

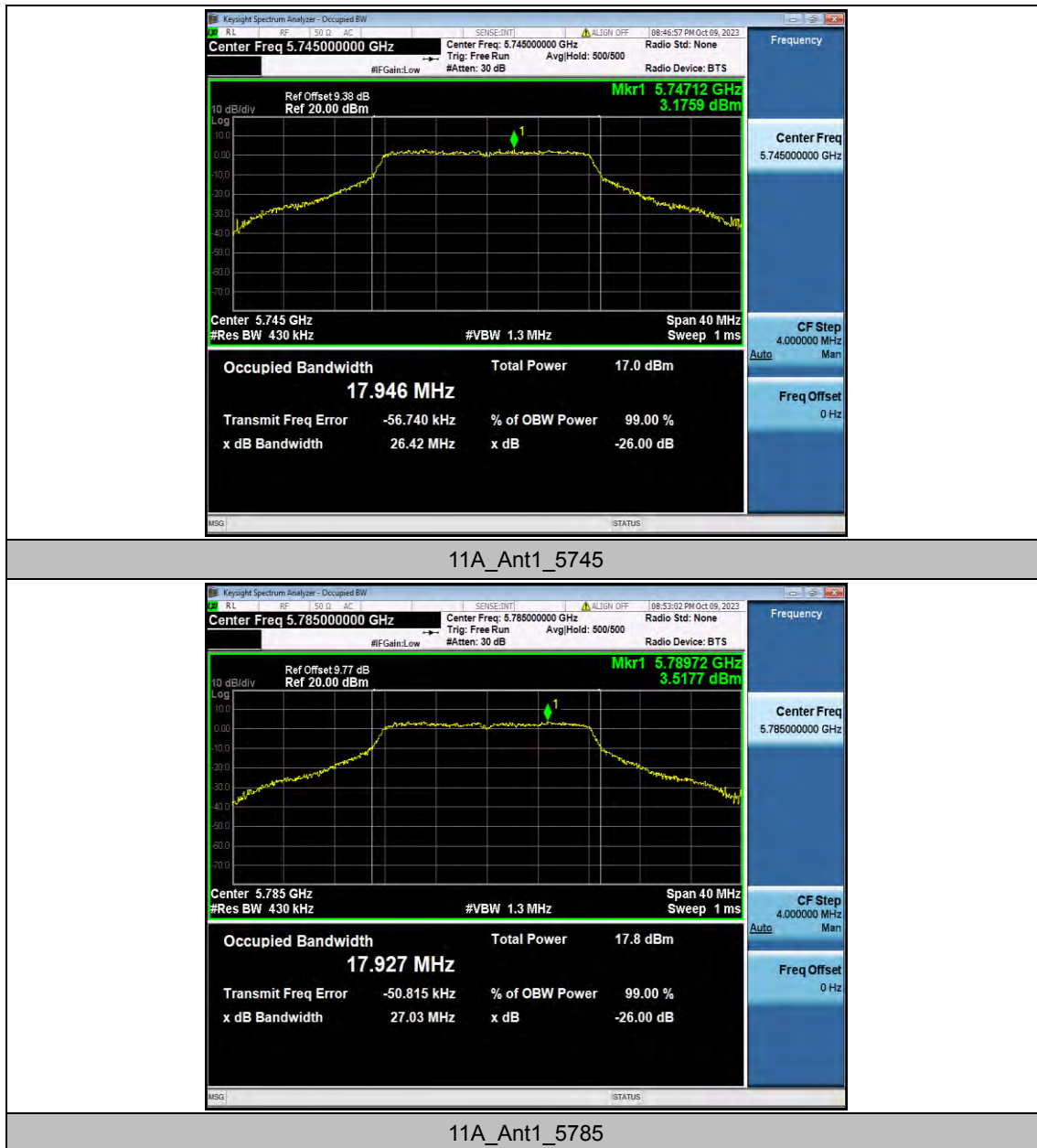
|                                                                       |                                          |
|-----------------------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20230914005-1-12</u>                          |                                          |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>55</u> %RH, Atmos100.1Kpa, |                                          |
| <b>Test Date:</b> <u>2023.10.9</u>                                    | <b>Test Engineer:</b> <u>Evan ouyang</u> |

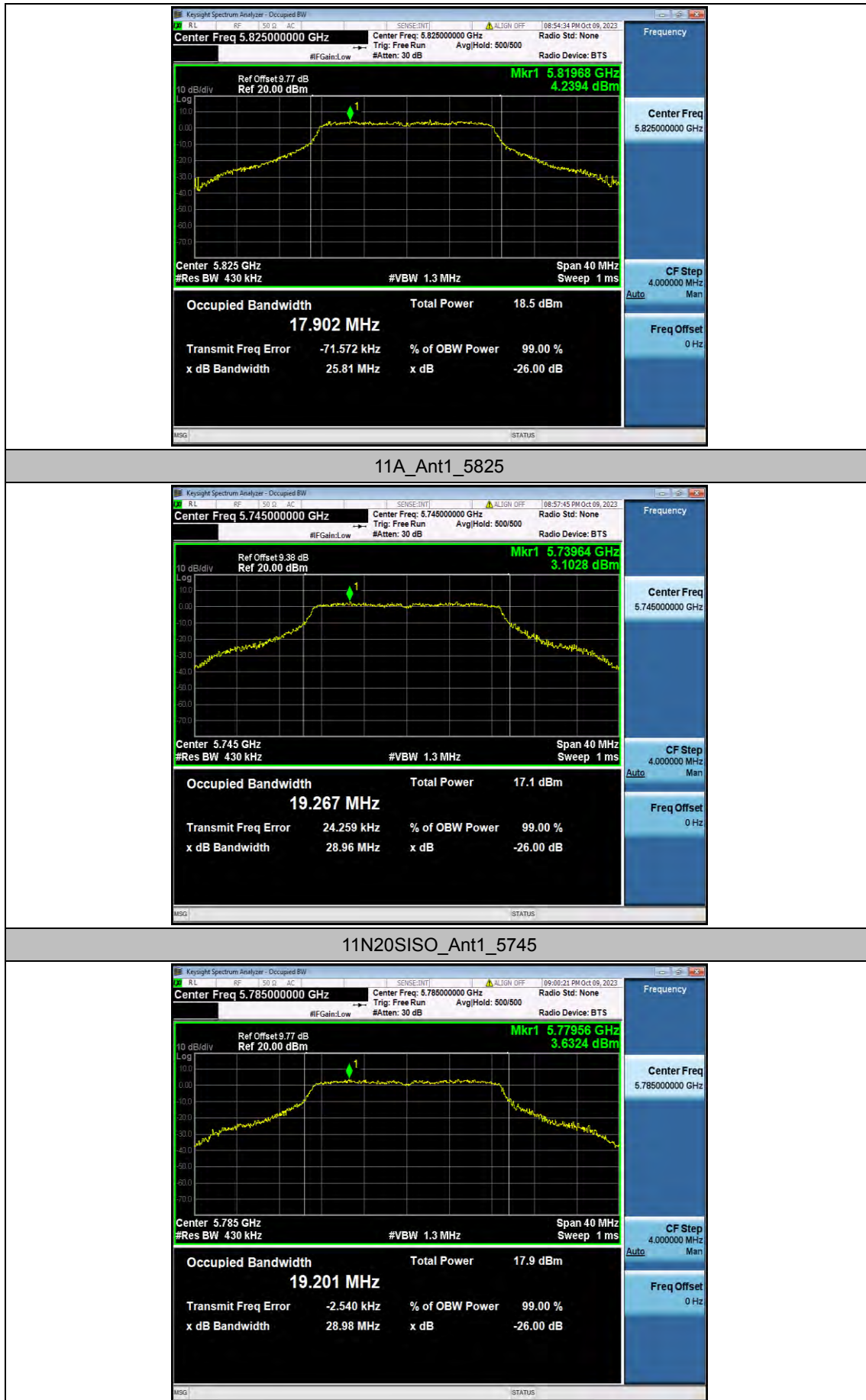
## Appendix G.1: Occupied channel bandwidth

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 17.946    | 5735.970 | 5753.916 | ---        | ---     |
|            |         | 5785           | 17.927    | 5775.986 | 5793.913 | ---        | ---     |
|            |         | 5825           | 17.902    | 5815.977 | 5833.879 | ---        | ---     |
| 11N20SISO  | Ant1    | 5745           | 19.267    | 5735.391 | 5754.658 | ---        | ---     |
|            |         | 5785           | 19.201    | 5775.397 | 5794.598 | ---        | ---     |
|            |         | 5825           | 19.181    | 5815.412 | 5834.593 | ---        | ---     |
| 11N40SISO  | Ant1    | 5755           | 37.874    | 5736.159 | 5774.033 | ---        | ---     |
|            |         | 5795           | 37.892    | 5776.180 | 5814.072 | ---        | ---     |
| 11AC20SISO | Ant1    | 5745           | 19.213    | 5735.362 | 5754.575 | ---        | ---     |
|            |         | 5785           | 19.176    | 5775.423 | 5794.599 | ---        | ---     |
|            |         | 5825           | 19.154    | 5815.329 | 5834.483 | ---        | ---     |
| 11AC40SISO | Ant1    | 5755           | 37.784    | 5736.238 | 5774.022 | ---        | ---     |
|            |         | 5795           | 37.823    | 5776.220 | 5814.043 | ---        | ---     |
| 11AX20SISO | Ant1    | 5745           | 19.856    | 5735.114 | 5754.970 | ---        | ---     |
|            |         | 5785           | 19.819    | 5775.119 | 5794.938 | ---        | ---     |
|            |         | 5825           | 19.822    | 5815.126 | 5834.948 | ---        | ---     |
| 11AX40SISO | Ant1    | 5755           | 38.398    | 5735.776 | 5774.174 | ---        | ---     |
|            |         | 5795           | 38.281    | 5775.849 | 5814.130 | ---        | ---     |

## Test Graphs





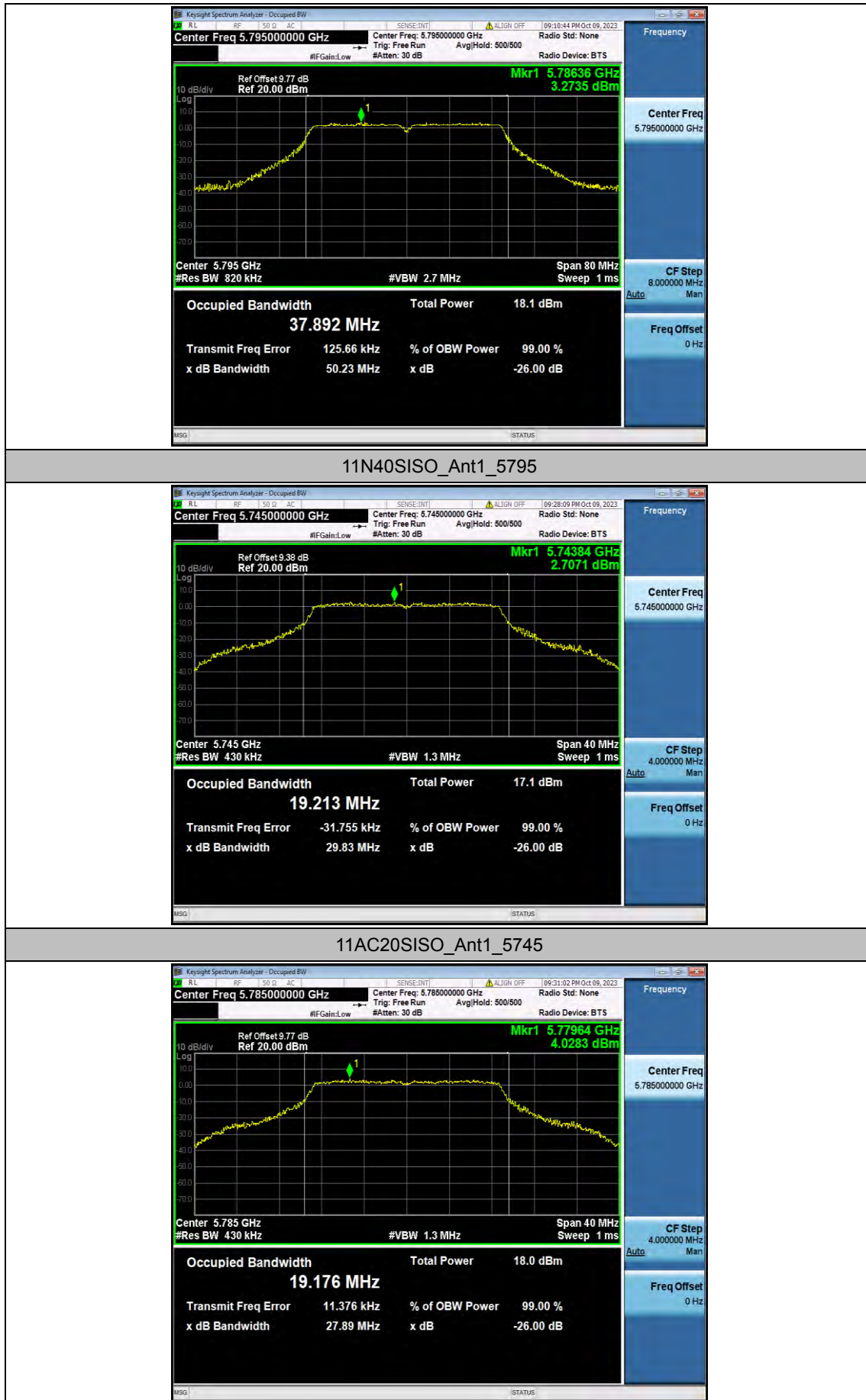
## 11N20SISO\_Ant1\_5785



## 11N20SISO\_Ant1\_5825



## 11N40SISO\_Ant1\_5755

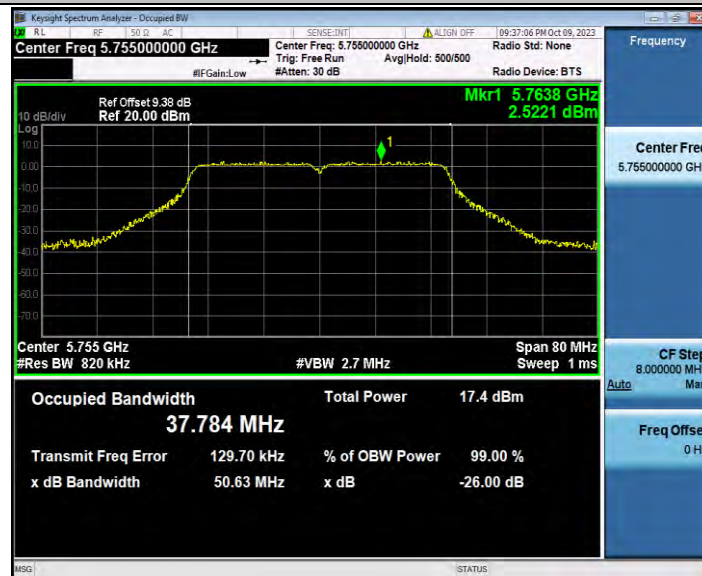




## 11AC20SISO\_Ant1\_5785



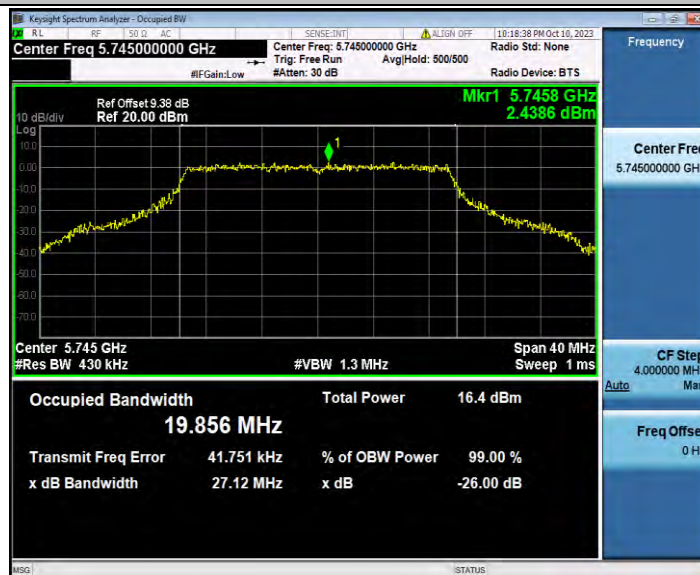
## 11AC20SISO\_Ant1\_5825



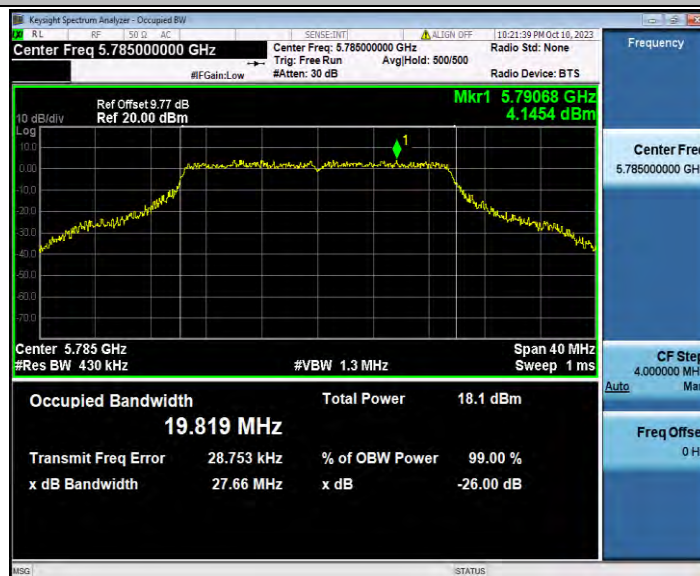
## 11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



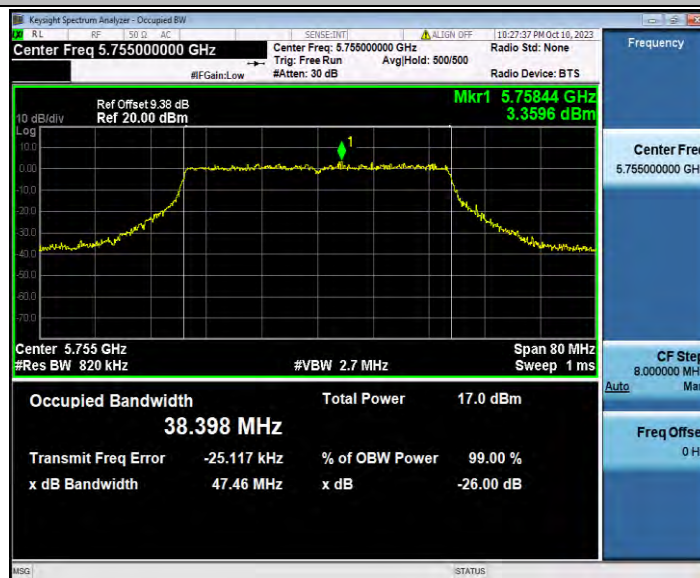
11AX20SISO\_Ant1\_5745



## 11AX20SISO\_Ant1\_5785

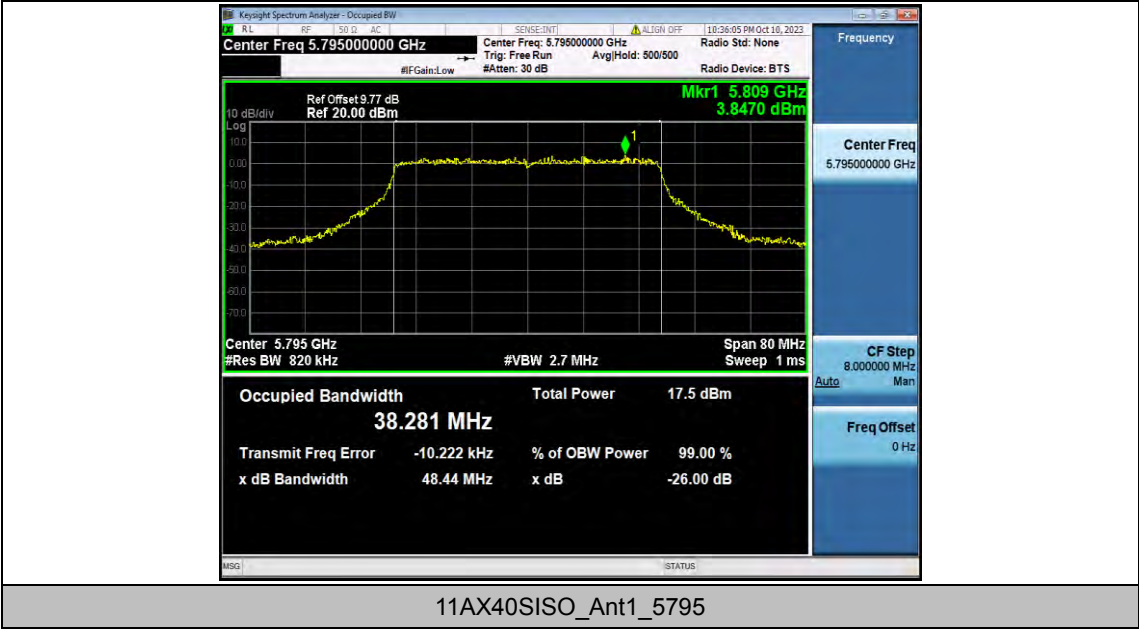


## 11AX20SISO\_Ant1\_5825



## 11AX40SISO\_Ant1\_5755



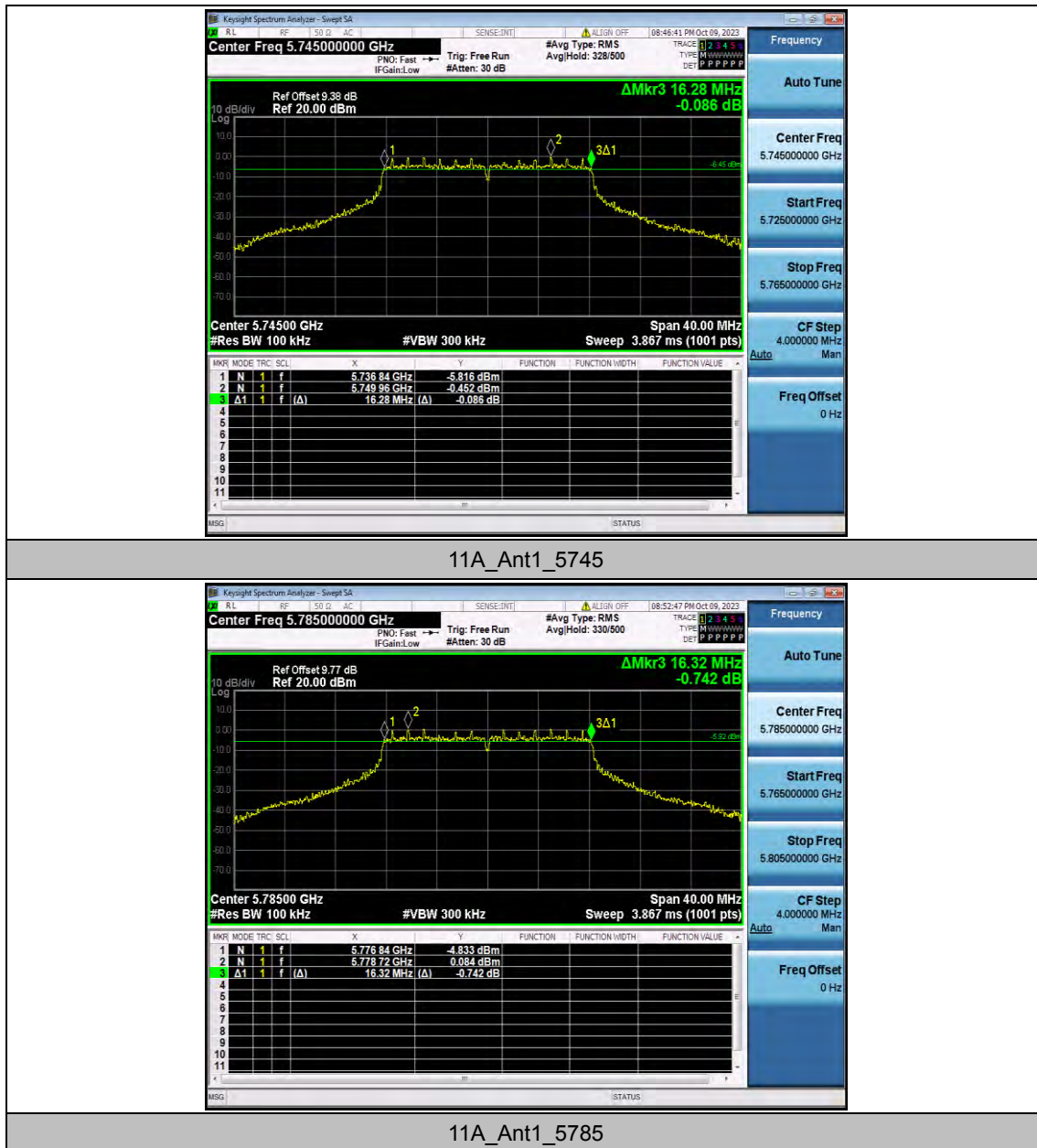


## Appendix G.2: Min emission bandwidth

### Test Result B4

| Test Mode  | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|---------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745           | 16.280        | 5736.840 | 5753.120 | 0.5        | PASS    |
|            |         | 5785           | 16.320        | 5776.840 | 5793.160 | 0.5        | PASS    |
|            |         | 5825           | 16.320        | 5816.840 | 5833.160 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745           | 17.560        | 5736.200 | 5753.760 | 0.5        | PASS    |
|            |         | 5785           | 17.560        | 5776.200 | 5793.760 | 0.5        | PASS    |
|            |         | 5825           | 17.560        | 5816.200 | 5833.760 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755           | 36.320        | 5736.840 | 5773.160 | 0.5        | PASS    |
|            |         | 5795           | 35.760        | 5777.080 | 5812.840 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745           | 17.560        | 5736.200 | 5753.760 | 0.5        | PASS    |
|            |         | 5785           | 17.560        | 5776.200 | 5793.760 | 0.5        | PASS    |
|            |         | 5825           | 17.560        | 5816.200 | 5833.760 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 36.320        | 5736.840 | 5773.160 | 0.5        | PASS    |
|            |         | 5795           | 36.080        | 5777.080 | 5813.160 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 5745           | 18.600        | 5735.680 | 5754.280 | 0.5        | PASS    |
|            |         | 5785           | 18.920        | 5775.560 | 5794.480 | 0.5        | PASS    |
|            |         | 5825           | 18.880        | 5815.560 | 5834.440 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 5755           | 37.360        | 5736.440 | 5773.800 | 0.5        | PASS    |
|            |         | 5795           | 37.200        | 5776.600 | 5813.800 | 0.5        | PASS    |

## Test Graphs B4





11A\_Ant1\_5825



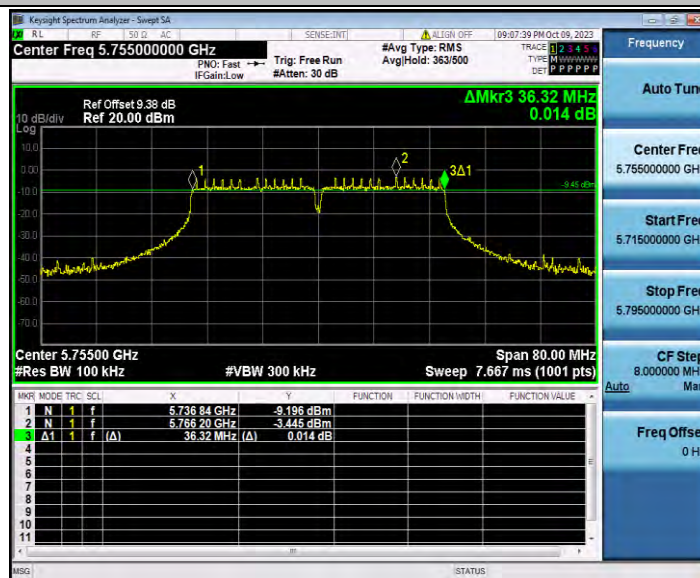
11N20SISO\_Ant1\_5745



## 11N20SISO\_Ant1\_5785

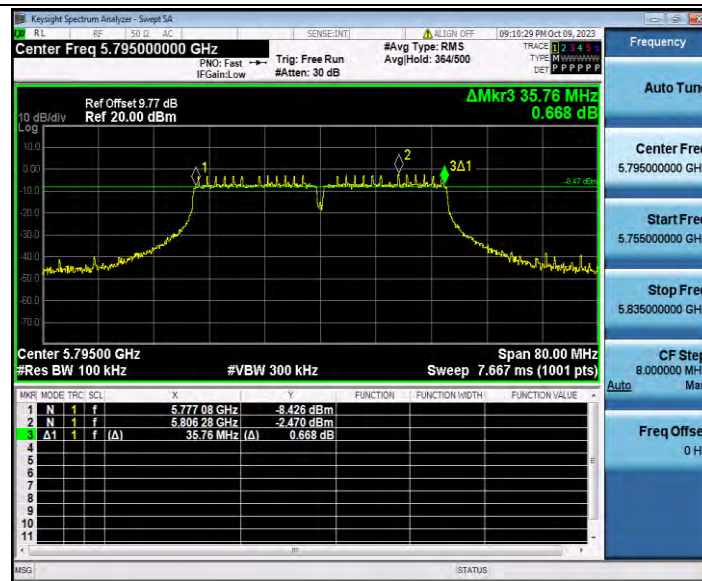


## 11N20SISO\_Ant1\_5825



## 11N40SISO\_Ant1\_5755



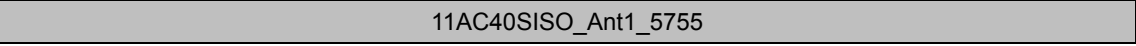
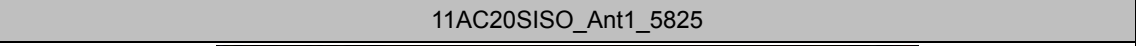


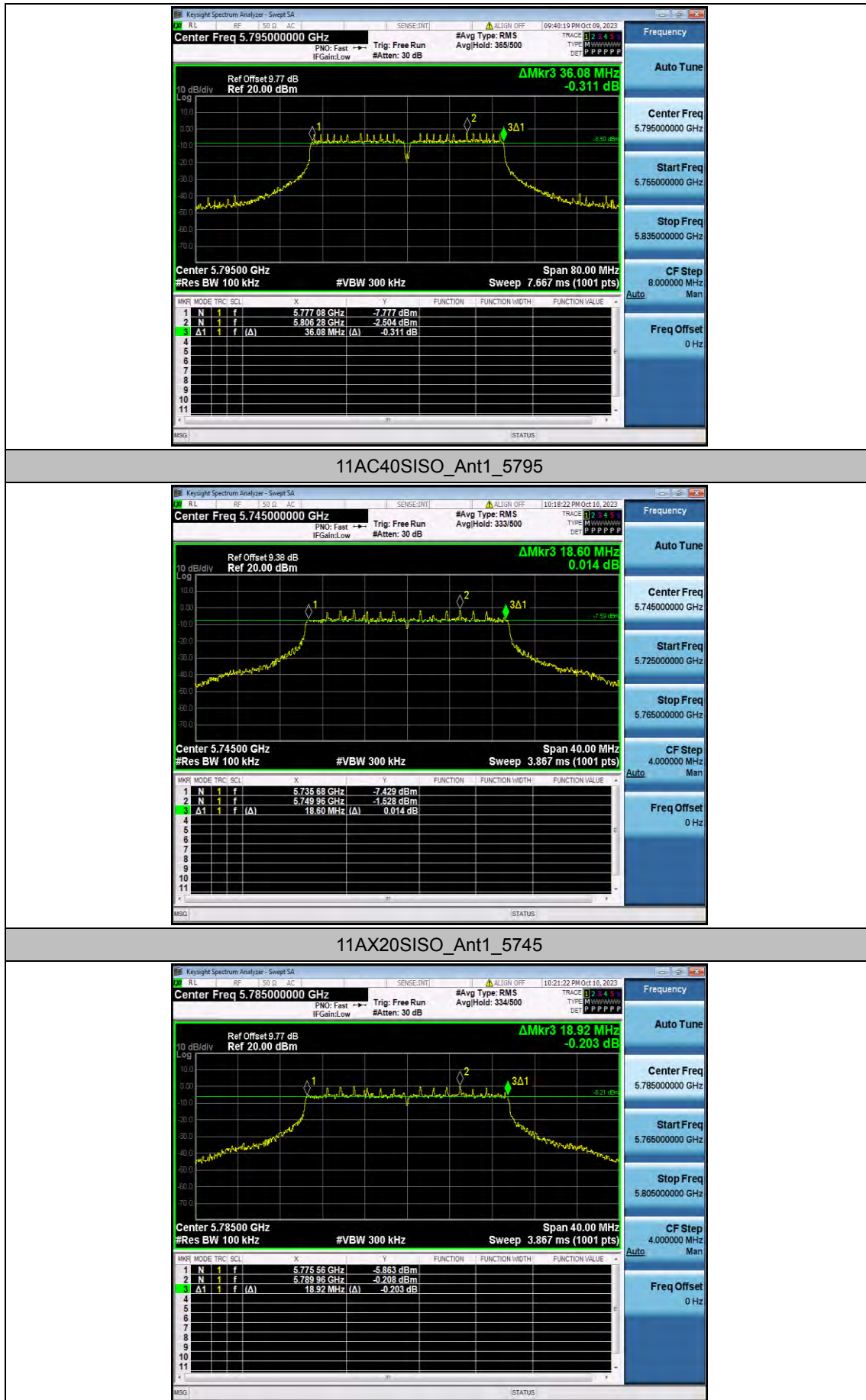
11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745

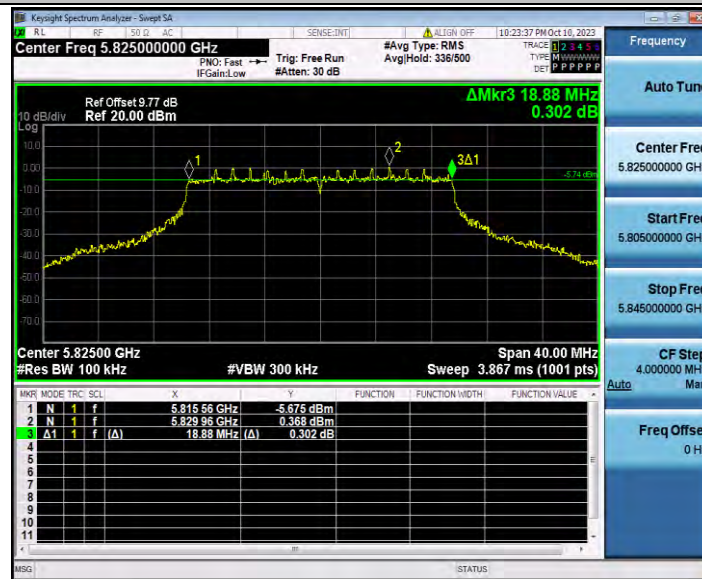




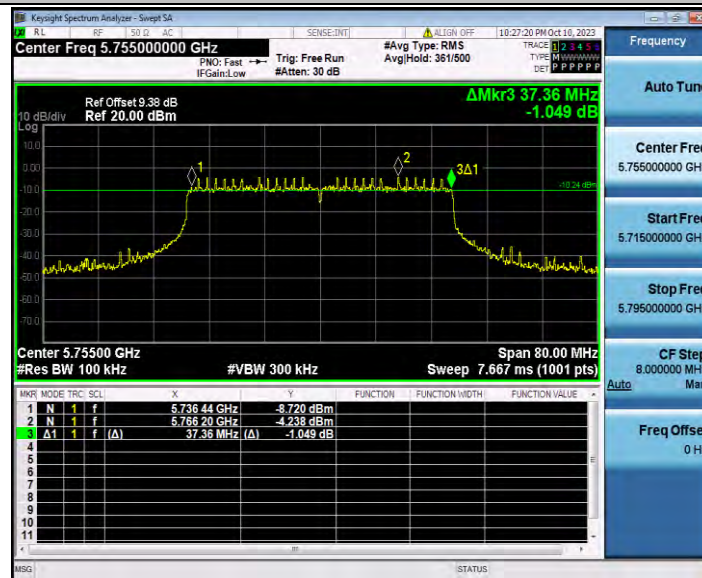




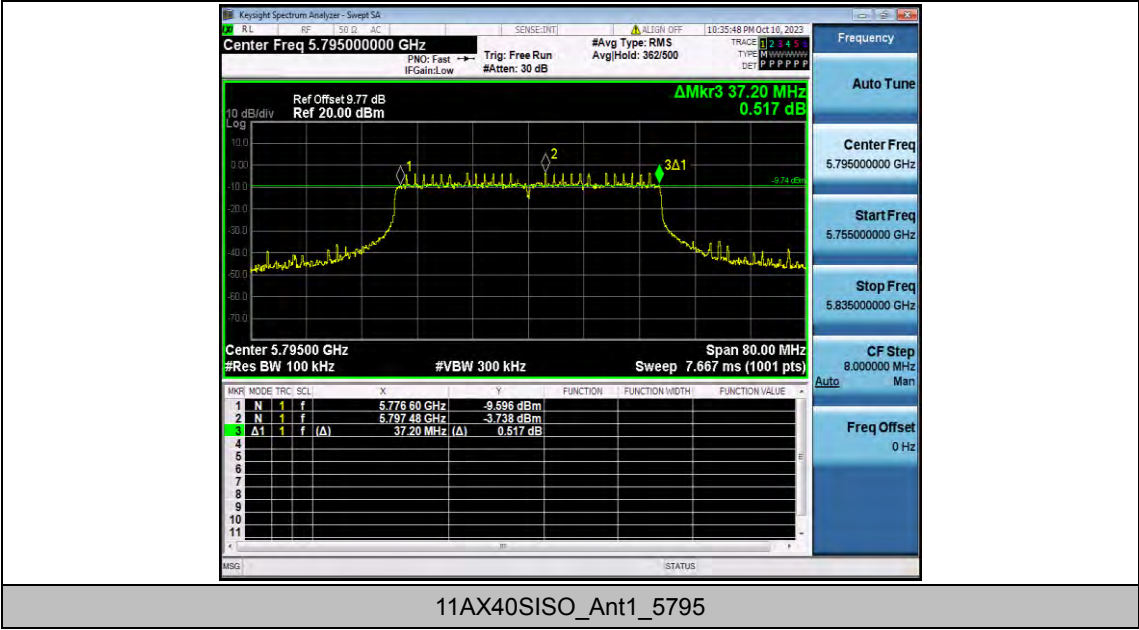
## 11AX20SISO\_Ant1\_5785



## 11AX20SISO\_Ant1\_5825



## 11AX40SISO\_Ant1\_5755



11AX40SISO\_Ant1\_5795

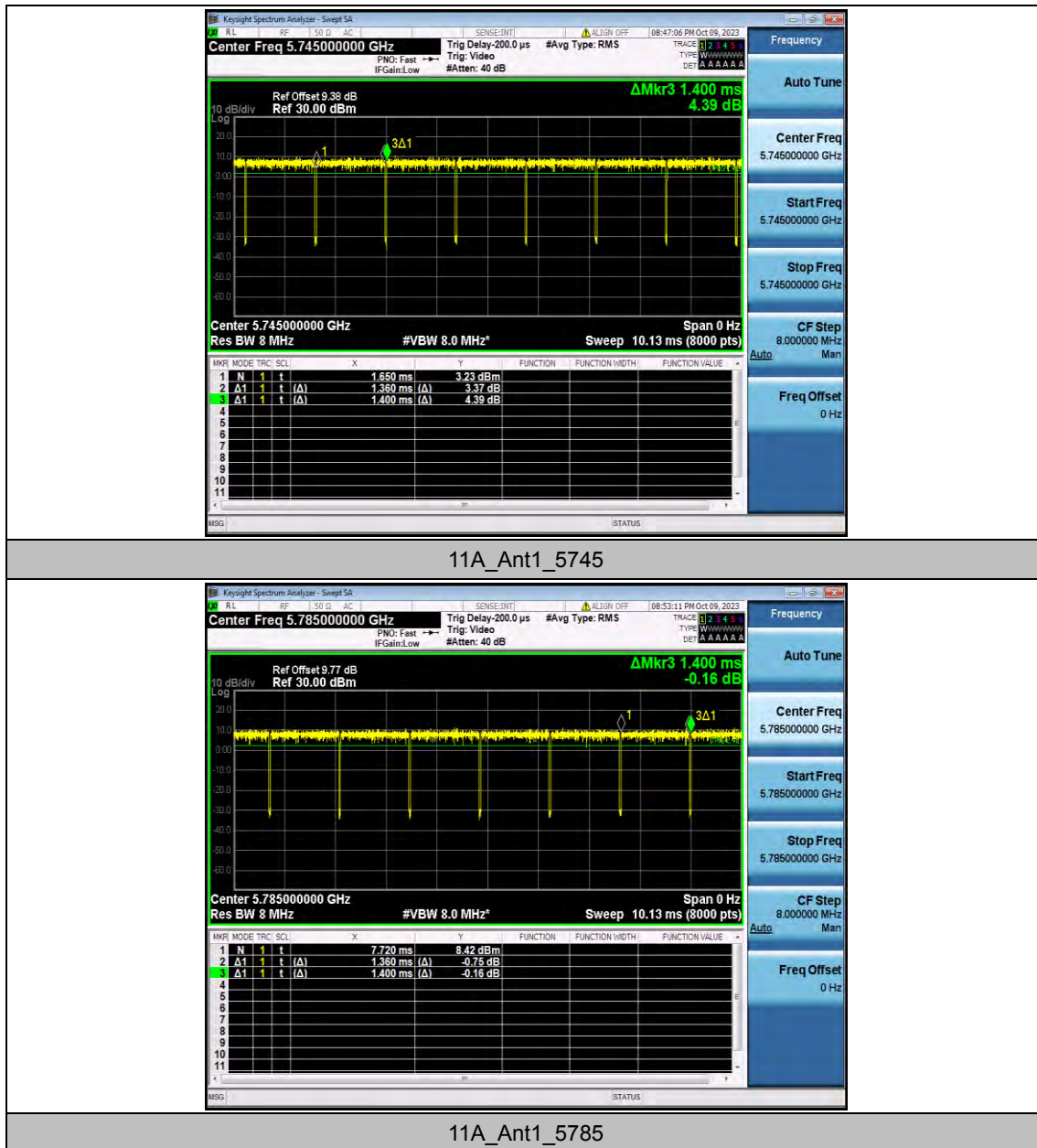


## Appendix G.3: Duty Cycle

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5745           | 1.36                       | 1.40                     | 97.14          |
|            |         | 5785           | 1.36                       | 1.40                     | 97.14          |
|            |         | 5825           | 1.37                       | 1.40                     | 97.86          |
| 11N20SISO  | Ant1    | 5745           | 1.27                       | 1.30                     | 97.69          |
|            |         | 5785           | 1.27                       | 1.31                     | 96.95          |
|            |         | 5825           | 1.27                       | 1.31                     | 96.95          |
| 11N40SISO  | Ant1    | 5755           | 0.64                       | 0.67                     | 95.52          |
|            |         | 5795           | 0.63                       | 0.67                     | 94.03          |
| 11AC20SISO | Ant1    | 5745           | 1.28                       | 1.31                     | 97.71          |
|            |         | 5785           | 1.28                       | 1.31                     | 97.71          |
|            |         | 5825           | 1.28                       | 1.31                     | 97.71          |
| 11AC40SISO | Ant1    | 5755           | 0.64                       | 0.67                     | 95.52          |
|            |         | 5795           | 0.64                       | 0.67                     | 95.52          |
| 11AX20SISO | Ant1    | 5745           | 0.99                       | 1.03                     | 96.12          |
|            |         | 5785           | 0.99                       | 1.09                     | 90.83          |
|            |         | 5825           | 0.99                       | 1.03                     | 96.12          |
| 11AX40SISO | Ant1    | 5755           | 0.51                       | 0.61                     | 83.61          |
|            |         | 5795           | 0.51                       | 0.56                     | 91.07          |

## Test Graphs



Keysight Spectrum Analyzer - Swept SA

F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12

SENSE-TWT ALIGN OFF 08:57:54 PM Oct 09, 2023

Center Freq 5.745000000 GHz Trig Delay-200.0 μs #Avg Type: RMS TRACE B [ 1 ] S  
PNO: Fast IFGainLow Trig: Video TYPE W W W W W W W W  
#Atten: 40 dB DET A A A A A A

Ref Offset 9.38 dB ΔMkr3 1.300 ms  
Ref 30.00 dB -40.20 dB

10 dB/div L-9g

Center Freq 5.745000000 GHz Span 0 Hz  
Res BW 8 MHz #VBW 8.0 MHz\* Sweep 10.13 ms (8000 pts)

| MNR | MODE | TRIG | SCL   | X            | Y         | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|------|-------|--------------|-----------|----------|----------------|----------------|
| 1   | N    | 1    | t     | 3.890 ms     | 6.83 dBm  |          |                |                |
| 2   | Δ1   | 1    | t (Δ) | 1.270 ms (Δ) | -0.84 dB  |          |                |                |
| 3   | Δ1   | 1    | t (Δ) | 1.300 ms (Δ) | -40.20 dB |          |                |                |
| 4   |      |      |       |              |           |          |                |                |
| 5   |      |      |       |              |           |          |                |                |
| 6   |      |      |       |              |           |          |                |                |
| 7   |      |      |       |              |           |          |                |                |
| 8   |      |      |       |              |           |          |                |                |
| 9   |      |      |       |              |           |          |                |                |
| 10  |      |      |       |              |           |          |                |                |
| 11  |      |      |       |              |           |          |                |                |

MSG STATUS

Frequency

Auto Tune

Center Freq  
5.745000000 GHz

Start Freq  
5.745000000 GHz

Stop Freq  
5.745000000 GHz

CF Step  
8.000000 MHz Man

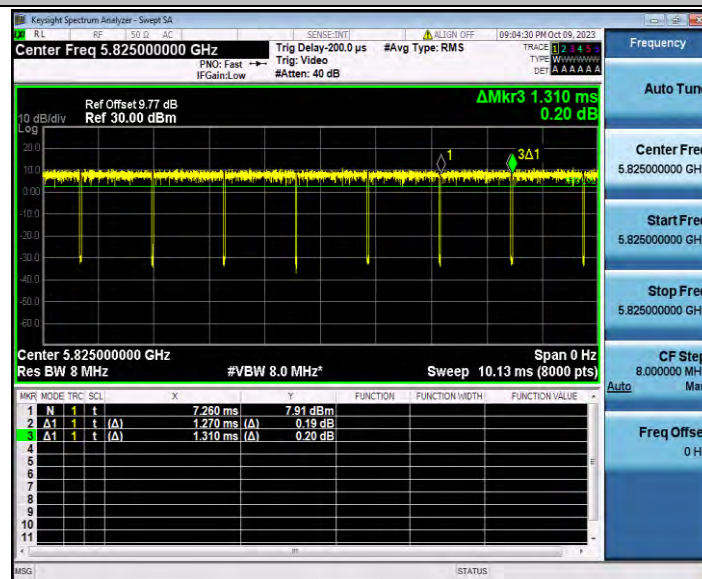
Auto

Freq Offset  
0 Hz

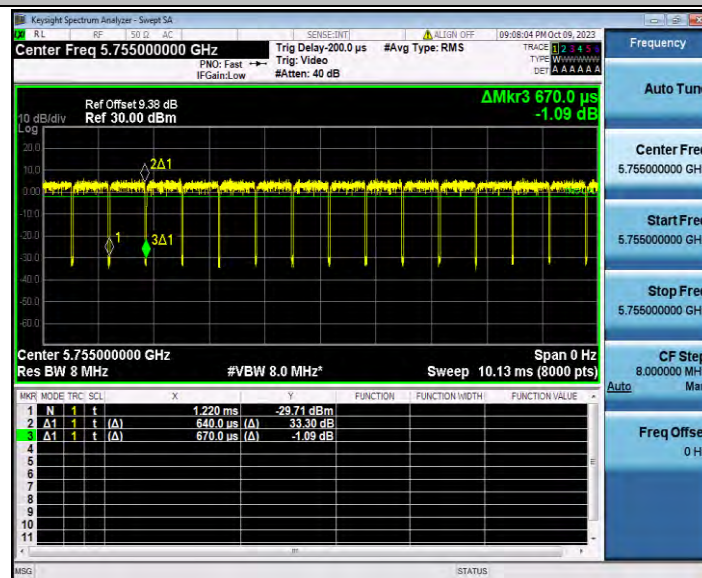
The screenshot displays a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a center frequency of 5.785000000 GHz. A measurement of 3 dB bandwidth is indicated as 1.310 ms. The frequency offset is 0 Hz. The span is 0 Hz. The resolution bandwidth (Res BW) is 8 MHz. The sweep time is 10.13 ms (8000 pts). The signal is identified as 'Center Freq 5.785000000 GHz'. The measurement is labeled 'ΔMkr3 1.310 ms 0.38 dB'. The signal is identified as '1' and '3Δ1'.

| MR | MODE | TRIG | SCL | X        | Y        | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|----|------|------|-----|----------|----------|----------|----------------|----------------|
| 1  | N    | 1    | t   | 6.320 ms | 7.83 dBm |          |                |                |
| 2  | Δ1   | 1    | t   | 1.270 ms | -0.01 dB |          |                |                |
| 3  | Δ1   | 1    | t   | 1.310 ms | 0.38 dB  |          |                |                |

## 11N20SISO\_Ant1\_5785

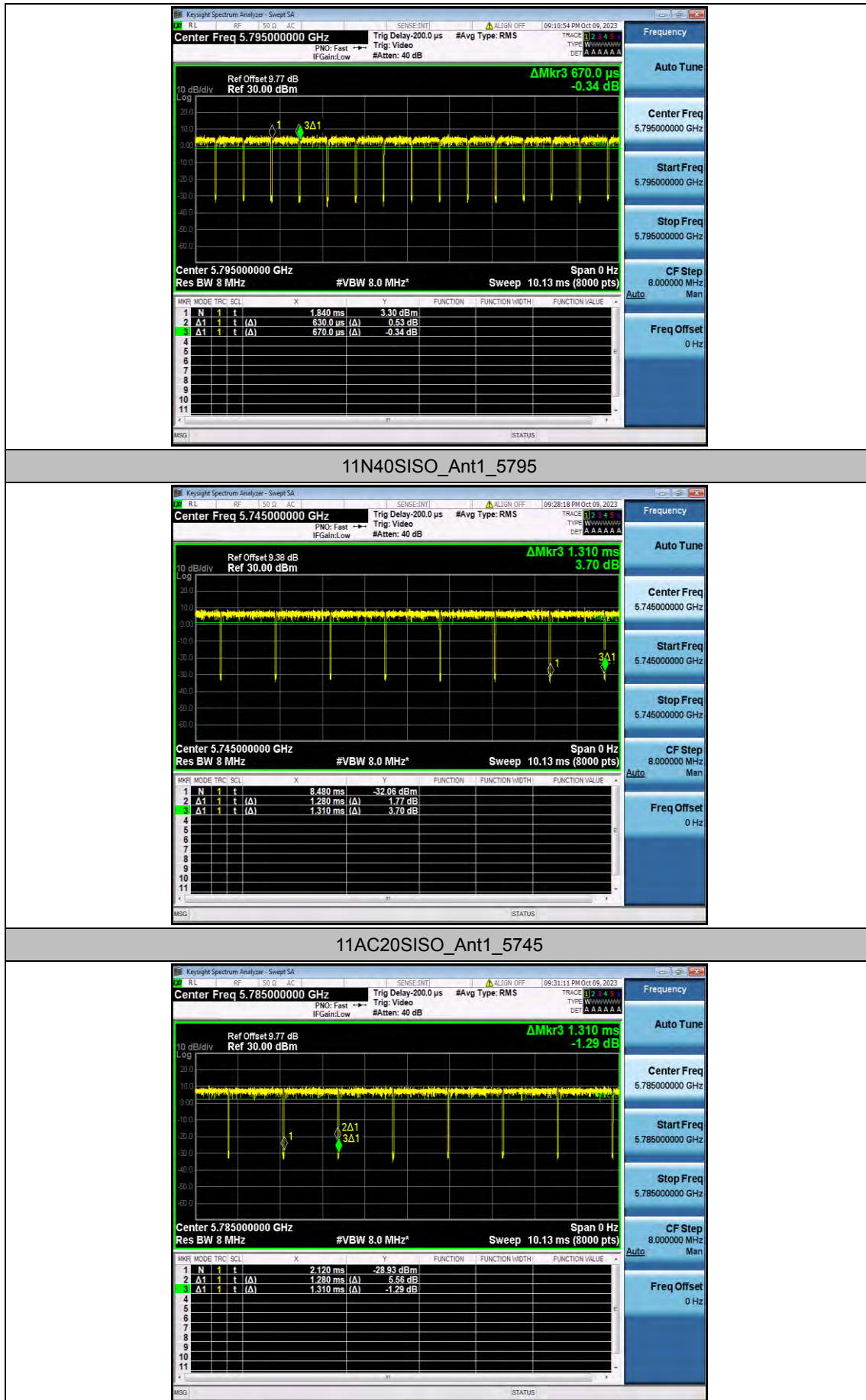


## 11N20SISO\_Ant1\_5825



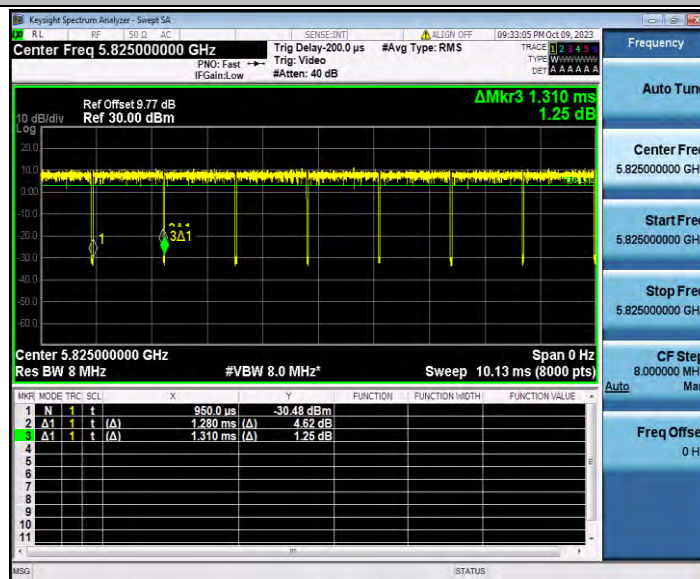
## 11N40SISO\_Ant1\_5755



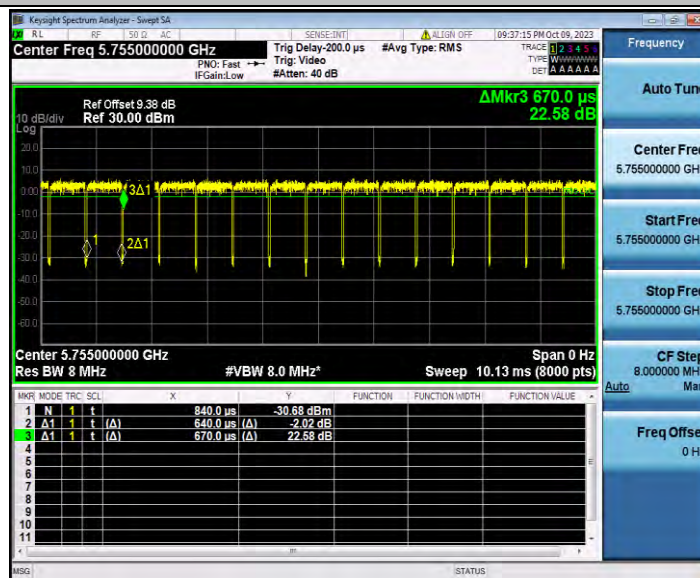




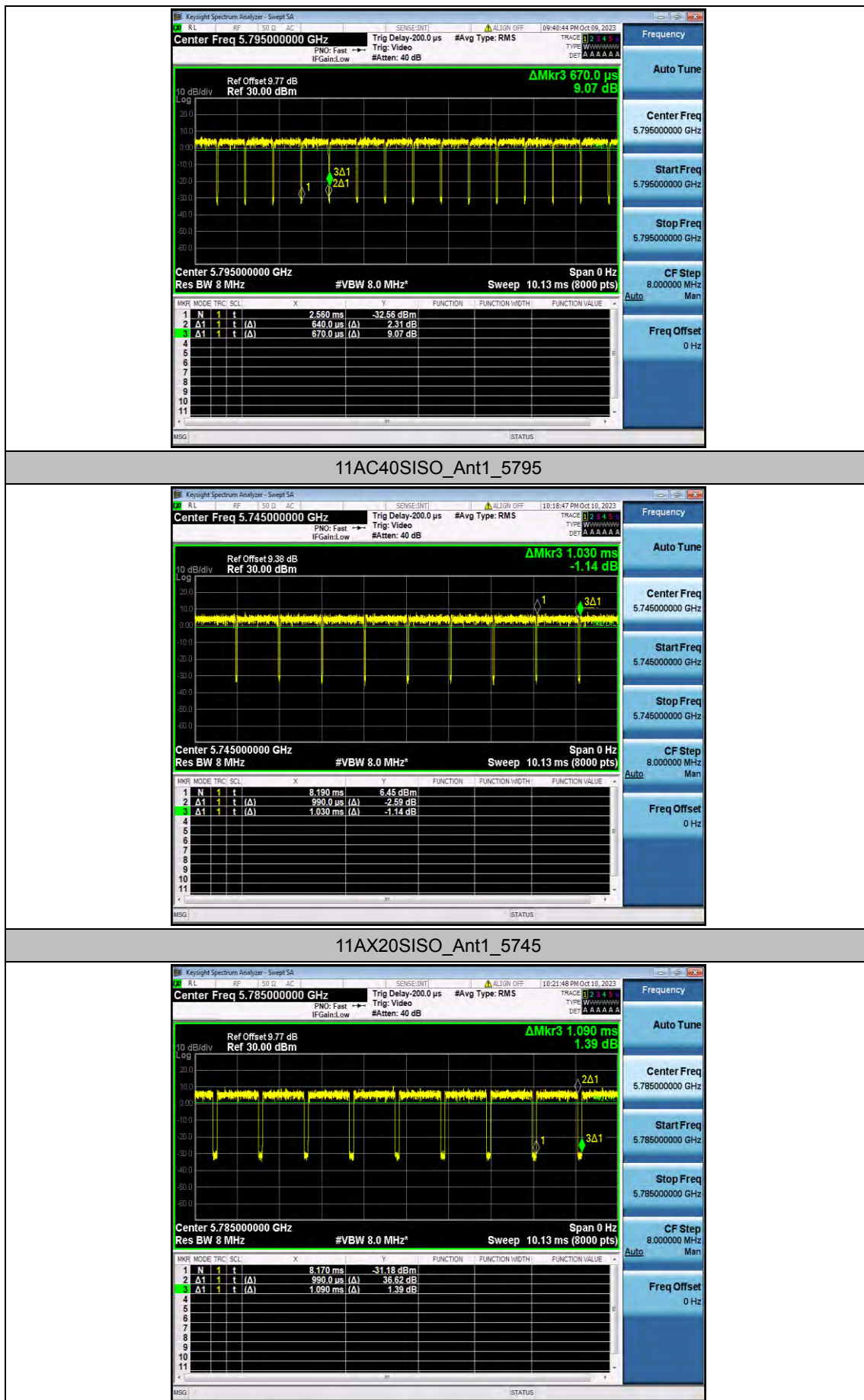
## 11AC20SISO\_Ant1\_5785



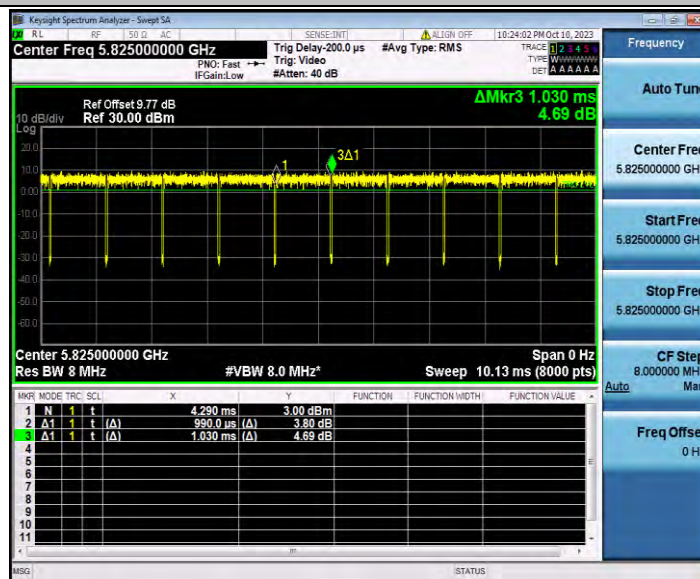
## 11AC20SISO\_Ant1\_5825



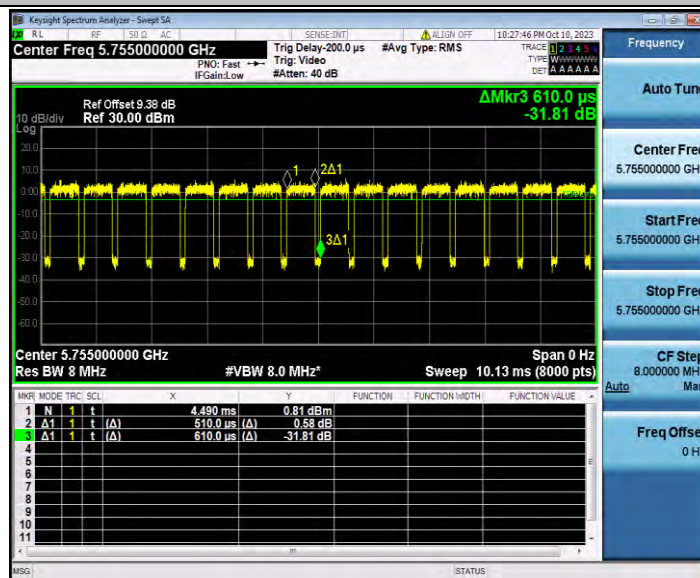
## 11AC40SISO\_Ant1\_5755



## 11AX20SISO\_Ant1\_5785



## 11AX20SISO\_Ant1\_5825



## 11AX40SISO\_Ant1\_5755

