

## Appendix B: Test Data for E-UTRA Band 4

Product Name: LTE GSM/WCDMA Smartphone

Trade Mark: DOOGEE

Test Model: S80

### Environmental Conditions

|                    |             |
|--------------------|-------------|
| Temperature:       | 23.6 °C     |
| Relative Humidity: | 53.6%       |
| ATM Pressure:      | 100.0 kPa   |
| Test Engineer:     | WANGCHUANG  |
| Supervised by:     | Jayden Zhuo |

### B.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      | 23.49               | 22.67               | PASS    |
|                                                                 |         | 1                | 3      | 23.59               | 22.91               | PASS    |
|                                                                 |         | 1                | 5      | 23.46               | 22.79               | PASS    |
|                                                                 |         | 3                | 0      | 23.62               | 22.75               | PASS    |
|                                                                 |         | 3                | 2      | 23.66               | 22.74               | PASS    |
|                                                                 |         | 3                | 3      | 23.62               | 22.76               | PASS    |
|                                                                 |         | 6                | 0      | 22.62               | 21.57               | PASS    |
|                                                                 | MCH     | 1                | 0      | 23.34               | 22.71               | PASS    |
|                                                                 |         | 1                | 3      | 23.37               | 22.84               | PASS    |
|                                                                 |         | 1                | 5      | 23.34               | 22.67               | PASS    |
|                                                                 |         | 3                | 0      | 23.43               | 22.40               | PASS    |
|                                                                 |         | 3                | 2      | 23.43               | 22.43               | PASS    |
|                                                                 |         | 3                | 3      | 23.41               | 22.43               | PASS    |
|                                                                 |         | 6                | 0      | 22.40               | 21.32               | PASS    |
|                                                                 | HCH     | 1                | 0      | 22.97               | 22.22               | PASS    |
|                                                                 |         | 1                | 3      | 23.16               | 22.39               | PASS    |
|                                                                 |         | 1                | 5      | 23.02               | 22.25               | PASS    |
|                                                                 |         | 3                | 0      | 23.10               | 22.16               | PASS    |
|                                                                 |         | 3                | 2      | 23.16               | 22.16               | PASS    |
|                                                                 |         | 3                | 3      | 23.16               | 22.19               | PASS    |
|                                                                 |         | 6                | 0      | 22.11               | 21.16               | 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 /<br>16QAM | LCH     | 1                | 0      | 23.58               | 22.83               | PASS    |
|                 |         | 1                | 7      | 23.80               | 23.07               | PASS    |
|                 |         | 1                | 14     | 23.59               | 22.86               | PASS    |
|                 |         | 8                | 0      | 22.62               | 21.69               | PASS    |
|                 |         | 8                | 4      | 22.65               | 21.72               | PASS    |
|                 |         | 8                | 7      | 22.62               | 21.73               | PASS    |
|                 |         | 15               | 0      | 22.64               | 21.60               | PASS    |
|                 | MCH     | 1                | 0      | 23.39               | 22.65               | PASS    |
|                 |         | 1                | 7      | 23.58               | 22.81               | PASS    |
|                 |         | 1                | 14     | 23.38               | 22.56               | PASS    |
|                 |         | 8                | 0      | 22.42               | 21.42               | PASS    |
|                 |         | 8                | 4      | 22.46               | 21.54               | PASS    |
|                 |         | 8                | 7      | 22.39               | 21.46               | PASS    |
|                 |         | 15               | 0      | 22.38               | 21.34               | PASS    |
|                 | HCH     | 1                | 0      | 23.14               | 22.45               | PASS    |
|                 |         | 1                | 7      | 23.34               | 22.50               | PASS    |
|                 |         | 1                | 14     | 23.12               | 22.42               | PASS    |
|                 |         | 8                | 0      | 22.14               | 21.13               | PASS    |
|                 |         | 8                | 4      | 22.19               | 21.13               | PASS    |
|                 |         | 8                | 7      | 22.10               | 21.09               | PASS    |
|                 |         | 15               | 0      | 22.05               | 21.08               | PASS    |

## 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 /<br>16QAM | LCH     | 1                | 0      | 23.51               | 22.89               | PASS    |
|                 |         | 1                | 12     | 23.84               | 23.22               | PASS    |
|                 |         | 1                | 24     | 23.51               | 22.91               | PASS    |
|                 |         | 12               | 0      | 22.63               | 21.78               | PASS    |
|                 |         | 12               | 6      | 22.67               | 21.87               | PASS    |
|                 |         | 12               | 13     | 22.66               | 21.85               | PASS    |
|                 |         | 25               | 0      | 22.66               | 21.72               | PASS    |
|                 | MCH     | 1                | 0      | 23.35               | 22.72               | PASS    |
|                 |         | 1                | 12     | 23.65               | 22.80               | PASS    |
|                 |         | 1                | 24     | 23.29               | 22.57               | PASS    |
|                 |         | 12               | 0      | 22.41               | 21.57               | PASS    |
|                 |         | 12               | 6      | 22.46               | 21.60               | PASS    |
|                 |         | 12               | 13     | 22.42               | 21.55               | PASS    |
|                 |         | 25               | 0      | 22.41               | 21.42               | PASS    |
|                 | HCH     | 1                | 0      | 23.15               | 22.09               | PASS    |
|                 |         | 1                | 12     | 23.41               | 22.36               | PASS    |
|                 |         | 1                | 24     | 23.02               | 21.99               | PASS    |
|                 |         | 12               | 0      | 22.17               | 21.23               | PASS    |
|                 |         | 12               | 6      | 22.16               | 21.23               | PASS    |
|                 |         | 12               | 13     | 22.06               | 21.10               | PASS    |
|                 |         | 25               | 0      | 22.16               | 21.16               | PASS    |

## 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 /<br>16QAM | LCH     | 1                | 0      | 23.56               | 22.83               | PASS    |
|                 |         | 1                | 24     | 23.78               | 23.04               | PASS    |
|                 |         | 1                | 49     | 23.59               | 22.95               | PASS    |
|                 |         | 25               | 0      | 22.73               | 21.72               | PASS    |
|                 |         | 25               | 12     | 22.67               | 21.69               | PASS    |
|                 |         | 25               | 25     | 22.77               | 21.79               | PASS    |
|                 |         | 50               | 0      | 22.76               | 21.75               | PASS    |
|                 | MCH     | 1                | 0      | 23.43               | 22.71               | PASS    |
|                 |         | 1                | 24     | 23.56               | 22.79               | PASS    |
|                 |         | 1                | 49     | 23.34               | 22.57               | PASS    |
|                 |         | 25               | 0      | 22.49               | 21.50               | PASS    |
|                 |         | 25               | 12     | 22.48               | 21.45               | PASS    |
|                 |         | 25               | 25     | 22.45               | 21.45               | PASS    |
|                 |         | 50               | 0      | 22.45               | 21.44               | PASS    |
|                 | HCH     | 1                | 0      | 23.36               | 22.67               | PASS    |
|                 |         | 1                | 24     | 23.37               | 22.72               | PASS    |
|                 |         | 1                | 49     | 23.03               | 22.43               | PASS    |
|                 |         | 25               | 0      | 22.45               | 21.43               | PASS    |
|                 |         | 25               | 12     | 22.27               | 21.31               | PASS    |
|                 |         | 25               | 25     | 22.13               | 21.15               | PASS    |
|                 |         | 50               | 0      | 22.30               | 21.33               | 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 /<br>16QAM | LCH     | 1                | 0      | 23.49               | 22.80               | PASS    |
|                 |         | 1                | 37     | 23.80               | 23.16               | PASS    |
|                 |         | 1                | 74     | 23.57               | 22.83               | PASS    |
|                 |         | 37               | 0      | 22.67               | 21.61               | PASS    |
|                 |         | 37               | 18     | 22.74               | 21.66               | PASS    |
|                 |         | 37               | 38     | 22.75               | 21.80               | PASS    |
|                 |         | 75               | 0      | 22.77               | 21.66               | PASS    |
|                 | MCH     | 1                | 0      | 23.37               | 22.69               | PASS    |
|                 |         | 1                | 37     | 23.68               | 22.81               | PASS    |
|                 |         | 1                | 74     | 23.23               | 22.47               | PASS    |
|                 |         | 37               | 0      | 22.49               | 21.48               | PASS    |
|                 |         | 37               | 18     | 22.52               | 21.50               | PASS    |
|                 |         | 37               | 38     | 22.52               | 21.47               | PASS    |
|                 |         | 75               | 0      | 22.53               | 21.50               | PASS    |
|                 | HCH     | 1                | 0      | 23.33               | 22.53               | PASS    |
|                 |         | 1                | 37     | 23.53               | 22.70               | PASS    |
|                 |         | 1                | 74     | 22.99               | 22.26               | PASS    |
|                 |         | 37               | 0      | 22.54               | 21.47               | PASS    |
|                 |         | 37               | 18     | 22.48               | 21.48               | PASS    |
|                 |         | 37               | 38     | 22.22               | 21.22               | PASS    |
|                 |         | 75               | 0      | 22.44               | 21.34               | PASS    |

## 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 /<br>16QAM | LCH     | 1                | 0      | 23.56               | 22.72               | PASS    |
|                 |         | 1                | 49     | 23.97               | 23.11               | PASS    |
|                 |         | 1                | 99     | 23.51               | 22.66               | PASS    |
|                 |         | 50               | 0      | 22.60               | 21.60               | PASS    |
|                 |         | 50               | 25     | 22.72               | 21.66               | PASS    |
|                 |         | 50               | 50     | 22.68               | 21.71               | PASS    |
|                 |         | 100              | 0      | 22.69               | 21.68               | PASS    |
|                 | MCH     | 1                | 0      | 23.50               | 22.65               | PASS    |
|                 |         | 1                | 49     | 23.69               | 22.81               | PASS    |
|                 |         | 1                | 99     | 23.34               | 22.45               | PASS    |
|                 |         | 50               | 0      | 22.42               | 21.41               | PASS    |
|                 |         | 50               | 25     | 22.45               | 21.41               | PASS    |
|                 |         | 50               | 50     | 22.35               | 21.28               | PASS    |
|                 |         | 100              | 0      | 22.38               | 21.36               | PASS    |
|                 | HCH     | 1                | 0      | 23.24               | 22.53               | PASS    |
|                 |         | 1                | 49     | 23.59               | 22.86               | PASS    |
|                 |         | 1                | 99     | 22.99               | 22.28               | PASS    |
|                 |         | 50               | 0      | 22.41               | 21.47               | PASS    |
|                 |         | 50               | 25     | 22.37               | 21.40               | PASS    |
|                 |         | 50               | 50     | 22.17               | 21.22               | PASS    |
|                 |         | 100              | 0      | 22.32               | 21.28               | PASS    |

**B.2 Peak-to-Average Ratio**

| Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz) |         |                               |               |         |
|----------------------------------------------------------------|---------|-------------------------------|---------------|---------|
| Modulation                                                     | Channel | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
| QPSK                                                           | LCH     | 5.21                          | <13           | PASS    |
|                                                                | MCH     | 5.03                          | <13           | PASS    |
|                                                                | HCH     | 4.98                          | <13           | PASS    |
| 16QAM                                                          | LCH     | 6.09                          | <13           | PASS    |
|                                                                | MCH     | 5.96                          | <13           | PASS    |
|                                                                | HCH     | 5.92                          | <13           | PASS    |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz) |         |                               |               |         |
|--------------------------------------------------------------|---------|-------------------------------|---------------|---------|
| Modulation                                                   | Channel | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
| QPSK                                                         | LCH     | 5.32                          | <13           | PASS    |
|                                                              | MCH     | 5.14                          | <13           | PASS    |
|                                                              | HCH     | 5.16                          | <13           | PASS    |
| 16QAM                                                        | LCH     | 6.19                          | <13           | PASS    |
|                                                              | MCH     | 6.09                          | <13           | PASS    |
|                                                              | HCH     | 5.95                          | <13           | PASS    |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz) |         |                               |               |         |
|--------------------------------------------------------------|---------|-------------------------------|---------------|---------|
| Modulation                                                   | Channel | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
| QPSK                                                         | LCH     | 5.38                          | <13           | PASS    |
|                                                              | MCH     | 5.16                          | <13           | PASS    |
|                                                              | HCH     | 5.07                          | <13           | PASS    |
| 16QAM                                                        | LCH     | 6.22                          | <13           | PASS    |
|                                                              | MCH     | 5.97                          | <13           | PASS    |
|                                                              | HCH     | 5.93                          | <13           | PASS    |

| Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz) |         |                               |               |         |
|---------------------------------------------------------------|---------|-------------------------------|---------------|---------|
| Modulation                                                    | Channel | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
| QPSK                                                          | LCH     | 5.51                          | <13           | PASS    |
|                                                               | MCH     | 5.25                          | <13           | PASS    |
|                                                               | HCH     | 5.2                           | <13           | PASS    |
| 16QAM                                                         | LCH     | 6.22                          | <13           | PASS    |
|                                                               | MCH     | 6.02                          | <13           | PASS    |
|                                                               | HCH     | 5.96                          | <13           | PASS    |

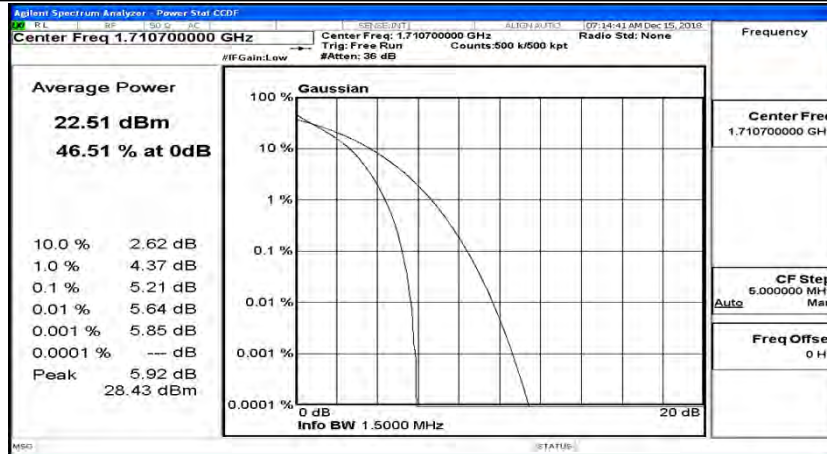
**Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)**

| Modulation | Channel | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
|------------|---------|-------------------------------|---------------|---------|
| QPSK       | LCH     | 5.05                          | <13           | PASS    |
|            | MCH     | 4.98                          | <13           | PASS    |
|            | HCH     | 4.96                          | <13           | PASS    |
| 16QAM      | LCH     | 6.31                          | <13           | PASS    |
|            | MCH     | 6.23                          | <13           | PASS    |
|            | HCH     | 6.16                          | <13           | PASS    |

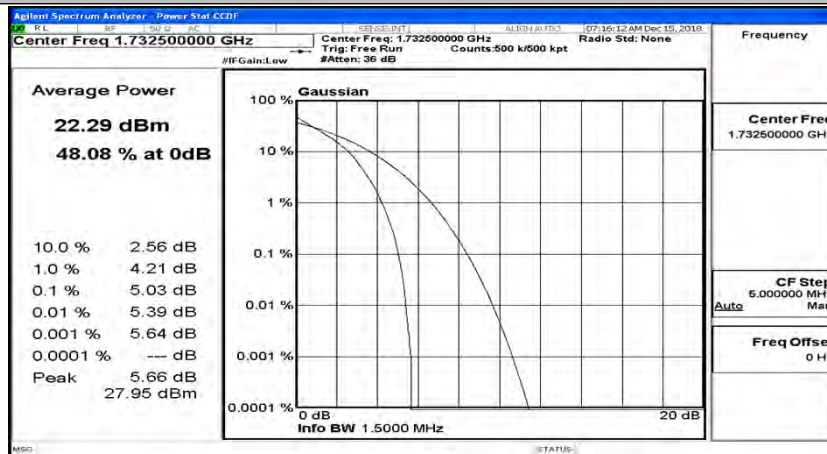
**Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)**

| Modulation | Channel | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
|------------|---------|-------------------------------|---------------|---------|
| QPSK       | LCH     | 5.72                          | <13           | PASS    |
|            | MCH     | 5.72                          | <13           | PASS    |
|            | HCH     | 5.74                          | <13           | PASS    |
| 16QAM      | LCH     | 6.8                           | <13           | PASS    |
|            | MCH     | 6.78                          | <13           | PASS    |
|            | HCH     | 6.67                          | <13           | PASS    |

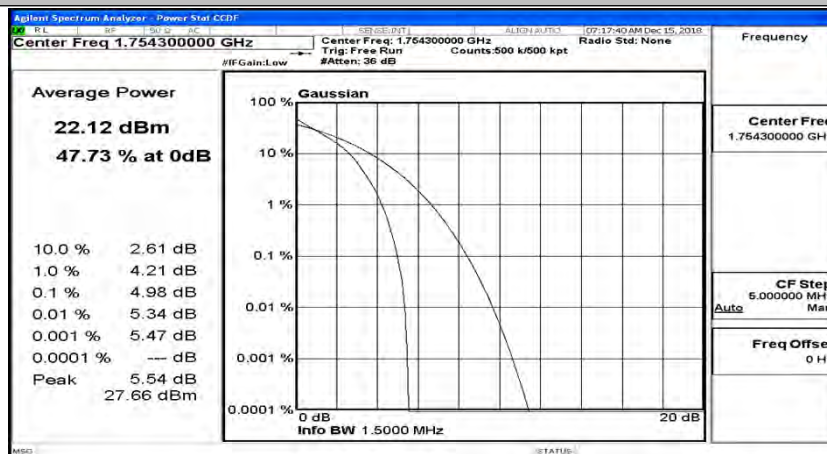
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



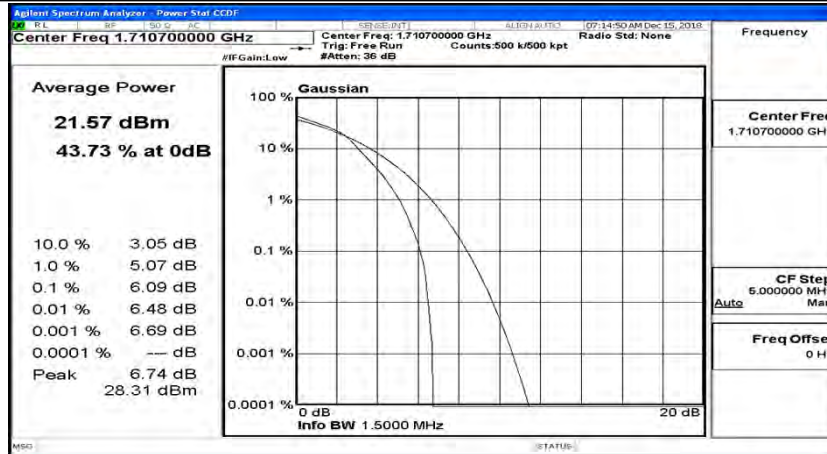
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



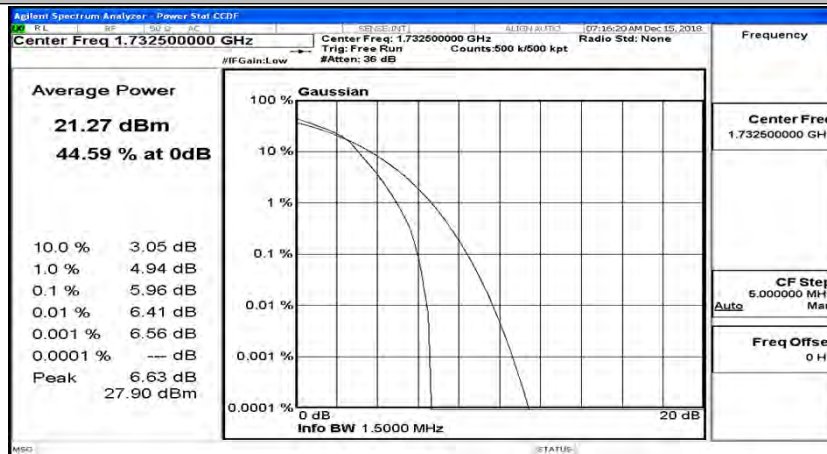
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



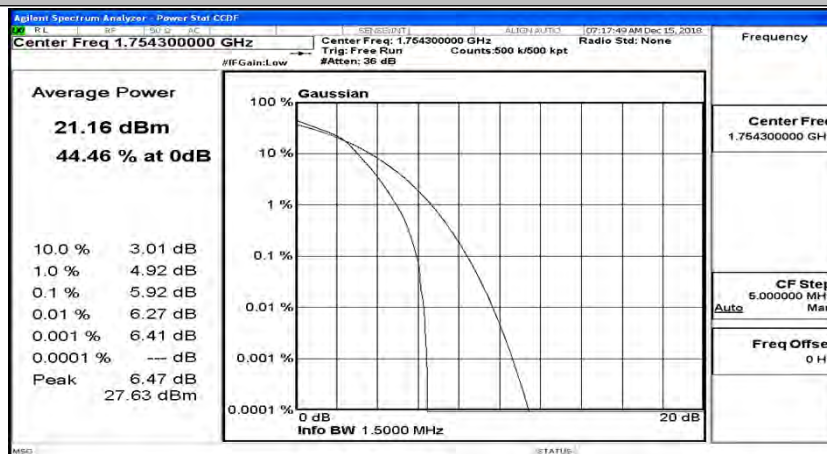
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



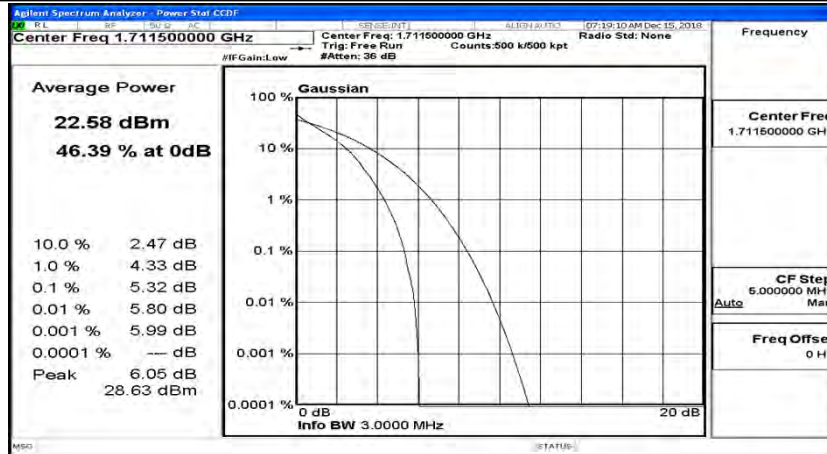
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



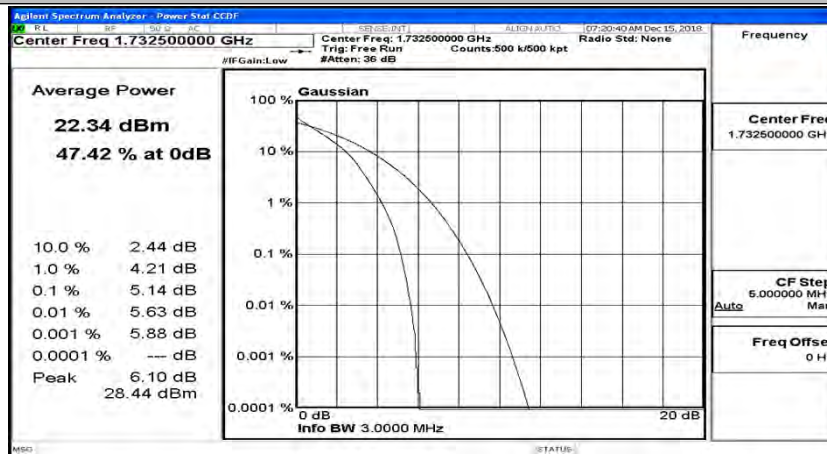
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



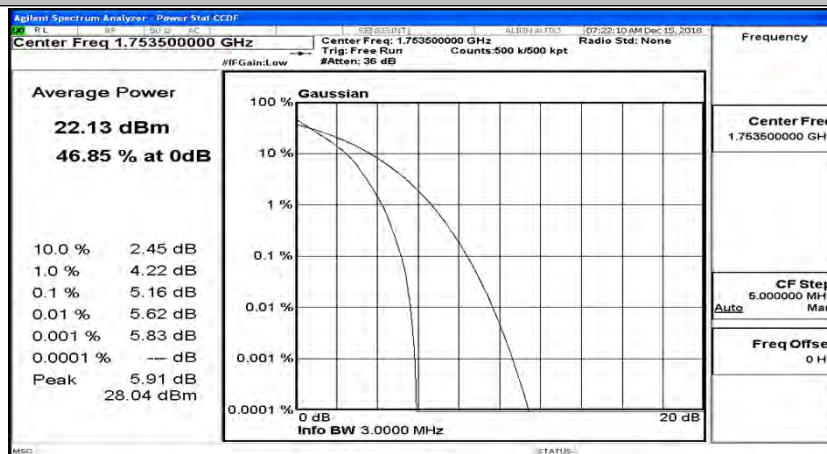
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



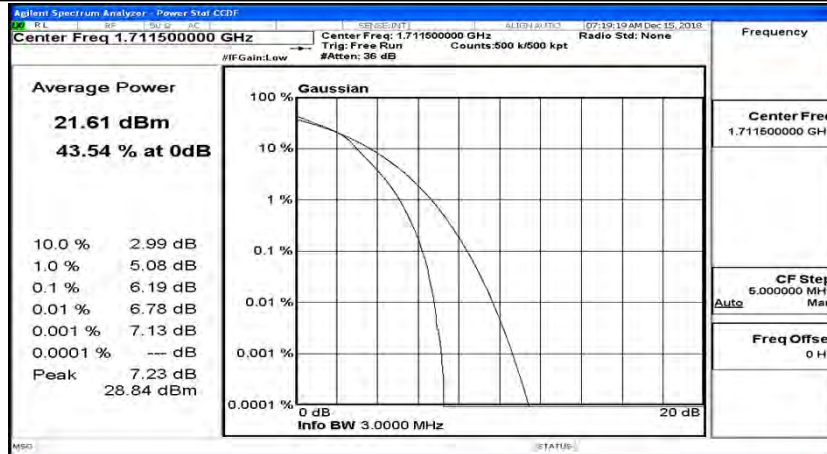
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



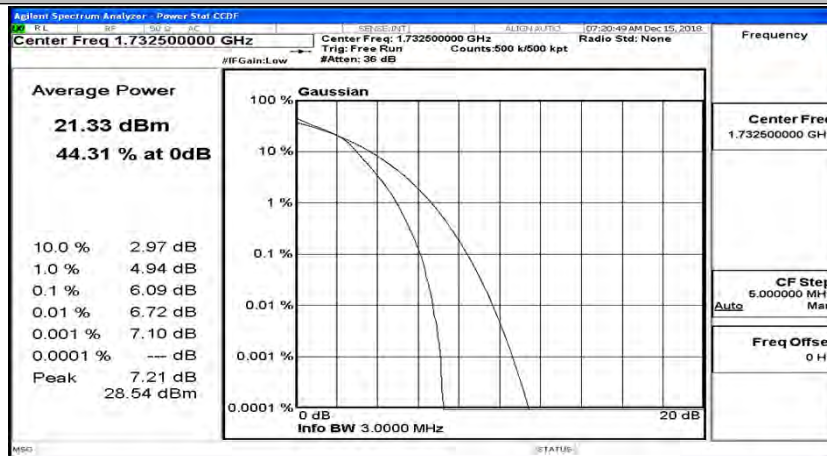
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



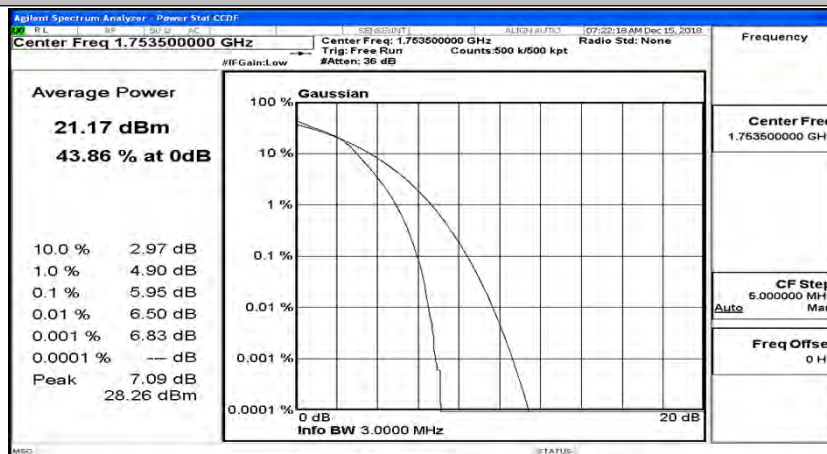
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



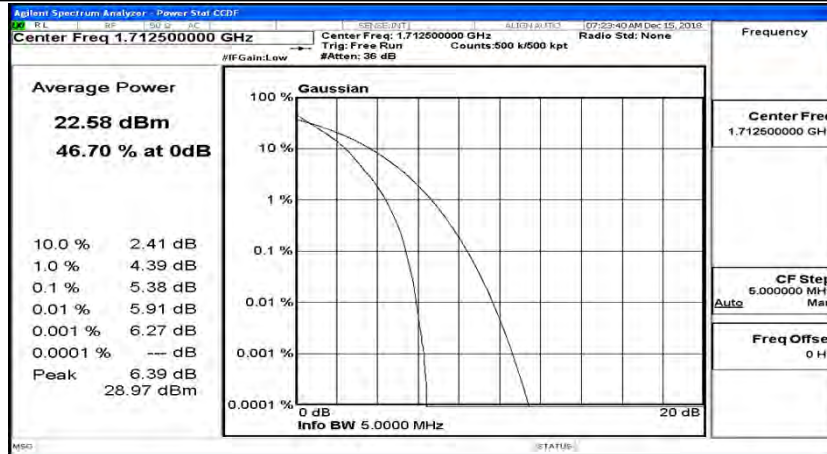
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



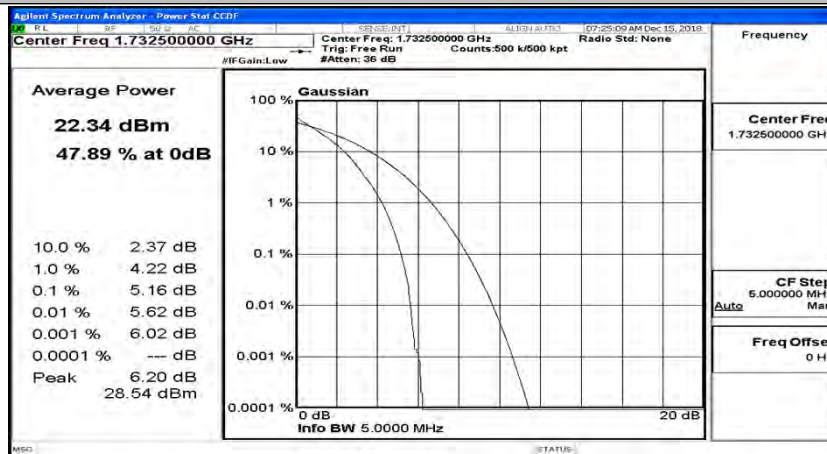
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



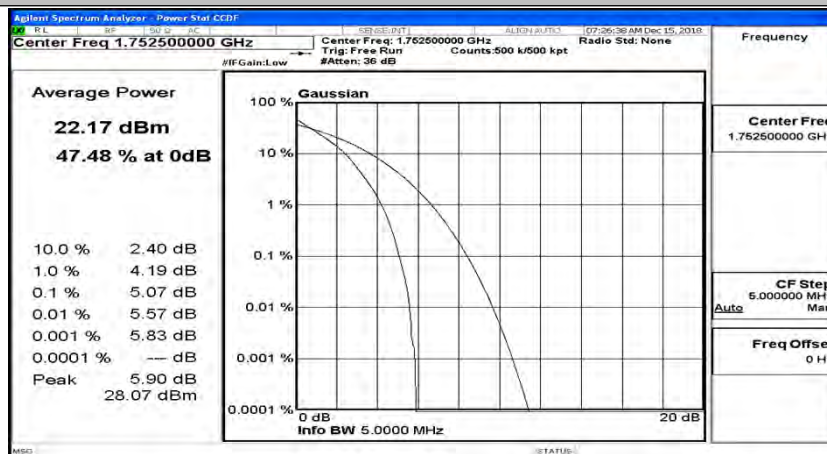
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



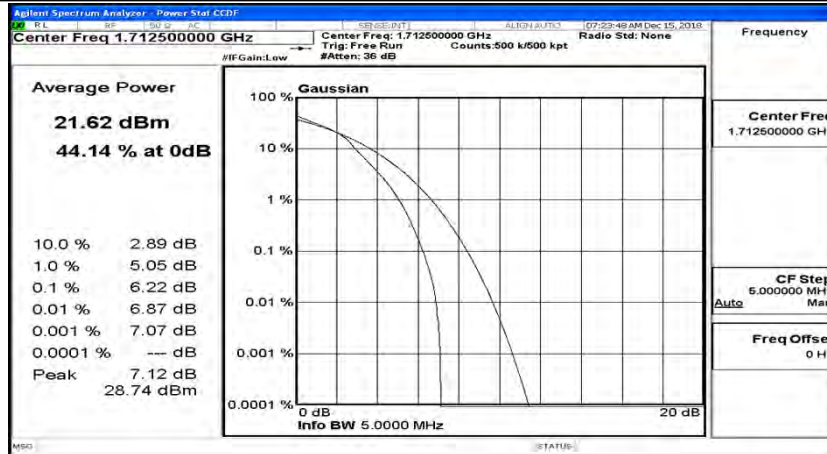
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



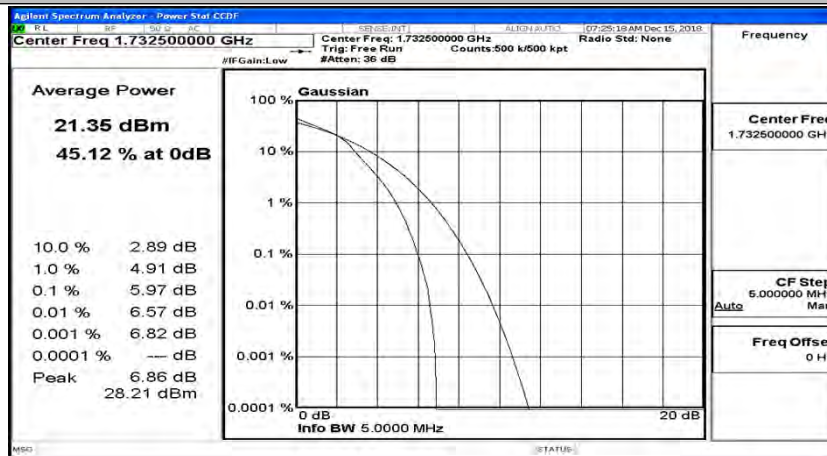
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



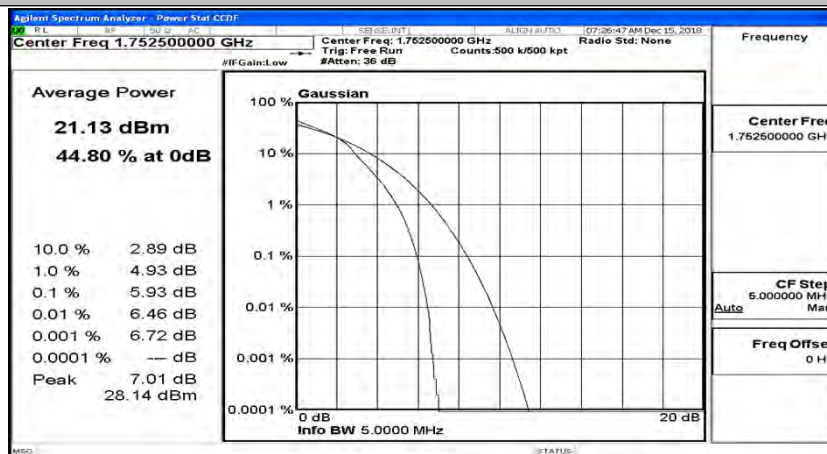
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



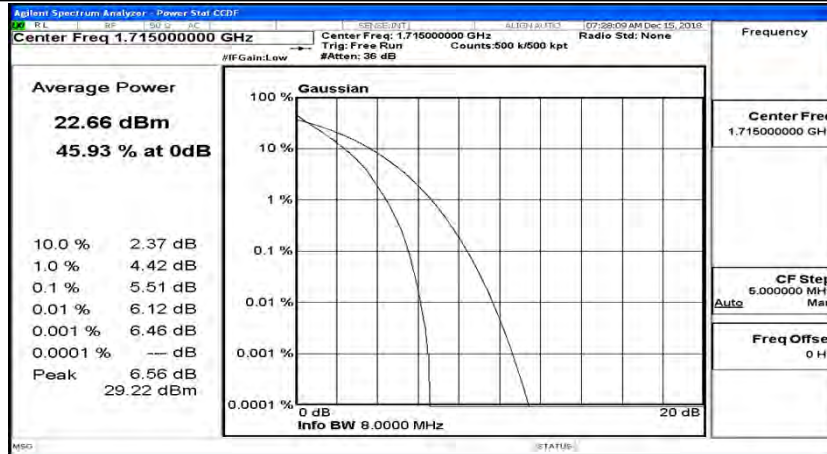
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



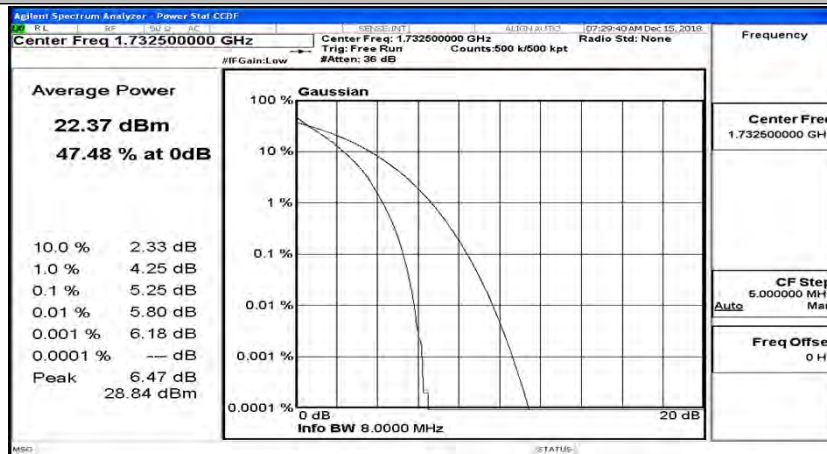
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



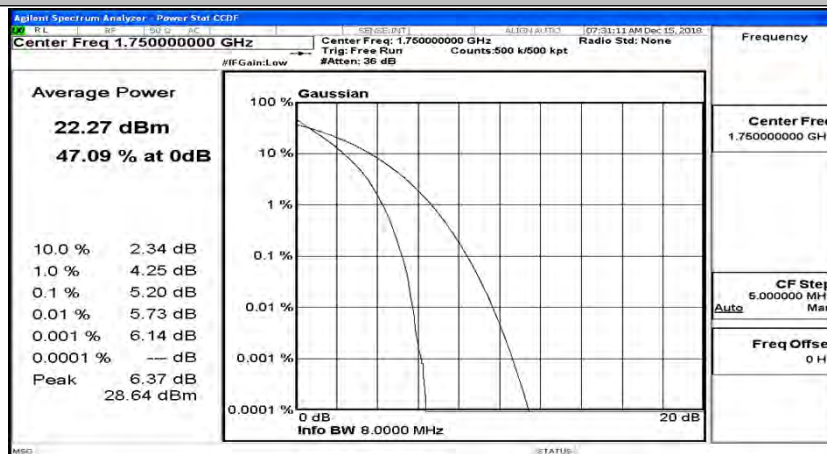
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



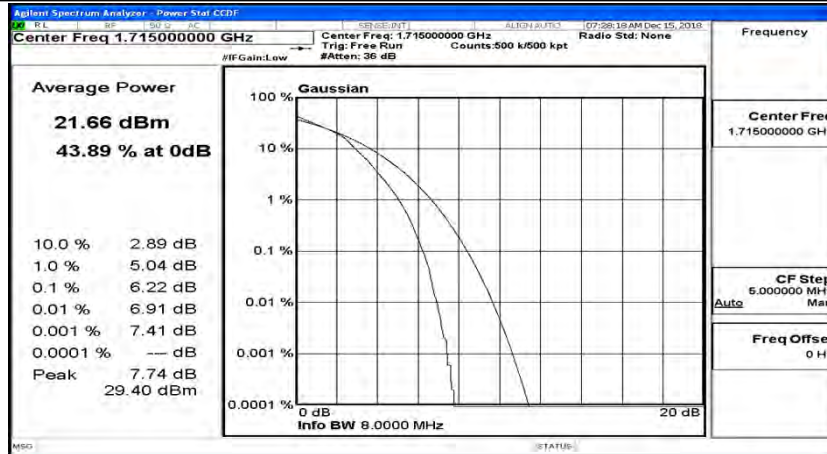
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



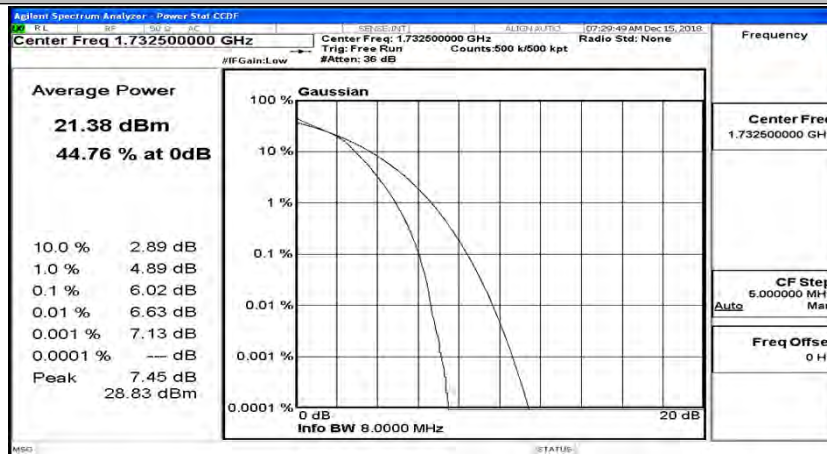
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



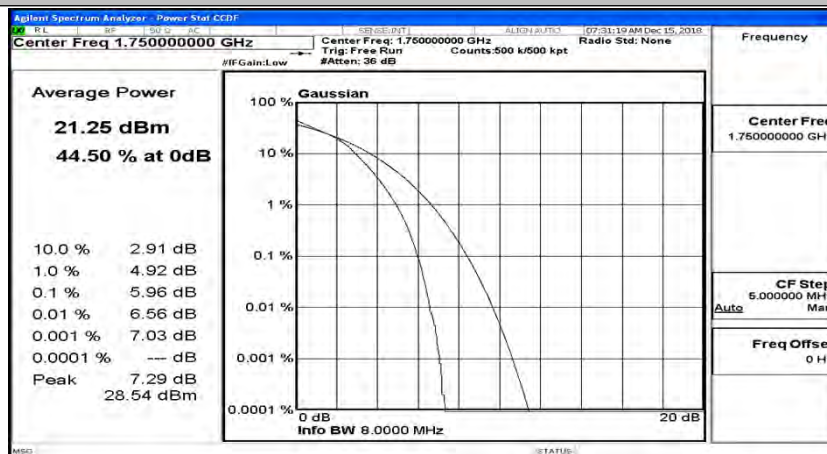
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



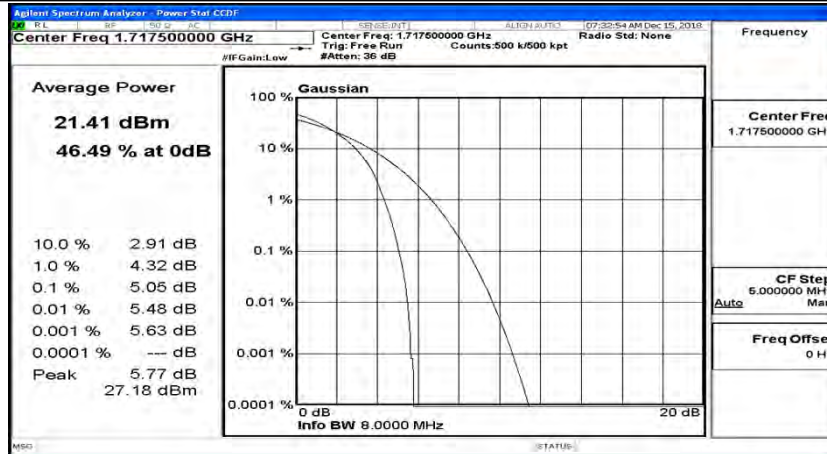
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



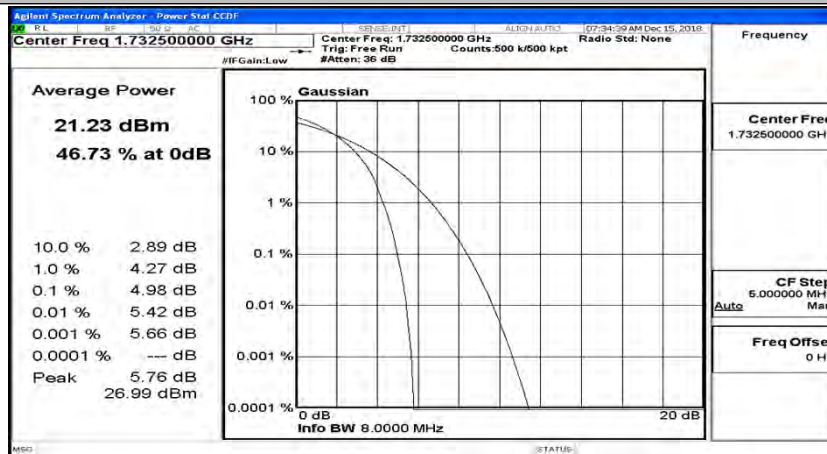
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



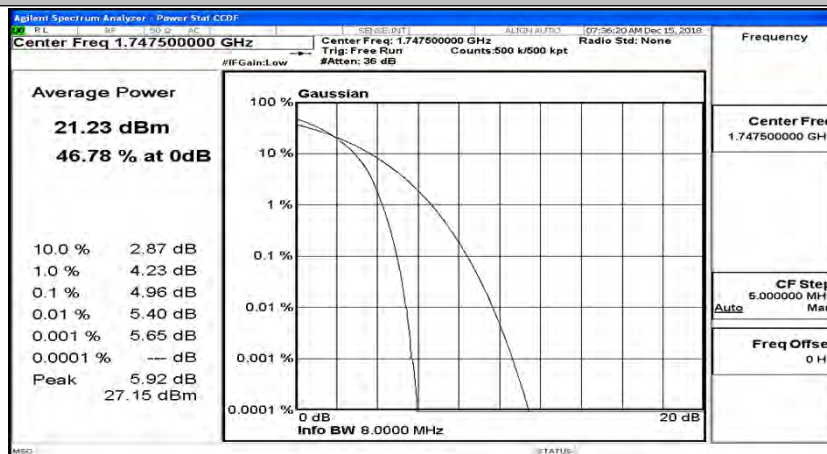
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



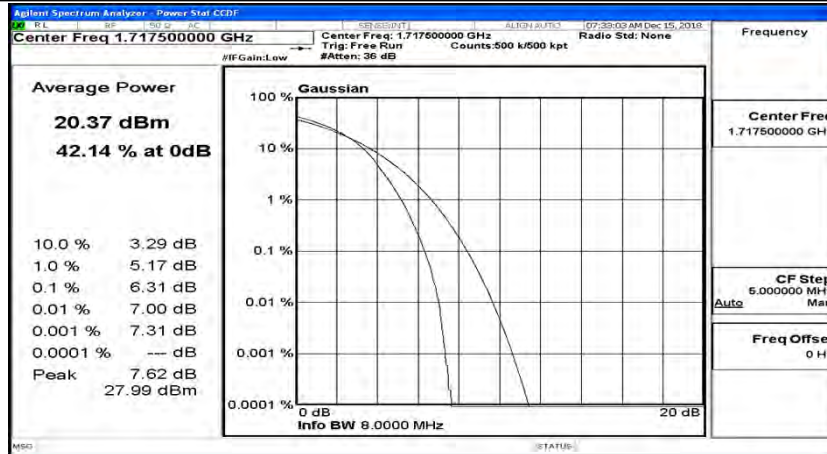
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



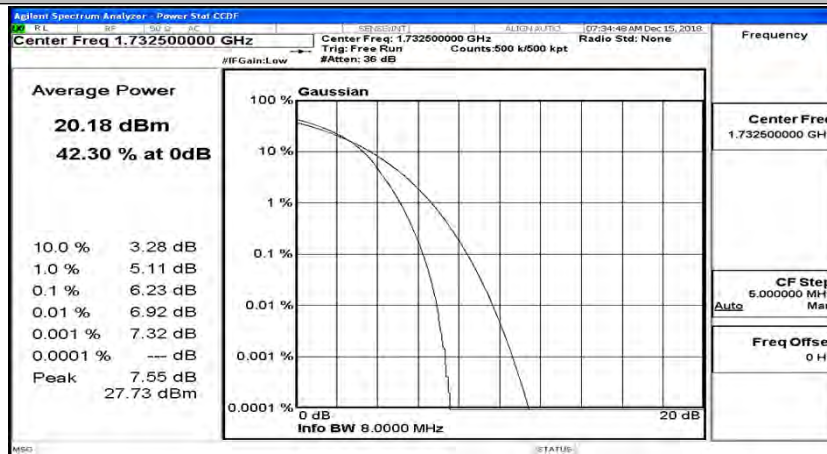
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



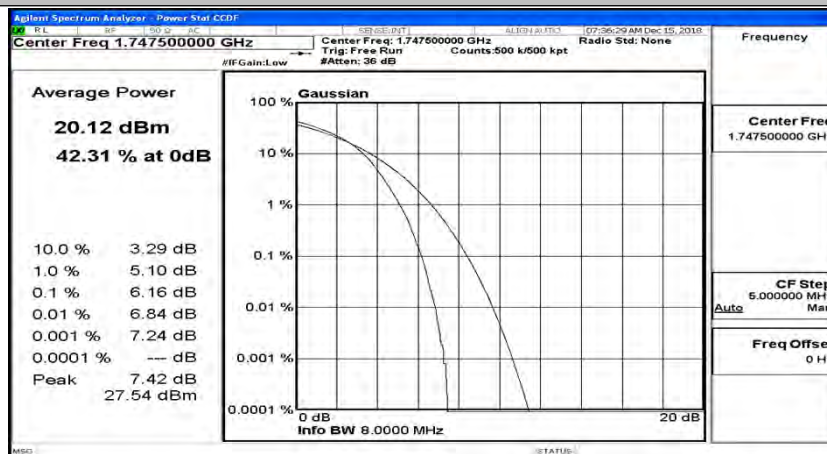
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



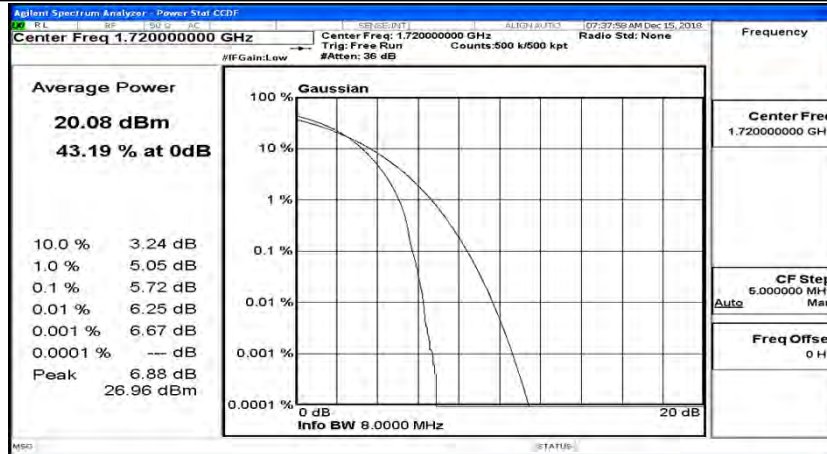
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



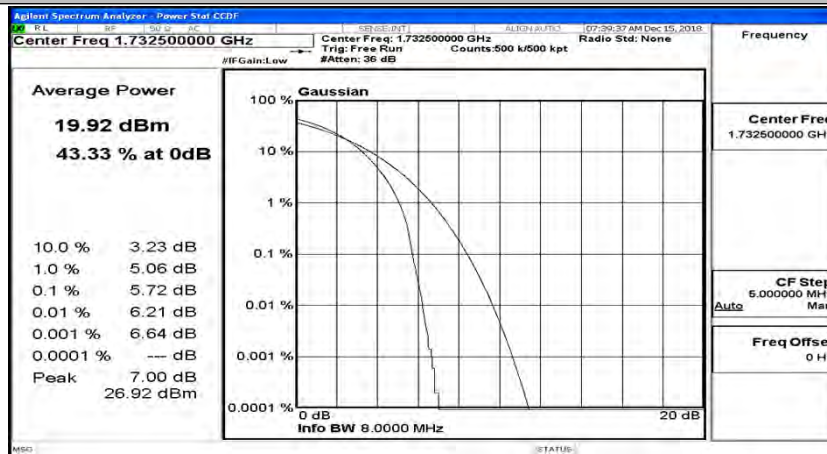
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



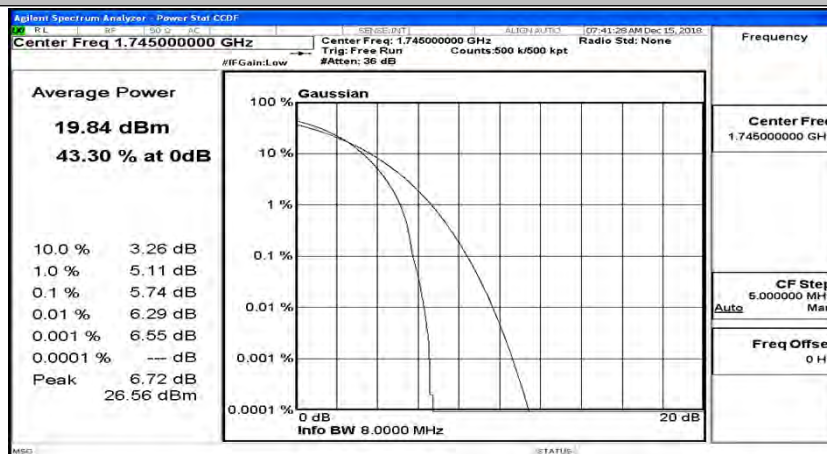
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



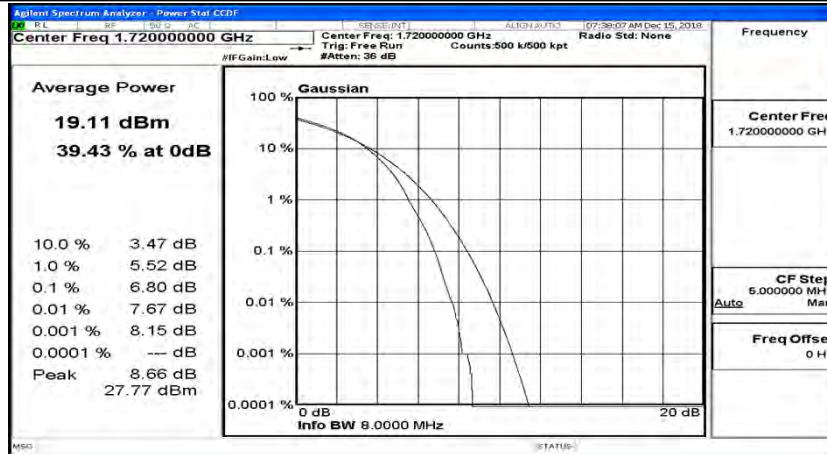
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



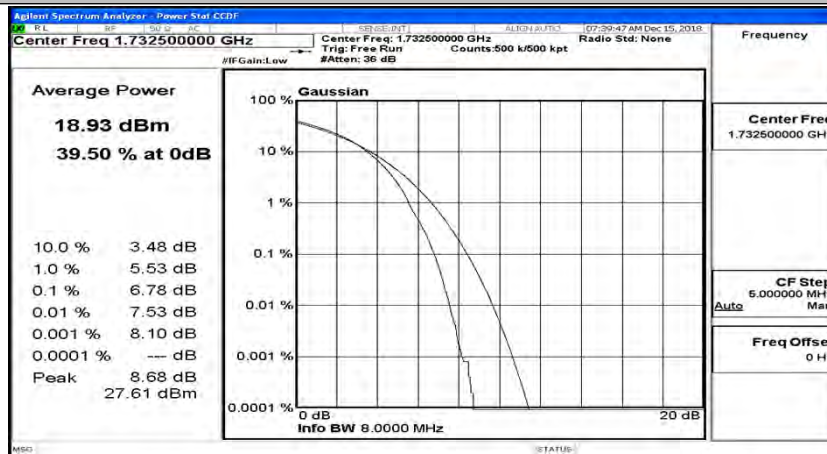
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



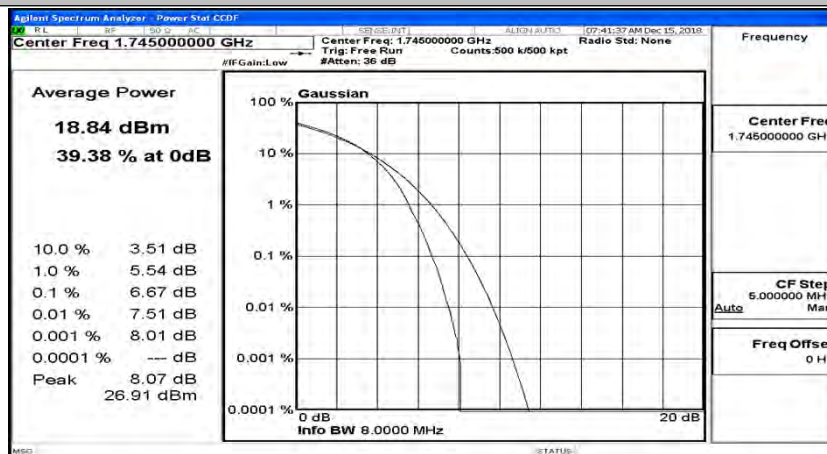
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## 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



**B.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     | 1.0759                   | 1.223                | PASS    |
|                                                    | MCH     | 1.0734                   | 1.206                | PASS    |
|                                                    | HCH     | 1.0782                   | 1.208                | PASS    |
| 16QAM                                              | LCH     | 1.0804                   | 1.263                | PASS    |
|                                                    | MCH     | 1.0785                   | 1.214                | PASS    |
|                                                    | HCH     | 1.0762                   | 1.222                | PASS    |

| EBW & OBW Test Result (Channel Bandwidth: 3 MHz) |         |                          |                      |         |
|--------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                       | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                             | LCH     | 2.6789                   | 2.822                | PASS    |
|                                                  | MCH     | 2.6783                   | 2.838                | PASS    |
|                                                  | HCH     | 2.6751                   | 2.829                | PASS    |
| 16QAM                                            | LCH     | 2.6768                   | 2.824                | PASS    |
|                                                  | MCH     | 2.6772                   | 2.835                | PASS    |
|                                                  | HCH     | 2.6815                   | 2.833                | PASS    |

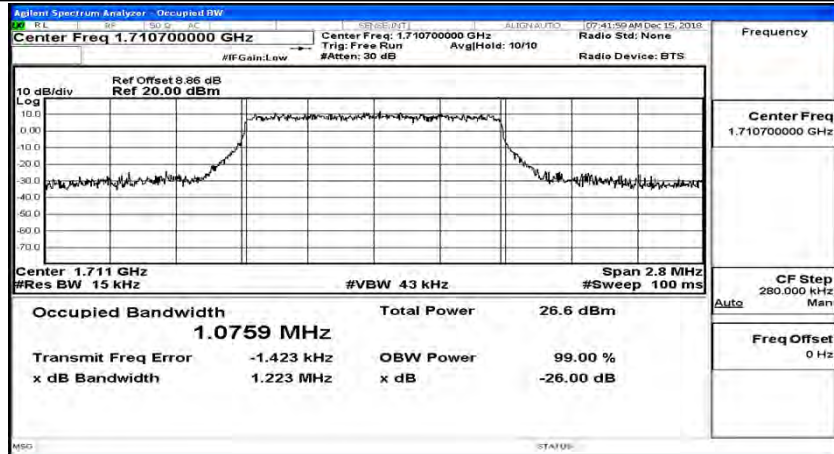
| EBW & OBW Test Result (Channel Bandwidth: 5 MHz) |         |                          |                      |         |
|--------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                       | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                             | LCH     | 4.4844                   | 4.856                | PASS    |
|                                                  | MCH     | 4.4759                   | 4.846                | PASS    |
|                                                  | HCH     | 4.4739                   | 4.878                | PASS    |
| 16QAM                                            | LCH     | 4.4754                   | 4.888                | PASS    |
|                                                  | MCH     | 4.4693                   | 4.861                | PASS    |
|                                                  | HCH     | 4.4803                   | 4.875                | PASS    |

| EBW & OBW Test Result (Channel Bandwidth: 10 MHz) |         |                          |                      |         |
|---------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                        | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                              | LCH     | 8.9421                   | 9.576                | PASS    |
|                                                   | MCH     | 8.9508                   | 9.523                | PASS    |
|                                                   | HCH     | 8.9386                   | 9.487                | PASS    |
| 16QAM                                             | LCH     | 8.9485                   | 9.526                | PASS    |
|                                                   | MCH     | 8.9426                   | 9.517                | PASS    |
|                                                   | HCH     | 8.9462                   | 9.497                | PASS    |

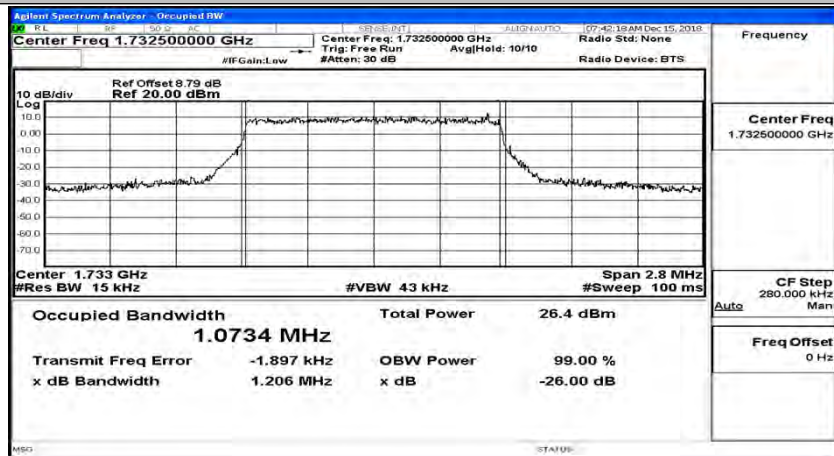
| EBW & OBW Test Result (Channel Bandwidth: 15 MHz) |         |                          |                      |         |
|---------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                        | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                              | LCH     | 13.410                   | 14.20                | PASS    |
|                                                   | MCH     | 13.408                   | 14.19                | PASS    |
|                                                   | HCH     | 13.410                   | 14.17                | PASS    |
| 16QAM                                             | LCH     | 13.417                   | 14.06                | PASS    |
|                                                   | MCH     | 13.409                   | 14.18                | PASS    |
|                                                   | HCH     | 13.400                   | 14.08                | PASS    |

| EBW & OBW Test Result (Channel Bandwidth: 20 MHz) |         |                          |                      |         |
|---------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                        | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                              | LCH     | 17.864                   | 18.63                | PASS    |
|                                                   | MCH     | 17.854                   | 18.70                | PASS    |
|                                                   | HCH     | 17.838                   | 18.61                | PASS    |
| 16QAM                                             | LCH     | 17.874                   | 18.64                | PASS    |
|                                                   | MCH     | 17.864                   | 18.66                | PASS    |
|                                                   | HCH     | 17.831                   | 18.63                | PASS    |

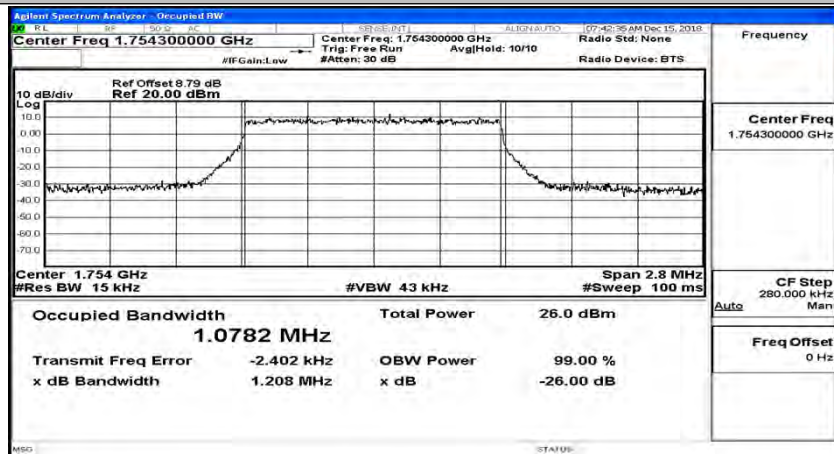
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



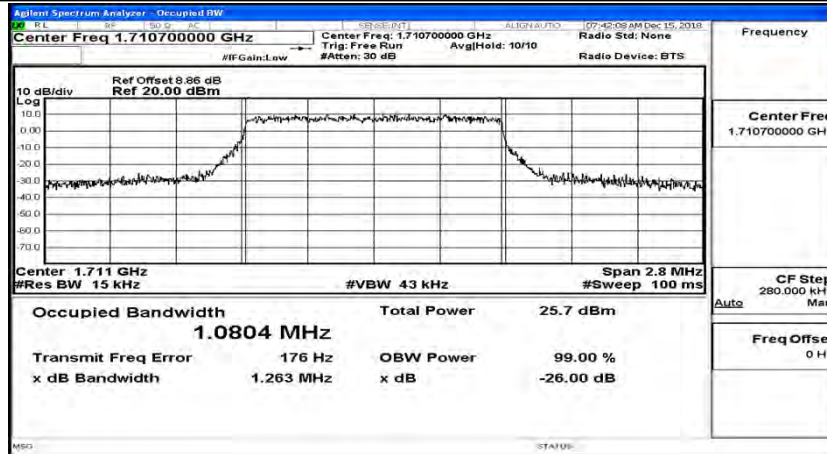
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



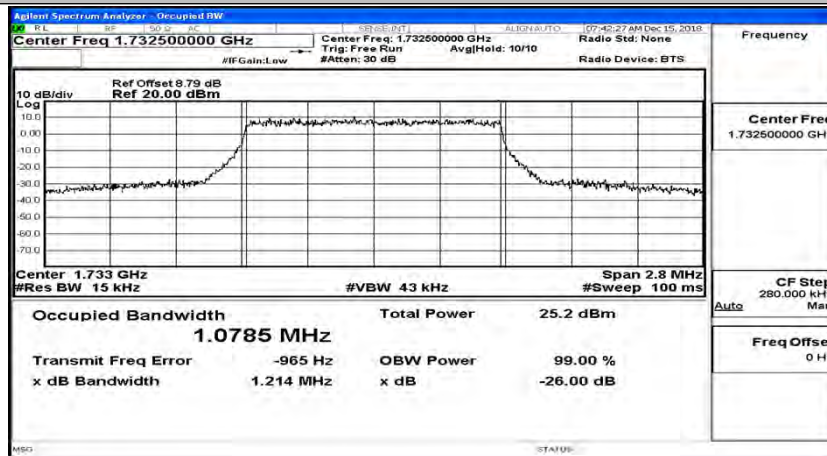
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



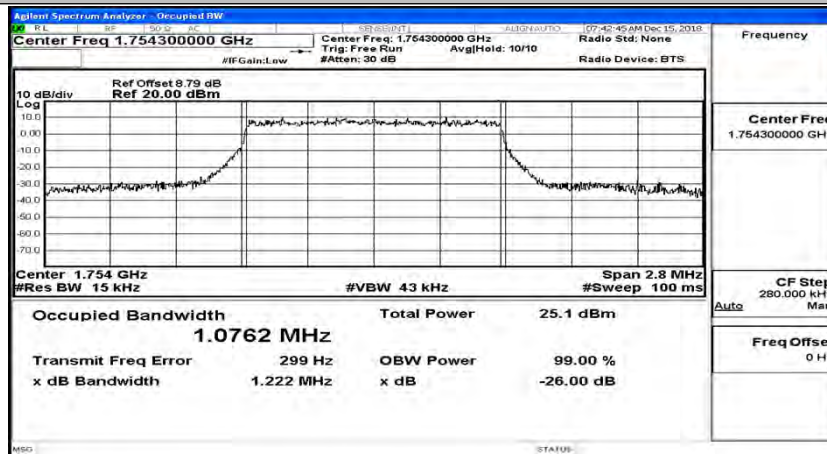
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



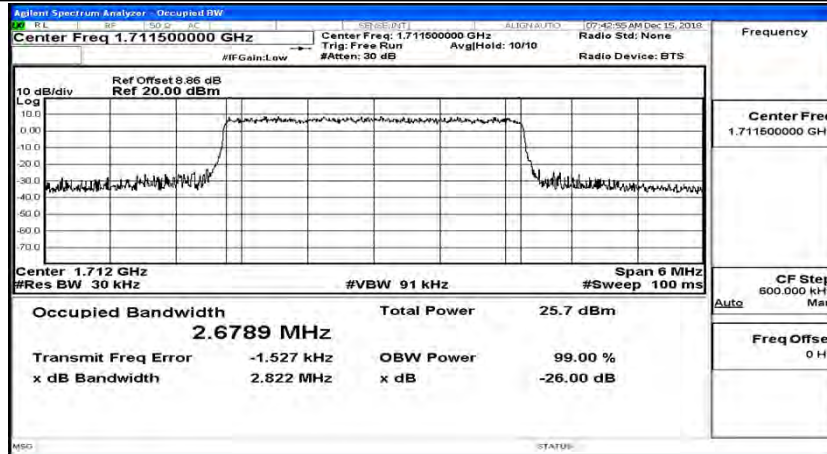
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



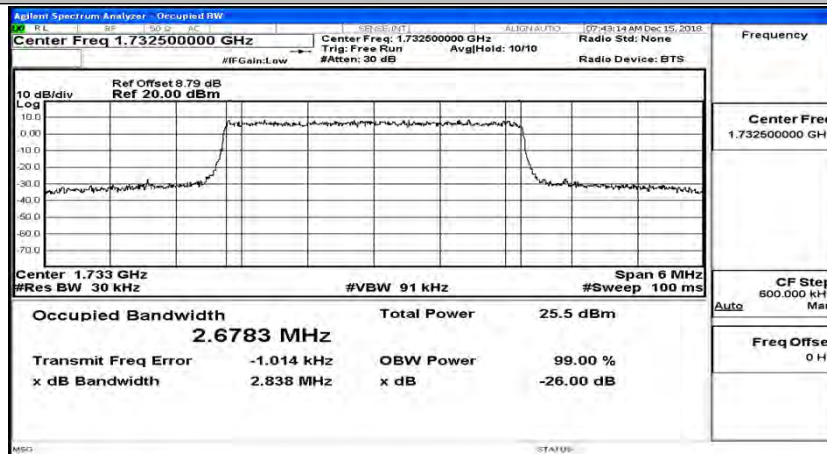
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



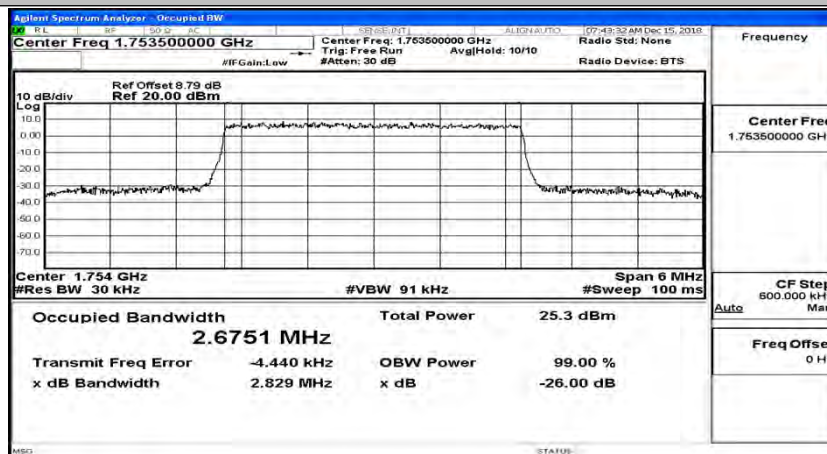
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



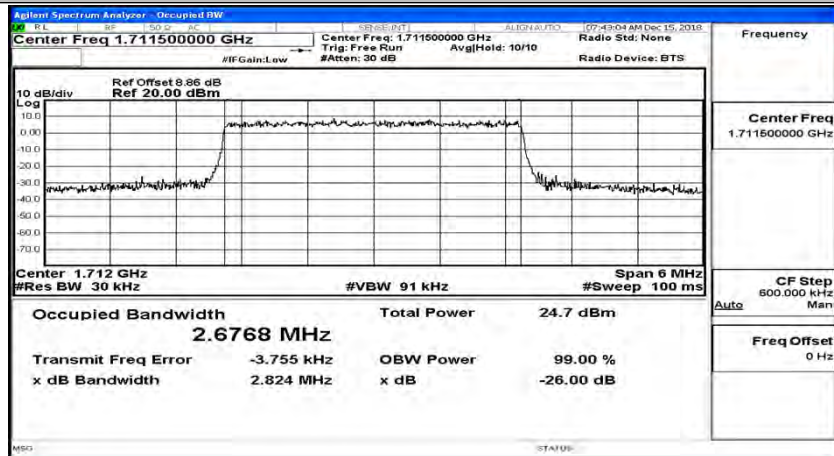
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



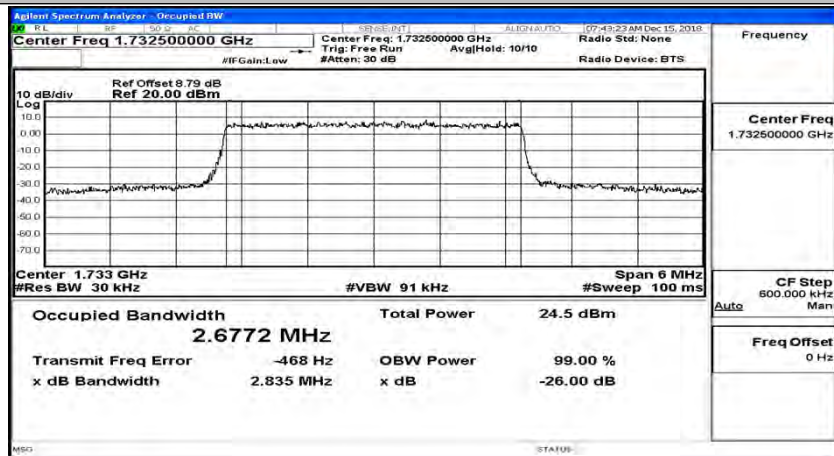
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



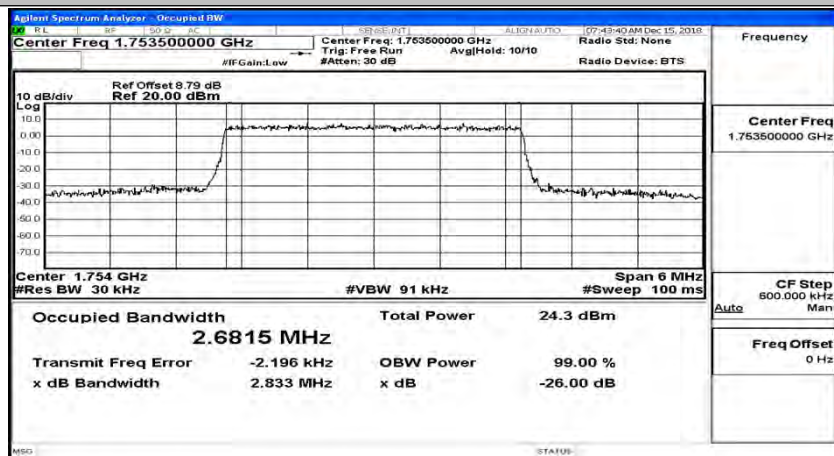
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



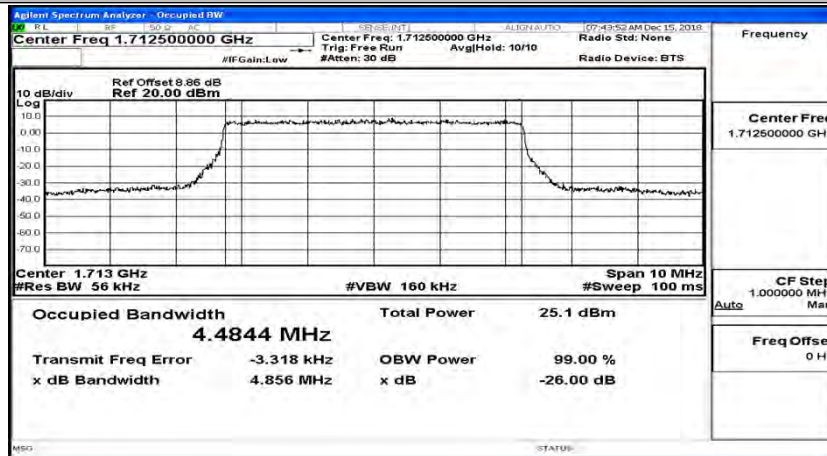
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



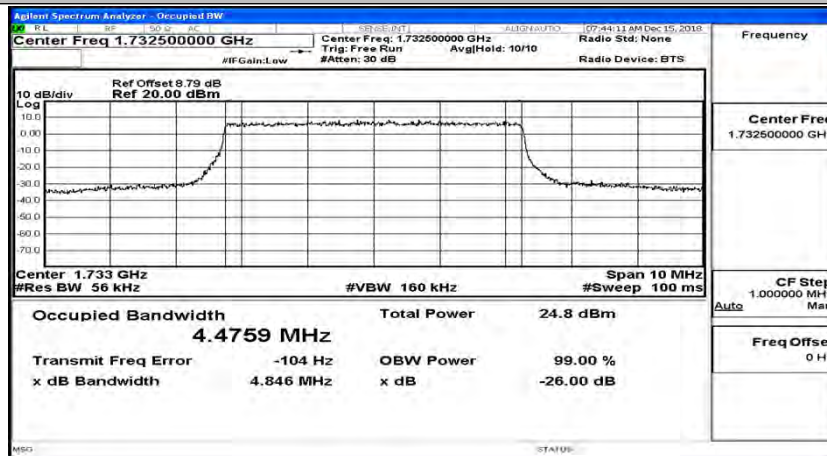
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



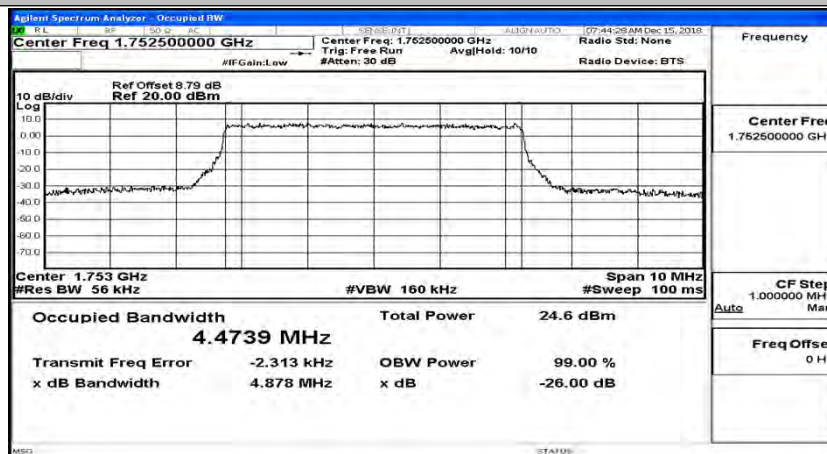
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



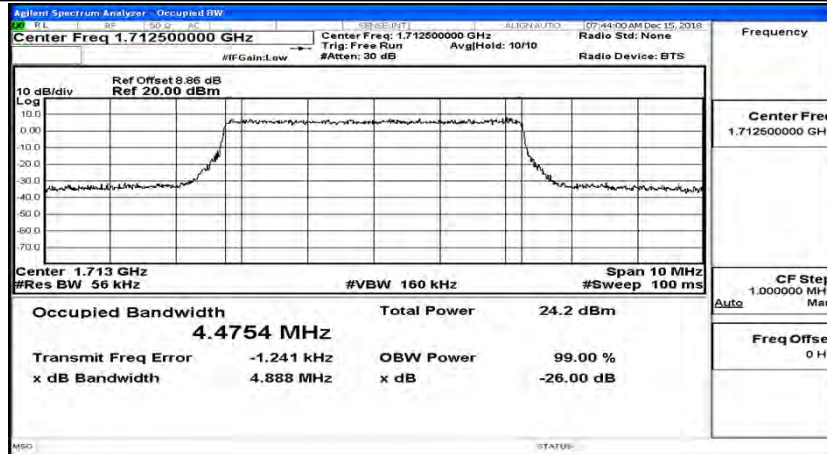
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



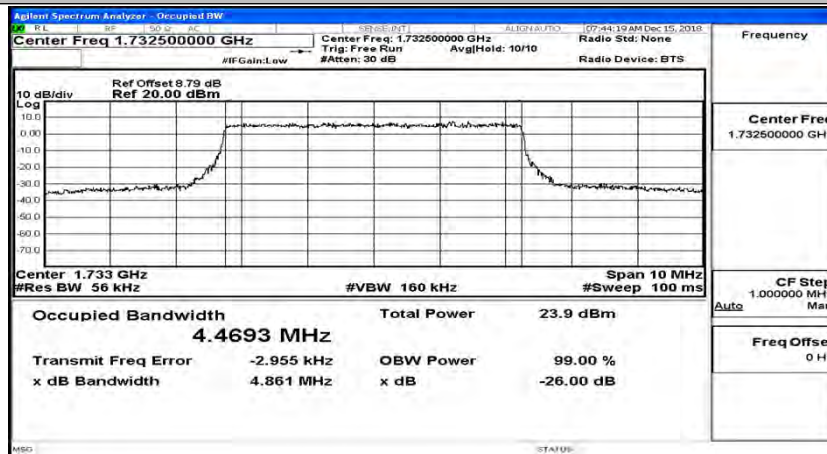
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



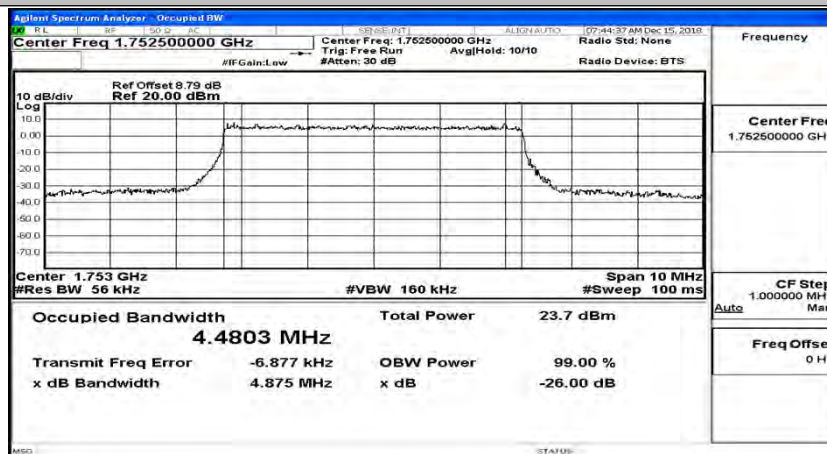
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



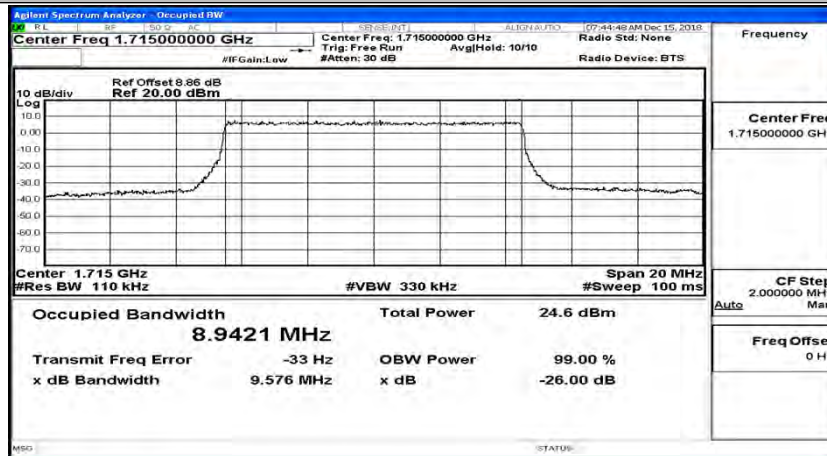
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



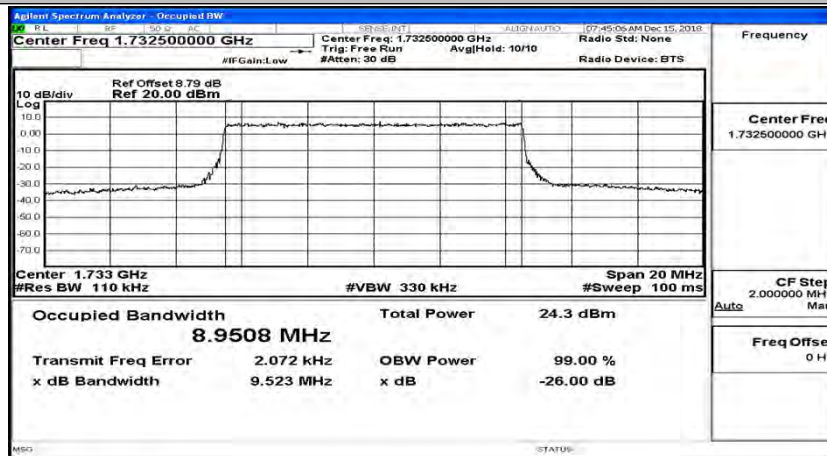
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



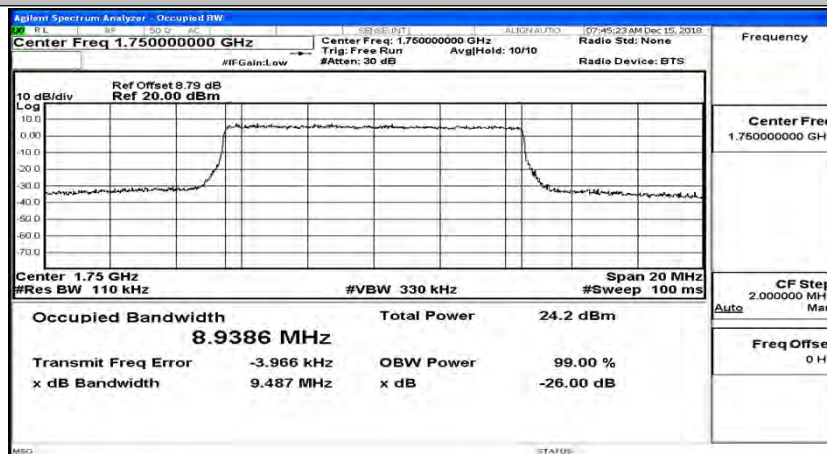
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



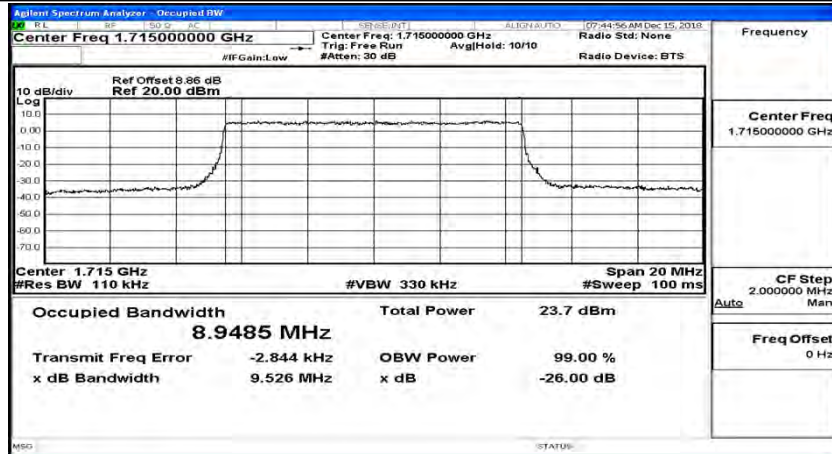
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



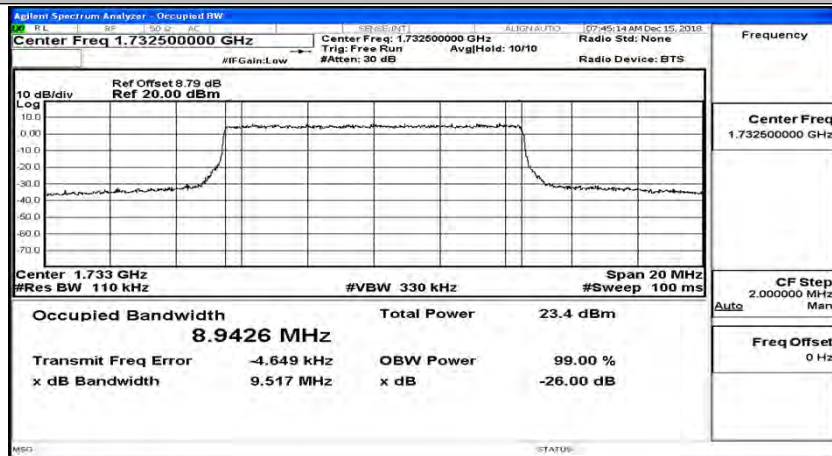
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



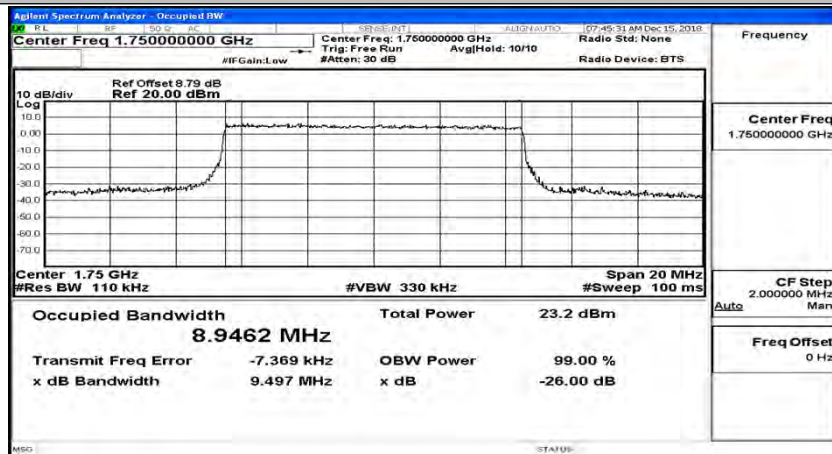
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



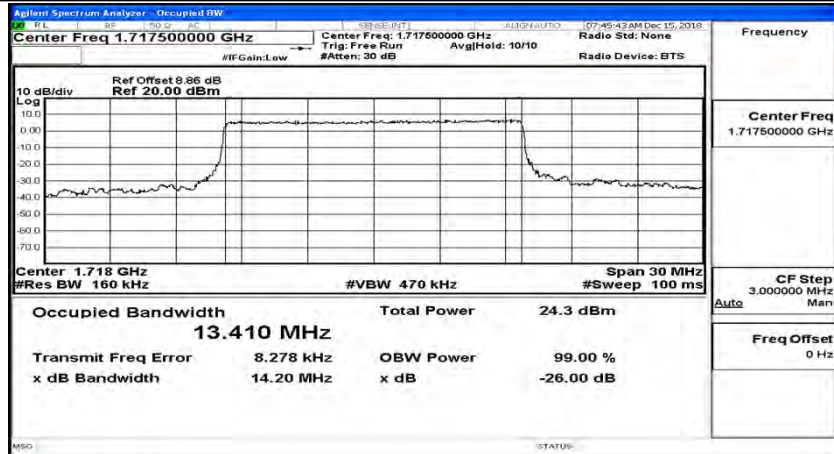
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



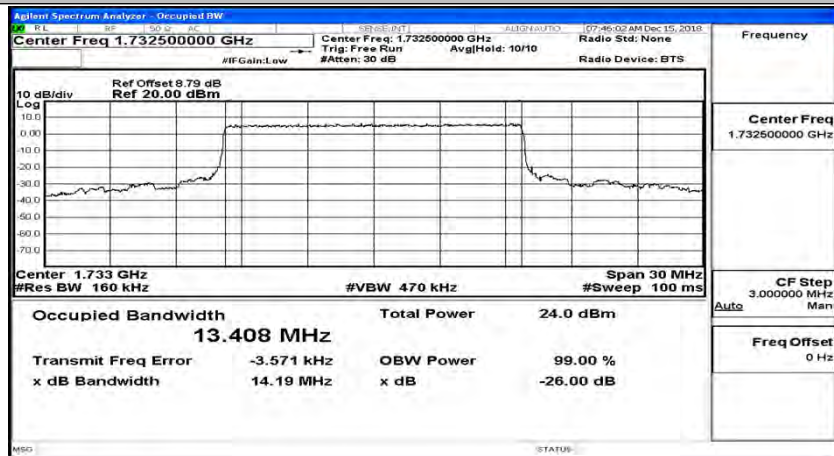
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



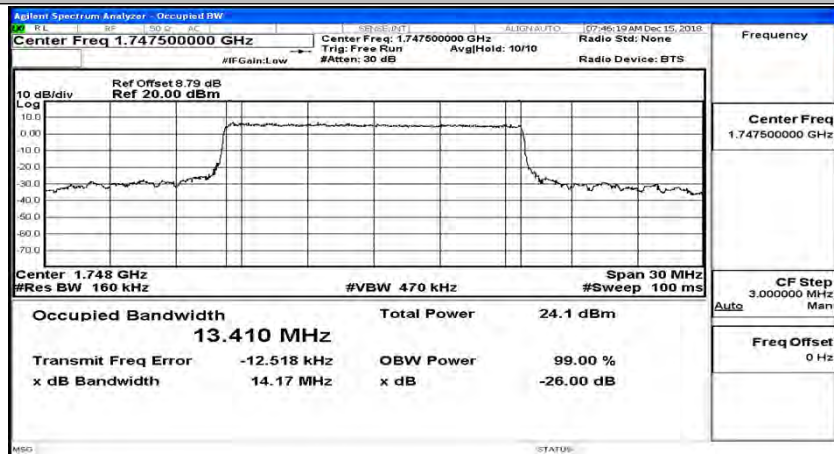
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



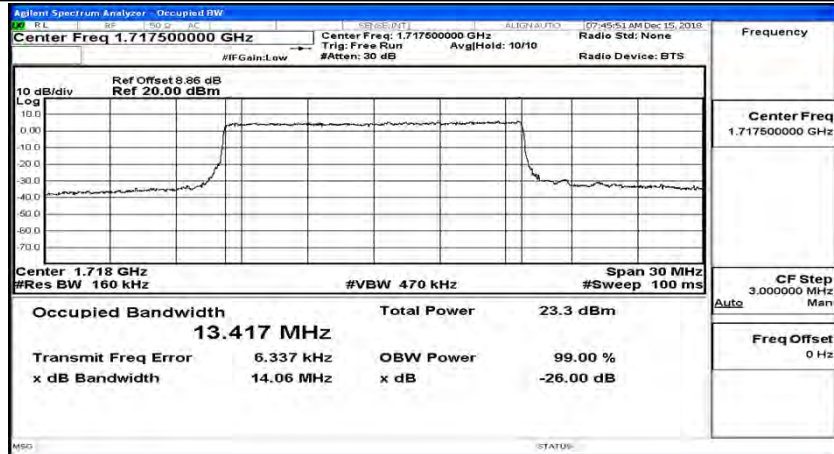
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



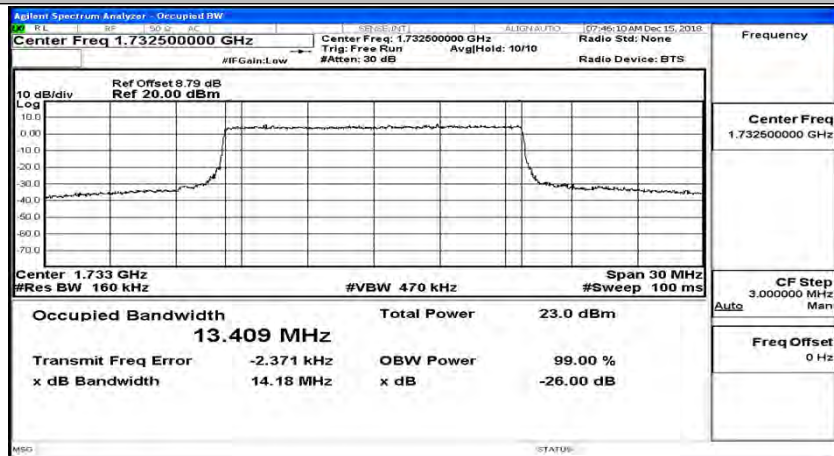
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



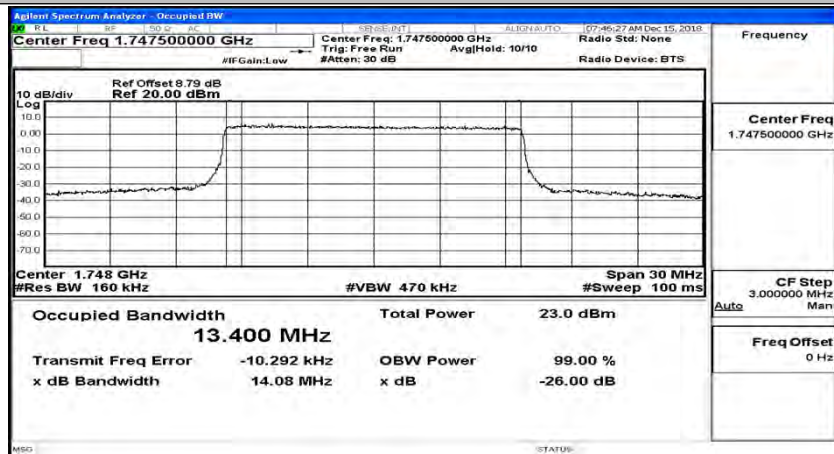
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



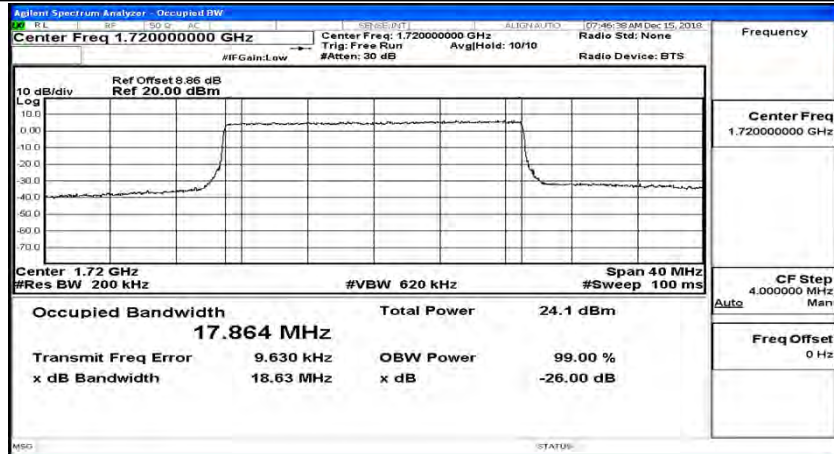
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



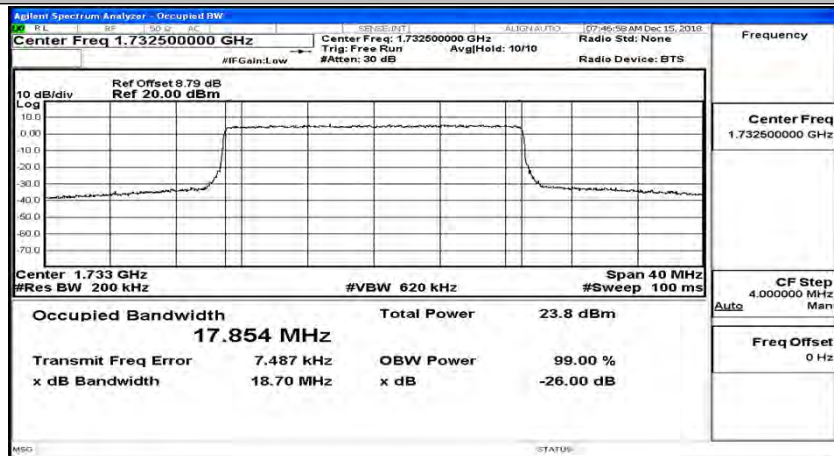
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



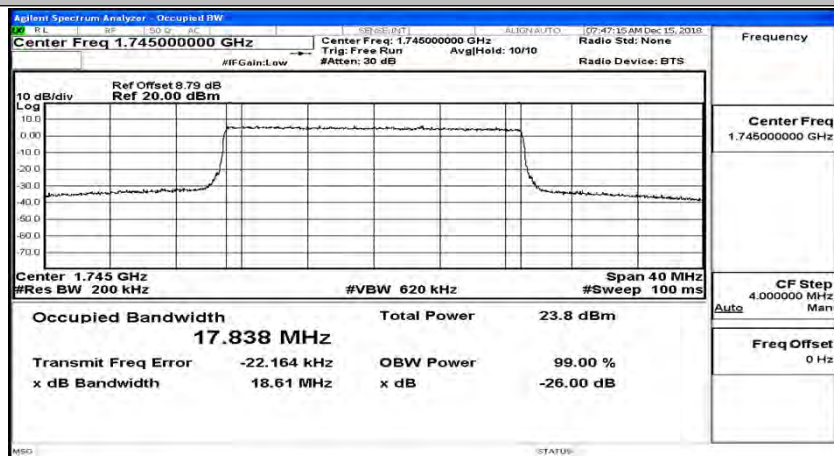
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



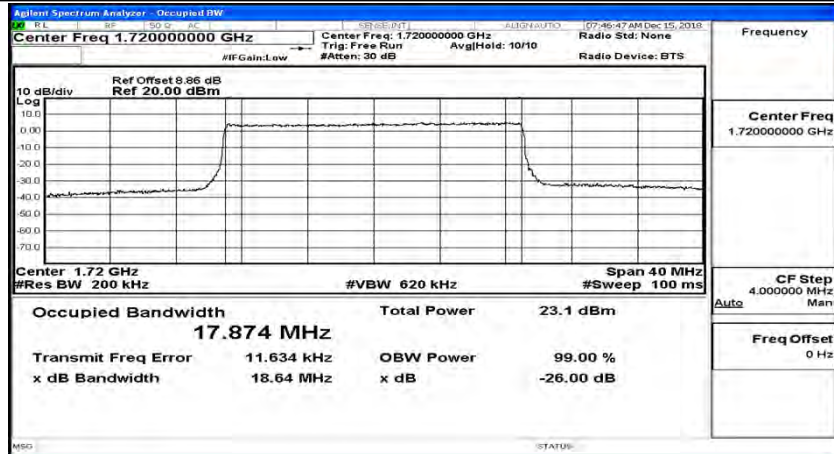
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



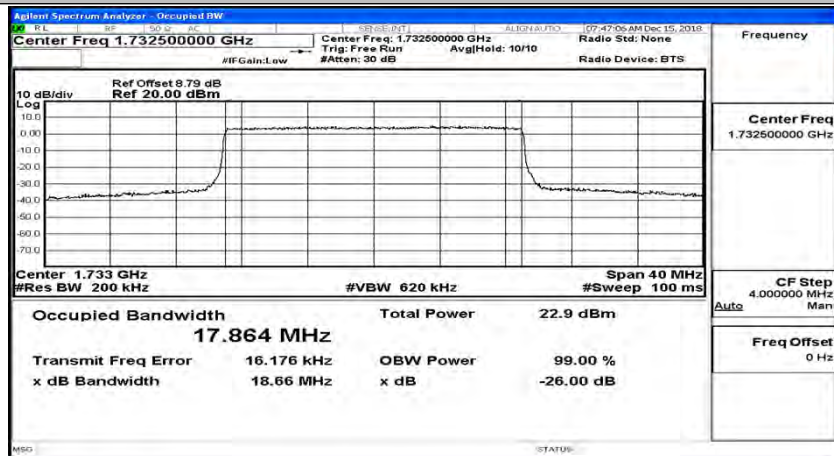
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



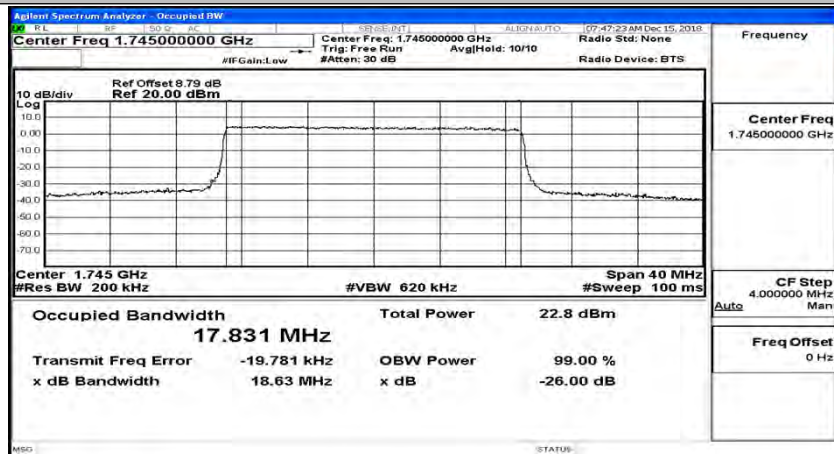
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_16QAM

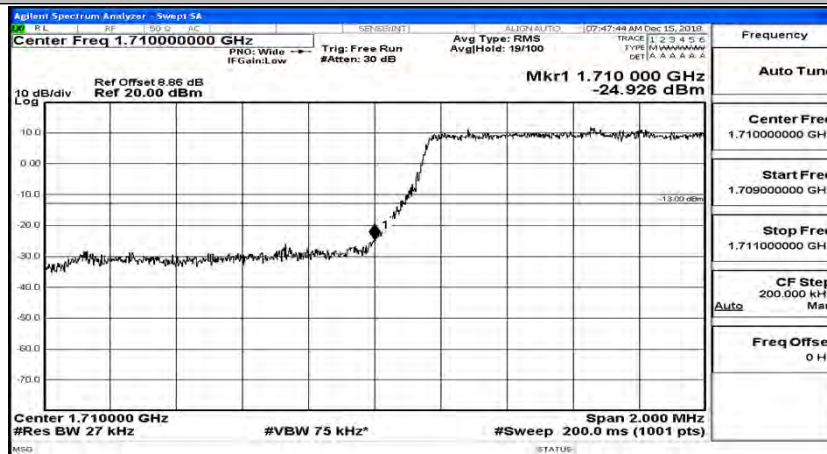


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

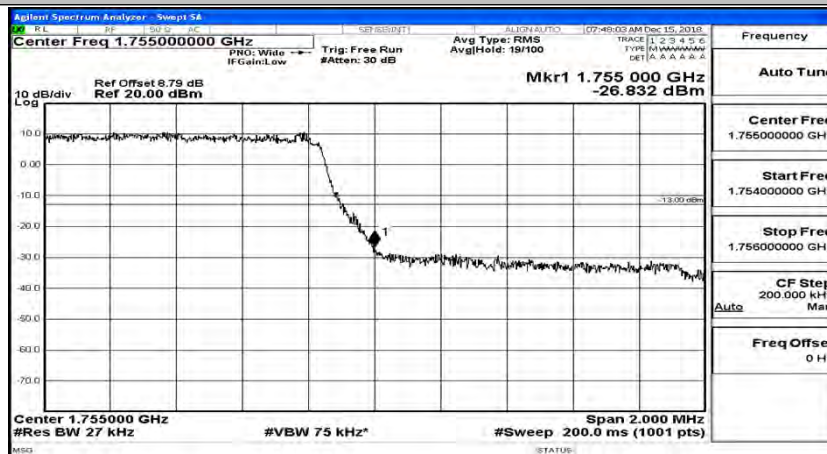


## B.4 Band Edge

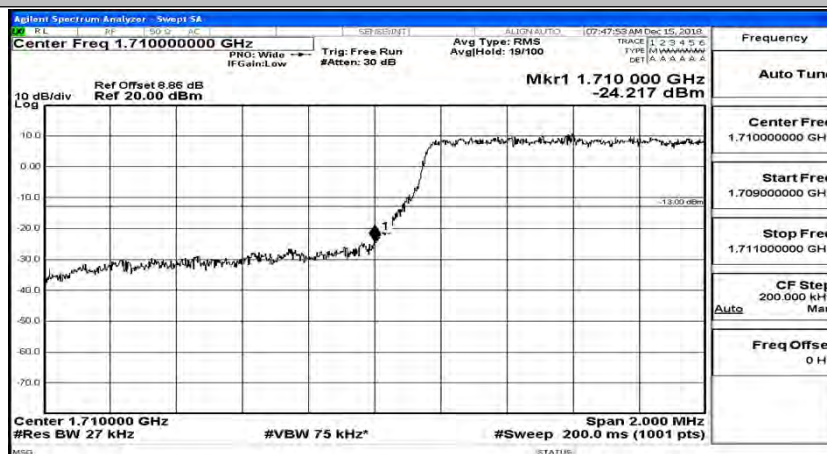
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



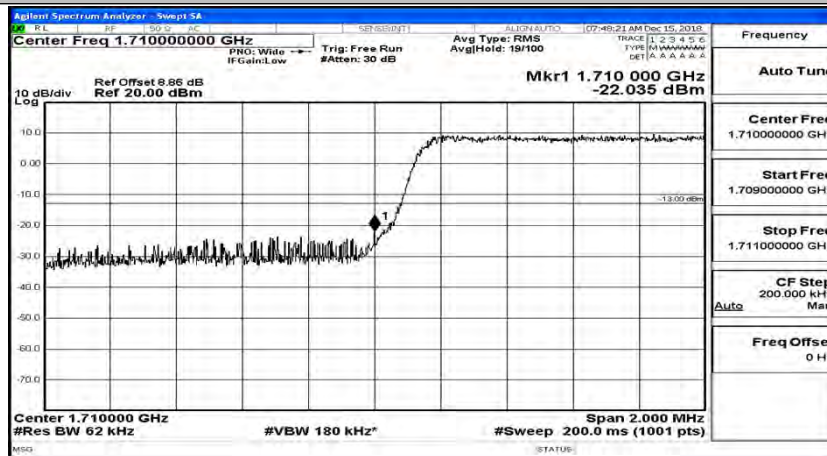
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



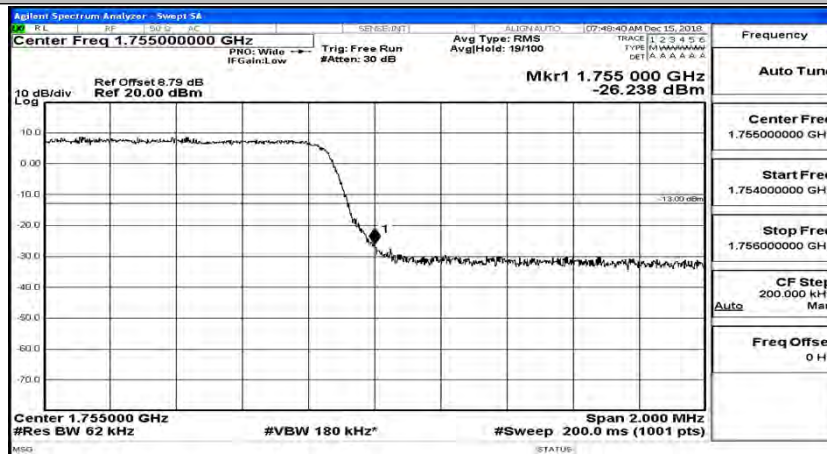
## Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



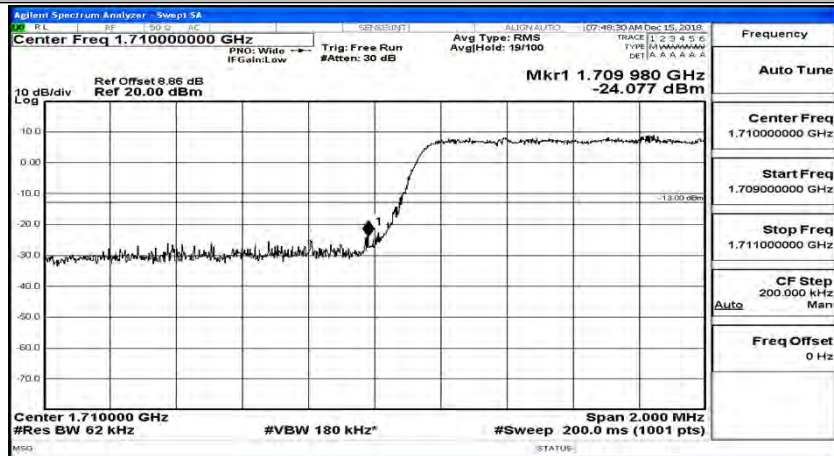
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



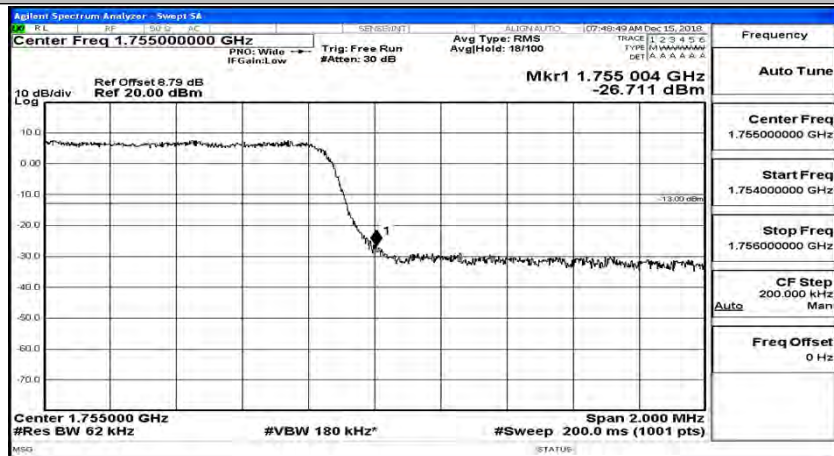
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



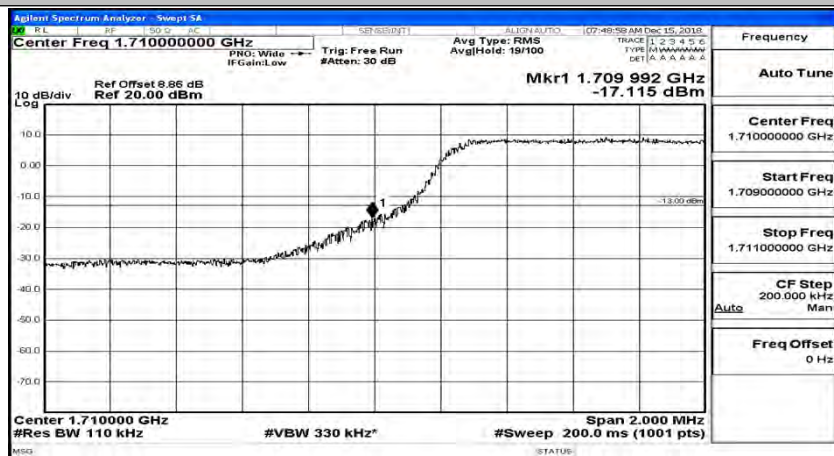
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



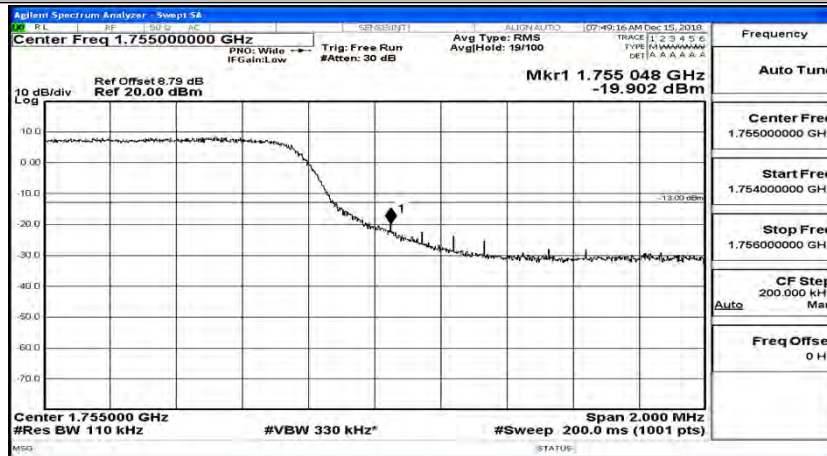
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



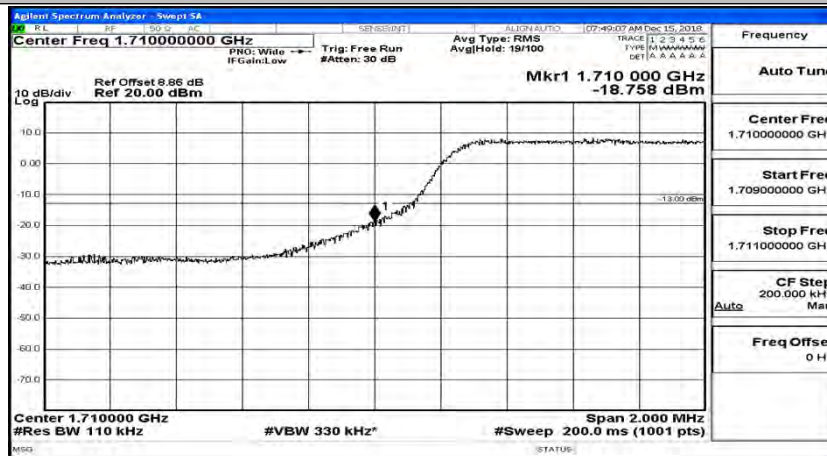
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



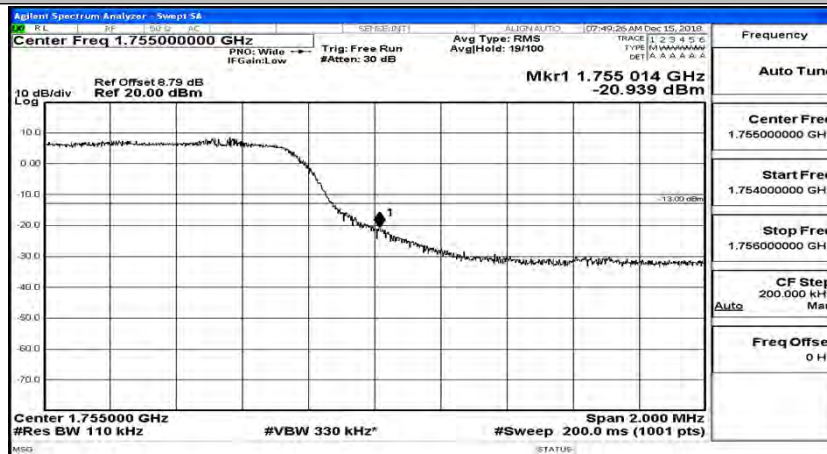
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



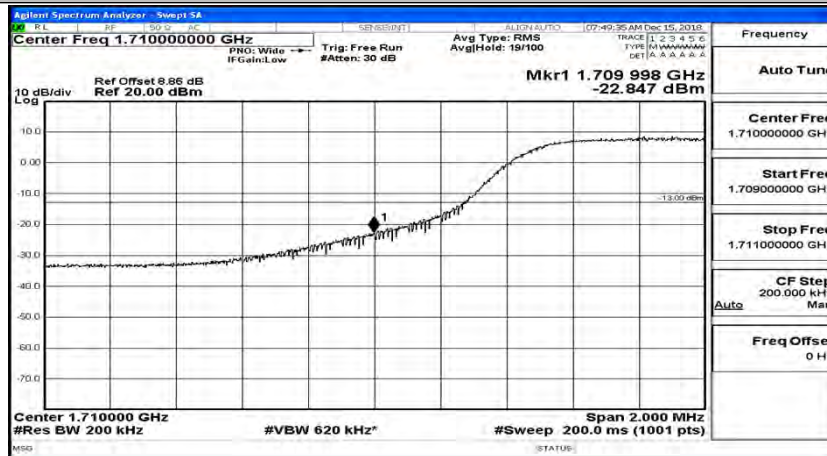
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



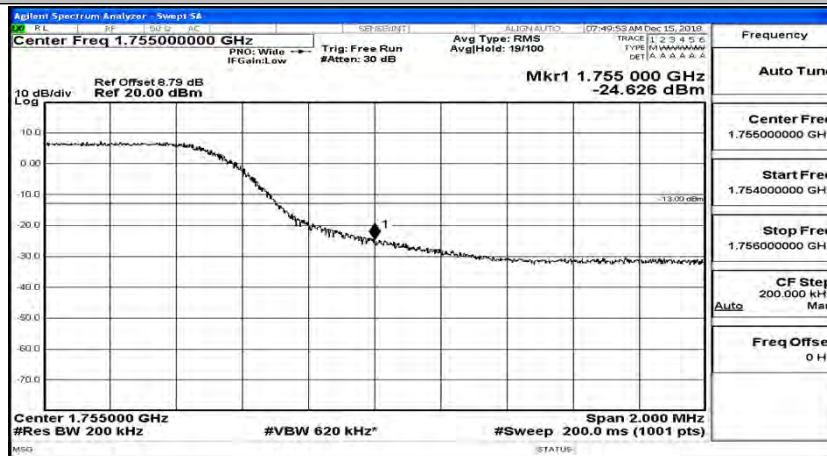
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



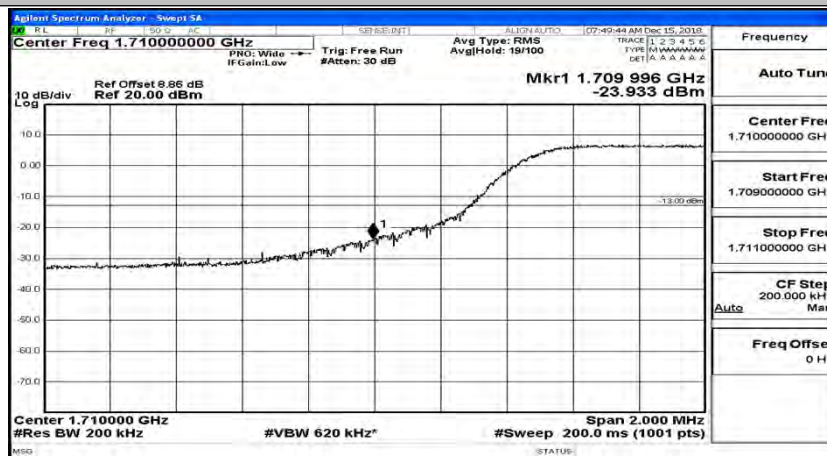
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



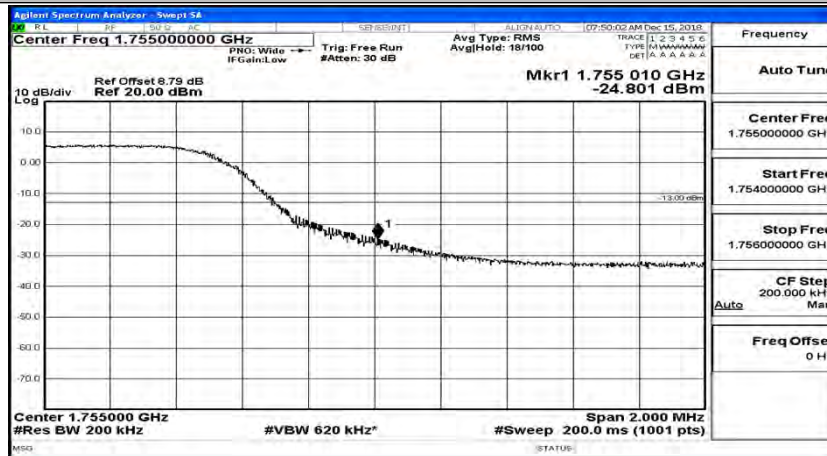
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



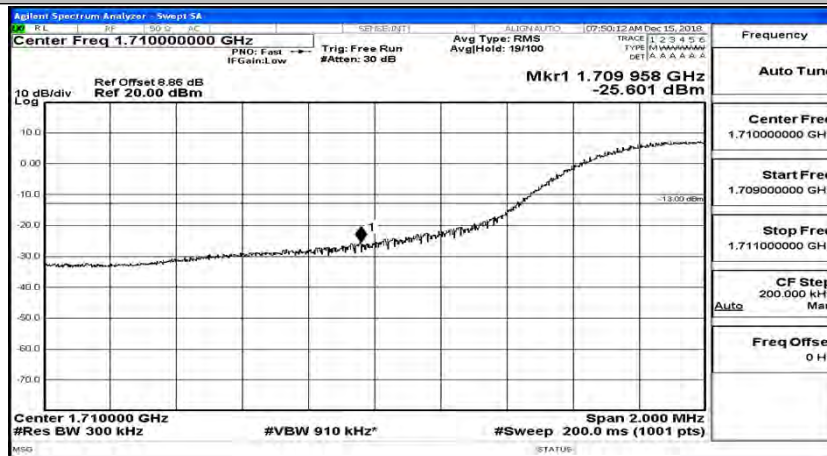
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



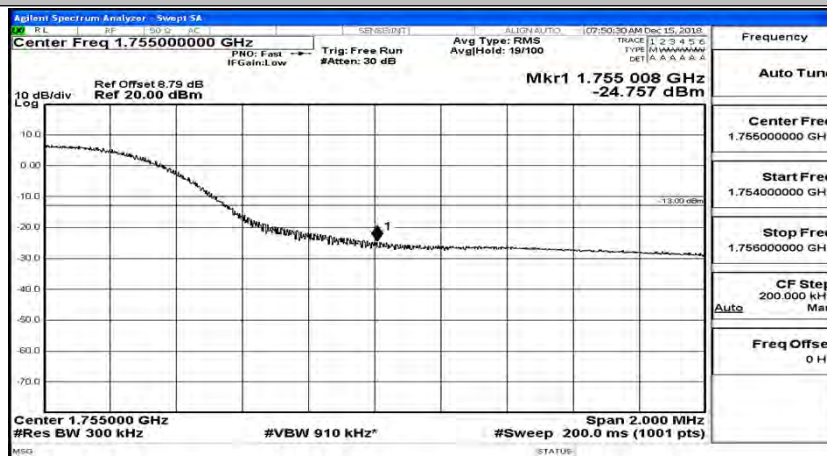
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



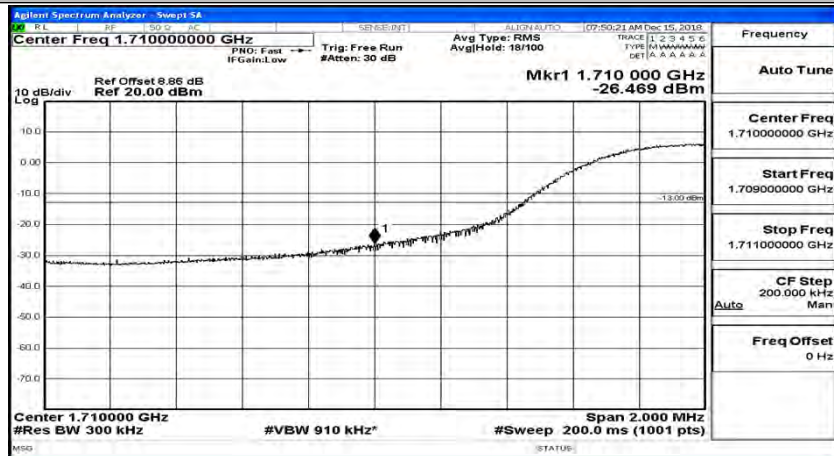
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



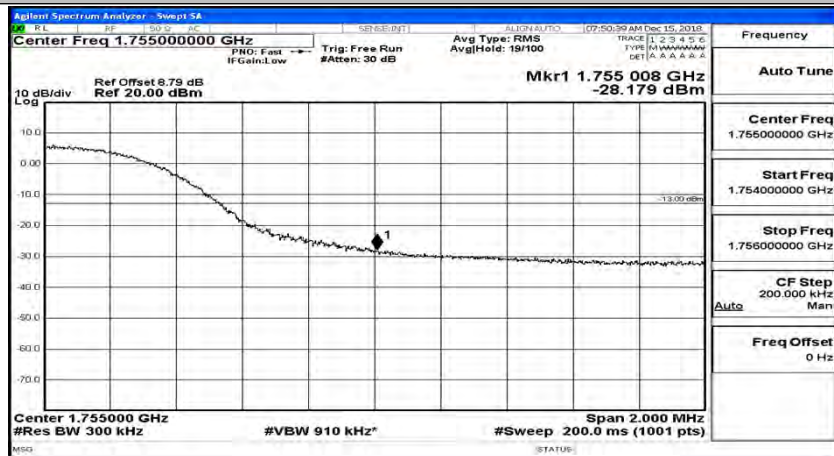
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



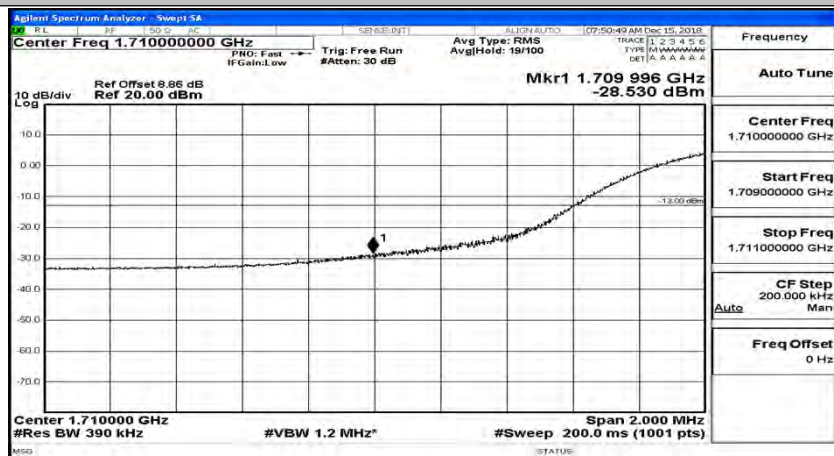
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



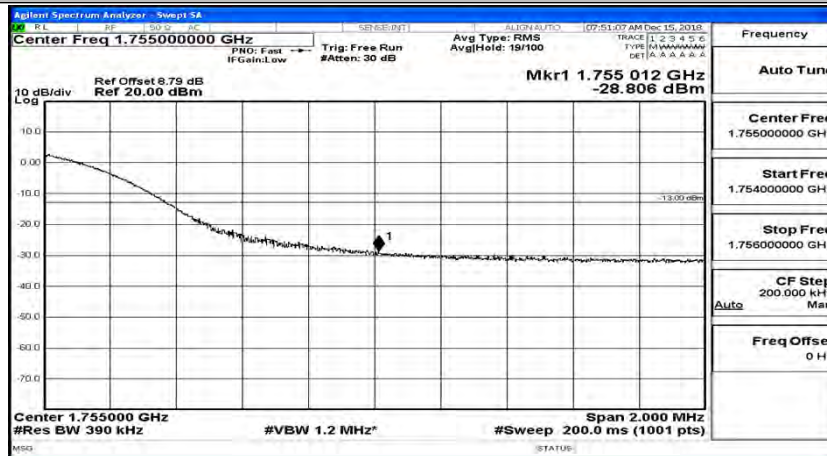
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



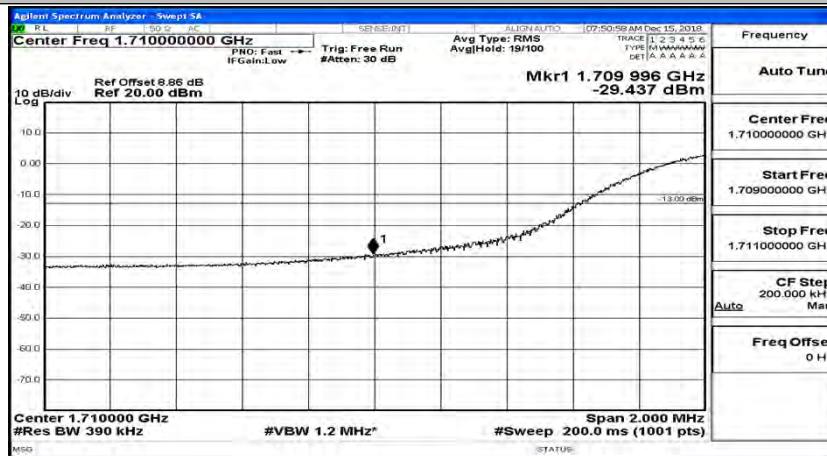
## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



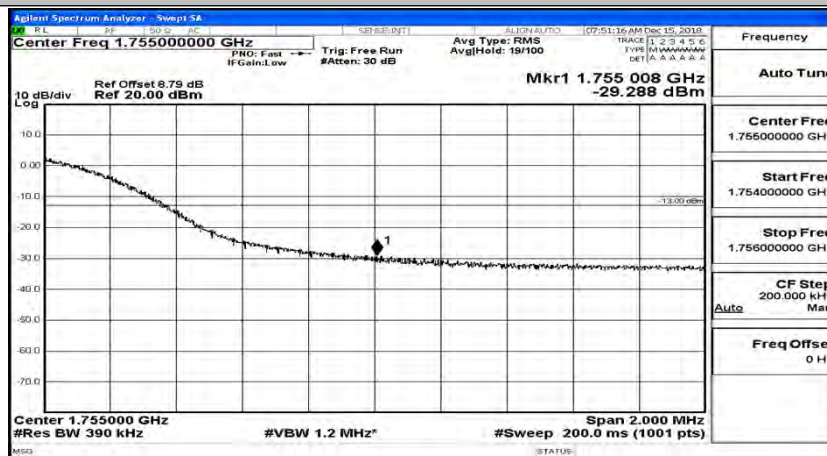
## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM

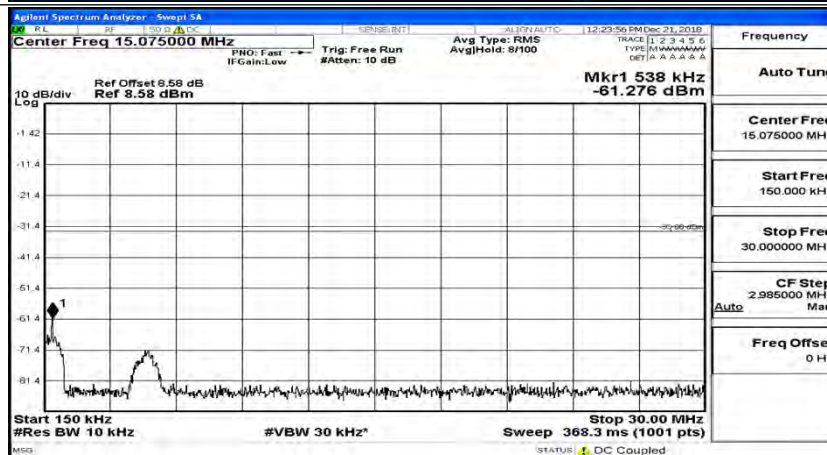
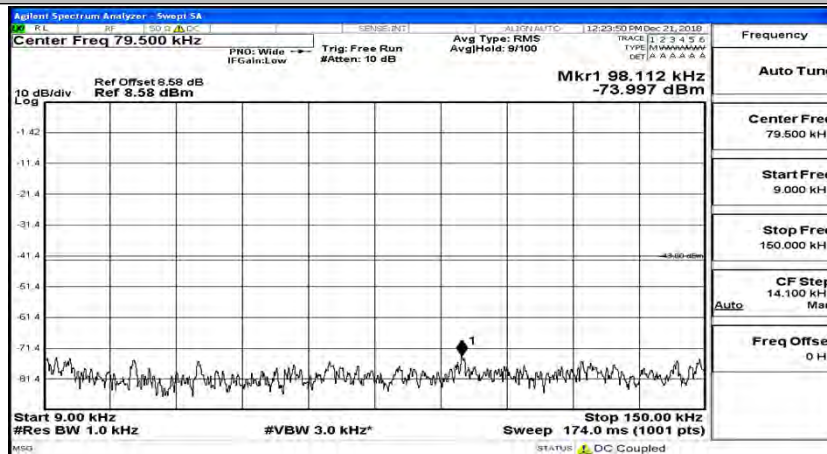


## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

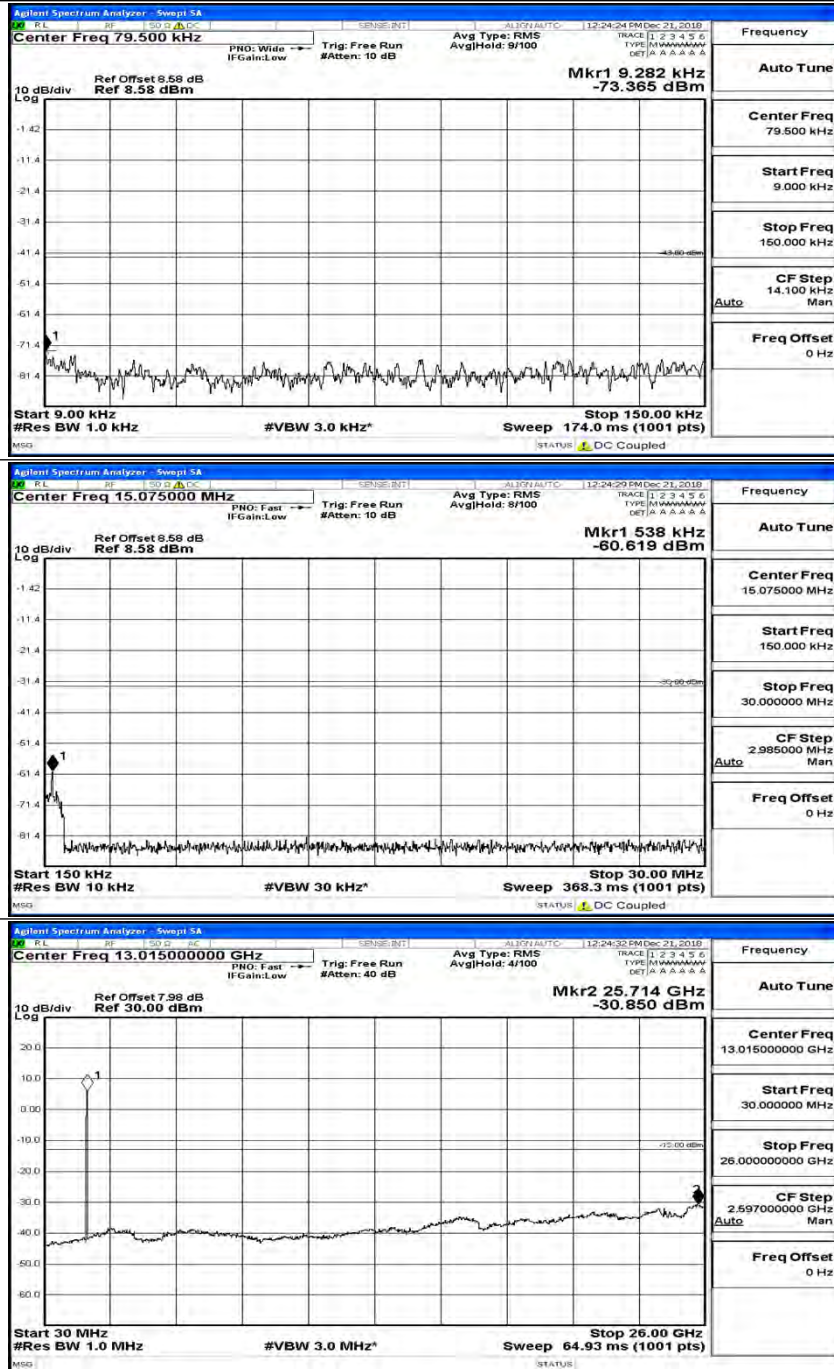


## B.5 Conducted Spurious Emission

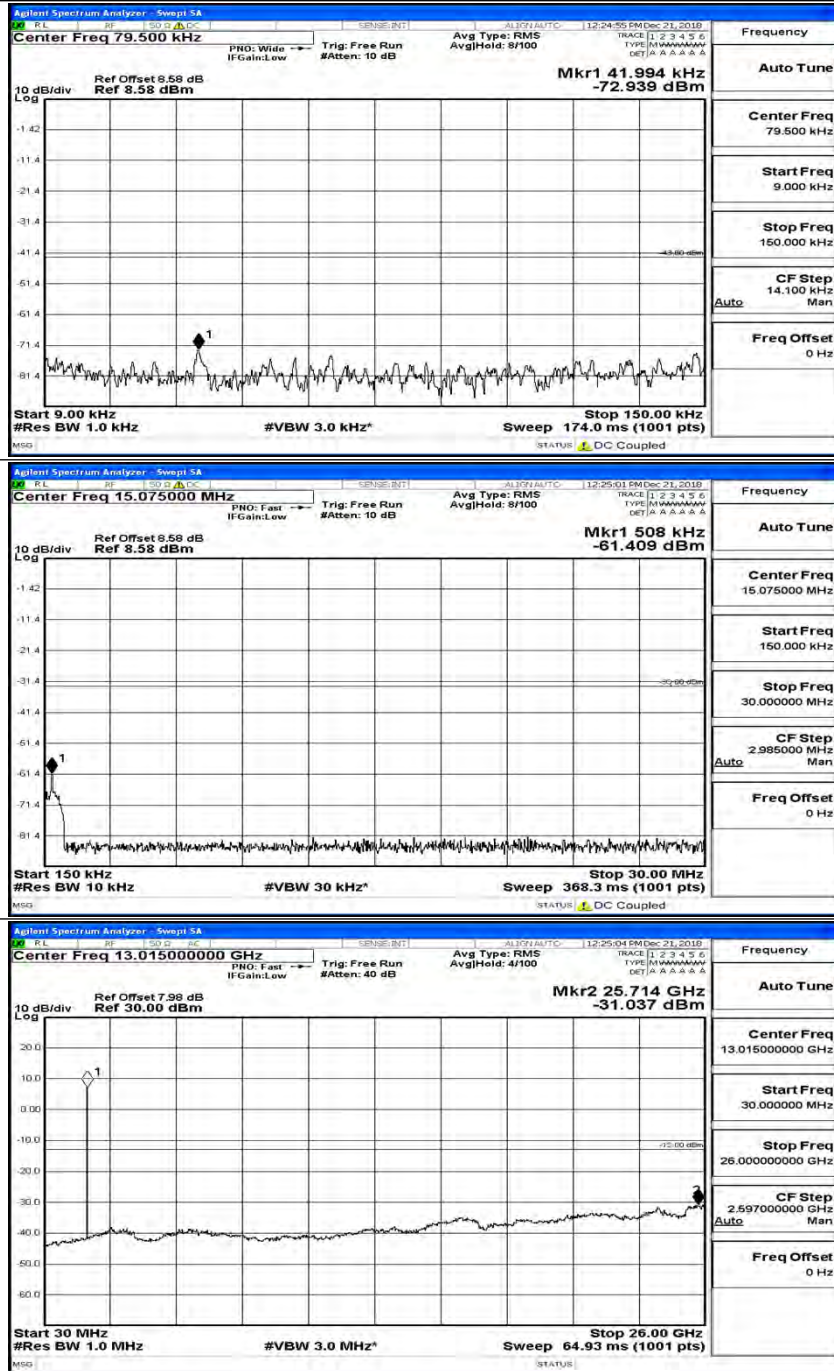
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



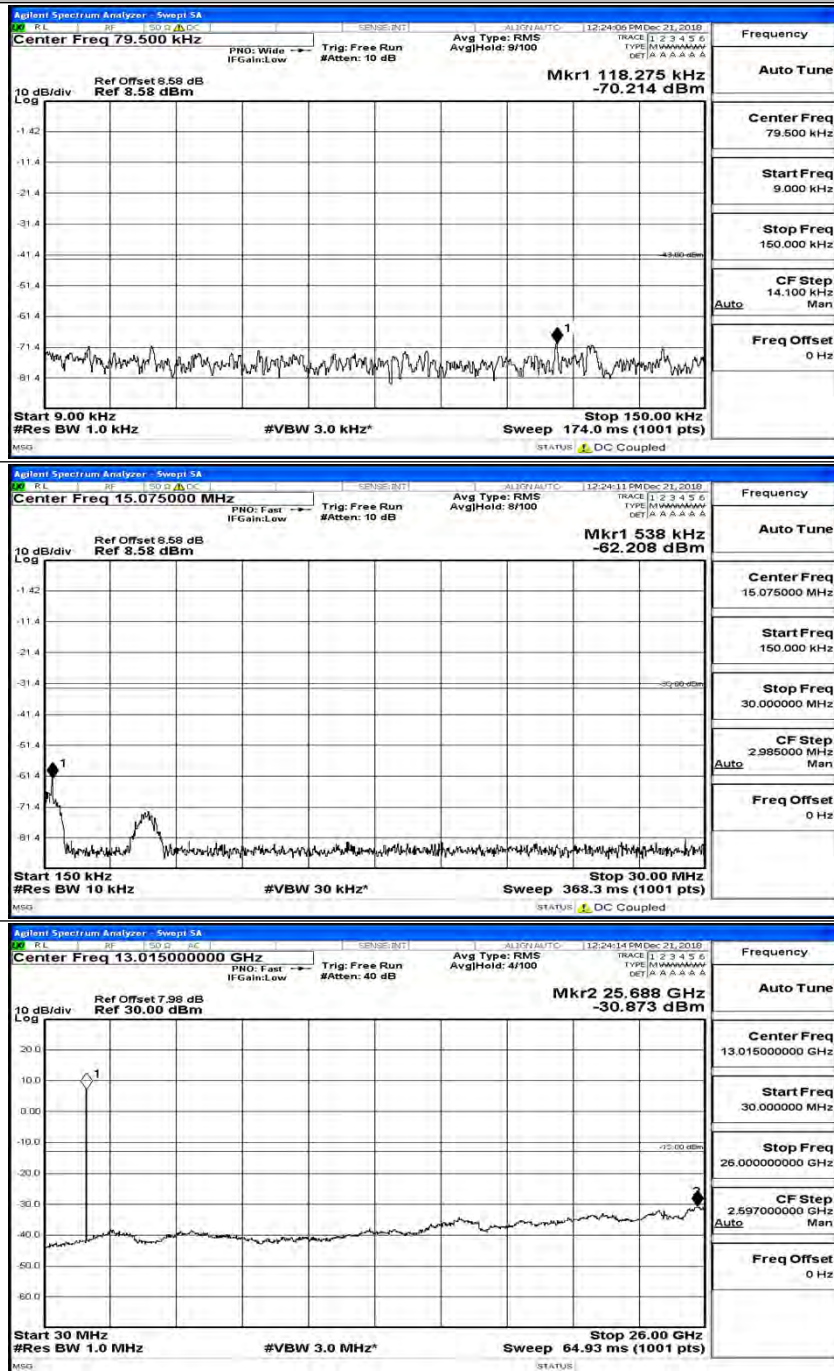
## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



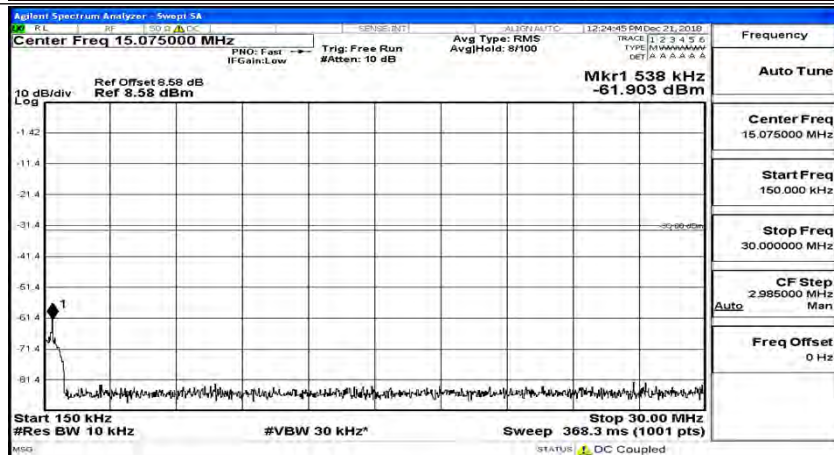
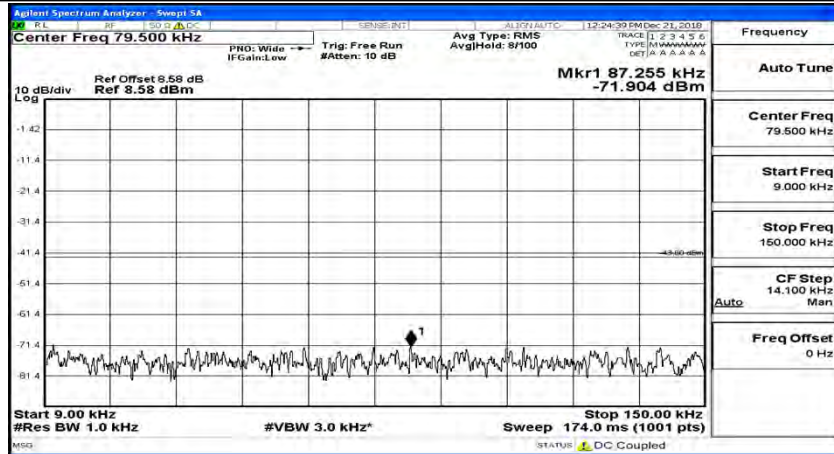
## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



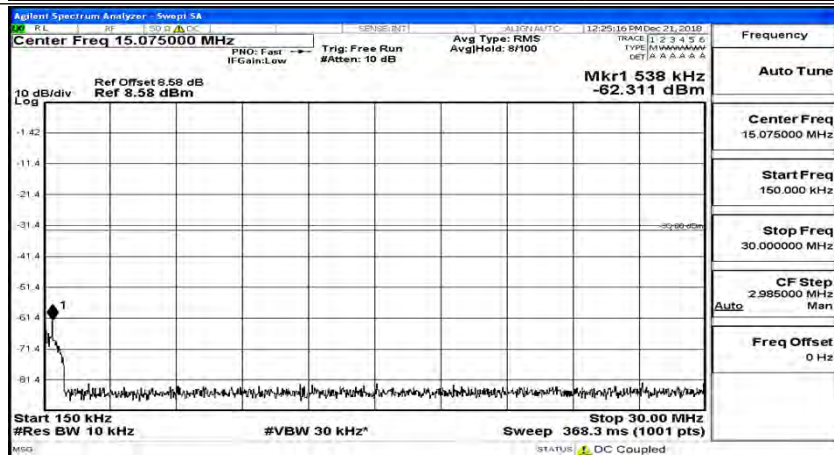
## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



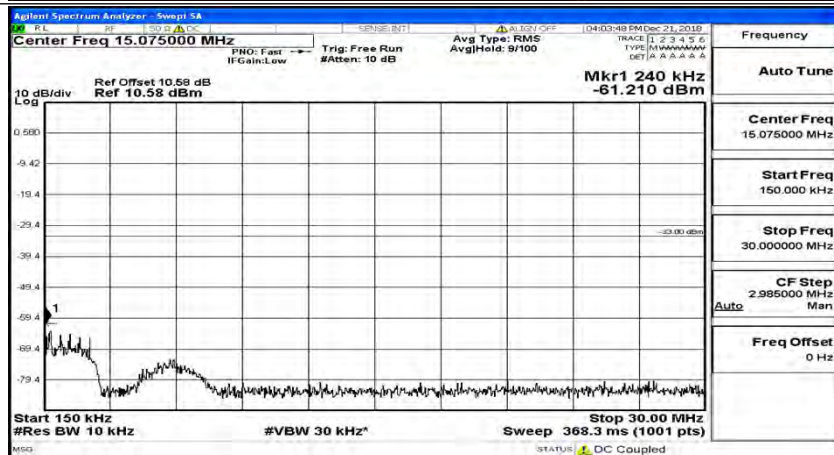
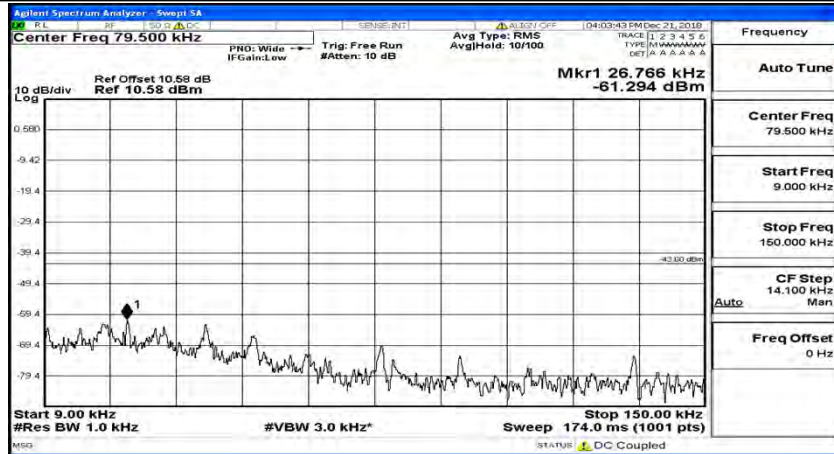
## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



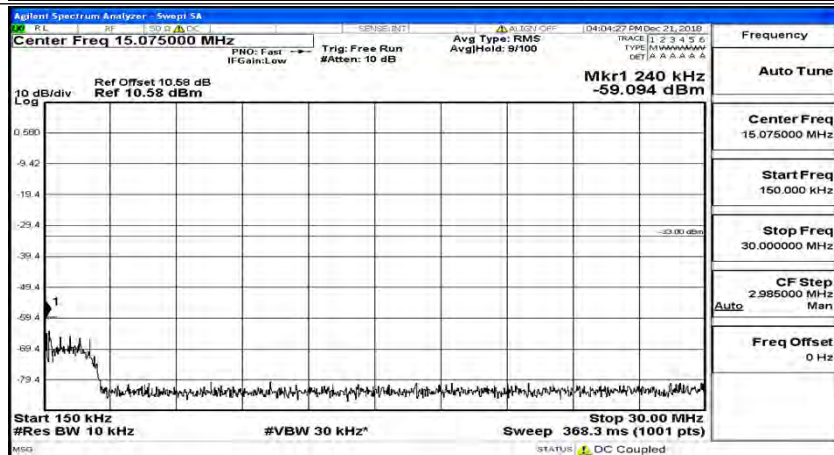
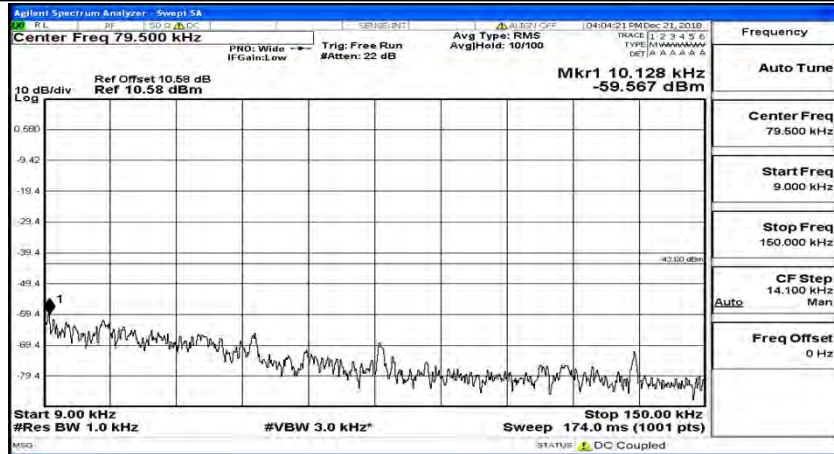
## CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



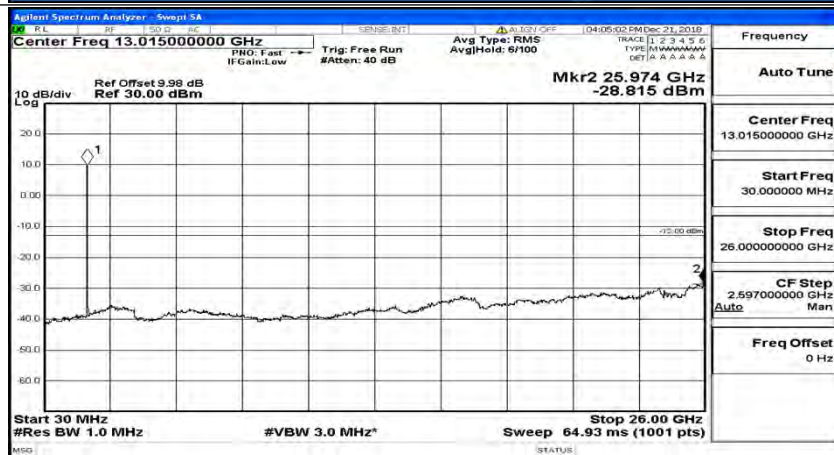
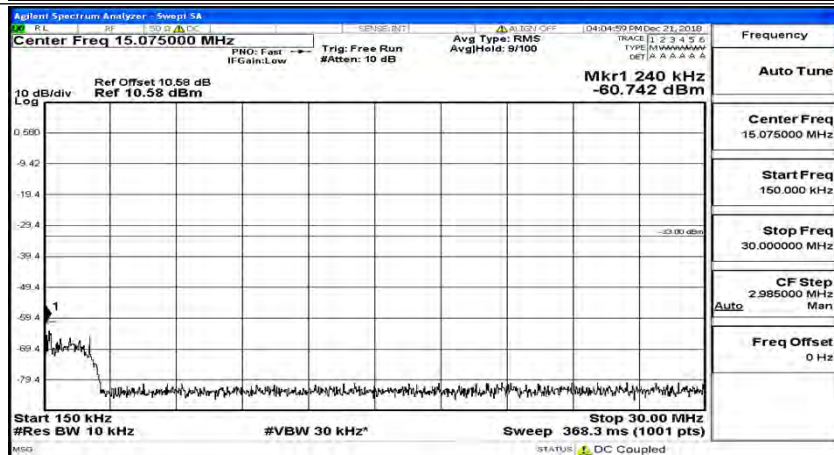
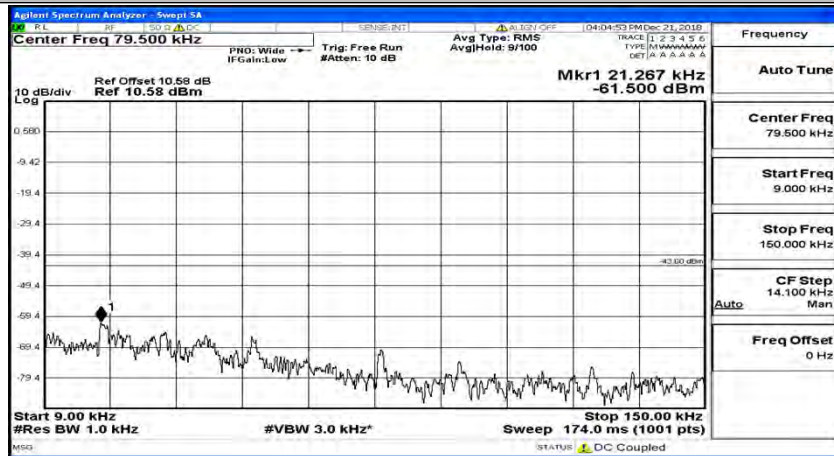
## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



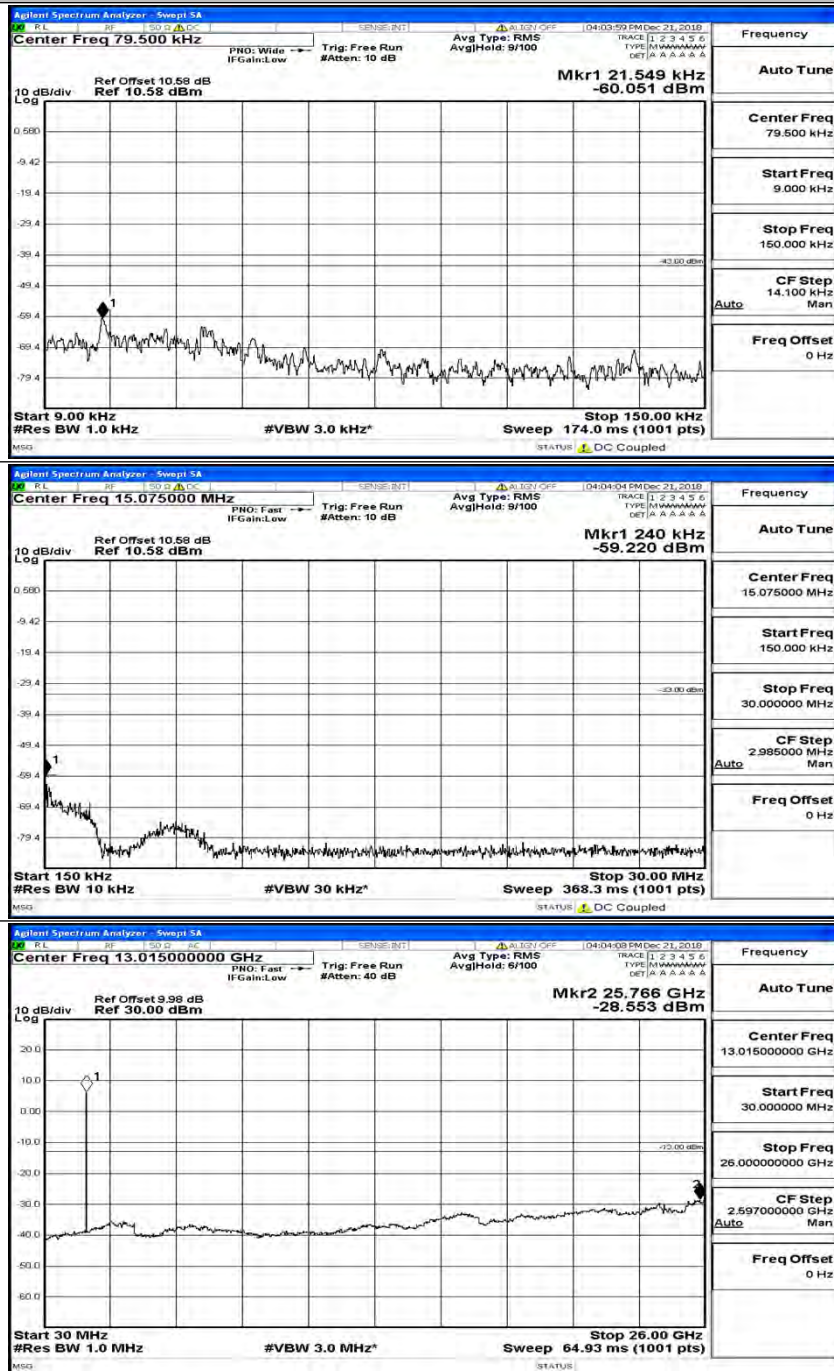
## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



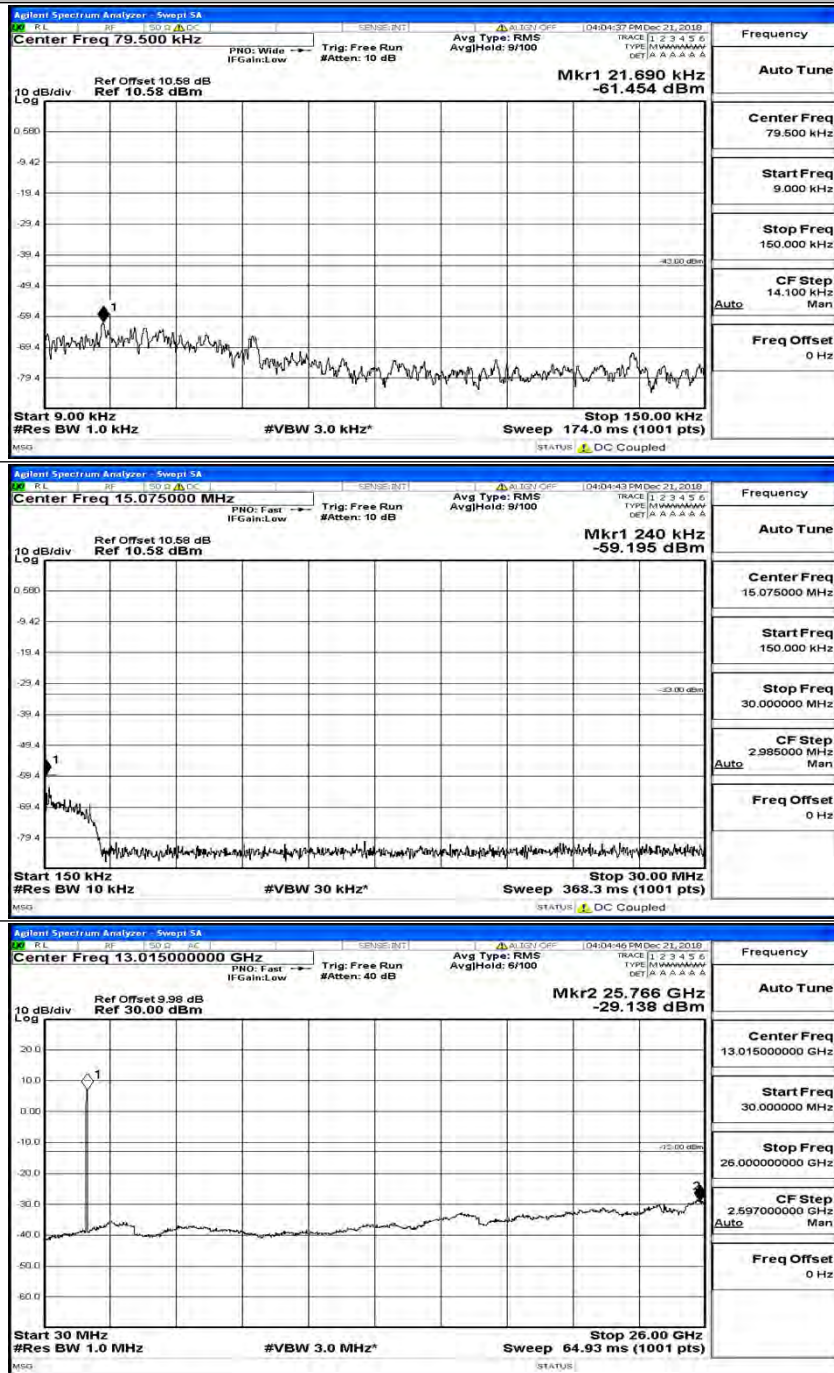
## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



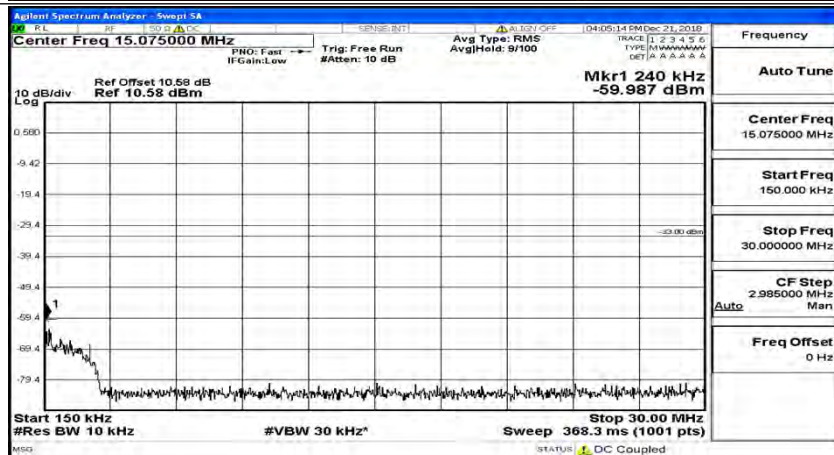
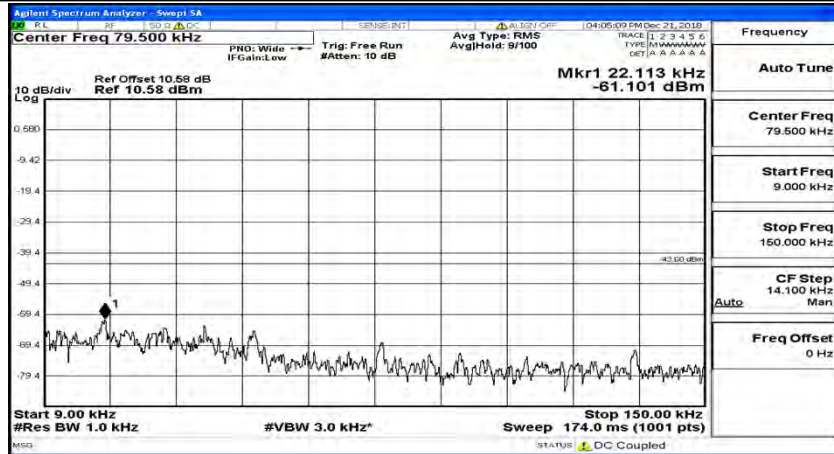
## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



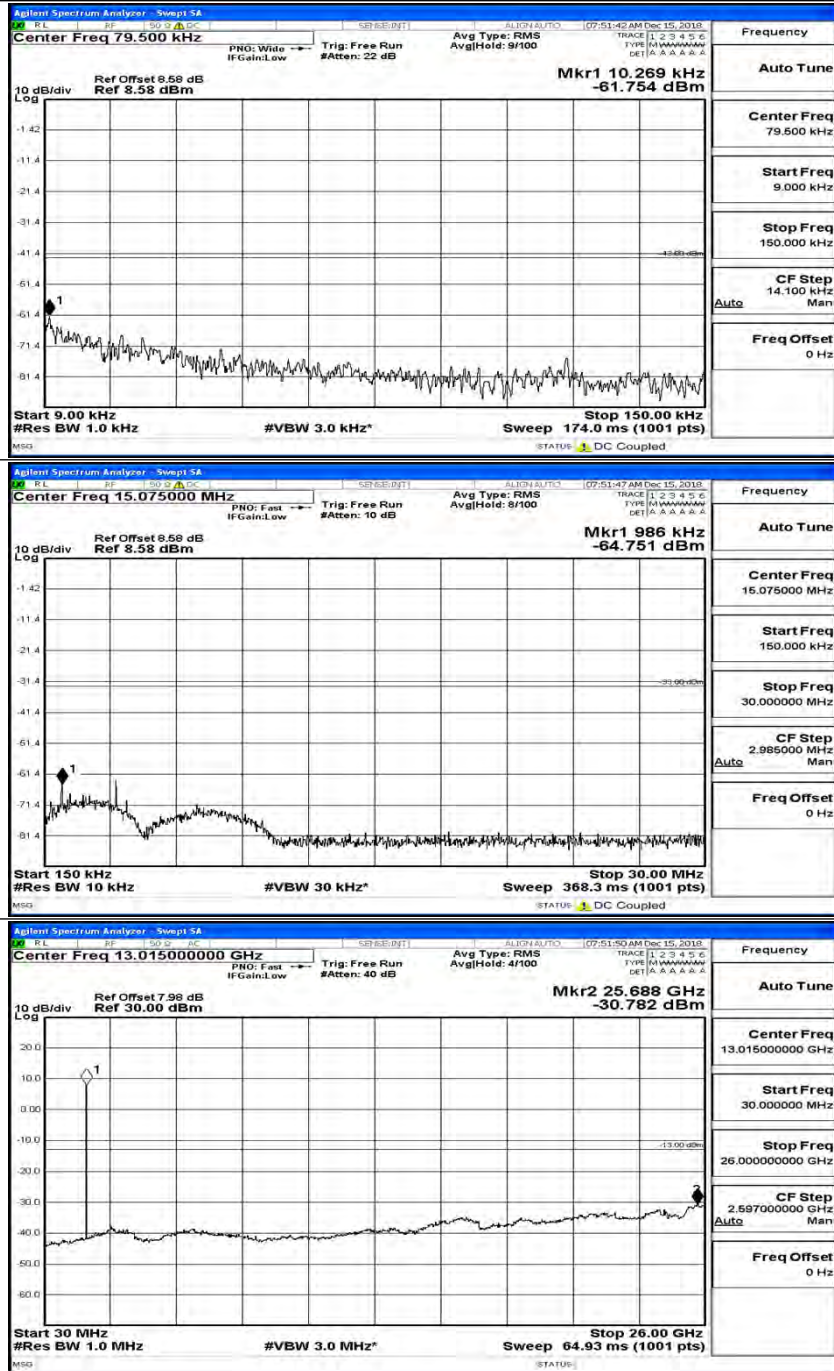
## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



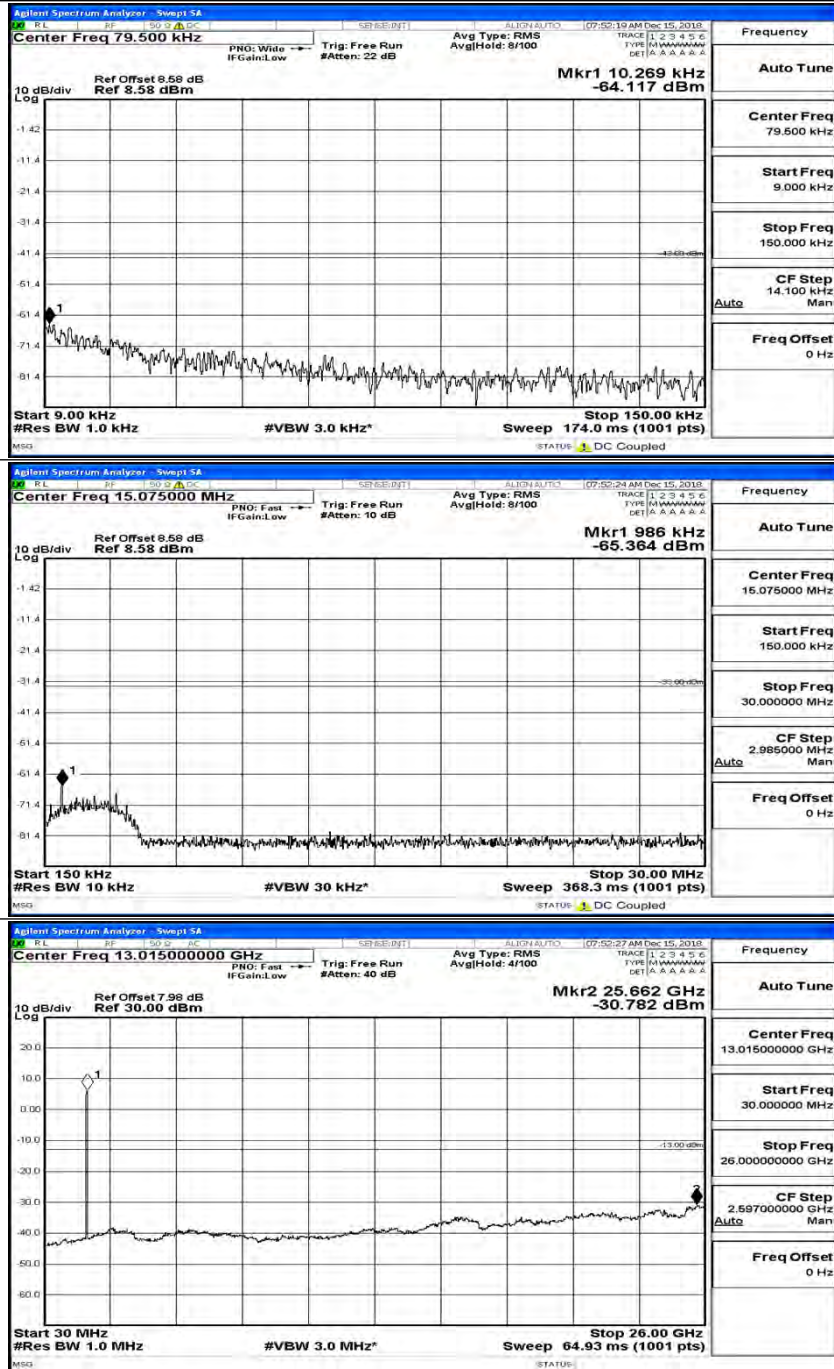
## CSE Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



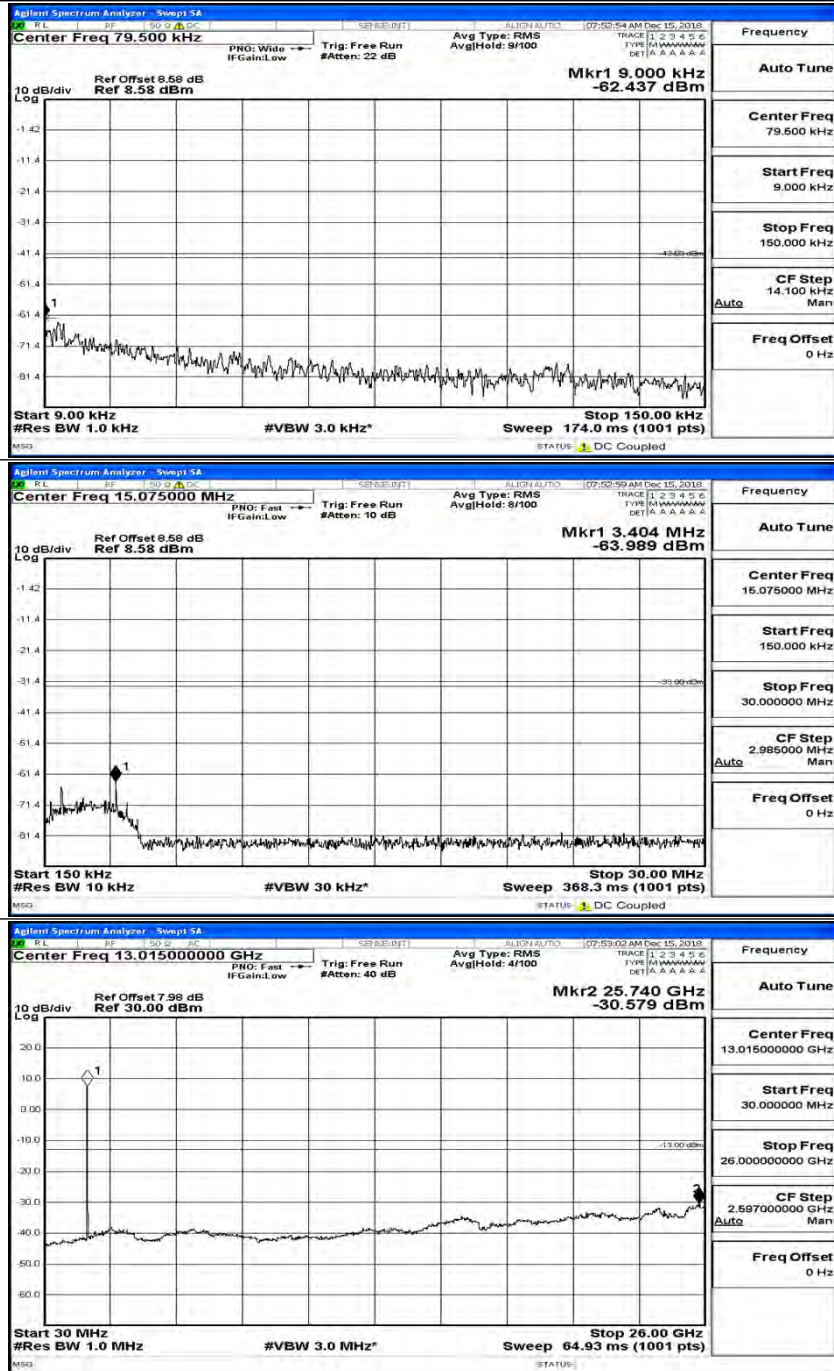
## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



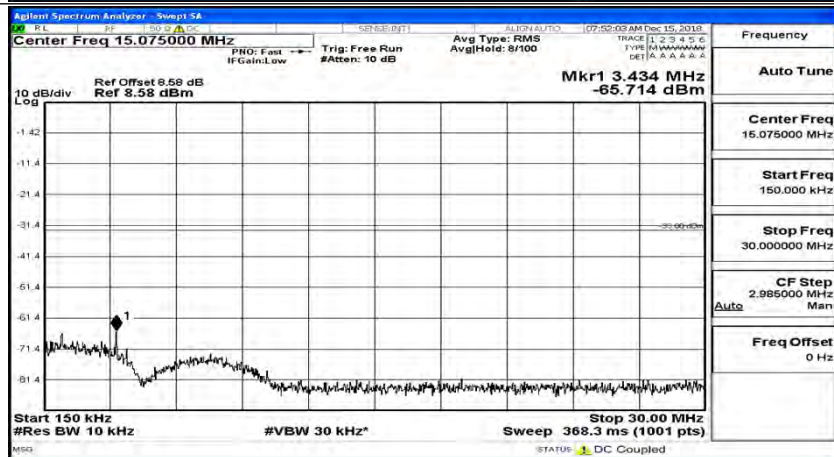
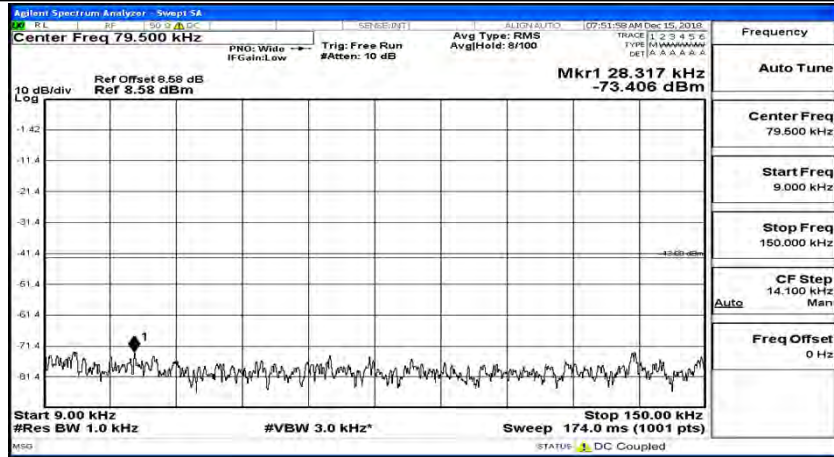
## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



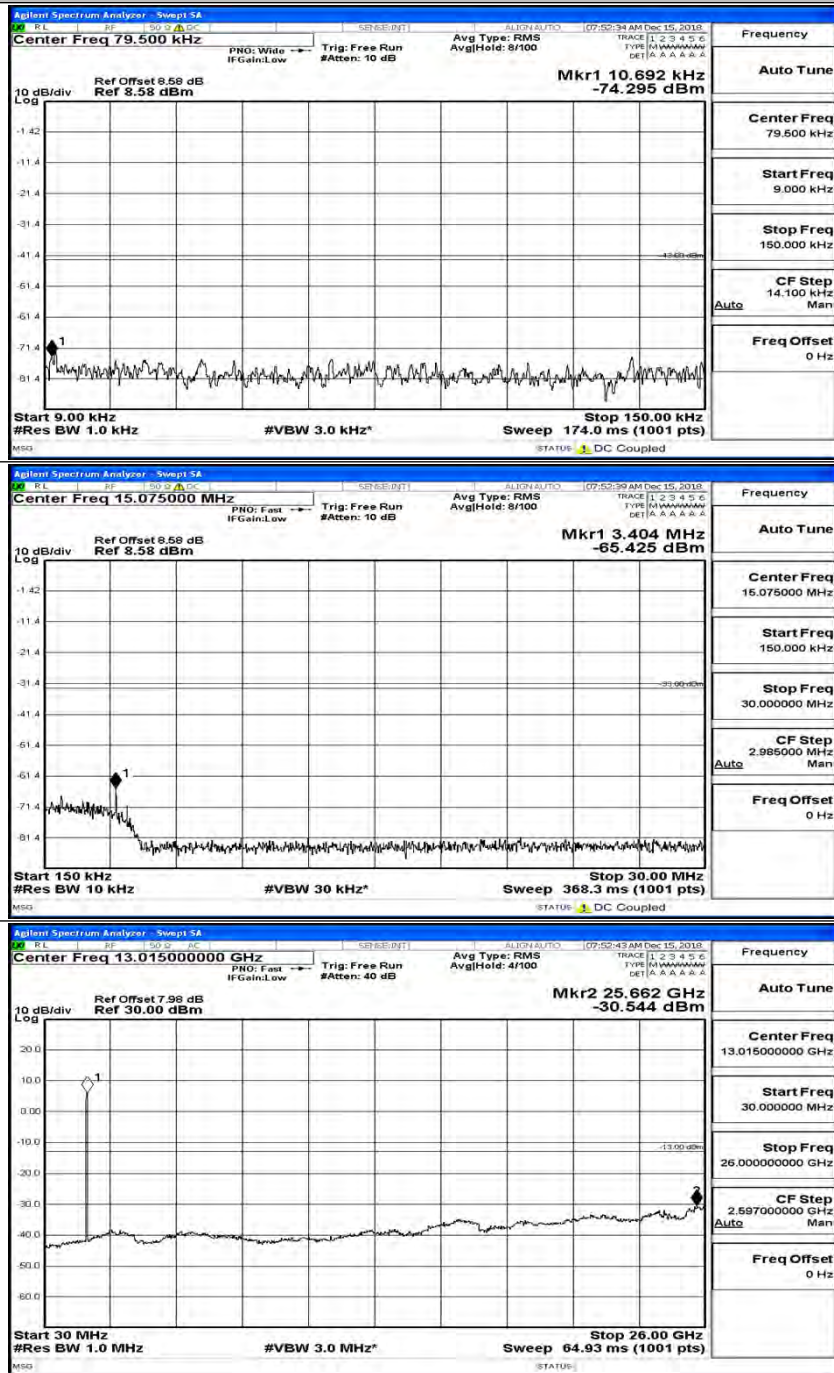
## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



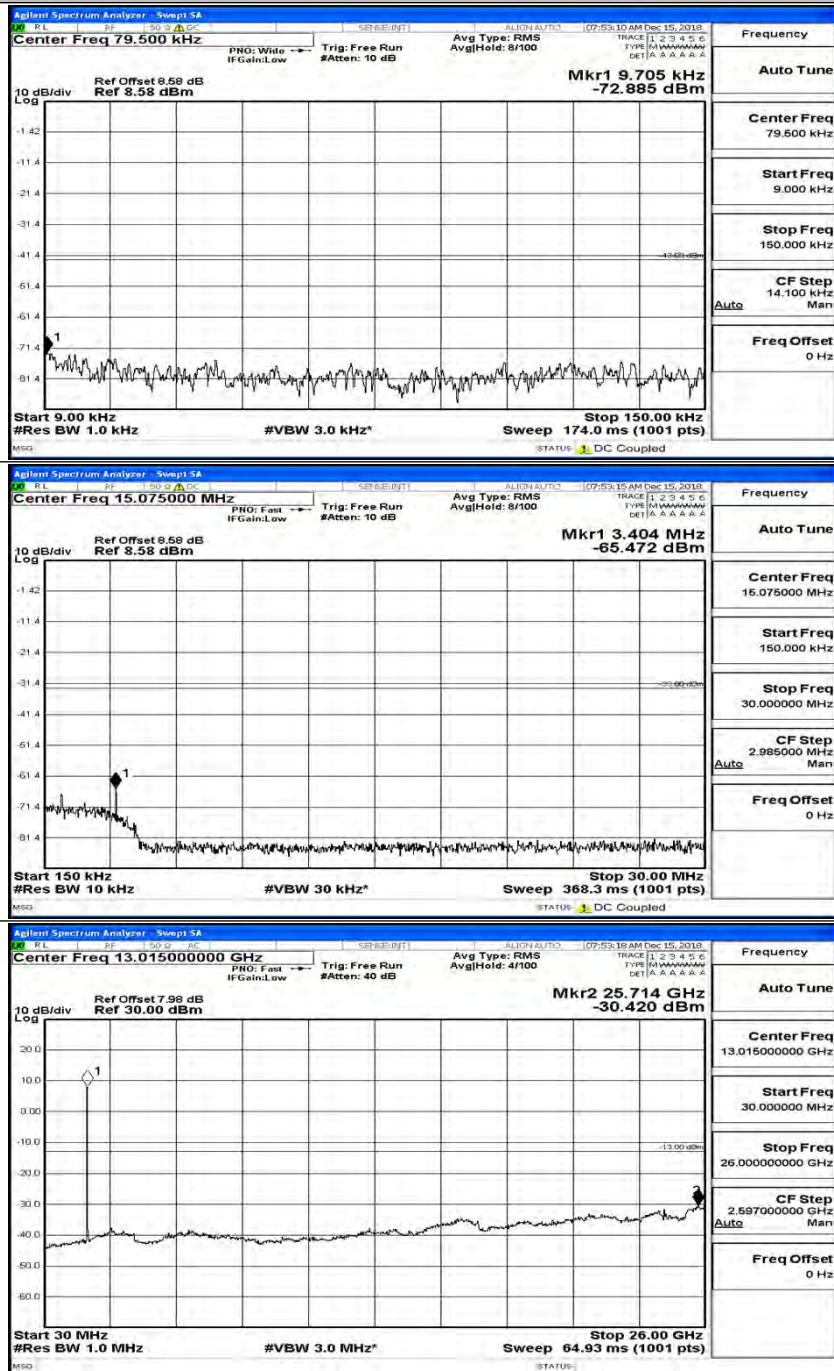
## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



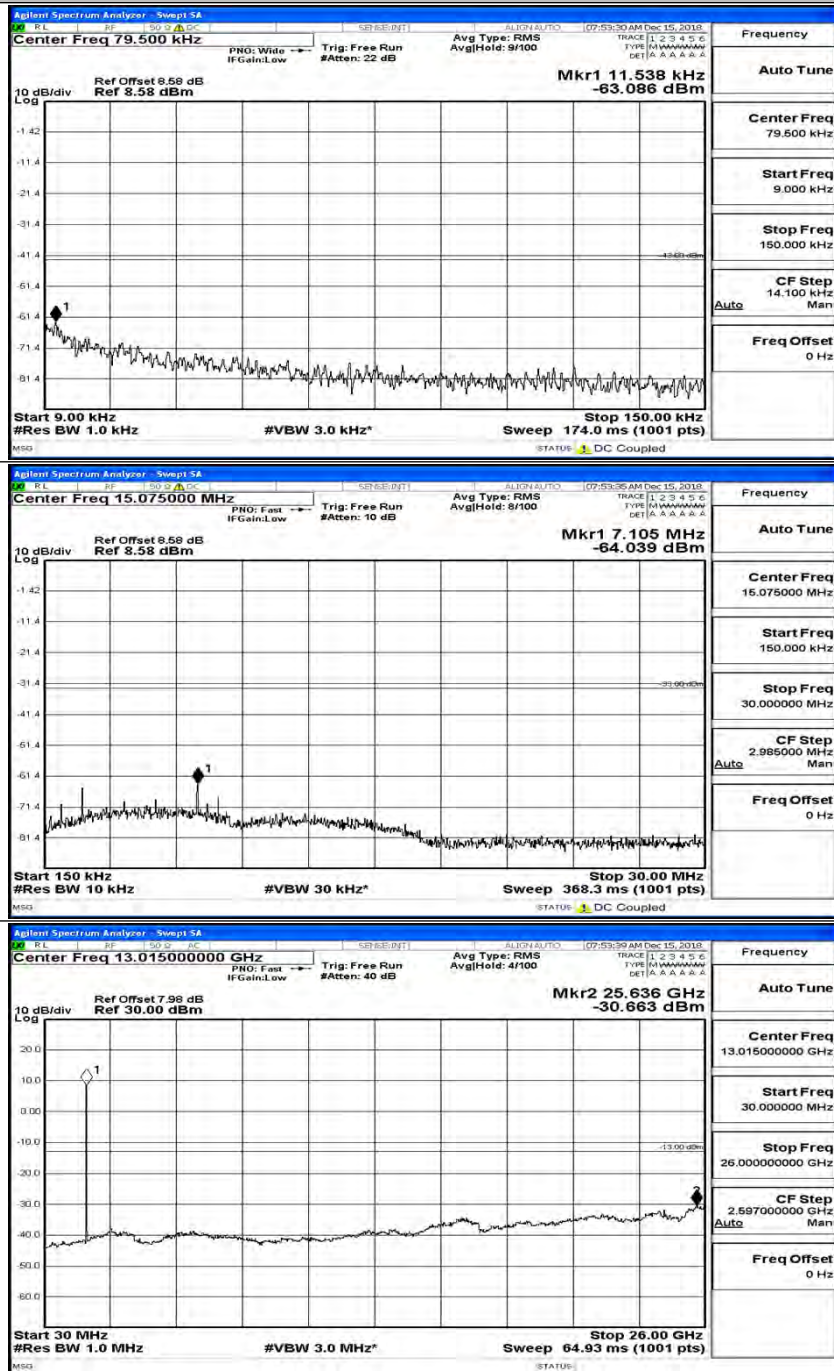
## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



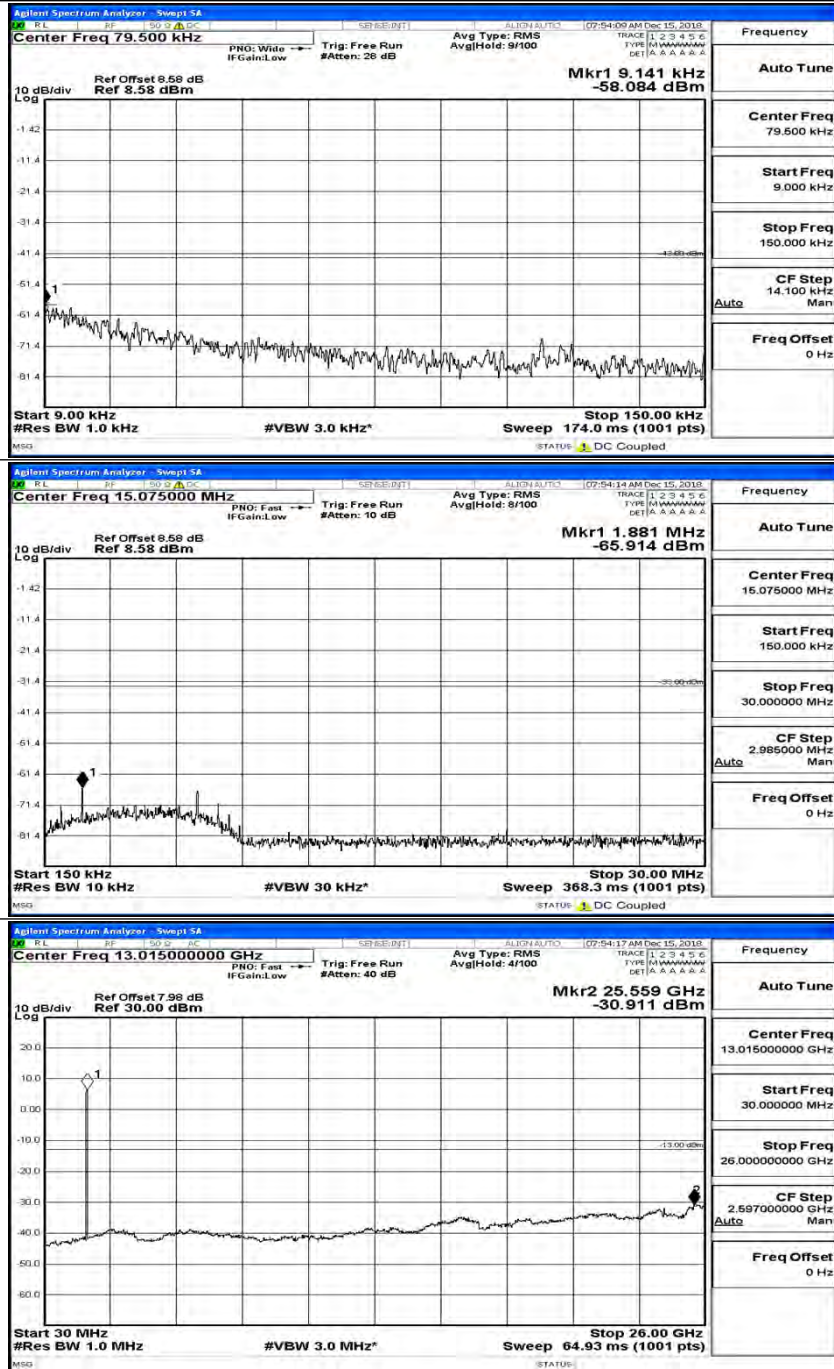
## CSE Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



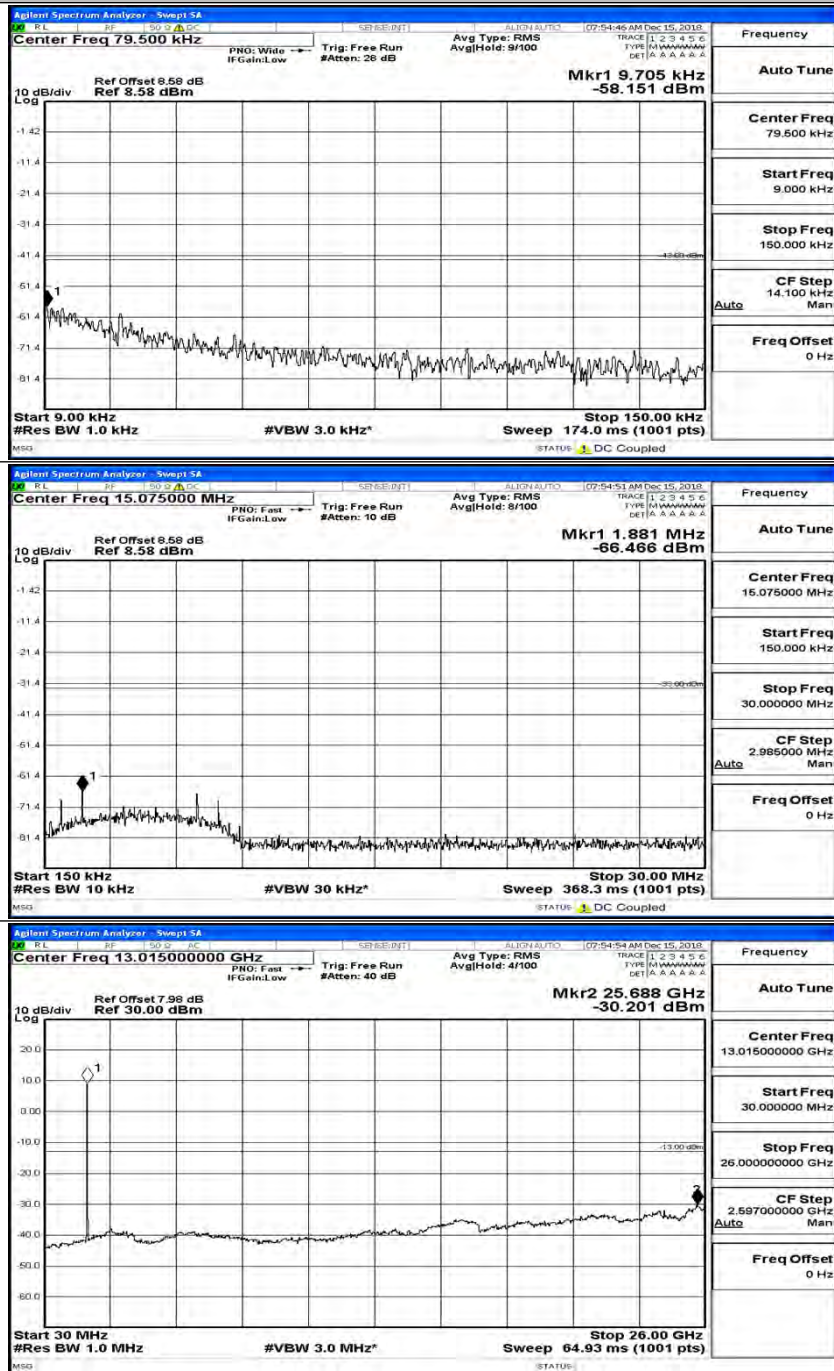
## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



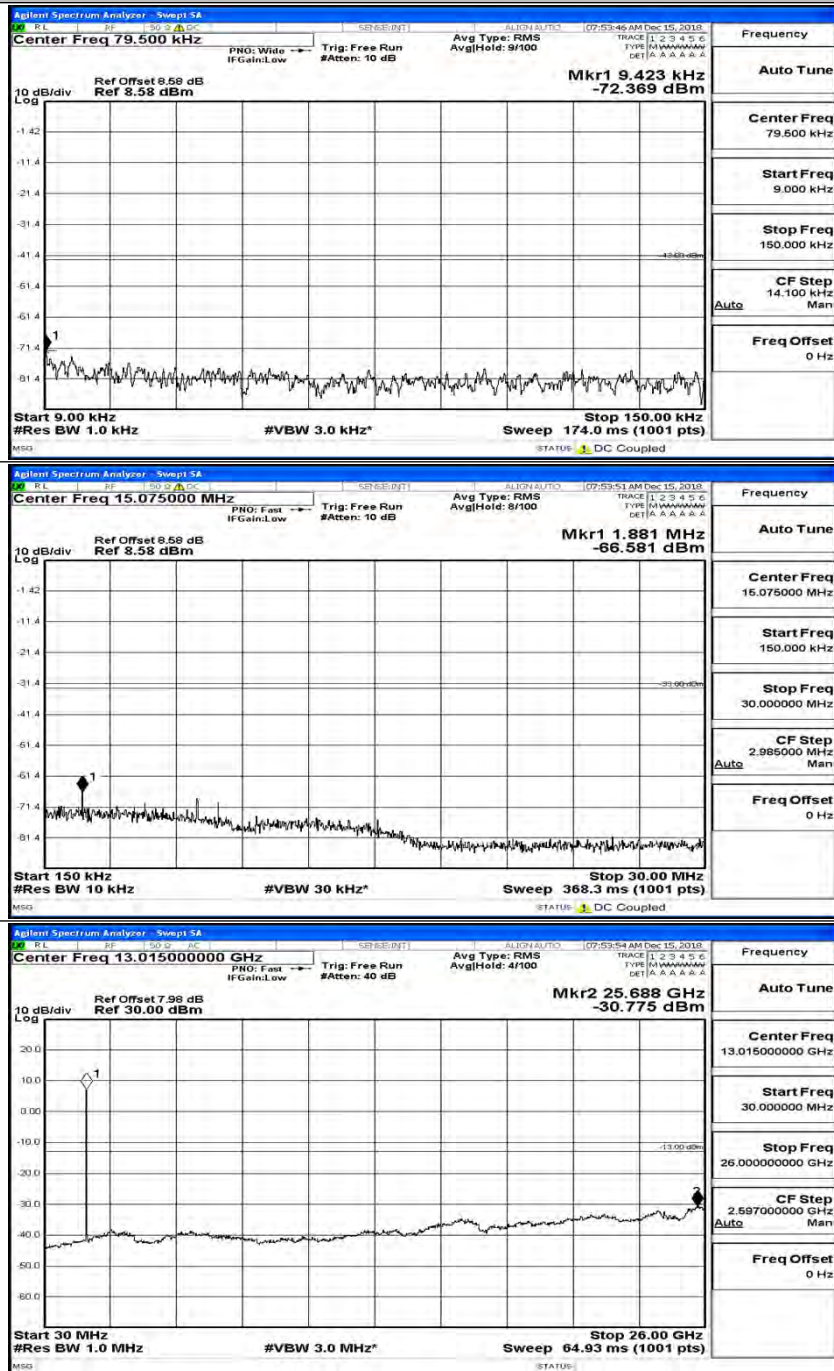
## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



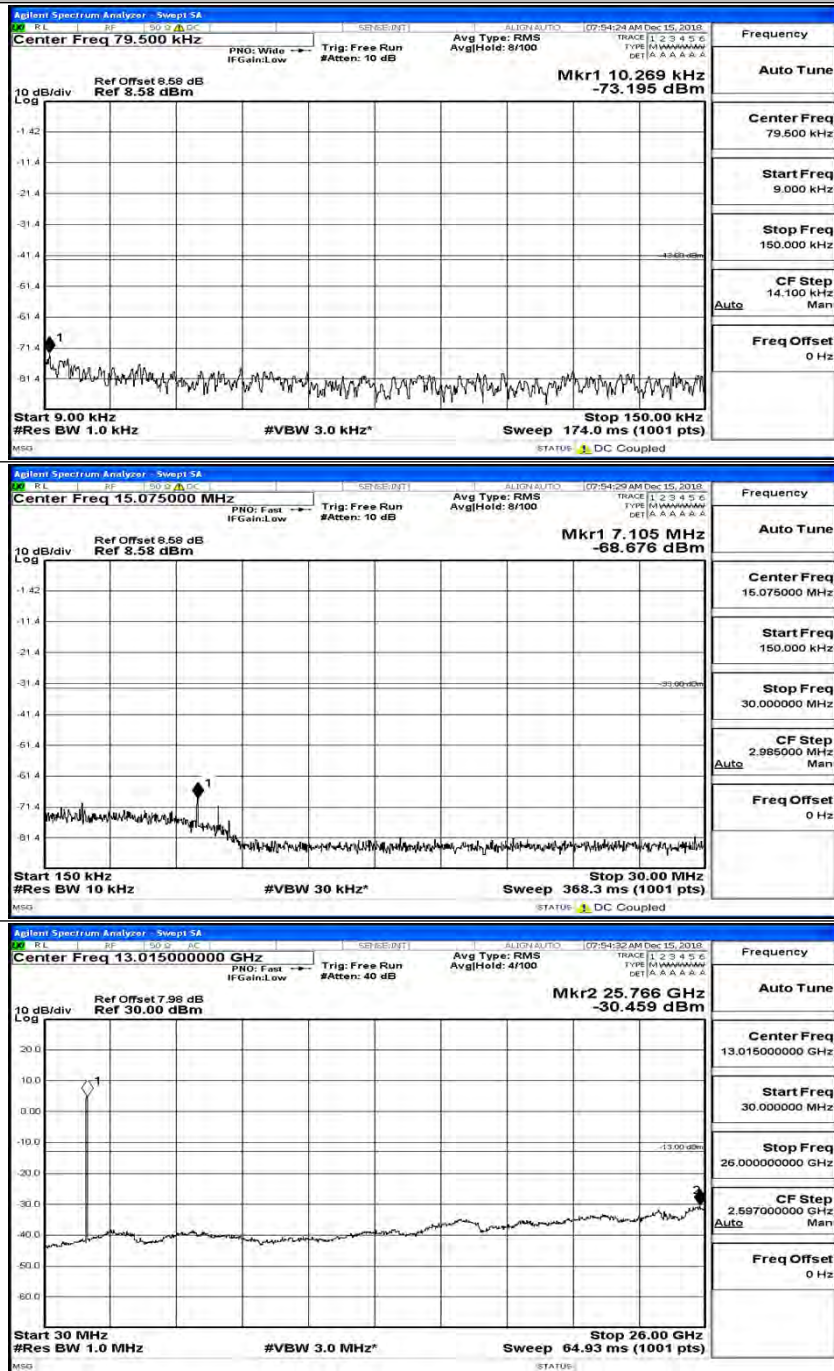
## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



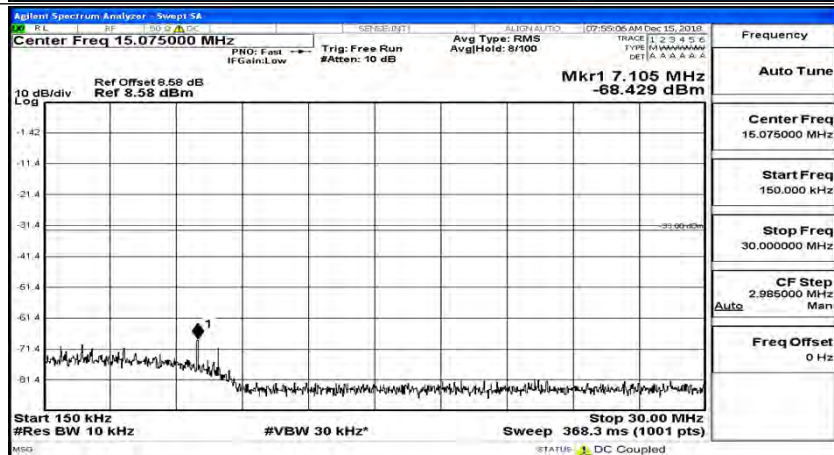
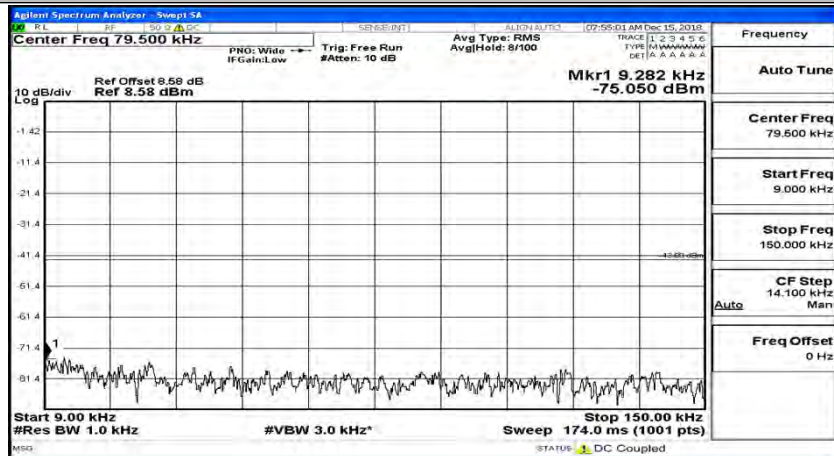
## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



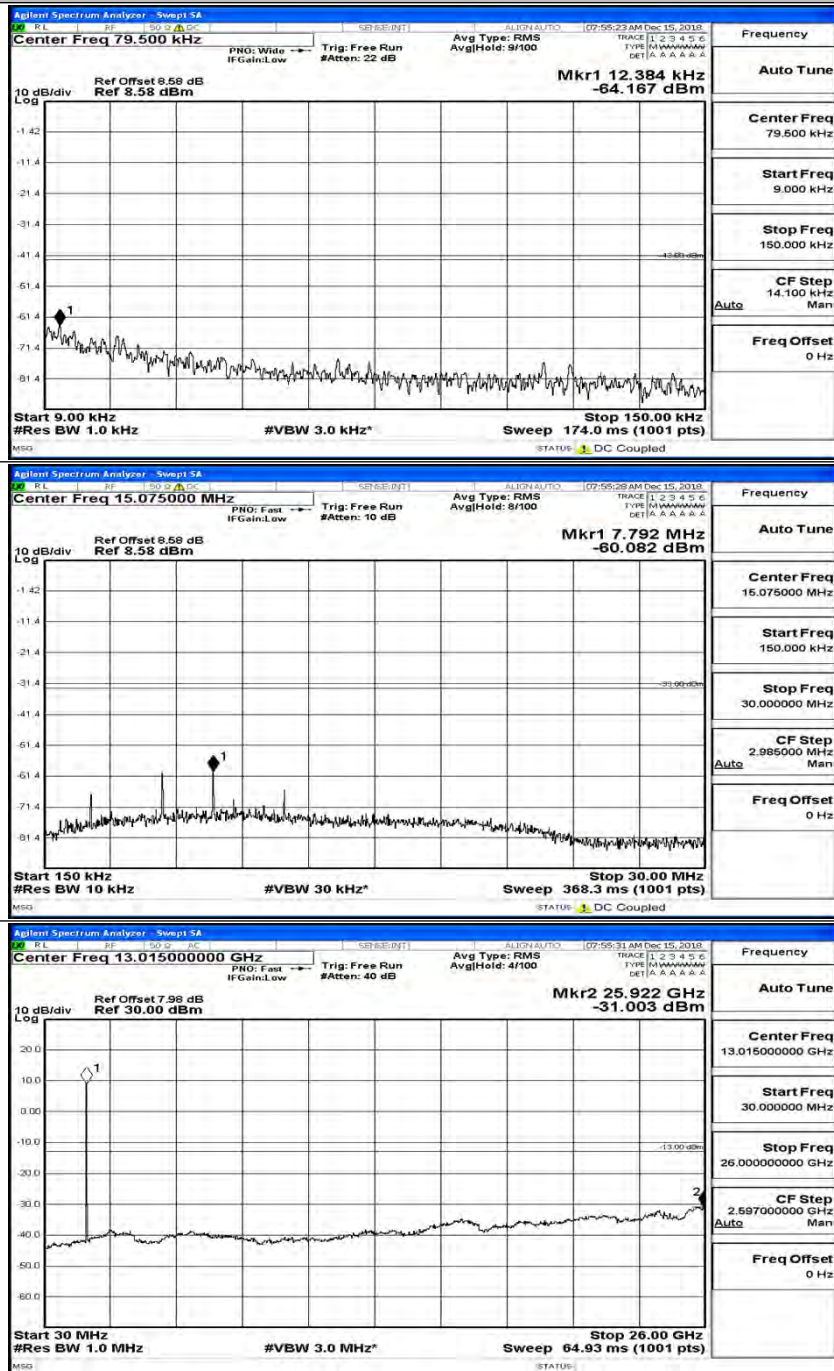
## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



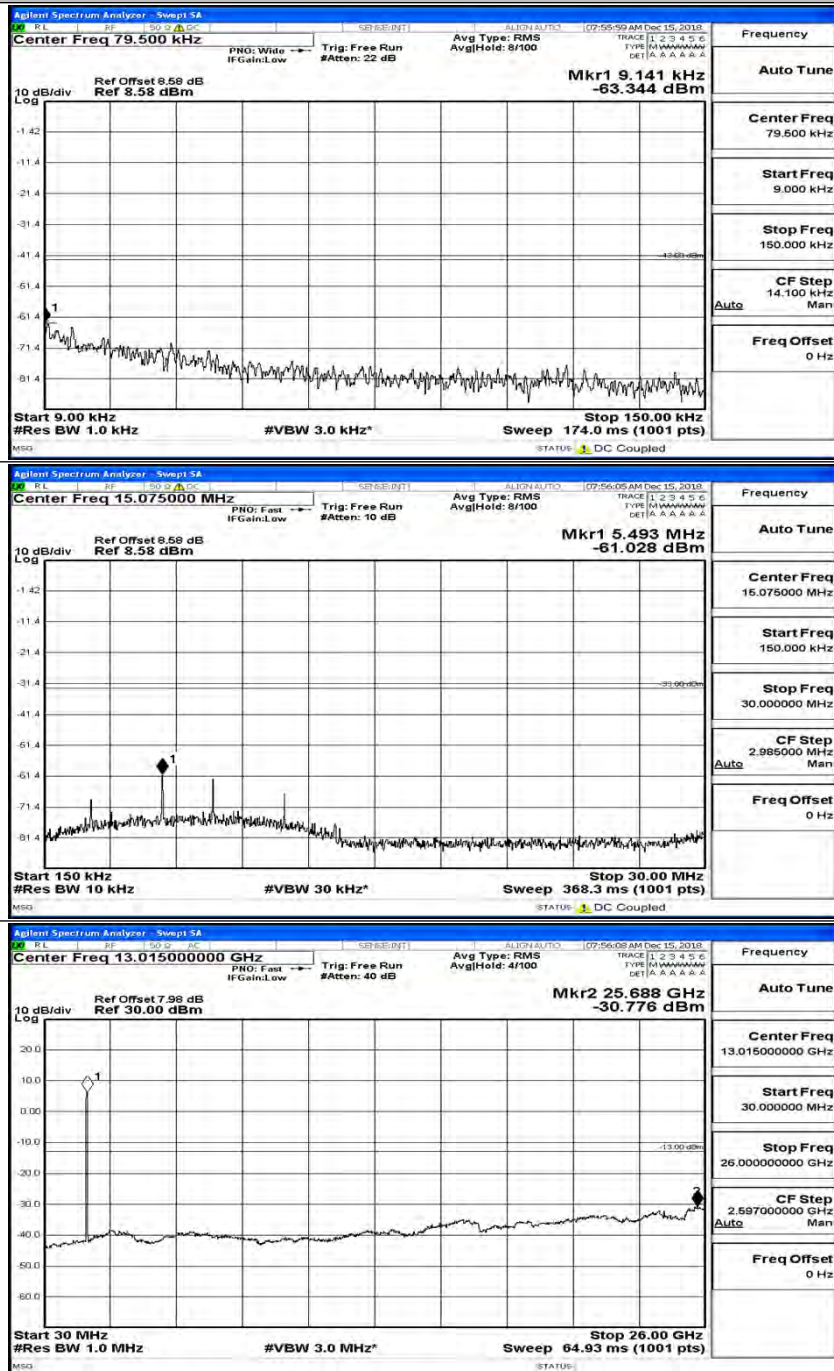
## CSE Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



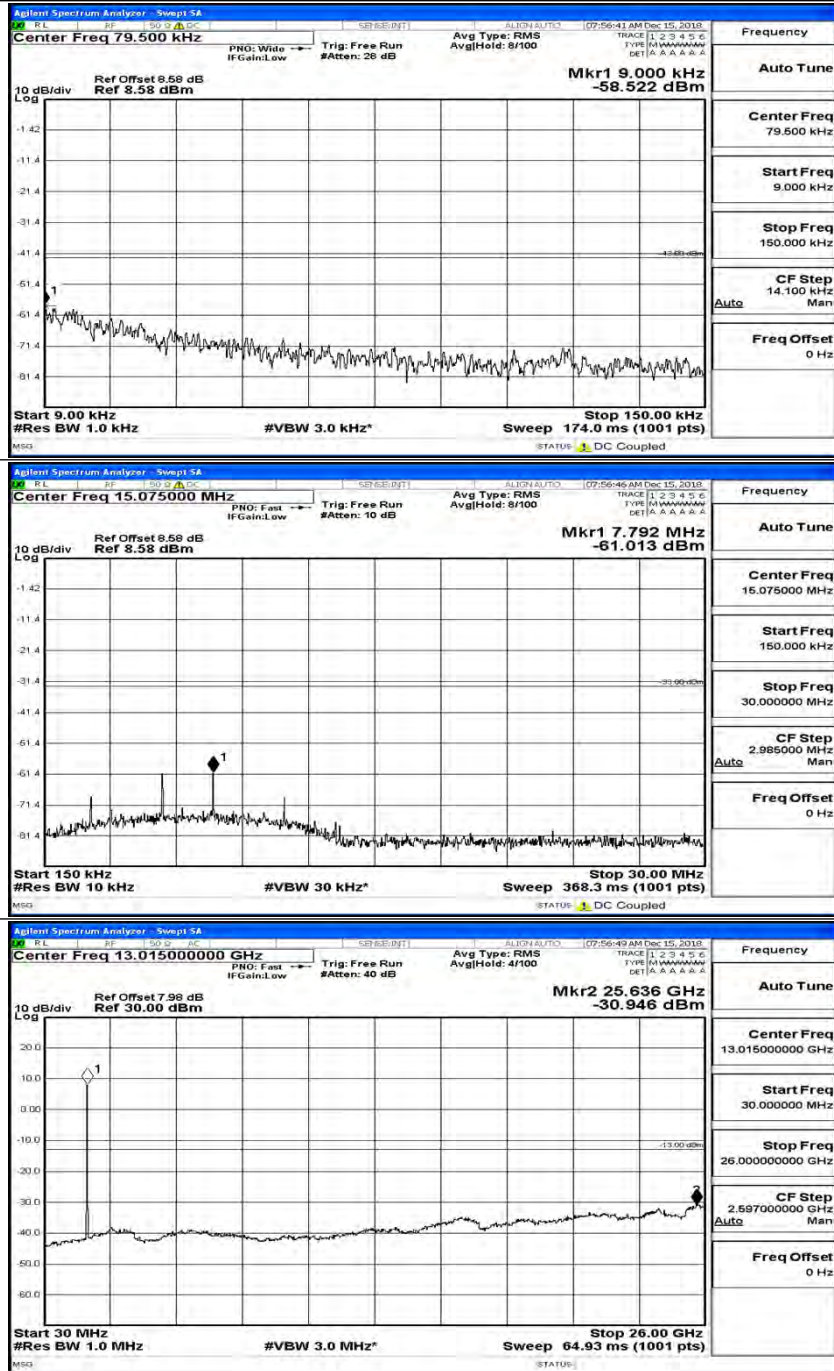
## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



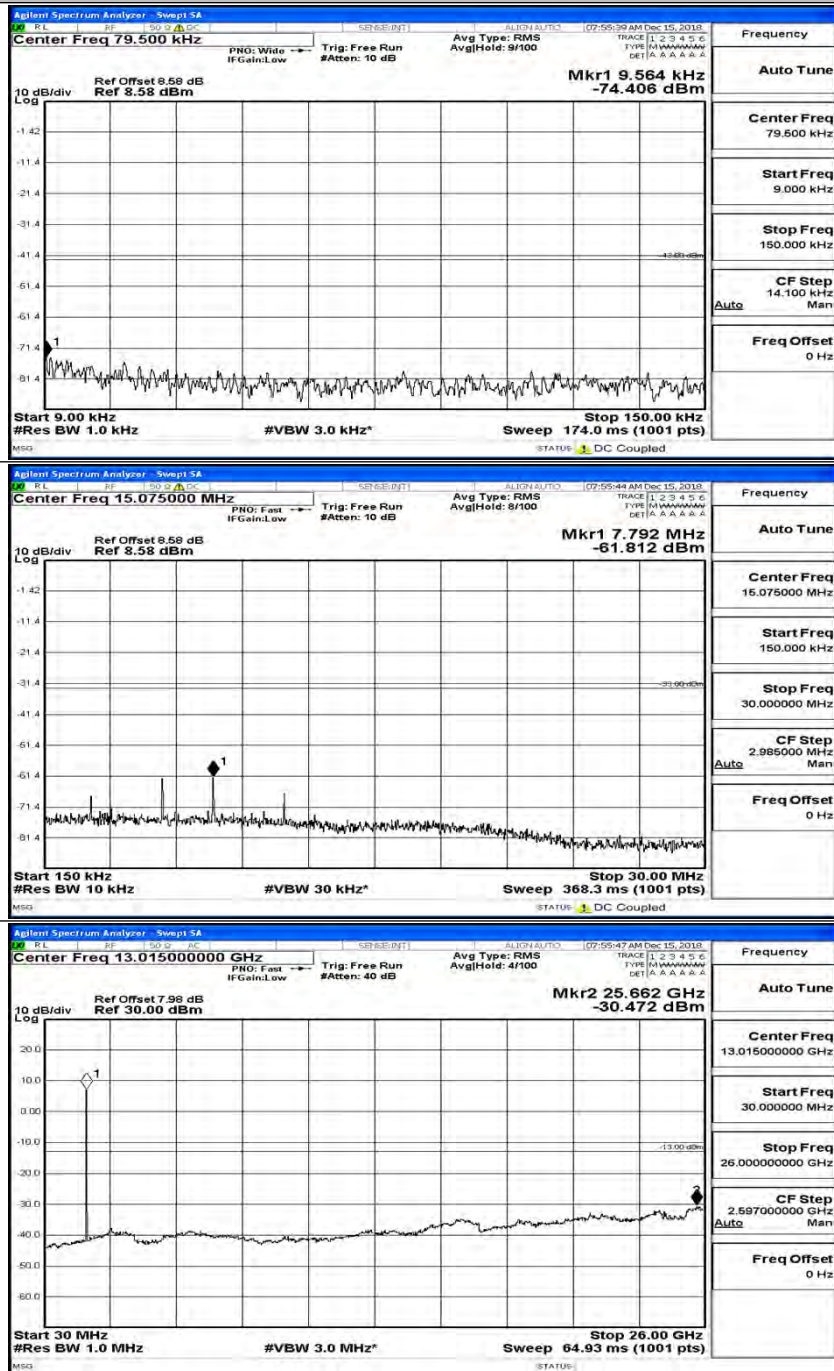
## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



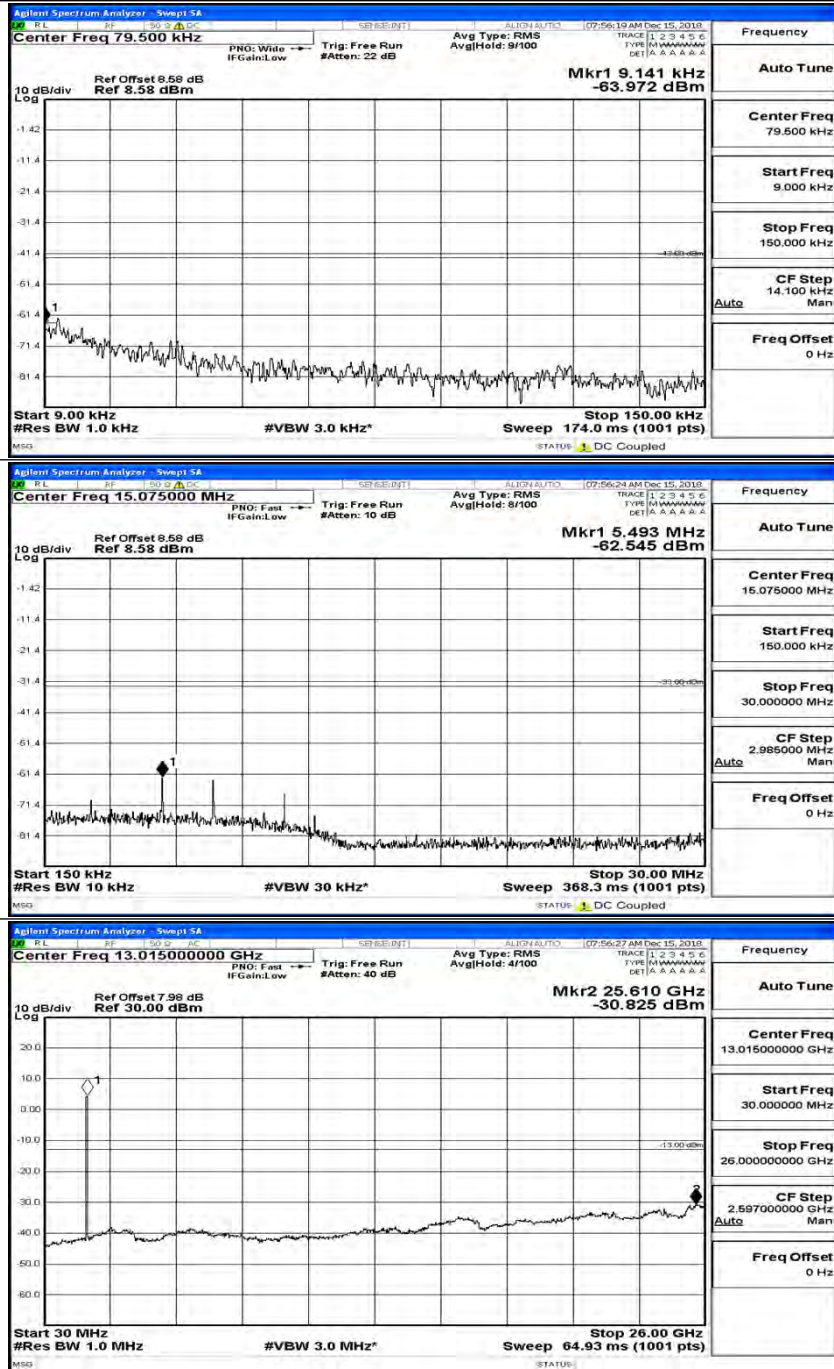
## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



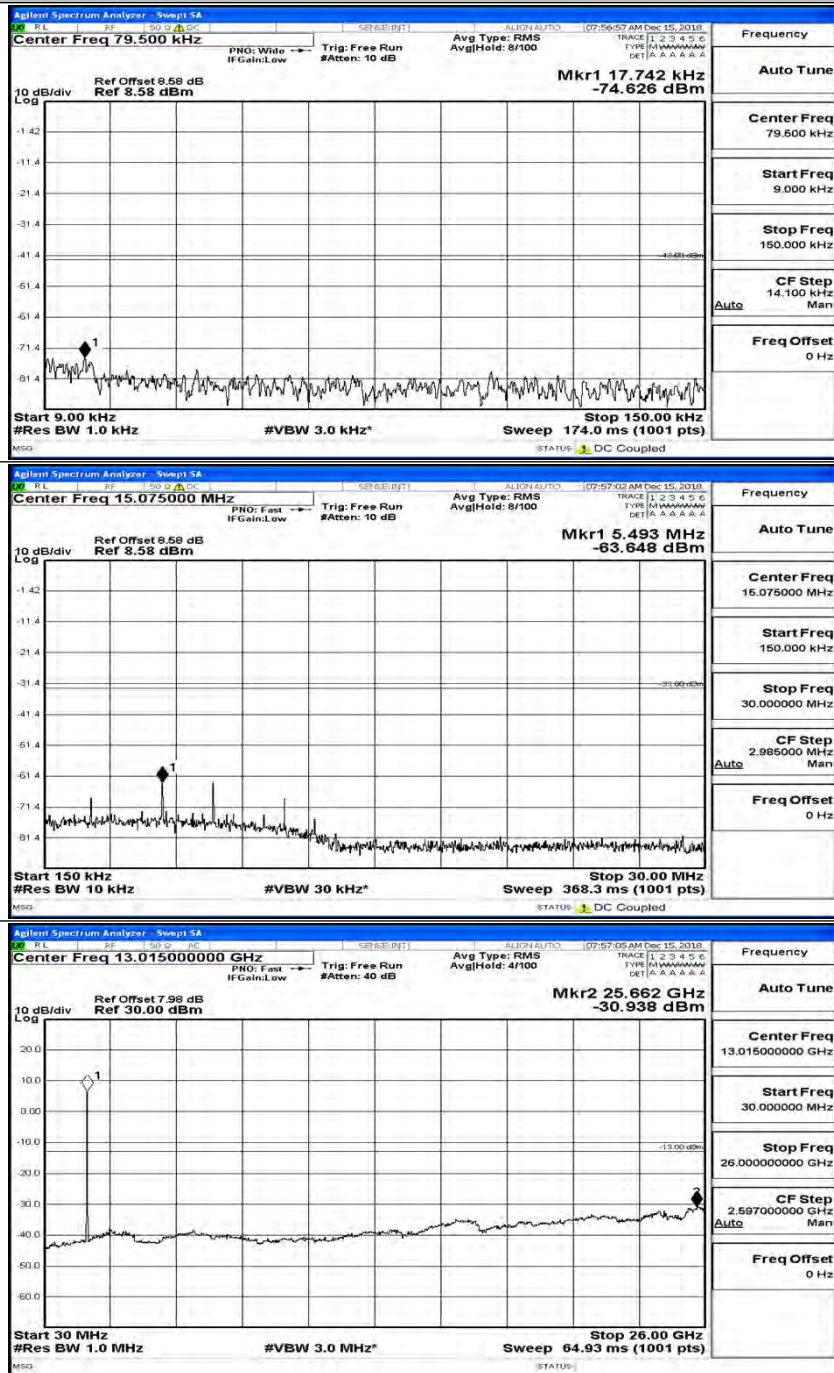
## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



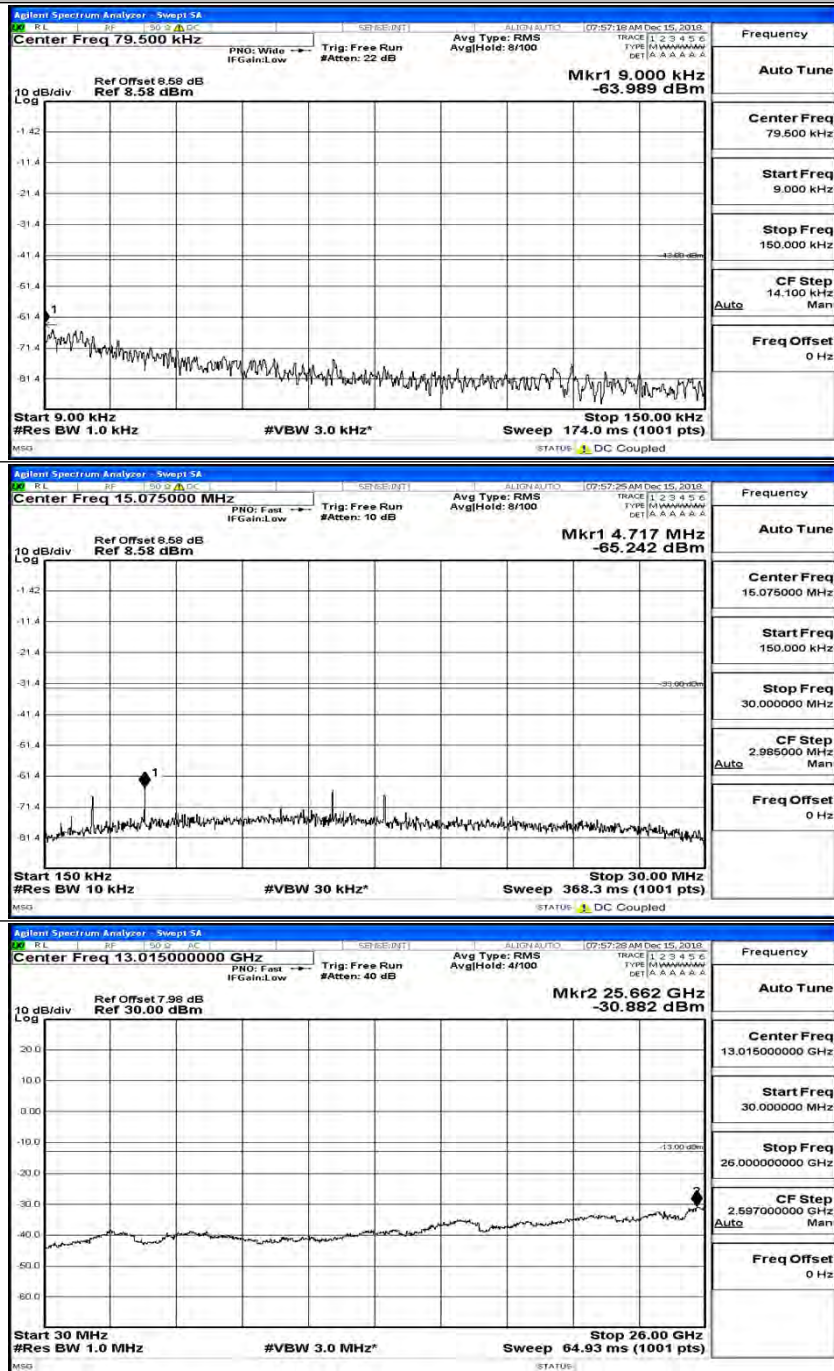
## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



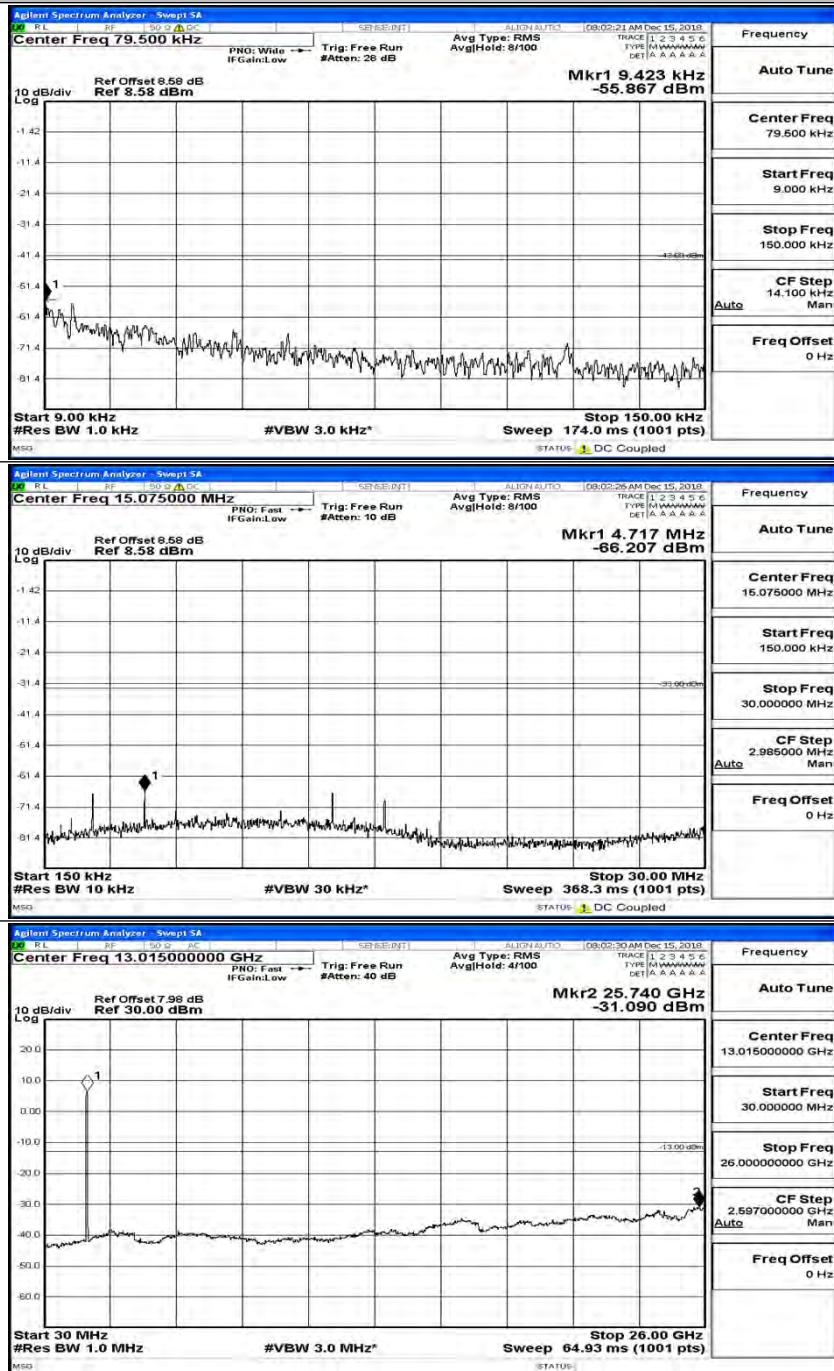
## CSE Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



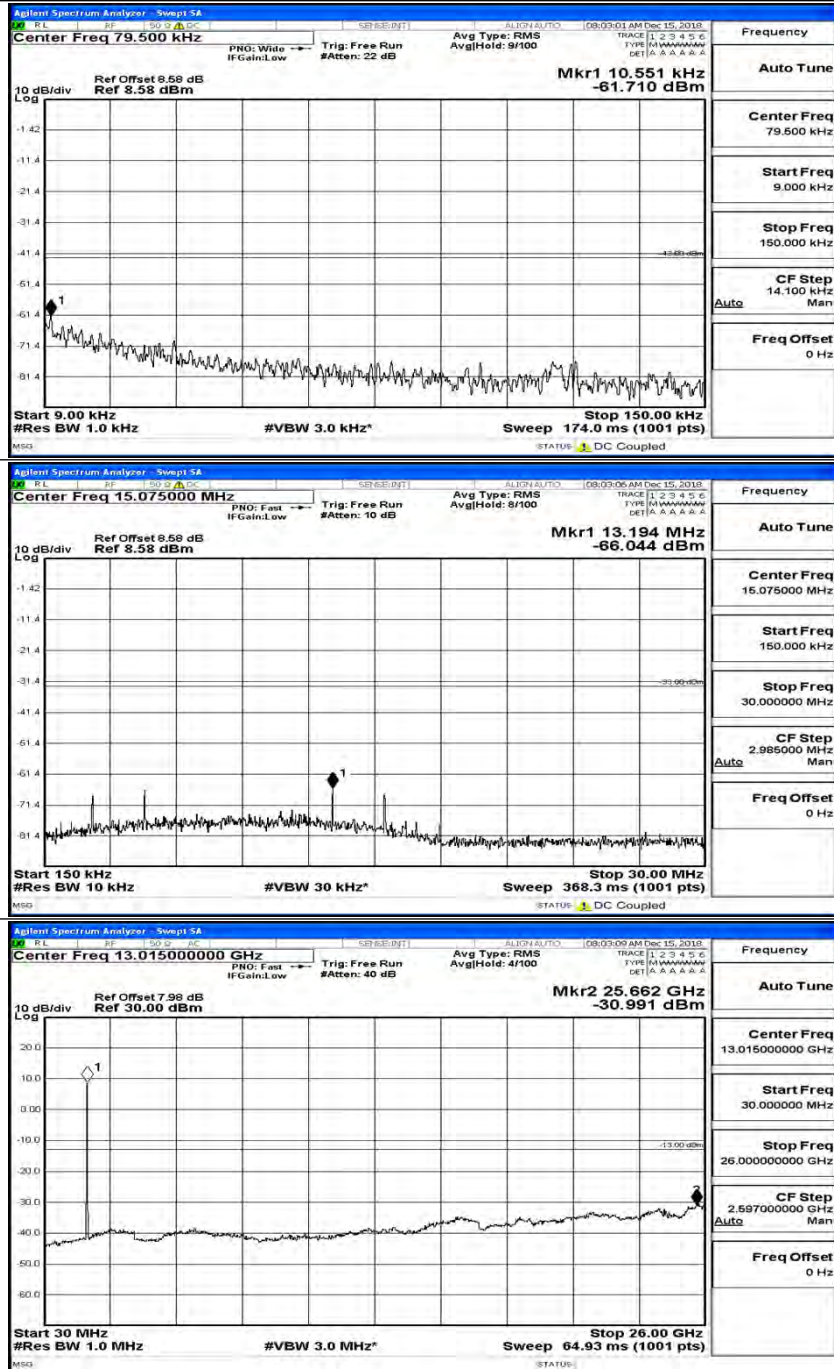
## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



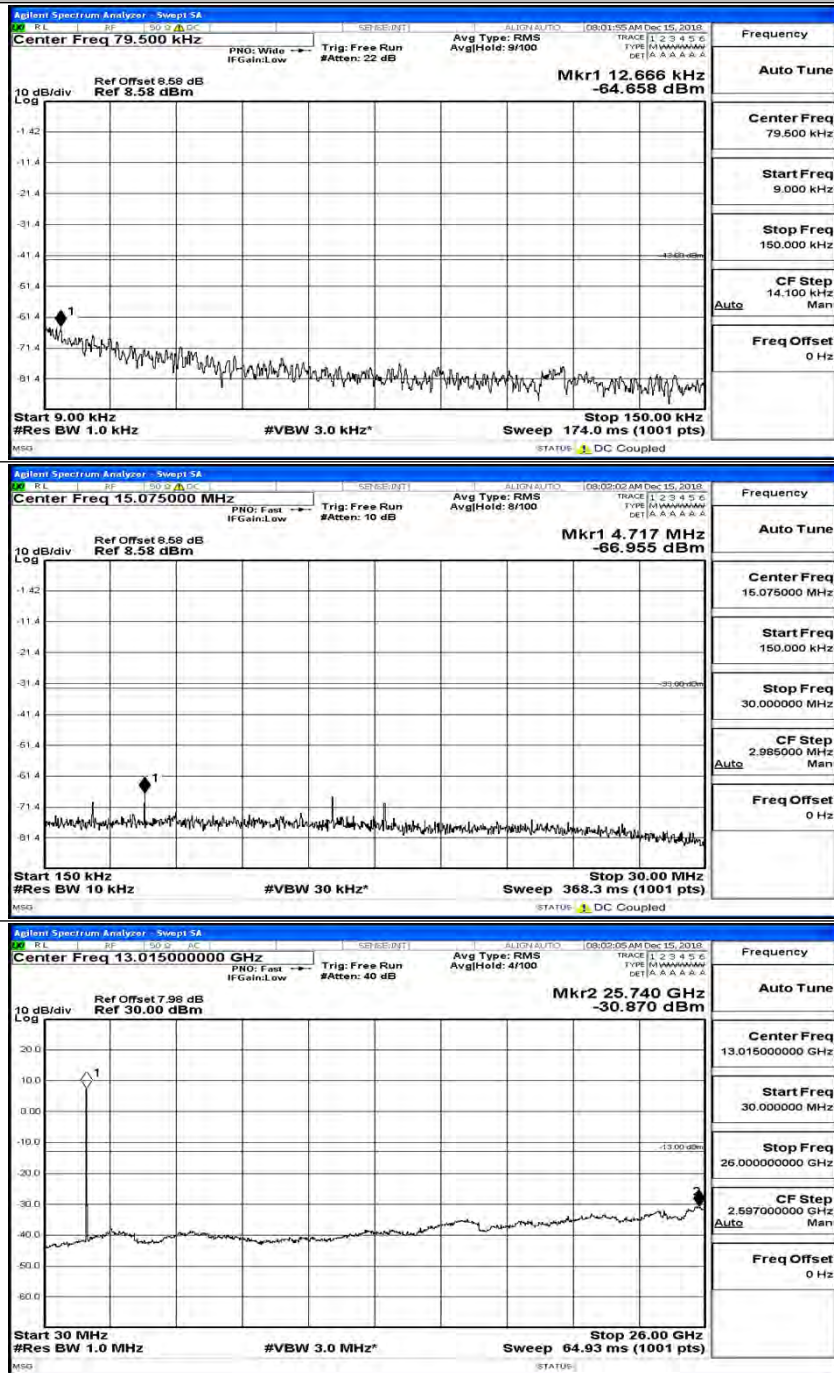
## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



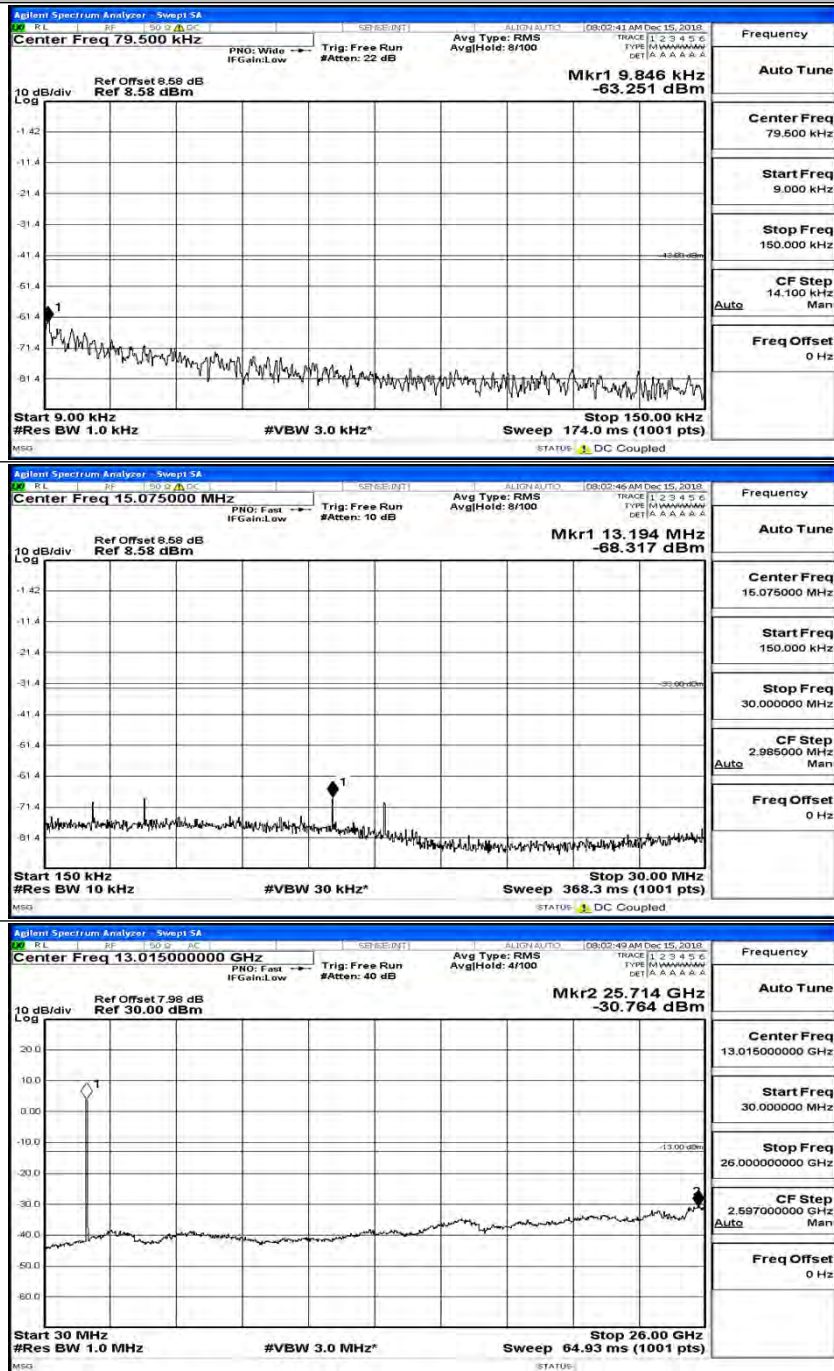
## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_16QAM



## CSE Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

