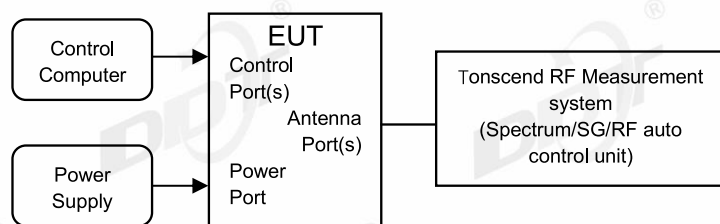


## 9. Power Spectral Density

### 9.1. Block diagram of test setup



### 9.2. Limits

| FCC Part15, Subpart E  |                                                                                            |                       |
|------------------------|--------------------------------------------------------------------------------------------|-----------------------|
| Test Item              | Limit                                                                                      | Frequency Range (MHz) |
| Power Spectral Density | Other than Mobile and portable:17 dBm/MHz<br>Mobile and portable client devices:11 dBm/MHz | 5150-5250             |
|                        | 11 dBm/MHz                                                                                 | 5250-5350             |
|                        | 11 dBm/MHz                                                                                 | 5470 - 5725           |
|                        | 30 dBm/500 kHz                                                                             | 5725-5850             |

### 9.3. Test procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyser and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Center Frequency | The centre frequency of the channel under test               |
| Detector         | RMS                                                          |
| RBW              | 1MHz                                                         |
| VBW              | $\geq 3 \times \text{RBW}$                                   |
| Span             | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace            | Max hold                                                     |
| Sweep time       | Auto                                                         |

5725 MHz-5850 MHz

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Center Frequency | The centre frequency of the channel under test               |
| Detector         | RMS                                                          |
| RBW              | 500 kHz                                                      |
| VBW              | $\geq 3 \times \text{RBW}$                                   |
| Span             | Encompass the entire emissions bandwidth (EBW) of the signal |

|            |          |
|------------|----------|
| Trace      | Max hold |
| Sweep time | Auto     |

## 9.4. Test result

|                    |                             |                |                          |
|--------------------|-----------------------------|----------------|--------------------------|
| Test Engineer:     | Zora Zhang                  | Test Site:     | RF Measurement System 1# |
| Ambient Condition: | 25.3℃,60.6%RH               | Test Date:     | 2024.04.19-2024.04.28    |
| Test Power Supply: | DC 5V from external adapter | Sample Number: | S24021902-001            |

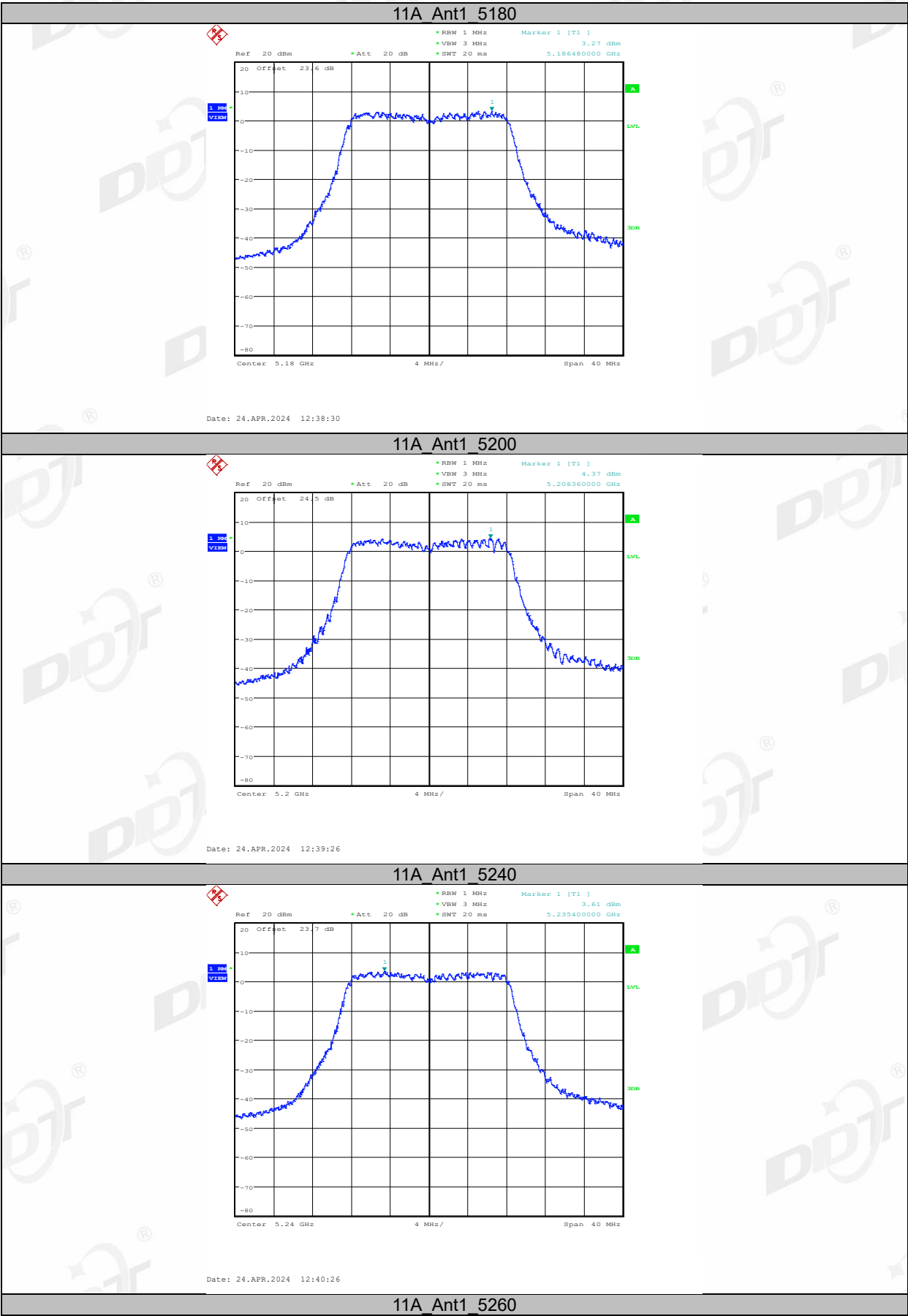
| Test Mode  | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5180           | 3.27             | ≤11.00         | PASS    |
|            |         | 5200           | 4.37             | ≤11.00         | PASS    |
|            |         | 5240           | 3.61             | ≤11.00         | PASS    |
|            |         | 5260           | 4.16             | ≤11.00         | PASS    |
|            |         | 5280           | 3.69             | ≤11.00         | PASS    |
|            |         | 5320           | 3.79             | ≤11.00         | PASS    |
|            |         | 5500           | 3.56             | ≤11.00         | PASS    |
|            |         | 5580           | 3.91             | ≤11.00         | PASS    |
|            |         | 5700           | 5.38             | ≤11.00         | PASS    |
|            |         | 5720 UNII-2C   | 4.08             | ≤11.00         | PASS    |
|            |         | 5720 UNII-3    | 1.08             | ≤30.00         | PASS    |
|            |         | 5745           | 2.40             | ≤30.00         | PASS    |
|            |         | 5785           | 2.17             | ≤30.00         | PASS    |
|            |         | 5825           | 2.09             | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5180           | 3.25             | ≤11.00         | PASS    |
|            |         | 5200           | 3.14             | ≤11.00         | PASS    |
|            |         | 5240           | 3.53             | ≤11.00         | PASS    |
|            |         | 5260           | 4.19             | ≤11.00         | PASS    |
|            |         | 5280           | 3.85             | ≤11.00         | PASS    |
|            |         | 5320           | 3.70             | ≤11.00         | PASS    |
|            |         | 5500           | 3.63             | ≤11.00         | PASS    |
|            |         | 5580           | 3.38             | ≤11.00         | PASS    |
|            |         | 5700           | 5.25             | ≤11.00         | PASS    |
|            |         | 5720 UNII-2C   | 3.90             | ≤11.00         | PASS    |
|            |         | 5720 UNII-3    | 1.40             | ≤30.00         | PASS    |
|            |         | 5745           | 2.35             | ≤30.00         | PASS    |
|            |         | 5785           | 1.76             | ≤30.00         | PASS    |
|            |         | 5825           | 1.96             | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5190           | 0.12             | ≤11.00         | PASS    |
|            |         | 5230           | 2.92             | ≤11.00         | PASS    |
|            |         | 5270           | 2.39             | ≤11.00         | PASS    |
|            |         | 5310           | 2.06             | ≤11.00         | PASS    |
|            |         | 5510           | 1.79             | ≤11.00         | PASS    |
|            |         | 5550           | 1.61             | ≤11.00         | PASS    |
|            |         | 5670           | 3.22             | ≤11.00         | PASS    |
|            |         | 5710 UNII-2C   | 2.92             | ≤11.00         | PASS    |
|            |         | 5710 UNII-3    | -1.01            | ≤30.00         | PASS    |
|            |         | 5755           | 0.71             | ≤30.00         | PASS    |
|            |         | 5795           | 0.27             | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5180           | 1.11             | ≤11.00         | PASS    |
|            |         | 5200           | 3.68             | ≤11.00         | PASS    |
|            |         | 5240           | 3.94             | ≤11.00         | PASS    |
|            |         | 5260           | 3.92             | ≤11.00         | PASS    |
|            |         | 5280           | 4.72             | ≤11.00         | PASS    |
|            |         | 5320           | 3.48             | ≤11.00         | PASS    |
|            |         | 5500           | 3.33             | ≤11.00         | PASS    |
|            |         | 5580           | 3.81             | ≤11.00         | PASS    |
|            |         | 5700           | 5.50             | ≤11.00         | PASS    |
|            |         | 5720 UNII-2C   | 4.53             | ≤11.00         | PASS    |
|            |         | 5720 UNII-3    | 1.87             | ≤30.00         | PASS    |
|            |         | 5745           | 1.79             | ≤30.00         | PASS    |
|            |         | 5785           | 1.99             | ≤30.00         | PASS    |
|            |         | 5825           | 2.07             | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5190           | -2.21            | ≤11.00         | PASS    |
|            |         | 5230           | 1.62             | ≤11.00         | PASS    |

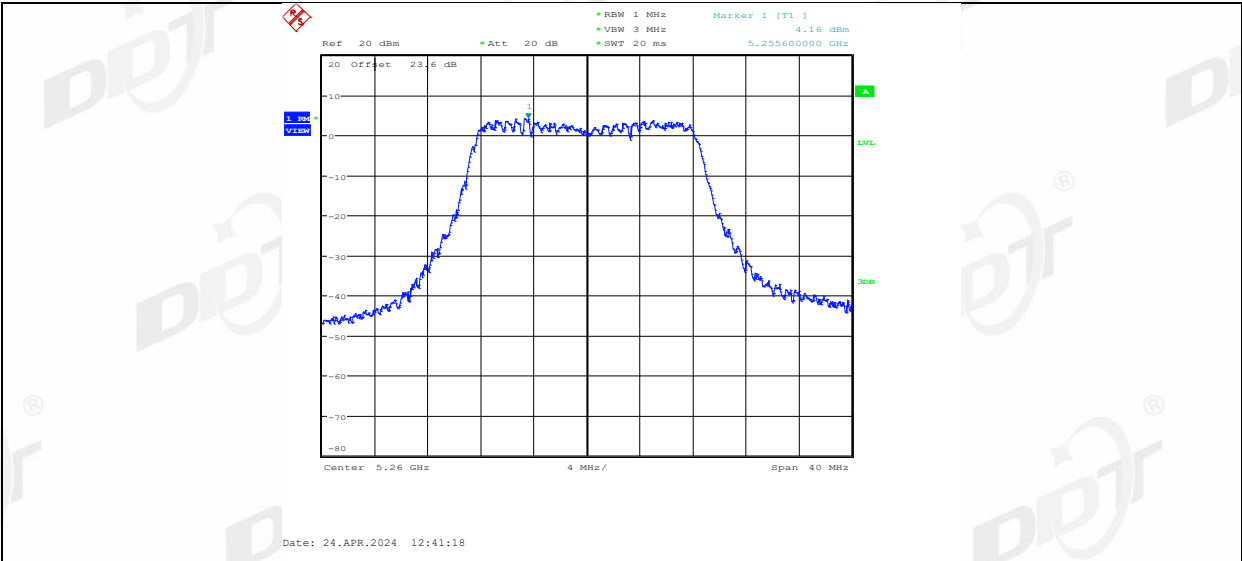
|            |      |              |       |        |      |
|------------|------|--------------|-------|--------|------|
|            |      | 5270         | 2.26  | ≤11.00 | PASS |
|            |      | 5310         | 1.75  | ≤11.00 | PASS |
|            |      | 5510         | 1.23  | ≤11.00 | PASS |
|            |      | 5550         | 2.54  | ≤11.00 | PASS |
|            |      | 5670         | 3.92  | ≤11.00 | PASS |
|            |      | 5710 UNII-2C | 3.29  | ≤11.00 | PASS |
|            |      | 5710 UNII-3  | -0.61 | ≤30.00 | PASS |
|            |      | 5755         | 0.02  | ≤30.00 | PASS |
|            |      | 5795         | 0.43  | ≤30.00 | PASS |
| 11AC80SISO | Ant1 | 5210         | -3.27 | ≤11.00 | PASS |
|            |      | 5290         | -0.76 | ≤11.00 | PASS |
|            |      | 5530         | 1.33  | ≤11.00 | PASS |
|            |      | 5610         | 1.11  | ≤11.00 | PASS |
|            |      | 5690 UNII-2C | 2.96  | ≤11.00 | PASS |
|            |      | 5690 UNII-3  | -1.50 | ≤30.00 | PASS |
|            |      | 5775         | -0.75 | ≤30.00 | PASS |

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

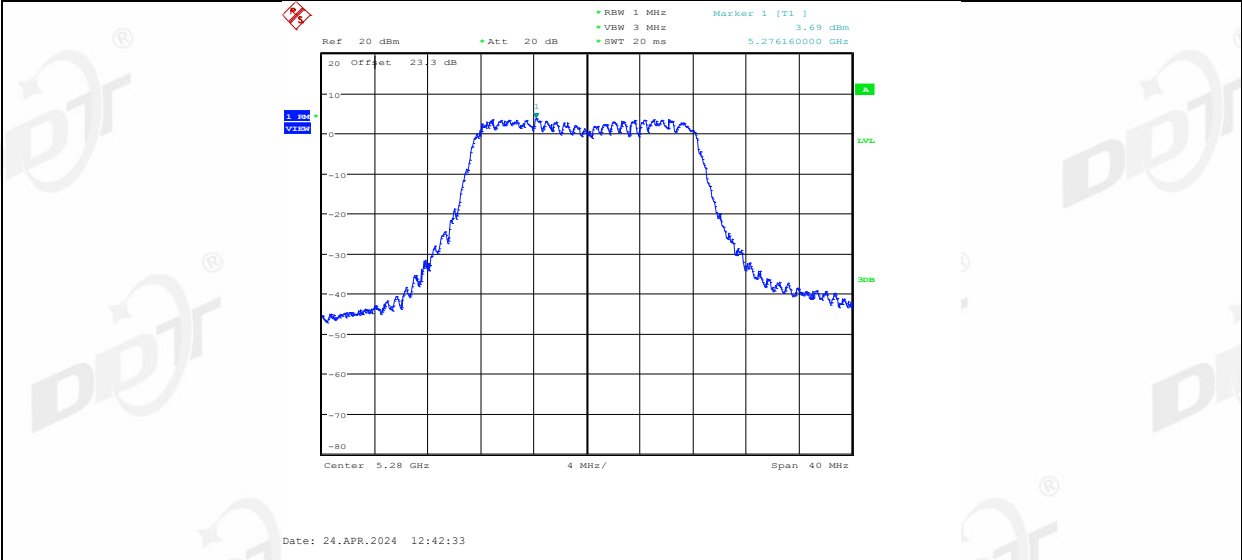
2.The Duty Cycle Factor is compensated in the graph.

9.5. Test graphs

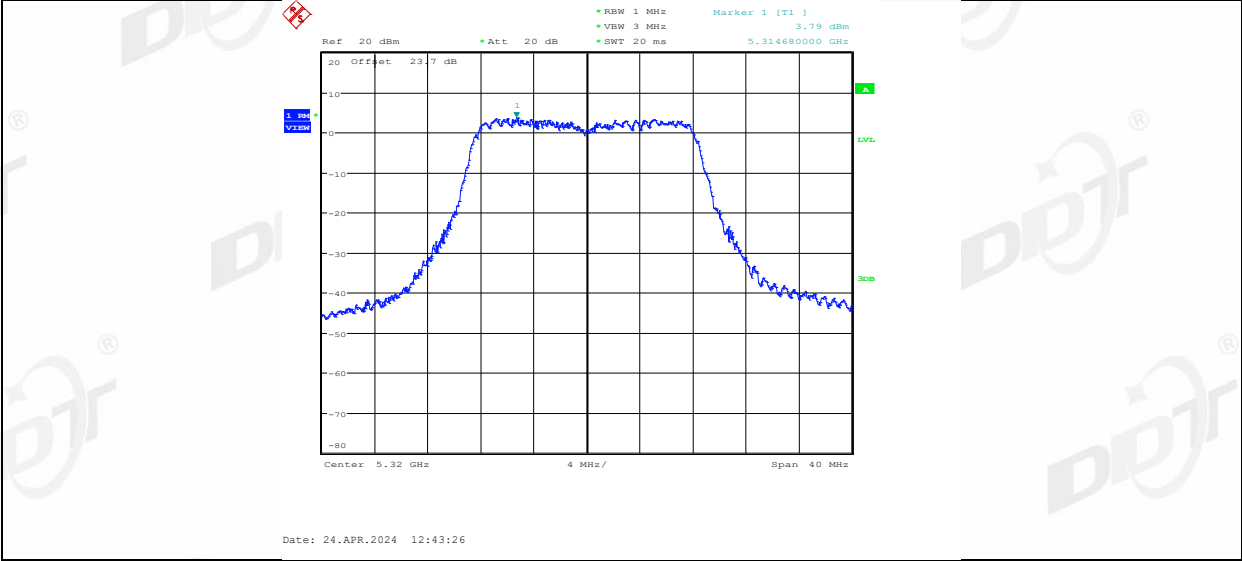




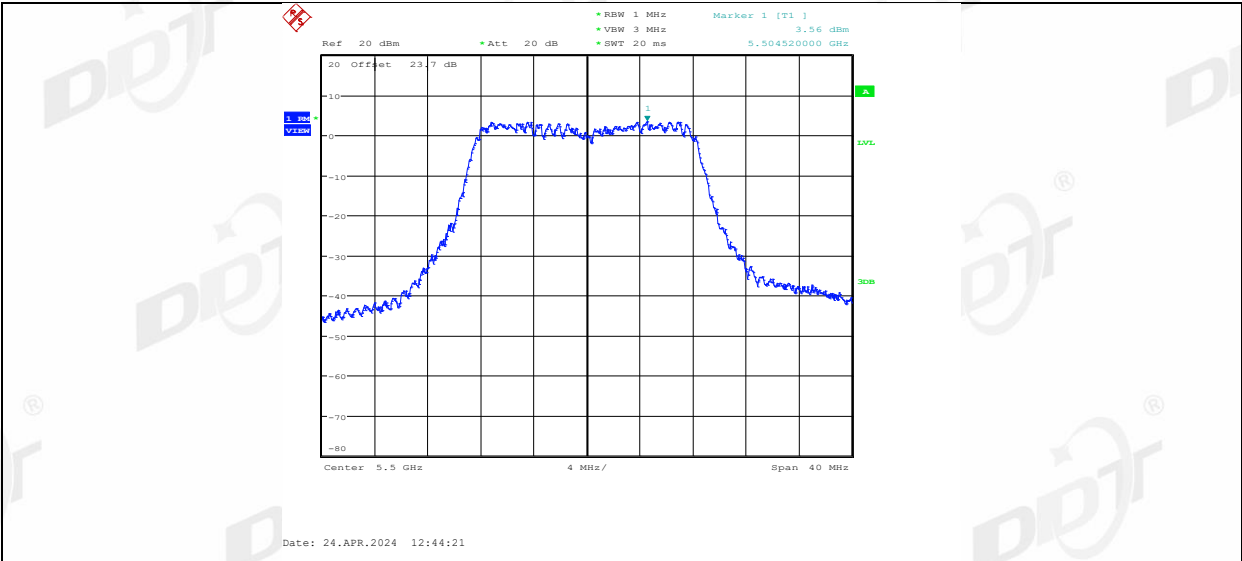
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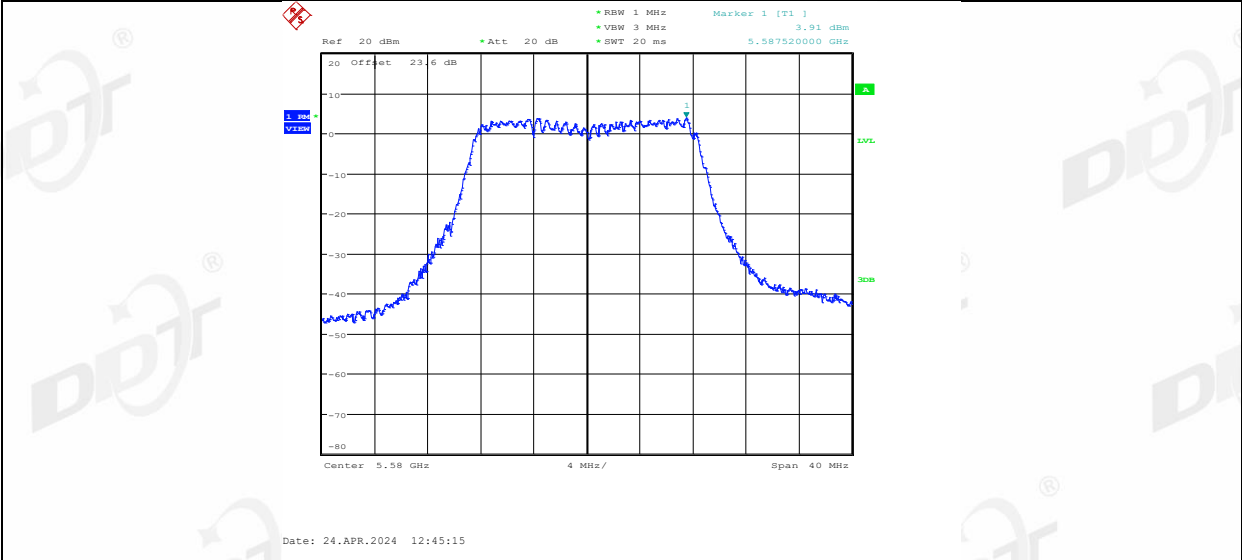
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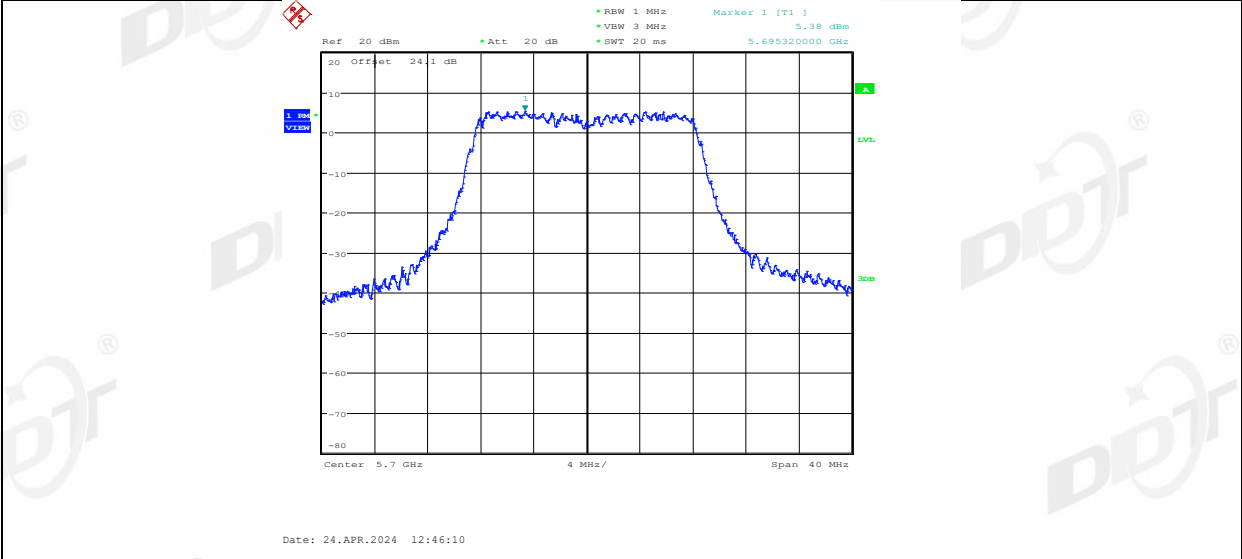
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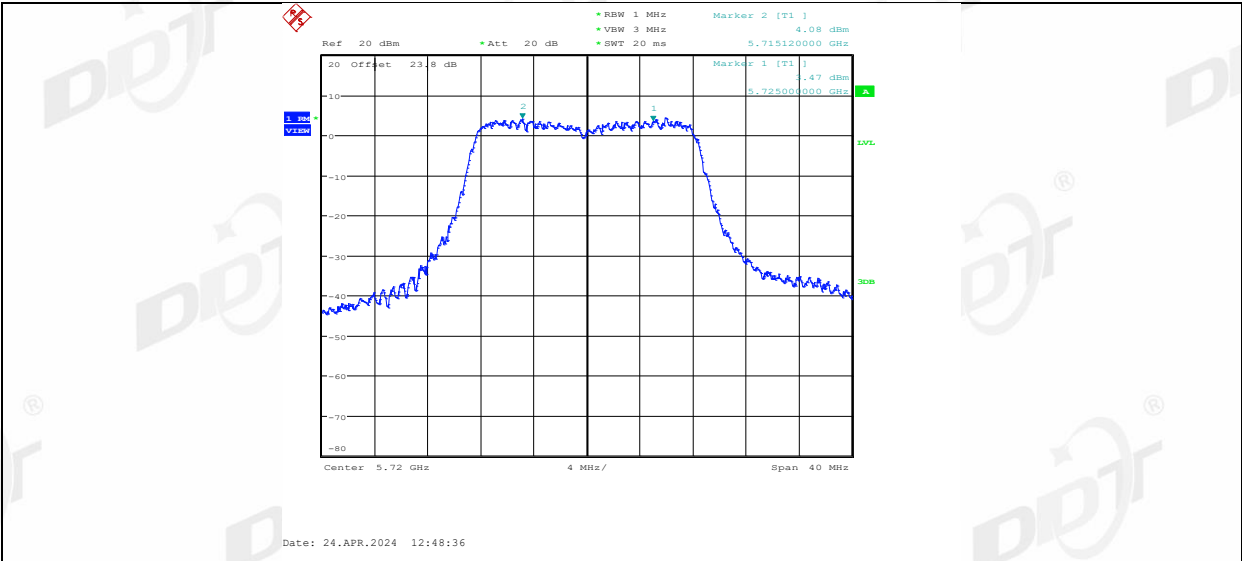
11A\_Ant1\_5580



11A\_Ant1\_5700



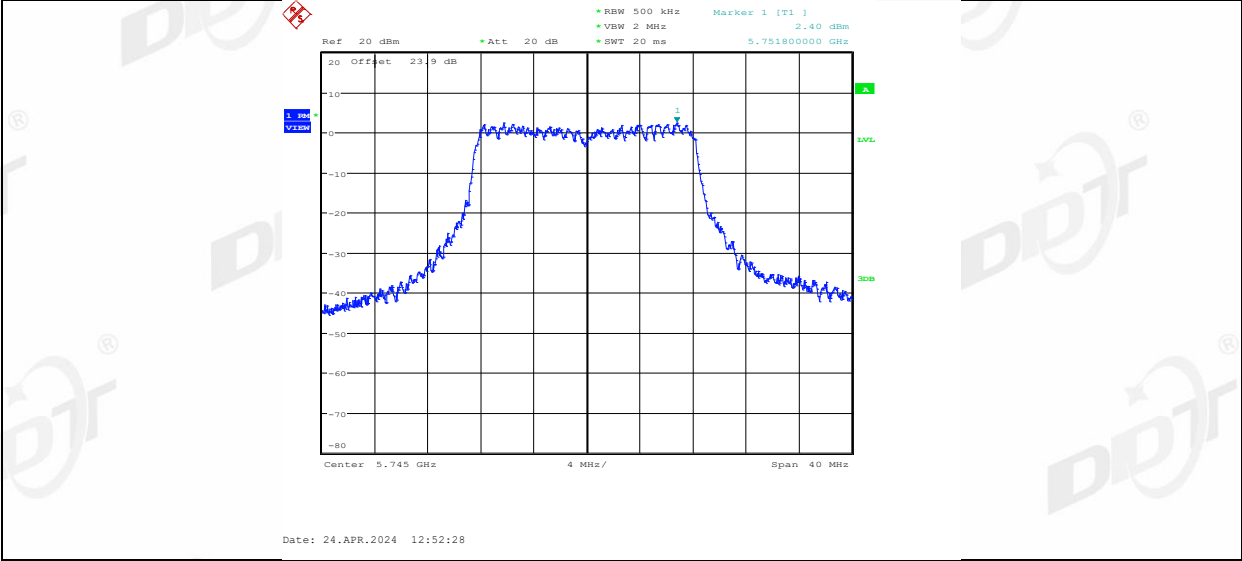
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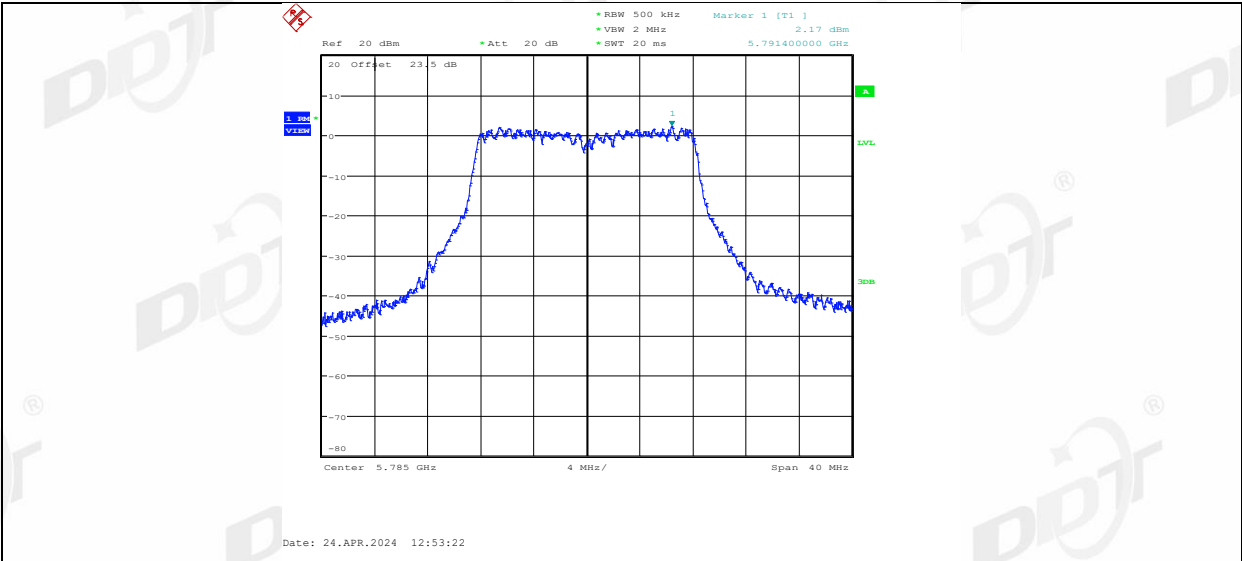
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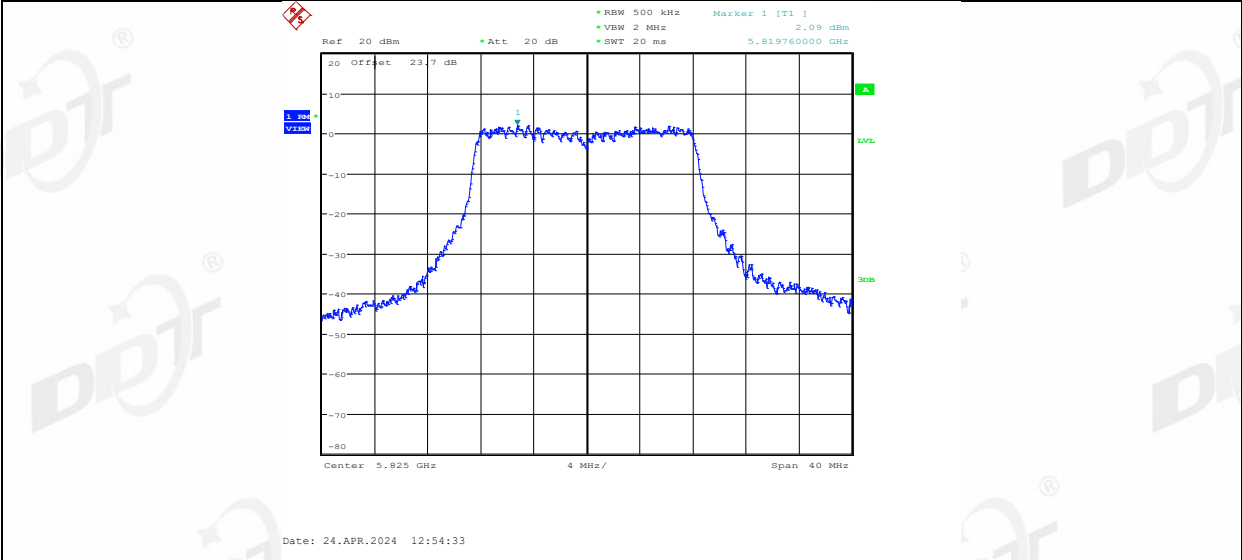
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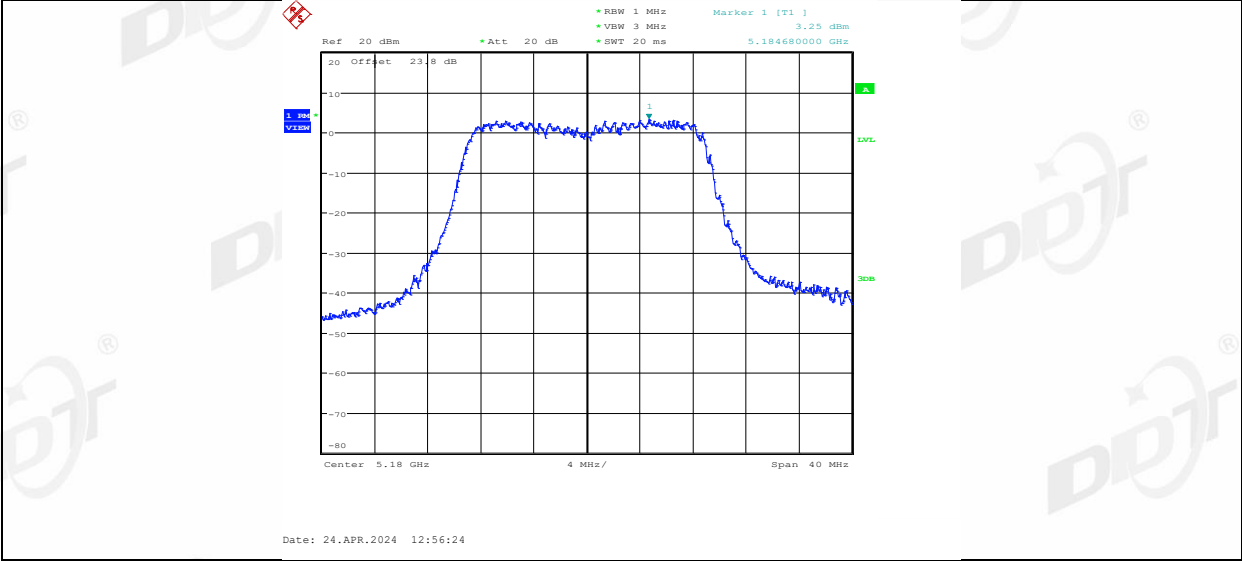
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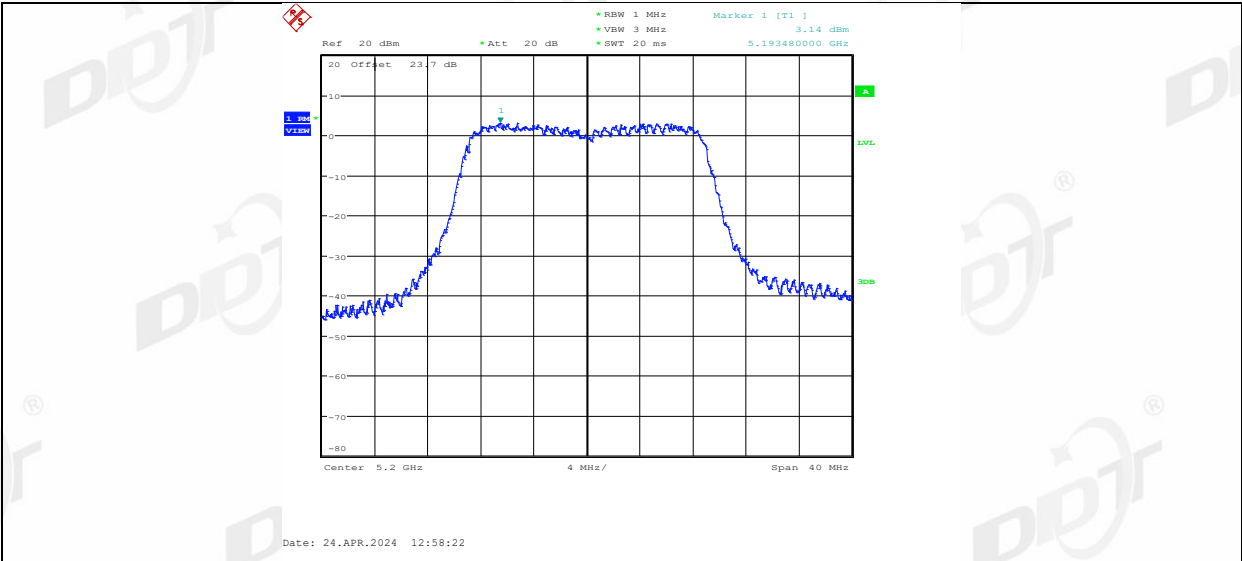
11A\_Ant1\_5825



11N20SISO\_Ant1\_5180



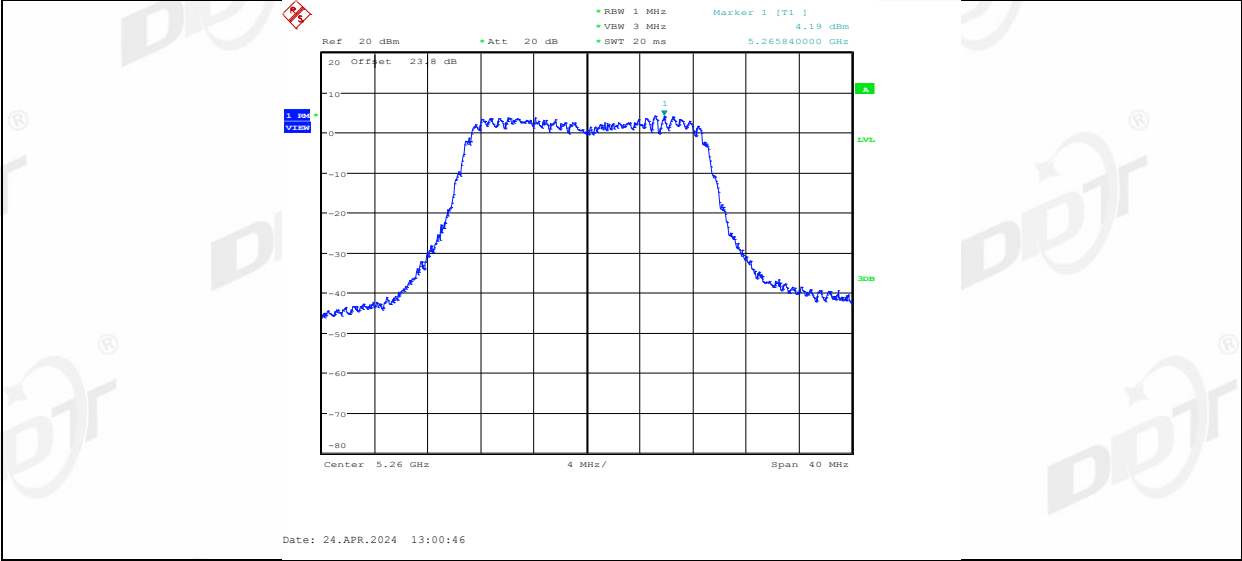
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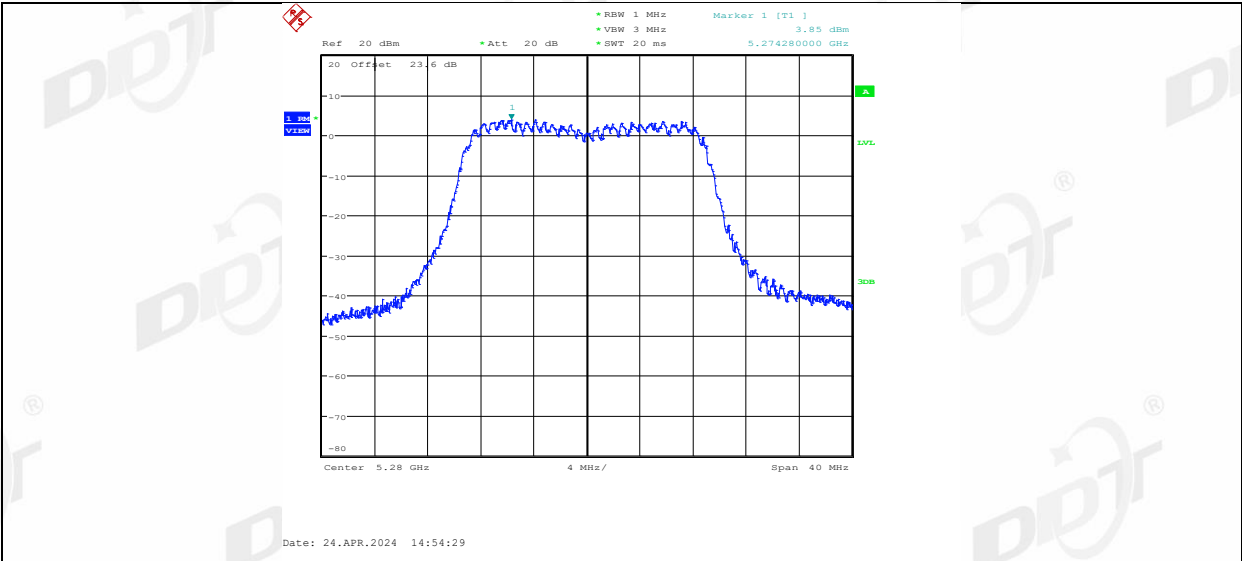
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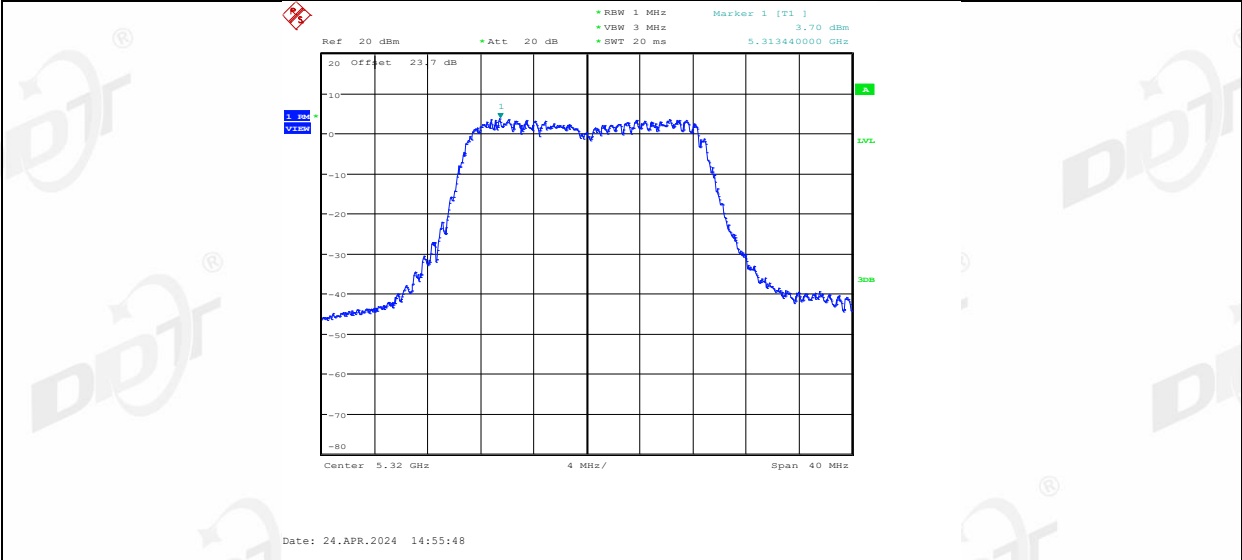
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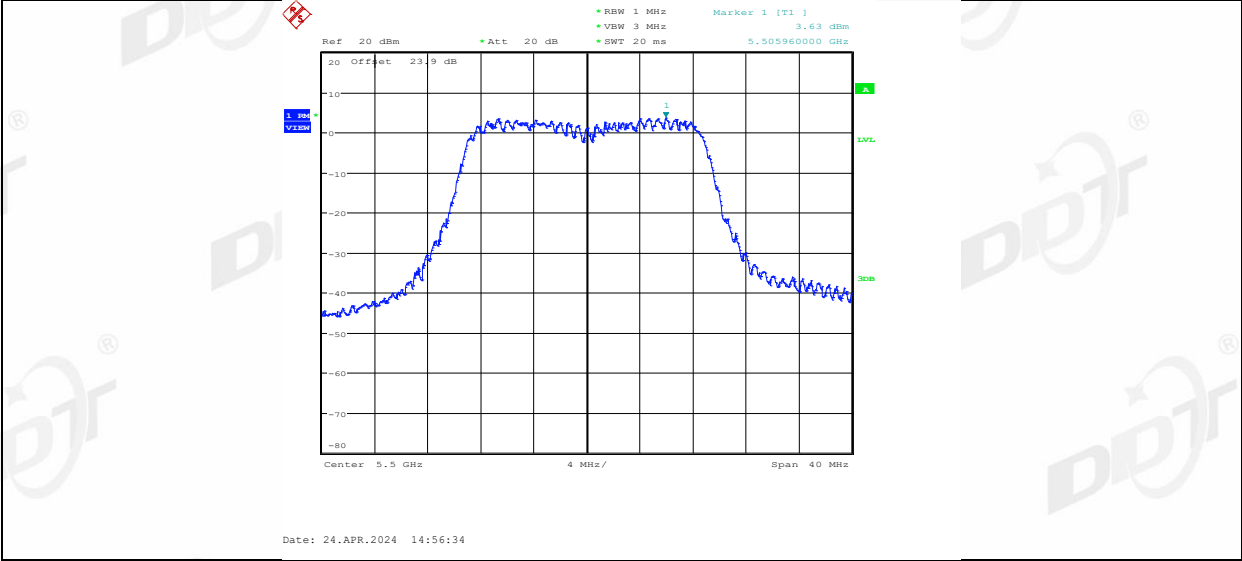
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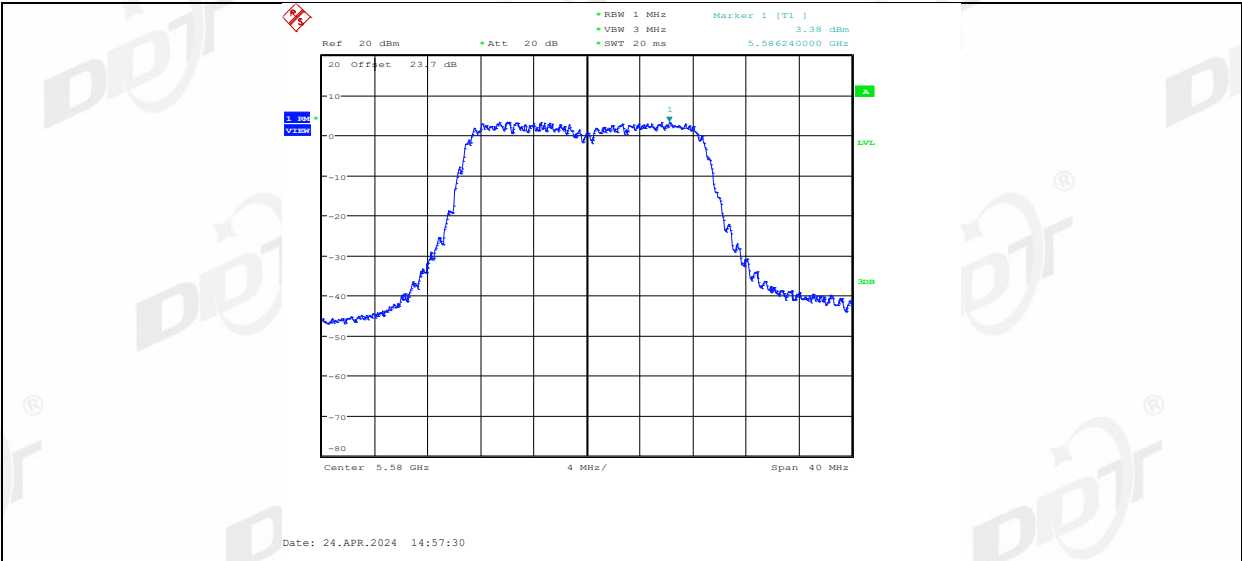
11N20SISO\_Ant1\_5320



11N20SISO\_Ant1\_5500



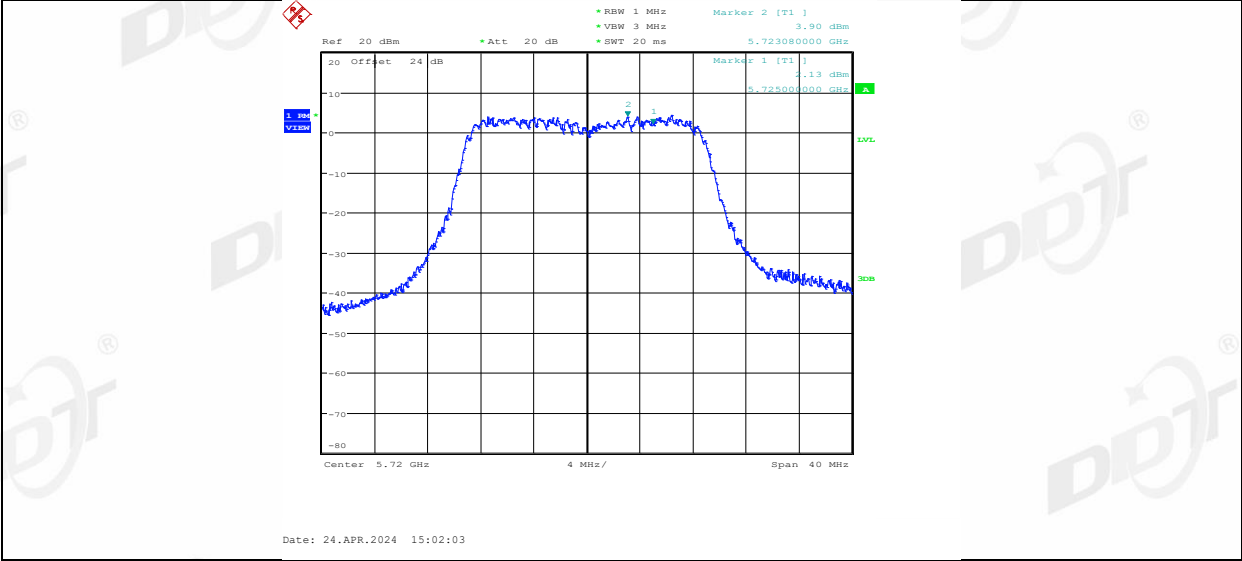
11N20SISO\_Ant1\_5580



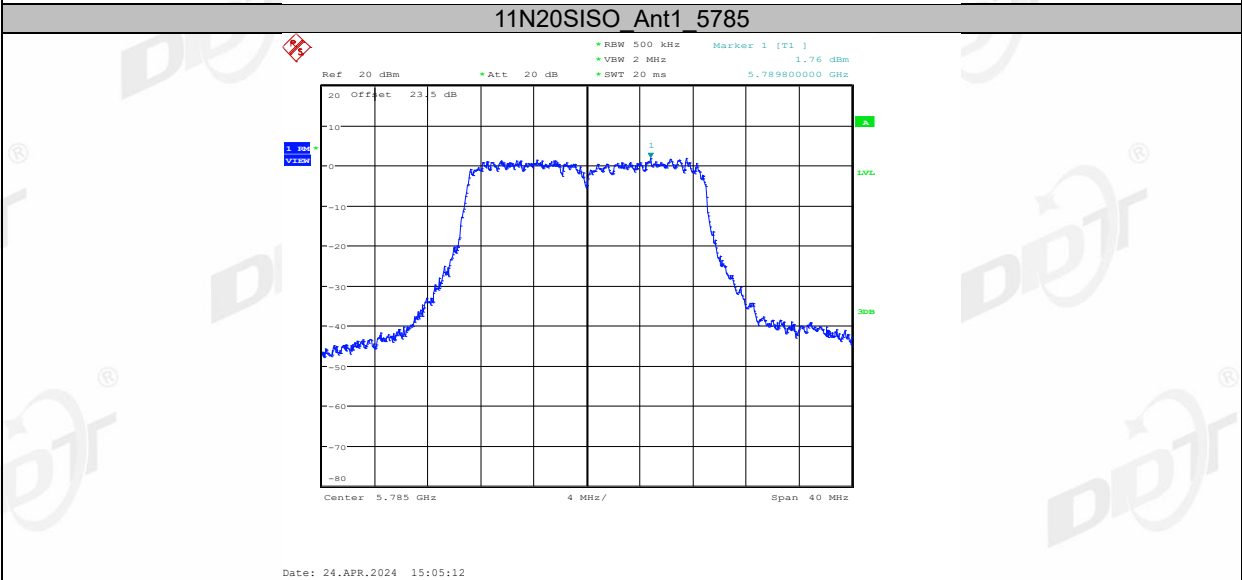
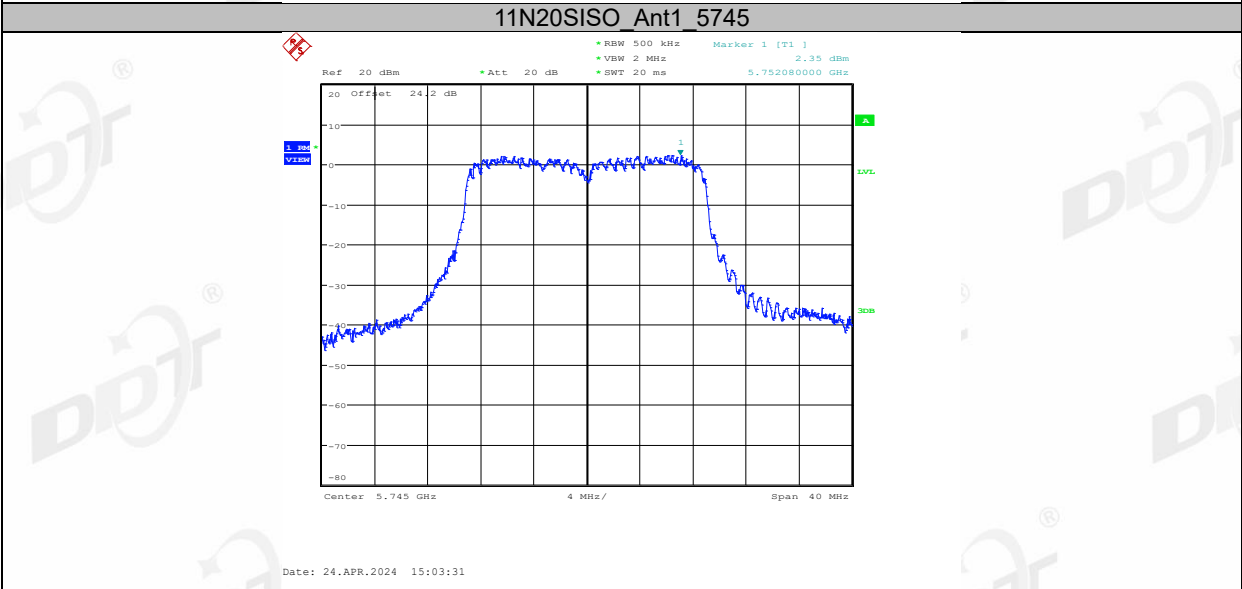
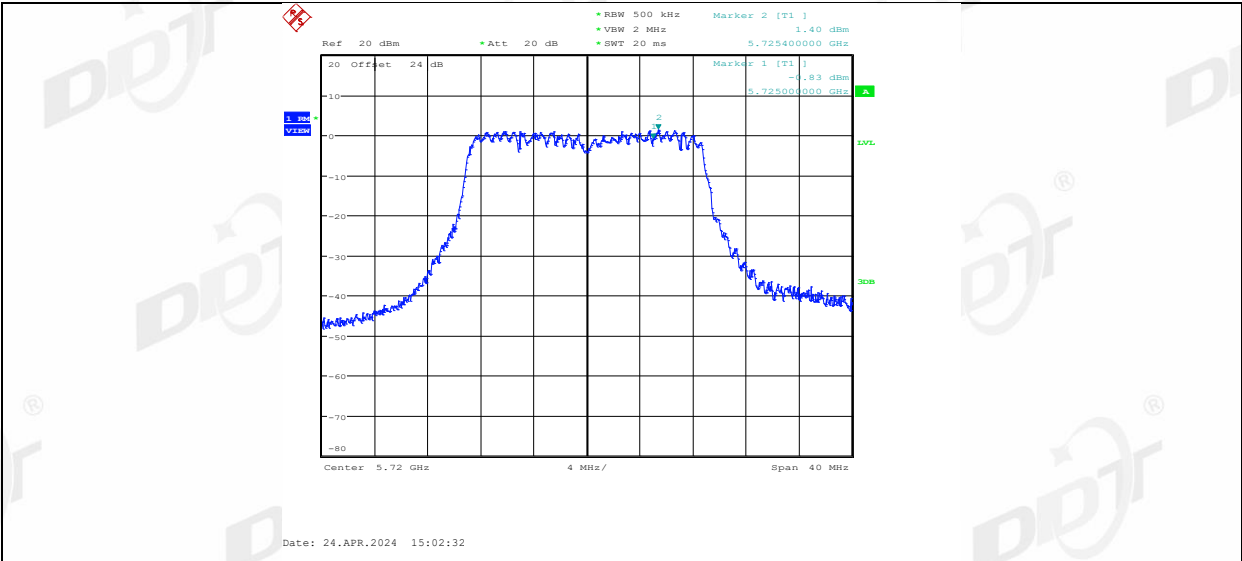
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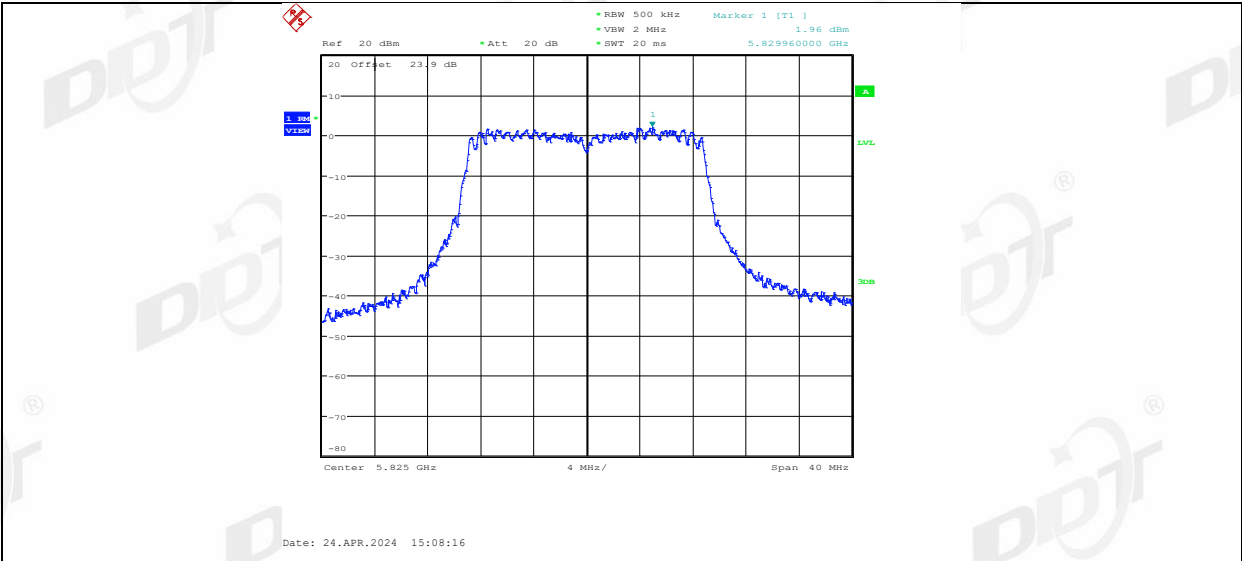
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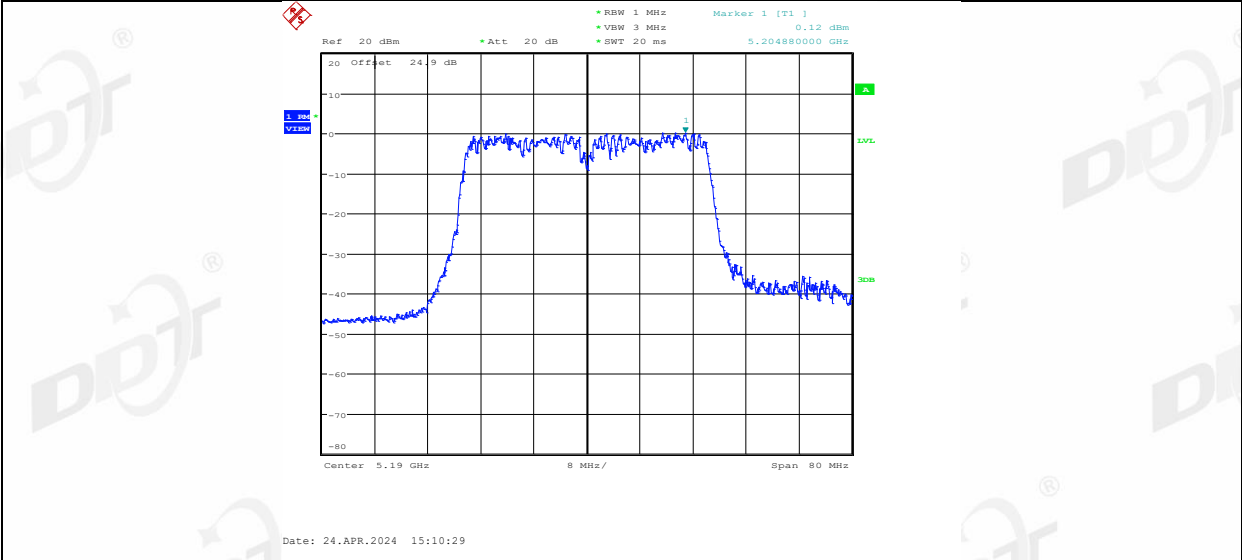
11N20SISO Ant1\_5720\_UNII-3



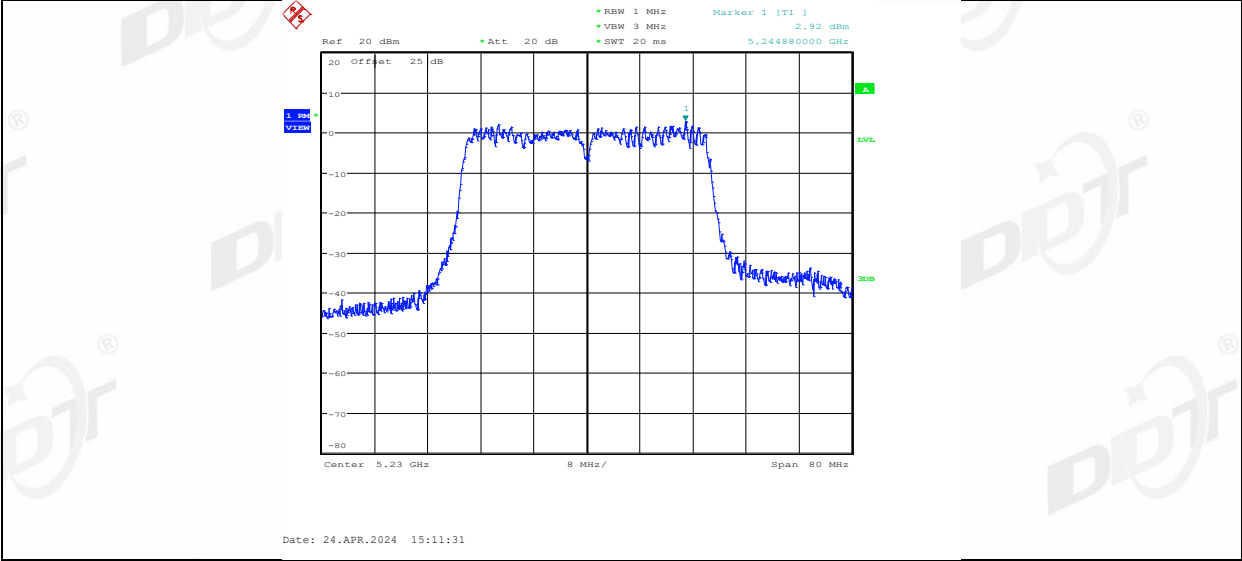
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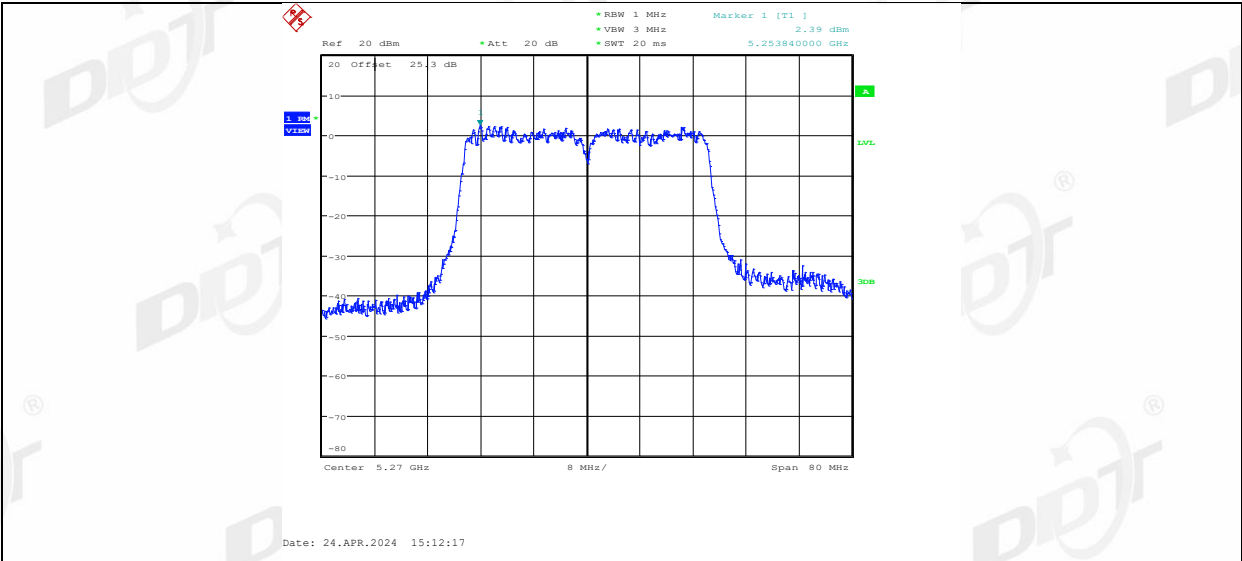
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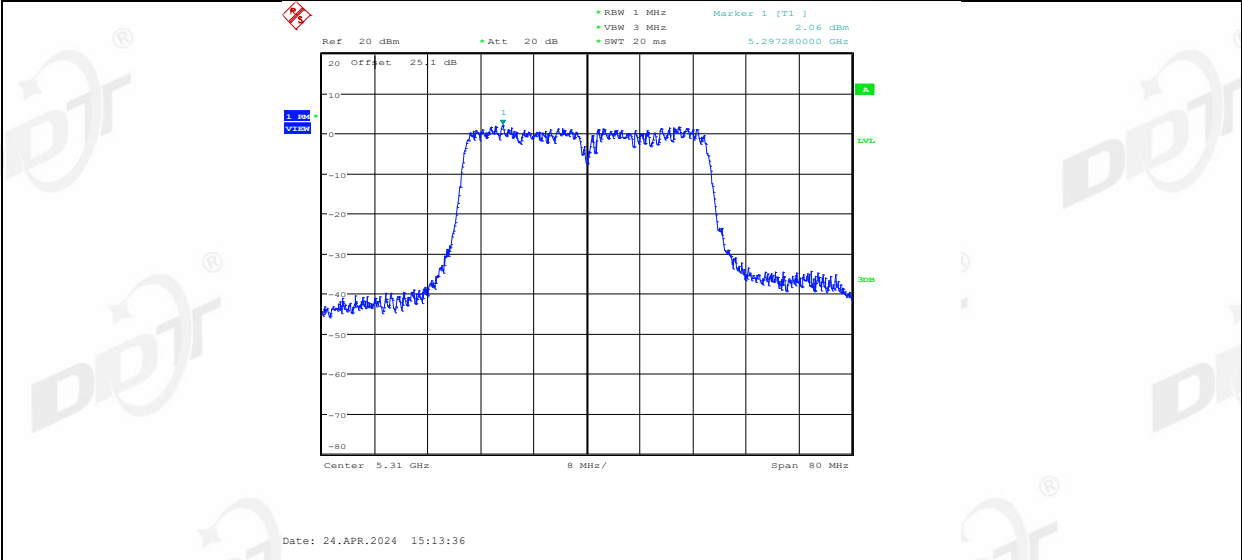
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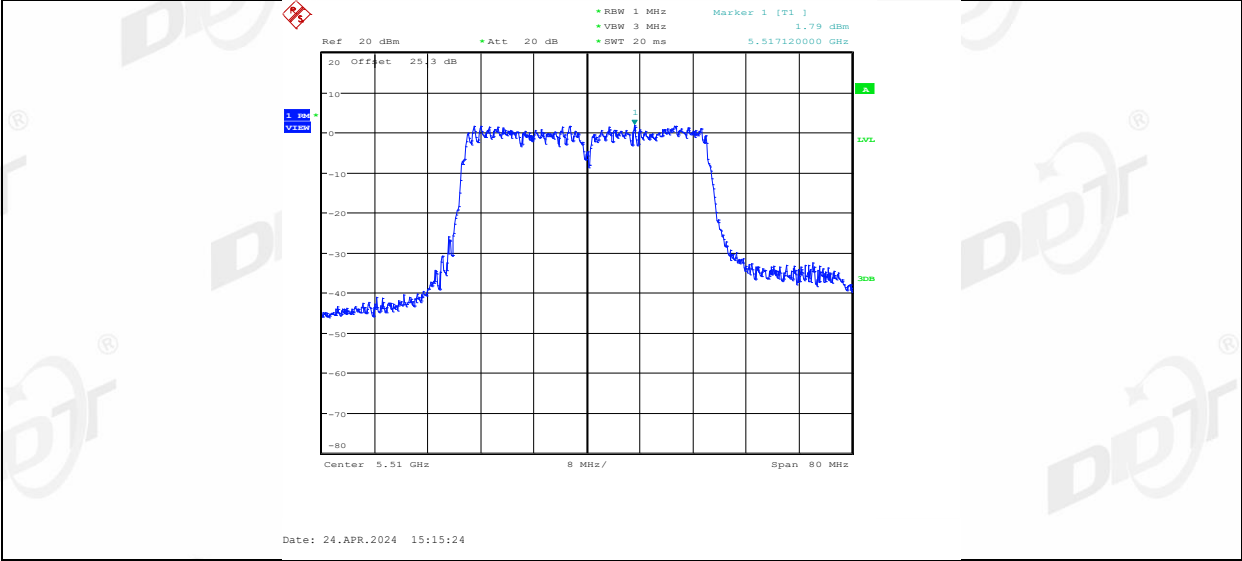
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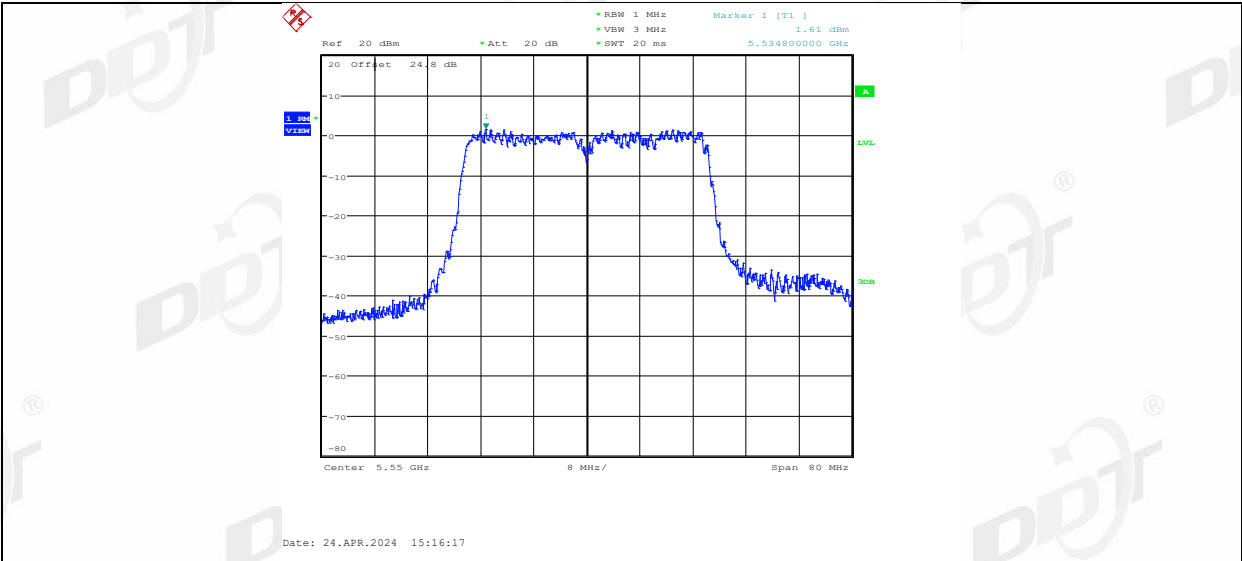
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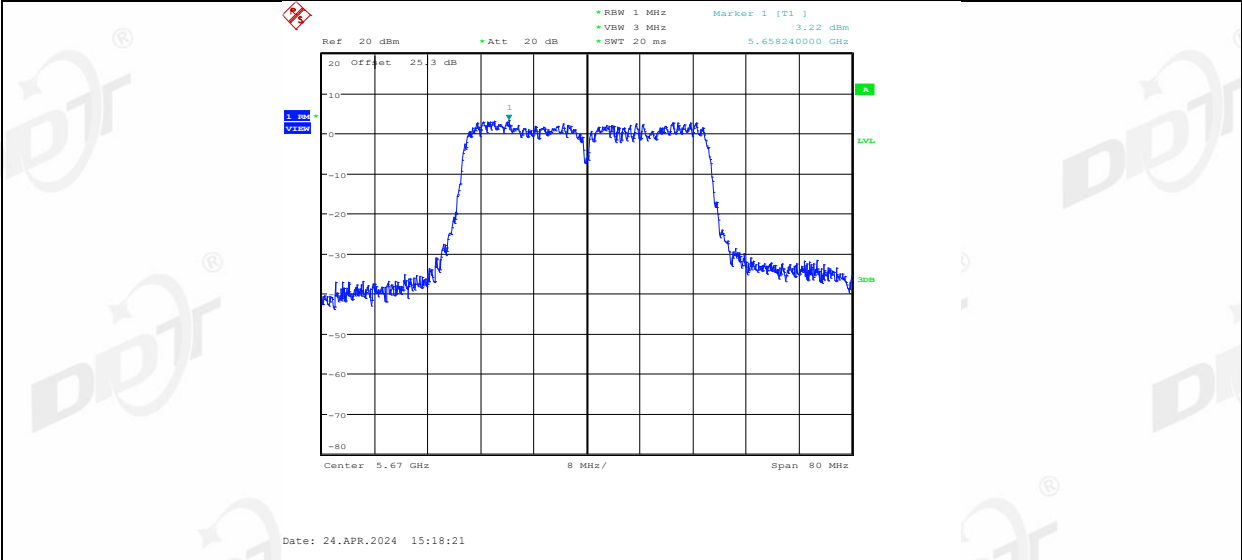
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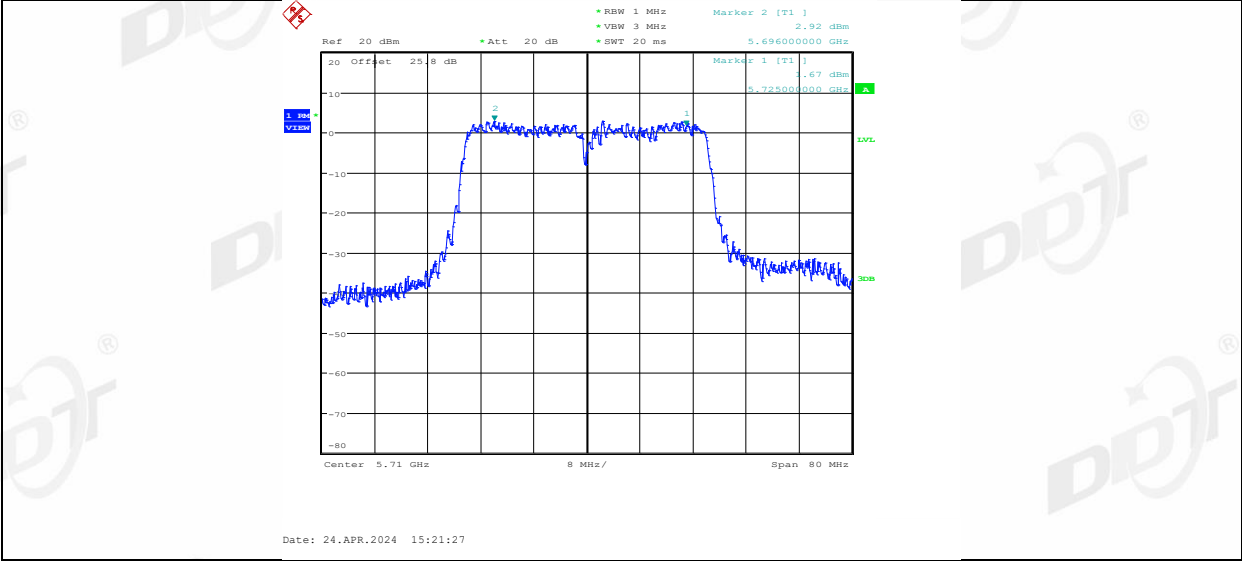
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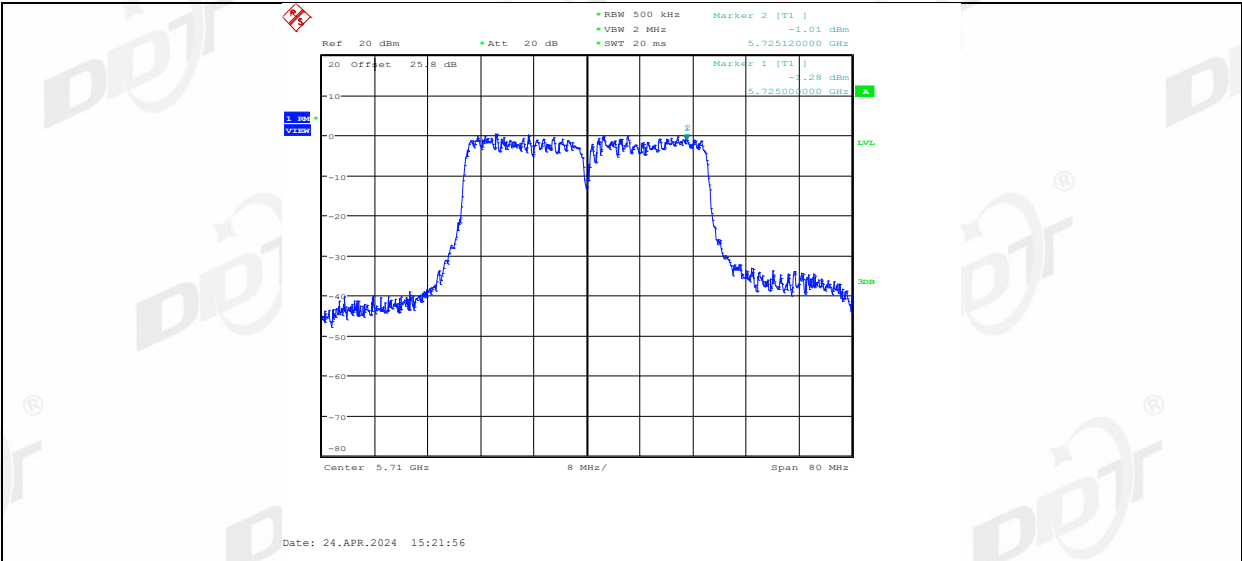
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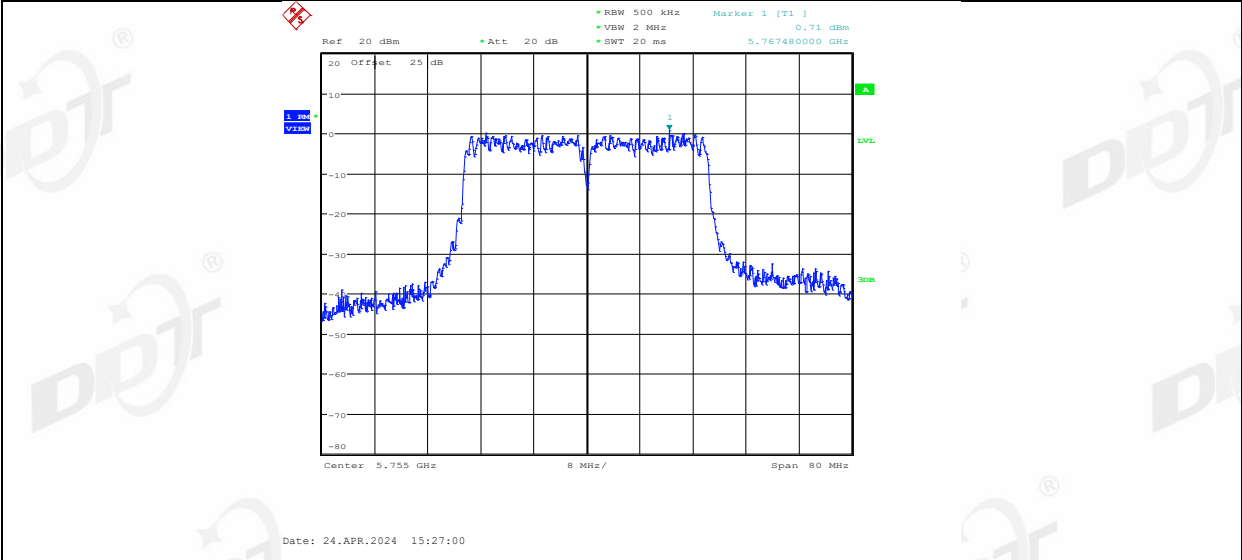
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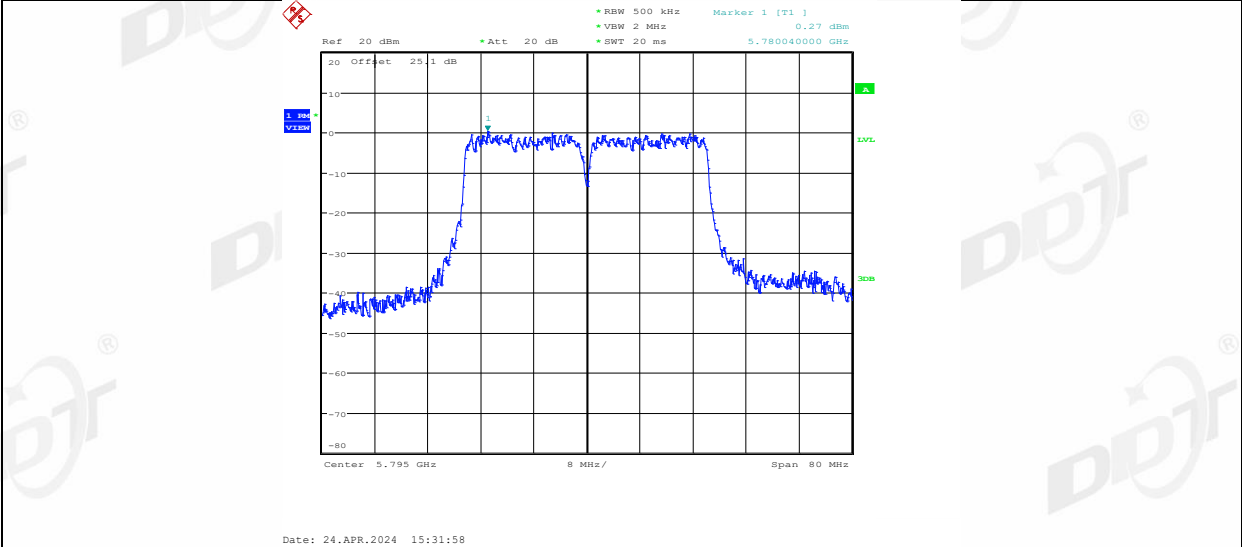
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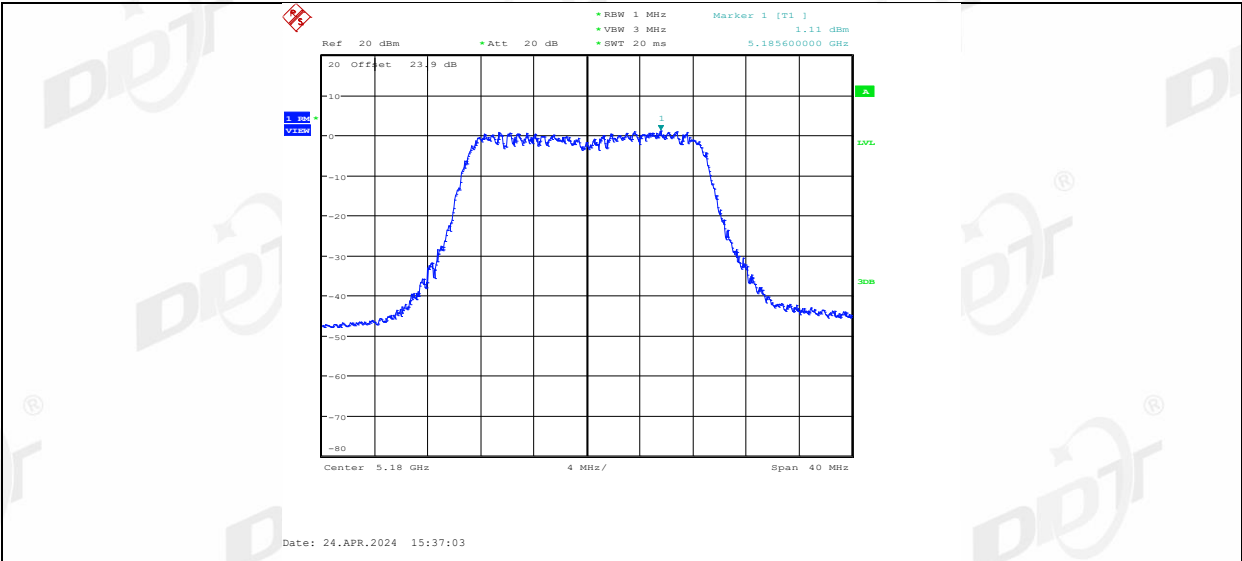
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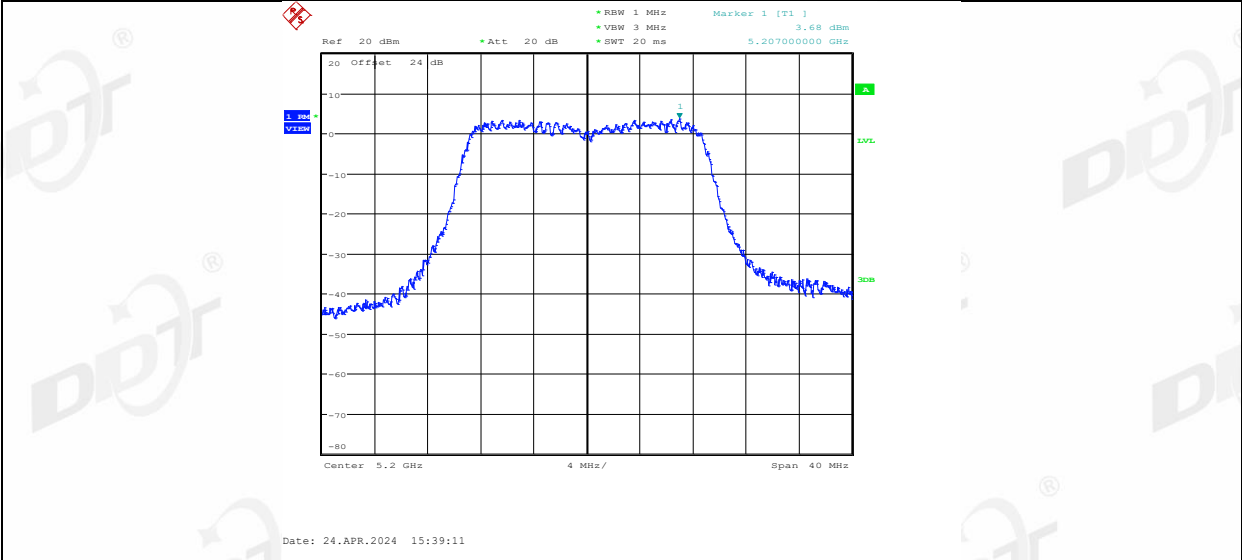
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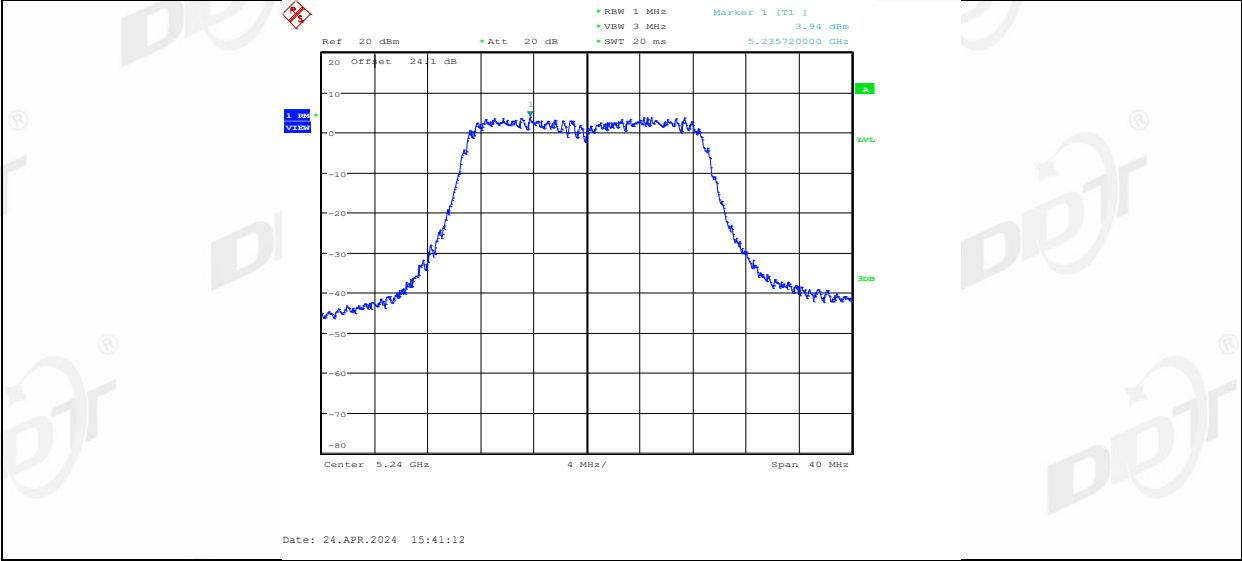
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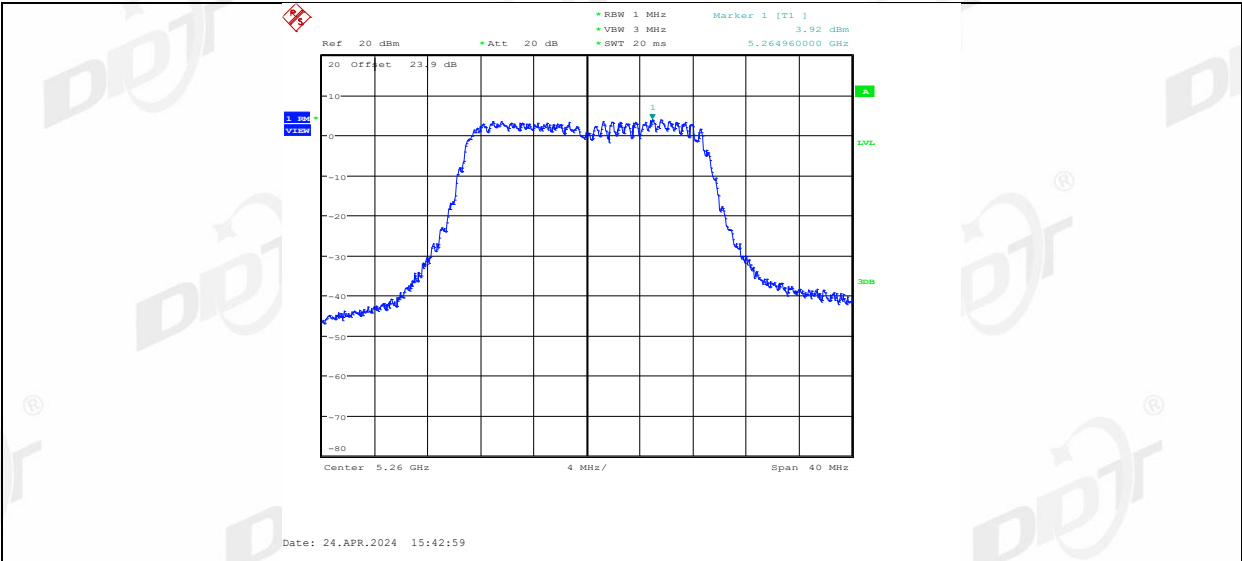
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11AC20SISO\_Ant1\_5240



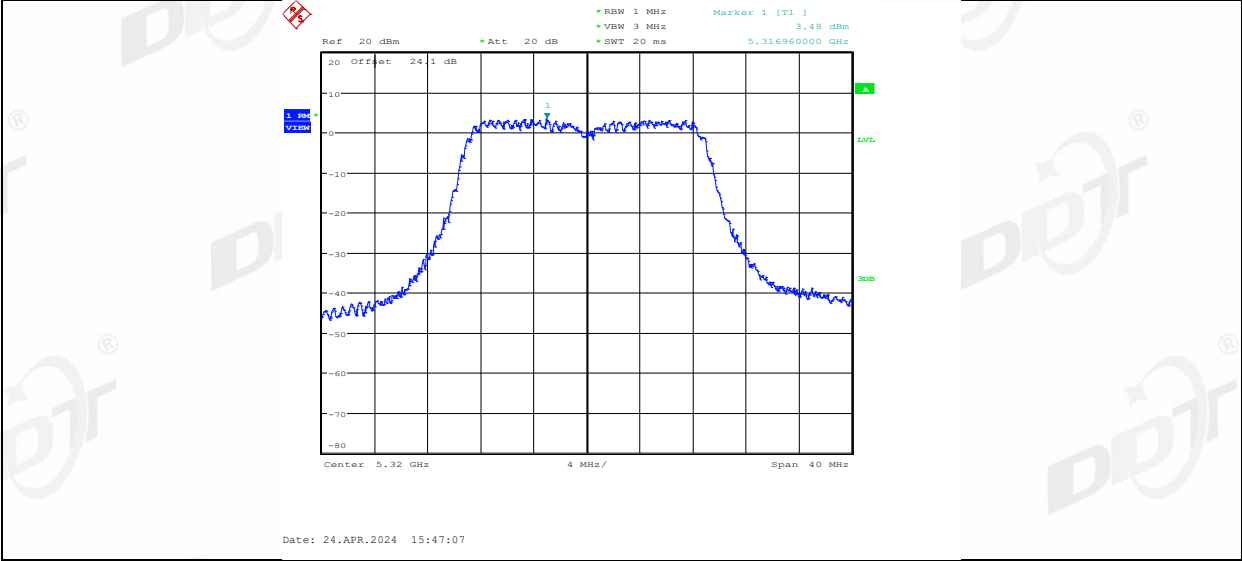
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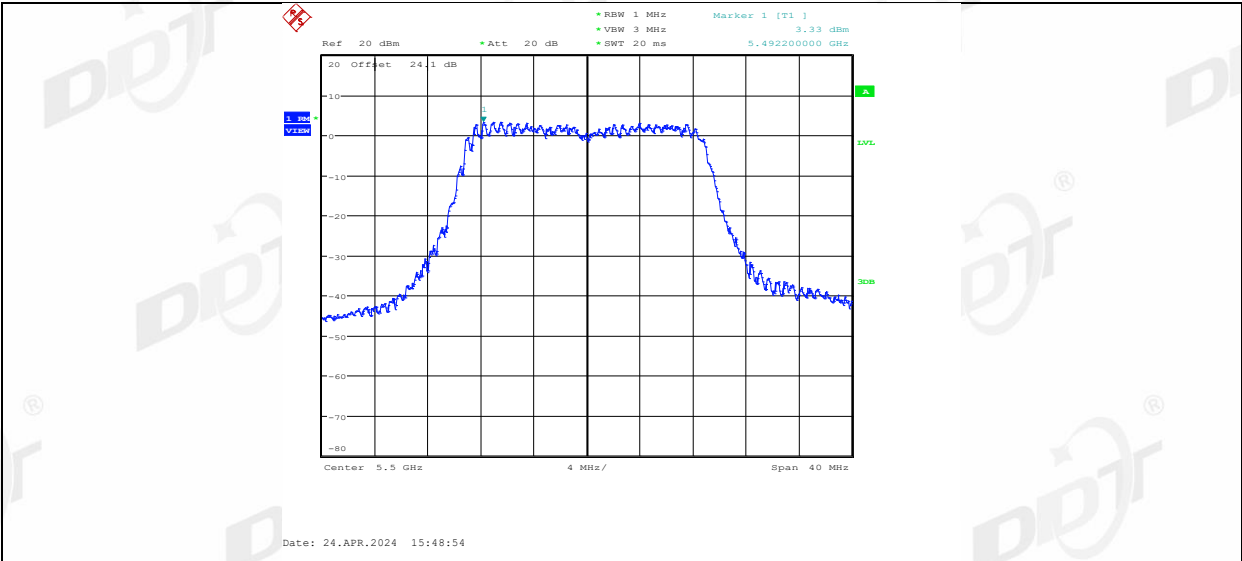
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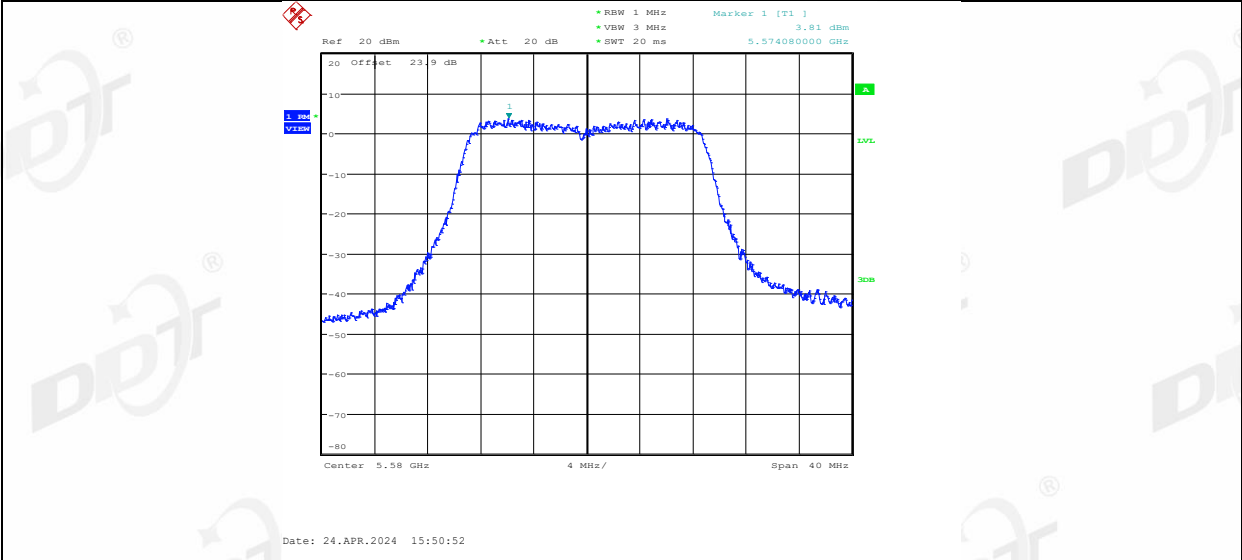
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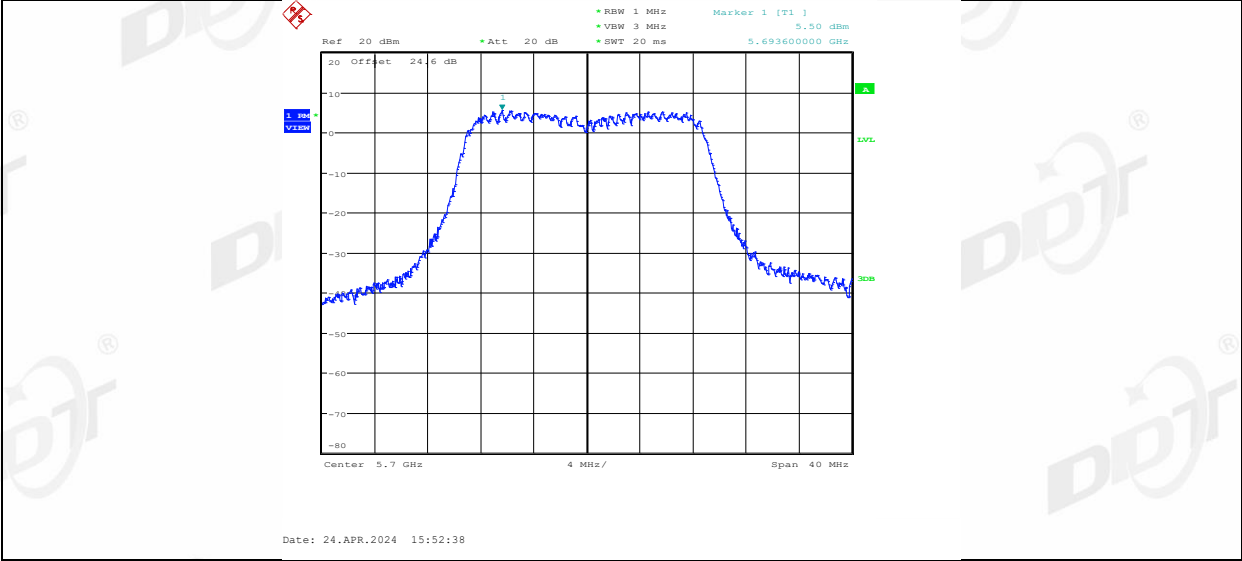
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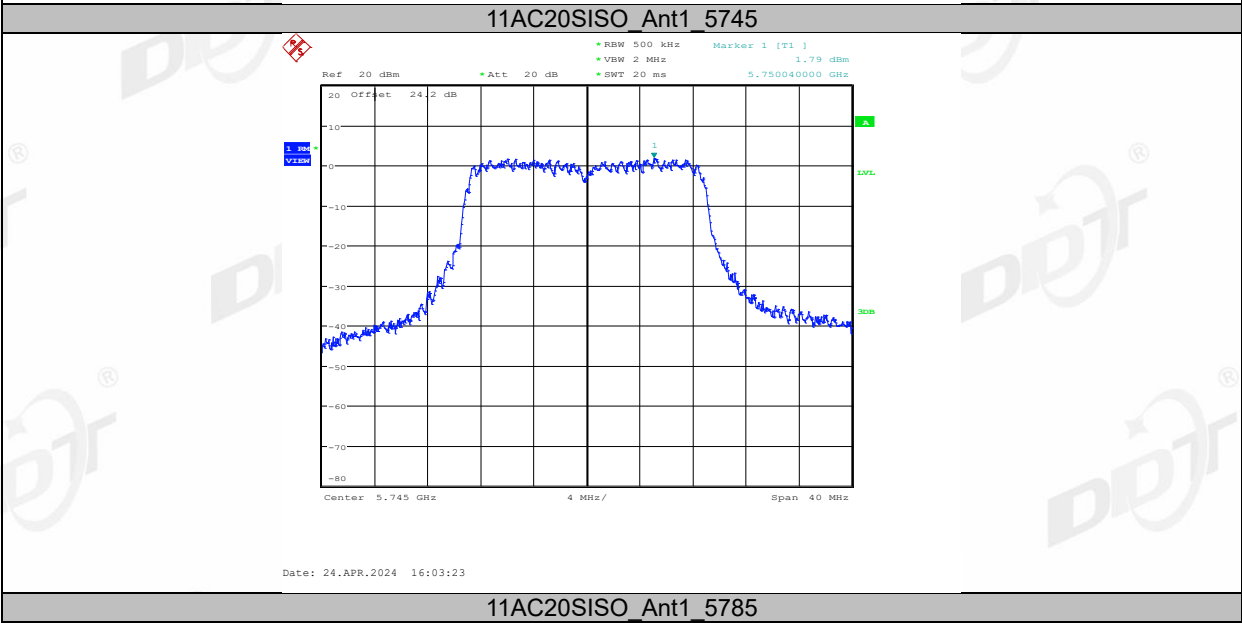
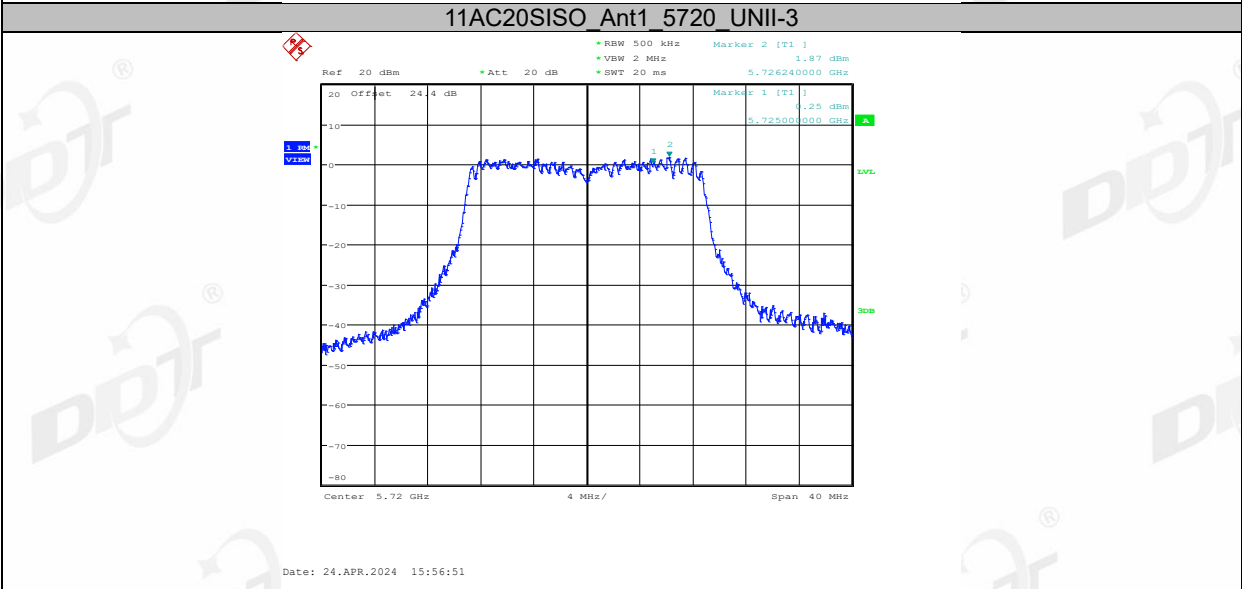
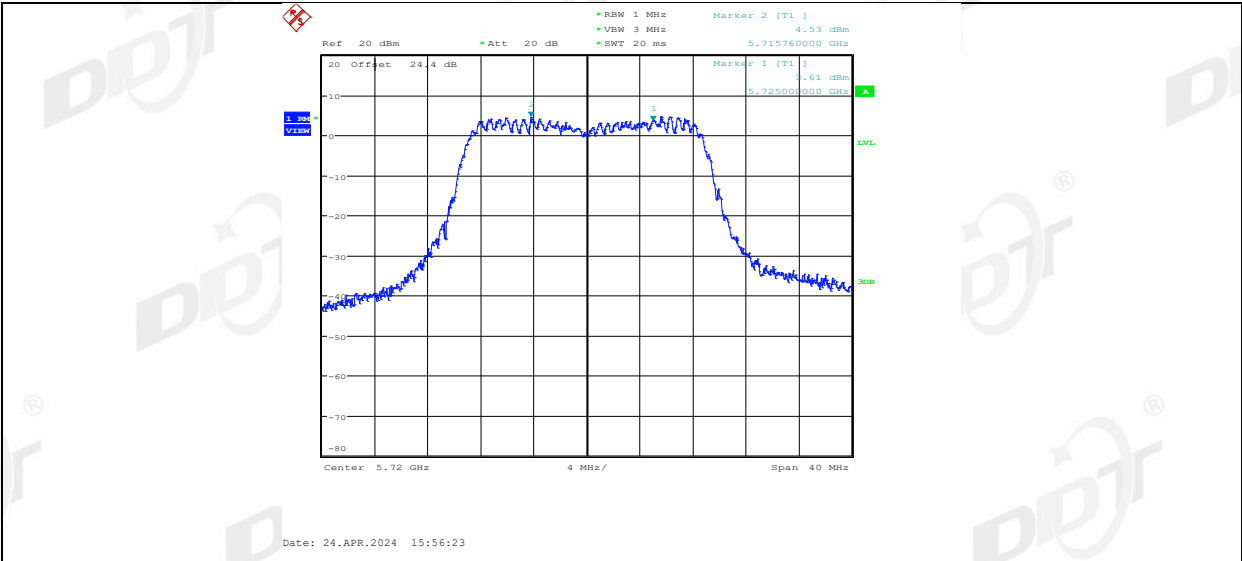
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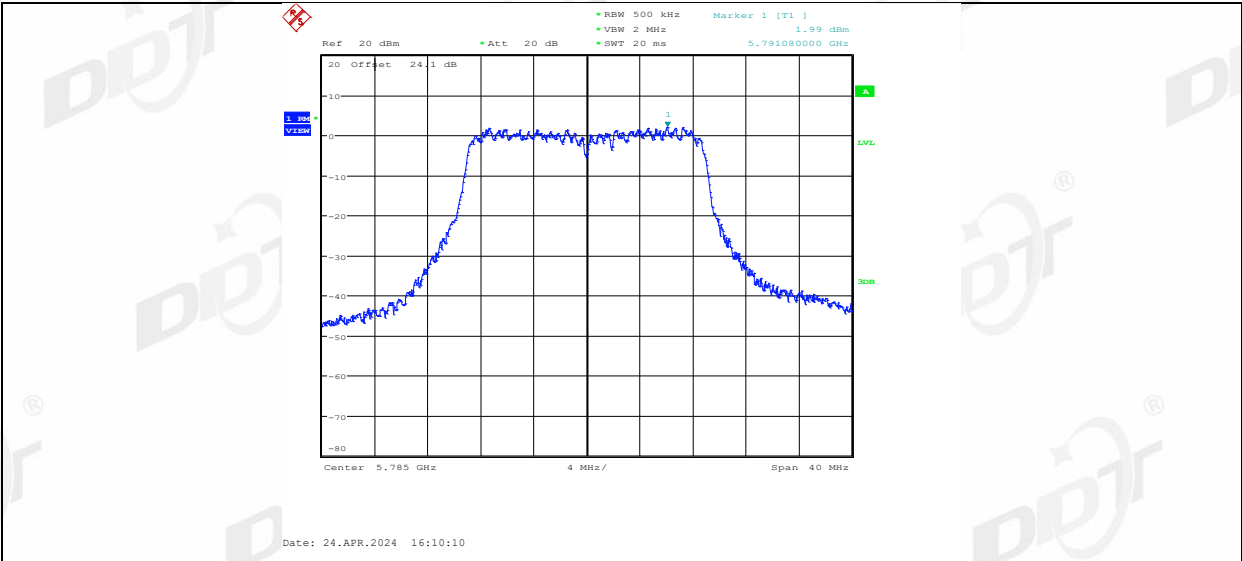


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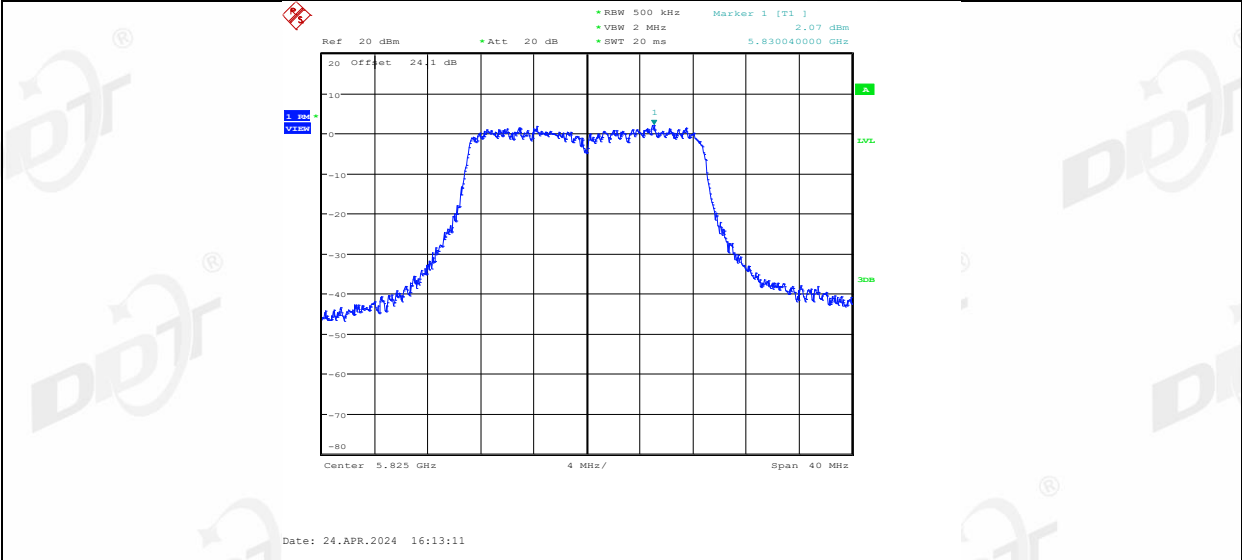


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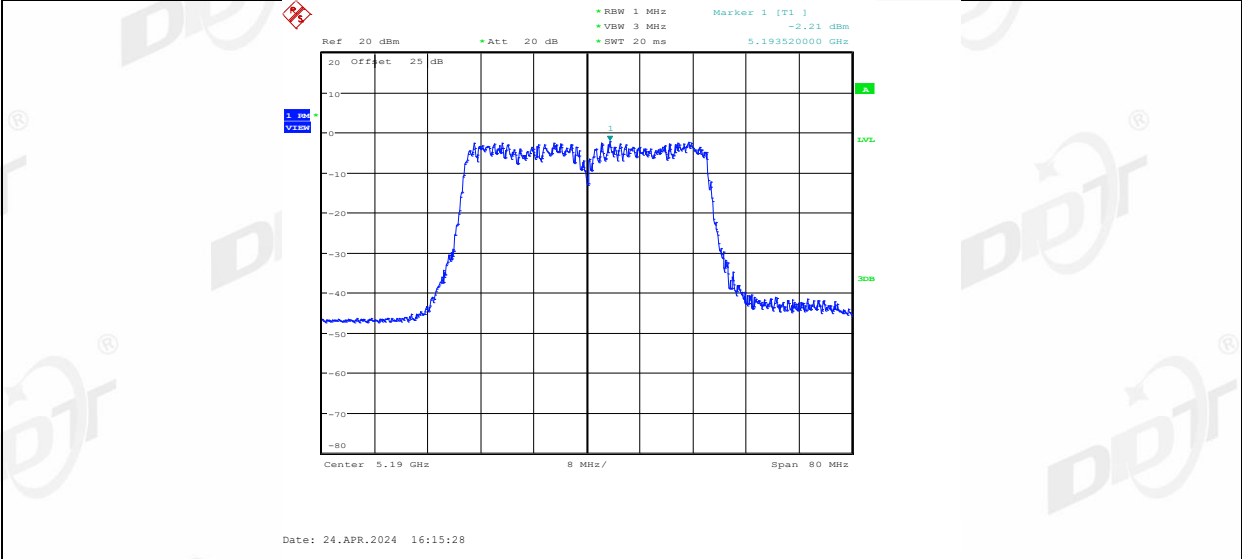




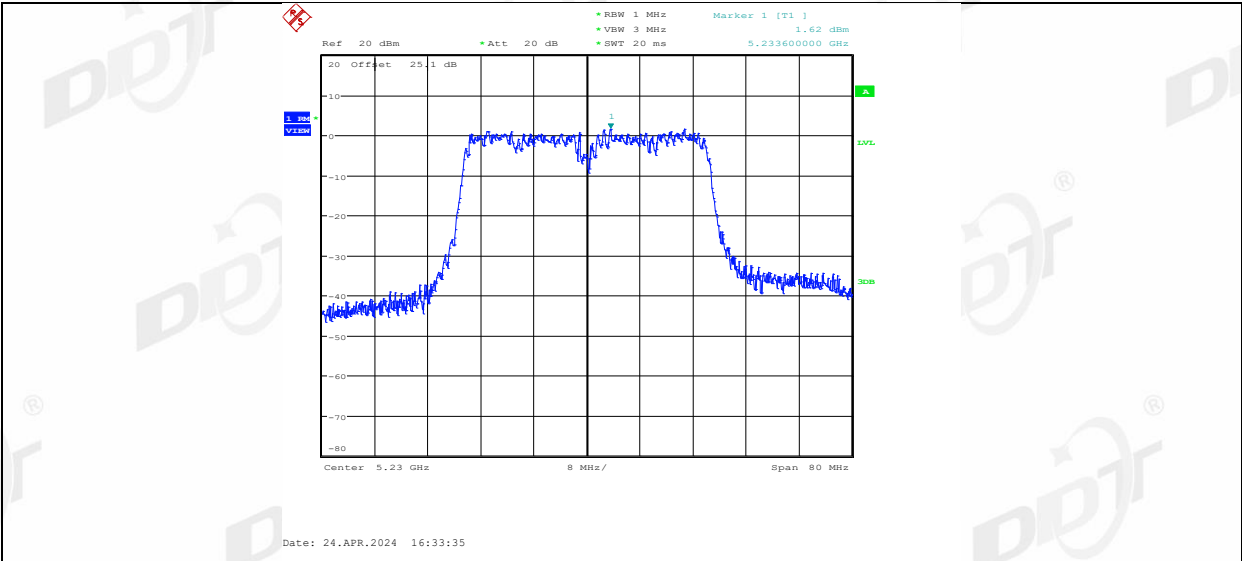
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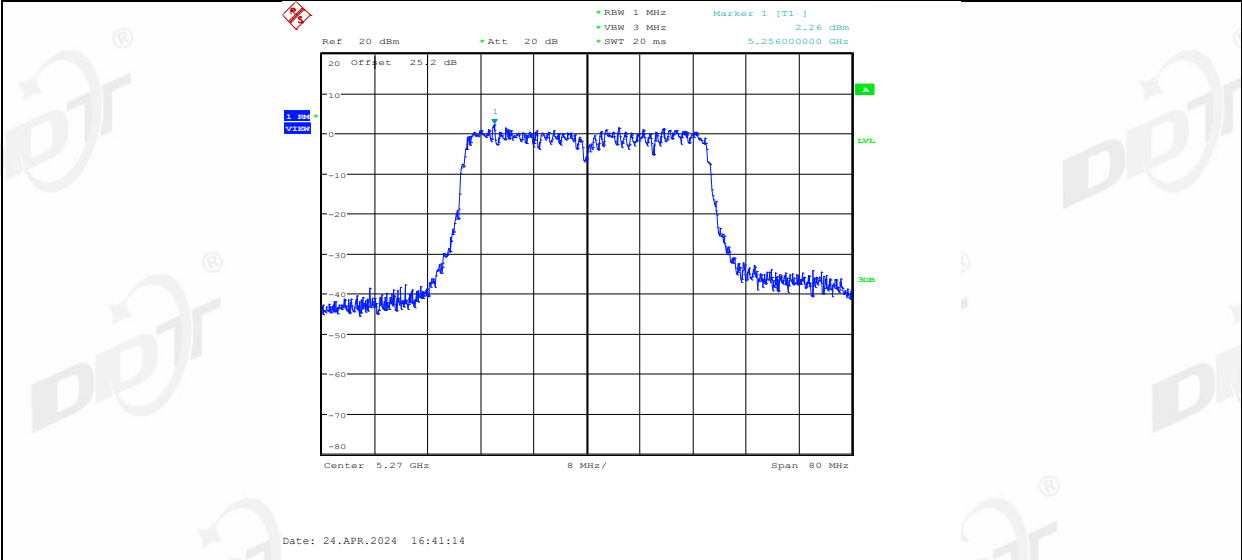
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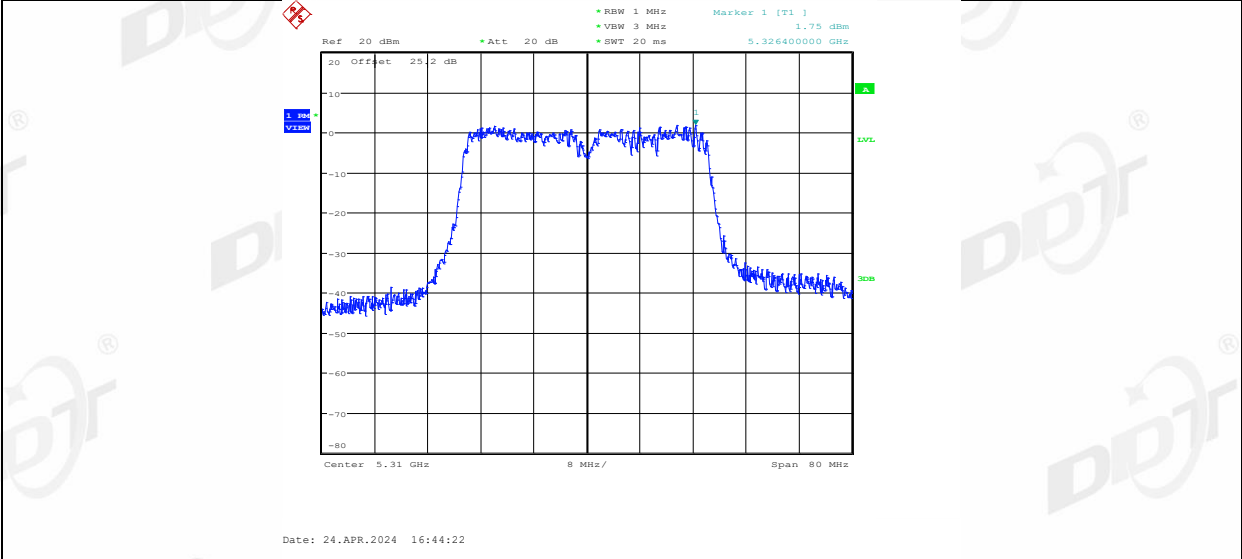
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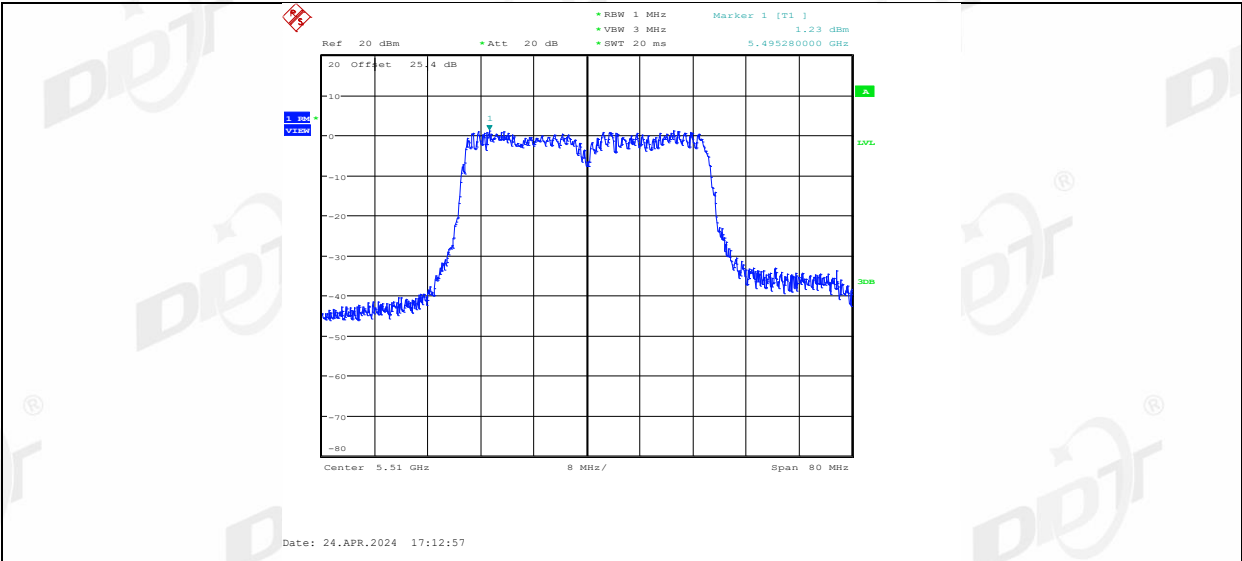
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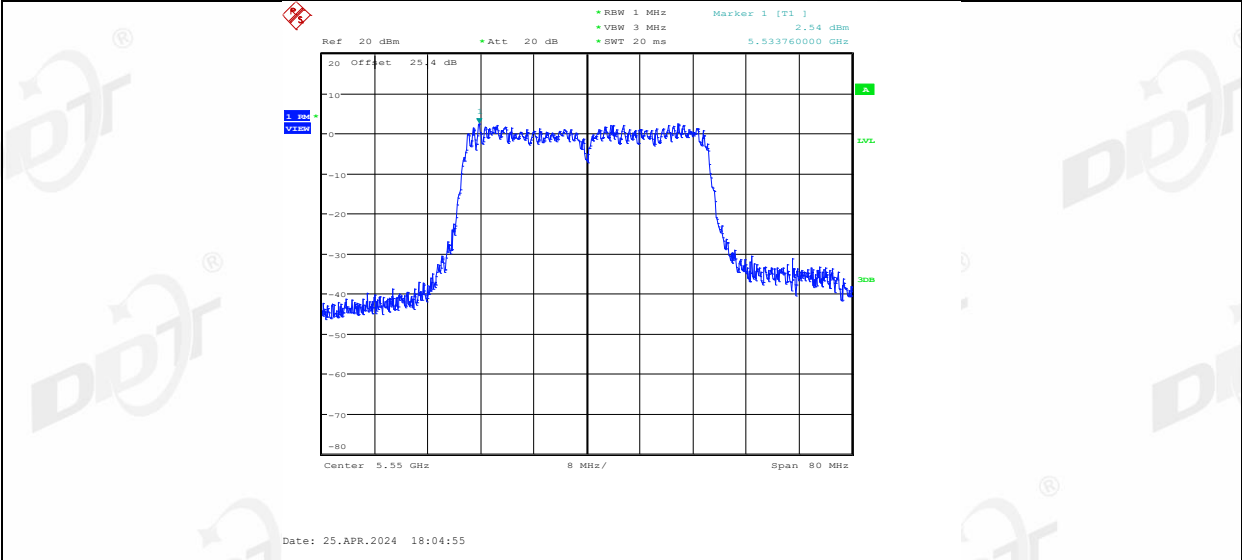
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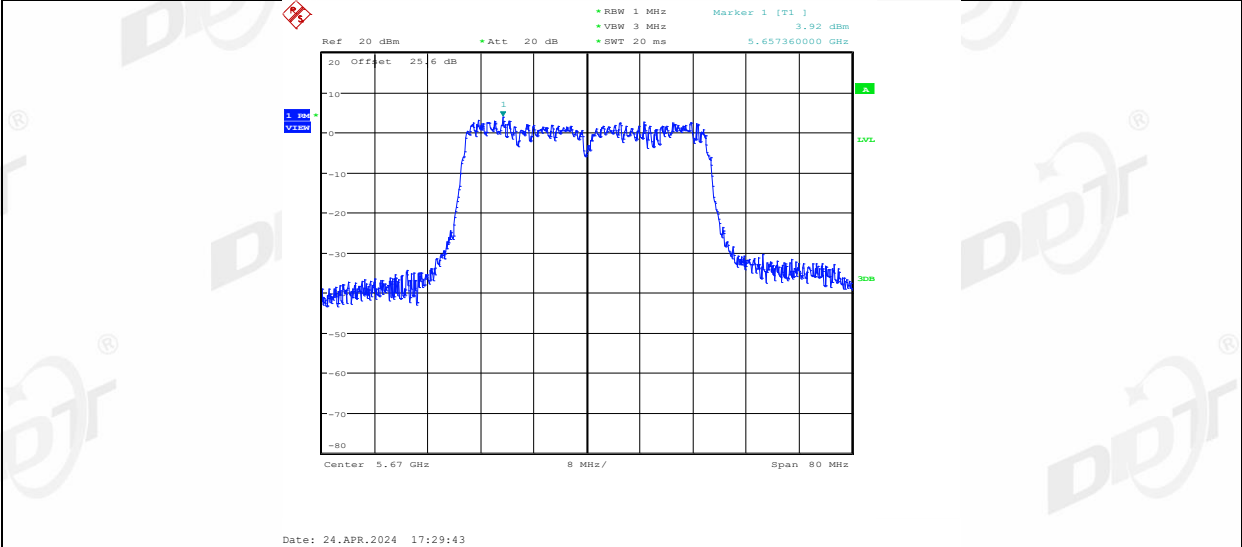
11AC40SISO\_Ant1\_5510



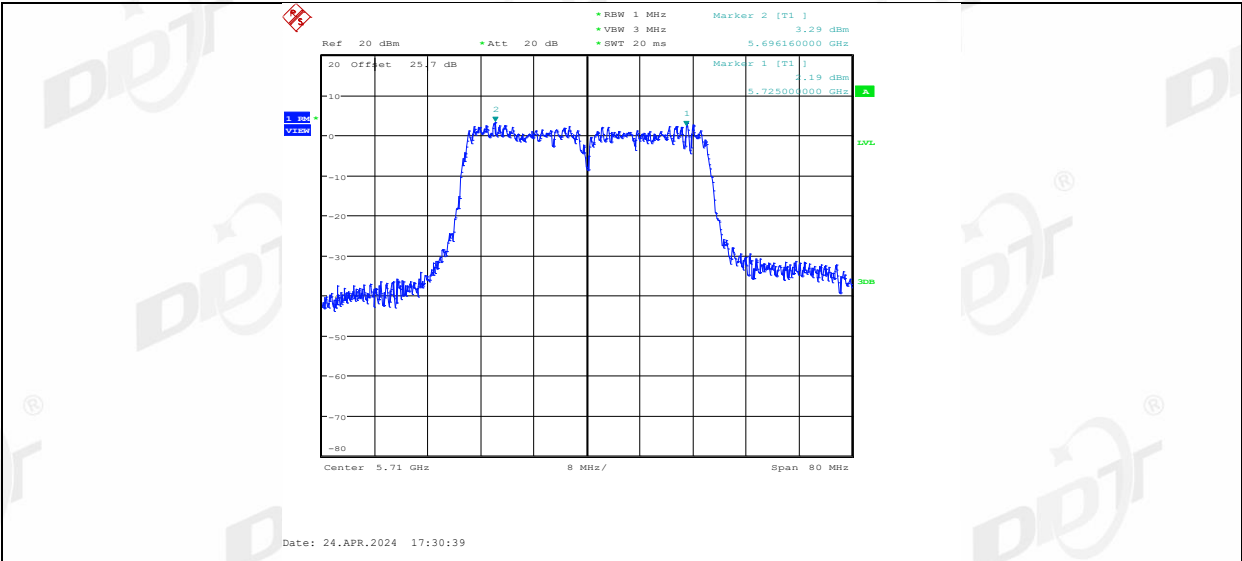
11AC40SISO\_Ant1\_5550



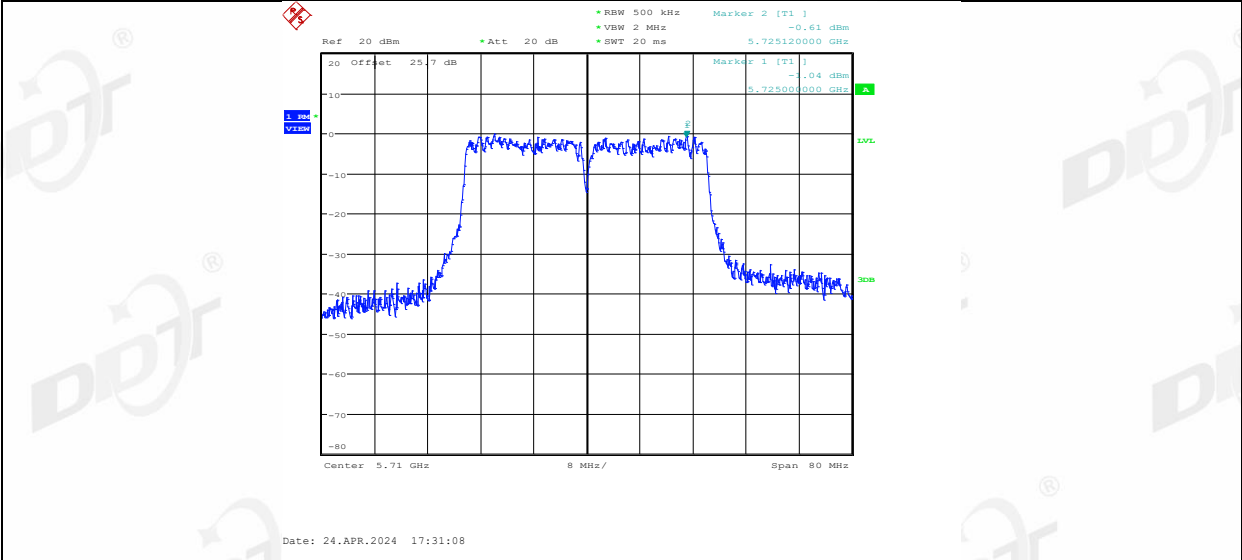
11AC40SISO\_Ant1\_5670



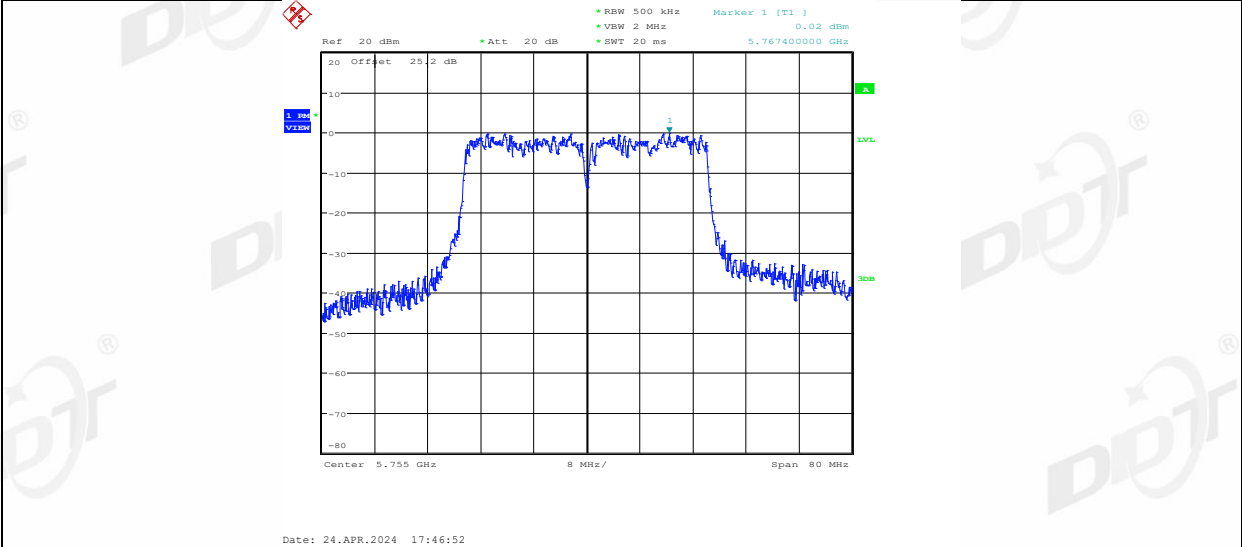
11AC40SISO\_Ant1\_5710\_UNII-2C



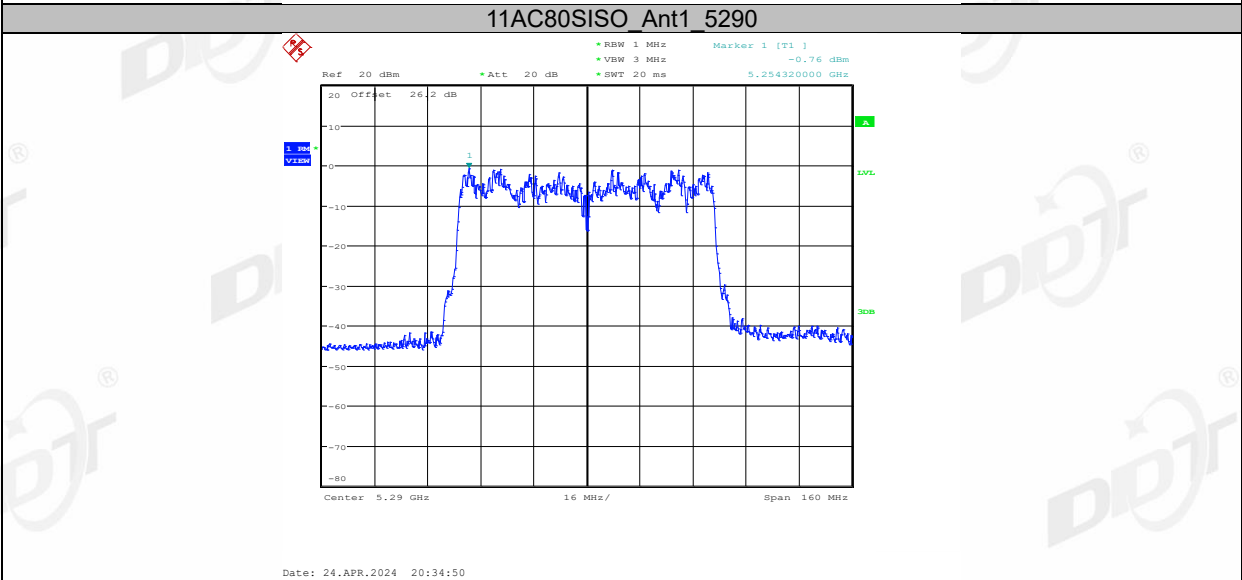
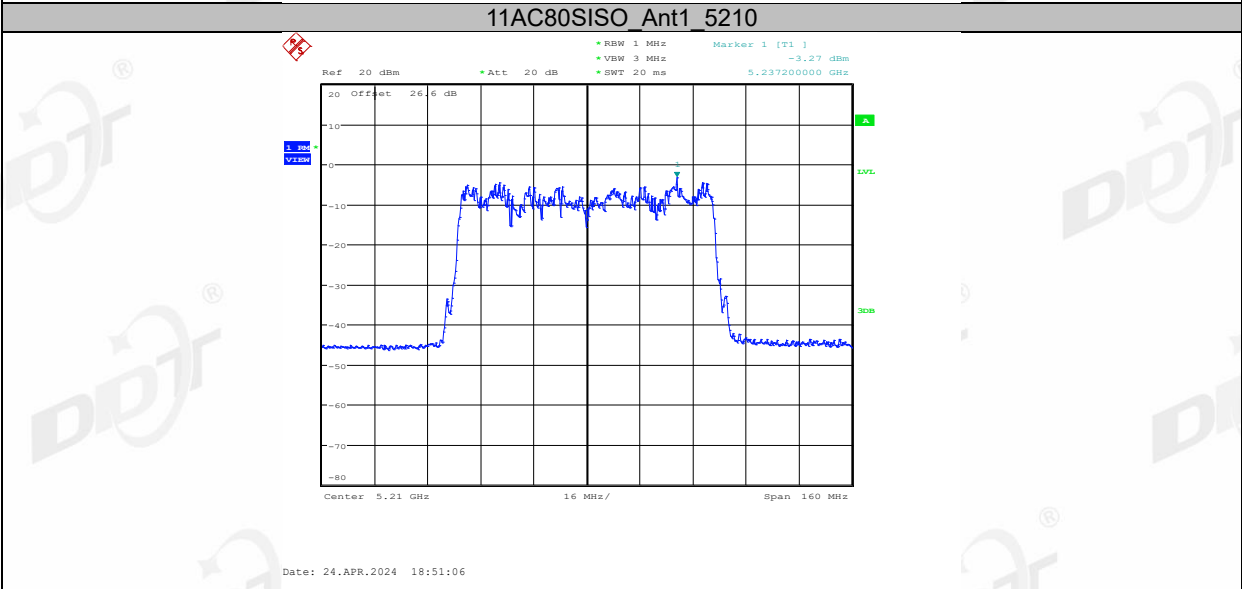
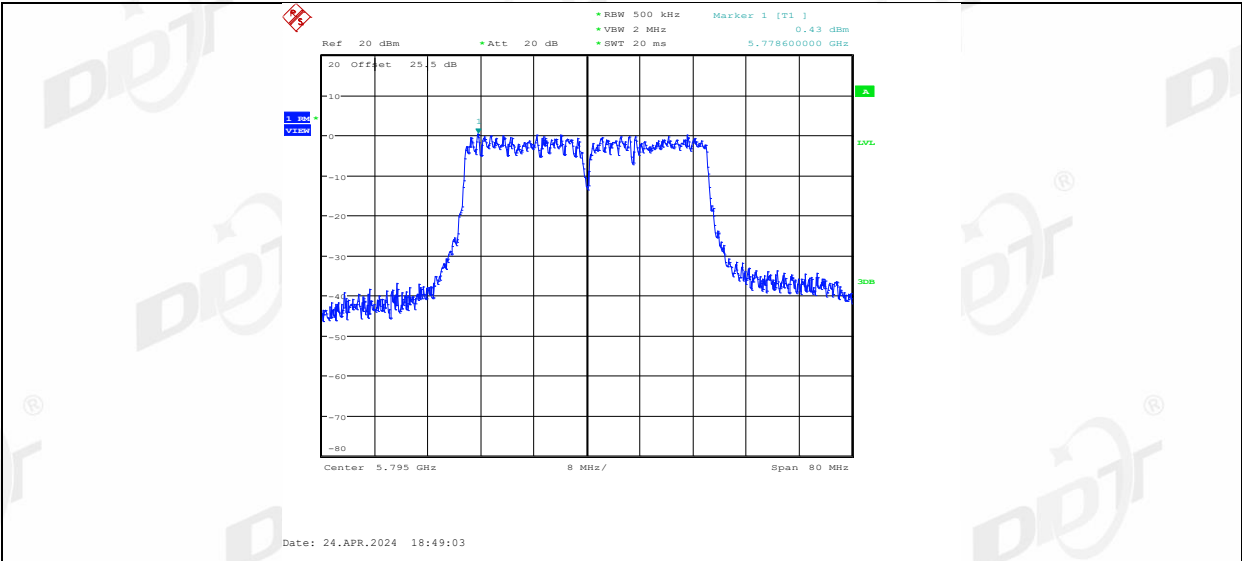
11AC40SISO\_Ant1\_5710\_UNII-3

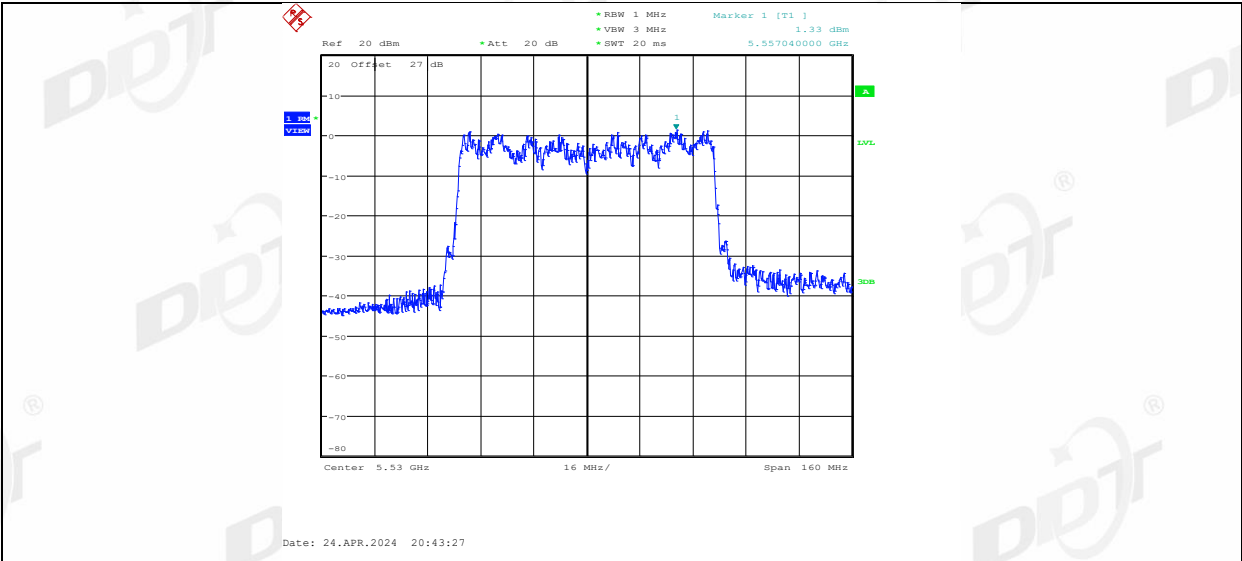


11AC40SISO\_Ant1\_5755

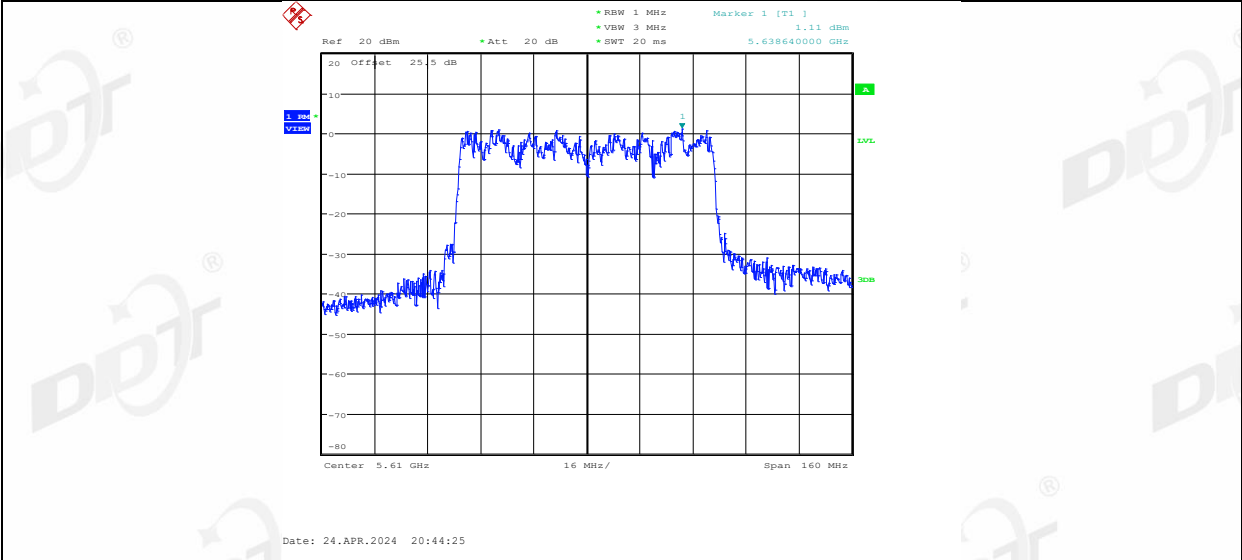


11AC40SISO\_Ant1\_5795

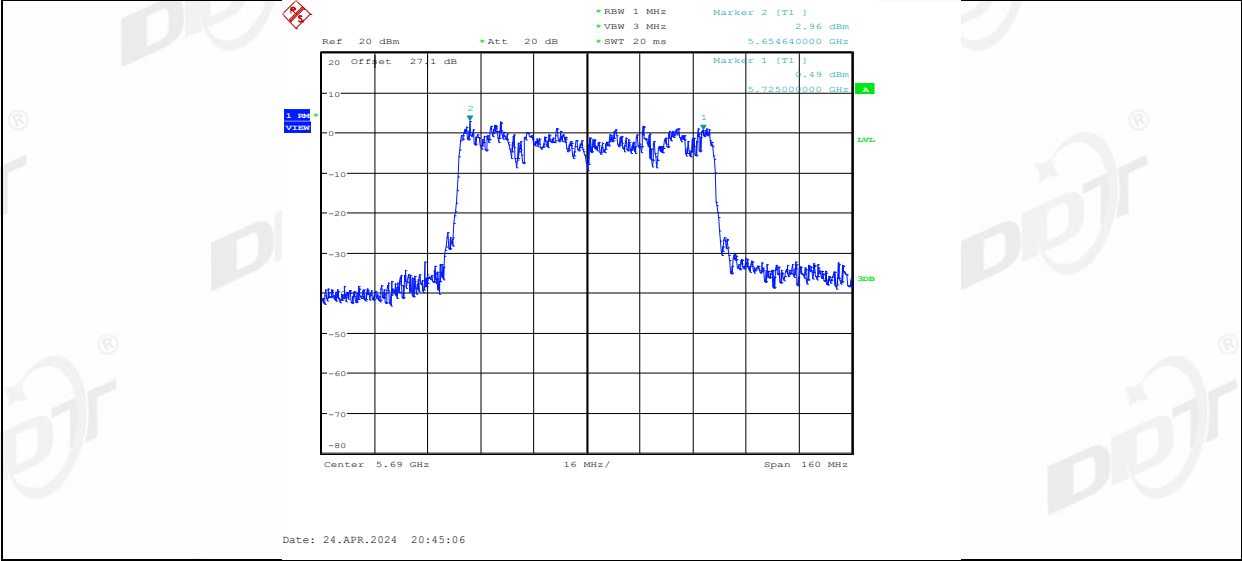




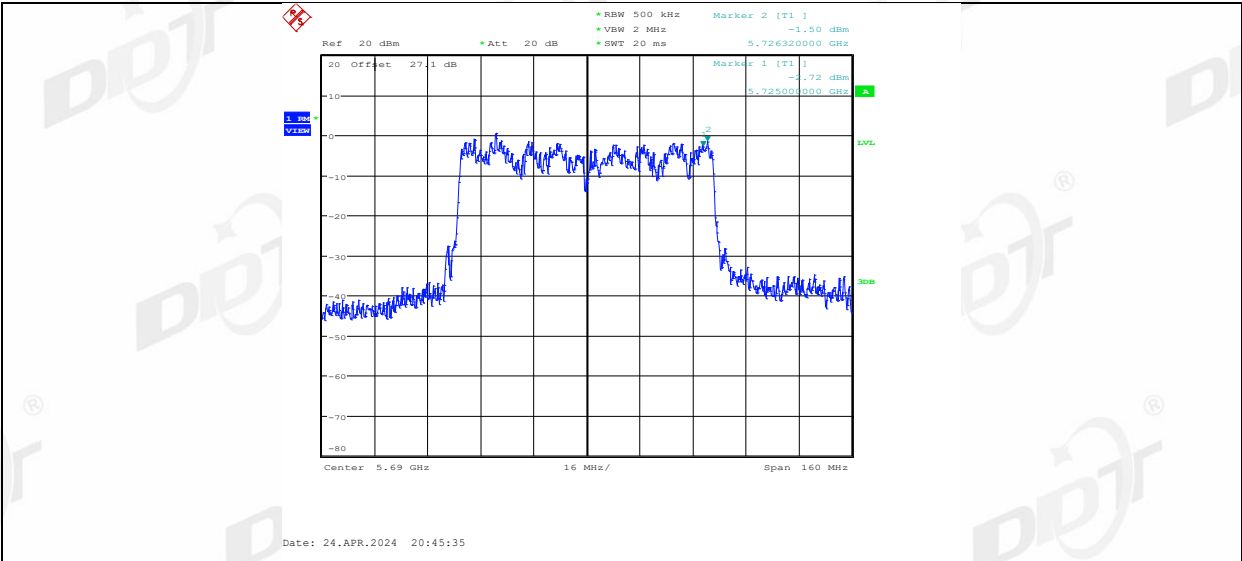
11AC80SISO\_Ant1\_5610



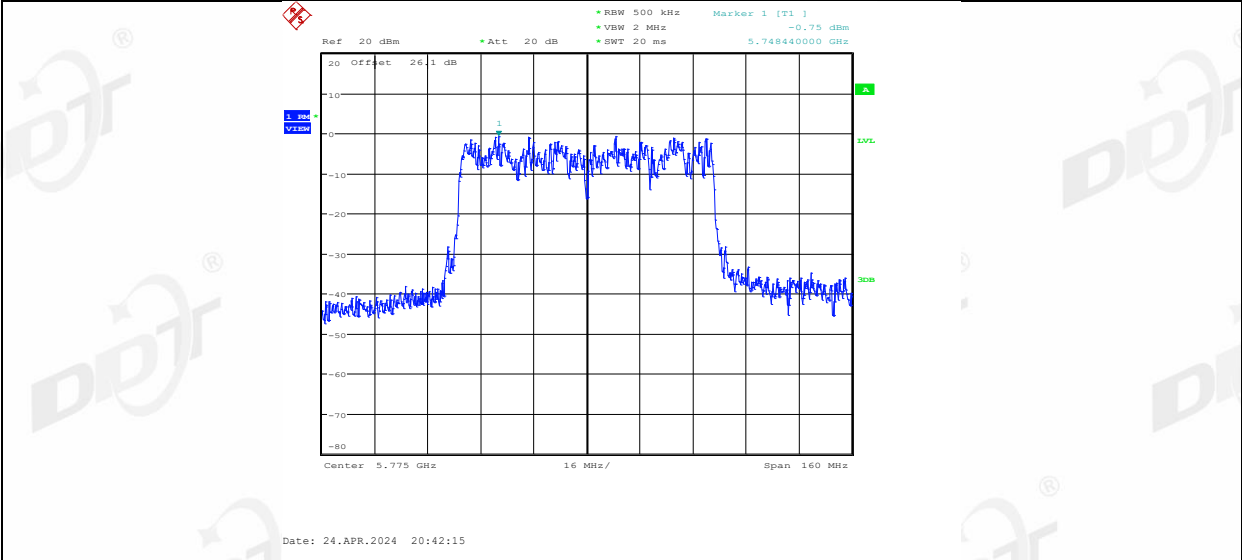
11AC80SISO\_Ant1\_5690\_UNII-2C



11AC80SISO\_Ant1\_5690\_UNII-3



11AC80SISO\_Ant1\_5775



## 10. Frequency Stability Measurement

### 10.1. Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user’s manual.

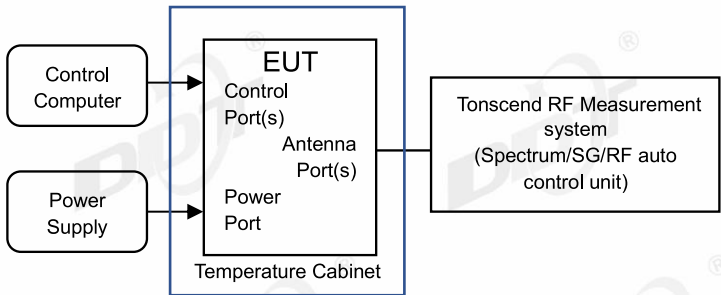
### 10.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 10.3. Test procedures

- (1) To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
- (2) The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10 dB lower than the measured peak value.
- (3) The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

### 10.4. Test setup



## 10.5. Test result

|                    |                             |                |                          |
|--------------------|-----------------------------|----------------|--------------------------|
| Test Engineer:     | Zora Zhang                  | Test Site:     | RF Measurement System 1# |
| Ambient Condition: | 25.3℃,60.6%RH               | Test Date:     | 2024.04.19-2024.04.28    |
| Test Power Supply: | DC 5V from external adapter | Sample Number: | S24021902-001            |

| Voltage   |         |                 |               |                 |                |                 |             |         |
|-----------|---------|-----------------|---------------|-----------------|----------------|-----------------|-------------|---------|
| Test Mode | Antenna | Frequency [MHz] | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A       | Ant1    | 5180            | NV            | NT              | -40000.00      | -7.722008       | 20          | PASS    |
|           |         |                 | LV            | NT              | -60000.00      | -11.583012      | 20          | PASS    |
|           |         |                 | HV            | NT              | -60000.00      | -11.583012      | 20          | PASS    |
|           |         | 5200            | NV            | NT              | -80000.00      | -15.384615      | 20          | PASS    |
|           |         |                 | LV            | NT              | -60000.00      | -11.538462      | 20          | PASS    |
|           |         |                 | HV            | NT              | -60000.00      | -11.538462      | 20          | PASS    |
|           |         | 5240            | NV            | NT              | -20000.00      | -3.816794       | 20          | PASS    |
|           |         |                 | LV            | NT              | -40000.00      | -7.633588       | 20          | PASS    |
|           |         |                 | HV            | NT              | -20000.00      | -3.816794       | 20          | PASS    |
|           |         | 5260            | NV            | NT              | -40000.00      | -7.604563       | 20          | PASS    |
|           |         |                 | LV            | NT              | -80000.00      | -15.209125      | 20          | PASS    |
|           |         |                 | HV            | NT              | -20000.00      | -3.802281       | 20          | PASS    |
|           |         | 5280            | NV            | NT              | -40000.00      | -7.575758       | 20          | PASS    |
|           |         |                 | LV            | NT              | -40000.00      | -7.575758       | 20          | PASS    |
|           |         |                 | HV            | NT              | -60000.00      | -11.363636      | 20          | PASS    |
|           |         | 5320            | NV            | NT              | -40000.00      | -7.518797       | 20          | PASS    |
|           |         |                 | LV            | NT              | -40000.00      | -7.518797       | 20          | PASS    |
|           |         |                 | HV            | NT              | -40000.00      | -7.518797       | 20          | PASS    |
|           |         | 5500            | NV            | NT              | -40000.00      | -7.272727       | 20          | PASS    |
|           |         |                 | LV            | NT              | -40000.00      | -7.272727       | 20          | PASS    |
|           |         |                 | HV            | NT              | -40000.00      | -7.272727       | 20          | PASS    |
|           |         | 5580            | NV            | NT              | -40000.00      | -7.168459       | 20          | PASS    |
|           |         |                 | LV            | NT              | -60000.00      | -10.752688      | 20          | PASS    |
|           |         |                 | HV            | NT              | -60000.00      | -10.752688      | 20          | PASS    |
|           |         | 5700            | NV            | NT              | -80000.00      | -14.035088      | 20          | PASS    |
|           |         |                 | LV            | NT              | -80000.00      | -14.035088      | 20          | PASS    |
|           |         |                 | HV            | NT              | -60000.00      | -10.526316      | 20          | PASS    |
|           |         | 5720            | NV            | NT              | -80000.00      | -13.986014      | 20          | PASS    |
|           |         |                 | LV            | NT              | -80000.00      | -13.986014      | 20          | PASS    |
|           |         |                 | HV            | NT              | -80000.00      | -13.986014      | 20          | PASS    |
|           |         | 5745            | NV            | NT              | -60000.00      | -10.443864      | 20          | PASS    |
|           |         |                 | LV            | NT              | -60000.00      | -10.443864      | 20          | PASS    |
|           |         |                 | HV            | NT              | -60000.00      | -10.443864      | 20          | PASS    |
|           |         | 5785            | NV            | NT              | -60000.00      | -10.371651      | 20          | PASS    |
|           |         |                 | LV            | NT              | -60000.00      | -10.371651      | 20          | PASS    |
|           |         |                 | HV            | NT              | -60000.00      | -10.371651      | 20          | PASS    |
|           |         | 5825            | NV            | NT              | -60000.00      | -10.300429      | 20          | PASS    |
|           |         |                 | LV            | NT              | -80000.00      | -13.733906      | 20          | PASS    |
|           |         |                 | HV            | NT              | -80000.00      | -13.733906      | 20          | PASS    |
| 11N40SISO | Ant1    | 5190            | NV            | NT              | 0.00           | 0.000000        | 20          | PASS    |
|           |         |                 | LV            | NT              | -40000.00      | -7.707129       | 20          | PASS    |
|           |         |                 | HV            | NT              | -40000.00      | -7.707129       | 20          | PASS    |
|           |         | 5230            | NV            | NT              | -80000.00      | -15.296367      | 20          | PASS    |
|           |         |                 | LV            | NT              | -80000.00      | -15.296367      | 20          | PASS    |
|           |         |                 | HV            | NT              | -80000.00      | -15.296367      | 20          | PASS    |
|           |         | 5270            | NV            | NT              | 0.00           | 0.000000        | 20          | PASS    |
|           |         |                 | LV            | NT              | 0.00           | 0.000000        | 20          | PASS    |
|           |         |                 | HV            | NT              | 0.00           | 0.000000        | 20          | PASS    |
|           |         | 5310            | NV            | NT              | -40000.00      | -7.532957       | 20          | PASS    |
|           |         |                 | LV            | NT              | -40000.00      | -7.532957       | 20          | PASS    |
|           |         |                 | HV            | NT              | -40000.00      | -7.532957       | 20          | PASS    |
|           |         | 5510            | NV            | NT              | -40000.00      | -7.259528       | 20          | PASS    |
|           |         |                 | LV            | NT              | -40000.00      | -7.259528       | 20          | PASS    |
|           |         |                 | HV            | NT              | -40000.00      | -7.259528       | 20          | PASS    |

|            |      |      |    |    |           |            |    |      |
|------------|------|------|----|----|-----------|------------|----|------|
| 11AC80SISO | Ant1 | 5550 | NV | NT | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | LV | NT | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | HV | NT | 0.00      | 0.000000   | 20 | PASS |
|            |      | 5670 | NV | NT | -80000.00 | -14.109347 | 20 | PASS |
|            |      |      | LV | NT | -40000.00 | -7.054674  | 20 | PASS |
|            |      |      | HV | NT | -80000.00 | -14.109347 | 20 | PASS |
|            |      | 5710 | NV | NT | -80000.00 | -14.010508 | 20 | PASS |
|            |      |      | LV | NT | -80000.00 | -14.010508 | 20 | PASS |
|            |      |      | HV | NT | -40000.00 | -7.005254  | 20 | PASS |
|            |      | 5755 | NV | NT | -40000.00 | -6.950478  | 20 | PASS |
|            |      |      | LV | NT | -40000.00 | -6.950478  | 20 | PASS |
|            |      |      | HV | NT | -40000.00 | -6.950478  | 20 | PASS |
|            |      | 5795 | NV | NT | -40000.00 | -6.902502  | 20 | PASS |
|            |      |      | LV | NT | -40000.00 | -6.902502  | 20 | PASS |
|            |      |      | HV | NT | -40000.00 | -6.902502  | 20 | PASS |
|            |      |      | LV | NT | -60000.00 | -10.371651 | 20 | PASS |
|            |      |      | HV | NT | -80000.00 | -13.828868 | 20 | PASS |
| 11AC80SISO | Ant1 | 5210 | NV | NT | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | LV | NT | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | HV | NT | -80000.00 | -15.355086 | 20 | PASS |
|            |      | 5290 | NV | NT | -80000.00 | -15.122873 | 20 | PASS |
|            |      |      | LV | NT | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | HV | NT | 0.00      | 0.000000   | 20 | PASS |
|            |      | 5530 | NV | NT | -80000.00 | -14.466546 | 20 | PASS |
|            |      |      | LV | NT | -80000.00 | -14.466546 | 20 | PASS |
|            |      |      | HV | NT | 0.00      | 0.000000   | 20 | PASS |
|            |      | 5610 | NV | NT | -80000.00 | -14.260250 | 20 | PASS |
|            |      |      | LV | NT | -80000.00 | -14.466546 | 20 | PASS |
|            |      |      | HV | NT | -80000.00 | -14.260250 | 20 | PASS |
|            |      | 5690 | NV | NT | -80000.00 | -14.466546 | 20 | PASS |
|            |      |      | LV | NT | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | HV | NT | -80000.00 | -14.466546 | 20 | PASS |
|            |      | 5775 | NV | NT | -80000.00 | -13.852814 | 20 | PASS |
|            |      |      | LV | NT | -80000.00 | -14.466546 | 20 | PASS |
|            |      |      | HV | NT | 0.00      | 0.000000   | 20 | PASS |

| Temperature |         |                |               |                  |                |                 |             |         |
|-------------|---------|----------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Test Mode   | Antenna | Frequency[MHz] | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A         | Ant1    | 5180           | NV            | -30              | -40000.00      | -7.722008       | 20          | PASS    |
|             |         |                | NV            | -20              | -40000.00      | -7.722008       | 20          | PASS    |
|             |         |                | NV            | -10              | -80000.00      | -15.444015      | 20          | PASS    |
|             |         |                | NV            | 0                | -40000.00      | -7.722008       | 20          | PASS    |
|             |         |                | NV            | 10               | -60000.00      | -11.583012      | 20          | PASS    |
|             |         |                | NV            | 20               | -40000.00      | -7.722008       | 20          | PASS    |
|             |         |                | NV            | 30               | -60000.00      | -11.583012      | 20          | PASS    |
|             |         |                | NV            | 40               | -60000.00      | -11.583012      | 20          | PASS    |
|             |         |                | NV            | 50               | -60000.00      | -11.583012      | 20          | PASS    |
|             |         | 5200           | NV            | -30              | -40000.00      | -7.692308       | 20          | PASS    |
|             |         |                | NV            | -20              | -80000.00      | -15.384615      | 20          | PASS    |
|             |         |                | NV            | -10              | -40000.00      | -7.692308       | 20          | PASS    |
|             |         |                | NV            | 0                | -80000.00      | -15.384615      | 20          | PASS    |
|             |         |                | NV            | 10               | -20000.00      | -3.846154       | 20          | PASS    |
|             |         |                | NV            | 20               | -80000.00      | -15.384615      | 20          | PASS    |
|             |         |                | NV            | 30               | -80000.00      | -15.384615      | 20          | PASS    |
|             |         |                | NV            | 40               | -60000.00      | -11.538462      | 20          | PASS    |
|             |         |                | NV            | 50               | -60000.00      | -11.538462      | 20          | PASS    |
|             |         | 5240           | NV            | -30              | -20000.00      | -3.816794       | 20          | PASS    |
|             |         |                | NV            | -20              | -20000.00      | -3.816794       | 20          | PASS    |
|             |         |                | NV            | -10              | -40000.00      | -7.633588       | 20          | PASS    |
|             |         |                | NV            | 0                | -80000.00      | -15.267176      | 20          | PASS    |
|             |         |                | NV            | 10               | -60000.00      | -11.450382      | 20          | PASS    |
|             |         |                | NV            | 20               | -40000.00      | -7.633588       | 20          | PASS    |
|             |         |                | NV            | 30               | -40000.00      | -7.633588       | 20          | PASS    |

|  |  |      |    |     |           |            |    |      |
|--|--|------|----|-----|-----------|------------|----|------|
|  |  |      | NV | 40  | -40000.00 | -7.633588  | 20 | PASS |
|  |  |      | NV | 50  | -60000.00 | -11.450382 | 20 | PASS |
|  |  | 5260 | NV | -30 | -80000.00 | -15.209125 | 20 | PASS |
|  |  |      | NV | -20 | -40000.00 | -7.604563  | 20 | PASS |
|  |  |      | NV | -10 | -60000.00 | -11.406844 | 20 | PASS |
|  |  |      | NV | 0   | -20000.00 | -3.802281  | 20 | PASS |
|  |  |      | NV | 10  | -40000.00 | -7.604563  | 20 | PASS |
|  |  |      | NV | 20  | -40000.00 | -7.604563  | 20 | PASS |
|  |  |      | NV | 30  | -80000.00 | -15.209125 | 20 | PASS |
|  |  |      | NV | 40  | -60000.00 | -11.406844 | 20 | PASS |
|  |  |      | NV | 50  | -60000.00 | -11.406844 | 20 | PASS |
|  |  | 5280 | NV | -30 | -20000.00 | -3.787879  | 20 | PASS |
|  |  |      | NV | -20 | -40000.00 | -7.575758  | 20 | PASS |
|  |  |      | NV | -10 | -40000.00 | -7.575758  | 20 | PASS |
|  |  |      | NV | 0   | -20000.00 | -3.787879  | 20 | PASS |
|  |  |      | NV | 10  | -40000.00 | -7.575758  | 20 | PASS |
|  |  |      | NV | 20  | -20000.00 | -3.787879  | 20 | PASS |
|  |  |      | NV | 30  | -40000.00 | -7.575758  | 20 | PASS |
|  |  |      | NV | 40  | -20000.00 | -3.787879  | 20 | PASS |
|  |  |      | NV | 50  | -20000.00 | -3.787879  | 20 | PASS |
|  |  | 5320 | NV | -30 | -40000.00 | -7.518797  | 20 | PASS |
|  |  |      | NV | -20 | -40000.00 | -7.518797  | 20 | PASS |
|  |  |      | NV | -10 | -40000.00 | -7.518797  | 20 | PASS |
|  |  |      | NV | 0   | -40000.00 | -7.518797  | 20 | PASS |
|  |  |      | NV | 10  | -40000.00 | -7.518797  | 20 | PASS |
|  |  |      | NV | 20  | -40000.00 | -7.518797  | 20 | PASS |
|  |  |      | NV | 30  | -40000.00 | -7.518797  | 20 | PASS |
|  |  |      | NV | 40  | -40000.00 | -7.518797  | 20 | PASS |
|  |  |      | NV | 50  | -40000.00 | -7.518797  | 20 | PASS |
|  |  | 5500 | NV | -30 | -40000.00 | -7.272727  | 20 | PASS |
|  |  |      | NV | -20 | -40000.00 | -7.272727  | 20 | PASS |
|  |  |      | NV | -10 | -60000.00 | -10.909091 | 20 | PASS |
|  |  |      | NV | 0   | -40000.00 | -7.272727  | 20 | PASS |
|  |  |      | NV | 10  | -40000.00 | -7.272727  | 20 | PASS |
|  |  |      | NV | 20  | -40000.00 | -7.272727  | 20 | PASS |
|  |  |      | NV | 30  | -40000.00 | -7.272727  | 20 | PASS |
|  |  |      | NV | 40  | -60000.00 | -10.909091 | 20 | PASS |
|  |  |      | NV | 50  | -40000.00 | -7.272727  | 20 | PASS |
|  |  | 5580 | NV | -30 | -60000.00 | -10.752688 | 20 | PASS |
|  |  |      | NV | -20 | -40000.00 | -7.168459  | 20 | PASS |
|  |  |      | NV | -10 | -60000.00 | -10.752688 | 20 | PASS |
|  |  |      | NV | 0   | -60000.00 | -10.752688 | 20 | PASS |
|  |  |      | NV | 10  | -40000.00 | -7.168459  | 20 | PASS |
|  |  |      | NV | 20  | -40000.00 | -7.168459  | 20 | PASS |
|  |  |      | NV | 30  | -40000.00 | -7.168459  | 20 | PASS |
|  |  |      | NV | 40  | -60000.00 | -10.752688 | 20 | PASS |
|  |  |      | NV | 50  | -40000.00 | -7.168459  | 20 | PASS |
|  |  | 5700 | NV | -30 | -80000.00 | -14.035088 | 20 | PASS |
|  |  |      | NV | -20 | -60000.00 | -10.526316 | 20 | PASS |
|  |  |      | NV | -10 | -80000.00 | -14.035088 | 20 | PASS |
|  |  |      | NV | 0   | -80000.00 | -14.035088 | 20 | PASS |
|  |  |      | NV | 10  | -80000.00 | -14.035088 | 20 | PASS |
|  |  |      | NV | 20  | -80000.00 | -14.035088 | 20 | PASS |
|  |  |      | NV | 30  | -60000.00 | -10.526316 | 20 | PASS |
|  |  |      | NV | 40  | -80000.00 | -14.035088 | 20 | PASS |
|  |  |      | NV | 50  | -80000.00 | -14.035088 | 20 | PASS |
|  |  | 5720 | NV | -30 | -60000.00 | -10.489510 | 20 | PASS |
|  |  |      | NV | -20 | -60000.00 | -10.489510 | 20 | PASS |
|  |  |      | NV | -10 | -60000.00 | -10.489510 | 20 | PASS |
|  |  |      | NV | 0   | -60000.00 | -10.489510 | 20 | PASS |
|  |  |      | NV | 10  | -60000.00 | -10.489510 | 20 | PASS |
|  |  |      | NV | 20  | -80000.00 | -13.986014 | 20 | PASS |
|  |  |      | NV | 30  | -60000.00 | -10.489510 | 20 | PASS |
|  |  |      | NV | 40  | -60000.00 | -10.489510 | 20 | PASS |

|           |      |      |    |     |           |            |    |      |
|-----------|------|------|----|-----|-----------|------------|----|------|
| 11N40SISO | Ant1 | 5745 | NV | 50  | -60000.00 | -10.489510 | 20 | PASS |
|           |      |      | NV | -30 | -80000.00 | -13.925152 | 20 | PASS |
|           |      |      | NV | -20 | -80000.00 | -13.925152 | 20 | PASS |
|           |      |      | NV | -10 | -80000.00 | -13.925152 | 20 | PASS |
|           |      |      | NV | 0   | -80000.00 | -13.925152 | 20 | PASS |
|           |      |      | NV | 10  | -60000.00 | -10.443864 | 20 | PASS |
|           |      |      | NV | 20  | -80000.00 | -13.925152 | 20 | PASS |
|           |      |      | NV | 30  | -80000.00 | -13.925152 | 20 | PASS |
|           |      |      | NV | 40  | -80000.00 | -13.925152 | 20 | PASS |
|           |      | 5785 | NV | 50  | -60000.00 | -10.443864 | 20 | PASS |
|           |      |      | NV | -30 | -60000.00 | -10.371651 | 20 | PASS |
|           |      |      | NV | -20 | -60000.00 | -10.371651 | 20 | PASS |
|           |      |      | NV | -10 | -80000.00 | -13.828868 | 20 | PASS |
|           |      |      | NV | 0   | -60000.00 | -10.371651 | 20 | PASS |
|           |      |      | NV | 10  | -60000.00 | -10.371651 | 20 | PASS |
|           |      |      | NV | 20  | -60000.00 | -10.371651 | 20 | PASS |
|           |      |      | NV | 30  | -60000.00 | -10.371651 | 20 | PASS |
|           |      |      | NV | 40  | -60000.00 | -10.371651 | 20 | PASS |
|           |      | 5825 | NV | 50  | -60000.00 | -10.371651 | 20 | PASS |
|           |      |      | NV | -30 | -80000.00 | -13.733906 | 20 | PASS |
|           |      |      | NV | -20 | -80000.00 | -13.733906 | 20 | PASS |
|           |      |      | NV | -10 | -80000.00 | -13.733906 | 20 | PASS |
|           |      |      | NV | 0   | -80000.00 | -13.733906 | 20 | PASS |
|           |      |      | NV | 10  | -80000.00 | -13.733906 | 20 | PASS |
|           |      |      | NV | 20  | -80000.00 | -13.733906 | 20 | PASS |
|           |      |      | NV | 30  | -80000.00 | -13.733906 | 20 | PASS |
|           |      |      | NV | 40  | -80000.00 | -13.733906 | 20 | PASS |
|           | Ant1 | 5190 | NV | 50  | -80000.00 | -13.733906 | 20 | PASS |
|           |      |      | NV | -30 | 0.00      | 0.000000   | 20 | PASS |
|           |      |      | NV | -20 | -40000.00 | -7.707129  | 20 | PASS |
|           |      |      | NV | -10 | -80000.00 | -15.414258 | 20 | PASS |
|           |      |      | NV | 0   | 0.00      | 0.000000   | 20 | PASS |
|           |      |      | NV | 10  | -40000.00 | -7.707129  | 20 | PASS |
|           |      |      | NV | 20  | -40000.00 | -7.707129  | 20 | PASS |
|           |      |      | NV | 30  | -80000.00 | -15.414258 | 20 | PASS |
|           |      |      | NV | 40  | -40000.00 | -7.707129  | 20 | PASS |
|           |      | 5230 | NV | 50  | -40000.00 | -7.707129  | 20 | PASS |
|           |      |      | NV | -30 | -80000.00 | -15.296367 | 20 | PASS |
|           |      |      | NV | -20 | -80000.00 | -15.296367 | 20 | PASS |
|           |      |      | NV | -10 | -80000.00 | -15.296367 | 20 | PASS |
|           |      |      | NV | 0   | -80000.00 | -15.296367 | 20 | PASS |
|           |      |      | NV | 10  | -80000.00 | -15.296367 | 20 | PASS |
|           |      |      | NV | 20  | -80000.00 | -15.296367 | 20 | PASS |
|           |      |      | NV | 30  | -80000.00 | -15.296367 | 20 | PASS |
|           |      |      | NV | 40  | -80000.00 | -15.296367 | 20 | PASS |
|           |      | 5270 | NV | 50  | -80000.00 | -15.296367 | 20 | PASS |
|           |      |      | NV | -30 | 0.00      | 0.000000   | 20 | PASS |
|           |      |      | NV | -20 | -40000.00 | -7.590133  | 20 | PASS |
|           |      |      | NV | -10 | 0.00      | 0.000000   | 20 | PASS |
|           |      |      | NV | 0   | 0.00      | 0.000000   | 20 | PASS |
|           |      |      | NV | 10  | -40000.00 | -7.590133  | 20 | PASS |
|           |      |      | NV | 20  | -40000.00 | -7.590133  | 20 | PASS |
|           |      |      | NV | 30  | -40000.00 | -7.590133  | 20 | PASS |
|           |      |      | NV | 40  | -80000.00 | -15.180266 | 20 | PASS |
|           |      | 5310 | NV | 50  | -80000.00 | -15.180266 | 20 | PASS |
|           |      |      | NV | -30 | -40000.00 | -7.532957  | 20 | PASS |
|           |      |      | NV | -20 | -40000.00 | -7.532957  | 20 | PASS |
|           |      |      | NV | -10 | -40000.00 | -7.532957  | 20 | PASS |
|           |      |      | NV | 0   | -40000.00 | -7.532957  | 20 | PASS |
|           |      |      | NV | 10  | -40000.00 | -7.532957  | 20 | PASS |
|           |      |      | NV | 20  | -40000.00 | -7.532957  | 20 | PASS |
|           |      |      | NV | 30  | -40000.00 | -7.532957  | 20 | PASS |
|           |      |      | NV | 40  | -40000.00 | -7.532957  | 20 | PASS |
|           |      |      | NV | 50  | -40000.00 | -7.532957  | 20 | PASS |



|  |  |      |    |     |           |            |    |      |
|--|--|------|----|-----|-----------|------------|----|------|
|  |  |      | NV | -20 | -80000.00 | -15.122873 | 20 | PASS |
|  |  |      | NV | -10 | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 0   | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | 10  | -80000.00 | -15.122873 | 20 | PASS |
|  |  |      | NV | 20  | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | 30  | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 40  | -80000.00 | -15.122873 | 20 | PASS |
|  |  |      | NV | 50  | 0.00      | 0.000000   | 20 | PASS |
|  |  | 5530 | NV | -30 | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | -20 | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | -10 | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | 0   | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | 10  | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 20  | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 30  | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | 40  | 0.00      | 0.000000   | 20 | PASS |
|  |  | 5610 | NV | 50  | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | -30 | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | -20 | -80000.00 | -14.260250 | 20 | PASS |
|  |  |      | NV | -10 | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | 0   | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | 10  | -80000.00 | -14.260250 | 20 | PASS |
|  |  |      | NV | 20  | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 30  | 0.00      | 0.000000   | 20 | PASS |
|  |  | 5690 | NV | 40  | -80000.00 | -14.260250 | 20 | PASS |
|  |  |      | NV | 50  | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | -30 | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | -20 | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | -10 | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 0   | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 10  | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 20  | -80000.00 | -14.466546 | 20 | PASS |
|  |  | 5775 | NV | 30  | -80000.00 | -14.059754 | 20 | PASS |
|  |  |      | NV | 40  | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 50  | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | -30 | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | -20 | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | -10 | -80000.00 | -13.852814 | 20 | PASS |
|  |  |      | NV | 0   | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 10  | -80000.00 | -13.852814 | 20 | PASS |
|  |  |      | NV | 20  | 0.00      | 0.000000   | 20 | PASS |
|  |  |      | NV | 30  | -80000.00 | -14.466546 | 20 | PASS |
|  |  |      | NV | 40  | -80000.00 | -13.852814 | 20 | PASS |
|  |  |      | NV | 50  | -80000.00 | -14.466546 | 20 | PASS |

## 11. Dynamic Frequency Selection

### 11.1. Applicability of DFS requirements

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

| Requirement                     | Operational Mode                |                                                                    |                                                      |
|---------------------------------|---------------------------------|--------------------------------------------------------------------|------------------------------------------------------|
|                                 | <input type="checkbox"/> Master | <input checked="" type="checkbox"/> Client Without Radar Detection | <input type="checkbox"/> Client with Radar Detection |
| Non-Occupancy Period            | Yes                             | Not required                                                       | Yes                                                  |
| DFS Detection Threshold         | Yes                             | Not required                                                       | Yes                                                  |
| Channel Availability Check Time | Yes                             | Not required                                                       | Not required                                         |
| U-NII Detection Bandwidth       | Yes                             | Not required                                                       | Yes                                                  |

Table 2: Applicability of DFS requirements during normal operation

| Requirement                       | Operational Mode                                                      |                                                                    |
|-----------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------|
|                                   | <input type="checkbox"/> Master Device or Client with Radar Detection | <input checked="" type="checkbox"/> Client Without Radar Detection |
| DFS Detection Threshold           | Yes                                                                   | Not required                                                       |
| Channel Closing Transmission Time | Yes                                                                   | Yes                                                                |
| Channel Move Time                 | Yes                                                                   | Yes                                                                |
| U-NII Detection Bandwidth         | Yes                                                                   | Not required                                                       |

|                                                                   |                                                                       |                                                                    |
|-------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------|
| Additional requirements for devices with multiple bandwidth modes | <input type="checkbox"/> Master Device or Client with Radar Detection | <input checked="" type="checkbox"/> Client Without Radar Detection |
| U-NII Detection Bandwidth and Statistical Performance Check       | All BW modes must be tested                                           | Not required                                                       |
| Channel Move Time and Channel Closing Transmission Time           | Test using widest BW mode available                                   | Test using the widest BW mode available for the link               |
| All other tests                                                   | Any single BW mode                                                    | Not required                                                       |

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

## 11.2. Limit

### (1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

| Maximum Transmit Power                                                       | Value (See Notes 1, 2, and 3) |
|------------------------------------------------------------------------------|-------------------------------|
| EIRP $\geq$ 200 milliwatt                                                    | -64 dBm                       |
| EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz                 | -62 dBm                       |
| EIRP < 200 milliwatt that do not meet the power spectral density requirement | -64 dBm                       |

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.  
 Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.  
 Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

### (2) DFS Response Requirements

Table 4: DFS Response Requirement Values

| Parameter                         | Value                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|
| Non-occupancy period              | Minimum 30 minutes                                                                                        |
| Channel Availability Check Time   | 60 seconds                                                                                                |
| Channel Move Time                 | 10 seconds<br>See Note 1.                                                                                 |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.<br>See Notes 1 and 2. |
| U-NII Detection Bandwidth         | Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.                                   |

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.  
 Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.  
 Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

## 11.3. Parameters of radar test waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

| Radar Type                                                                                                                                                                                                                                                                                                                                                                                         | Pulse Width (μsec) | PRI (μsec) | Number of Pulses                                                                                                              | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|
| 0                                                                                                                                                                                                                                                                                                                                                                                                  | 1                  | 1428       | 18                                                                                                                            | See Note 1                                 | See Note 1               |
| 1                                                                                                                                                                                                                                                                                                                                                                                                  | 1                  | Test A     | Roundup $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 60%                                        | 30                       |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                    | Test B     |                                                                                                                               |                                            |                          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                  | 1-5                | 150-230    | 23-29                                                                                                                         | 60%                                        | 30                       |
| 3                                                                                                                                                                                                                                                                                                                                                                                                  | 6-10               | 200-500    | 16-18                                                                                                                         | 60%                                        | 30                       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                  | 11-20              | 200-500    | 12-16                                                                                                                         | 60%                                        | 30                       |
| Aggregate (Radar Types 1-4)                                                                                                                                                                                                                                                                                                                                                                        |                    |            |                                                                                                                               | 80%                                        | 120                      |
| Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.<br>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a<br>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                    |            |                                                                                                                               |                                            |                          |

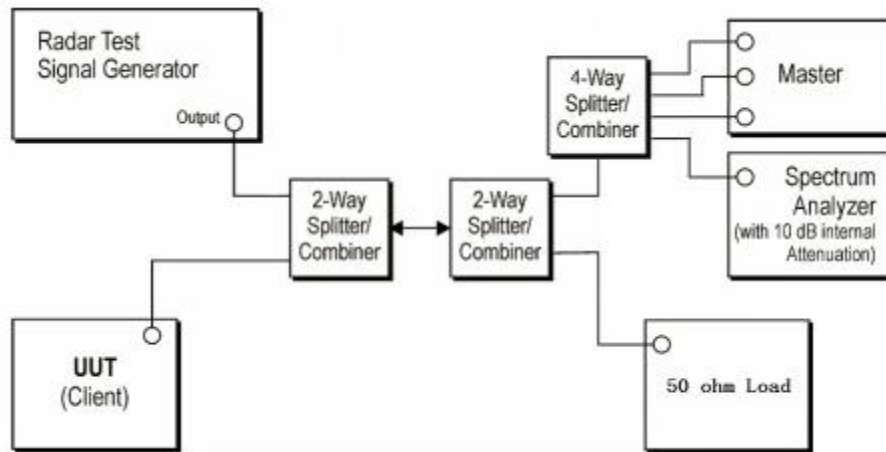
A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

#### 11.4. Calibration of radar waveform

Radar Waveform Calibration Procedure:

- (1) A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master
- (2) The interference Radar Detection Threshold Level is  $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$  that had been taken into account the output power range and antenna gain.
- (3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB.
- (4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was  $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$ . Capture the spectrum analyzer plots on short pulse radar waveform.

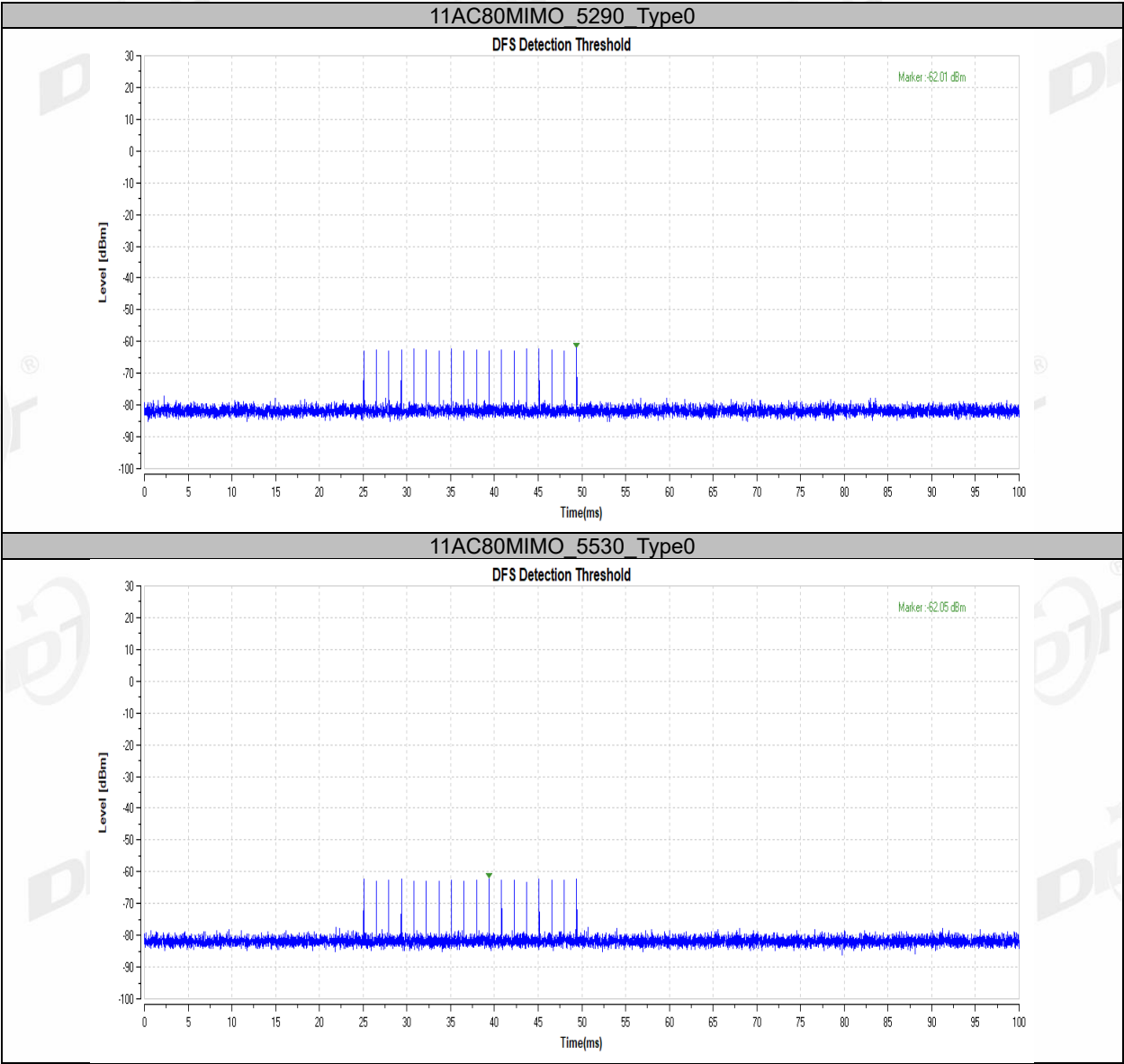
Conducted Calibration Setup:



Note: 1. Use the software "Web" to set the frequency channel.

2. EUT is not support TPC and not with Radar detection.

| TestMode   | Frequency [MHz] | Radar Type | Result | Limit[dbm] | Verdict |
|------------|-----------------|------------|--------|------------|---------|
| 11AC80MIMO | 5290            | Type0      | -62.01 | -62.00     | PASS    |
|            | 5530            | Type0      | -62.05 | -62.00     | PASS    |



### 11.5. Channel closing transmission time, channel move time and non-occupancy period

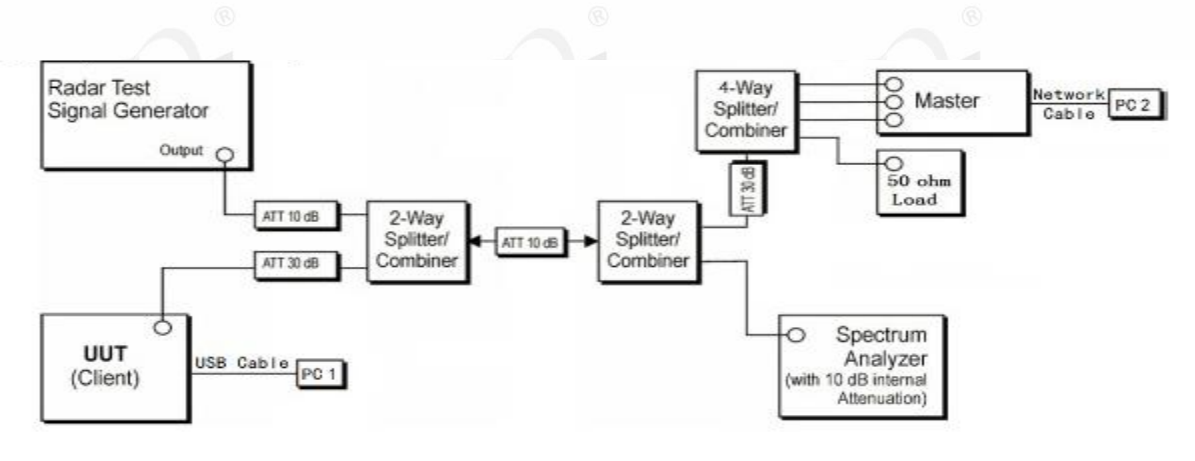
Block diagram of test setup Test Procedure:

- (1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- (2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- (3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- (4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Test Software in order to properly load the network for the entire period of the test.
- (5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- (6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- (7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the
- (8) spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by:  $Dwell (0.3ms) = S (12000ms) / B (4000)$ ; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C (ms) = N \times Dwell (0.3ms)$ ; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

### 11.6. Test setup

Setup for Client with injection at the Master

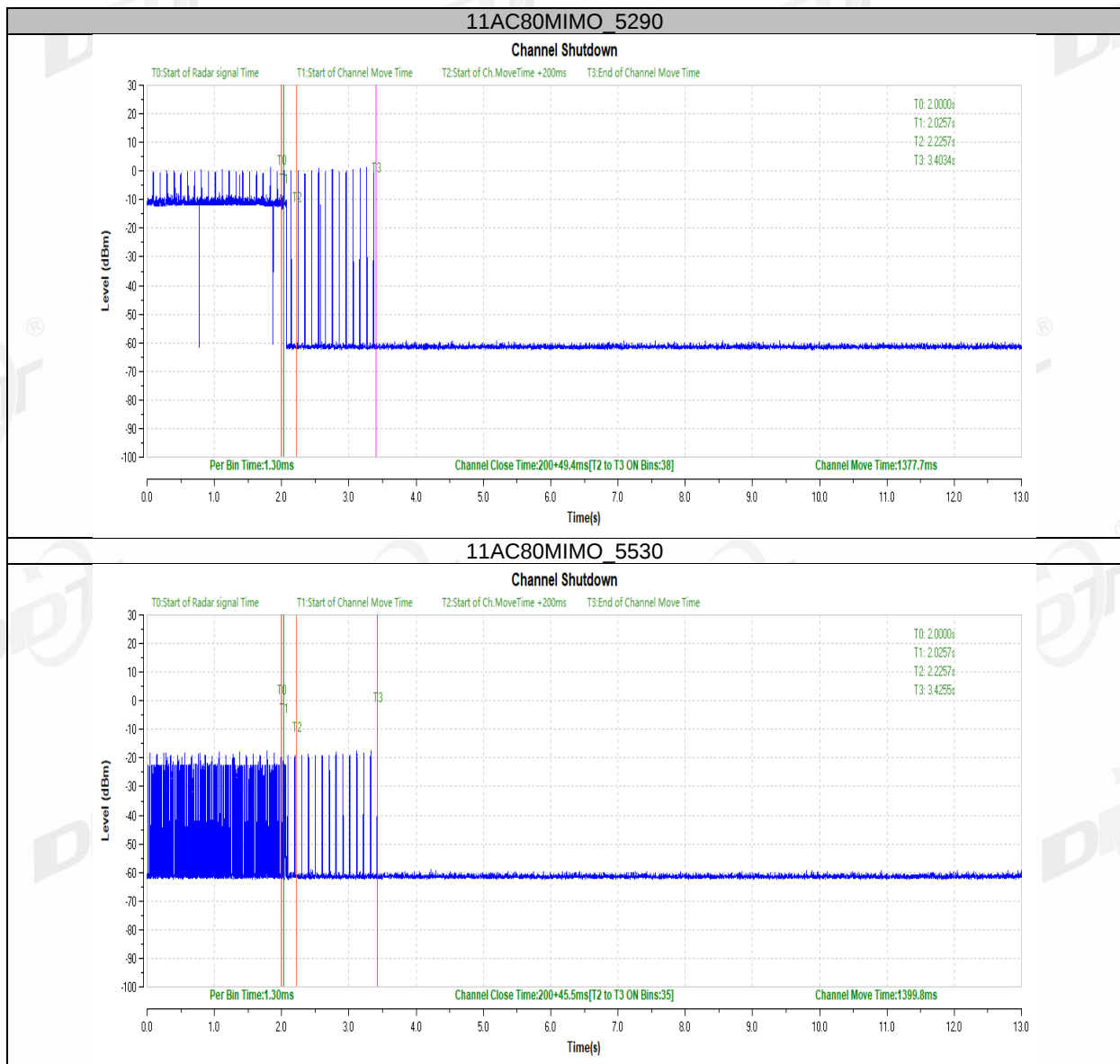


11.7. Test result

|                    |                             |                |                          |
|--------------------|-----------------------------|----------------|--------------------------|
| Test Engineer:     | Zora Zhang                  | Test Site:     | RF Measurement System 1# |
| Ambient Condition: | 25.3℃,60.6%RH               | Test Date:     | 2024.04.19-2024.04.28    |
| Test Power Supply: | DC 5V from external adapter | Sample Number: | S24021902-001            |

| TestMode   | Frequency[MHz] | CCTT[ms] | Limit[ms] | CMT[ms] | Limit[ms] | Verdict |
|------------|----------------|----------|-----------|---------|-----------|---------|
| 11AC80MIMO | 5290           | 200+49.4 | 200+60    | 1377.7  | 10000     | PASS    |
| 11AC80MIMO | 5530           | 200+45.5 | 200+60    | 1399.8  | 10000     | PASS    |

Test plots as follows:



## 12. Antenna Requirements

### 12.1. Limit

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 12.2. Result

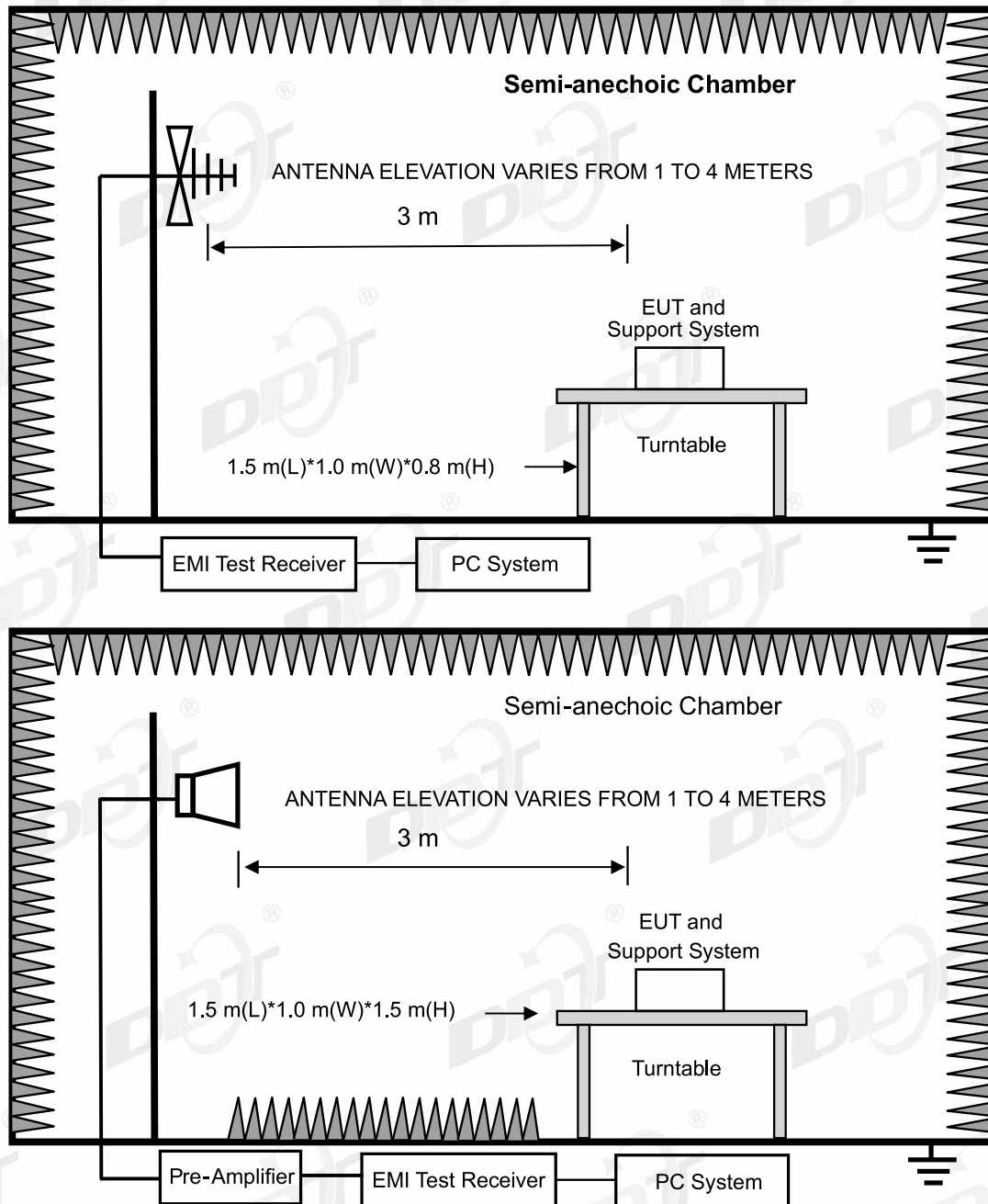
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

## 13.Radiated Emission

### 13.1. Test equipment

| Equipment                            | Manufacturer                | Model No.          | Serial No.  | Cal Due To |
|--------------------------------------|-----------------------------|--------------------|-------------|------------|
| Trilog Broadband Antenna             | Schwarzbeck                 | VULB 9163          | DDT-ZC02050 | 2024/07/11 |
| RF cable                             | Yuhu Technology             | ZT26S-SMAJ-SMAJ-1M | DDT-ZC02037 | 2025/04/01 |
| ELECTRIC AND MAGNETIC FIELD ANALYZER | Narda                       | EHP-200A           | DDT-ZC01401 | 2024/09/20 |
| EMI TEST RECEIVER                    | R&S                         | ESU26              | DDT-ZC01909 | 2025/04/01 |
| Active Loop Antenna                  | Schwarzbeck                 | FMZB1519           | DDT-ZC00524 | 2025/09/10 |
| High pass filter                     | Micro-Tronics               | HPM50102           | DDT-ZC00561 | 2024/05/14 |
| Pre-amplifier                        | COM-POWER                   | PAM-840A           | DDT-ZC01693 | 2025/04/01 |
| RF cable                             | Zhongke Junchuang           | JCT26S-NJ-NJ-1.5M  | DDT-ZC02762 | 2025/04/01 |
| Hochgewinn-Hornantenne               | Schwarzbeck Mess-Elektronik | BBHA 9120 D        | DDT-ZC02129 | 2025/09/17 |
| RF Cable                             | N/A                         | W24.02 HL-562      | DDT-ZC04022 | 2025/04/01 |
| High pass filter                     | Micro-Tronics               | HPM50108           | DDT-ZC00560 | 2024/05/14 |
| Micro-Tronics filters                | REBES                       | BRM50702           | DDT-ZC03242 | /          |
| Micro-Tronics filters                | REBES                       | BRM50716           | DDT-ZC03240 | /          |
| RF Cable                             | N/A                         | W13.02 AP1-X2      | DDT-ZC04023 | 2025/04/01 |
| PSA Series Spectrum Analyzer         | Agilent                     | E4447A             | DDT-ZC00517 | 2025/04/01 |
| High Pass filter                     | XIANXINGBO                  | XBLBQ-GTA67        | DDT-ZC02179 | 2024/05/14 |
| Pre-amplifier                        | COM-POWER                   | PAM-118A           | DDT-ZC01293 | 2024/07/14 |
| Broad-Band Horn Antenna              | Schwarzbeck                 | BBHA 9170          | DDT-ZC00506 | 2025/04/25 |
| RF cable                             | Yuhu Technology             | JCTB810-NJ-NJ-9M   | DDT-ZC02538 | 2025/04/01 |

### 13.2. Block diagram of test setup



### 13.3. Limits

(1) FCC 15.205 Restricted frequency band

| MHz                      | MHz               | MHz         | GHz       |
|--------------------------|-------------------|-------------|-----------|
| 0.090-0.110              | 16.42-16.423      | 399.9-410   | 4.5-5.15  |
| <sup>1</sup> 0.495-0.505 | 16.69475-16.69525 | 608-614     | 5.35-5.46 |
| 2.1735-2.1905            | 16.80425-16.80475 | 960-1240    | 7.25-7.75 |
| 4.125-4.128              | 25.5-25.67        | 1300-1427   | 8.025-8.5 |
| 4.1772&4.1775            | 37.5-38.25        | 1435-1626.5 | 9.0-9.2   |

|                   |                     |               |                  |
|-------------------|---------------------|---------------|------------------|
| 4.2072&4.20775    | 73-74.6             | 1645.5-1646.5 | 9.3-9.5          |
| 6.215-6.218       | 74.8-75.2           | 1660-1710     | 10.6-12.7        |
| 6.26775-6.26825   | 108-121.94          | 1718.8-1722.2 | 13.25-13.4       |
| 6.31175-6.31225   | 123-138             | 2200-2300     | 14.47-14.5       |
| 8.291-8.294       | 149.9-150.05        | 2310-2390     | 15.35-16.2       |
| 8.362-8.366       | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4        |
| 8.37625-8.38675   | 156.7-156.9         | 2690-2900     | 22.01-23.12      |
| 8.41425-8.41475   | 162.0125-167.17     | 3260-3267     | 23.6-24.0        |
| 12.29-12.293      | 167.72-173.2        | 3332-3339     | 31.2-31.8        |
| 12.51975-12.52025 | 240-285             | 3345.8-3358   | 36.43-36.5       |
| 12.57675-12.57725 | 322-335.4           | 3600-4400     | ( <sup>2</sup> ) |
| 13.36-13.41       |                     |               |                  |

1 Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2 Above 38.6

(2) FCC 15.209 Limit

| FREQUENCY<br>MHz |   |      | DISTANCE<br>Meters | FIELD STRENGTHS LIMIT                           |               |
|------------------|---|------|--------------------|-------------------------------------------------|---------------|
|                  |   |      |                    | mV/m                                            | dB(mV)/m      |
| 0.009 ~ 0.490    |   |      | 300                | 2400/F(kHz)                                     | 67.6-20log(F) |
| 0.490 ~ 1.705    |   |      | 30                 | 24000/F(kHz)                                    | 87.6-20log(F) |
| 1.705 ~ 30.0     |   |      | 30                 | 30                                              | 29.54         |
| 30               | ~ | 88   | 3                  | 100                                             | 40.0          |
| 88               | ~ | 216  | 3                  | 150                                             | 43.5          |
| 216              | ~ | 960  | 3                  | 200                                             | 46.0          |
| 960              | ~ | 1000 | 3                  | 500                                             | 54.0          |
| Above            |   | 1000 | 3                  | 74.0 dB(mV)/m (Peak)<br>54.0 dB(mV)/m (Average) |               |

Note:

(1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3m}(\text{dBuV/m}) = \text{Limit}_{30m}(\text{dBuV/m}) + 40\text{Log}(30m/3m)$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits.

### 13.4. Assistant equipment used for test

| Assistant equipment | Manufacturer | Model number | Description                                                     | other |
|---------------------|--------------|--------------|-----------------------------------------------------------------|-------|
| AC Adapter          | HUAWEI       | HW-050450C00 | Input: 100-240V~50/60Hz,<br>Output: 5V/2A or 4.5V/5A or 5V/4.5A | N/A   |

### 13.5. Test procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.
- (2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

| Test frequency range | Test antenna used                        | Test antenna distance |
|----------------------|------------------------------------------|-----------------------|
| 9 kHz - 30 MHz       | Active Loop antenna                      | 3 m                   |
| 30 MHz - 1 GHz       | Trilog Broadband Antenna                 | 3 m                   |
| 1 GHz - 18 GHz       | Double Ridged Horn Antenna(1 GHz-18 GHz) | 3 m                   |
| 18 GHz - 40 GHz      | Horn Antenna(18 GHz-40 GHz)              | 1 m                   |

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

- (3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

- (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

- (b) Change work frequency or channel of device if practicable.

- (c) Change modulation type of device if practicable.

- (d) Change power supply range from 85% to 115% of the rated supply voltage

- (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

| Frequency band   | RBW     |
|------------------|---------|
| 9 kHz - 150 kHz  | 200 Hz  |
| 150 kHz - 30 MHz | 9 kHz   |
| 30 MHz - 1 GHz   | 120 kHz |

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

### 13.6. Test result

#### **PASS. (See below detailed test result)**

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits.

Note1: According exploratory test no any obvious emission was detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 802.11ac20 Tx 5700MHz mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

5G WIFI TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

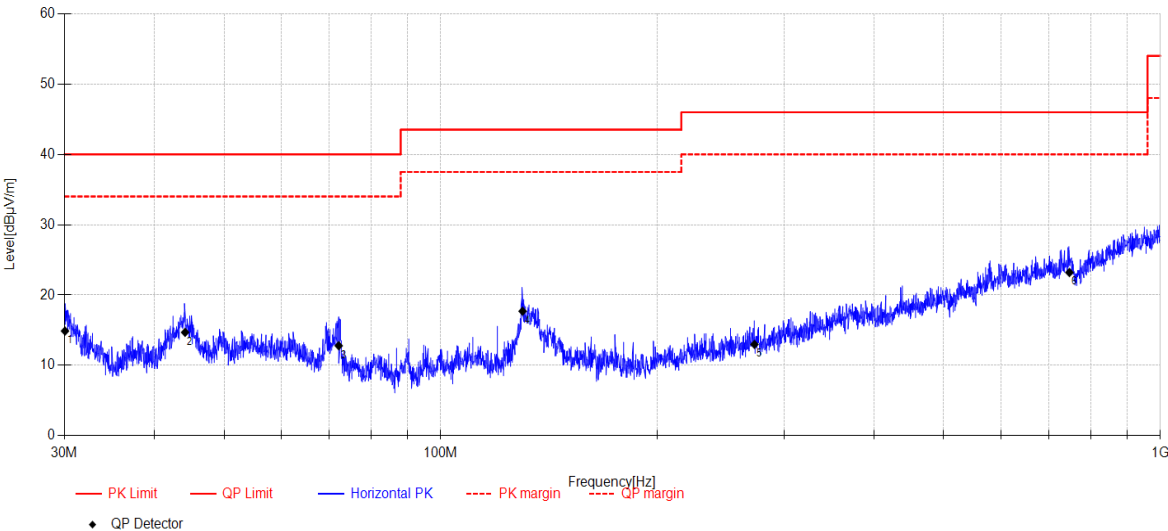
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24021902-1E\FCC BELOW 1G\20240424-185756\_H

Memo:

Sample Number:S24021902-001 Power Setting:NA



| Data List |             |                  |                     |                 |          |                 |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|-----------------|----------------|-------------|----------|------------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable Loss [dB] | AMP [dB] | Result [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 30.063      | 31.11            | 10.31               | 4.47            | -31.00   | 14.89           | 40.00          | 25.11       | QP       | Horizontal |
| 2         | 44.148      | 27.81            | 13.03               | 4.65            | -30.79   | 14.70           | 40.00          | 25.30       | QP       | Horizontal |
| 3         | 72.173      | 29.02            | 9.53                | 4.80            | -30.55   | 12.80           | 40.00          | 27.20       | QP       | Horizontal |
| 4         | 129.976     | 34.12            | 9.18                | 5.22            | -30.81   | 17.71           | 43.50          | 25.79       | QP       | Horizontal |
| 5         | 272.922     | 24.83            | 12.50               | 6.04            | -30.38   | 12.99           | 46.00          | 33.01       | QP       | Horizontal |
| 6         | 747.526     | 25.2             | 20.05               | 7.86            | -29.90   | 23.21           | 46.00          | 22.79       | QP       | Horizontal |

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

5G WIFI TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

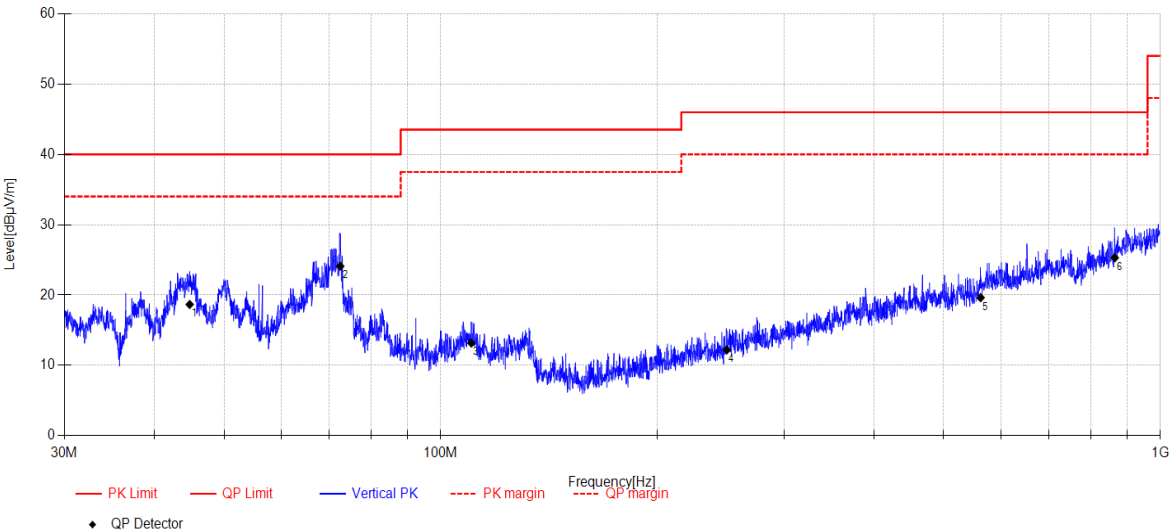
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24021902-1E\FCC BELOW 1G\20240424-185817\_V

Memo:

Sample Number:S24021902-001 Power Setting:NA



| Data List |             |                  |                     |                 |          |                 |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|-----------------|----------------|-------------|----------|----------|
| NO.       | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable Loss [dB] | AMP [dB] | Result [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 44.803      | 31.63            | 13.16               | 4.66            | -30.78   | 18.67           | 40.00          | 21.33       | QP       | Vertical |
| 2         | 72.528      | 40.47            | 9.39                | 4.80            | -30.55   | 24.11           | 40.00          | 15.89       | QP       | Vertical |
| 3         | 110.308     | 26.9             | 12.04               | 5.12            | -30.87   | 13.19           | 43.50          | 30.31       | QP       | Vertical |
| 4         | 249.844     | 25.03            | 11.69               | 5.94            | -30.45   | 12.21           | 46.00          | 33.79       | QP       | Vertical |
| 5         | 562.727     | 24.48            | 17.88               | 7.18            | -29.90   | 19.64           | 46.00          | 26.36       | QP       | Vertical |
| 6         | 864.293     | 25.45            | 20.96               | 8.21            | -29.32   | 25.30           | 46.00          | 20.70       | QP       | Vertical |

Note:

- Result Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5180MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

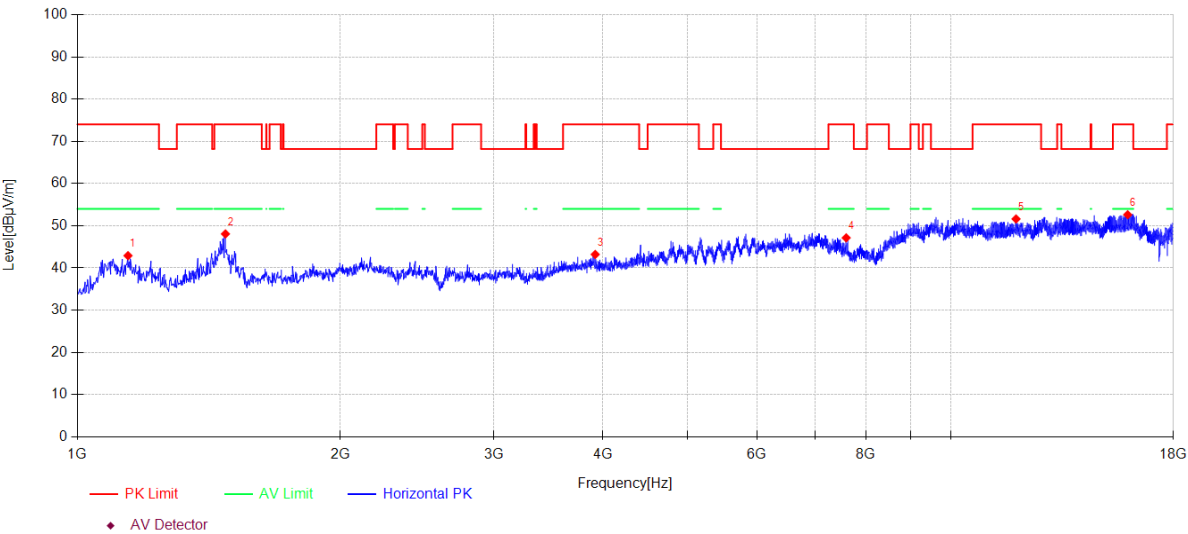
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\1

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1142.800    | 51.65            | 24.76               | 3.40            | -36.90   | 42.91          | 74.00          | 31.09       | PK       | Horizontal |
| 2         | 1477.700    | 55.08            | 25.41               | 4.51            | -36.94   | 48.06          | 74.00          | 25.94       | PK       | Horizontal |
| 3         | 3918.900    | 46.42            | 31.16               | 6.02            | -40.40   | 43.20          | 74.00          | 30.80       | PK       | Horizontal |
| 4         | 7596.000    | 43.97            | 36.49               | 8.86            | -42.19   | 47.13          | 74.00          | 26.87       | PK       | Horizontal |
| 5         | 11888.500   | 41.99            | 38.90               | 10.23           | -39.51   | 51.61          | 74.00          | 22.39       | PK       | Horizontal |
| 6         | 15960.000   | 38.04            | 38.04               | 15.87           | -39.34   | 52.61          | 74.00          | 21.39       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5180MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

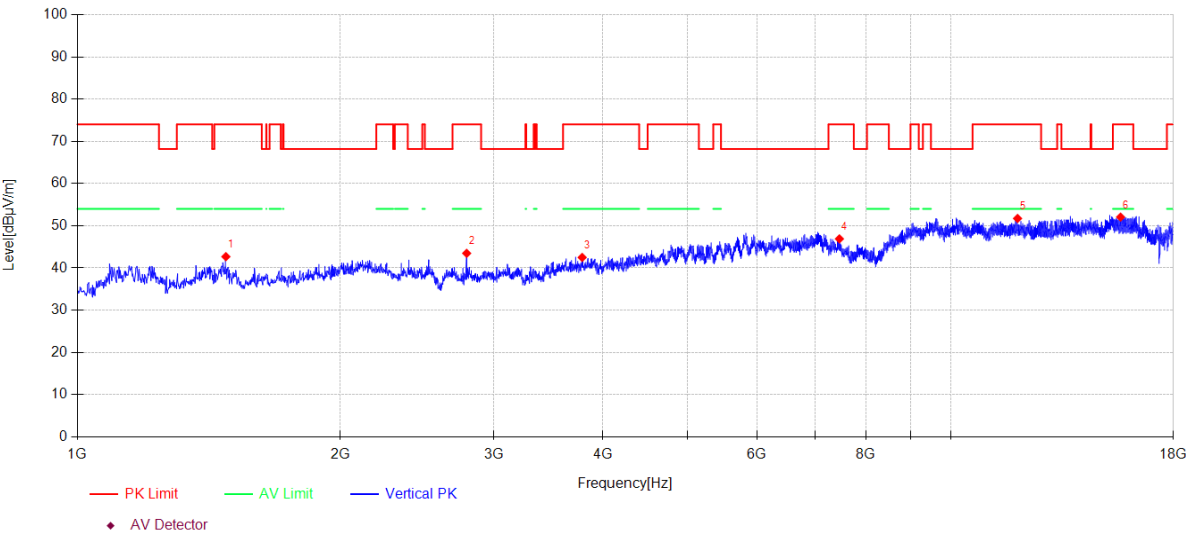
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\2

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1479.400    | 49.68            | 25.42               | 4.51            | -36.94   | 42.67          | 74.00          | 31.33       | PK       | Vertical |
| 2         | 2791.800    | 49.76            | 27.43               | 5.53            | -39.25   | 43.47          | 74.00          | 30.53       | PK       | Vertical |
| 3         | 3786.300    | 46.24            | 30.65               | 5.92            | -40.32   | 42.49          | 74.00          | 31.51       | PK       | Vertical |
| 4         | 7461.700    | 43.27            | 36.58               | 8.89            | -41.85   | 46.89          | 74.00          | 27.11       | PK       | Vertical |
| 5         | 11936.100   | 41.98            | 39.01               | 10.27           | -39.53   | 51.73          | 74.00          | 22.27       | PK       | Vertical |
| 6         | 15662.500   | 38.30            | 38.54               | 14.37           | -39.16   | 52.05          | 74.00          | 21.95       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5200MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

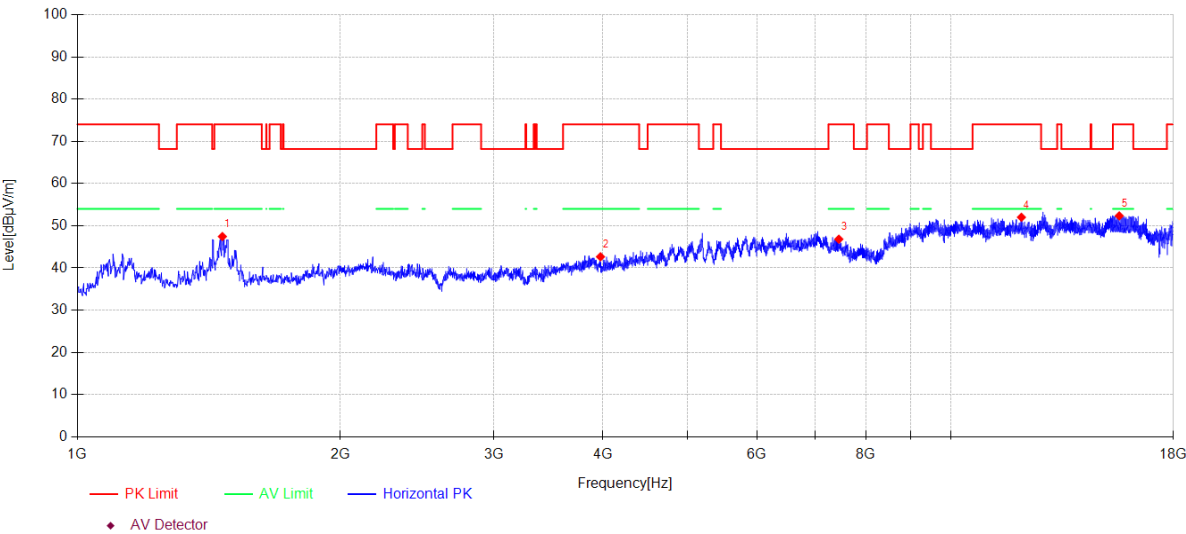
File Path:

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Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1465.800    | 54.55            | 25.36               | 4.47            | -36.94   | 47.44          | 74.00          | 26.56       | PK       | Horizontal |
| 2         | 3973.300    | 46.01            | 31.01               | 6.06            | -40.43   | 42.65          | 74.00          | 31.35       | PK       | Horizontal |
| 3         | 7449.800    | 43.14            | 36.60               | 8.89            | -41.82   | 46.81          | 74.00          | 27.19       | PK       | Horizontal |
| 4         | 12058.500   | 42.01            | 39.26               | 10.32           | -39.58   | 52.01          | 74.00          | 21.99       | PK       | Horizontal |
| 5         | 15608.100   | 38.77            | 38.59               | 14.09           | -39.12   | 52.33          | 74.00          | 21.67       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5200MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

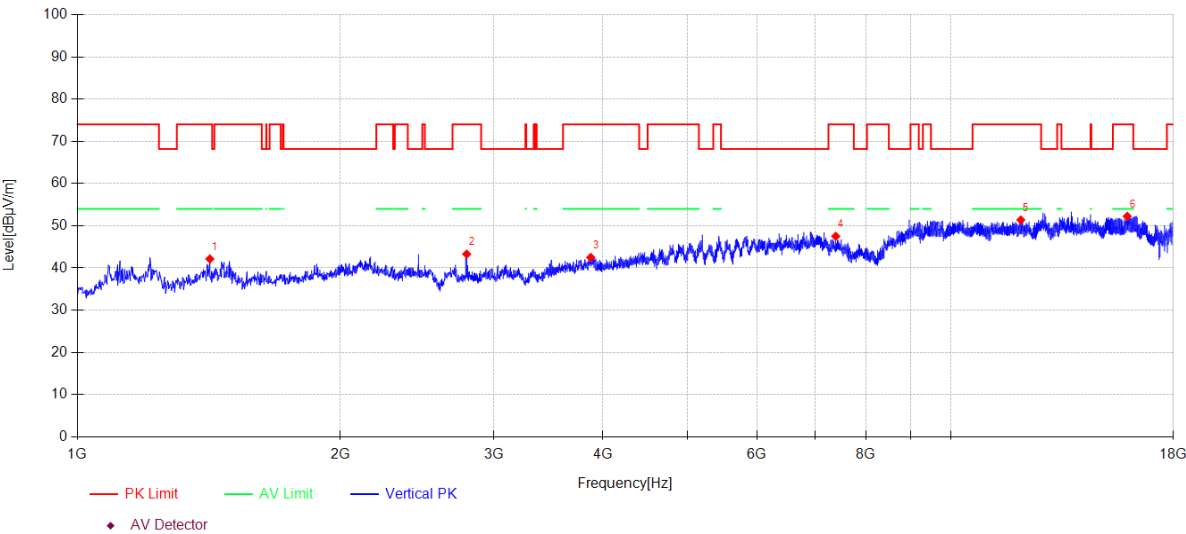
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\4

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1418.200    | 49.58            | 25.17               | 4.31            | -36.93   | 42.13          | 74.00          | 31.87       | PK       | Vertical |
| 2         | 2791.800    | 49.57            | 27.43               | 5.53            | -39.25   | 43.28          | 74.00          | 30.72       | PK       | Vertical |
| 3         | 3873.000    | 45.83            | 31.04               | 5.99            | -40.37   | 42.49          | 74.00          | 31.51       | PK       | Vertical |
| 4         | 7390.300    | 43.57            | 36.72               | 8.90            | -41.68   | 47.51          | 74.00          | 26.49       | PK       | Vertical |
| 5         | 12039.800   | 41.40            | 39.24               | 10.32           | -39.58   | 51.38          | 74.00          | 22.62       | PK       | Vertical |
| 6         | 15941.300   | 37.72            | 38.06               | 15.77           | -39.32   | 52.23          | 74.00          | 21.77       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5240MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

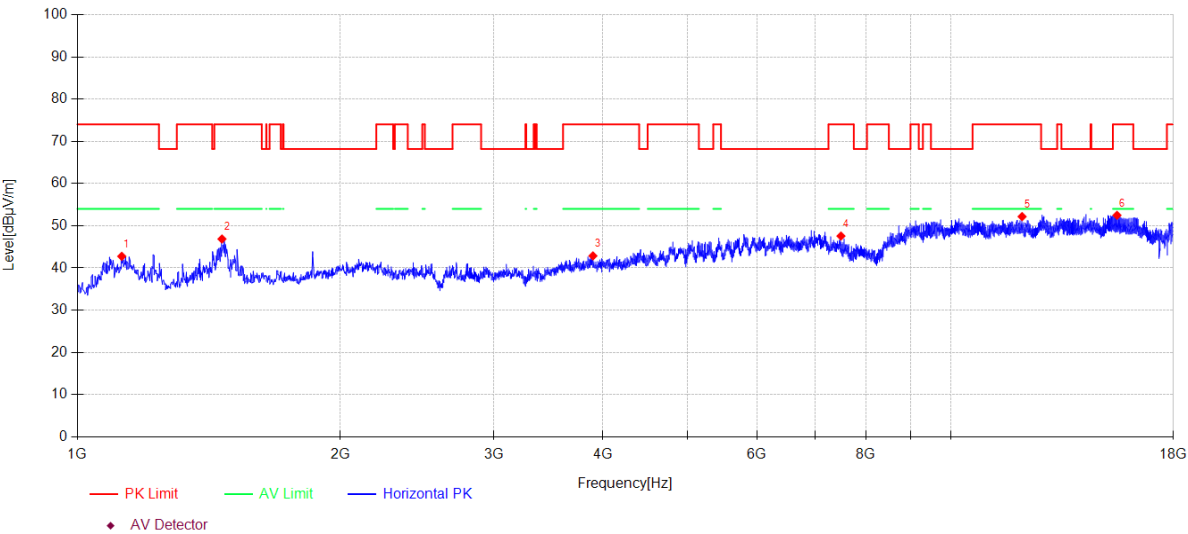
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\5

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1124.100    | 51.67            | 24.64               | 3.34            | -36.90   | 42.75          | 74.00          | 31.25       | PK       | Horizontal |
| 2         | 1464.100    | 53.98            | 25.36               | 4.46            | -36.94   | 46.86          | 74.00          | 27.14       | PK       | Horizontal |
| 3         | 3895.100    | 46.08            | 31.17               | 6.00            | -40.39   | 42.86          | 74.00          | 31.14       | PK       | Horizontal |
| 4         | 7492.300    | 44.09            | 36.52               | 8.88            | -41.93   | 47.56          | 74.00          | 26.44       | PK       | Horizontal |
| 5         | 12080.600   | 42.15            | 39.28               | 10.32           | -39.59   | 52.16          | 74.00          | 21.84       | PK       | Horizontal |
| 6         | 15516.300   | 39.14            | 38.77               | 13.63           | -39.07   | 52.47          | 74.00          | 21.53       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5240MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

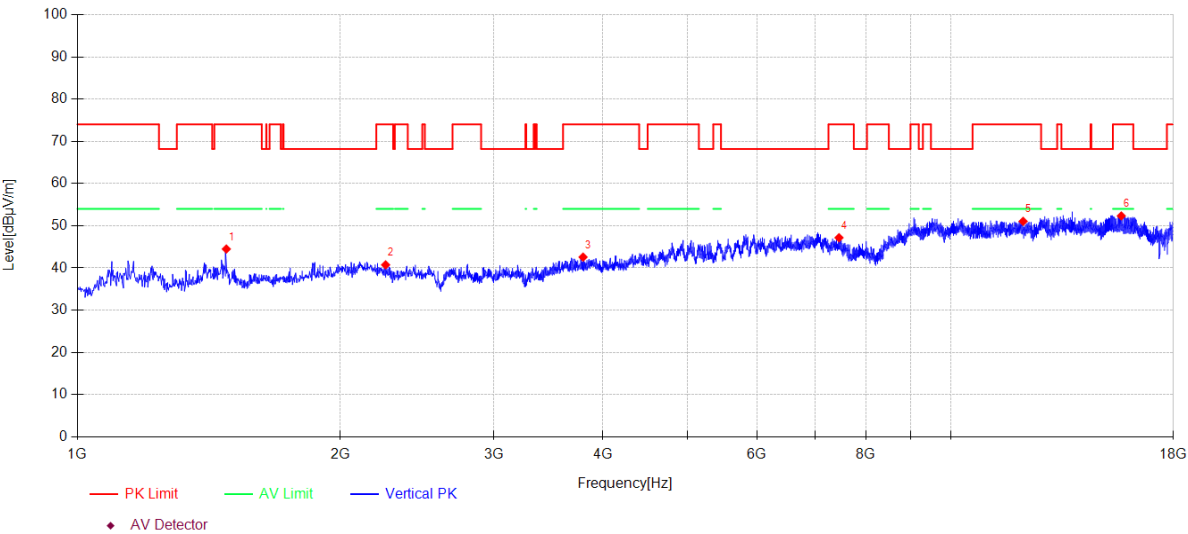
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\6

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1481.100    | 51.49            | 25.42               | 4.52            | -36.94   | 44.49          | 74.00          | 29.51       | PK       | Vertical |
| 2         | 2254.600    | 45.20            | 27.25               | 6.01            | -37.73   | 40.73          | 74.00          | 33.27       | PK       | Vertical |
| 3         | 3794.800    | 46.28            | 30.68               | 5.93            | -40.32   | 42.57          | 74.00          | 31.43       | PK       | Vertical |
| 4         | 7453.200    | 43.51            | 36.59               | 8.89            | -41.83   | 47.16          | 74.00          | 26.84       | PK       | Vertical |
| 5         | 12112.900   | 41.01            | 39.30               | 10.33           | -39.60   | 51.04          | 74.00          | 22.96       | PK       | Vertical |
| 6         | 15693.100   | 38.48            | 38.51               | 14.52           | -39.18   | 52.33          | 74.00          | 21.67       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5260MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

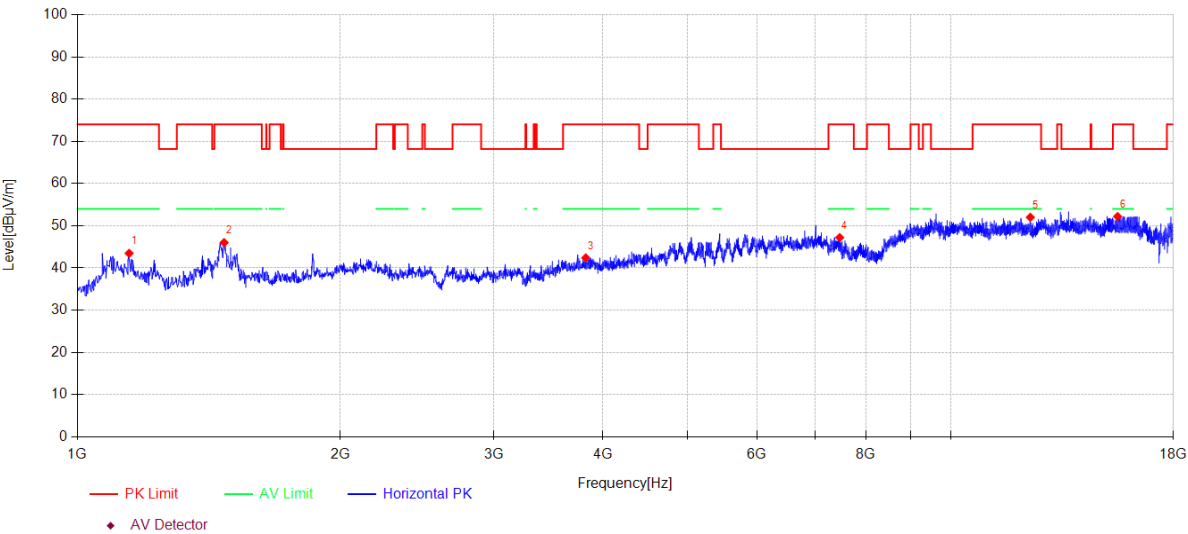
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\7

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1146.200    | 52.17            | 24.78               | 3.41            | -36.90   | 43.46          | 74.00          | 30.54       | PK       | Horizontal |
| 2         | 1472.600    | 53.07            | 25.39               | 4.49            | -36.94   | 46.01          | 74.00          | 27.99       | PK       | Horizontal |
| 3         | 3822.000    | 45.99            | 30.79               | 5.95            | -40.34   | 42.39          | 74.00          | 31.61       | PK       | Horizontal |
| 4         | 7466.800    | 43.61            | 36.57               | 8.89            | -41.87   | 47.20          | 74.00          | 26.80       | PK       | Horizontal |
| 5         | 12345.800   | 42.05            | 39.30               | 10.34           | -39.69   | 52.00          | 74.00          | 22.00       | PK       | Horizontal |
| 6         | 15540.100   | 38.79            | 38.72               | 13.75           | -39.08   | 52.18          | 74.00          | 21.82       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5260MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

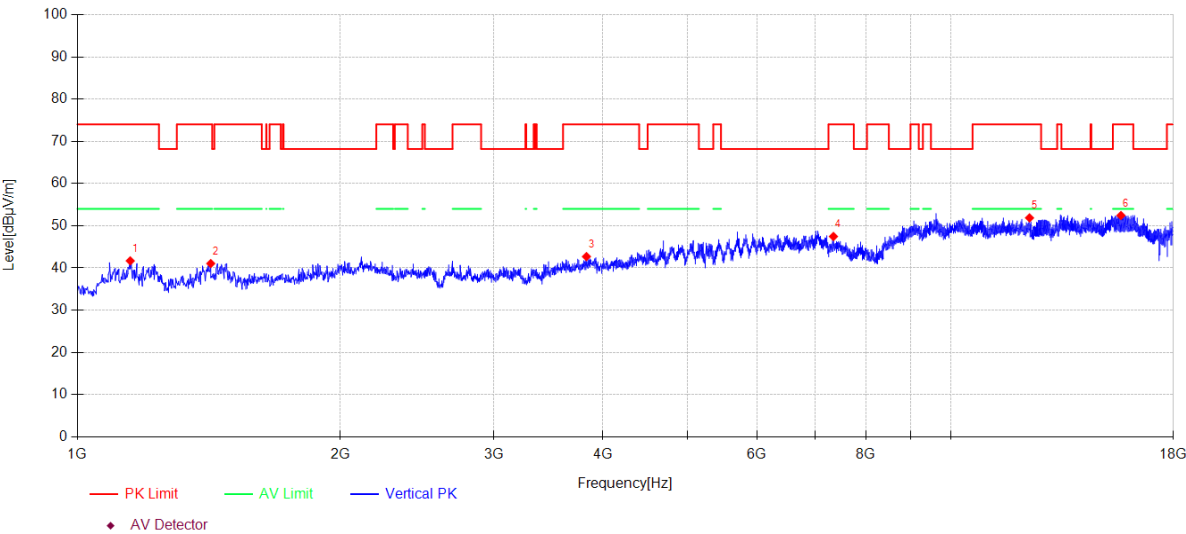
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\8

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1149.600    | 50.36            | 24.80               | 3.42            | -36.90   | 41.68          | 74.00          | 32.32       | PK       | Vertical |
| 2         | 1421.600    | 48.47            | 25.19               | 4.32            | -36.93   | 41.05          | 74.00          | 32.95       | PK       | Vertical |
| 3         | 3828.800    | 46.26            | 30.82               | 5.96            | -40.35   | 42.69          | 74.00          | 31.31       | PK       | Vertical |
| 4         | 7344.400    | 43.31            | 36.81               | 8.90            | -41.56   | 47.46          | 74.00          | 26.54       | PK       | Vertical |
| 5         | 12318.600   | 41.90            | 39.30               | 10.34           | -39.68   | 51.86          | 74.00          | 22.14       | PK       | Vertical |
| 6         | 15677.800   | 38.63            | 38.52               | 14.45           | -39.17   | 52.43          | 74.00          | 21.57       | PK       | Vertical |

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5300MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

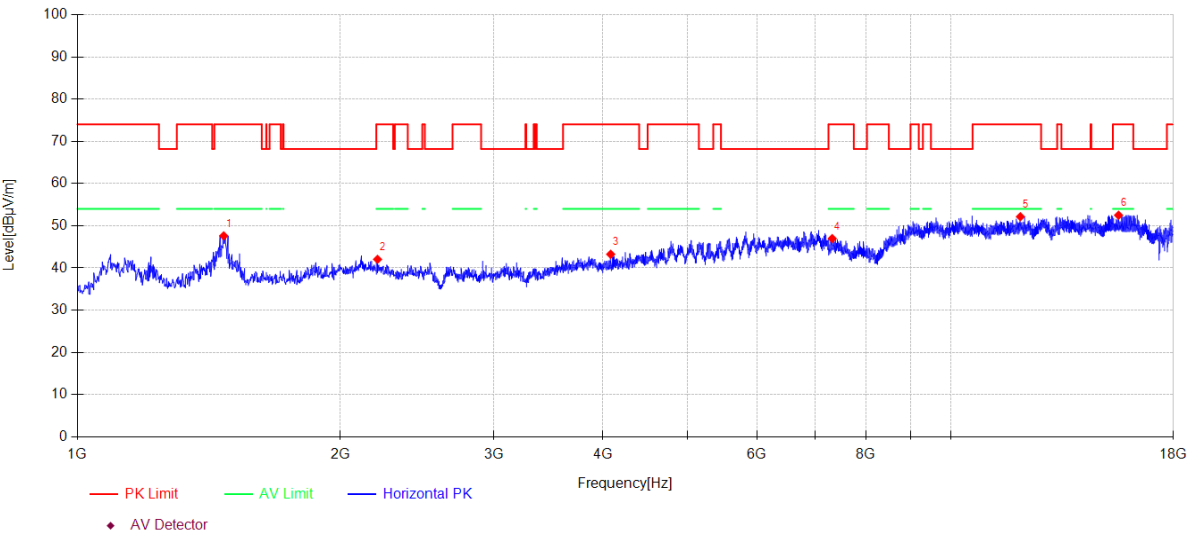
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\9

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1470.900    | 54.68            | 25.38               | 4.48            | -36.94   | 47.60          | 74.00          | 26.40       | PK       | Horizontal |
| 2         | 2207.000    | 45.86            | 27.73               | 6.05            | -37.60   | 42.04          | 74.00          | 31.96       | PK       | Horizontal |
| 3         | 4082.100    | 46.36            | 31.06               | 6.24            | -40.42   | 43.24          | 74.00          | 30.76       | PK       | Horizontal |
| 4         | 7320.600    | 42.69            | 36.86               | 8.91            | -41.50   | 46.96          | 74.00          | 27.04       | PK       | Horizontal |
| 5         | 12026.200   | 42.16            | 39.23               | 10.32           | -39.57   | 52.14          | 74.00          | 21.86       | PK       | Horizontal |
| 6         | 15579.200   | 39.01            | 38.64               | 13.95           | -39.11   | 52.49          | 74.00          | 21.51       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5300MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

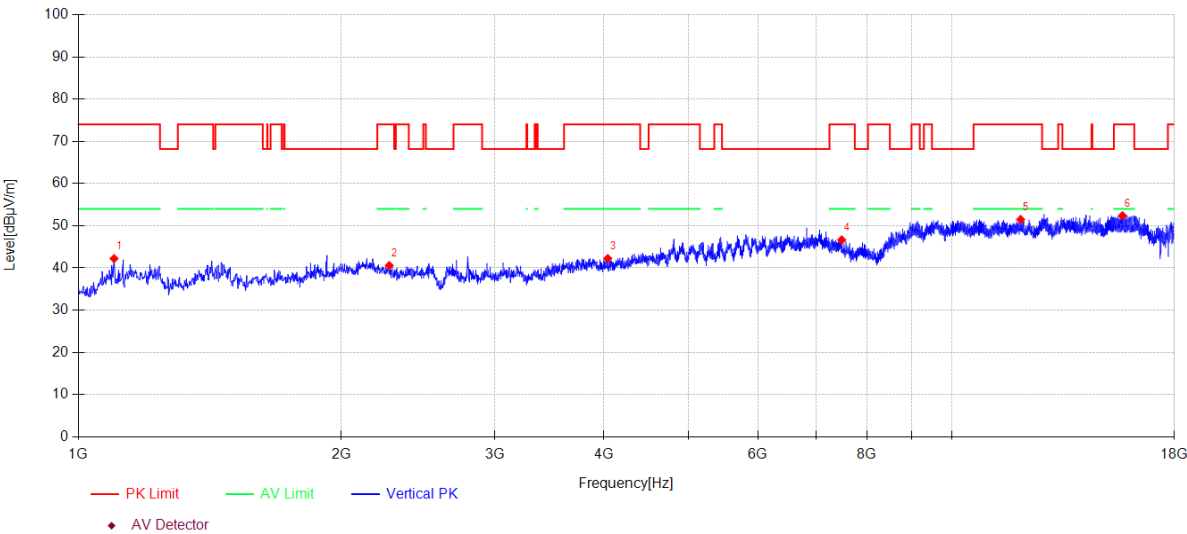
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\10

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1098.600    | 51.35            | 24.50               | 3.26            | -36.89   | 42.22          | 74.00          | 31.78       | PK       | Vertical |
| 2         | 2269.900    | 45.25            | 27.10               | 5.99            | -37.77   | 40.57          | 74.00          | 33.43       | PK       | Vertical |
| 3         | 4039.600    | 45.53            | 30.98               | 6.16            | -40.44   | 42.23          | 74.00          | 31.77       | PK       | Vertical |
| 4         | 7487.200    | 43.16            | 36.53               | 8.88            | -41.92   | 46.65          | 74.00          | 27.35       | PK       | Vertical |
| 5         | 12002.400   | 41.52            | 39.20               | 10.32           | -39.56   | 51.48          | 74.00          | 22.52       | PK       | Vertical |
| 6         | 15698.200   | 38.51            | 38.50               | 14.55           | -39.18   | 52.38          | 74.00          | 21.62       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5320MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

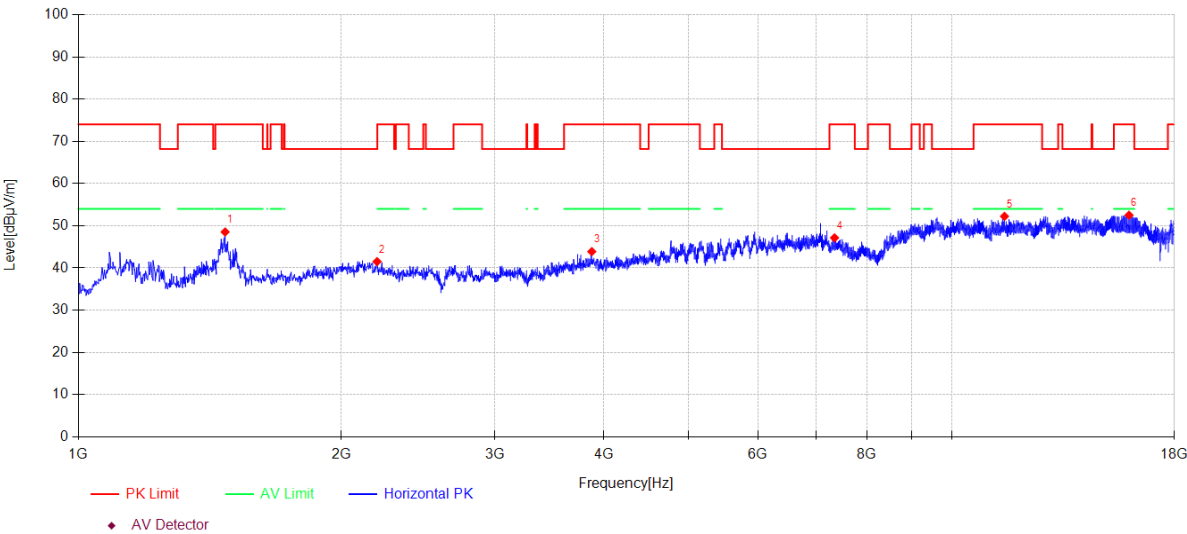
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\11

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1472.600    | 55.59            | 25.39               | 4.49            | -36.94   | 48.53          | 74.00          | 25.47       | PK       | Horizontal |
| 2         | 2198.500    | 45.23            | 27.79               | 6.06            | -37.57   | 41.51          | 68.20          | 26.69       | PK       | Horizontal |
| 3         | 3873.000    | 47.22            | 31.04               | 5.99            | -40.37   | 43.88          | 74.00          | 30.12       | PK       | Horizontal |
| 4         | 7347.800    | 43.01            | 36.80               | 8.90            | -41.57   | 47.14          | 74.00          | 26.86       | PK       | Horizontal |
| 5         | 11500.900   | 42.43            | 39.20               | 9.92            | -39.33   | 52.22          | 74.00          | 21.78       | PK       | Horizontal |
| 6         | 15971.900   | 37.88            | 38.03               | 15.93           | -39.34   | 52.50          | 74.00          | 21.50       | PK       | Horizontal |

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5320MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

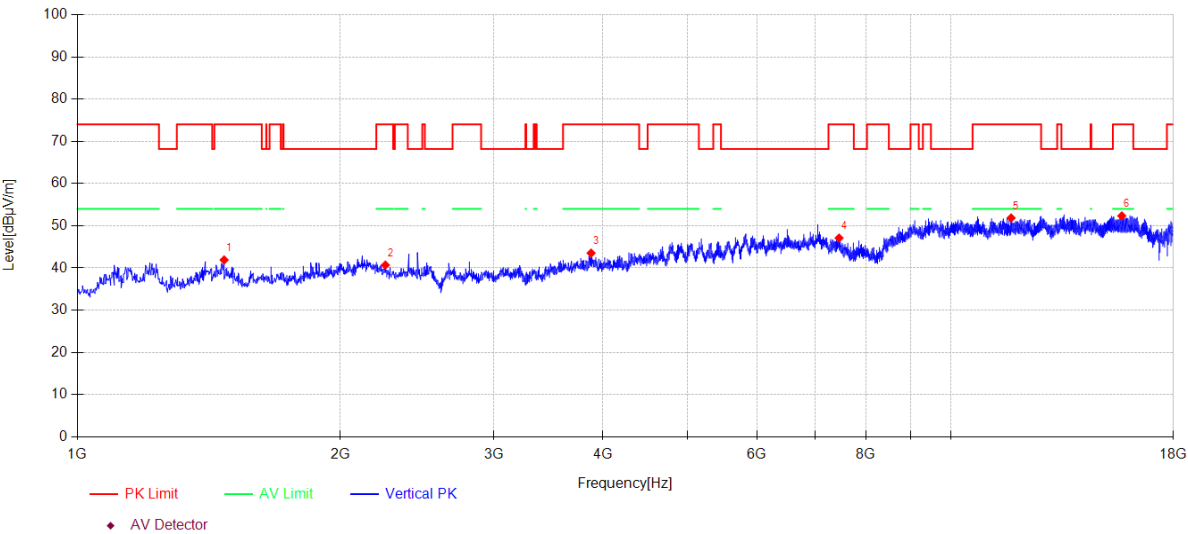
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\12

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1472.600    | 48.96            | 25.39               | 4.49            | -36.94   | 41.90          | 74.00          | 32.10       | PK       | Vertical |
| 2         | 2252.900    | 45.13            | 27.27               | 6.01            | -37.73   | 40.68          | 74.00          | 33.32       | PK       | Vertical |
| 3         | 3876.400    | 46.84            | 31.06               | 5.99            | -40.37   | 43.52          | 74.00          | 30.48       | PK       | Vertical |
| 4         | 7454.900    | 43.45            | 36.59               | 8.89            | -41.84   | 47.09          | 74.00          | 26.91       | PK       | Vertical |
| 5         | 11735.500   | 42.21            | 38.96               | 10.11           | -39.44   | 51.84          | 74.00          | 22.16       | PK       | Vertical |
| 6         | 15711.800   | 38.42            | 38.48               | 14.62           | -39.19   | 52.33          | 74.00          | 21.67       | PK       | Vertical |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5500MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

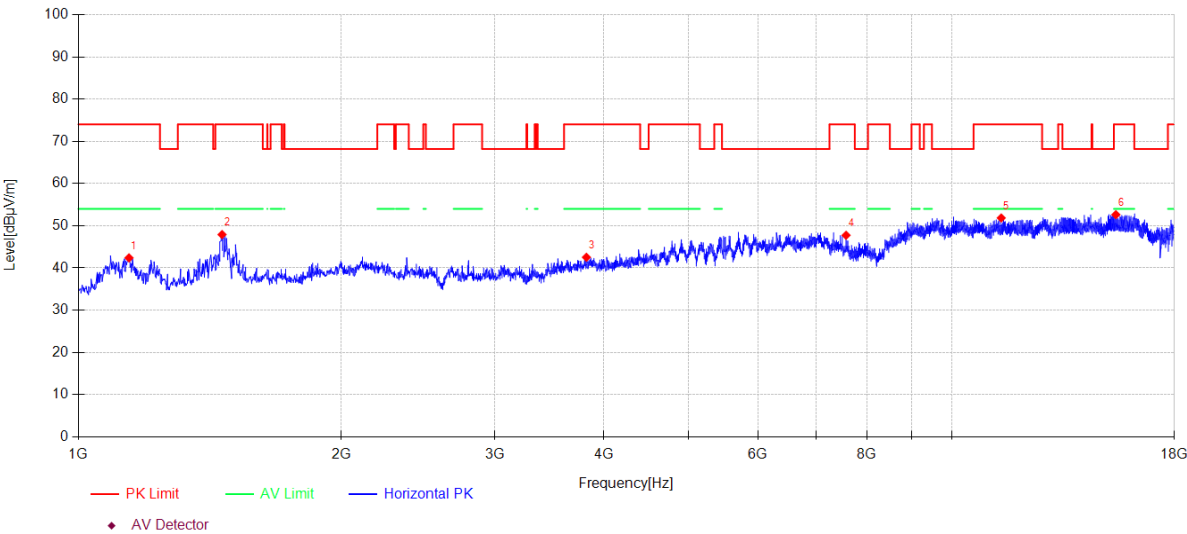
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\13

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1142.800    | 51.13            | 24.76               | 3.40            | -36.90   | 42.39          | 74.00          | 31.61       | PK       | Horizontal |
| 2         | 1460.700    | 55.06            | 25.34               | 4.45            | -36.94   | 47.91          | 74.00          | 26.09       | PK       | Horizontal |
| 3         | 3818.600    | 46.15            | 30.77               | 5.95            | -40.34   | 42.53          | 74.00          | 31.47       | PK       | Horizontal |
| 4         | 7573.900    | 44.55            | 36.45               | 8.87            | -42.13   | 47.74          | 74.00          | 26.26       | PK       | Horizontal |
| 5         | 11404.000   | 41.98            | 39.30               | 9.84            | -39.28   | 51.84          | 74.00          | 22.16       | PK       | Horizontal |
| 6         | 15429.600   | 39.50            | 38.94               | 13.20           | -39.02   | 52.62          | 74.00          | 21.38       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5500MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

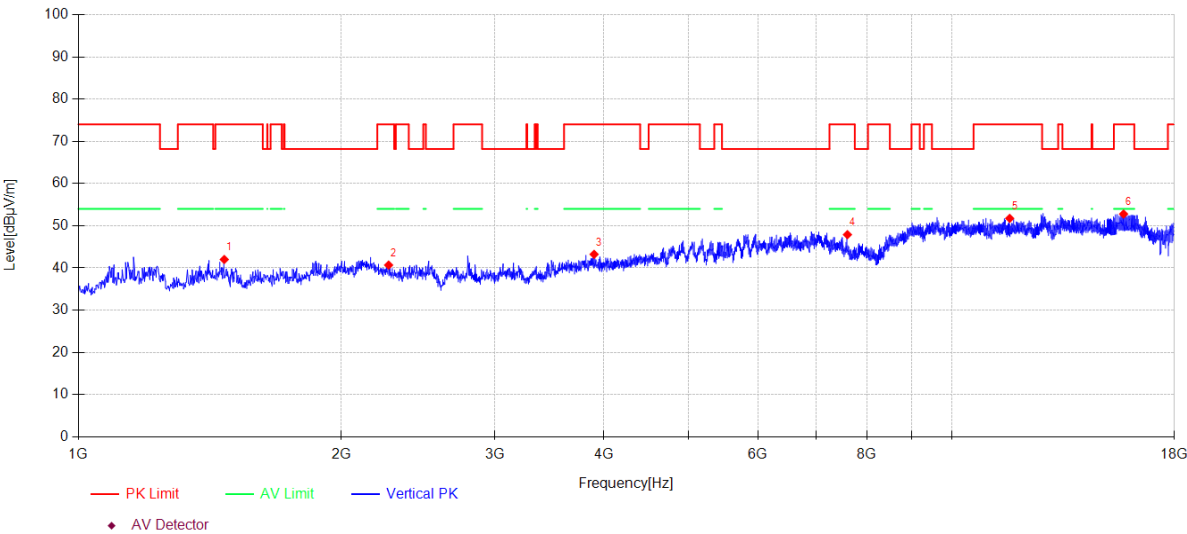
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\14

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1469.200    | 49.09            | 25.38               | 4.48            | -36.94   | 42.01          | 74.00          | 31.99       | PK       | Vertical |
| 2         | 2266.500    | 45.30            | 27.14               | 6.00            | -37.76   | 40.68          | 74.00          | 33.32       | PK       | Vertical |
| 3         | 3896.800    | 46.43            | 31.18               | 6.00            | -40.39   | 43.22          | 74.00          | 30.78       | PK       | Vertical |
| 4         | 7601.100    | 44.73            | 36.50               | 8.86            | -42.20   | 47.89          | 74.00          | 26.11       | PK       | Vertical |
| 5         | 11660.700   | 42.09            | 39.00               | 10.05           | -39.40   | 51.74          | 74.00          | 22.26       | PK       | Vertical |
| 6         | 15745.800   | 38.78            | 38.41               | 14.79           | -39.21   | 52.77          | 74.00          | 21.23       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5580MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

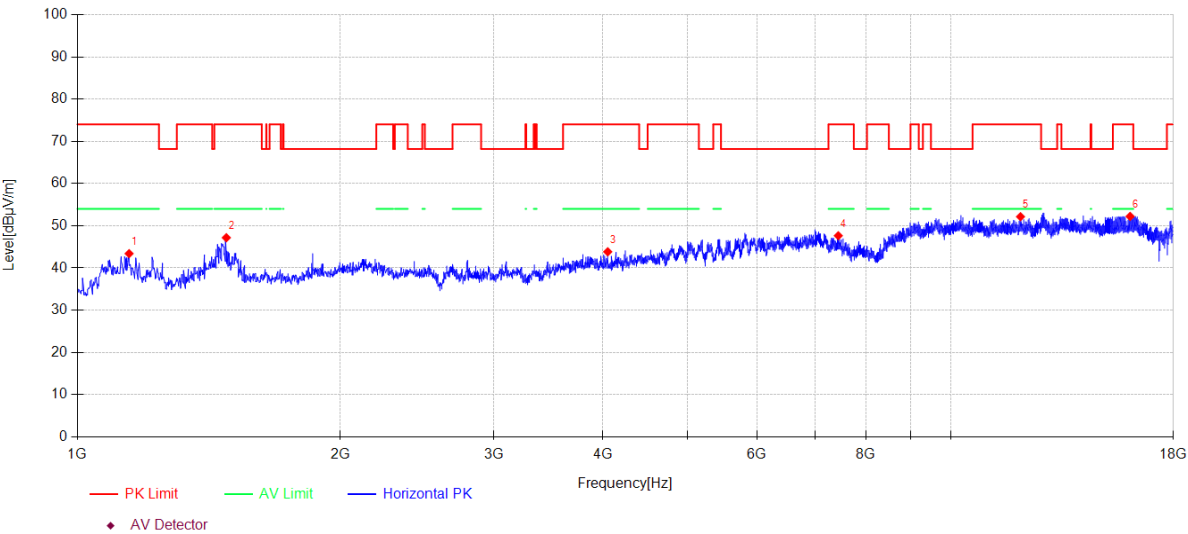
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Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1146.200    | 52.10            | 24.78               | 3.41            | -36.90   | 43.39          | 74.00          | 30.61       | PK       | Horizontal |
| 2         | 1481.100    | 54.17            | 25.42               | 4.52            | -36.94   | 47.17          | 74.00          | 26.83       | PK       | Horizontal |
| 3         | 4049.800    | 47.08            | 31.00               | 6.18            | -40.43   | 43.83          | 74.00          | 30.17       | PK       | Horizontal |
| 4         | 7439.600    | 43.93            | 36.62               | 8.89            | -41.80   | 47.64          | 74.00          | 26.36       | PK       | Horizontal |
| 5         | 12029.600   | 42.17            | 39.23               | 10.32           | -39.57   | 52.15          | 74.00          | 21.85       | PK       | Horizontal |
| 6         | 16062.000   | 37.87            | 37.94               | 15.81           | -39.41   | 52.21          | 74.00          | 21.79       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5580MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

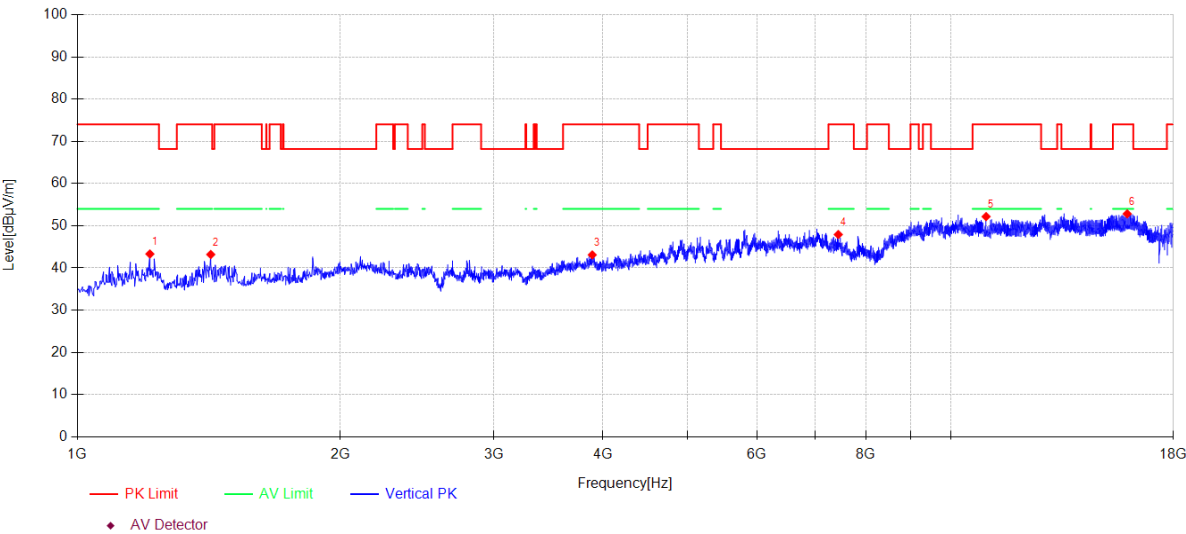
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Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1210.800    | 51.63            | 24.96               | 3.63            | -36.91   | 43.31          | 74.00          | 30.69       | PK       | Vertical |
| 2         | 1421.600    | 50.61            | 25.19               | 4.32            | -36.93   | 43.19          | 74.00          | 30.81       | PK       | Vertical |
| 3         | 3888.300    | 46.34            | 31.13               | 6.00            | -40.38   | 43.09          | 74.00          | 30.91       | PK       | Vertical |
| 4         | 7439.600    | 44.20            | 36.62               | 8.89            | -41.80   | 47.91          | 74.00          | 26.09       | PK       | Vertical |
| 5         | 10985.800   | 42.42            | 39.30               | 9.52            | -39.08   | 52.16          | 74.00          | 21.84       | PK       | Vertical |
| 6         | 15939.600   | 38.30            | 38.06               | 15.77           | -39.32   | 52.81          | 74.00          | 21.19       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5700MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

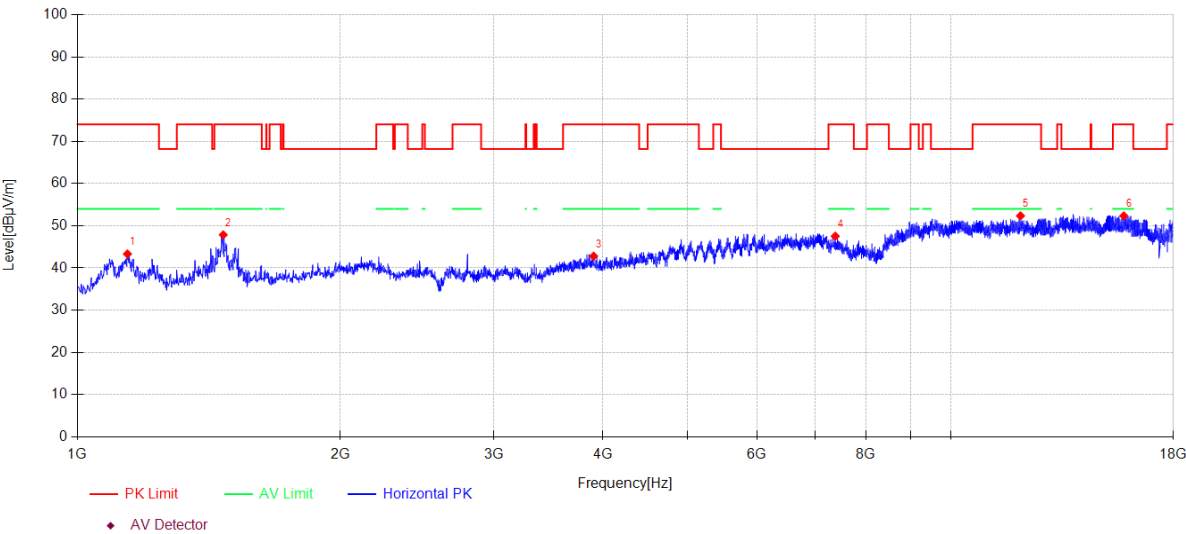
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\17

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1141.100    | 52.05            | 24.75               | 3.40            | -36.90   | 43.30          | 74.00          | 30.70       | PK       | Horizontal |
| 2         | 1469.200    | 54.93            | 25.38               | 4.48            | -36.94   | 47.85          | 74.00          | 26.15       | PK       | Horizontal |
| 3         | 3901.900    | 45.97            | 31.20               | 6.01            | -40.39   | 42.79          | 74.00          | 31.21       | PK       | Horizontal |
| 4         | 7380.100    | 43.53            | 36.74               | 8.90            | -41.65   | 47.52          | 74.00          | 26.48       | PK       | Horizontal |
| 5         | 12029.600   | 42.36            | 39.23               | 10.32           | -39.57   | 52.34          | 74.00          | 21.66       | PK       | Horizontal |
| 6         | 15798.500   | 38.22            | 38.30               | 15.05           | -39.24   | 52.33          | 74.00          | 21.67       | PK       | Horizontal |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5700MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

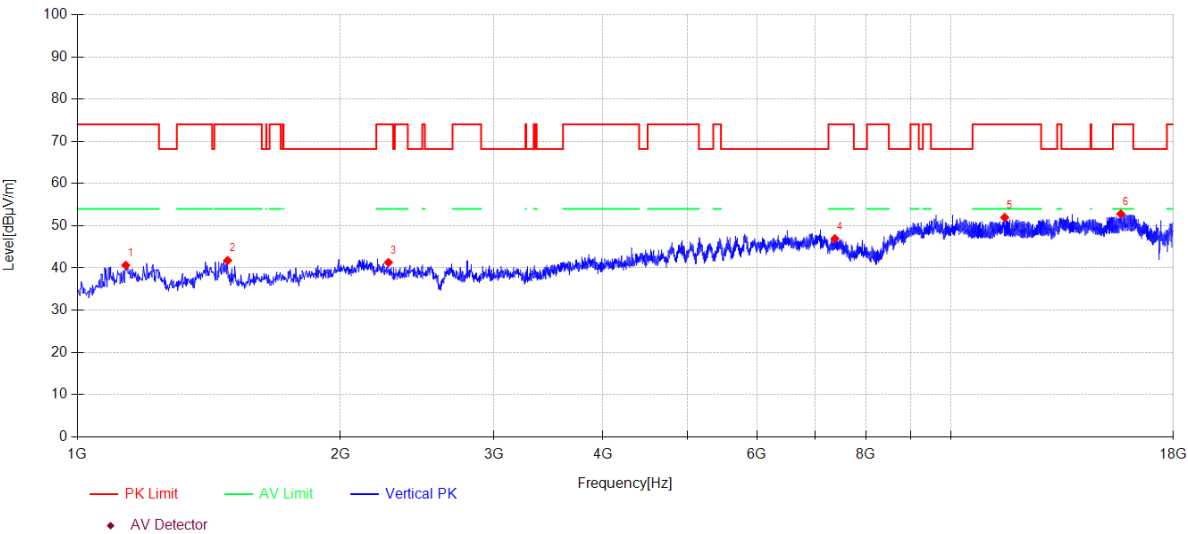
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\18

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1136.000    | 49.43            | 24.72               | 3.38            | -36.90   | 40.63          | 74.00          | 33.37       | PK       | Vertical |
| 2         | 1486.200    | 48.74            | 25.44               | 4.53            | -36.94   | 41.77          | 74.00          | 32.23       | PK       | Vertical |
| 3         | 2271.600    | 46.01            | 27.08               | 5.99            | -37.78   | 41.30          | 74.00          | 32.70       | PK       | Vertical |
| 4         | 7373.300    | 42.91            | 36.75               | 8.90            | -41.63   | 46.93          | 74.00          | 27.07       | PK       | Vertical |
| 5         | 11540.000   | 42.23            | 39.12               | 9.95            | -39.34   | 51.96          | 74.00          | 22.04       | PK       | Vertical |
| 6         | 15672.700   | 39.01            | 38.53               | 14.42           | -39.16   | 52.80          | 74.00          | 21.20       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-29

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5720MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

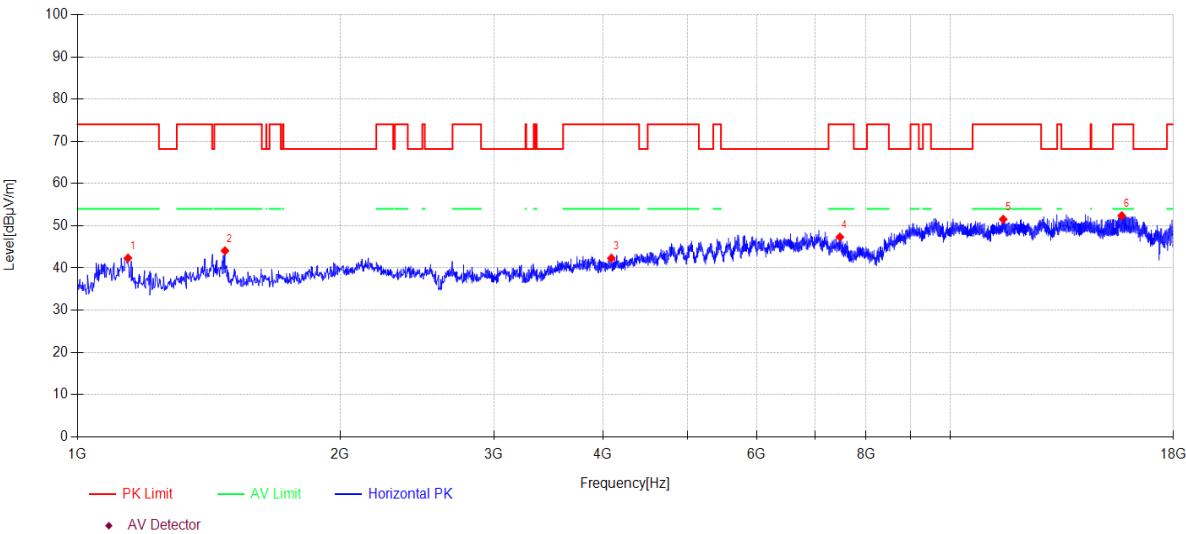
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G 5720\1

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1142.800    | 51.09            | 24.76               | 3.40            | -36.90   | 42.35          | 74.00          | 31.65       | PK       | Horizontal |
| 2         | 1476.000    | 51.10            | 25.40               | 4.50            | -36.94   | 44.06          | 74.00          | 29.94       | PK       | Horizontal |
| 3         | 4088.900    | 45.40            | 31.08               | 6.25            | -40.42   | 42.31          | 74.00          | 31.69       | PK       | Horizontal |
| 4         | 7470.200    | 43.76            | 36.56               | 8.88            | -41.88   | 47.32          | 74.00          | 26.68       | PK       | Horizontal |
| 5         | 11492.400   | 41.71            | 39.21               | 9.91            | -39.32   | 51.51          | 74.00          | 22.49       | PK       | Horizontal |
| 6         | 15710.100   | 38.47            | 38.48               | 14.61           | -39.19   | 52.37          | 74.00          | 21.63       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-29

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5720MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

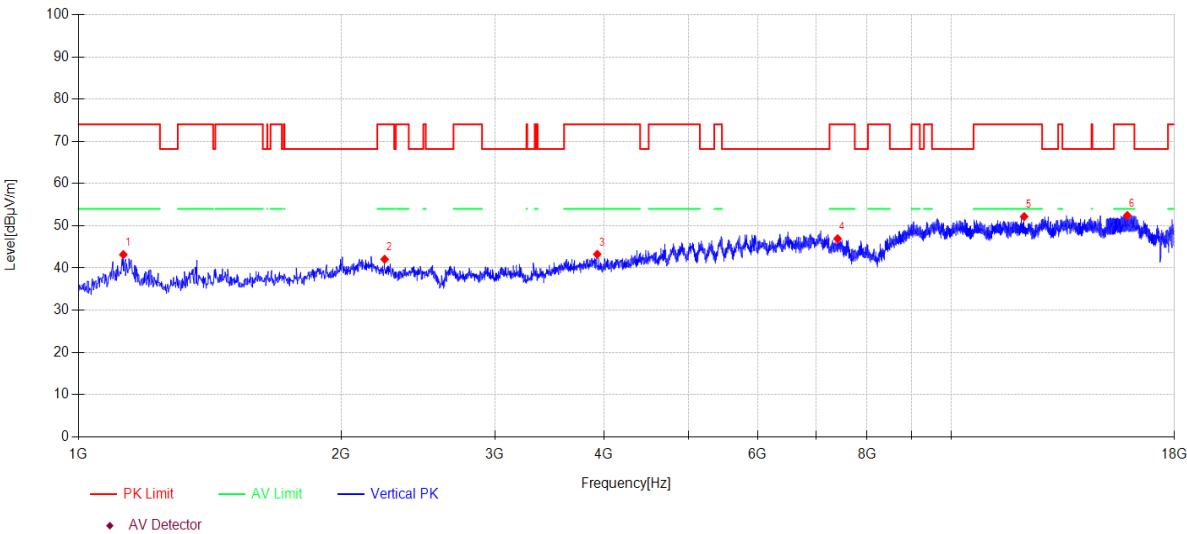
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G 5720\2

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1125.800    | 52.06            | 24.65               | 3.35            | -36.90   | 43.16          | 74.00          | 30.84       | PK       | Vertical |
| 2         | 2242.700    | 46.37            | 27.37               | 6.02            | -37.70   | 42.06          | 74.00          | 31.94       | PK       | Vertical |
| 3         | 3929.100    | 46.46            | 31.14               | 6.03            | -40.41   | 43.22          | 74.00          | 30.78       | PK       | Vertical |
| 4         | 7405.600    | 43.03            | 36.69               | 8.90            | -41.71   | 46.91          | 74.00          | 27.09       | PK       | Vertical |
| 5         | 12114.600   | 42.13            | 39.30               | 10.33           | -39.60   | 52.16          | 74.00          | 21.84       | PK       | Vertical |
| 6         | 15900.500   | 38.05            | 38.10               | 15.57           | -39.30   | 52.42          | 74.00          | 21.58       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5745MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

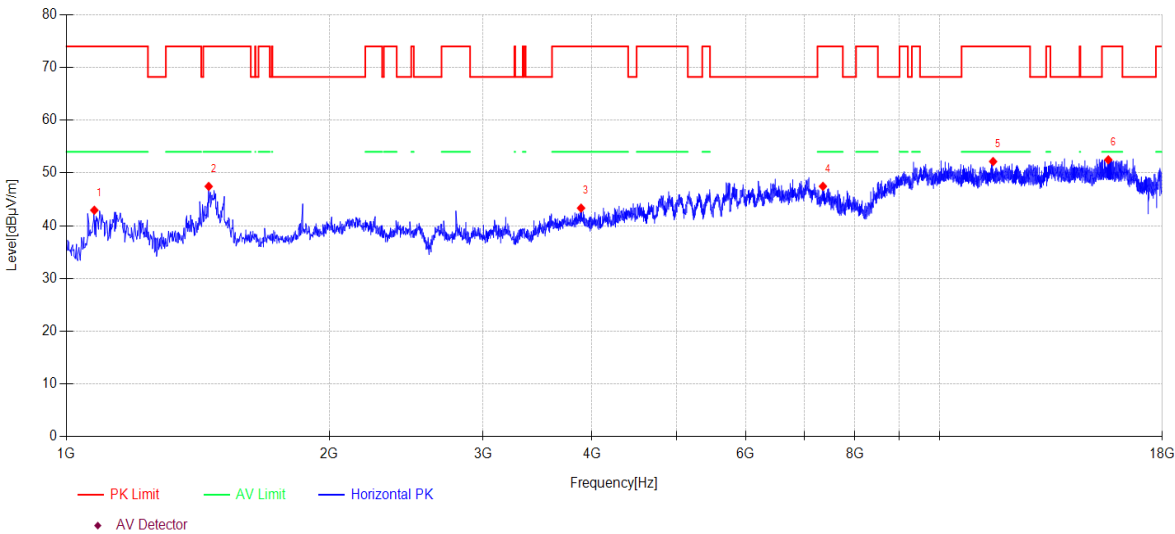
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\1

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1076.500    | 52.20            | 24.45               | 3.18            | -36.89   | 42.94          | 74.00          | 31.06       | PK       | Horizontal |
| 2         | 1455.600    | 54.64            | 25.32               | 4.43            | -36.94   | 47.45          | 74.00          | 26.55       | PK       | Horizontal |
| 3         | 3886.600    | 46.60            | 31.12               | 6.00            | -40.38   | 43.34          | 74.00          | 30.66       | PK       | Horizontal |
| 4         | 7354.600    | 43.37            | 36.79               | 8.90            | -41.59   | 47.47          | 74.00          | 26.53       | PK       | Horizontal |
| 5         | 11519.600   | 42.40            | 39.16               | 9.94            | -39.33   | 52.17          | 74.00          | 21.83       | PK       | Horizontal |
| 6         | 15608.100   | 38.93            | 38.59               | 14.09           | -39.12   | 52.49          | 74.00          | 21.51       | PK       | Horizontal |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5745MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

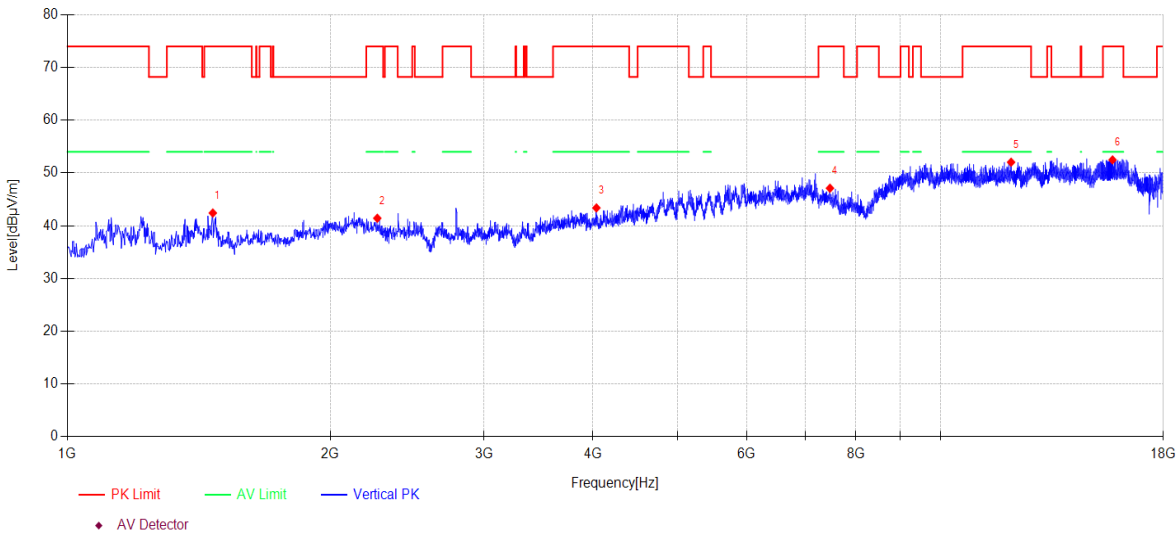
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\2

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1467.500    | 49.51            | 25.37               | 4.47            | -36.94   | 42.41          | 74.00          | 31.59       | PK       | Vertical |
| 2         | 2264.800    | 46.03            | 27.15               | 6.00            | -37.76   | 41.42          | 74.00          | 32.58       | PK       | Vertical |
| 3         | 4036.200    | 46.70            | 30.97               | 6.15            | -40.44   | 43.38          | 74.00          | 30.62       | PK       | Vertical |
| 4         | 7471.900    | 43.55            | 36.56               | 8.88            | -41.88   | 47.11          | 74.00          | 26.89       | PK       | Vertical |
| 5         | 12046.600   | 42.05            | 39.25               | 10.32           | -39.58   | 52.04          | 74.00          | 21.96       | PK       | Vertical |
| 6         | 15742.400   | 38.50            | 38.42               | 14.77           | -39.21   | 52.48          | 74.00          | 21.52       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5785MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

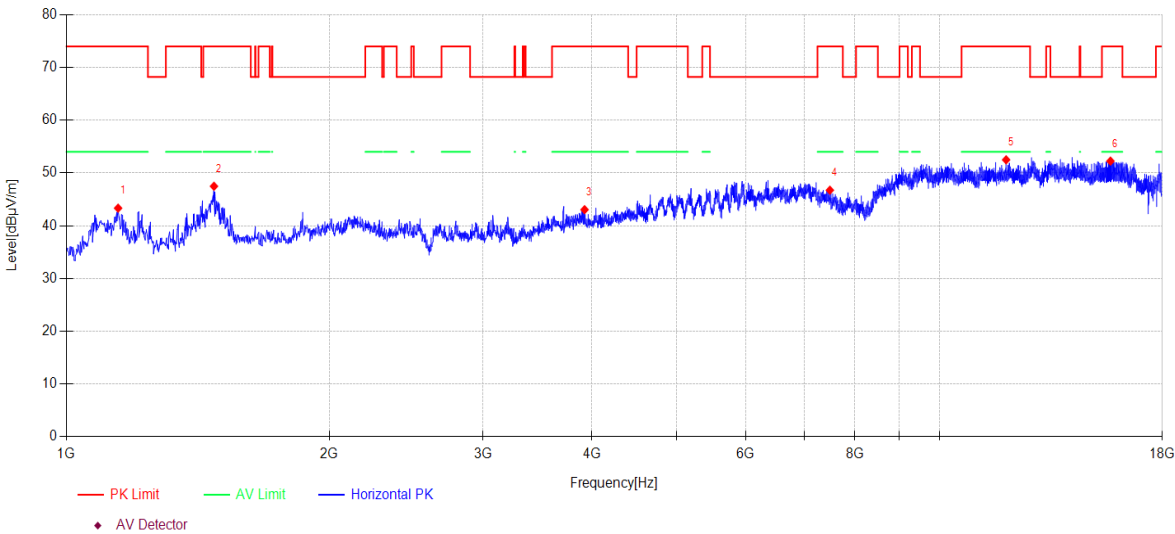
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\3

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1146.200    | 52.04            | 24.78               | 3.41            | -36.90   | 43.33          | 74.00          | 30.67       | PK       | Horizontal |
| 2         | 1476.000    | 54.52            | 25.40               | 4.50            | -36.94   | 47.48          | 74.00          | 26.52       | PK       | Horizontal |
| 3         | 3922.300    | 46.26            | 31.16               | 6.02            | -40.40   | 43.04          | 74.00          | 30.96       | PK       | Horizontal |
| 4         | 7490.600    | 43.27            | 36.52               | 8.88            | -41.93   | 46.74          | 74.00          | 27.26       | PK       | Horizontal |
| 5         | 11922.500   | 42.78            | 38.97               | 10.26           | -39.52   | 52.49          | 74.00          | 21.51       | PK       | Horizontal |
| 6         | 15698.200   | 38.38            | 38.50               | 14.55           | -39.18   | 52.25          | 74.00          | 21.75       | PK       | Horizontal |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5785MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

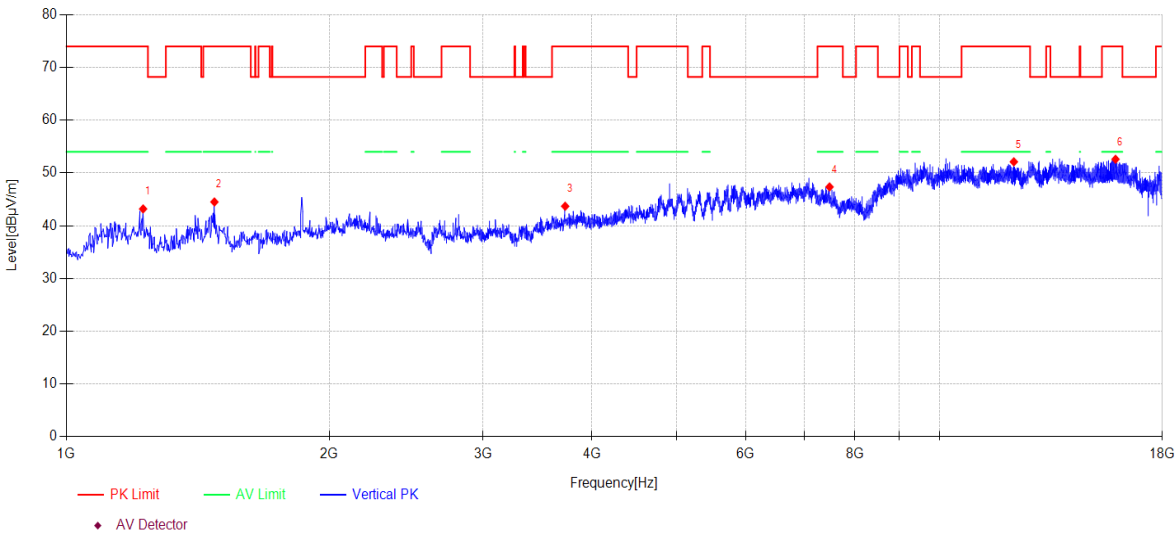
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\4

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1224.400    | 51.38            | 25.05               | 3.67            | -36.91   | 43.19          | 74.00          | 30.81       | PK       | Vertical |
| 2         | 1477.700    | 51.53            | 25.41               | 4.51            | -36.94   | 44.51          | 74.00          | 29.49       | PK       | Vertical |
| 3         | 3726.800    | 47.64            | 30.45               | 5.88            | -40.28   | 43.69          | 74.00          | 30.31       | PK       | Vertical |
| 4         | 7483.800    | 43.86            | 36.53               | 8.88            | -41.91   | 47.36          | 74.00          | 26.64       | PK       | Vertical |
| 5         | 12167.300   | 42.11            | 39.30               | 10.33           | -39.63   | 52.11          | 74.00          | 21.89       | PK       | Vertical |
| 6         | 15909.000   | 38.21            | 38.09               | 15.61           | -39.31   | 52.60          | 74.00          | 21.40       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5825MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

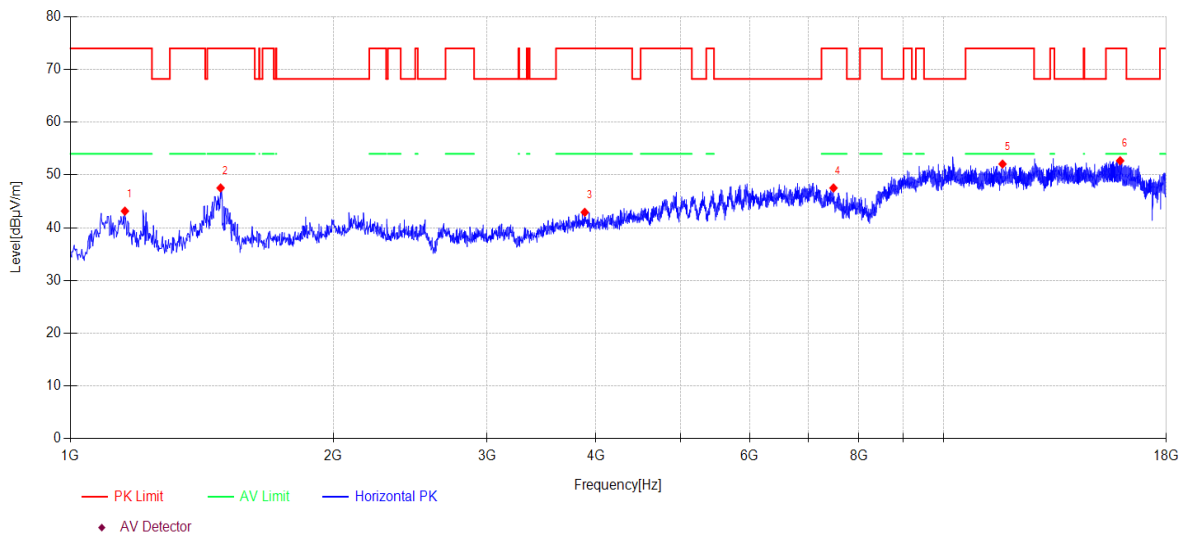
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\5

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 1154.700    | 51.80            | 24.81               | 3.44            | -36.90   | 43.15          | 74.00          | 30.85       | PK       | Horizontal |
| 2         | 1486.200    | 54.51            | 25.44               | 4.53            | -36.94   | 47.54          | 74.00          | 26.46       | PK       | Horizontal |
| 3         | 3883.200    | 46.21            | 31.10               | 5.99            | -40.38   | 42.92          | 74.00          | 31.08       | PK       | Horizontal |
| 4         | 7482.100    | 44.02            | 36.54               | 8.88            | -41.91   | 47.53          | 74.00          | 26.47       | PK       | Horizontal |
| 5         | 11686.200   | 42.41            | 39.00               | 10.07           | -39.41   | 52.07          | 74.00          | 21.93       | PK       | Horizontal |
| 6         | 15934.500   | 38.20            | 38.07               | 15.74           | -39.32   | 52.69          | 74.00          | 21.31       | PK       | Horizontal |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5825MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

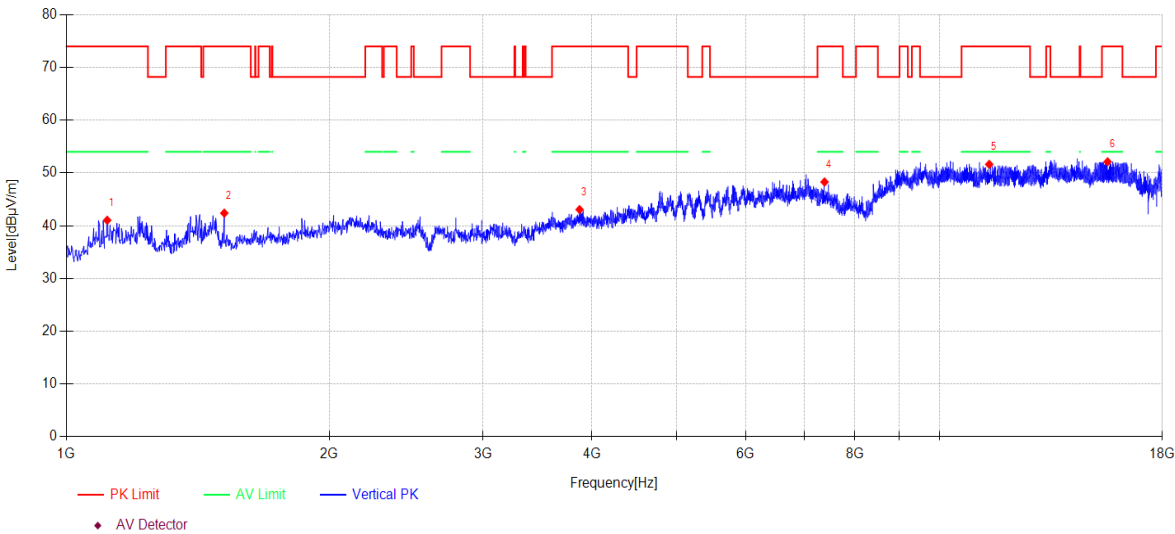
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\6

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 1113.900    | 50.04            | 24.58               | 3.31            | -36.89   | 41.04          | 74.00          | 32.96       | PK       | Vertical |
| 2         | 1516.800    | 49.44            | 25.26               | 4.64            | -36.95   | 42.39          | 74.00          | 31.61       | PK       | Vertical |
| 3         | 3871.300    | 46.41            | 31.03               | 5.99            | -40.37   | 43.06          | 74.00          | 30.94       | PK       | Vertical |
| 4         | 7385.200    | 44.32            | 36.73               | 8.90            | -41.66   | 48.29          | 74.00          | 25.71       | PK       | Vertical |
| 5         | 11402.300   | 41.77            | 39.30               | 9.84            | -39.28   | 51.63          | 74.00          | 22.37       | PK       | Vertical |
| 6         | 15580.900   | 38.63            | 38.64               | 13.96           | -39.11   | 52.12          | 74.00          | 21.88       | PK       | Vertical |

Note:

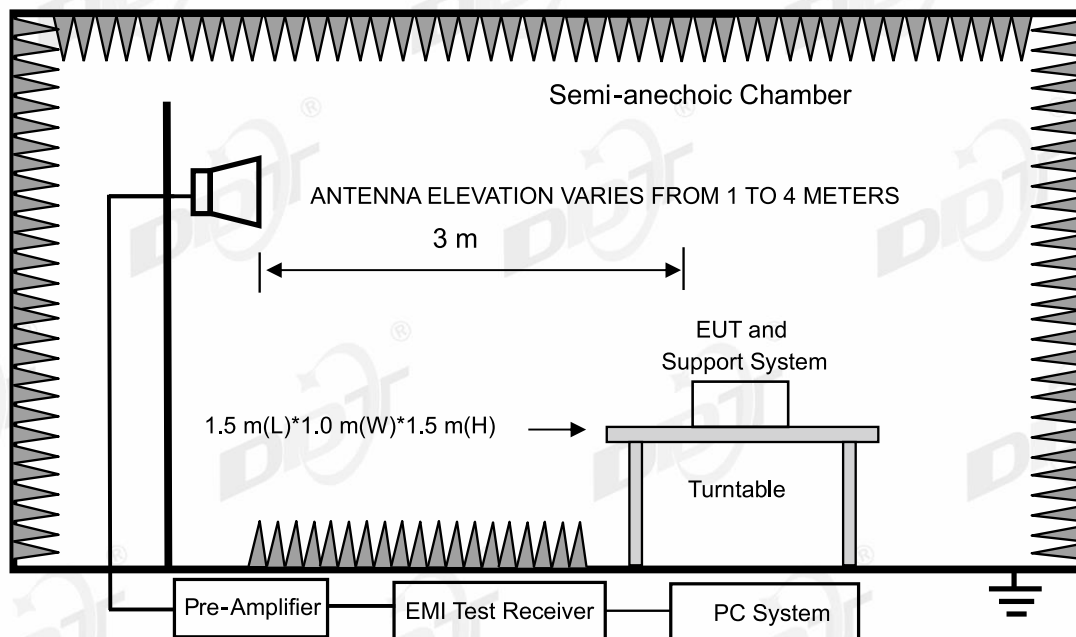
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## 14.Band Edge Compliance

### 14.1. Test equipment

| Equipment                                  | Manufacturer                   | Model No.              | Serial No.  | Cal Due To |
|--------------------------------------------|--------------------------------|------------------------|-------------|------------|
| Pre-amplifier                              | COM-POWER                      | PAM-840A               | DDT-ZC01693 | 2025/04/01 |
| Micro-Tronics filters                      | REBES                          | BRM50716               | DDT-ZC03240 | /          |
| ELECTRIC AND<br>MAGNETIC FIELD<br>ANALYZER | Narda                          | EHP-200A               | DDT-ZC01401 | 2024/09/20 |
| High Pass filter                           | XIANXINGBO                     | XBLBQ-GTA67            | DDT-ZC02179 | 2024/05/14 |
| RF cable                                   | Yuhu<br>Technology             | JCTB810-NJ-NJ-<br>9M   | DDT-ZC02538 | 2025/04/01 |
| Active Loop Antenna                        | Schwarzbeck                    | FMZB1519               | DDT-ZC00524 | 2025/09/10 |
| Broad-Band Horn<br>Antenna                 | Schwarzbeck                    | BBHA 9170              | DDT-ZC00506 | 2025/04/25 |
| RF Cable                                   | N/A                            | W13.02 AP1-X2          | DDT-ZC04023 | 2025/04/01 |
| High pass filter                           | Micro-Tronics                  | HPM50108               | DDT-ZC00560 | 2024/05/14 |
| PSA Series Spectrum<br>Analyzer            | Agilent                        | E4447A                 | DDT-ZC00517 | 2025/04/01 |
| RF cable                                   | Yuhu<br>Technology             | ZT26S-SMAJ-<br>SMAJ-1M | DDT-ZC02037 | 2025/04/01 |
| Hochgewinn-<br>Hornantenne                 | Schwarzbeck<br>Mess-Elektronik | BBHA 9120 D            | DDT-ZC02129 | 2025/09/17 |
| High pass filter                           | Micro-Tronics                  | HPM50102               | DDT-ZC00561 | 2024/05/14 |
| Micro-Tronics filters                      | REBES                          | BRM50702               | DDT-ZC03242 | /          |
| RF Cable                                   | N/A                            | W24.02 HL-562          | DDT-ZC04022 | 2025/04/01 |
| Trilog Broadband<br>Antenna                | Schwarzbeck                    | VULB 9163              | DDT-ZC02050 | 2024/07/11 |
| Pre-amplifier                              | COM-POWER                      | PAM-118A               | DDT-ZC01293 | 2024/07/14 |
| RF cable                                   | Zhongke<br>Junchuang           | JCT26S-NJ-NJ-<br>1.5M  | DDT-ZC02762 | 2025/04/01 |
| EMI TEST RECEIVER                          | R&S                            | ESU26                  | DDT-ZC01909 | 2025/04/01 |

## 14.2. Block diagram of test setup



## 14.3. Limits

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (4) For transmitters operating solely in the 5.725-5.850 GHz band:  
All emissions shall be limited to a level of  $-27$  dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

## 14.4. Assistant equipment used for test

| Assistant equipment | Manufacturer | Model number | Description                                                     | other |
|---------------------|--------------|--------------|-----------------------------------------------------------------|-------|
| AC Adapter          | HUAWEI       | HW-050450C00 | Input: 100-240V~50/60Hz,<br>Output: 5V/2A or 4.5V/5A or 5V/4.5A | N/A   |

## 14.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.15-5.25 GHz, 5250-5350 GHz, 5470-5725 GHz, 5.725-5.85 GHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

#### 14.6. Test result

##### **PASS. (See below detailed test result)**

Note: As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz. However, out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit

14.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11A TX 5180MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

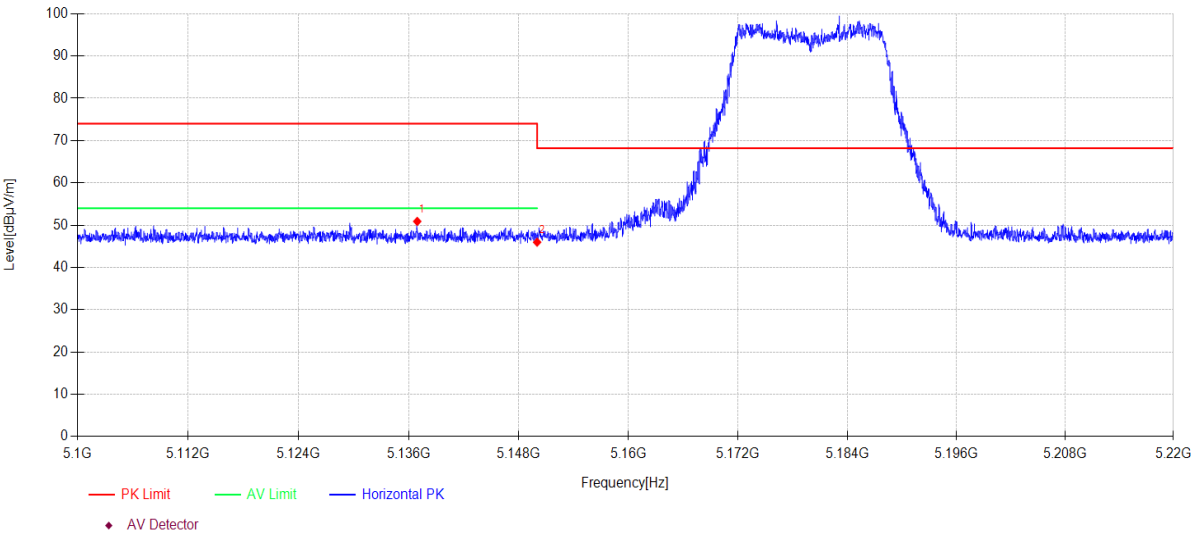
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\19

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5136.912    | 11.91            | 33.40               | 5.58            | 0.00     | 50.89          | 74.00          | 23.11       | PK       | Horizontal |
| 2         | 5150.000    | 6.98             | 33.40               | 5.59            | 0.00     | 45.97          | 68.20          | 22.23       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11A TX 5180MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

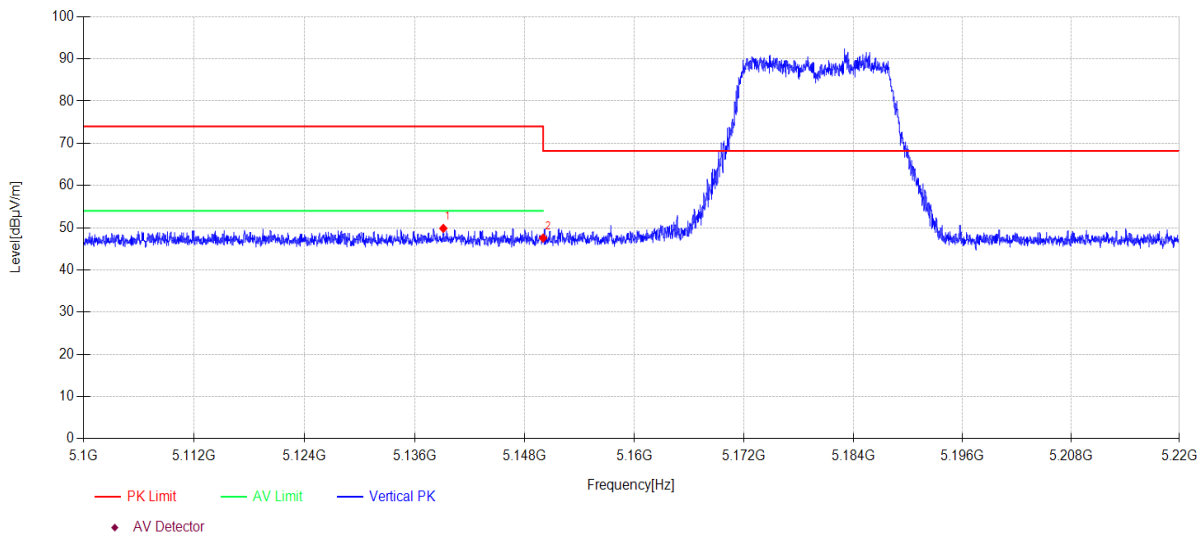
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\20

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5139.108    | 10.87            | 33.40               | 5.58            | 0.00     | 49.85          | 74.00          | 24.15       | PK       | Vertical |
| 2         | 5150.000    | 8.57             | 33.40               | 5.59            | 0.00     | 47.56          | 68.20          | 20.64       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11N20 TX 5180MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

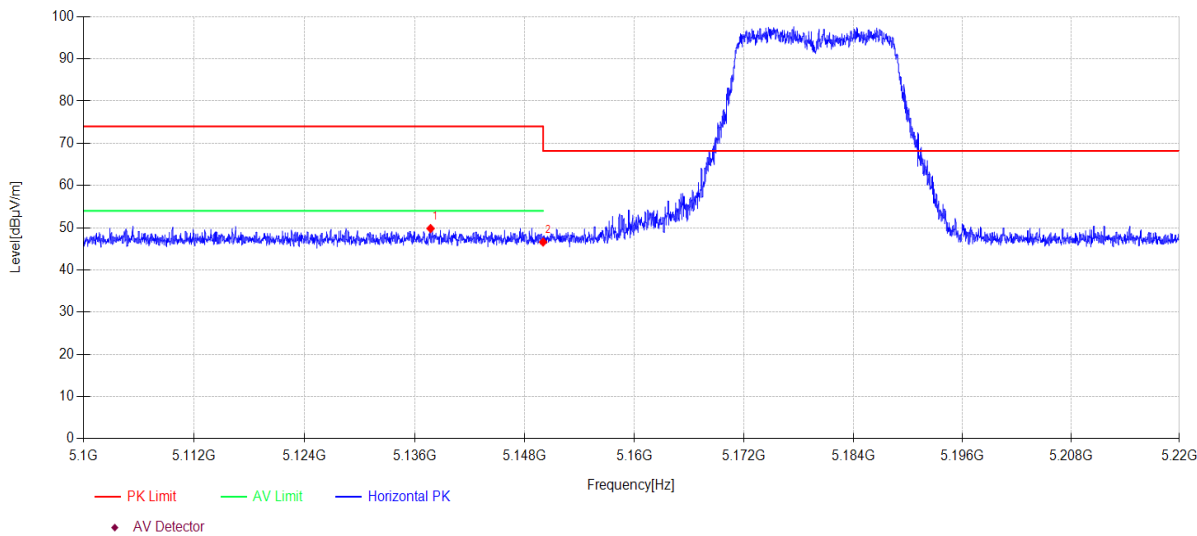
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\21

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5137.716    | 10.83            | 33.40               | 5.58            | 0.00     | 49.81          | 74.00          | 24.19       | PK       | Horizontal |
| 2         | 5150.000    | 7.62             | 33.40               | 5.59            | 0.00     | 46.61          | 68.20          | 21.59       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11N20 TX 5180MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

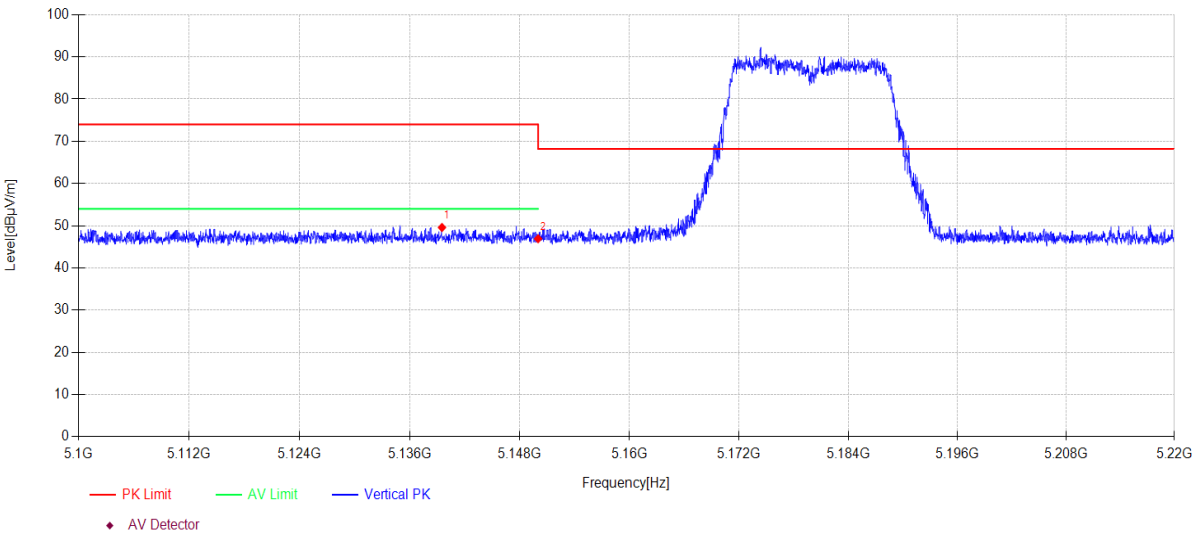
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\22

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5139.504    | 10.60            | 33.40               | 5.58            | 0.00     | 49.58          | 74.00          | 24.42       | PK       | Vertical |
| 2         | 5150.000    | 7.93             | 33.40               | 5.59            | 0.00     | 46.92          | 68.20          | 21.28       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5180MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

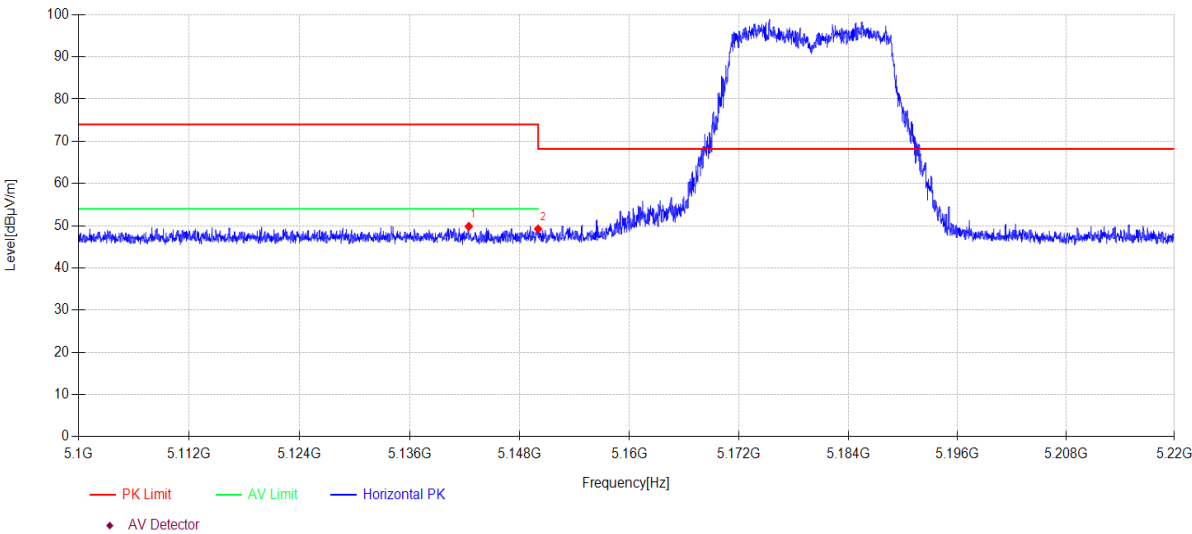
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\23

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5142.432    | 10.86            | 33.40               | 5.58            | 0.00     | 49.84          | 74.00          | 24.16       | PK       | Horizontal |
| 2         | 5150.000    | 10.24            | 33.40               | 5.59            | 0.00     | 49.23          | 68.20          | 18.97       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5180MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

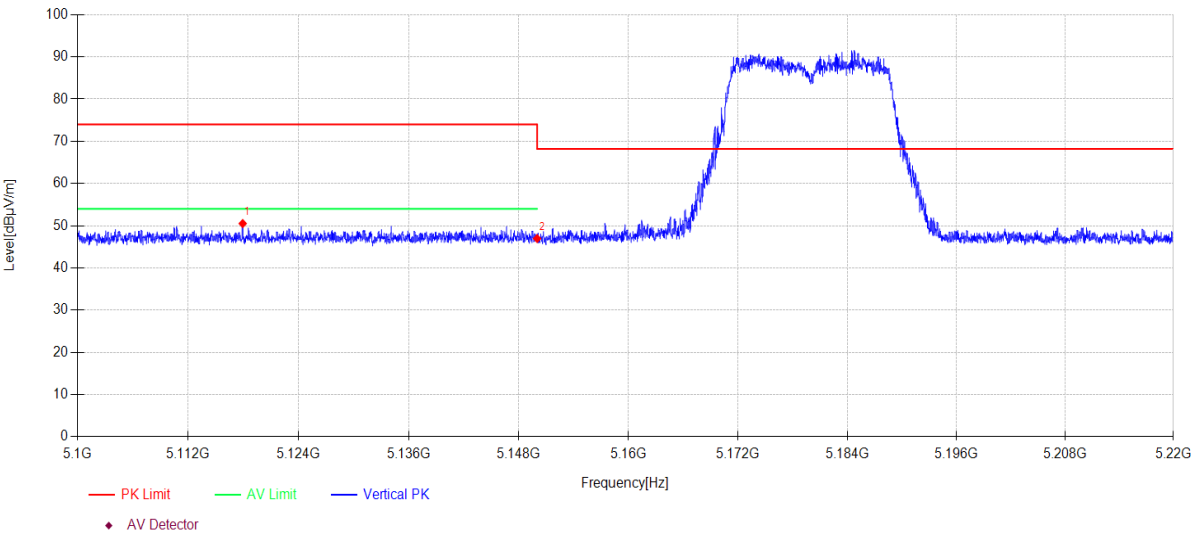
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\24

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5117.928    | 11.55            | 33.40               | 5.57            | 0.00     | 50.52          | 74.00          | 23.48       | PK       | Vertical |
| 2         | 5150.000    | 7.97             | 33.40               | 5.59            | 0.00     | 46.96          | 68.20          | 21.24       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11N40 TX 5190MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

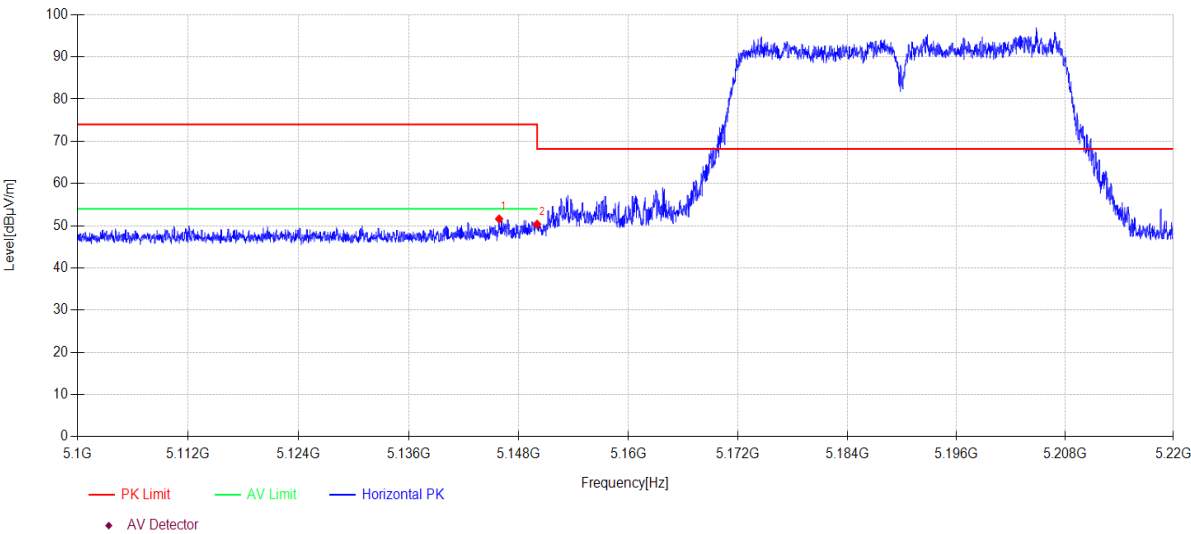
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\25

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5145.852    | 12.63            | 33.40               | 5.58            | 0.00     | 51.61          | 74.00          | 22.39       | PK       | Horizontal |
| 2         | 5150.000    | 11.38            | 33.40               | 5.59            | 0.00     | 50.37          | 68.20          | 17.83       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11N40 TX 5190MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

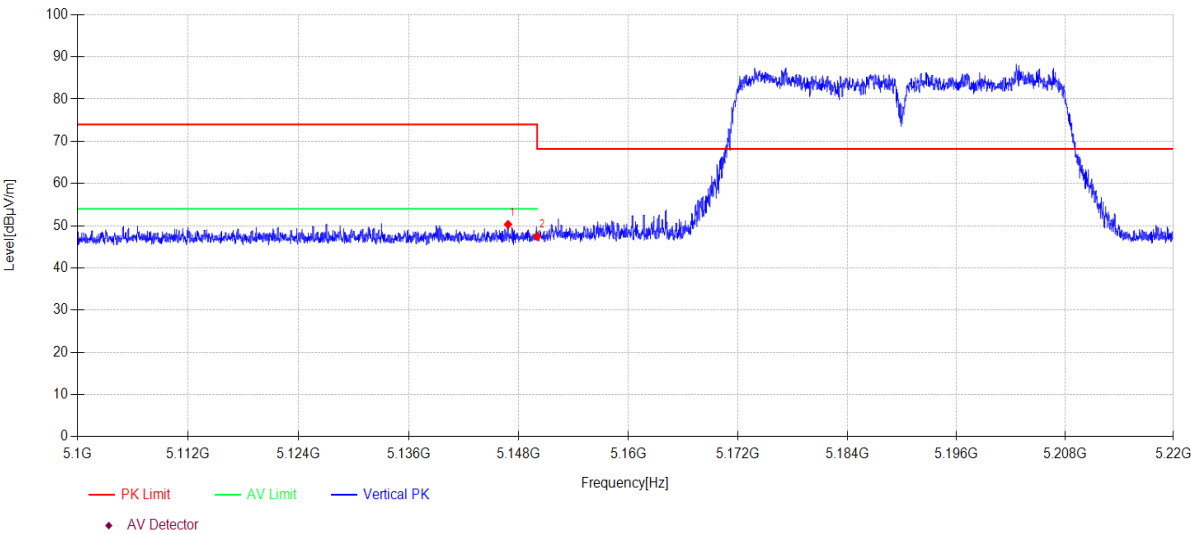
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\26

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5146.824    | 11.32            | 33.40               | 5.58            | 0.00     | 50.30          | 74.00          | 23.70       | PK       | Vertical |
| 2         | 5150.000    | 8.45             | 33.40               | 5.59            | 0.00     | 47.44          | 68.20          | 20.76       | PK       | Vertical |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC40 TX 5190MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

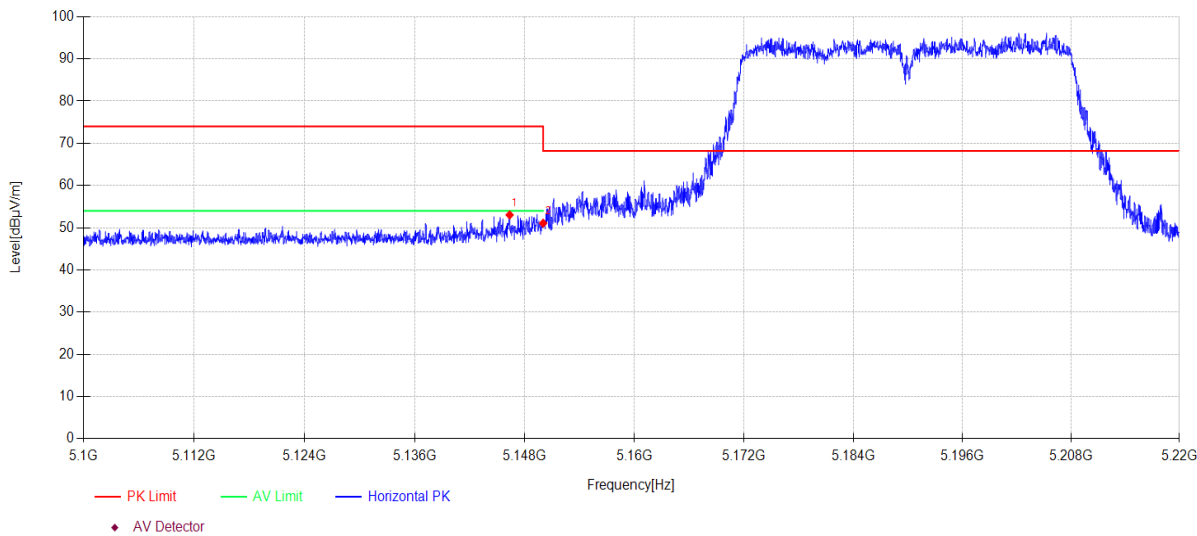
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\27

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5146.344    | 14.05            | 33.40               | 5.58            | 0.00     | 53.03          | 74.00          | 20.97       | PK       | Horizontal |
| 2         | 5150.000    | 12.08            | 33.40               | 5.59            | 0.00     | 51.07          | 68.20          | 17.13       | PK       | Horizontal |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC40 TX 5190MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

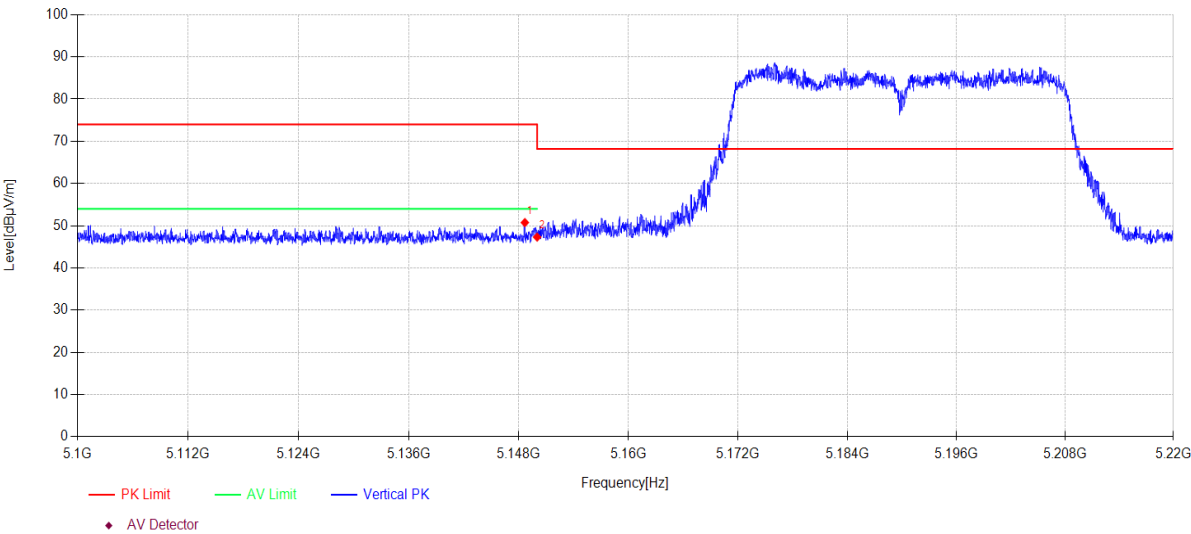
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\28

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5148.660    | 11.77            | 33.40               | 5.58            | 0.00     | 50.75          | 74.00          | 23.25       | PK       | Vertical |
| 2         | 5150.000    | 8.32             | 33.40               | 5.59            | 0.00     | 47.31          | 68.20          | 20.89       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC80 TX 5210MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

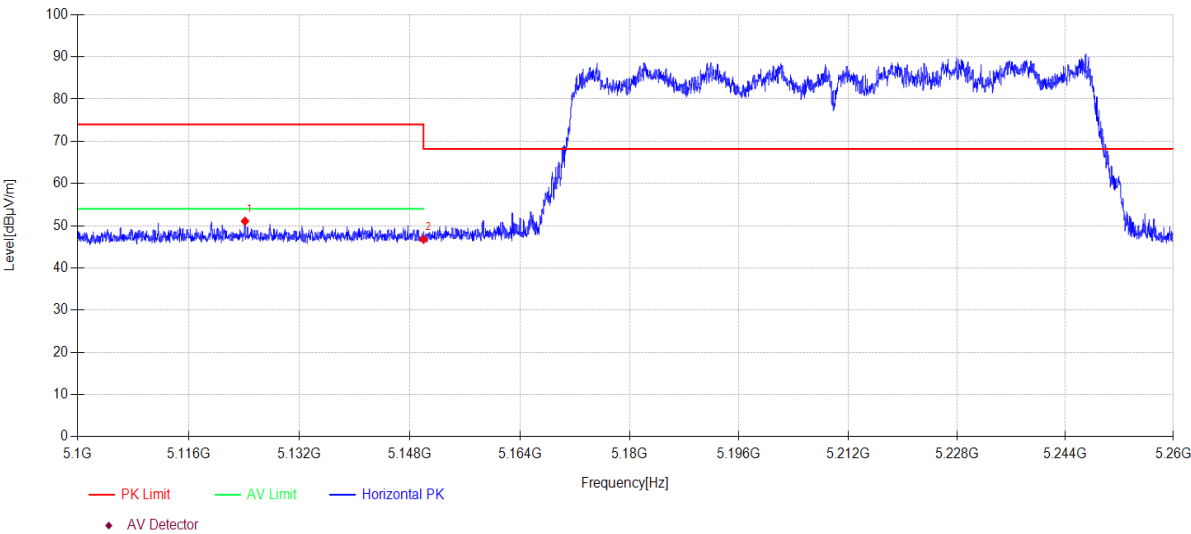
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\29

Memo:

Sample Number:S24021902-002 Power Setting:34

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5124.160    | 12.11            | 33.40               | 5.57            | 0.00     | 51.08          | 74.00          | 22.92       | PK       | Horizontal |
| 2         | 5150.000    | 7.79             | 33.40               | 5.59            | 0.00     | 46.78          | 68.20          | 21.42       | PK       | Horizontal |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC80 TX 5210MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

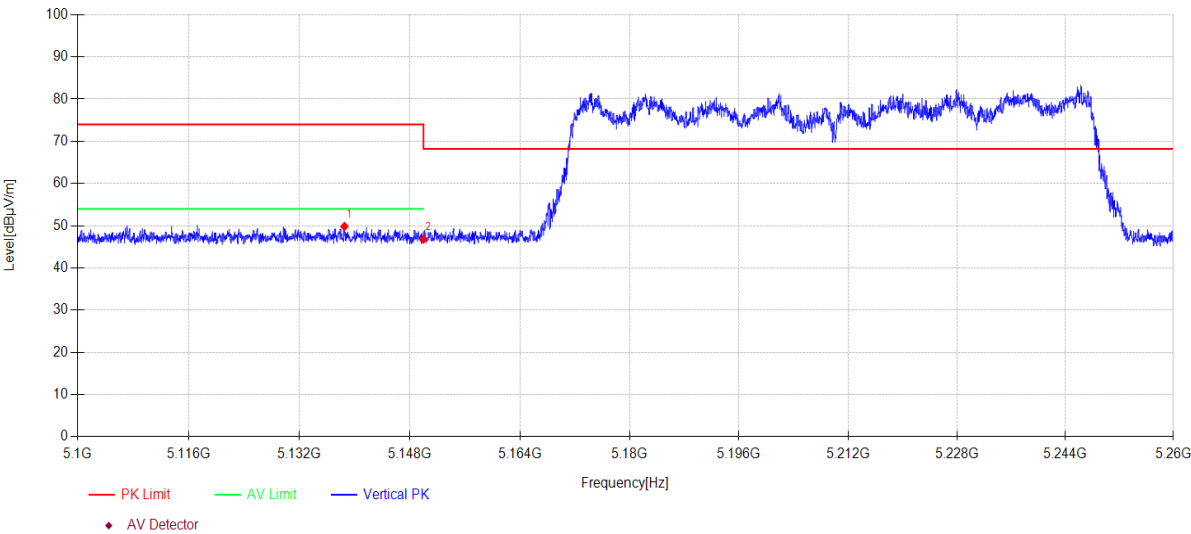
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\30

Memo:

Sample Number:S24021902-002 Power Setting:34

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5138.544    | 10.85            | 33.40               | 5.58            | 0.00     | 49.83          | 74.00          | 24.17       | PK       | Vertical |
| 2         | 5150.000    | 7.81             | 33.40               | 5.59            | 0.00     | 46.80          | 68.20          | 21.40       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC80 TX 5290MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

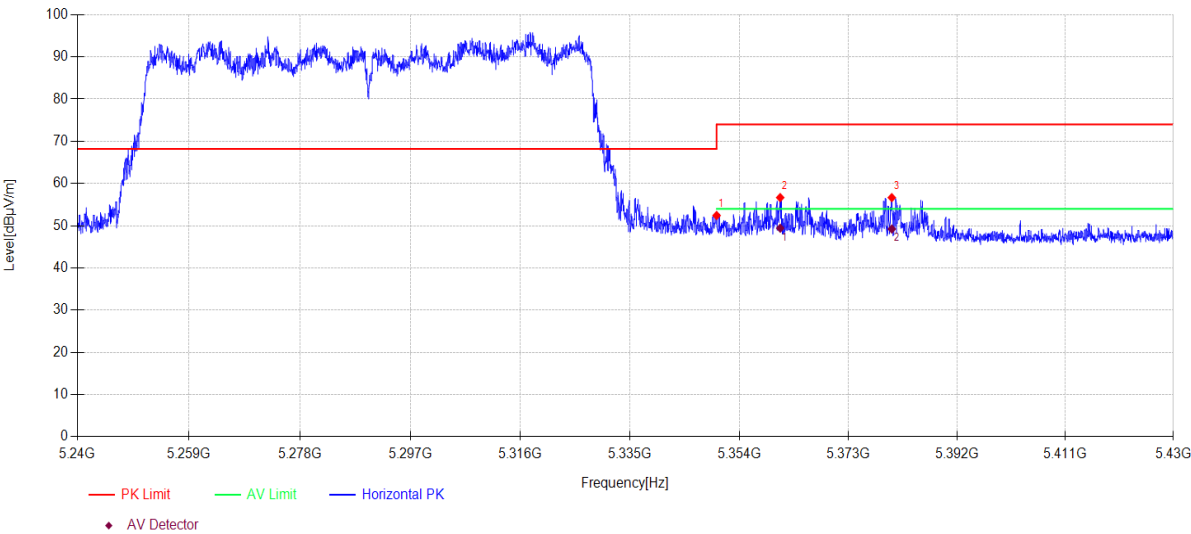
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\31

Memo:

Sample Number:S24021902-002 Power Setting:34

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5350.000    | 13.63            | 33.10               | 5.69            | 0.00     | 52.42          | 74.00          | 21.58       | PK       | Horizontal |
| 2         | 5361.068    | 17.88            | 33.10               | 5.69            | 0.00     | 56.67          | 74.00          | 17.33       | PK       | Horizontal |
| 3         | 5380.543    | 17.86            | 33.10               | 5.70            | 0.00     | 56.66          | 74.00          | 17.34       | PK       | Horizontal |

| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5361.068    | 10.63            | 33.10               | 5.69            | 0.00     | 49.42          | 54.0           | 4.58        | AV       | Horizontal |
| 2         | 5380.543    | 10.42            | 33.10               | 5.70            | 0.00     | 49.22          | 54.0           | 4.78        | AV       | Horizontal |

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC80 TX 5290MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

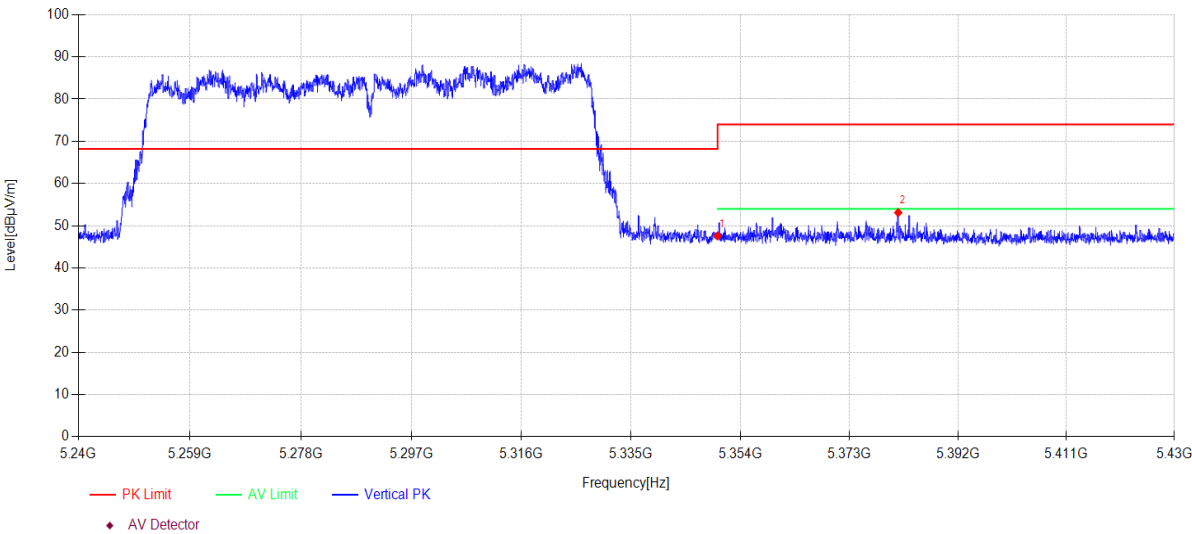
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\32

Memo:

Sample Number:S24021902-002 Power Setting:34

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5350.000    | 8.80             | 33.10               | 5.69            | 0.00     | 47.59          | 74.00          | 26.41       | PK       | Vertical |
| 2         | 5381.493    | 14.30            | 33.10               | 5.70            | 0.00     | 53.10          | 74.00          | 20.90       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC40 TX 5310MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

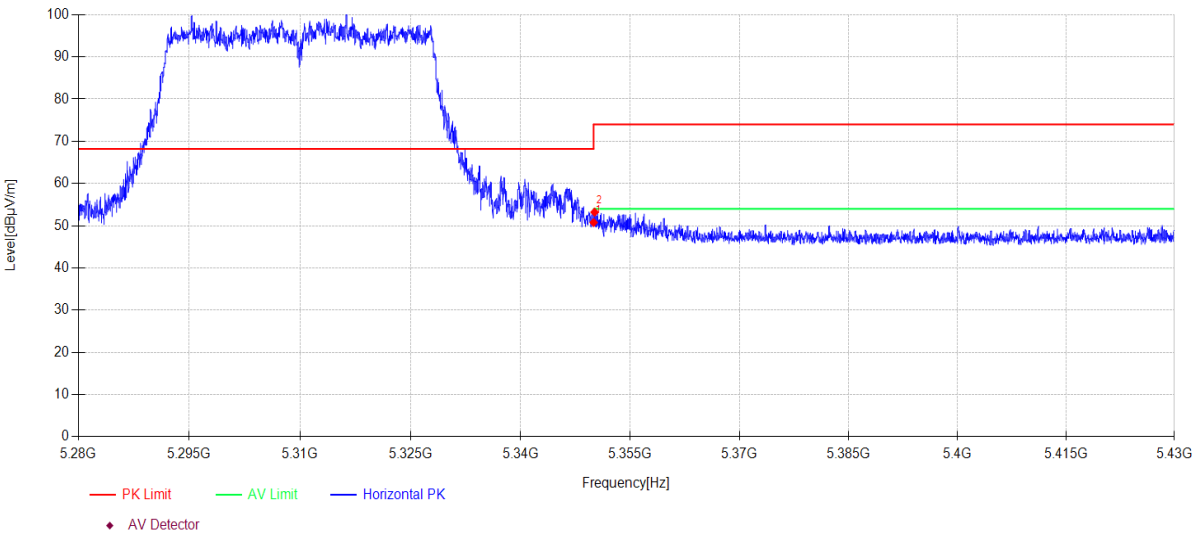
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\33

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5350.000    | 11.98            | 33.10               | 5.69            | 0.00     | 50.77          | 74.00          | 23.23       | PK       | Horizontal |
| 2         | 5350.125    | 14.42            | 33.10               | 5.69            | 0.00     | 53.21          | 74.00          | 20.79       | PK       | Horizontal |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC40 TX 5310MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

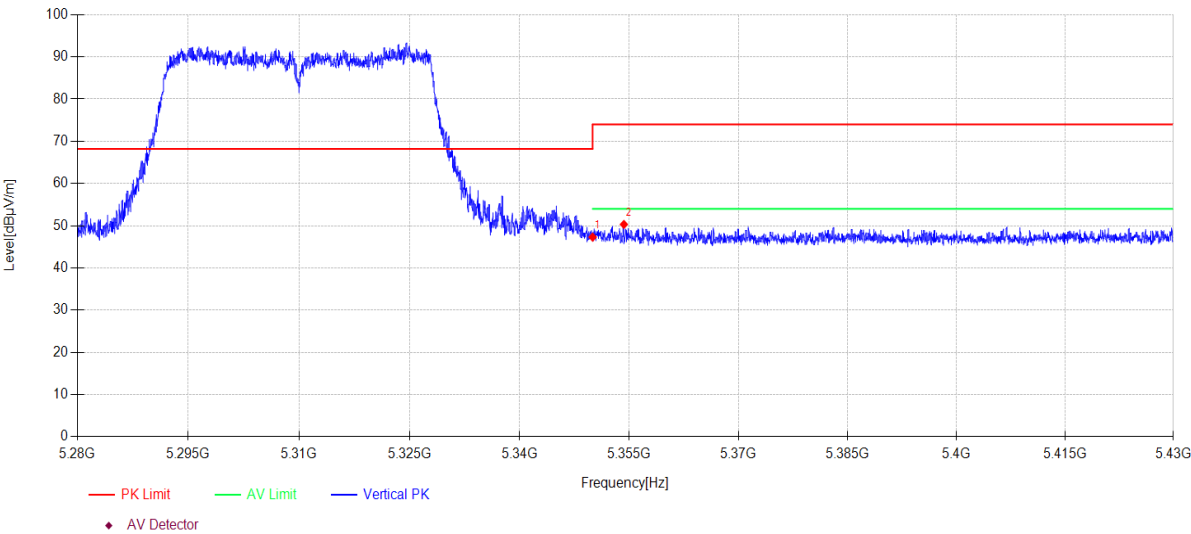
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\34

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5350.000    | 8.51             | 33.10               | 5.69            | 0.00     | 47.30          | 74.00          | 26.70       | PK       | Vertical |
| 2         | 5354.280    | 11.52            | 33.10               | 5.69            | 0.00     | 50.31          | 74.00          | 23.69       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11N40 TX 5310MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

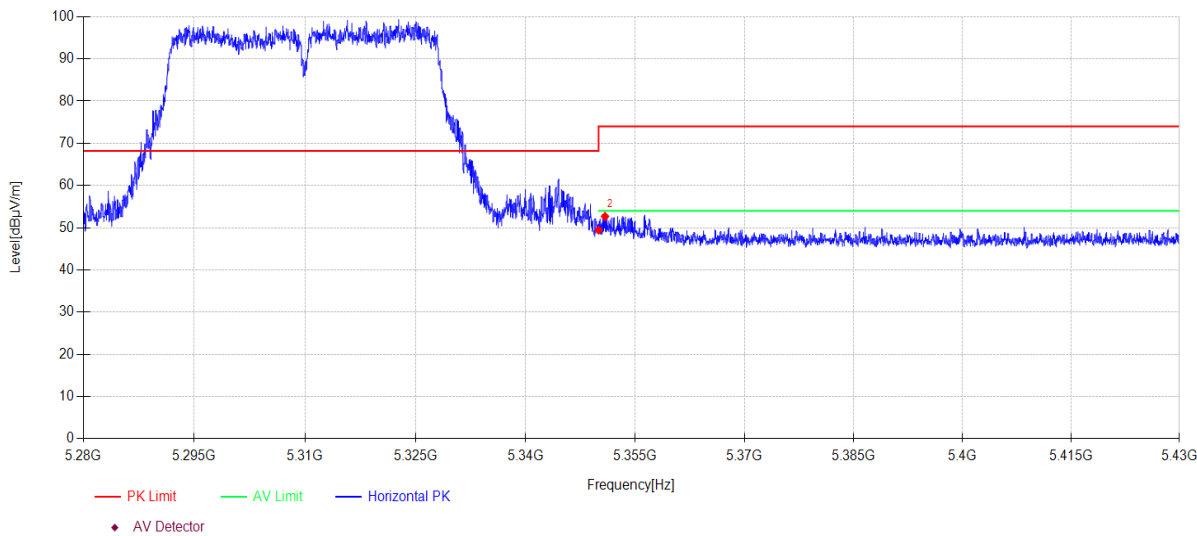
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\35

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5350.000    | 10.66            | 33.10               | 5.69            | 0.00     | 49.45          | 74.00          | 24.55       | PK       | Horizontal |
| 2         | 5350.875    | 13.90            | 33.10               | 5.69            | 0.00     | 52.69          | 74.00          | 21.31       | PK       | Horizontal |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11N40 TX 5310MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

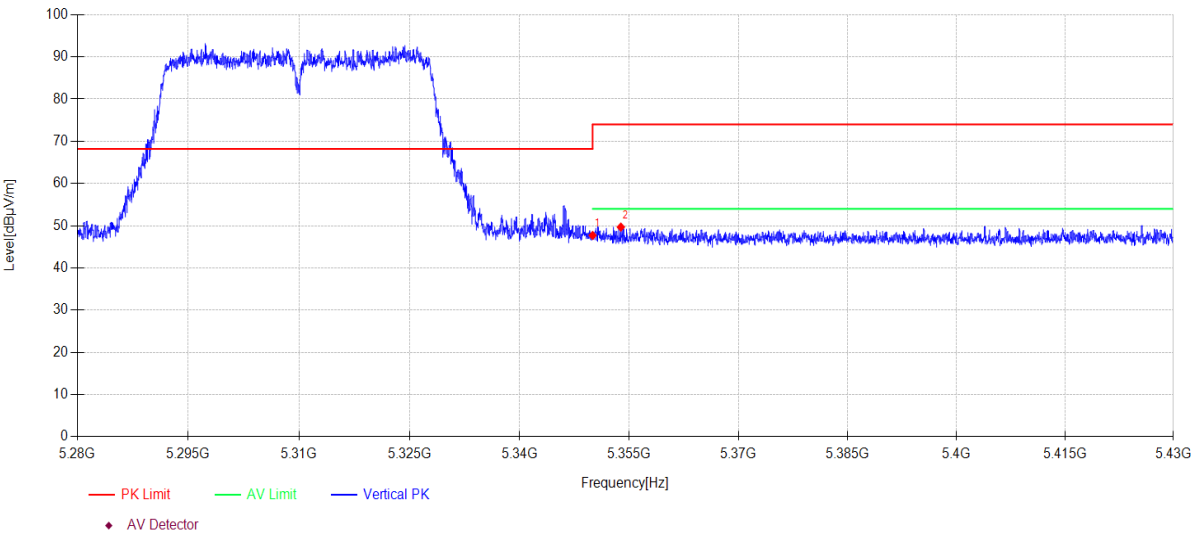
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\36

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5350.000    | 8.92             | 33.10               | 5.69            | 0.00     | 47.71          | 74.00          | 26.29       | PK       | Vertical |
| 2         | 5353.860    | 10.89            | 33.10               | 5.69            | 0.00     | 49.68          | 74.00          | 24.32       | PK       | Vertical |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11N20 TX 5320MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

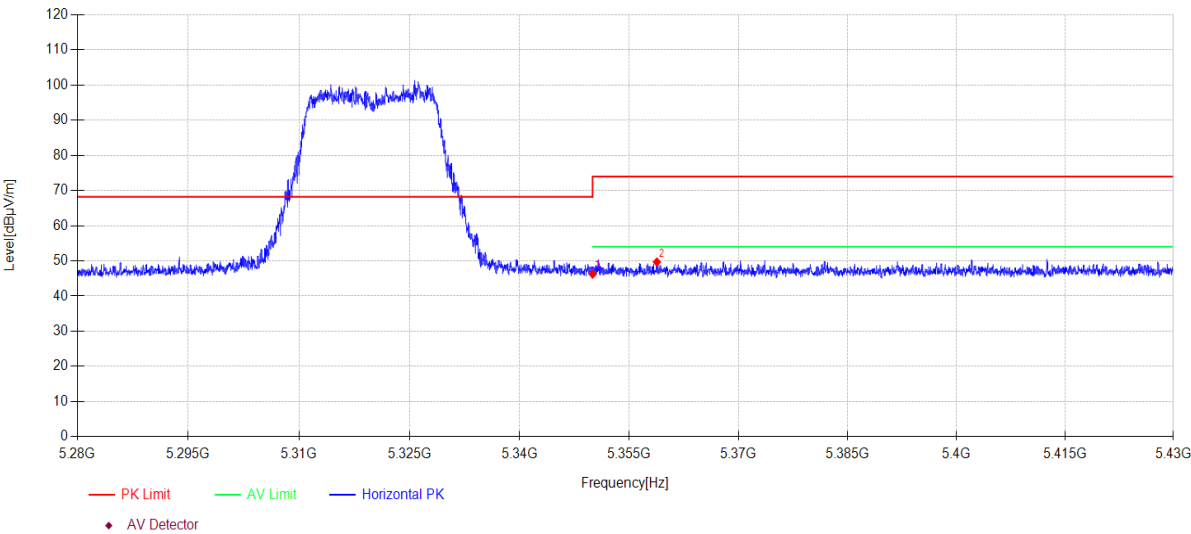
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\37

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5350.000    | 7.45             | 33.10               | 5.69            | 0.00     | 46.24          | 74.00          | 27.76       | PK       | Horizontal |
| 2         | 5358.795    | 10.90            | 33.10               | 5.69            | 0.00     | 49.69          | 74.00          | 24.31       | PK       | Horizontal |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11N20 TX 5320MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

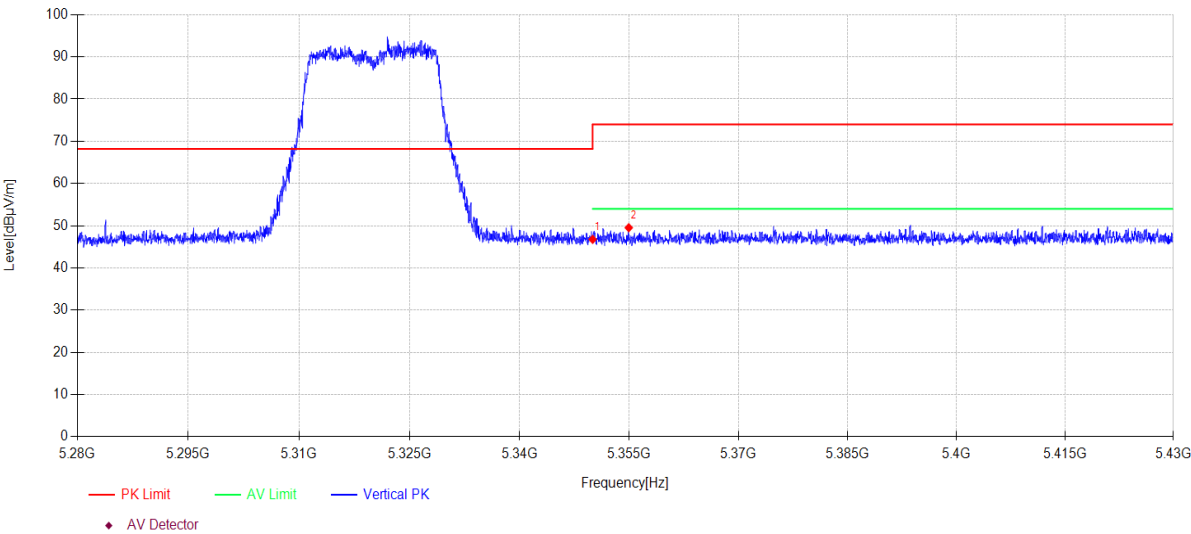
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\38

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |          |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|----------|
| N O.      | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
| 1         | 5350.000    | 7.98             | 33.10               | 5.69            | 0.00     | 46.77          | 74.00          | 27.23       | PK       | Vertical |
| 2         | 5354.940    | 10.74            | 33.10               | 5.69            | 0.00     | 49.53          | 74.00          | 24.47       | PK       | Vertical |

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-24

Tested By:

Juchang Du

EUT:

Senza Cloud Connector

Model Number:

SZC004

Test Mode:

11AC20 TX 5320MHz

Power Supply:

DC 5V

Condition:

Temp:23.5°C;Humi:59.7%

Test Site:

DDT 3# Chamber

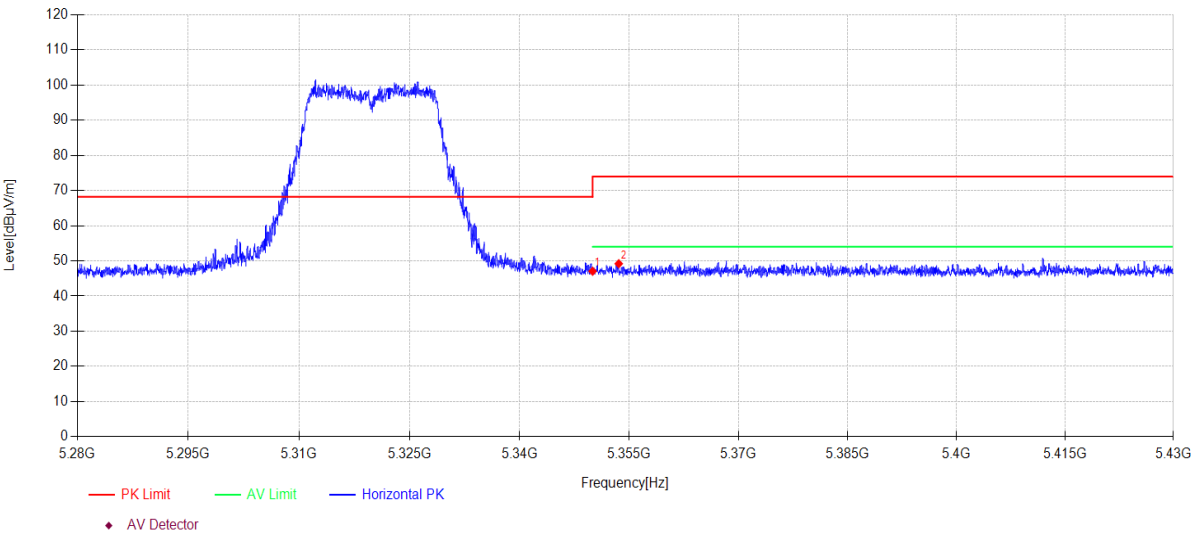
File Path:

d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\39

Memo:

Sample Number:S24021902-002 Power Setting:38

Test Graph



| Data List |             |                  |                     |                 |          |                |                |             |          |            |
|-----------|-------------|------------------|---------------------|-----------------|----------|----------------|----------------|-------------|----------|------------|
| N O.      | Freq. [MHz] | Reading [dBμV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1         | 5350.000    | 8.27             | 33.10               | 5.69            | 0.00     | 47.06          | 74.00          | 26.94       | PK       | Horizontal |
| 2         | 5353.575    | 10.41            | 33.10               | 5.69            | 0.00     | 49.20          | 74.00          | 24.80       | PK       | Horizontal |

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.