

Appendix D

RF Test Data for 5.8GWIFI (Conducted Measurement)

Product Name: Portable Wireless Display Monitor

Test Model: AUSTA-A9

Environmental Conditions

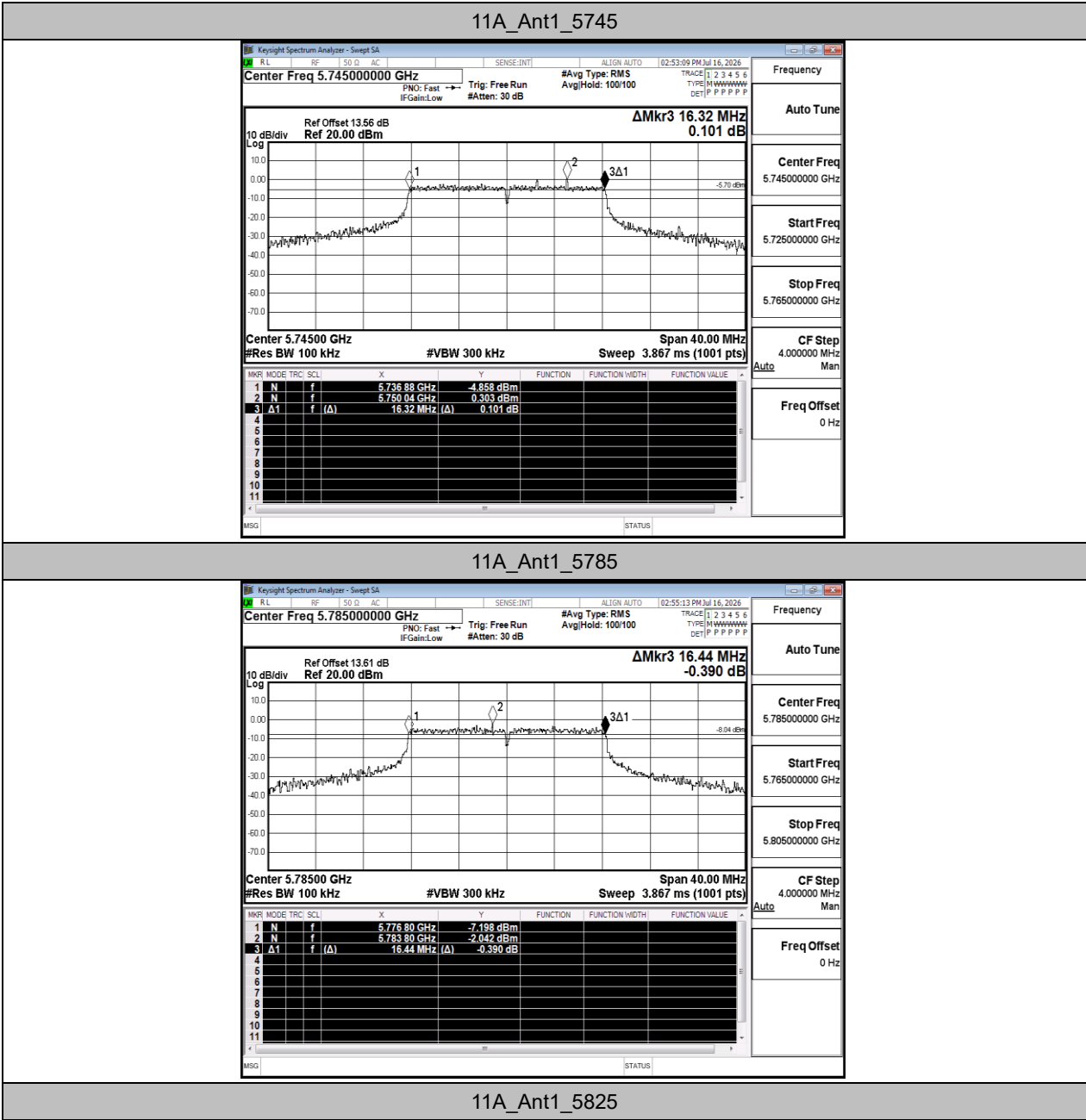
|                    |              |
|--------------------|--------------|
| Temperature:       | 24.6°C       |
| Relative Humidity: | 53.4%        |
| ATM Pressure:      | 100.0 kPa    |
| Test Engineer:     | Zhang hai    |
| Supervised by:     | Fengliu Tang |

## D.1 6dB Bandwidth

### Test Result

| TestMode   | Antenna | Freq (MHz) | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit [MHz] | Verdict |
|------------|---------|------------|---------------|----------|----------|-------------|---------|
| 11A        | Ant1    | 5745       | 16.320        | 5736.880 | 5753.200 | 0.5         | PASS    |
|            |         | 5785       | 16.440        | 5776.800 | 5793.240 | 0.5         | PASS    |
|            |         | 5825       | 16.320        | 5816.880 | 5833.200 | 0.5         | PASS    |
| 11N20SISO  | Ant1    | 5745       | 17.600        | 5736.240 | 5753.840 | 0.5         | PASS    |
|            |         | 5785       | 17.600        | 5776.240 | 5793.840 | 0.5         | PASS    |
|            |         | 5825       | 17.600        | 5816.240 | 5833.840 | 0.5         | PASS    |
| 11N40SISO  | Ant1    | 5755       | 36.240        | 5736.920 | 5773.160 | 0.5         | PASS    |
|            |         | 5795       | 36.240        | 5776.920 | 5813.160 | 0.5         | PASS    |
| 11AC20SISO | Ant1    | 5745       | 17.560        | 5736.240 | 5753.800 | 0.5         | PASS    |
|            |         | 5785       | 17.600        | 5776.240 | 5793.840 | 0.5         | PASS    |
|            |         | 5825       | 17.600        | 5816.240 | 5833.840 | 0.5         | PASS    |
| 11AC40SISO | Ant1    | 5755       | 35.680        | 5736.920 | 5772.600 | 0.5         | PASS    |
|            |         | 5795       | 36.400        | 5776.840 | 5813.240 | 0.5         | PASS    |

Test Graphs



11A\_Ant1\_5785

Keysight Spectrum Analyzer - Swept SA

Center Freq 5.785000000 GHz

Ref Offset 13.61 dB  
Ref 20.00 dBm

10 dB/div  
Log

1

2

3Δ1

ΔMkr3 16.44 MHz  
-0.390 dB

5.80 dBm

Center 5.78500 GHz  
#Res BW 100 kHz  
#VBW 300 kHz  
Span 40.00 MHz  
Sweep 3.867 ms (1001 pts)

| NKRI | MODE | TRC | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|------|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1    | N    | f   |     | 5.776 80 GHz  | -7.198 dBm |          |                |                |
| 2    | N    | f   |     | 5.783 80 GHz  | -2.042 dBm |          |                |                |
| 3    | Δ1   | f   | (Δ) | 16.44 MHz (Δ) | -0.390 dB  |          |                |                |
| 4    |      |     |     |               |            |          |                |                |
| 5    |      |     |     |               |            |          |                |                |
| 6    |      |     |     |               |            |          |                |                |
| 7    |      |     |     |               |            |          |                |                |
| 8    |      |     |     |               |            |          |                |                |
| 9    |      |     |     |               |            |          |                |                |
| 10   |      |     |     |               |            |          |                |                |
| 11   |      |     |     |               |            |          |                |                |

MSG

STATUS

Frequency

Auto Tune

Center Freq  
5.785000000 GHz

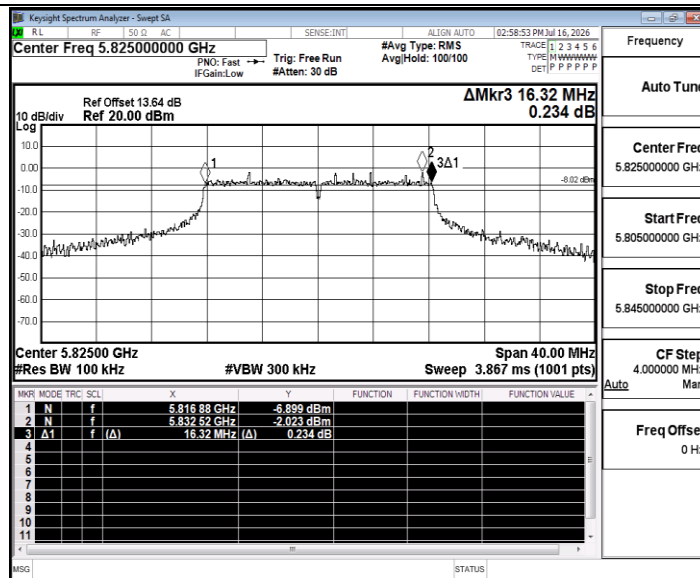
Start Freq  
5.765000000 GHz

Stop Freq  
5.805000000 GHz

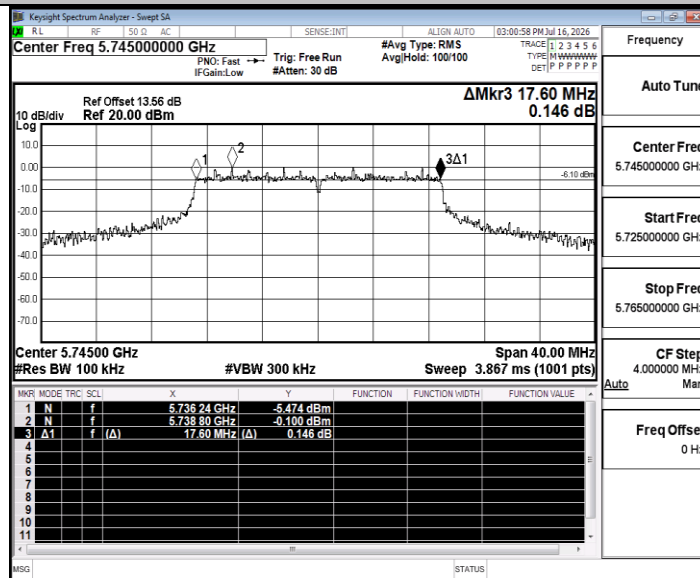
CF Step  
4.000000 MHz  
Auto  
Man

Freq Offset  
0 Hz

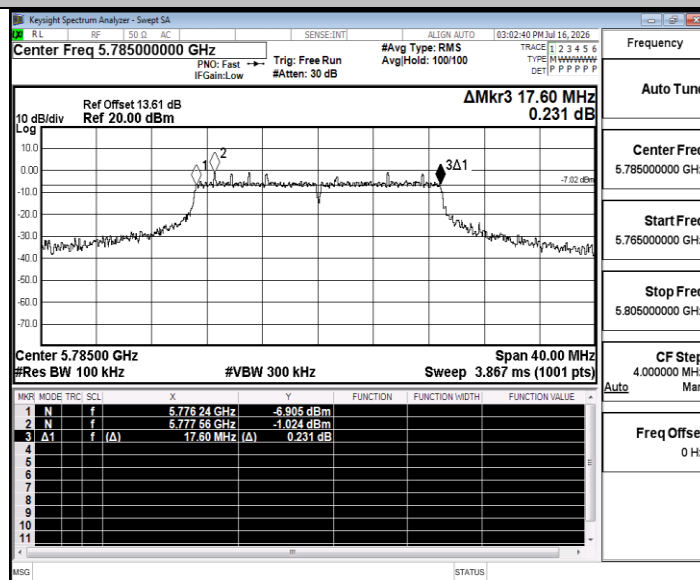
11A\_Ant1\_5825



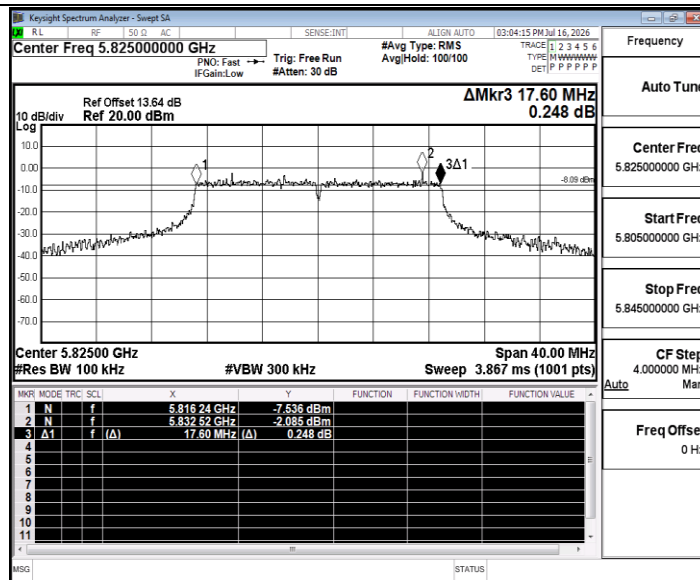
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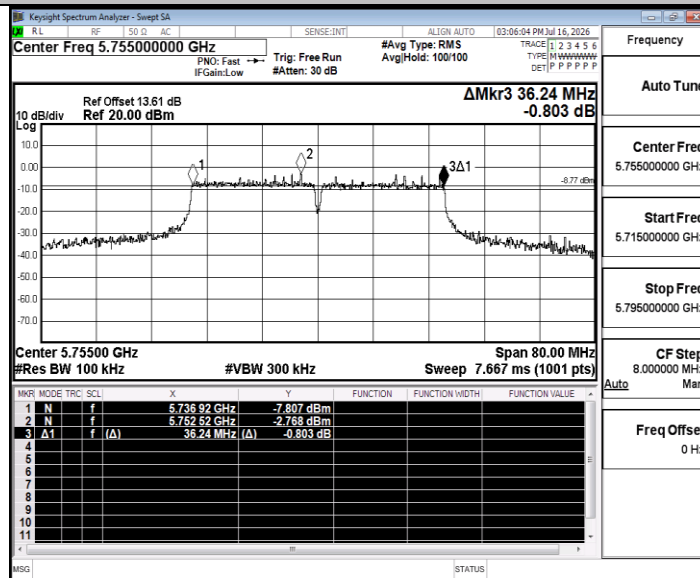
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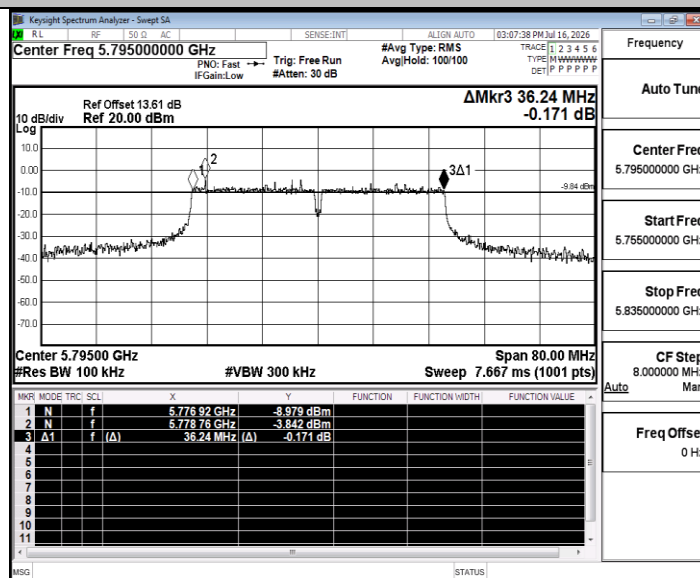
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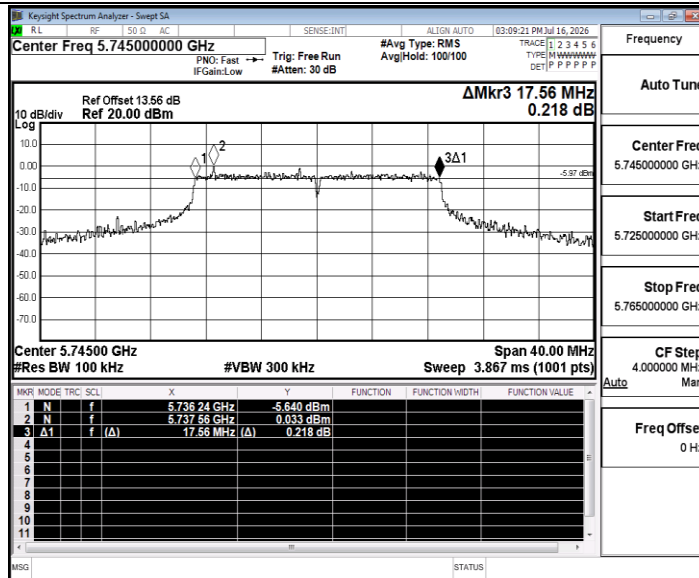
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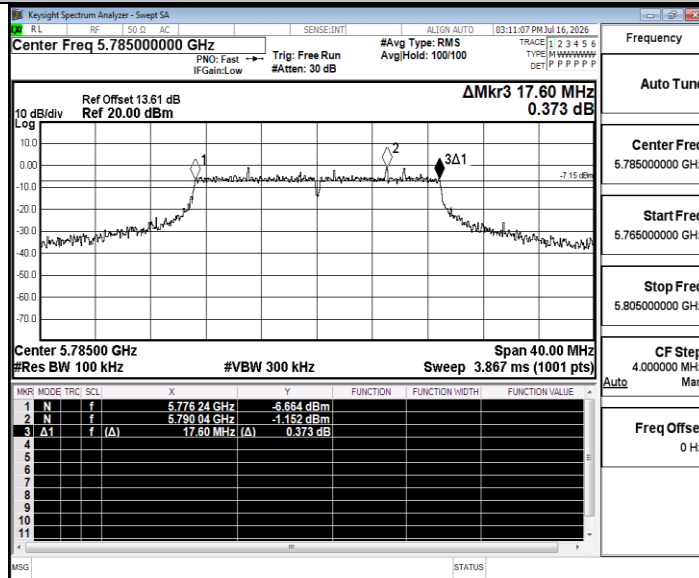
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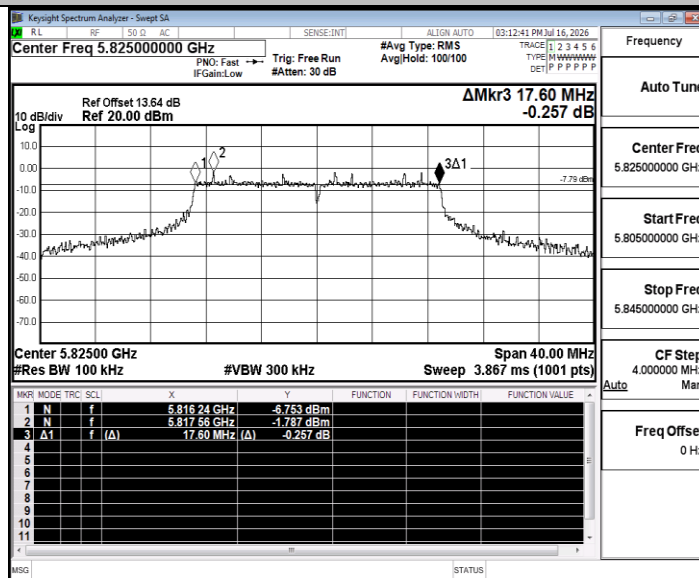
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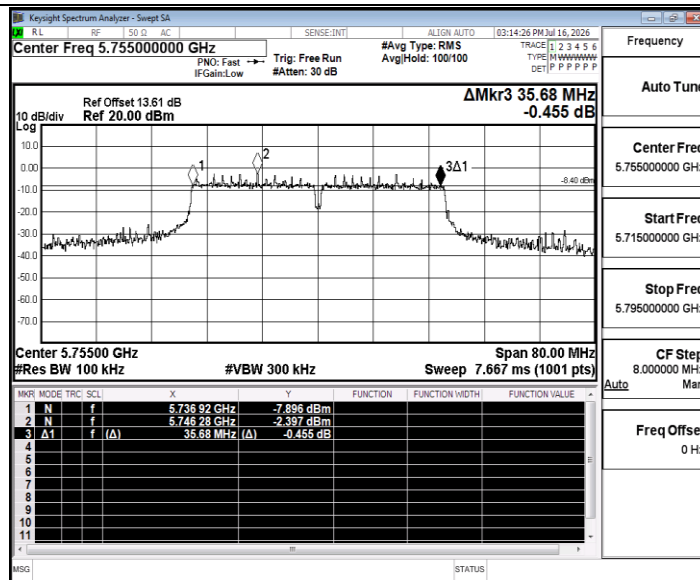
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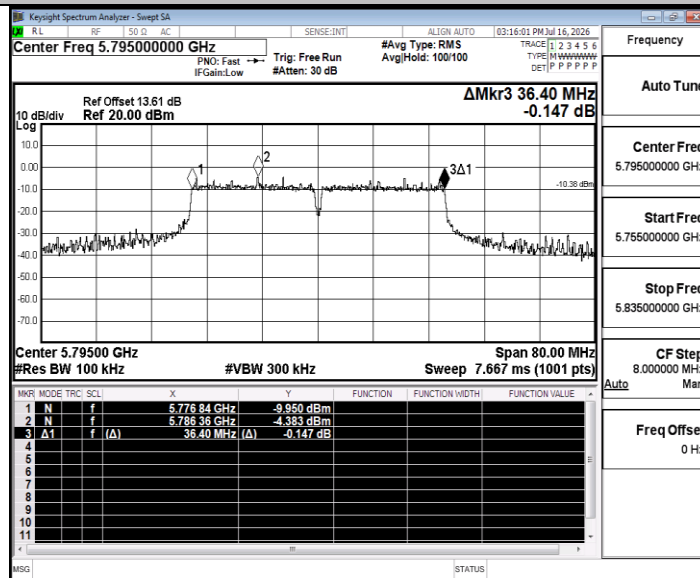
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



## 11AC40SISO\_Ant1\_5795



## D.2 Maximum conducted output power

### Test Result

| Test Mode  | Antenna | Freq (MHz) | TPC Mode | Measured Power [dBm] | DC Factor [dB] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|------------|----------|----------------------|----------------|--------------|-------------|---------|
| 11A        | Ant1    | 5745       | NA       | 10.5                 | 2.39           | 12.89        | ≤30.00      | PASS    |
|            |         | 5785       | NA       | 9.26                 | 2.39           | 11.65        | ≤30.00      | PASS    |
|            |         | 5825       | NA       | 8.39                 | 2.39           | 10.78        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 5745       | NA       | 10.38                | 2.5            | 12.88        | ≤30.00      | PASS    |
|            |         | 5785       | NA       | 9.18                 | 2.52           | 11.7         | ≤30.00      | PASS    |
|            |         | 5825       | NA       | 8.31                 | 2.5            | 10.81        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 5755       | NA       | 8.76                 | 4.14           | 12.9         | ≤30.00      | PASS    |
|            |         | 5795       | NA       | 7.5                  | 4.1            | 11.6         | ≤30.00      | PASS    |
| 11AC20SISO | Ant1    | 5745       | NA       | 10.43                | 2.5            | 12.93        | ≤30.00      | PASS    |
|            |         | 5785       | NA       | 9.17                 | 2.52           | 11.69        | ≤30.00      | PASS    |
|            |         | 5825       | NA       | 8.31                 | 2.5            | 10.81        | ≤30.00      | PASS    |
| 11AC40SISO | Ant1    | 5755       | NA       | 8.63                 | 4.1            | 12.73        | ≤30.00      | PASS    |
|            |         | 5795       | NA       | 7.67                 | 4.06           | 11.73        | ≤30.00      | PASS    |

## D.3 Maximum power spectral density

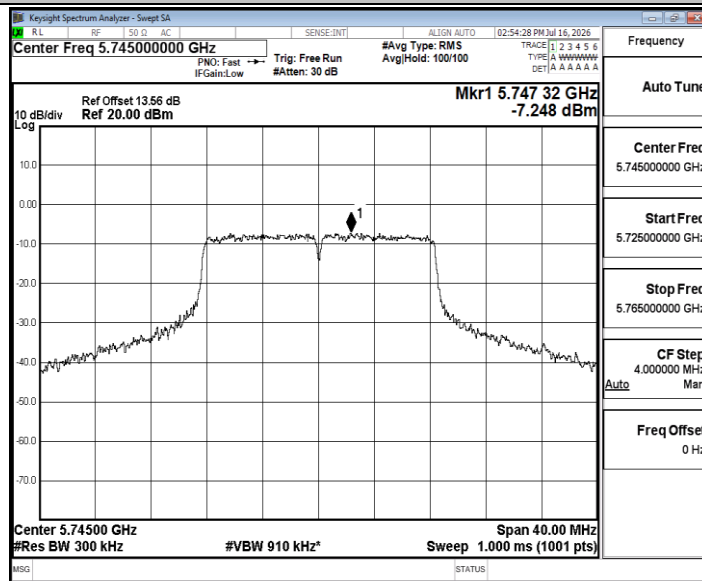
### Test Result

| TestMode   | Antenna | Freq (MHz) | Raw Data [dBm/MHz] | DC Factor | RBW Factor | Result [dBm/MHz] | Limit [dBm/MHz] | Verdict |
|------------|---------|------------|--------------------|-----------|------------|------------------|-----------------|---------|
| 11A        | Ant1    | 5745       | -7.25              | 2.39      | 2.22       | -2.64            | ≤30.00          | PASS    |
|            |         | 5785       | -6.74              | 2.39      | 2.22       | -2.13            | ≤30.00          | PASS    |
|            |         | 5825       | -8.74              | 2.39      | 2.22       | -4.13            | ≤30.00          | PASS    |
| 11N20SISO  | Ant1    | 5745       | -7.09              | 2.50      | 2.22       | -2.37            | ≤30.00          | PASS    |
|            |         | 5785       | -8.93              | 2.52      | 2.22       | -4.19            | ≤30.00          | PASS    |
|            |         | 5825       | -9.44              | 2.50      | 2.22       | -4.72            | ≤30.00          | PASS    |
| 11N40SISO  | Ant1    | 5755       | -11.62             | 4.14      | 2.22       | -5.26            | ≤30.00          | PASS    |
|            |         | 5795       | -12.37             | 4.10      | 2.22       | -6.05            | ≤30.00          | PASS    |
| 11AC20SISO | Ant1    | 5745       | -7.37              | 2.50      | 2.22       | -2.65            | ≤30.00          | PASS    |
|            |         | 5785       | -8.86              | 2.52      | 2.22       | -4.12            | ≤30.00          | PASS    |
|            |         | 5825       | -9.33              | 2.50      | 2.22       | -4.61            | ≤30.00          | PASS    |
| 11AC40SISO | Ant1    | 5755       | -11.54             | 4.10      | 2.22       | -5.22            | ≤30.00          | PASS    |
|            |         | 5795       | -13.06             | 4.06      | 2.22       | -6.78            | ≤30.00          | PASS    |

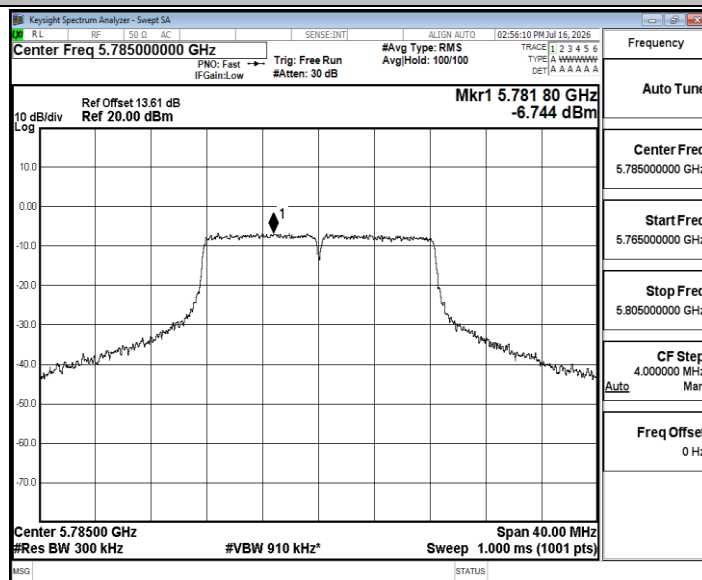
Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

## Test Graphs

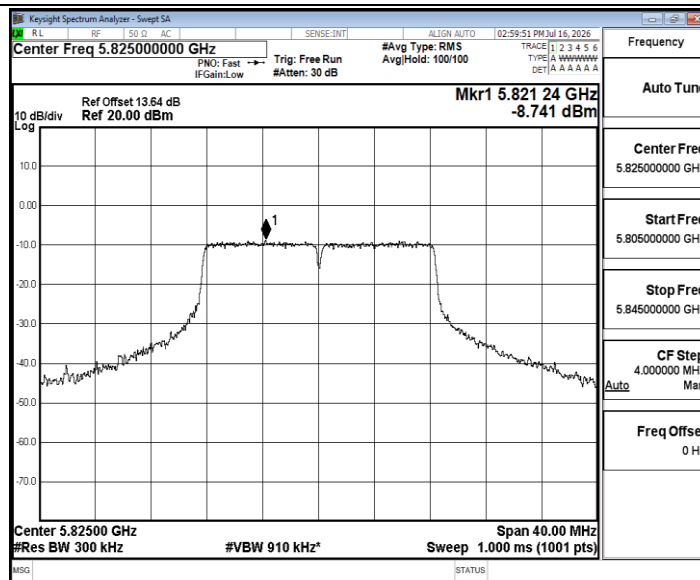
11A\_Ant1\_5745



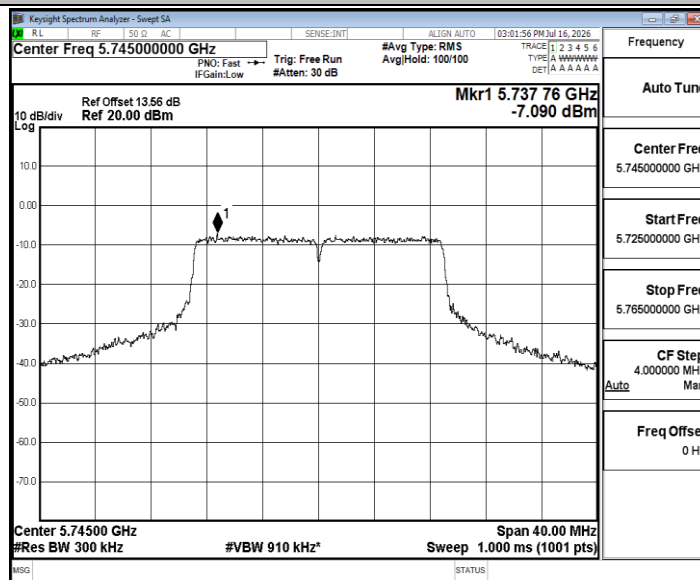
11A\_Ant1\_5785



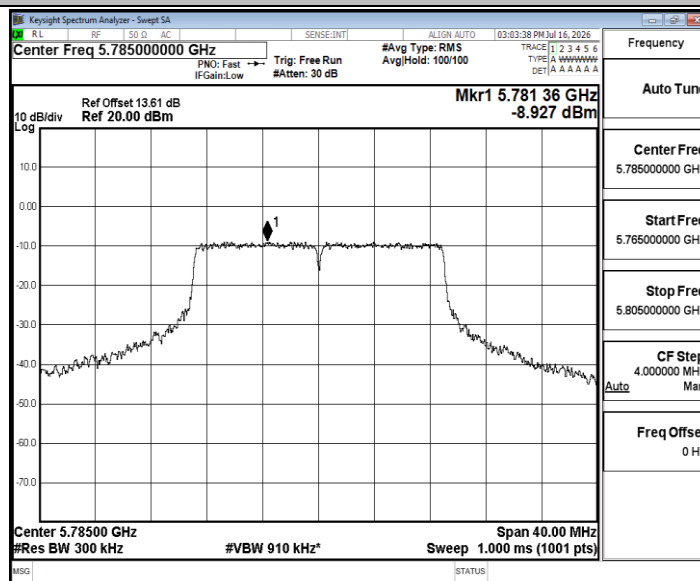
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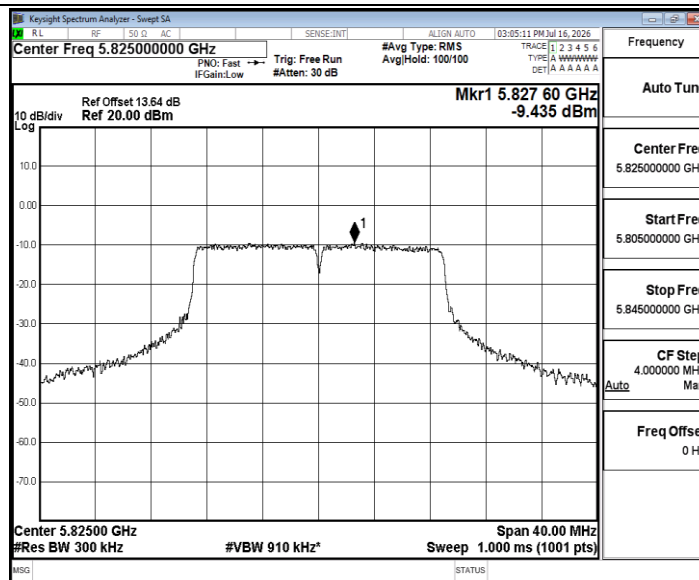
11N20SISO\_Ant1\_5745



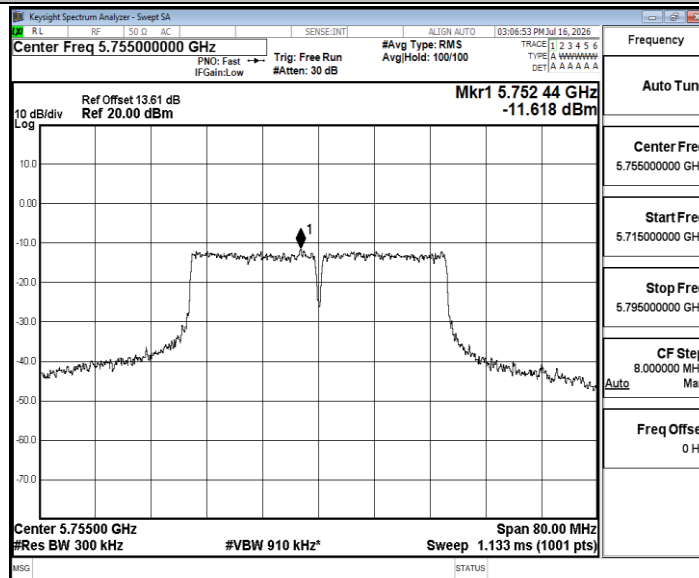
11N20SISO\_Ant1\_5785



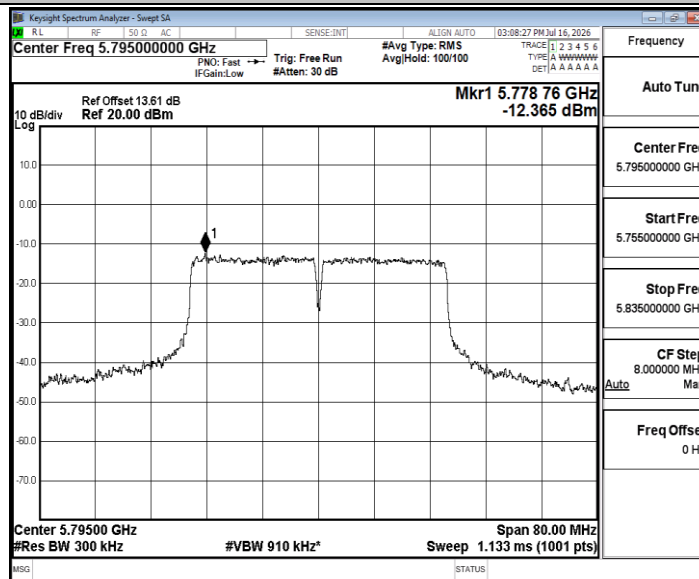
11N20SISO\_Ant1\_5825



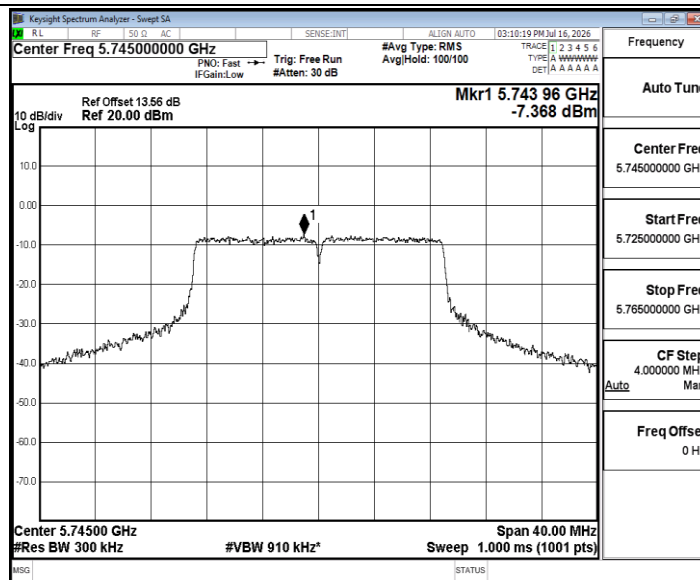
11N40SISO\_Ant1\_5755



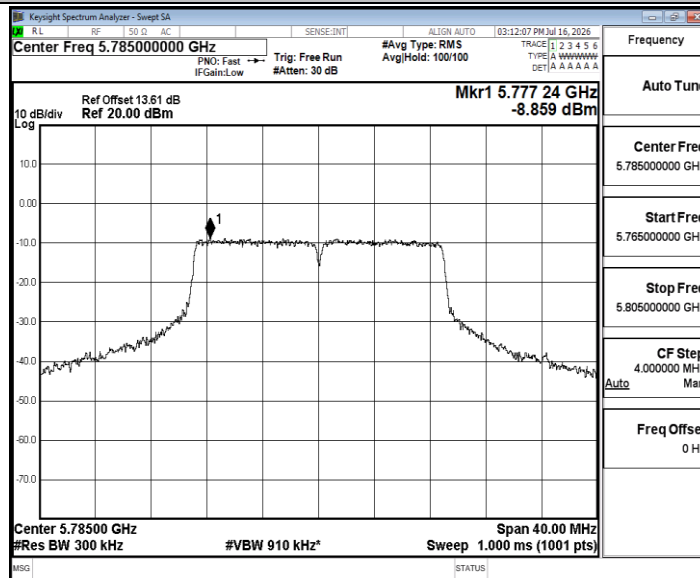
11N40SISO\_Ant1\_5795



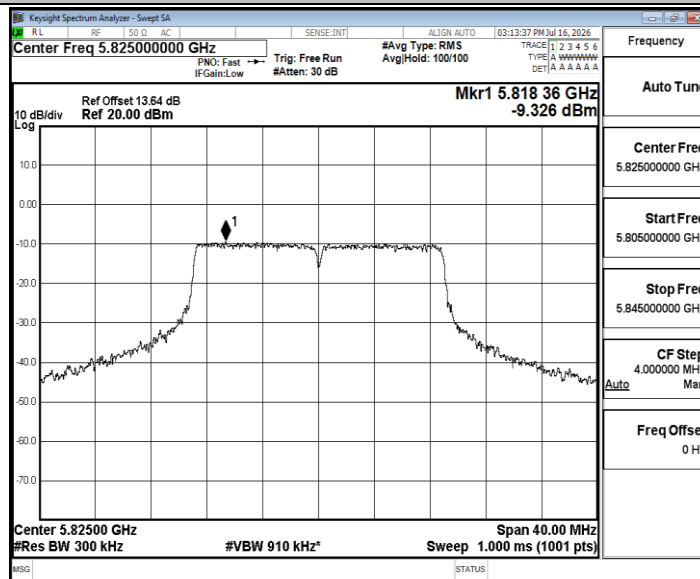
11AC20SISO\_Ant1\_5745



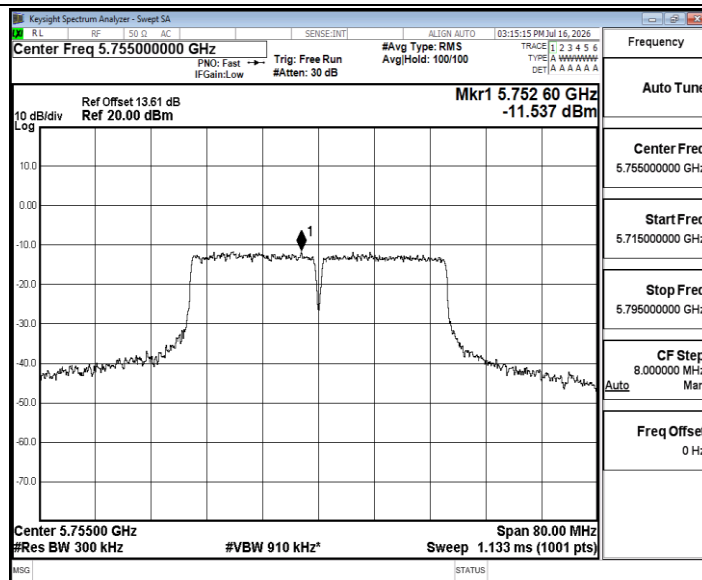
11AC20SISO\_Ant1\_5785



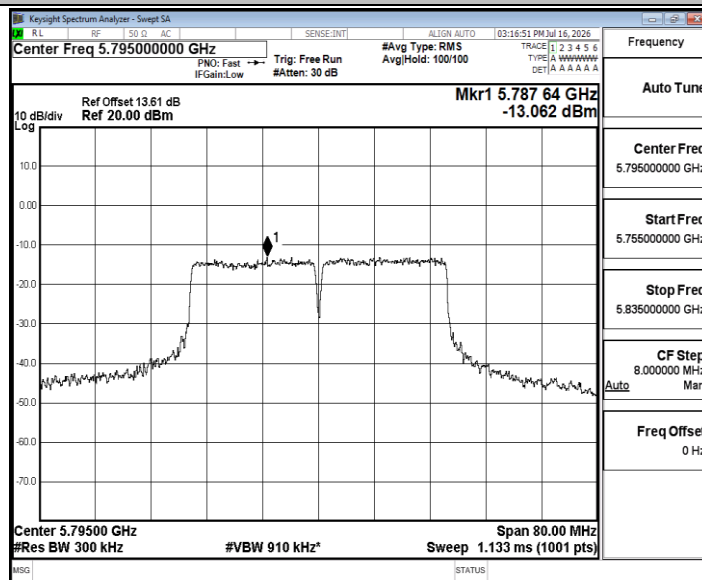
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



## 11AC40SISO\_Ant1\_5795



## D.4 Emissions in Restricted Bands

### Test Result

| TestMode   | Antenna | ChName | Freq (MHz) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Gain [dBi] | Verdict |
|------------|---------|--------|------------|----------|------------|--------------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5745       | Peak     | 5650.000   | -50.15       | ≤-29.00     | 3.68       | PASS    |
|            |         |        |            | Peak     | 5700.000   | -38.97       | ≤8.00       | 3.68       | PASS    |
|            |         |        |            | Peak     | 5720.000   | -29.33       | ≤13.60      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5725.000   | -21.46       | ≤25.00      | 3.68       | PASS    |
|            |         | High   | 5825       | Peak     | 5850.000   | -29.871      | ≤25.00      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5855.000   | -31.2        | ≤13.60      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5875.000   | -46.39       | ≤8.00       | 3.68       | PASS    |
|            |         |        |            | Peak     | 5925.000   | -51.33       | ≤-27.00     | 3.68       | PASS    |
| 11N20SISO  | Ant1    | Low    | 5745       | Peak     | 5650.000   | -50.448      | ≤-29.00     | 3.68       | PASS    |
|            |         |        |            | Peak     | 5700.000   | -34.84       | ≤8.00       | 3.68       | PASS    |
|            |         |        |            | Peak     | 5720.000   | -26.26       | ≤13.60      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5725.000   | -20.33       | ≤25.00      | 3.68       | PASS    |
|            |         | High   | 5825       | Peak     | 5850.000   | -31.211      | ≤25.00      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5855.000   | -31.4        | ≤13.60      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5875.000   | -42.51       | ≤8.00       | 3.68       | PASS    |
|            |         |        |            | Peak     | 5925.000   | -51.67       | ≤-27.00     | 3.68       | PASS    |
| 11N40SISO  | Ant1    | Low    | 5755       | Peak     | 5650.000   | -40.447      | ≤-29.00     | 3.68       | PASS    |
|            |         |        |            | Peak     | 5700.000   | -30.92       | ≤8.00       | 3.68       | PASS    |
|            |         |        |            | Peak     | 5720.000   | -18.91       | ≤13.60      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5725.000   | -22.18       | ≤25.00      | 3.68       | PASS    |
|            |         | High   | 5795       | Peak     | 5850.000   | -34.386      | ≤25.00      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5855.000   | -39.31       | ≤13.60      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5875.000   | -43.29       | ≤8.00       | 3.68       | PASS    |
|            |         |        |            | Peak     | 5925.000   | -50.49       | ≤-27.00     | 3.68       | PASS    |
| 11AC20SISO | Ant1    | Low    | 5745       | Peak     | 5650.000   | -49.172      | ≤-29.00     | 3.68       | PASS    |
|            |         |        |            | Peak     | 5700.000   | -36.7        | ≤8.00       | 3.68       | PASS    |
|            |         |        |            | Peak     | 5720.000   | -26.16       | ≤13.60      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5725.000   | -22.59       | ≤25.00      | 3.68       | PASS    |
|            |         | High   | 5825       | Peak     | 5850.000   | -28.383      | ≤25.00      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5855.000   | -34.19       | ≤13.60      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5875.000   | -41.66       | ≤8.00       | 3.68       | PASS    |
|            |         |        |            | Peak     | 5925.000   | -53.8        | ≤-27.00     | 3.68       | PASS    |
| 11AC40SISO | Ant1    | Low    | 5755       | Peak     | 5650.000   | -42.096      | ≤-29.00     | 3.68       | PASS    |
|            |         |        |            | Peak     | 5700.000   | -31.63       | ≤8.00       | 3.68       | PASS    |
|            |         |        |            | Peak     | 5720.000   | -21.05       | ≤13.60      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5725.000   | -18.19       | ≤25.00      | 3.68       | PASS    |
|            |         | High   | 5795       | Peak     | 5850.000   | -33.955      | ≤25.00      | 3.68       | PASS    |
|            |         |        |            | Peak     | 5855.000   | -33.48       | ≤13.60      | 3.68       | PASS    |

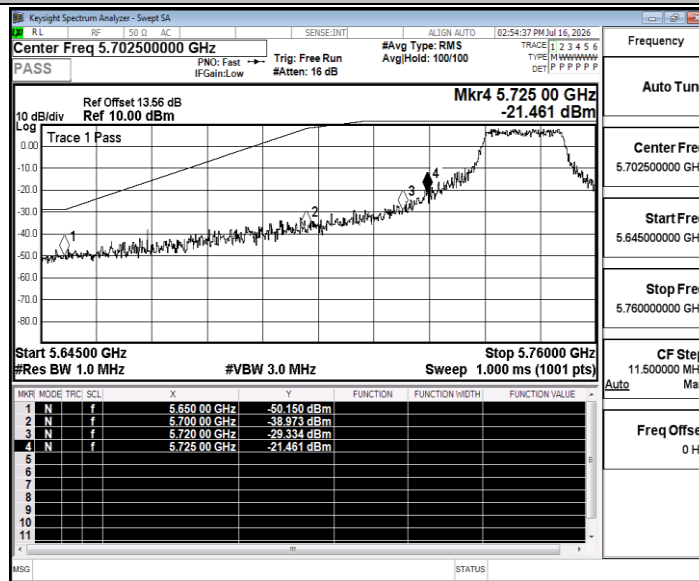
|  |  |  |  |      |          |        |         |      |      |
|--|--|--|--|------|----------|--------|---------|------|------|
|  |  |  |  | Peak | 5875.000 | -45.26 | ≤8.00   | 3.68 | PASS |
|  |  |  |  | Peak | 5925.000 | -51.32 | ≤-27.00 | 3.68 | PASS |

Note:

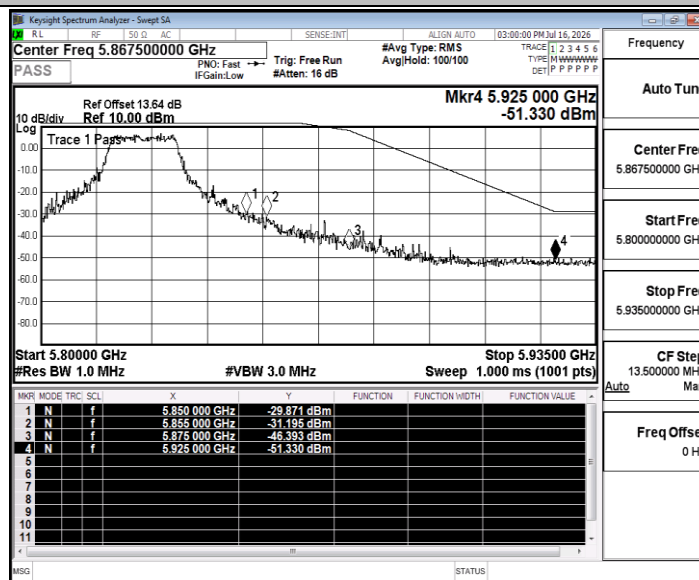
1. The Antenna Gain is compensated in the graph.

## Test Graphs

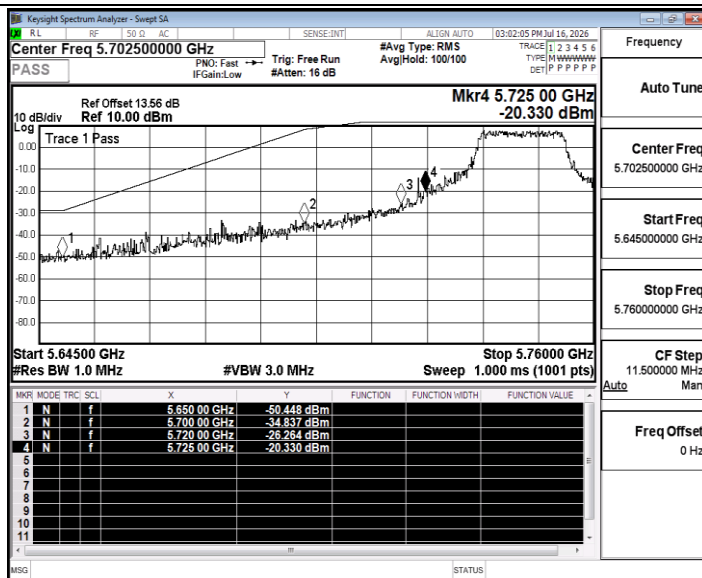
11A\_Ant1\_Low\_5745\_Peak



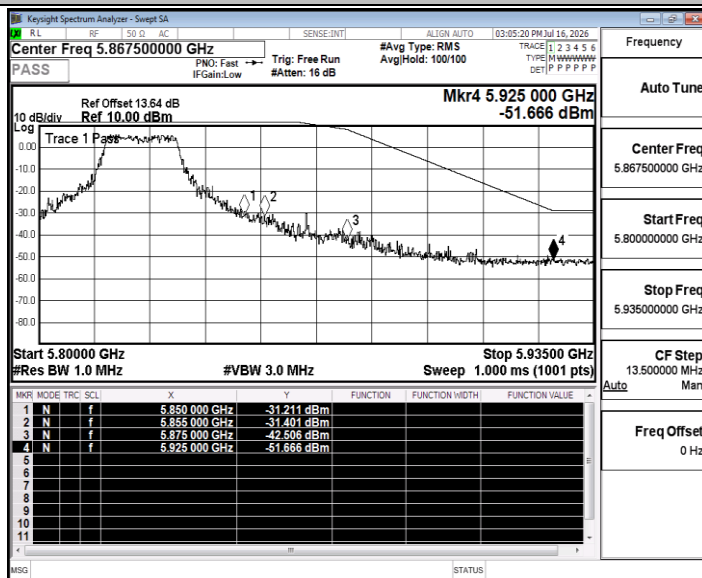
11A\_Ant1\_High\_5825\_Peak



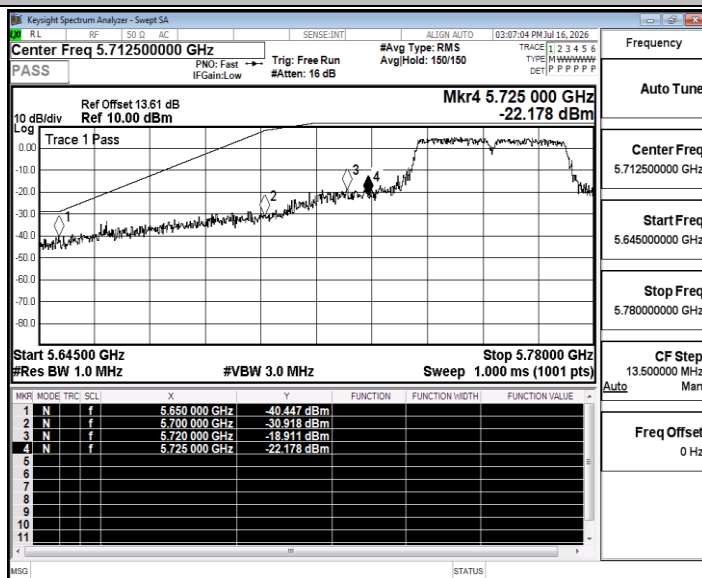
11N20SISO\_Ant1\_Low\_5745\_Peak



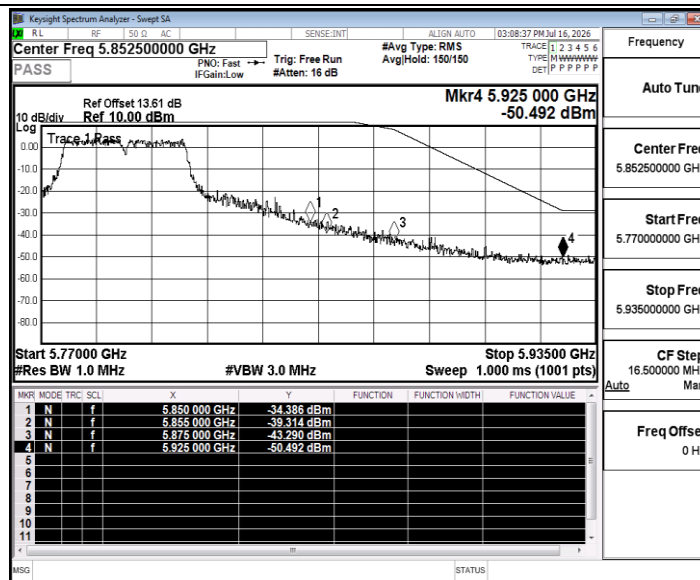
11N20SISO\_Ant1\_High\_5825\_Peak



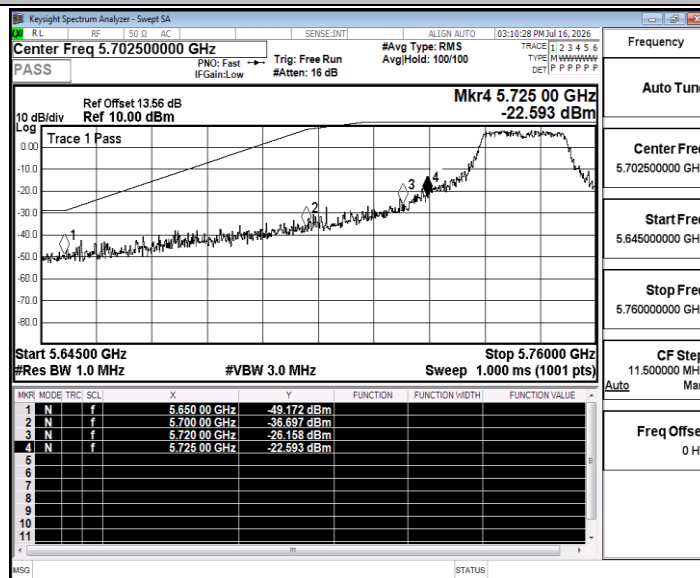
11N40SISO\_Ant1\_Low\_5755\_Peak



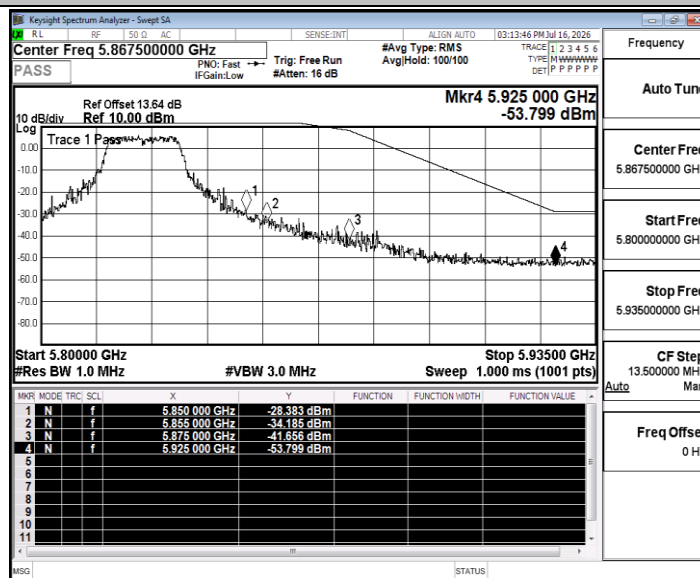
11N40SISO\_Ant1\_High\_5795\_Peak



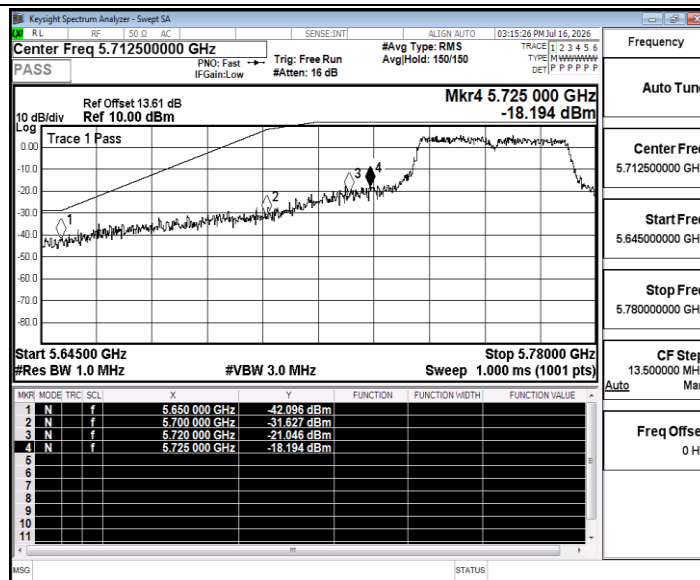
11AC20SISO\_Ant1\_Low\_5745\_Peak



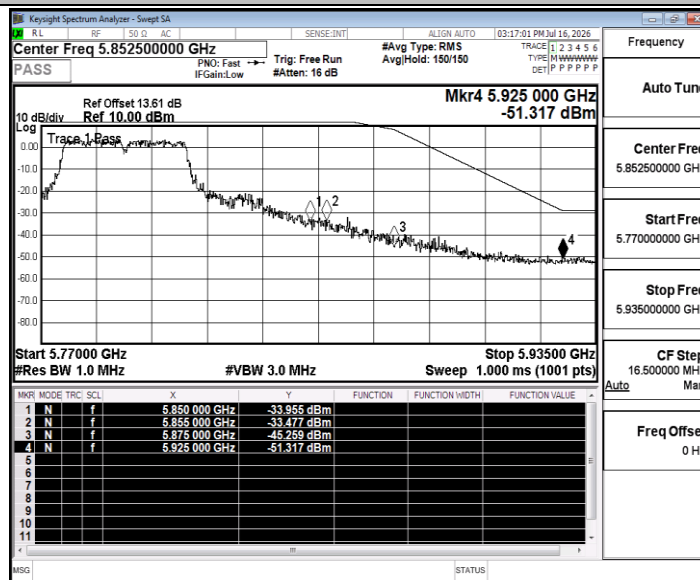
11AC20SISO\_Ant1\_High\_5825\_Peak



11AC40SISO\_Ant1\_Low\_5755\_Peak



## 11AC40SISO\_Ant1\_High\_5795\_Peak



## D.5 Frequency Stability

### Test Result

| Voltage    |         |            |               |                  |                |                 |             |         |
|------------|---------|------------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode   | Antenna | Freq (MHz) | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A        | Ant1    | 5745       | NV            | NT               | -40000.00      | -6.962576       | 20          | PASS    |
|            |         |            | LV            | NT               | -20000.00      | -3.481288       | 20          | PASS    |
|            |         |            | HV            | NT               | -20000.00      | -3.481288       | 20          | PASS    |
|            |         | 5785       | NV            | NT               | -20000.00      | -3.457217       | 20          | PASS    |
|            |         |            | LV            | NT               | -40000.00      | -6.914434       | 20          | PASS    |
|            |         |            | HV            | NT               | -20000.00      | -3.457217       | 20          | PASS    |
|            |         | 5825       | NV            | NT               | -20000.00      | -3.433476       | 20          | PASS    |
|            |         |            | LV            | NT               | -20000.00      | -3.433476       | 20          | PASS    |
|            |         |            | HV            | NT               | -20000.00      | -3.433476       | 20          | PASS    |
| 11N20SISO  | Ant1    | 5745       | NV            | NT               | -20000.00      | -3.481288       | 20          | PASS    |
|            |         |            | LV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |            | HV            | NT               | -20000.00      | -3.481288       | 20          | PASS    |
|            |         | 5785       | NV            | NT               | -40000.00      | -6.914434       | 20          | PASS    |
|            |         |            | LV            | NT               | -20000.00      | -3.457217       | 20          | PASS    |
|            |         |            | HV            | NT               | -20000.00      | -3.457217       | 20          | PASS    |
|            |         | 5825       | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |            | LV            | NT               | -20000.00      | -3.433476       | 20          | PASS    |
|            |         |            | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
| 11N40SISO  | Ant1    | 5755       | NV            | NT               | -40000.00      | -6.950478       | 20          | PASS    |
|            |         |            | LV            | NT               | -40000.00      | -6.950478       | 20          | PASS    |
|            |         |            | HV            | NT               | -40000.00      | -6.950478       | 20          | PASS    |
|            |         | 5795       | NV            | NT               | -40000.00      | -6.902502       | 20          | PASS    |
|            |         |            | LV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |            | HV            | NT               | -40000.00      | -6.902502       | 20          | PASS    |
| 11AC20SISO | Ant1    | 5745       | NV            | NT               | -20000.00      | -3.481288       | 20          | PASS    |
|            |         |            | LV            | NT               | -40000.00      | -6.962576       | 20          | PASS    |
|            |         |            | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         | 5785       | NV            | NT               | -20000.00      | -3.457217       | 20          | PASS    |
|            |         |            | LV            | NT               | -40000.00      | -6.914434       | 20          | PASS    |
|            |         |            | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         | 5825       | NV            | NT               | -40000.00      | -6.866953       | 20          | PASS    |
|            |         |            | LV            | NT               | -40000.00      | -6.866953       | 20          | PASS    |
|            |         |            | HV            | NT               | -40000.00      | -6.866953       | 20          | PASS    |
| 11AC40SISO | Ant1    | 5755       | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         |            | LV            | NT               | -40000.00      | -6.950478       | 20          | PASS    |
|            |         |            | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
|            |         | 5795       | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |

|  |  |  |    |    |      |          |    |      |
|--|--|--|----|----|------|----------|----|------|
|  |  |  | LV | NT | 0.00 | 0.000000 | 20 | PASS |
|  |  |  | HV | NT | 0.00 | 0.000000 | 20 | PASS |

| Temperature |         |            |               |                  |                |                 |             |         |
|-------------|---------|------------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode    | Antenna | Freq (MHz) | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A         | Ant1    | 5745       | NV            | -30              | -20000.00      | -3.481288       | 20          | PASS    |
|             |         |            | NV            | -20              | -20000.00      | -3.481288       | 20          | PASS    |
|             |         |            | NV            | -10              | -40000.00      | -6.962576       | 20          | PASS    |
|             |         |            | NV            | 0                | -20000.00      | -3.481288       | 20          | PASS    |
|             |         |            | NV            | 10               | -20000.00      | -3.481288       | 20          | PASS    |
|             |         |            | NV            | 20               | -40000.00      | -6.962576       | 20          | PASS    |
|             |         |            | NV            | 30               | -20000.00      | -3.481288       | 20          | PASS    |
|             |         |            | NV            | 40               | -20000.00      | -3.481288       | 20          | PASS    |
|             |         |            | NV            | 50               | -20000.00      | -3.481288       | 20          | PASS    |
|             |         | 5785       | NV            | -30              | -20000.00      | -3.457217       | 20          | PASS    |
|             |         |            | NV            | -20              | -20000.00      | -3.457217       | 20          | PASS    |
|             |         |            | NV            | -10              | -20000.00      | -3.457217       | 20          | PASS    |
|             |         |            | NV            | 0                | -20000.00      | -3.457217       | 20          | PASS    |
|             |         |            | NV            | 10               | -20000.00      | -3.457217       | 20          | PASS    |
|             |         |            | NV            | 20               | 0.00           | 0.000000        | 20          | PASS    |
|             |         |            | NV            | 30               | -20000.00      | -3.457217       | 20          | PASS    |
|             |         |            | NV            | 40               | -20000.00      | -3.457217       | 20          | PASS    |
|             |         |            | NV            | 50               | -20000.00      | -3.457217       | 20          | PASS    |
|             |         | 5825       | NV            | -30              | -20000.00      | -3.433476       | 20          | PASS    |
|             |         |            | NV            | -20              | -20000.00      | -3.433476       | 20          | PASS    |
|             |         |            | NV            | -10              | -20000.00      | -3.433476       | 20          | PASS    |
|             |         |            | NV            | 0                | -20000.00      | -3.433476       | 20          | PASS    |
|             |         |            | NV            | 10               | -20000.00      | -3.433476       | 20          | PASS    |
|             |         |            | NV            | 20               | -20000.00      | -3.433476       | 20          | PASS    |
|             |         |            | NV            | 30               | -40000.00      | -6.866953       | 20          | PASS    |
|             |         |            | NV            | 40               | -20000.00      | -3.433476       | 20          | PASS    |
|             |         |            | NV            | 50               | -20000.00      | -3.433476       | 20          | PASS    |
| 11N20SISO   | Ant1    | 5745       | NV            | -30              | 0.00           | 0.000000        | 20          | PASS    |
|             |         |            | NV            | -20              | -40000.00      | -6.962576       | 20          | PASS    |
|             |         |            | NV            | -10              | 0.00           | 0.000000        | 20          | PASS    |
|             |         |            | NV            | 0                | 0.00           | 0.000000        | 20          | PASS    |
|             |         |            | NV            | 10               | -20000.00      | -3.481288       | 20          | PASS    |
|             |         |            | NV            | 20               | -20000.00      | -3.481288       | 20          | PASS    |
|             |         |            | NV            | 30               | -20000.00      | -3.481288       | 20          | PASS    |
|             |         |            | NV            | 40               | 0.00           | 0.000000        | 20          | PASS    |
|             |         |            | NV            | 50               | 0.00           | 0.000000        | 20          | PASS    |
|             |         | 5785       | NV            | -30              | 0.00           | 0.000000        | 20          | PASS    |
|             |         |            | NV            | -20              | -40000.00      | -6.914434       | 20          | PASS    |
|             |         |            | NV            | -10              | -20000.00      | -3.457217       | 20          | PASS    |
|             |         |            | NV            | 0                | -20000.00      | -3.457217       | 20          | PASS    |
|             |         |            | NV            | 10               | -40000.00      | -6.914434       | 20          | PASS    |
|             |         |            | NV            | 50               | -40000.00      | -6.914434       | 20          | PASS    |

|            |      |      |    |     |           |           |    |      |
|------------|------|------|----|-----|-----------|-----------|----|------|
|            |      |      | NV | 20  | -40000.00 | -6.914434 | 20 | PASS |
|            |      |      | NV | 30  | -20000.00 | -3.457217 | 20 | PASS |
|            |      |      | NV | 40  | -20000.00 | -3.457217 | 20 | PASS |
|            |      |      | NV | 50  | 0.00      | 0.000000  | 20 | PASS |
|            |      | 5825 | NV | -30 | -40000.00 | -6.866953 | 20 | PASS |
|            |      |      | NV | -20 | -20000.00 | -3.433476 | 20 | PASS |
|            |      |      | NV | -10 | -20000.00 | -3.433476 | 20 | PASS |
|            |      |      | NV | 0   | -40000.00 | -6.866953 | 20 | PASS |
|            |      |      | NV | 10  | -20000.00 | -3.433476 | 20 | PASS |
|            |      |      | NV | 20  | -20000.00 | -3.433476 | 20 | PASS |
|            |      |      | NV | 30  | -40000.00 | -6.866953 | 20 | PASS |
|            |      |      | NV | 40  | -40000.00 | -6.866953 | 20 | PASS |
|            |      |      | NV | 50  | -40000.00 | -6.866953 | 20 | PASS |
|            |      |      |    |     |           |           |    |      |
| 11N40SISO  | Ant1 | 5755 | NV | -30 | -40000.00 | -6.950478 | 20 | PASS |
|            |      |      | NV | -20 | -40000.00 | -6.950478 | 20 | PASS |
|            |      |      | NV | -10 | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | 0   | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | 10  | -40000.00 | -6.950478 | 20 | PASS |
|            |      |      | NV | 20  | -40000.00 | -6.950478 | 20 | PASS |
|            |      |      | NV | 30  | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | 40  | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | 50  | 0.00      | 0.000000  | 20 | PASS |
|            |      | 5795 | NV | -30 | -40000.00 | -6.902502 | 20 | PASS |
|            |      |      | NV | -20 | -40000.00 | -6.902502 | 20 | PASS |
|            |      |      | NV | -10 | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | 0   | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | 10  | -40000.00 | -6.902502 | 20 | PASS |
|            |      |      | NV | 20  | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | 30  | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | 40  | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | 50  | 40000.00  | 6.902502  | 20 | PASS |
| 11AC20SISO | Ant1 | 5745 | NV | -30 | -20000.00 | -3.481288 | 20 | PASS |
|            |      |      | NV | -20 | -20000.00 | -3.481288 | 20 | PASS |
|            |      |      | NV | -10 | -20000.00 | -3.481288 | 20 | PASS |
|            |      |      | NV | 0   | -20000.00 | -3.481288 | 20 | PASS |
|            |      |      | NV | 10  | -40000.00 | -6.962576 | 20 | PASS |
|            |      |      | NV | 20  | -20000.00 | -3.481288 | 20 | PASS |
|            |      |      | NV | 30  | -20000.00 | -3.481288 | 20 | PASS |
|            |      |      | NV | 40  | -40000.00 | -6.962576 | 20 | PASS |
|            |      |      | NV | 50  | -40000.00 | -6.962576 | 20 | PASS |
|            |      | 5785 | NV | -30 | 0.00      | 0.000000  | 20 | PASS |
|            |      |      | NV | -20 | -20000.00 | -3.457217 | 20 | PASS |
|            |      |      | NV | -10 | -40000.00 | -6.914434 | 20 | PASS |
|            |      |      | NV | 0   | -40000.00 | -6.914434 | 20 | PASS |
|            |      |      |    |     |           |           |    |      |

|            |      |      |    |     |           |            |    |      |
|------------|------|------|----|-----|-----------|------------|----|------|
|            |      |      | NV | 10  | -20000.00 | -3.457217  | 20 | PASS |
|            |      |      | NV | 20  | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | NV | 30  | -40000.00 | -6.914434  | 20 | PASS |
|            |      |      | NV | 40  | -20000.00 | -3.457217  | 20 | PASS |
|            |      |      | NV | 50  | -20000.00 | -3.457217  | 20 | PASS |
|            |      | 5825 | NV | -30 | -20000.00 | -3.433476  | 20 | PASS |
|            |      |      | NV | -20 | -20000.00 | -3.433476  | 20 | PASS |
|            |      |      | NV | -10 | -20000.00 | -3.433476  | 20 | PASS |
|            |      |      | NV | 0   | -20000.00 | -3.433476  | 20 | PASS |
|            |      |      | NV | 10  | -20000.00 | -3.433476  | 20 | PASS |
|            |      |      | NV | 20  | -40000.00 | -6.866953  | 20 | PASS |
|            |      |      | NV | 30  | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | NV | 40  | -60000.00 | -10.300429 | 20 | PASS |
|            |      |      | NV | 50  | -20000.00 | -3.433476  | 20 | PASS |
| 11AC40SISO | Ant1 | 5755 | NV | -30 | -40000.00 | -6.950478  | 20 | PASS |
|            |      |      | NV | -20 | -40000.00 | -6.950478  | 20 | PASS |
|            |      |      | NV | -10 | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | NV | 0   | -40000.00 | -6.950478  | 20 | PASS |
|            |      |      | NV | 10  | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | NV | 20  | -40000.00 | -6.950478  | 20 | PASS |
|            |      |      | NV | 30  | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | NV | 40  | -80000.00 | -13.900956 | 20 | PASS |
|            |      |      | NV | 50  | -40000.00 | -6.950478  | 20 | PASS |
|            |      | 5795 | NV | -30 | -80000.00 | -13.805004 | 20 | PASS |
|            |      |      | NV | -20 | -40000.00 | -6.902502  | 20 | PASS |
|            |      |      | NV | -10 | -40000.00 | -6.902502  | 20 | PASS |
|            |      |      | NV | 0   | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | NV | 10  | -40000.00 | -6.902502  | 20 | PASS |
|            |      |      | NV | 20  | -80000.00 | -13.805004 | 20 | PASS |
|            |      |      | NV | 30  | -40000.00 | -6.902502  | 20 | PASS |
|            |      |      | NV | 40  | 0.00      | 0.000000   | 20 | PASS |
|            |      |      | NV | 50  | -40000.00 | -6.902502  | 20 | PASS |

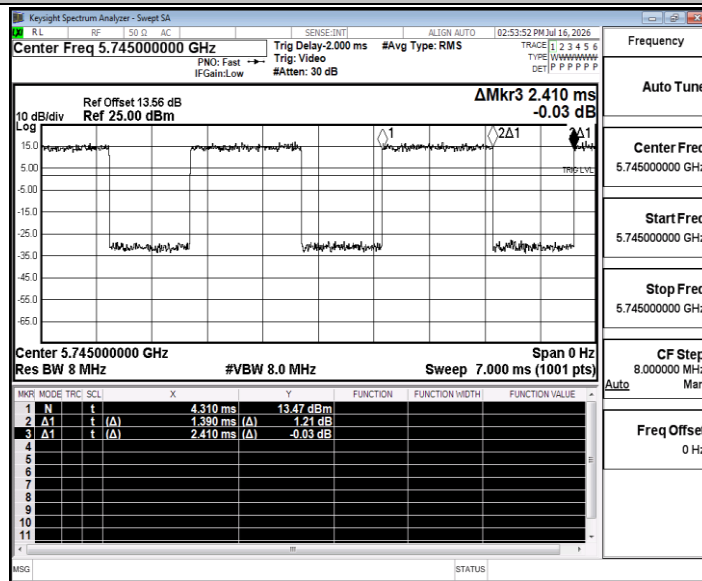
## D.6 Duty Cycle

### Test Result

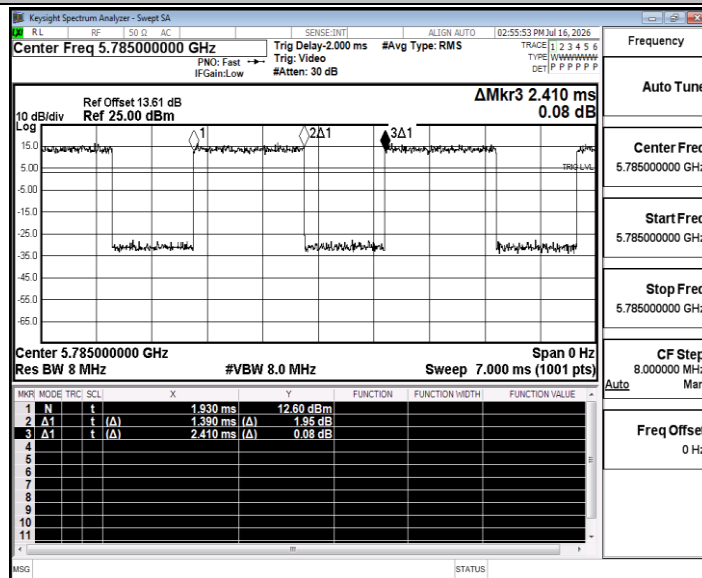
| TestMode   | Antenna | Freq (MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | DC Factor | Limit | Verdict |
|------------|---------|------------|----------------------------|--------------------------|----------------|-----------|-------|---------|
| 11A        | Ant1    | 5745       | 1.39                       | 2.41                     | 57.68          | 2.39      | ---   | ---     |
|            |         | 5785       | 1.39                       | 2.41                     | 57.68          | 2.39      | ---   | ---     |
|            |         | 5825       | 1.39                       | 2.41                     | 57.68          | 2.39      | ---   | ---     |
| 11N20SISO  | Ant1    | 5745       | 1.31                       | 2.33                     | 56.22          | 2.50      | ---   | ---     |
|            |         | 5785       | 1.30                       | 2.32                     | 56.03          | 2.52      | ---   | ---     |
|            |         | 5825       | 1.31                       | 2.33                     | 56.22          | 2.50      | ---   | ---     |
| 11N40SISO  | Ant1    | 5755       | 0.64                       | 1.66                     | 38.55          | 4.14      | ---   | ---     |
|            |         | 5795       | 0.65                       | 1.67                     | 38.92          | 4.10      | ---   | ---     |
| 11AC20SISO | Ant1    | 5745       | 1.31                       | 2.33                     | 56.22          | 2.50      | ---   | ---     |
|            |         | 5785       | 1.31                       | 2.34                     | 55.98          | 2.52      | ---   | ---     |
|            |         | 5825       | 1.31                       | 2.33                     | 56.22          | 2.50      | ---   | ---     |
| 11AC40SISO | Ant1    | 5755       | 0.65                       | 1.67                     | 38.92          | 4.10      | ---   | ---     |
|            |         | 5795       | 0.66                       | 1.68                     | 39.29          | 4.06      | ---   | ---     |

## Test Graphs

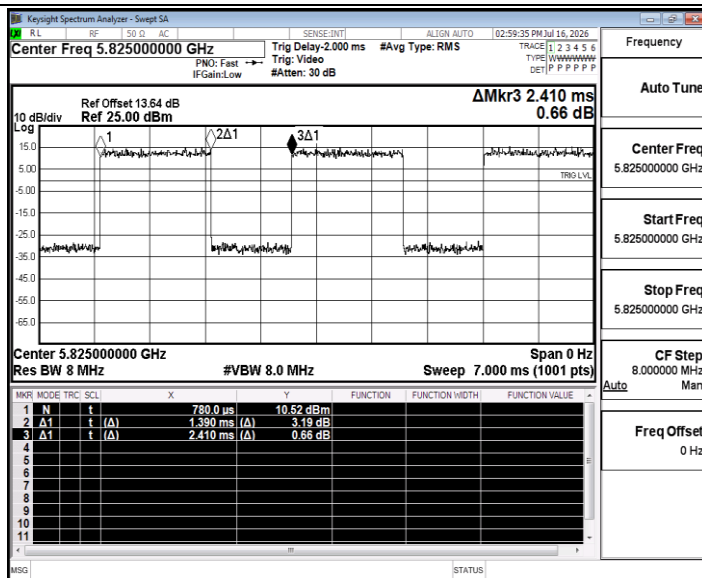
11A\_Ant1\_5745



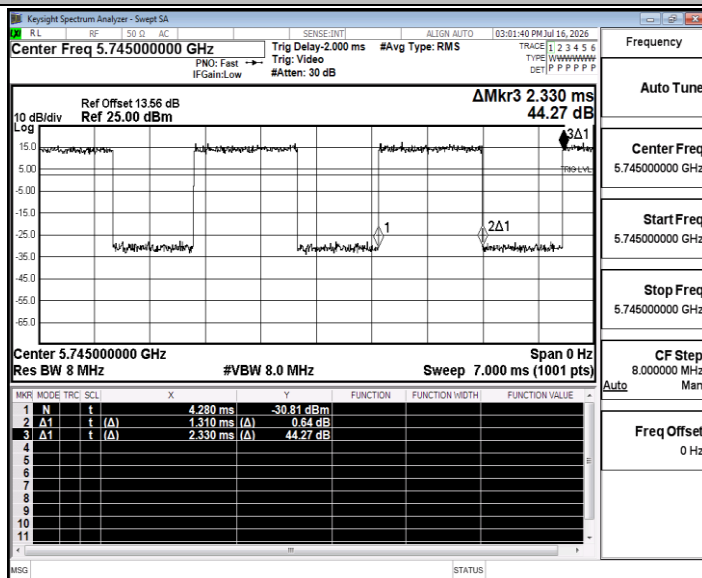
11A\_Ant1\_5785



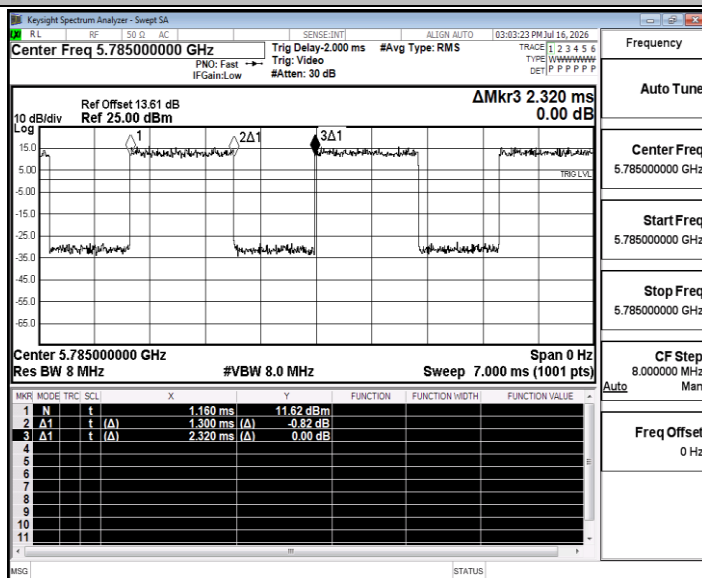
11A\_Ant1\_5825



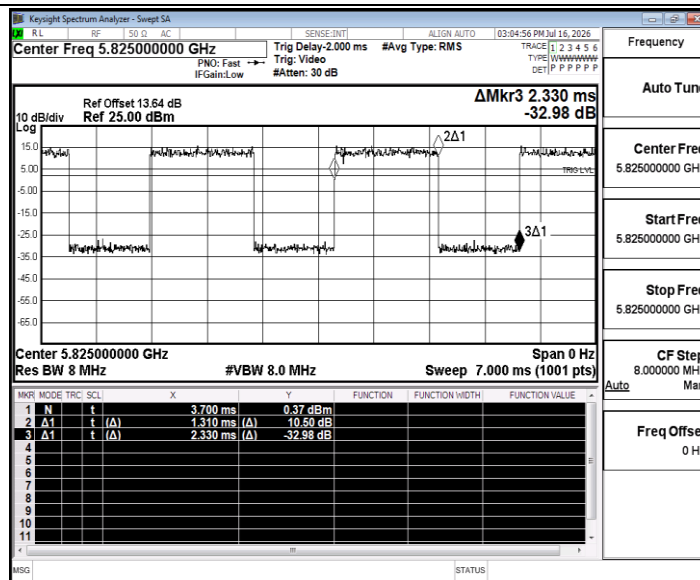
11N20SISO\_Ant1\_5745



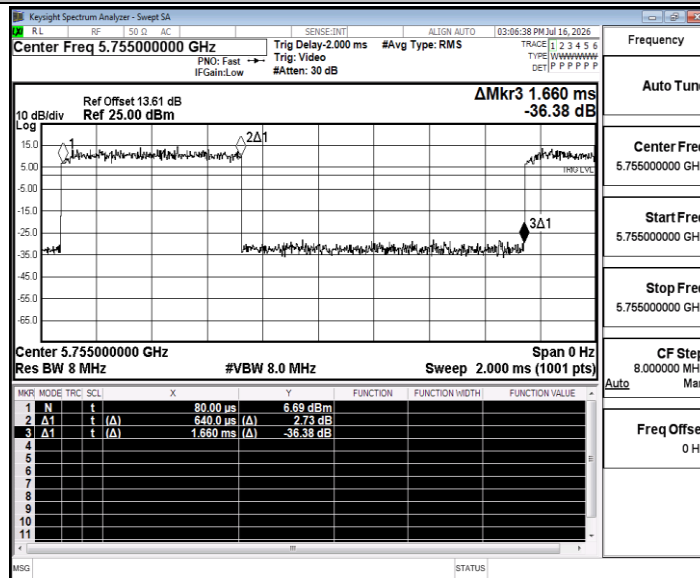
11N20SISO\_Ant1\_5785



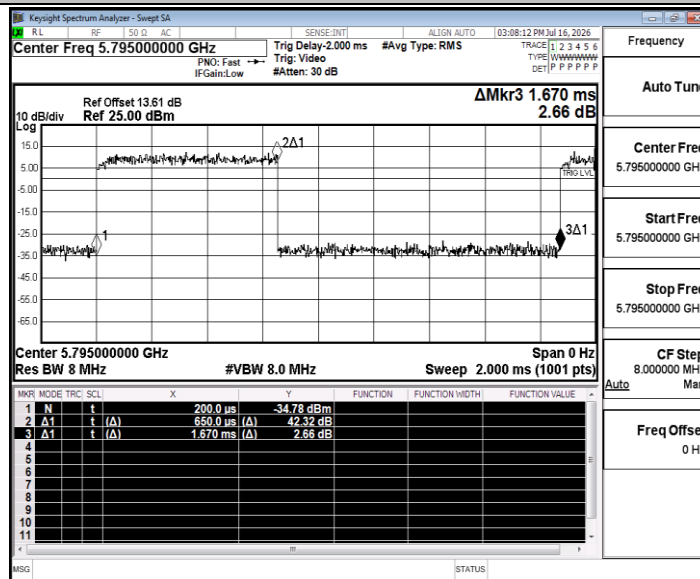
11N20SISO\_Ant1\_5825



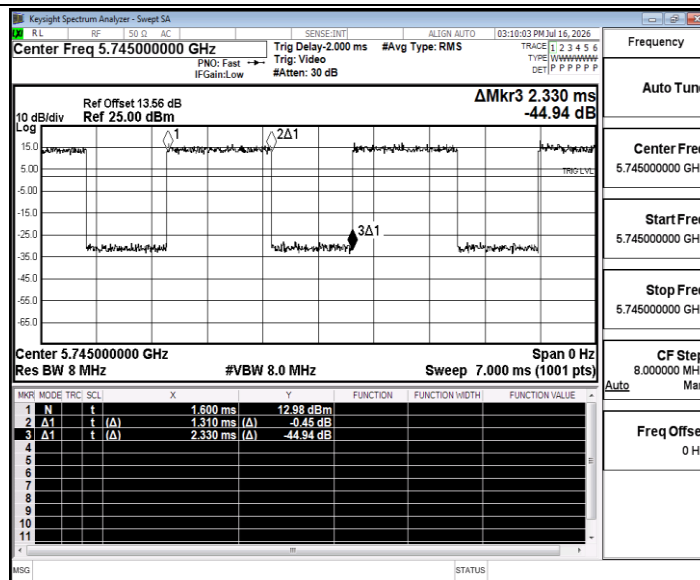
11N40SISO\_Ant1\_5755



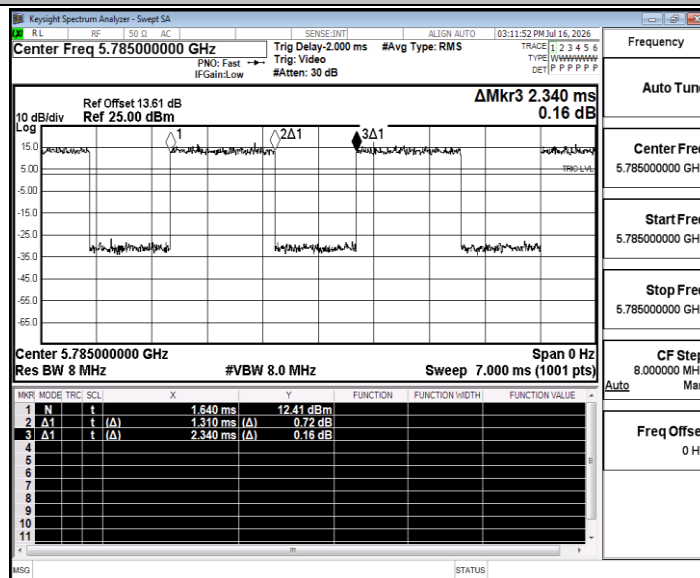
11N40SISO\_Ant1\_5795



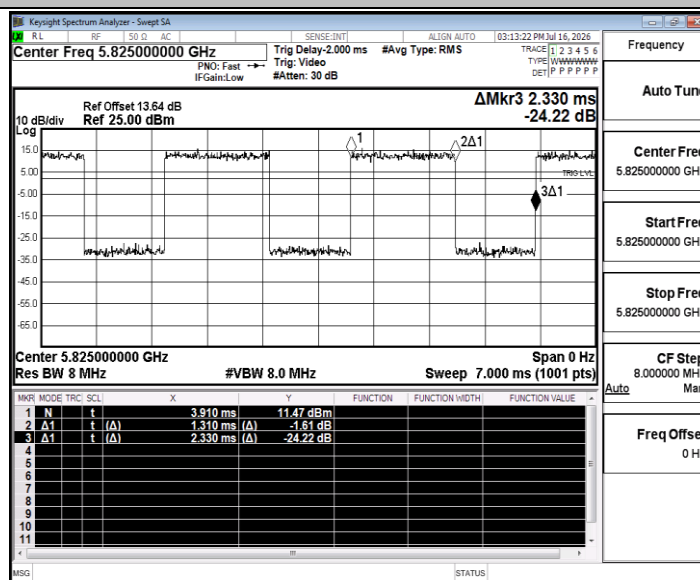
11AC20SISO\_Ant1\_5745



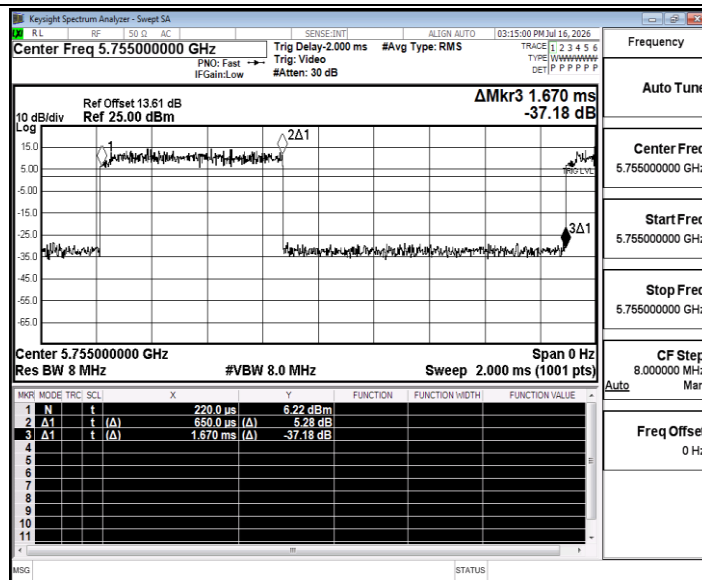
11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



## 11AC40SISO\_Ant1\_5795

