

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| <b>Case No. :</b> <u>GTS20221216016-1-14</u>                          |                                         |
| <b>Ambient Condition:</b> <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa, |                                         |
| <b>Test Date:</b> <u>2023.1.6</u>                                     | <b>Test Engineer:</b> <u>Jenny zeng</u> |

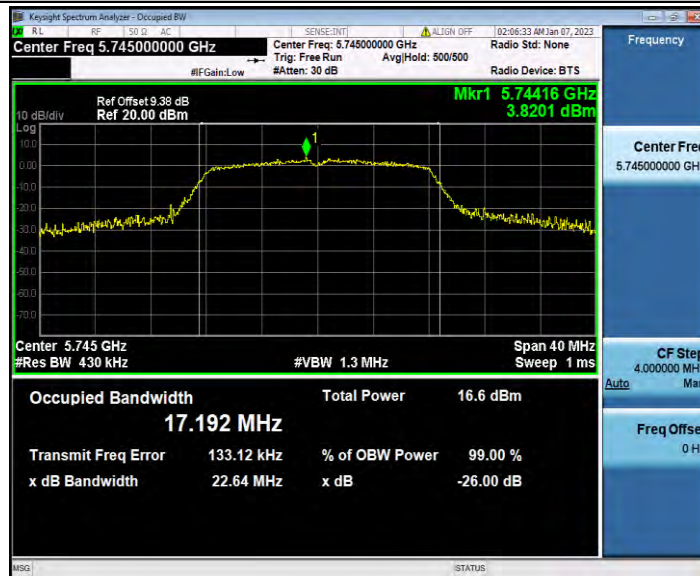
## Appendix G.1: Occupied channel bandwidth

### Test Result

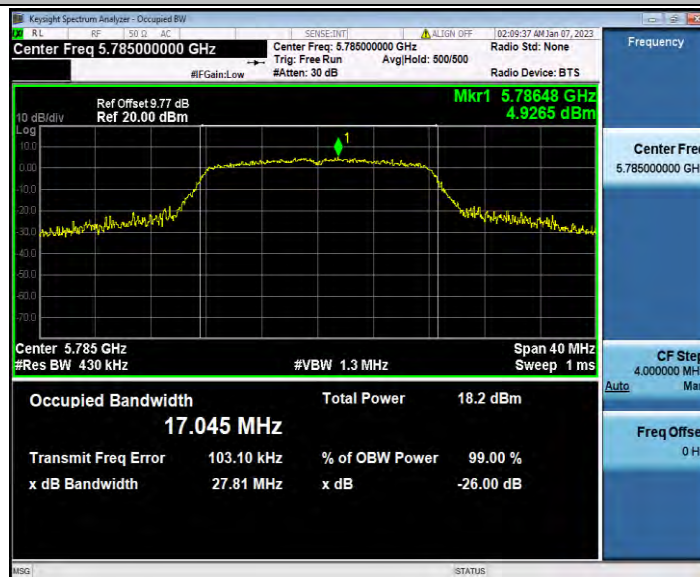
| TestMode   | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|--------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 17.192       | 5736.537 | 5753.729 | ---        | ---     |
|            |         | 5785           | 17.045       | 5776.581 | 5793.626 | ---        | ---     |
|            |         | 5825           | 17.081       | 5816.542 | 5833.623 | ---        | ---     |
| 11N20SISO  | Ant1    | 5745           | 18.164       | 5736.036 | 5754.200 | ---        | ---     |
|            |         | 5785           | 18.073       | 5776.046 | 5794.119 | ---        | ---     |
|            |         | 5825           | 18.056       | 5816.035 | 5834.091 | ---        | ---     |
| 11N40SISO  | Ant1    | 5755           | 36.824       | 5736.916 | 5773.740 | ---        | ---     |
|            |         | 5795           | 36.533       | 5776.979 | 5813.512 | ---        | ---     |
| 11AC20SISO | Ant1    | 5745           | 18.024       | 5736.103 | 5754.127 | ---        | ---     |
|            |         | 5785           | 18.014       | 5776.116 | 5794.130 | ---        | ---     |
|            |         | 5825           | 18.070       | 5816.031 | 5834.101 | ---        | ---     |
| 11AC40SISO | Ant1    | 5755           | 36.512       | 5736.971 | 5773.483 | ---        | ---     |
|            |         | 5795           | 36.622       | 5777.005 | 5813.627 | ---        | ---     |
| 11AC80SISO | Ant1    | 5775           | 75.620       | 5737.786 | 5813.406 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5745



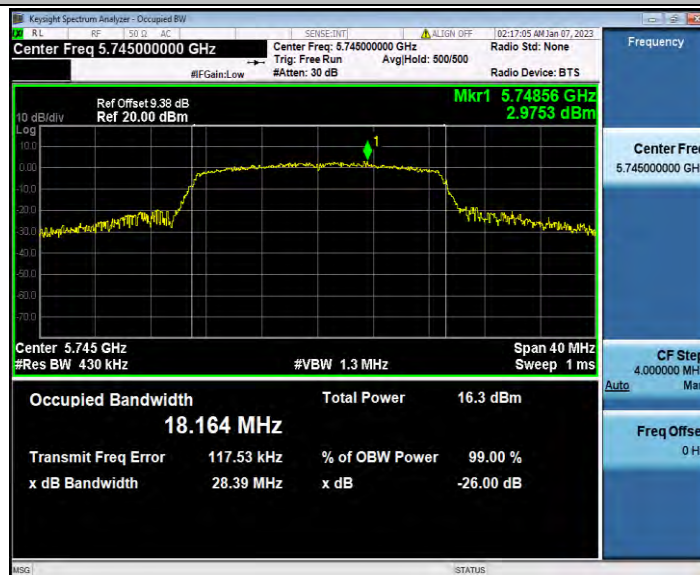
11A\_Ant1\_5785



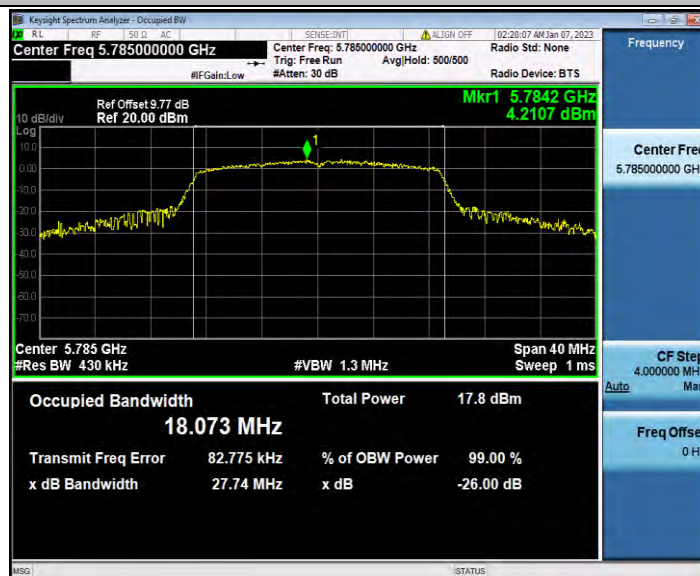
11A\_Ant1\_5825



11N20SISO\_Ant1\_5745



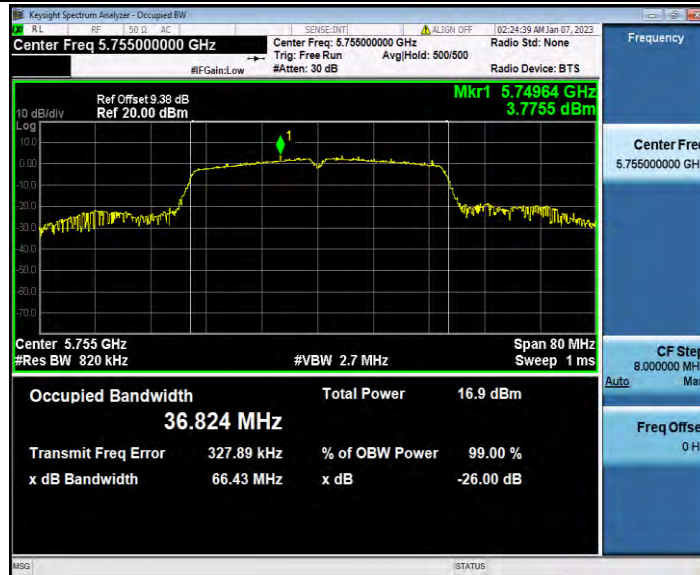
11N20SISO\_Ant1\_5785



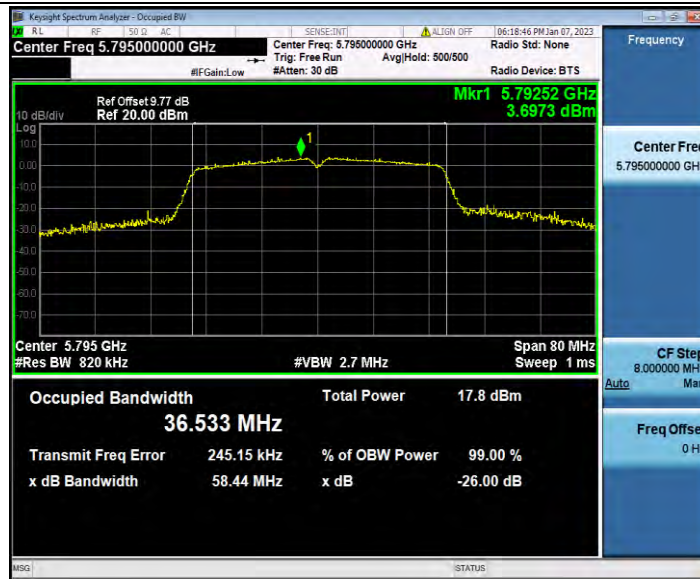
# 11N20SISO\_Ant1\_5825



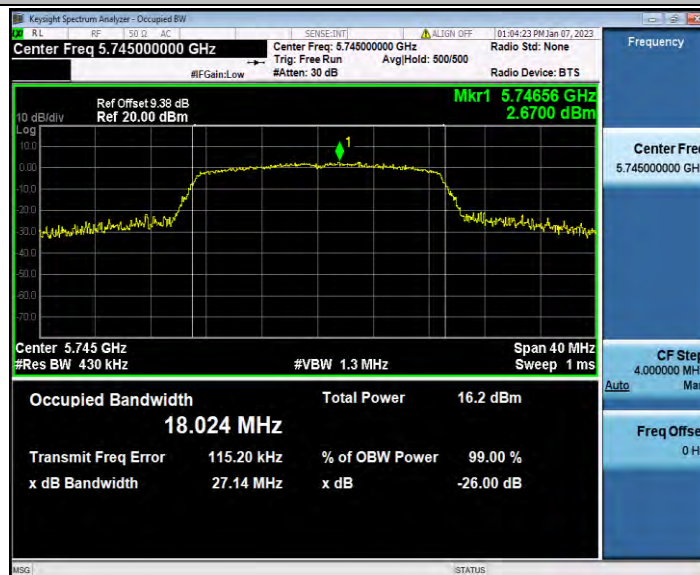
# 11N40SISO\_Ant1\_5755



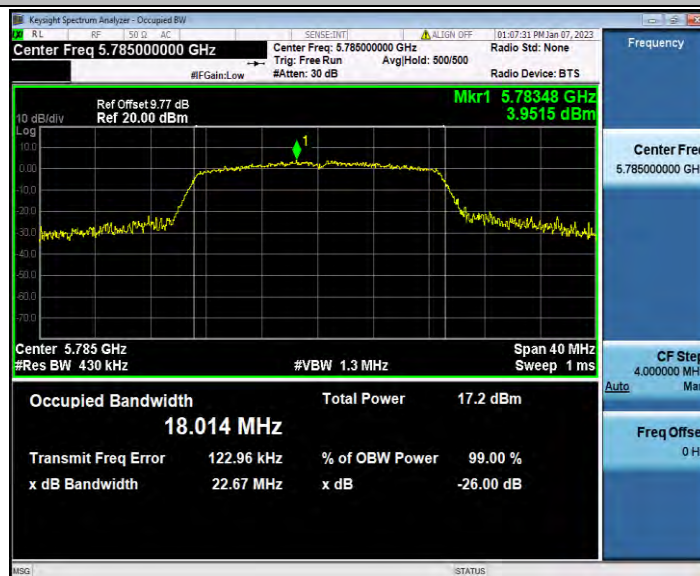
# 11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



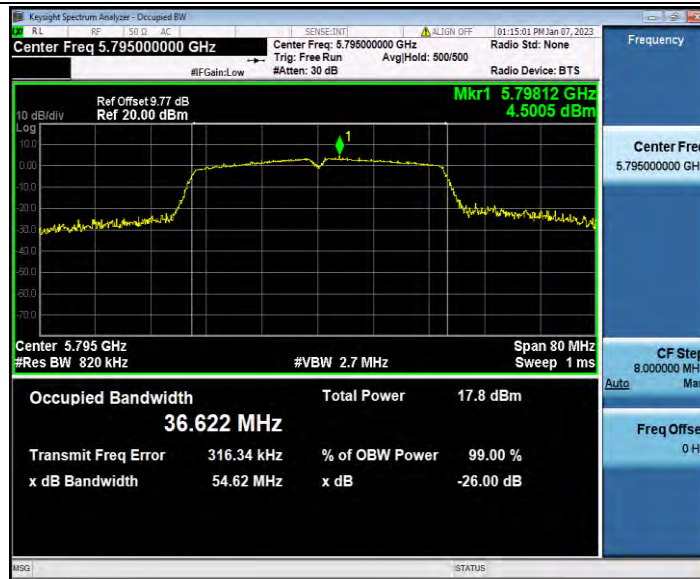
11AC20SISO\_Ant1\_5825



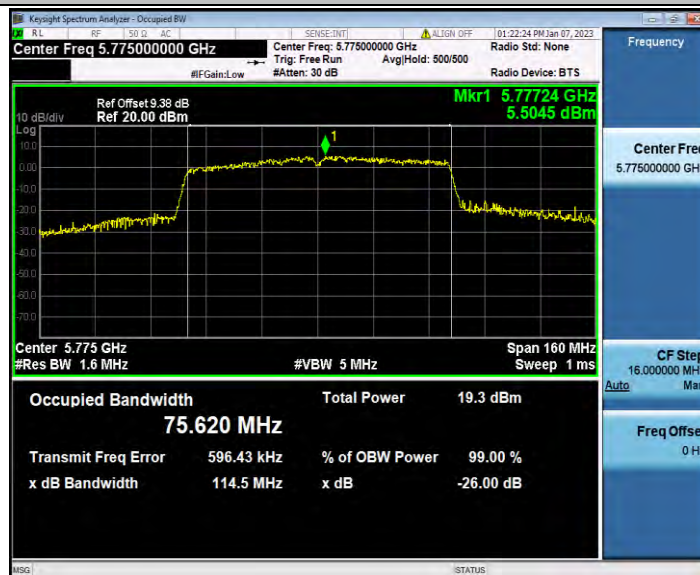
11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix G.2: Min emission bandwidth

### Test Result B4

| TestMode   | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|---------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 14.800        | 5737.480 | 5752.280 | 0.5        | PASS    |
|            |         | 5785           | 12.920        | 5779.680 | 5792.600 | 0.5        | PASS    |
|            |         | 5825           | 15.080        | 5817.480 | 5832.560 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 15.320        | 5737.480 | 5752.800 | 0.5        | PASS    |
|            |         | 5785           | 15.040        | 5777.520 | 5792.560 | 0.5        | PASS    |
|            |         | 5825           | 15.040        | 5817.520 | 5832.560 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 35.120        | 5737.480 | 5772.600 | 0.5        | PASS    |
|            |         | 5795           | 35.120        | 5777.480 | 5812.600 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 15.040        | 5737.520 | 5752.560 | 0.5        | PASS    |
|            |         | 5785           | 15.080        | 5777.480 | 5792.560 | 0.5        | PASS    |
|            |         | 5825           | 13.920        | 5817.480 | 5831.400 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 35.120        | 5737.480 | 5772.600 | 0.5        | PASS    |
|            |         | 5795           | 33.840        | 5778.760 | 5812.600 | 0.5        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 70.080        | 5742.520 | 5812.600 | 0.5        | PASS    |

## Test Graphs B4

11A\_Ant1\_5745



11A\_Ant1\_5785



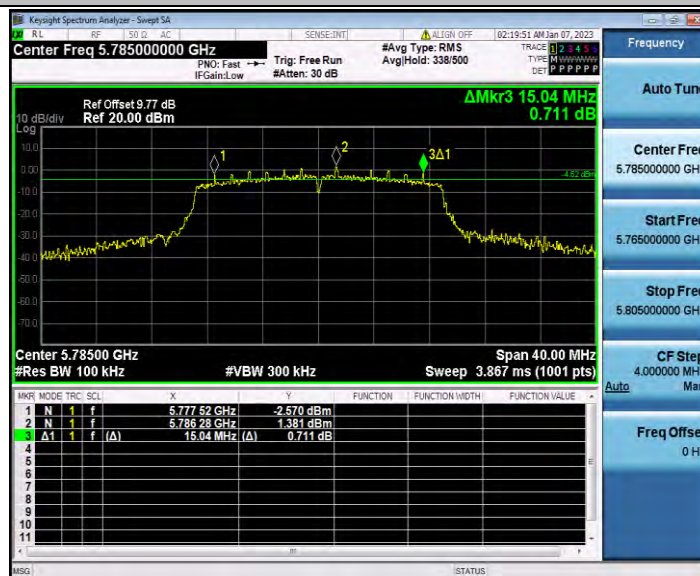
11A\_Ant1\_5825



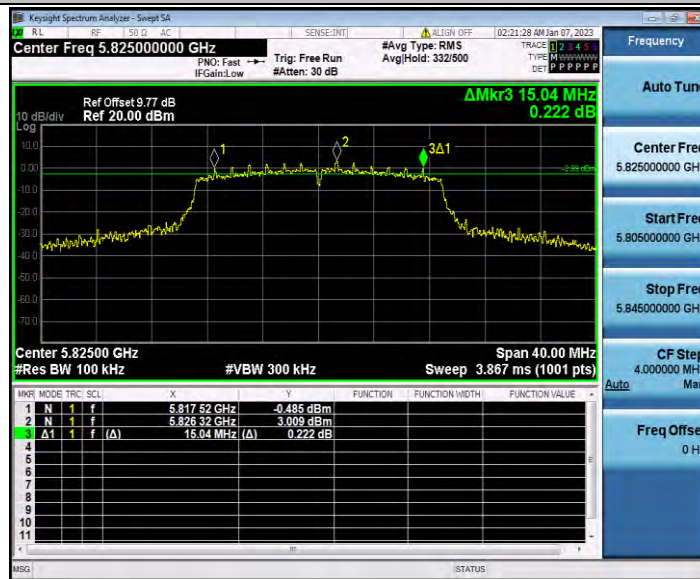
11N20SISO\_Ant1\_5745



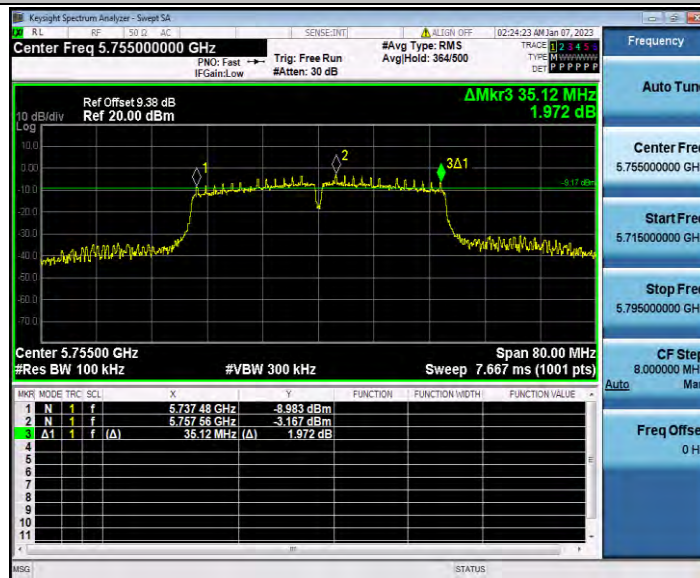
11N20SISO\_Ant1\_5785



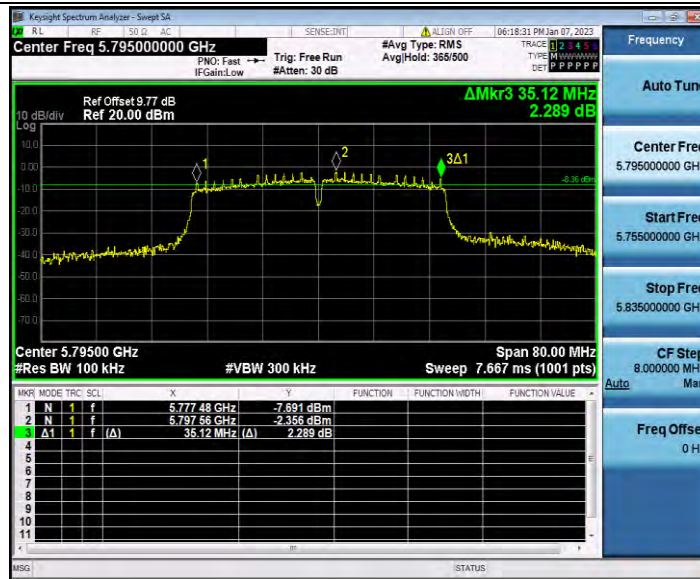
# 11N20SISO\_Ant1\_5825



# 11N40SISO\_Ant1\_5755



# 11N40SISO\_Ant1\_5795



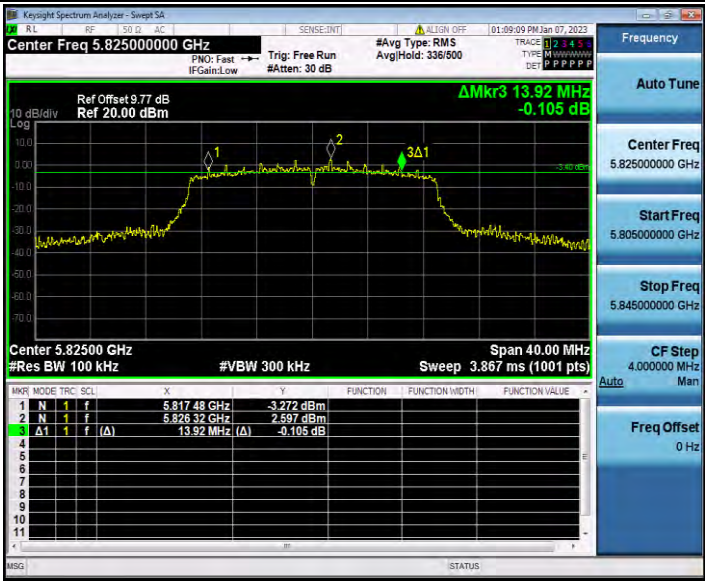
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



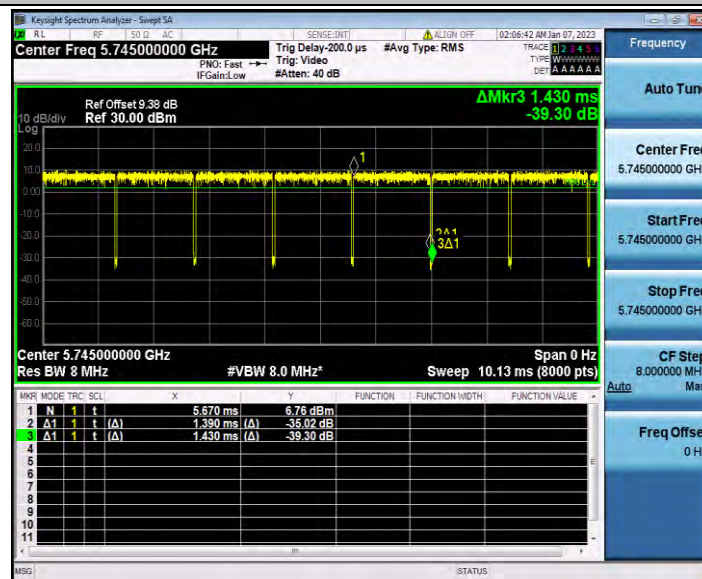
## Appendix G.3: Duty Cycle

### Test Result

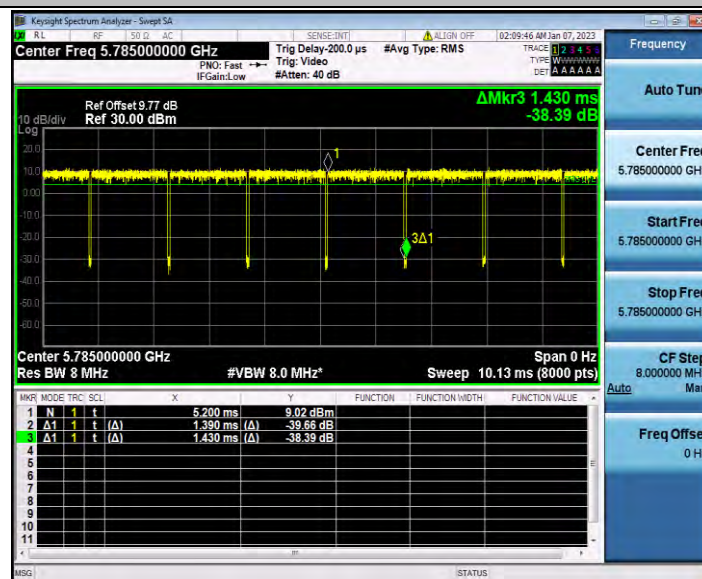
| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5745           | 1.39                       | 1.43                     | 97.20          |
|            |         | 5785           | 1.39                       | 1.43                     | 97.20          |
|            |         | 5825           | 1.39                       | 1.44                     | 96.53          |
| 11N20SISO  | Ant1    | 5745           | 1.30                       | 1.34                     | 97.01          |
|            |         | 5785           | 1.30                       | 1.35                     | 96.30          |
|            |         | 5825           | 1.30                       | 1.34                     | 97.01          |
| 11N40SISO  | Ant1    | 5755           | 0.65                       | 0.69                     | 94.20          |
|            |         | 5795           | 0.65                       | 0.69                     | 94.20          |
| 11AC20SISO | Ant1    | 5745           | 1.31                       | 1.36                     | 96.32          |
|            |         | 5785           | 1.31                       | 1.36                     | 96.32          |
|            |         | 5825           | 1.31                       | 1.36                     | 96.32          |
| 11AC40SISO | Ant1    | 5755           | 0.65                       | 0.70                     | 92.86          |
|            |         | 5795           | 0.65                       | 0.70                     | 92.86          |
| 11AC80SISO | Ant1    | 5775           | 0.32                       | 0.37                     | 86.49          |

## Test Graphs

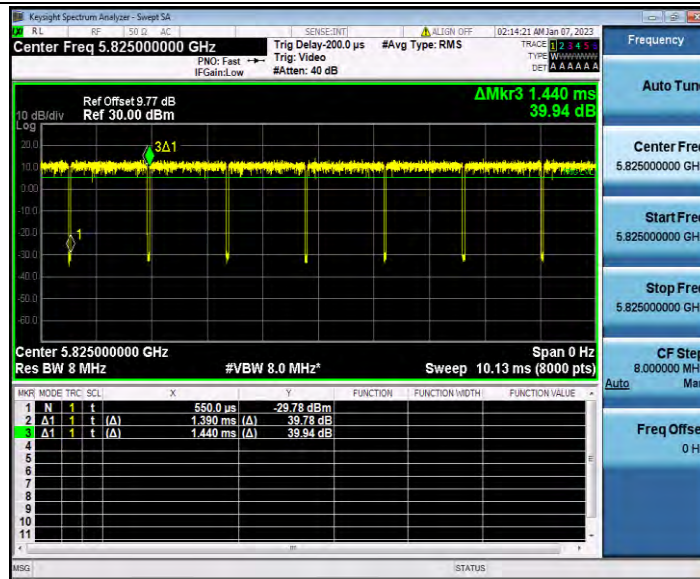
11A\_Ant1\_5745



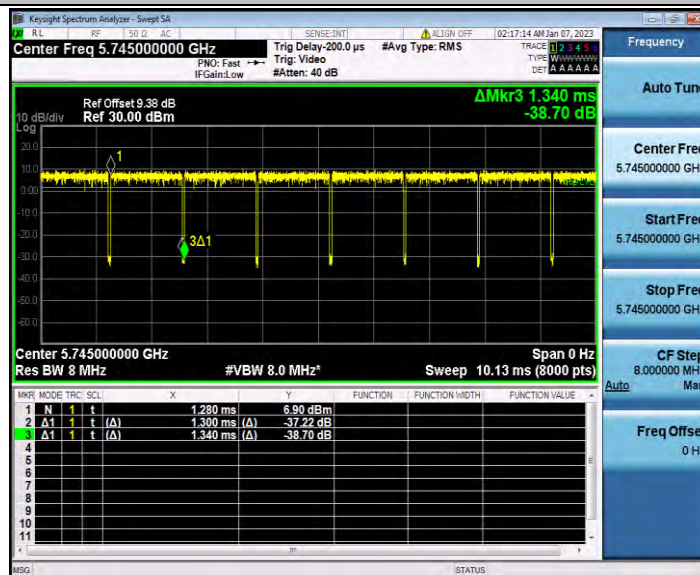
11A\_Ant1\_5785



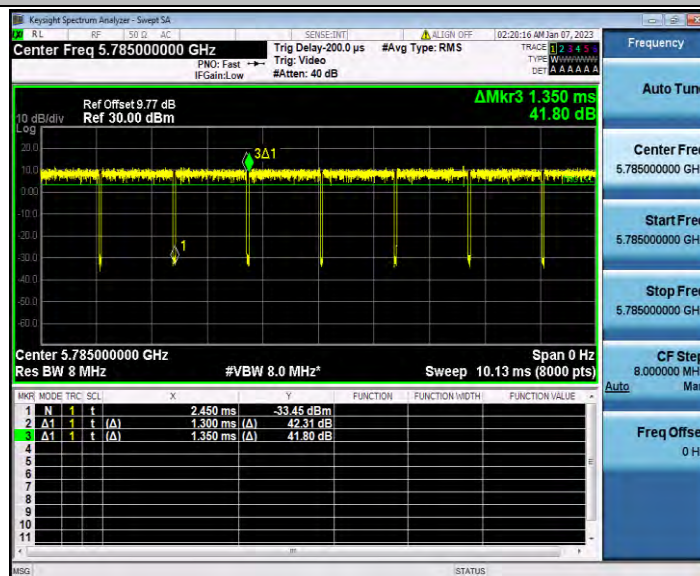
11A\_Ant1\_5825



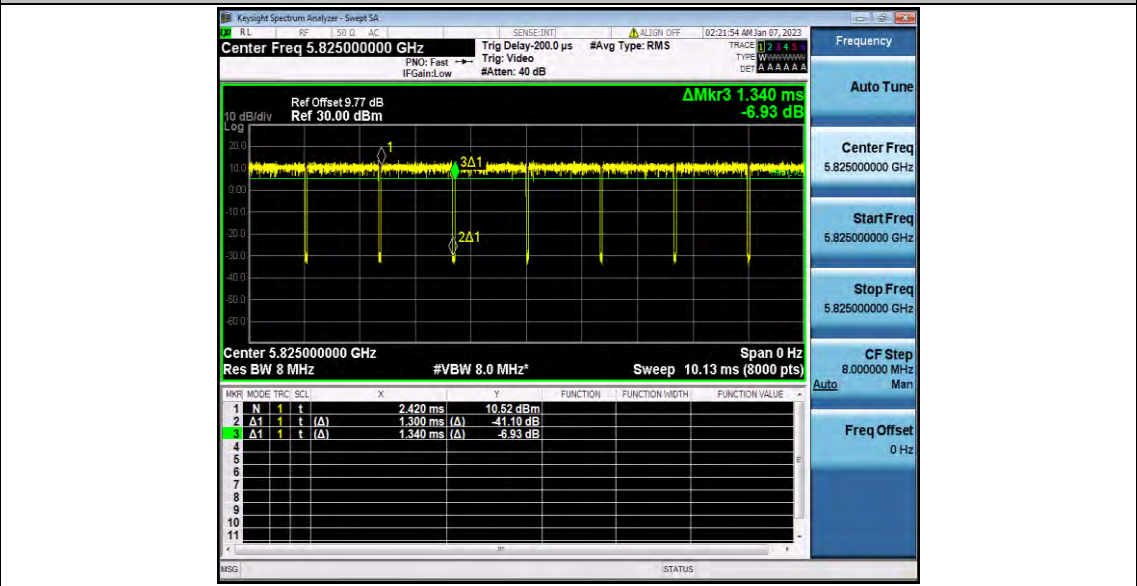
11N20SISO\_Ant1\_5745



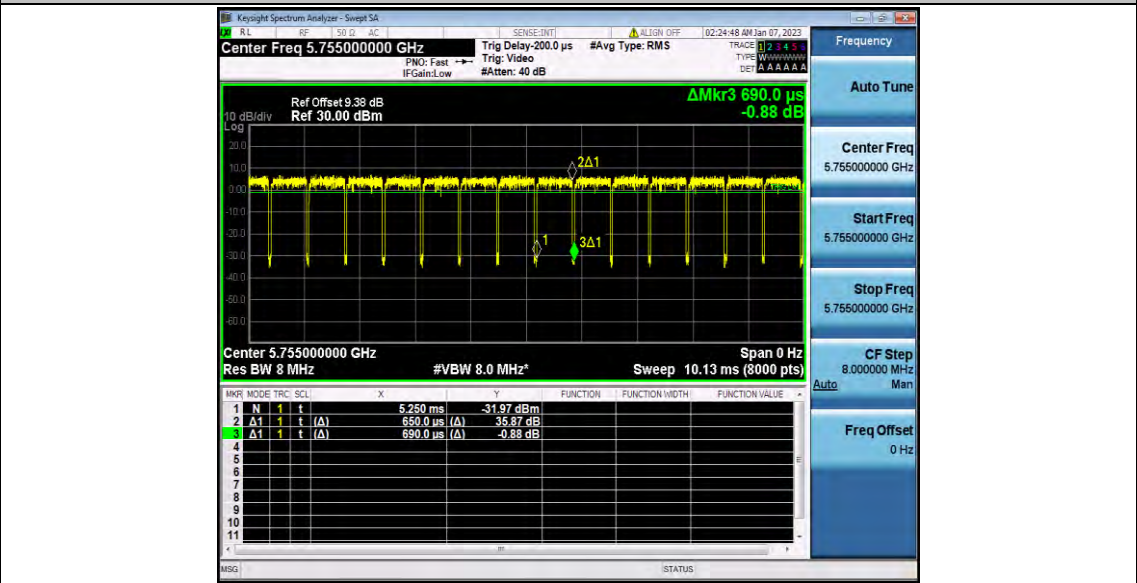
11N20SISO\_Ant1\_5785



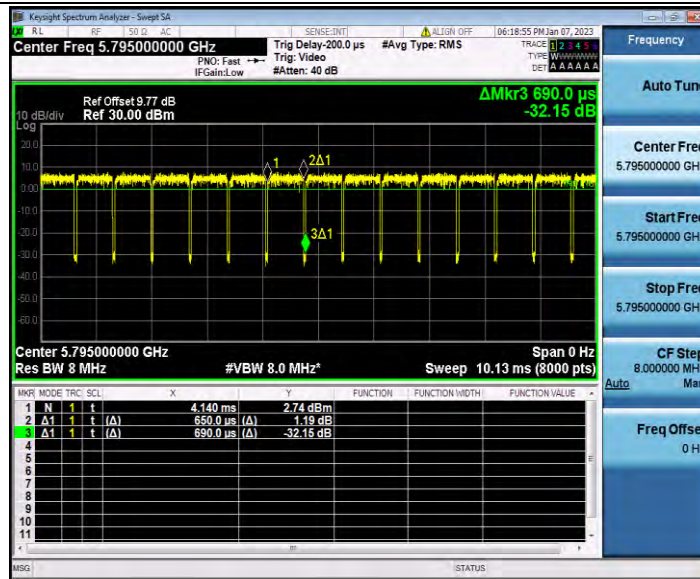
11N20SISO\_Ant1\_5825



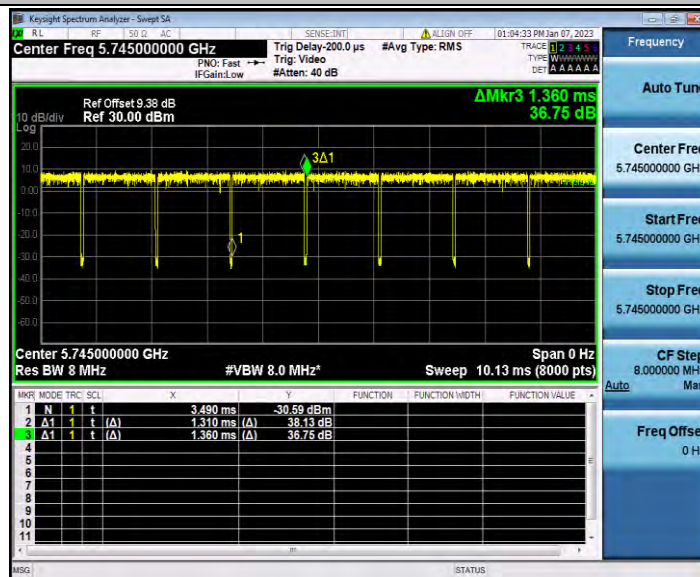
11N40SISO\_Ant1\_5755



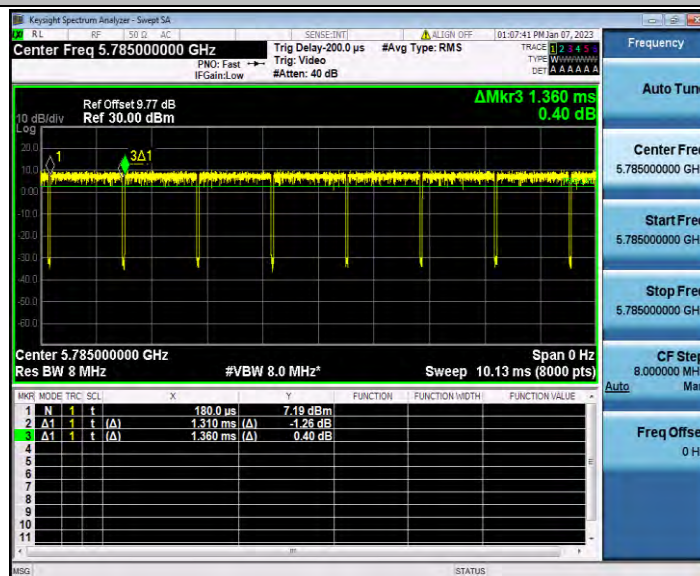
## 11N40SISO\_Ant1\_5795



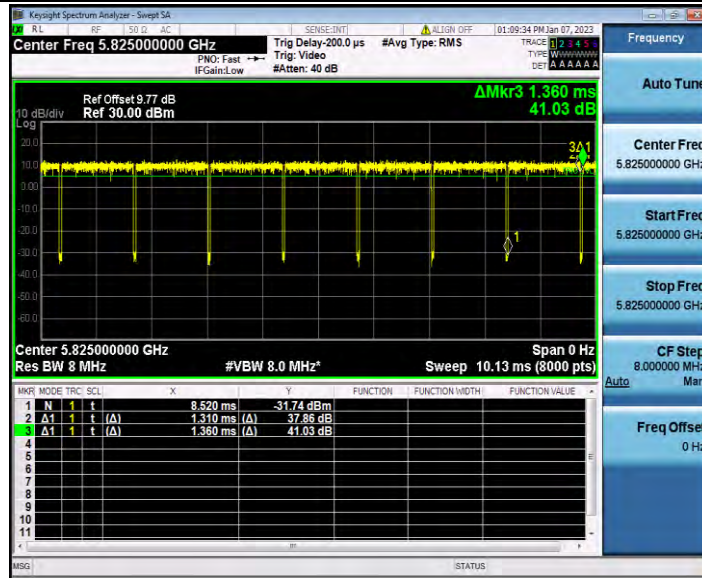
11AC20SISO\_Ant1\_5745



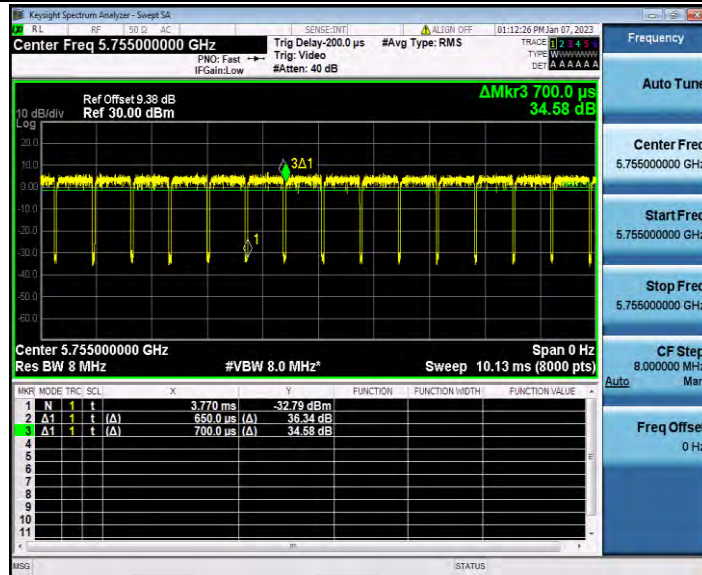
11AC20SISO\_Ant1\_5785



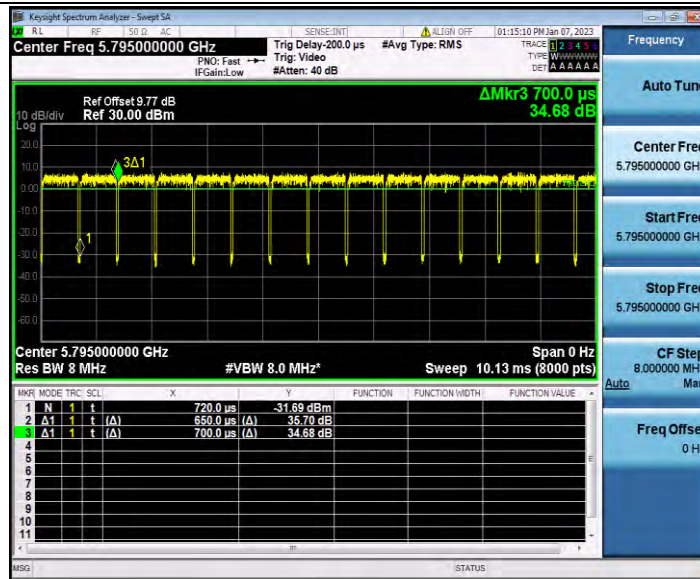
# 11AC20SISO\_Ant1\_5825



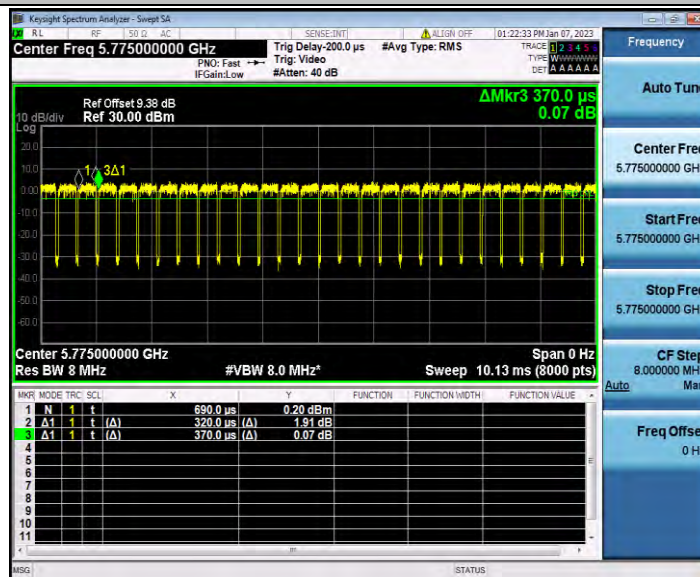
# 11AC40SISO\_Ant1\_5755



# 11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix G.4: Maximum conducted output power

### Test Result Channel Power

| Test Mode  | Antenna | Frequency[M Hz] | Channel Powert [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|-----------------|----------------------|----------------|-----------------|--------------|-------------|---------|
| 11A        | Ant1    | 5745            | 9.67                 | 97.20          | 0.12            | 9.79         | ≤30.00      | PASS    |
|            |         | 5785            | 11.15                | 97.20          | 0.12            | 11.27        | ≤30.00      | PASS    |
|            |         | 5825            | 13.00                | 96.53          | 0.15            | 13.15        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 5745            | 9.42                 | 97.01          | 0.13            | 9.55         | ≤30.00      | PASS    |
|            |         | 5785            | 10.93                | 96.30          | 0.16            | 11.09        | ≤30.00      | PASS    |
|            |         | 5825            | 12.96                | 97.01          | 0.13            | 13.09        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 5755            | 9.25                 | 94.20          | 0.26            | 9.51         | ≤30.00      | PASS    |
|            |         | 5795            | 10.19                | 94.20          | 0.26            | 10.45        | ≤30.00      | PASS    |
| 11AC20SISO | Ant1    | 5745            | 9.26                 | 96.32          | 0.16            | 9.42         | ≤30.00      | PASS    |
|            |         | 5785            | 10.29                | 96.32          | 0.16            | 10.45        | ≤30.00      | PASS    |
|            |         | 5825            | 12.37                | 96.32          | 0.16            | 12.53        | ≤30.00      | PASS    |
| 11AC40SISO | Ant1    | 5755            | 8.81                 | 92.86          | 0.32            | 9.13         | ≤30.00      | PASS    |
|            |         | 5795            | 10.18                | 92.86          | 0.32            | 10.50        | ≤30.00      | PASS    |
| 11AC80SISO | Ant1    | 5775            | 9.83                 | 86.49          | 0.63            | 10.46        | ≤30.00      | PASS    |

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

## Appendix G.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5745           | -3.47            | ≤30.00         | PASS    |
|            |         | 5785           | -2.01            | ≤30.00         | PASS    |
|            |         | 5825           | 0.04             | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5745           | -3.89            | ≤30.00         | PASS    |
|            |         | 5785           | -2.16            | ≤30.00         | PASS    |
|            |         | 5825           | -0.27            | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5755           | -6.46            | ≤30.00         | PASS    |
|            |         | 5795           | -5.76            | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5745           | -4.33            | ≤30.00         | PASS    |
|            |         | 5785           | -3.13            | ≤30.00         | PASS    |
|            |         | 5825           | -1.09            | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5755           | -7.19            | ≤30.00         | PASS    |
|            |         | 5795           | -5.77            | ≤30.00         | PASS    |
| 11AC80SISO | Ant1    | 5775           | -9.45            | ≤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

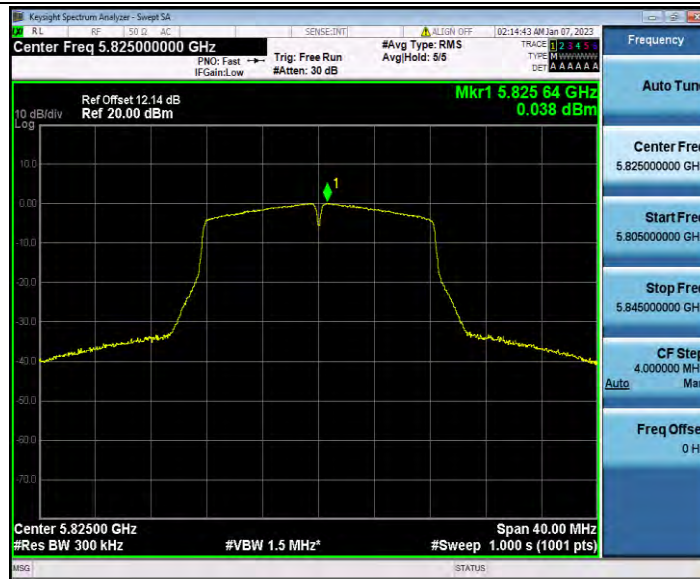
11A\_Ant1\_5745



11A\_Ant1\_5785



11A\_Ant1\_5825



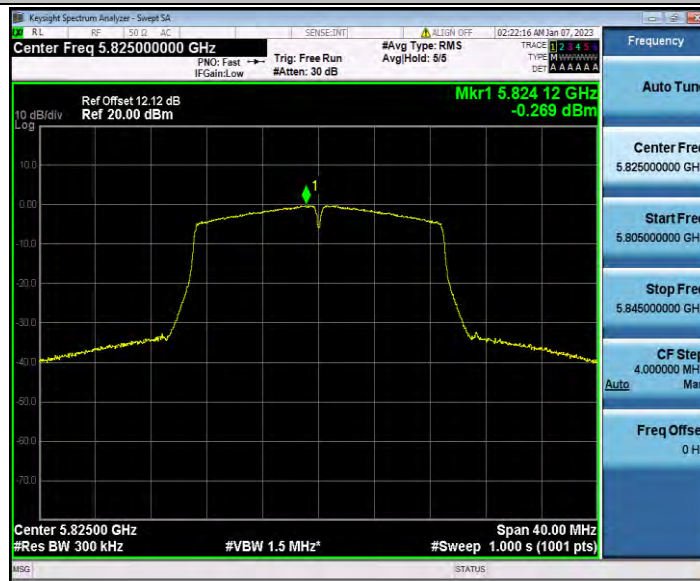
11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



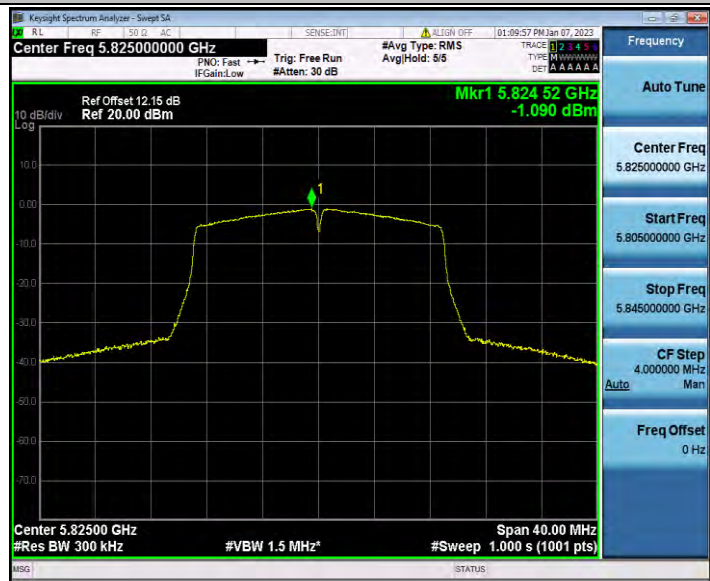
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix G.6: Band edge measurements

### Test Result B4

| TestMode       | Antenna | ChName | Frequency[MHz] | FreqRange [MHz] | Result [dBm] | Limit [dBm] | Verdict |
|----------------|---------|--------|----------------|-----------------|--------------|-------------|---------|
| 11A            | Ant1    | Low    | 5745           | 5650~5700       | -38.08       | ≤9.98       | PASS    |
|                |         |        |                | 5700~5720       | -30.42       | ≤15.34      | PASS    |
|                |         |        |                | 5720~5725       | -22.97       | ≤24.47      | PASS    |
|                |         |        |                | 5760~5650       | -39.96       | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -28.06       | ≤18.87      | PASS    |
|                |         |        |                | 5855~5875       | -30.19       | ≤10.06      | PASS    |
|                |         |        |                | 5875~5925       | -38.54       | ≤-14.27     | PASS    |
|                |         |        |                | 5925~5935       | -39.16       | ≤-27        | PASS    |
| 11N20SI<br>SO  | Ant1    | Low    | 5745           | 5650~5700       | -38.26       | ≤8.28       | PASS    |
|                |         |        |                | 5700~5720       | -28.37       | ≤15.53      | PASS    |
|                |         |        |                | 5720~5725       | -22.37       | ≤25.52      | PASS    |
|                |         |        |                | 5760~5650       | -40.85       | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -27.3        | ≤18.26      | PASS    |
|                |         |        |                | 5855~5875       | -32.02       | ≤10.55      | PASS    |
|                |         |        |                | 5875~5925       | -37.45       | ≤-25.66     | PASS    |
|                |         |        |                | 5925~5935       | -38.62       | ≤-27        | PASS    |
| 11N40SI<br>SO  | Ant1    | Low    | 5755           | 5650~5700       | -33.55       | ≤8.76       | PASS    |
|                |         |        |                | 5700~5720       | -23.65       | ≤15.39      | PASS    |
|                |         |        |                | 5720~5725       | -20.36       | ≤25.28      | PASS    |
|                |         |        |                | 5780~5650       | -40.04       | ≤-27        | PASS    |
|                |         | High   | 5795           | 5850~5855       | -35.27       | ≤24.69      | PASS    |
|                |         |        |                | 5855~5875       | -35.56       | ≤10.41      | PASS    |
|                |         |        |                | 5875~5925       | -37.95       | ≤-17.52     | PASS    |
|                |         |        |                | 5925~5935       | -38.48       | ≤-27        | PASS    |
| 11AC20S<br>ISO | Ant1    | Low    | 5745           | 5650~5700       | -37.25       | ≤8.36       | PASS    |
|                |         |        |                | 5700~5720       | -30.15       | ≤15.30      | PASS    |
|                |         |        |                | 5720~5725       | -26.72       | ≤22.37      | PASS    |
|                |         |        |                | 5760~5650       | -40.9        | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -29.06       | ≤17.95      | PASS    |
|                |         |        |                | 5855~5875       | -31.35       | ≤10.10      | PASS    |
|                |         |        |                | 5875~5925       | -38.51       | ≤-24.46     | PASS    |
|                |         |        |                | 5925~5935       | -39.04       | ≤-27        | PASS    |
| 11AC40S<br>ISO | Ant1    | Low    | 5755           | 5650~5700       | -35.42       | ≤7.26       | PASS    |
|                |         |        |                | 5700~5720       | -28.18       | ≤14.79      | PASS    |
|                |         |        |                | 5720~5725       | -26.93       | ≤24.05      | PASS    |

|                |      |      |      |           |        |               |      |
|----------------|------|------|------|-----------|--------|---------------|------|
|                |      | High | 5795 | 5780~5650 | -40.71 | $\leq -27$    | PASS |
|                |      |      |      | 5850~5855 | -34.9  | $\leq 16.03$  | PASS |
|                |      |      |      | 5855~5875 | -36.26 | $\leq 10.82$  | PASS |
|                |      |      |      | 5875~5925 | -37.31 | $\leq -18.01$ | PASS |
|                |      |      |      | 5925~5935 | -39.36 | $\leq -27$    | PASS |
| 11AC80S<br>ISO | Ant1 | Low  | 5775 | 5650~5700 | -35.43 | $\leq 9.79$   | PASS |
|                |      |      |      | 5700~5720 | -28.46 | $\leq 13.96$  | PASS |
|                |      |      |      | 5720~5725 | -29.39 | $\leq 22.36$  | PASS |
|                |      |      |      | 5800~5650 | -39.23 | $\leq -27$    | PASS |
|                |      | High | 5775 | 5850~5855 | -27.84 | $\leq 20.01$  | PASS |
|                |      |      |      | 5855~5875 | -27.37 | $\leq 10.38$  | PASS |
|                |      |      |      | 5875~5925 | -32.12 | $\leq -26.41$ | PASS |
|                |      |      |      | 5925~5935 | -38.08 | $\leq -27$    | 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 G.7: Conducted Spurious Emission

### Test Result

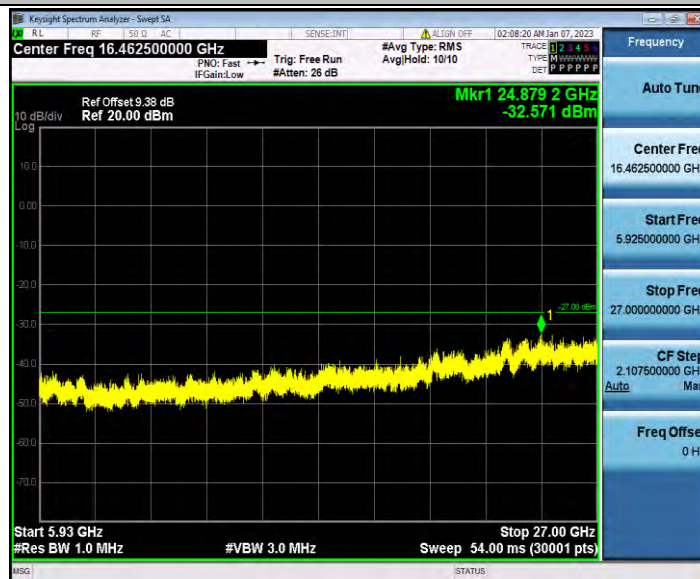
| TestMode   | Antenna | Frequency[MHz] | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5745           | 30~5650         | 2705.12        | -41.15           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24879.15       | -32.57           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 5415.83        | -40.4            | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 25016.14       | -32.16           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 5444.12        | -39.72           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26525.81       | -31.98           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 30~5650         | 3280.61        | -41              | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 25219.87       | -32.77           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 5512.31        | -40.38           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24952.21       | -32.61           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 3181.13        | -39.62           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24266.57       | -32.05           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 30~5650         | 4927.64        | -40.91           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24337.53       | -32.26           | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 5471.28        | -40.84           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26837.02       | -31.47           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 30~5650         | 5526.17        | -43.36           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24326.99       | -33.05           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 3308.71        | -40.63           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 25127.14       | -31.9            | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 5487.77        | -40.98           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 23559.86       | -33.02           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 30~5650         | 3052.25        | -41.05           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24962.05       | -33.34           | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 2609.58        | -41.2            | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26876.36       | -32.63           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 30~5650         | 4786.77        | -40.86           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 25032.3        | -33.1            | ≤-27        | PASS    |

## Test Graphs

11A\_Ant1\_5745\_30~5650



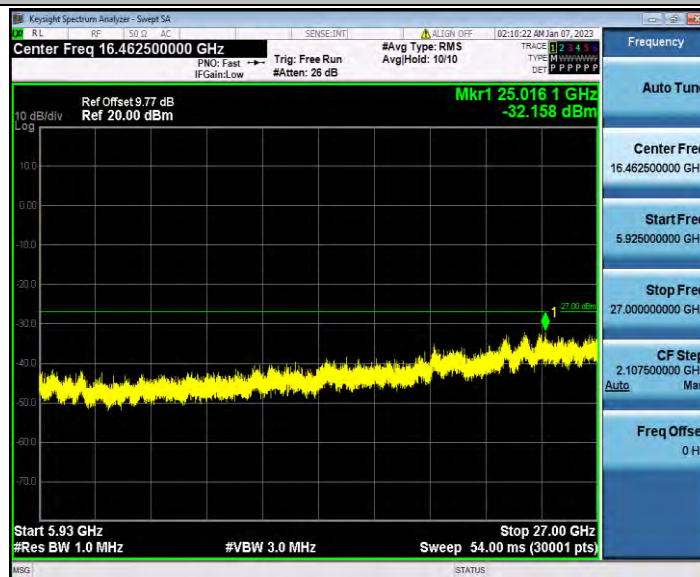
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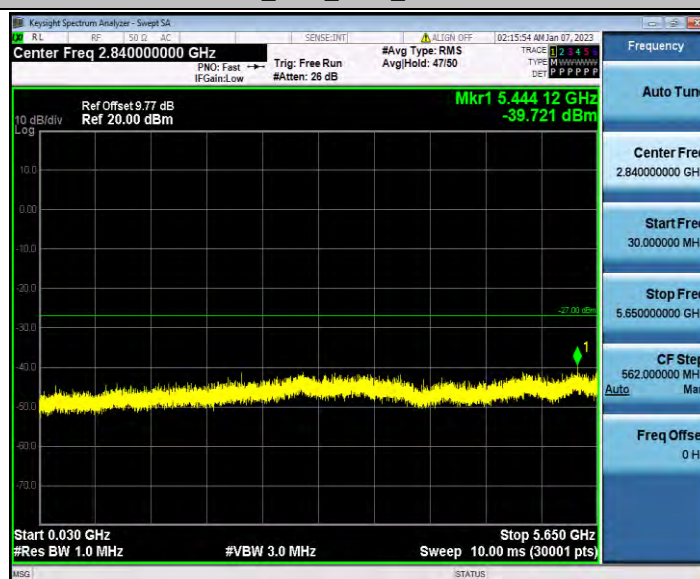
11A\_Ant1\_5785\_30~5650



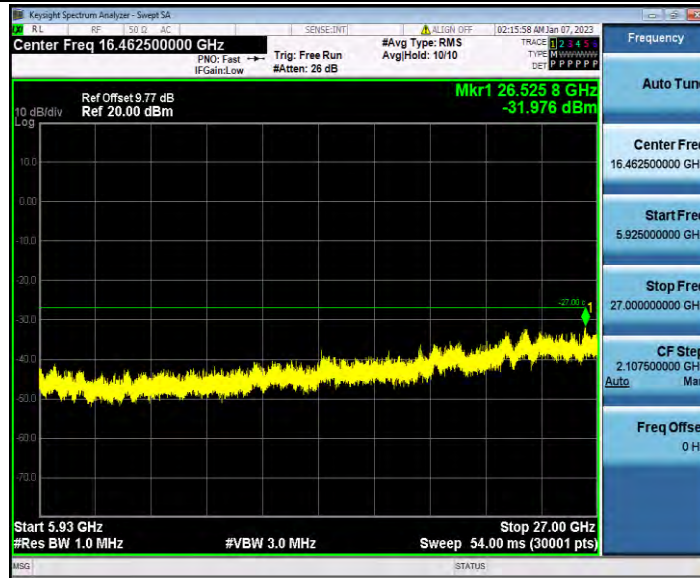
11A\_Ant1\_5785\_5925~40000



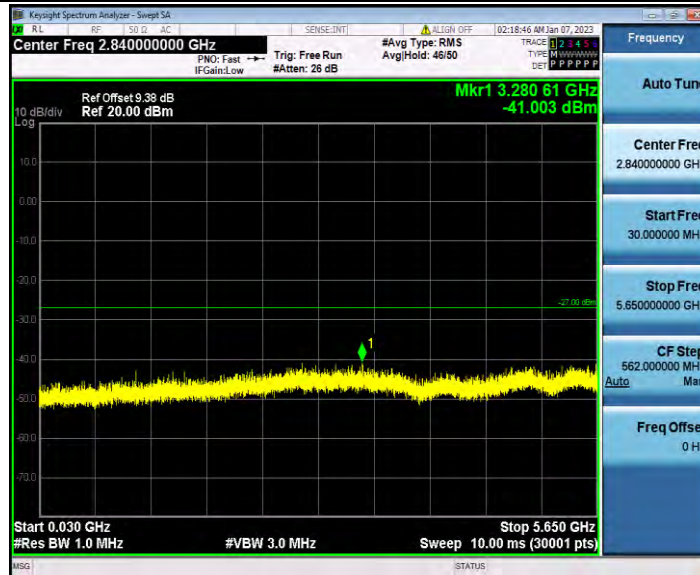
11A\_Ant1\_5825\_30~5650



# 11A\_Ant1\_5825\_5925~40000



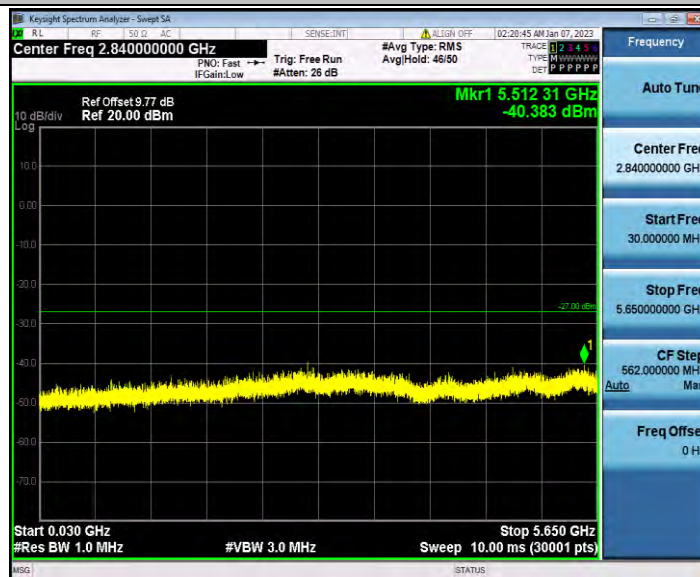
# 11N20SISO\_Ant1\_5745\_30~5650



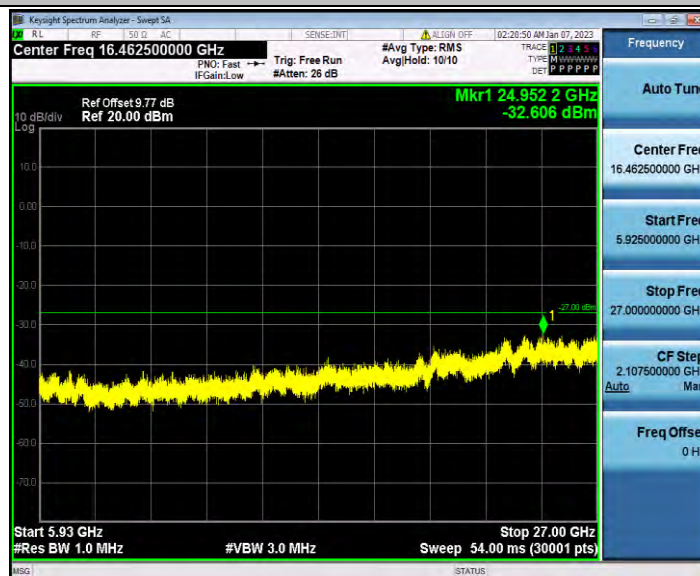
# 11N20SISO\_Ant1\_5745\_5925~40000



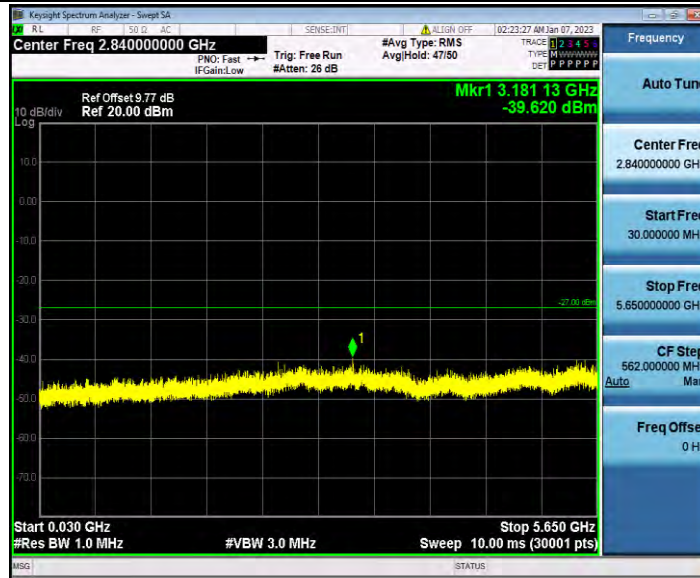
11N20SISO\_Ant1\_5785\_30~5650



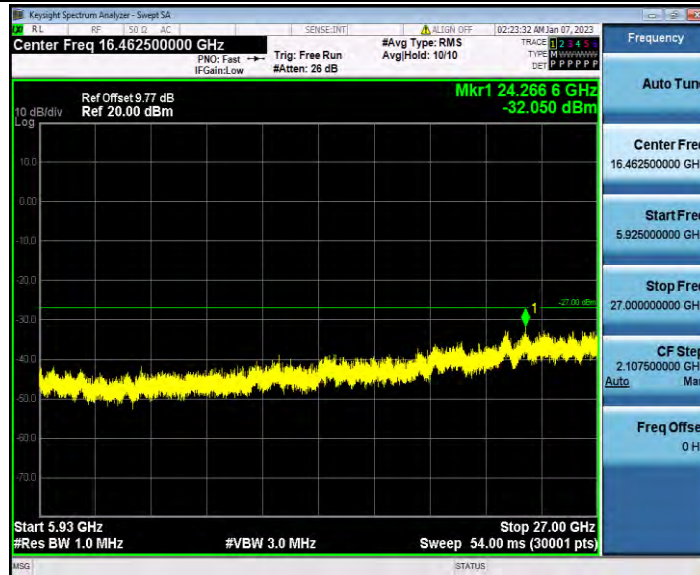
11N20SISO\_Ant1\_5785\_5925~40000



# 11N20SISO\_Ant1\_5825\_30~5650



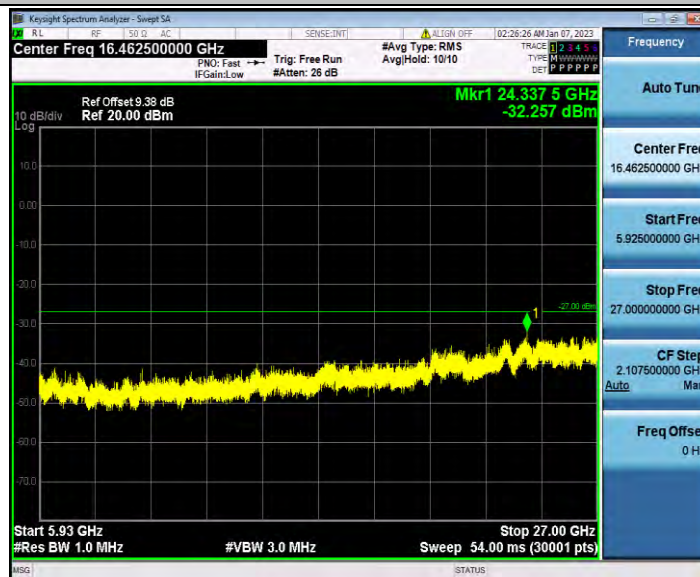
# 11N20SISO\_Ant1\_5825\_5925~40000



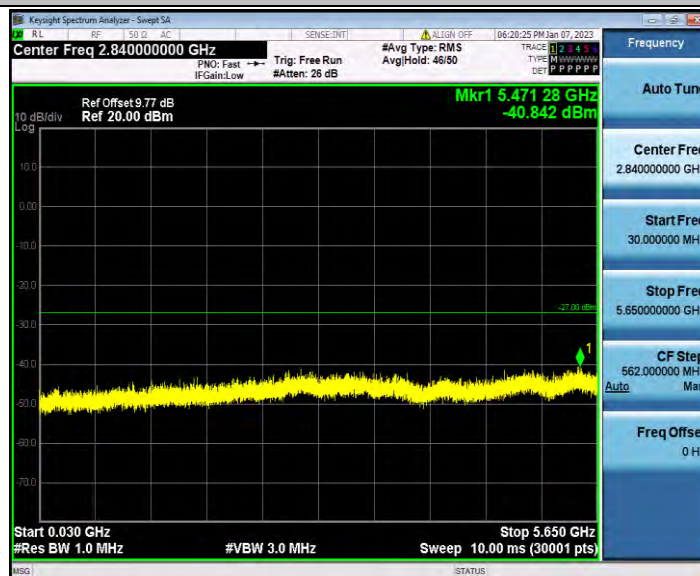
# 11N40SISO\_Ant1\_5755\_30~5650



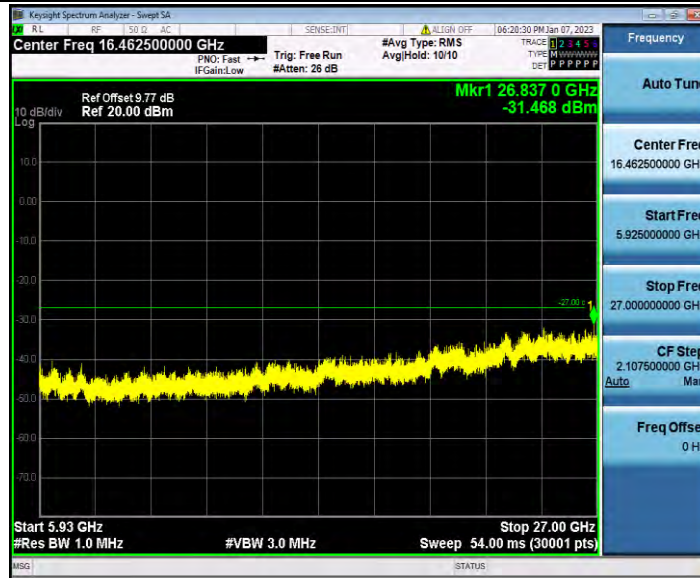
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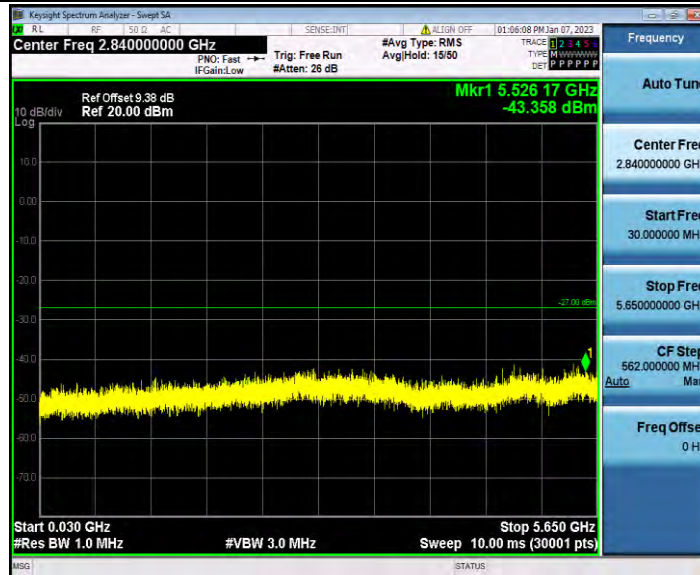
11N40SISO\_Ant1\_5795\_30~5650



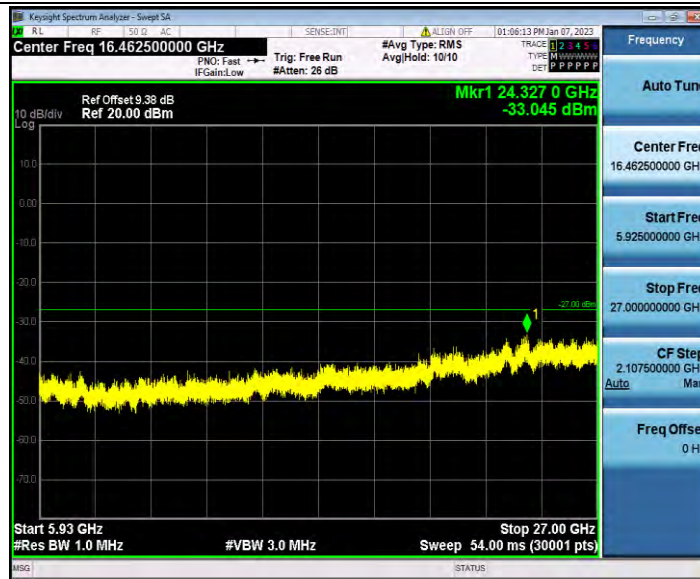
# 11N40SISO\_Ant1\_5795\_5925~40000



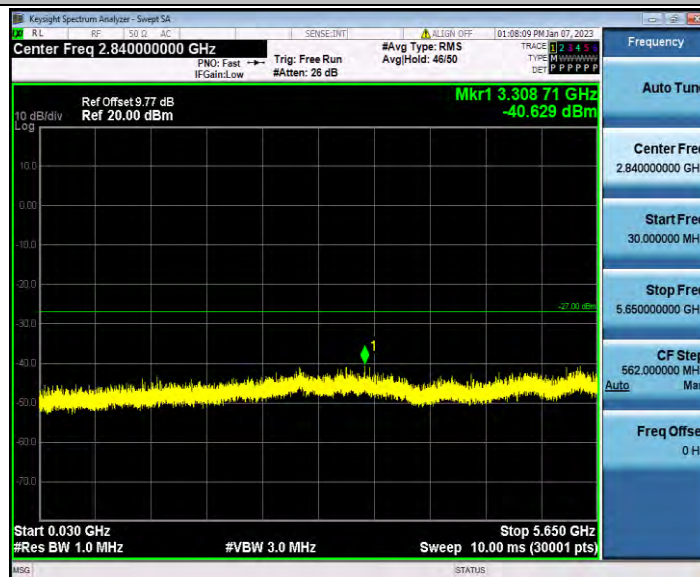
# 11AC20SISO\_Ant1\_5745\_30~5650



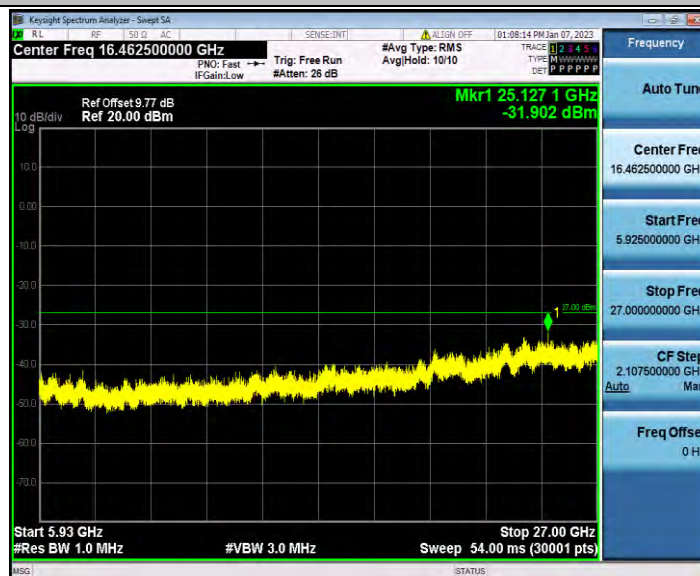
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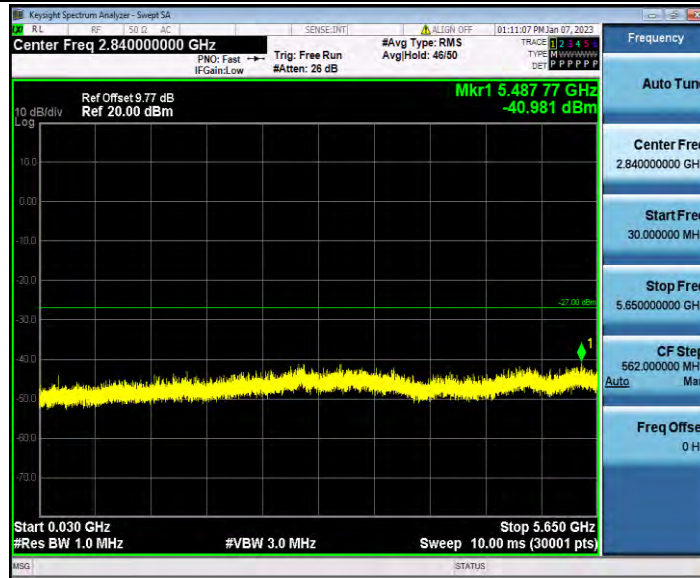
11AC20SISO\_Ant1\_5785\_30~5650



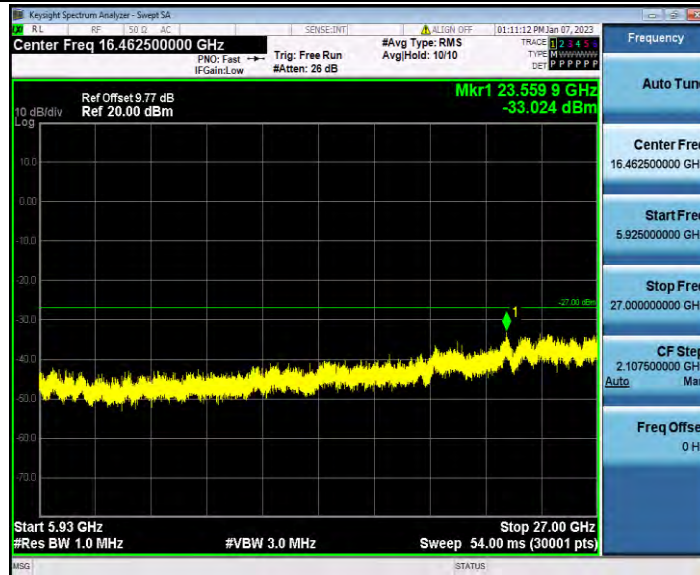
11AC20SISO\_Ant1\_5785\_5925~40000



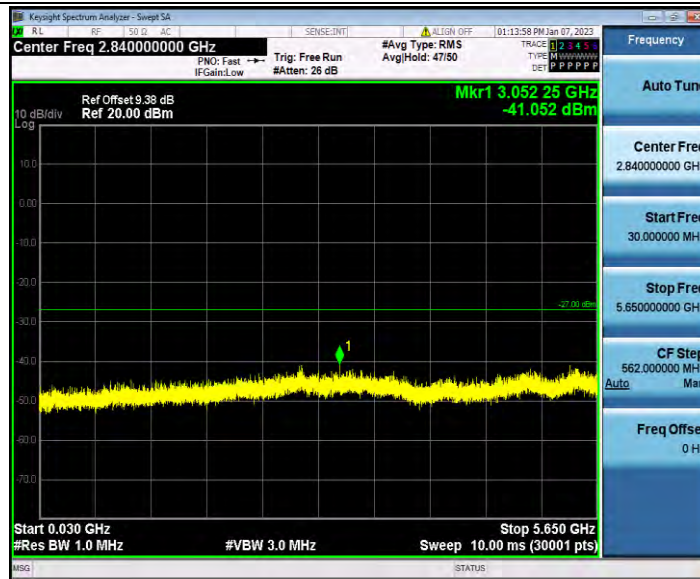
# 11AC20SISO\_Ant1\_5825\_30~5650



# 11AC20SISO\_Ant1\_5825\_5925~40000



# 11AC40SISO\_Ant1\_5755\_30~5650



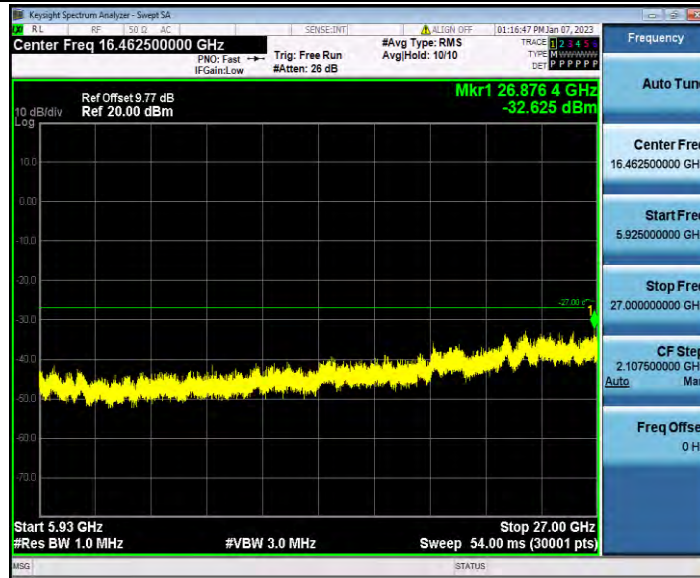
11AC40SISO\_Ant1\_5755\_5925~40000



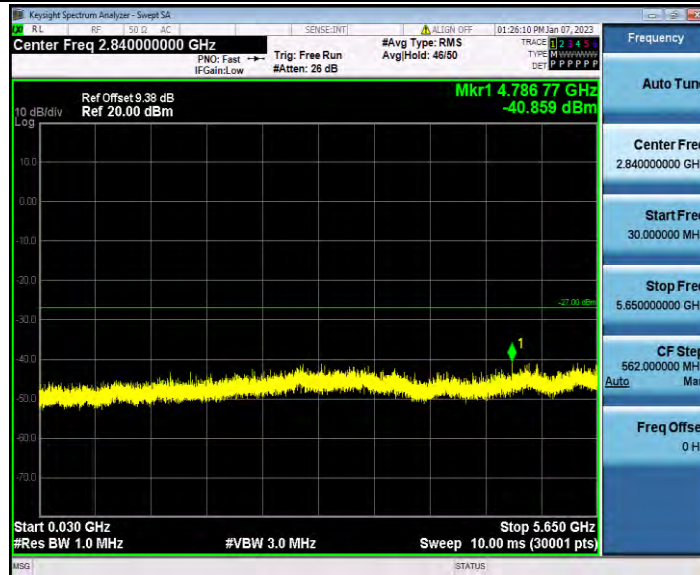
11AC40SISO\_Ant1\_5795\_30~5650



# 11AC40SISO\_Ant1\_5795\_5925~40000



# 11AC80SISO\_Ant1\_5775\_30~5650



# 11AC80SISO\_Ant1\_5775\_5925~40000

