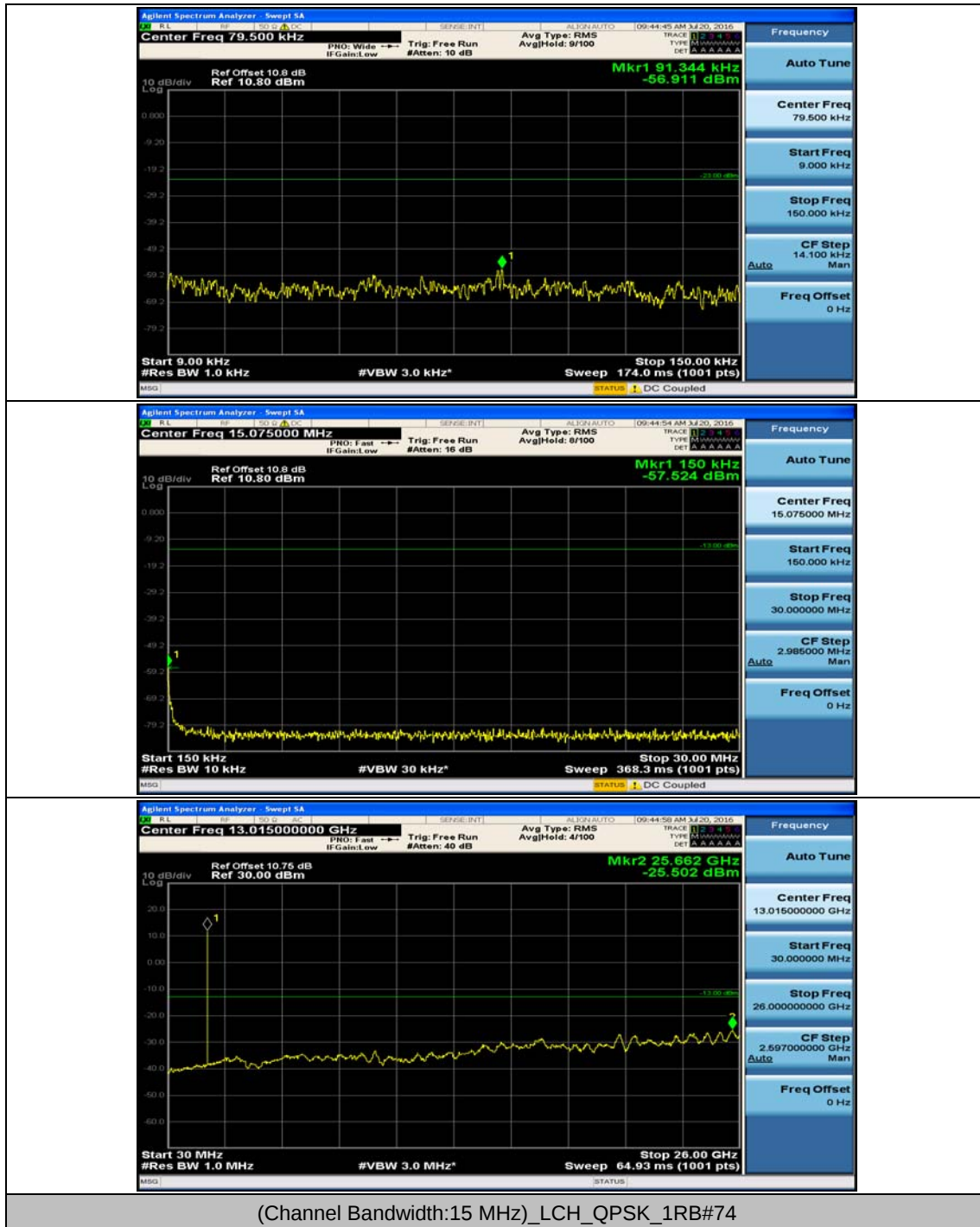
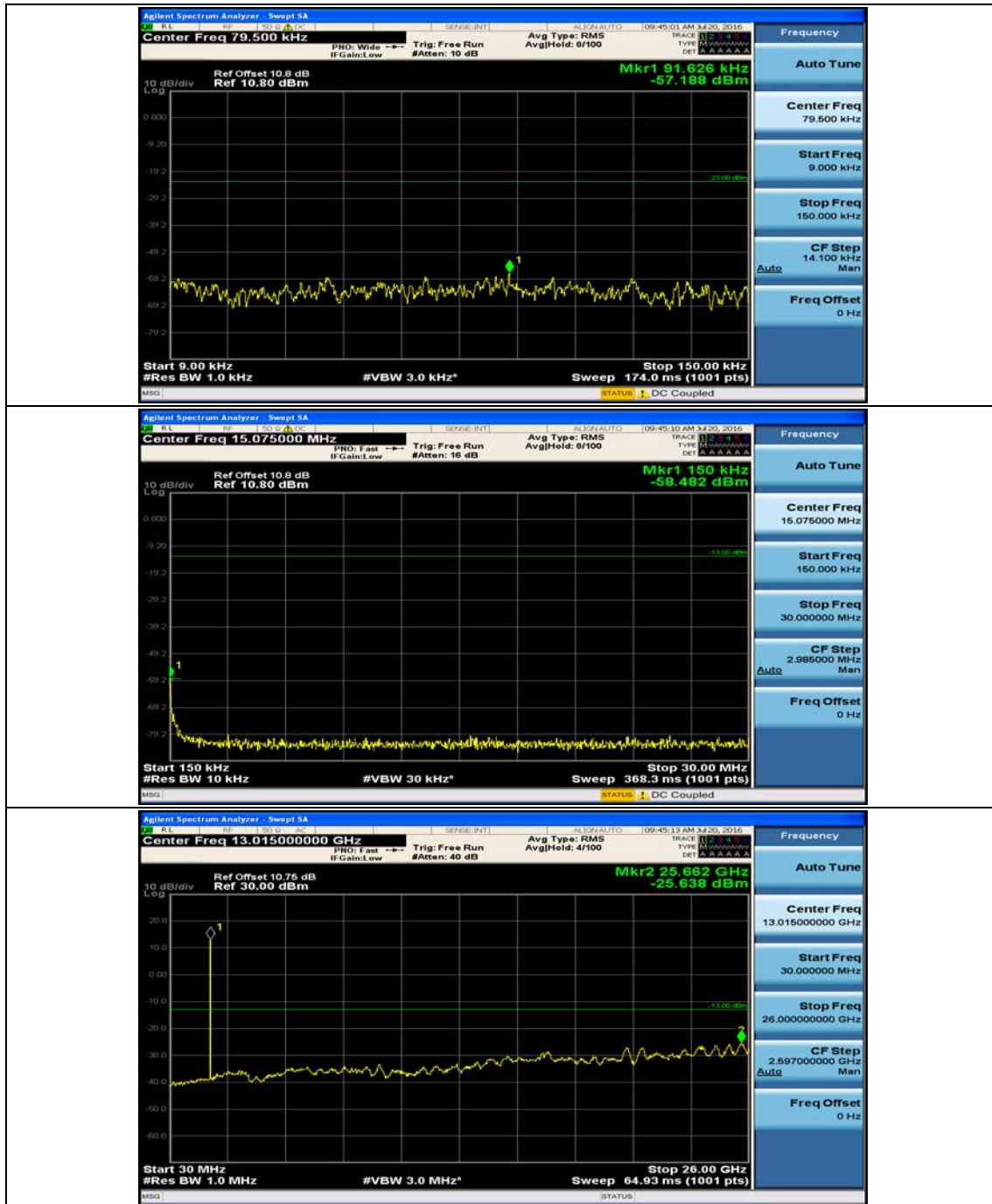
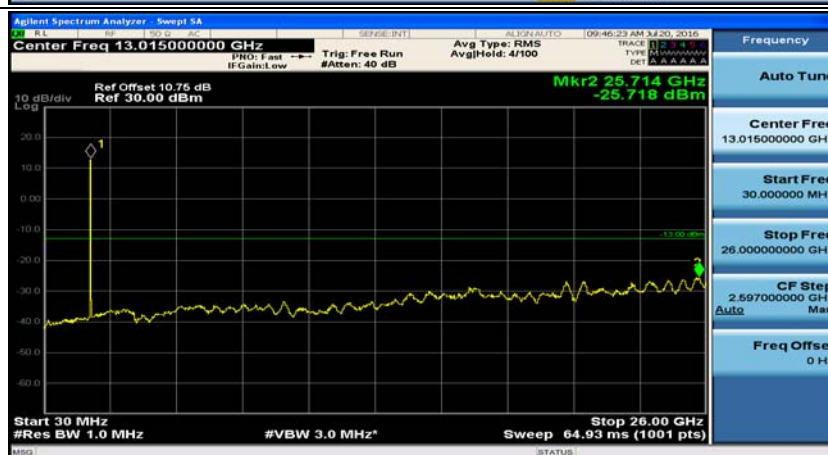
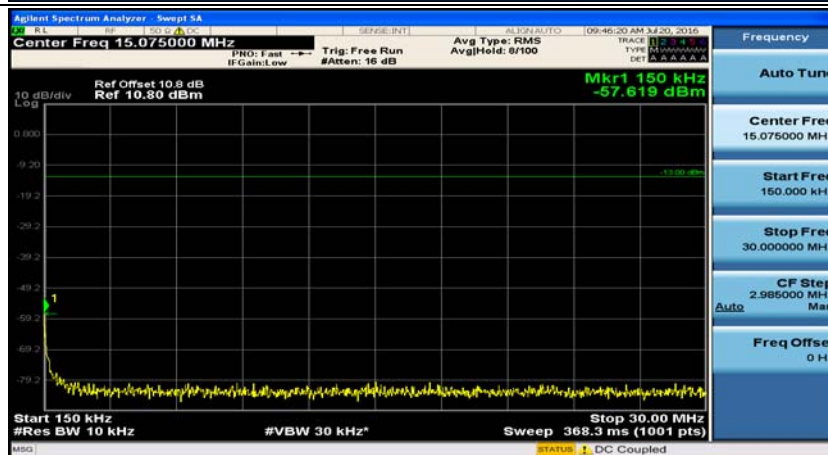
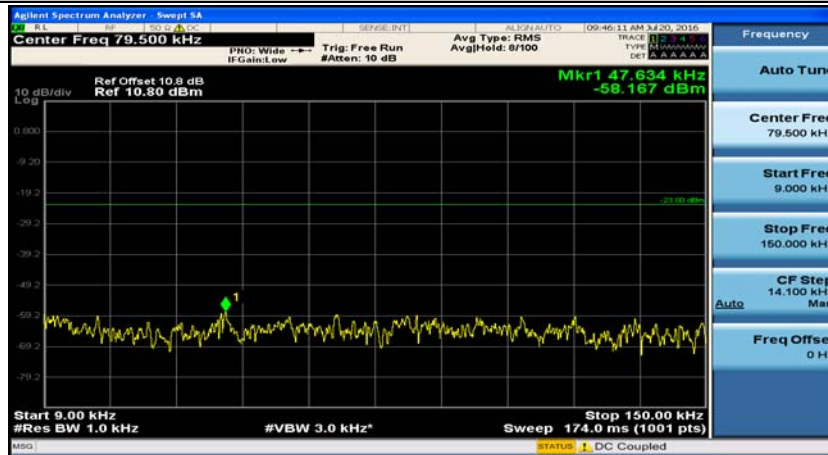


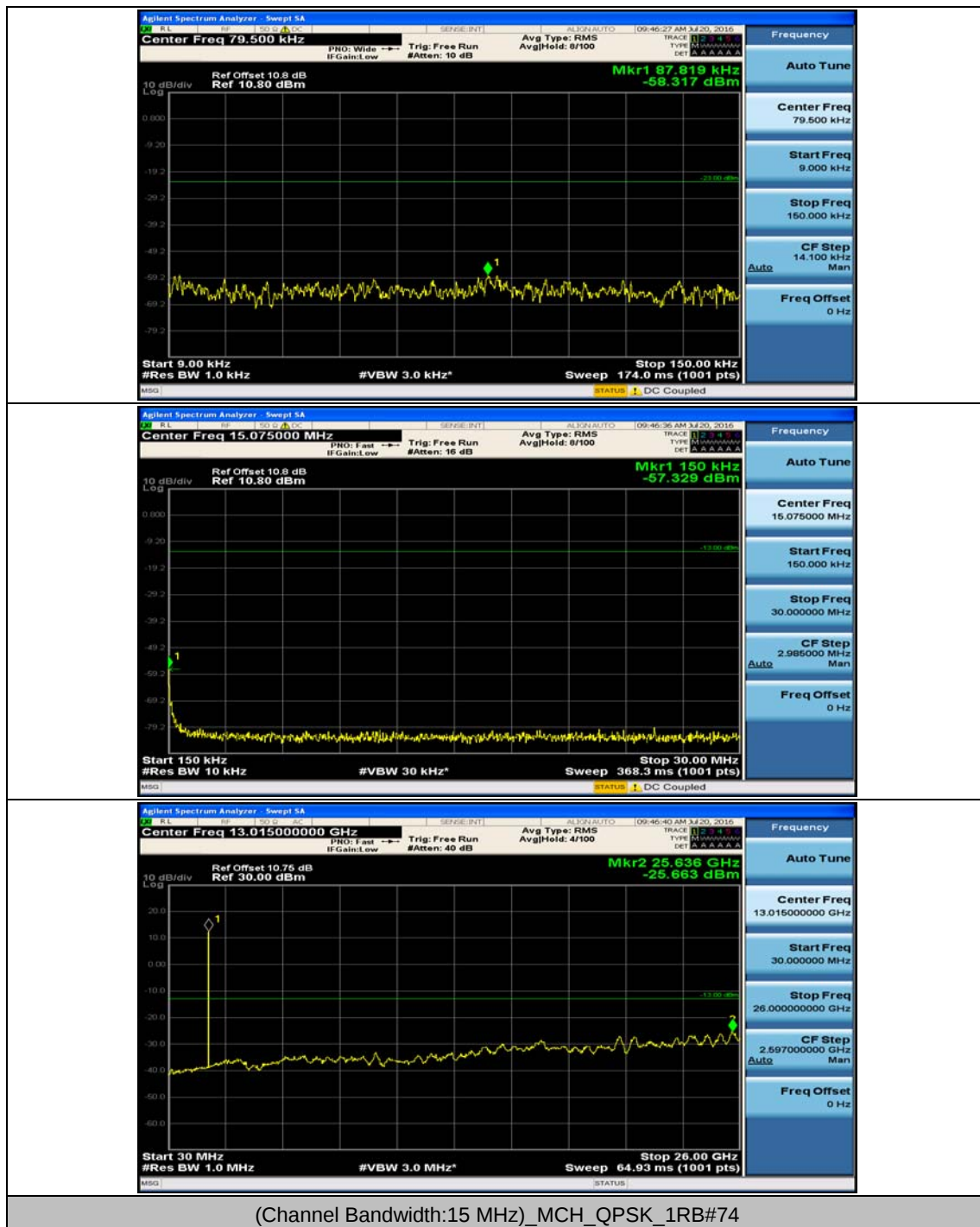


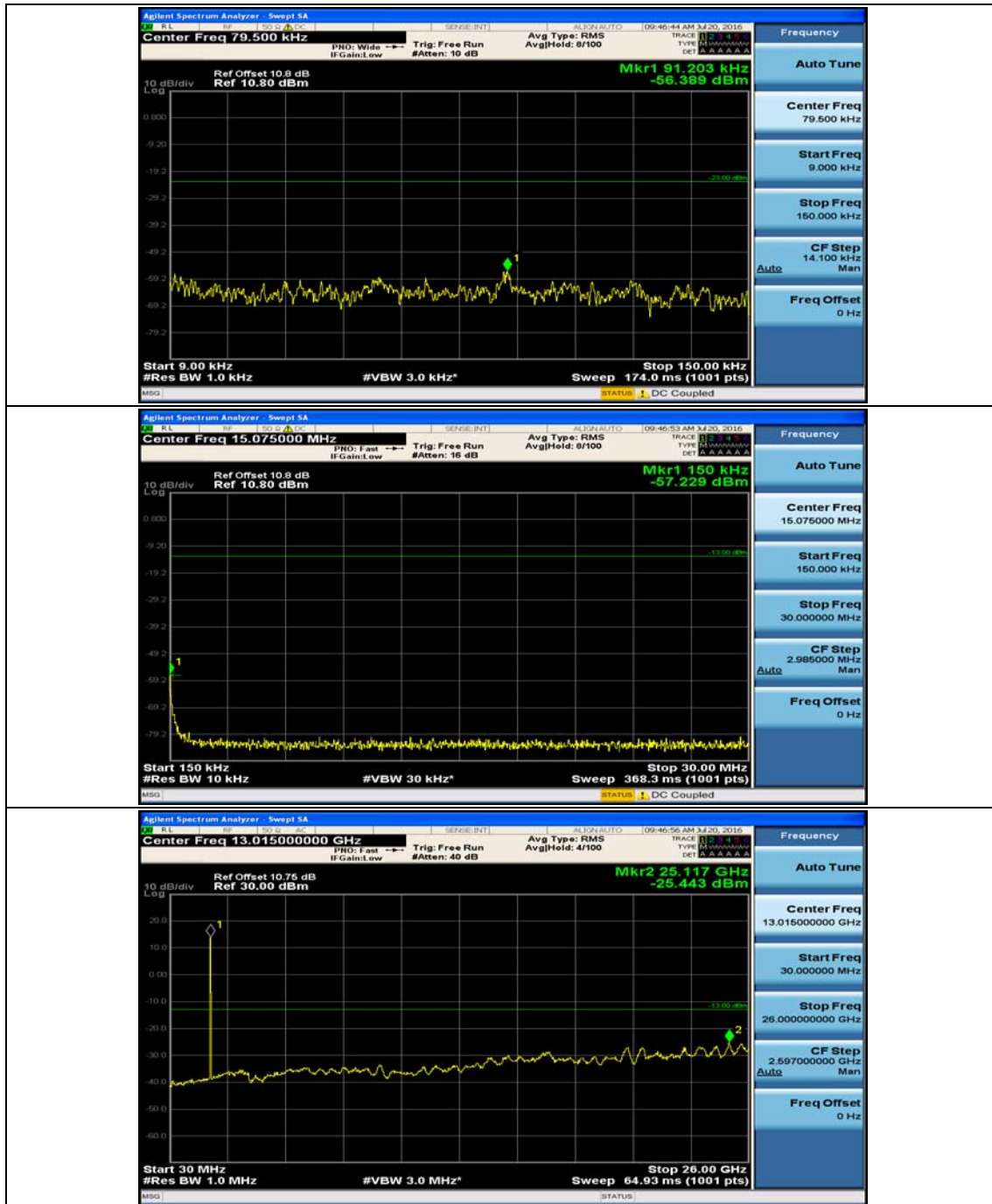


(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#0

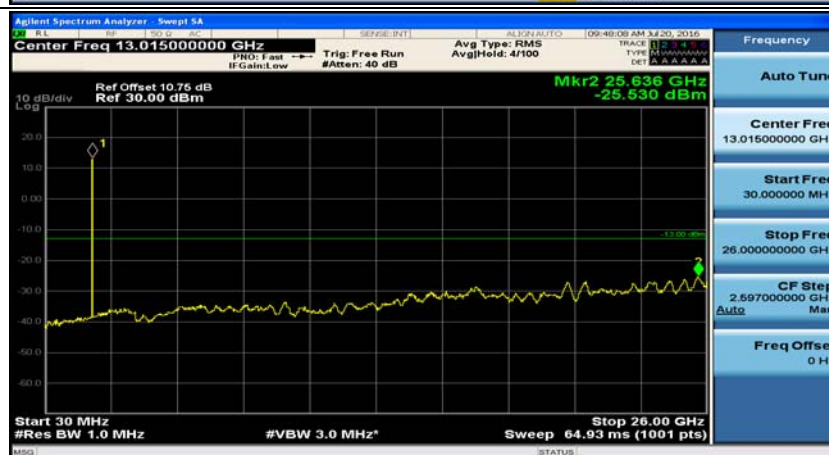
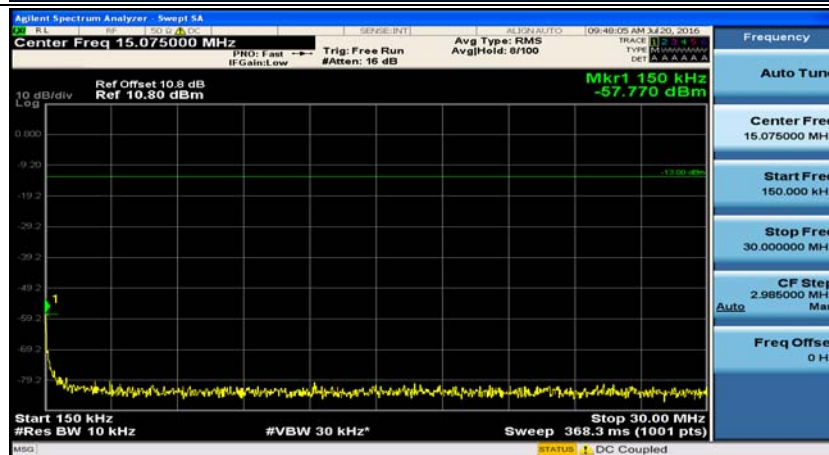
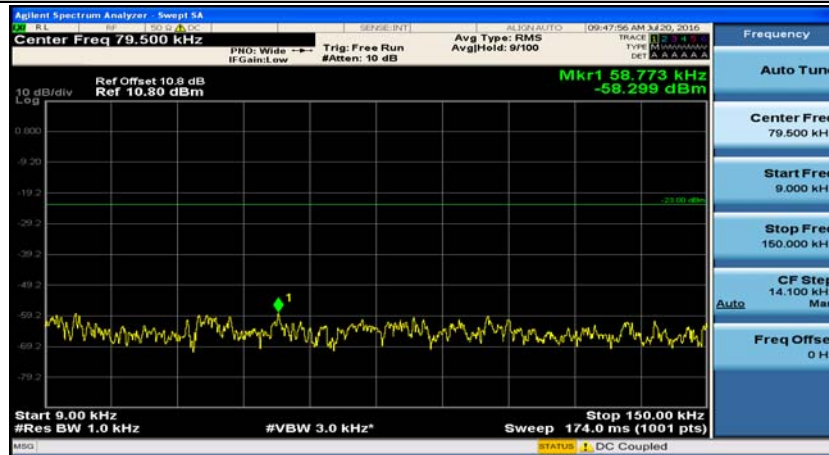


(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#37

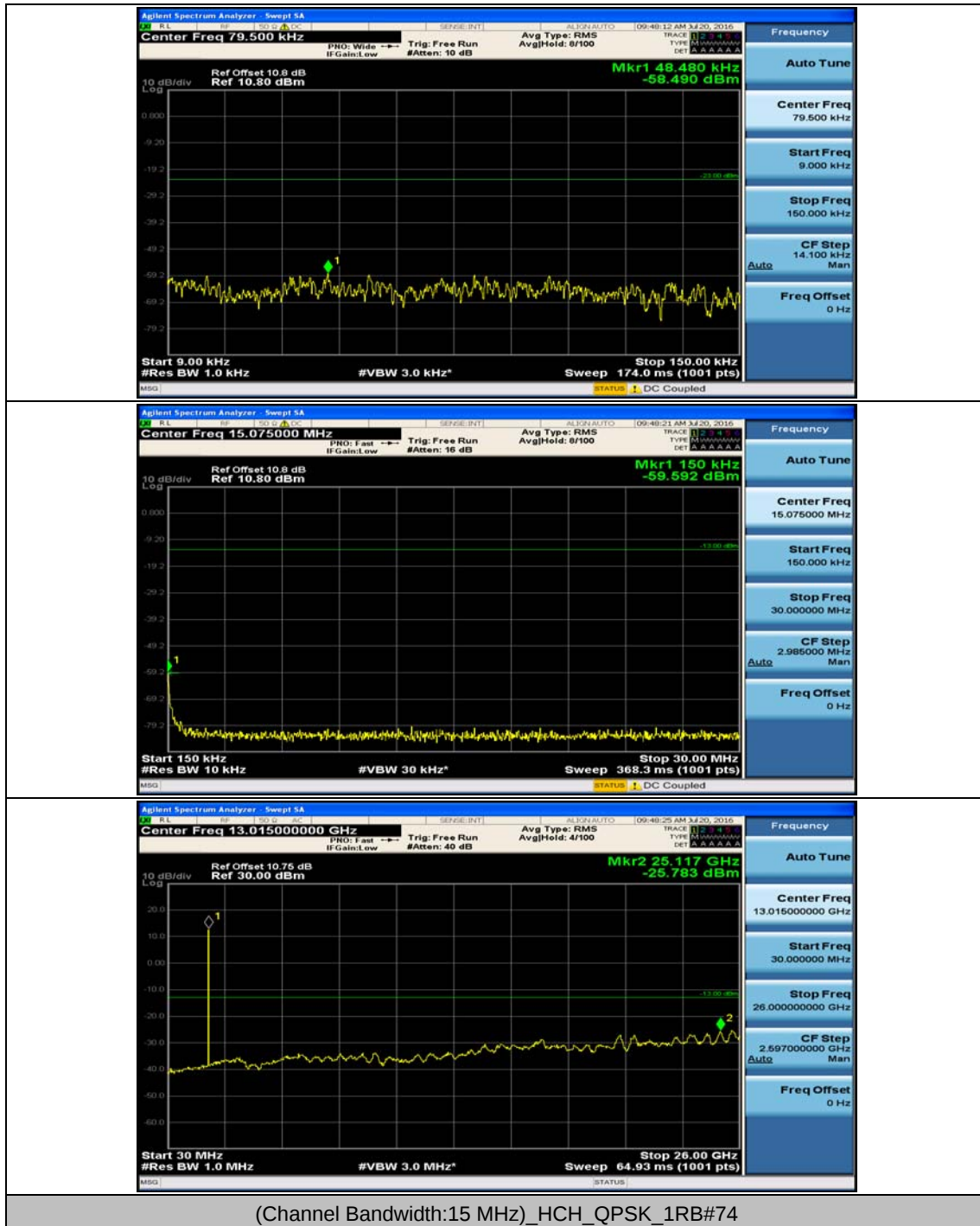


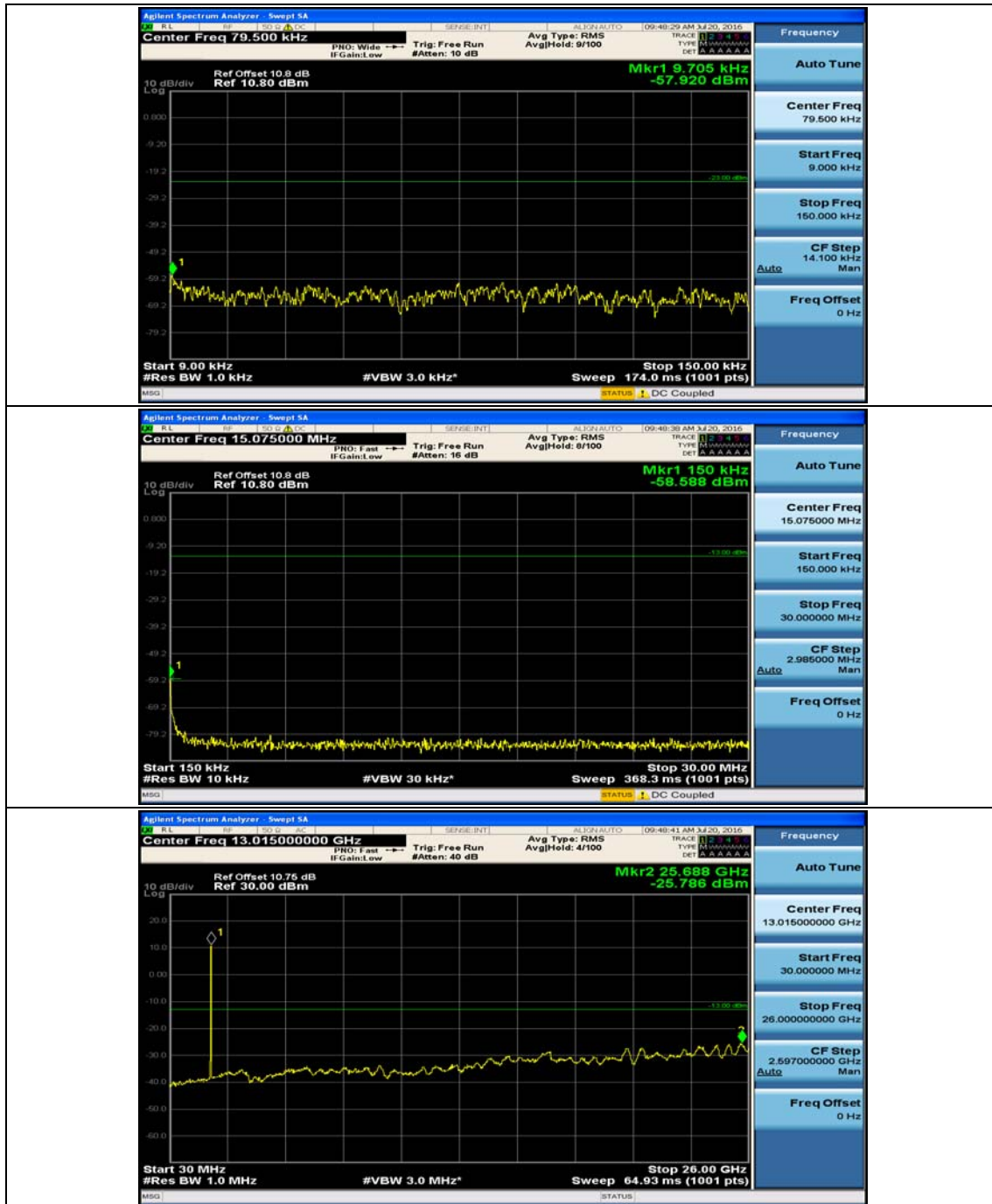


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#0

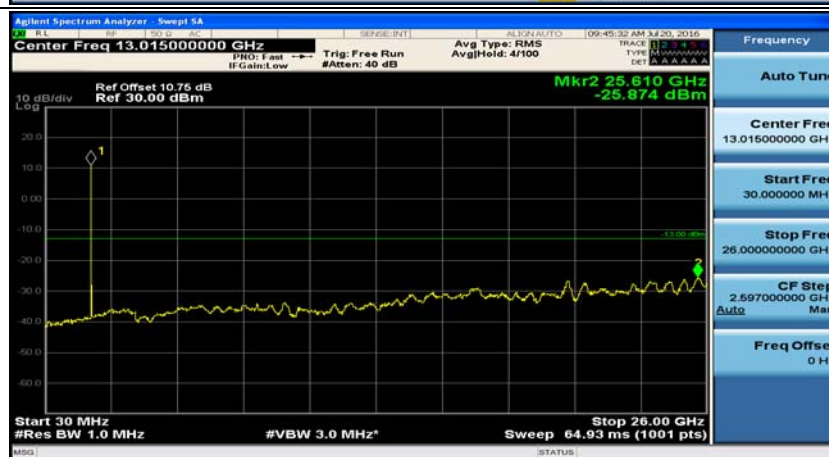
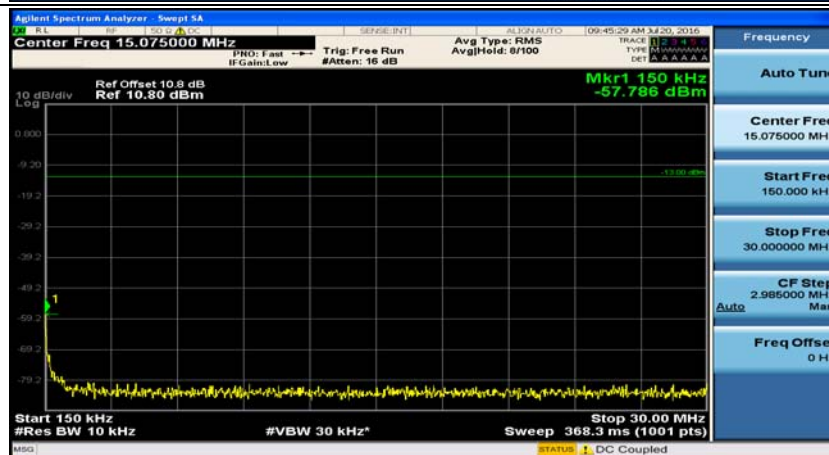
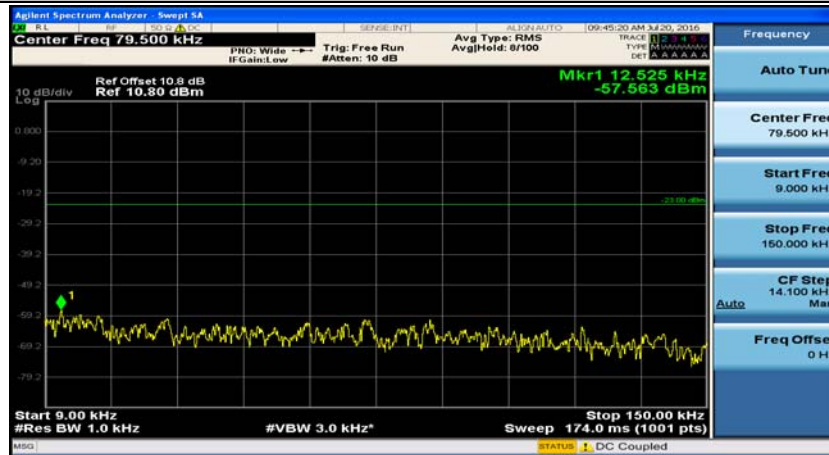


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#37

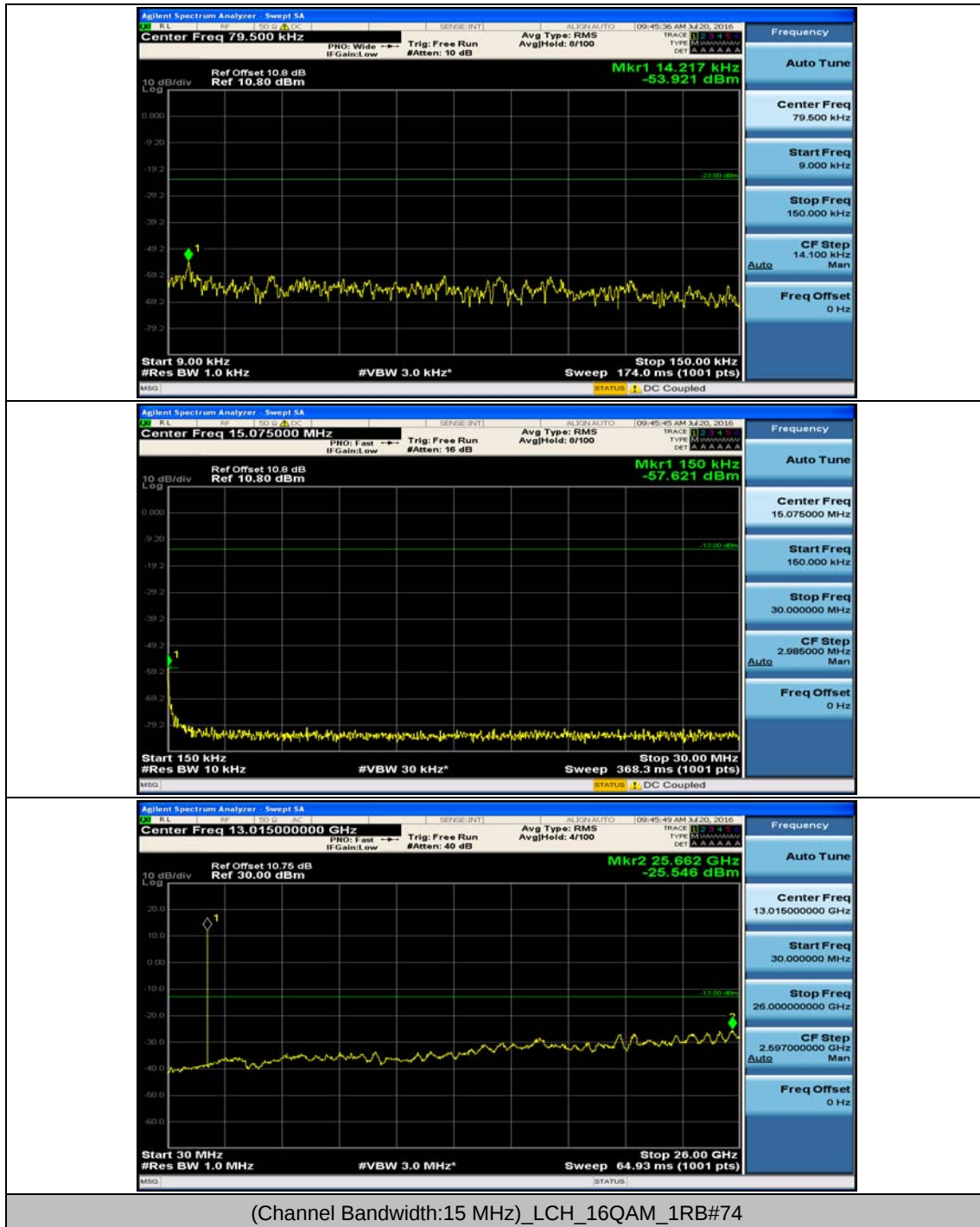


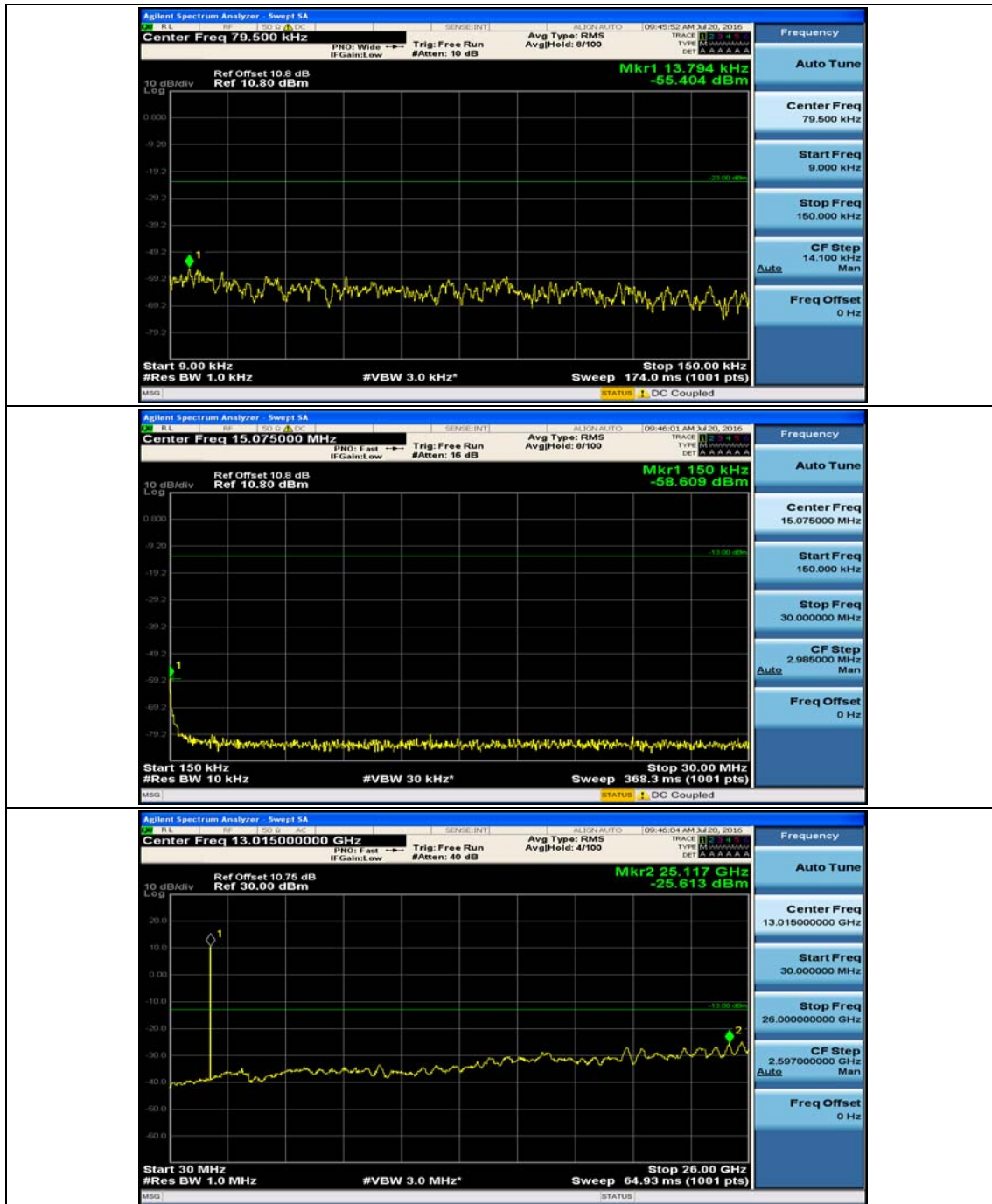


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0

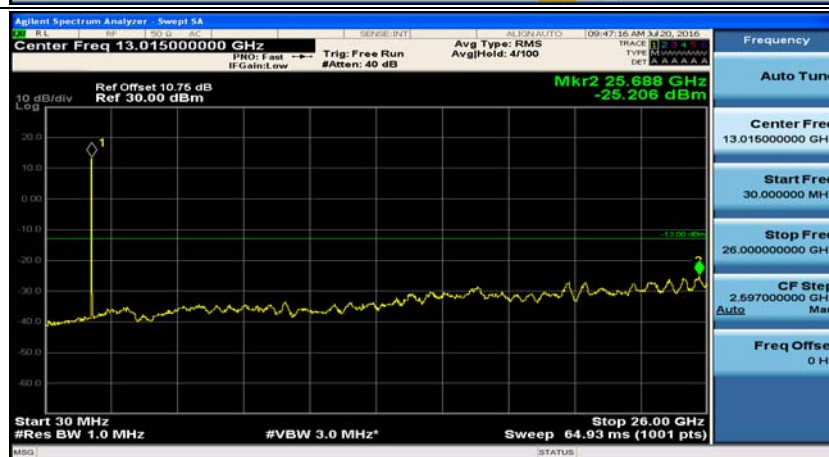
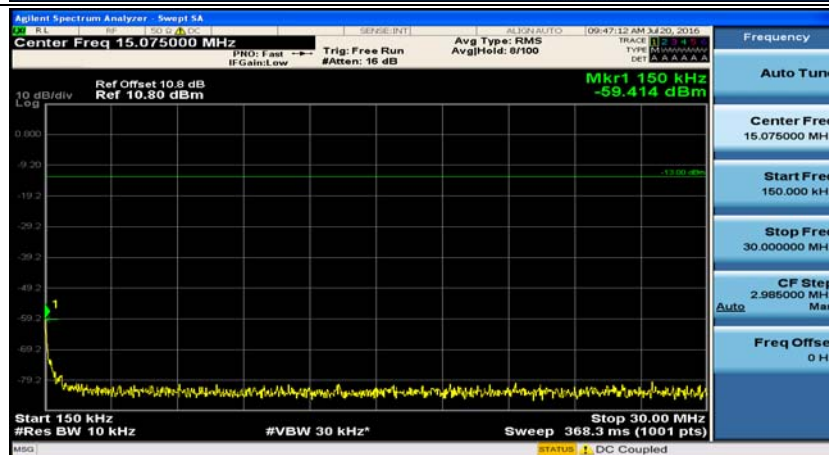


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37

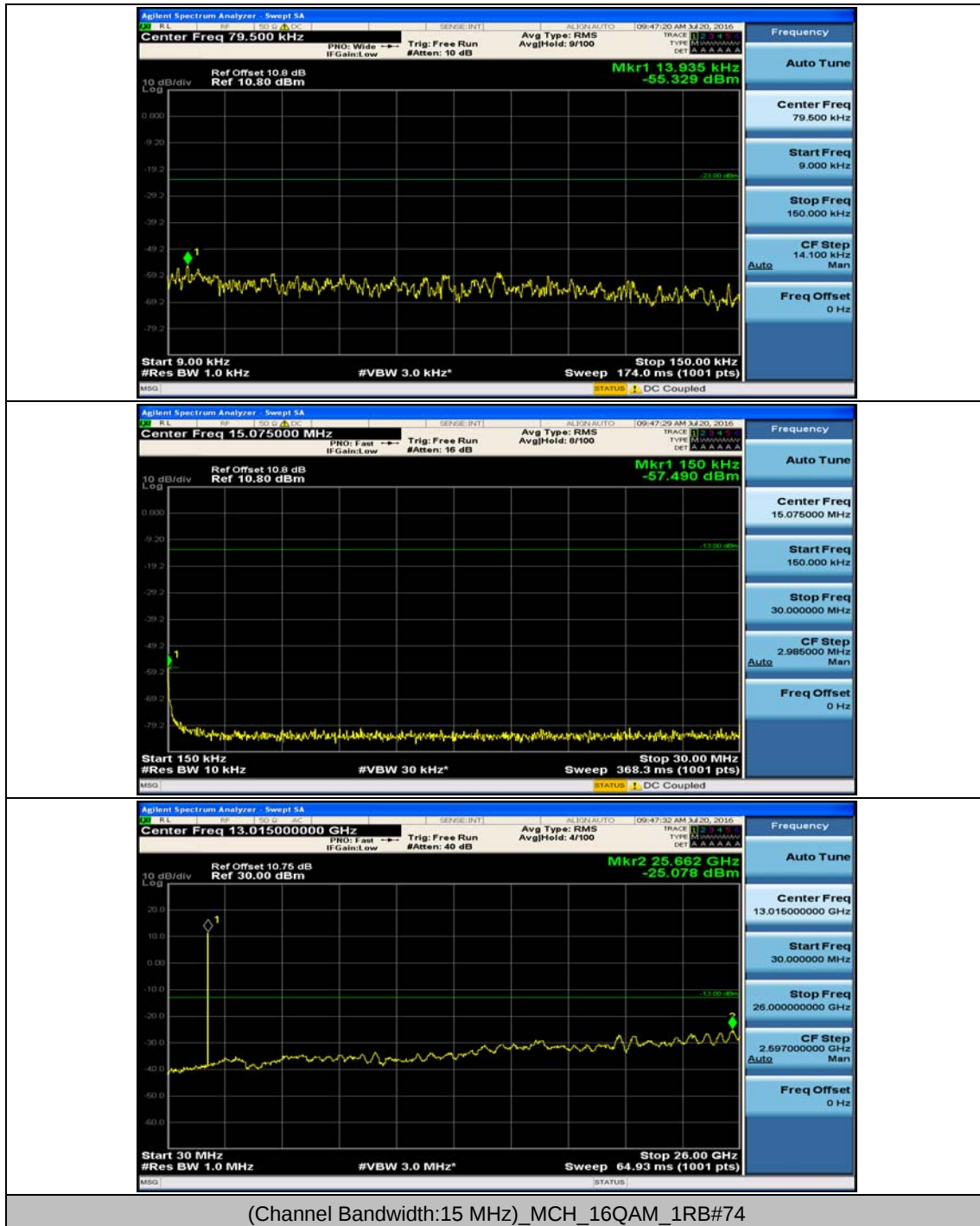


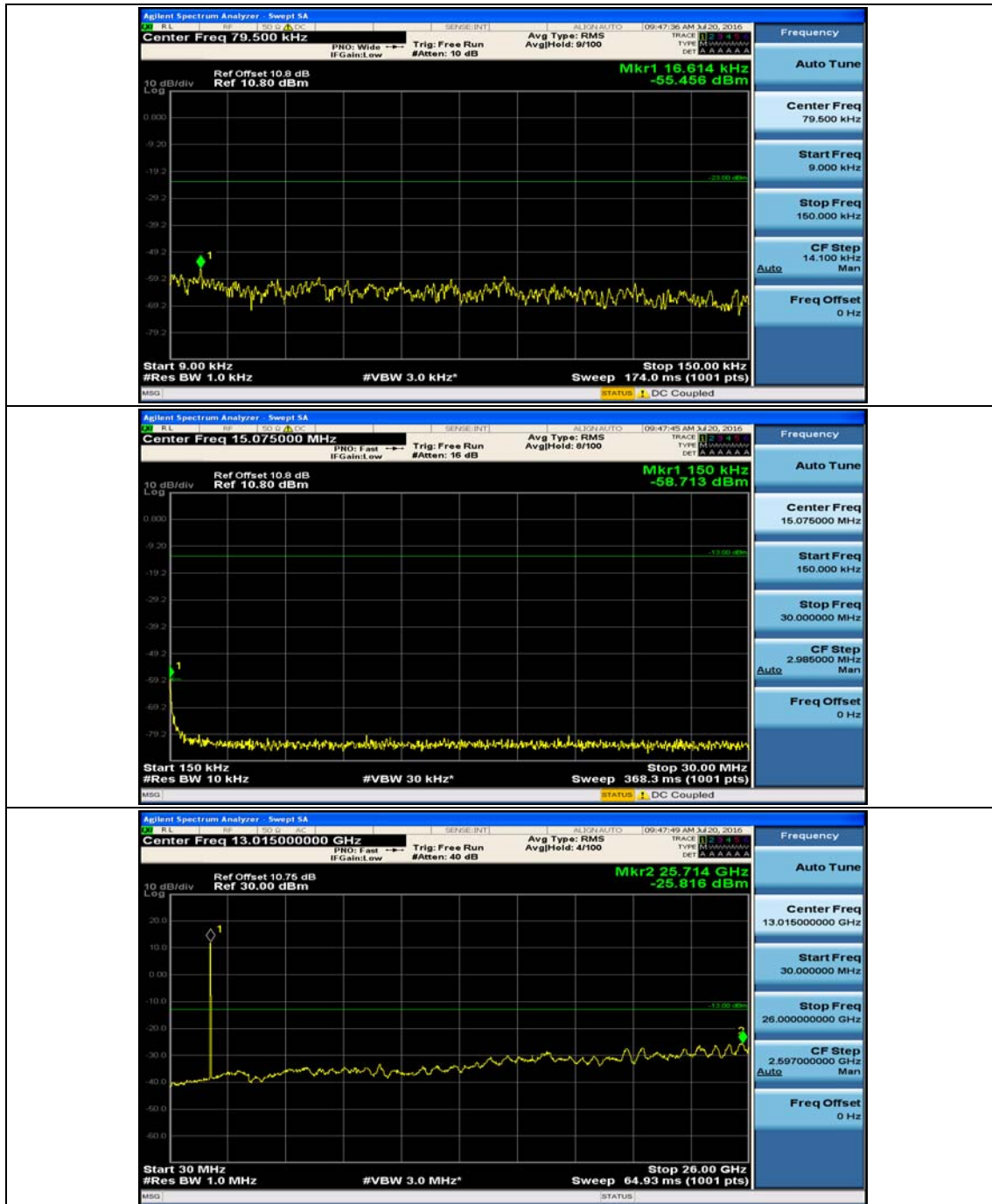


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0

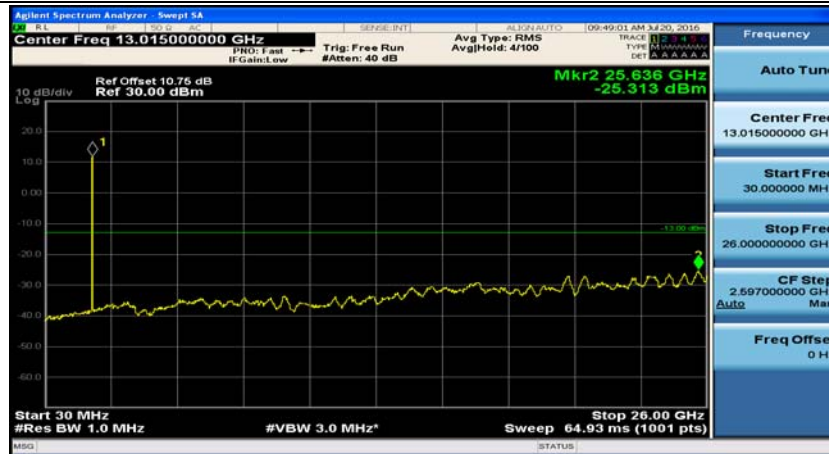
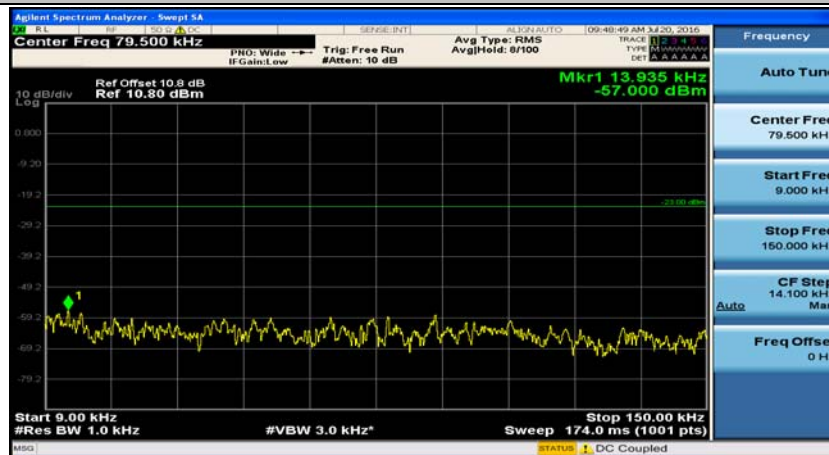


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37

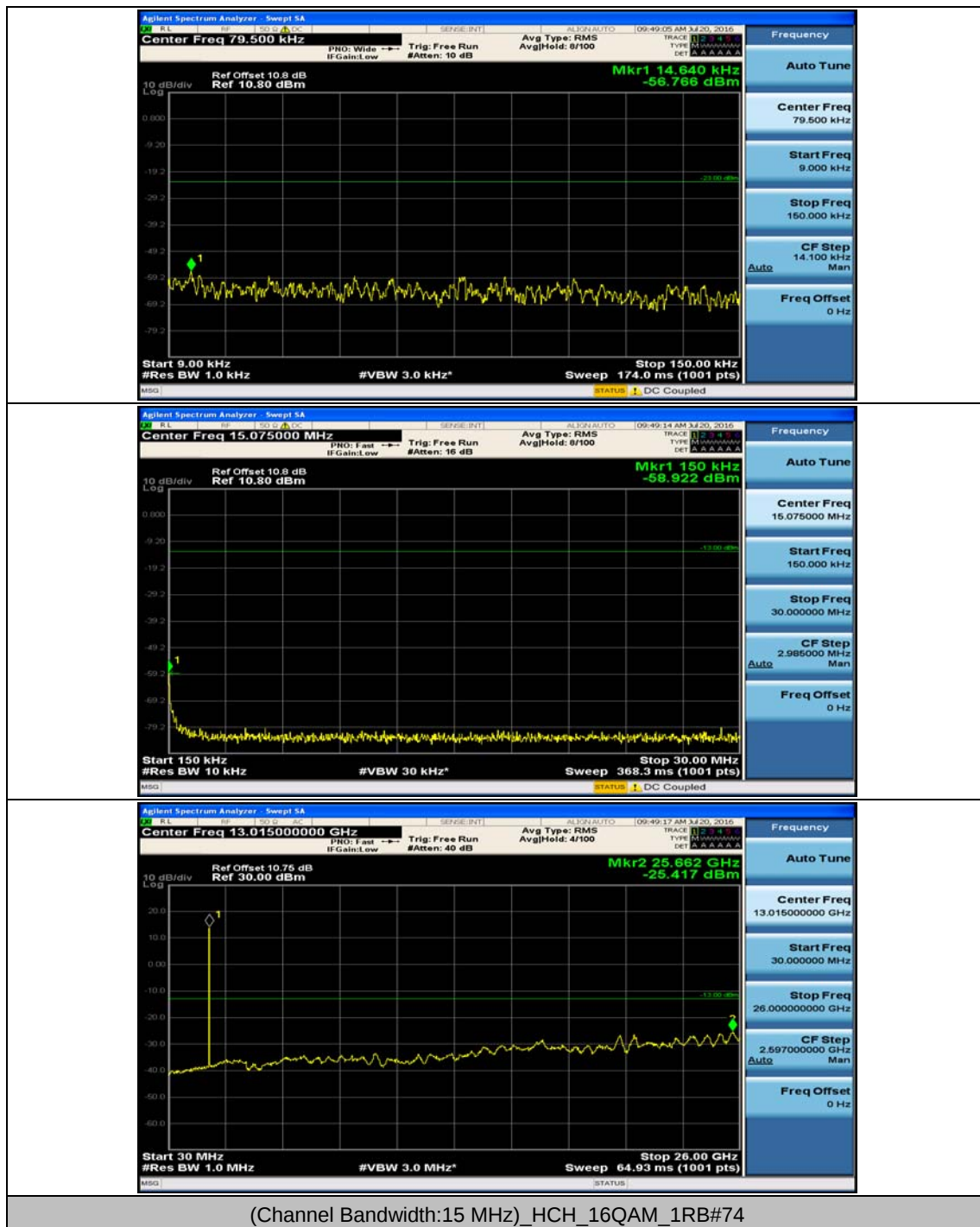


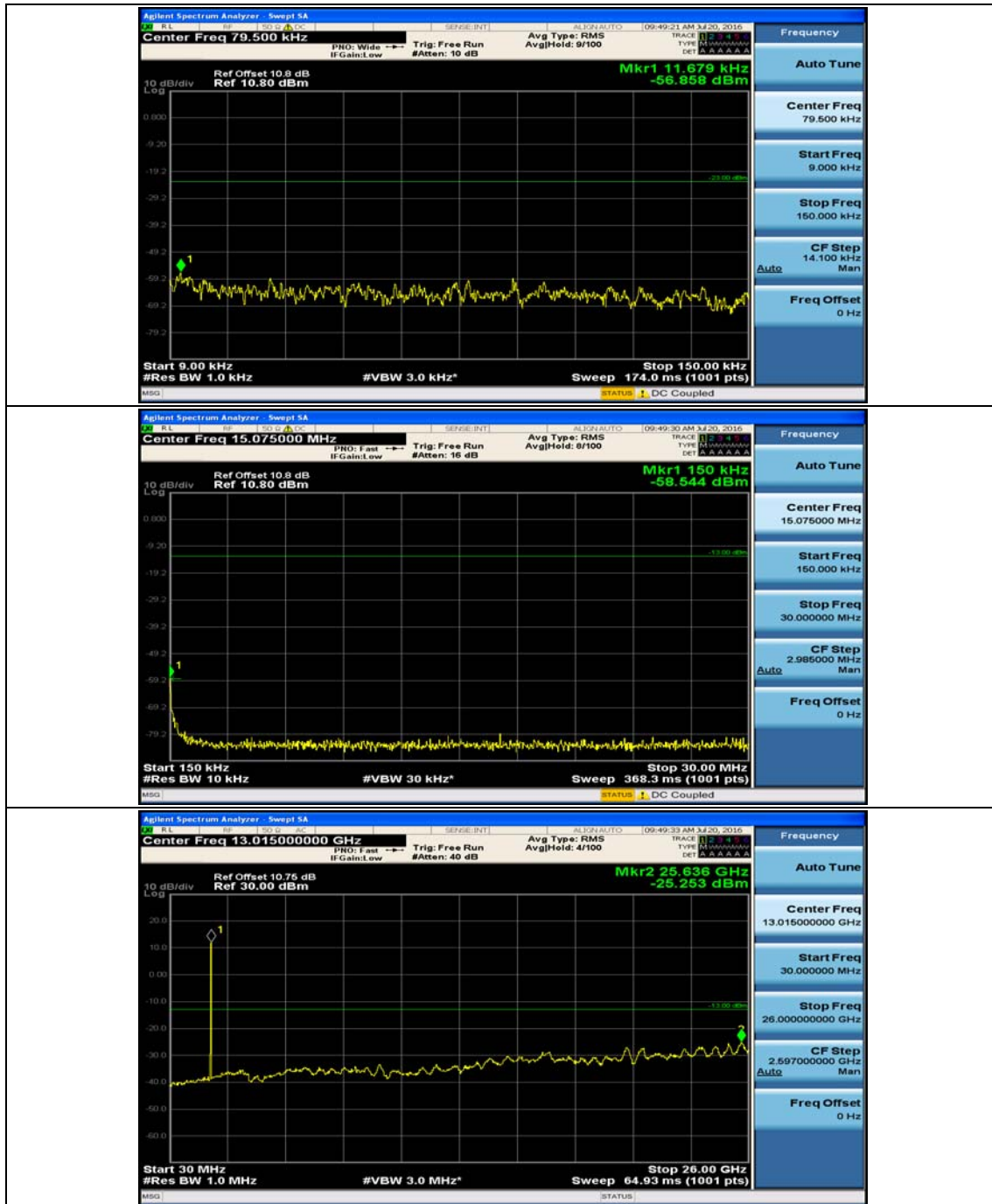


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0

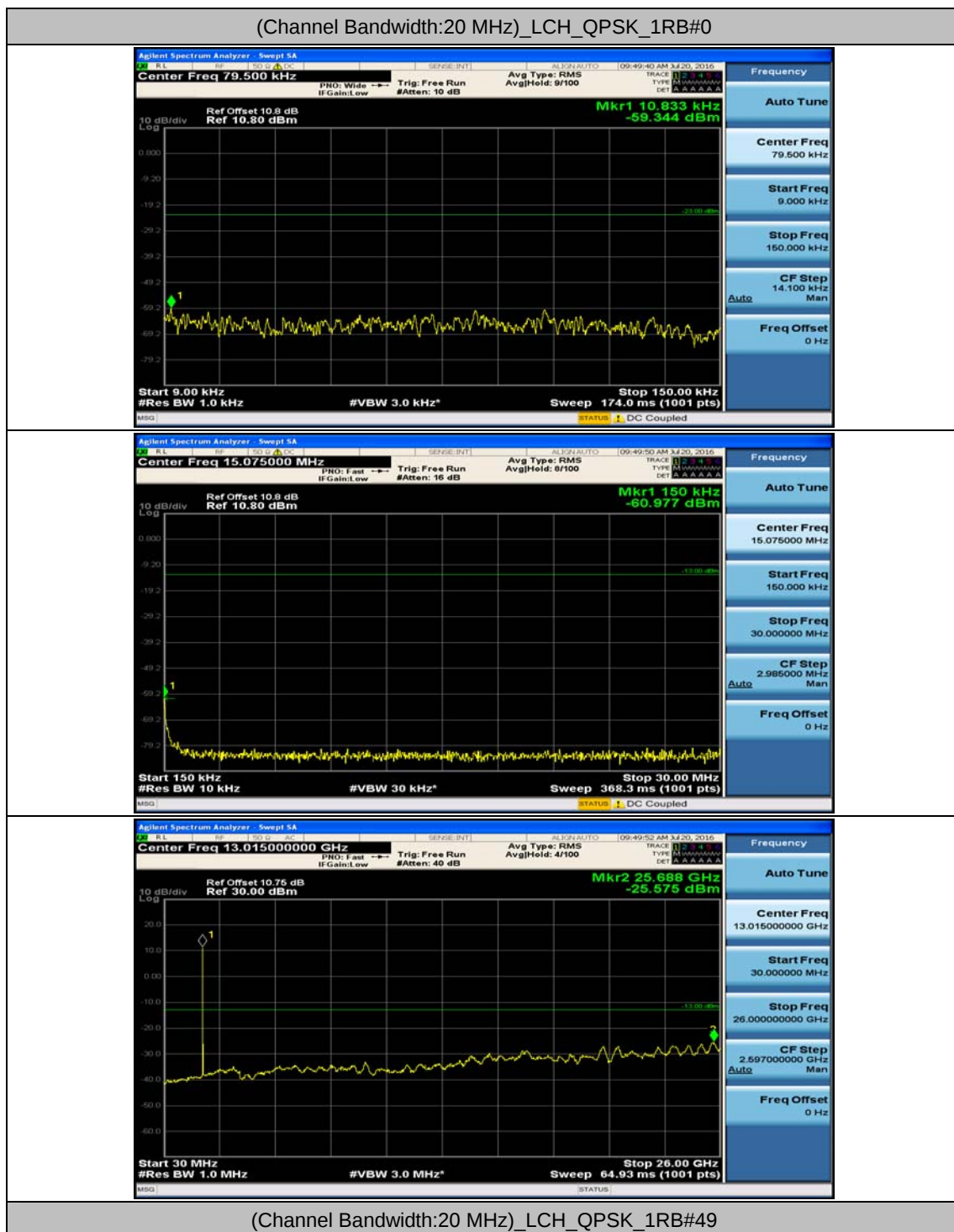


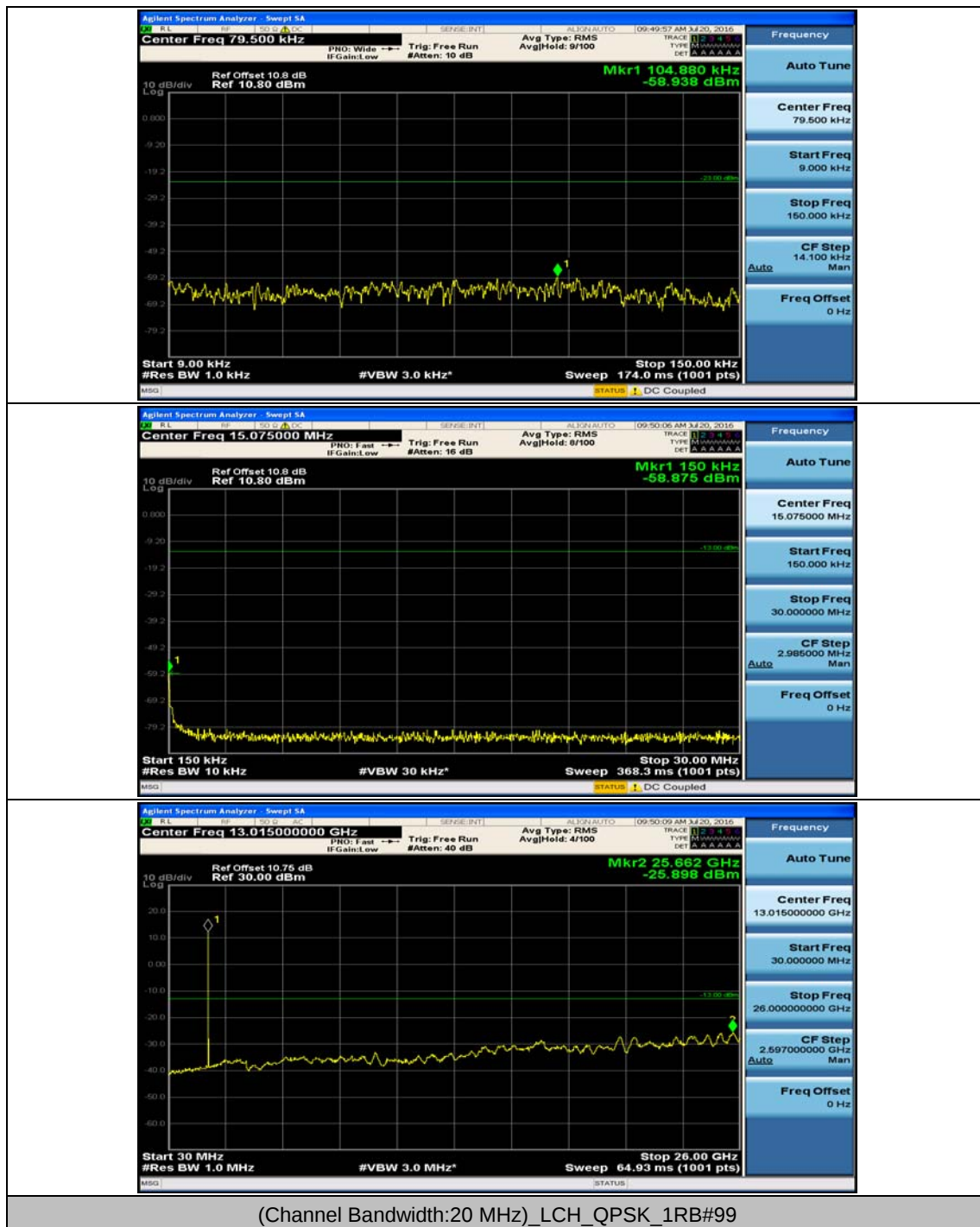
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37

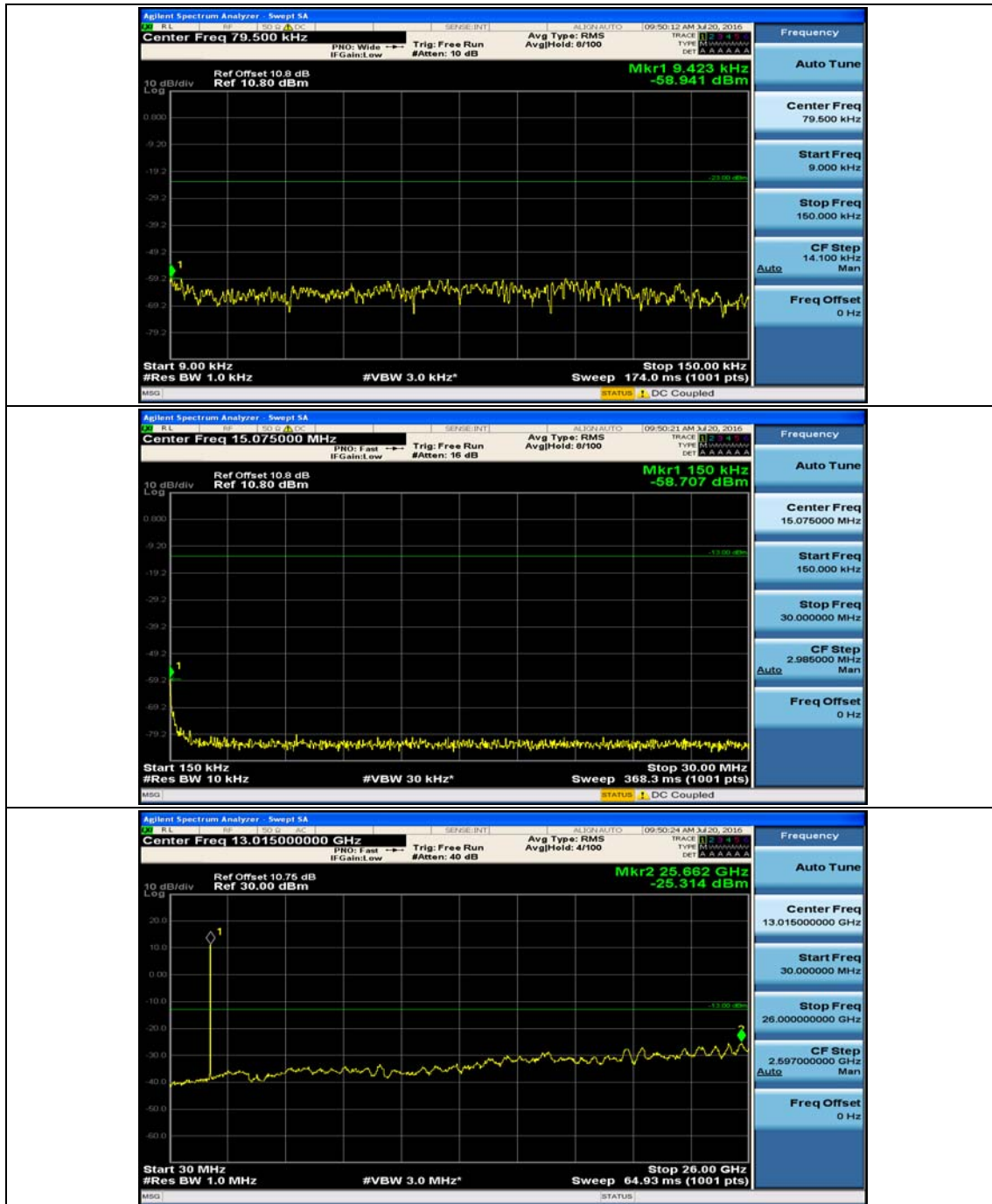




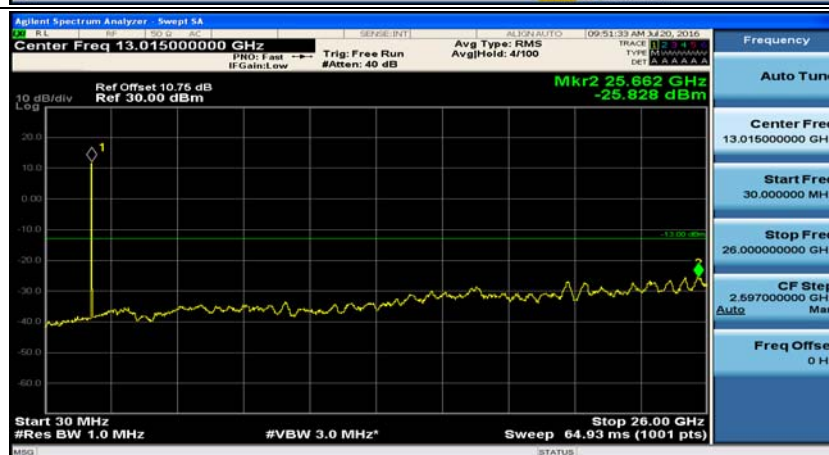
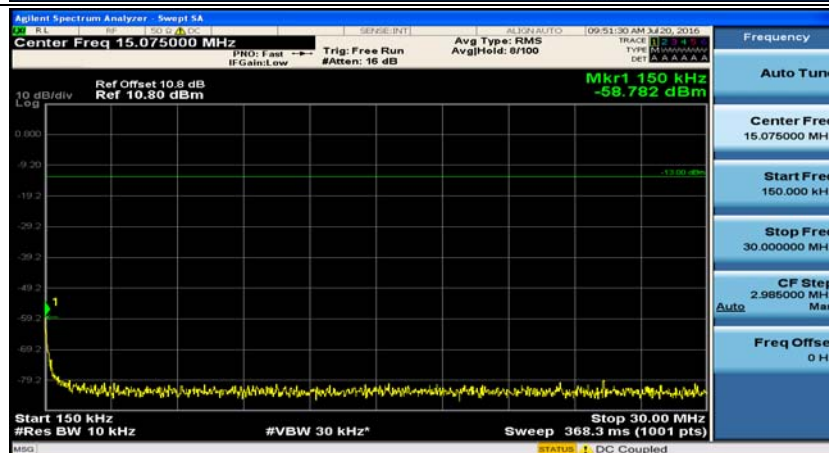
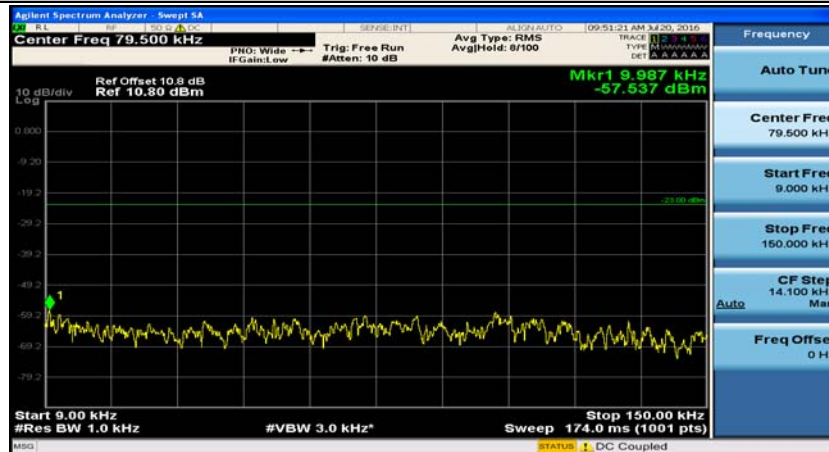
## Channel Bandwidth: 20 MHz



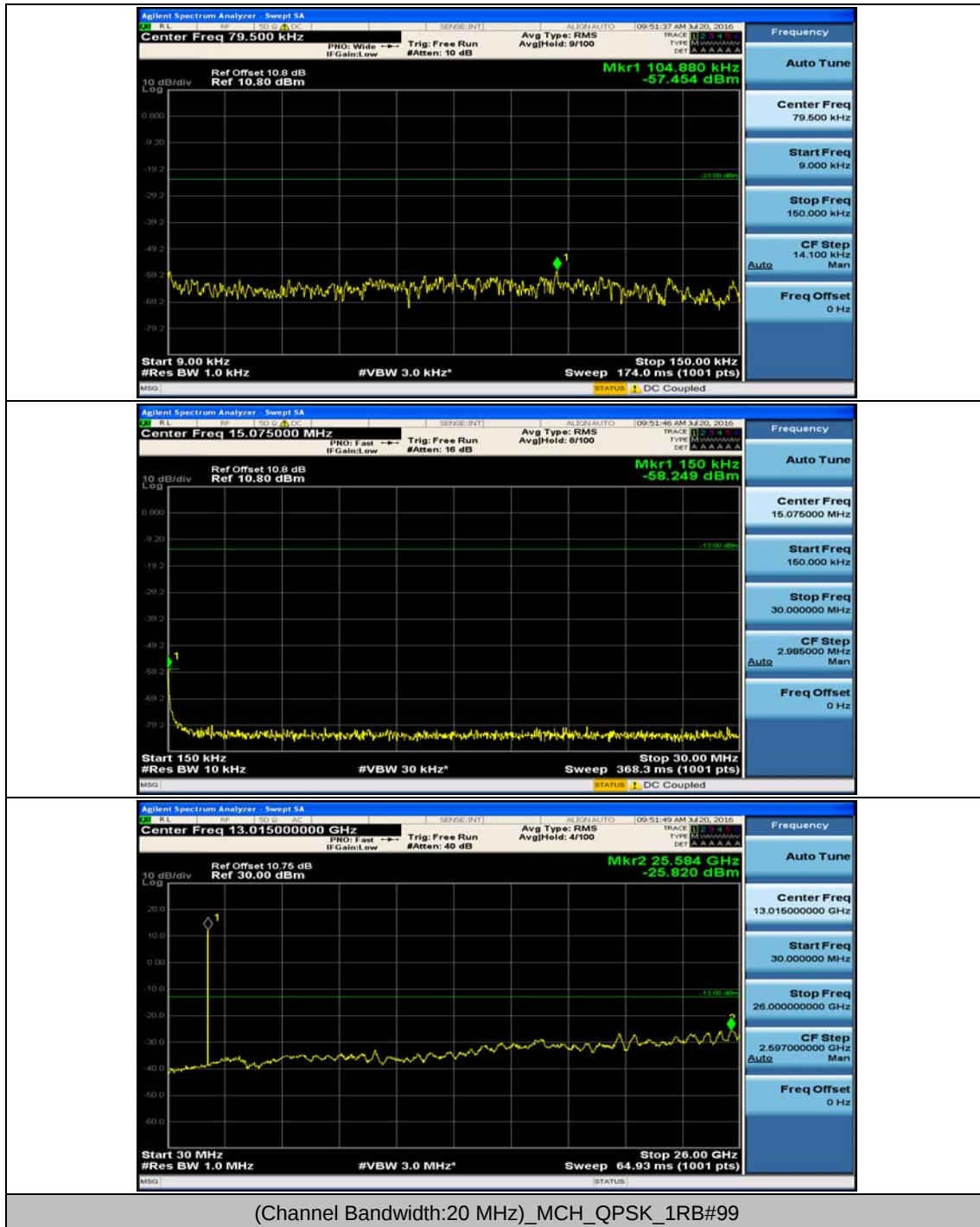


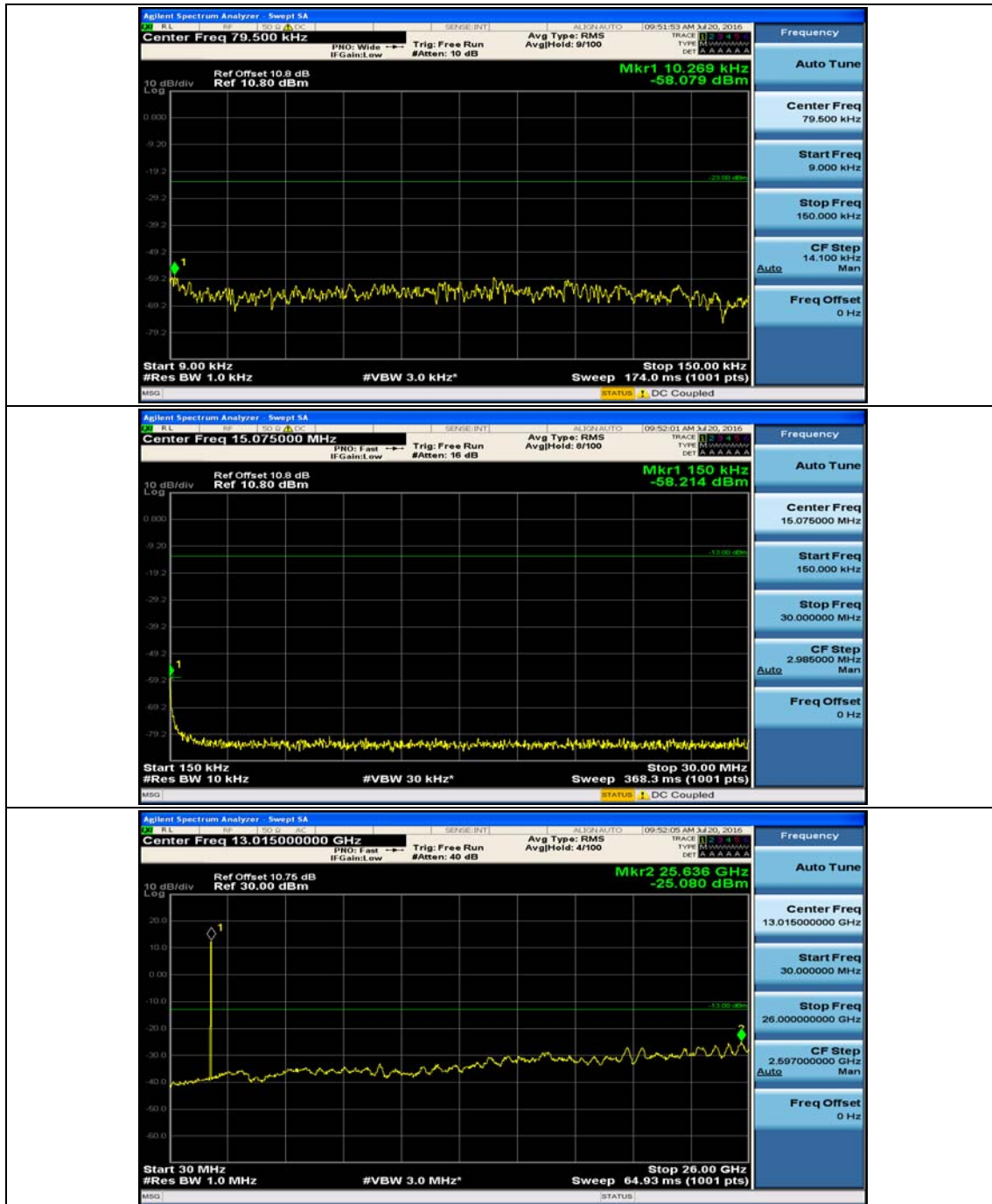


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0

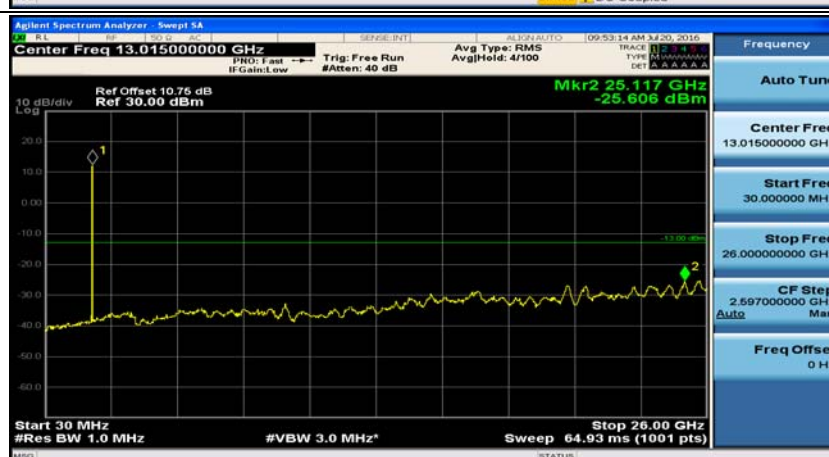
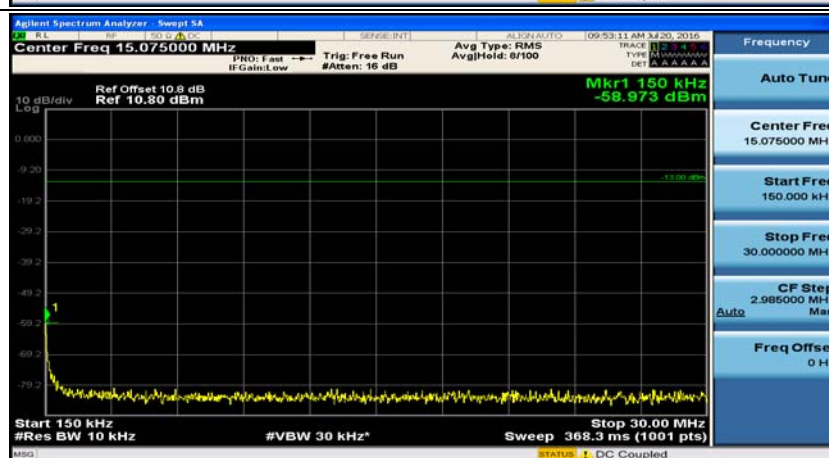
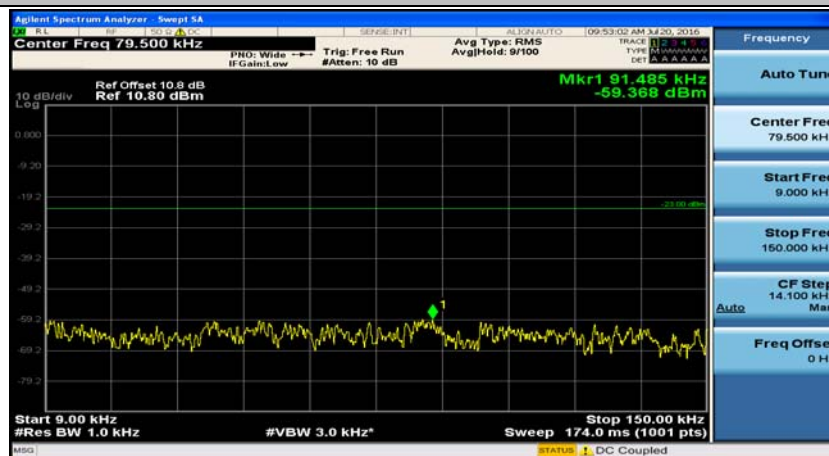


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49

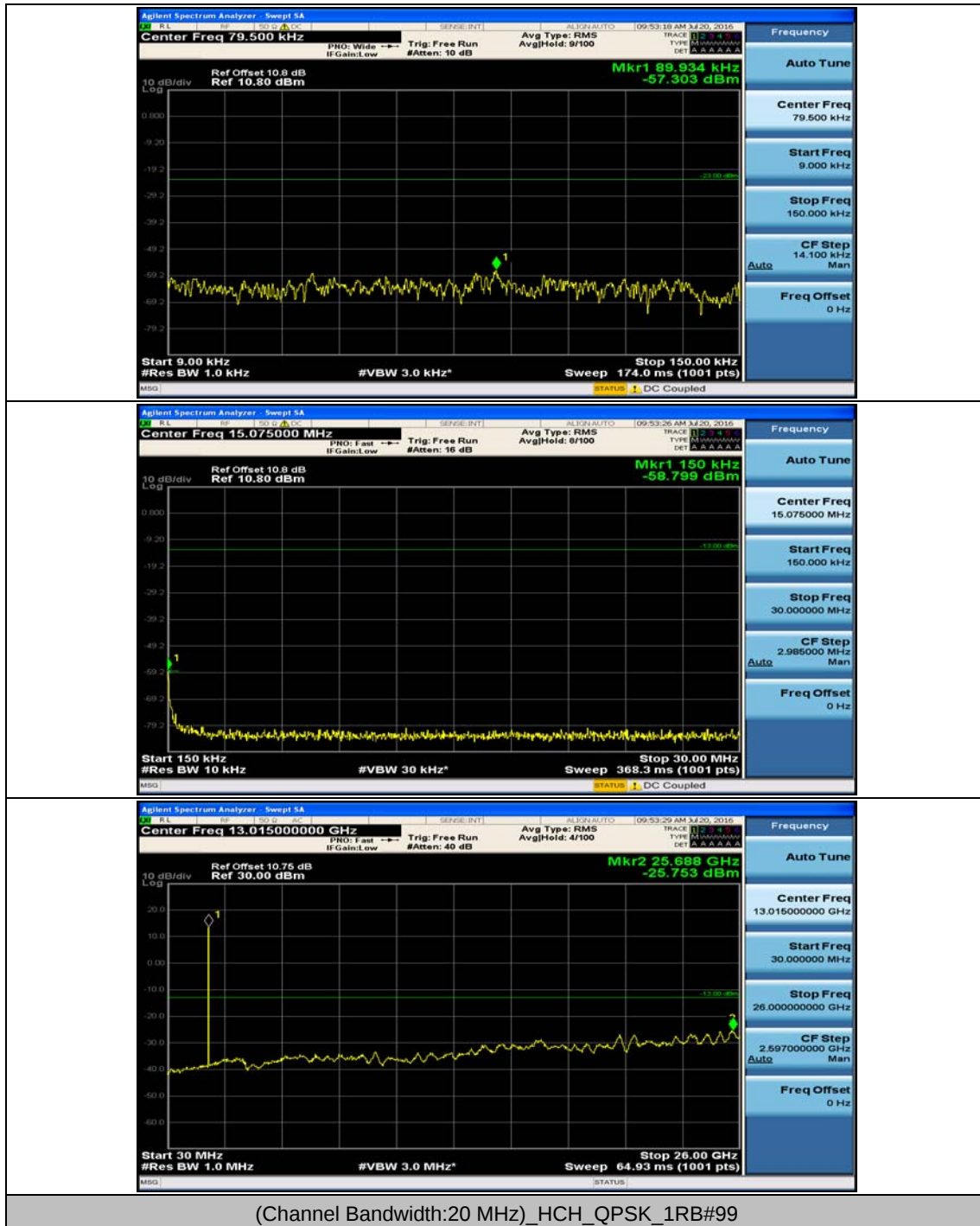


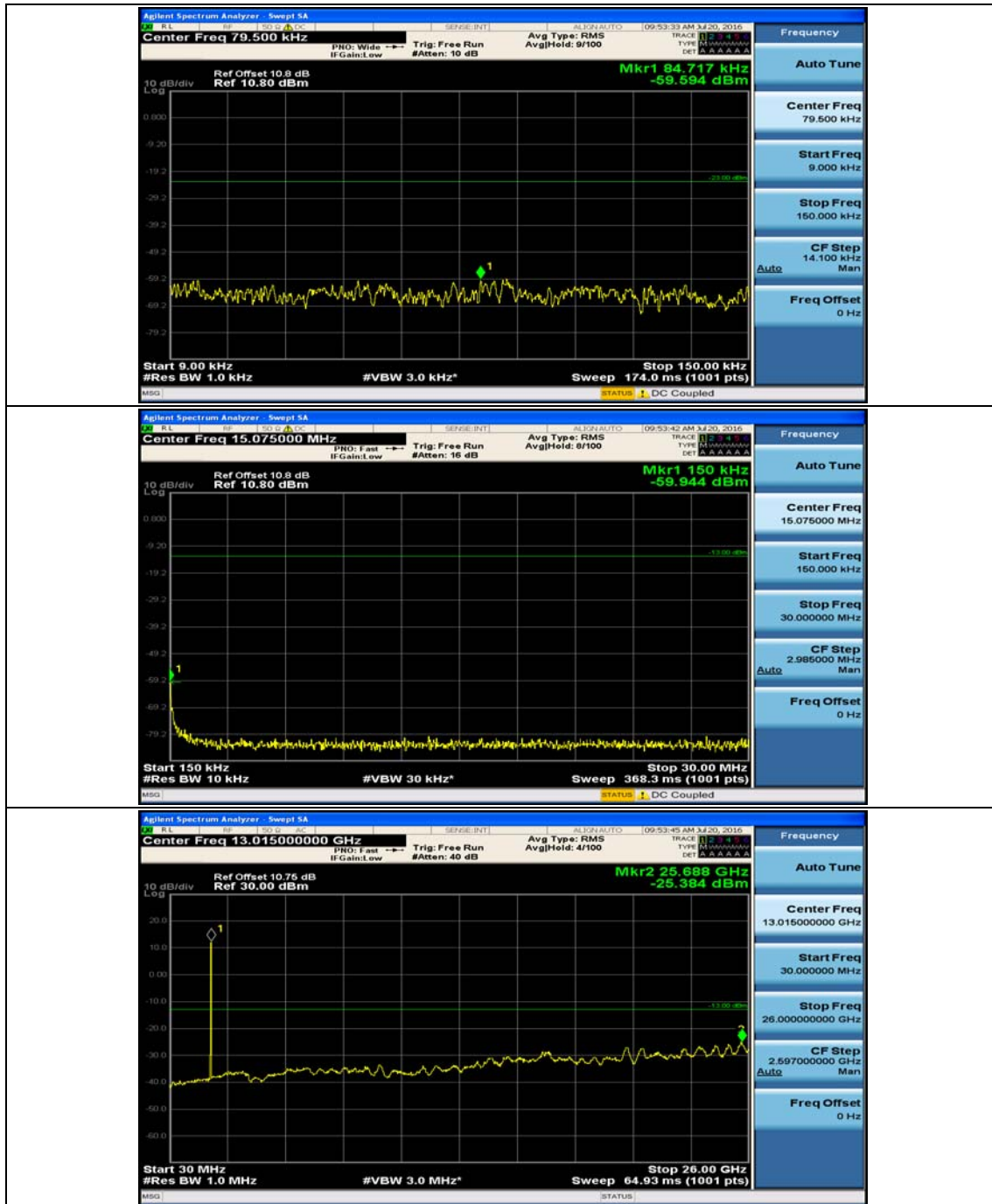


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

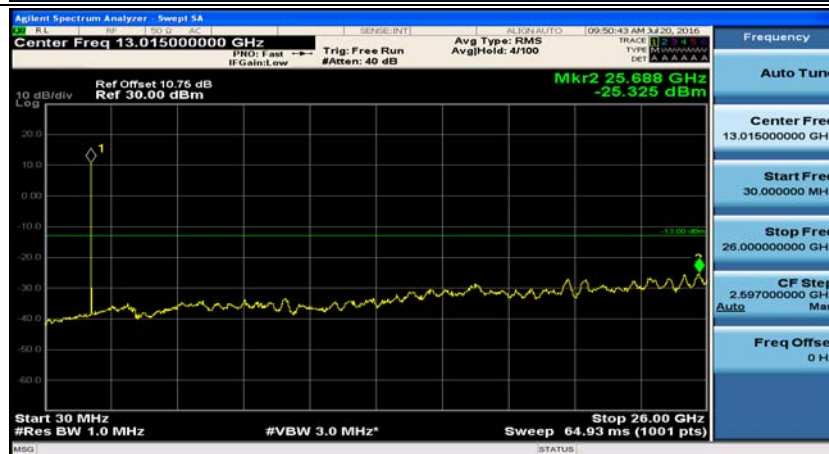
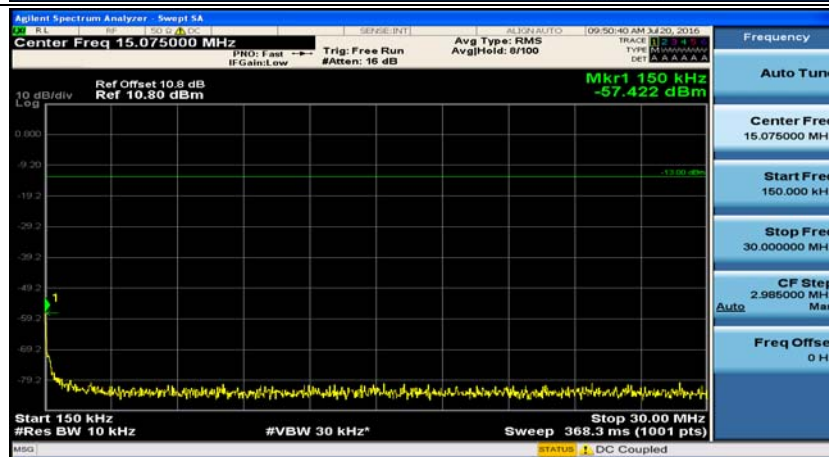


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49

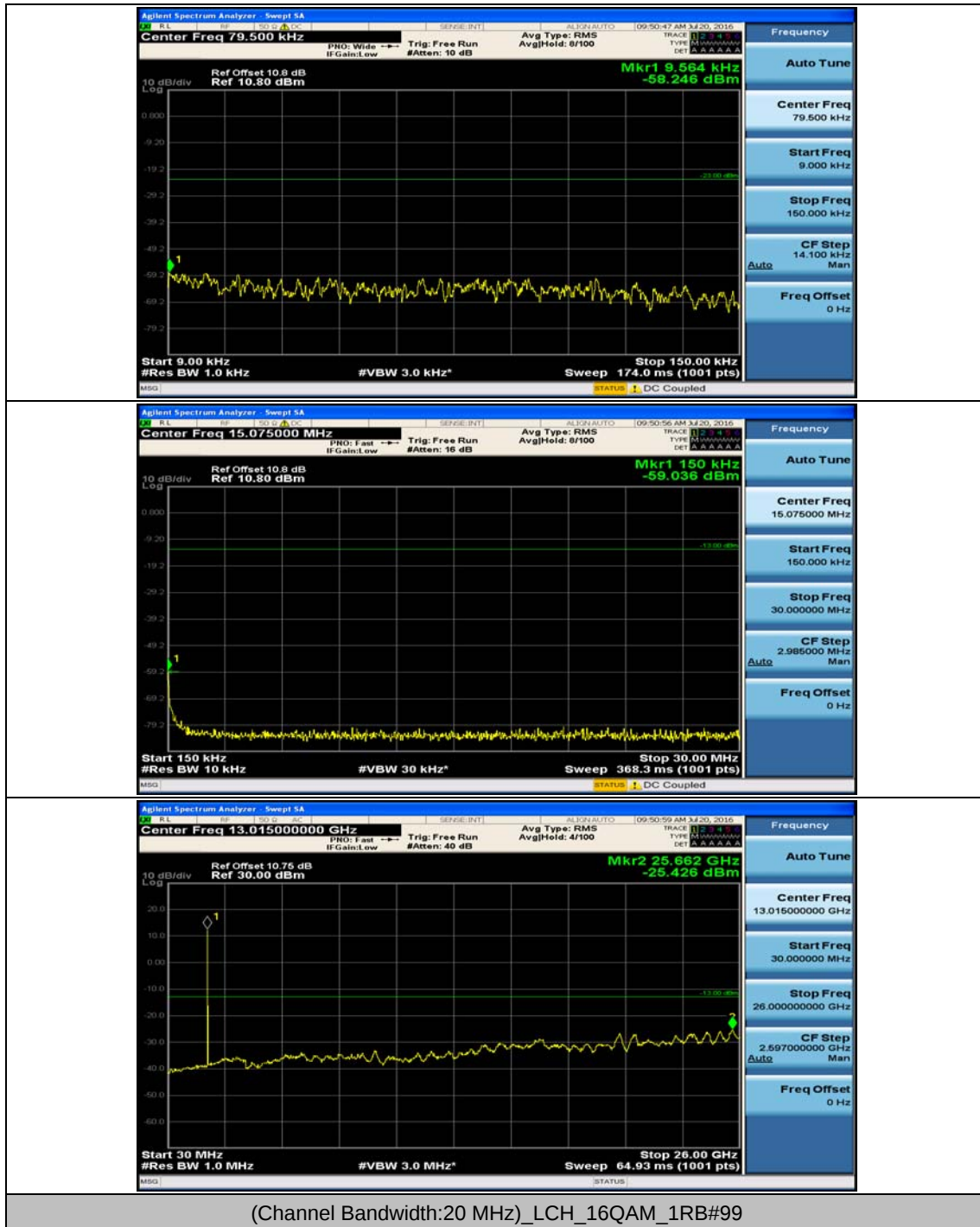


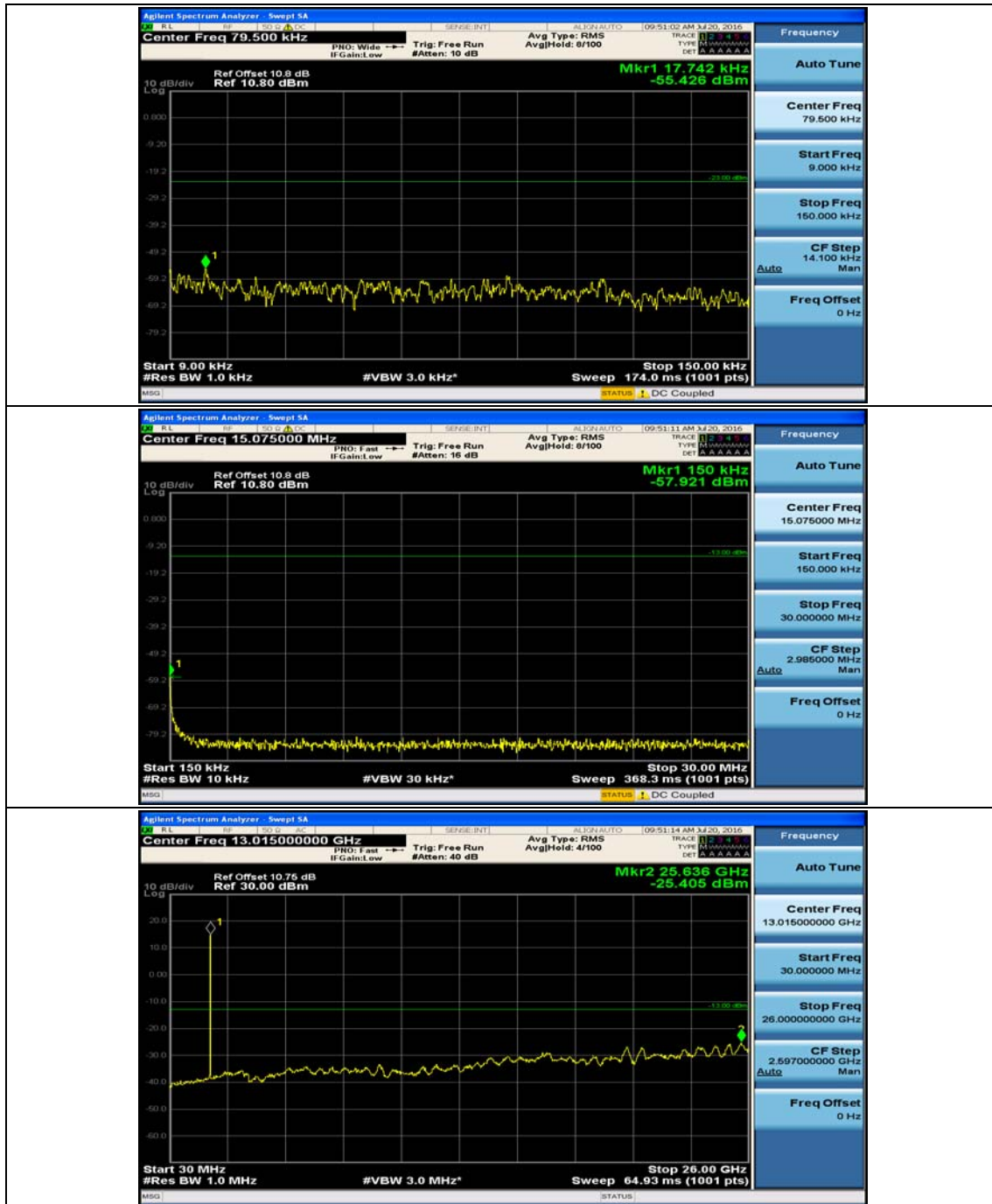


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0

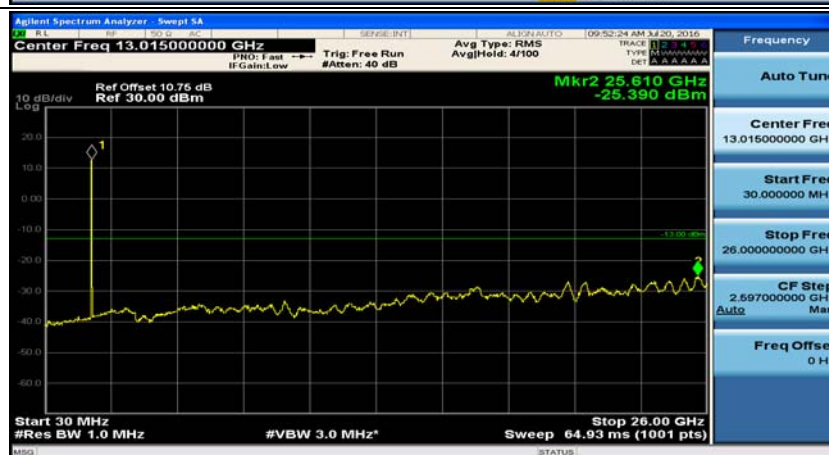
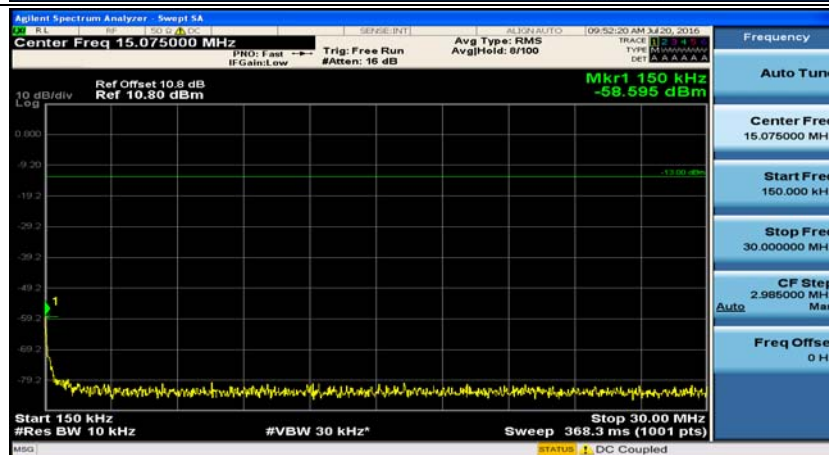
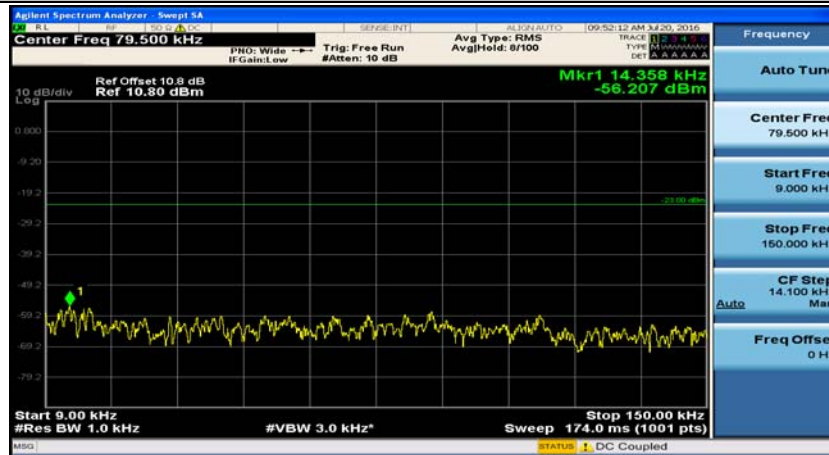


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49

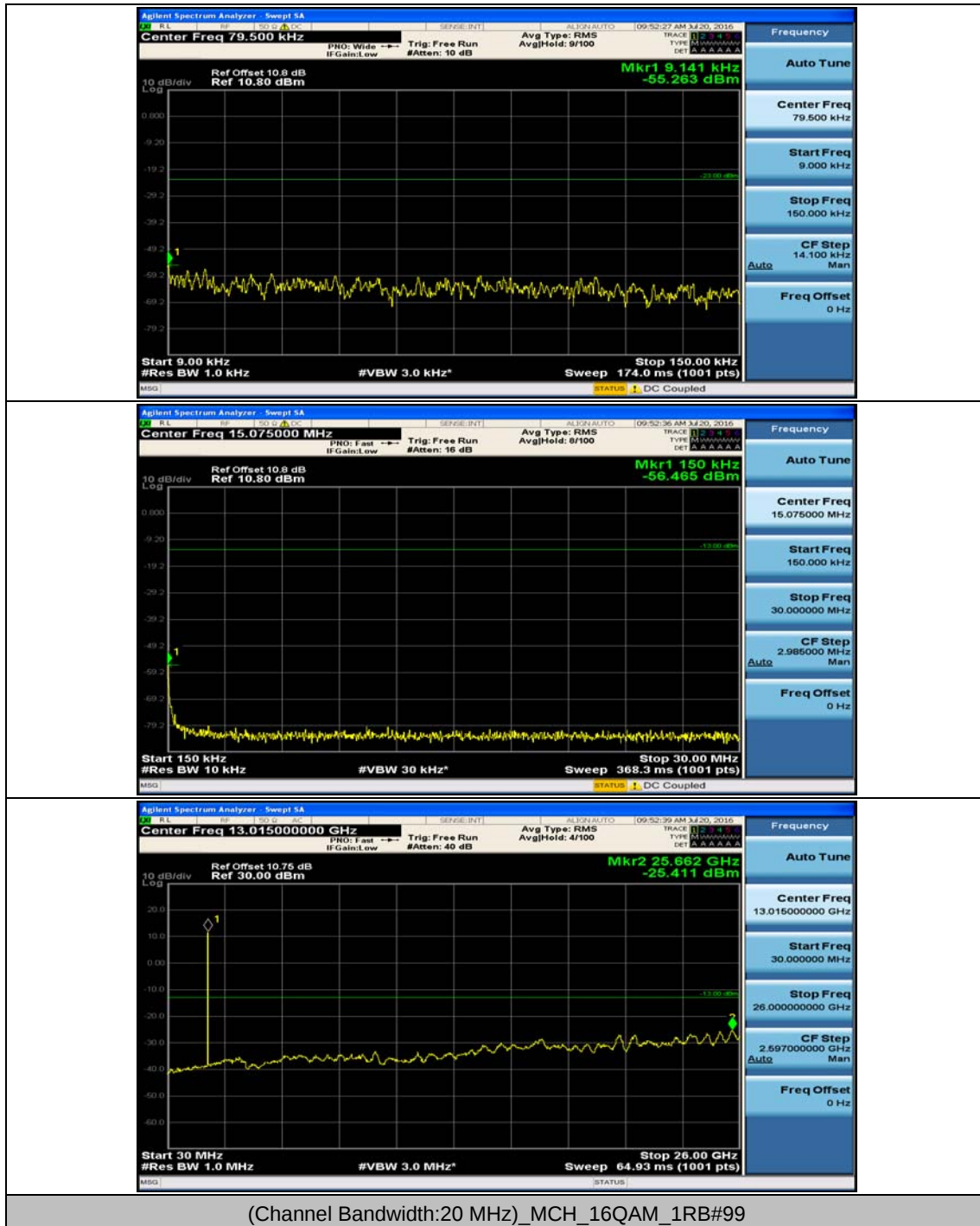


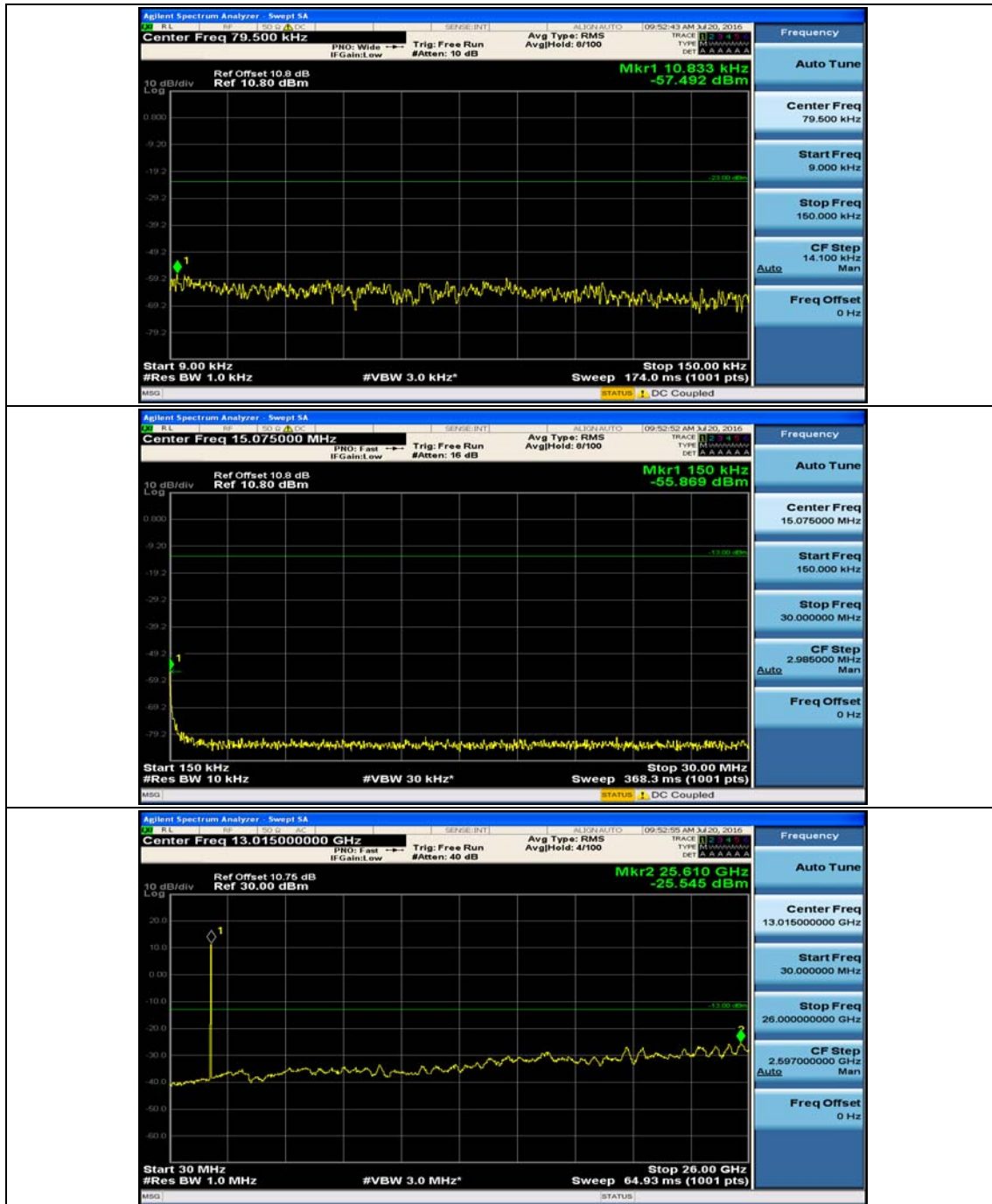


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

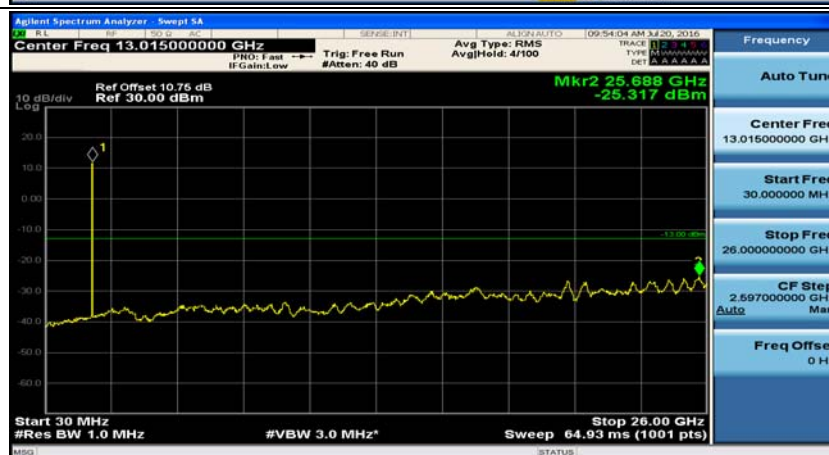
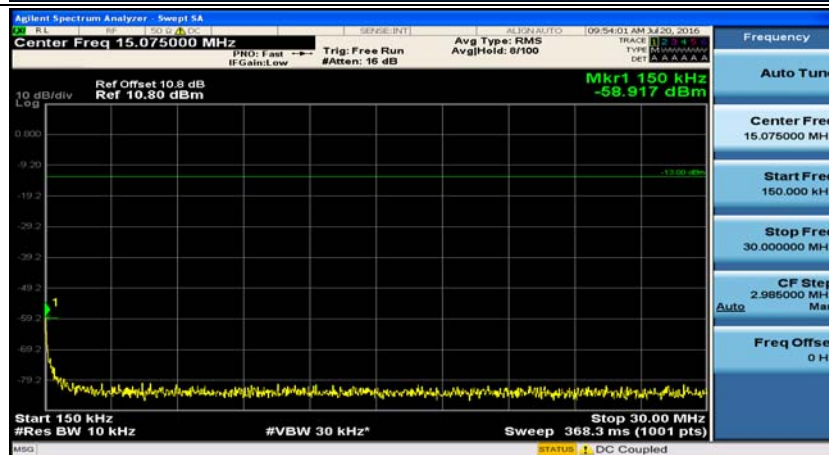


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49

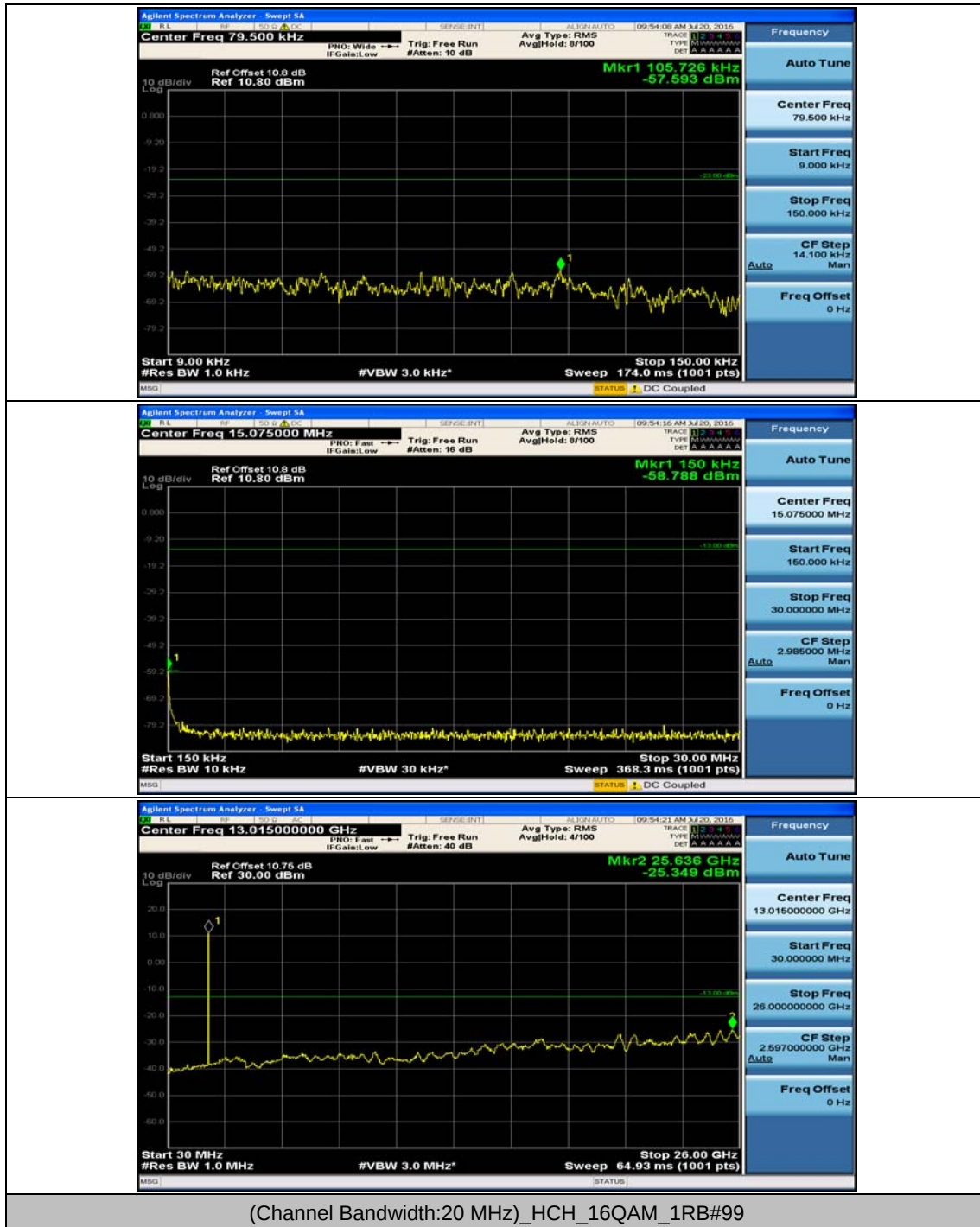


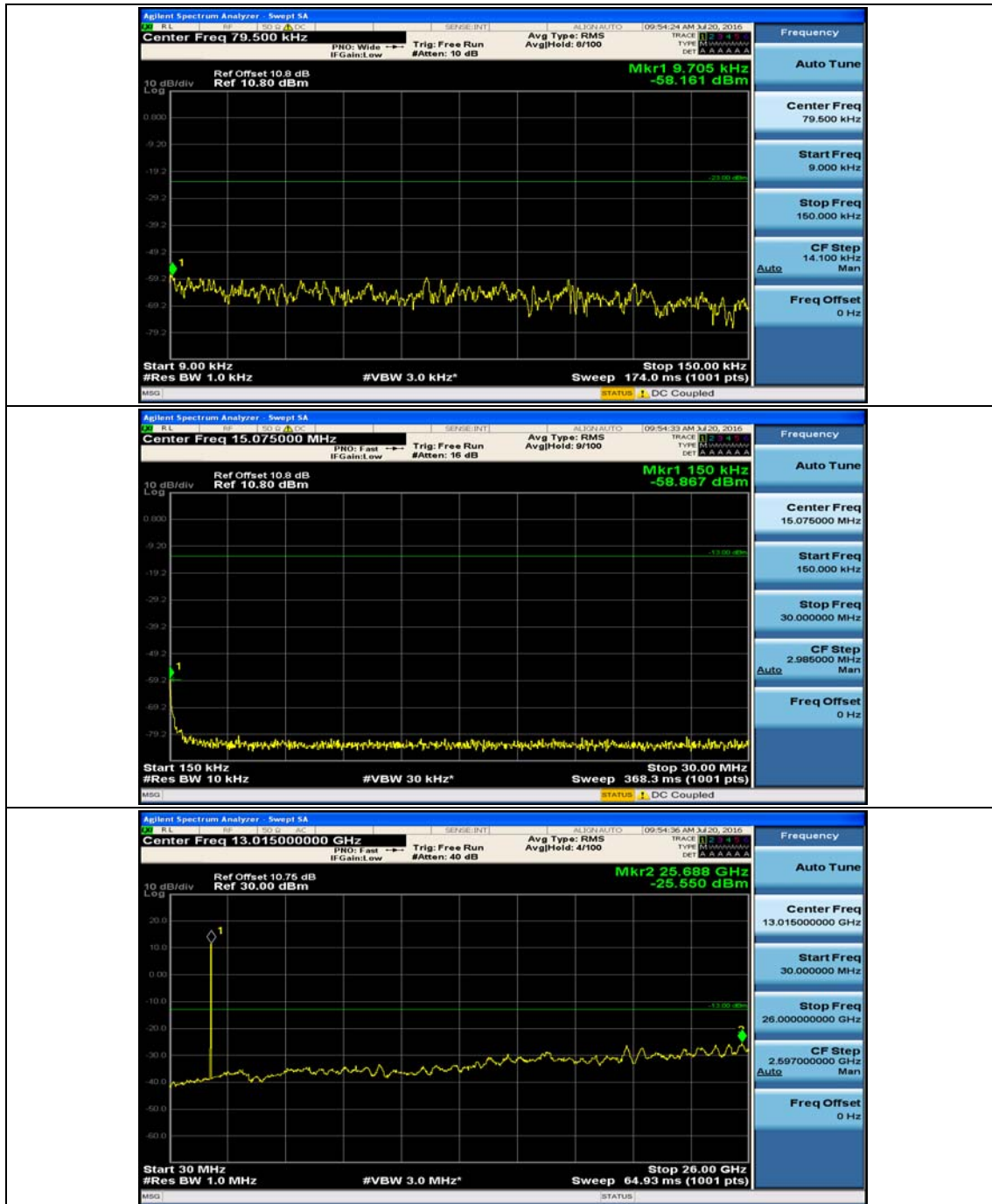


(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#49





## Appendix F: Frequency Stability

### Test Result

**Channel Bandwidth: 1.4 MHz**

| Channel Bandwidth: 1.4 MHz |         |               |                  |                |                 |             |         |
|----------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage                    |         |               |                  |                |                 |             |         |
| Modulation                 | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                       | LCH     | VL            | TN               | 4              | 0.002161        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 3.32           | 0.001794        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -0.82          | -0.000443       | ± 2.5       | PASS    |
|                            | MCH     | VL            | TN               | -1.03          | -0.000548       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 1.7            | 0.000904        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -1.93          | -0.001027       | ± 2.5       | PASS    |
|                            | HCH     | VL            | TN               | 4.31           | 0.002257        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -1.99          | -0.001042       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -0.26          | -0.000136       | ± 2.5       | PASS    |
| 16QAM                      | LCH     | VL            | TN               | 3.56           | 0.001924        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 0.79           | 0.000427        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 2.82           | 0.001524        | ± 2.5       | PASS    |
|                            | MCH     | VL            | TN               | 2.26           | 0.001202        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 0.31           | 0.000165        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -0.54          | -0.000287       | ± 2.5       | PASS    |
|                            | HCH     | VL            | TN               | 3.24           | 0.001697        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -1.17          | -0.000613       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -0.98          | -0.000513       | ± 2.5       | PASS    |
| Temperature                |         |               |                  |                |                 |             |         |
| Modulation                 | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                       | LCH     | VN            | -30              | 0.99           | 0.000535        | ± 2.5       | PASS    |
|                            |         | VN            | -20              | 2.85           | 0.001540        | ± 2.5       | PASS    |
|                            |         | VN            | -10              | -0.24          | -0.000130       | ± 2.5       | PASS    |
|                            |         | VN            | 0                | 3.64           | 0.001967        | ± 2.5       | PASS    |
|                            |         | VN            | 10               | -1.27          | -0.000686       | ± 2.5       | PASS    |
|                            |         | VN            | 20               | 2.37           | 0.001281        | ± 2.5       | PASS    |
|                            |         | VN            | 30               | -1.78          | -0.000962       | ± 2.5       | PASS    |
|                            |         | VN            | 40               | 1.58           | 0.000854        | ± 2.5       | PASS    |
|                            |         | VN            | 50               | 3.87           | 0.002091        | ± 2.5       | PASS    |
|                            | MCH     | VN            | -30              | 3.96           | 0.002106        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | -20 | 4.61  | 0.002452  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.5   | 0.000798  | ± 2.5 | PASS |
|       |     | VN | 0   | 4.46  | 0.002372  | ± 2.5 | PASS |
|       |     | VN | 10  | -0.16 | -0.000085 | ± 2.5 | PASS |
|       |     | VN | 20  | 4.81  | 0.002559  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.24  | 0.000128  | ± 2.5 | PASS |
|       |     | VN | 40  | 1.7   | 0.000904  | ± 2.5 | PASS |
|       |     | VN | 50  | -0.82 | -0.000436 | ± 2.5 | PASS |
|       | HCH | VN | -30 | -1.06 | -0.000555 | ± 2.5 | PASS |
|       |     | VN | -20 | 0.37  | 0.000194  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.81  | 0.001995  | ± 2.5 | PASS |
|       |     | VN | 0   | -1.01 | -0.000529 | ± 2.5 | PASS |
|       |     | VN | 10  | 0.55  | 0.000288  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.07  | 0.001084  | ± 2.5 | PASS |
|       |     | VN | 30  | 2.86  | 0.001498  | ± 2.5 | PASS |
|       |     | VN | 40  | -0.65 | -0.000340 | ± 2.5 | PASS |
| 16QAM | LCH | VN | 50  | 0.64  | 0.000335  | ± 2.5 | PASS |
|       |     | VN | -30 | 2.75  | 0.001486  | ± 2.5 | PASS |
|       |     | VN | -20 | -1.31 | -0.000708 | ± 2.5 | PASS |
|       |     | VN | -10 | -0.47 | -0.000254 | ± 2.5 | PASS |
|       |     | VN | 0   | 1.59  | 0.000859  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.68  | 0.000367  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.26  | 0.000681  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.14  | 0.002237  | ± 2.5 | PASS |
|       |     | VN | 40  | -1.31 | -0.000708 | ± 2.5 | PASS |
|       | MCH | VN | 50  | 1.43  | 0.000773  | ± 2.5 | PASS |
|       |     | VN | -30 | 0.63  | 0.000335  | ± 2.5 | PASS |
|       |     | VN | -20 | 4.94  | 0.002628  | ± 2.5 | PASS |
|       |     | VN | -10 | 0.28  | 0.000149  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.7   | 0.001436  | ± 2.5 | PASS |
|       |     | VN | 10  | 3.13  | 0.001665  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.94  | 0.001564  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.1   | 0.000053  | ± 2.5 | PASS |
|       |     | VN | 40  | -0.46 | -0.000245 | ± 2.5 | PASS |
|       | HCH | VN | 50  | 0.27  | 0.000144  | ± 2.5 | PASS |
|       |     | VN | -30 | 2.2   | 0.001152  | ± 2.5 | PASS |
|       |     | VN | -20 | 0.48  | 0.000251  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.41  | 0.000738  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.4  | -0.000210 | ± 2.5 | PASS |
|       |     | VN | 10  | 4.05  | 0.002121  | ± 2.5 | PASS |
|       |     | VN | 20  | 4.39  | 0.002299  | ± 2.5 | PASS |

|  |  |    |    |      |          |       |      |
|--|--|----|----|------|----------|-------|------|
|  |  | VN | 30 | 4.65 | 0.002435 | ± 2.5 | PASS |
|  |  | VN | 40 | 0.89 | 0.000466 | ± 2.5 | PASS |
|  |  | VN | 50 | 0.37 | 0.000194 | ± 2.5 | PASS |

### Channel Bandwidth: 3 MHz

| Channel Bandwidth: 3 MHz+ |         |               |                  |                |                 |             |         |
|---------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage                   |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VL            | TN               | -1.68          | -0.000907       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.84          | -0.000454       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.18           | 0.001177        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.77          | -0.000410       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 4.99           | 0.002654        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.53           | 0.001346        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 4.8            | 0.002515        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.36          | -0.000189       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.05           | 0.000026        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 3.7            | 0.001998        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 4.7            | 0.002538        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.62           | 0.001955        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -1.28          | -0.000681       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.7           | -0.000372       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.29          | -0.000154       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 4.06           | 0.002127        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.36           | 0.000189        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.99          | -0.000519       | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 1.98           | 0.001069        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 2.7            | 0.001458        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 1.59           | 0.000859        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -0.49          | -0.000265       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 0.34           | 0.000184        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 1.02           | 0.000551        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | 1.78           | 0.000961        | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 4.32           | 0.002333        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 0.82           | 0.000443        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | 0.3            | 0.000160        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 2.43           | 0.001293        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | -10 | -0.18 | -0.000096 | ± 2.5 | PASS |
|       |     | VN | 0   | -1.18 | -0.000628 | ± 2.5 | PASS |
|       |     | VN | 10  | 2.62  | 0.001394  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.61  | 0.000856  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.69  | 0.002495  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.29  | 0.001750  | ± 2.5 | PASS |
|       |     | VN | 50  | 2.39  | 0.001271  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 0.12  | 0.000063  | ± 2.5 | PASS |
|       |     | VN | -20 | 2.4   | 0.001258  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.06  | 0.000555  | ± 2.5 | PASS |
|       |     | VN | 0   | 3.03  | 0.001588  | ± 2.5 | PASS |
|       |     | VN | 10  | 3.87  | 0.002028  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.85 | -0.000445 | ± 2.5 | PASS |
|       |     | VN | 30  | 1.41  | 0.000739  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.74  | 0.001960  | ± 2.5 | PASS |
|       |     | VN | 50  | -1.89 | -0.000990 | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | -0.14 | -0.000076 | ± 2.5 | PASS |
|       |     | VN | -20 | -0.87 | -0.000470 | ± 2.5 | PASS |
|       |     | VN | -10 | 4.09  | 0.002209  | ± 2.5 | PASS |
|       |     | VN | 0   | 1.94  | 0.001048  | ± 2.5 | PASS |
|       |     | VN | 10  | 2.16  | 0.001167  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.57  | 0.000848  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.09  | 0.000049  | ± 2.5 | PASS |
|       |     | VN | 40  | -1.55 | -0.000837 | ± 2.5 | PASS |
|       |     | VN | 50  | 4.49  | 0.002425  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 3.57  | 0.001899  | ± 2.5 | PASS |
|       |     | VN | -20 | -0.81 | -0.000431 | ± 2.5 | PASS |
|       |     | VN | -10 | 1.54  | 0.000819  | ± 2.5 | PASS |
|       |     | VN | 0   | 3.01  | 0.001601  | ± 2.5 | PASS |
|       |     | VN | 10  | -1.14 | -0.000606 | ± 2.5 | PASS |
|       |     | VN | 20  | 1.55  | 0.000824  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.75  | 0.002527  | ± 2.5 | PASS |
|       |     | VN | 40  | -0.89 | -0.000473 | ± 2.5 | PASS |
|       |     | VN | 50  | -0.9  | -0.000479 | ± 2.5 | PASS |
|       | HCH | VN | -30 | 3.53  | 0.001850  | ± 2.5 | PASS |
|       |     | VN | -20 | 4.69  | 0.002457  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.45 | -0.000236 | ± 2.5 | PASS |
|       |     | VN | 0   | 2.22  | 0.001163  | ± 2.5 | PASS |
|       |     | VN | 10  | 4.62  | 0.002421  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.35 | -0.000183 | ± 2.5 | PASS |
|       |     | VN | 30  | 3.44  | 0.001802  | ± 2.5 | PASS |

|  |  |    |    |      |          |       |      |
|--|--|----|----|------|----------|-------|------|
|  |  | VN | 40 | 1.62 | 0.000849 | ± 2.5 | PASS |
|  |  | VN | 50 | 2.03 | 0.001064 | ± 2.5 | PASS |

### 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               | 1.49           | 0.000804        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 1.16           | 0.000626        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -0.15          | -0.000081       | ± 2.5       | PASS    |
|                          | MCH     | VL            | TN               | 0.49           | 0.000261        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | -0.16          | -0.000085       | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -0.54          | -0.000287       | ± 2.5       | PASS    |
|                          | HCH     | VL            | TN               | 1.27           | 0.000666        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 3.27           | 0.001714        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 0.71           | 0.000372        | ± 2.5       | PASS    |
| 16QAM                    | LCH     | VL            | TN               | 1.48           | 0.000799        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | -0.9           | -0.000486       | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -0.99          | -0.000534       | ± 2.5       | PASS    |
|                          | MCH     | VL            | TN               | -1.83          | -0.000973       | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 2.44           | 0.001298        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 3.09           | 0.001644        | ± 2.5       | PASS    |
|                          | HCH     | VL            | TN               | -0.33          | -0.000173       | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 0.54           | 0.000283        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 3.62           | 0.001898        | ± 2.5       | PASS    |
| Temperature              |         |               |                  |                |                 |             |         |
| Modulation               | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                     | LCH     | VN            | -30              | -0.2           | -0.000108       | ± 2.5       | PASS    |
|                          |         | VN            | -20              | 3.75           | 0.002024        | ± 2.5       | PASS    |
|                          |         | VN            | -10              | 4.35           | 0.002348        | ± 2.5       | PASS    |
|                          |         | VN            | 0                | 1.63           | 0.000880        | ± 2.5       | PASS    |
|                          |         | VN            | 10               | -1.49          | -0.000804       | ± 2.5       | PASS    |
|                          |         | VN            | 20               | 0.53           | 0.000286        | ± 2.5       | PASS    |
|                          |         | VN            | 30               | 1.11           | 0.000599        | ± 2.5       | PASS    |
|                          |         | VN            | 40               | 1.02           | 0.000551        | ± 2.5       | PASS    |
|                          |         | VN            | 50               | 2.81           | 0.001517        | ± 2.5       | PASS    |
|                          | MCH     | VN            | -30              | 3.63           | 0.001931        | ± 2.5       | PASS    |
|                          |         | VN            | -20              | 4.54           | 0.002415        | ± 2.5       | PASS    |
|                          |         | VN            | -10              | 4.46           | 0.002372        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 0   | -1.48 | -0.000787 | ± 2.5 | PASS |
|       |     | VN | 10  | 0.28  | 0.000149  | ± 2.5 | PASS |
|       |     | VN | 20  | 0.16  | 0.000085  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.91  | 0.000484  | ± 2.5 | PASS |
|       |     | VN | 40  | 2.11  | 0.001122  | ± 2.5 | PASS |
|       |     | VN | 50  | -0.76 | -0.000404 | ± 2.5 | PASS |
|       | HCH | VN | -30 | -1.49 | -0.000781 | ± 2.5 | PASS |
|       |     | VN | -20 | -0.54 | -0.000283 | ± 2.5 | PASS |
|       |     | VN | -10 | 0.69  | 0.000362  | ± 2.5 | PASS |
|       |     | VN | 0   | 1.64  | 0.000860  | ± 2.5 | PASS |
|       |     | VN | 10  | -0.05 | -0.000026 | ± 2.5 | PASS |
|       |     | VN | 20  | 0.16  | 0.000084  | ± 2.5 | PASS |
|       |     | VN | 30  | 3.84  | 0.002013  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.03  | 0.002113  | ± 2.5 | PASS |
|       |     | VN | 50  | 0.33  | 0.000173  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 1.98  | 0.001069  | ± 2.5 | PASS |
|       |     | VN | -20 | 0.55  | 0.000297  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.67  | 0.000901  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.26  | 0.001220  | ± 2.5 | PASS |
|       |     | VN | 10  | 1.15  | 0.000621  | ± 2.5 | PASS |
|       |     | VN | 20  | 4.05  | 0.002186  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.68  | 0.002526  | ± 2.5 | PASS |
|       |     | VN | 40  | 2.6   | 0.001404  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.35  | 0.000729  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 3.68  | 0.001957  | ± 2.5 | PASS |
|       |     | VN | -20 | -0.36 | -0.000191 | ± 2.5 | PASS |
|       |     | VN | -10 | 4.42  | 0.002351  | ± 2.5 | PASS |
|       |     | VN | 0   | 0.2   | 0.000106  | ± 2.5 | PASS |
|       |     | VN | 10  | 2.91  | 0.001548  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.99  | 0.001590  | ± 2.5 | PASS |
|       |     | VN | 30  | -0.18 | -0.000096 | ± 2.5 | PASS |
|       |     | VN | 40  | 1.79  | 0.000952  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.02  | 0.000543  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 4.57  | 0.002396  | ± 2.5 | PASS |
|       |     | VN | -20 | -0.63 | -0.000330 | ± 2.5 | PASS |
|       |     | VN | -10 | 4.67  | 0.002448  | ± 2.5 | PASS |
|       |     | VN | 0   | 3.76  | 0.001971  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.28  | 0.000147  | ± 2.5 | PASS |
|       |     | VN | 20  | -1.97 | -0.001033 | ± 2.5 | PASS |
|       |     | VN | 30  | -0.32 | -0.000168 | ± 2.5 | PASS |
|       |     | VN | 40  | 1.65  | 0.000865  | ± 2.5 | PASS |

|  |  |    |    |      |          |       |      |
|--|--|----|----|------|----------|-------|------|
|  |  | VN | 50 | 2.56 | 0.001342 | ± 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               | -1.67          | -0.000900       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.63           | 0.001957        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.67          | -0.000361       | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.6           | -0.000319       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.07          | -0.000569       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.8            | 0.002553        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -1.86          | -0.000976       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.99           | 0.000520        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.29          | -0.000677       | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 4.66           | 0.002512        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.06           | 0.001111        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.29           | 0.001235        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 0.61           | 0.000324        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.84           | 0.001511        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.44           | 0.002362        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 0.71           | 0.000373        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.37           | 0.001244        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.6            | 0.000315        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 16QAM                     | LCH     | VN            | -30              | -0.41          | -0.000221       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 0.39           | 0.000210        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 1.26           | 0.000679        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 2.78           | 0.001499        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -0.8           | -0.000431       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 1.81           | 0.000976        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -0.97          | -0.000523       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 2.07           | 0.001116        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 3.1            | 0.001671        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | 2.59           | 0.001378        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 0.86           | 0.000457        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 2.27           | 0.001207        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 4.11           | 0.002186        | ± 2.5       | PASS    |

|      |     |    |     |       |           |       |      |
|------|-----|----|-----|-------|-----------|-------|------|
|      |     | VN | 10  | 0     | 0.000000  | ± 2.5 | PASS |
|      |     | VN | 20  | -0.03 | -0.000016 | ± 2.5 | PASS |
|      |     | VN | 30  | 4.6   | 0.002447  | ± 2.5 | PASS |
|      |     | VN | 40  | 1.33  | 0.000707  | ± 2.5 | PASS |
|      |     | VN | 50  | 3.25  | 0.001729  | ± 2.5 | PASS |
|      | HCH | VN | -30 | -0.15 | -0.000079 | ± 2.5 | PASS |
|      |     | VN | -20 | 3.03  | 0.001591  | ± 2.5 | PASS |
|      |     | VN | -10 | -1.5  | -0.000787 | ± 2.5 | PASS |
|      |     | VN | 0   | -1.92 | -0.001008 | ± 2.5 | PASS |
|      |     | VN | 10  | 1.33  | 0.000698  | ± 2.5 | PASS |
|      |     | VN | 20  | 3.3   | 0.001732  | ± 2.5 | PASS |
|      |     | VN | 30  | -0.95 | -0.000499 | ± 2.5 | PASS |
|      |     | VN | 40  | -0.98 | -0.000514 | ± 2.5 | PASS |
|      |     | VN | 50  | -0.36 | -0.000189 | ± 2.5 | PASS |
|      |     | VN | -30 | -0.07 | -0.000038 | ± 2.5 | PASS |
| QPSK | LCH | VN | -20 | -1.33 | -0.000717 | ± 2.5 | PASS |
|      |     | VN | -10 | -0.24 | -0.000129 | ± 2.5 | PASS |
|      |     | VN | 0   | -0.82 | -0.000442 | ± 2.5 | PASS |
|      |     | VN | 10  | 2.59  | 0.001396  | ± 2.5 | PASS |
|      |     | VN | 20  | -1.42 | -0.000765 | ± 2.5 | PASS |
|      |     | VN | 30  | 3.95  | 0.002129  | ± 2.5 | PASS |
|      |     | VN | 40  | 3.14  | 0.001693  | ± 2.5 | PASS |
|      |     | VN | 50  | -0.29 | -0.000156 | ± 2.5 | PASS |
|      | MCH | VN | -30 | 4.07  | 0.002165  | ± 2.5 | PASS |
|      |     | VN | -20 | -1.82 | -0.000968 | ± 2.5 | PASS |
|      |     | VN | -10 | 2.6   | 0.001383  | ± 2.5 | PASS |
|      |     | VN | 0   | 1.36  | 0.000723  | ± 2.5 | PASS |
|      |     | VN | 10  | -1.07 | -0.000569 | ± 2.5 | PASS |
|      |     | VN | 20  | 4.47  | 0.002378  | ± 2.5 | PASS |
|      |     | VN | 30  | -1.56 | -0.000830 | ± 2.5 | PASS |
|      |     | VN | 40  | -0.13 | -0.000069 | ± 2.5 | PASS |
|      |     | VN | 50  | 2     | 0.001064  | ± 2.5 | PASS |
|      | HCH | VN | -30 | 0.75  | 0.000394  | ± 2.5 | PASS |
|      |     | VN | -20 | 4.55  | 0.002388  | ± 2.5 | PASS |
|      |     | VN | -10 | -0.92 | -0.000483 | ± 2.5 | PASS |
|      |     | VN | 0   | 2.37  | 0.001244  | ± 2.5 | PASS |
|      |     | VN | 10  | 1.32  | 0.000693  | ± 2.5 | PASS |
|      |     | VN | 20  | -1.61 | -0.000845 | ± 2.5 | PASS |
|      |     | VN | 30  | 1.29  | 0.000677  | ± 2.5 | PASS |
|      |     | VN | 40  | 3.82  | 0.002005  | ± 2.5 | PASS |
|      |     | VN | 50  | 2.13  | 0.001118  | ± 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               | 1.82           | 0.000980        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.68           | 0.000366        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.7            | 0.000915        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -1.72          | -0.000915       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.61           | 0.001920        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.61          | -0.000856       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -1.52          | -0.000799       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.36           | 0.000715        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.46           | 0.000242        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | -0.79          | -0.000425       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.61           | 0.001405        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.38           | 0.002358        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.97          | -0.000516       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.15           | 0.000080        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -2             | -0.001064       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -0.46          | -0.000242       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.7           | -0.000368       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.52           | 0.001325        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | -0.16          | -0.000086       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 3.05           | 0.001642        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 1.26           | 0.000678        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -0.89          | -0.000479       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 0.86           | 0.000463        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 1.78           | 0.000958        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -0.52          | -0.000280       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | -1.12          | -0.000603       | ± 2.5       | PASS    |
|                           |         | VN            | 50               | -1.64          | -0.000883       | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | 4.98           | 0.002649        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 2.58           | 0.001372        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 3.51           | 0.001867        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 2.33           | 0.001239        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -1.69          | -0.000899       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 0.66           | 0.000351        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 30  | -0.51 | -0.000271 | ± 2.5 | PASS |
|       |     | VN | 40  | -1.14 | -0.000606 | ± 2.5 | PASS |
|       |     | VN | 50  | 2.1   | 0.001117  | ± 2.5 | PASS |
|       | HCH | VN | -30 | -1.5  | -0.000788 | ± 2.5 | PASS |
|       |     | VN | -20 | -0.89 | -0.000468 | ± 2.5 | PASS |
|       |     | VN | -10 | 4.67  | 0.002455  | ± 2.5 | PASS |
|       |     | VN | 0   | 4.39  | 0.002307  | ± 2.5 | PASS |
|       |     | VN | 10  | 3.57  | 0.001876  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.43 | -0.000226 | ± 2.5 | PASS |
|       |     | VN | 30  | 3.48  | 0.001829  | ± 2.5 | PASS |
|       |     | VN | 40  | 0.08  | 0.000042  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.06  | 0.000557  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 3.26  | 0.001755  | ± 2.5 | PASS |
|       |     | VN | -20 | 2.7   | 0.001454  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.94 | -0.000506 | ± 2.5 | PASS |
|       |     | VN | 0   | 3.47  | 0.001868  | ± 2.5 | PASS |
|       |     | VN | 10  | 1.53  | 0.000824  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.27  | 0.000684  | ± 2.5 | PASS |
|       |     | VN | 30  | 2.68  | 0.001443  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.85  | 0.002073  | ± 2.5 | PASS |
|       |     | VN | 50  | 2.92  | 0.001572  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 0.44  | 0.000234  | ± 2.5 | PASS |
|       |     | VN | -20 | 1.03  | 0.000548  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.77 | -0.000410 | ± 2.5 | PASS |
|       |     | VN | 0   | 4.07  | 0.002165  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.93  | 0.000495  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.92  | 0.001021  | ± 2.5 | PASS |
|       |     | VN | 30  | 1.79  | 0.000952  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.28  | 0.002277  | ± 2.5 | PASS |
|       |     | VN | 50  | -0.61 | -0.000324 | ± 2.5 | PASS |
|       | HCH | VN | -30 | 2.69  | 0.001414  | ± 2.5 | PASS |
|       |     | VN | -20 | 1.71  | 0.000899  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.75 | -0.000394 | ± 2.5 | PASS |
|       |     | VN | 0   | 3.42  | 0.001798  | ± 2.5 | PASS |
|       |     | VN | 10  | 1.72  | 0.000904  | ± 2.5 | PASS |
|       |     | VN | 20  | 3.66  | 0.001924  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.41  | 0.002318  | ± 2.5 | PASS |
|       |     | VN | 40  | -0.12 | -0.000063 | ± 2.5 | PASS |
|       |     | VN | 50  | 2.7   | 0.001419  | ± 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               | -0.53          | -0.000285       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.06          | -0.000032       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.76          | -0.000409       | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 4.82           | 0.002564        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.68           | 0.001426        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.09           | 0.001112        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 2.85           | 0.001500        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.81           | 0.000953        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.71           | 0.001426        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 2.07           | 0.001113        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.11           | 0.001672        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.3            | 0.001774        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 3.79           | 0.002016        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.22           | 0.000649        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.15           | 0.000080        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 3.88           | 0.002042        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.99           | 0.002100        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.68           | 0.001411        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | -1.29          | -0.000694       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 1.99           | 0.001070        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 1.21           | 0.000651        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 0.36           | 0.000194        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 4.01           | 0.002156        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 3.89           | 0.002091        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | 2.69           | 0.001446        | ± 2.5       | PASS    |
|                           |         | VN            | 40               | -0.87          | -0.000468       | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 4.7            | 0.002527        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | -1.48          | -0.000787       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 1.98           | 0.001053        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 4.29           | 0.002282        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -0.35          | -0.000186       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 4.4            | 0.002340        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 3.68           | 0.001957        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 30  | 3.05  | 0.001622  | ± 2.5 | PASS |
|       |     | VN | 40  | 2.78  | 0.001479  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.72  | 0.002511  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 0.1   | 0.000053  | ± 2.5 | PASS |
|       |     | VN | -20 | -0.4  | -0.000211 | ± 2.5 | PASS |
|       |     | VN | -10 | -1.07 | -0.000563 | ± 2.5 | PASS |
|       |     | VN | 0   | -1.36 | -0.000716 | ± 2.5 | PASS |
|       |     | VN | 10  | -1.33 | -0.000700 | ± 2.5 | PASS |
|       |     | VN | 20  | 1.37  | 0.000721  | ± 2.5 | PASS |
|       |     | VN | 30  | 3.9   | 0.002053  | ± 2.5 | PASS |
|       |     | VN | 40  | -0.68 | -0.000358 | ± 2.5 | PASS |
|       |     | VN | 50  | 3.23  | 0.001700  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 1.59  | 0.000855  | ± 2.5 | PASS |
|       |     | VN | -20 | -0.5  | -0.000269 | ± 2.5 | PASS |
|       |     | VN | -10 | 3.29  | 0.001769  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.71 | -0.000382 | ± 2.5 | PASS |
|       |     | VN | 10  | 3.67  | 0.001973  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.22  | 0.000656  | ± 2.5 | PASS |
|       |     | VN | 30  | -0.66 | -0.000355 | ± 2.5 | PASS |
|       |     | VN | 40  | 1.66  | 0.000892  | ± 2.5 | PASS |
|       |     | VN | 50  | 0.28  | 0.000151  | ± 2.5 | PASS |
|       | MCH | VN | -30 | -1.08 | -0.000574 | ± 2.5 | PASS |
|       |     | VN | -20 | 4.59  | 0.002441  | ± 2.5 | PASS |
|       |     | VN | -10 | -1.89 | -0.001005 | ± 2.5 | PASS |
|       |     | VN | 0   | 0.51  | 0.000271  | ± 2.5 | PASS |
|       |     | VN | 10  | 2.06  | 0.001096  | ± 2.5 | PASS |
|       |     | VN | 20  | 4.4   | 0.002340  | ± 2.5 | PASS |
|       |     | VN | 30  | -1.9  | -0.001011 | ± 2.5 | PASS |
|       |     | VN | 40  | -0.14 | -0.000074 | ± 2.5 | PASS |
|       |     | VN | 50  | -1.88 | -0.001000 | ± 2.5 | PASS |
|       | HCH | VN | -30 | 1.18  | 0.000621  | ± 2.5 | PASS |
|       |     | VN | -20 | 0.47  | 0.000247  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.25  | 0.000658  | ± 2.5 | PASS |
|       |     | VN | 0   | 1.15  | 0.000605  | ± 2.5 | PASS |
|       |     | VN | 10  | -1.32 | -0.000695 | ± 2.5 | PASS |
|       |     | VN | 20  | 2.93  | 0.001542  | ± 2.5 | PASS |
|       |     | VN | 30  | 1.92  | 0.001011  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.25  | 0.002237  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.48  | 0.000779  | ± 2.5 | PASS |