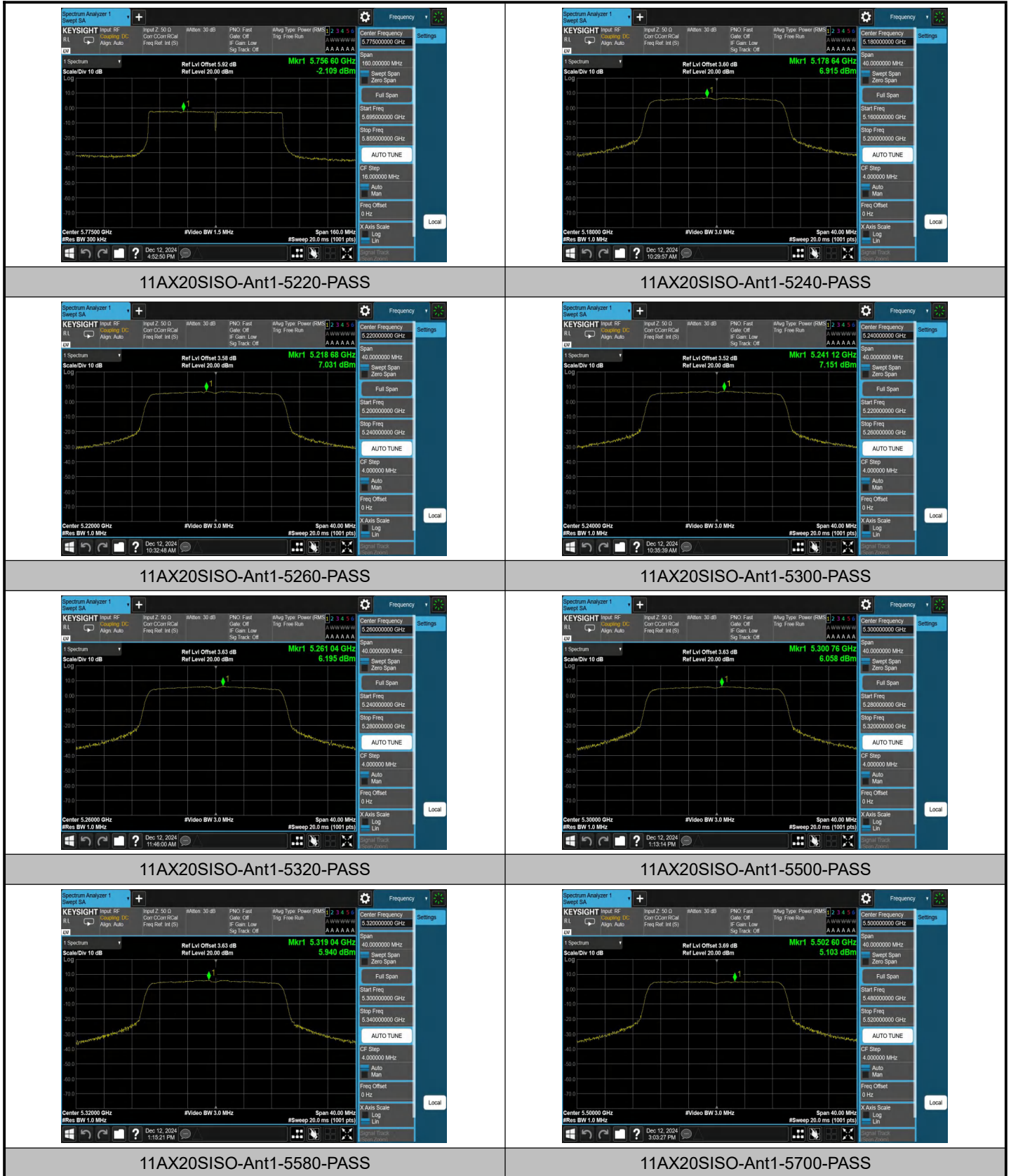
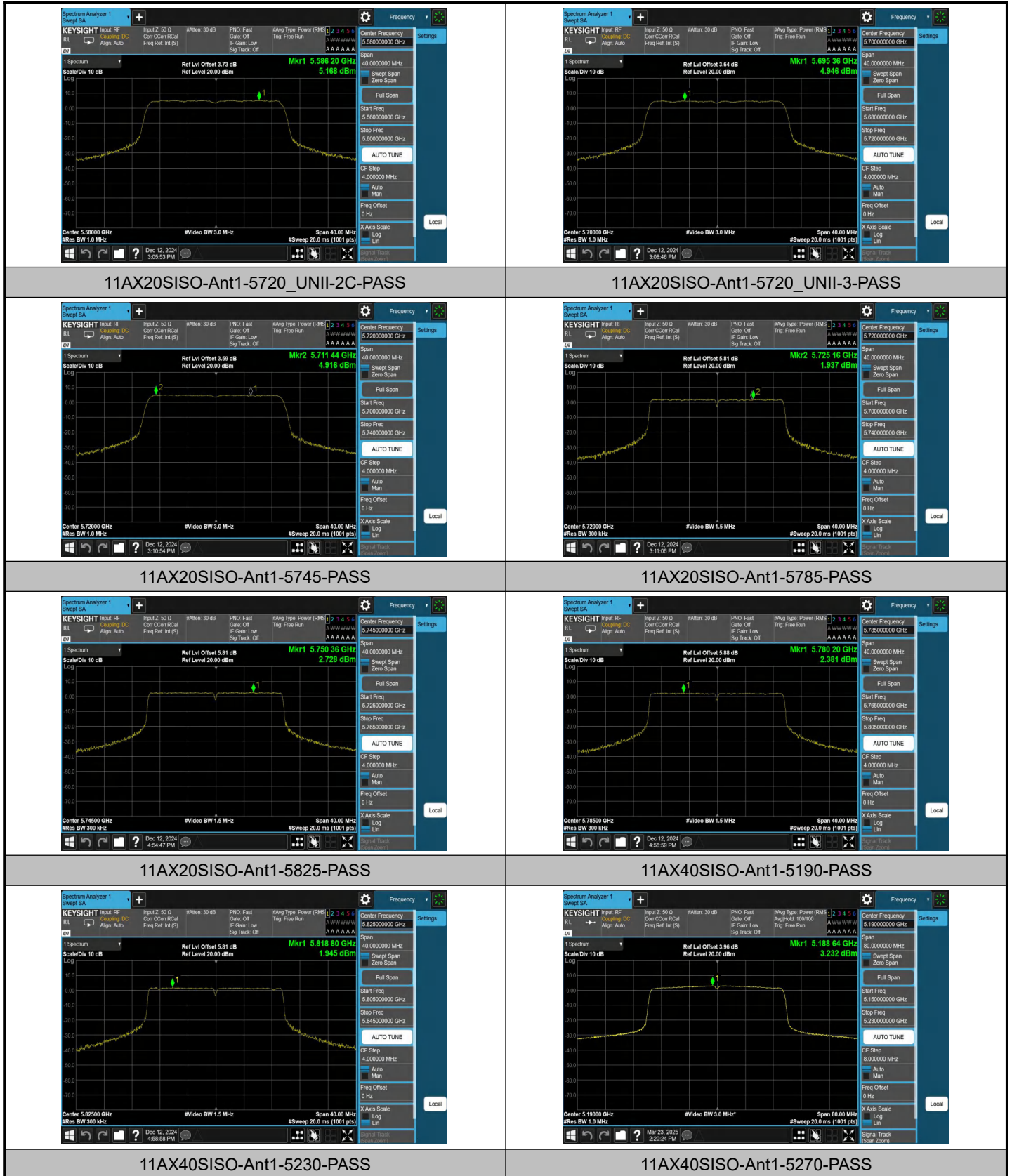
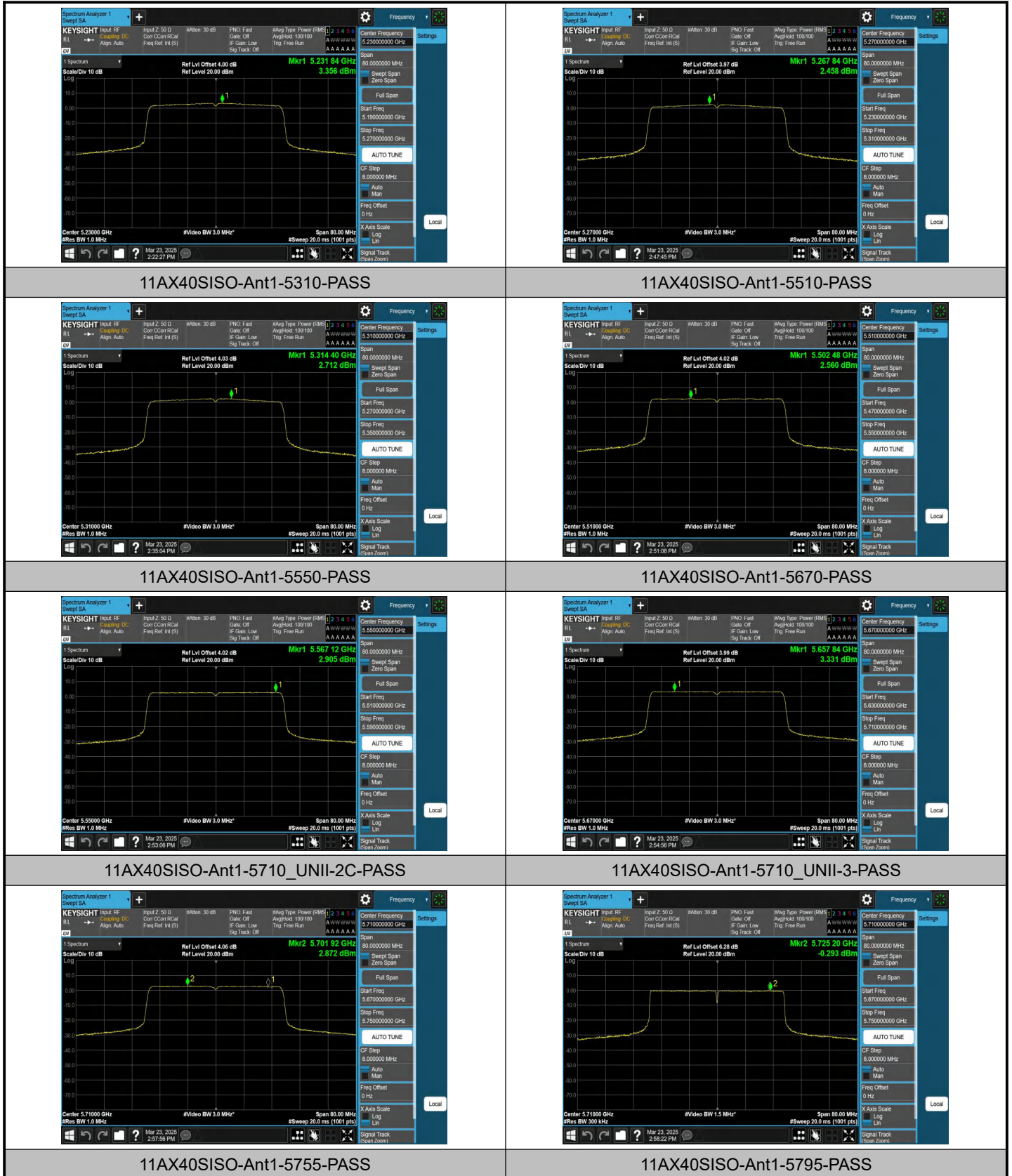
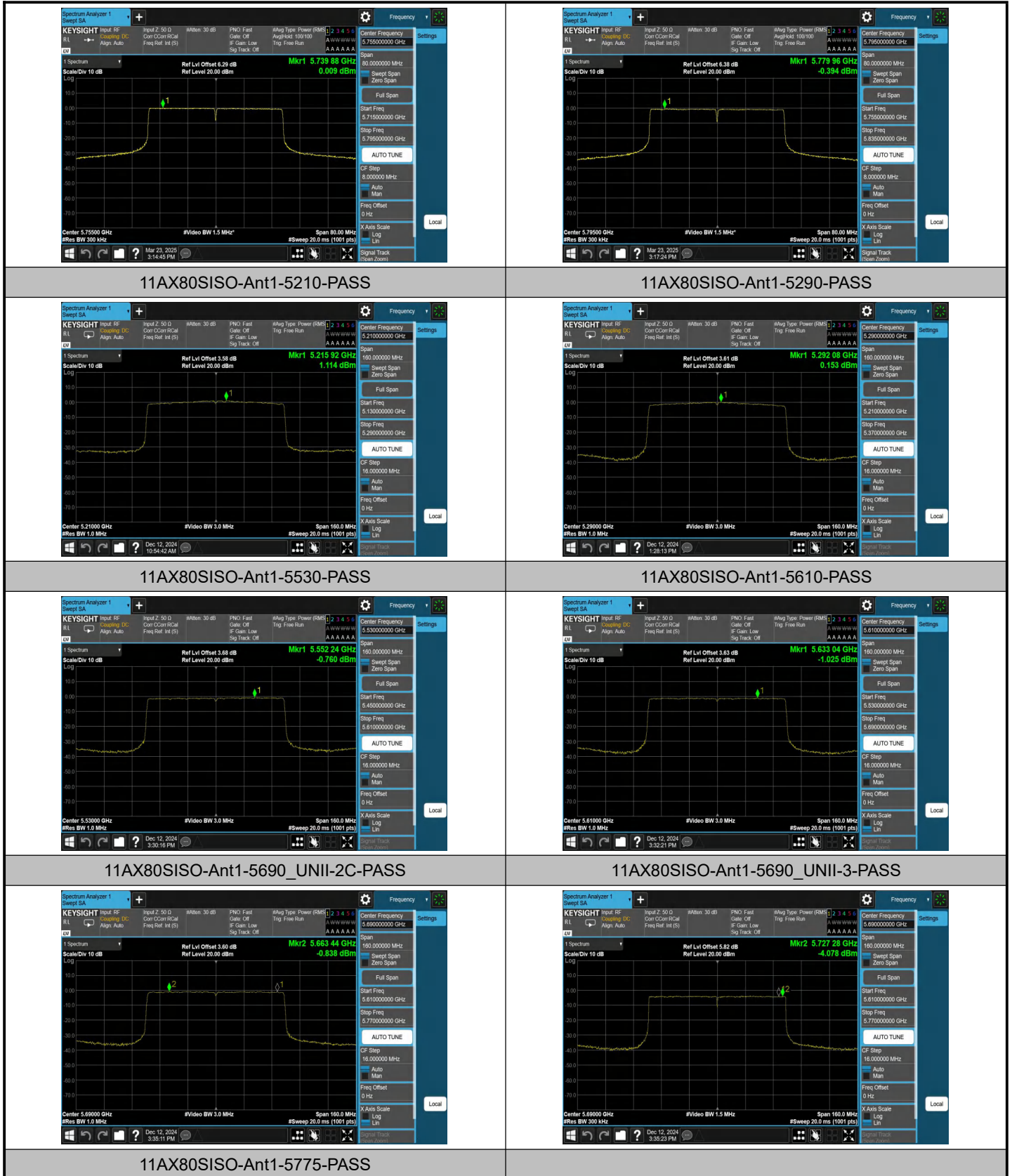
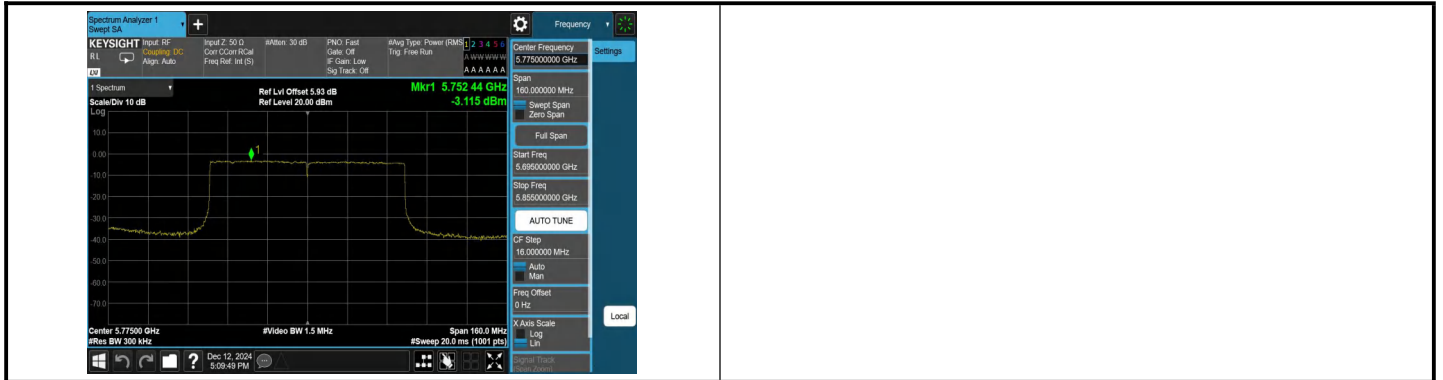












## A.4 Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period[ms] | Duty Cycle [%] |
|-----------|---------|----------------|----------------------------|-------------------------|----------------|
| 11A       | Ant1    | 5180           | 1.39                       | 1.56                    | 89.10          |
| 11A       | Ant1    | 5220           | 1.40                       | 1.62                    | 86.42          |
| 11A       | Ant1    | 5240           | 1.40                       | 1.52                    | 92.11          |
| 11A       | Ant1    | 5260           | 1.40                       | 1.53                    | 91.50          |
| 11A       | Ant1    | 5300           | 1.40                       | 1.61                    | 86.96          |
| 11A       | Ant1    | 5320           | 1.40                       | 1.57                    | 89.17          |
| 11A       | Ant1    | 5500           | 1.40                       | 1.63                    | 85.89          |
| 11A       | Ant1    | 5580           | 1.39                       | 1.51                    | 92.05          |
| 11A       | Ant1    | 5700           | 1.40                       | 1.87                    | 74.87          |
| 11A       | Ant1    | 5720           | 1.40                       | 1.60                    | 87.50          |
| 11A       | Ant1    | 5745           | 1.40                       | 1.54                    | 90.91          |
| 11A       | Ant1    | 5785           | 1.40                       | 1.55                    | 90.32          |
| 11A       | Ant1    | 5825           | 1.39                       | 1.54                    | 90.26          |
| 11N20SISO | Ant1    | 5180           | 5.09                       | 5.25                    | 96.95          |
| 11N20SISO | Ant1    | 5220           | 5.09                       | 5.23                    | 97.32          |
| 11N20SISO | Ant1    | 5240           | 5.08                       | 5.29                    | 96.03          |
| 11N20SISO | Ant1    | 5260           | 5.09                       | 5.31                    | 95.86          |
| 11N20SISO | Ant1    | 5300           | 5.09                       | 5.21                    | 97.70          |
| 11N20SISO | Ant1    | 5320           | 5.09                       | 5.33                    | 95.50          |
| 11N20SISO | Ant1    | 5500           | 5.08                       | 5.32                    | 95.49          |
| 11N20SISO | Ant1    | 5580           | 5.08                       | 5.45                    | 93.21          |
| 11N20SISO | Ant1    | 5700           | 5.09                       | 5.20                    | 97.88          |
| 11N20SISO | Ant1    | 5720           | 5.09                       | 5.54                    | 91.88          |
| 11N20SISO | Ant1    | 5745           | 5.09                       | 5.22                    | 97.51          |
| 11N20SISO | Ant1    | 5785           | 5.09                       | 5.20                    | 97.88          |
| 11N20SISO | Ant1    | 5825           | 5.09                       | 5.21                    | 97.70          |
| 11N40SISO | Ant1    | 5190           | 4.89                       | 5.06                    | 96.64          |
| 11N40SISO | Ant1    | 5230           | 4.89                       | 5.07                    | 96.45          |
| 11N40SISO | Ant1    | 5270           | 4.90                       | 5.04                    | 97.22          |
| 11N40SISO | Ant1    | 5310           | 4.90                       | 5.10                    | 96.08          |
| 11N40SISO | Ant1    | 5510           | 4.89                       | 5.06                    | 96.64          |
| 11N40SISO | Ant1    | 5550           | 4.89                       | 5.11                    | 95.69          |
| 11N40SISO | Ant1    | 5670           | 4.90                       | 5.01                    | 97.80          |
| 11N40SISO | Ant1    | 5710           | 4.89                       | 5.03                    | 97.22          |
| 11N40SISO | Ant1    | 5755           | 4.90                       | 5.02                    | 97.61          |

|            |      |      |      |      |       |
|------------|------|------|------|------|-------|
| 11N40SISO  | Ant1 | 5795 | 4.89 | 5.03 | 97.22 |
| 11AC20SISO | Ant1 | 5180 | 5.10 | 5.22 | 97.70 |
| 11AC20SISO | Ant1 | 5220 | 5.10 | 5.24 | 97.33 |
| 11AC20SISO | Ant1 | 5240 | 5.10 | 5.22 | 97.70 |
| 11AC20SISO | Ant1 | 5260 | 5.10 | 5.28 | 96.59 |
| 11AC20SISO | Ant1 | 5300 | 5.10 | 5.22 | 97.70 |
| 11AC20SISO | Ant1 | 5320 | 5.10 | 5.26 | 96.96 |
| 11AC20SISO | Ant1 | 5500 | 5.10 | 5.31 | 96.05 |
| 11AC20SISO | Ant1 | 5580 | 5.09 | 5.27 | 96.58 |
| 11AC20SISO | Ant1 | 5700 | 5.10 | 5.27 | 96.77 |
| 11AC20SISO | Ant1 | 5720 | 5.10 | 5.22 | 97.70 |
| 11AC20SISO | Ant1 | 5745 | 5.10 | 5.25 | 97.14 |
| 11AC20SISO | Ant1 | 5785 | 5.10 | 5.30 | 96.23 |
| 11AC20SISO | Ant1 | 5825 | 5.10 | 5.32 | 95.86 |
| 11AC40SISO | Ant1 | 5190 | 4.90 | 5.02 | 97.61 |
| 11AC40SISO | Ant1 | 5230 | 4.90 | 5.02 | 97.61 |
| 11AC40SISO | Ant1 | 5270 | 4.91 | 5.03 | 97.61 |
| 11AC40SISO | Ant1 | 5310 | 4.91 | 5.07 | 96.84 |
| 11AC40SISO | Ant1 | 5510 | 4.91 | 5.09 | 96.46 |
| 11AC40SISO | Ant1 | 5550 | 4.90 | 5.05 | 97.03 |
| 11AC40SISO | Ant1 | 5670 | 4.90 | 5.07 | 96.65 |
| 11AC40SISO | Ant1 | 5710 | 4.91 | 5.12 | 95.90 |
| 11AC40SISO | Ant1 | 5755 | 4.91 | 5.07 | 96.84 |
| 11AC40SISO | Ant1 | 5795 | 4.90 | 5.03 | 97.42 |
| 11AC80SISO | Ant1 | 5210 | 4.53 | 4.68 | 96.79 |
| 11AC80SISO | Ant1 | 5290 | 4.53 | 4.65 | 97.42 |
| 11AC80SISO | Ant1 | 5530 | 4.52 | 4.70 | 96.17 |
| 11AC80SISO | Ant1 | 5610 | 4.53 | 4.72 | 95.97 |
| 11AC80SISO | Ant1 | 5690 | 4.52 | 4.64 | 97.41 |
| 11AC80SISO | Ant1 | 5775 | 4.53 | 4.70 | 96.38 |
| 11AX20SISO | Ant1 | 5180 | 3.87 | 4.06 | 95.32 |
| 11AX20SISO | Ant1 | 5220 | 3.87 | 4.06 | 95.32 |
| 11AX20SISO | Ant1 | 5240 | 3.88 | 4.02 | 96.52 |
| 11AX20SISO | Ant1 | 5260 | 3.88 | 4.11 | 94.40 |
| 11AX20SISO | Ant1 | 5300 | 3.88 | 4.11 | 94.40 |
| 11AX20SISO | Ant1 | 5320 | 3.88 | 4.09 | 94.87 |
| 11AX20SISO | Ant1 | 5500 | 3.88 | 4.09 | 94.87 |
| 11AX20SISO | Ant1 | 5580 | 3.87 | 4.06 | 95.32 |
| 11AX20SISO | Ant1 | 5700 | 3.88 | 4.04 | 96.04 |

|            |      |      |      |      |       |
|------------|------|------|------|------|-------|
| 11AX20SISO | Ant1 | 5720 | 3.88 | 4.00 | 97.00 |
| 11AX20SISO | Ant1 | 5745 | 3.88 | 4.00 | 97.00 |
| 11AX20SISO | Ant1 | 5785 | 3.88 | 3.99 | 97.24 |
| 11AX20SISO | Ant1 | 5825 | 3.88 | 4.01 | 96.76 |
| 11AX40SISO | Ant1 | 5190 | 3.87 | 4.02 | 96.27 |
| 11AX40SISO | Ant1 | 5230 | 3.88 | 4.09 | 94.87 |
| 11AX40SISO | Ant1 | 5270 | 3.87 | 4.04 | 95.79 |
| 11AX40SISO | Ant1 | 5310 | 3.88 | 4.09 | 94.87 |
| 11AX40SISO | Ant1 | 5510 | 3.87 | 3.99 | 96.99 |
| 11AX40SISO | Ant1 | 5550 | 3.87 | 3.99 | 96.99 |
| 11AX40SISO | Ant1 | 5670 | 3.87 | 3.99 | 96.99 |
| 11AX40SISO | Ant1 | 5710 | 3.87 | 4.05 | 95.56 |
| 11AX40SISO | Ant1 | 5755 | 3.87 | 3.99 | 96.99 |
| 11AX40SISO | Ant1 | 5795 | 3.88 | 4.08 | 95.10 |
| 11AX80SISO | Ant1 | 5210 | 3.70 | 3.88 | 95.36 |
| 11AX80SISO | Ant1 | 5290 | 3.69 | 3.89 | 94.86 |
| 11AX80SISO | Ant1 | 5530 | 3.70 | 3.87 | 95.61 |
| 11AX80SISO | Ant1 | 5610 | 3.71 | 3.84 | 96.61 |
| 11AX80SISO | Ant1 | 5690 | 3.69 | 3.81 | 96.85 |
| 11AX80SISO | Ant1 | 5775 | 3.69 | 3.84 | 96.09 |

## Test Graphs





NTNV-11A-Ant1-5300



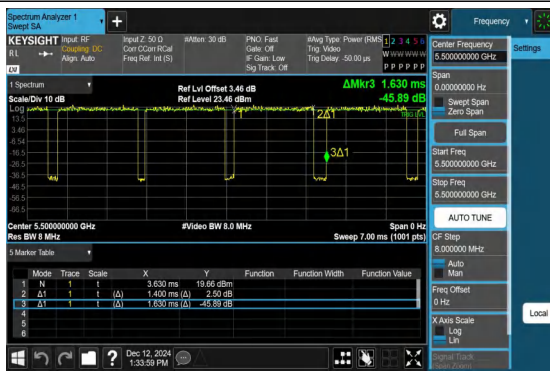
NTNV-11A-Ant1-5320



NTNV-11A-Ant1-5500



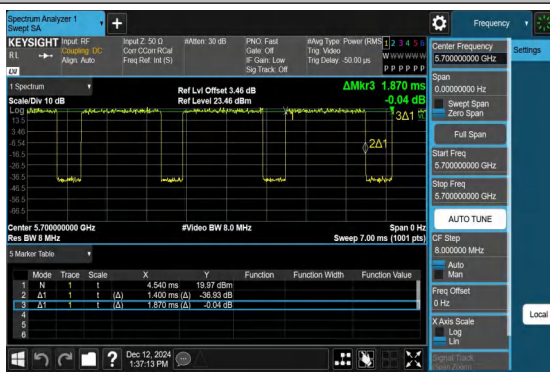
NTNV-11A-Ant1-5580



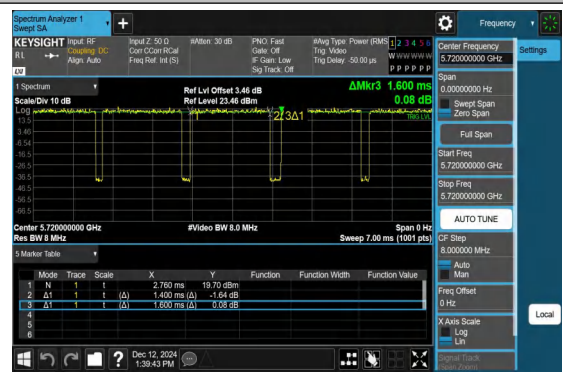
NTNV-11A-Ant1-5700



NTNV-11A-Ant1-5720



NTNV-11A-Ant1-5745



NTNV-11A-Ant1-5785











