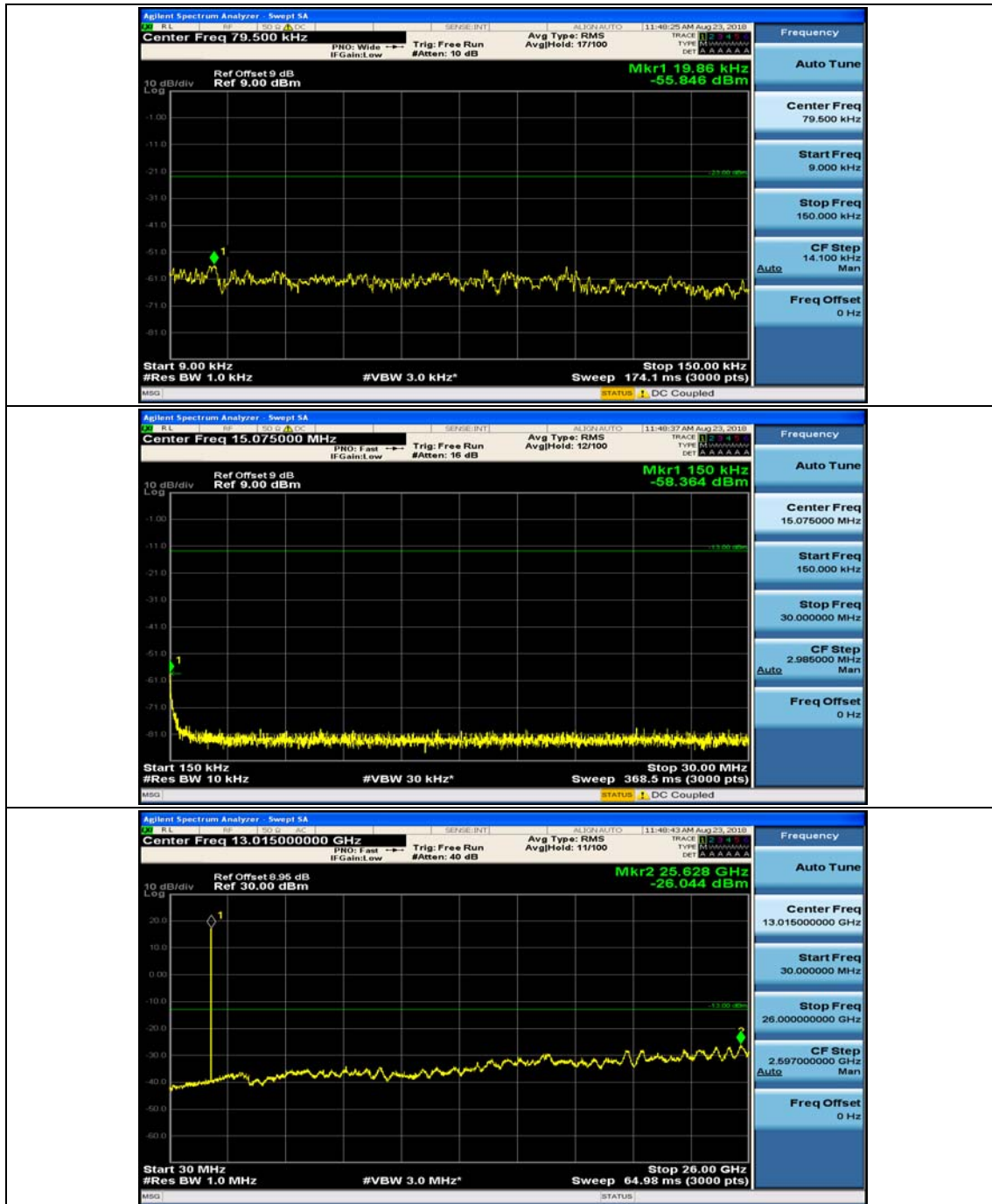
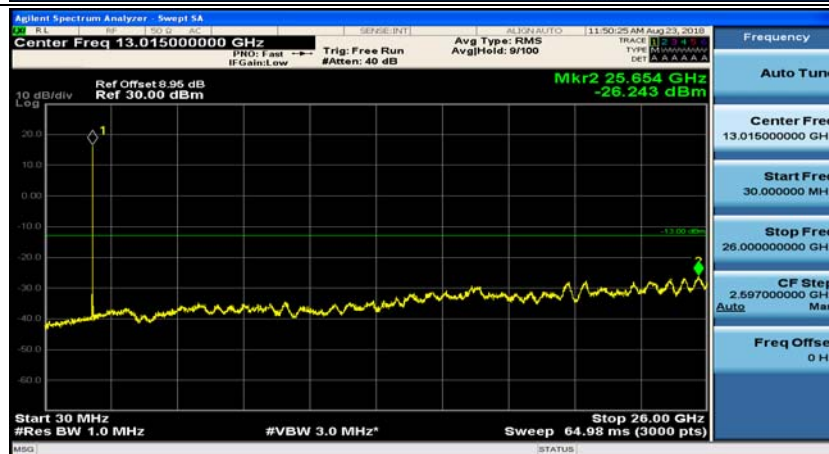
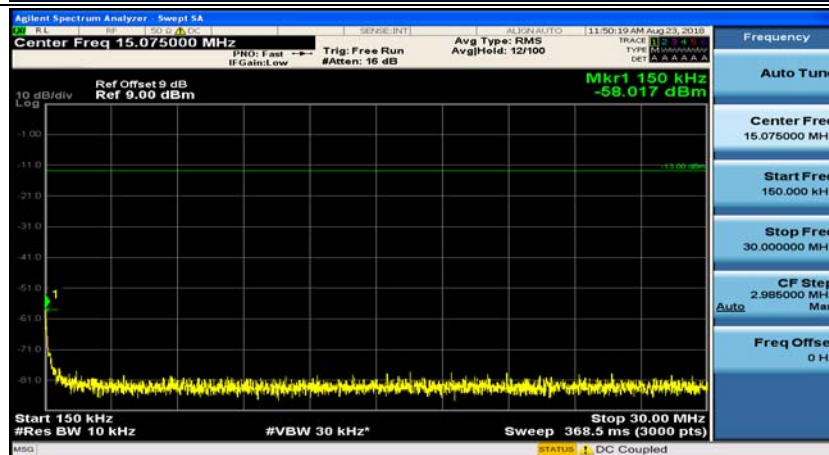
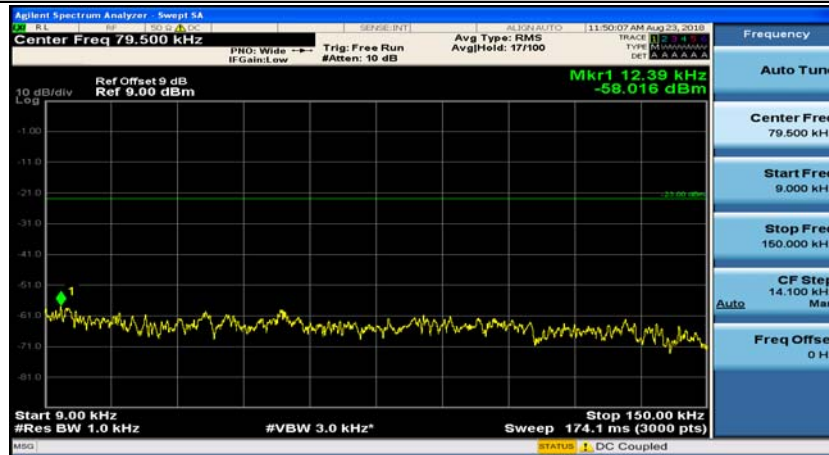
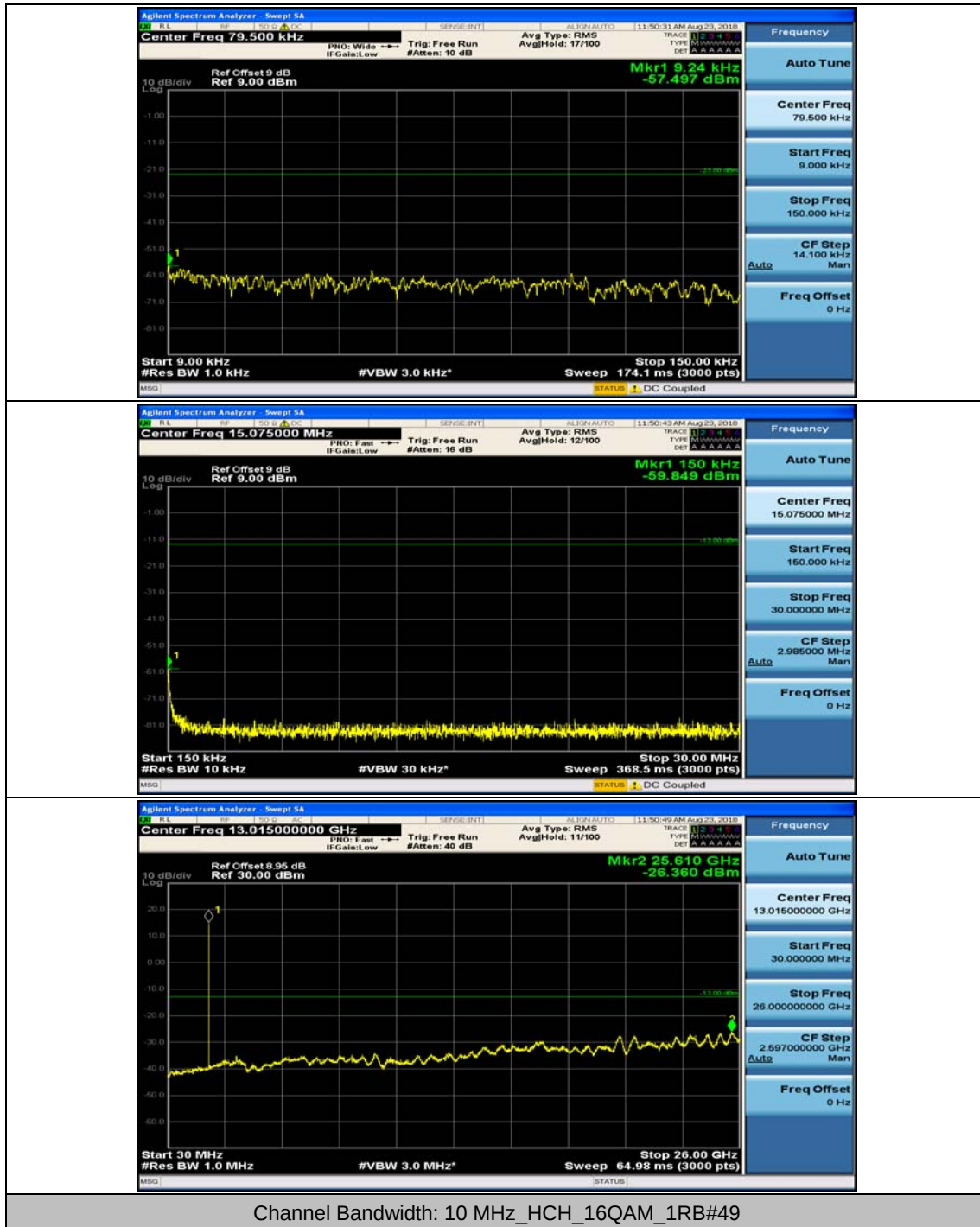


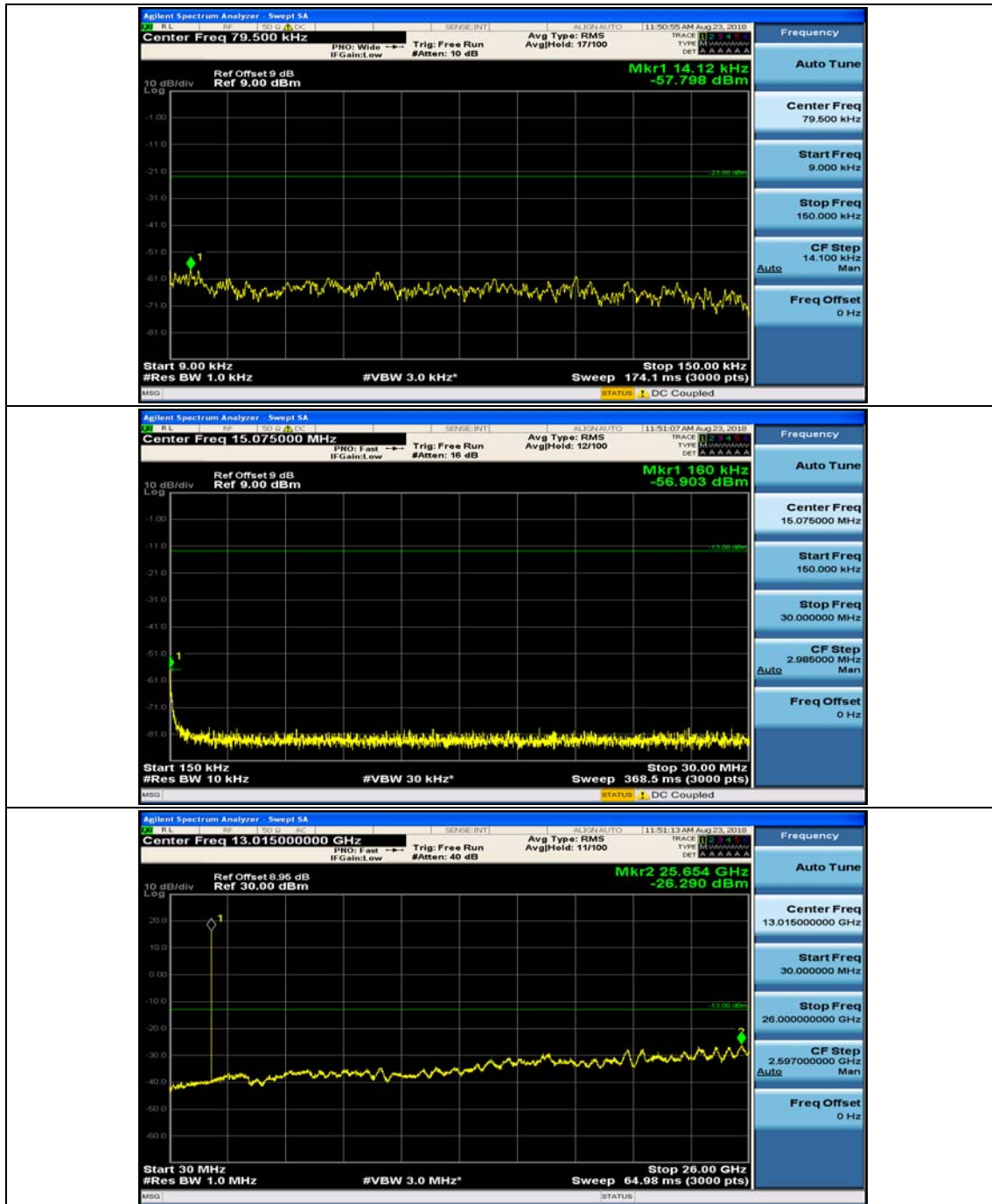


Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0

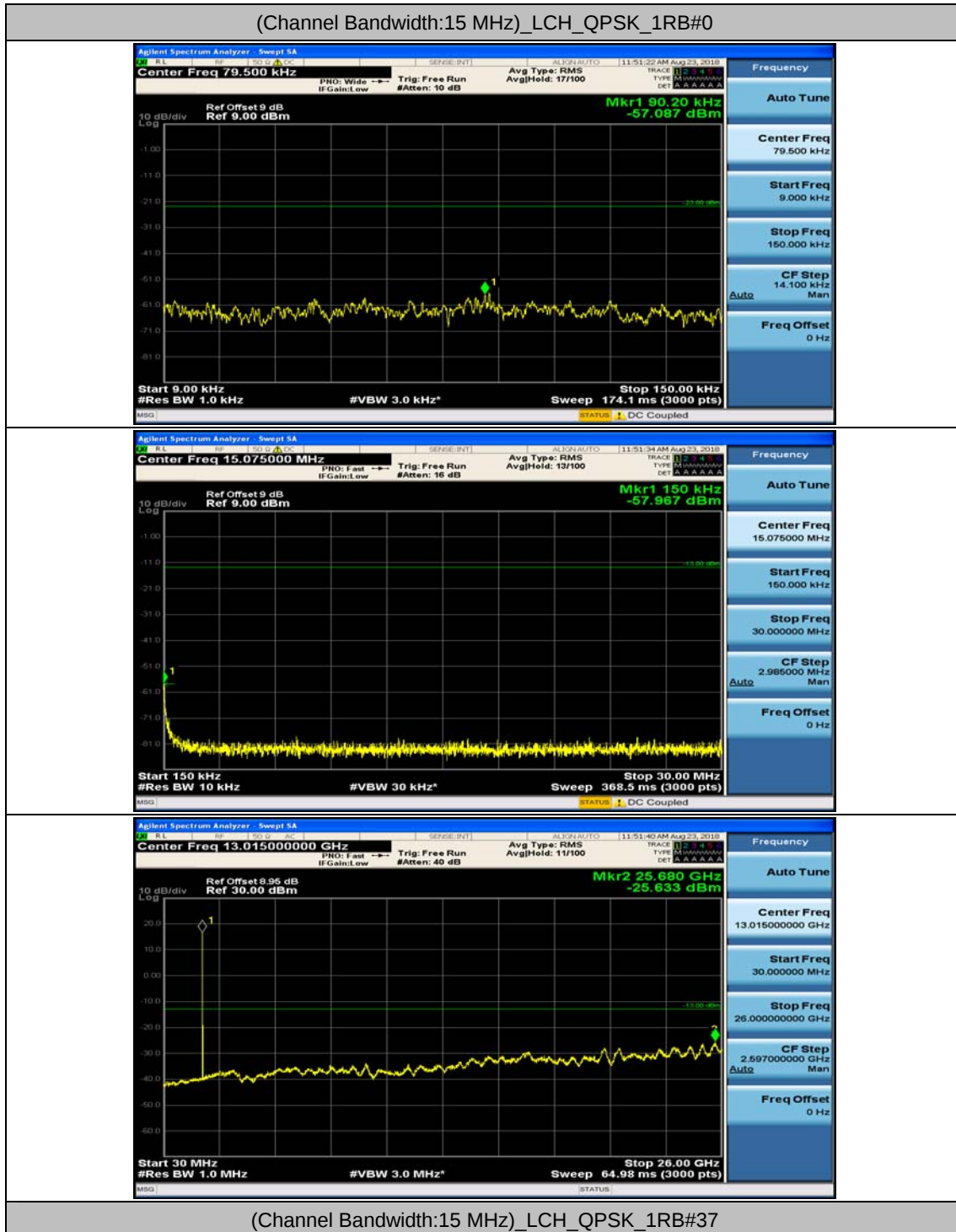


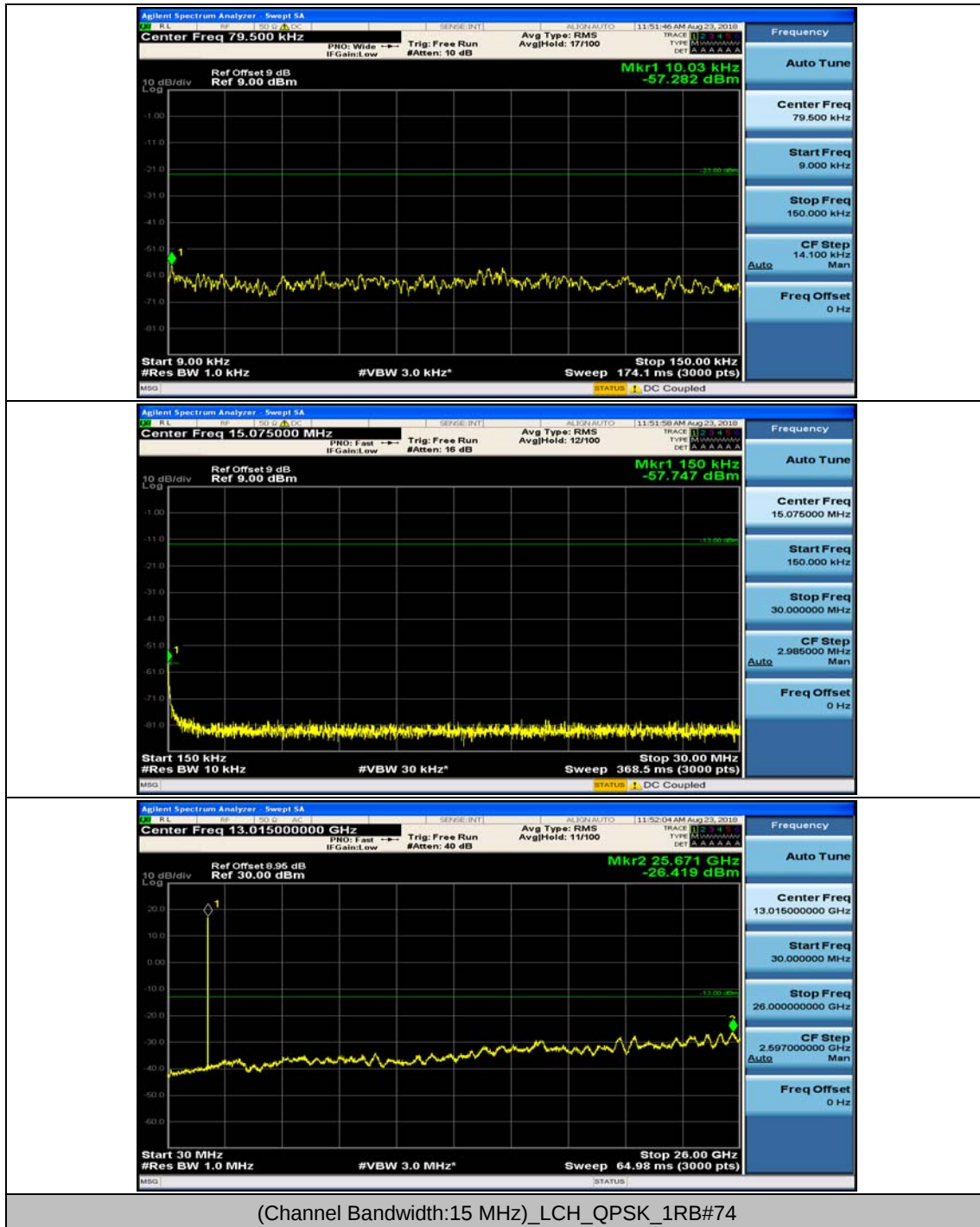
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24

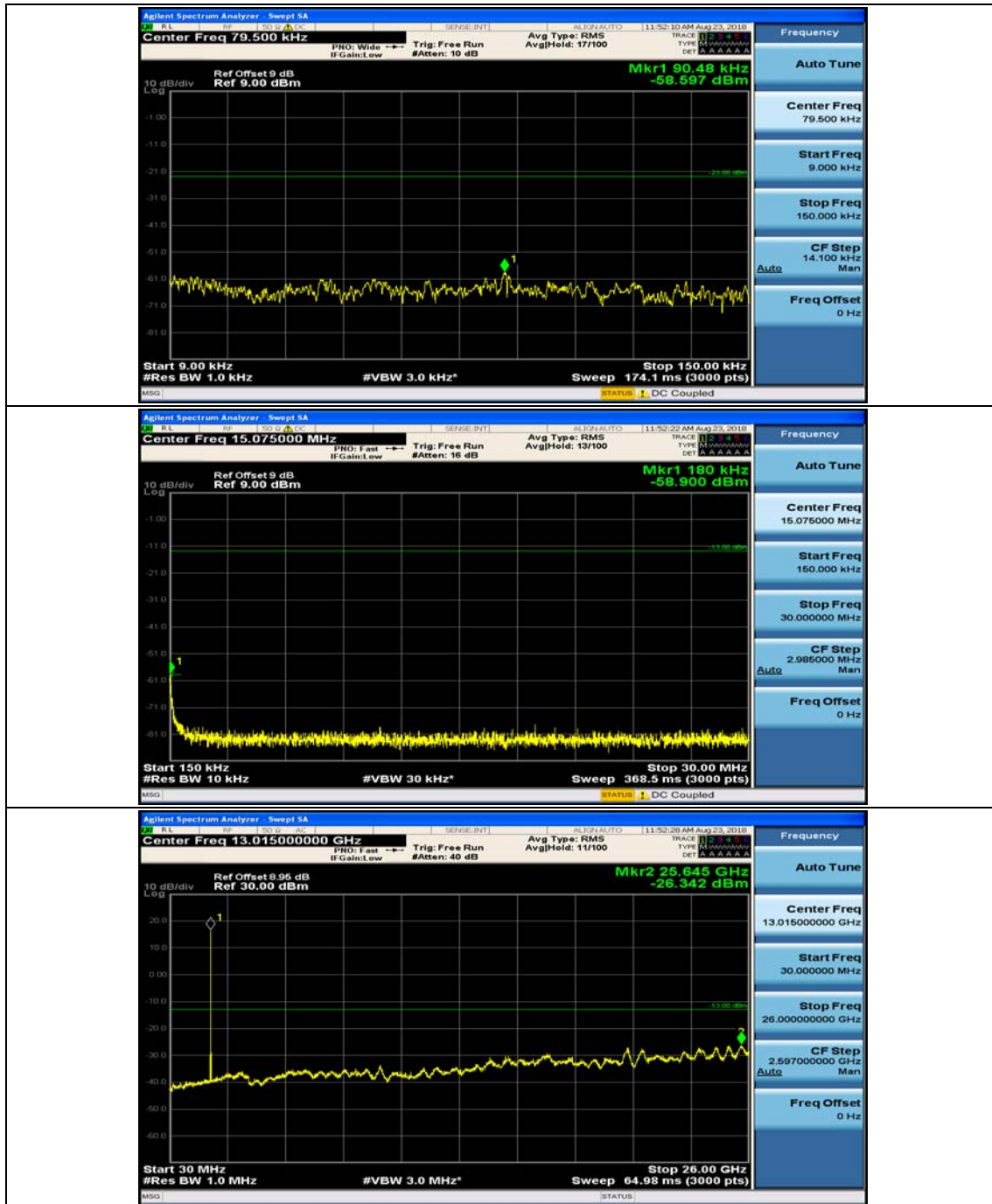




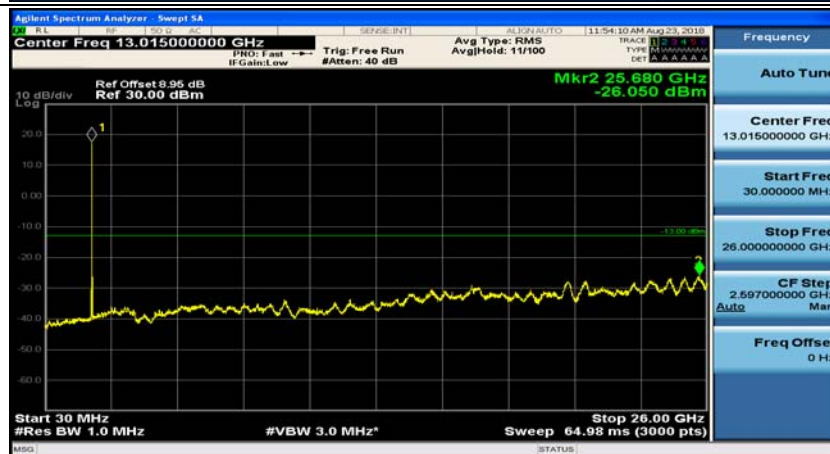
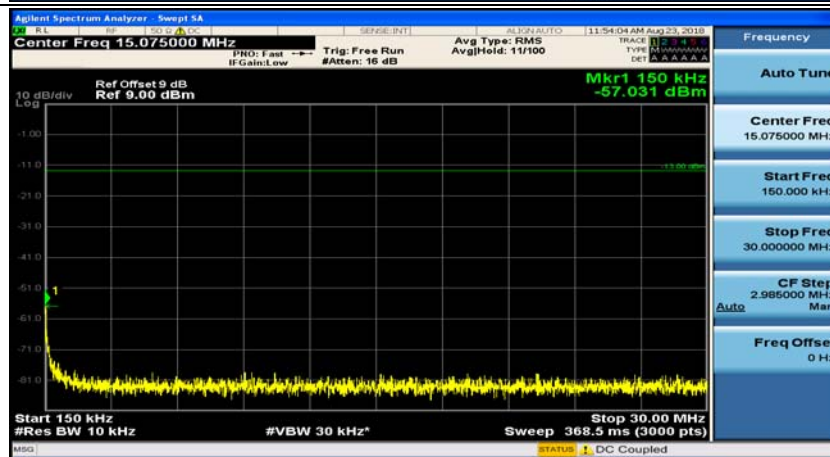
## Channel Bandwidth: 15 MHz



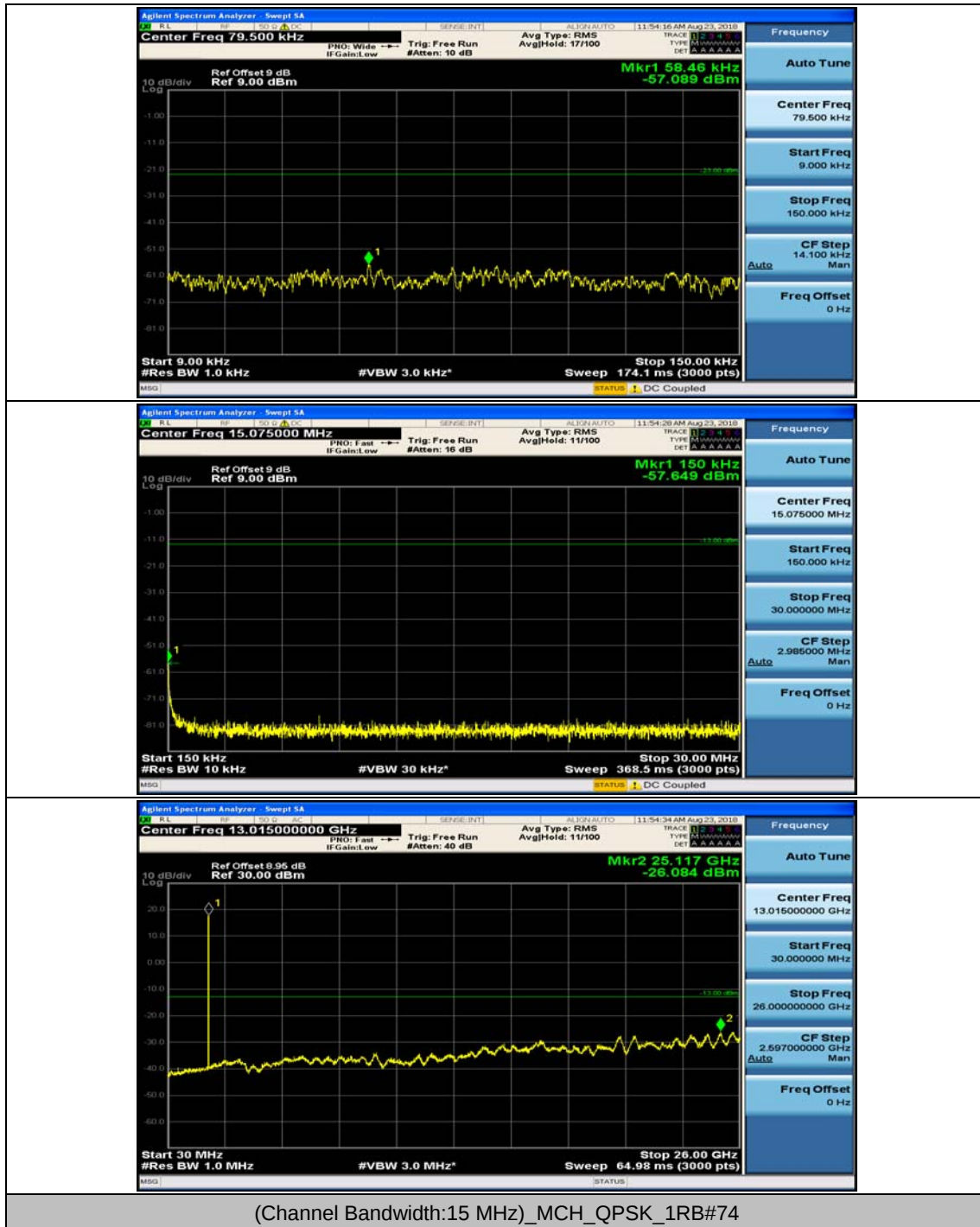


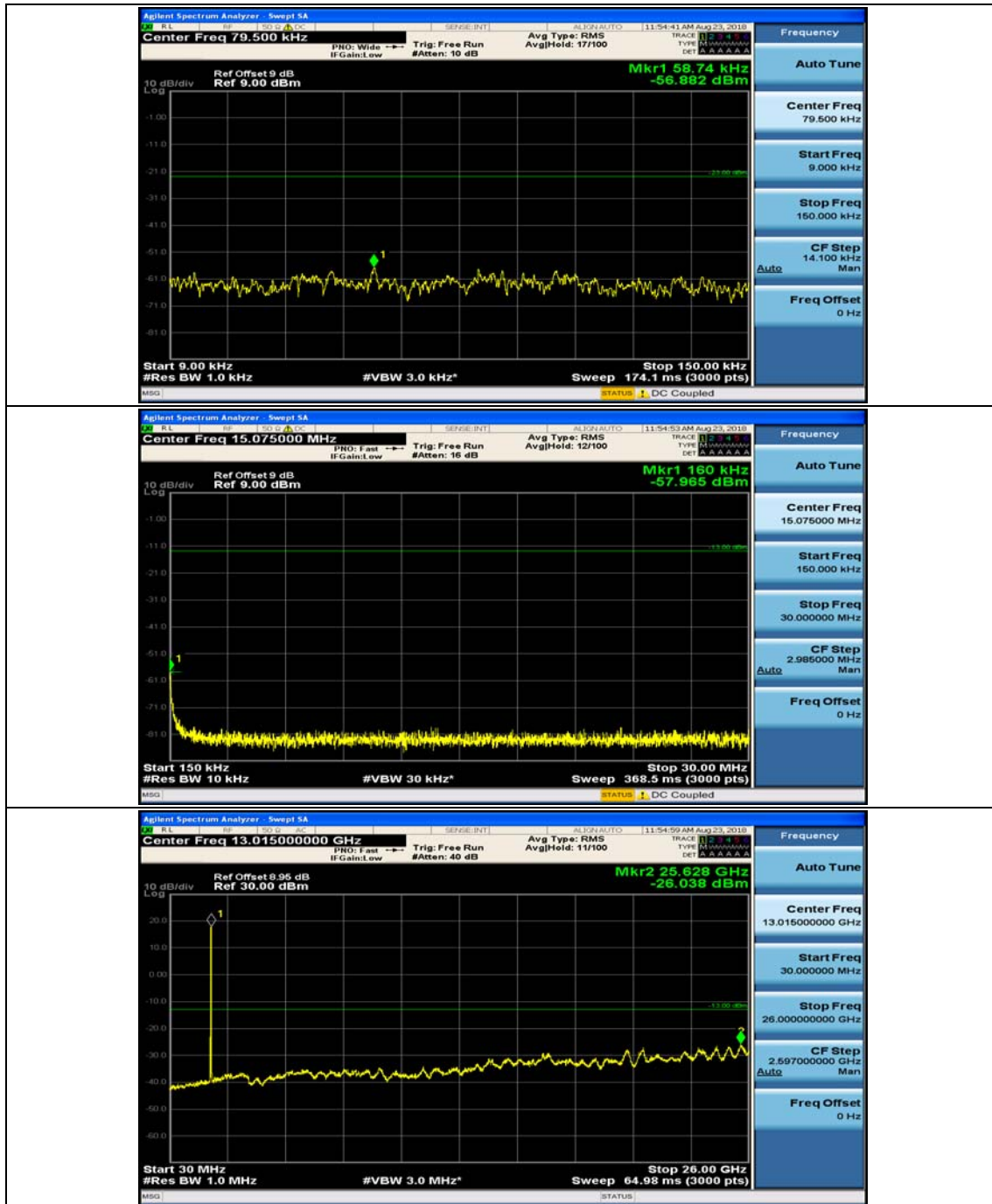


(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#0

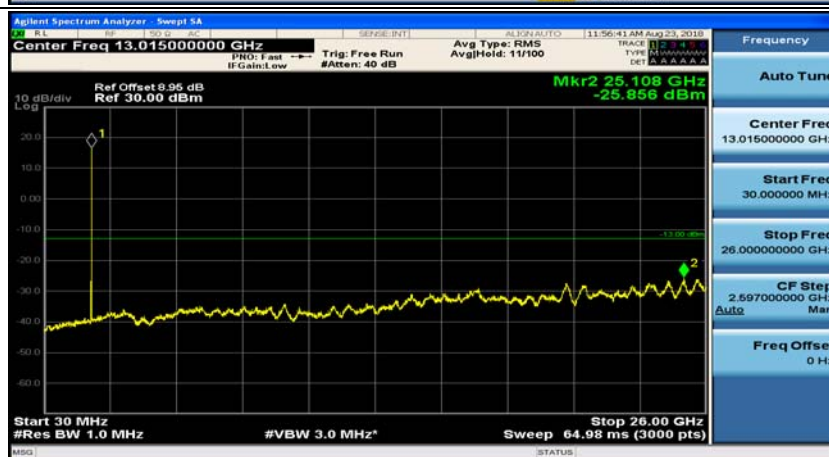
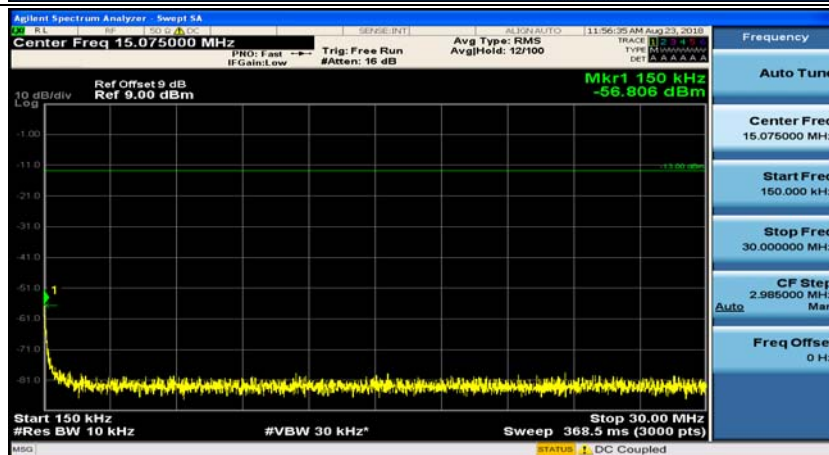
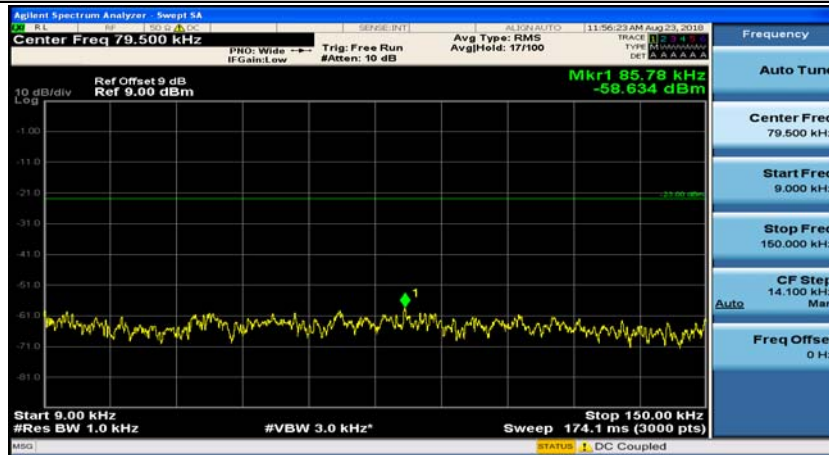


(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#37

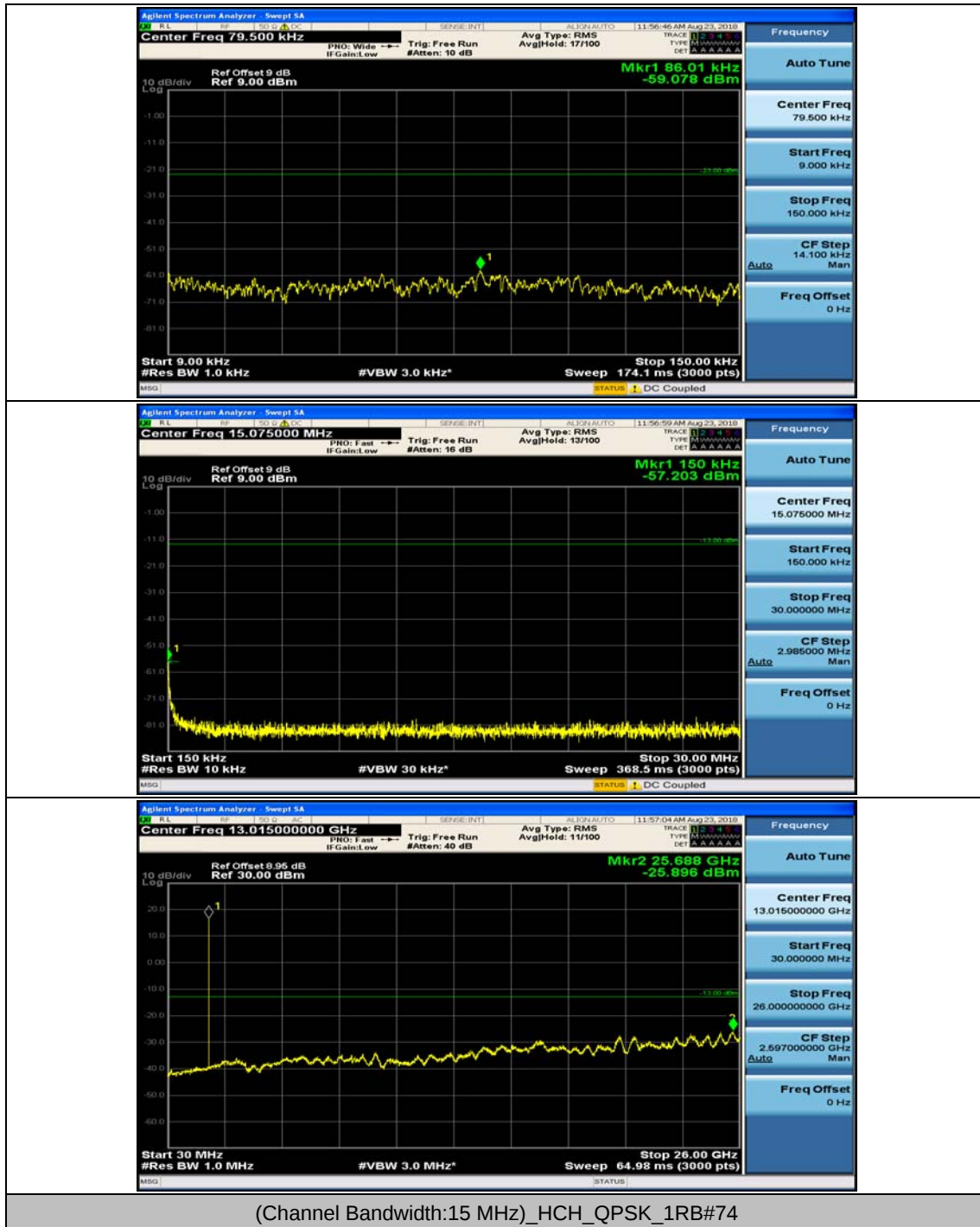


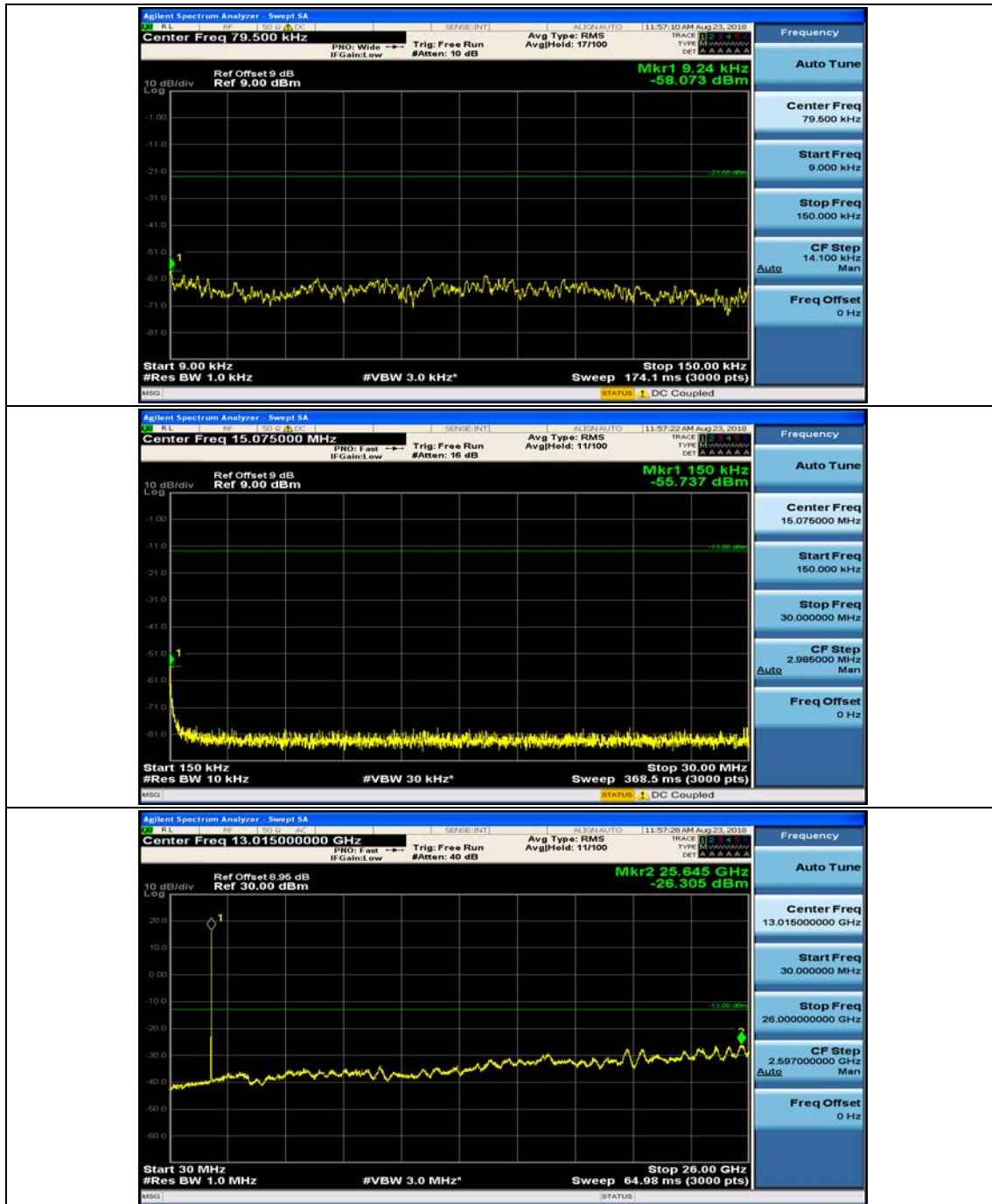


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#0

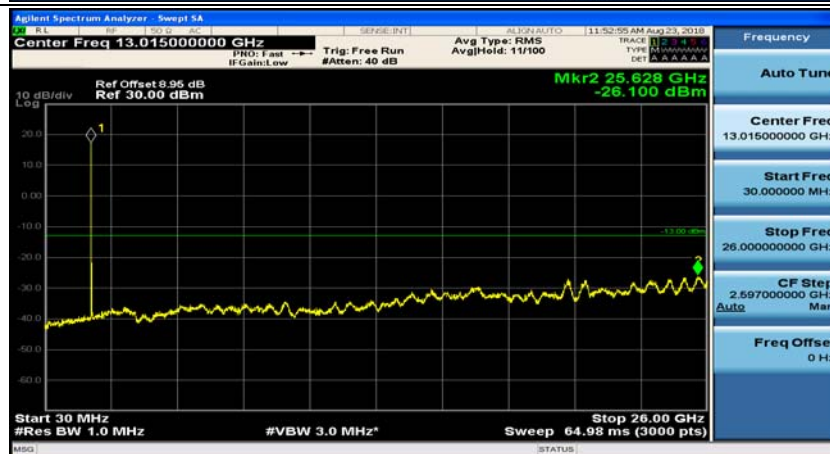
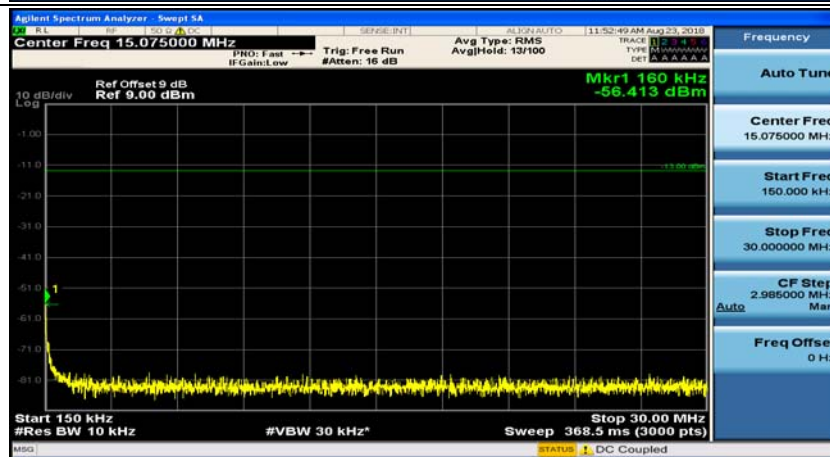
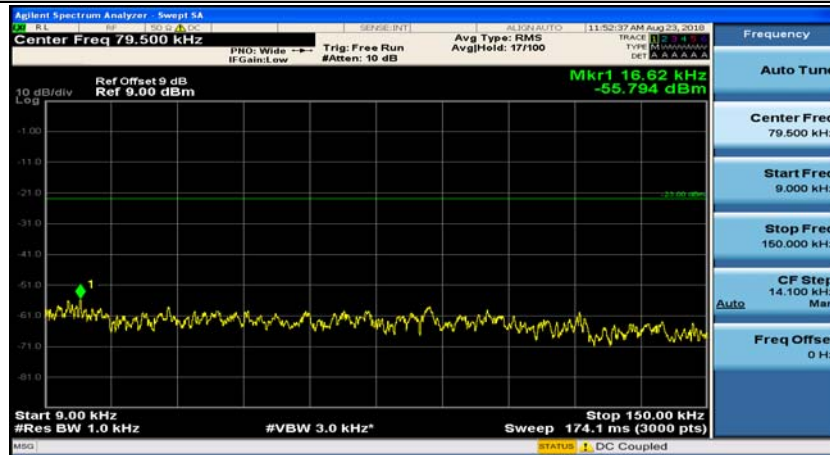


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#37

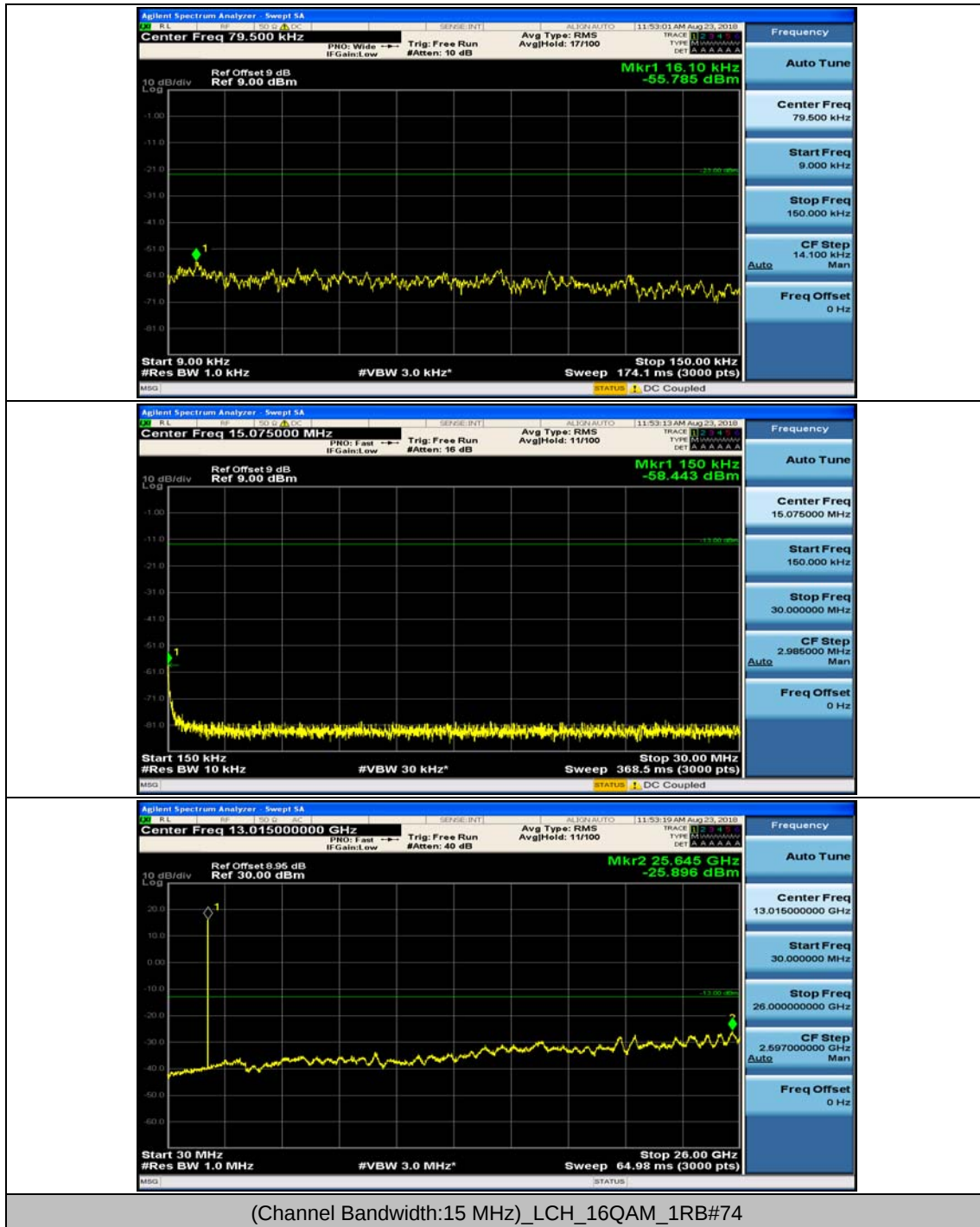


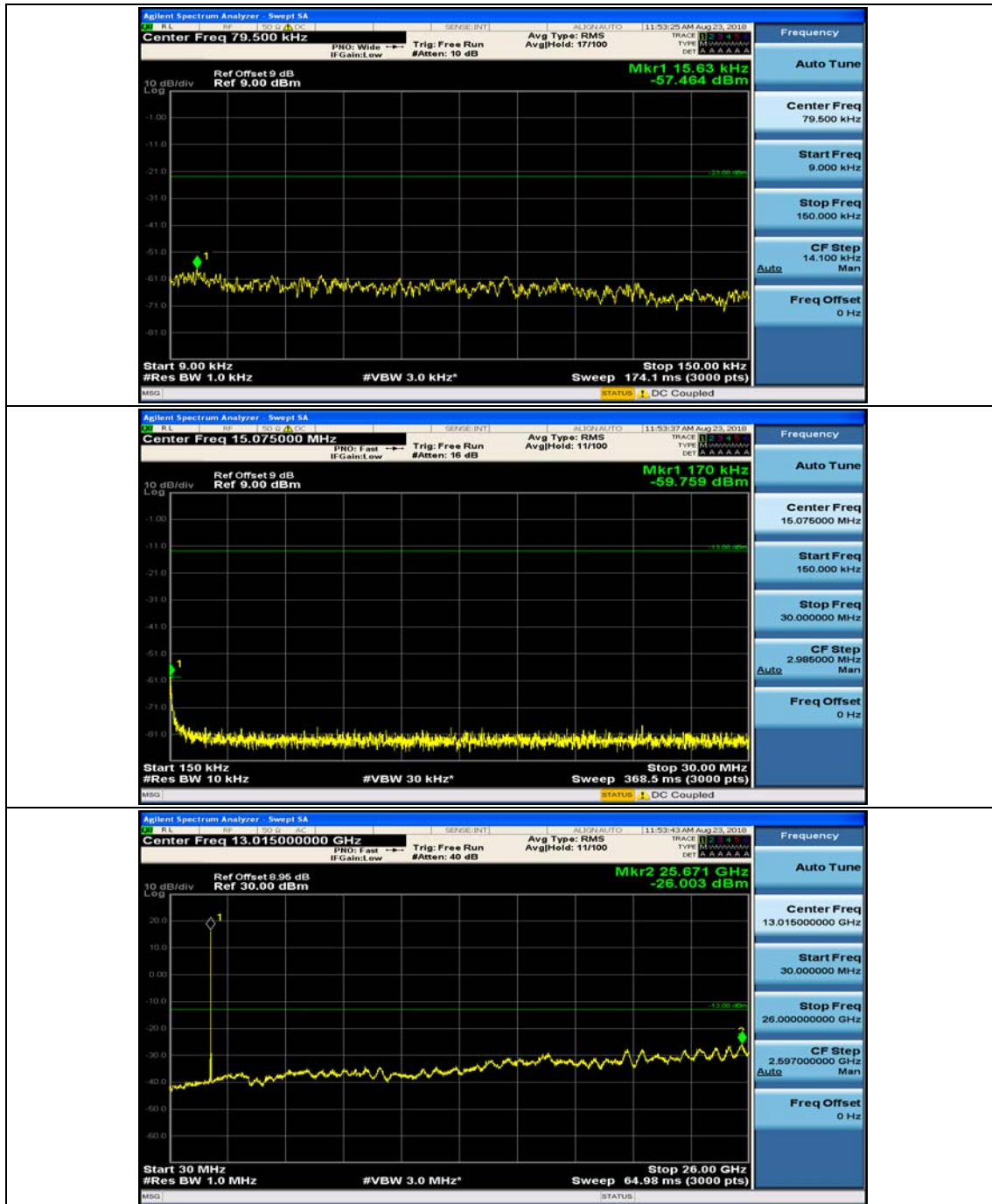


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0

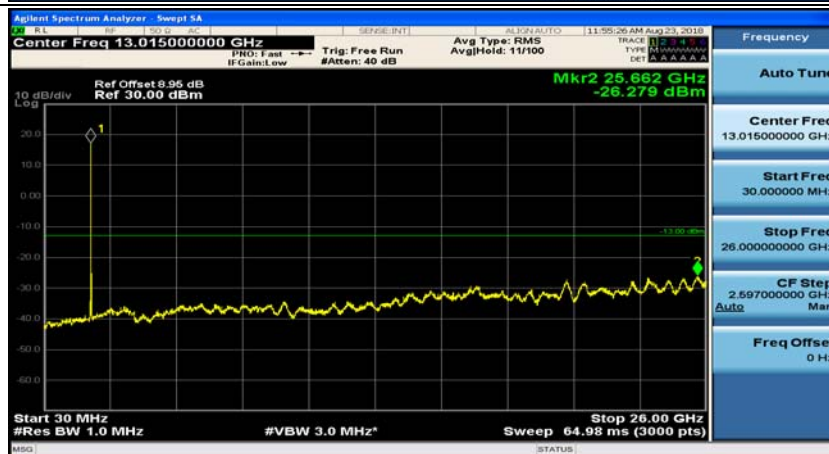
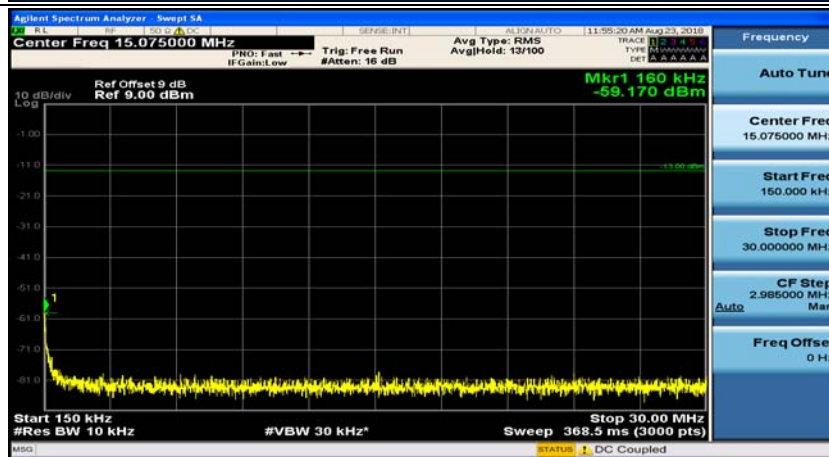


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37

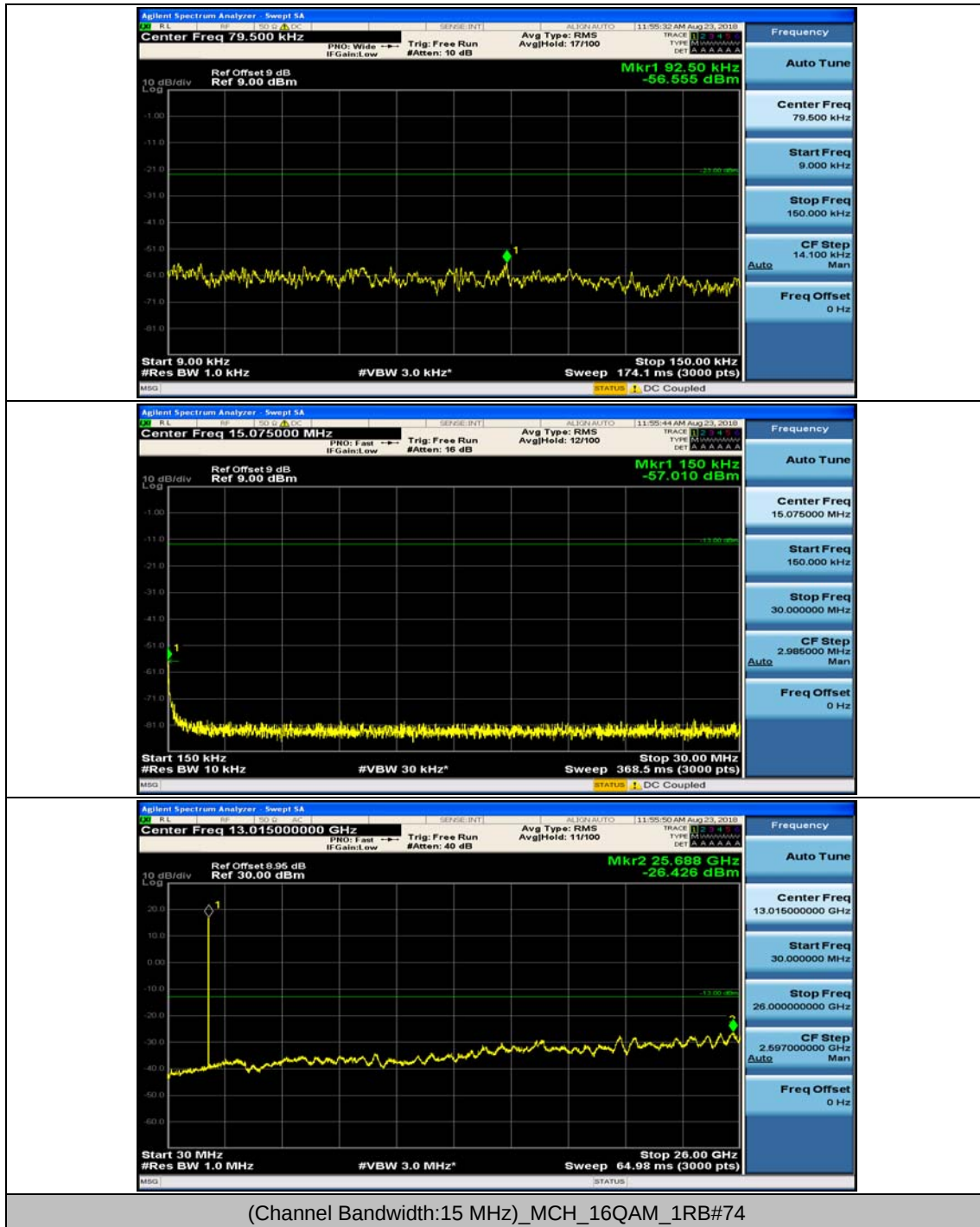


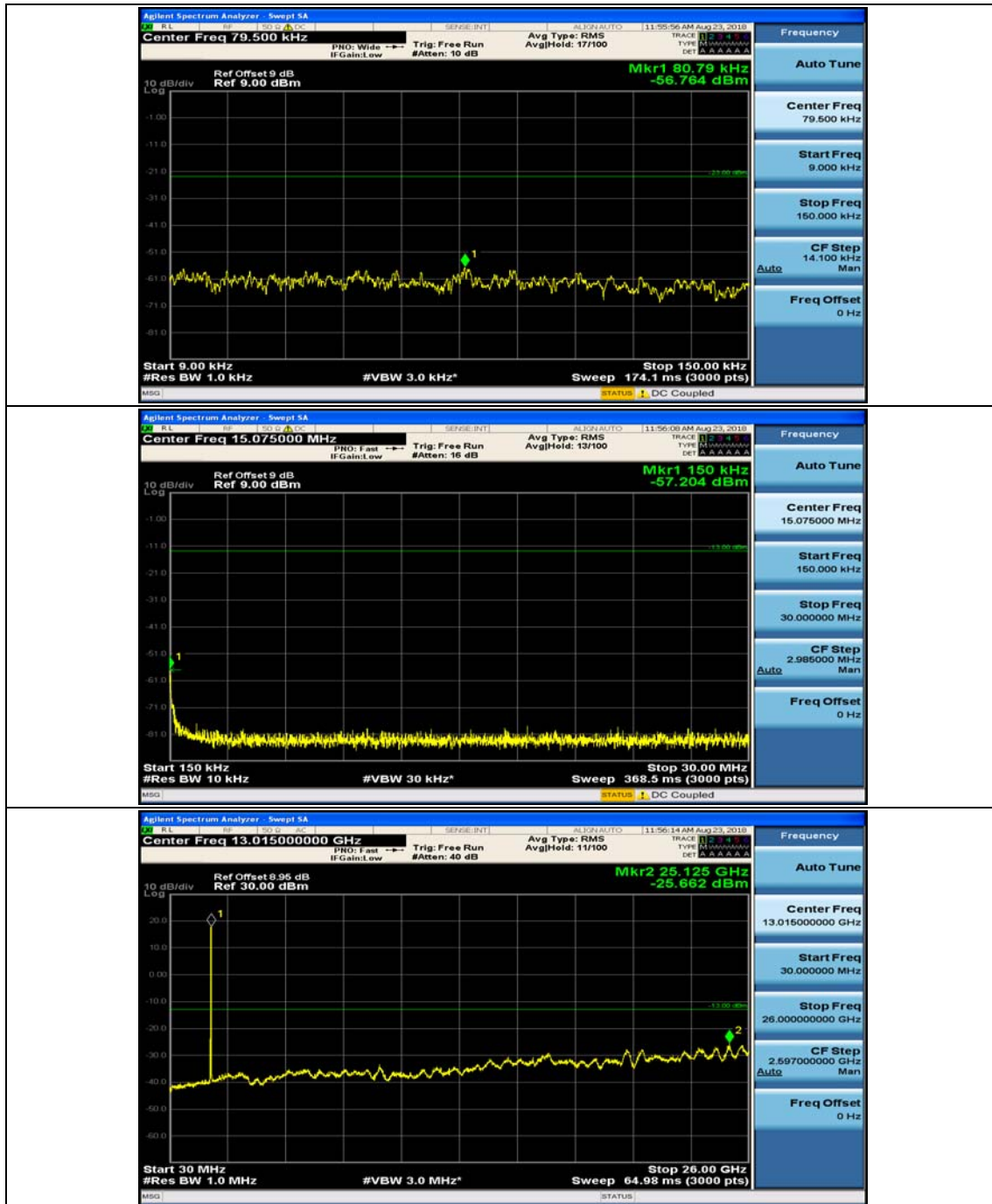


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0

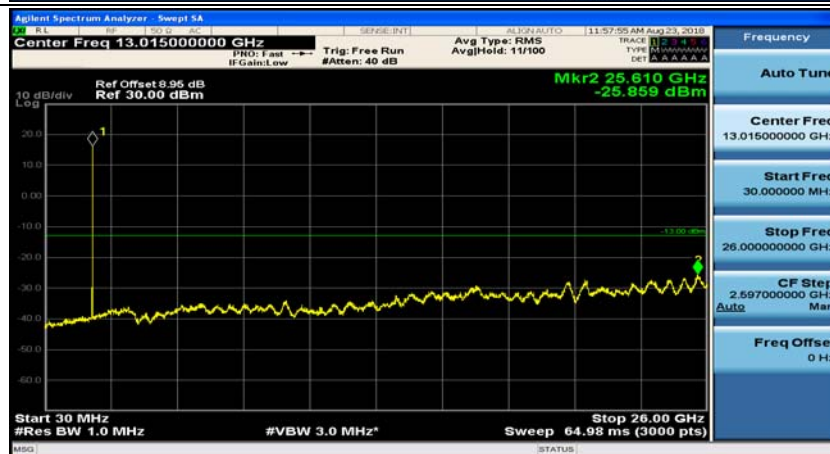
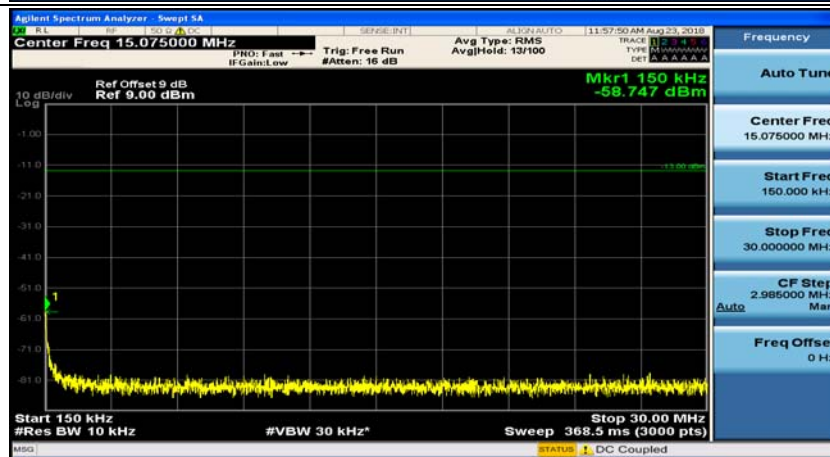


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37

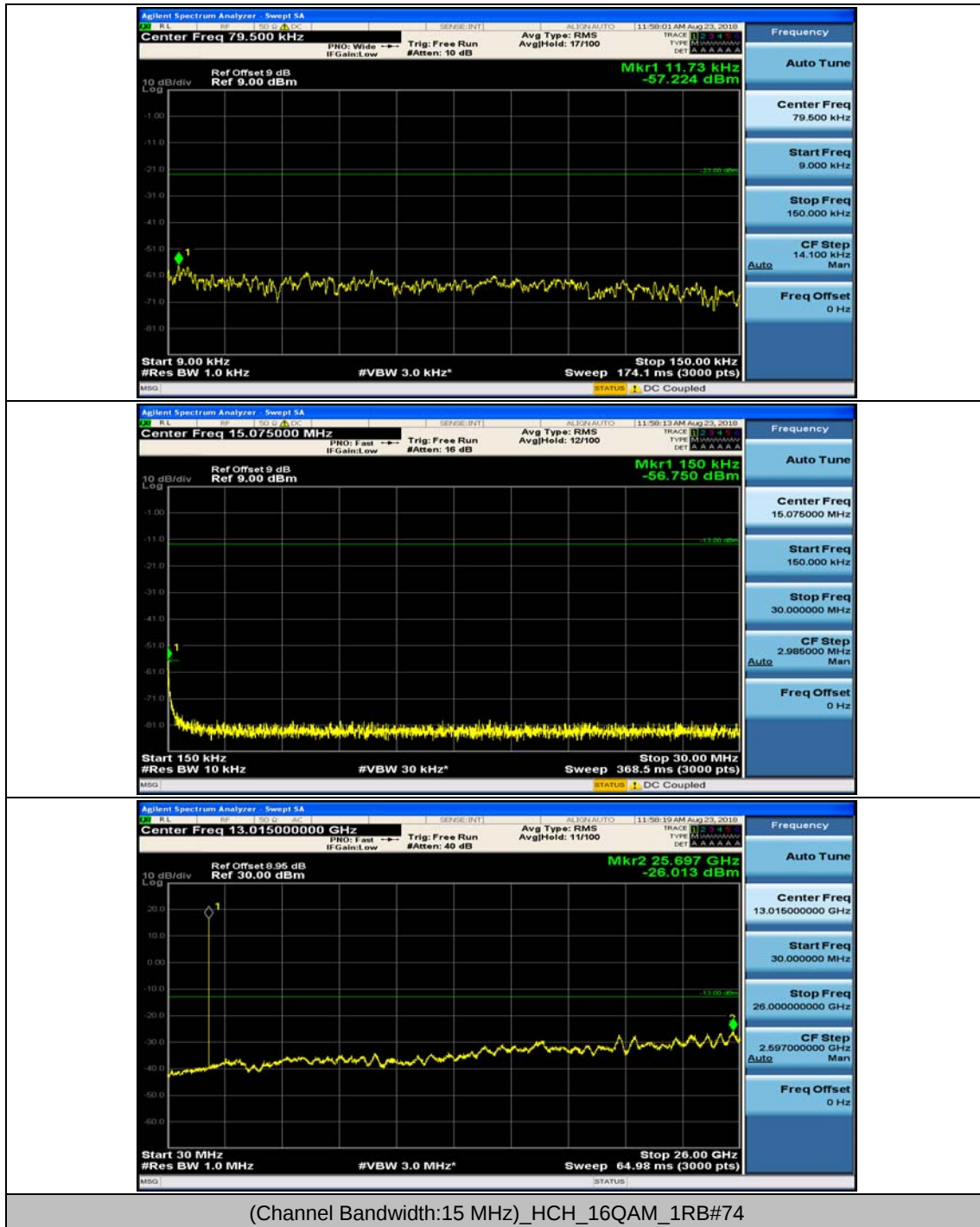


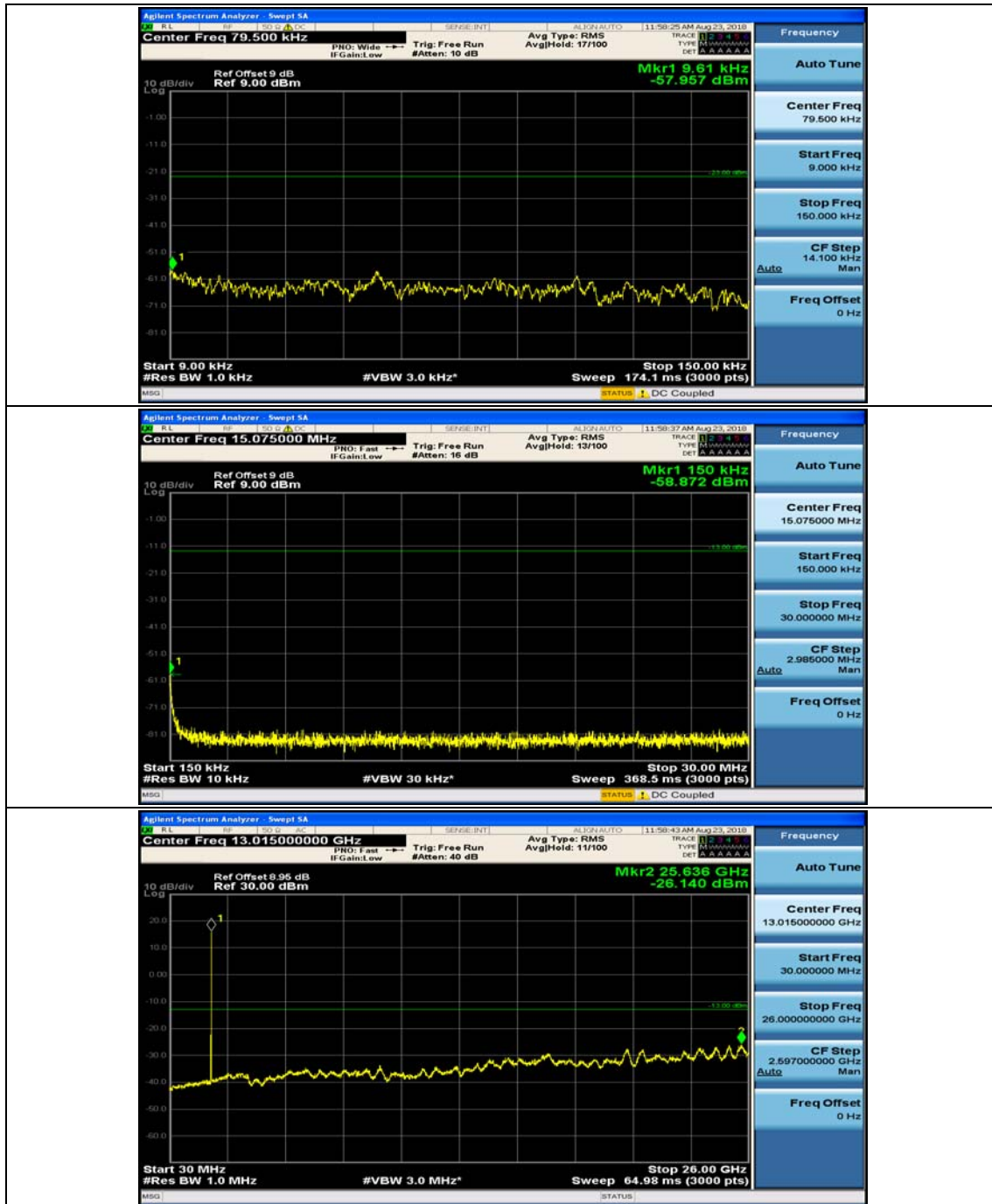


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0

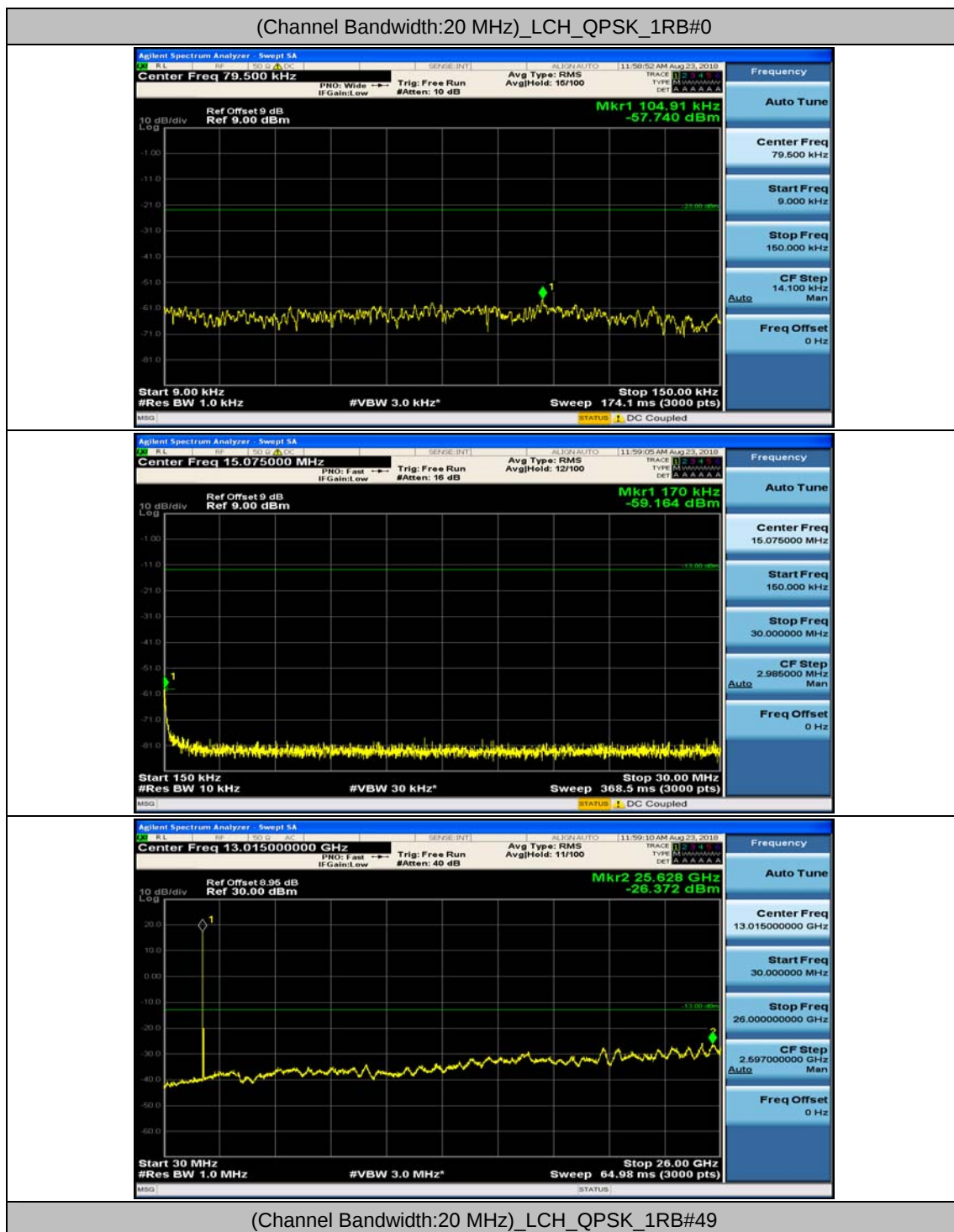


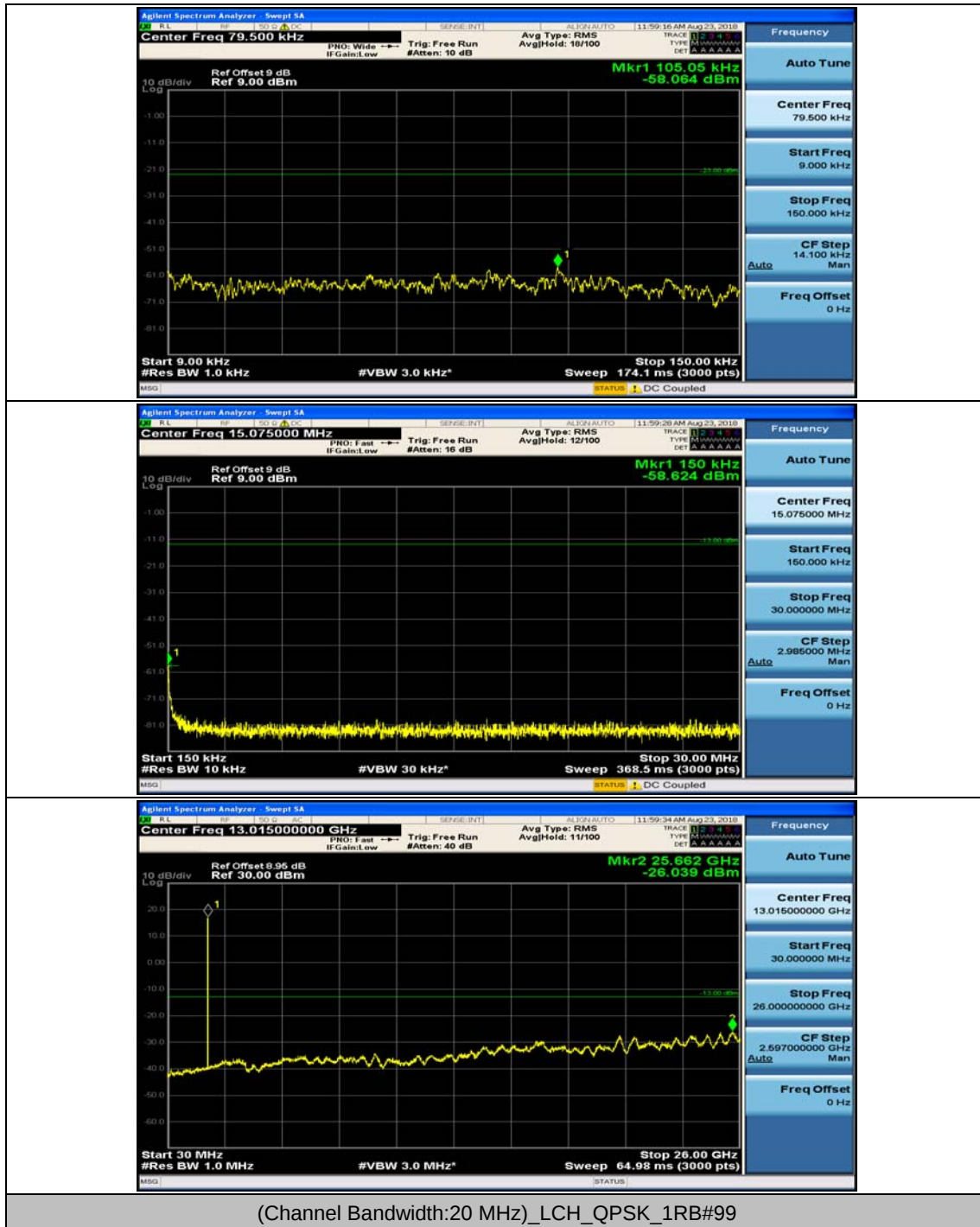
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37

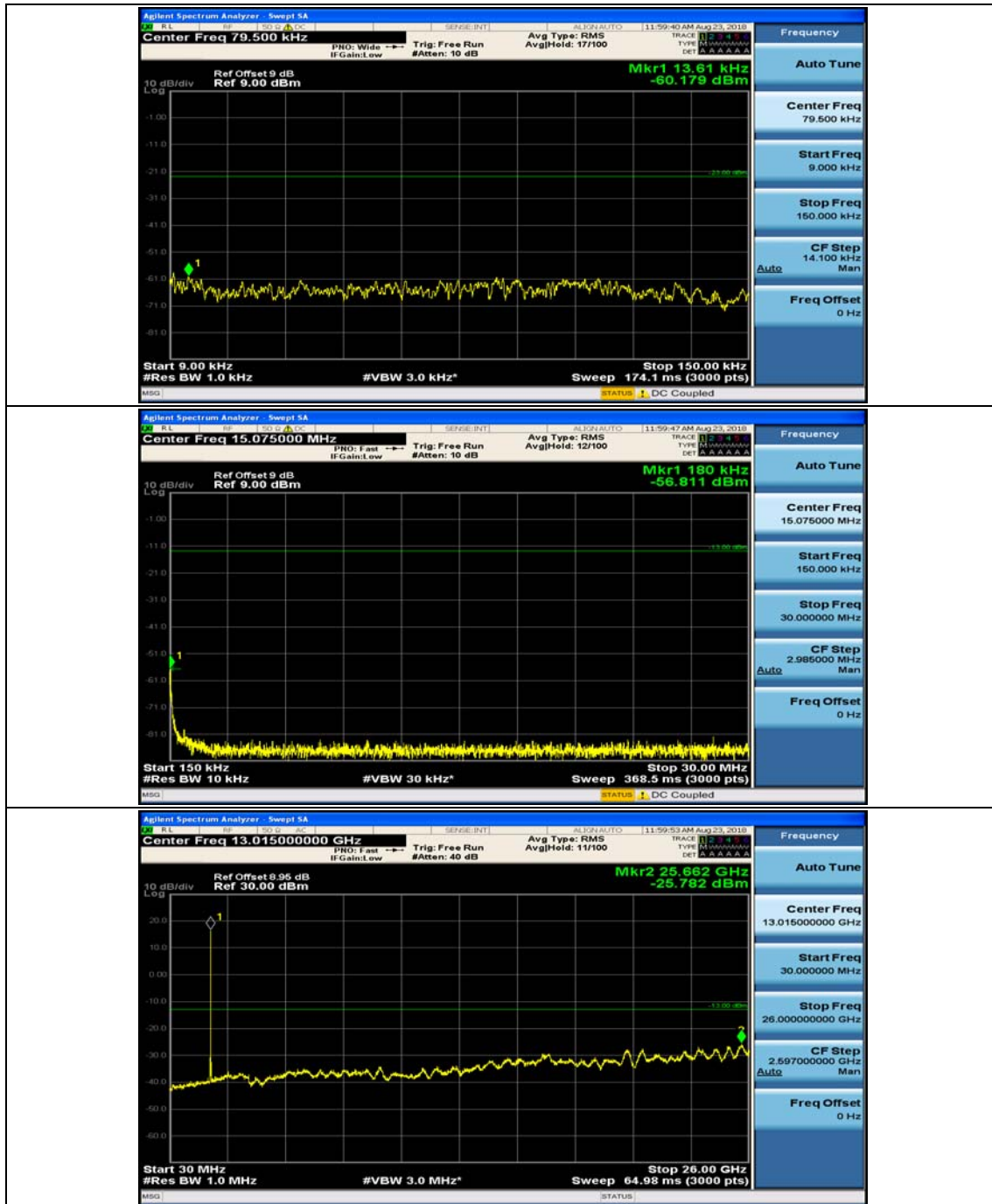




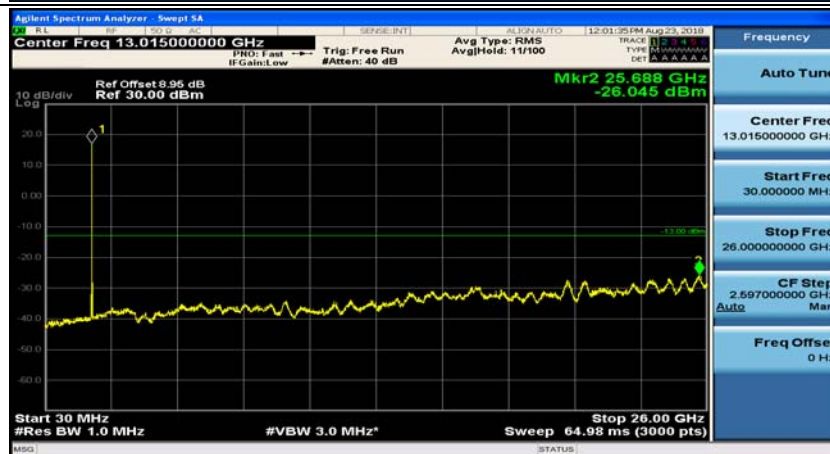
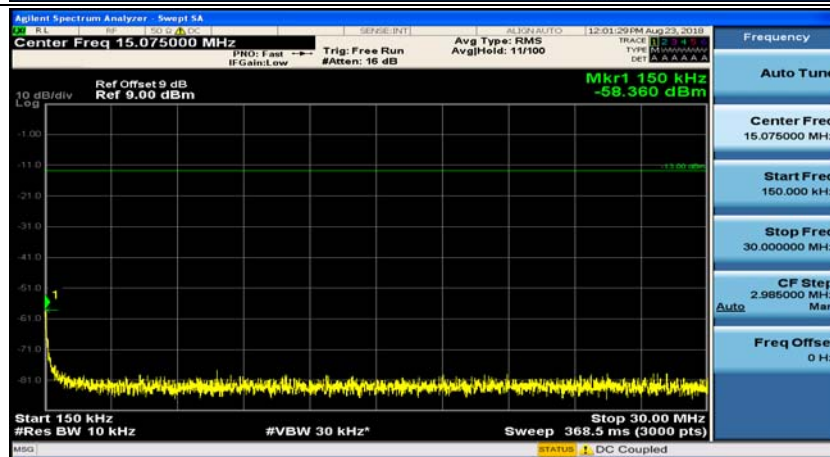
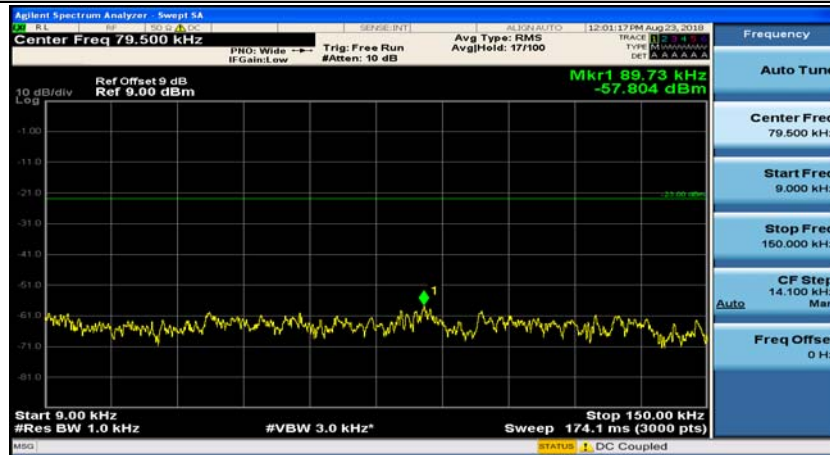
## Channel Bandwidth: 20 MHz



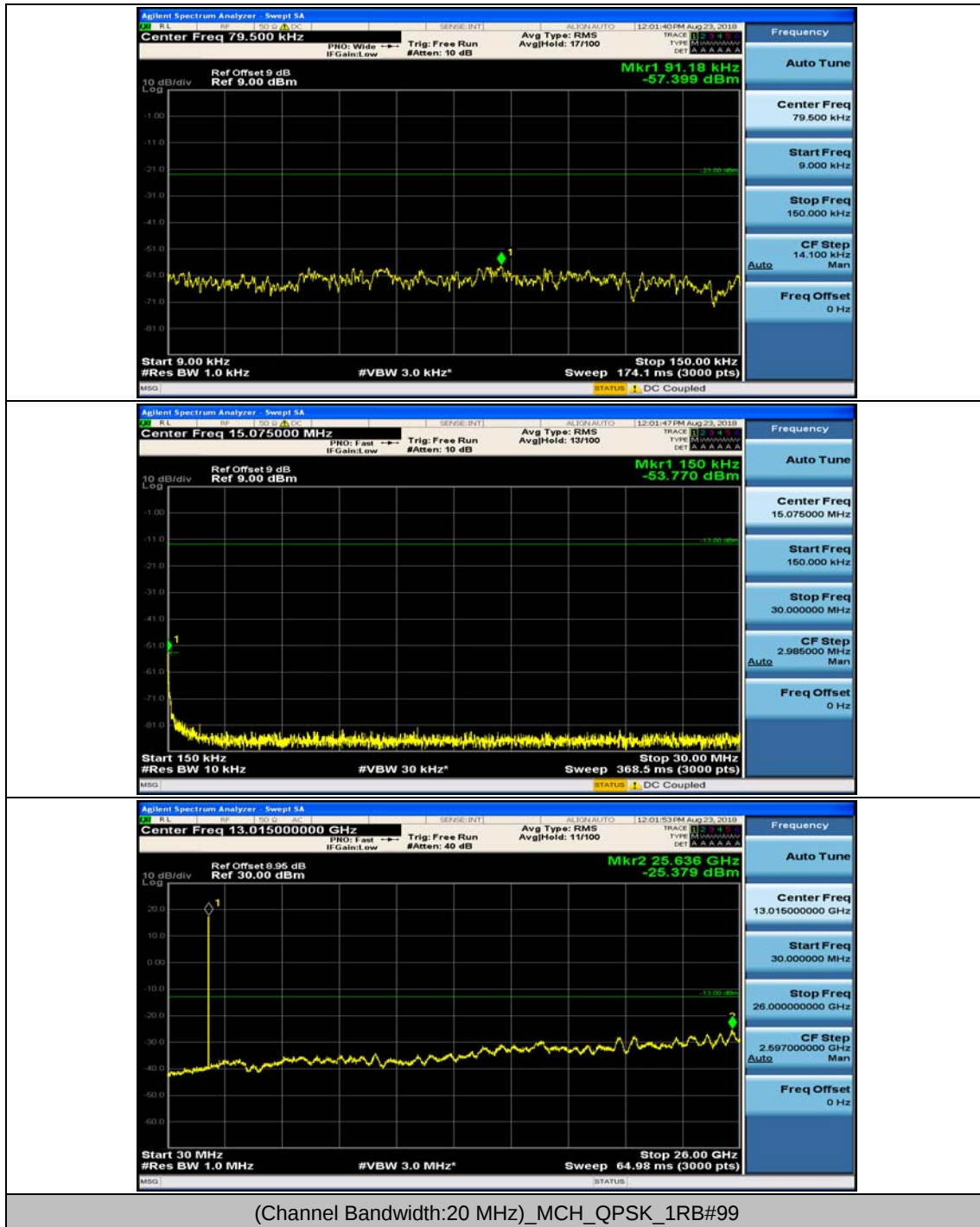


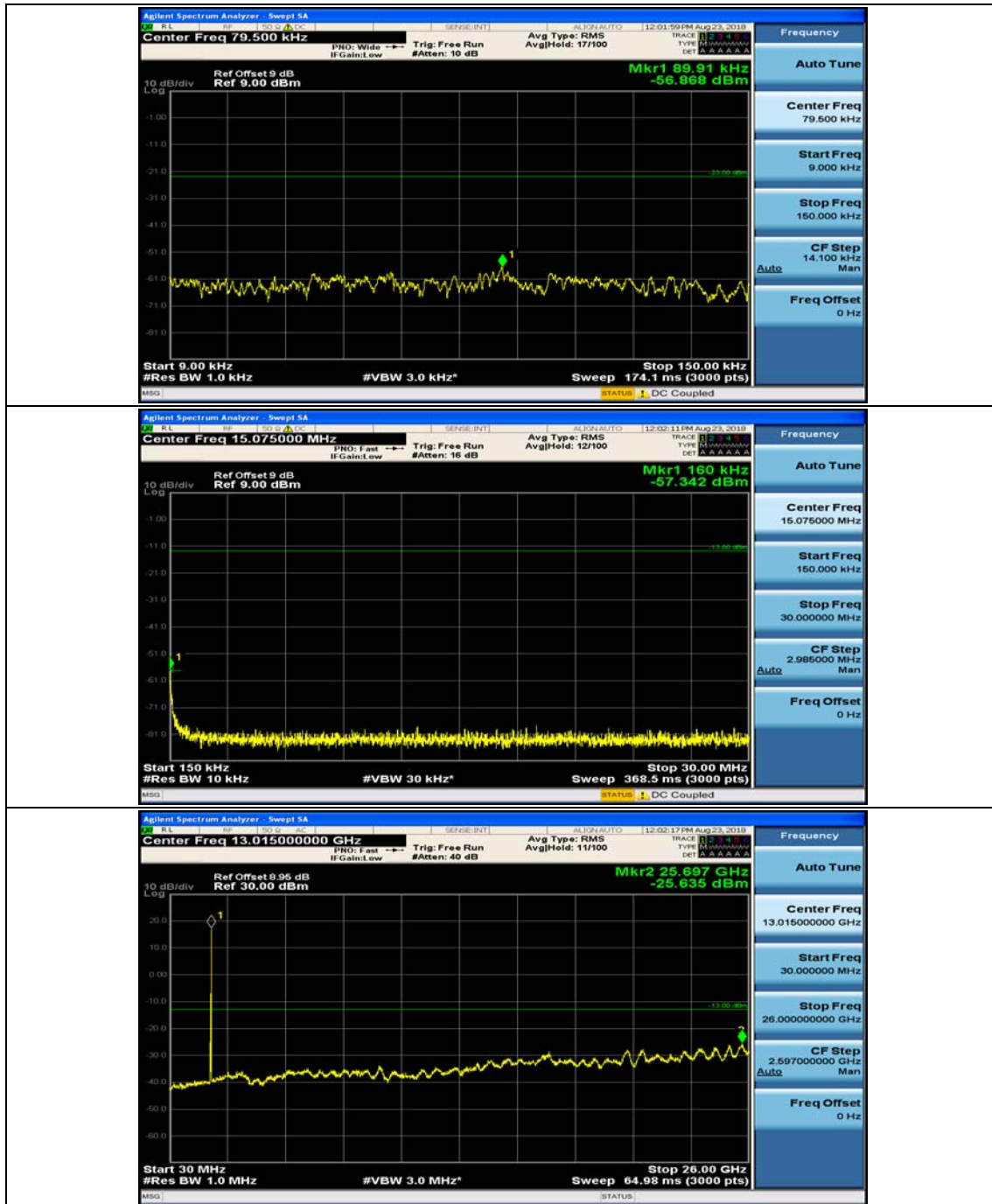


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0

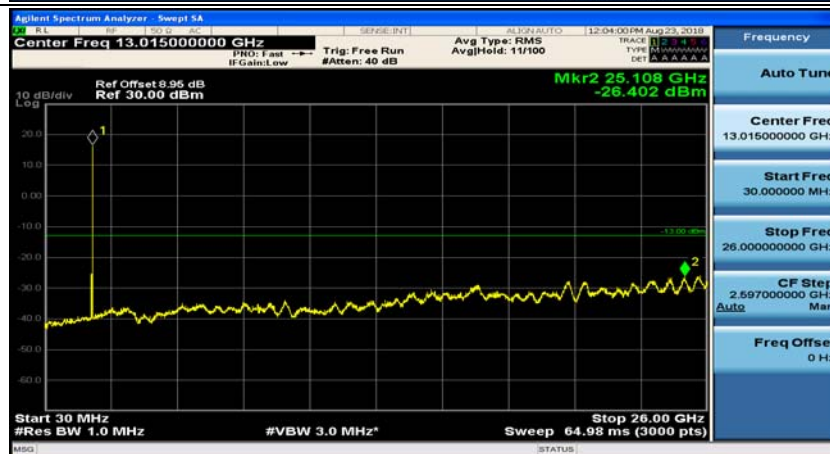
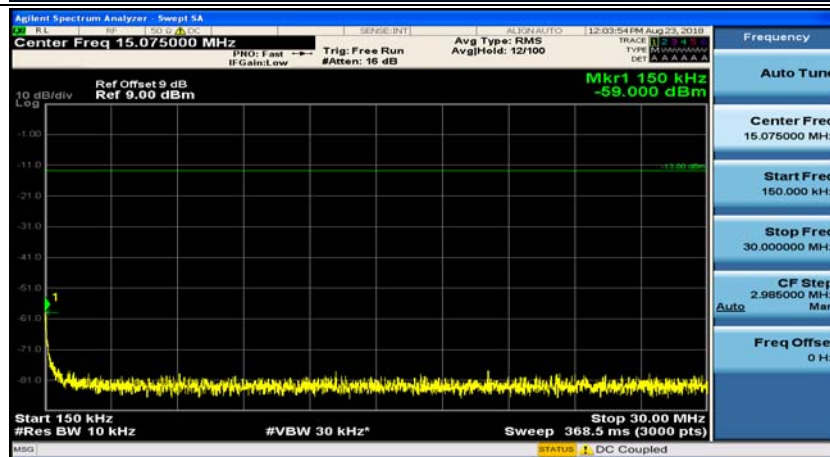
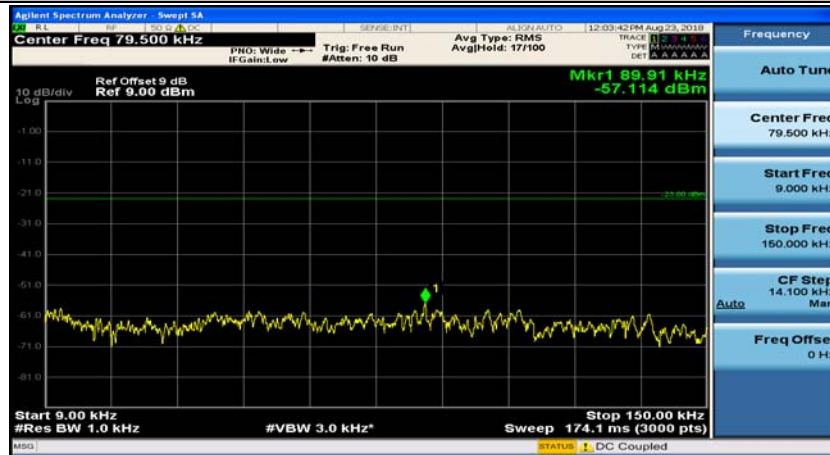


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49

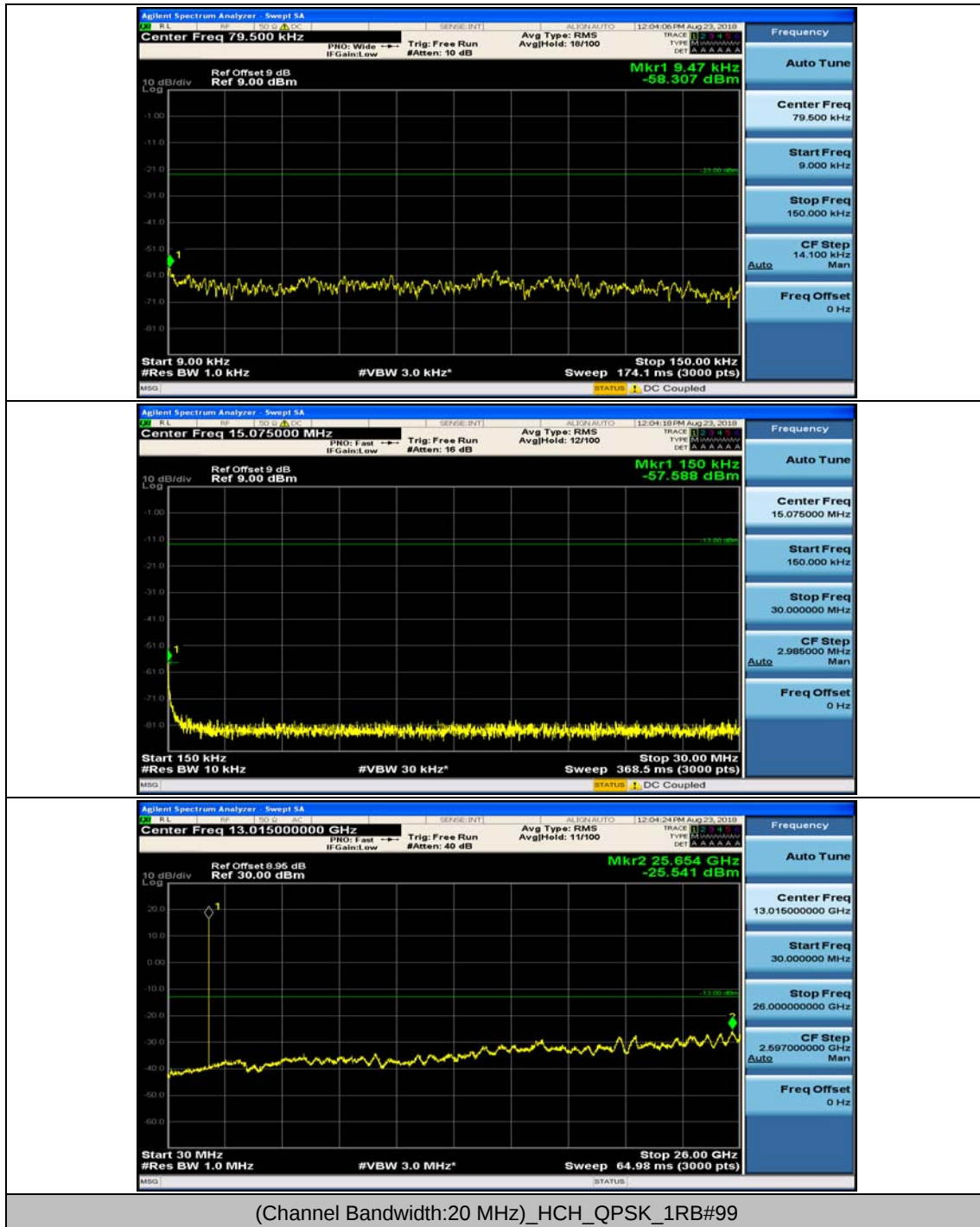


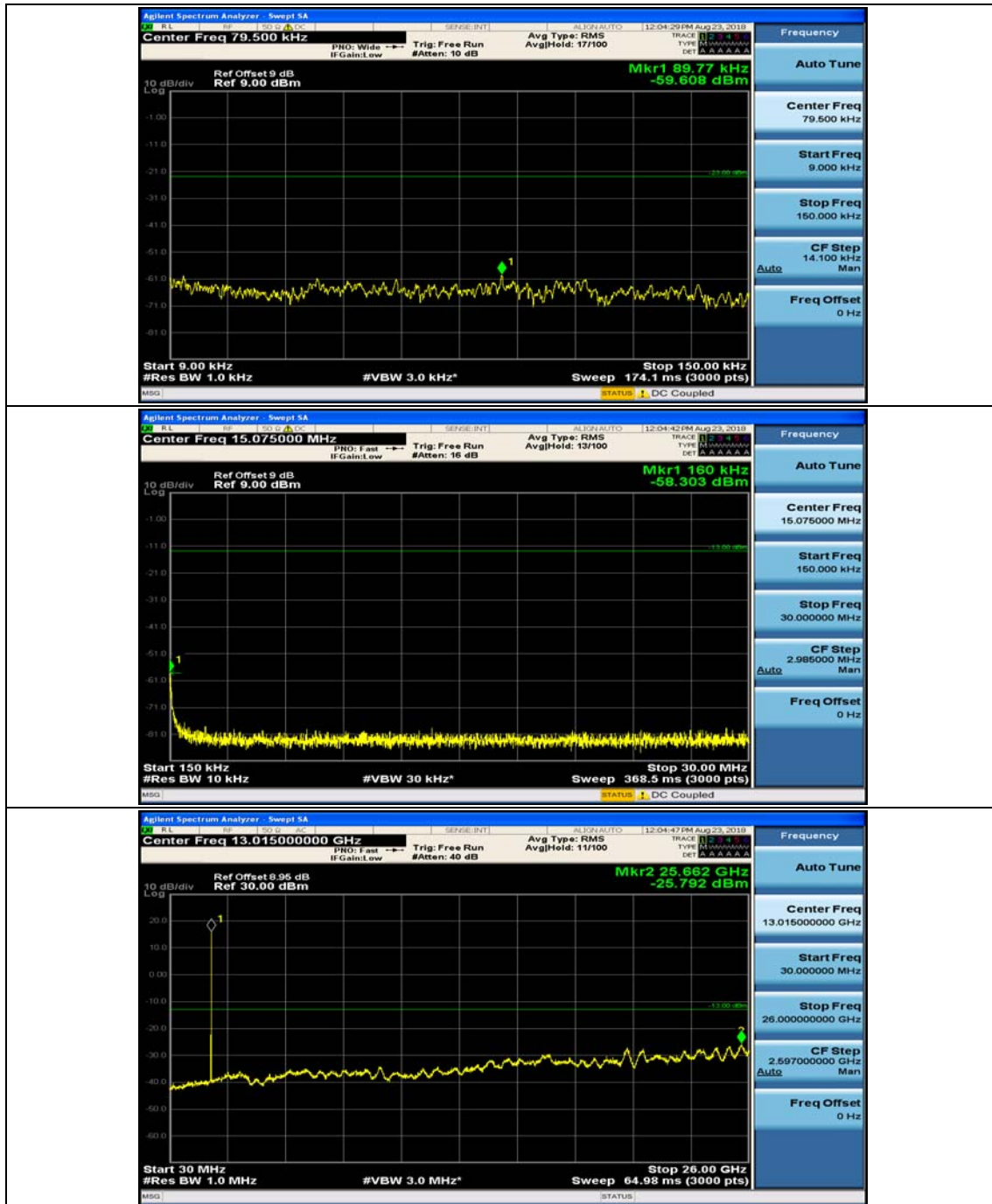


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

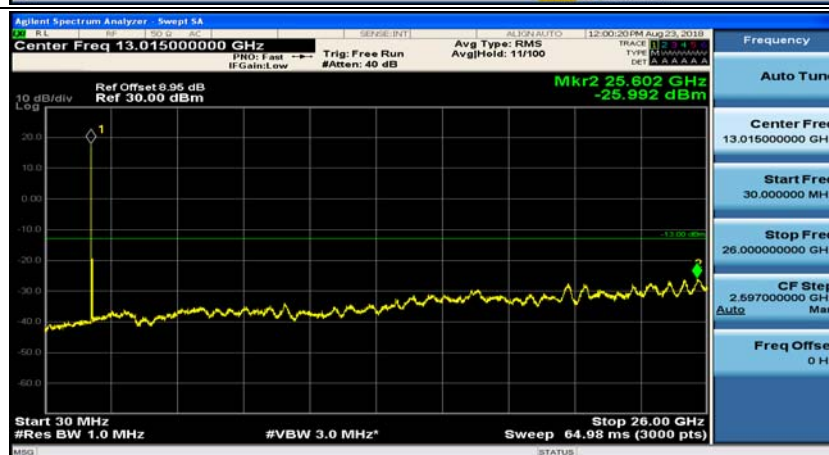
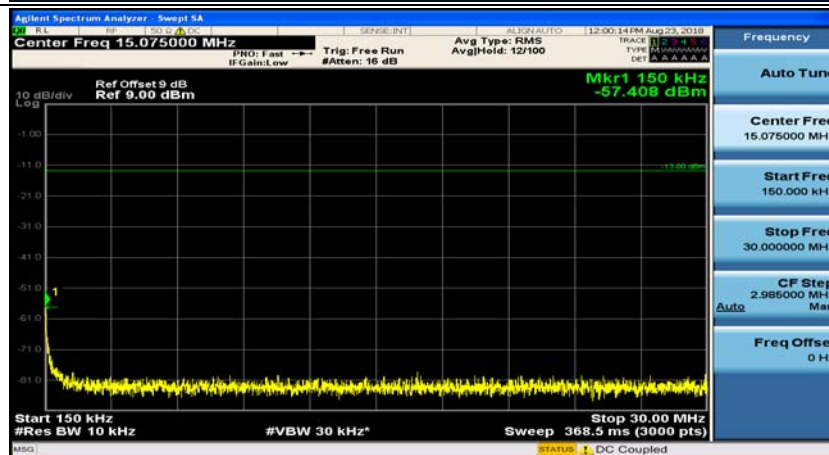


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49

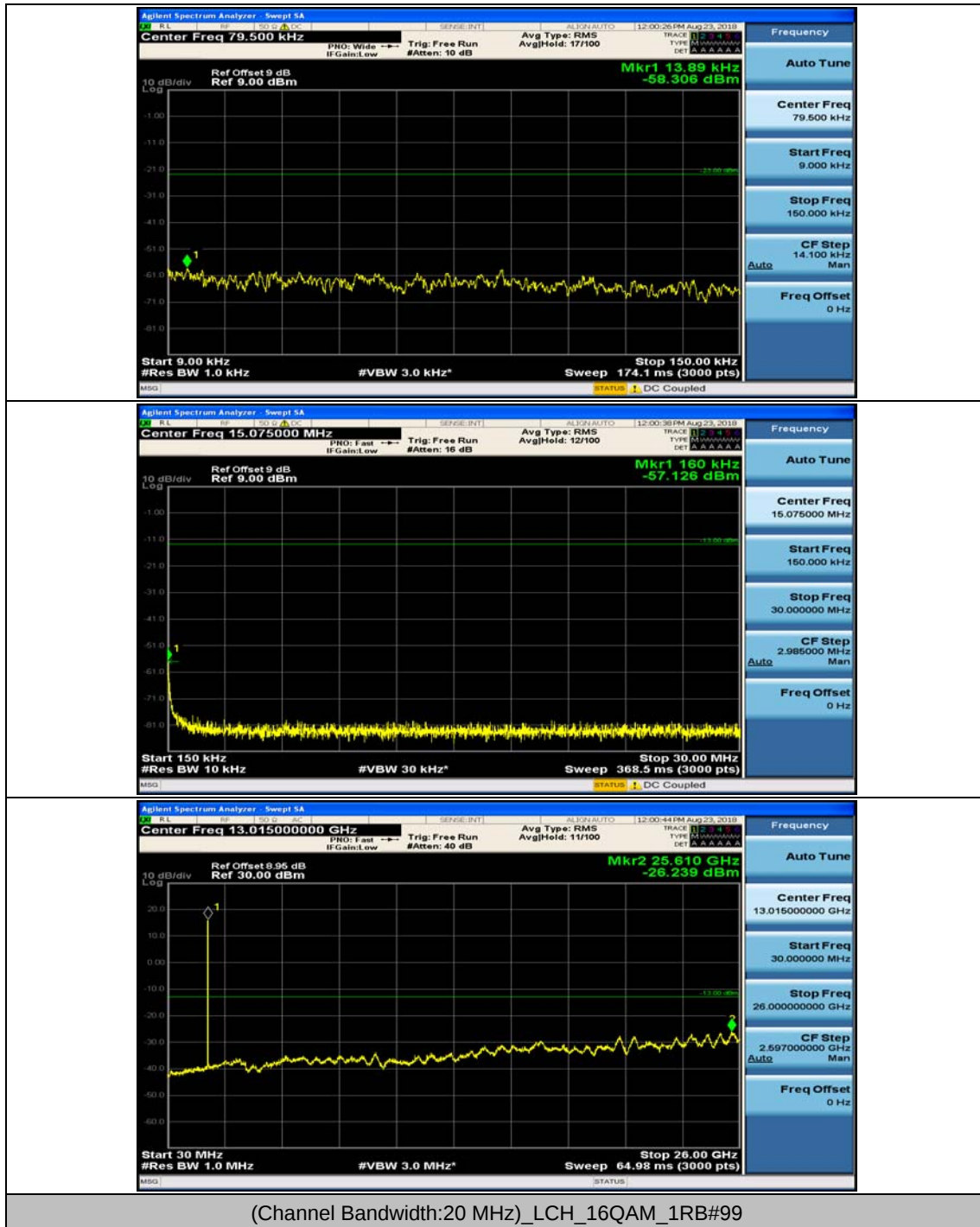


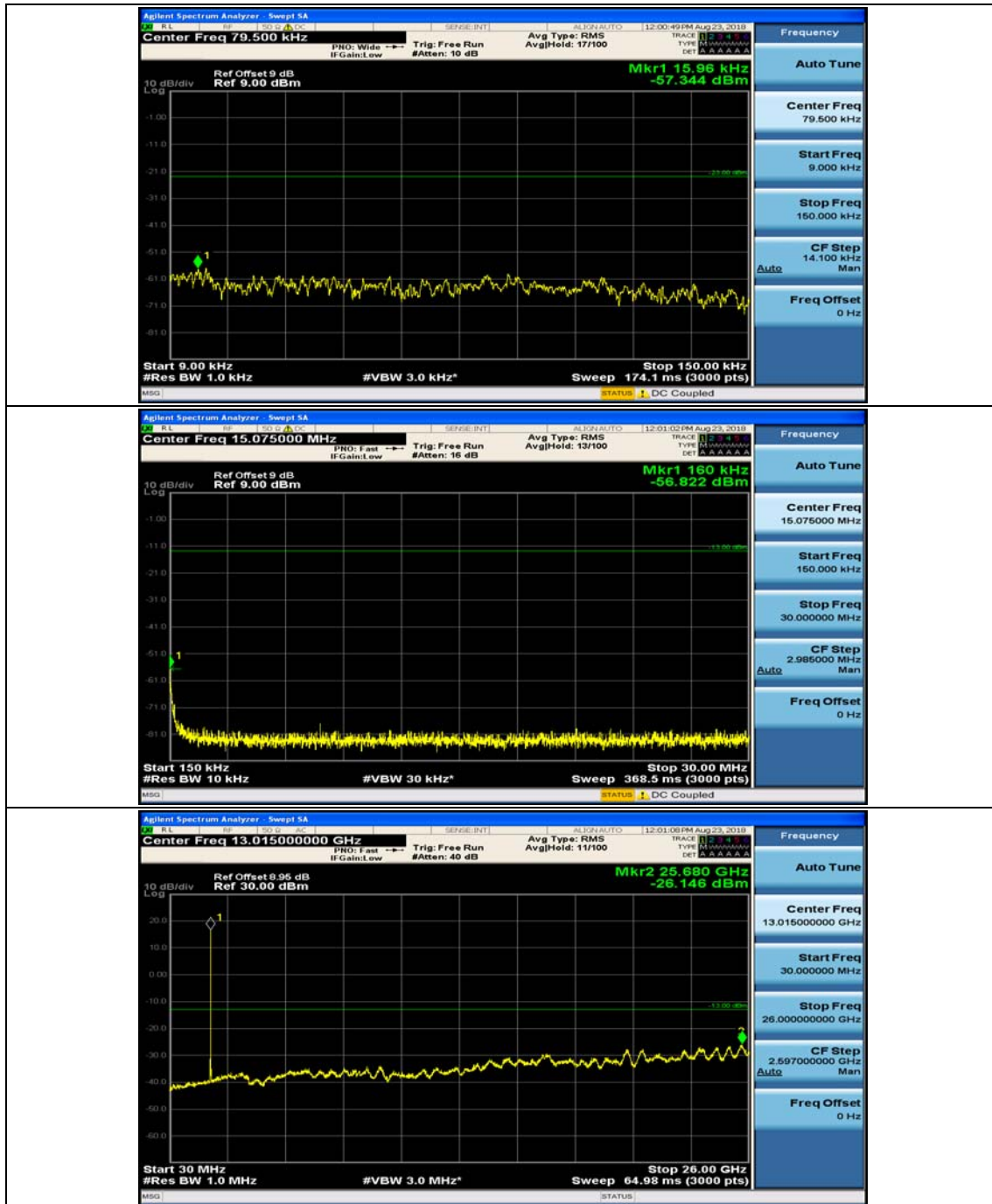


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0

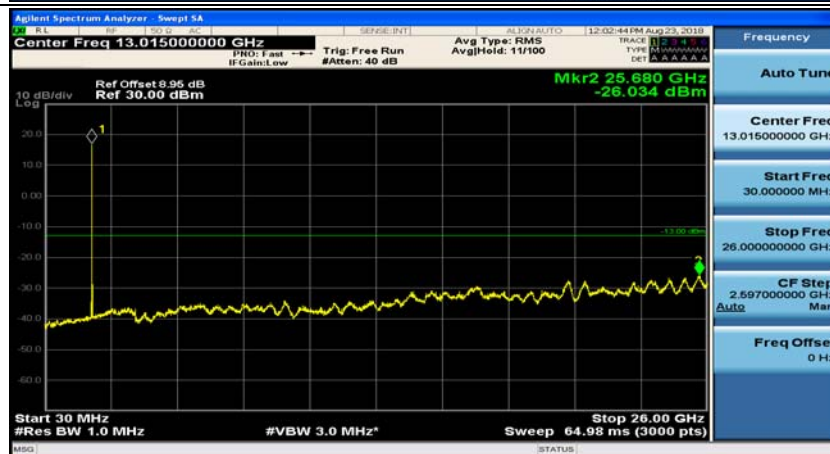
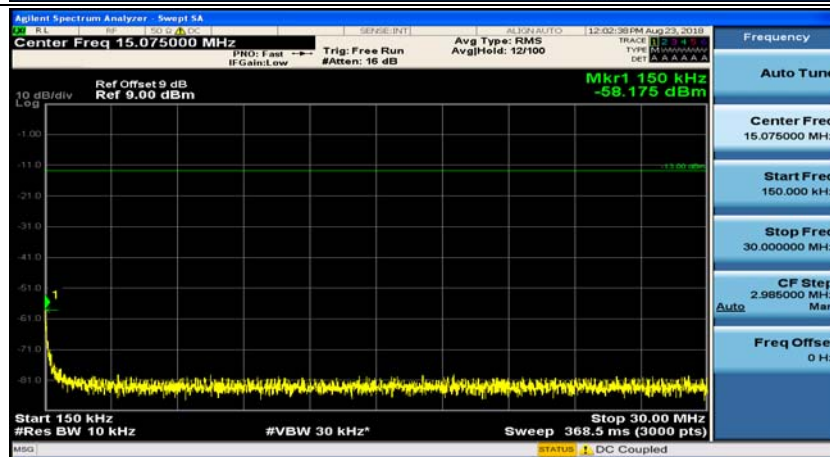


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49

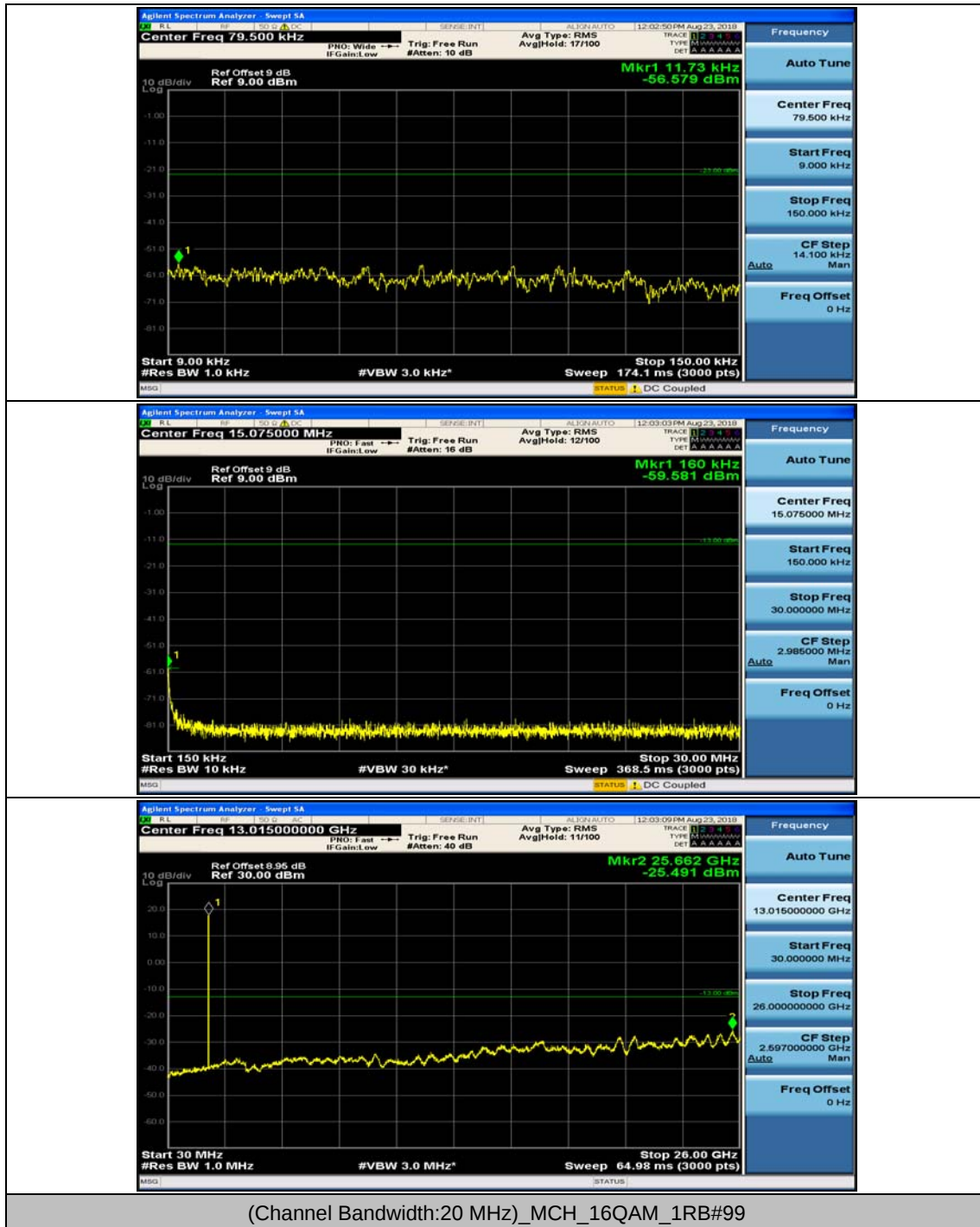


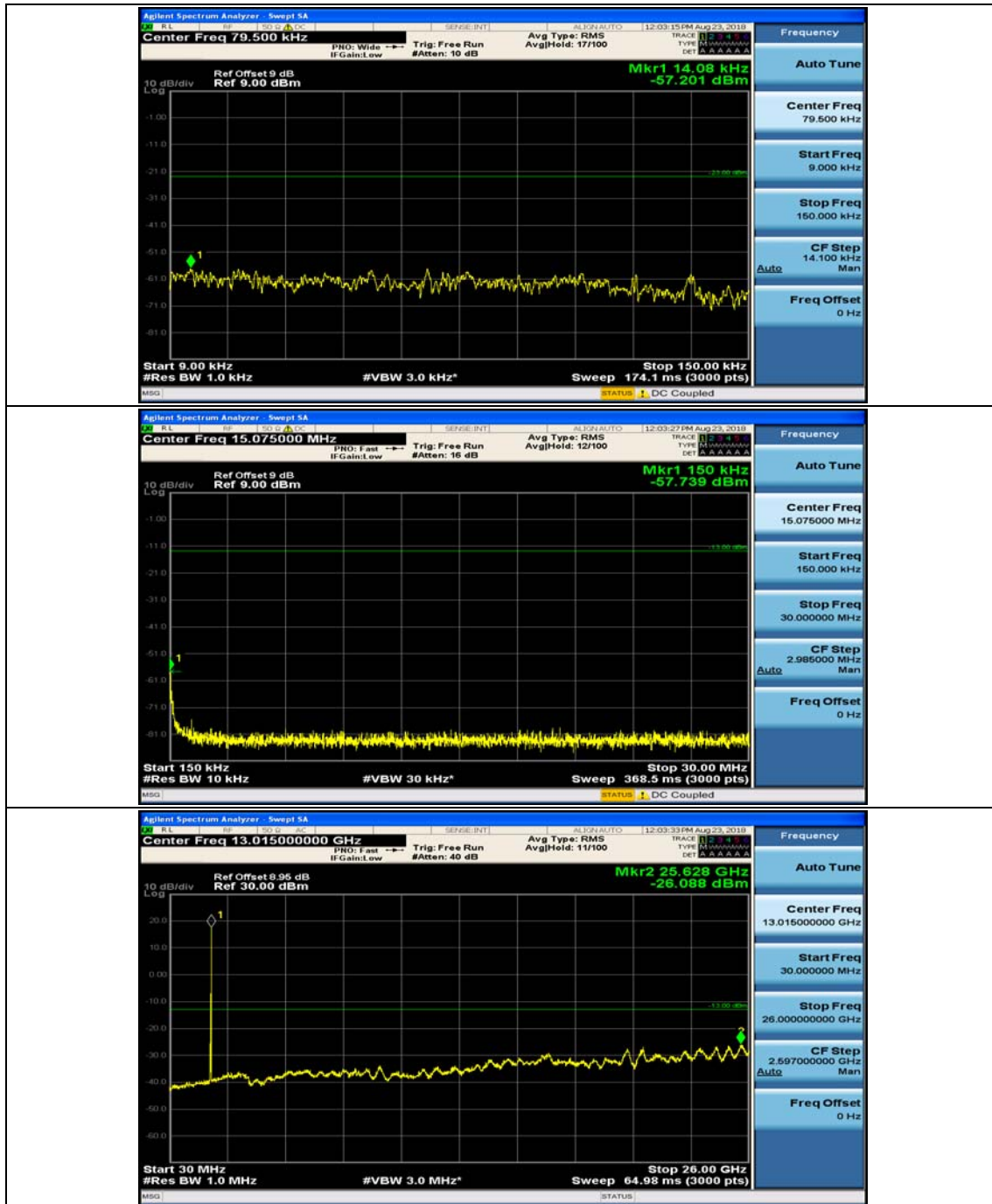


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

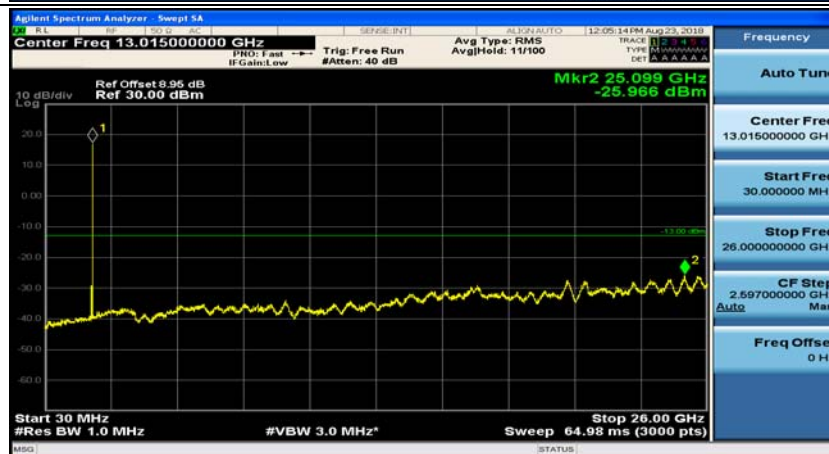
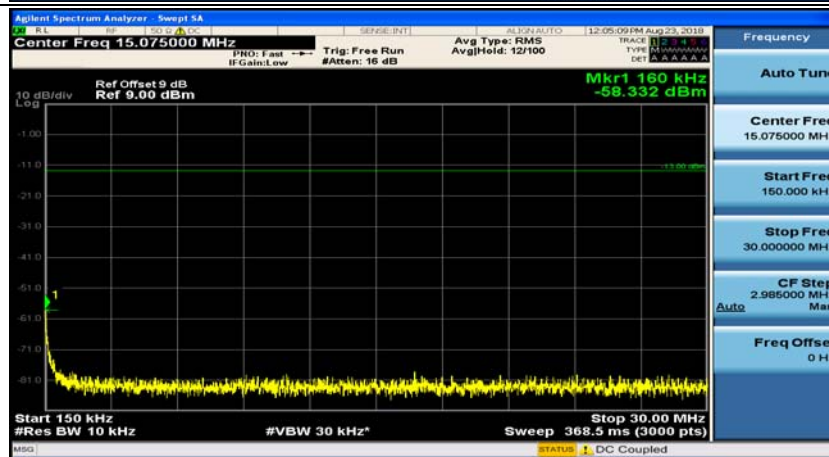


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49

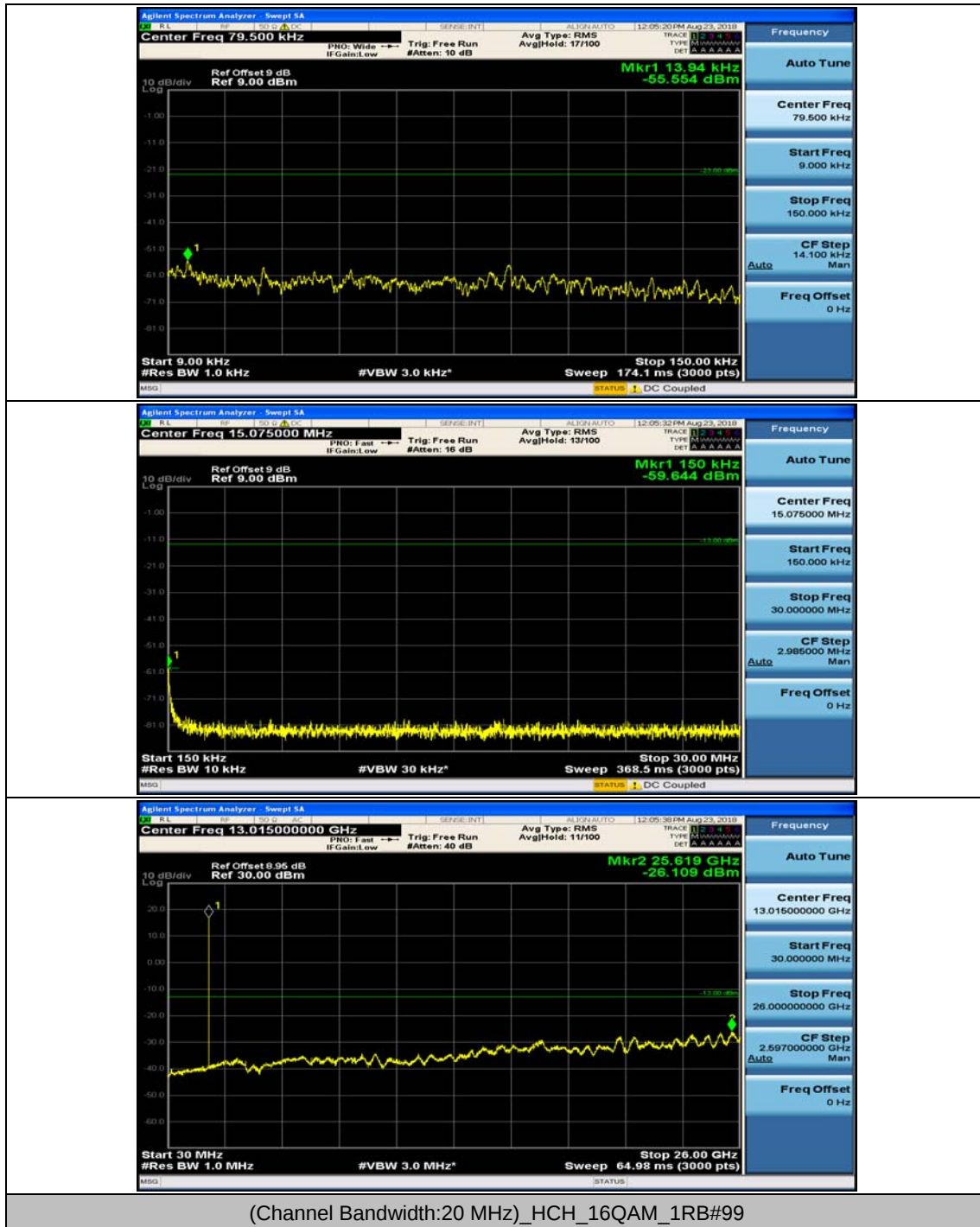


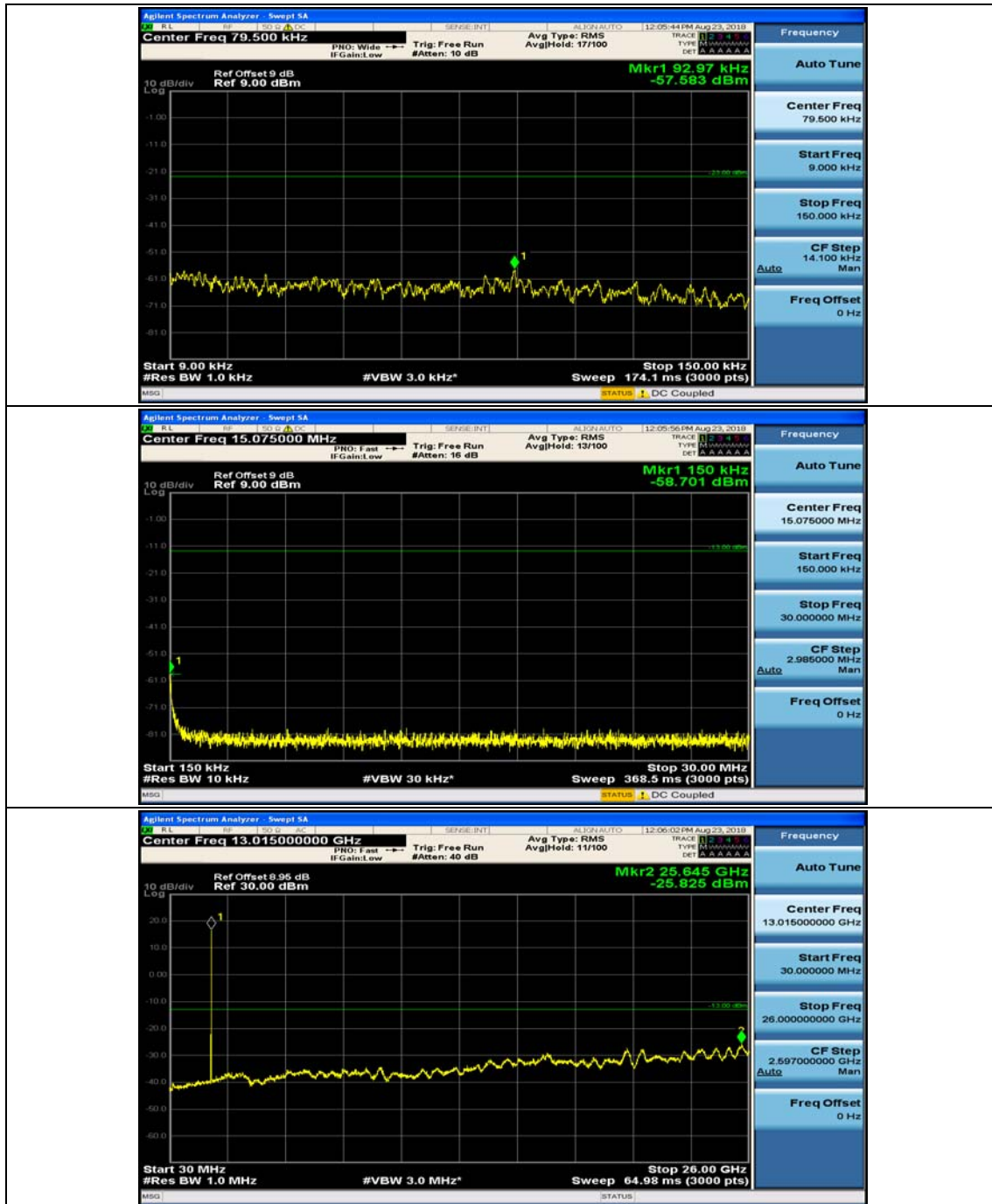


(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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               | 2.51           | 0.001356        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 4.74           | 0.002561        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 1.59           | 0.000859        | ± 2.5       | PASS    |
|                            | MCH     | VL            | TN               | -0.63          | -0.000335       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 3.46           | 0.001838        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 3.09           | 0.001641        | ± 2.5       | PASS    |
|                            | HCH     | VL            | TN               | -1.8           | -0.000940       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -0.93          | -0.000486       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 0.55           | 0.000287        | ± 2.5       | PASS    |
| 16QAM                      | LCH     | VL            | TN               | 3.37           | 0.001821        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 0.61           | 0.000330        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 3.04           | 0.001643        | ± 2.5       | PASS    |
|                            | MCH     | VL            | TN               | 0.29           | 0.000154        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 4.61           | 0.002449        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 3.08           | 0.001636        | ± 2.5       | PASS    |
|                            | HCH     | VL            | TN               | 1.44           | 0.000754        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 2.55           | 0.001336        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | -0.88          | -0.000461       | ± 2.5       | PASS    |
| Temperature                |         |               |                  |                |                 |             |         |
| Modulation                 | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                       | LCH     | VN            | -30              | -0.19          | -0.000103       | ± 2.5       | PASS    |
|                            |         | VN            | -20              | 4.01           | 0.002167        | ± 2.5       | PASS    |
|                            |         | VN            | -10              | -1.84          | -0.000994       | ± 2.5       | PASS    |
|                            |         | VN            | 0                | 4.66           | 0.002518        | ± 2.5       | PASS    |
|                            |         | VN            | 10               | 4.14           | 0.002237        | ± 2.5       | PASS    |
|                            |         | VN            | 20               | 1.91           | 0.001032        | ± 2.5       | PASS    |
|                            |         | VN            | 30               | 2.47           | 0.001335        | ± 2.5       | PASS    |
|                            |         | VN            | 40               | 2.74           | 0.001481        | ± 2.5       | PASS    |
|                            |         | VN            | 50               | 0.65           | 0.000351        | ± 2.5       | PASS    |
|                            | MCH     | VN            | -30              | 3.75           | 0.001992        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | -20 | -0.13 | -0.000069 | ± 2.5 | PASS |
|       |     | VN | -10 | 1.89  | 0.001004  | ± 2.5 | PASS |
|       |     | VN | 0   | 4.52  | 0.002401  | ± 2.5 | PASS |
|       |     | VN | 10  | -1.49 | -0.000792 | ± 2.5 | PASS |
|       |     | VN | 20  | 4.42  | 0.002348  | ± 2.5 | PASS |
|       |     | VN | 30  | 1.21  | 0.000643  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.79  | 0.002544  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.05  | 0.001620  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 1.13  | 0.000590  | ± 2.5 | PASS |
|       |     | VN | -20 | 4.16  | 0.002173  | ± 2.5 | PASS |
|       |     | VN | -10 | -1.19 | -0.000622 | ± 2.5 | PASS |
|       |     | VN | 0   | -0.84 | -0.000439 | ± 2.5 | PASS |
|       |     | VN | 10  | -1.26 | -0.000658 | ± 2.5 | PASS |
|       |     | VN | 20  | -1.84 | -0.000961 | ± 2.5 | PASS |
|       |     | VN | 30  | 3.74  | 0.001954  | ± 2.5 | PASS |
|       |     | VN | 40  | -1.78 | -0.000930 | ± 2.5 | PASS |
|       |     | VN | 50  | -1.21 | -0.000632 | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 0.62  | 0.000335  | ± 2.5 | PASS |
|       |     | VN | -20 | 3.27  | 0.001767  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.04  | 0.001643  | ± 2.5 | PASS |
|       |     | VN | 0   | 3.08  | 0.001664  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.51  | 0.000276  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.21 | -0.000113 | ± 2.5 | PASS |
|       |     | VN | 30  | 2.99  | 0.001616  | ± 2.5 | PASS |
|       |     | VN | 40  | 1.11  | 0.000600  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.46  | 0.002410  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 3.36  | 0.001785  | ± 2.5 | PASS |
|       |     | VN | -20 | 1.65  | 0.000876  | ± 2.5 | PASS |
|       |     | VN | -10 | -1.5  | -0.000797 | ± 2.5 | PASS |
|       |     | VN | 0   | 1.67  | 0.000887  | ± 2.5 | PASS |
|       |     | VN | 10  | 2.38  | 0.001264  | ± 2.5 | PASS |
|       |     | VN | 20  | 0.14  | 0.000074  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.79  | 0.002544  | ± 2.5 | PASS |
|       |     | VN | 40  | 0.83  | 0.000441  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.64  | 0.001934  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 2.12  | 0.001107  | ± 2.5 | PASS |
|       |     | VN | -20 | 1.91  | 0.000998  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.61  | 0.000841  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.49 | -0.000256 | ± 2.5 | PASS |
|       |     | VN | 10  | 3.08  | 0.001609  | ± 2.5 | PASS |
|       |     | VN | 20  | 4.24  | 0.002215  | ± 2.5 | PASS |

|  |  |    |    |      |          |       |      |
|--|--|----|----|------|----------|-------|------|
|  |  | VN | 30 | 0.23 | 0.000120 | ± 2.5 | PASS |
|  |  | VN | 40 | 4.86 | 0.002539 | ± 2.5 | PASS |
|  |  | VN | 50 | 4.8  | 0.002507 | ± 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               | 0.27           | 0.000146        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.83           | 0.000448        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1              | 0.000540        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 4.38           | 0.002327        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 4.85           | 0.002576        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.16           | 0.000616        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -1.62          | -0.000847       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.02           | 0.000010        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.66           | 0.000868        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 2.48           | 0.001339        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.71           | 0.000383        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.23           | 0.001745        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 2.78           | 0.001477        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.46           | 0.000776        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.62           | 0.001923        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 4.58           | 0.002394        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.85          | -0.000967       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.23           | 0.002211        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 2.57           | 0.001388        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 1.94           | 0.001048        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 1.85           | 0.000999        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 4.52           | 0.002441        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 0.8            | 0.000432        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 0.54           | 0.000292        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | 2.84           | 0.001534        | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 3.71           | 0.002004        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 2.05           | 0.001107        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | 1.75           | 0.000930        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -0.66          | -0.000351       | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | -10 | 4.45  | 0.002364  | ± 2.5 | PASS |
|       |     | VN | 0   | 4.3   | 0.002284  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.86  | 0.000457  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.1   | 0.001116  | ± 2.5 | PASS |
|       |     | VN | 30  | -1.85 | -0.000983 | ± 2.5 | PASS |
|       |     | VN | 40  | 3.91  | 0.002077  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.89  | 0.001004  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 2.57  | 0.001343  | ± 2.5 | PASS |
|       |     | VN | -20 | -1.69 | -0.000883 | ± 2.5 | PASS |
|       |     | VN | -10 | -1.77 | -0.000925 | ± 2.5 | PASS |
|       |     | VN | 0   | 1.98  | 0.001035  | ± 2.5 | PASS |
|       |     | VN | 10  | 3.98  | 0.002080  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.73  | 0.001427  | ± 2.5 | PASS |
|       |     | VN | 30  | 3.77  | 0.001970  | ± 2.5 | PASS |
|       |     | VN | 40  | 1.82  | 0.000951  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.89  | 0.002033  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 3.97  | 0.002144  | ± 2.5 | PASS |
|       |     | VN | -20 | 1.09  | 0.000589  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.44  | 0.001858  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.81  | 0.001518  | ± 2.5 | PASS |
|       |     | VN | 10  | 1.88  | 0.001015  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.44 | -0.000238 | ± 2.5 | PASS |
|       |     | VN | 30  | 4.51  | 0.002436  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.47  | 0.002414  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.46  | 0.002409  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 1.09  | 0.000579  | ± 2.5 | PASS |
|       |     | VN | -20 | 2.44  | 0.001296  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.89  | 0.002066  | ± 2.5 | PASS |
|       |     | VN | 0   | -1.69 | -0.000898 | ± 2.5 | PASS |
|       |     | VN | 10  | 3.83  | 0.002035  | ± 2.5 | PASS |
|       |     | VN | 20  | 0.45  | 0.000239  | ± 2.5 | PASS |
|       |     | VN | 30  | 3.92  | 0.002082  | ± 2.5 | PASS |
|       |     | VN | 40  | 1.62  | 0.000861  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.24  | 0.002252  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 2.76  | 0.001442  | ± 2.5 | PASS |
|       |     | VN | -20 | 4.79  | 0.002503  | ± 2.5 | PASS |
|       |     | VN | -10 | -1.19 | -0.000622 | ± 2.5 | PASS |
|       |     | VN | 0   | 2.97  | 0.001552  | ± 2.5 | PASS |
|       |     | VN | 10  | 2.81  | 0.001469  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.18 | -0.000094 | ± 2.5 | PASS |
|       |     | VN | 30  | -0.41 | -0.000214 | ± 2.5 | PASS |

|  |  |    |    |       |           |       |      |
|--|--|----|----|-------|-----------|-------|------|
|  |  | VN | 40 | -0.91 | -0.000476 | ± 2.5 | PASS |
|  |  | VN | 50 | -0.21 | -0.000110 | ± 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               | 0.25           | 0.000135        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 1.57           | 0.000848        | ± 2.5       | PASS    |
|                          | MCH     | VL            | TN               | 4.79           | 0.002544        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 4.01           | 0.002130        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 0.44           | 0.000234        | ± 2.5       | PASS    |
|                          | HCH     | VL            | TN               | 2.62           | 0.001370        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 3.12           | 0.001631        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 1.13           | 0.000591        | ± 2.5       | PASS    |
| 16QAM                    | LCH     | VL            | TN               | 3.67           | 0.001981        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | -1.64          | -0.000885       | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 3.92           | 0.002116        | ± 2.5       | PASS    |
|                          | MCH     | VL            | TN               | 2.45           | 0.001301        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 2.63           | 0.001397        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -0.3           | -0.000159       | ± 2.5       | PASS    |
|                          | HCH     | VL            | TN               | 3.13           | 0.001637        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 4.64           | 0.002426        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 4.73           | 0.002473        | ± 2.5       | PASS    |
| Temperature              |         |               |                  |                |                 |             |         |
| Modulation               | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                     | LCH     | VN            | -30              | 2.73           | 0.001474        | ± 2.5       | PASS    |
|                          |         | VN            | -20              | 1.18           | 0.000637        | ± 2.5       | PASS    |
|                          |         | VN            | -10              | -1.28          | -0.000691       | ± 2.5       | PASS    |
|                          |         | VN            | 0                | -1.59          | -0.000858       | ± 2.5       | PASS    |
|                          |         | VN            | 10               | 2.4            | 0.001296        | ± 2.5       | PASS    |
|                          |         | VN            | 20               | 2.55           | 0.001377        | ± 2.5       | PASS    |
|                          |         | VN            | 30               | -0.65          | -0.000351       | ± 2.5       | PASS    |
|                          |         | VN            | 40               | 2.31           | 0.001247        | ± 2.5       | PASS    |
|                          |         | VN            | 50               | 2.91           | 0.001571        | ± 2.5       | PASS    |
|                          | MCH     | VN            | -30              | 0.36           | 0.000191        | ± 2.5       | PASS    |
|                          |         | VN            | -20              | 3.02           | 0.001604        | ± 2.5       | PASS    |
|                          |         | VN            | -10              | 0              | 0.000000        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 0   | 1.33  | 0.000707  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.09  | 0.000048  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.36  | 0.000722  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.31  | 0.000165  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.91  | 0.002608  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.64  | 0.001934  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 1.75  | 0.000915  | ± 2.5 | PASS |
|       |     | VN | -20 | 3.9   | 0.002039  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.18  | 0.001663  | ± 2.5 | PASS |
|       |     | VN | 0   | 0.06  | 0.000031  | ± 2.5 | PASS |
|       |     | VN | 10  | -0.53 | -0.000277 | ± 2.5 | PASS |
|       |     | VN | 20  | -1.03 | -0.000539 | ± 2.5 | PASS |
|       |     | VN | 30  | 1.75  | 0.000915  | ± 2.5 | PASS |
|       |     | VN | 40  | -0.1  | -0.000052 | ± 2.5 | PASS |
|       |     | VN | 50  | 2.32  | 0.001213  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 4.34  | 0.002343  | ± 2.5 | PASS |
|       |     | VN | -20 | -1.67 | -0.000901 | ± 2.5 | PASS |
|       |     | VN | -10 | 4.37  | 0.002359  | ± 2.5 | PASS |
|       |     | VN | 0   | 0.6   | 0.000324  | ± 2.5 | PASS |
|       |     | VN | 10  | 4.07  | 0.002197  | ± 2.5 | PASS |
|       |     | VN | 20  | 1.25  | 0.000675  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.9   | 0.000486  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.5   | 0.001889  | ± 2.5 | PASS |
|       |     | VN | 50  | -1.19 | -0.000642 | ± 2.5 | PASS |
|       | MCH | VN | -30 | 4.07  | 0.002162  | ± 2.5 | PASS |
|       |     | VN | -20 | 1.55  | 0.000823  | ± 2.5 | PASS |
|       |     | VN | -10 | 2.27  | 0.001206  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.18 | -0.000096 | ± 2.5 | PASS |
|       |     | VN | 10  | -0.41 | -0.000218 | ± 2.5 | PASS |
|       |     | VN | 20  | 3.67  | 0.001950  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.59  | 0.000313  | ± 2.5 | PASS |
|       |     | VN | 40  | 0.94  | 0.000499  | ± 2.5 | PASS |
|       |     | VN | 50  | 0     | 0.000000  | ± 2.5 | PASS |
|       | HCH | VN | -30 | -1.16 | -0.000607 | ± 2.5 | PASS |
|       |     | VN | -20 | -1.86 | -0.000973 | ± 2.5 | PASS |
|       |     | VN | -10 | -1.53 | -0.000800 | ± 2.5 | PASS |
|       |     | VN | 0   | 3.39  | 0.001773  | ± 2.5 | PASS |
|       |     | VN | 10  | 3.02  | 0.001579  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.04 | -0.000021 | ± 2.5 | PASS |
|       |     | VN | 30  | -0.09 | -0.000047 | ± 2.5 | PASS |
|       |     | VN | 40  | -0.33 | -0.000173 | ± 2.5 | PASS |

|  |  |    |    |      |          |       |      |
|--|--|----|----|------|----------|-------|------|
|  |  | VN | 50 | 4.99 | 0.002609 | ± 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               | -1.18          | -0.000636       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.56          | -0.000302       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.82           | 0.001520        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 1.01           | 0.000537        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.9           | -0.000478       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.7           | -0.000903       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 0.25           | 0.000131        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.22           | 0.001162        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.44           | 0.000754        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | -1.11          | -0.000598       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.37           | 0.001817        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.74           | 0.001477        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -1.8           | -0.000956       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.04           | 0.000021        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.58          | -0.000308       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 3.1            | 0.001623        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.96          | -0.000503       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.36           | 0.002283        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 16QAM                     | LCH     | VN            | -30              | -1.42          | -0.000765       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -1.72          | -0.000927       | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 2.81           | 0.001515        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -0.22          | -0.000119       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 0.65           | 0.000350        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | -0.59          | -0.000318       | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -1.64          | -0.000884       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 2.23           | 0.001202        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 2.48           | 0.001337        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | -0.11          | -0.000058       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 4.23           | 0.002247        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 3.59           | 0.001907        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 3.97           | 0.002109        | ± 2.5       | PASS    |

|      |     |    |     |       |           |       |      |
|------|-----|----|-----|-------|-----------|-------|------|
|      |     | VN | 10  | -1.63 | -0.000866 | ± 2.5 | PASS |
|      |     | VN | 20  | 4.88  | 0.002592  | ± 2.5 | PASS |
|      |     | VN | 30  | 0.71  | 0.000377  | ± 2.5 | PASS |
|      |     | VN | 40  | -1.36 | -0.000722 | ± 2.5 | PASS |
|      |     | VN | 50  | 1.51  | 0.000802  | ± 2.5 | PASS |
|      | HCH | VN | -30 | 0.32  | 0.000168  | ± 2.5 | PASS |
|      |     | VN | -20 | 2.52  | 0.001319  | ± 2.5 | PASS |
|      |     | VN | -10 | -1.1  | -0.000576 | ± 2.5 | PASS |
|      |     | VN | 0   | 4.56  | 0.002387  | ± 2.5 | PASS |
|      |     | VN | 10  | 2.44  | 0.001277  | ± 2.5 | PASS |
|      |     | VN | 20  | -0.27 | -0.000141 | ± 2.5 | PASS |
|      |     | VN | 30  | -1.68 | -0.000880 | ± 2.5 | PASS |
|      |     | VN | 40  | 4.6   | 0.002408  | ± 2.5 | PASS |
|      |     | VN | 50  | 0.28  | 0.000147  | ± 2.5 | PASS |
|      |     | VN | -30 | -1.94 | -0.001046 | ± 2.5 | PASS |
| QPSK | LCH | VN | -20 | -1.85 | -0.000997 | ± 2.5 | PASS |
|      |     | VN | -10 | 2.2   | 0.001186  | ± 2.5 | PASS |
|      |     | VN | 0   | 1.69  | 0.000911  | ± 2.5 | PASS |
|      |     | VN | 10  | 1.77  | 0.000954  | ± 2.5 | PASS |
|      |     | VN | 20  | 4.98  | 0.002685  | ± 2.5 | PASS |
|      |     | VN | 30  | 0.8   | 0.000431  | ± 2.5 | PASS |
|      |     | VN | 40  | 4.39  | 0.002367  | ± 2.5 | PASS |
|      |     | VN | 50  | -1.22 | -0.000658 | ± 2.5 | PASS |
|      | MCH | VN | -30 | 1.33  | 0.000707  | ± 2.5 | PASS |
|      |     | VN | -20 | -1.42 | -0.000754 | ± 2.5 | PASS |
|      |     | VN | -10 | -1.47 | -0.000781 | ± 2.5 | PASS |
|      |     | VN | 0   | 2.41  | 0.001280  | ± 2.5 | PASS |
|      |     | VN | 10  | -0.87 | -0.000462 | ± 2.5 | PASS |
|      |     | VN | 20  | 4.84  | 0.002571  | ± 2.5 | PASS |
|      |     | VN | 30  | 3.35  | 0.001780  | ± 2.5 | PASS |
|      |     | VN | 40  | 1.2   | 0.000637  | ± 2.5 | PASS |
|      |     | VN | 50  | 4.66  | 0.002475  | ± 2.5 | PASS |
|      | HCH | VN | -30 | 4.98  | 0.002607  | ± 2.5 | PASS |
|      |     | VN | -20 | -1.88 | -0.000984 | ± 2.5 | PASS |
|      |     | VN | -10 | 1.25  | 0.000654  | ± 2.5 | PASS |
|      |     | VN | 0   | 4.79  | 0.002508  | ± 2.5 | PASS |
|      |     | VN | 10  | 1.23  | 0.000644  | ± 2.5 | PASS |
|      |     | VN | 20  | -1.8  | -0.000942 | ± 2.5 | PASS |
|      |     | VN | 30  | 2.76  | 0.001445  | ± 2.5 | PASS |
|      |     | VN | 40  | -0.22 | -0.000115 | ± 2.5 | PASS |
|      |     | VN | 50  | -1.1  | -0.000576 | ± 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               | 1.13           | 0.000608        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.28          | -0.000689       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.7            | 0.001992        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 4.7            | 0.002497        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.5            | 0.001328        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.39           | 0.002332        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -1.31          | -0.000687       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.58           | 0.000828        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.6            | 0.001363        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 2.94           | 0.001583        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.91           | 0.002105        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.59          | -0.000856       | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.66          | -0.000351       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 0.92           | 0.000489        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.46          | -0.000776       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 0.71           | 0.000372        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.62           | 0.001898        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.65          | -0.000865       | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 0.81           | 0.000436        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 0.85           | 0.000458        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 3.34           | 0.001798        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -0.39          | -0.000210       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 0.87           | 0.000468        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 3.87           | 0.002083        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | 0.78           | 0.000420        | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 3.35           | 0.001803        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | -1.34          | -0.000721       | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | 4.02           | 0.002135        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -1.32          | -0.000701       | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 1.25           | 0.000664        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 2.52           | 0.001339        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 3.25           | 0.001726        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 4.15           | 0.002205        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 30  | -0.85 | -0.000452 | ± 2.5 | PASS |
|       |     | VN | 40  | 2.01  | 0.001068  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.94  | 0.002093  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 1.14  | 0.000598  | ± 2.5 | PASS |
|       |     | VN | -20 | 3.7   | 0.001940  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.34  | 0.000702  | ± 2.5 | PASS |
|       |     | VN | 0   | 0.77  | 0.000404  | ± 2.5 | PASS |
|       |     | VN | 10  | 4.99  | 0.002616  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.23  | 0.001169  | ± 2.5 | PASS |
|       |     | VN | 30  | -1.55 | -0.000813 | ± 2.5 | PASS |
|       |     | VN | 40  | -1.62 | -0.000849 | ± 2.5 | PASS |
|       |     | VN | 50  | 2.53  | 0.001326  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | -1.08 | -0.000581 | ± 2.5 | PASS |
|       |     | VN | -20 | 0.59  | 0.000318  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.09  | 0.000587  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.43  | 0.001308  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.77  | 0.000415  | ± 2.5 | PASS |
|       |     | VN | 20  | -1.4  | -0.000754 | ± 2.5 | PASS |
|       |     | VN | 30  | 2.01  | 0.001082  | ± 2.5 | PASS |
|       |     | VN | 40  | -1.81 | -0.000974 | ± 2.5 | PASS |
|       |     | VN | 50  | 0.53  | 0.000285  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 2.99  | 0.001588  | ± 2.5 | PASS |
|       |     | VN | -20 | 4.31  | 0.002290  | ± 2.5 | PASS |
|       |     | VN | -10 | 0.44  | 0.000234  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.13  | 0.001131  | ± 2.5 | PASS |
|       |     | VN | 10  | 3.23  | 0.001716  | ± 2.5 | PASS |
|       |     | VN | 20  | 0.44  | 0.000234  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.46  | 0.002369  | ± 2.5 | PASS |
|       |     | VN | 40  | -1.58 | -0.000839 | ± 2.5 | PASS |
|       |     | VN | 50  | 2.07  | 0.001100  | ± 2.5 | PASS |
|       | HCH | VN | -30 | -1.96 | -0.001028 | ± 2.5 | PASS |
|       |     | VN | -20 | 4.33  | 0.002270  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.74  | 0.000912  | ± 2.5 | PASS |
|       |     | VN | 0   | -1.15 | -0.000603 | ± 2.5 | PASS |
|       |     | VN | 10  | 1.28  | 0.000671  | ± 2.5 | PASS |
|       |     | VN | 20  | 3.81  | 0.001997  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.87  | 0.002553  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.17  | 0.002186  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.79  | 0.001987  | ± 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               | 0.4            | 0.000215        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.37          | -0.000737       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.07          | -0.000575       | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 4.98           | 0.002645        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.18           | 0.001158        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.75           | 0.001461        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -1.68          | -0.000882       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 4.27           | 0.002241        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.28           | 0.000672        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 3.52           | 0.001892        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.44           | 0.001849        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.68           | 0.002516        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 0.78           | 0.000414        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.78          | -0.000414       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.98           | 0.002645        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -0.99          | -0.000520       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 4.15           | 0.002178        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.45           | 0.001286        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 1.42           | 0.000763        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 3.5            | 0.001882        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | -0.01          | -0.000005       | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -0.48          | -0.000258       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -0.99          | -0.000532       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 2.6            | 0.001398        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | 3.03           | 0.001629        | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 3.32           | 0.001785        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 2.69           | 0.001446        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | -1.26          | -0.000670       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 3.68           | 0.001957        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 1.71           | 0.000910        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 2.29           | 0.001218        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 0.82           | 0.000436        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | -0.78          | -0.000415       | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 30  | -1.56 | -0.000830 | ± 2.5 | PASS |
|       |     | VN | 40  | 1.37  | 0.000729  | ± 2.5 | PASS |
|       |     | VN | 50  | -0.82 | -0.000436 | ± 2.5 | PASS |
|       | HCH | VN | -30 | 1.72  | 0.000903  | ± 2.5 | PASS |
|       |     | VN | -20 | 2.9   | 0.001522  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.23  | 0.001696  | ± 2.5 | PASS |
|       |     | VN | 0   | 4.38  | 0.002299  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.31  | 0.000163  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.27 | -0.000142 | ± 2.5 | PASS |
|       |     | VN | 30  | -0.79 | -0.000415 | ± 2.5 | PASS |
|       |     | VN | 40  | -0.73 | -0.000383 | ± 2.5 | PASS |
|       |     | VN | 50  | 2.15  | 0.001129  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 3.83  | 0.002059  | ± 2.5 | PASS |
|       |     | VN | -20 | -1.75 | -0.000941 | ± 2.5 | PASS |
|       |     | VN | -10 | 0.65  | 0.000349  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.31  | 0.001242  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.96  | 0.000516  | ± 2.5 | PASS |
|       |     | VN | 20  | 3.69  | 0.001984  | ± 2.5 | PASS |
|       |     | VN | 30  | -0.92 | -0.000495 | ± 2.5 | PASS |
|       |     | VN | 40  | -1.56 | -0.000839 | ± 2.5 | PASS |
|       |     | VN | 50  | 1.64  | 0.000882  | ± 2.5 | PASS |
|       | MCH | VN | -30 | -1.19 | -0.000632 | ± 2.5 | PASS |
|       |     | VN | -20 | 1.6   | 0.000850  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.78 | -0.000414 | ± 2.5 | PASS |
|       |     | VN | 0   | -2    | -0.001062 | ± 2.5 | PASS |
|       |     | VN | 10  | -0.81 | -0.000430 | ± 2.5 | PASS |
|       |     | VN | 20  | 1.52  | 0.000807  | ± 2.5 | PASS |
|       |     | VN | 30  | -0.45 | -0.000239 | ± 2.5 | PASS |
|       |     | VN | 40  | 0.93  | 0.000494  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.61  | 0.002449  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 1.21  | 0.000635  | ± 2.5 | PASS |
|       |     | VN | -20 | 2.16  | 0.001134  | ± 2.5 | PASS |
|       |     | VN | -10 | 4.62  | 0.002425  | ± 2.5 | PASS |
|       |     | VN | 0   | 1.95  | 0.001024  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.41  | 0.000215  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.47 | -0.000247 | ± 2.5 | PASS |
|       |     | VN | 30  | 4.81  | 0.002525  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.43  | 0.001801  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.81  | 0.002525  | ± 2.5 | PASS |