

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>CTA24072303503</u>               |                                          |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>51</u> %RH |                                          |
| <b>According Standard:</b> <u>■15.407</u>             |                                          |
| <b>Test Date:</b> <u>2024.7.26</u>                    | <b>Test Engineer:</b> <u>Lushan Kong</u> |

## Appendix C.1: Emission Bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | 26db EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|-----------|-------------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5180      | 25.080            | 5167.520 | 5192.600 | ---        | ---     |
|            |         | 5200      | 25.040            | 5187.640 | 5212.680 | ---        | ---     |
|            |         | 5240      | 25.280            | 5227.040 | 5252.320 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180      | 24.120            | 5167.840 | 5191.960 | ---        | ---     |
|            |         | 5200      | 24.160            | 5187.880 | 5212.040 | ---        | ---     |
|            |         | 5240      | 24.480            | 5227.240 | 5251.720 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190      | 45.120            | 5167.680 | 5212.800 | ---        | ---     |
|            |         | 5230      | 44.880            | 5207.680 | 5252.560 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180      | 26.280            | 5166.960 | 5193.240 | ---        | ---     |
|            |         | 5200      | 25.680            | 5187.320 | 5213.000 | ---        | ---     |
|            |         | 5240      | 25.320            | 5227.320 | 5252.640 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190      | 45.280            | 5167.840 | 5213.120 | ---        | ---     |
|            |         | 5230      | 45.920            | 5207.520 | 5253.440 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180      | 25.560            | 5167.800 | 5193.360 | ---        | ---     |
|            |         | 5200      | 24.920            | 5187.880 | 5212.800 | ---        | ---     |
|            |         | 5240      | 24.600            | 5227.760 | 5252.360 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190      | 44.640            | 5167.760 | 5212.400 | ---        | ---     |
|            |         | 5230      | 45.360            | 5207.440 | 5252.800 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5180



11A\_Ant1\_5200



11A\_Ant1\_5240



11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



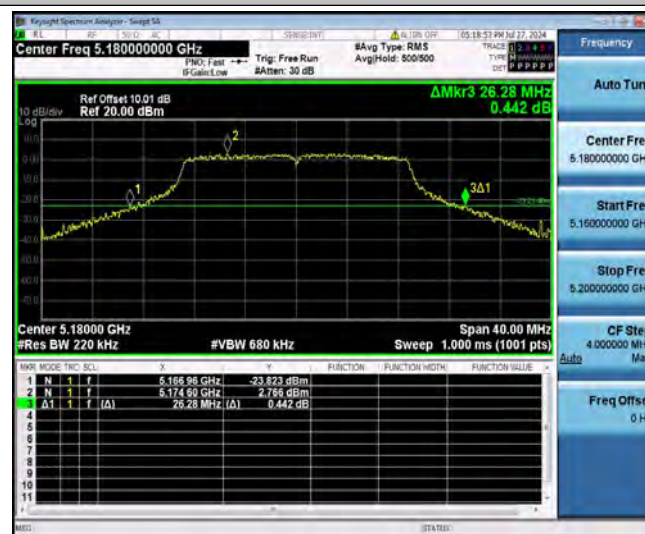
11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AX20SISO\_Ant1\_5180



11AX20SISO\_Ant1\_5200



11AX20SISO\_Ant1\_5240



11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



## Appendix C.2: Occupied channel bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5180      | 18.401    | 5170.8063 | 5189.2073 | ---        | ---     |
|            |         | 5200      | 18.369    | 5190.8612 | 5209.2302 | ---        | ---     |
|            |         | 5240      | 18.384    | 5230.8136 | 5249.1976 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180      | 18.340    | 5170.8123 | 5189.1523 | ---        | ---     |
|            |         | 5200      | 18.394    | 5190.8377 | 5209.2317 | ---        | ---     |
|            |         | 5240      | 18.378    | 5230.7955 | 5249.1735 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190      | 37.118    | 5171.5767 | 5208.6947 | ---        | ---     |
|            |         | 5230      | 36.933    | 5211.6050 | 5248.5380 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180      | 18.745    | 5170.6721 | 5189.4171 | ---        | ---     |
|            |         | 5200      | 18.739    | 5190.6778 | 5209.4168 | ---        | ---     |
|            |         | 5240      | 18.788    | 5230.5787 | 5249.3667 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190      | 37.331    | 5171.4132 | 5208.7442 | ---        | ---     |
|            |         | 5230      | 37.152    | 5211.4382 | 5248.5902 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180      | 19.516    | 5170.2922 | 5189.8082 | ---        | ---     |
|            |         | 5200      | 19.427    | 5190.3576 | 5209.7846 | ---        | ---     |
|            |         | 5240      | 19.390    | 5230.2982 | 5249.6882 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190      | 38.449    | 5170.9185 | 5209.3675 | ---        | ---     |
|            |         | 5230      | 38.273    | 5210.9729 | 5249.2459 | ---        | ---     |

## Test Graphs

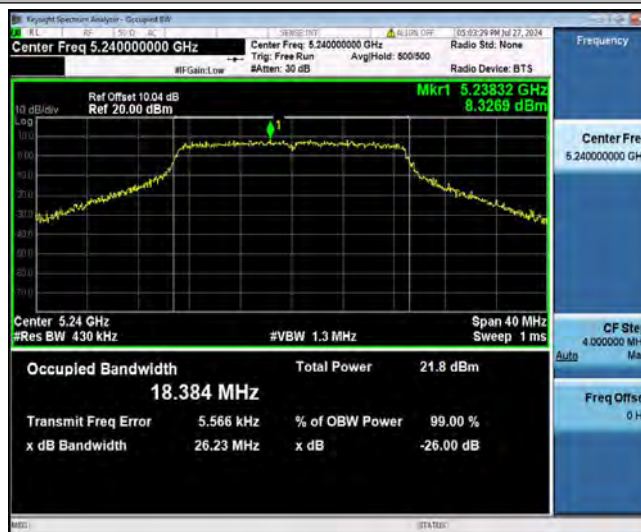
11A\_Ant1\_5180



11A\_Ant1\_5200



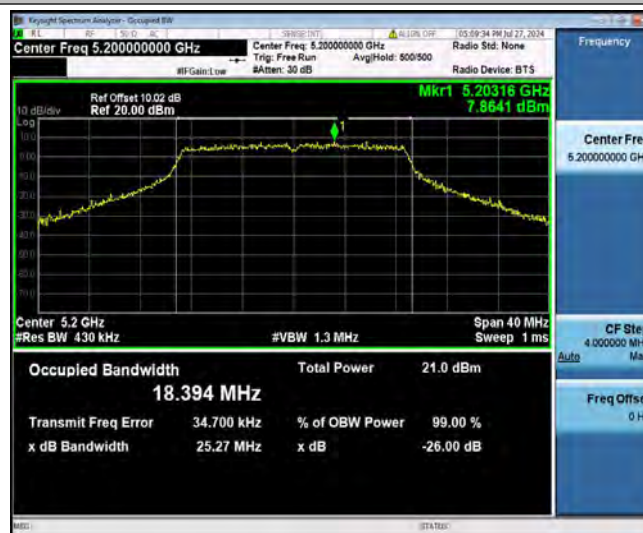
11A\_Ant1\_5240



11N20SISO\_Ant1\_5180



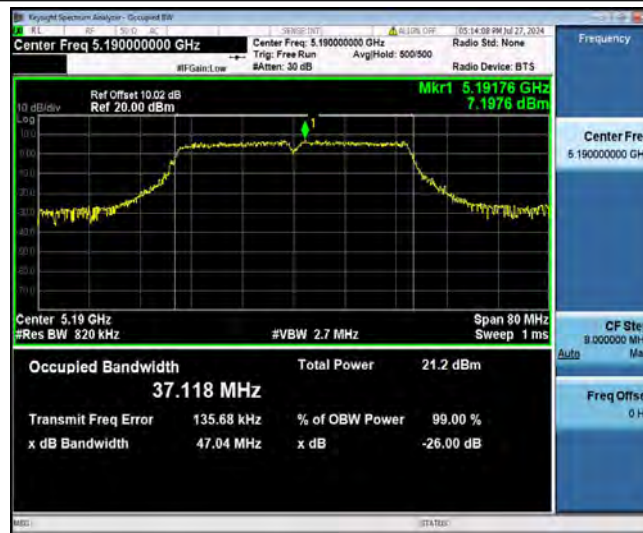
11N20SISO\_Ant1\_5200



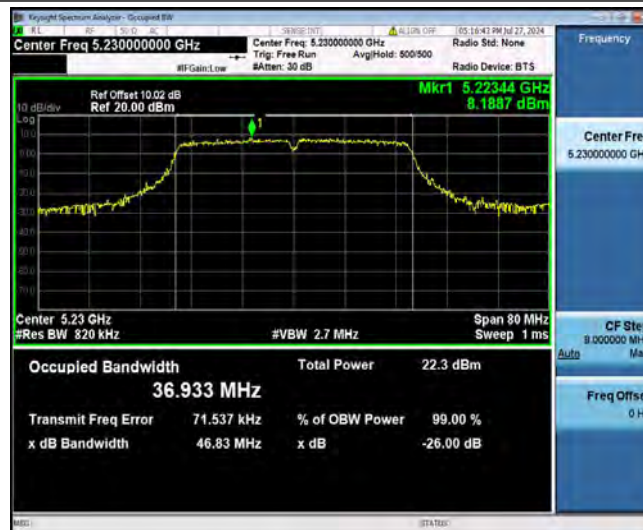
11N20SISO\_Ant1\_5240



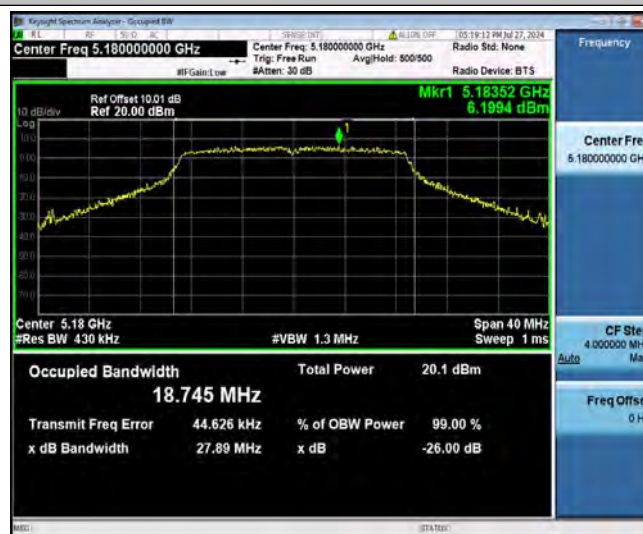
11N40SISO\_Ant1\_5190



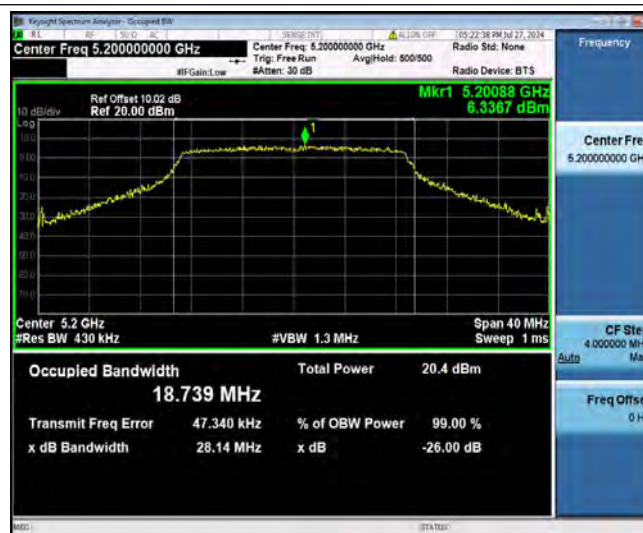
11N40SISO\_Ant1\_5230



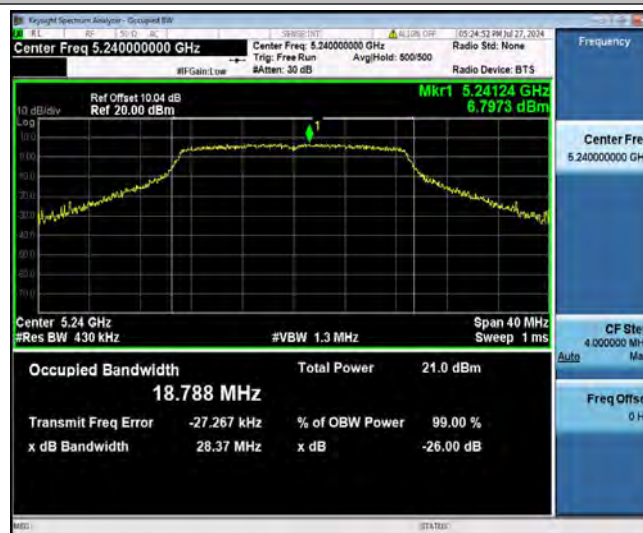
11AC20SISO\_Ant1\_5180



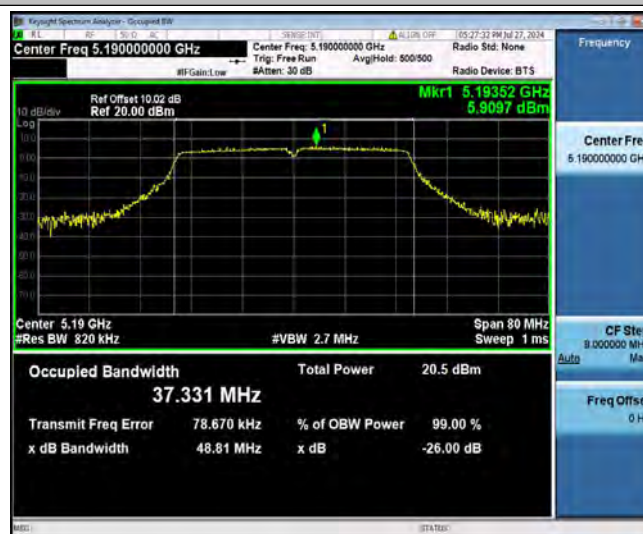
11AC20SISO\_Ant1\_5200



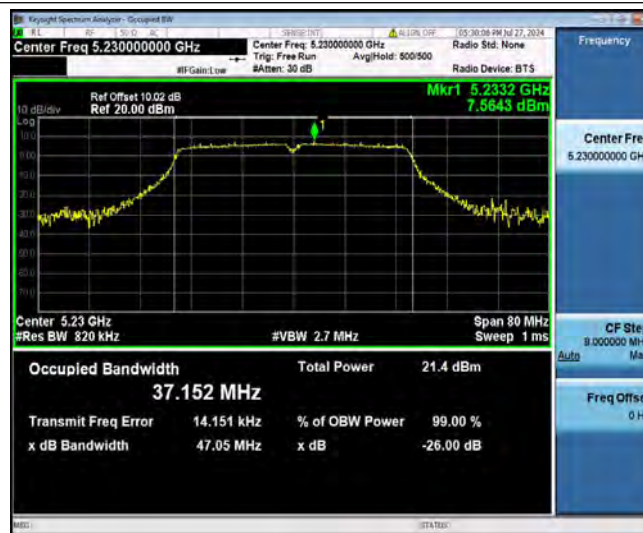
11AC20SISO\_Ant1\_5240



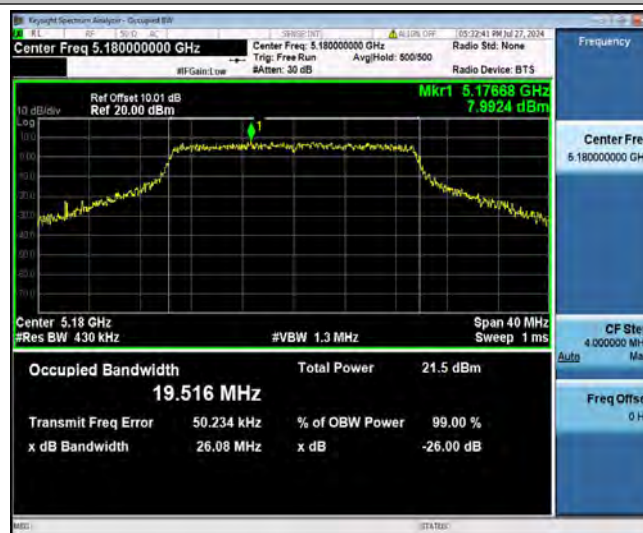
11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



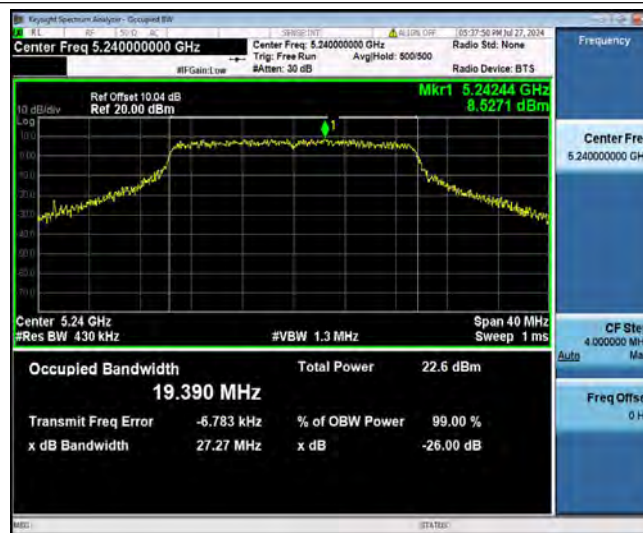
11AX20SISO\_Ant1\_5180



11AX20SISO\_Ant1\_5200



11AX20SISO\_Ant1\_5240



11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



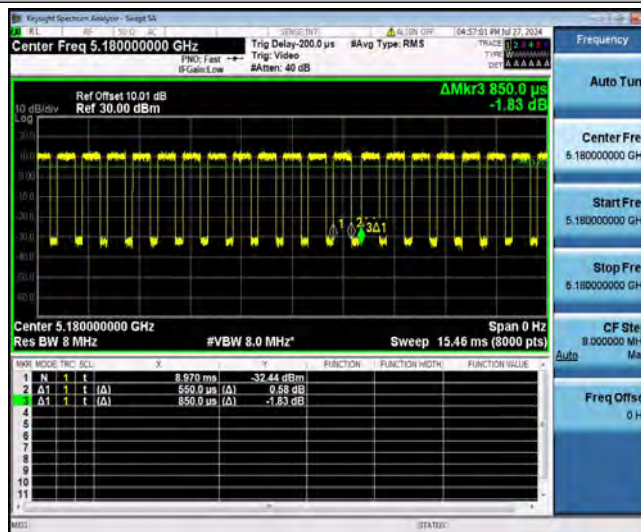
## Appendix C.3: Duty Cycle

### Test Result

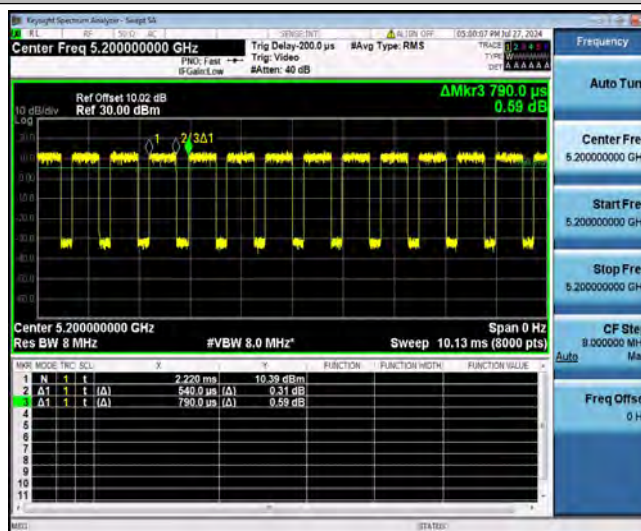
| TestMode   | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] | 1/T Factor[KHz] |
|------------|---------|-----------|----------------------------|--------------------------|----------------|-----------------------|-----------------|
| 11A        | Ant1    | 5180      | 0.55                       | 0.85                     | 64.71          | 1.89                  | 1.82            |
|            |         | 5200      | 0.54                       | 0.79                     | 68.35          | 1.65                  | 1.85            |
|            |         | 5240      | 1.09                       | 2.76                     | 39.49          | 4.04                  | 0.92            |
| 11N20SISO  | Ant1    | 5180      | 0.47                       | 0.77                     | 61.04          | 2.14                  | 2.13            |
|            |         | 5200      | 0.47                       | 0.87                     | 54.02          | 2.67                  | 2.13            |
|            |         | 5240      | 0.46                       | 1.35                     | 34.07          | 4.68                  | 2.17            |
| 11N40SISO  | Ant1    | 5190      | 0.41                       | 0.83                     | 49.40          | 3.06                  | 2.44            |
|            |         | 5230      | 0.41                       | 0.83                     | 49.40          | 3.06                  | 2.44            |
| 11AC20SISO | Ant1    | 5180      | 5.09                       | 5.31                     | 95.86          | 0.18                  | 0.20            |
|            |         | 5200      | 5.10                       | 5.32                     | 95.86          | 0.18                  | 0.20            |
|            |         | 5240      | 5.09                       | 5.53                     | 92.04          | 0.36                  | 0.20            |
| 11AC40SISO | Ant1    | 5190      | 2.47                       | 2.78                     | 88.85          | 0.51                  | 0.40            |
|            |         | 5230      | 2.48                       | 4.20                     | 59.05          | 2.29                  | 0.40            |
| 11AX20SISO | Ant1    | 5180      | 3.87                       | 4.09                     | 94.62          | 0.24                  | 0.26            |
|            |         | 5200      | 3.87                       | 4.09                     | 94.62          | 0.24                  | 0.26            |
|            |         | 5240      | 3.87                       | 4.09                     | 94.62          | 0.24                  | 0.26            |
| 11AX40SISO | Ant1    | 5190      | 3.87                       | 4.09                     | 94.62          | 0.24                  | 0.26            |
|            |         | 5230      | 3.87                       | 4.46                     | 86.77          | 0.62                  | 0.26            |

## Test Graphs

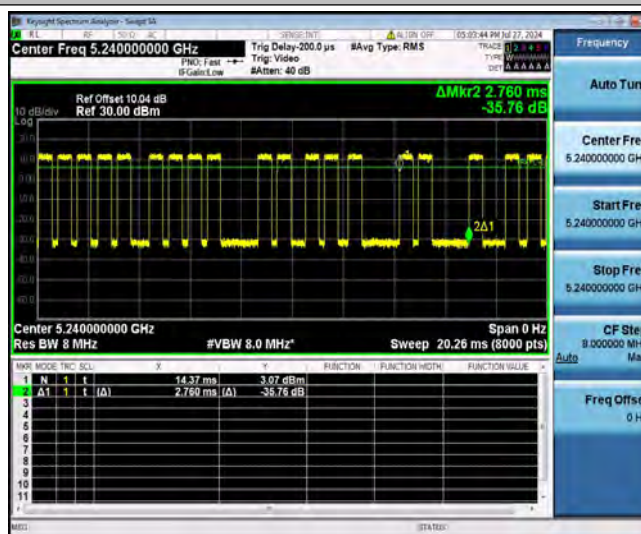
11A\_Ant1\_5180



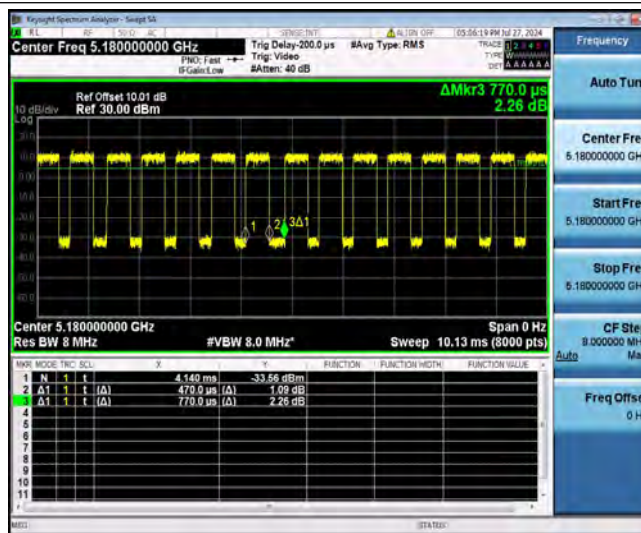
11A\_Ant1\_5200



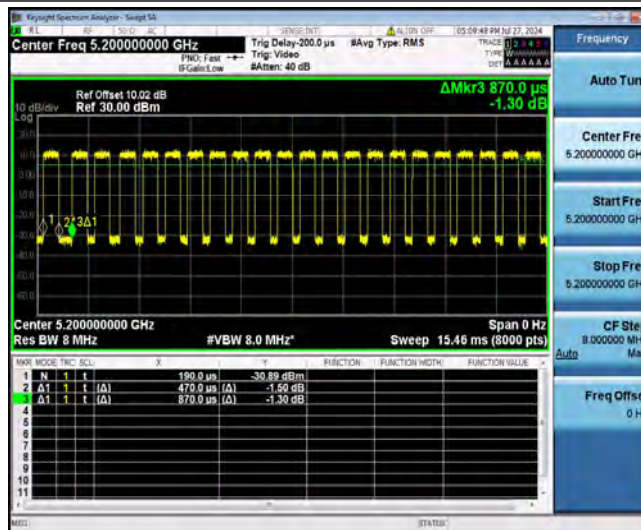
11A\_Ant1\_5240



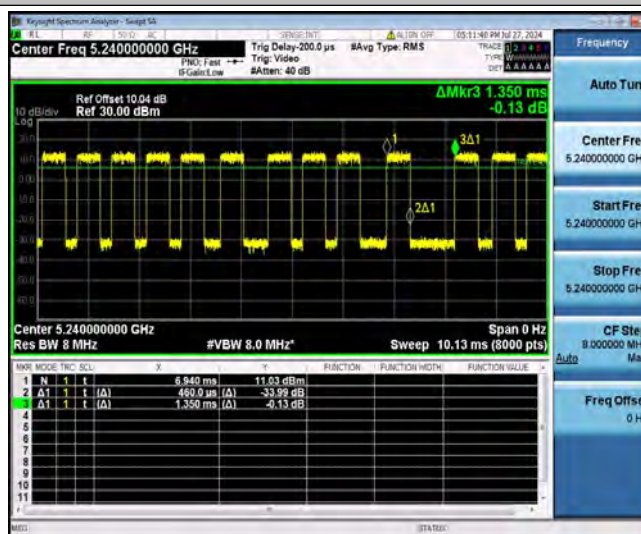
11N20SISO\_Ant1\_5180



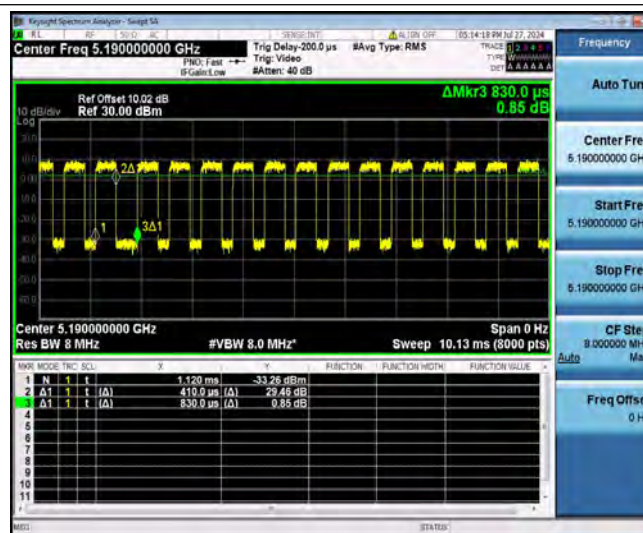
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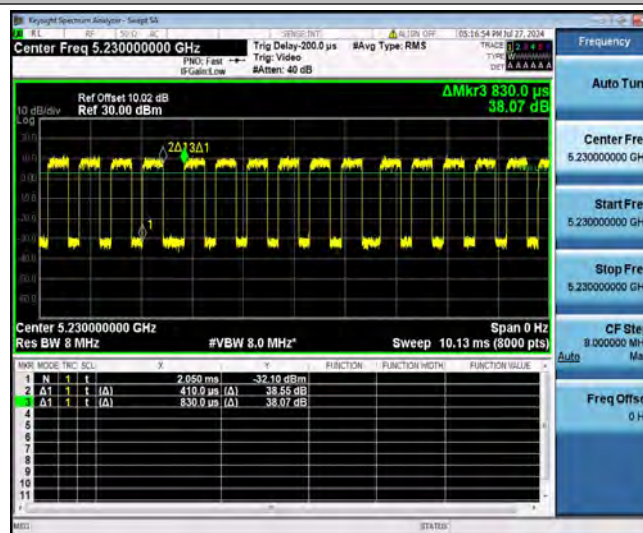
11N20SISO\_Ant1\_5240



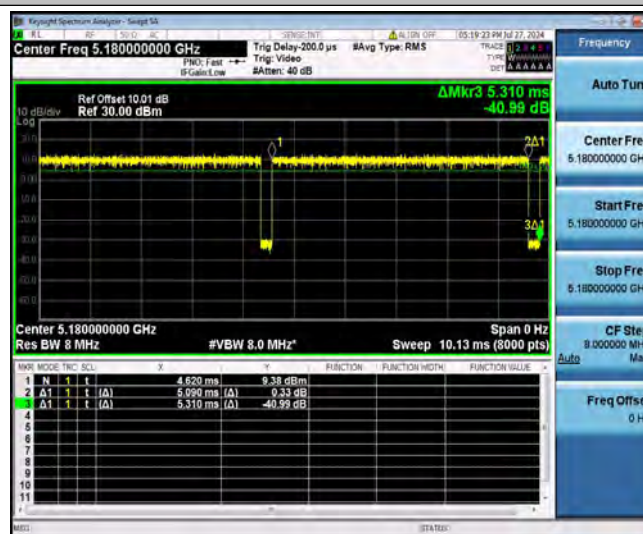
11N40SISO\_Ant1\_5190



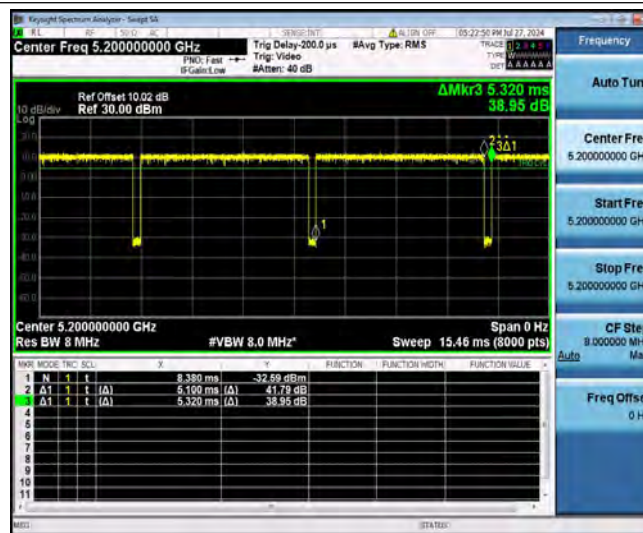
11N40SISO\_Ant1\_5230



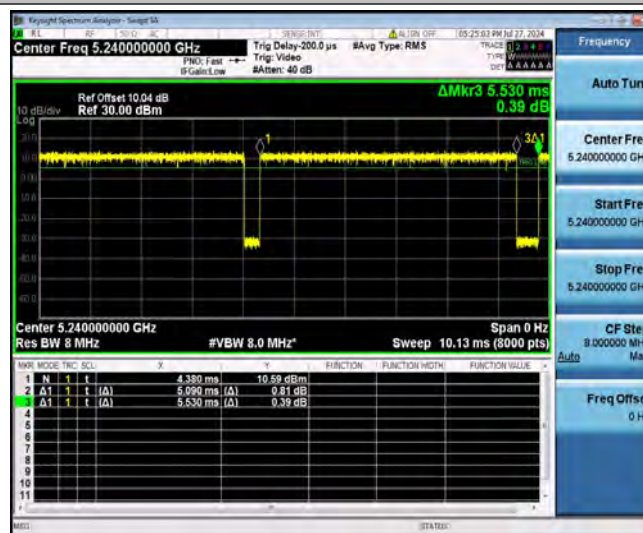
11AC20SISO\_Ant1\_5180



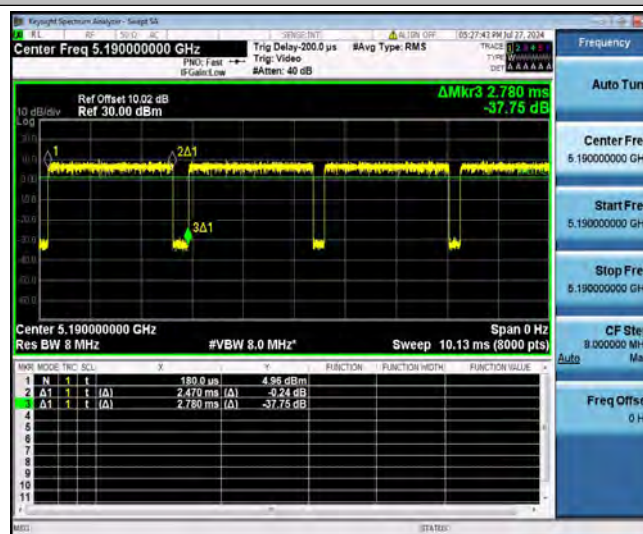
11AC20SISO\_Ant1\_5200



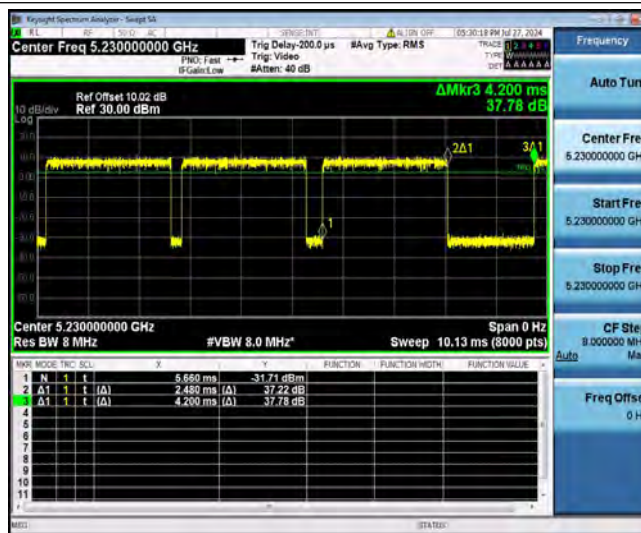
11AC20SISO\_Ant1\_5240



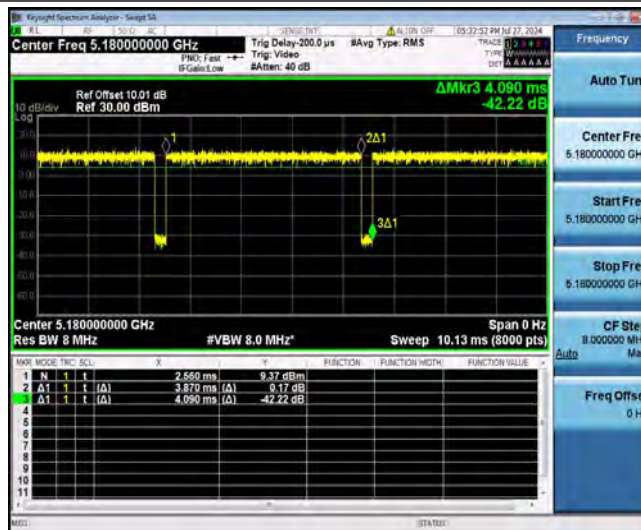
11AC40SISO\_Ant1\_5190



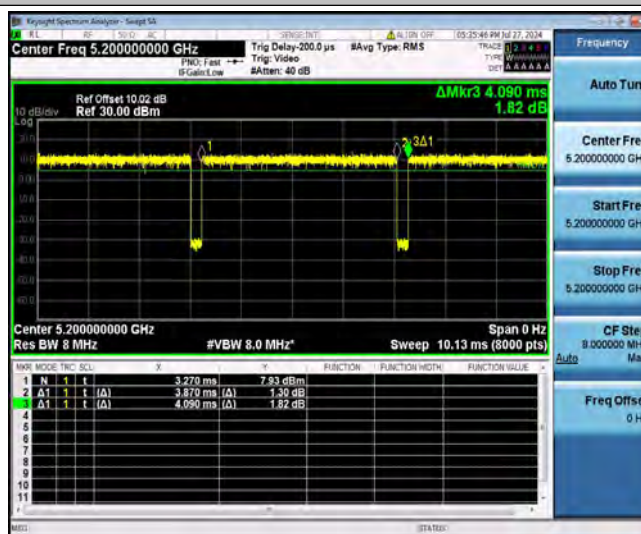
11AC40SISO\_Ant1\_5230



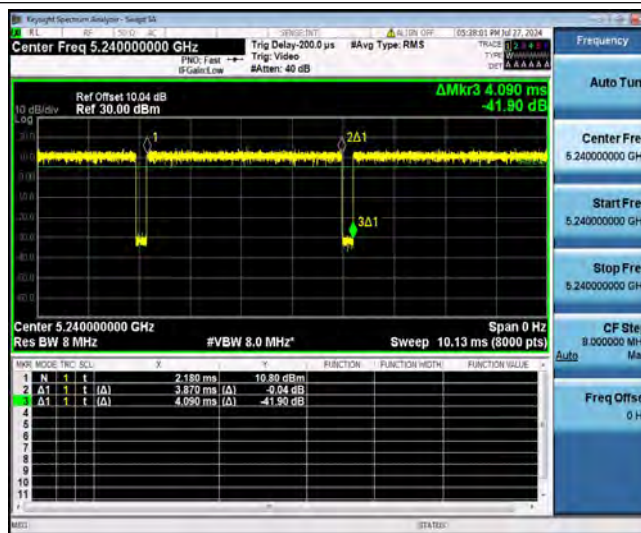
11AX20SISO\_Ant1\_5180



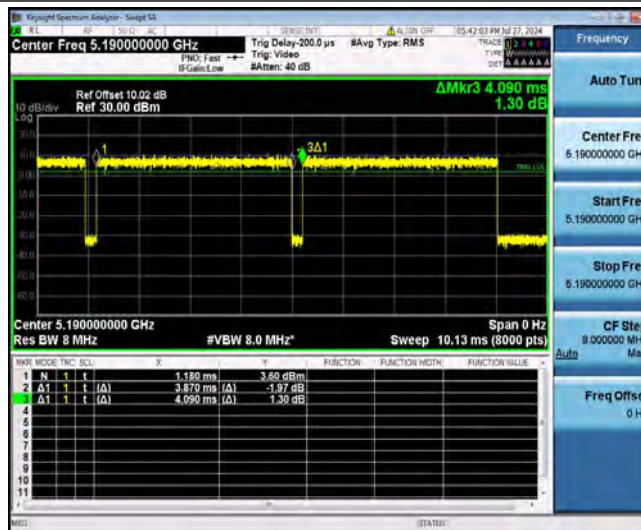
11AX20SISO\_Ant1\_5200



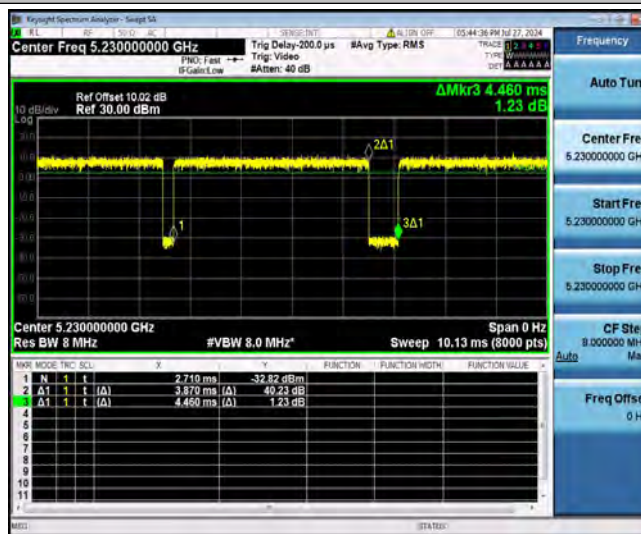
11AX20SISO\_Ant1\_5240



11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



## Appendix C.4: Maximum conducted output power

### Test Result Channel Power

#### FPC Antenna:

| Test Mode  | Antenna | Freq(MHz) | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Gain [dBi] | EIRP [dBm] | EIRP Limit [dBm] | Verdict |
|------------|---------|-----------|---------------------|----------------|-----------------|--------------|-------------|------------|------------|------------------|---------|
| 11A        | Ant1    | 5180      | 11.67               | 64.71          | 1.89            | 13.56        | ≤23.01      | 2.96       | 16.52      | ≤22.55           | PASS    |
|            |         | 5200      | 11.91               | 68.35          | 1.65            | 13.56        | ≤23.01      | 2.96       | 16.52      | ≤22.55           | PASS    |
|            |         | 5240      | 12.77               | 39.49          | 4.04            | 16.81        | ≤23.01      | 2.96       | 19.77      | ≤22.55           | PASS    |
| 11N20SISO  | Ant1    | 5180      | 11.66               | 61.04          | 2.14            | 13.80        | ≤23.01      | 2.96       | 16.76      | ≤22.55           | PASS    |
|            |         | 5200      | 11.56               | 54.02          | 2.67            | 14.23        | ≤23.01      | 2.96       | 17.19      | ≤22.55           | PASS    |
|            |         | 5240      | 12.34               | 34.07          | 4.68            | 17.02        | ≤23.01      | 2.96       | 19.98      | ≤22.55           | PASS    |
| 11N40SISO  | Ant1    | 5190      | 10.31               | 49.40          | 3.06            | 13.37        | ≤23.01      | 2.96       | 16.33      | ≤22.55           | PASS    |
|            |         | 5230      | 12.19               | 49.40          | 3.06            | 15.25        | ≤23.01      | 2.96       | 18.21      | ≤22.55           | PASS    |
| 11AC20SISO | Ant1    | 5180      | 13.01               | 95.86          | 0.18            | 13.19        | ≤23.01      | 2.96       | 16.15      | ≤22.55           | PASS    |
|            |         | 5200      | 13.12               | 95.86          | 0.18            | 13.30        | ≤23.01      | 2.96       | 16.26      | ≤22.55           | PASS    |
|            |         | 5240      | 13.89               | 92.04          | 0.36            | 14.25        | ≤23.01      | 2.96       | 17.21      | ≤22.55           | PASS    |
| 11AC40SISO | Ant1    | 5190      | 12.75               | 88.85          | 0.51            | 13.26        | ≤23.01      | 2.96       | 16.22      | ≤22.55           | PASS    |
|            |         | 5230      | 13.16               | 59.05          | 2.29            | 15.45        | ≤23.01      | 2.96       | 18.41      | ≤22.55           | PASS    |
| 11AC20SISO | Ant1    | 5180      | 12.77               | 94.62          | 0.24            | 13.01        | ≤23.01      | 2.96       | 15.97      | ≤22.55           | PASS    |
|            |         | 5200      | 13.19               | 94.62          | 0.24            | 13.43        | ≤23.01      | 2.96       | 16.39      | ≤22.55           | PASS    |
|            |         | 5240      | 13.57               | 94.62          | 0.24            | 13.81        | ≤23.01      | 2.96       | 16.77      | ≤22.55           | PASS    |
| 11AC40SISO | Ant1    | 5190      | 12.83               | 94.62          | 0.24            | 13.07        | ≤23.01      | 2.96       | 16.03      | ≤22.55           | PASS    |
|            |         | 5230      | 13.68               | 86.77          | 0.62            | 14.30        | ≤23.01      | 2.96       | 17.26      | ≤22.55           | PASS    |

**Omni Antenna:**

| Test Mode  | Antenna | Freq(MHz) | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Gain [dBi] | EIRP [dBm] | EIRP Limit [dBm] | Verdict |
|------------|---------|-----------|---------------------|----------------|-----------------|--------------|-------------|------------|------------|------------------|---------|
| 11A        | Ant1    | 5180      | 11.67               | 64.71          | 1.89            | 13.56        | ≤23.01      | 3.81       | 17.37      | ≤22.55           | PASS    |
|            |         | 5200      | 11.91               | 68.35          | 1.65            | 13.56        | ≤23.01      | 3.81       | 17.37      | ≤22.55           | PASS    |
|            |         | 5240      | 12.77               | 39.49          | 4.04            | 16.81        | ≤23.01      | 3.81       | 20.62      | ≤22.55           | PASS    |
| 11N20SISO  | Ant1    | 5180      | 11.66               | 61.04          | 2.14            | 13.80        | ≤23.01      | 3.81       | 17.61      | ≤22.55           | PASS    |
|            |         | 5200      | 11.56               | 54.02          | 2.67            | 14.23        | ≤23.01      | 3.81       | 18.04      | ≤22.55           | PASS    |
|            |         | 5240      | 12.34               | 34.07          | 4.68            | 17.02        | ≤23.01      | 3.81       | 20.83      | ≤22.55           | PASS    |
| 11N40SISO  | Ant1    | 5190      | 10.31               | 49.40          | 3.06            | 13.37        | ≤23.01      | 3.81       | 17.18      | ≤22.55           | PASS    |
|            |         | 5230      | 12.19               | 49.40          | 3.06            | 15.25        | ≤23.01      | 3.81       | 19.06      | ≤22.55           | PASS    |
| 11AC20SISO | Ant1    | 5180      | 13.01               | 95.86          | 0.18            | 13.19        | ≤23.01      | 3.81       | 17.00      | ≤22.55           | PASS    |
|            |         | 5200      | 13.12               | 95.86          | 0.18            | 13.30        | ≤23.01      | 3.81       | 17.11      | ≤22.55           | PASS    |
|            |         | 5240      | 13.89               | 92.04          | 0.36            | 14.25        | ≤23.01      | 3.81       | 18.06      | ≤22.55           | PASS    |
| 11AC40SISO | Ant1    | 5190      | 12.75               | 88.85          | 0.51            | 13.26        | ≤23.01      | 3.81       | 17.07      | ≤22.55           | PASS    |
|            |         | 5230      | 13.16               | 59.05          | 2.29            | 15.45        | ≤23.01      | 3.81       | 19.26      | ≤22.55           | PASS    |
| 11AC20SISO | Ant1    | 5180      | 12.77               | 94.62          | 0.24            | 13.01        | ≤23.01      | 3.81       | 16.82      | ≤22.55           | PASS    |
|            |         | 5200      | 13.19               | 94.62          | 0.24            | 13.43        | ≤23.01      | 3.81       | 17.24      | ≤22.55           | PASS    |
|            |         | 5240      | 13.57               | 94.62          | 0.24            | 13.81        | ≤23.01      | 3.81       | 17.62      | ≤22.55           | PASS    |
| 11AC40SISO | Ant1    | 5190      | 12.83               | 94.62          | 0.24            | 13.07        | ≤23.01      | 3.81       | 16.88      | ≤22.55           | PASS    |
|            |         | 5230      | 13.68               | 86.77          | 0.62            | 14.30        | ≤23.01      | 3.81       | 18.11      | ≤22.55           | PASS    |

**Note:**

1. The Duty Cycle Factor and RBW Factor is compensated in the data.
2. The maximum e.i.r.p. shall not exceed 200 mW or  $10 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.

## Appendix C.5: Maximum power spectral density

### Test Result

#### FPC Antenna:

| TestMode   | Antenna | Freq(MHz) | Result<br>[dBm/MHz] | Gain<br>[dBi] | EIRP<br>[dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|-----------|---------------------|---------------|-------------------|----------------|---------|
| 11A        | Ant1    | 5180      | 2.92                | 2.96          | 5.88              | ≤10.00         | PASS    |
|            |         | 5200      | 3.05                | 2.96          | 6.01              | ≤10.00         | PASS    |
|            |         | 5240      | 6.07                | 2.96          | 9.03              | ≤10.00         | PASS    |
| 11N20SISO  | Ant1    | 5180      | 2.89                | 2.96          | 5.85              | ≤10.00         | PASS    |
|            |         | 5200      | 3.91                | 2.96          | 6.87              | ≤10.00         | PASS    |
|            |         | 5240      | 3.68                | 2.96          | 6.64              | ≤10.00         | PASS    |
| 11N40SISO  | Ant1    | 5190      | 0.85                | 2.96          | 3.81              | ≤10.00         | PASS    |
|            |         | 5230      | 1.92                | 2.96          | 4.88              | ≤10.00         | PASS    |
| 11AC20SISO | Ant1    | 5180      | 1.56                | 2.96          | 4.52              | ≤10.00         | PASS    |
|            |         | 5200      | 2.07                | 2.96          | 5.03              | ≤10.00         | PASS    |
|            |         | 5240      | 2.88                | 2.96          | 5.84              | ≤10.00         | PASS    |
| 11AC40SISO | Ant1    | 5190      | -0.88               | 2.96          | 2.08              | ≤10.00         | PASS    |
|            |         | 5230      | 1.93                | 2.96          | 4.89              | ≤10.00         | PASS    |
| 11AX20SISO | Ant1    | 5180      | 1.31                | 2.96          | 4.27              | ≤10.00         | PASS    |
|            |         | 5200      | 1.79                | 2.96          | 4.75              | ≤10.00         | PASS    |
|            |         | 5240      | 2.55                | 2.96          | 5.51              | ≤10.00         | PASS    |
| 11AX40SISO | Ant1    | 5190      | -1.37               | 2.96          | 1.59              | ≤10.00         | PASS    |
|            |         | 5230      | -0.07               | 2.96          | 2.89              | ≤10.00         | PASS    |

**Omni Antenna:**

| TestMode   | Antenna | Freq(MHz) | Result<br>[dBm/MHz] | Gain<br>[dBi] | EIRP<br>[dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|-----------|---------------------|---------------|-------------------|----------------|---------|
| 11A        | Ant1    | 5180      | 2.92                | 3.81          | 6.73              | ≤10.00         | PASS    |
|            |         | 5200      | 3.05                | 3.81          | 6.86              | ≤10.00         | PASS    |
|            |         | 5240      | 6.07                | 3.81          | 9.88              | ≤10.00         | PASS    |
| 11N20SISO  | Ant1    | 5180      | 2.89                | 3.81          | 6.70              | ≤10.00         | PASS    |
|            |         | 5200      | 3.91                | 3.81          | 7.72              | ≤10.00         | PASS    |
|            |         | 5240      | 3.68                | 3.81          | 7.49              | ≤10.00         | PASS    |
| 11N40SISO  | Ant1    | 5190      | 0.85                | 3.81          | 4.66              | ≤10.00         | PASS    |
|            |         | 5230      | 1.92                | 3.81          | 5.73              | ≤10.00         | PASS    |
| 11AC20SISO | Ant1    | 5180      | 1.56                | 3.81          | 5.37              | ≤10.00         | PASS    |
|            |         | 5200      | 2.07                | 3.81          | 5.88              | ≤10.00         | PASS    |
|            |         | 5240      | 2.88                | 3.81          | 6.69              | ≤10.00         | PASS    |
| 11AC40SISO | Ant1    | 5190      | -0.88               | 3.81          | 2.93              | ≤10.00         | PASS    |
|            |         | 5230      | 1.93                | 3.81          | 5.74              | ≤10.00         | PASS    |
| 11AX20SISO | Ant1    | 5180      | 1.31                | 3.81          | 5.12              | ≤10.00         | PASS    |
|            |         | 5200      | 1.79                | 3.81          | 5.60              | ≤10.00         | PASS    |
|            |         | 5240      | 2.55                | 3.81          | 6.36              | ≤10.00         | PASS    |
| 11AX40SISO | Ant1    | 5190      | -1.37               | 3.81          | 2.44              | ≤10.00         | PASS    |
|            |         | 5230      | -0.07               | 3.81          | 3.74              | ≤10.00         | 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.

## Test Graphs

11A\_Ant1\_5180



11A\_Ant1\_5200



11A\_Ant1\_5240



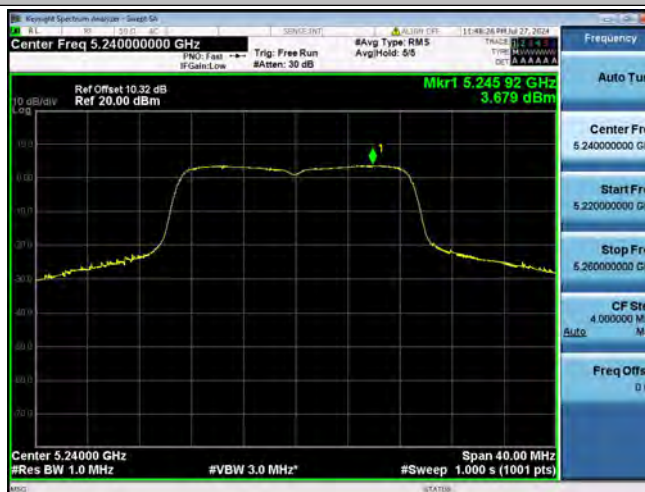
11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



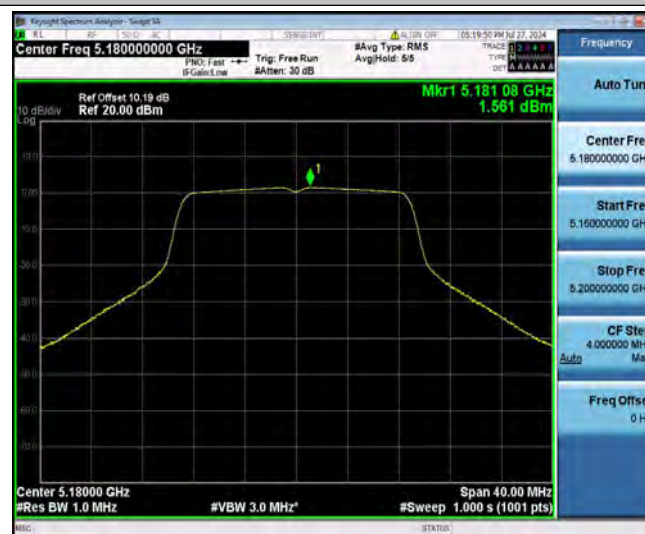
11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



11AC20SISO\_Ant1\_5180



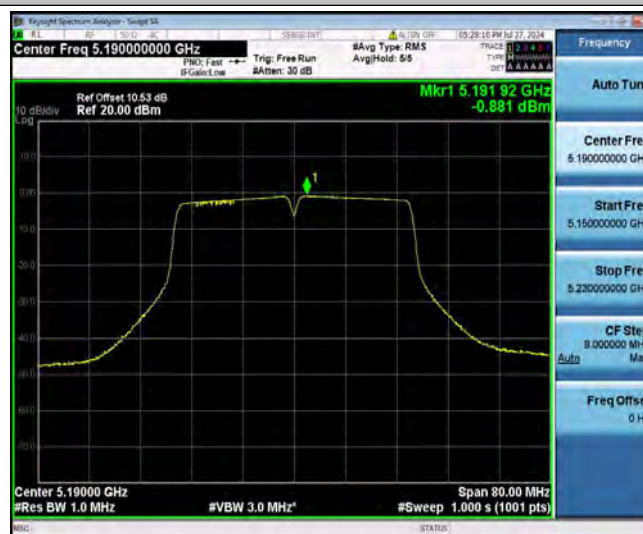
11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AX20SISO\_Ant1\_5180



11AX20SISO\_Ant1\_5200



11AX20SISO\_Ant1\_5240



11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



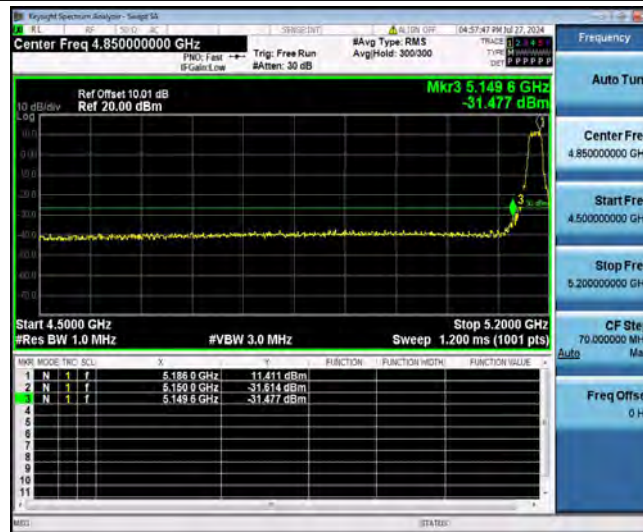
## Appendix C.6: Band edge measurements

### Test Result B1

| TestMode   | Antenna | ChName | Freq(MHz) | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|-----------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5180      | -31.48      | $\leq -27$ | PASS    |
|            |         | High   | 5240      | -36.98      | $\leq -27$ | PASS    |
| 11N20SISO  | Ant1    | Low    | 5180      | -31.61      | $\leq -27$ | PASS    |
|            |         | High   | 5240      | -37.38      | $\leq -27$ | PASS    |
| 11N40SISO  | Ant1    | Low    | 5190      | -27.87      | $\leq -27$ | PASS    |
|            |         | High   | 5230      | -37.37      | $\leq -27$ | PASS    |
| 11AC20SISO | Ant1    | Low    | 5180      | -34.16      | $\leq -27$ | PASS    |
|            |         | High   | 5240      | -37.34      | $\leq -27$ | PASS    |
| 11AC40SISO | Ant1    | Low    | 5190      | -31.09      | $\leq -27$ | PASS    |
|            |         | High   | 5230      | -36.98      | $\leq -27$ | PASS    |
| 11AX20SISO | Ant1    | Low    | 5180      | -30.83      | $\leq -27$ | PASS    |
|            |         | High   | 5240      | -37.23      | $\leq -27$ | PASS    |
| 11AX40SISO | Ant1    | Low    | 5190      | -28.61      | $\leq -27$ | PASS    |
|            |         | High   | 5230      | -37.18      | $\leq -27$ | PASS    |

## Test Graphs B1

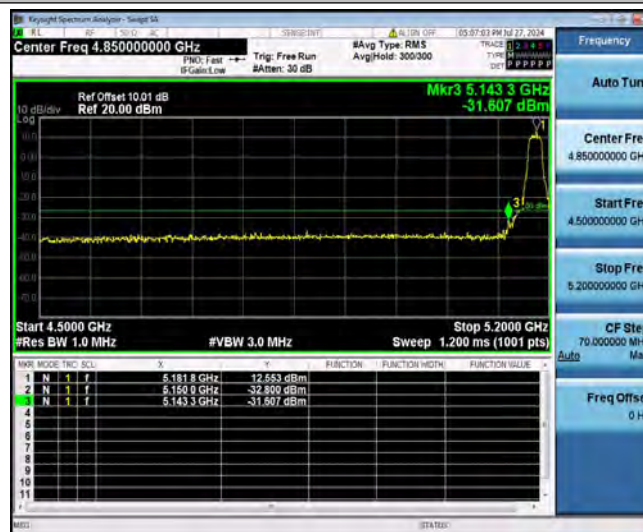
11A\_Ant1\_Low\_5180



11A\_Ant1\_High\_5240



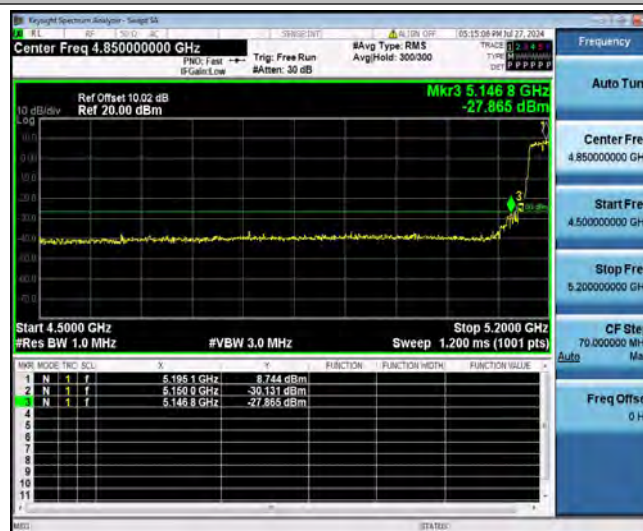
11N20SISO\_Ant1\_Low\_5180



11N20SISO\_Ant1\_High\_5240



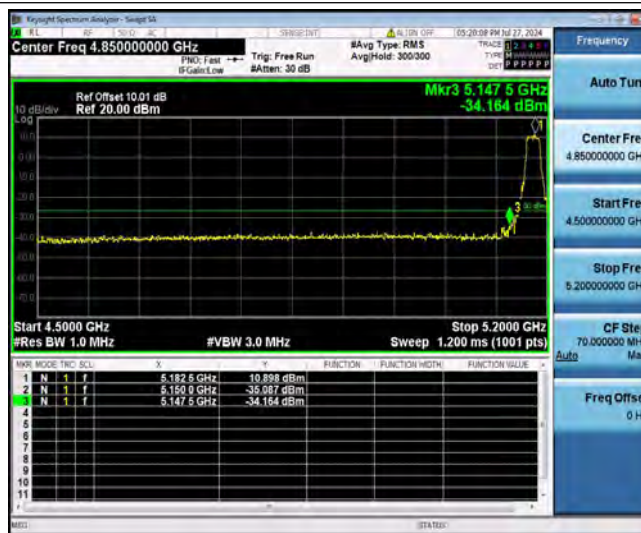
11N40SISO\_Ant1\_Low\_5190



11N40SISO\_Ant1\_High\_5230



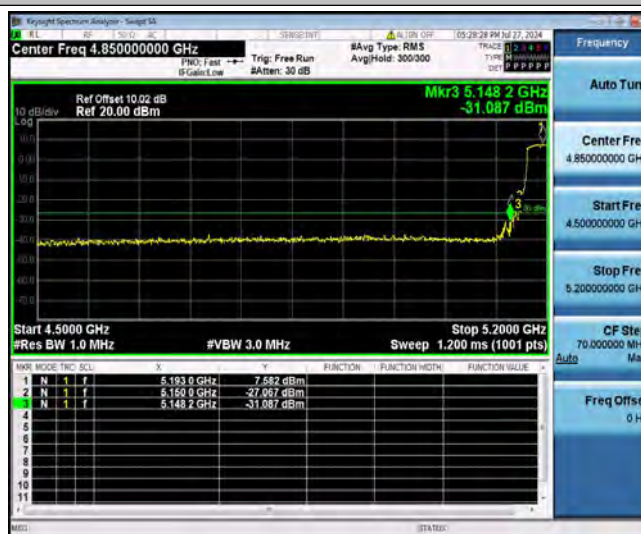
11AC20SISO\_Ant1\_Low\_5180



11AC20SISO\_Ant1\_High\_5240



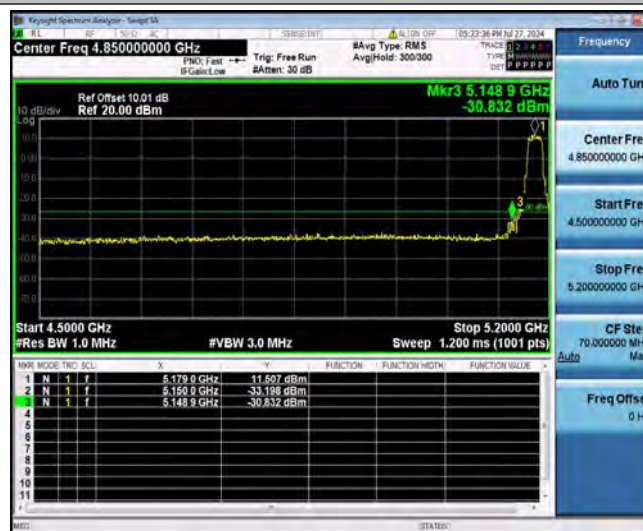
11AC40SISO\_Ant1\_Low\_5190



11AC40SISO\_Ant1\_High\_5230



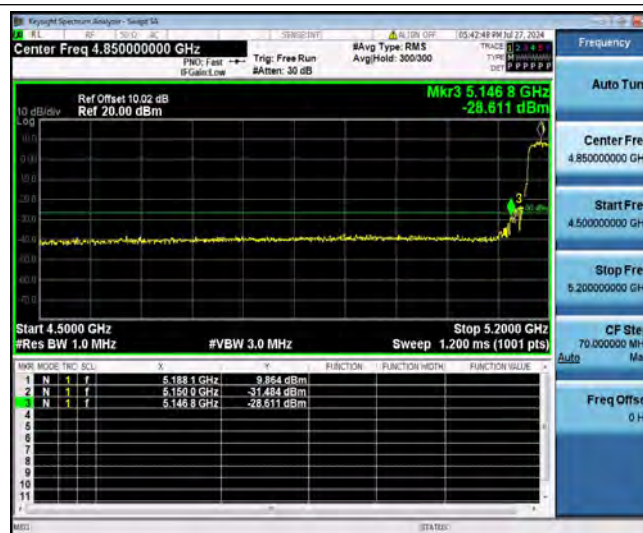
11AX20SISO\_Ant1\_Low\_5180



11AX20SISO\_Ant1\_High\_5240



11AX40SISO\_Ant1\_Low\_5190



11AX40SISO\_Ant1\_High\_5230



## Appendix C.7: Conducted Spurious Emission

### Test Result

| TestMode   | Antenna | Freq(MHz) | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|-----------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5180      | 30~5140         | 5135.06        | -39.91           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 25989.41       | -37.61           | ≤-27        | PASS    |
|            |         | 5200      | 30~5140         | 4975.8         | -45.8            | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24284.9        | -37.17           | ≤-27        | PASS    |
|            |         | 5240      | 30~5140         | 5081.06        | -42.01           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 26596.05       | -37.41           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5180      | 30~5140         | 5139.83        | -35.61           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 25554.45       | -37.26           | ≤-27        | PASS    |
|            |         | 5200      | 30~5140         | 4160.07        | -40.37           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24234.41       | -36.69           | ≤-27        | PASS    |
|            |         | 5240      | 30~5140         | 5105.76        | -44.69           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 23505.86       | -37.19           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5190      | 30~5140         | 5134.21        | -33.39           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24266.87       | -36.09           | ≤-27        | PASS    |
|            |         | 5230      | 30~5140         | 5139.32        | -44.79           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24386.61       | -37.55           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5180      | 30~5140         | 5133.36        | -39.85           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 26580.91       | -37.22           | ≤-27        | PASS    |
|            |         | 5200      | 30~5140         | 4910.73        | -45.66           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 23503.7        | -37.55           | ≤-27        | PASS    |
|            |         | 5240      | 30~5140         | 4192.27        | -42.76           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 25972.1        | -37.35           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5190      | 30~5140         | 5138.13        | -36.27           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 23490.71       | -36.85           | ≤-27        | PASS    |
|            |         | 5230      | 30~5140         | 4987.72        | -46.31           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24248.11       | -36.75           | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | 5180      | 30~5140         | 5139.15        | -40.18           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24199.06       | -36.83           | ≤-27        | PASS    |
|            |         | 5200      | 30~5140         | 5136.42        | -46.05           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 26647.99       | -36.74           | ≤-27        | PASS    |
|            |         | 5240      | 30~5140         | 4192.61        | -45.26           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 26907.67       | -36.78           | ≤-27        | PASS    |
| 11AX40SISO | Ant1    | 5190      | 30~5140         | 5137.96        | -36.92           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24258.21       | -37.57           | ≤-27        | PASS    |
|            |         | 5230      | 30~5140         | 4755.56        | -46.36           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24210.6        | -36.96           | ≤-27        | PASS    |

## Test Graphs

11A\_Ant1\_5180\_30~5140



11A\_Ant1\_5180\_5360~27000



11A\_Ant1\_5200\_30~5140



11A\_Ant1\_5200\_5360~27000



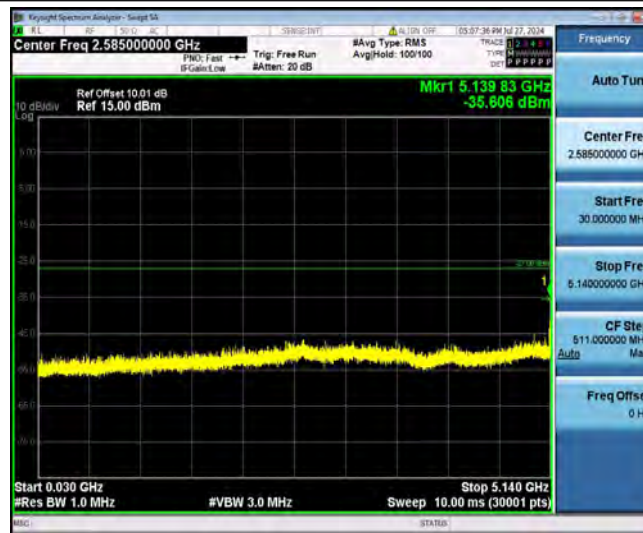
11A\_Ant1\_5240\_30~5140



11A\_Ant1\_5240\_5360~27000



11N20SISO\_Ant1\_5180\_30~5140



11N20SISO\_Ant1\_5180\_5360~27000



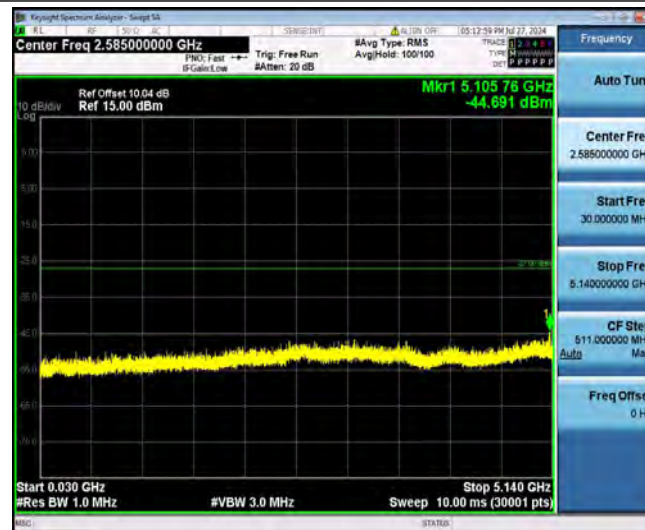
11N20SISO\_Ant1\_5200\_30~5140



11N20SISO\_Ant1\_5200\_5360~27000



11N20SISO\_Ant1\_5240\_30~5140



11N20SISO\_Ant1\_5240\_5360~27000



11N40SISO\_Ant1\_5190\_30~5140



11N40SISO\_Ant1\_5190\_5360~27000



11N40SISO\_Ant1\_5230\_30~5140



11N40SISO\_Ant1\_5230\_5360~27000



11AC20SISO\_Ant1\_5180\_30~5140



11AC20SISO\_Ant1\_5180\_5360~27000



11AC20SISO\_Ant1\_5200\_30~5140



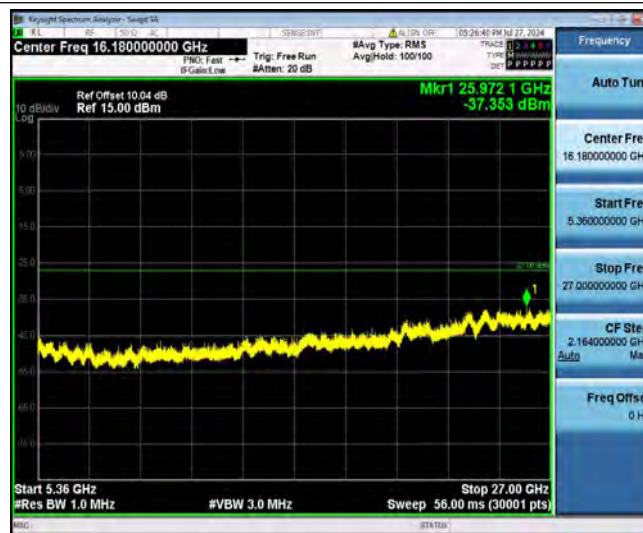
11AC20SISO\_Ant1\_5200\_5360~27000



11AC20SISO\_Ant1\_5240\_30~5140



11AC20SISO\_Ant1\_5240\_5360~27000



11AC40SISO\_Ant1\_5190\_30~5140



11AC40SISO\_Ant1\_5190\_5360~27000



11AC40SISO\_Ant1\_5230\_30~5140



11AC40SISO\_Ant1\_5230\_5360~27000



11AX20SISO\_Ant1\_5180\_30~5140



11AX20SISO\_Ant1\_5180\_5360~27000



11AX20SISO\_Ant1\_5200\_30~5140



11AX20SISO\_Ant1\_5200\_5360~27000



11AX20SISO\_Ant1\_5240\_30~5140



11AX20SISO\_Ant1\_5240\_5360~27000



11AX40SISO\_Ant1\_5190\_30~5140



11AX40SISO\_Ant1\_5190\_5360~27000



11AX40SISO\_Ant1\_5230\_30~5140



11AX40SISO\_Ant1\_5230\_5360~27000



## Appendix C.8: Emissions in Restricted Bands

### Test Result

| TestMode      | Antenna | ChName | Freq(MHz ) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|---------------|---------|--------|------------|----------|------------|--------------|-------------|-----------------|----------------|---------|
| 11A           | Ant1    | Low    | 5180       | AV       | 4500.000   | -47.54       | ≤-41.20     | 47.66           | ≤54            | PASS    |
|               |         |        |            | AV       | 5146.800   | -44.52       | ≤-41.20     | 50.68           | ≤54            | PASS    |
|               |         |        |            | AV       | 5150.000   | -44.63       | ≤-41.20     | 50.57           | ≤54            | PASS    |
|               |         |        |            | Peak     | 4500.000   | -41.13       | ≤-21.20     | 54.07           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5146.100   | -30.26       | ≤-21.20     | 64.94           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5150.000   | -31.48       | ≤-21.20     | 63.72           | ≤74            | PASS    |
|               |         | High   | 5240       | AV       | 5350.000   | -46.5        | ≤-41.20     | 48.70           | ≤54            | PASS    |
|               |         |        |            | AV       | 5439.120   | -45.19       | ≤-41.20     | 50.01           | ≤54            | PASS    |
|               |         |        |            | AV       | 5460.000   | -45.81       | ≤-41.20     | 49.39           | ≤54            | PASS    |
|               |         |        |            | Peak     | 5350.000   | -39.42       | ≤-21.20     | 55.78           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5446.320   | -35.64       | ≤-21.20     | 59.56           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5460.000   | -39.13       | ≤-21.20     | 56.07           | ≤74            | PASS    |
| 11N20SIS<br>O | Ant1    | Low    | 5180       | AV       | 4500.000   | -47.47       | ≤-41.20     | 47.73           | ≤54            | PASS    |
|               |         |        |            | AV       | 4938.900   | -44.66       | ≤-41.20     | 50.54           | ≤54            | PASS    |
|               |         |        |            | AV       | 5150.000   | -44.25       | ≤-41.20     | 50.95           | ≤54            | PASS    |
|               |         |        |            | Peak     | 4500.000   | -39.82       | ≤-21.20     | 55.38           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5148.900   | -28.44       | ≤-21.20     | 66.76           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5150.000   | -29.56       | ≤-21.20     | 65.64           | ≤74            | PASS    |
|               |         | High   | 5240       | AV       | 5350.000   | -46.26       | ≤-41.20     | 48.94           | ≤54            | PASS    |
|               |         |        |            | AV       | 5452.560   | -44.86       | ≤-41.20     | 50.34           | ≤54            | PASS    |
|               |         |        |            | AV       | 5460.000   | -44.99       | ≤-41.20     | 50.21           | ≤54            | PASS    |
|               |         |        |            | Peak     | 5350.000   | -39.53       | ≤-21.20     | 55.67           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5418.480   | -35.73       | ≤-21.20     | 59.47           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5460.000   | -38.62       | ≤-21.20     | 56.58           | ≤74            | PASS    |
| 11N40SIS<br>O | Ant1    | Low    | 5190       | AV       | 4500.000   | -47.38       | ≤-41.20     | 47.82           | ≤54            | PASS    |
|               |         |        |            | AV       | 5146.800   | -44.76       | ≤-41.20     | 50.44           | ≤54            | PASS    |
|               |         |        |            | AV       | 5150.000   | -43.15       | ≤-41.20     | 52.05           | ≤54            | PASS    |
|               |         |        |            | Peak     | 4500.000   | -40.42       | ≤-21.20     | 54.78           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5146.800   | -25.05       | ≤-21.20     | 70.15           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5150.000   | -32.2        | ≤-21.20     | 63.00           | ≤74            | PASS    |
|               |         | High   | 5230       | AV       | 5350.000   | -46.53       | ≤-41.20     | 48.67           | ≤54            | PASS    |
|               |         |        |            | AV       | 5446.480   | -44.81       | ≤-41.20     | 50.39           | ≤54            | PASS    |
|               |         |        |            | AV       | 5460.000   | -45.39       | ≤-41.20     | 49.81           | ≤54            | PASS    |
|               |         |        |            | Peak     | 5350.000   | -37.53       | ≤-21.20     | 57.67           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5377.580   | -35.26       | ≤-21.20     | 59.94           | ≤74            | PASS    |
|               |         |        |            | Peak     | 5460.000   | -35.89       | ≤-21.20     | 59.31           | ≤74            | PASS    |

|                |      |      |      |      |          |        |         |       |     |      |
|----------------|------|------|------|------|----------|--------|---------|-------|-----|------|
| 11AC20SI<br>SO | Ant1 | Low  | 5180 | AV   | 4500.000 | -47.88 | ≤-41.20 | 47.32 | ≤54 | PASS |
|                |      |      |      | AV   | 4939.600 | -45.45 | ≤-41.20 | 49.75 | ≤54 | PASS |
|                |      |      |      | AV   | 5150.000 | -45.65 | ≤-41.20 | 49.55 | ≤54 | PASS |
|                |      |      |      | Peak | 4500.000 | -41.14 | ≤-21.20 | 54.06 | ≤74 | PASS |
|                |      |      |      | Peak | 4664.500 | -34.58 | ≤-21.20 | 60.62 | ≤74 | PASS |
|                |      |      |      | Peak | 5150.000 | -31.48 | ≤-21.20 | 63.72 | ≤74 | PASS |
|                |      | High | 5240 | AV   | 5350.000 | -46.54 | ≤-41.20 | 48.66 | ≤54 | PASS |
|                |      |      |      | AV   | 5456.880 | -45.48 | ≤-41.20 | 49.72 | ≤54 | PASS |
|                |      |      |      | AV   | 5460.000 | -45.59 | ≤-41.20 | 49.61 | ≤54 | PASS |
|                |      |      |      | Peak | 5350.000 | -39.64 | ≤-21.20 | 55.56 | ≤74 | PASS |
|                |      |      |      | Peak | 5397.360 | -35.02 | ≤-21.20 | 60.18 | ≤74 | PASS |
|                |      |      |      | Peak | 5460.000 | -38.03 | ≤-21.20 | 57.17 | ≤74 | PASS |
| 11AC40SI<br>SO | Ant1 | Low  | 5190 | AV   | 4500.000 | -47.88 | ≤-41.20 | 47.32 | ≤54 | PASS |
|                |      |      |      | AV   | 5146.800 | -44.76 | ≤-41.20 | 50.44 | ≤54 | PASS |
|                |      |      |      | AV   | 5150.000 | -44.54 | ≤-41.20 | 50.66 | ≤54 | PASS |
|                |      |      |      | Peak | 4500.000 | -40.74 | ≤-21.20 | 54.46 | ≤74 | PASS |
|                |      |      |      | Peak | 5146.100 | -29.77 | ≤-21.20 | 65.43 | ≤74 | PASS |
|                |      |      |      | Peak | 5150.000 | -33.11 | ≤-21.20 | 62.09 | ≤74 | PASS |
|                |      | High | 5230 | AV   | 5350.000 | -46.26 | ≤-41.20 | 48.94 | ≤54 | PASS |
|                |      |      |      | AV   | 5452.460 | -45.36 | ≤-41.20 | 49.84 | ≤54 | PASS |
|                |      |      |      | AV   | 5460.000 | -45.69 | ≤-41.20 | 49.51 | ≤54 | PASS |
|                |      |      |      | Peak | 5350.000 | -38.52 | ≤-21.20 | 56.68 | ≤74 | PASS |
|                |      |      |      | Peak | 5417.880 | -35.55 | ≤-21.20 | 59.65 | ≤74 | PASS |
|                |      |      |      | Peak | 5460.000 | -36.06 | ≤-21.20 | 59.14 | ≤74 | PASS |
| 11AX20SI<br>SO | Ant1 | Low  | 5180 | AV   | 4500.000 | -47.71 | ≤-41.20 | 47.49 | ≤54 | PASS |
|                |      |      |      | AV   | 4936.800 | -45.35 | ≤-41.20 | 49.85 | ≤54 | PASS |
|                |      |      |      | AV   | 5150.000 | -45.21 | ≤-41.20 | 49.99 | ≤54 | PASS |
|                |      |      |      | Peak | 4500.000 | -40.26 | ≤-21.20 | 54.94 | ≤74 | PASS |
|                |      |      |      | Peak | 5148.200 | -30.49 | ≤-21.20 | 64.71 | ≤74 | PASS |
|                |      |      |      | Peak | 5150.000 | -29.82 | ≤-21.20 | 65.38 | ≤74 | PASS |
|                |      | High | 5240 | AV   | 5350.000 | -46.51 | ≤-41.20 | 48.69 | ≤54 | PASS |
|                |      |      |      | AV   | 5444.880 | -45.46 | ≤-41.20 | 49.74 | ≤54 | PASS |
|                |      |      |      | AV   | 5460.000 | -45.59 | ≤-41.20 | 49.61 | ≤54 | PASS |
|                |      |      |      | Peak | 5350.000 | -39.56 | ≤-21.20 | 55.64 | ≤74 | PASS |
|                |      |      |      | Peak | 5414.160 | -35.52 | ≤-21.20 | 59.68 | ≤74 | PASS |
|                |      |      |      | Peak | 5460.000 | -38.17 | ≤-21.20 | 57.03 | ≤74 | PASS |
| 11AX40SI<br>SO | Ant1 | Low  | 5190 | AV   | 4500.000 | -47.62 | ≤-41.20 | 47.58 | ≤54 | PASS |
|                |      |      |      | AV   | 5149.600 | -44.66 | ≤-41.20 | 50.54 | ≤54 | PASS |
|                |      |      |      | AV   | 5150.000 | -45    | ≤-41.20 | 50.20 | ≤54 | PASS |
|                |      |      |      | Peak | 4500.000 | -40.43 | ≤-21.20 | 54.77 | ≤74 | PASS |
|                |      |      |      | Peak | 5148.200 | -31.84 | ≤-21.20 | 63.36 | ≤74 | PASS |
|                |      |      |      | Peak | 5150.000 | -26.53 | ≤-21.20 | 68.67 | ≤74 | PASS |
|                |      | High | 5230 | AV   | 5350.000 | -46.63 | ≤-41.20 | 48.57 | ≤54 | PASS |

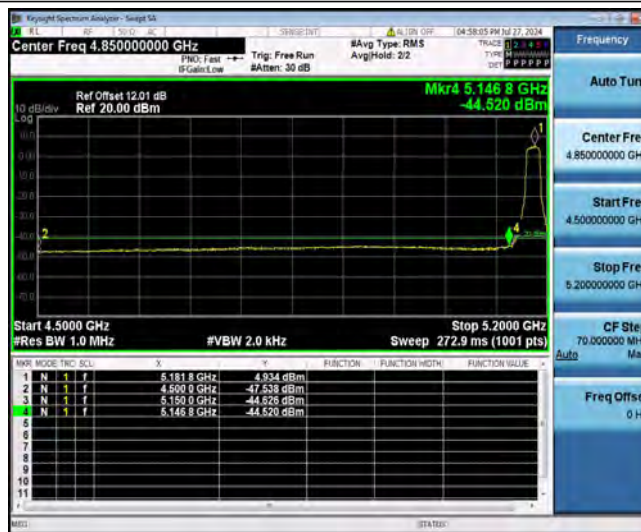
|  |  |  |  |      |          |        |         |       |     |      |
|--|--|--|--|------|----------|--------|---------|-------|-----|------|
|  |  |  |  | AV   | 5457.400 | -45.44 | ≤-41.20 | 49.76 | ≤54 | PASS |
|  |  |  |  | AV   | 5460.000 | -45.69 | ≤-41.20 | 49.51 | ≤54 | PASS |
|  |  |  |  | Peak | 5350.000 | -38.2  | ≤-21.20 | 57.00 | ≤74 | PASS |
|  |  |  |  | Peak | 5422.820 | -34.98 | ≤-21.20 | 60.22 | ≤74 | PASS |
|  |  |  |  | Peak | 5460.000 | -37.98 | ≤-21.20 | 57.22 | ≤74 | PASS |

## Note:

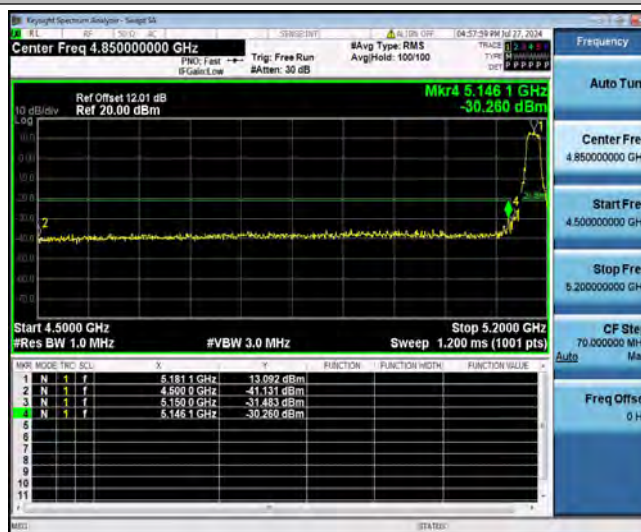
3. The Antenna Gain is compensated in the graph.
4. The Duty Cycle Factor and RBW Factor is compensated in the graph.
5. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

11A\_Ant1\_Low\_5180\_AV



11A\_Ant1\_Low\_5180\_Peak



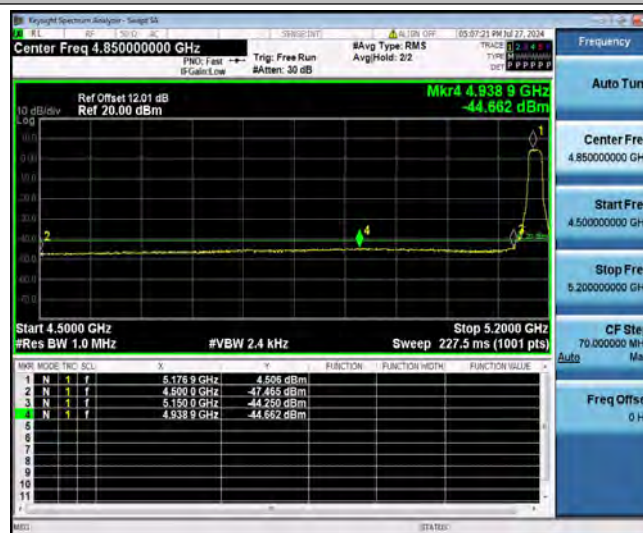
11A\_Ant1\_High\_5240\_AV



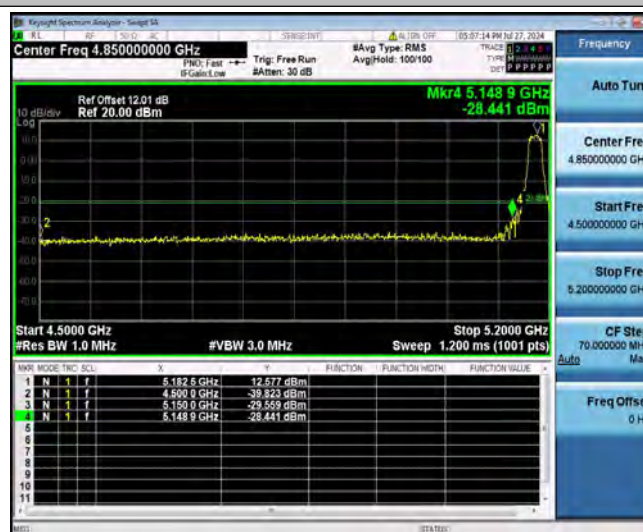
11A\_Ant1\_High\_5240\_Peak



11N20SISO\_Ant1\_Low\_5180\_AV



11N20SISO\_Ant1\_Low\_5180\_Peak



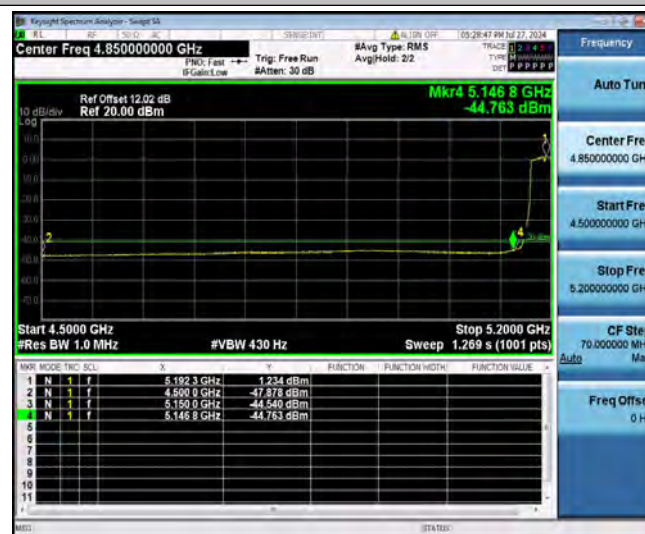
11N20SISO\_Ant1\_High\_5240\_AV



11N20SISO\_Ant1\_High\_5240\_Peak



11N40SISO\_Ant1\_Low\_5190\_AV



11N40SISO\_Ant1\_Low\_5190\_Peak



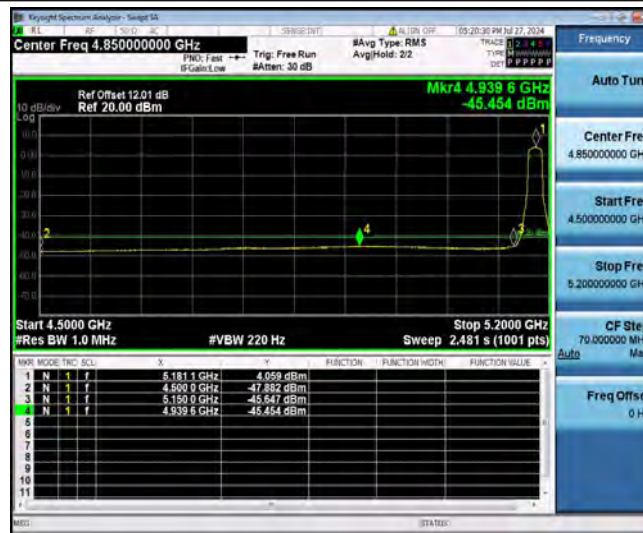
11N40SISO\_Ant1\_High\_5230\_AV



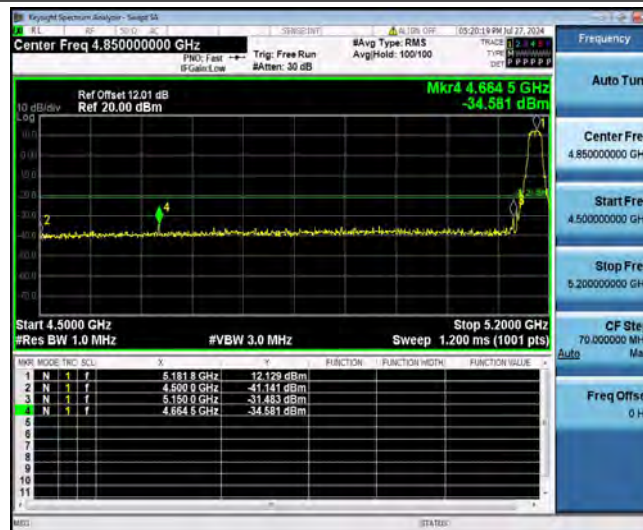
11N40SISO\_Ant1\_High\_5230\_Peak



11AC20SISO\_Ant1\_Low\_5180\_AV



11AC20SISO\_Ant1\_Low\_5180\_Peak



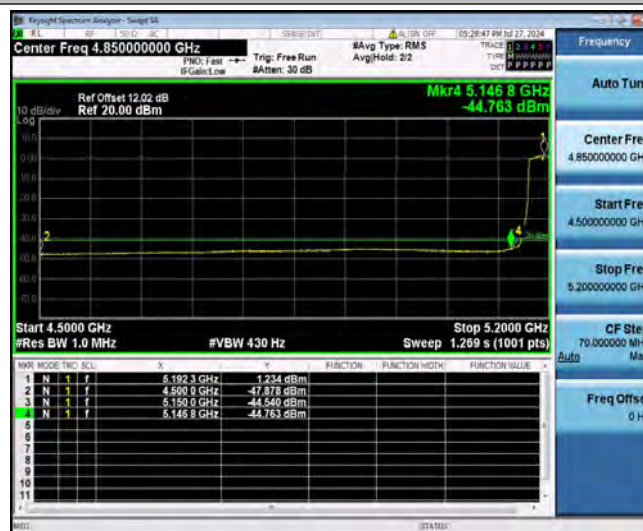
11AC20SISO\_Ant1\_High\_5240\_AV



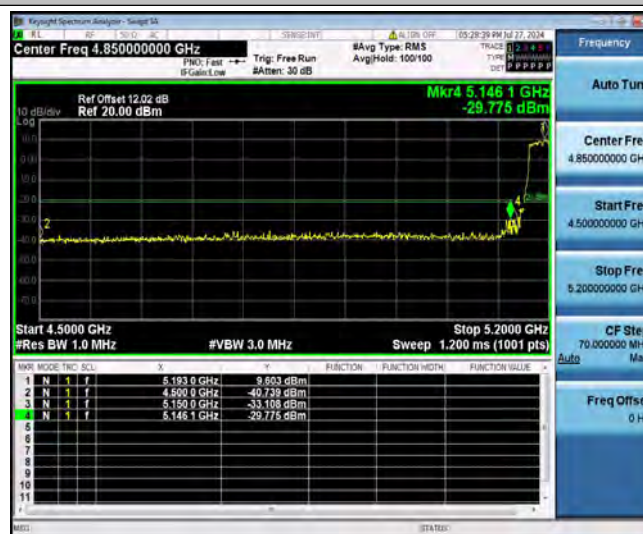
11AC20SISO\_Ant1\_High\_5240\_Peak



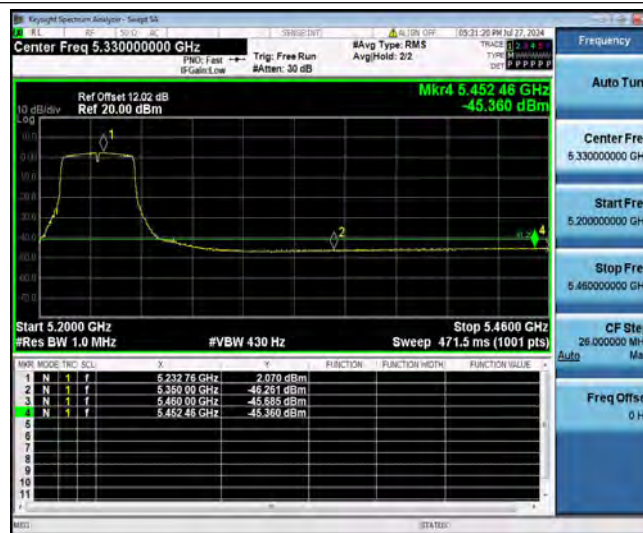
11AC40SISO\_Ant1\_Low\_5190\_AV



11AC40SISO\_Ant1\_Low\_5190\_Peak



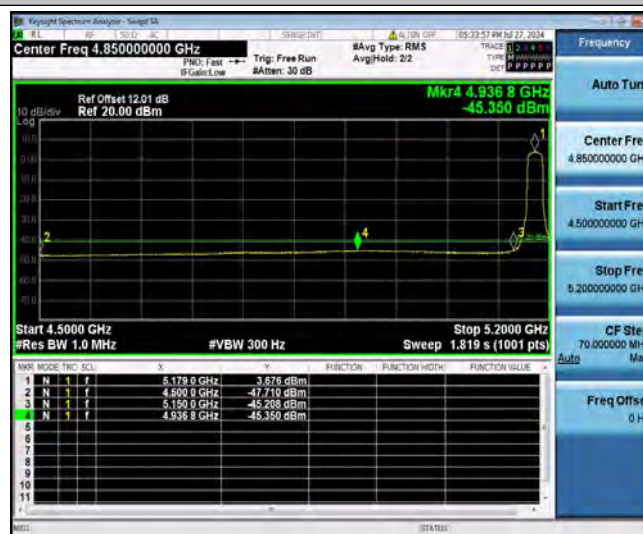
11AC40SISO\_Ant1\_High\_5230\_AV



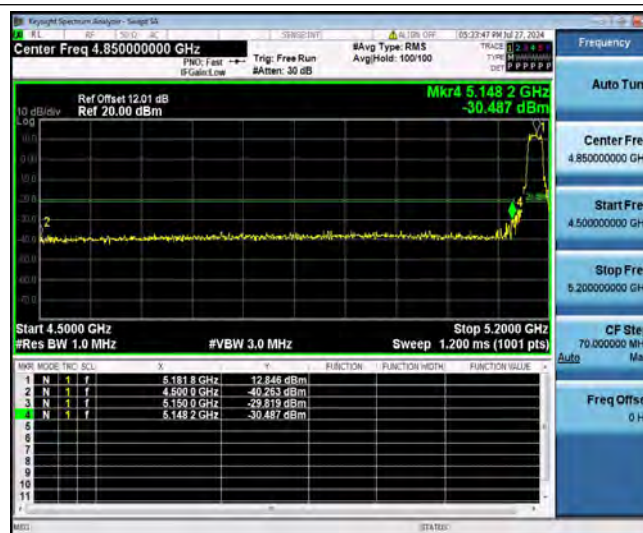
11AC40SISO\_Ant1\_High\_5230\_Peak



11AX20SISO\_Ant1\_Low\_5180\_AV



11AX20SISO\_Ant1\_Low\_5180\_Peak



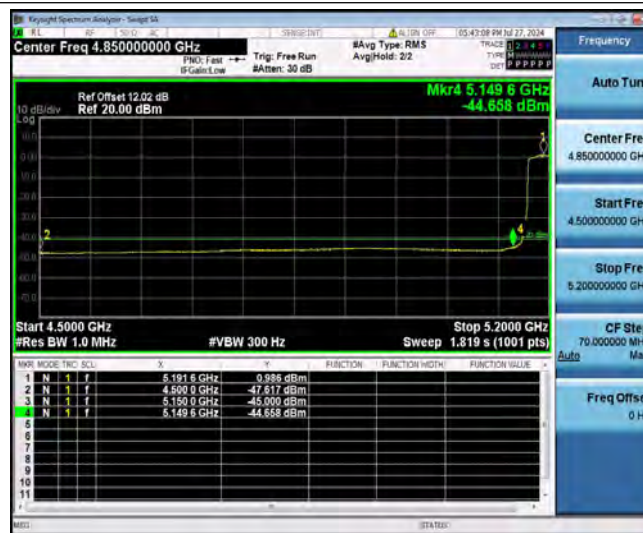
11AX20SISO\_Ant1\_High\_5240\_AV



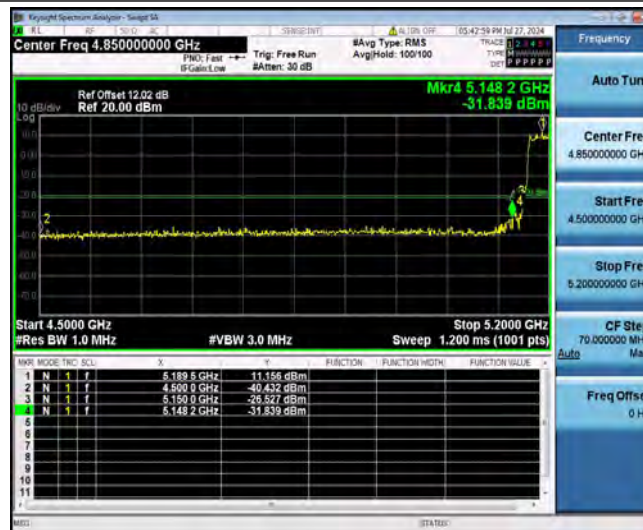
11AX20SISO\_Ant1\_High\_5240\_Peak



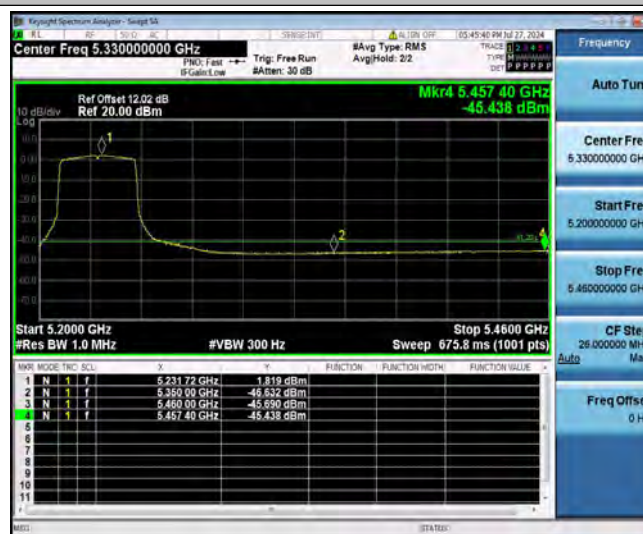
11AX40SISO\_Ant1\_Low\_5190\_AV



11AX40SISO\_Ant1\_Low\_5190\_Peak



11AX40SISO\_Ant1\_High\_5230\_AV



11AX40SISO\_Ant1\_High\_5230\_Peak

