

|  |
|--|
| <b>Case No. :</b> <u>GTS20230628010-1-4</u>                                |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>49</u> %RH, Atmos100.1Kpa,      |
| <b>Test Date:</b> <u>2023.7.12</u> <b>Test Engineer:</b> <u>Jenny zeng</u> |

## Appendix E.1: Occupied channel bandwidth

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 17.159    | 5736.371 | 5753.530 | ---        | ---     |
|            |         | 5785           | 17.197    | 5776.427 | 5793.624 | ---        | ---     |
|            |         | 5825           | 17.253    | 5816.362 | 5833.615 | ---        | ---     |
| 11N20SISO  | Ant1    | 5745           | 18.396    | 5735.757 | 5754.153 | ---        | ---     |
|            |         | 5785           | 18.278    | 5775.858 | 5794.136 | ---        | ---     |
|            |         | 5825           | 18.351    | 5815.841 | 5834.192 | ---        | ---     |
| 11N40SISO  | Ant1    | 5755           | 36.707    | 5736.672 | 5773.379 | ---        | ---     |
|            |         | 5795           | 36.459    | 5776.772 | 5813.231 | ---        | ---     |
| 11AC20SISO | Ant1    | 5745           | 18.363    | 5735.775 | 5754.138 | ---        | ---     |
|            |         | 5785           | 18.265    | 5775.854 | 5794.119 | ---        | ---     |
|            |         | 5825           | 18.321    | 5815.835 | 5834.156 | ---        | ---     |
| 11AC40SISO | Ant1    | 5755           | 36.594    | 5736.682 | 5773.276 | ---        | ---     |
|            |         | 5795           | 36.408    | 5776.805 | 5813.213 | ---        | ---     |
| 11AC80SISO | Ant1    | 5775           | 76.158    | 5737.035 | 5813.193 | ---        | ---     |

## Test Graphs



11A\_Ant1\_5745



11A\_Ant1\_5785



11A\_Ant1\_5825



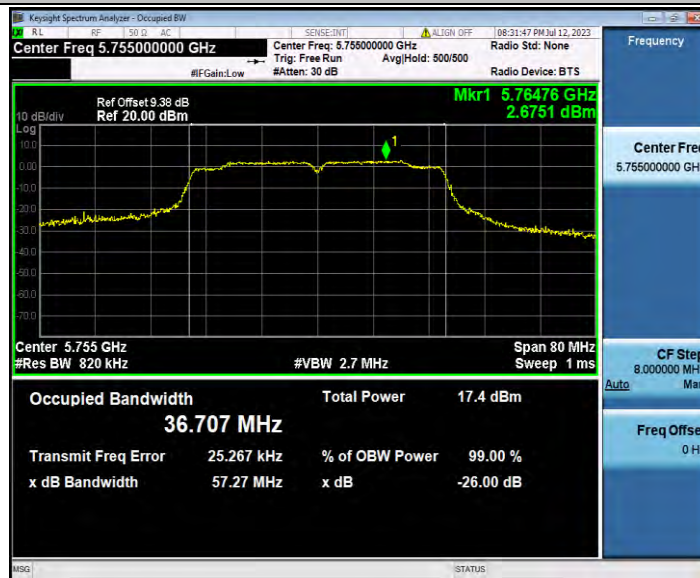
11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



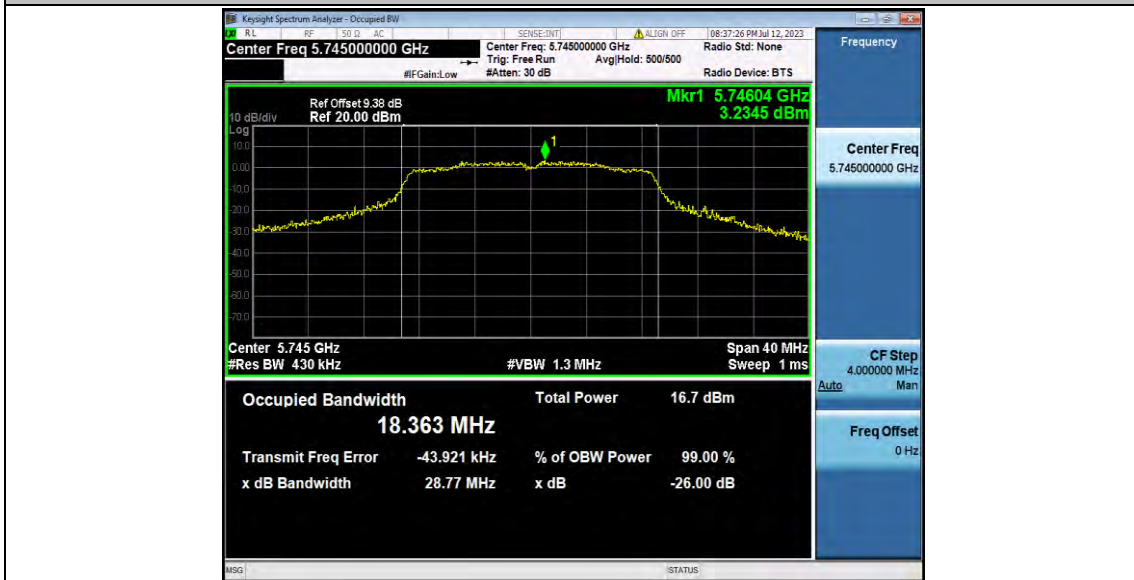
11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



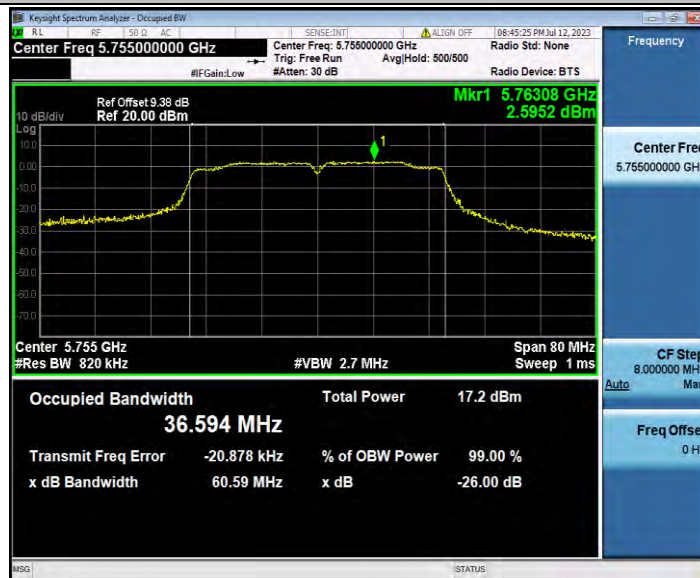
11A20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



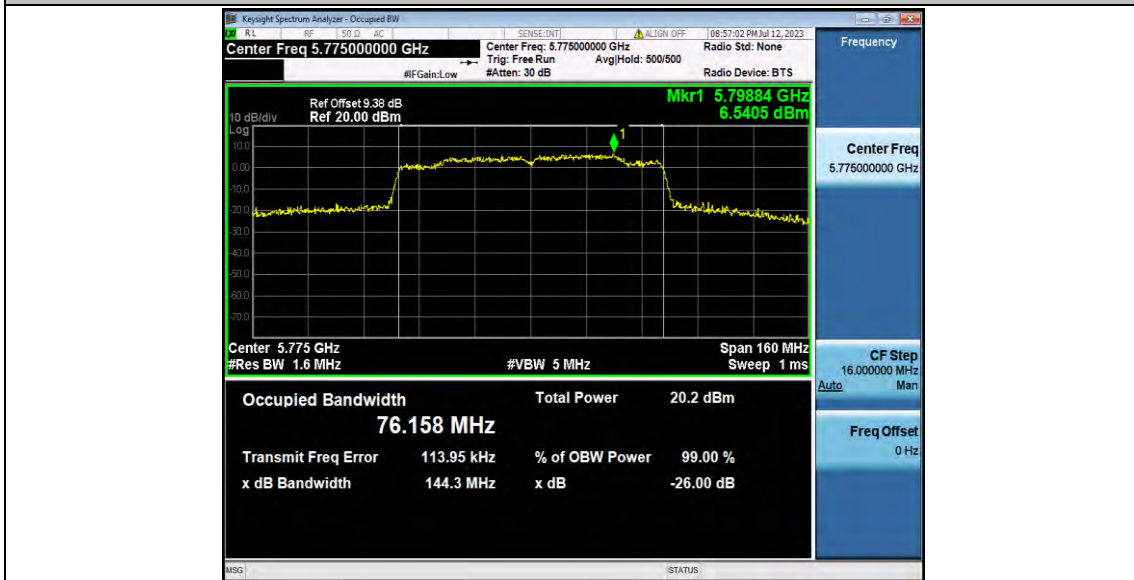
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

## Appendix E.2: Min emission bandwidth

### Test Result B4

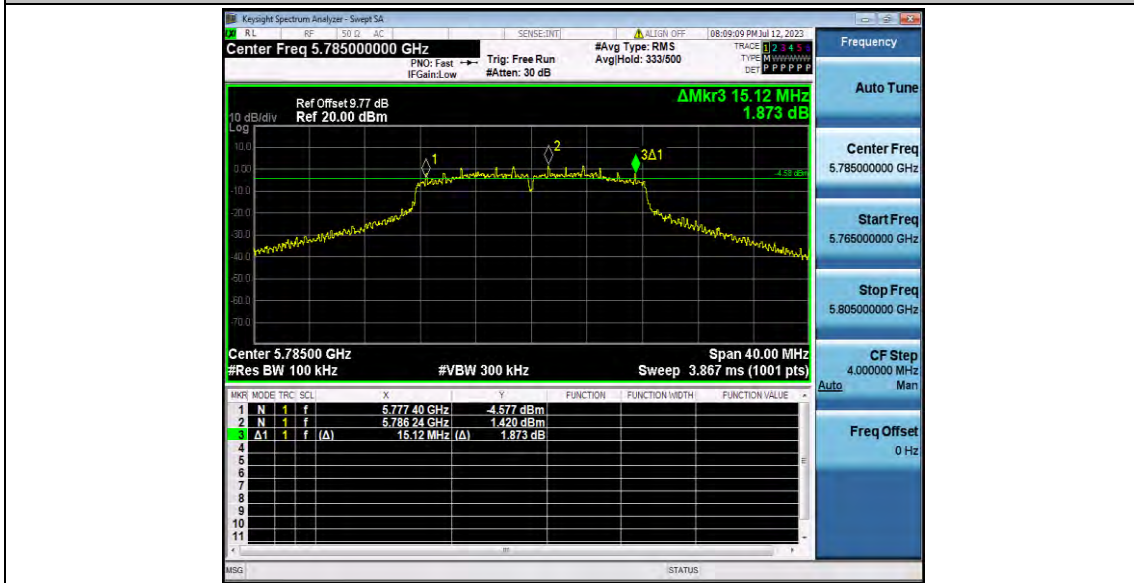
| Test Mode  | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|---------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 15.040        | 5737.400 | 5752.440 | 0.5        | PASS    |
|            |         | 5785           | 15.120        | 5777.400 | 5792.520 | 0.5        | PASS    |
|            |         | 5825           | 15.040        | 5817.480 | 5832.520 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 15.160        | 5737.400 | 5752.560 | 0.5        | PASS    |
|            |         | 5785           | 13.840        | 5778.680 | 5792.520 | 0.5        | PASS    |
|            |         | 5825           | 15.080        | 5817.480 | 5832.560 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 33.840        | 5738.680 | 5772.520 | 0.5        | PASS    |
|            |         | 5795           | 33.840        | 5778.680 | 5812.520 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 13.400        | 5737.440 | 5750.840 | 0.5        | PASS    |
|            |         | 5785           | 15.120        | 5777.440 | 5792.560 | 0.5        | PASS    |
|            |         | 5825           | 14.960        | 5817.480 | 5832.440 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 35.040        | 5737.480 | 5772.520 | 0.5        | PASS    |
|            |         | 5795           | 35.040        | 5777.480 | 5812.520 | 0.5        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 75.200        | 5737.400 | 5812.600 | 0.5        | PASS    |



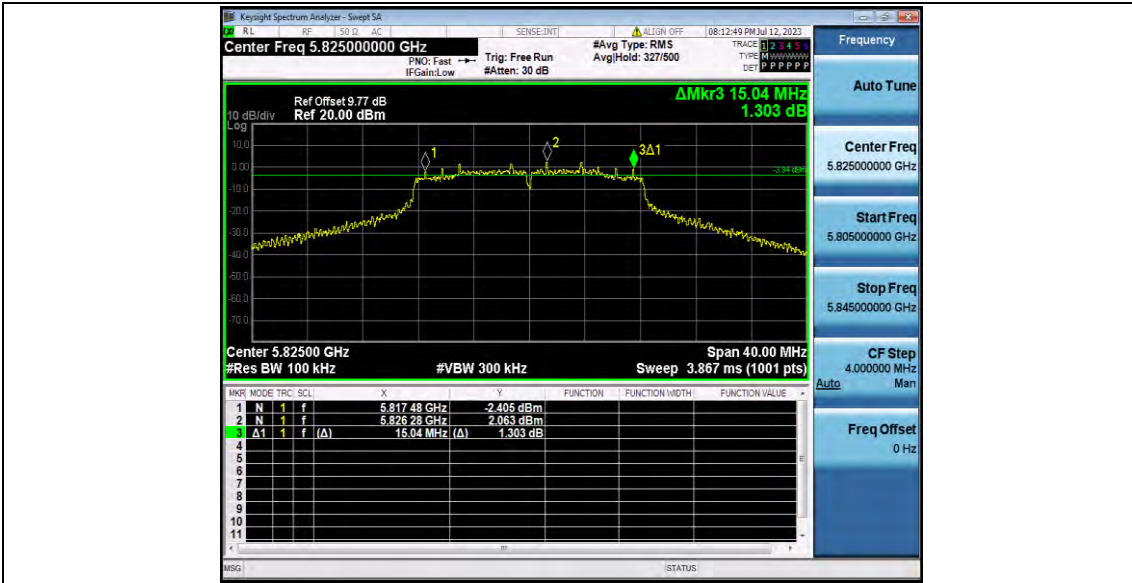
### Test Graphs B4



11A\_Ant1\_5745



11A\_Ant1\_5785



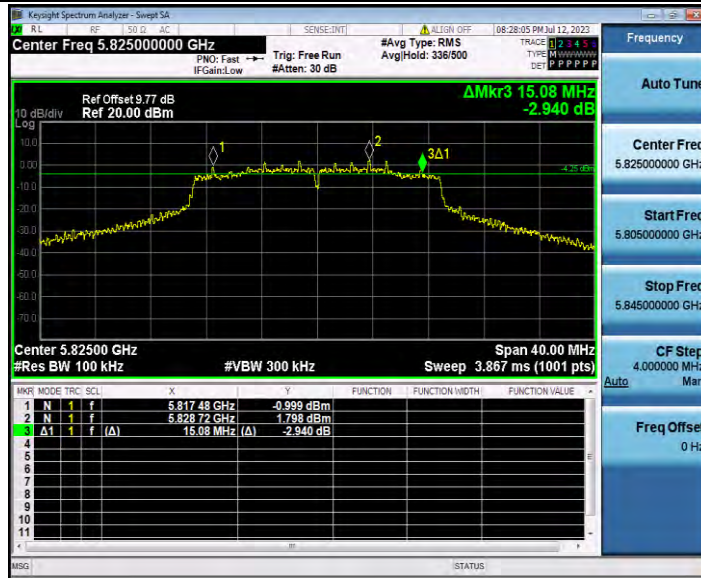
11A\_Ant1\_5825



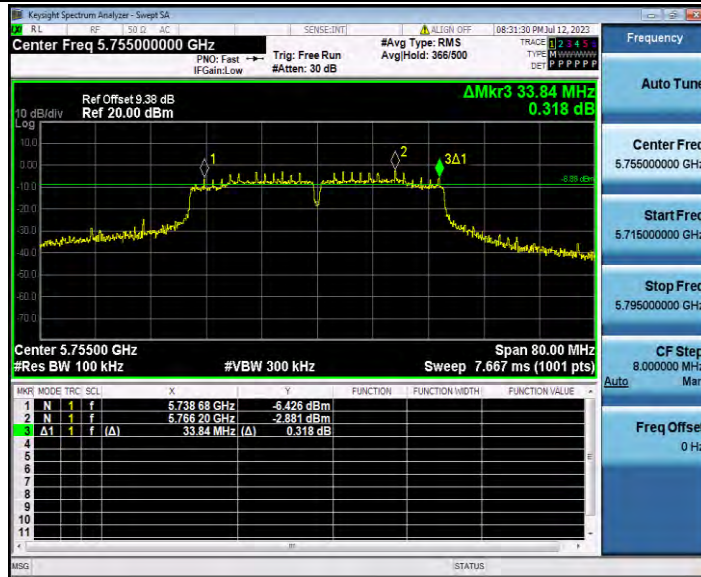
11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



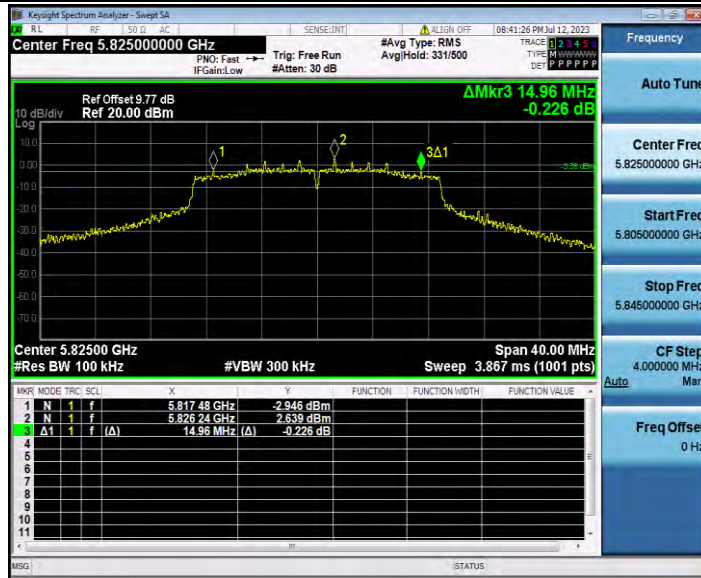
11N40SISO\_Ant1\_5795



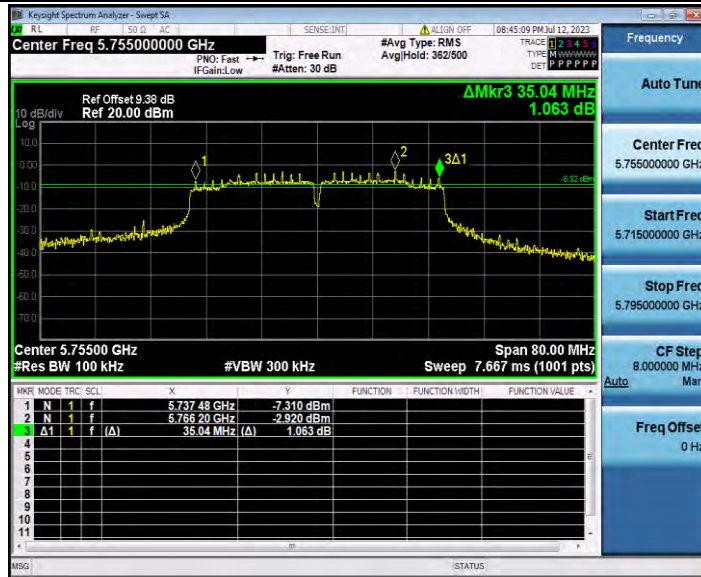
11A20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



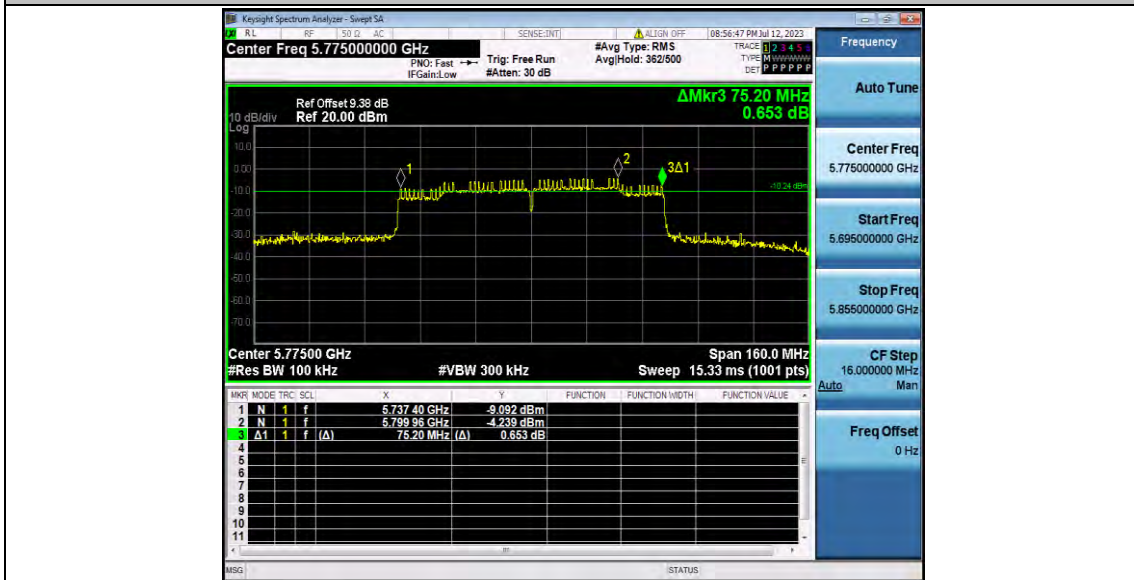
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



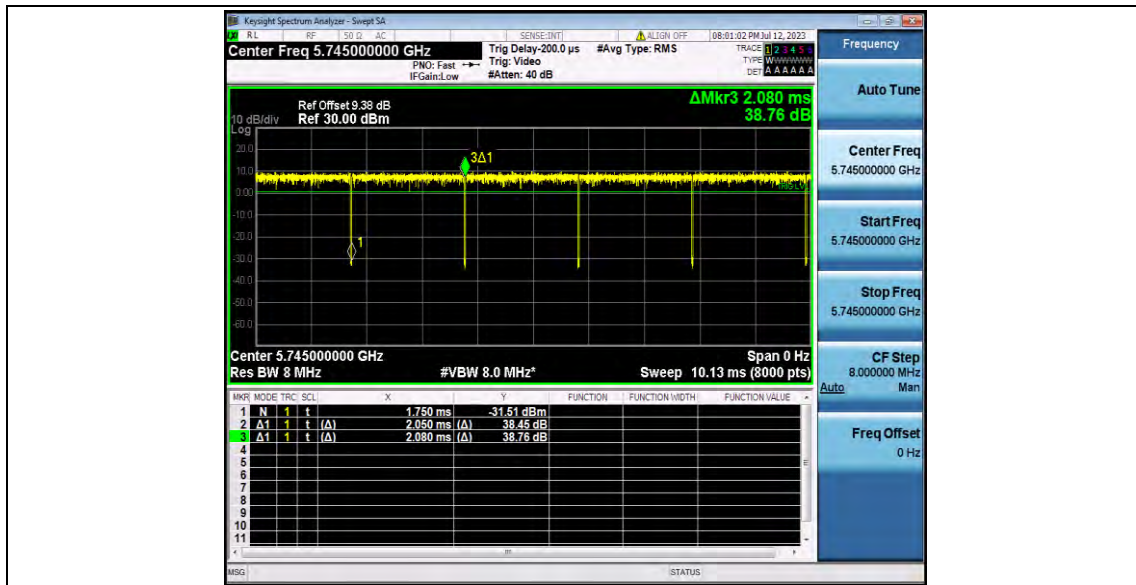
11AC80SISO\_Ant1\_5775

## Appendix E.3: Duty Cycle

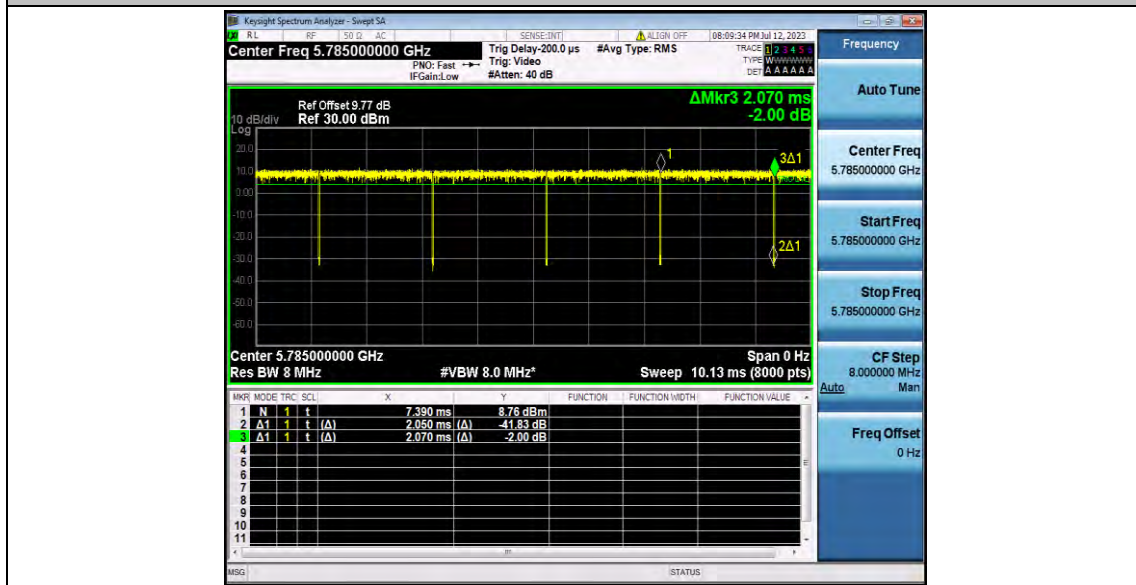
### Test Result

| Test Mode  | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5745           | 2.05                       | 2.08                     | 98.56          |
|            |         | 5785           | 2.05                       | 2.07                     | 99.03          |
|            |         | 5825           | 2.05                       | 2.07                     | 99.03          |
| 11N20SISO  | Ant1    | 5745           | 1.91                       | 1.99                     | 95.98          |
|            |         | 5785           | 1.90                       | 1.99                     | 95.48          |
|            |         | 5825           | 1.91                       | 2.00                     | 95.50          |
| 11N40SISO  | Ant1    | 5755           | 0.94                       | 1.11                     | 84.68          |
|            |         | 5795           | 0.94                       | 1.11                     | 84.68          |
| 11AC20SISO | Ant1    | 5745           | 1.92                       | 2.00                     | 96.00          |
|            |         | 5785           | 1.92                       | 2.00                     | 96.00          |
|            |         | 5825           | 1.91                       | 2.00                     | 95.50          |
| 11AC40SISO | Ant1    | 5755           | 0.94                       | 1.11                     | 84.68          |
|            |         | 5795           | 0.95                       | 1.12                     | 84.82          |
| 11AC80SISO | Ant1    | 5775           | 0.46                       | 0.55                     | 83.64          |

## Test Graphs

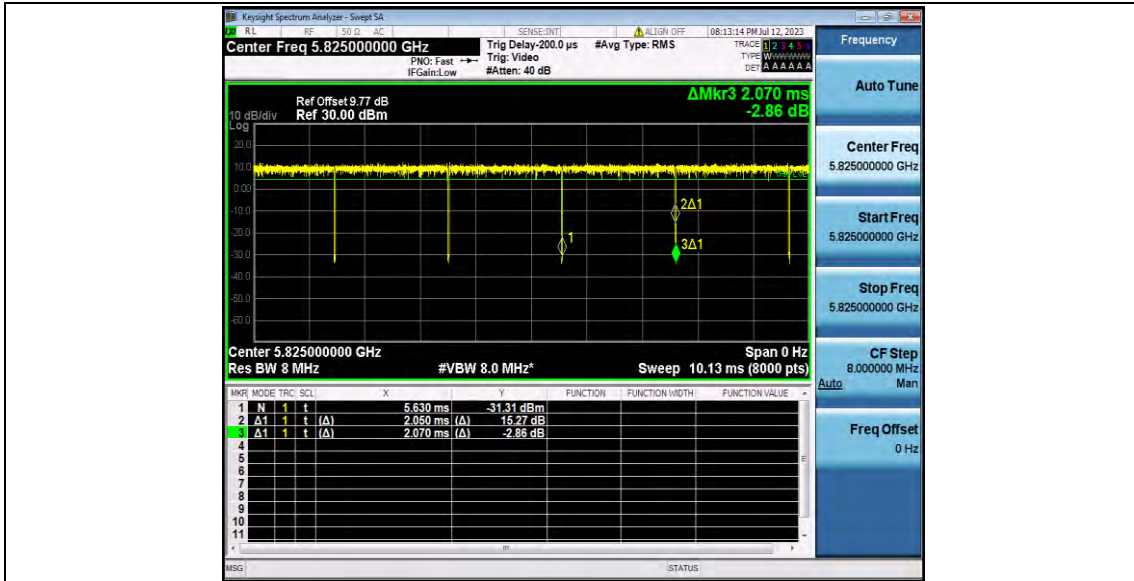


11A\_Ant1\_5745

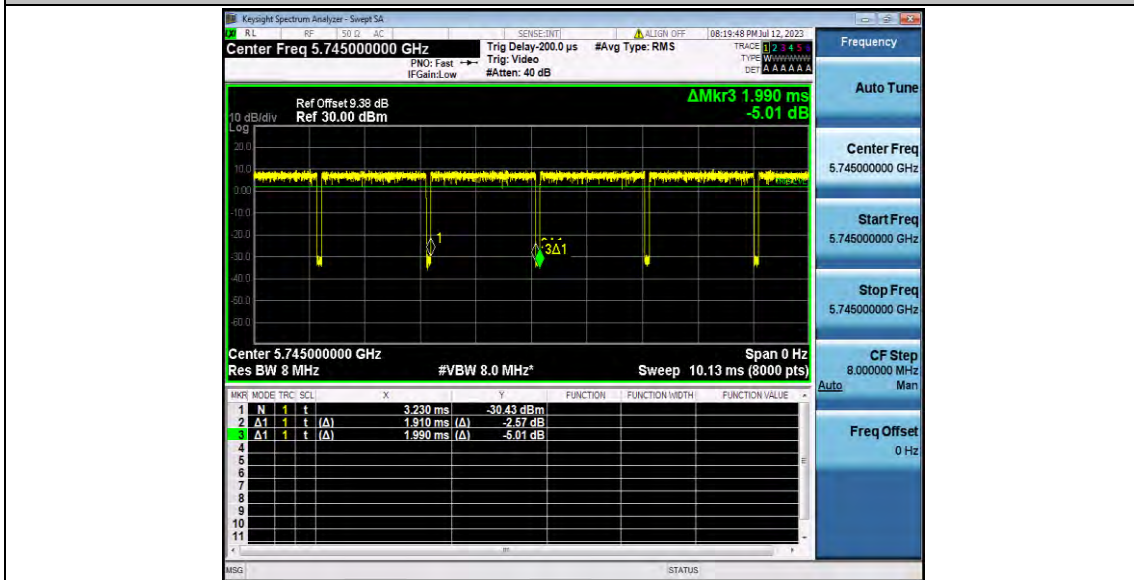


11A\_Ant1\_5785

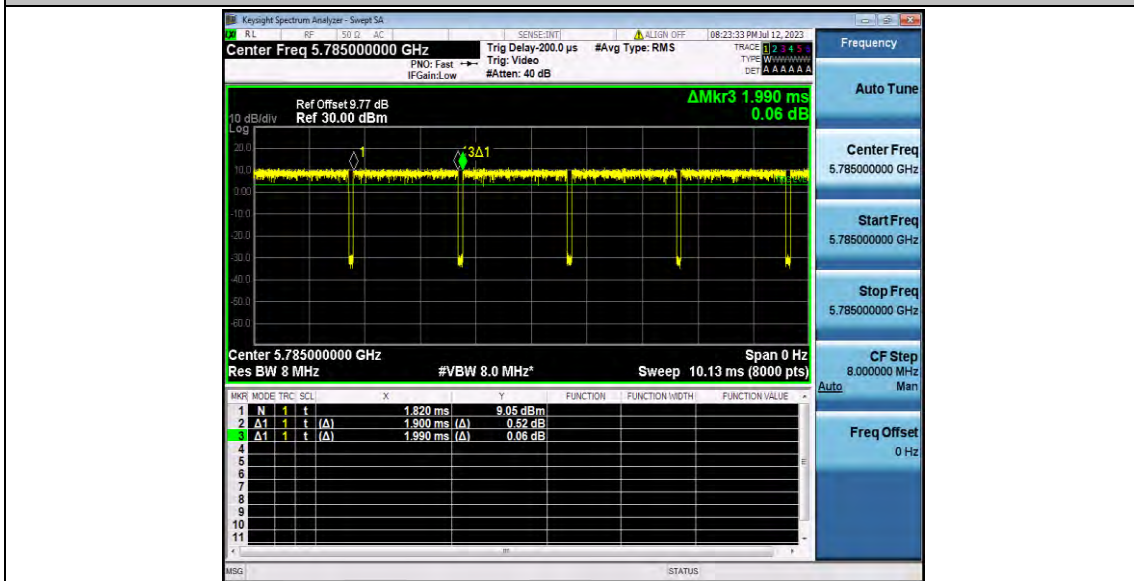




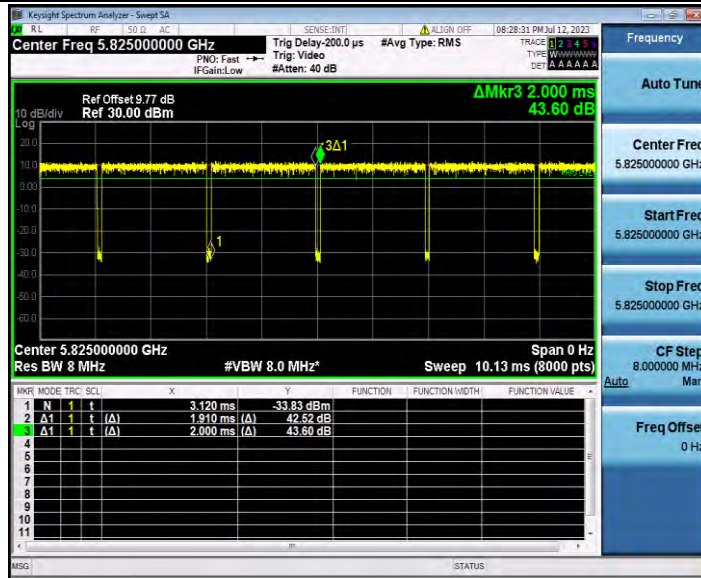
11A\_Ant1\_5825



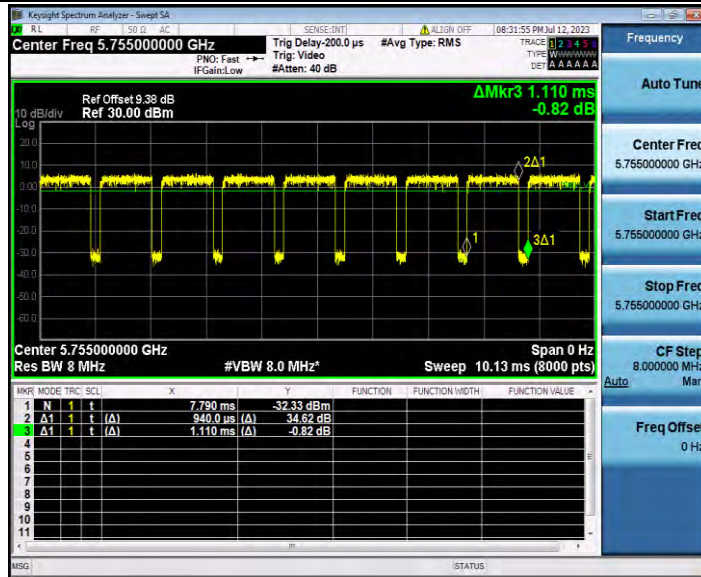
11N20SISO\_Ant1\_5745



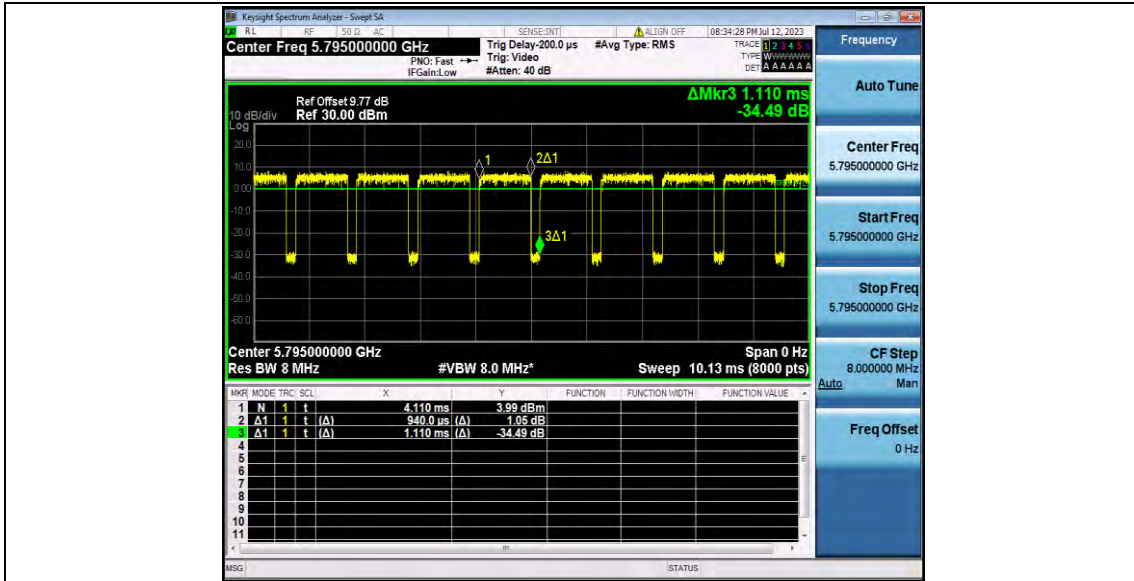
11N20SISO\_Ant1\_5785



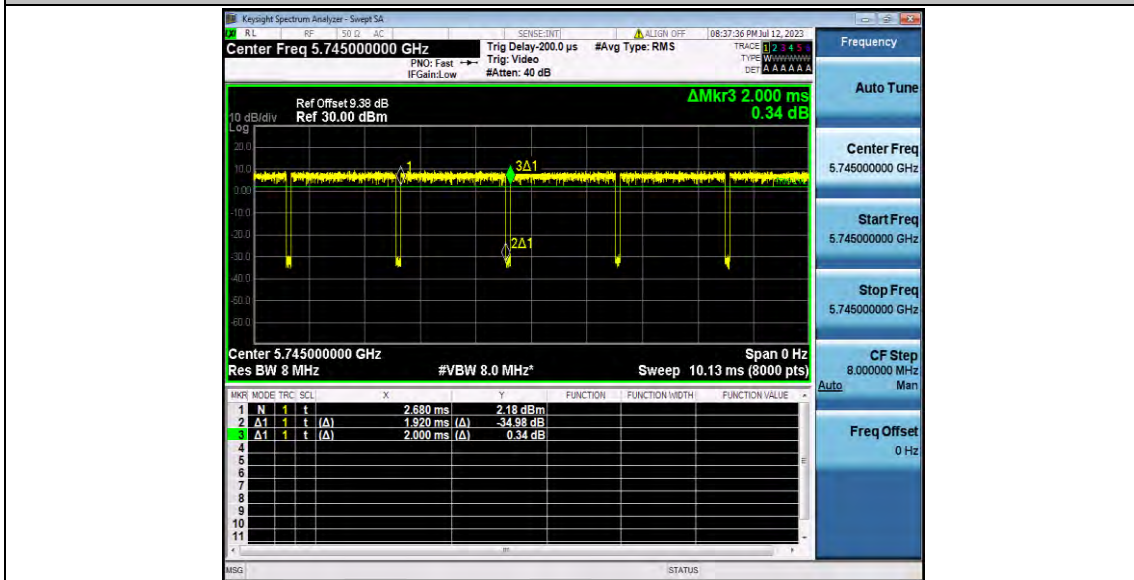
11N20SISO\_Ant1\_5825



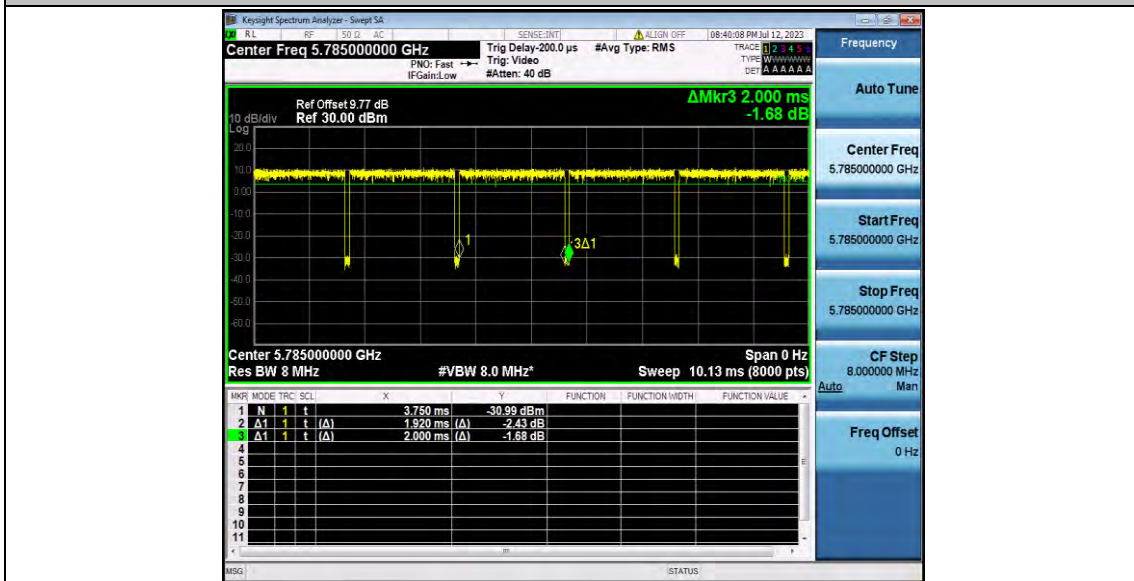
11N40SISO\_Ant1\_5755



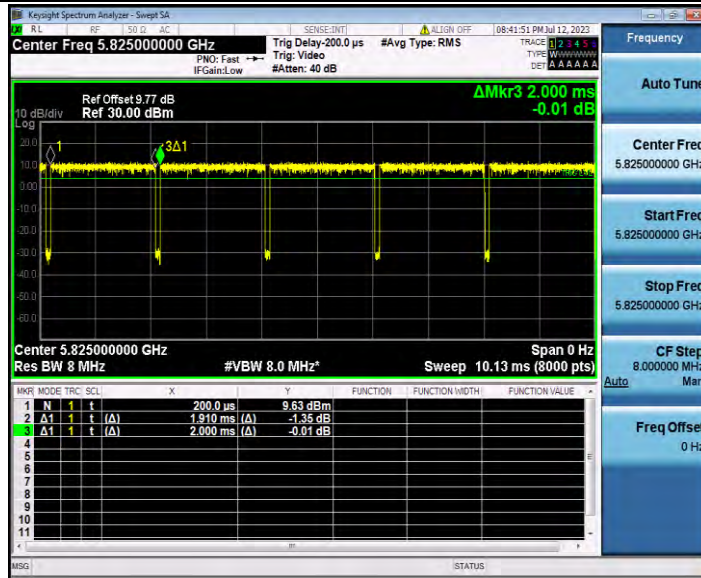
11N40SISO\_Ant1\_5795



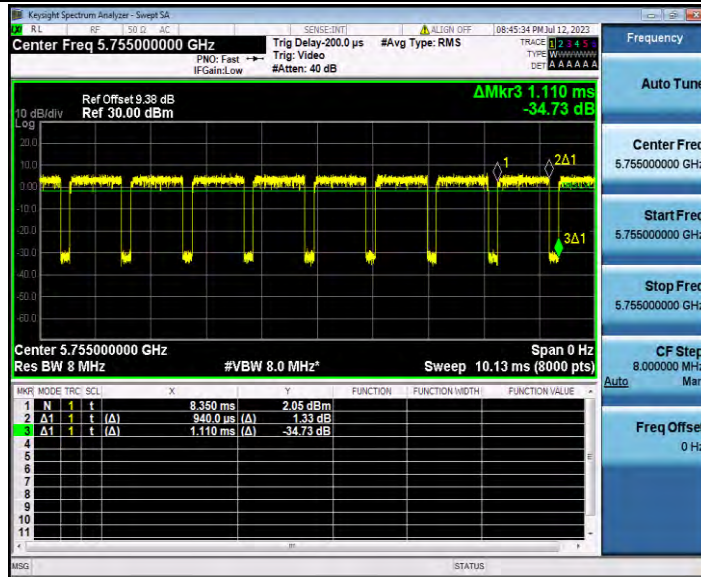
11AC20SISO\_Ant1\_5745



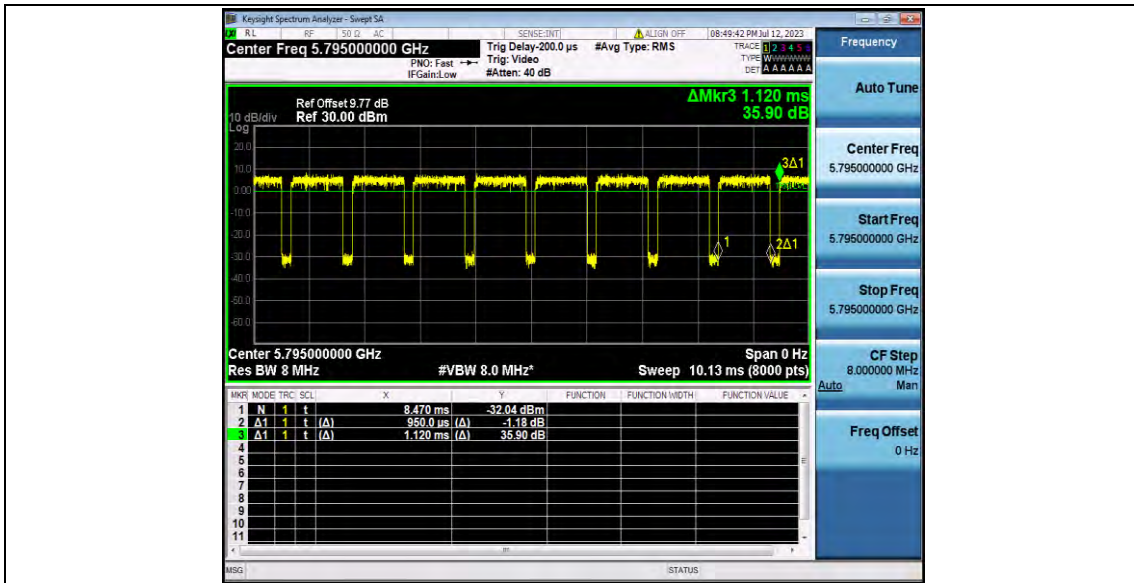
11AC20SISO\_Ant1\_5785



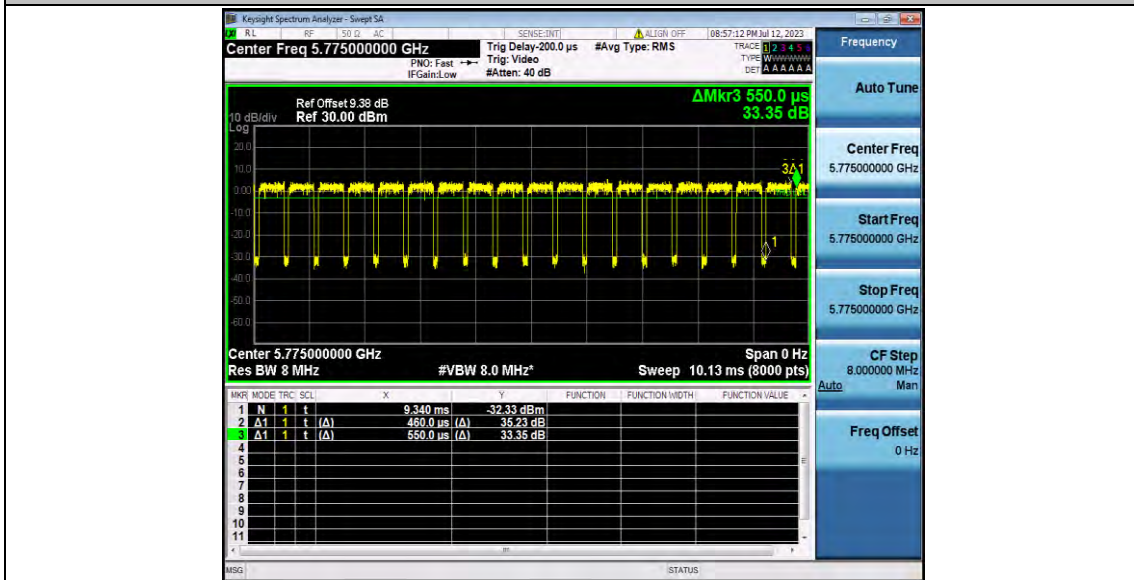
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

## Appendix E.4: Maximum conducted output power

### Test Result Channel Power

| Test Mode  | Antenna | Frequency[MHz] | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11A        | Ant1    | 5745           | 9.53                | 98.56          | 0.06            | 9.59         | ≤30.00      | PASS    |
|            |         | 5785           | 11.44               | 99.03          | 0.04            | 11.48        | ≤30.00      | PASS    |
|            |         | 5825           | 12.05               | 99.03          | 0.04            | 12.09        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 5745           | 9.63                | 95.98          | 0.18            | 9.81         | ≤30.00      | PASS    |
|            |         | 5785           | 11.14               | 95.48          | 0.20            | 11.34        | ≤30.00      | PASS    |
|            |         | 5825           | 12.05               | 95.50          | 0.20            | 12.25        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 5755           | 9.30                | 84.68          | 0.72            | 10.02        | ≤30.00      | PASS    |
|            |         | 5795           | 10.78               | 84.68          | 0.72            | 11.50        | ≤30.00      | PASS    |
| 11AC20SISO | Ant1    | 5745           | 9.57                | 96.00          | 0.18            | 9.75         | ≤30.00      | PASS    |
|            |         | 5785           | 11.19               | 96.00          | 0.18            | 11.37        | ≤30.00      | PASS    |
|            |         | 5825           | 11.88               | 95.50          | 0.20            | 12.08        | ≤30.00      | PASS    |
| 11AC40SISO | Ant1    | 5755           | 9.02                | 84.68          | 0.72            | 9.74         | ≤30.00      | PASS    |
|            |         | 5795           | 10.62               | 84.82          | 0.72            | 11.34        | ≤30.00      | PASS    |
| 11AC80SISO | Ant1    | 5775           | 10.86               | 83.64          | 0.78            | 11.64        | ≤30.00      | PASS    |

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

## Appendix E.5: Maximum power spectral density

### Test Result

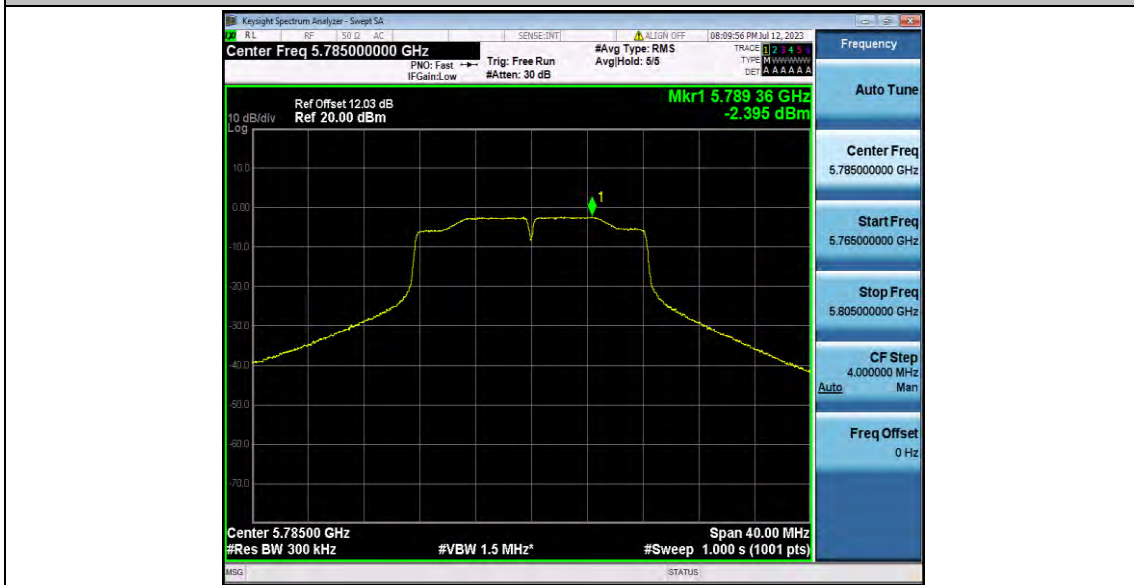
| Test Mode  | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5745           | -3.93            | ≤30.00         | PASS    |
|            |         | 5785           | -2.4             | ≤30.00         | PASS    |
|            |         | 5825           | -1.75            | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5745           | -3.89            | ≤30.00         | PASS    |
|            |         | 5785           | -2.34            | ≤30.00         | PASS    |
|            |         | 5825           | -1.35            | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5755           | -6.53            | ≤30.00         | PASS    |
|            |         | 5795           | -4.98            | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5745           | -4.21            | ≤30.00         | PASS    |
|            |         | 5785           | -2.54            | ≤30.00         | PASS    |
|            |         | 5825           | -1.74            | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5755           | -6.73            | ≤30.00         | PASS    |
|            |         | 5795           | -5.14            | ≤30.00         | PASS    |
| 11AC80SISO | Ant1    | 5775           | -7.74            | ≤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.

## Test Graphs



11A\_Ant1\_5745



11A\_Ant1\_5785





11A\_Ant1\_5825



11N20SISO\_Ant1\_5745



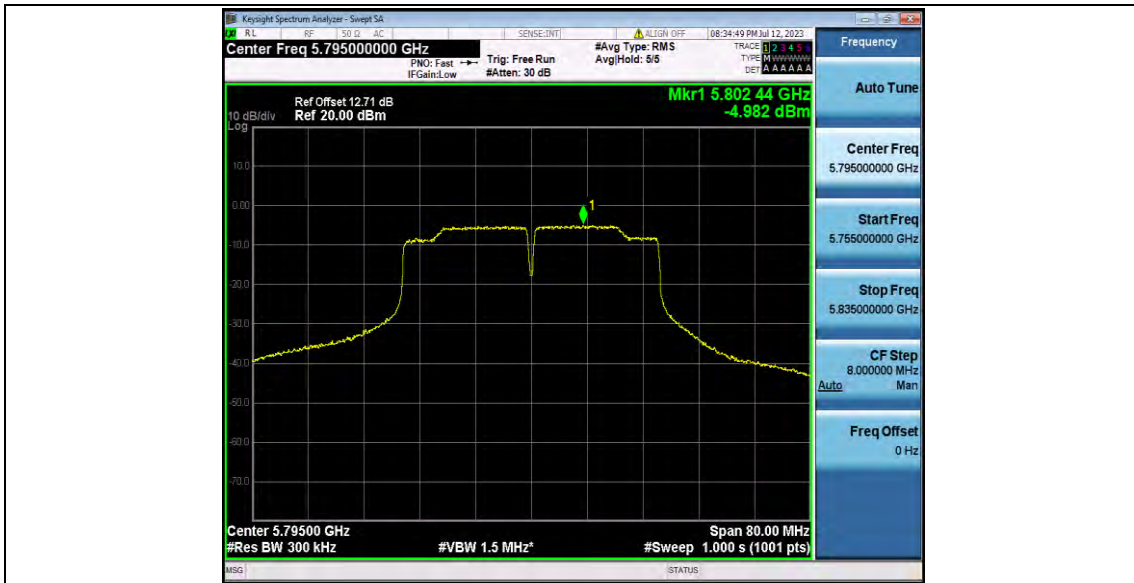
11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

## Appendix E.6: Band edge measurements

### Test Result B4

| TestMode       | Antenna | ChName | Frequency[M Hz] | FreqRange [MHz] | Result [dBm] | Limit [dBm] | Verdict |
|----------------|---------|--------|-----------------|-----------------|--------------|-------------|---------|
| 11A            | Ant1    | Low    | 5745            | 5650~5700       | -38.01       | ≤8.11       | PASS    |
|                |         |        |                 | 5700~5720       | -30.28       | ≤15.08      | PASS    |
|                |         |        |                 | 5720~5725       | -26.79       | ≤23.16      | PASS    |
|                |         |        |                 | 5760~5650       | -40.3        | ≤-27        | PASS    |
|                |         | High   | 5825            | 5850~5855       | -31.35       | ≤17.03      | PASS    |
|                |         |        |                 | 5855~5875       | -35.04       | ≤10.44      | PASS    |
|                |         |        |                 | 5875~5925       | -37.57       | ≤-23.16     | PASS    |
| 5925~5935      | -38.9   | ≤-27   | PASS            |                 |              |             |         |
| 11N20SIS<br>O  | Ant1    | Low    | 5745            | 5650~5700       | -35.89       | ≤9.72       | PASS    |
|                |         |        |                 | 5700~5720       | -29.31       | ≤15.59      | PASS    |
|                |         |        |                 | 5720~5725       | -23.74       | ≤23.94      | PASS    |
|                |         |        |                 | 5760~5650       | -38.9        | ≤-27        | PASS    |
|                |         | High   | 5825            | 5850~5855       | -30.76       | ≤21.33      | PASS    |
|                |         |        |                 | 5855~5875       | -32.61       | ≤10.06      | PASS    |
|                |         |        |                 | 5875~5925       | -37.19       | ≤-7.97      | PASS    |
| 5925~5935      | -38.42  | ≤-27   | PASS            |                 |              |             |         |
| 11N40SIS<br>O  | Ant1    | Low    | 5755            | 5650~5700       | -31.89       | ≤7.06       | PASS    |
|                |         |        |                 | 5700~5720       | -23.04       | ≤14.63      | PASS    |
|                |         |        |                 | 5720~5725       | -21.75       | ≤16.97      | PASS    |
|                |         |        |                 | 5780~5650       | -39          | ≤-27        | PASS    |
|                |         | High   | 5795            | 5850~5855       | -35.49       | ≤22.80      | PASS    |
|                |         |        |                 | 5855~5875       | -37.06       | ≤10.73      | PASS    |
|                |         |        |                 | 5875~5925       | -37.52       | ≤-23.99     | PASS    |
| 5925~5935      | -38.96  | ≤-27   | PASS            |                 |              |             |         |
| 11AC20SI<br>SO | Ant1    | Low    | 5745            | 5650~5700       | -36.65       | ≤9.72       | PASS    |
|                |         |        |                 | 5700~5720       | -29.8        | ≤15.43      | PASS    |
|                |         |        |                 | 5720~5725       | -22.38       | ≤23.68      | PASS    |
|                |         |        |                 | 5760~5650       | -39.87       | ≤-27        | PASS    |
|                |         | High   | 5825            | 5850~5855       | -32.04       | ≤15.79      | PASS    |
|                |         |        |                 | 5855~5875       | -33.65       | ≤10.14      | PASS    |
|                |         |        |                 | 5875~5925       | -37.86       | ≤-18.66     | PASS    |
| 5925~5935      | -38.8   | ≤-27   | PASS            |                 |              |             |         |
| 11AC40SI<br>SO | Ant1    | Low    | 5755            | 5650~5700       | -32.22       | ≤9.66       | PASS    |
|                |         |        |                 | 5700~5720       | -23.83       | ≤15.05      | PASS    |
|                |         |        |                 | 5720~5725       | -22.5        | ≤26.20      | PASS    |

|                |      |      |      |           |        |               |      |
|----------------|------|------|------|-----------|--------|---------------|------|
|                |      |      |      | 5780~5650 | -38.71 | $\leq -27$    | PASS |
|                |      | High | 5795 | 5850~5855 | -36.18 | $\leq 22.80$  | PASS |
|                |      |      |      | 5855~5875 | -36.27 | $\leq 10.50$  | PASS |
|                |      |      |      | 5875~5925 | -37.68 | $\leq -19.35$ | PASS |
|                |      |      |      | 5925~5935 | -38.17 | $\leq -27$    | PASS |
|                |      |      |      |           |        |               |      |
| 11AC80SI<br>SO | Ant1 | Low  | 5775 | 5650~5700 | -21.72 | $\leq 8.07$   | PASS |
|                |      |      |      | 5700~5720 | -19.99 | $\leq 12.31$  | PASS |
|                |      |      |      | 5720~5725 | -19.67 | $\leq 17.77$  | PASS |
|                |      |      |      | 5800~5650 | -30.18 | $\leq -27$    | PASS |
|                |      |      |      | 5850~5855 | -24.07 | $\leq 18.32$  | PASS |
|                |      | High | 5775 | 5855~5875 | -26.06 | $\leq 10.33$  | PASS |
|                |      |      |      | 5875~5925 | -31.65 | $\leq -25.04$ | PASS |
|                |      |      |      | 5925~5935 | -37.46 | $\leq -27$    | PASS |
|                |      |      |      |           |        |               |      |

### Test Graphs B4



11A\_Ant1\_Low\_5745



11A\_Ant1\_High\_5825





11N20SISO\_Ant1\_Low\_5745



11N20SISO\_Ant1\_High\_5825



11N40SISO\_Ant1\_Low\_5755



11N40SISO\_Ant1\_High\_5795



11AC20SISO\_Ant1\_Low\_5745



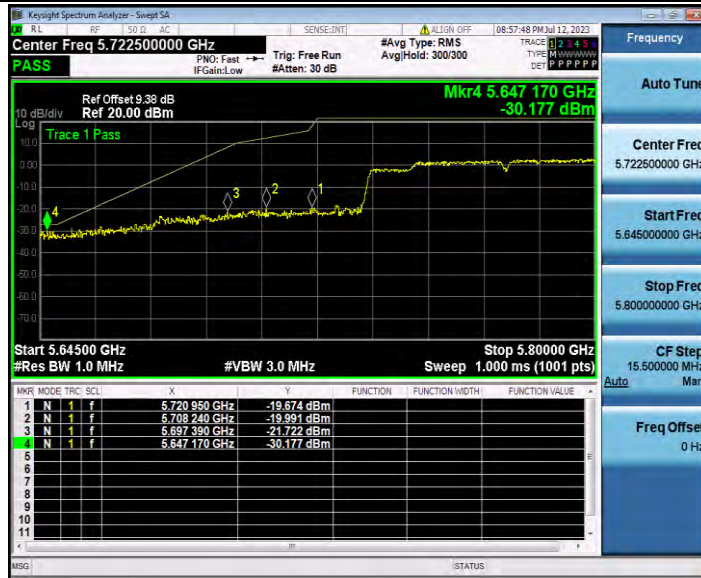
11AC20SISO\_Ant1\_High\_5825



11AC40SISO\_Ant1\_Low\_5755



11AC40SISO\_Ant1\_High\_5795



11AC80SISO\_Ant1\_Low\_5775



11AC80SISO\_Ant1\_High\_5775

## Appendix E.7: Conducted Spurious Emission

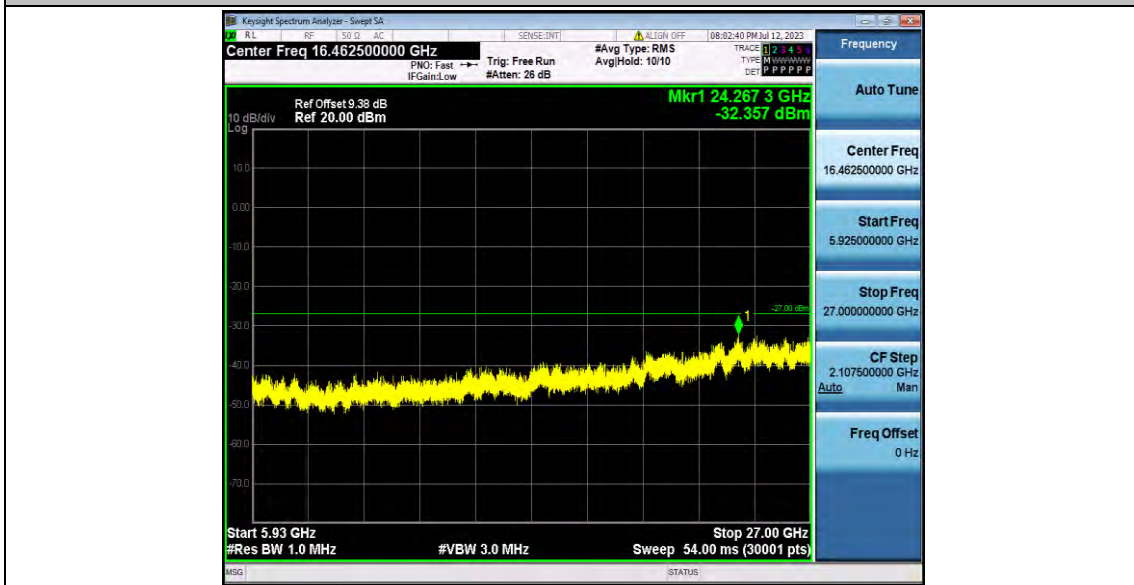
### Test Result

| Test Mode  | Antenna | Frequency[MHz] | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5745           | 30~5650         | 2681.7         | -39.99           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24267.28       | -32.36           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 5040.23        | -40.31           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 25026.68       | -31.13           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 3298.03        | -40.57           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26839.83       | -31.35           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 30~5650         | 5443.18        | -40.75           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26067.08       | -32.75           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 5627.89        | -40.45           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26489.28       | -32.26           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 2748.39        | -39.93           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24793.45       | -32.34           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 30~5650         | 5458.36        | -39.79           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24858.08       | -32.56           | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 5464.73        | -40.61           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24265.17       | -31.98           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 30~5650         | 5649.06        | -41.14           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26759.04       | -32.37           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 2524.91        | -40.32           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 25031.6        | -32.27           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 5496.2         | -40.46           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24234.26       | -31.82           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 30~5650         | 5455.55        | -40.86           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 23585.15       | -30.95           | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 2658.47        | -39.69           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26862.31       | -32.52           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 30~5650         | 5647.38        | -32.32           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26523.71       | -32.62           | ≤-27        | PASS    |

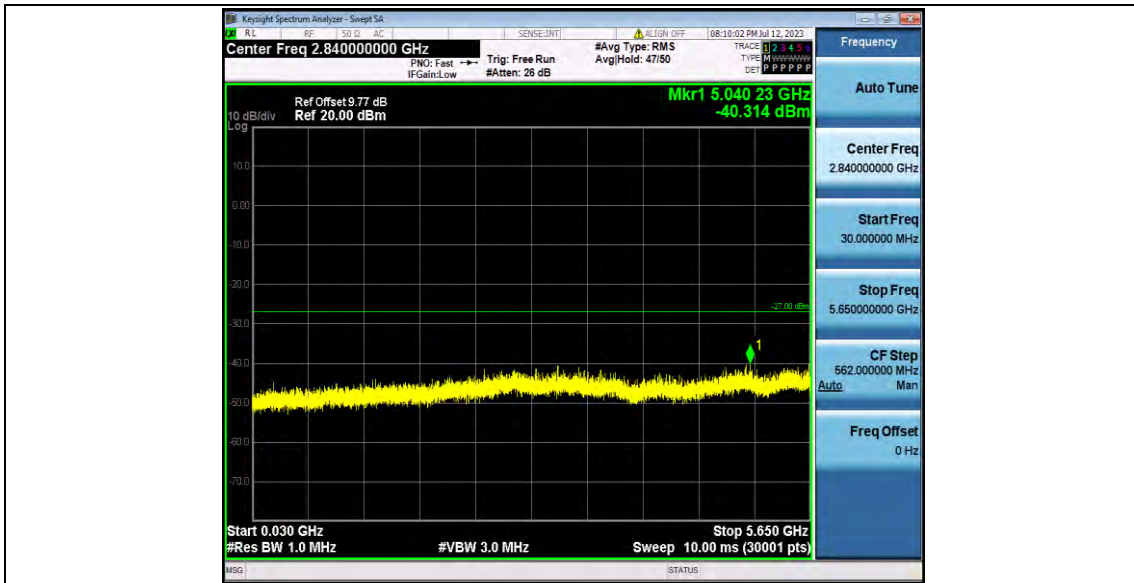
## Test Graphs



11A\_Ant1\_5745\_30~5650



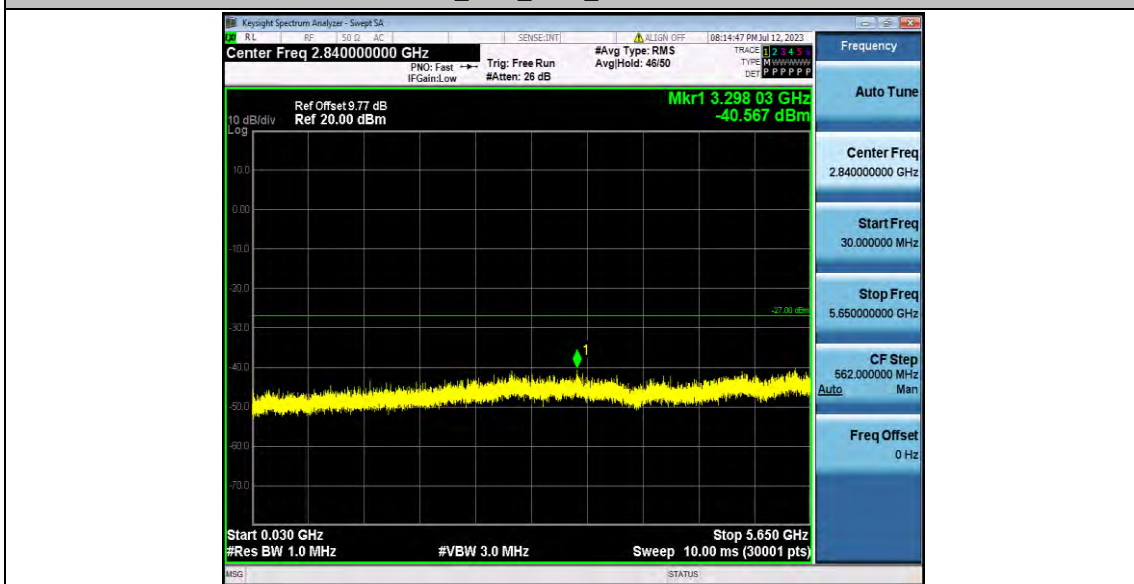
11A\_Ant1\_5745\_5925~40000



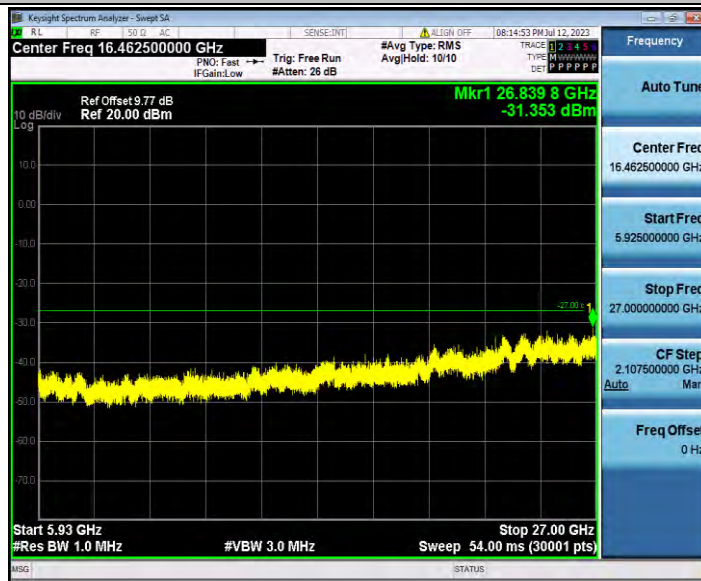
11A\_Ant1\_5785\_30~5650



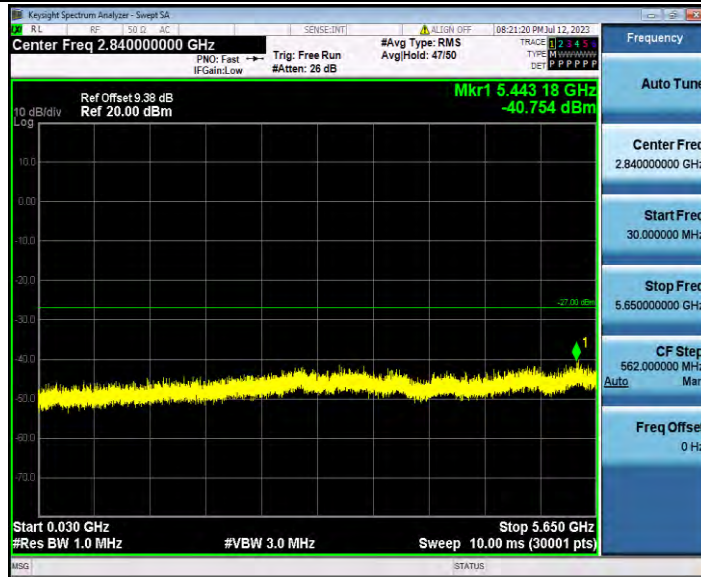
11A\_Ant1\_5785\_5925~40000



11A\_Ant1\_5825\_30~5650

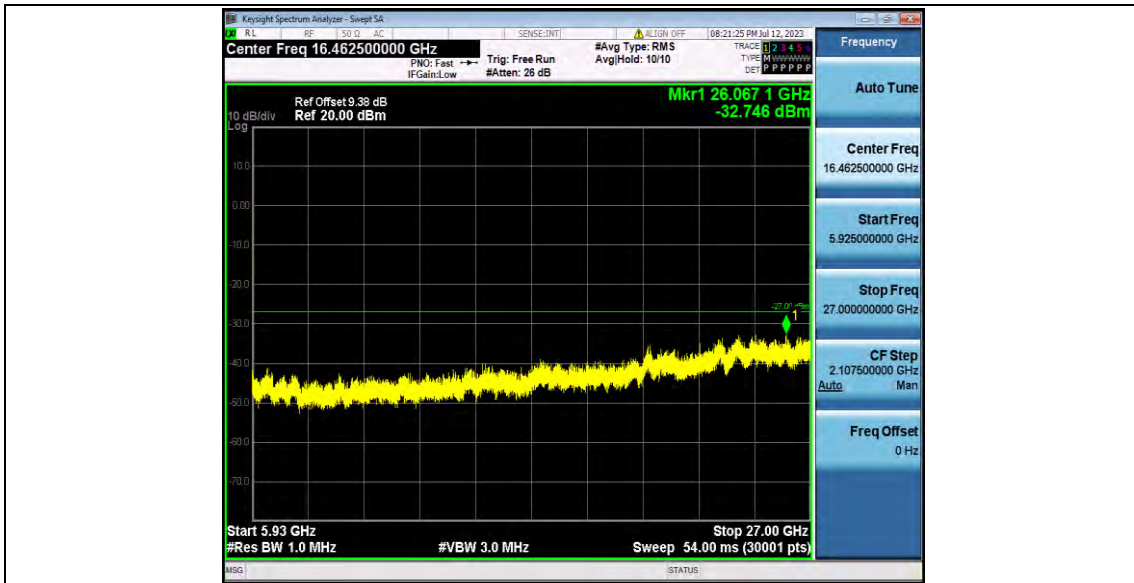


11A\_Ant1\_5825\_5925~40000

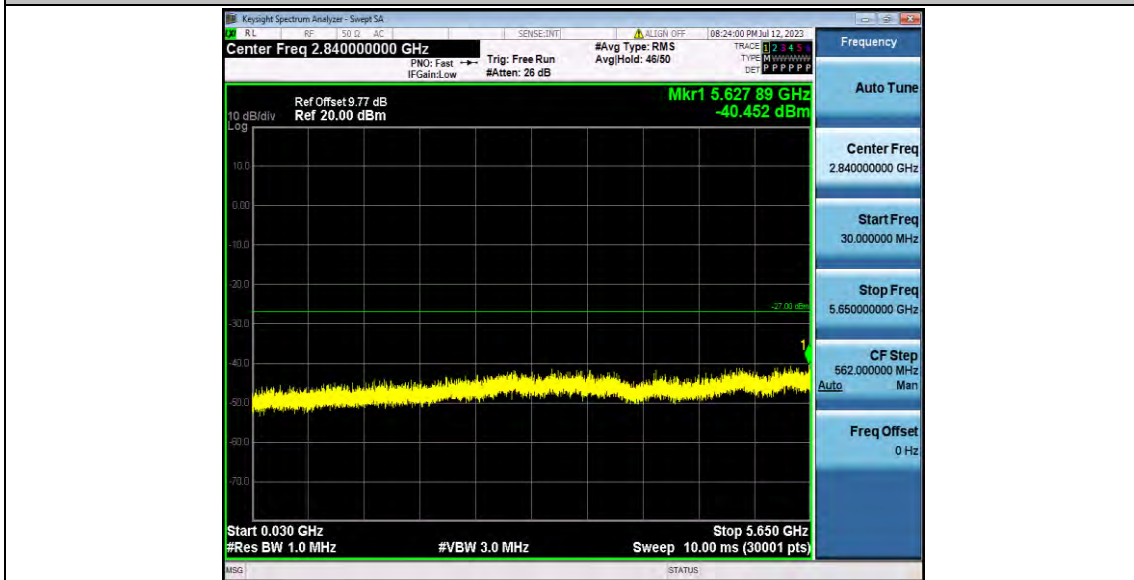


11N20SISO\_Ant1\_5745\_30~5650

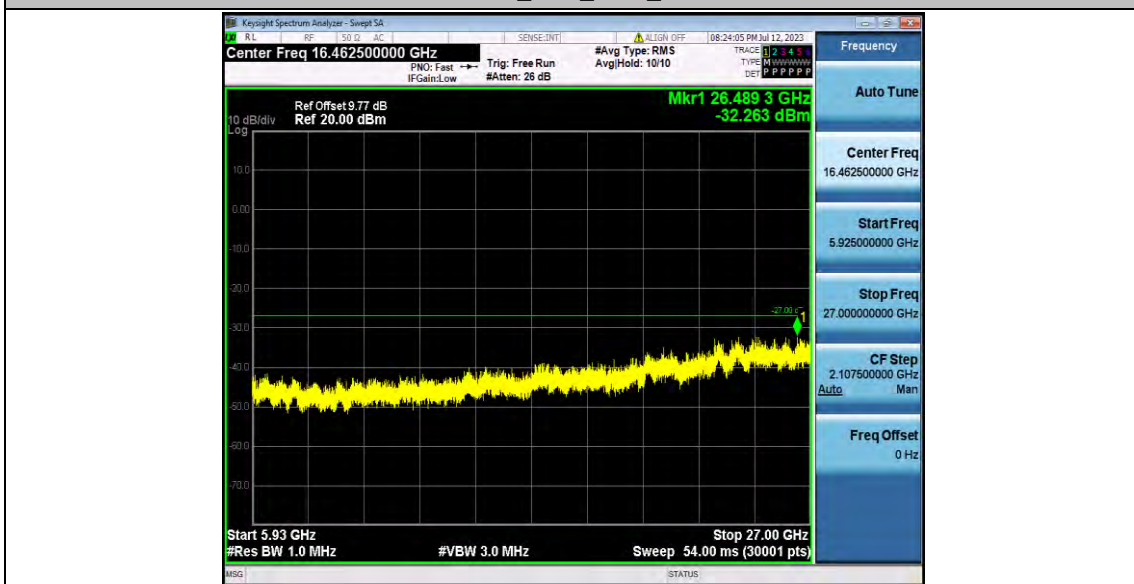




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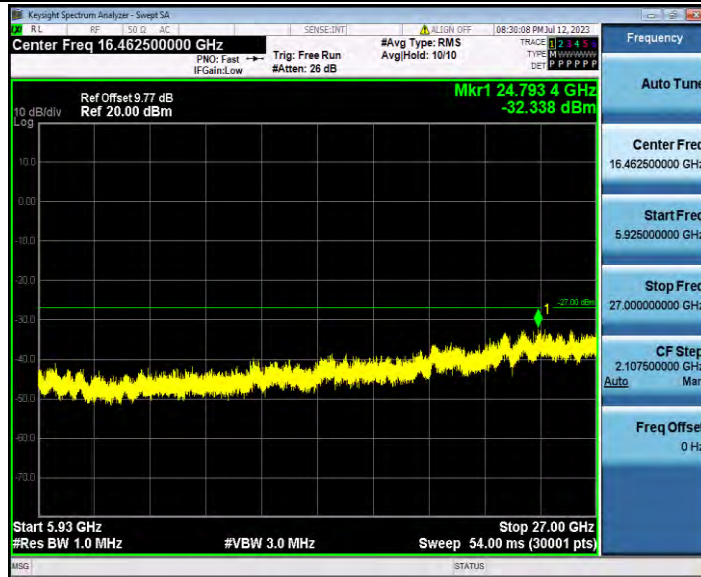
11N20SISO\_Ant1\_5785\_30~5650



11N20SISO\_Ant1\_5785\_5925~40000



11N20SISO\_Ant1\_5825\_30~5650



11N20SISO\_Ant1\_5825\_5925~40000



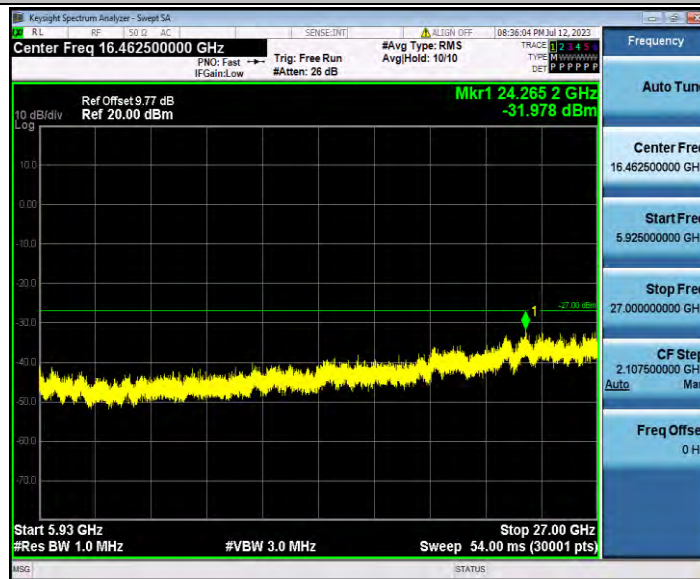
11N40SISO\_Ant1\_5755\_30~5650



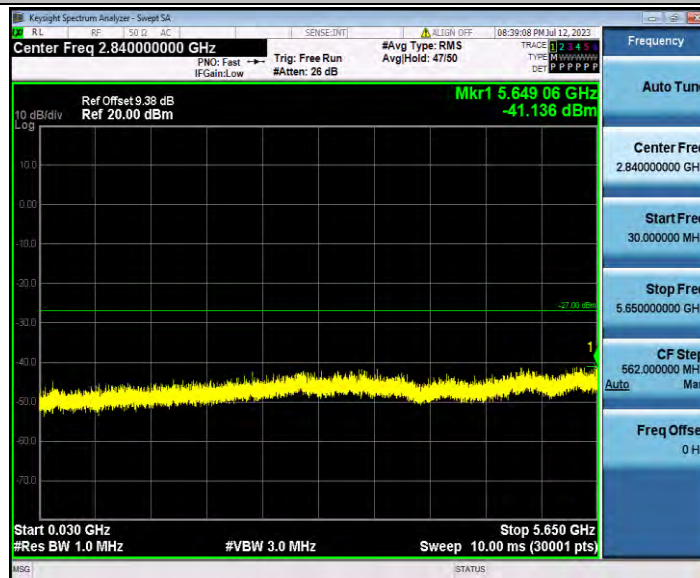
11N40SISO\_Ant1\_5755\_5925~40000



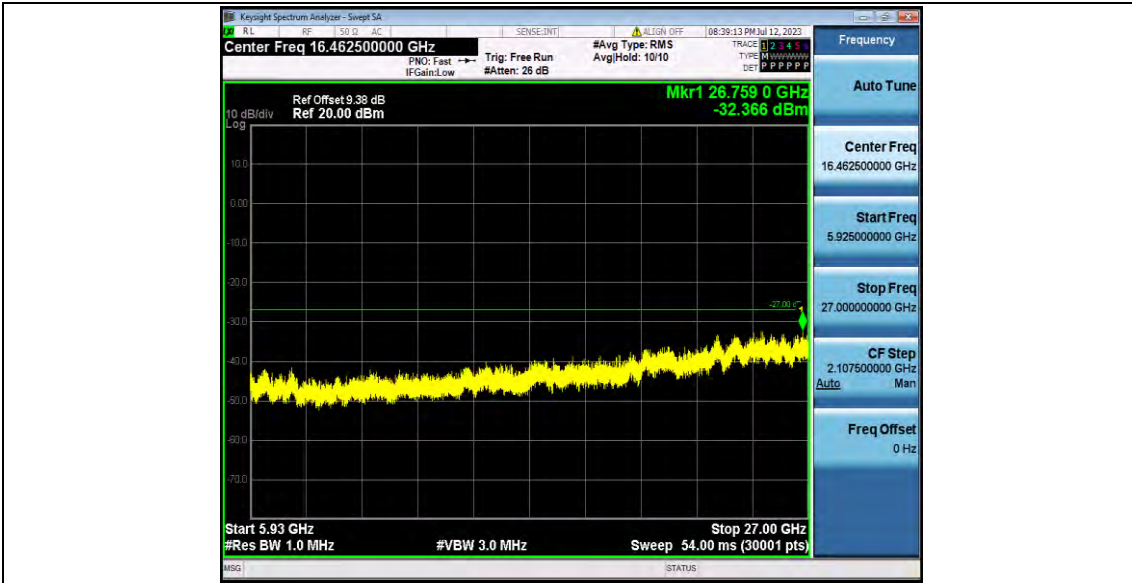
11N40SISO\_Ant1\_5795\_30~5650



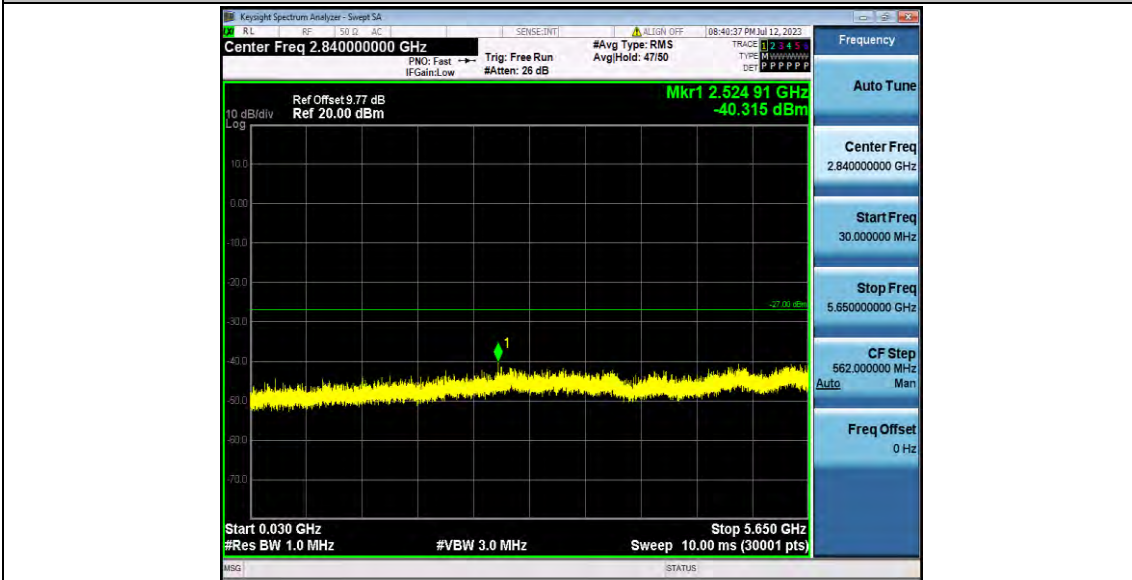
11N40SISO\_Ant1\_5795\_5925~40000



11AC20SISO\_Ant1\_5745\_30~5650



11AC20SISO\_Ant1\_5745\_5925~4000



11AC20SISO\_Ant1\_5785\_30~5650



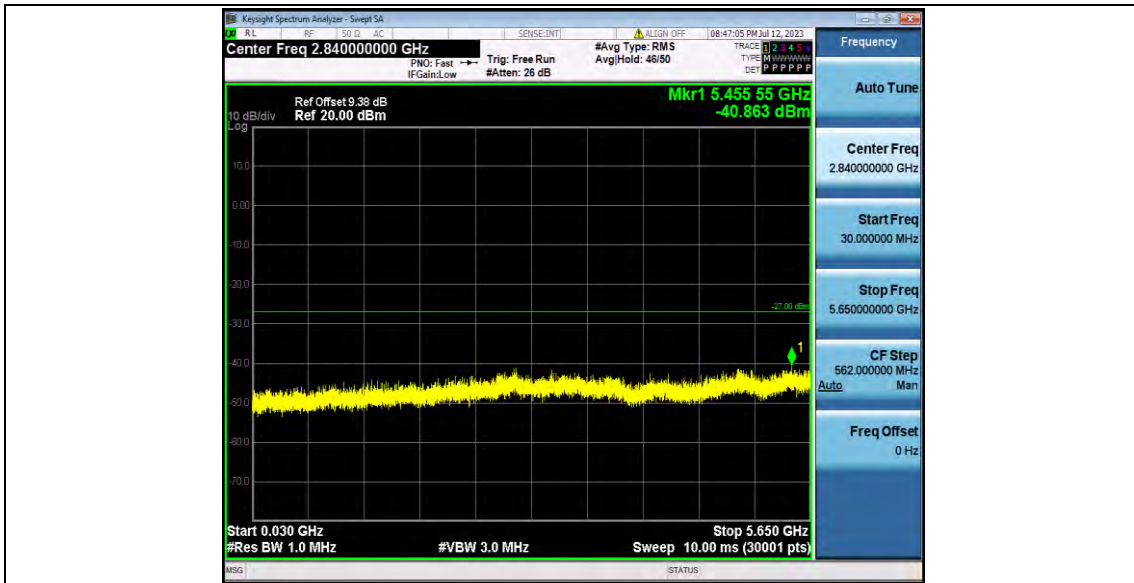
11AC20SISO\_Ant1\_5785\_5925~40000



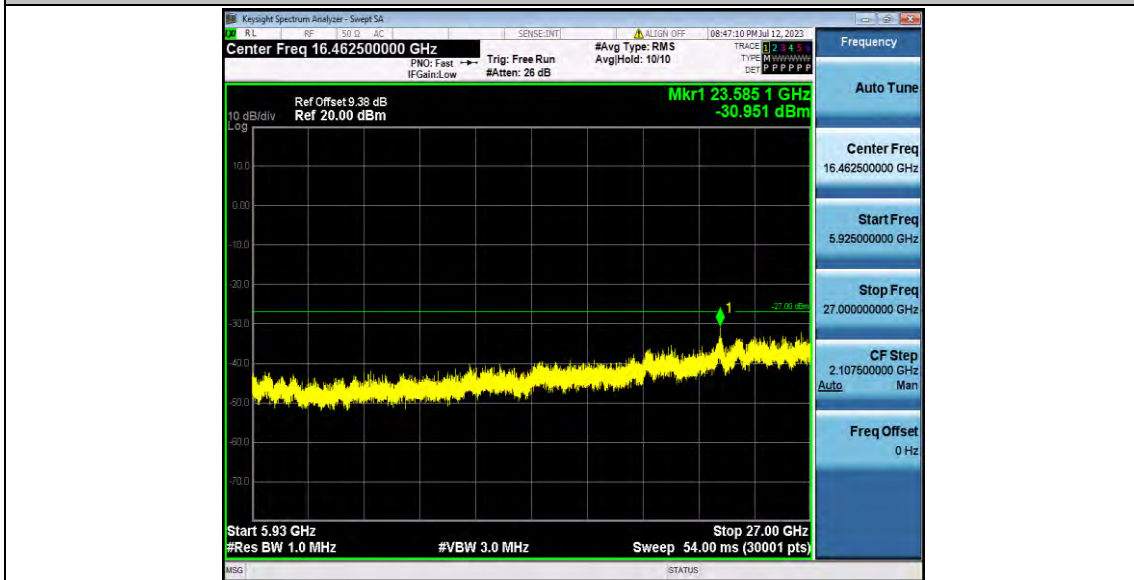
11AC20SISO\_Ant1\_5825\_30~5650



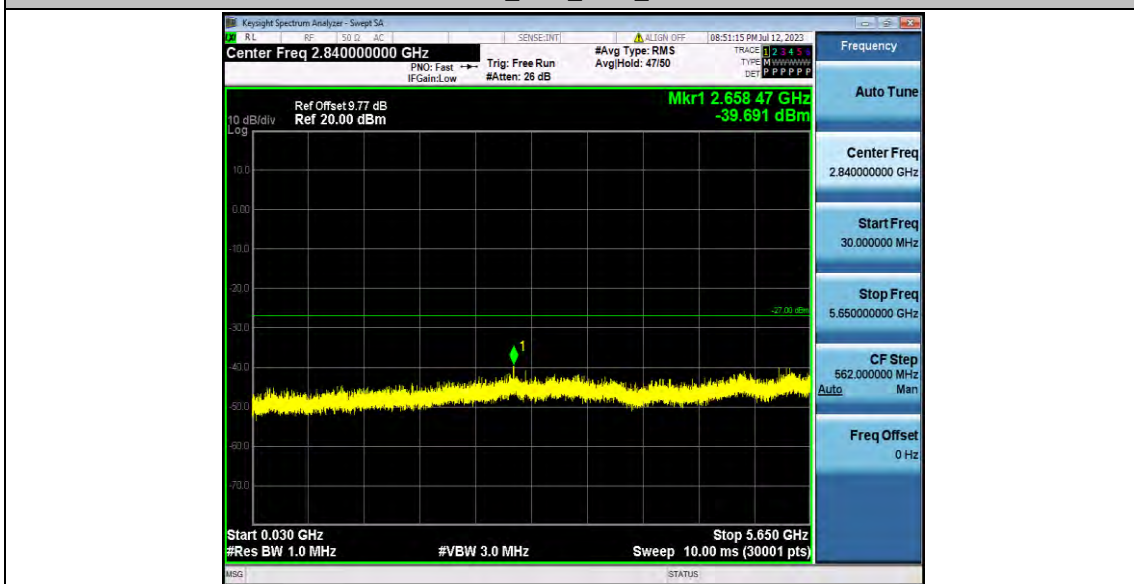
11AC20SISO\_Ant1\_5825\_5925~40000



11AC40SISO\_Ant1\_5755\_30~5650



11AC40SISO\_Ant1\_5755\_5925~40000



11AC40SISO\_Ant1\_5795\_30~5650



11AC40SISO\_Ant1\_5795\_5925~40000



11AC80SISO\_Ant1\_5775\_30~5650



