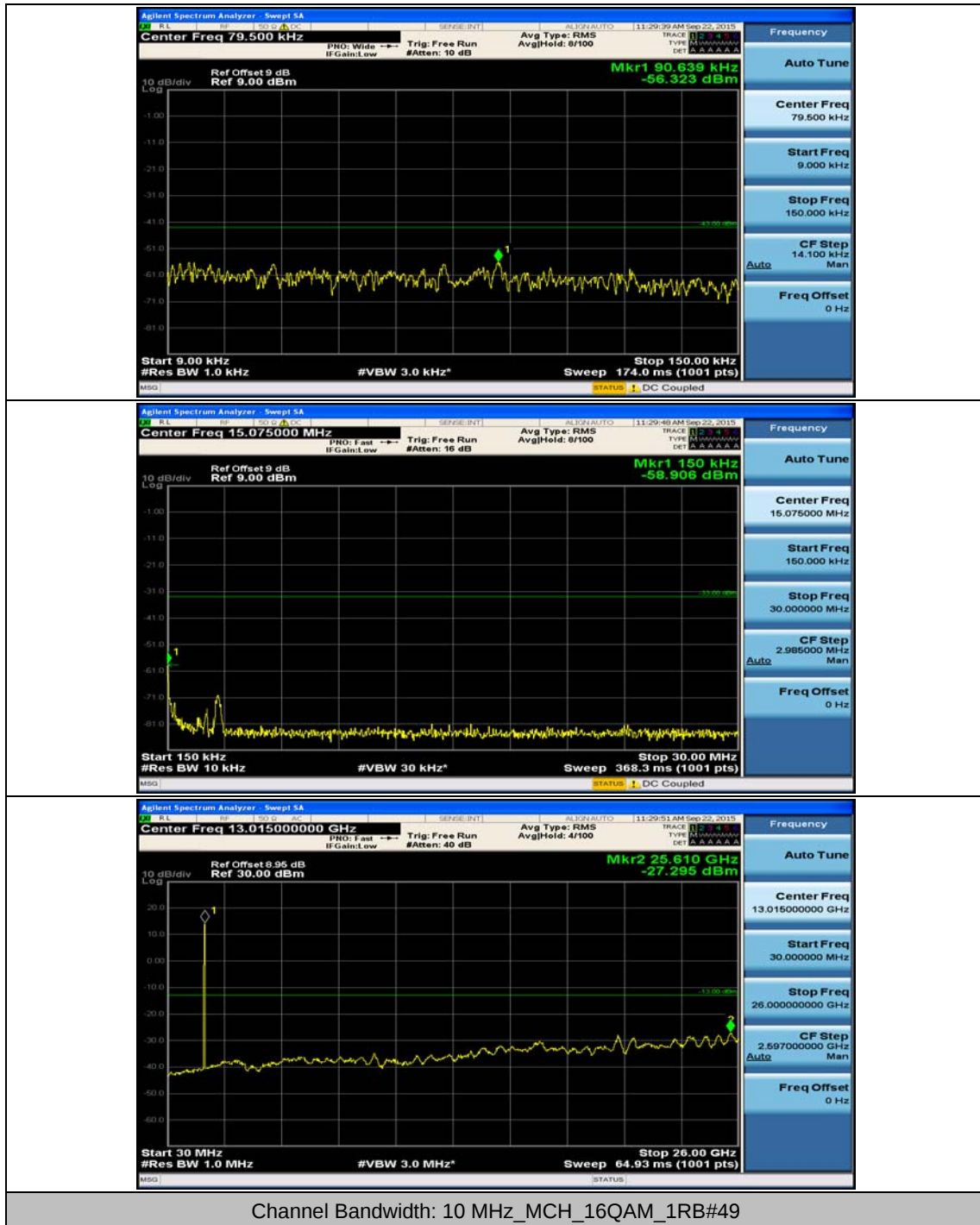
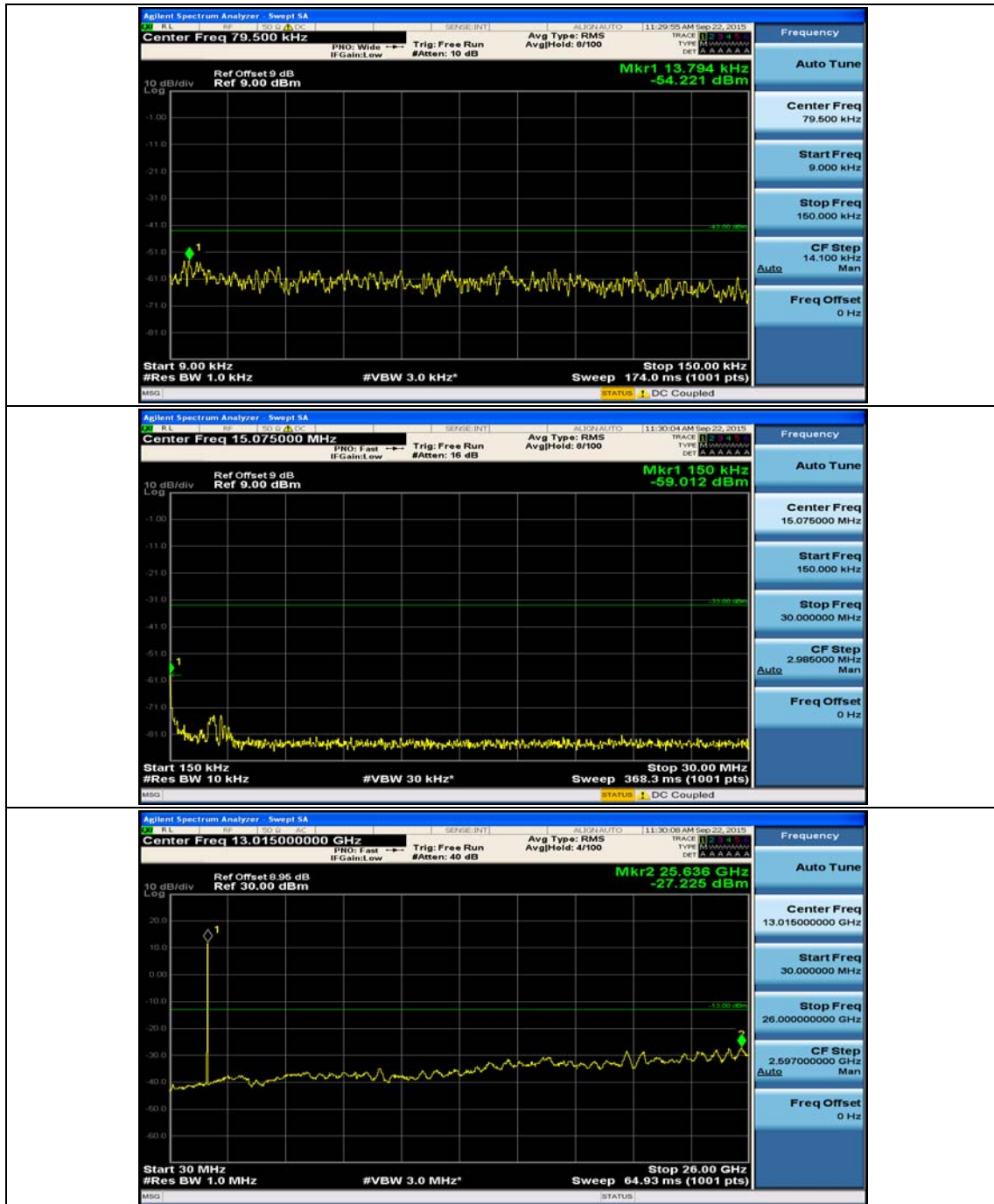
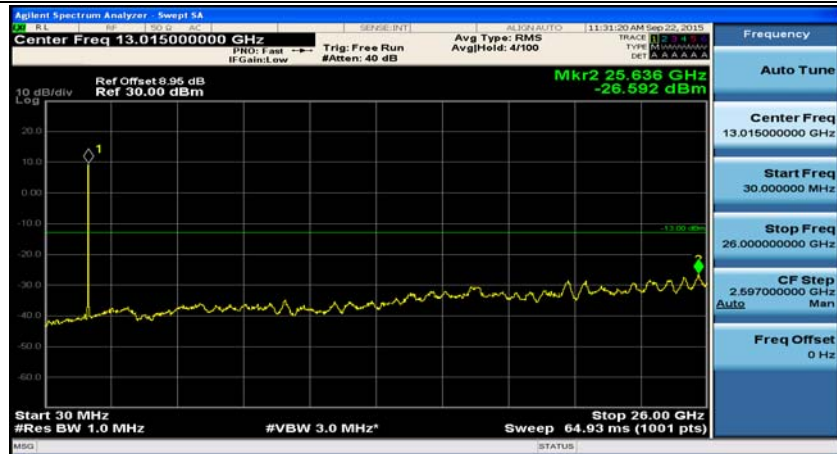
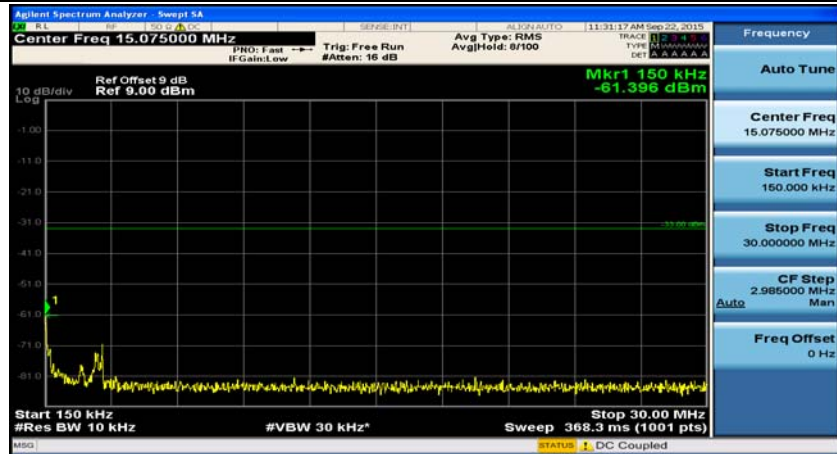
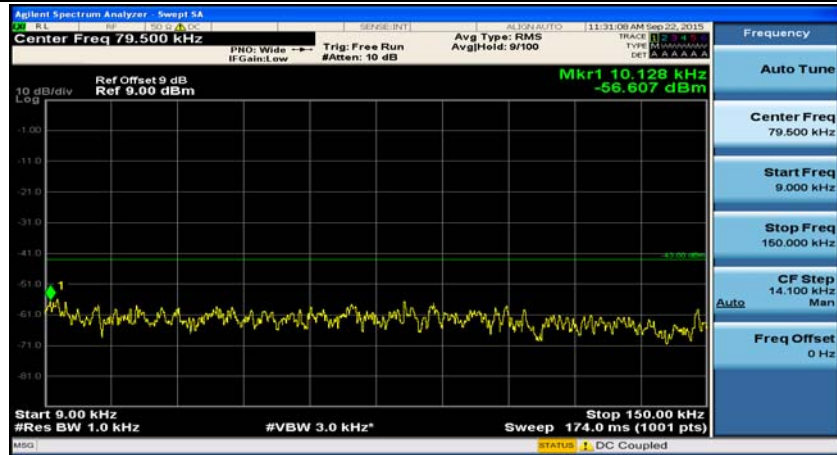


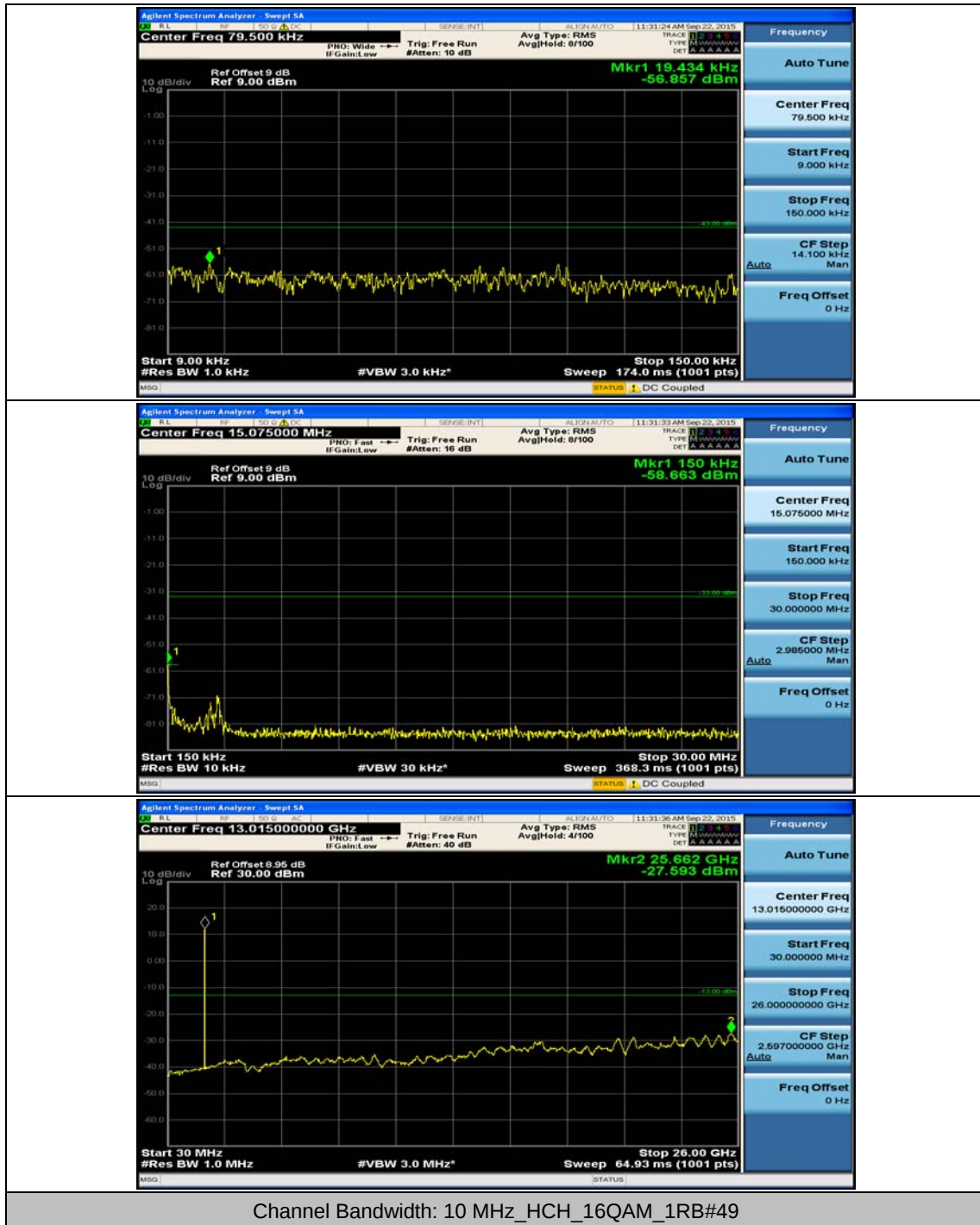


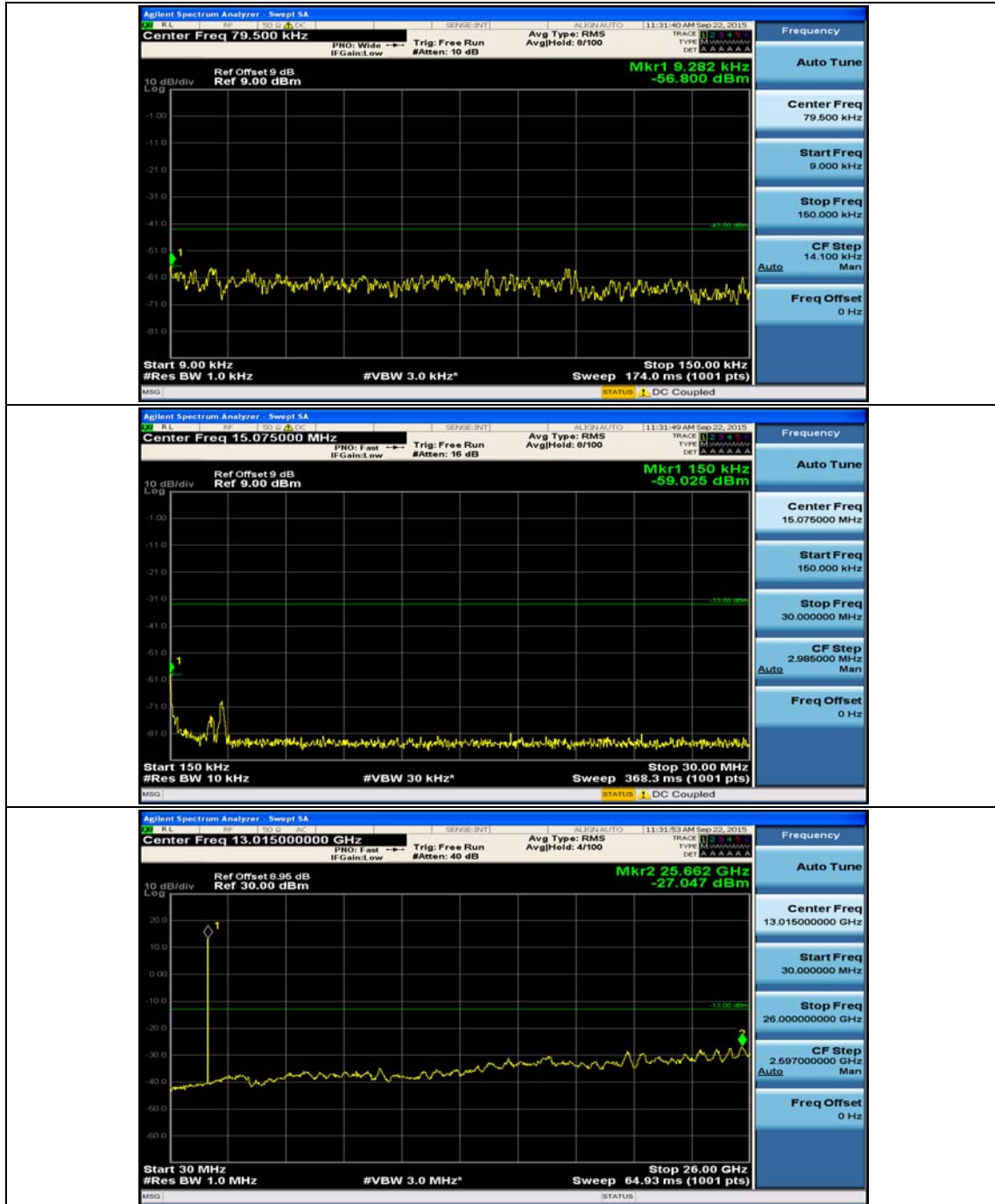


Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



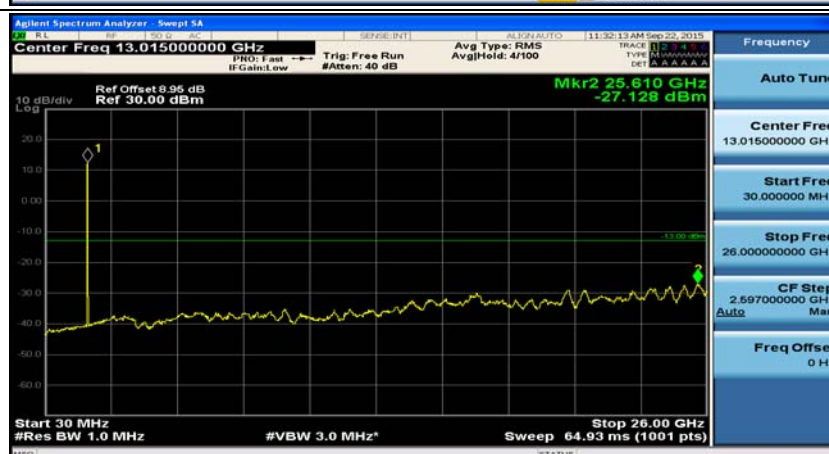
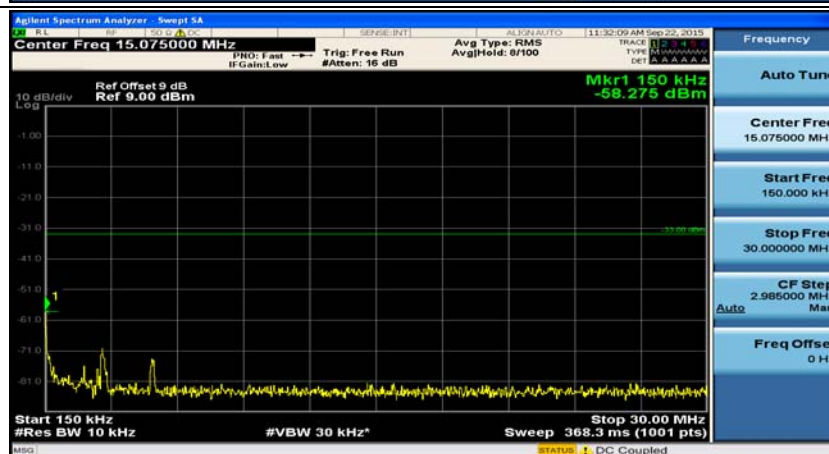
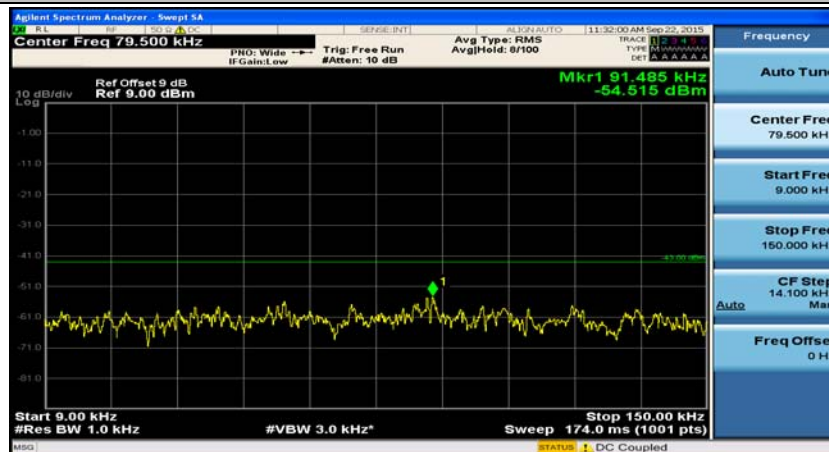
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24



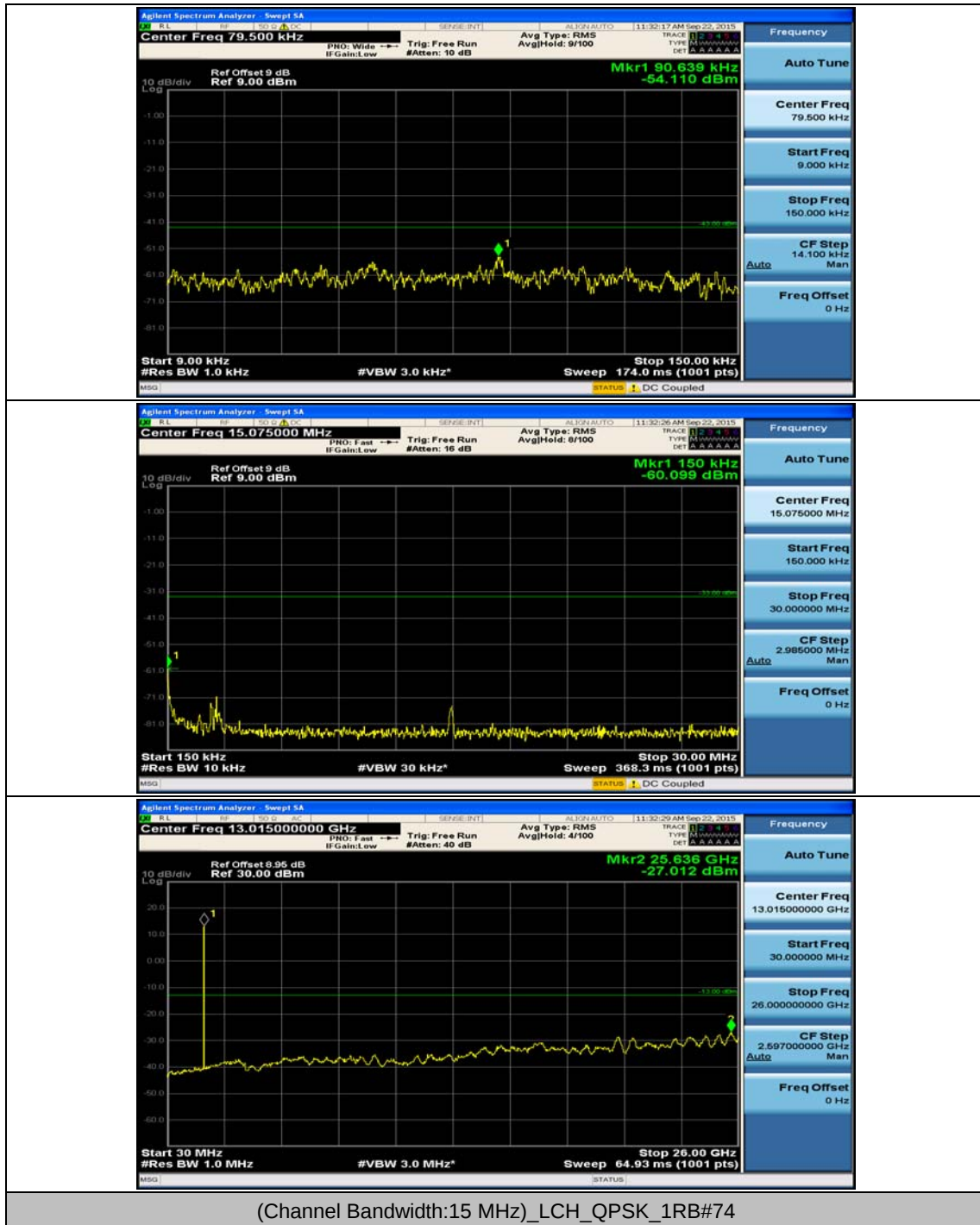


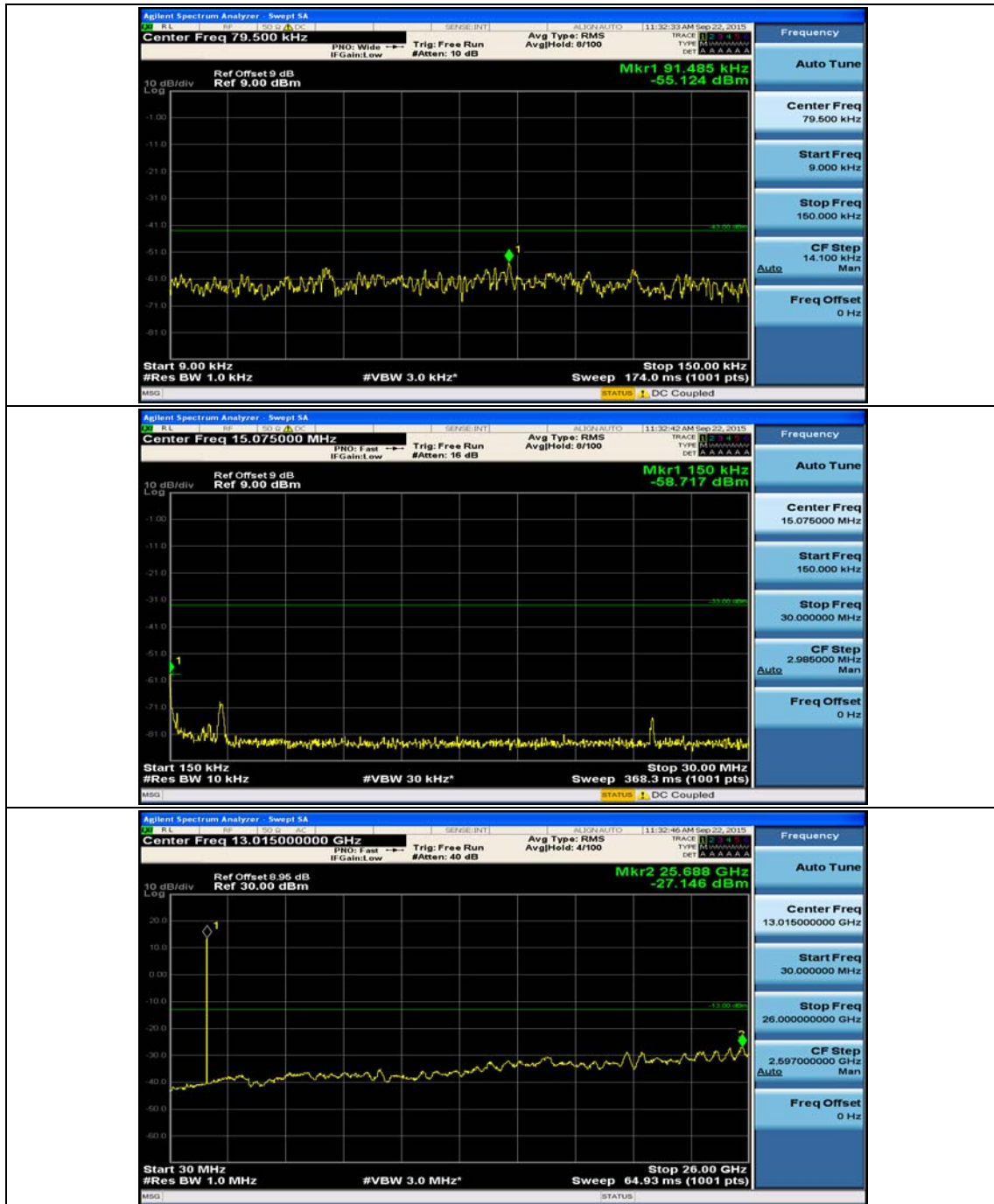
## Channel Bandwidth: 15 MHz

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

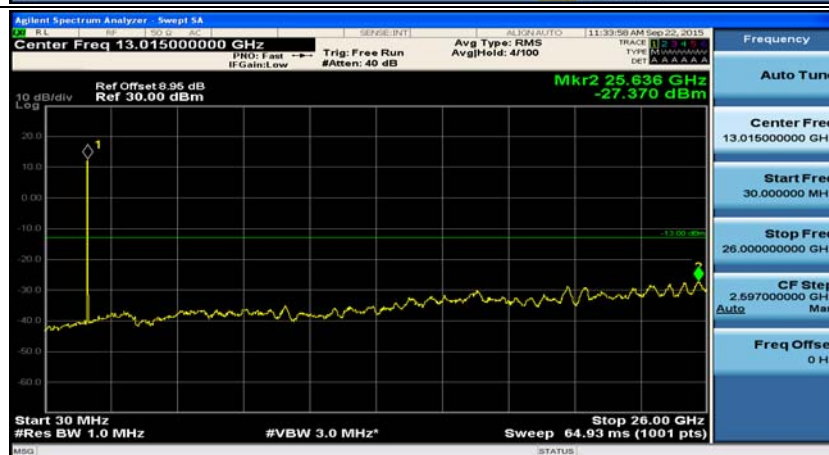
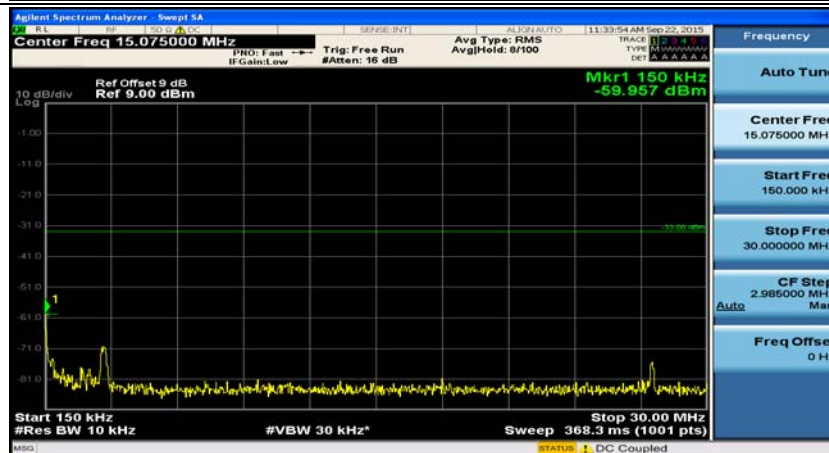
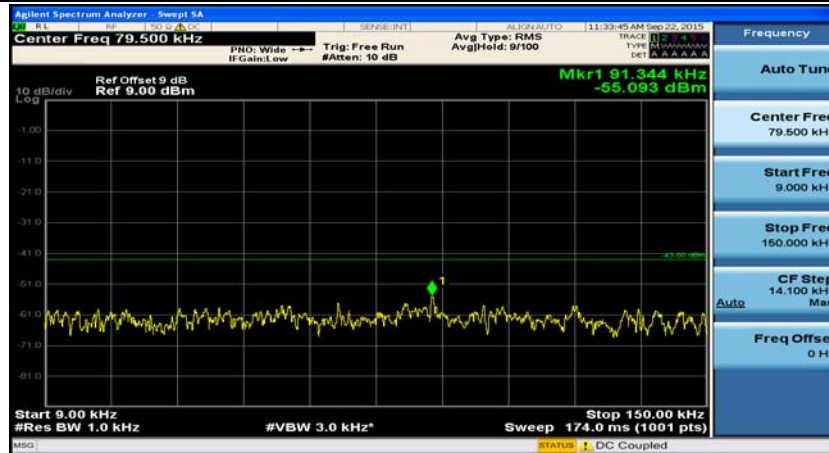


(Channel Bandwidth:15 MHz)\_LCH\_QPSK\_1RB#37

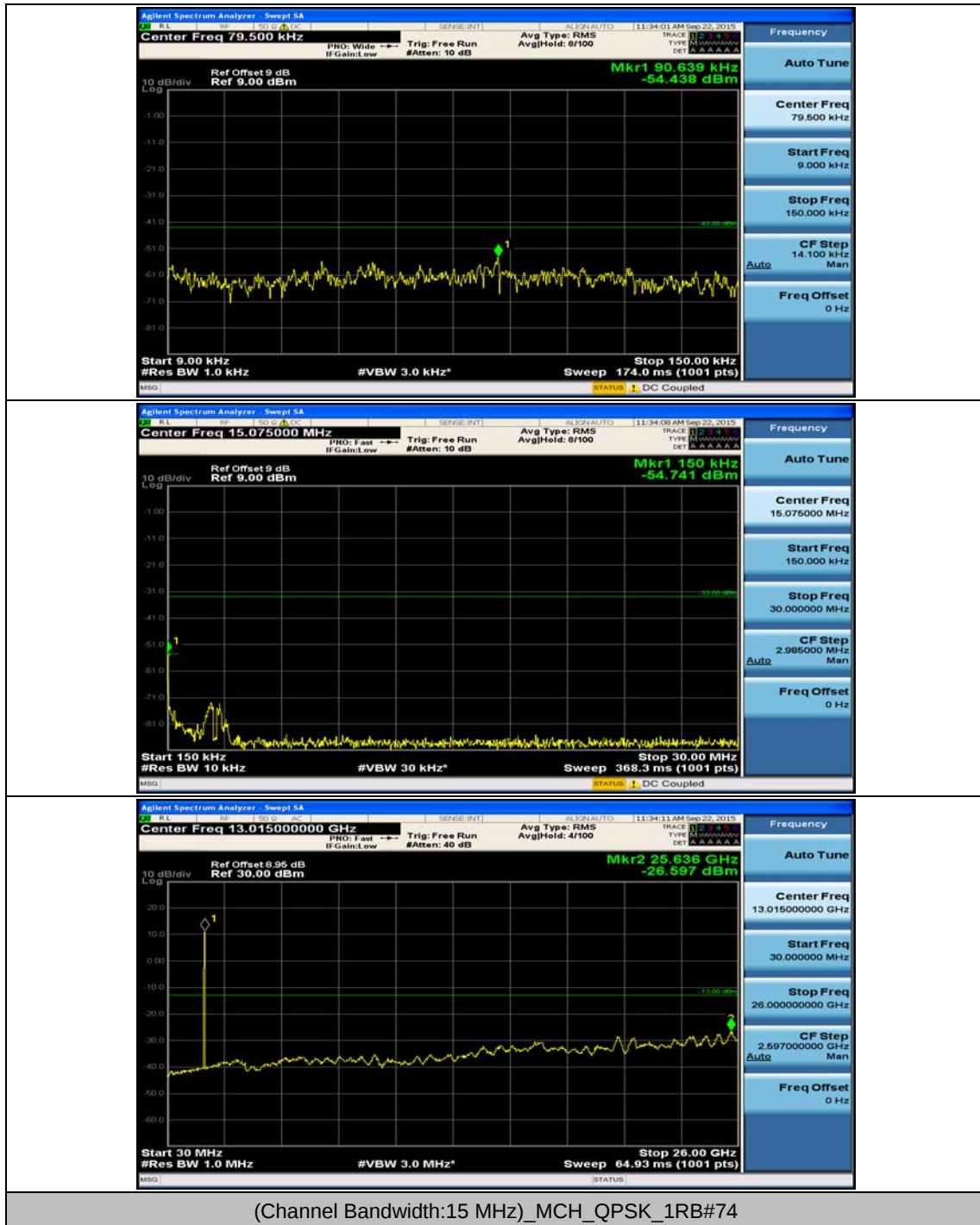


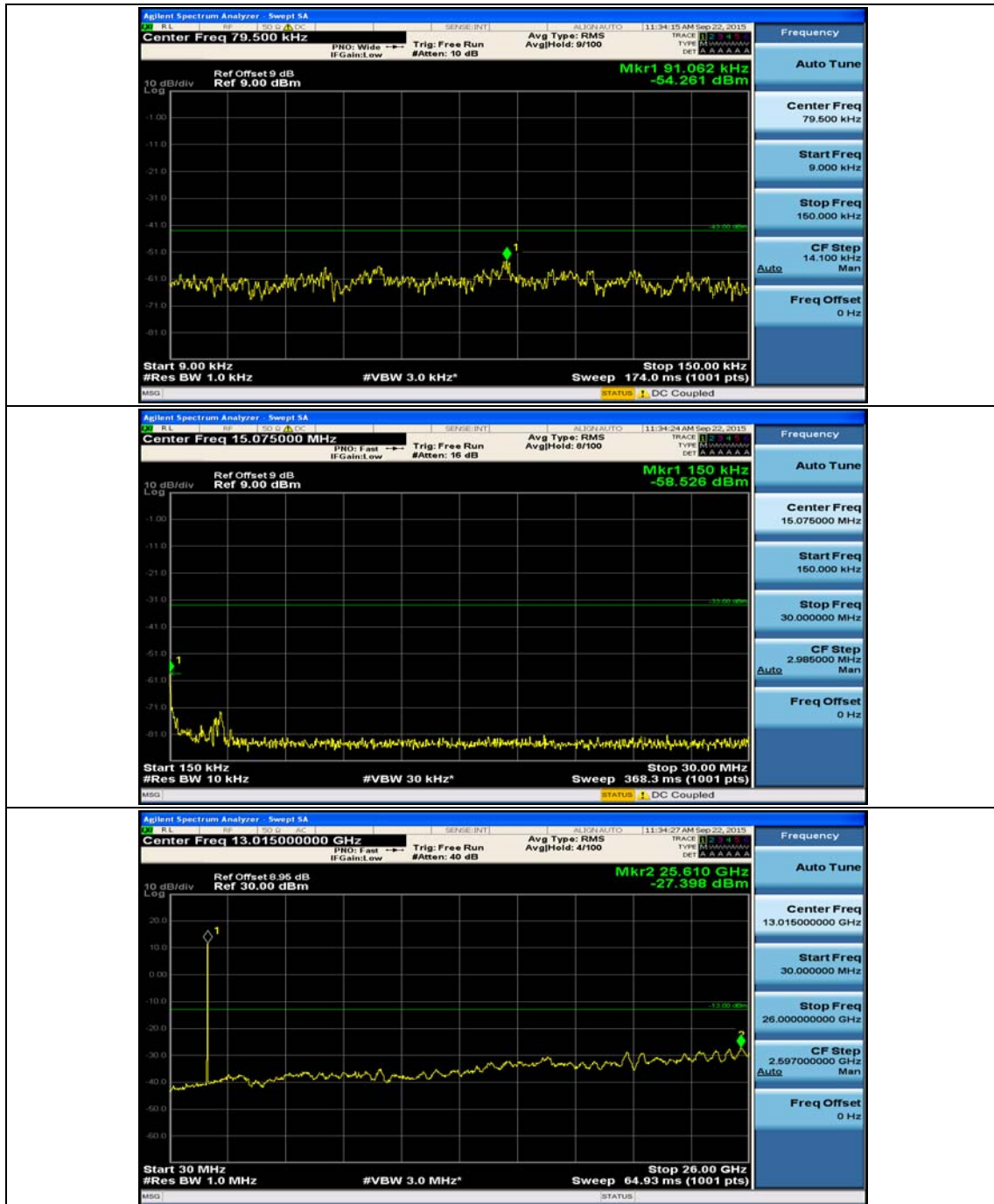


(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#0

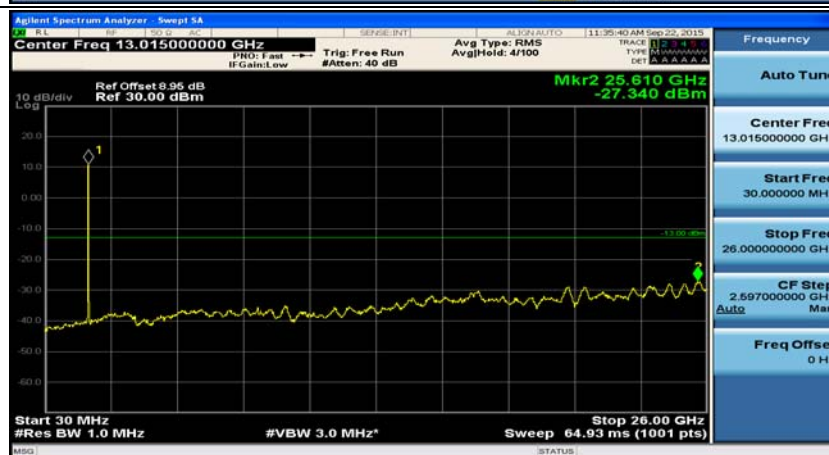
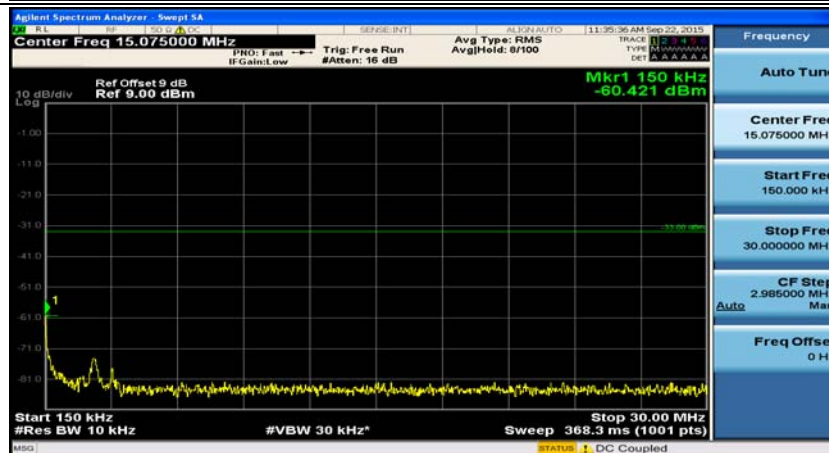
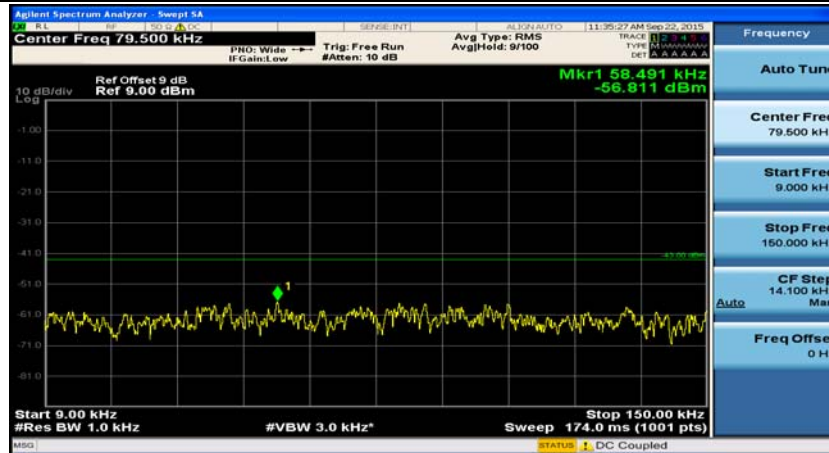


(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#37

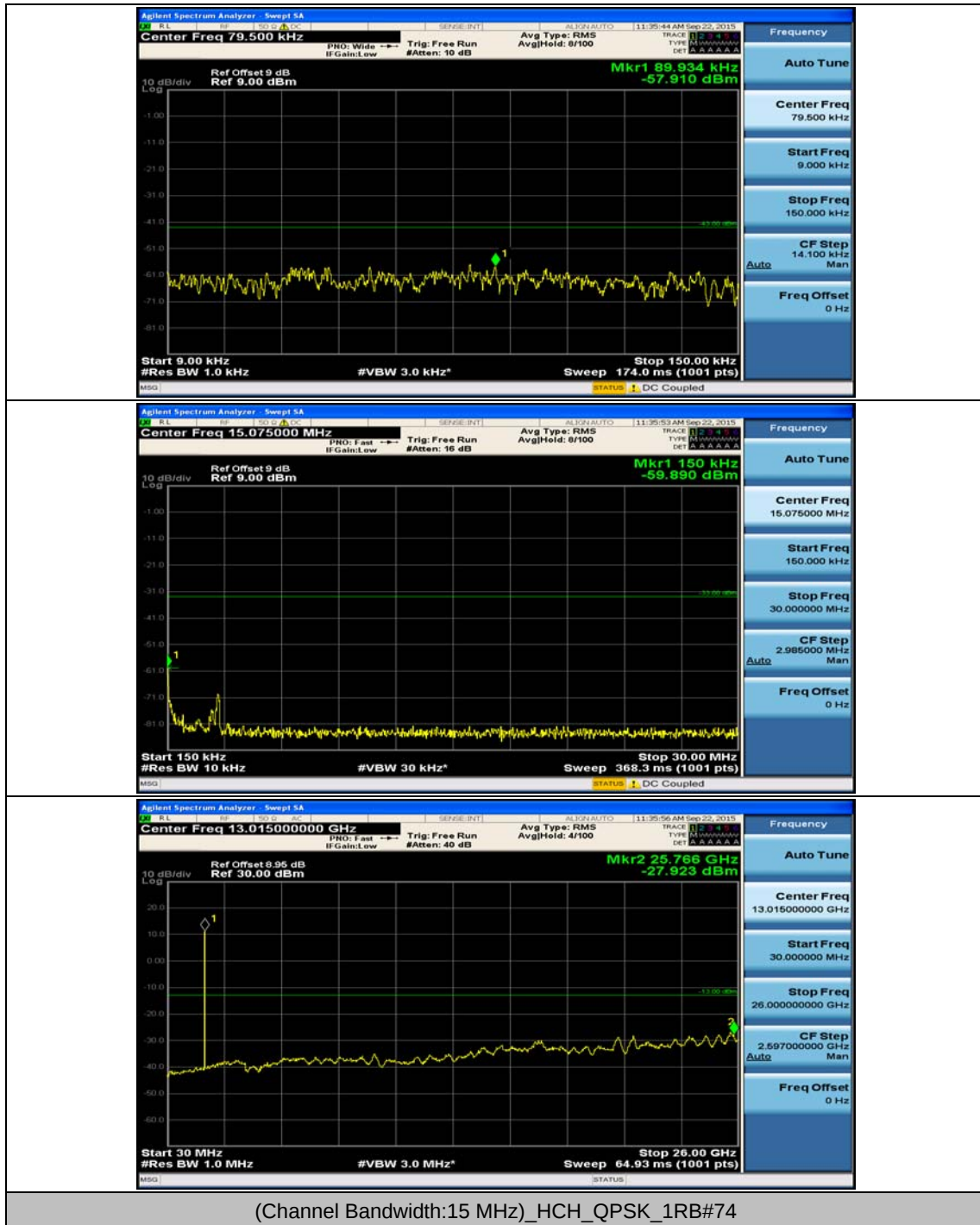


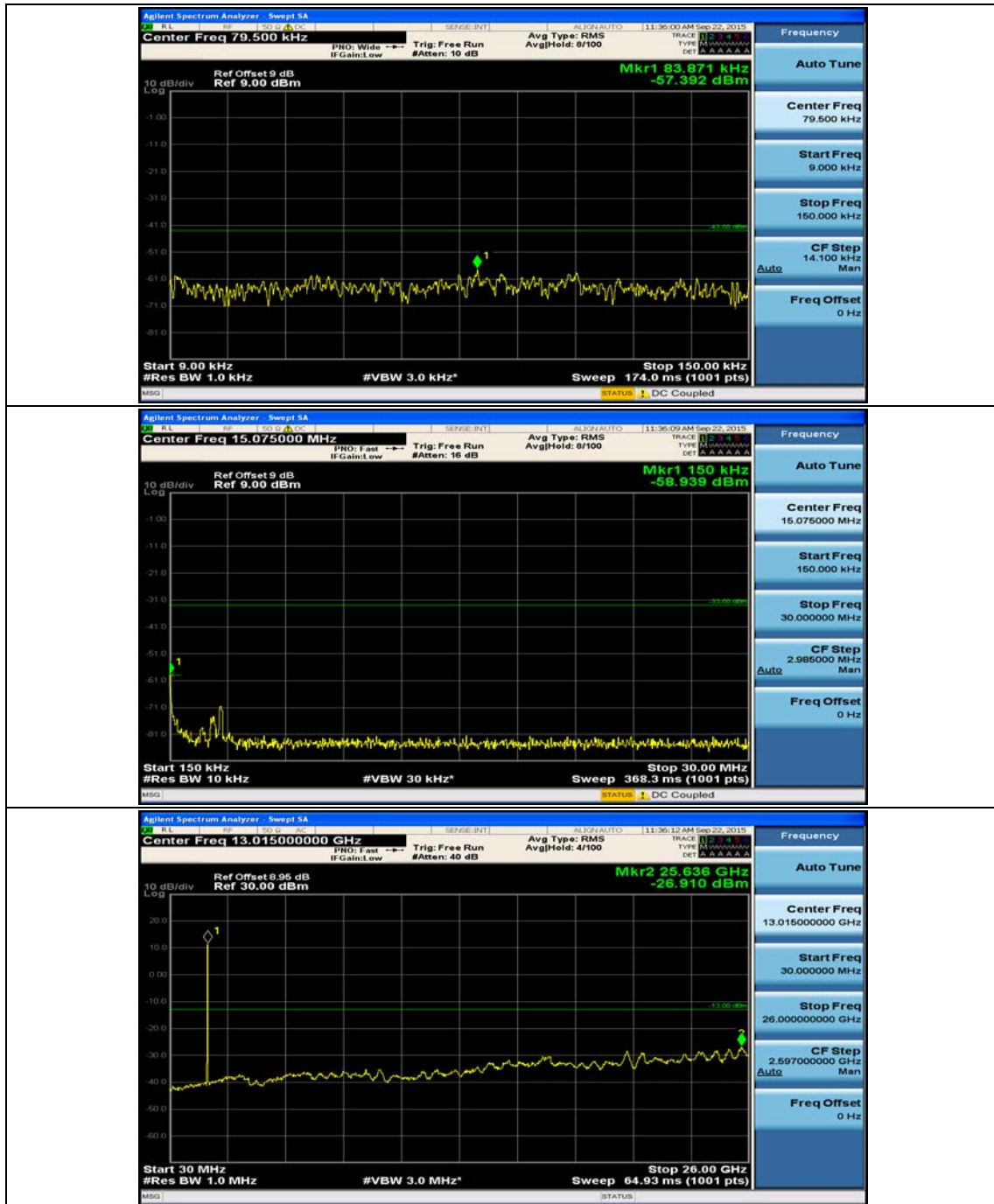


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#0

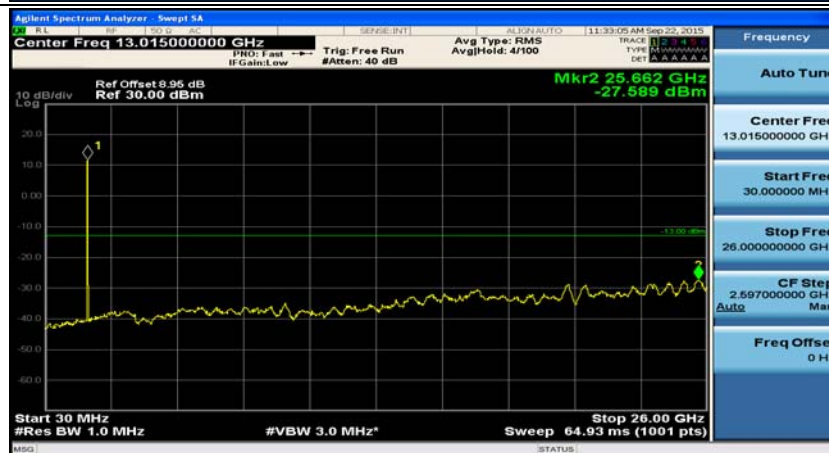
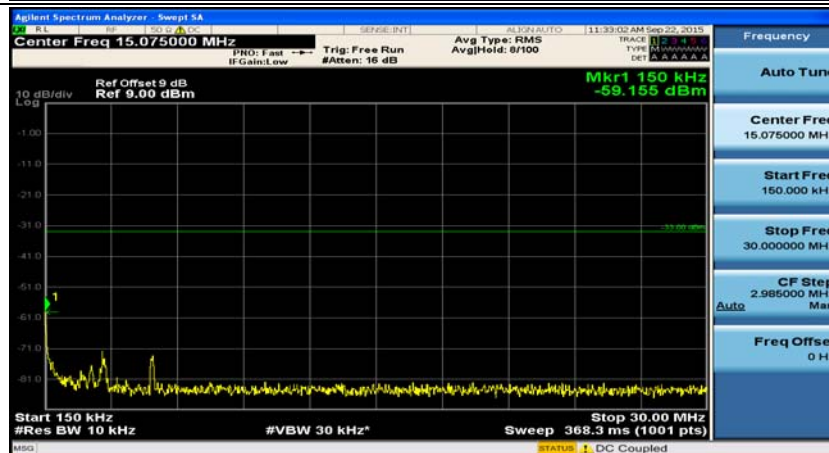
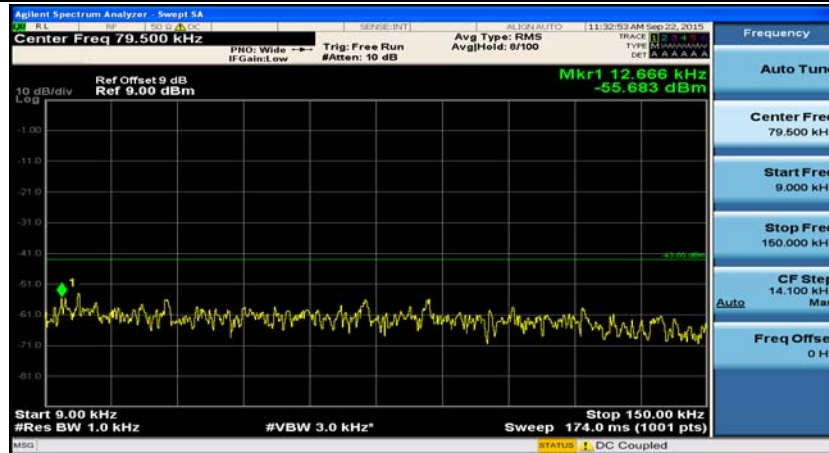


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#37

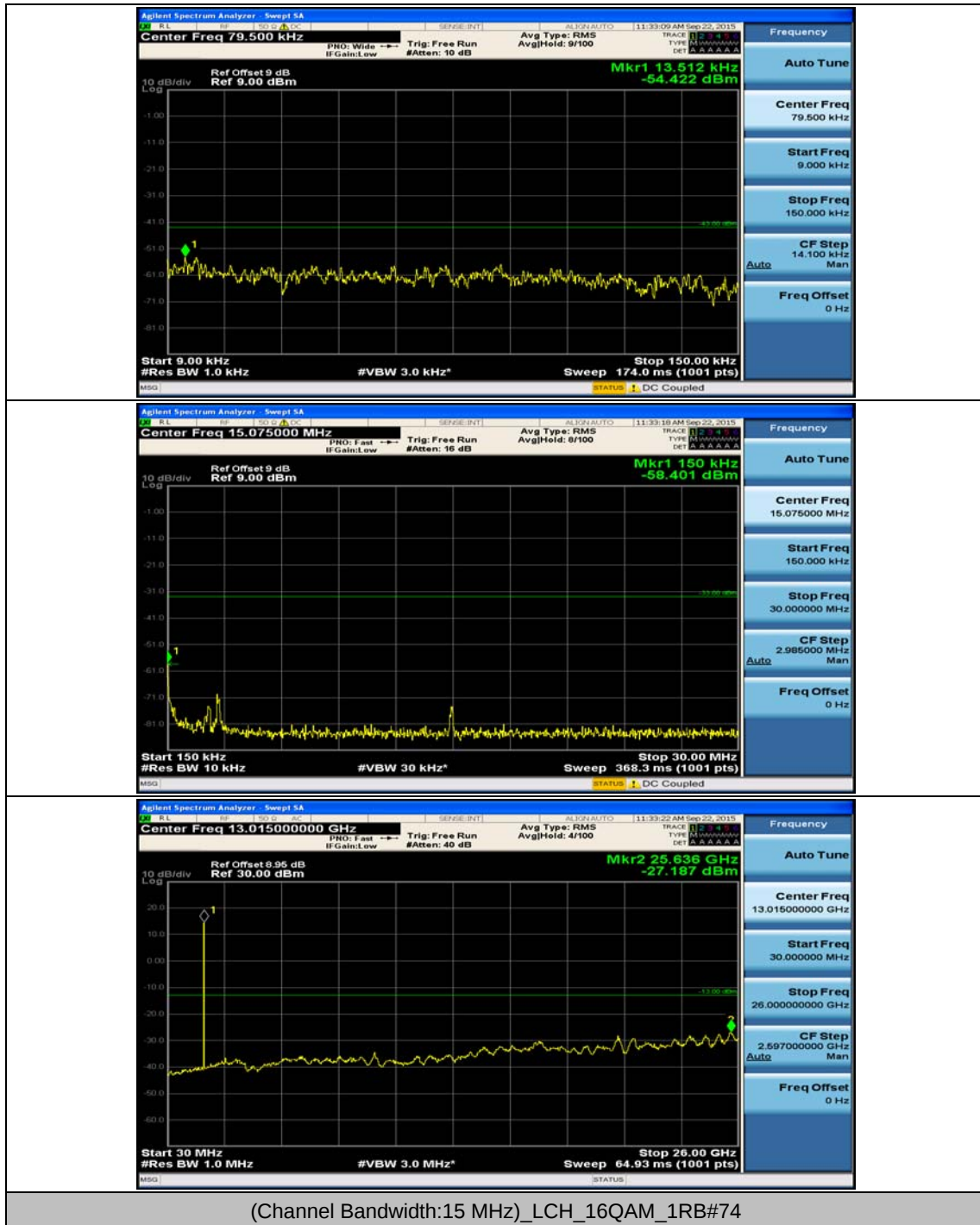


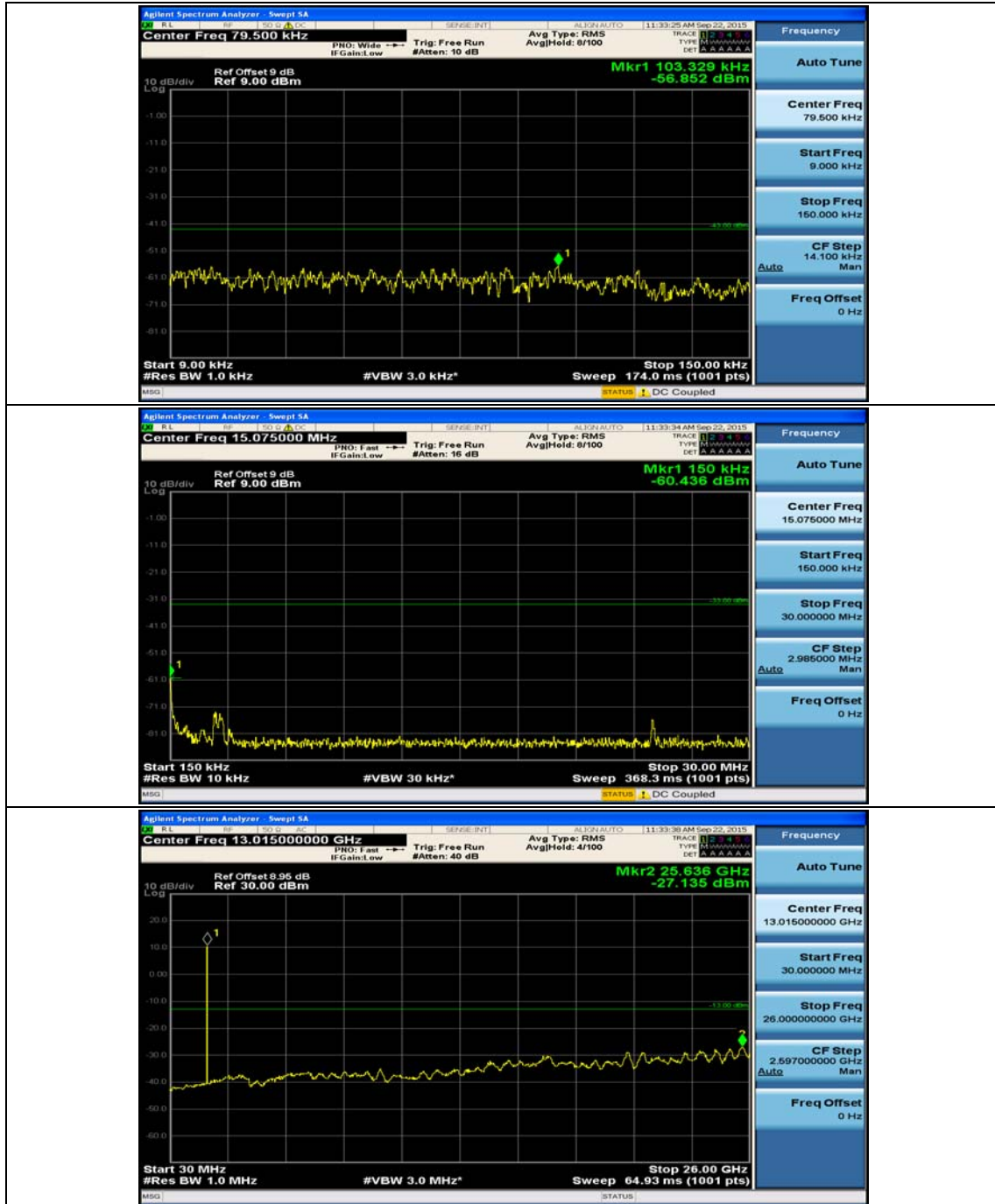


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0

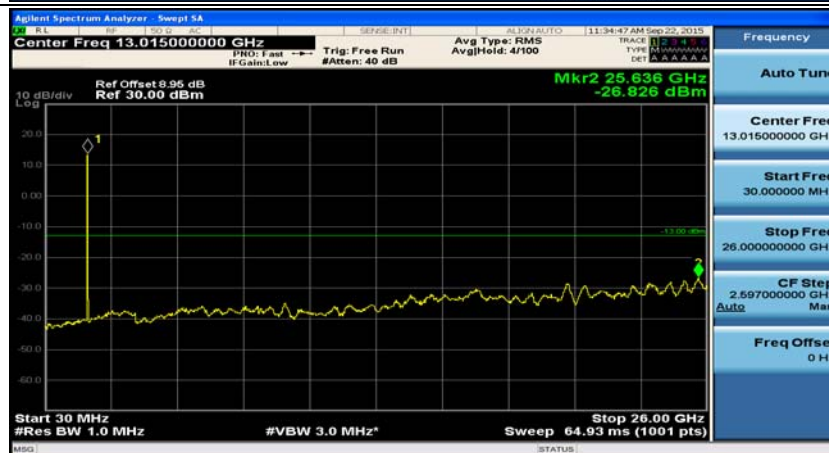
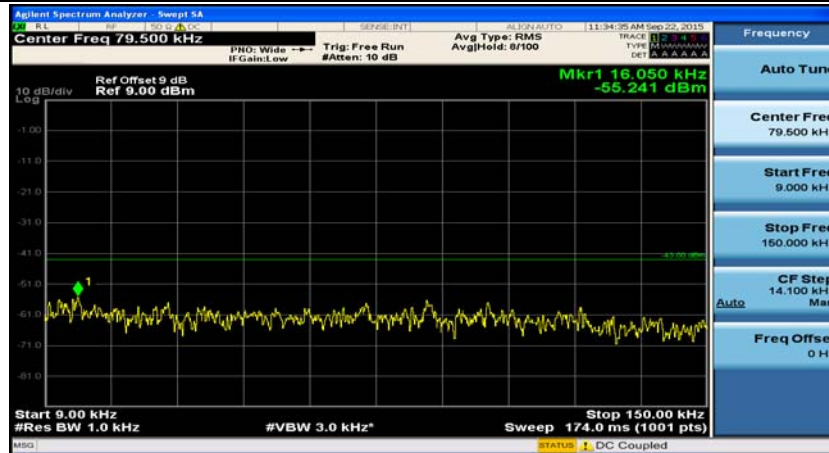


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37

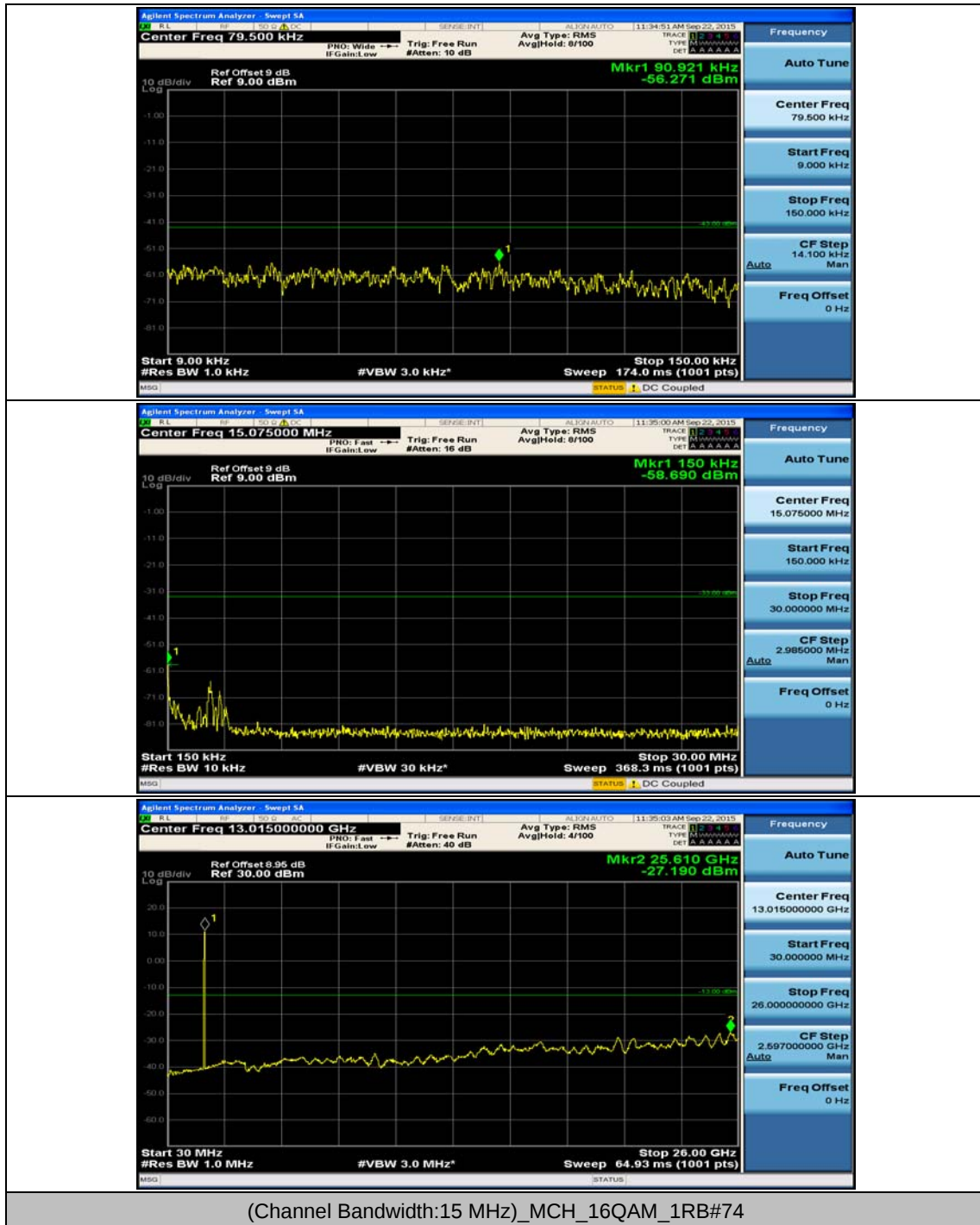


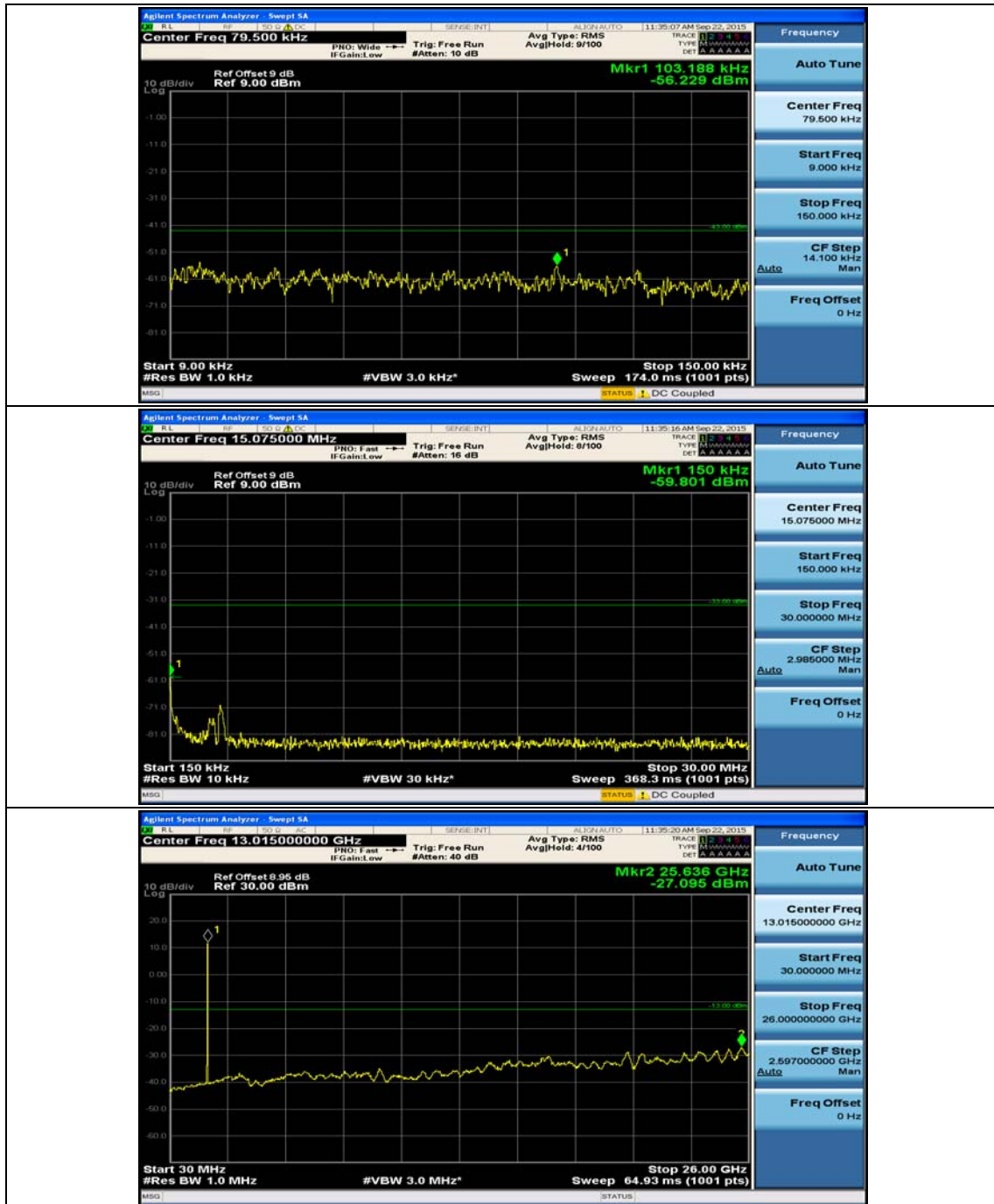


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0

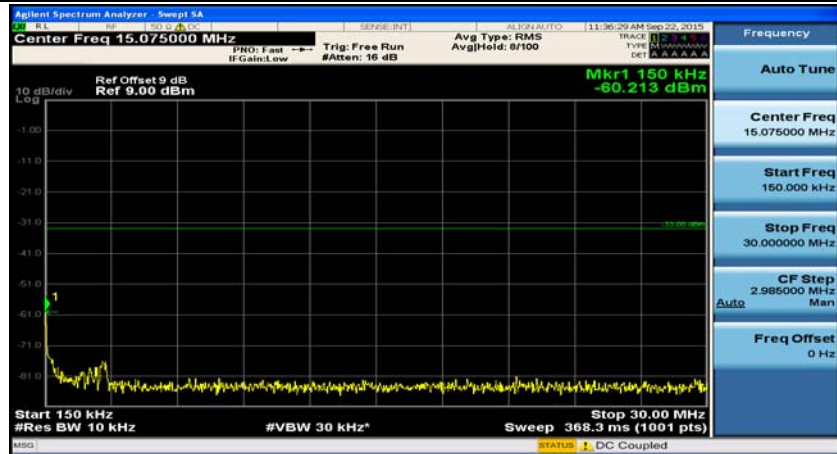
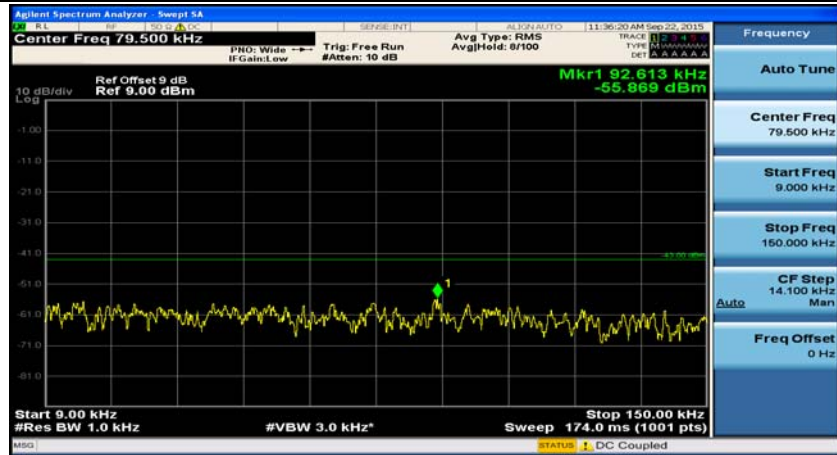


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37

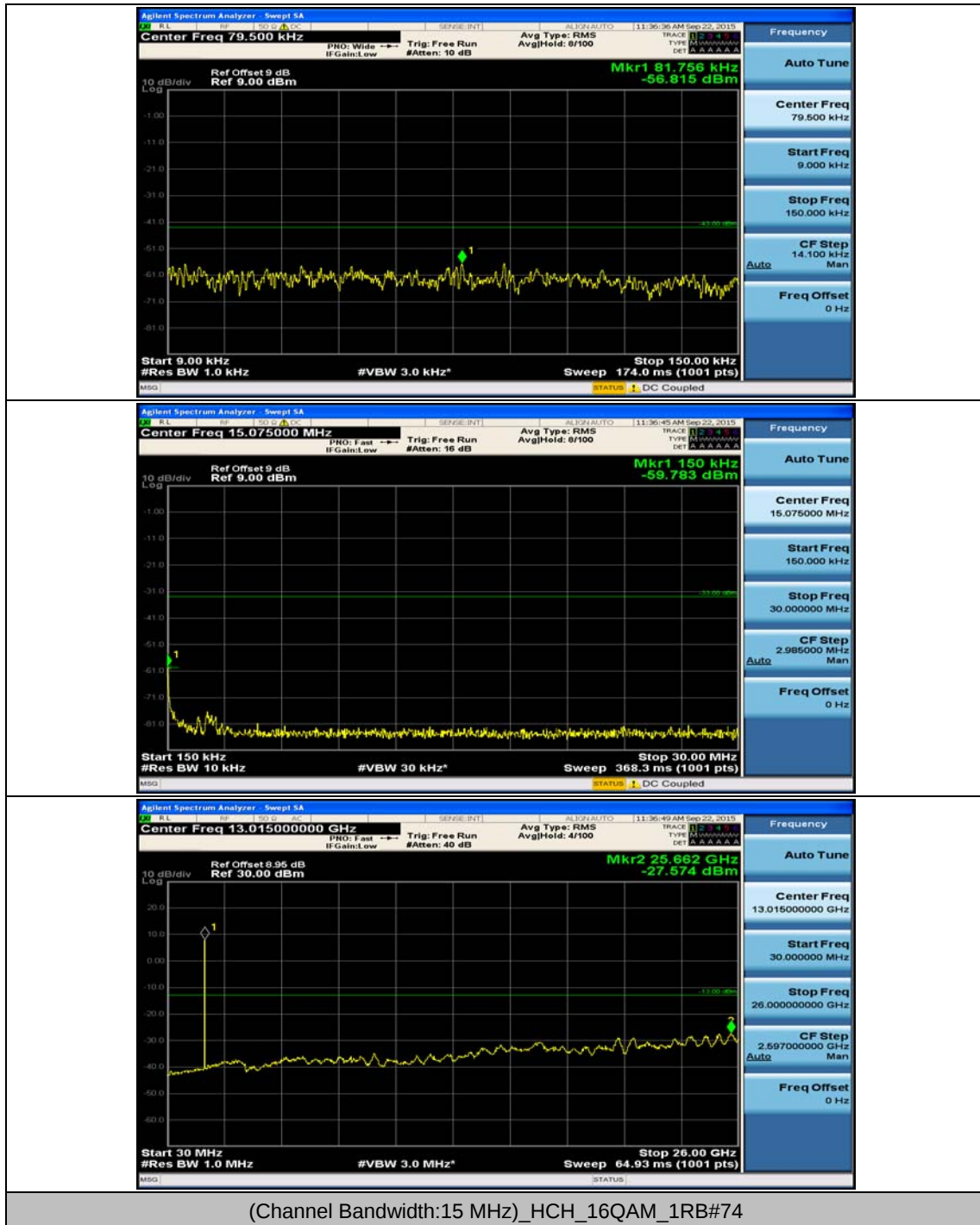


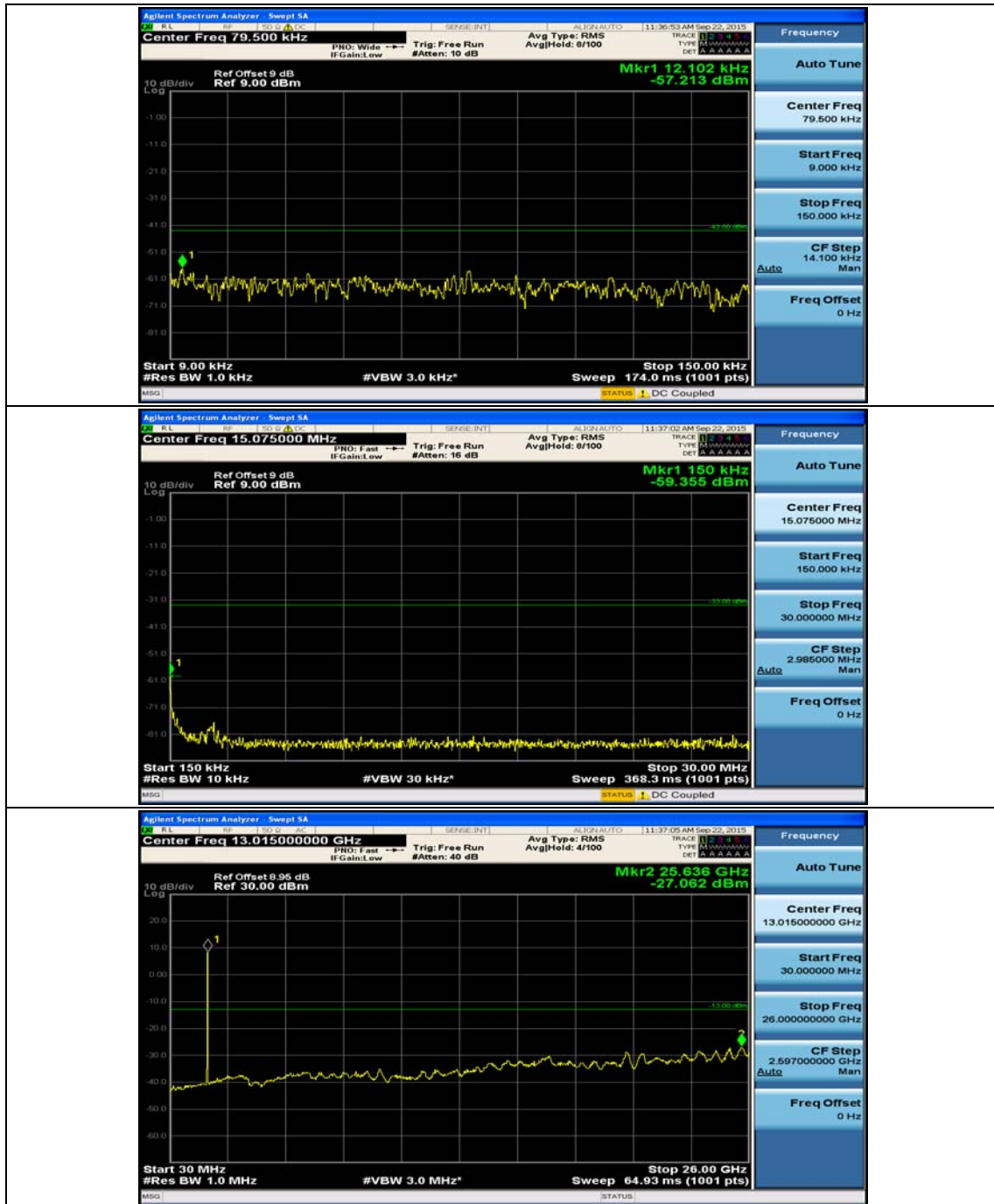


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0



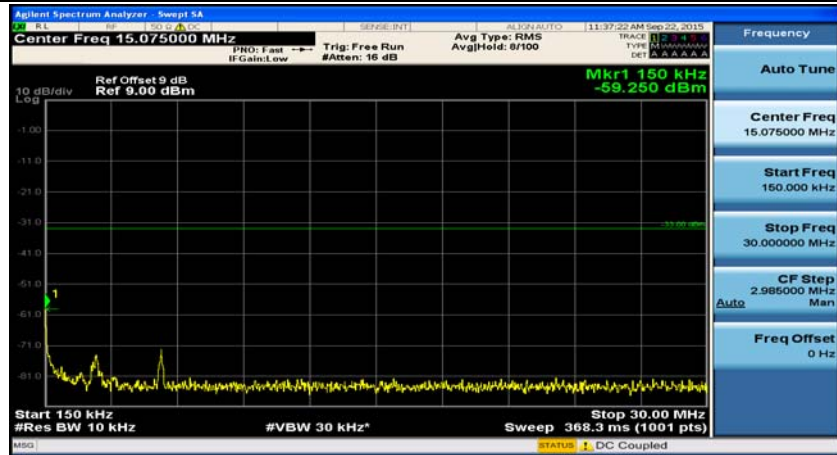
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37



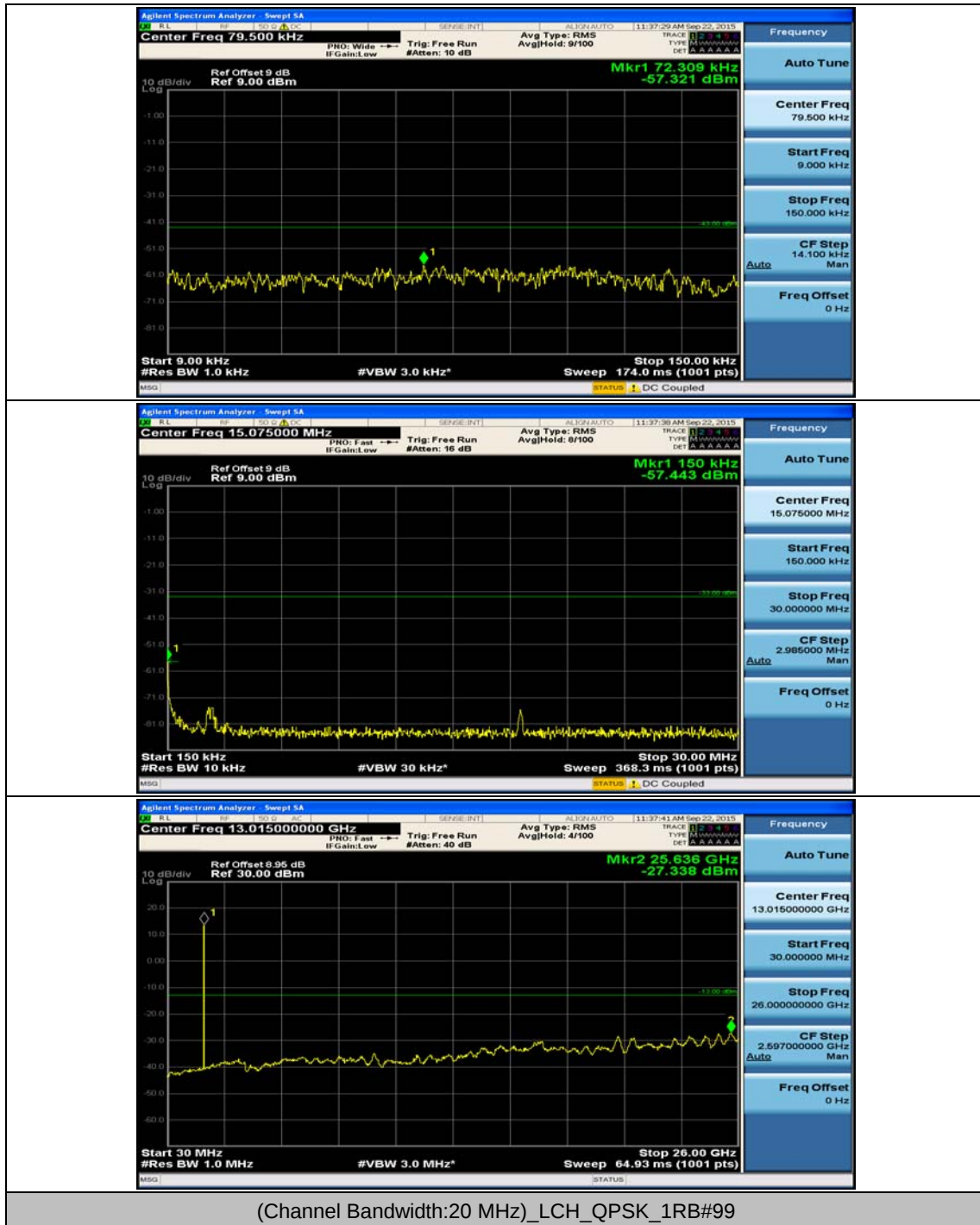


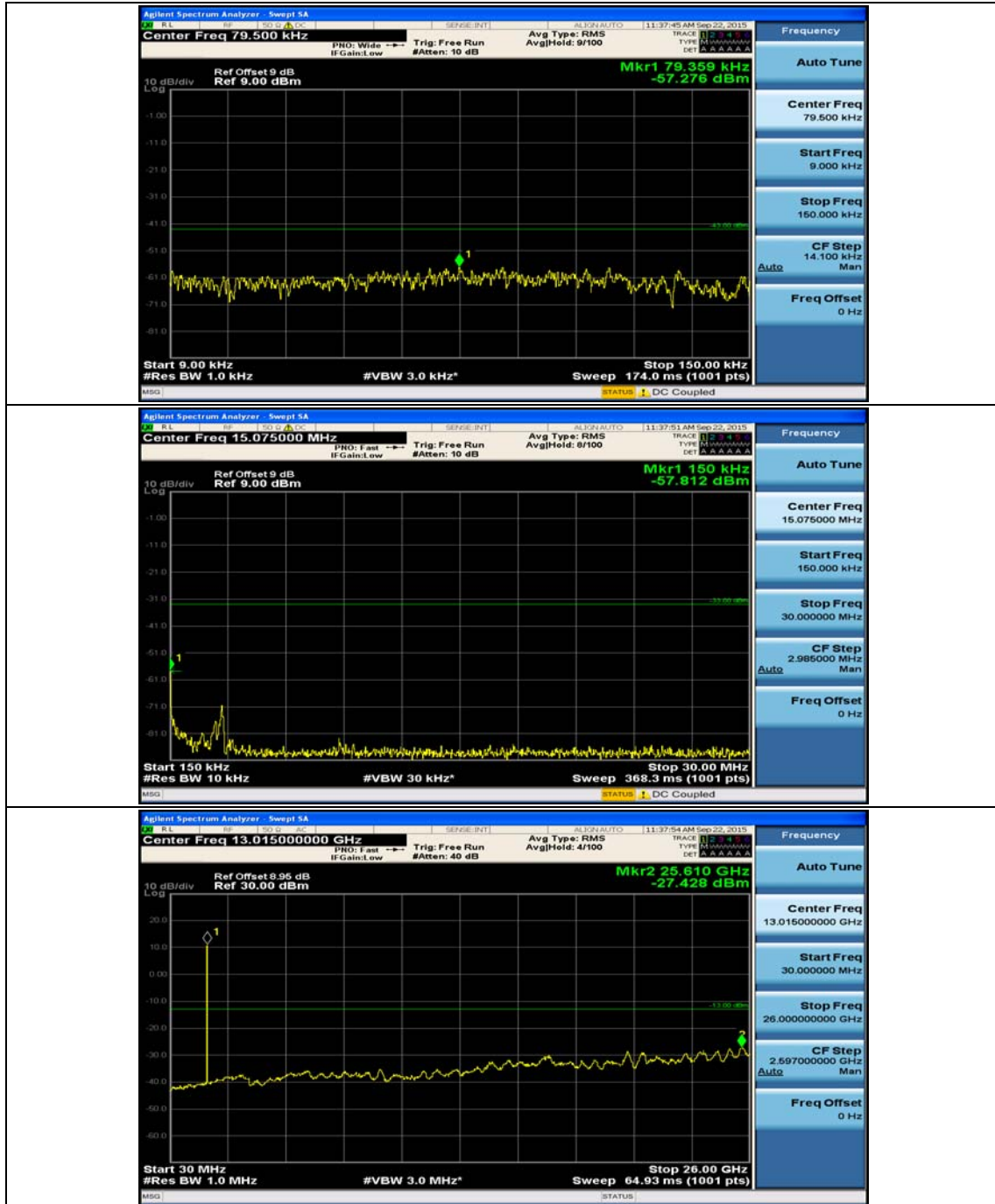
## Channel Bandwidth: 20 MHz

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

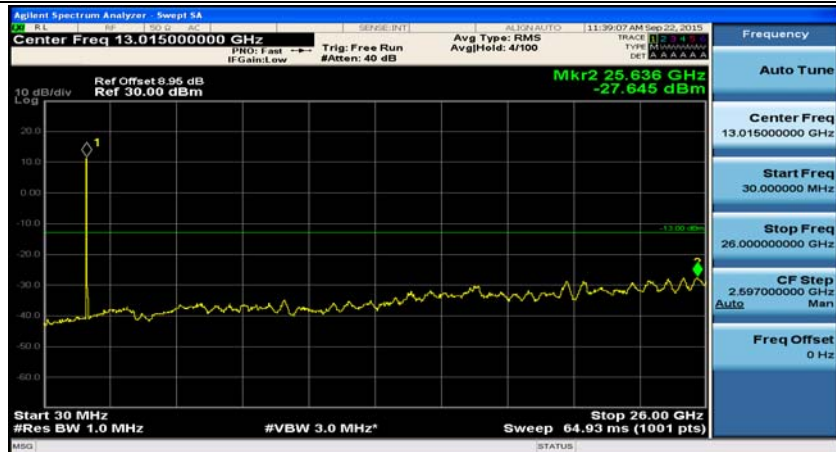
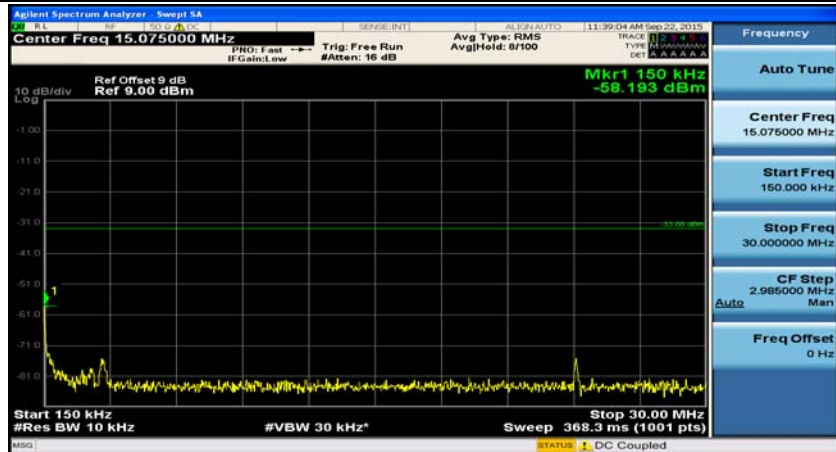
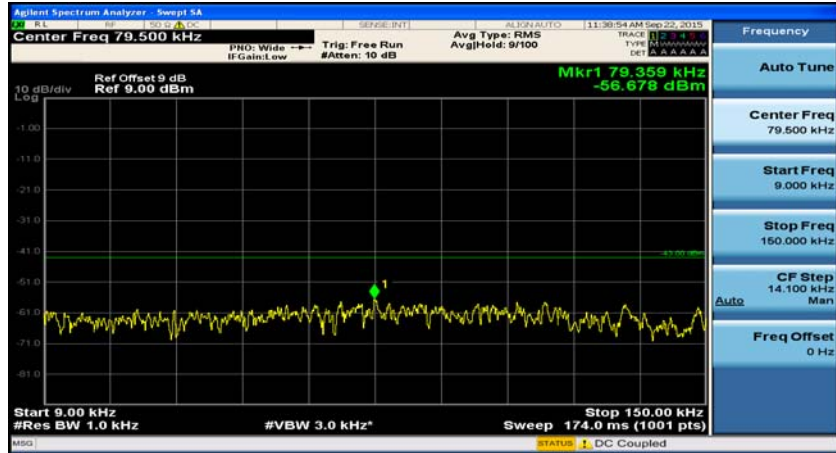


(Channel Bandwidth:20 MHz)\_LCH\_QPSK\_1RB#49

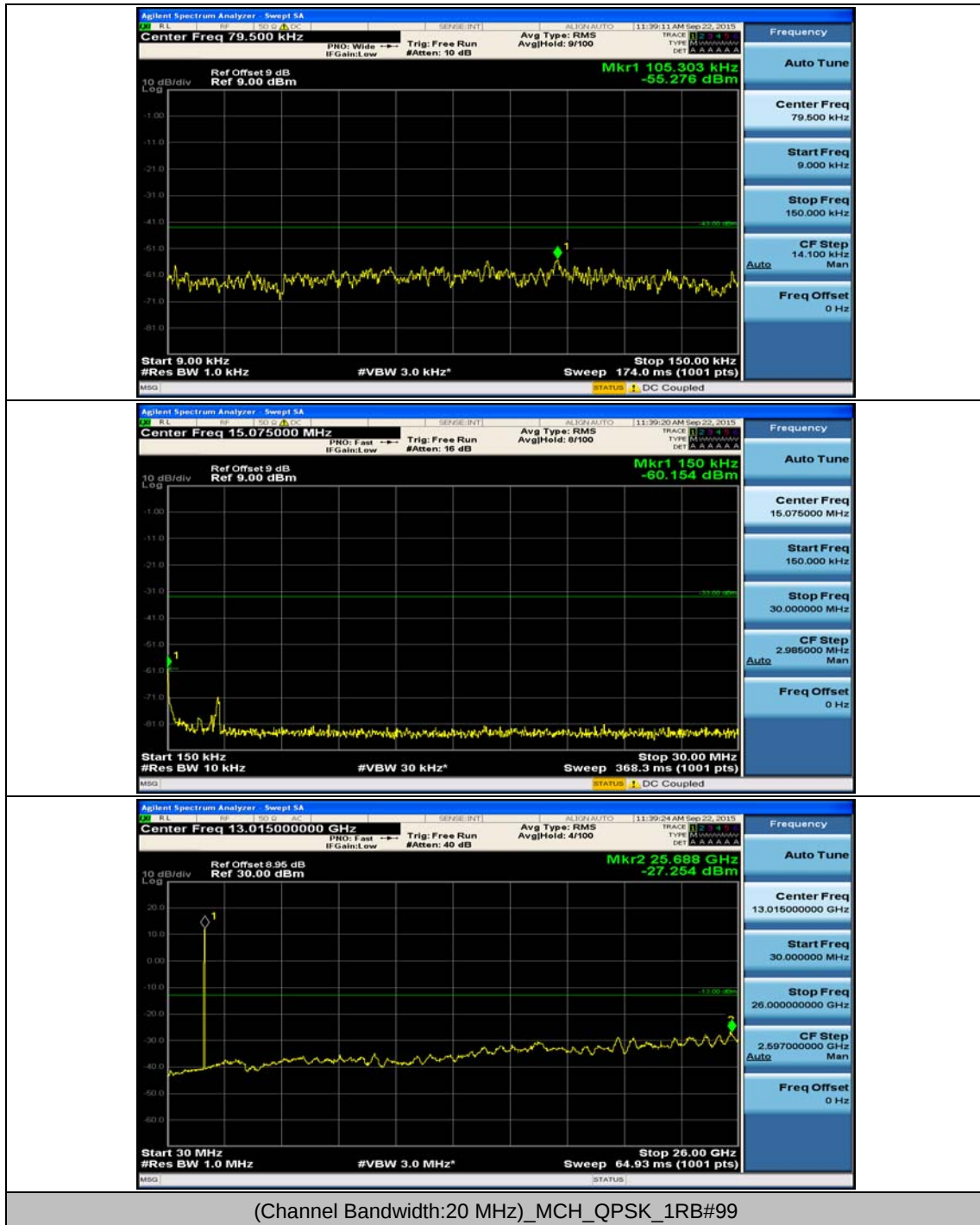


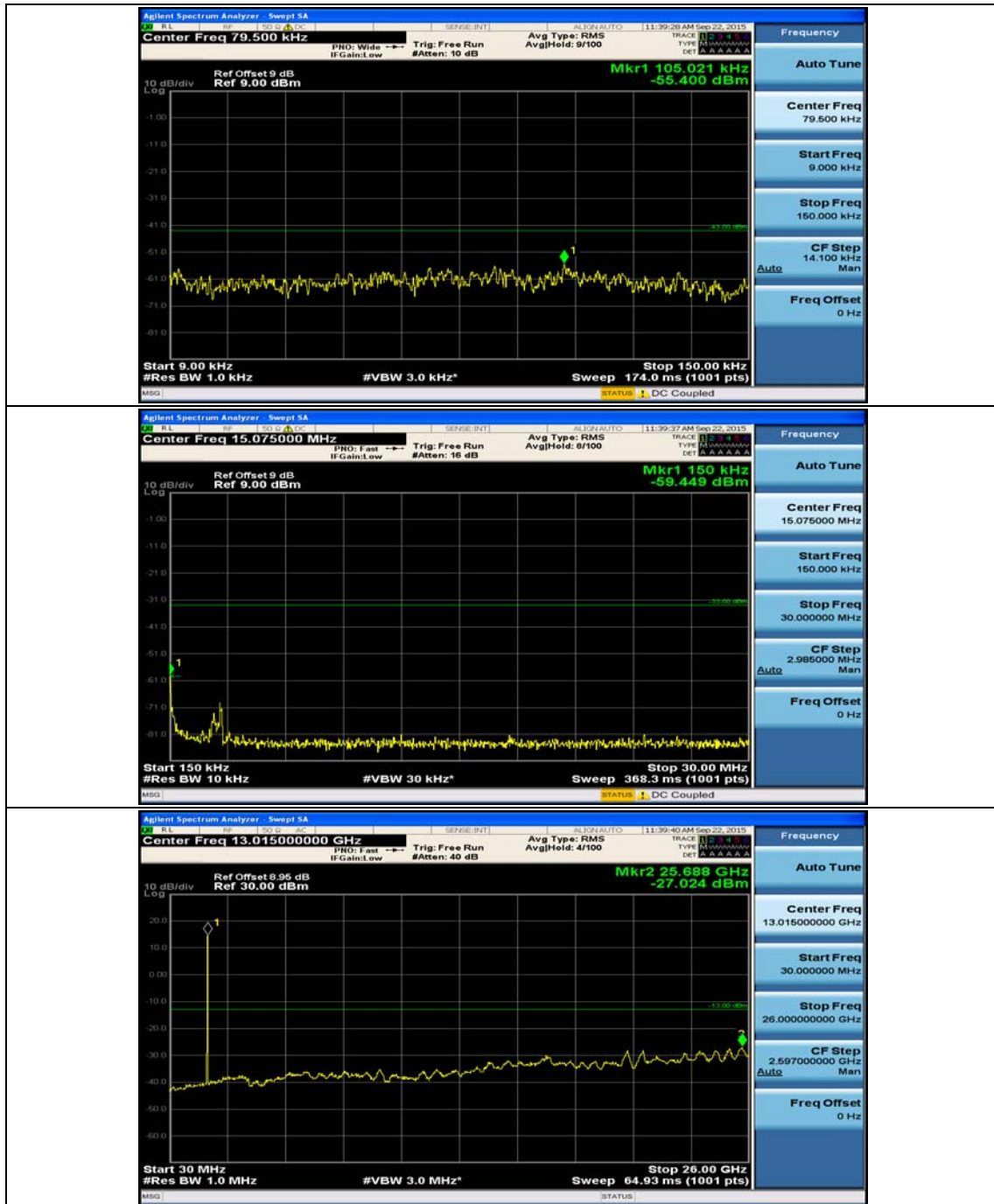


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0

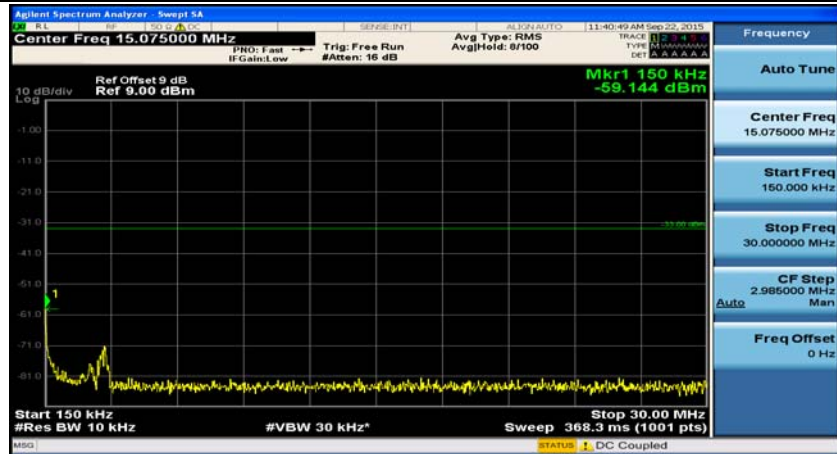
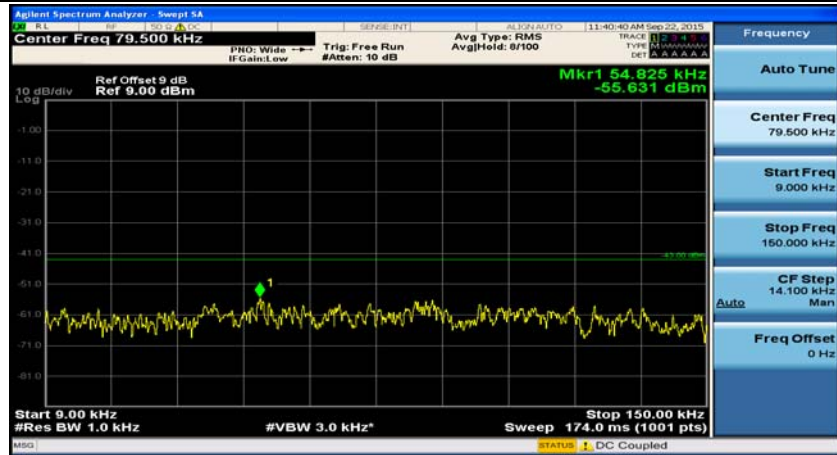


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49

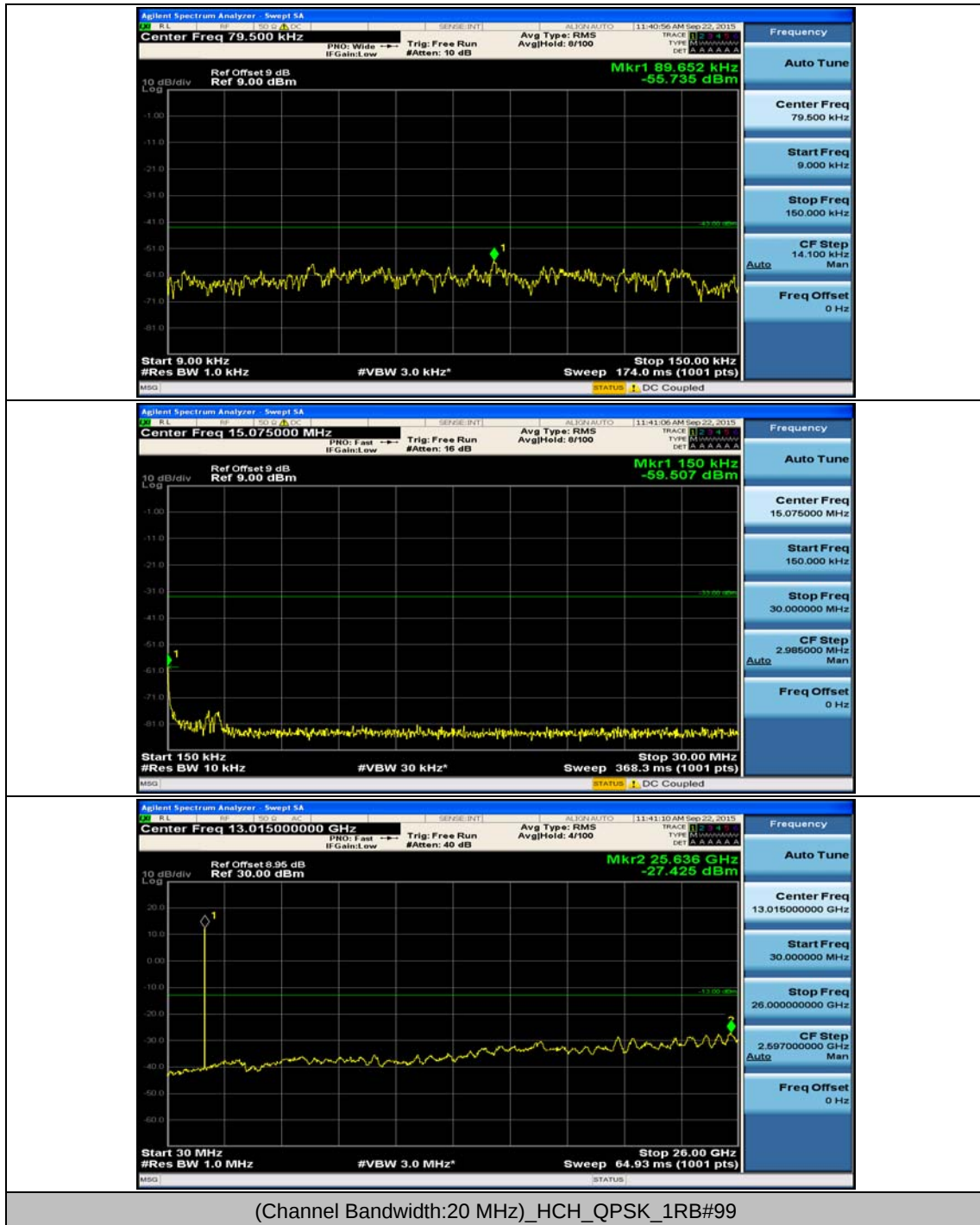


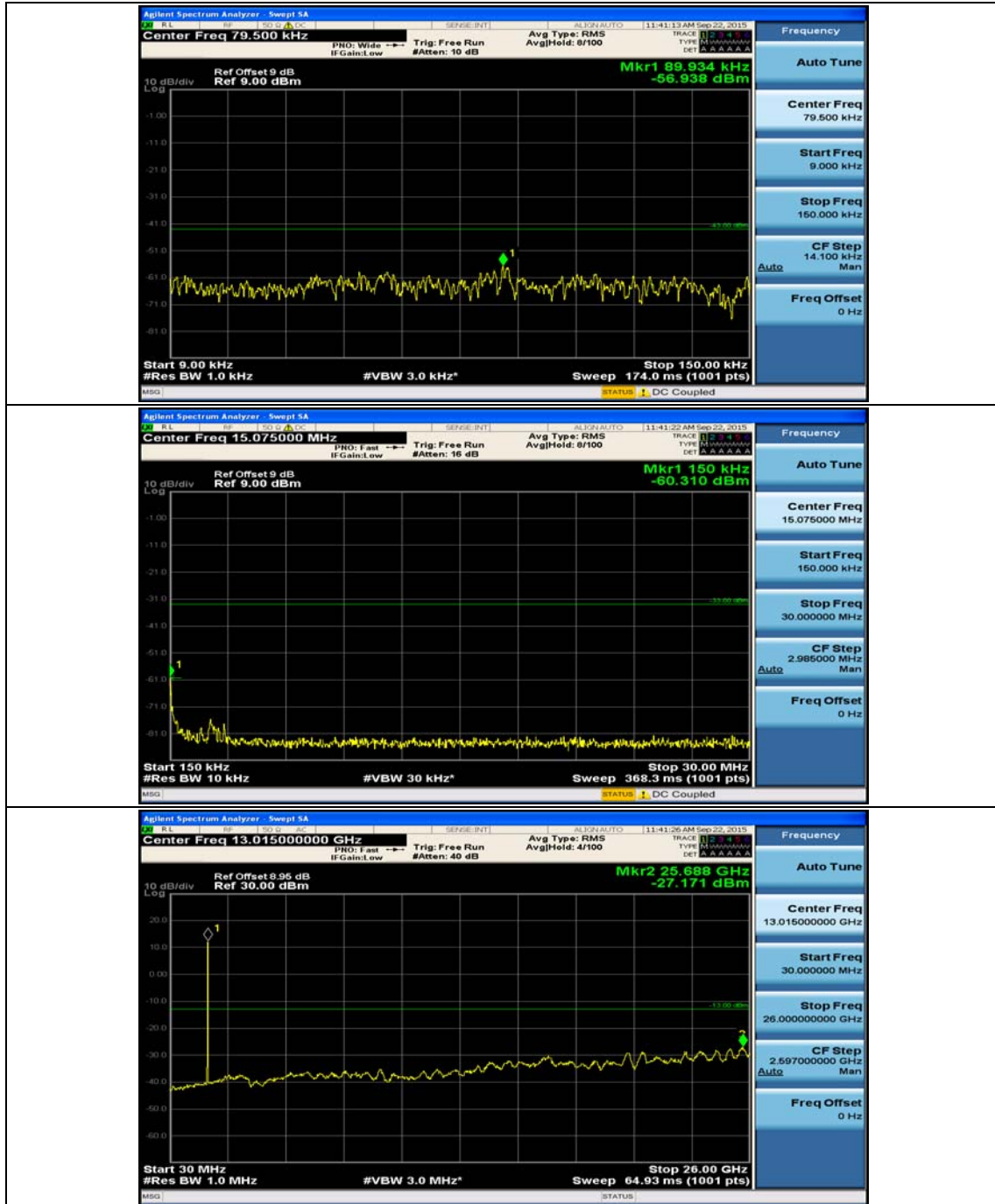


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

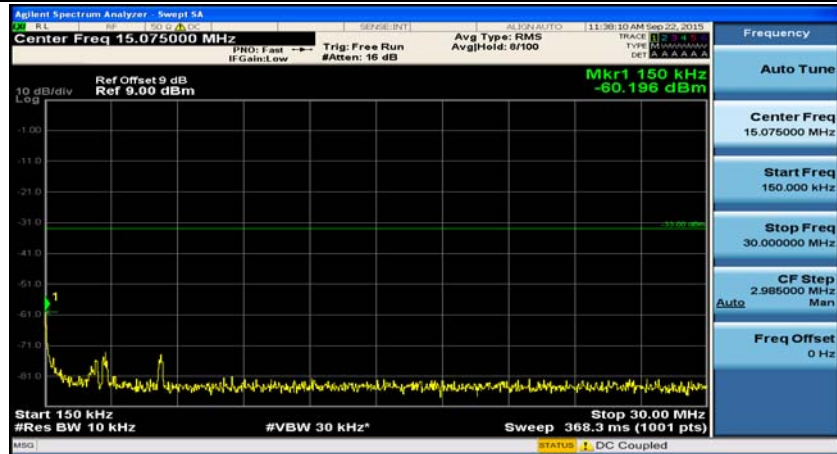
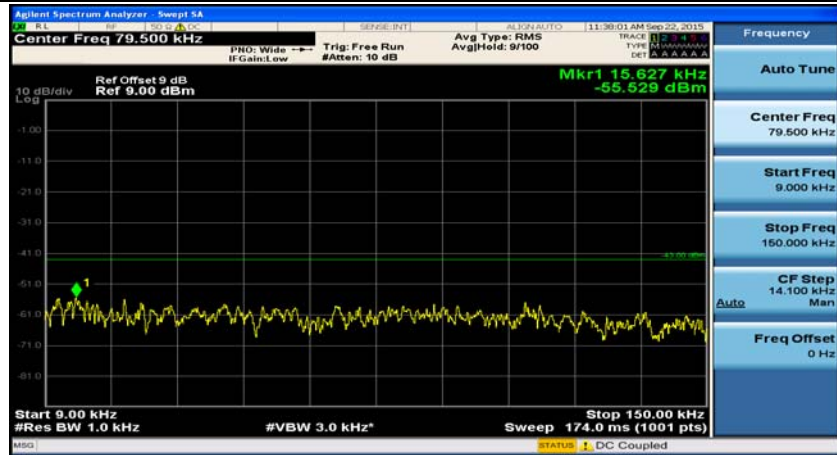


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49

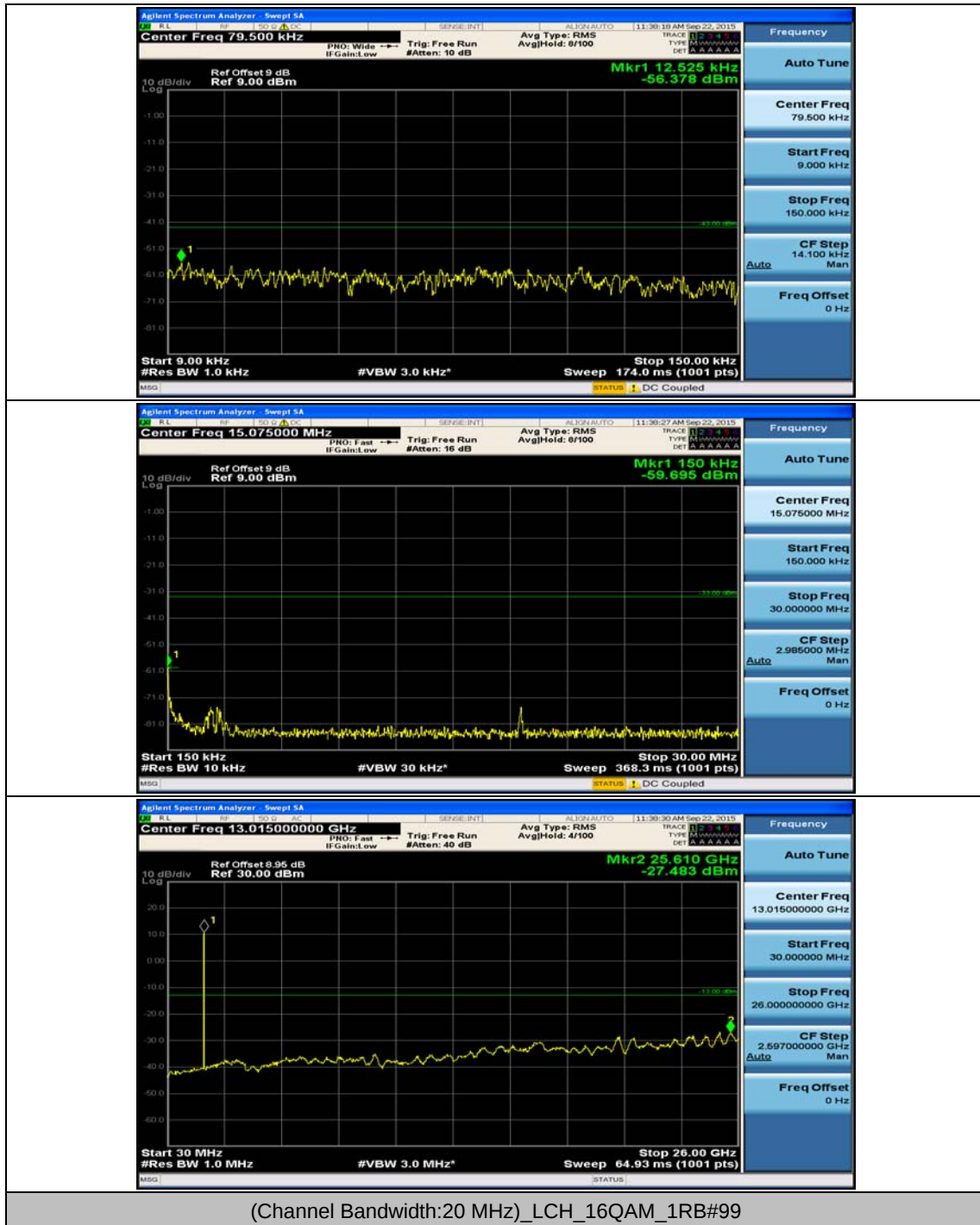


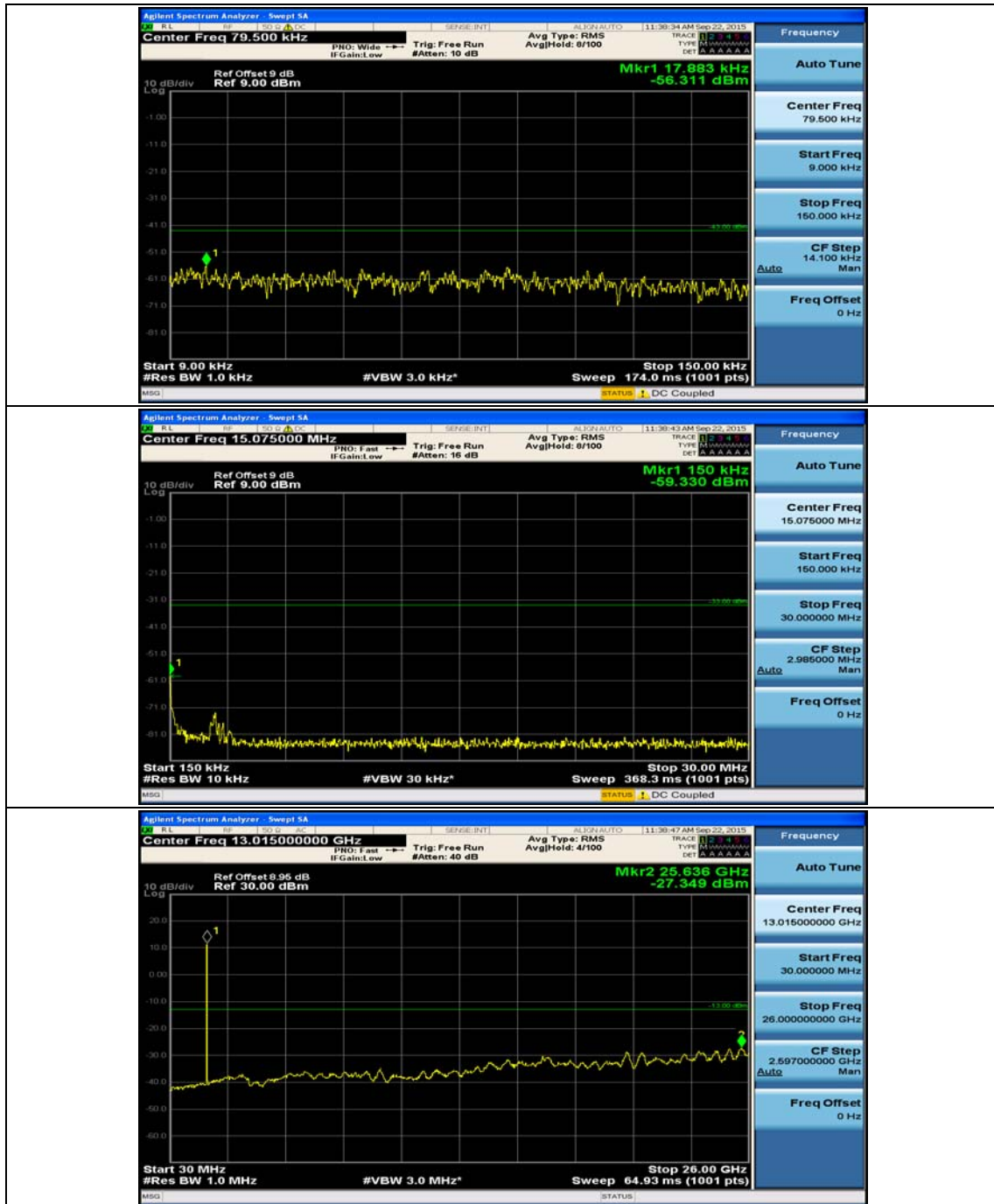


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0

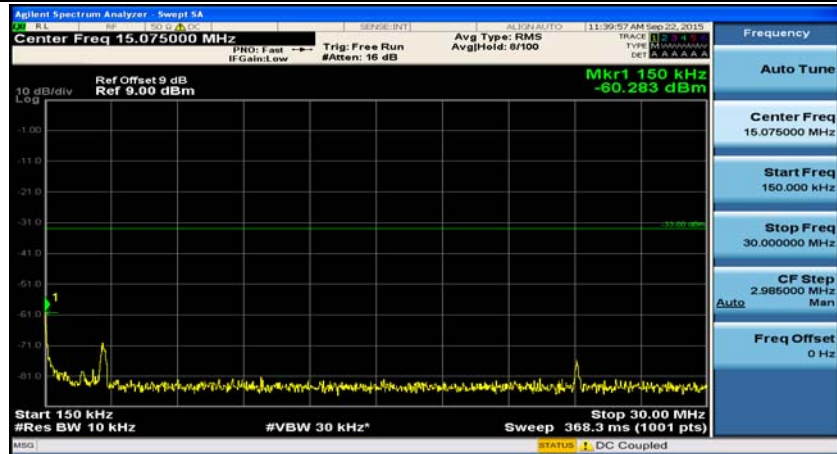
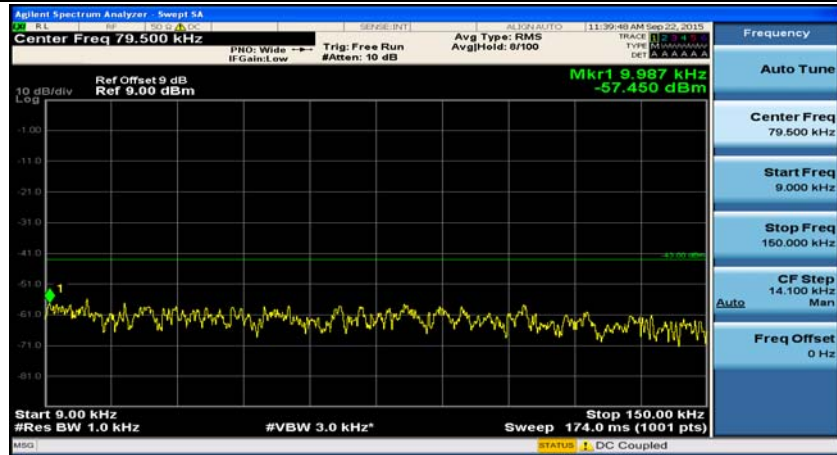


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49

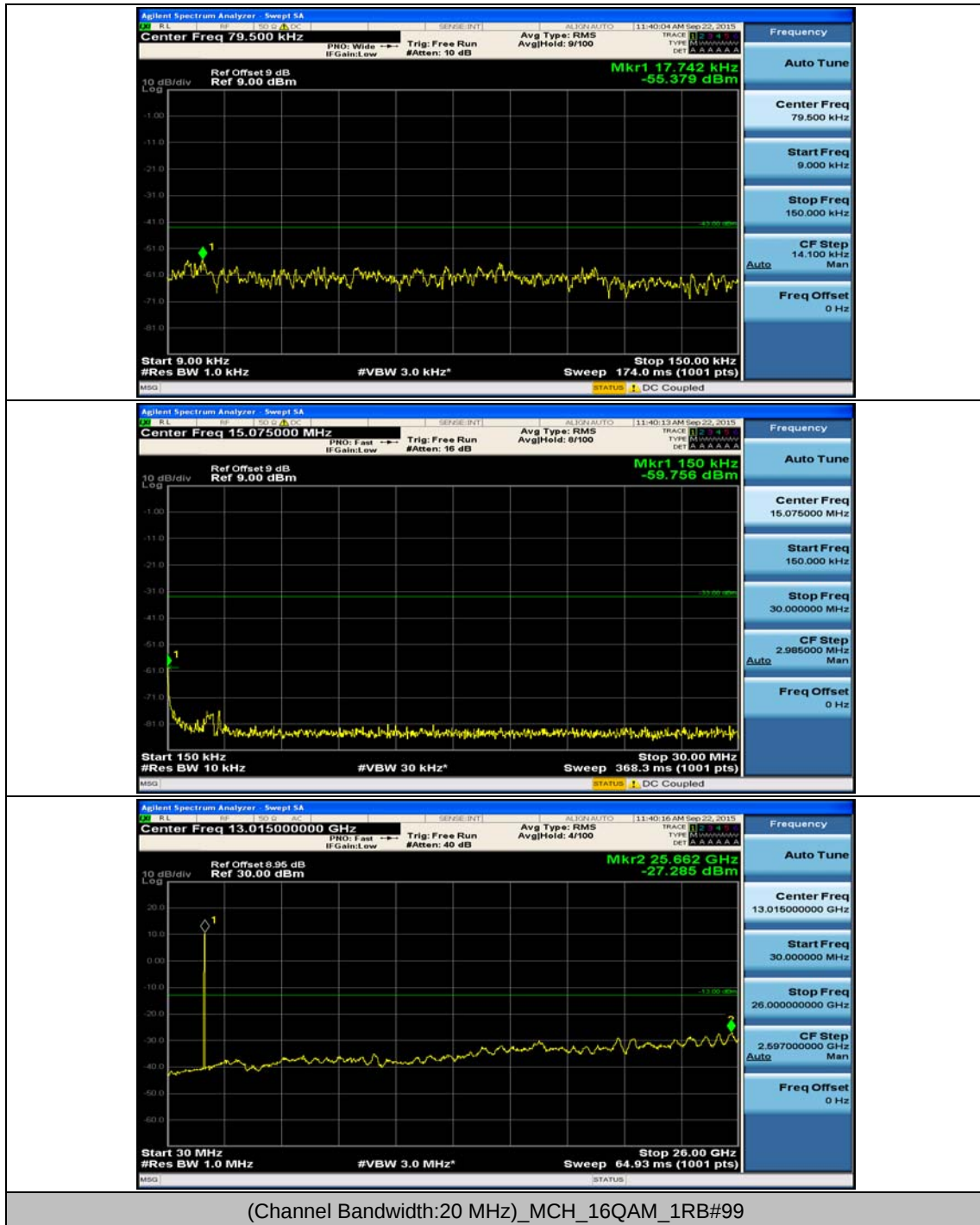


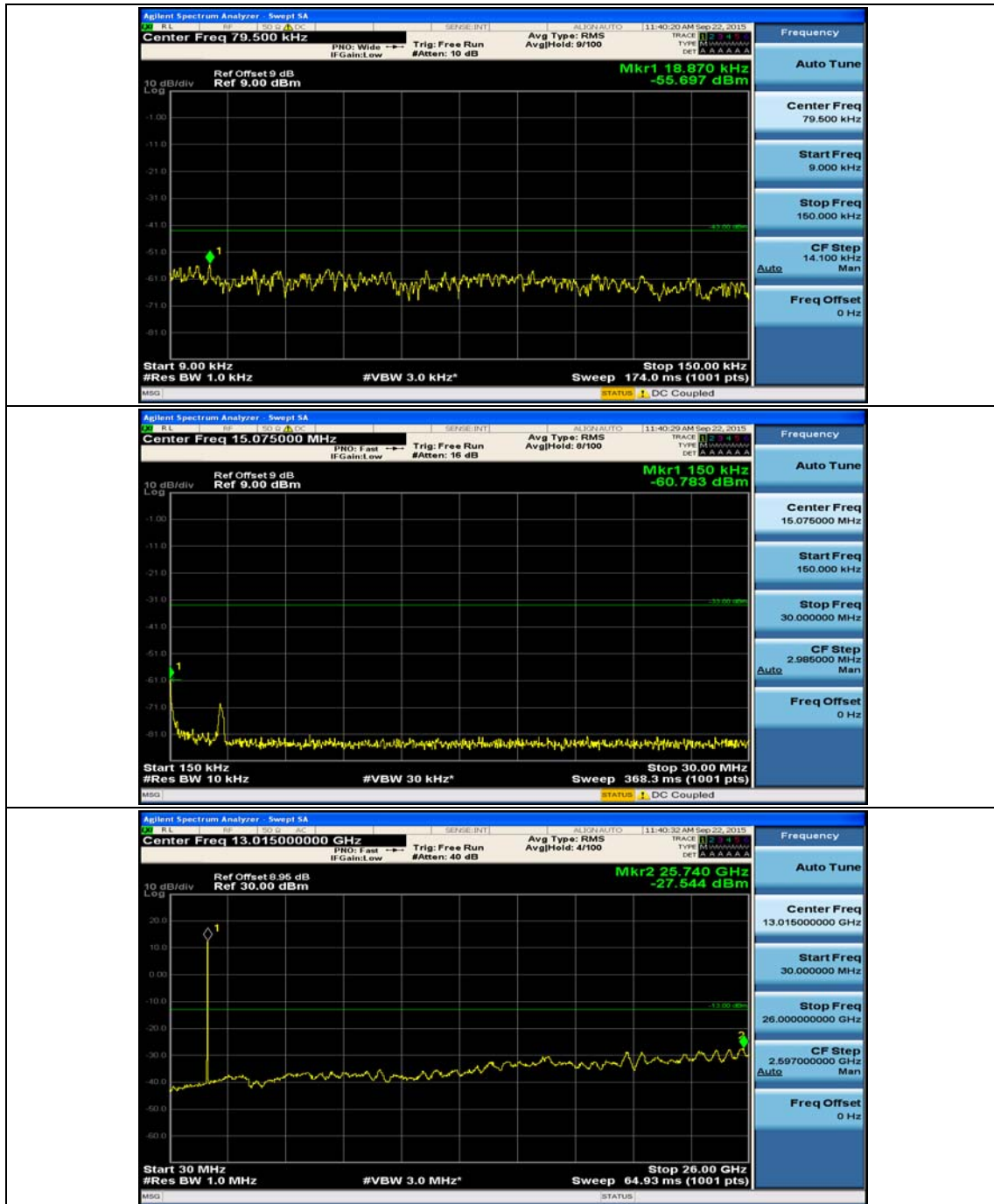


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

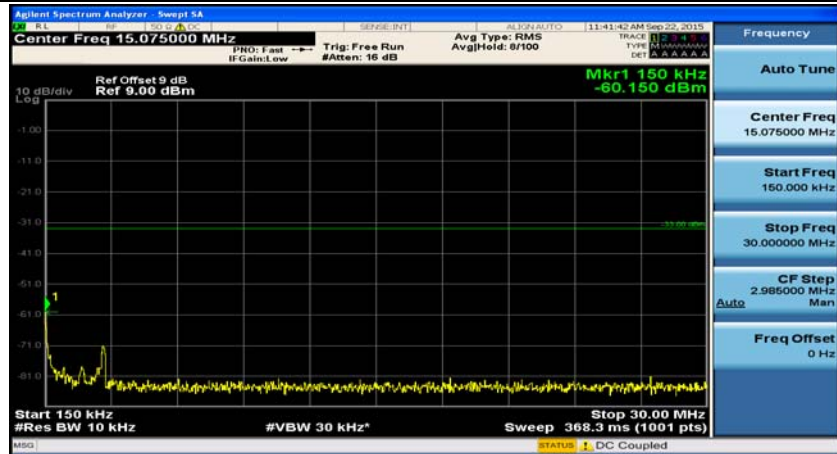
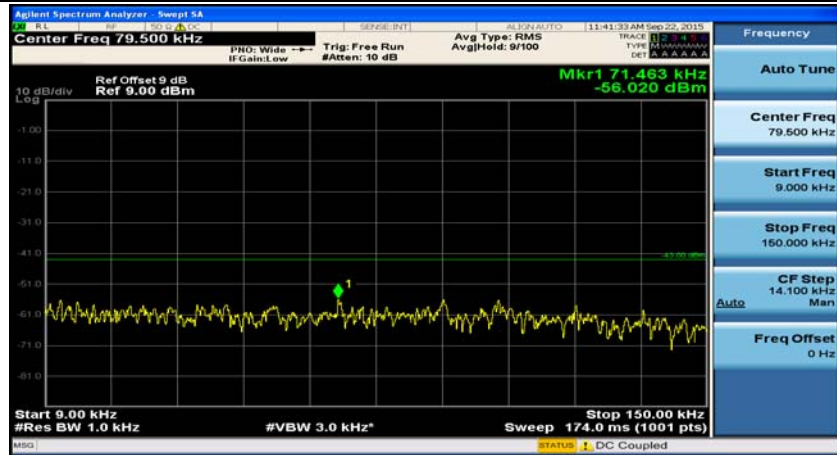


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49

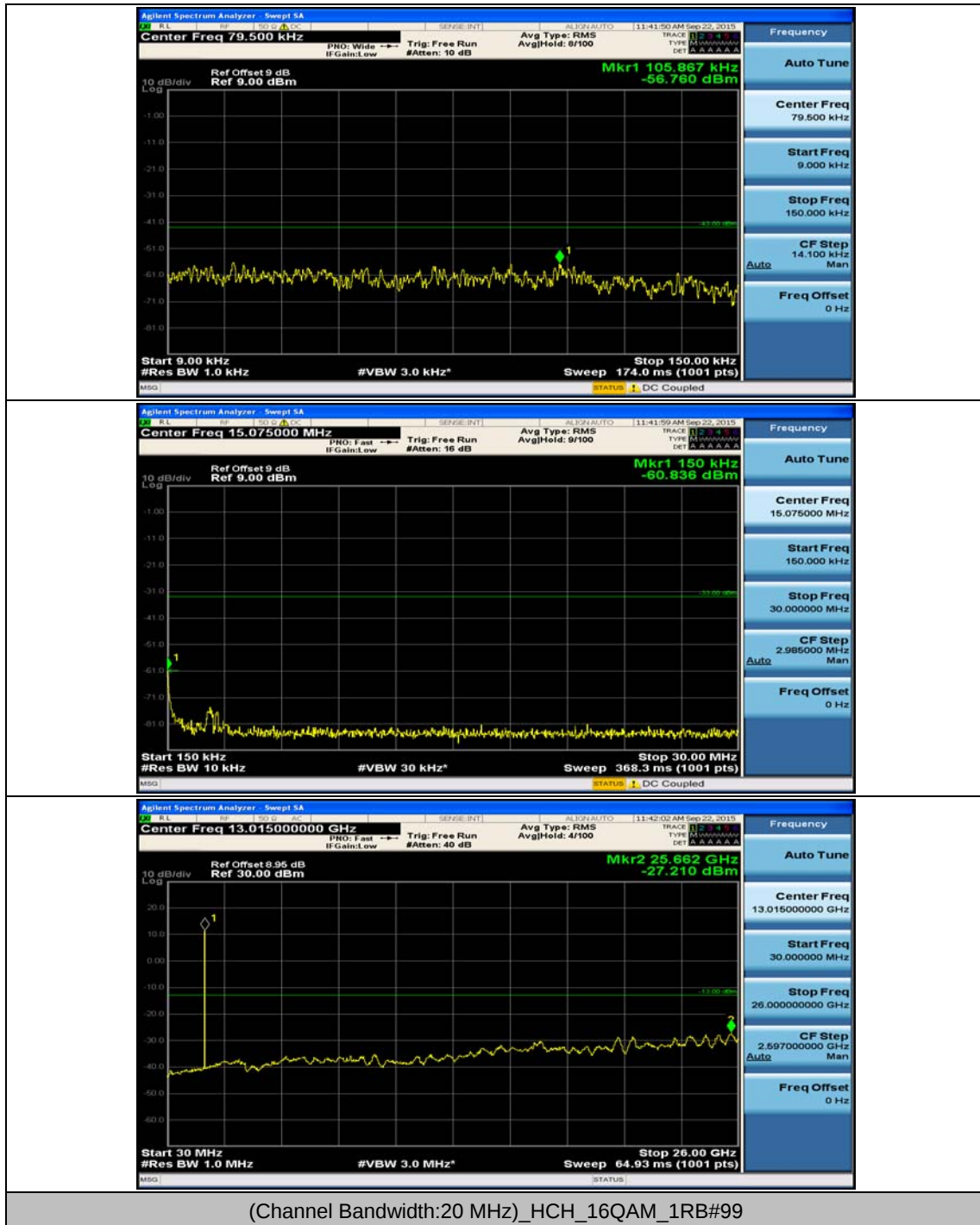


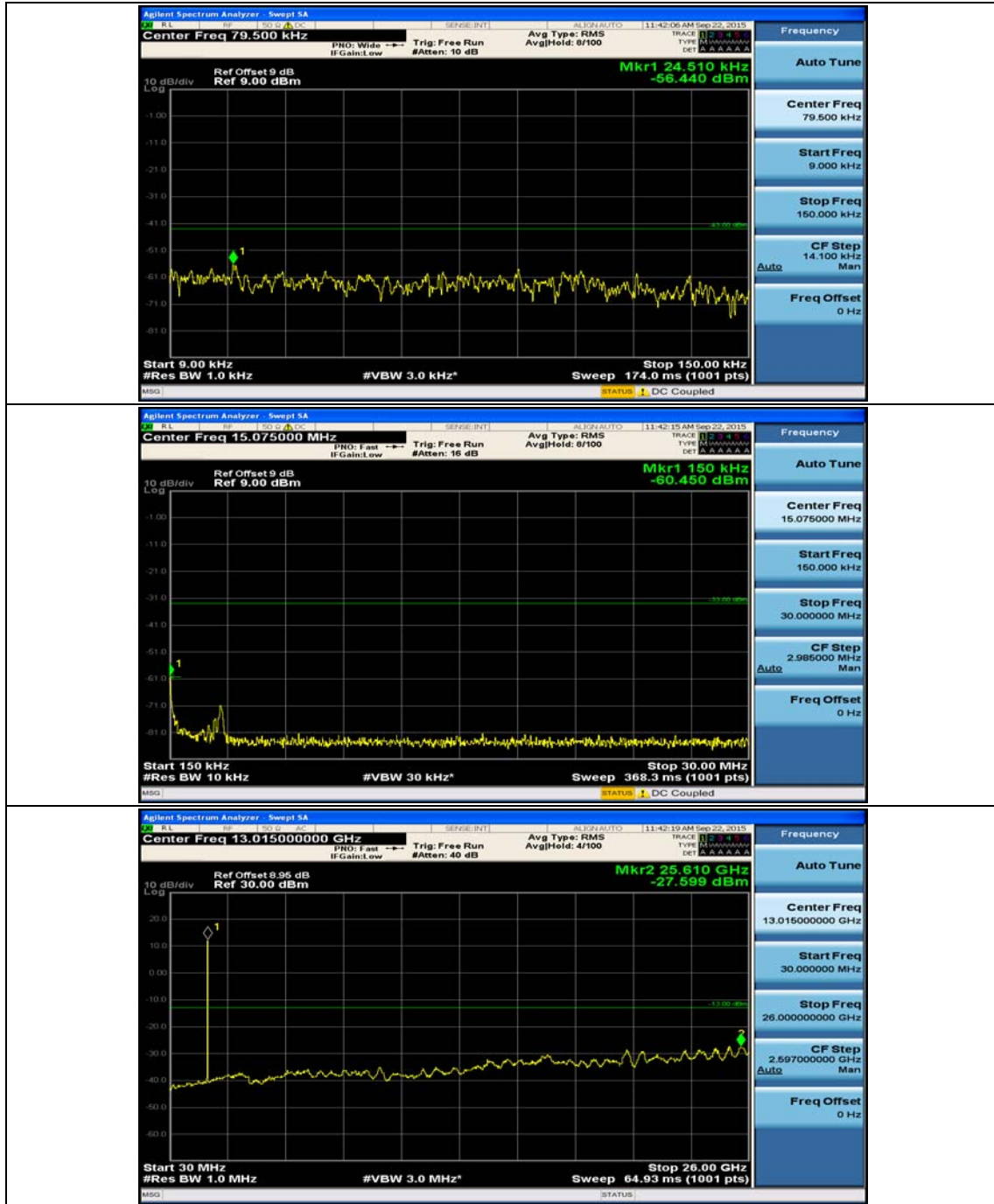


(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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               | -0.94          | -0.000552       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 1.47           | 0.000861        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 0.27           | 0.000159        | ± 2.5       | PASS    |
|                            | MCH     | VL            | TN               | 1.99           | 0.001148        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 1.07           | 0.000619        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -0.29          | -0.000165       | ± 2.5       | PASS    |
|                            | HCH     | VL            | TN               | 3.58           | 0.002039        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -2.26          | -0.001288       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 3.93           | 0.002242        | ± 2.5       | PASS    |
| 16QAM                      | LCH     | VL            | TN               | -1.13          | -0.000661       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 2.09           | 0.001221        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -2.65          | -0.001547       | ± 2.5       | PASS    |
|                            | MCH     | VL            | TN               | -1.97          | -0.001139       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 1.09           | 0.000628        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -2.03          | -0.001172       | ± 2.5       | PASS    |
|                            | HCH     | VL            | TN               | -2.00          | -0.001142       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 0.26           | 0.000147        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -1.99          | -0.001133       | ± 2.5       | PASS    |
| Temperature                |         |               |                  |                |                 |             |         |
| Modulation                 | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                       | LCH     | VN            | -30              | -0.33          | -0.000192       | ± 2.5       | PASS    |
|                            |         | VN            | -20              | -1.04          | -0.000610       | ± 2.5       | PASS    |
|                            |         | VN            | -10              | -1.04          | -0.000610       | ± 2.5       | PASS    |
|                            |         | VN            | 0                | -0.06          | -0.000033       | ± 2.5       | PASS    |
|                            |         | VN            | 10               | -2.20          | -0.001288       | ± 2.5       | PASS    |
|                            |         | VN            | 20               | 3.75           | 0.002191        | ± 2.5       | PASS    |
|                            |         | VN            | 30               | 4.85           | 0.002835        | ± 2.5       | PASS    |
|                            |         | VN            | 40               | 5.34           | 0.003119        | ± 2.5       | PASS    |
|                            |         | VN            | 50               | 1.93           | 0.001129        | ± 2.5       | PASS    |
|                            | MCH     | VN            | -30              | -0.36          | -0.000206       | ± 2.5       | PASS    |
|                            |         | VN            | -20              | -0.24          | -0.000140       | ± 2.5       | PASS    |
|                            |         | VN            | -10              | -0.77          | -0.000446       | ± 2.5       | PASS    |
|                            |         | VN            | 0                | 0.94           | 0.000545        | ± 2.5       | PASS    |
|                            |         | VN            | 10               | -0.03          | -0.000017       | ± 2.5       | PASS    |
| VN                         |         | 20            | 4.31             | 0.002485       | ± 2.5           | PASS        |         |
| VN                         |         | 30            | 2.05             | 0.001181       | ± 2.5           | PASS        |         |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 40  | 0.30  | 0.000173  | ± 2.5 | PASS |
|       |     | VN | 50  | 2.85  | 0.001643  | ± 2.5 | PASS |
|       | HCH | VN | -30 | -0.46 | -0.000261 | ± 2.5 | PASS |
|       |     | VN | -20 | 1.22  | 0.000693  | ± 2.5 | PASS |
|       |     | VN | -10 | 2.02  | 0.001150  | ± 2.5 | PASS |
|       |     | VN | 0   | 1.60  | 0.000913  | ± 2.5 | PASS |
|       |     | VN | 10  | -2.23 | -0.001272 | ± 2.5 | PASS |
|       |     | VN | 20  | 0.64  | 0.000367  | ± 2.5 | PASS |
|       |     | VN | 30  | -0.14 | -0.000082 | ± 2.5 | PASS |
|       |     | VN | 40  | 1.04  | 0.000595  | ± 2.5 | PASS |
|       |     | VN | 50  | -1.29 | -0.000734 | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | -0.92 | -0.000535 | ± 2.5 | PASS |
|       |     | VN | -20 | -1.59 | -0.000928 | ± 2.5 | PASS |
|       |     | VN | -10 | 2.23  | 0.001304  | ± 2.5 | PASS |
|       |     | VN | 0   | 1.20  | 0.000702  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.41  | 0.000243  | ± 2.5 | PASS |
|       |     | VN | 20  | 4.43  | 0.002592  | ± 2.5 | PASS |
|       |     | VN | 30  | 3.48  | 0.002032  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.12  | 0.001823  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.39  | 0.000811  | ± 2.5 | PASS |
|       | MCH | VN | -30 | -2.27 | -0.001313 | ± 2.5 | PASS |
|       |     | VN | -20 | -3.26 | -0.001883 | ± 2.5 | PASS |
|       |     | VN | -10 | 1.69  | 0.000974  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.60 | -0.000347 | ± 2.5 | PASS |
|       |     | VN | 10  | 0.37  | 0.000215  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.39  | 0.000801  | ± 2.5 | PASS |
|       |     | VN | 30  | 1.66  | 0.000958  | ± 2.5 | PASS |
|       |     | VN | 40  | 1.04  | 0.000603  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.43  | 0.000826  | ± 2.5 | PASS |
|       | HCH | VN | -30 | -3.06 | -0.001745 | ± 2.5 | PASS |
|       |     | VN | -20 | 0.31  | 0.000179  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.36 | -0.000204 | ± 2.5 | PASS |
|       |     | VN | 0   | -0.36 | -0.000204 | ± 2.5 | PASS |
|       |     | VN | 10  | 0.31  | 0.000179  | ± 2.5 | PASS |
|       |     | VN | 20  | 0.36  | 0.000204  | ± 2.5 | PASS |
|       |     | VN | 30  | -0.30 | -0.000171 | ± 2.5 | PASS |
|       |     | VN | 40  | -2.57 | -0.001468 | ± 2.5 | PASS |
|       |     | VN | 50  | -0.33 | -0.000188 | ± 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               | 1.96           | 0.001145        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.83           | 0.001655        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.34           | 0.000786        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.37          | -0.000215       | ± 2.5       | PASS    |

|             |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
|             |         | VN            | TN               | 0.06           | 0.000033        | ± 2.5       | PASS    |
|             |         | VH            | TN               | 0.13           | 0.000074        | ± 2.5       | PASS    |
|             | HCH     | VL            | TN               | 0.80           | 0.000457        | ± 2.5       | PASS    |
|             |         | VN            | TN               | -0.19          | -0.000106       | ± 2.5       | PASS    |
|             |         | VH            | TN               | 3.91           | 0.002227        | ± 2.5       | PASS    |
| 16QAM       | LCH     | VL            | TN               | -1.93          | -0.001128       | ± 2.5       | PASS    |
|             |         | VN            | TN               | 0.89           | 0.000518        | ± 2.5       | PASS    |
|             |         | VH            | TN               | 0.21           | 0.000125        | ± 2.5       | PASS    |
|             | MCH     | VL            | TN               | 0.31           | 0.000182        | ± 2.5       | PASS    |
|             |         | VN            | TN               | 1.20           | 0.000694        | ± 2.5       | PASS    |
|             |         | VH            | TN               | -1.10          | -0.000636       | ± 2.5       | PASS    |
|             | HCH     | VL            | TN               | 0.94           | 0.000538        | ± 2.5       | PASS    |
|             |         | VN            | TN               | -1.50          | -0.000857       | ± 2.5       | PASS    |
|             |         | VH            | TN               | 1.44           | 0.000824        | ± 2.5       | PASS    |
| Temperature |         |               |                  |                |                 |             |         |
| Modulation  | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK        | LCH     | VN            | -30              | 2.82           | 0.001647        | ± 2.5       | PASS    |
|             |         | VN            | -20              | -1.30          | -0.000761       | ± 2.5       | PASS    |
|             |         | VN            | -10              | 1.34           | 0.000786        | ± 2.5       | PASS    |
|             |         | VN            | 0                | 2.25           | 0.001312        | ± 2.5       | PASS    |
|             |         | VN            | 10               | 2.46           | 0.001438        | ± 2.5       | PASS    |
|             |         | VN            | 20               | 4.12           | 0.002407        | ± 2.5       | PASS    |
|             |         | VN            | 30               | 3.86           | 0.002257        | ± 2.5       | PASS    |
|             |         | VN            | 40               | 3.46           | 0.002023        | ± 2.5       | PASS    |
|             |         | VN            | 50               | 0.94           | 0.000552        | ± 2.5       | PASS    |
|             | MCH     | VN            | -30              | -4.69          | -0.002708       | ± 2.5       | PASS    |
|             |         | VN            | -20              | -4.01          | -0.002312       | ± 2.5       | PASS    |
|             |         | VN            | -10              | 0.47           | 0.000272        | ± 2.5       | PASS    |
|             |         | VN            | 0                | -0.04          | -0.000025       | ± 2.5       | PASS    |
|             |         | VN            | 10               | -0.16          | -0.000091       | ± 2.5       | PASS    |
|             |         | VN            | 20               | 4.02           | 0.002320        | ± 2.5       | PASS    |
|             |         | VN            | 30               | 2.75           | 0.001585        | ± 2.5       | PASS    |
|             |         | VN            | 40               | 0.72           | 0.000413        | ± 2.5       | PASS    |
|             |         | VN            | 50               | 3.10           | 0.001792        | ± 2.5       | PASS    |
|             | HCH     | VN            | -30              | -0.01          | -0.000008       | ± 2.5       | PASS    |
|             |         | VN            | -20              | 1.47           | 0.000840        | ± 2.5       | PASS    |
|             |         | VN            | -10              | -1.77          | -0.001012       | ± 2.5       | PASS    |
|             |         | VN            | 0                | -1.34          | -0.000767       | ± 2.5       | PASS    |
|             |         | VN            | 10               | -0.83          | -0.000473       | ± 2.5       | PASS    |
|             |         | VN            | 20               | -1.54          | -0.000881       | ± 2.5       | PASS    |
|             |         | VN            | 30               | 0.27           | 0.000155        | ± 2.5       | PASS    |
|             |         | VN            | 40               | -2.10          | -0.001199       | ± 2.5       | PASS    |
|             |         | VN            | 50               | -0.64          | -0.000367       | ± 2.5       | PASS    |
| QPSK        | LCH     | VN            | -30              | 0.00           | 0.000000        | ± 2.5       | PASS    |
|             |         | VN            | -20              | -1.13          | -0.000660       | ± 2.5       | PASS    |
|             |         | VN            | -10              | -1.60          | -0.000936       | ± 2.5       | PASS    |
|             |         | VN            | 0                | 2.07           | 0.001212        | ± 2.5       | PASS    |
|             |         | VN            | 10               | -3.49          | -0.002039       | ± 2.5       | PASS    |
|             |         | VN            | 20               | 2.37           | 0.001387        | ± 2.5       | PASS    |

|  |     |    |     |       |           |       |      |
|--|-----|----|-----|-------|-----------|-------|------|
|  |     | VN | 30  | 1.29  | 0.000752  | ± 2.5 | PASS |
|  |     | VN | 40  | 0.74  | 0.000435  | ± 2.5 | PASS |
|  |     | VN | 50  | 3.69  | 0.002156  | ± 2.5 | PASS |
|  | MCH | VN | -30 | -1.73 | -0.000999 | ± 2.5 | PASS |
|  |     | VN | -20 | -3.15 | -0.001817 | ± 2.5 | PASS |
|  |     | VN | -10 | -1.04 | -0.000603 | ± 2.5 | PASS |
|  |     | VN | 0   | 1.95  | 0.001123  | ± 2.5 | PASS |
|  |     | VN | 10  | 1.59  | 0.000917  | ± 2.5 | PASS |
|  |     | VN | 20  | 2.79  | 0.001610  | ± 2.5 | PASS |
|  |     | VN | 30  | 2.35  | 0.001354  | ± 2.5 | PASS |
|  |     | VN | 40  | 0.46  | 0.000264  | ± 2.5 | PASS |
|  |     | VN | 50  | 2.05  | 0.001181  | ± 2.5 | PASS |
|  | HCH | VN | -30 | 0.06  | 0.000033  | ± 2.5 | PASS |
|  |     | VN | -20 | -0.73 | -0.000416 | ± 2.5 | PASS |
|  |     | VN | -10 | -0.33 | -0.000188 | ± 2.5 | PASS |
|  |     | VN | 0   | 0.06  | 0.000033  | ± 2.5 | PASS |
|  |     | VN | 10  | -1.33 | -0.000759 | ± 2.5 | PASS |
|  |     | VN | 20  | -0.49 | -0.000277 | ± 2.5 | PASS |
|  |     | VN | 30  | -1.03 | -0.000587 | ± 2.5 | PASS |
|  |     | VN | 40  | -2.47 | -0.001411 | ± 2.5 | PASS |
|  |     | VN | 50  | 0.09  | 0.000049  | ± 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               | -1.33          | -0.000777       | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 2.46           | 0.001437        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -0.94          | -0.000551       | ± 2.5       | PASS    |
|                          | MCH     | VL            | TN               | 3.56           | 0.002056        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | -0.79          | -0.000454       | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -0.31          | -0.000182       | ± 2.5       | PASS    |
|                          | HCH     | VL            | TN               | 0.29           | 0.000163        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 4.09           | 0.002335        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 0.97           | 0.000555        | ± 2.5       | PASS    |
| 16QAM                    | LCH     | VL            | TN               | 0.50           | 0.000292        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | -3.62          | -0.002113       | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -0.62          | -0.000359       | ± 2.5       | PASS    |
|                          | MCH     | VL            | TN               | -0.70          | -0.000405       | ± 2.5       | PASS    |
|                          |         | VN            | TN               | -0.06          | -0.000033       | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 3.60           | 0.002081        | ± 2.5       | PASS    |
|                          | HCH     | VL            | TN               | 3.16           | 0.001804        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 0.30           | 0.000171        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 0.66           | 0.000375        | ± 2.5       | PASS    |
| Temperature              |         |               |                  |                |                 |             |         |
| Modulation               | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
| QPSK  | LCH | VN | -30 | 0.16  | 0.000092  | ± 2.5 | PASS |
|       |     | VN | -20 | 1.87  | 0.001094  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.59  | 0.000927  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.69 | -0.000401 | ± 2.5 | PASS |
|       |     | VN | 10  | -1.77 | -0.001036 | ± 2.5 | PASS |
|       |     | VN | 20  | 3.08  | 0.001796  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.79  | 0.002798  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.99  | 0.002331  | ± 2.5 | PASS |
|       |     | VN | 50  | 5.06  | 0.002957  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 0.14  | 0.000083  | ± 2.5 | PASS |
|       |     | VN | -20 | 0.03  | 0.000017  | ± 2.5 | PASS |
|       |     | VN | -10 | 0.13  | 0.000074  | ± 2.5 | PASS |
|       |     | VN | 0   | -1.22 | -0.000702 | ± 2.5 | PASS |
|       |     | VN | 10  | -1.04 | -0.000603 | ± 2.5 | PASS |
|       |     | VN | 20  | 0.49  | 0.000281  | ± 2.5 | PASS |
|       |     | VN | 30  | 1.16  | 0.000669  | ± 2.5 | PASS |
|       |     | VN | 40  | 0.99  | 0.000570  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.59  | 0.002072  | ± 2.5 | PASS |
|       | HCH | VN | -30 | -0.74 | -0.000424 | ± 2.5 | PASS |
|       |     | VN | -20 | -0.19 | -0.000106 | ± 2.5 | PASS |
|       |     | VN | -10 | -0.87 | -0.000498 | ± 2.5 | PASS |
|       |     | VN | 0   | 1.19  | 0.000678  | ± 2.5 | PASS |
|       |     | VN | 10  | 2.53  | 0.001445  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.86 | -0.000490 | ± 2.5 | PASS |
|       |     | VN | 30  | -1.76 | -0.001004 | ± 2.5 | PASS |
|       |     | VN | 40  | -1.00 | -0.000571 | ± 2.5 | PASS |
|       |     | VN | 50  | -1.33 | -0.000759 | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 1.56  | 0.000911  | ± 2.5 | PASS |
|       |     | VN | -20 | 0.19  | 0.000109  | ± 2.5 | PASS |
|       |     | VN | -10 | 0.23  | 0.000134  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.60 | -0.000351 | ± 2.5 | PASS |
|       |     | VN | 10  | -0.10 | -0.000058 | ± 2.5 | PASS |
|       |     | VN | 20  | 3.81  | 0.002222  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.32  | 0.002523  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.52  | 0.002640  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.49  | 0.002038  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 2.27  | 0.001313  | ± 2.5 | PASS |
|       |     | VN | -20 | -0.99 | -0.000570 | ± 2.5 | PASS |
|       |     | VN | -10 | -1.20 | -0.000694 | ± 2.5 | PASS |
|       |     | VN | 0   | -2.02 | -0.001164 | ± 2.5 | PASS |
|       |     | VN | 10  | 2.85  | 0.001643  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.40  | 0.000809  | ± 2.5 | PASS |
|       |     | VN | 30  | -1.92 | -0.001106 | ± 2.5 | PASS |
|       |     | VN | 40  | 0.59  | 0.000339  | ± 2.5 | PASS |
|       |     | VN | 50  | 0.39  | 0.000223  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 2.43  | 0.001388  | ± 2.5 | PASS |
|       |     | VN | -20 | -1.83 | -0.001045 | ± 2.5 | PASS |
|       |     | VN | -10 | 2.93  | 0.001673  | ± 2.5 | PASS |
|       |     | VN | 0   | -2.79 | -0.001592 | ± 2.5 | PASS |
|       |     | VN | 10  | -0.11 | -0.000065 | ± 2.5 | PASS |

|  |  |    |    |       |           |       |      |
|--|--|----|----|-------|-----------|-------|------|
|  |  | VN | 20 | -0.73 | -0.000416 | ± 2.5 | PASS |
|  |  | VN | 30 | 0.82  | 0.000465  | ± 2.5 | PASS |
|  |  | VN | 40 | -0.34 | -0.000196 | ± 2.5 | PASS |
|  |  | VN | 50 | -0.70 | -0.000400 | ± 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               | 0.37           | 0.000217        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.74          | -0.000434       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.16           | 0.000676        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 0.07           | 0.000041        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.32           | 0.000760        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.07           | 0.000619        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -0.21          | -0.000123       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.17           | 0.000670        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.06          | -0.000605       | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 0.20           | 0.000117        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.39           | 0.000225        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.53           | 0.000309        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 1.27           | 0.000735        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.43           | 0.000248        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.59           | 0.000339        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -0.50          | -0.000286       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.06          | -0.000033       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.19          | -0.000106       | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 16QAM                     | LCH     | VN            | -30              | 1.75           | 0.001018        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 0.76           | 0.000442        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | -0.04          | -0.000025       | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -0.41          | -0.000242       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -0.04          | -0.000025       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 0.79           | 0.000459        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -0.94          | -0.000551       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | -0.39          | -0.000225       | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 0.44           | 0.000259        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | 1.16           | 0.000669        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -0.50          | -0.000289       | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 0.23           | 0.000132        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 0.10           | 0.000058        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -0.66          | -0.000380       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 1.73           | 0.000999        | ± 2.5       | PASS    |
| VN                        |         | 30            | 1.36             | 0.000784       | ± 2.5           | PASS        |         |
| VN                        | 40      | 1.89          | 0.001090         | ± 2.5          | PASS            |             |         |

|      |     |    |     |       |           |       |      |
|------|-----|----|-----|-------|-----------|-------|------|
|      | HCH | VN | 50  | 2.49  | 0.001437  | ± 2.5 | PASS |
|      |     | VN | -30 | -0.16 | -0.000090 | ± 2.5 | PASS |
|      |     | VN | -20 | -0.21 | -0.000123 | ± 2.5 | PASS |
|      |     | VN | -10 | 0.13  | 0.000074  | ± 2.5 | PASS |
|      |     | VN | 0   | 0.11  | 0.000065  | ± 2.5 | PASS |
|      |     | VN | 10  | 0.86  | 0.000490  | ± 2.5 | PASS |
|      |     | VN | 20  | 0.74  | 0.000425  | ± 2.5 | PASS |
|      |     | VN | 30  | 1.97  | 0.001128  | ± 2.5 | PASS |
|      |     | VN | 40  | 0.84  | 0.000482  | ± 2.5 | PASS |
|      |     | VN | 50  | 0.84  | 0.000482  | ± 2.5 | PASS |
| QPSK | LCH | VN | -30 | 0.33  | 0.000192  | ± 2.5 | PASS |
|      |     | VN | -20 | 0.27  | 0.000158  | ± 2.5 | PASS |
|      |     | VN | -10 | -0.21 | -0.000125 | ± 2.5 | PASS |
|      |     | VN | 0   | -0.67 | -0.000392 | ± 2.5 | PASS |
|      |     | VN | 10  | 0.16  | 0.000092  | ± 2.5 | PASS |
|      |     | VN | 20  | -0.39 | -0.000225 | ± 2.5 | PASS |
|      |     | VN | 30  | -0.50 | -0.000292 | ± 2.5 | PASS |
|      |     | VN | 40  | -2.40 | -0.001401 | ± 2.5 | PASS |
|      |     | VN | 50  | -0.04 | -0.000025 | ± 2.5 | PASS |
|      | MCH | VN | -30 | -0.51 | -0.000297 | ± 2.5 | PASS |
|      |     | VN | -20 | 0.40  | 0.000231  | ± 2.5 | PASS |
|      |     | VN | -10 | -0.54 | -0.000314 | ± 2.5 | PASS |
|      |     | VN | 0   | 0.20  | 0.000116  | ± 2.5 | PASS |
|      |     | VN | 10  | -0.50 | -0.000289 | ± 2.5 | PASS |
|      |     | VN | 20  | 1.85  | 0.001065  | ± 2.5 | PASS |
|      |     | VN | 30  | 3.35  | 0.001932  | ± 2.5 | PASS |
|      |     | VN | 40  | 1.57  | 0.000908  | ± 2.5 | PASS |
|      |     | VN | 50  | 1.44  | 0.000834  | ± 2.5 | PASS |
|      | HCH | VN | -30 | -0.23 | -0.000131 | ± 2.5 | PASS |
|      |     | VN | -20 | -0.39 | -0.000221 | ± 2.5 | PASS |
|      |     | VN | -10 | -1.00 | -0.000572 | ± 2.5 | PASS |
|      |     | VN | 0   | 1.00  | 0.000572  | ± 2.5 | PASS |
|      |     | VN | 10  | 0.27  | 0.000155  | ± 2.5 | PASS |
|      |     | VN | 20  | 0.77  | 0.000441  | ± 2.5 | PASS |
|      |     | VN | 30  | 0.50  | 0.000286  | ± 2.5 | PASS |
|      |     | VN | 40  | 1.19  | 0.000678  | ± 2.5 | PASS |
|      |     | VN | 50  | 2.36  | 0.001349  | ± 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               | 1.53           | 0.000891        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.06          | -0.000616       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.73           | 0.000425        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.27          | -0.000157       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.07           | 0.000041        | ± 2.5       | PASS    |

|             |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
|             |         | VH            | TN               | -0.37          | -0.000215       | ± 2.5       | PASS    |
|             | HCH     | VL            | TN               | 0.37           | 0.000213        | ± 2.5       | PASS    |
|             |         | VN            | TN               | 1.65           | 0.000941        | ± 2.5       | PASS    |
|             |         | VH            | TN               | -0.70          | -0.000401       | ± 2.5       | PASS    |
| 16QAM       | LCH     | VL            | TN               | -0.57          | -0.000333       | ± 2.5       | PASS    |
|             |         | VN            | TN               | 0.06           | 0.000033        | ± 2.5       | PASS    |
|             |         | VH            | TN               | 0.39           | 0.000225        | ± 2.5       | PASS    |
|             | MCH     | VL            | TN               | 0.34           | 0.000198        | ± 2.5       | PASS    |
|             |         | VN            | TN               | 0.23           | 0.000132        | ± 2.5       | PASS    |
|             |         | VH            | TN               | -0.67          | -0.000388       | ± 2.5       | PASS    |
|             | HCH     | VL            | TN               | 0.23           | 0.000131        | ± 2.5       | PASS    |
|             |         | VN            | TN               | -0.37          | -0.000213       | ± 2.5       | PASS    |
|             |         | VH            | TN               | 0.26           | 0.000147        | ± 2.5       | PASS    |
| Temperature |         |               |                  |                |                 |             |         |
| Modulation  | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK        | LCH     | VN            | -30              | 1.02           | 0.000591        | ± 2.5       | PASS    |
|             |         | VN            | -20              | 0.43           | 0.000250        | ± 2.5       | PASS    |
|             |         | VN            | -10              | -0.87          | -0.000508       | ± 2.5       | PASS    |
|             |         | VN            | 0                | 0.36           | 0.000208        | ± 2.5       | PASS    |
|             |         | VN            | 10               | -0.31          | -0.000183       | ± 2.5       | PASS    |
|             |         | VN            | 20               | 1.10           | 0.000641        | ± 2.5       | PASS    |
|             |         | VN            | 30               | 0.33           | 0.000192        | ± 2.5       | PASS    |
|             |         | VN            | 40               | 0.34           | 0.000200        | ± 2.5       | PASS    |
|             |         | VN            | 50               | 0.90           | 0.000525        | ± 2.5       | PASS    |
|             | MCH     | VN            | -30              | -0.16          | -0.000091       | ± 2.5       | PASS    |
|             |         | VN            | -20              | -0.57          | -0.000330       | ± 2.5       | PASS    |
|             |         | VN            | -10              | 0.04           | 0.000025        | ± 2.5       | PASS    |
|             |         | VN            | 0                | -0.17          | -0.000099       | ± 2.5       | PASS    |
|             |         | VN            | 10               | -0.27          | -0.000157       | ± 2.5       | PASS    |
|             |         | VN            | 20               | 1.43           | 0.000826        | ± 2.5       | PASS    |
|             |         | VN            | 30               | 0.60           | 0.000347        | ± 2.5       | PASS    |
|             |         | VN            | 40               | 1.52           | 0.000875        | ± 2.5       | PASS    |
|             |         | VN            | 50               | 1.33           | 0.000768        | ± 2.5       | PASS    |
|             | HCH     | VN            | -30              | 0.20           | 0.000115        | ± 2.5       | PASS    |
|             |         | VN            | -20              | 0.63           | 0.000360        | ± 2.5       | PASS    |
|             |         | VN            | -10              | 0.70           | 0.000401        | ± 2.5       | PASS    |
|             |         | VN            | 0                | -0.47          | -0.000270       | ± 2.5       | PASS    |
|             |         | VN            | 10               | 1.10           | 0.000630        | ± 2.5       | PASS    |
|             |         | VN            | 20               | 1.40           | 0.000802        | ± 2.5       | PASS    |
|             |         | VN            | 30               | 0.62           | 0.000352        | ± 2.5       | PASS    |
|             |         | VN            | 40               | 0.82           | 0.000467        | ± 2.5       | PASS    |
|             |         | VN            | 50               | 0.60           | 0.000344        | ± 2.5       | PASS    |
| QPSK        | LCH     | VN            | -30              | -0.07          | -0.000042       | ± 2.5       | PASS    |
|             |         | VN            | -20              | 1.23           | 0.000716        | ± 2.5       | PASS    |
|             |         | VN            | -10              | 1.17           | 0.000683        | ± 2.5       | PASS    |
|             |         | VN            | 0                | 0.76           | 0.000441        | ± 2.5       | PASS    |
|             |         | VN            | 10               | 0.62           | 0.000358        | ± 2.5       | PASS    |
|             |         | VN            | 20               | 0.86           | 0.000500        | ± 2.5       | PASS    |
|             |         | VN            | 30               | 0.96           | 0.000558        | ± 2.5       | PASS    |

|  |     |    |     |       |           |       |      |
|--|-----|----|-----|-------|-----------|-------|------|
|  |     | VN | 40  | 0.40  | 0.000233  | ± 2.5 | PASS |
|  |     | VN | 50  | 0.54  | 0.000317  | ± 2.5 | PASS |
|  | MCH | VN | -30 | 1.14  | 0.000661  | ± 2.5 | PASS |
|  |     | VN | -20 | -0.33 | -0.000190 | ± 2.5 | PASS |
|  |     | VN | -10 | -0.72 | -0.000413 | ± 2.5 | PASS |
|  |     | VN | 0   | 0.59  | 0.000339  | ± 2.5 | PASS |
|  |     | VN | 10  | 0.72  | 0.000413  | ± 2.5 | PASS |
|  |     | VN | 20  | 0.21  | 0.000124  | ± 2.5 | PASS |
|  |     | VN | 30  | 1.69  | 0.000974  | ± 2.5 | PASS |
|  |     | VN | 40  | 2.02  | 0.001164  | ± 2.5 | PASS |
|  |     | VN | 50  | 1.75  | 0.001007  | ± 2.5 | PASS |
|  |     | VN | -30 | -0.44 | -0.000254 | ± 2.5 | PASS |
|  | HCH | VN | -20 | 0.46  | 0.000262  | ± 2.5 | PASS |
|  |     | VN | -10 | -0.10 | -0.000057 | ± 2.5 | PASS |
|  |     | VN | 0   | -0.30 | -0.000172 | ± 2.5 | PASS |
|  |     | VN | 10  | -0.04 | -0.000025 | ± 2.5 | PASS |
|  |     | VN | 20  | 0.66  | 0.000377  | ± 2.5 | PASS |
|  |     | VN | 30  | 1.00  | 0.000573  | ± 2.5 | PASS |
|  |     | VN | 40  | 0.53  | 0.000303  | ± 2.5 | PASS |
|  |     | VN | 50  | 0.94  | 0.000540  | ± 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               | 0.49           | 0.000283        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.42           | 0.000823        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.26          | -0.000150       | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -1.39          | -0.000801       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.30           | 0.000751        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.60          | -0.000925       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 0.70           | 0.000402        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.66           | 0.000377        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.29           | 0.000164        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | -0.43          | -0.000250       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.37           | 0.000216        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.77           | 0.000449        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.56          | -0.000322       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.34           | 0.000198        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.56           | 0.000322        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 0.23           | 0.000131        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.67           | 0.000385        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.62           | 0.000353        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 0.33           | 0.000191        | ± 2.5       | PASS    |

|      |     |    |     |       |           |       |      |
|------|-----|----|-----|-------|-----------|-------|------|
|      |     | VN | -20 | -0.62 | -0.000358 | ± 2.5 | PASS |
|      |     | VN | -10 | 0.57  | 0.000333  | ± 2.5 | PASS |
|      |     | VN | 0   | 0.77  | 0.000449  | ± 2.5 | PASS |
|      |     | VN | 10  | 0.27  | 0.000158  | ± 2.5 | PASS |
|      |     | VN | 20  | 3.00  | 0.001747  | ± 2.5 | PASS |
|      |     | VN | 30  | 2.39  | 0.001389  | ± 2.5 | PASS |
|      |     | VN | 40  | 2.70  | 0.001572  | ± 2.5 | PASS |
|      |     | VN | 50  | 3.09  | 0.001796  | ± 2.5 | PASS |
|      | MCH | VN | -30 | 0.03  | 0.000017  | ± 2.5 | PASS |
|      |     | VN | -20 | 0.27  | 0.000157  | ± 2.5 | PASS |
|      |     | VN | -10 | 0.14  | 0.000083  | ± 2.5 | PASS |
|      |     | VN | 0   | -0.03 | -0.000017 | ± 2.5 | PASS |
|      |     | VN | 10  | -1.39 | -0.000801 | ± 2.5 | PASS |
|      |     | VN | 20  | 0.84  | 0.000487  | ± 2.5 | PASS |
|      |     | VN | 30  | 1.04  | 0.000603  | ± 2.5 | PASS |
|      |     | VN | 40  | 1.10  | 0.000636  | ± 2.5 | PASS |
|      |     | VN | 50  | 1.04  | 0.000603  | ± 2.5 | PASS |
|      | HCH | VN | -30 | 1.34  | 0.000771  | ± 2.5 | PASS |
|      |     | VN | -20 | -0.26 | -0.000148 | ± 2.5 | PASS |
|      |     | VN | -10 | 0.44  | 0.000254  | ± 2.5 | PASS |
|      |     | VN | 0   | 1.23  | 0.000705  | ± 2.5 | PASS |
|      |     | VN | 10  | -0.79 | -0.000451 | ± 2.5 | PASS |
|      |     | VN | 20  | 1.60  | 0.000918  | ± 2.5 | PASS |
|      |     | VN | 30  | 0.76  | 0.000434  | ± 2.5 | PASS |
|      |     | VN | 40  | 2.06  | 0.001180  | ± 2.5 | PASS |
|      |     | VN | 50  | 1.19  | 0.000680  | ± 2.5 | PASS |
| QPSK | LCH | VN | -30 | 0.04  | 0.000025  | ± 2.5 | PASS |
|      |     | VN | -20 | 0.24  | 0.000141  | ± 2.5 | PASS |
|      |     | VN | -10 | 0.40  | 0.000233  | ± 2.5 | PASS |
|      |     | VN | 0   | 0.60  | 0.000349  | ± 2.5 | PASS |
|      |     | VN | 10  | 0.14  | 0.000083  | ± 2.5 | PASS |
|      |     | VN | 20  | 1.73  | 0.001006  | ± 2.5 | PASS |
|      |     | VN | 30  | 1.92  | 0.001114  | ± 2.5 | PASS |
|      |     | VN | 40  | 2.92  | 0.001697  | ± 2.5 | PASS |
|      |     | VN | 50  | 1.97  | 0.001148  | ± 2.5 | PASS |
|      | MCH | VN | -30 | -0.27 | -0.000157 | ± 2.5 | PASS |
|      |     | VN | -20 | 0.01  | 0.000008  | ± 2.5 | PASS |
|      |     | VN | -10 | 0.09  | 0.000050  | ± 2.5 | PASS |
|      |     | VN | 0   | 0.36  | 0.000206  | ± 2.5 | PASS |
|      |     | VN | 10  | 0.43  | 0.000248  | ± 2.5 | PASS |
|      |     | VN | 20  | 0.73  | 0.000421  | ± 2.5 | PASS |
|      |     | VN | 30  | 1.13  | 0.000652  | ± 2.5 | PASS |
|      |     | VN | 40  | 1.43  | 0.000826  | ± 2.5 | PASS |
|      |     | VN | 50  | -0.16 | -0.000091 | ± 2.5 | PASS |
|      | HCH | VN | -30 | 0.66  | 0.000377  | ± 2.5 | PASS |
|      |     | VN | -20 | 0.51  | 0.000295  | ± 2.5 | PASS |
|      |     | VN | -10 | -0.54 | -0.000312 | ± 2.5 | PASS |
|      |     | VN | 0   | -0.06 | -0.000033 | ± 2.5 | PASS |
|      |     | VN | 10  | 0.51  | 0.000295  | ± 2.5 | PASS |
|      |     | VN | 20  | 1.73  | 0.000992  | ± 2.5 | PASS |

|  |  |    |    |      |          |       |      |
|--|--|----|----|------|----------|-------|------|
|  |  | VN | 30 | 1.32 | 0.000754 | ± 2.5 | PASS |
|  |  | VN | 40 | 2.06 | 0.001180 | ± 2.5 | PASS |
|  |  | VN | 50 | 1.39 | 0.000795 | ± 2.5 | PASS |