

|                                   |                           |
|-----------------------------------|---------------------------|
| Case No. : GTS20220510015-1-9     |                           |
| Ambient Condition: 24 °C, 42 %RH, |                           |
| Test Date: 2022/6/6               | Test Engineer: Jenny Zeng |

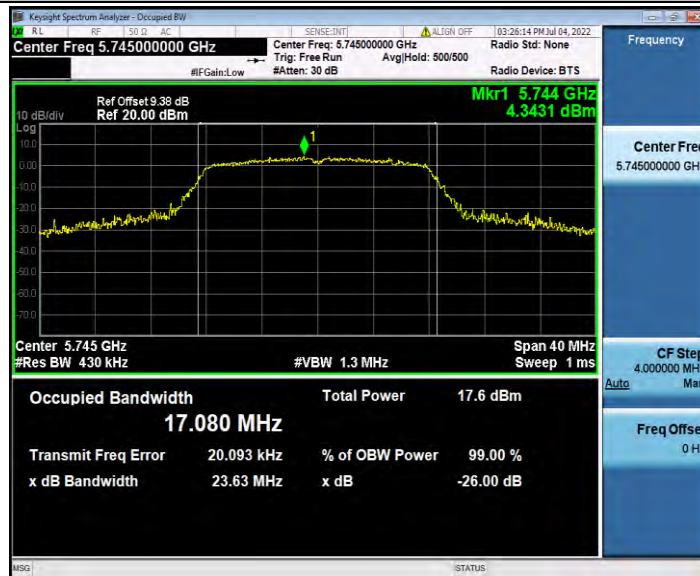
## Appendix E.1: Occupied channel bandwidth

### Test Result

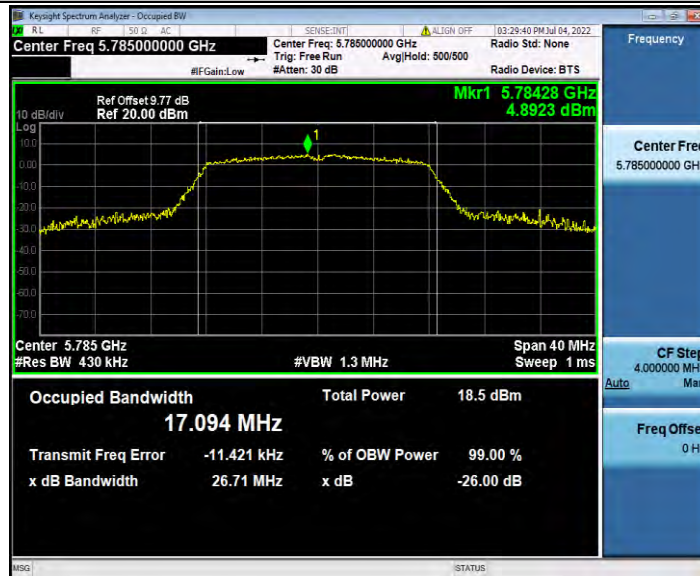
| TestMode   | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 17.080    | 5736.480 | 5753.560 | ---        | ---     |
|            |         | 5785           | 17.094    | 5776.442 | 5793.536 | ---        | ---     |
|            |         | 5825           | 17.058    | 5816.436 | 5833.494 | ---        | ---     |
| 11N20SISO  | Ant1    | 5745           | 18.044    | 5735.978 | 5754.022 | ---        | ---     |
|            |         | 5785           | 17.970    | 5776.007 | 5793.977 | ---        | ---     |
|            |         | 5825           | 18.239    | 5815.836 | 5834.075 | ---        | ---     |
| 11N40SISO  | Ant1    | 5755           | 36.517    | 5736.779 | 5773.296 | ---        | ---     |
|            |         | 5795           | 36.603    | 5776.775 | 5813.378 | ---        | ---     |
| 11AC20SISO | Ant1    | 5745           | 18.020    | 5735.968 | 5753.988 | ---        | ---     |
|            |         | 5785           | 17.964    | 5776.028 | 5793.992 | ---        | ---     |
|            |         | 5825           | 17.982    | 5815.998 | 5833.980 | ---        | ---     |
| 11AC40SISO | Ant1    | 5755           | 36.228    | 5736.889 | 5773.117 | ---        | ---     |
|            |         | 5795           | 36.401    | 5776.846 | 5813.247 | ---        | ---     |
| 11AC80SISO | Ant1    | 5775           | 75.442    | 5737.384 | 5812.826 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5745



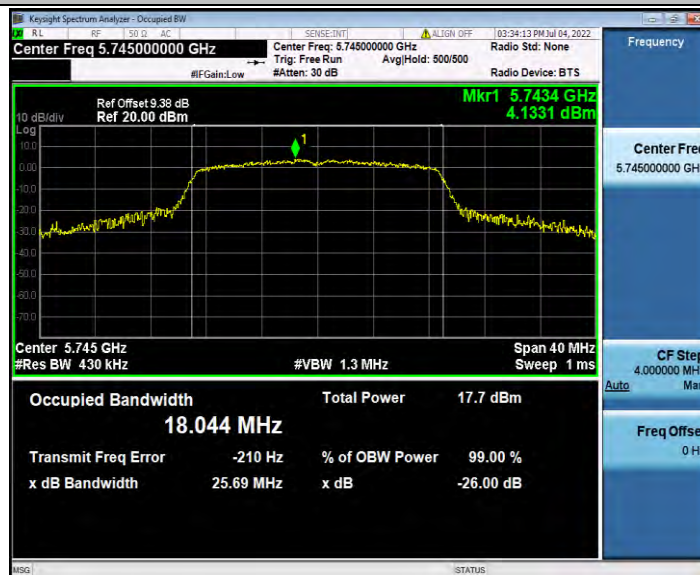
11A\_Ant1\_5785



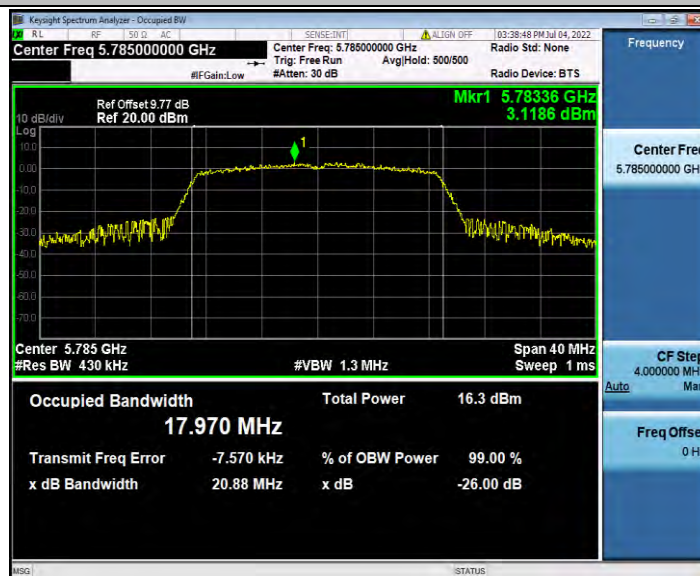
11A\_Ant1\_5825



11N20SISO\_Ant1\_5745



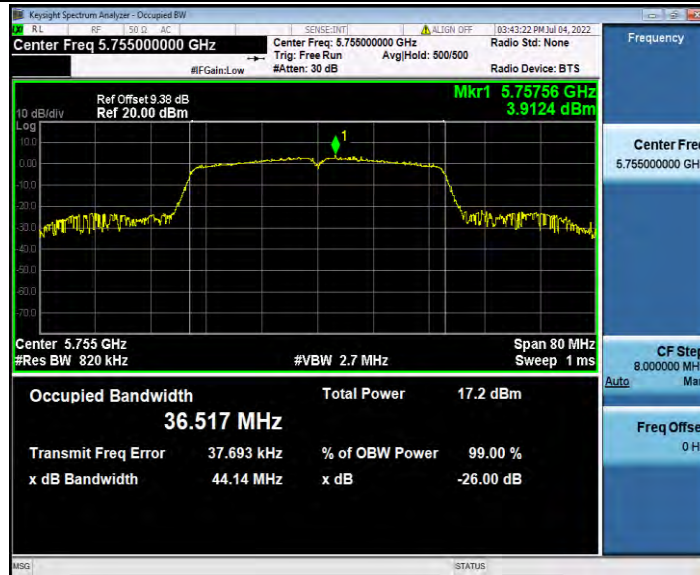
11N20SISO\_Ant1\_5785



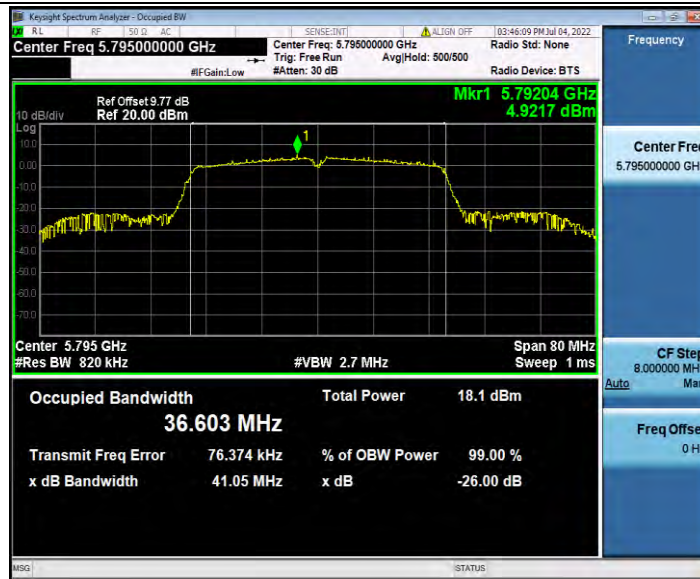
# 11N20SISO\_Ant1\_5825



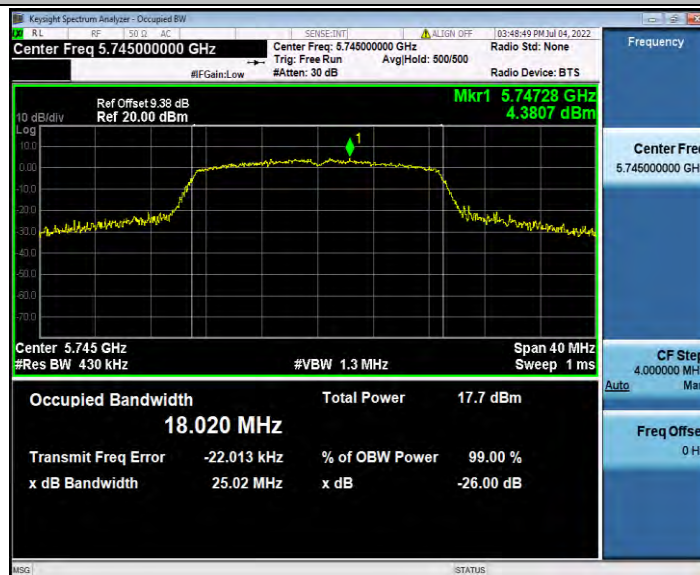
# 11N40SISO\_Ant1\_5755



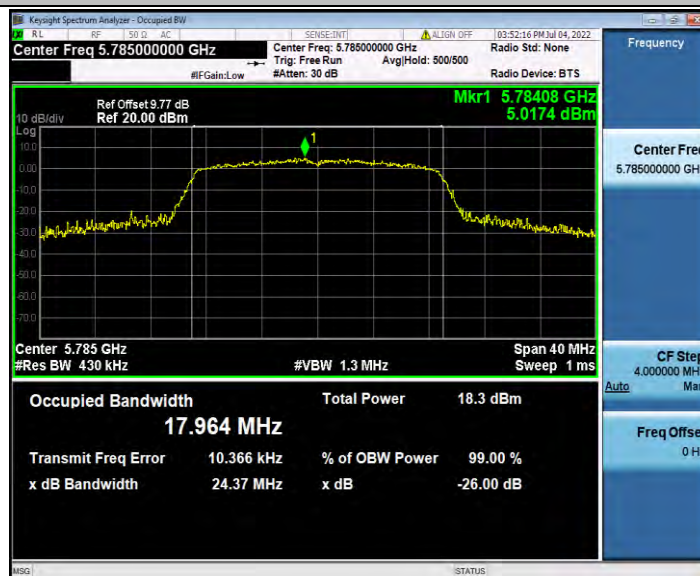
# 11N40SISO\_Ant1\_5795



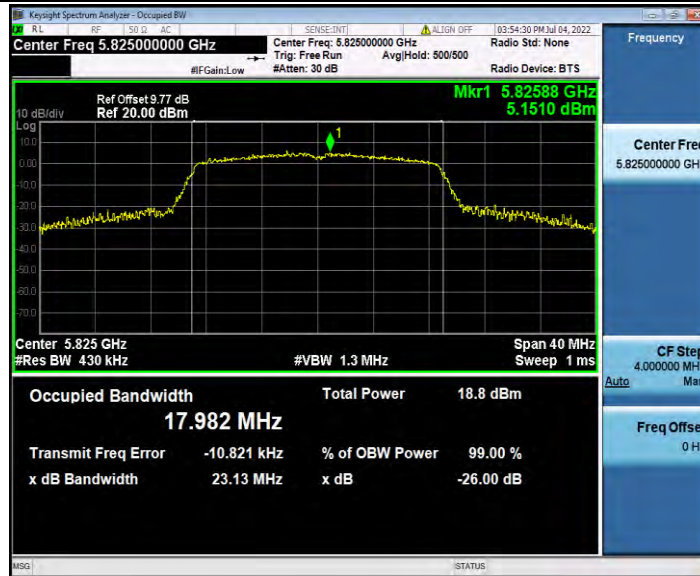
11AC20SISO\_Ant1\_5745



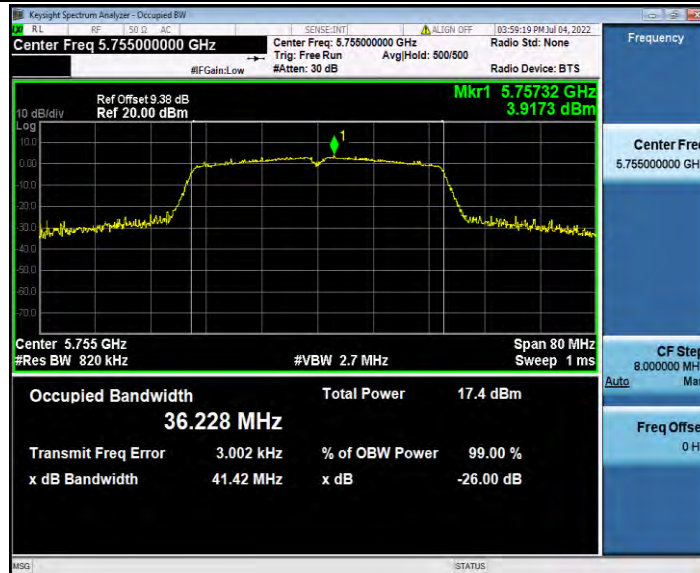
11AC20SISO\_Ant1\_5785



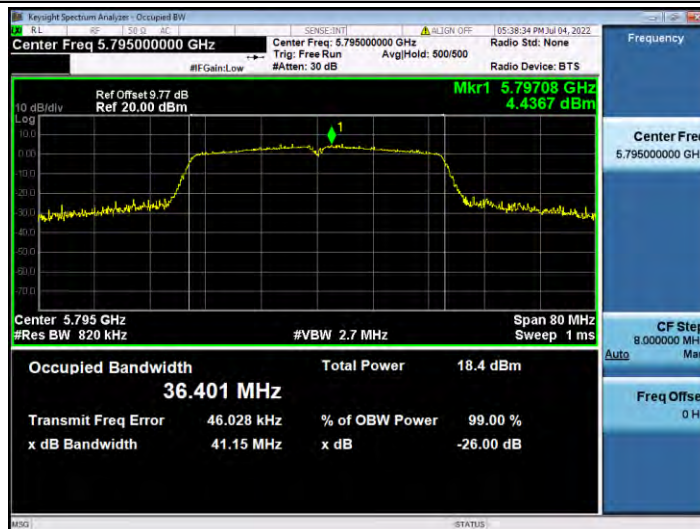
# 11AC20SISO\_Ant1\_5825



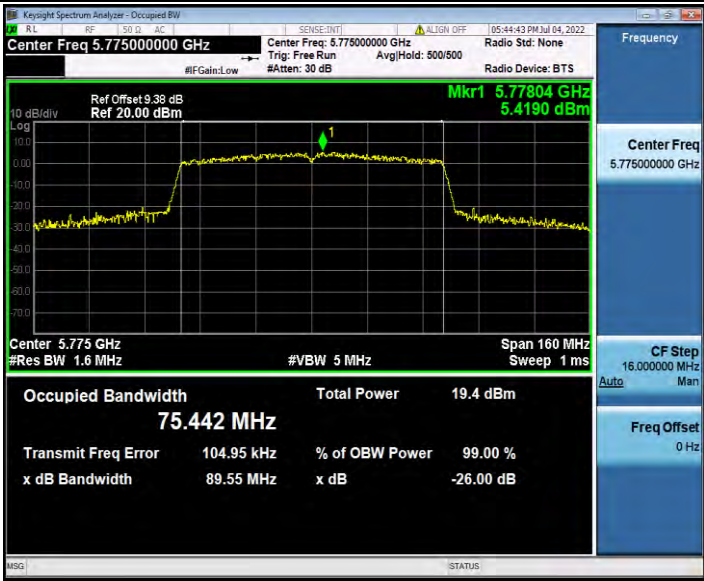
# 11AC40SISO\_Ant1\_5755



# 11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix E.2: Min emission bandwidth

### Test Result B4

| TestMode   | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|---------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 15.120        | 5737.440 | 5752.560 | 0.5        | PASS    |
|            |         | 5785           | 15.080        | 5777.440 | 5792.520 | 0.5        | PASS    |
|            |         | 5825           | 15.080        | 5817.440 | 5832.520 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 15.040        | 5737.440 | 5752.480 | 0.5        | PASS    |
|            |         | 5785           | 15.120        | 5777.440 | 5792.560 | 0.5        | PASS    |
|            |         | 5825           | 15.080        | 5817.440 | 5832.520 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 35.120        | 5737.400 | 5772.520 | 0.5        | PASS    |
|            |         | 5795           | 35.040        | 5777.480 | 5812.520 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 15.120        | 5737.440 | 5752.560 | 0.5        | PASS    |
|            |         | 5785           | 15.160        | 5777.400 | 5792.560 | 0.5        | PASS    |
|            |         | 5825           | 13.760        | 5817.520 | 5831.280 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 35.120        | 5737.400 | 5772.520 | 0.5        | PASS    |
|            |         | 5795           | 35.120        | 5777.400 | 5812.520 | 0.5        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 75.200        | 5737.400 | 5812.600 | 0.5        | PASS    |

## Test Graphs B4

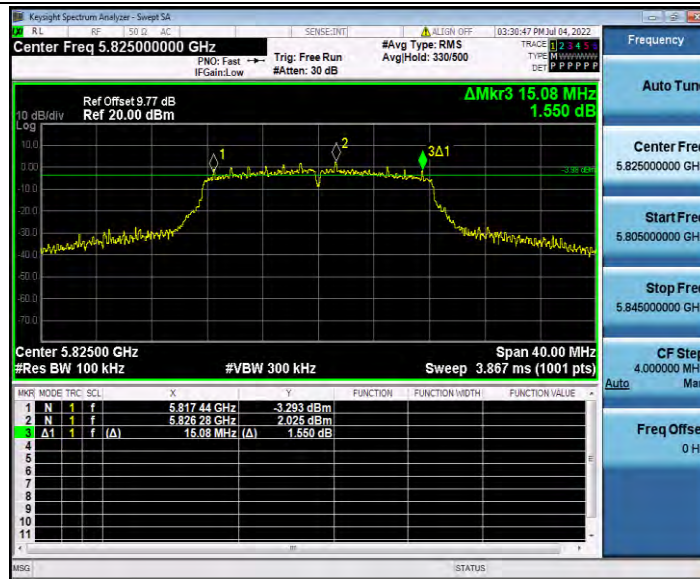
11A\_Ant1\_5745



11A\_Ant1\_5785



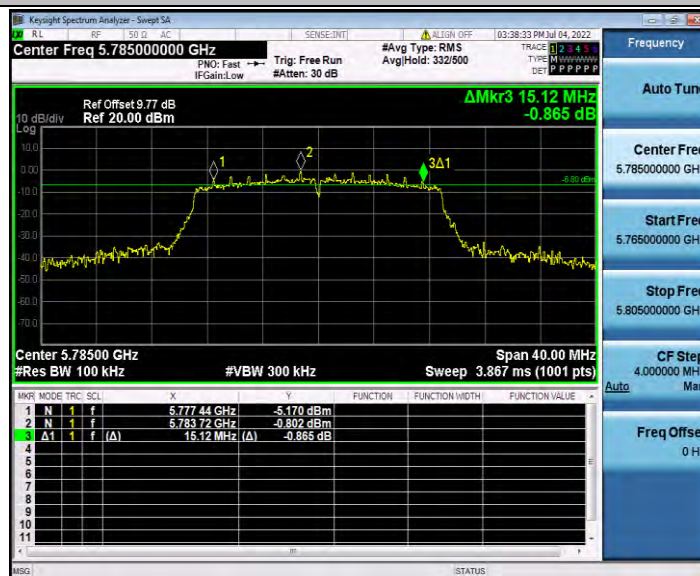
11A\_Ant1\_5825



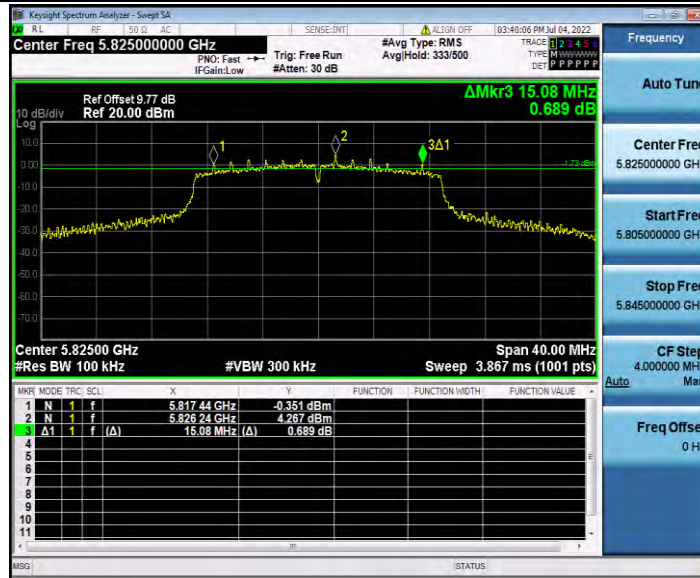
11N20SISO\_Ant1\_5745



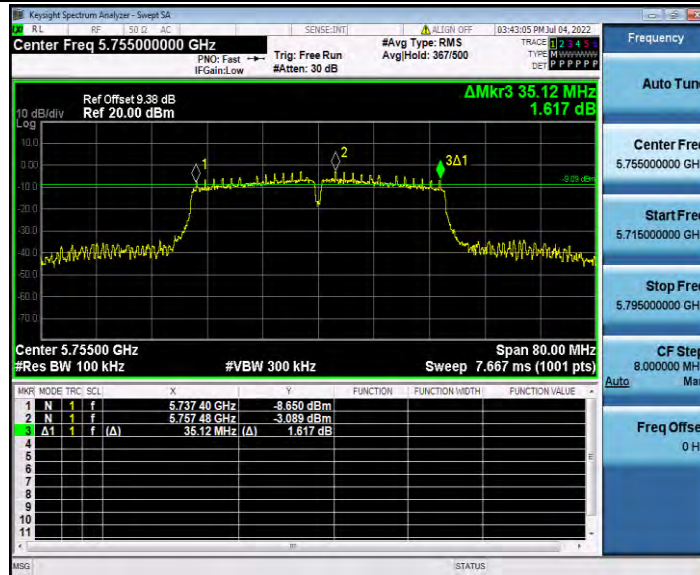
11N20SISO\_Ant1\_5785



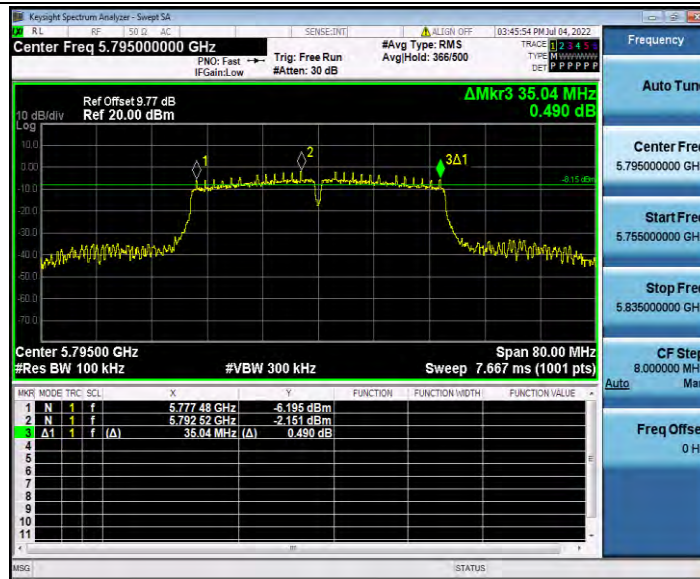
# 11N20SISO\_Ant1\_5825



# 11N40SISO\_Ant1\_5755



# 11N40SISO\_Ant1\_5795



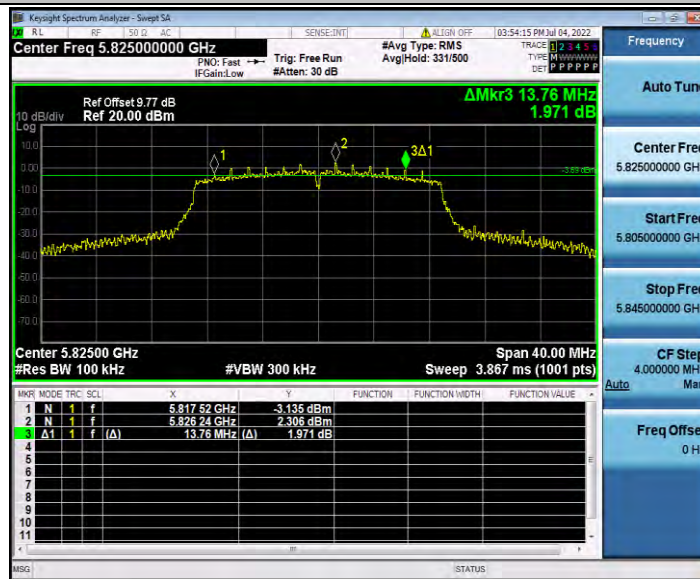
11AC20SISO\_Ant1\_5745



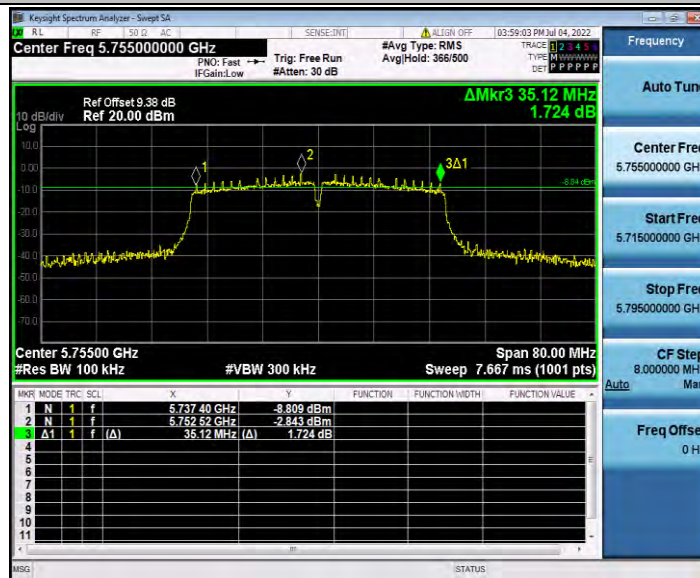
11AC20SISO\_Ant1\_5785



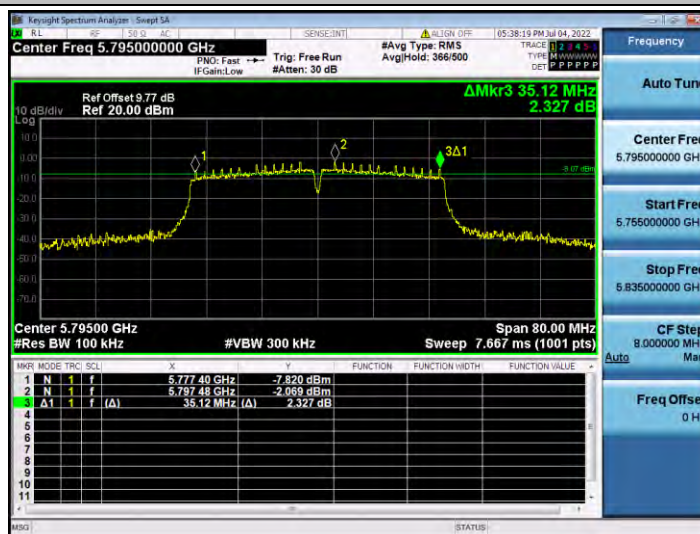
# 11AC20SISO\_Ant1\_5825



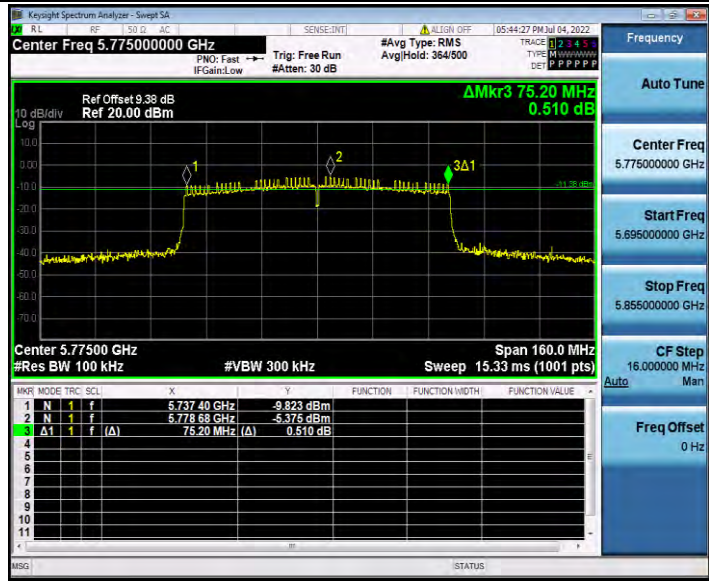
# 11AC40SISO\_Ant1\_5755



# 11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



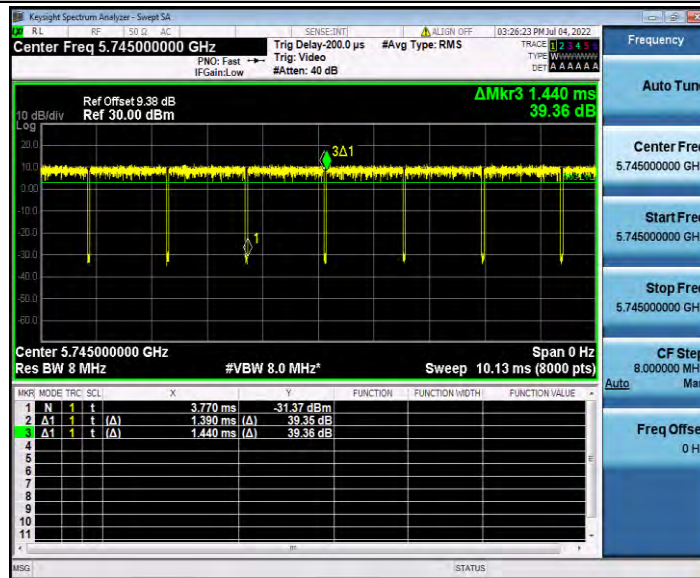
## Appendix E.3: Duty Cycle

### Test Result

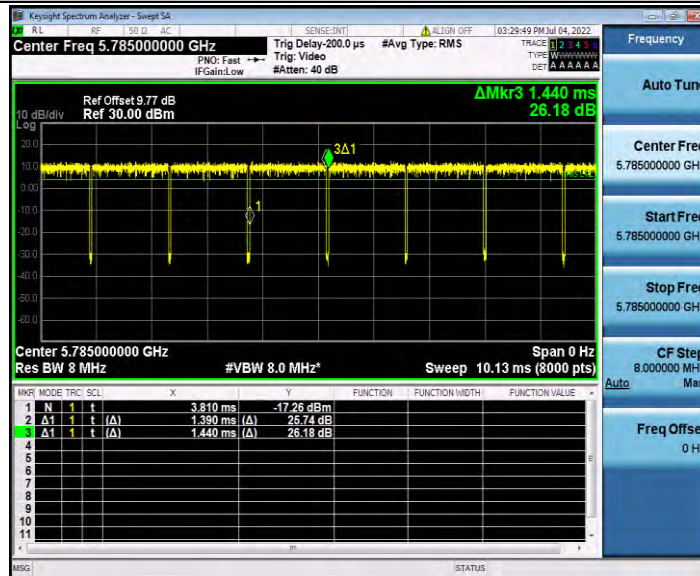
| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | DC Factor [dBm] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|-----------------|
| 11A        | Ant1    | 5745           | 1.39                       | 1.44                     | 96.53          | 0.15            |
|            |         | 5785           | 1.39                       | 1.44                     | 96.53          | 0.15            |
|            |         | 5825           | 1.39                       | 1.44                     | 96.53          | 0.15            |
| 11N20SISO  | Ant1    | 5745           | 1.29                       | 1.34                     | 96.27          | 0.17            |
|            |         | 5785           | 1.30                       | 1.34                     | 97.01          | 0.13            |
|            |         | 5825           | 1.30                       | 1.35                     | 96.30          | 0.16            |
| 11N40SISO  | Ant1    | 5755           | 0.65                       | 0.70                     | 92.86          | 0.32            |
|            |         | 5795           | 0.65                       | 0.70                     | 92.86          | 0.32            |
| 11AC20SISO | Ant1    | 5745           | 1.31                       | 1.36                     | 96.32          | 0.16            |
|            |         | 5785           | 1.31                       | 1.35                     | 97.04          | 0.13            |
|            |         | 5825           | 1.31                       | 1.36                     | 96.32          | 0.16            |
| 11AC40SISO | Ant1    | 5755           | 0.65                       | 0.70                     | 92.86          | 0.32            |
|            |         | 5795           | 0.65                       | 0.70                     | 92.86          | 0.32            |
| 11AC80SISO | Ant1    | 5775           | 0.32                       | 0.36                     | 88.89          | 0.51            |

## Test Graphs

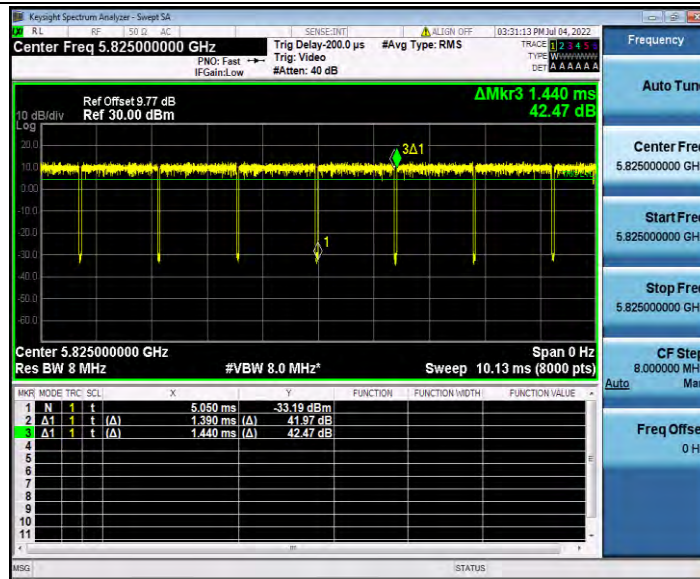
11A\_Ant1\_5745



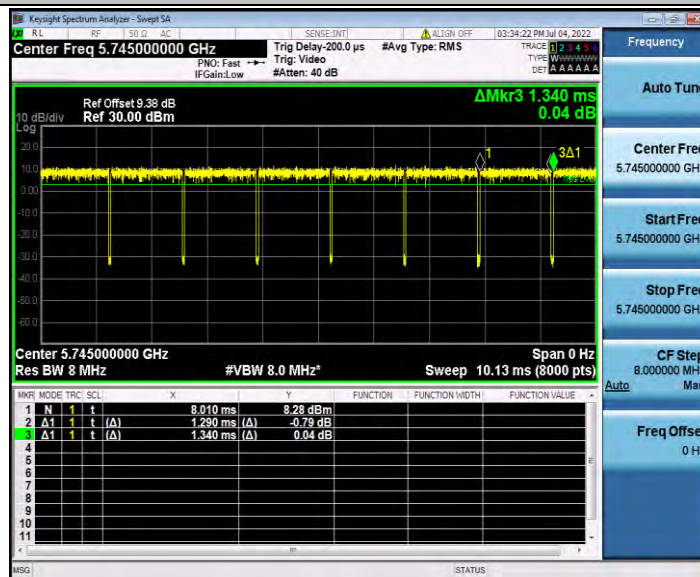
11A\_Ant1\_5785



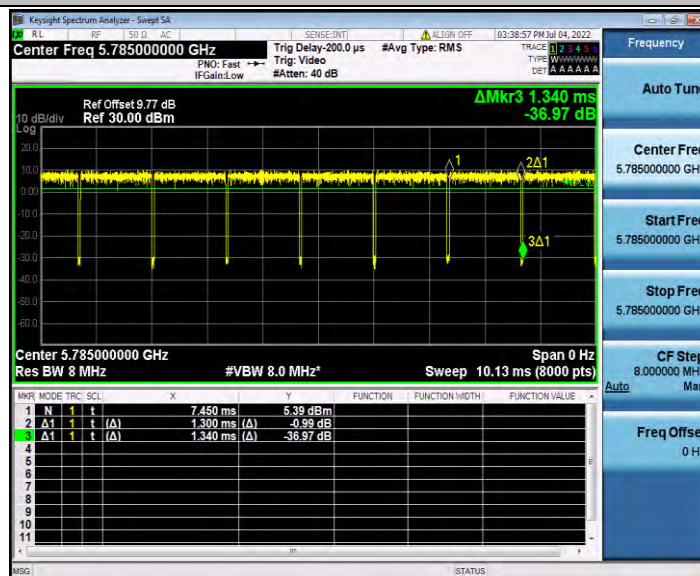
11A\_Ant1\_5825



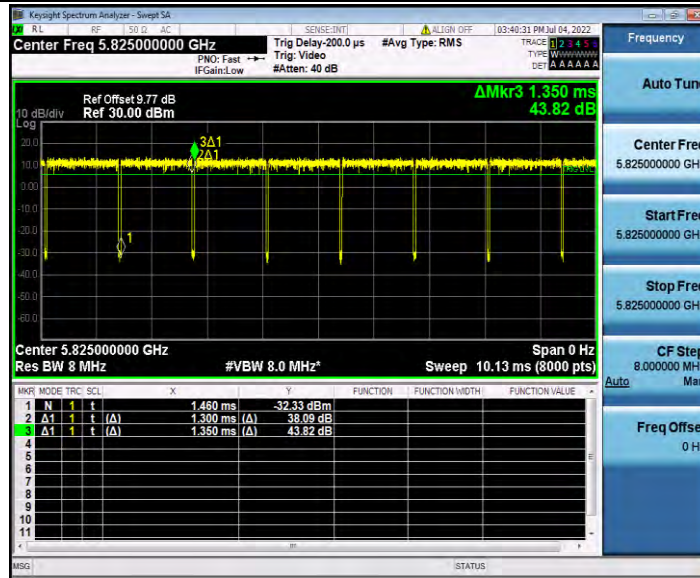
11N20SISO\_Ant1\_5745



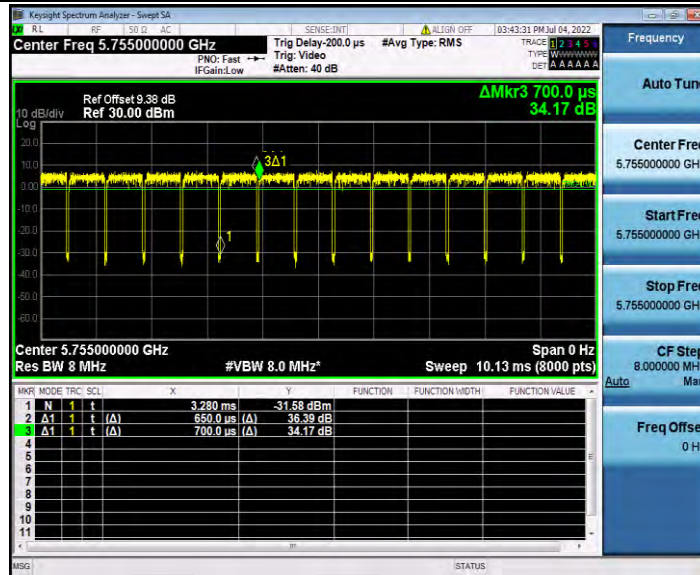
11N20SISO\_Ant1\_5785



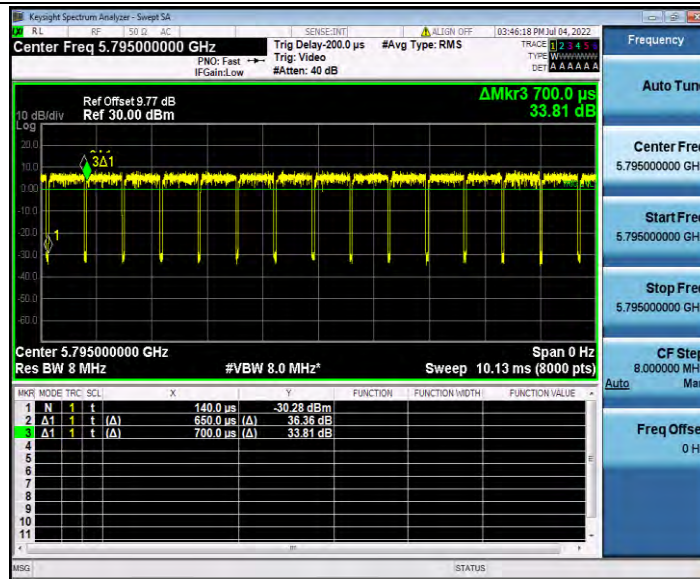
# 11N20SISO\_Ant1\_5825



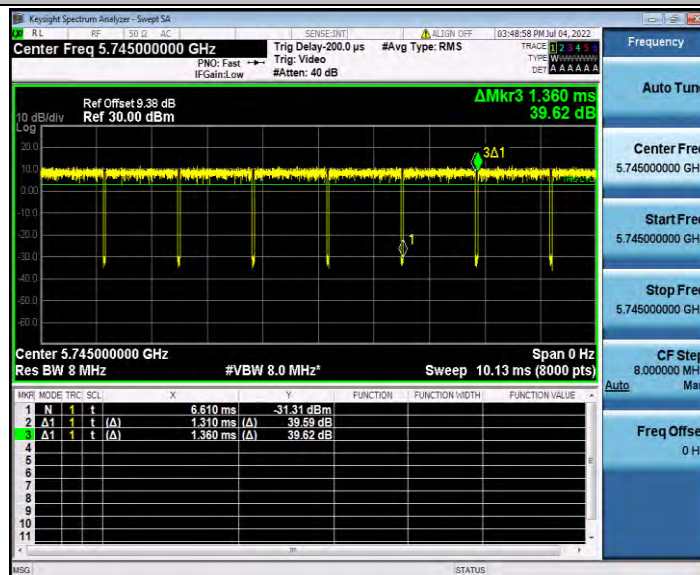
# 11N40SISO\_Ant1\_5755



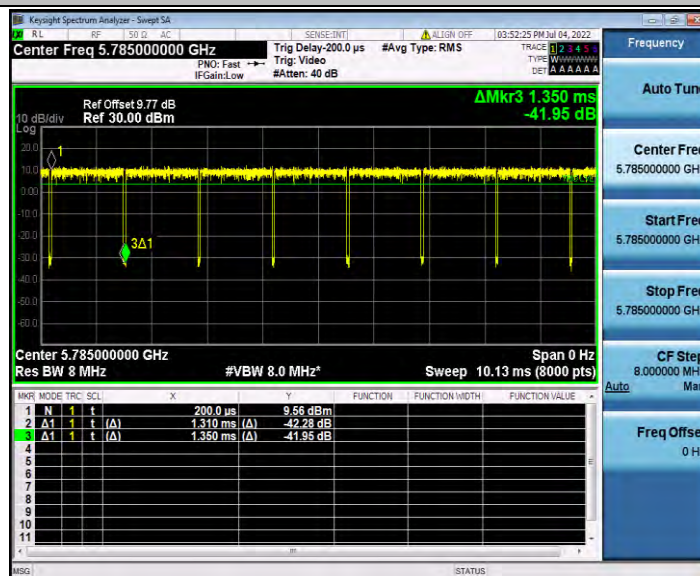
# 11N40SISO\_Ant1\_5795



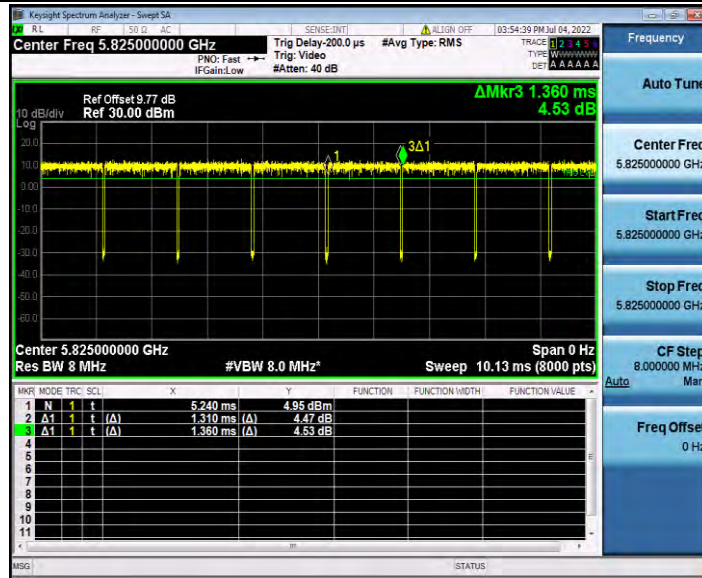
11AC20SISO\_Ant1\_5745



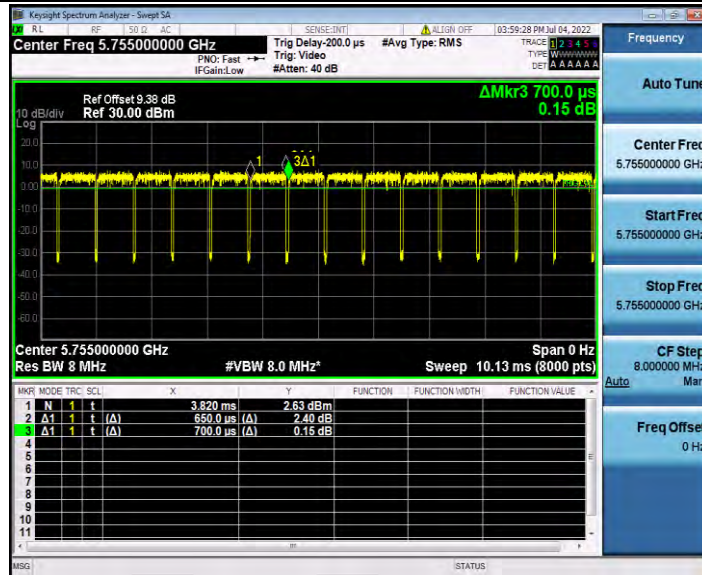
11AC20SISO\_Ant1\_5785



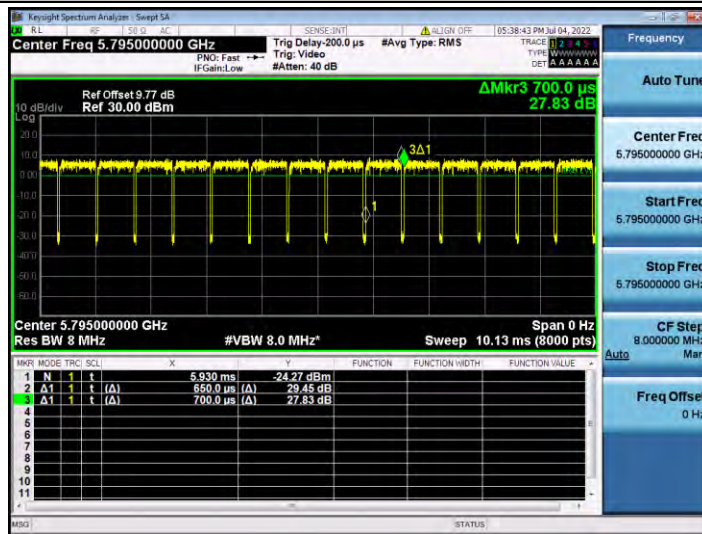
# 11AC20SISO\_Ant1\_5825



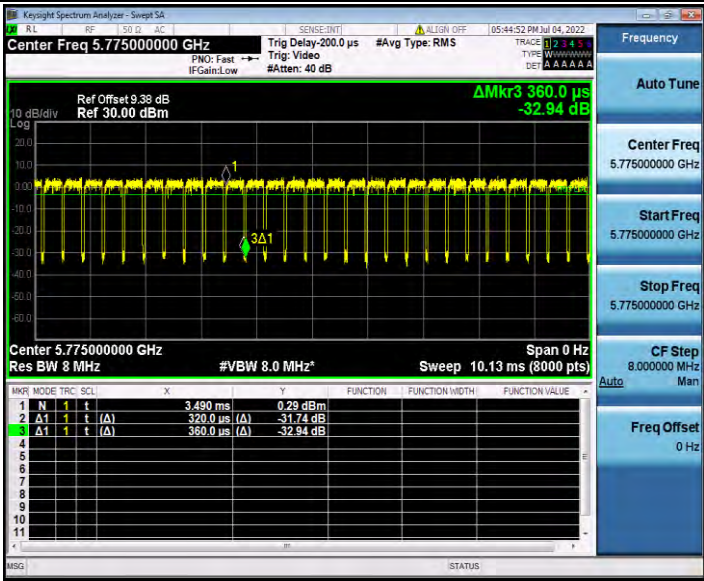
# 11AC40SISO\_Ant1\_5755



# 11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix E.4: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5745           | 4.58             | ≤30.00         | PASS    |
|            |         | 5785           | 5.04             | ≤30.00         | PASS    |
|            |         | 5825           | 5.14             | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5745           | 3.78             | ≤30.00         | PASS    |
|            |         | 5785           | 2.7              | ≤30.00         | PASS    |
|            |         | 5825           | 7.14             | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5755           | -0.02            | ≤30.00         | PASS    |
|            |         | 5795           | 0.9              | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5745           | 4.31             | ≤30.00         | PASS    |
|            |         | 5785           | 4.73             | ≤30.00         | PASS    |
|            |         | 5825           | 5.36             | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5755           | 0.2              | ≤30.00         | PASS    |
|            |         | 5795           | 1.08             | ≤30.00         | PASS    |
| 11AC80SISO | Ant1    | 5775           | -2.32            | ≤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



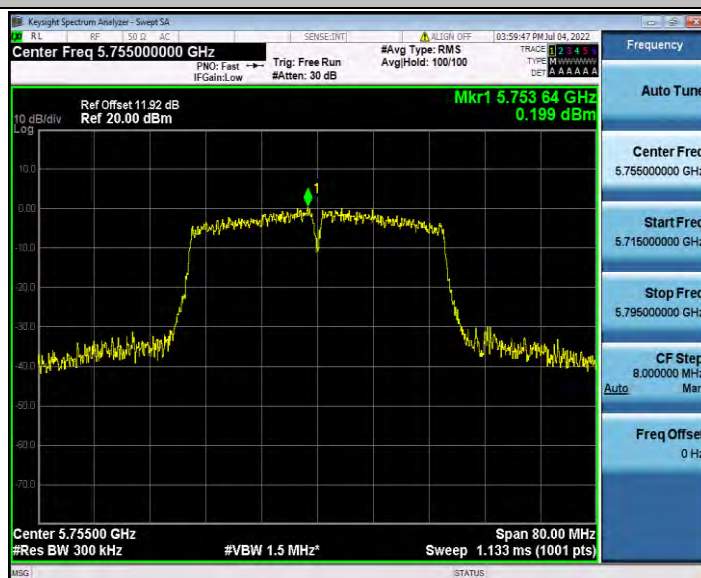
11AC20SISO\_Ant1\_5785



# 11AC20SISO\_Ant1\_5825



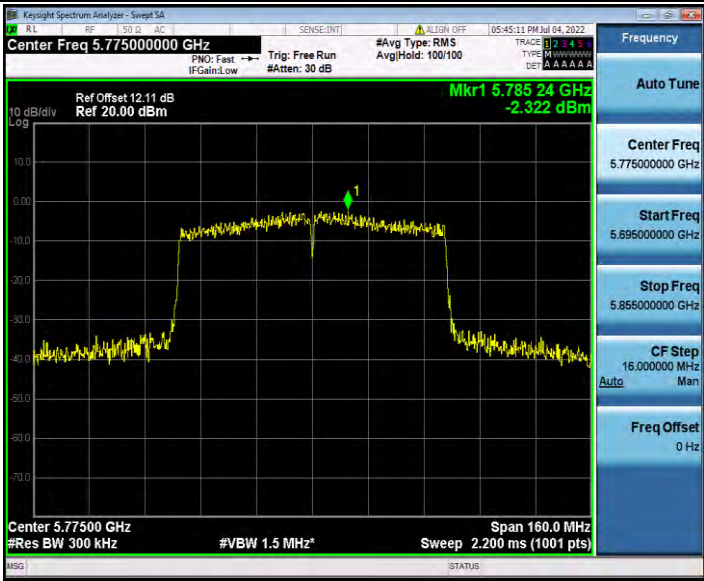
# 11AC40SISO\_Ant1\_5755



# 11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix E.5: Band edge measurements

### Test Result B4

| TestMode       | Antenna | ChName | Frequency[MHz] | FreqRange [MHz] | Result [dBm] | Limit [dBm] | Verdict |
|----------------|---------|--------|----------------|-----------------|--------------|-------------|---------|
| 11A            | Ant1    | Low    | 5745           | 5650~5700       | -38.44       | ≤8.62       | PASS    |
|                |         |        |                | 5700~5720       | -30.71       | ≤15.59      | PASS    |
|                |         |        |                | 5720~5725       | -24.43       | ≤24.73      | PASS    |
|                |         |        |                | 5760~5650       | -39.5        | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -30.55       | ≤17.03      | PASS    |
|                |         |        |                | 5855~5875       | -33.31       | ≤10.82      | PASS    |
|                |         |        |                | 5875~5925       | -38.3        | ≤-15.77     | PASS    |
|                |         |        |                | 5925~5935       | -39.01       | ≤-27        | PASS    |
| 11N20SI<br>SO  | Ant1    | Low    | 5745           | 5650~5700       | -38.75       | ≤8.70       | PASS    |
|                |         |        |                | 5700~5720       | -28.33       | ≤15.21      | PASS    |
|                |         |        |                | 5720~5725       | -21.94       | ≤24.47      | PASS    |
|                |         |        |                | 5760~5650       | -40.27       | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -26.02       | ≤15.79      | PASS    |
|                |         |        |                | 5855~5875       | -31.16       | ≤10.70      | PASS    |
|                |         |        |                | 5875~5925       | -37.26       | ≤-14.37     | PASS    |
|                |         |        |                | 5925~5935       | -37.49       | ≤-27        | PASS    |
| 11N40SI<br>SO  | Ant1    | Low    | 5755           | 5650~5700       | -33.24       | ≤9.36       | PASS    |
|                |         |        |                | 5700~5720       | -23.62       | ≤15.43      | PASS    |
|                |         |        |                | 5720~5725       | -21.25       | ≤21.89      | PASS    |
|                |         |        |                | 5780~5650       | -39.7        | ≤-27        | PASS    |
|                |         | High   | 5795           | 5850~5855       | -33.74       | ≤16.79      | PASS    |
|                |         |        |                | 5855~5875       | -37.57       | ≤10.92      | PASS    |
|                |         |        |                | 5875~5925       | -38.3        | ≤-9.46      | PASS    |
|                |         |        |                | 5925~5935       | -39.35       | ≤-27        | PASS    |
| 11AC20S<br>ISO | Ant1    | Low    | 5745           | 5650~5700       | -38.3        | ≤8.36       | PASS    |
|                |         |        |                | 5700~5720       | -31.9        | ≤15.53      | PASS    |
|                |         |        |                | 5720~5725       | -25.31       | ≤26.57      | PASS    |
|                |         |        |                | 5760~5650       | -40.03       | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -29.63       | ≤16.10      | PASS    |
|                |         |        |                | 5855~5875       | -34.26       | ≤11.50      | PASS    |
|                |         |        |                | 5875~5925       | -38.11       | ≤-11.37     | PASS    |
|                |         |        |                | 5925~5935       | -38.79       | ≤-27        | PASS    |
| 11AC40S<br>ISO | Ant1    | Low    | 5755           | 5650~5700       | -37.5        | ≤9.56       | PASS    |
|                |         |        |                | 5700~5720       | -26.05       | ≤15.50      | PASS    |
|                |         |        |                | 5720~5725       | -26.41       | ≤18.20      | PASS    |

|                |      |      |      |           |        |               |      |
|----------------|------|------|------|-----------|--------|---------------|------|
|                |      | High | 5795 | 5780~5650 | -40.17 | $\leq -27$    | PASS |
|                |      |      |      | 5850~5855 | -35.87 | $\leq 19.04$  | PASS |
|                |      |      |      | 5855~5875 | -36.54 | $\leq 10.18$  | PASS |
|                |      |      |      | 5875~5925 | -38.69 | $\leq -19.35$ | PASS |
|                |      |      |      | 5925~5935 | -38.83 | $\leq -27$    | PASS |
| 11AC80S<br>ISO | Ant1 | Low  | 5775 | 5650~5700 | -29.48 | $\leq 7.95$   | PASS |
|                |      |      |      | 5700~5720 | -26.87 | $\leq 14.13$  | PASS |
|                |      |      |      | 5720~5725 | -25.83 | $\leq 18.47$  | PASS |
|                |      |      |      | 5800~5650 | -38.21 | $\leq -27$    | PASS |
|                |      | High | 5775 | 5850~5855 | -29.96 | $\leq 15.79$  | PASS |
|                |      |      |      | 5855~5875 | -32.51 | $\leq 10.18$  | PASS |
|                |      |      |      | 5875~5925 | -37.17 | $\leq -24.77$ | PASS |
|                |      |      |      | 5925~5935 | -39.2  | $\leq -27$    | 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.6: 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         | 5361.32        | -40.45           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24299.59       | -33.12           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 5424.08        | -40.61           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26500.52       | -31.77           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 2550.94        | -40.15           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26051.63       | -31.96           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 30~5650         | 5419.21        | -40.22           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 23594.28       | -33.12           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 4995.83        | -40.06           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24945.89       | -32.27           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 2663.34        | -40.53           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26478.04       | -32.78           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 30~5650         | 5490.02        | -40.71           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24253.23       | -31.73           | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 3027.71        | -40.57           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26945.91       | -32.36           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 30~5650         | 5391.29        | -41.01           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24835.6        | -32.7            | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 2633.18        | -40.16           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24826.47       | -32.4            | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 5472.78        | -40.1            | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24248.31       | -32.43           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 30~5650         | 5404.22        | -41.02           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 25552.15       | -32.34           | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 5468.29        | -40.2            | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26594.66       | -31.87           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 30~5650         | 4912.28        | -41.19           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24812.42       | -32.51           | ≤-27        | PASS    |

## Test Graphs

11A\_Ant1\_5745\_30~5650



11A\_Ant1\_5745\_5925~40000



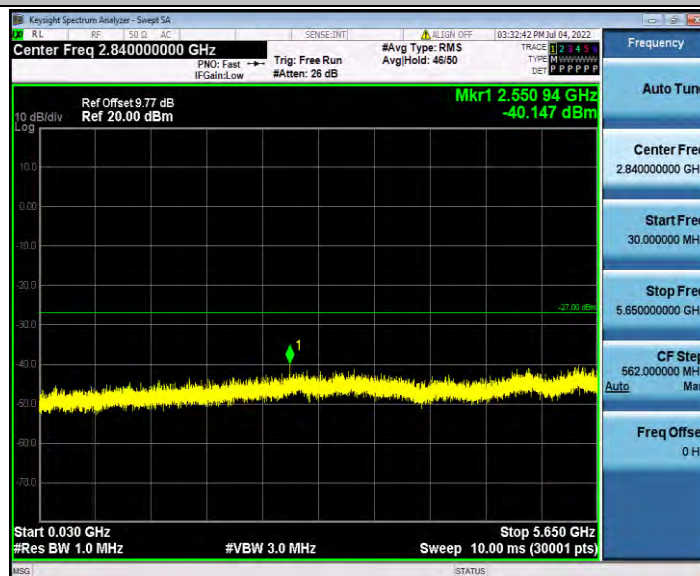
11A\_Ant1\_5785\_30~5650



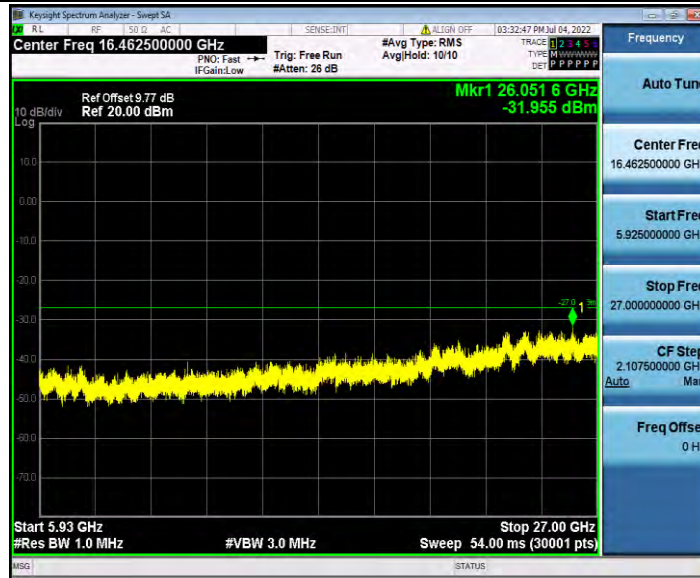
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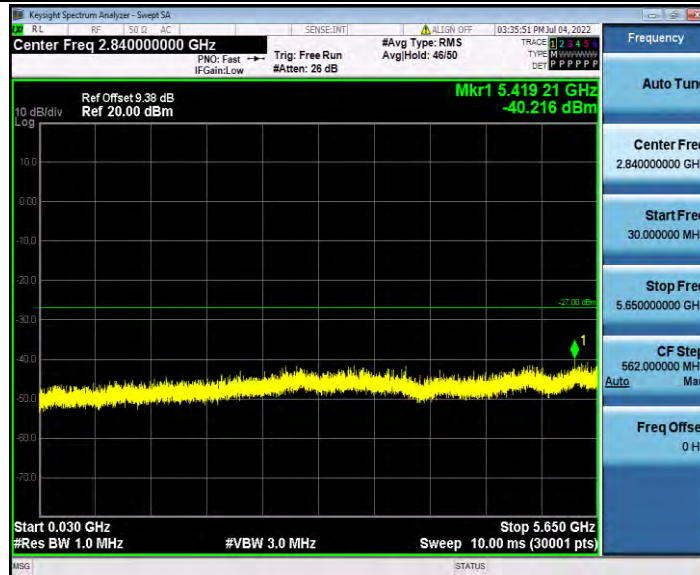
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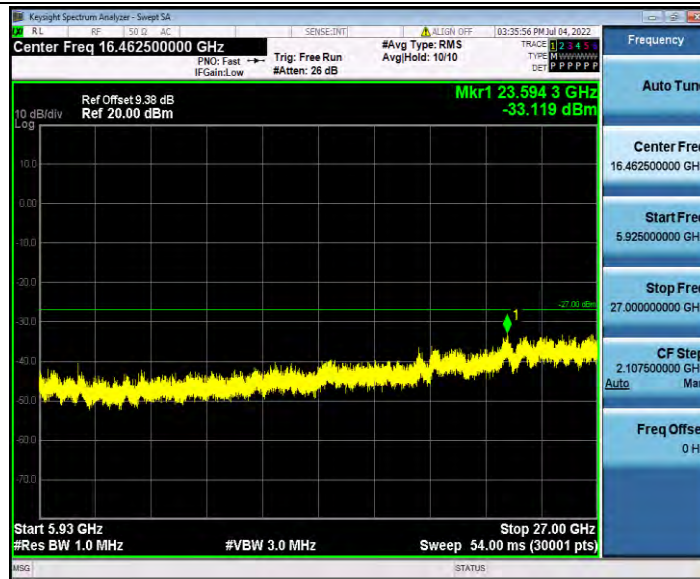
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# 11N20SISO\_Ant1\_5745\_30~5650



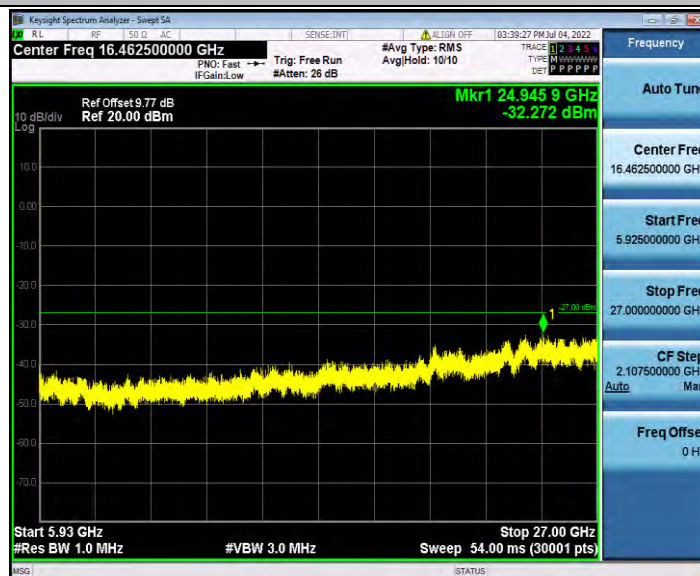
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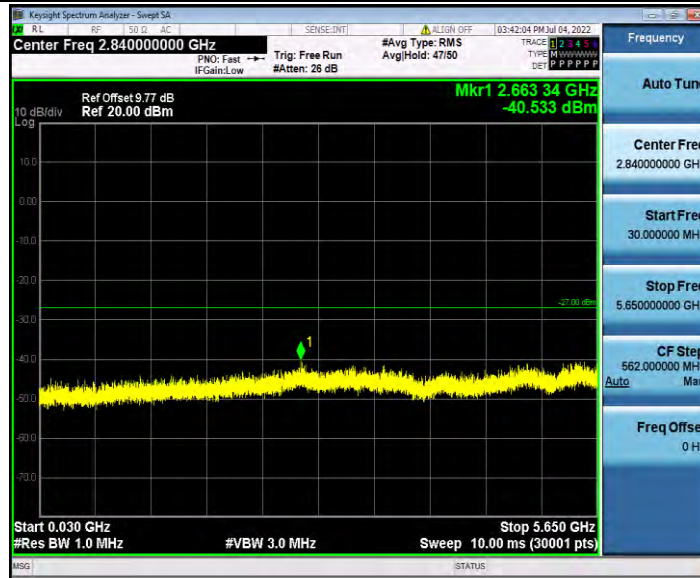
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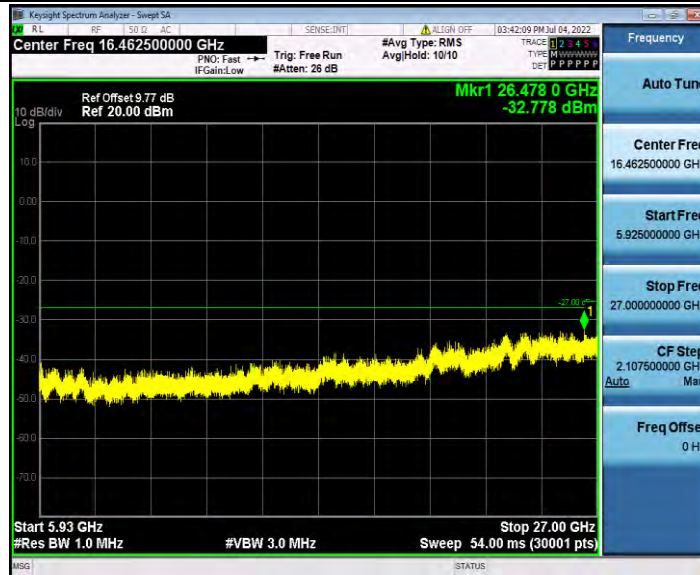
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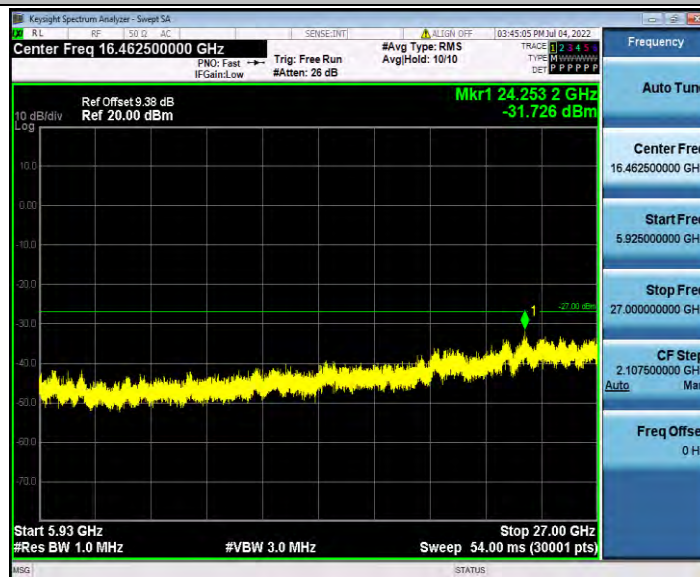
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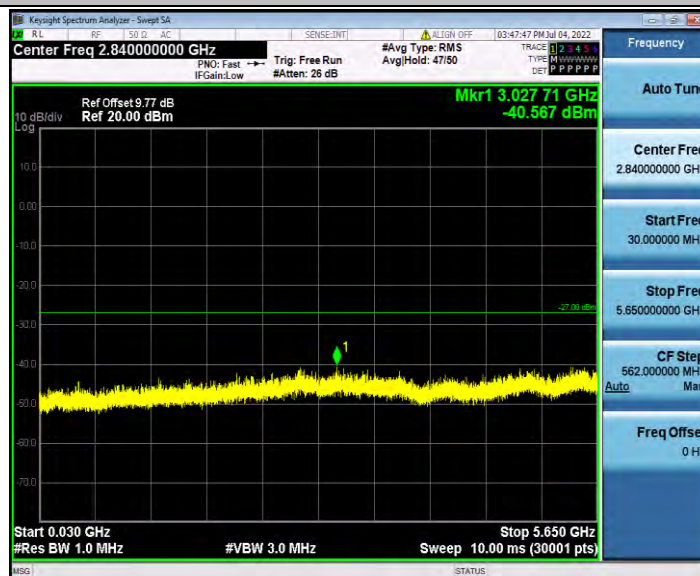
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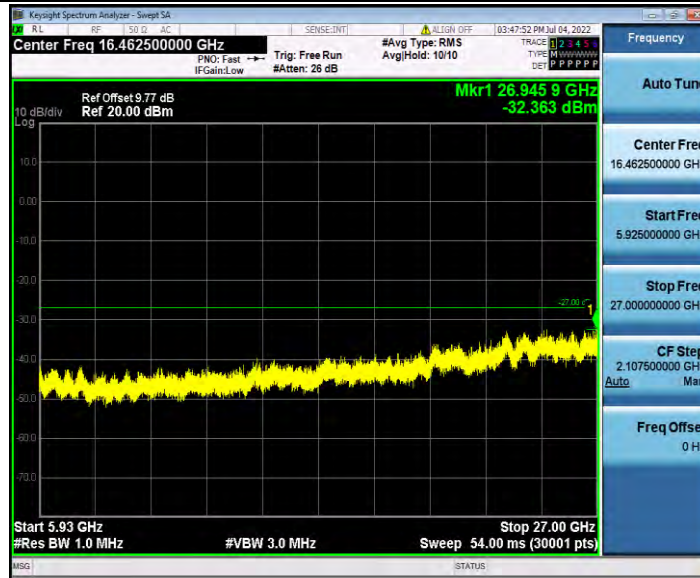
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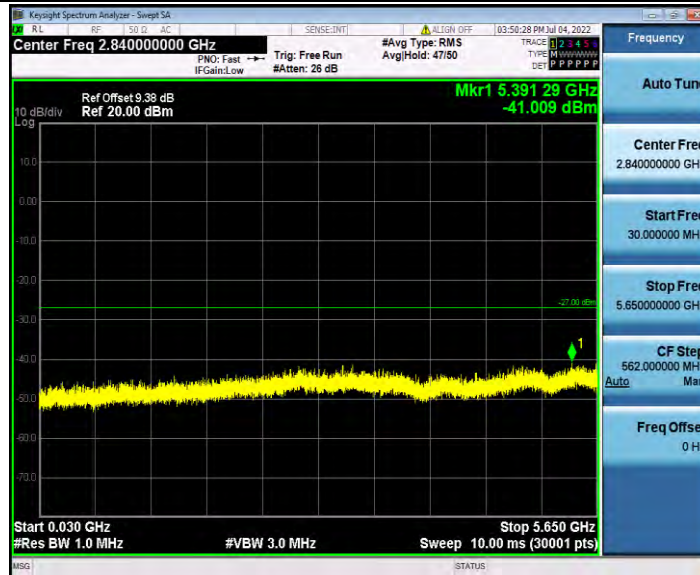
11N40SISO\_Ant1\_5795\_30~5650



# 11N40SISO\_Ant1\_5795\_5925~40000



# 11AC20SISO\_Ant1\_5745\_30~5650



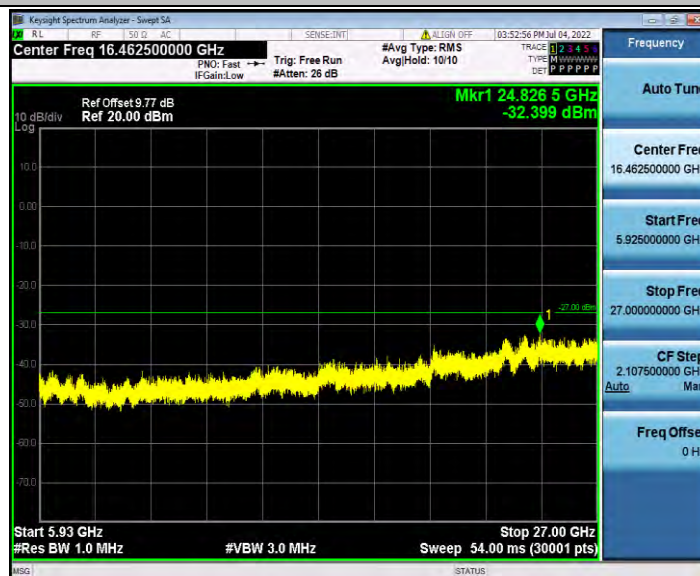
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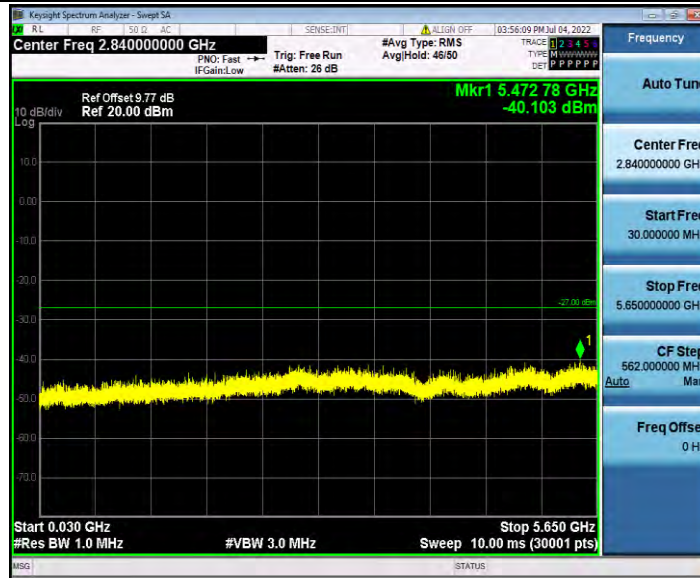
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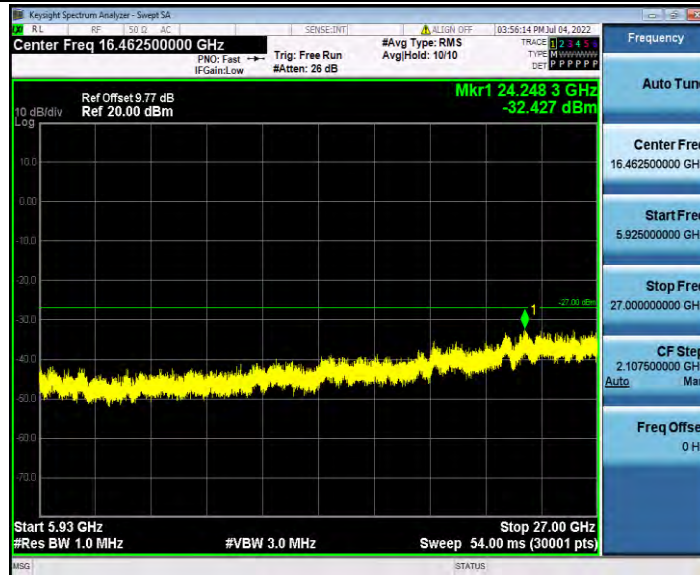
11AC20SISO\_Ant1\_5785\_5925~40000



# 11AC20SISO\_Ant1\_5825\_30~5650



# 11AC20SISO\_Ant1\_5825\_5925~40000



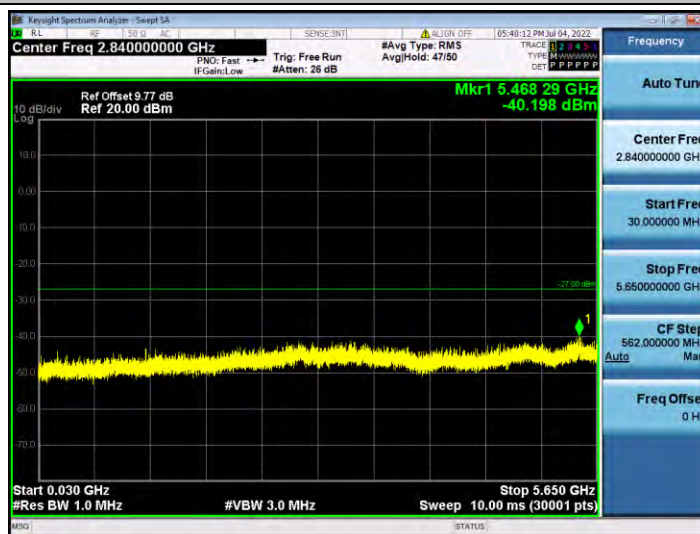
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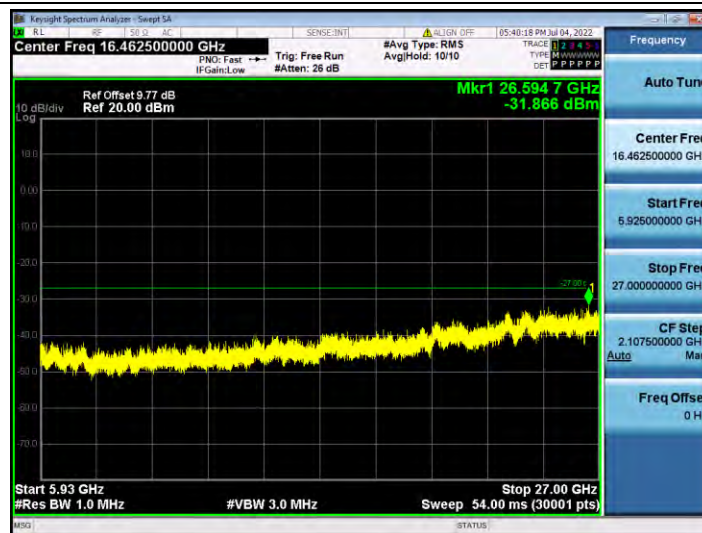
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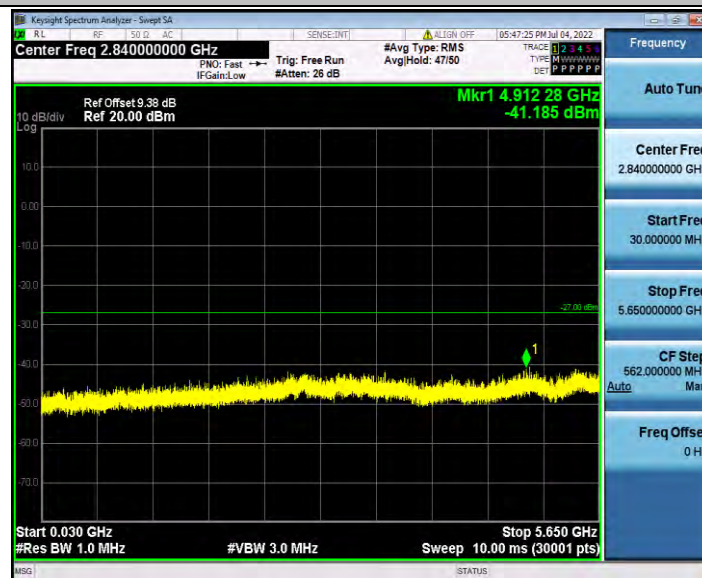
11AC40SISO\_Ant1\_5795\_30~5650



11AC40SISO\_Ant1\_5795\_5925~40000



11AC80SISO\_Ant1\_5775\_30~5650



11AC80SISO\_Ant1\_5775\_5925~40000

