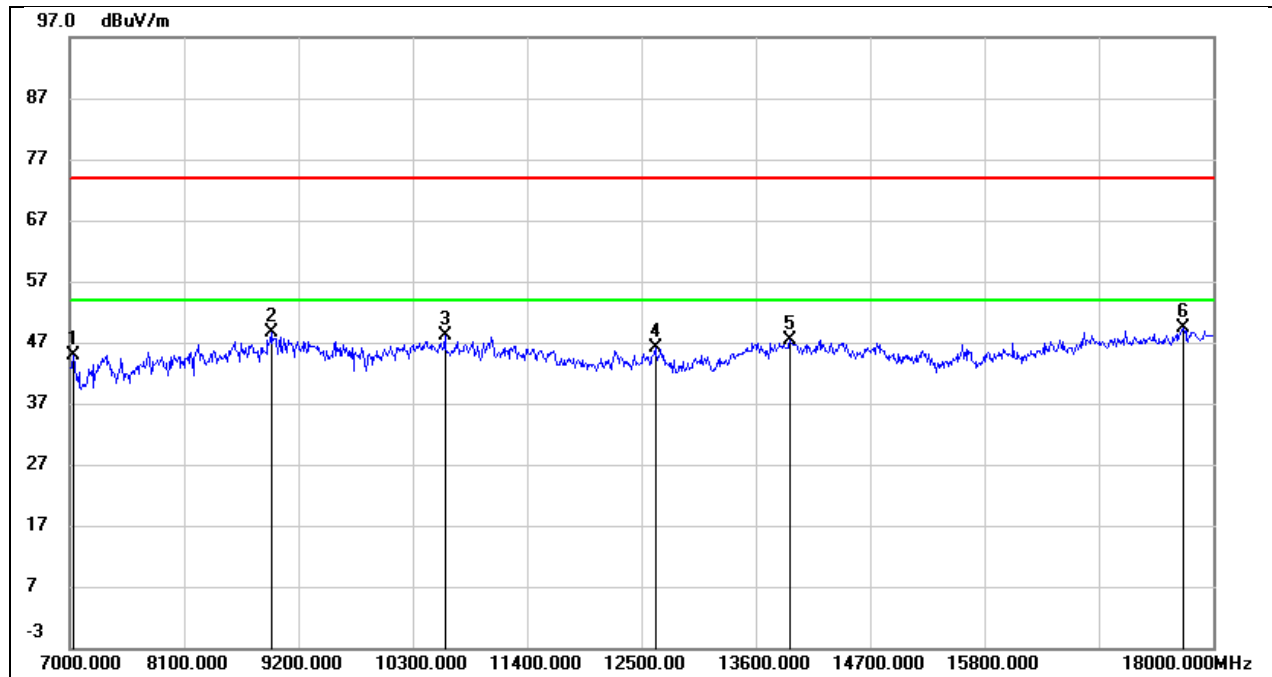
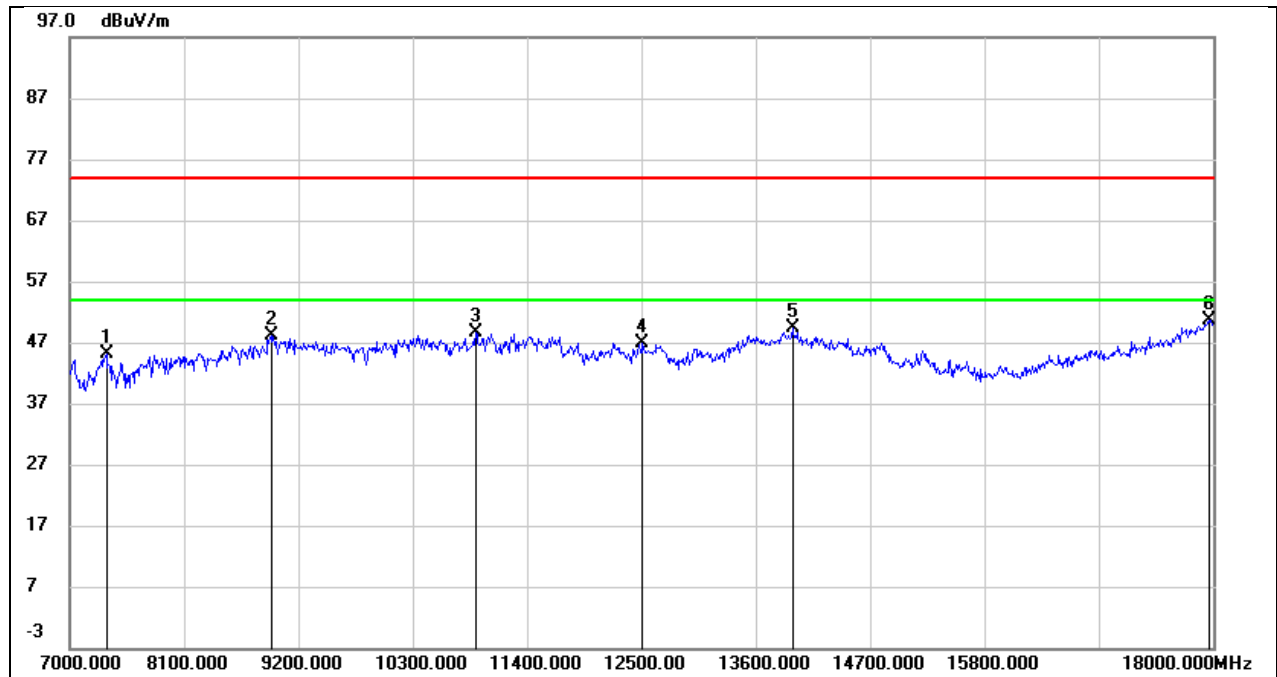


|            |              |                 |          |
|------------|--------------|-----------------|----------|
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5755     |
| Polarity:  | Vertical     | Test Voltage:   | DC 3.87V |



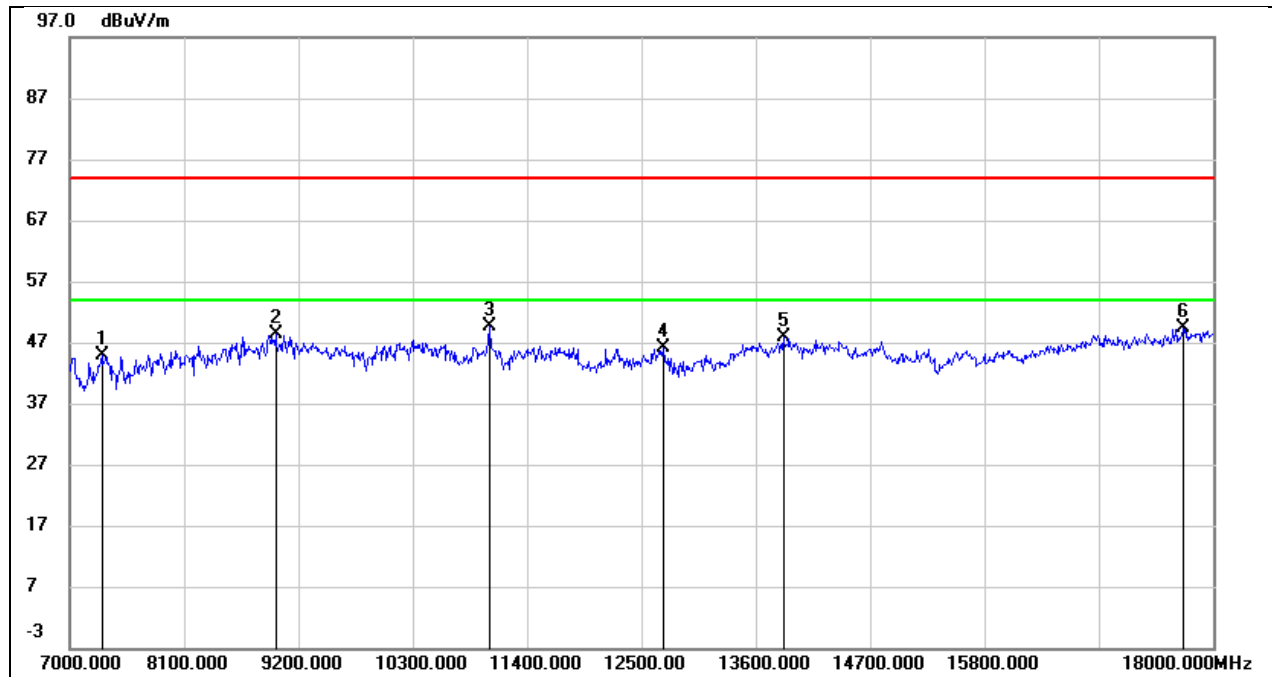
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 7033.000           | 36.36             | 8.56              | 44.92              | 74.00             | -29.08         | peak   |
| 2   | 8936.000           | 37.09             | 11.44             | 48.53              | 74.00             | -25.47         | peak   |
| 3   | 10608.000          | 34.86             | 13.18             | 48.04              | 74.00             | -25.96         | peak   |
| 4   | 12632.000          | 29.12             | 17.05             | 46.17              | 74.00             | -27.83         | peak   |
| 5   | 13930.000          | 26.56             | 20.76             | 47.32              | 74.00             | -26.68         | peak   |
| 6   | 17714.000          | 24.19             | 25.24             | 49.43              | 74.00             | -24.57         | peak   |

|            |              |                 |          |
|------------|--------------|-----------------|----------|
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5795     |
| Polarity:  | Horizontal   | Test Voltage:   | DC 3.87V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 7352.000        | 36.92          | 8.24           | 45.16           | 74.00          | -28.84      | peak   |
| 2   | 8947.000        | 36.83          | 11.18          | 48.01           | 74.00          | -25.99      | peak   |
| 3   | 10905.000       | 34.36          | 14.25          | 48.61           | 74.00          | -25.39      | peak   |
| 4   | 12511.000       | 28.61          | 18.15          | 46.76           | 74.00          | -27.24      | peak   |
| 5   | 13952.000       | 26.87          | 22.39          | 49.26           | 74.00          | -24.74      | peak   |
| 6   | 17956.000       | 22.52          | 28.21          | 50.73           | 74.00          | -23.27      | peak   |

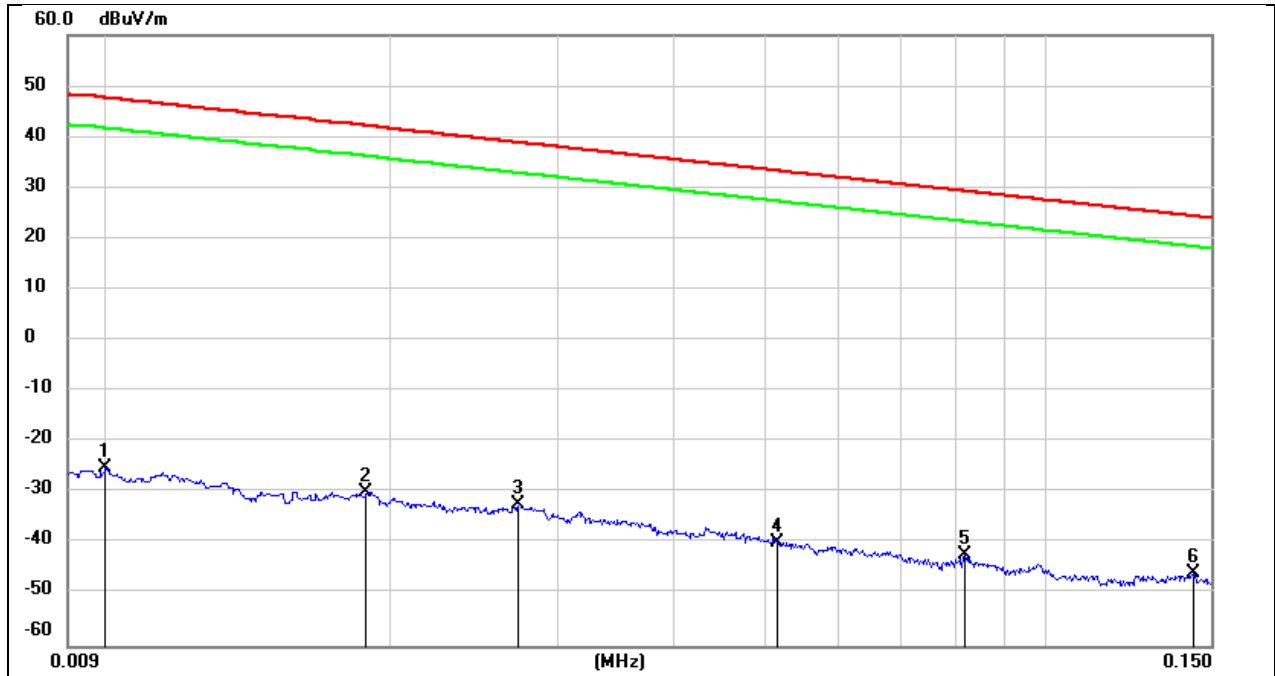
|            |              |                 |          |
|------------|--------------|-----------------|----------|
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5795     |
| Polarity:  | Vertical     | Test Voltage:   | DC 3.87V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 7308.000        | 36.37          | 8.54           | 44.91           | 74.00          | -29.09      | peak   |
| 2   | 8980.000        | 36.37          | 12.07          | 48.44           | 74.00          | -25.56      | peak   |
| 3   | 11037.000       | 35.52          | 14.01          | 49.53           | 74.00          | -24.47      | peak   |
| 4   | 12709.000       | 28.81          | 17.21          | 46.02           | 74.00          | -27.98      | peak   |
| 5   | 13864.000       | 27.24          | 20.67          | 47.91           | 74.00          | -26.09      | peak   |
| 6   | 17714.000       | 24.17          | 25.24          | 49.41           | 74.00          | -24.59      | peak   |

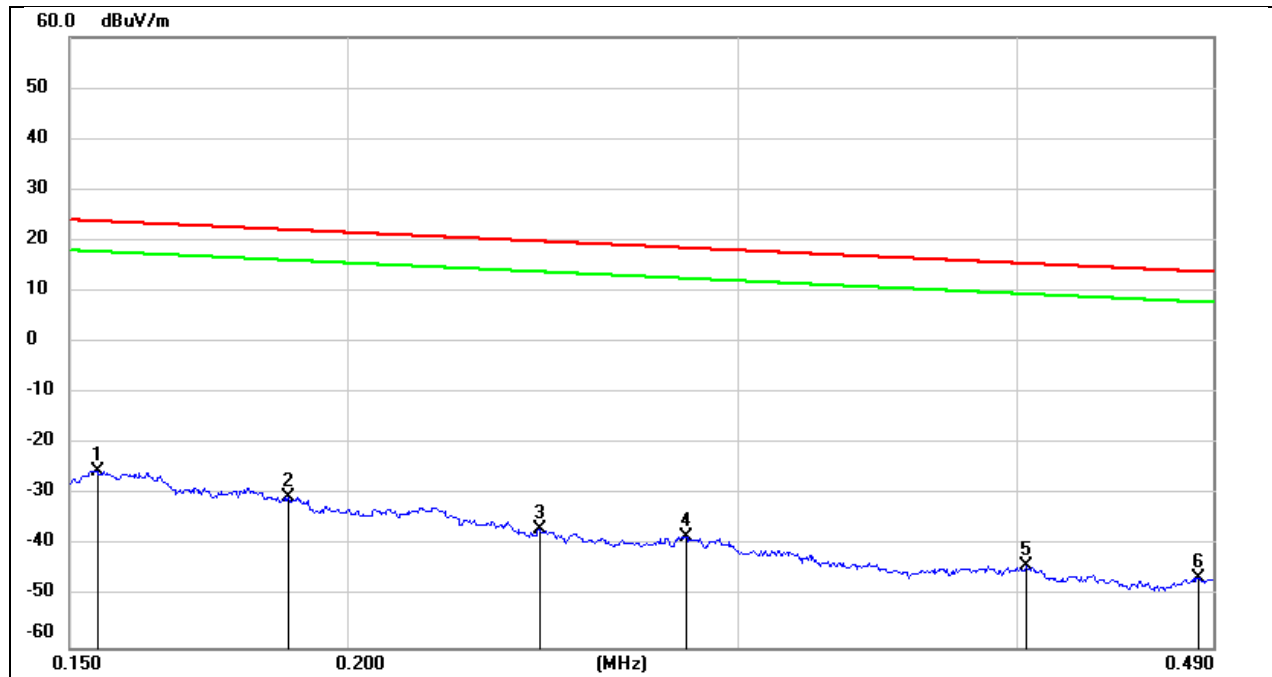
#### 8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

|            |            |                 |       |
|------------|------------|-----------------|-------|
| Test Mode: | 802.11a20  | Frequency(MHz): | 5180  |
| Polarity:  | Horizontal | Test Voltage:   | DC 5V |



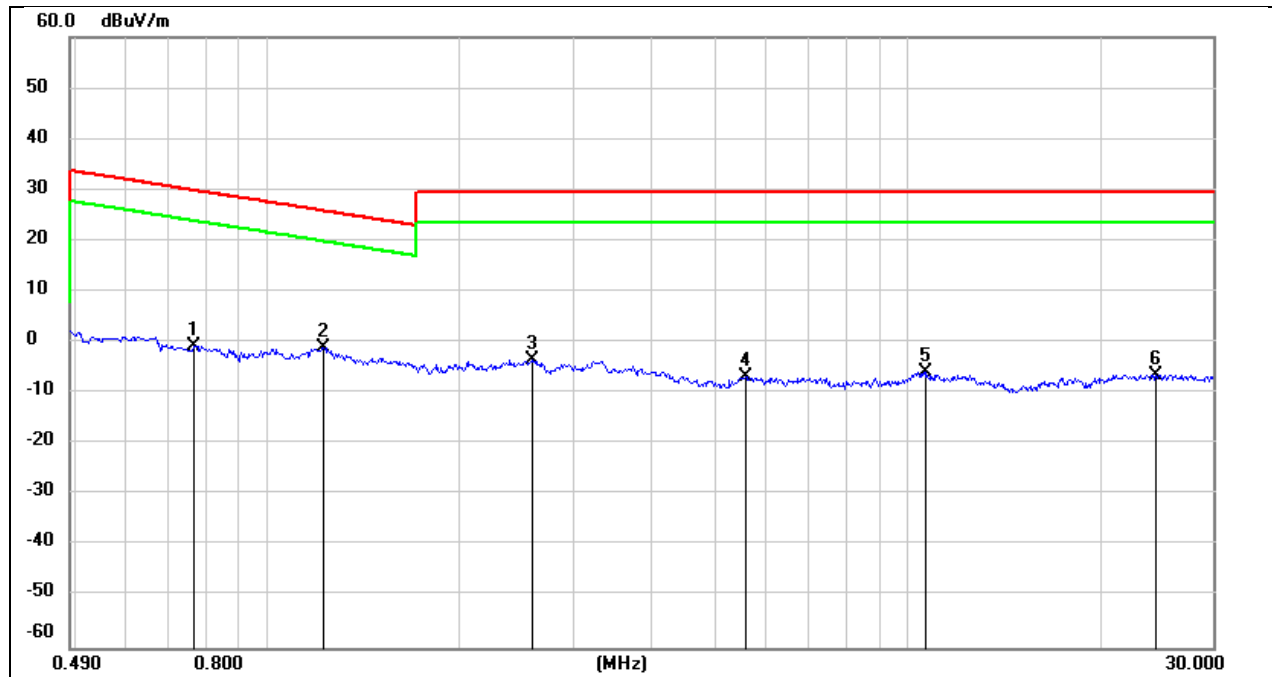
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 0.0100          | 76.22          | -101.40        | -25.18          | 47.60          | -72.78      | peak   |
| 2   | 0.0188          | 71.64          | -101.35        | -29.71          | 42.12          | -71.83      | peak   |
| 3   | 0.0273          | 68.99          | -101.38        | -32.39          | 38.88          | -71.27      | peak   |
| 4   | 0.0516          | 61.80          | -101.48        | -39.68          | 33.35          | -73.03      | peak   |
| 5   | 0.0819          | 59.52          | -101.65        | -42.13          | 29.34          | -71.47      | peak   |
| 6   | 0.1440          | 55.82          | -101.65        | -45.83          | 24.43          | -70.26      | peak   |

|            |            |                 |       |
|------------|------------|-----------------|-------|
| Test Mode: | 802.11a20  | Frequency(MHz): | 5180  |
| Polarity:  | Horizontal | Test Voltage:   | DC 5V |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 0.1544             | 76.29             | -101.65           | -25.36             | 23.83             | -49.19         | peak   |
| 2   | 0.1880             | 71.25             | -101.70           | -30.45             | 22.12             | -52.57         | peak   |
| 3   | 0.2442             | 65.03             | -101.79           | -36.76             | 19.85             | -56.61         | peak   |
| 4   | 0.2837             | 63.72             | -101.83           | -38.11             | 18.54             | -56.65         | peak   |
| 5   | 0.4042             | 57.92             | -101.96           | -44.04             | 15.47             | -59.51         | peak   |
| 6   | 0.4823             | 55.69             | -102.04           | -46.35             | 13.94             | -60.29         | peak   |

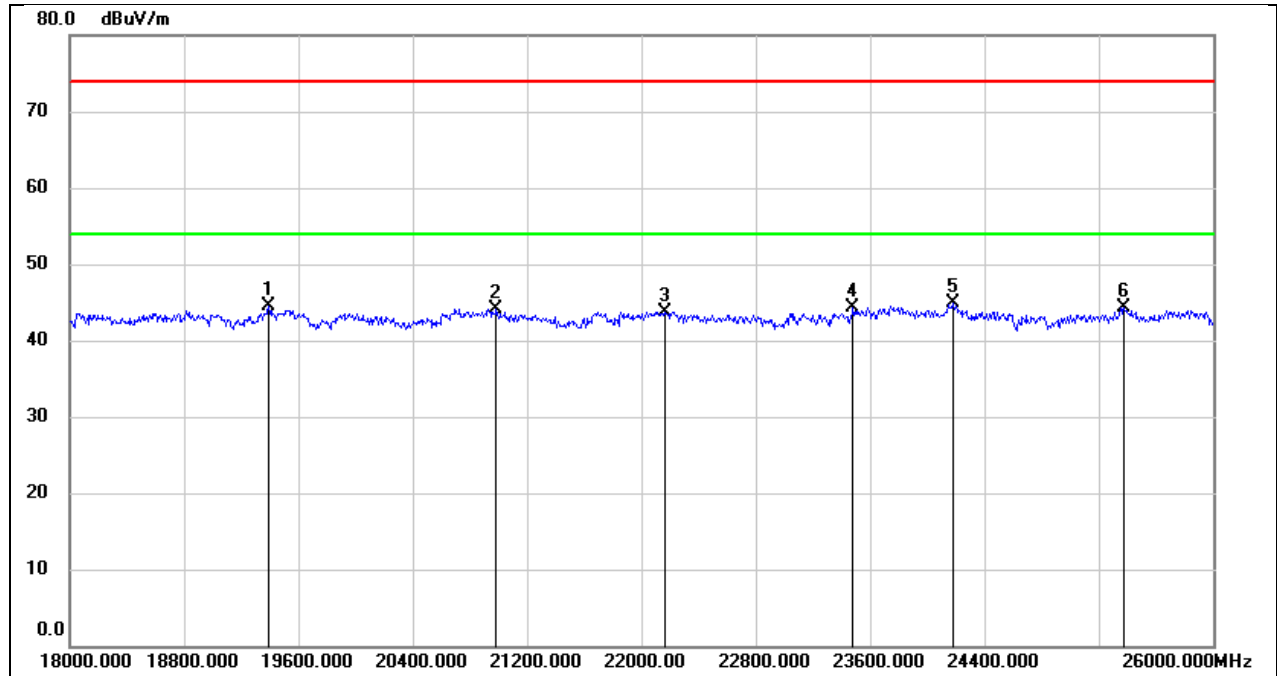
|            |            |                 |       |
|------------|------------|-----------------|-------|
| Test Mode: | 802.11a20  | Frequency(MHz): | 5180  |
| Polarity:  | Horizontal | Test Voltage:   | DC 5V |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 0.7641             | 61.42             | -62.12            | -0.70              | 29.94             | -30.64         | peak   |
| 2   | 1.2214             | 61.12             | -62.16            | -1.04              | 25.87             | -26.91         | peak   |
| 3   | 2.5935             | 58.11             | -61.68            | -3.57              | 29.54             | -33.11         | peak   |
| 4   | 5.5952             | 54.55             | -61.41            | -6.86              | 29.54             | -36.40         | peak   |
| 5   | 10.7004            | 54.86             | -60.83            | -5.97              | 29.54             | -35.51         | peak   |
| 6   | 24.5106            | 54.08             | -60.49            | -6.41              | 29.54             | -35.95         | peak   |

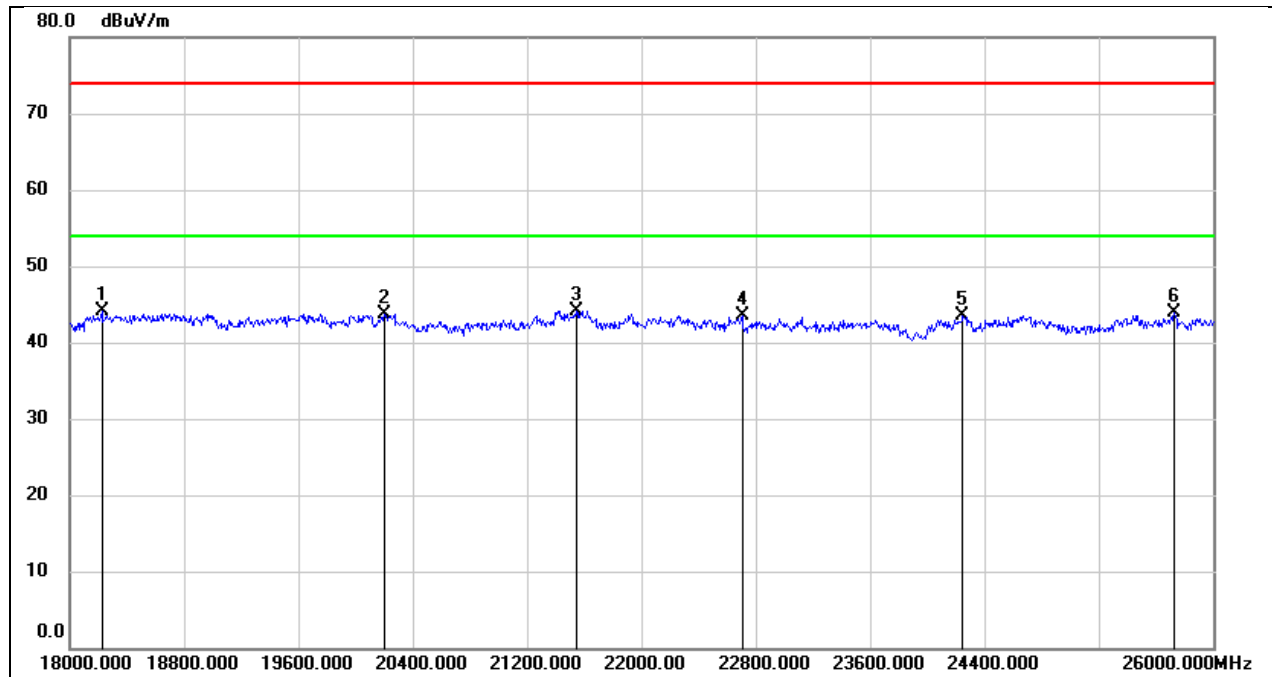
## 8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

|            |            |                 |       |
|------------|------------|-----------------|-------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180  |
| Polarity:  | Horizontal | Test Voltage:   | DC 5V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 19392.000       | 50.12          | -5.57          | 44.55           | 74.00          | -29.45      | peak   |
| 2   | 20984.000       | 49.06          | -4.89          | 44.17           | 74.00          | -29.83      | peak   |
| 3   | 22160.000       | 48.08          | -4.31          | 43.77           | 74.00          | -30.23      | peak   |
| 4   | 23480.000       | 47.54          | -3.16          | 44.38           | 74.00          | -29.62      | peak   |
| 5   | 24176.000       | 47.69          | -2.80          | 44.89           | 74.00          | -29.11      | peak   |
| 6   | 25376.000       | 46.11          | -1.73          | 44.38           | 74.00          | -29.62      | peak   |

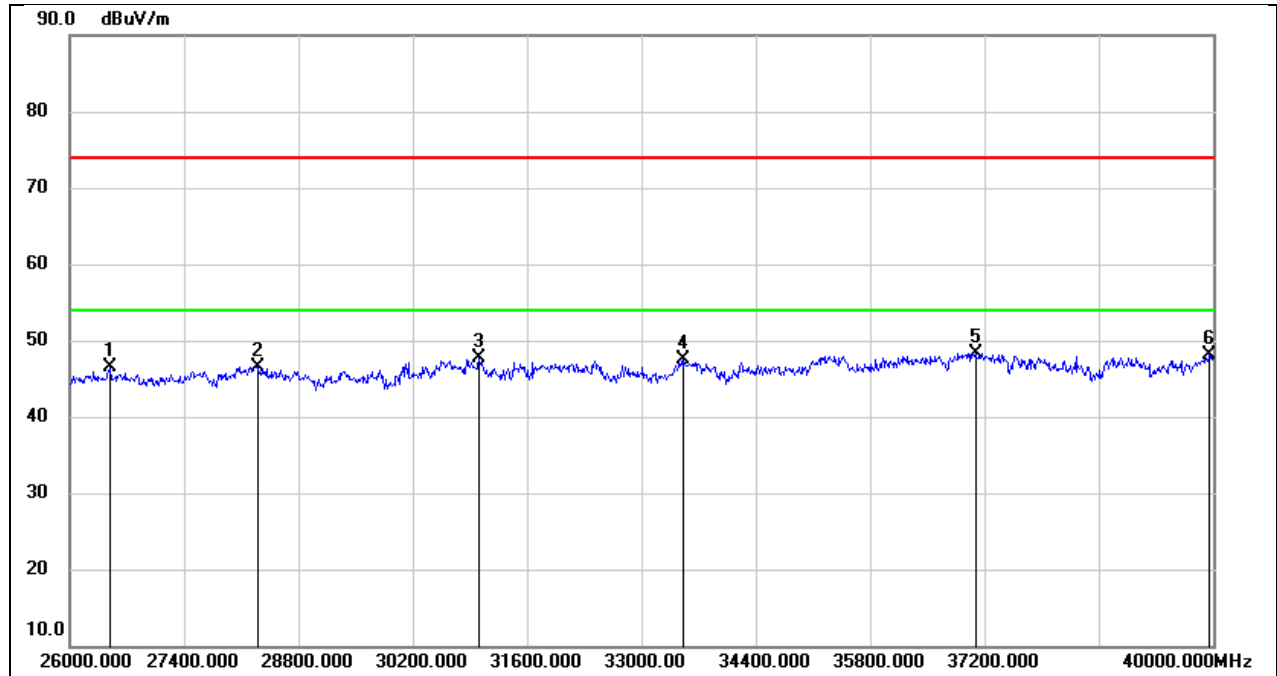
|            |            |                 |       |
|------------|------------|-----------------|-------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180  |
| Polarity:  | Vertical   | Test Voltage:   | DC 5V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 18224.000       | 49.58          | -5.53          | 44.05           | 74.00          | -29.95      | peak   |
| 2   | 20200.000       | 49.33          | -5.58          | 43.75           | 74.00          | -30.25      | peak   |
| 3   | 21544.000       | 48.76          | -4.63          | 44.13           | 74.00          | -29.87      | peak   |
| 4   | 22704.000       | 47.15          | -3.73          | 43.42           | 74.00          | -30.58      | peak   |
| 5   | 24248.000       | 46.25          | -2.83          | 43.42           | 74.00          | -30.58      | peak   |
| 6   | 25728.000       | 44.61          | -0.72          | 43.89           | 74.00          | -30.11      | peak   |

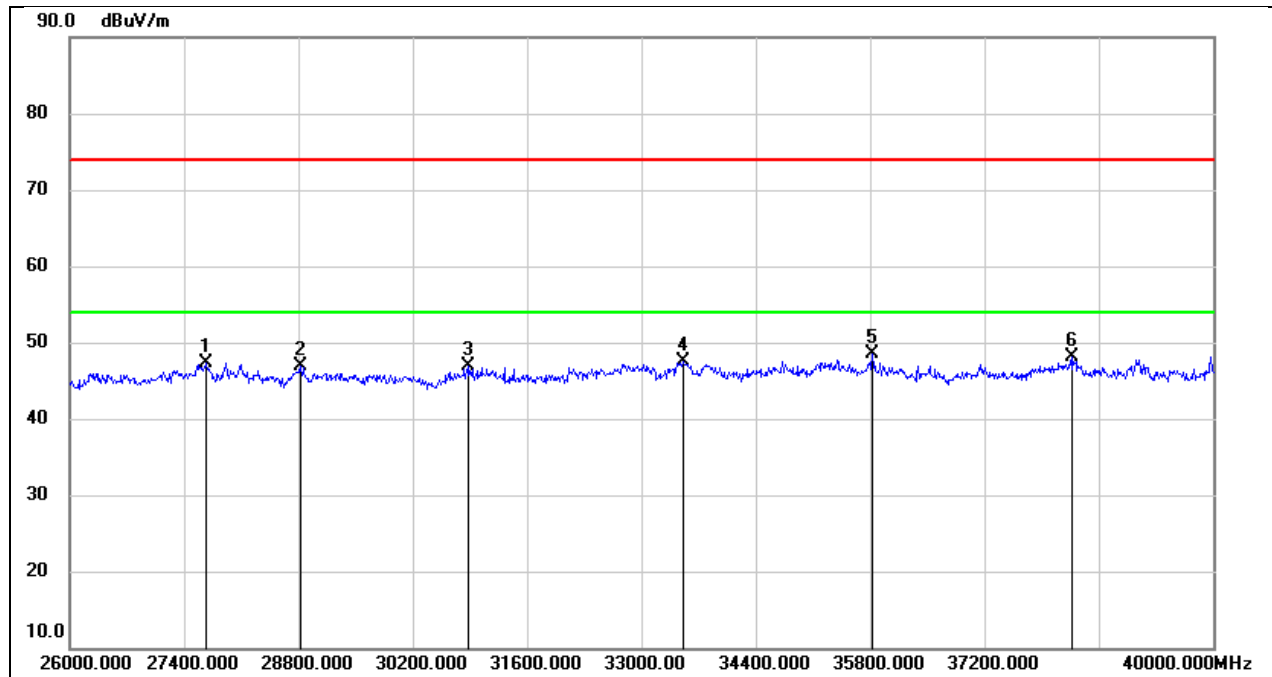
## 8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

|            |            |                 |       |
|------------|------------|-----------------|-------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180  |
| Polarity:  | Horizontal | Test Voltage:   | DC 5V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 26490.000       | 51.29          | -4.74          | 46.55           | 74.00          | -27.45      | peak   |
| 2   | 28296.000       | 48.96          | -2.45          | 46.51           | 74.00          | -27.49      | peak   |
| 3   | 31012.000       | 48.33          | -0.71          | 47.62           | 74.00          | -26.38      | peak   |
| 4   | 33518.000       | 47.02          | 0.56           | 47.58           | 74.00          | -26.42      | peak   |
| 5   | 37088.000       | 45.11          | 3.19           | 48.30           | 74.00          | -25.70      | peak   |
| 6   | 39958.000       | 43.08          | 5.12           | 48.20           | 74.00          | -25.80      | peak   |

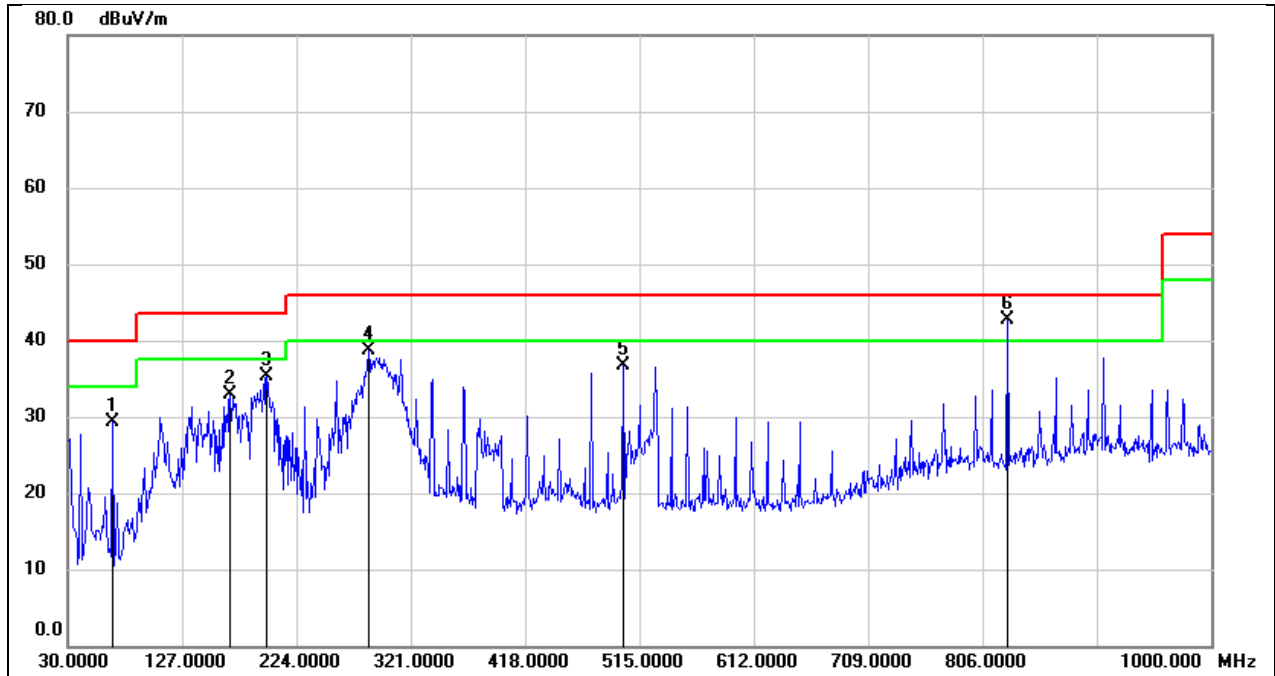
|            |            |                 |       |
|------------|------------|-----------------|-------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180  |
| Polarity:  | Vertical   | Test Voltage:   | DC 5V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 27666.000       | 50.76          | -3.50          | 47.26           | 74.00          | -26.74      | peak   |
| 2   | 28828.000       | 47.63          | -0.79          | 46.84           | 74.00          | -27.16      | peak   |
| 3   | 30886.000       | 47.86          | -0.93          | 46.93           | 74.00          | -27.07      | peak   |
| 4   | 33504.000       | 46.98          | 0.58           | 47.56           | 74.00          | -26.44      | peak   |
| 5   | 35828.000       | 44.75          | 3.67           | 48.42           | 74.00          | -25.58      | peak   |
| 6   | 38278.000       | 44.32          | 3.82           | 48.14           | 74.00          | -25.86      | peak   |

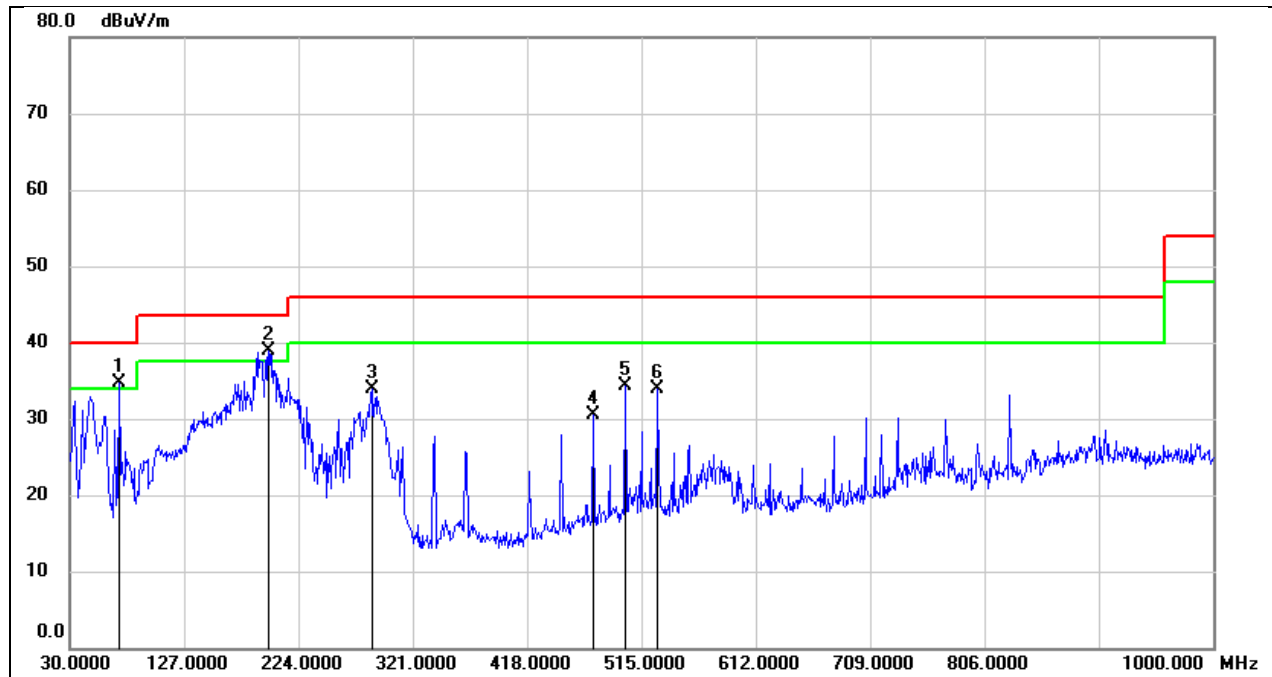
## 8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

|            |            |                 |             |
|------------|------------|-----------------|-------------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180        |
| Polarity:  | Horizontal | Test Voltage:   | AC120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 67.8300         | 45.26          | -15.99         | 29.27           | 40.00          | -10.73      | QP     |
| 2   | 167.7400        | 44.54          | -11.71         | 32.83           | 43.50          | -10.67      | QP     |
| 3   | 198.7800        | 46.96          | -11.58         | 35.38           | 43.50          | -8.12       | QP     |
| 4   | 285.1099        | 50.85          | -12.17         | 38.68           | 46.00          | -7.32       | QP     |
| 5   | 501.4200        | 43.80          | -7.17          | 36.63           | 46.00          | -9.37       | QP     |
| 6   | 827.3400        | 44.76          | -2.10          | 42.66           | 46.00          | -3.34       | QP     |

|            |            |                 |             |
|------------|------------|-----------------|-------------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180        |
| Polarity:  | Vertical   | Test Voltage:   | AC120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 71.7100         | 50.81          | -16.16         | 34.65           | 40.00          | -5.35       | QP     |
| 2   | 198.7800        | 50.50          | -11.58         | 38.92           | 43.50          | -4.58       | QP     |
| 3   | 287.0500        | 45.92          | -12.05         | 33.87           | 46.00          | -12.13      | QP     |
| 4   | 474.2600        | 38.21          | -7.69          | 30.52           | 46.00          | -15.48      | QP     |
| 5   | 501.4200        | 41.43          | -7.17          | 34.26           | 46.00          | -11.74      | QP     |
| 6   | 528.5800        | 40.99          | -7.00          | 33.99           | 46.00          | -12.01      | QP     |

## 9. AC POWER LINE CONDUCTED EMISSION

### LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISSED RSS-Gen Clause 8.8

| FREQUENCY (MHz) | Quasi-peak | Average   |
|-----------------|------------|-----------|
| 0.15 -0.5       | 66 - 56 *  | 56 - 46 * |
| 0.50 -5.0       | 56.00      | 46.00     |
| 5.0 -30.0       | 60.00      | 50.00     |

\*Decreases with the logarithm of the frequency.

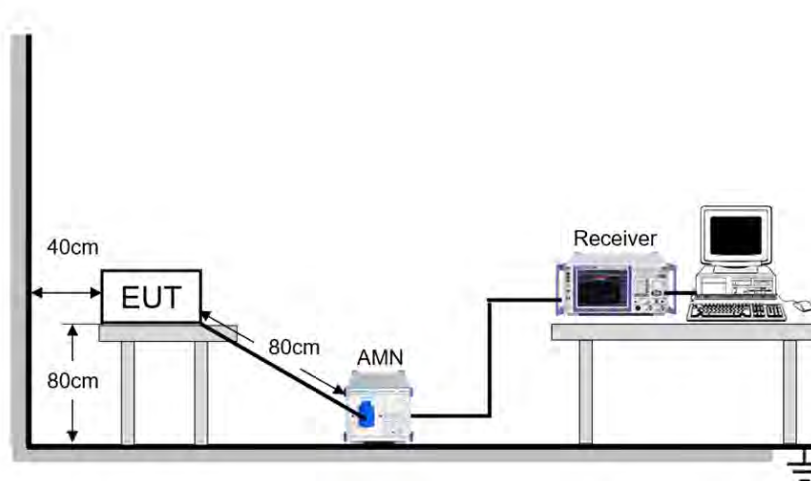
### TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

### TEST SETUP



### TEST ENVIRONMENT

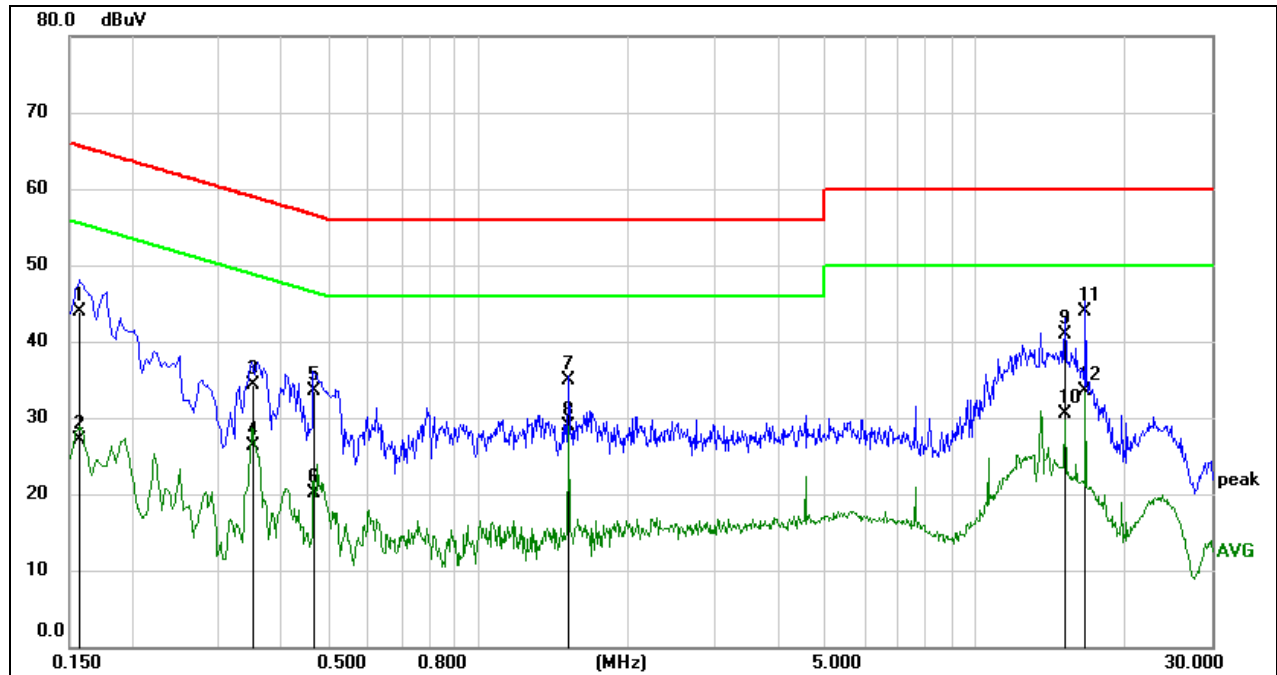
|                     |        |                   |              |
|---------------------|--------|-------------------|--------------|
| Temperature         | 22.3°C | Relative Humidity | 56%          |
| Atmosphere Pressure | 101kPa | Test Voltage      | AC 120V_60Hz |

### TEST DATE / ENGINEER

|           |                 |         |           |
|-----------|-----------------|---------|-----------|
| Test Date | August 30, 2024 | Test By | James Qin |
|-----------|-----------------|---------|-----------|

### TEST RESULTS

|            |            |                 |      |
|------------|------------|-----------------|------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
| Line:      | Line       |                 |      |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|--------------|---------------|--------------|-------------|--------|
| 1   | 0.1564          | 33.48          | 10.33        | 43.81         | 65.65        | -21.84      | QP     |
| 2   | 0.1564          | 16.81          | 10.33        | 27.14         | 55.65        | -28.51      | AVG    |
| 3   | 0.3513          | 24.08          | 10.24        | 34.32         | 58.93        | -24.61      | QP     |
| 4   | 0.3513          | 16.09          | 10.24        | 26.33         | 48.93        | -22.60      | AVG    |
| 5   | 0.4690          | 23.32          | 10.24        | 33.56         | 56.53        | -22.97      | QP     |
| 6   | 0.4690          | 9.95           | 10.24        | 20.19         | 46.53        | -26.34      | AVG    |
| 7   | 1.5210          | 24.91          | 9.99         | 34.90         | 56.00        | -21.10      | QP     |
| 8   | 1.5210          | 18.87          | 9.99         | 28.86         | 46.00        | -17.14      | AVG    |
| 9   | 15.2096         | 30.45          | 10.55        | 41.00         | 60.00        | -19.00      | QP     |
| 10  | 15.2096         | 19.90          | 10.55        | 30.45         | 50.00        | -19.55      | AVG    |
| 11  | 16.7313         | 33.26          | 10.64        | 43.90         | 60.00        | -16.10      | QP     |
| 12  | 16.7313         | 22.94          | 10.64        | 33.58         | 50.00        | -16.42      | AVG    |

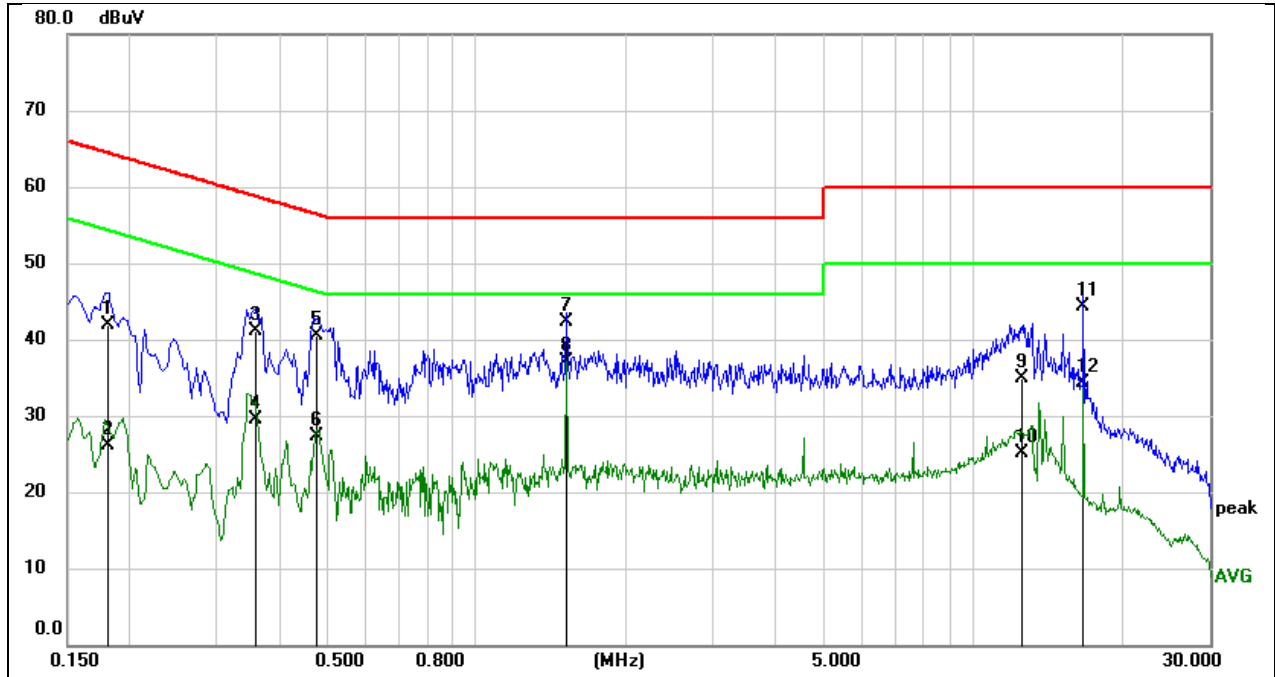
Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).

4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

|            |            |                 |      |
|------------|------------|-----------------|------|
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
| Line:      | Neutral    |                 |      |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|-----|-----------------|----------------|--------------|---------------|--------------|-------------|--------|
| 1   | 0.1798          | 31.65          | 10.18        | 41.83         | 64.49        | -22.66      | QP     |
| 2   | 0.1798          | 15.83          | 10.18        | 26.01         | 54.49        | -28.48      | AVG    |
| 3   | 0.3595          | 31.02          | 10.09        | 41.11         | 58.74        | -17.63      | QP     |
| 4   | 0.3595          | 19.43          | 10.09        | 29.52         | 48.74        | -19.22      | AVG    |
| 5   | 0.4742          | 30.48          | 10.05        | 40.53         | 56.44        | -15.91      | QP     |
| 6   | 0.4742          | 17.18          | 10.05        | 27.23         | 46.44        | -19.21      | AVG    |
| 7   | 1.5209          | 32.31          | 9.94         | 42.25         | 56.00        | -13.75      | QP     |
| 8   | 1.5209          | 27.19          | 9.94         | 37.13         | 46.00        | -8.87       | AVG    |
| 9   | 12.5725         | 24.36          | 10.53        | 34.89         | 60.00        | -25.11      | QP     |
| 10  | 12.5725         | 14.55          | 10.53        | 25.08         | 50.00        | -24.92      | AVG    |
| 11  | 16.7291         | 33.50          | 10.74        | 44.24         | 60.00        | -15.76      | QP     |
| 12  | 16.7291         | 23.54          | 10.74        | 34.28         | 50.00        | -15.72      | AVG    |

**Note:**

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

## 10. ANTENNA REQUIREMENT

### REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### DESCRIPTION

Pass

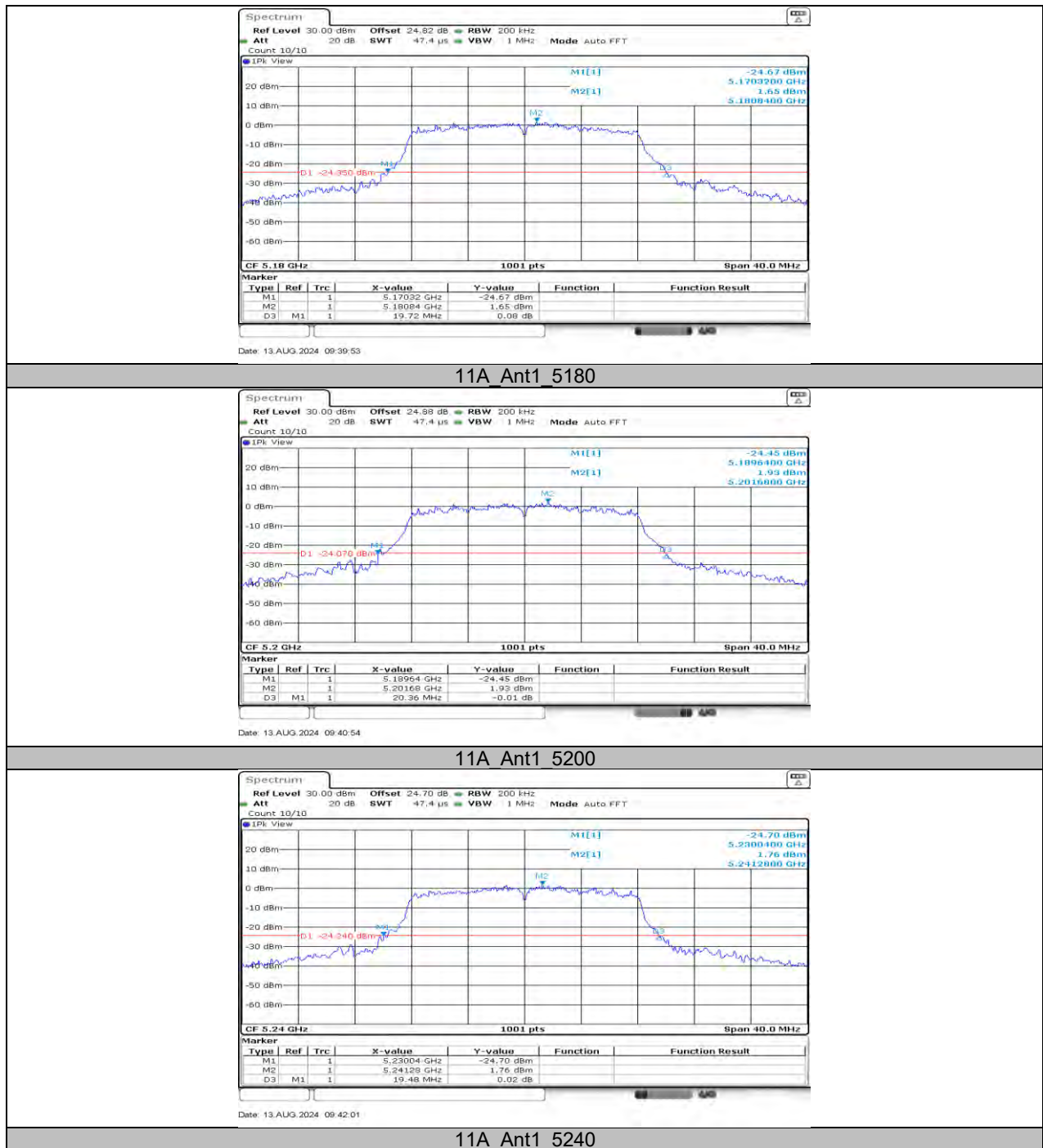
## 11. TEST DATA

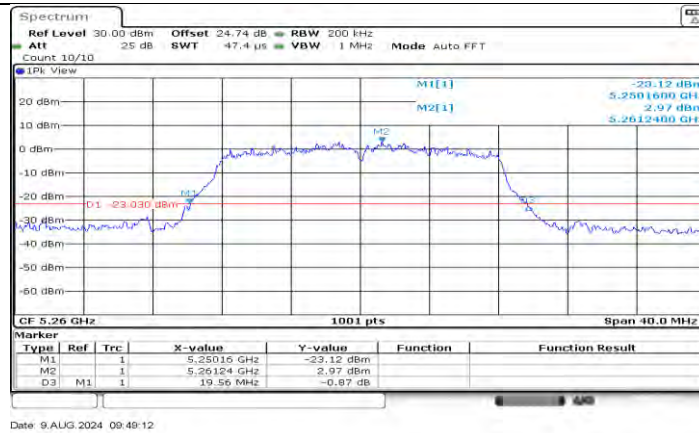
### 11.1. APPENDIX A: EMISSION BANDWIDTH

#### 11.1.1. Test Result

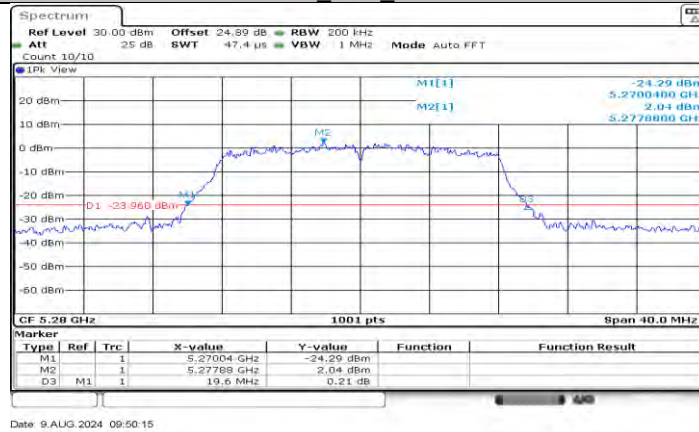
| Test Mode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|----------------|----------------|---------|---------|------------|---------|
| 11A       | Ant1    | 5180           | 19.72          | 5170.32 | 5190.04 | ---        | ---     |
|           |         | 5200           | 20.36          | 5189.64 | 5210.00 | ---        | ---     |
|           |         | 5240           | 19.48          | 5230.04 | 5249.52 | ---        | ---     |
|           |         | 5260           | 19.56          | 5250.16 | 5269.72 | ---        | ---     |
|           |         | 5280           | 19.60          | 5270.04 | 5289.64 | ---        | ---     |
|           |         | 5320           | 19.84          | 5309.96 | 5329.80 | ---        | ---     |
|           |         | 5500           | 20.04          | 5490.08 | 5510.12 | ---        | ---     |
|           |         | 5580           | 20.00          | 5570.08 | 5590.08 | ---        | ---     |
|           |         | 5700           | 19.88          | 5690.20 | 5710.08 | ---        | ---     |
|           |         | 5720           | 19.56          | 5710.08 | 5729.64 | ---        | ---     |
|           |         | 5720 UNII-2C   | 14.92          | 5710.08 | 5725    | ---        | ---     |
|           |         | 5720 UNII-3    | 4.64           | 5725    | 5729.64 | ---        | ---     |
|           |         | 5745           | 20.20          | 5734.92 | 5755.12 | ---        | ---     |
|           |         | 5785           | 19.96          | 5774.88 | 5794.84 | ---        | ---     |
|           |         | 5825           | 19.96          | 5815.04 | 5835.00 | ---        | ---     |
| 11N20SISO | Ant1    | 5180           | 19.84          | 5170.12 | 5189.96 | ---        | ---     |
|           |         | 5200           | 19.92          | 5189.96 | 5209.88 | ---        | ---     |
|           |         | 5240           | 19.84          | 5230.08 | 5249.92 | ---        | ---     |
|           |         | 5260           | 20.04          | 5249.96 | 5270.00 | ---        | ---     |
|           |         | 5280           | 20.16          | 5269.88 | 5290.04 | ---        | ---     |
|           |         | 5320           | 19.76          | 5310.08 | 5329.84 | ---        | ---     |
|           |         | 5500           | 20.20          | 5489.92 | 5510.12 | ---        | ---     |
|           |         | 5580           | 19.80          | 5570.12 | 5589.92 | ---        | ---     |
|           |         | 5700           | 20.04          | 5689.96 | 5710.00 | ---        | ---     |
|           |         | 5720           | 20.20          | 5709.88 | 5730.08 | ---        | ---     |
|           |         | 5720 UNII-2C   | 15.12          | 5709.88 | 5725    | ---        | ---     |
|           |         | 5720 UNII-3    | 5.08           | 5725    | 5730.08 | ---        | ---     |
|           |         | 5745           | 20.92          | 5734.28 | 5755.20 | ---        | ---     |
|           |         | 5785           | 20.20          | 5774.84 | 5795.04 | ---        | ---     |
|           |         | 5825           | 20.24          | 5814.88 | 5835.12 | ---        | ---     |
| 11N40SISO | Ant1    | 5190           | 41.52          | 5169.20 | 5210.72 | ---        | ---     |
|           |         | 5230           | 41.92          | 5209.28 | 5251.20 | ---        | ---     |
|           |         | 5270           | 41.12          | 5249.36 | 5290.48 | ---        | ---     |
|           |         | 5310           | 40.80          | 5289.52 | 5330.32 | ---        | ---     |
|           |         | 5510           | 40.72          | 5489.60 | 5530.32 | ---        | ---     |
|           |         | 5550           | 41.12          | 5529.36 | 5570.48 | ---        | ---     |
|           |         | 5670           | 41.36          | 5649.28 | 5690.64 | ---        | ---     |
|           |         | 5710           | 41.20          | 5689.52 | 5730.72 | ---        | ---     |
|           |         | 5710 UNII-2C   | 35.48          | 5689.52 | 5725    | ---        | ---     |
|           |         | 5710 UNII-3    | 5.72           | 5725    | 5730.72 | ---        | ---     |
|           |         | 5755           | 41.20          | 5734.12 | 5775.32 | ---        | ---     |
|           |         | 5795           | 41.92          | 5774.20 | 5816.12 | ---        | ---     |

## 11.1.2. Test Graphs

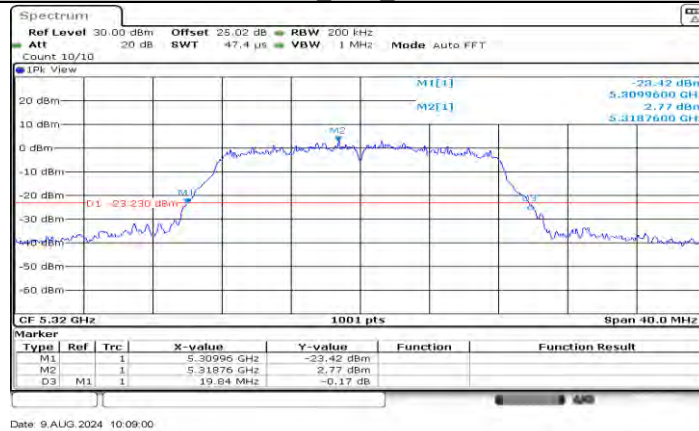




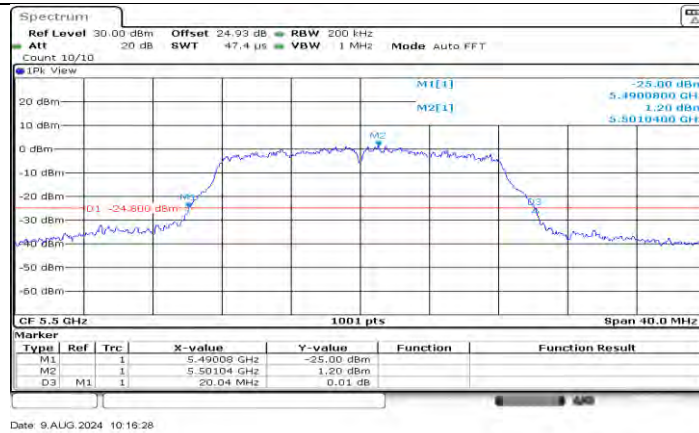
11A Ant1 5260



11A Ant1 5280



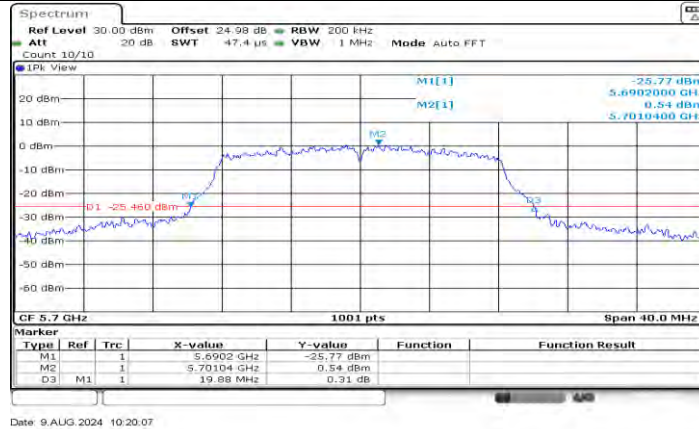
11A Ant1 5320



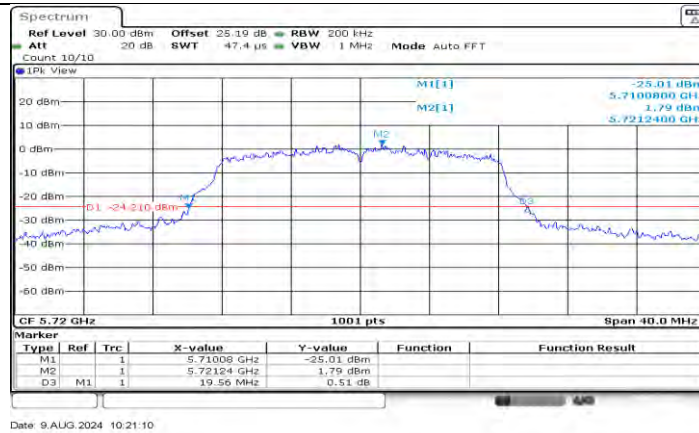
11A\_Ant1\_5500



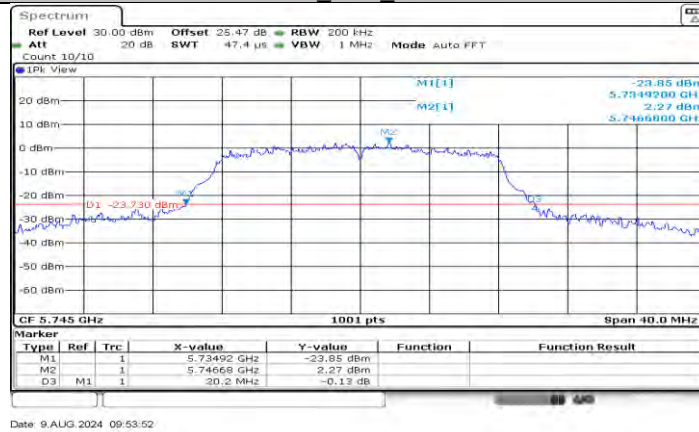
11A\_Ant1\_5580



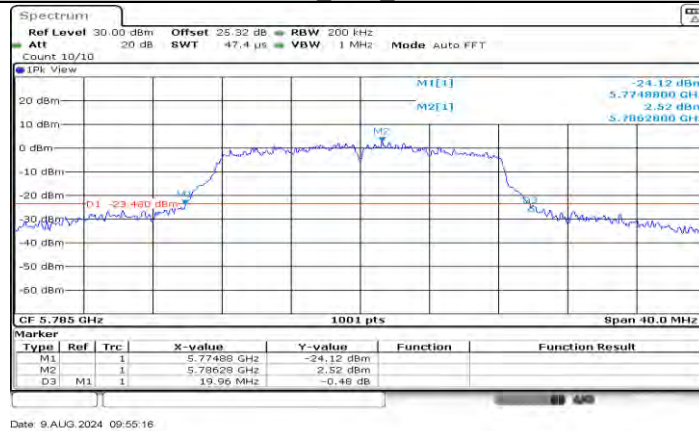
11A\_Ant1\_5700



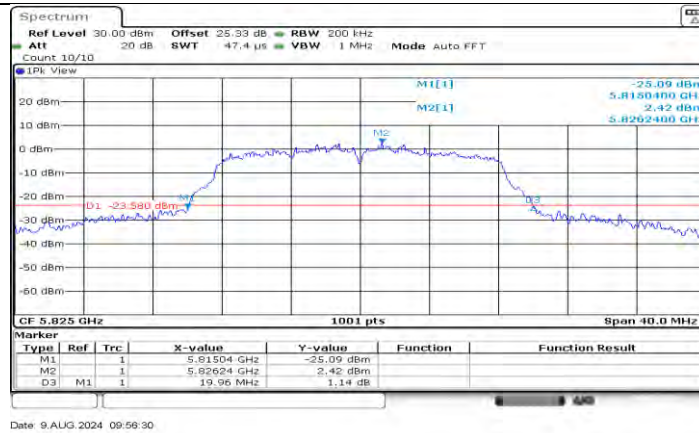
11A Ant1 5720



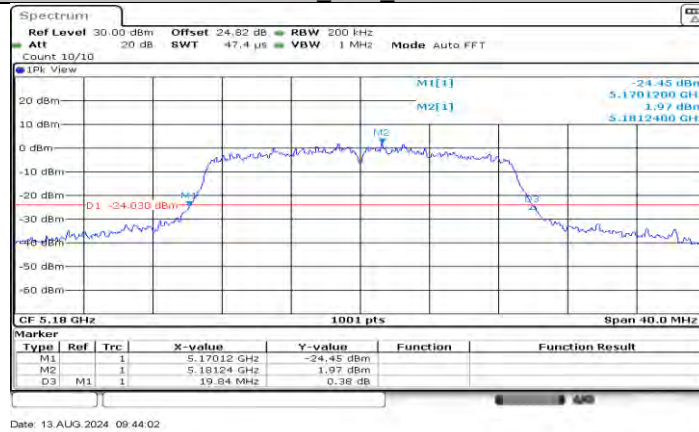
11A Ant1 5745



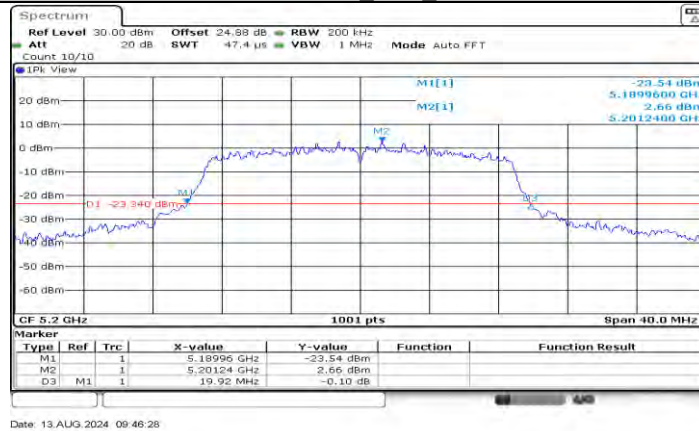
11A Ant1 5785



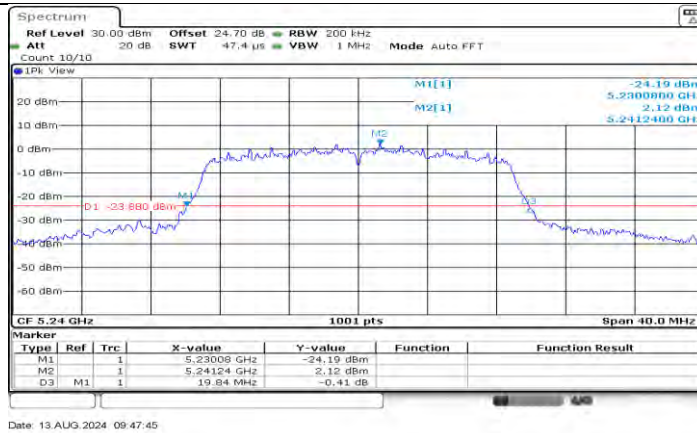
11A Ant1 5825



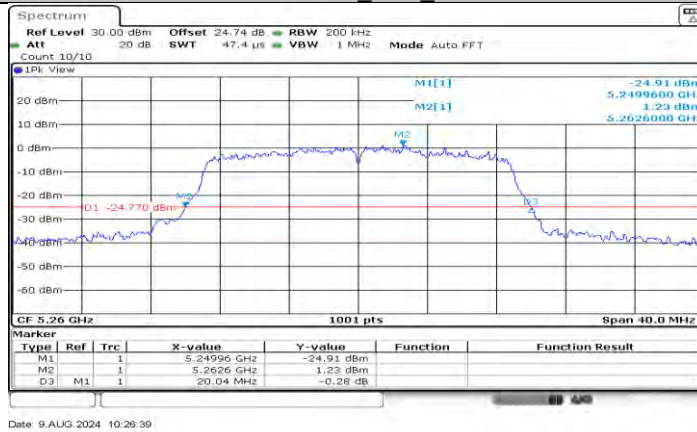
11N20SISO Ant1 5180



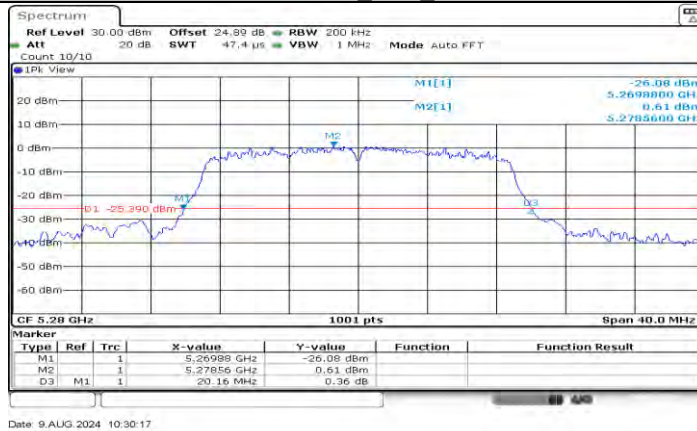
11N20SISO Ant1 5200



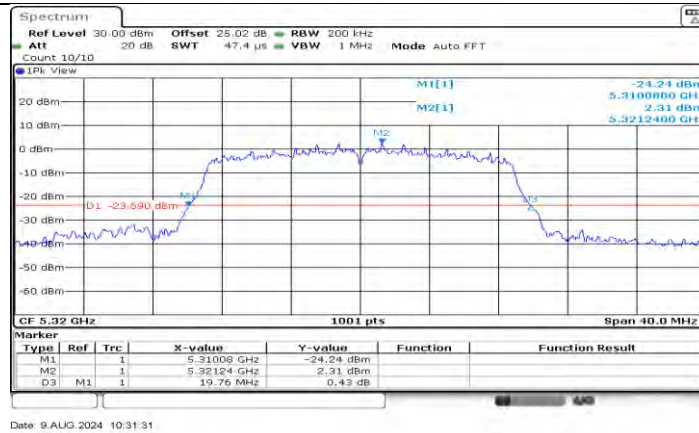
11N20SISO\_Ant1\_5240



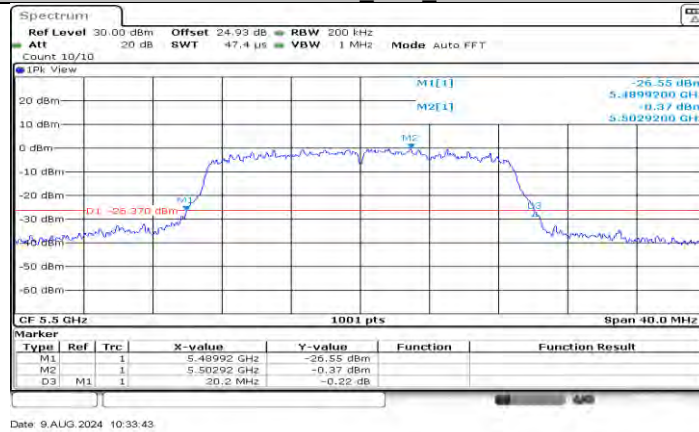
11N20SISO\_Ant1\_5260



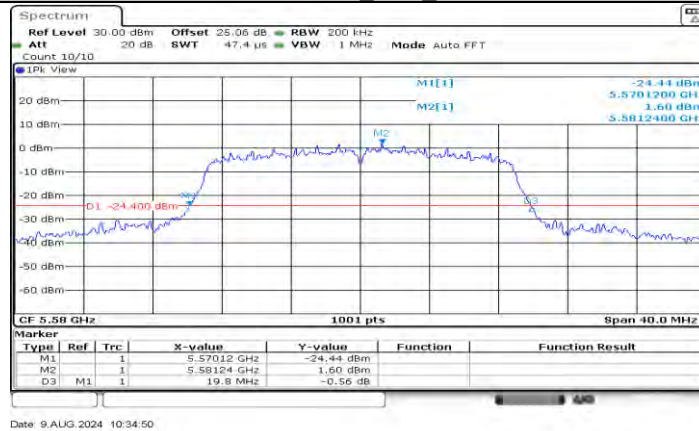
11N20SISO\_Ant1\_5280



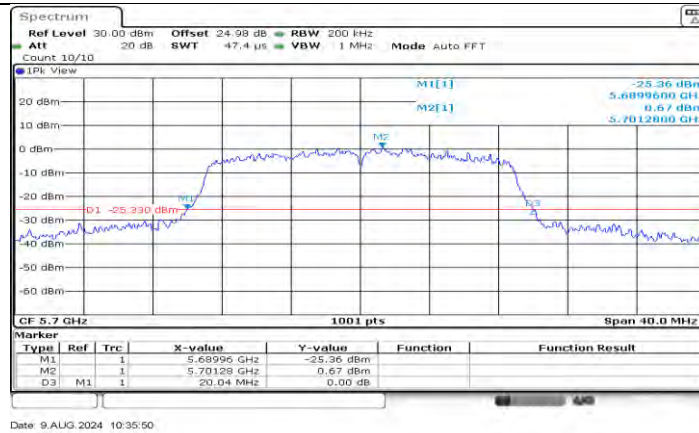
11N20SISO Ant1 5320



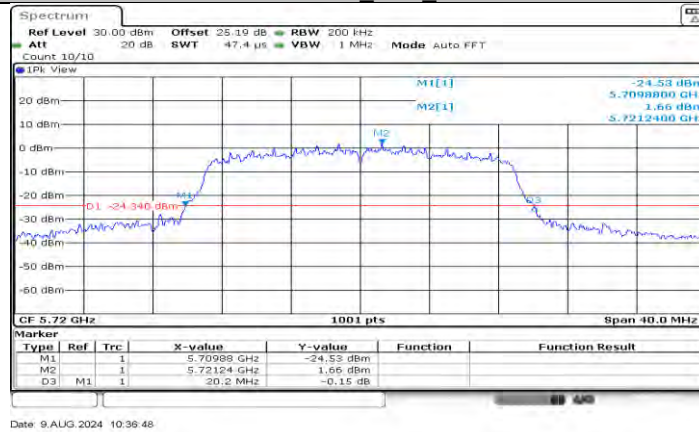
11N20SISO Ant1 5500



11N20SISO Ant1 5580



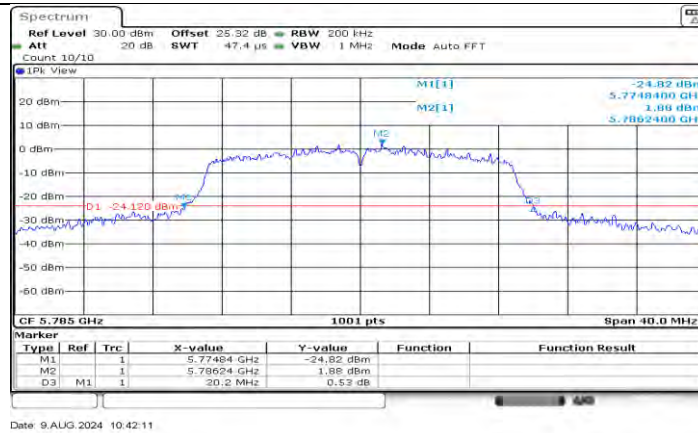
11N20SISO Ant1 5700



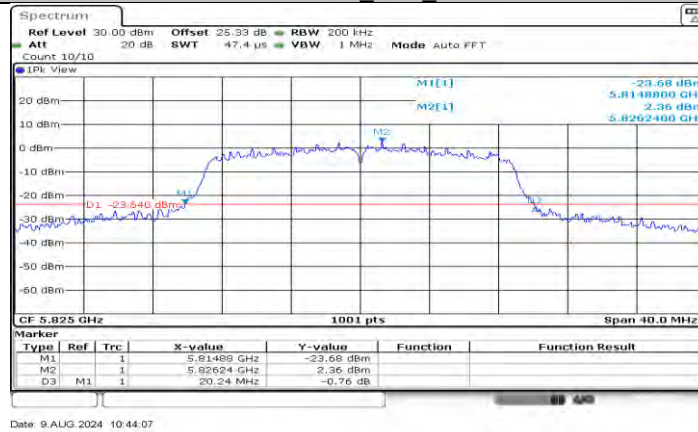
11N20SISO Ant1 5720



11N20SISO Ant1 5745



11N20SISO Ant1 5785



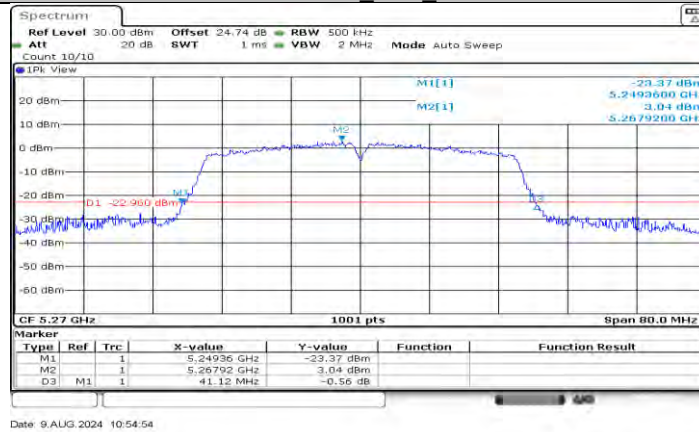
11N20SISO Ant1 5825



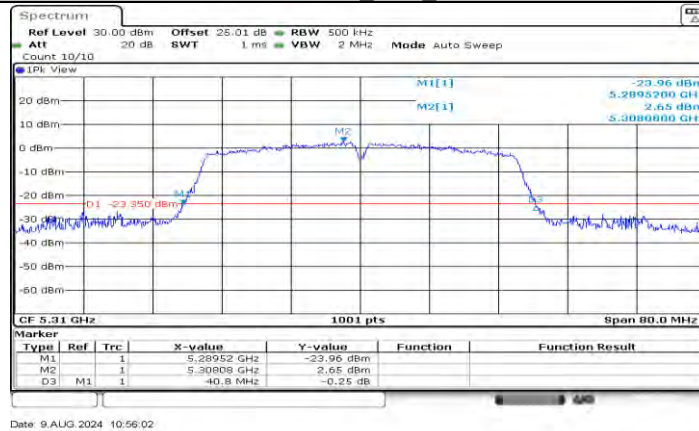
11N40SISO Ant1 5190



11N40SISO\_Ant1\_5230



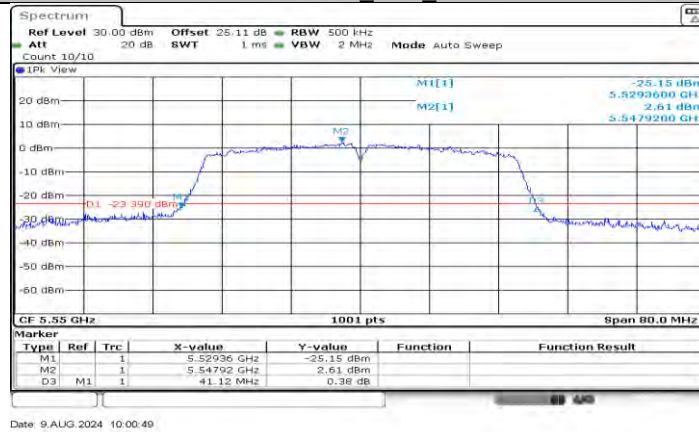
11N40SISO\_Ant1\_5270



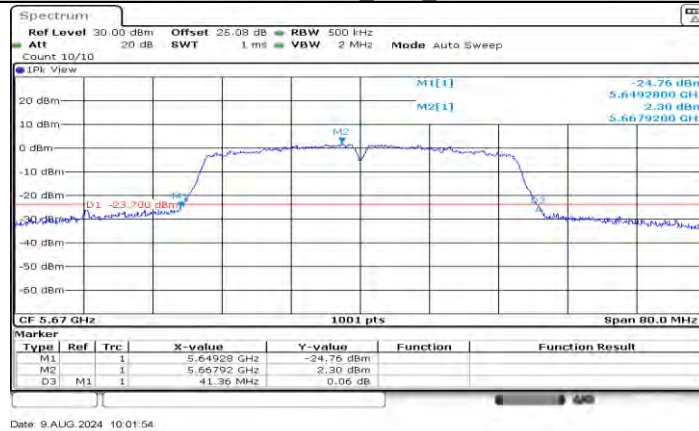
11N40SISO\_Ant1\_5310



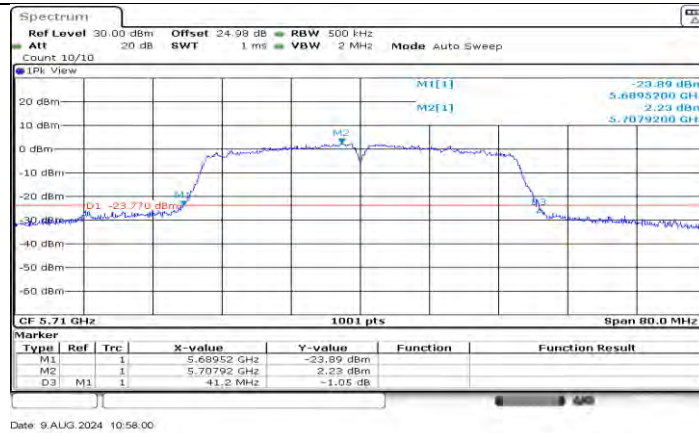
11N40SISO\_Ant1\_5510



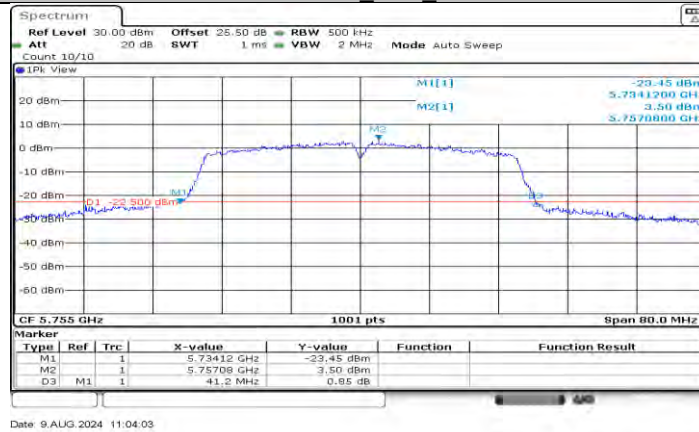
11N40SISO\_Ant1\_5550



11N40SISO\_Ant1\_5670



11N40SISO\_Ant1\_5710



11N40SISO\_Ant1\_5755



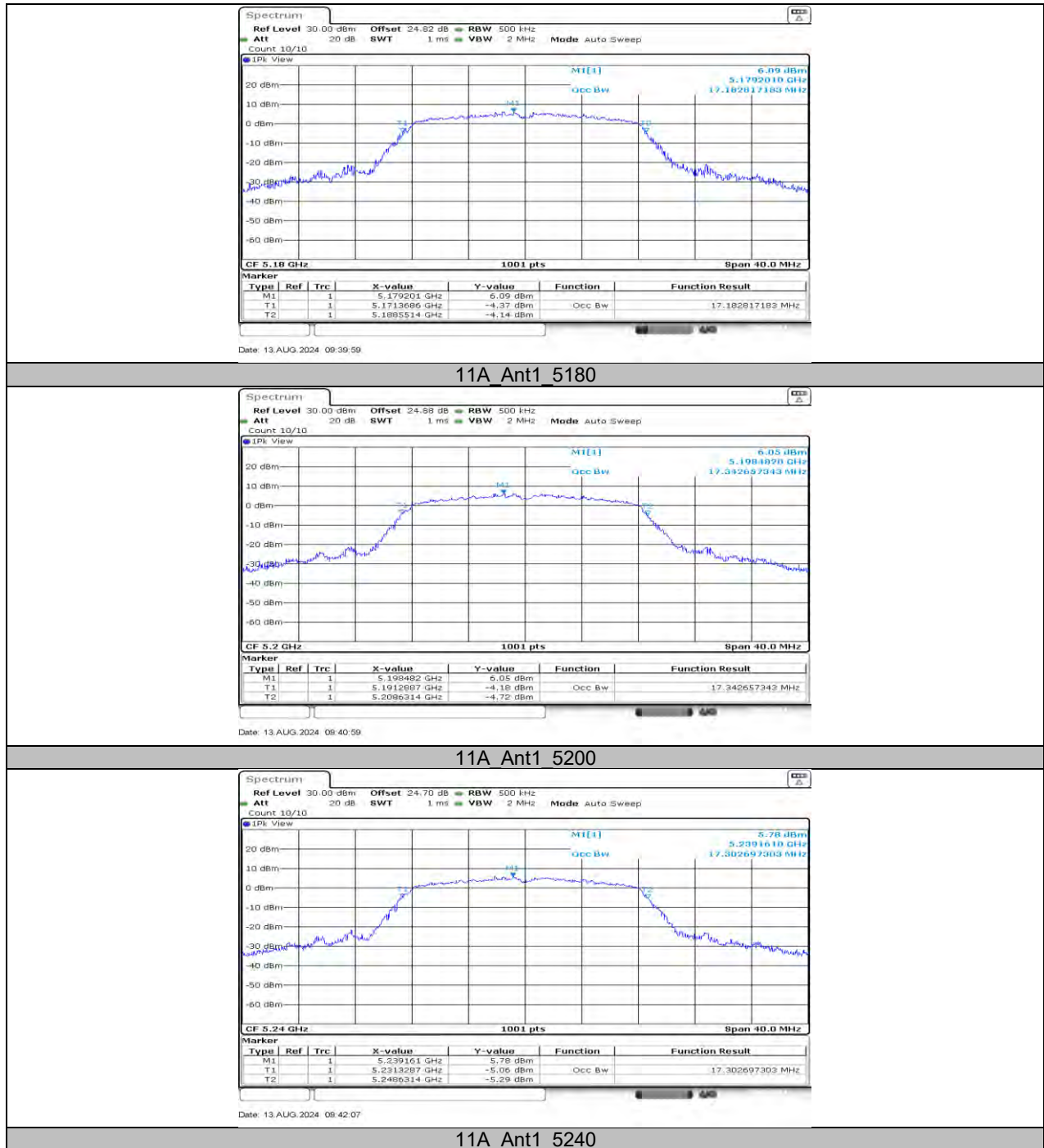
11N40SISO\_Ant1\_5795

## 11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

### 11.2.1. Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| 11A       | Ant1    | 5180           | 17.183    | 5171.3686 | 5188.5514 | ---        | ---     |
|           |         | 5200           | 17.343    | 5191.2887 | 5208.6314 | ---        | ---     |
|           |         | 5240           | 17.303    | 5231.3287 | 5248.6314 | ---        | ---     |
|           |         | 5260           | 17.423    | 5251.2488 | 5268.6713 | ---        | ---     |
|           |         | 5280           | 17.303    | 5271.3287 | 5288.6314 | ---        | ---     |
|           |         | 5320           | 17.383    | 5311.2488 | 5328.6314 | ---        | ---     |
|           |         | 5500           | 17.343    | 5491.2887 | 5508.6314 | ---        | ---     |
|           |         | 5580           | 17.423    | 5571.2488 | 5588.6713 | ---        | ---     |
|           |         | 5700           | 17.502    | 5691.2088 | 5708.7113 | ---        | ---     |
|           |         | 5720           | 17.463    | 5711.2088 | 5728.6713 | ---        | ---     |
|           |         | 5720 UNII-2C   | 13.791    | 5711.2088 | 5725      | ---        | ---     |
|           |         | 5720 UNII-3    | 3.671     | 5725      | 5728.6713 | ---        | ---     |
|           |         | 5745           | 17.622    | 5736.1289 | 5753.7512 | ---        | ---     |
|           |         | 5785           | 17.582    | 5776.1289 | 5793.7113 | ---        | ---     |
|           |         | 5825           | 17.622    | 5816.1688 | 5833.7912 | ---        | ---     |
| 11N20SISO | Ant1    | 5180           | 17.942    | 5171.0490 | 5188.9910 | ---        | ---     |
|           |         | 5200           | 17.982    | 5191.0090 | 5208.9910 | ---        | ---     |
|           |         | 5240           | 17.942    | 5231.0090 | 5248.9510 | ---        | ---     |
|           |         | 5260           | 17.862    | 5251.0889 | 5268.9510 | ---        | ---     |
|           |         | 5280           | 17.902    | 5271.0490 | 5288.9510 | ---        | ---     |
|           |         | 5320           | 17.902    | 5311.0490 | 5328.9510 | ---        | ---     |
|           |         | 5500           | 17.902    | 5491.0490 | 5508.9510 | ---        | ---     |
|           |         | 5580           | 17.902    | 5571.0490 | 5588.9510 | ---        | ---     |
|           |         | 5700           | 17.902    | 5691.0490 | 5708.9510 | ---        | ---     |
|           |         | 5720           | 17.942    | 5711.0090 | 5728.9510 | ---        | ---     |
|           |         | 5720 UNII-2C   | 13.991    | 5711.0090 | 5725      | ---        | ---     |
|           |         | 5720 UNII-3    | 3.951     | 5725      | 5728.9510 | ---        | ---     |
|           |         | 5745           | 18.022    | 5735.9690 | 5753.9910 | ---        | ---     |
|           |         | 5785           | 18.022    | 5775.9690 | 5793.9910 | ---        | ---     |
|           |         | 5825           | 18.022    | 5816.0090 | 5834.0310 | ---        | ---     |
| 11N40SISO | Ant1    | 5190           | 36.364    | 5171.8581 | 5208.2218 | ---        | ---     |
|           |         | 5230           | 36.444    | 5211.8581 | 5248.3017 | ---        | ---     |
|           |         | 5270           | 36.204    | 5251.9381 | 5288.1419 | ---        | ---     |
|           |         | 5310           | 36.284    | 5291.8581 | 5328.1419 | ---        | ---     |
|           |         | 5510           | 36.284    | 5491.9381 | 5528.2218 | ---        | ---     |
|           |         | 5550           | 36.444    | 5531.7782 | 5568.2218 | ---        | ---     |
|           |         | 5670           | 36.364    | 5651.8581 | 5688.2218 | ---        | ---     |
|           |         | 5710           | 36.284    | 5691.9381 | 5728.2218 | ---        | ---     |
|           |         | 5710 UNII-2C   | 33.062    | 5691.9381 | 5725      | ---        | ---     |
|           |         | 5710 UNII-3    | 3.222     | 5725      | 5728.2218 | ---        | ---     |
|           |         | 5755           | 36.444    | 5736.7782 | 5773.2218 | ---        | ---     |
|           |         | 5795           | 36.603    | 5776.6983 | 5813.3017 | ---        | ---     |

## 11.2.2. Test Graphs





11A Ant1 5260



11A Ant1 5280



11A Ant1 5320



11A Ant1 5500



11A Ant1 5580



11A Ant1 5700



11A Ant1 5720



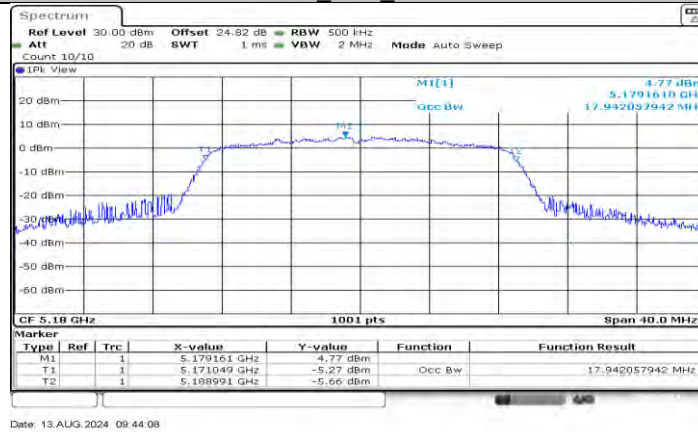
11A Ant1 5745



11A Ant1 5785



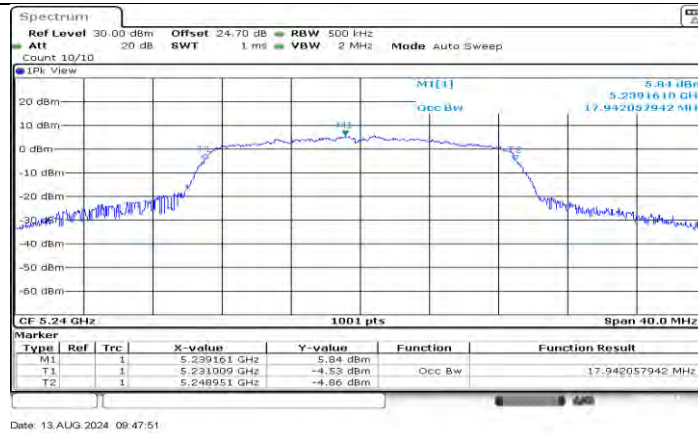
11A Ant1 5825



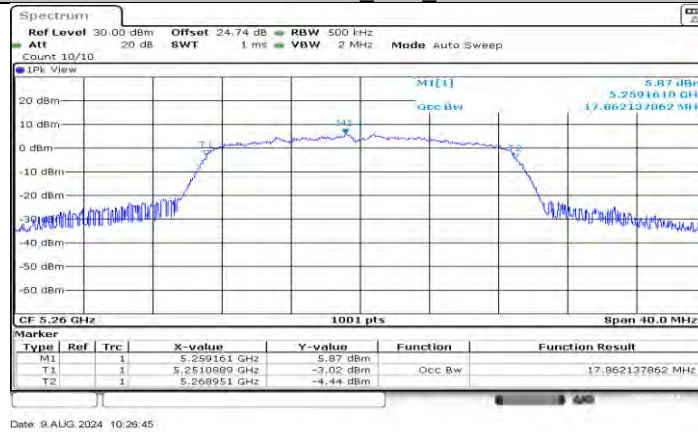
11N20SISO Ant1 5180



11N20SISO Ant1 5200



11N20SISO Ant1 5240



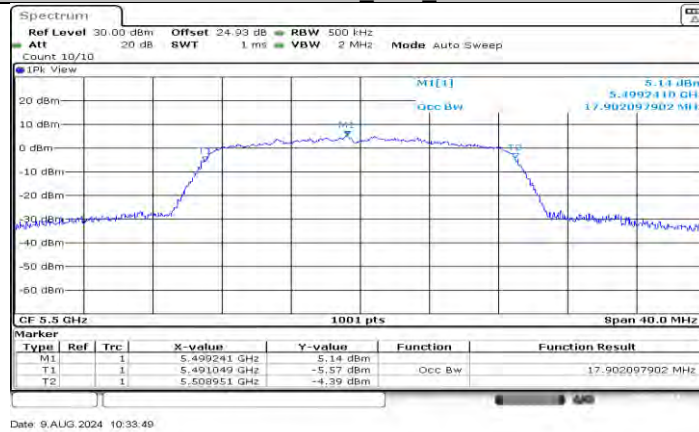
11N20SISO Ant1 5260



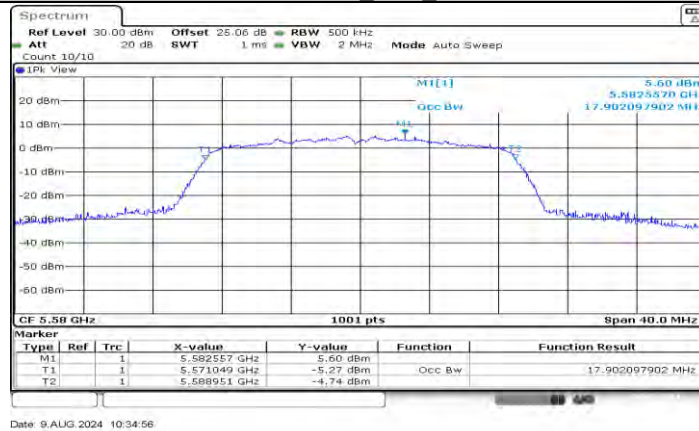
11N20SISO Ant1 5280



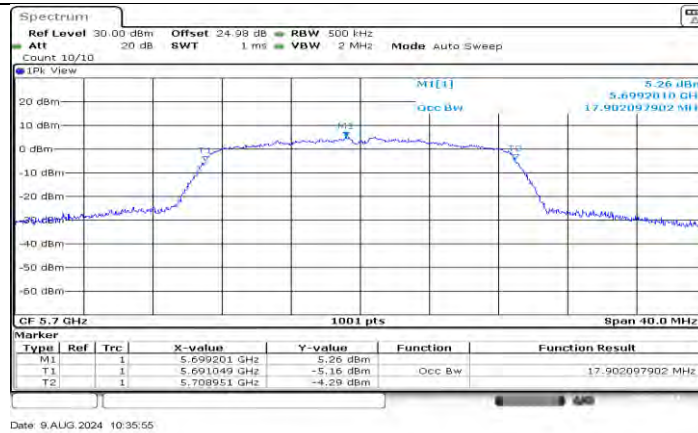
11N20SISO Ant1 5320



11N20SISO Ant1 5500



11N20SISO Ant1 5580



11N20SISO\_Ant1\_5700



11N20SISO\_Ant1\_5720



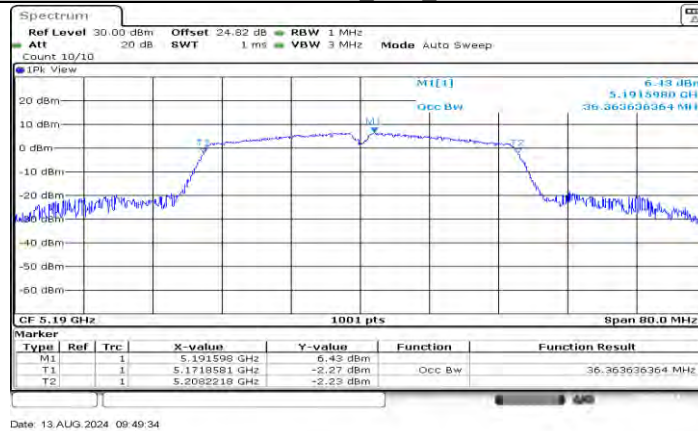
11N20SISO\_Ant1\_5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825



11N40SISO Ant1 5190



11N40SISO\_Ant1\_5230



11N40SISO\_Ant1\_5270



11N40SISO\_Ant1\_5310



11N40SISO\_Ant1\_5510



11N40SISO\_Ant1\_5550



11N40SISO\_Ant1\_5670



11N40SISO\_Ant1\_5710



11N40SISO\_Ant1\_5755



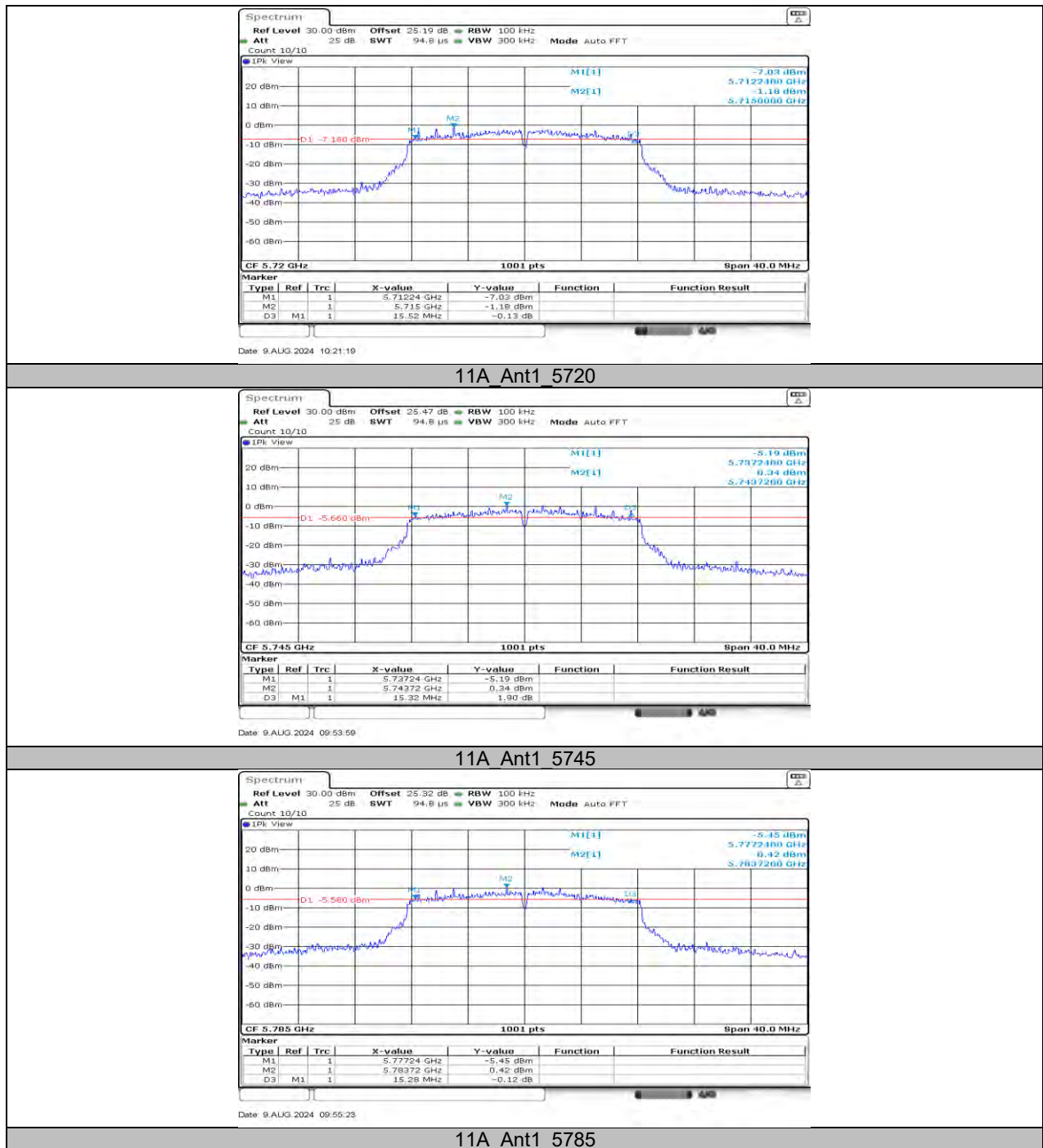
11N40SISO\_Ant1\_5795

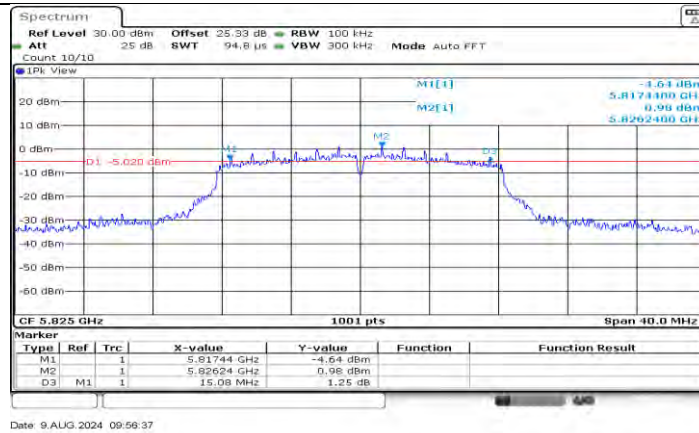
### 11.3. APPENDIX C: MIN EMISSION BANDWIDTH

#### 11.3.1. Test Result

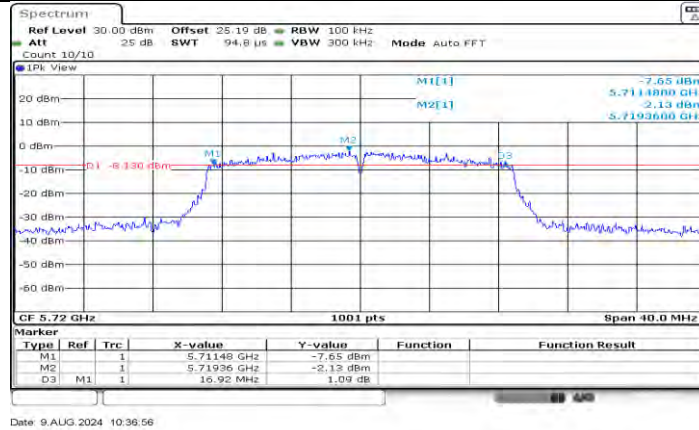
| Test Mode | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|----------------|---------------|---------|---------|------------|---------|
| 11A       | Ant1    | 5720           | 15.52         | 5712.24 | 5727.76 | 0.5        | PASS    |
|           |         | 5720 UNII-3    | 2.76          | 5725    | 5727.76 | 0.5        | PASS    |
|           |         | 5745           | 15.32         | 5737.24 | 5752.56 | 0.5        | PASS    |
|           |         | 5785           | 15.28         | 5777.24 | 5792.52 | 0.5        | PASS    |
|           |         | 5825           | 15.08         | 5817.44 | 5832.52 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 5720           | 16.92         | 5711.48 | 5728.40 | 0.5        | PASS    |
|           |         | 5720 UNII-3    | 3.4           | 5725    | 5728.40 | 0.5        | PASS    |
|           |         | 5745           | 12.88         | 5737.52 | 5750.40 | 0.5        | PASS    |
|           |         | 5785           | 16.80         | 5776.60 | 5793.40 | 0.5        | PASS    |
|           |         | 5825           | 16.28         | 5817.12 | 5833.40 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 5710           | 35.12         | 5692.48 | 5727.60 | 0.5        | PASS    |
|           |         | 5710 UNII-3    | 2.6           | 5725    | 5727.60 | 0.5        | PASS    |
|           |         | 5755           | 35.04         | 5737.48 | 5772.52 | 0.5        | PASS    |
|           |         | 5795           | 35.12         | 5777.48 | 5812.60 | 0.5        | PASS    |

### 11.3.2. Test Graphs

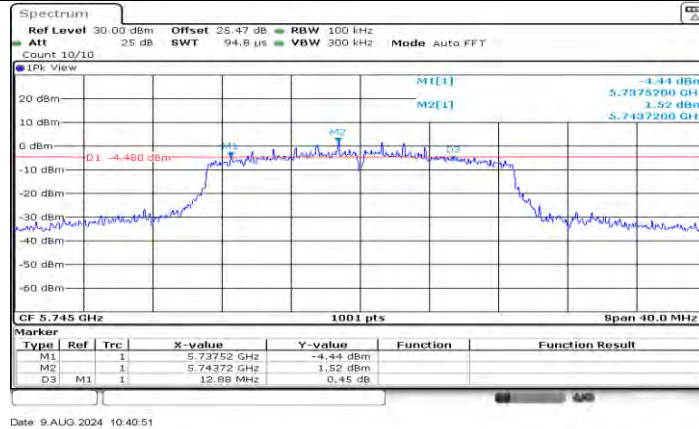




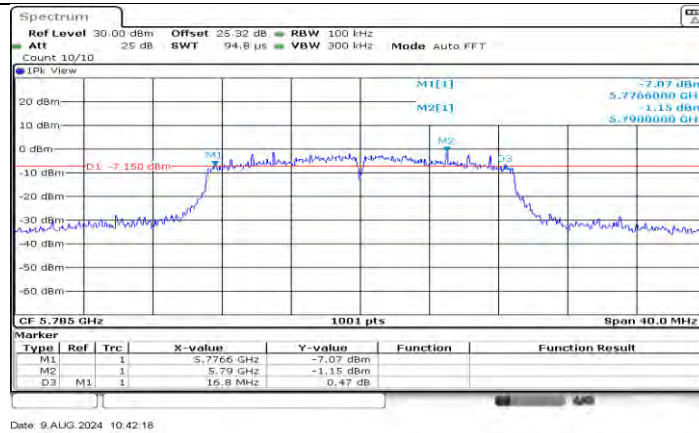
11A Ant1 5825



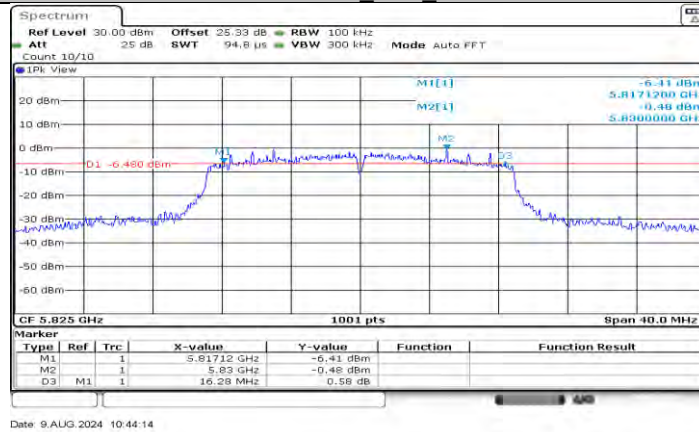
11N20SISO Ant1 5720



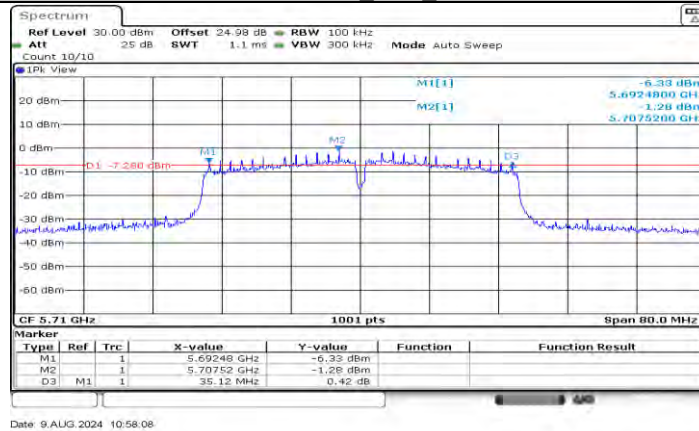
11N20SISO Ant1 5745



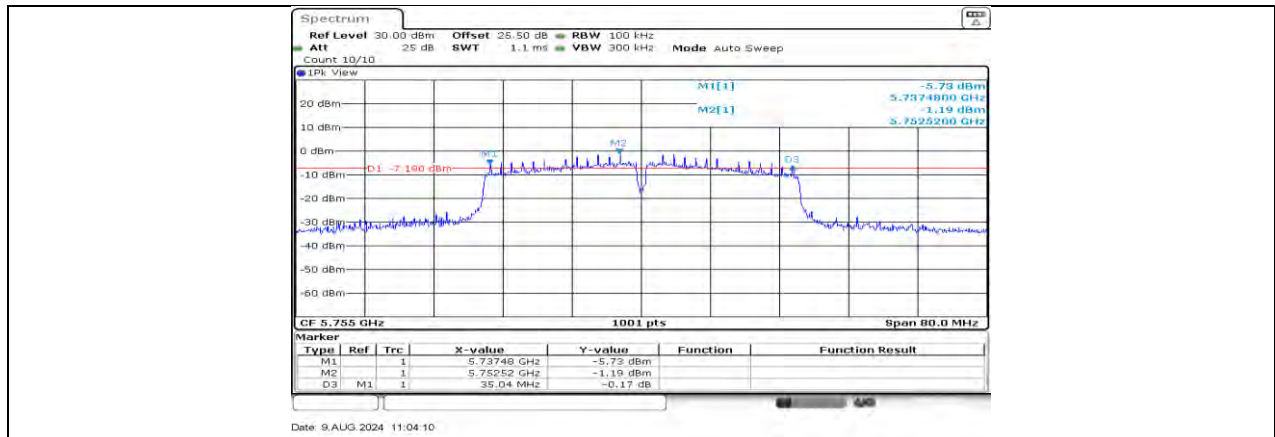
11N20SISO Ant1 5785



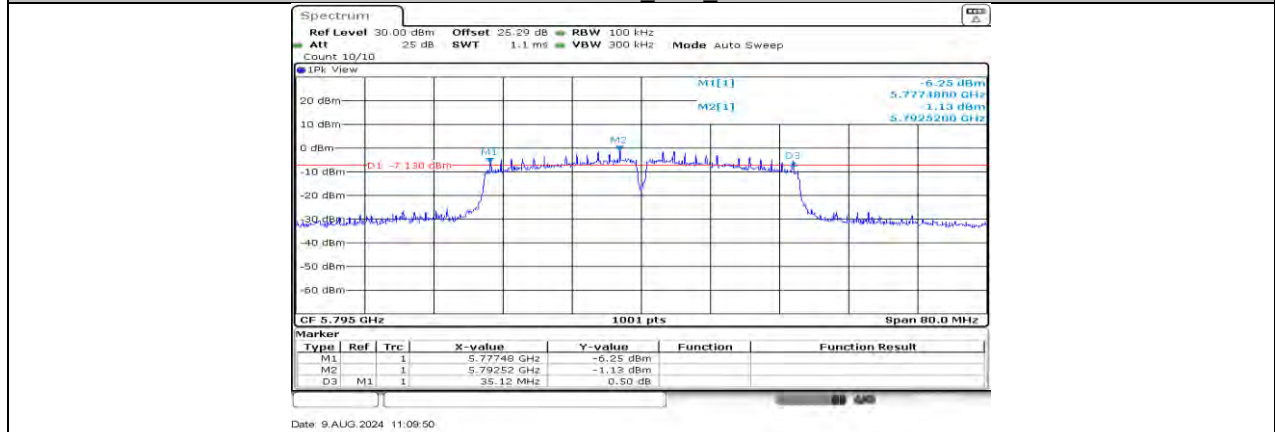
11N20SISO Ant1 5825



11N40SISO Ant1 5710



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795

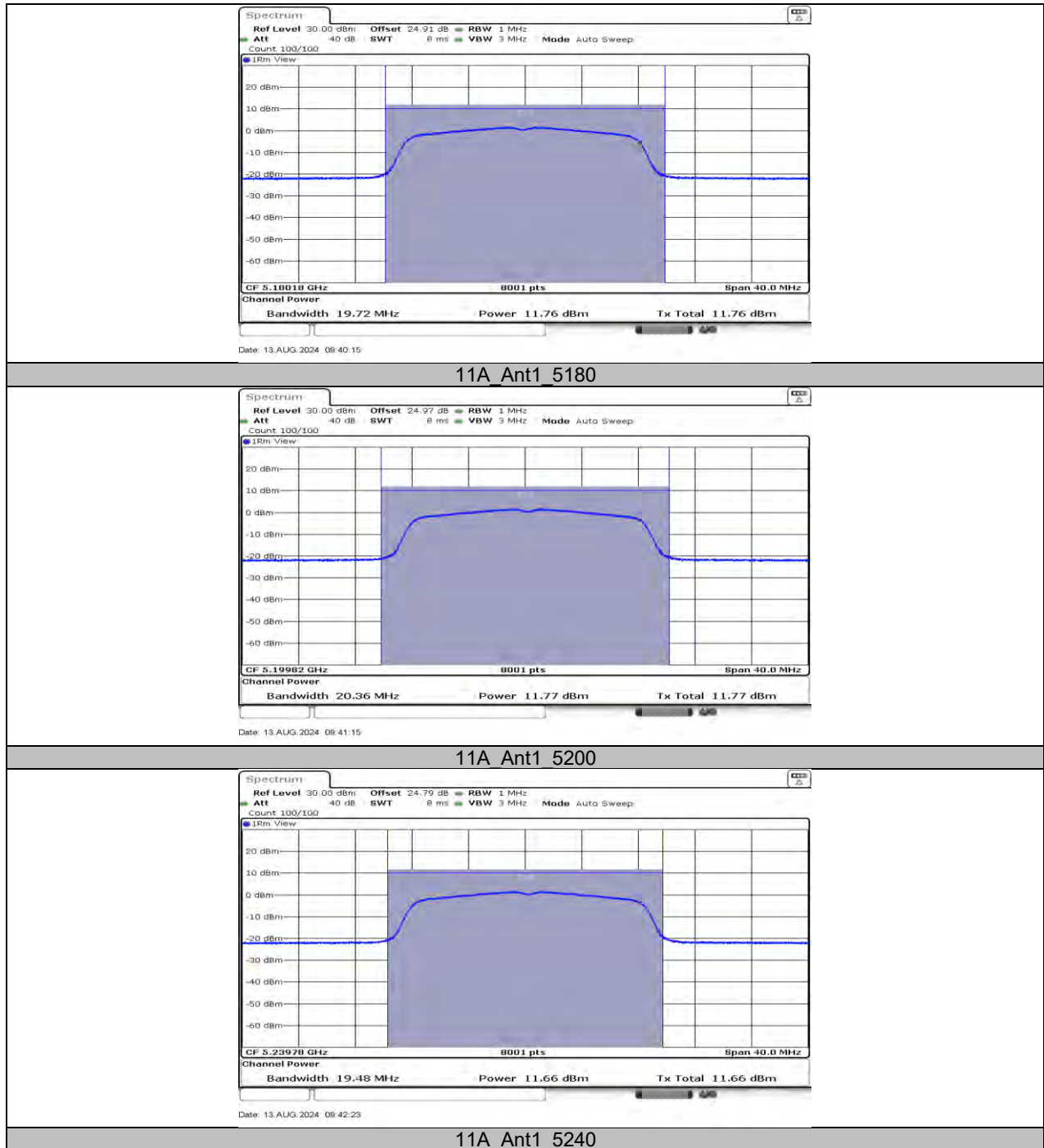
## 11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

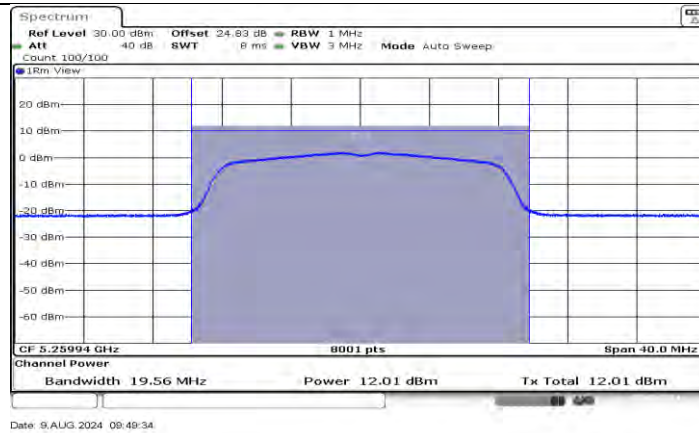
### 11.4.1. Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|----------------|-------------|------------|---------|
| 11A       | Ant1    | 5180           | 11.76       | ≤23.98     | PASS    |
|           |         | 5200           | 11.77       | ≤23.98     | PASS    |
|           |         | 5240           | 11.66       | ≤23.98     | PASS    |
|           |         | 5260           | 12.01       | ≤23.91     | PASS    |
|           |         | 5280           | 12.12       | ≤23.92     | PASS    |
|           |         | 5320           | 11.97       | ≤23.98     | PASS    |
|           |         | 5500           | 10.93       | ≤23.98     | PASS    |
|           |         | 5580           | 10.97       | ≤23.98     | PASS    |
|           |         | 5700           | 10.86       | ≤23.98     | PASS    |
|           |         | 5720 UNII-2C   | 10.88       | ≤22.74     | PASS    |
|           |         | 5720 UNII-3    | 3.20        | ≤30.00     | PASS    |
|           |         | 5745           | 12.10       | ≤30.00     | PASS    |
|           |         | 5785           | 12.11       | ≤30.00     | PASS    |
|           |         | 5825           | 12.22       | ≤30.00     | PASS    |
| 11N20SISO | Ant1    | 5180           | 11.60       | ≤23.98     | PASS    |
|           |         | 5200           | 11.67       | ≤23.98     | PASS    |
|           |         | 5240           | 11.58       | ≤23.98     | PASS    |
|           |         | 5260           | 11.53       | ≤23.98     | PASS    |
|           |         | 5280           | 11.65       | ≤23.98     | PASS    |
|           |         | 5320           | 11.50       | ≤23.96     | PASS    |
|           |         | 5500           | 10.75       | ≤23.98     | PASS    |
|           |         | 5580           | 10.83       | ≤23.97     | PASS    |
|           |         | 5700           | 10.92       | ≤23.98     | PASS    |
|           |         | 5720 UNII-2C   | 10.95       | ≤22.80     | PASS    |
|           |         | 5720 UNII-3    | 3.42        | ≤30.00     | PASS    |
|           |         | 5745           | 11.81       | ≤30.00     | PASS    |
|           |         | 5785           | 11.61       | ≤30.00     | PASS    |
|           |         | 5825           | 11.65       | ≤30.00     | PASS    |
| 11N40SISO | Ant1    | 5190           | 11.88       | ≤23.98     | PASS    |
|           |         | 5230           | 11.71       | ≤23.98     | PASS    |
|           |         | 5270           | 11.68       | ≤23.98     | PASS    |
|           |         | 5310           | 11.70       | ≤23.98     | PASS    |
|           |         | 5510           | 11.16       | ≤23.98     | PASS    |
|           |         | 5550           | 11.18       | ≤23.98     | PASS    |
|           |         | 5670           | 11.14       | ≤23.98     | PASS    |
|           |         | 5710 UNII-2C   | 10.77       | ≤23.98     | PASS    |
|           |         | 5710 UNII-3    | -1.92       | ≤30.00     | PASS    |
|           |         | 5755           | 11.68       | ≤30.00     | PASS    |
|           |         | 5795           | 11.70       | ≤30.00     | PASS    |

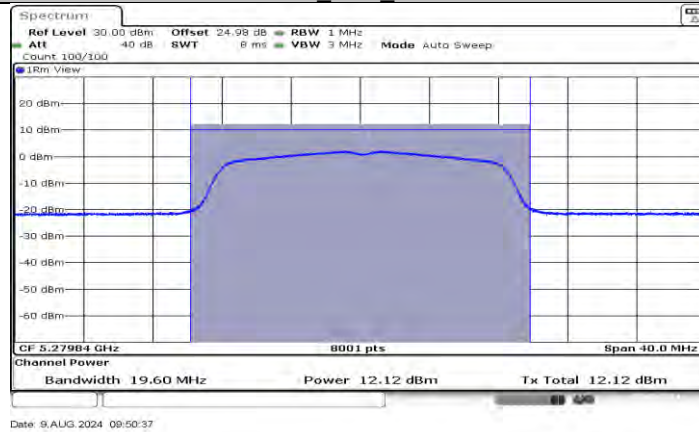
Note: The Duty Cycle Factor is compensated in the graph.

## 11.4.2. Test Graphs

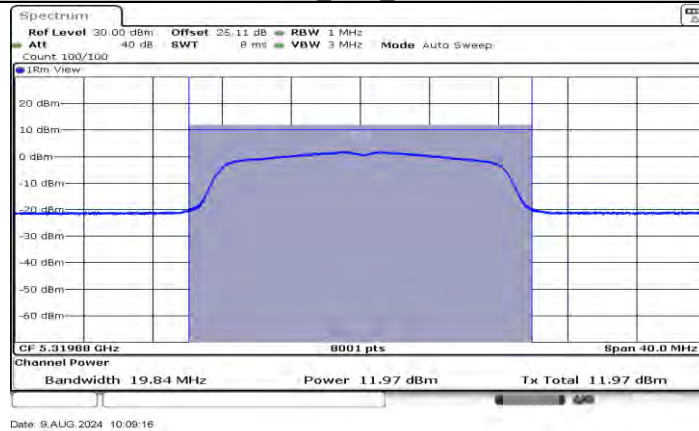




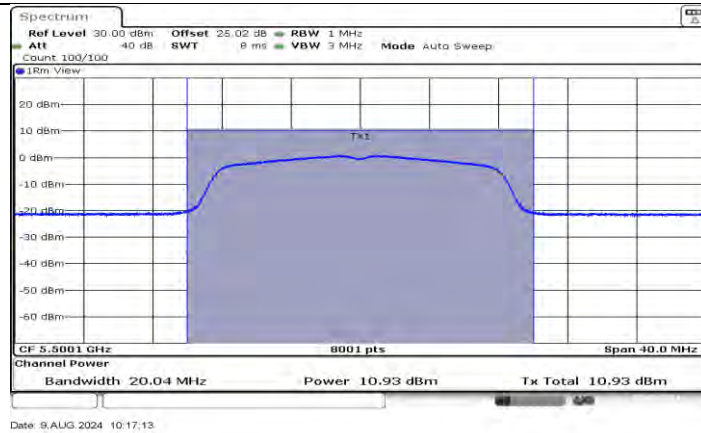
11A\_Ant1\_5260



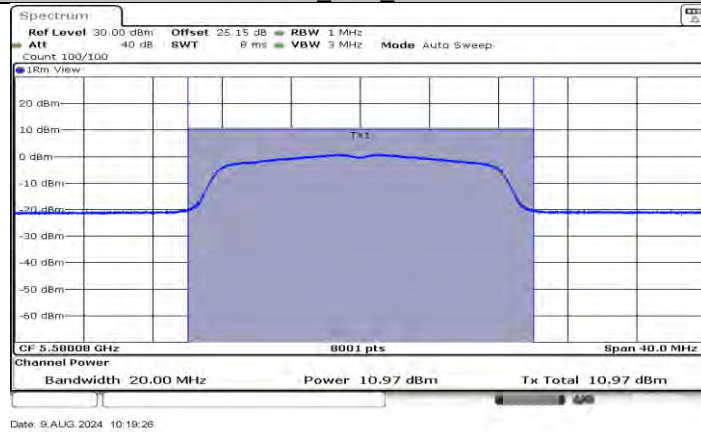
11A\_Ant1\_5280



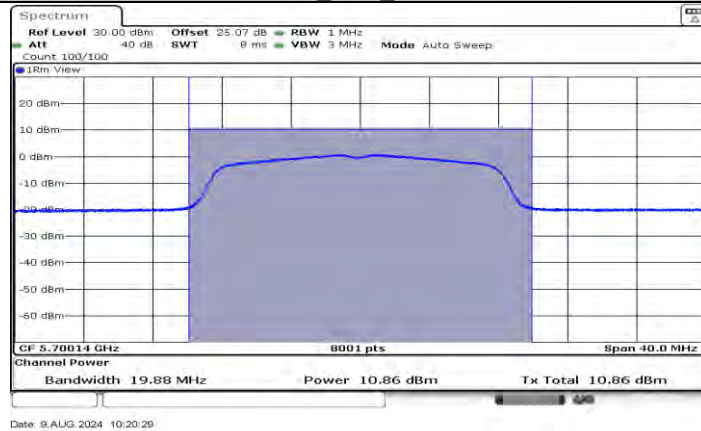
11A\_Ant1\_5320



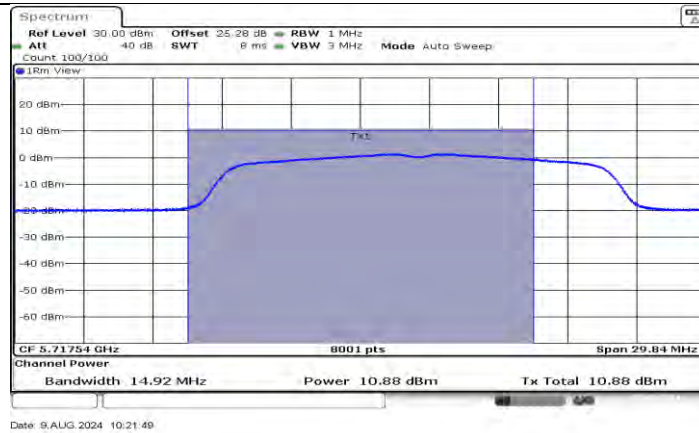
11A\_Ant1\_5500



11A\_Ant1\_5580



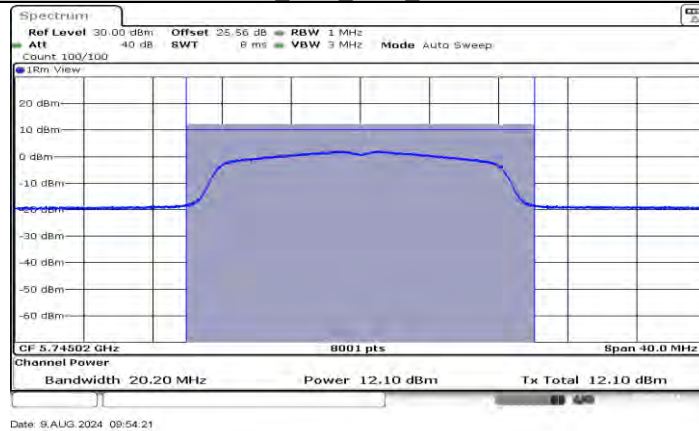
11A\_Ant1\_5700



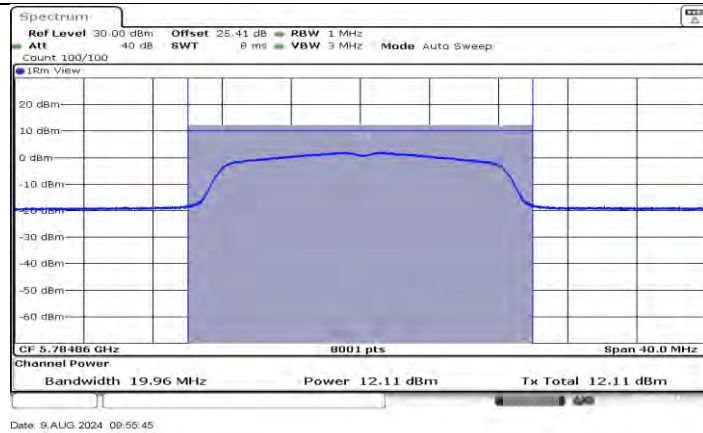
11A Ant1 5720 UNII-2C



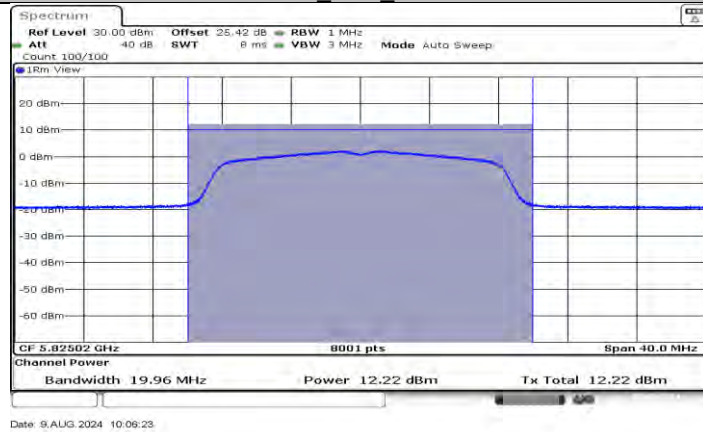
11A Ant1 5720 UNII-3



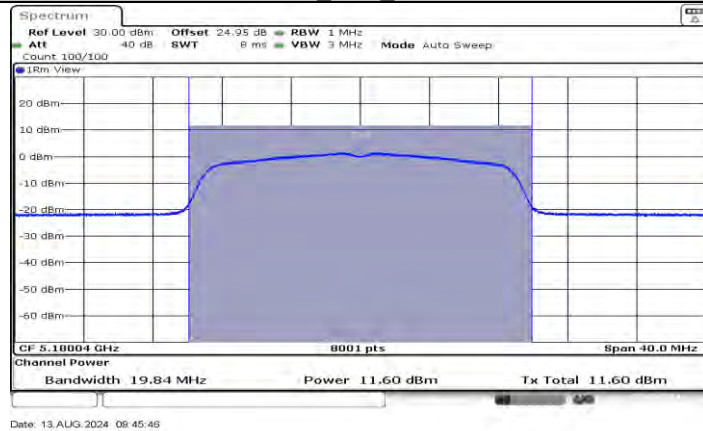
11A Ant1 5745



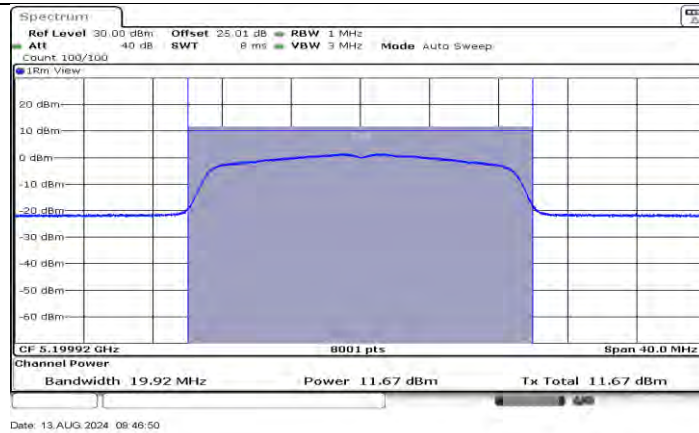
11A Ant1 5785



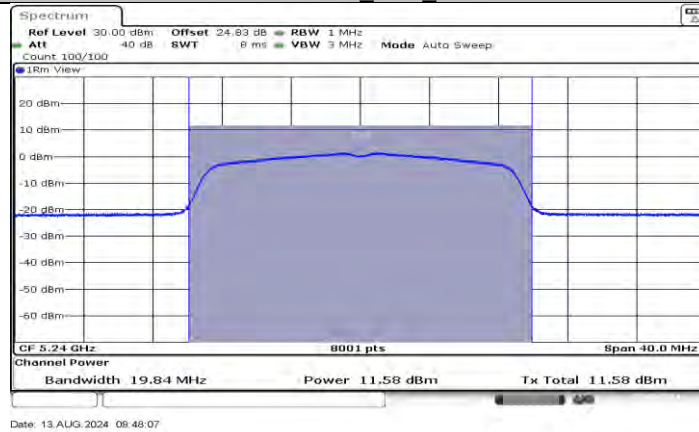
11A Ant1 5825



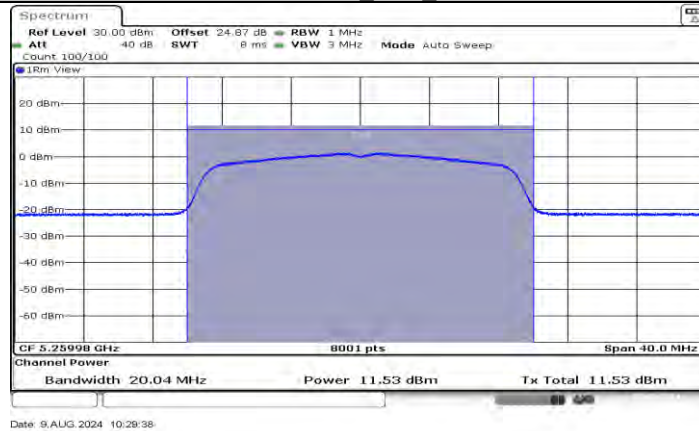
11N20SISO Ant1 5180



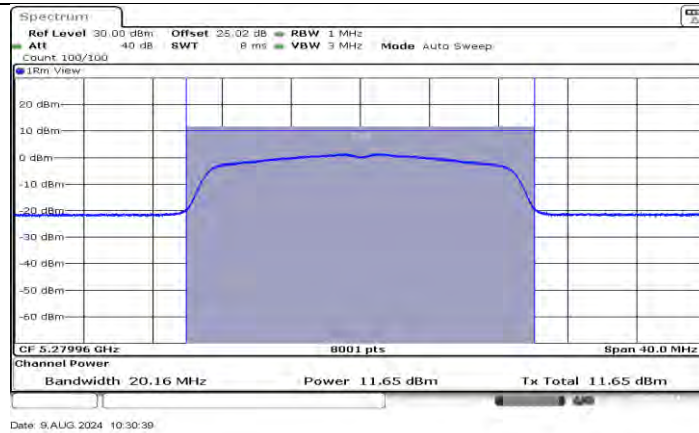
11N20SISO Ant1 5200



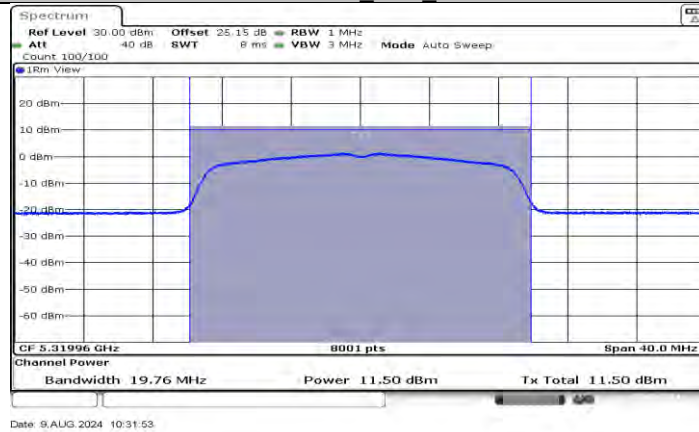
11N20SISO Ant1 5240



11N20SISO Ant1 5260



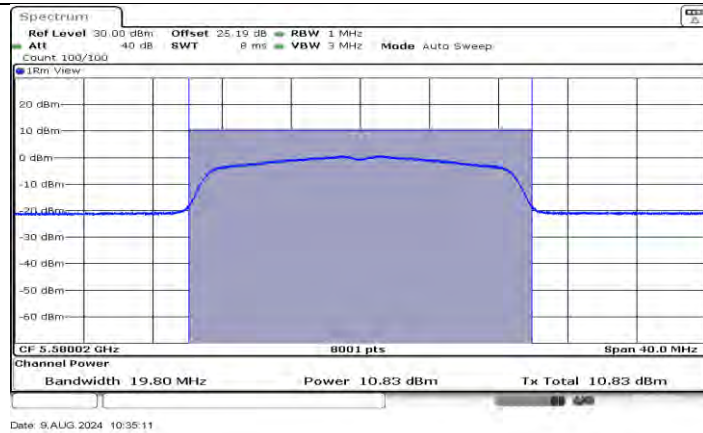
11N20SISO\_Ant1\_5280



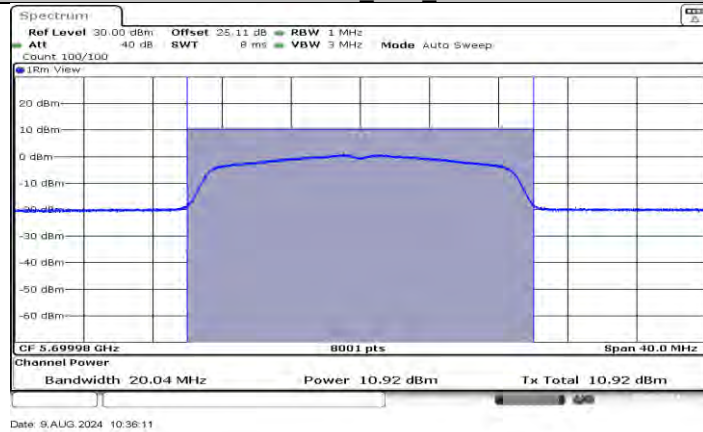
11N20SISO\_Ant1\_5320



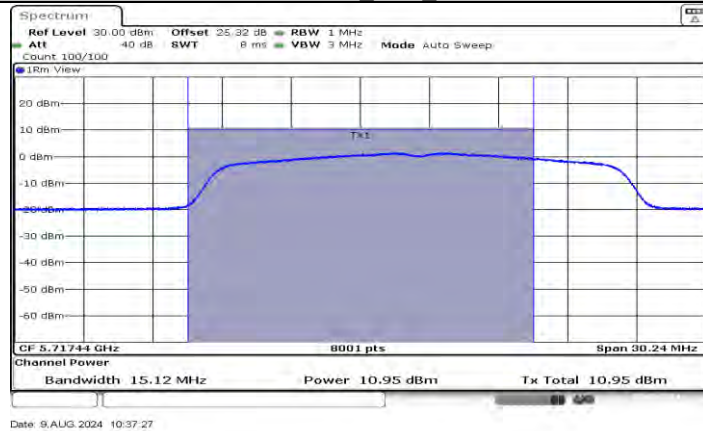
11N20SISO\_Ant1\_5500



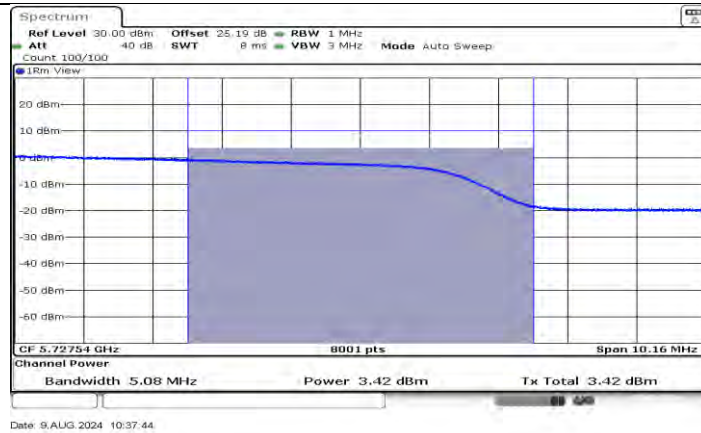
11N20SISO\_Ant1\_5580



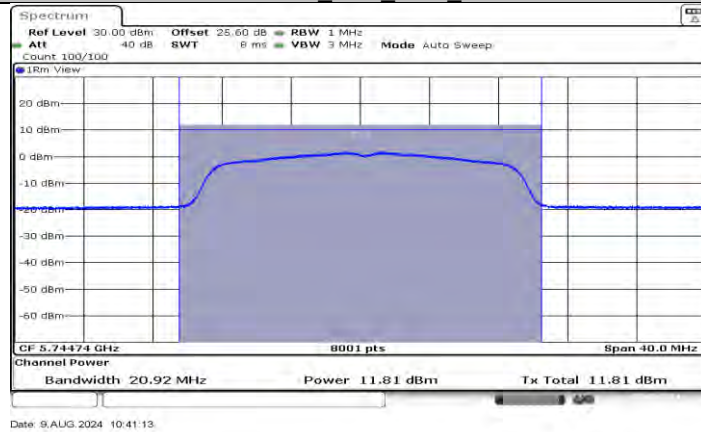
11N20SISO\_Ant1\_5700



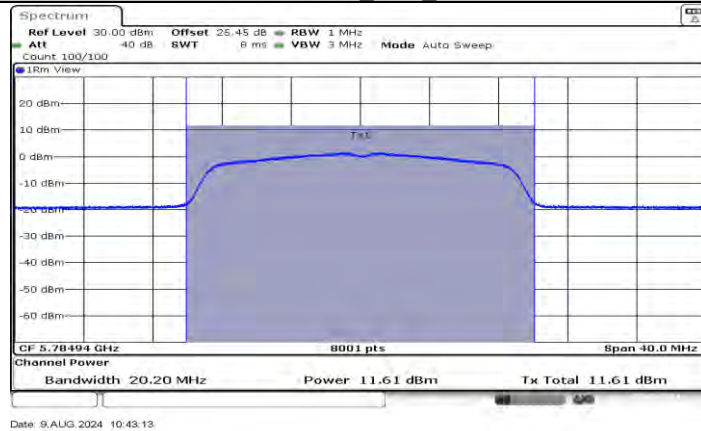
11N20SISO\_Ant1\_5720\_UNII-2C



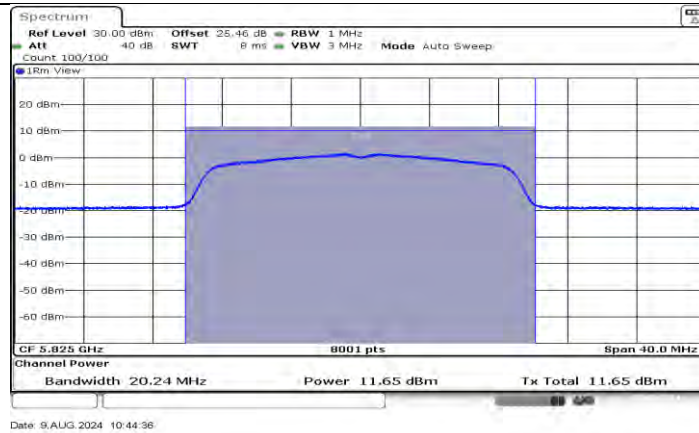
11N20SISO Ant1 5720 UNII-3



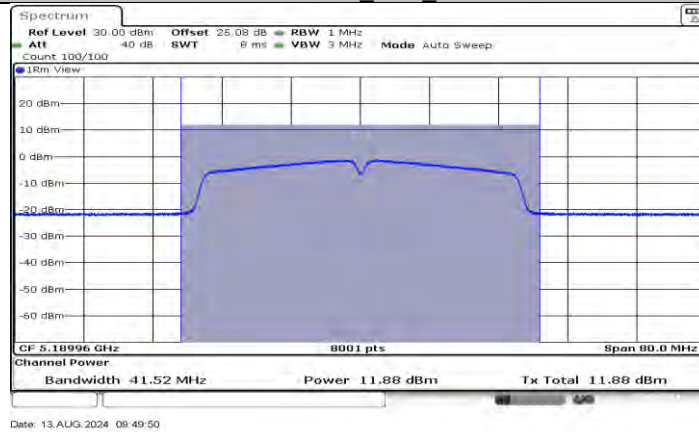
11N20SISO Ant1 5745



11N20SISO Ant1 5785



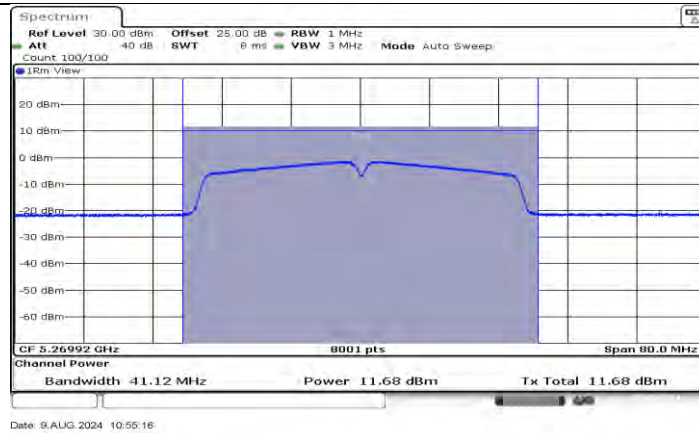
11N20SISO Ant1 5825



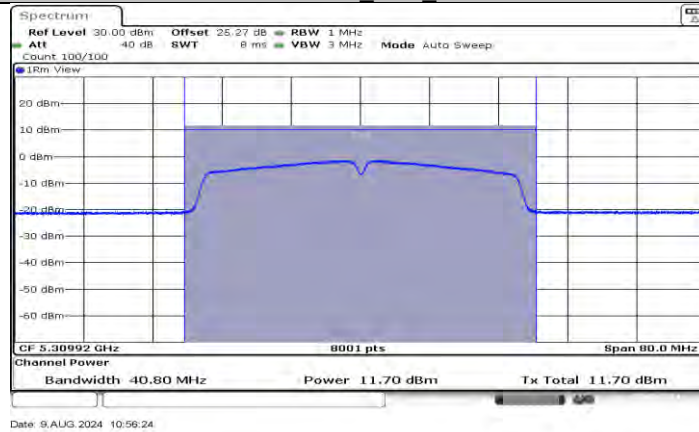
11N40SISO Ant1 5190



11N40SISO Ant1 5230



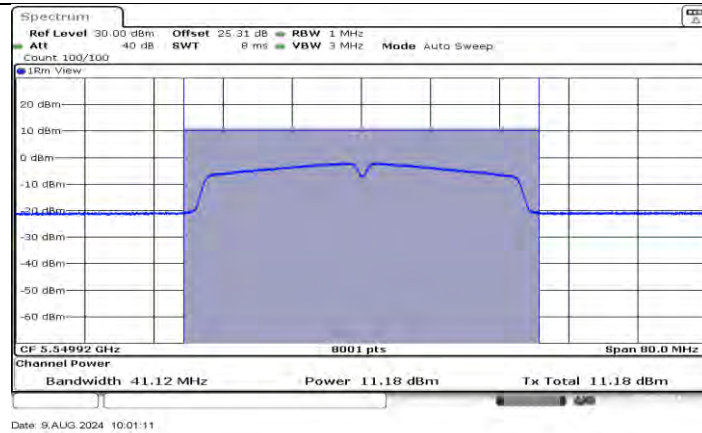
11N40SISO\_Ant1\_5270



11N40SISO\_Ant1\_5310



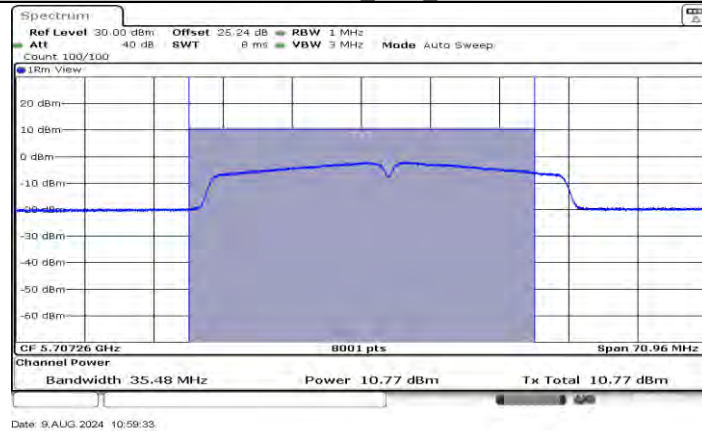
11N40SISO\_Ant1\_5510



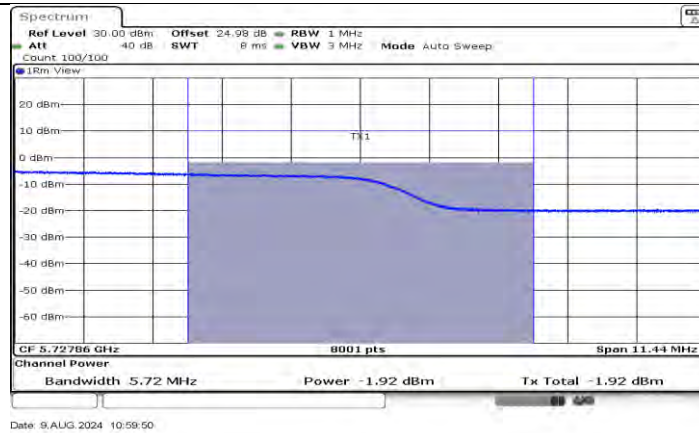
11N40SISO\_Ant1\_5550



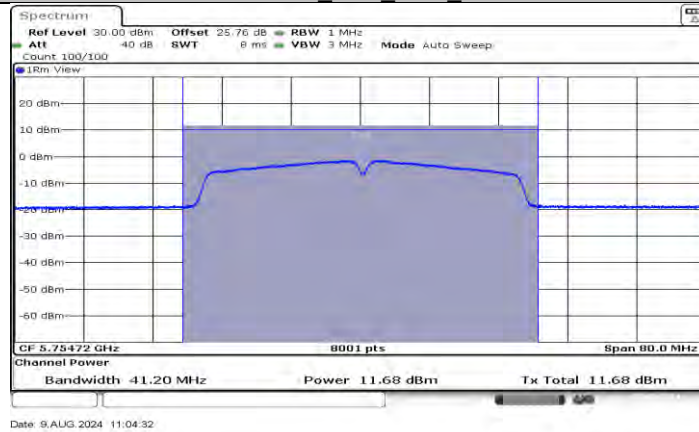
11N40SISO\_Ant1\_5670



11N40SISO\_Ant1\_5710\_UNII-2C



11N40SISO Ant1 5710 UNII-3



11N40SISO Ant1 5755



11N40SISO Ant1 5795

## 11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

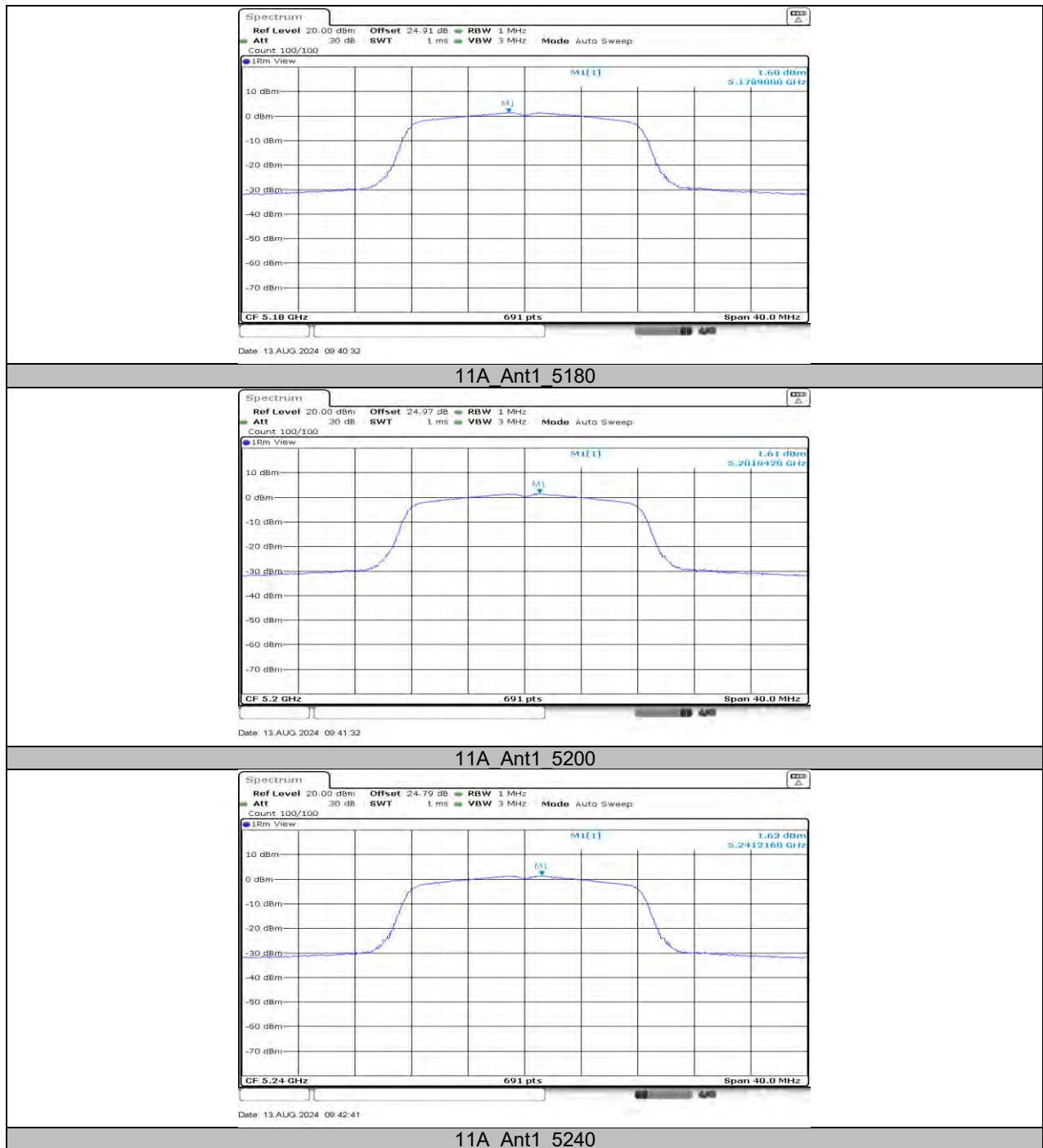
### 11.5.1. Test Result

| Test Mode | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|-----------|---------|----------------|------------------|----------------|---------|
| 11A       | Ant1    | 5180           | 1.60             | ≤11.00         | PASS    |
|           |         | 5200           | 1.61             | ≤11.00         | PASS    |
|           |         | 5240           | 1.63             | ≤11.00         | PASS    |
|           |         | 5260           | 1.83             | ≤11.00         | PASS    |
|           |         | 5280           | 1.99             | ≤11.00         | PASS    |
|           |         | 5320           | 1.83             | ≤11.00         | PASS    |
|           |         | 5500           | 0.79             | ≤11.00         | PASS    |
|           |         | 5580           | 0.86             | ≤11.00         | PASS    |
|           |         | 5700           | 0.59             | ≤11.00         | PASS    |
|           |         | 5720 UNII-2C   | 1.55             | ≤11.00         | PASS    |
|           |         | 5720 UNII-3    | -3.57            | ≤30.00         | PASS    |
|           |         | 5745           | -0.92            | ≤30.00         | PASS    |
|           |         | 5785           | -0.88            | ≤30.00         | PASS    |
|           |         | 5825           | -0.76            | ≤30.00         | PASS    |
| 11N20SISO | Ant1    | 5180           | 1.29             | ≤11.00         | PASS    |
|           |         | 5200           | 1.44             | ≤11.00         | PASS    |
|           |         | 5240           | 1.43             | ≤11.00         | PASS    |
|           |         | 5260           | 1.14             | ≤11.00         | PASS    |
|           |         | 5280           | 1.32             | ≤11.00         | PASS    |
|           |         | 5320           | 1.18             | ≤11.00         | PASS    |
|           |         | 5500           | 0.57             | ≤11.00         | PASS    |
|           |         | 5580           | 0.55             | ≤11.00         | PASS    |
|           |         | 5700           | 0.67             | ≤11.00         | PASS    |
|           |         | 5720 UNII-2C   | 1.40             | ≤11.00         | PASS    |
|           |         | 5720 UNII-3    | -3.54            | ≤30.00         | PASS    |
|           |         | 5745           | -1.09            | ≤30.00         | PASS    |
|           |         | 5785           | -1.49            | ≤30.00         | PASS    |
|           |         | 5825           | -1.25            | ≤30.00         | PASS    |
| 11N40SISO | Ant1    | 5190           | -1.34            | ≤11.00         | PASS    |
|           |         | 5230           | -1.60            | ≤11.00         | PASS    |
|           |         | 5270           | -1.68            | ≤11.00         | PASS    |
|           |         | 5310           | -1.52            | ≤11.00         | PASS    |
|           |         | 5510           | -2.07            | ≤11.00         | PASS    |
|           |         | 5550           | -2.19            | ≤11.00         | PASS    |
|           |         | 5670           | -2.25            | ≤11.00         | PASS    |
|           |         | 5710 UNII-2C   | -2.42            | ≤11.00         | PASS    |
|           |         | 5710 UNII-3    | -9.22            | ≤30.00         | PASS    |
|           |         | 5755           | -4.39            | ≤30.00         | PASS    |
|           |         | 5795           | -4.47            | ≤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 and RBW Factor is compensated in the graph.

## 11.5.2. Test Graphs





11A Ant1 5260



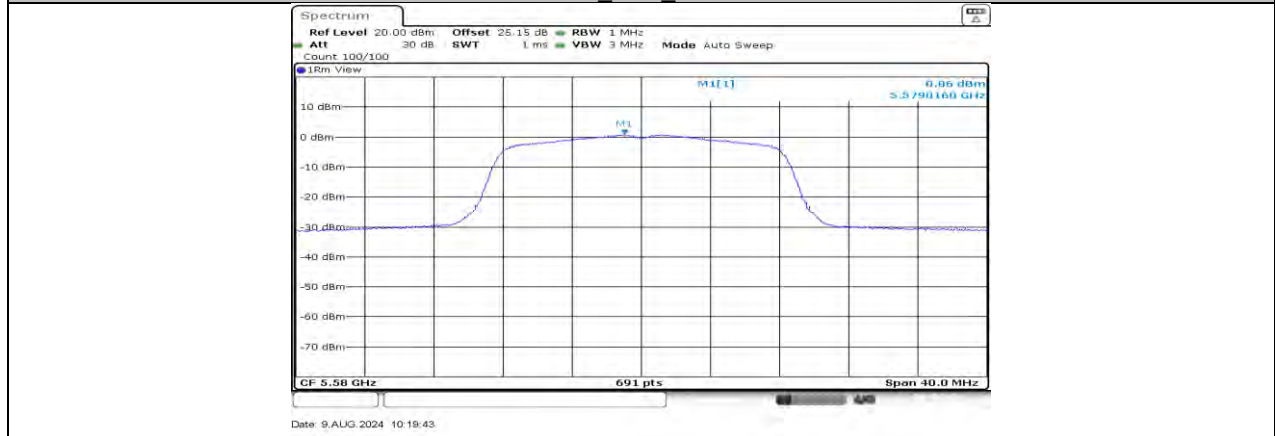
11A Ant1 5280



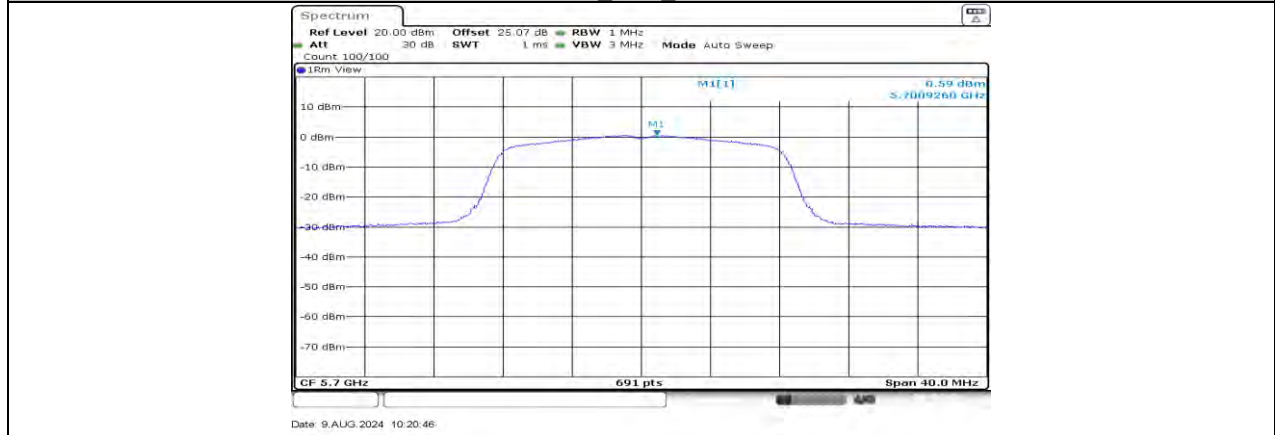
11A Ant1 5320



11A\_Ant1\_5500



11A\_Ant1\_5580



11A\_Ant1\_5700



11A Ant1 5720 UNII-2C



11A Ant1 5720 UNII-3



11A Ant1 5745



11A Ant1 5785



11A Ant1 5825



11N20SISO Ant1 5180



11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



11N20SISO\_Ant1\_5260



11N20SISO\_Ant1\_5280



11N20SISO\_Ant1\_5320



11N20SISO\_Ant1\_5500



11N20SISO\_Ant1\_5580



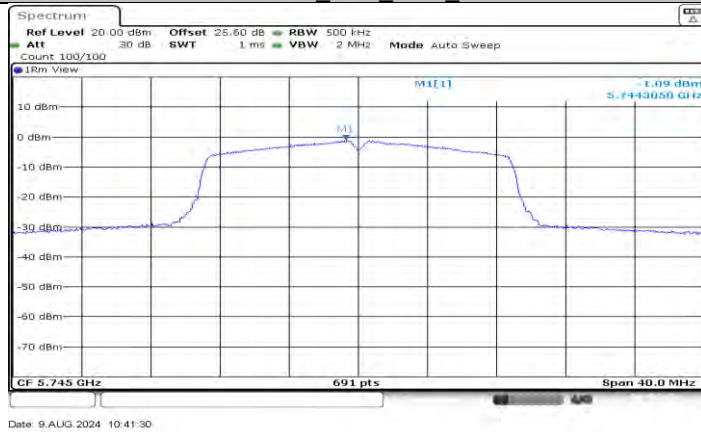
11N20SISO\_Ant1\_5700



11N20SISO\_Ant1\_5720\_UNII-2C



11N20SISO Ant1 5720 UNII-3



11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



11N40SISO Ant1 5270



11N40SISO Ant1 5310



11N40SISO Ant1 5510



11N40SISO\_Ant1\_5550



11N40SISO\_Ant1\_5670



11N40SISO\_Ant1\_5710\_UNII-2C



11N40SISO Ant1 5710 UNII-3



11N40SISO Ant1 5755



11N40SISO Ant1 5795

## 11.6. APPENDIX I: FREQUENCY STABILITY

### 11.6.1. Test Result

### 11.6.2. Test Result

| Frequency Error vs. Voltage     |       |                  |                 |                  |                 |                  |                 |                  |                 |
|---------------------------------|-------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11a:5200MHz                 |       |                  |                 |                  |                 |                  |                 |                  |                 |
| Temp.                           | Volt. | 0 Minute         |                 | 2 Minute         |                 | 5 Minute         |                 | 10 Minute        |                 |
|                                 |       | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| TN                              | VL    | 5200.0071        | 1.36            | 5199.9846        | -2.96           | 5199.9778        | -4.27           | 5199.9752        | -4.77           |
| TN                              | VN    | 5199.9864        | -2.62           | 5199.9845        | -2.98           | 5199.9804        | -3.76           | 5199.9855        | -2.78           |
| TN                              | VH    | 5199.9996        | -0.07           | 5199.9774        | -4.34           | 5200.0056        | 1.07            | 5200.0124        | 2.38            |
| Frequency Error vs. Temperature |       |                  |                 |                  |                 |                  |                 |                  |                 |
| 802.11a:5200MHz                 |       |                  |                 |                  |                 |                  |                 |                  |                 |
| Temp.                           | Volt. | 0 Minute         |                 | 2 Minute         |                 | 5 Minute         |                 | 10 Minute        |                 |
|                                 |       | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| 40                              | VN    | 5199.9810        | -3.65           | 5200.0131        | 2.52            | 5199.9782        | -4.18           | 5199.9892        | -2.07           |
| 30                              | VN    | 5199.9870        | -2.50           | 5200.0129        | 2.48            | 5200.0009        | 0.17            | 5199.9888        | -2.16           |
| 20                              | VN    | 5199.9778        | -4.26           | 5199.9878        | -2.34           | 5200.0068        | 1.30            | 5200.0244        | 4.69            |
| 10                              | VN    | 5199.9786        | -4.12           | 5200.0222        | 4.27            | 5200.0035        | 0.67            | 5199.9979        | -0.41           |
| 0                               | VN    | 5200.0150        | 2.89            | 5199.9910        | -1.74           | 5199.9991        | -0.18           | 5199.9896        | -2.01           |

**Note:**

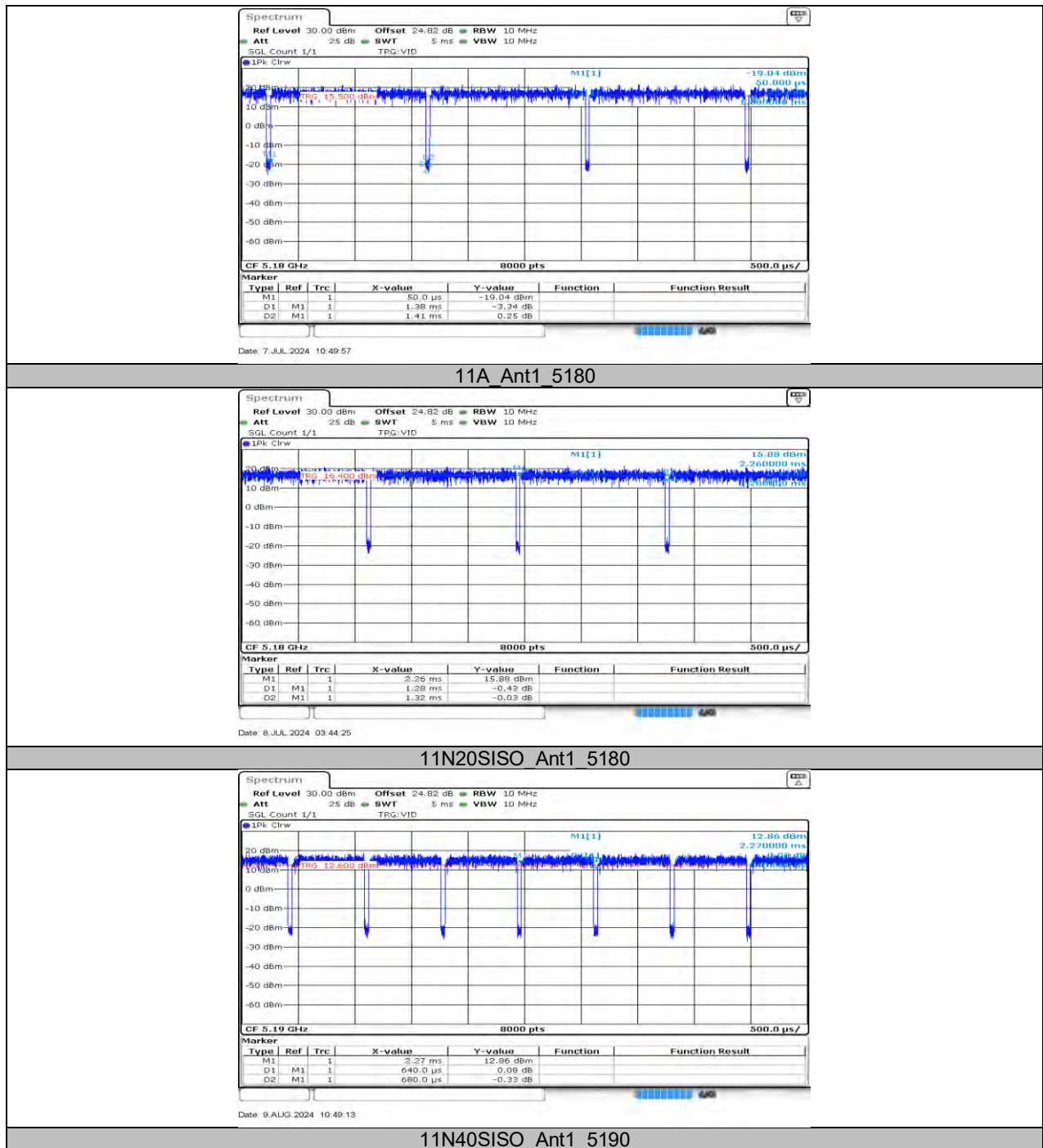
1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

## 11.7. APPENDIX J: DUTY CYCLE

### 11.7.1. Test Result

| Test Mode | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|-----------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A       | Ant1    | 5180           | 1.38                       | 1.41                     | 97.87          |
| 11N20SISO | Ant1    | 5180           | 1.28                       | 1.32                     | 96.97          |
| 11N40SISO | Ant1    | 5190           | 0.64                       | 0.68                     | 94.12          |

## 11.7.2. Test Graphs

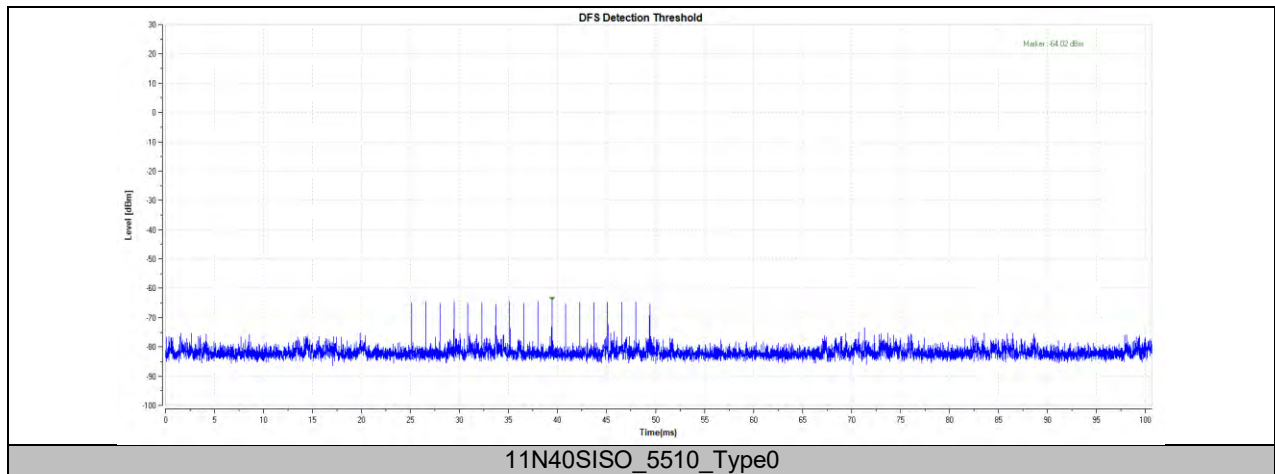


## 11.8. APPENDIX A: DFS DETECTION THRESHOLDS

### 11.8.1. Test Result

| TestMode  | Frequency[dbm] | Radar Type | Result | Limit[dbm] | Verdict |
|-----------|----------------|------------|--------|------------|---------|
| 11N40SISO | 5510           | Type0      | -64.02 | -62.00     | PASS    |

## 11.8.2. Test Graphs

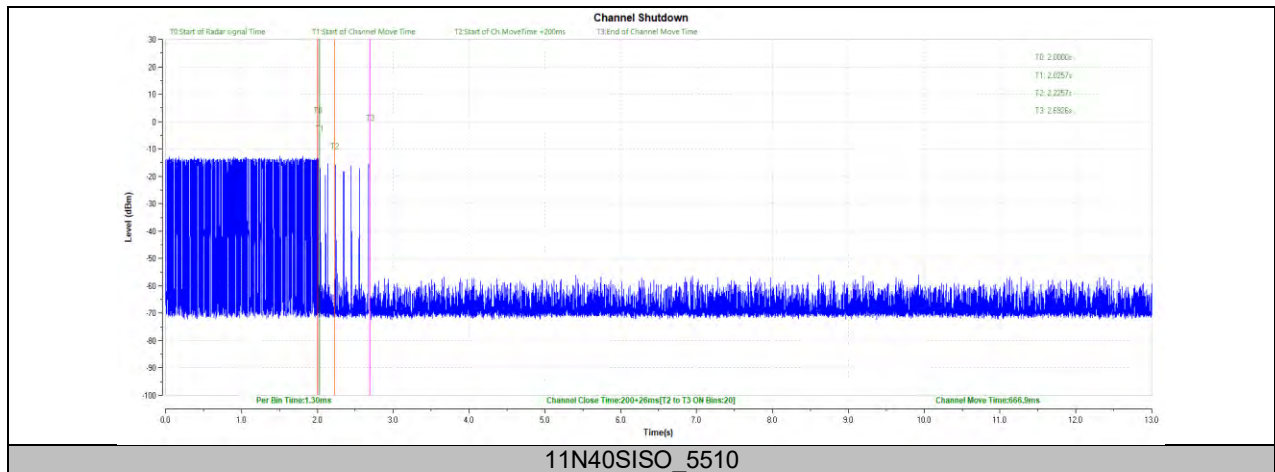


## 11.9. APPENDIX D: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

### 11.9.1. Test Result

| TestMode  | Frequency[MHz] | CCTT[ms] | Limit[ms] | CMT[ms] | Limit[ms] | Verdict |
|-----------|----------------|----------|-----------|---------|-----------|---------|
| 11N40SISO | 5510           | 200+26   | 200+60    | 666.9   | 10000     | PASS    |

## 11.9.2. Test Graphs

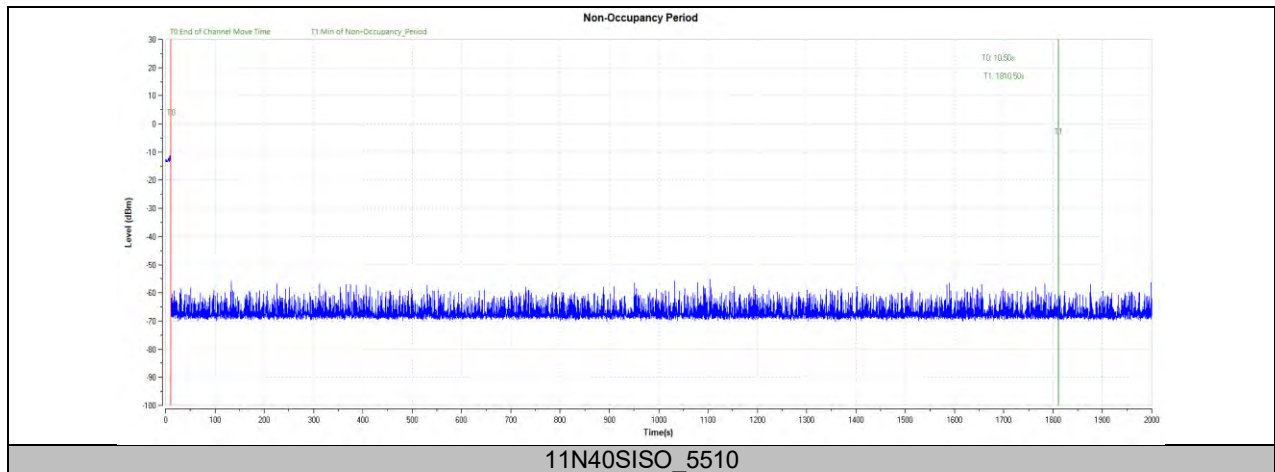


## 11.10. APPENDIX E: NON-OCCUPANCY PERIOD

### 11.10.1. Test Result

| Test Mode | Frequency[MHz] | Result         | Limit[s] | Verdict |
|-----------|----------------|----------------|----------|---------|
| 11N40SISO | 5510           | see test graph | ≥1800    | PASS    |

## 11.10.2. Test Graphs



## **APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION**

Referred to 4791364876-1\_Appendix\_SetupPhoto

## **APPENDIX: PHOTOGRAPHS OF THE EUT**

4791364876-1\_Appendix\_EUTPhoto\_External

4791364876-1\_Appendix\_EUTPhoto\_Internal

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**END OF REPORT**