

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



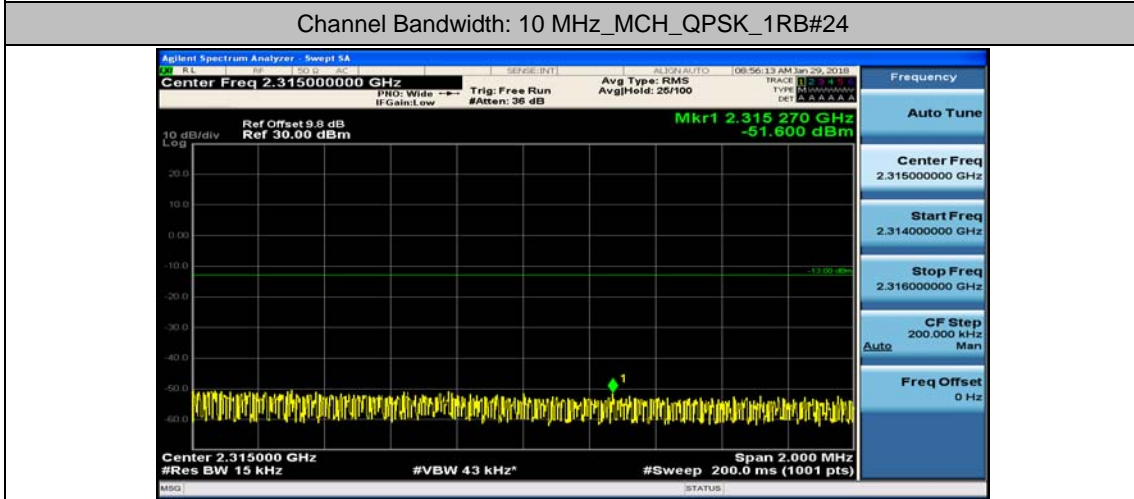
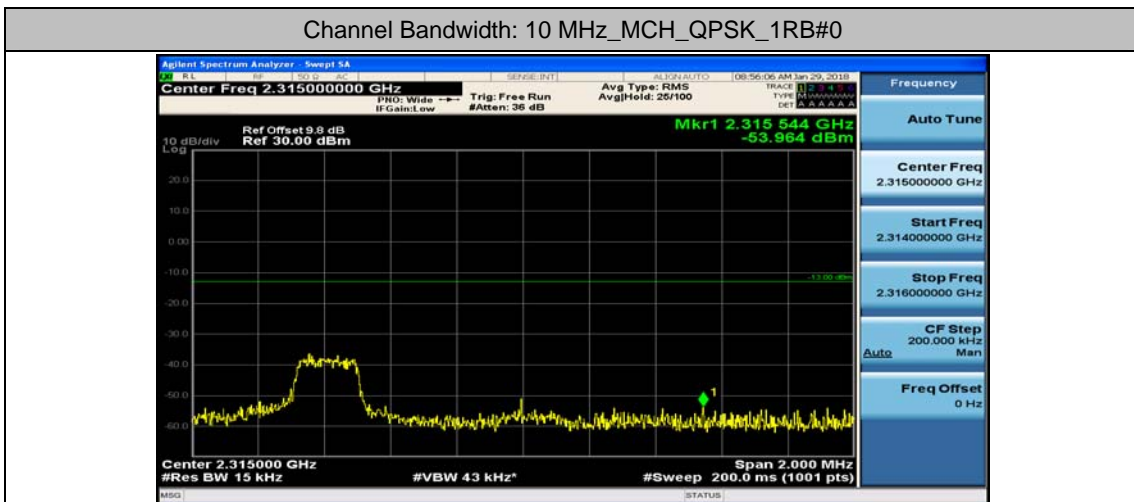
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



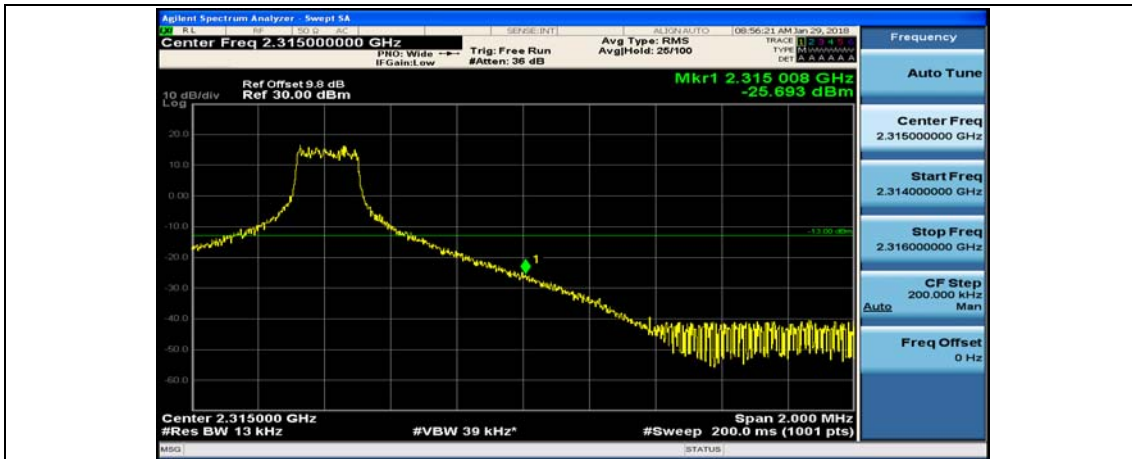
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



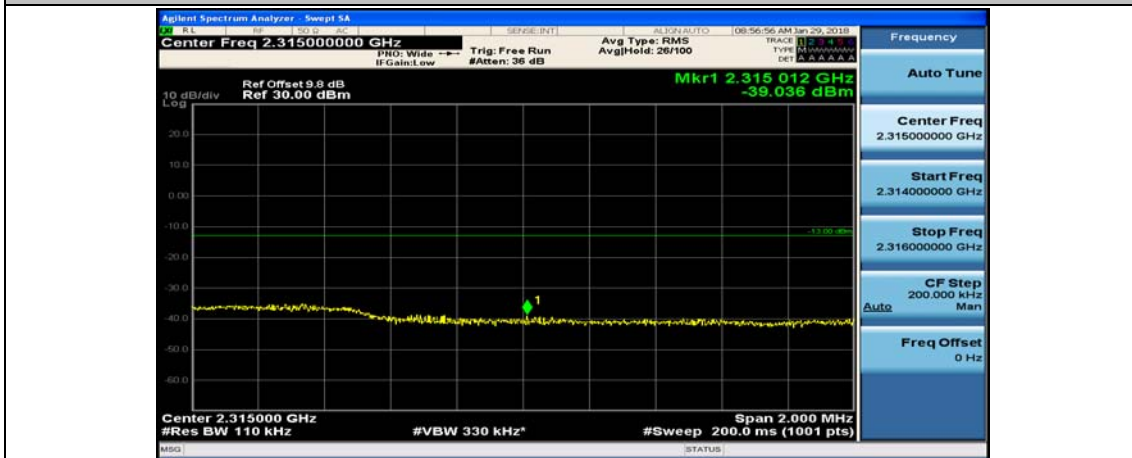
Channel Bandwidth: 10 MHz



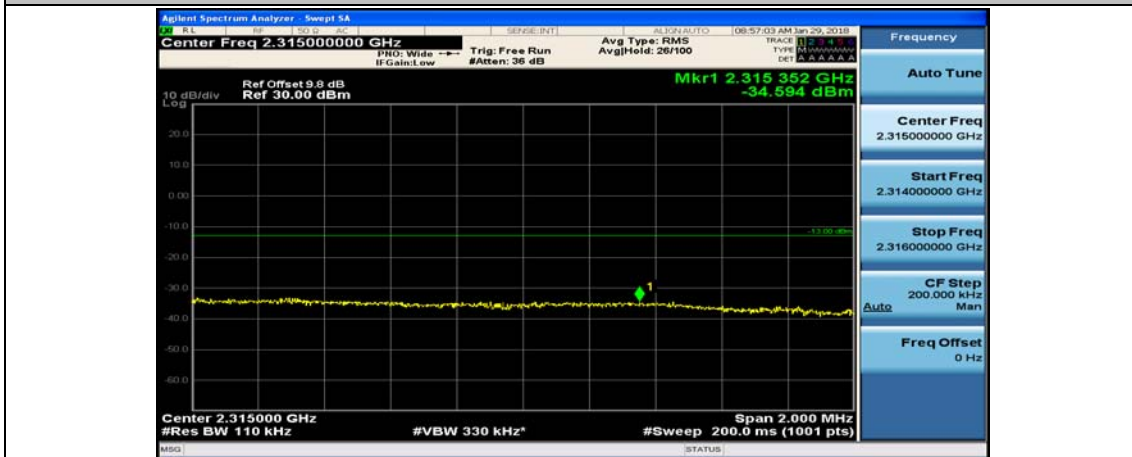
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



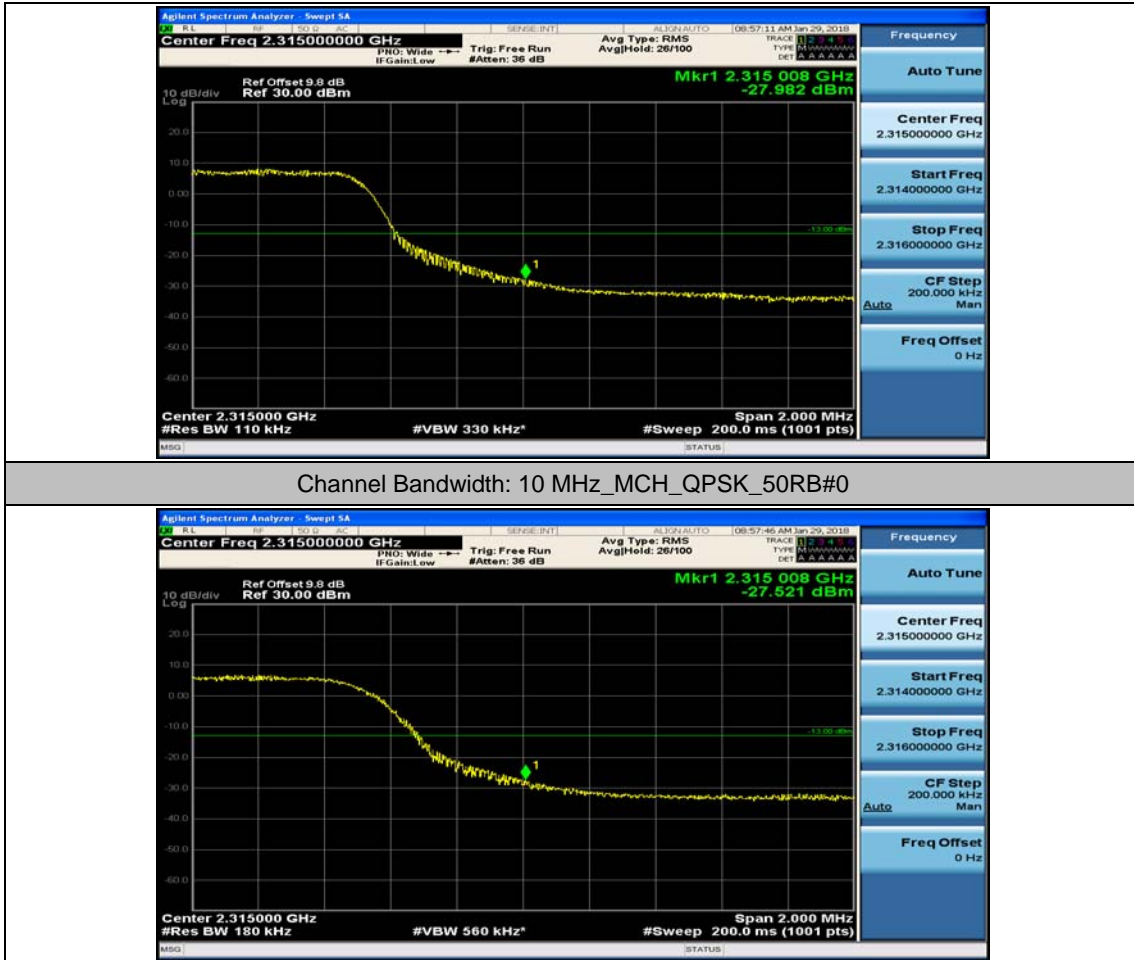
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



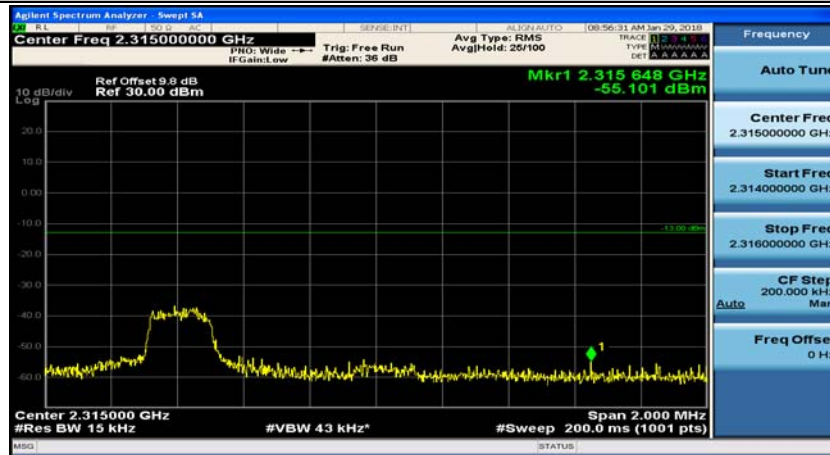
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



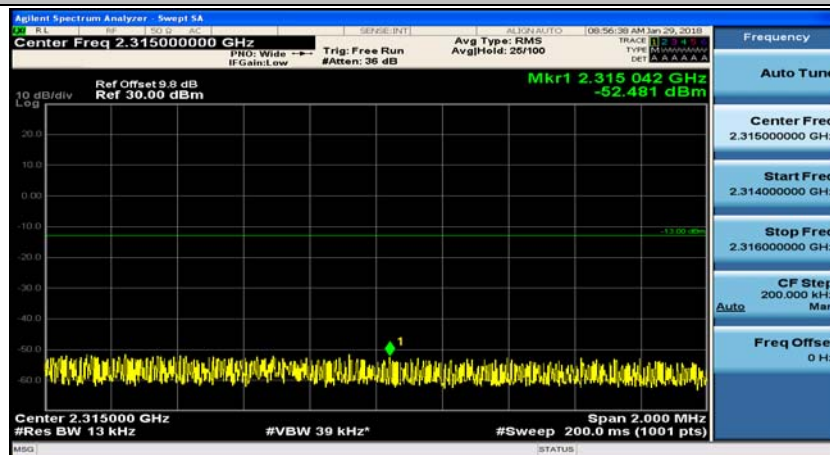
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



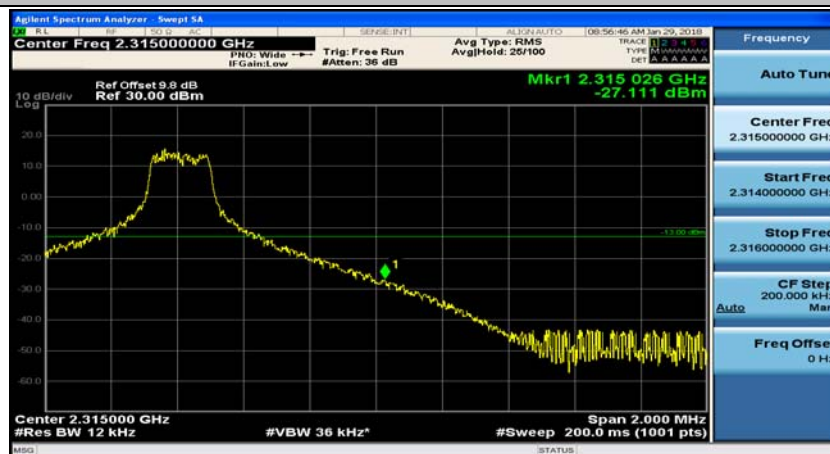
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



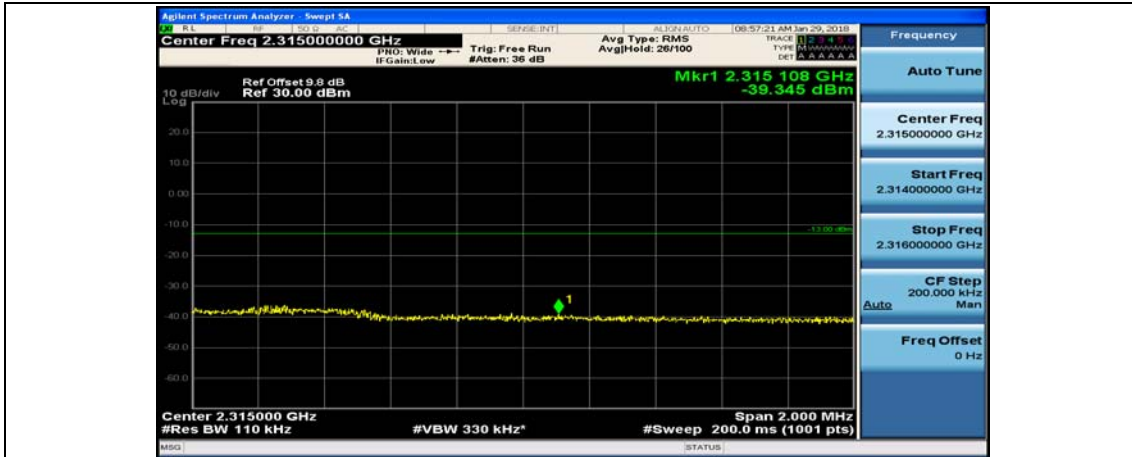
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



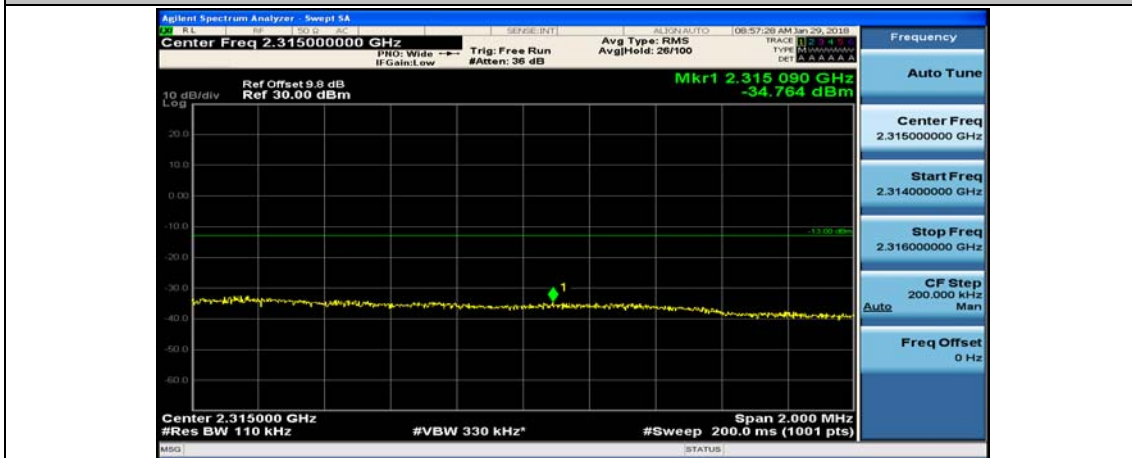
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



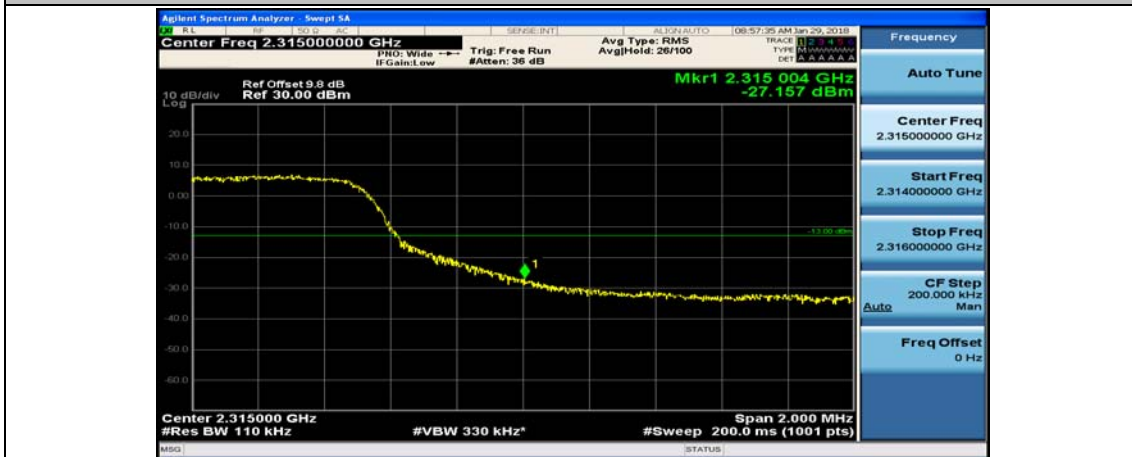
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0



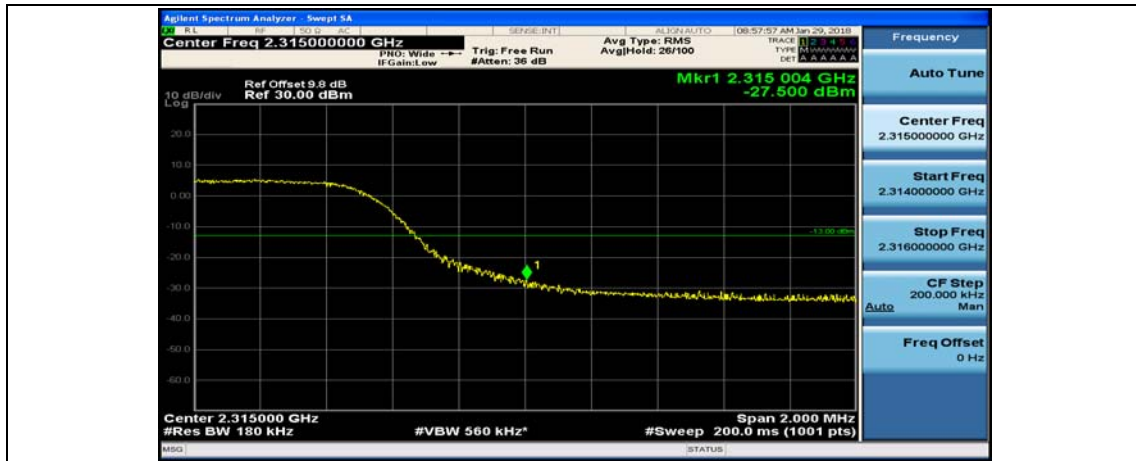
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

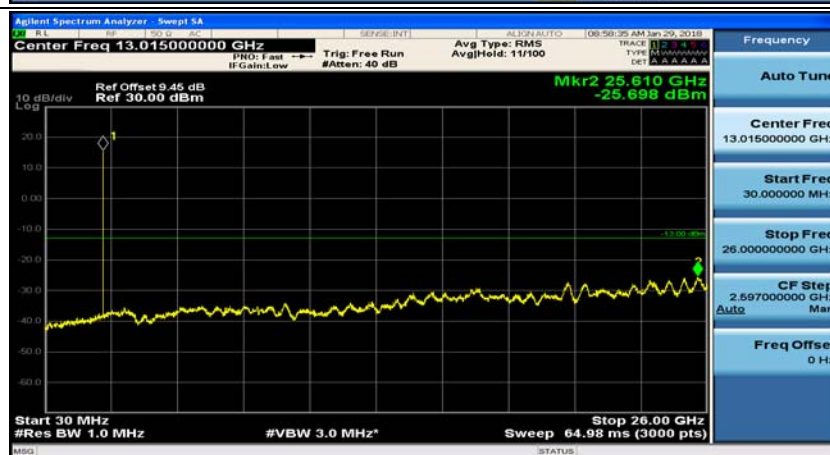
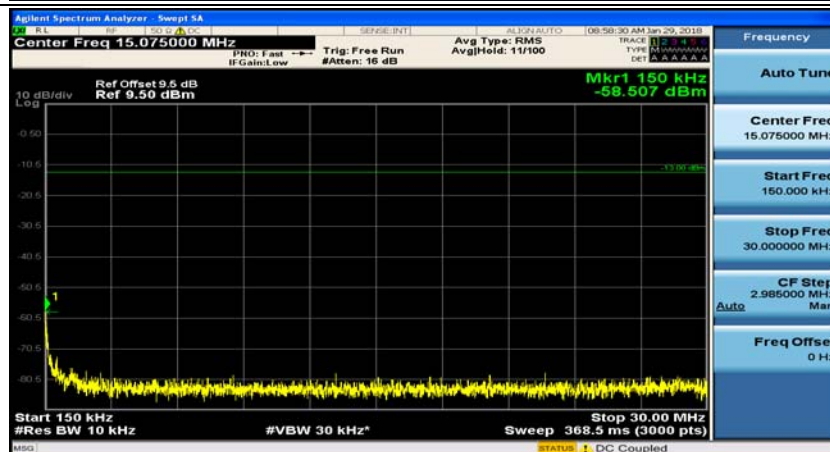
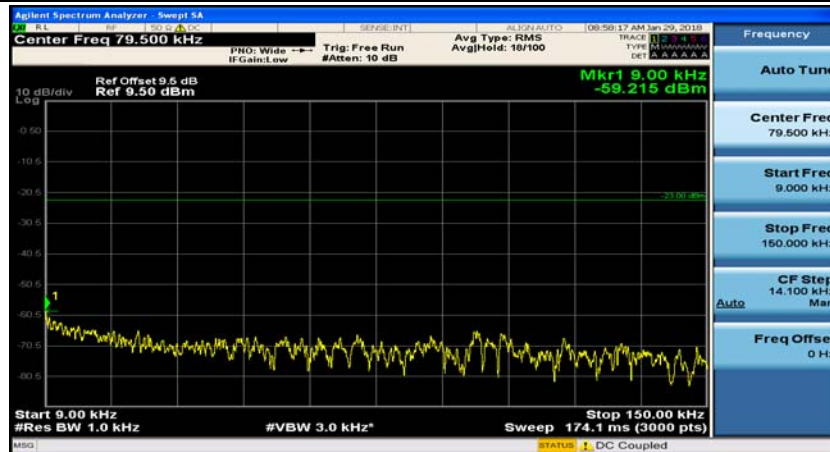


Appendix E: Conducted Spurious Emission

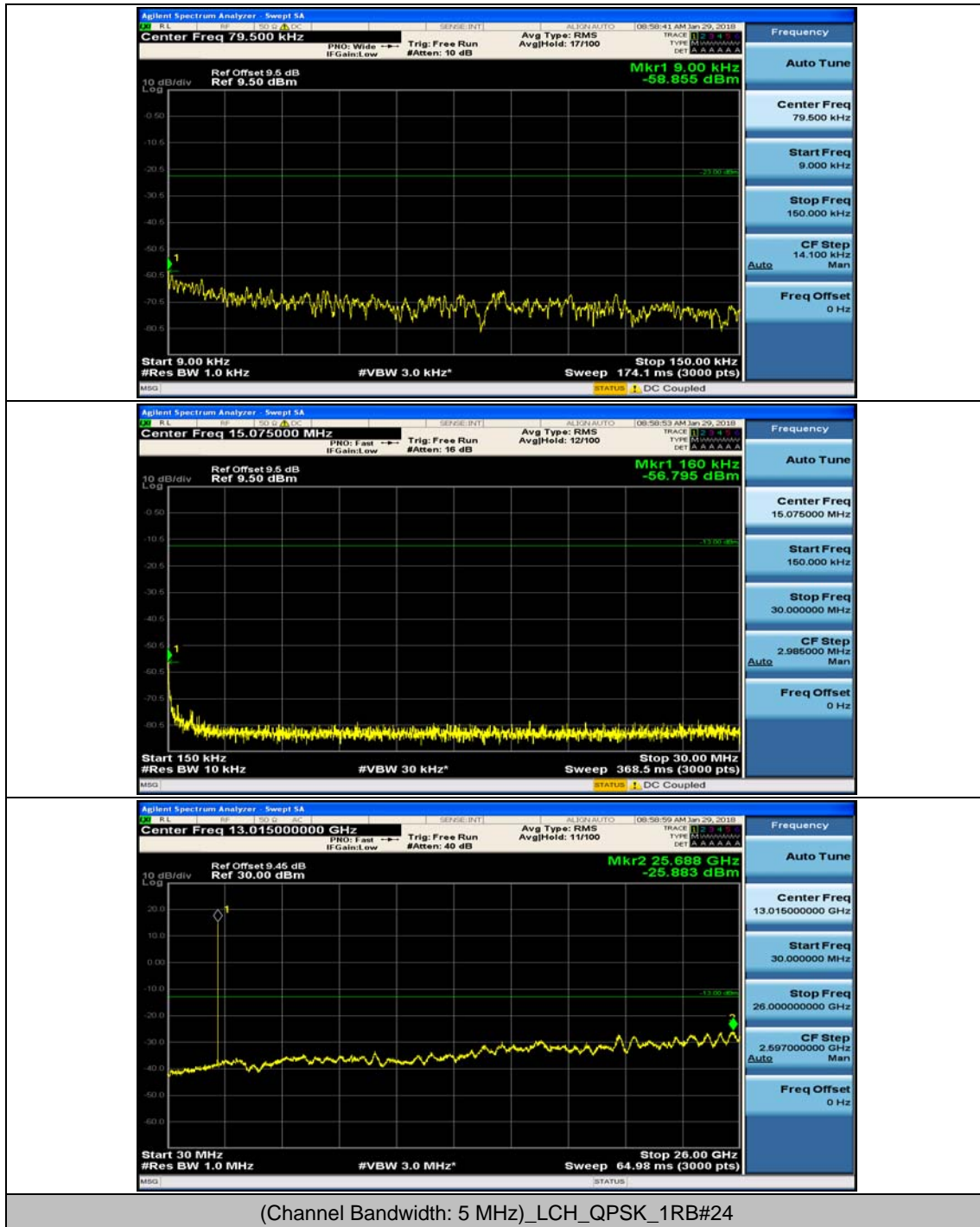
Test Graphs

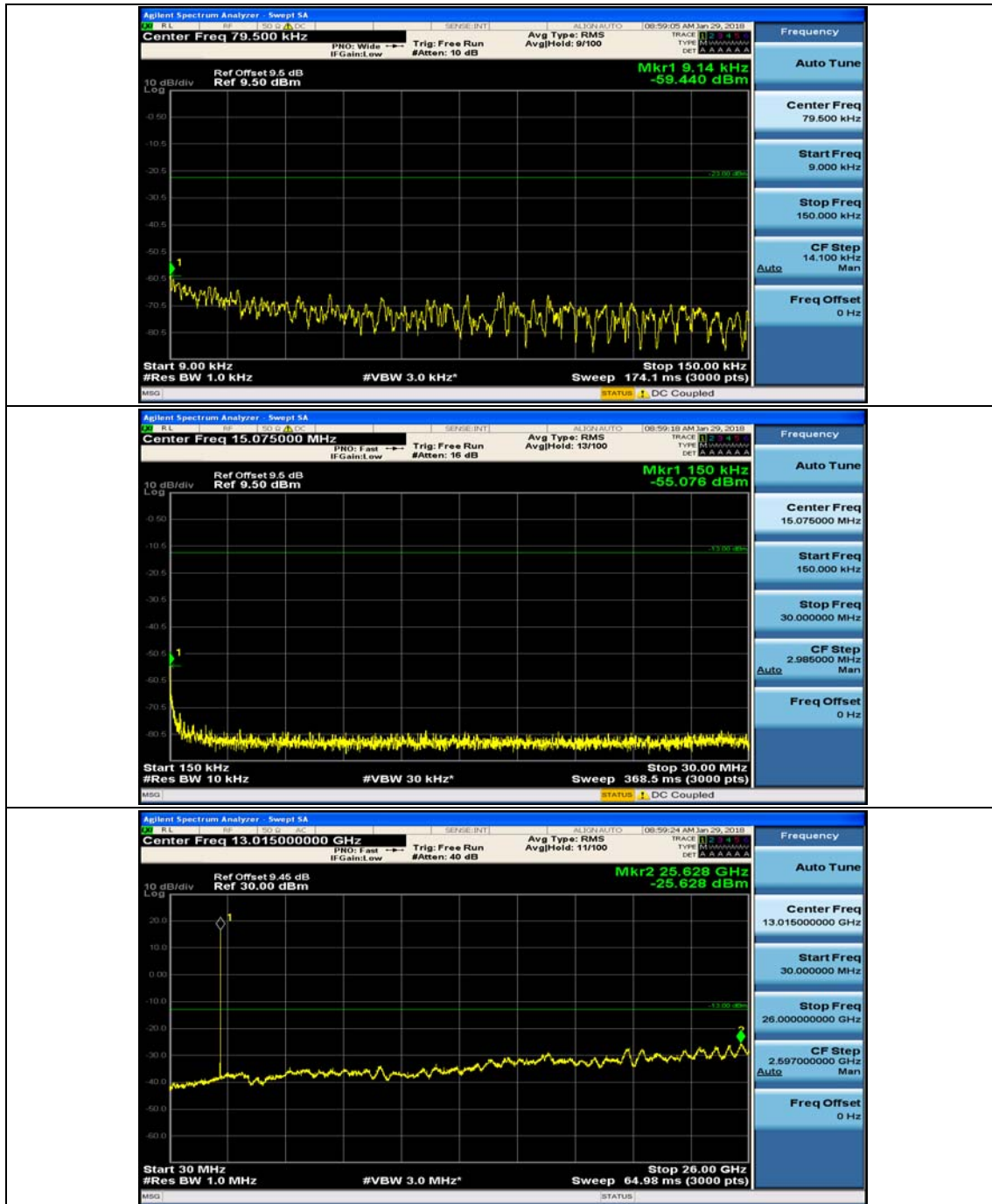
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

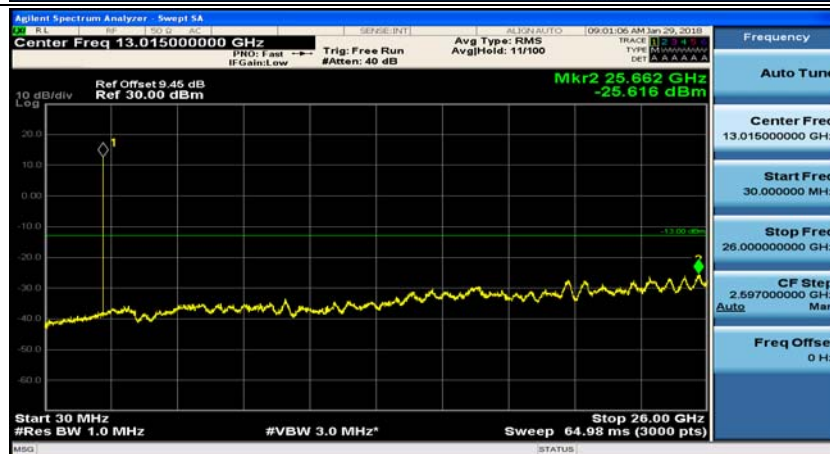
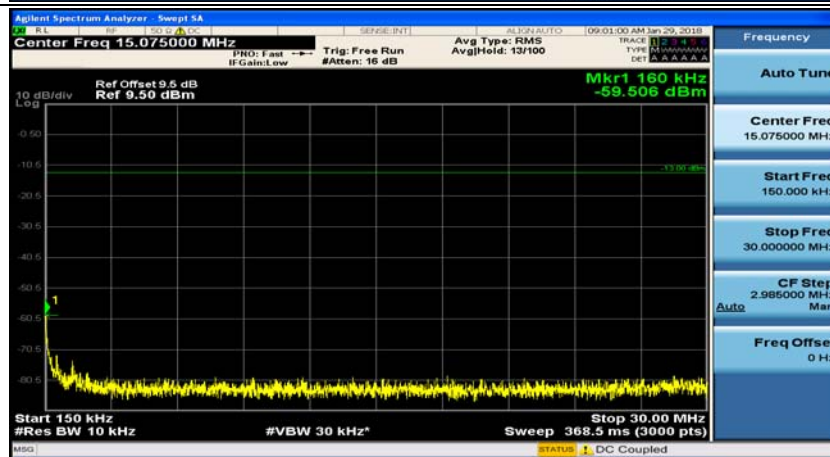
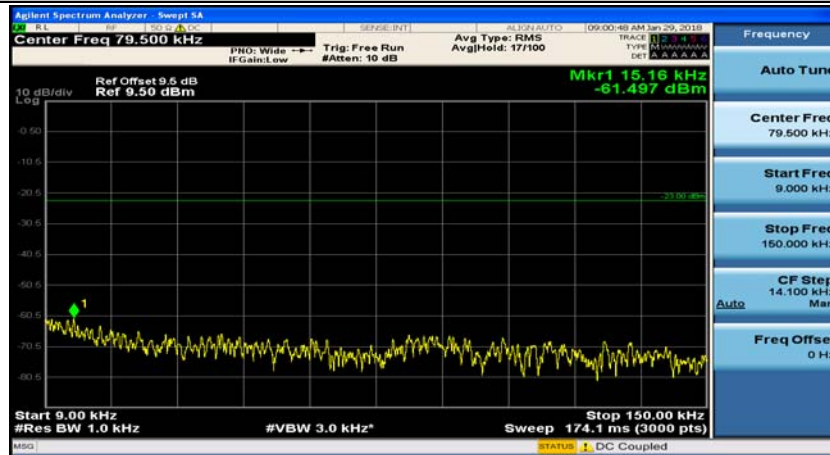


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

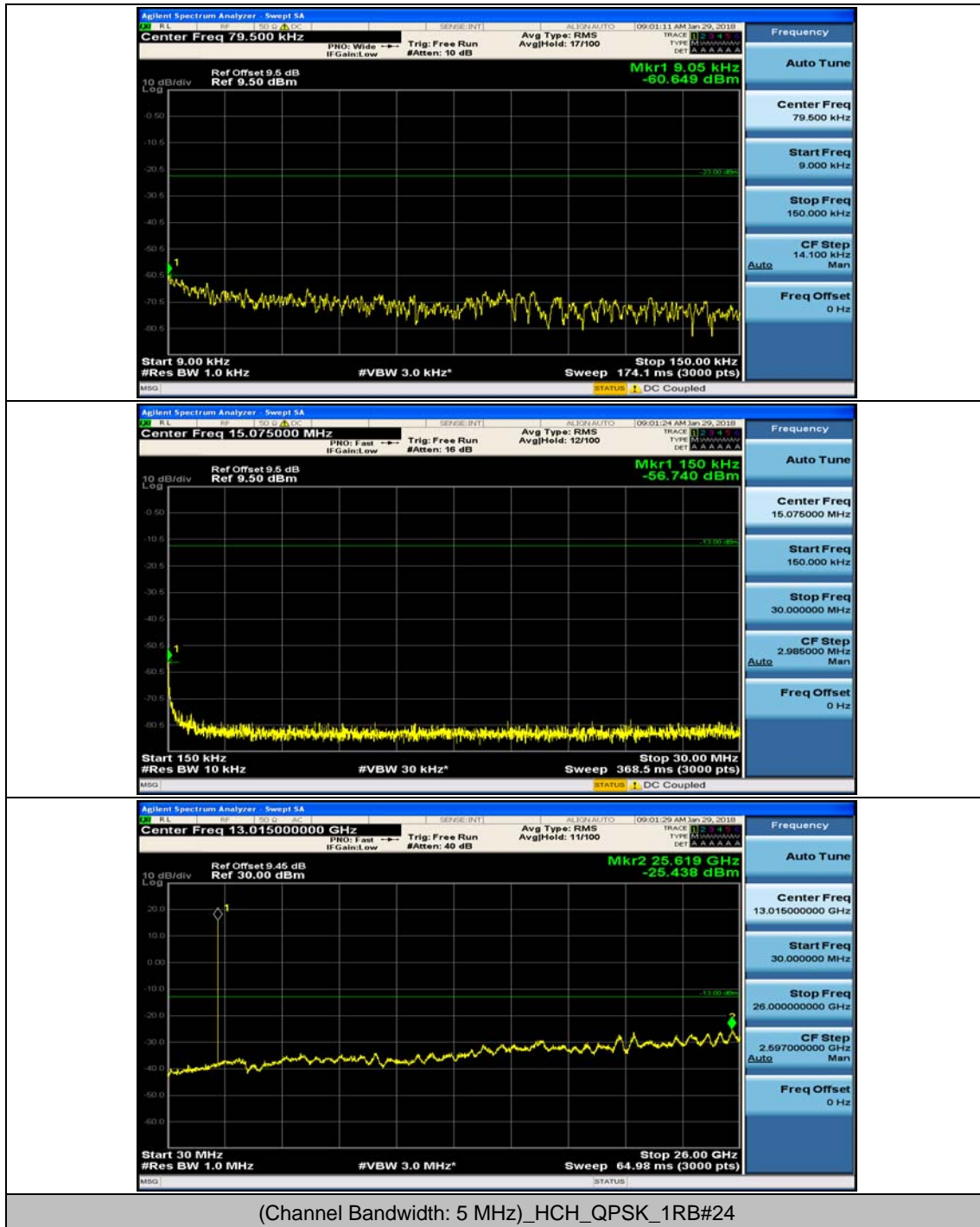


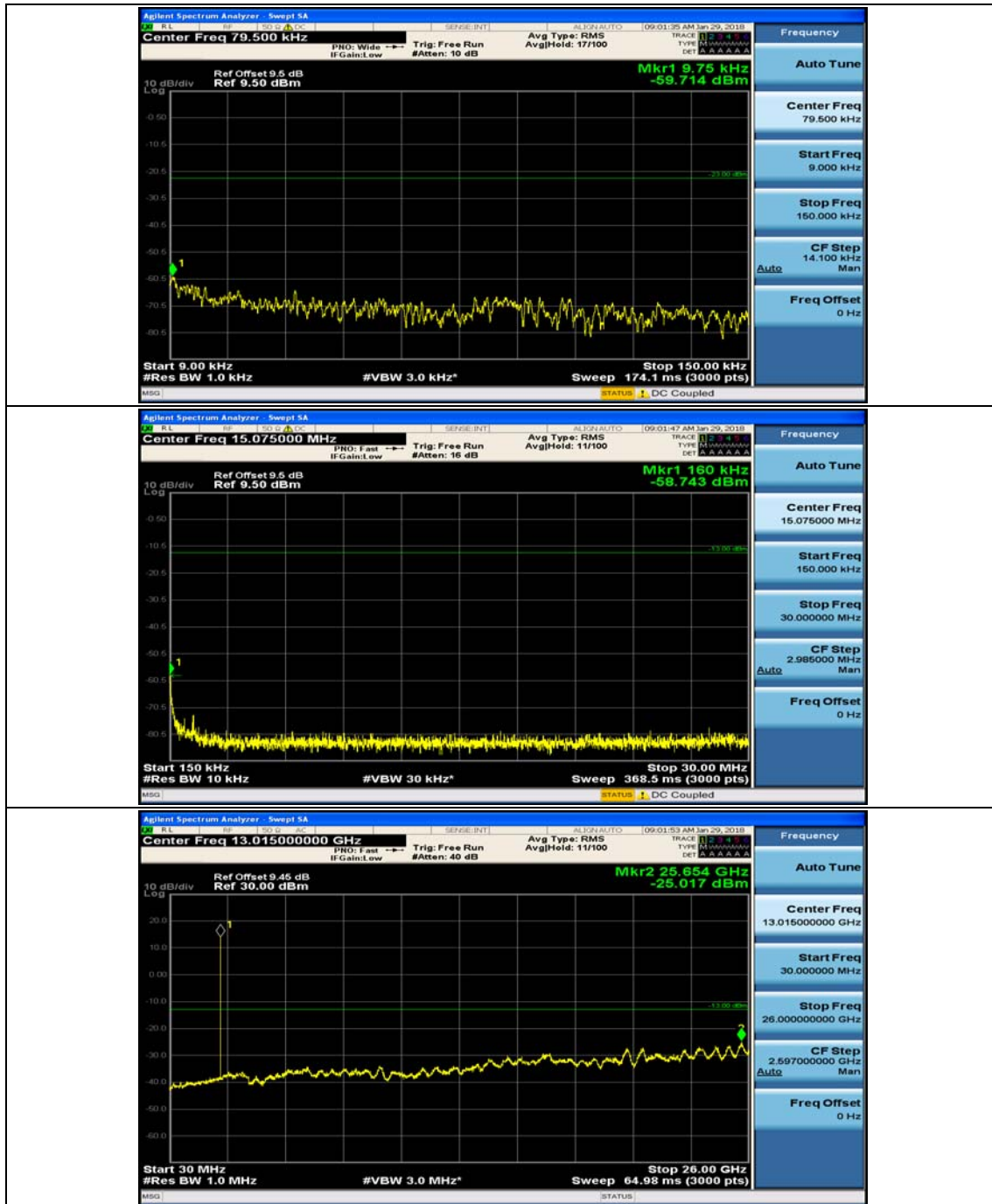


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

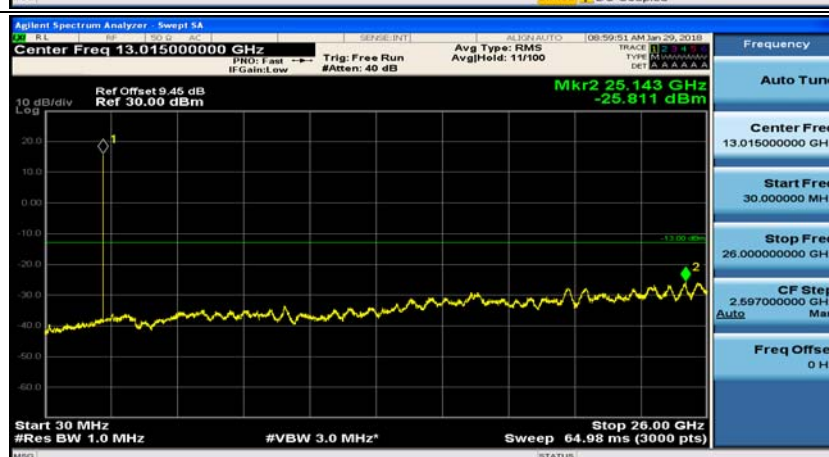
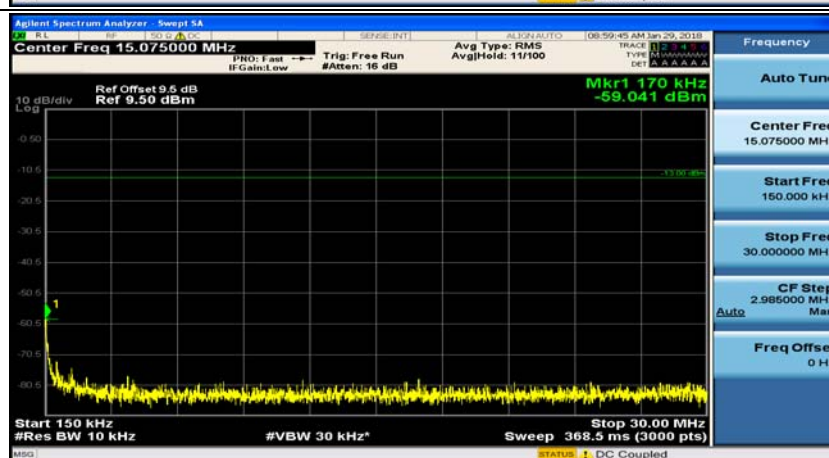
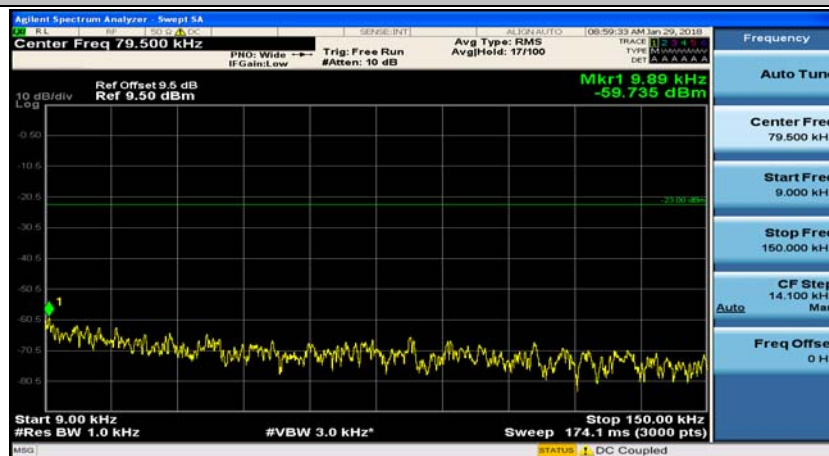


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

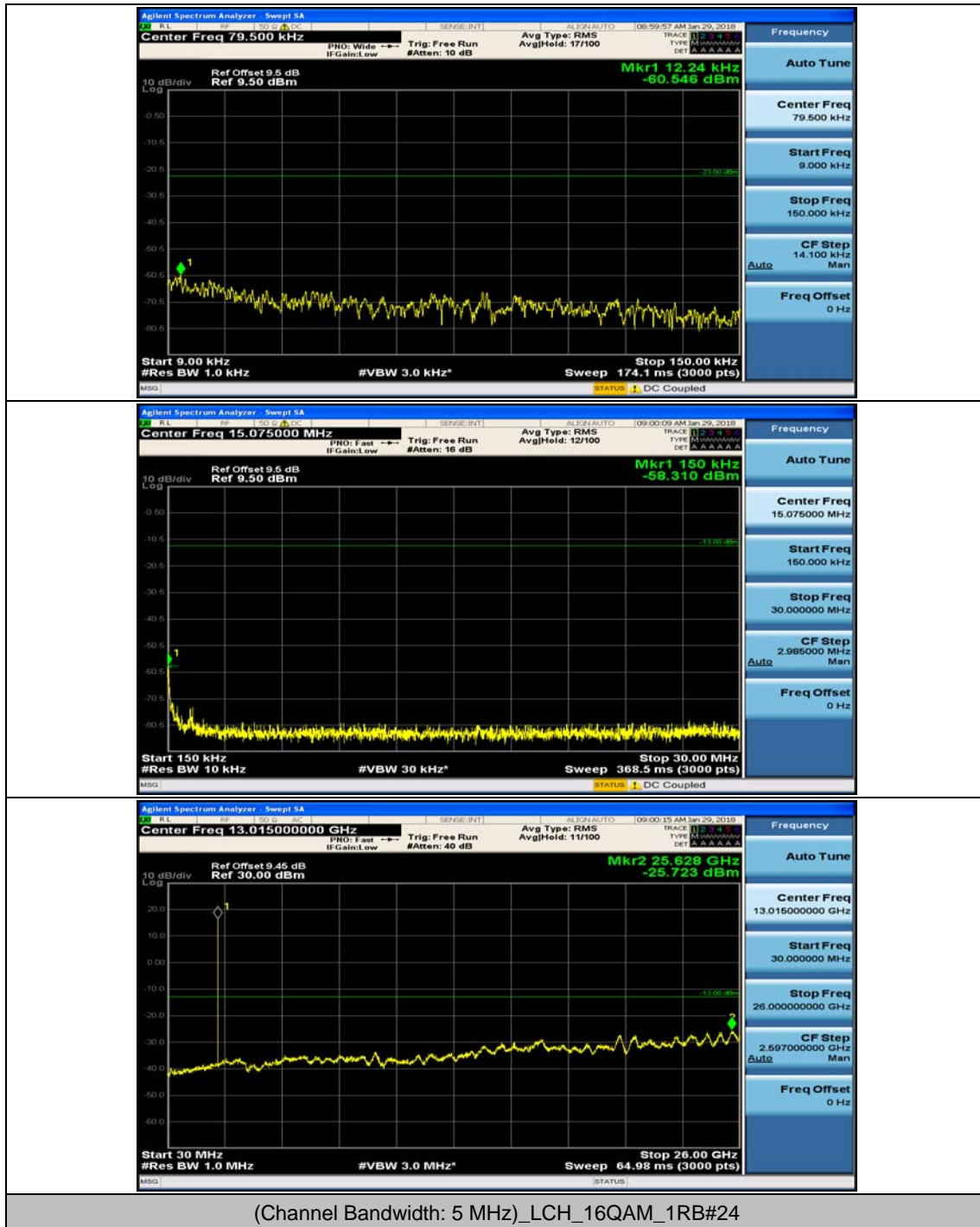


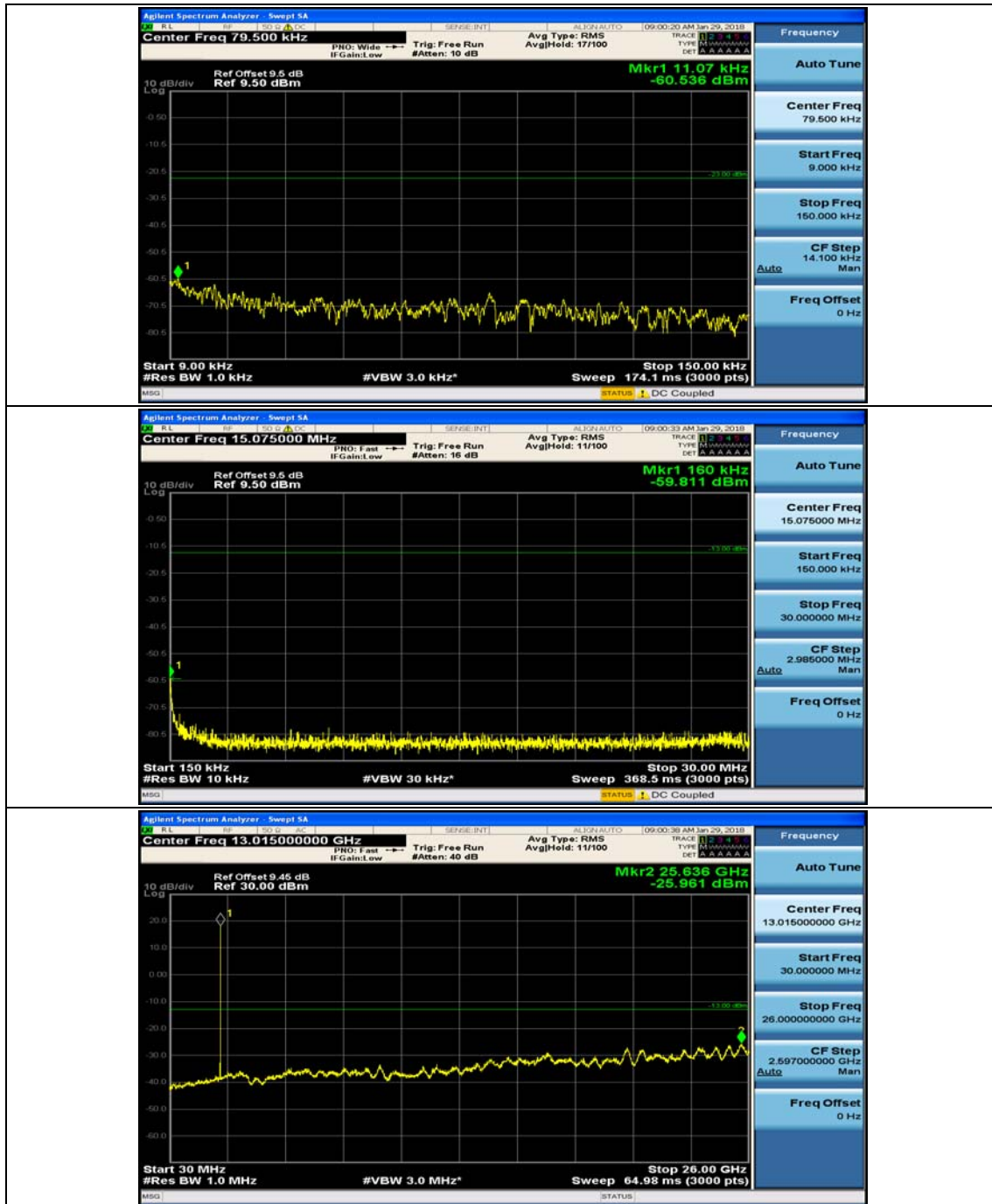


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

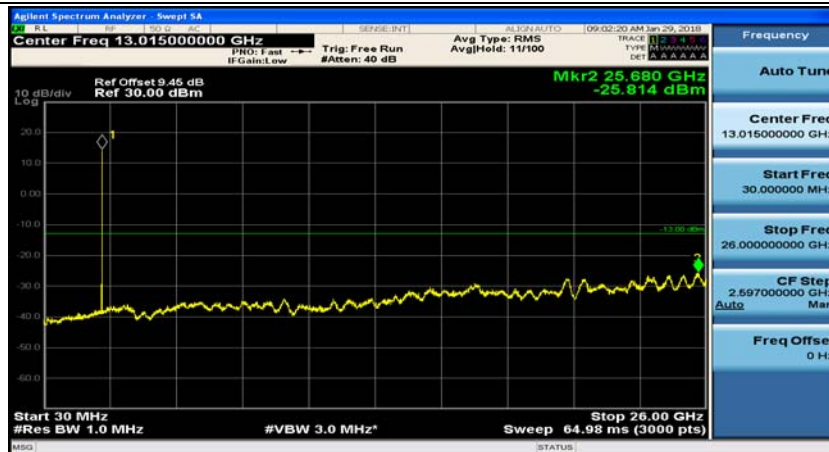
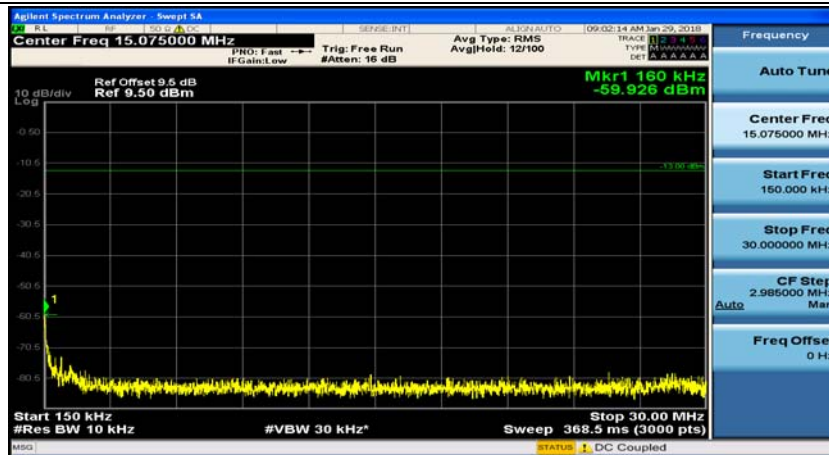
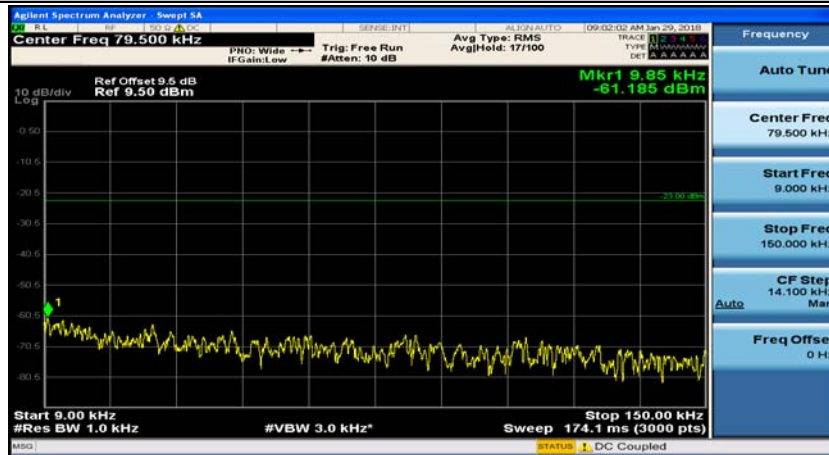


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

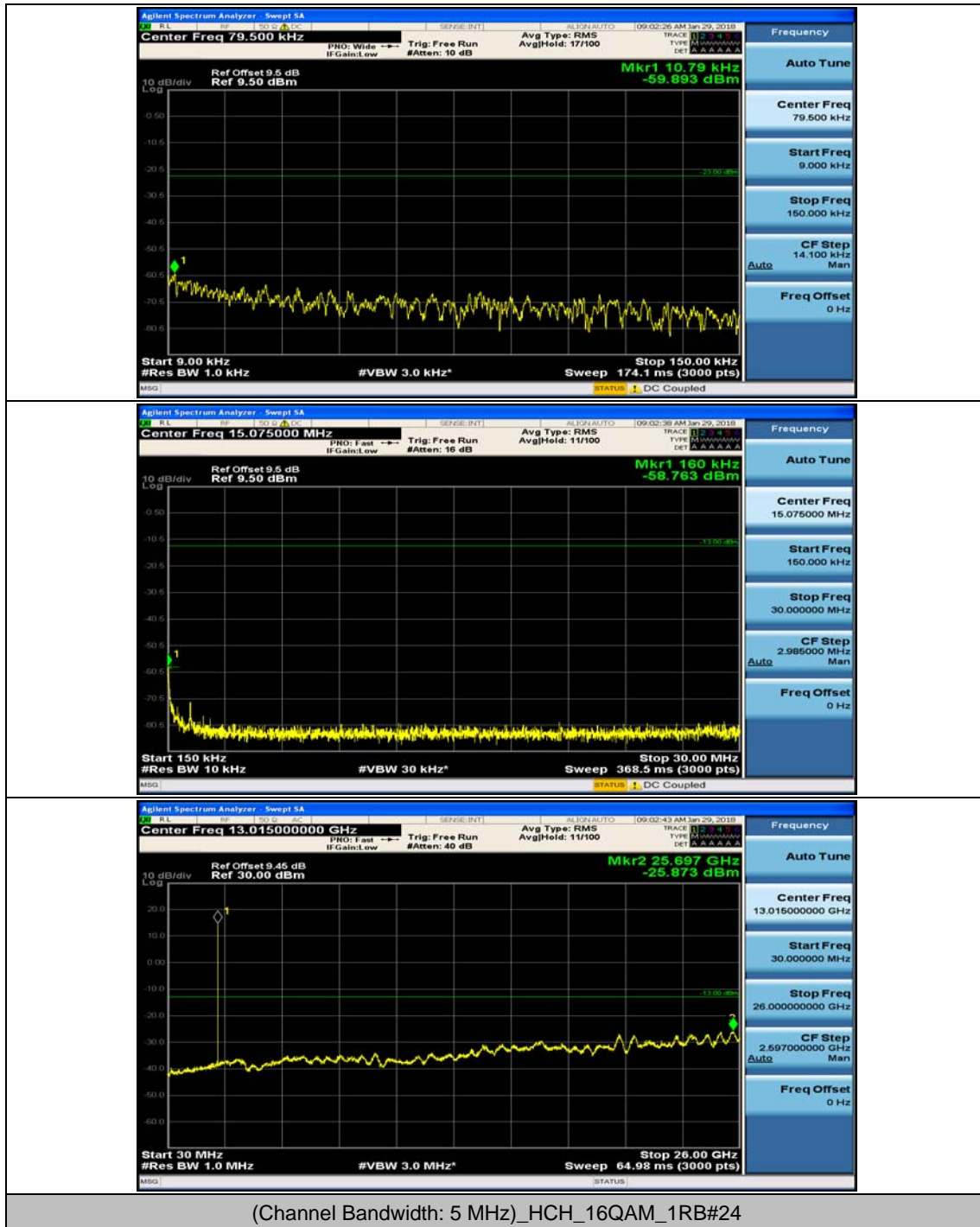


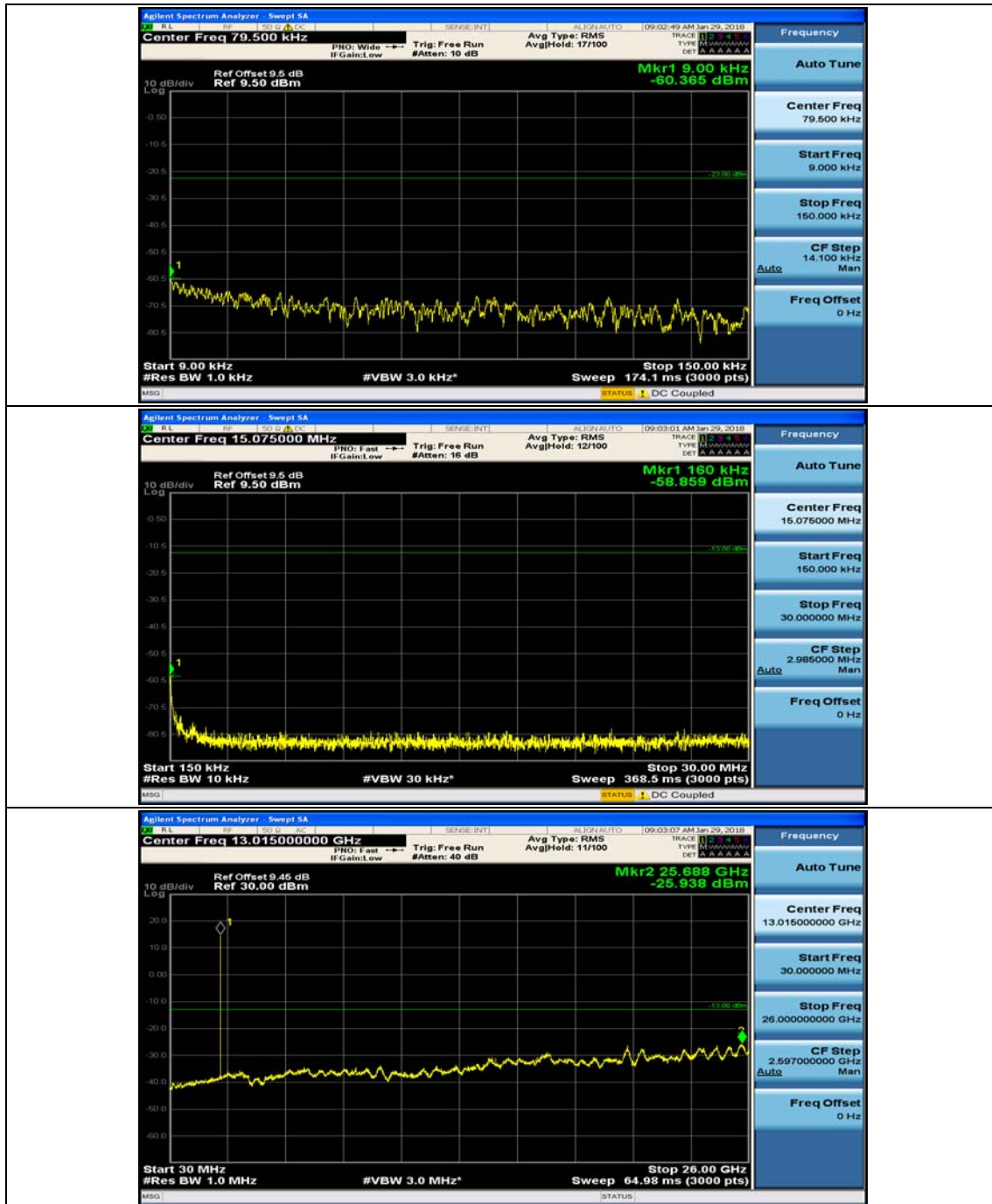


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

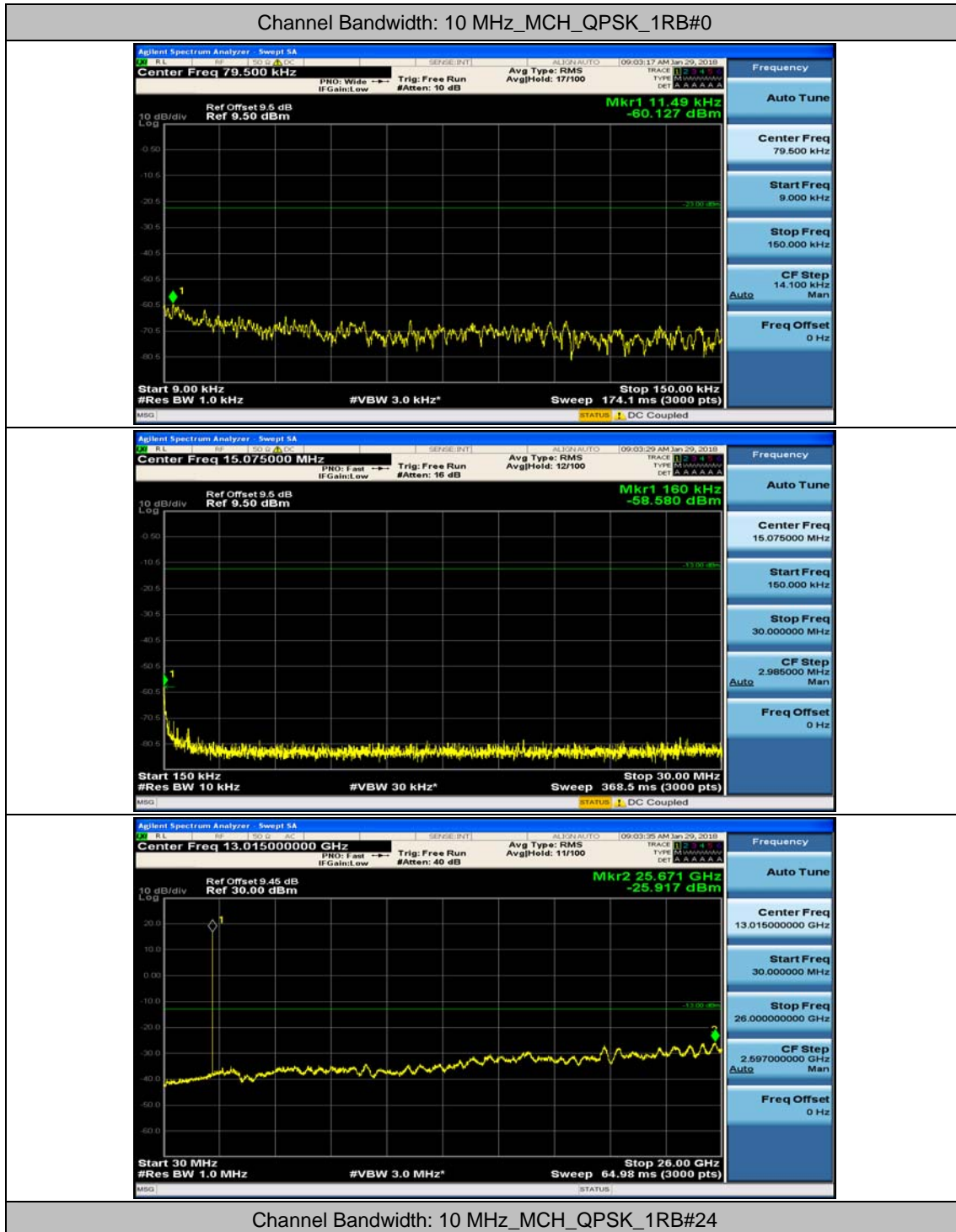


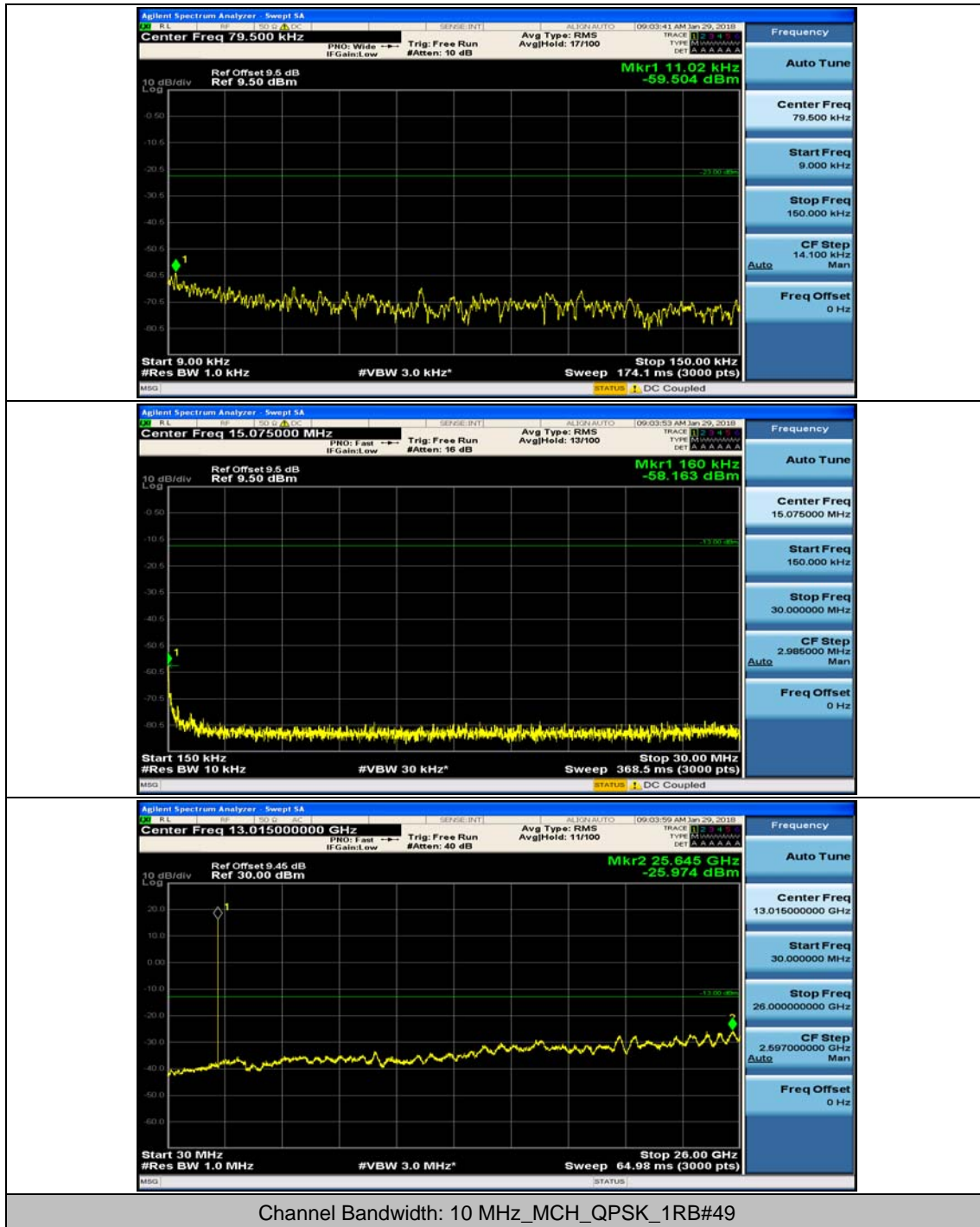
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

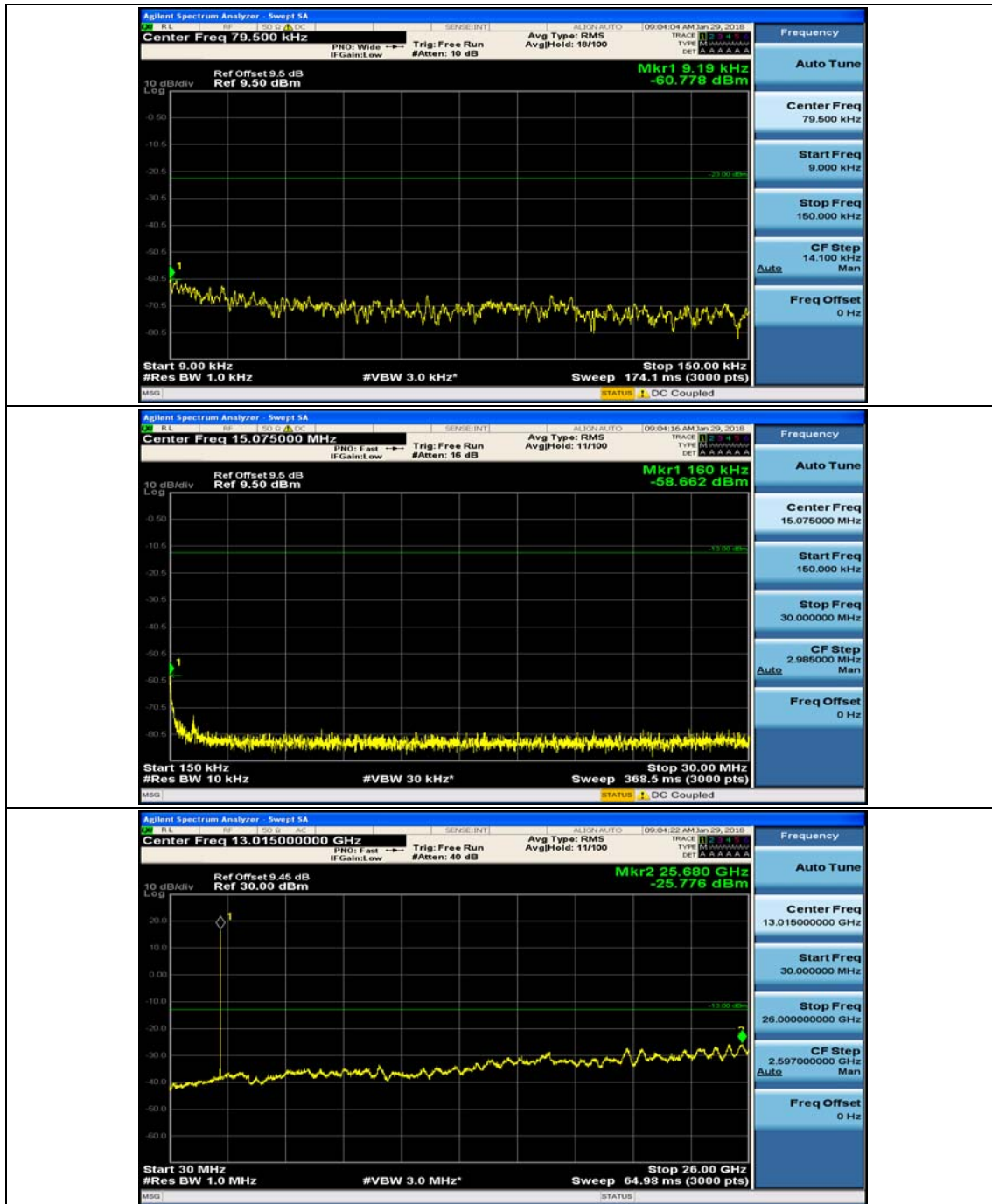




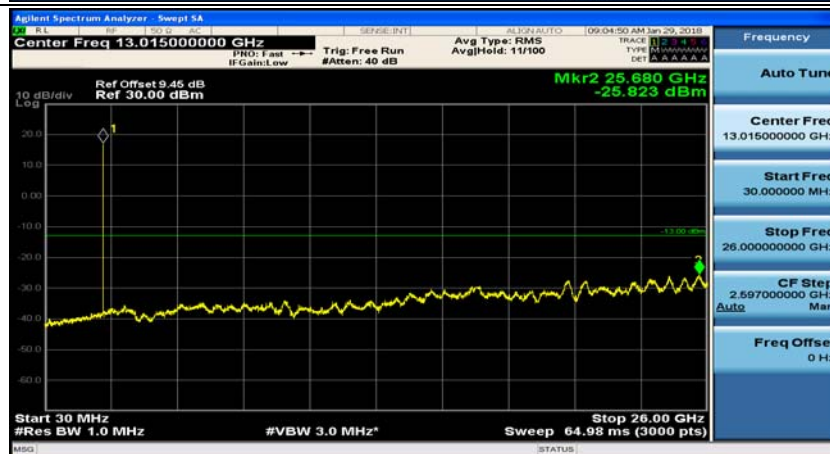
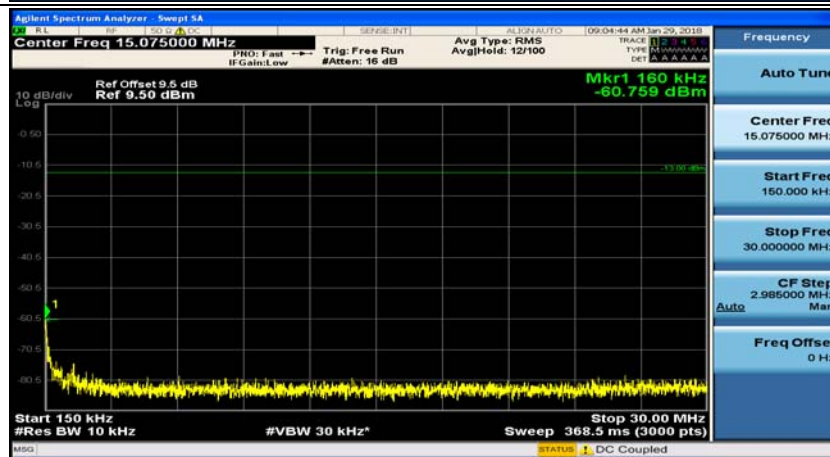
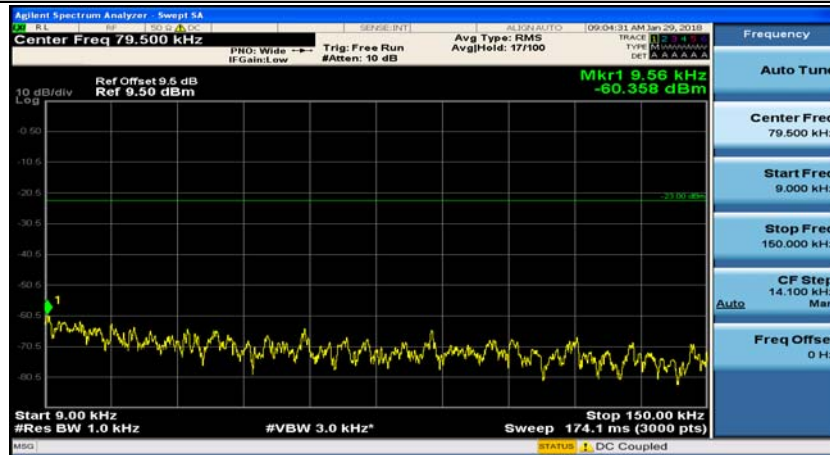
Channel Bandwidth: 10 MHz



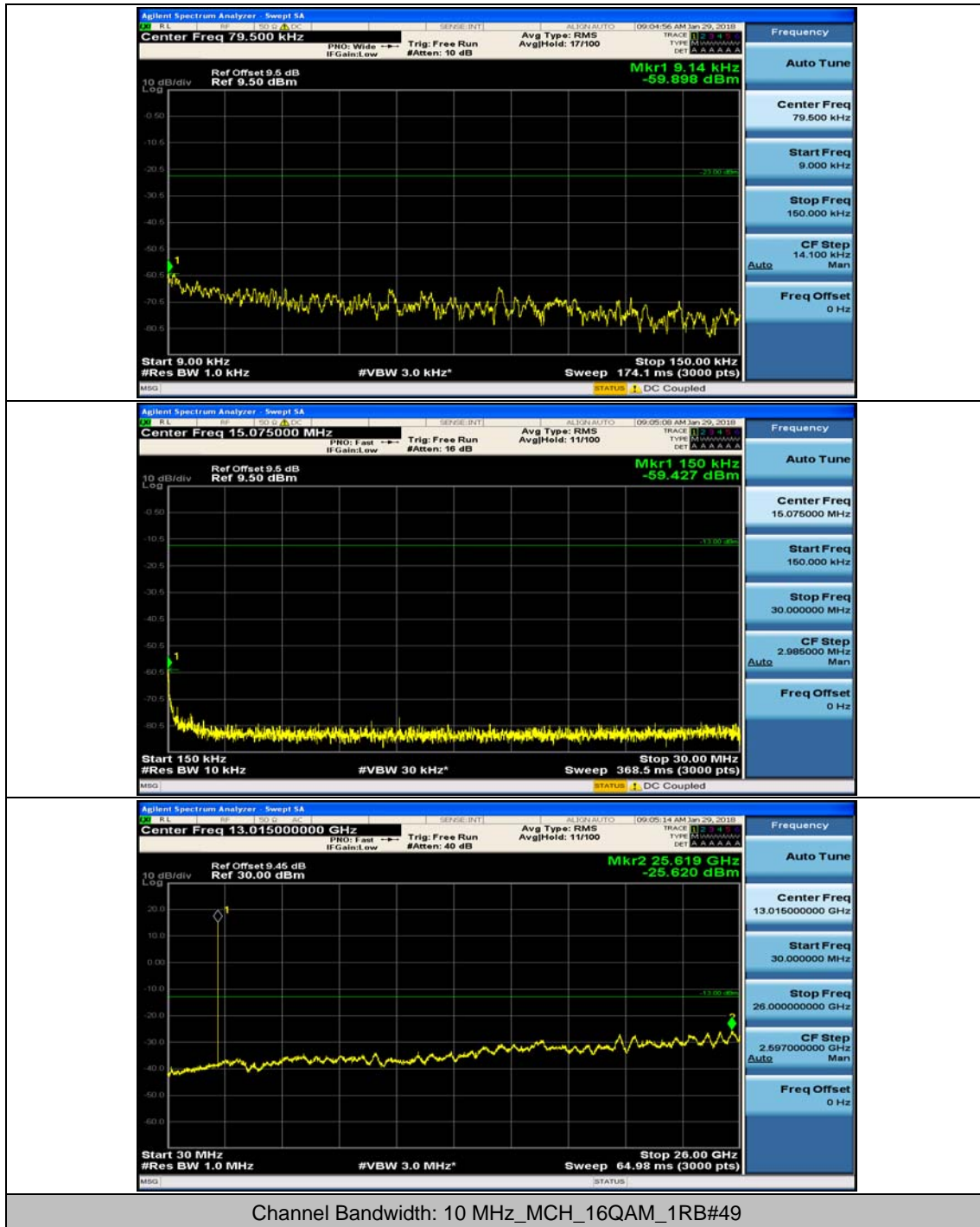


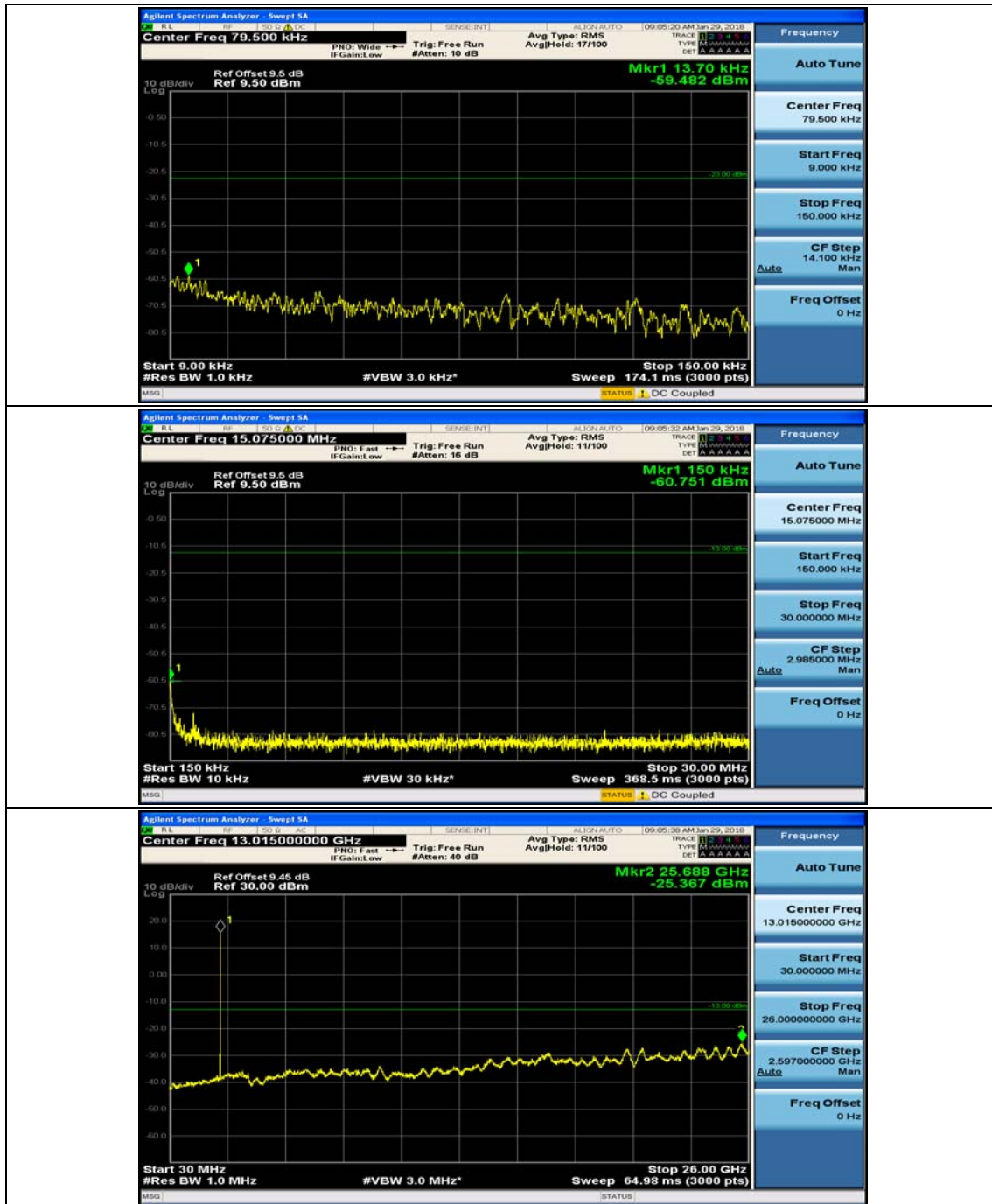


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24





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 | 4.86 | 0.002106 | ± 2.5 | PASS |
| | | VN | TN | 4.66 | 0.002020 | ± 2.5 | PASS |
| | | VH | TN | 2.11 | 0.000914 | ± 2.5 | PASS |
| | HCH | VL | TN | 4.85 | 0.002097 | ± 2.5 | PASS |
| | | VN | TN | 3.08 | 0.001332 | ± 2.5 | PASS |
| | | VH | TN | -0.38 | -0.000164 | ± 2.5 | PASS |
| 16QAM | LCH | VL | TN | -1.54 | -0.000667 | ± 2.5 | PASS |
| | | VN | TN | 0.77 | 0.000334 | ± 2.5 | PASS |
| | | VH | TN | -1.9 | -0.000823 | ± 2.5 | PASS |
| | HCH | VL | TN | 3.62 | 0.001565 | ± 2.5 | PASS |
| | | VN | TN | 3.34 | 0.001444 | ± 2.5 | PASS |
| | | VH | TN | -1.84 | -0.000796 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | LCH | VN | -30 | 1.7 | 0.000737 | ± 2.5 | PASS |
| | | VN | -20 | -0.79 | -0.000342 | ± 2.5 | PASS |
| | | VN | -10 | 1.42 | 0.000615 | ± 2.5 | PASS |
| | | VN | 0 | 3.23 | 0.001400 | ± 2.5 | PASS |
| | | VN | 10 | 2.76 | 0.001196 | ± 2.5 | PASS |
| | | VN | 20 | 3.73 | 0.001616 | ± 2.5 | PASS |
| | | VN | 30 | 4.14 | 0.001794 | ± 2.5 | PASS |
| | | VN | 40 | -1 | -0.000433 | ± 2.5 | PASS |
| | | VN | 50 | -0.46 | -0.000199 | ± 2.5 | PASS |
| | HCH | VN | -30 | 1.05 | 0.000454 | ± 2.5 | PASS |
| | | VN | -20 | -1.6 | -0.000692 | ± 2.5 | PASS |
| | | VN | -10 | 2.96 | 0.001280 | ± 2.5 | PASS |
| | | VN | 0 | 4.3 | 0.001859 | ± 2.5 | PASS |
| | | VN | 10 | -0.86 | -0.000372 | ± 2.5 | PASS |
| | | VN | 20 | 0.12 | 0.000052 | ± 2.5 | PASS |
| VN | | 30 | 1.7 | 0.000735 | ± 2.5 | PASS | |
| VN | 40 | 1.66 | 0.000718 | ± 2.5 | PASS | | |

| | | | | | | | |
|-------|-----|----|-----|-------|-----------|-------|------|
| | | VN | 50 | 3.55 | 0.001535 | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 0.43 | 0.000186 | ± 2.5 | PASS |
| | | VN | -20 | 1.36 | 0.000589 | ± 2.5 | PASS |
| | | VN | -10 | 1.61 | 0.000698 | ± 2.5 | PASS |
| | | VN | 0 | 1.46 | 0.000633 | ± 2.5 | PASS |
| | | VN | 10 | 1.62 | 0.000702 | ± 2.5 | PASS |
| | | VN | 20 | 2.16 | 0.000936 | ± 2.5 | PASS |
| | | VN | 30 | 2.22 | 0.000962 | ± 2.5 | PASS |
| | | VN | 40 | 0.65 | 0.000282 | ± 2.5 | PASS |
| | | VN | 50 | -0.35 | -0.000152 | ± 2.5 | PASS |
| | HCH | VN | -30 | 4.62 | 0.001998 | ± 2.5 | PASS |
| | | VN | -20 | 4.19 | 0.001812 | ± 2.5 | PASS |
| | | VN | -10 | 3.57 | 0.001544 | ± 2.5 | PASS |
| | | VN | 0 | -0.64 | -0.000277 | ± 2.5 | PASS |
| | | VN | 10 | 2.68 | 0.001159 | ± 2.5 | PASS |
| | | VN | 20 | -0.92 | -0.000398 | ± 2.5 | PASS |
| | | VN | 30 | -1.34 | -0.000579 | ± 2.5 | PASS |
| | | VN | 40 | 4.87 | 0.002106 | ± 2.5 | PASS |
| | | VN | 50 | 0.09 | 0.000039 | ± 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 | MCH | VL | TN | -1.26 | -0.000545 | ± 2.5 | PASS |
| | | VN | TN | -0.36 | -0.000156 | ± 2.5 | PASS |
| | | VH | TN | 1.77 | 0.000766 | ± 2.5 | PASS |
| 16QAM | MCH | VL | TN | -0.64 | -0.000277 | ± 2.5 | PASS |
| | | VN | TN | -0.96 | -0.000416 | ± 2.5 | PASS |
| | | VH | TN | 1.31 | 0.000567 | ± 2.5 | PASS |
| Temperature | | | | | | | |
| Modulation | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK | MCH | VN | -30 | -0.93 | -0.000403 | ± 2.5 | PASS |
| | | VN | -20 | 3.65 | 0.001580 | ± 2.5 | PASS |
| | | VN | -10 | -1.07 | -0.000463 | ± 2.5 | PASS |
| | | VN | 0 | 3.68 | 0.001593 | ± 2.5 | PASS |
| | | VN | 10 | 4.58 | 0.001983 | ± 2.5 | PASS |
| | | VN | 20 | 2.26 | 0.000978 | ± 2.5 | PASS |
| | | VN | 30 | -1.88 | -0.000814 | ± 2.5 | PASS |

| | | | | | | | |
|-------|-----|----|-----|-------|-----------|-----------|------|
| | | VN | 40 | 2.5 | 0.001082 | ± 2.5 | PASS |
| | | VN | 50 | 2.36 | 0.001022 | ± 2.5 | PASS |
| 16QAM | MCH | VN | -30 | 0.97 | 0.000420 | ± 2.5 | PASS |
| | | VN | -20 | 2.59 | 0.001121 | ± 2.5 | PASS |
| | | VN | -10 | 3.34 | 0.001446 | ± 2.5 | PASS |
| | | VN | 0 | 1.59 | 0.000688 | ± 2.5 | PASS |
| | | VN | 10 | -0.89 | -0.000385 | ± 2.5 | PASS |
| | | VN | 20 | 2.88 | 0.001247 | ± 2.5 | PASS |
| | | VN | 30 | 3.64 | 0.001576 | ± 2.5 | PASS |
| | | VN | 40 | -0.83 | -0.000359 | ± 2.5 | PASS |
| | | VN | 50 | 2.32 | 0.001004 | ± 2.5 | PASS |