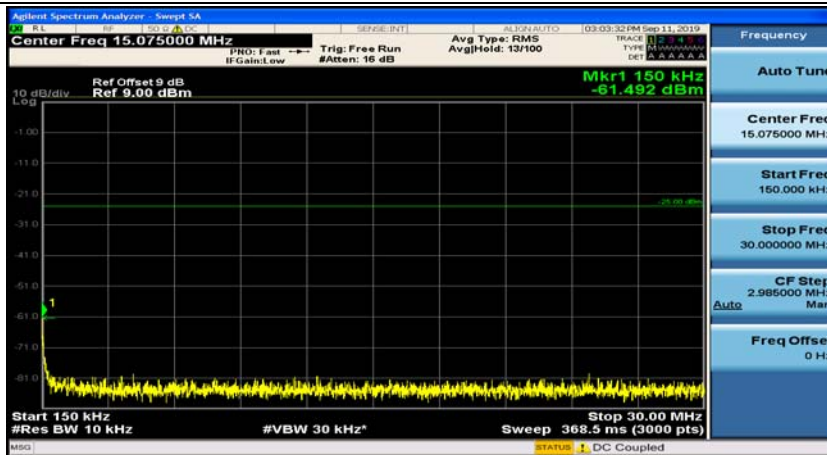| (Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0 |
|---|
|  |
|  |
|  |
| (Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49 |

(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99

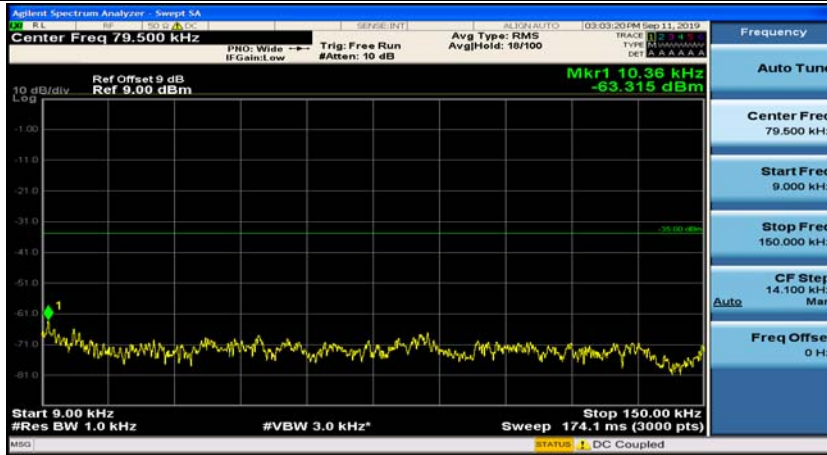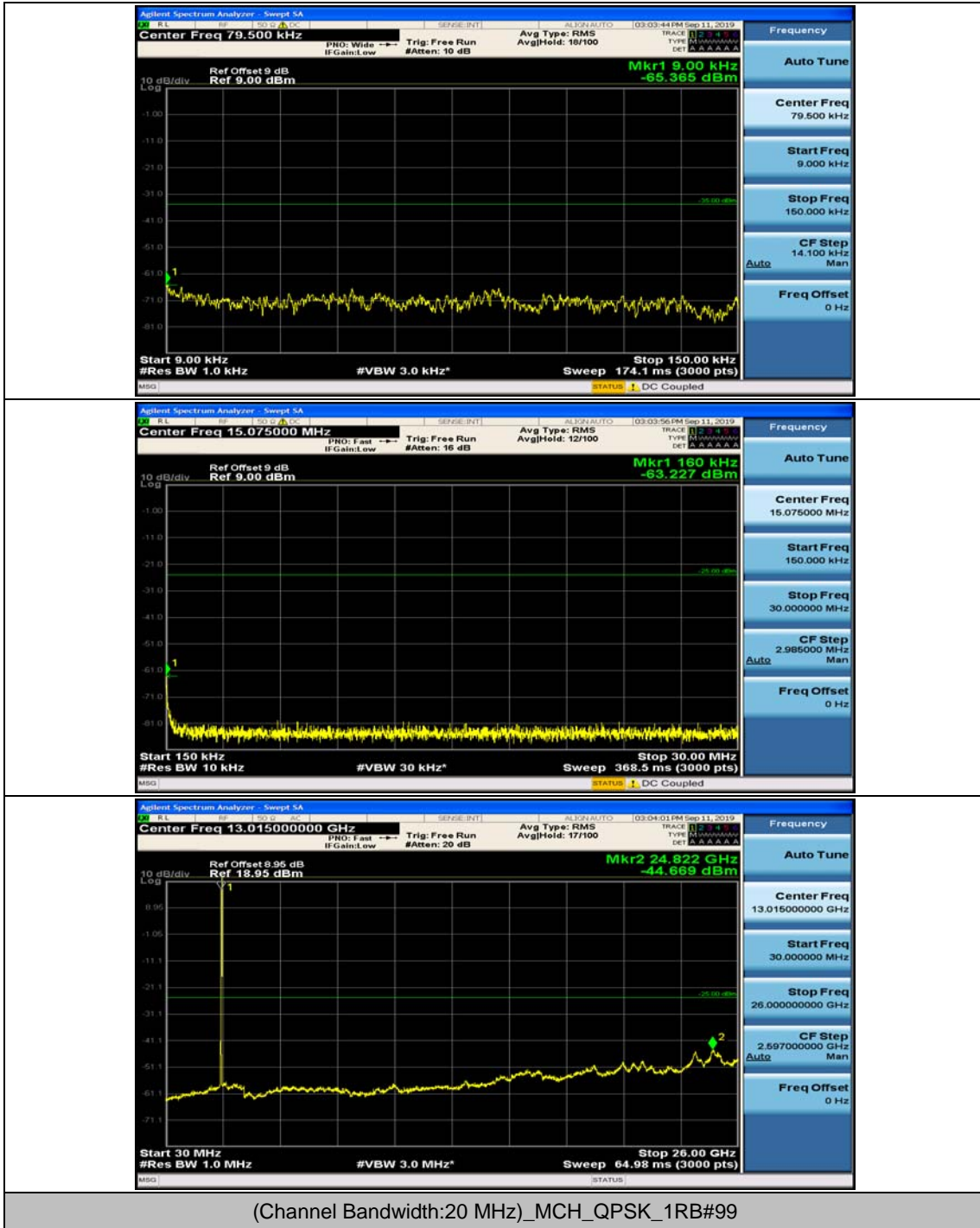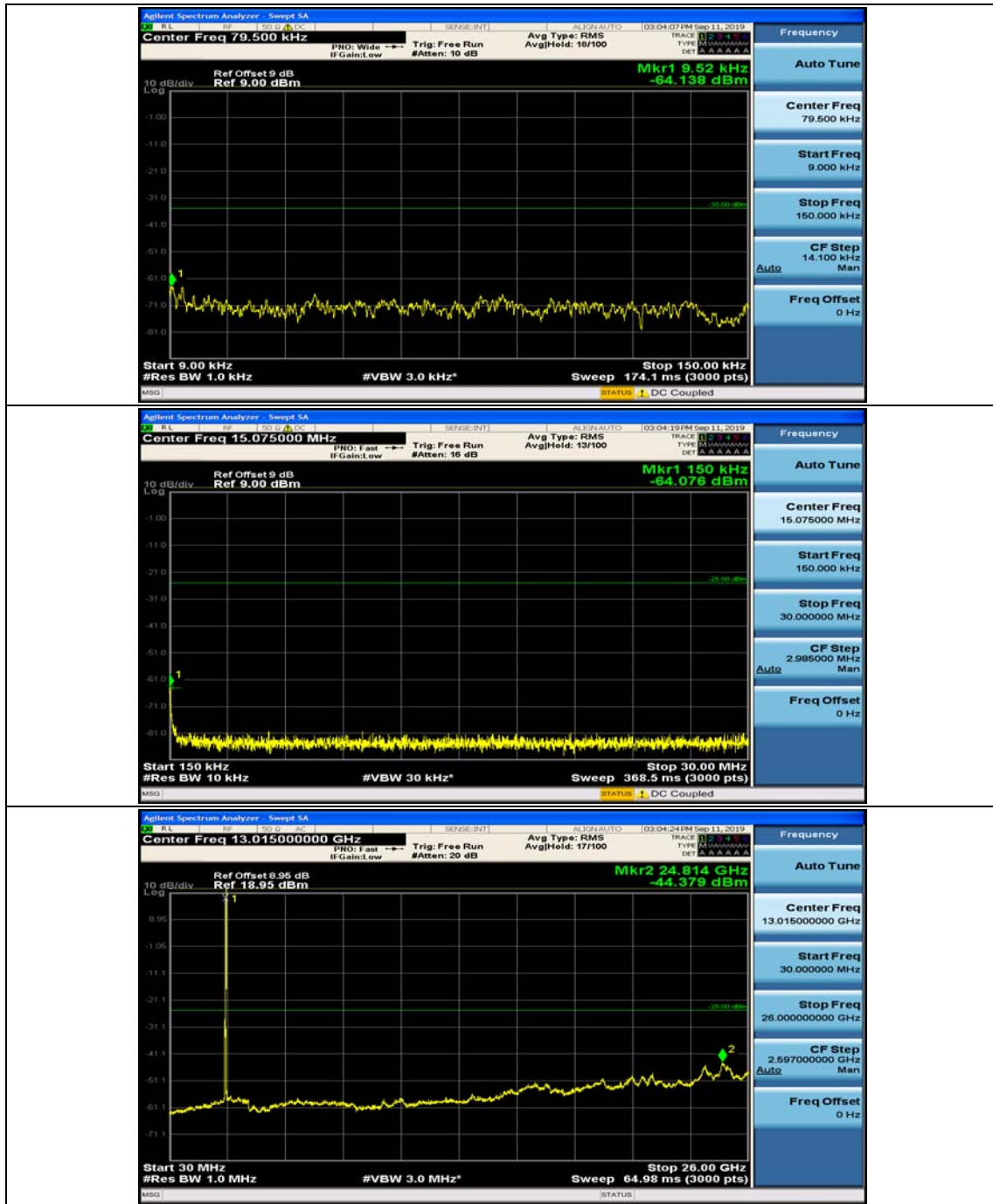| (Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0 |
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|  |
| (Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49 |

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99

| (Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0 |
|---|
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|  |
| (Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49 |

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99

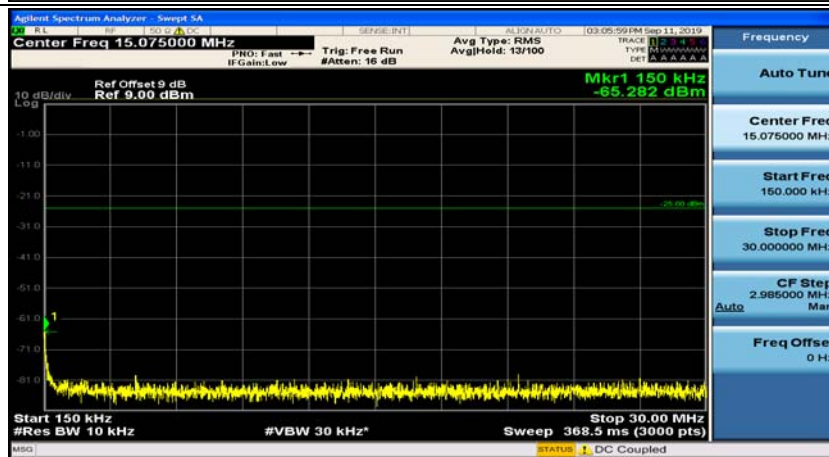| (Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0 |
|---|


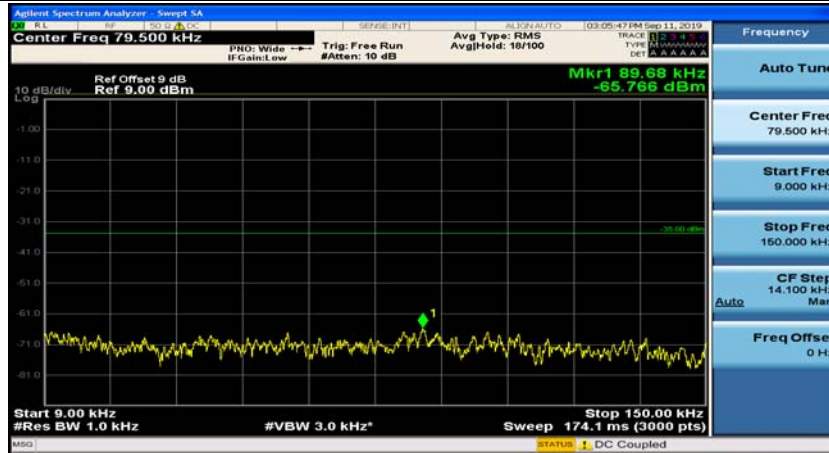




| (Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49 |
|---|
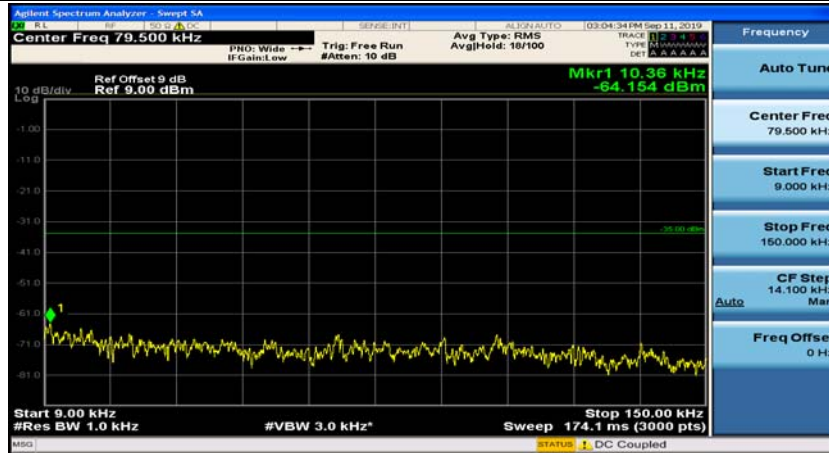
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99

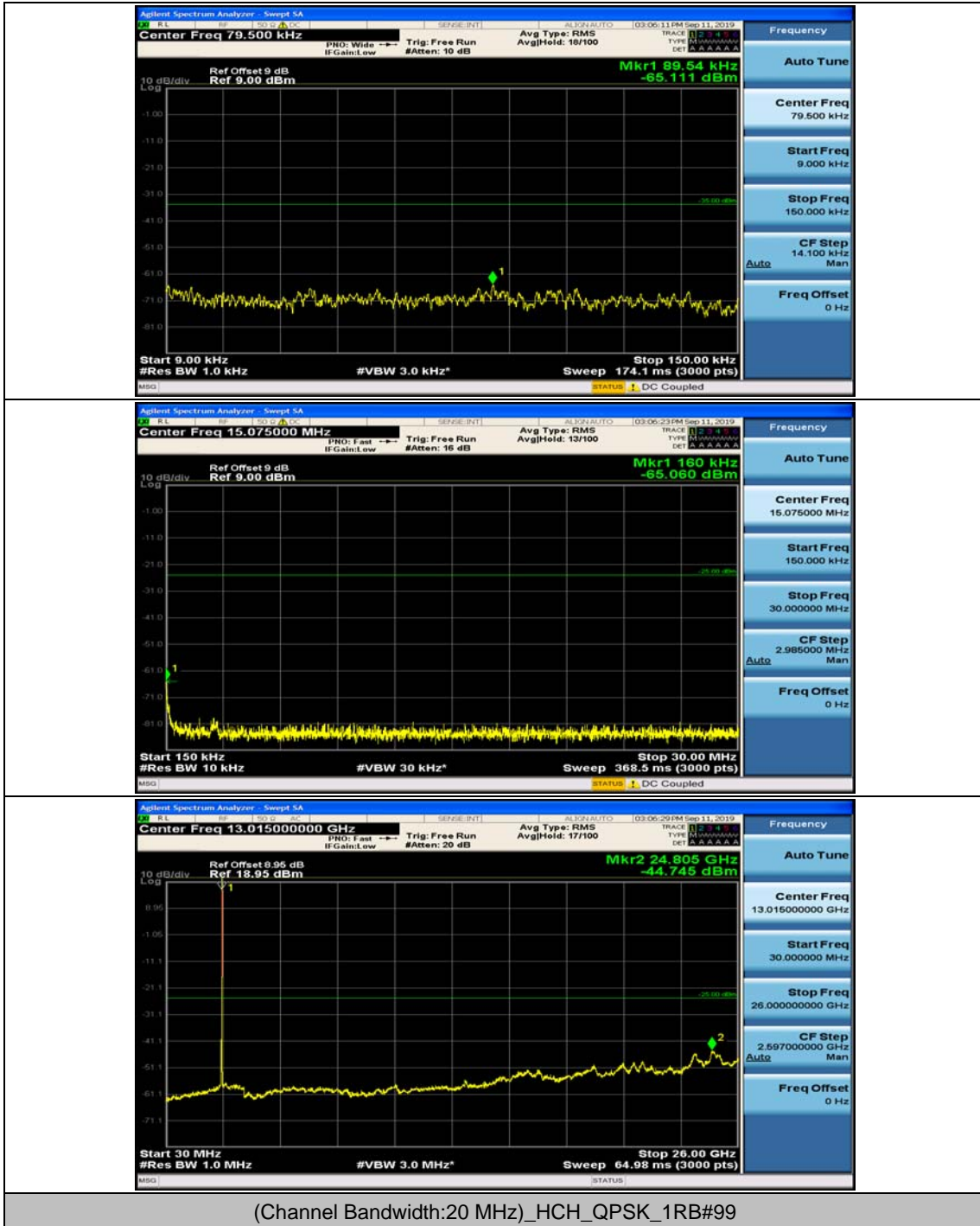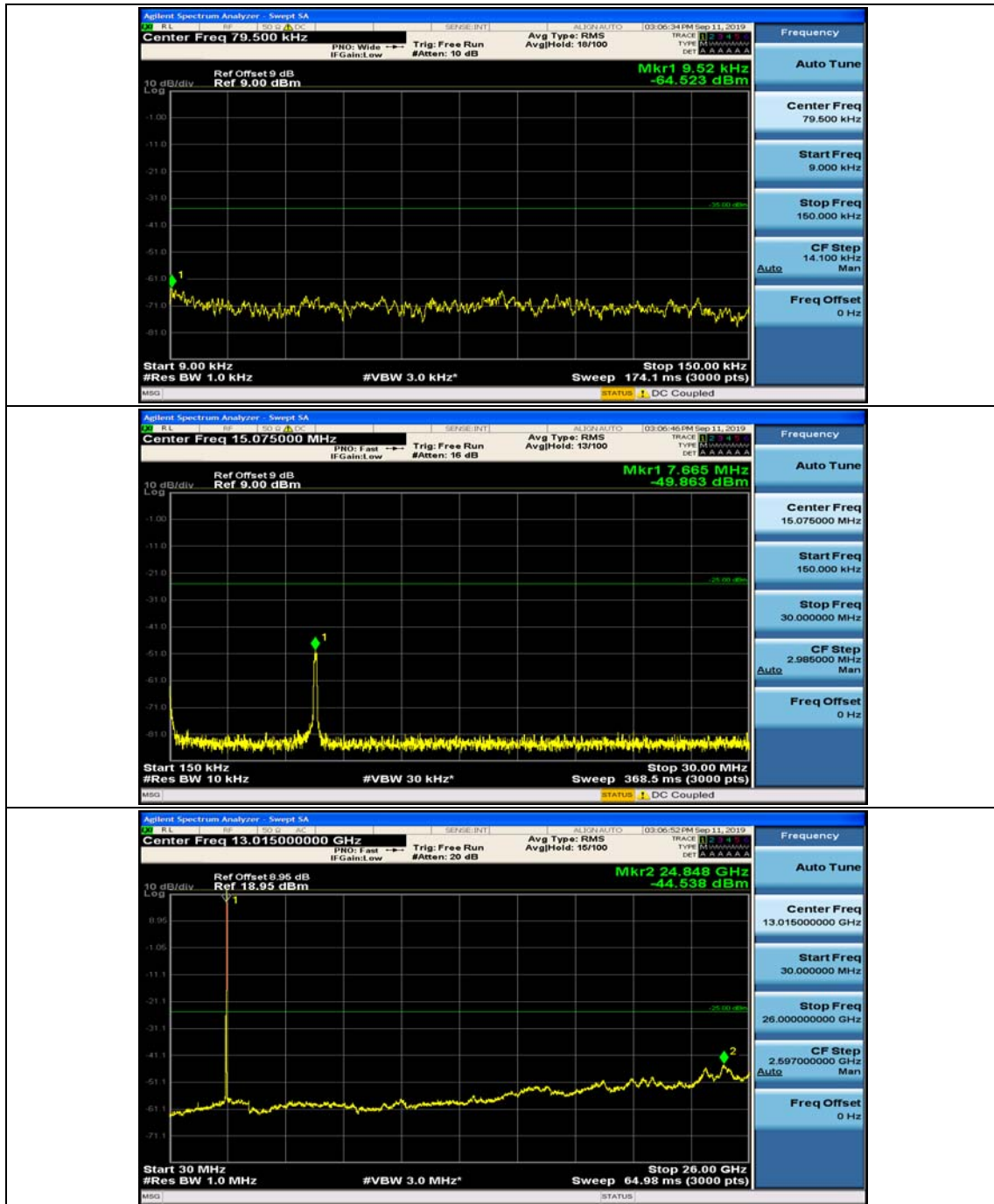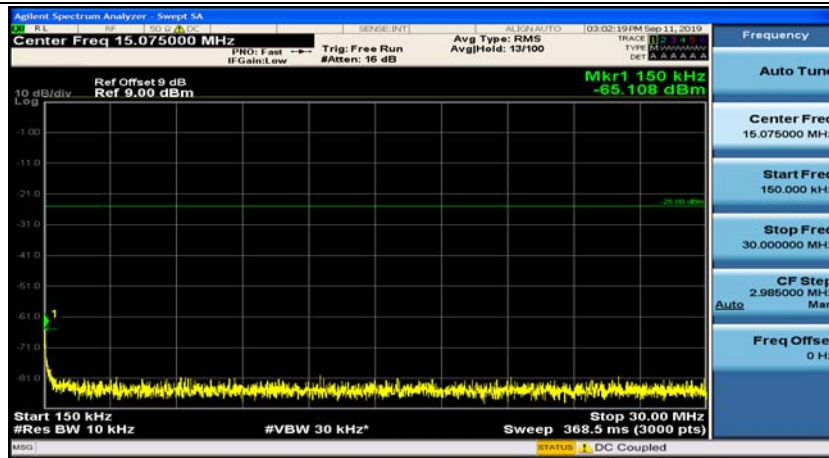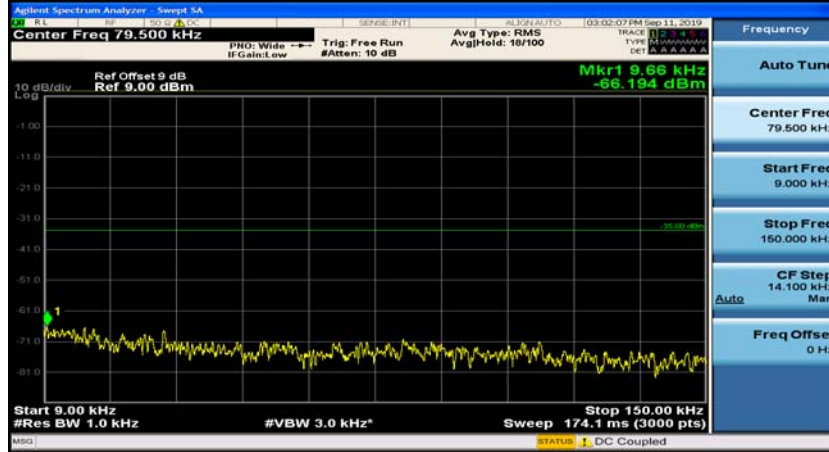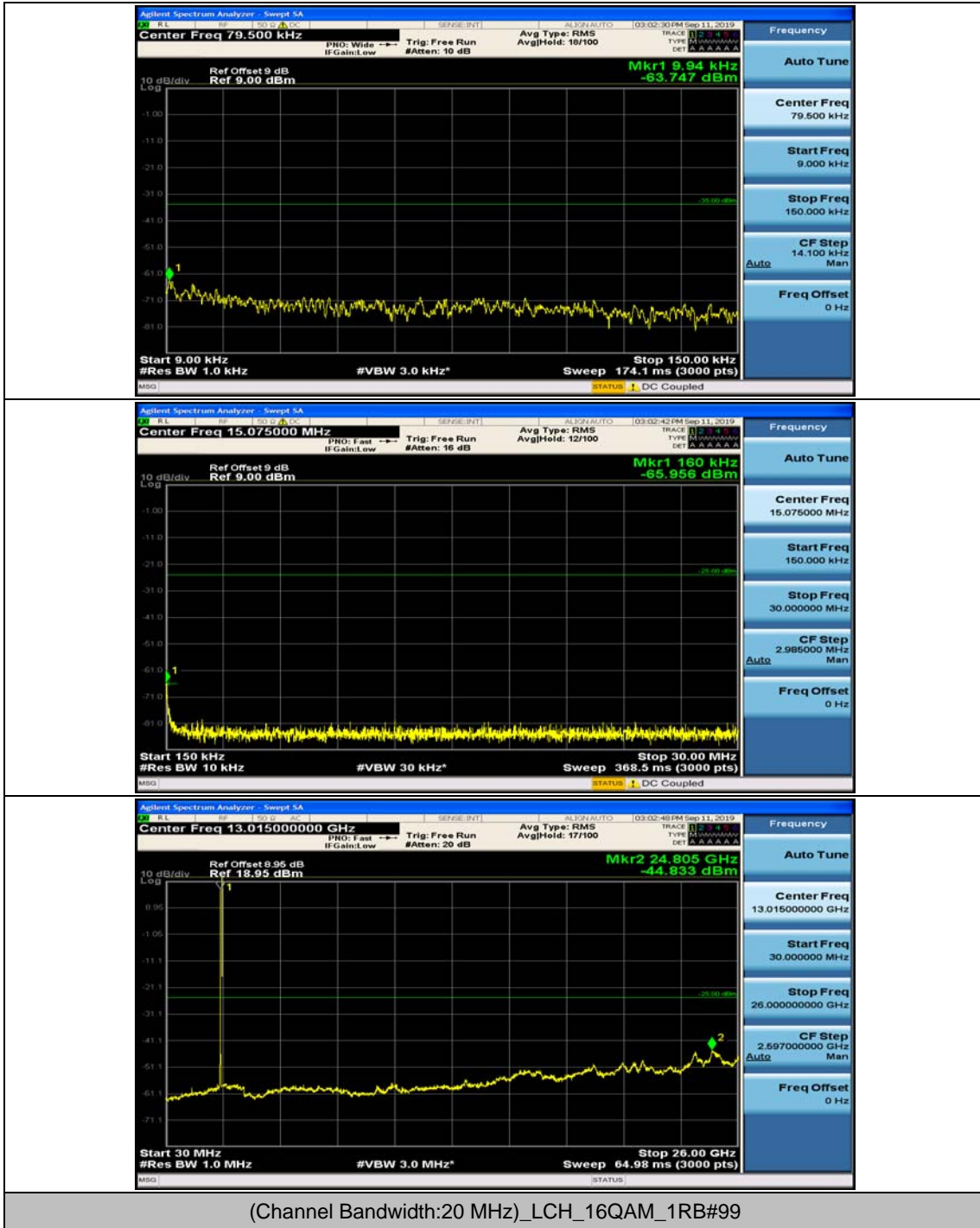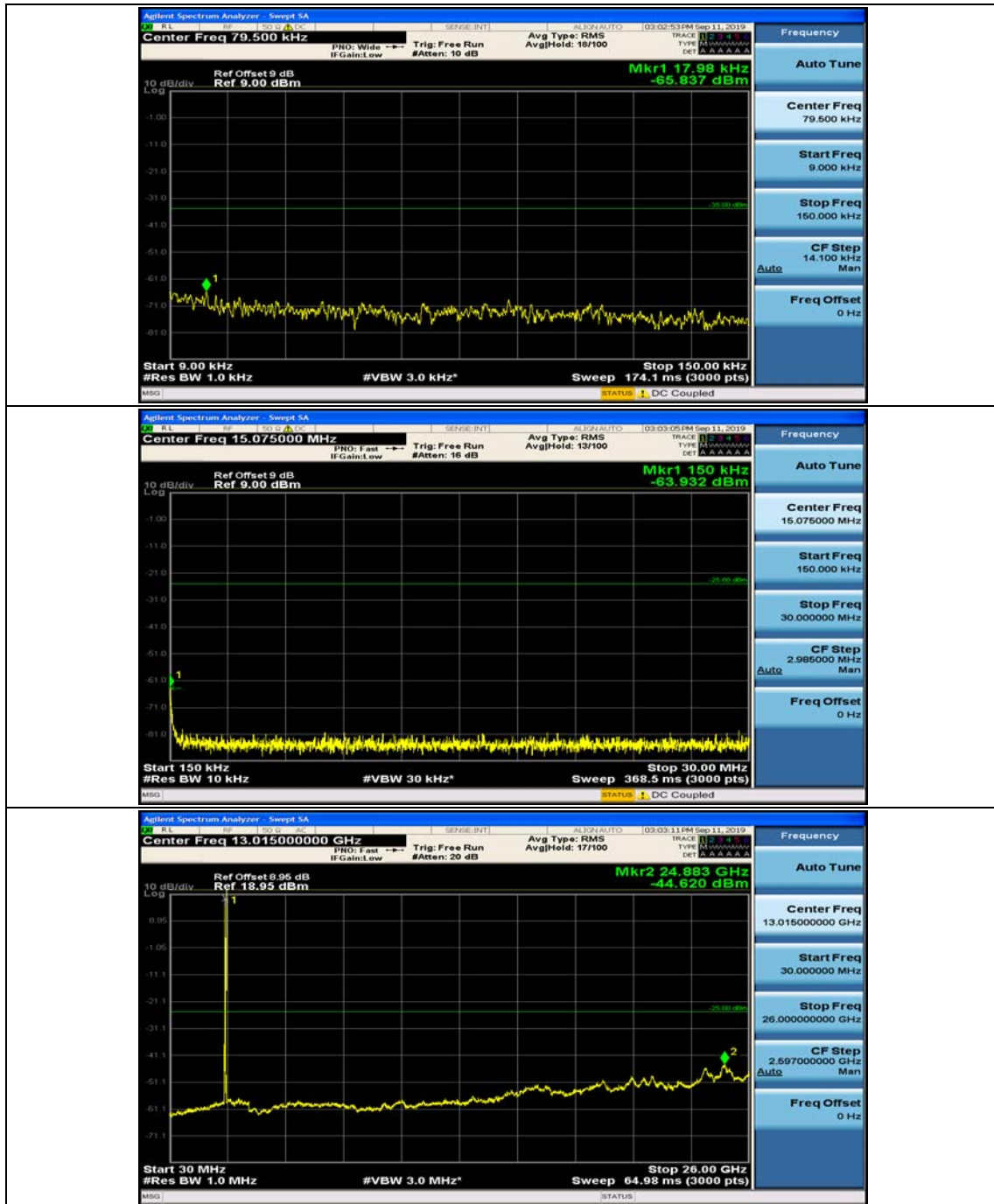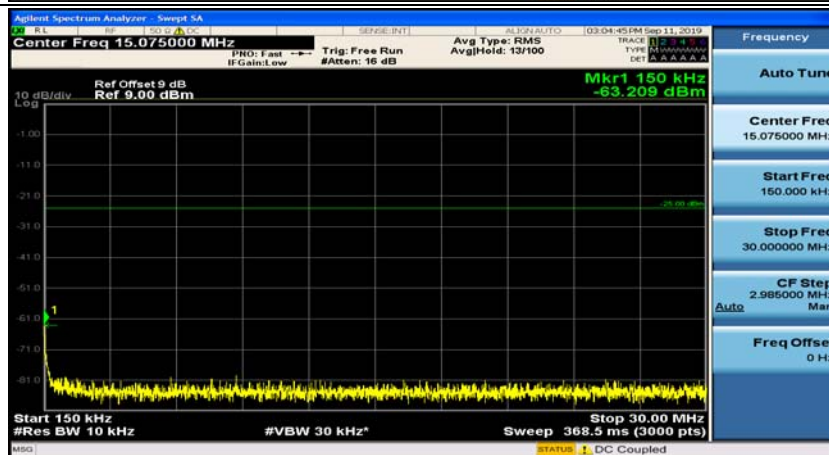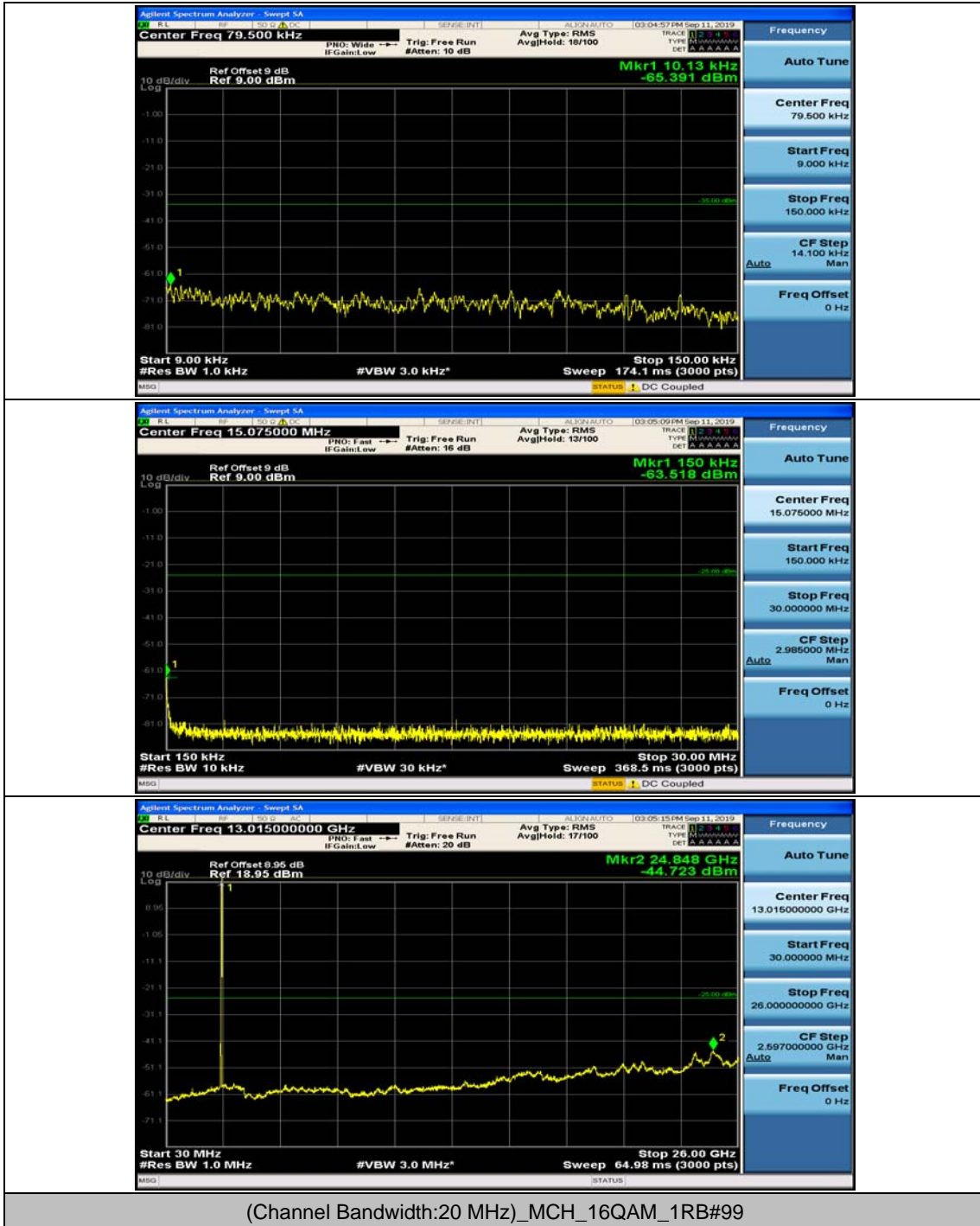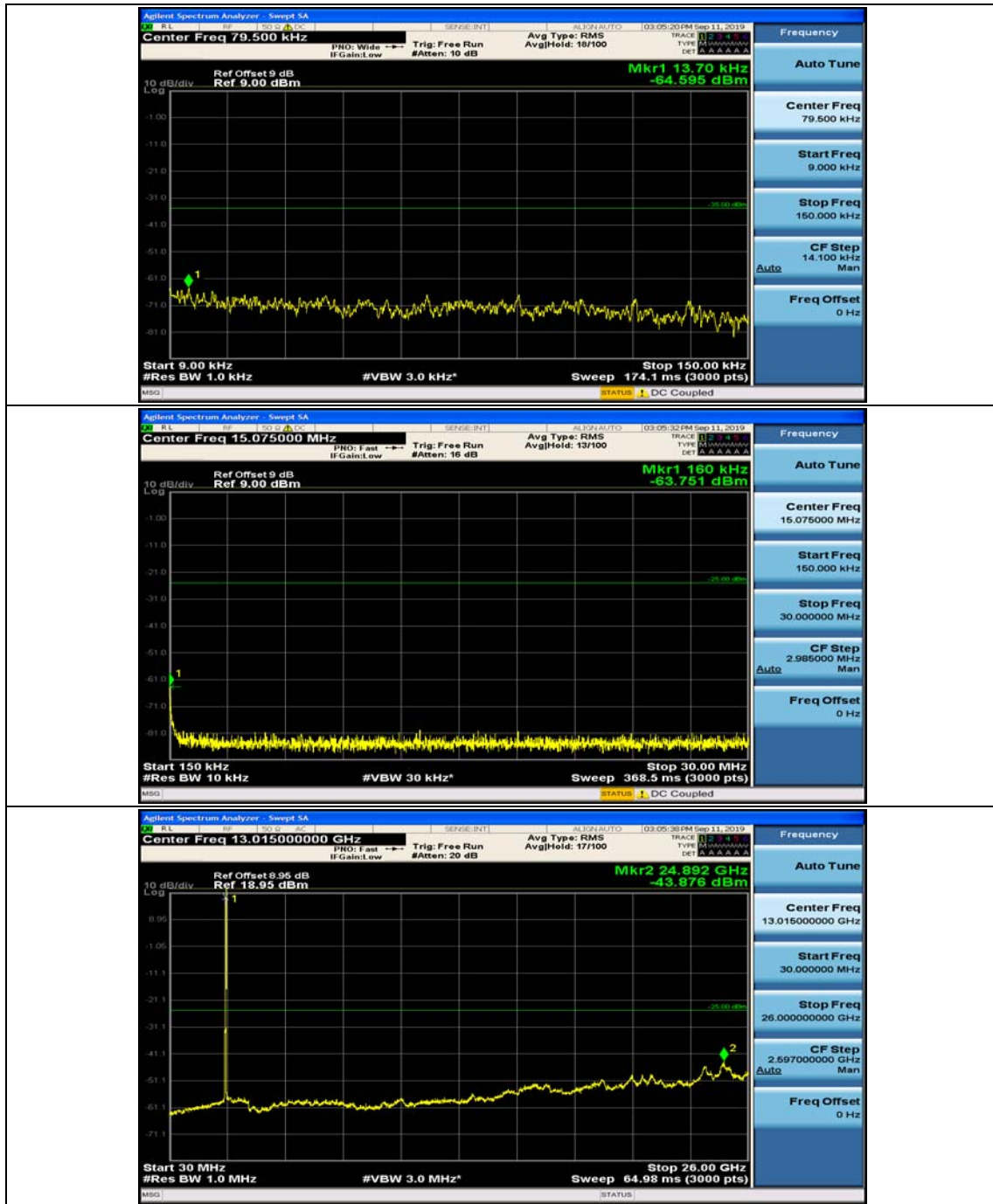| (Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0 |
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|  |
| (Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49 |
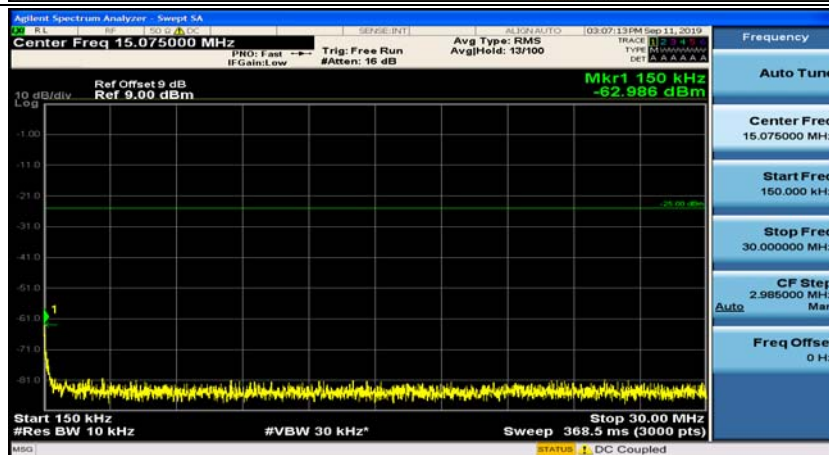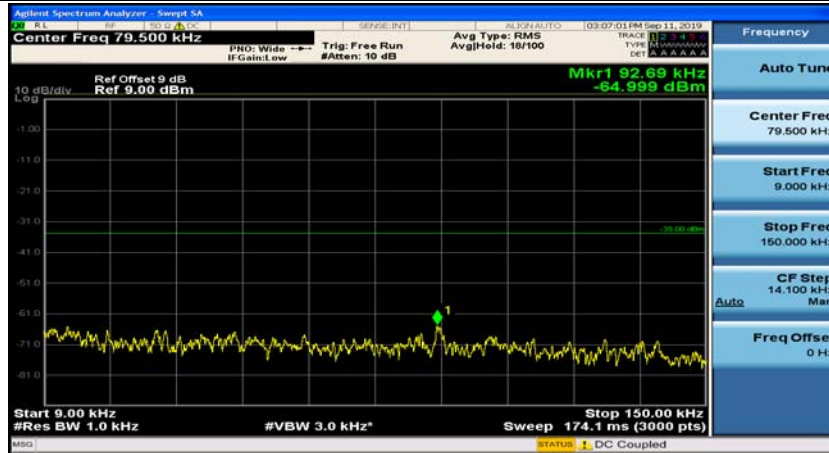
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99
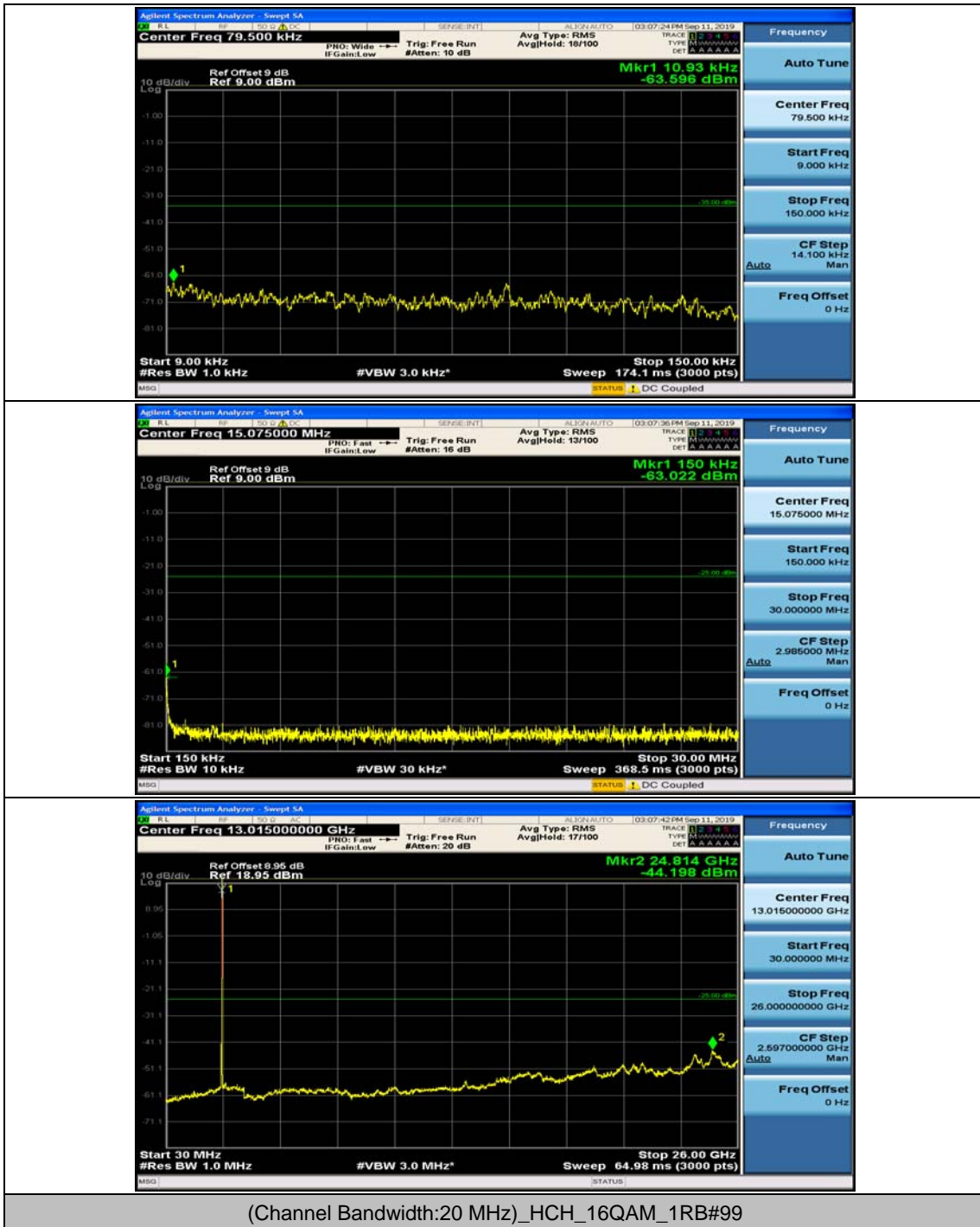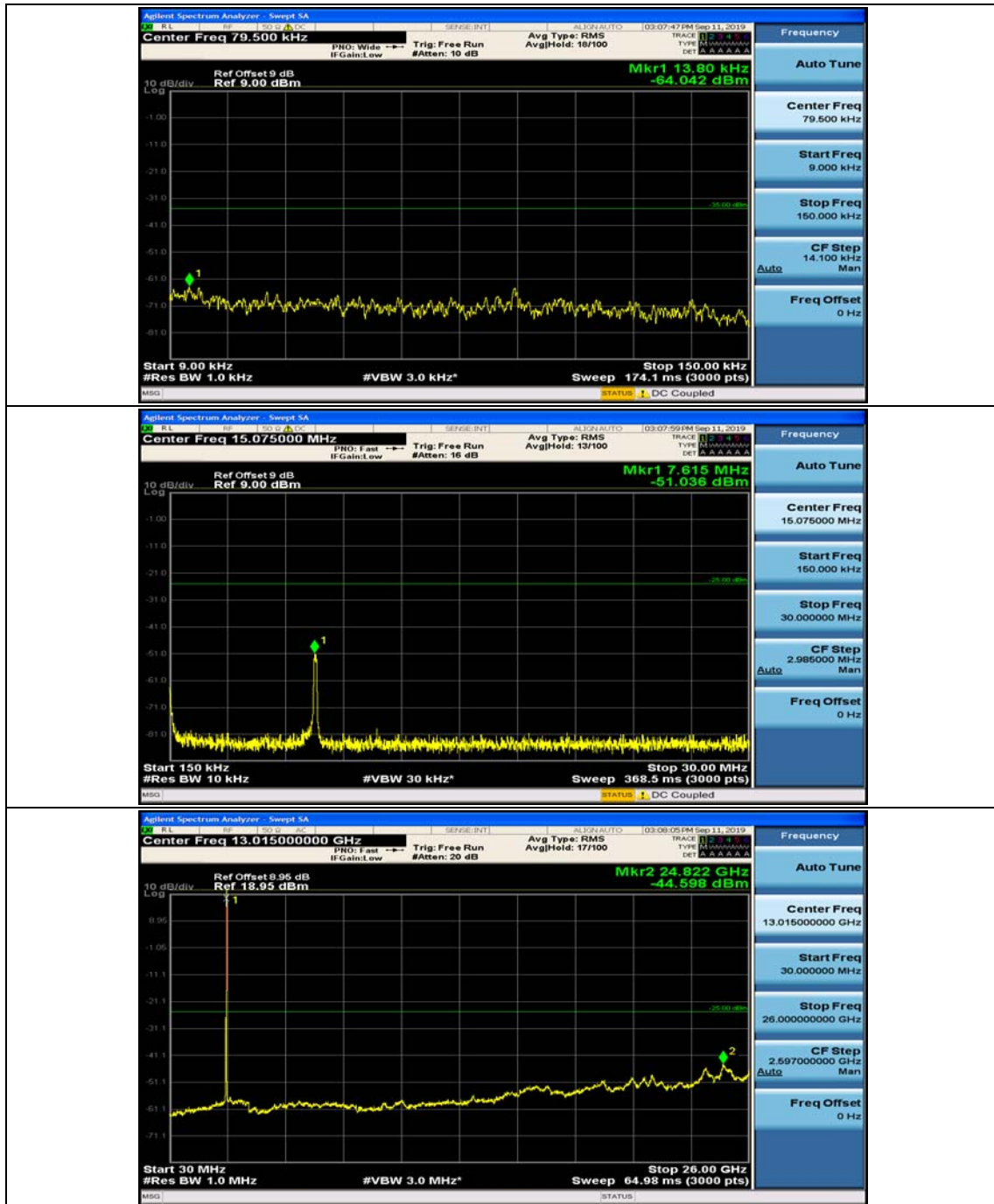
# Appendix F: Frequency Stability

**Test Result**

**Channel Bandwidth: 5 MHz**

| Channel Bandwidth: 5 MHz | | | | | | | |
|---|---|---|---|---|---|---|---|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 4.01 | 0.001602 | ± 2.5 | PASS |
| | | VN | TN | 0.34 | 0.000136 | ± 2.5 | PASS |
| | | VH | TN | -1.38 | -0.000551 | ± 2.5 | PASS |
| | MCH | VL | TN | -0.28 | -0.000110 | ± 2.5 | PASS |
| | | VN | TN | -0.38 | -0.000150 | ± 2.5 | PASS |
| | | VH | TN | 3.41 | 0.001345 | ± 2.5 | PASS |
| | HCH | VL | TN | -0.53 | -0.000206 | ± 2.5 | PASS |
| | | VN | TN | 0.8 | 0.000312 | ± 2.5 | PASS |
| | | VH | TN | 2.89 | 0.001126 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 4.03 | 0.001610 | ± 2.5 | PASS |
| | | VN | TN | 3.77 | 0.001506 | ± 2.5 | PASS |
| | | VH | TN | 3.65 | 0.001459 | ± 2.5 | PASS |
| | MCH | VL | TN | 1.41 | 0.000556 | ± 2.5 | PASS |
| | | VN | TN | 3.9 | 0.001538 | ± 2.5 | PASS |
| | | VH | TN | 4.54 | 0.001791 | ± 2.5 | PASS |
| | HCH | VL | TN | 0.77 | 0.000300 | ± 2.5 | PASS |
| | | VN | TN | -0.25 | -0.000097 | ± 2.5 | PASS |
| | | VH | TN | -1.26 | -0.000491 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | 2.83 | 0.001131 | ± 2.5 | PASS |
| | | VN | -20 | 1.08 | 0.000432 | ± 2.5 | PASS |
| | | VN | -10 | -1.24 | -0.000496 | ± 2.5 | PASS |
| | | VN | 0 | 1.98 | 0.000791 | ± 2.5 | PASS |
| | | VN | 10 | 1.67 | 0.000667 | ± 2.5 | PASS |
| | | VN | 20 | 4.4 | 0.001758 | ± 2.5 | PASS |
| | | VN | 30 | 1.64 | 0.000655 | ± 2.5 | PASS |
| | | VN | 40 | 2.19 | 0.000875 | ± 2.5 | PASS |
| | | VN | 50 | -1.55 | -0.000619 | ± 2.5 | PASS |
| | MCH | VN | -30 | 0.39 | 0.000154 | ± 2.5 | PASS |
| | | VN | -20 | 4.7 | 0.001854 | ± 2.5 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | VN | -10 | -1.7 | -0.000671 | ± 2.5 | PASS |
| | | VN | 0 | 4.53 | 0.001787 | ± 2.5 | PASS |
| | | VN | 10 | -1.49 | -0.000588 | ± 2.5 | PASS |
| | | VN | 20 | 4.98 | 0.001964 | ± 2.5 | PASS |
| | | VN | 30 | 2.43 | 0.000959 | ± 2.5 | PASS |
| | | VN | 40 | 0.69 | 0.000272 | ± 2.5 | PASS |
| | | VN | 50 | -0.15 | -0.000059 | ± 2.5 | PASS |
| | HCH | VN | -30 | 0.45 | 0.000175 | ± 2.5 | PASS |
| | | VN | -20 | -1.23 | -0.000479 | ± 2.5 | PASS |
| | | VN | -10 | -1.77 | -0.000689 | ± 2.5 | PASS |
| | | VN | 0 | 4.45 | 0.001733 | ± 2.5 | PASS |
| | | VN | 10 | 1.88 | 0.000732 | ± 2.5 | PASS |
| | | VN | 20 | 2.63 | 0.001024 | ± 2.5 | PASS |
| | | VN | 30 | 2.51 | 0.000978 | ± 2.5 | PASS |
| | | VN | 40 | 0.21 | 0.000082 | ± 2.5 | PASS |
| | | VN | 50 | 3.76 | 0.001464 | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | -0.62 | -0.000248 | ± 2.5 | PASS |
| | | VN | -20 | 4.45 | 0.001778 | ± 2.5 | PASS |
| | | VN | -10 | 0.38 | 0.000152 | ± 2.5 | PASS |
| | | VN | 0 | 0.1 | 0.000040 | ± 2.5 | PASS |
| | | VN | 10 | 1.31 | 0.000523 | ± 2.5 | PASS |
| | | VN | 20 | -0.04 | -0.000016 | ± 2.5 | PASS |
| | | VN | 30 | -0.99 | -0.000396 | ± 2.5 | PASS |
| | | VN | 40 | 0.08 | 0.000032 | ± 2.5 | PASS |
| | | VN | 50 | 0.56 | 0.000224 | ± 2.5 | PASS |
| | MCH | VN | -30 | -0.58 | -0.000229 | ± 2.5 | PASS |
| | | VN | -20 | -0.69 | -0.000272 | ± 2.5 | PASS |
| | | VN | -10 | 1.2 | 0.000473 | ± 2.5 | PASS |
| | | VN | 0 | -1.31 | -0.000517 | ± 2.5 | PASS |
| | | VN | 10 | -0.18 | -0.000071 | ± 2.5 | PASS |
| | | VN | 20 | 1.58 | 0.000623 | ± 2.5 | PASS |
| | | VN | 30 | -0.08 | -0.000032 | ± 2.5 | PASS |
| | | VN | 40 | 4.59 | 0.001811 | ± 2.5 | PASS |
| | | VN | 50 | -1.57 | -0.000619 | ± 2.5 | PASS |
| | HCH | VN | -30 | -0.95 | -0.000370 | ± 2.5 | PASS |
| | | VN | -20 | 3.77 | 0.001468 | ± 2.5 | PASS |
| | | VN | -10 | -1.48 | -0.000576 | ± 2.5 | PASS |
| | | VN | 0 | 4.42 | 0.001722 | ± 2.5 | PASS |
| | | VN | 10 | -1.18 | -0.000460 | ± 2.5 | PASS |
| | | VN | 20 | 3.59 | 0.001398 | ± 2.5 | PASS |
| | | VN | 30 | -1.28 | -0.000499 | ± 2.5 | PASS |

| | | VN | 40 | 1.18 | 0.000460 | ± 2.5 | PASS |
| | | VN | 50 | 4.77 | 0.001858 | ± 2.5 | PASS |

## Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz | | | | | | | |
|---|---|---|---|---|---|---|---|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | -2 | -0.000798 | ± 2.5 | PASS |
| | | VN | TN | 0.81 | 0.000323 | ± 2.5 | PASS |
| | | VH | TN | 3.74 | 0.001493 | ± 2.5 | PASS |
| | MCH | VL | TN | 3.45 | 0.001361 | ± 2.5 | PASS |
| | | VN | TN | -1.61 | -0.000635 | ± 2.5 | PASS |
| | | VH | TN | -0.38 | -0.000150 | ± 2.5 | PASS |
| | HCH | VL | TN | -0.93 | -0.000363 | ± 2.5 | PASS |
| | | VN | TN | 0.33 | 0.000129 | ± 2.5 | PASS |
| | | VH | TN | 4.1 | 0.001598 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | -1.05 | -0.000419 | ± 2.5 | PASS |
| | | VN | TN | 3.24 | 0.001293 | ± 2.5 | PASS |
| | | VH | TN | 0.73 | 0.000291 | ± 2.5 | PASS |
| | MCH | VL | TN | 3.19 | 0.001258 | ± 2.5 | PASS |
| | | VN | TN | 3.3 | 0.001302 | ± 2.5 | PASS |
| | | VH | TN | -0.79 | -0.000312 | ± 2.5 | PASS |
| | HCH | VL | TN | -1.9 | -0.000741 | ± 2.5 | PASS |
| | | VN | TN | -0.43 | -0.000168 | ± 2.5 | PASS |
| | | VH | TN | 1.47 | 0.000573 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 16QAM | LCH | VN | -30 | 2.66 | 0.001062 | ± 2.5 | PASS |
| | | VN | -20 | -0.43 | -0.000172 | ± 2.5 | PASS |
| | | VN | -10 | -0.25 | -0.000100 | ± 2.5 | PASS |
| | | VN | 0 | 1.64 | 0.000655 | ± 2.5 | PASS |
| | | VN | 10 | 1.82 | 0.000727 | ± 2.5 | PASS |
| | | VN | 20 | 1.27 | 0.000507 | ± 2.5 | PASS |
| | | VN | 30 | 4.03 | 0.001609 | ± 2.5 | PASS |
| | | VN | 40 | 1.61 | 0.000643 | ± 2.5 | PASS |
| | | VN | 50 | 0.2 | 0.000080 | ± 2.5 | PASS |
| | MCH | VN | -30 | 4.07 | 0.001606 | ± 2.5 | PASS |
| | | VN | -20 | 0.48 | 0.000189 | ± 2.5 | PASS |
| | | VN | -10 | 1.51 | 0.000596 | ± 2.5 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | VN | 0 | 3.05 | 0.001203 | ± 2.5 | PASS |
| | | VN | 10 | 2.07 | 0.000817 | ± 2.5 | PASS |
| | | VN | 20 | -0.09 | -0.000036 | ± 2.5 | PASS |
| | | VN | 30 | -1.15 | -0.000454 | ± 2.5 | PASS |
| | | VN | 40 | 0.88 | 0.000347 | ± 2.5 | PASS |
| | | VN | 50 | 4.52 | 0.001783 | ± 2.5 | PASS |
| | HCH | VN | -30 | -1.07 | -0.000417 | ± 2.5 | PASS |
| | | VN | -20 | 1.09 | 0.000425 | ± 2.5 | PASS |
| | | VN | -10 | 1.44 | 0.000561 | ± 2.5 | PASS |
| | | VN | 0 | 3.46 | 0.001349 | ± 2.5 | PASS |
| | | VN | 10 | 3.66 | 0.001427 | ± 2.5 | PASS |
| | | VN | 20 | -0.52 | -0.000203 | ± 2.5 | PASS |
| | | VN | 30 | 0.22 | 0.000086 | ± 2.5 | PASS |
| | | VN | 40 | 4.1 | 0.001598 | ± 2.5 | PASS |
| | | VN | 50 | 4.11 | 0.001602 | ± 2.5 | PASS |
| QPSK | LCH | VN | -30 | -1.3 | -0.000519 | ± 2.5 | PASS |
| | | VN | -20 | 4.59 | 0.001832 | ± 2.5 | PASS |
| | | VN | -10 | -1.29 | -0.000515 | ± 2.5 | PASS |
| | | VN | 0 | 1.38 | 0.000551 | ± 2.5 | PASS |
| | | VN | 10 | 3.96 | 0.001581 | ± 2.5 | PASS |
| | | VN | 20 | -0.08 | -0.000032 | ± 2.5 | PASS |
| | | VN | 30 | 1.33 | 0.000531 | ± 2.5 | PASS |
| | | VN | 40 | -1.05 | -0.000419 | ± 2.5 | PASS |
| | | VN | 50 | -1.93 | -0.000770 | ± 2.5 | PASS |
| | MCH | VN | -30 | -1.74 | -0.000686 | ± 2.5 | PASS |
| | | VN | -20 | 3.2 | 0.001262 | ± 2.5 | PASS |
| | | VN | -10 | -0.48 | -0.000189 | ± 2.5 | PASS |
| | | VN | 0 | 2.86 | 0.001128 | ± 2.5 | PASS |
| | | VN | 10 | 1.33 | 0.000525 | ± 2.5 | PASS |
| | | VN | 20 | -0.45 | -0.000178 | ± 2.5 | PASS |
| | | VN | 30 | 3.76 | 0.001483 | ± 2.5 | PASS |
| | | VN | 40 | 4.39 | 0.001732 | ± 2.5 | PASS |
| | | VN | 50 | 0.9 | 0.000355 | ± 2.5 | PASS |
| | HCH | VN | -30 | 0.96 | 0.000374 | ± 2.5 | PASS |
| | | VN | -20 | 0.74 | 0.000288 | ± 2.5 | PASS |
| | | VN | -10 | 2.88 | 0.001123 | ± 2.5 | PASS |
| | | VN | 0 | 0.18 | 0.000070 | ± 2.5 | PASS |
| | | VN | 10 | -1.52 | -0.000593 | ± 2.5 | PASS |
| | | VN | 20 | -1.77 | -0.000690 | ± 2.5 | PASS |
| | | VN | 30 | -1.12 | -0.000437 | ± 2.5 | PASS |
| | | VN | 40 | 3.82 | 0.001489 | ± 2.5 | PASS |

| | | VN | 50 | -0.61 | -0.000238 | ± 2.5 | PASS |
|---|---|---|---|---|---|---|---|

## Channel Bandwidth: 15 MHz

| Channel Bandwidth: 15 MHz | | | | | | | |
|---|---|---|---|---|---|---|---|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 4.82 | 0.001922 | ± 2.5 | PASS |
| | | VN | TN | 2.43 | 0.000969 | ± 2.5 | PASS |
| | | VH | TN | 3.4 | 0.001356 | ± 2.5 | PASS |
| | MCH | VL | TN | 4.05 | 0.001598 | ± 2.5 | PASS |
| | | VN | TN | 3.69 | 0.001456 | ± 2.5 | PASS |
| | | VH | TN | 0.09 | 0.000036 | ± 2.5 | PASS |
| | HCH | VL | TN | -0.79 | -0.000308 | ± 2.5 | PASS |
| | | VN | TN | 3.73 | 0.001456 | ± 2.5 | PASS |
| | | VH | TN | -1.51 | -0.000589 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 1.21 | 0.000483 | ± 2.5 | PASS |
| | | VN | TN | -0.22 | -0.000088 | ± 2.5 | PASS |
| | | VH | TN | 1.27 | 0.000506 | ± 2.5 | PASS |
| | MCH | VL | TN | 1.28 | 0.000505 | ± 2.5 | PASS |
| | | VN | TN | 3.24 | 0.001278 | ± 2.5 | PASS |
| | | VH | TN | -0.7 | -0.000276 | ± 2.5 | PASS |
| | HCH | VL | TN | 1.42 | 0.000554 | ± 2.5 | PASS |
| | | VN | TN | 2.47 | 0.000964 | ± 2.5 | PASS |
| | | VH | TN | -0.71 | -0.000277 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | 4.46 | 0.001779 | ± 2.5 | PASS |
| | | VN | -20 | 3.23 | 0.001288 | ± 2.5 | PASS |
| | | VN | -10 | 3.89 | 0.001551 | ± 2.5 | PASS |
| | | VN | 0 | 2.43 | 0.000969 | ± 2.5 | PASS |
| | | VN | 10 | 2.44 | 0.000973 | ± 2.5 | PASS |
| | | VN | 20 | 1.67 | 0.000666 | ± 2.5 | PASS |
| | | VN | 30 | -1.3 | -0.000518 | ± 2.5 | PASS |
| | | VN | 40 | 3.22 | 0.001284 | ± 2.5 | PASS |
| | | VN | 50 | -0.29 | -0.000116 | ± 2.5 | PASS |
| | MCH | VN | -30 | -1.82 | -0.000718 | ± 2.5 | PASS |
| | | VN | -20 | 0.14 | 0.000055 | ± 2.5 | PASS |
| | | VN | -10 | 2.41 | 0.000951 | ± 2.5 | PASS |
| | | VN | 0 | 0.24 | 0.000095 | ± 2.5 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | VN | 10 | 3.42 | 0.001349 | ± 2.5 | PASS |
| | | VN | 20 | 2.87 | 0.001132 | ± 2.5 | PASS |
| | | VN | 30 | 4.97 | 0.001961 | ± 2.5 | PASS |
| | | VN | 40 | 2.16 | 0.000852 | ± 2.5 | PASS |
| | | VN | 50 | -0.63 | -0.000249 | ± 2.5 | PASS |
| | HCH | VN | -30 | -1.79 | -0.000699 | ± 2.5 | PASS |
| | | VN | -20 | 4.76 | 0.001858 | ± 2.5 | PASS |
| | | VN | -10 | 1.68 | 0.000656 | ± 2.5 | PASS |
| | | VN | 0 | 2.65 | 0.001034 | ± 2.5 | PASS |
| | | VN | 10 | 0.89 | 0.000347 | ± 2.5 | PASS |
| | | VN | 20 | -0.78 | -0.000304 | ± 2.5 | PASS |
| | | VN | 30 | 0.23 | 0.000090 | ± 2.5 | PASS |
| | | VN | 40 | 0.02 | 0.000008 | ± 2.5 | PASS |
| | | VN | 50 | -0.8 | -0.000312 | ± 2.5 | PASS |
| QPSK | LCH | VN | -30 | 1.59 | 0.000634 | ± 2.5 | PASS |
| | | VN | -20 | -1.43 | -0.000570 | ± 2.5 | PASS |
| | | VN | -10 | 4.71 | 0.001878 | ± 2.5 | PASS |
| | | VN | 0 | 3.76 | 0.001500 | ± 2.5 | PASS |
| | | VN | 10 | 0.58 | 0.000231 | ± 2.5 | PASS |
| | | VN | 20 | -0.21 | -0.000084 | ± 2.5 | PASS |
| | | VN | 30 | -0.51 | -0.000203 | ± 2.5 | PASS |
| | | VN | 40 | 2.26 | 0.000901 | ± 2.5 | PASS |
| | | VN | 50 | 3.37 | 0.001344 | ± 2.5 | PASS |
| | MCH | VN | -30 | -1.81 | -0.000714 | ± 2.5 | PASS |
| | | VN | -20 | 3.35 | 0.001321 | ± 2.5 | PASS |
| | | VN | -10 | 4.21 | 0.001661 | ± 2.5 | PASS |
| | | VN | 0 | 0.04 | 0.000016 | ± 2.5 | PASS |
| | | VN | 10 | 2.49 | 0.000982 | ± 2.5 | PASS |
| | | VN | 20 | -1.54 | -0.000607 | ± 2.5 | PASS |
| | | VN | 30 | -0.01 | -0.000004 | ± 2.5 | PASS |
| | | VN | 40 | 0.77 | 0.000304 | ± 2.5 | PASS |
| | | VN | 50 | 4 | 0.001578 | ± 2.5 | PASS |
| | HCH | VN | -30 | 0.25 | 0.000098 | ± 2.5 | PASS |
| | | VN | -20 | 1.91 | 0.000745 | ± 2.5 | PASS |
| | | VN | -10 | 1.42 | 0.000554 | ± 2.5 | PASS |
| | | VN | 0 | 0.09 | 0.000035 | ± 2.5 | PASS |
| | | VN | 10 | 3.8 | 0.001483 | ± 2.5 | PASS |
| | | VN | 20 | 0.07 | 0.000027 | ± 2.5 | PASS |
| | | VN | 30 | 3.27 | 0.001276 | ± 2.5 | PASS |
| | | VN | 40 | 1.36 | 0.000531 | ± 2.5 | PASS |
| | | VN | 50 | 0.33 | 0.000129 | ± 2.5 | PASS |

## Channel Bandwidth: 20 MHz

| Channel Bandwidth: 20 MHz | | | | | | | |
|---|---|---|---|---|---|---|---|
| Voltage | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VL | TN | 0.03 | 0.000012 | ± 2.5 | PASS |
| | | VN | TN | 1.8 | 0.000717 | ± 2.5 | PASS |
| | | VH | TN | 1.94 | 0.000773 | ± 2.5 | PASS |
| | MCH | VL | TN | 2.31 | 0.000911 | ± 2.5 | PASS |
| | | VN | TN | -1.37 | -0.000540 | ± 2.5 | PASS |
| | | VH | TN | -0.85 | -0.000335 | ± 2.5 | PASS |
| | HCH | VL | TN | -0.13 | -0.000051 | ± 2.5 | PASS |
| | | VN | TN | 3.81 | 0.001488 | ± 2.5 | PASS |
| | | VH | TN | 1.5 | 0.000586 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | 1.96 | 0.000781 | ± 2.5 | PASS |
| | | VN | TN | -0.38 | -0.000151 | ± 2.5 | PASS |
| | | VH | TN | -0.11 | -0.000044 | ± 2.5 | PASS |
| | MCH | VL | TN | -0.2 | -0.000079 | ± 2.5 | PASS |
| | | VN | TN | 2.55 | 0.001006 | ± 2.5 | PASS |
| | | VH | TN | 1.92 | 0.000757 | ± 2.5 | PASS |
| | HCH | VL | TN | 4 | 0.001563 | ± 2.5 | PASS |
| | | VN | TN | 2.78 | 0.001086 | ± 2.5 | PASS |
| | | VH | TN | 4.6 | 0.001797 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | 0.1 | 0.000040 | ± 2.5 | PASS |
| | | VN | -20 | 2.91 | 0.001159 | ± 2.5 | PASS |
| | | VN | -10 | 4.81 | 0.001916 | ± 2.5 | PASS |
| | | VN | 0 | 3.74 | 0.001490 | ± 2.5 | PASS |
| | | VN | 10 | -0.02 | -0.000008 | ± 2.5 | PASS |
| | | VN | 20 | 4.43 | 0.001765 | ± 2.5 | PASS |
| | | VN | 30 | 0.95 | 0.000378 | ± 2.5 | PASS |
| | | VN | 40 | -0.12 | -0.000048 | ± 2.5 | PASS |
| | | VN | 50 | 1.74 | 0.000693 | ± 2.5 | PASS |
| | MCH | VN | -30 | 3.75 | 0.001479 | ± 2.5 | PASS |
| | | VN | -20 | 2.81 | 0.001108 | ± 2.5 | PASS |
| | | VN | -10 | 0.05 | 0.000020 | ± 2.5 | PASS |
| | | VN | 0 | 2.32 | 0.000915 | ± 2.5 | PASS |
| | | VN | 10 | 4.38 | 0.001728 | ± 2.5 | PASS |
| | | VN | 20 | 0.36 | 0.000142 | ± 2.5 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | VN | 30 | 4.6 | 0.001815 | ± 2.5 | PASS |
| | | VN | 40 | 4.24 | 0.001673 | ± 2.5 | PASS |
| | | VN | 50 | 0.99 | 0.000391 | ± 2.5 | PASS |
| | HCH | VN | -30 | 2.05 | 0.000801 | ± 2.5 | PASS |
| | | VN | -20 | 0.66 | 0.000258 | ± 2.5 | PASS |
| | | VN | -10 | 2.82 | 0.001102 | ± 2.5 | PASS |
| | | VN | 0 | -1.21 | -0.000473 | ± 2.5 | PASS |
| | | VN | 10 | 4.32 | 0.001688 | ± 2.5 | PASS |
| | | VN | 20 | 1.71 | 0.000668 | ± 2.5 | PASS |
| | | VN | 30 | 2.74 | 0.001070 | ± 2.5 | PASS |
| | | VN | 40 | 0.37 | 0.000145 | ± 2.5 | PASS |
| | | VN | 50 | -0.89 | -0.000348 | ± 2.5 | PASS |
| QPSK | LCH | VN | -30 | 3.12 | 0.001243 | ± 2.5 | PASS |
| | | VN | -20 | 2.9 | 0.001155 | ± 2.5 | PASS |
| | | VN | -10 | -1.28 | -0.000510 | ± 2.5 | PASS |
| | | VN | 0 | 0.13 | 0.000052 | ± 2.5 | PASS |
| | | VN | 10 | 4.13 | 0.001645 | ± 2.5 | PASS |
| | | VN | 20 | 2.94 | 0.001171 | ± 2.5 | PASS |
| | | VN | 30 | 3.23 | 0.001287 | ± 2.5 | PASS |
| | | VN | 40 | 2.87 | 0.001143 | ± 2.5 | PASS |
| | | VN | 50 | 0.72 | 0.000287 | ± 2.5 | PASS |
| | MCH | VN | -30 | -1.58 | -0.000623 | ± 2.5 | PASS |
| | | VN | -20 | 2.77 | 0.001093 | ± 2.5 | PASS |
| | | VN | -10 | 1.18 | 0.000465 | ± 2.5 | PASS |
| | | VN | 0 | 1.71 | 0.000675 | ± 2.5 | PASS |
| | | VN | 10 | -0.73 | -0.000288 | ± 2.5 | PASS |
| | | VN | 20 | -1.02 | -0.000402 | ± 2.5 | PASS |
| | | VN | 30 | -0.67 | -0.000264 | ± 2.5 | PASS |
| | | VN | 40 | 4.11 | 0.001621 | ± 2.5 | PASS |
| | | VN | 50 | 0.45 | 0.000178 | ± 2.5 | PASS |
| | HCH | VN | -30 | -0.66 | -0.000258 | ± 2.5 | PASS |
| | | VN | -20 | 2.77 | 0.001082 | ± 2.5 | PASS |
| | | VN | -10 | 1.64 | 0.000641 | ± 2.5 | PASS |
| | | VN | 0 | 1.95 | 0.000762 | ± 2.5 | PASS |
| | | VN | 10 | 2.4 | 0.000938 | ± 2.5 | PASS |
| | | VN | 20 | -0.81 | -0.000316 | ± 2.5 | PASS |
| | | VN | 30 | 0.35 | 0.000137 | ± 2.5 | PASS |
| | | VN | 40 | 1.13 | 0.000441 | ± 2.5 | PASS |
| | | VN | 50 | 0.01 | 0.000004 | ± 2.5 | PASS |