
11AX40SISO_Ant1_5755


11AX40SISO_Ant1_5795

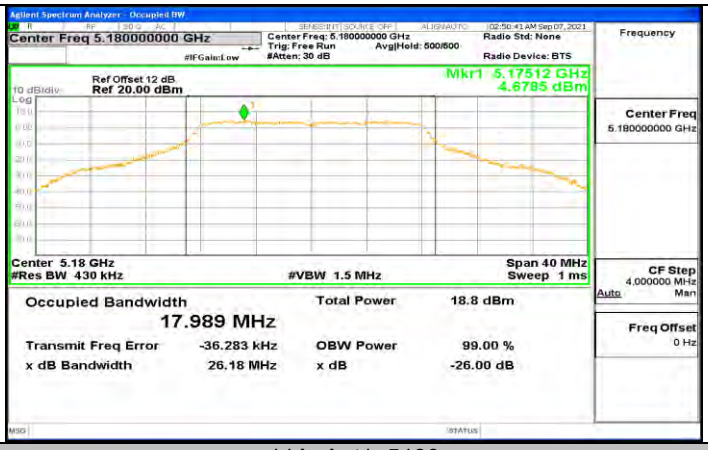
## 13.2. Appendix A2: Occupied Channel Bandwidth

### 13.2.1. Test Result

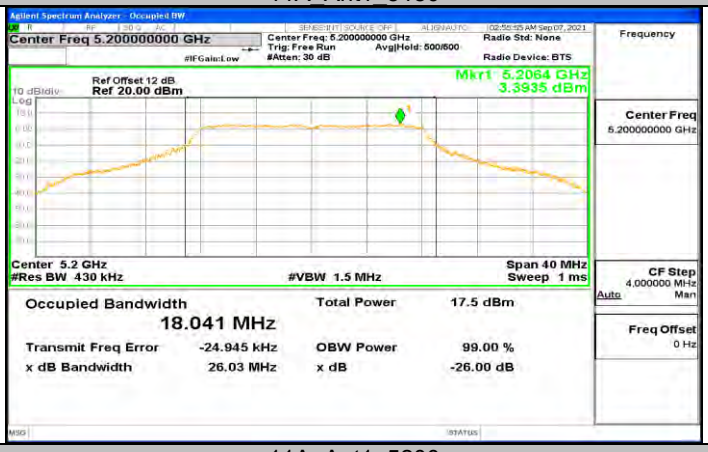
| Test Mode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Verdict |
|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 17.989 | 5170.969 | 5188.958 | PASS |
| | | 5200 | 18.041 | 5190.955 | 5208.996 | PASS |
| | | 5240 | 17.981 | 5230.948 | 5248.929 | PASS |
| | | 5260 | 17.969 | 5250.990 | 5268.959 | PASS |
| | | 5280 | 18.013 | 5271.001 | 5289.014 | PASS |
| | | 5320 | 18.008 | 5310.993 | 5329.001 | PASS |
| | | 5500 | 18.061 | 5490.986 | 5509.047 | PASS |
| | | 5580 | 17.975 | 5571.059 | 5589.034 | PASS |
| | | 5700 | 17.935 | 5690.959 | 5708.894 | PASS |
| | | 5720 | 17.948 | 5710.920 | 5728.868 | PASS |
| | | 5720_UNII-2C | 14.08 | 5710.920 | 5725 | PASS |
| | | 5720_UNII-3 | 3.868 | 5725 | 5728.868 | PASS |
| | | 5745 | 17.945 | 5735.942 | 5753.887 | PASS |
| | | 5785 | 18.038 | 5775.921 | 5793.959 | PASS |
| | | 5825 | 17.999 | 5815.884 | 5833.883 | PASS |
| 11N20SISO | Ant1 | 5180 | 19.062 | 5170.474 | 5189.536 | PASS |
| | | 5200 | 19.078 | 5190.473 | 5209.551 | PASS |
| | | 5240 | 19.096 | 5230.477 | 5249.573 | PASS |
| | | 5260 | 19.085 | 5250.471 | 5269.556 | PASS |
| | | 5280 | 19.160 | 5270.447 | 5289.607 | PASS |
| | | 5320 | 19.107 | 5310.521 | 5329.628 | PASS |
| | | 5500 | 19.249 | 5490.440 | 5509.689 | PASS |
| | | 5580 | 19.193 | 5570.456 | 5589.649 | PASS |
| | | 5700 | 19.122 | 5690.415 | 5709.537 | PASS |
| | | 5720 | 19.188 | 5710.378 | 5729.566 | PASS |
| | | 5720_UNII-2C | 14.622 | 5710.378 | 5725 | PASS |
| | | 5720_UNII-3 | 4.566 | 5725 | 5729.566 | PASS |
| | | 5745 | 19.146 | 5735.395 | 5754.541 | PASS |
| | | 5785 | 19.203 | 5775.341 | 5794.544 | PASS |
| | | 5825 | 19.245 | 5815.302 | 5834.547 | PASS |
| 11N40SISO | Ant1 | 5190 | 37.621 | 5171.267 | 5208.888 | PASS |
| | | 5230 | 37.533 | 5211.224 | 5248.757 | PASS |
| | | 5270 | 37.598 | 5251.260 | 5288.858 | PASS |
| | | 5310 | 37.694 | 5291.200 | 5328.894 | PASS |
| | | 5510 | 37.614 | 5491.270 | 5528.884 | PASS |
| | | 5550 | 37.594 | 5531.272 | 5568.866 | PASS |
| | | 5670 | 37.715 | 5651.123 | 5688.838 | PASS |
| | | 5710 | 37.567 | 5691.171 | 5728.738 | PASS |
| | | 5710_UNII-2C | 33.829 | 5691.171 | 5725 | PASS |
| | | 5710_UNII-3 | 3.738 | 5725 | 5728.738 | PASS |
| | | 5755 | 37.668 | 5736.061 | 5773.729 | PASS |
| | | 5795 | 37.614 | 5776.045 | 5813.659 | PASS |
| 11AX20SISO | Ant1 | 5180 | 19.662 | 5170.239 | 5189.901 | PASS |
| | | 5200 | 19.721 | 5190.187 | 5209.908 | PASS |
| | | 5240 | 19.618 | 5230.189 | 5249.807 | PASS |
| | | 5260 | 19.632 | 5250.235 | 5269.867 | PASS |
| | | 5280 | 19.720 | 5270.177 | 5289.897 | PASS |
| | | 5320 | 19.689 | 5310.167 | 5329.856 | PASS |
| | | 5500 | 19.731 | 5490.181 | 5509.912 | PASS |
| | | 5580 | 19.631 | 5570.190 | 5589.821 | PASS |
| | | 5700 | 19.656 | 5690.208 | 5709.864 | PASS |
| | | 5720 | 19.661 | 5710.185 | 5729.846 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 5720_UNII-2C | 14.815 | 5710.185 | 5725 | PASS |
| | | 5720_UNII-3 | 4.846 | 5725 | 5729.846 | PASS |
| | | 5745 | 19.649 | 5735.185 | 5754.834 | PASS |
| | | 5785 | 19.625 | 5775.182 | 5794.807 | PASS |
| | | 5825 | 19.667 | 5815.187 | 5834.854 | PASS |
| 11AX40SISO | Ant1 | 5190 | 38.429 | 5170.801 | 5209.230 | PASS |
| | | 5230 | 38.418 | 5210.799 | 5249.217 | PASS |
| | | 5270 | 38.537 | 5250.803 | 5289.340 | PASS |
| | | 5310 | 38.531 | 5290.791 | 5329.322 | PASS |
| | | 5510 | 38.416 | 5490.837 | 5529.253 | PASS |
| | | 5550 | 38.485 | 5530.840 | 5569.325 | PASS |
| | | 5670 | 38.478 | 5650.734 | 5689.212 | PASS |
| | | 5710 | 38.512 | 5690.653 | 5729.165 | PASS |
| | | 5710_UNII-2C | 34.347 | 5690.653 | 5725 | PASS |
| | | 5710_UNII-3 | 4.165 | 5725 | 5729.165 | PASS |
| | | 5755 | 38.470 | 5735.809 | 5774.279 | PASS |
| | | 5795 | 38.450 | 5775.717 | 5814.167 | PASS |

### 13.2.2. Test Graphs




11A_Ant1_5180

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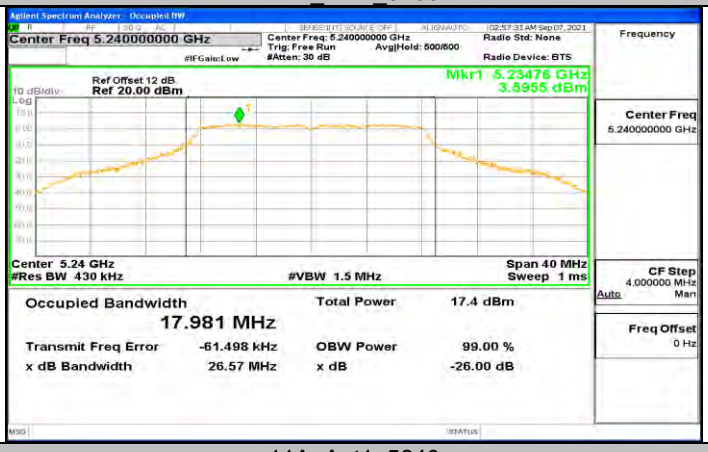
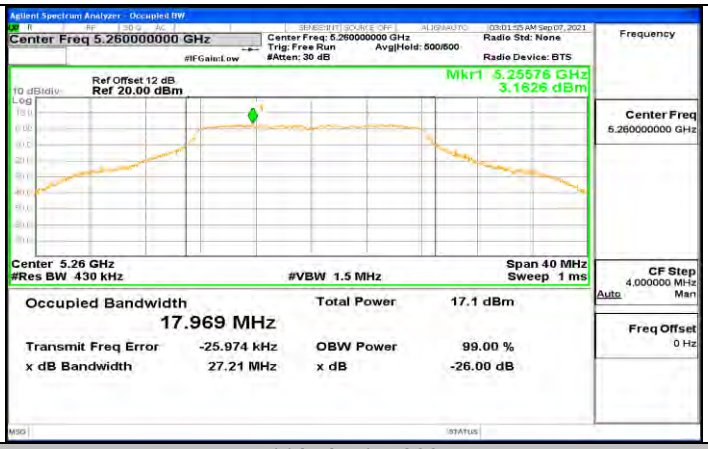
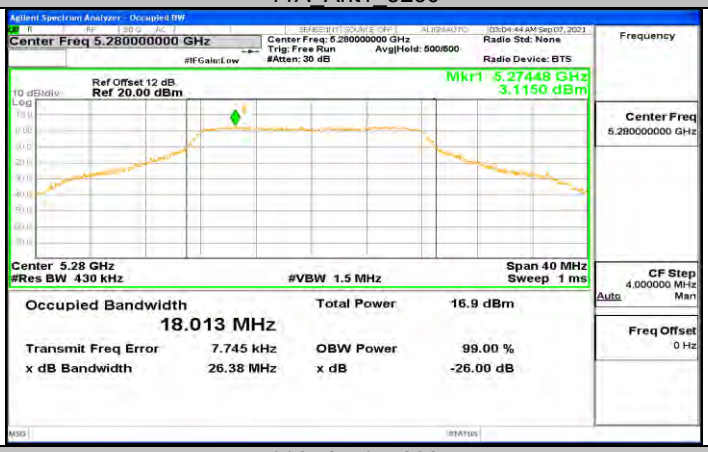



11A_Ant1_5240




11A_Ant1_5260

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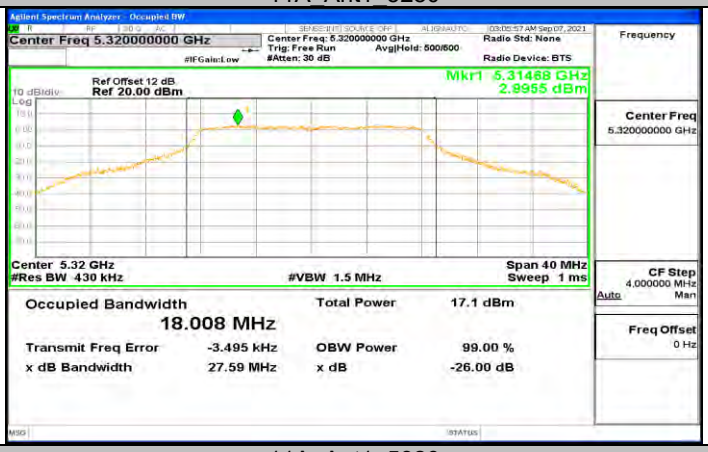


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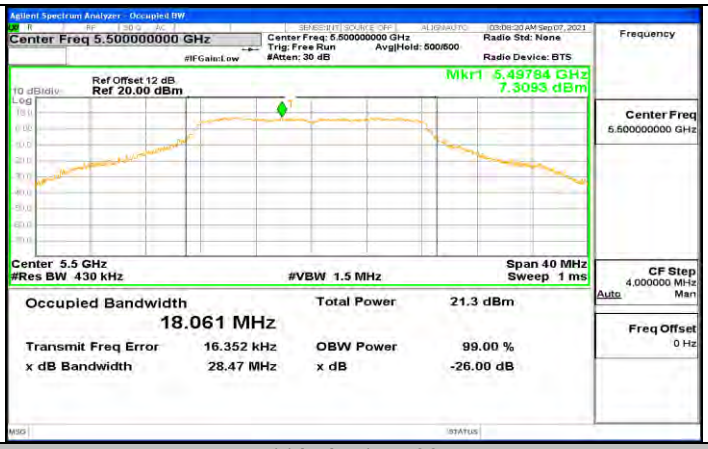


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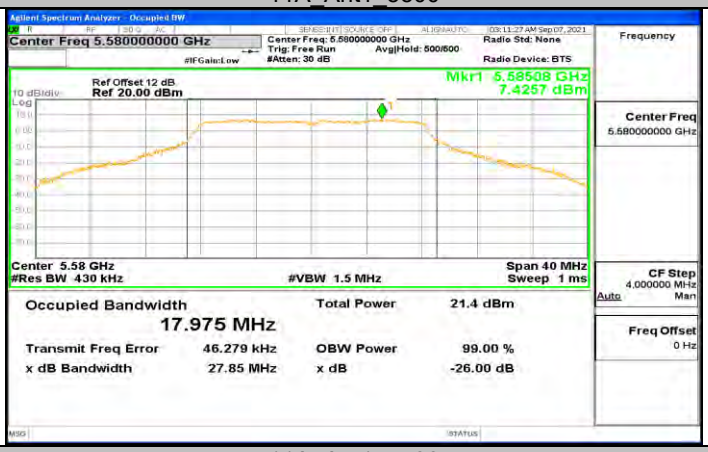


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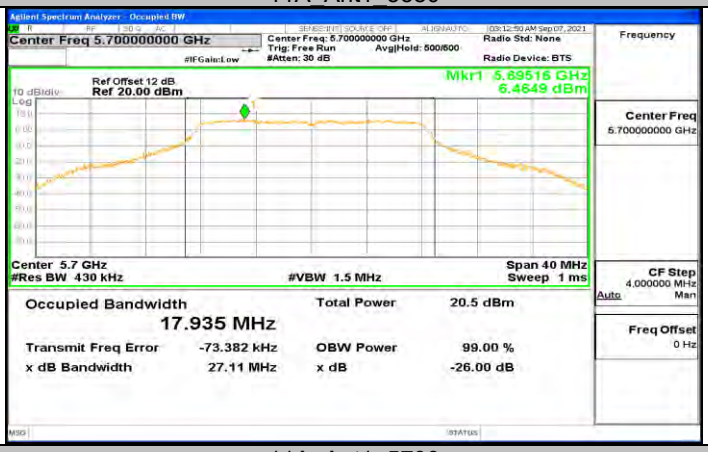


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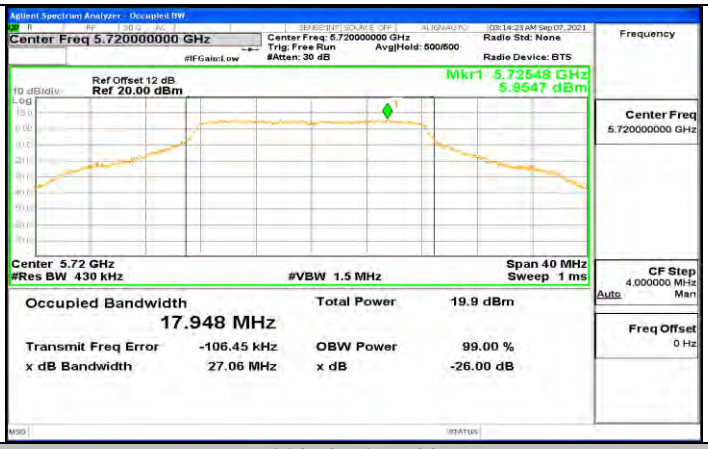


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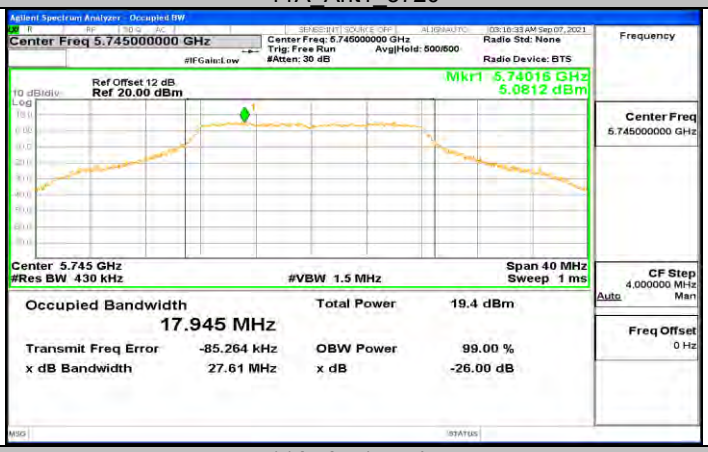


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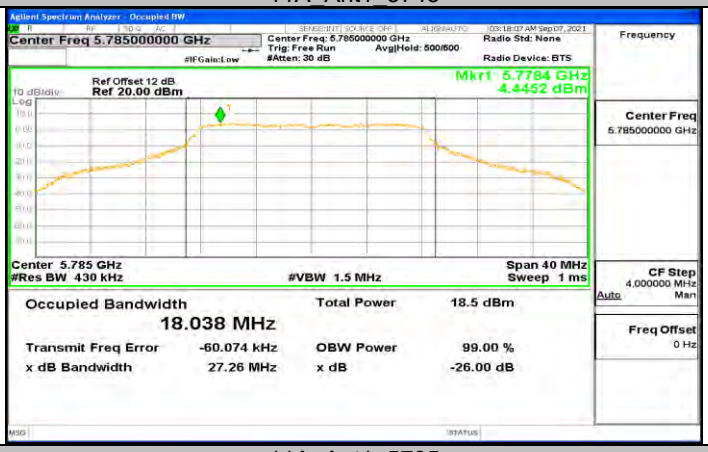


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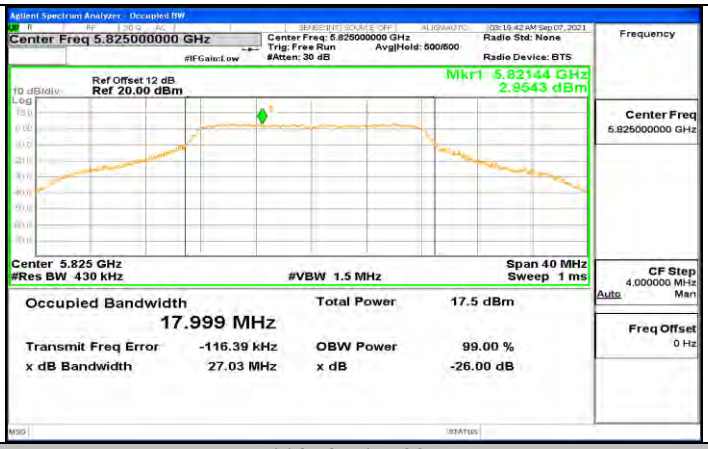


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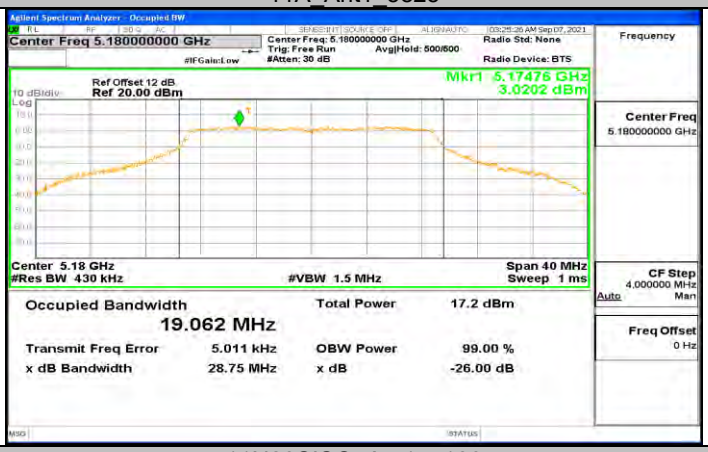
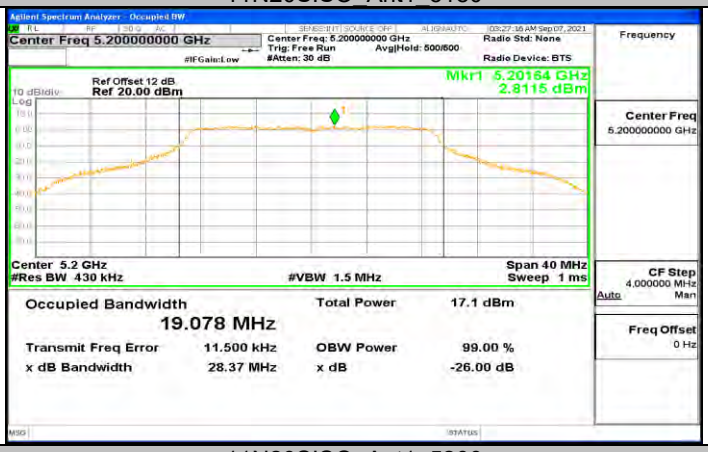



11N20SISO_Ant1_5180

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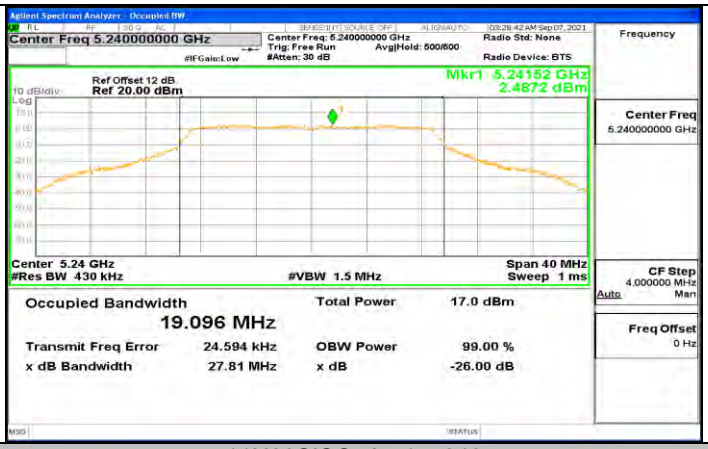


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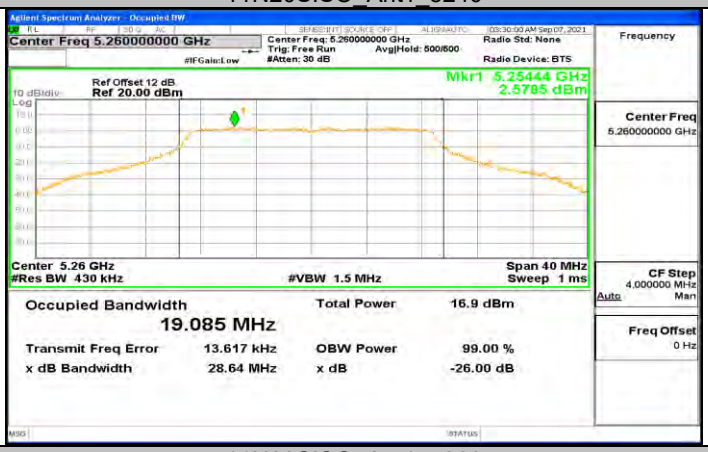


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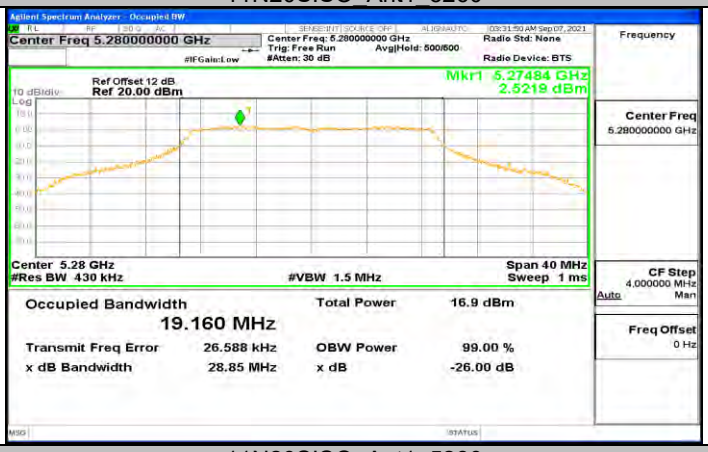


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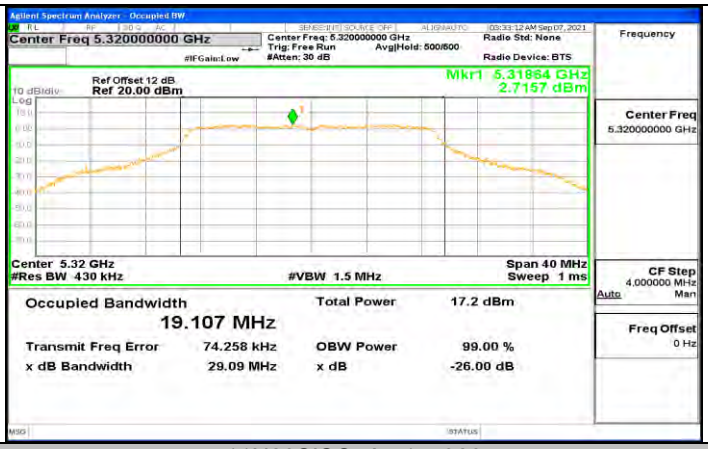
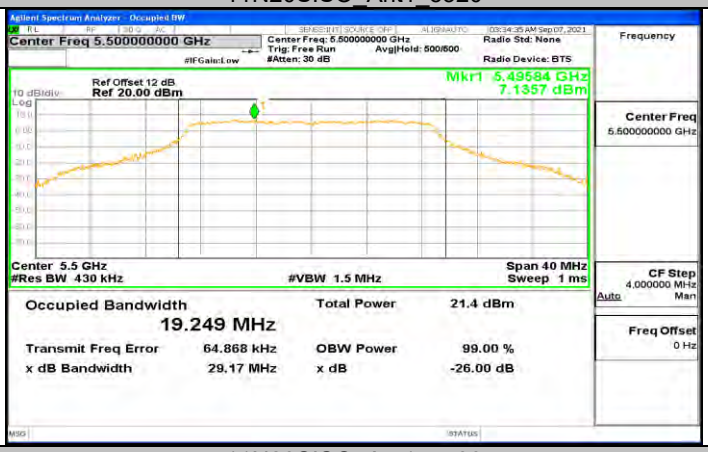
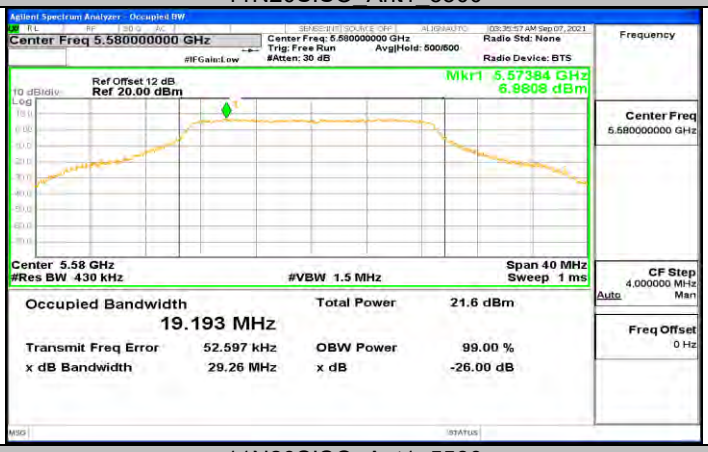


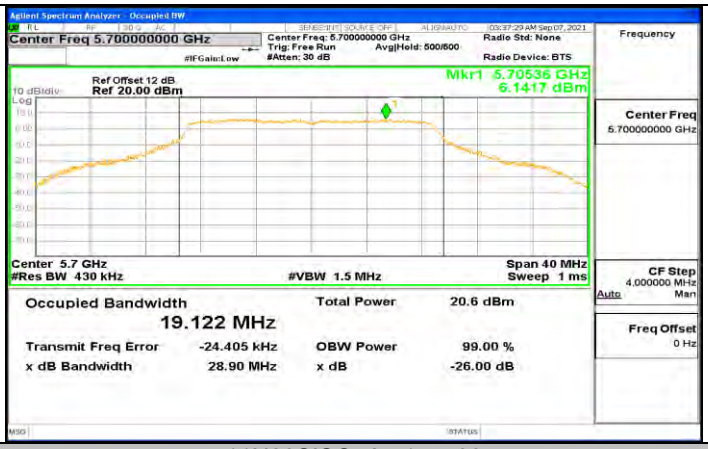

11N20SISO_Ant1_5320



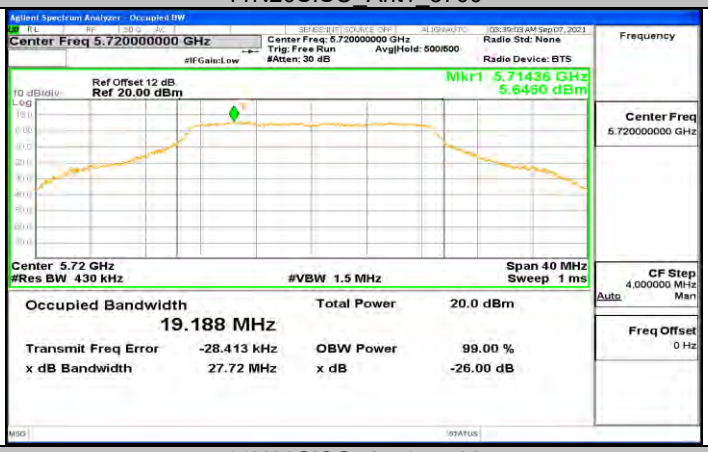

11N20SISO_Ant1_5500




11N20SISO_Ant1_5580




11N20SISO_Ant1_5700

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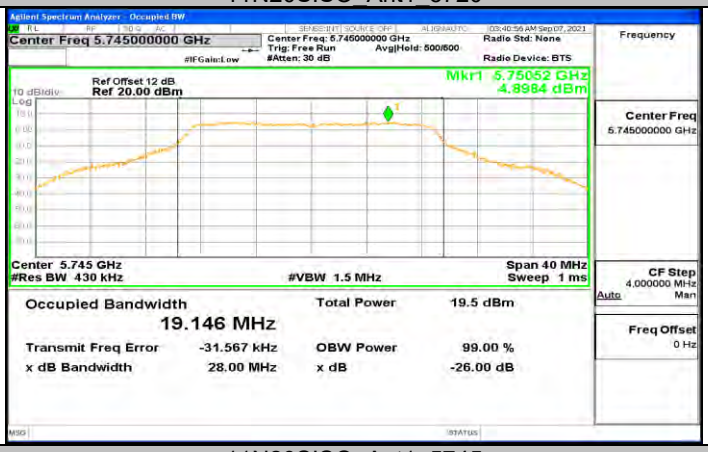


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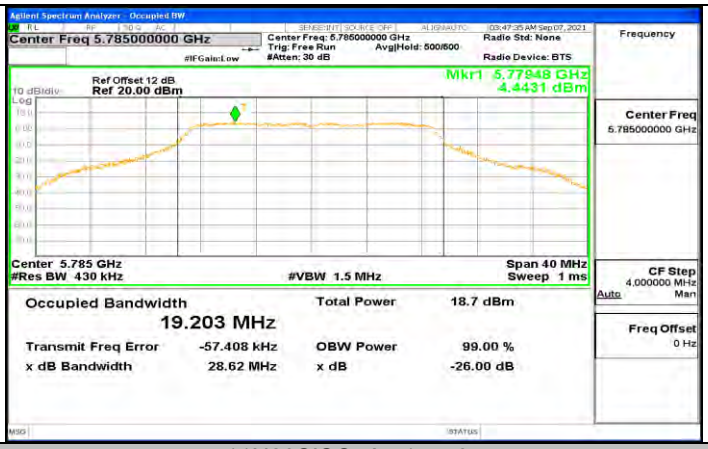


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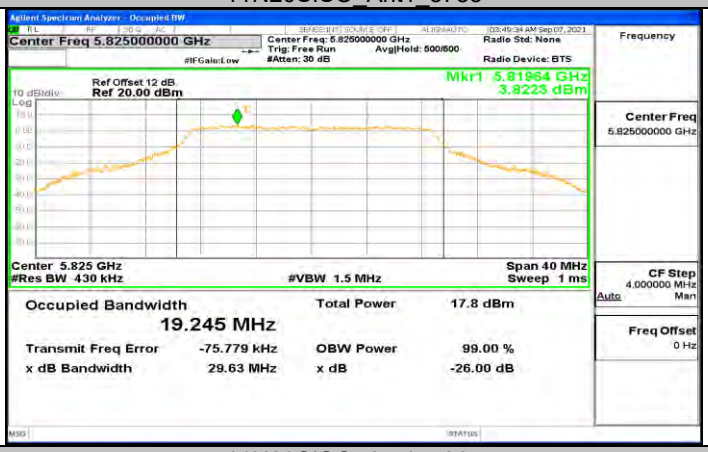


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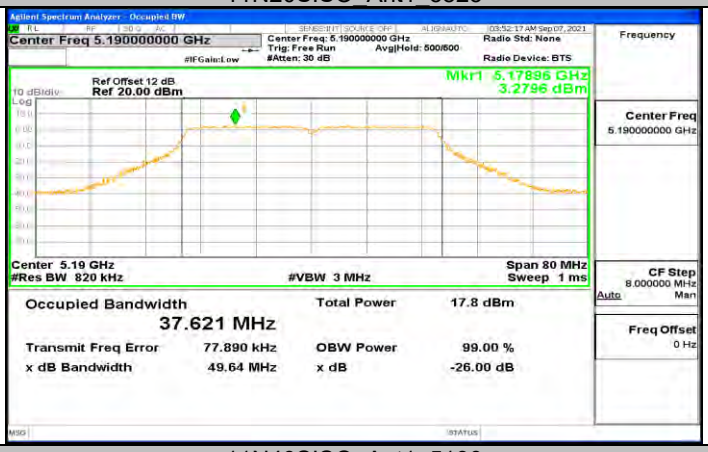
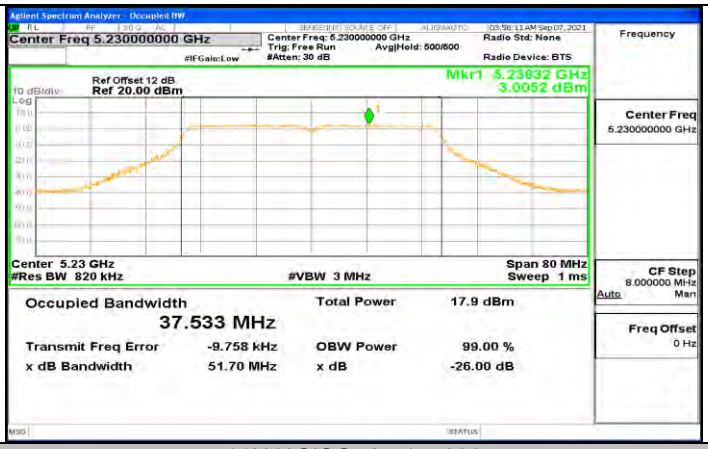



11N40SISO_Ant1_5190

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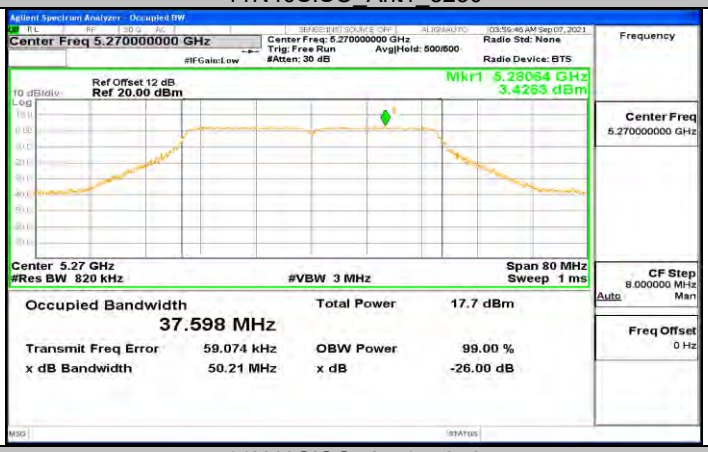


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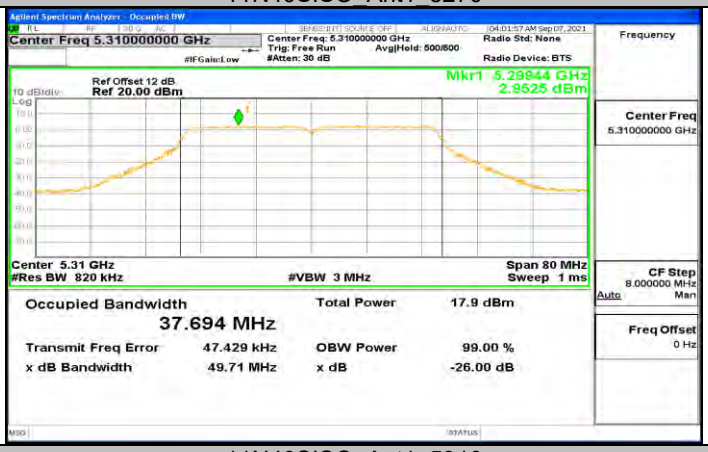


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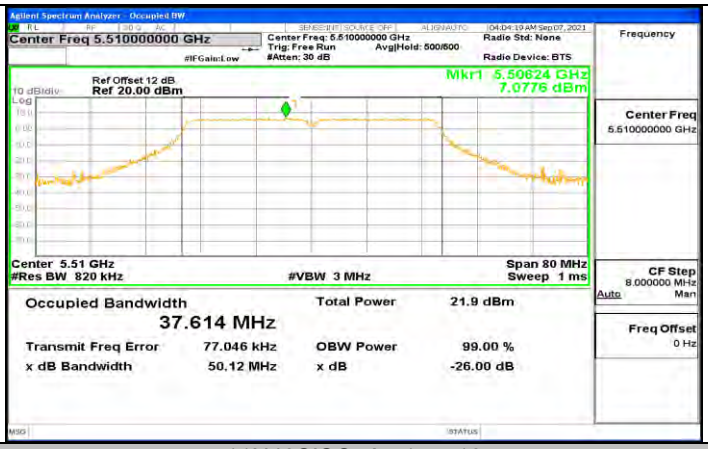


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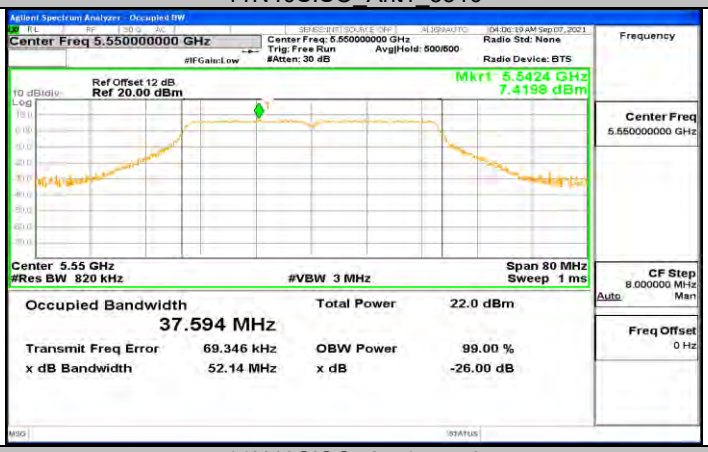


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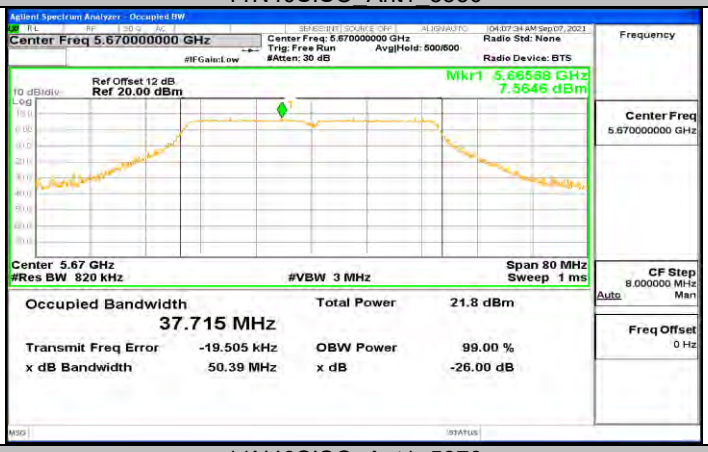


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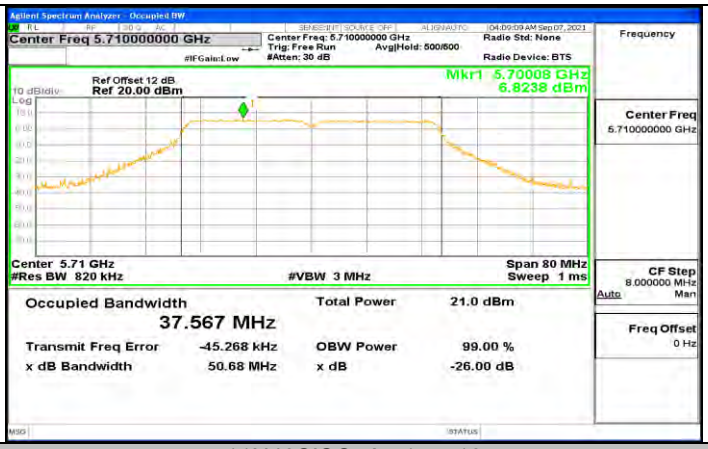


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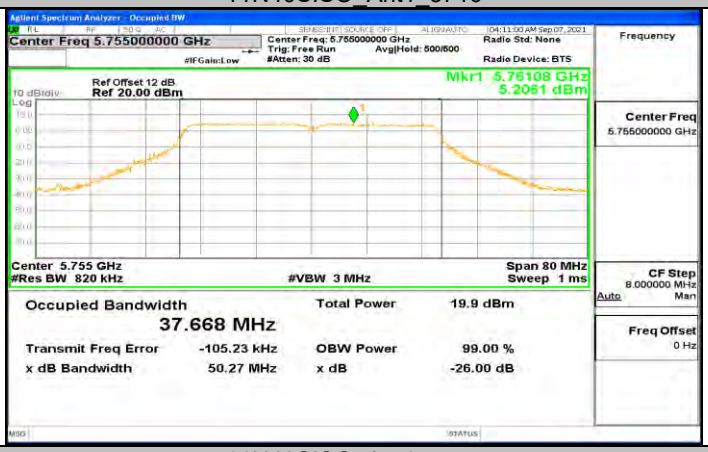
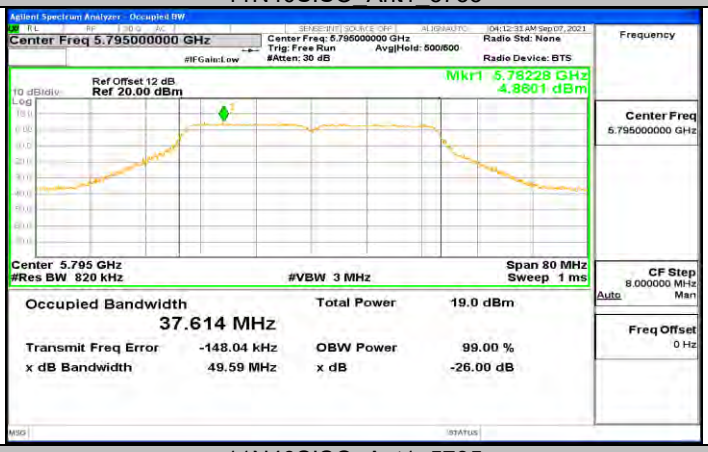
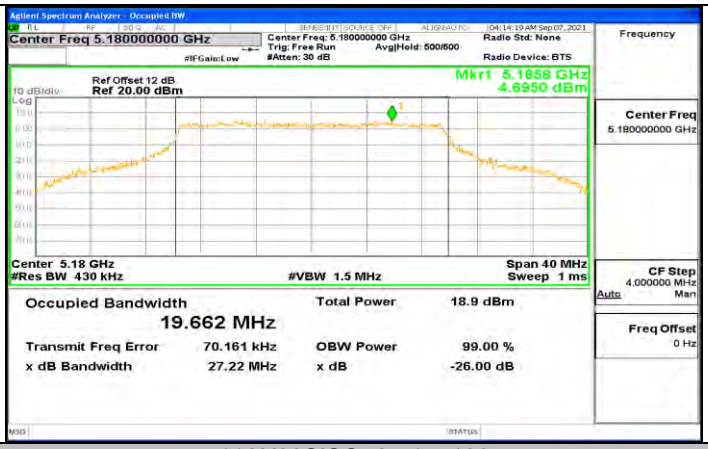



11N40SISO_Ant1_5755




11N40SISO_Ant1_5795

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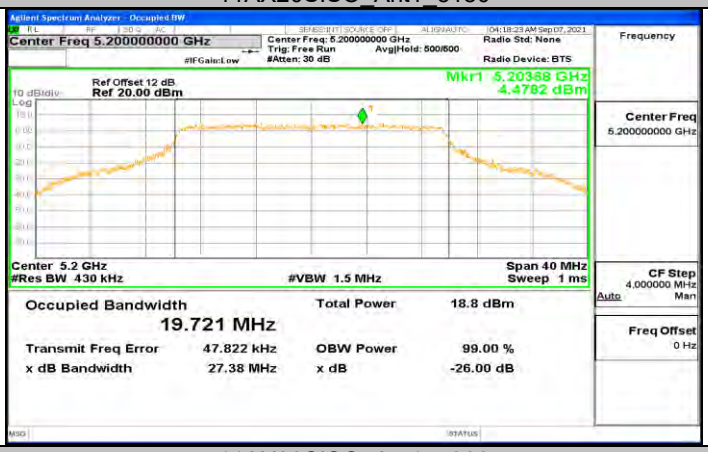


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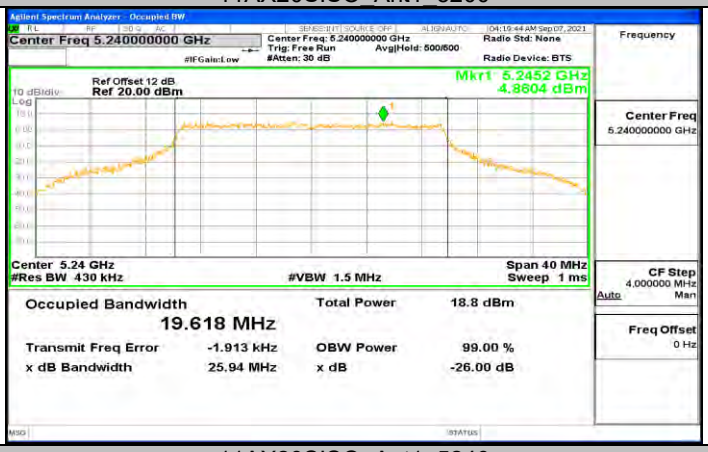


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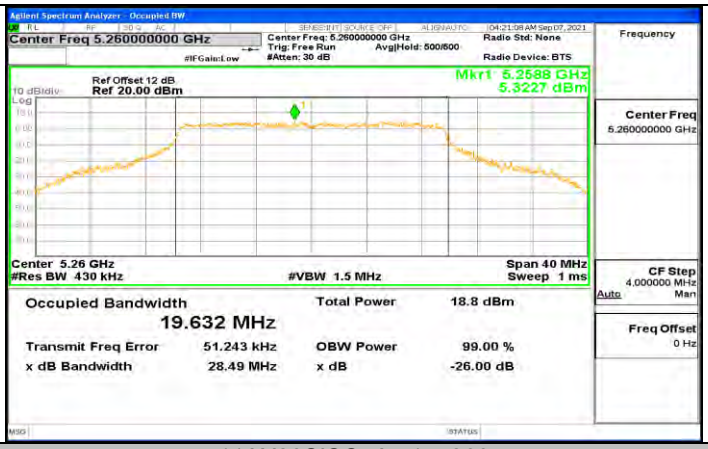


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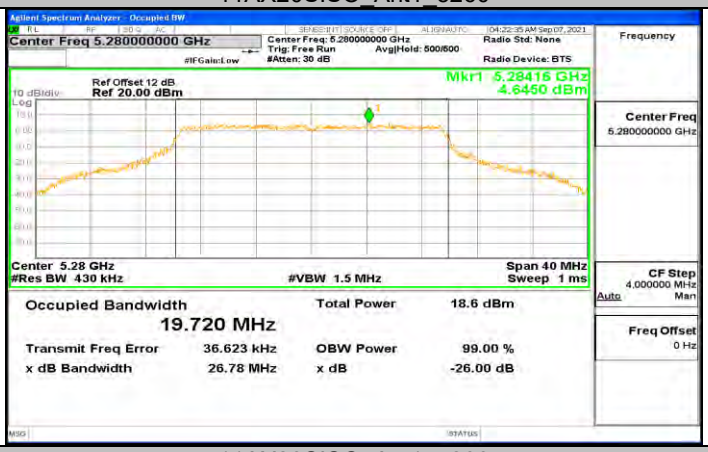


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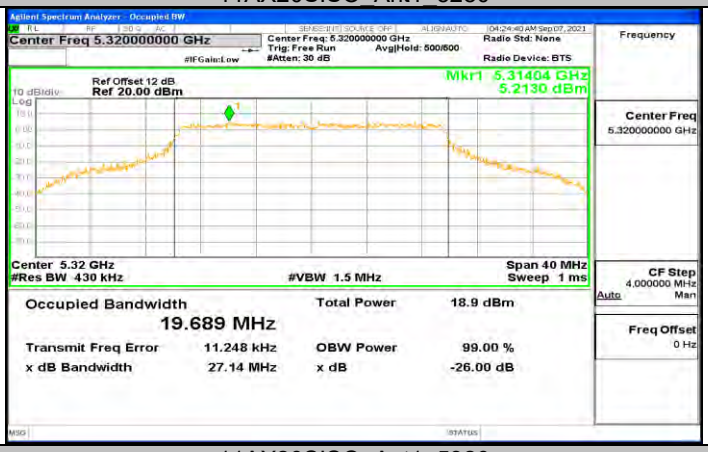


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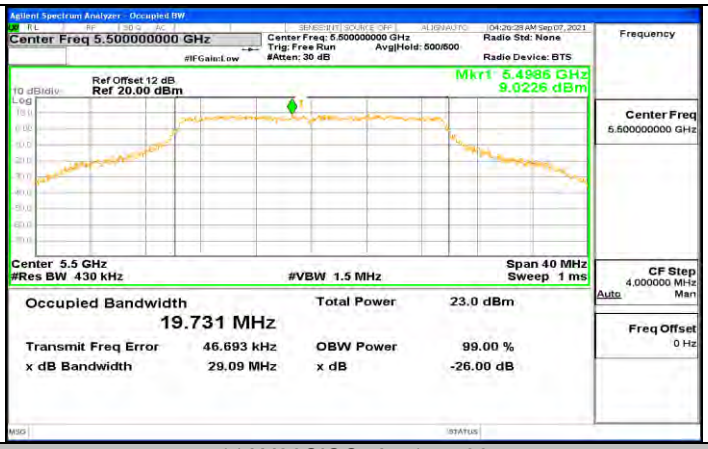


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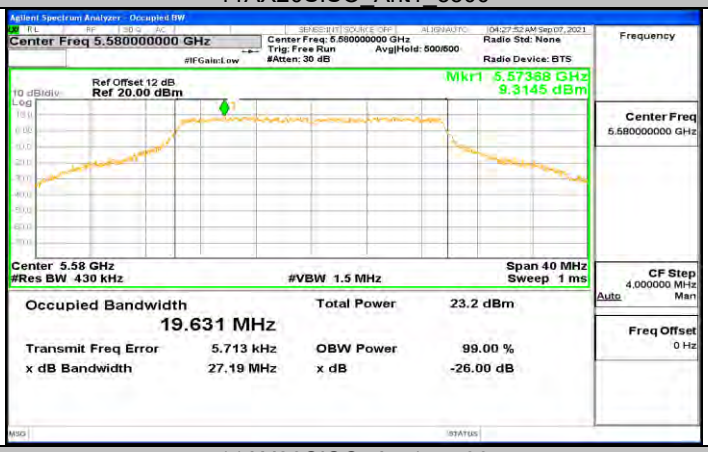
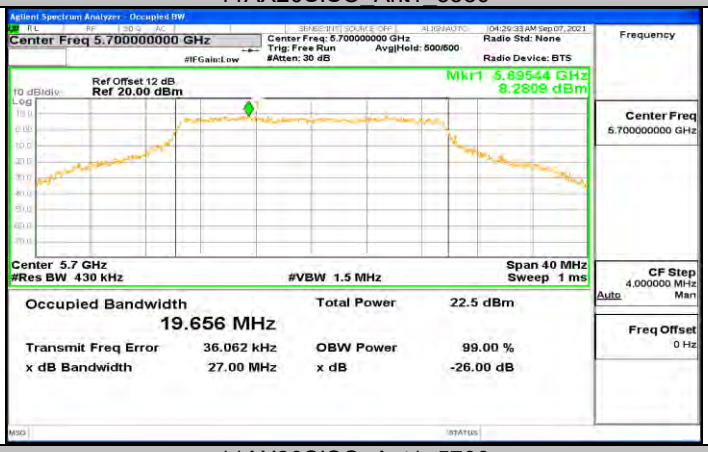
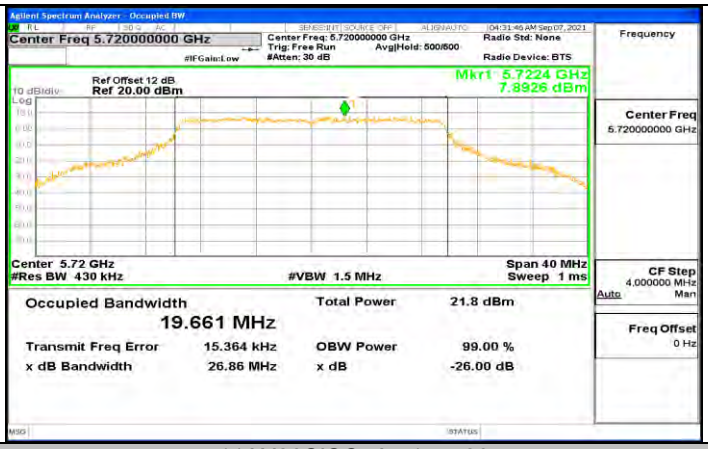


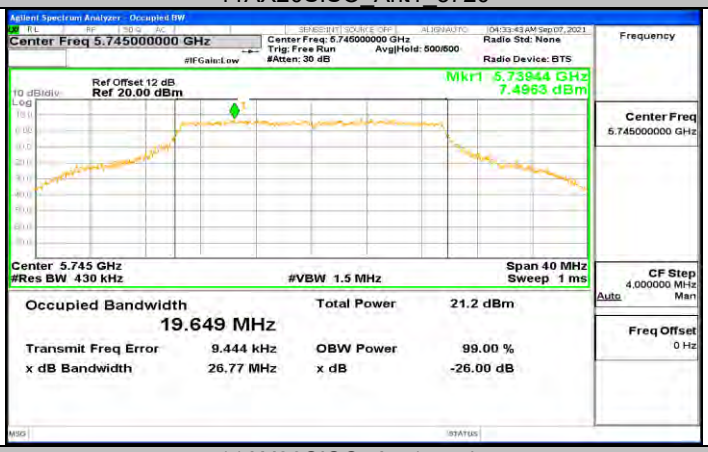

11AX20SISO_Ant1_5580



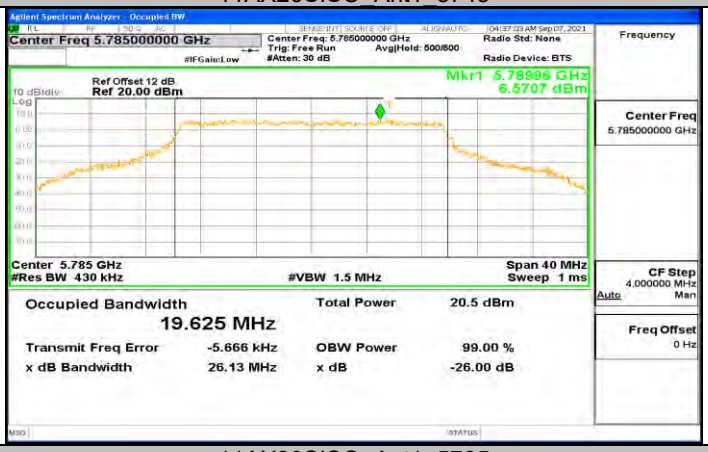

11AX20SISO_Ant1_5700



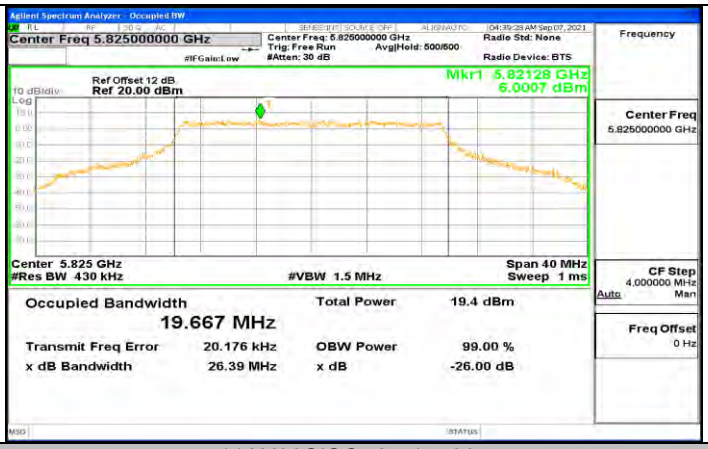

11AX20SISO_Ant1_5720



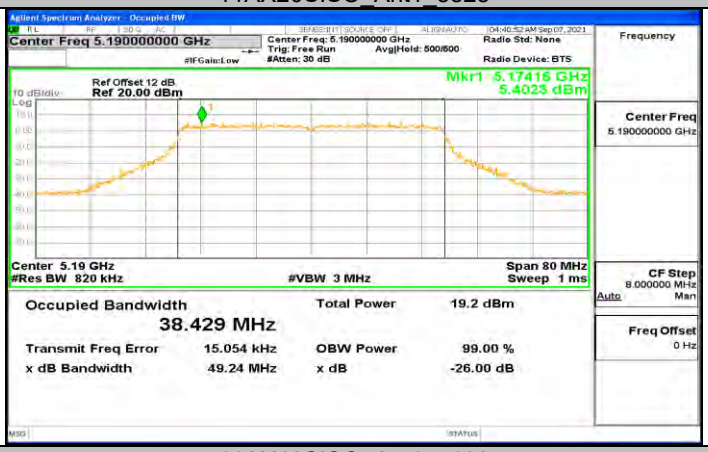

11AX20SISO_Ant1_5745



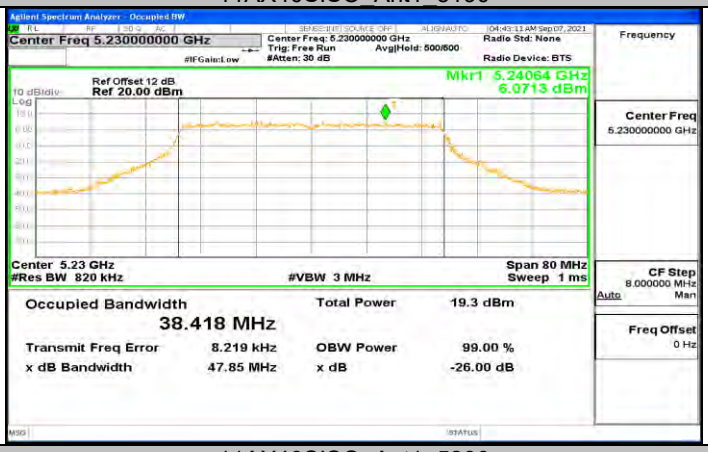

11AX20SISO_Ant1_5785



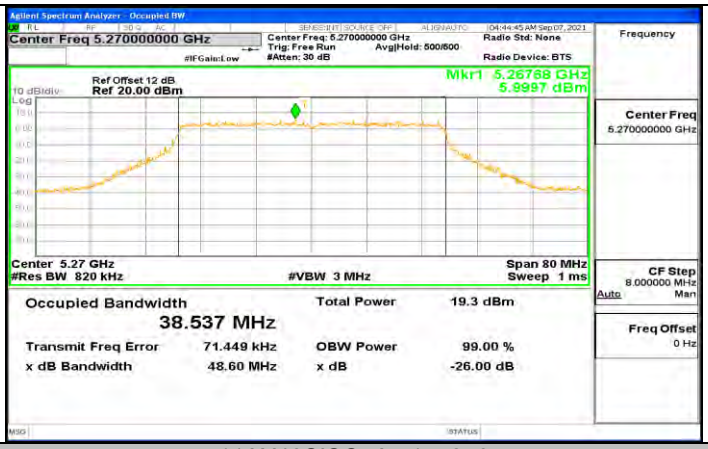

11AX20SISO_Ant1_5825



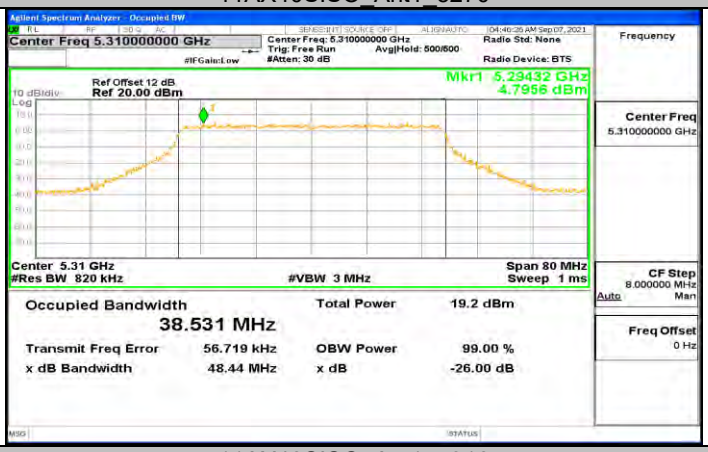

11AX40SISO_Ant1_5190



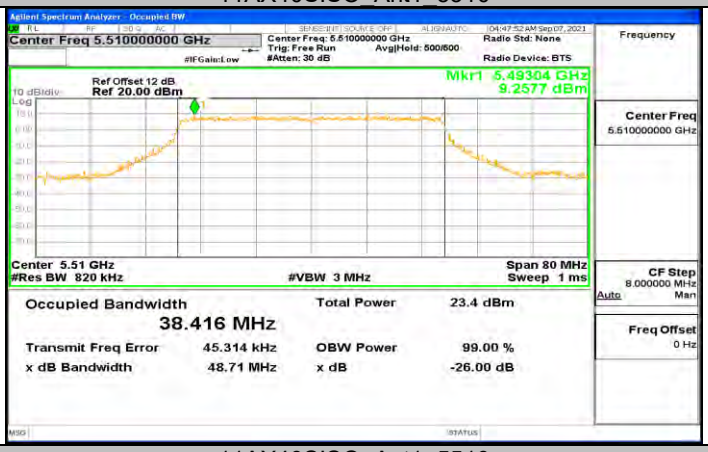

11AX40SISO_Ant1_5230



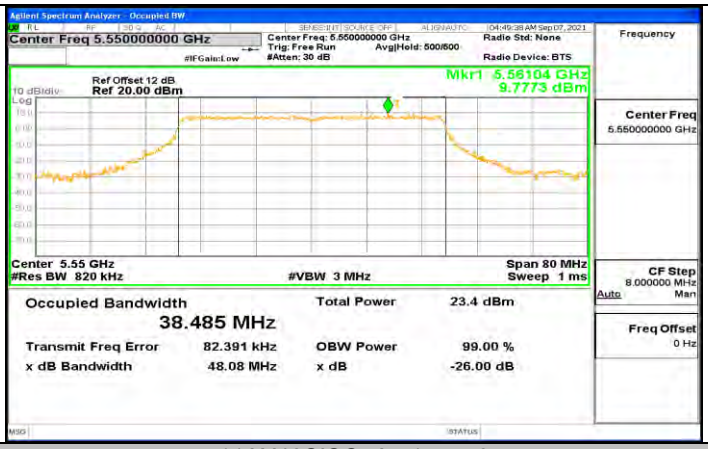

11AX40SISO_Ant1_5270



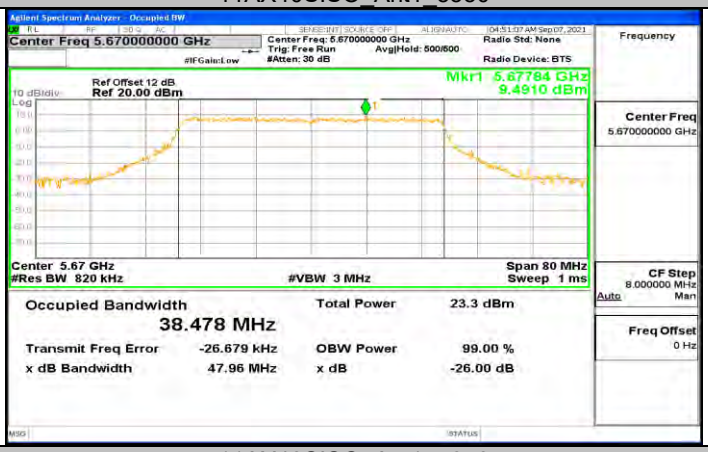

11AX40SISO_Ant1_5310



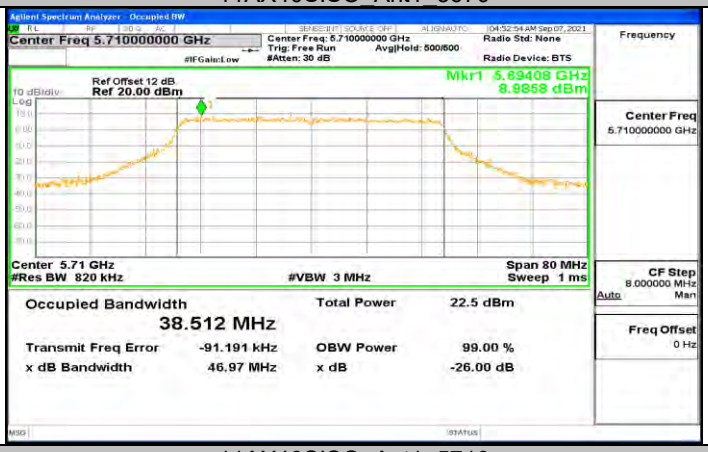

11AX40SISO_Ant1_5510



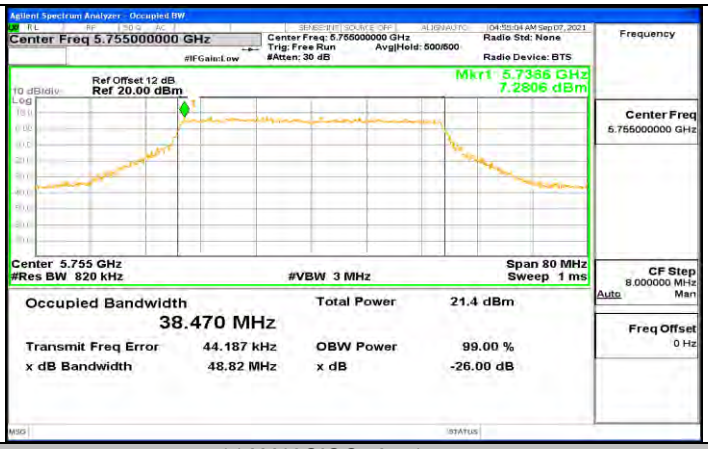

11AX40SISO_Ant1_5550



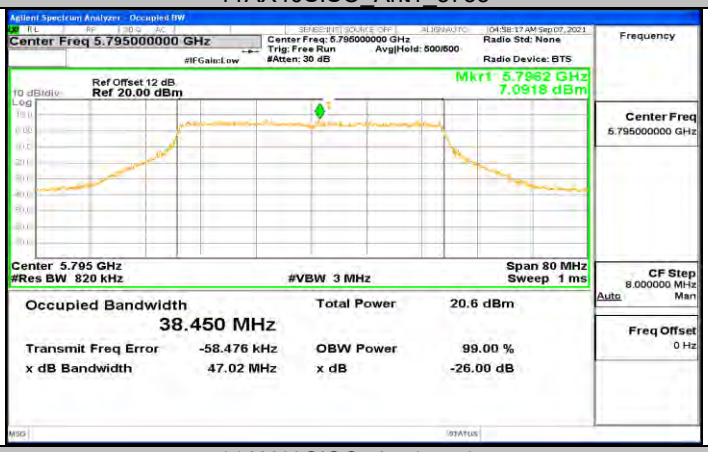

11AX40SISO_Ant1_5670




11AX40SISO_Ant1_5710




11AX40SISO_Ant1_5755



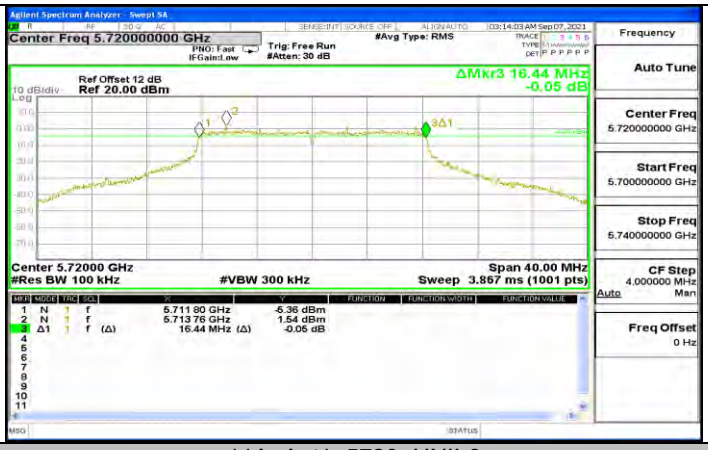

11AX40SISO_Ant1_5795

## 13.3. Appendix A3: Min Emission Bandwidth

### 13.3.1. Test Result

| Test Mode | Antenna | Channel | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5720_UNII-3 | 3.24 | 5725 | 5728.240 | 0.5 | PASS |
| | | 5745 | 16.400 | 5736.840 | 5753.240 | 0.5 | PASS |
| | | 5785 | 16.400 | 5776.800 | 5793.200 | 0.5 | PASS |
| | | 5825 | 16.440 | 5816.800 | 5833.240 | 0.5 | PASS |
| 11N20SISO | Ant1 | 5720_UNII-3 | 3.84 | 5725 | 5728.840 | 0.5 | PASS |
| | | 5745 | 17.640 | 5736.200 | 5753.840 | 0.5 | PASS |
| | | 5785 | 17.640 | 5776.200 | 5793.840 | 0.5 | PASS |
| | | 5825 | 17.360 | 5816.200 | 5833.560 | 0.5 | PASS |
| 11N40SISO | Ant1 | 5710_UNII-3 | 3.24 | 5725 | 5728.240 | 0.5 | PASS |
| | | 5755 | 36.240 | 5736.760 | 5773.000 | 0.5 | PASS |
| | | 5795 | 36.240 | 5776.760 | 5813.000 | 0.5 | PASS |
| 11AX20SISO | Ant1 | 5720_UNII-3 | 4.44 | 5725 | 5729.44 | 0.5 | PASS |
| | | 5745 | 18.960 | 5735.520 | 5754.480 | 0.5 | PASS |
| | | 5785 | 18.960 | 5775.520 | 5794.480 | 0.5 | PASS |
| | | 5825 | 19.040 | 5815.520 | 5834.560 | 0.5 | PASS |
| 11AX40SISO | Ant1 | 5710_UNII-3 | 4.04 | 5725 | 5729.04 | 0.5 | PASS |
| | | 5755 | 38.160 | 5735.880 | 5774.040 | 0.5 | PASS |
| | | 5795 | 38.000 | 5775.960 | 5813.960 | 0.5 | PASS |

### 13.3.2. Test Graphs




11A_Ant1_5720_UNII-3


11A_Ant1_5745


11A_Ant1_5785


11A_Ant1_5825


11N20SISO_Ant1_5720_UNII-3


11N20SISO_Ant1_5745


11N20SISO_Ant1_5785


11N20SISO_Ant1_5825


11N40SISO_Ant1_5710_UNII-3


11N40SISO_Ant1_5755

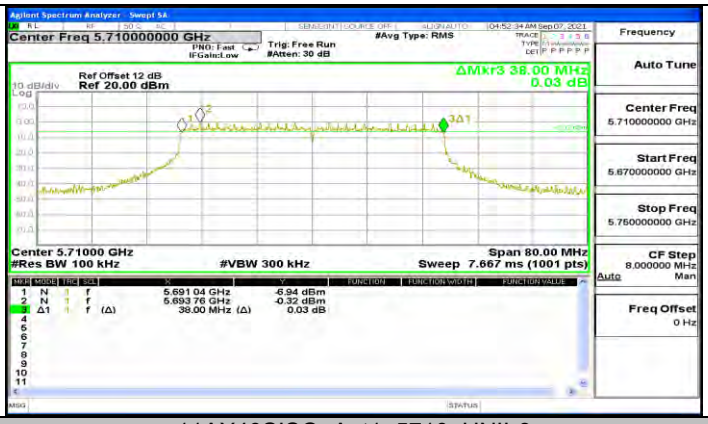

11N40SISO_Ant1_5795


11AX20SISO_Ant1_5720_UNII-3

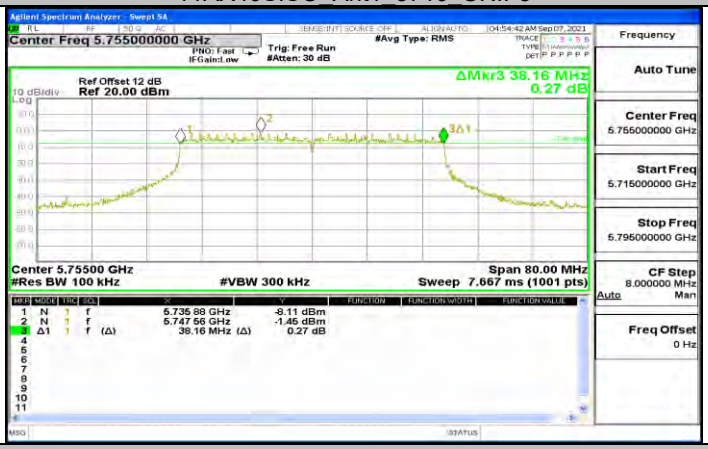

11AX20SISO_Ant1_5745


11AX20SISO_Ant1_5785

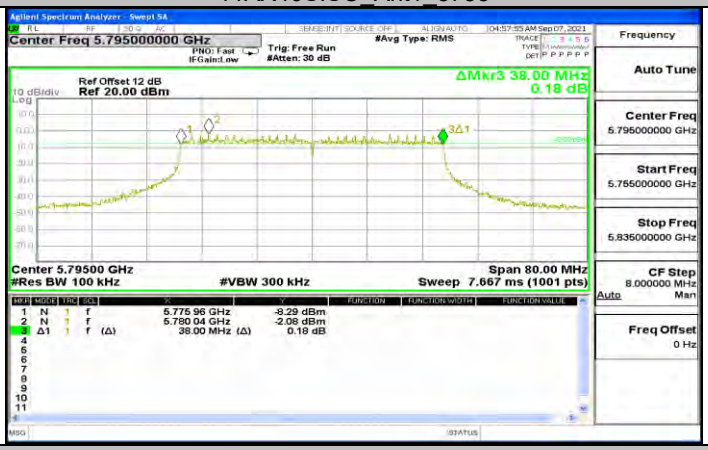

11AX20SISO_Ant1_5825




11AX40SISO_Ant1_5710_UNII-3




11AX40SISO_Ant1_5755




11AX40SISO_Ant1_5795

## 13.4. Appendix B: Maximum Average Conducted Output Power

### 13.4.1. Test Result

| Test Mode | Antenna | Channel | Power [dBm] | FCC Limit [dBm] | ISED Limit [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 11.63 | ≤23.98 | --- | 15.99 | ≤22.55 | PASS |
| | | 5200 | 10.43 | ≤23.98 | --- | 14.79 | ≤22.56 | PASS |
| | | 5240 | 10.17 | ≤23.98 | --- | 14.53 | ≤22.55 | PASS |
| | | 5260 | 10.28 | ≤23.98 | ≤23.55 | 14.64 | ≤29.55 | PASS |
| | | 5280 | 10.06 | ≤23.98 | ≤23.56 | 14.42 | ≤29.56 | PASS |
| | | 5320 | 10.35 | ≤23.98 | ≤23.56 | 14.71 | ≤29.55 | PASS |
| | | 5500 | 14.37 | ≤23.98 | ≤23.57 | 18.73 | ≤29.57 | PASS |
| | | 5580 | 14.45 | ≤23.98 | ≤23.55 | 18.81 | ≤29.55 | PASS |
| | | 5700 | 13.67 | ≤23.98 | ≤23.54 | 18.03 | ≤29.54 | PASS |
| | | 5720_UNII-2C | 12.03 | ≤23.37 | ≤22.49 | 16.39 | ≤28.49 | PASS |
| | | 5720_UNII-3 | 5.99 | ≤30 | ≤30 | 10.35 | --- | PASS |
| | | 5745 | 12.39 | ≤30 | ≤30 | 16.75 | --- | PASS |
| | | 5785 | 11.72 | ≤30 | ≤30 | 16.08 | --- | PASS |
| | | 5825 | 10.64 | ≤30 | ≤30 | 15.00 | --- | PASS |
| 11N20SISO | Ant1 | 5180 | 10.45 | ≤23.98 | --- | 14.81 | ≤22.80 | PASS |
| | | 5200 | 10.23 | ≤23.98 | --- | 14.59 | ≤22.81 | PASS |
| | | 5240 | 10.20 | ≤23.98 | --- | 14.56 | ≤22.81 | PASS |
| | | 5260 | 10.07 | ≤23.98 | ≤23.81 | 14.43 | ≤29.81 | PASS |
| | | 5280 | 9.83 | ≤23.98 | ≤23.82 | 14.19 | ≤29.82 | PASS |
| | | 5320 | 10.36 | ≤23.98 | ≤23.81 | 14.72 | ≤29.81 | PASS |
| | | 5500 | 12.60 | ≤23.98 | ≤23.84 | 16.96 | ≤29.84 | PASS |
| | | 5580 | 12.25 | ≤23.98 | ≤23.83 | 16.61 | ≤29.83 | PASS |
| | | 5700 | 11.18 | ≤23.98 | ≤23.82 | 15.54 | ≤29.82 | PASS |
| | | 5720_UNII-2C | 12.13 | ≤23.44 | ≤22.651 | 16.49 | ≤28.65 | PASS |
| | | 5720_UNII-3 | 6.30 | ≤30 | ≤30 | 10.66 | --- | PASS |
| | | 5745 | 12.69 | ≤30 | ≤30 | 17.05 | --- | PASS |
| | | 5785 | 11.79 | ≤30 | ≤30 | 16.15 | --- | PASS |
| | | 5825 | 10.76 | ≤30 | ≤30 | 15.12 | --- | PASS |
| 11N40SISO | Ant1 | 5190 | 10.60 | ≤23.98 | --- | 14.96 | ≤23 | PASS |
| | | 5230 | 10.32 | ≤23.98 | --- | 14.68 | ≤23 | PASS |
| | | 5270 | 10.20 | ≤23.98 | ≤23.98 | 14.56 | ≤30 | PASS |
| | | 5310 | 10.50 | ≤23.98 | ≤23.98 | 14.86 | ≤30 | PASS |
| | | 5510 | 14.24 | ≤23.98 | ≤23.98 | 18.60 | ≤30 | PASS |
| | | 5550 | 14.63 | ≤23.98 | ≤23.98 | 18.99 | ≤30 | PASS |
| | | 5670 | 14.28 | ≤23.98 | ≤23.98 | 18.64 | ≤30 | PASS |
| | | 5710_UNII-2C | 12.94 | ≤23.98 | ≤23.98 | 17.30 | ≤30 | PASS |
| | | 5710_UNII-3 | 2.47 | ≤30 | ≤30 | 6.83 | --- | PASS |
| | | 5755 | 12.80 | ≤30 | ≤30 | 17.16 | --- | PASS |
| | | 5795 | 11.44 | ≤30 | ≤30 | 15.80 | --- | PASS |
| 11AX20SISO | Ant1 | 5180 | 10.41 | ≤23.98 | --- | 14.77 | ≤22.97 | PASS |
| | | 5200 | 10.47 | ≤23.98 | --- | 14.83 | ≤22.95 | PASS |
| | | 5240 | 10.56 | ≤23.98 | --- | 14.92 | ≤22.93 | PASS |
| | | 5260 | 10.11 | ≤23.98 | ≤23.93 | 14.47 | ≤29.93 | PASS |
| | | 5280 | 10.40 | ≤23.98 | ≤23.95 | 14.76 | ≤29.95 | PASS |
| | | 5320 | 10.65 | ≤23.98 | ≤23.94 | 15.01 | ≤29.94 | PASS |
| | | 5500 | 14.88 | ≤23.98 | ≤23.95 | 19.24 | ≤29.95 | PASS |
| | | 5580 | 14.67 | ≤23.98 | ≤23.93 | 19.03 | ≤29.93 | PASS |
| | | 5700 | 13.95 | ≤23.98 | ≤23.94 | 18.31 | ≤29.95 | PASS |
| | | 5720_UNII-2C | 12.21 | ≤23.98 | ≤22.71 | 16.57 | ≤28.71 | PASS |
| | | 5720_UNII-3 | 7.07 | ≤30 | ≤30 | 11.43 | --- | PASS |
| | | 5745 | 12.82 | ≤30 | ≤30 | 17.18 | --- | PASS |
| | | 5785 | 11.94 | ≤30 | ≤30 | 16.30 | --- | PASS |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 5825 | 11.23 | ≤30 | ≤30 | 15.59 | --- | PASS |
| 11AX40SISO | Ant1 | 5190 | 10.60 | ≤23.98 | --- | 14.96 | ≤23 | PASS |
| | | 5230 | 10.77 | ≤23.98 | --- | 15.13 | ≤23 | PASS |
| | | 5270 | 10.12 | ≤23.98 | ≤23.98 | 14.48 | ≤30 | PASS |
| | | 5310 | 10.62 | ≤23.98 | ≤23.98 | 14.98 | ≤30 | PASS |
| | | 5510 | 14.39 | ≤23.98 | ≤23.98 | 18.75 | ≤30 | PASS |
| | | 5550 | 14.93 | ≤23.98 | ≤23.98 | 19.29 | ≤30 | PASS |
| | | 5670 | 14.63 | ≤23.98 | ≤23.98 | 18.99 | ≤30 | PASS |
| | | 5710_UNII-2C | 13.29 | ≤23.98 | ≤23.98 | 17.65 | ≤30 | PASS |
| | | 5710_UNII-3 | 3.48 | ≤30 | ≤30 | 7.84 | --- | PASS |
| | | 5755 | 12.81 | ≤30 | ≤30 | 17.17 | --- | PASS |
| | | 5795 | 11.84 | ≤30 | ≤30 | 16.20 | --- | PASS |

Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

## 13.5. Appendix C: Maximum Power Spectral Density

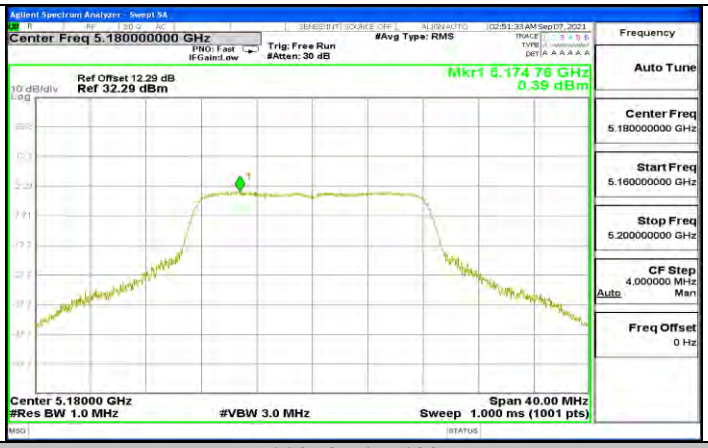
### 13.5.1. Test Result

| Test Mode | Antenna | Channel | Power [dBm/MHz] | Limit [dBm/MHz] | EIRP [dBm/MHz] | Limit [dBm/MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 0.39 | ≤11 | 4.75 | ≤10 | PASS |
| | | 5200 | -0.43 | ≤11 | 3.93 | ≤10 | PASS |
| | | 5240 | 1.67 | ≤11 | 6.03 | ≤10 | PASS |
| | | 5260 | -0.48 | ≤11 | --- | --- | PASS |
| | | 5280 | -0.94 | ≤11 | --- | --- | PASS |
| | | 5320 | -0.71 | ≤11 | --- | --- | PASS |
| | | 5500 | 3.51 | ≤11 | --- | --- | PASS |
| | | 5580 | 3.52 | ≤11 | --- | --- | PASS |
| | | 5700 | 2.72 | ≤11 | --- | --- | PASS |
| | | 5720_UNII-2C | 5.79 | ≤11 | --- | --- | PASS |
| | | 5720_UNII-3 | 0.7 | ≤11 | --- | --- | PASS |
| | | 5745 | -1.14 | ≤30 | --- | --- | PASS |
| | | 5785 | -1.63 | ≤30 | --- | --- | PASS |
| | | 5825 | -2.96 | ≤30 | --- | --- | PASS |
| 11N20SISO | Ant1 | 5180 | -0.81 | ≤11 | 3.55 | ≤10 | PASS |
| | | 5200 | -0.45 | ≤11 | 3.91 | ≤10 | PASS |
| | | 5240 | -1.24 | ≤11 | 3.12 | ≤10 | PASS |
| | | 5260 | -1.13 | ≤11 | --- | --- | PASS |
| | | 5280 | -1.25 | ≤11 | --- | --- | PASS |
| | | 5320 | -0.62 | ≤11 | --- | --- | PASS |
| | | 5500 | 1.13 | ≤11 | --- | --- | PASS |
| | | 5580 | 0.83 | ≤11 | --- | --- | PASS |
| | | 5700 | -0.12 | ≤11 | --- | --- | PASS |
| | | 5720_UNII-2C | 3.41 | ≤11 | --- | --- | PASS |
| | | 5720_UNII-3 | -0.74 | ≤11 | --- | --- | PASS |
| | | 5745 | -1.09 | ≤30 | --- | --- | PASS |
| | | 5785 | -2.06 | ≤30 | --- | --- | PASS |
| | | 5825 | -2.88 | ≤30 | --- | --- | PASS |
| 11N40SISO | Ant1 | 5190 | -3.63 | ≤11 | 0.73 | ≤10 | PASS |
| | | 5230 | -4 | ≤11 | 0.36 | ≤10 | PASS |
| | | 5270 | -3.98 | ≤11 | --- | --- | PASS |
| | | 5310 | -3.46 | ≤11 | --- | --- | PASS |
| | | 5510 | 0.57 | ≤11 | --- | --- | PASS |
| | | 5550 | 0.55 | ≤11 | --- | --- | PASS |
| | | 5670 | 0.18 | ≤11 | --- | --- | PASS |
| | | 5710_UNII-2C | 1.67 | ≤11 | --- | --- | PASS |
| | | 5710_UNII-3 | -5.83 | ≤11 | --- | --- | PASS |
| | | 5755 | -4.35 | ≤30 | --- | --- | PASS |
| | | 5795 | -5.47 | ≤30 | --- | --- | PASS |
| 11AX20SISO | Ant1 | 5180 | -0.96 | ≤11 | 3.40 | ≤10 | PASS |
| | | 5200 | -0.79 | ≤11 | 3.57 | ≤10 | PASS |
| | | 5240 | -0.72 | ≤11 | 3.64 | ≤10 | PASS |
| | | 5260 | -0.49 | ≤11 | --- | --- | PASS |
| | | 5280 | -0.64 | ≤11 | --- | --- | PASS |
| | | 5320 | -0.84 | ≤11 | --- | --- | PASS |
| | | 5500 | 3.38 | ≤11 | --- | --- | PASS |
| | | 5580 | 3.31 | ≤11 | --- | --- | PASS |
| | | 5700 | 2.3 | ≤11 | --- | --- | PASS |
| | | 5720_UNII-2C | 2.05 | ≤11 | --- | --- | PASS |
| | | 5720_UNII-3 | -1.17 | ≤11 | --- | --- | PASS |
| | | 5745 | -0.7 | ≤30 | --- | --- | PASS |
| | | 5785 | -2.17 | ≤30 | --- | --- | PASS |
| | | 5825 | -3.29 | ≤30 | --- | --- | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11AX40SISO | Ant1 | 5190 | -3.91 | ≤11 | 0.45 | ≤10 | PASS |
| | | 5230 | -3.61 | ≤11 | 0.75 | ≤10 | PASS |
| | | 5270 | -4.09 | ≤11 | --- | --- | PASS |
| | | 5310 | -4.28 | ≤11 | --- | --- | PASS |
| | | 5510 | 0.06 | ≤11 | --- | --- | PASS |
| | | 5550 | 0.6 | ≤11 | --- | --- | PASS |
| | | 5670 | 0.14 | ≤11 | --- | --- | PASS |
| | | 5710_UNII-2C | -0.83 | ≤11 | --- | --- | PASS |
| | | 5710_UNII-3 | -5.36 | ≤11 | --- | --- | PASS |
| | | 5755 | -3.89 | ≤30 | --- | --- | PASS |
| | | 5795 | -4.86 | ≤30 | --- | --- | PASS |

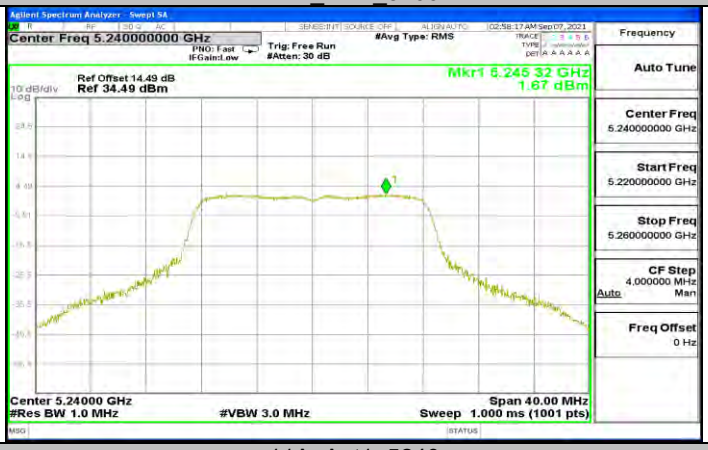
Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

### 13.5.2. Test Graphs

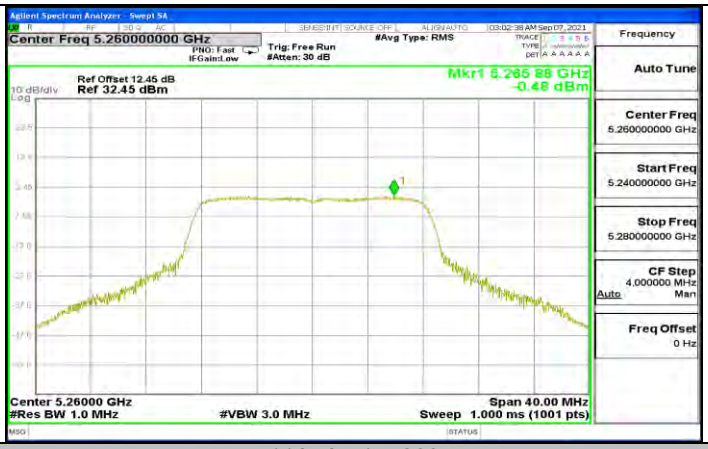



11A_Ant1_5180

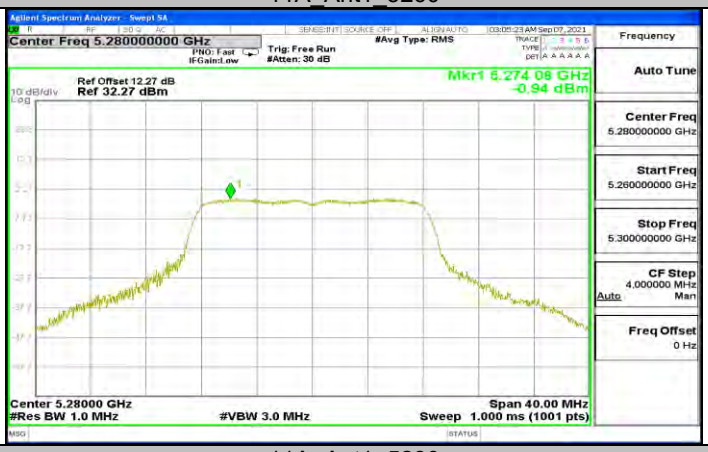

11A_Ant1_5200



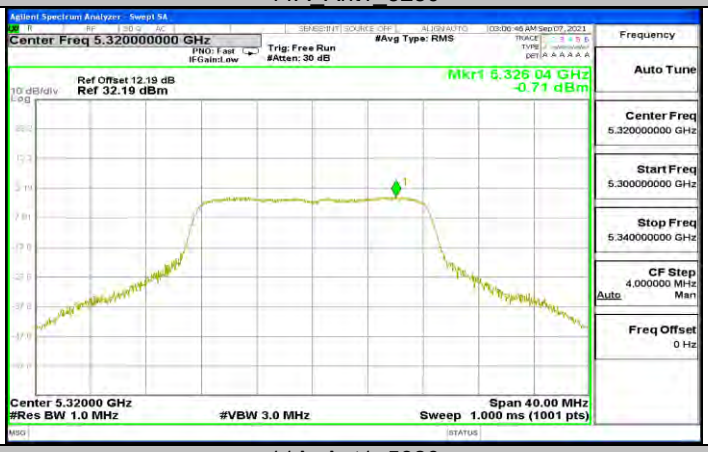

11A_Ant1_5240




11A_Ant1_5260

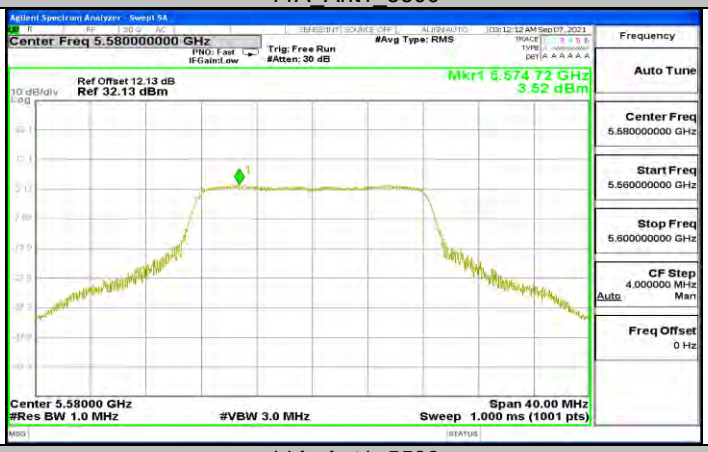



11A_Ant1_5280

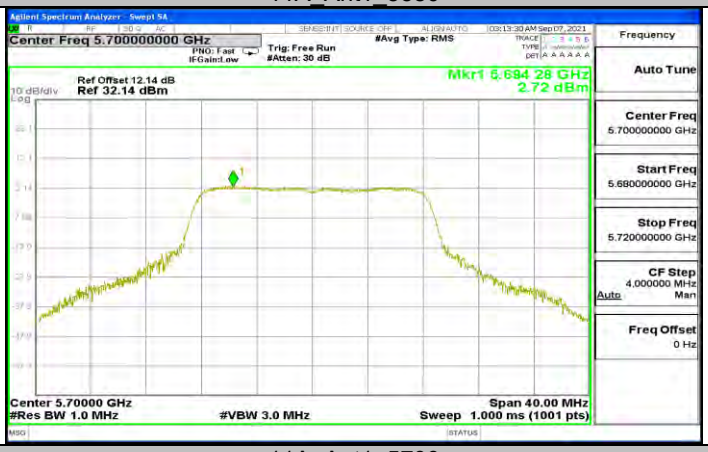



11A_Ant1_5320

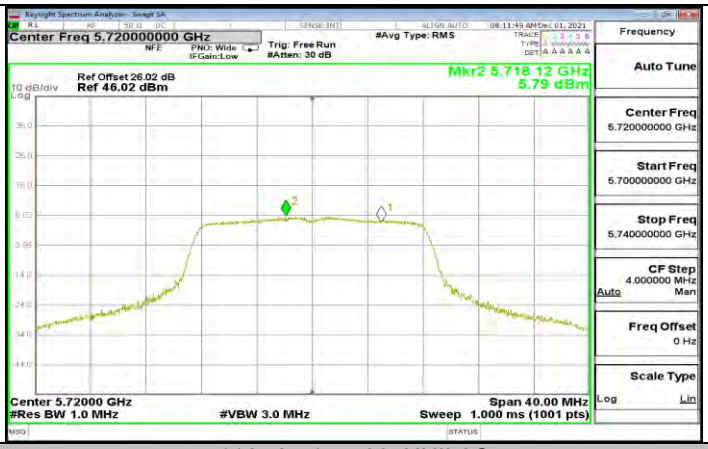

11A_Ant1_5500



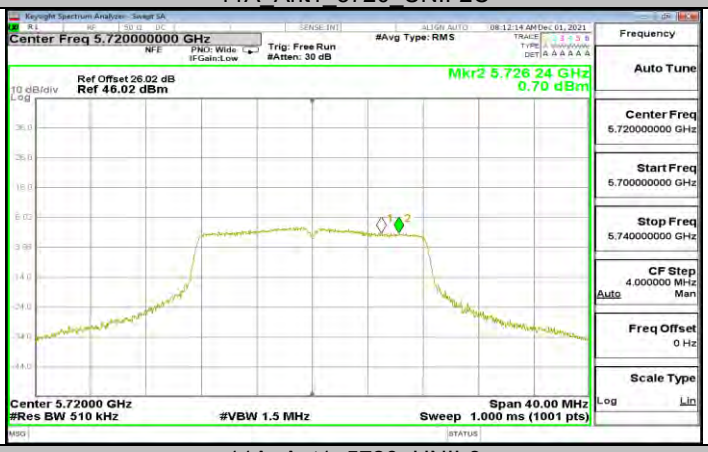

11A_Ant1_5580



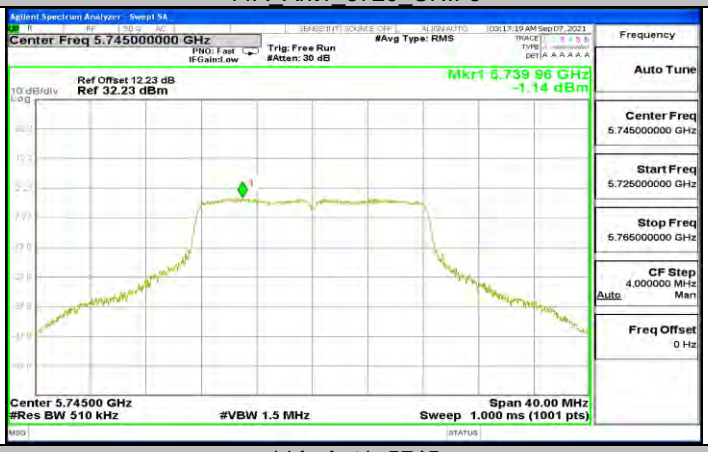

11A_Ant1_5700



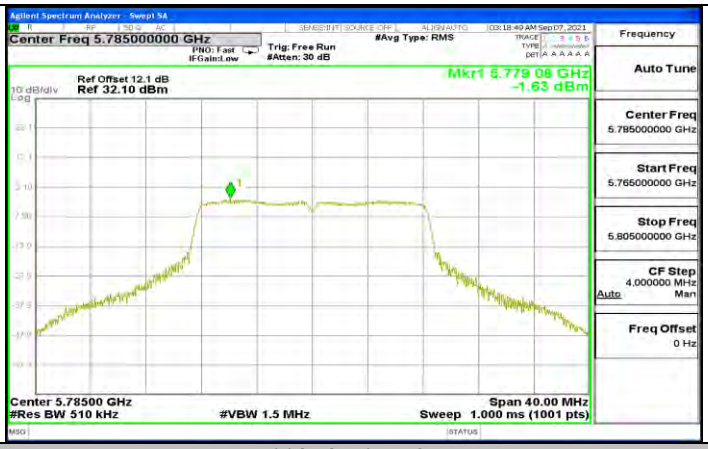

11A_Ant1_5720_UNII-2C



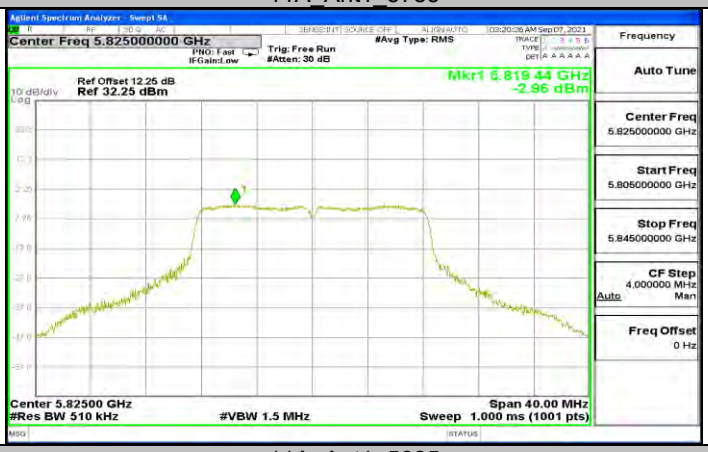

11A_Ant1_5720_UNII-3



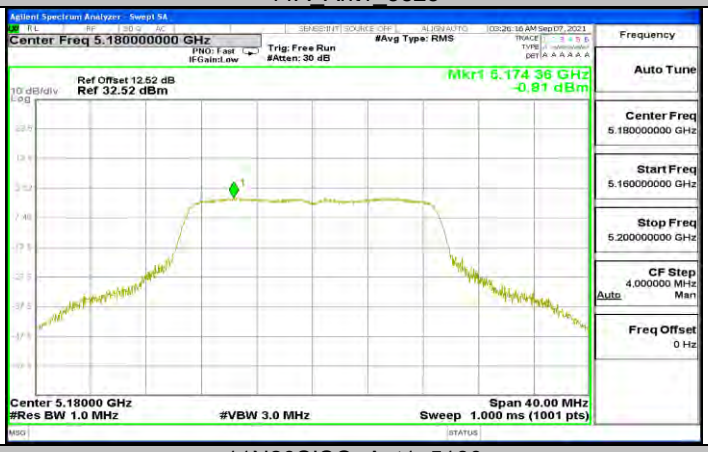

11A_Ant1_5745



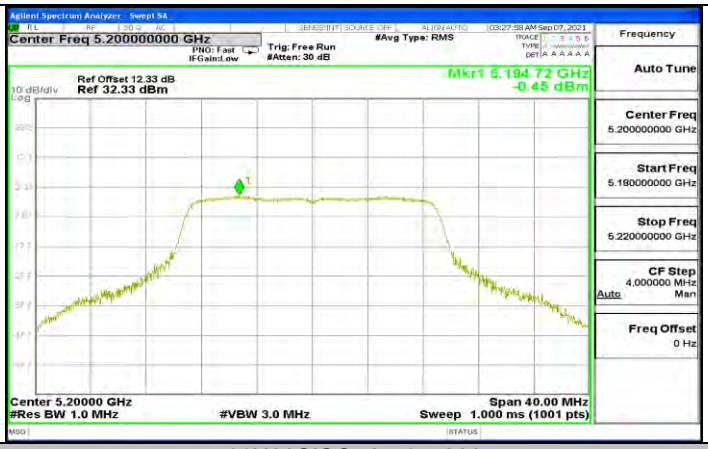

11A_Ant1_5785



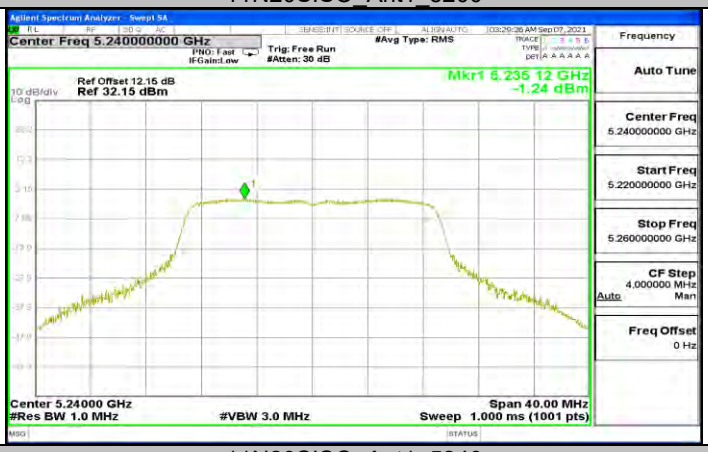

11A_Ant1_5825



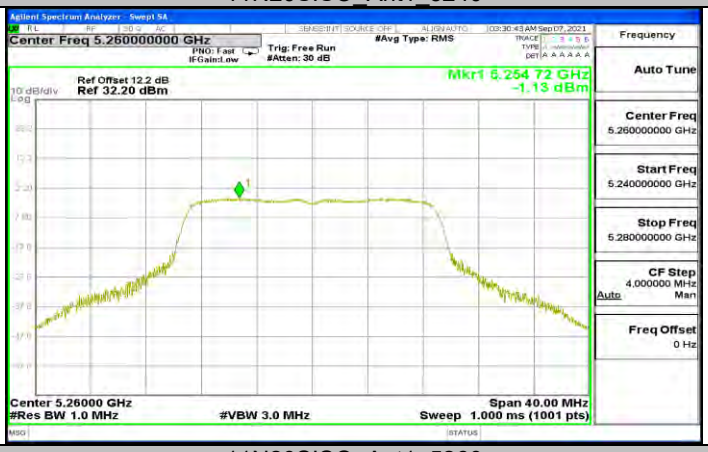

11N20SISO_Ant1_5180




11N20SISO_Ant1_5200

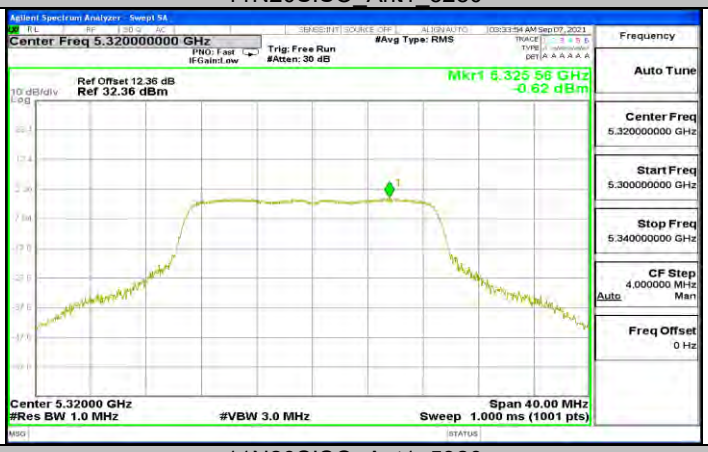



11N20SISO_Ant1_5240

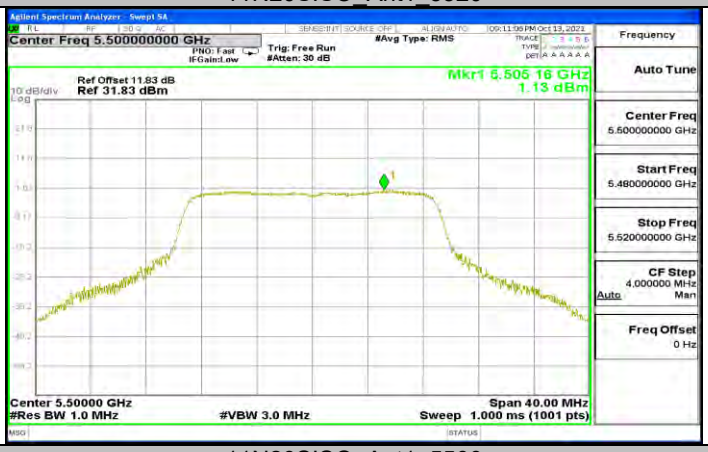



11N20SISO_Ant1_5260

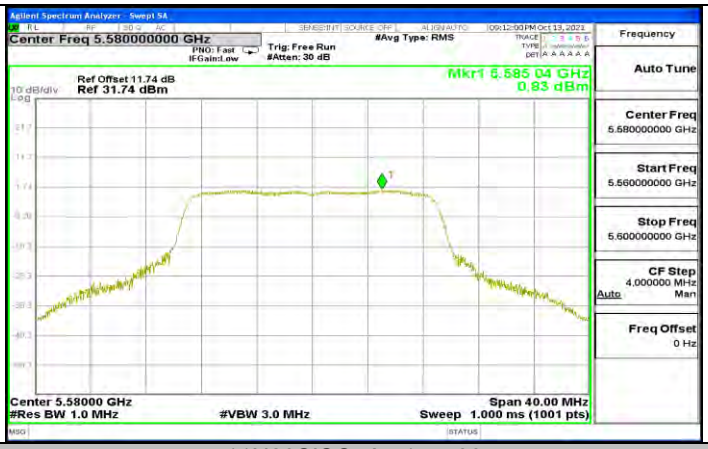

11N20SISO_Ant1_5280




11N20SISO_Ant1_5320

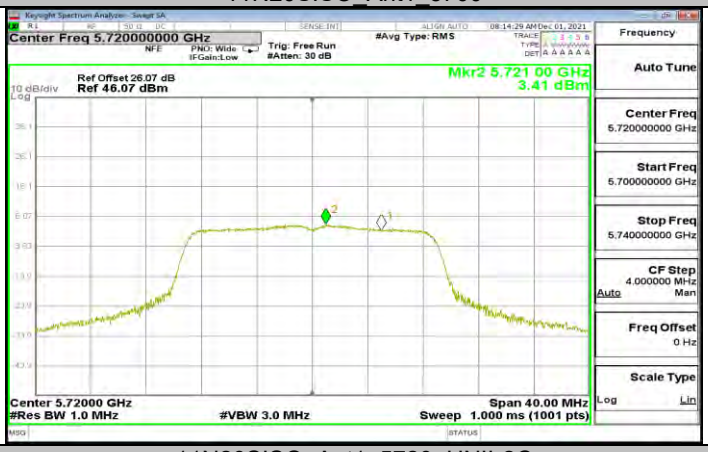



11N20SISO_Ant1_5500

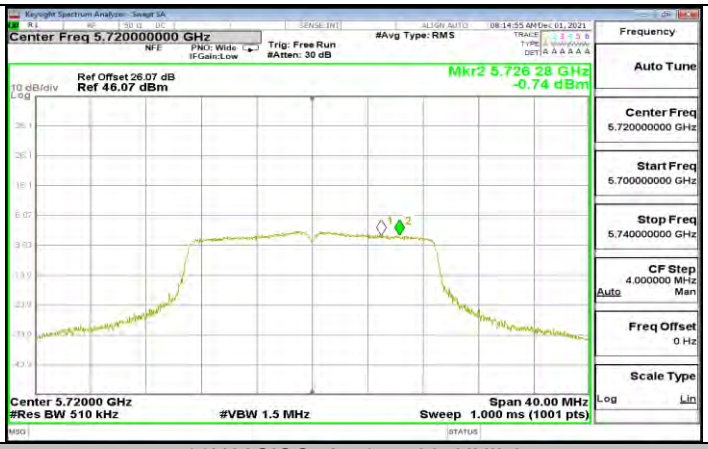



11N20SISO_Ant1_5580


11N20SISO_Ant1_5700

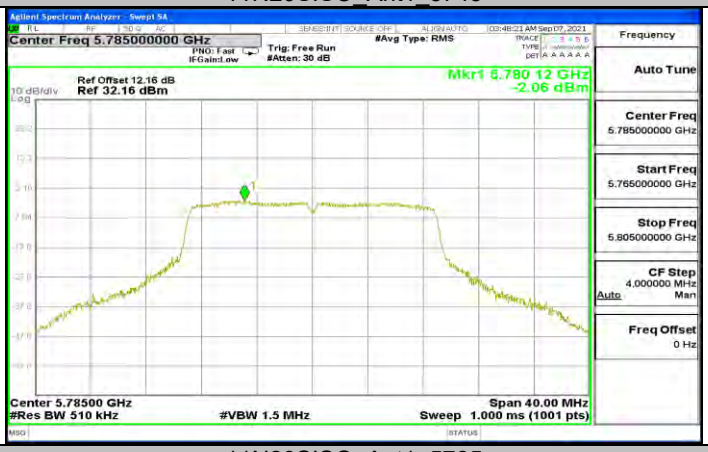



11N20SISO_Ant1_5720_UNII-2C

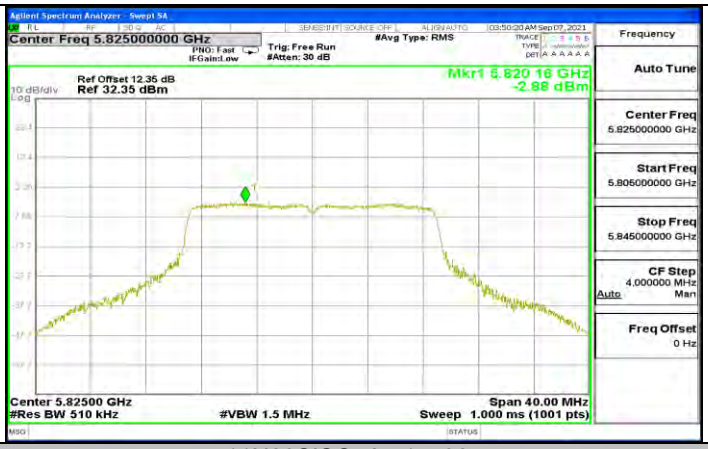



11N20SISO_Ant1_5720_UNII-3

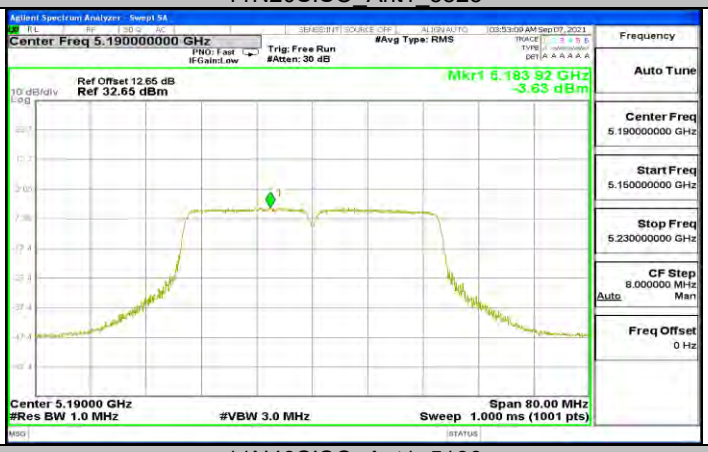

11N20SISO_Ant1_5745



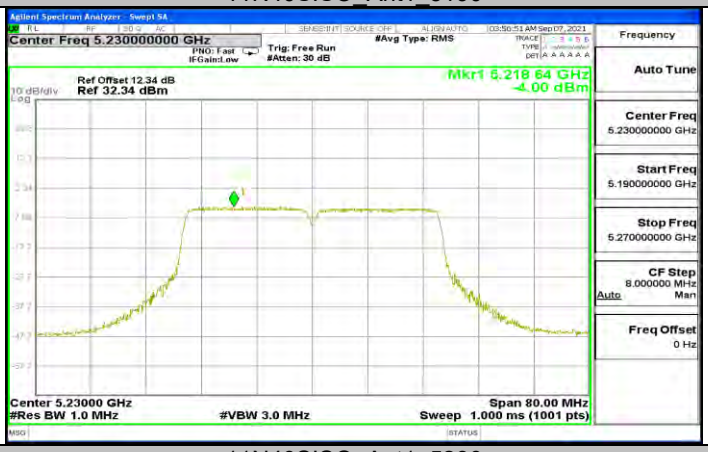

11N20SISO_Ant1_5785



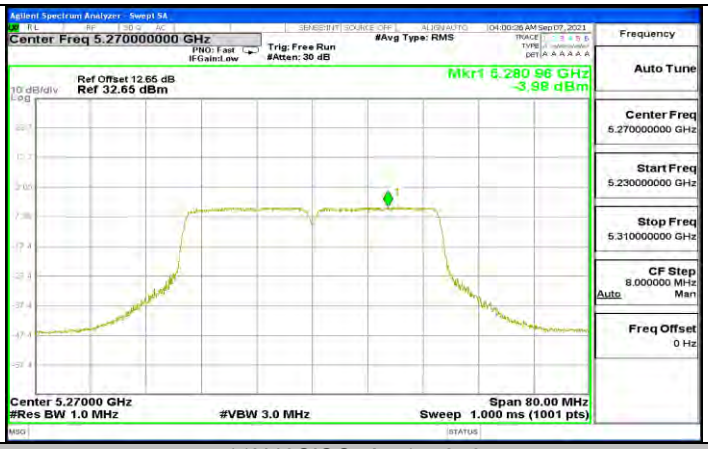

11N20SISO_Ant1_5825



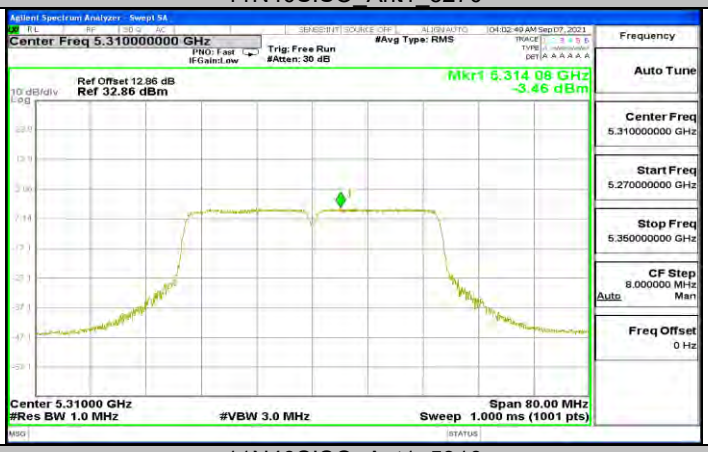

11N40SISO_Ant1_5190



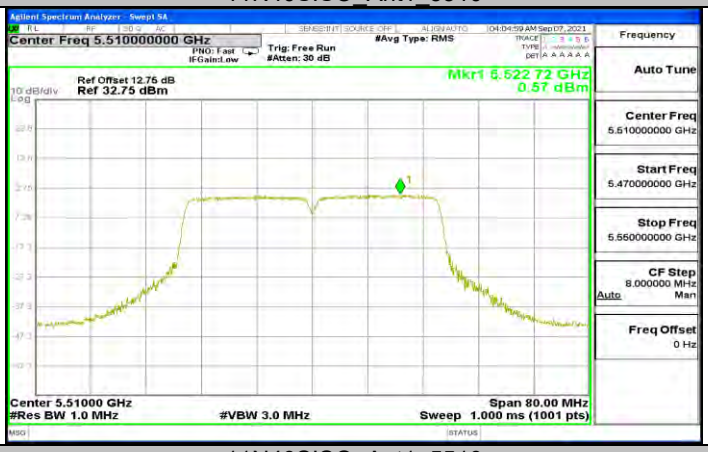

11N40SISO_Ant1_5230



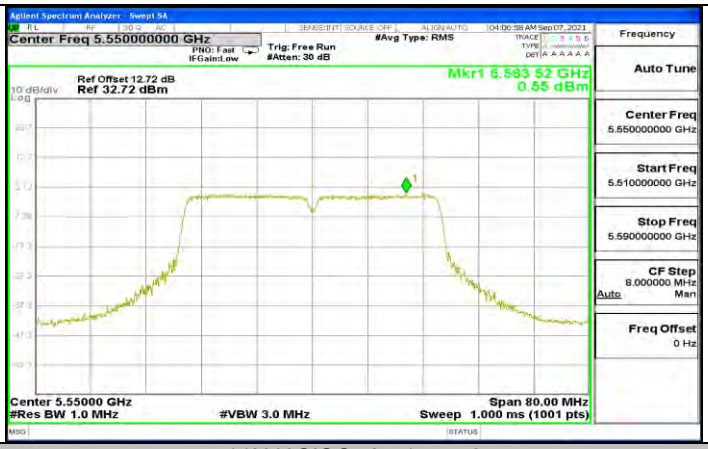

11N40SISO_Ant1_5270



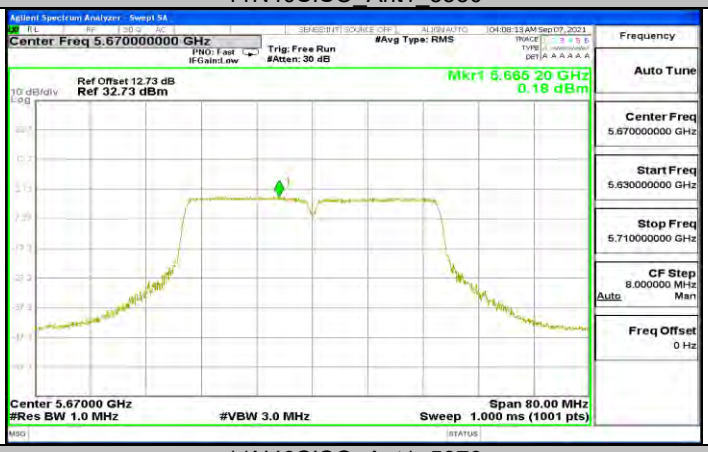

11N40SISO_Ant1_5310



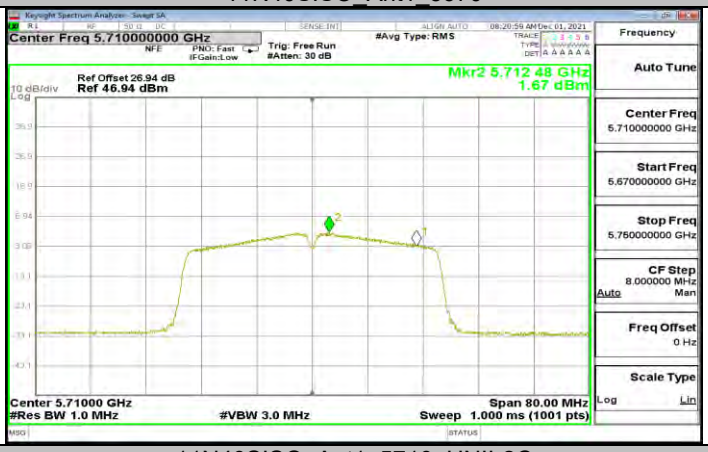

11N40SISO_Ant1_5510




11N40SISO_Ant1_5550

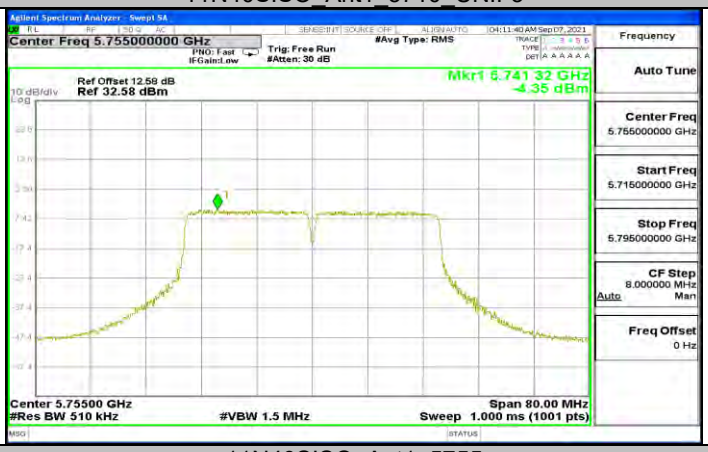



11N40SISO_Ant1_5670

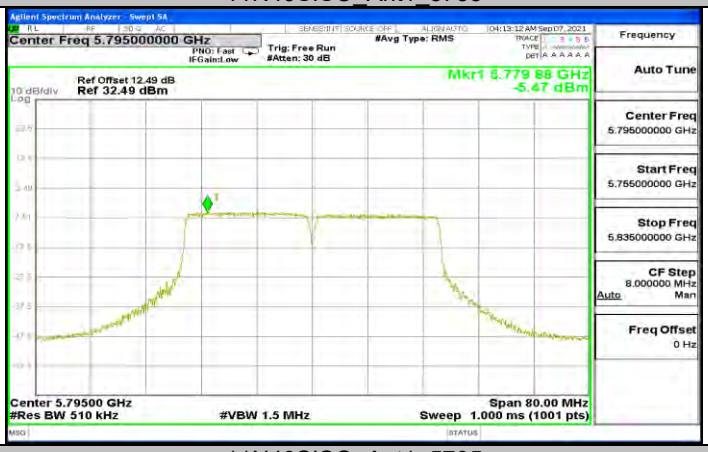



11N40SISO_Ant1_5710_UNII-2C

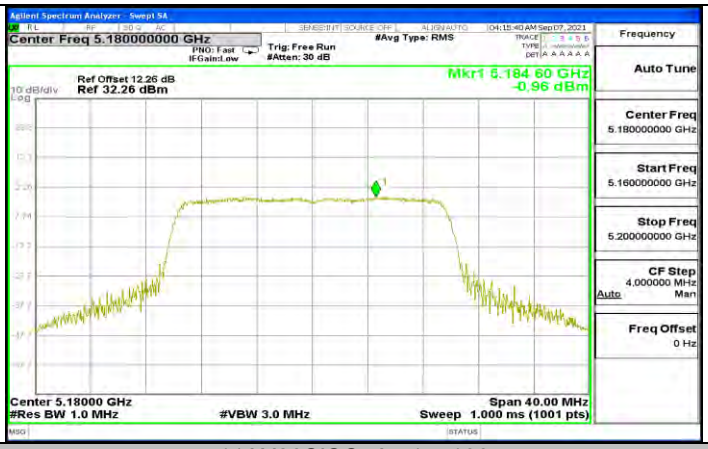

11N40SISO_Ant1_5710_UNII-3



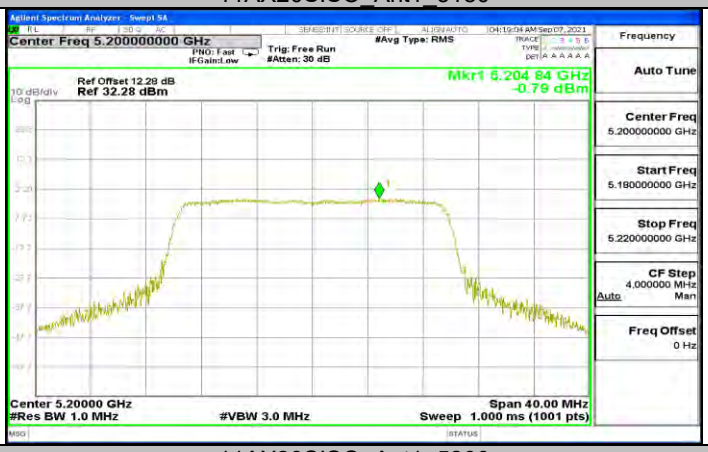

11N40SISO_Ant1_5755



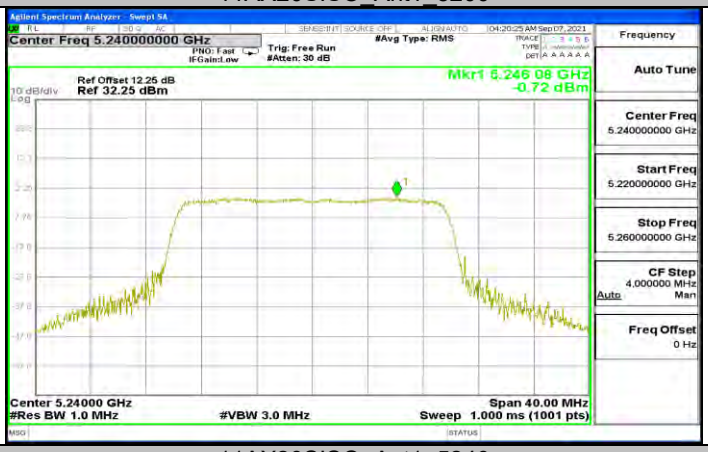

11N40SISO_Ant1_5795



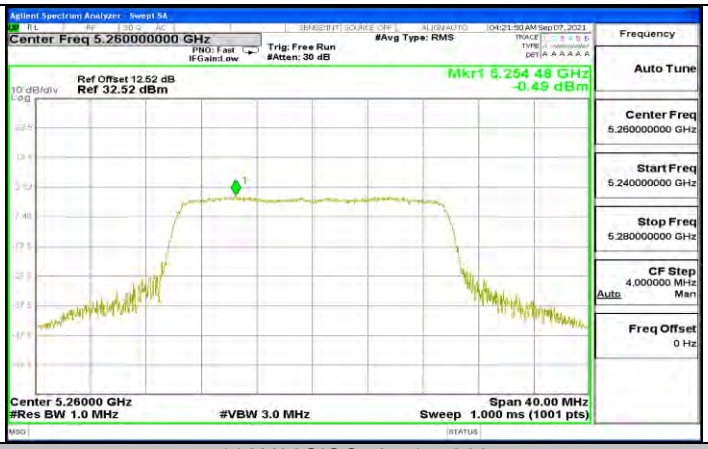

11AX20SISO_Ant1_5180



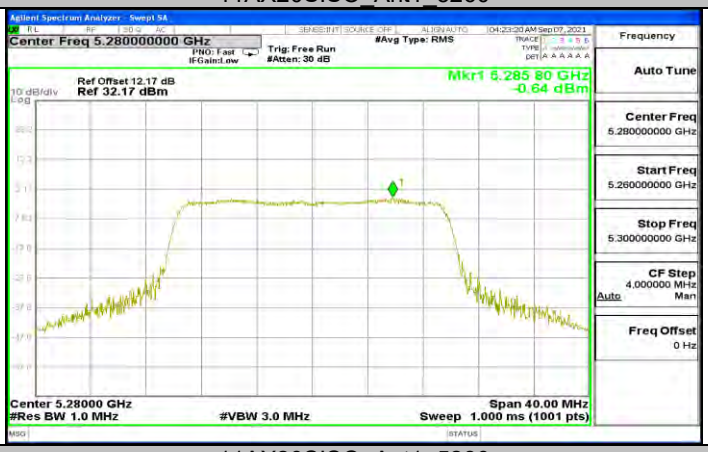

11AX20SISO_Ant1_5200



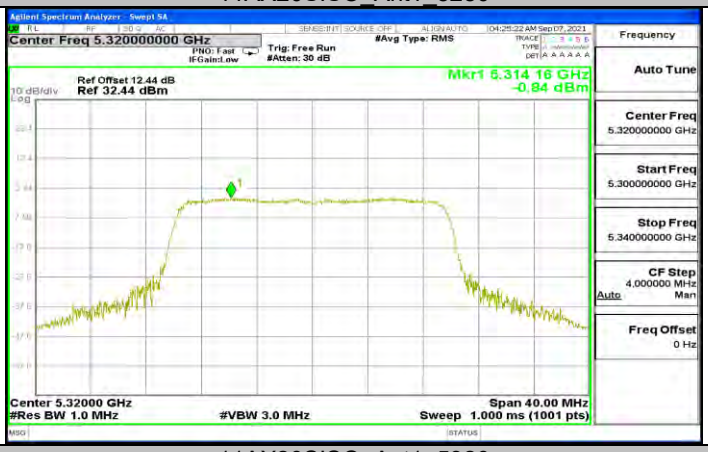

11AX20SISO_Ant1_5240



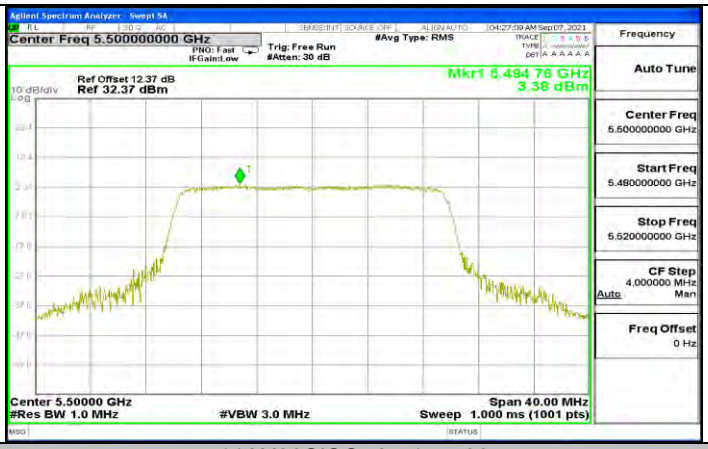

11AX20SISO_Ant1_5260



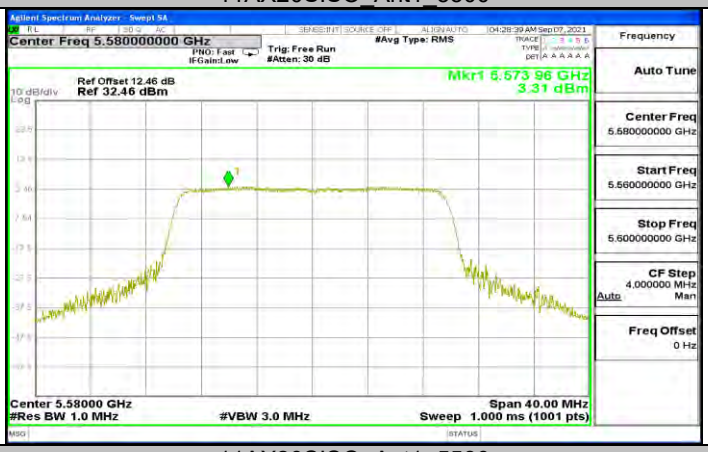

11AX20SISO_Ant1_5280



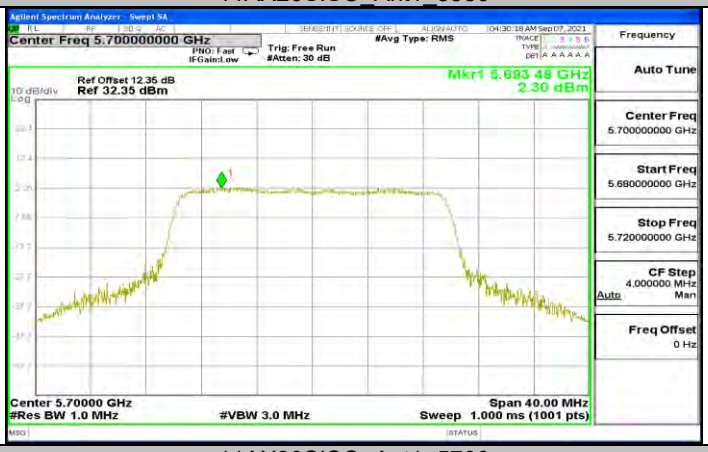

11AX20SISO_Ant1_5320



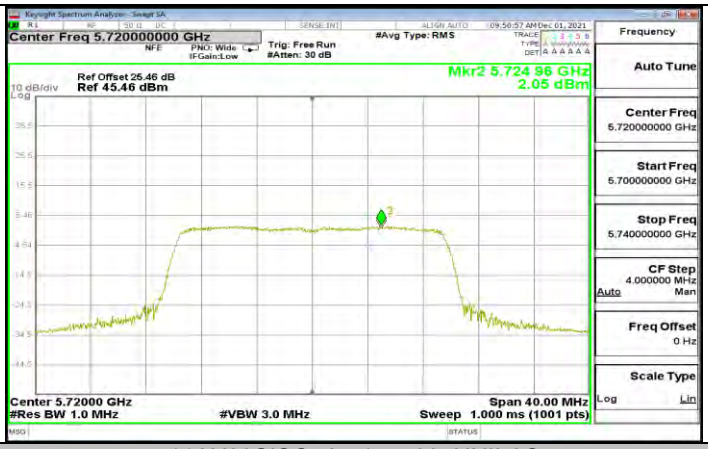

11AX20SISO_Ant1_5500




11AX20SISO_Ant1_5580

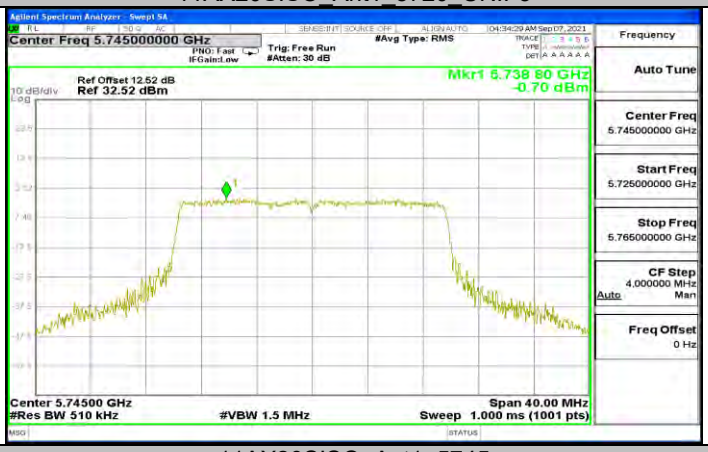



11AX20SISO_Ant1_5700

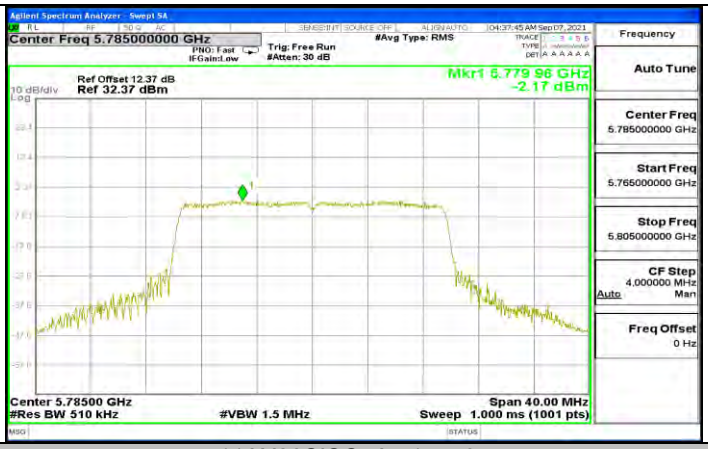



11AX20SISO_Ant1_5720_UNII-2C

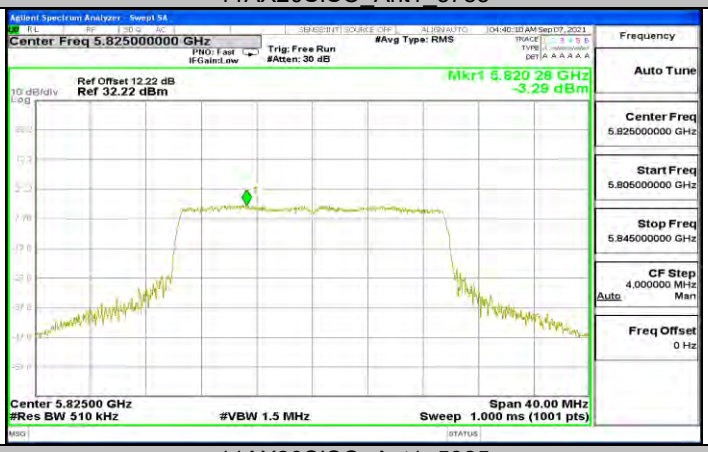

11AX20SISO_Ant1_5720_UNII-3



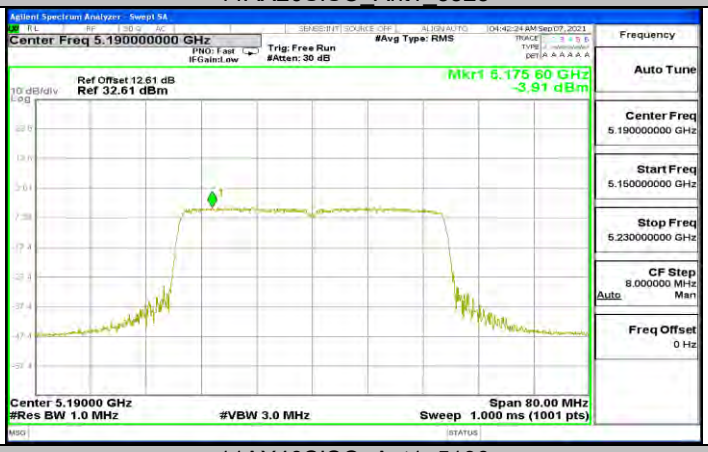

11AX20SISO_Ant1_5745



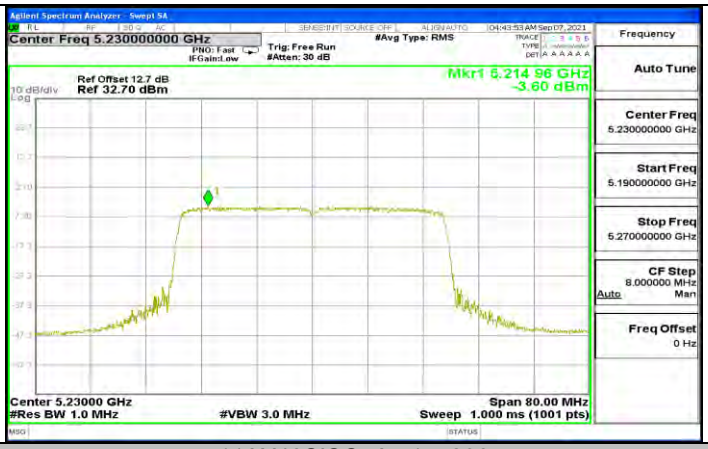

11AX20SISO_Ant1_5785



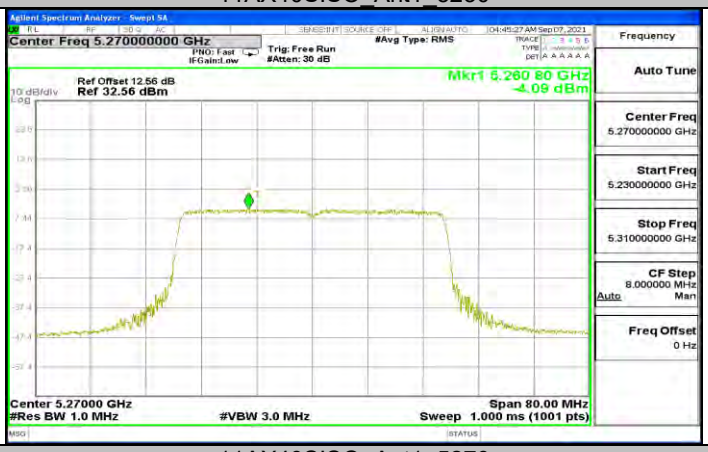

11AX20SISO_Ant1_5825



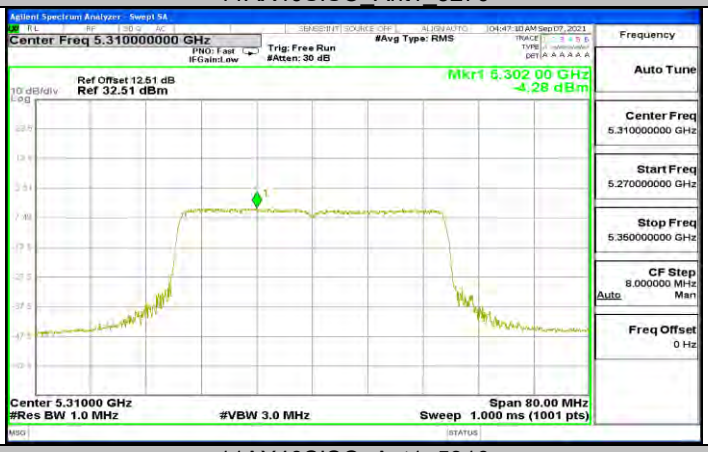

11AX40SISO_Ant1_5190



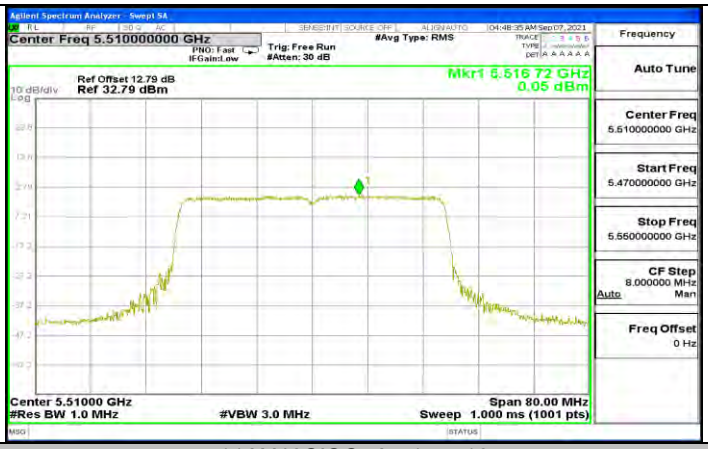

11AX40SISO_Ant1_5230



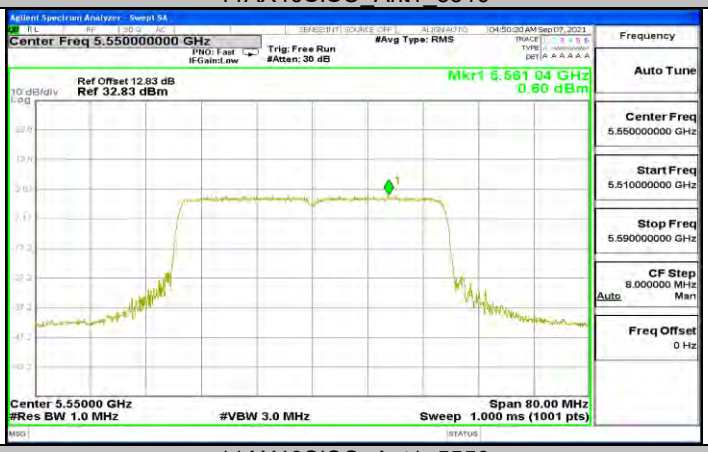

11AX40SISO_Ant1_5270



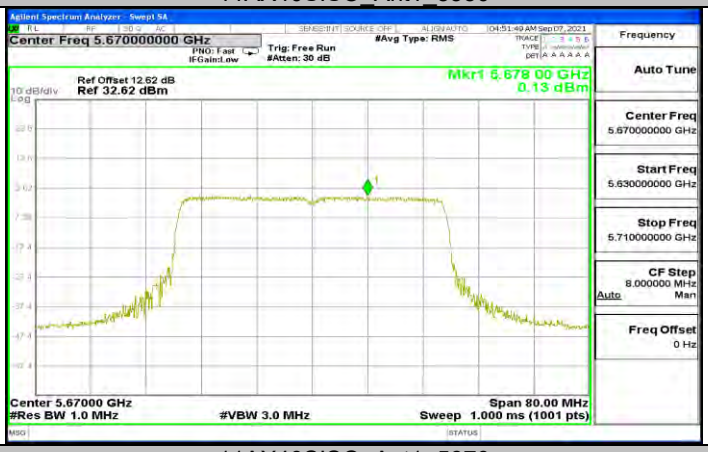

11AX40SISO_Ant1_5310



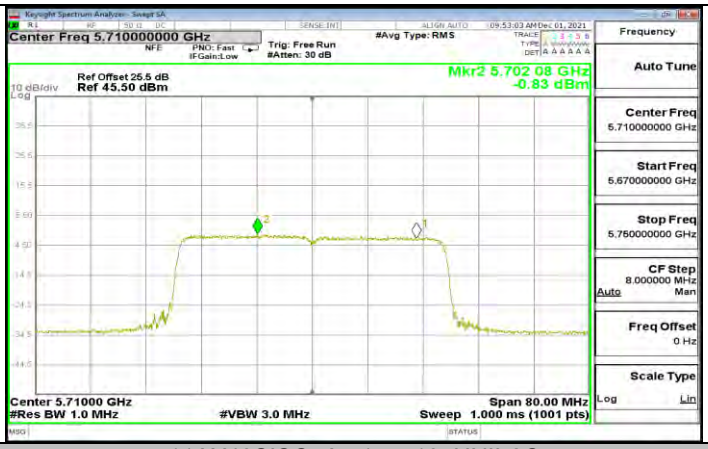

11AX40SISO_Ant1_5510



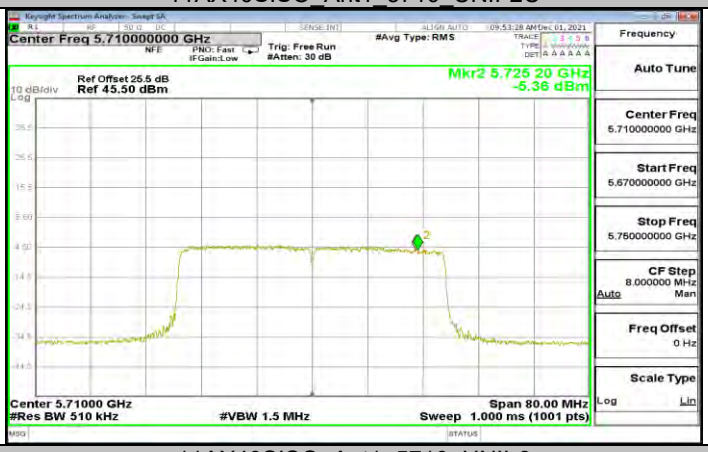

11AX40SISO_Ant1_5550



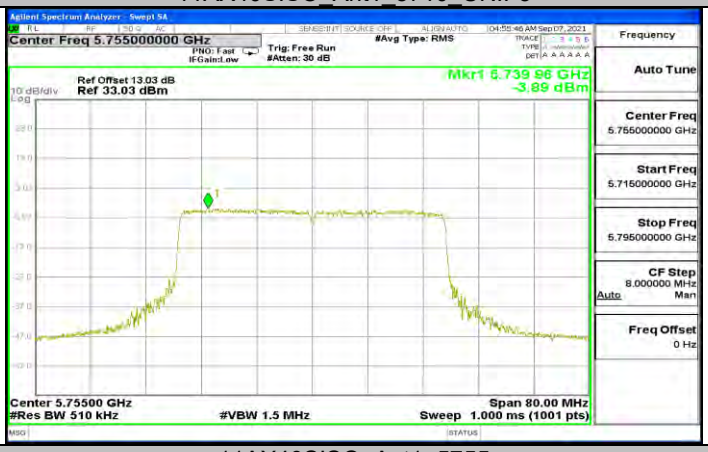

11AX40SISO_Ant1_5670



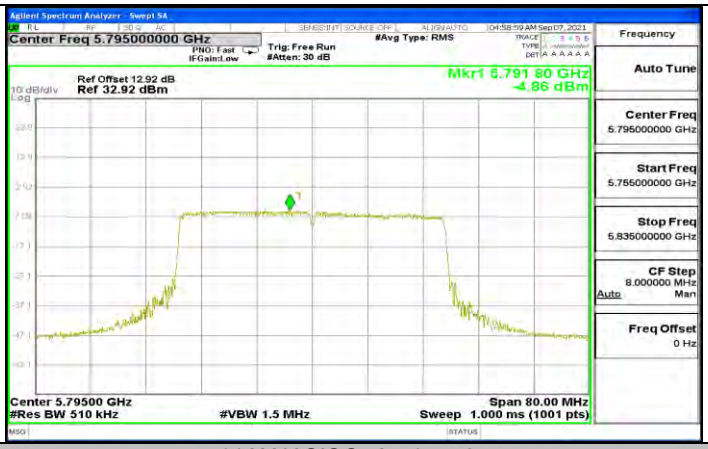

11AX40SISO_Ant1_5710_UNII-2C




11AX40SISO_Ant1_5710_UNII-3




11AX40SISO_Ant1_5755




11AX40SISO_Ant1_5795

## 13.6. Appendix D: Duty Cycle

### 13.6.1. Test Result

| Test Mode | On Time (msec) | Period (msec) | Duty Cycle x (Linear) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T Minimum VBW (kHz) | Final setting For VBW (kHz) |
|---|---|---|---|---|---|---|---|
| 11A | 2.03 | 2.17 | 0.9355 | 93.55 | 0.29 | 0.49 | 0.5 |
| 11N20SISO | 1.89 | 2.13 | 0.8873 | 88.73 | 0.52 | 0.53 | 1 |
| 11N40SISO | 0.93 | 1.08 | 0.8611 | 86.11 | 0.65 | 1.08 | 2 |
| 11AX20SISO | 1.45 | 1.54 | 0.9416 | 94.16 | 0.26 | 0.69 | 1 |
| 11AX40SISO | 0.74 | 0.86 | 0.8605 | 86.05 | 0.65 | 1.35 | 2 |

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

### 13.6.2. Test Graphs


11A_Ant1_5180


11N20SISO_Ant1_5180


11N40SISO_Ant1_5190


11AX20SISO_Ant1_5180


11AX40SISO_Ant1_5190

## 13.7. Appendix E: Frequency Stability

### 13.7.1. Test Result

| Frequency Error vs. Voltage | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 802.11a20: 5200MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| TN | VL | 5199.9983 | -0.32 | 5200.0035 | 0.68 | 5200.0072 | 1.38 | 5200.0119 | 2.28 |
| TN | VN | 5199.9909 | -1.75 | 5199.9909 | -1.74 | 5200.0149 | 2.86 | 5199.9868 | -2.53 |
| TN | VH | 5200.0090 | 1.72 | 5199.9979 | -0.40 | 5200.0171 | 3.29 | 5200.0076 | 1.47 |
| Frequency Error vs. Temperature | | | | | | | | | |
| 802.11a20: 5200MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| 40 | VN | 5199.9783 | -4.17 | 5200.0239 | 4.59 | 5200.0041 | 0.79 | 5200.0243 | 4.67 |
| 30 | VN | 5200.0066 | 1.27 | 5200.0127 | 2.44 | 5199.9897 | -1.99 | 5199.9896 | -1.99 |
| 20 | VN | 5199.9772 | -4.39 | 5199.9789 | -4.05 | 5200.0069 | 1.32 | 5199.9983 | -0.33 |
| 10 | VN | 5199.9862 | -2.65 | 5199.9858 | -2.72 | 5199.9797 | -3.90 | 5200.0025 | 0.47 |
| 0 | VN | 5199.9845 | -2.98 | 5199.9852 | -2.85 | 5199.9927 | -1.40 | 5200.0101 | 1.93 |

| Frequency Error vs. Voltage | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 802.11a: 5825MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| TN | VL | 5824.9876 | -2.13 | 5824.9842 | -2.72 | 5825.0197 | 3.38 | 5824.9841 | -2.73 |
| TN | VN | 5825.0153 | 2.63 | 5825.0107 | 1.84 | 5825.0107 | 1.84 | 5825.0112 | 1.93 |
| TN | VH | 5825.0159 | 2.72 | 5825.0052 | 0.88 | 5825.0136 | 2.33 | 5825.0094 | 1.61 |
| Frequency Error vs. Temperature | | | | | | | | | |
| 802.11a:5825MHz | | | | | | | | | |
| Temp. | Volt. | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| | | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| 70 | VN | 5825.0057 | 0.98 | 5824.9866 | -2.29 | 5825.0205 | 3.53 | 5824.9997 | -0.05 |
| 60 | VN | 5824.9837 | -2.81 | 5824.9862 | -2.36 | 5825.0025 | 0.42 | 5824.9826 | -2.98 |
| 50 | VN | 5824.9920 | -1.38 | 5824.9843 | -2.69 | 5825.0044 | 0.75 | 5824.9901 | -1.71 |
| 40 | VN | 5825.0062 | 1.06 | 5824.9790 | -3.60 | 5825.0021 | 0.35 | 5825.0223 | 3.83 |
| 30 | VN | 5825.0004 | 0.06 | 5825.0229 | 3.93 | 5824.9775 | -3.87 | 5825.0110 | 1.88 |
| 20 | VN | 5825.0001 | 0.02 | 5825.0165 | 2.84 | 5824.9838 | -2.78 | 5824.9968 | -0.54 |
| 10 | VN | 5825.0205 | 3.52 | 5824.9915 | -1.46 | 5825.0125 | 2.15 | 5825.0128 | 2.20 |
| 0 | VN | 5824.9847 | -2.62 | 5825.0074 | 1.27 | 5824.9908 | -1.57 | 5824.9922 | -1.34 |

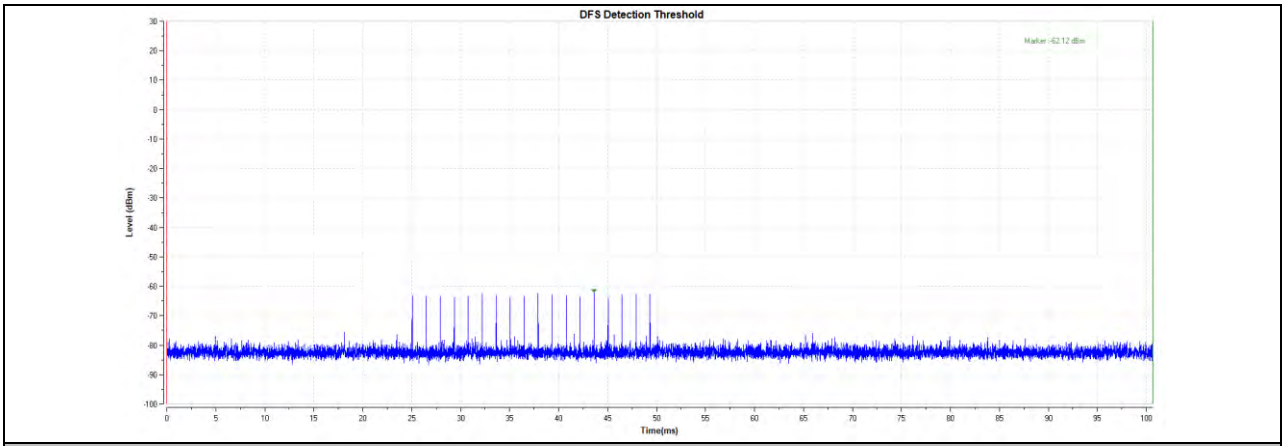
Note: All antennas and test modes have been tested, only the worst data record in the report.

## 13.8. Appendix F: Dynamic Frequency Selection

Radar Signal Test Result

| Test Mode | Channel | Radar Type | Result | Limit[dbm] | Verdict |
|---|---|---|---|---|---|
| 11AX40SISO | 5510 | Type0 | -62.12 | -57.64 | PASS |

Radar Signal Test Graphs

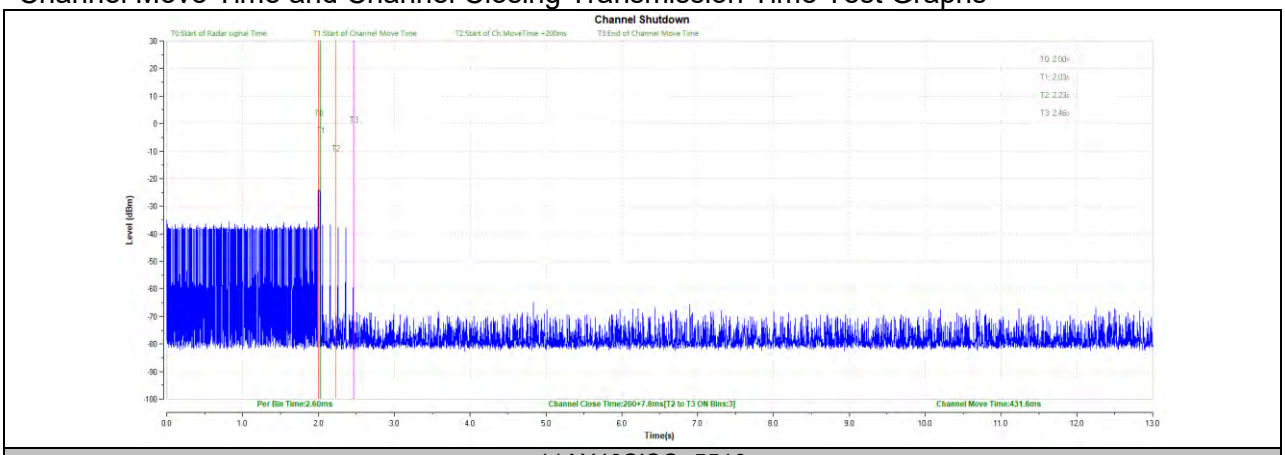



11AX40SISO_5510_Type0

Channel Move Time and Channel Closing Transmission Time Test Result

| Test Mode | Channel | CCT[ms] | Limit[ms] | CMT[ms] | Limit[ms] | Verdict |
|---|---|---|---|---|---|---|
| 11AX40SISO | 5510 | 200+7.8 | 200+60 | 431.6 | 10000 | PASS |

Channel Move Time and Channel Closing Transmission Time Test Graphs

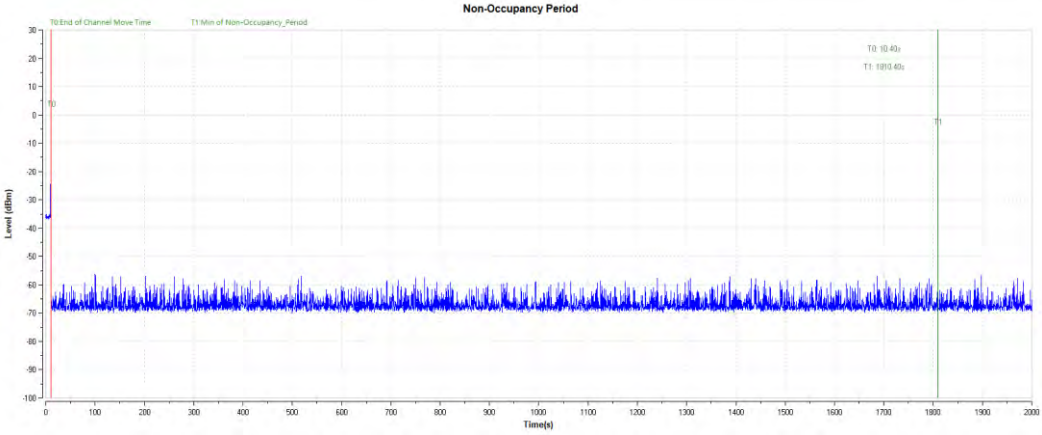



11AX40SISO_5510

Non-Occupancy Period Test Result

| Test Mode | Channel | Result | Limit[s] | Verdict |
|---|---|---|---|---|
| 11AX40SISO | 5510 | see test graph | ≥1800 | PASS |

Non-Occupancy Test Graphs




11AX40SISO_5510

**END OF REPORT**