

|                                                  |                           |
|--------------------------------------------------|---------------------------|
| Case No. : GTS20220909003-2-3                    |                           |
| Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa, |                           |
| Test Date: 2022.12.1                             | Test Engineer: Jenny zeng |

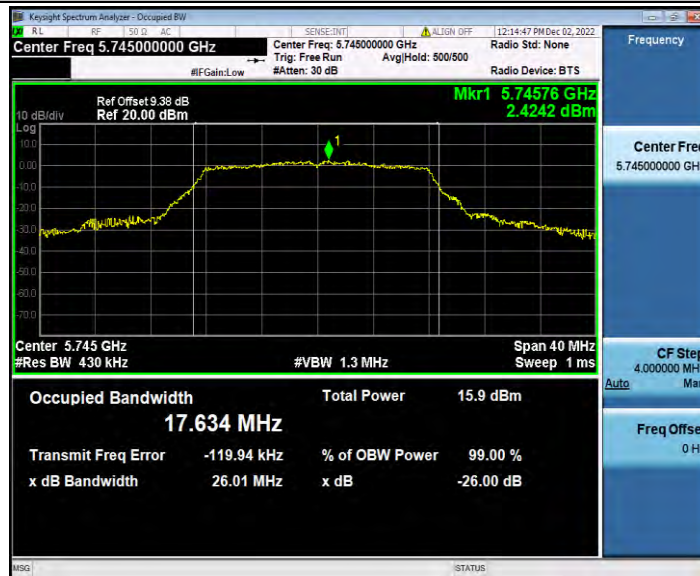
## Appendix D.1: Occupied channel bandwidth

### Test Result

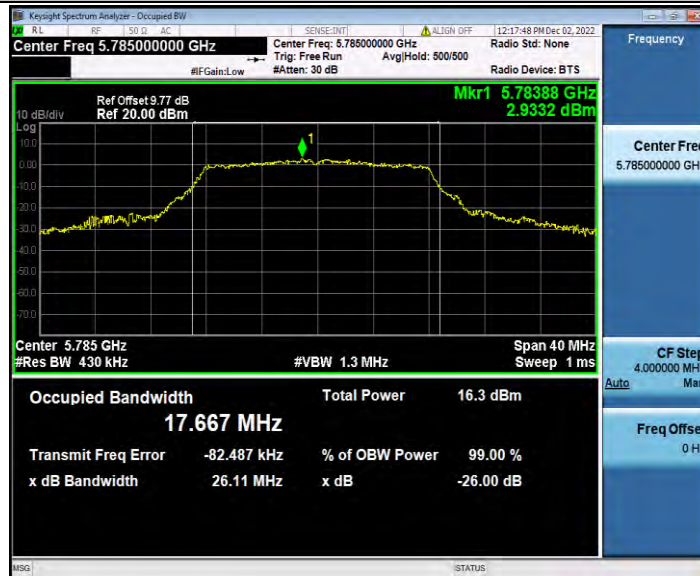
| TestMode   | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 17.634    | 5736.063 | 5753.697 | ---        | ---     |
|            |         | 5785           | 17.667    | 5776.084 | 5793.751 | ---        | ---     |
|            |         | 5825           | 17.765    | 5815.999 | 5833.764 | ---        | ---     |
| 11N20SISO  | Ant1    | 5745           | 18.565    | 5735.688 | 5754.253 | ---        | ---     |
|            |         | 5785           | 18.599    | 5775.637 | 5794.236 | ---        | ---     |
|            |         | 5825           | 18.608    | 5815.638 | 5834.246 | ---        | ---     |
| 11N40SISO  | Ant1    | 5755           | 36.826    | 5736.655 | 5773.481 | ---        | ---     |
|            |         | 5795           | 36.849    | 5776.681 | 5813.530 | ---        | ---     |
| 11AC20SISO | Ant1    | 5745           | 18.501    | 5735.710 | 5754.211 | ---        | ---     |
|            |         | 5785           | 18.532    | 5775.699 | 5794.231 | ---        | ---     |
|            |         | 5825           | 18.577    | 5815.670 | 5834.247 | ---        | ---     |
| 11AC40SISO | Ant1    | 5755           | 36.847    | 5736.582 | 5773.429 | ---        | ---     |
|            |         | 5795           | 36.784    | 5776.633 | 5813.417 | ---        | ---     |
| 11AC80SISO | Ant1    | 5775           | 75.936    | 5737.196 | 5813.132 | ---        | ---     |

## Test Graphs

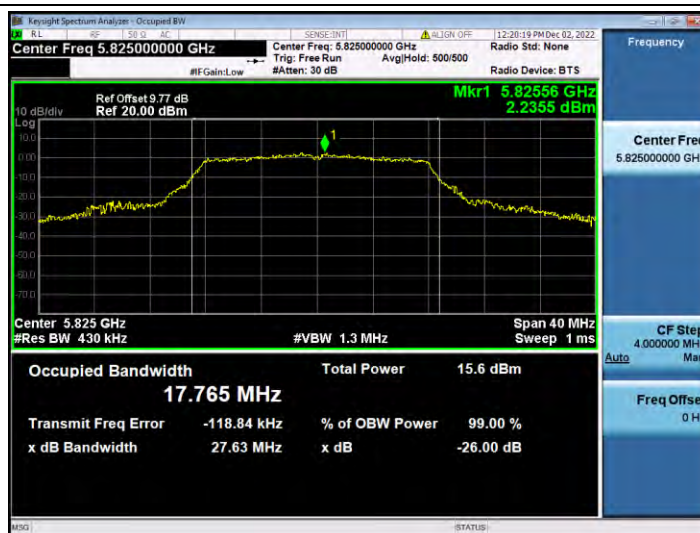
11A\_Ant1\_5745



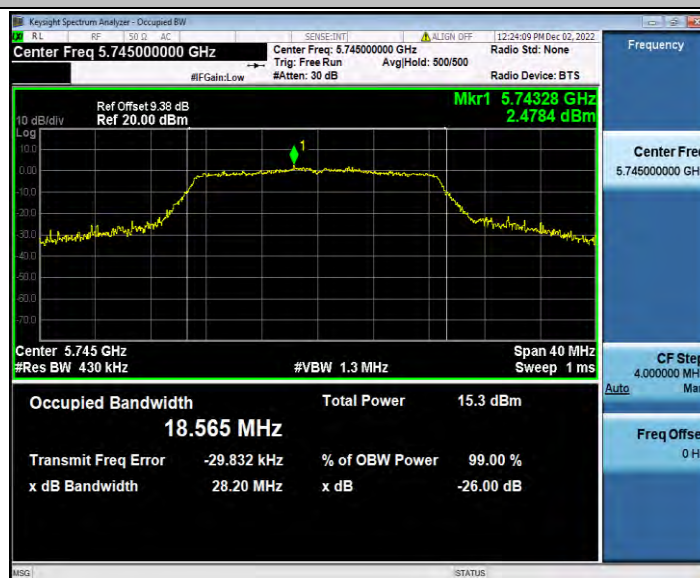
11A\_Ant1\_5785



11A\_Ant1\_5825



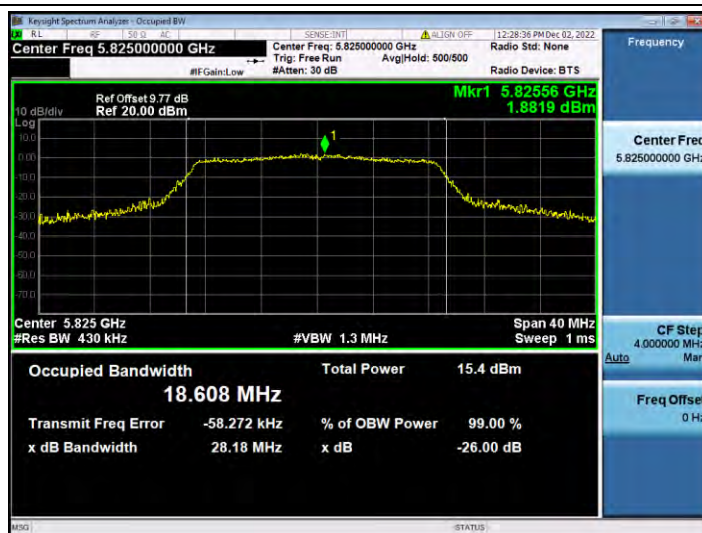
11N20SISO\_Ant1\_5745



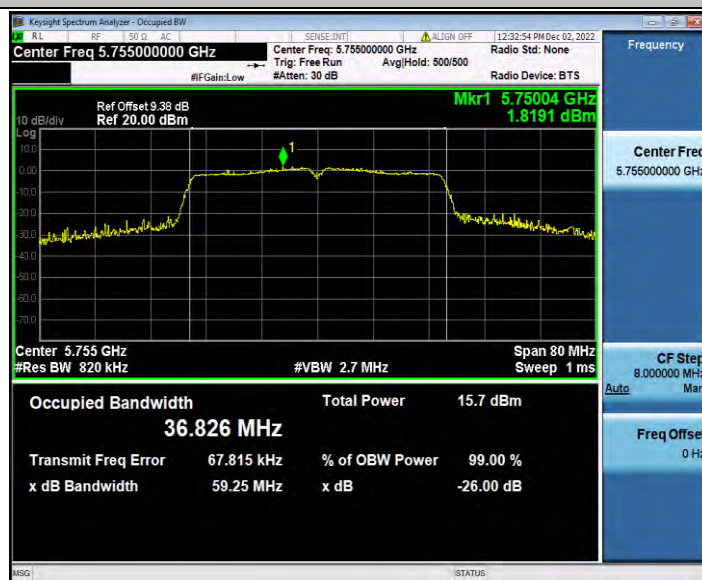
11N20SISO\_Ant1\_5785



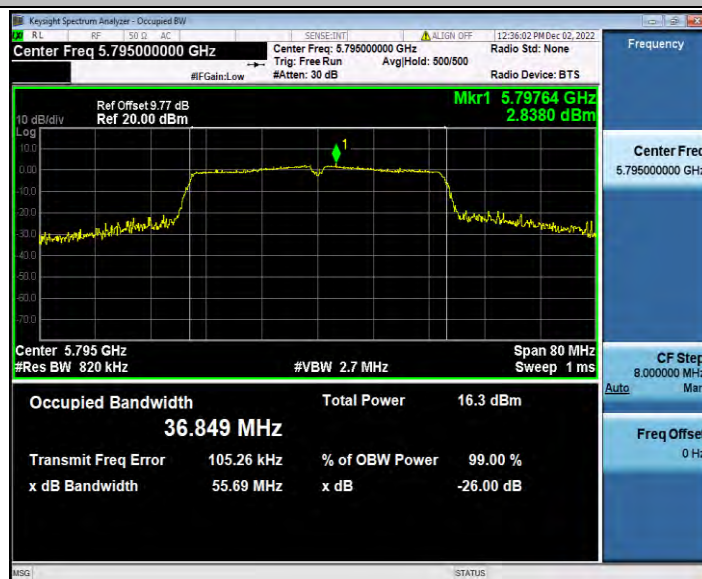
11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



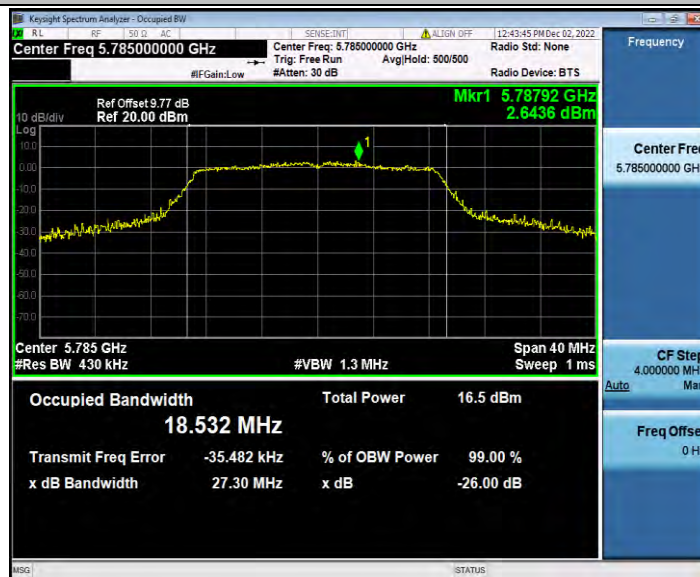
11N40SISO\_Ant1\_5795



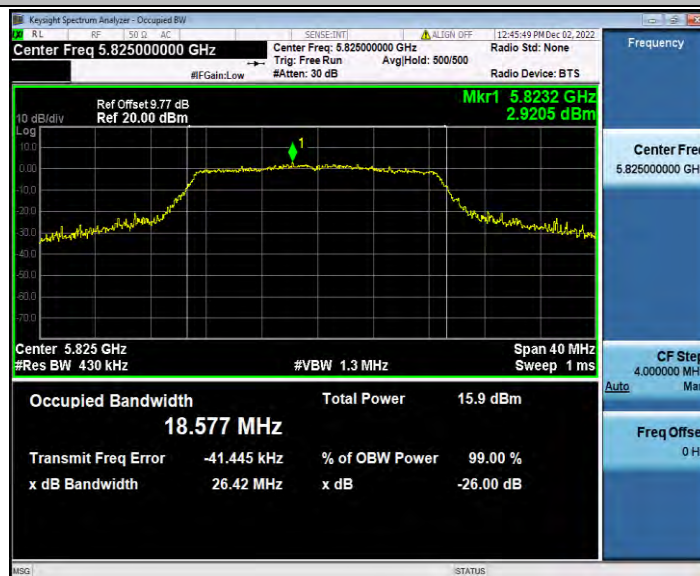
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



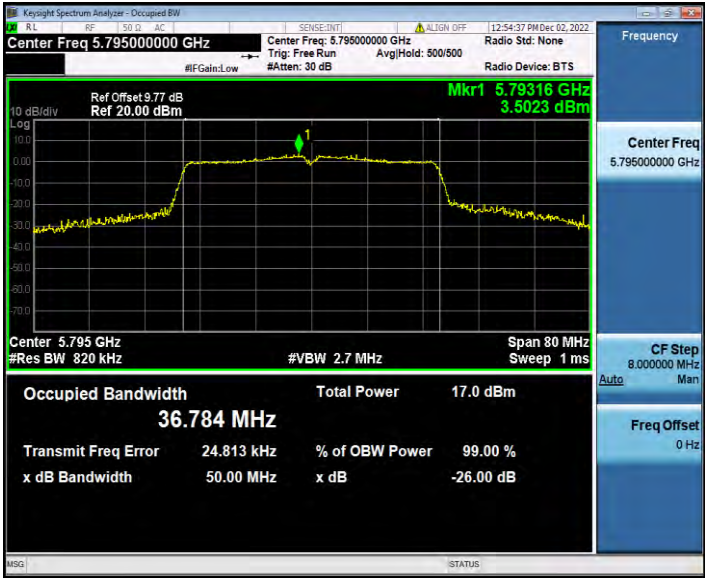
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix D.2: Min emission bandwidth

### Test Result B4

| TestMode   | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|---------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 16.320        | 5736.800 | 5753.120 | 0.5        | PASS    |
|            |         | 5785           | 16.320        | 5776.760 | 5793.080 | 0.5        | PASS    |
|            |         | 5825           | 16.280        | 5816.760 | 5833.040 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 17.320        | 5736.400 | 5753.720 | 0.5        | PASS    |
|            |         | 5785           | 17.520        | 5776.160 | 5793.680 | 0.5        | PASS    |
|            |         | 5825           | 16.800        | 5816.520 | 5833.320 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 35.520        | 5737.320 | 5772.840 | 0.5        | PASS    |
|            |         | 5795           | 35.680        | 5777.160 | 5812.840 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 16.480        | 5736.600 | 5753.080 | 0.5        | PASS    |
|            |         | 5785           | 17.280        | 5776.160 | 5793.440 | 0.5        | PASS    |
|            |         | 5825           | 17.160        | 5816.160 | 5833.320 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 35.600        | 5737.080 | 5772.680 | 0.5        | PASS    |
|            |         | 5795           | 35.680        | 5777.160 | 5812.840 | 0.5        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 75.040        | 5737.400 | 5812.440 | 0.5        | PASS    |

## Test Graphs B4

11A\_Ant1\_5745



11A\_Ant1\_5785



11A\_Ant1\_5825



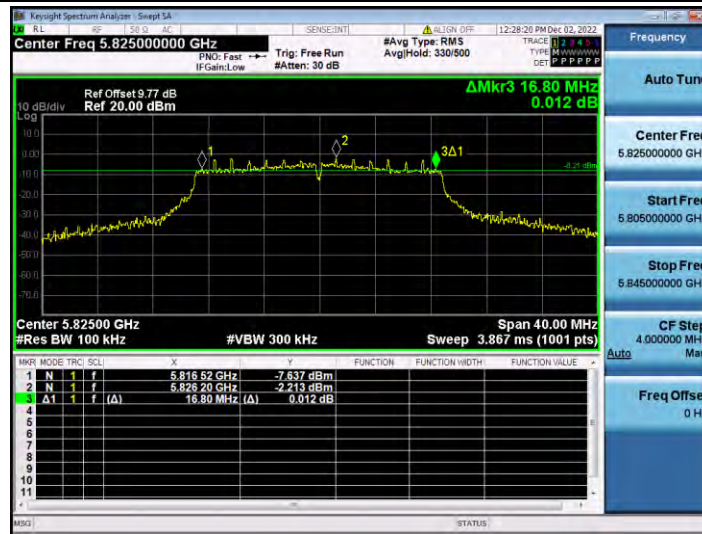
11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



# 11N20SISO\_Ant1\_5825



# 11N40SISO\_Ant1\_5755



# 11N40SISO\_Ant1\_5795



## 11AC20SISO\_Ant1\_5745



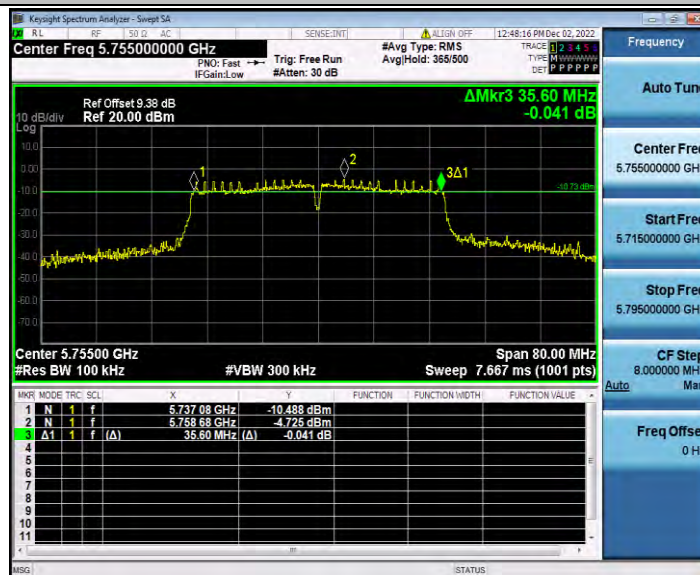
## 11AC20SISO\_Ant1\_5785



## 11AC20SISO\_Ant1\_5825



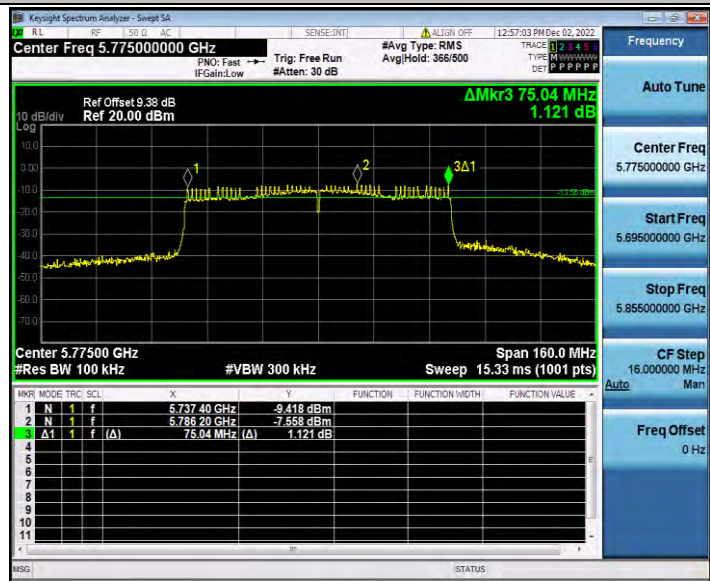
11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



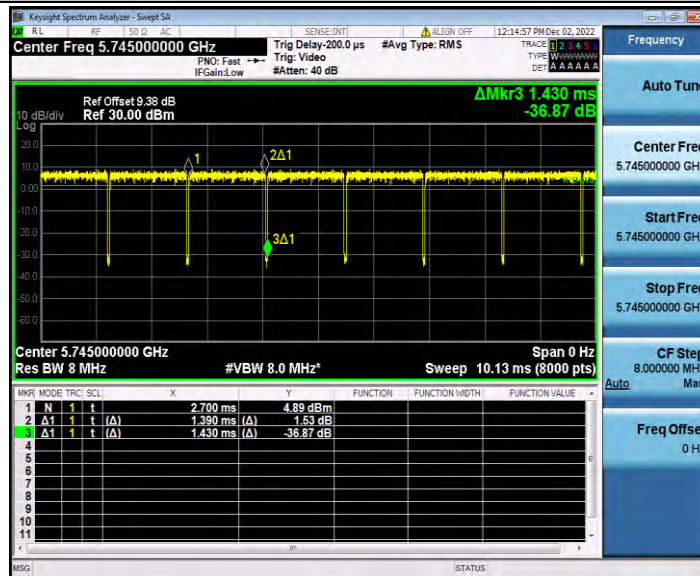
## Appendix D.3: Duty Cycle

### Test Result

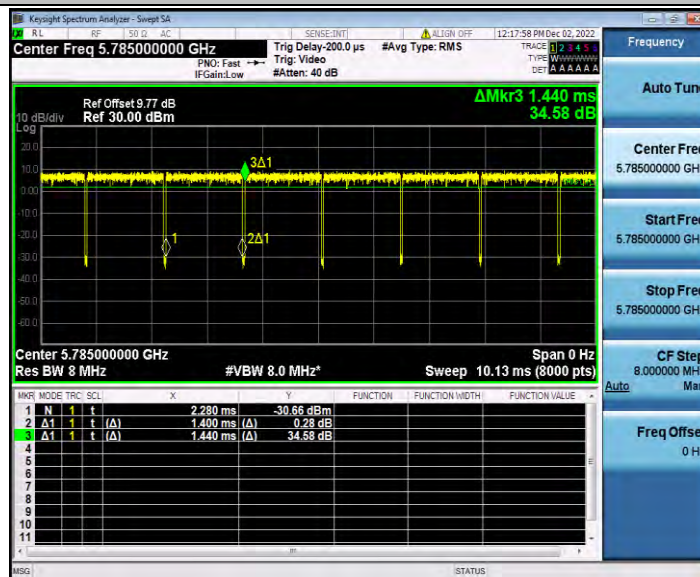
| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5745           | 1.39                       | 1.43                     | 97.20          |
|            |         | 5785           | 1.40                       | 1.44                     | 97.22          |
|            |         | 5825           | 1.39                       | 1.44                     | 96.53          |
| 11N20SISO  | Ant1    | 5745           | 1.31                       | 1.35                     | 97.04          |
|            |         | 5785           | 1.30                       | 1.34                     | 97.01          |
|            |         | 5825           | 1.30                       | 1.35                     | 96.30          |
| 11N40SISO  | Ant1    | 5755           | 0.65                       | 0.69                     | 94.20          |
|            |         | 5795           | 0.64                       | 0.68                     | 94.12          |
| 11AC20SISO | Ant1    | 5745           | 1.31                       | 1.36                     | 96.32          |
|            |         | 5785           | 1.32                       | 1.36                     | 97.06          |
|            |         | 5825           | 1.31                       | 1.36                     | 96.32          |
| 11AC40SISO | Ant1    | 5755           | 0.65                       | 0.69                     | 94.20          |
|            |         | 5795           | 0.65                       | 0.69                     | 94.20          |
| 11AC80SISO | Ant1    | 5775           | 0.32                       | 0.36                     | 88.89          |

## Test Graphs

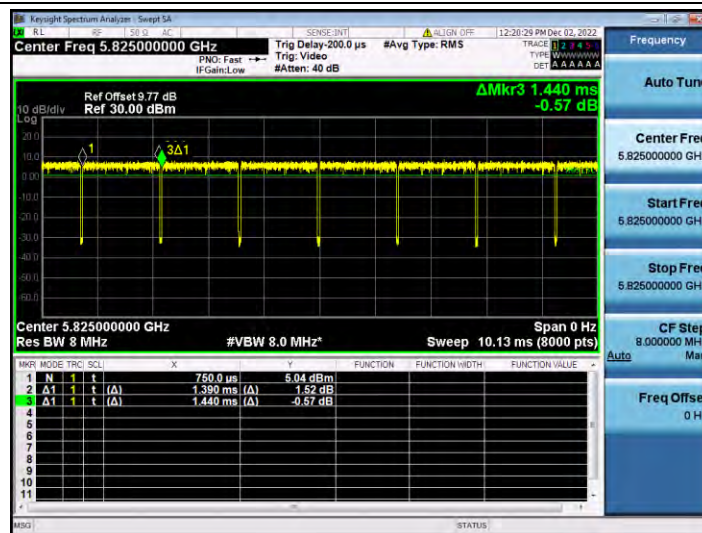
11A\_Ant1\_5745



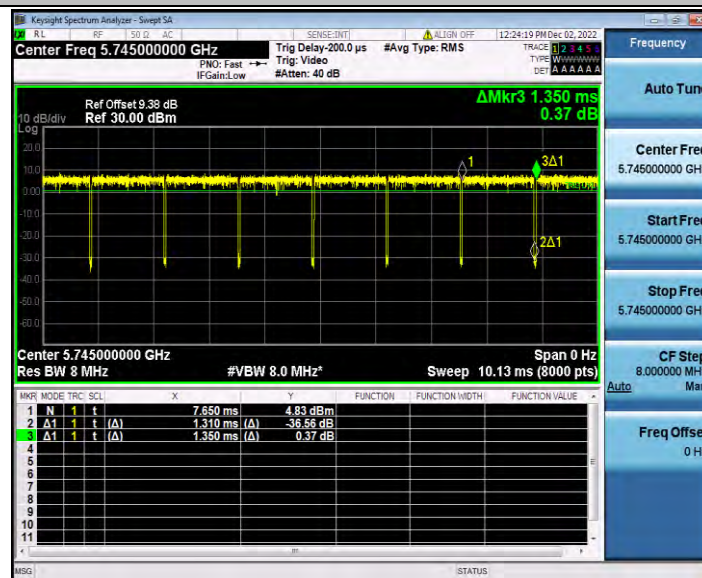
11A\_Ant1\_5785



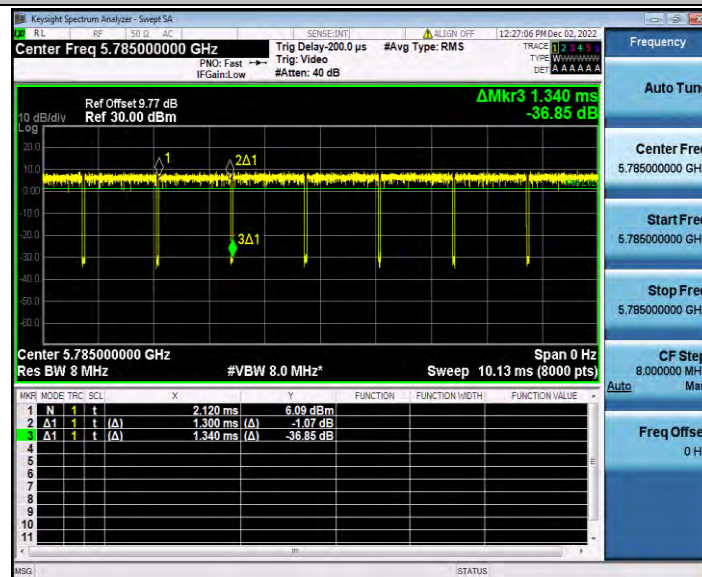
11A\_Ant1\_5825



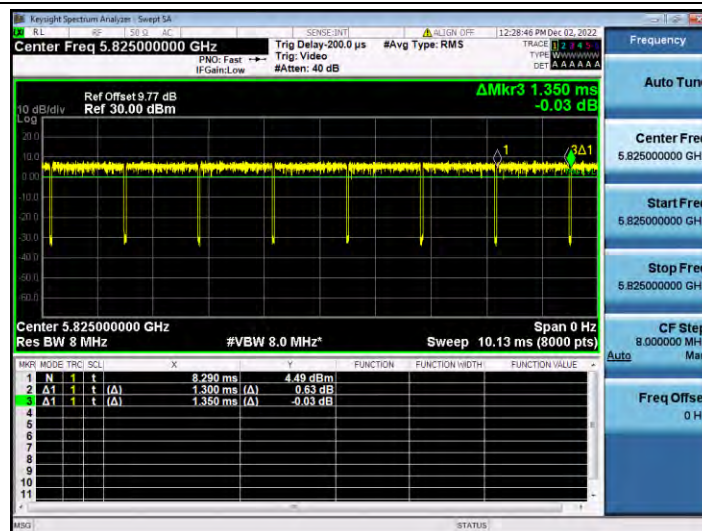
11N20SISO\_Ant1\_5745



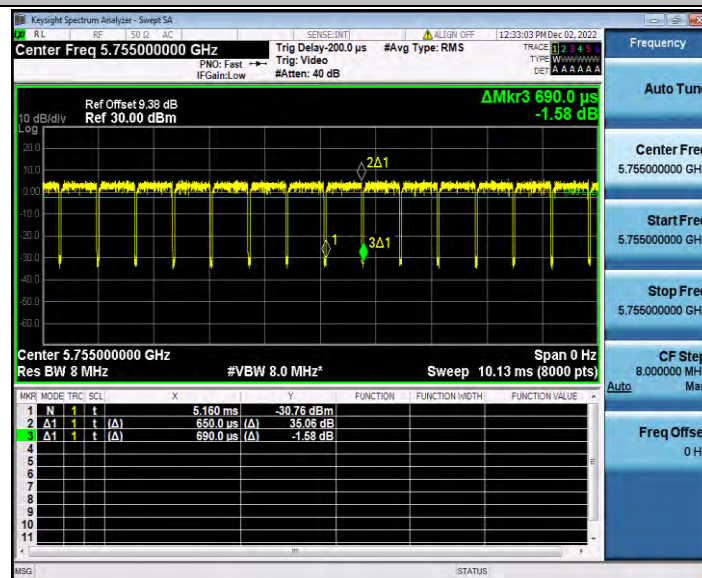
11N20SISO\_Ant1\_5785



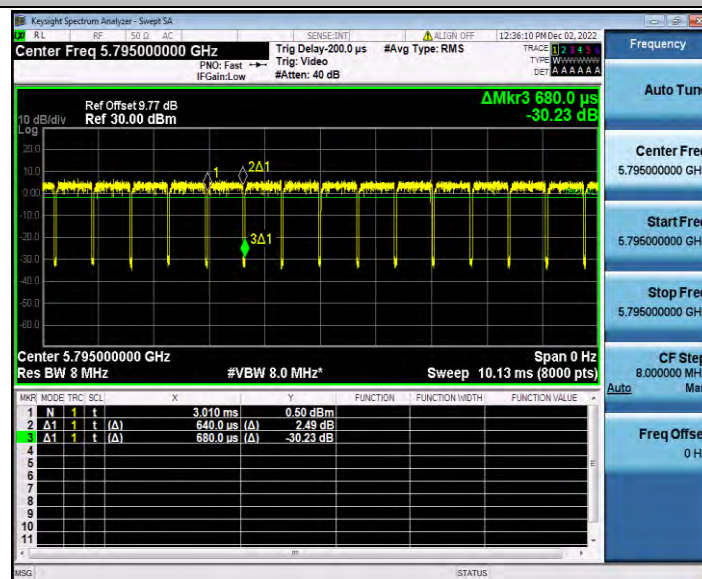
11N20SISO\_Ant1\_5825



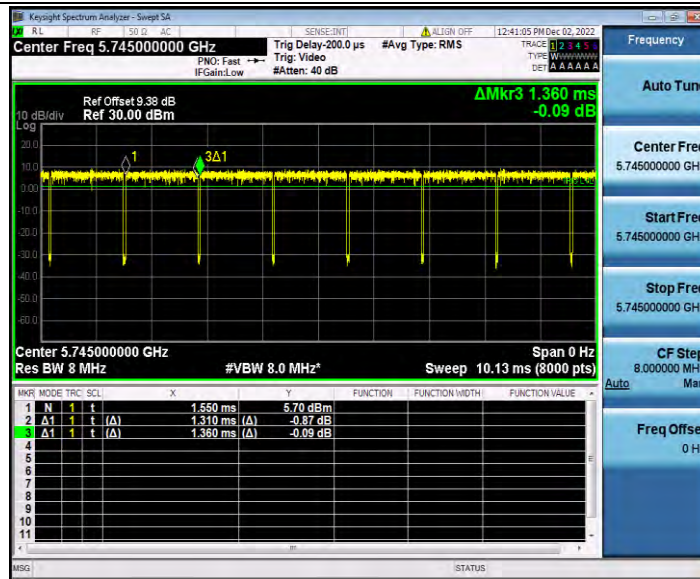
11N40SISO\_Ant1\_5755



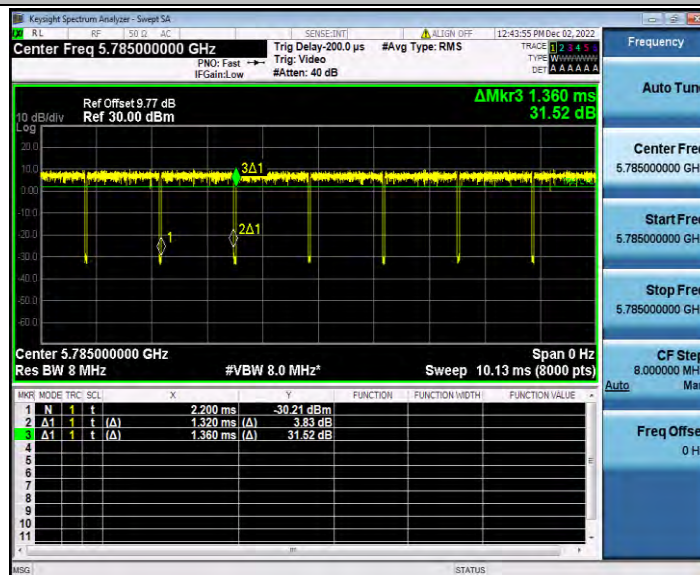
11N40SISO\_Ant1\_5795



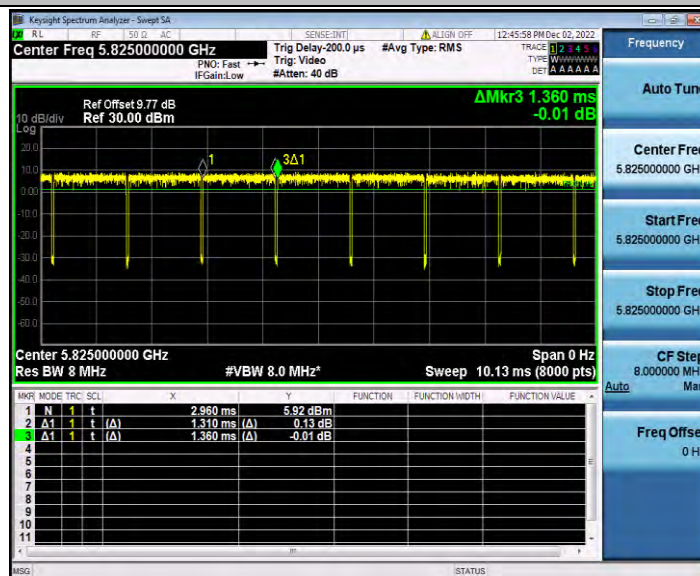
11AC20SISO\_Ant1\_5745



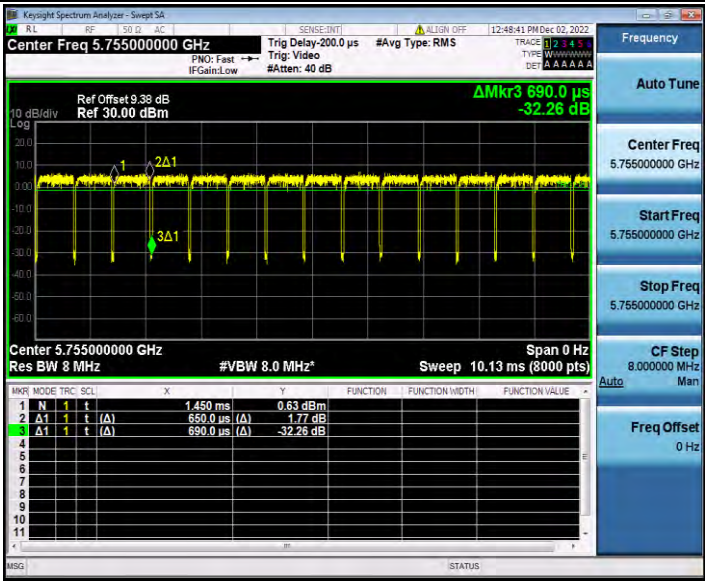
11AC20SISO\_Ant1\_5785



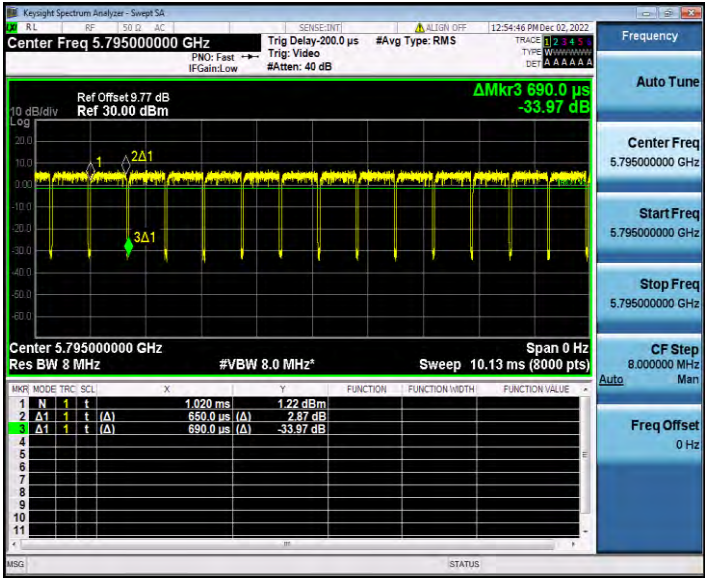
11AC20SISO\_Ant1\_5825



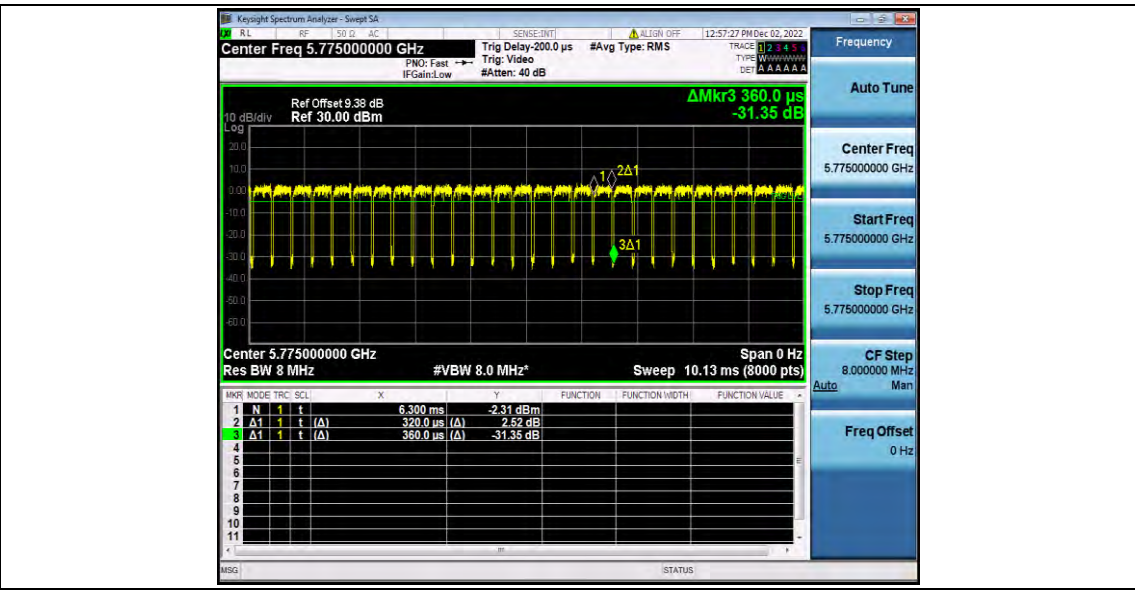
11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix D.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            | 9.07                | 97.20          | 0.12            | 9.19         | ≤30.00      | PASS    |
|            |         | 5785            | 9.43                | 97.22          | 0.12            | 9.55         | ≤30.00      | PASS    |
|            |         | 5825            | 8.71                | 96.53          | 0.15            | 8.86         | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 5745            | 8.30                | 97.04          | 0.13            | 8.43         | ≤30.00      | PASS    |
|            |         | 5785            | 9.02                | 97.01          | 0.13            | 9.15         | ≤30.00      | PASS    |
|            |         | 5825            | 8.42                | 96.30          | 0.16            | 8.58         | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 5755            | 8.11                | 94.20          | 0.26            | 8.37         | ≤30.00      | PASS    |
|            |         | 5795            | 8.76                | 94.12          | 0.26            | 9.02         | ≤30.00      | PASS    |
| 11AC20SISO | Ant1    | 5745            | 9.01                | 96.32          | 0.16            | 9.17         | ≤30.00      | PASS    |
|            |         | 5785            | 9.53                | 97.06          | 0.13            | 9.66         | ≤30.00      | PASS    |
|            |         | 5825            | 8.87                | 96.32          | 0.16            | 9.03         | ≤30.00      | PASS    |
| 11AC40SISO | Ant1    | 5755            | 8.74                | 94.20          | 0.26            | 9.00         | ≤30.00      | PASS    |
|            |         | 5795            | 9.39                | 94.20          | 0.26            | 9.65         | ≤30.00      | PASS    |
| 11AC80SISO | Ant1    | 5775            | 8.78                | 88.89          | 0.51            | 9.29         | ≤30.00      | PASS    |

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

## Appendix D.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5745           | 2.52             | ≤30.00         | PASS    |
|            |         | 5785           | 2.86             | ≤30.00         | PASS    |
|            |         | 5825           | 2.12             | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5745           | 1.06             | ≤30.00         | PASS    |
|            |         | 5785           | 2.45             | ≤30.00         | PASS    |
|            |         | 5825           | 1.55             | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5755           | -1.57            | ≤30.00         | PASS    |
|            |         | 5795           | -0.2             | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5745           | 2.18             | ≤30.00         | PASS    |
|            |         | 5785           | 3.14             | ≤30.00         | PASS    |
|            |         | 5825           | 2.5              | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5755           | -1.12            | ≤30.00         | PASS    |
|            |         | 5795           | -0.02            | ≤30.00         | PASS    |
| 11AC80SISO | Ant1    | 5775           | -3.63            | ≤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



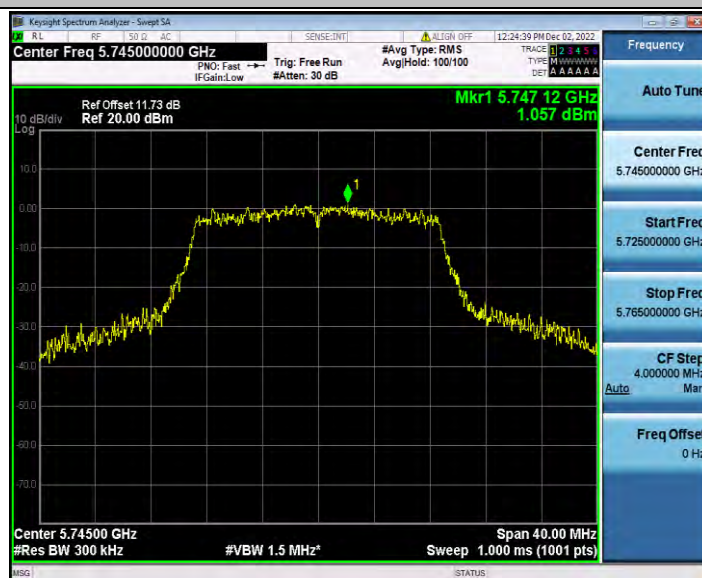
11A\_Ant1\_5785



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 D.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       | -38.28       | ≤7.85       | PASS    |
|                |         |        |                | 5700~5720       | -28.16       | ≤14.69      | PASS    |
|                |         |        |                | 5720~5725       | -23.76       | ≤21.85      | PASS    |
|                |         |        |                | 5760~5650       | -40.29       | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -33.07       | ≤16.41      | PASS    |
|                |         |        |                | 5855~5875       | -35.32       | ≤10.25      | PASS    |
|                |         |        |                | 5875~5925       | -39.1        | ≤-21.46     | PASS    |
|                |         |        |                | 5925~5935       | -39.09       | ≤-27        | PASS    |
| 11N20SI<br>SO  | Ant1    | Low    | 5745           | 5650~5700       | -38.69       | ≤9.55       | PASS    |
|                |         |        |                | 5700~5720       | -33.52       | ≤15.47      | PASS    |
|                |         |        |                | 5720~5725       | -26.44       | ≤25.26      | PASS    |
|                |         |        |                | 5760~5650       | -40.85       | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -34.56       | ≤15.79      | PASS    |
|                |         |        |                | 5855~5875       | -37.47       | ≤10.14      | PASS    |
|                |         |        |                | 5875~5925       | -38.85       | ≤-12.07     | PASS    |
|                |         |        |                | 5925~5935       | -39.55       | ≤-27        | PASS    |
| 11N40SI<br>SO  | Ant1    | Low    | 5755           | 5650~5700       | -37.25       | ≤4.76       | PASS    |
|                |         |        |                | 5700~5720       | -27.16       | ≤15.31      | PASS    |
|                |         |        |                | 5720~5725       | -24.27       | ≤26.51      | PASS    |
|                |         |        |                | 5780~5650       | -40.2        | ≤-27        | PASS    |
|                |         | High   | 5795           | 5850~5855       | -38.06       | ≤20.17      | PASS    |
|                |         |        |                | 5855~5875       | -38.75       | ≤14.71      | PASS    |
|                |         |        |                | 5875~5925       | -38.34       | ≤-5.07      | PASS    |
|                |         |        |                | 5925~5935       | -39.32       | ≤-27        | PASS    |
| 11AC20S<br>ISO | Ant1    | Low    | 5745           | 5650~5700       | -38.29       | ≤8.53       | PASS    |
|                |         |        |                | 5700~5720       | -34.16       | ≤15.34      | PASS    |
|                |         |        |                | 5720~5725       | -26.96       | ≤26.57      | PASS    |
|                |         |        |                | 5760~5650       | -40.31       | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -35.24       | ≤17.64      | PASS    |
|                |         |        |                | 5855~5875       | -35.65       | ≤10.10      | PASS    |
|                |         |        |                | 5875~5925       | -38.69       | ≤-9.77      | PASS    |
|                |         |        |                | 5925~5935       | -38.3        | ≤-27        | PASS    |
| 11AC40S<br>ISO | Ant1    | Low    | 5755           | 5650~5700       | -37.17       | ≤9.16       | PASS    |
|                |         |        |                | 5700~5720       | -28          | ≤15.39      | PASS    |
|                |         |        |                | 5720~5725       | -24.77       | ≤25.89      | PASS    |

|                |      |      |      |           |        |              |      |
|----------------|------|------|------|-----------|--------|--------------|------|
|                |      | High | 5795 | 5780~5650 | -39.66 | $\leq -27$   | PASS |
|                |      |      |      | 5850~5855 | -37.17 | $\leq 16.41$ | PASS |
|                |      |      |      | 5855~5875 | -37.93 | $\leq 13.87$ | PASS |
|                |      |      |      | 5875~5925 | -37.25 | $\leq 0.79$  | PASS |
|                |      |      |      | 5925~5935 | -39.31 | $\leq -27$   | PASS |
| 11AC80S<br>ISO | Ant1 | Low  | 5775 | 5650~5700 | -32.73 | $\leq 9.45$  | PASS |
|                |      |      |      | 5700~5720 | -28.4  | $\leq 15.43$ | PASS |
|                |      |      |      | 5720~5725 | -28.09 | $\leq 17.77$ | PASS |
|                |      |      |      | 5800~5650 | -39.82 | $\leq -27$   | PASS |
|                |      | High | 5775 | 5850~5855 | -32.3  | $\leq 18.75$ | PASS |
|                |      |      |      | 5855~5875 | -33.04 | $\leq 11.68$ | PASS |
|                |      |      |      | 5875~5925 | -37.75 | $\leq 21.62$ | PASS |
|                |      |      |      | 5925~5935 | -38.31 | $\leq -27$   | 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 D.7: Conducted Spurious Emission

### Test Result

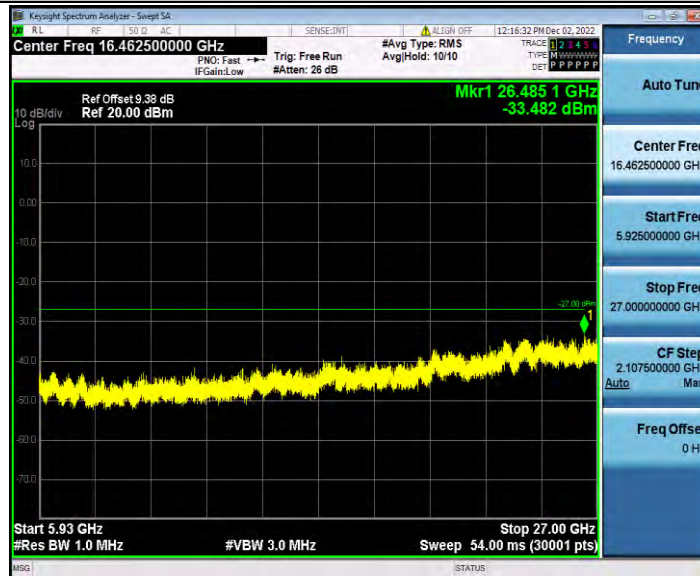
| TestMode   | Antenna | Frequency[MHz] | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5745           | 30~5650         | 5426.7         | -41.33           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26485.07       | -33.48           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 5472.97        | -39.98           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24303.81       | -32.01           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 3147.6         | -39.98           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24857.38       | -32.92           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 30~5650         | 3164.09        | -41.22           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24330.5        | -32.31           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 1737.17        | -37.67           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26789.25       | -32.64           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 5373.68        | -40.62           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24367.03       | -32.42           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 30~5650         | 5444.87        | -40.57           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 25715.13       | -33.18           | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 3507.66        | -40.59           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24823.66       | -32.55           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 30~5650         | 2641.24        | -39.8            | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26869.34       | -32.93           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 2731.72        | -40.76           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24218.8        | -31.75           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 5458.92        | -40.66           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26952.93       | -32.32           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 30~5650         | 5410.03        | -39.47           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24253.93       | -32.53           | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 5441.31        | -39.11           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26102.21       | -32.47           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 30~5650         | 2670.28        | -40.2            | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24835.6        | -32.41           | ≤-27        | PASS    |

## Test Graphs

11A\_Ant1\_5745\_30~5650



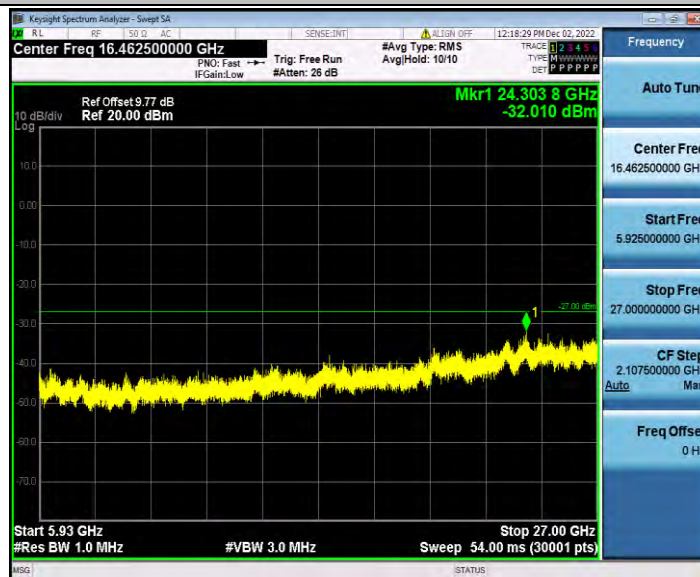
11A\_Ant1\_5745\_5925~40000



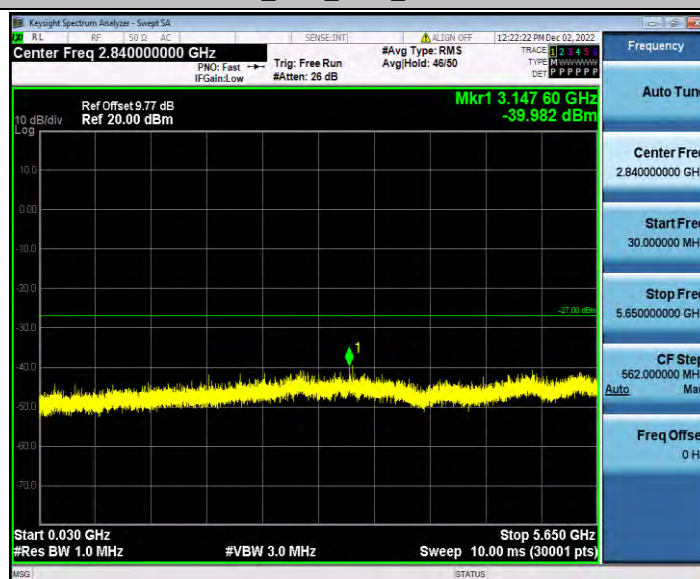
11A\_Ant1\_5785\_30~5650



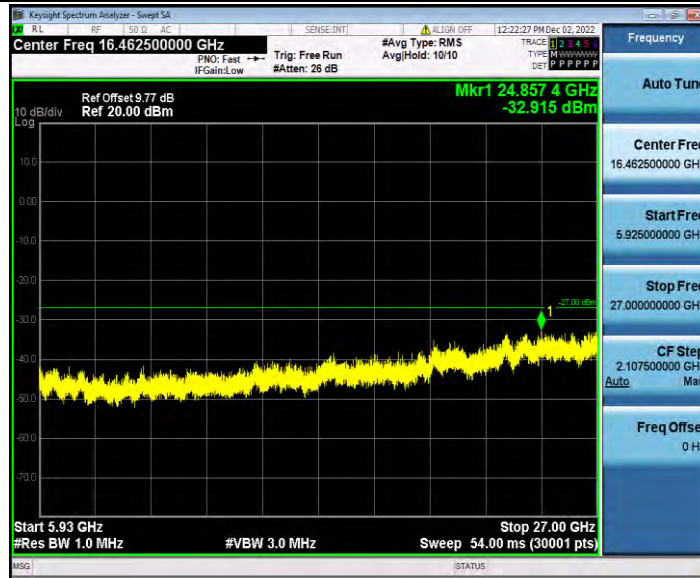
11A\_Ant1\_5785\_5925~40000



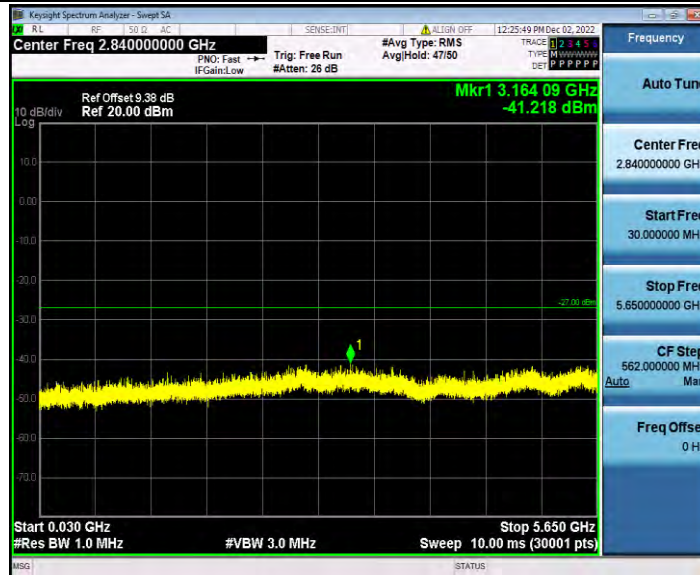
11A\_Ant1\_5825\_30~5650



# 11A\_Ant1\_5825\_5925~40000



# 11N20SISO\_Ant1\_5745\_30~5650



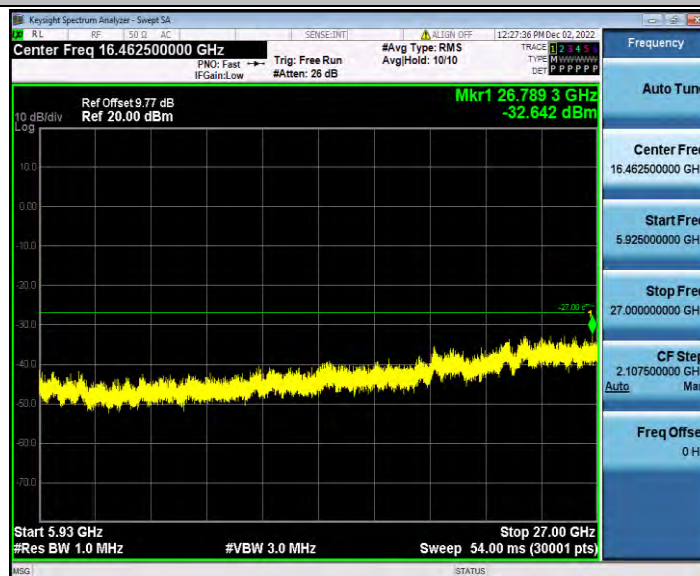
# 11N20SISO\_Ant1\_5745\_5925~40000



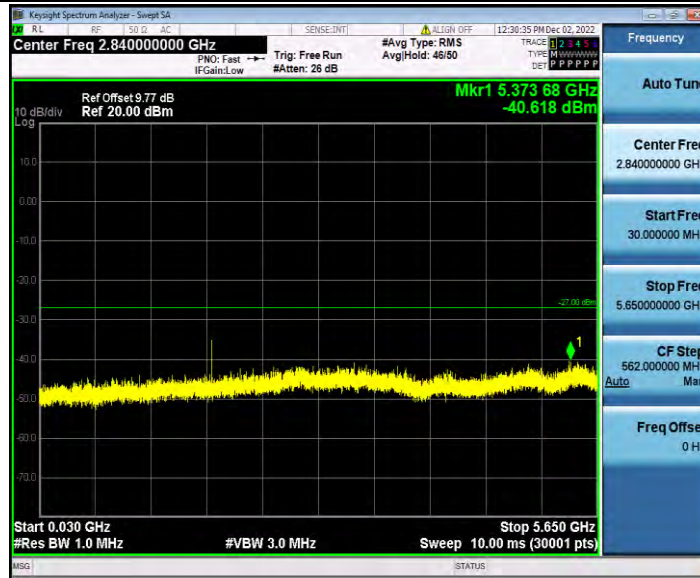
11N20SISO\_Ant1\_5785\_30~5650



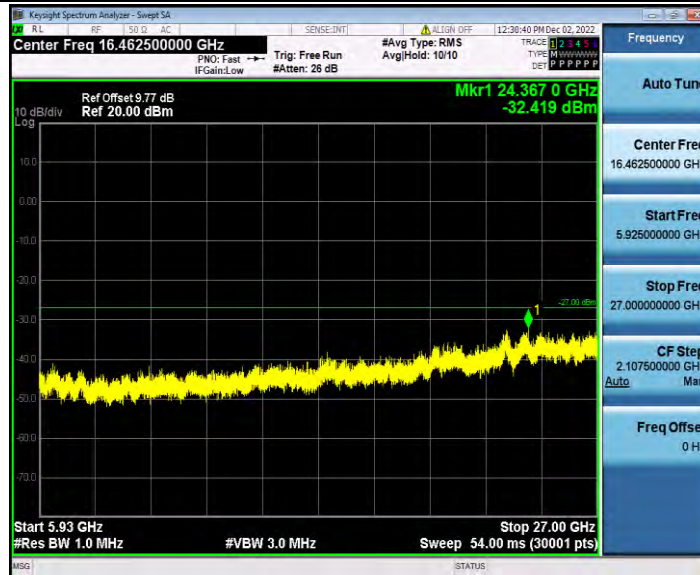
11N20SISO\_Ant1\_5785\_5925~40000



# 11N20SISO\_Ant1\_5825\_30~5650



# 11N20SISO\_Ant1\_5825\_5925~40000



# 11N40SISO\_Ant1\_5755\_30~5650



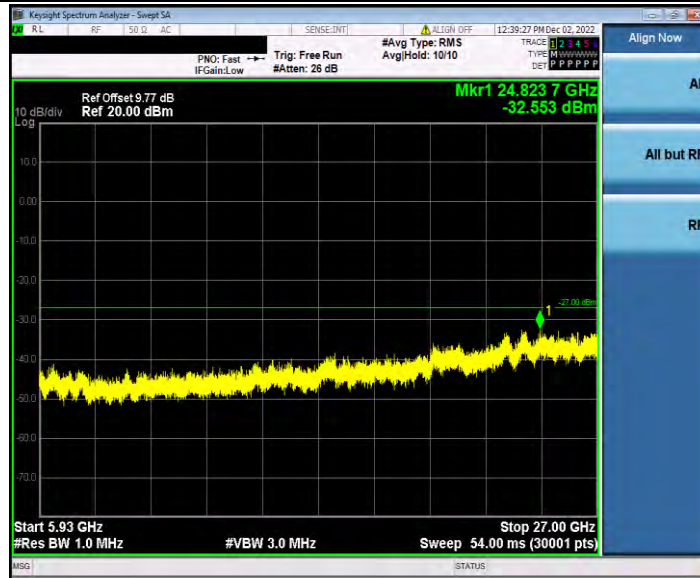
11N40SISO\_Ant1\_5755\_5925~40000



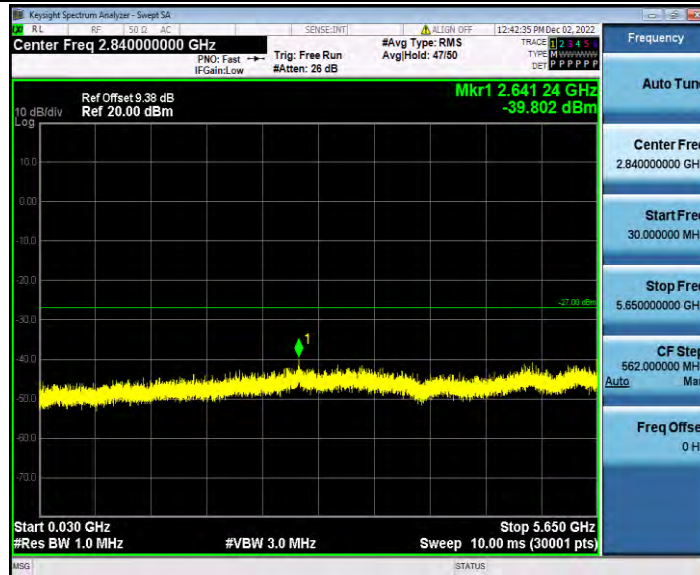
11N40SISO\_Ant1\_5795\_30~5650



# 11N40SISO\_Ant1\_5795\_5925~40000



# 11AC20SISO\_Ant1\_5745\_30~5650



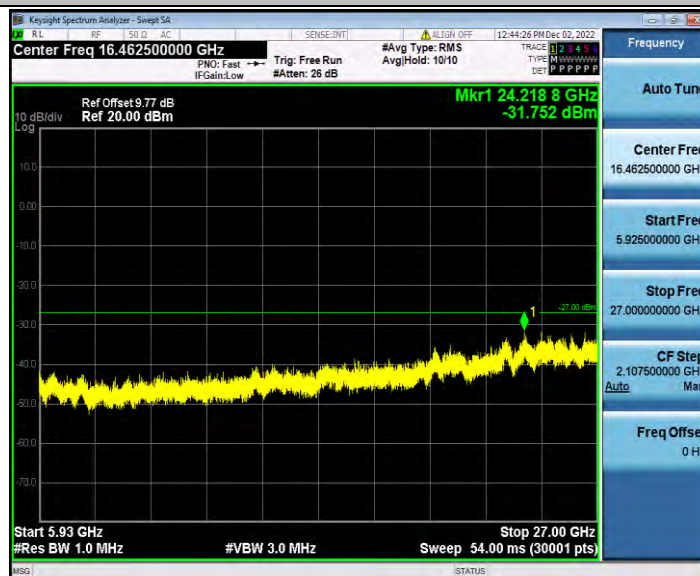
# 11AC20SISO\_Ant1\_5745\_5925~40000



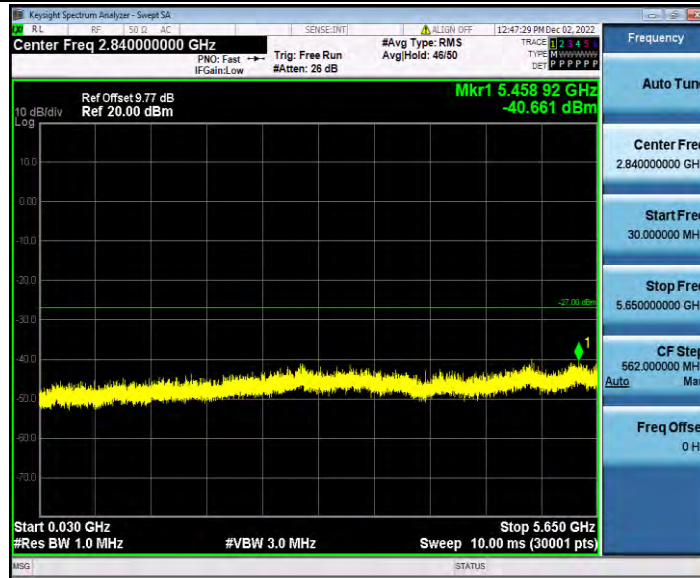
11AC20SISO\_Ant1\_5785\_30~5650



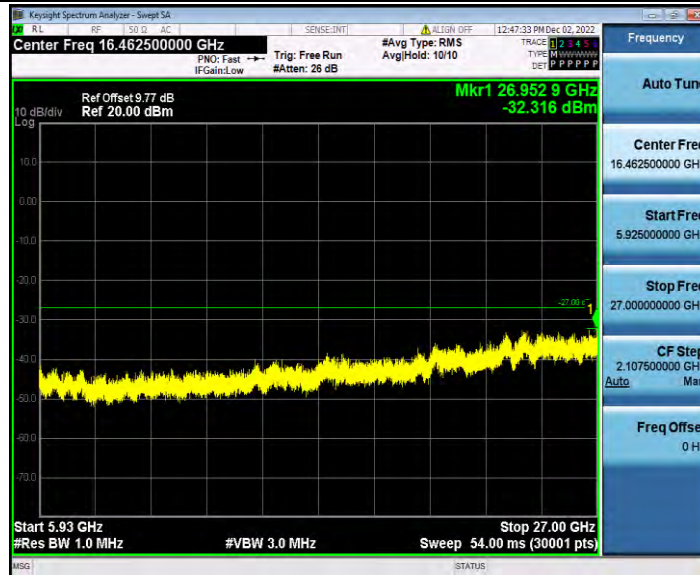
11AC20SISO\_Ant1\_5785\_5925~40000



# 11AC20SISO\_Ant1\_5825\_30~5650



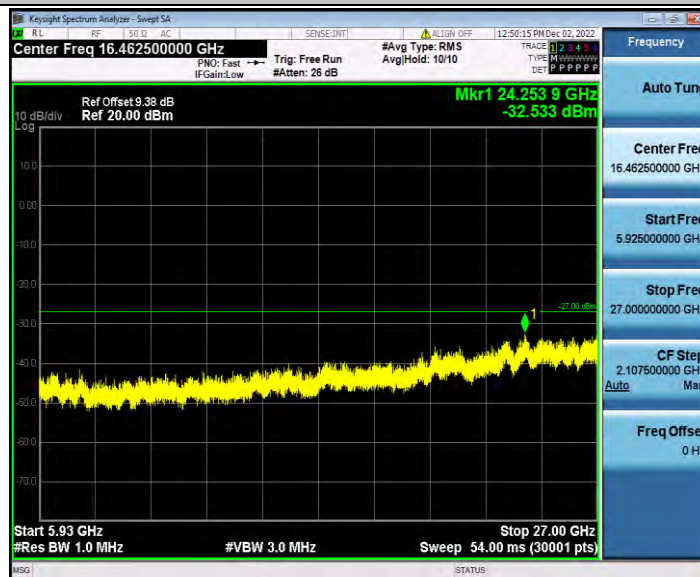
# 11AC20SISO\_Ant1\_5825\_5925~40000



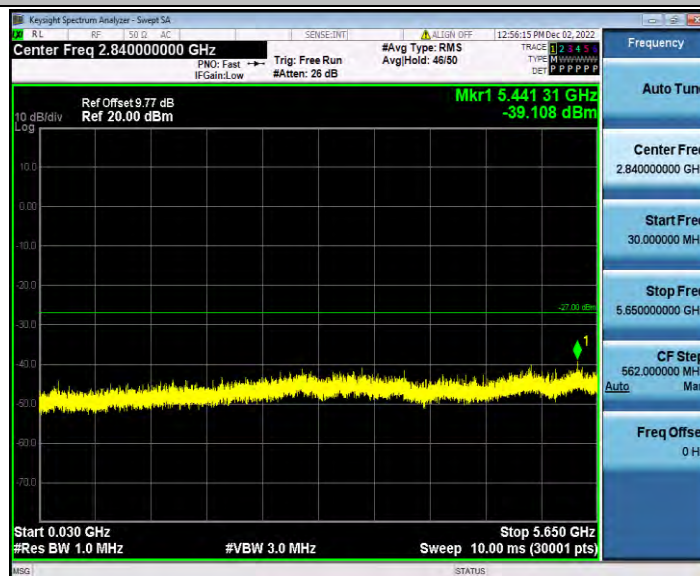
# 11AC40SISO\_Ant1\_5755\_30~5650



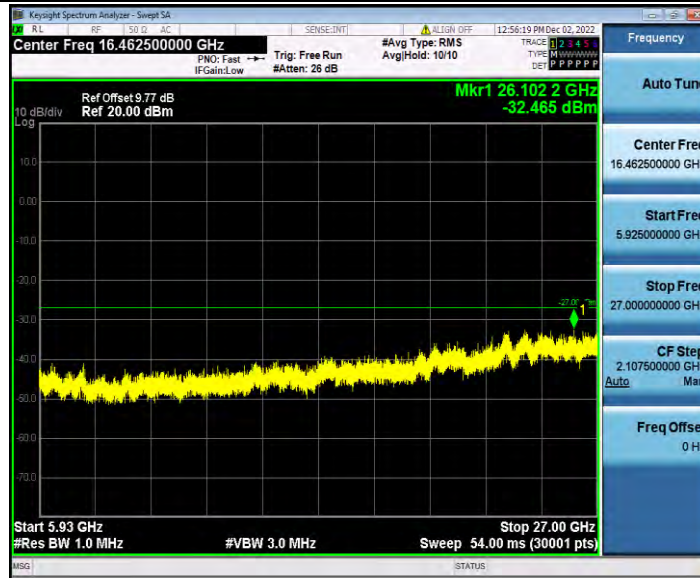
11AC40SISO\_Ant1\_5755\_5925~40000



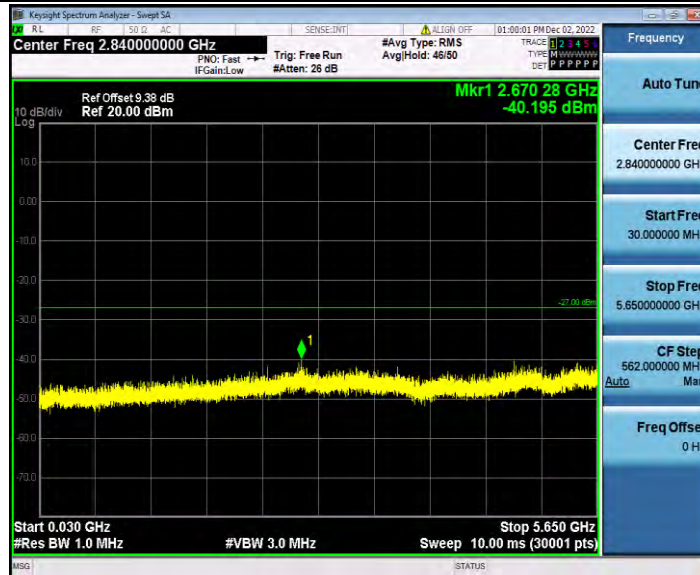
11AC40SISO\_Ant1\_5795\_30~5650



# 11AC40SISO\_Ant1\_5795\_5925~40000



# 11AC80SISO\_Ant1\_5775\_30~5650



# 11AC80SISO\_Ant1\_5775\_5925~40000

