

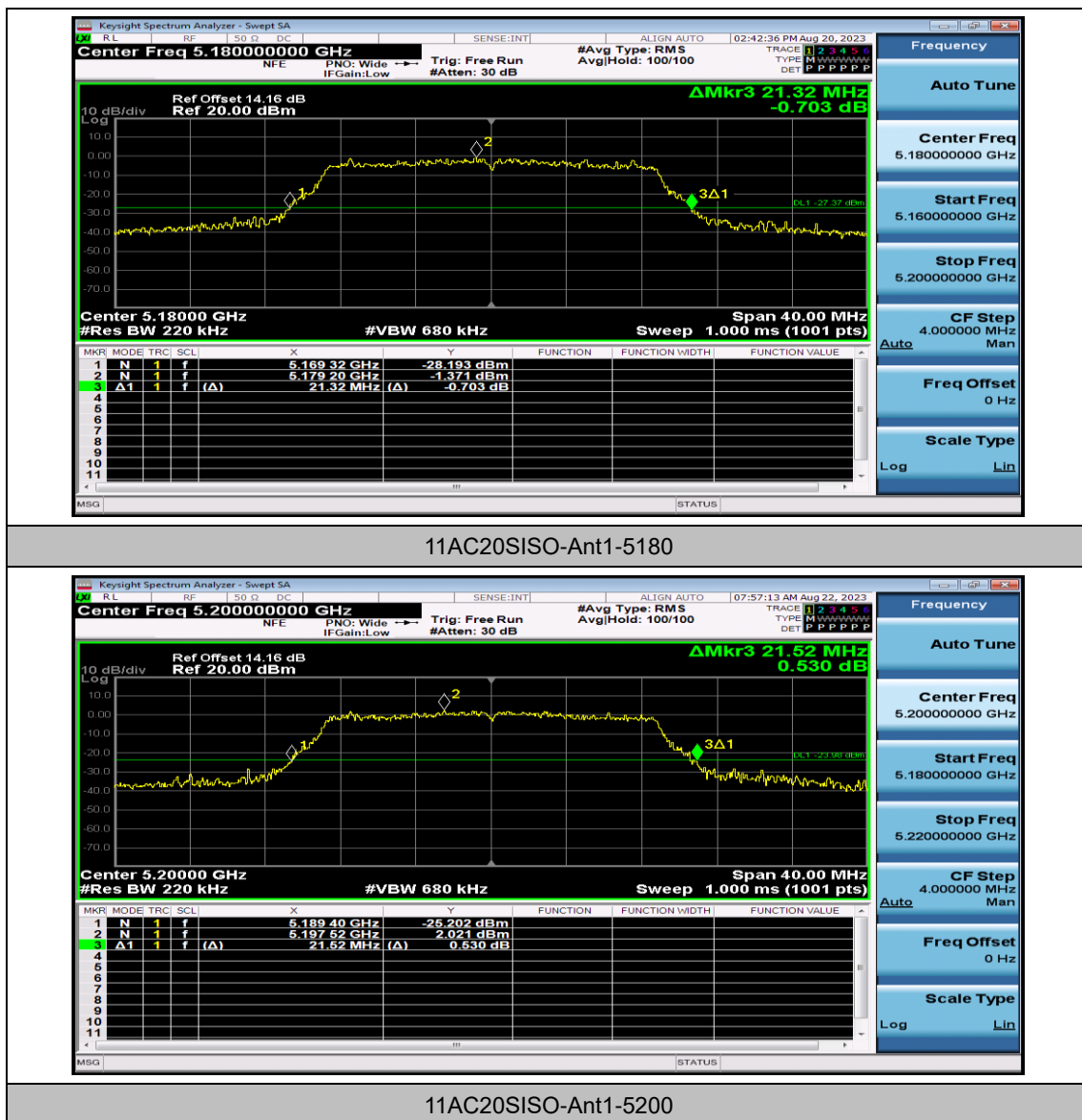
## TEST REPORT

### Appendix A1: Emission Bandwidth

#### Test Result

| TestMode   | Antenna | Frequency[MHz] | 26db<br>EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11AC20SISO | Ant1    | 5180           | 21.320               | 5169.320 | 5190.640 | ---        | ---     |
| 11AC20SISO | Ant1    | 5200           | 21.520               | 5189.400 | 5210.920 | ---        | ---     |
| 11AC20SISO | Ant1    | 5240           | 21.160               | 5229.400 | 5250.560 | ---        | ---     |
| 11AC20SISO | Ant1    | 5260           | 21.360               | 5249.360 | 5270.720 | ---        | ---     |
| 11AC20SISO | Ant1    | 5280           | 21.240               | 5269.440 | 5290.680 | ---        | ---     |
| 11AC20SISO | Ant1    | 5320           | 21.440               | 5309.360 | 5330.800 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500           | 21.240               | 5489.520 | 5510.760 | ---        | ---     |
| 11AC20SISO | Ant1    | 5580           | 21.400               | 5569.320 | 5590.720 | ---        | ---     |
| 11AC20SISO | Ant1    | 5700           | 21.640               | 5689.080 | 5710.720 | ---        | ---     |
| 11AC20SISO | Ant1    | 5720           | 21.260               | 5709.488 | 5730.750 | ---        | ---     |
| 11AC20SISO | Ant1    | 5745           | 21.080               | 5734.560 | 5755.640 | ---        | ---     |
| 11AC20SISO | Ant1    | 5785           | 21.440               | 5774.240 | 5795.680 | ---        | ---     |
| 11AC20SISO | Ant1    | 5825           | 21.560               | 5814.360 | 5835.920 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190           | 39.680               | 5170.320 | 5210.000 | ---        | ---     |
| 11AC40SISO | Ant1    | 5230           | 39.840               | 5210.000 | 5249.840 | ---        | ---     |
| 11AC40SISO | Ant1    | 5270           | 40.000               | 5250.320 | 5290.320 | ---        | ---     |
| 11AC40SISO | Ant1    | 5310           | 39.520               | 5290.320 | 5329.840 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510           | 39.920               | 5490.240 | 5530.160 | ---        | ---     |
| 11AC40SISO | Ant1    | 5550           | 39.760               | 5530.240 | 5570.000 | ---        | ---     |
| 11AC40SISO | Ant1    | 5670           | 39.840               | 5649.920 | 5689.760 | ---        | ---     |
| 11AC40SISO | Ant1    | 5710           | 39.875               | 5690.137 | 5730.012 | ---        | ---     |
| 11AC40SISO | Ant1    | 5755           | 39.760               | 5735.160 | 5774.920 | ---        | ---     |
| 11AC40SISO | Ant1    | 5795           | 39.920               | 5774.920 | 5814.840 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210           | 80.960               | 5169.520 | 5250.480 | ---        | ---     |
| 11AC80SISO | Ant1    | 5290           | 80.960               | 5249.520 | 5330.480 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530           | 81.600               | 5489.200 | 5570.800 | ---        | ---     |
| 11AC80SISO | Ant1    | 5690           | 81.227               | 5649.309 | 5730.536 | ---        | ---     |
| 11AC80SISO | Ant1    | 5775           | 82.880               | 5734.360 | 5817.240 | ---        | ---     |

## Test Graphs





11AC20SISO-Ant1-5240



11AC20SISO-Ant1-5260



11AC20SISO-Ant1-5280



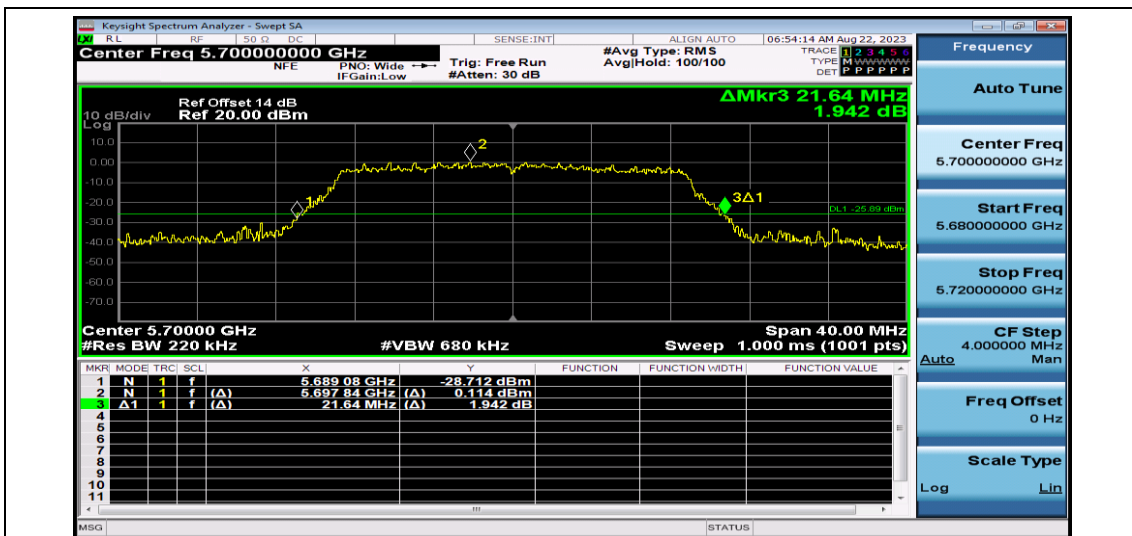
11AC20SISO-Ant1-5320



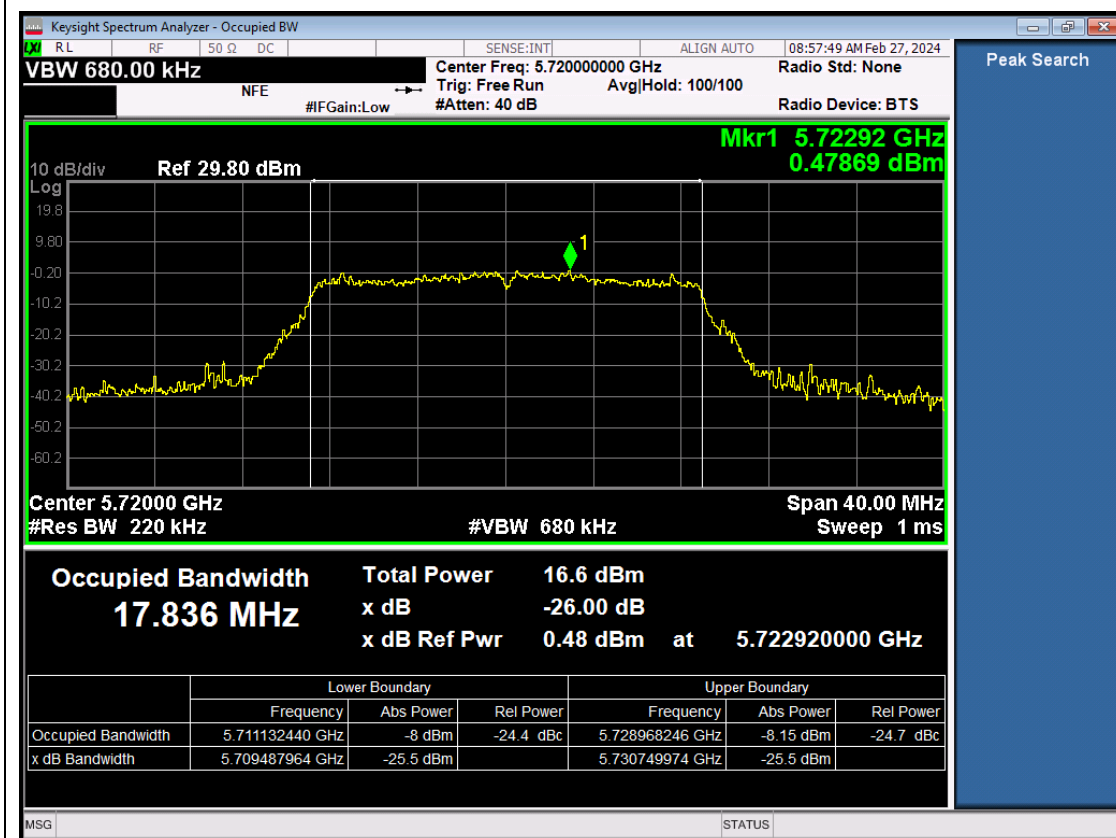
11AC20SISO-Ant1-5500



11AC20SISO-Ant1-5580



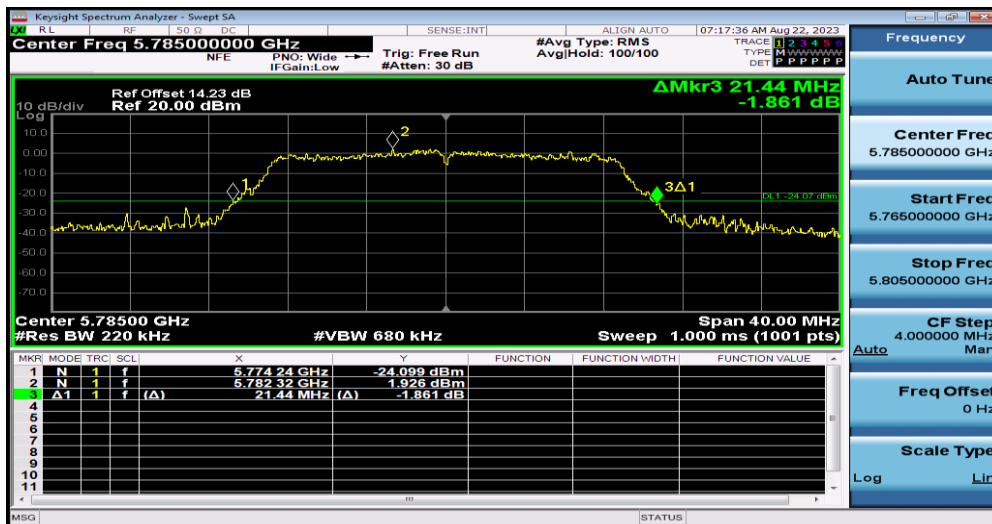
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11AC20SISO-Ant1-5720



11AC20SISO-Ant1-5745



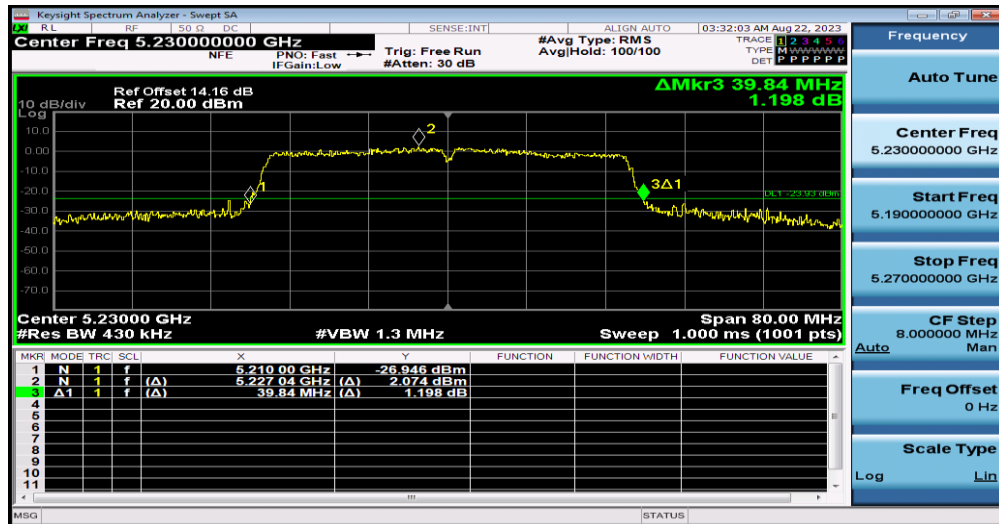
11AC20SISO-Ant1-5785



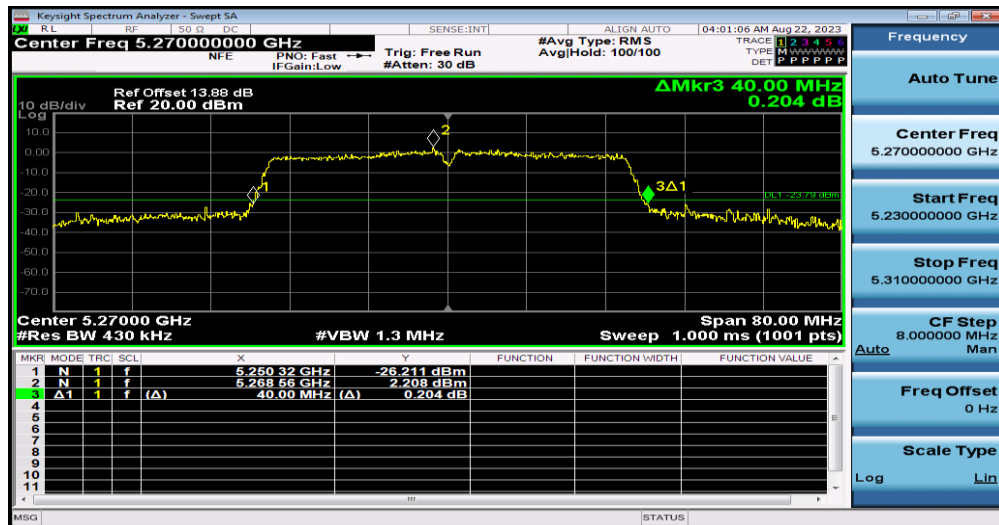
11AC20SISO-Ant1-5825



11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230



11AC40SISO-Ant1-5270



11AC40SISO-Ant1-5310



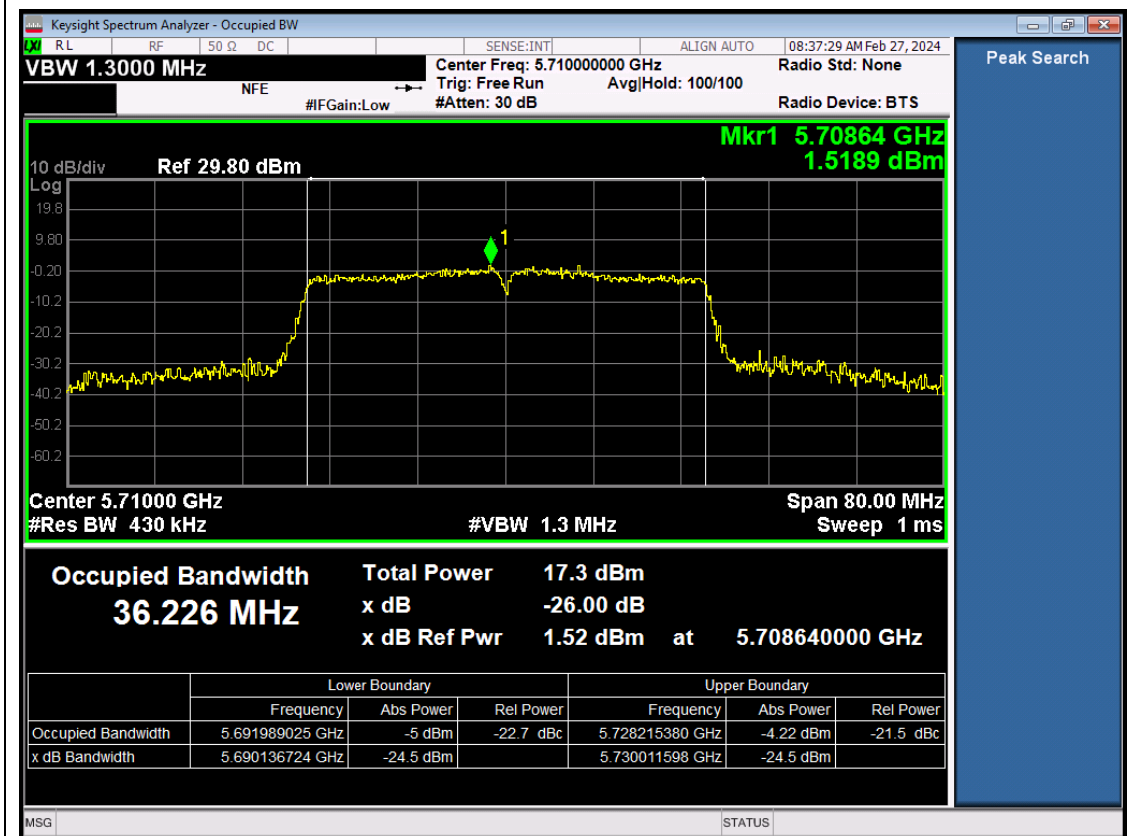
11AC40SISO-Ant1-5510



11AC40SISO-Ant1-5550



11AC40SISO-Ant1-5670



11AC40SISO-Ant1-5710



11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795



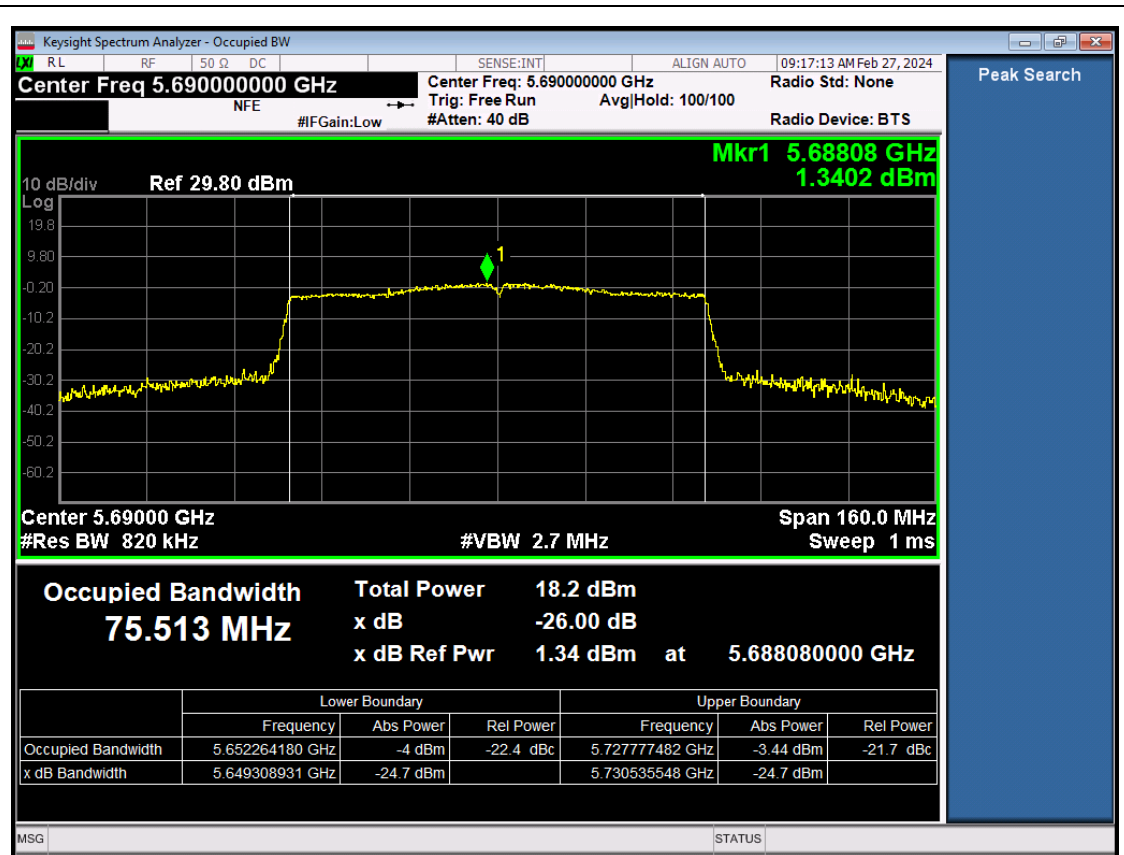
11AC80SISO-Ant1-5210



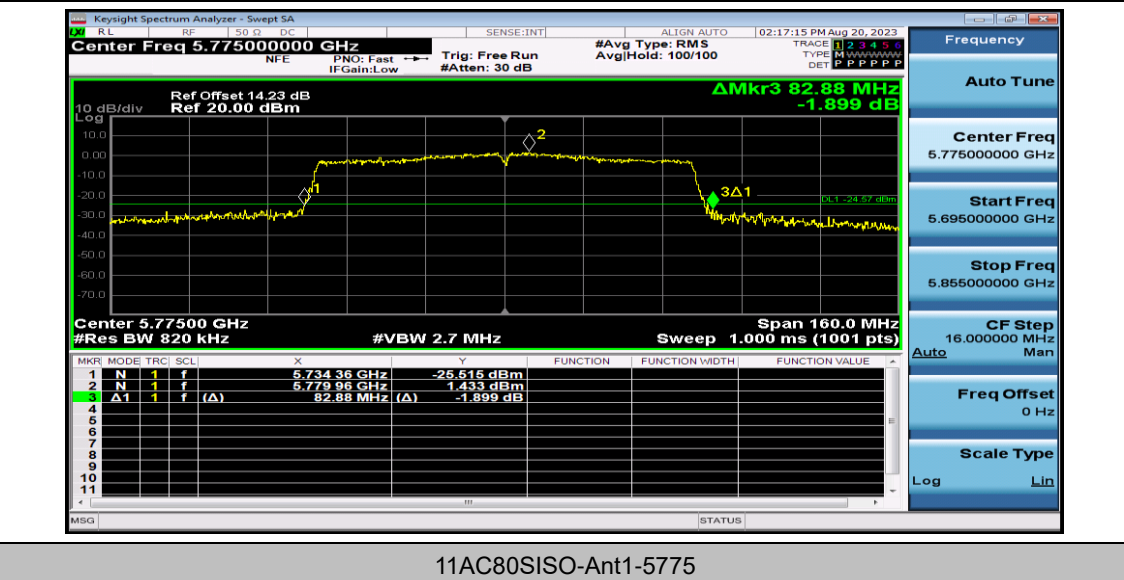
11AC80SISO-Ant1-5290



11AC80SISO-Ant1-5530



11AC80SISO-Ant1-5690



11AC80SISO-Ant1-5775

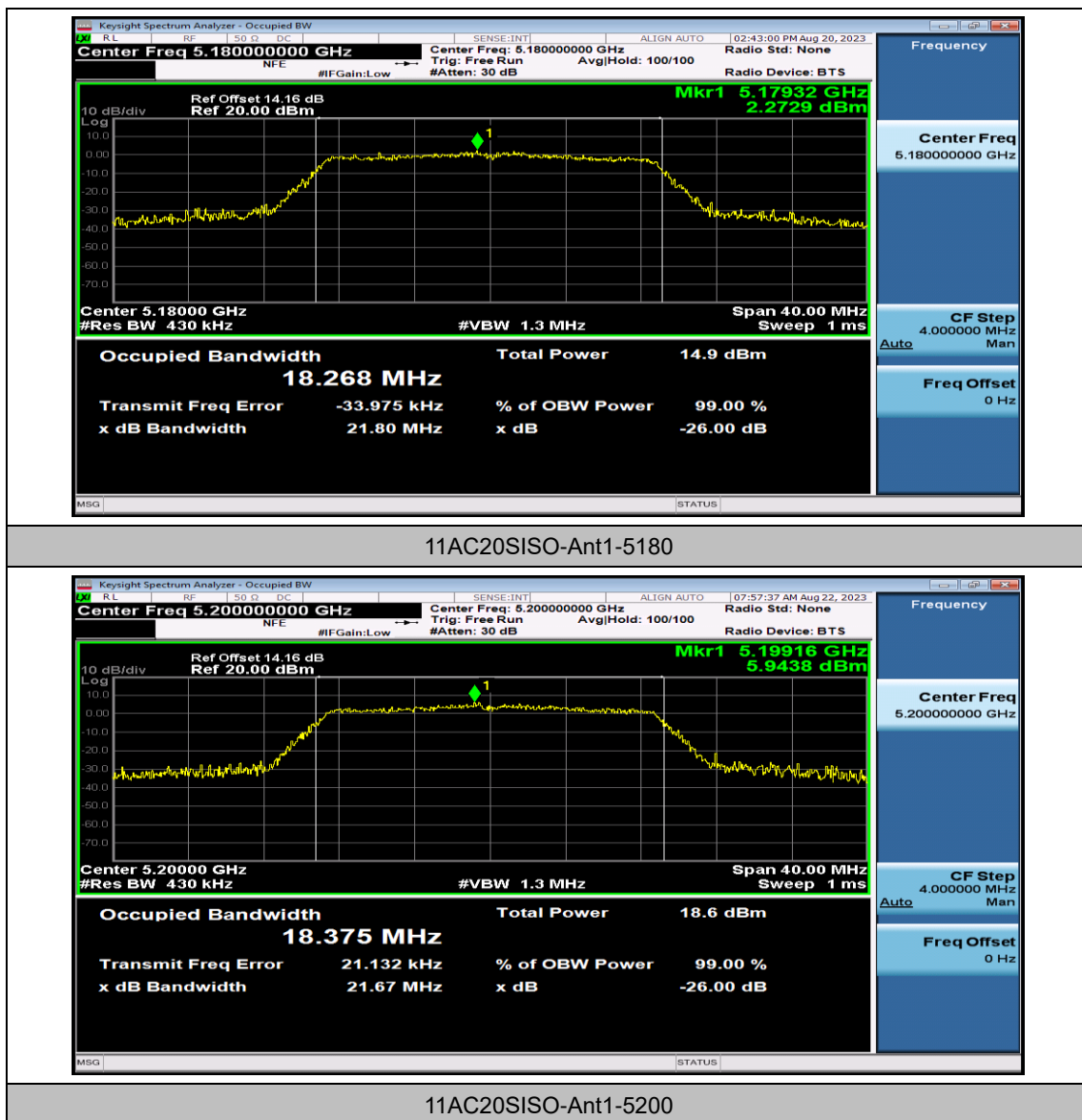
## TEST REPORT

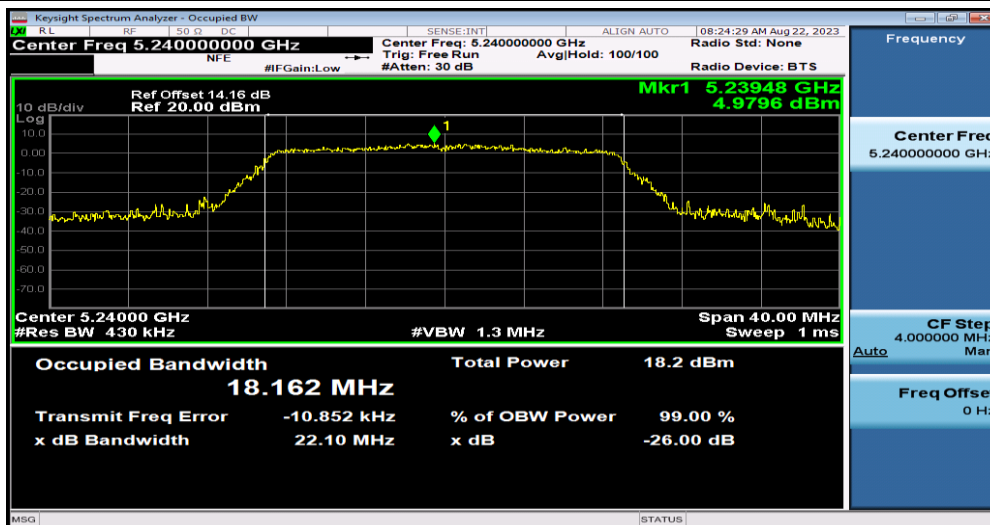
### Appendix A2: Occupied channel bandwidth

#### Test Result

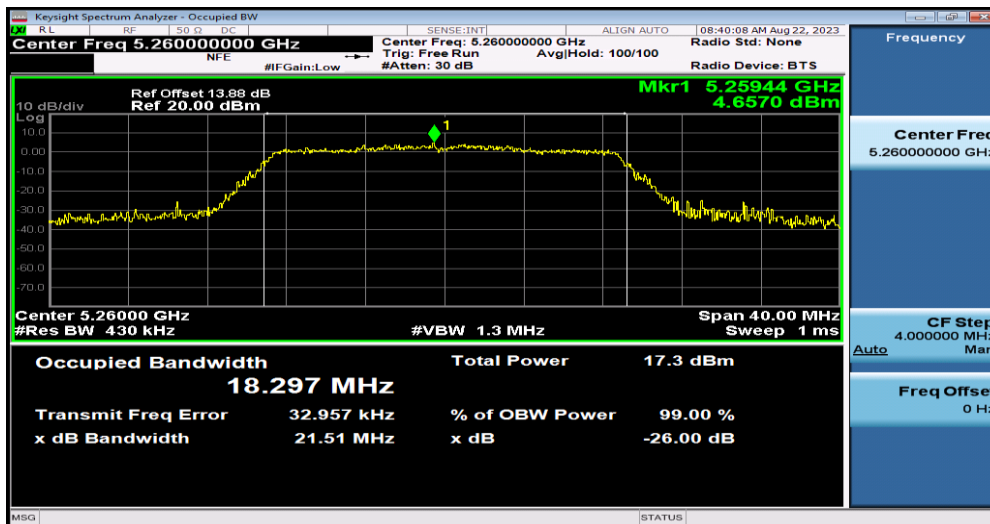
| TestMode   | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|-----------|-----------|------------|---------|
| 11AC20SISO | Ant1    | 5180           | 18.268    | 5170.8320 | 5189.1000 | ---        | ---     |
| 11AC20SISO | Ant1    | 5200           | 18.375    | 5190.8336 | 5209.2086 | ---        | ---     |
| 11AC20SISO | Ant1    | 5240           | 18.162    | 5230.9082 | 5249.0702 | ---        | ---     |
| 11AC20SISO | Ant1    | 5260           | 18.297    | 5250.8845 | 5269.1815 | ---        | ---     |
| 11AC20SISO | Ant1    | 5280           | 18.209    | 5270.9734 | 5289.1824 | ---        | ---     |
| 11AC20SISO | Ant1    | 5320           | 18.183    | 5310.9187 | 5329.1017 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500           | 18.216    | 5490.9388 | 5509.1548 | ---        | ---     |
| 11AC20SISO | Ant1    | 5580           | 18.151    | 5570.9861 | 5589.1371 | ---        | ---     |
| 11AC20SISO | Ant1    | 5700           | 18.176    | 5690.9052 | 5709.0812 | ---        | ---     |
| 11AC20SISO | Ant1    | 5720           | 18.267    | 5710.9467 | 5729.2139 | ---        | ---     |
| 11AC20SISO | Ant1    | 5745           | 18.245    | 5735.9162 | 5754.1612 | ---        | ---     |
| 11AC20SISO | Ant1    | 5785           | 18.266    | 5775.8745 | 5794.1405 | ---        | ---     |
| 11AC20SISO | Ant1    | 5825           | 18.212    | 5815.9167 | 5834.1287 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190           | 36.479    | 5171.7296 | 5208.2086 | ---        | ---     |
| 11AC40SISO | Ant1    | 5230           | 36.365    | 5211.7827 | 5248.1477 | ---        | ---     |
| 11AC40SISO | Ant1    | 5270           | 36.558    | 5251.8174 | 5288.3754 | ---        | ---     |
| 11AC40SISO | Ant1    | 5310           | 36.407    | 5291.8625 | 5328.2695 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510           | 36.272    | 5491.8864 | 5528.1584 | ---        | ---     |
| 11AC40SISO | Ant1    | 5550           | 36.417    | 5531.7763 | 5568.1933 | ---        | ---     |
| 11AC40SISO | Ant1    | 5670           | 36.349    | 5651.8409 | 5688.1899 | ---        | ---     |
| 11AC40SISO | Ant1    | 5710           | 36.370    | 5691.9009 | 5728.2713 | ---        | ---     |
| 11AC40SISO | Ant1    | 5755           | 36.384    | 5736.8713 | 5773.2553 | ---        | ---     |
| 11AC40SISO | Ant1    | 5795           | 36.496    | 5776.7592 | 5813.2552 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210           | 75.762    | 5172.1654 | 5247.9274 | ---        | ---     |
| 11AC80SISO | Ant1    | 5290           | 75.919    | 5252.1626 | 5328.0816 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530           | 75.589    | 5492.3029 | 5567.8919 | ---        | ---     |
| 11AC80SISO | Ant1    | 5690           | 75.993    | 5652.0087 | 5728.0017 | ---        | ---     |
| 11AC80SISO | Ant1    | 5775           | 75.743    | 5737.2182 | 5812.9612 | ---        | ---     |

## Test Graphs

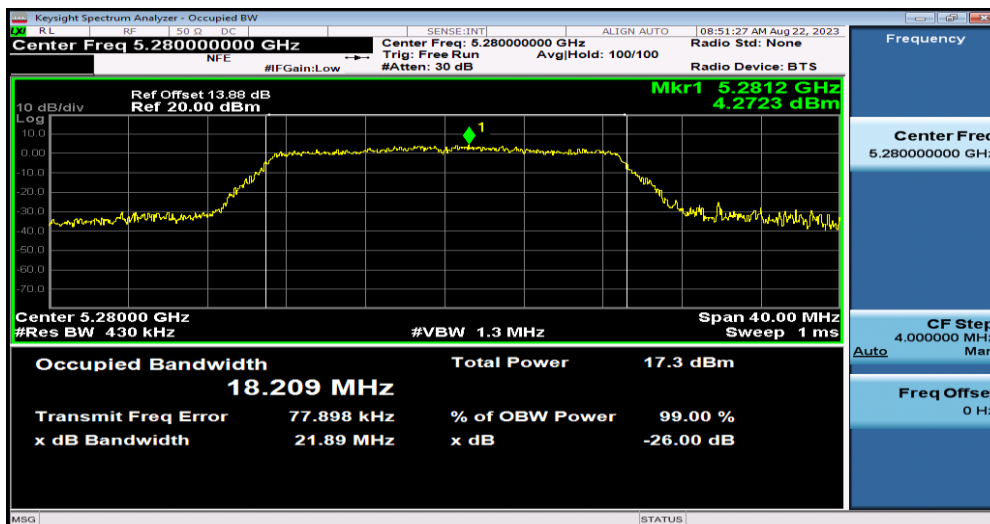




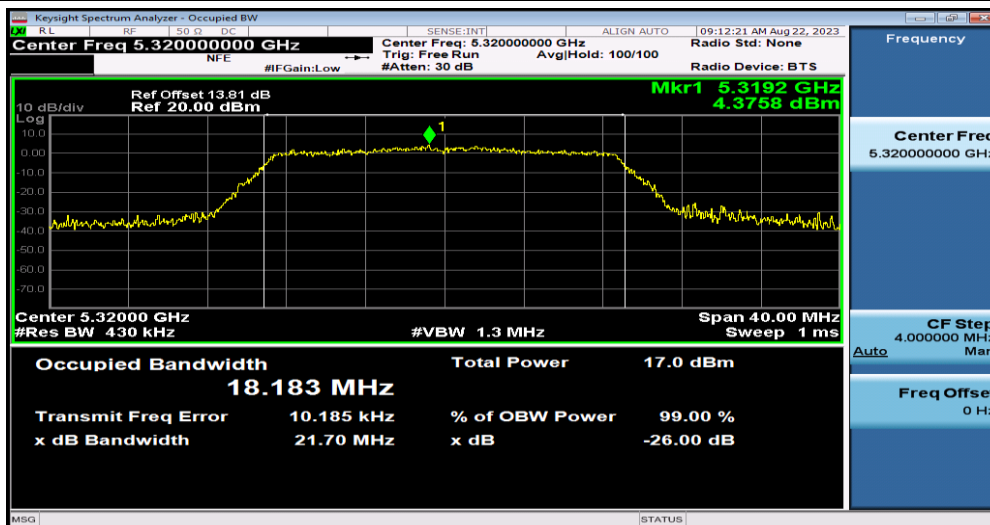
11AC20SISO-Ant1-5240



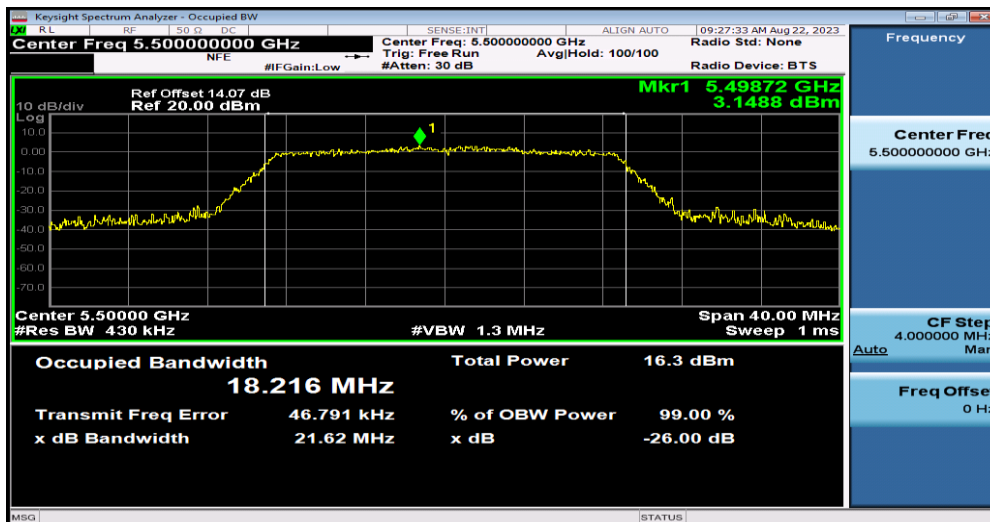
11AC20SISO-Ant1-5260



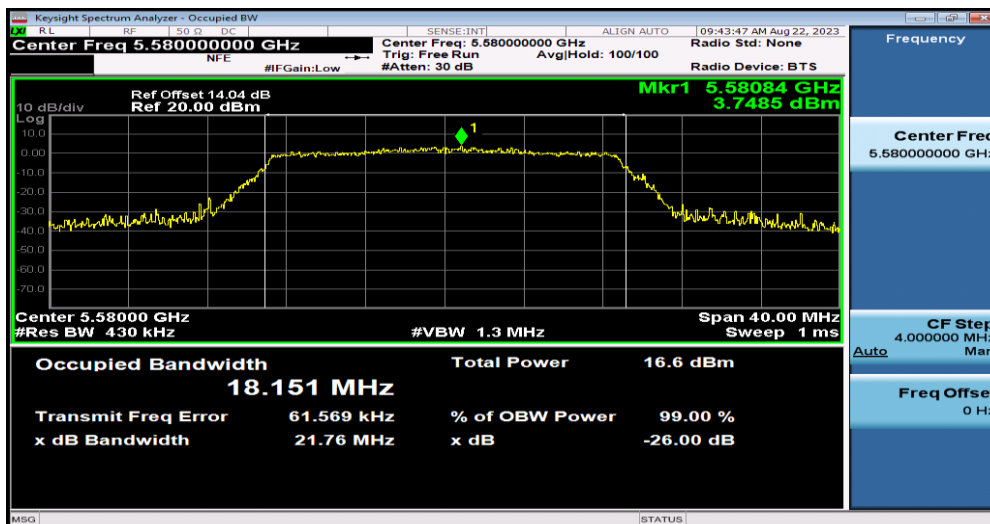
11AC20SISO-Ant1-5280



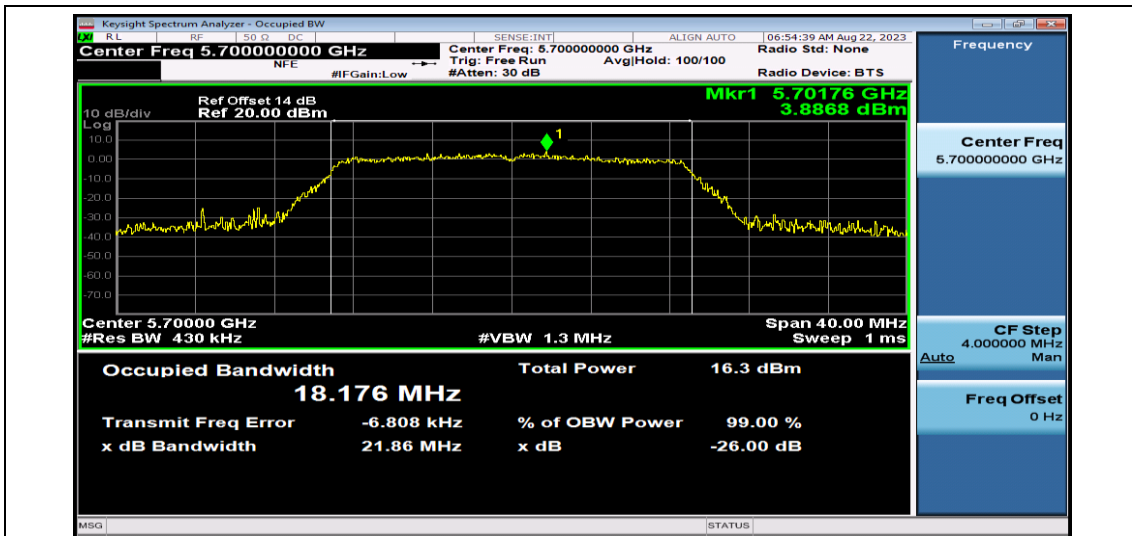
11AC20SISO-Ant1-5320



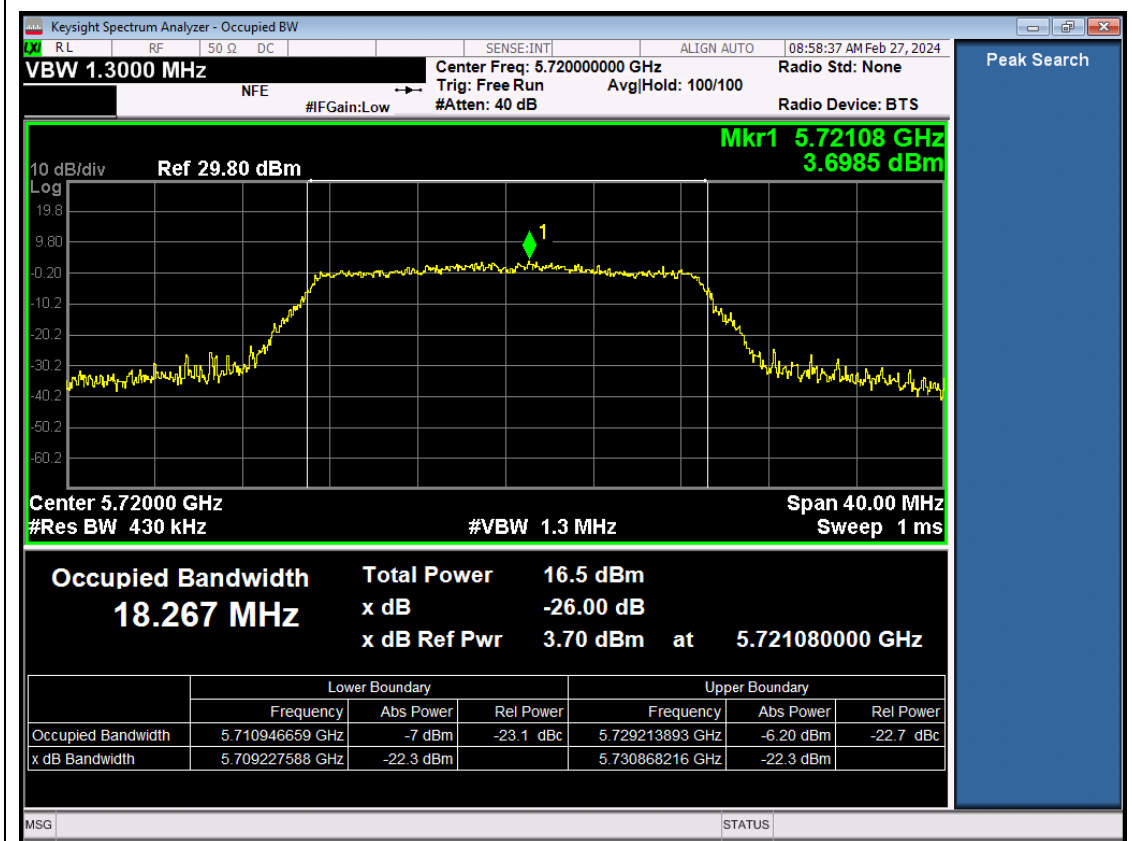
11AC20SISO-Ant1-5500



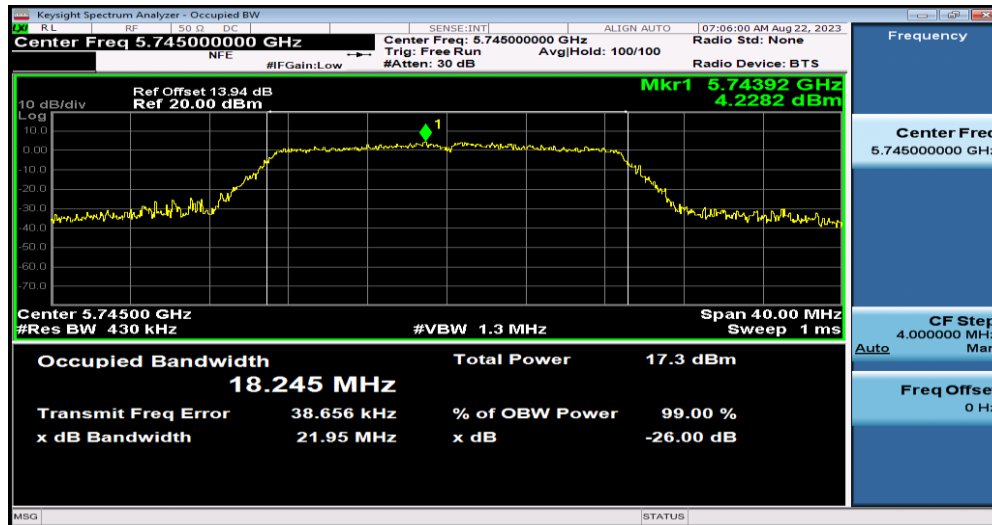
11AC20SISO-Ant1-5580



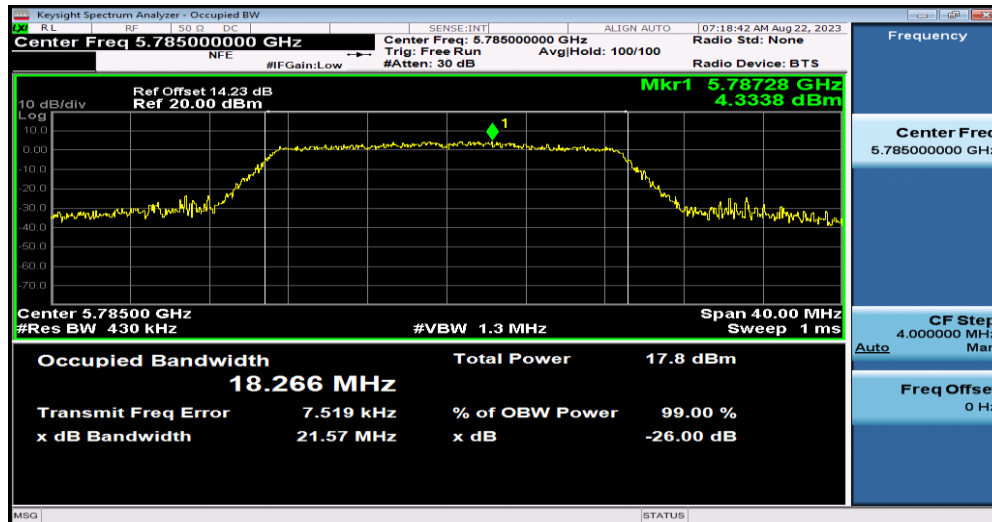
11AC20SISO-Ant1-5700



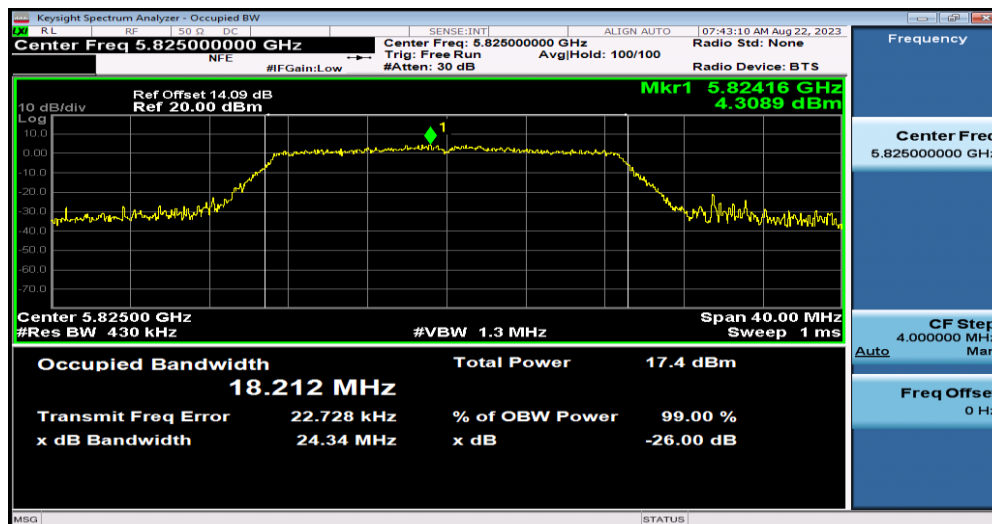
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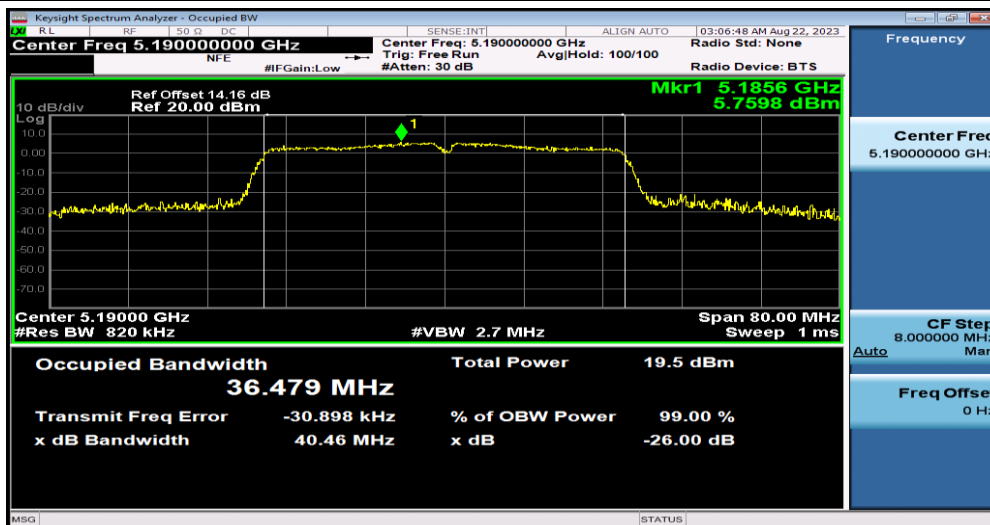
11AC20SISO-Ant1-5745



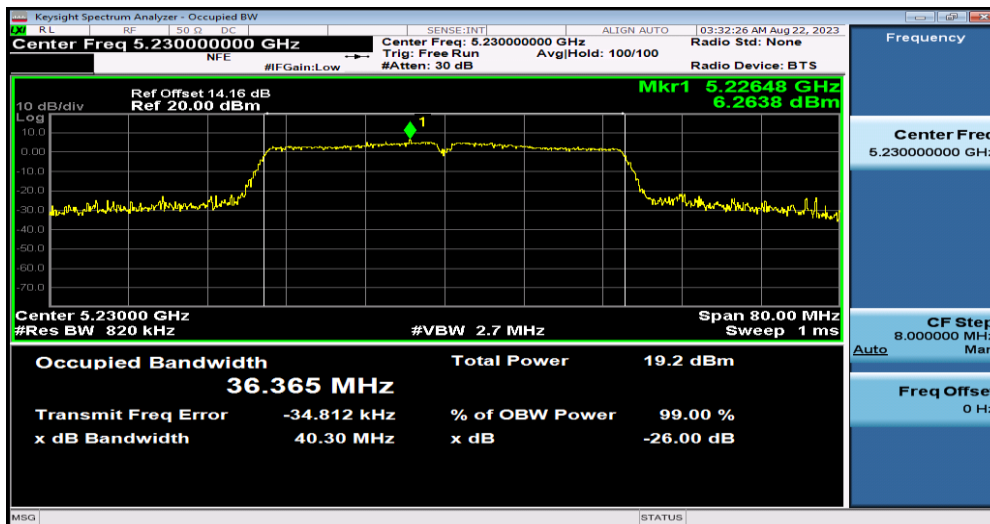
11AC20SISO-Ant1-5785



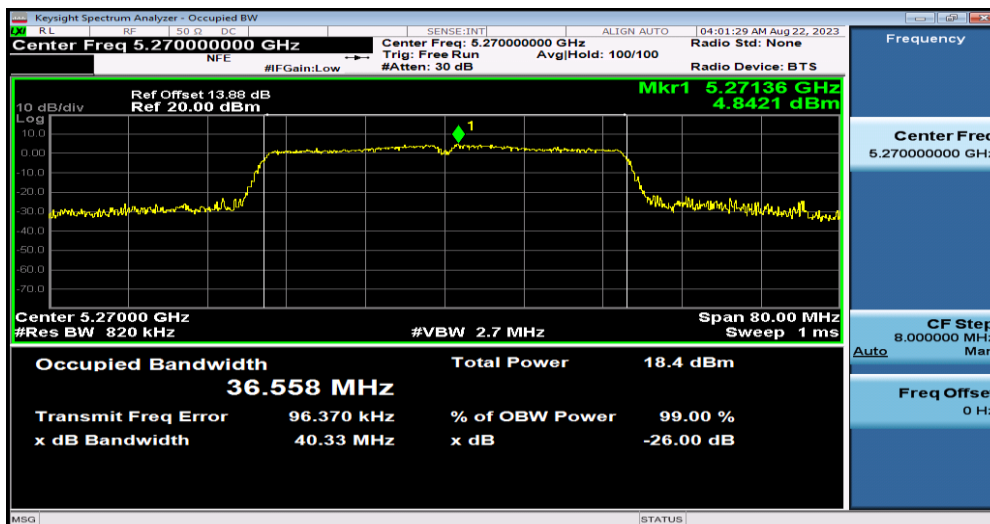
11AC20SISO-Ant1-5825



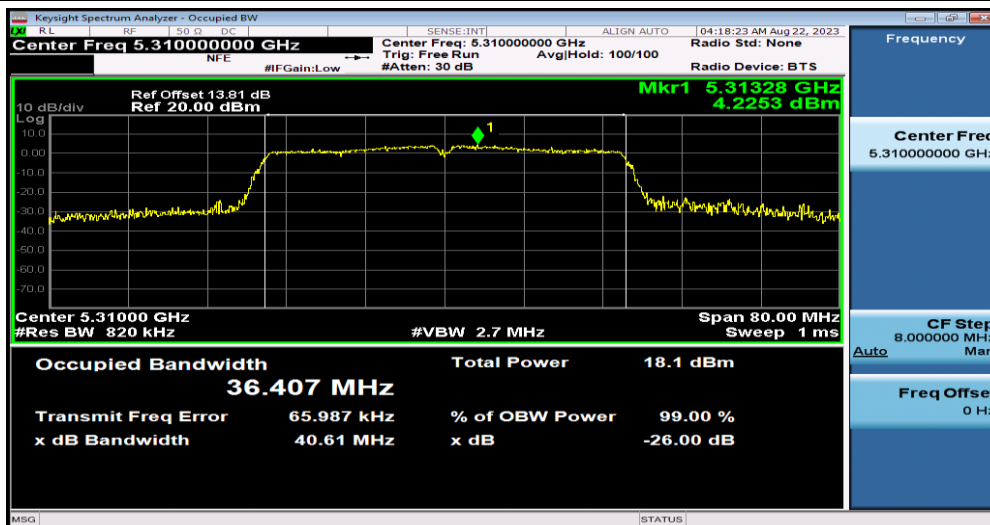
11AC40SISO-Ant1-5190



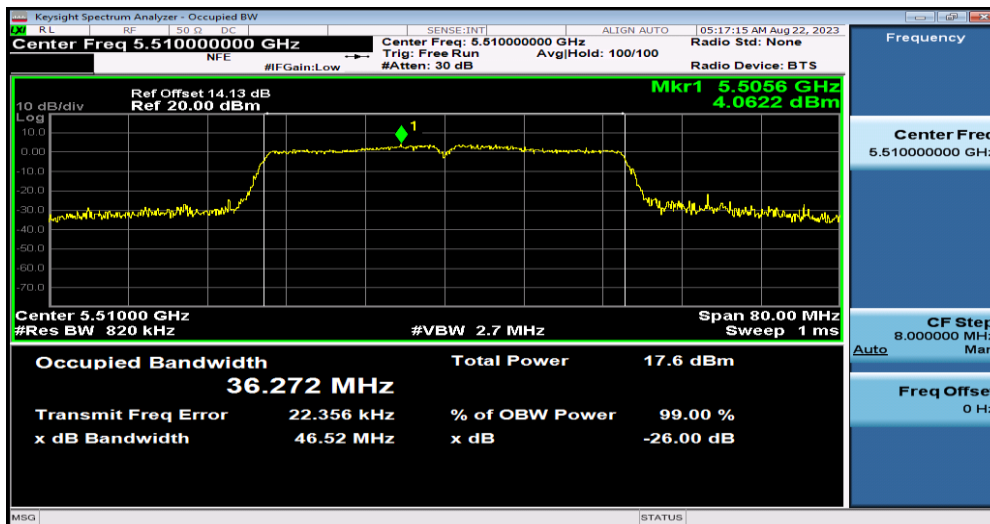
11AC40SISO-Ant1-5230



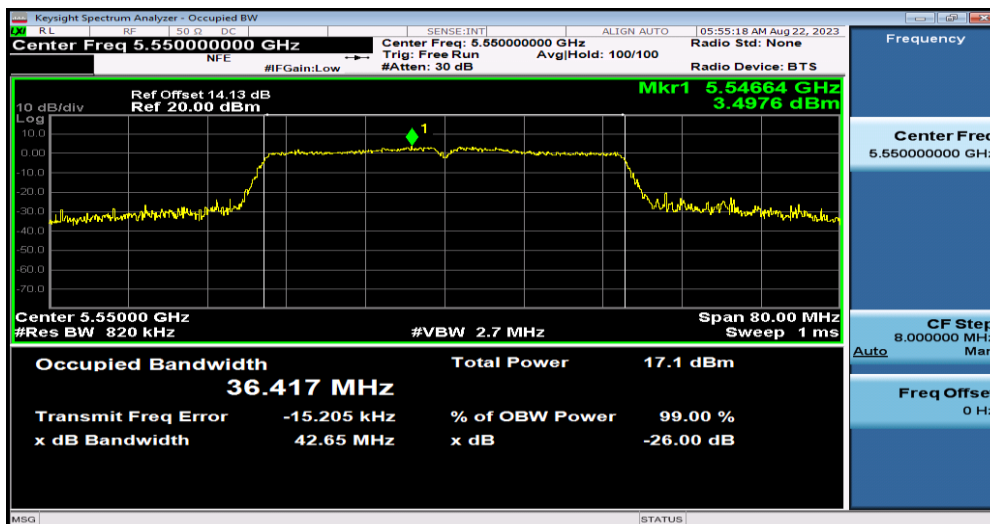
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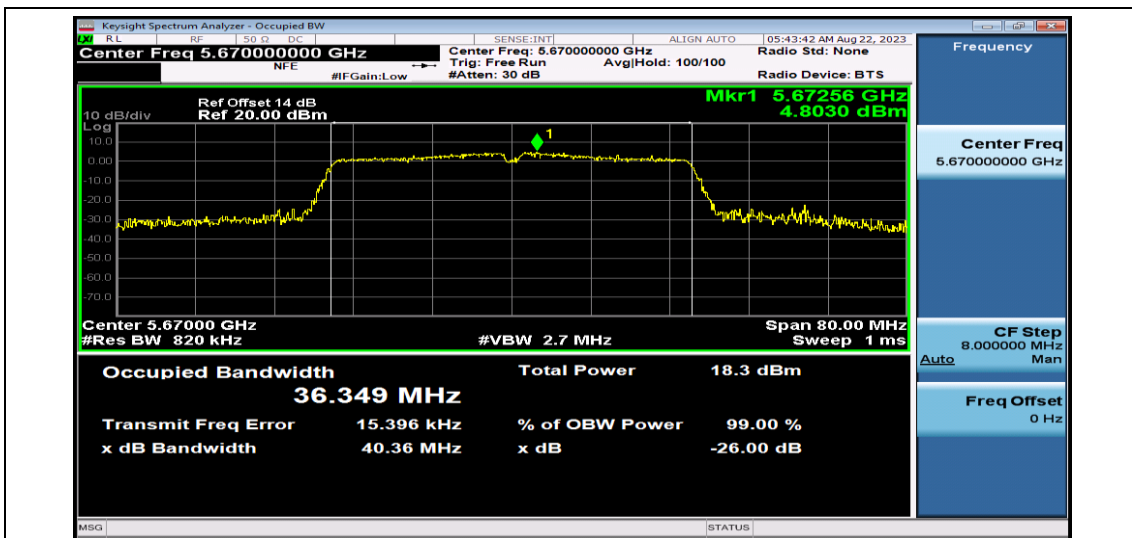
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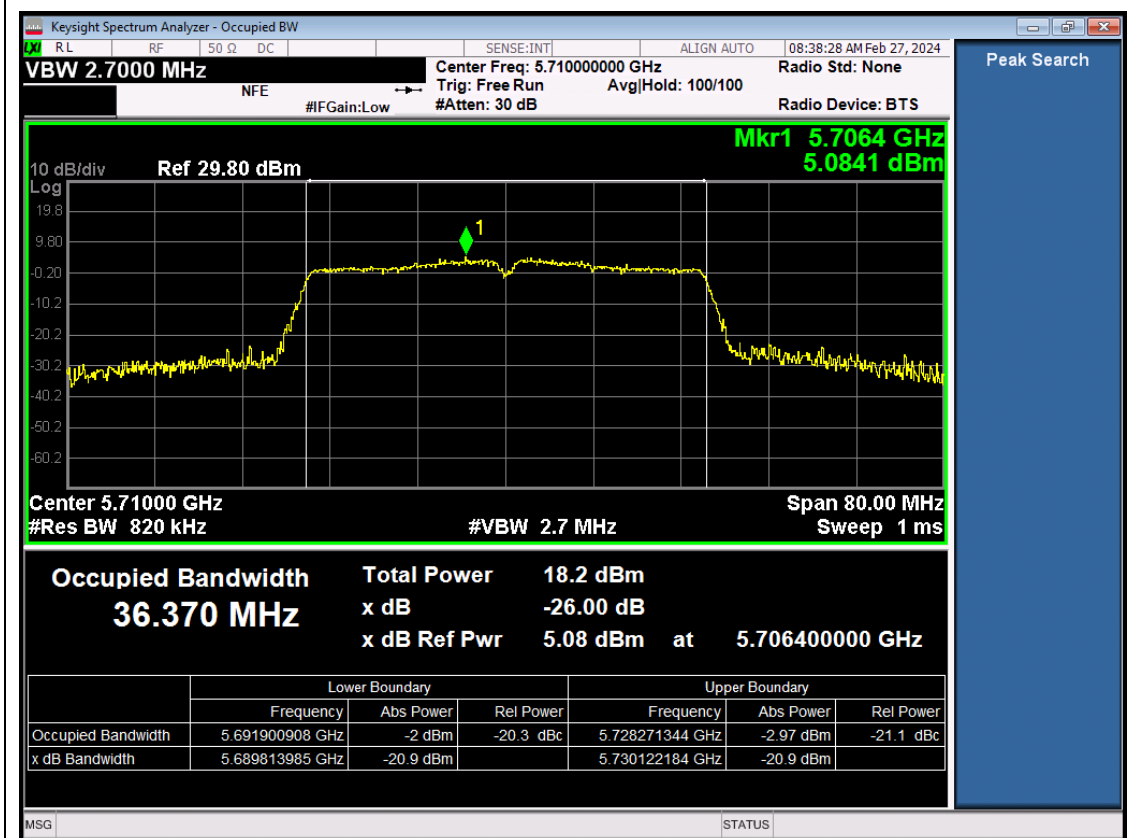
11AC40SISO-Ant1-5510



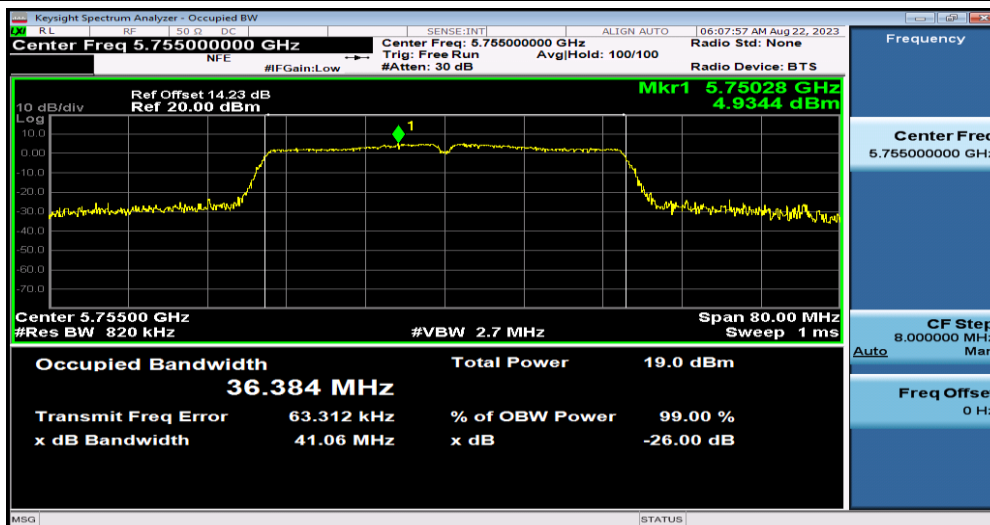
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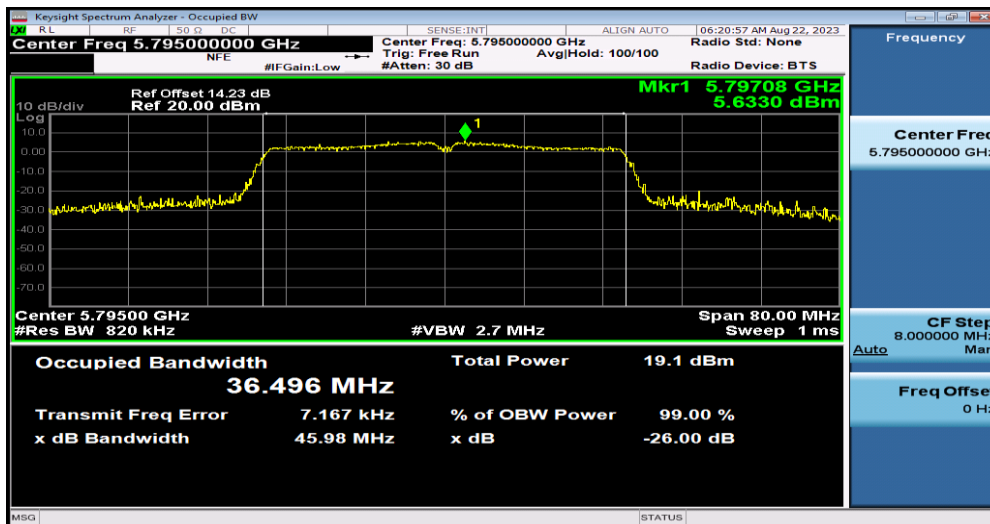
11AC40SISO-Ant1-5670



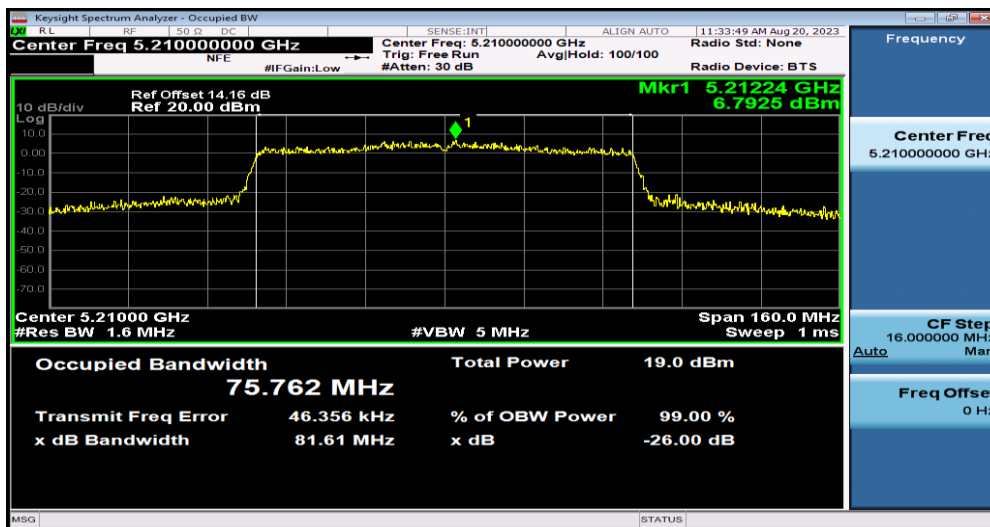
11AC40SISO-Ant1-5710



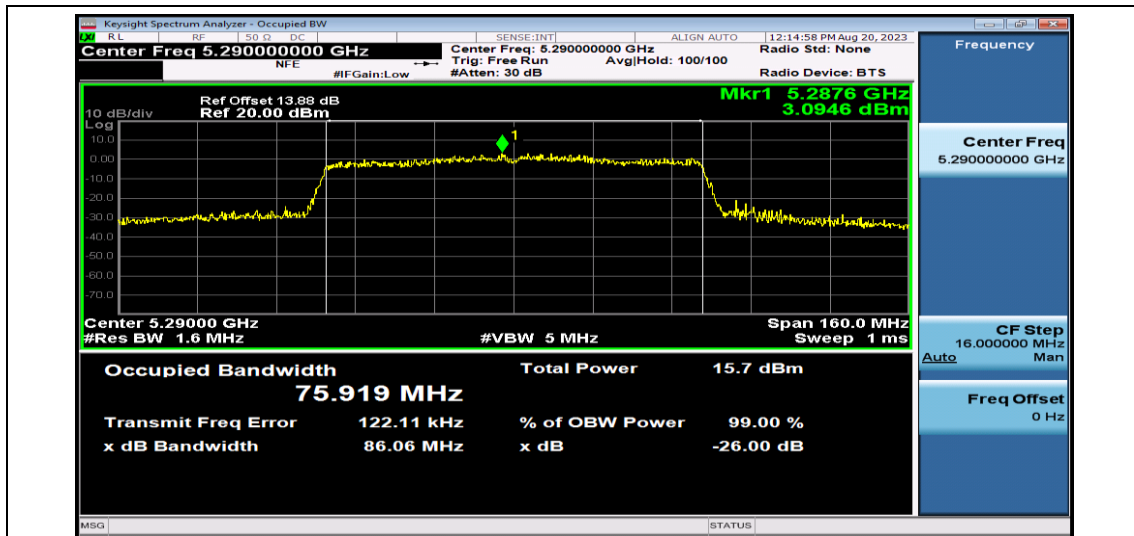
11AC40SISO-Ant1-5755



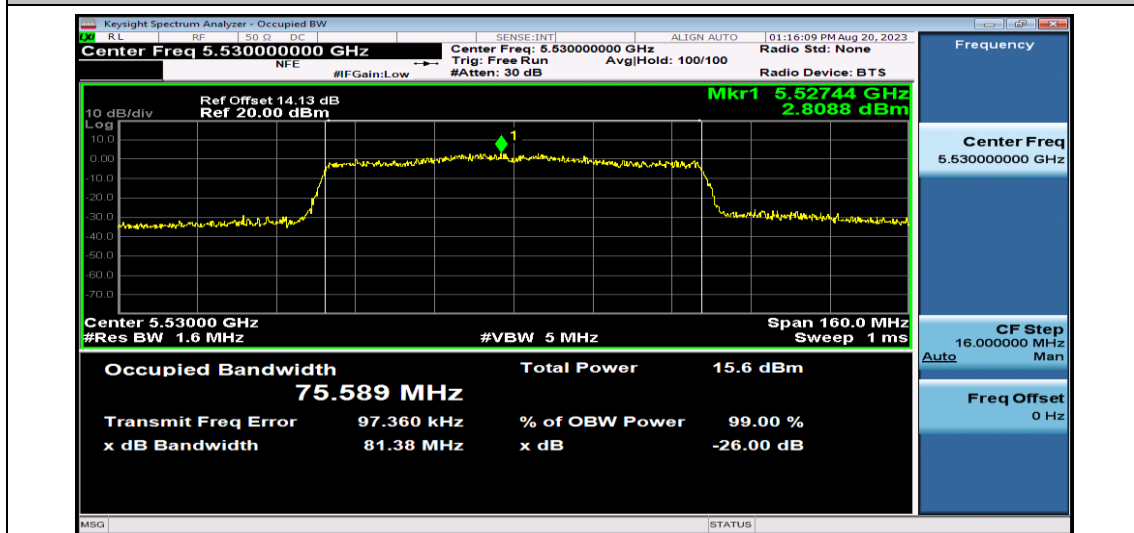
11AC40SISO-Ant1-5795



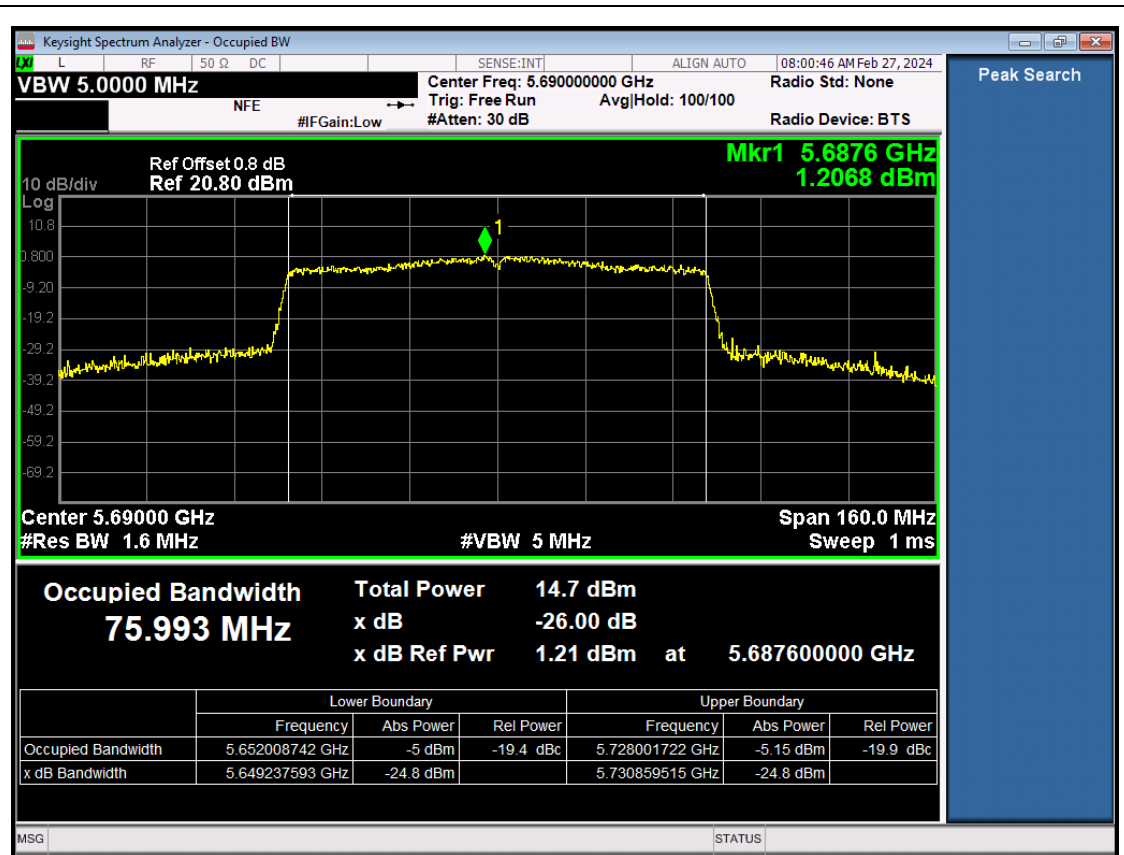
11AC80SISO-Ant1-5210



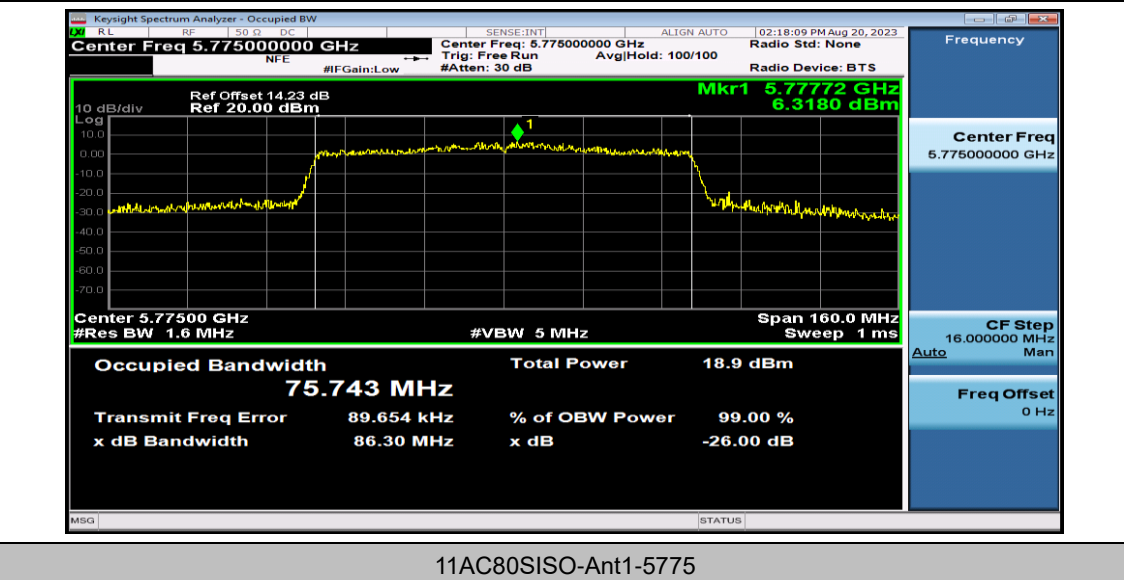
11AC80SISO-Ant1-5290



11AC80SISO-Ant1-5530



11AC80SISO-Ant1-5690



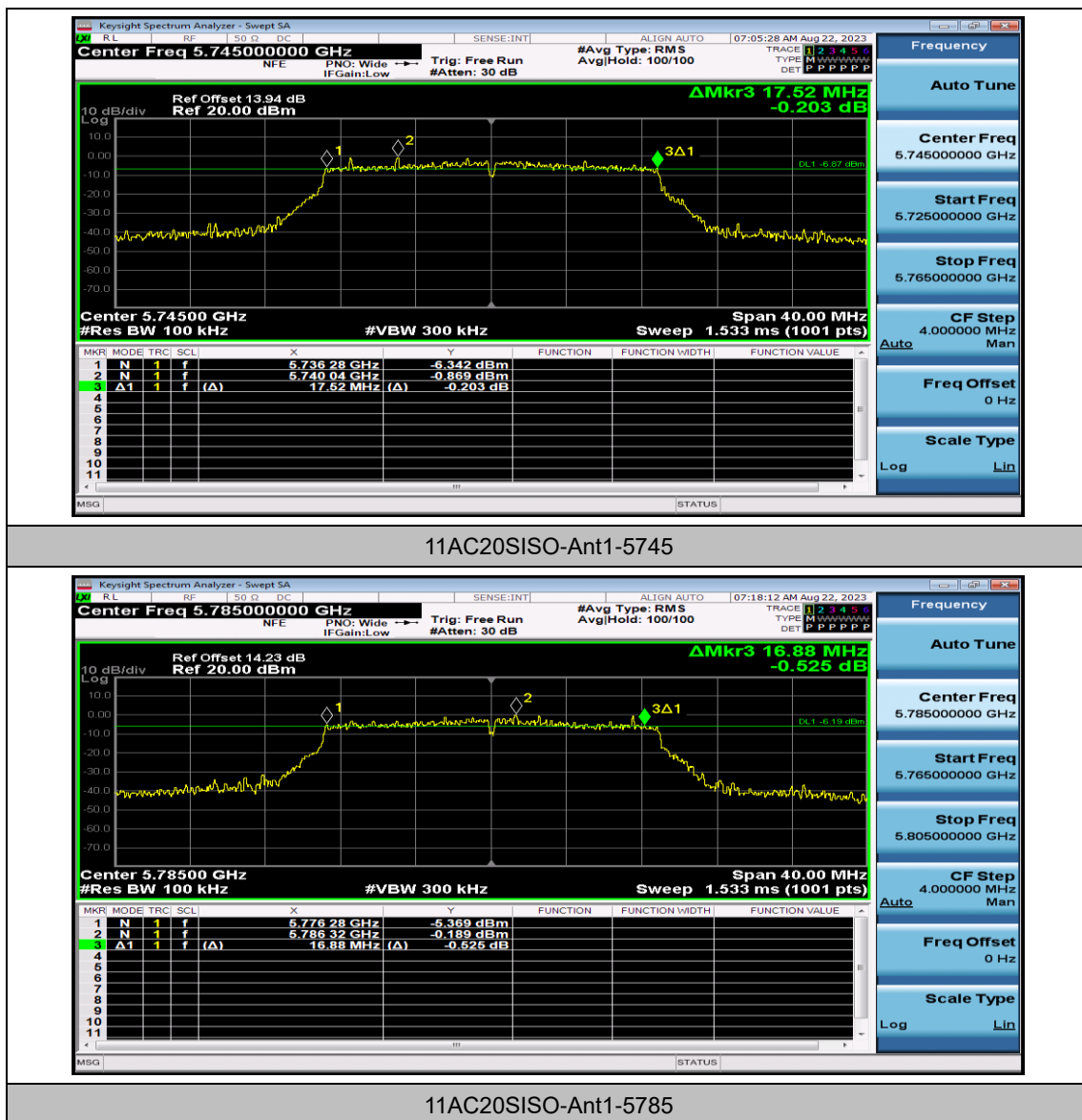
11AC80SISO-Ant1-5775

## Appendix A3: Min emission bandwidth

### Test Result B4

| TestMode   | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|---------------|----------|----------|------------|---------|
| 11AC20SISO | Ant1    | 5745           | 17.520        | 5736.280 | 5753.800 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5785           | 16.880        | 5776.280 | 5793.160 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5825           | 17.560        | 5816.280 | 5833.840 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755           | 36.000        | 5737.160 | 5773.160 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5795           | 35.200        | 5777.480 | 5812.680 | 0.5        | PASS    |
| 11AC80SISO | Ant1    | 5775           | 75.040        | 5737.560 | 5812.600 | 0.5        | PASS    |

## Test Graphs B4



11AC20SISO-Ant1-5745

Keysight Spectrum Analyzer - Sweep SA

Center Freq 5.785000000 GHz

Ref Offset 14.23 dB  
Ref 20.00 dBm

AMkr3 16.88 MHz  
-0.525 dB

10 dB/div

Center 5.78500 GHz  
#Res BW 100 kHz  
#VBW 300 kHz  
Sweep 1.533 ms (1001 pts)

| MKR | MODE | TRC | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1   | N    | 1   | f   | 5.778 28 GHz  | -5.369 dBm |          |                |                |
| 2   | N    | 1   | f   | 5.786 32 GHz  | -0.189 dBm |          |                |                |
| 3   | Δ1   | 1   | f   | 16.88 MHz (Δ) | -0.525 dB  |          |                |                |

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  
Man

Freq Offset  
0 Hz

Scale Type  
Log Lin

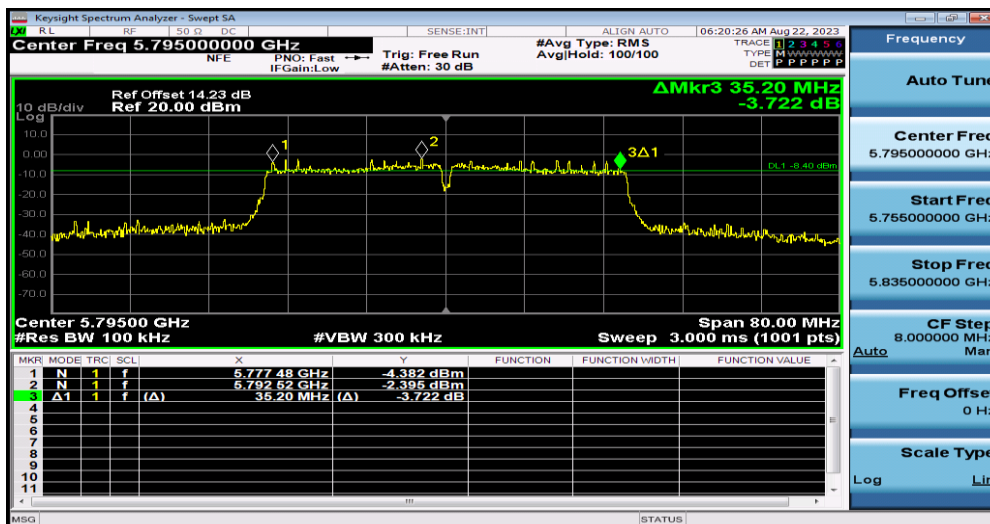
11AC20SISO-Ant1-5785



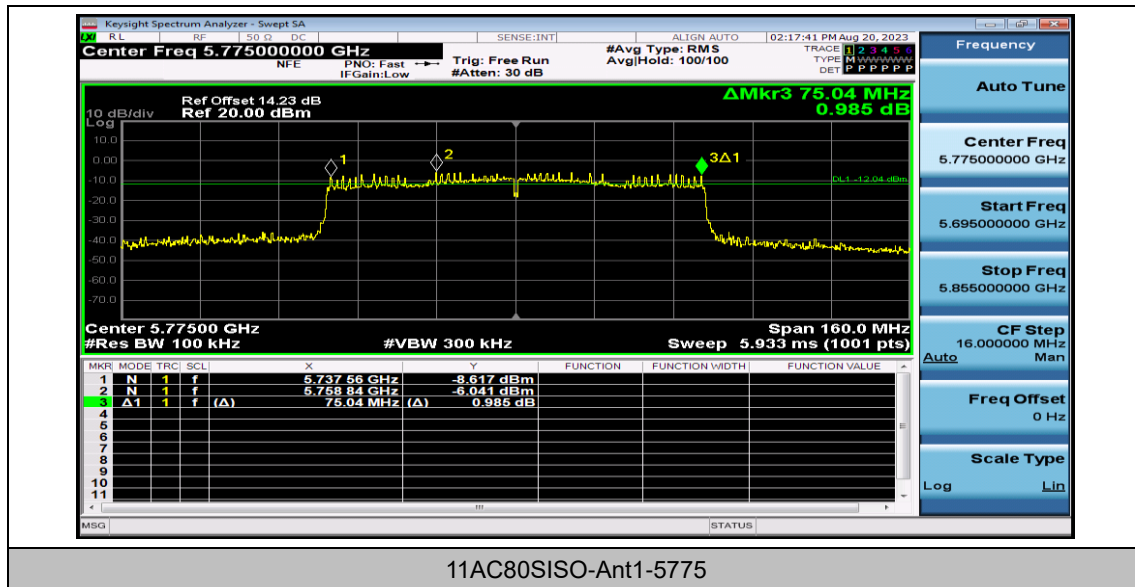
11AC20SISO-Ant1-5825



11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795



## TEST REPORT

### Appendix B: Duty Cycle

#### Test Result

| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11AC20SISO | Ant1    | 5180           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5200           | 1.94                       | 1.96                     | 98.98          |
| 11AC20SISO | Ant1    | 5240           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5260           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5280           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5320           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5500           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5580           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5700           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5720           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5745           | 1.93                       | 1.95                     | 98.97          |
| 11AC20SISO | Ant1    | 5785           | 1.93                       | 1.96                     | 98.47          |
| 11AC20SISO | Ant1    | 5825           | 1.93                       | 1.95                     | 98.97          |
| 11AC40SISO | Ant1    | 5190           | 0.95                       | 0.97                     | 97.94          |
| 11AC40SISO | Ant1    | 5230           | 0.95                       | 0.97                     | 97.94          |
| 11AC40SISO | Ant1    | 5270           | 0.95                       | 0.97                     | 97.94          |
| 11AC40SISO | Ant1    | 5310           | 0.95                       | 0.97                     | 97.94          |
| 11AC40SISO | Ant1    | 5510           | 0.95                       | 0.97                     | 97.94          |
| 11AC40SISO | Ant1    | 5550           | 0.95                       | 0.97                     | 97.94          |
| 11AC40SISO | Ant1    | 5670           | 0.95                       | 0.97                     | 97.94          |
| 11AC40SISO | Ant1    | 5710           | 0.96                       | 0.98                     | 97.96          |
| 11AC40SISO | Ant1    | 5755           | 0.95                       | 0.97                     | 97.94          |
| 11AC40SISO | Ant1    | 5795           | 0.96                       | 0.98                     | 97.96          |
| 11AC80SISO | Ant1    | 5210           | 0.46                       | 0.48                     | 95.83          |
| 11AC80SISO | Ant1    | 5290           | 0.46                       | 0.48                     | 95.83          |
| 11AC80SISO | Ant1    | 5530           | 0.46                       | 0.48                     | 95.83          |
| 11AC80SISO | Ant1    | 5690           | 0.46                       | 0.48                     | 95.83          |
| 11AC80SISO | Ant1    | 5775           | 0.46                       | 0.48                     | 95.83          |

## Test Graphs

