               | 61.26                | 88.20  | 26.94  |
| 5850.00   | 21.03    | AV       | H          | 34.12  | 1.88       | 0.00           | 57.03               | 51.03                | 68.20  | 17.17  |
| 5850.00   | 31.85    | PK       | V          | 34.12  | 1.88       | 0.00           | 67.85               | 61.85                | 88.20  | 26.35  |
| 5850.00   | 21.02    | AV       | V          | 34.12  | 1.88       | 0.00           | 57.02               | 51.02                | 68.20  | 17.18  |
| 5925.00   | 31.30    | PK       | H          | 34.21  | 1.91       | 0.00           | 67.42               | 61.42                | 88.20  | 26.78  |
| 5925.00   | 20.52    | AV       | H          | 34.21  | 1.91       | 0.00           | 56.64               | 50.64                | 68.20  | 17.56  |
| 5925.00   | 30.91    | PK       | V          | 34.21  | 1.91       | 0.00           | 67.03               | 61.03                | 88.20  | 27.17  |
| 5925.00   | 20.37    | AV       | V          | 34.21  | 1.91       | 0.00           | 56.49               | 50.49                | 68.20  | 17.71  |
| 11970.00  | 44.40    | PK       | H          | 38.01  | 4.67       | 37.89          | 49.19               | 49.19                | 74.00  | 24.81  |
| 11970.00  | 34.21    | AV       | H          | 38.01  | 4.67       | 37.89          | 39.00               | 39                   | 54.00  | 15.00  |
| 11970.00  | 44.27    | PK       | V          | 38.01  | 4.67       | 37.89          | 49.06               | 49.06                | 74.00  | 24.94  |
| 11970.00  | 33.68    | AV       | V          | 38.01  | 4.67       | 37.89          | 38.47               | 38.47                | 54.00  | 15.53  |

## 802.11ax he80 Mode\_middle channel

Frequency 6145 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12290.00  | 44.05    | PK       | H          | 38.06  | 4.66       | 38.16          | 48.61               | 48.61                | 74.00  | 25.39  |
| 12290.00  | 33.87    | AV       | H          | 38.06  | 4.66       | 38.16          | 38.43               | 38.43                | 54.00  | 15.57  |
| 12290.00  | 44.96    | PK       | V          | 38.06  | 4.66       | 38.16          | 49.52               | 49.52                | 74.00  | 24.48  |
| 12290.00  | 34.71    | AV       | V          | 38.06  | 4.66       | 38.16          | 39.27               | 39.27                | 54.00  | 14.73  |

## 802.11ax he80 Mode\_high channel

Frequency 6385 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12770.00  | 44.15    | PK       | H          | 38.37  | 4.64       | 39.04          | 48.12               | 48.12                | 88.20  | 40.08  |
| 12770.00  | 32.71    | AV       | H          | 38.37  | 4.64       | 39.04          | 36.68               | 36.68                | 68.20  | 31.52  |
| 12770.00  | 44.80    | PK       | V          | 38.37  | 4.64       | 39.04          | 48.77               | 48.77                | 88.20  | 39.43  |
| 12770.00  | 33.42    | AV       | V          | 38.37  | 4.64       | 39.04          | 37.39               | 37.39                | 68.20  | 30.81  |

## 802.11ax he160 Mode\_Low Channel

Frequency 6025 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 5850.00   | 31.20    | PK       | H          | 34.12  | 1.88       | 0.00           | 67.20               | 61.2                 | 88.20  | 27.00  |
| 5850.00   | 20.19    | AV       | H          | 34.12  | 1.88       | 0.00           | 56.19               | 50.19                | 68.20  | 18.01  |
| 5850.00   | 30.95    | PK       | V          | 34.12  | 1.88       | 0.00           | 66.95               | 60.95                | 88.20  | 27.25  |
| 5850.00   | 20.27    | AV       | V          | 34.12  | 1.88       | 0.00           | 56.27               | 50.27                | 68.20  | 17.93  |
| 5925.00   | 30.24    | PK       | H          | 34.21  | 1.91       | 0.00           | 66.36               | 60.36                | 88.20  | 27.84  |
| 5925.00   | 20.01    | AV       | H          | 34.21  | 1.91       | 0.00           | 56.13               | 50.13                | 68.20  | 18.07  |
| 5925.00   | 30.55    | PK       | V          | 34.21  | 1.91       | 0.00           | 66.67               | 60.67                | 88.20  | 27.53  |
| 5925.00   | 20.11    | AV       | V          | 34.21  | 1.91       | 0.00           | 56.23               | 50.23                | 68.20  | 17.97  |
| 12050.00  | 43.40    | PK       | H          | 38.01  | 4.68       | 37.90          | 48.19               | 48.19                | 74.00  | 25.81  |
| 12050.00  | 32.88    | AV       | H          | 38.01  | 4.68       | 37.90          | 37.67               | 37.67                | 54.00  | 16.33  |
| 12050.00  | 44.14    | PK       | V          | 38.01  | 4.68       | 37.90          | 48.93               | 48.93                | 74.00  | 25.07  |
| 12050.00  | 33.56    | AV       | V          | 38.01  | 4.68       | 37.90          | 38.35               | 38.35                | 54.00  | 15.65  |

## 802.11ax he160 Mode\_middle channel

Frequency 6185 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12370.00  | 45.47    | PK       | H          | 38.07  | 4.66       | 38.25          | 49.95               | 49.95                | 74.00  | 24.05  |
| 12370.00  | 35.13    | AV       | H          | 38.07  | 4.66       | 38.25          | 39.61               | 39.61                | 54.00  | 14.39  |
| 12370.00  | 45.39    | PK       | V          | 38.07  | 4.66       | 38.25          | 49.87               | 49.87                | 74.00  | 24.13  |
| 12370.00  | 34.89    | AV       | V          | 38.07  | 4.66       | 38.25          | 39.37               | 39.37                | 54.00  | 14.63  |

## 802.11ax he160 Mode\_high channel

Frequency 6345 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12690.00  | 42.46    | PK       | H          | 38.29  | 4.64       | 38.85          | 46.54               | 46.54                | 74.00  | 27.46  |
| 12690.00  | 32.38    | AV       | H          | 38.29  | 4.64       | 38.85          | 36.46               | 36.46                | 54.00  | 17.54  |
| 12690.00  | 42.71    | PK       | V          | 38.29  | 4.64       | 38.85          | 46.79               | 46.79                | 74.00  | 27.21  |
| 12690.00  | 32.45    | AV       | V          | 38.29  | 4.64       | 38.85          | 36.53               | 36.53                | 54.00  | 17.47  |

6425-6525MHz:

802.11ax he20 Mode\_Low Channel

Frequency 6435 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12870.00  | 44.28    | PK       | H          | 38.47  | 4.64       | 39.28          | 48.11               | 48.11                | 88.20  | 40.09  |
| 12870.00  | 33.90    | AV       | H          | 38.47  | 4.64       | 39.28          | 37.73               | 37.73                | 68.20  | 30.47  |
| 12870.00  | 45.08    | PK       | V          | 38.47  | 4.64       | 39.28          | 48.91               | 48.91                | 88.20  | 39.29  |
| 12870.00  | 35.59    | AV       | V          | 38.47  | 4.64       | 39.28          | 39.42               | 39.42                | 68.20  | 28.78  |

802.11ax he20 Mode\_middle channel

Frequency 6475 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12950.00  | 45.38    | PK       | H          | 38.55  | 4.63       | 39.47          | 49.09               | 49.09                | 88.20  | 39.11  |
| 12950.00  | 35.86    | AV       | H          | 38.55  | 4.63       | 39.47          | 39.57               | 39.57                | 68.20  | 28.63  |
| 12950.00  | 45.95    | PK       | V          | 38.55  | 4.63       | 39.47          | 49.66               | 49.66                | 88.20  | 38.54  |
| 12950.00  | 34.58    | AV       | V          | 38.55  | 4.63       | 39.47          | 38.29               | 38.29                | 68.20  | 29.91  |

802.11ax he20 Mode\_high channel

Frequency 6515 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13030.00  | 43.52    | PK       | H          | 38.65  | 4.64       | 39.59          | 47.22               | 47.22                | 88.20  | 40.98  |
| 13030.00  | 32.87    | AV       | H          | 38.65  | 4.64       | 39.59          | 36.57               | 36.57                | 68.20  | 31.63  |
| 13030.00  | 43.87    | PK       | V          | 38.65  | 4.64       | 39.59          | 47.57               | 47.57                | 88.20  | 40.63  |
| 13030.00  | 33.31    | AV       | V          | 38.65  | 4.64       | 39.59          | 37.01               | 37.01                | 68.20  | 31.19  |

802.11ax he40 Mode\_low channel

Frequency 6445 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12890.00  | 45.23    | PK       | H          | 38.49  | 4.63       | 39.33          | 49.02               | 49.02                | 88.20  | 39.18  |
| 12890.00  | 34.48    | AV       | H          | 38.49  | 4.63       | 39.33          | 38.27               | 38.27                | 68.20  | 29.93  |
| 12890.00  | 45.48    | PK       | V          | 38.49  | 4.63       | 39.33          | 49.27               | 49.27                | 88.20  | 38.93  |
| 12890.00  | 35.38    | AV       | V          | 38.49  | 4.63       | 39.33          | 39.17               | 39.17                | 68.20  | 29.03  |

802.11ax he40 Mode\_high channel

Frequency 6485 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12970.00  | 43.96    | PK       | H          | 38.57  | 4.63       | 39.52          | 47.64               | 47.64                | 88.20  | 40.56  |
| 12970.00  | 32.94    | AV       | H          | 38.57  | 4.63       | 39.52          | 36.62               | 36.62                | 68.20  | 31.58  |
| 12970.00  | 44.01    | PK       | V          | 38.57  | 4.63       | 39.52          | 47.69               | 47.68                | 88.20  | 40.52  |
| 12970.00  | 33.68    | AV       | V          | 38.57  | 4.63       | 39.52          | 37.36               | 37.36                | 68.20  | 30.84  |

## 802.11ax he80 Mode\_middle channel

Frequency 6465 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 12930.00  | 44.36    | PK       | H          | 38.53  | 4.63       | 39.42          | 48.10               | 48.1                 | 88.20  | 40.10  |
| 12930.00  | 35.61    | AV       | H          | 38.53  | 4.63       | 39.42          | 39.35               | 39.35                | 68.20  | 28.85  |
| 12930.00  | 44.57    | PK       | V          | 38.53  | 4.63       | 39.42          | 48.31               | 48.31                | 88.20  | 39.89  |
| 12930.00  | 34.75    | AV       | V          | 38.53  | 4.63       | 39.42          | 38.49               | 38.49                | 68.20  | 29.71  |

Crossed U-NII 6 and U-NII 7

## 802.11ax he40 Mode:

Additional 6525 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13050.00  | 42.83    | PK       | H          | 38.68  | 4.65       | 39.59          | 46.57               | 46.57                | 88.20  | 41.63  |
| 13050.00  | 32.55    | AV       | H          | 38.68  | 4.65       | 39.59          | 36.29               | 36.29                | 68.20  | 31.91  |
| 13050.00  | 43.94    | PK       | V          | 38.68  | 4.65       | 39.59          | 47.68               | 47.68                | 88.20  | 40.52  |
| 13050.00  | 32.65    | AV       | V          | 38.68  | 4.65       | 39.59          | 36.39               | 36.39                | 68.20  | 31.81  |

## 802.11ax he80 Mode:

Additional 6545 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13090.00  | 41.94    | PK       | H          | 38.74  | 4.67       | 39.59          | 45.76               | 45.76                | 88.20  | 42.44  |
| 13090.00  | 31.94    | AV       | H          | 38.74  | 4.67       | 39.59          | 35.76               | 35.76                | 68.20  | 32.44  |
| 13090.00  | 42.31    | PK       | V          | 38.74  | 4.67       | 39.59          | 46.13               | 46.13                | 88.20  | 42.07  |
| 13090.00  | 32.12    | AV       | V          | 38.74  | 4.67       | 39.59          | 35.94               | 35.94                | 68.20  | 32.26  |

## 802.11ax he160 Mode:

Additional 6505 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13010.00  | 44.24    | PK       | H          | 38.62  | 4.63       | 39.59          | 47.90               | 47.9                 | 88.20  | 40.30  |
| 13010.00  | 33.97    | AV       | H          | 38.62  | 4.63       | 39.59          | 37.63               | 37.63                | 68.20  | 30.57  |
| 13010.00  | 44.47    | PK       | V          | 38.62  | 4.63       | 39.59          | 48.13               | 48.13                | 88.20  | 40.07  |
| 13010.00  | 34.32    | AV       | V          | 38.62  | 4.63       | 39.59          | 37.98               | 37.98                | 68.20  | 30.22  |

## 6525-6875MHz

## 802.11ax he20 Mode\_Low Channel

Frequency 6535 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13070.00  | 42.12    | PK       | H          | 38.71  | 4.66       | 39.59          | 45.90               | 45.9                 | 88.20  | 42.30  |
| 13070.00  | 31.57    | AV       | H          | 38.71  | 4.66       | 39.59          | 35.35               | 35.35                | 68.20  | 32.85  |
| 13070.00  | 41.80    | PK       | V          | 38.71  | 4.66       | 39.59          | 45.58               | 45.58                | 88.20  | 42.62  |
| 13070.00  | 30.89    | AV       | V          | 38.71  | 4.66       | 39.59          | 34.67               | 34.67                | 68.20  | 33.53  |

## 802.11ax he20 Mode\_middle channel

Frequency 6695 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13390.00  | 44.50    | PK       | H          | 39.22  | 4.81       | 39.57          | 48.96               | 48.96                | 74.00  | 25.04  |
| 13390.00  | 33.89    | AV       | H          | 39.22  | 4.81       | 39.57          | 38.35               | 38.35                | 54.00  | 15.65  |
| 13390.00  | 44.63    | PK       | V          | 39.22  | 4.81       | 39.57          | 49.09               | 49.09                | 74.00  | 24.91  |
| 13390.00  | 33.68    | AV       | V          | 39.22  | 4.81       | 39.57          | 38.14               | 38.14                | 54.00  | 15.86  |

## 802.11ax he20 Mode\_high channel

Frequency 6855 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13710.00  | 44.33    | PK       | H          | 39.86  | 4.95       | 39.35          | 49.79               | 49.79                | 88.20  | 38.41  |
| 13710.00  | 34.21    | AV       | H          | 39.86  | 4.95       | 39.35          | 39.67               | 39.67                | 68.20  | 28.53  |
| 13710.00  | 43.85    | PK       | V          | 39.86  | 4.95       | 39.35          | 49.31               | 49.31                | 88.20  | 38.89  |
| 13710.00  | 33.42    | AV       | V          | 39.86  | 4.95       | 39.35          | 38.88               | 38.88                | 68.20  | 29.32  |

## 802.11ax he40 Mode\_low channel

Frequency 6565 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13130.00  | 42.68    | PK       | H          | 38.81  | 4.69       | 39.58          | 46.60               | 46.6                 | 88.20  | 41.60  |
| 13130.00  | 32.45    | AV       | H          | 38.81  | 4.69       | 39.58          | 36.37               | 36.37                | 68.20  | 31.83  |
| 13130.00  | 42.86    | PK       | V          | 38.81  | 4.69       | 39.58          | 46.78               | 46.78                | 88.20  | 41.42  |
| 13130.00  | 32.54    | AV       | V          | 38.81  | 4.69       | 39.58          | 36.46               | 36.46                | 68.20  | 31.74  |

## 802.11ax he40 Mode\_middle channel

Frequency 6685 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13370.00  | 42.61    | PK       | H          | 39.19  | 4.80       | 39.58          | 47.02               | 47.02                | 74.00  | 26.98  |
| 13370.00  | 32.24    | AV       | H          | 39.19  | 4.80       | 39.58          | 36.65               | 36.65                | 54.00  | 17.35  |
| 13370.00  | 42.89    | PK       | V          | 39.19  | 4.80       | 39.58          | 47.30               | 47.3                 | 74.00  | 26.70  |
| 13370.00  | 32.59    | AV       | V          | 39.19  | 4.80       | 39.58          | 37.00               | 37                   | 54.00  | 17.00  |



802.11ax he40 Mode\_high channel Frequency 6845 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13690.00  | 43.12    | PK       | H          | 39.82  | 4.94       | 39.37          | 48.51               | 48.51                | 88.20  | 39.69  |
| 13690.00  | 32.89    | AV       | H          | 39.82  | 4.94       | 39.37          | 38.28               | 38.28                | 68.20  | 29.92  |
| 13690.00  | 42.83    | PK       | V          | 39.82  | 4.94       | 39.37          | 48.22               | 48.22                | 88.20  | 39.98  |
| 13690.00  | 32.44    | AV       | V          | 39.82  | 4.94       | 39.37          | 37.83               | 37.83                | 68.20  | 30.37  |

802.11ax he80 Mode\_low channel Frequency 6625 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13250.00  | 41.85    | PK       | H          | 39.00  | 4.75       | 39.58          | 46.02               | 46.02                | 74.00  | 27.98  |
| 13250.00  | 31.75    | AV       | H          | 39.00  | 4.75       | 39.58          | 35.92               | 35.92                | 54.00  | 18.08  |
| 13250.00  | 42.13    | PK       | V          | 39.00  | 4.75       | 39.58          | 46.30               | 46.3                 | 74.00  | 27.70  |
| 13250.00  | 31.91    | AV       | V          | 39.00  | 4.75       | 39.58          | 36.08               | 36.08                | 54.00  | 17.92  |

802.11ax he80 Mode\_middle channel Frequency 6705 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13410.00  | 45.54    | PK       | H          | 39.26  | 4.82       | 39.57          | 50.05               | 50.05                | 88.20  | 38.15  |
| 13410.00  | 35.27    | AV       | H          | 39.26  | 4.82       | 39.57          | 39.78               | 39.78                | 68.20  | 28.42  |
| 13410.00  | 45.97    | PK       | V          | 39.26  | 4.82       | 39.57          | 50.48               | 50.48                | 88.20  | 37.72  |
| 13410.00  | 35.30    | AV       | V          | 39.26  | 4.82       | 39.57          | 39.81               | 39.81                | 68.20  | 28.39  |

802.11ax he80 Mode\_high channel Frequency 6785 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13570.00  | 44.68    | PK       | H          | 39.55  | 4.89       | 39.50          | 49.62               | 49.62                | 88.20  | 38.58  |
| 13570.00  | 34.79    | AV       | H          | 39.55  | 4.89       | 39.50          | 39.73               | 39.73                | 68.20  | 28.47  |
| 13570.00  | 44.96    | PK       | V          | 39.55  | 4.89       | 39.50          | 49.90               | 49.9                 | 88.20  | 38.30  |
| 13570.00  | 35.02    | AV       | V          | 39.55  | 4.89       | 39.50          | 39.96               | 39.96                | 68.20  | 28.24  |

802.11ax he160 Mode\_low channel Frequency 6665 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13330.00  | 44.32    | PK       | H          | 39.13  | 4.78       | 39.58          | 48.65               | 48.65                | 74.00  | 25.35  |
| 13330.00  | 34.52    | AV       | H          | 39.13  | 4.78       | 39.58          | 38.85               | 38.85                | 54.00  | 15.15  |
| 13330.00  | 44.48    | PK       | V          | 39.13  | 4.78       | 39.58          | 48.81               | 48.81                | 74.00  | 25.19  |
| 13330.00  | 34.78    | AV       | V          | 39.13  | 4.78       | 39.58          | 39.11               | 39.11                | 54.00  | 14.89  |

## Crossed U-NII 7 and U-NII 8

## 802.11ax he20 Mode: Additional 6875 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13750.00  | 43.19    | PK       | H          | 39.95  | 4.97       | 39.31          | 48.80               | 48.8                 | 88.20  | 39.40  |
| 13750.00  | 32.58    | AV       | H          | 39.95  | 4.97       | 39.31          | 38.19               | 38.19                | 68.20  | 30.01  |
| 13750.00  | 43.39    | PK       | V          | 39.95  | 4.97       | 39.31          | 49.00               | 49                   | 88.20  | 39.20  |
| 13750.00  | 32.79    | AV       | V          | 39.95  | 4.97       | 39.31          | 38.40               | 38.4                 | 68.20  | 29.80  |

## 802.11ax he40 Mode: Additional 6885 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13770.00  | 45.32    | PK       | H          | 39.99  | 4.98       | 39.29          | 51.00               | 51                   | 88.20  | 37.20  |
| 13770.00  | 35.13    | AV       | H          | 39.99  | 4.98       | 39.29          | 40.81               | 40.81                | 68.20  | 27.39  |
| 13770.00  | 45.63    | PK       | V          | 39.99  | 4.98       | 39.29          | 51.31               | 51.31                | 88.20  | 36.89  |
| 13770.00  | 35.25    | AV       | V          | 39.99  | 4.98       | 39.29          | 40.93               | 40.93                | 68.20  | 27.27  |

## 802.11ax he80 Mode: Additional 6865 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13730.00  | 43.62    | PK       | H          | 39.91  | 4.96       | 39.33          | 49.16               | 49.16                | 88.20  | 39.04  |
| 13730.00  | 33.46    | AV       | H          | 39.91  | 4.96       | 39.33          | 39.00               | 39                   | 68.20  | 29.20  |
| 13730.00  | 43.83    | PK       | V          | 39.91  | 4.96       | 39.33          | 49.37               | 49.37                | 88.20  | 38.83  |
| 13730.00  | 33.63    | AV       | V          | 39.91  | 4.96       | 39.33          | 39.17               | 39.17                | 68.20  | 29.03  |

## 802.11ax he160 Mode: Additional 6825 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13650.00  | 44.79    | PK       | H          | 39.73  | 4.93       | 39.41          | 50.04               | 50.04                | 88.20  | 38.16  |
| 13650.00  | 34.59    | AV       | H          | 39.73  | 4.93       | 39.41          | 39.84               | 39.84                | 68.20  | 28.36  |
| 13650.00  | 45.27    | PK       | V          | 39.73  | 4.93       | 39.41          | 50.52               | 50.52                | 88.20  | 37.68  |
| 13650.00  | 34.50    | AV       | V          | 39.73  | 4.93       | 39.41          | 39.75               | 39.75                | 68.20  | 28.45  |

6875-7125MHz

802.11ax he20 Mode\_Low Channel Frequency 6895 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13790.00  | 43.25    | PK       | H          | 40.04  | 4.99       | 39.27          | 49.01               | 49.01                | 88.20  | 39.19  |
| 13790.00  | 33.03    | AV       | H          | 40.04  | 4.99       | 39.27          | 38.79               | 38.79                | 68.20  | 29.41  |
| 13790.00  | 48.43    | PK       | V          | 40.04  | 4.99       | 39.27          | 54.19               | 54.19                | 88.20  | 34.01  |
| 13790.00  | 38.25    | AV       | V          | 40.04  | 4.99       | 39.27          | 44.01               | 44.01                | 68.20  | 24.19  |

802.11ax he20 Mode\_middle channel Frequency 7015 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 14030.00  | 43.79    | PK       | H          | 40.55  | 5.10       | 39.09          | 50.35               | 50.35                | 88.20  | 37.85  |
| 14030.00  | 33.53    | AV       | H          | 40.55  | 5.10       | 39.09          | 40.09               | 40.09                | 68.20  | 28.11  |
| 14030.00  | 59.97    | PK       | V          | 40.55  | 5.10       | 39.09          | 66.53               | 66.53                | 88.20  | 21.67  |
| 14030.00  | 47.52    | AV       | V          | 40.55  | 5.10       | 39.09          | 54.08               | 54.08                | 68.20  | 14.12  |

802.11ax he20 Mode\_high channel Frequency 7095 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 7125.00   | 28.25    | PK       | H          | 35.80  | 2.35       | 0.00           | 66.40               | 60.4                 | 88.20  | 27.80  |
| 7125.00   | 18.16    | AV       | H          | 35.80  | 2.35       | 0.00           | 56.31               | 50.31                | 68.20  | 17.89  |
| 7125.00   | 28.38    | PK       | V          | 35.80  | 2.35       | 0.00           | 66.53               | 60.53                | 88.20  | 27.67  |
| 7125.00   | 18.29    | AV       | V          | 35.80  | 2.35       | 0.00           | 56.44               | 50.44                | 68.20  | 17.76  |
| 7250.00   | 27.51    | PK       | H          | 36.10  | 2.42       | 0.00           | 66.03               | 60.03                | 74.00  | 13.97  |
| 7250.00   | 17.41    | AV       | H          | 36.10  | 2.42       | 0.00           | 55.93               | 49.93                | 54.00  | 4.07   |
| 7250.00   | 27.28    | PK       | V          | 36.10  | 2.42       | 0.00           | 65.80               | 59.8                 | 74.00  | 14.20  |
| 7250.00   | 17.16    | AV       | V          | 36.10  | 2.42       | 0.00           | 55.68               | 49.68                | 54.00  | 4.32   |
| 14190.00  | 45.18    | PK       | H          | 40.84  | 5.23       | 39.29          | 51.96               | 51.96                | 88.20  | 36.24  |
| 14190.00  | 33.45    | AV       | H          | 40.84  | 5.23       | 39.29          | 40.23               | 40.23                | 68.20  | 27.97  |
| 14190.00  | 45.15    | PK       | V          | 40.84  | 5.23       | 39.29          | 51.93               | 51.93                | 88.20  | 36.27  |
| 14190.00  | 34.67    | AV       | V          | 40.84  | 5.23       | 39.29          | 41.45               | 41.45                | 68.20  | 26.75  |

802.11ax he40 Mode\_Low Channel Frequency 6925 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13850.00  | 44.03    | PK       | H          | 40.17  | 5.01       | 39.21          | 50.00               | 50                   | 88.20  | 38.20  |
| 13850.00  | 33.76    | AV       | H          | 40.17  | 5.01       | 39.21          | 39.73               | 39.73                | 68.20  | 28.47  |
| 13850.00  | 44.53    | PK       | V          | 40.17  | 5.01       | 39.21          | 50.50               | 50.5                 | 88.20  | 37.70  |
| 13850.00  | 34.34    | AV       | V          | 40.17  | 5.01       | 39.21          | 40.31               | 40.31                | 68.20  | 27.89  |

## 802.11ax he40 Mode\_middle channel

Frequency 7005 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 14010.00  | 42.28    | PK       | H          | 40.52  | 5.09       | 39.06          | 48.83               | 48.83                | 88.20  | 39.37  |
| 14010.00  | 32.51    | AV       | H          | 40.52  | 5.09       | 39.06          | 39.06               | 39.06                | 68.20  | 29.14  |
| 14010.00  | 44.32    | PK       | V          | 40.52  | 5.09       | 39.06          | 50.87               | 50.87                | 88.20  | 37.33  |
| 14010.00  | 34.12    | AV       | V          | 40.52  | 5.09       | 39.06          | 40.67               | 40.67                | 68.20  | 27.53  |

## 802.11ax he40 Mode\_high channel

Frequency 7085 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 7125.00   | 27.94    | PK       | H          | 35.80  | 2.35       | 0.00           | 66.09               | 60.09                | 88.20  | 28.11  |
| 7125.00   | 18.12    | AV       | H          | 35.80  | 2.35       | 0.00           | 56.27               | 50.27                | 68.20  | 17.93  |
| 7125.00   | 28.32    | PK       | V          | 35.80  | 2.35       | 0.00           | 66.47               | 60.47                | 88.20  | 27.73  |
| 7125.00   | 18.24    | AV       | V          | 35.80  | 2.35       | 0.00           | 56.39               | 50.39                | 68.20  | 17.81  |
| 7250.00   | 27.86    | PK       | H          | 36.10  | 2.42       | 0.00           | 66.38               | 60.38                | 74.00  | 13.62  |
| 7250.00   | 17.32    | AV       | H          | 36.10  | 2.42       | 0.00           | 55.84               | 49.84                | 54.00  | 4.16   |
| 7250.00   | 27.88    | PK       | V          | 36.10  | 2.42       | 0.00           | 66.40               | 60.4                 | 74.00  | 13.60  |
| 7250.00   | 17.35    | AV       | V          | 36.10  | 2.42       | 0.00           | 55.87               | 49.87                | 54.00  | 4.13   |
| 14170.00  | 45.56    | PK       | H          | 40.81  | 5.21       | 39.26          | 52.32               | 52.32                | 88.20  | 35.88  |
| 14170.00  | 35.24    | AV       | H          | 40.81  | 5.21       | 39.26          | 42.00               | 42                   | 68.20  | 26.20  |
| 14170.00  | 46.35    | PK       | V          | 40.81  | 5.21       | 39.26          | 53.11               | 53.11                | 88.20  | 35.09  |
| 14170.00  | 36.12    | AV       | V          | 40.81  | 5.21       | 39.26          | 42.88               | 42.88                | 68.20  | 25.32  |

## 802.11ax he80 Mode\_low channel

Frequency 6945 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 13890.00  | 43.41    | PK       | H          | 40.26  | 5.03       | 39.16          | 49.54               | 49.54                | 88.20  | 38.66  |
| 13890.00  | 33.89    | AV       | H          | 40.26  | 5.03       | 39.16          | 40.02               | 40.02                | 68.20  | 28.18  |
| 13890.00  | 45.24    | PK       | V          | 40.26  | 5.03       | 39.16          | 51.37               | 51.37                | 88.20  | 36.83  |
| 13890.00  | 34.14    | AV       | V          | 40.26  | 5.03       | 39.16          | 40.27               | 40.27                | 68.20  | 27.93  |

## 802.11ax he80 Mode\_high channel

Frequency 7025 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 7125.00   | 29.06    | PK       | H          | 35.80  | 2.35       | 0.00           | 67.21               | 61.21                | 88.20  | 26.99  |
| 7125.00   | 18.46    | AV       | H          | 35.80  | 2.35       | 0.00           | 56.61               | 50.61                | 68.20  | 17.59  |
| 7125.00   | 28.86    | PK       | V          | 35.80  | 2.35       | 0.00           | 67.01               | 61.01                | 88.20  | 27.19  |
| 7125.00   | 18.35    | AV       | V          | 35.80  | 2.35       | 0.00           | 56.50               | 50.5                 | 68.20  | 17.70  |
| 7250.00   | 27.39    | PK       | H          | 36.10  | 2.42       | 0.00           | 65.91               | 59.91                | 74.00  | 14.09  |
| 7250.00   | 16.64    | AV       | H          | 36.10  | 2.42       | 0.00           | 55.16               | 49.16                | 54.00  | 4.84   |
| 7250.00   | 27.54    | PK       | V          | 36.10  | 2.42       | 0.00           | 66.06               | 60.06                | 74.00  | 13.94  |
| 7250.00   | 17.21    | AV       | V          | 36.10  | 2.42       | 0.00           | 55.73               | 49.73                | 54.00  | 4.27   |
| 14050.00  | 45.32    | PK       | H          | 40.59  | 5.12       | 39.11          | 51.92               | 51.92                | 88.20  | 36.28  |
| 14050.00  | 34.25    | AV       | H          | 40.59  | 5.12       | 39.11          | 40.85               | 40.85                | 68.20  | 27.35  |
| 14050.00  | 45.21    | PK       | V          | 40.59  | 5.12       | 39.11          | 51.81               | 51.81                | 88.20  | 36.39  |
| 14050.00  | 34.80    | AV       | V          | 40.59  | 5.12       | 39.11          | 41.40               | 41.4                 | 68.20  | 26.80  |

## 802.11ax he160 Mode\_middle channel

Frequency 6985 MHz

| Frequency | Receiver |          | Rx Antenna |        | Cable loss | Amplifier Gain | Corrected Amplitude | Extrapolation result | Limit  | Margin |
|-----------|----------|----------|------------|--------|------------|----------------|---------------------|----------------------|--------|--------|
|           | Reading  | Detector | Polar      | Factor |            |                |                     |                      |        |        |
| MHz       | dBμV     | PK/QP/AV | H/V        | dB/m   | dB         | dB             | dBμV/m              | dBμV/m               | dBμV/m | dB     |
| 7125.00   | 28.91    | PK       | H          | 35.80  | 2.35       | 0.00           | 67.06               | 61.06                | 88.20  | 27.14  |
| 7125.00   | 18.37    | AV       | H          | 35.80  | 2.35       | 0.00           | 56.52               | 50.52                | 68.20  | 17.68  |
| 7125.00   | 28.84    | PK       | V          | 35.80  | 2.35       | 0.00           | 66.99               | 60.99                | 88.20  | 27.21  |
| 7125.00   | 18.65    | AV       | V          | 35.80  | 2.35       | 0.00           | 56.80               | 50.8                 | 68.20  | 17.40  |
| 7250.00   | 27.49    | PK       | H          | 36.10  | 2.42       | 0.00           | 66.01               | 60.01                | 74.00  | 13.99  |
| 7250.00   | 17.33    | AV       | H          | 36.10  | 2.42       | 0.00           | 55.85               | 49.85                | 54.00  | 4.15   |
| 7250.00   | 27.02    | PK       | V          | 36.10  | 2.42       | 0.00           | 65.54               | 59.54                | 74.00  | 14.46  |
| 7250.00   | 17.35    | AV       | V          | 36.10  | 2.42       | 0.00           | 55.87               | 49.87                | 54.00  | 4.13   |
| 13970.00  | 44.19    | PK       | H          | 40.43  | 5.07       | 39.08          | 50.61               | 50.61                | 88.20  | 37.59  |
| 13970.00  | 33.67    | AV       | H          | 40.43  | 5.07       | 39.08          | 40.09               | 40.09                | 68.20  | 28.11  |
| 13970.00  | 43.15    | PK       | V          | 40.43  | 5.07       | 39.08          | 49.57               | 49.57                | 88.20  | 38.63  |
| 13970.00  | 33.11    | AV       | V          | 40.43  | 5.07       | 39.08          | 39.53               | 39.53                | 68.20  | 28.67  |

Extrapolation Result = Corrected Amplitude- Extrapolation Factor

Extrapolation Factor= 0 dB except bandedge test at 1.5m, Extrapolation Factor= 6 dB

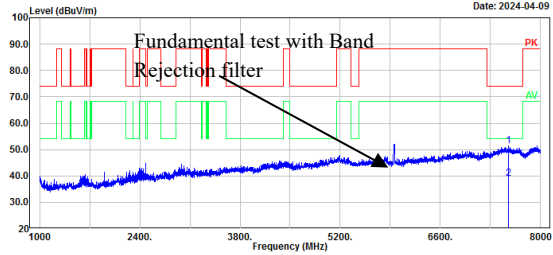
## Plots for 802.11ax ht20 mode, 5955MHz:

## 802.11ax he20 mode, 5955MHz, Horizontal

Project No.: DG2240228-09775E-RF  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz

Serial No.: 2136-3  
Tester: Bill Yang

Date: 2024-04-09



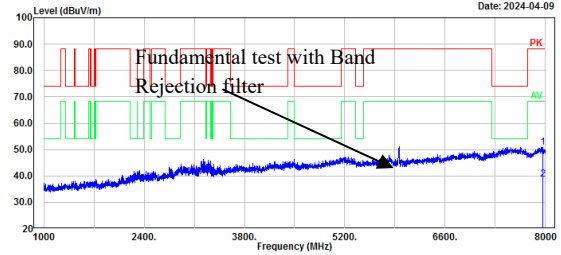
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 7552.00         | 48.66          | 2.82          | 51.48           | 74.00          | 22.52       | Peak     |
| 2   | 7552.00         | 36.29          | 2.82          | 39.11           | 54.00          | 14.89       | Average  |

## 802.11ax he20 mode, 5955MHz, Vertical

Project No.: DG2240228-09775E-RF  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz

Serial No.: 2136-3  
Tester: Bill Yang

Date: 2024-04-09

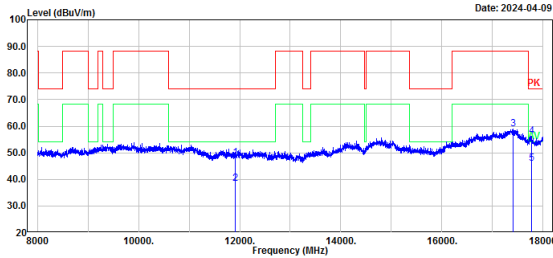


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 7963.60         | 47.54          | 3.29          | 50.83           | 88.20          | 37.37       | Peak     |
| 2   | 7963.60         | 35.49          | 3.29          | 38.78           | 68.20          | 29.42       | Average  |

Project No.: DG2240228-09775E-RF  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz

Serial No.: 2136-3  
Tester: Bill Yang

Date: 2024-04-09

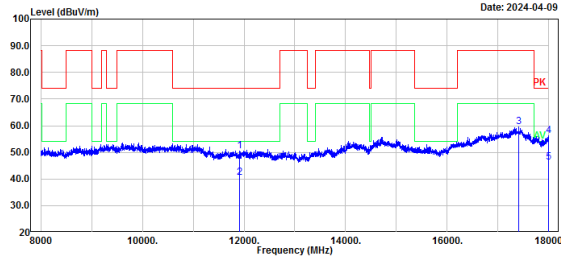


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 11910.00        | 43.46          | 4.72          | 48.18           | 74.00          | 25.82       | Peak     |
| 2   | 11910.00        | 33.74          | 4.72          | 38.46           | 54.00          | 15.54       | Average  |
| 3   | 17414.00        | 43.81          | 15.19         | 59.00           | 88.20          | 29.20       | Peak     |
| 4   | 17770.00        | 39.09          | 17.09         | 56.18           | 74.00          | 17.82       | Peak     |
| 5   | 17770.00        | 28.75          | 17.09         | 45.84           | 54.00          | 8.16        | Average  |

Project No.: DG2240228-09775E-RF  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz

Serial No.: 2136-3  
Tester: Bill Yang

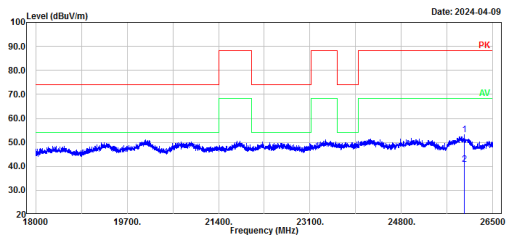
Date: 2024-04-09



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 11910.00        | 45.89          | 4.72          | 50.61           | 74.00          | 23.39       | Peak     |
| 2   | 11910.00        | 35.74          | 4.72          | 40.46           | 54.00          | 13.54       | Average  |
| 3   | 17404.00        | 44.31          | 15.11         | 59.42           | 88.20          | 28.78       | Peak     |
| 4   | 17990.00        | 38.27          | 18.11         | 56.38           | 74.00          | 17.62       | Peak     |
| 5   | 17990.00        | 28.15          | 18.11         | 46.26           | 54.00          | 7.74        | Average  |

## 802.11ax he20 mode, 5955MHz, Horizontal

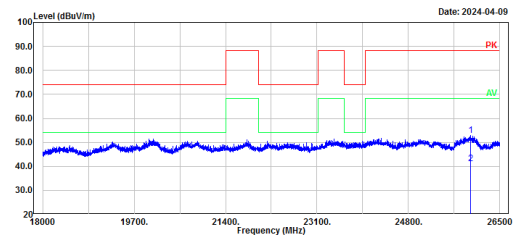
Project No.: DG2240228-09775E-RF  
Polarization: Horizontal  
Test Mode: Transmitting  
Serial No.: Z136-3  
Tester: Bill Yang  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 25971.30        | 42.44          | 10.78         | 53.22           | 88.20          | 34.98       | Peak     |
| 2   | 25971.30        | 30.13          | 10.78         | 40.91           | 68.20          | 27.29       | Average  |

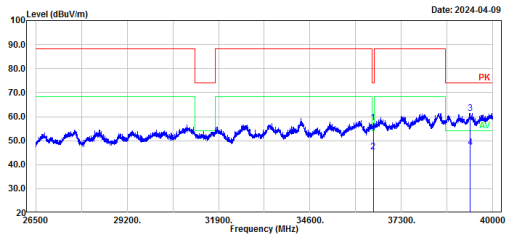
## 802.11ax he20 mode, 5955MHz, Vertical

Project No.: DG2240228-09775E-RF  
Polarization: Vertical  
Test Mode: Transmitting  
Serial No.: Z136-3  
Tester: Bill Yang  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz



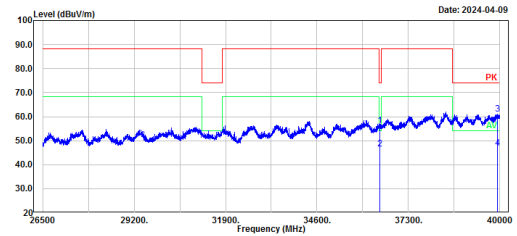
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 25959.40        | 42.01          | 10.76         | 52.77           | 88.20          | 35.43       | Peak     |
| 2   | 25959.40        | 30.47          | 10.76         | 41.23           | 68.20          | 26.97       | Average  |

Project No.: DG2240228-09775E-RF  
Polarization: Horizontal  
Test Mode: Transmitting  
Serial No.: Z136-3  
Tester: Bill Yang  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 36465.70        | 43.39          | 14.02         | 57.41           | 74.00          | 16.59       | Peak     |
| 2   | 36465.70        | 31.29          | 14.02         | 45.31           | 54.00          | 8.69        | Average  |
| 3   | 39333.10        | 43.41          | 18.05         | 61.46           | 74.00          | 12.54       | Peak     |
| 4   | 39333.10        | 29.25          | 18.05         | 47.30           | 54.00          | 6.70        | Average  |

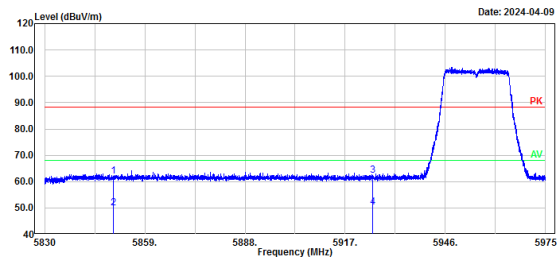
Project No.: DG2240228-09775E-RF  
Polarization: Vertical  
Test Mode: Transmitting  
Serial No.: Z136-3  
Tester: Bill Yang  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 36452.20        | 42.19          | 14.03         | 56.22           | 74.00          | 17.78       | Peak     |
| 2   | 36452.20        | 32.41          | 14.03         | 46.44           | 54.00          | 7.56        | Average  |
| 3   | 39929.80        | 43.41          | 17.53         | 60.94           | 74.00          | 13.06       | Peak     |
| 4   | 39929.80        | 29.34          | 17.53         | 46.87           | 54.00          | 7.13        | Average  |

802.11ax he20 mode, 5955MHz, Bandedge,  
Horizontal

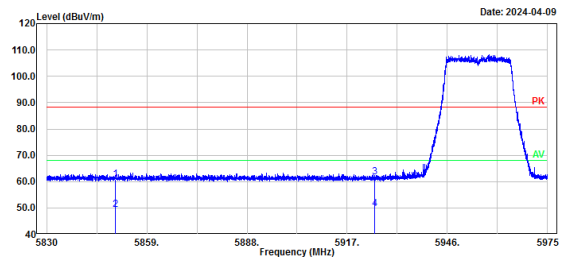
Project No.: DG2240228-09775E-RF  
Polarization: Horizontal  
Test Mode: Transmitting  
Serial No.: 2136-3  
Tester: Bill Yang  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 5850.00         | 31.99          | 30.00         | 61.99           | 88.20          | 26.21       | Peak     |
| 2   | 5850.00         | 19.88          | 30.00         | 49.88           | 68.20          | 18.32       | Average  |
| 3   | 5925.00         | 32.32          | 30.12         | 62.44           | 88.20          | 25.76       | Peak     |
| 4   | 5925.00         | 20.22          | 30.12         | 50.34           | 68.20          | 17.86       | Average  |

## 802.11ax he20 mode, 5955MHz, Bandedge, Vertical

Project No.: DG2240228-09775E-RF  
Polarization: Vertical  
Test Mode: Transmitting  
Serial No.: 2136-3  
Tester: Bill Yang  
Note: 802.11ax he20 Mode\_Low Channel 5955MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 5850.00         | 30.83          | 30.00         | 60.83           | 88.20          | 27.37       | Peak     |
| 2   | 5850.00         | 19.24          | 30.00         | 49.24           | 68.20          | 18.96       | Average  |
| 3   | 5925.00         | 31.49          | 30.12         | 61.61           | 88.20          | 26.59       | Peak     |
| 4   | 5925.00         | 19.67          | 30.12         | 49.79           | 68.20          | 18.41       | Average  |



### 5.3 26dB Emission Bandwidth

|             |           |              |                       |
|-------------|-----------|--------------|-----------------------|
| Serial No.: | 2I3G-1    | Test Date:   | 2024/03/30~2024/04/01 |
| Test Site:  | RF        | Test Mode:   | Transmitting          |
| Tester:     | Jojo Zhou | Test Result: | Pass                  |

#### Environmental Conditions:

|                      |           |                              |       |                           |             |
|----------------------|-----------|------------------------------|-------|---------------------------|-------------|
| Temperature:<br>(°C) | 23.6~25.2 | Relative<br>Humidity:<br>(%) | 39~45 | ATM<br>Pressure:<br>(kPa) | 100.8~101.2 |
|----------------------|-----------|------------------------------|-------|---------------------------|-------------|

#### Test Equipment List and Details:

| Manufacturer | Description        | Model           | Serial Number | Calibration Date | Calibration Due Date |
|--------------|--------------------|-----------------|---------------|------------------|----------------------|
| R&S          | Spectrum Analyzer  | FSV40           | 101947        | 2023/10/18       | 2024/10/17           |
| Eastsheep    | Coaxial Attenuator | 5W-N-JK-6G-10dB | F-08-EM502    | 2023/09/10       | 2024/09/09           |

\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

#### Test Data:

##### 5925-6425 MHz:

| Mode                         | Value (MHz) | Limit (MHz) | Result |
|------------------------------|-------------|-------------|--------|
| ax20_5955MHz_RU_Full_Chain 0 | 22.200      | 320.000     | Pass   |
| ax20_5955MHz_RU_Full_Chain 1 | 21.650      | 320.000     | Pass   |
| ax20_5955MHz_RU_Full_Chain 2 | 22.150      | 320.000     | Pass   |
| ax20_5955MHz_RU_Full_Chain 3 | 21.950      | 320.000     | Pass   |
| ax20_6175MHz_RU_Full_Chain 0 | 21.800      | 320.000     | Pass   |
| ax20_6175MHz_RU_Full_Chain 1 | 22.450      | 320.000     | Pass   |
| ax20_6175MHz_RU_Full_Chain 2 | 22.250      | 320.000     | Pass   |
| ax20_6175MHz_RU_Full_Chain 3 | 21.900      | 320.000     | Pass   |
| ax20_6415MHz_RU_Full_Chain 0 | 21.950      | 320.000     | Pass   |
| ax20_6415MHz_RU_Full_Chain 1 | 22.200      | 320.000     | Pass   |
| ax20_6415MHz_RU_Full_Chain 2 | 22.000      | 320.000     | Pass   |
| ax20_6415MHz_RU_Full_Chain 3 | 22.000      | 320.000     | Pass   |
| ax40_5965MHz_RU_Full_Chain 0 | 43.300      | 320.000     | Pass   |
| ax40_5965MHz_RU_Full_Chain 1 | 43.200      | 320.000     | Pass   |
| ax40_5965MHz_RU_Full_Chain 2 | 42.700      | 320.000     | Pass   |
| ax40_5965MHz_RU_Full_Chain 3 | 43.300      | 320.000     | Pass   |
| ax40_6165MHz_RU_Full_Chain 0 | 43.400      | 320.000     | Pass   |
| ax40_6165MHz_RU_Full_Chain 1 | 43.200      | 320.000     | Pass   |
| ax40_6165MHz_RU_Full_Chain 2 | 43.500      | 320.000     | Pass   |
| ax40_6165MHz_RU_Full_Chain 3 | 43.500      | 320.000     | Pass   |
| ax40_6405MHz_RU_Full_Chain 0 | 43.200      | 320.000     | Pass   |
| ax40_6405MHz_RU_Full_Chain 1 | 42.900      | 320.000     | Pass   |
| ax40_6405MHz_RU_Full_Chain 2 | 43.100      | 320.000     | Pass   |

| Mode                          | Value (MHz) | Limit (MHz) | Result |
|-------------------------------|-------------|-------------|--------|
| ax40_6405MHz_RU_Full_Chain 3  | 43.400      | 320.000     | Pass   |
| ax80_5985MHz_RU_Full_Chain 0  | 88.000      | 320.000     | Pass   |
| ax80_5985MHz_RU_Full_Chain 1  | 87.200      | 320.000     | Pass   |
| ax80_5985MHz_RU_Full_Chain 2  | 88.000      | 320.000     | Pass   |
| ax80_5985MHz_RU_Full_Chain 3  | 89.400      | 320.000     | Pass   |
| ax80_6145MHz_RU_Full_Chain 0  | 87.400      | 320.000     | Pass   |
| ax80_6145MHz_RU_Full_Chain 1  | 87.400      | 320.000     | Pass   |
| ax80_6145MHz_RU_Full_Chain 2  | 87.800      | 320.000     | Pass   |
| ax80_6145MHz_RU_Full_Chain 3  | 89.400      | 320.000     | Pass   |
| ax80_6385MHz_RU_Full_Chain 0  | 88.000      | 320.000     | Pass   |
| ax80_6385MHz_RU_Full_Chain 1  | 87.000      | 320.000     | Pass   |
| ax80_6385MHz_RU_Full_Chain 2  | 88.400      | 320.000     | Pass   |
| ax80_6385MHz_RU_26/0_Chain 0  | 90.200      | 320.000     | Pass   |
| ax160_6025MHz_RU_Full_Chain 0 | 173.200     | 320.000     | Pass   |
| ax160_6025MHz_RU_Full_Chain 1 | 169.600     | 320.000     | Pass   |
| ax160_6025MHz_RU_Full_Chain 2 | 172.400     | 320.000     | Pass   |
| ax160_6025MHz_RU_Full_Chain 3 | 172.400     | 320.000     | Pass   |
| ax160_6185MHz_RU_Full_Chain 0 | 172.400     | 320.000     | Pass   |
| ax160_6185MHz_RU_Full_Chain 1 | 170.800     | 320.000     | Pass   |
| ax160_6185MHz_RU_Full_Chain 2 | 171.200     | 320.000     | Pass   |
| ax160_6185MHz_RU_Full_Chain 3 | 172.800     | 320.000     | Pass   |
| ax160_6345MHz_RU_Full_Chain 0 | 171.600     | 320.000     | Pass   |
| ax160_6345MHz_RU_Full_Chain 1 | 170.400     | 320.000     | Pass   |
| ax160_6345MHz_RU_Full_Chain 2 | 172.400     | 320.000     | Pass   |
| ax160_6345MHz_RU_Full_Chain 3 | 174.400     | 320.000     | Pass   |

**6425-6525 MHz(including Crossed channel):**

| Mode                          | Value (MHz) | Limit (MHz) | Result |
|-------------------------------|-------------|-------------|--------|
| ax20_6435MHz_RU_Full_Chain 0  | 22.000      | 320.000     | Pass   |
| ax20_6435MHz_RU_Full_Chain 1  | 22.200      | 320.000     | Pass   |
| ax20_6435MHz_RU_Full_Chain 2  | 21.850      | 320.000     | Pass   |
| ax20_6435MHz_RU_Full_Chain 3  | 22.300      | 320.000     | Pass   |
| ax20_6475MHz_RU_Full_Chain 0  | 21.950      | 320.000     | Pass   |
| ax20_6475MHz_RU_Full_Chain 1  | 22.850      | 320.000     | Pass   |
| ax20_6475MHz_RU_Full_Chain 2  | 21.850      | 320.000     | Pass   |
| ax20_6475MHz_RU_Full_Chain 3  | 22.250      | 320.000     | Pass   |
| ax20_6515MHz_RU_Full_Chain 0  | 22.250      | 320.000     | Pass   |
| ax20_6515MHz_RU_Full_Chain 1  | 22.450      | 320.000     | Pass   |
| ax20_6515MHz_RU_Full_Chain 2  | 21.600      | 320.000     | Pass   |
| ax20_6515MHz_RU_Full_Chain 3  | 22.400      | 320.000     | Pass   |
| ax40_6445MHz_RU_Full_Chain 0  | 43.800      | 320.000     | Pass   |
| ax40_6445MHz_RU_Full_Chain 1  | 43.500      | 320.000     | Pass   |
| ax40_6445MHz_RU_Full_Chain 2  | 43.200      | 320.000     | Pass   |
| ax40_6445MHz_RU_Full_Chain 3  | 43.200      | 320.000     | Pass   |
| ax40_6485MHz_RU_Full_Chain 0  | 43.000      | 320.000     | Pass   |
| ax40_6485MHz_RU_Full_Chain 1  | 42.700      | 320.000     | Pass   |
| ax40_6485MHz_RU_Full_Chain 2  | 42.700      | 320.000     | Pass   |
| ax40_6485MHz_RU_Full_Chain 3  | 43.300      | 320.000     | Pass   |
| ax40_6525MHz_RU_Full_Chain 0  | 44.200      | 320.000     | Pass   |
| ax40_6525MHz_RU_Full_Chain 1  | 42.900      | 320.000     | Pass   |
| ax40_6525MHz_RU_Full_Chain 2  | 42.800      | 320.000     | Pass   |
| ax40_6525MHz_RU_Full_Chain 3  | 43.200      | 320.000     | Pass   |
| ax80_6465MHz_RU_Full_Chain 0  | 88.000      | 320.000     | Pass   |
| ax80_6465MHz_RU_Full_Chain 1  | 86.000      | 320.000     | Pass   |
| ax80_6465MHz_RU_Full_Chain 2  | 88.000      | 320.000     | Pass   |
| ax80_6465MHz_RU_Full_Chain 3  | 90.400      | 320.000     | Pass   |
| ax80_6545MHz_RU_Full_Chain 0  | 88.000      | 320.000     | Pass   |
| ax80_6545MHz_RU_Full_Chain 1  | 88.200      | 320.000     | Pass   |
| ax80_6545MHz_RU_Full_Chain 2  | 87.400      | 320.000     | Pass   |
| ax80_6545MHz_RU_Full_Chain 3  | 89.800      | 320.000     | Pass   |
| ax160_6505MHz_RU_Full_Chain 0 | 171.200     | 320.000     | Pass   |
| ax160_6505MHz_RU_Full_Chain 1 | 169.200     | 320.000     | Pass   |
| ax160_6505MHz_RU_Full_Chain 2 | 170.400     | 320.000     | Pass   |
| ax160_6505MHz_RU_Full_Chain 3 | 173.200     | 320.000     | Pass   |

**6525-6875 MHz:**

| Mode                          | Value (MHz) | Limit (MHz) | Result |
|-------------------------------|-------------|-------------|--------|
| ax20_6535MHz_RU_Full_Chain 0  | 22.200      | 320.000     | Pass   |
| ax20_6535MHz_RU_Full_Chain 1  | 22.700      | 320.000     | Pass   |
| ax20_6535MHz_RU_Full_Chain 2  | 21.700      | 320.000     | Pass   |
| ax20_6535MHz_RU_Full_Chain 3  | 22.200      | 320.000     | Pass   |
| ax20_6695MHz_RU_Full_Chain 0  | 22.150      | 320.000     | Pass   |
| ax20_6695MHz_RU_Full_Chain 1  | 21.500      | 320.000     | Pass   |
| ax20_6695MHz_RU_Full_Chain 2  | 22.150      | 320.000     | Pass   |
| ax20_6695MHz_RU_Full_Chain 3  | 21.900      | 320.000     | Pass   |
| ax20_6855MHz_RU_Full_Chain 0  | 22.050      | 320.000     | Pass   |
| ax20_6855MHz_RU_Full_Chain 1  | 22.300      | 320.000     | Pass   |
| ax20_6855MHz_RU_Full_Chain 2  | 22.550      | 320.000     | Pass   |
| ax20_6855MHz_RU_Full_Chain 3  | 22.350      | 320.000     | Pass   |
| ax40_6565MHz_RU_Full_Chain 0  | 43.400      | 320.000     | Pass   |
| ax40_6565MHz_RU_Full_Chain 1  | 43.600      | 320.000     | Pass   |
| ax40_6565MHz_RU_Full_Chain 2  | 43.300      | 320.000     | Pass   |
| ax40_6565MHz_RU_Full_Chain 3  | 43.000      | 320.000     | Pass   |
| ax40_6685MHz_RU_Full_Chain 0  | 43.200      | 320.000     | Pass   |
| ax40_6685MHz_RU_Full_Chain 1  | 43.000      | 320.000     | Pass   |
| ax40_6685MHz_RU_Full_Chain 2  | 43.300      | 320.000     | Pass   |
| ax40_6685MHz_RU_Full_Chain 3  | 42.500      | 320.000     | Pass   |
| ax40_6845MHz_RU_Full_Chain 0  | 43.100      | 320.000     | Pass   |
| ax40_6845MHz_RU_Full_Chain 1  | 42.400      | 320.000     | Pass   |
| ax40_6845MHz_RU_Full_Chain 2  | 43.500      | 320.000     | Pass   |
| ax40_6845MHz_RU_Full_Chain 3  | 43.100      | 320.000     | Pass   |
| ax80_6625MHz_RU_Full_Chain 0  | 87.400      | 320.000     | Pass   |
| ax80_6625MHz_RU_Full_Chain 1  | 87.800      | 320.000     | Pass   |
| ax80_6625MHz_RU_Full_Chain 2  | 87.200      | 320.000     | Pass   |
| ax80_6625MHz_RU_Full_Chain 3  | 89.200      | 320.000     | Pass   |
| ax80_6705MHz_RU_Full_Chain 0  | 88.000      | 320.000     | Pass   |
| ax80_6705MHz_RU_Full_Chain 1  | 87.800      | 320.000     | Pass   |
| ax80_6705MHz_RU_Full_Chain 2  | 87.000      | 320.000     | Pass   |
| ax80_6705MHz_RU_Full_Chain 3  | 89.600      | 320.000     | Pass   |
| ax80_6785MHz_RU_Full_Chain 0  | 86.400      | 320.000     | Pass   |
| ax80_6785MHz_RU_Full_Chain 1  | 88.200      | 320.000     | Pass   |
| ax80_6785MHz_RU_Full_Chain 2  | 87.400      | 320.000     | Pass   |
| ax80_6785MHz_RU_Full_Chain 3  | 90.000      | 320.000     | Pass   |
| ax80_6865MHz_RU_Full_Chain 0  | 87.600      | 320.000     | Pass   |
| ax80_6865MHz_RU_Full_Chain 1  | 88.800      | 320.000     | Pass   |
| ax80_6865MHz_RU_Full_Chain 2  | 87.200      | 320.000     | Pass   |
| ax80_6865MHz_RU_Full_Chain 3  | 89.200      | 320.000     | Pass   |
| ax160_6665MHz_RU_Full_Chain 0 | 172.400     | 320.000     | Pass   |
| ax160_6665MHz_RU_Full_Chain 1 | 170.400     | 320.000     | Pass   |
| ax160_6665MHz_RU_Full_Chain 2 | 170.400     | 320.000     | Pass   |
| ax160_6665MHz_RU_Full_Chain 3 | 173.200     | 320.000     | Pass   |

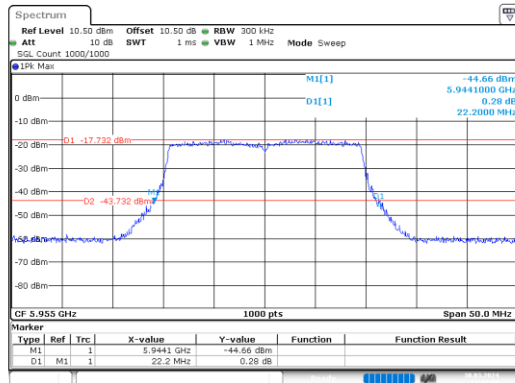
| Mode                          | Value<br>(MHz) | Limit<br>(MHz) | Result |
|-------------------------------|----------------|----------------|--------|
| ax160_6825MHz_RU_Full_Chain 0 | 173.200        | 320.000        | Pass   |
| ax160_6825MHz_RU_Full_Chain 1 | 170.800        | 320.000        | Pass   |
| ax160_6825MHz_RU_Full_Chain 2 | 173.600        | 320.000        | Pass   |
| ax160_6825MHz_RU_Full_Chain 3 | 173.600        | 320.000        | Pass   |

**6875-7125 MHz(including Crossed channel):**

| Mode                          | Value (MHz) | Limit (MHz) | Result |
|-------------------------------|-------------|-------------|--------|
| ax20_6875MHz_RU_Full_Chain 0  | 21.950      | 320.000     | Pass   |
| ax20_6875MHz_RU_Full_Chain 1  | 22.350      | 320.000     | Pass   |
| ax20_6875MHz_RU_Full_Chain 2  | 22.250      | 320.000     | Pass   |
| ax20_6875MHz_RU_Full_Chain 3  | 22.250      | 320.000     | Pass   |
| ax20_6895MHz_RU_Full_Chain 0  | 22.250      | 320.000     | Pass   |
| ax20_6895MHz_RU_Full_Chain 1  | 22.350      | 320.000     | Pass   |
| ax20_6895MHz_RU_Full_Chain 2  | 22.500      | 320.000     | Pass   |
| ax20_6895MHz_RU_Full_Chain 3  | 22.200      | 320.000     | Pass   |
| ax20_7015MHz_RU_Full_Chain 0  | 22.300      | 320.000     | Pass   |
| ax20_7015MHz_RU_Full_Chain 1  | 22.550      | 320.000     | Pass   |
| ax20_7015MHz_RU_Full_Chain 2  | 22.450      | 320.000     | Pass   |
| ax20_7015MHz_RU_Full_Chain 3  | 22.500      | 320.000     | Pass   |
| ax20_7095MHz_RU_Full_Chain 0  | 22.200      | 320.000     | Pass   |
| ax20_7095MHz_RU_Full_Chain 1  | 22.400      | 320.000     | Pass   |
| ax20_7095MHz_RU_Full_Chain 2  | 22.700      | 320.000     | Pass   |
| ax20_7095MHz_RU_Full_Chain 3  | 22.300      | 320.000     | Pass   |
| ax40_6885MHz_RU_Full_Chain 0  | 43.500      | 320.000     | Pass   |
| ax40_6885MHz_RU_Full_Chain 1  | 42.600      | 320.000     | Pass   |
| ax40_6885MHz_RU_Full_Chain 2  | 43.300      | 320.000     | Pass   |
| ax40_6885MHz_RU_Full_Chain 3  | 42.800      | 320.000     | Pass   |
| ax40_6925MHz_RU_Full_Chain 0  | 44.200      | 320.000     | Pass   |
| ax40_6925MHz_RU_Full_Chain 1  | 43.300      | 320.000     | Pass   |
| ax40_6925MHz_RU_Full_Chain 2  | 42.600      | 320.000     | Pass   |
| ax40_6925MHz_RU_Full_Chain 3  | 42.900      | 320.000     | Pass   |
| ax40_7005MHz_RU_Full_Chain 0  | 43.800      | 320.000     | Pass   |
| ax40_7005MHz_RU_Full_Chain 1  | 43.400      | 320.000     | Pass   |
| ax40_7005MHz_RU_Full_Chain 2  | 43.200      | 320.000     | Pass   |
| ax40_7005MHz_RU_Full_Chain 3  | 42.900      | 320.000     | Pass   |
| ax40_7085MHz_RU_Full_Chain 0  | 42.800      | 320.000     | Pass   |
| ax40_7085MHz_RU_Full_Chain 1  | 43.400      | 320.000     | Pass   |
| ax40_7085MHz_RU_Full_Chain 2  | 43.200      | 320.000     | Pass   |
| ax40_7085MHz_RU_Full_Chain 3  | 43.300      | 320.000     | Pass   |
| ax80_6945MHz_RU_Full_Chain 0  | 89.800      | 320.000     | Pass   |
| ax80_6945MHz_RU_Full_Chain 1  | 88.600      | 320.000     | Pass   |
| ax80_6945MHz_RU_Full_Chain 2  | 89.800      | 320.000     | Pass   |
| ax80_6945MHz_RU_Full_Chain 3  | 89.000      | 320.000     | Pass   |
| ax80_7025MHz_RU_Full_Chain 0  | 89.800      | 320.000     | Pass   |
| ax80_7025MHz_RU_Full_Chain 1  | 86.800      | 320.000     | Pass   |
| ax80_7025MHz_RU_Full_Chain 2  | 87.000      | 320.000     | Pass   |
| ax80_7025MHz_RU_Full_Chain 3  | 88.200      | 320.000     | Pass   |
| ax160_6985MHz_RU_Full_Chain 0 | 174.000     | 320.000     | Pass   |
| ax160_6985MHz_RU_Full_Chain 1 | 170.400     | 320.000     | Pass   |
| ax160_6985MHz_RU_Full_Chain 2 | 172.400     | 320.000     | Pass   |
| ax160_6985MHz_RU_Full_Chain 3 | 172.400     | 320.000     | Pass   |

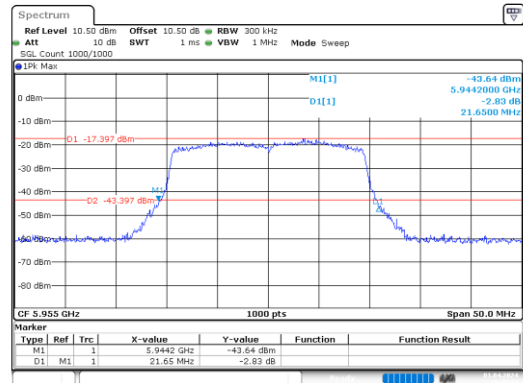
## 5925-6425 MHz

ax20\_5955MHz\_RU\_Full\_Chain 0



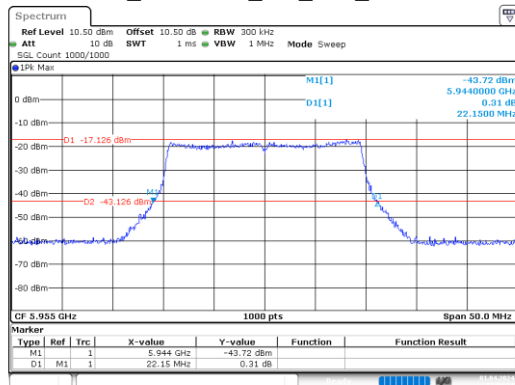
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Date: 30.MAR.2024 11:44:44

ax20\_5955MHz\_RU\_Full\_Chain 1



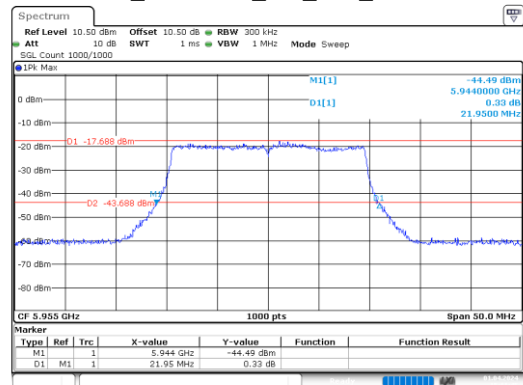
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Date: 1.APR.2024 10:19:25

ax20\_5955MHz\_RU\_Full\_Chain 2



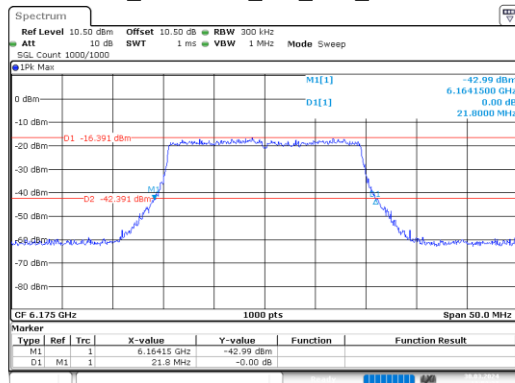
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Date: 1.APR.2024 13:04:24

ax20\_5955MHz\_RU\_Full\_Chain 3



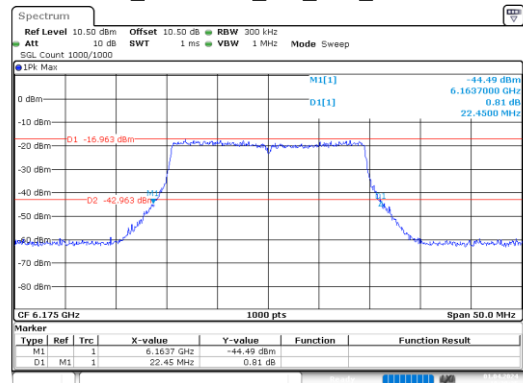
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Date: 1.APR.2024 15:11:45

ax20\_6175MHz\_RU\_Full\_Chain 0



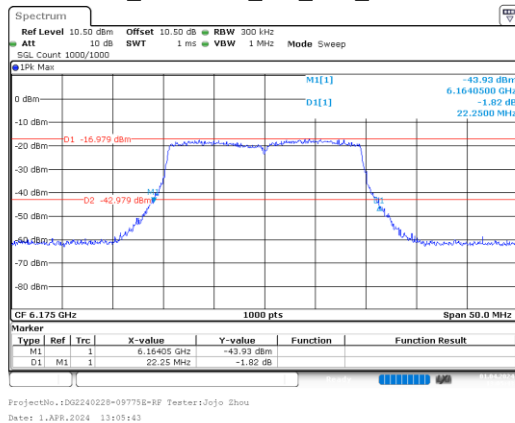
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Date: 30.MAR.2024 13:52:37

ax20\_6175MHz\_RU\_Full\_Chain 1

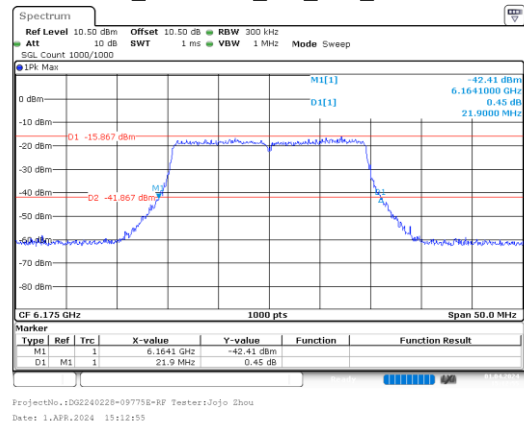


ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 10:20:36

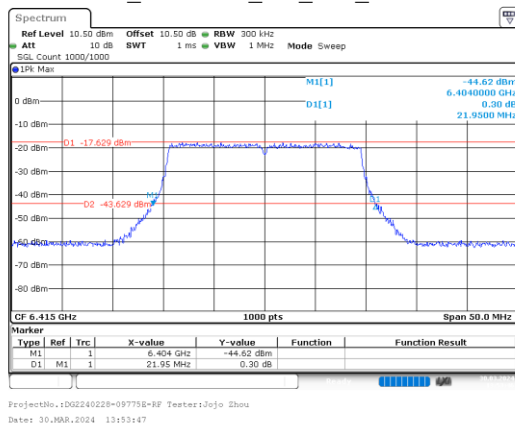
ax20\_6175MHz\_RU\_Full\_Chain 2



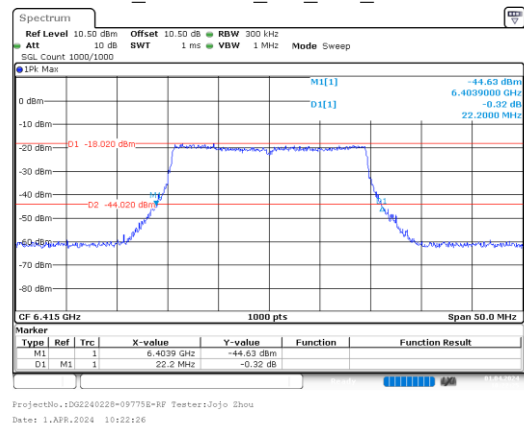
ax20\_6175MHz\_RU\_Full\_Chain 3



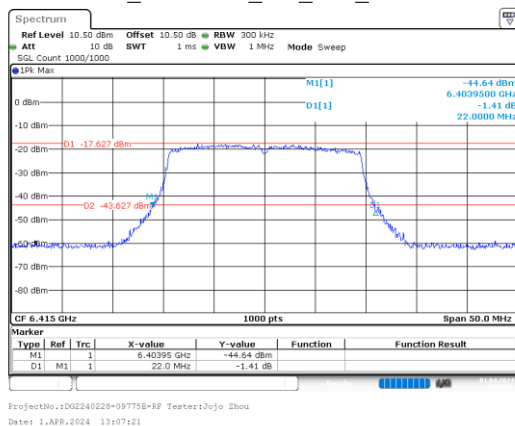
ax20\_6415MHz\_RU\_Full\_Chain 0



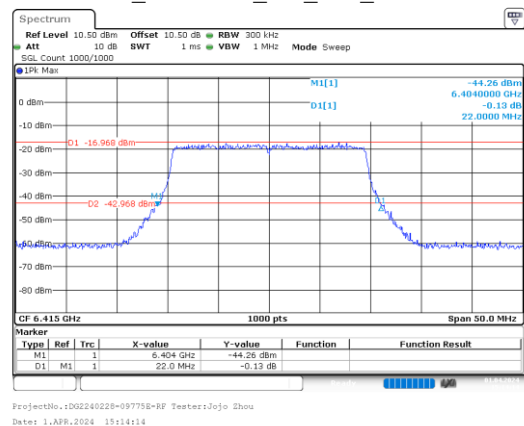
ax20\_6415MHz\_RU\_Full\_Chain 1



ax20\_6415MHz\_RU\_Full\_Chain 2

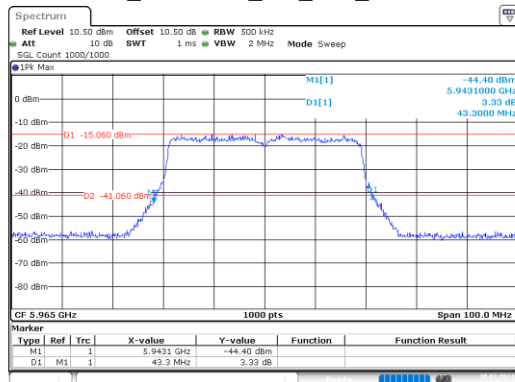


ax20\_6415MHz\_RU\_Full\_Chain 3

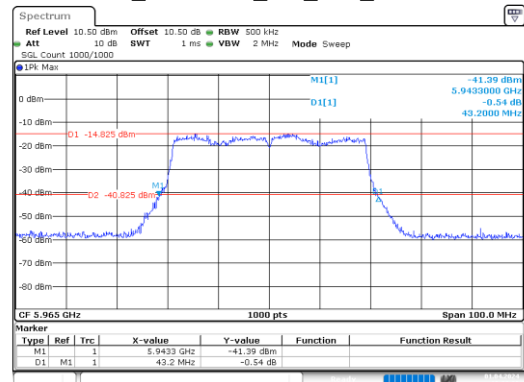




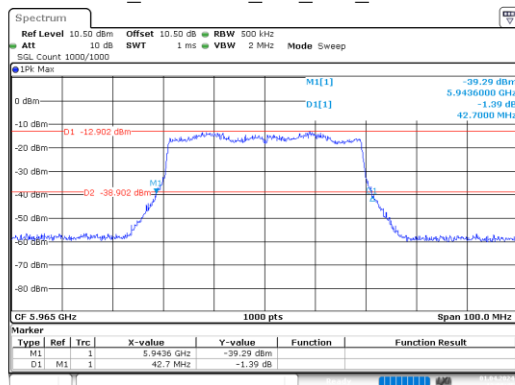
ax40\_5965MHz\_RU\_Full\_Chain 0



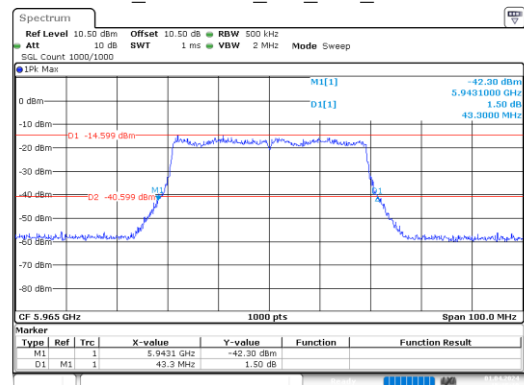
ax40\_5965MHz\_RU\_Full\_Chain 1



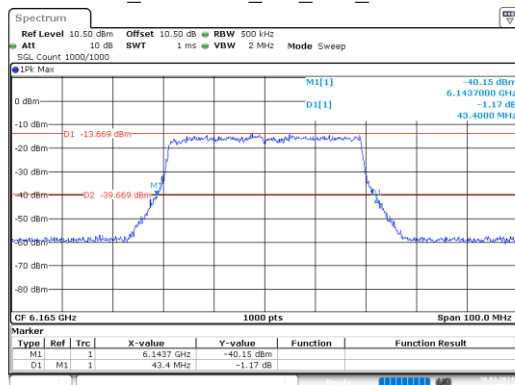
ax40\_5965MHz\_RU\_Full\_Chain 2



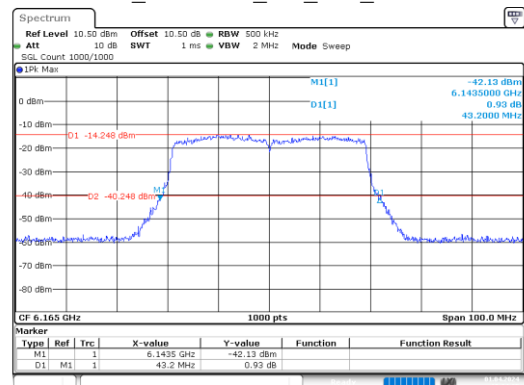
ax40\_5965MHz\_RU\_Full\_Chain 3



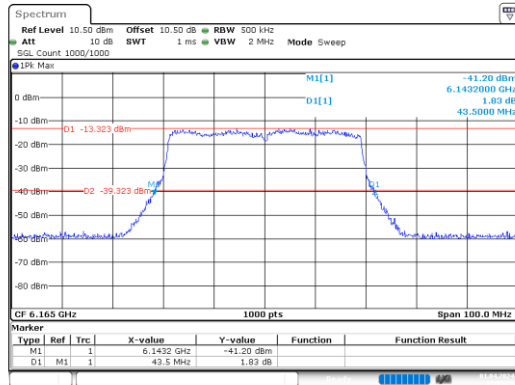
ax40\_6165MHz\_RU\_Full\_Chain 0



ax40\_6165MHz\_RU\_Full\_Chain 1

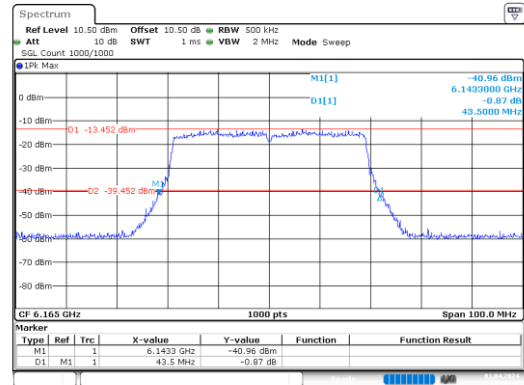


ax40\_6165MHz\_RU\_Full\_Chain 2



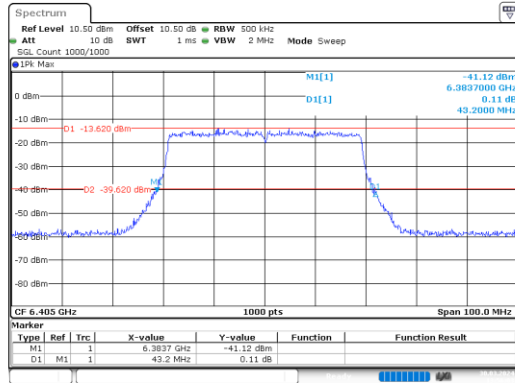
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ax40\_6165MHz\_RU\_Full\_Chain 3



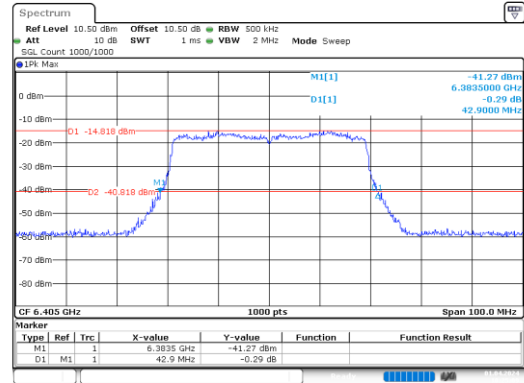
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Date: 1.APR.2024 13:16:17

ax40\_6405MHz\_RU\_Full\_Chain 0



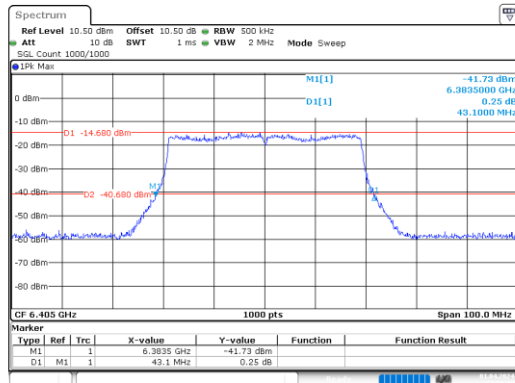
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Date: 30.MAR.2024 13:56:04

ax40\_6405MHz\_RU\_Full\_Chain 1



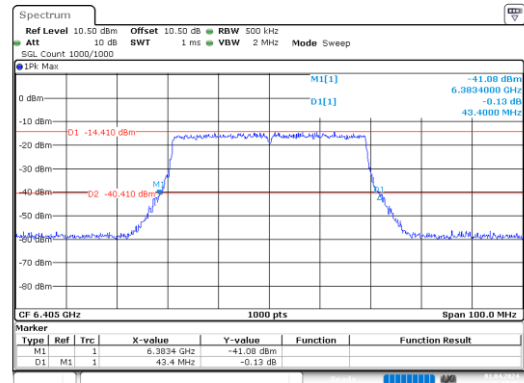
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Date: 1.APR.2024 10:25:10

ax40\_6405MHz\_RU\_Full\_Chain 2



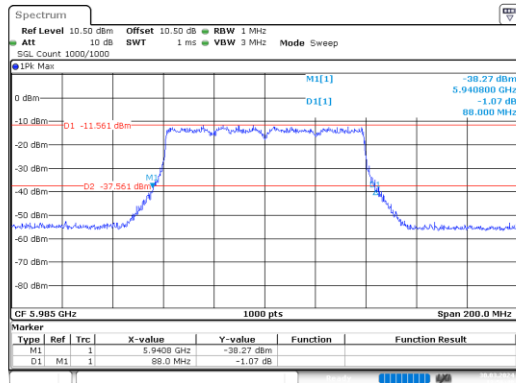
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Date: 1.APR.2024 13:16:21

ax40\_6405MHz\_RU\_Full\_Chain 3



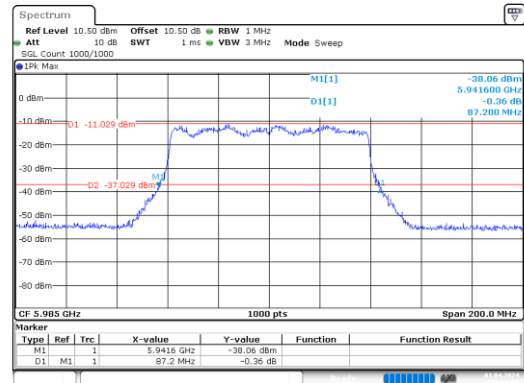
ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 13:17:05

ax80\_5985MHz\_RU\_Full\_Chain 0



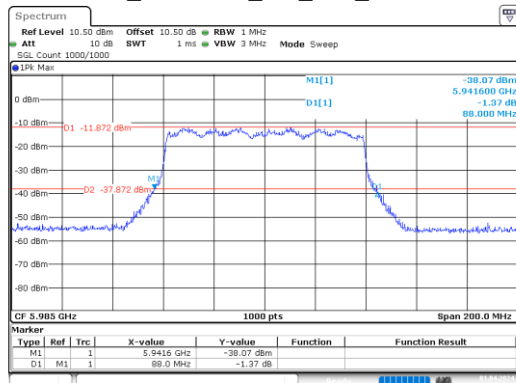
ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 30.MAR.2024 13:56:49

ax80\_5985MHz\_RU\_Full\_Chain 1



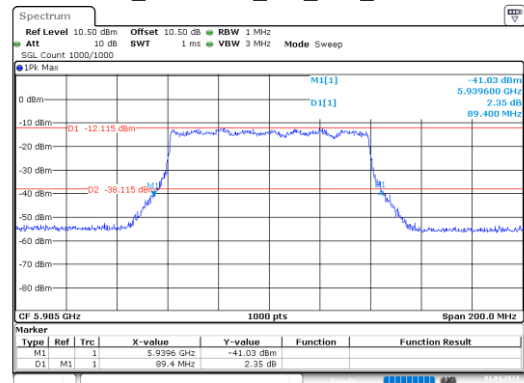
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Date: 1.APR.2024 10:26:06

ax80\_5985MHz\_RU\_Full\_Chain 2



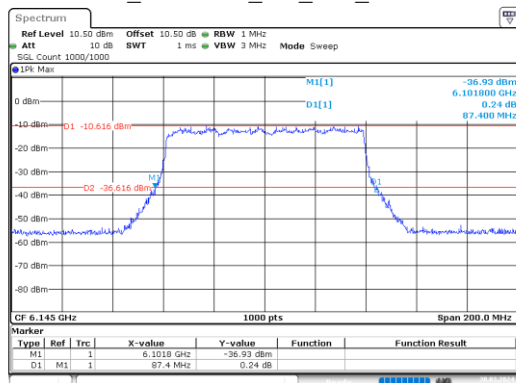
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Date: 1.APR.2024 13:33:07

ax80\_5985MHz\_RU\_Full\_Chain 3



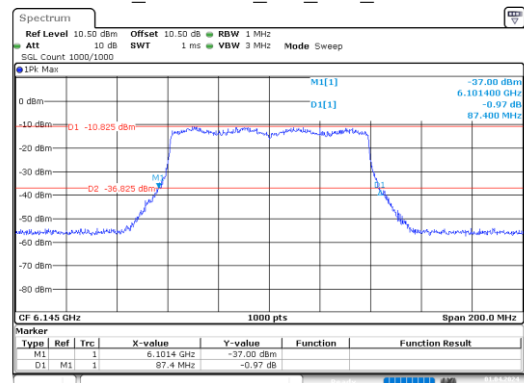
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Date: 1.APR.2024 15:10:00

ax80\_6145MHz\_RU\_Full\_Chain 0



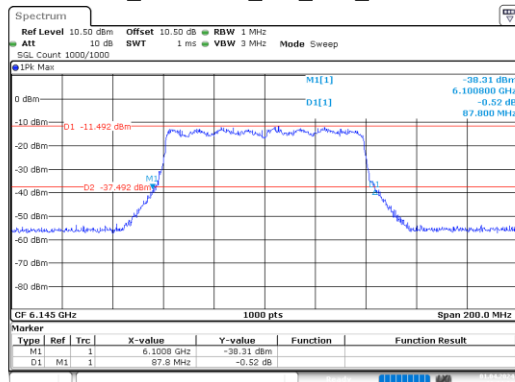
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Date: 30.MAR.2024 13:57:40

ax80\_6145MHz\_RU\_Full\_Chain 1



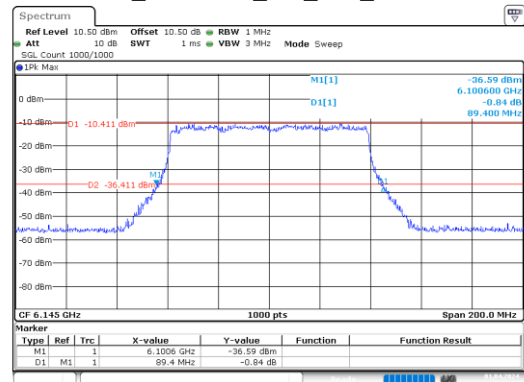
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Date: 1.APR.2024 10:27:08

ax80\_6145MHz\_RU\_Full\_Chain 2



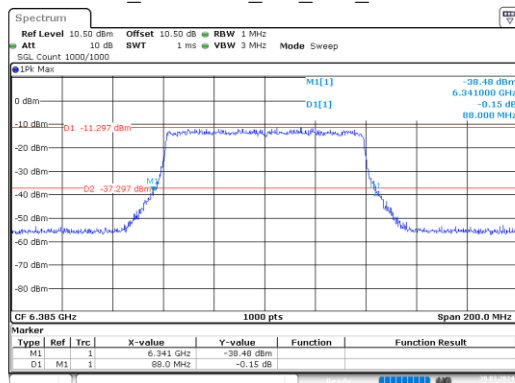
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Date: 1.APR.2024 13:34:04

ax80\_6145MHz\_RU\_Full\_Chain 3



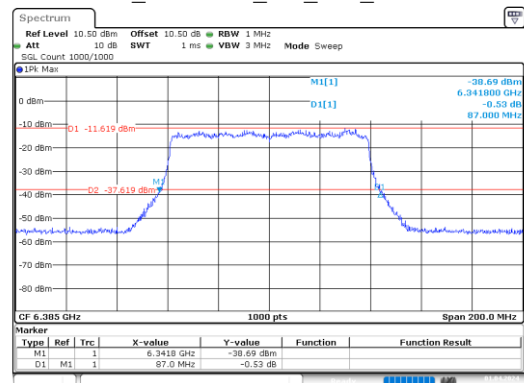
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Date: 1.APR.2024 15:18:51

ax80\_6385MHz\_RU\_Full\_Chain 0



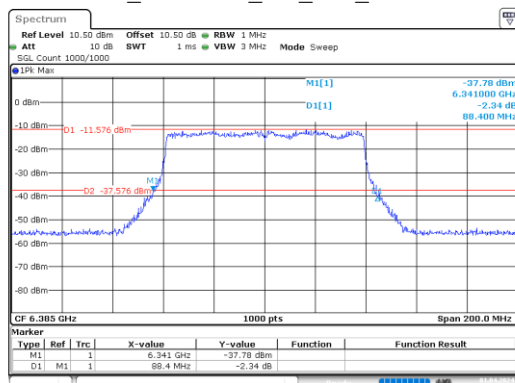
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Date: 30.APR.2024 13:58:27

ax80\_6385MHz\_RU\_Full\_Chain 1



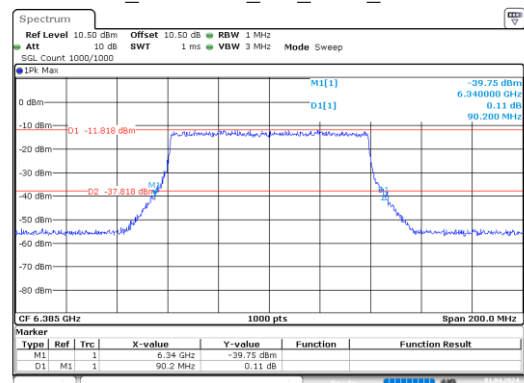
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Date: 1.APR.2024 10:28:24

ax80\_6385MHz\_RU\_Full\_Chain 2



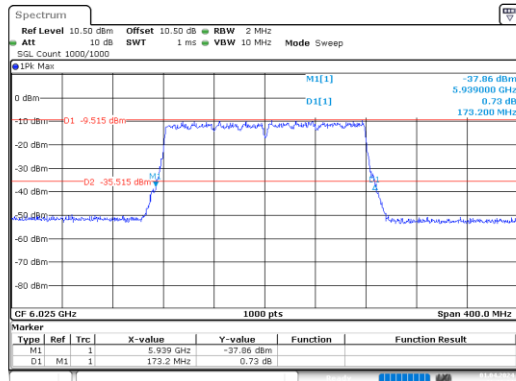
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Date: 1.APR.2024 13:19:58

ax80\_6385MHz\_RU\_Full\_Chain 0



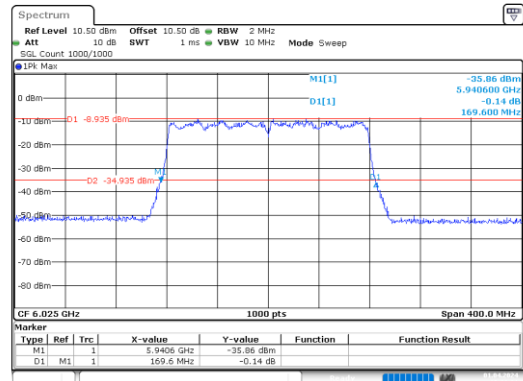
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Date: 1.APR.2024 15:19:52

ax160\_6025MHz\_RU\_Full\_Chain 0



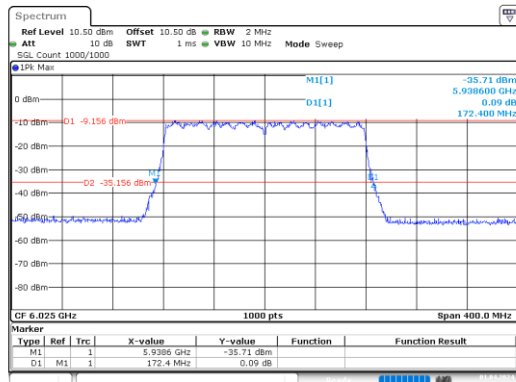
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Date: 1.APR.2024 16:36:21

ax160\_6025MHz\_RU\_Full\_Chain 1



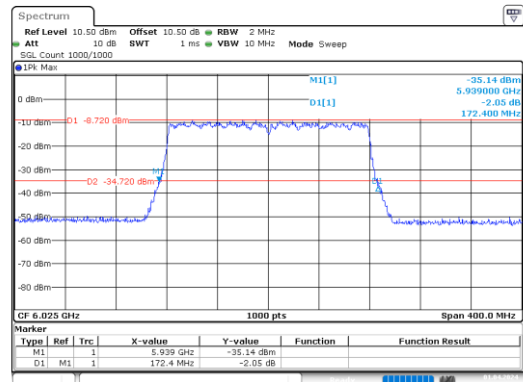
ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 10:31:32

ax160\_6025MHz\_RU\_Full\_Chain 2



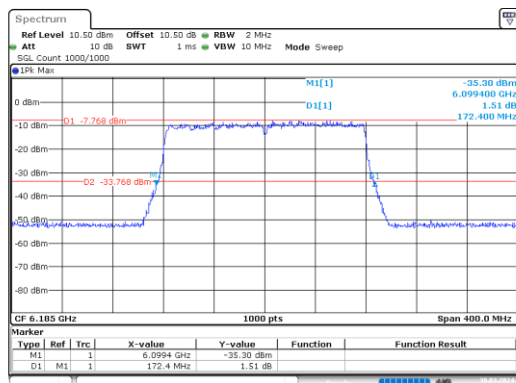
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Date: 1.APR.2024 13:29:45

ax160\_6025MHz\_RU\_Full\_Chain 3



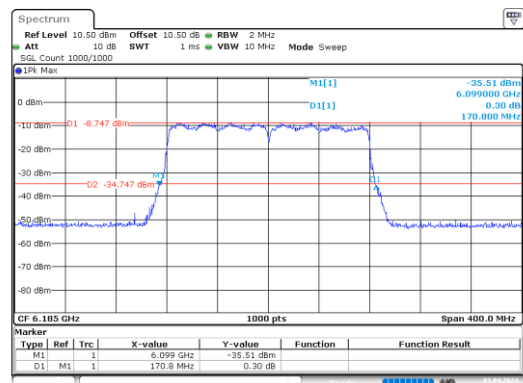
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Date: 1.APR.2024 15:21:07

ax160\_6185MHz\_RU\_Full\_Chain 0



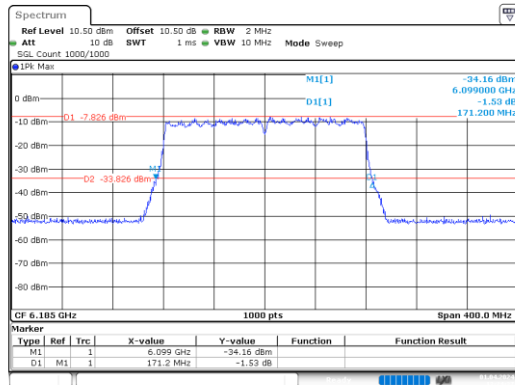
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Date: 30.MAR.2024 17:16:24

ax160\_6185MHz\_RU\_Full\_Chain 1



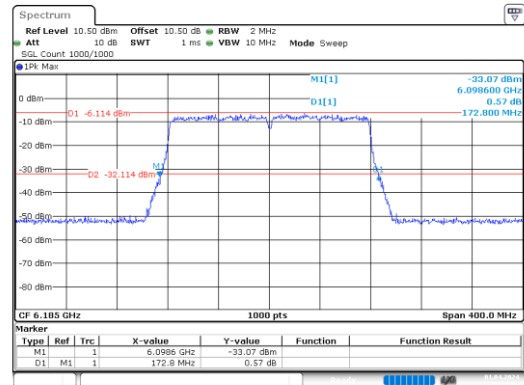
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Date: 1.APR.2024 10:33:20

ax160\_6185MHz\_RU\_Full\_Chain 2



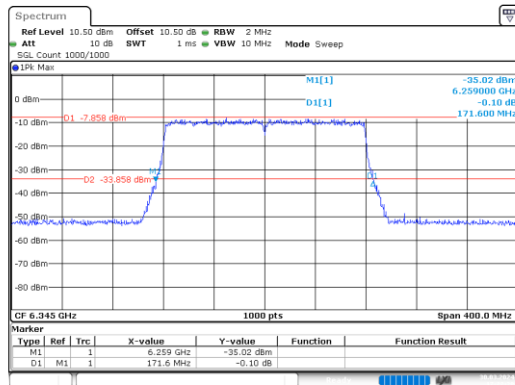
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Date: 1.APR.2024 13:24:38

ax160\_6185MHz\_RU\_Full\_Chain 3



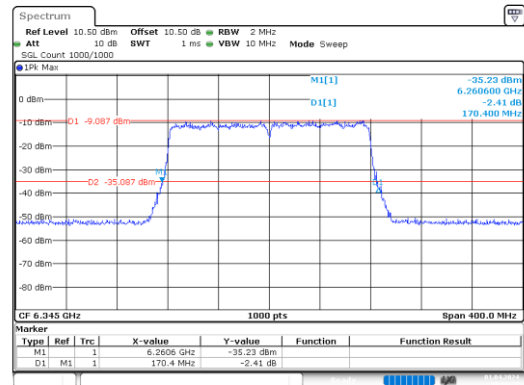
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Date: 1.APR.2024 15:22:06

ax160\_6345MHz\_RU\_Full\_Chain 0



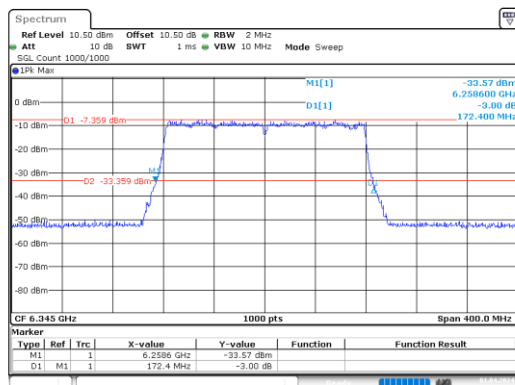
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Date: 30.MAR.2024 17:22:29

ax160\_6345MHz\_RU\_Full\_Chain 1



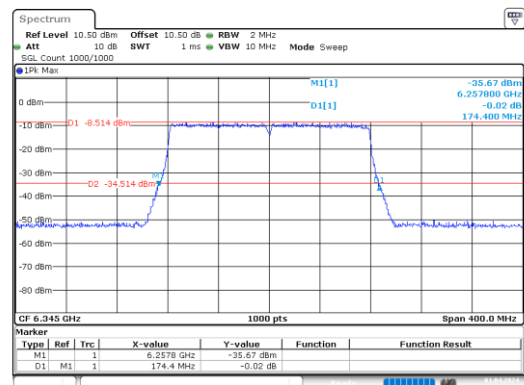
ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 10:16:27

ax160\_6345MHz\_RU\_Full\_Chain 2



ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 13:25:57

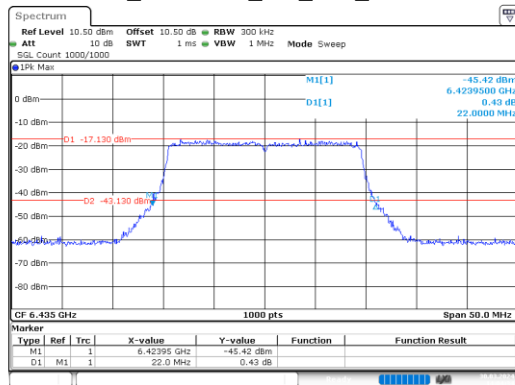
ax160\_6345MHz\_RU\_Full\_Chain 3



ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 15:23:03

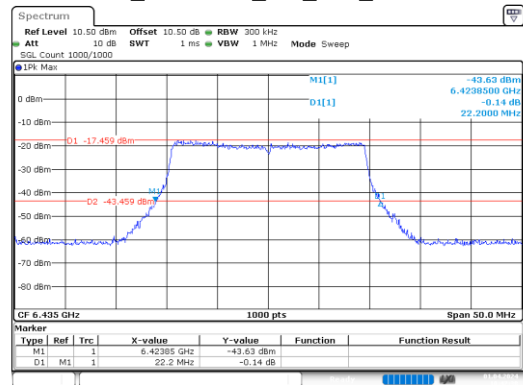
**6425-6525 MHz(including Crossed channel):**

ax20\_6435MHz\_RU\_Full\_Chain 0



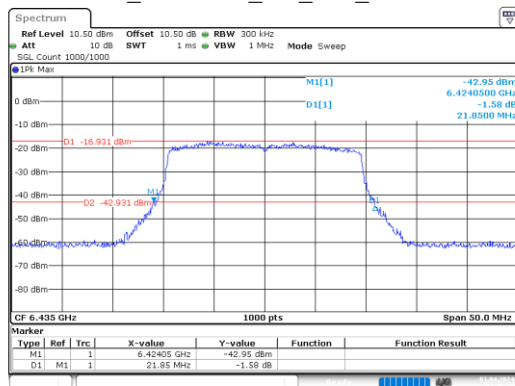
ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 30.MAR.2024 14:04:35

ax20\_6435MHz\_RU\_Full\_Chain 1



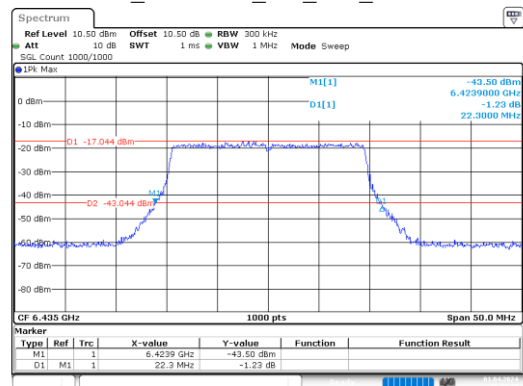
ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 10:42:38

ax20\_6435MHz\_RU\_Full\_Chain 2



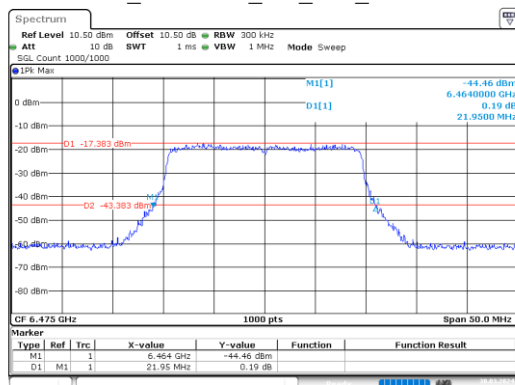
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ax20\_6435MHz\_RU\_Full\_Chain 3



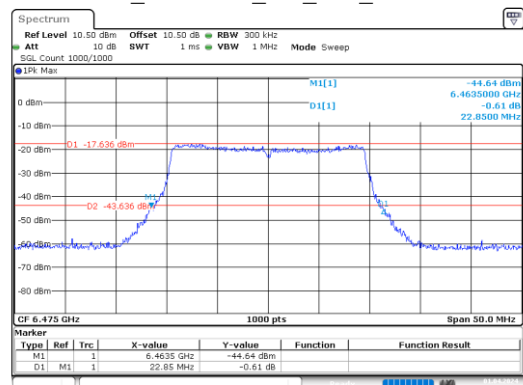
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Date: 1.APR.2024 15:44:23

ax20\_6475MHz\_RU\_Full\_Chain 0



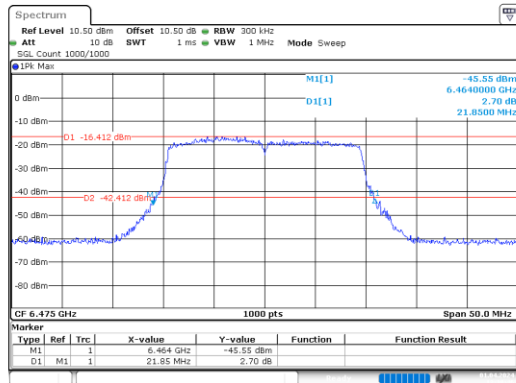
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Date: 30.MAR.2024 14:05:48

ax20\_6475MHz\_RU\_Full\_Chain 1



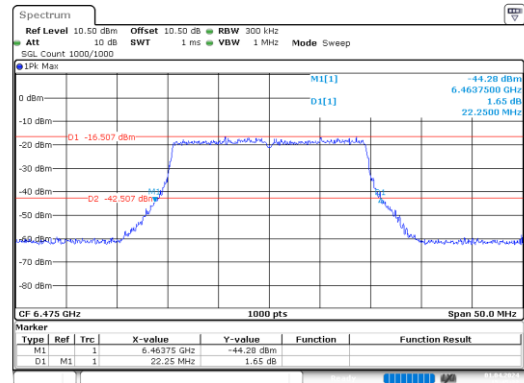
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Date: 1.APR.2024 10:43:44

ax20\_6475MHz\_RU\_Full\_Chain 2



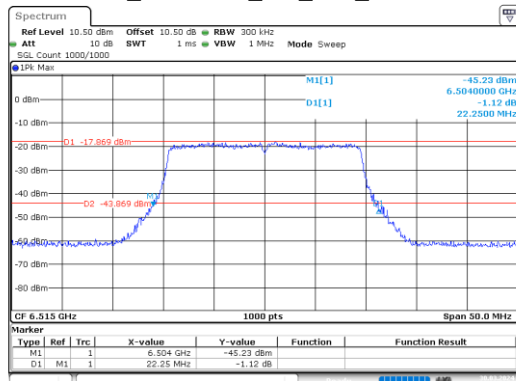
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Date: 1.APR.2024 13:38:46

ax20\_6475MHz\_RU\_Full\_Chain 3



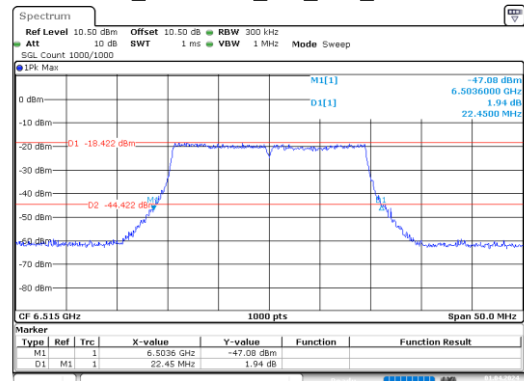
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Date: 1.APR.2024 15:45:33

ax20\_6515MHz\_RU\_Full\_Chain 0



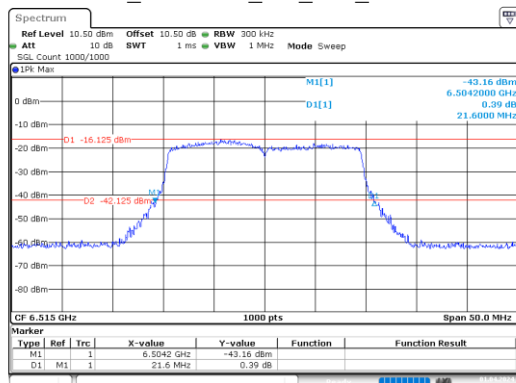
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ax20\_6515MHz\_RU\_Full\_Chain 1



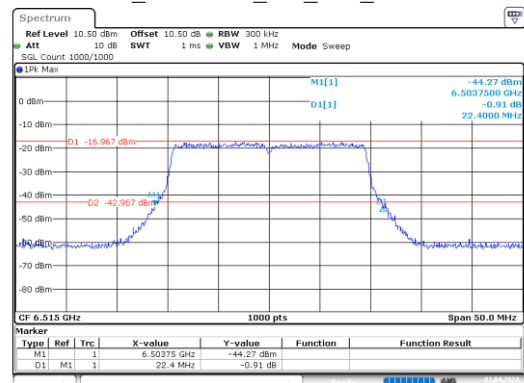
ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 10:44:58

ax20\_6515MHz\_RU\_Full\_Chain 2



ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 13:40:03

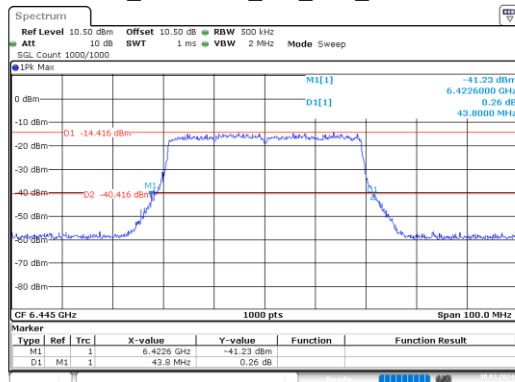
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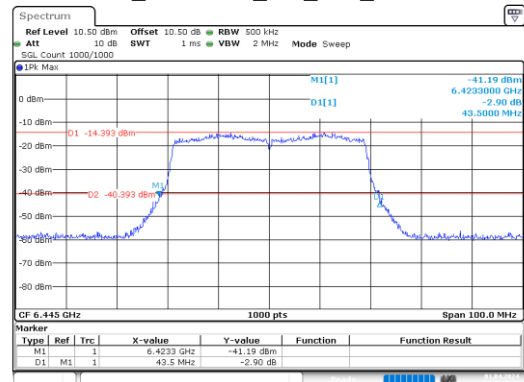
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Date: 1.APR.2024 15:46:38



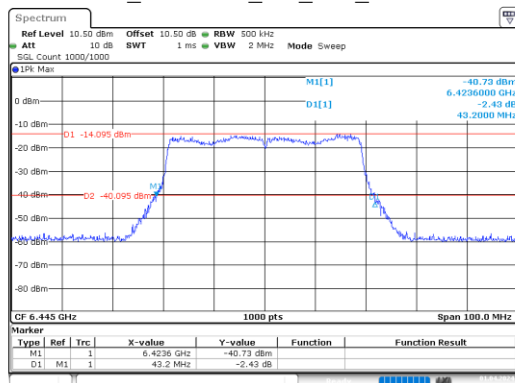
ax40\_6445MHz\_RU\_Full\_Chain 0



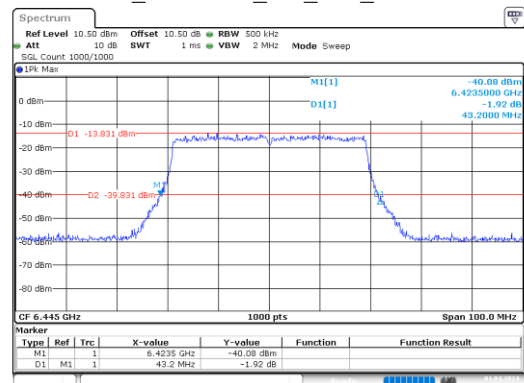
ax40\_6445MHz\_RU\_Full\_Chain 1



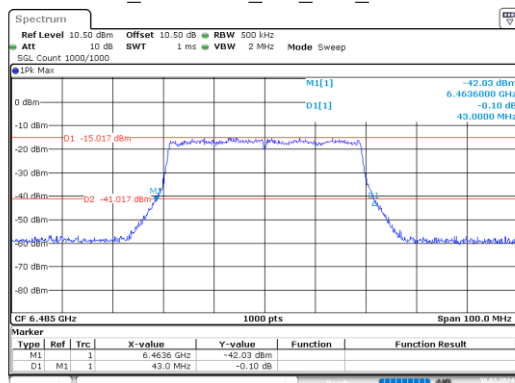
ax40\_6445MHz\_RU\_Full\_Chain 2



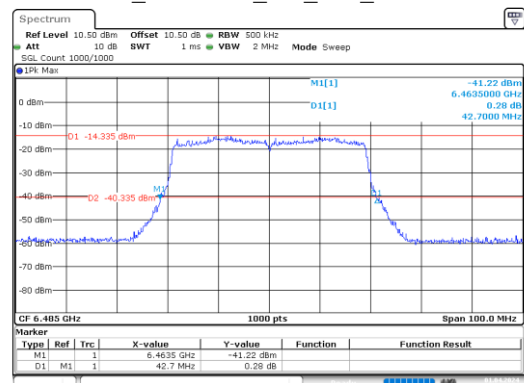
ax40\_6445MHz\_RU\_Full\_Chain 3



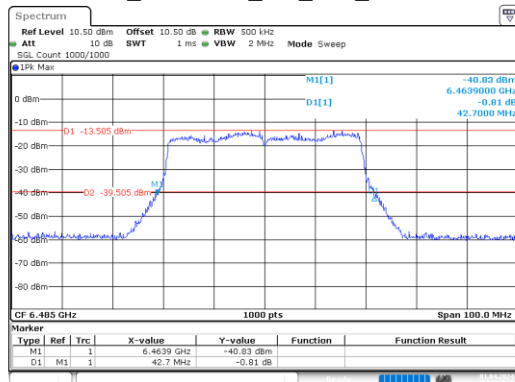
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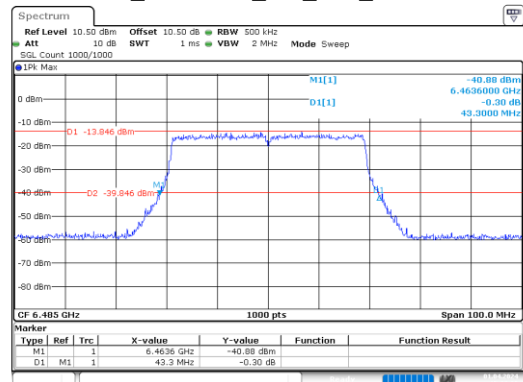
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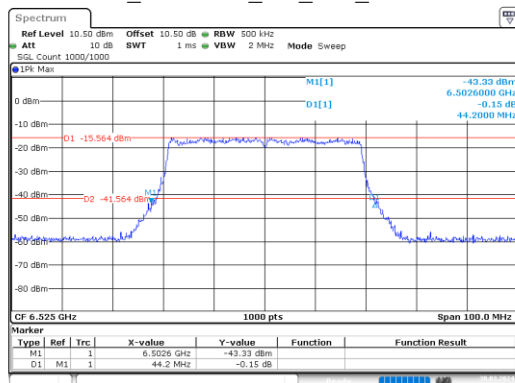
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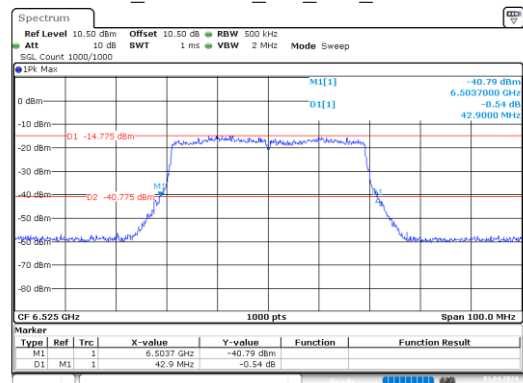
ax40\_6485MHz\_RU\_Full\_Chain 3



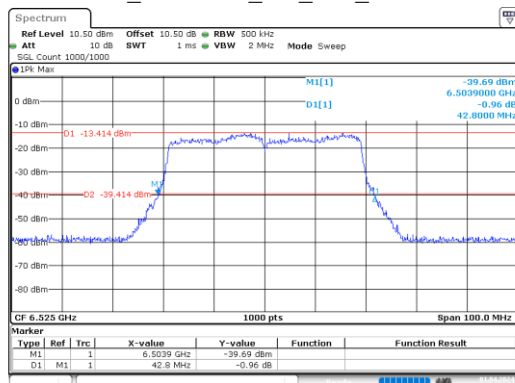
ax40\_6525MHz\_RU\_Full\_Chain 0



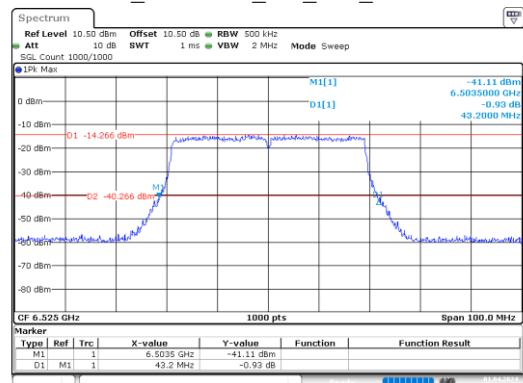
ax40\_6525MHz\_RU\_Full\_Chain 1



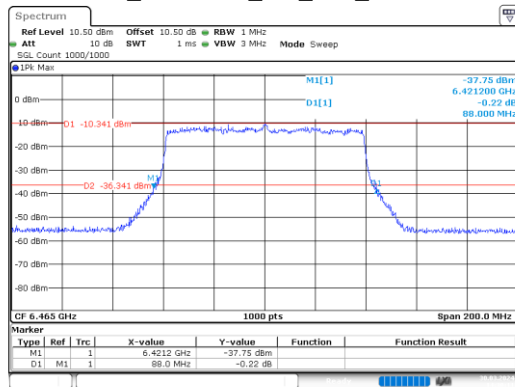
ax40\_6525MHz\_RU\_Full\_Chain 2



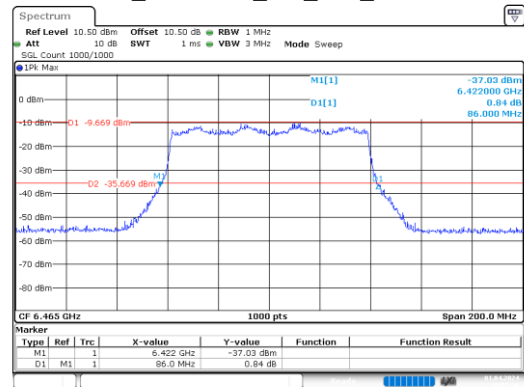
ax40\_6525MHz\_RU\_Full\_Chain 3



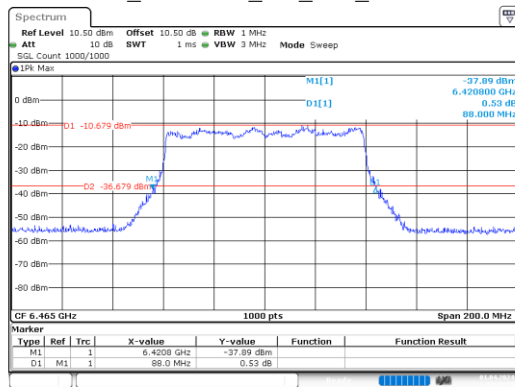
ax80\_6465MHz\_RU\_Full\_Chain 0



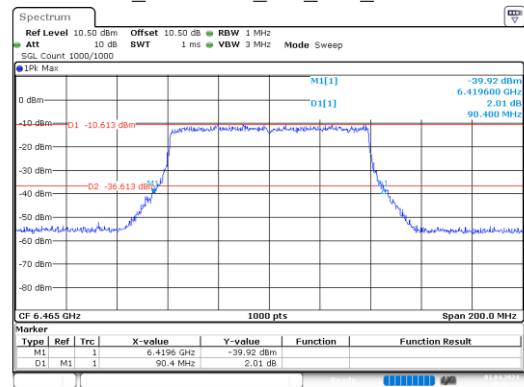
ax80\_6465MHz\_RU\_Full\_Chain 1



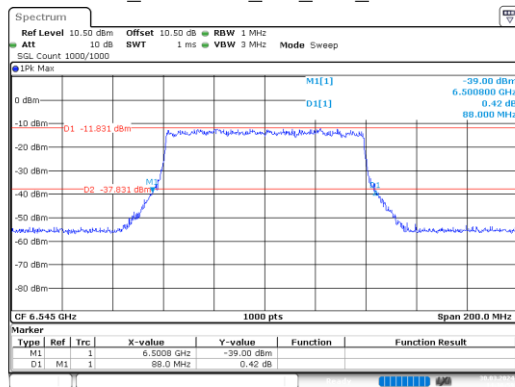
ax80\_6465MHz\_RU\_Full\_Chain 2



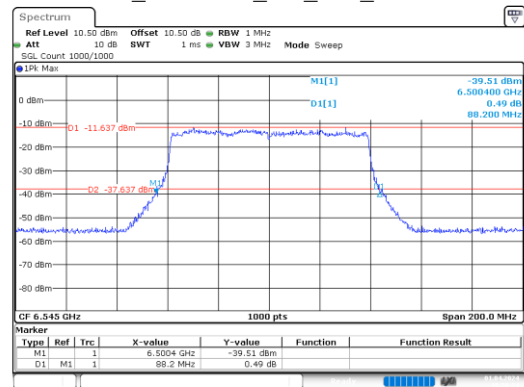
ax80\_6465MHz\_RU\_Full\_Chain 3



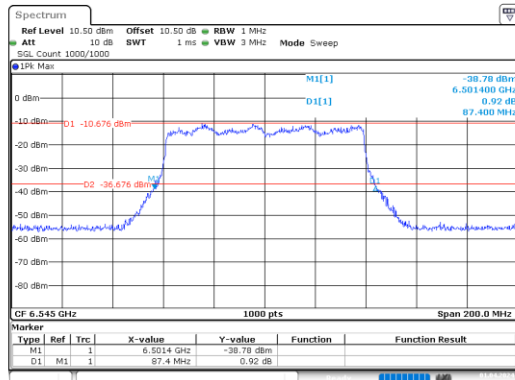
ax80\_6545MHz\_RU\_Full\_Chain 0



ax80\_6545MHz\_RU\_Full\_Chain 1

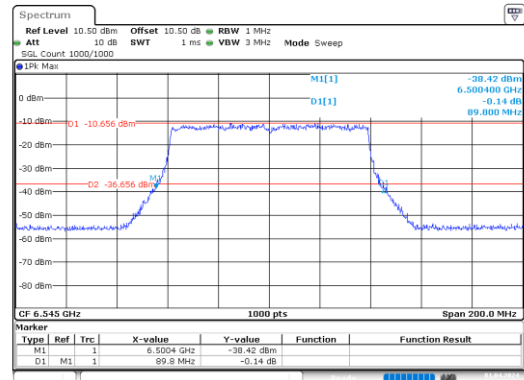


ax80\_6545MHz\_RU\_Full\_Chain 2



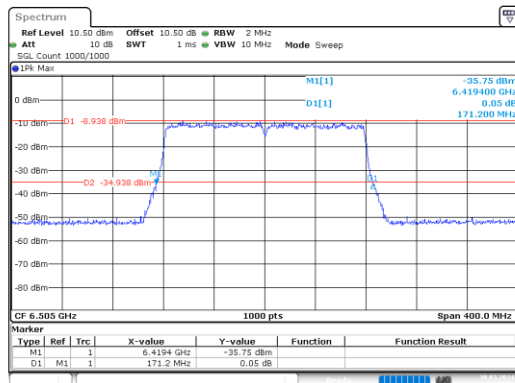
ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 13:46:39

ax80\_6545MHz\_RU\_Full\_Chain 3



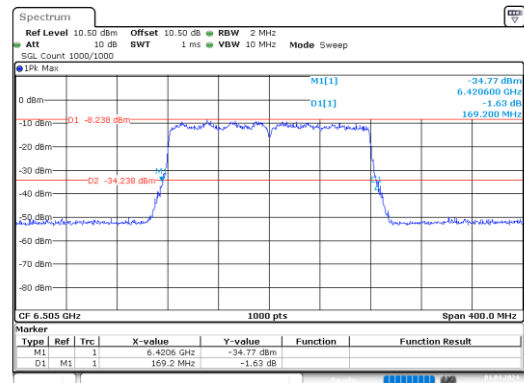
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Date: 1.APR.2024 15:41:12

ax160\_6505MHz\_RU\_Full\_Chain 0



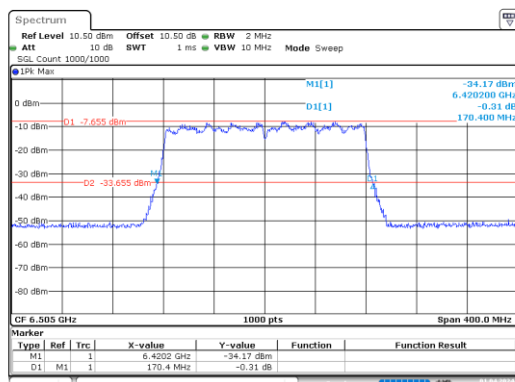
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Date: 30.MAR.2024 17:23:54

ax160\_6505MHz\_RU\_Full\_Chain 1



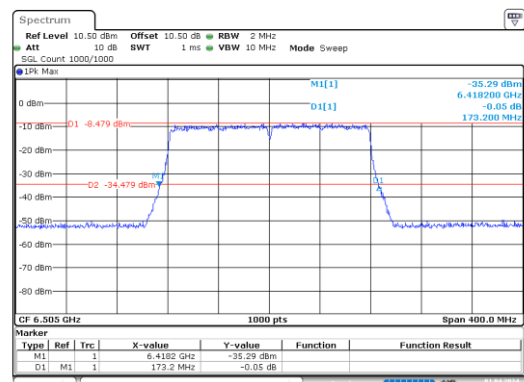
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Date: 1.APR.2024 10:59:41

ax160\_6505MHz\_RU\_Full\_Chain 2



ProjectNo.:DG2240228-09775E-RF Tester:Jojo Zhou  
Date: 1.APR.2024 13:48:04

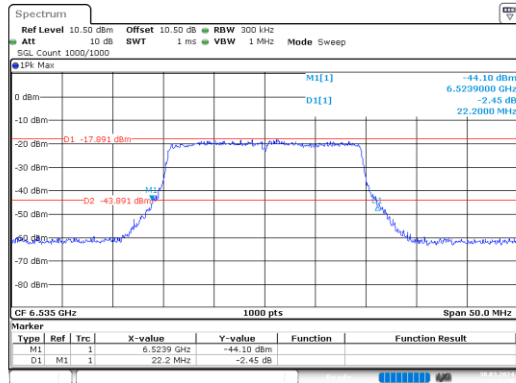
ax160\_6505MHz\_RU\_Full\_Chain 3



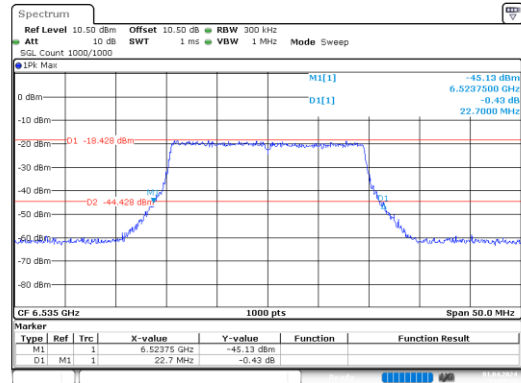
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Date: 1.APR.2024 15:42:21

## 6525-6875 MHz:

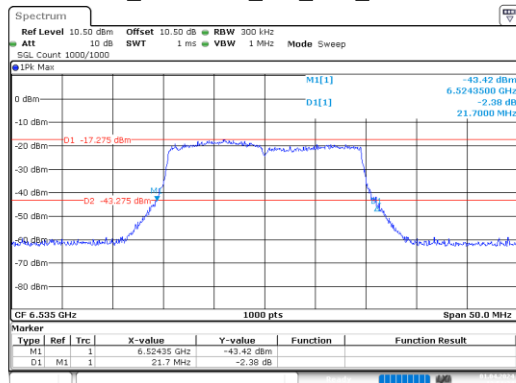
ax20\_6535MHz\_RU\_Full\_Chain 0



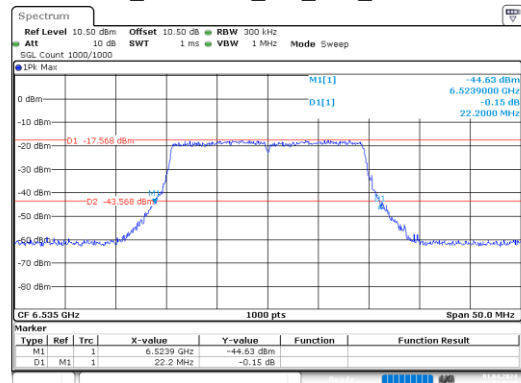
ax20\_6535MHz\_RU\_Full\_Chain 1



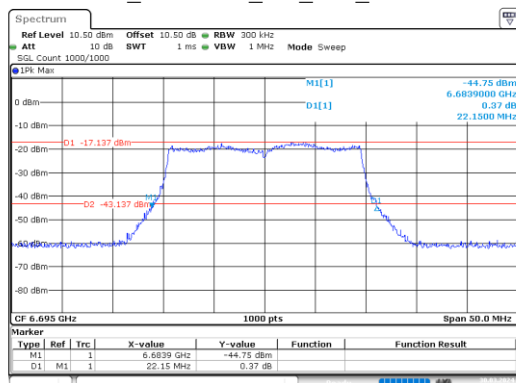
ax20\_6535MHz\_RU\_Full\_Chain 2



ax20\_6535MHz\_RU\_Full\_Chain 3



ax20\_6695MHz\_RU\_Full\_Chain 0



ax20\_6695MHz\_RU\_Full\_Chain 1

