# Appendix F: Test Data for E-UTRA Band 2

**Product Name: TABLET**

**Trade Mark: armourphone**

**Test Model: TB8**

**Environmental Conditions**

| | |
|---|---|
| Temperature: | 22.9° C |
| Relative Humidity: | 53.3% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Diamond Lu |
| Supervised by: | Li Huan |

## F.1 Conducted Output Power

| Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 22.04 | 20.94 | PASS |
| | | 1 | 3 | 22.11 | 20.96 | PASS |
| | | 1 | 5 | 21.97 | 20.71 | PASS |
| | | 3 | 0 | 22.15 | 20.87 | PASS |
| | | 3 | 2 | 22.31 | 20.83 | PASS |
| | | 3 | 3 | 22.10 | 20.87 | PASS |
| | | 6 | 0 | 21.09 | 20.15 | PASS |
| | MCH | 1 | 0 | 22.58 | 21.53 | PASS |
| | | 1 | 3 | 22.68 | 21.63 | PASS |
| | | 1 | 5 | 22.52 | 21.52 | PASS |
| | | 3 | 0 | 22.66 | 21.72 | PASS |
| | | 3 | 2 | 22.62 | 21.77 | PASS |
| | | 3 | 3 | 22.57 | 21.72 | PASS |
| | | 6 | 0 | 21.53 | 20.34 | PASS |
| | HCH | 1 | 0 | 22.62 | 22.01 | PASS |
| | | 1 | 3 | 22.56 | 22.03 | PASS |
| | | 1 | 5 | 22.46 | 21.88 | PASS |
| | | 3 | 0 | 22.51 | 21.59 | PASS |
| | | 3 | 2 | 22.48 | 21.61 | PASS |
| | | 3 | 3 | 22.40 | 21.54 | PASS |
| | | 6 | 0 | 21.64 | 20.39 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 3 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 22.23 | 21.52 | PASS |
| | | 1 | 7 | 22.21 | 21.44 | PASS |
| | | 1 | 14 | 22.20 | 21.31 | PASS |
| | | 8 | 0 | 21.36 | 20.27 | PASS |
| | | 8 | 4 | 21.26 | 20.27 | PASS |
| | | 8 | 7 | 21.25 | 20.26 | PASS |
| | | 15 | 0 | 21.27 | 20.20 | PASS |
| | MCH | 1 | 0 | 22.41 | 21.61 | PASS |
| | | 1 | 7 | 22.49 | 21.93 | PASS |
| | | 1 | 14 | 22.71 | 21.97 | PASS |
| | | 8 | 0 | 21.50 | 20.45 | PASS |
| | | 8 | 4 | 21.55 | 20.41 | PASS |
| | | 8 | 7 | 21.52 | 20.37 | PASS |
| | | 15 | 0 | 21.47 | 20.32 | PASS |
| | HCH | 1 | 0 | 22.59 | 21.21 | PASS |
| | | 1 | 7 | 22.62 | 21.69 | PASS |
| | | 1 | 14 | 22.24 | 21.39 | PASS |
| | | 8 | 0 | 21.79 | 20.63 | PASS |
| | | 8 | 4 | 21.77 | 20.55 | PASS |
| | | 8 | 7 | 21.72 | 20.56 | PASS |
| | | 15 | 0 | 21.65 | 20.62 | PASS |

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| Conducted Output Power Test Result (Channel Bandwidth: 5 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 22.17 | 21.00 | PASS |
| | | 1 | 12 | 22.31 | 21.04 | PASS |
| | | 1 | 24 | 22.04 | 20.81 | PASS |
| | | 12 | 0 | 21.23 | 20.28 | PASS |
| | | 12 | 6 | 21.18 | 20.29 | PASS |
| | | 12 | 13 | 21.16 | 20.15 | PASS |
| | | 25 | 0 | 21.18 | 20.36 | PASS |
| | MCH | 1 | 0 | 22.62 | 21.30 | PASS |
| | | 1 | 12 | 23.09 | 21.62 | PASS |
| | | 1 | 24 | 22.80 | 21.42 | PASS |
| | | 12 | 0 | 21.54 | 20.40 | PASS |
| | | 12 | 6 | 21.63 | 20.68 | PASS |
| | | 12 | 13 | 21.55 | 20.66 | PASS |
| | | 25 | 0 | 21.51 | 20.64 | PASS |
| | HCH | 1 | 0 | 22.44 | 21.42 | PASS |
| | | 1 | 12 | 22.53 | 21.38 | PASS |
| | | 1 | 24 | 21.98 | 20.95 | PASS |
| | | 12 | 0 | 21.72 | 20.51 | PASS |
| | | 12 | 6 | 21.72 | 20.51 | PASS |
| | | 12 | 13 | 21.69 | 20.41 | PASS |
| | | 25 | 0 | 21.68 | 20.88 | PASS |

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| Conducted Output Power Test Result (Channel Bandwidth: 10 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 21.78 | 21.21 | PASS |
| | | 1 | 24 | 22.74 | 22.19 | PASS |
| | | 1 | 49 | 22.36 | 21.52 | PASS |
| | | 25 | 0 | 21.18 | 20.10 | PASS |
| | | 25 | 12 | 21.22 | 20.20 | PASS |
| | | 25 | 25 | 21.09 | 20.05 | PASS |
| | | 50 | 0 | 21.13 | 20.06 | PASS |
| | MCH | 1 | 0 | 22.44 | 21.22 | PASS |
| | | 1 | 24 | 23.37 | 21.47 | PASS |
| | | 1 | 49 | 22.54 | 21.21 | PASS |
| | | 25 | 0 | 21.56 | 20.55 | PASS |
| | | 25 | 12 | 21.60 | 20.80 | PASS |
| | | 25 | 25 | 21.56 | 20.69 | PASS |
| | | 50 | 0 | 21.56 | 20.52 | PASS |
| | HCH | 1 | 0 | 22.41 | 22.27 | PASS |
| | | 1 | 24 | 22.50 | 22.18 | PASS |
| | | 1 | 49 | 21.69 | 21.03 | PASS |
| | | 25 | 0 | 21.56 | 20.51 | PASS |
| | | 25 | 12 | 21.55 | 20.53 | PASS |
| | | 25 | 25 | 21.63 | 20.54 | PASS |
| | | 50 | 0 | 21.57 | 20.54 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 15 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 21.44 | 20.74 | PASS |
| | | 1 | 37 | 22.76 | 22.37 | PASS |
| | | 1 | 74 | 22.09 | 21.97 | PASS |
| | | 37 | 0 | 21.11 | 20.15 | PASS |
| | | 37 | 18 | 21.12 | 20.07 | PASS |
| | | 37 | 38 | 21.02 | 20.02 | PASS |
| | | 75 | 0 | 21.05 | 20.01 | PASS |
| | MCH | 1 | 0 | 22.19 | 21.54 | PASS |
| | | 1 | 37 | 23.24 | 22.73 | PASS |
| | | 1 | 74 | 22.36 | 21.82 | PASS |
| | | 37 | 0 | 21.62 | 20.71 | PASS |
| | | 37 | 18 | 21.66 | 20.74 | PASS |
| | | 37 | 38 | 21.56 | 20.62 | PASS |
| | | 75 | 0 | 21.50 | 20.50 | PASS |
| | HCH | 1 | 0 | 22.40 | 21.18 | PASS |
| | | 1 | 37 | 22.57 | 21.52 | PASS |
| | | 1 | 74 | 21.43 | 20.76 | PASS |
| | | 37 | 0 | 21.36 | 20.37 | PASS |
| | | 37 | 18 | 21.44 | 20.48 | PASS |
| | | 37 | 38 | 21.50 | 20.50 | PASS |
| | | 75 | 0 | 21.44 | 20.42 | PASS |

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| Conducted Output Power Test Result (Channel Bandwidth: 20 MHz) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Average Power [dBm] | Average Power [dBm] | Verdict |
| | | Size | Offset | QPSK | 16QAM | |
| QPSK / 16QAM | LCH | 1 | 0 | 21.34 | 20.46 | PASS |
| | | 1 | 49 | 22.96 | 21.08 | PASS |
| | | 1 | 99 | 22.10 | 20.56 | PASS |
| | | 50 | 0 | 21.06 | 19.99 | PASS |
| | | 50 | 25 | 21.08 | 20.14 | PASS |
| | | 50 | 50 | 21.04 | 20.15 | PASS |
| | | 100 | 0 | 21.18 | 20.10 | PASS |
| | MCH | 1 | 0 | 22.33 | 21.19 | PASS |
| | | 1 | 49 | 22.80 | 21.45 | PASS |
| | | 1 | 99 | 22.53 | 20.97 | PASS |
| | | 50 | 0 | 21.57 | 20.54 | PASS |
| | | 50 | 25 | 21.56 | 20.63 | PASS |
| | | 50 | 50 | 21.43 | 20.52 | PASS |
| | | 100 | 0 | 21.50 | 20.45 | PASS |
| | HCH | 1 | 0 | 22.27 | 20.72 | PASS |
| | | 1 | 49 | 22.82 | 21.37 | PASS |
| | | 1 | 99 | 21.37 | 20.78 | PASS |
| | | 50 | 0 | 21.39 | 20.45 | PASS |
| | | 50 | 25 | 21.40 | 20.57 | PASS |
| | | 50 | 50 | 21.46 | 20.39 | PASS |
| | | 100 | 0 | 21.47 | 20.43 | PASS |

## F.2 Peak-to-Average Ratio

| Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.04 | <13 | PASS |
| | MCH | 5.05 | <13 | PASS |
| | HCH | 4.93 | <13 | PASS |
| 16QAM | LCH | 5.98 | <13 | PASS |
| | MCH | 5.92 | <13 | PASS |
| | HCH | 5.8 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.15 | <13 | PASS |
| | MCH | 5.14 | <13 | PASS |
| | HCH | 5.02 | <13 | PASS |
| 16QAM | LCH | 6.06 | <13 | PASS |
| | MCH | 5.93 | <13 | PASS |
| | HCH | 5.84 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.12 | <13 | PASS |
| | MCH | 5.07 | <13 | PASS |
| | HCH | 5.02 | <13 | PASS |
| 16QAM | LCH | 5.89 | <13 | PASS |
| | MCH | 5.9 | <13 | PASS |
| | HCH | 5.83 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.17 | <13 | PASS |
| | MCH | 5.16 | <13 | PASS |
| | HCH | 5.11 | <13 | PASS |
| 16QAM | LCH | 5.93 | <13 | PASS |
| | MCH | 5.93 | <13 | PASS |
| | HCH | 5.92 | <13 | PASS |

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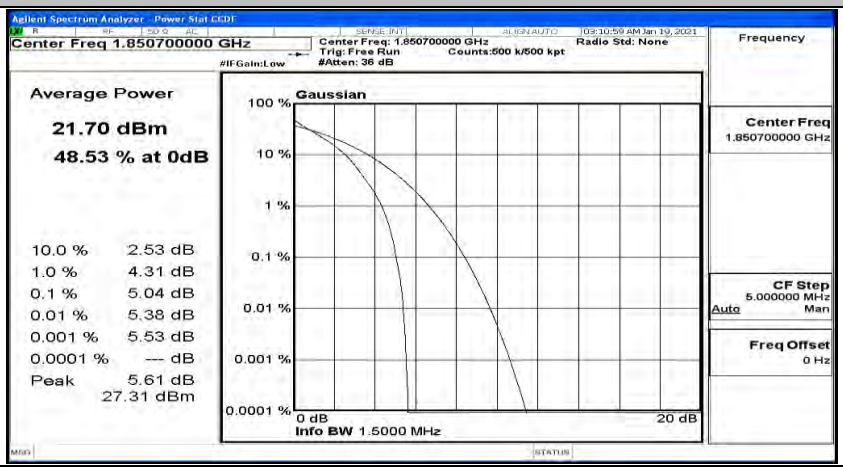
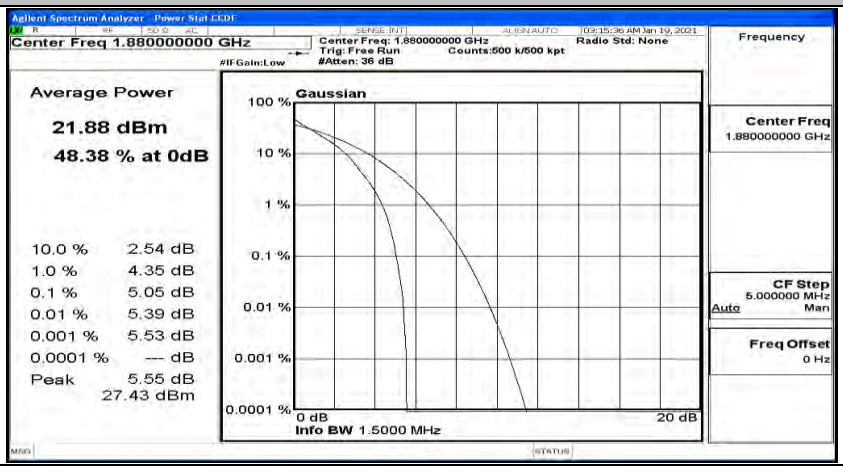
| Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 4.98 | <13 | PASS |
| | MCH | 4.9 | <13 | PASS |
| | HCH | 4.86 | <13 | PASS |
| 16QAM | LCH | 6.2 | <13 | PASS |
| | MCH | 6.19 | <13 | PASS |
| | HCH | 6.11 | <13 | PASS |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| QPSK | LCH | 5.69 | <13 | PASS |
| | MCH | 5.71 | <13 | PASS |
| | HCH | 5.65 | <13 | PASS |
| 16QAM | LCH | 6.76 | <13 | PASS |
| | MCH | 6.64 | <13 | PASS |
| | HCH | 6.64 | <13 | PASS |

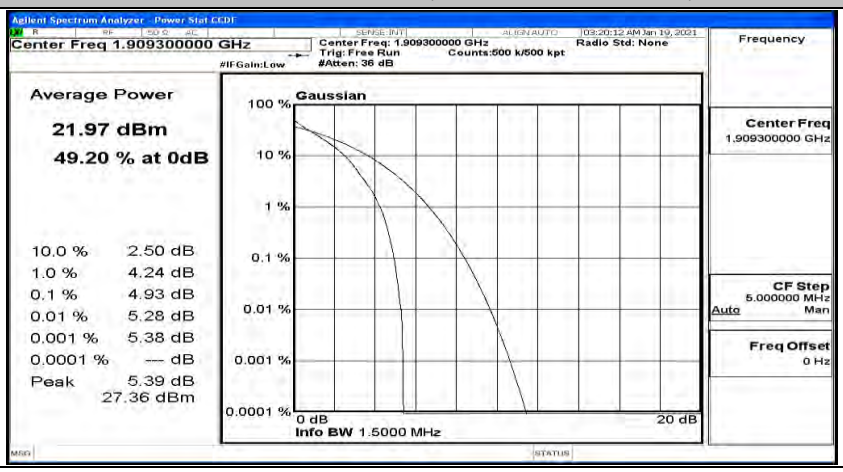
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



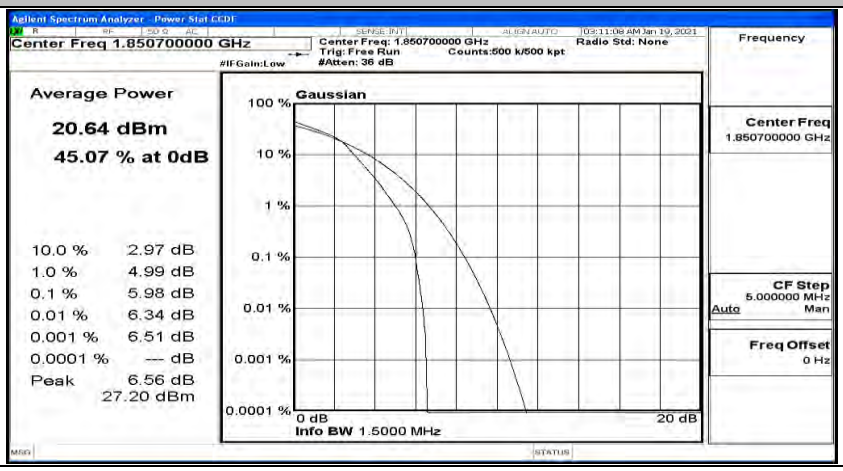

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



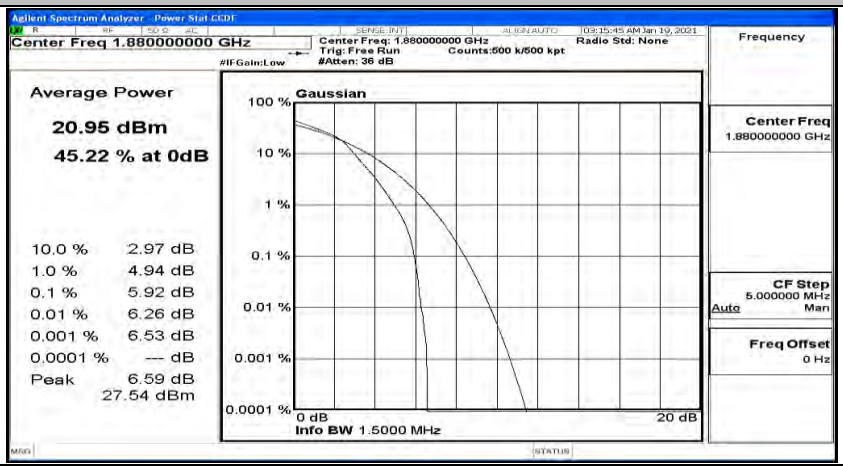

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



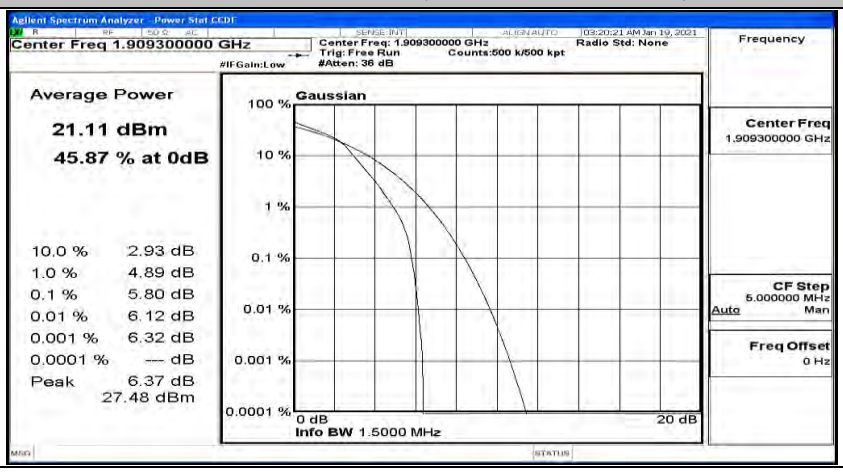
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



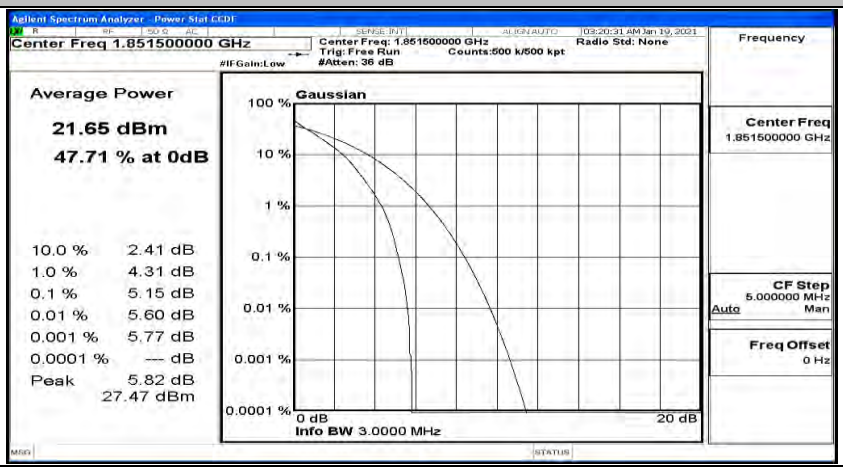

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



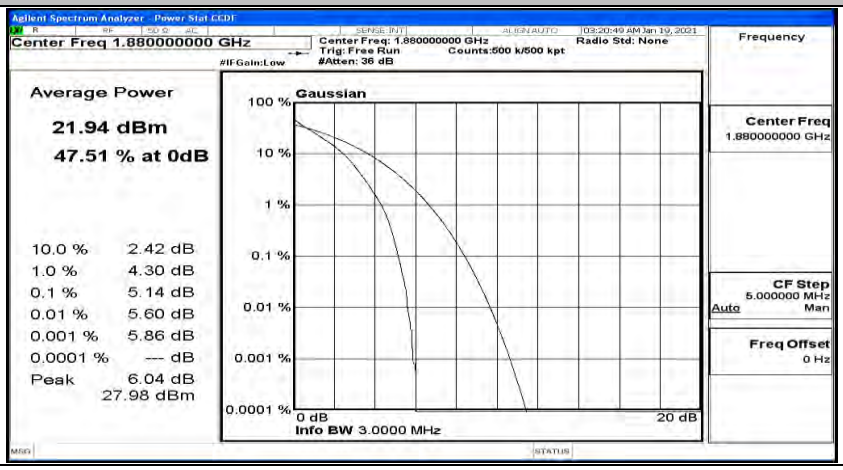

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



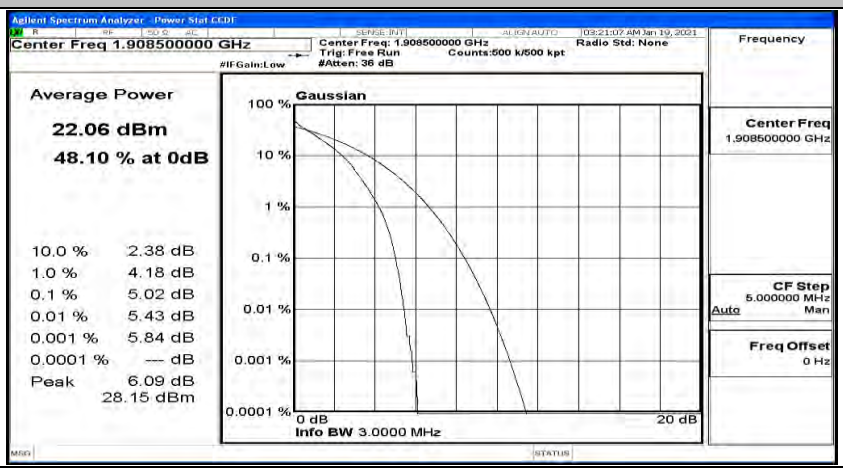
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



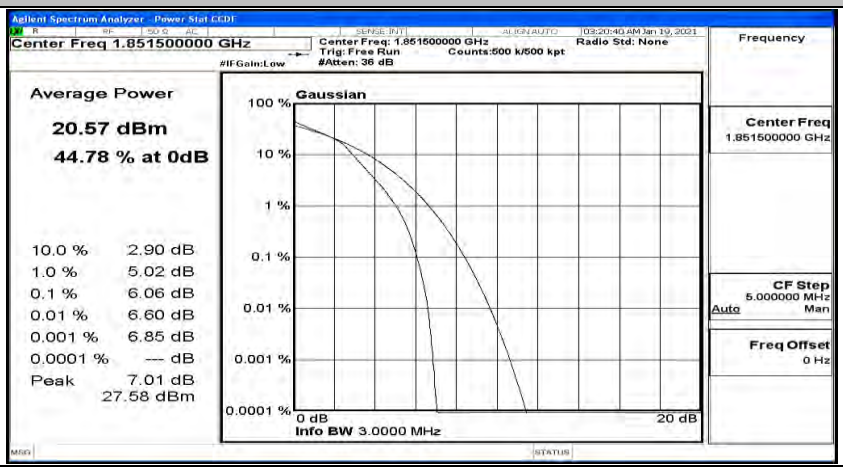

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



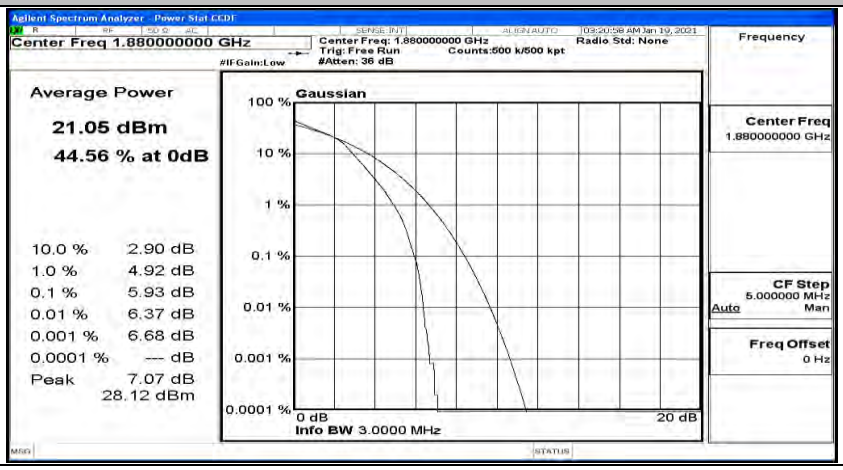

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



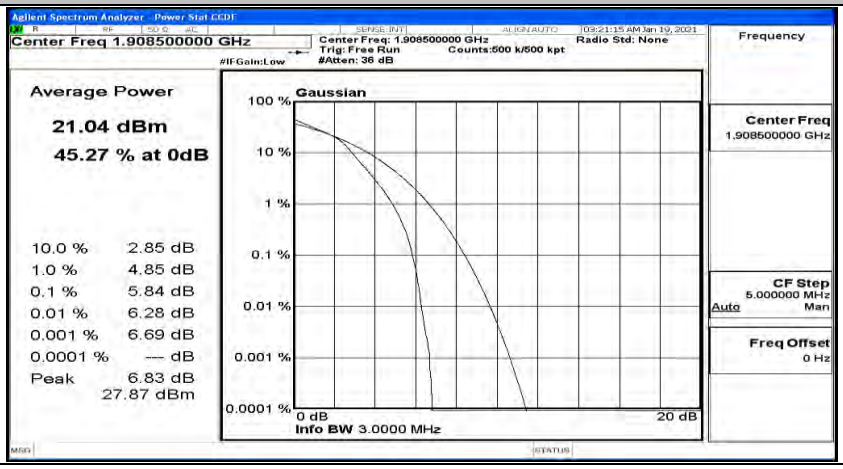
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



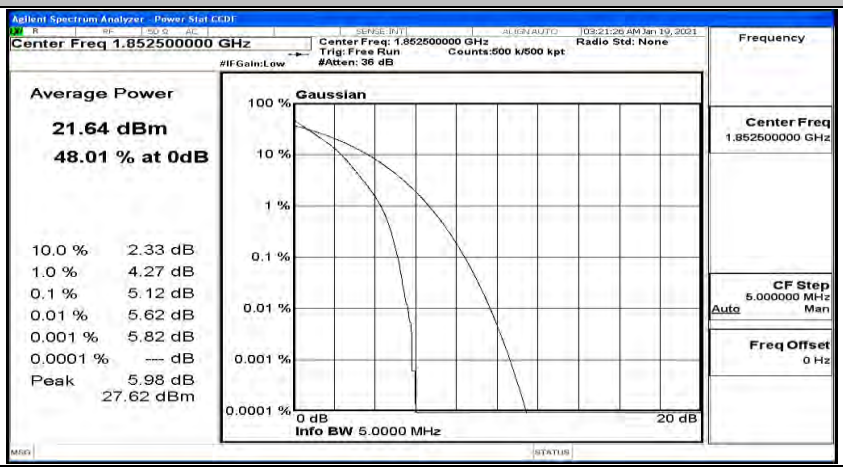

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



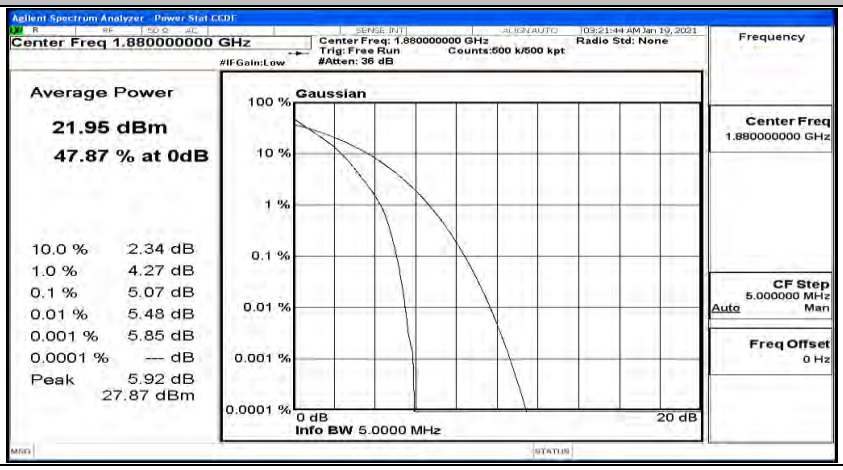

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



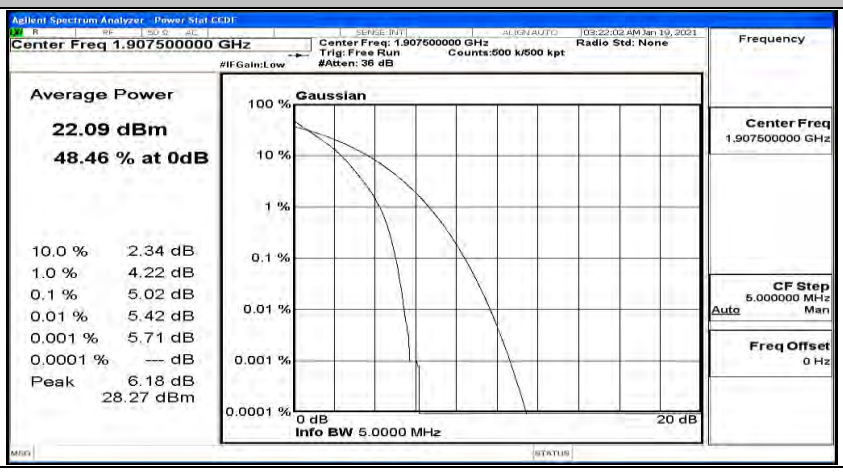
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



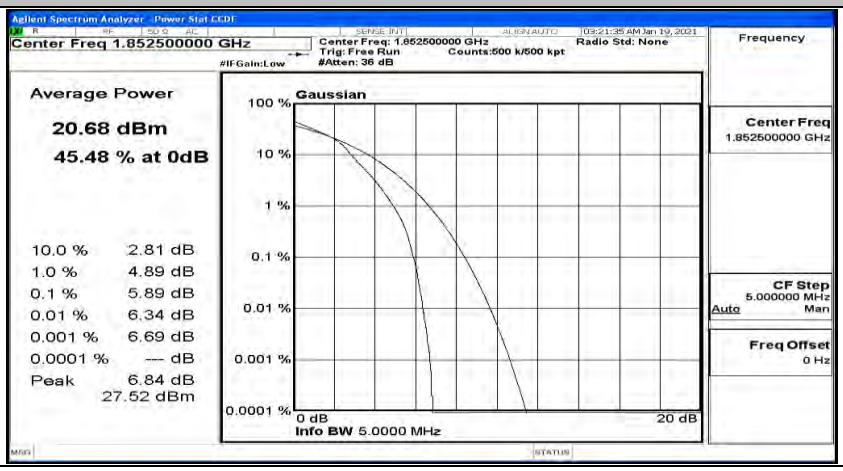

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



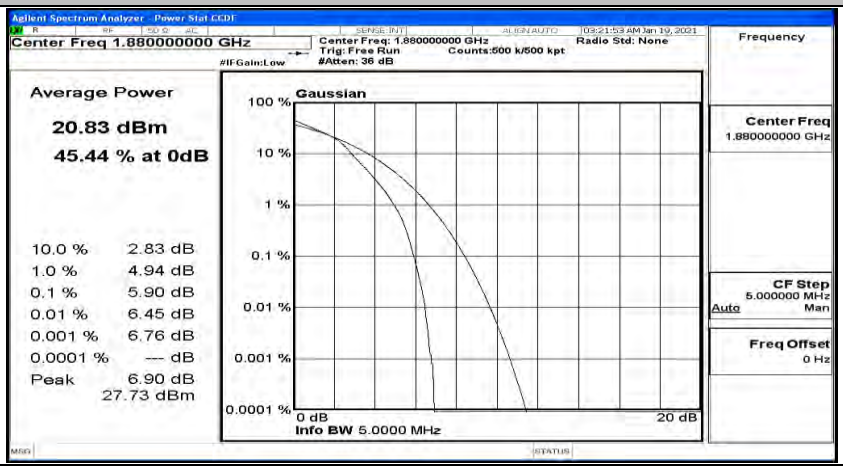

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



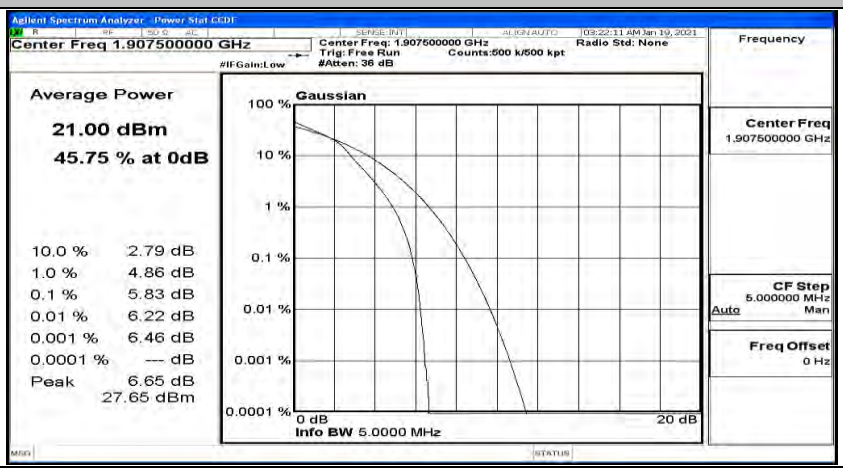
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



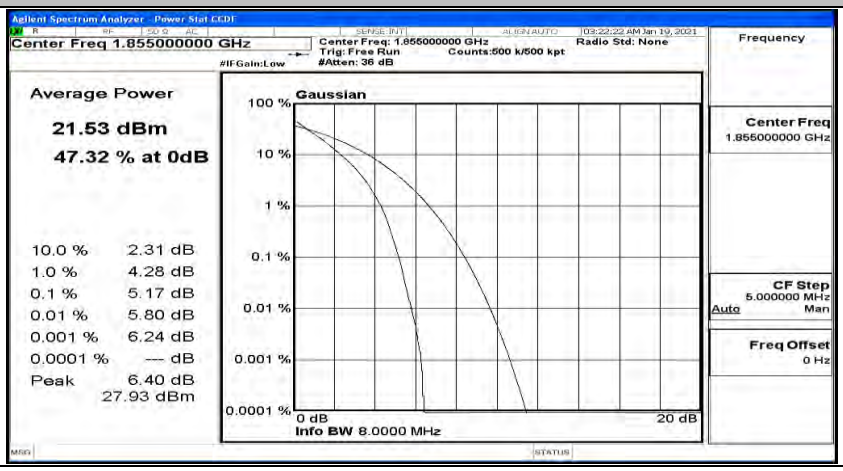

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



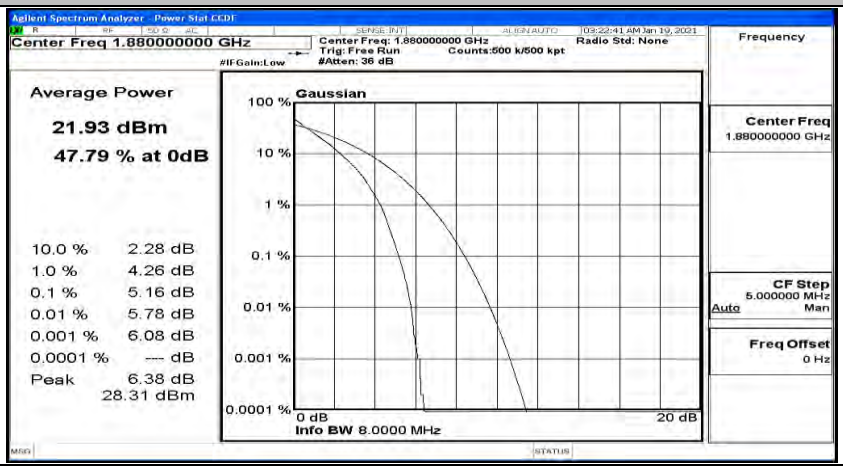

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



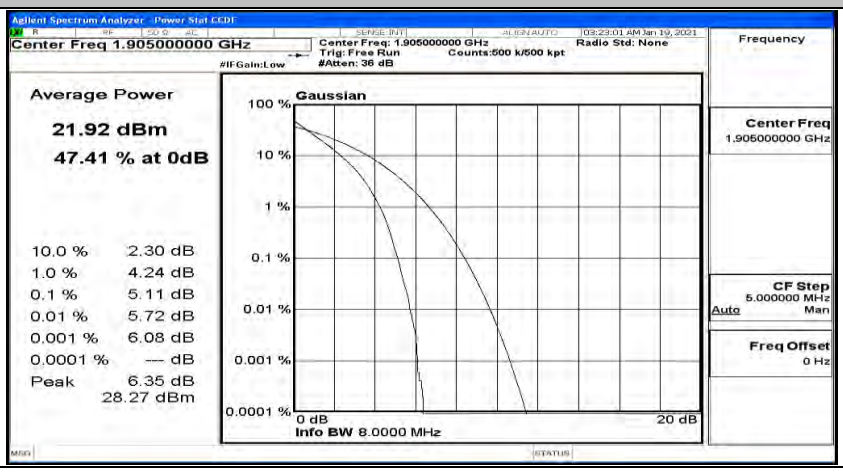
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



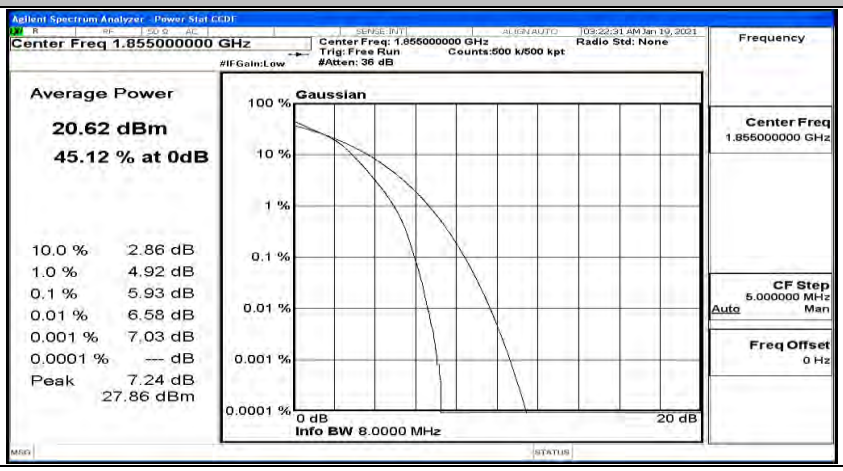

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



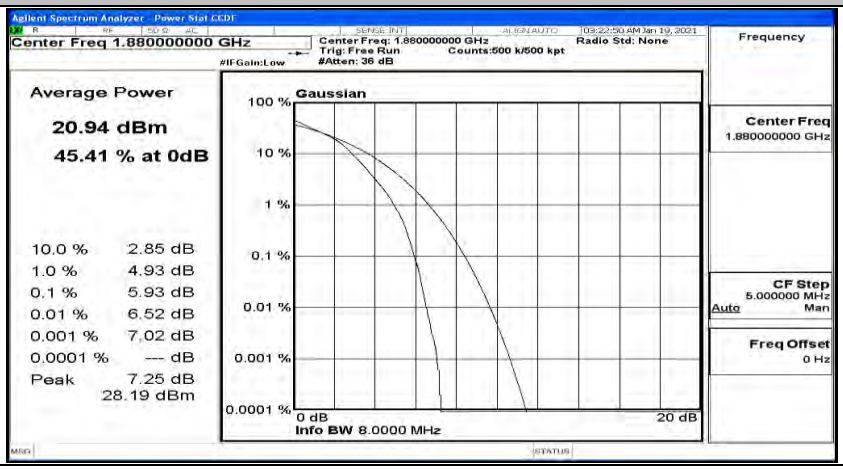

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



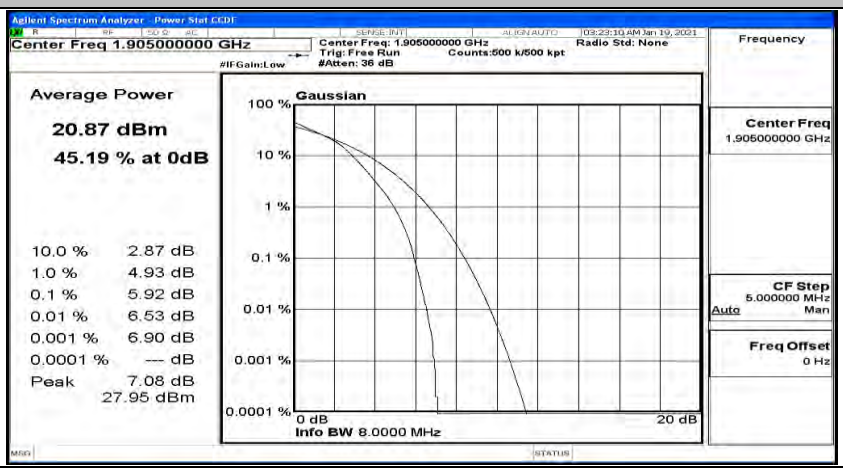
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



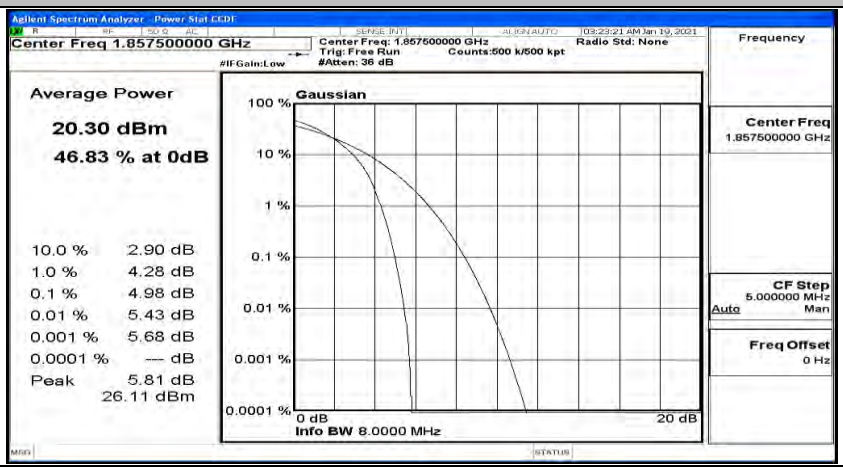

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



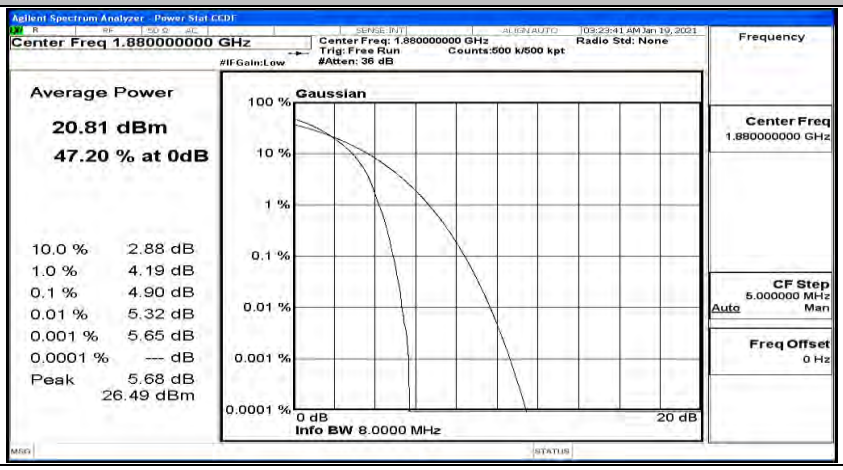

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



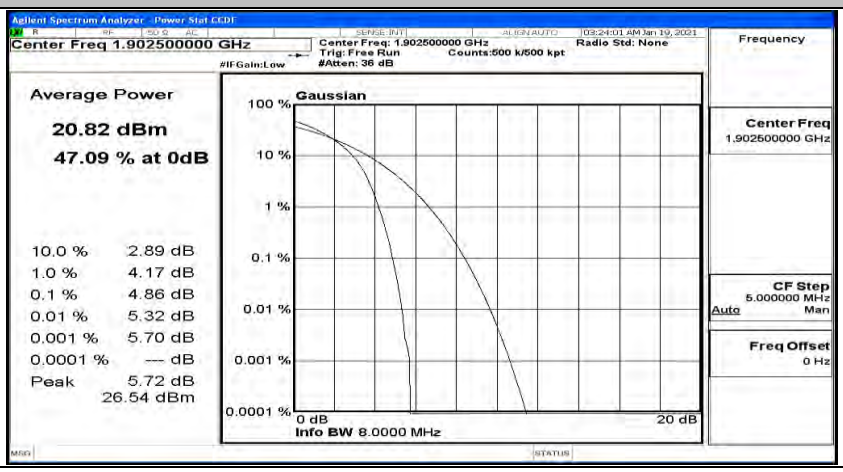
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



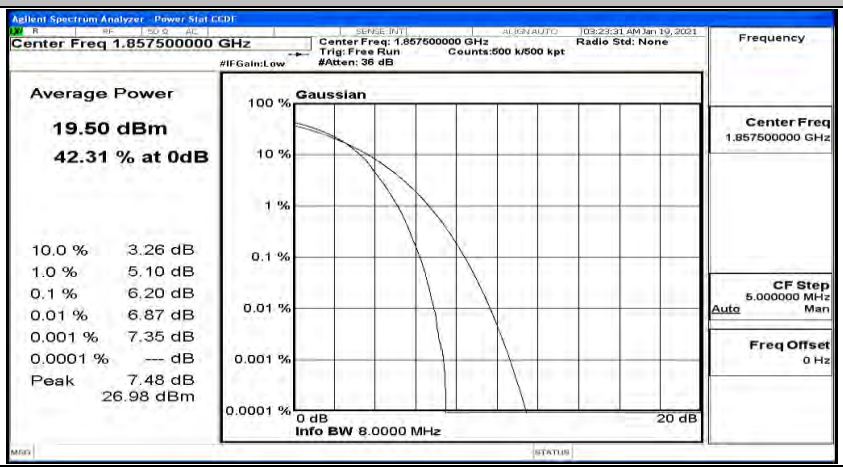

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



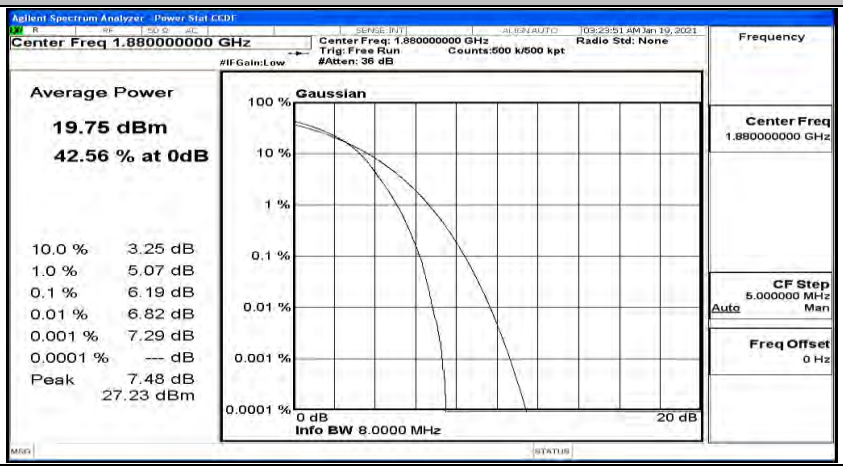

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



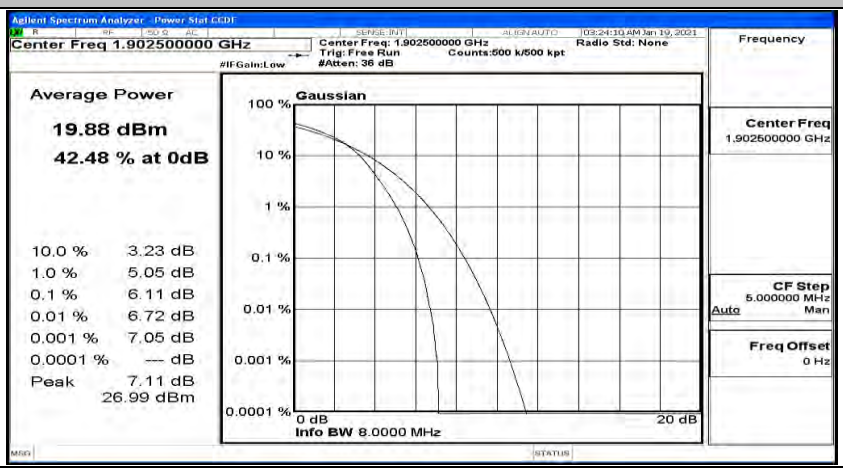
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



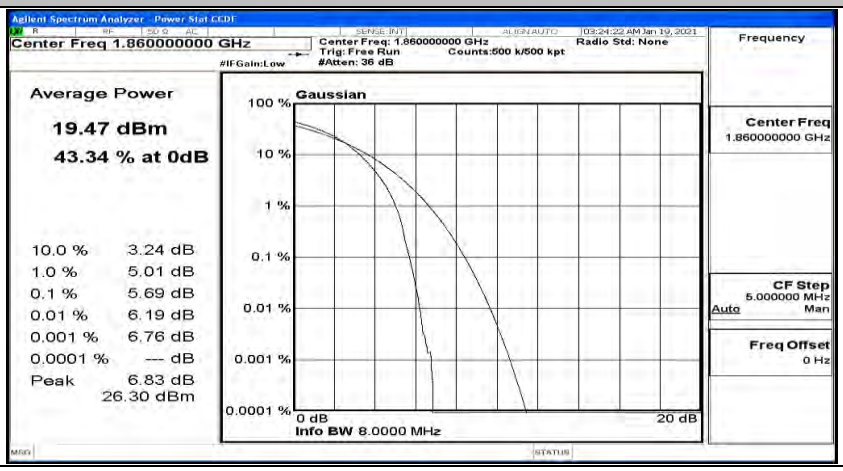

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



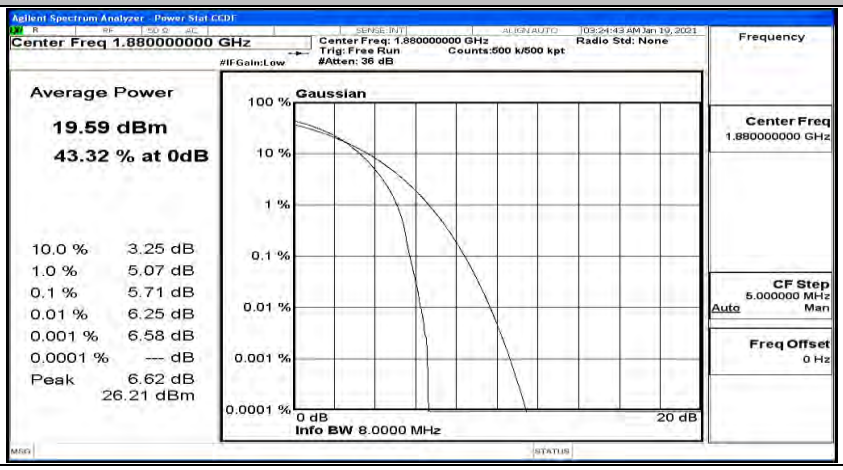

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



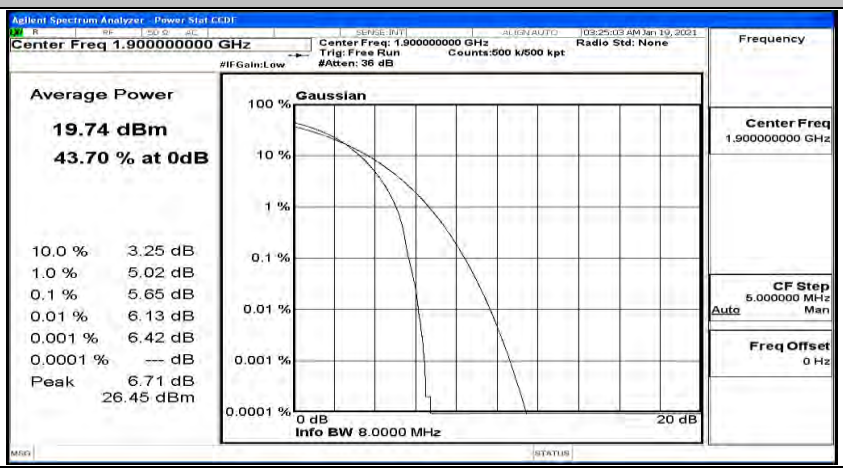
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



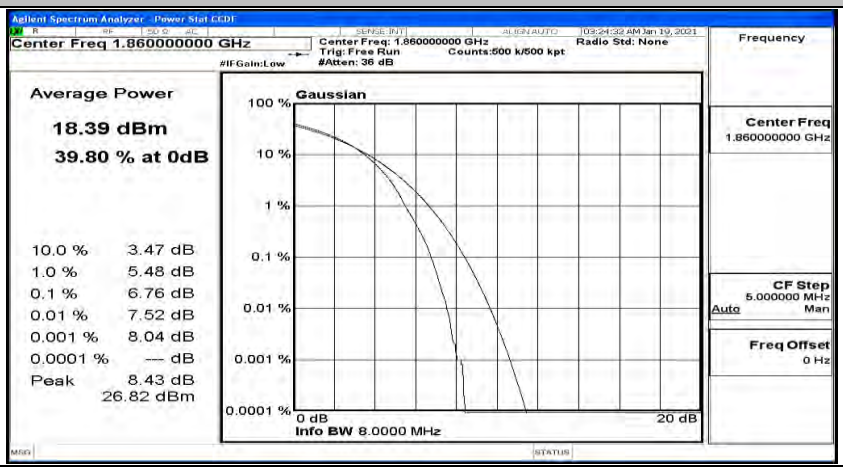

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



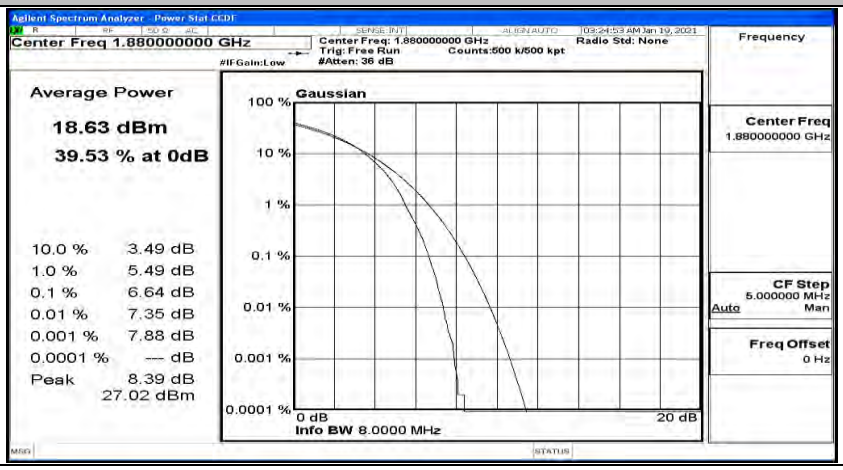

Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



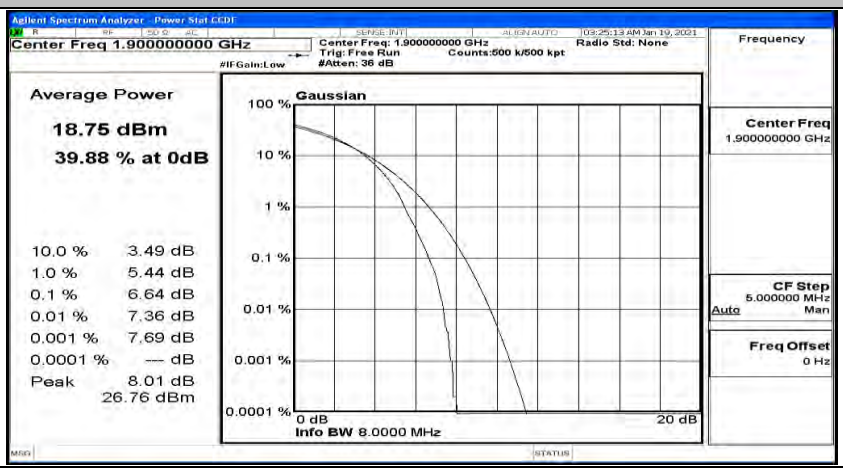
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM




Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM




Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM



## F.3 26dB Bandwidth and Occupied Bandwidth

| EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 1.0790 | 1.247 | PASS |
| | MCH | 1.0781 | 1.255 | PASS |
| | HCH | 1.0777 | 1.237 | PASS |
| 16QAM | LCH | 1.0794 | 1.247 | PASS |
| | MCH | 1.0784 | 1.232 | PASS |
| | HCH | 1.0804 | 1.238 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 3 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 2.6811 | 2.889 | PASS |
| | MCH | 2.6857 | 2.892 | PASS |
| | HCH | 2.6768 | 2.888 | PASS |
| 16QAM | LCH | 2.6823 | 2.916 | PASS |
| | MCH | 2.6873 | 2.880 | PASS |
| | HCH | 2.6846 | 2.906 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 5 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 4.4681 | 4.797 | PASS |
| | MCH | 4.4719 | 4.795 | PASS |
| | HCH | 4.4633 | 4.815 | PASS |
| 16QAM | LCH | 4.4806 | 4.778 | PASS |
| | MCH | 4.4680 | 4.764 | PASS |
| | HCH | 4.4683 | 4.783 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 10 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 8.9297 | 9.500 | PASS |
| | MCH | 8.9263 | 9.435 | PASS |
| | HCH | 8.9195 | 9.453 | PASS |
| 16QAM | LCH | 8.9288 | 9.416 | PASS |
| | MCH | 8.9311 | 9.479 | PASS |
| | HCH | 8.9075 | 9.452 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 15 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 13.368 | 13.94 | PASS |
| | MCH | 13.355 | 13.96 | PASS |
| | HCH | 13.358 | 13.97 | PASS |
| 16QAM | LCH | 13.364 | 14.00 | PASS |
| | MCH | 13.363 | 13.98 | PASS |
| | HCH | 13.362 | 14.03 | PASS |

| EBW & OBW Test Result (Channel Bandwidth: 20 MHz) | | | | |
|---|---|---|---|---|
| Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK | LCH | 17.764 | 18.54 | PASS |
| | MCH | 17.855 | 18.61 | PASS |
| | HCH | 17.812 | 18.55 | PASS |
| 16QAM | LCH | 17.784 | 18.53 | PASS |
| | MCH | 17.829 | 18.67 | PASS |
| | HCH | 17.804 | 18.54 | PASS |

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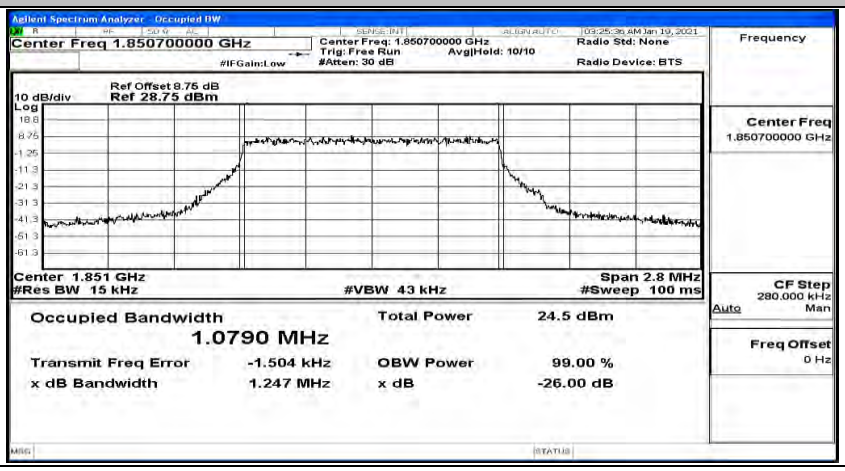
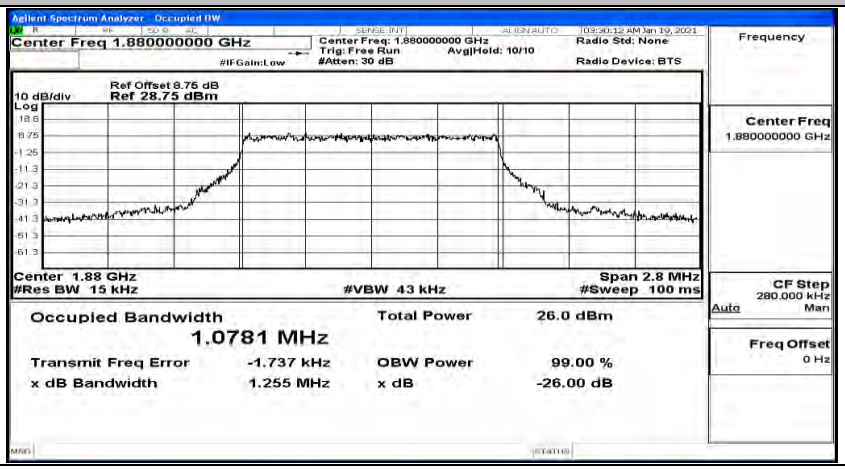
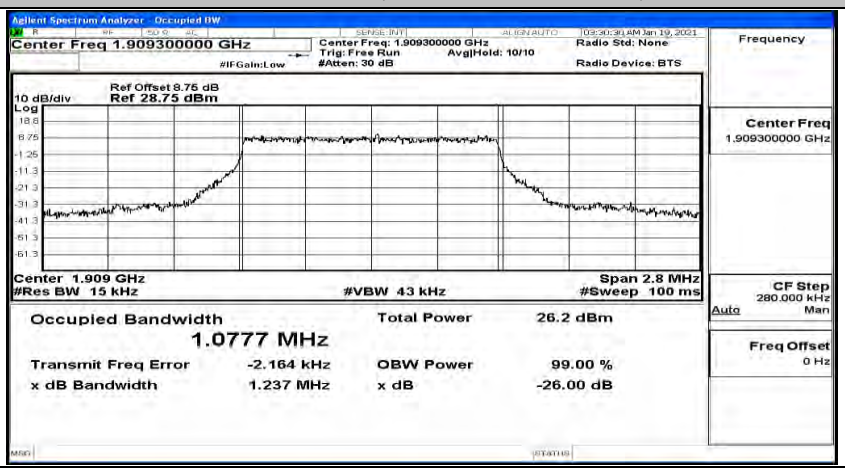
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



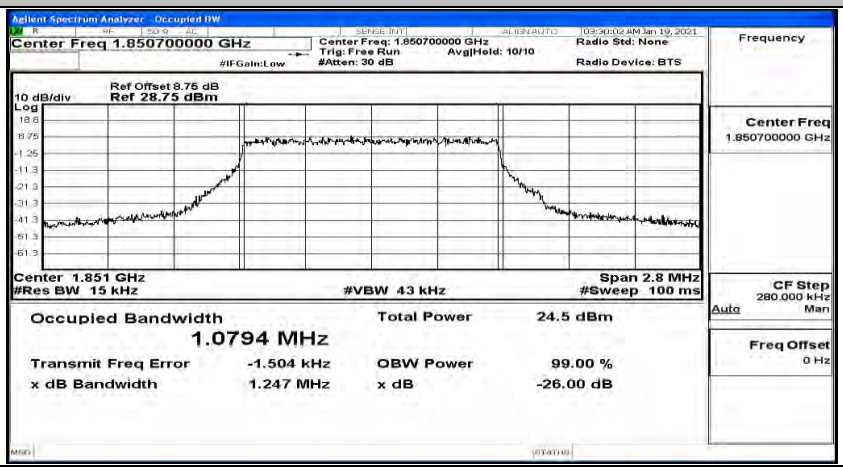

EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



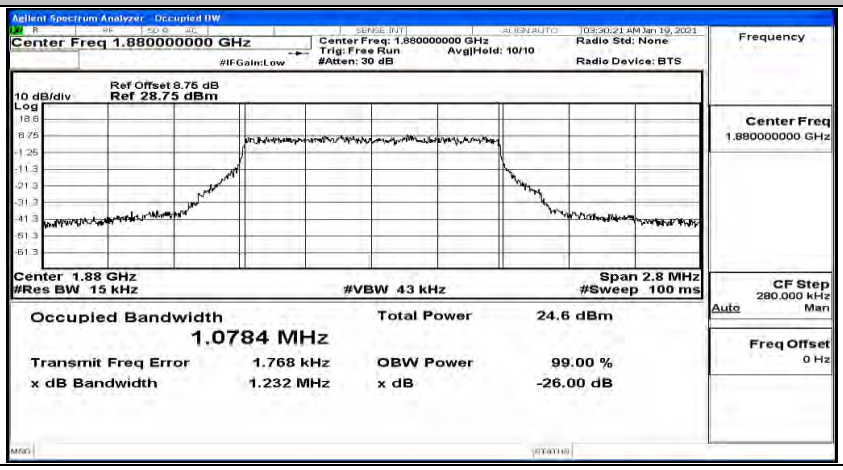

EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



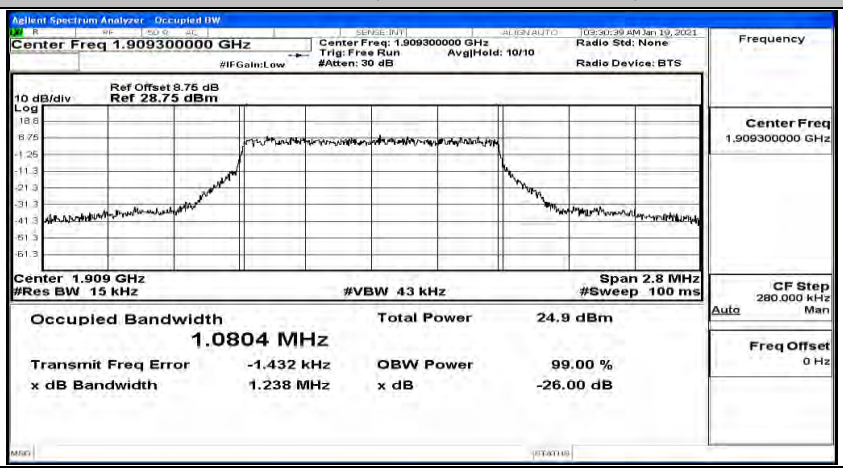
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



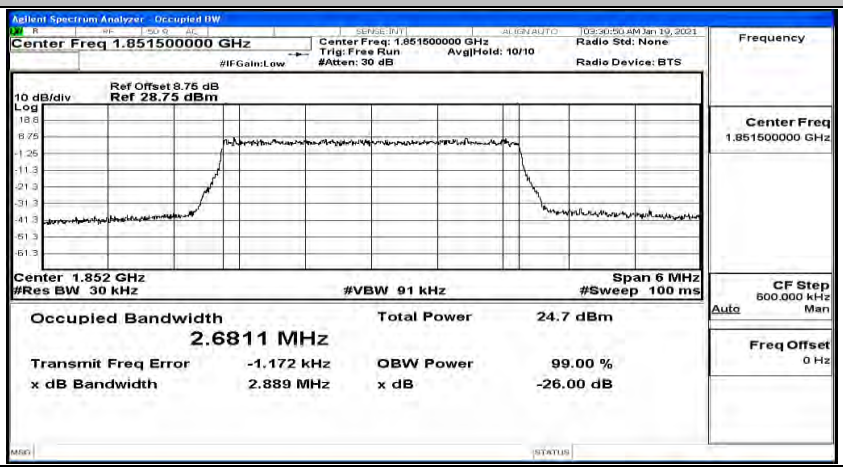

EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



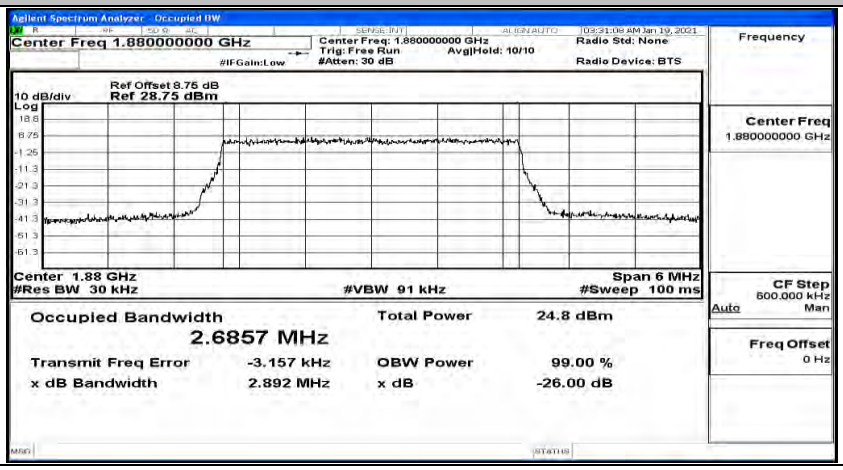

EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



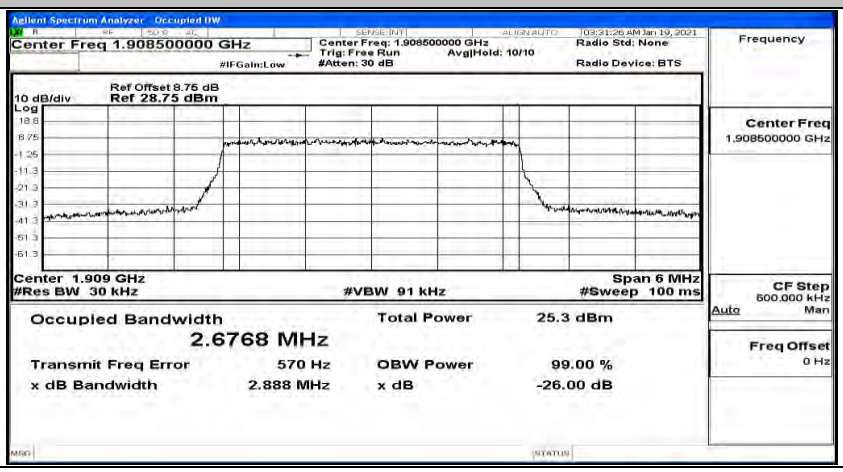
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



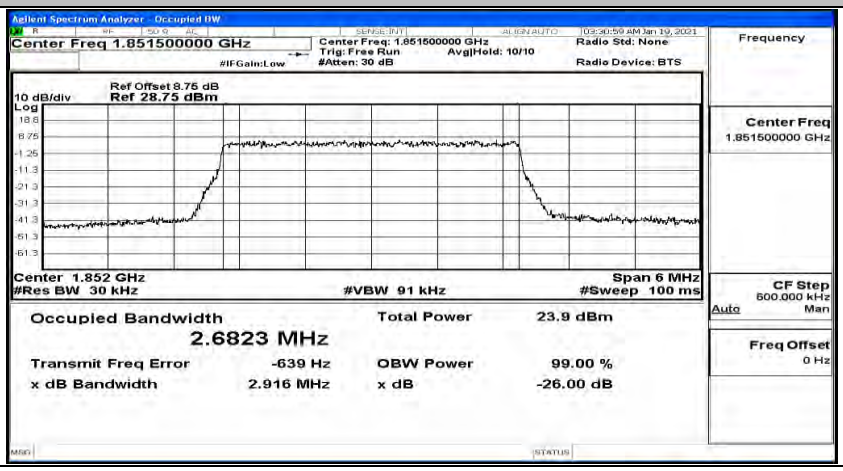

EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



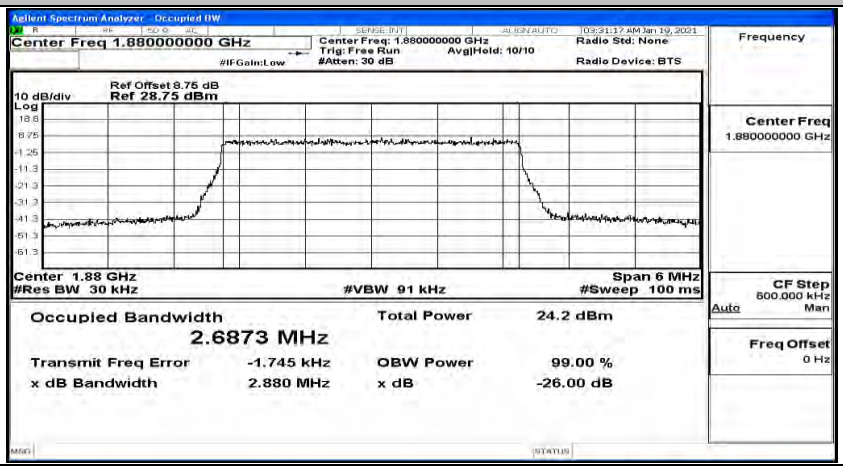

EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



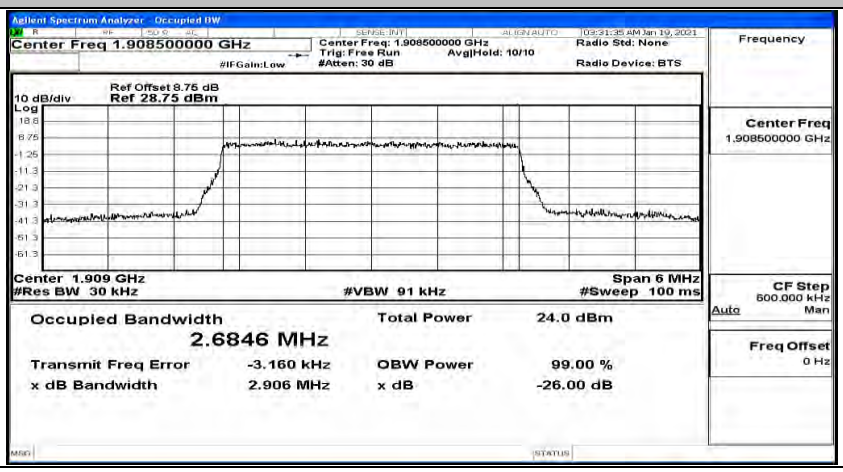
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



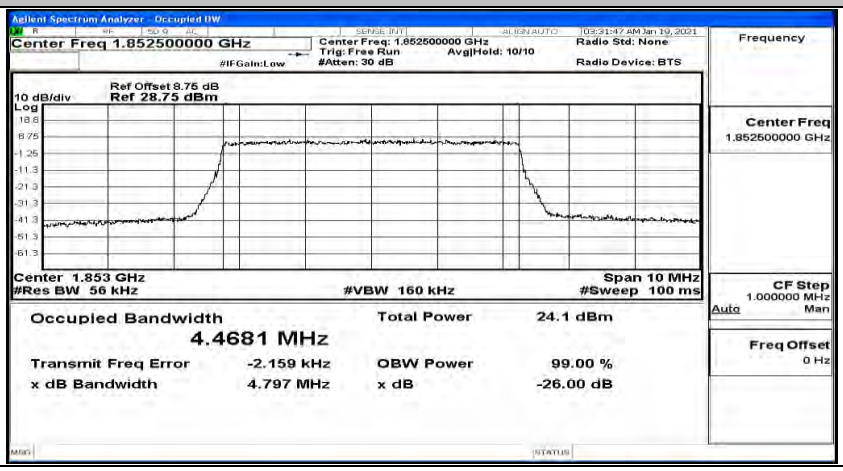

EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



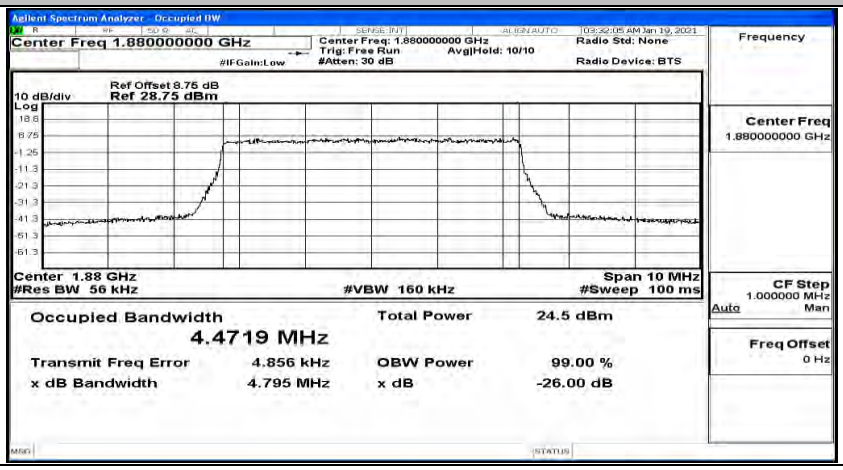

EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



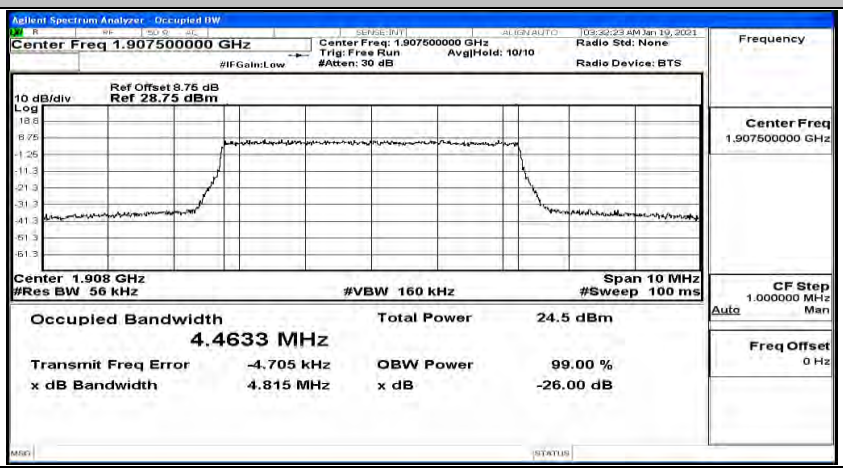
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



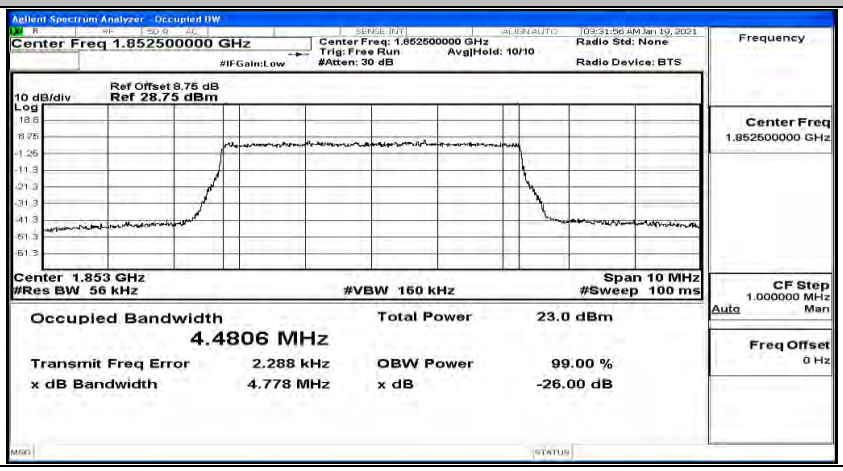

EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



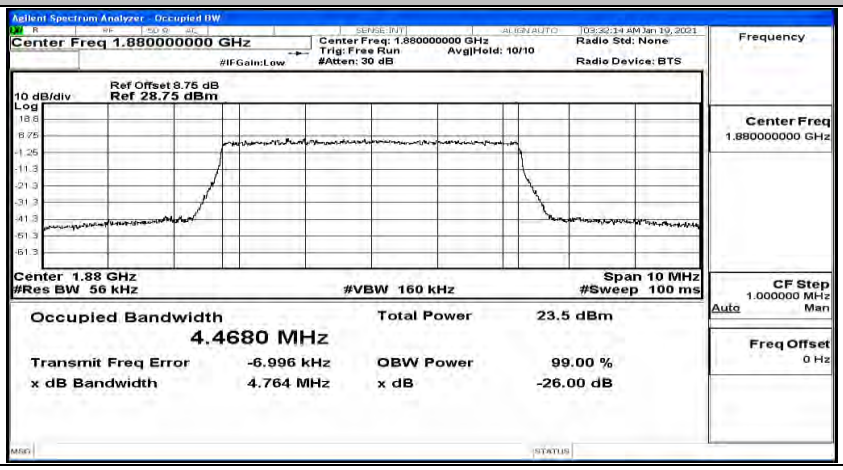

EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



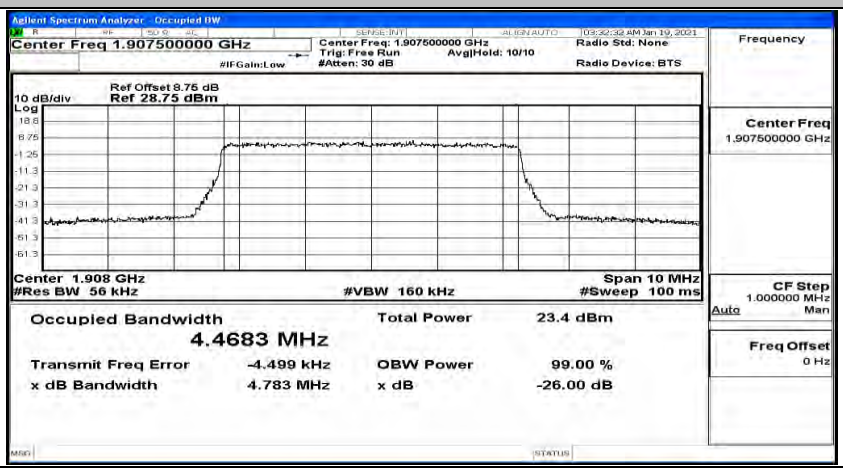
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



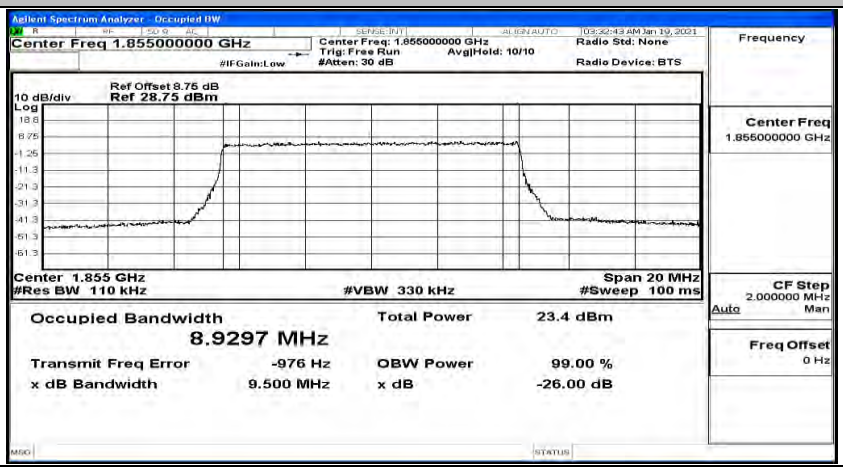

EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



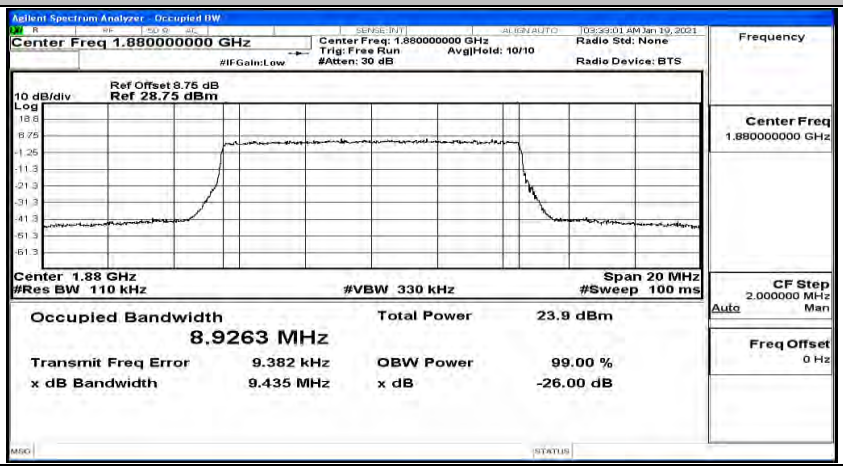

EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



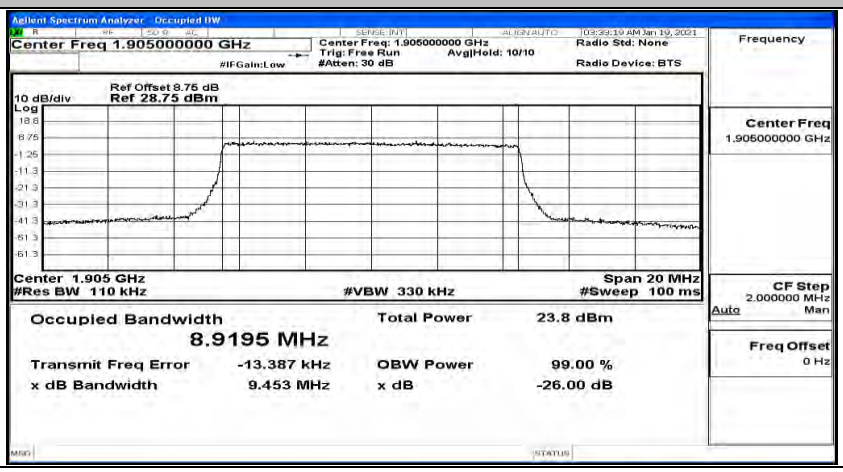
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



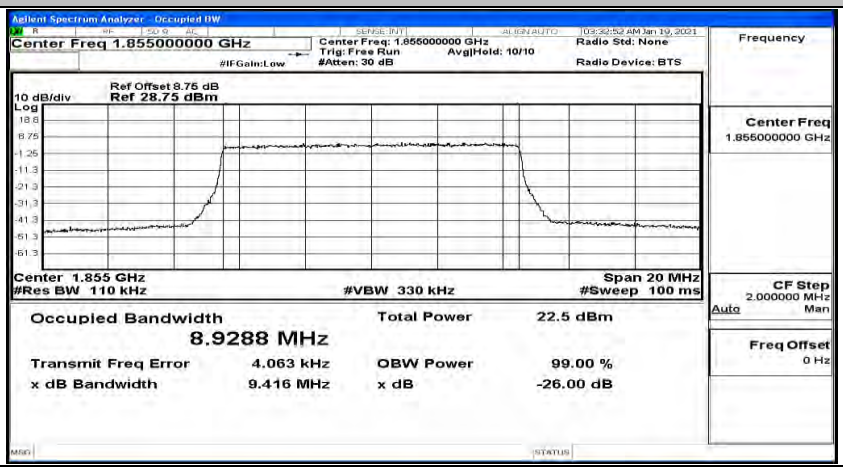

EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



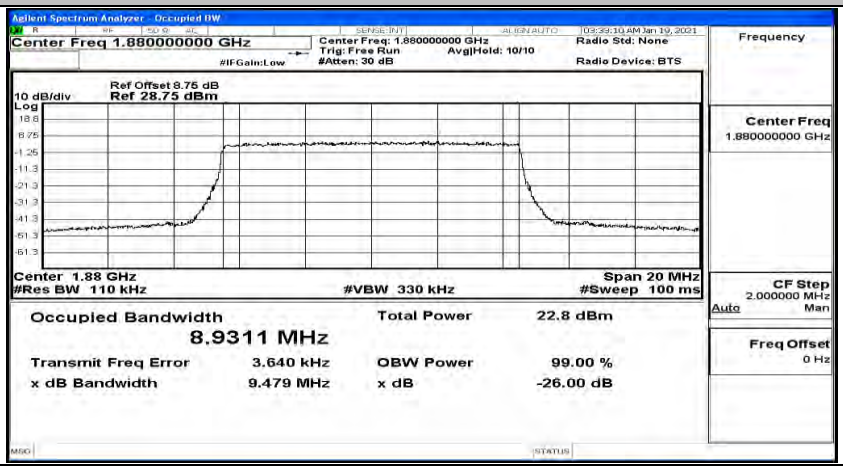

EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



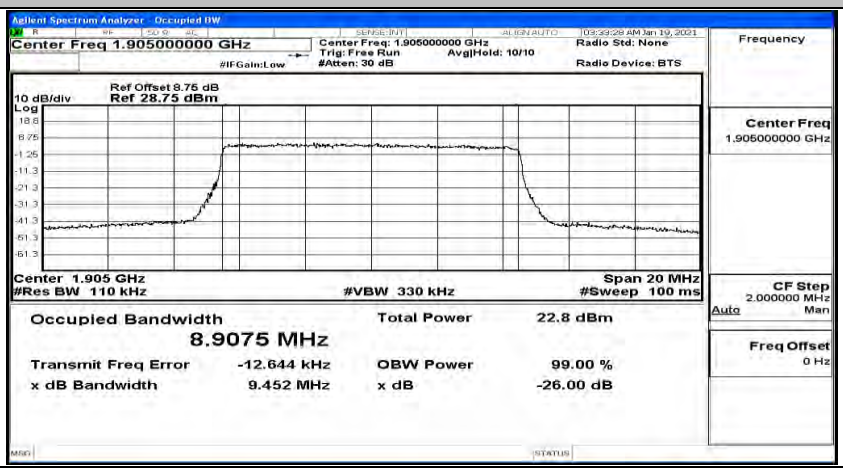
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



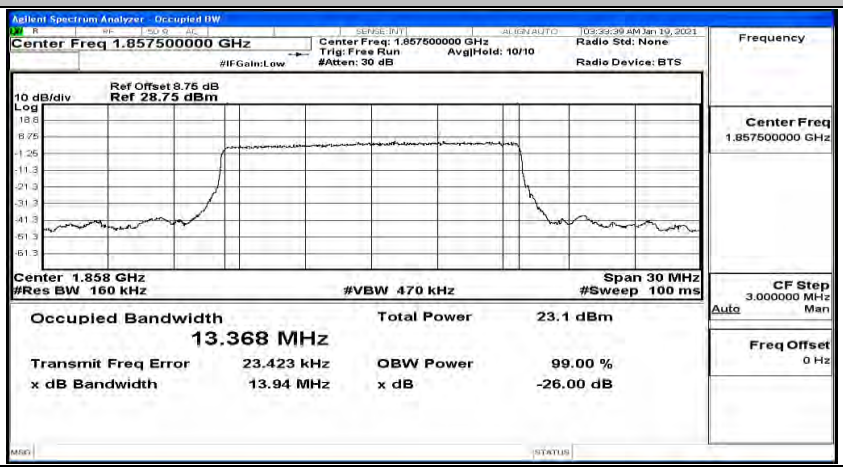

EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



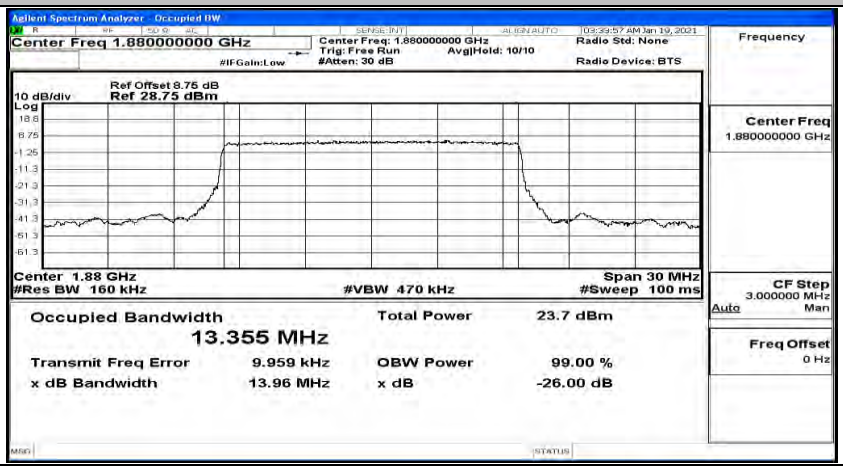

EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



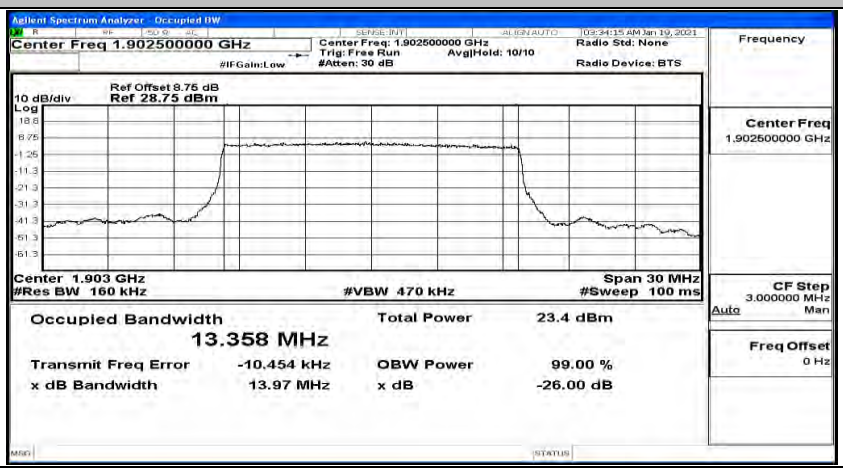
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



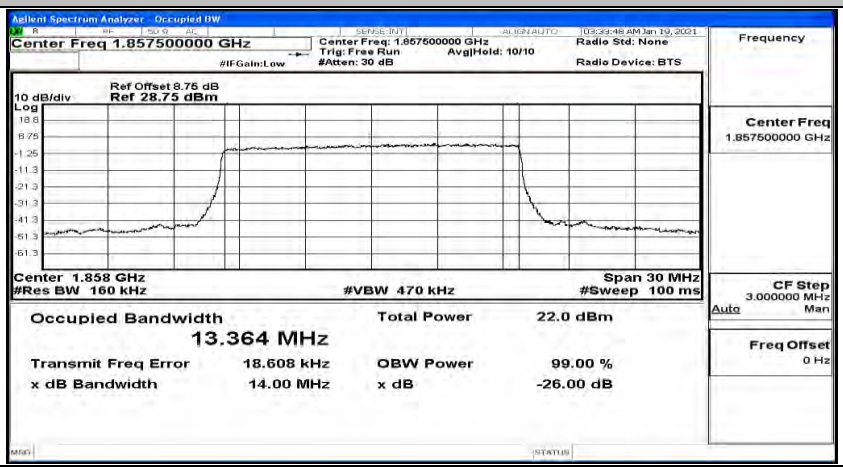

EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



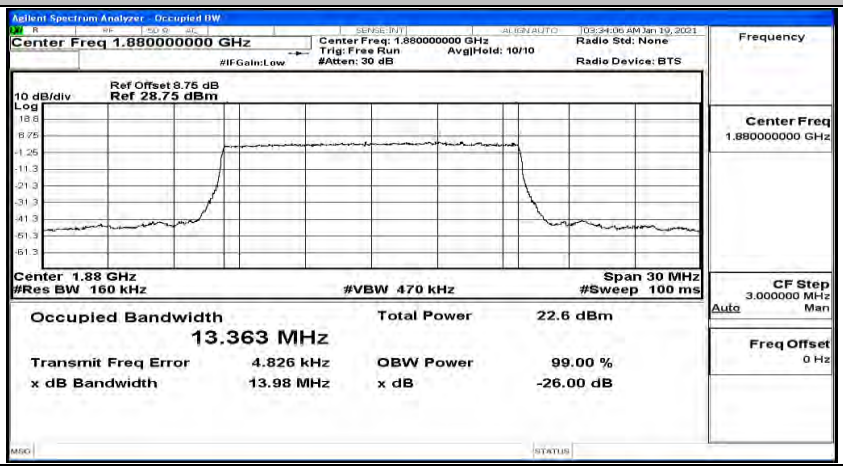

EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



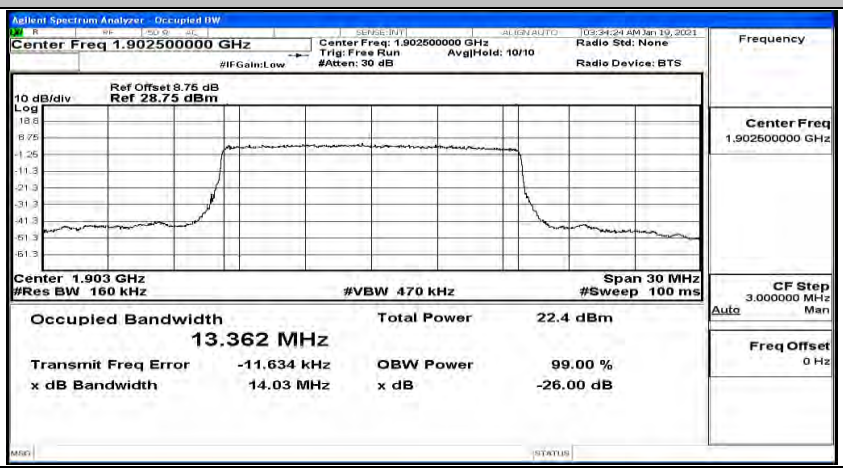
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



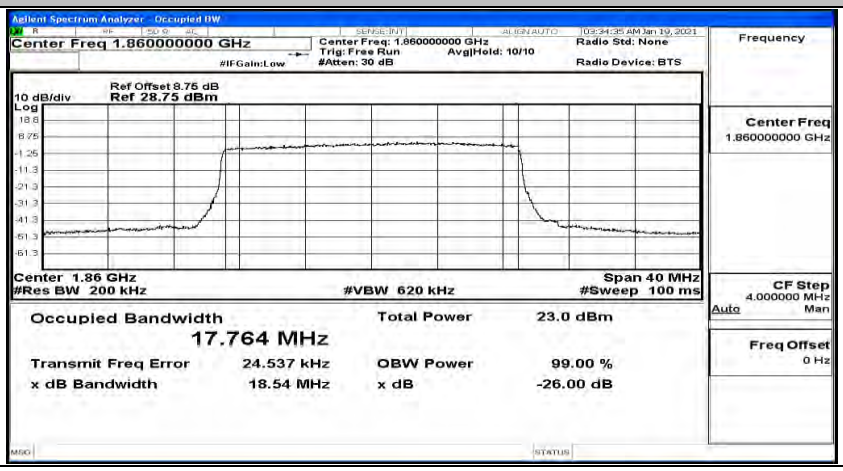

EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



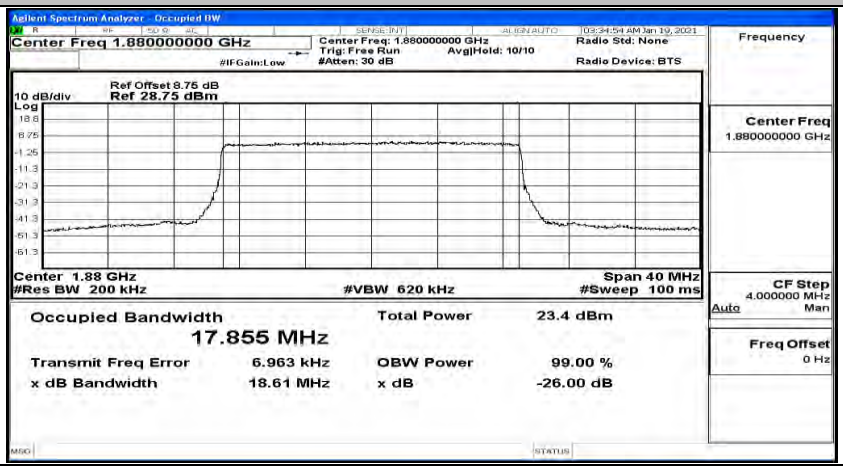

EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



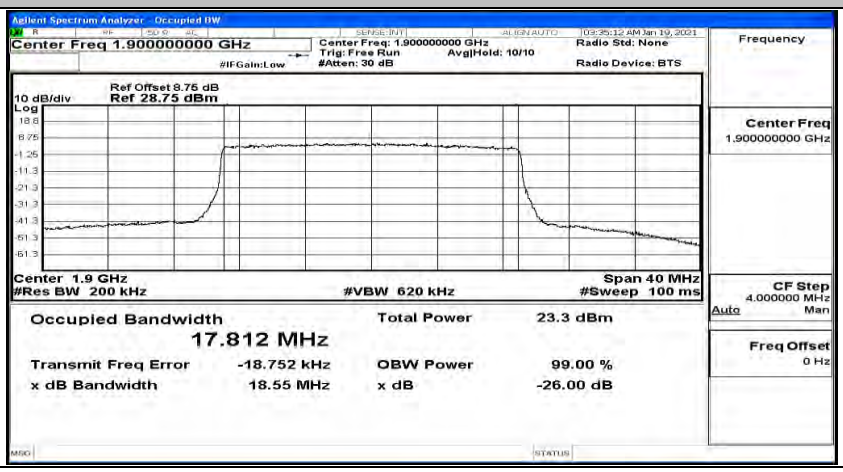
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



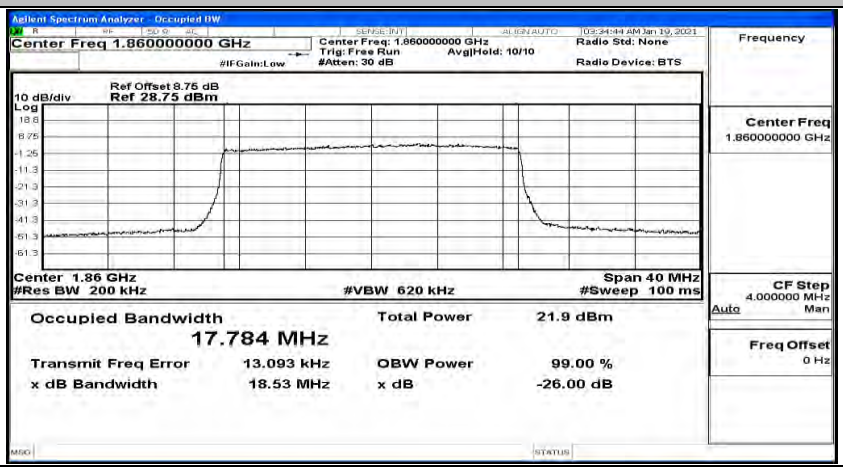

EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



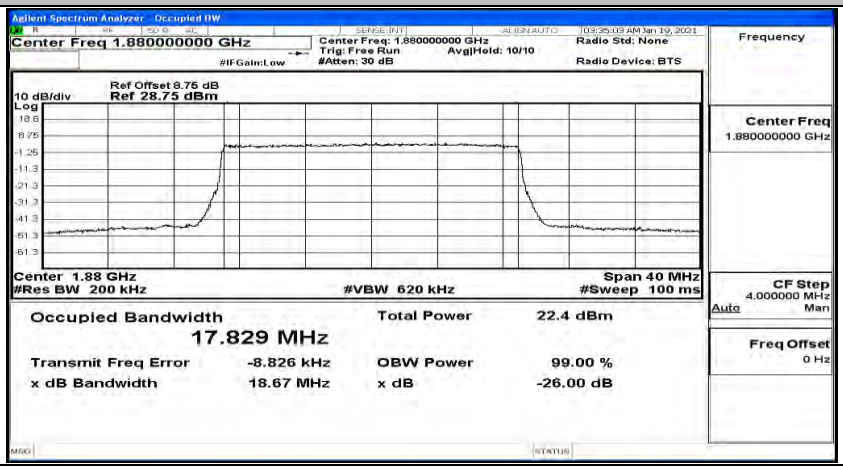

EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



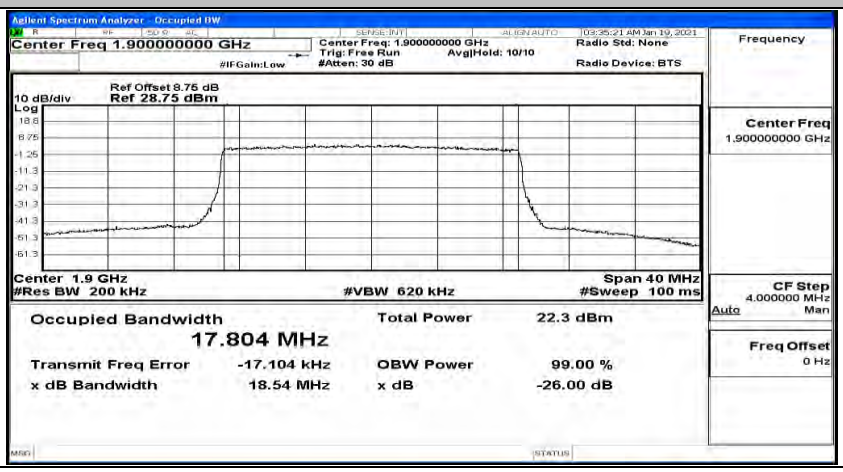
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM




EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM

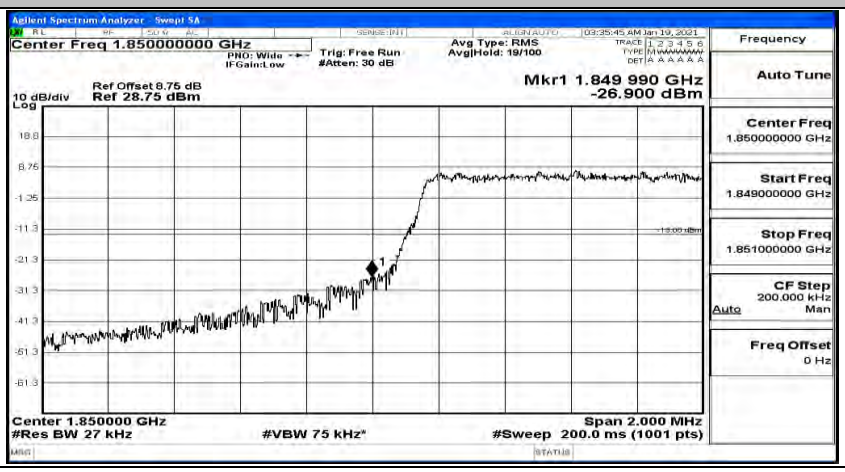



EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

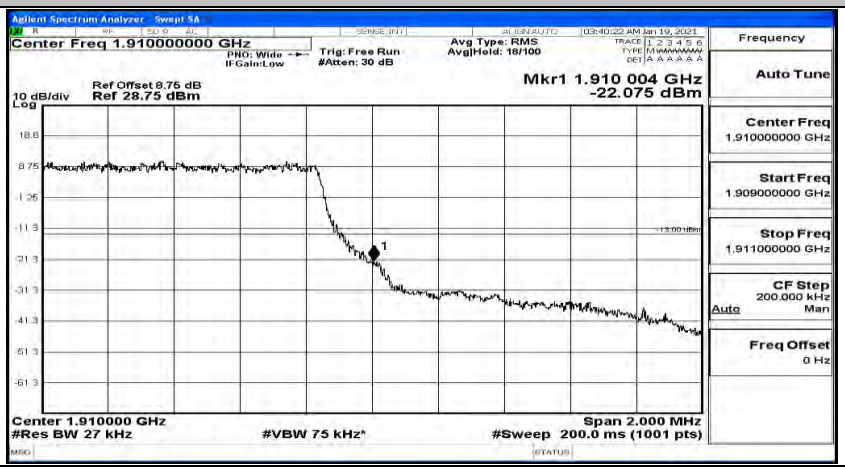


## F.4 Band Edge

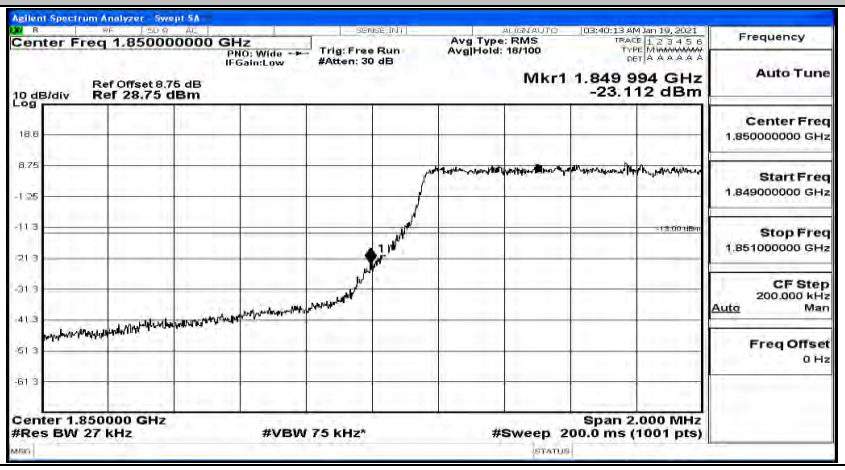
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



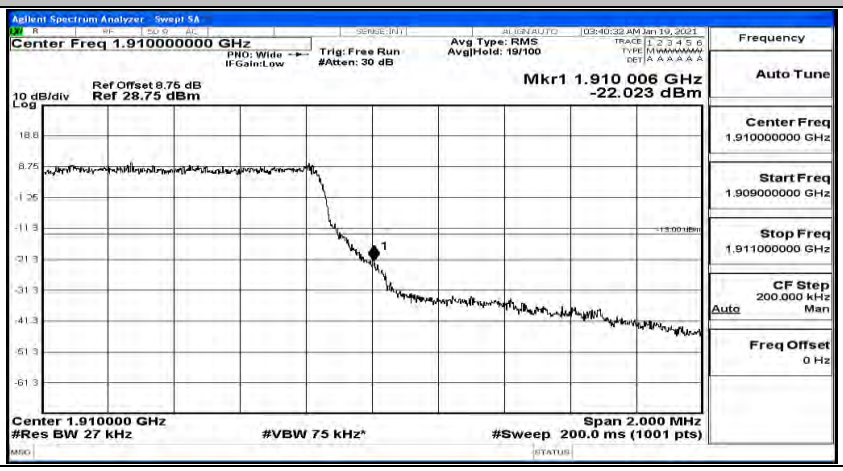

Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



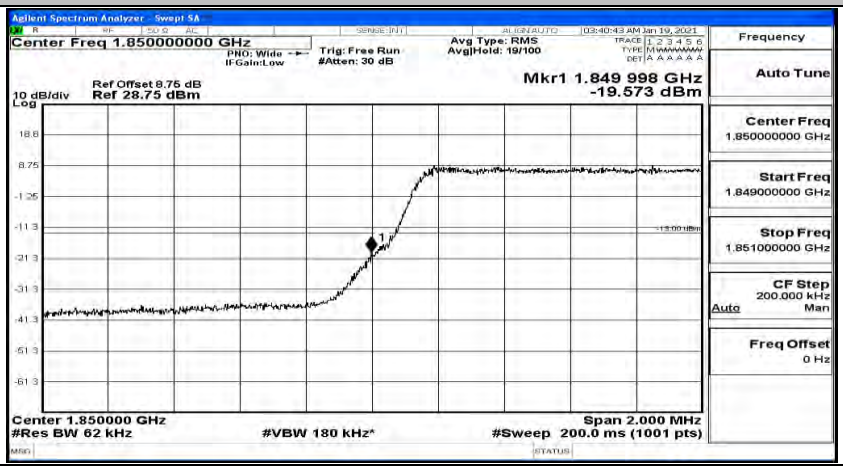

Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



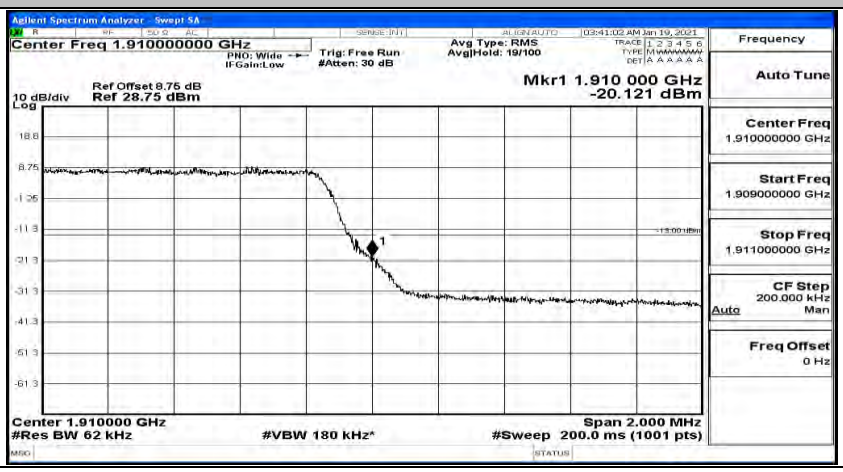
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



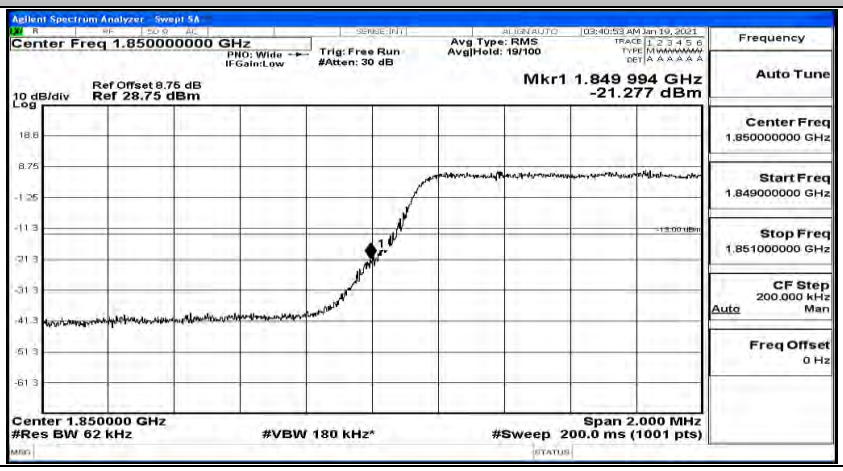

Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



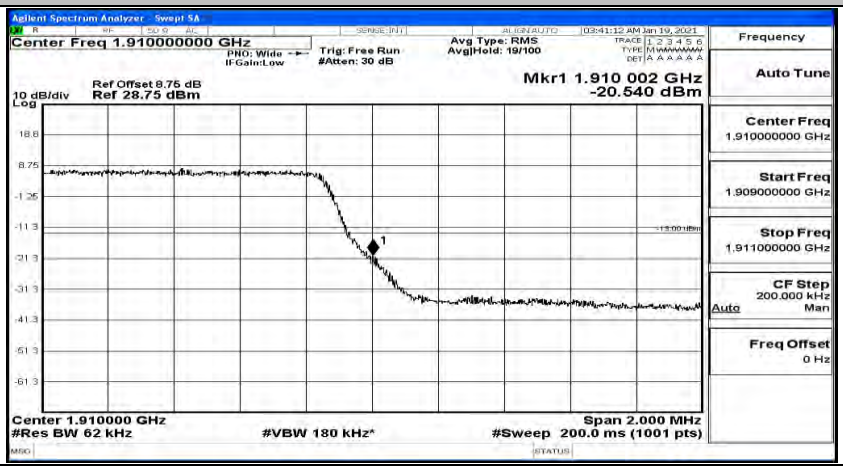

Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



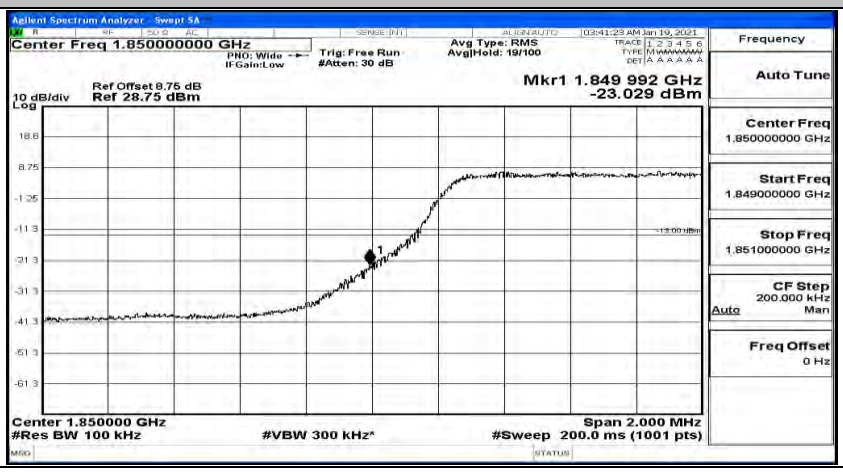
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



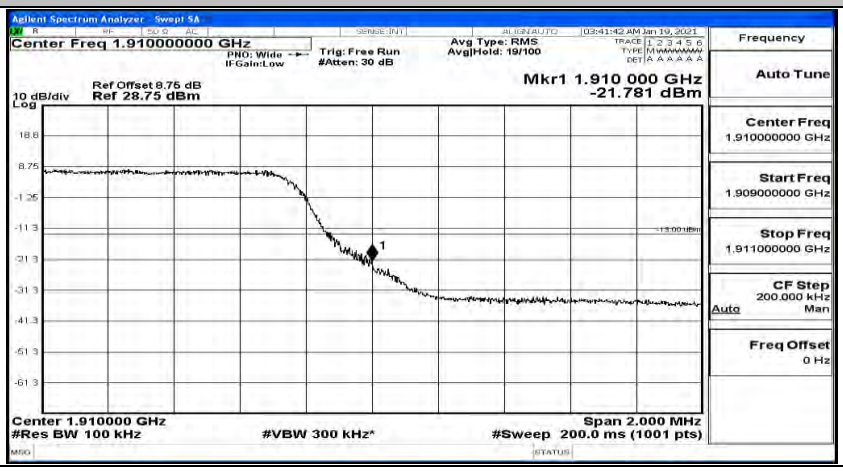

Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



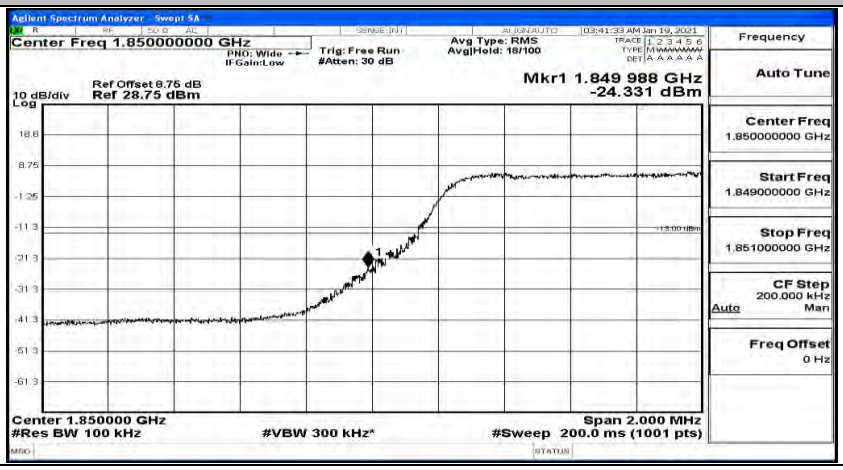

Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



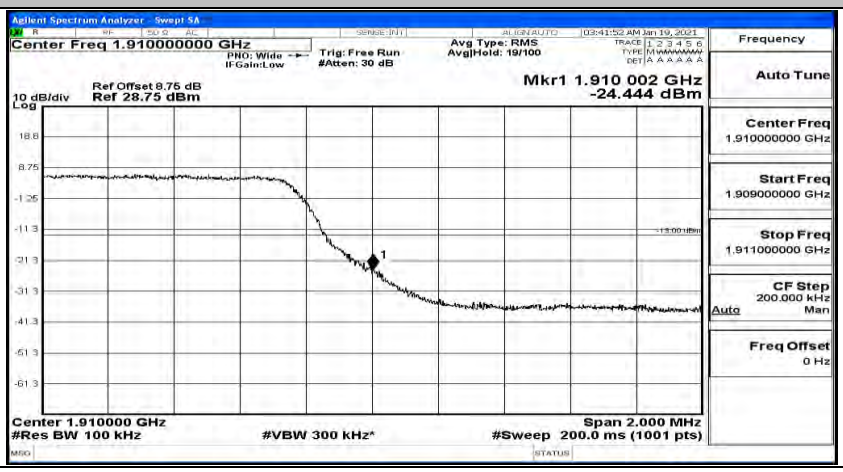
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



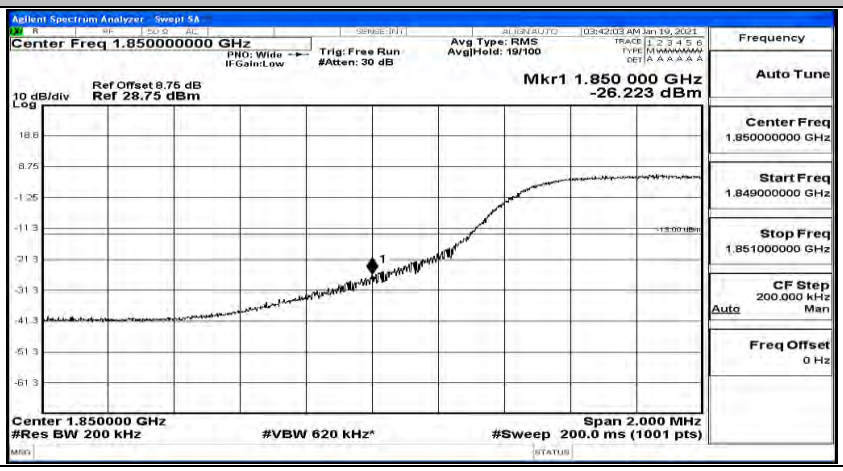

Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



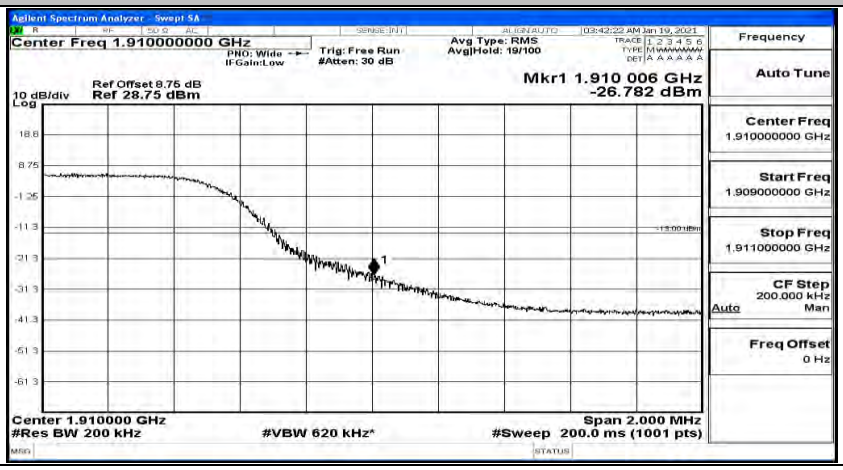

Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



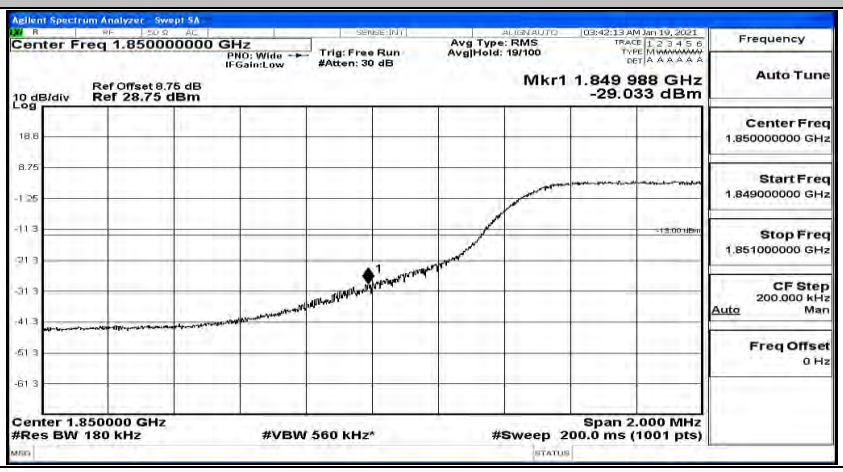
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



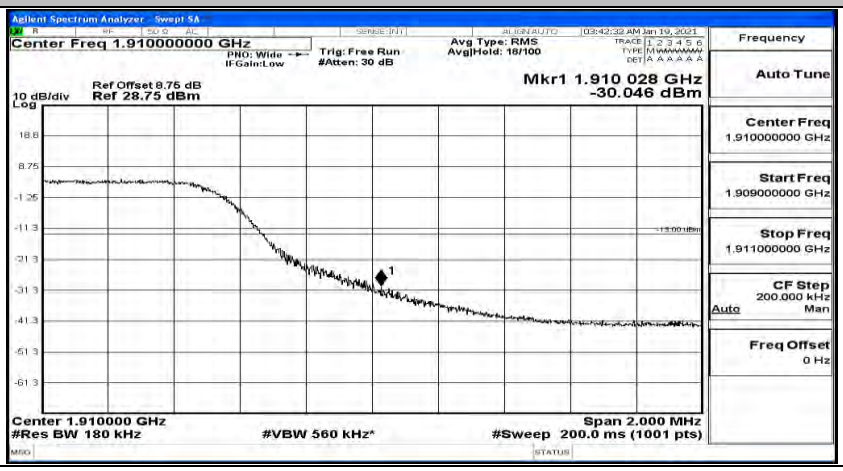

Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



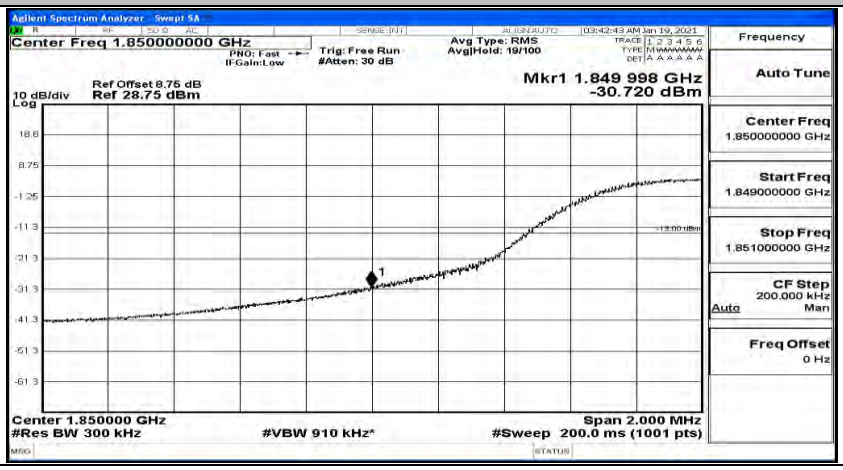

Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



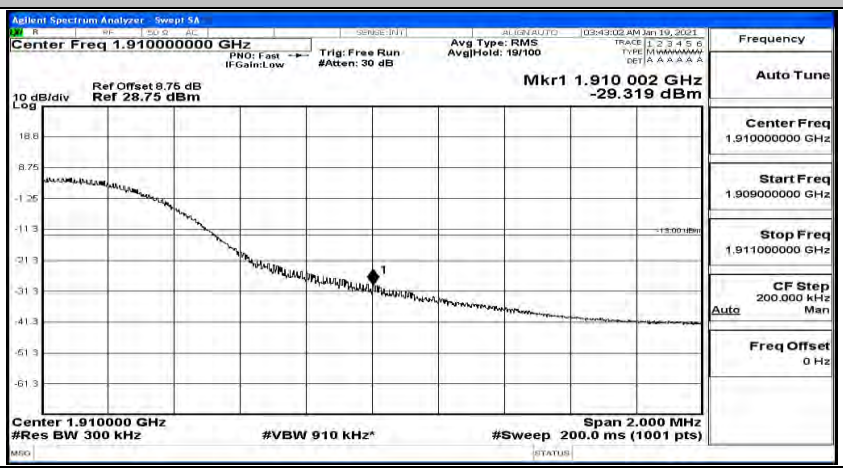
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



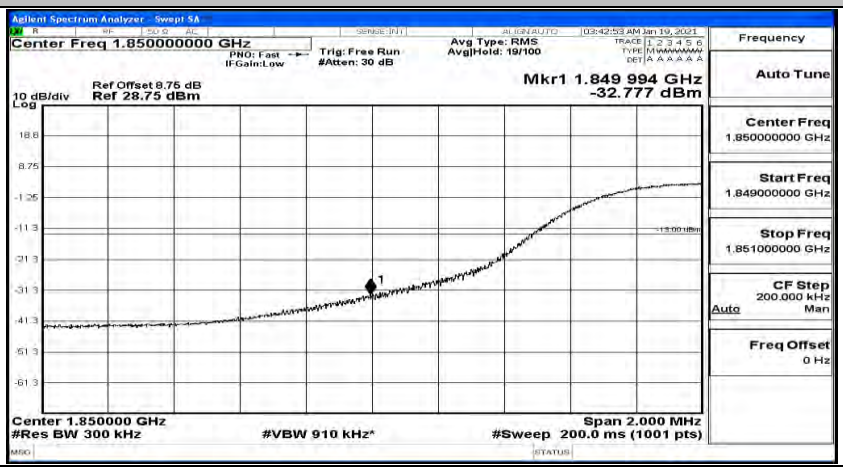

Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



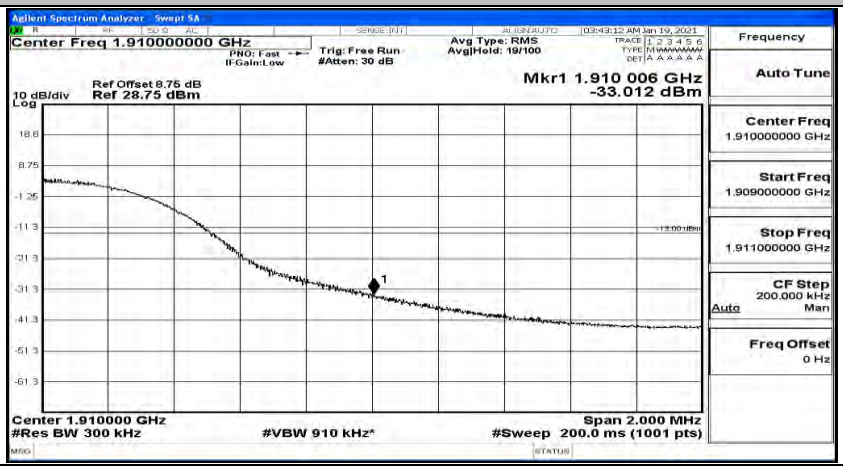

Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



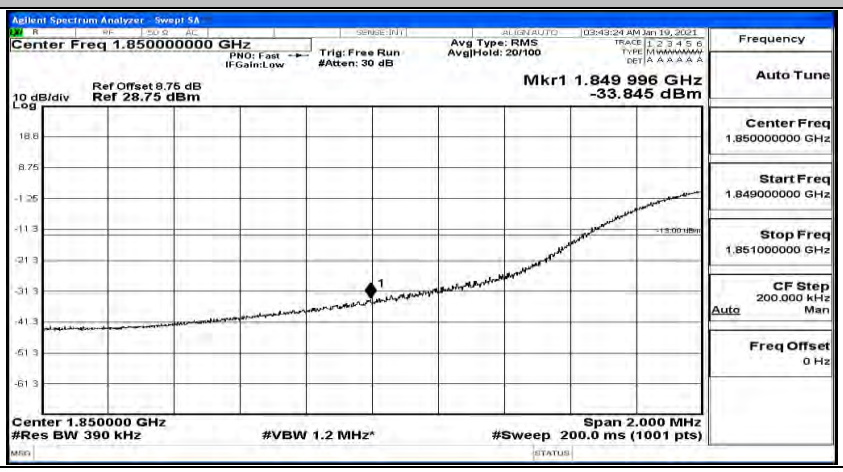
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



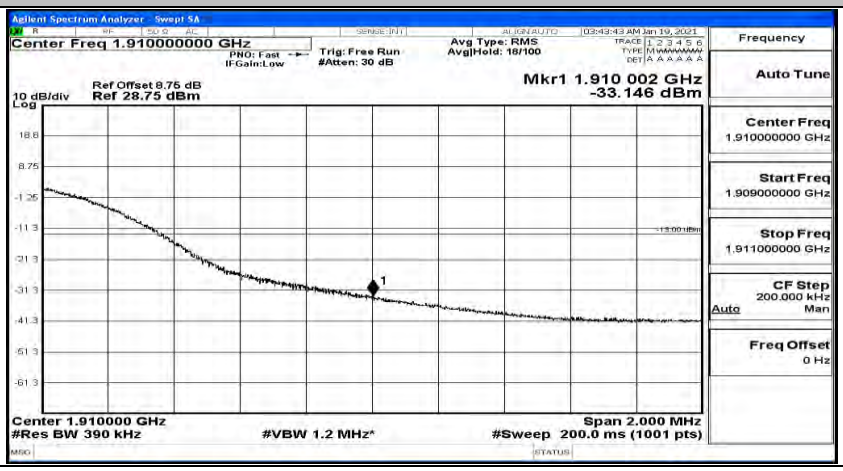

Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



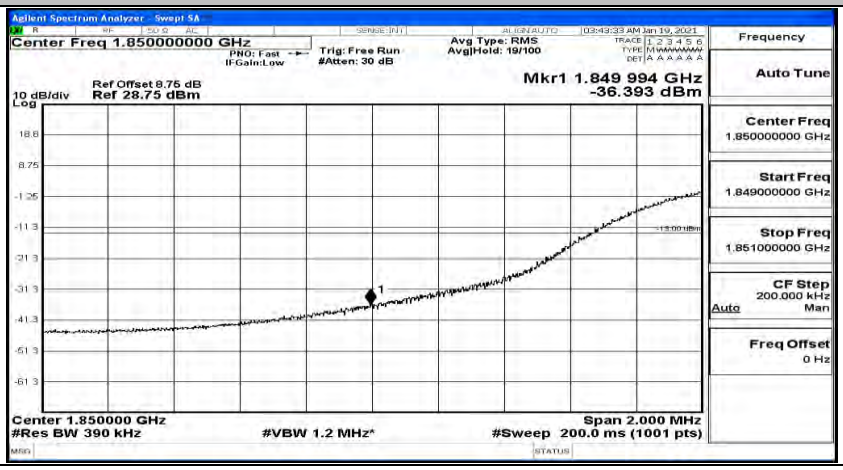

Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



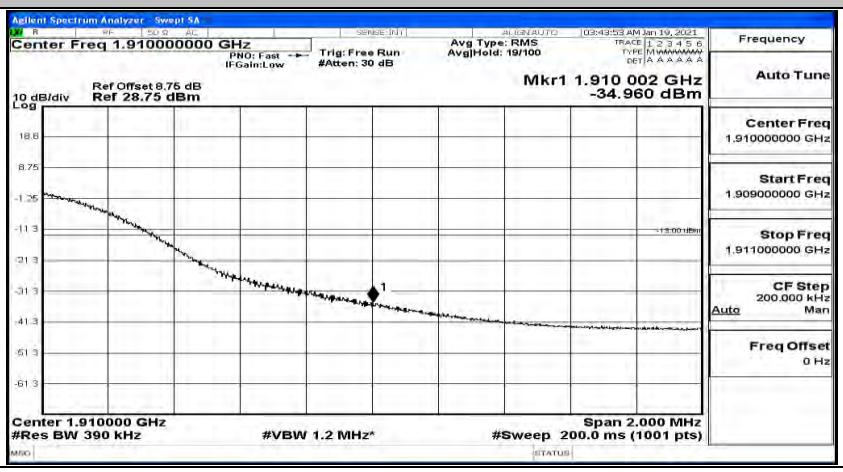
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK




Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM




Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

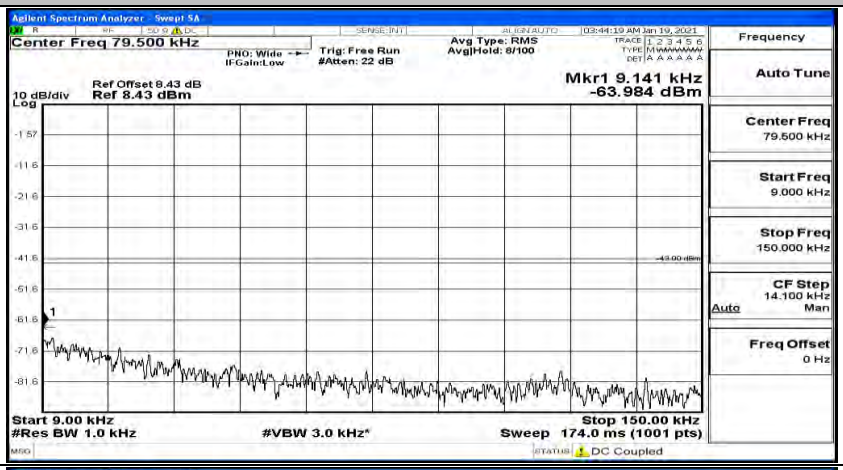


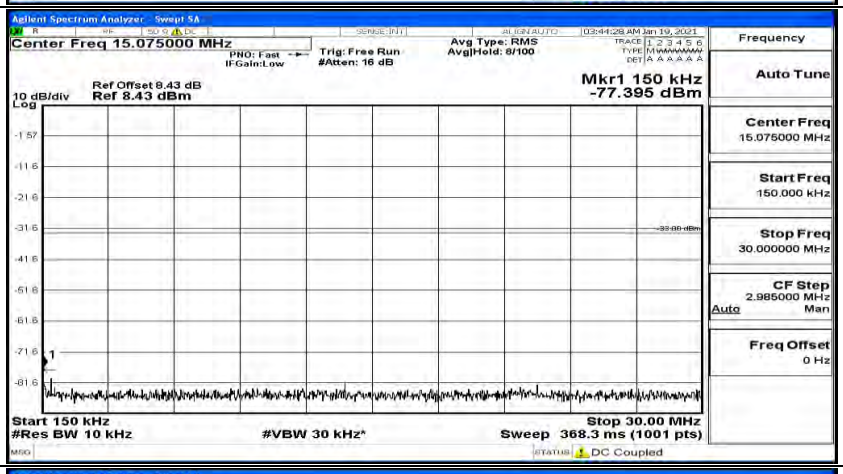
# F.5 Conducted Spurious Emission

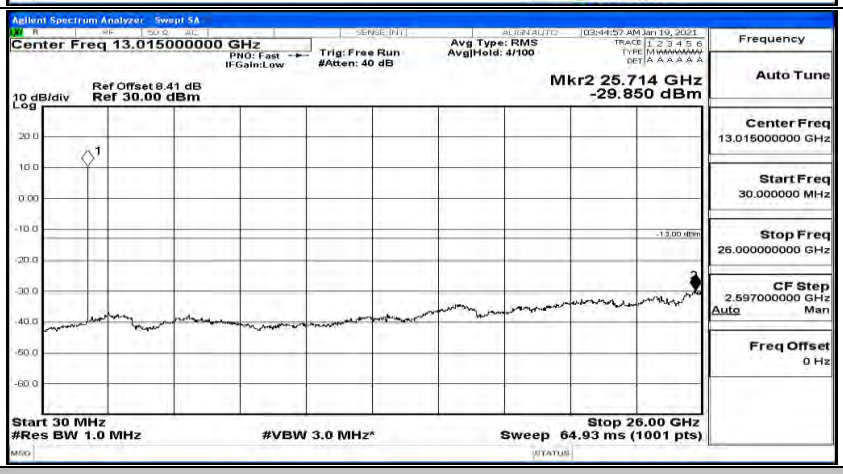
## Test Graphs

## Channel Bandwidth: 1.4 MHz

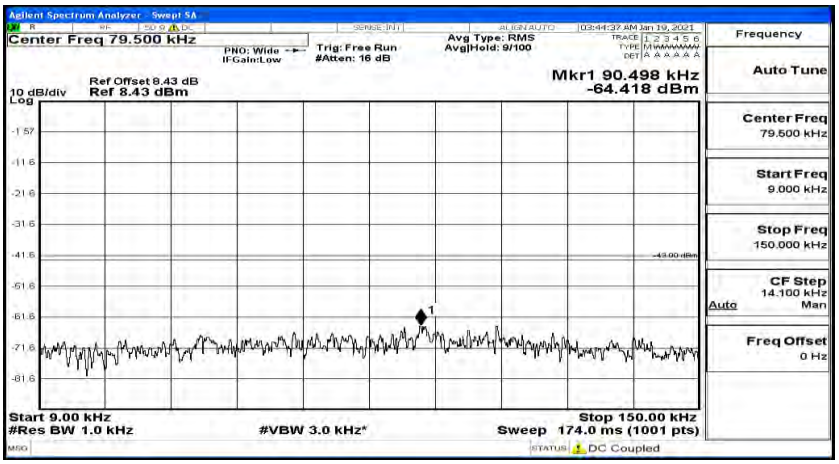
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

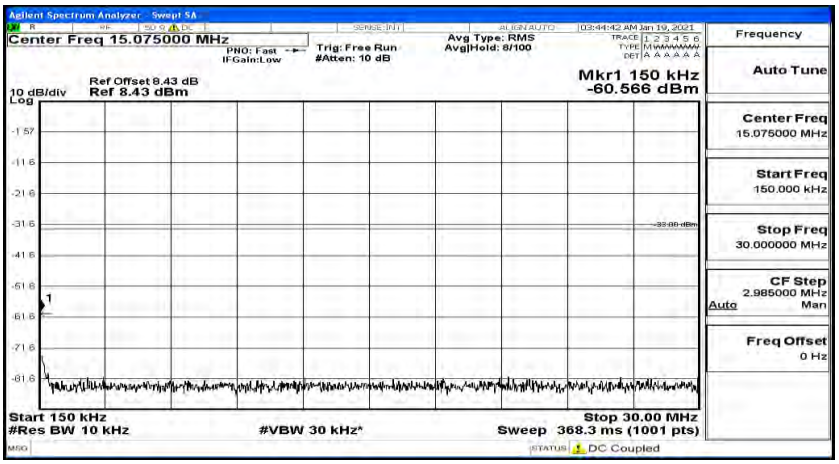


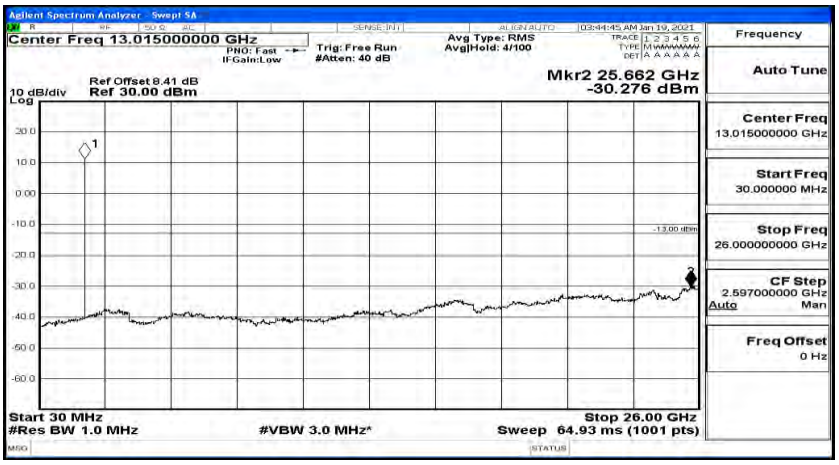



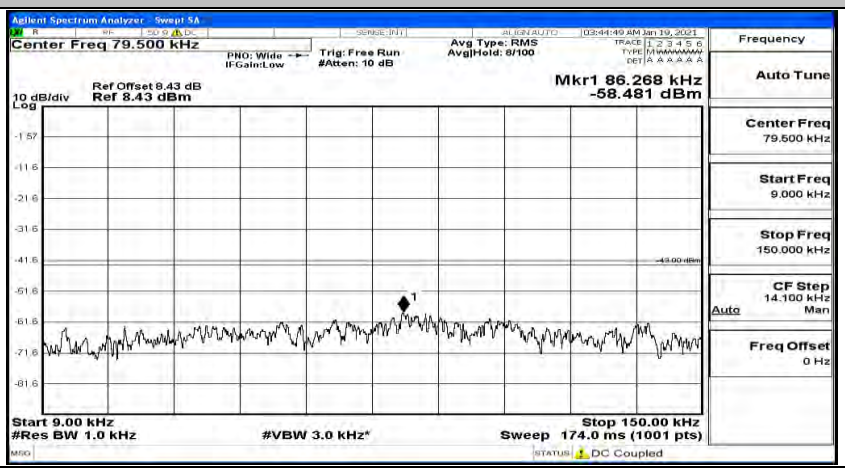

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

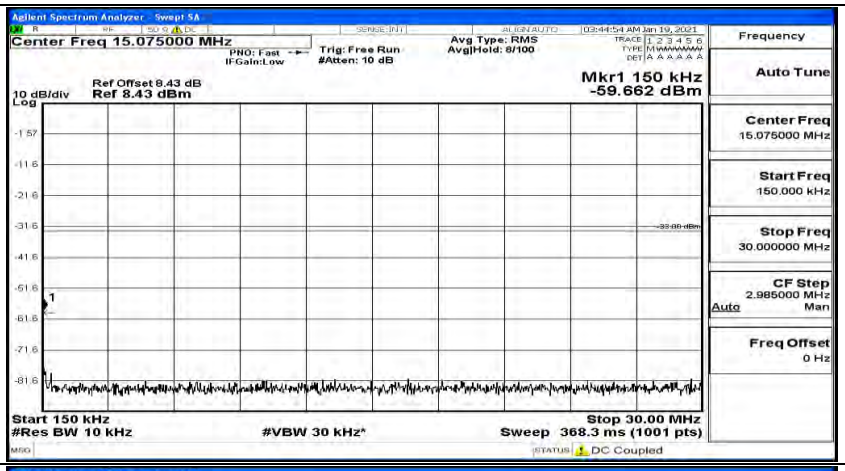


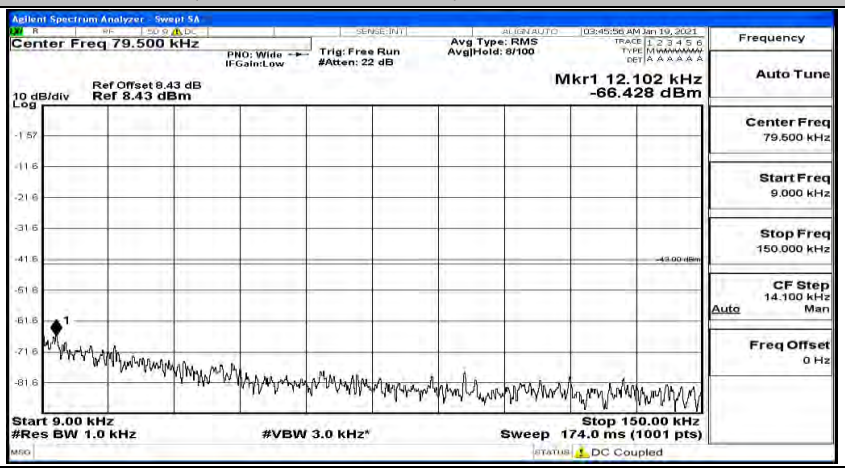



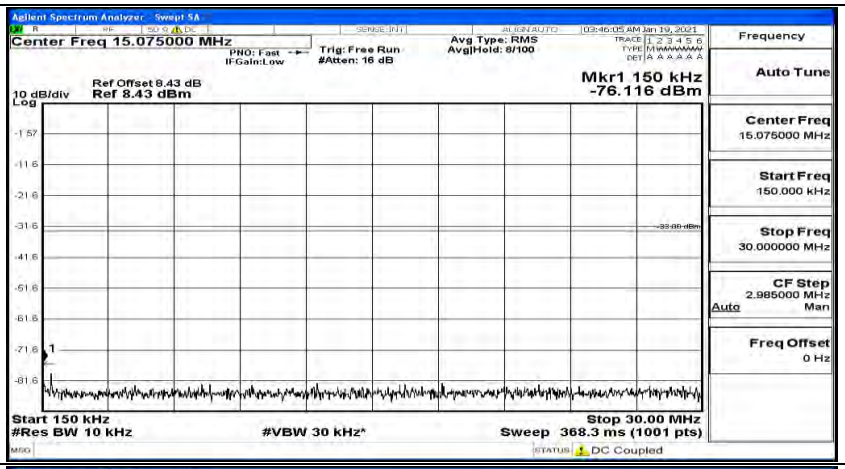

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

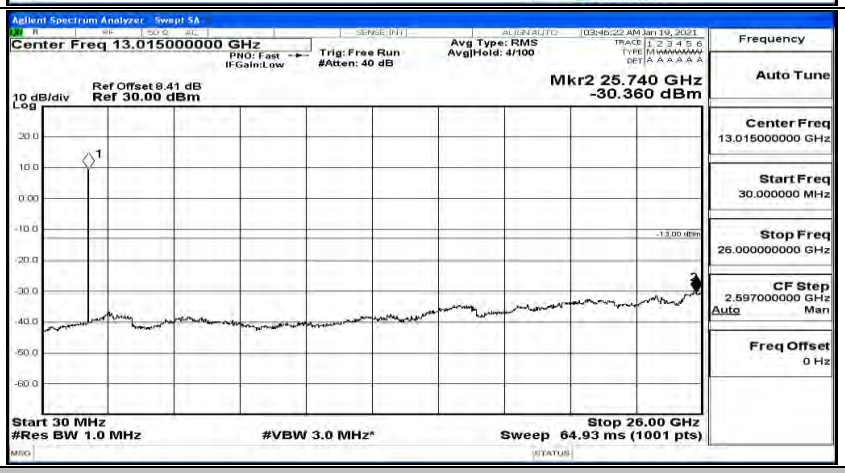




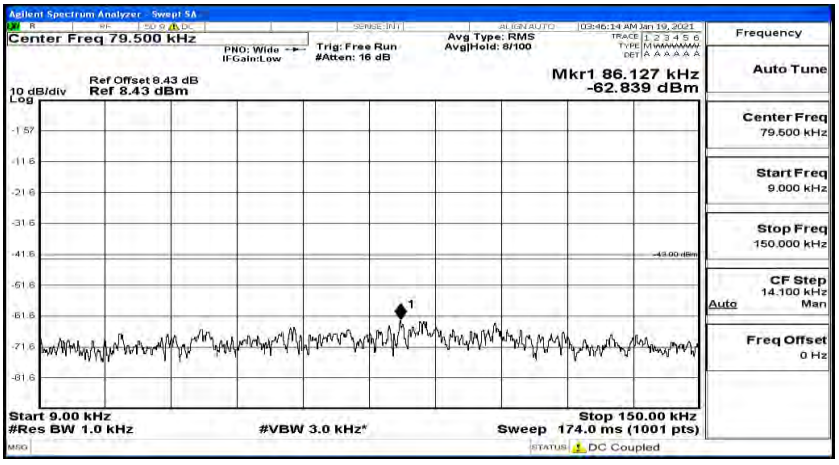
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

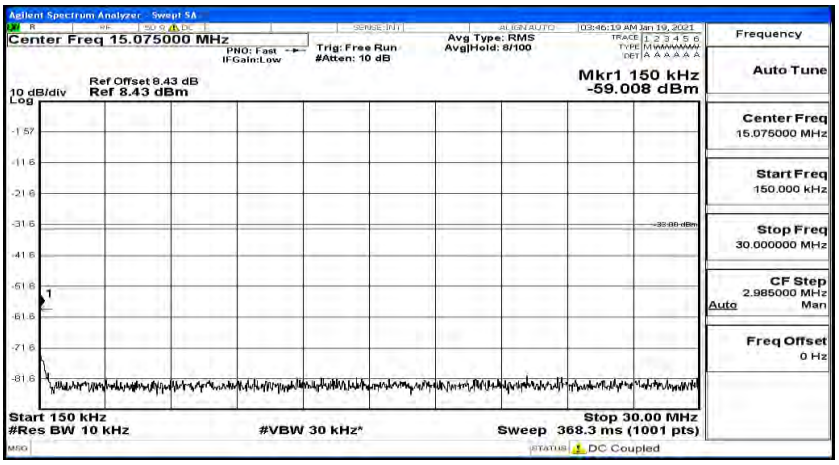




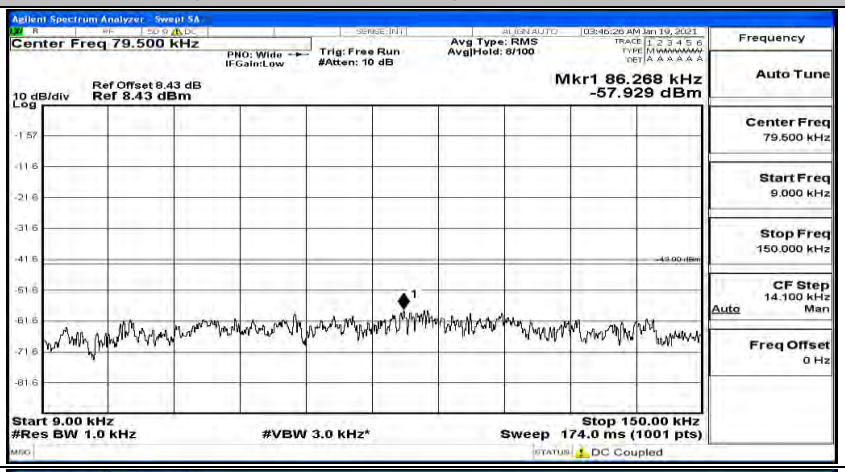



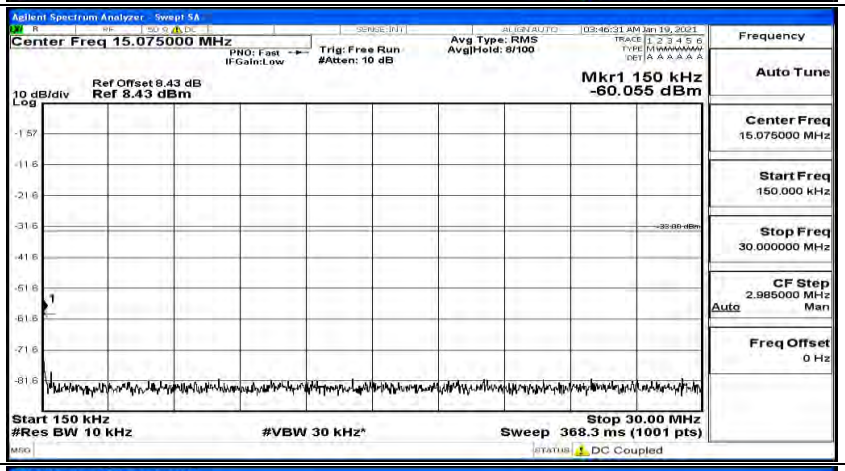

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

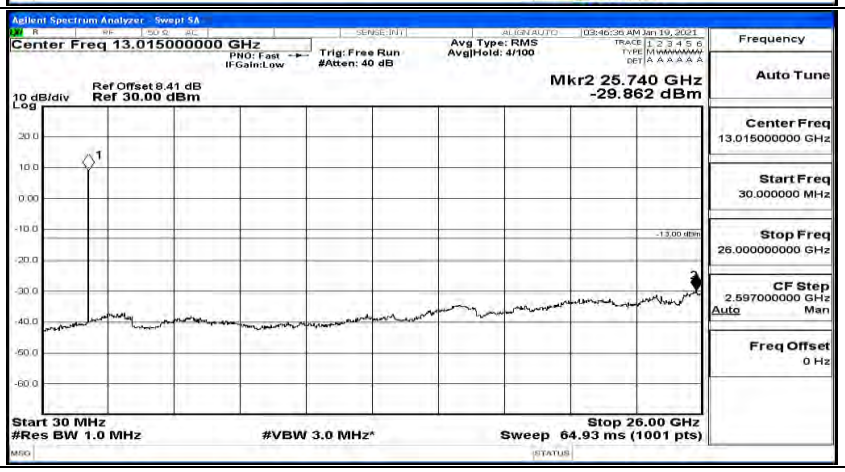


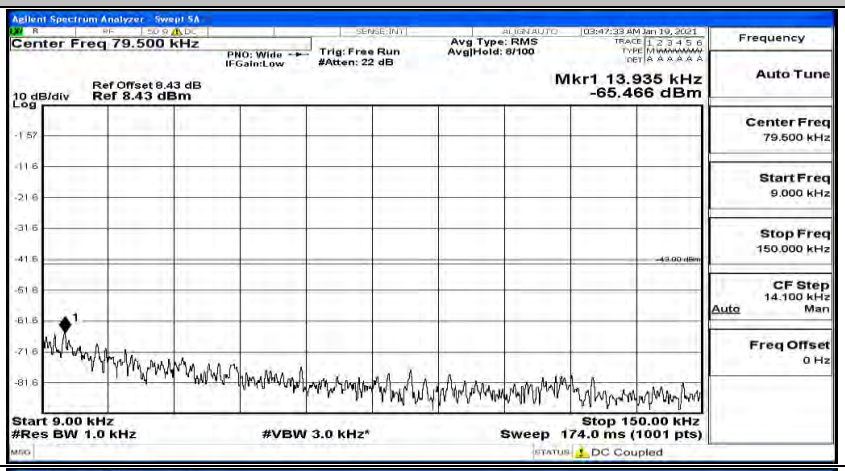
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

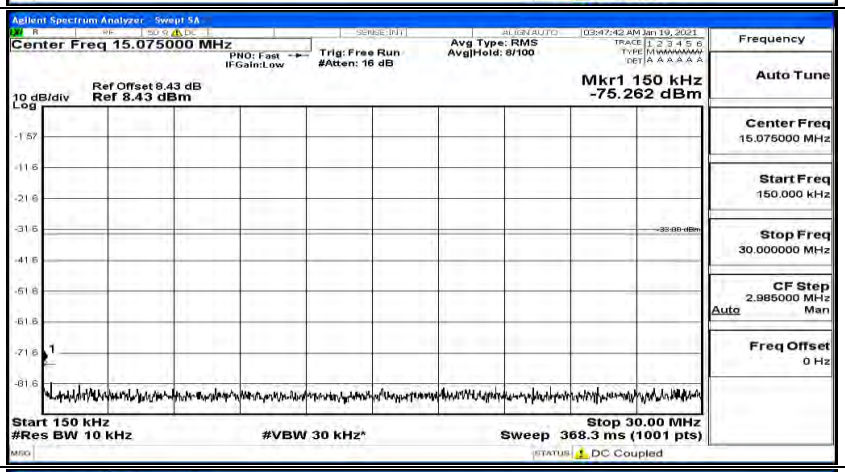


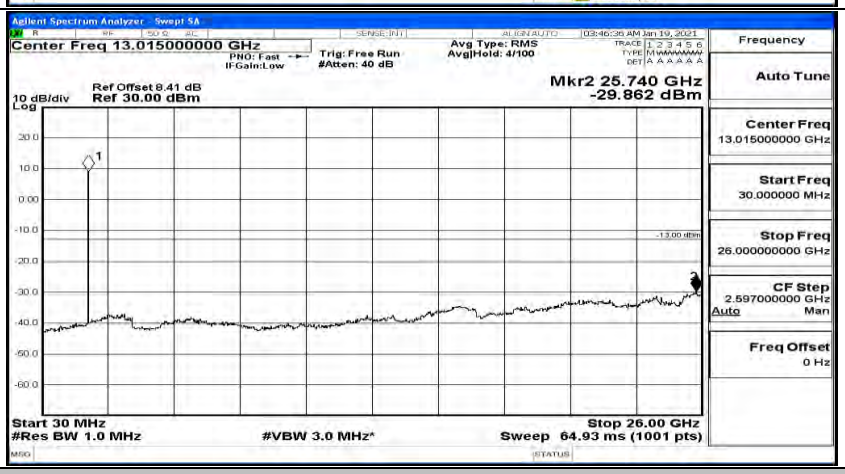



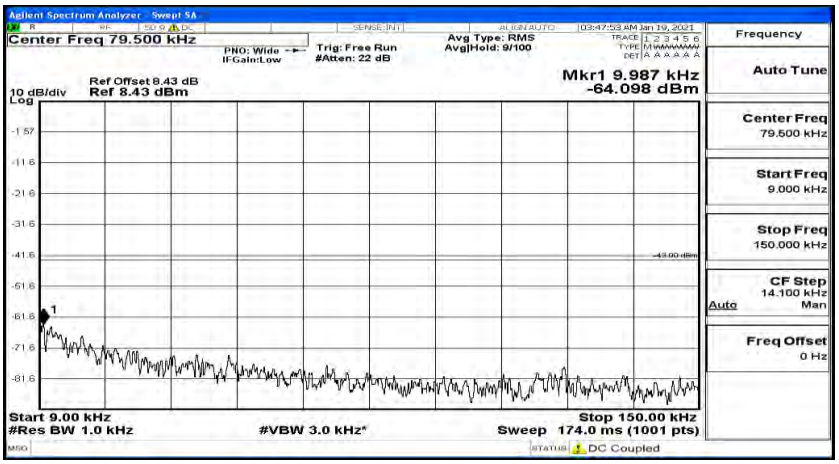
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

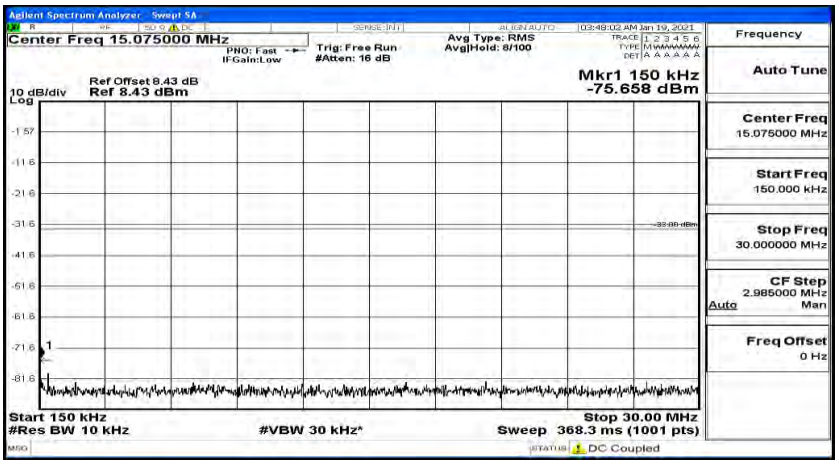


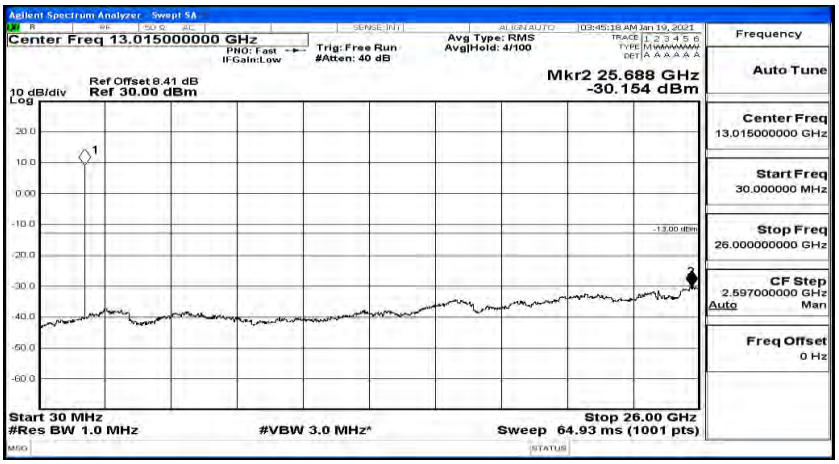



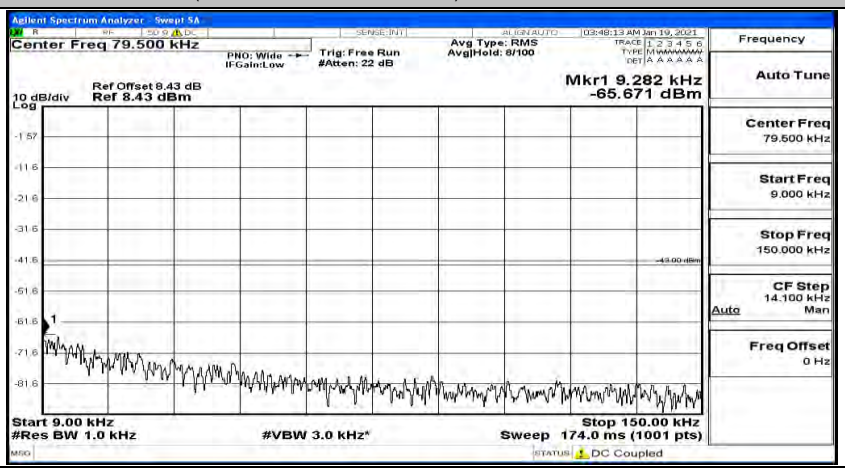

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

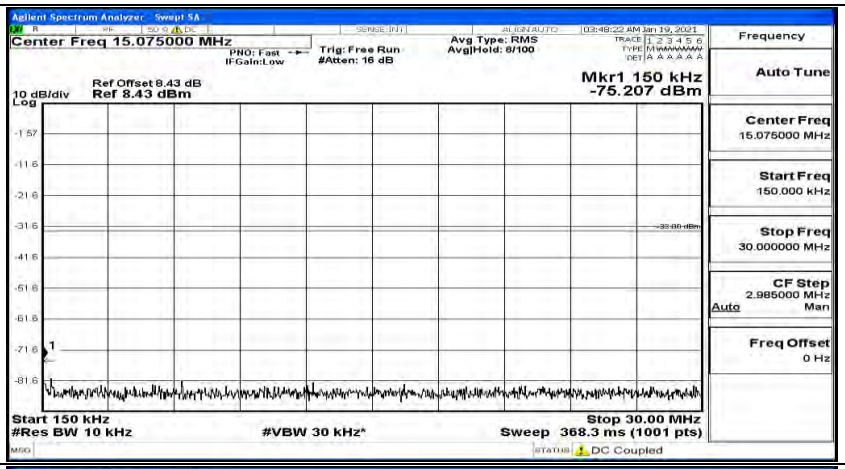


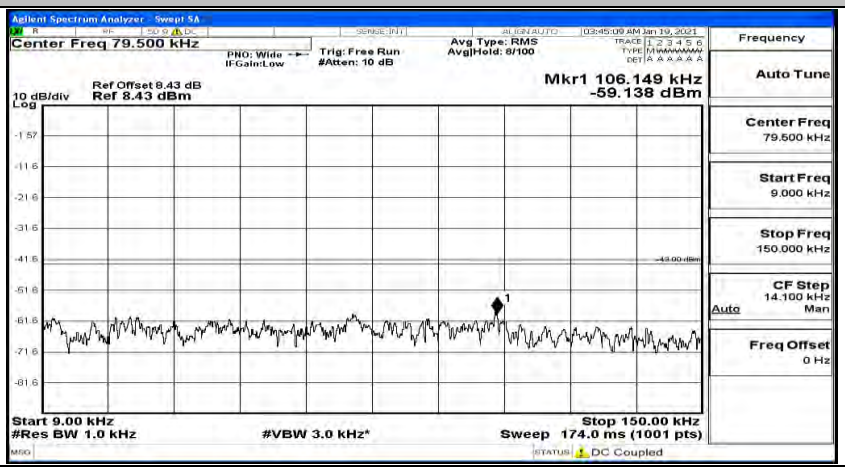



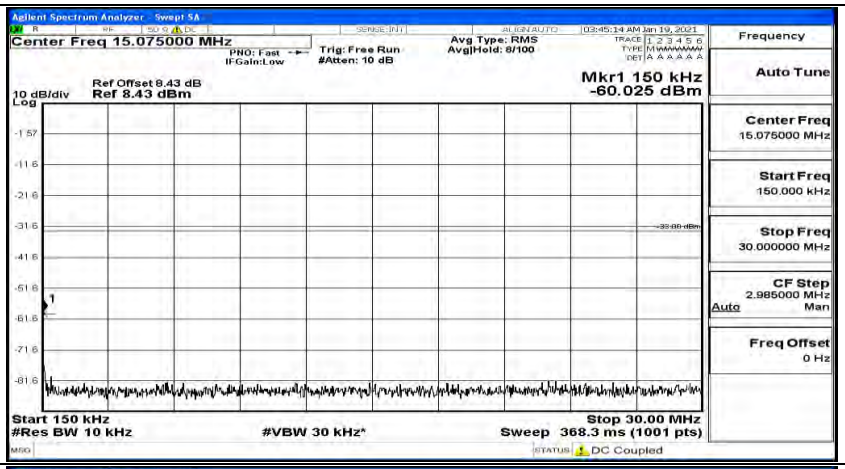

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

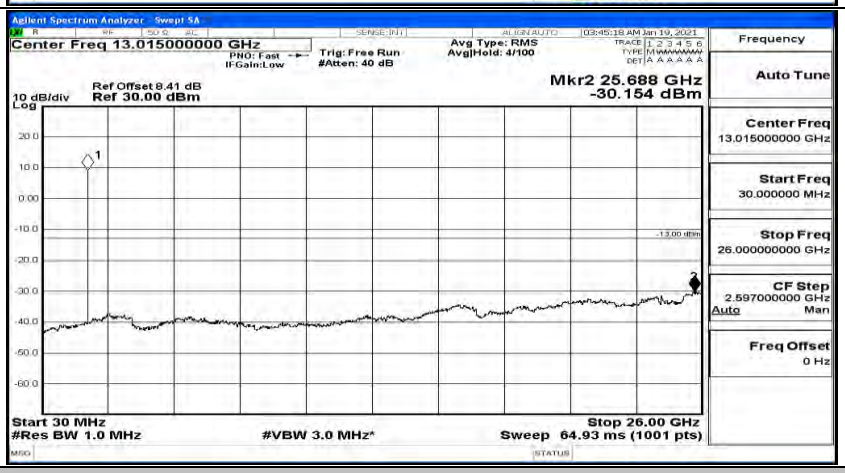




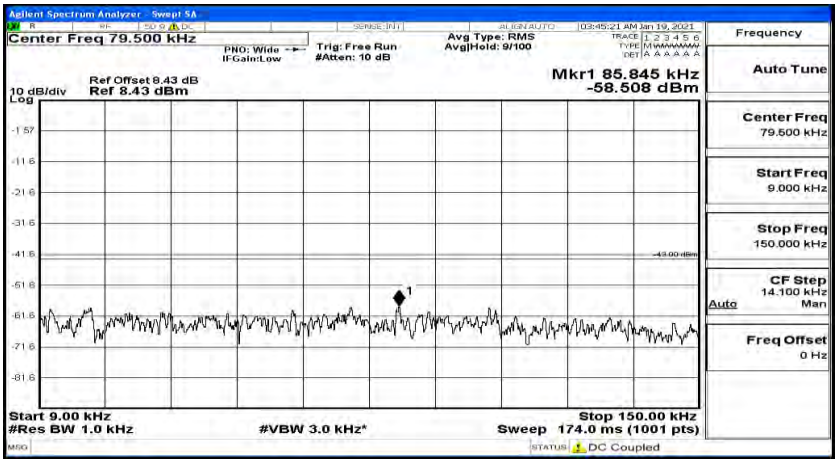
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

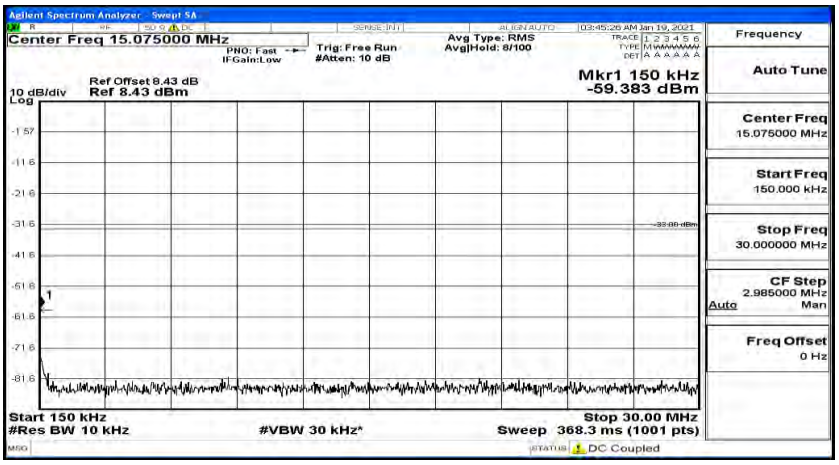




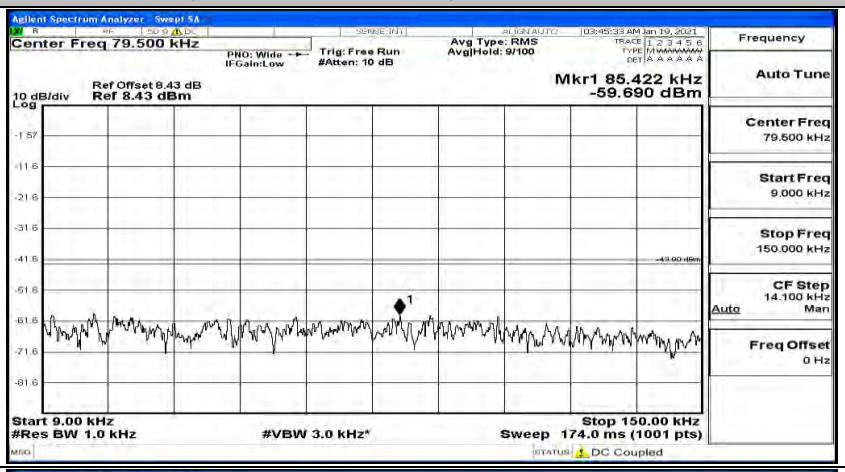



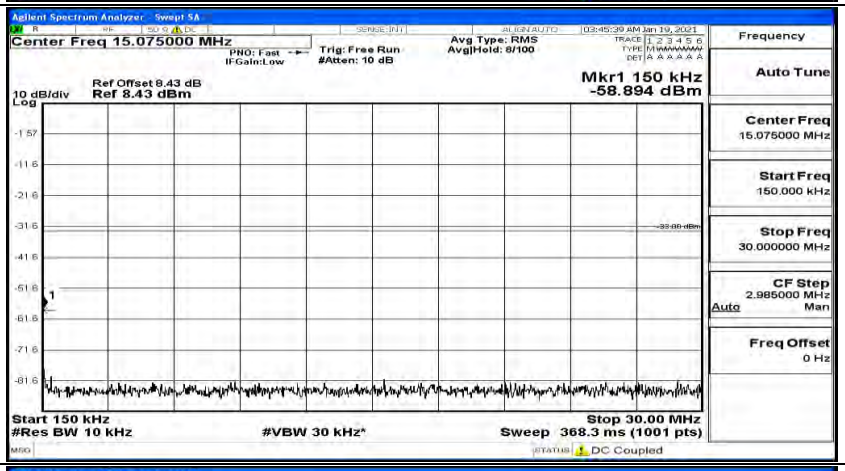

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



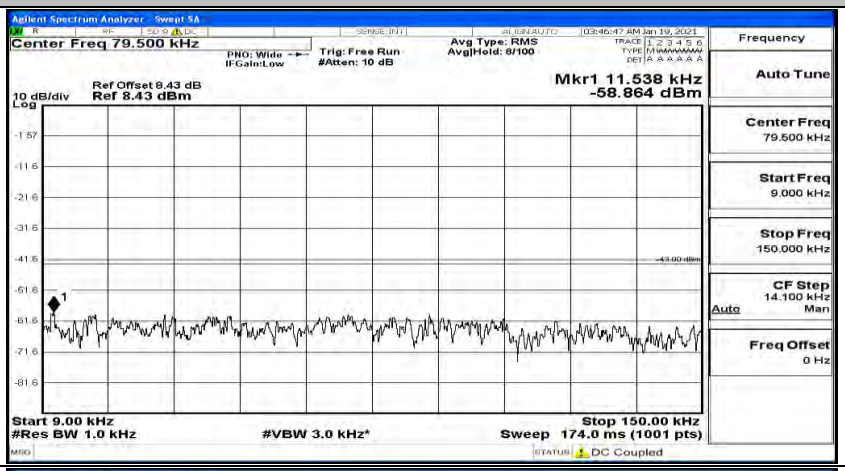



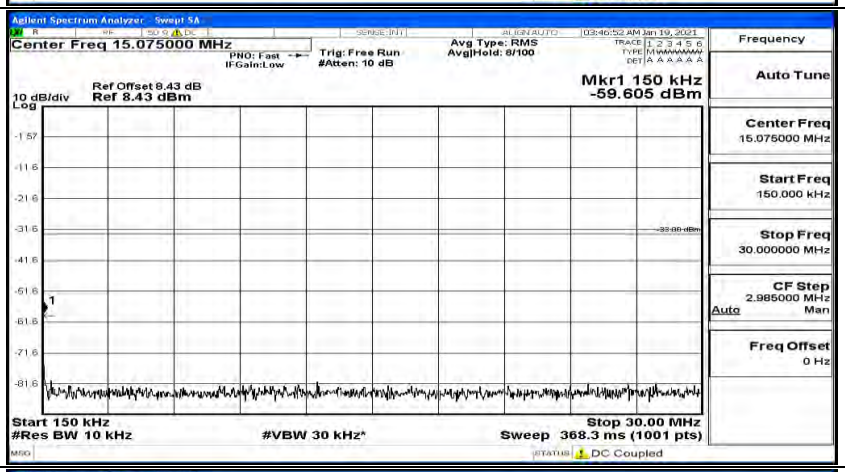
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

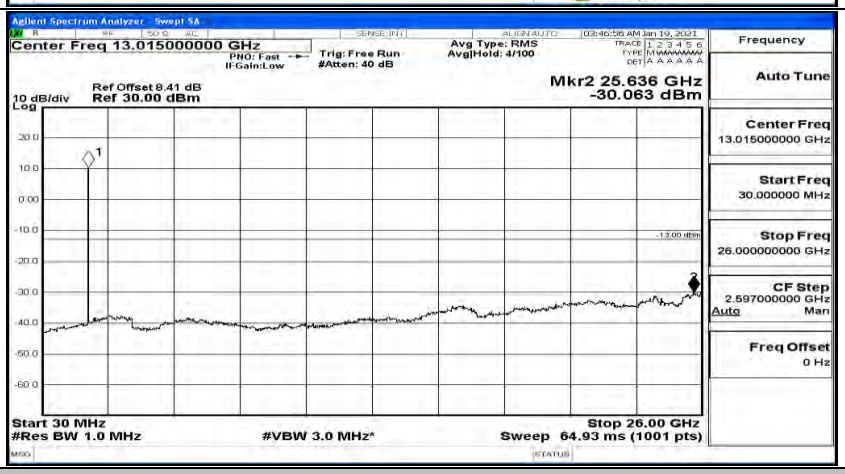


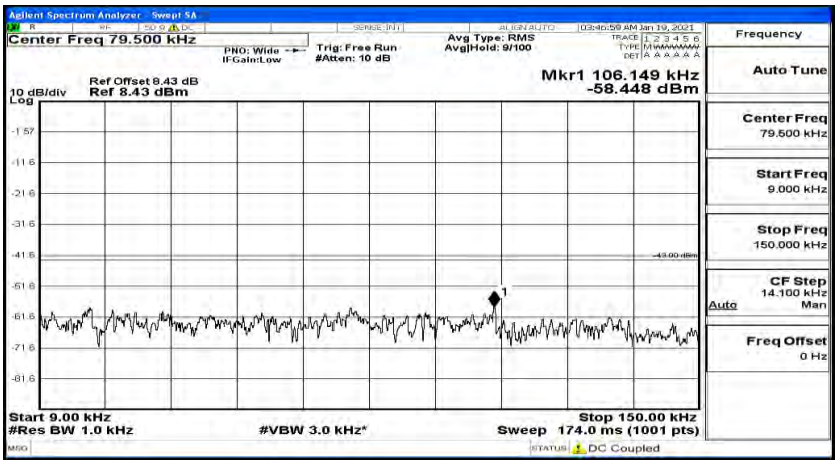
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

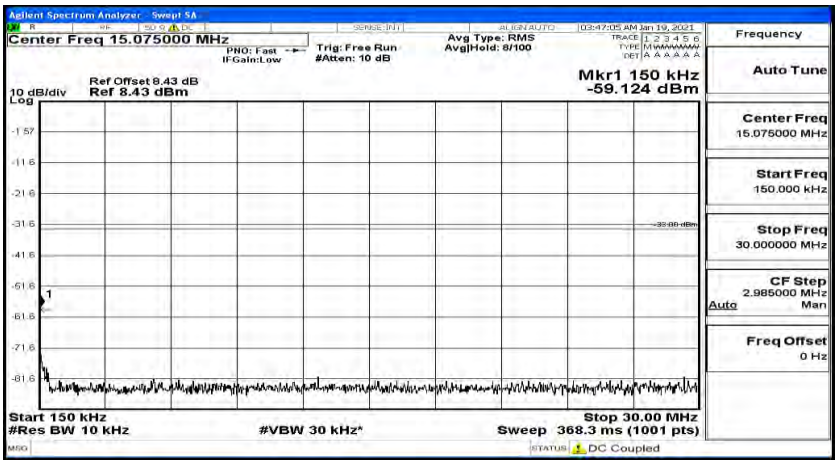


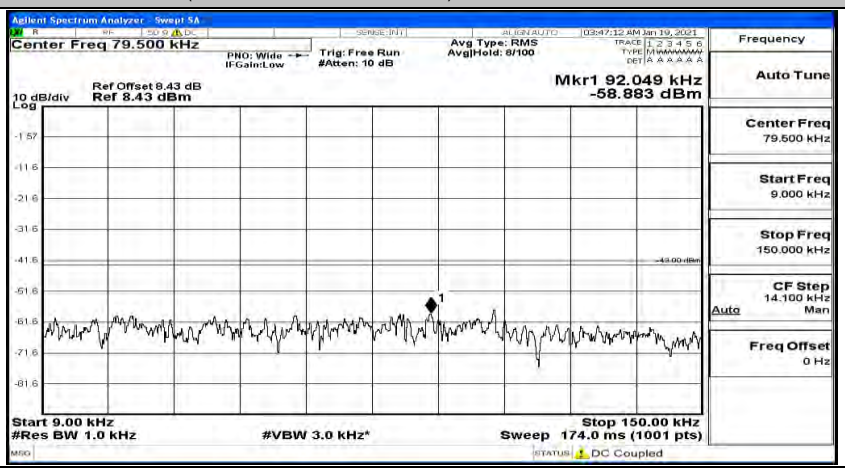



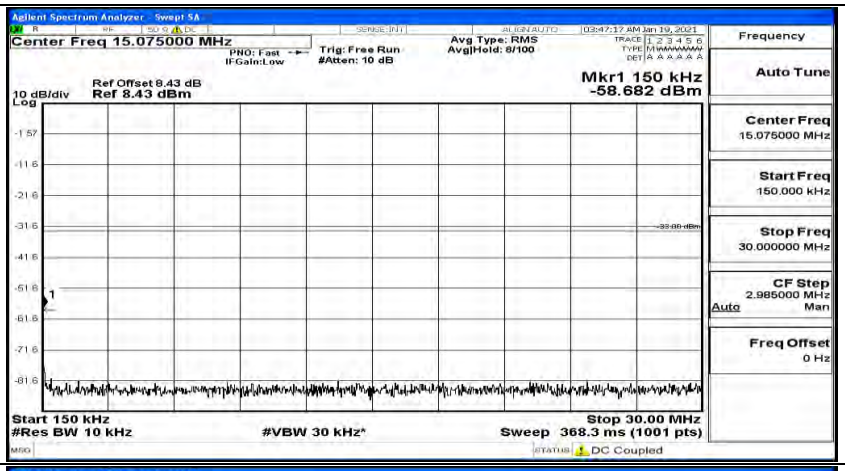

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



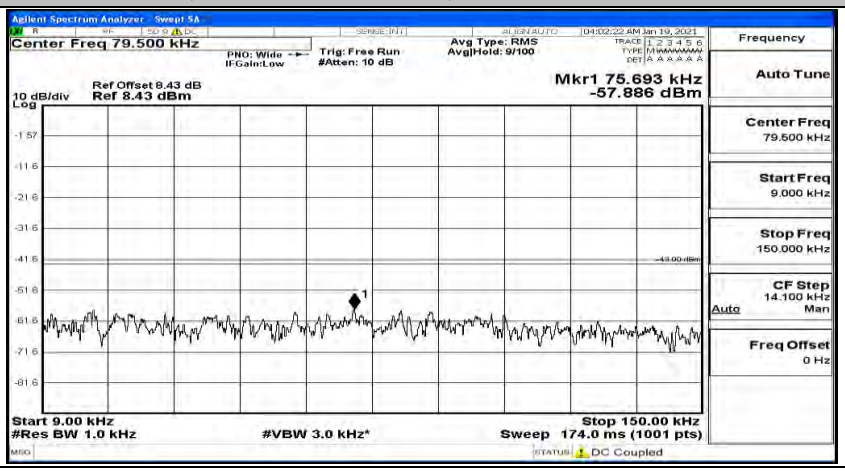



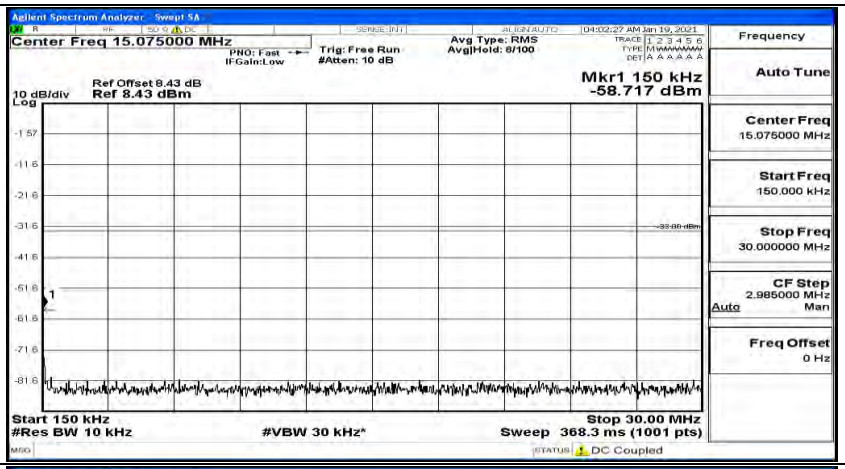
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

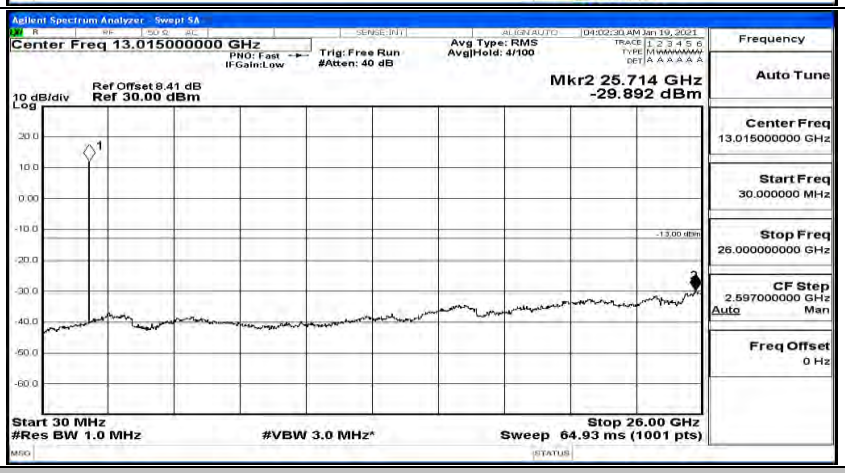




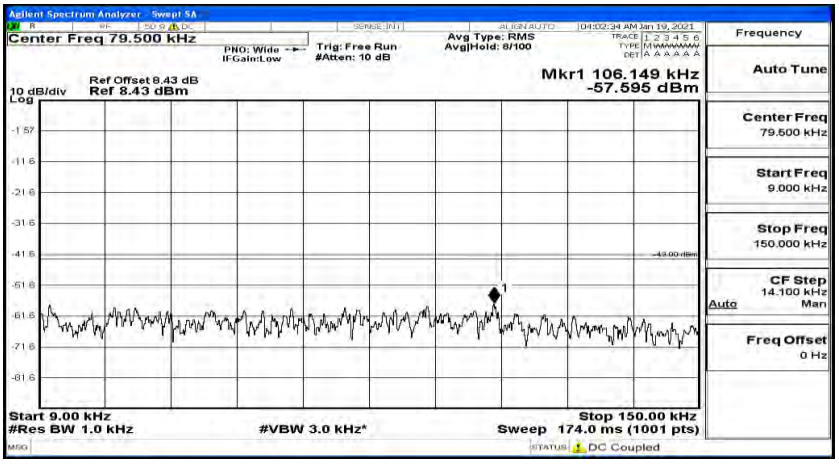
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

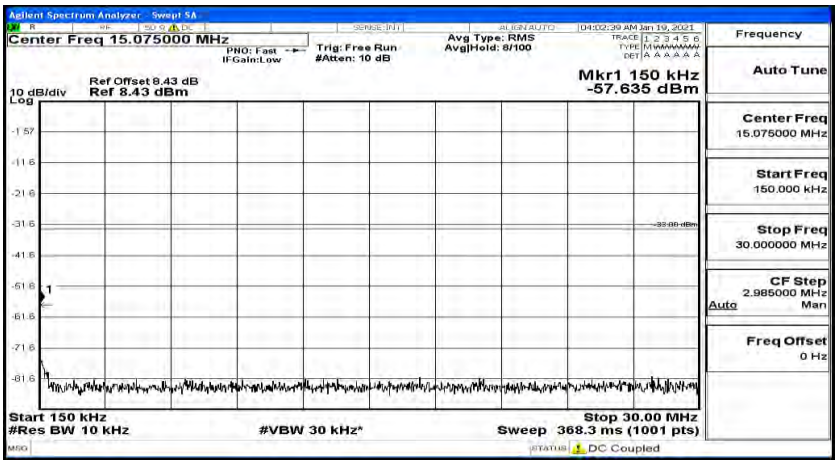




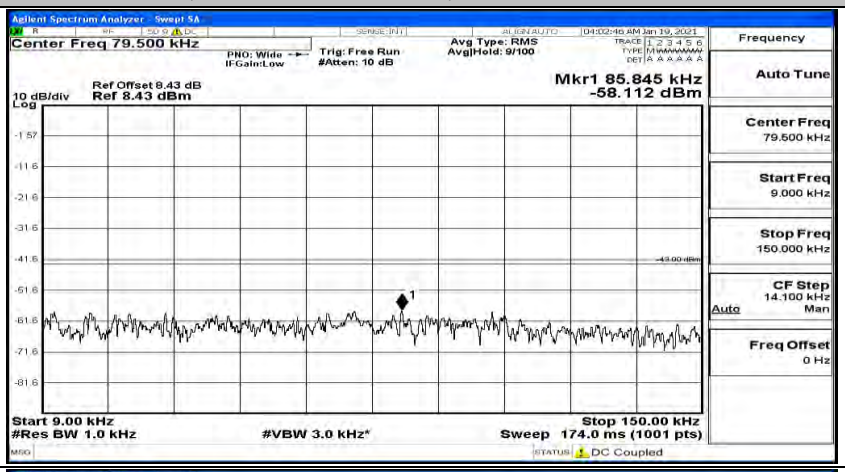



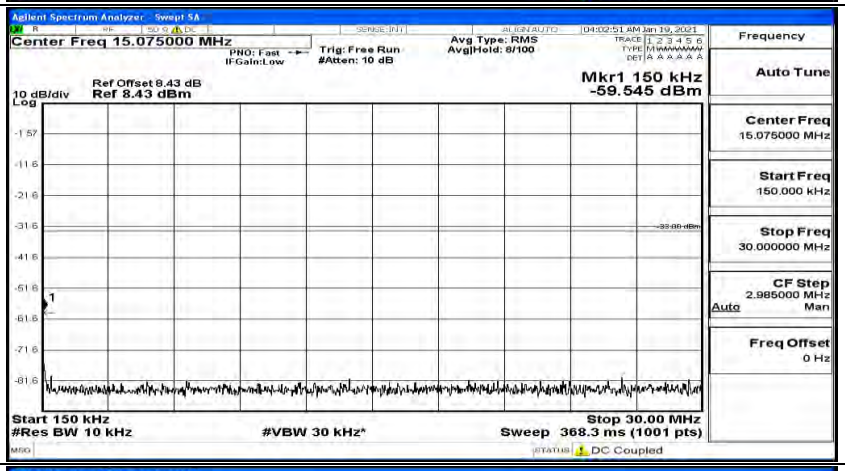

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

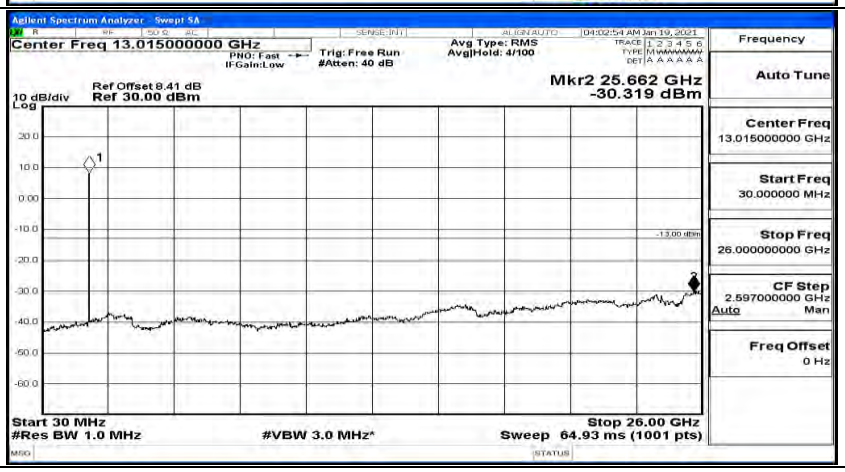


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

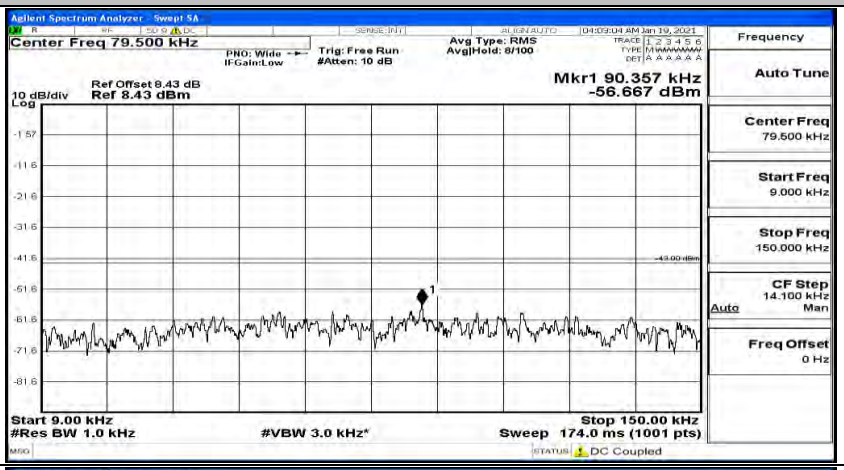


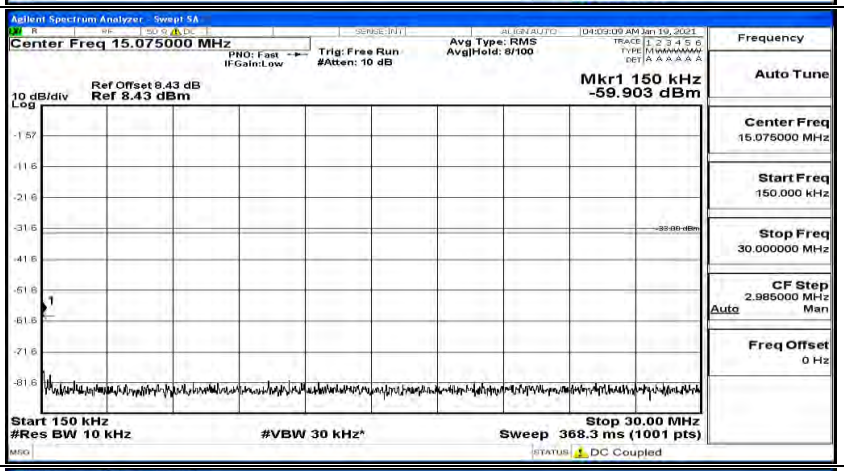



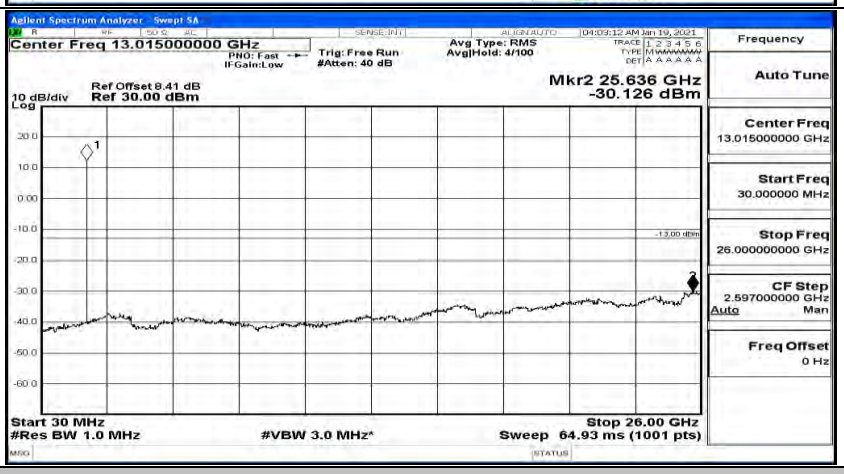



## Channel Bandwidth: 3 MHz

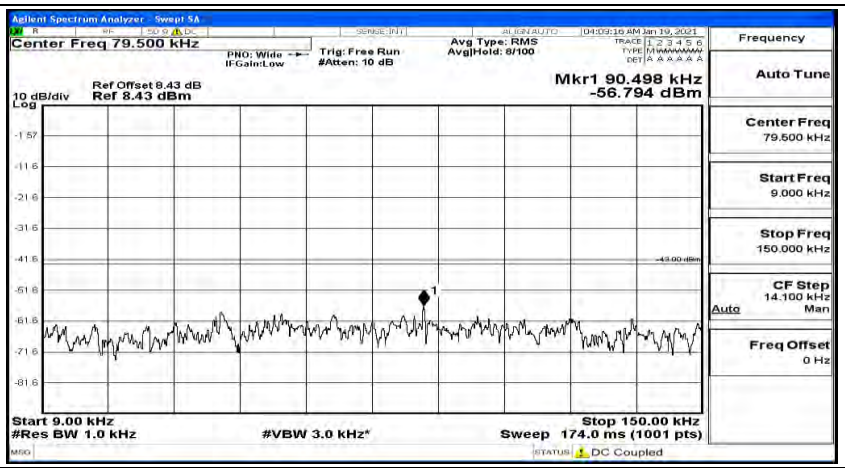
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

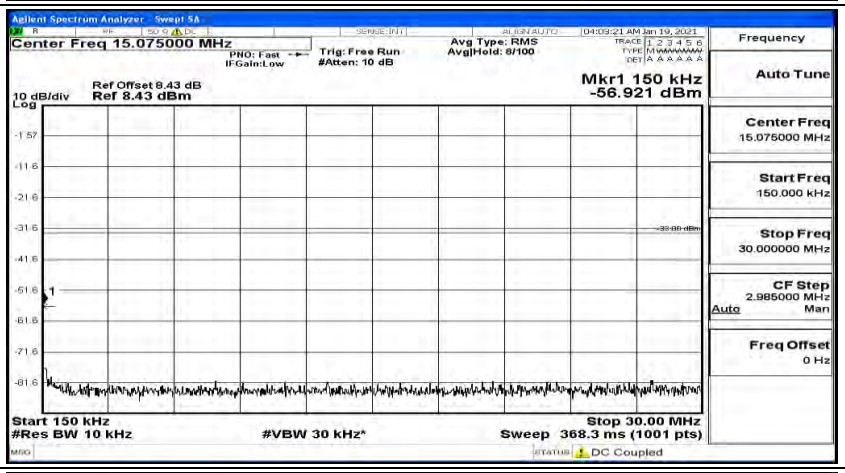


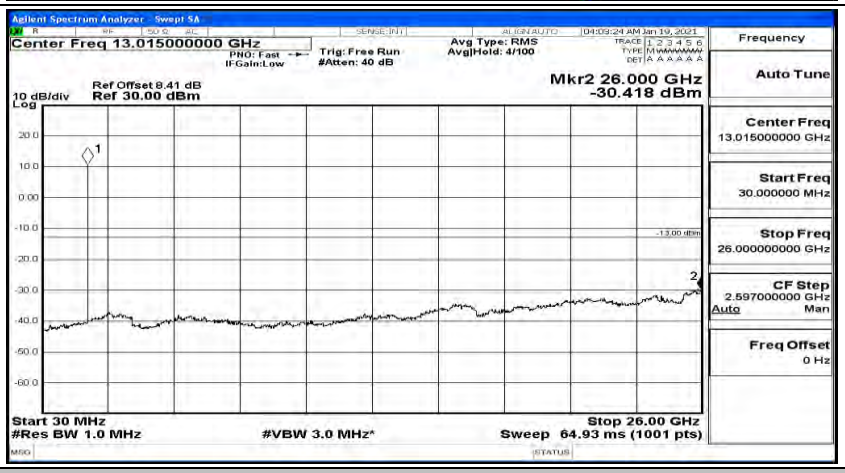



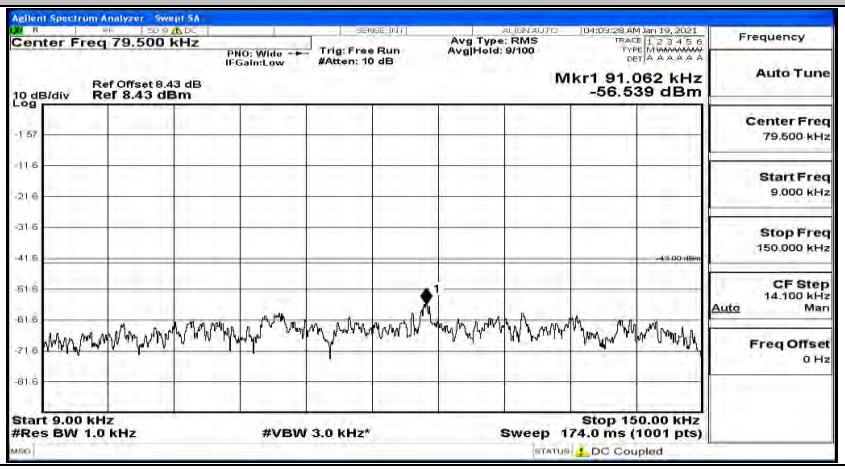

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

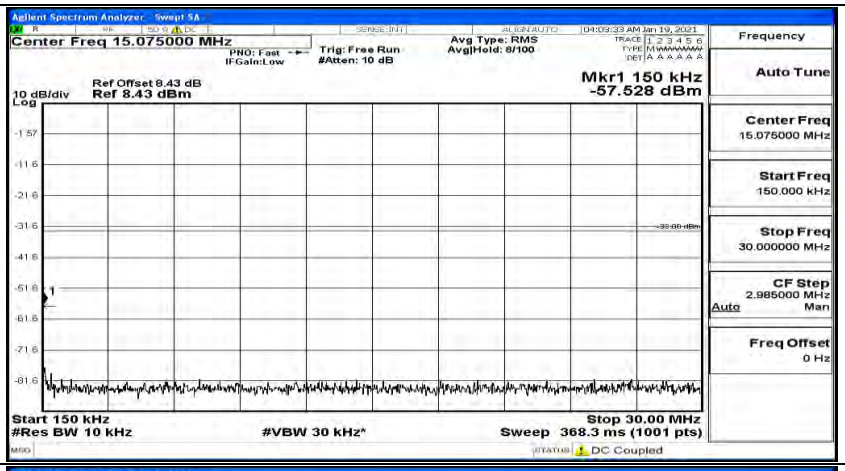


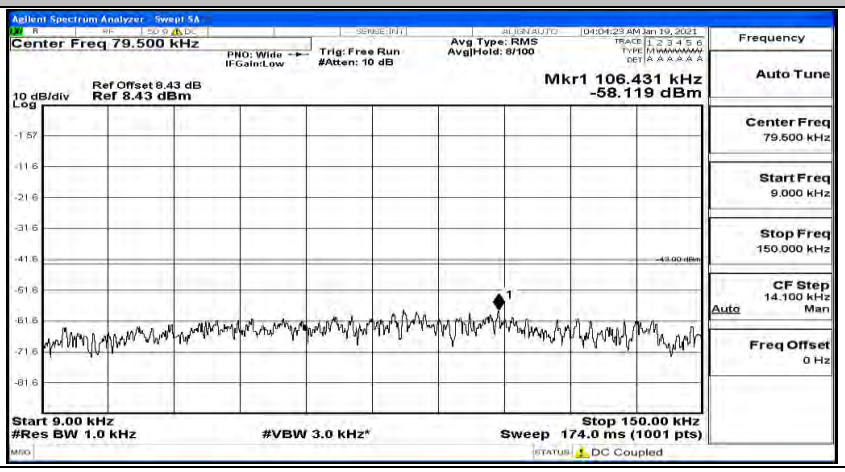



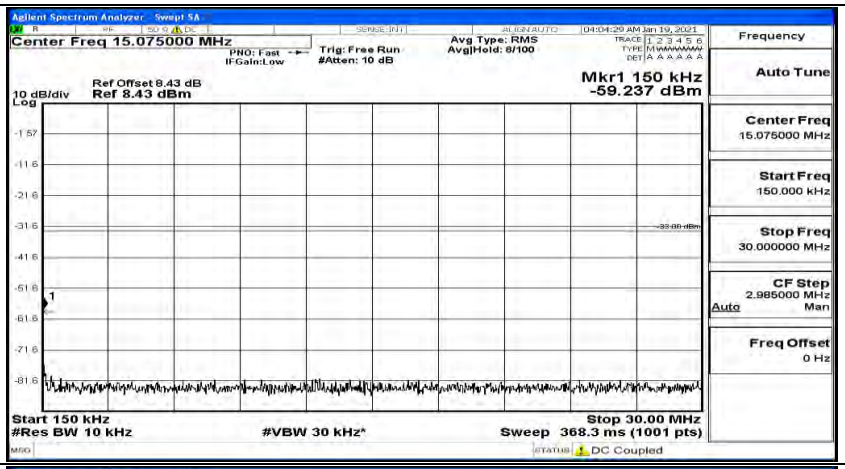

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

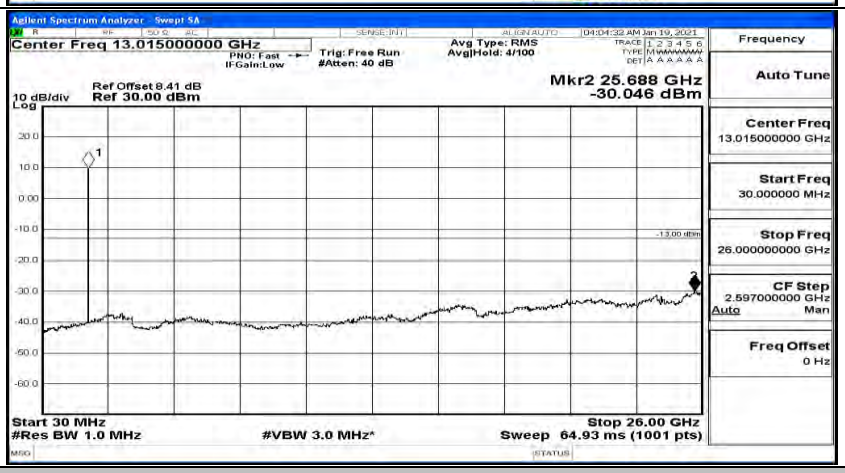




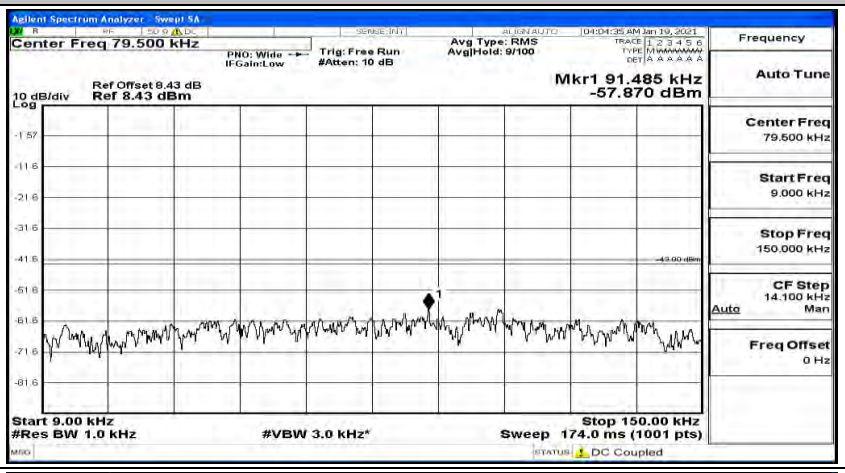
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

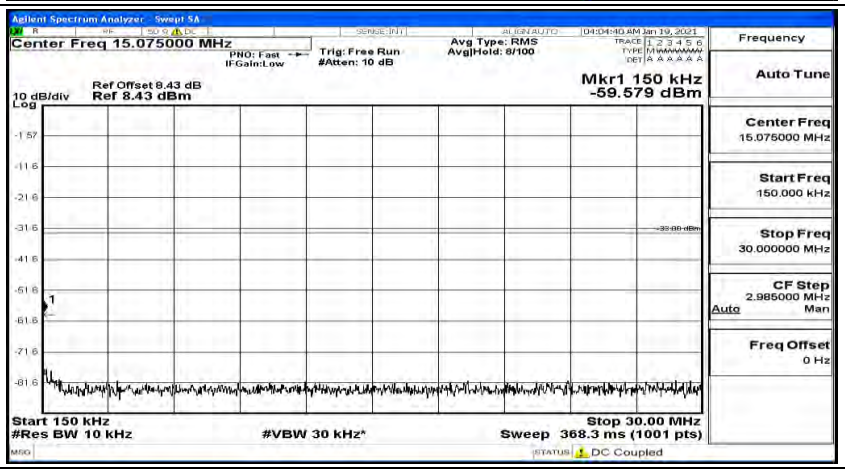


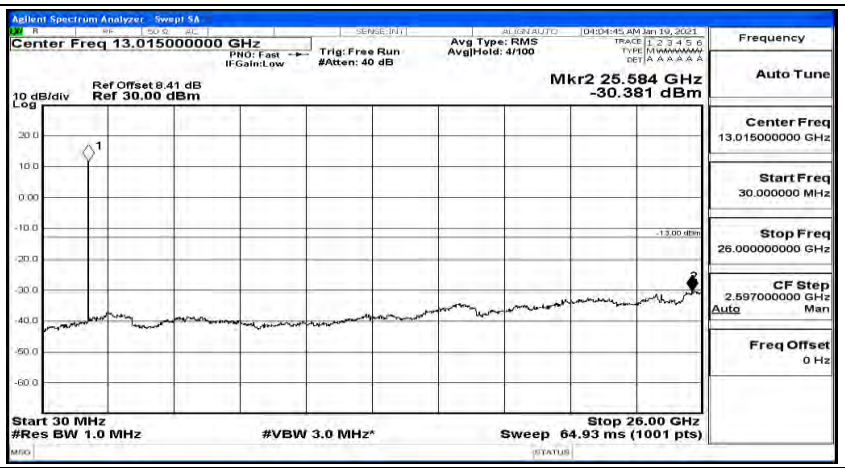


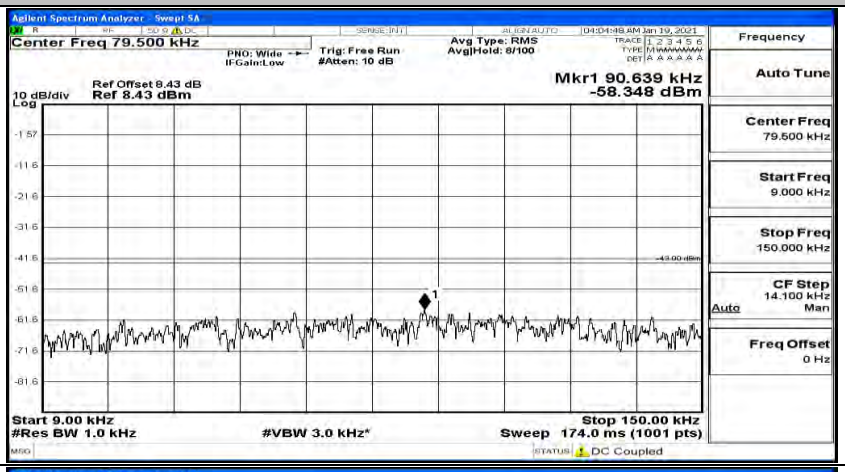

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

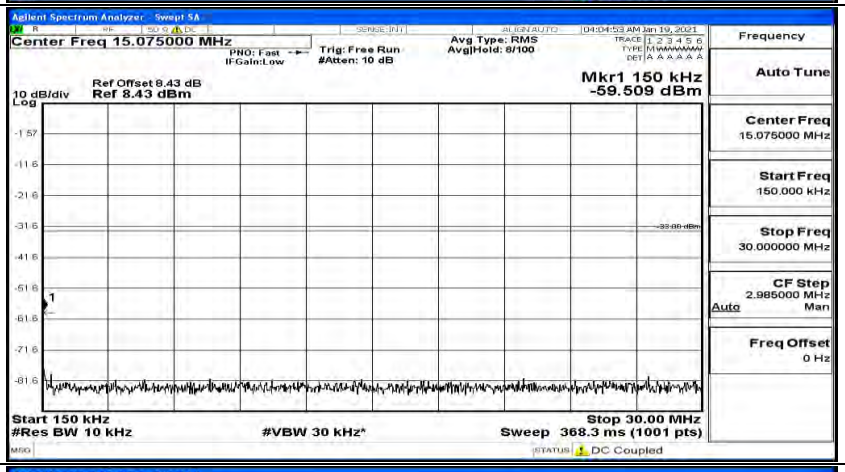


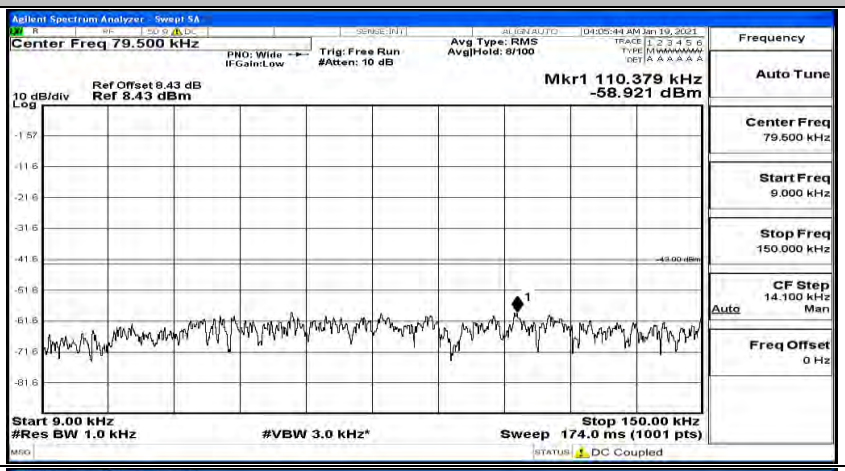


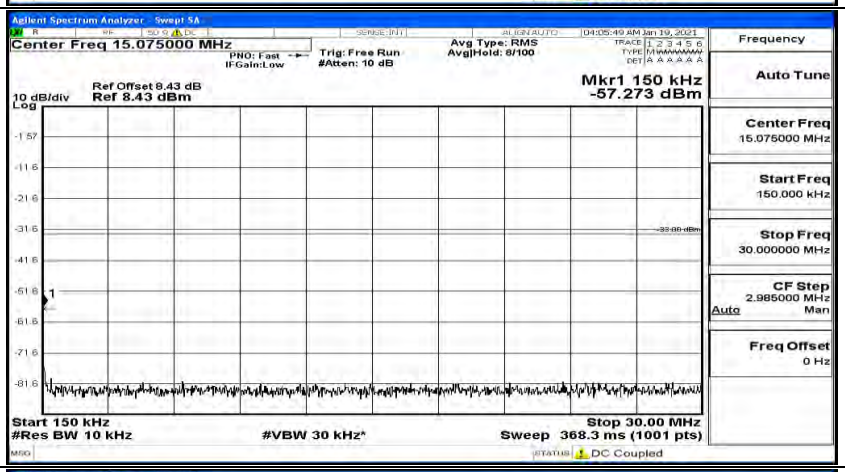

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



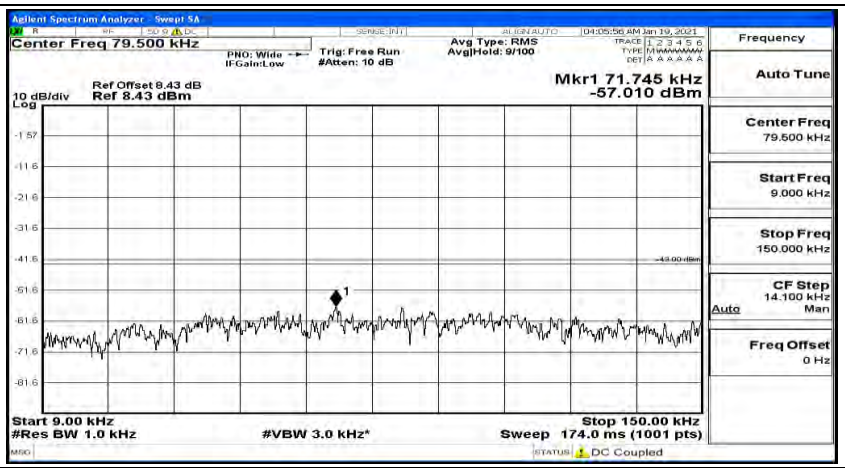



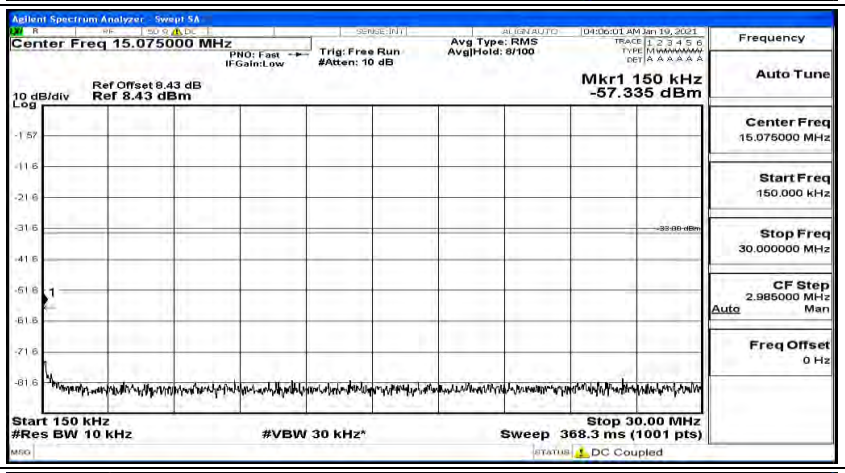
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

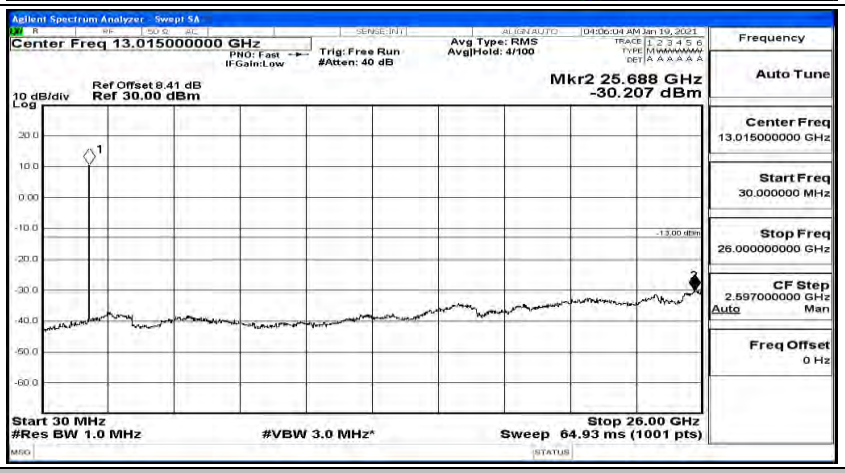


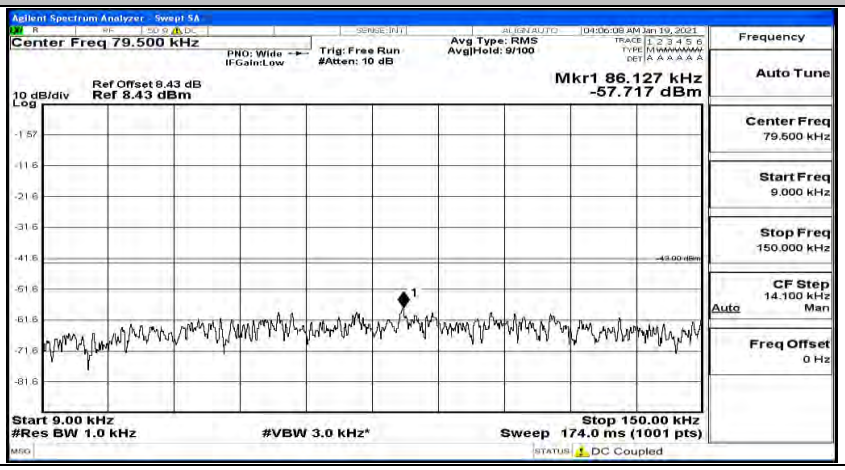
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

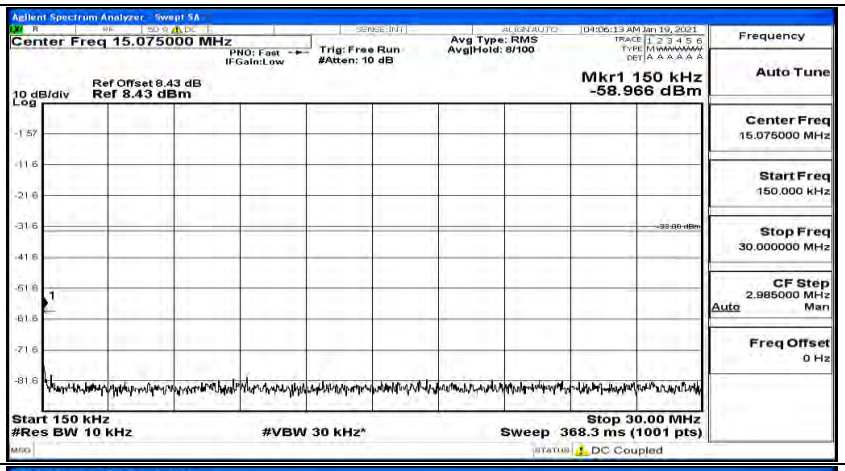


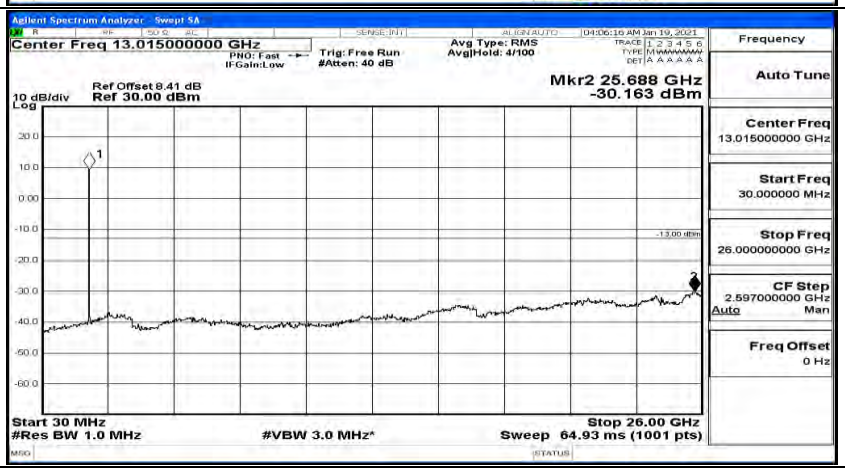



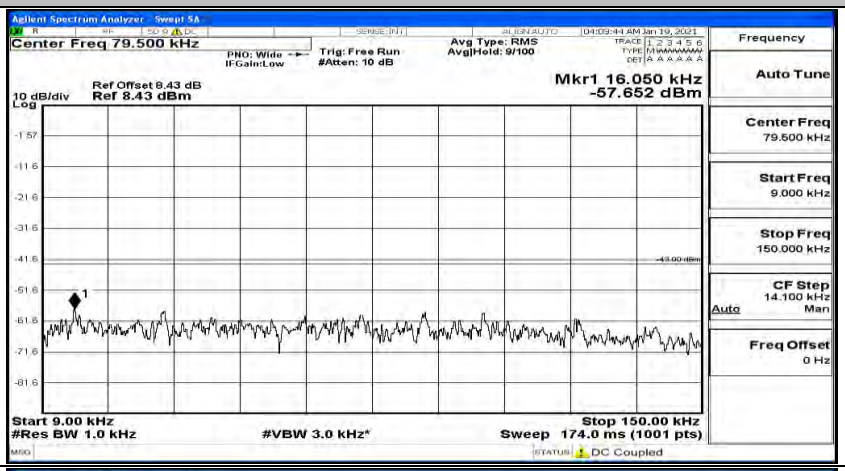

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

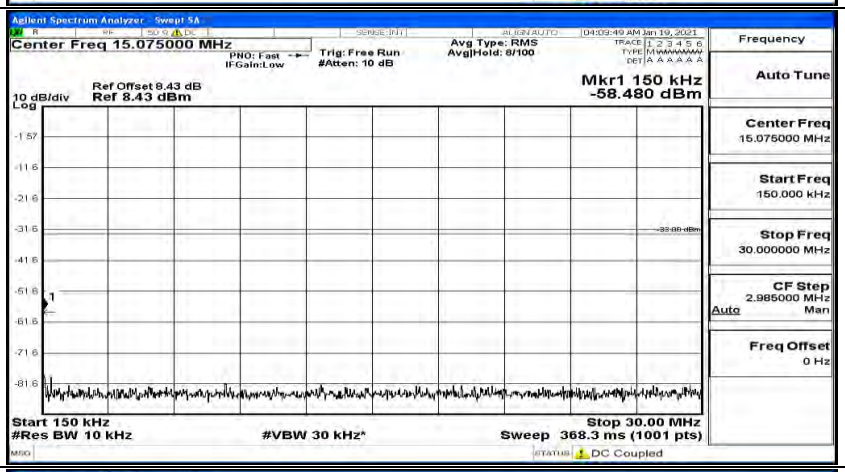


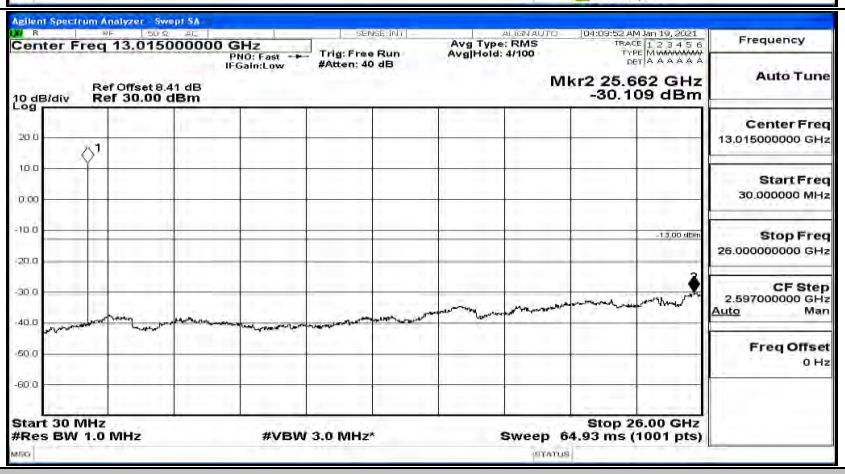

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
04:06:13 AM Jan 19, 2021
Ref Offset 8.43 dB
10 dB/div
Ref 8.43 dBm
Log
Mkr1 150 kHz
-58.966 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 4/100
04:06:16 AM Jan 19, 2021
Ref Offset 8.41 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr2 25.688 GHz
-30.163 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

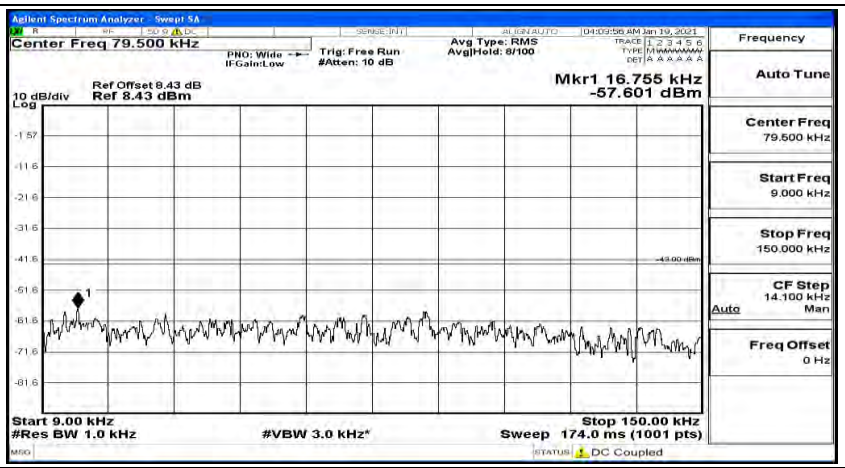
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

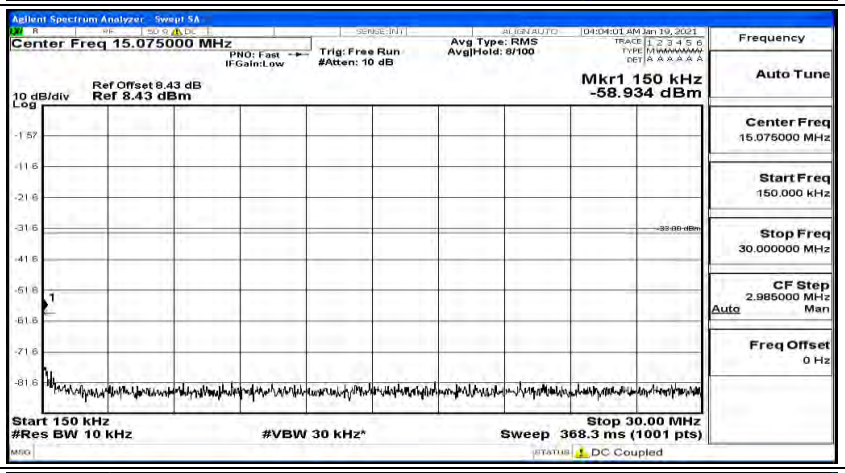


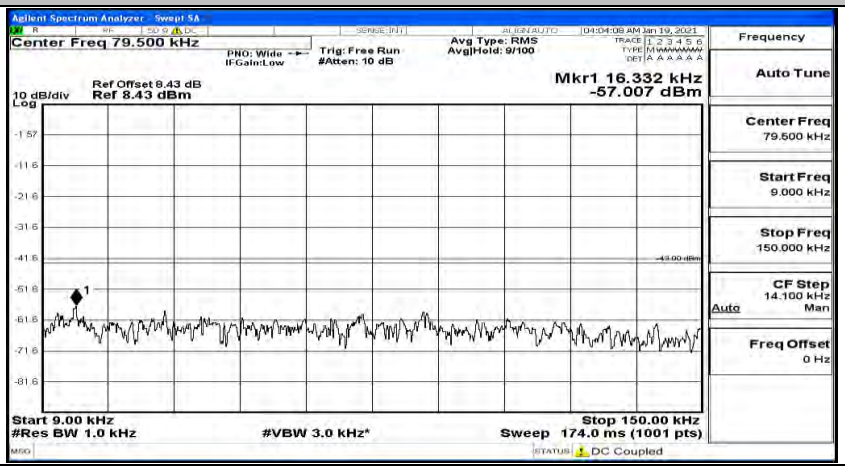



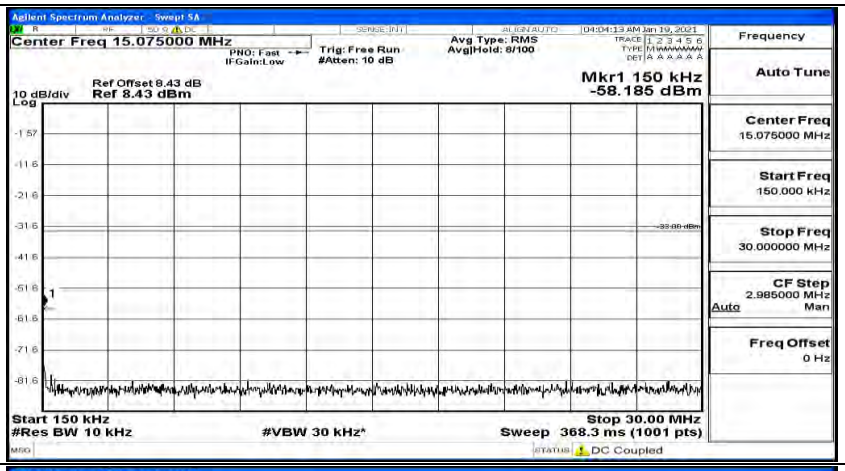

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



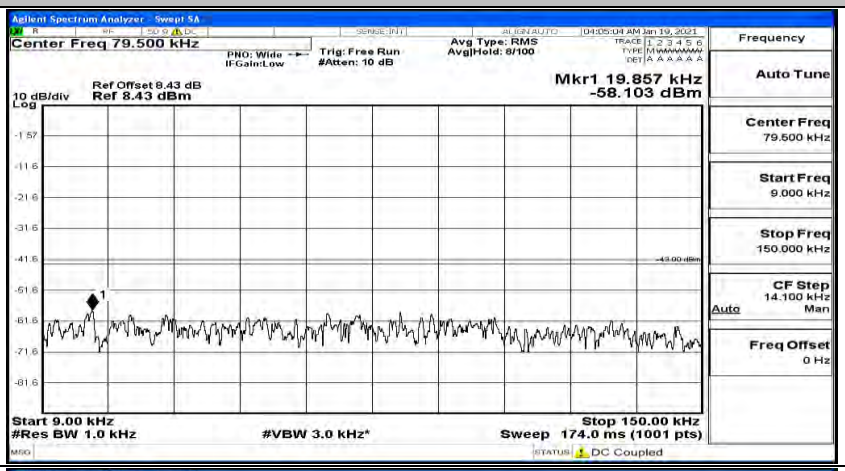
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

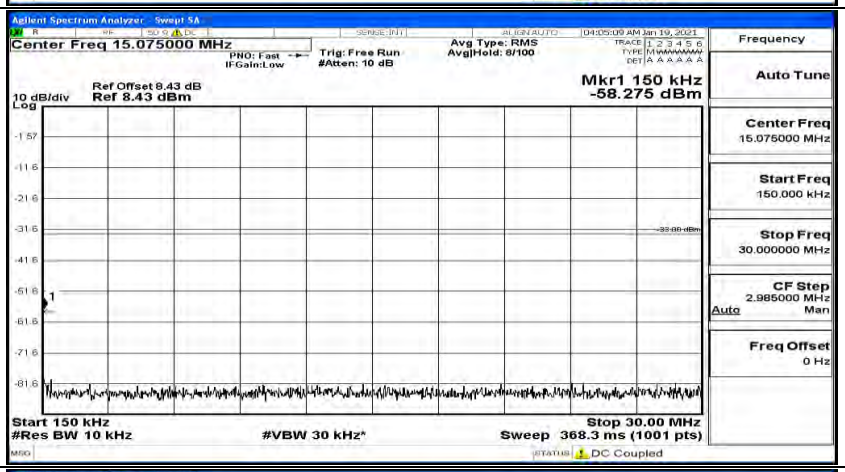


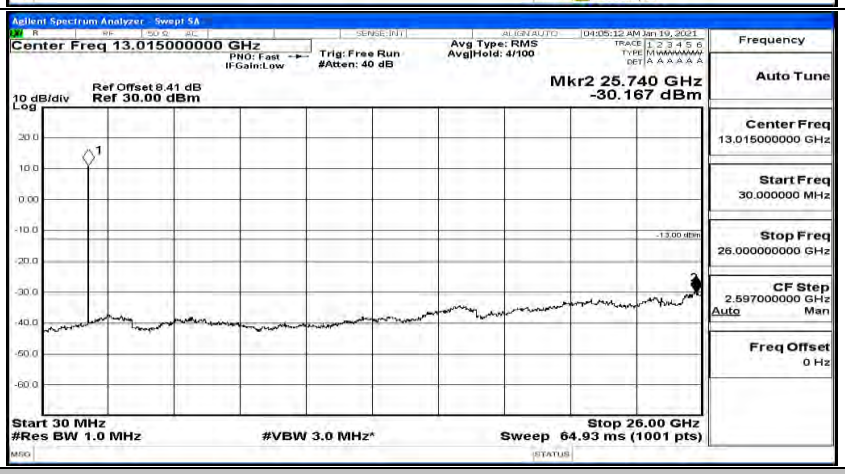

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
04:04:13 AM Jan 19, 2021
Ref Offset 8.43 dB
10 dB/div
Ref 8.43 dBm
Mkr1 150 kHz
-58.185 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 4/100
04:04:16 AM Jan 19, 2021
Ref Offset 8.41 dB
10 dB/div
Ref 30.00 dBm
Mkr2 25.948 GHz
-30.343 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

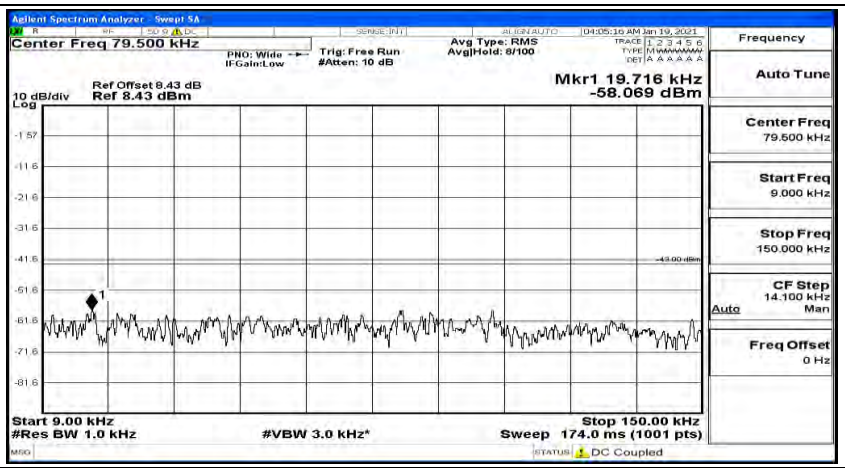
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

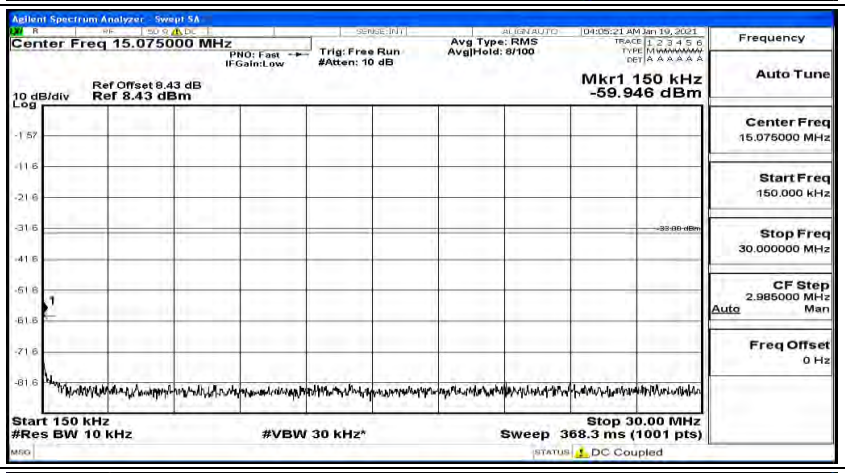


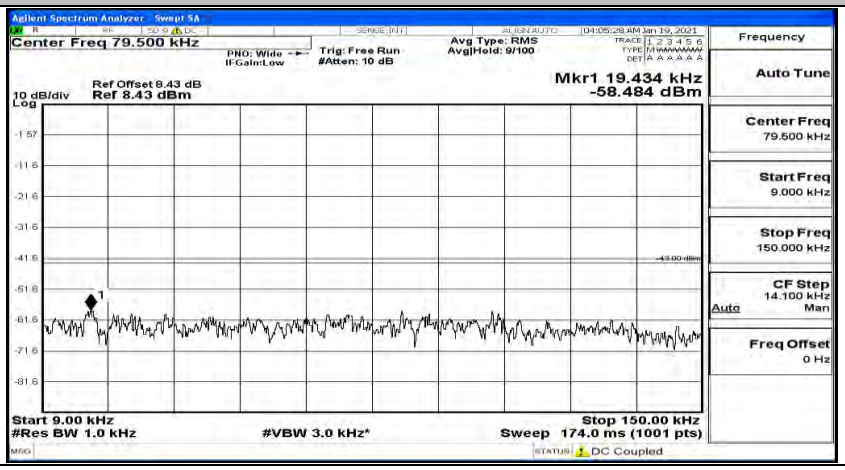



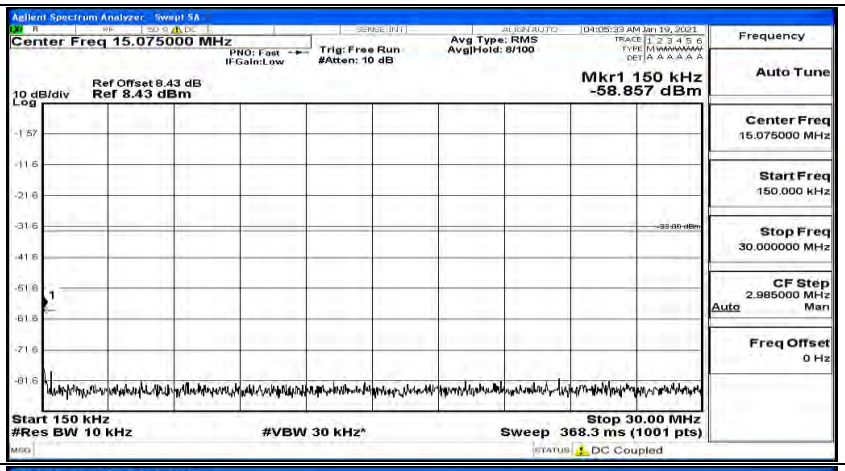

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



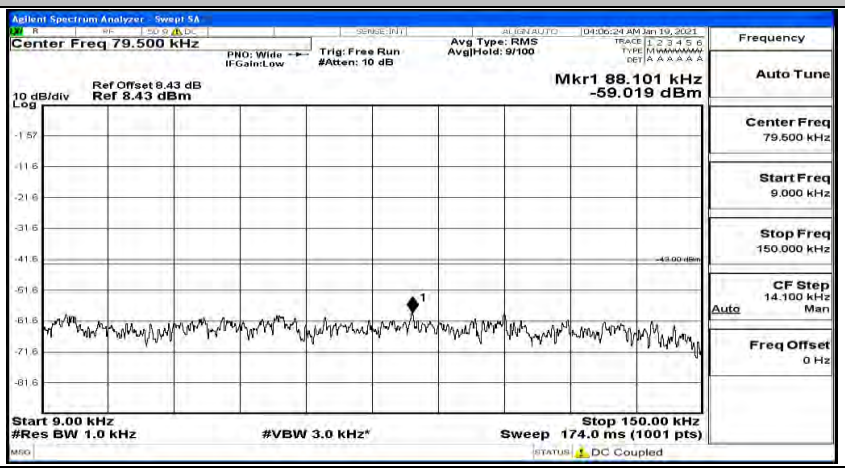



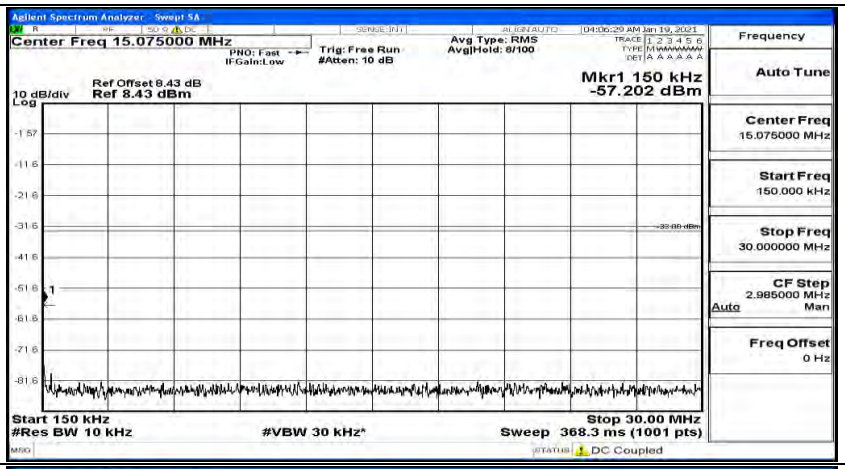
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

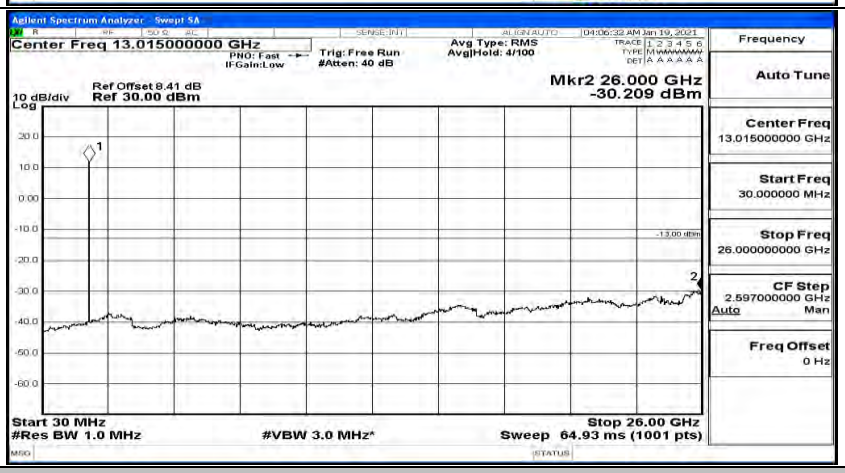




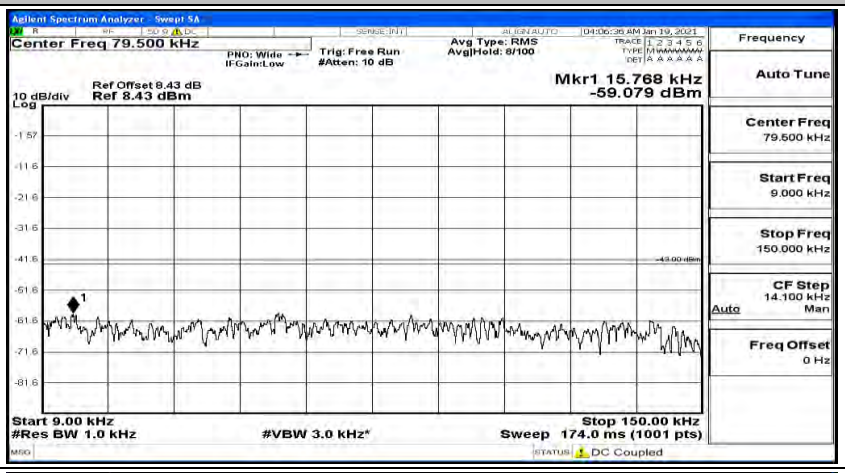
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

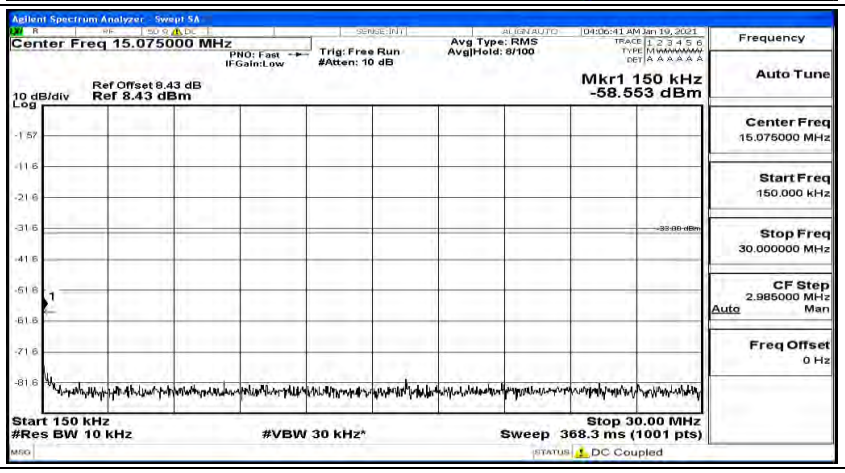


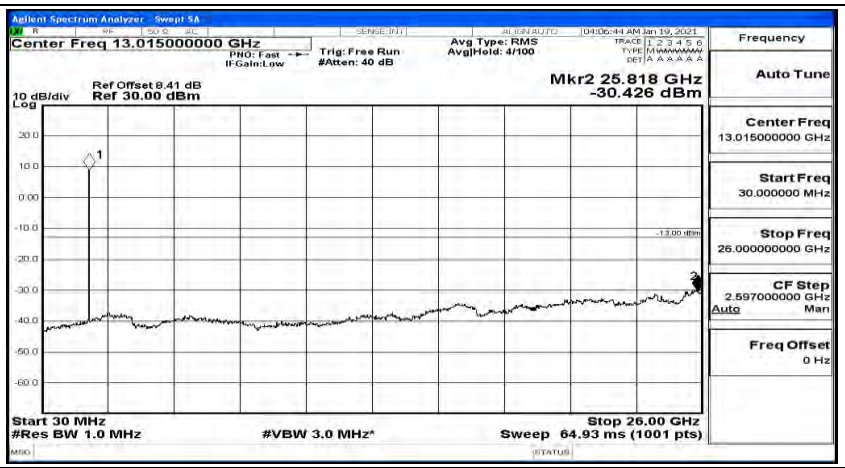


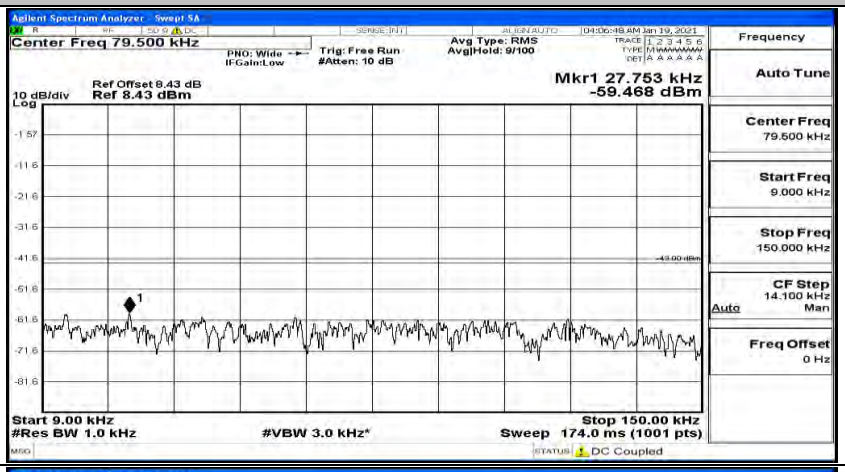

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

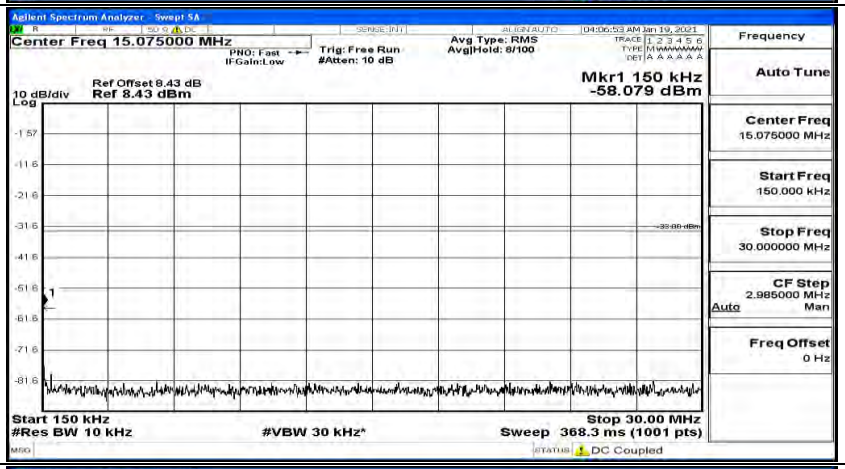




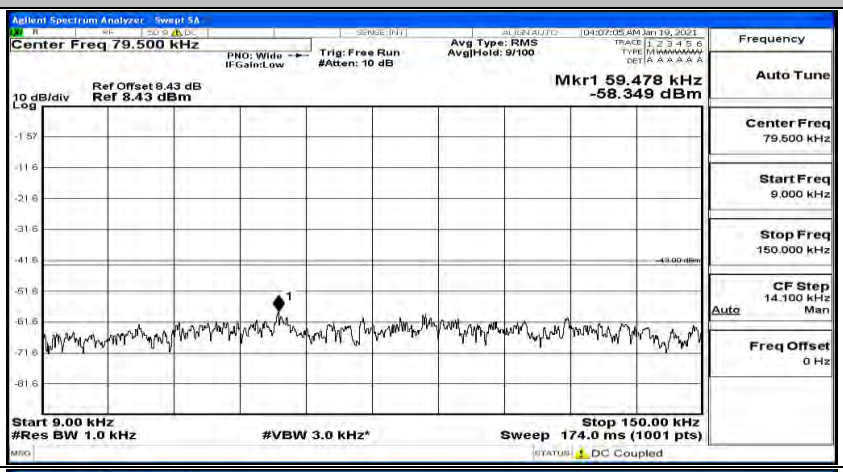

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

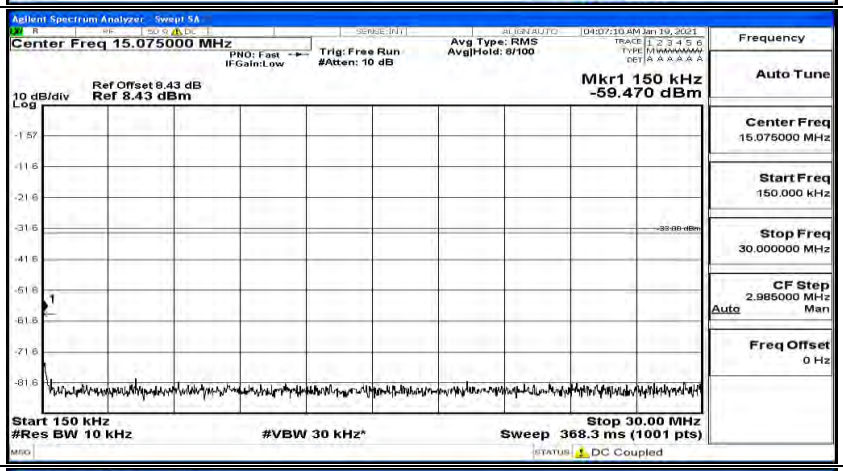


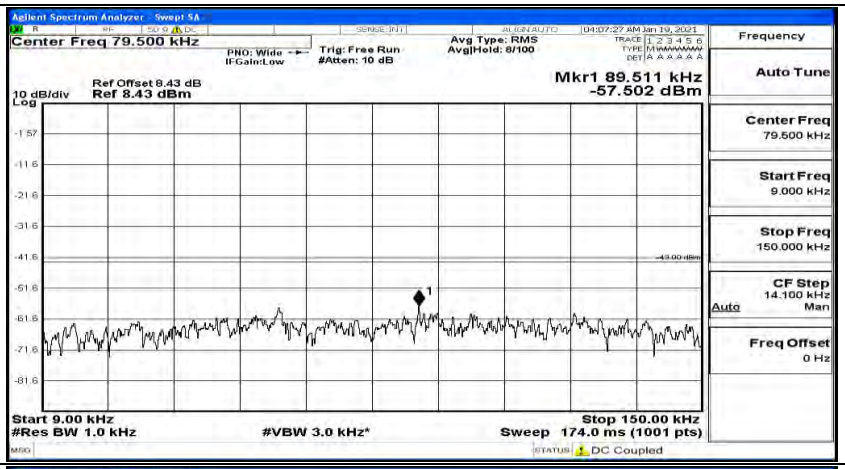
## Channel Bandwidth: 5 MHz

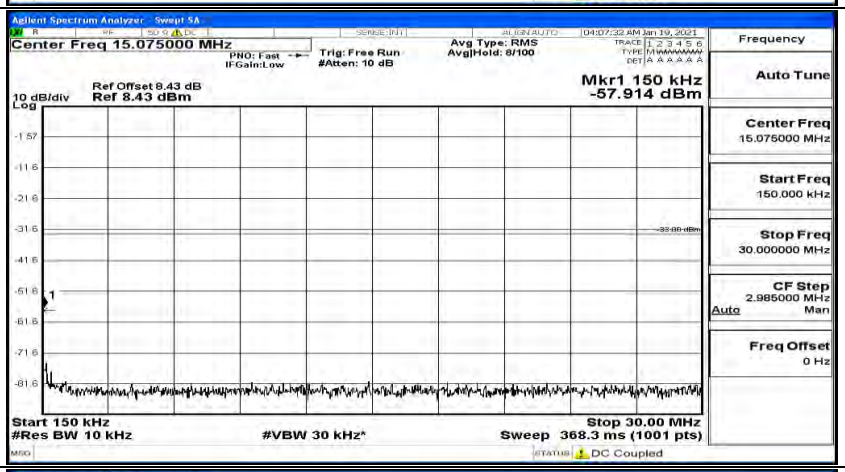
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

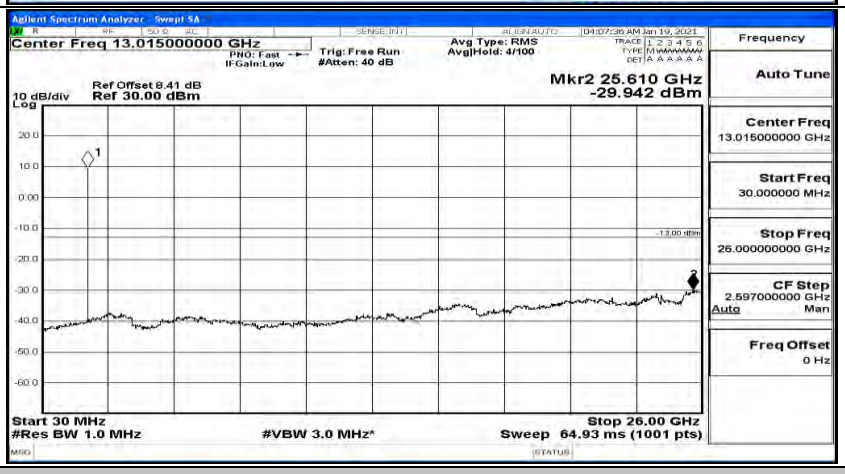


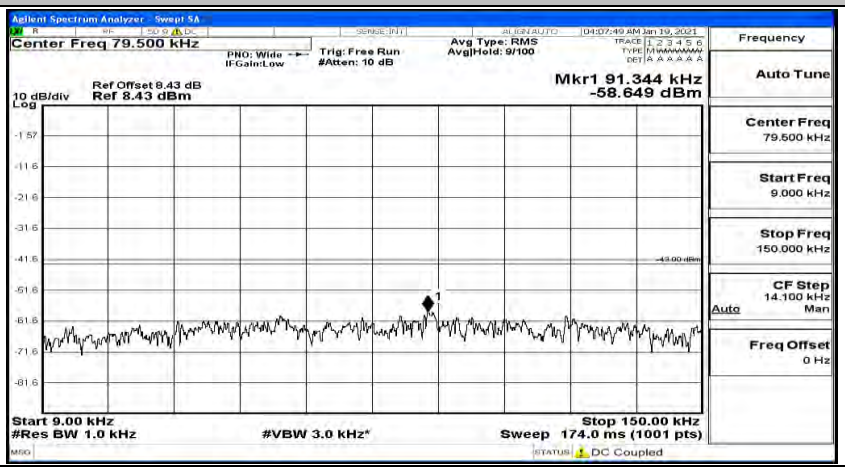



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12




(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24