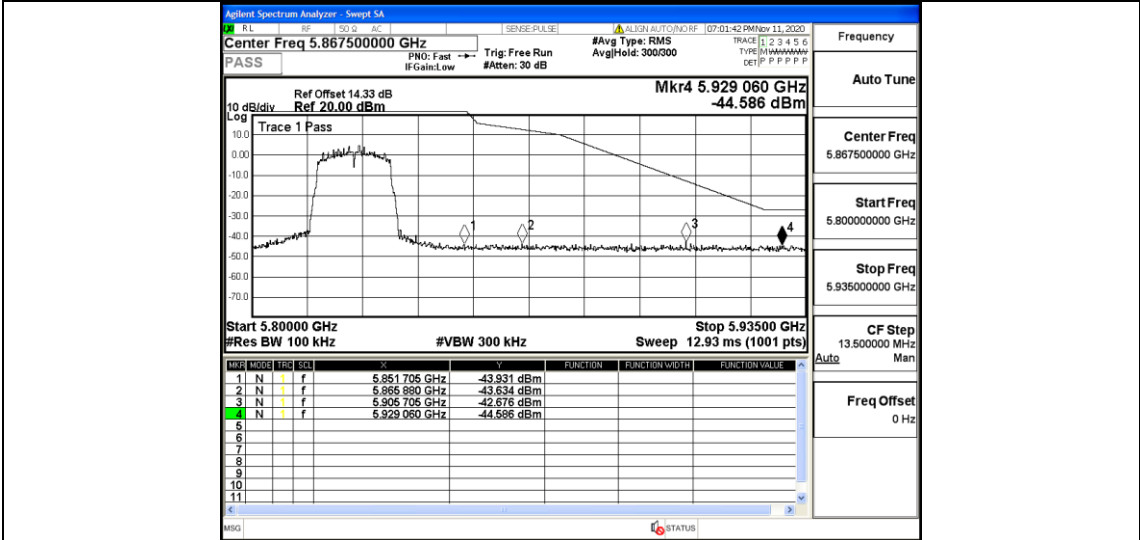
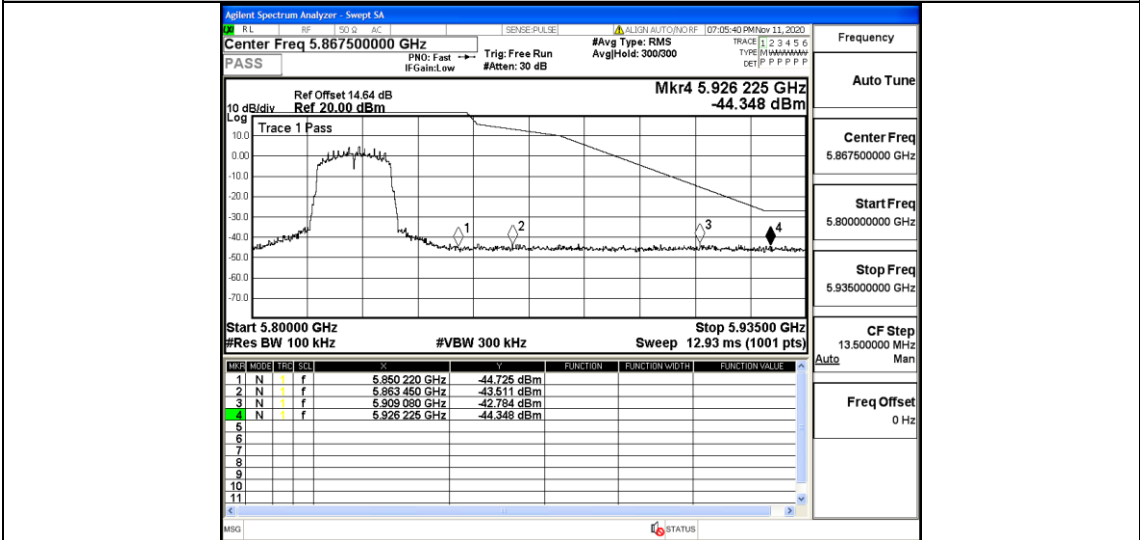


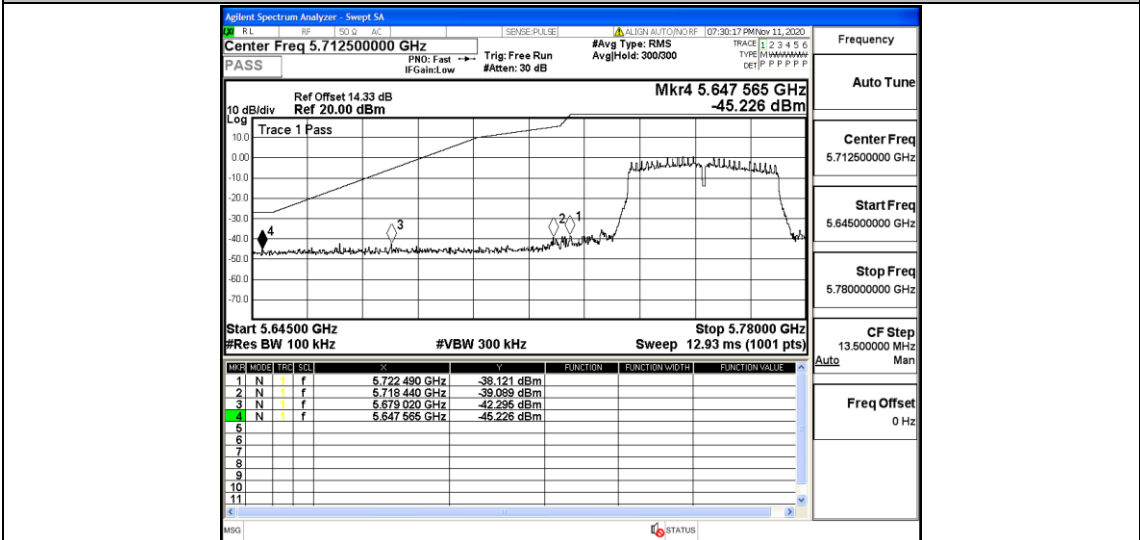
11N20MIMO_Ant1_High_5825



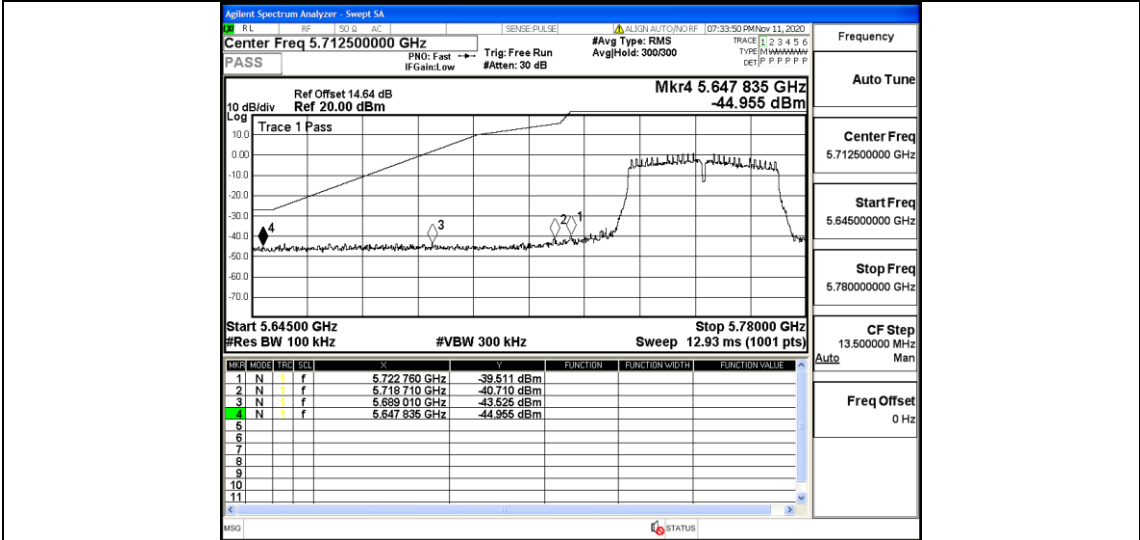
11N20MIMO_Ant2_High_5825



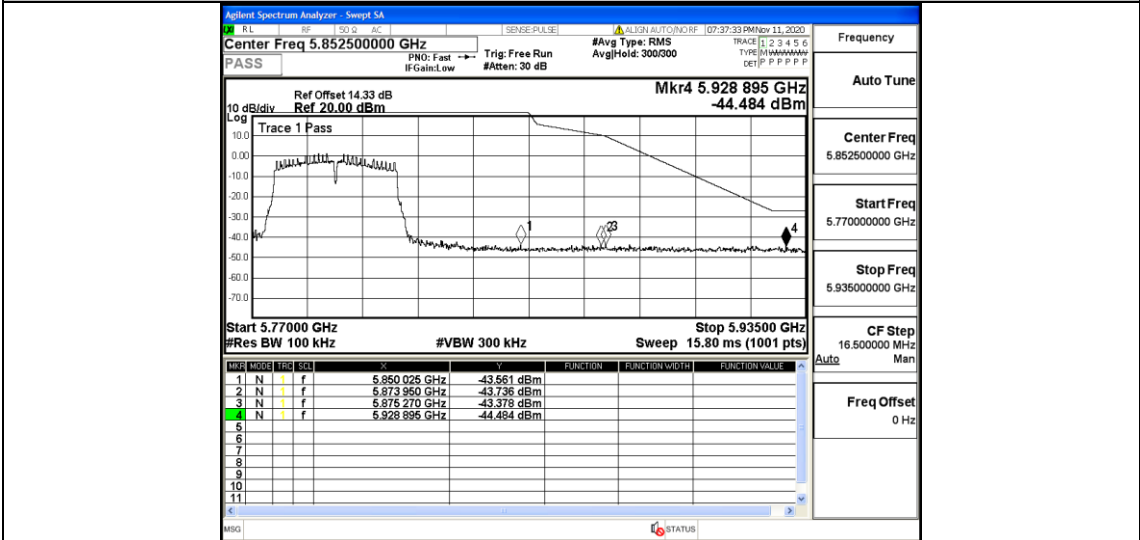
11N40MIMO_Ant1_Low_5755



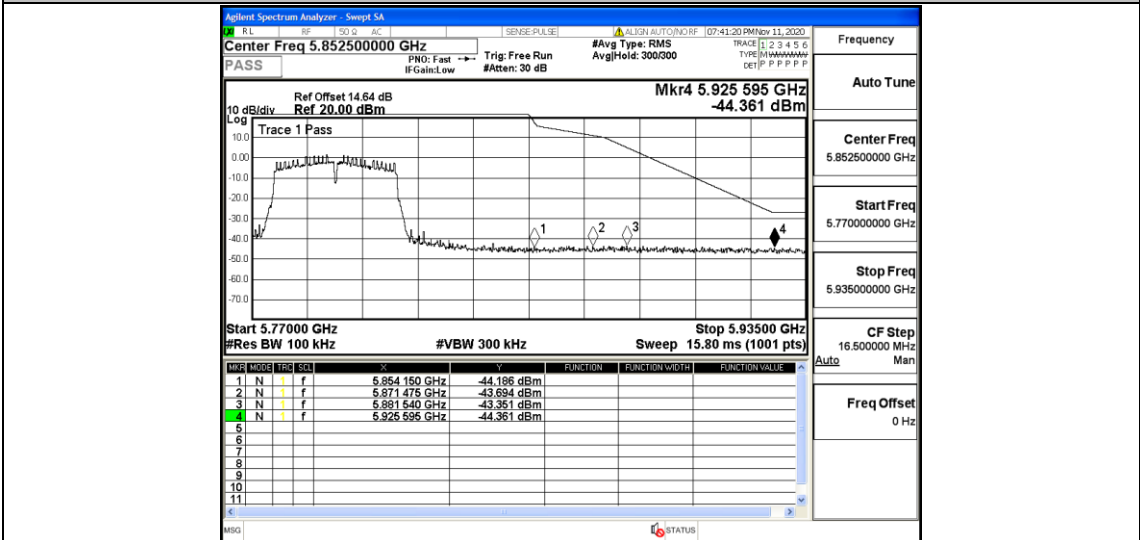
11N40MIMO_Ant2_Low_5755

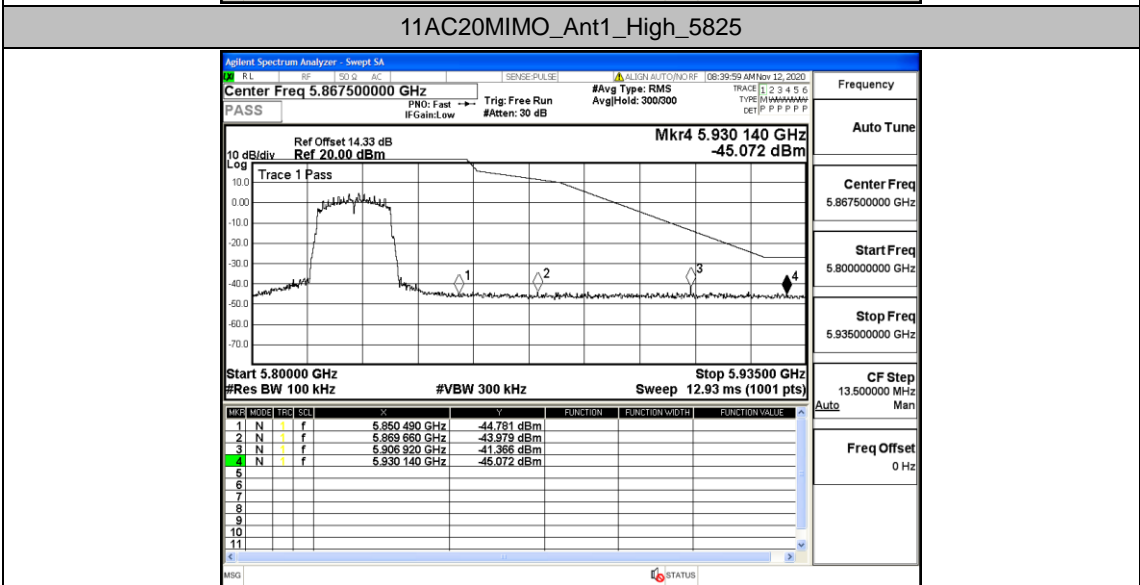
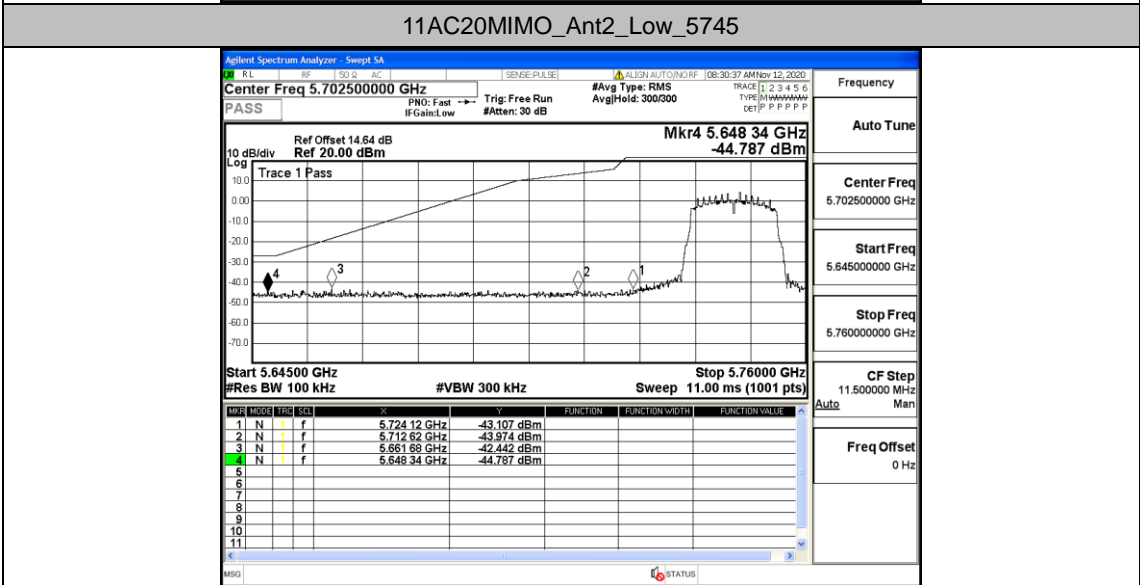
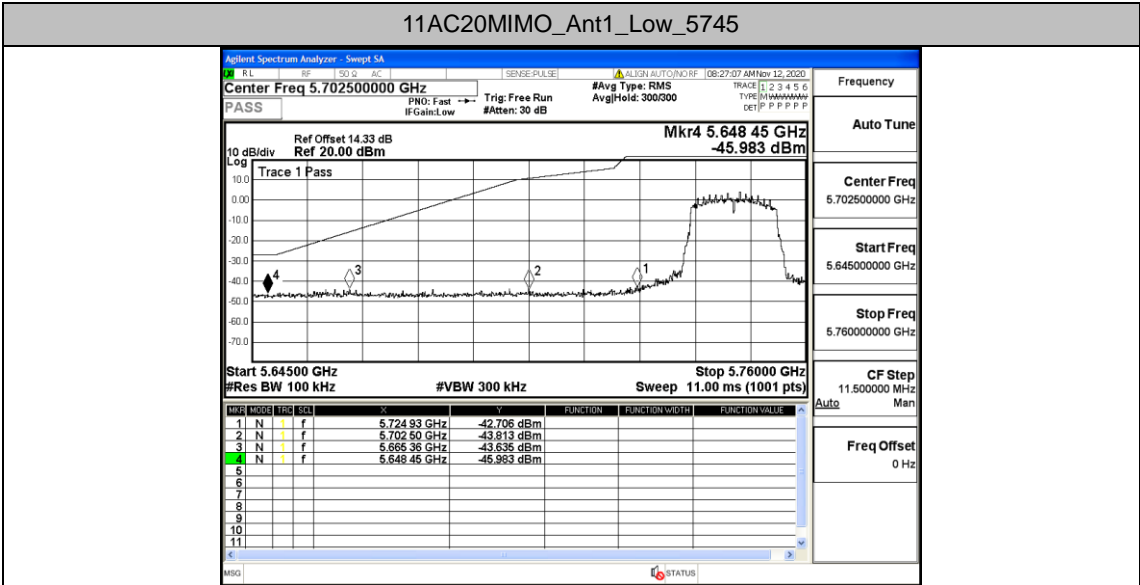


11N40MIMO_Ant1_High_5795

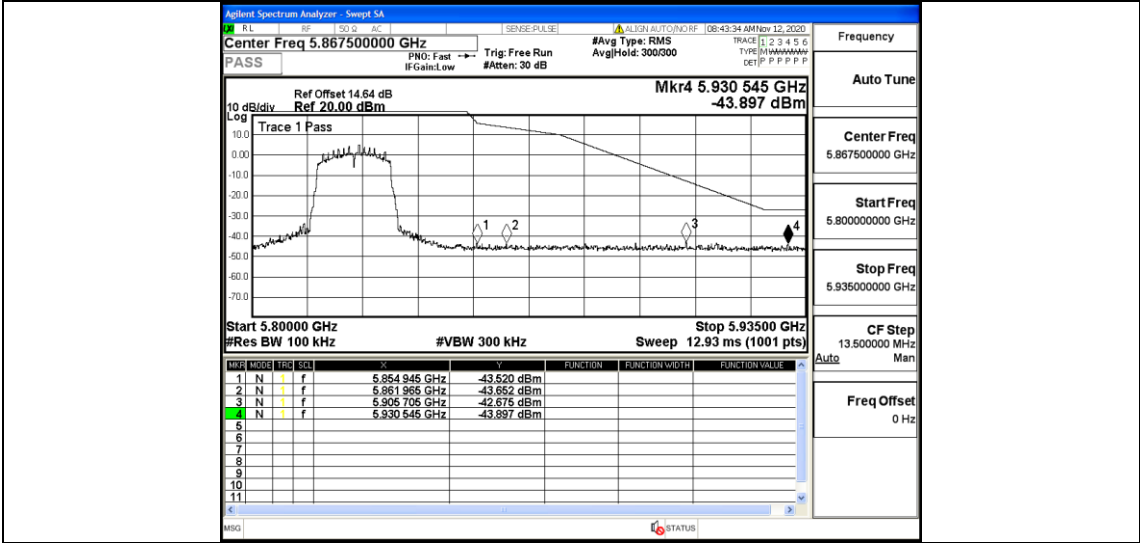


11N40MIMO_Ant2_High_5795

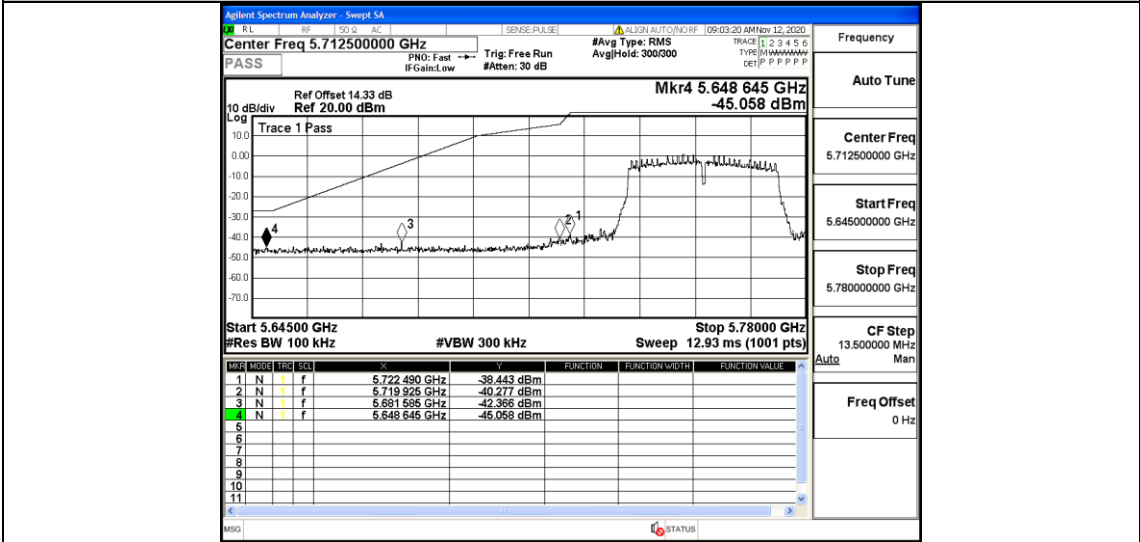




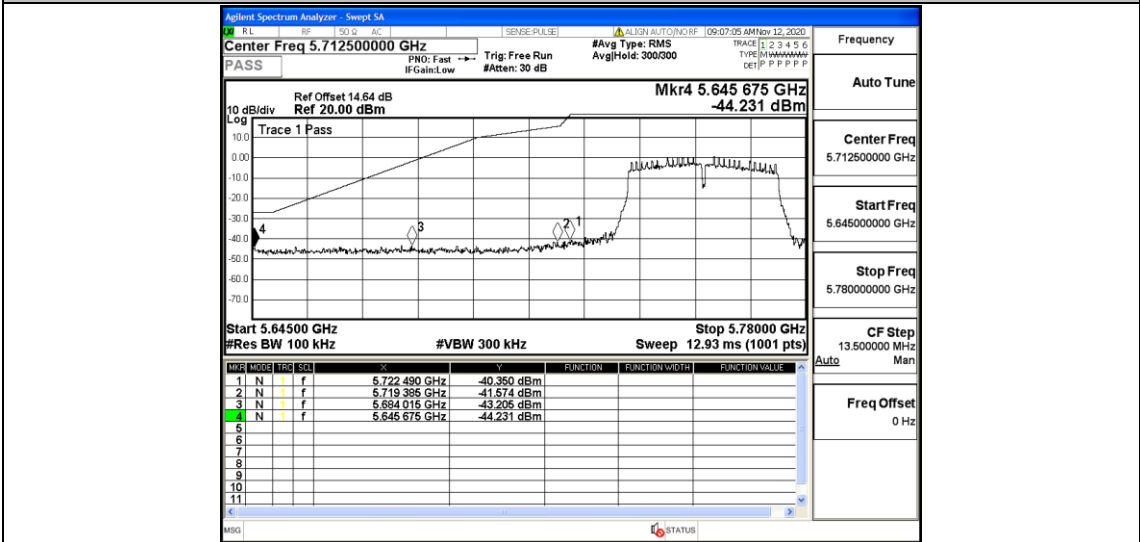
11AC20MIMO_Ant2_High_5825

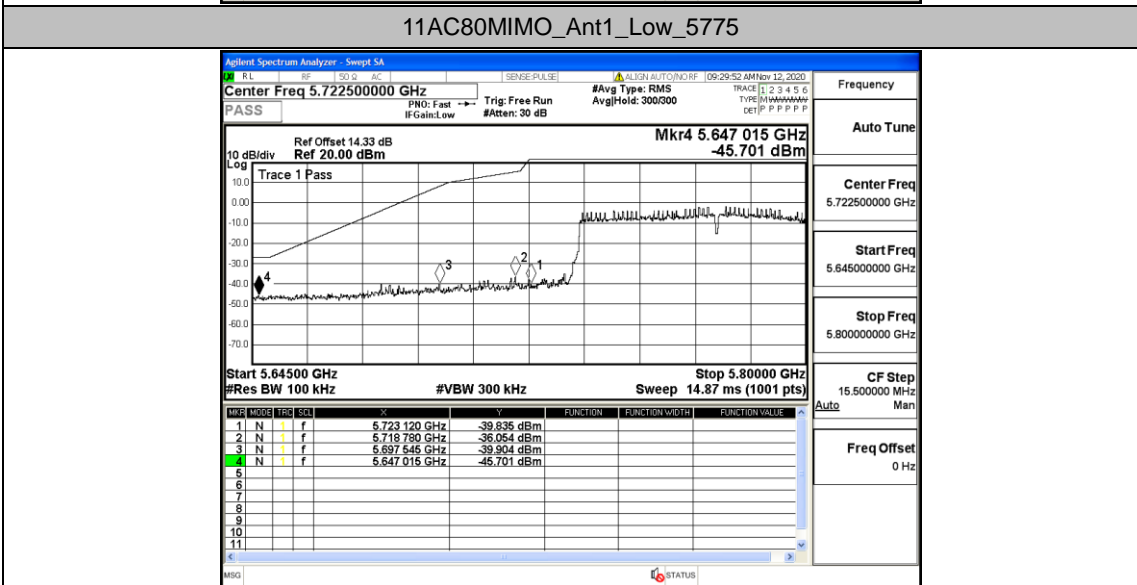
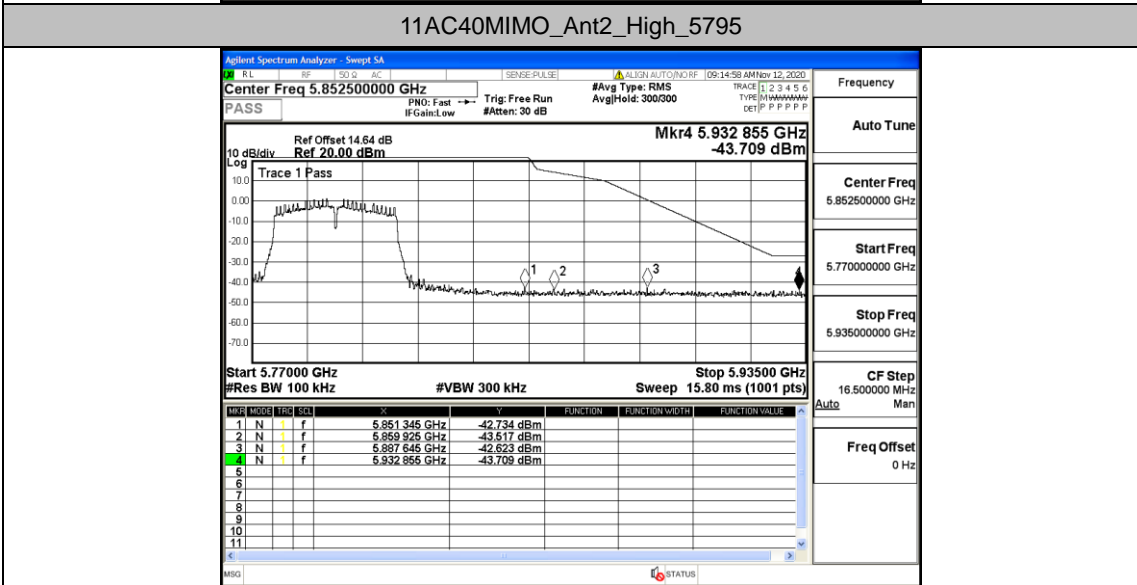
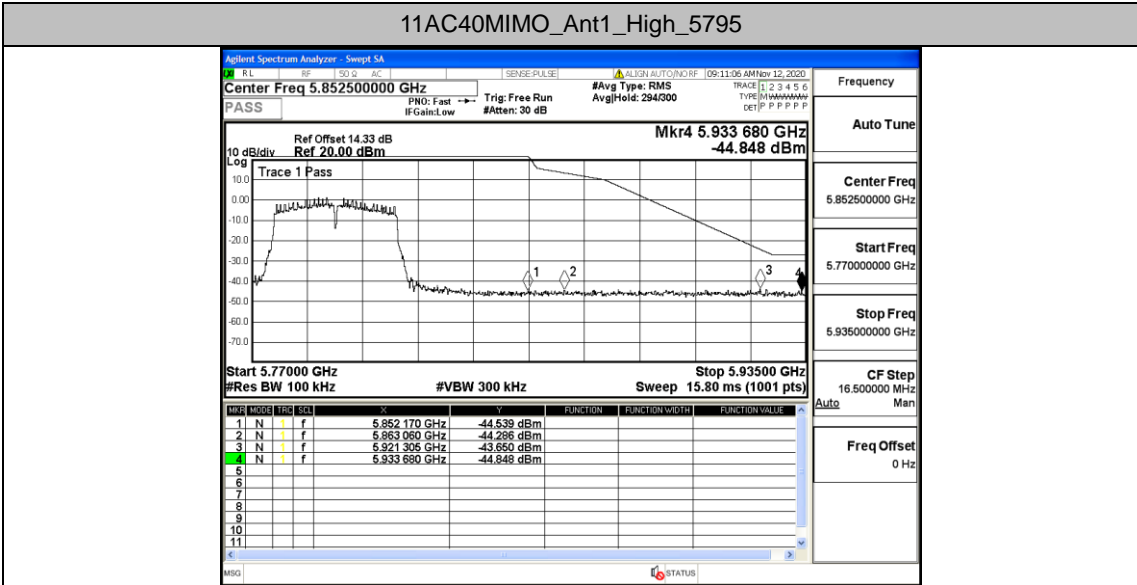


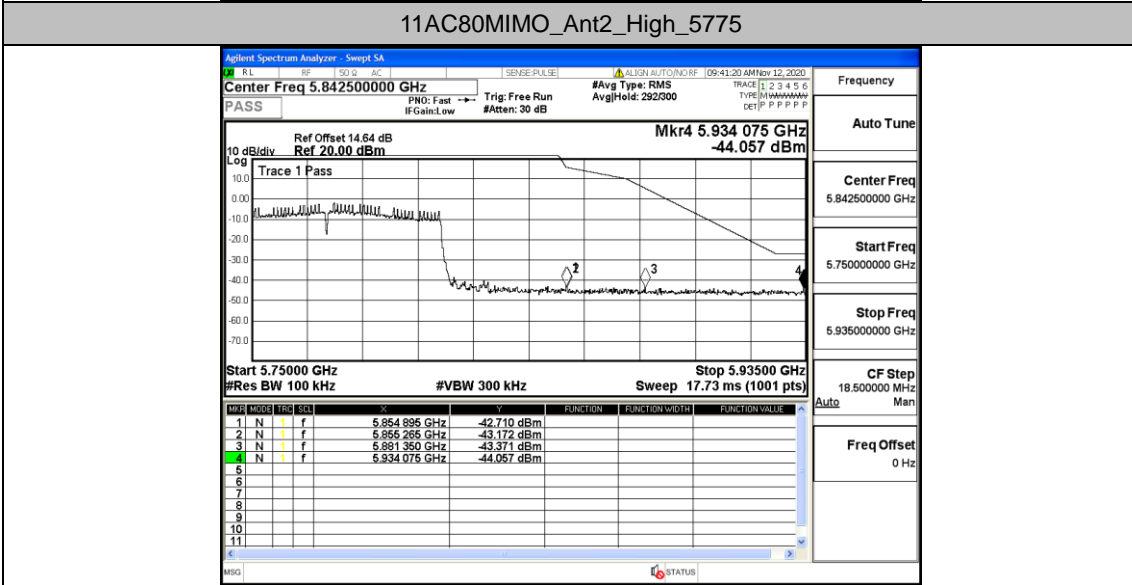
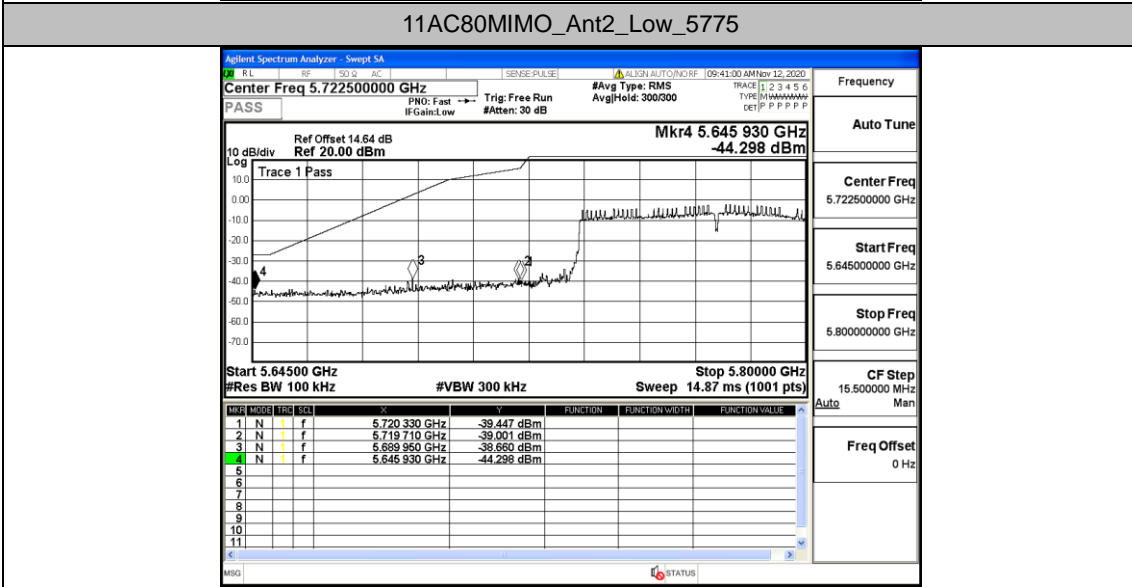
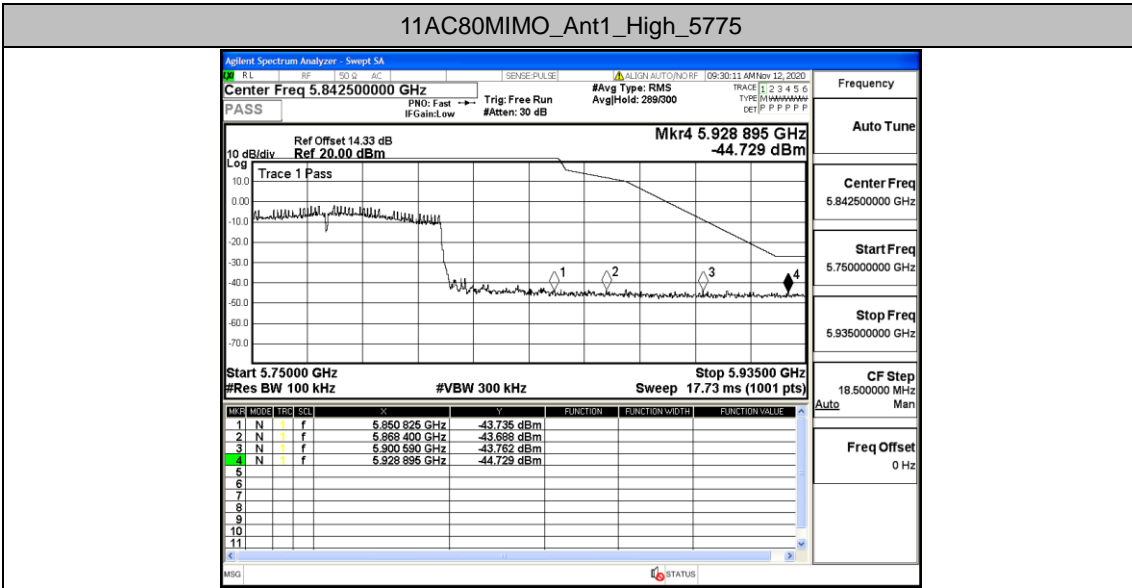
11AC40MIMO_Ant1_Low_5755



11AC40MIMO_Ant2_Low_5755







Appendix E: Frequency Stability

Test Result

| TestMode | Antenna | Channel | Voltage | | | | | Limit (ppm) | Verdict |
|----------|---------------|---------|---------------|------------------|----------------|-----------------|------------|-------------|---------|
| | | | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | | | |
| 11A | Ant0 | 5745 | NV | NT | -87000 | -15.143603 | 20 | PASS | |
| | | | LV | NT | -87000 | -15.143603 | 20 | PASS | |
| | | | HV | NT | -87000 | -15.143603 | 20 | PASS | |
| | Ant1 | 5745 | NV | NT | -86000 | -14.969539 | 20 | PASS | |
| | | | LV | NT | -87000 | -15.143603 | 20 | PASS | |
| | | | HV | NT | -87000 | -15.143603 | 20 | PASS | |
| | Ant0 | 5785 | NV | NT | -87000 | -15.038894 | 20 | PASS | |
| | | | LV | NT | -88000 | -15.211755 | 20 | PASS | |
| | | | HV | NT | -88000 | -15.211755 | 20 | PASS | |
| | Ant1 | 5785 | NV | NT | -87000 | -15.038894 | 20 | PASS | |
| | | | LV | NT | -87000 | -15.038894 | 20 | PASS | |
| | | | HV | NT | -88000 | -15.211755 | 20 | PASS | |
| | Ant0 | 5825 | NV | NT | -88000 | -15.107296 | 20 | PASS | |
| | | | LV | NT | -88000 | -15.107296 | 20 | PASS | |
| | | | HV | NT | -89000 | -15.27897 | 20 | PASS | |
| | Ant1 | 5825 | NV | NT | -88000 | -15.107296 | 20 | PASS | |
| | | | LV | NT | -88000 | -15.107296 | 20 | PASS | |
| | | | HV | NT | -88000 | -15.107296 | 20 | PASS | |
| | 11N20MI MO | Ant0 | 5745 | NV | NT | -89000 | -15.491732 | 20 | PASS |
| | | | | LV | NT | -89000 | -15.491732 | 20 | PASS |
| | | | | HV | NT | -89000 | -15.491732 | 20 | PASS |
| | | Ant1 | 5745 | NV | NT | -89000 | -15.491732 | 20 | PASS |
| | | | | LV | NT | -89000 | -15.491732 | 20 | PASS |
| | | | | HV | NT | -89000 | -15.491732 | 20 | PASS |
| Ant0 | | 5785 | NV | NT | -89000 | -15.384615 | 20 | PASS | |
| | | | LV | NT | -90000 | -15.557476 | 20 | PASS | |
| | | | HV | NT | -90000 | -15.557476 | 20 | PASS | |
| Ant1 | | 5785 | NV | NT | -90000 | -15.557476 | 20 | PASS | |
| | | | LV | NT | -90000 | -15.557476 | 20 | PASS | |
| | | | HV | NT | -90000 | -15.557476 | 20 | PASS | |
| Ant0 | | 5825 | NV | NT | -90000 | -15.450644 | 20 | PASS | |
| | | | LV | NT | -90000 | -15.450644 | 20 | PASS | |
| | | | HV | NT | -90000 | -15.450644 | 20 | PASS | |
| Ant1 | | 5825 | NV | NT | -90000 | -15.450644 | 20 | PASS | |
| | | | LV | NT | -90000 | -15.450644 | 20 | PASS | |

| Voltage | | | | | | | | |
|----------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| | | | HV | NT | -91000 | -4.904023 | 20 | PASS |
| 11N40MI MO | Ant0 | 5755 | NV | NT | -89000 | -4.701767 | 20 | PASS |
| | | | LV | NT | -90000 | -4.609526 | 20 | PASS |
| | | | HV | NT | -90000 | -4.177802 | 20 | PASS |
| | Ant1 | 5755 | NV | NT | -90000 | -4.696541 | 20 | PASS |
| | | | LV | NT | -90000 | -4.979722 | 20 | PASS |
| | | | HV | NT | -90000 | -4.995438 | 20 | PASS |
| | Ant0 | 5795 | NV | NT | -90000 | -4.022925 | 20 | PASS |
| | | | LV | NT | -90000 | -4.396068 | 20 | PASS |
| | | | HV | NT | -90000 | -4.966702 | 20 | PASS |
| | Ant1 | 5795 | NV | NT | -90000 | -4.471647 | 20 | PASS |
| | | | LV | NT | -90000 | -4.116684 | 20 | PASS |
| | | | HV | NT | -90000 | -4.033734 | 20 | PASS |
| 11AC20M IMO | Ant0 | 5745 | NV | NT | -89000 | -4.854694 | 20 | PASS |
| | | | LV | NT | -89000 | -4.279877 | 20 | PASS |
| | | | HV | NT | -89000 | -4.552823 | 20 | PASS |
| | Ant1 | 5745 | NV | NT | -88000 | -4.829180 | 20 | PASS |
| | | | LV | NT | -89000 | -4.126137 | 20 | PASS |
| | | | HV | NT | -89000 | -4.687750 | 20 | PASS |
| | Ant0 | 5785 | NV | NT | -89000 | -4.425964 | 20 | PASS |
| | | | LV | NT | -89000 | -4.179441 | 20 | PASS |
| | | | HV | NT | -90000 | -4.118318 | 20 | PASS |
| | Ant1 | 5785 | NV | NT | -89000 | -4.083766 | 20 | PASS |
| | | | LV | NT | -89000 | -4.917521 | 20 | PASS |
| | | | HV | NT | -90000 | -4.361383 | 20 | PASS |
| | Ant0 | 5825 | NV | NT | -90000 | -4.810163 | 20 | PASS |
| | | | LV | NT | -90000 | -4.261116 | 20 | PASS |
| | | | HV | NT | -90000 | -4.548268 | 20 | PASS |
| | Ant1 | 5825 | NV | NT | -90000 | -4.684860 | 20 | PASS |
| | | | LV | NT | -90000 | -4.712400 | 20 | PASS |
| | | | HV | NT | -90000 | -4.746228 | 20 | PASS |
| 11AC40M IMO | Ant0 | 5755 | NV | NT | -88000 | -4.336104 | 20 | PASS |
| | | | LV | NT | -89000 | -4.437879 | 20 | PASS |
| | | | HV | NT | -89000 | -4.039932 | 20 | PASS |
| | Ant1 | 5755 | NV | NT | -88000 | -4.084260 | 20 | PASS |
| | | | LV | NT | -89000 | -4.534351 | 20 | PASS |
| | | | HV | NT | -89000 | -4.991593 | 20 | PASS |
| | Ant0 | 5795 | NV | NT | -89000 | -4.245574 | 20 | PASS |
| | | | LV | NT | -89000 | -4.694722 | 20 | PASS |
| | | | HV | NT | -89000 | -4.654408 | 20 | PASS |

| Voltage | | | | | | | | |
|----------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| | Ant1 | 5795 | NV | NT | -89000 | -4.618845 | 20 | PASS |
| | | | LV | NT | -89000 | -4.294085 | 20 | PASS |
| | | | HV | NT | -90000 | -4.403522 | 20 | PASS |
| 11AC80M IMO | Ant0 | 5775 | NV | NT | -89000 | -4.369968 | 20 | PASS |
| | | | LV | NT | -89000 | -4.703002 | 20 | PASS |
| | | | HV | NT | -89000 | -4.656419 | 20 | PASS |
| | Ant1 | 5775 | NV | NT | -89000 | -4.455126 | 20 | PASS |
| | | | LV | NT | -89000 | -4.203664 | 20 | PASS |
| | | | HV | NT | -89000 | -4.528249 | 20 | PASS |

| Temperature | | | | | | | | |
|-------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A | Ant0 | 5745 | NV | -30 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | -20 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | -10 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | 0 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | 10 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | 20 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | 30 | -88000 | -15.317668 | 20 | PASS |
| | | | NV | 40 | -88000 | -15.317668 | 20 | PASS |
| | | | NV | 50 | -88000 | -15.317668 | 20 | PASS |
| | Ant1 | 5745 | NV | -30 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | -20 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | -10 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | 0 | -88000 | -15.317668 | 20 | PASS |
| | | | NV | 10 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | 20 | -87000 | -15.143603 | 20 | PASS |
| | | | NV | 30 | -88000 | -15.317668 | 20 | PASS |
| | | | NV | 40 | -88000 | -15.317668 | 20 | PASS |
| | | | NV | 50 | -88000 | -15.317668 | 20 | PASS |
| | Ant0 | 5785 | NV | -30 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | -20 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | -10 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 0 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 10 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 20 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 30 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 40 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 50 | -88000 | -15.211755 | 20 | PASS |
| | Ant1 | 5785 | NV | -30 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | -20 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | -10 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 0 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 10 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 20 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 30 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 40 | -88000 | -15.211755 | 20 | PASS |
| | | | NV | 50 | -88000 | -15.211755 | 20 | PASS |
| Ant0 | 5825 | NV | -30 | -89000 | -15.27897 | 20 | PASS | |
| | | NV | -20 | -89000 | -15.27897 | 20 | PASS | |
| | | NV | -10 | -89000 | -15.27897 | 20 | PASS | |

| Temperature | | | | | | | | | | | |
|-------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|------------|----|------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict | | | |
| | | | NV | 0 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 10 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 20 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 30 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 40 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 50 | -89000 | -15.27897 | 20 | PASS | | | |
| | Ant1 | 5825 | NV | -30 | -88000 | -15.107296 | 20 | PASS | | | |
| | | | NV | -20 | -88000 | -15.107296 | 20 | PASS | | | |
| | | | NV | -10 | -88000 | -15.107296 | 20 | PASS | | | |
| | | | NV | 0 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 10 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 20 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 30 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 40 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | NV | 50 | -89000 | -15.27897 | 20 | PASS | | | |
| | | | 11N20MI MO | Ant0 | 5745 | NV | -30 | -89000 | -15.491732 | 20 | PASS |
| | | | | | | NV | -20 | -89000 | -15.491732 | 20 | PASS |
| | | | | | | NV | -10 | -90000 | -15.665796 | 20 | PASS |
| NV | 0 | -90000 | | | | -15.665796 | 20 | PASS | | | |
| NV | 10 | -90000 | | | | -15.665796 | 20 | PASS | | | |
| NV | 20 | -90000 | | | | -15.665796 | 20 | PASS | | | |
| NV | 30 | -90000 | | | | -15.665796 | 20 | PASS | | | |
| NV | 40 | -90000 | | | | -15.665796 | 20 | PASS | | | |
| NV | 50 | -90000 | | | | -15.665796 | 20 | PASS | | | |
| Ant1 | 5745 | NV | | -30 | -89000 | -15.491732 | 20 | PASS | | | |
| | | NV | | -20 | -89000 | -15.491732 | 20 | PASS | | | |
| | | NV | | -10 | -90000 | -15.665796 | 20 | PASS | | | |
| | | NV | | 0 | -90000 | -15.665796 | 20 | PASS | | | |
| | | NV | | 10 | -90000 | -15.665796 | 20 | PASS | | | |
| | | NV | | 20 | -90000 | -15.665796 | 20 | PASS | | | |
| | | NV | | 30 | -90000 | -15.665796 | 20 | PASS | | | |
| | | NV | | 40 | -90000 | -15.665796 | 20 | PASS | | | |
| | | NV | | 50 | -90000 | -15.665796 | 20 | PASS | | | |
| Ant0 | 5785 | NV | | -30 | -90000 | -15.557476 | 20 | PASS | | | |
| | | NV | | -20 | -90000 | -15.557476 | 20 | PASS | | | |
| | | NV | | -10 | -90000 | -15.557476 | 20 | PASS | | | |
| | | NV | | 0 | -90000 | -15.557476 | 20 | PASS | | | |
| | | NV | | 10 | -91000 | -15.730337 | 20 | PASS | | | |
| | | NV | | 20 | -90000 | -15.557476 | 20 | PASS | | | |
| | | NV | | 30 | -91000 | -15.730337 | 20 | PASS | | | |

| Temperature | | | | | | | | | |
|-------------|---------------|---------|---------------|------------------|----------------|-----------------|-------------|------------|------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict | |
| | | | NV | 40 | -91000 | -15.730337 | 20 | PASS | |
| | | | NV | 50 | -90000 | -15.557476 | 20 | PASS | |
| | Ant1 | 5785 | NV | -30 | -90000 | -15.557476 | 20 | PASS | |
| | | | NV | -20 | -90000 | -15.557476 | 20 | PASS | |
| | | | NV | -10 | -90000 | -15.557476 | 20 | PASS | |
| | | | NV | 0 | -90000 | -15.557476 | 20 | PASS | |
| | | | NV | 10 | -91000 | -15.730337 | 20 | PASS | |
| | | | NV | 20 | -90000 | -15.557476 | 20 | PASS | |
| | | | NV | 30 | -90000 | -15.557476 | 20 | PASS | |
| | | | NV | 40 | -91000 | -15.730337 | 20 | PASS | |
| | | | NV | 50 | -91000 | -15.730337 | 20 | PASS | |
| | | | Ant0 | 5825 | NV | -30 | -91000 | -15.622318 | 20 |
| | NV | -20 | | | -91000 | -15.622318 | 20 | PASS | |
| | NV | -10 | | | -91000 | -15.622318 | 20 | PASS | |
| | NV | 0 | | | -91000 | -15.622318 | 20 | PASS | |
| | NV | 10 | | | -91000 | -15.622318 | 20 | PASS | |
| | NV | 20 | | | -91000 | -15.622318 | 20 | PASS | |
| | NV | 30 | | | -91000 | -15.622318 | 20 | PASS | |
| | NV | 40 | | | -91000 | -15.622318 | 20 | PASS | |
| | Ant1 | 5825 | NV | -30 | -91000 | -15.622318 | 20 | PASS | |
| | | | NV | -20 | -91000 | -15.622318 | 20 | PASS | |
| | | | NV | -10 | -91000 | -15.622318 | 20 | PASS | |
| | | | NV | 0 | -91000 | -15.622318 | 20 | PASS | |
| | | | NV | 10 | -91000 | -15.622318 | 20 | PASS | |
| | | | NV | 20 | -91000 | -15.622318 | 20 | PASS | |
| | | | NV | 30 | -91000 | -15.622318 | 20 | PASS | |
| | | | NV | 40 | -91000 | -15.622318 | 20 | PASS | |
| | 11N40MI MO | Ant0 | 5755 | NV | -30 | -90000 | -15.638575 | 20 | PASS |
| | | | | NV | -20 | -90000 | -15.638575 | 20 | PASS |
| | | | | NV | -10 | -90000 | -15.638575 | 20 | PASS |
| NV | | | | 0 | -90000 | -15.638575 | 20 | PASS | |
| NV | | | | 10 | -90000 | -15.638575 | 20 | PASS | |
| NV | | | | 20 | -90000 | -15.638575 | 20 | PASS | |
| NV | | | | 30 | -90000 | -15.638575 | 20 | PASS | |
| NV | | | | 40 | -90000 | -15.638575 | 20 | PASS | |
| Ant1 | | 5755 | NV | -30 | -90000 | -15.638575 | 20 | PASS | |
| | | | NV | -20 | -90000 | -15.638575 | 20 | PASS | |

| Temperature | | | | | | | | | |
|-------------|----------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict | |
| | | | NV | -10 | -90000 | -15.638575 | 20 | PASS | |
| | | | NV | 0 | -90000 | -15.638575 | 20 | PASS | |
| | | | NV | 10 | -90000 | -15.638575 | 20 | PASS | |
| | | | NV | 20 | -90000 | -15.638575 | 20 | PASS | |
| | | | NV | 30 | -90000 | -15.638575 | 20 | PASS | |
| | | | NV | 40 | -90000 | -15.638575 | 20 | PASS | |
| | | | NV | 50 | -90000 | -15.638575 | 20 | PASS | |
| | Ant0 | 5795 | NV | -30 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | -20 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | -10 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | 0 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | 10 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | 20 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | 30 | -91000 | -15.703192 | 20 | PASS | |
| | | | NV | 40 | -91000 | -15.703192 | 20 | PASS | |
| | Ant1 | 5795 | NV | 50 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | -30 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | -20 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | -10 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | 0 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | 10 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | 20 | -90000 | -15.53063 | 20 | PASS | |
| | | | NV | 30 | -90000 | -15.53063 | 20 | PASS | |
| | 11AC20M IMO | Ant0 | 5745 | NV | 40 | -90000 | -15.53063 | 20 | PASS |
| | | | | NV | 50 | -90000 | -15.53063 | 20 | PASS |
| | | | | NV | -30 | -89000 | -15.491732 | 20 | PASS |
| | | | | NV | -20 | -89000 | -15.491732 | 20 | PASS |
| | | | | NV | -10 | -89000 | -15.491732 | 20 | PASS |
| NV | | | | 0 | -89000 | -15.491732 | 20 | PASS | |
| NV | | | | 10 | -90000 | -15.665796 | 20 | PASS | |
| Ant1 | | 5745 | NV | 20 | -90000 | -15.665796 | 20 | PASS | |
| | | | NV | 30 | -90000 | -15.665796 | 20 | PASS | |
| | | | NV | 40 | -90000 | -15.665796 | 20 | PASS | |
| | | | NV | 50 | -90000 | -15.665796 | 20 | PASS | |
| | | | NV | -30 | -89000 | -15.491732 | 20 | PASS | |
| | | | NV | -20 | -89000 | -15.491732 | 20 | PASS | |
| | | | NV | -10 | -89000 | -15.491732 | 20 | PASS | |
| | | | NV | 0 | -89000 | -15.491732 | 20 | PASS | |
| | | | NV | 10 | -89000 | -15.491732 | 20 | PASS | |
| | | | NV | 20 | -90000 | -15.665796 | 20 | PASS | |
| | | | NV | 30 | -90000 | -15.665796 | 20 | PASS | |
| | | | NV | 40 | -90000 | -15.665796 | 20 | PASS | |
| | | | NV | 50 | -90000 | -15.665796 | 20 | PASS | |

| Temperature | | | | | | | | | | |
|-------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|------------|----|------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict | | |
| | | | NV | 30 | -90000 | -15.665796 | 20 | PASS | | |
| | | | NV | 40 | -90000 | -15.665796 | 20 | PASS | | |
| | | | NV | 50 | -90000 | -15.665796 | 20 | PASS | | |
| | Ant0 | 5785 | NV | -30 | -90000 | -15.557476 | 20 | PASS | | |
| | | | NV | -20 | -90000 | -15.557476 | 20 | PASS | | |
| | | | NV | -10 | -90000 | -15.557476 | 20 | PASS | | |
| | | | NV | 0 | -90000 | -15.557476 | 20 | PASS | | |
| | | | NV | 10 | -90000 | -15.557476 | 20 | PASS | | |
| | | | NV | 20 | -90000 | -15.557476 | 20 | PASS | | |
| | | | NV | 30 | -90000 | -15.557476 | 20 | PASS | | |
| | | | NV | 40 | -90000 | -15.557476 | 20 | PASS | | |
| | | | NV | 50 | -90000 | -15.557476 | 20 | PASS | | |
| | | | Ant1 | 5785 | NV | -30 | -90000 | -15.557476 | 20 | PASS |
| | | | | | NV | -20 | -90000 | -15.557476 | 20 | PASS |
| | | | | | NV | -10 | -90000 | -15.557476 | 20 | PASS |
| | NV | 0 | | | -90000 | -15.557476 | 20 | PASS | | |
| | NV | 10 | | | -90000 | -15.557476 | 20 | PASS | | |
| | NV | 20 | | | -90000 | -15.557476 | 20 | PASS | | |
| | NV | 30 | | | -90000 | -15.557476 | 20 | PASS | | |
| | NV | 40 | | | -90000 | -15.557476 | 20 | PASS | | |
| | Ant0 | 5825 | NV | -30 | -90000 | -15.450644 | 20 | PASS | | |
| | | | NV | -20 | -90000 | -15.450644 | 20 | PASS | | |
| | | | NV | -10 | -90000 | -15.450644 | 20 | PASS | | |
| | | | NV | 0 | -91000 | -15.622318 | 20 | PASS | | |
| | | | NV | 10 | -91000 | -15.622318 | 20 | PASS | | |
| | | | NV | 20 | -91000 | -15.622318 | 20 | PASS | | |
| | | | NV | 30 | -91000 | -15.622318 | 20 | PASS | | |
| | | | NV | 40 | -91000 | -15.622318 | 20 | PASS | | |
| | | | NV | 50 | -91000 | -15.622318 | 20 | PASS | | |
| | Ant1 | 5825 | NV | -30 | -90000 | -15.450644 | 20 | PASS | | |
| NV | | | -20 | -90000 | -15.450644 | 20 | PASS | | | |
| NV | | | -10 | -90000 | -15.450644 | 20 | PASS | | | |
| NV | | | 0 | -91000 | -15.622318 | 20 | PASS | | | |
| NV | | | 10 | -91000 | -15.622318 | 20 | PASS | | | |
| NV | | | 20 | -91000 | -15.622318 | 20 | PASS | | | |
| NV | | | 30 | -91000 | -15.622318 | 20 | PASS | | | |
| NV | | | 40 | -91000 | -15.622318 | 20 | PASS | | | |
| NV | 50 | -91000 | -15.622318 | 20 | PASS | | | | | |
| 11AC40M | Ant0 | 5755 | NV | -30 | -89000 | -15.464813 | 20 | PASS | | |

| Temperature | | | | | | | | |
|----------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| IMO | | | NV | -20 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | -10 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 0 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 10 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 20 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 30 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 40 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 50 | -90000 | -15.638575 | 20 | PASS |
| | Ant1 | 5755 | NV | -30 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | -20 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | -10 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 0 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 10 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 20 | -89000 | -15.464813 | 20 | PASS |
| | | | NV | 30 | -90000 | -15.638575 | 20 | PASS |
| | | | NV | 40 | -90000 | -15.638575 | 20 | PASS |
| | Ant0 | 5795 | NV | -30 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | -20 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | -10 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 0 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 10 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 20 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 30 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 40 | -90000 | -15.53063 | 20 | PASS |
| | Ant1 | 5795 | NV | -30 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | -20 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | -10 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 0 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 10 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 20 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 30 | -90000 | -15.53063 | 20 | PASS |
| | | | NV | 40 | -90000 | -15.53063 | 20 | PASS |
| 11AC80M IMO | Ant0 | 5775 | NV | -30 | -89000 | -15.411255 | 20 | PASS |
| | | | NV | -20 | -89000 | -15.411255 | 20 | PASS |
| | | | NV | -10 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 0 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 10 | -90000 | -15.584416 | 20 | PASS |

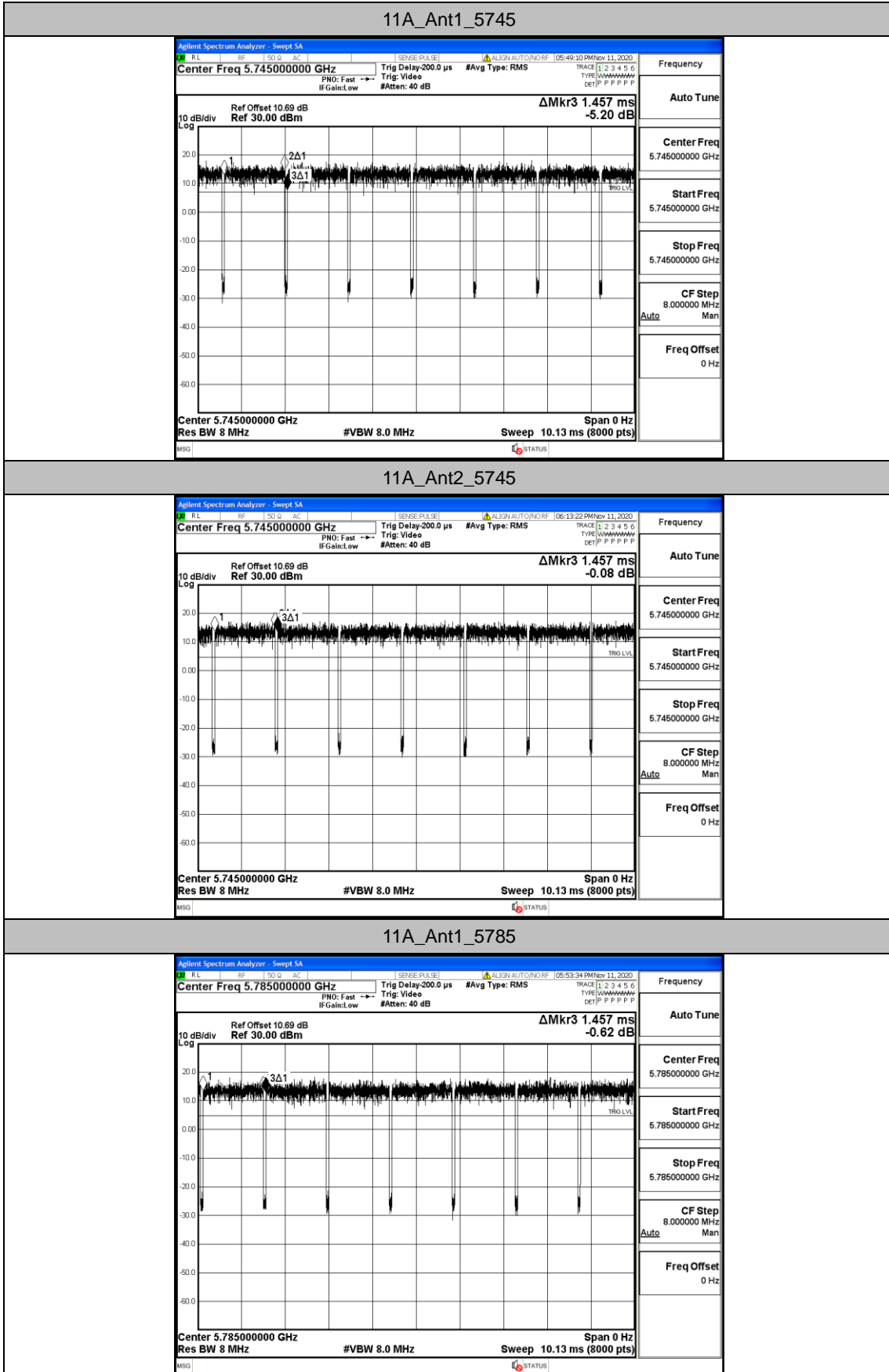
| Temperature | | | | | | | | |
|-------------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| | | | NV | 20 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 30 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 40 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 50 | -90000 | -15.584416 | 20 | PASS |
| | Ant1 | 5775 | NV | -30 | -89000 | -15.411255 | 20 | PASS |
| | | | NV | -20 | -89000 | -15.411255 | 20 | PASS |
| | | | NV | -10 | -89000 | -15.411255 | 20 | PASS |
| | | | NV | 0 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 10 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 20 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 30 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 40 | -90000 | -15.584416 | 20 | PASS |
| | | | NV | 50 | -90000 | -15.584416 | 20 | PASS |

Appendix F: Duty Cycle

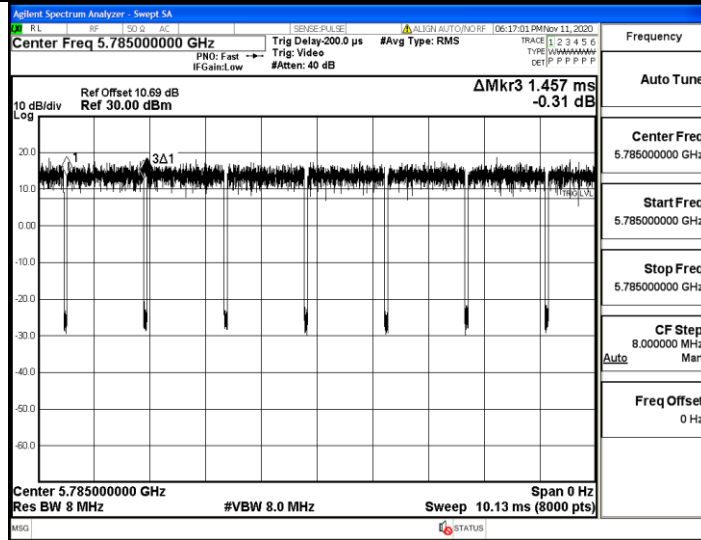
Test Result

| TestMode | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|---------|----------------------------|--------------------------|----------------|
| 11A | Ant1 | 5745 | 1.39 | 1.46 | 95.65 |
| | Ant2 | 5745 | 1.39 | 1.46 | 95.65 |
| | Ant1 | 5785 | 1.39 | 1.46 | 95.65 |
| | Ant2 | 5785 | 1.39 | 1.46 | 95.65 |
| | Ant1 | 5825 | 1.39 | 1.46 | 95.65 |
| | Ant2 | 5825 | 1.39 | 1.46 | 95.65 |
| 11N20MIMO | Ant1 | 5745 | 1.31 | 1.37 | 95.37 |
| | Ant2 | 5745 | 1.30 | 1.37 | 95.37 |
| | Ant1 | 5785 | 1.31 | 1.37 | 95.37 |
| | Ant2 | 5785 | 1.31 | 1.37 | 95.37 |
| | Ant1 | 5825 | 1.31 | 1.37 | 95.37 |
| | Ant2 | 5825 | 1.31 | 1.37 | 95.37 |
| 11N40MIMO | Ant1 | 5755 | 0.34 | 0.40 | 84.64 |
| | Ant2 | 5755 | 0.34 | 0.40 | 84.33 |
| | Ant1 | 5795 | 0.34 | 0.40 | 84.33 |
| | Ant2 | 5795 | 0.34 | 0.40 | 84.64 |
| 11AC20MIMO | Ant1 | 5745 | 0.68 | 0.74 | 91.50 |
| | Ant2 | 5745 | 0.68 | 0.74 | 91.50 |
| | Ant1 | 5785 | 0.68 | 0.74 | 91.50 |
| | Ant2 | 5785 | 0.68 | 0.74 | 91.50 |
| | Ant1 | 5825 | 0.68 | 0.74 | 91.50 |
| | Ant2 | 5825 | 0.68 | 0.74 | 91.50 |
| | Ant1 | 5745 | 0.68 | 0.74 | 91.50 |
| 11AC40MIMO | Ant1 | 5755 | 0.35 | 0.41 | 84.92 |
| | Ant2 | 5755 | 0.35 | 0.41 | 84.92 |
| | Ant1 | 5795 | 0.35 | 0.41 | 84.92 |
| | Ant2 | 5795 | 0.35 | 0.41 | 84.92 |
| 11AC80MIMO | Ant1 | 5775 | 0.19 | 0.25 | 75.00 |
| | Ant2 | 5775 | 0.18 | 0.25 | 74.87 |

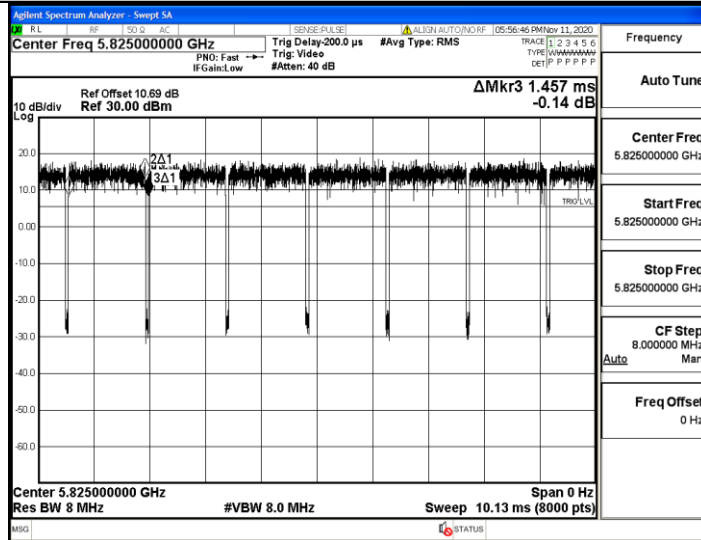
Test Graph



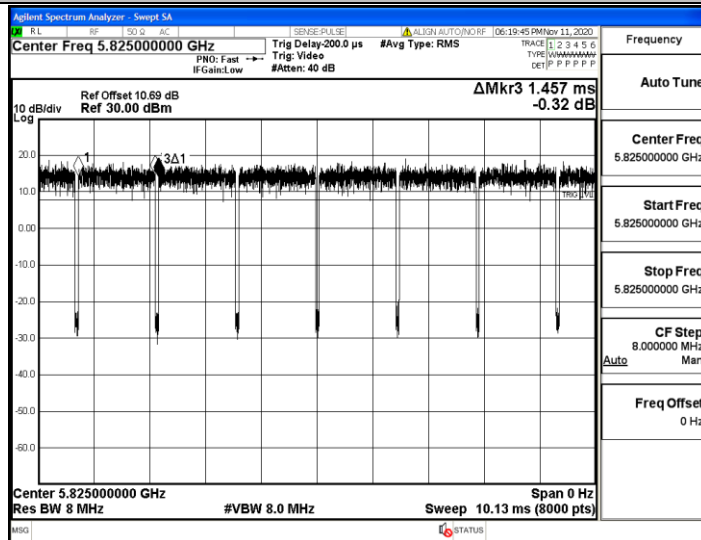
11A_Ant2_5785



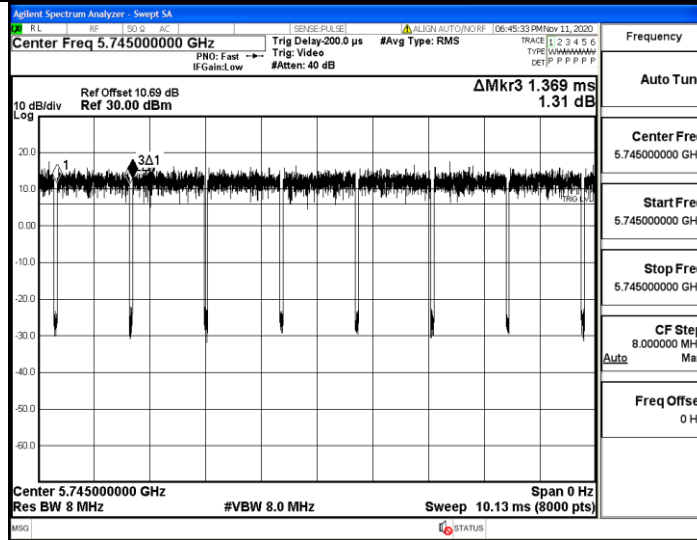
11A_Ant1_5825



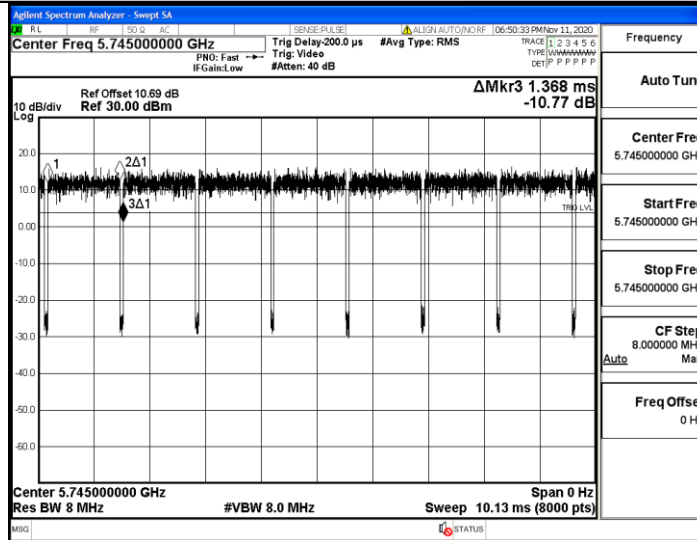
11A_Ant2_5825



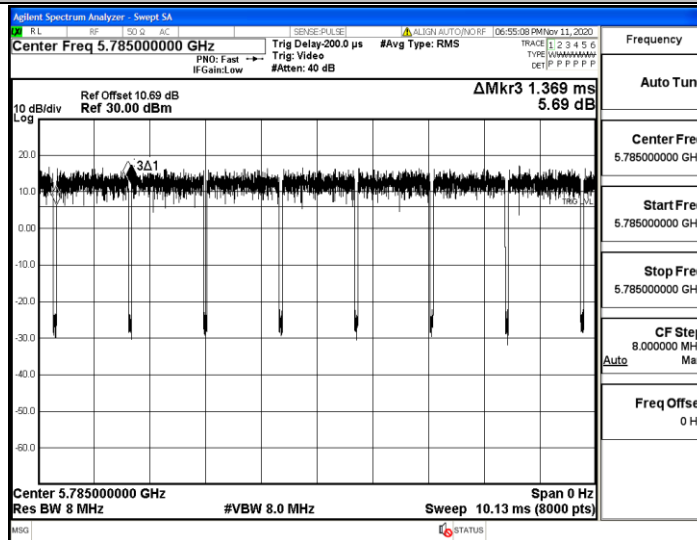
11N20MIMO_Ant1_5745



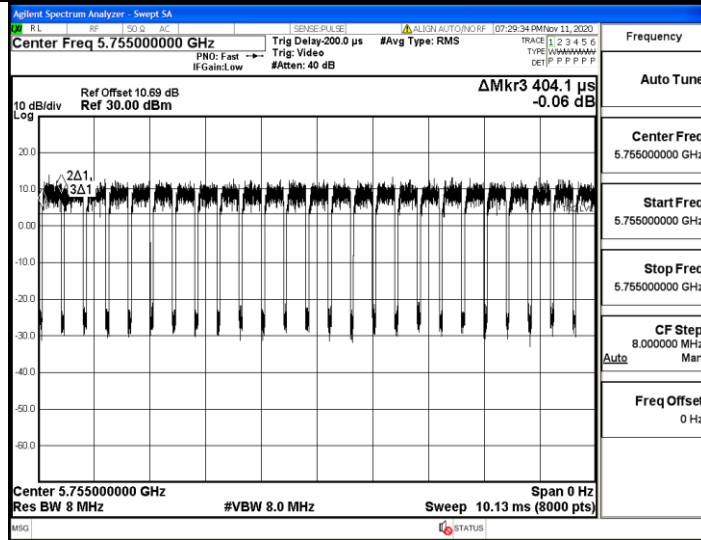
11N20MIMO_Ant2_5745



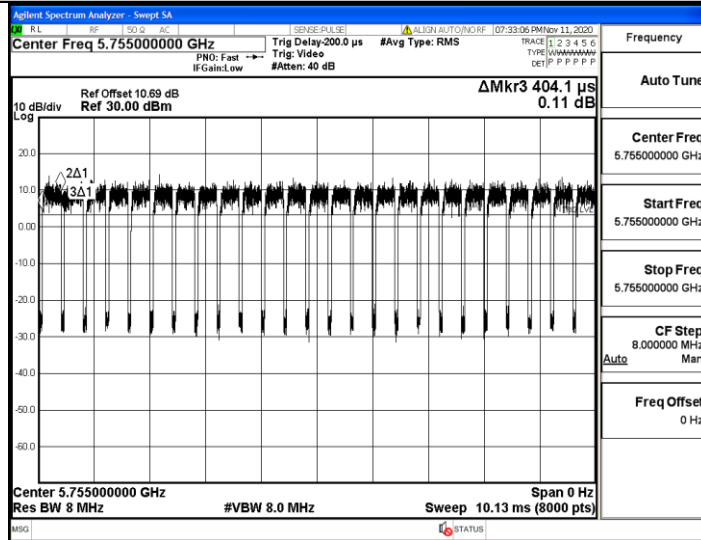
11N20MIMO_Ant1_5785



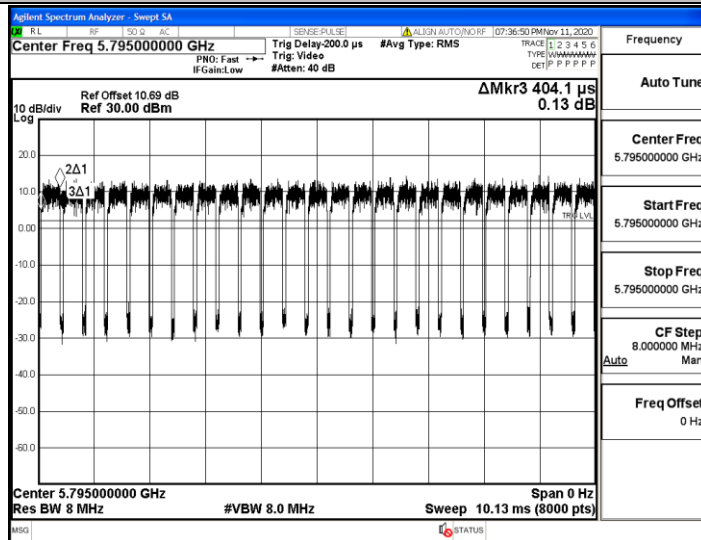
11N40MIMO_Ant1_5755



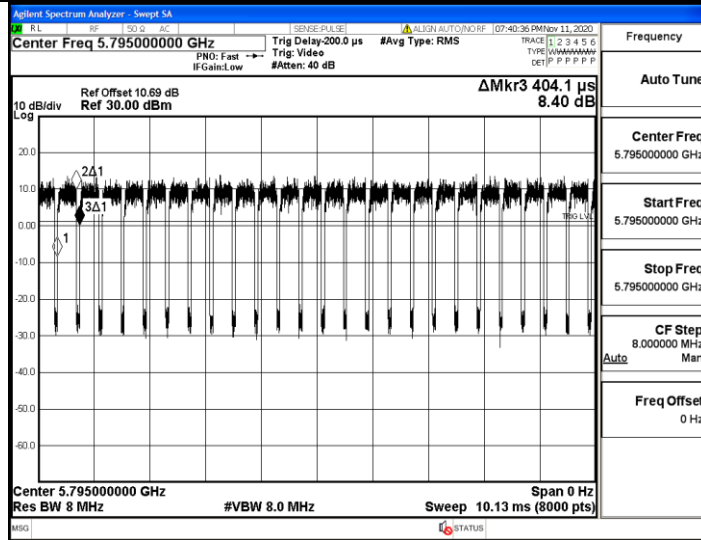
11N40MIMO_Ant2_5755



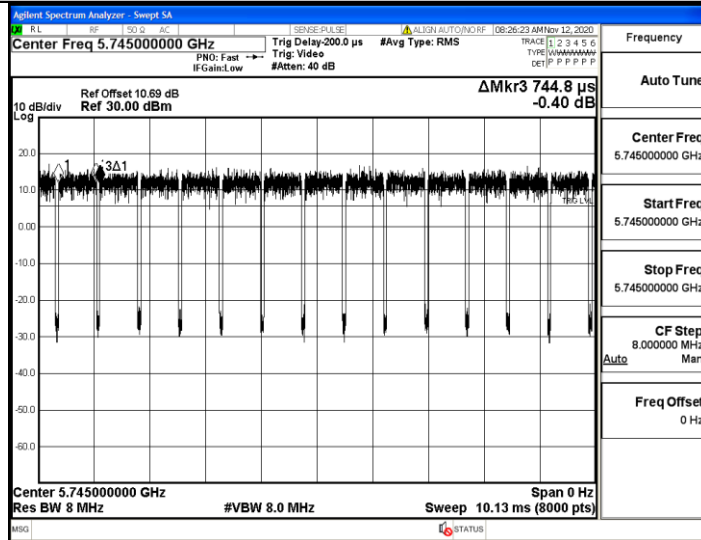
11N40MIMO_Ant1_5795



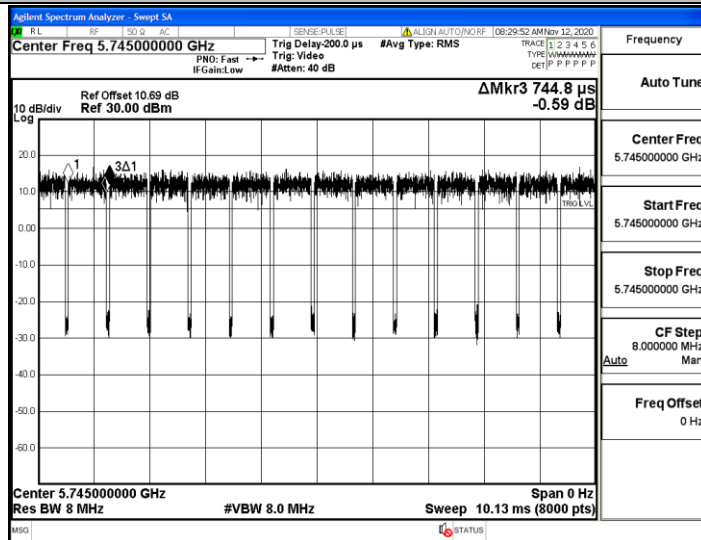
11N40MIMO_Ant2_5795



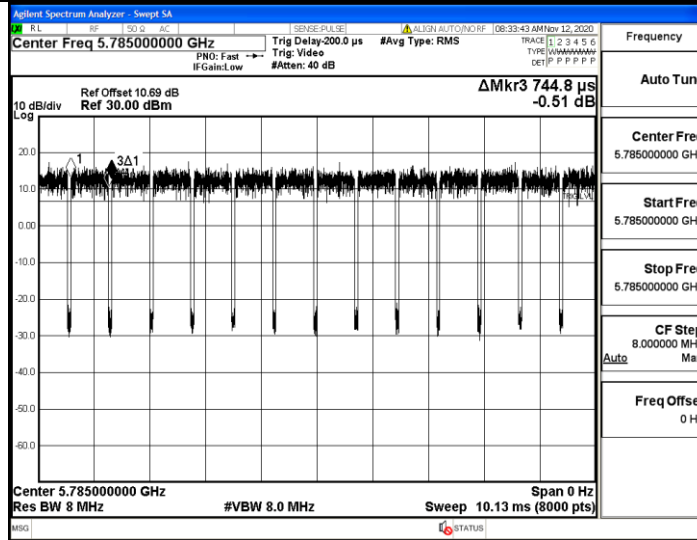
11AC20MIMO_Ant1_5745



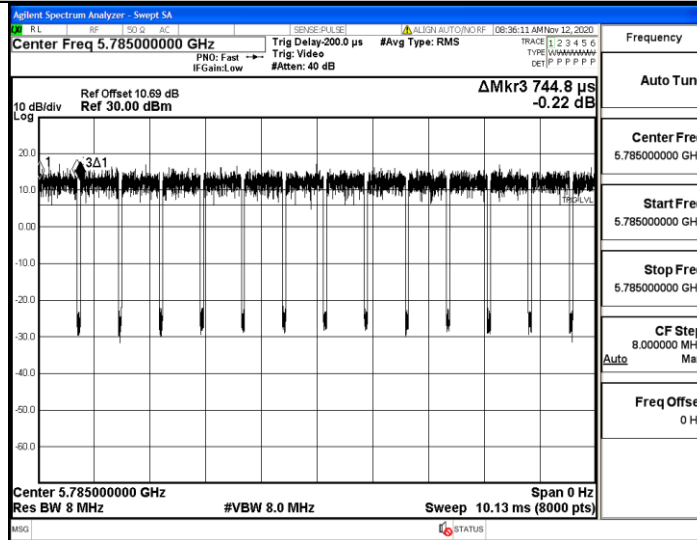
11AC20MIMO_Ant2_5745



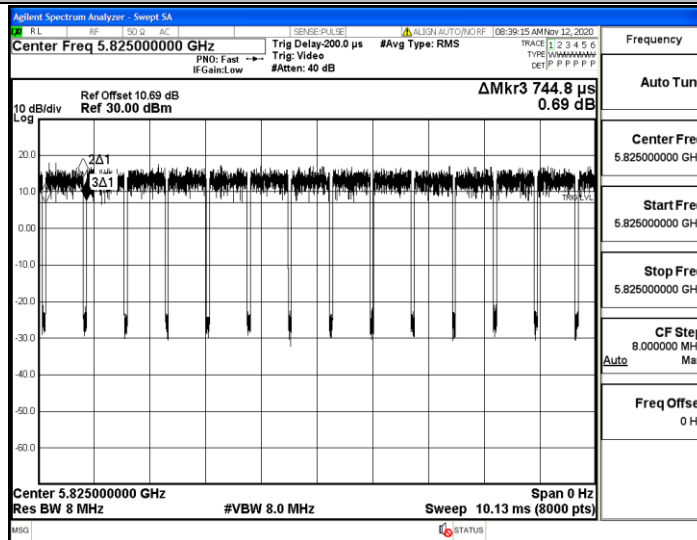
11AC20MIMO_Ant1_5785



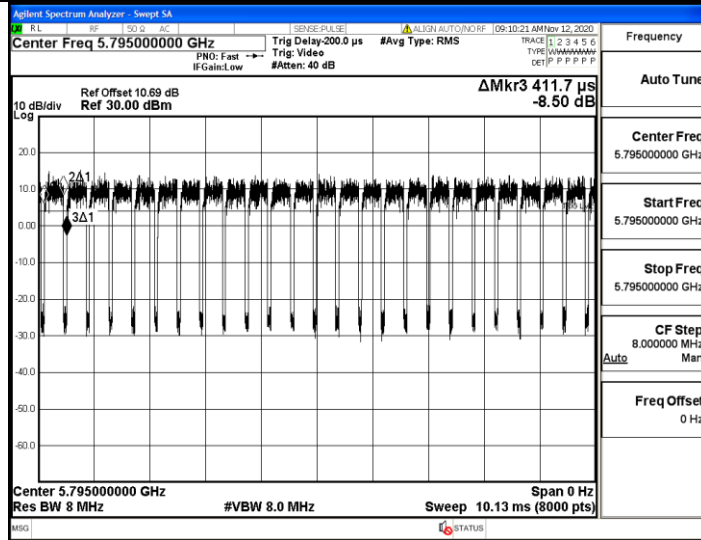
11AC20MIMO_Ant2_5785



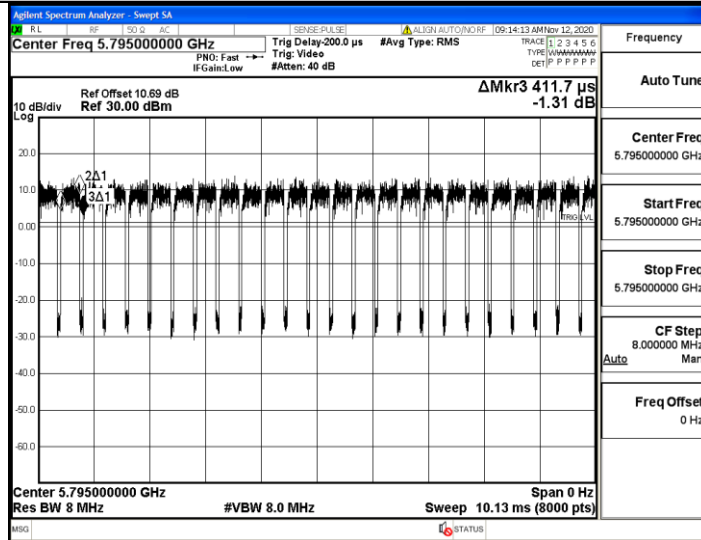
11AC20MIMO_Ant1_5825



11AC40MIMO_Ant1_5795



11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775

