

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| <b>Case No. :</b> <u>GTS20230224006-1-4</u>                           |                                         |
| <b>Ambient Condition:</b> <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa, |                                         |
| <b>Test Date:</b> <u>2023.3.17</u>                                    | <b>Test Engineer:</b> <u>Jenny zeng</u> |

## Appendix E.1: Occupied channel bandwidth

### Test Result

| TestMode   | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 16.942    | 5736.484 | 5753.426 | ---        | ---     |
|            |         | 5785           | 16.997    | 5776.481 | 5793.478 | ---        | ---     |
|            |         | 5825           | 17.014    | 5816.425 | 5833.439 | ---        | ---     |
| 11N20SISO  | Ant1    | 5745           | 18.012    | 5735.950 | 5753.962 | ---        | ---     |
|            |         | 5785           | 17.998    | 5775.977 | 5793.975 | ---        | ---     |
|            |         | 5825           | 18.202    | 5815.835 | 5834.037 | ---        | ---     |
| 11N40SISO  | Ant1    | 5755           | 36.284    | 5736.866 | 5773.150 | ---        | ---     |
|            |         | 5795           | 36.258    | 5776.852 | 5813.110 | ---        | ---     |
| 11AC20SISO | Ant1    | 5745           | 18.034    | 5735.972 | 5754.006 | ---        | ---     |
|            |         | 5785           | 18.163    | 5775.914 | 5794.077 | ---        | ---     |
|            |         | 5825           | 18.381    | 5815.768 | 5834.149 | ---        | ---     |
| 11AC40SISO | Ant1    | 5755           | 36.288    | 5736.838 | 5773.126 | ---        | ---     |
|            |         | 5795           | 36.292    | 5776.833 | 5813.125 | ---        | ---     |
| 11AC80SISO | Ant1    | 5775           | 76.680    | 5736.528 | 5813.208 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5745



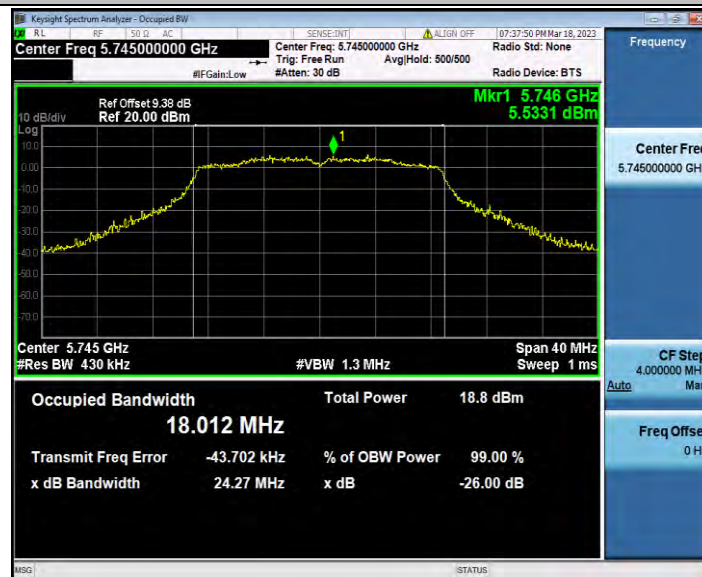
11A\_Ant1\_5785



11A\_Ant1\_5825



11N20SISO\_Ant1\_5745



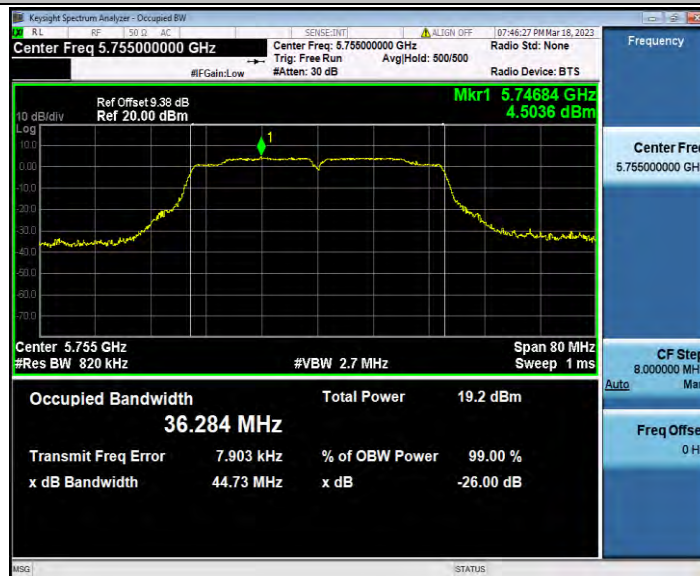
11N20SISO\_Ant1\_5785



## 11N20SISO\_Ant1\_5825



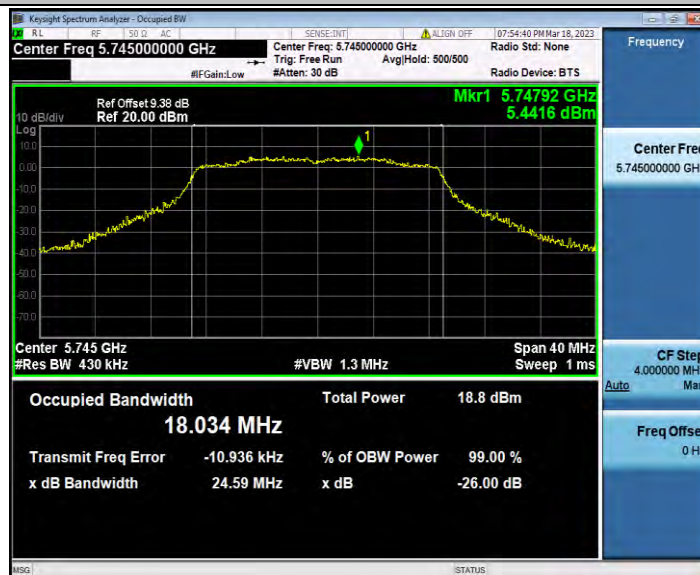
## 11N40SISO\_Ant1\_5755



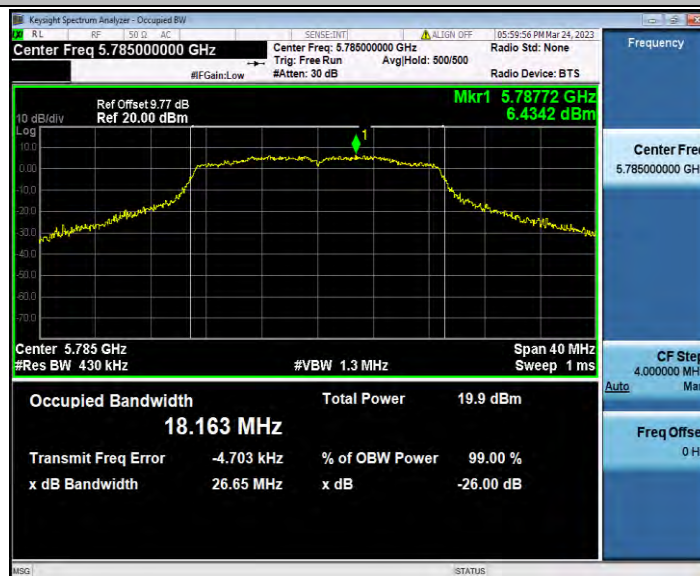
## 11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745

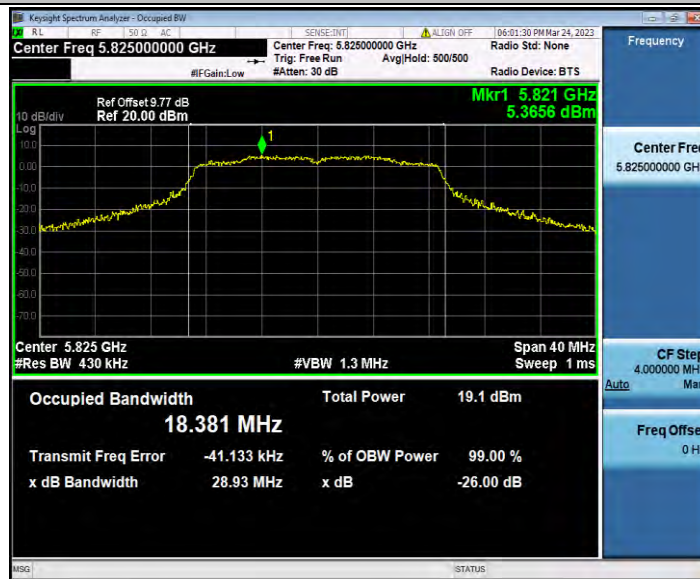


11AC20SISO\_Ant1\_5785

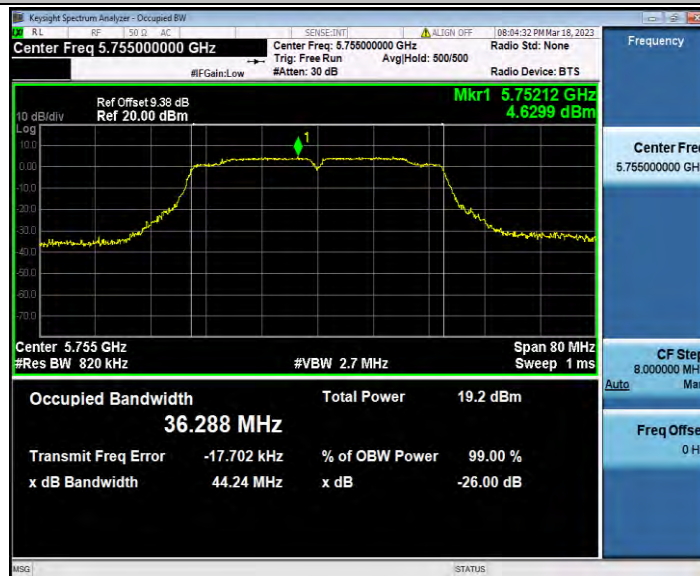




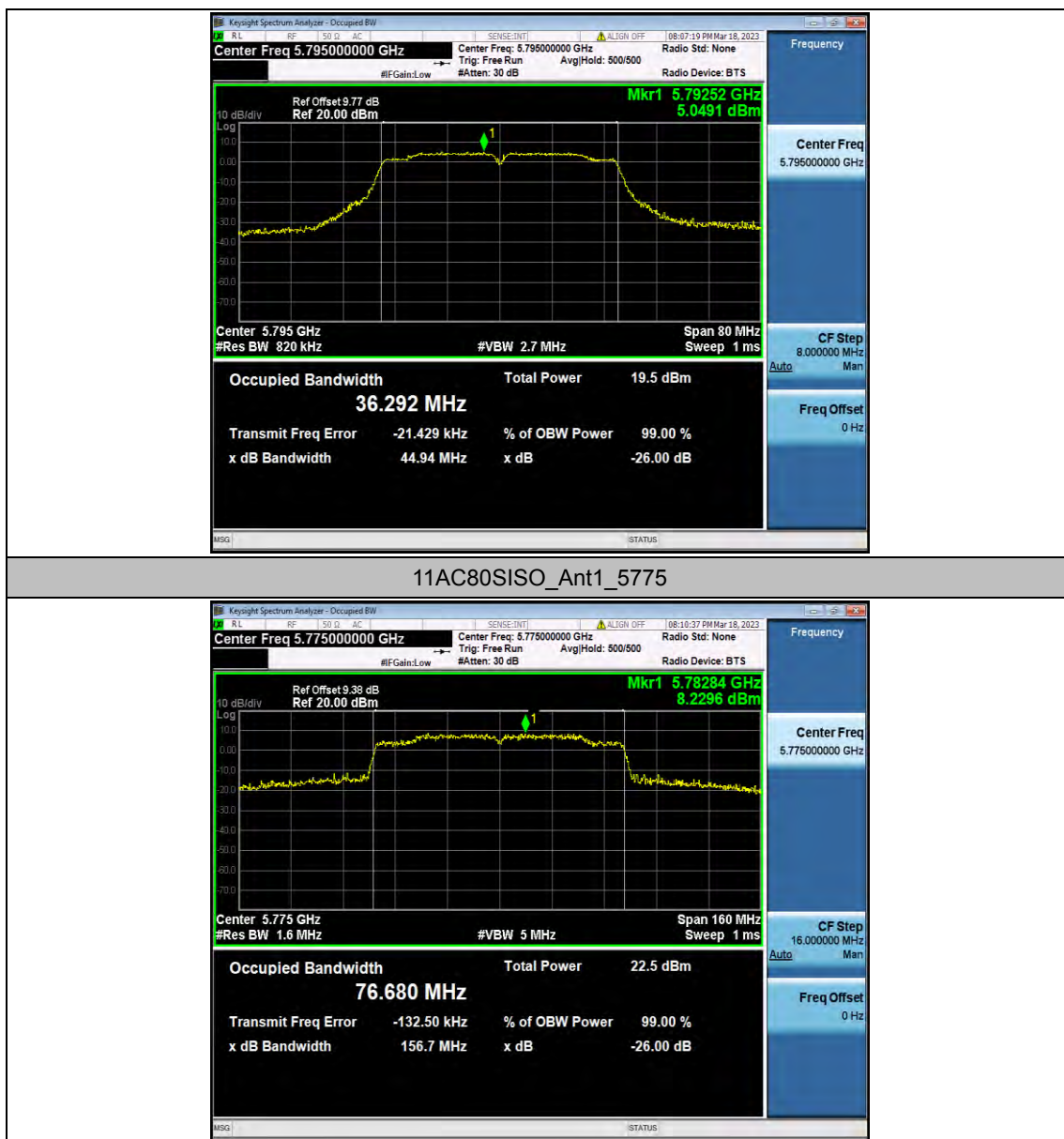
## 11AC20SISO\_Ant1\_5825



## 11AC40SISO\_Ant1\_5755



## 11AC40SISO\_Ant1\_5795



## 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           | 13.840        | 5737.400 | 5751.240 | 0.5        | PASS    |
|            |         | 5785           | 15.080        | 5777.440 | 5792.520 | 0.5        | PASS    |
|            |         | 5825           | 14.640        | 5817.200 | 5831.840 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 13.840        | 5738.640 | 5752.480 | 0.5        | PASS    |
|            |         | 5785           | 15.280        | 5777.440 | 5792.720 | 0.5        | PASS    |
|            |         | 5825           | 15.040        | 5817.480 | 5832.520 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 35.120        | 5737.400 | 5772.520 | 0.5        | PASS    |
|            |         | 5795           | 35.120        | 5777.400 | 5812.520 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 15.120        | 5737.400 | 5752.520 | 0.5        | PASS    |
|            |         | 5785           | 15.120        | 5777.400 | 5792.520 | 0.5        | PASS    |
|            |         | 5825           | 15.160        | 5817.400 | 5832.560 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 35.040        | 5737.400 | 5772.440 | 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

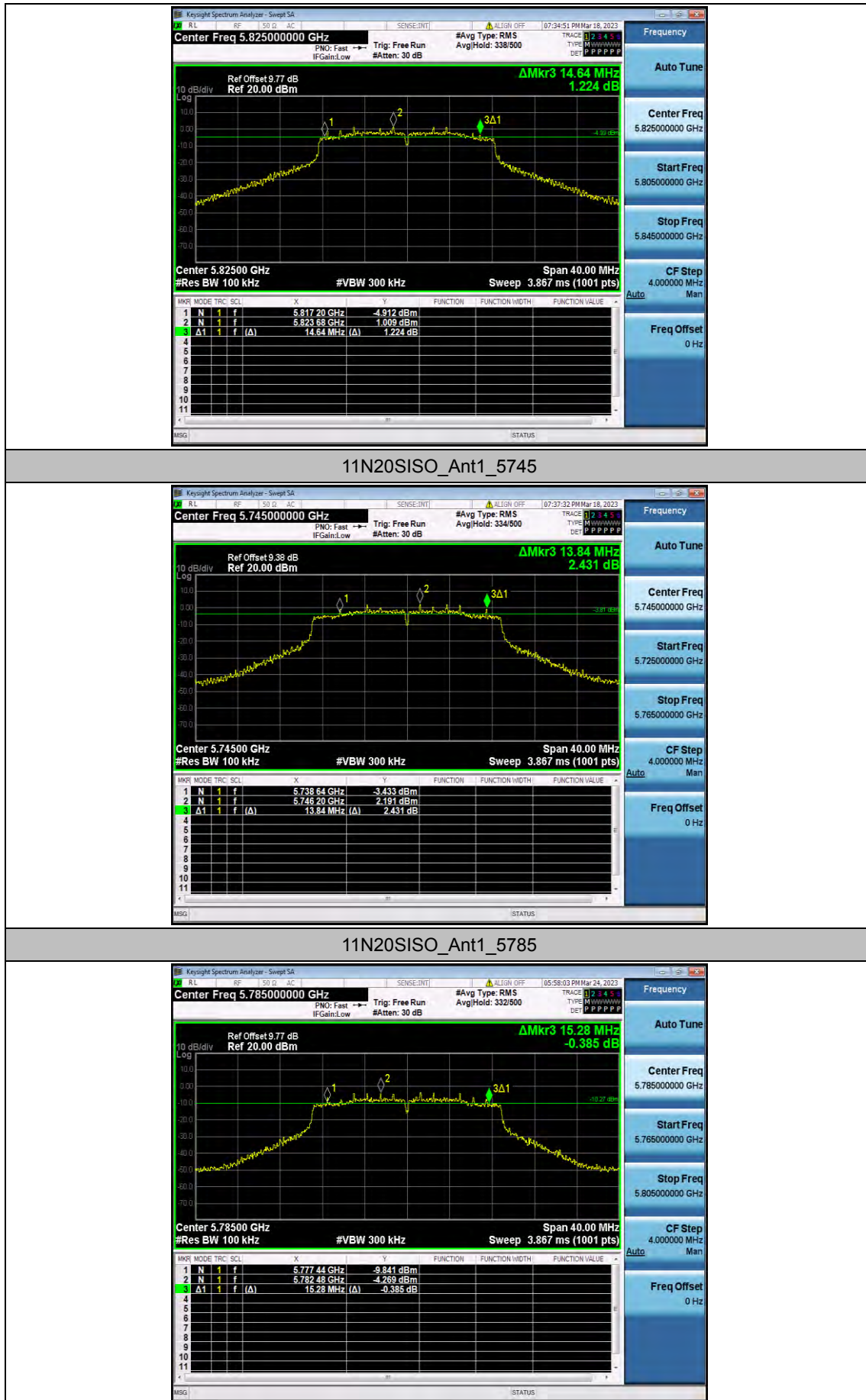
11A\_Ant1\_5745



11A\_Ant1\_5785



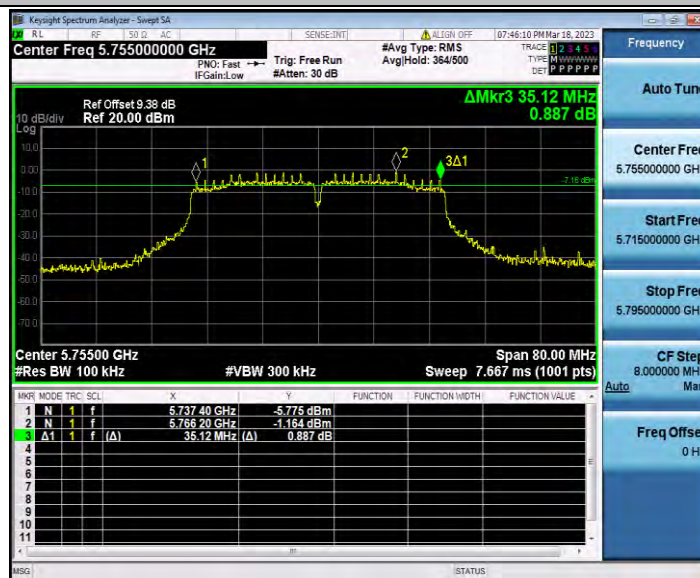
11A\_Ant1\_5825



## 11N20SISO\_Ant1\_5825

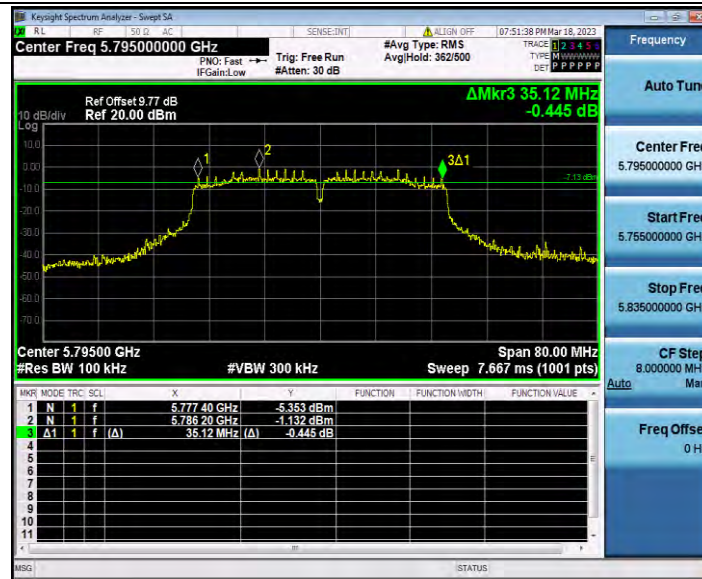


## 11N40SISO\_Ant1\_5755

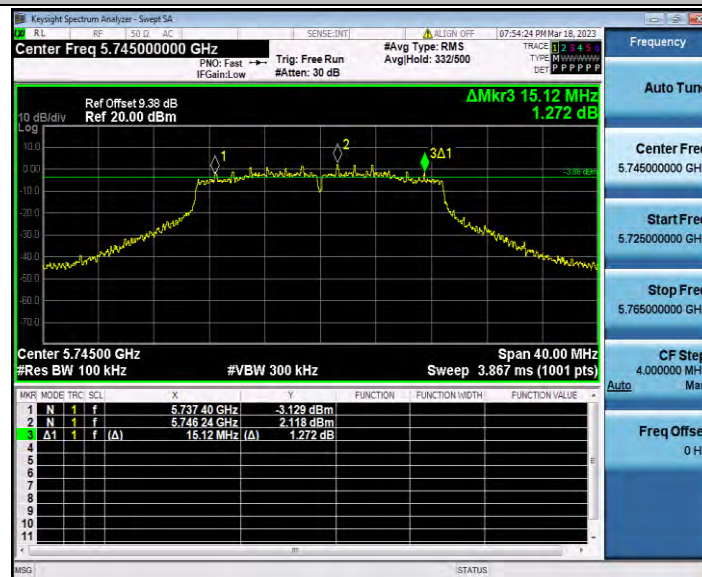


## 11N40SISO\_Ant1\_5795





11AC20SISO\_Ant1\_5745



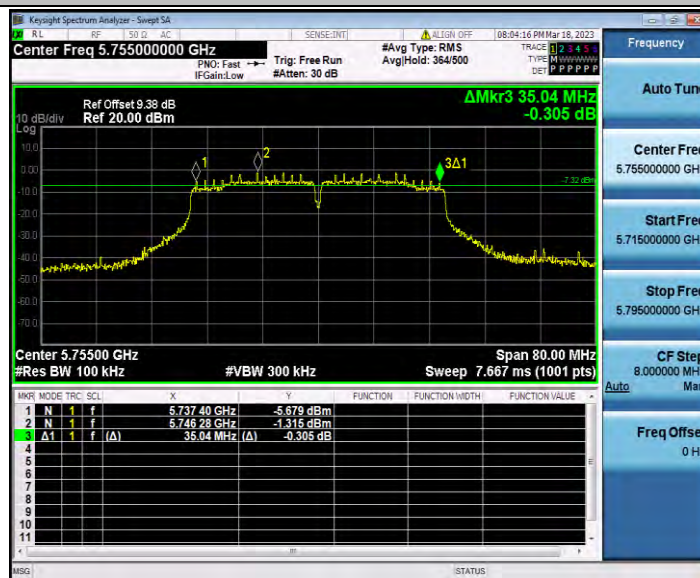
11AC20SISO\_Ant1\_5785



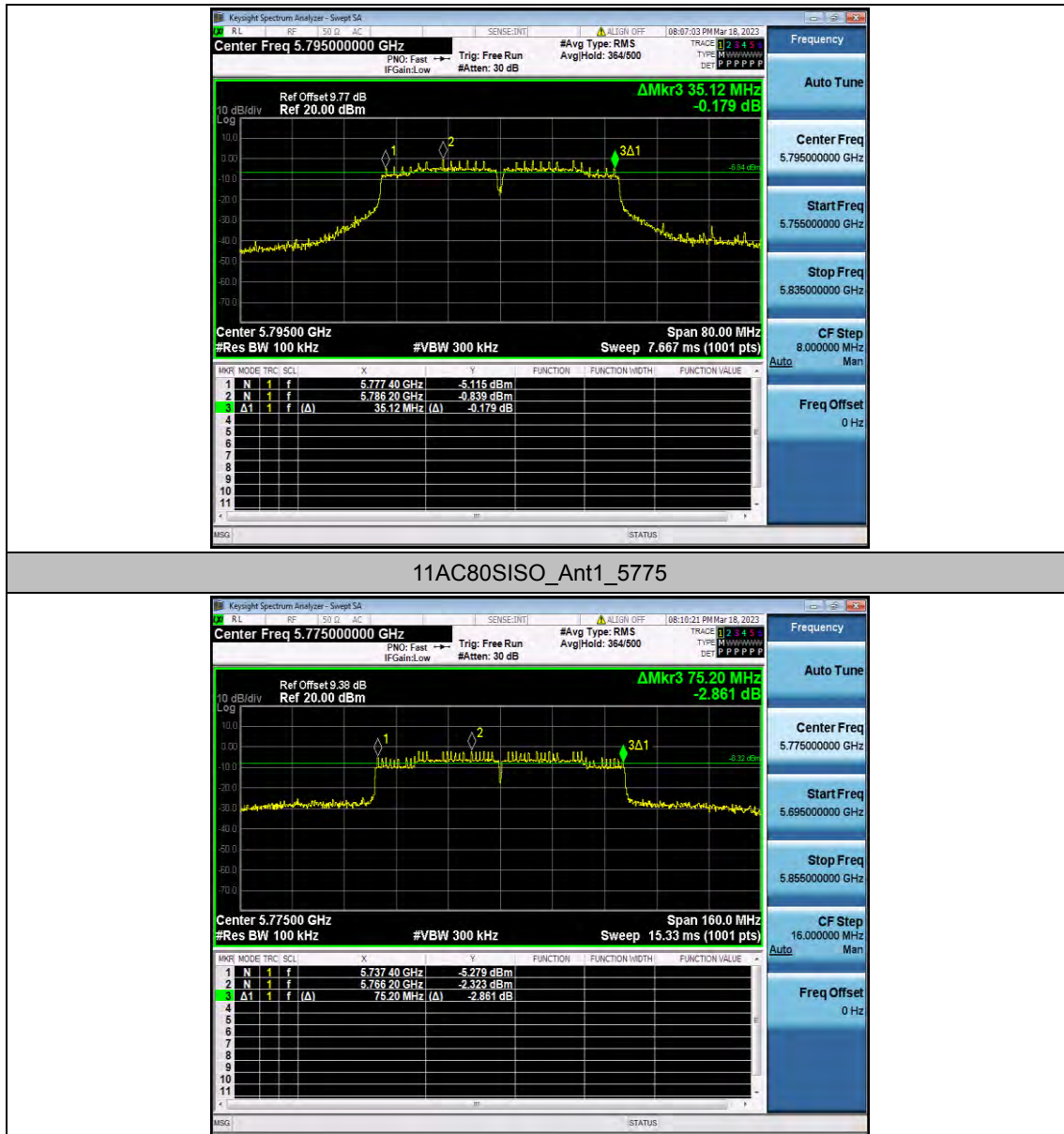
## 11AC20SISO\_Ant1\_5825



## 11AC40SISO\_Ant1\_5755



## 11AC40SISO\_Ant1\_5795





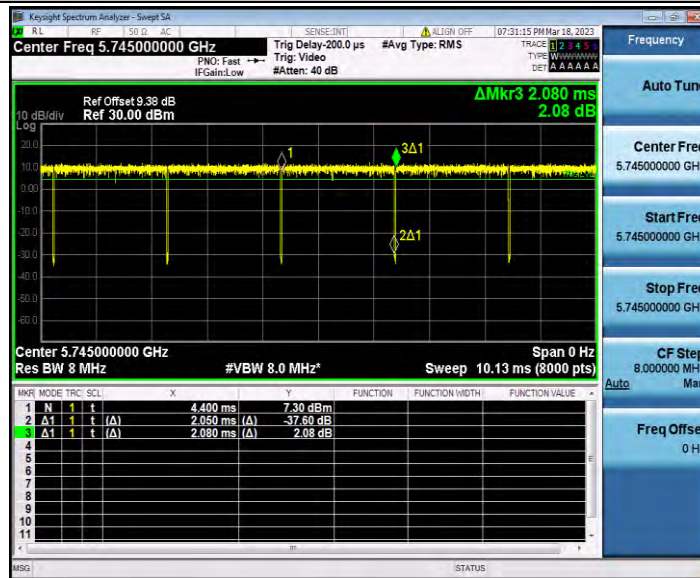
## Appendix E.3: Duty Cycle

### Test Result

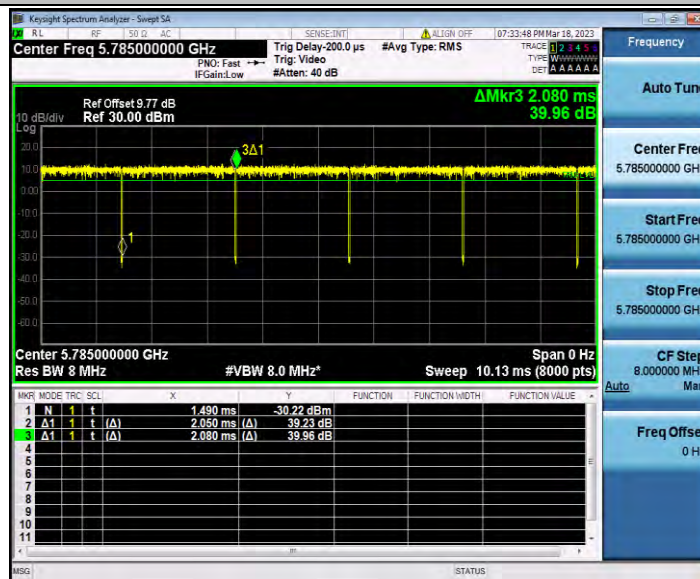
| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5745           | 2.05                       | 2.08                     | 98.56          |
|            |         | 5785           | 2.05                       | 2.08                     | 98.56          |
|            |         | 5825           | 2.04                       | 2.07                     | 98.55          |
| 11N20SISO  | Ant1    | 5745           | 1.91                       | 1.94                     | 98.45          |
|            |         | 5785           | 1.91                       | 1.93                     | 98.96          |
|            |         | 5825           | 1.91                       | 1.94                     | 98.45          |
| 11N40SISO  | Ant1    | 5755           | 0.93                       | 0.96                     | 96.88          |
|            |         | 5795           | 0.94                       | 0.97                     | 96.91          |
| 11AC20SISO | Ant1    | 5745           | 1.92                       | 1.94                     | 98.97          |
|            |         | 5785           | 1.92                       | 1.94                     | 98.97          |
|            |         | 5825           | 1.92                       | 1.95                     | 98.46          |
| 11AC40SISO | Ant1    | 5755           | 0.94                       | 0.97                     | 96.91          |
|            |         | 5795           | 0.95                       | 0.97                     | 97.94          |
| 11AC80SISO | Ant1    | 5775           | 0.44                       | 0.47                     | 93.62          |

## Test Graphs

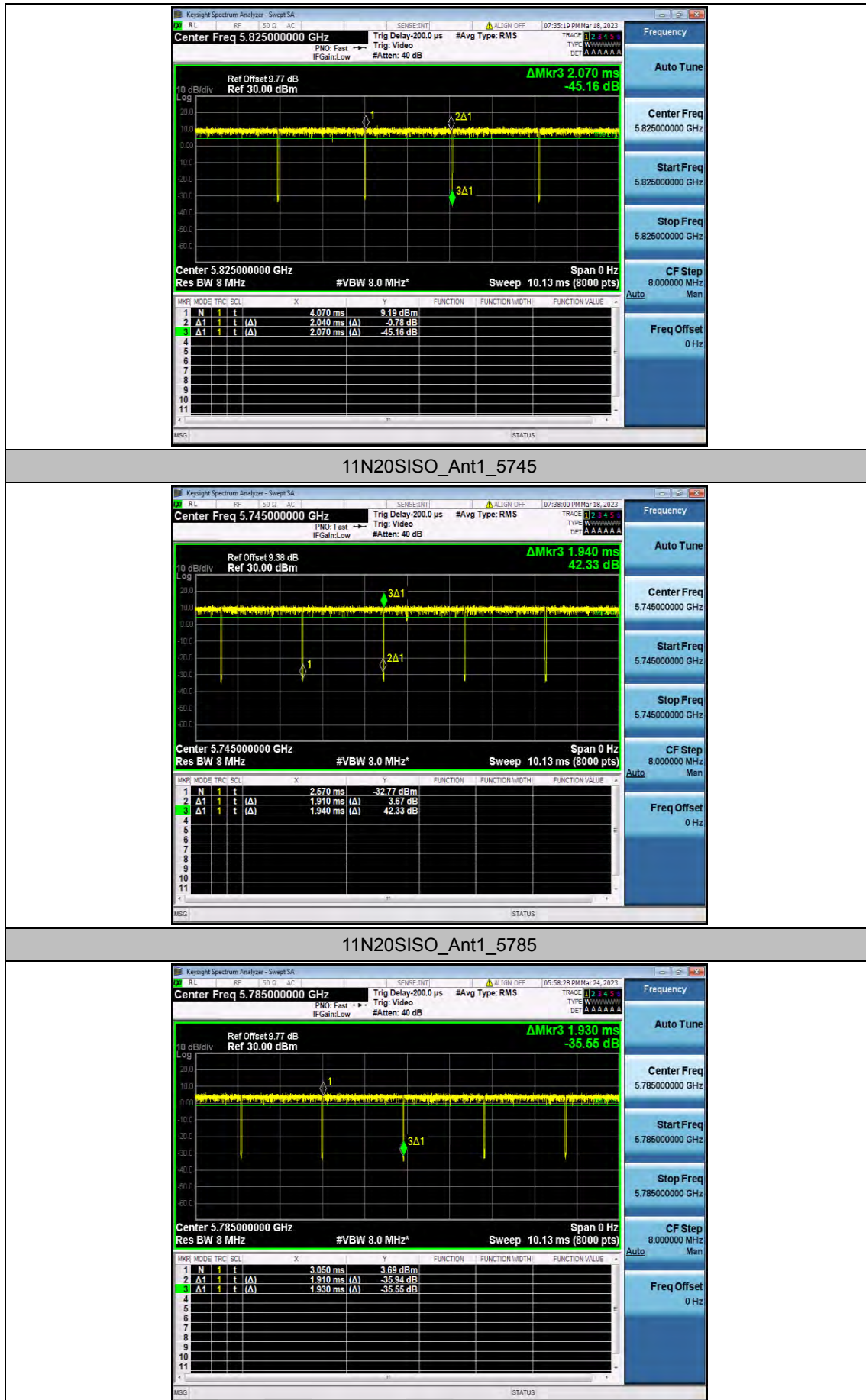
11A\_Ant1\_5745



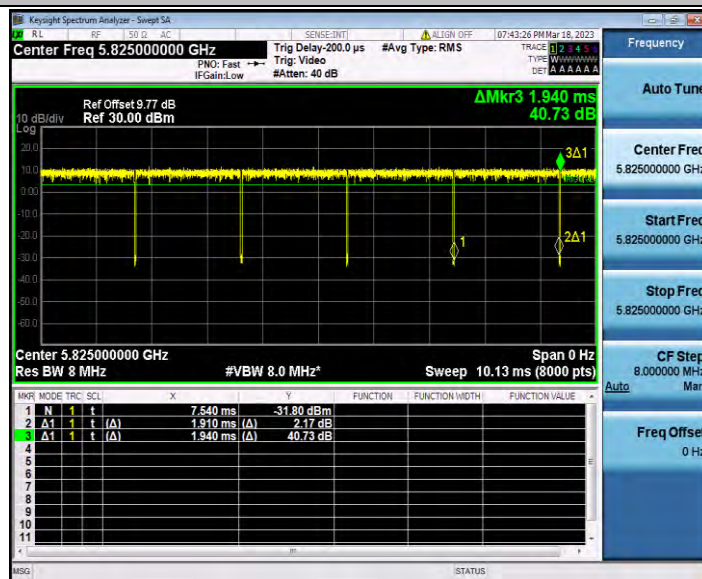
11A\_Ant1\_5785



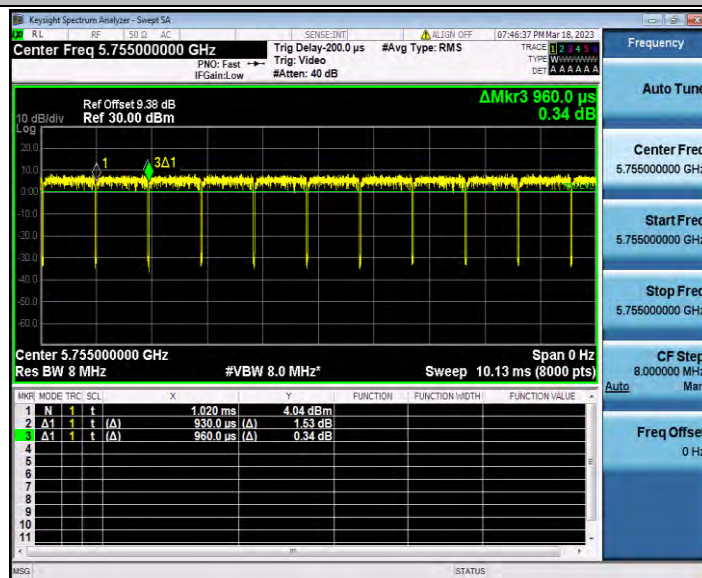
11A\_Ant1\_5825



## 11N20SISO\_Ant1\_5825

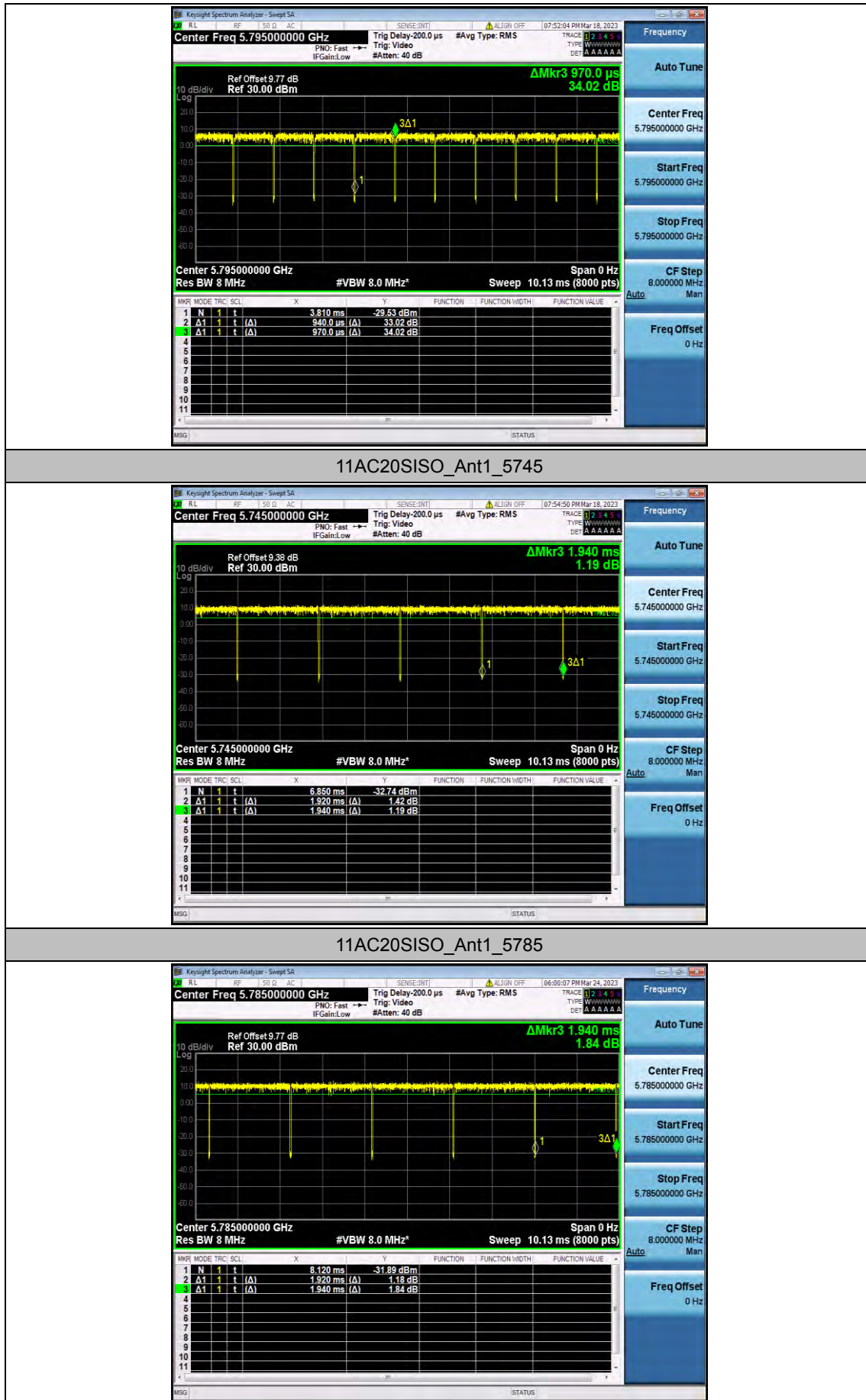


## 11N40SISO\_Ant1\_5755



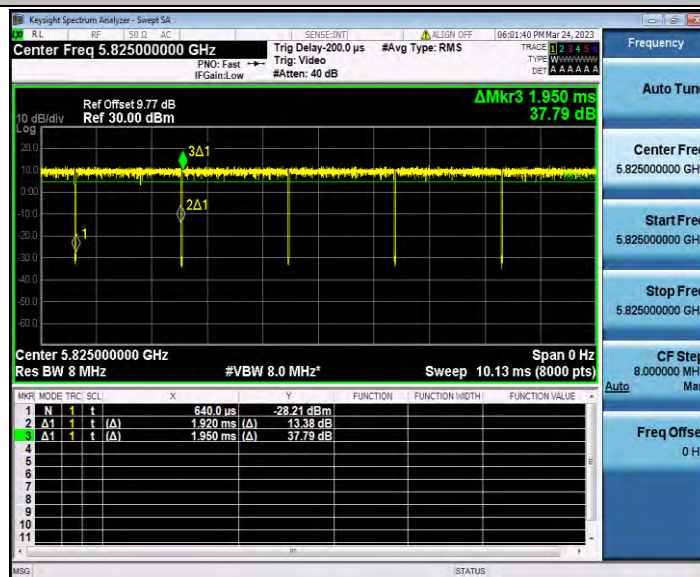
## 11N40SISO\_Ant1\_5795



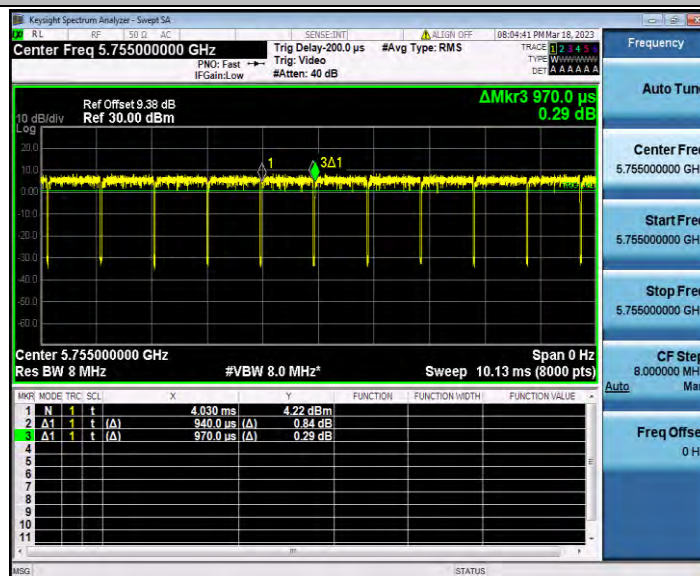




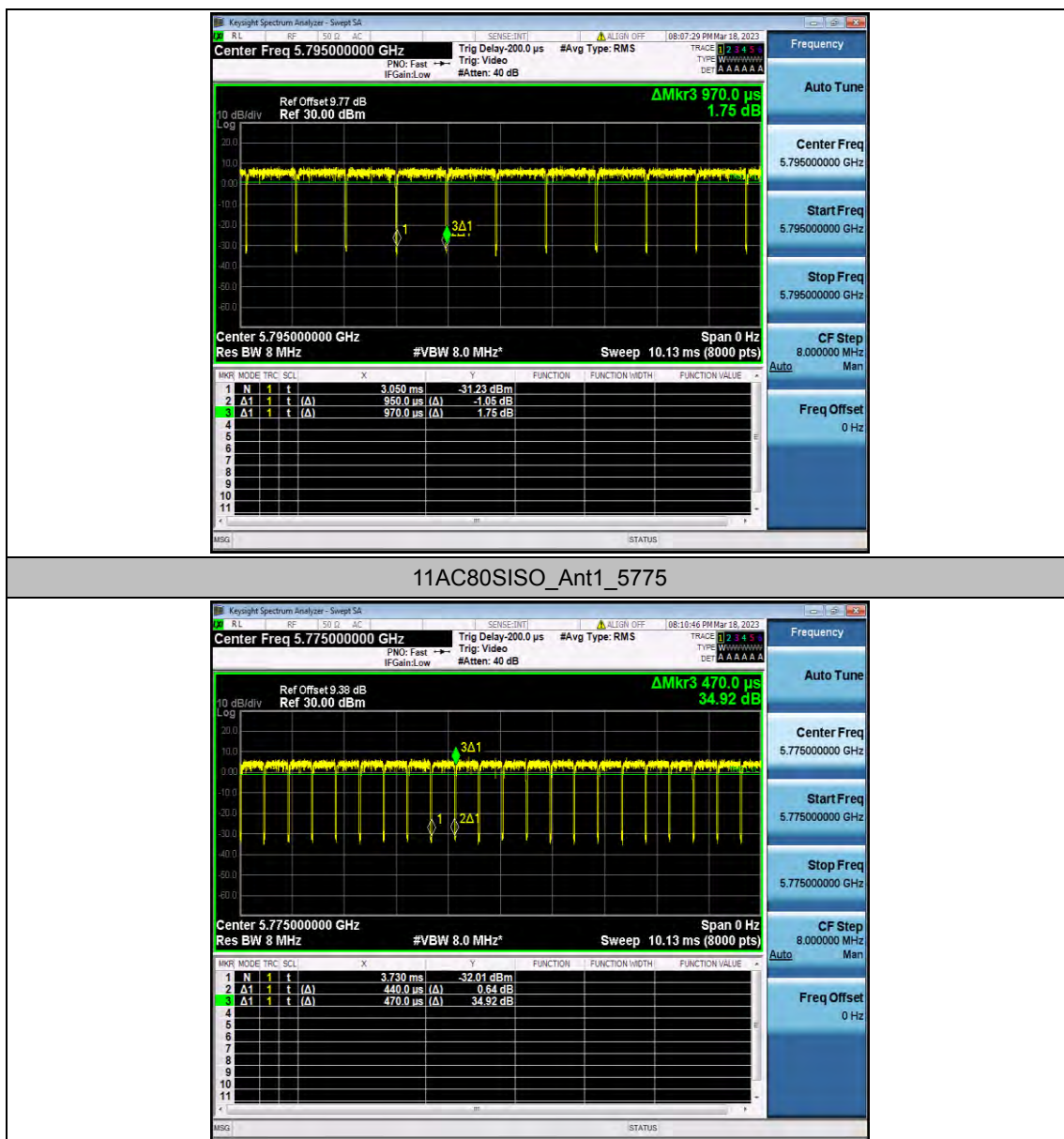
## 11AC20SISO\_Ant1\_5825



## 11AC40SISO\_Ant1\_5755



## 11AC40SISO\_Ant1\_5795



## 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            | 12.02               | 98.56          | 0.06            | 12.08        | ≤30.00      | PASS    |
|            |         | 5785            | 12.43               | 98.56          | 0.06            | 12.49        | ≤30.00      | PASS    |
|            |         | 5825            | 11.61               | 98.55          | 0.06            | 11.67        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 5745            | 11.92               | 98.45          | 0.07            | 11.99        | ≤30.00      | PASS    |
|            |         | 5785            | 6.29                | 98.96          | 0.05            | 6.34         | ≤30.00      | PASS    |
|            |         | 5825            | 11.45               | 98.45          | 0.07            | 11.52        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 5755            | 11.62               | 96.88          | 0.14            | 11.76        | ≤30.00      | PASS    |
|            |         | 5795            | 11.94               | 96.91          | 0.14            | 12.08        | ≤30.00      | PASS    |
| 11AC20SISO | Ant1    | 5745            | 11.92               | 98.97          | 0.04            | 11.96        | ≤30.00      | PASS    |
|            |         | 5785            | 12.94               | 98.97          | 0.04            | 12.98        | ≤30.00      | PASS    |
|            |         | 5825            | 12.22               | 98.46          | 0.07            | 12.29        | ≤30.00      | PASS    |
| 11AC40SISO | Ant1    | 5755            | 11.58               | 96.91          | 0.14            | 11.72        | ≤30.00      | PASS    |
|            |         | 5795            | 11.89               | 97.94          | 0.09            | 11.98        | ≤30.00      | PASS    |
| 11AC80SISO | Ant1    | 5775            | 13.41               | 93.62          | 0.29            | 13.70        | ≤30.00      | PASS    |

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

## Appendix E.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5745           | -1.79            | ≤30.00         | PASS    |
|            |         | 5785           | -1.38            | ≤30.00         | PASS    |
|            |         | 5825           | -2.12            | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5745           | -2.04            | ≤30.00         | PASS    |
|            |         | 5785           | -7.68            | ≤30.00         | PASS    |
|            |         | 5825           | -2.09            | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5755           | -5.48            | ≤30.00         | PASS    |
|            |         | 5795           | -4.64            | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5745           | -2.11            | ≤30.00         | PASS    |
|            |         | 5785           | -1.1             | ≤30.00         | PASS    |
|            |         | 5825           | -1.51            | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5755           | -5.24            | ≤30.00         | PASS    |
|            |         | 5795           | -4.99            | ≤30.00         | PASS    |
| 11AC80SISO | Ant1    | 5775           | -6.45            | ≤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



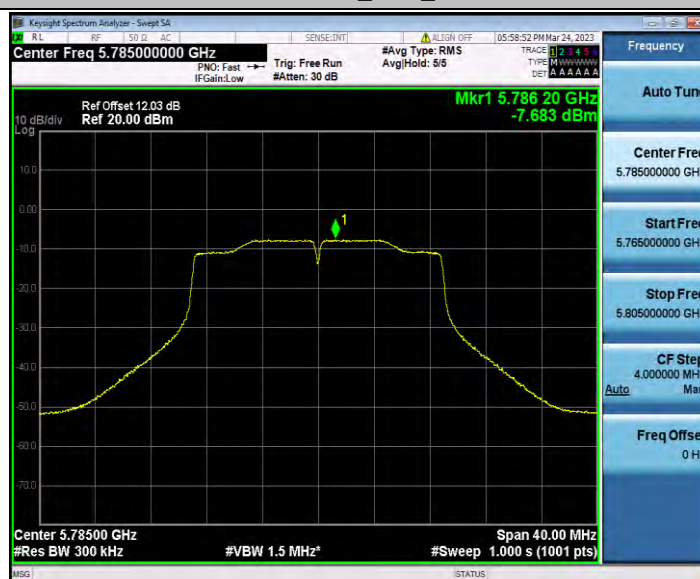
11A\_Ant1\_5825



11N20SISO\_Ant1\_5745



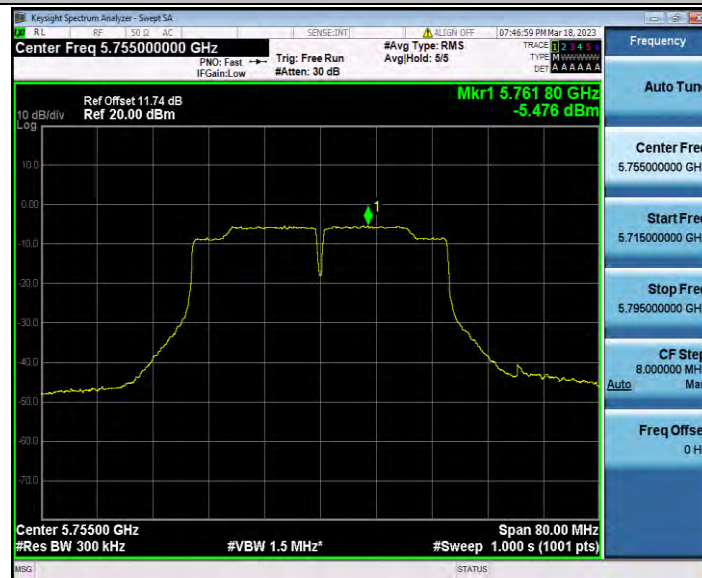
11N20SISO\_Ant1\_5785



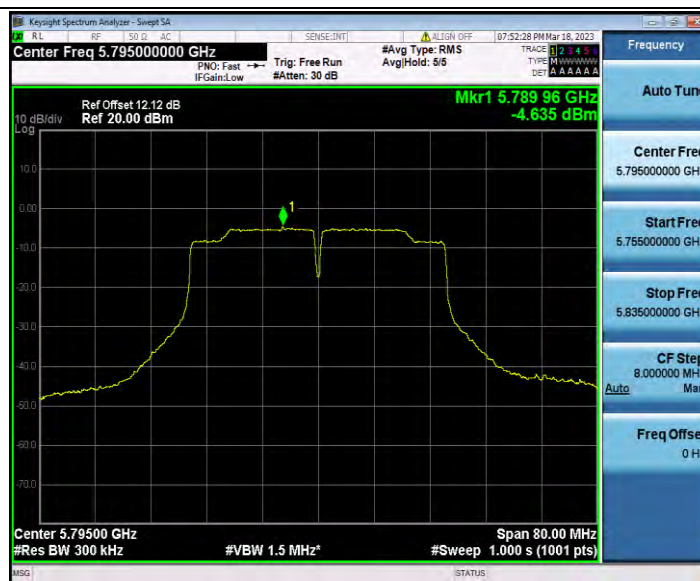
## 11N20SISO\_Ant1\_5825



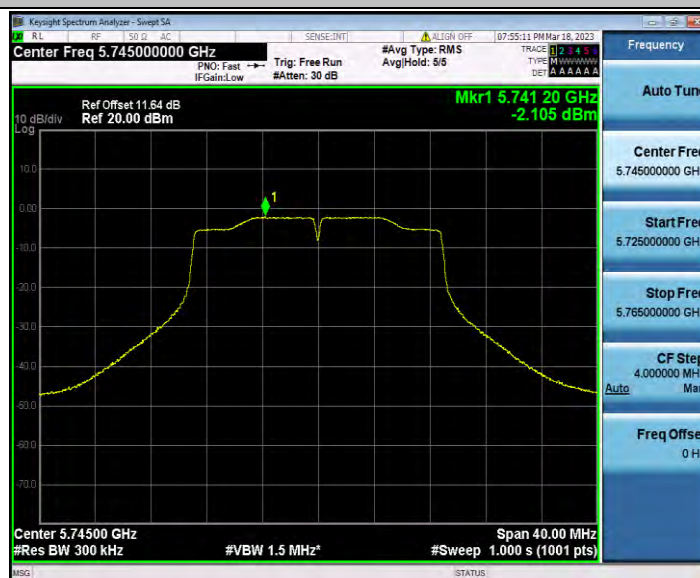
## 11N40SISO\_Ant1\_5755



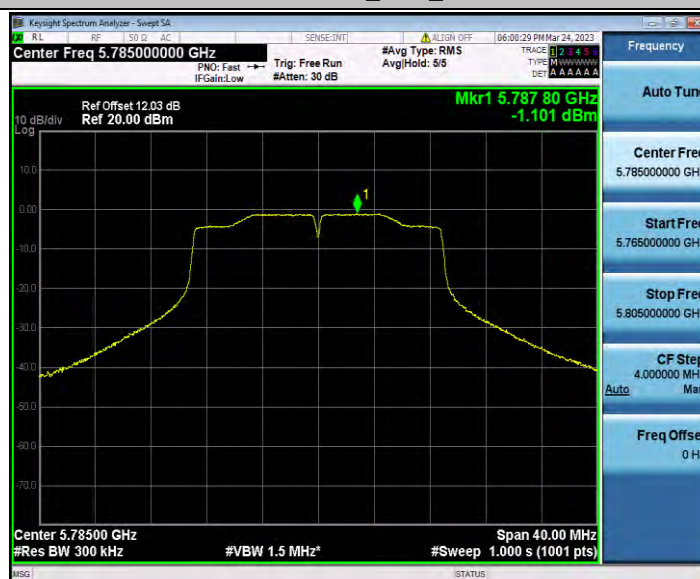
## 11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785





## 11AC20SISO\_Ant1\_5825

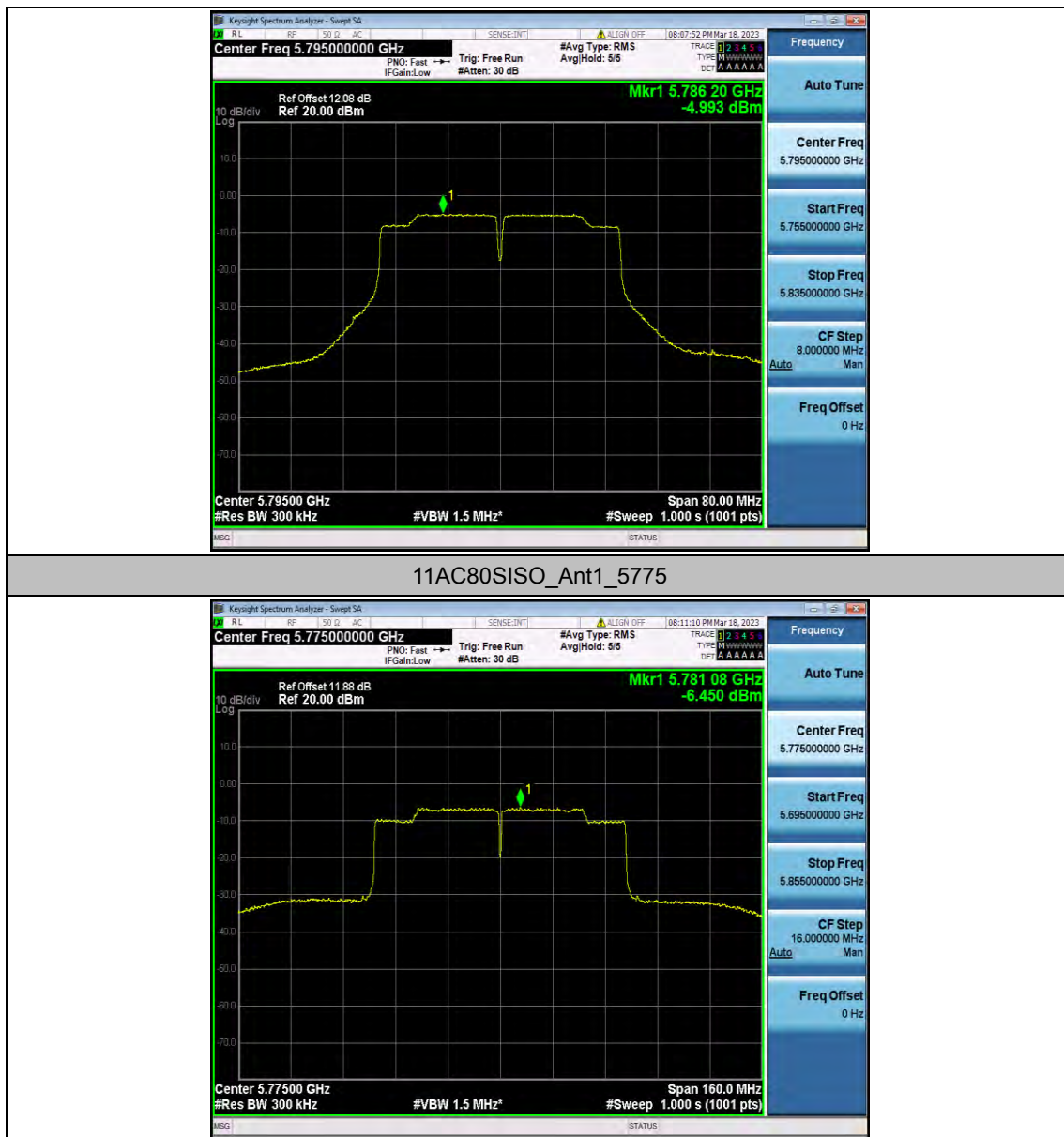


## 11AC40SISO\_Ant1\_5755



## 11AC40SISO\_Ant1\_5795





## Appendix E.6: Band edge measurements

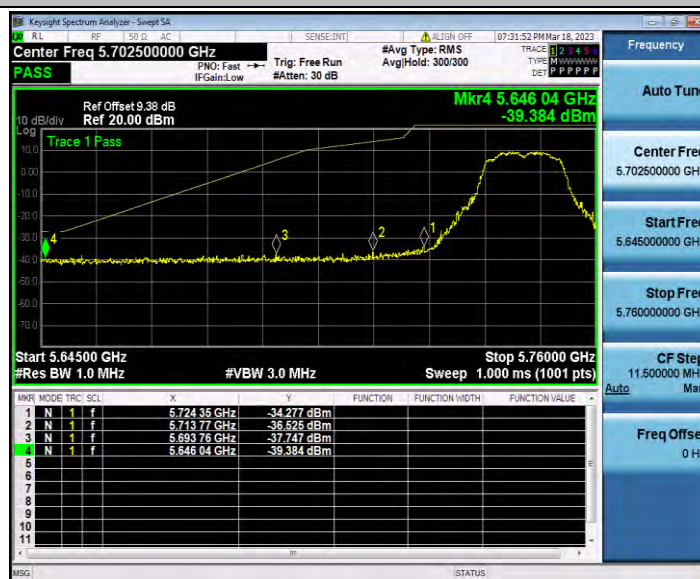
### Test Result B4

| TestMode       | Antenna | ChName | Frequency[MHz] | FreqRange [MHz] | Result [dBm] | Limit [dBm] | Verdict |
|----------------|---------|--------|----------------|-----------------|--------------|-------------|---------|
| 11A            | Ant1    | Low    | 5745           | 5650~5700       | -37.75       | ≤5.38       | PASS    |
|                |         |        |                | 5700~5720       | -36.53       | ≤13.86      | PASS    |
|                |         |        |                | 5720~5725       | -34.28       | ≤25.52      | PASS    |
|                |         |        |                | 5760~5650       | -39.38       | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -37.79       | ≤20.41      | PASS    |
|                |         |        |                | 5855~5875       | -37.86       | ≤13.95      | PASS    |
|                |         |        |                | 5875~5925       | -38.41       | ≤-5.38      | PASS    |
|                |         |        |                | 5925~5935       | -38.58       | ≤-27        | PASS    |
| 11N20SI<br>SO  | Ant1    | Low    | 5745           | 5650~5700       | -37.76       | ≤4.79       | PASS    |
|                |         |        |                | 5700~5720       | -35.61       | ≤15.47      | PASS    |
|                |         |        |                | 5720~5725       | -33.94       | ≤25.52      | PASS    |
|                |         |        |                | 5760~5650       | -38.5        | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -37.97       | ≤16.10      | PASS    |
|                |         |        |                | 5855~5875       | -37.84       | ≤13.01      | PASS    |
|                |         |        |                | 5875~5925       | -37.11       | ≤-19.36     | PASS    |
|                |         |        |                | 5925~5935       | -38.75       | ≤-27        | PASS    |
| 11N40SI<br>SO  | Ant1    | Low    | 5755           | 5650~5700       | -36.07       | ≤-0.53      | PASS    |
|                |         |        |                | 5700~5720       | -33.56       | ≤15.16      | PASS    |
|                |         |        |                | 5720~5725       | -33.76       | ≤26.51      | PASS    |
|                |         |        |                | 5780~5650       | -39.37       | ≤-27        | PASS    |
|                |         | High   | 5795           | 5850~5855       | -38.05       | ≤17.16      | PASS    |
|                |         |        |                | 5855~5875       | -37.47       | ≤13.78      | PASS    |
|                |         |        |                | 5875~5925       | -37.78       | ≤-4.33      | PASS    |
|                |         |        |                | 5925~5935       | -39.14       | ≤-27        | PASS    |
| 11AC20S<br>ISO | Ant1    | Low    | 5745           | 5650~5700       | -37.21       | ≤-14.79     | PASS    |
|                |         |        |                | 5700~5720       | -35.79       | ≤14.24      | PASS    |
|                |         |        |                | 5720~5725       | -34.01       | ≤23.94      | PASS    |
|                |         |        |                | 5760~5650       | -39.28       | ≤-27        | PASS    |
|                |         | High   | 5825           | 5850~5855       | -32.57       | ≤17.33      | PASS    |
|                |         |        |                | 5855~5875       | -34.24       | ≤10.14      | PASS    |
|                |         |        |                | 5875~5925       | -37.27       | ≤-3.78      | PASS    |
|                |         |        |                | 5925~5935       | -37.89       | ≤-27        | PASS    |
| 11AC40S<br>ISO | Ant1    | Low    | 5755           | 5650~5700       | -35.77       | ≤9.66       | PASS    |
|                |         |        |                | 5700~5720       | -34.13       | ≤13.73      | PASS    |
|                |         |        |                | 5720~5725       | -33.21       | ≤25.59      | PASS    |

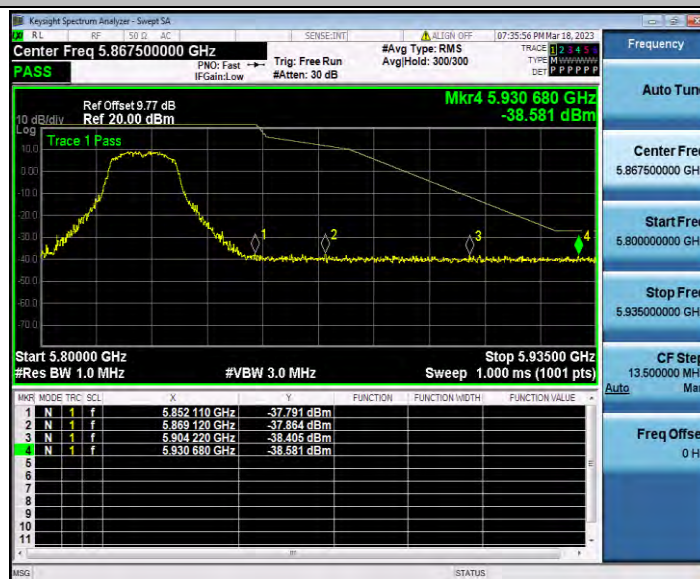
|                |      |      |      |           |        |               |      |
|----------------|------|------|------|-----------|--------|---------------|------|
|                |      | High | 5795 | 5780~5650 | -39.53 | $\leq -27$    | PASS |
|                |      |      |      | 5850~5855 | -38.35 | $\leq 25.81$  | PASS |
|                |      |      |      | 5855~5875 | -37.64 | $\leq 10.96$  | PASS |
|                |      |      |      | 5875~5925 | -37    | $\leq -24.97$ | PASS |
|                |      |      |      | 5925~5935 | -38.22 | $\leq -27$    | PASS |
| 11AC80S<br>ISO | Ant1 | Low  | 5775 | 5650~5700 | -19.47 | $\leq 3.14$   | PASS |
|                |      |      |      | 5700~5720 | -16.57 | $\leq 15.13$  | PASS |
|                |      |      |      | 5720~5725 | -15.53 | $\leq 26.25$  | PASS |
|                |      |      |      | 5800~5650 | -31.03 | $\leq -27$    | PASS |
|                |      | High | 5775 | 5850~5855 | -18.86 | $\leq 22.54$  | PASS |
|                |      |      |      | 5855~5875 | -20.68 | $\leq 11.01$  | PASS |
|                |      |      |      | 5875~5925 | -28.62 | $\leq -26.13$ | PASS |
|                |      |      |      | 5925~5935 | -37.02 | $\leq -27$    | PASS |

## Test Graphs B4

11A\_Ant1\_Low\_5745



11A\_Ant1\_High\_5825



11N20SISO\_Ant1\_Low\_5745



11N20ISO\_Ant1\_High\_5825



11N40ISO\_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



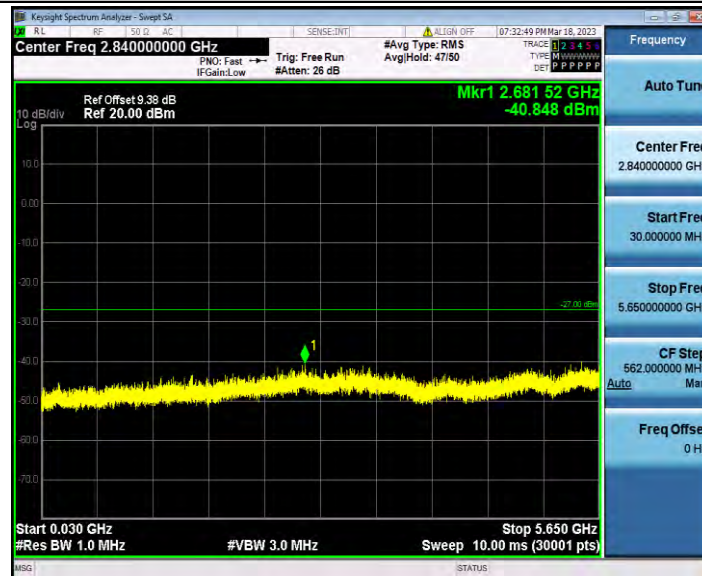
## Appendix E.7: Conducted Spurious Emission

### Test Result

| TestMode   | Antenna | Frequency[MHz] | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5745           | 30~5650         | 2681.52        | -40.85           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 25239.54       | -33.23           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 3172.89        | -40.45           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24759.03       | -31.93           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 5386.23        | -40.49           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 23547.21       | -32.19           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 30~5650         | 5419.39        | -40.18           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24263.06       | -31.93           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 5247.42        | -40.2            | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24404.97       | -31.55           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 2665.97        | -39.96           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 23518.41       | -32.74           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 30~5650         | 5598.67        | -40.71           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24280.62       | -32.5            | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 2817.33        | -40.32           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 24219.51       | -32.22           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 30~5650         | 5614.97        | -40.55           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26447.84       | -32.96           | ≤-27        | PASS    |
|            |         | 5785           | 30~5650         | 5477.84        | -39.03           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26018.61       | -32.09           | ≤-27        | PASS    |
|            |         | 5825           | 30~5650         | 5561.58        | -40.49           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26087.45       | -31.44           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 30~5650         | 4994.15        | -40.18           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 23545.81       | -31.33           | ≤-27        | PASS    |
|            |         | 5795           | 30~5650         | 2669.53        | -40.37           | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 23370.18       | -32.28           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 30~5650         | 5644.75        | -36.7            | ≤-27        | PASS    |
|            |         |                | 5925~40000      | 26694.41       | -32.44           | ≤-27        | PASS    |

## Test Graphs

11A\_Ant1\_5745\_30~5650



11A\_Ant1\_5745\_5925~40000

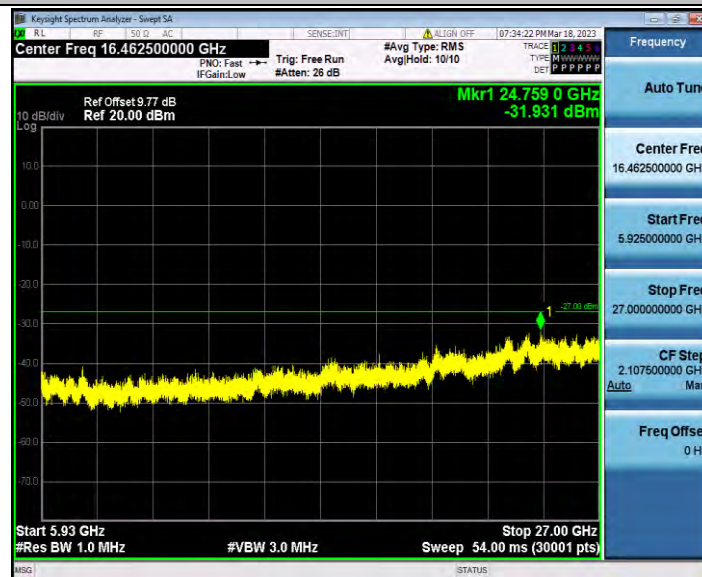


11A\_Ant1\_5785\_30~5650

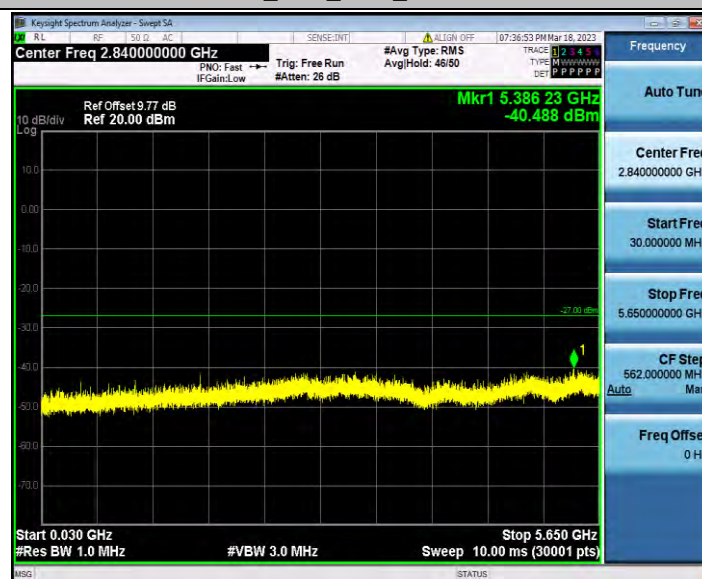




11A\_Ant1\_5785\_5925~40000



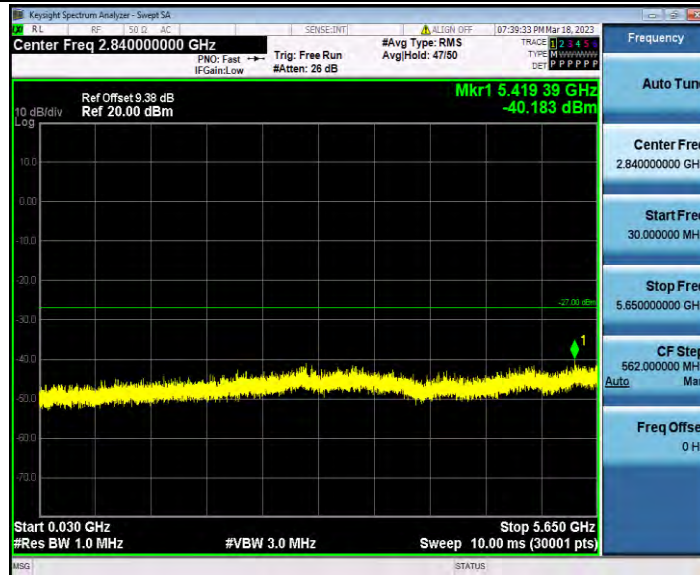
11A\_Ant1\_5825\_30~5650



11A\_Ant1\_5825\_5925~40000



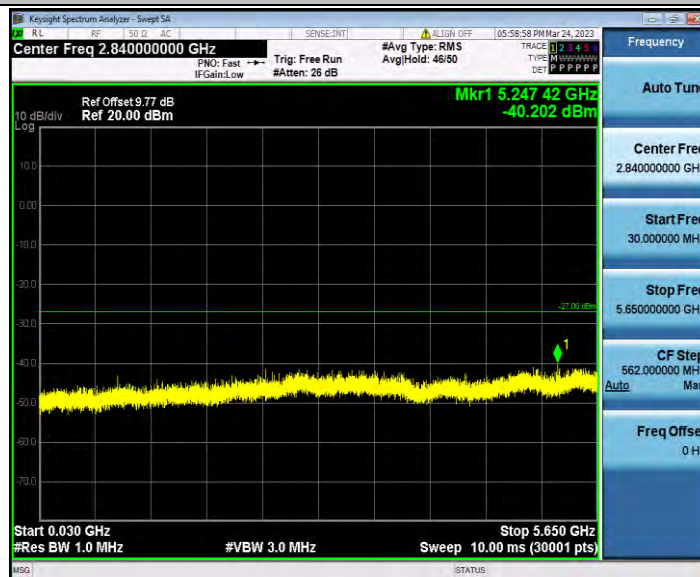
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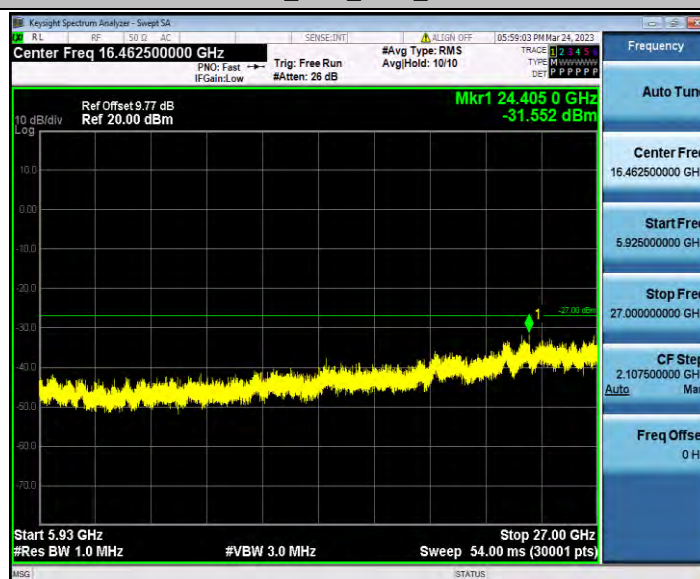
11N20SISO\_Ant1\_5745\_5925~40000



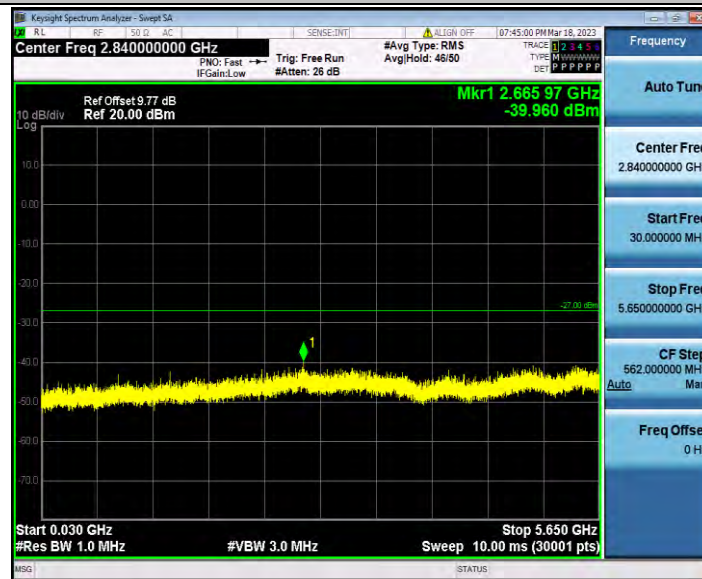
11N20SISO\_Ant1\_5785\_30~5650



11N20SISO\_Ant1\_5785\_5925~40000



## 11N20SISO\_Ant1\_5825\_30~5650



## 11N20SISO\_Ant1\_5825\_5925~40000

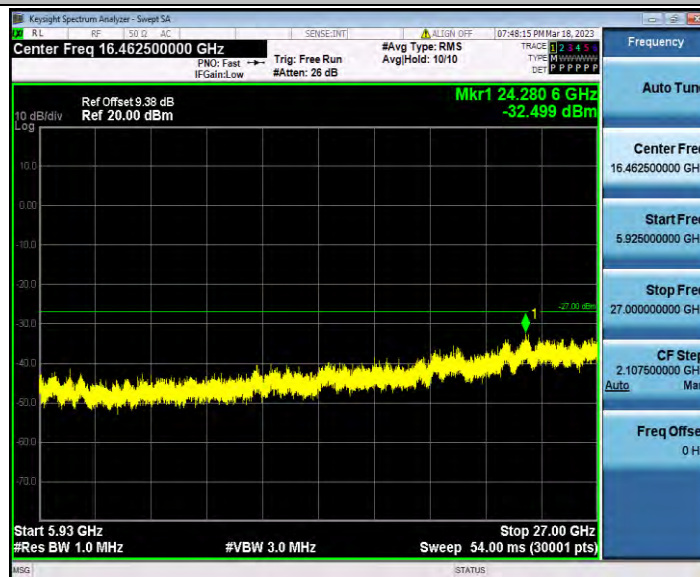


## 11N40SISO\_Ant1\_5755\_30~5650

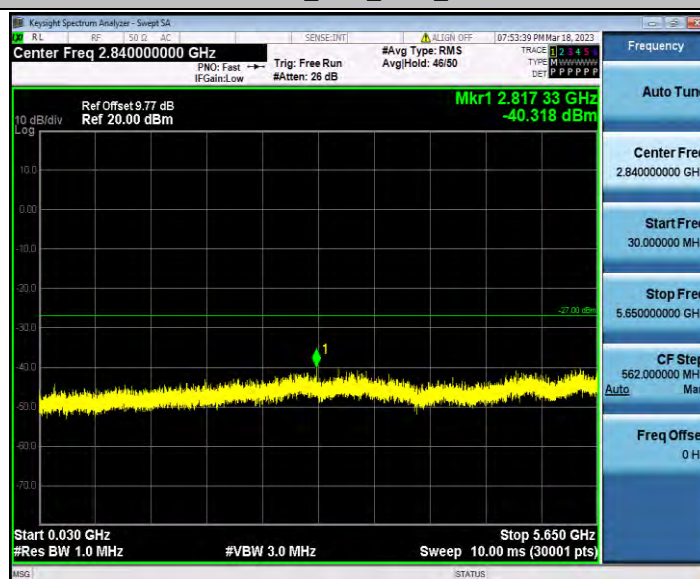




11N40SISO\_Ant1\_5755\_5925~40000

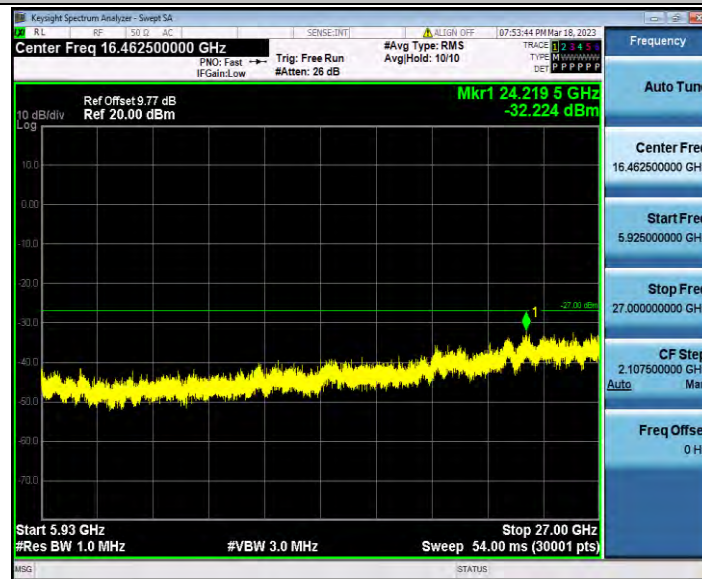


11N40SISO\_Ant1\_5795\_30~5650

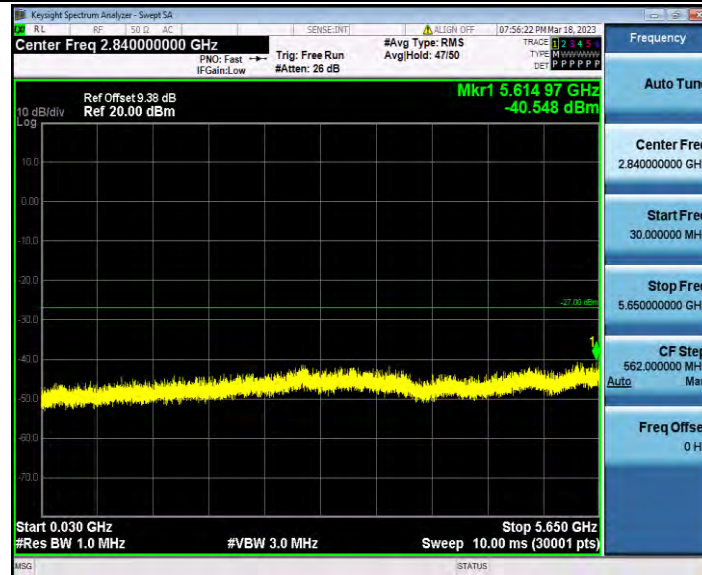




## 11N40SISO\_Ant1\_5795\_5925~40000



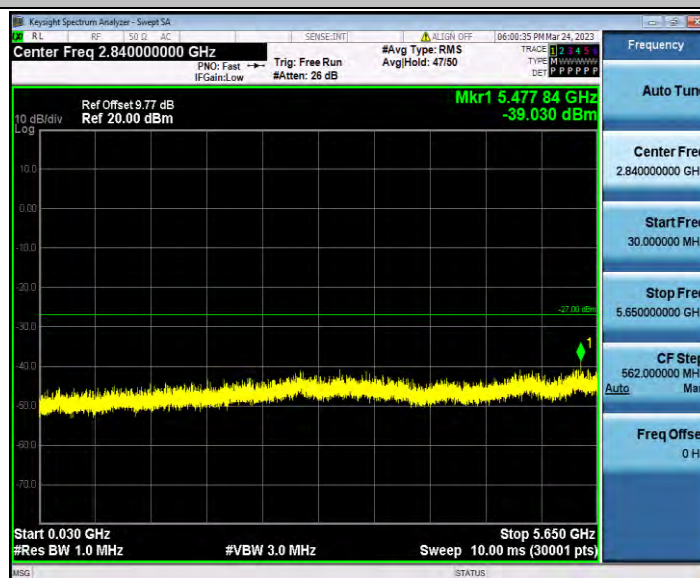
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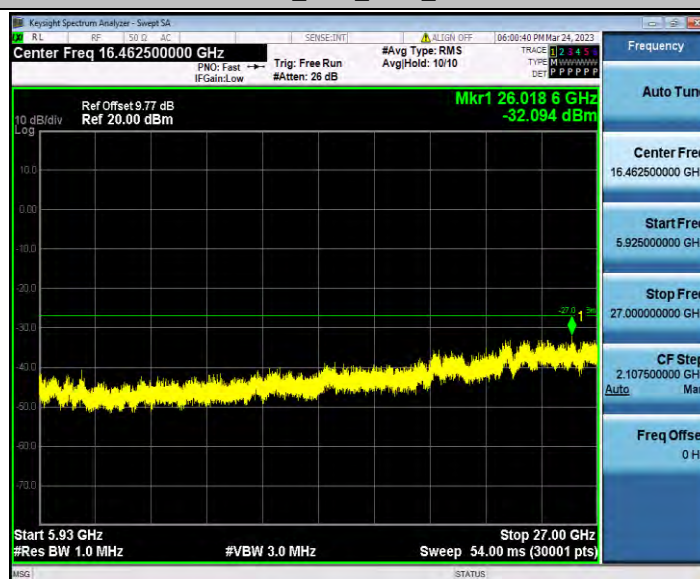
## 11AC20SISO\_Ant1\_5745\_5925~40000



11AC20SISO\_Ant1\_5785\_30~5650



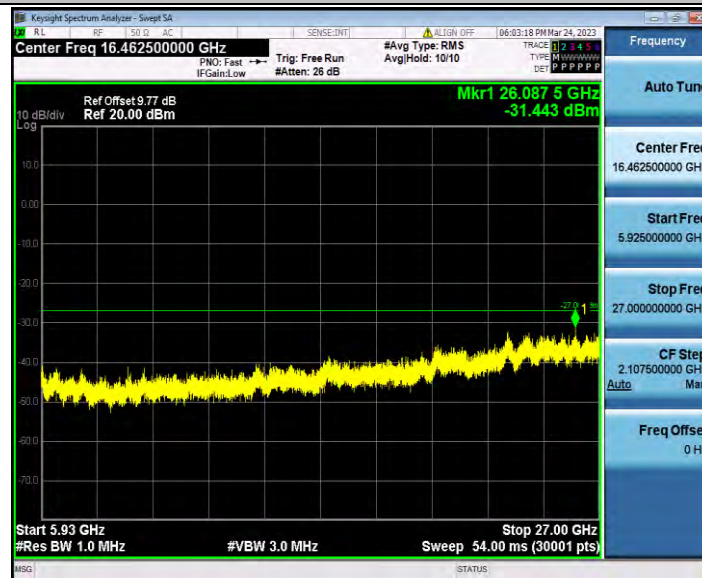
11AC20SISO\_Ant1\_5785\_5925~40000



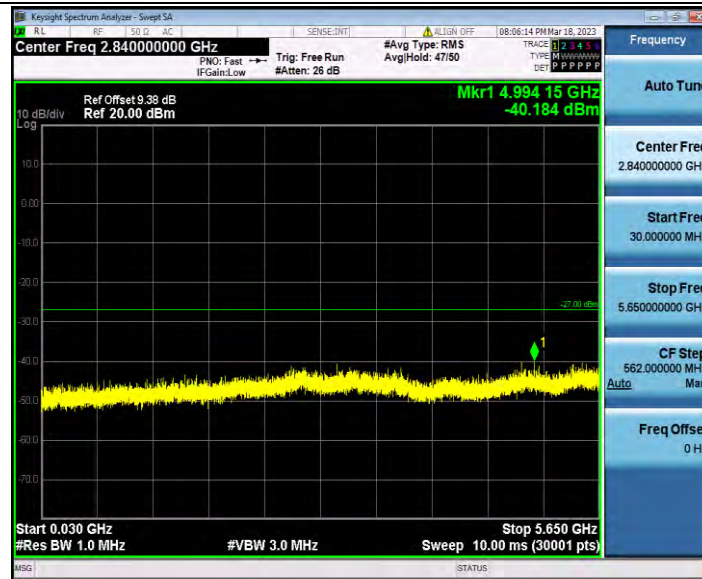
## 11AC20SISO\_Ant1\_5825\_30~5650



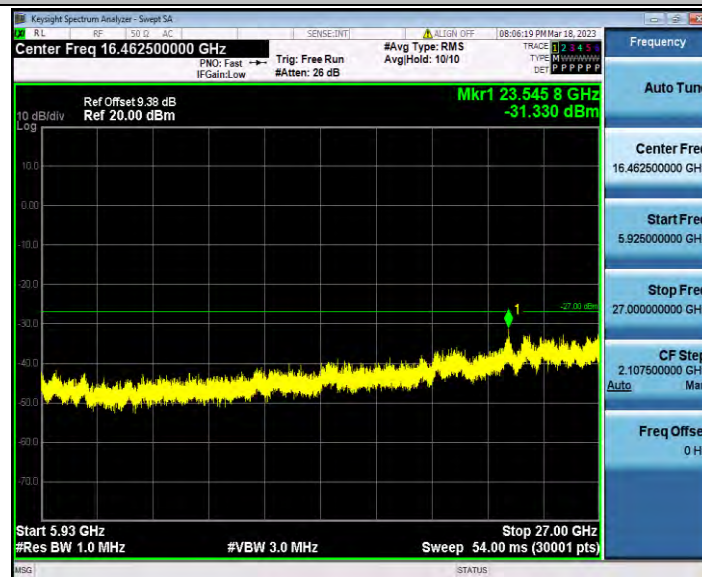
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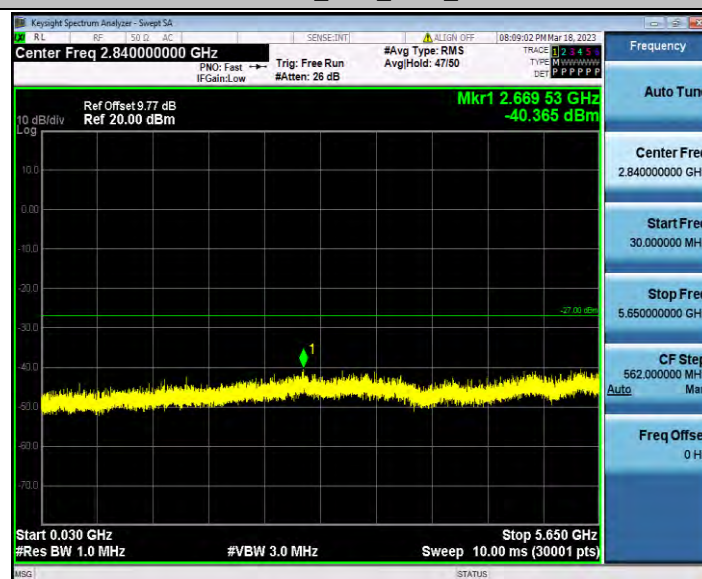
## 11AC40SISO\_Ant1\_5755\_30~5650



11AC40SISO\_Ant1\_5755\_5925~40000

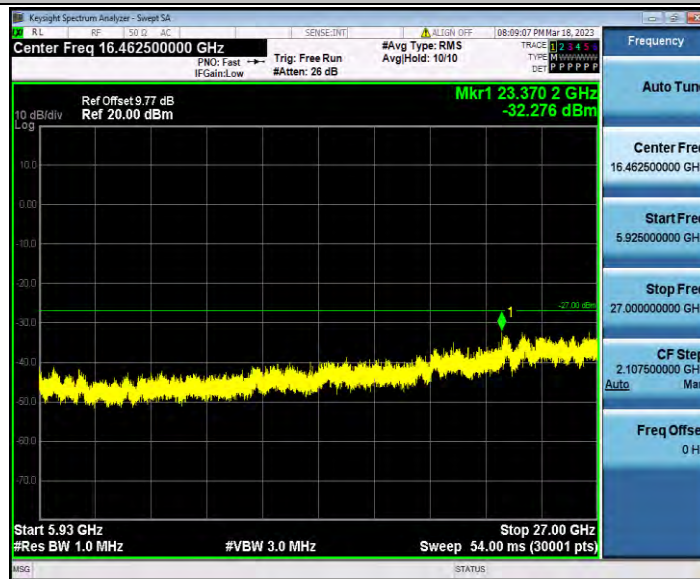


11AC40SISO\_Ant1\_5795\_30~5650

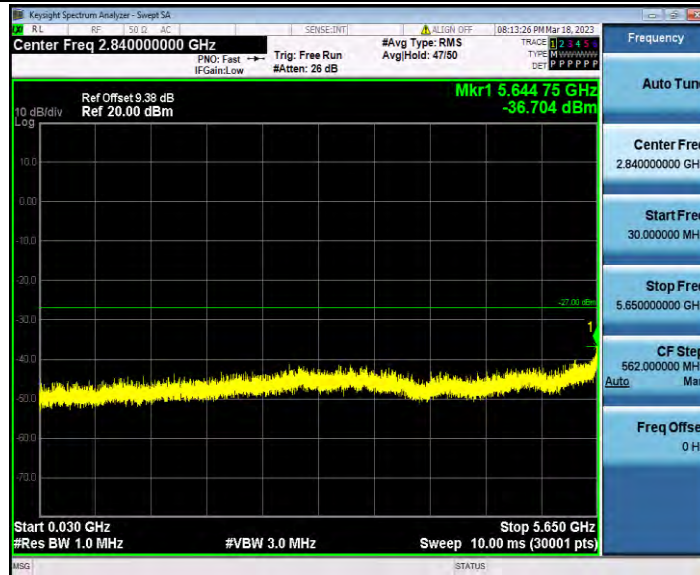




## 11AC40SISO\_Ant1\_5795\_5925~40000



## 11AC80SISO\_Ant1\_5775\_30~5650



## 11AC80SISO\_Ant1\_5775\_5925~40000



