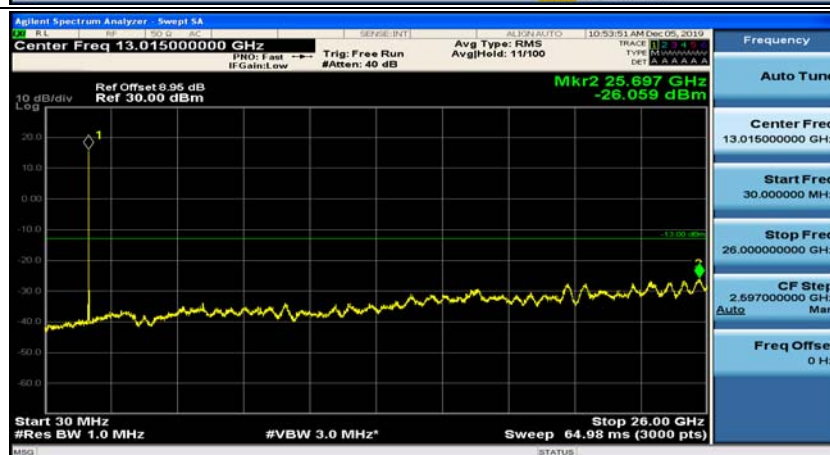
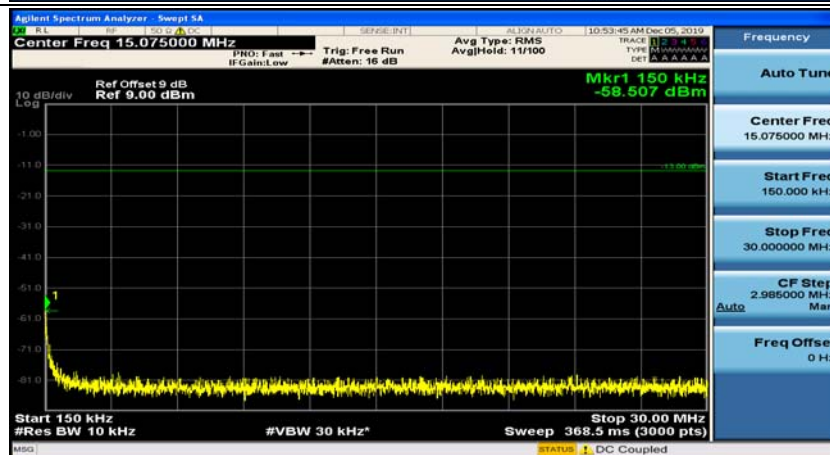
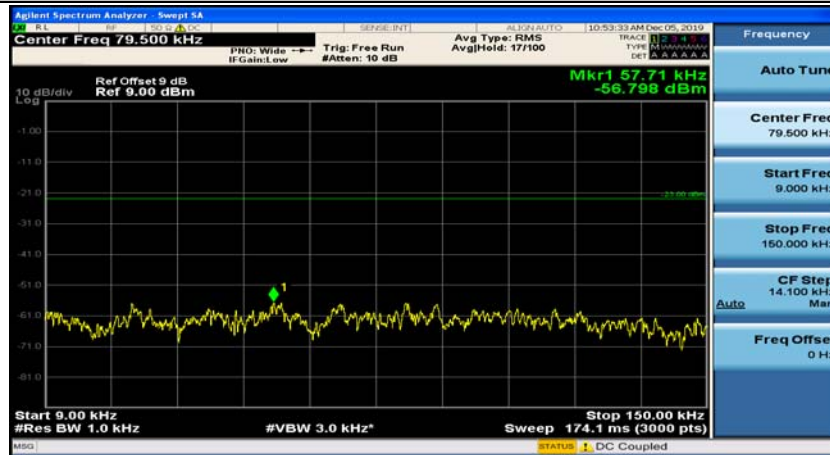
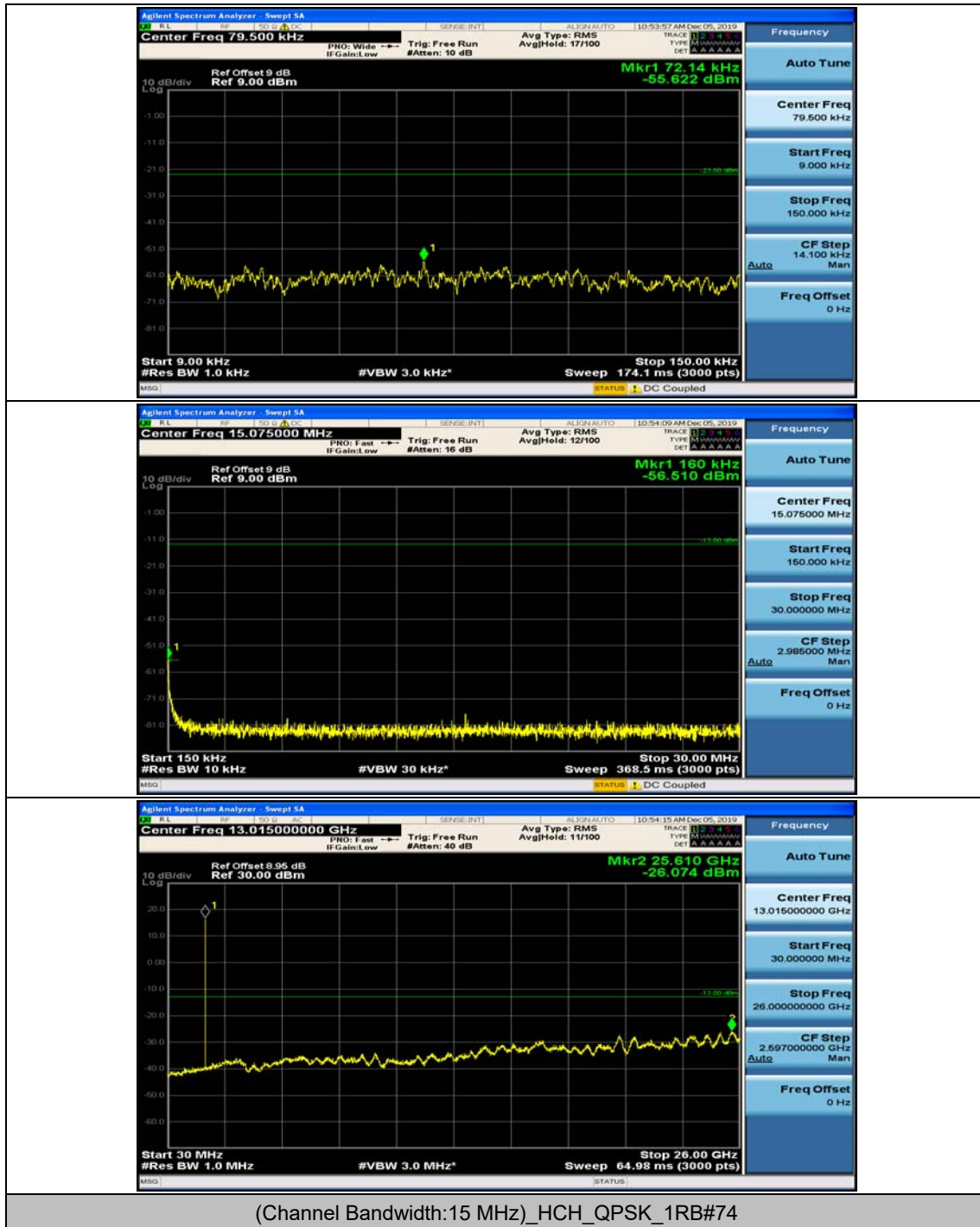
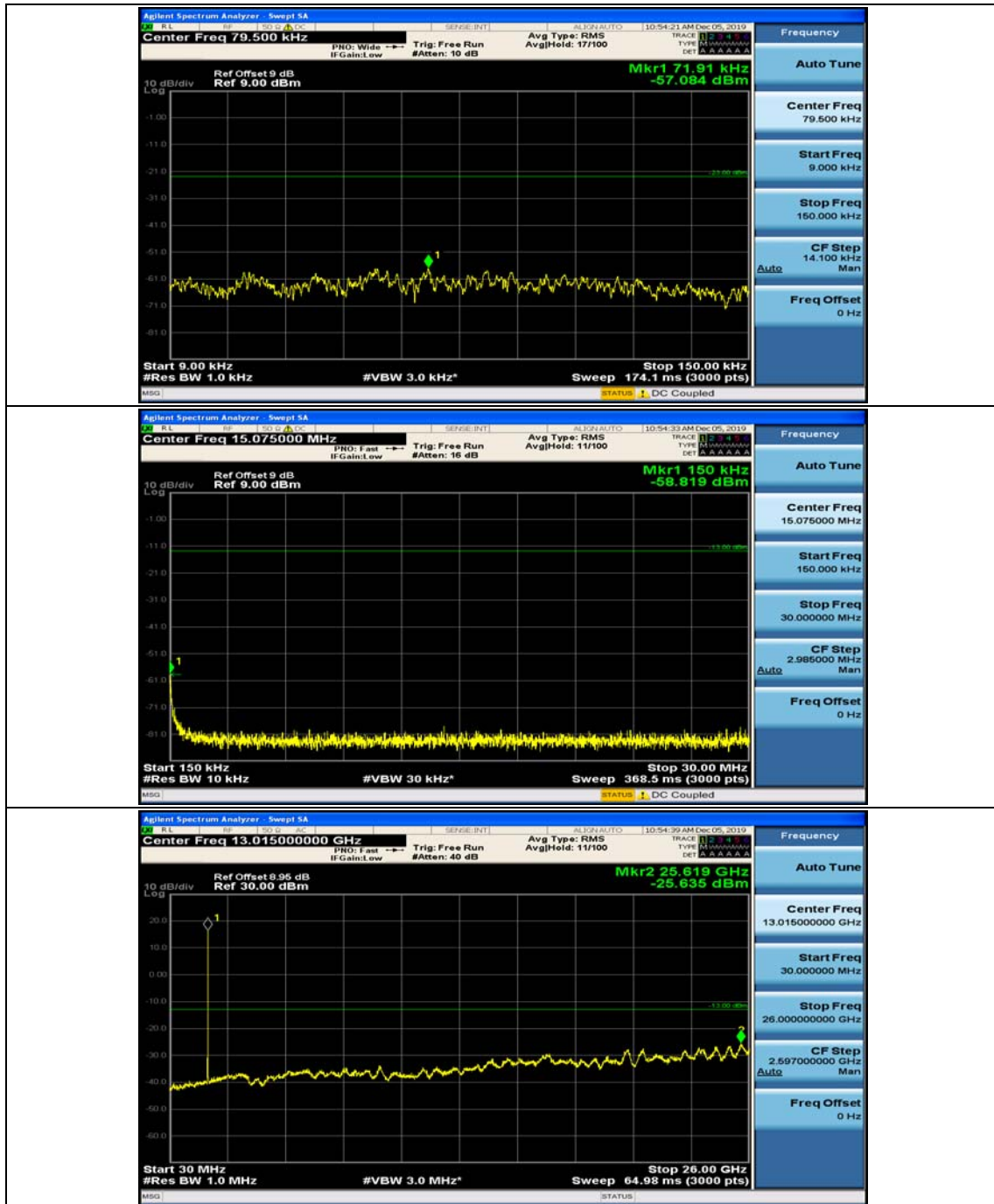


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#0

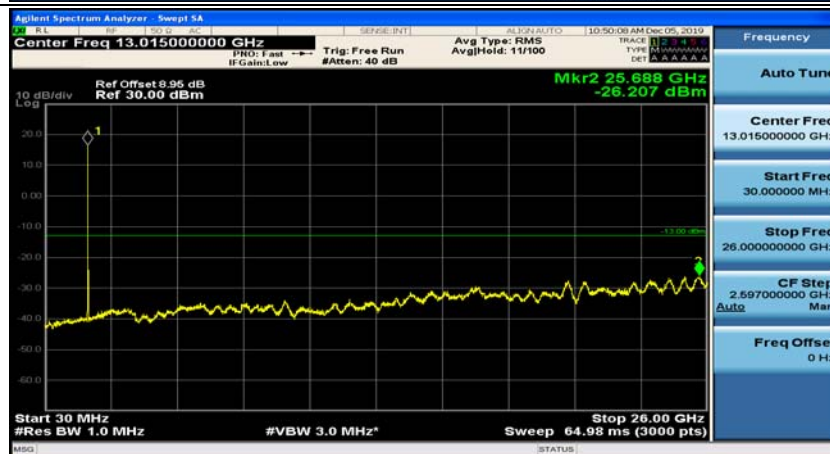
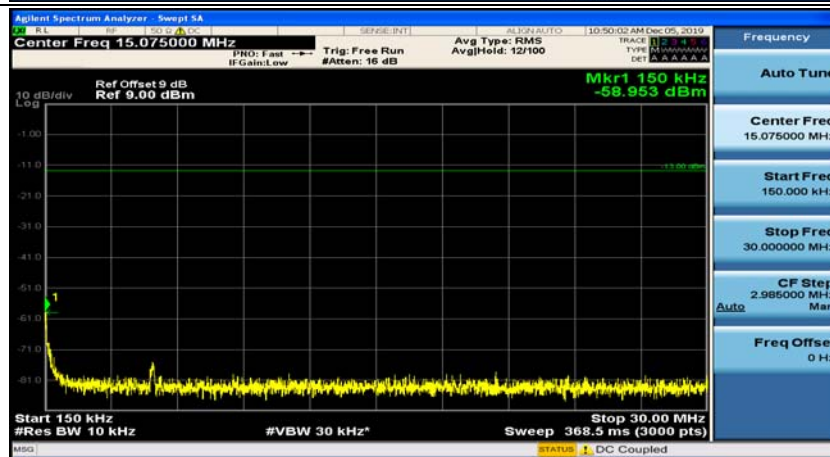
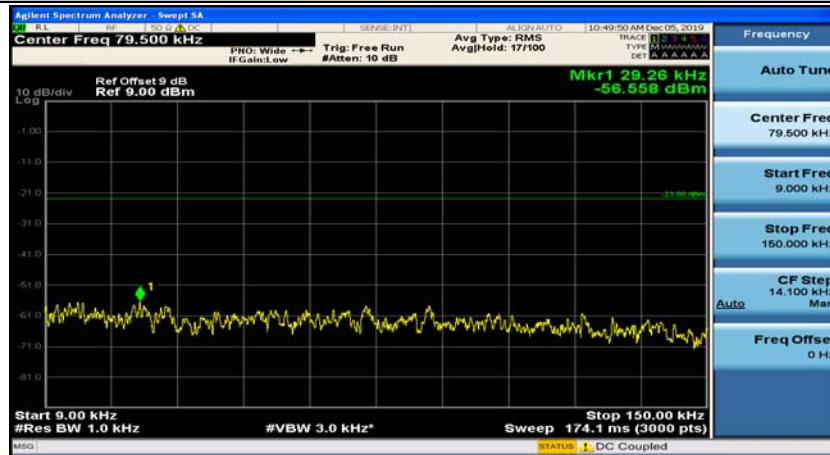


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#37

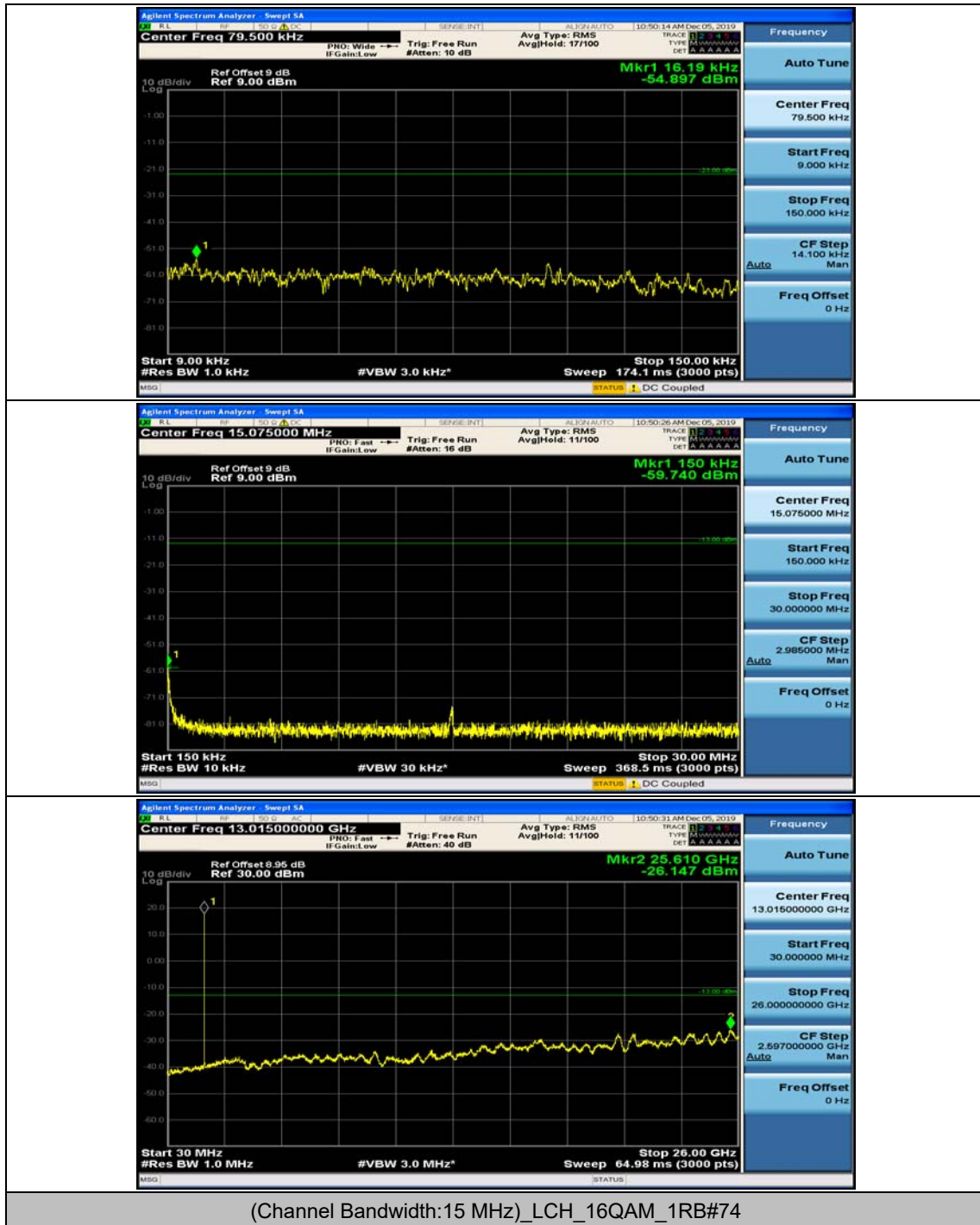


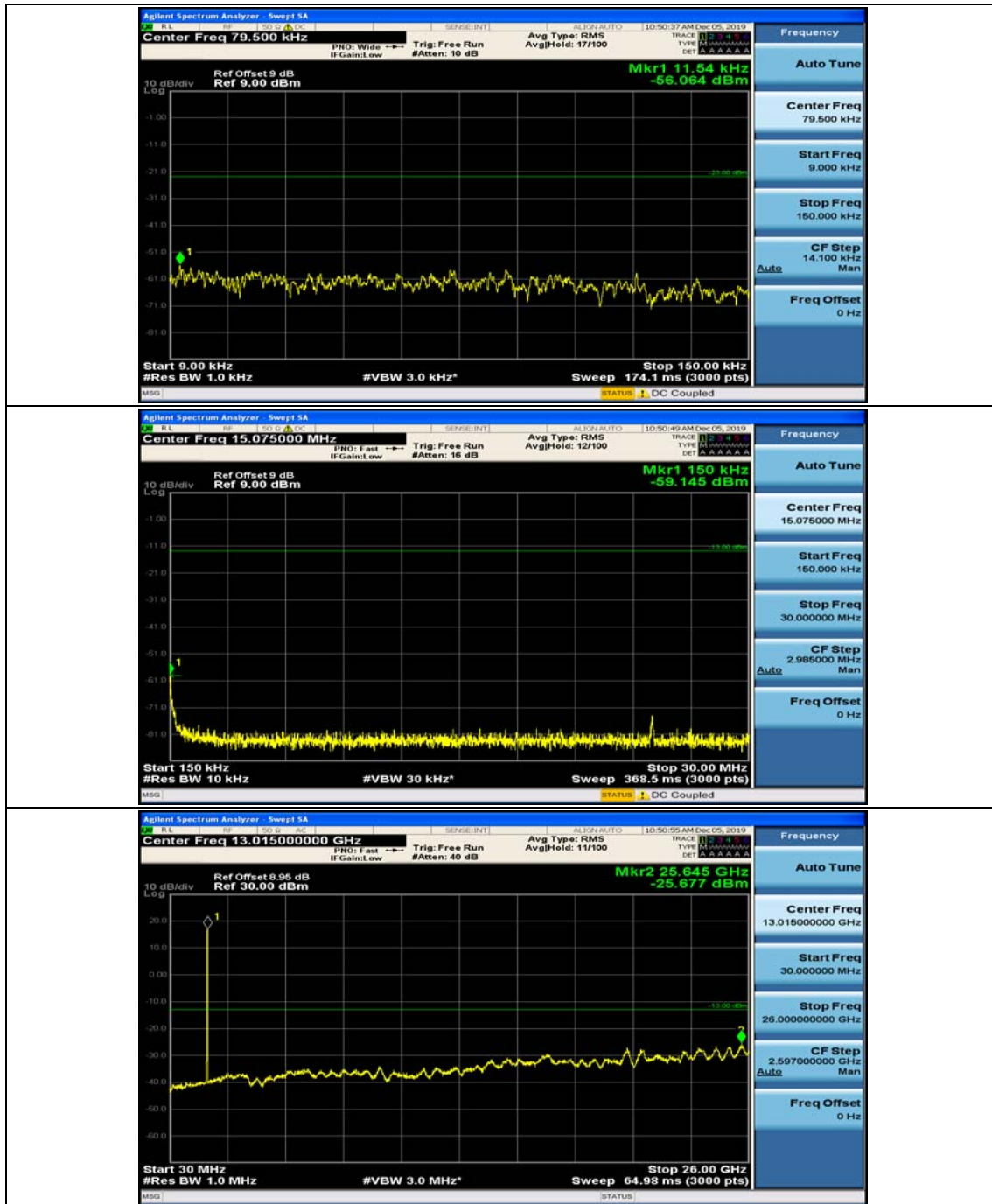


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0

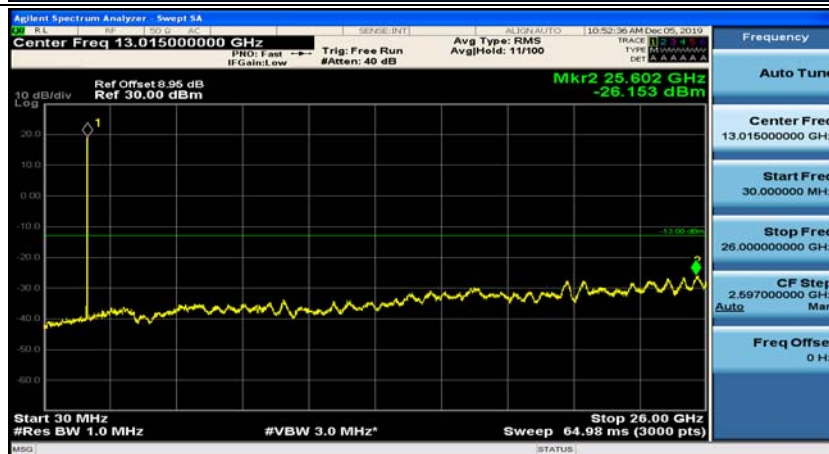
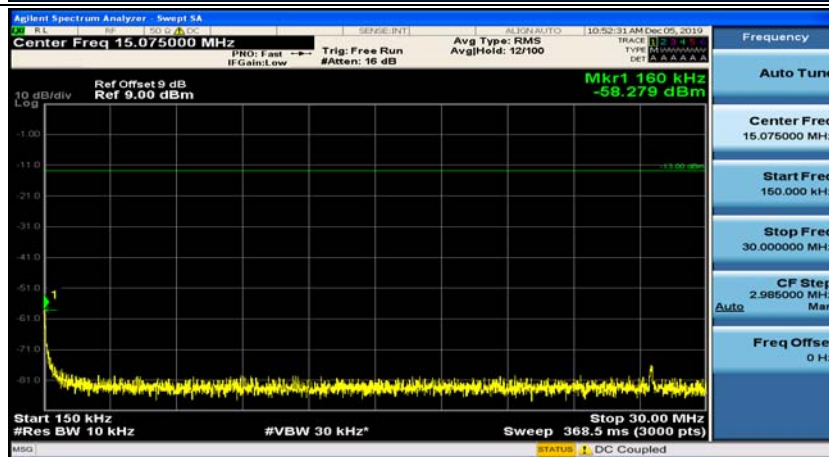


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37

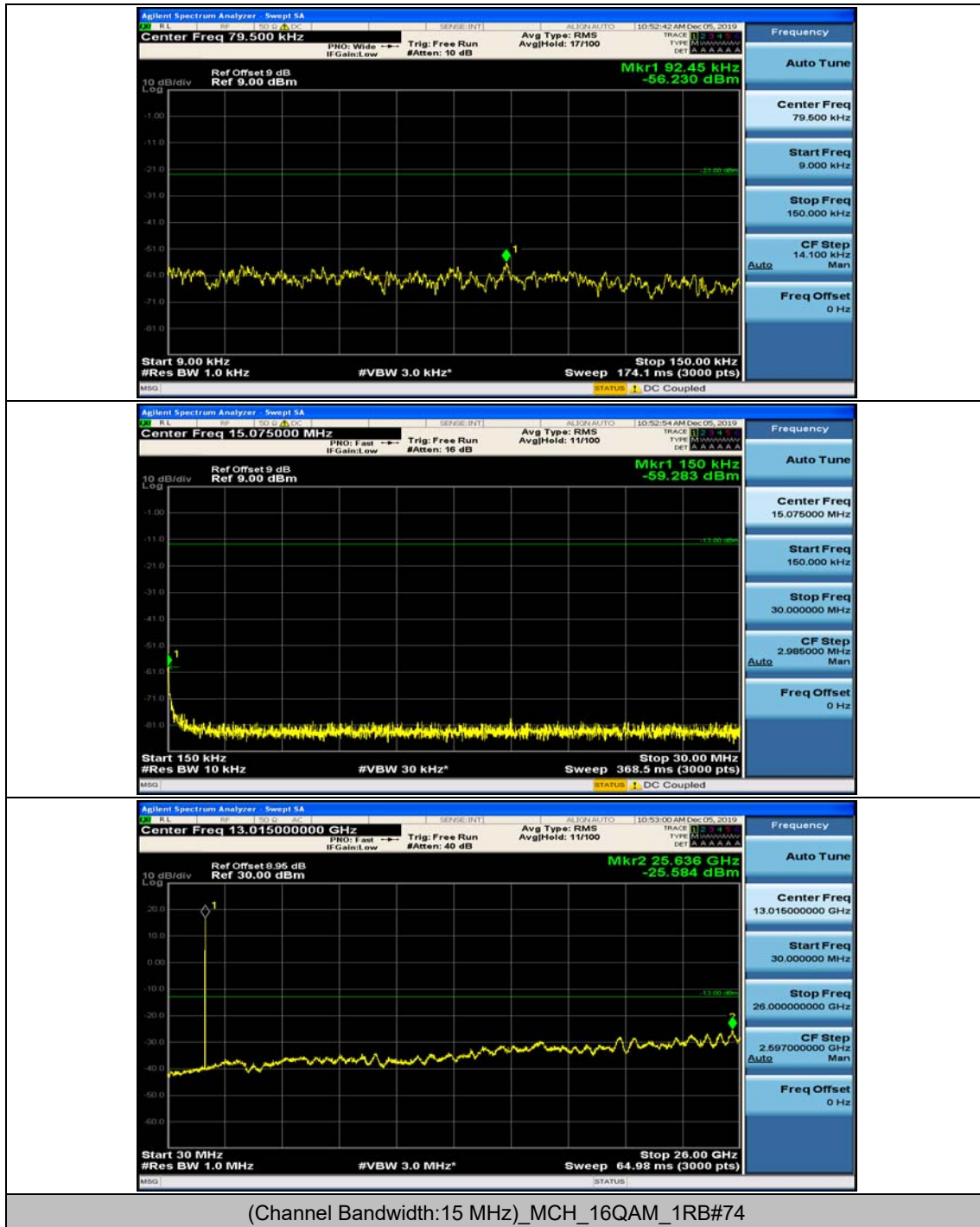


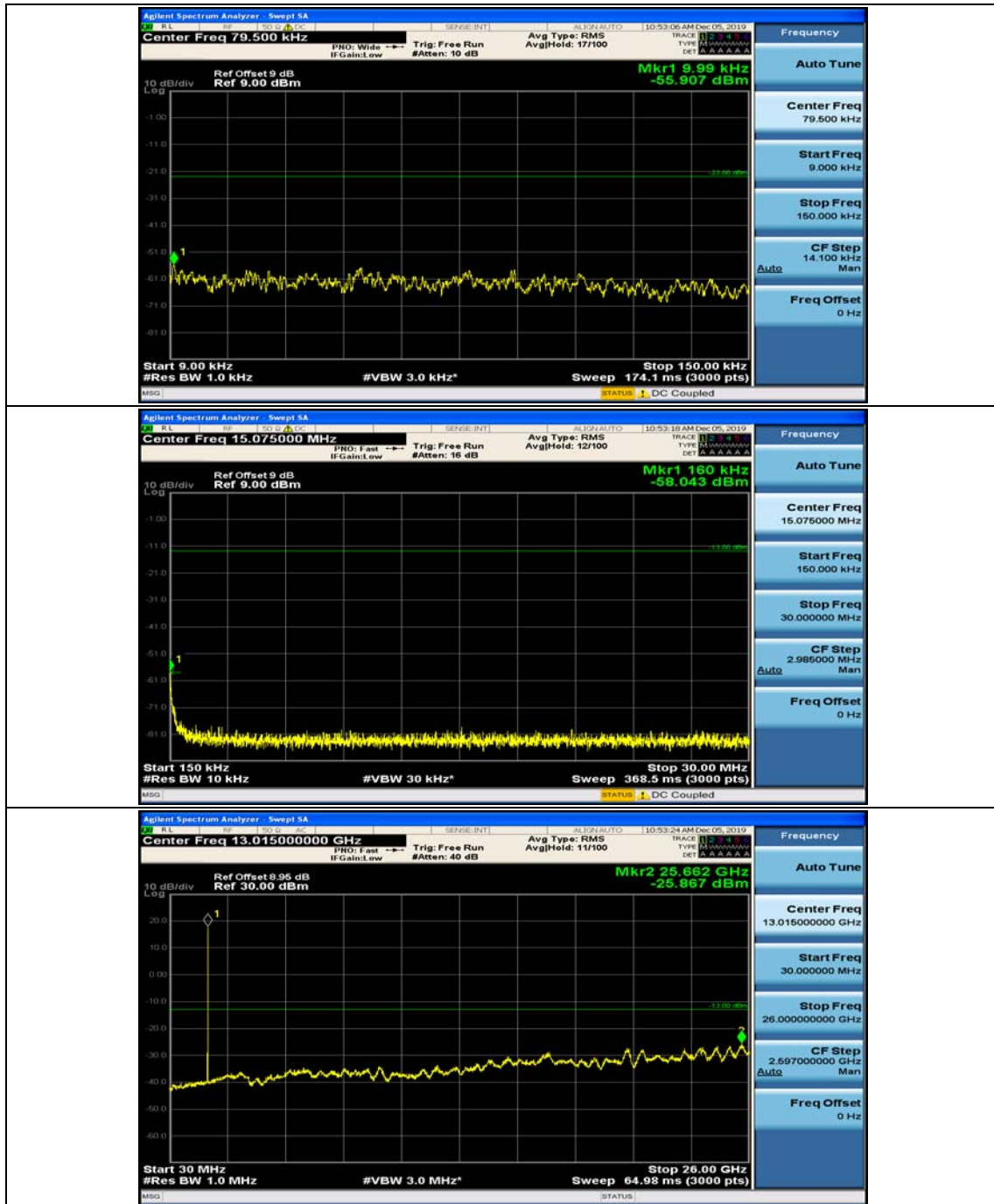


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0

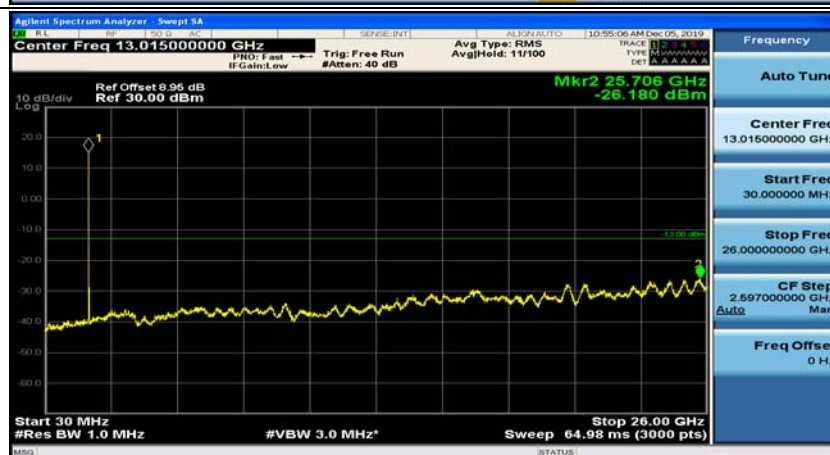
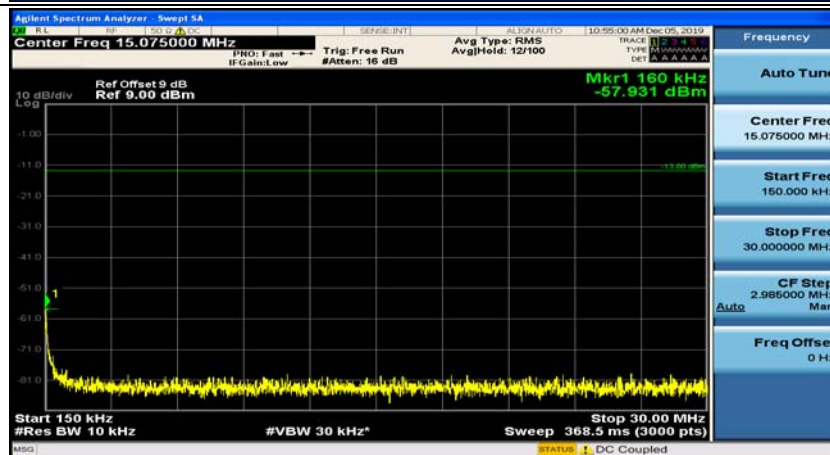
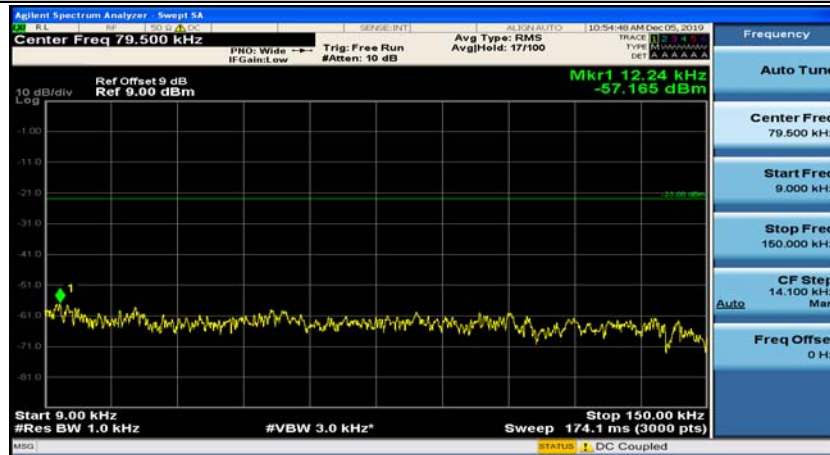


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37

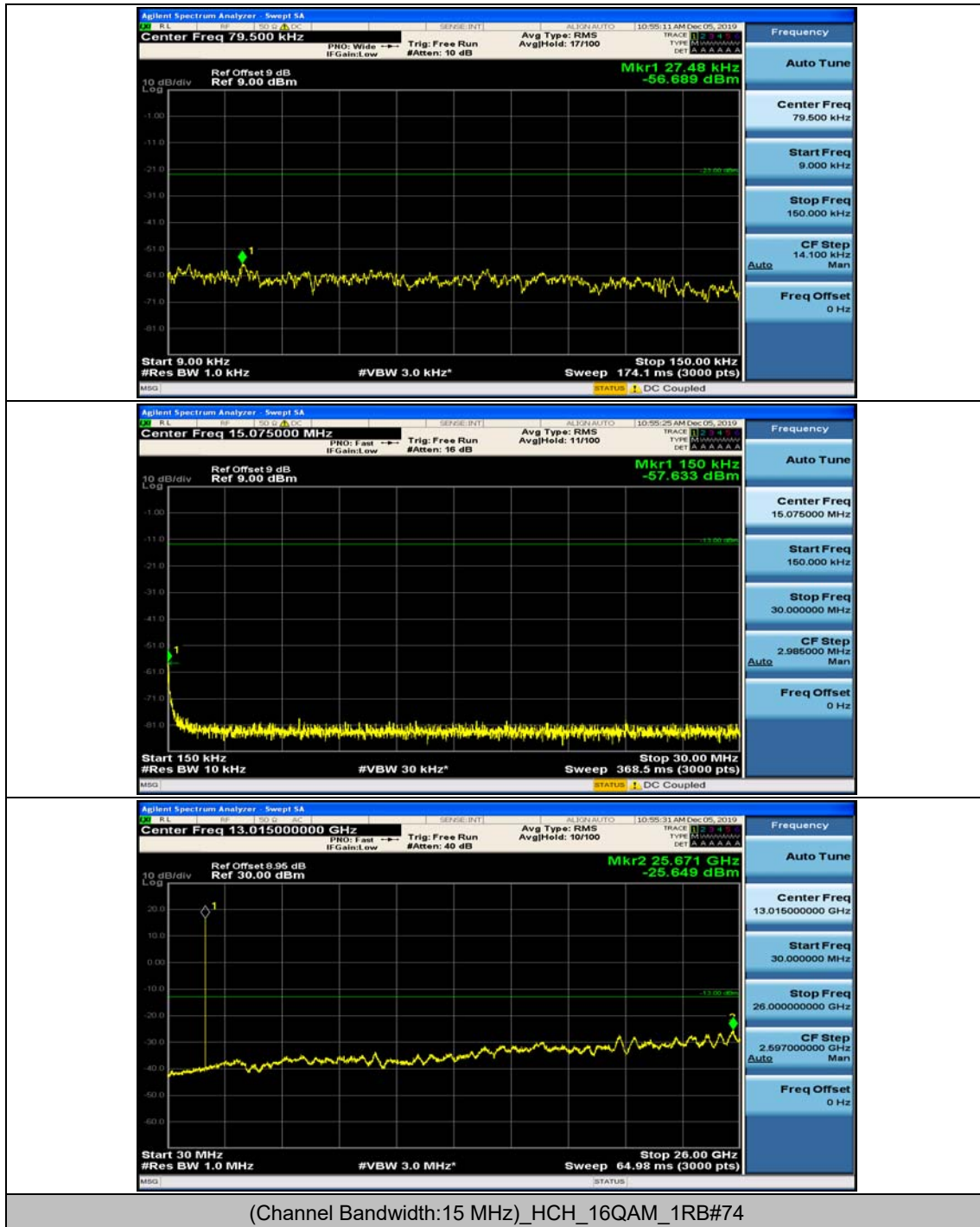


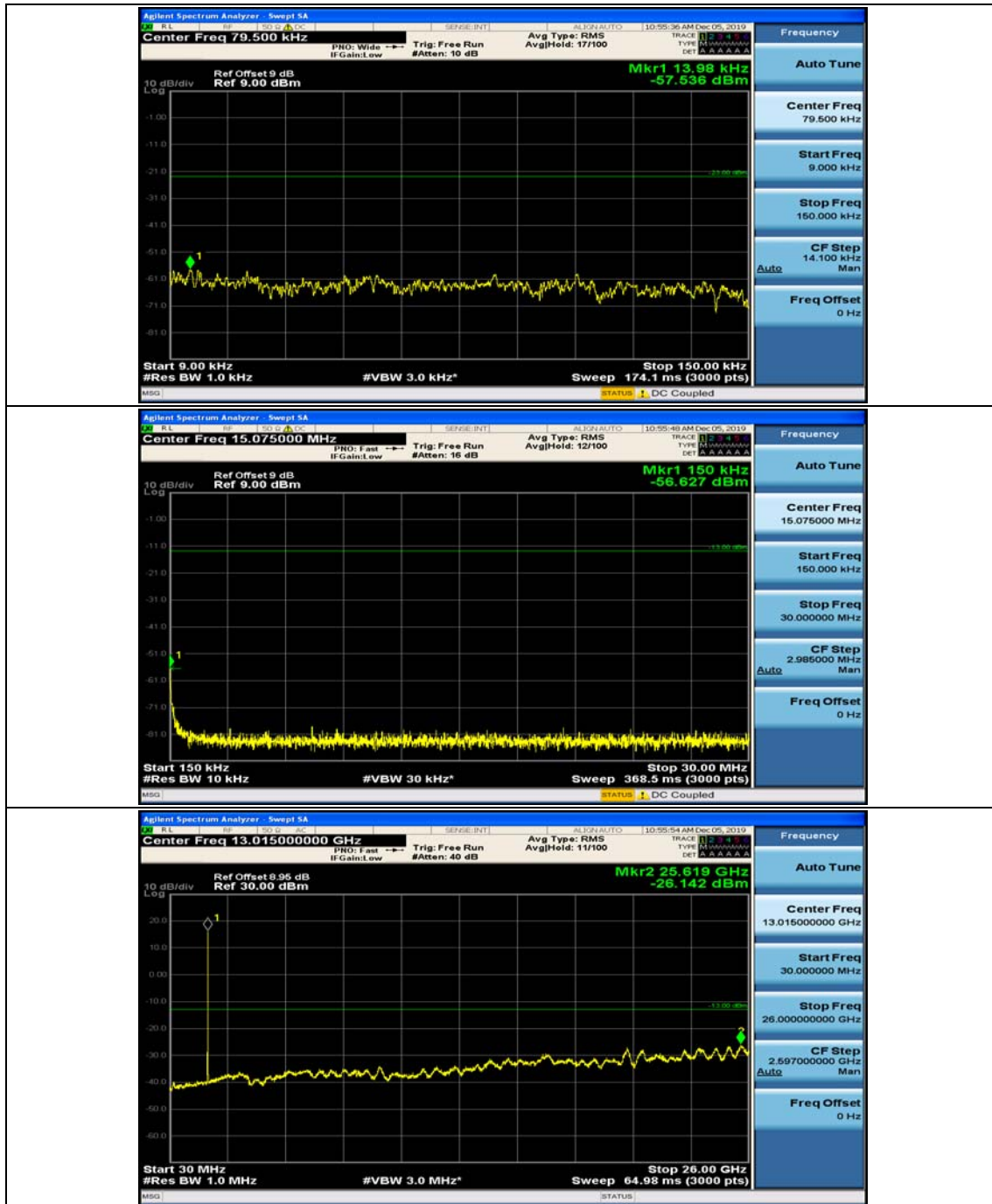


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0

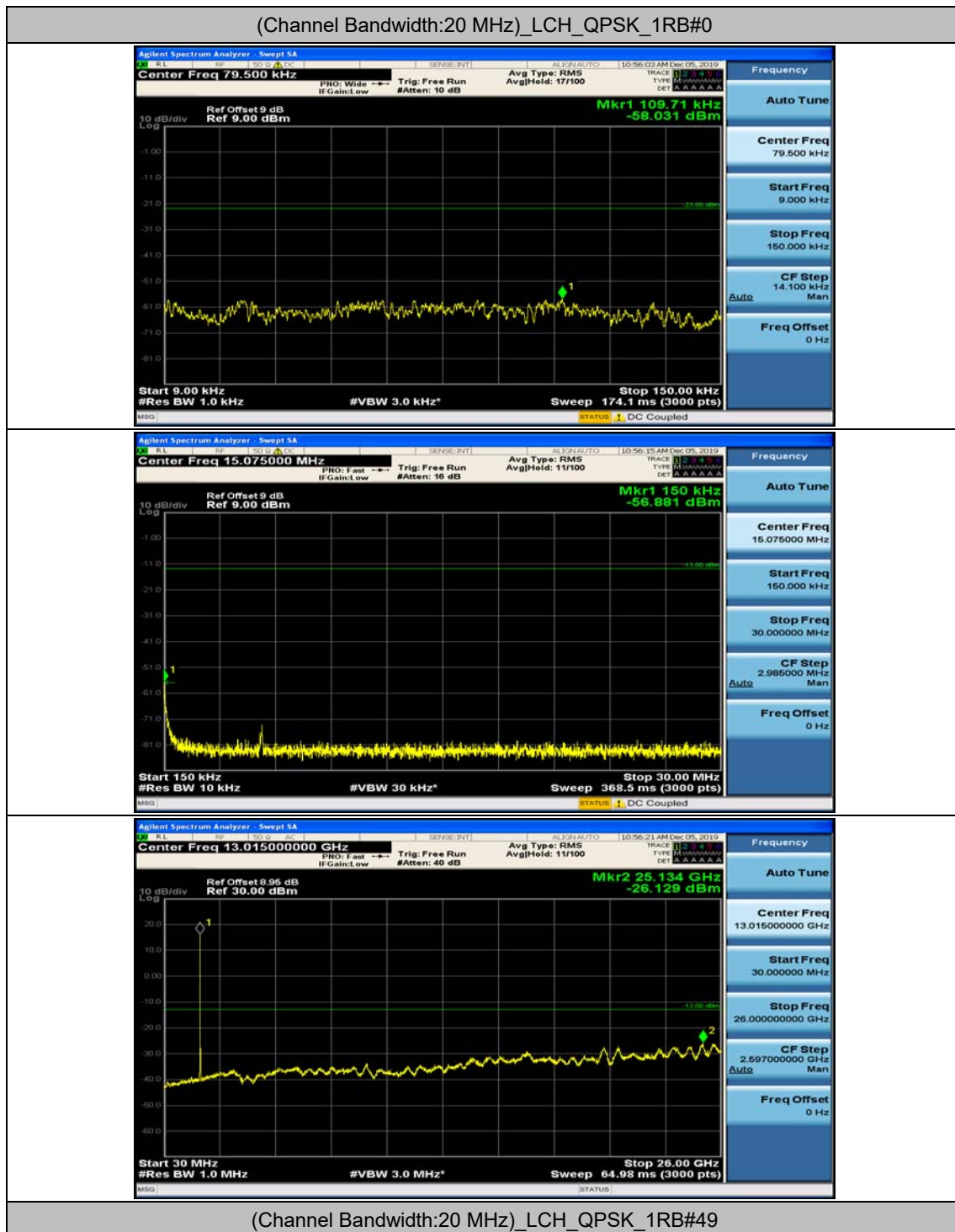


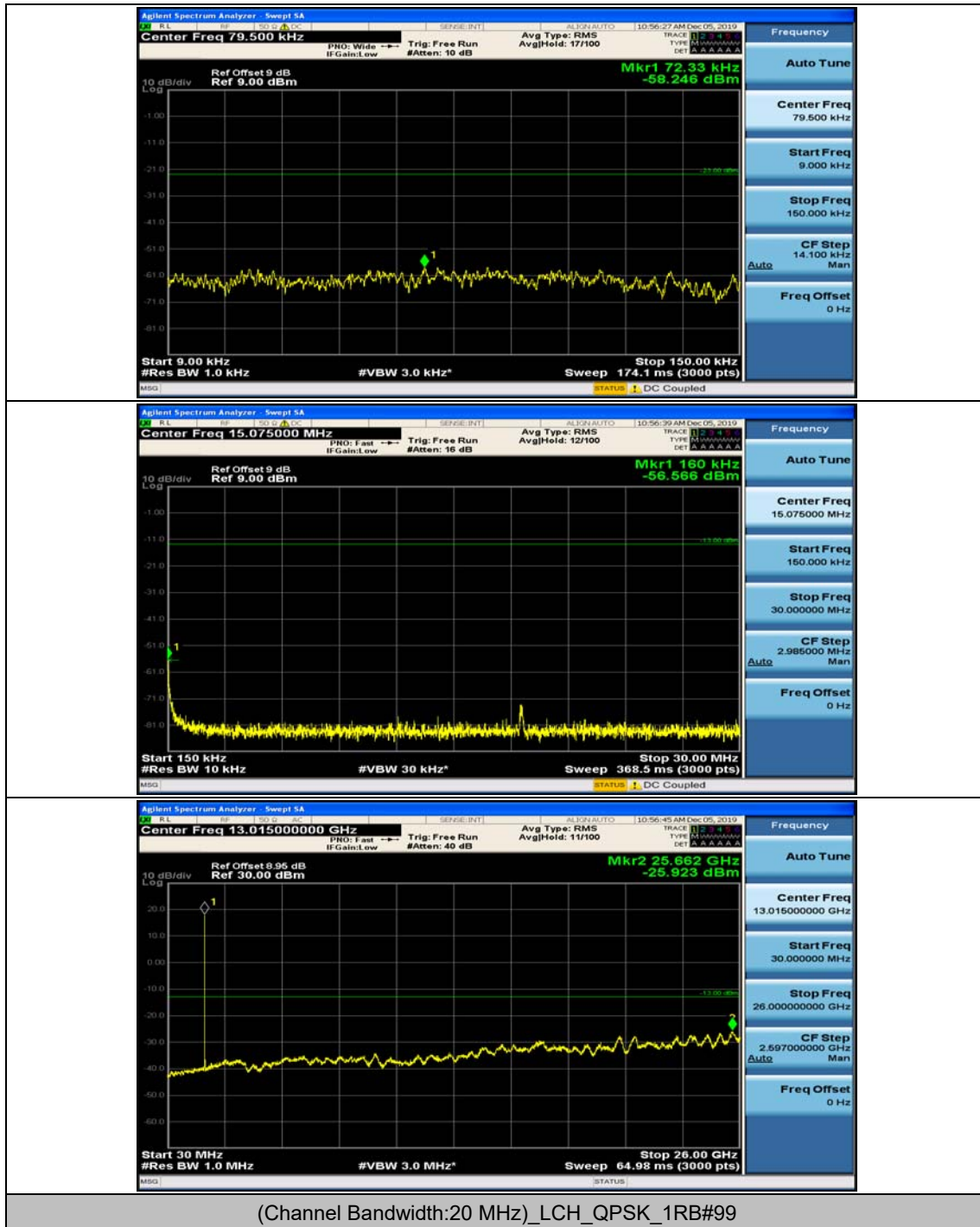
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37

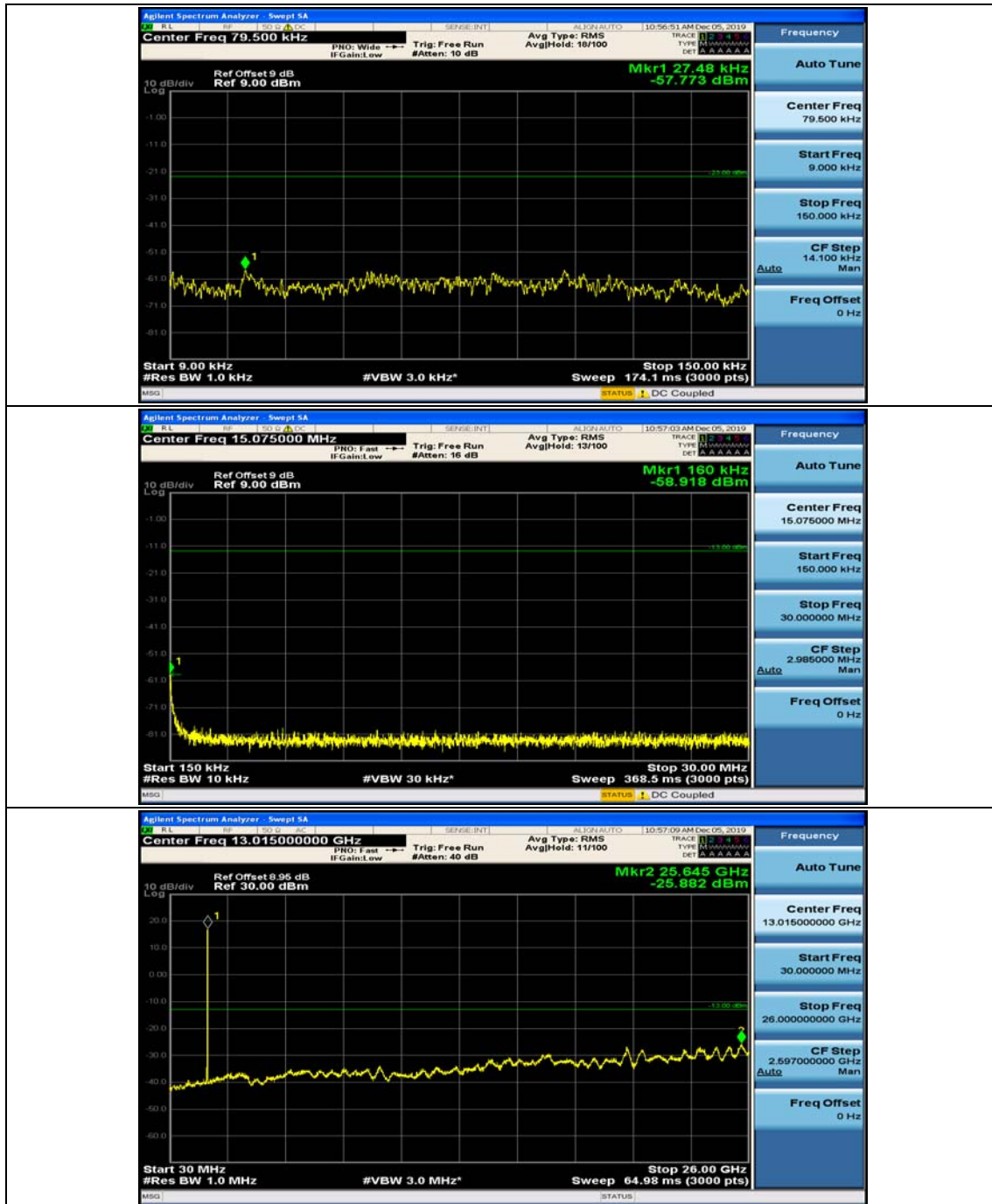




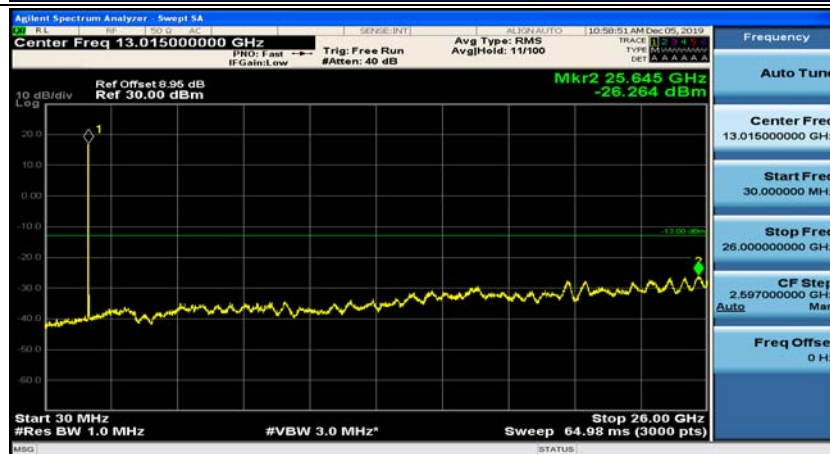
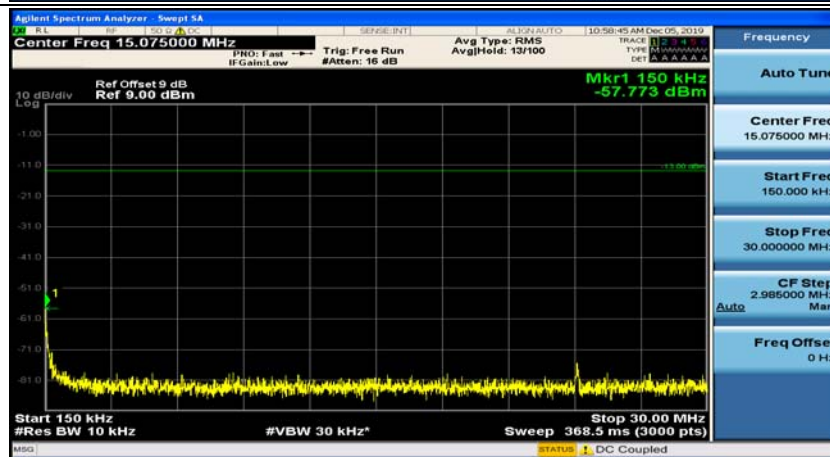
## Channel Bandwidth: 20 MHz



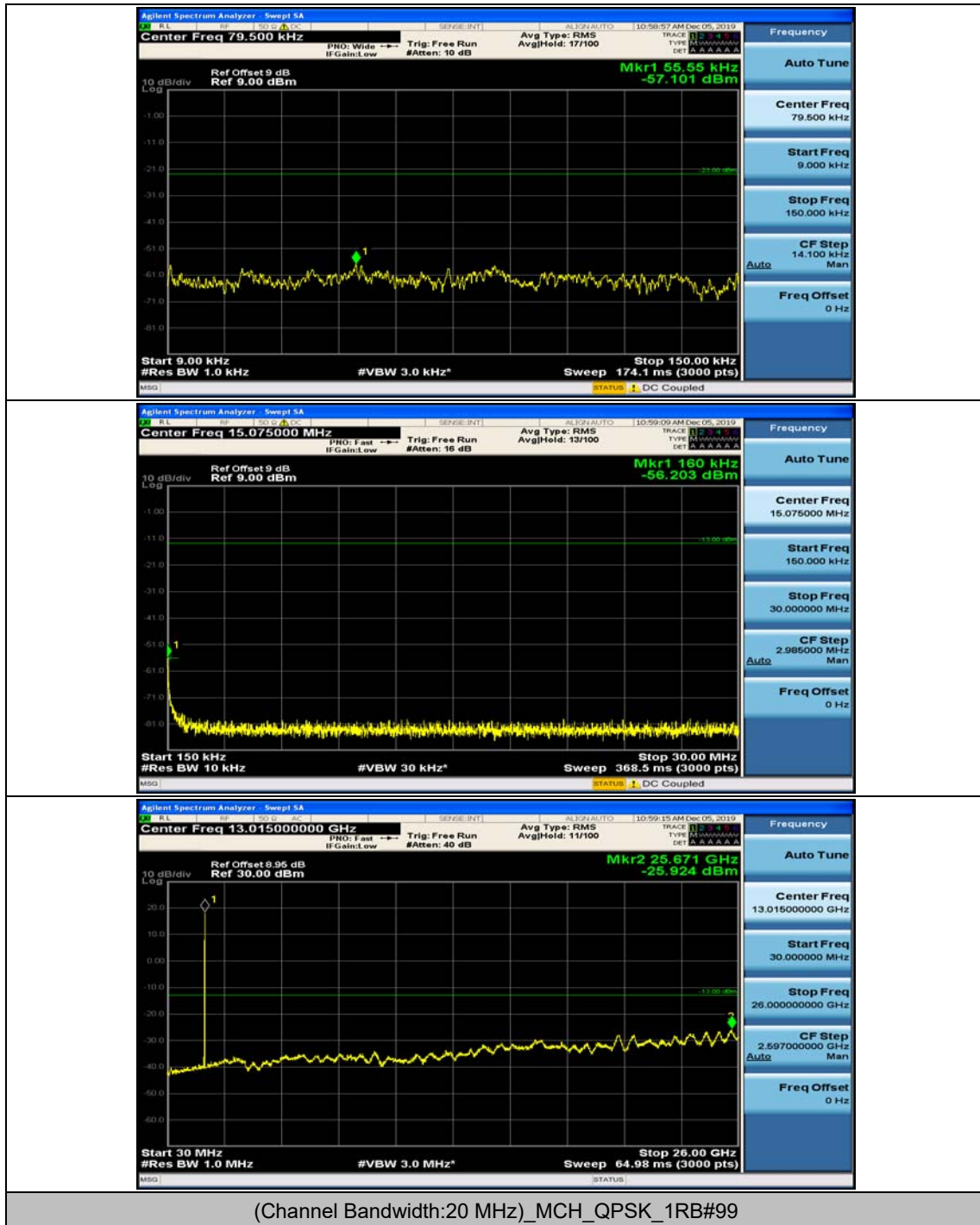


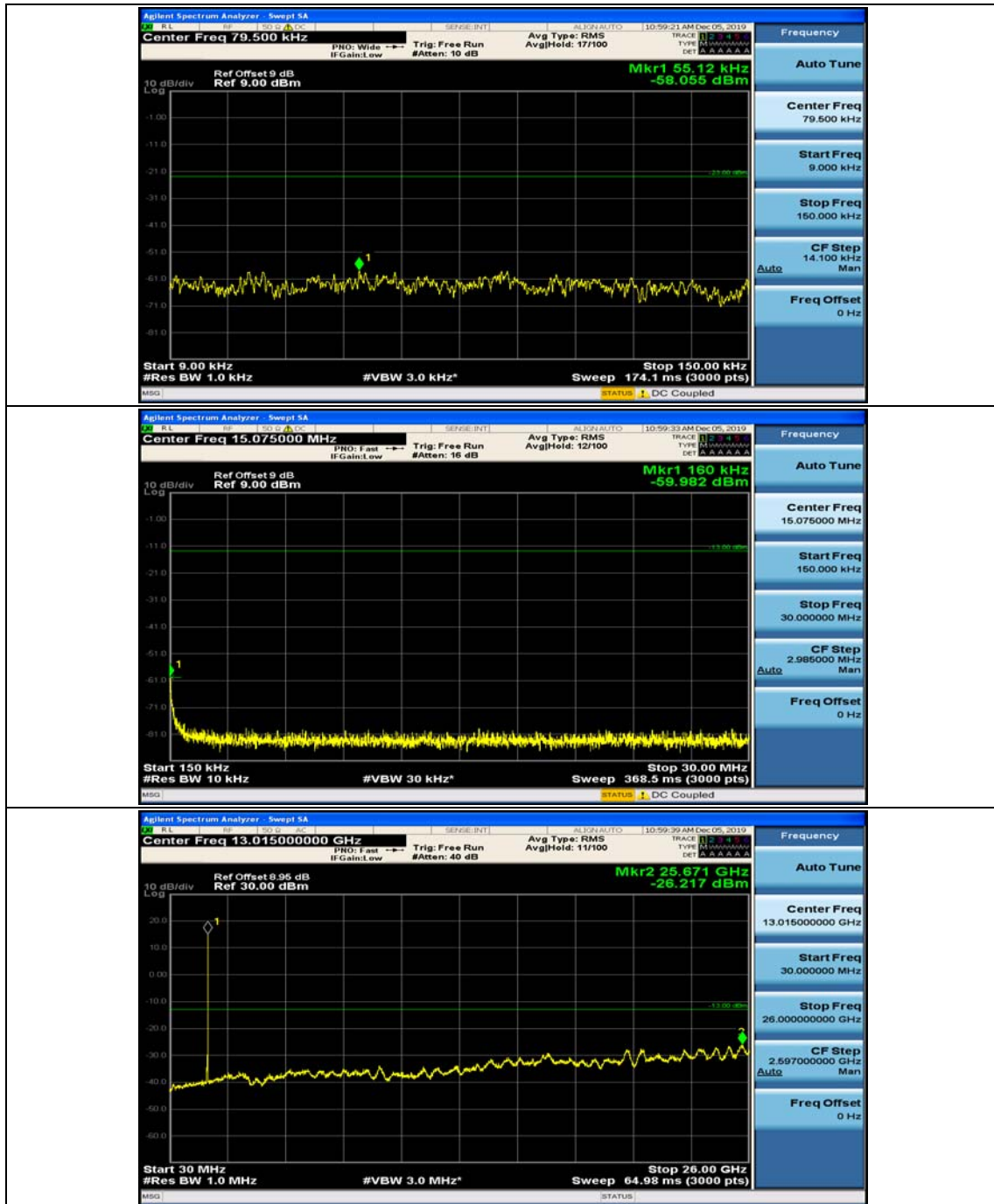


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0

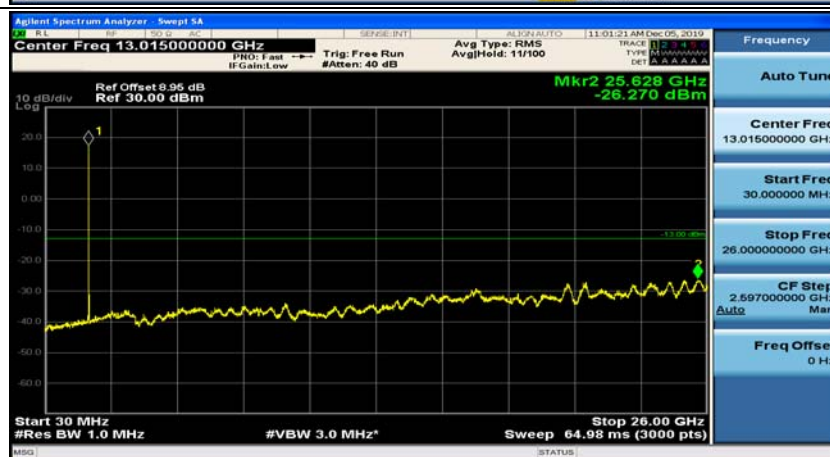
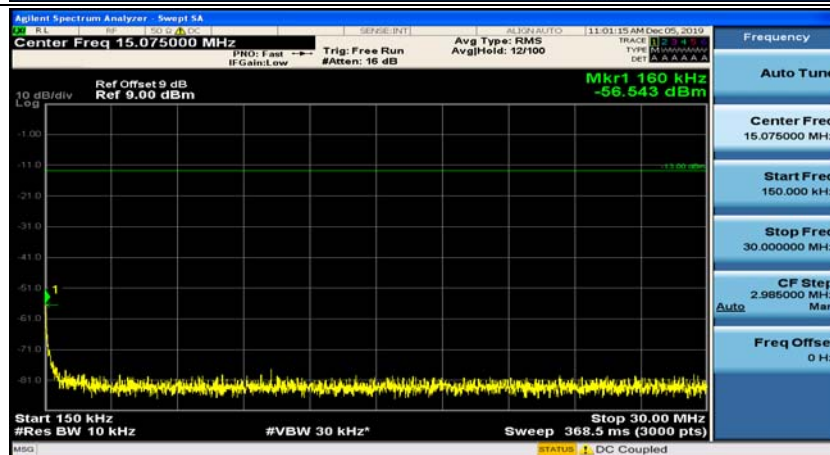
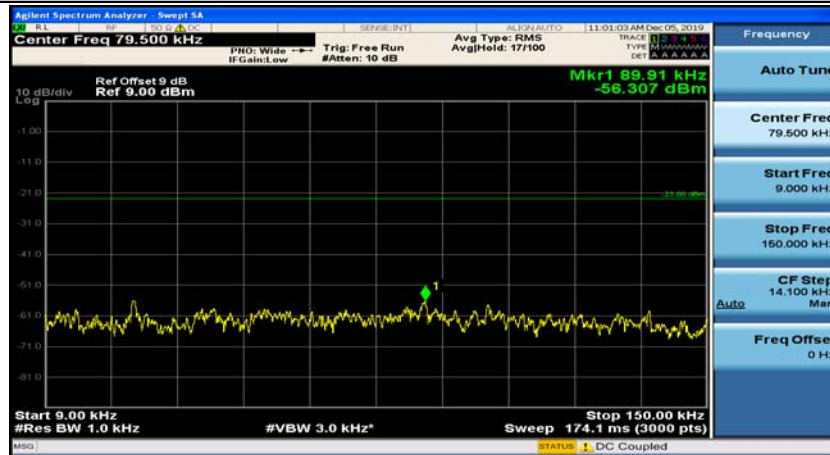


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49

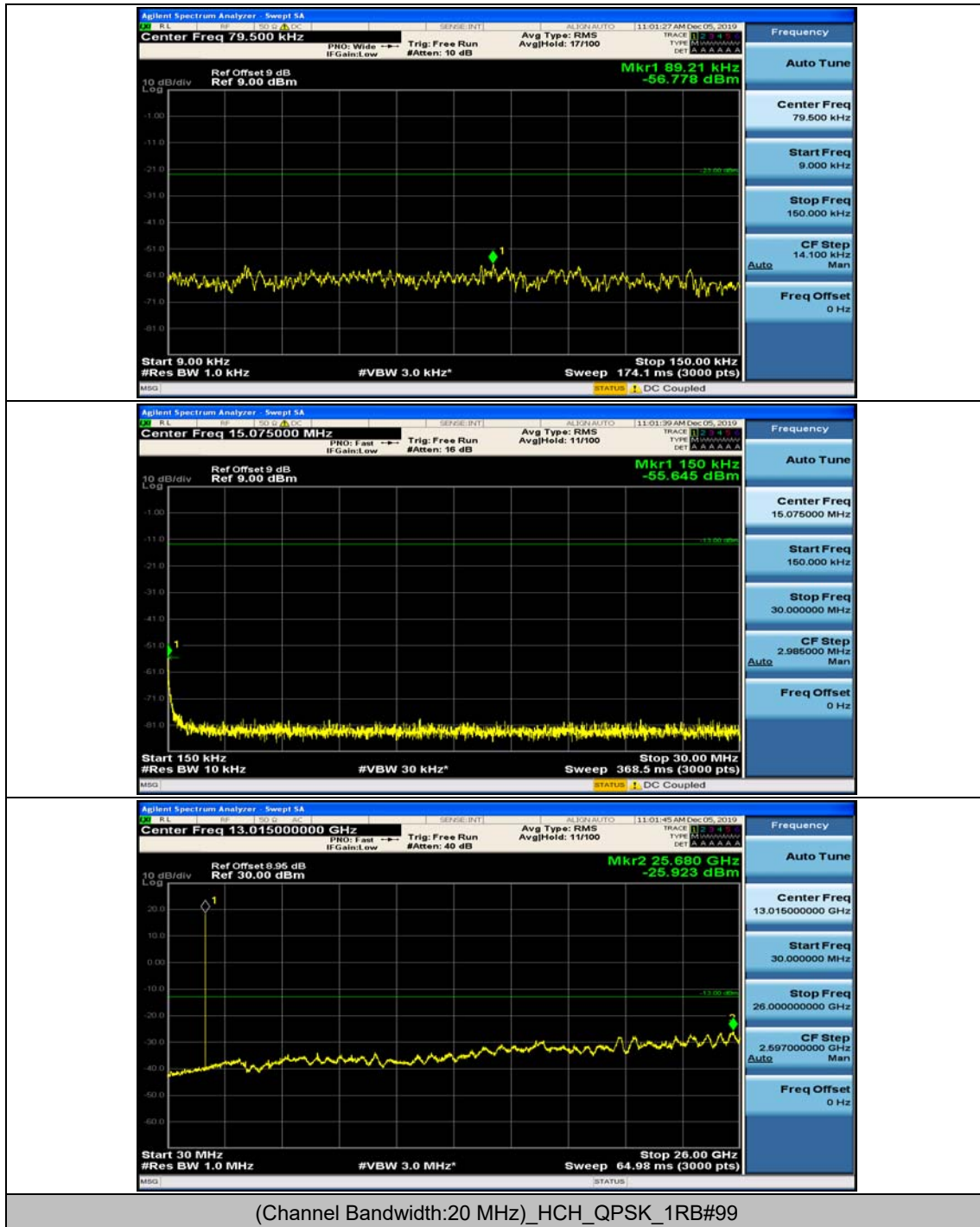


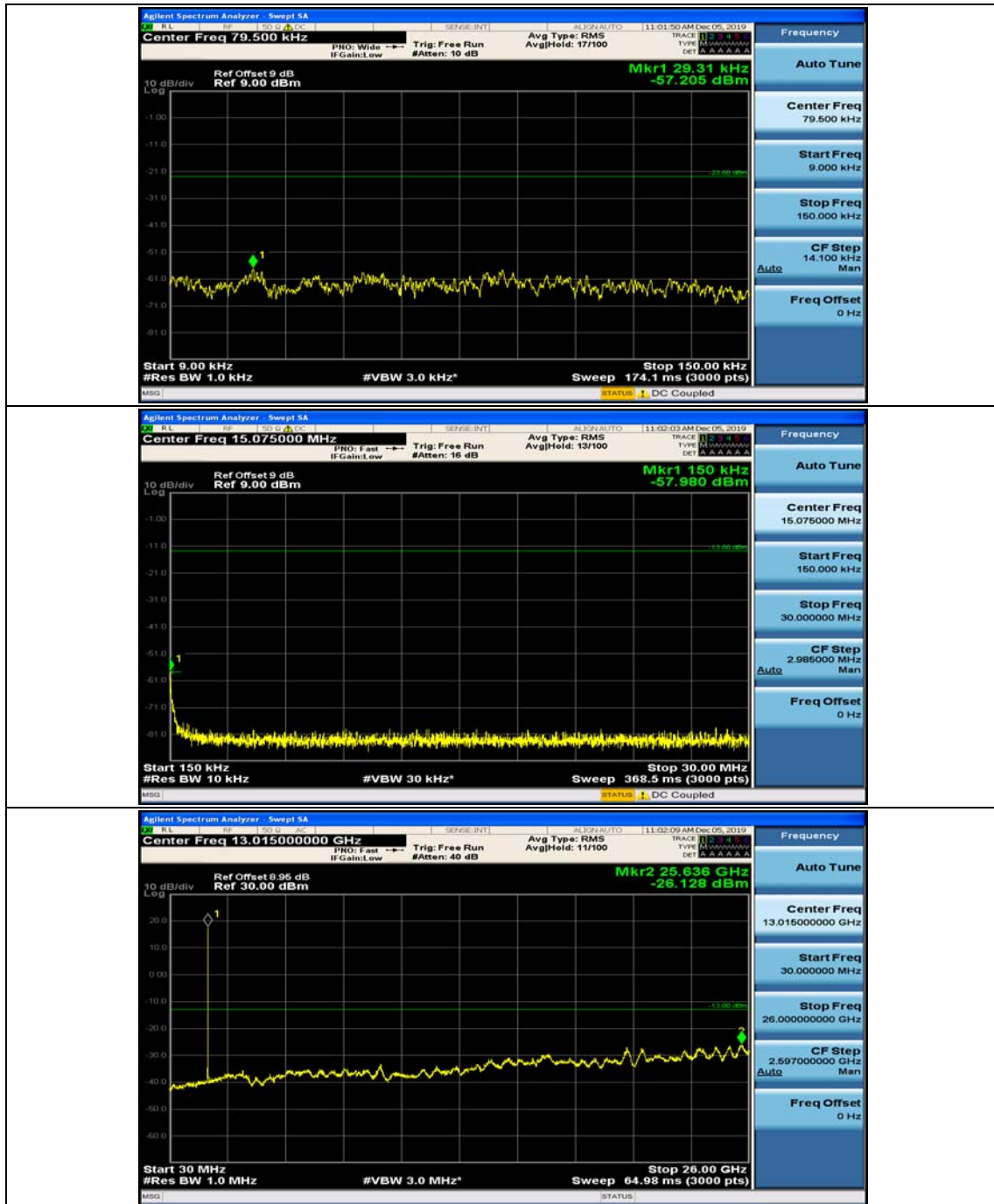


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

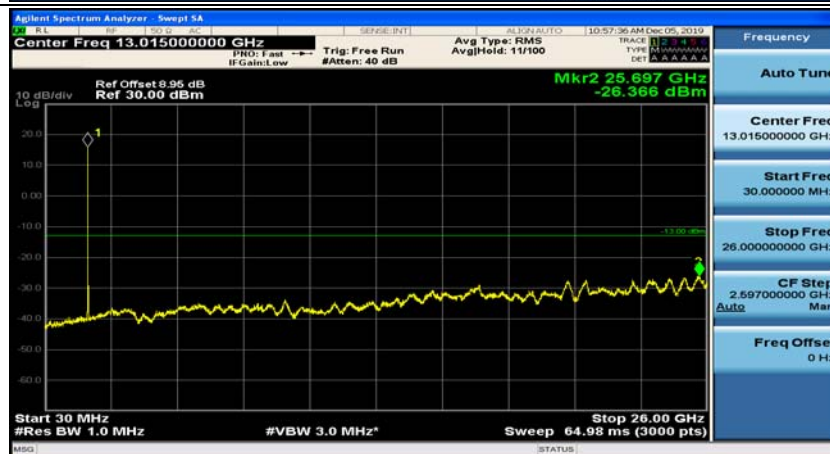
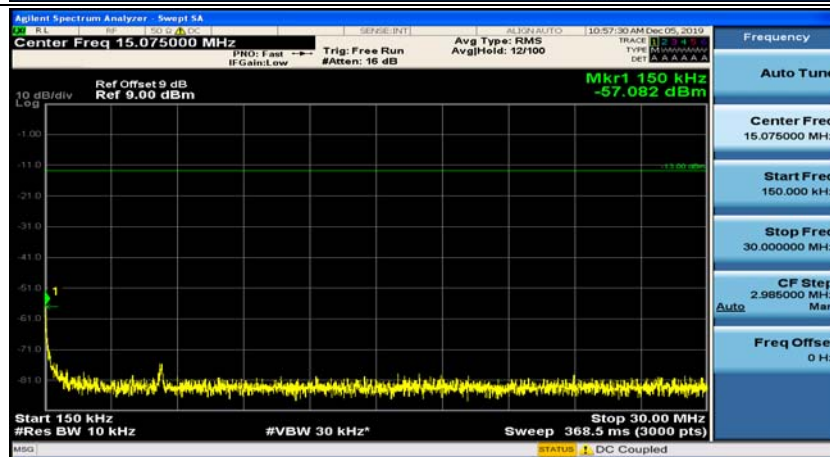


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49

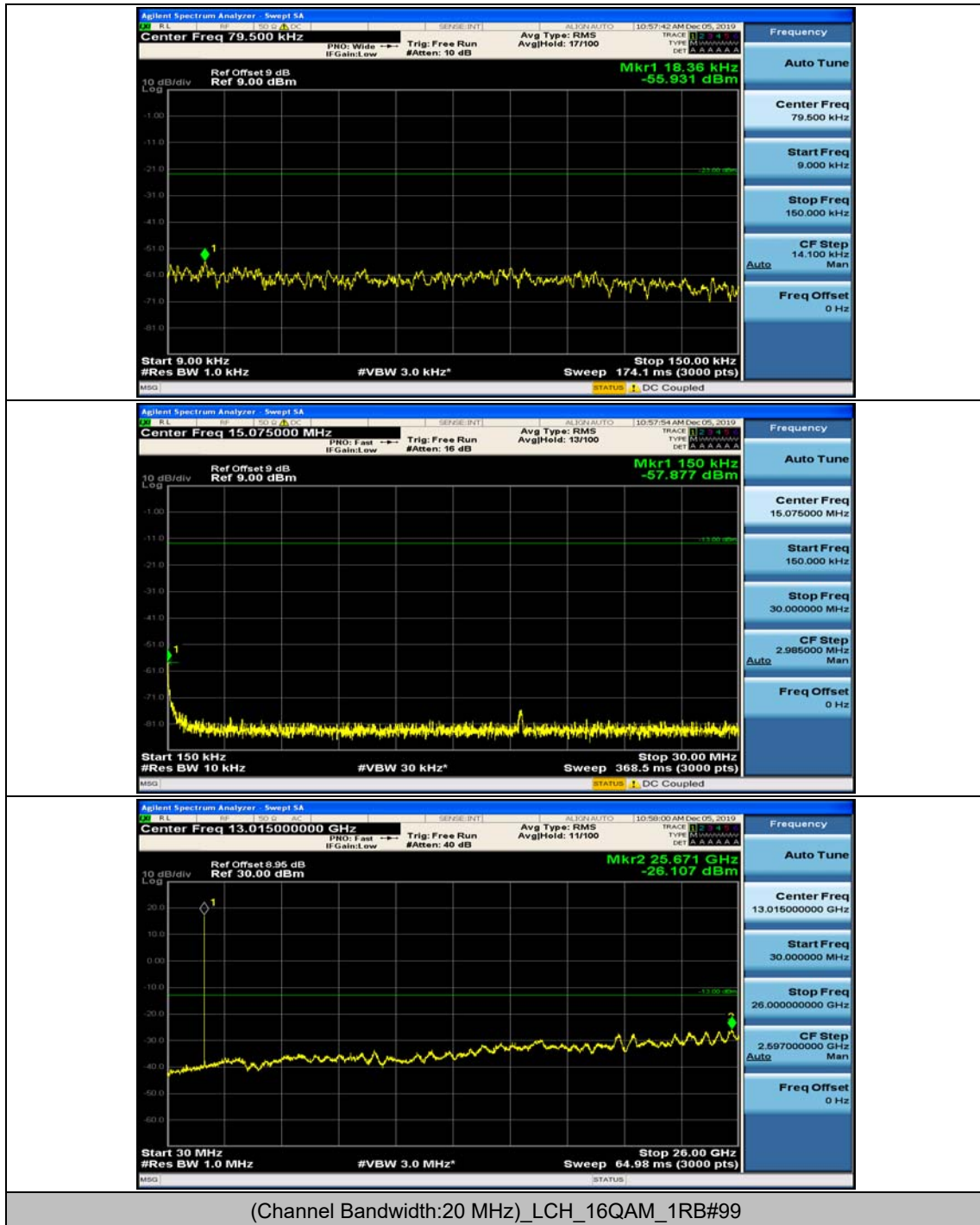


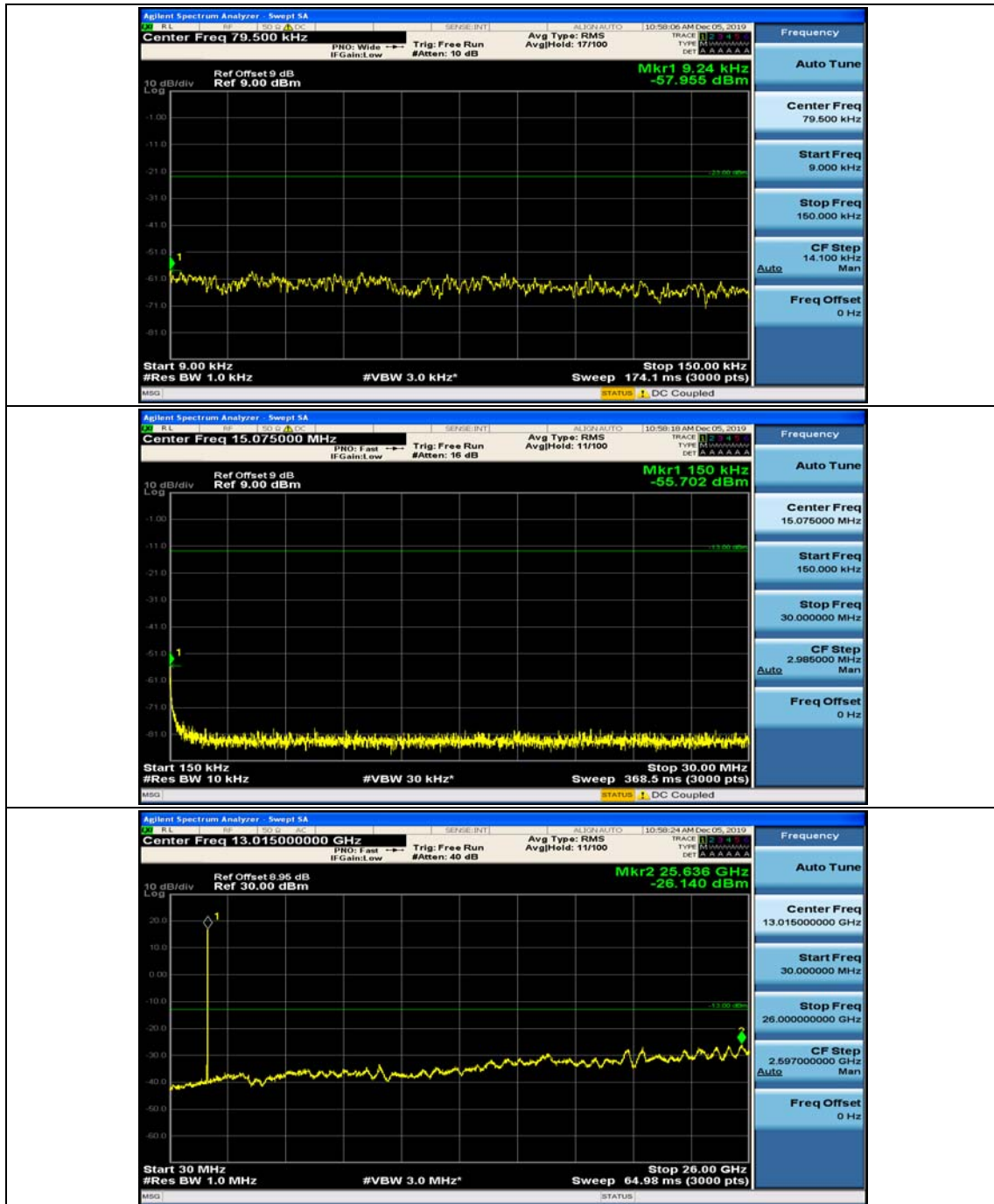


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0

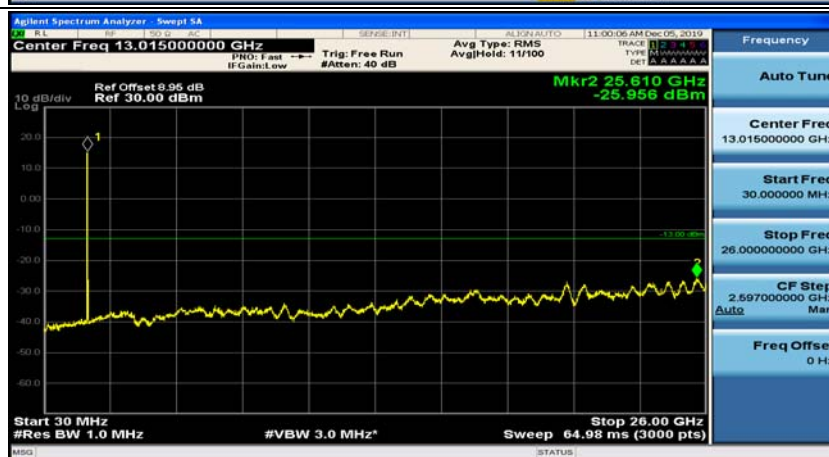
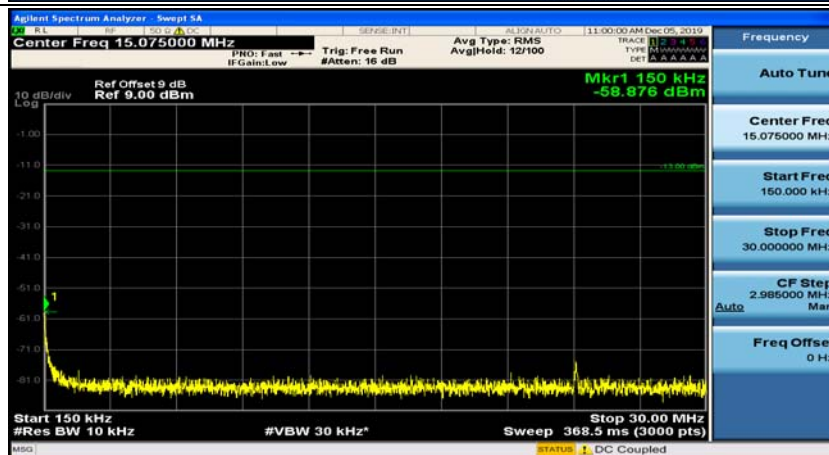
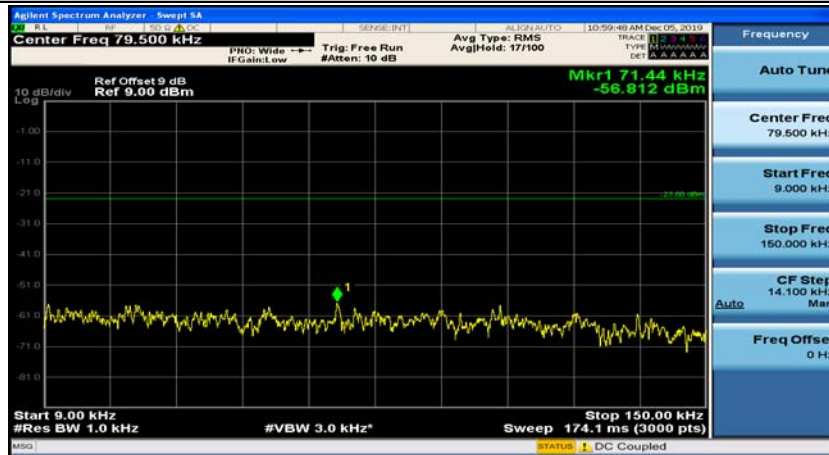


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49

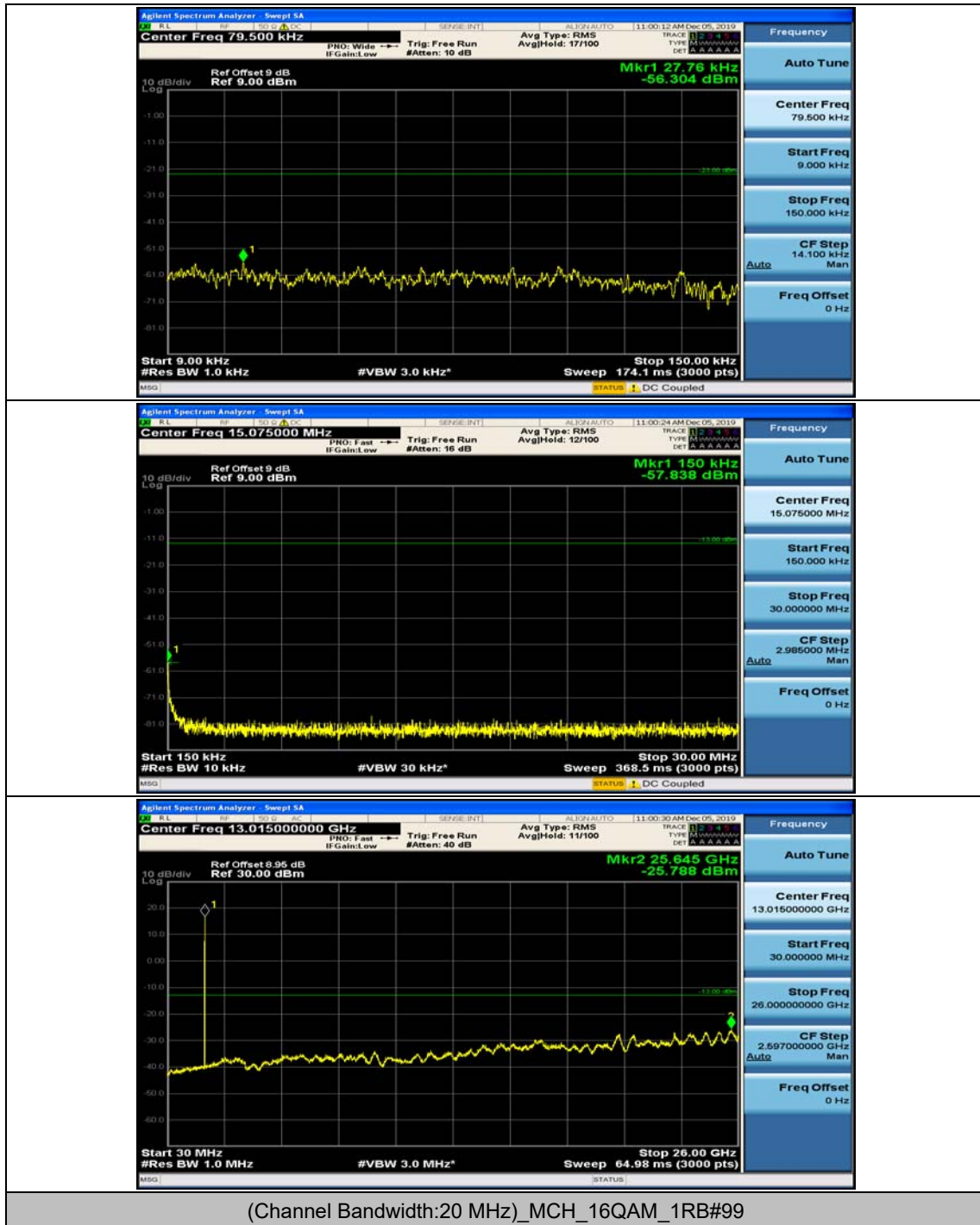


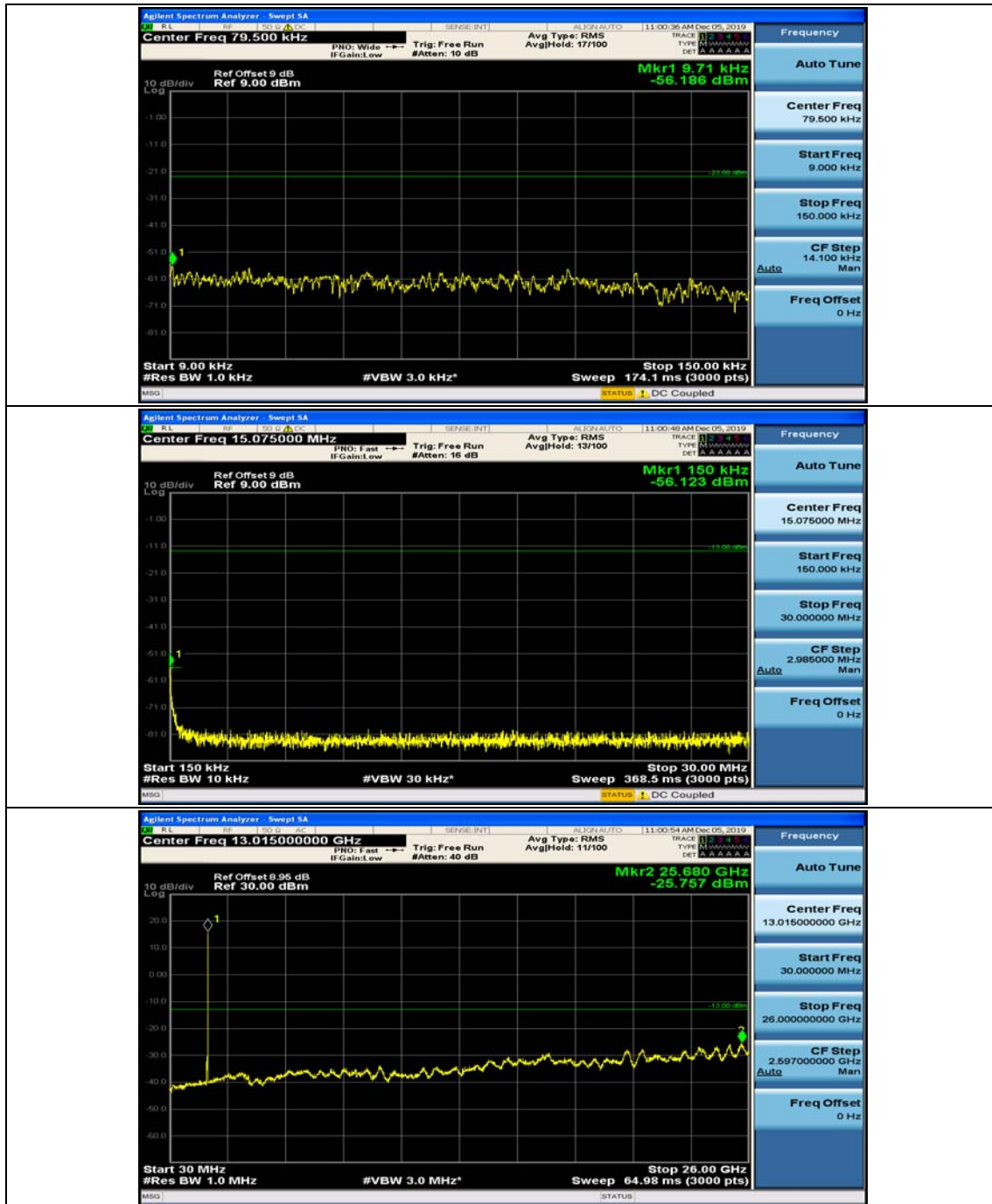


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

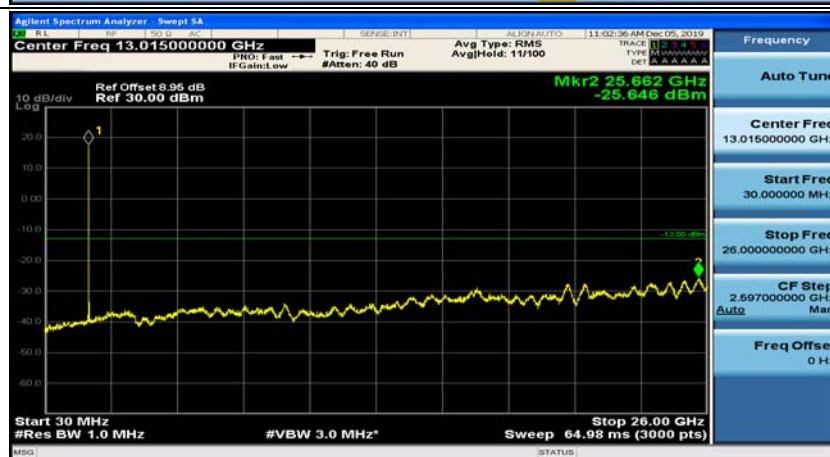
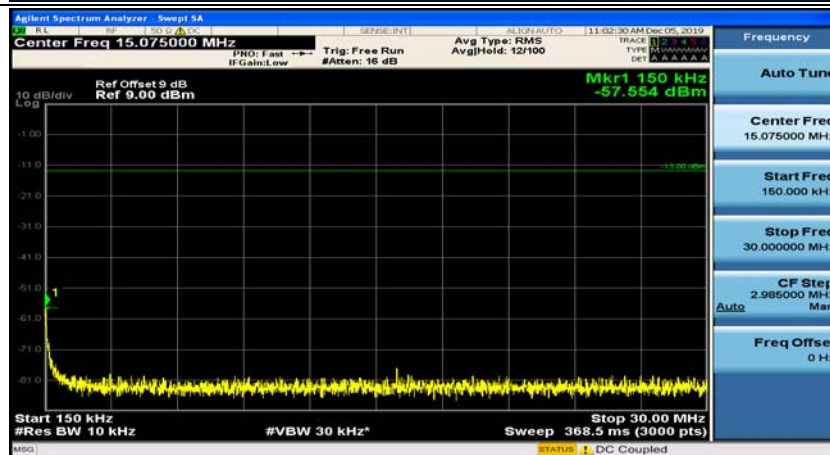
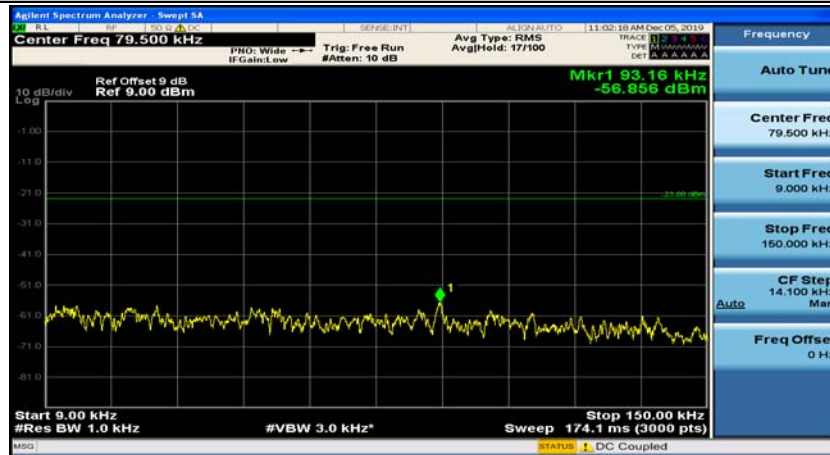


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49

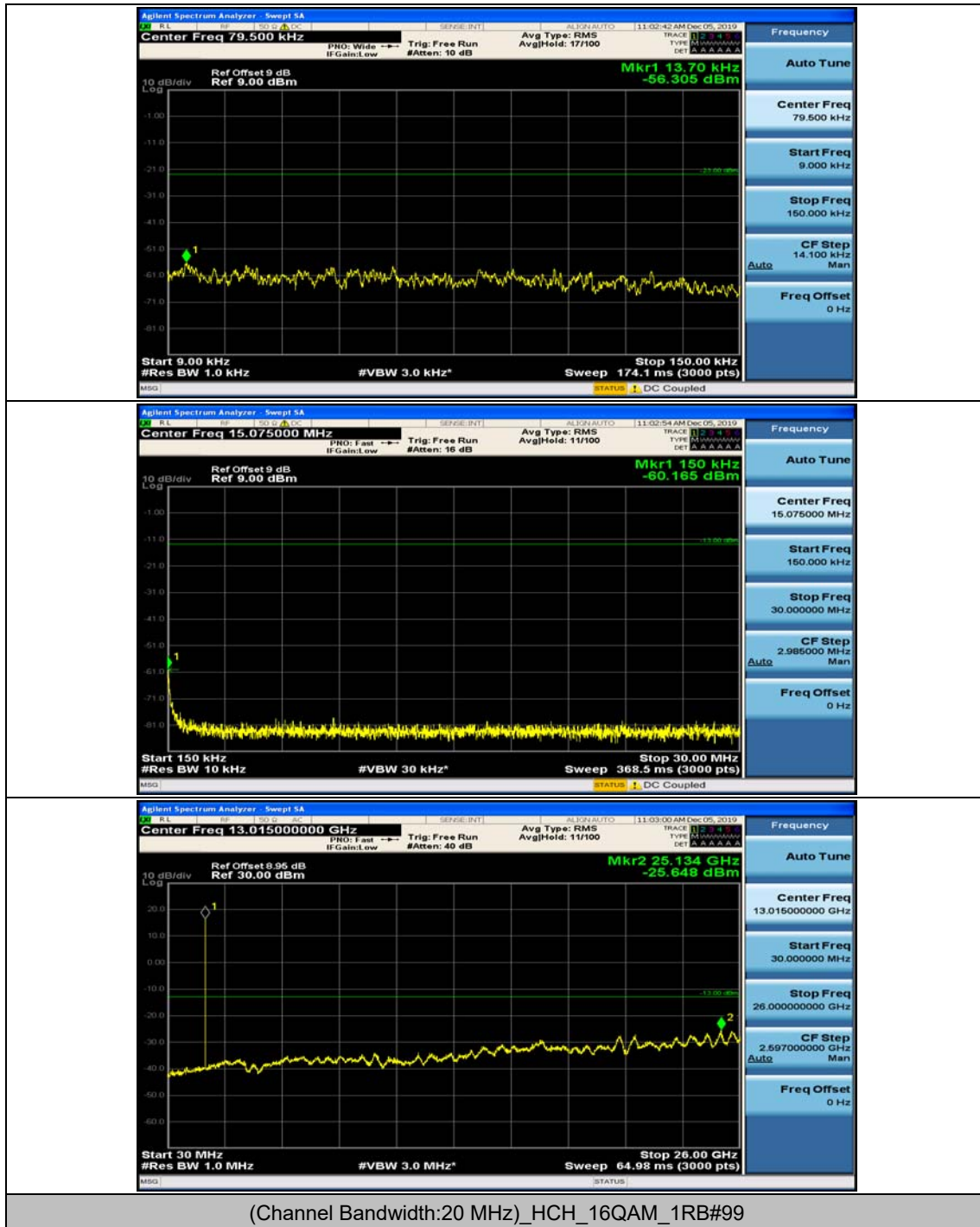


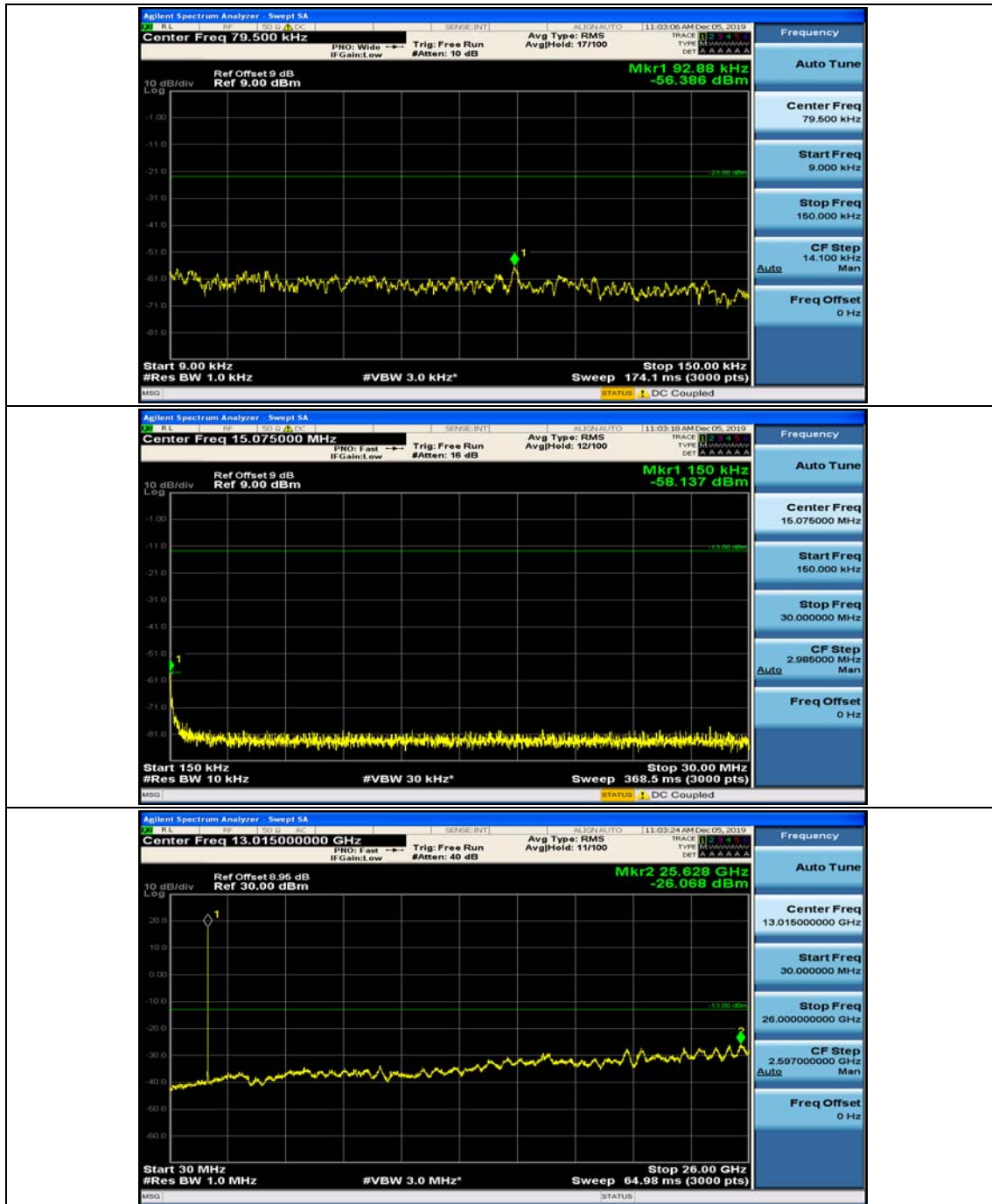


(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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               | 3.5            | 0.002046        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -1.63          | -0.000953       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 0.37           | 0.000216        | ± 2.5       | PASS    |
|                            | MCH     | VL            | TN               | 3.1            | 0.001789        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -1.63          | -0.000941       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 3.38           | 0.001951        | ± 2.5       | PASS    |
|                            | HCH     | VL            | TN               | -0.08          | -0.000046       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -1.32          | -0.000752       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 3.93           | 0.002240        | ± 2.5       | PASS    |
| 16QAM                      | LCH     | VL            | TN               | 0.36           | 0.000210        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | -0.56          | -0.000327       | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 4.11           | 0.002403        | ± 2.5       | PASS    |
|                            | MCH     | VL            | TN               | 2.72           | 0.001570        | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 3.72           | 0.002147        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 0.88           | 0.000508        | ± 2.5       | PASS    |
|                            | HCH     | VL            | TN               | -1.15          | -0.000656       | ± 2.5       | PASS    |
|                            |         | VN            | TN               | 4.24           | 0.002417        | ± 2.5       | PASS    |
|                            |         | VH            | TN               | 4.84           | 0.002759        | ± 2.5       | PASS    |
| Temperature                |         |               |                  |                |                 |             |         |
| Modulation                 | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                       | LCH     | VN            | -30              | 1.64           | 0.000959        | ± 2.5       | PASS    |
|                            |         | VN            | -20              | 1.04           | 0.000608        | ± 2.5       | PASS    |
|                            |         | VN            | -10              | -1.64          | -0.000959       | ± 2.5       | PASS    |
|                            |         | VN            | 0                | 1.76           | 0.001029        | ± 2.5       | PASS    |
|                            |         | VN            | 10               | 4.67           | 0.002730        | ± 2.5       | PASS    |
|                            |         | VN            | 20               | 0.54           | 0.000316        | ± 2.5       | PASS    |
|                            |         | VN            | 30               | 2.44           | 0.001426        | ± 2.5       | PASS    |
|                            |         | VN            | 40               | 3.51           | 0.002052        | ± 2.5       | PASS    |
|                            |         | VN            | 50               | -0.56          | -0.000327       | ± 2.5       | PASS    |
|                            | MCH     | VN            | -30              | -0.28          | -0.000162       | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | -20 | 4.66  | 0.002690  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.15 | -0.000087 | ± 2.5 | PASS |
|       |     | VN | 0   | -0.74 | -0.000427 | ± 2.5 | PASS |
|       |     | VN | 10  | 4.42  | 0.002551  | ± 2.5 | PASS |
|       |     | VN | 20  | 4.84  | 0.002794  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.87  | 0.002811  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.92  | 0.002263  | ± 2.5 | PASS |
|       |     | VN | 50  | 0.83  | 0.000479  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 1.28  | 0.000730  | ± 2.5 | PASS |
|       |     | VN | -20 | -1.99 | -0.001134 | ± 2.5 | PASS |
|       |     | VN | -10 | 2.91  | 0.001659  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.18 | -0.000103 | ± 2.5 | PASS |
|       |     | VN | 10  | 3.67  | 0.002092  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.56 | -0.000319 | ± 2.5 | PASS |
|       |     | VN | 30  | -0.75 | -0.000428 | ± 2.5 | PASS |
|       |     | VN | 40  | 4.99  | 0.002844  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | -0.2  | -0.000117 | ± 2.5 | PASS |
|       |     | VN | -20 | -0.79 | -0.000462 | ± 2.5 | PASS |
|       |     | VN | -10 | -0.75 | -0.000438 | ± 2.5 | PASS |
|       |     | VN | 0   | 3.32  | 0.001941  | ± 2.5 | PASS |
|       |     | VN | 10  | 2.67  | 0.001561  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.55  | 0.001491  | ± 2.5 | PASS |
|       |     | VN | 30  | 1.71  | 0.001000  | ± 2.5 | PASS |
|       |     | VN | 40  | 1.97  | 0.001152  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.88  | 0.002853  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 2.53  | 0.001442  | ± 2.5 | PASS |
|       |     | VN | -20 | 2.11  | 0.001203  | ± 2.5 | PASS |
|       |     | VN | -10 | 2.4   | 0.001368  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.61  | 0.001488  | ± 2.5 | PASS |
|       |     | VN | 10  | 3.17  | 0.001807  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.56 | -0.000319 | ± 2.5 | PASS |
|       |     | VN | 30  | 0.59  | 0.000336  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.34  | 0.002474  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.56  | 0.002599  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 3.85  | 0.002195  | ± 2.5 | PASS |
|       |     | VN | -20 | 1.5   | 0.000855  | ± 2.5 | PASS |
|       |     | VN | -10 | 4.09  | 0.002331  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.21 | -0.000120 | ± 2.5 | PASS |
|       |     | VN | 10  | 2.03  | 0.001157  | ± 2.5 | PASS |
|       |     | VN | 20  | 3.51  | 0.002001  | ± 2.5 | PASS |

|  |  |    |    |       |           |       |      |
|--|--|----|----|-------|-----------|-------|------|
|  |  | VN | 30 | -1.17 | -0.000667 | ± 2.5 | PASS |
|  |  | VN | 40 | 2.98  | 0.001699  | ± 2.5 | PASS |
|  |  | VN | 50 | 0.34  | 0.000194  | ± 2.5 | PASS |

### Channel Bandwidth: 3 MHz

| Channel Bandwidth: 3 MHz+ |         |               |                  |                |                 |             |         |
|---------------------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Voltage                   |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VL            | TN               | 1.77           | 0.001034        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.82           | 0.002232        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.3            | 0.002512        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 0.86           | 0.000496        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.1            | 0.001789        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.09           | 0.002361        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | -0.21          | -0.000120       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.99           | 0.002275        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.46           | 0.000833        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 2.82           | 0.001648        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.51           | 0.002051        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.51           | 0.002051        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.32          | -0.000185       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.93           | 0.001691        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.06          | -0.000612       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 0.19           | 0.000108        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.57           | 0.002036        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 4.05           | 0.002310        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 4.16           | 0.002431        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 3.9            | 0.002279        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 4.44           | 0.002594        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 3.14           | 0.001835        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 3.82           | 0.002232        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 0.71           | 0.000415        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -1.32          | -0.000771       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 4.38           | 0.002559        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | -0.46          | -0.000269       | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | -1.23          | -0.000710       | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 2.04           | 0.001177        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | -10 | -0.92 | -0.000531 | ± 2.5 | PASS |
|       |     | VN | 0   | 0.56  | 0.000323  | ± 2.5 | PASS |
|       |     | VN | 10  | 4.53  | 0.002615  | ± 2.5 | PASS |
|       |     | VN | 20  | -1.2  | -0.000693 | ± 2.5 | PASS |
|       |     | VN | 30  | 3.38  | 0.001951  | ± 2.5 | PASS |
|       |     | VN | 40  | 2.39  | 0.001380  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.55  | 0.000895  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 0.7   | 0.000399  | ± 2.5 | PASS |
|       |     | VN | -20 | 0.34  | 0.000194  | ± 2.5 | PASS |
|       |     | VN | -10 | 1.07  | 0.000610  | ± 2.5 | PASS |
|       |     | VN | 0   | 1.76  | 0.001004  | ± 2.5 | PASS |
|       |     | VN | 10  | -1.33 | -0.000758 | ± 2.5 | PASS |
|       |     | VN | 20  | 2.67  | 0.001523  | ± 2.5 | PASS |
|       |     | VN | 30  | 1.82  | 0.001038  | ± 2.5 | PASS |
|       |     | VN | 40  | 2.6   | 0.001483  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.63  | 0.002070  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | -0.24 | -0.000139 | ± 2.5 | PASS |
|       |     | VN | -20 | -1.75 | -0.001010 | ± 2.5 | PASS |
|       |     | VN | -10 | 3.3   | 0.001905  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.91  | 0.001680  | ± 2.5 | PASS |
|       |     | VN | 10  | -0.97 | -0.000560 | ± 2.5 | PASS |
|       |     | VN | 20  | 3.74  | 0.002159  | ± 2.5 | PASS |
|       |     | VN | 30  | -0.26 | -0.000150 | ± 2.5 | PASS |
|       |     | VN | 40  | 2.04  | 0.001177  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.57  | 0.000906  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 3.97  | 0.002264  | ± 2.5 | PASS |
|       |     | VN | -20 | 2.79  | 0.001591  | ± 2.5 | PASS |
|       |     | VN | -10 | 4.2   | 0.002395  | ± 2.5 | PASS |
|       |     | VN | 0   | 0.97  | 0.000553  | ± 2.5 | PASS |
|       |     | VN | 10  | 4.98  | 0.002840  | ± 2.5 | PASS |
|       |     | VN | 20  | -1.36 | -0.000776 | ± 2.5 | PASS |
|       |     | VN | 30  | 3.32  | 0.001893  | ± 2.5 | PASS |
|       |     | VN | 40  | -0.58 | -0.000331 | ± 2.5 | PASS |
|       |     | VN | 50  | 0.83  | 0.000473  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 0.52  | 0.000297  | ± 2.5 | PASS |
|       |     | VN | -20 | 0.25  | 0.000143  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.36  | 0.001916  | ± 2.5 | PASS |
|       |     | VN | 0   | 0.8   | 0.000456  | ± 2.5 | PASS |
|       |     | VN | 10  | 4.89  | 0.002789  | ± 2.5 | PASS |
|       |     | VN | 20  | 4.47  | 0.002549  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.03  | 0.002298  | ± 2.5 | PASS |

|  |  |    |    |      |          |       |      |
|--|--|----|----|------|----------|-------|------|
|  |  | VN | 40 | 2.39 | 0.001363 | ± 2.5 | PASS |
|  |  | VN | 50 | 4.26 | 0.002429 | ± 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               | 0.79           | 0.000461        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 2.44           | 0.001425        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 2.72           | 0.001588        | ± 2.5       | PASS    |
|                          | MCH     | VL            | TN               | 4.95           | 0.002857        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | -1.52          | -0.000877       | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 2.35           | 0.001356        | ± 2.5       | PASS    |
|                          | HCH     | VL            | TN               | -0.32          | -0.000183       | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 3.05           | 0.001740        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -1.88          | -0.001073       | ± 2.5       | PASS    |
| 16QAM                    | LCH     | VL            | TN               | -1.01          | -0.000590       | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 3.98           | 0.002324        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 4.83           | 0.002820        | ± 2.5       | PASS    |
|                          | MCH     | VL            | TN               | 0.83           | 0.000479        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | -1.76          | -0.001016       | ± 2.5       | PASS    |
|                          |         | VH            | TN               | 4.68           | 0.002701        | ± 2.5       | PASS    |
|                          | HCH     | VL            | TN               | 2.01           | 0.001147        | ± 2.5       | PASS    |
|                          |         | VN            | TN               | 0.59           | 0.000337        | ± 2.5       | PASS    |
|                          |         | VH            | TN               | -1.23          | -0.000702       | ± 2.5       | PASS    |
| Temperature              |         |               |                  |                |                 |             |         |
| Modulation               | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                     | LCH     | VN            | -30              | 2.03           | 0.001185        | ± 2.5       | PASS    |
|                          |         | VN            | -20              | 1.87           | 0.001092        | ± 2.5       | PASS    |
|                          |         | VN            | -10              | 3.64           | 0.002126        | ± 2.5       | PASS    |
|                          |         | VN            | 0                | 0.29           | 0.000169        | ± 2.5       | PASS    |
|                          |         | VN            | 10               | -0.98          | -0.000572       | ± 2.5       | PASS    |
|                          |         | VN            | 20               | 1.2            | 0.000701        | ± 2.5       | PASS    |
|                          |         | VN            | 30               | -0.88          | -0.000514       | ± 2.5       | PASS    |
|                          |         | VN            | 40               | 3.54           | 0.002067        | ± 2.5       | PASS    |
|                          |         | VN            | 50               | -0.78          | -0.000455       | ± 2.5       | PASS    |
|                          | MCH     | VN            | -30              | 0.74           | 0.000427        | ± 2.5       | PASS    |
|                          |         | VN            | -20              | 0.3            | 0.000173        | ± 2.5       | PASS    |
|                          |         | VN            | -10              | 2.35           | 0.001356        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 0   | 4     | 0.002309  | ± 2.5 | PASS |
|       |     | VN | 10  | 3.87  | 0.002234  | ± 2.5 | PASS |
|       |     | VN | 20  | -1.16 | -0.000670 | ± 2.5 | PASS |
|       |     | VN | 30  | 2.51  | 0.001449  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.14  | 0.001812  | ± 2.5 | PASS |
|       |     | VN | 50  | -1.71 | -0.000987 | ± 2.5 | PASS |
|       | HCH | VN | -30 | 4.65  | 0.002653  | ± 2.5 | PASS |
|       |     | VN | -20 | 3.47  | 0.001819  | ± 2.5 | PASS |
|       |     | VN | -10 | 2.43  | 0.001274  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.7   | 0.001415  | ± 2.5 | PASS |
|       |     | VN | 10  | 2.55  | 0.001337  | ± 2.5 | PASS |
|       |     | VN | 20  | 4.52  | 0.002370  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.16  | 0.002181  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.23  | 0.001693  | ± 2.5 | PASS |
|       |     | VN | 50  | 2.48  | 0.001300  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 0.98  | 0.000566  | ± 2.5 | PASS |
|       |     | VN | -20 | 2.31  | 0.001333  | ± 2.5 | PASS |
|       |     | VN | -10 | 0.43  | 0.000248  | ± 2.5 | PASS |
|       |     | VN | 0   | -1.08 | -0.000623 | ± 2.5 | PASS |
|       |     | VN | 10  | 4.34  | 0.002505  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.81  | 0.001622  | ± 2.5 | PASS |
|       |     | VN | 30  | -0.29 | -0.000167 | ± 2.5 | PASS |
|       |     | VN | 40  | 1.43  | 0.000825  | ± 2.5 | PASS |
|       |     | VN | 50  | -1.63 | -0.000941 | ± 2.5 | PASS |
|       | MCH | VN | -30 | -1.39 | -0.000793 | ± 2.5 | PASS |
|       |     | VN | -20 | -0.82 | -0.000468 | ± 2.5 | PASS |
|       |     | VN | -10 | 2.8   | 0.001598  | ± 2.5 | PASS |
|       |     | VN | 0   | -1.71 | -0.000976 | ± 2.5 | PASS |
|       |     | VN | 10  | 0.31  | 0.000177  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.96  | 0.001689  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.98  | 0.000559  | ± 2.5 | PASS |
|       |     | VN | 40  | 0.75  | 0.000428  | ± 2.5 | PASS |
|       |     | VN | 50  | 0.55  | 0.000314  | ± 2.5 | PASS |
|       | HCH | VN | -30 | -0.39 | -0.000204 | ± 2.5 | PASS |
|       |     | VN | -20 | 5     | 0.002621  | ± 2.5 | PASS |
|       |     | VN | -10 | 4.92  | 0.002579  | ± 2.5 | PASS |
|       |     | VN | 0   | 0.75  | 0.000393  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.8   | 0.000419  | ± 2.5 | PASS |
|       |     | VN | 20  | 3.43  | 0.001798  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.36  | 0.000189  | ± 2.5 | PASS |
|       |     | VN | 40  | -1.91 | -0.001001 | ± 2.5 | PASS |

|  |  |    |    |      |          |       |      |
|--|--|----|----|------|----------|-------|------|
|  |  | VN | 50 | 3.85 | 0.002018 | ± 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               | 1.89           | 0.001102        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.76          | -0.000443       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.55           | 0.002070        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 4.12           | 0.002378        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.66          | -0.000381       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.76           | 0.000439        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 2.61           | 0.001491        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 4.19           | 0.002394        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.92           | 0.002240        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 4.43           | 0.002583        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.79          | -0.001044       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.74          | -0.001015       | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 2.16           | 0.001247        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 3.49           | 0.002014        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.03           | 0.000595        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 3.63           | 0.002074        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 1.07           | 0.000611        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 3.47           | 0.001983        | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 1.02           | 0.000595        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 2.37           | 0.001382        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 0.7            | 0.000408        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -1.94          | -0.001131       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 0.19           | 0.000111        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | -0.67          | -0.000391       | ± 2.5       | PASS    |
|                           |         | VN            | 30               | 0.62           | 0.000362        | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 0.46           | 0.000268        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | -0.81          | -0.000472       | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | 4.67           | 0.002696        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 4.76           | 0.002747        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 1.57           | 0.000906        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -1.04          | -0.000600       | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 10  | -1.39 | -0.000802 | ± 2.5 | PASS |
|       |     | VN | 20  | 1.73  | 0.000999  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.7   | 0.002713  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.26  | 0.001882  | ± 2.5 | PASS |
|       |     | VN | 50  | 2.96  | 0.001709  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 1.64  | 0.000937  | ± 2.5 | PASS |
|       |     | VN | -20 | 1.34  | 0.000766  | ± 2.5 | PASS |
|       |     | VN | -10 | -1.44 | -0.000823 | ± 2.5 | PASS |
|       |     | VN | 0   | -1.53 | -0.000874 | ± 2.5 | PASS |
|       |     | VN | 10  | -1.17 | -0.000669 | ± 2.5 | PASS |
|       |     | VN | 20  | 0.99  | 0.000566  | ± 2.5 | PASS |
|       |     | VN | 30  | -1.26 | -0.000720 | ± 2.5 | PASS |
|       |     | VN | 40  | 3.12  | 0.001783  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.38  | 0.002503  | ± 2.5 | PASS |
|       |     | VN | -30 | 3.73  | 0.002153  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -20 | 1.37  | 0.000791  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.18  | 0.001835  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.74  | 0.001582  | ± 2.5 | PASS |
|       |     | VN | 10  | 4.65  | 0.002684  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.06  | 0.001189  | ± 2.5 | PASS |
|       |     | VN | 30  | -1.13 | -0.000652 | ± 2.5 | PASS |
|       |     | VN | 40  | -0.01 | -0.000006 | ± 2.5 | PASS |
|       |     | VN | 50  | 2.66  | 0.001535  | ± 2.5 | PASS |
|       | MCH | VN | -30 | 4.73  | 0.002703  | ± 2.5 | PASS |
|       |     | VN | -20 | 2.56  | 0.001463  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.98 | -0.000560 | ± 2.5 | PASS |
|       |     | VN | 0   | 3.84  | 0.002194  | ± 2.5 | PASS |
|       |     | VN | 10  | -0.06 | -0.000034 | ± 2.5 | PASS |
|       |     | VN | 20  | 1.02  | 0.000583  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.01  | 0.002291  | ± 2.5 | PASS |
|       |     | VN | 40  | 1.55  | 0.000886  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.4   | 0.002514  | ± 2.5 | PASS |
|       | HCH | VN | -30 | -1.8  | -0.001029 | ± 2.5 | PASS |
|       |     | VN | -20 | 1.35  | 0.000771  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.33  | 0.001903  | ± 2.5 | PASS |
|       |     | VN | 0   | 1.89  | 0.001080  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.66  | 0.000377  | ± 2.5 | PASS |
|       |     | VN | 20  | 0.39  | 0.000223  | ± 2.5 | PASS |
|       |     | VN | 30  | 0.21  | 0.000120  | ± 2.5 | PASS |
|       |     | VN | 40  | -0.23 | -0.000131 | ± 2.5 | PASS |
|       |     | VN | 50  | 0.98  | 0.000560  | ± 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               | 0.73           | 0.000425        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.9           | -0.001106       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.86           | 0.001083        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.73          | -0.000421       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.08          | -0.000623       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.71           | 0.000987        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 1.56           | 0.000893        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.9           | -0.001087       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.44           | 0.000252        | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | 0.67           | 0.000390        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.92          | -0.000536       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 0.35           | 0.000204        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 3.28           | 0.001893        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.32          | -0.000762       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.48           | 0.001431        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 1.65           | 0.000944        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.15           | 0.001230        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.2           | -0.000114       | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 4.08           | 0.002376        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 0.89           | 0.000518        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 1.27           | 0.000739        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 3.06           | 0.001782        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 2.99           | 0.001741        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 1.88           | 0.001095        | ± 2.5       | PASS    |
|                           |         | VN            | 30               | -0.46          | -0.000268       | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 0.85           | 0.000495        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 1.36           | 0.000792        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | 3.89           | 0.002245        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -1.92          | -0.001108       | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 0.05           | 0.000029        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 0.26           | 0.000150        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -0.25          | -0.000144       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 0.15           | 0.000087        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 30  | -1.57 | -0.000906 | ± 2.5 | PASS |
|       |     | VN | 40  | 0.17  | 0.000098  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.95  | 0.002857  | ± 2.5 | PASS |
|       | HCH | VN | -30 | -1.81 | -0.001036 | ± 2.5 | PASS |
|       |     | VN | -20 | 0.96  | 0.000549  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.32 | -0.000183 | ± 2.5 | PASS |
|       |     | VN | 0   | -1.68 | -0.000961 | ± 2.5 | PASS |
|       |     | VN | 10  | 3.32  | 0.001900  | ± 2.5 | PASS |
|       |     | VN | 20  | 3.4   | 0.001946  | ± 2.5 | PASS |
|       |     | VN | 30  | 3.54  | 0.002026  | ± 2.5 | PASS |
|       |     | VN | 40  | 0.31  | 0.000177  | ± 2.5 | PASS |
|       |     | VN | 50  | 0.73  | 0.000418  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 3.18  | 0.001835  | ± 2.5 | PASS |
|       |     | VN | -20 | 4.06  | 0.002343  | ± 2.5 | PASS |
|       |     | VN | -10 | 0.89  | 0.000514  | ± 2.5 | PASS |
|       |     | VN | 0   | -0.17 | -0.000098 | ± 2.5 | PASS |
|       |     | VN | 10  | -0.47 | -0.000271 | ± 2.5 | PASS |
|       |     | VN | 20  | 3.75  | 0.002165  | ± 2.5 | PASS |
|       |     | VN | 30  | -1.38 | -0.000797 | ± 2.5 | PASS |
|       |     | VN | 40  | 4.06  | 0.002343  | ± 2.5 | PASS |
|       |     | VN | 50  | -0.87 | -0.000502 | ± 2.5 | PASS |
|       | MCH | VN | -30 | 4.11  | 0.002352  | ± 2.5 | PASS |
|       |     | VN | -20 | 4.97  | 0.002844  | ± 2.5 | PASS |
|       |     | VN | -10 | 4.89  | 0.002798  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.66  | 0.001522  | ± 2.5 | PASS |
|       |     | VN | 10  | -0.38 | -0.000217 | ± 2.5 | PASS |
|       |     | VN | 20  | -1.43 | -0.000818 | ± 2.5 | PASS |
|       |     | VN | 30  | 2.85  | 0.001631  | ± 2.5 | PASS |
|       |     | VN | 40  | 1.59  | 0.000910  | ± 2.5 | PASS |
|       |     | VN | 50  | -0.76 | -0.000435 | ± 2.5 | PASS |
|       | HCH | VN | -30 | -0.32 | -0.000183 | ± 2.5 | PASS |
|       |     | VN | -20 | 4.97  | 0.002844  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.23  | 0.001848  | ± 2.5 | PASS |
|       |     | VN | 0   | -1.66 | -0.000950 | ± 2.5 | PASS |
|       |     | VN | 10  | 0.85  | 0.000486  | ± 2.5 | PASS |
|       |     | VN | 20  | 3.09  | 0.001768  | ± 2.5 | PASS |
|       |     | VN | 30  | -1.18 | -0.000675 | ± 2.5 | PASS |
|       |     | VN | 40  | 4.07  | 0.002329  | ± 2.5 | PASS |
|       |     | VN | 50  | 0.23  | 0.000132  | ± 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               | 0.92           | 0.000535        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.25           | 0.001308        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 2.06           | 0.001198        | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | -0.25          | -0.000144       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 4.18           | 0.002413        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.21          | -0.000698       | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 2.7            | 0.001547        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.63          | -0.000361       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.29          | -0.000166       | ± 2.5       | PASS    |
| 16QAM                     | LCH     | VL            | TN               | -1.27          | -0.000738       | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -1.51          | -0.000878       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -0.84          | -0.000488       | ± 2.5       | PASS    |
|                           | MCH     | VL            | TN               | 0.8            | 0.000462        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | -0.88          | -0.000508       | ± 2.5       | PASS    |
|                           |         | VH            | TN               | 1.59           | 0.000918        | ± 2.5       | PASS    |
|                           | HCH     | VL            | TN               | 2.26           | 0.001295        | ± 2.5       | PASS    |
|                           |         | VN            | TN               | 2.3            | 0.001318        | ± 2.5       | PASS    |
|                           |         | VH            | TN               | -1.79          | -0.001026       | ± 2.5       | PASS    |
| Temperature               |         |               |                  |                |                 |             |         |
| Modulation                | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| QPSK                      | LCH     | VN            | -30              | 0.8            | 0.000465        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | -0.05          | -0.000029       | ± 2.5       | PASS    |
|                           |         | VN            | -10              | -1.41          | -0.000820       | ± 2.5       | PASS    |
|                           |         | VN            | 0                | -1.87          | -0.001087       | ± 2.5       | PASS    |
|                           |         | VN            | 10               | -1.63          | -0.000948       | ± 2.5       | PASS    |
|                           |         | VN            | 20               | -0.84          | -0.000488       | ± 2.5       | PASS    |
|                           |         | VN            | 30               | 0.28           | 0.000163        | ± 2.5       | PASS    |
|                           |         | VN            | 40               | 1.3            | 0.000756        | ± 2.5       | PASS    |
|                           |         | VN            | 50               | 1.75           | 0.001017        | ± 2.5       | PASS    |
|                           | MCH     | VN            | -30              | 3.71           | 0.002141        | ± 2.5       | PASS    |
|                           |         | VN            | -20              | 3.59           | 0.002072        | ± 2.5       | PASS    |
|                           |         | VN            | -10              | 4.35           | 0.002511        | ± 2.5       | PASS    |
|                           |         | VN            | 0                | 1.11           | 0.000641        | ± 2.5       | PASS    |
|                           |         | VN            | 10               | 4.85           | 0.002799        | ± 2.5       | PASS    |
|                           |         | VN            | 20               | 4.79           | 0.002765        | ± 2.5       | PASS    |

|       |     |    |     |       |           |       |      |
|-------|-----|----|-----|-------|-----------|-------|------|
|       |     | VN | 30  | 4.36  | 0.002517  | ± 2.5 | PASS |
|       |     | VN | 40  | 2.85  | 0.001645  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.66  | 0.002690  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 2.38  | 0.001364  | ± 2.5 | PASS |
|       |     | VN | -20 | 4.57  | 0.002619  | ± 2.5 | PASS |
|       |     | VN | -10 | 3.4   | 0.001948  | ± 2.5 | PASS |
|       |     | VN | 0   | 2.08  | 0.001192  | ± 2.5 | PASS |
|       |     | VN | 10  | -1.12 | -0.000642 | ± 2.5 | PASS |
|       |     | VN | 20  | 4.53  | 0.002596  | ± 2.5 | PASS |
|       |     | VN | 30  | 4.46  | 0.002556  | ± 2.5 | PASS |
|       |     | VN | 40  | 4.71  | 0.002699  | ± 2.5 | PASS |
|       |     | VN | 50  | 4.81  | 0.002756  | ± 2.5 | PASS |
| 16QAM | LCH | VN | -30 | 3.29  | 0.001899  | ± 2.5 | PASS |
|       |     | VN | -20 | 0.92  | 0.000531  | ± 2.5 | PASS |
|       |     | VN | -10 | 0.06  | 0.000035  | ± 2.5 | PASS |
|       |     | VN | 0   | 1.95  | 0.001126  | ± 2.5 | PASS |
|       |     | VN | 10  | 0.92  | 0.000531  | ± 2.5 | PASS |
|       |     | VN | 20  | -0.76 | -0.000439 | ± 2.5 | PASS |
|       |     | VN | 30  | 4.52  | 0.002609  | ± 2.5 | PASS |
|       |     | VN | 40  | 0.67  | 0.000387  | ± 2.5 | PASS |
|       |     | VN | 50  | 3.79  | 0.002188  | ± 2.5 | PASS |
|       | MCH | VN | -30 | -0.15 | -0.000086 | ± 2.5 | PASS |
|       |     | VN | -20 | 2.97  | 0.001702  | ± 2.5 | PASS |
|       |     | VN | -10 | -0.8  | -0.000458 | ± 2.5 | PASS |
|       |     | VN | 0   | 3.73  | 0.002138  | ± 2.5 | PASS |
|       |     | VN | 10  | 4.58  | 0.002625  | ± 2.5 | PASS |
|       |     | VN | 20  | 2.24  | 0.001284  | ± 2.5 | PASS |
|       |     | VN | 30  | 2.76  | 0.001582  | ± 2.5 | PASS |
|       |     | VN | 40  | 3.32  | 0.001903  | ± 2.5 | PASS |
|       |     | VN | 50  | 1.4   | 0.000802  | ± 2.5 | PASS |
|       | HCH | VN | -30 | 1.83  | 0.001049  | ± 2.5 | PASS |
|       |     | VN | -20 | 0.53  | 0.000304  | ± 2.5 | PASS |
|       |     | VN | -10 | 4.72  | 0.002705  | ± 2.5 | PASS |
|       |     | VN | 0   | 4.78  | 0.002739  | ± 2.5 | PASS |
|       |     | VN | 10  | 2.07  | 0.001186  | ± 2.5 | PASS |
|       |     | VN | 20  | 0.28  | 0.000160  | ± 2.5 | PASS |
|       |     | VN | 30  | -0.29 | -0.000166 | ± 2.5 | PASS |
|       |     | VN | 40  | 3.35  | 0.001920  | ± 2.5 | PASS |
|       |     | VN | 50  | -1.88 | -0.001077 | ± 2.5 | PASS |