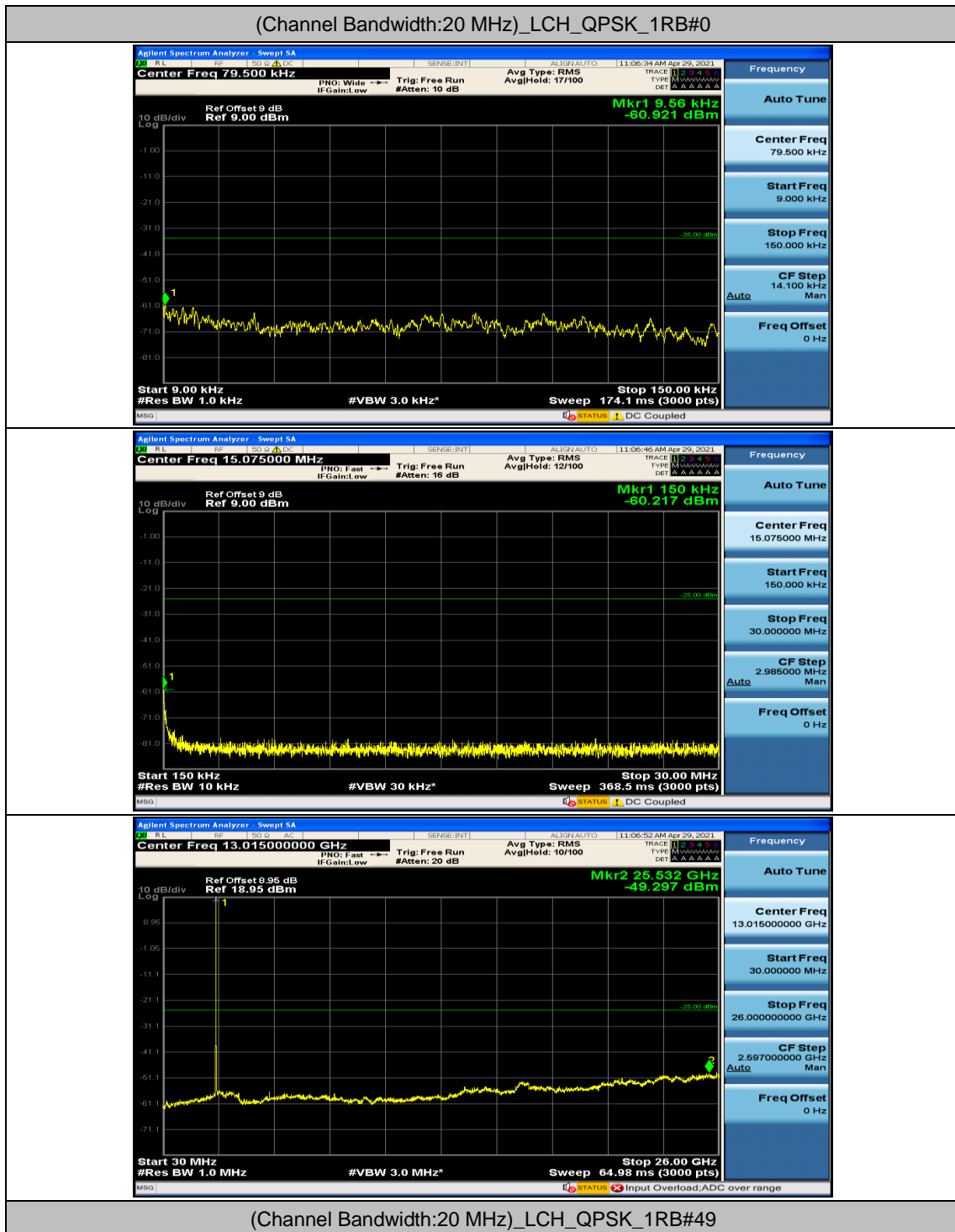
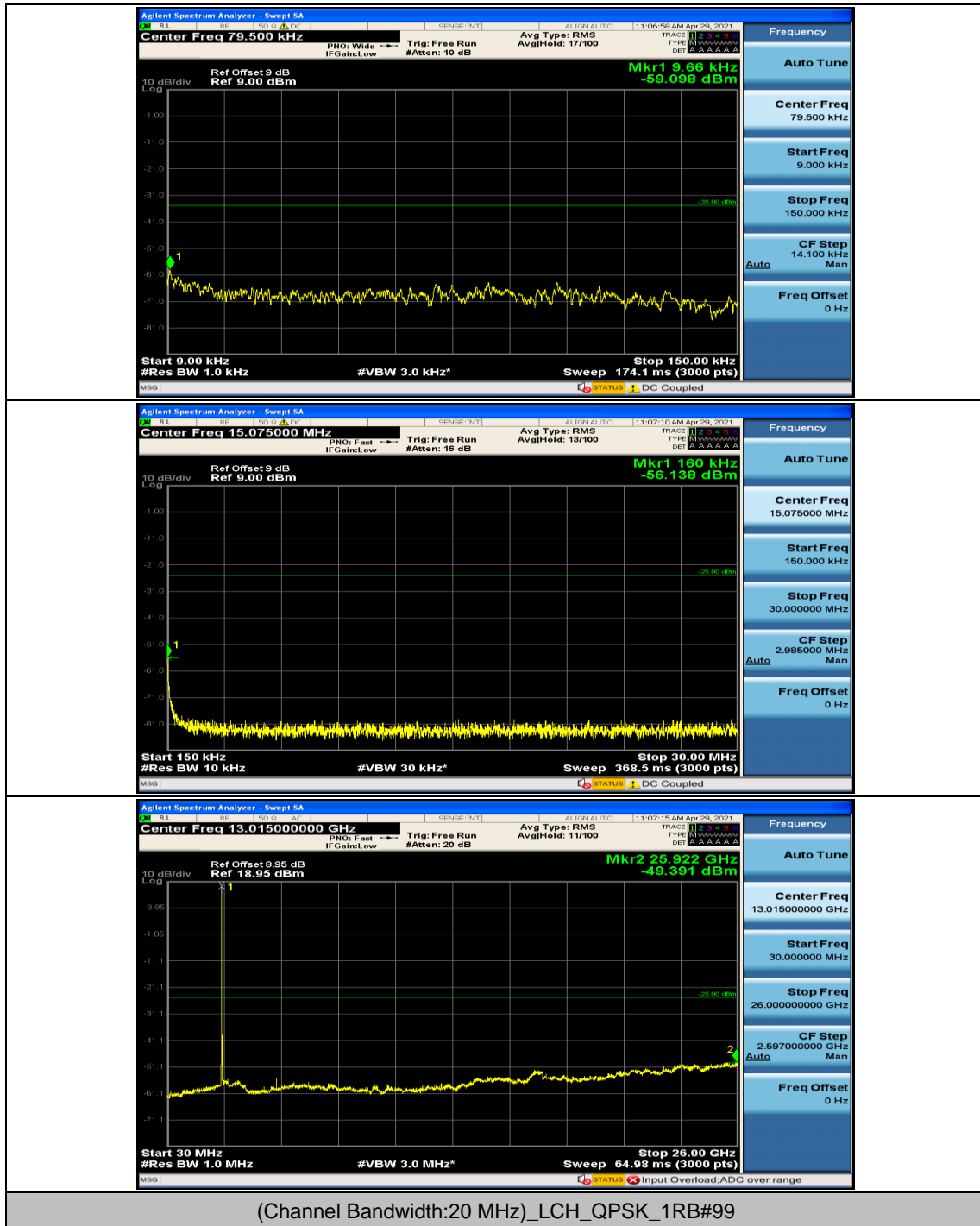
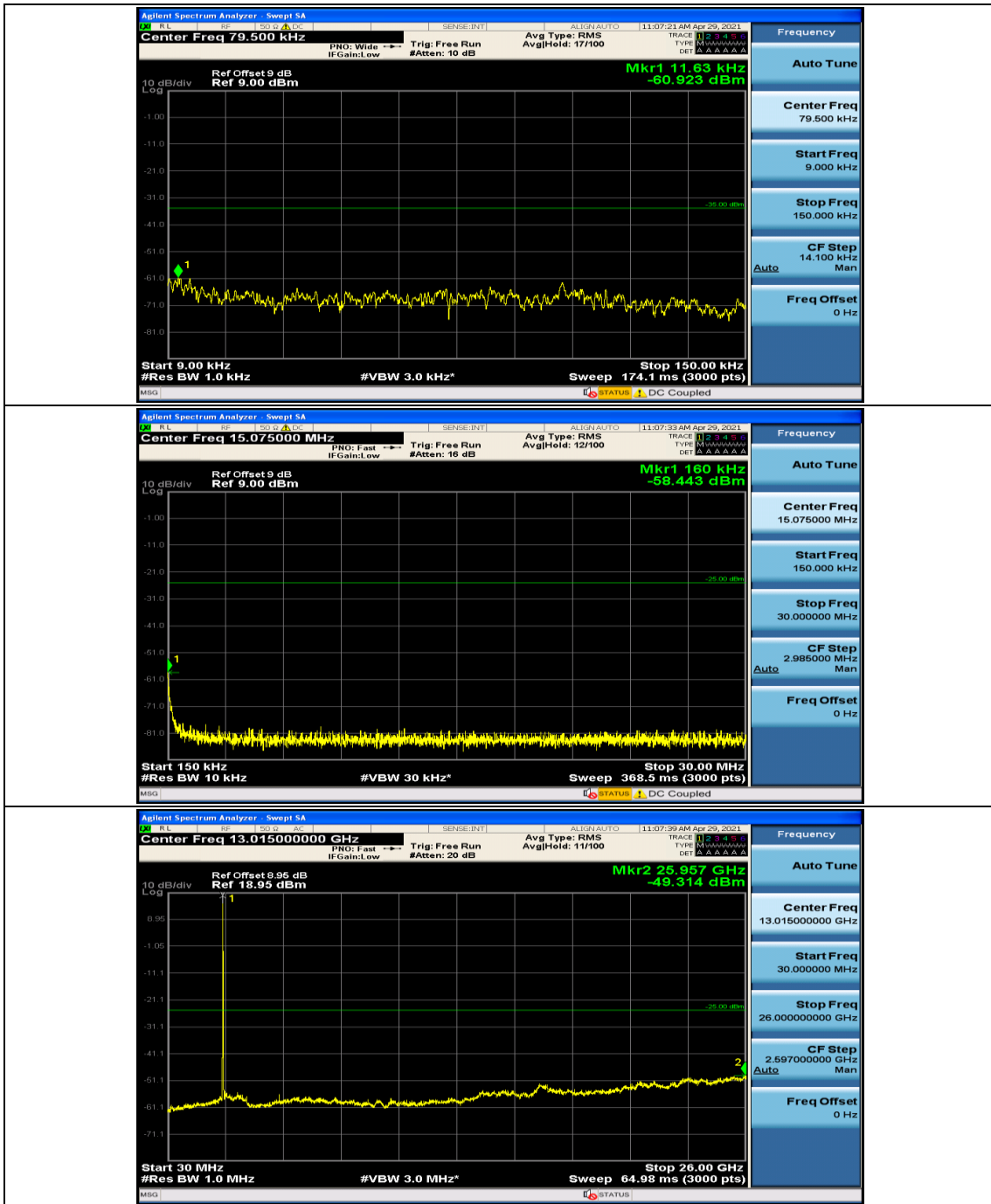
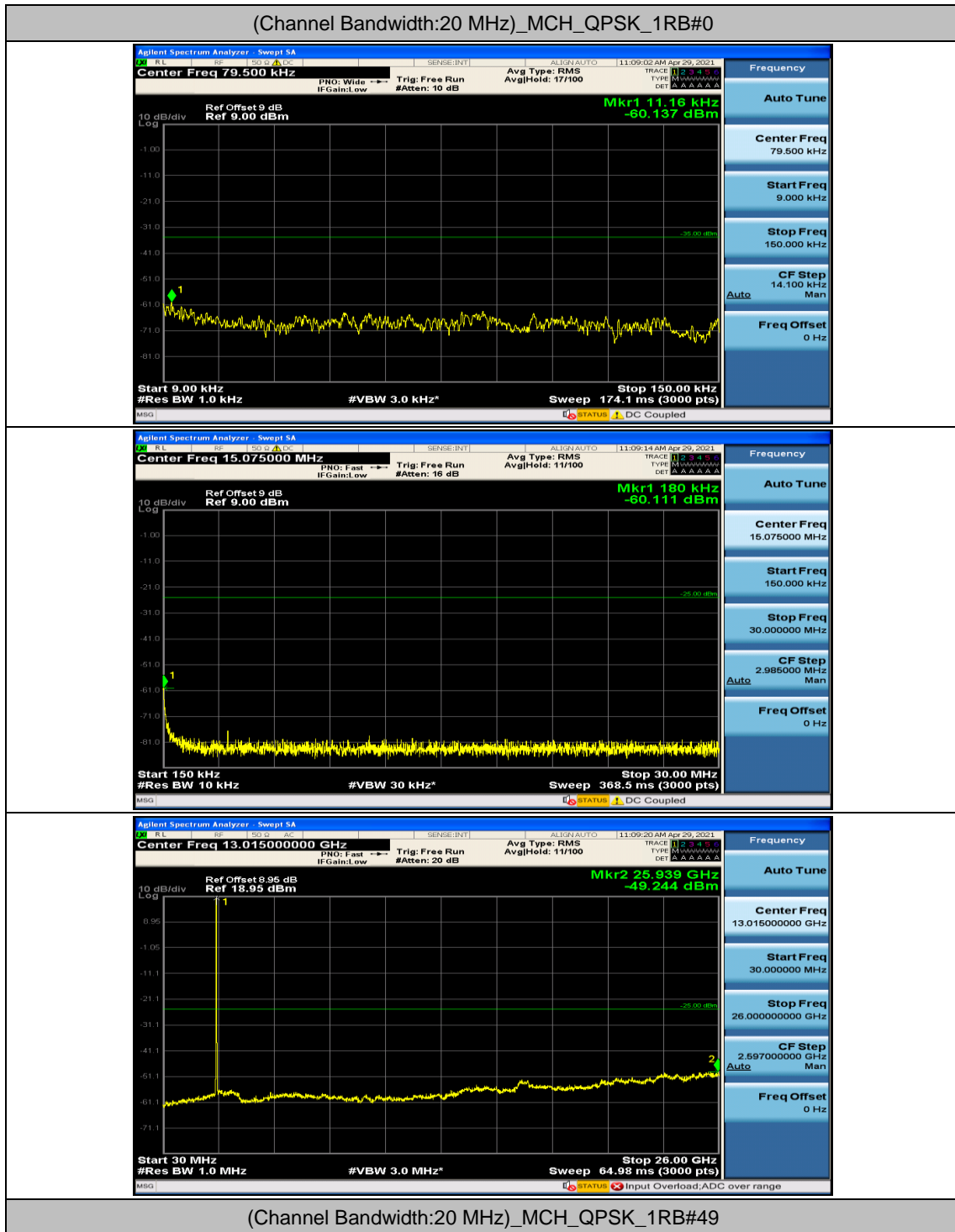


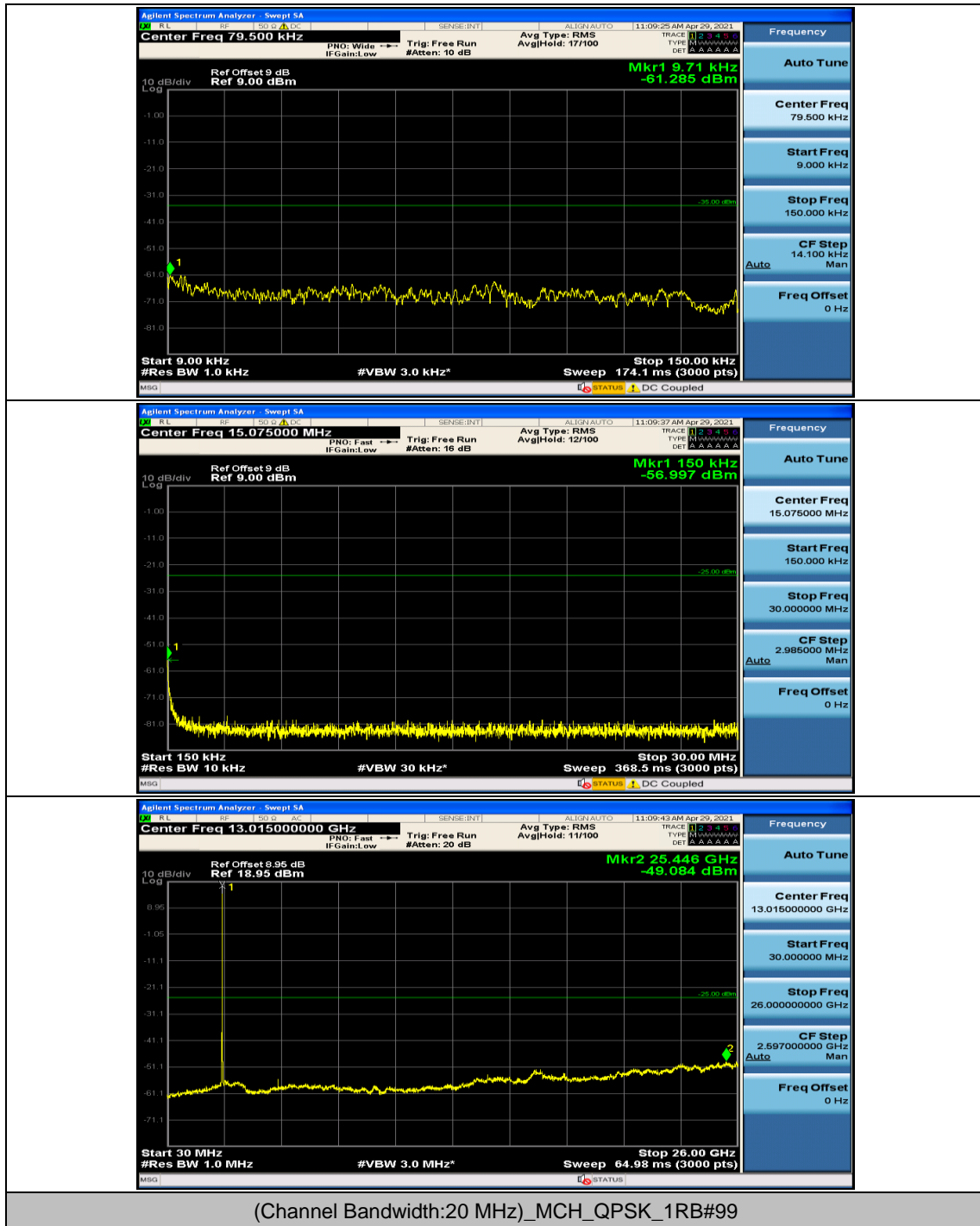
Channel Bandwidth: 20 MHz

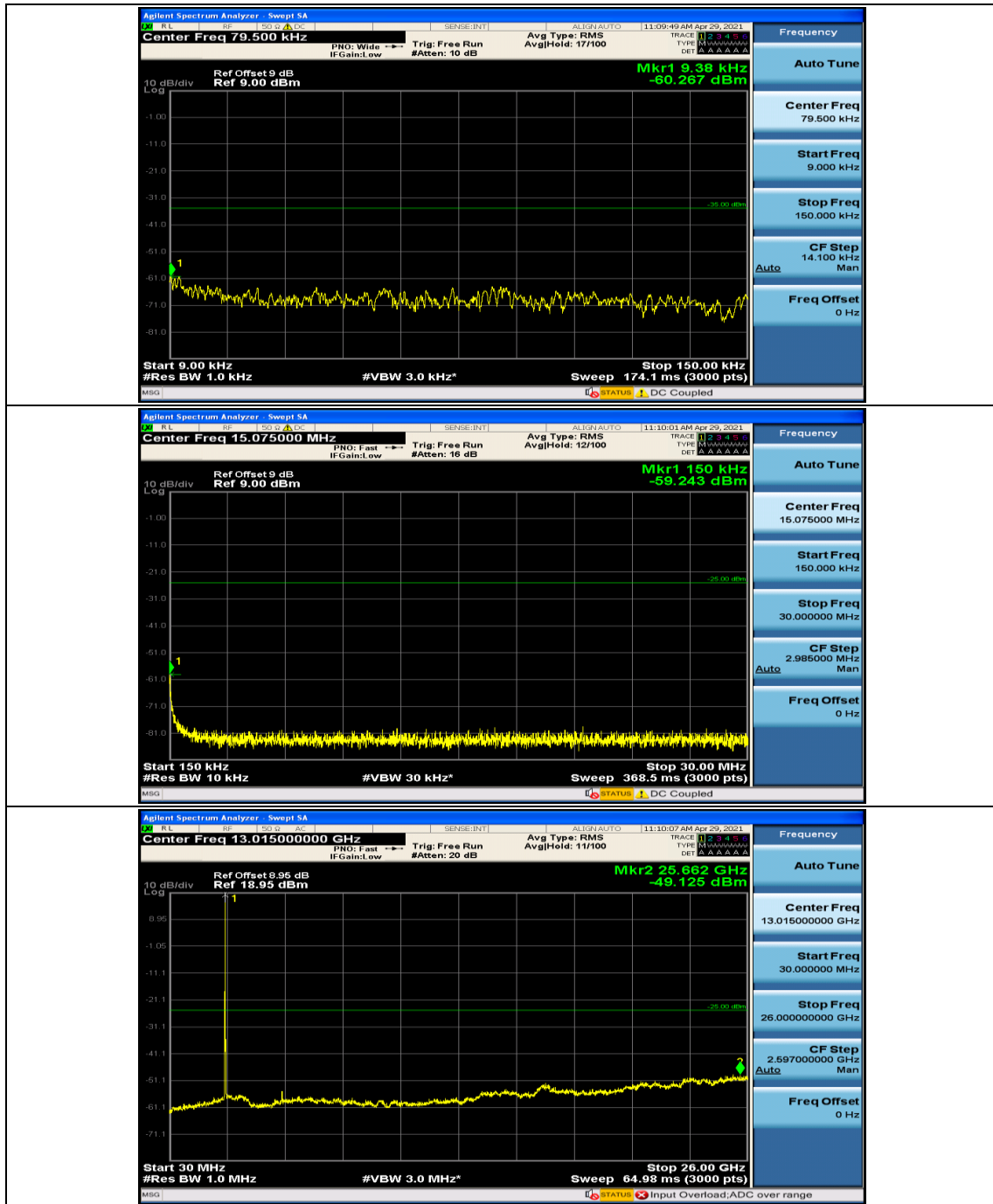


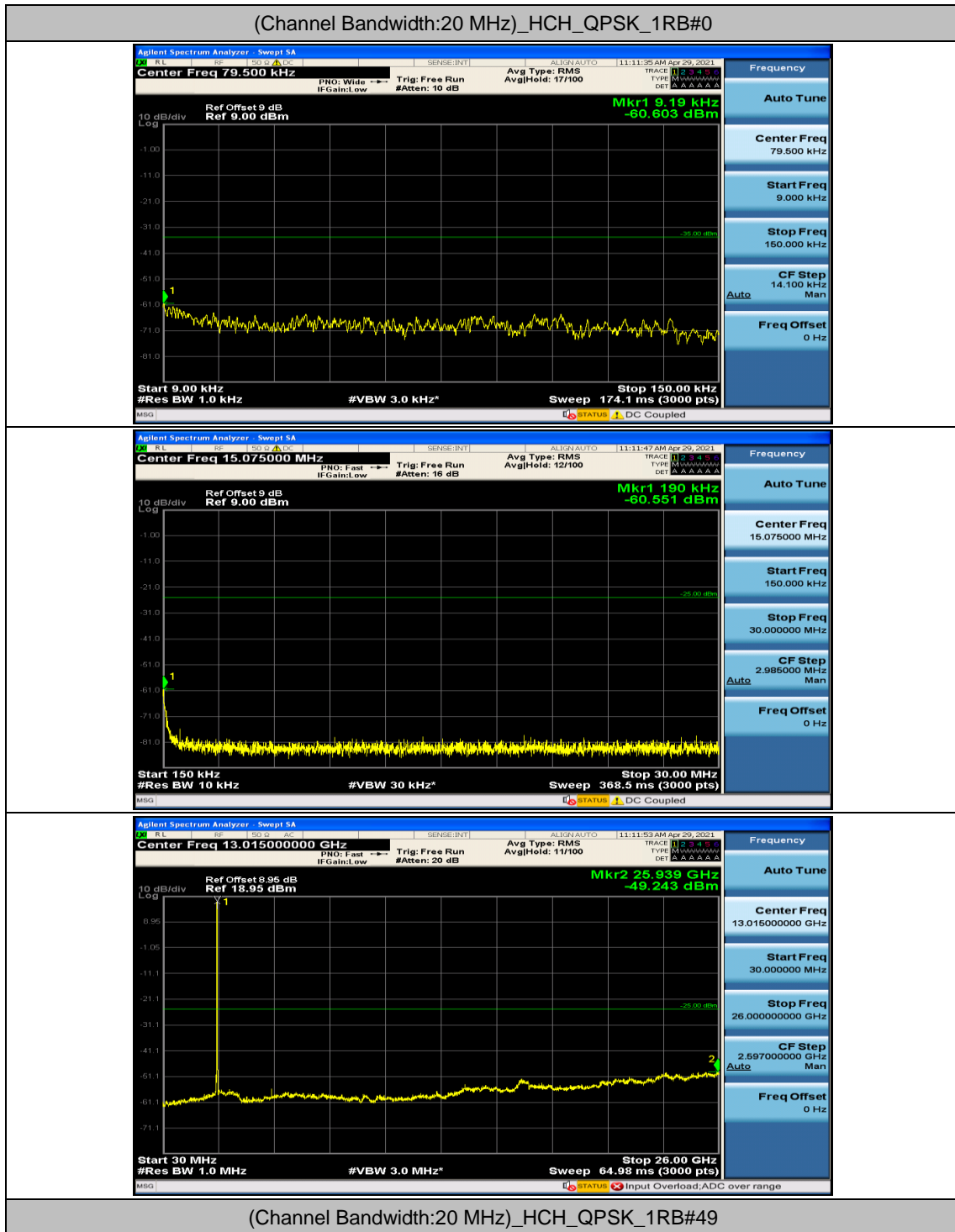


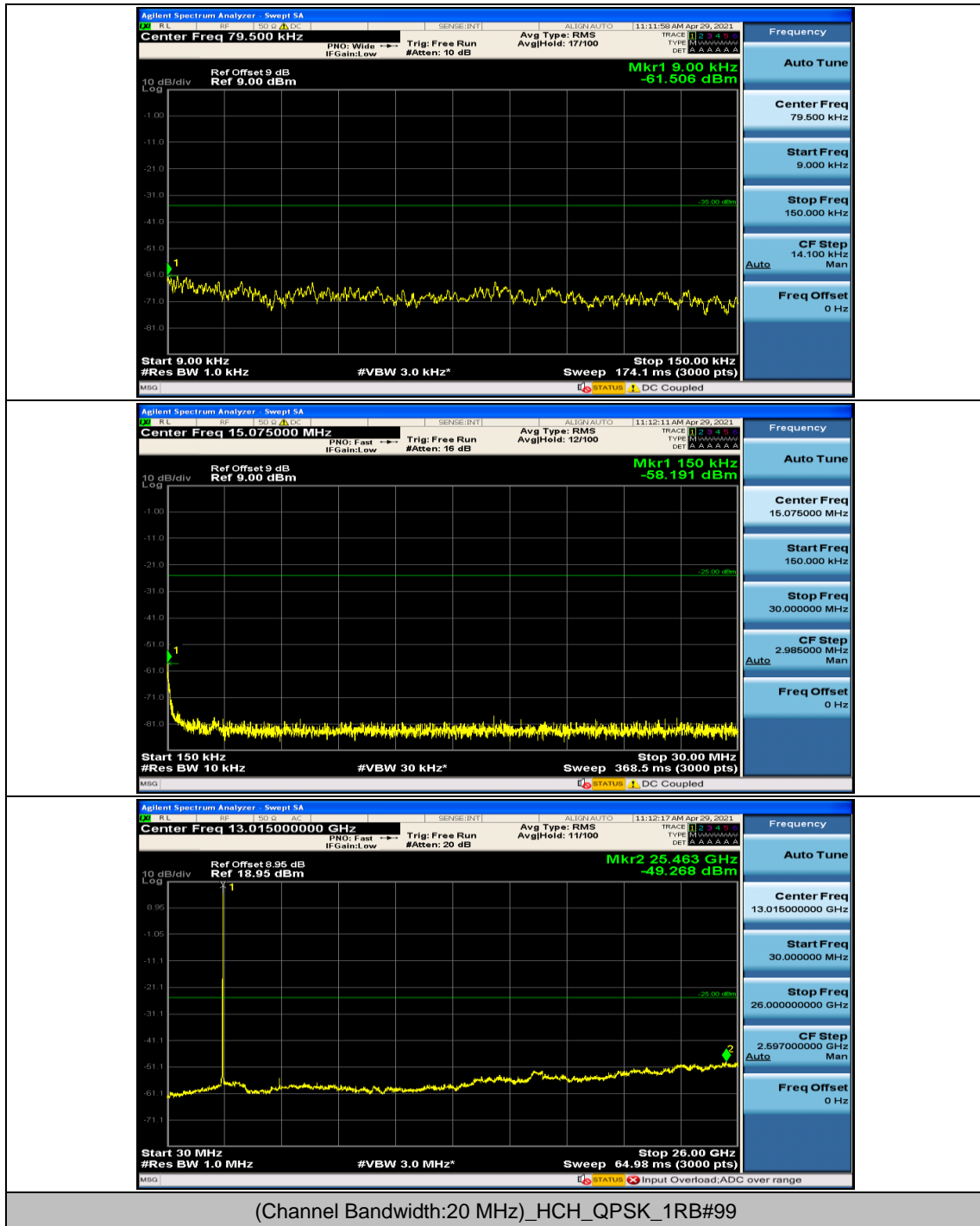


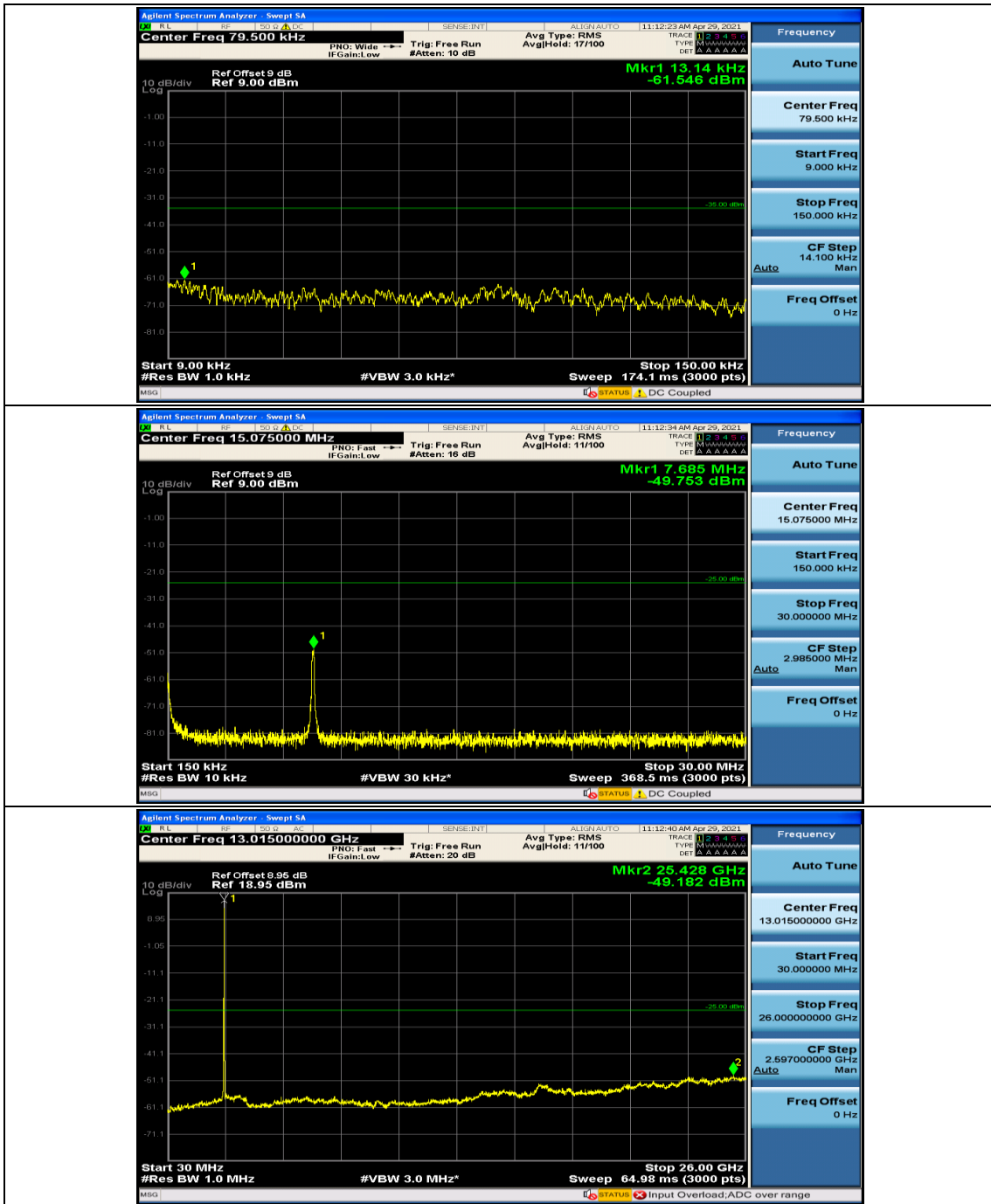


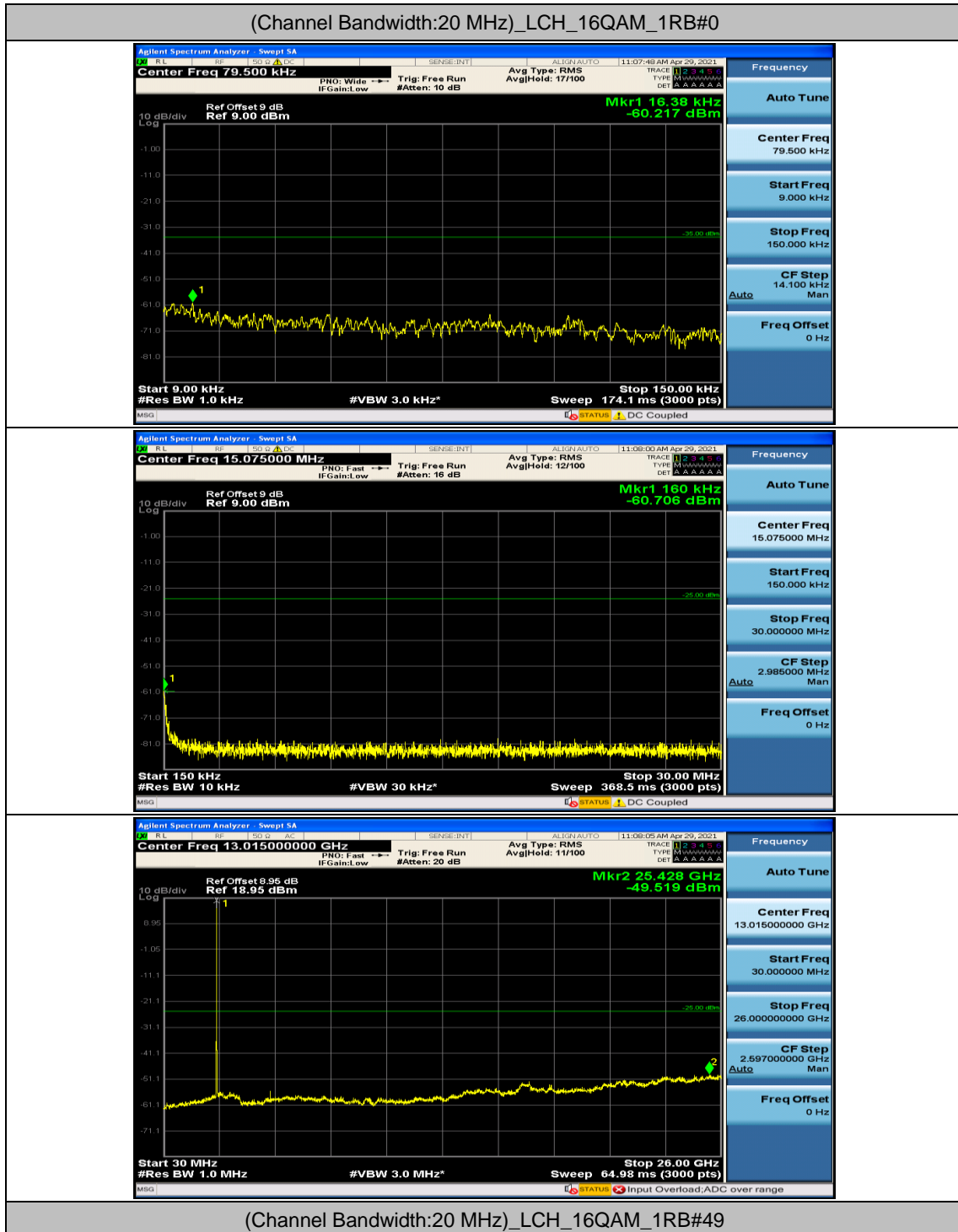


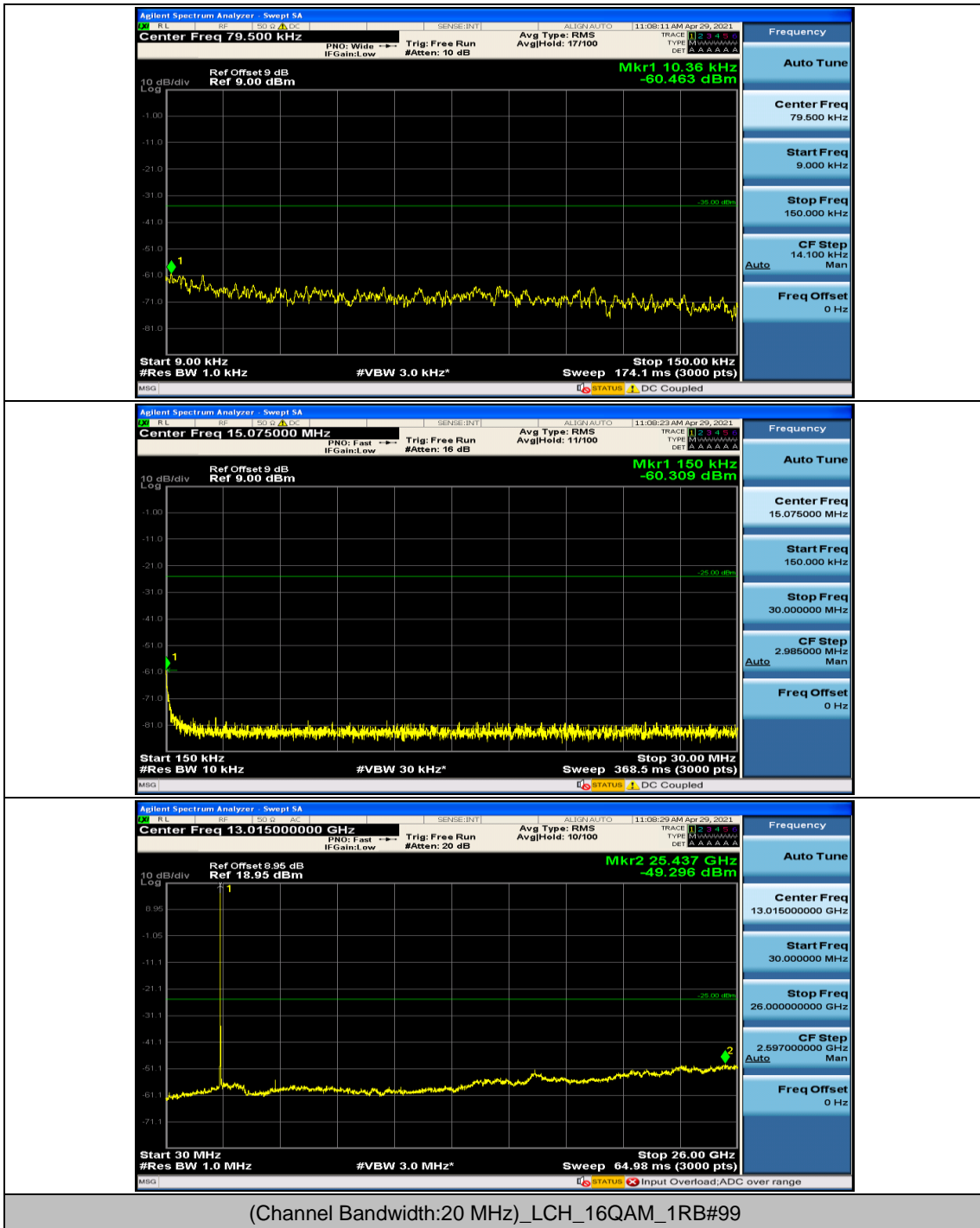


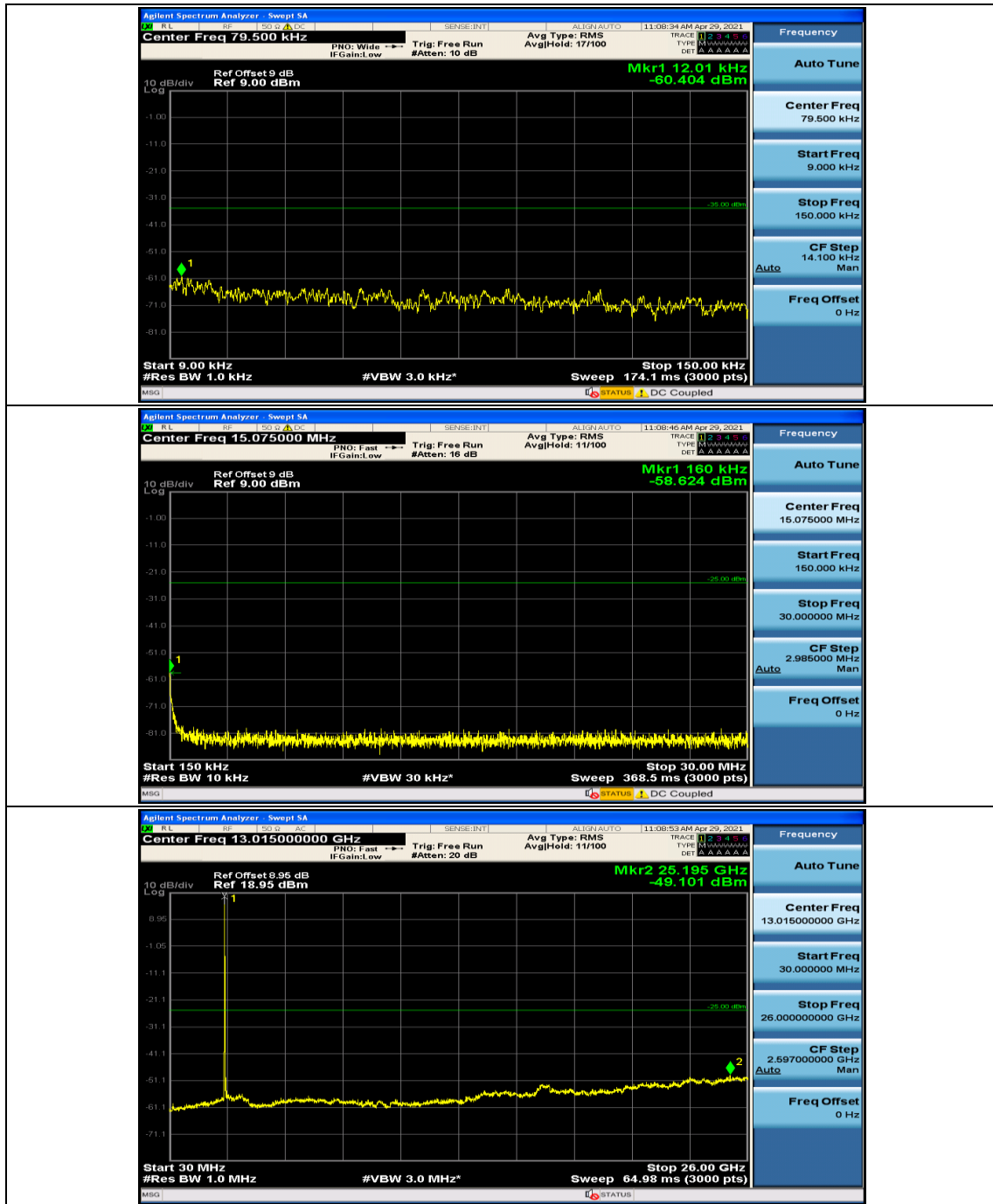


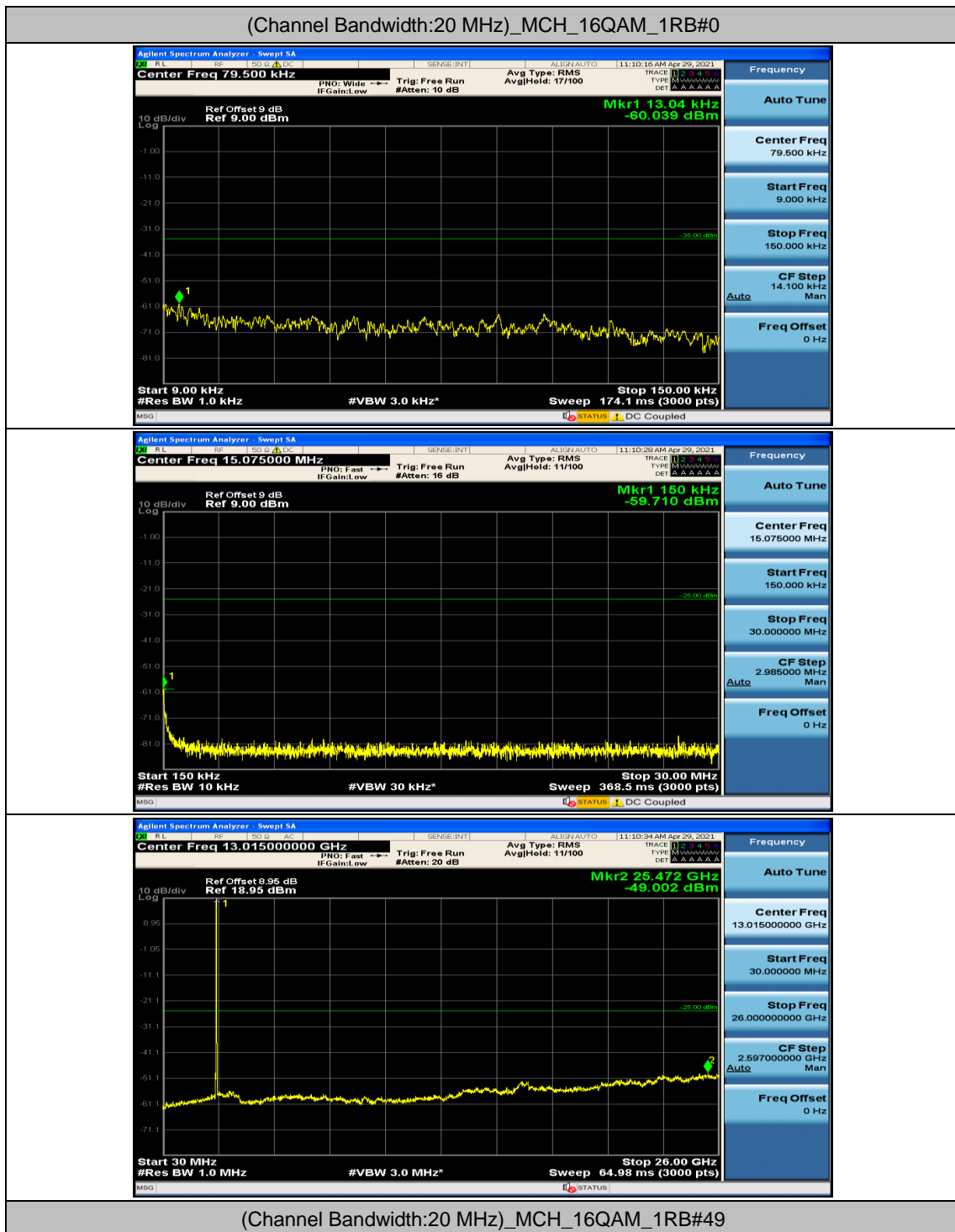


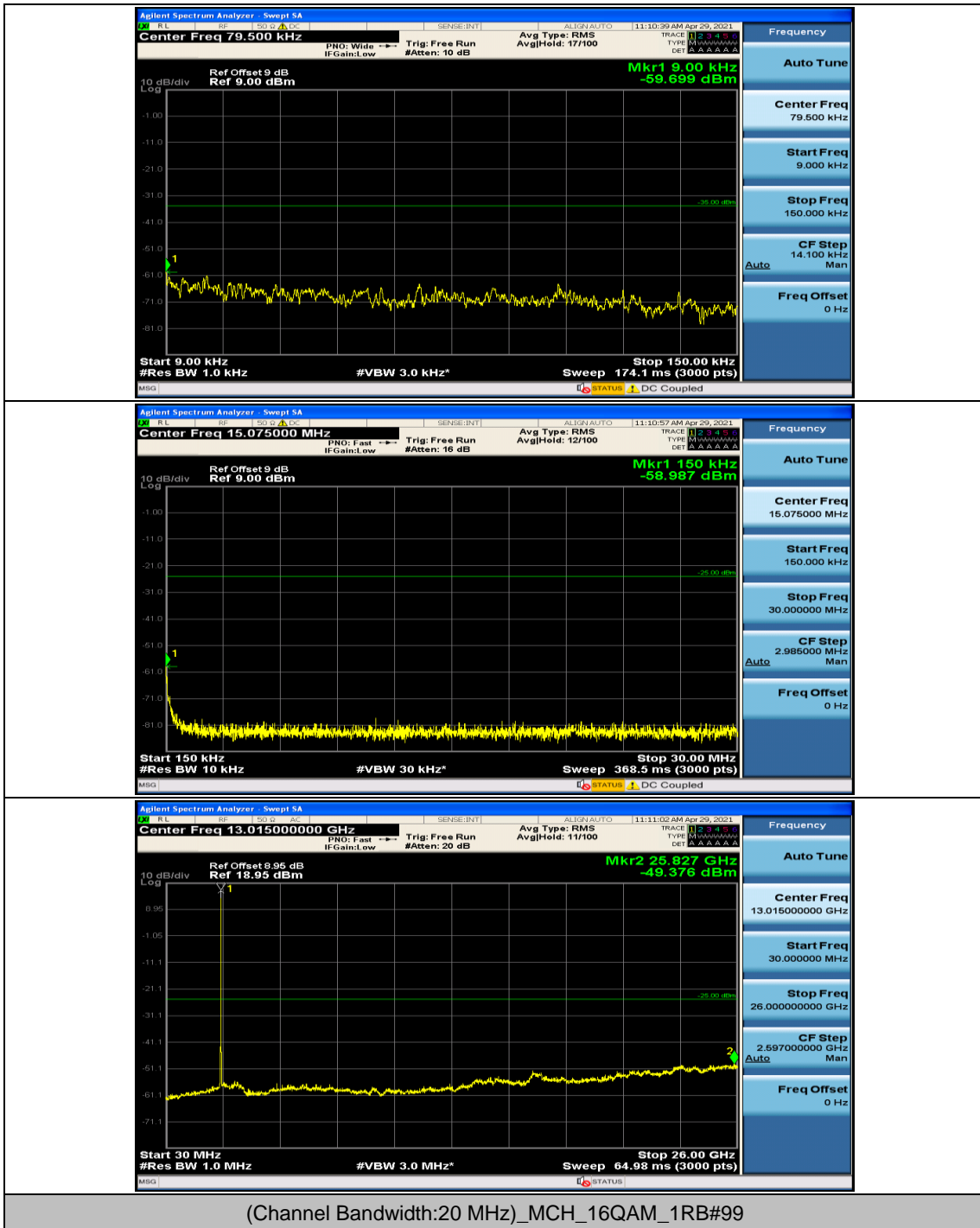


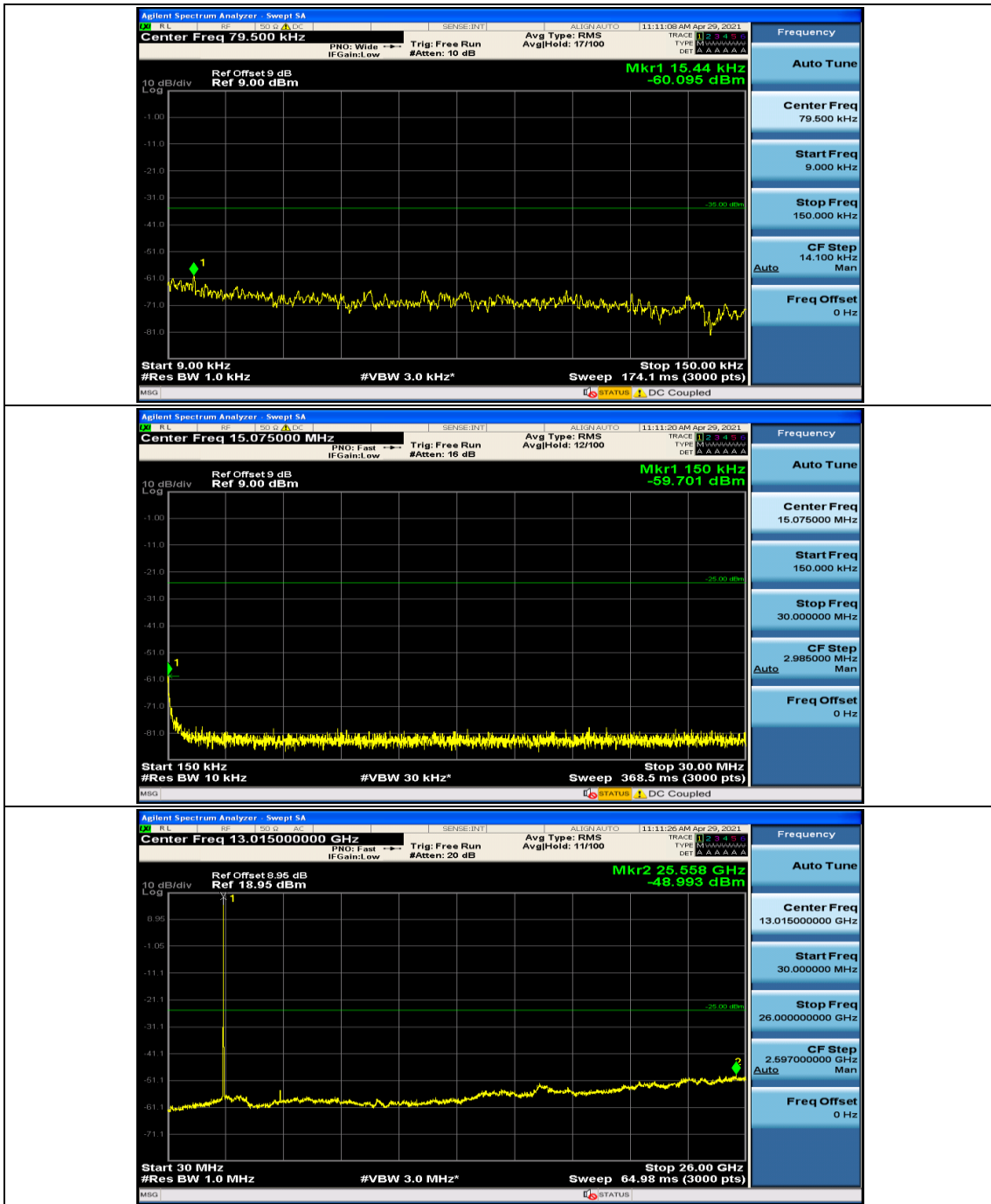


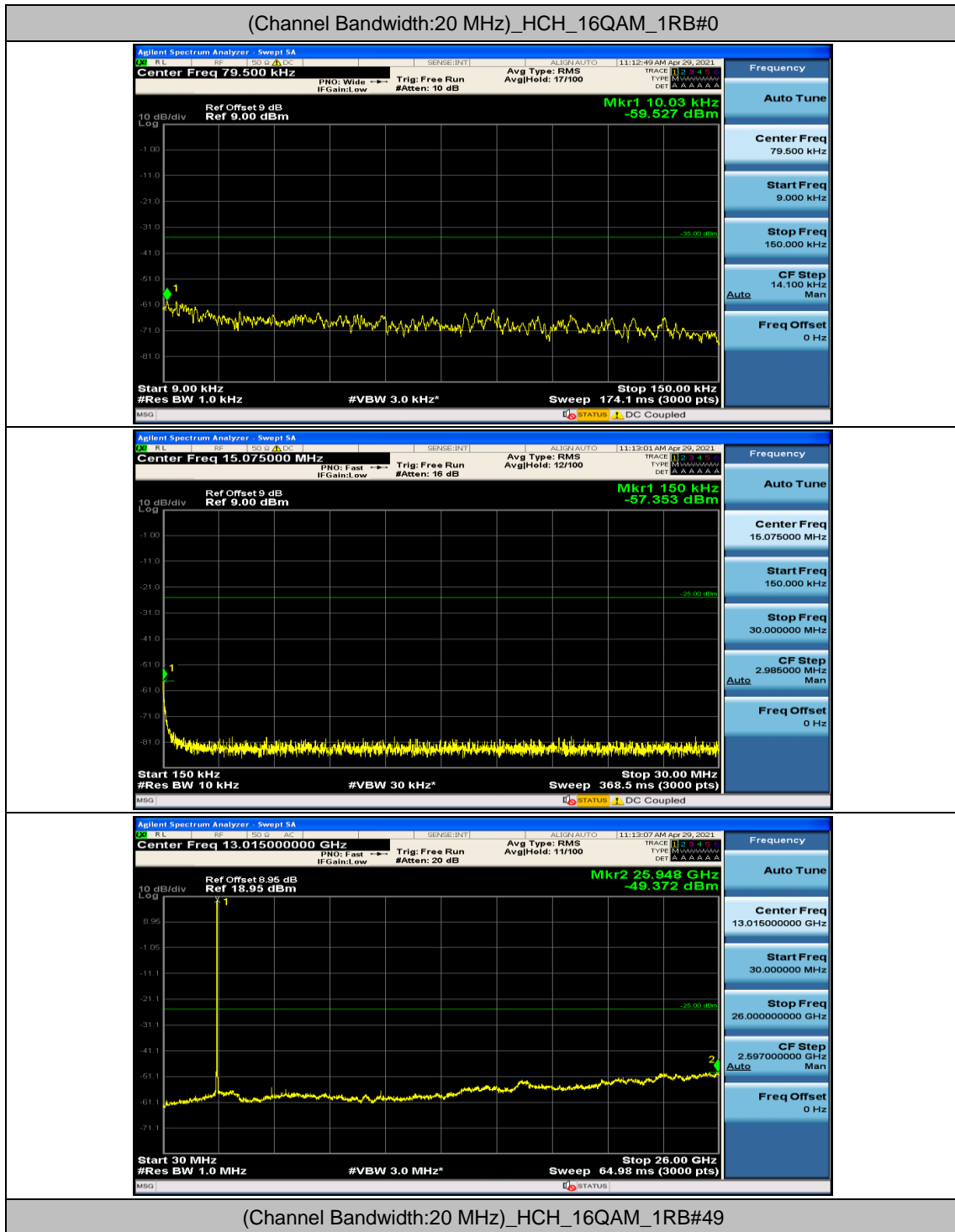


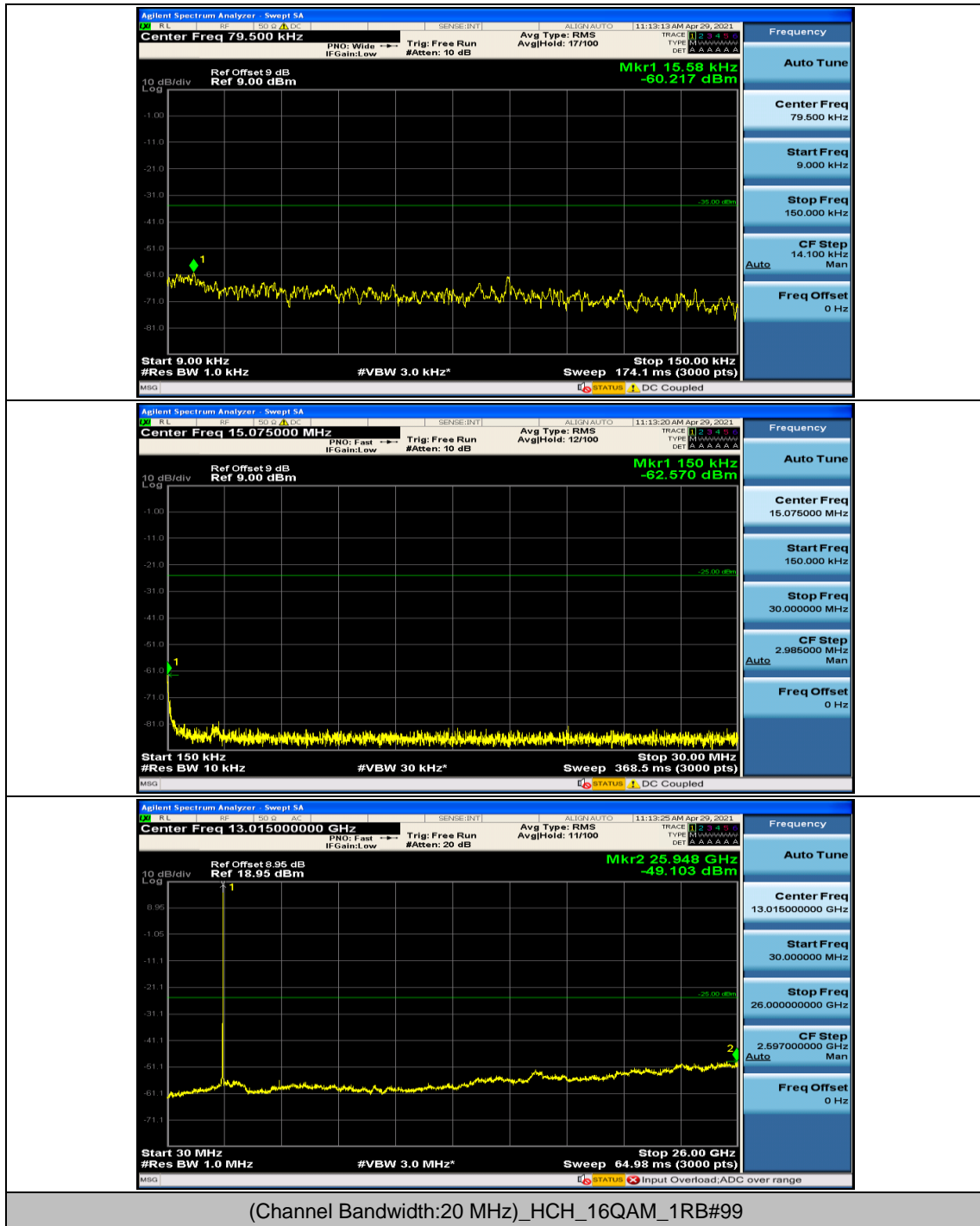


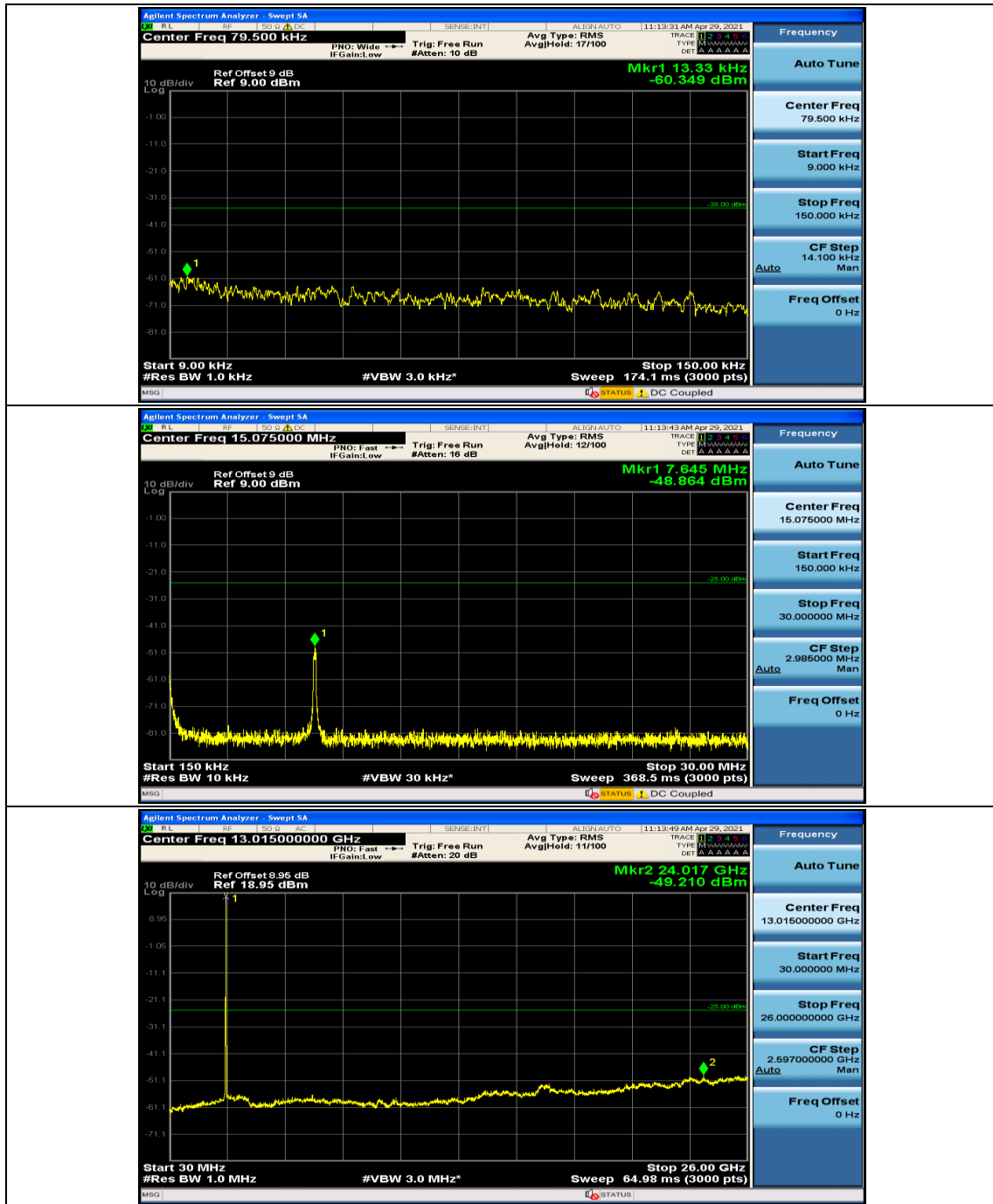












Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz | | | | | | | |
|--------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 4.67 | 0.001866 | ± 2.5 | PASS |
| | | VN | TN | 1.84 | 0.000735 | ± 2.5 | PASS |
| | | VH | TN | -1.61 | -0.000643 | ± 2.5 | PASS |
| | MCH | VL | TN | 1.51 | 0.000596 | ± 2.5 | PASS |
| | | VN | TN | 4.05 | 0.001598 | ± 2.5 | PASS |
| | | VH | TN | 3.88 | 0.001531 | ± 2.5 | PASS |
| | HCH | VL | TN | -0.68 | -0.000265 | ± 2.5 | PASS |
| | | VN | TN | -1.91 | -0.000744 | ± 2.5 | PASS |
| | | VH | TN | 3.71 | 0.001445 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 4.5 | 0.001798 | ± 2.5 | PASS |
| | | VN | TN | 2.04 | 0.000815 | ± 2.5 | PASS |
| | | VH | TN | 3.04 | 0.001215 | ± 2.5 | PASS |
| | MCH | VL | TN | 3.17 | 0.001250 | ± 2.5 | PASS |
| | | VN | TN | -0.35 | -0.000138 | ± 2.5 | PASS |
| | | VH | TN | 0.09 | 0.000036 | ± 2.5 | PASS |
| | HCH | VL | TN | 4.91 | 0.001912 | ± 2.5 | PASS |
| | | VN | TN | 4.84 | 0.001885 | ± 2.5 | PASS |
| | | VH | TN | 2.53 | 0.000985 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | 2.13 | 0.000851 | ± 2.5 | PASS |
| | | VN | -20 | -0.64 | -0.000256 | ± 2.5 | PASS |
| | | VN | -10 | -0.41 | -0.000164 | ± 2.5 | PASS |
| | | VN | 0 | -0.52 | -0.000208 | ± 2.5 | PASS |
| | | VN | 10 | 4.75 | 0.001898 | ± 2.5 | PASS |
| | | VN | 20 | 1.73 | 0.000691 | ± 2.5 | PASS |
| | | VN | 30 | -1.52 | -0.000607 | ± 2.5 | PASS |
| | | VN | 40 | 3.69 | 0.001475 | ± 2.5 | PASS |
| | | VN | 50 | 4.48 | 0.001790 | ± 2.5 | PASS |

| | | | | | | | |
|-------|-----|----|-----|-------|-----------|-------|------|
| | MCH | VN | -30 | -0.52 | -0.000205 | ± 2.5 | PASS |
| | | VN | -20 | 1.34 | 0.000529 | ± 2.5 | PASS |
| | | VN | -10 | 2.11 | 0.000832 | ± 2.5 | PASS |
| | | VN | 0 | 4.87 | 0.001921 | ± 2.5 | PASS |
| | | VN | 10 | 1.95 | 0.000769 | ± 2.5 | PASS |
| | | VN | 20 | 3.01 | 0.001187 | ± 2.5 | PASS |
| | | VN | 30 | -1.55 | -0.000611 | ± 2.5 | PASS |
| | | VN | 40 | 2.61 | 0.001030 | ± 2.5 | PASS |
| | | VN | 50 | 1.26 | 0.000497 | ± 2.5 | PASS |
| | HCH | VN | -30 | -0.98 | -0.000382 | ± 2.5 | PASS |
| | | VN | -20 | 0.34 | 0.000132 | ± 2.5 | PASS |
| | | VN | -10 | 4.88 | 0.001901 | ± 2.5 | PASS |
| | | VN | 0 | -1.96 | -0.000763 | ± 2.5 | PASS |
| | | VN | 10 | -0.57 | -0.000222 | ± 2.5 | PASS |
| | | VN | 20 | 0.22 | 0.000086 | ± 2.5 | PASS |
| | | VN | 30 | 0.97 | 0.000378 | ± 2.5 | PASS |
| | | VN | 40 | 4.83 | 0.001881 | ± 2.5 | PASS |
| | | VN | 50 | 0.45 | 0.000175 | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | -1.17 | -0.000468 | ± 2.5 | PASS |
| | | VN | -20 | 3.22 | 0.001287 | ± 2.5 | PASS |
| | | VN | -10 | 3.67 | 0.001467 | ± 2.5 | PASS |
| | | VN | 0 | 1.57 | 0.000627 | ± 2.5 | PASS |
| | | VN | 10 | 4.34 | 0.001734 | ± 2.5 | PASS |
| | | VN | 20 | 1.53 | 0.000611 | ± 2.5 | PASS |
| | | VN | 30 | 4.45 | 0.001778 | ± 2.5 | PASS |
| | | VN | 40 | 3.71 | 0.001483 | ± 2.5 | PASS |
| | | VN | 50 | -0.72 | -0.000288 | ± 2.5 | PASS |
| | MCH | VN | -30 | 4.41 | 0.001740 | ± 2.5 | PASS |
| | | VN | -20 | -0.59 | -0.000233 | ± 2.5 | PASS |
| | | VN | -10 | 4.94 | 0.001949 | ± 2.5 | PASS |
| | | VN | 0 | 0.58 | 0.000229 | ± 2.5 | PASS |
| | | VN | 10 | 0.17 | 0.000067 | ± 2.5 | PASS |
| | | VN | 20 | 1.99 | 0.000785 | ± 2.5 | PASS |
| | | VN | 30 | 3.6 | 0.001420 | ± 2.5 | PASS |
| | | VN | 40 | 2.77 | 0.001093 | ± 2.5 | PASS |
| | | VN | 50 | 4.48 | 0.001767 | ± 2.5 | PASS |
| | HCH | VN | -30 | 0.08 | 0.000031 | ± 2.5 | PASS |
| | | VN | -20 | 4.76 | 0.001854 | ± 2.5 | PASS |
| | | VN | -10 | 3.1 | 0.001207 | ± 2.5 | PASS |
| | | VN | 0 | 3.27 | 0.001274 | ± 2.5 | PASS |
| | | VN | 10 | 4.81 | 0.001873 | ± 2.5 | PASS |

| | | | | | | | |
|--|--|----|----|-------|-----------|-------|------|
| | | VN | 20 | 0.7 | 0.000273 | ± 2.5 | PASS |
| | | VN | 30 | 0.33 | 0.000129 | ± 2.5 | PASS |
| | | VN | 40 | -1.26 | -0.000491 | ± 2.5 | PASS |
| | | VN | 50 | 4.37 | 0.001702 | ± 2.5 | PASS |

Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz | | | | | | | |
|---------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 0.26 | 0.000104 | ± 2.5 | PASS |
| | | VN | TN | 2.85 | 0.001138 | ± 2.5 | PASS |
| | | VH | TN | 3.54 | 0.001413 | ± 2.5 | PASS |
| | MCH | VL | TN | 2.32 | 0.000915 | ± 2.5 | PASS |
| | | VN | TN | 0.5 | 0.000197 | ± 2.5 | PASS |
| | | VH | TN | -1.69 | -0.000667 | ± 2.5 | PASS |
| | HCH | VL | TN | 1.74 | 0.000678 | ± 2.5 | PASS |
| | | VN | TN | -1.44 | -0.000561 | ± 2.5 | PASS |
| | | VH | TN | 0.17 | 0.000066 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 3.41 | 0.001361 | ± 2.5 | PASS |
| | | VN | TN | 4.41 | 0.001760 | ± 2.5 | PASS |
| | | VH | TN | 1.15 | 0.000459 | ± 2.5 | PASS |
| | MCH | VL | TN | 1.67 | 0.000659 | ± 2.5 | PASS |
| | | VN | TN | 3.39 | 0.001337 | ± 2.5 | PASS |
| | | VH | TN | -1.73 | -0.000682 | ± 2.5 | PASS |
| | HCH | VL | TN | 0.89 | 0.000347 | ± 2.5 | PASS |
| | | VN | TN | 2.11 | 0.000823 | ± 2.5 | PASS |
| | | VH | TN | 1.84 | 0.000717 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | 1.97 | 0.000786 | ± 2.5 | PASS |
| | | VN | -20 | 4.1 | 0.001637 | ± 2.5 | PASS |
| | | VN | -10 | -1.6 | -0.000639 | ± 2.5 | PASS |
| | | VN | 0 | 0.52 | 0.000208 | ± 2.5 | PASS |
| | | VN | 10 | 1.43 | 0.000571 | ± 2.5 | PASS |
| | | VN | 20 | 4.94 | 0.001972 | ± 2.5 | PASS |
| | | VN | 30 | 0.81 | 0.000323 | ± 2.5 | PASS |
| | | VN | 40 | 0.92 | 0.000367 | ± 2.5 | PASS |
| | | VN | 50 | 3.57 | 0.001425 | ± 2.5 | PASS |
| | MCH | VN | -30 | 2.75 | 0.001085 | ± 2.5 | PASS |

| | | | | | | | |
|-----|-----|-------|-----|-------|-----------|-------|----------|
| | | VN | -20 | -0.69 | -0.000272 | ± 2.5 | PASS |
| | | VN | -10 | 0.02 | 0.000008 | ± 2.5 | PASS |
| | | VN | 0 | -0.05 | -0.000020 | ± 2.5 | PASS |
| | | VN | 10 | 4.48 | 0.001767 | ± 2.5 | PASS |
| | | VN | 20 | -1.16 | -0.000458 | ± 2.5 | PASS |
| | | VN | 30 | 2.85 | 0.001124 | ± 2.5 | PASS |
| | | VN | 40 | -0.49 | -0.000193 | ± 2.5 | PASS |
| | | VN | 50 | 2.42 | 0.000955 | ± 2.5 | PASS |
| | HCH | VN | -30 | 4.54 | 0.001770 | ± 2.5 | PASS |
| | | VN | -20 | 3.96 | 0.001544 | ± 2.5 | PASS |
| | | VN | -10 | -0.79 | -0.000308 | ± 2.5 | PASS |
| | | VN | 0 | 0.11 | 0.000043 | ± 2.5 | PASS |
| | | VN | 10 | 0.44 | 0.000172 | ± 2.5 | PASS |
| | | VN | 20 | 4.64 | 0.001809 | ± 2.5 | PASS |
| | | VN | 30 | -1.29 | -0.000503 | ± 2.5 | PASS |
| | | VN | 40 | 3.32 | 0.001294 | ± 2.5 | PASS |
| | | VN | 50 | 1.36 | 0.000530 | ± 2.5 | PASS |
| | | 16QAM | LCH | VN | -30 | 3.59 | 0.001433 |
| VN | -20 | | | -0.1 | -0.000040 | ± 2.5 | PASS |
| VN | -10 | | | -0.78 | -0.000311 | ± 2.5 | PASS |
| VN | 0 | | | 3.2 | 0.001277 | ± 2.5 | PASS |
| VN | 10 | | | -0.74 | -0.000295 | ± 2.5 | PASS |
| VN | 20 | | | -1.1 | -0.000439 | ± 2.5 | PASS |
| VN | 30 | | | 1.85 | 0.000739 | ± 2.5 | PASS |
| VN | 40 | | | 0.33 | 0.000132 | ± 2.5 | PASS |
| VN | 50 | | | 4.72 | 0.001884 | ± 2.5 | PASS |
| MCH | VN | | -30 | 2.62 | 0.001034 | ± 2.5 | PASS |
| | VN | | -20 | 4.22 | 0.001665 | ± 2.5 | PASS |
| | VN | | -10 | 3.14 | 0.001239 | ± 2.5 | PASS |
| | VN | | 0 | -0.99 | -0.000391 | ± 2.5 | PASS |
| | VN | | 10 | 2.92 | 0.001152 | ± 2.5 | PASS |
| | VN | | 20 | 3.07 | 0.001211 | ± 2.5 | PASS |
| | VN | | 30 | 1.44 | 0.000568 | ± 2.5 | PASS |
| | VN | | 40 | 4.45 | 0.001755 | ± 2.5 | PASS |
| | VN | | 50 | -0.81 | -0.000320 | ± 2.5 | PASS |
| HCH | VN | | -30 | 3.02 | 0.001177 | ± 2.5 | PASS |
| | VN | | -20 | 3.17 | 0.001236 | ± 2.5 | PASS |
| | VN | | -10 | -1.09 | -0.000425 | ± 2.5 | PASS |
| | VN | | 0 | 2.31 | 0.000901 | ± 2.5 | PASS |
| | VN | | 10 | 3.82 | 0.001489 | ± 2.5 | PASS |
| | VN | | 20 | -0.29 | -0.000113 | ± 2.5 | PASS |

| | | | | | | | |
|--|--|----|----|-------|-----------|-------|------|
| | | VN | 30 | 4.67 | 0.001821 | ± 2.5 | PASS |
| | | VN | 40 | 2.07 | 0.000807 | ± 2.5 | PASS |
| | | VN | 50 | -0.72 | -0.000281 | ± 2.5 | PASS |

Channel Bandwidth: 15 MHz

| Channel Bandwidth: 15 MHz | | | | | | | |
|---------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 4.67 | 0.001862 | ± 2.5 | PASS |
| | | VN | TN | 3.52 | 0.001404 | ± 2.5 | PASS |
| | | VH | TN | 0.02 | 0.000008 | ± 2.5 | PASS |
| | MCH | VL | TN | -0.9 | -0.000355 | ± 2.5 | PASS |
| | | VN | TN | 1.44 | 0.000568 | ± 2.5 | PASS |
| | | VH | TN | 4.18 | 0.001649 | ± 2.5 | PASS |
| | HCH | VL | TN | 3.02 | 0.001179 | ± 2.5 | PASS |
| | | VN | TN | -0.72 | -0.000281 | ± 2.5 | PASS |
| | | VH | TN | 2.11 | 0.000823 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 4.4 | 0.001755 | ± 2.5 | PASS |
| | | VN | TN | 4.49 | 0.001791 | ± 2.5 | PASS |
| | | VH | TN | 1.5 | 0.000598 | ± 2.5 | PASS |
| | MCH | VL | TN | 4.75 | 0.001874 | ± 2.5 | PASS |
| | | VN | TN | 4.42 | 0.001744 | ± 2.5 | PASS |
| | | VH | TN | 2.04 | 0.000805 | ± 2.5 | PASS |
| | HCH | VL | TN | -1.25 | -0.000488 | ± 2.5 | PASS |
| | | VN | TN | 1.76 | 0.000687 | ± 2.5 | PASS |
| | | VH | TN | 1.84 | 0.000718 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | 3.54 | 0.001412 | ± 2.5 | PASS |
| | | VN | -20 | 3.56 | 0.001420 | ± 2.5 | PASS |
| | | VN | -10 | 1.4 | 0.000558 | ± 2.5 | PASS |
| | | VN | 0 | 0.38 | 0.000152 | ± 2.5 | PASS |
| | | VN | 10 | -0.6 | -0.000239 | ± 2.5 | PASS |
| | | VN | 20 | -1.09 | -0.000435 | ± 2.5 | PASS |
| | | VN | 30 | 0.67 | 0.000267 | ± 2.5 | PASS |
| | | VN | 40 | 2.98 | 0.001188 | ± 2.5 | PASS |
| | | VN | 50 | 1.3 | 0.000518 | ± 2.5 | PASS |
| | MCH | VN | -30 | 2.89 | 0.001140 | ± 2.5 | PASS |
| | | VN | -20 | 2.27 | 0.000895 | ± 2.5 | PASS |

| | | | | | | | | | |
|-----|-----|-------|-----|-------|-----------|-------|----------|-------|------|
| | | VN | -10 | -0.75 | -0.000296 | ± 2.5 | PASS | | |
| | | VN | 0 | 4.24 | 0.001673 | ± 2.5 | PASS | | |
| | | VN | 10 | -1.42 | -0.000560 | ± 2.5 | PASS | | |
| | | VN | 20 | 2.95 | 0.001164 | ± 2.5 | PASS | | |
| | | VN | 30 | 1.31 | 0.000517 | ± 2.5 | PASS | | |
| | | VN | 40 | 3.86 | 0.001523 | ± 2.5 | PASS | | |
| | | VN | 50 | -1.03 | -0.000406 | ± 2.5 | PASS | | |
| | HCH | VN | -30 | 4.56 | 0.001780 | ± 2.5 | PASS | | |
| | | VN | -20 | 3.63 | 0.001417 | ± 2.5 | PASS | | |
| | | VN | -10 | 2.04 | 0.000796 | ± 2.5 | PASS | | |
| | | VN | 0 | 0.68 | 0.000265 | ± 2.5 | PASS | | |
| | | VN | 10 | -1.69 | -0.000660 | ± 2.5 | PASS | | |
| | | VN | 20 | 2.6 | 0.001015 | ± 2.5 | PASS | | |
| | | VN | 30 | 3.9 | 0.001522 | ± 2.5 | PASS | | |
| | | VN | 40 | 3.95 | 0.001541 | ± 2.5 | PASS | | |
| | | VN | 50 | 0.97 | 0.000379 | ± 2.5 | PASS | | |
| | | 16QAM | LCH | VN | -30 | 2.85 | 0.001137 | ± 2.5 | PASS |
| | | | | VN | -20 | 3.87 | 0.001543 | ± 2.5 | PASS |
| VN | -10 | | | 2.19 | 0.000873 | ± 2.5 | PASS | | |
| VN | 0 | | | 1.1 | 0.000439 | ± 2.5 | PASS | | |
| VN | 10 | | | 0.41 | 0.000164 | ± 2.5 | PASS | | |
| VN | 20 | | | -1.17 | -0.000467 | ± 2.5 | PASS | | |
| VN | 30 | | | 1.71 | 0.000682 | ± 2.5 | PASS | | |
| VN | 40 | | | 0.54 | 0.000215 | ± 2.5 | PASS | | |
| VN | 50 | | | -0.87 | -0.000347 | ± 2.5 | PASS | | |
| MCH | VN | | -30 | 0.27 | 0.000107 | ± 2.5 | PASS | | |
| | VN | | -20 | 0.42 | 0.000166 | ± 2.5 | PASS | | |
| | VN | | -10 | 1.45 | 0.000572 | ± 2.5 | PASS | | |
| | VN | | 0 | 2.38 | 0.000939 | ± 2.5 | PASS | | |
| | VN | | 10 | 1.17 | 0.000462 | ± 2.5 | PASS | | |
| | VN | | 20 | -0.85 | -0.000335 | ± 2.5 | PASS | | |
| | VN | | 30 | -0.41 | -0.000162 | ± 2.5 | PASS | | |
| | VN | | 40 | 3.46 | 0.001365 | ± 2.5 | PASS | | |
| | VN | | 50 | 4.67 | 0.001842 | ± 2.5 | PASS | | |
| HCH | VN | | -30 | 1.89 | 0.000738 | ± 2.5 | PASS | | |
| | VN | | -20 | 1.32 | 0.000515 | ± 2.5 | PASS | | |
| | VN | | -10 | 2.6 | 0.001015 | ± 2.5 | PASS | | |
| | VN | | 0 | 3.7 | 0.001444 | ± 2.5 | PASS | | |
| | VN | | 10 | 1.72 | 0.000671 | ± 2.5 | PASS | | |
| | VN | | 20 | 3.24 | 0.001264 | ± 2.5 | PASS | | |
| | VN | | 30 | 1.15 | 0.000449 | ± 2.5 | PASS | | |

| | | | | | | | |
|--|--|----|----|------|----------|-------|------|
| | | VN | 40 | 0.17 | 0.000066 | ± 2.5 | PASS |
| | | VN | 50 | 3.46 | 0.001350 | ± 2.5 | PASS |

Channel Bandwidth: 20 MHz

| Channel Bandwidth: 20 MHz | | | | | | | |
|---------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 1.13 | 0.000450 | ± 2.5 | PASS |
| | | VN | TN | 2.97 | 0.001183 | ± 2.5 | PASS |
| | | VH | TN | -2 | -0.000797 | ± 2.5 | PASS |
| | MCH | VL | TN | 0.99 | 0.000391 | ± 2.5 | PASS |
| | | VN | TN | 2.56 | 0.001010 | ± 2.5 | PASS |
| | | VH | TN | 2.3 | 0.000907 | ± 2.5 | PASS |
| | HCH | VL | TN | 1.81 | 0.000707 | ± 2.5 | PASS |
| | | VN | TN | 4.95 | 0.001934 | ± 2.5 | PASS |
| | | VH | TN | -1.99 | -0.000777 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 3.49 | 0.001390 | ± 2.5 | PASS |
| | | VN | TN | 0.45 | 0.000179 | ± 2.5 | PASS |
| | | VH | TN | -0.02 | -0.000008 | ± 2.5 | PASS |
| | MCH | VL | TN | 3.73 | 0.001471 | ± 2.5 | PASS |
| | | VN | TN | 1.5 | 0.000592 | ± 2.5 | PASS |
| | | VH | TN | 0.31 | 0.000122 | ± 2.5 | PASS |
| | HCH | VL | TN | 0.86 | 0.000336 | ± 2.5 | PASS |
| | | VN | TN | 1.73 | 0.000676 | ± 2.5 | PASS |
| | | VH | TN | -0.74 | -0.000289 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | -1.45 | -0.000578 | ± 2.5 | PASS |
| | | VN | -20 | 4.94 | 0.001968 | ± 2.5 | PASS |
| | | VN | -10 | 0.01 | 0.000004 | ± 2.5 | PASS |
| | | VN | 0 | -0.46 | -0.000183 | ± 2.5 | PASS |
| | | VN | 10 | -1.76 | -0.000701 | ± 2.5 | PASS |
| | | VN | 20 | 2.54 | 0.001012 | ± 2.5 | PASS |
| | | VN | 30 | 1.84 | 0.000733 | ± 2.5 | PASS |
| | | VN | 40 | 2.34 | 0.000932 | ± 2.5 | PASS |
| | | VN | 50 | -1.69 | -0.000673 | ± 2.5 | PASS |
| | MCH | VN | -30 | 1.87 | 0.000738 | ± 2.5 | PASS |
| | | VN | -20 | 2.15 | 0.000848 | ± 2.5 | PASS |
| | | VN | -10 | 4.49 | 0.001771 | ± 2.5 | PASS |

| | | | | | | | | | |
|-----|-----|-------|-------|-----------|-----------|-------|-----------|-------|------|
| | | VN | 0 | 4.69 | 0.001850 | ± 2.5 | PASS | | |
| | | VN | 10 | 4.64 | 0.001830 | ± 2.5 | PASS | | |
| | | VN | 20 | 1.2 | 0.000473 | ± 2.5 | PASS | | |
| | | VN | 30 | 0.87 | 0.000343 | ± 2.5 | PASS | | |
| | | VN | 40 | 2.92 | 0.001152 | ± 2.5 | PASS | | |
| | | VN | 50 | 4.25 | 0.001677 | ± 2.5 | PASS | | |
| | HCH | VN | -30 | 0.7 | 0.000273 | ± 2.5 | PASS | | |
| | | VN | -20 | -0.08 | -0.000031 | ± 2.5 | PASS | | |
| | | VN | -10 | -0.27 | -0.000105 | ± 2.5 | PASS | | |
| | | VN | 0 | 1.18 | 0.000461 | ± 2.5 | PASS | | |
| | | VN | 10 | 1.43 | 0.000559 | ± 2.5 | PASS | | |
| | | VN | 20 | 2.19 | 0.000855 | ± 2.5 | PASS | | |
| | | VN | 30 | 0.41 | 0.000160 | ± 2.5 | PASS | | |
| | | VN | 40 | 0.71 | 0.000277 | ± 2.5 | PASS | | |
| | | VN | 50 | 4.86 | 0.001898 | ± 2.5 | PASS | | |
| | | 16QAM | LCH | VN | -30 | 2.26 | 0.000900 | ± 2.5 | PASS |
| | | | | VN | -20 | -0.13 | -0.000052 | ± 2.5 | PASS |
| | | | | VN | -10 | -1.97 | -0.000785 | ± 2.5 | PASS |
| | | | | VN | 0 | 3.66 | 0.001458 | ± 2.5 | PASS |
| VN | 10 | | | -1.83 | -0.000729 | ± 2.5 | PASS | | |
| VN | 20 | | | 2 | 0.000797 | ± 2.5 | PASS | | |
| VN | 30 | | | 3.22 | 0.001283 | ± 2.5 | PASS | | |
| VN | 40 | | | 1.16 | 0.000462 | ± 2.5 | PASS | | |
| VN | 50 | | | 3.37 | 0.001343 | ± 2.5 | PASS | | |
| MCH | VN | | -30 | 1.47 | 0.000580 | ± 2.5 | PASS | | |
| | VN | | -20 | 0.27 | 0.000107 | ± 2.5 | PASS | | |
| | VN | | -10 | 3.49 | 0.001377 | ± 2.5 | PASS | | |
| | VN | | 0 | 3.35 | 0.001321 | ± 2.5 | PASS | | |
| | VN | | 10 | 3.13 | 0.001235 | ± 2.5 | PASS | | |
| | VN | | 20 | 0.93 | 0.000367 | ± 2.5 | PASS | | |
| | VN | | 30 | 1.27 | 0.000501 | ± 2.5 | PASS | | |
| | VN | | 40 | -0.88 | -0.000347 | ± 2.5 | PASS | | |
| | VN | | 50 | 4.31 | 0.001700 | ± 2.5 | PASS | | |
| HCH | VN | | -30 | 3.65 | 0.001426 | ± 2.5 | PASS | | |
| | VN | -20 | 1.57 | 0.000613 | ± 2.5 | PASS | | | |
| | VN | -10 | -1.24 | -0.000484 | ± 2.5 | PASS | | | |
| | VN | 0 | 4.72 | 0.001844 | ± 2.5 | PASS | | | |
| | VN | 10 | 2.98 | 0.001164 | ± 2.5 | PASS | | | |
| | VN | 20 | 3.88 | 0.001516 | ± 2.5 | PASS | | | |
| | VN | 30 | 0.52 | 0.000203 | ± 2.5 | PASS | | | |
| | VN | 40 | 3.21 | 0.001254 | ± 2.5 | PASS | | | |

| | | | | | | | |
|--|--|----|----|------|----------|-------|------|
| | | VN | 50 | 1.19 | 0.000465 | ± 2.5 | PASS |
|--|--|----|----|------|----------|-------|------|