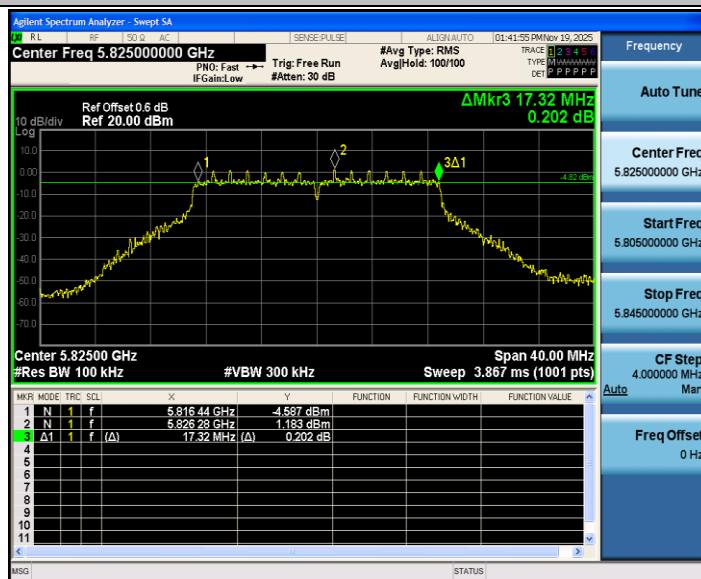
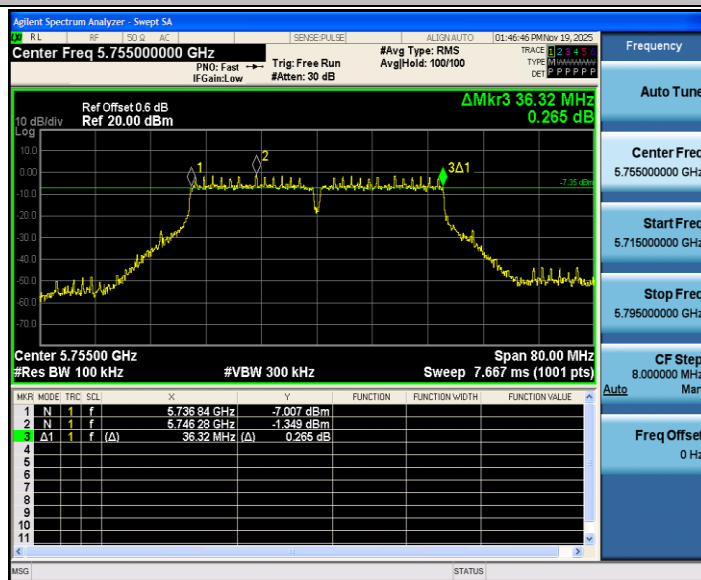


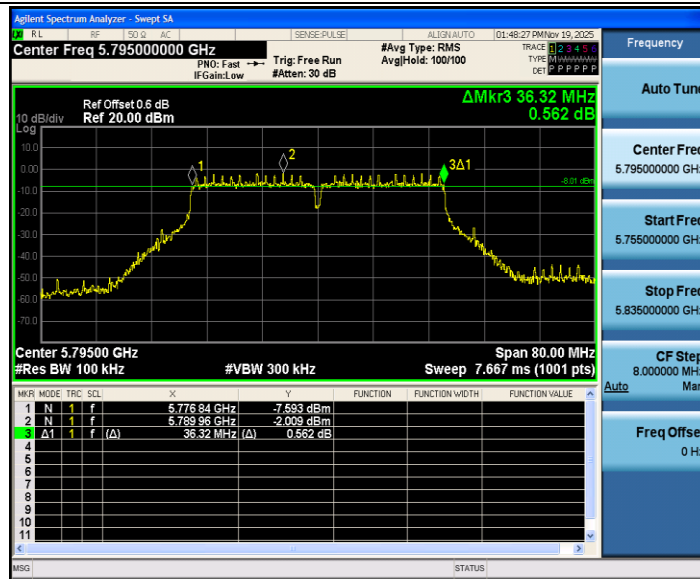
# 11AC20SISO\_Ant1\_5825



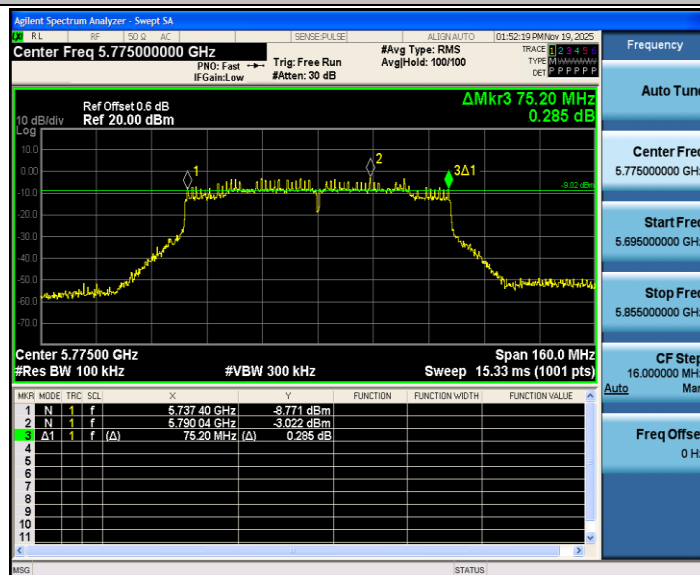
# 11AC40SISO\_Ant1\_5755



# 11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

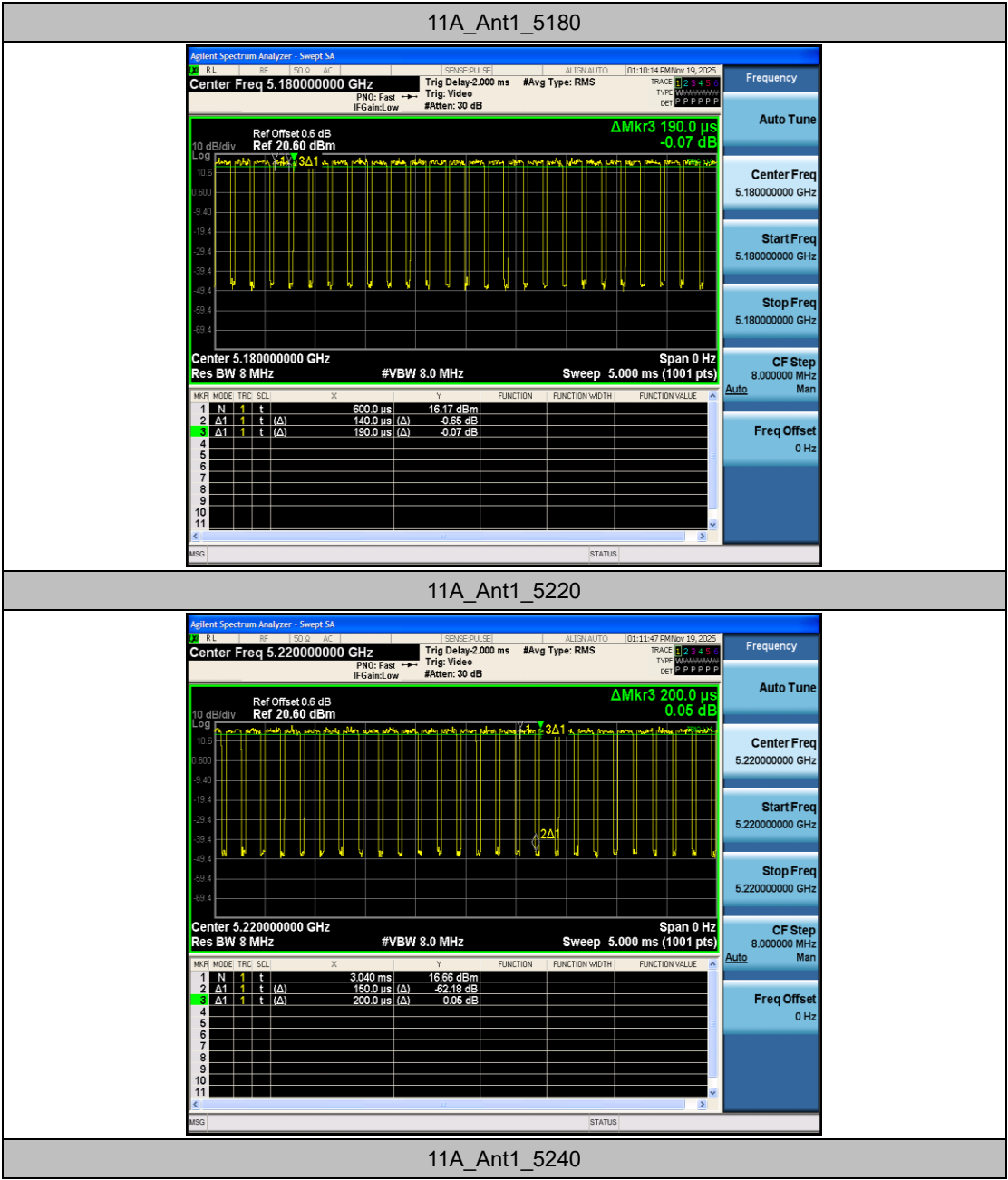


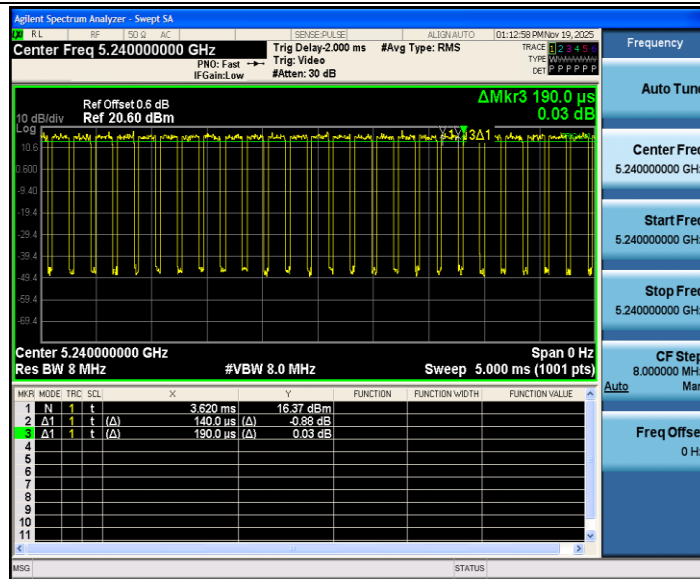
## Appendix B: Duty Cycle

### Test Result

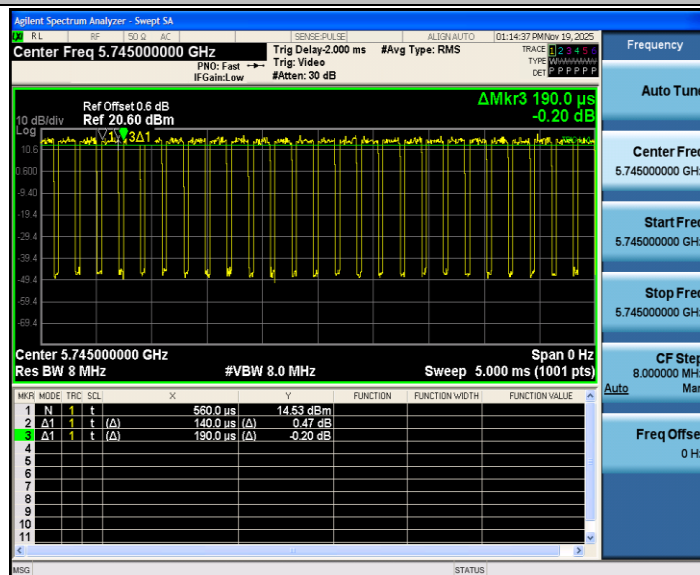
| TestMode   | Antenna | Freq(MHz) | Transmission<br>Duration [ms] | Transmission<br>Period [ms] | Duty<br>Cycle<br>[%] | Duty<br>factor(dB) | Limit | Verdict |
|------------|---------|-----------|-------------------------------|-----------------------------|----------------------|--------------------|-------|---------|
| 11A        | Ant1    | 5180      | 0.14                          | 0.19                        | 73.68                | 1.33               | ---   | ---     |
|            |         | 5220      | 0.15                          | 0.20                        | 75.00                | 1.25               | ---   | ---     |
|            |         | 5240      | 0.14                          | 0.19                        | 73.68                | 1.33               | ---   | ---     |
|            |         | 5745      | 0.14                          | 0.19                        | 73.68                | 1.33               | ---   | ---     |
|            |         | 5785      | 0.14                          | 0.19                        | 73.68                | 1.33               | ---   | ---     |
|            |         | 5825      | 0.14                          | 0.19                        | 73.68                | 1.33               | ---   | ---     |
| 11N20SISO  | Ant1    | 5180      | 0.17                          | 0.22                        | 77.27                | 1.12               | ---   | ---     |
|            |         | 5220      | 0.18                          | 0.23                        | 78.26                | 1.06               | ---   | ---     |
|            |         | 5240      | 0.18                          | 0.23                        | 78.26                | 1.06               | ---   | ---     |
|            |         | 5745      | 0.18                          | 0.23                        | 78.26                | 1.06               | ---   | ---     |
|            |         | 5785      | 0.18                          | 0.23                        | 78.26                | 1.06               | ---   | ---     |
|            |         | 5825      | 0.18                          | 0.23                        | 78.26                | 1.06               | ---   | ---     |
| 11N40SISO  | Ant1    | 5190      | 0.18                          | 0.23                        | 78.26                | 1.06               | ---   | ---     |
|            |         | 5230      | 0.18                          | 0.23                        | 78.26                | 1.06               | ---   | ---     |
|            |         | 5755      | 0.18                          | 0.23                        | 78.26                | 1.06               | ---   | ---     |
|            |         | 5795      | 0.18                          | 0.23                        | 78.26                | 1.06               | ---   | ---     |
| 11AC20SISO | Ant1    | 5180      | 0.16                          | 0.21                        | 76.19                | 1.18               | ---   | ---     |
|            |         | 5220      | 0.16                          | 0.21                        | 76.19                | 1.18               | ---   | ---     |
|            |         | 5240      | 0.16                          | 0.21                        | 76.19                | 1.18               | ---   | ---     |
|            |         | 5745      | 0.16                          | 0.21                        | 76.19                | 1.18               | ---   | ---     |
|            |         | 5785      | 0.16                          | 0.21                        | 76.19                | 1.18               | ---   | ---     |
|            |         | 5825      | 0.16                          | 0.21                        | 76.19                | 1.18               | ---   | ---     |
| 11AC40SISO | Ant1    | 5190      | 0.15                          | 0.20                        | 75.00                | 1.25               | ---   | ---     |
|            |         | 5230      | 0.15                          | 0.20                        | 75.00                | 1.25               | ---   | ---     |
|            |         | 5755      | 0.15                          | 0.20                        | 75.00                | 1.25               | ---   | ---     |
|            |         | 5795      | 0.16                          | 0.21                        | 76.19                | 1.18               | ---   | ---     |
| 11AC80SISO | Ant1    | 5210      | 0.17                          | 0.22                        | 77.27                | 1.12               | ---   | ---     |
|            |         | 5775      | 0.16                          | 0.21                        | 76.19                | 1.18               | ---   | ---     |

Test Graphs

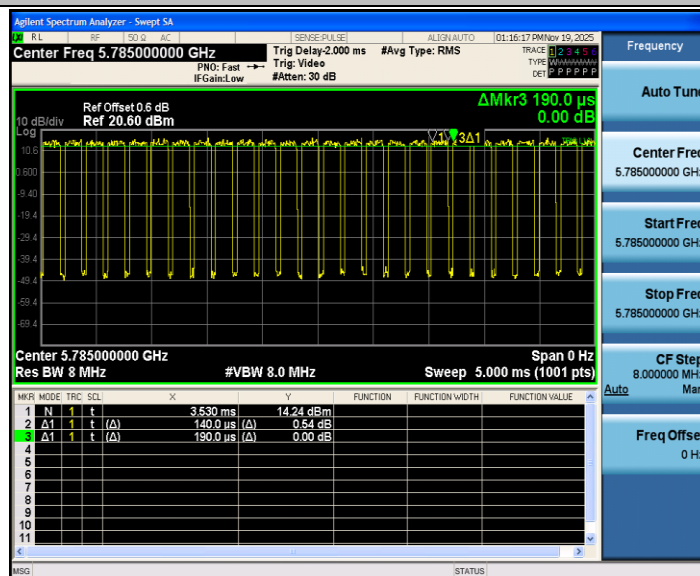




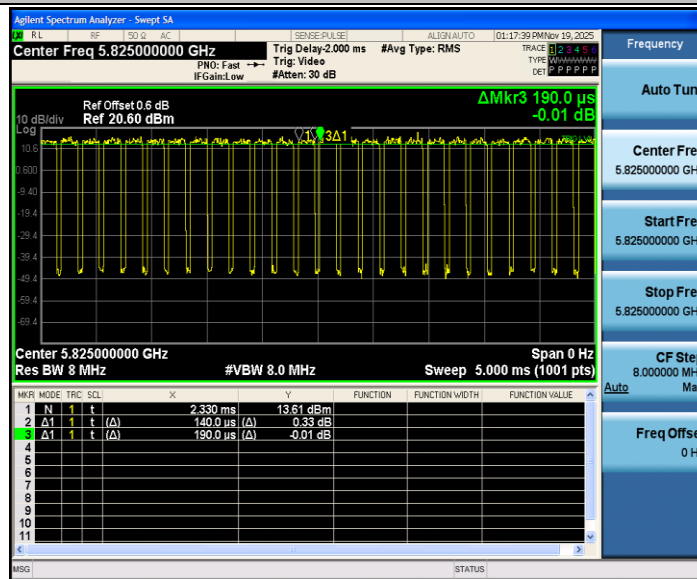
11A\_Ant1\_5745



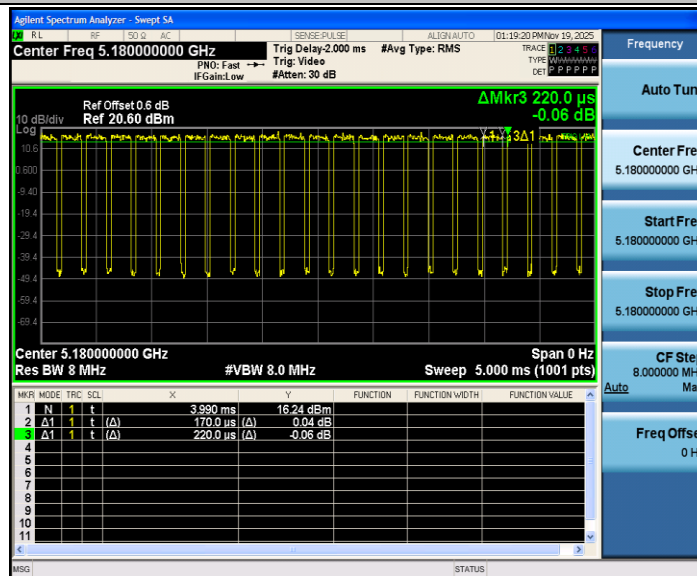
11A\_Ant1\_5785



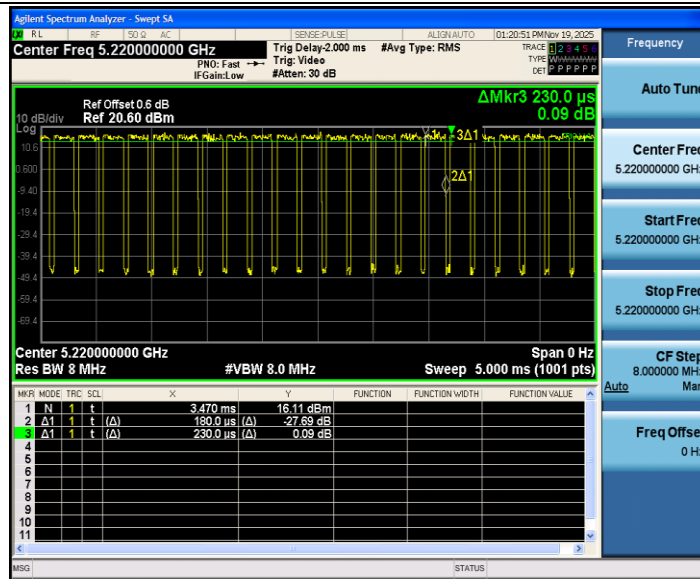
# 11A\_Ant1\_5825



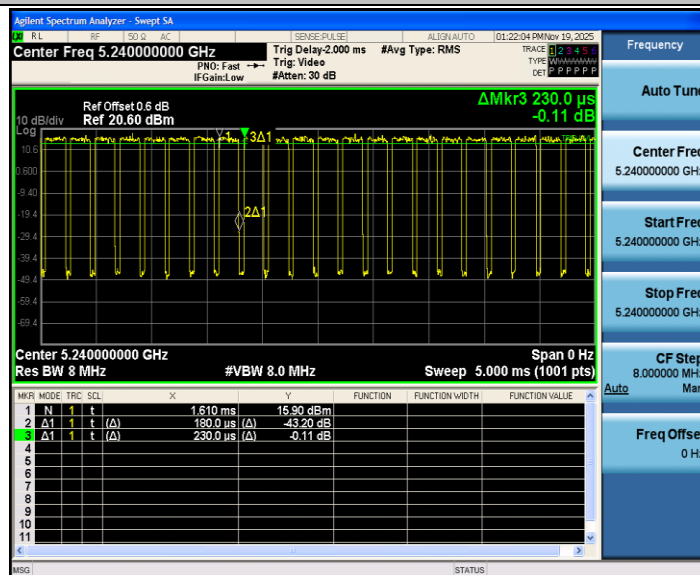
# 11N20SISO\_Ant1\_5180



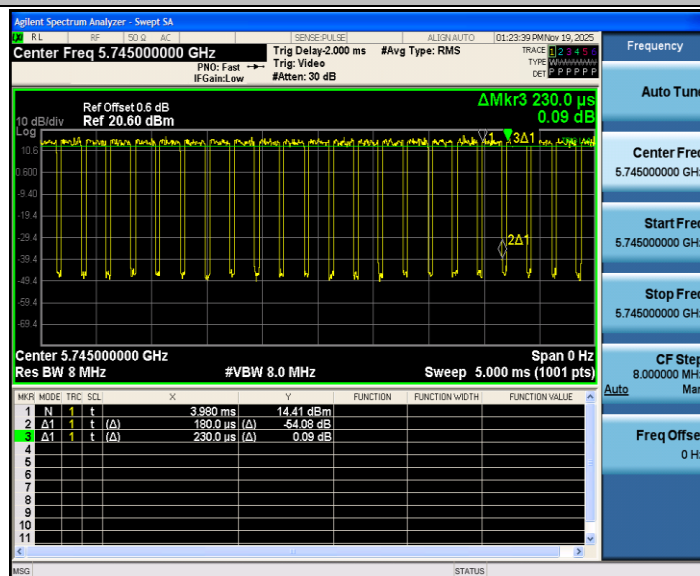
# 11N20SISO\_Ant1\_5220



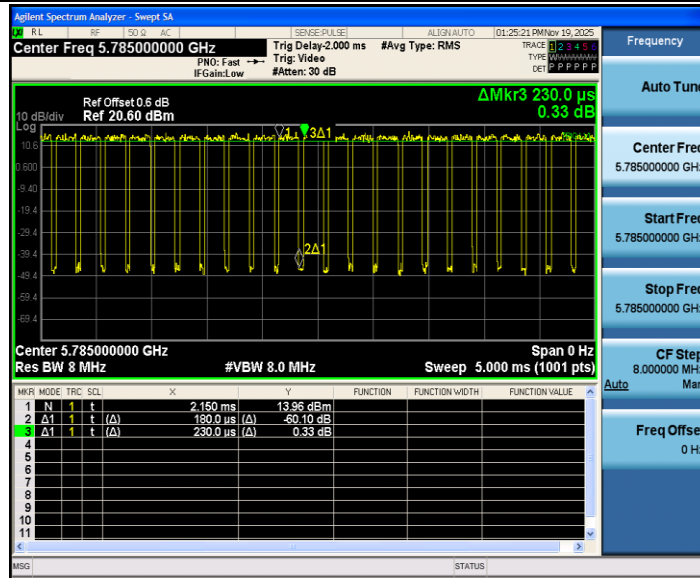
11N20SISO\_Ant1\_5240



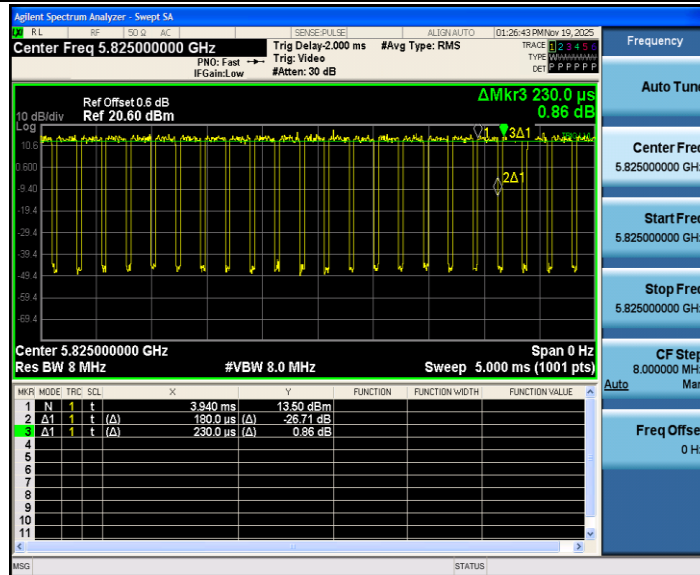
11N20SISO\_Ant1\_5745



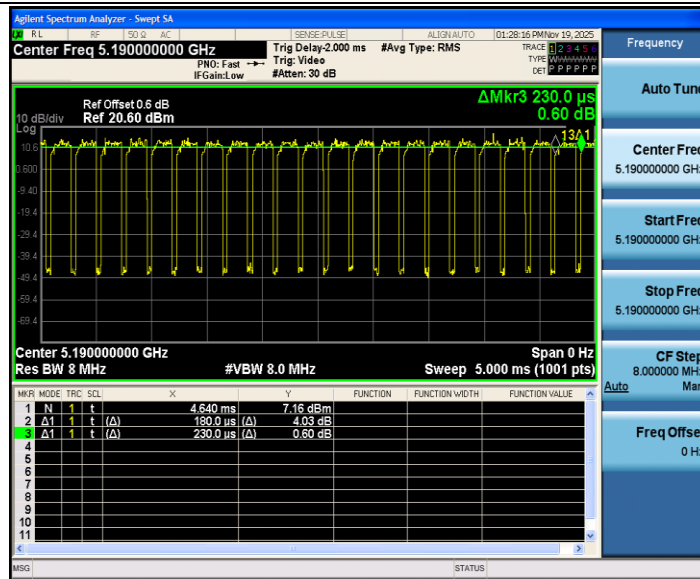
# 11N20SISO\_Ant1\_5785



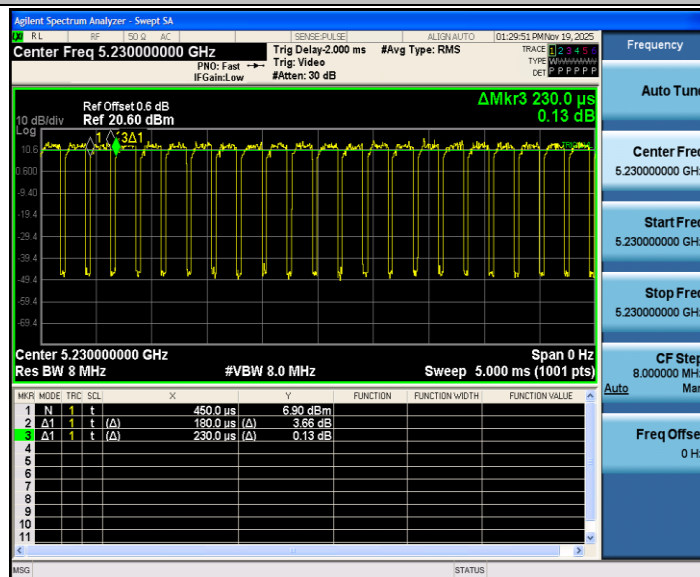
# 11N20SISO\_Ant1\_5825



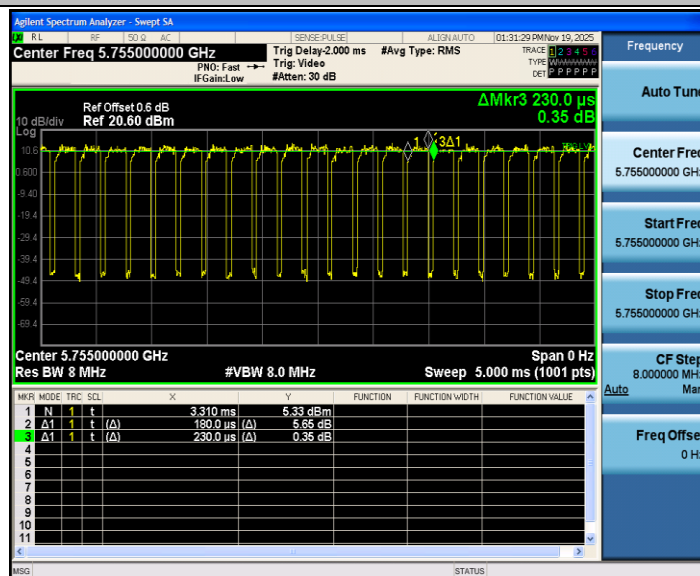
# 11N40SISO\_Ant1\_5190



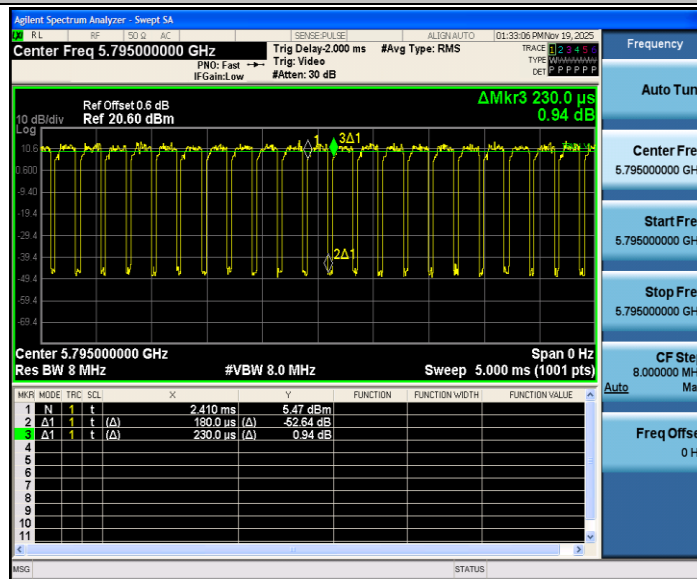
11N40SISO\_Ant1\_5230



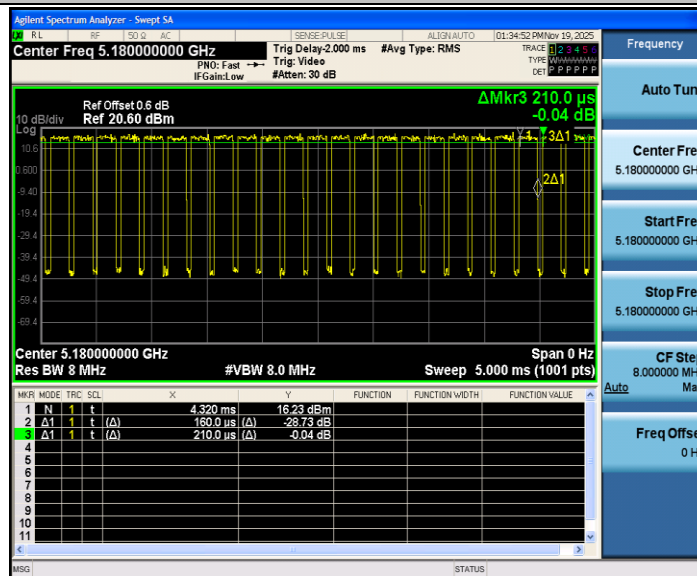
11N40SISO\_Ant1\_5755



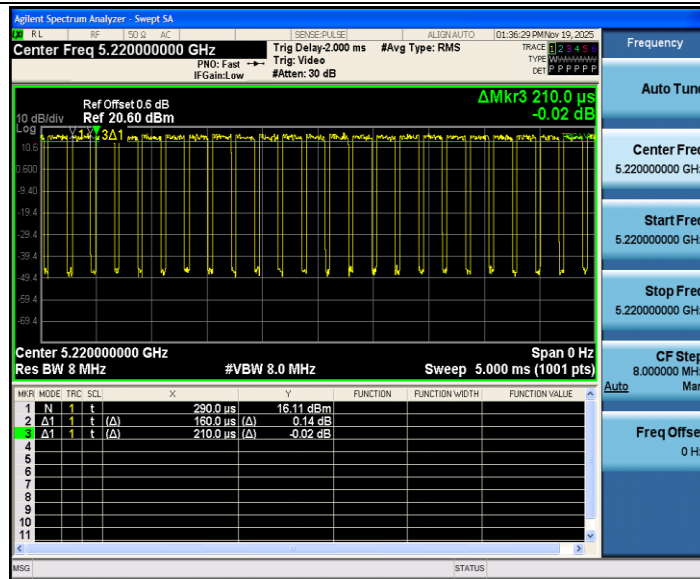
# 11N40SISO\_Ant1\_5795



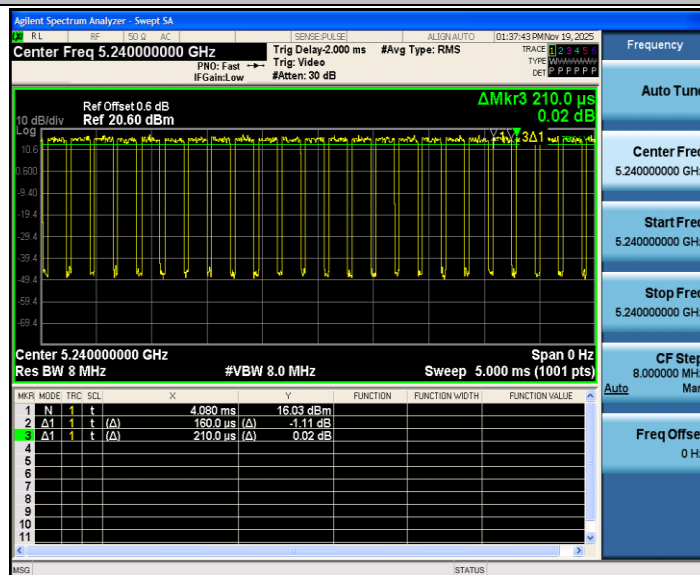
# 11AC20SISO\_Ant1\_5180



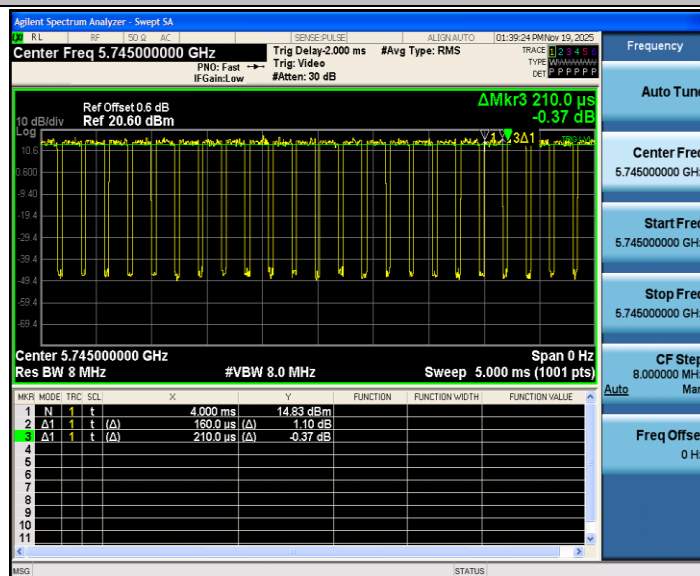
# 11AC20SISO\_Ant1\_5220



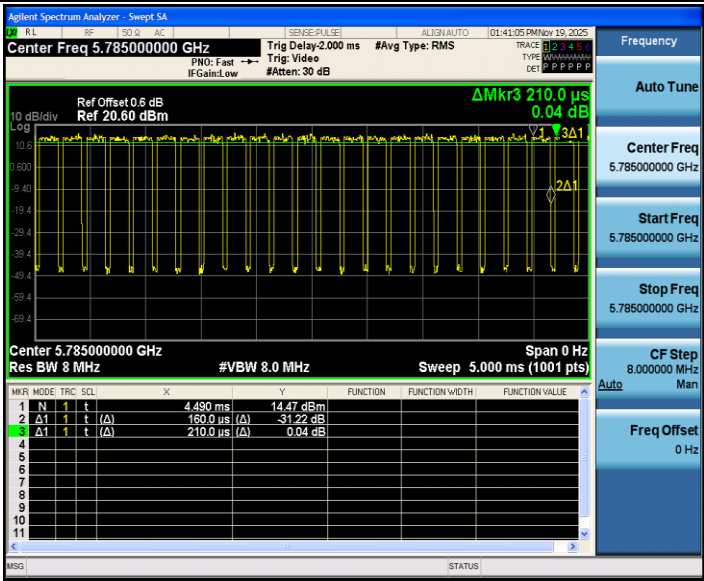
11AC20SISO\_Ant1\_5240



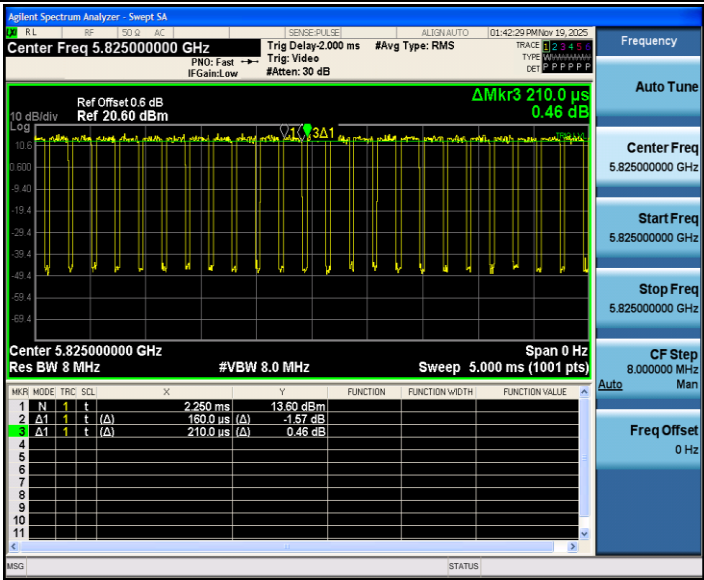
11AC20SISO\_Ant1\_5745



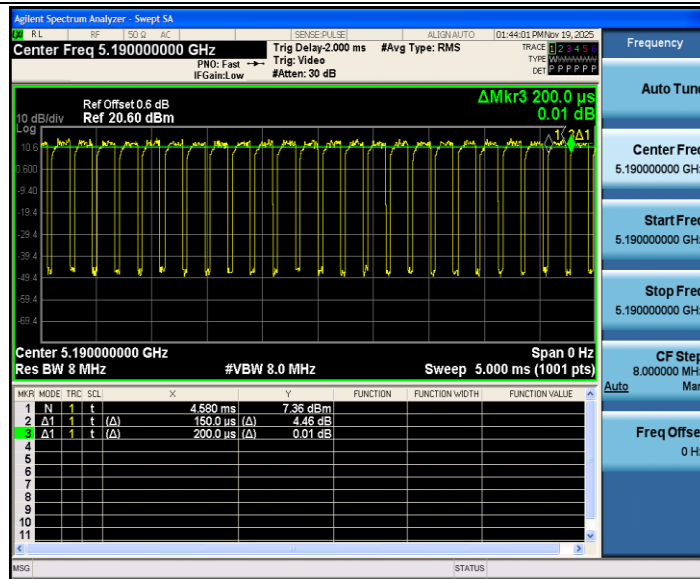
11AC20SISO\_Ant1\_5785



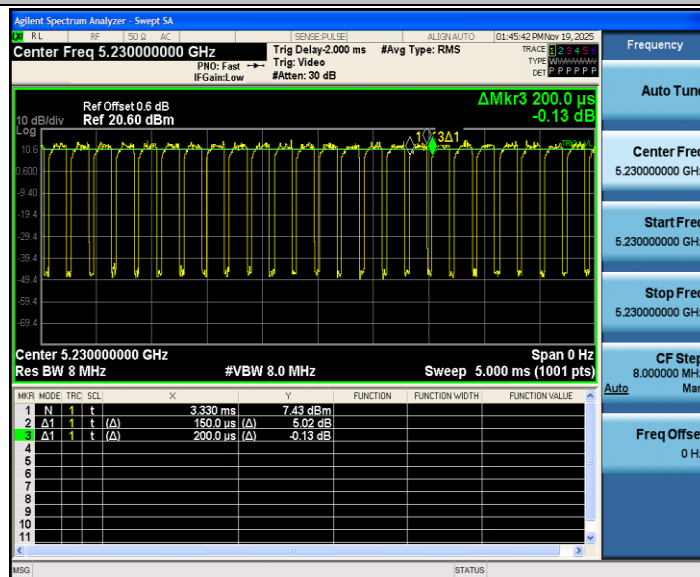
11AC20SISO\_Ant1\_5825



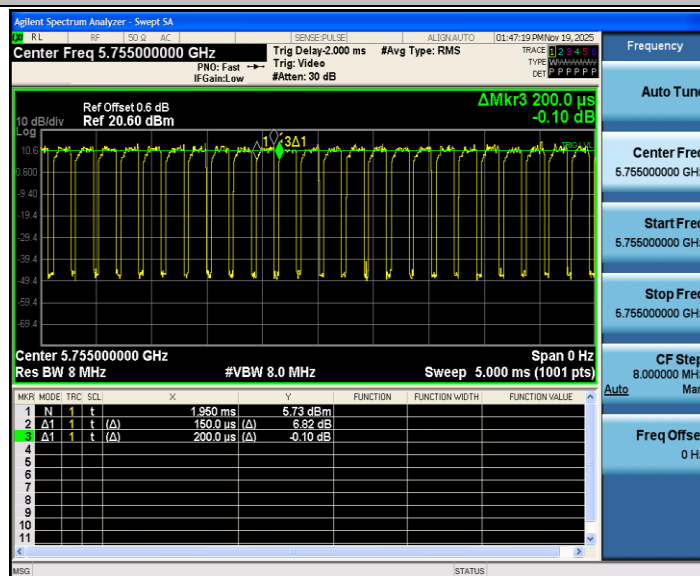
11AC40SISO\_Ant1\_5190



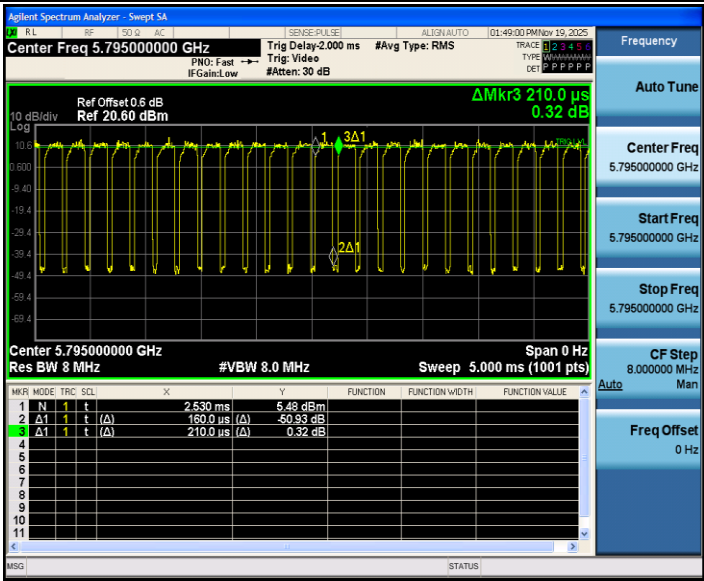
11AC40SISO\_Ant1\_5230



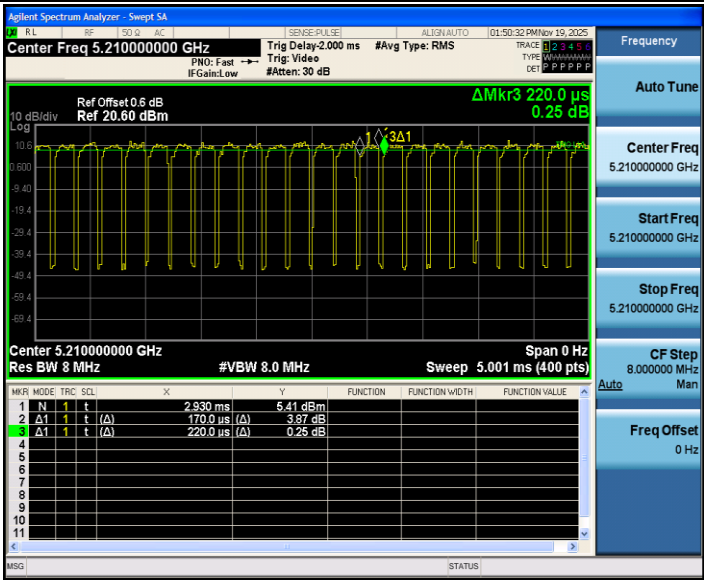
11AC40SISO\_Ant1\_5755



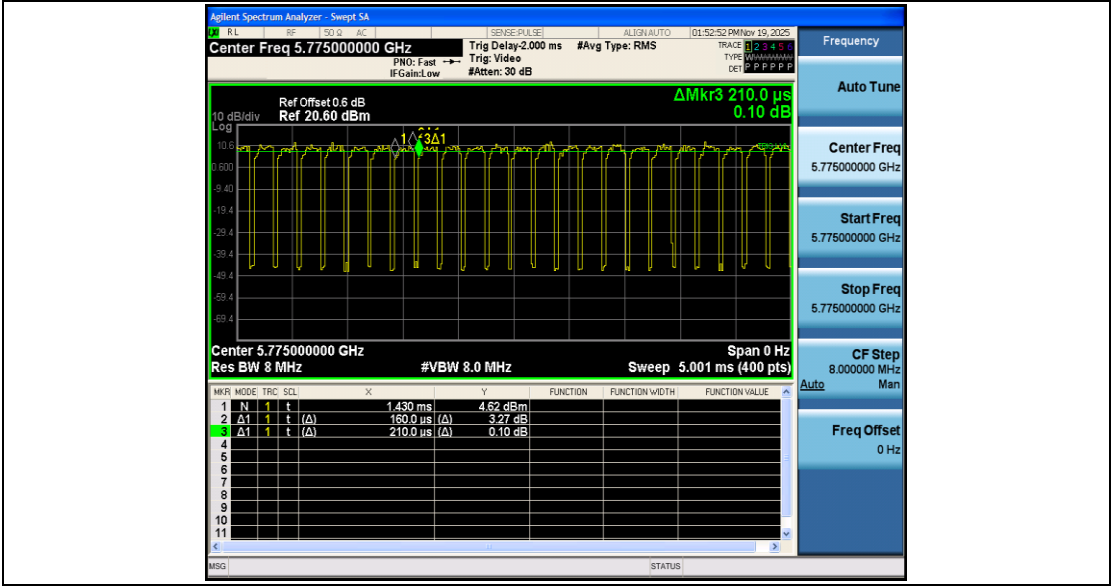
11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5210



11AC80SISO\_Ant1\_5775



## Appendix C: Maximum conducted output power

### Test Result Channel Power

| Test Mode   | Antenna | Freq(MHz) | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-------------|---------|-----------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11A         | Ant1    | 5180      | 11.84               | 73.68          | 1.33            | 13.17        | ≤23.98      | PASS    |
|             |         | 5220      | 11.66               | 75.00          | 1.25            | 12.91        | ≤23.98      | PASS    |
|             |         | 5240      | 11.50               | 73.68          | 1.33            | 12.83        | ≤23.98      | PASS    |
|             |         | 5745      | 11.15               | 73.68          | 1.33            | 12.48        | ≤30.00      | PASS    |
|             |         | 5785      | 10.75               | 73.68          | 1.33            | 12.08        | ≤30.00      | PASS    |
|             |         | 5825      | 10.59               | 73.68          | 1.33            | 11.92        | ≤30.00      | PASS    |
| 11N20SI SO  | Ant1    | 5180      | 12.08               | 77.27          | 1.12            | 13.20        | ≤23.98      | PASS    |
|             |         | 5220      | 11.76               | 78.26          | 1.06            | 12.82        | ≤23.98      | PASS    |
|             |         | 5240      | 11.60               | 78.26          | 1.06            | 12.66        | ≤23.98      | PASS    |
|             |         | 5745      | 11.38               | 78.26          | 1.06            | 12.44        | ≤30.00      | PASS    |
|             |         | 5785      | 10.98               | 78.26          | 1.06            | 12.04        | ≤30.00      | PASS    |
|             |         | 5825      | 10.71               | 78.26          | 1.06            | 11.77        | ≤30.00      | PASS    |
| 11N40SI SO  | Ant1    | 5190      | 12.10               | 78.26          | 1.06            | 13.16        | ≤23.98      | PASS    |
|             |         | 5230      | 11.79               | 78.26          | 1.06            | 12.85        | ≤23.98      | PASS    |
|             |         | 5755      | 11.41               | 78.26          | 1.06            | 12.47        | ≤30.00      | PASS    |
|             |         | 5795      | 11.00               | 78.26          | 1.06            | 12.06        | ≤30.00      | PASS    |
| 11AC20S ISO | Ant1    | 5180      | 12.04               | 76.19          | 1.18            | 13.22        | ≤23.98      | PASS    |
|             |         | 5220      | 11.61               | 76.19          | 1.18            | 12.79        | ≤23.98      | PASS    |
|             |         | 5240      | 11.59               | 76.19          | 1.18            | 12.77        | ≤23.98      | PASS    |
|             |         | 5745      | 11.27               | 76.19          | 1.18            | 12.45        | ≤30.00      | PASS    |
|             |         | 5785      | 10.80               | 76.19          | 1.18            | 11.98        | ≤30.00      | PASS    |
|             |         | 5825      | 10.64               | 76.19          | 1.18            | 11.82        | ≤30.00      | PASS    |
| 11AC40S ISO | Ant1    | 5190      | 11.89               | 75.00          | 1.25            | 13.14        | ≤23.98      | PASS    |
|             |         | 5230      | 11.65               | 75.00          | 1.25            | 12.90        | ≤23.98      | PASS    |
|             |         | 5755      | 11.24               | 75.00          | 1.25            | 12.49        | ≤30.00      | PASS    |
|             |         | 5795      | 10.85               | 76.19          | 1.18            | 12.03        | ≤30.00      | PASS    |
| 11AC80S ISO | Ant1    | 5210      | 12.18               | 77.27          | 1.12            | 13.30        | ≤23.98      | PASS    |
|             |         | 5775      | 11.44               | 76.19          | 1.18            | 12.62        | ≤30.00      | PASS    |

## Appendix D: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Freq(MHz) | Result<br>[dBm/1MHz]<br>For 5.2G   | RBW<br>Factor<br>(dB) | Duty<br>factor<br>(dB) | Result<br>[dBm/MHz]<br>For 5.2G    | Limit[dBm/MHz]<br>For 5.2G    | Verdict |
|------------|---------|-----------|------------------------------------|-----------------------|------------------------|------------------------------------|-------------------------------|---------|
|            |         |           | Result<br>[dBm/300KHz]<br>For 5.8G |                       |                        | Result<br>[dBm/500kHz]<br>For 5.8G | Limit[dBm/500kHz]<br>For 5.8G |         |
| 11A        | Ant1    | 5180      | 1.852                              | /                     | 1.33                   | 3.18                               | ≤11.00                        | PASS    |
|            |         | 5220      | 1.528                              | /                     | 1.25                   | 2.78                               | ≤11.00                        | PASS    |
|            |         | 5240      | 1.300                              | /                     | 1.33                   | 2.63                               | ≤11.00                        | PASS    |
|            |         | 5745      | -4.432                             | 2.22                  | 1.33                   | -0.88                              | ≤30.00                        | PASS    |
|            |         | 5785      | -4.384                             | 2.22                  | 1.33                   | -0.83                              | ≤30.00                        | PASS    |
|            |         | 5825      | -4.810                             | 2.22                  | 1.33                   | -1.26                              | ≤30.00                        | PASS    |
| 11N20SISO  | Ant1    | 5180      | 1.769                              | /                     | 1.12                   | 2.89                               | ≤11.00                        | PASS    |
|            |         | 5220      | 1.590                              | /                     | 1.06                   | 2.65                               | ≤11.00                        | PASS    |
|            |         | 5240      | 1.286                              | /                     | 1.06                   | 2.35                               | ≤11.00                        | PASS    |
|            |         | 5745      | -4.393                             | 2.22                  | 1.06                   | -1.11                              | ≤30.00                        | PASS    |
|            |         | 5785      | -4.586                             | 2.22                  | 1.06                   | -1.31                              | ≤30.00                        | PASS    |
|            |         | 5825      | -4.912                             | 2.22                  | 1.06                   | -1.63                              | ≤30.00                        | PASS    |
| 11N40SISO  | Ant1    | 5190      | -1.616                             | /                     | 1.06                   | -0.56                              | ≤11.00                        | PASS    |
|            |         | 5230      | -1.923                             | /                     | 1.06                   | -0.86                              | ≤11.00                        | PASS    |
|            |         | 5755      | -7.558                             | 2.22                  | 1.06                   | -4.28                              | ≤30.00                        | PASS    |
|            |         | 5795      | -8.188                             | 2.22                  | 1.06                   | -4.91                              | ≤30.00                        | PASS    |
| 11AC20SISO | Ant1    | 5180      | 1.767                              | /                     | 1.18                   | 2.95                               | ≤11.00                        | PASS    |

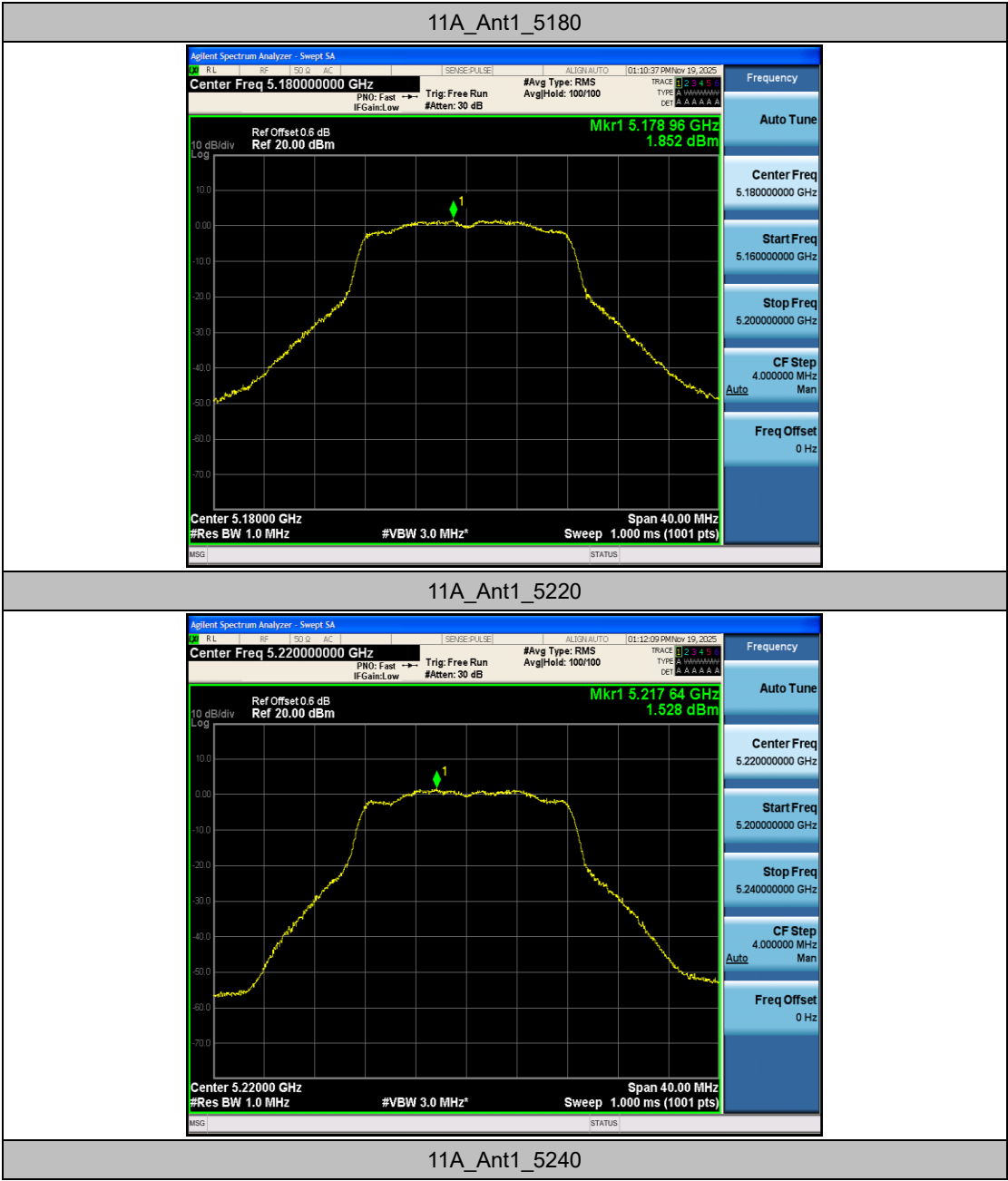
|            |      |      |        |      |      |       |        |      |
|------------|------|------|--------|------|------|-------|--------|------|
|            |      | 5220 | 1.423  | /    | 1.18 | 2.60  | ≤11.00 | PASS |
|            |      | 5240 | 1.466  | /    | 1.18 | 2.65  | ≤11.00 | PASS |
|            |      | 5745 | -4.101 | 2.22 | 1.18 | -0.70 | ≤30.00 | PASS |
|            |      | 5785 | -4.834 | 2.22 | 1.18 | -1.43 | ≤30.00 | PASS |
|            |      | 5825 | -5.001 | 2.22 | 1.18 | -1.60 | ≤30.00 | PASS |
| 11AC40SISO | Ant1 | 5190 | -1.725 | /    | 1.25 | -0.48 | ≤11.00 | PASS |
|            |      | 5230 | -1.848 | /    | 1.25 | -0.60 | ≤11.00 | PASS |
|            |      | 5755 | -7.137 | 2.22 | 1.25 | -3.67 | ≤30.00 | PASS |
|            |      | 5795 | -8.030 | 2.22 | 1.18 | -4.63 | ≤30.00 | PASS |
| 11AC80SISO | Ant1 | 5210 | -4.344 | /    | 1.12 | -3.22 | ≤11.00 | PASS |
|            |      | 5775 | -8.839 | 2.22 | 1.18 | -5.44 | ≤30.00 | PASS |

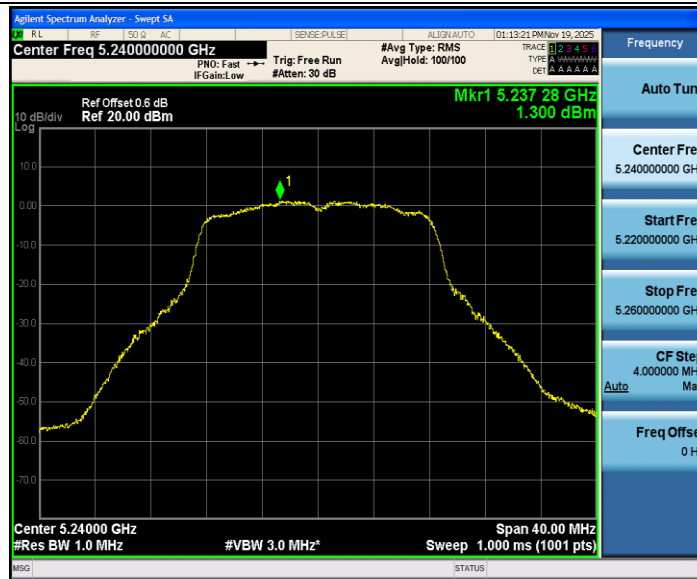
Note:1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

P.S.D(dBm/500KHz)= P.S.D(dBm/300KHz)+10 log (500 kHz/300KHz) +Duty factor.

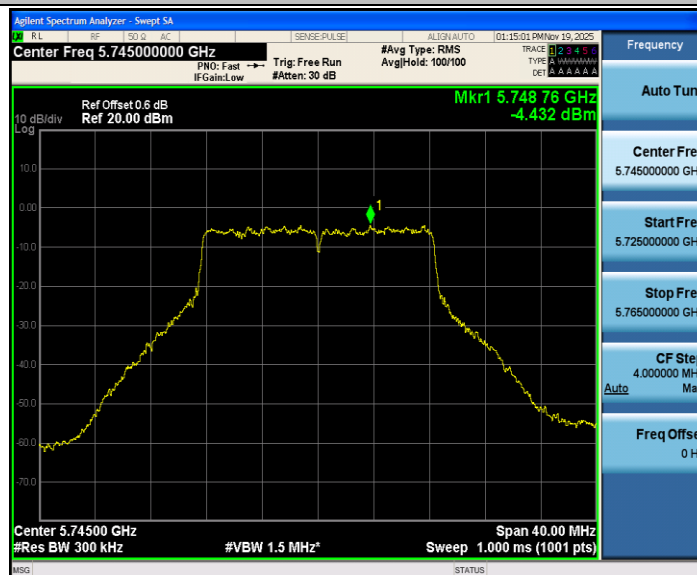
2. RBW factor= 10 log (500 KHz /300 KHz) = 2.22 dB

Test Graphs





11A\_Ant1\_5745



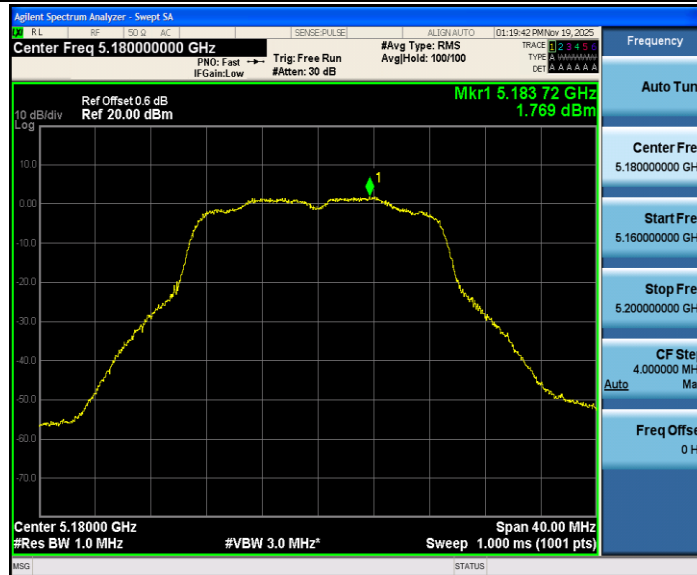
11A\_Ant1\_5785



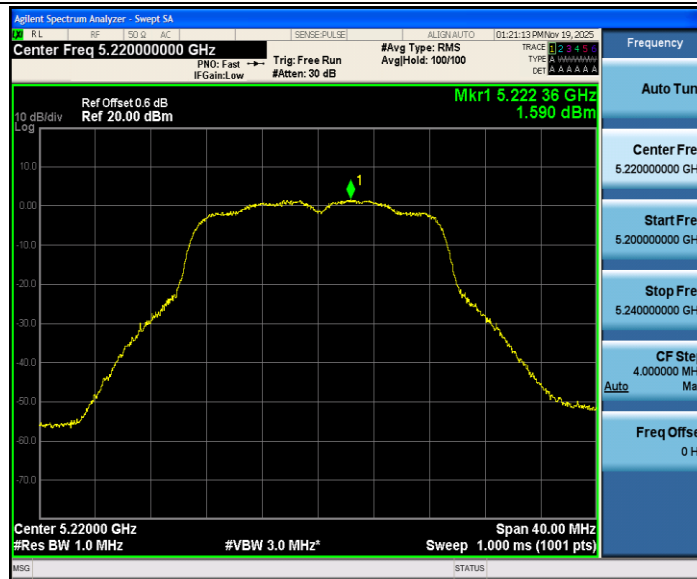
# 11A\_Ant1\_5825



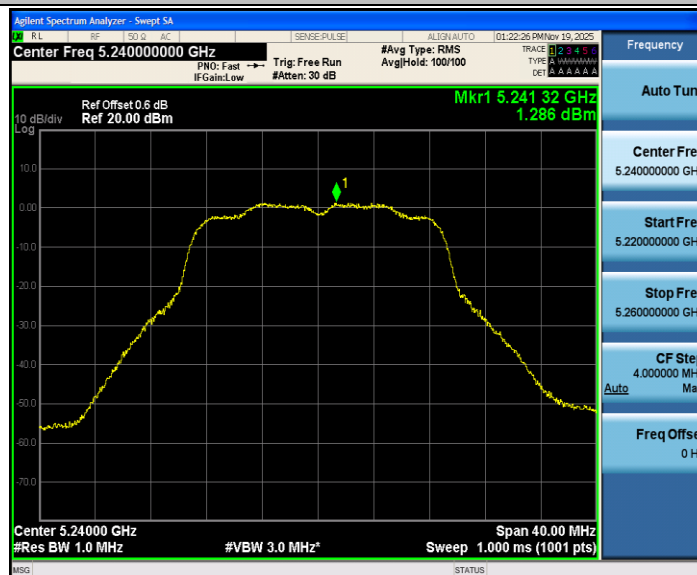
# 11N20SISO\_Ant1\_5180



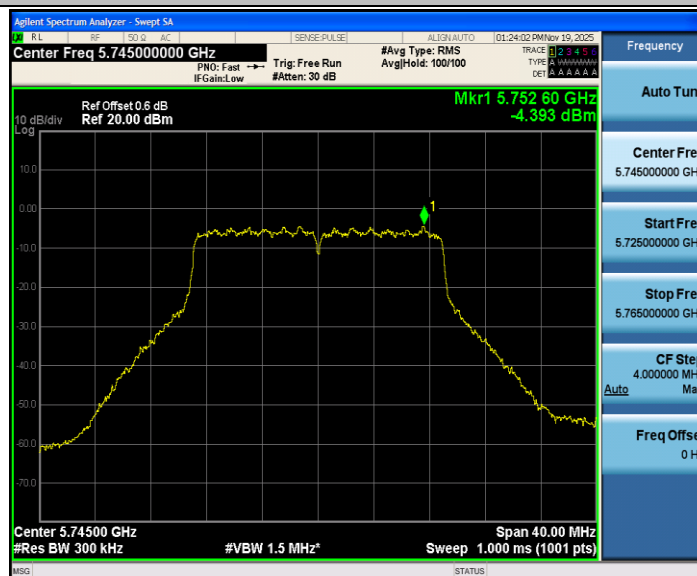
# 11N20SISO\_Ant1\_5220



11N20SISO\_Ant1\_5240



11N20SISO\_Ant1\_5745



# 11N20SISO\_Ant1\_5785



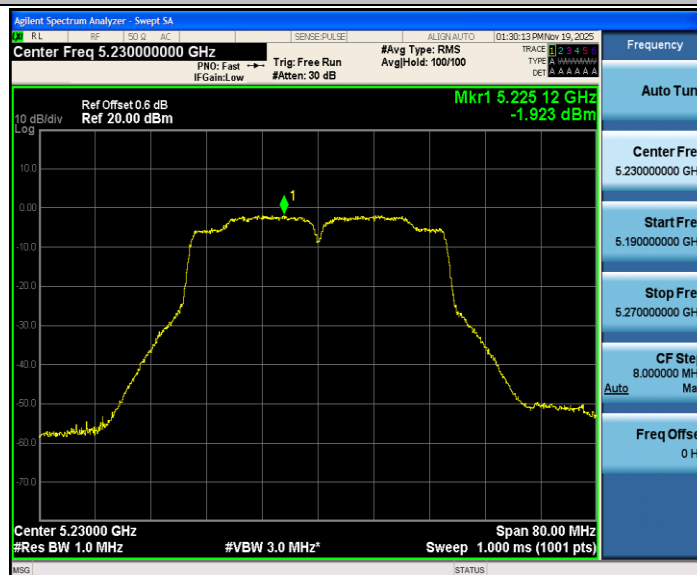
# 11N20SISO\_Ant1\_5825



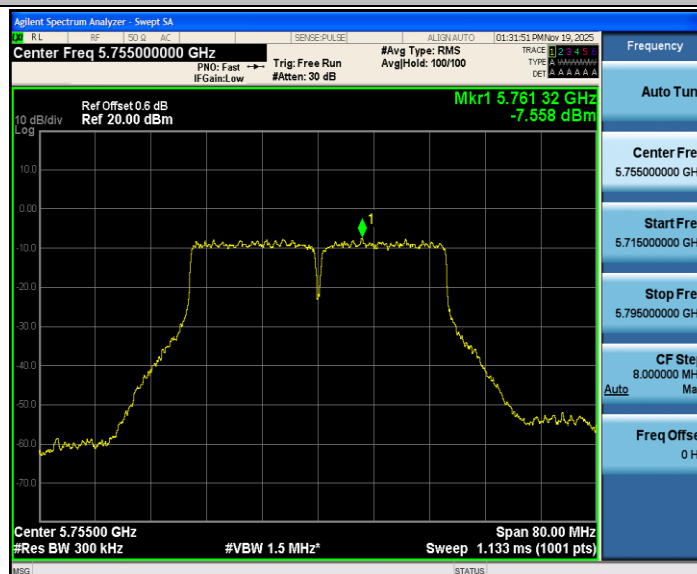
# 11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



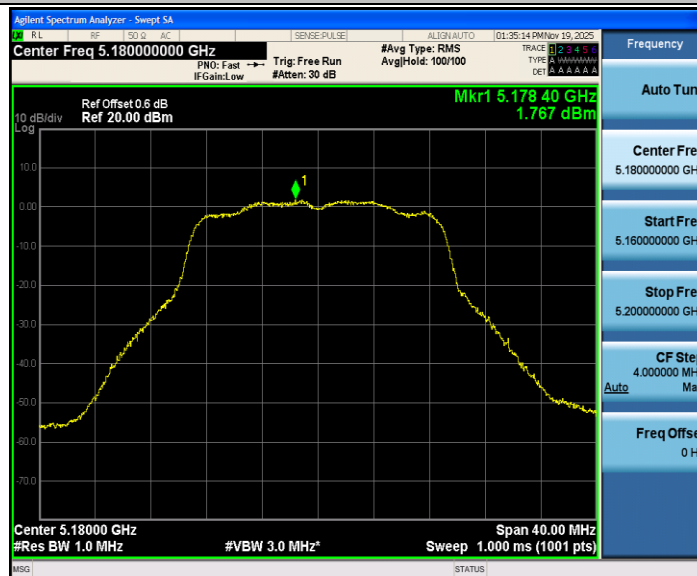
11N40SISO\_Ant1\_5755



# 11N40SISO\_Ant1\_5795



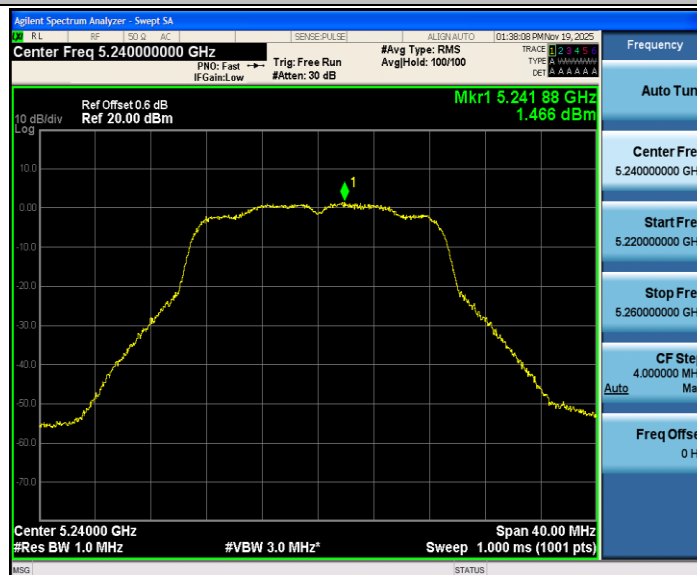
# 11AC20SISO\_Ant1\_5180



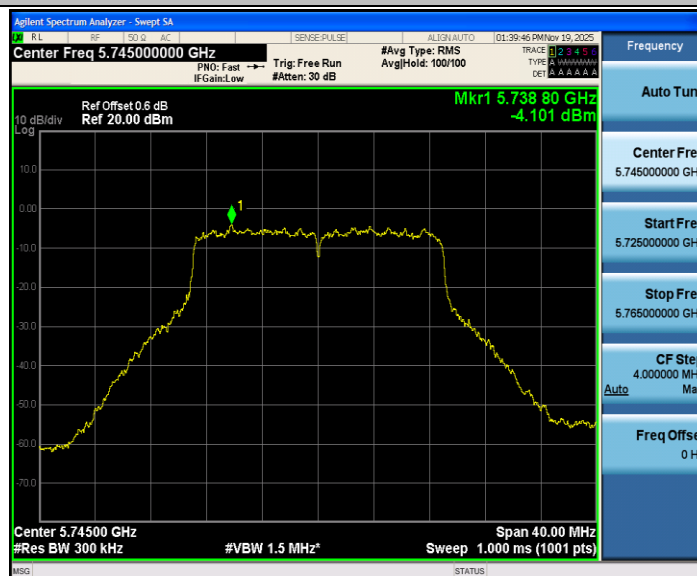
# 11AC20SISO\_Ant1\_5220



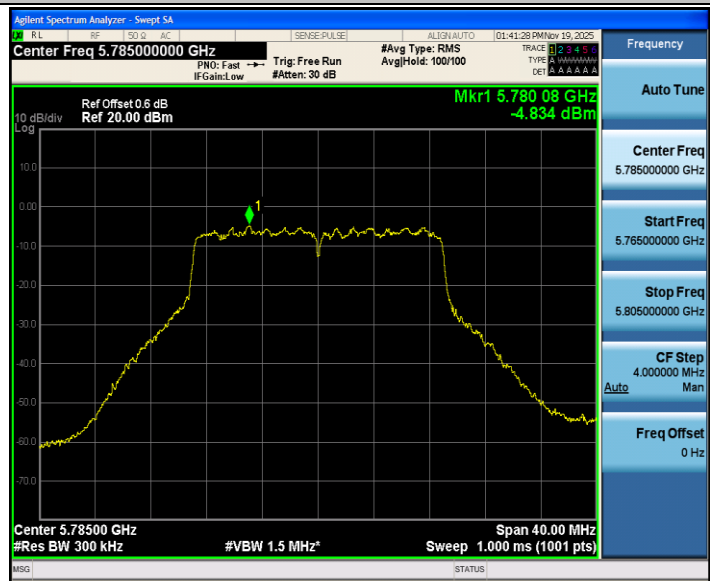
11AC20SISO\_Ant1\_5240



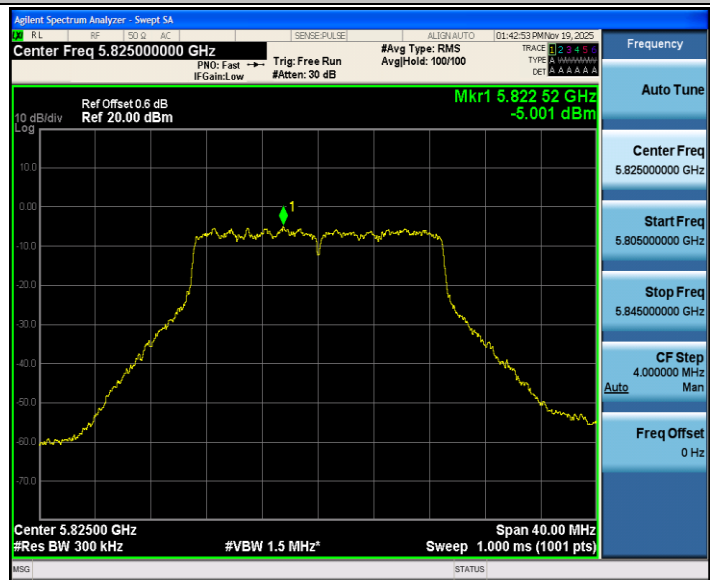
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



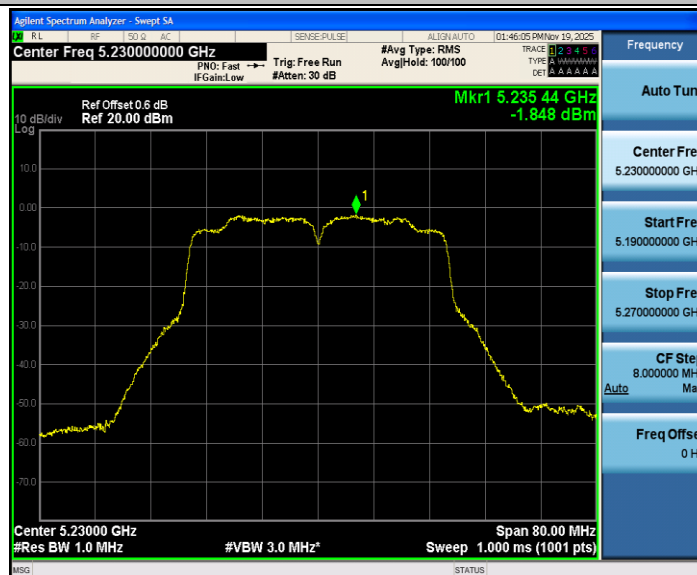
11AC20SISO\_Ant1\_5825



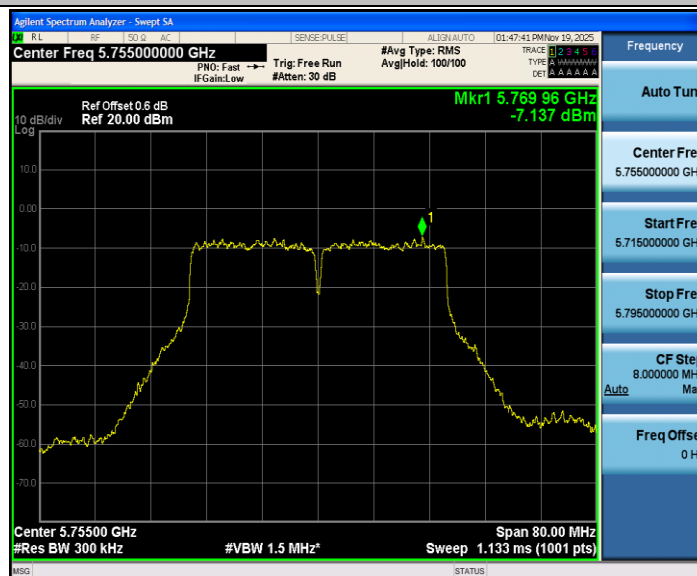
11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5210



11AC80SISO\_Ant1\_5775



## Appendix E: Band edge measurements

### Test Result B1

| TestMode   | Antenna | ChName | Freq(MHz) | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|-----------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5180      | -42.51      | ≤-27       | PASS    |
|            |         | High   | 5240      | -46.57      | ≤-27       | PASS    |
| 11N20SISO  | Ant1    | Low    | 5180      | -42.68      | ≤-27       | PASS    |
|            |         | High   | 5240      | -45.61      | ≤-27       | PASS    |
| 11N40SISO  | Ant1    | Low    | 5190      | -45.55      | ≤-27       | PASS    |
|            |         | High   | 5230      | -46.98      | ≤-27       | PASS    |
| 11AC20SISO | Ant1    | Low    | 5180      | -41.73      | ≤-27       | PASS    |
|            |         | High   | 5240      | -46.28      | ≤-27       | PASS    |
| 11AC40SISO | Ant1    | Low    | 5190      | -45.56      | ≤-27       | PASS    |
|            |         | High   | 5230      | -47.28      | ≤-27       | PASS    |
| 11AC80SISO | Ant1    | Low    | 5210      | -38.7       | ≤-27       | PASS    |
|            |         | High   | 5210      | -46.57      | ≤-27       | PASS    |

### Test Result B4

| TestMode  | Antenna | ChName | Freq(MHz) | FreqRange [MHz] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|-----------|-----------------|--------------|-------------|---------|
| 11A       | Ant1    | Low    | 5745      | 5650~5700       | -51.07       | ≤-26.79     | PASS    |
|           |         |        |           | 5700~5720       | -42.17       | ≤13.86      | PASS    |
|           |         |        |           | 5720~5725       | -44.52       | ≤15.82      | PASS    |
|           |         |        |           | 5760~5650       | -49.91       | ≤-27        | PASS    |
|           |         | High   | 5825      | 5850~5855       | -41.97       | ≤15.73      | PASS    |
|           |         |        |           | 5855~5875       | -45.4        | ≤10.10      | PASS    |
|           |         |        |           | 5875~5925       | -48.98       | ≤-26.61     | PASS    |
|           |         |        |           | 5925~5935       | -48.39       | ≤-27        | PASS    |
| 11N20SISO | Ant1    | Low    | 5745      | 5650~5700       | -48.98       | ≤-26.79     | PASS    |
|           |         |        |           | 5700~5720       | -41.78       | ≤14.15      | PASS    |
|           |         |        |           | 5720~5725       | -42.51       | ≤16.08      | PASS    |
|           |         |        |           | 5760~5650       | -48.41       | ≤-27        | PASS    |
|           |         | High   | 5825      | 5850~5855       | -42.28       | ≤16.03      | PASS    |
|           |         |        |           | 5855~5875       | -45.17       | ≤10.06      | PASS    |
|           |         |        |           | 5875~5925       | -48.81       | ≤-26.31     | PASS    |
|           |         |        |           | 5925~5935       | -48.59       | ≤-27        | PASS    |
| 11N40SISO | Ant1    | Low    | 5755      | 5650~5700       | -49.72       | ≤-26.50     | PASS    |
|           |         |        |           | 5700~5720       | -44.99       | ≤10.36      | PASS    |
|           |         |        |           | 5720~5725       | -40.08       | ≤16.04      | PASS    |
|           |         |        |           | 5780~5650       | -49.18       | ≤-27        | PASS    |
|           |         | High   | 5795      | 5850~5855       | -46.41       | ≤16.03      | PASS    |

|                |      |      |      |           |        |              |      |
|----------------|------|------|------|-----------|--------|--------------|------|
|                |      |      |      | 5855~5875 | -47.18 | $\leq 10.20$ | PASS |
|                |      |      |      | 5875~5925 | -49.5  | $\leq 26.46$ | PASS |
|                |      |      |      | 5925~5935 | -48.68 | $\leq 27$    | PASS |
| 11AC20S<br>ISO | Ant1 | Low  | 5745 | 5650~5700 | -49.69 | $\leq 26.62$ | PASS |
|                |      |      |      | 5700~5720 | -42.62 | $\leq 13.02$ | PASS |
|                |      |      |      | 5720~5725 | -44.45 | $\leq 15.82$ | PASS |
|                |      |      |      | 5760~5650 | -49.8  | $\leq 27$    | PASS |
|                |      | High | 5825 | 5850~5855 | -41.91 | $\leq 16.96$ | PASS |
|                |      |      |      | 5855~5875 | -43.94 | $\leq 10.21$ | PASS |
|                |      |      |      | 5875~5925 | -48.2  | $\leq 26.31$ | PASS |
|                |      |      |      | 5925~5935 | -48.99 | $\leq 27$    | PASS |
| 11AC40S<br>ISO | Ant1 | Low  | 5755 | 5650~5700 | -50.21 | $\leq 26.80$ | PASS |
|                |      |      |      | 5700~5720 | -39.62 | $\leq 15.58$ | PASS |
|                |      |      |      | 5720~5725 | -39.83 | $\leq 15.74$ | PASS |
|                |      |      |      | 5780~5650 | -49.53 | $\leq 27$    | PASS |
|                |      | High | 5795 | 5850~5855 | -45.36 | $\leq 17.91$ | PASS |
|                |      |      |      | 5855~5875 | -48.23 | $\leq 10.16$ | PASS |
|                |      |      |      | 5875~5925 | -49.31 | $\leq 26.95$ | PASS |
|                |      |      |      | 5925~5935 | -49.25 | $\leq 27$    | PASS |
| 11AC80S<br>ISO | Ant1 | Low  | 5775 | 5650~5700 | -47.11 | $\leq 26.91$ | PASS |
|                |      |      |      | 5700~5720 | -36.47 | $\leq 15.35$ | PASS |
|                |      |      |      | 5720~5725 | -36.67 | $\leq 15.65$ | PASS |
|                |      |      |      | 5800~5650 | -45.96 | $\leq 27$    | PASS |
|                |      | High | 5775 | 5850~5855 | -38.54 | $\leq 16.68$ | PASS |
|                |      |      |      | 5855~5875 | -39.74 | $\leq 11.49$ | PASS |
|                |      |      |      | 5875~5925 | -47.44 | $\leq 25.91$ | PASS |
|                |      |      |      | 5925~5935 | -47.51 | $\leq 27$    | PASS |

Test Graphs B1

