

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20241101002-1-04</u>          |                                          |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>49</u> %RH |                                          |
| <b>According Standard:</b> ■Part15E                   |                                          |
| <b>Test Date:</b> <u>2024.12.13</u>                   | <b>Test Engineer:</b> <u>Evan ouyang</u> |

## Appendix G.1: Min emission bandwidth

### Test Result B4

| TestMode   | Antenna | Freq(MHz) | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|-----------|---------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5745      | 16.360        | 5736.800 | 5753.160 | 0.5        | PASS    |
|            |         | 5785      | 16.360        | 5776.800 | 5793.160 | 0.5        | PASS    |
|            |         | 5825      | 16.320        | 5816.800 | 5833.120 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745      | 17.600        | 5736.160 | 5753.760 | 0.5        | PASS    |
|            |         | 5785      | 17.600        | 5776.160 | 5793.760 | 0.5        | PASS    |
|            |         | 5825      | 17.600        | 5816.160 | 5833.760 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755      | 36.160        | 5737.000 | 5773.160 | 0.5        | PASS    |
|            |         | 5795      | 36.320        | 5776.840 | 5813.160 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745      | 17.640        | 5736.160 | 5753.800 | 0.5        | PASS    |
|            |         | 5785      | 17.600        | 5776.160 | 5793.760 | 0.5        | PASS    |
|            |         | 5825      | 17.600        | 5816.160 | 5833.760 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755      | 36.320        | 5736.840 | 5773.160 | 0.5        | PASS    |
|            |         | 5795      | 36.320        | 5776.840 | 5813.160 | 0.5        | PASS    |
| 11AC80SISO | Ant1    | 5775      | 75.680        | 5737.400 | 5813.080 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 5745      | 19.000        | 5735.480 | 5754.480 | 0.5        | PASS    |
|            |         | 5785      | 19.080        | 5775.440 | 5794.520 | 0.5        | PASS    |
|            |         | 5825      | 18.960        | 5815.480 | 5834.440 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 5755      | 38.080        | 5735.960 | 5774.040 | 0.5        | PASS    |
|            |         | 5795      | 38.000        | 5775.960 | 5813.960 | 0.5        | PASS    |
| 11AX80SISO | Ant1    | 5775      | 76.480        | 5737.400 | 5813.880 | 0.5        | PASS    |

## Test Graphs B4

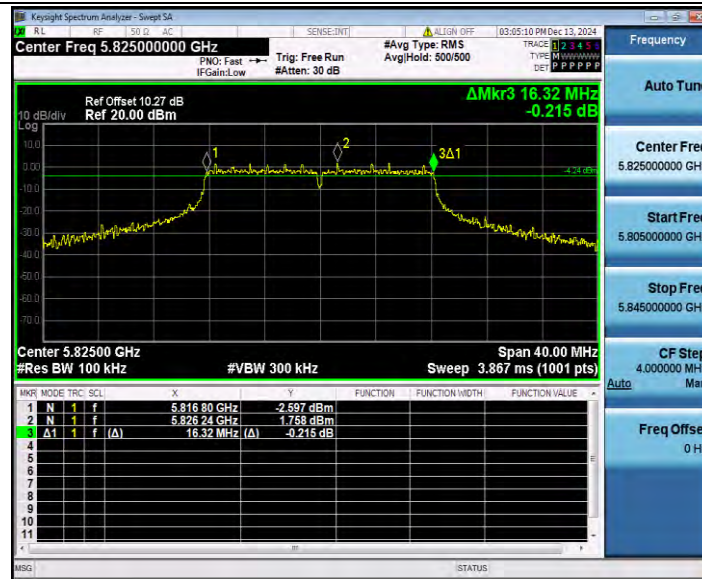
11A\_Ant1\_5745



11A\_Ant1\_5785



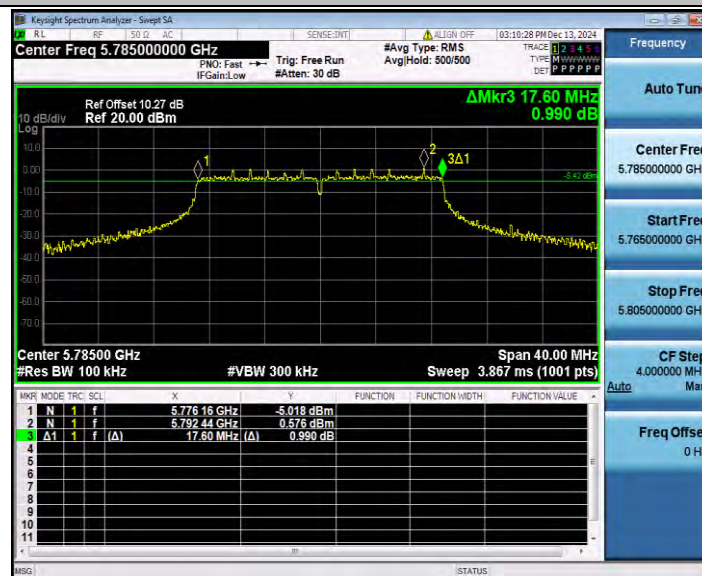
11A\_Ant1\_5825



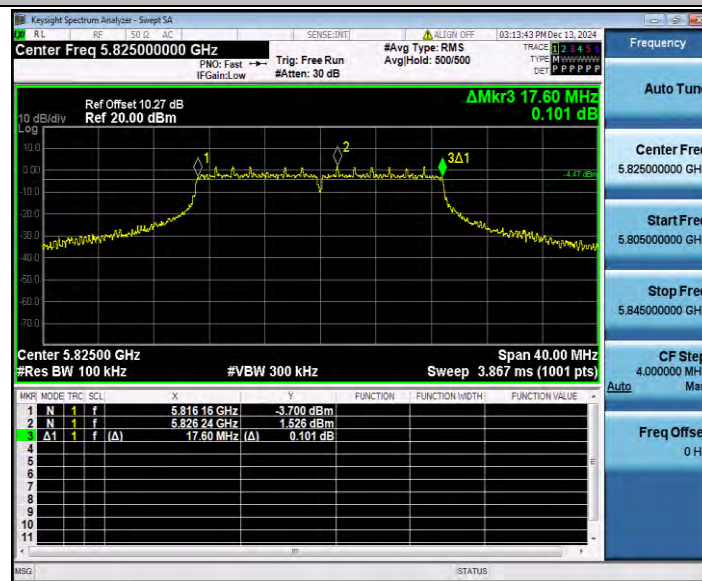
11N20SISO\_Ant1\_5745



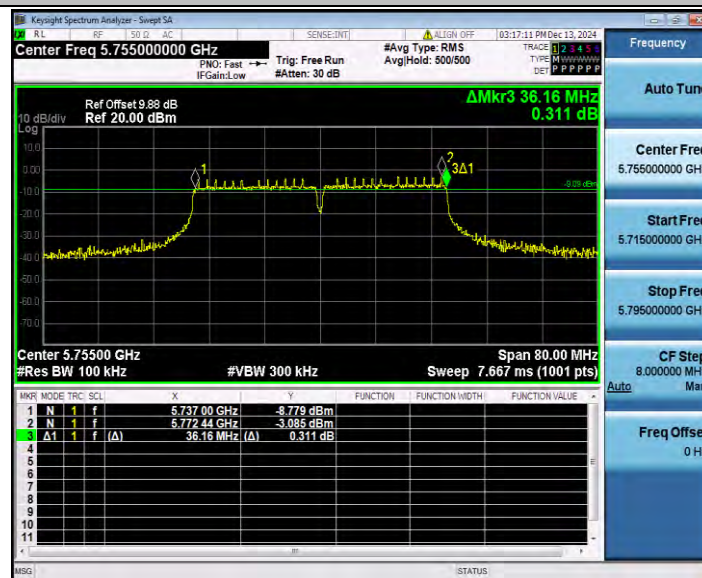
11N20SISO\_Ant1\_5785



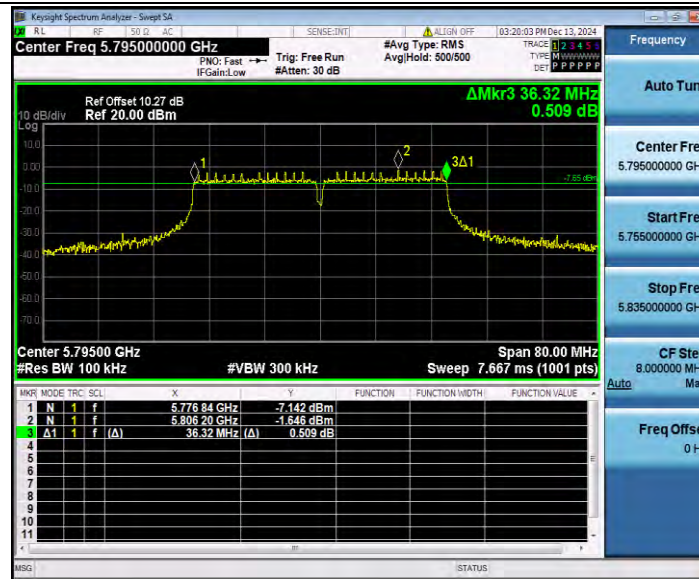
## 11N20SISO\_Ant1\_5825



## 11N40SISO\_Ant1\_5755



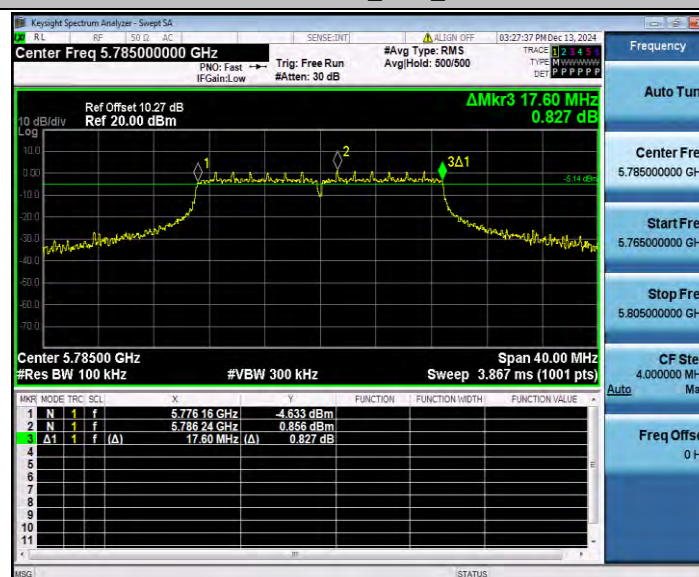
## 11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



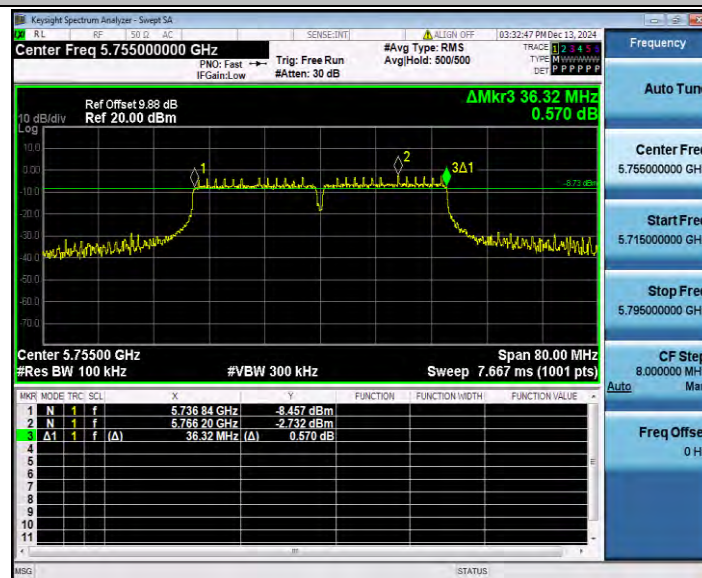
11AC20SISO\_Ant1\_5785



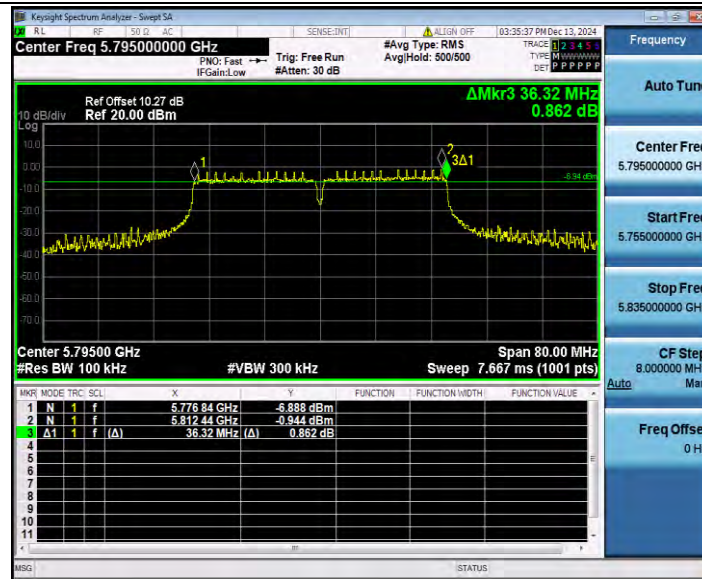
## 11AC20SISO\_Ant1\_5825



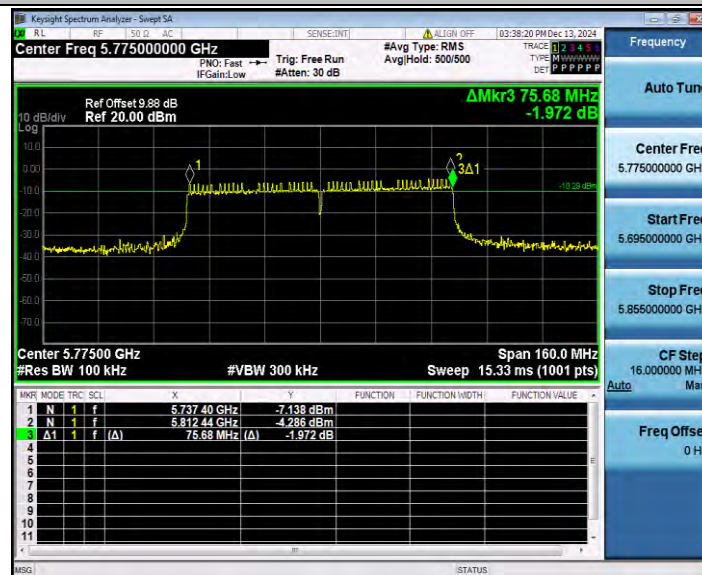
## 11AC40SISO\_Ant1\_5755



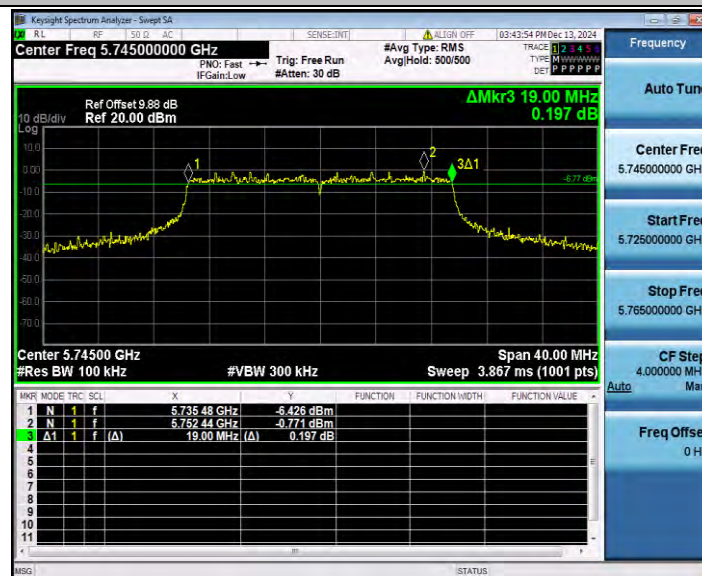
## 11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



11AX20SISO\_Ant1\_5745



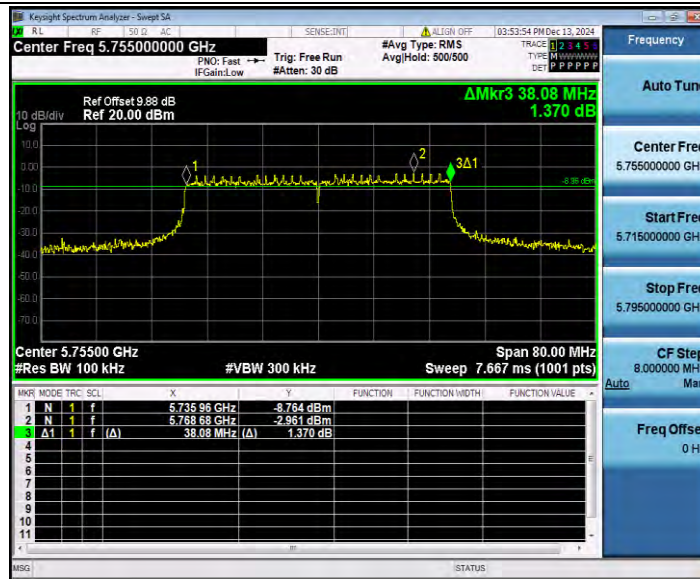
## 11AX20SISO\_Ant1\_5785



## 11AX20SISO\_Ant1\_5825



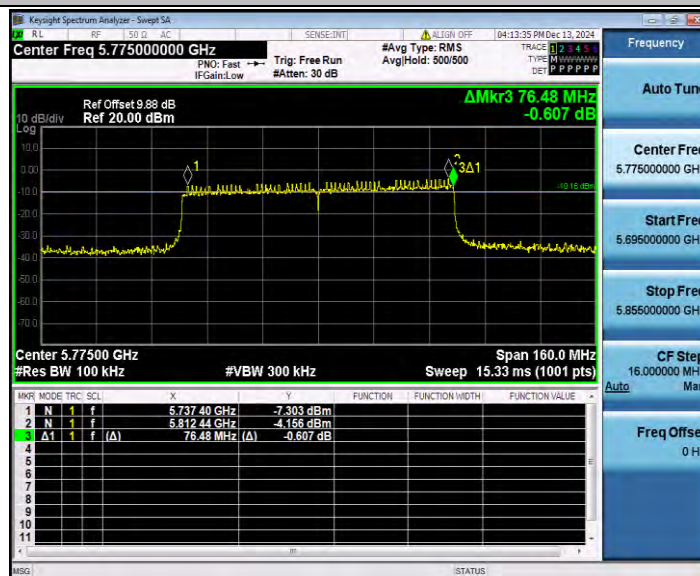
## 11AX40SISO\_Ant1\_5755



11AX40SISO\_Ant1\_5795



11AX80SISO\_Ant1\_5775



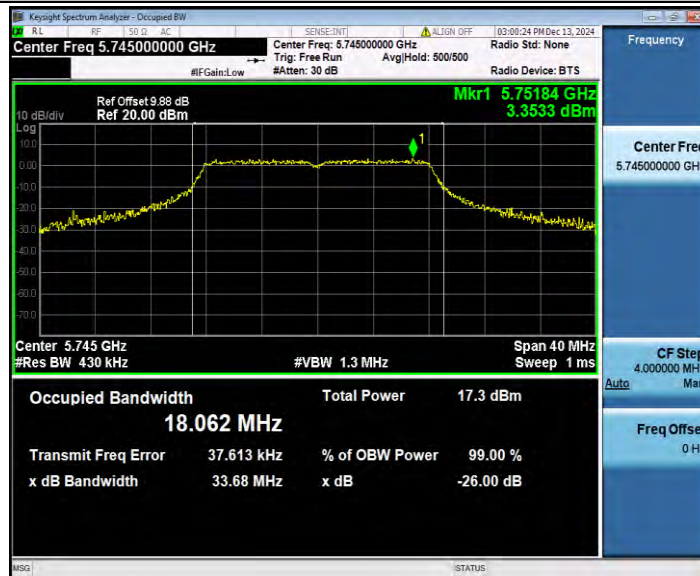
## Appendix G.2: Occupied channel bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5745      | 18.062    | 5736.0066 | 5754.0686 | ---        | ---     |
|            |         | 5785      | 18.195    | 5775.9127 | 5794.1077 | ---        | ---     |
|            |         | 5825      | 18.102    | 5815.8488 | 5833.9508 | ---        | ---     |
| 11N20SISO  | Ant1    | 5745      | 19.199    | 5735.4512 | 5754.6502 | ---        | ---     |
|            |         | 5785      | 19.154    | 5775.5025 | 5794.6565 | ---        | ---     |
|            |         | 5825      | 19.095    | 5815.3775 | 5834.4725 | ---        | ---     |
| 11N40SISO  | Ant1    | 5755      | 37.999    | 5736.2198 | 5774.2188 | ---        | ---     |
|            |         | 5795      | 37.889    | 5776.2747 | 5814.1637 | ---        | ---     |
| 11AC20SISO | Ant1    | 5745      | 19.125    | 5735.5114 | 5754.6364 | ---        | ---     |
|            |         | 5785      | 19.157    | 5775.4883 | 5794.6453 | ---        | ---     |
|            |         | 5825      | 19.081    | 5815.4062 | 5834.4872 | ---        | ---     |
| 11AC40SISO | Ant1    | 5755      | 38.121    | 5736.1606 | 5774.2816 | ---        | ---     |
|            |         | 5795      | 38.009    | 5776.1475 | 5814.1565 | ---        | ---     |
| 11AC80SISO | Ant1    | 5775      | 77.544    | 5736.7146 | 5814.2586 | ---        | ---     |
| 11AX20SISO | Ant1    | 5745      | 19.746    | 5735.2122 | 5754.9582 | ---        | ---     |
|            |         | 5785      | 19.698    | 5775.1731 | 5794.8711 | ---        | ---     |
|            |         | 5825      | 19.647    | 5815.1446 | 5834.7916 | ---        | ---     |
| 11AX40SISO | Ant1    | 5755      | 38.592    | 5735.8073 | 5774.3993 | ---        | ---     |
|            |         | 5795      | 38.791    | 5775.6643 | 5814.4553 | ---        | ---     |
| 11AX80SISO | Ant1    | 5775      | 78.654    | 5735.9988 | 5814.6528 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5745



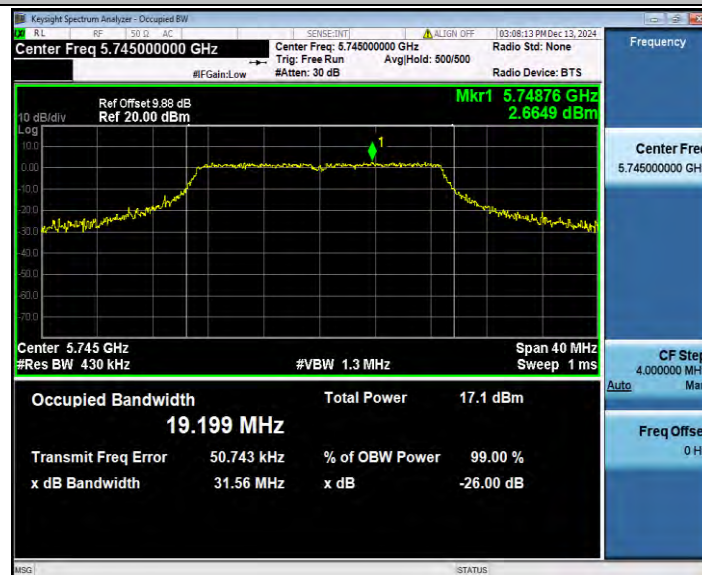
11A\_Ant1\_5785



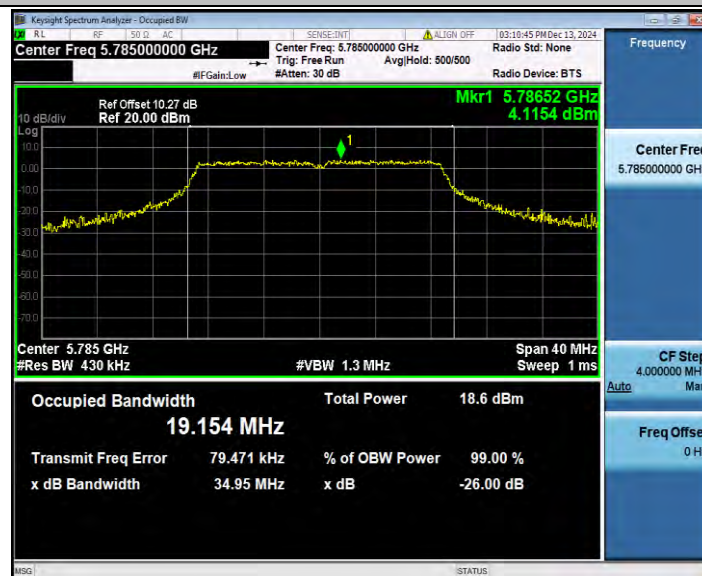
11A\_Ant1\_5825



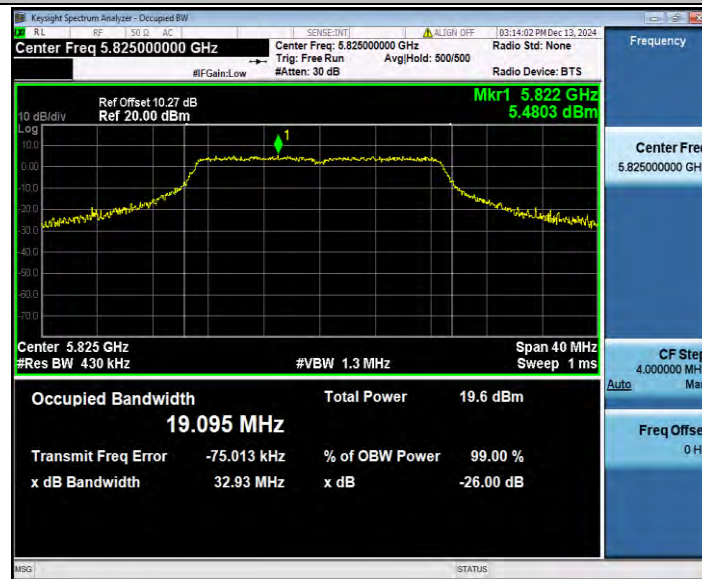
11N20SISO\_Ant1\_5745



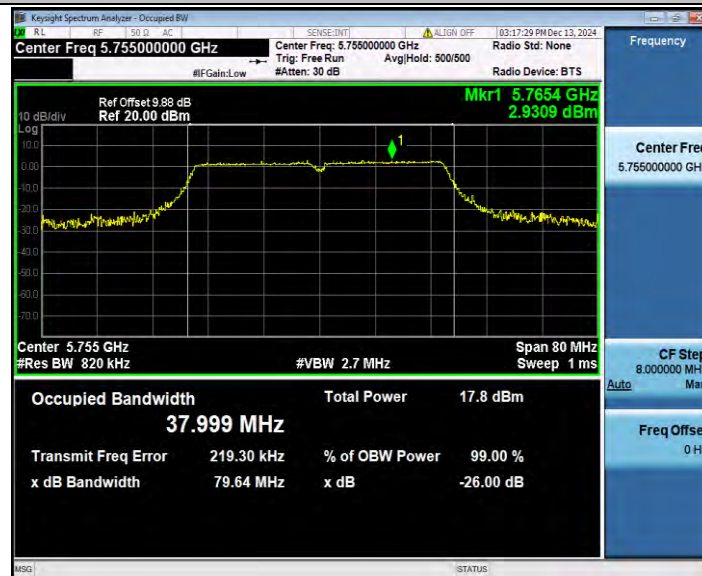
11N20SISO\_Ant1\_5785



## 11N20SISO\_Ant1\_5825



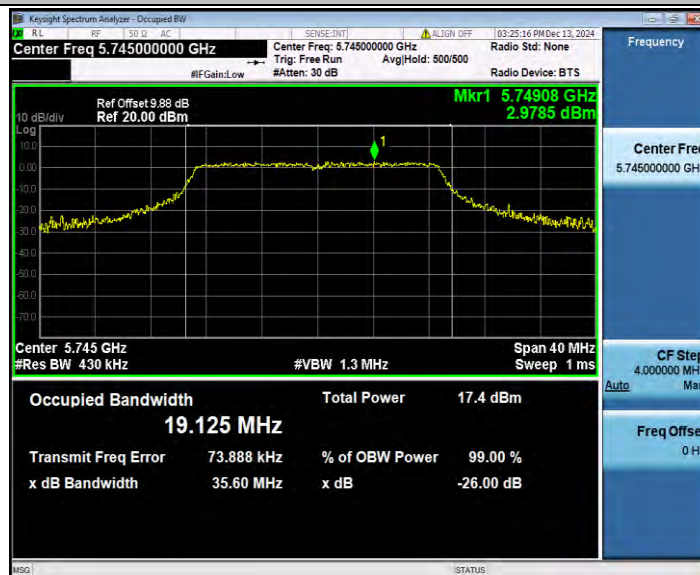
## 11N40SISO\_Ant1\_5755



## 11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



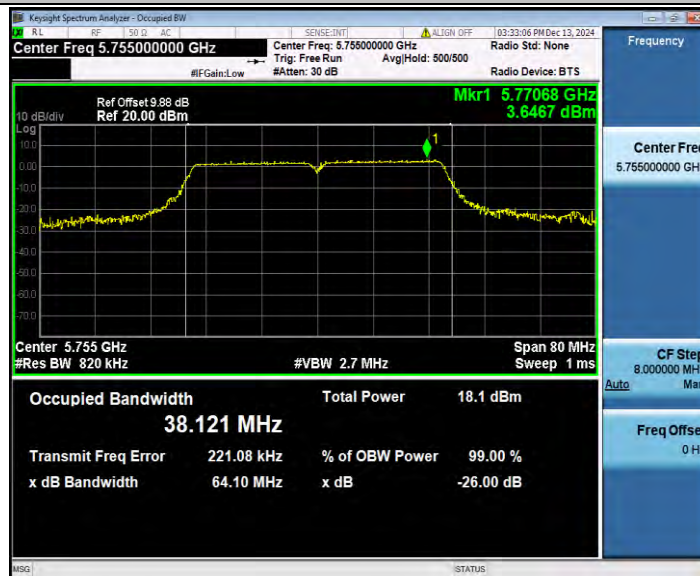
11AC20SISO\_Ant1\_5785



## 11AC20SISO\_Ant1\_5825



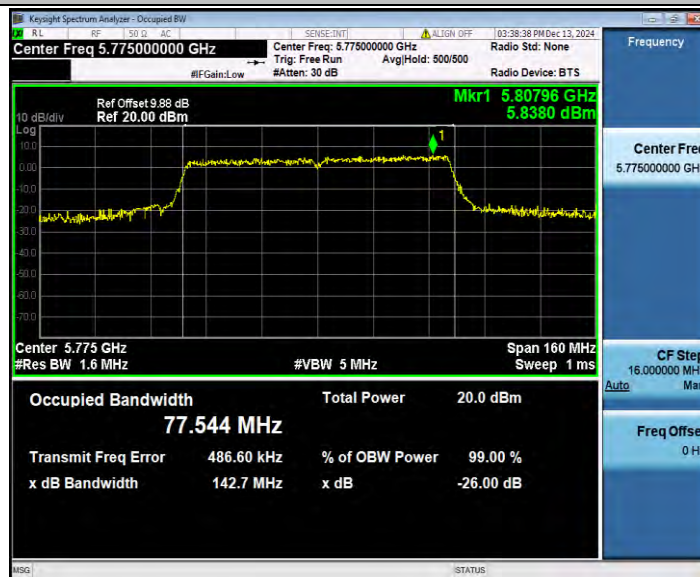
## 11AC40SISO\_Ant1\_5755



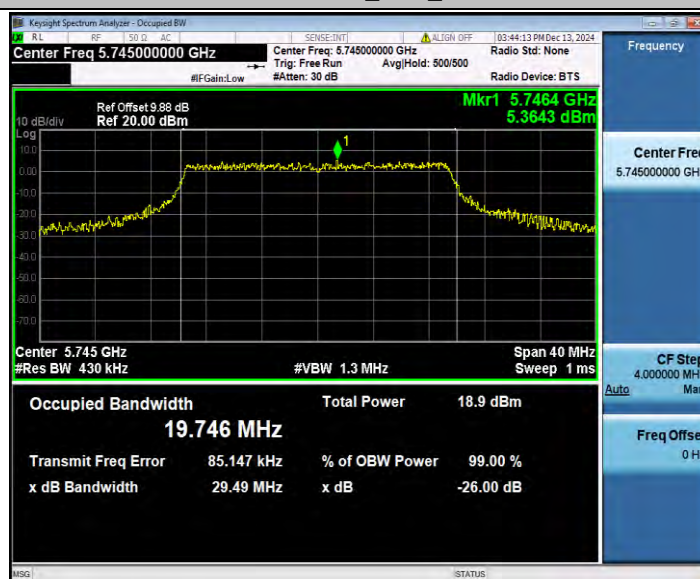
## 11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



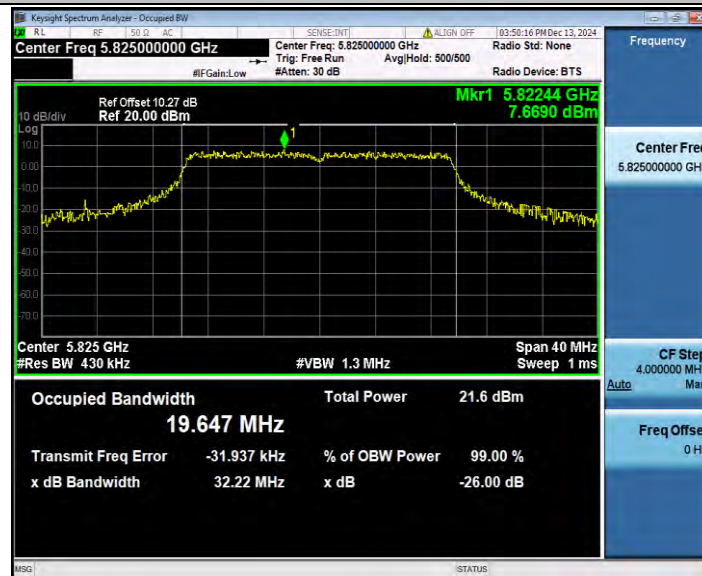
11AX20SISO\_Ant1\_5745



## 11AX20SISO\_Ant1\_5785



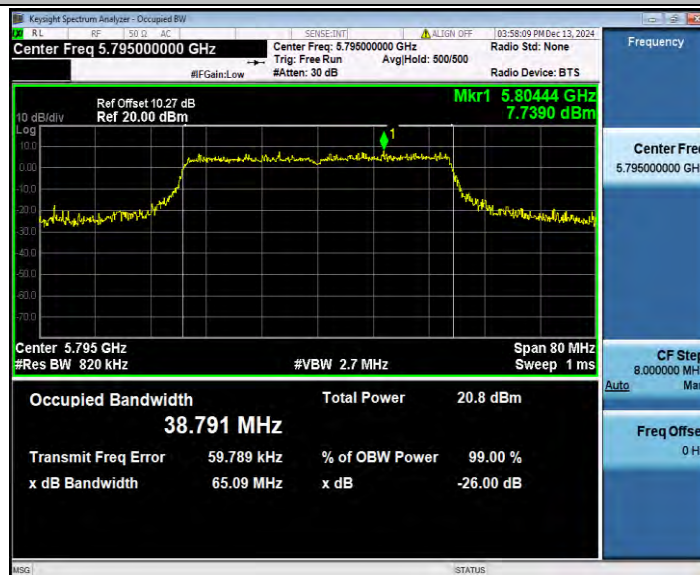
## 11AX20SISO\_Ant1\_5825



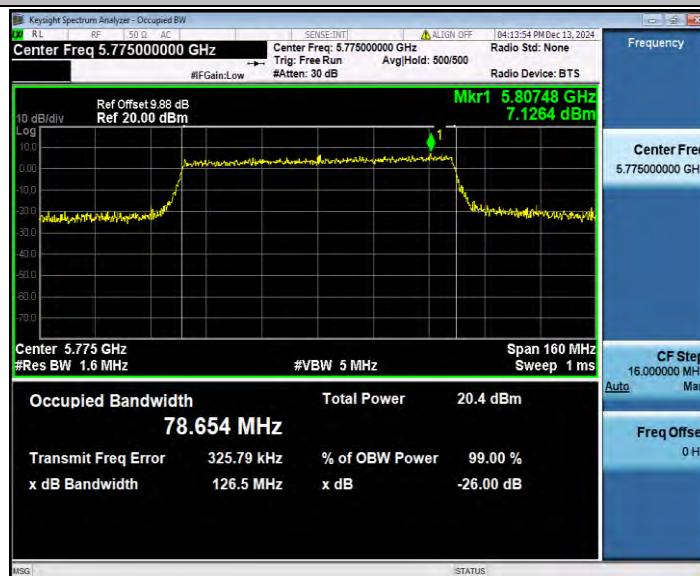
## 11AX40SISO\_Ant1\_5755



11AX40SISO\_Ant1\_5795



11AX80SISO\_Ant1\_5775

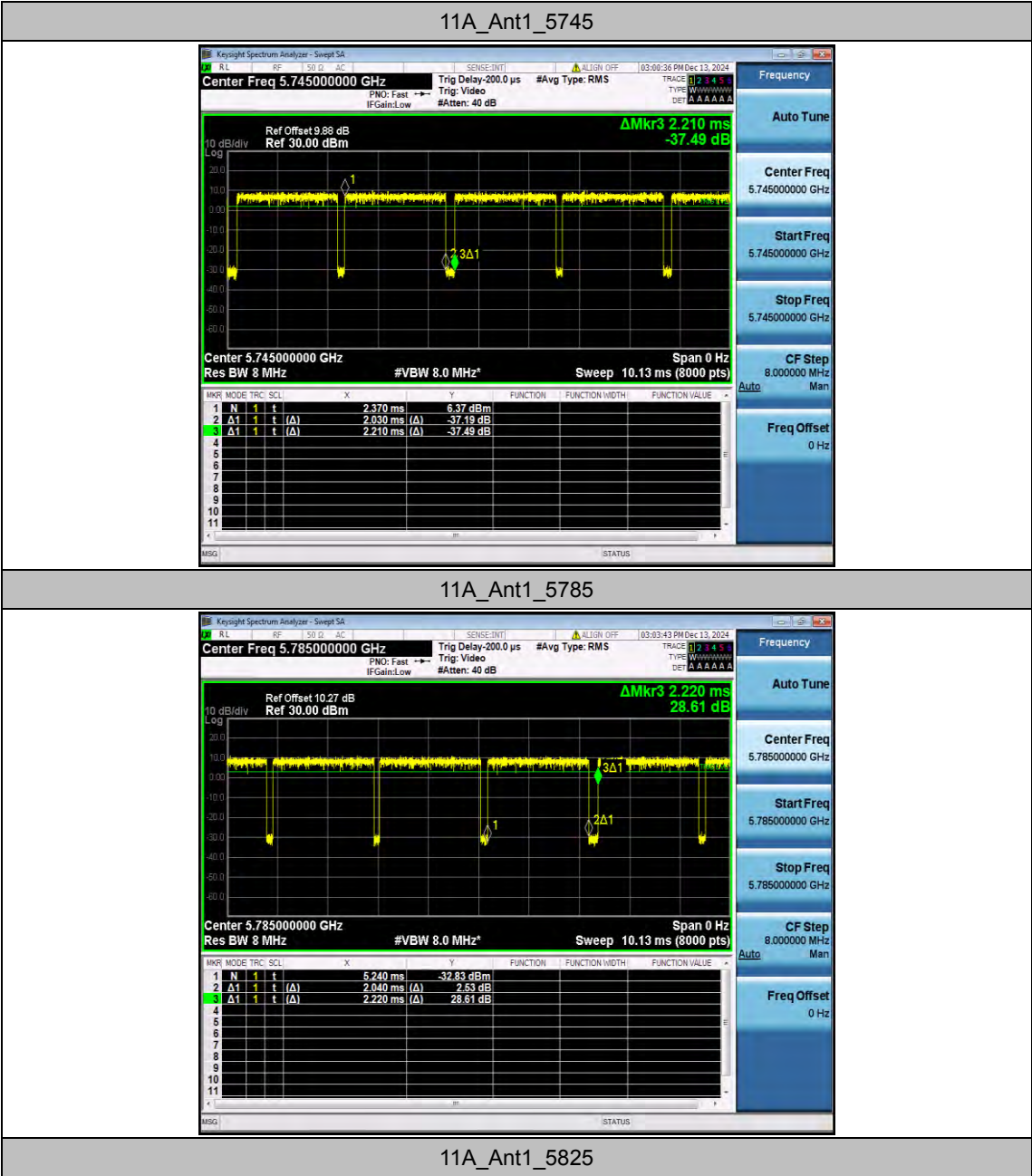


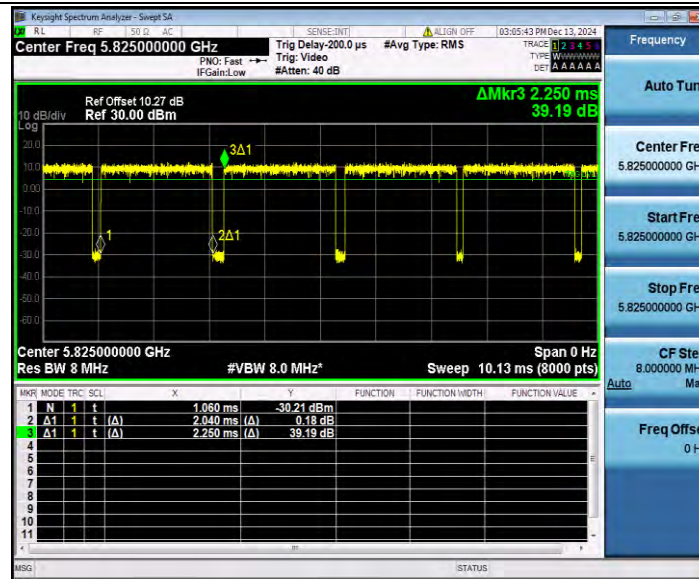
## Appendix G.3: Duty Cycle

### Test Result

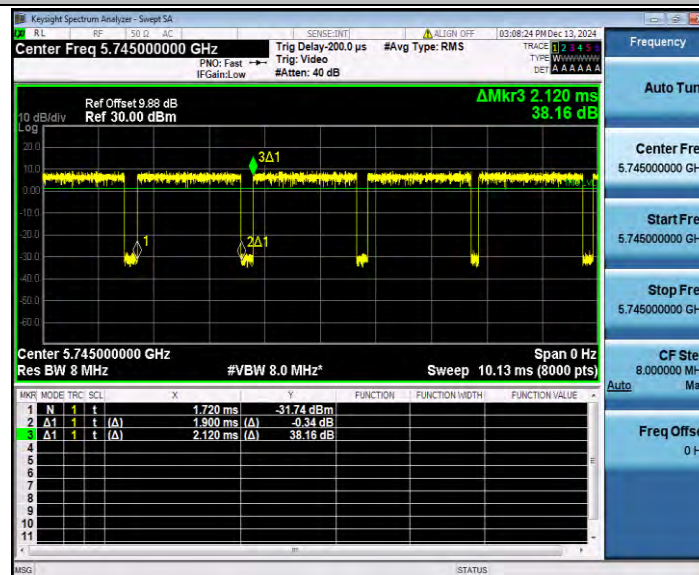
| TestMode   | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] | 1/T Factor[KHz] |
|------------|---------|-----------|----------------------------|--------------------------|----------------|-----------------------|-----------------|
| 11A        | Ant1    | 5745      | 2.03                       | 2.21                     | 91.86          | 0.37                  | 0.49            |
|            |         | 5785      | 2.04                       | 2.22                     | 91.89          | 0.37                  | 0.49            |
|            |         | 5825      | 2.04                       | 2.25                     | 90.67          | 0.43                  | 0.49            |
| 11N20SISO  | Ant1    | 5745      | 1.90                       | 2.12                     | 89.62          | 0.48                  | 0.53            |
|            |         | 5785      | 1.89                       | 2.12                     | 89.15          | 0.50                  | 0.53            |
|            |         | 5825      | 1.90                       | 2.11                     | 90.05          | 0.46                  | 0.53            |
| 11N40SISO  | Ant1    | 5755      | 0.93                       | 1.11                     | 83.78          | 0.77                  | 1.08            |
|            |         | 5795      | 0.93                       | 1.39                     | 66.91          | 1.75                  | 1.08            |
| 11AC20SISO | Ant1    | 5745      | 1.90                       | 2.08                     | 91.35          | 0.39                  | 0.53            |
|            |         | 5785      | 1.90                       | 2.14                     | 88.79          | 0.52                  | 0.53            |
|            |         | 5825      | 1.90                       | 2.14                     | 88.79          | 0.52                  | 0.53            |
| 11AC40SISO | Ant1    | 5755      | 0.93                       | 1.13                     | 82.30          | 0.85                  | 1.08            |
|            |         | 5795      | 0.93                       | 1.15                     | 80.87          | 0.92                  | 1.08            |
| 11AC80SISO | Ant1    | 5775      | 0.46                       | 0.70                     | 65.71          | 1.82                  | 2.17            |
| 11AX20SISO | Ant1    | 5745      | 1.46                       | 1.65                     | 88.48          | 0.53                  | 0.68            |
|            |         | 5785      | 1.46                       | 1.64                     | 89.02          | 0.51                  | 0.68            |
|            |         | 5825      | 1.47                       | 1.67                     | 88.02          | 0.55                  | 0.68            |
| 11AX40SISO | Ant1    | 5755      | 0.77                       | 0.98                     | 78.57          | 1.05                  | 1.30            |
|            |         | 5795      | 0.76                       | 0.99                     | 76.77          | 1.15                  | 1.32            |
| 11AX80SISO | Ant1    | 5775      | 0.40                       | 0.62                     | 64.52          | 1.90                  | 2.50            |

Test Graphs

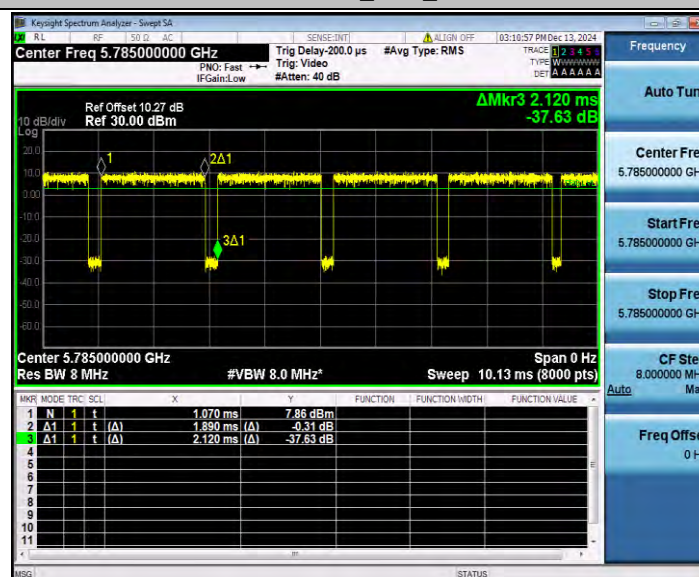




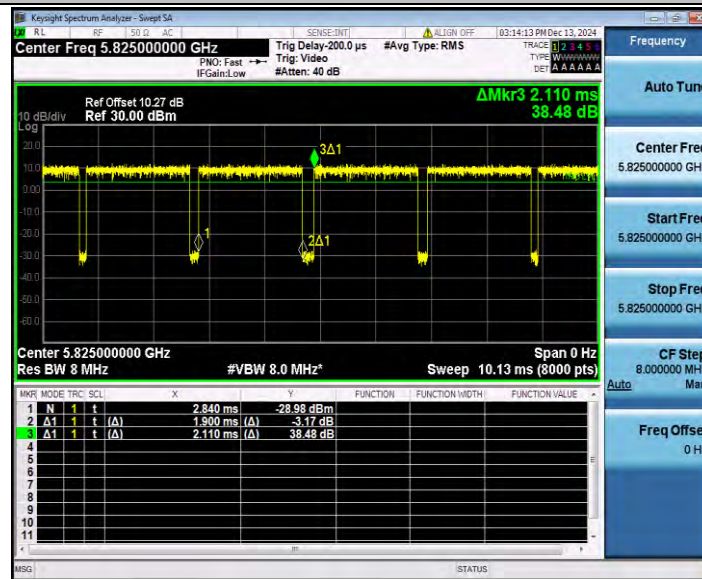
11N20SISO\_Ant1\_5745



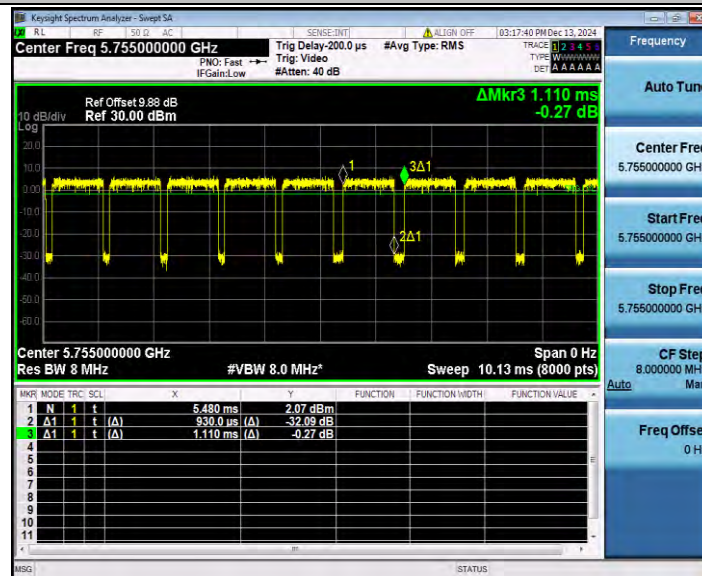
11N20SISO\_Ant1\_5785



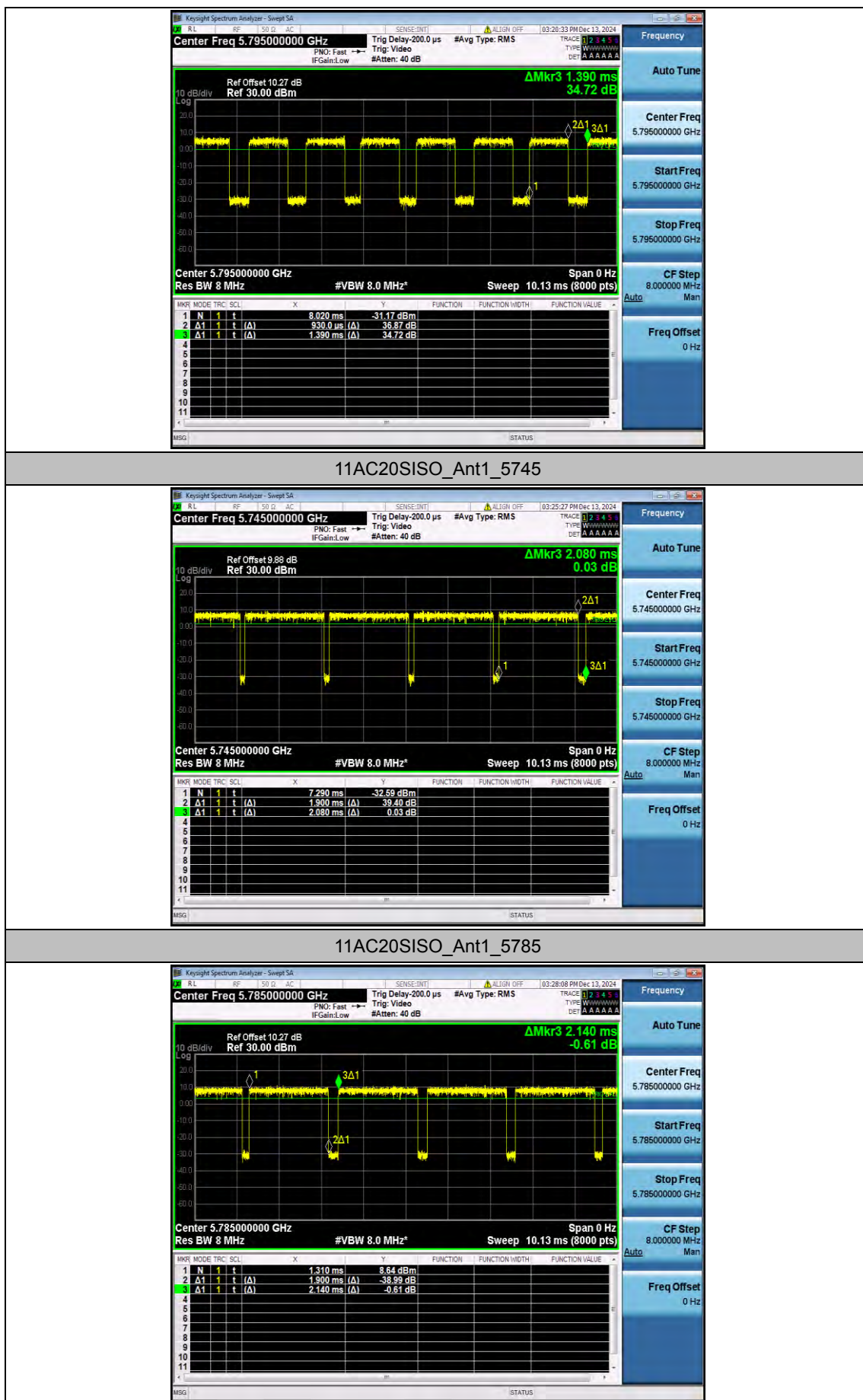
## 11N20SISO\_Ant1\_5825

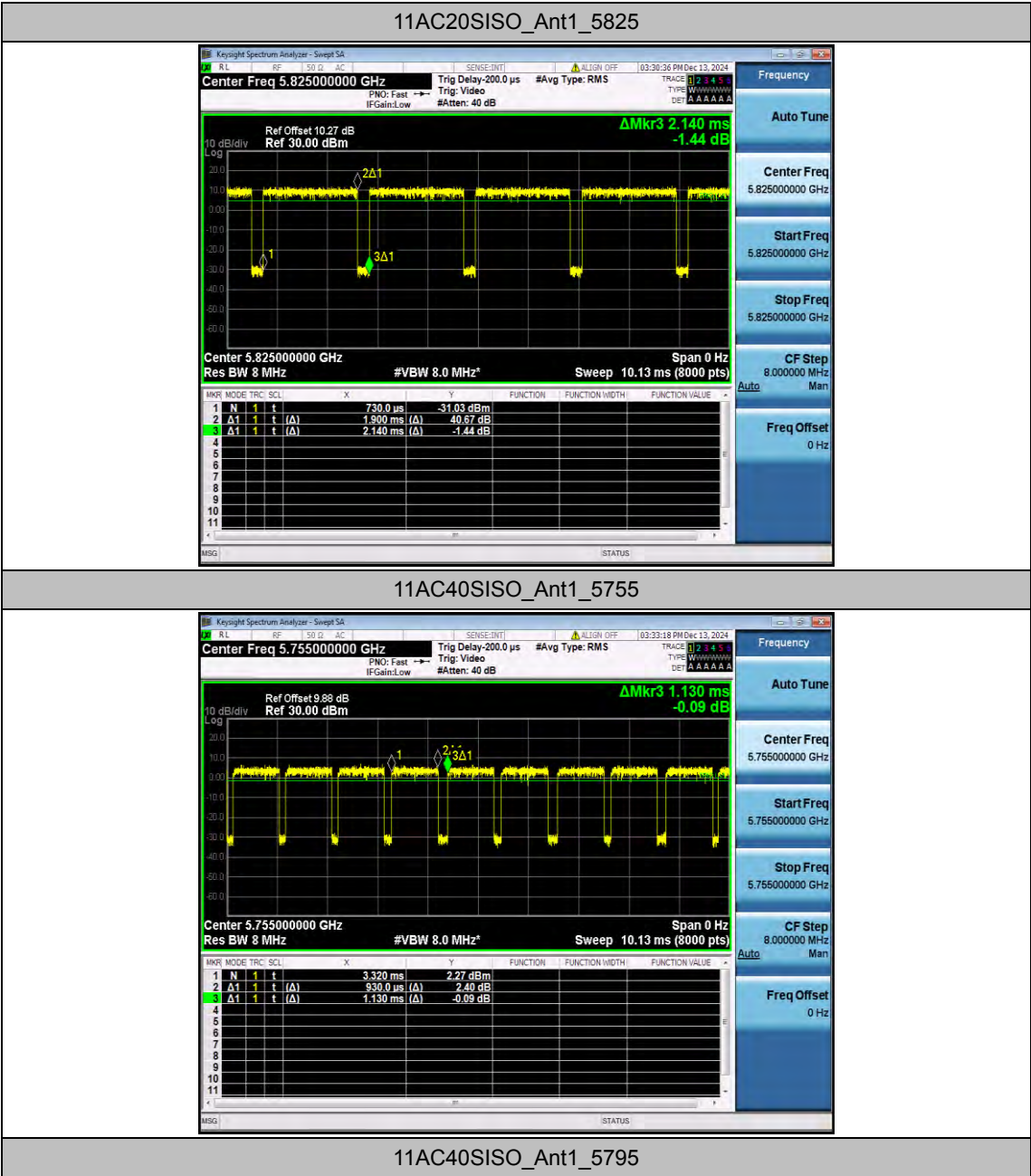


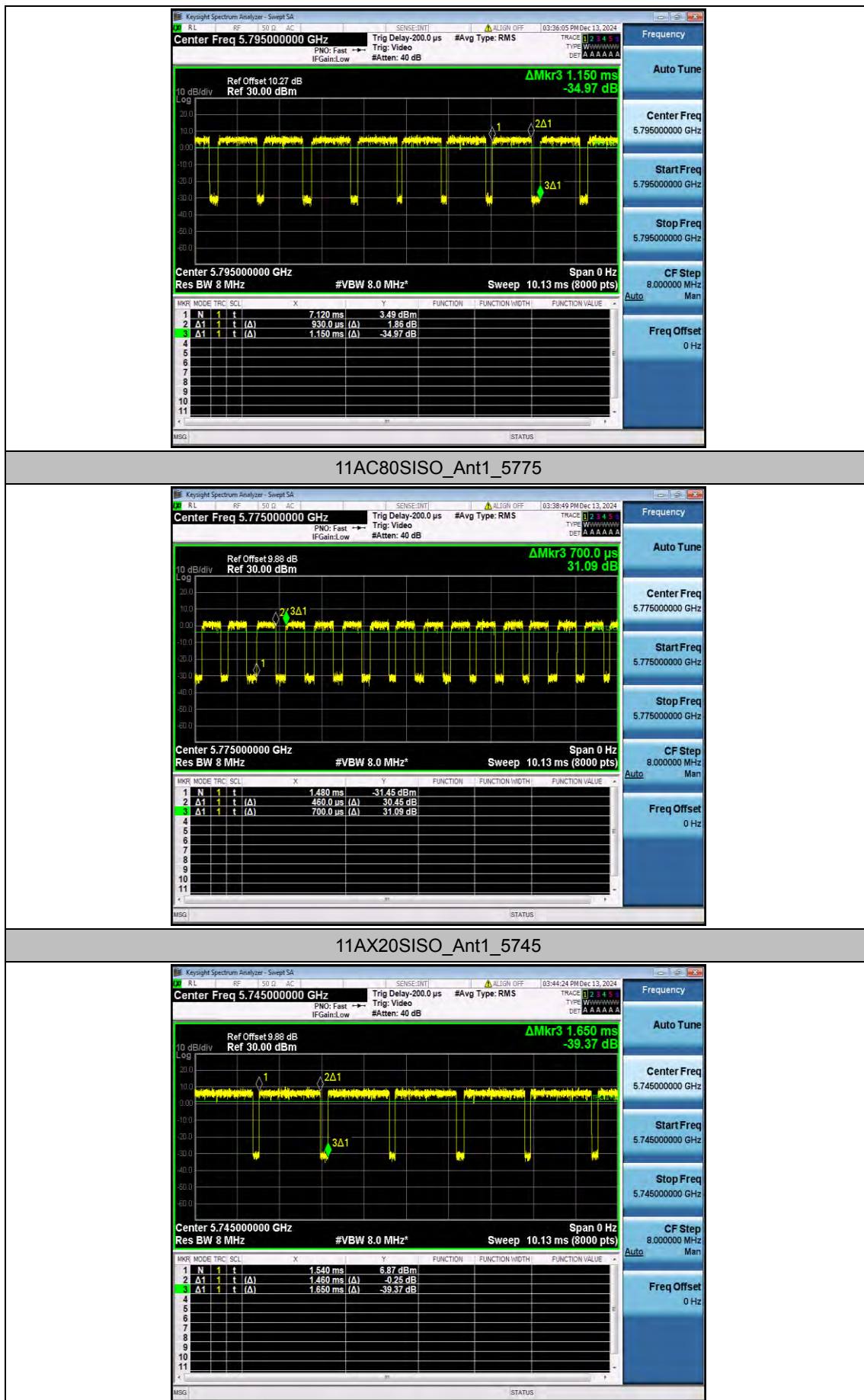
## 11N40SISO\_Ant1\_5755



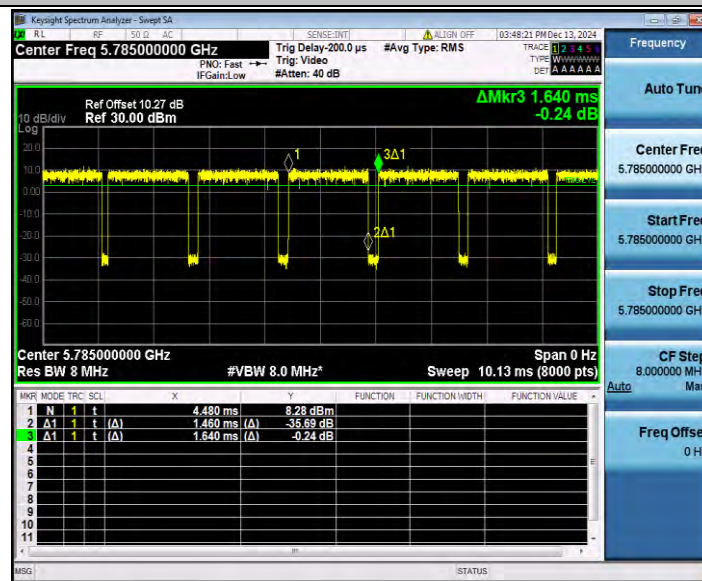
## 11N40SISO\_Ant1\_5795



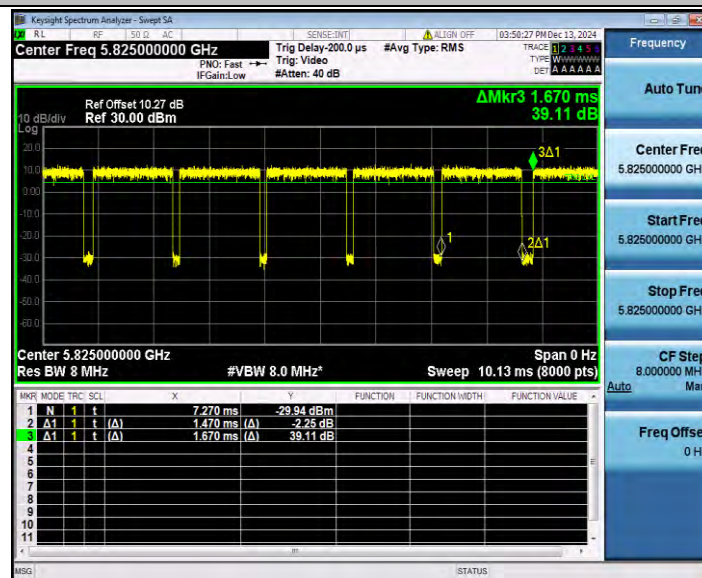




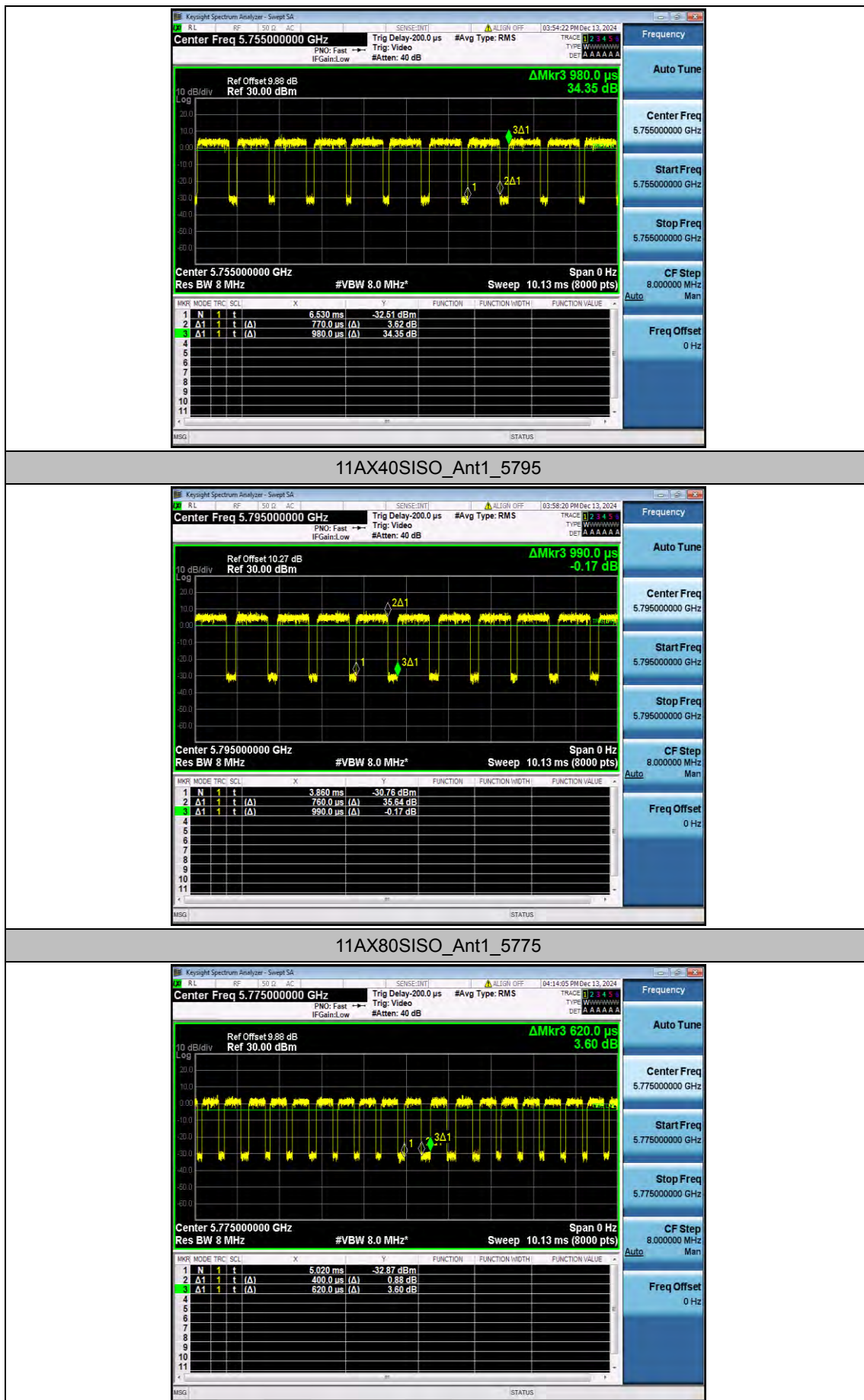
## 11AX20SISO\_Ant1\_5785



## 11AX20SISO\_Ant1\_5825



## 11AX40SISO\_Ant1\_5755



## Appendix G.4: Maximum conducted output power

### Test Result Channel Power

| Test Mode  | Antenna | Freq(MHz) | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|-----------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11A        | Ant1    | 5745      | 10.12               | 91.86          | 0.37            | 10.49        | ≤30.00      | PASS    |
|            |         | 5785      | 11.43               | 91.89          | 0.37            | 11.80        | ≤30.00      | PASS    |
|            |         | 5825      | 12.68               | 90.67          | 0.43            | 13.11        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 5745      | 10.07               | 89.62          | 0.48            | 10.55        | ≤30.00      | PASS    |
|            |         | 5785      | 11.49               | 89.15          | 0.50            | 11.99        | ≤30.00      | PASS    |
|            |         | 5825      | 12.48               | 90.05          | 0.46            | 12.94        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 5755      | 9.83                | 83.78          | 0.77            | 10.60        | ≤30.00      | PASS    |
|            |         | 5795      | 11.32               | 66.91          | 1.75            | 13.07        | ≤30.00      | PASS    |
| 11AC20SISO | Ant1    | 5745      | 10.21               | 91.35          | 0.39            | 10.60        | ≤30.00      | PASS    |
|            |         | 5785      | 11.78               | 88.79          | 0.52            | 12.30        | ≤30.00      | PASS    |
|            |         | 5825      | 13.09               | 88.79          | 0.52            | 13.61        | ≤30.00      | PASS    |
| 11AC40SISO | Ant1    | 5755      | 9.96                | 82.30          | 0.85            | 10.81        | ≤30.00      | PASS    |
|            |         | 5795      | 11.56               | 80.87          | 0.92            | 12.48        | ≤30.00      | PASS    |
| 11AC80SISO | Ant1    | 5775      | 9.93                | 65.71          | 1.82            | 11.75        | ≤30.00      | PASS    |
| 11AX20SISO | Ant1    | 5745      | 10.07               | 88.48          | 0.53            | 10.60        | ≤30.00      | PASS    |
|            |         | 5785      | 11.69               | 89.02          | 0.51            | 12.20        | ≤30.00      | PASS    |
|            |         | 5825      | 12.98               | 88.02          | 0.55            | 13.53        | ≤30.00      | PASS    |
| 11AX40SISO | Ant1    | 5755      | 9.98                | 78.57          | 1.05            | 11.03        | ≤30.00      | PASS    |
|            |         | 5795      | 11.44               | 76.77          | 1.15            | 12.59        | ≤30.00      | PASS    |
| 11AX80SISO | Ant1    | 5775      | 8.51                | 64.52          | 1.90            | 10.41        | ≤30.00      | PASS    |

## Appendix G.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Freq(MHz) | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|-----------|------------------|----------------|---------|
| 11A        | Ant1    | 5745      | -3.89            | ≤30.00         | PASS    |
|            |         | 5785      | -2.71            | ≤30.00         | PASS    |
|            |         | 5825      | -1.41            | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5745      | -4.15            | ≤30.00         | PASS    |
|            |         | 5785      | -2.77            | ≤30.00         | PASS    |
|            |         | 5825      | -1.66            | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5755      | -6.46            | ≤30.00         | PASS    |
|            |         | 5795      | -3.95            | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5745      | -3.89            | ≤30.00         | PASS    |
|            |         | 5785      | -2.61            | ≤30.00         | PASS    |
|            |         | 5825      | -1.45            | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5755      | -6.10            | ≤30.00         | PASS    |
|            |         | 5795      | -4.71            | ≤30.00         | PASS    |
| 11AC80SISO | Ant1    | 5775      | -7.47            | ≤30.00         | PASS    |
| 11AX20SISO | Ant1    | 5745      | -4.28            | ≤30.00         | PASS    |
|            |         | 5785      | -2.99            | ≤30.00         | PASS    |
|            |         | 5825      | -1.82            | ≤30.00         | PASS    |
| 11AX40SISO | Ant1    | 5755      | -6.64            | ≤30.00         | PASS    |
|            |         | 5795      | -4.83            | ≤30.00         | PASS    |
| 11AX80SISO | Ant1    | 5775      | -7.48            | ≤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

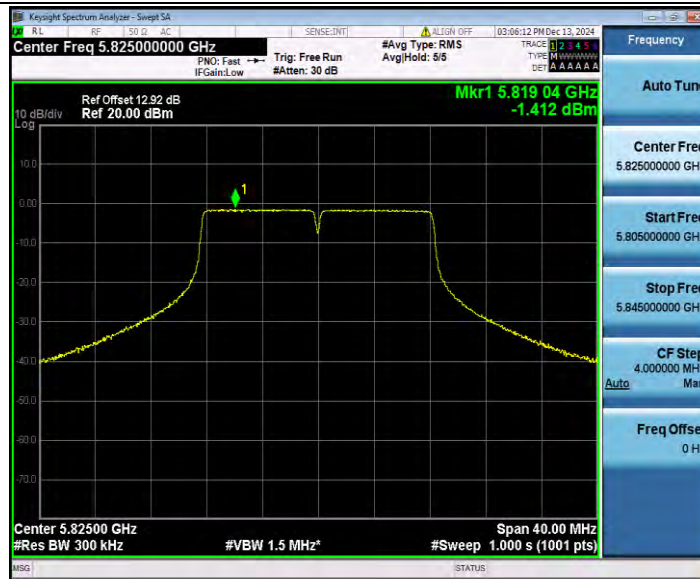
11A\_Ant1\_5745



11A\_Ant1\_5785



11A\_Ant1\_5825



11N20SISO\_Ant1\_5745



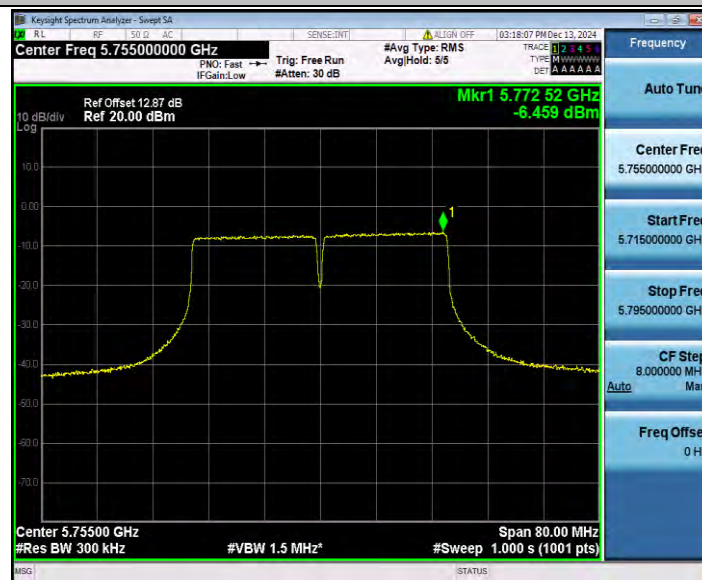
11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



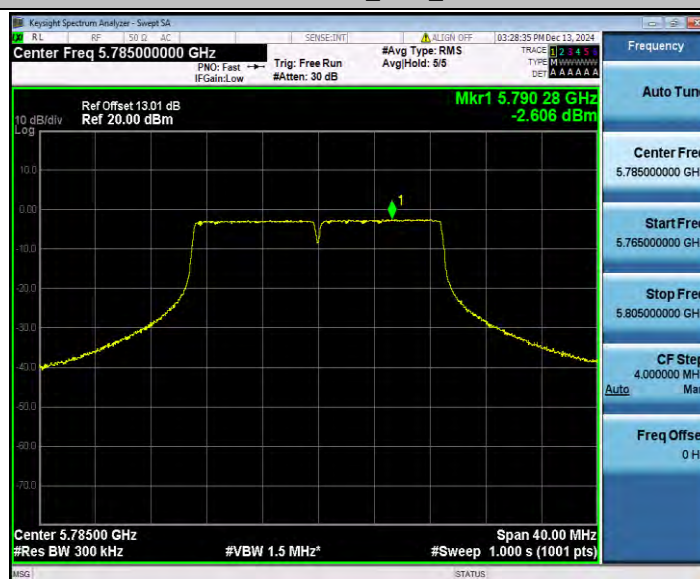
11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



## 11AC20SISO\_Ant1\_5825



## 11AC40SISO\_Ant1\_5755



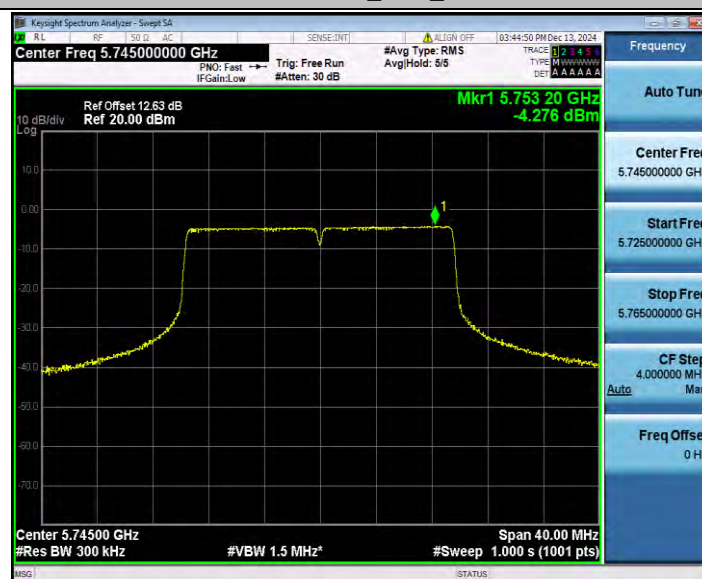
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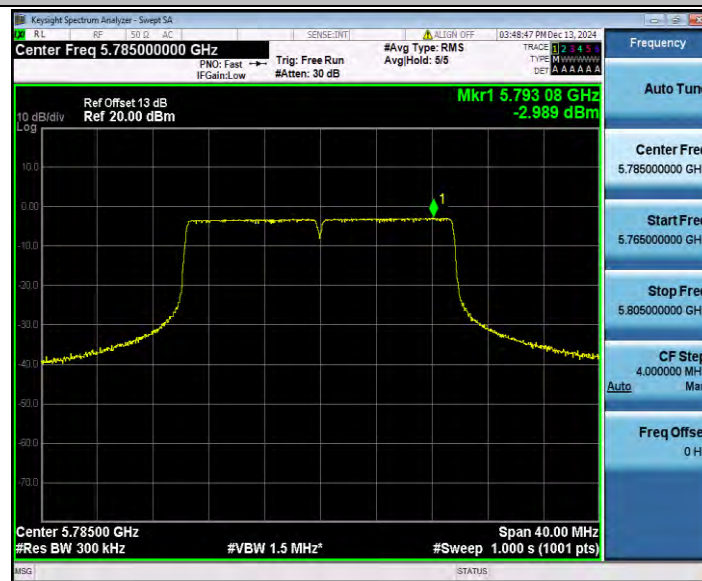
11AC80SISO\_Ant1\_5775



11AX20SISO\_Ant1\_5745



11AX20SISO\_Ant1\_5785



11AX20SISO\_Ant1\_5825



11AX40SISO\_Ant1\_5755



11AX40SISO\_Ant1\_5795



11AX80SISO\_Ant1\_5775

