

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

Product Name: IOT Gateway

Trade Mark: N/A

Test Model: IOT-1110

### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 24.6° C   |
| Relative Humidity: | 54.1%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Ken He    |
| Supervised by:     | Li Huan   |

### C.1 Conducted Output Power

| Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz) |         |                  |        |                     |       |         |
|-----------------------------------------------------------------|---------|------------------|--------|---------------------|-------|---------|
| Modulation                                                      | Channel | RB Configuration |        | Average Power [dBm] |       | Verdict |
|                                                                 |         | Size             | Offset | QPSK                | 16QAM |         |
| QPSK / 16QAM                                                    | LCH     | 1                | 0      | 23.12               | 22.34 | PASS    |
|                                                                 |         | 1                | 3      | 23.05               | 22.37 | PASS    |
|                                                                 |         | 1                | 5      | 22.95               | 22.24 | PASS    |
|                                                                 |         | 3                | 0      | 22.91               | 22.13 | PASS    |
|                                                                 |         | 3                | 2      | 22.88               | 22.10 | PASS    |
|                                                                 |         | 3                | 3      | 22.83               | 22.01 | PASS    |
|                                                                 |         | 6                | 0      | 22.73               | 21.84 | PASS    |
|                                                                 | MCH     | 1                | 0      | 23.28               | 22.66 | PASS    |
|                                                                 |         | 1                | 3      | 23.26               | 22.44 | PASS    |
|                                                                 |         | 1                | 5      | 23.14               | 22.42 | PASS    |
|                                                                 |         | 3                | 0      | 23.34               | 22.46 | PASS    |
|                                                                 |         | 3                | 2      | 23.29               | 22.46 | PASS    |
|                                                                 |         | 3                | 3      | 23.19               | 22.37 | PASS    |
|                                                                 |         | 6                | 0      | 22.16               | 21.01 | PASS    |
|                                                                 | HCH     | 1                | 0      | 23.09               | 21.81 | PASS    |
|                                                                 |         | 1                | 3      | 23.24               | 21.90 | PASS    |
|                                                                 |         | 1                | 5      | 23.34               | 21.80 | PASS    |
|                                                                 |         | 3                | 0      | 23.17               | 21.87 | PASS    |
|                                                                 |         | 3                | 2      | 23.25               | 21.80 | PASS    |
|                                                                 |         | 3                | 3      | 23.24               | 21.89 | PASS    |
|                                                                 |         | 6                | 0      | 22.07               | 21.06 | PASS    |

| Conducted Output Power Test Result (Channel Bandwidth: 3 MHz) |         |                  |        |                     |       |         |
|---------------------------------------------------------------|---------|------------------|--------|---------------------|-------|---------|
| Modulation                                                    | Channel | RB Configuration |        | Average Power [dBm] |       | Verdict |
|                                                               |         | Size             | Offset | QPSK                | 16QAM |         |
| QPSK /<br>16QAM                                               | LCH     | 1                | 0      | 22.70               | 22.00 | PASS    |
|                                                               |         | 1                | 7      | 22.66               | 22.04 | PASS    |
|                                                               |         | 1                | 14     | 22.51               | 21.84 | PASS    |
|                                                               |         | 8                | 0      | 22.52               | 21.68 | PASS    |
|                                                               |         | 8                | 4      | 22.50               | 21.68 | PASS    |
|                                                               |         | 8                | 7      | 22.44               | 21.59 | PASS    |
|                                                               |         | 15               | 0      | 22.43               | 21.58 | PASS    |
|                                                               | MCH     | 1                | 0      | 23.18               | 22.54 | PASS    |
|                                                               |         | 1                | 7      | 23.45               | 22.62 | PASS    |
|                                                               |         | 1                | 14     | 23.58               | 22.45 | PASS    |
|                                                               |         | 8                | 0      | 22.32               | 21.24 | PASS    |
|                                                               |         | 8                | 4      | 22.29               | 21.37 | PASS    |
|                                                               |         | 8                | 7      | 22.17               | 21.31 | PASS    |
|                                                               |         | 15               | 0      | 22.21               | 21.21 | PASS    |
|                                                               | HCH     | 1                | 0      | 23.05               | 22.06 | PASS    |
|                                                               |         | 1                | 7      | 23.39               | 22.37 | PASS    |
|                                                               |         | 1                | 14     | 23.25               | 22.54 | PASS    |
|                                                               |         | 8                | 0      | 22.08               | 20.96 | PASS    |
|                                                               |         | 8                | 4      | 22.07               | 21.10 | PASS    |
|                                                               |         | 8                | 7      | 22.12               | 20.99 | PASS    |
|                                                               |         | 15               | 0      | 22.01               | 21.15 | 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      | 22.69               | 21.85               | PASS    |
|                                                               |         | 1                | 12     | 22.64               | 21.87               | PASS    |
|                                                               |         | 1                | 24     | 22.57               | 21.85               | PASS    |
|                                                               |         | 12               | 0      | 22.40               | 21.56               | PASS    |
|                                                               |         | 12               | 6      | 22.41               | 21.57               | PASS    |
|                                                               |         | 12               | 13     | 22.41               | 21.55               | PASS    |
|                                                               |         | 25               | 0      | 22.39               | 21.52               | PASS    |
|                                                               | MCH     | 1                | 0      | 23.01               | 22.08               | PASS    |
|                                                               |         | 1                | 12     | 23.35               | 21.99               | PASS    |
|                                                               |         | 1                | 24     | 23.07               | 21.86               | PASS    |
|                                                               |         | 12               | 0      | 22.26               | 21.34               | PASS    |
|                                                               |         | 12               | 6      | 22.27               | 21.37               | PASS    |
|                                                               |         | 12               | 13     | 22.21               | 21.28               | PASS    |
|                                                               |         | 25               | 0      | 22.18               | 21.49               | PASS    |
|                                                               | HCH     | 1                | 0      | 23.09               | 21.84               | PASS    |
|                                                               |         | 1                | 12     | 23.40               | 22.23               | PASS    |
|                                                               |         | 1                | 24     | 23.59               | 22.29               | PASS    |
|                                                               |         | 12               | 0      | 22.02               | 20.96               | PASS    |
|                                                               |         | 12               | 6      | 22.20               | 20.94               | PASS    |
|                                                               |         | 12               | 13     | 22.21               | 21.07               | PASS    |
|                                                               |         | 25               | 0      | 22.08               | 21.14               | PASS    |

## Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)

| Modulation      | Channel | RB Configuration |        | Average Power [dBm]<br>QPSK | Average Power [dBm]<br>16QAM | Verdict |
|-----------------|---------|------------------|--------|-----------------------------|------------------------------|---------|
|                 |         | Size             | Offset |                             |                              |         |
| QPSK /<br>16QAM | LCH     | 1                | 0      | 21.87                       | 21.22                        | PASS    |
|                 |         | 1                | 24     | 22.79                       | 22.20                        | PASS    |
|                 |         | 1                | 49     | 22.84                       | 22.22                        | PASS    |
|                 |         | 25               | 0      | 22.24                       | 21.32                        | PASS    |
|                 |         | 25               | 12     | 22.61                       | 21.72                        | PASS    |
|                 |         | 25               | 25     | 22.79                       | 21.91                        | PASS    |
|                 |         | 50               | 0      | 22.47                       | 21.59                        | PASS    |
|                 | MCH     | 1                | 0      | 22.40                       | 21.90                        | PASS    |
|                 |         | 1                | 24     | 23.33                       | 22.87                        | PASS    |
|                 |         | 1                | 49     | 23.45                       | 22.97                        | PASS    |
|                 |         | 25               | 0      | 22.27                       | 21.50                        | PASS    |
|                 |         | 25               | 12     | 22.33                       | 21.50                        | PASS    |
|                 |         | 25               | 25     | 22.21                       | 21.24                        | PASS    |
|                 |         | 50               | 0      | 22.16                       | 21.23                        | PASS    |
|                 | HCH     | 1                | 0      | 22.76                       | 22.22                        | PASS    |
|                 |         | 1                | 24     | 23.10                       | 22.63                        | PASS    |
|                 |         | 1                | 49     | 22.67                       | 22.21                        | PASS    |
|                 |         | 25               | 0      | 22.16                       | 21.32                        | PASS    |
|                 |         | 25               | 12     | 22.21                       | 21.37                        | PASS    |
|                 |         | 25               | 25     | 22.17                       | 21.19                        | PASS    |
|                 |         | 50               | 0      | 22.15                       | 21.05                        | PASS    |

## Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)

| Modulation      | Channel | RB Configuration |        | Average Power [dBm]<br>QPSK | Average Power [dBm]<br>16QAM | Verdict |
|-----------------|---------|------------------|--------|-----------------------------|------------------------------|---------|
|                 |         | Size             | Offset |                             |                              |         |
| QPSK /<br>16QAM | LCH     | 1                | 0      | 22.85                       | 21.16                        | PASS    |
|                 |         | 1                | 37     | 23.29                       | 22.67                        | PASS    |
|                 |         | 1                | 74     | 23.01                       | 22.13                        | PASS    |
|                 |         | 37               | 0      | 22.19                       | 21.31                        | PASS    |
|                 |         | 37               | 18     | 22.96                       | 22.12                        | PASS    |
|                 |         | 37               | 38     | 22.86                       | 21.96                        | PASS    |
|                 |         | 75               | 0      | 22.71                       | 21.85                        | PASS    |
|                 | MCH     | 1                | 0      | 22.55                       | 21.81                        | PASS    |
|                 |         | 1                | 37     | 23.24                       | 22.59                        | PASS    |
|                 |         | 1                | 74     | 23.49                       | 21.90                        | PASS    |
|                 |         | 37               | 0      | 22.40                       | 21.41                        | PASS    |
|                 |         | 37               | 18     | 22.33                       | 21.34                        | PASS    |
|                 |         | 37               | 38     | 22.15                       | 21.24                        | PASS    |
|                 |         | 75               | 0      | 22.23                       | 21.45                        | PASS    |
|                 | HCH     | 1                | 0      | 23.25                       | 22.34                        | PASS    |
|                 |         | 1                | 37     | 23.04                       | 22.46                        | PASS    |
|                 |         | 1                | 74     | 22.50                       | 21.84                        | PASS    |
|                 |         | 37               | 0      | 22.08                       | 20.98                        | PASS    |
|                 |         | 37               | 18     | 22.13                       | 21.07                        | PASS    |
|                 |         | 37               | 38     | 22.05                       | 20.99                        | PASS    |
|                 |         | 75               | 0      | 22.12                       | 21.17                        | 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      | 22.43               | 21.62               | PASS    |
|                 |         | 1                | 49     | 23.77               | 22.96               | PASS    |
|                 |         | 1                | 99     | 22.99               | 21.17               | PASS    |
|                 |         | 50               | 0      | 22.38               | 21.45               | PASS    |
|                 |         | 50               | 25     | 23.18               | 22.17               | PASS    |
|                 |         | 50               | 50     | 22.63               | 21.73               | PASS    |
|                 |         | 100              | 0      | 22.70               | 21.81               | PASS    |
|                 | MCH     | 1                | 0      | 22.63               | 22.03               | PASS    |
|                 |         | 1                | 49     | 23.21               | 22.66               | PASS    |
|                 |         | 1                | 99     | 23.13               | 21.63               | PASS    |
|                 |         | 50               | 0      | 22.43               | 21.50               | PASS    |
|                 |         | 50               | 25     | 22.29               | 21.44               | PASS    |
|                 |         | 50               | 50     | 22.09               | 21.22               | PASS    |
|                 |         | 100              | 0      | 22.26               | 21.49               | PASS    |
|                 | HCH     | 1                | 0      | 22.75               | 22.12               | PASS    |
|                 |         | 1                | 49     | 23.40               | 22.82               | PASS    |
|                 |         | 1                | 99     | 22.08               | 21.49               | PASS    |
|                 |         | 50               | 0      | 22.09               | 21.15               | PASS    |
|                 |         | 50               | 25     | 22.15               | 21.21               | PASS    |
|                 |         | 50               | 50     | 22.11               | 21.03               | PASS    |
|                 |         | 100              | 0      | 22.13               | 21.07               | PASS    |

**C.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     | 5.26                          | <13           | PASS    |
|                                                                | MCH     | 5.28                          | <13           | PASS    |
|                                                                | HCH     | 5.21                          | <13           | PASS    |
| 16QAM                                                          | LCH     | 6.08                          | <13           | PASS    |
|                                                                | MCH     | 6.13                          | <13           | PASS    |
|                                                                | HCH     | 6.04                          | <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     | 5.36                          | <13           | PASS    |
|                                                              | MCH     | 5.37                          | <13           | PASS    |
|                                                              | HCH     | 5.26                          | <13           | PASS    |
| 16QAM                                                        | LCH     | 6.23                          | <13           | PASS    |
|                                                              | MCH     | 6.11                          | <13           | PASS    |
|                                                              | HCH     | 6.06                          | <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     | 5.36                          | <13           | PASS    |
|                                                              | MCH     | 5.3                           | <13           | PASS    |
|                                                              | HCH     | 5.32                          | <13           | PASS    |
| 16QAM                                                        | LCH     | 6.1                           | <13           | PASS    |
|                                                              | MCH     | 6.08                          | <13           | PASS    |
|                                                              | HCH     | 6.06                          | <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     | 5.31                          | <13           | PASS    |
|                                                               | MCH     | 5.31                          | <13           | PASS    |
|                                                               | HCH     | 5.27                          | <13           | PASS    |
| 16QAM                                                         | LCH     | 6.1                           | <13           | PASS    |
|                                                               | MCH     | 6.05                          | <13           | PASS    |
|                                                               | HCH     | 6.04                          | <13           | PASS    |

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

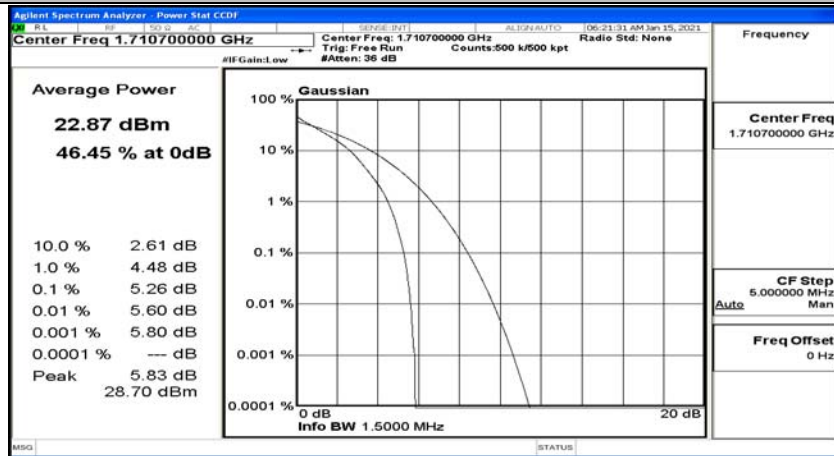
| Modulation | Channel | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
|------------|---------|-------------------------------|---------------|---------|
| QPSK       | LCH     | 4.98                          | <13           | PASS    |
|            | MCH     | 4.96                          | <13           | PASS    |
|            | HCH     | 4.95                          | <13           | PASS    |
| 16QAM      | LCH     | 6.23                          | <13           | PASS    |
|            | MCH     | 6.2                           | <13           | PASS    |
|            | HCH     | 6.16                          | <13           | PASS    |

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

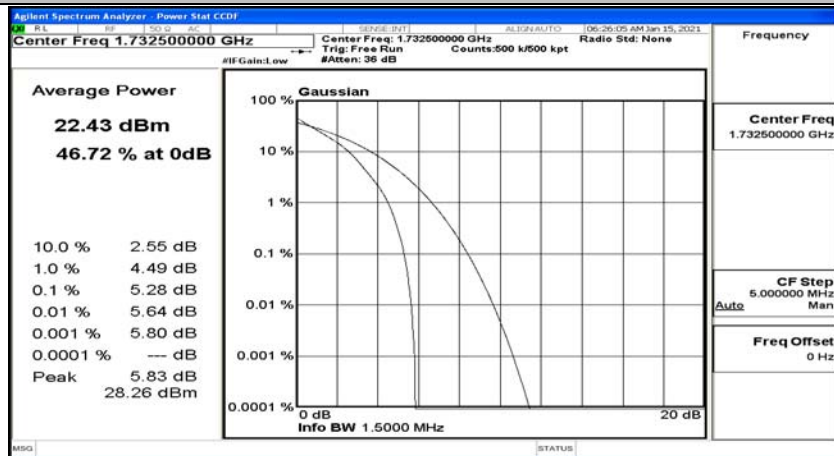
| Modulation | Channel | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
|------------|---------|-------------------------------|---------------|---------|
| QPSK       | LCH     | 5.64                          | <13           | PASS    |
|            | MCH     | 5.71                          | <13           | PASS    |
|            | HCH     | 5.76                          | <13           | PASS    |
| 16QAM      | LCH     | 6.74                          | <13           | PASS    |
|            | MCH     | 6.7                           | <13           | PASS    |
|            | HCH     | 6.6                           | <13           | PASS    |



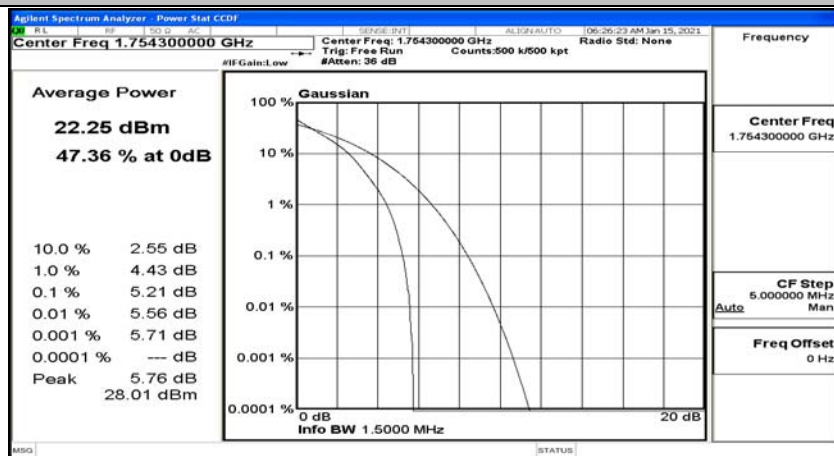
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



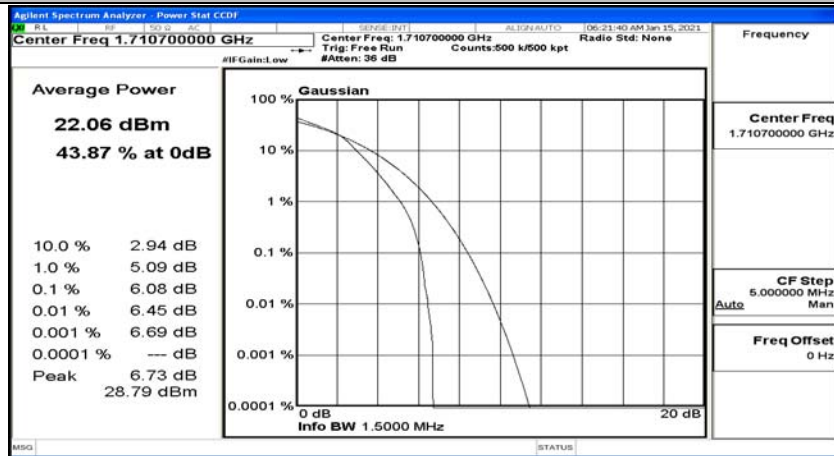
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK



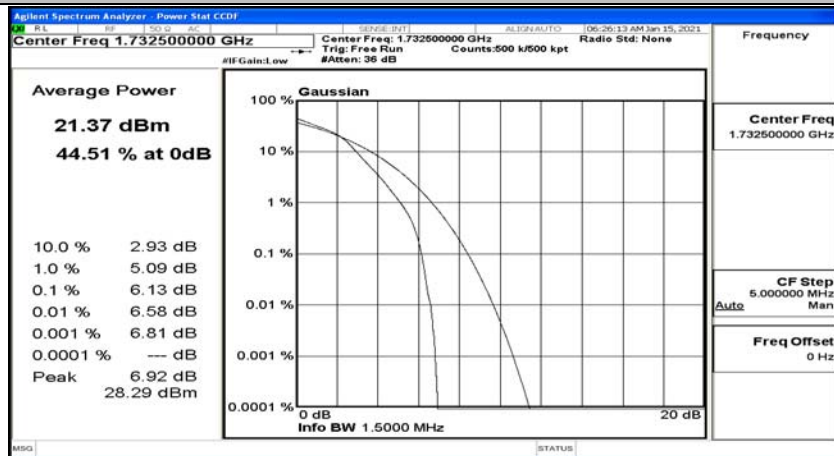
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK



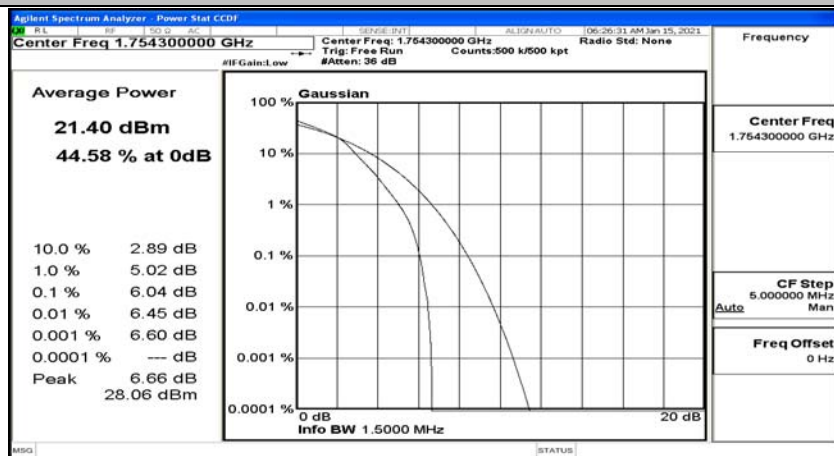
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



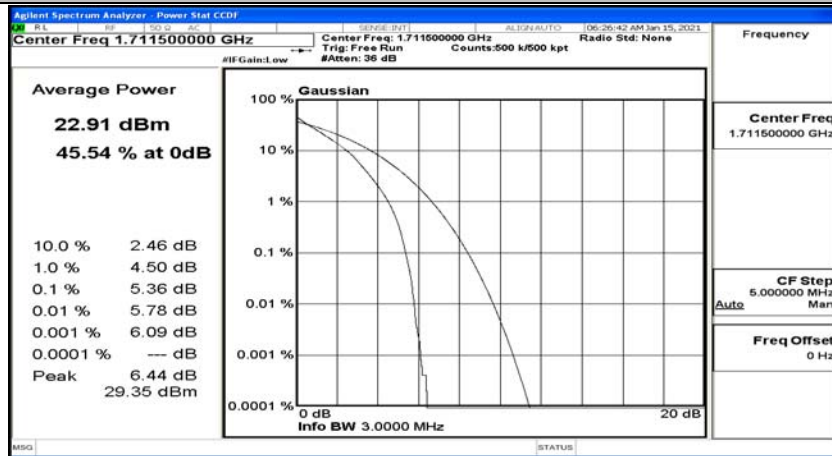
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM



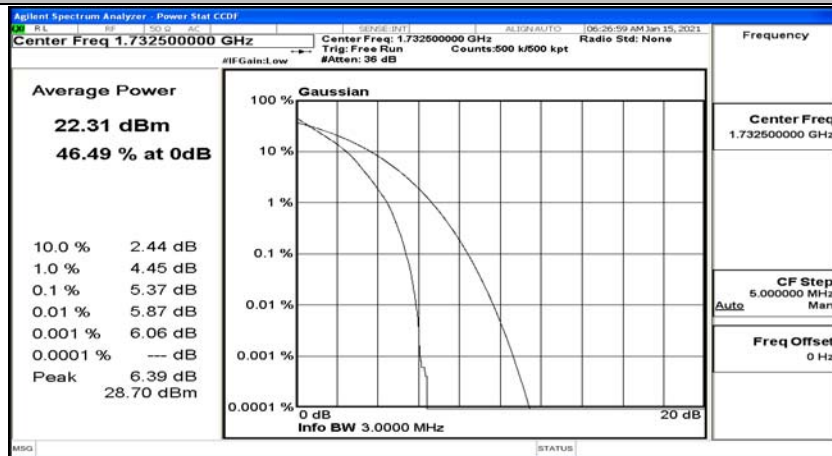
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



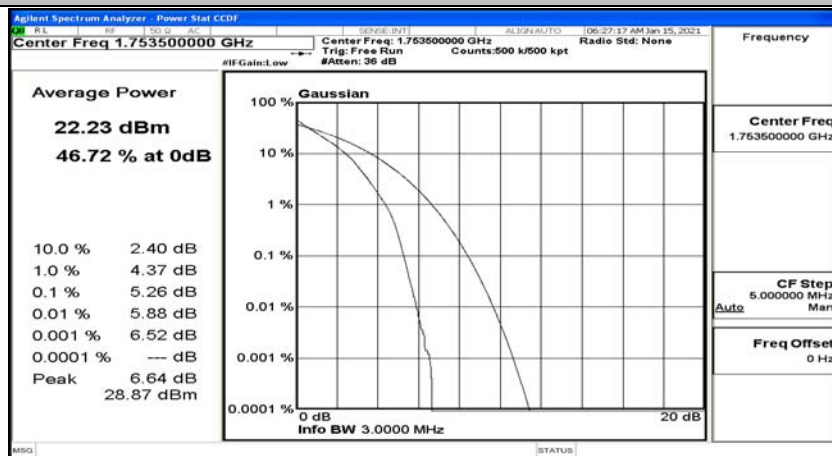
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



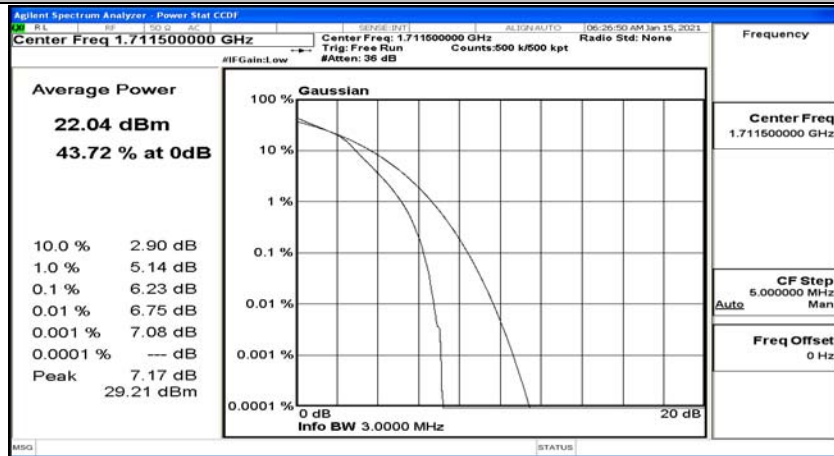
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



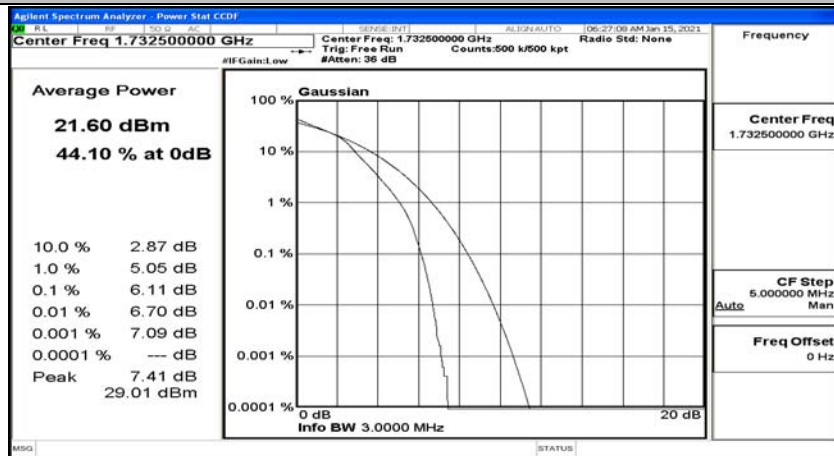
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



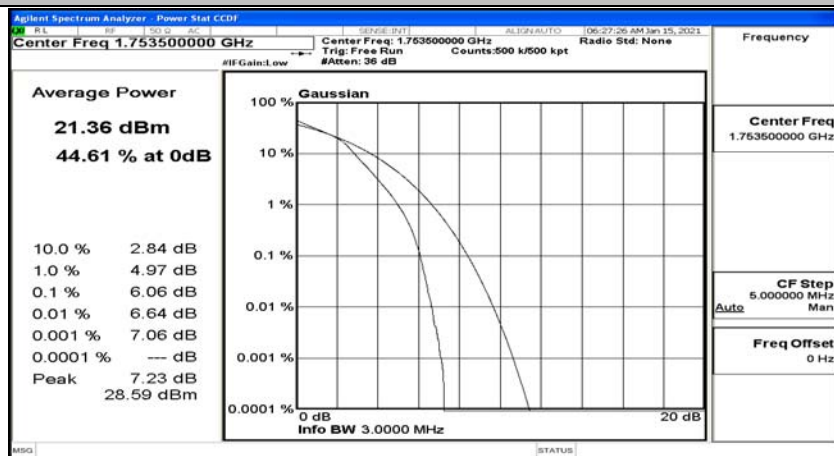
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



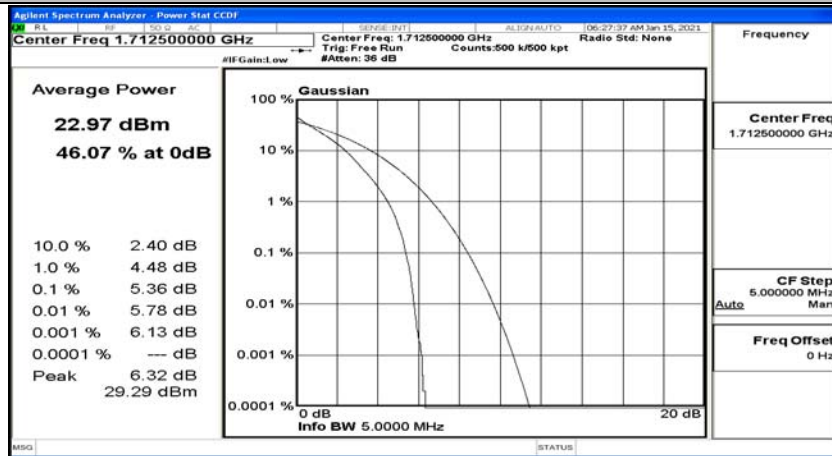
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



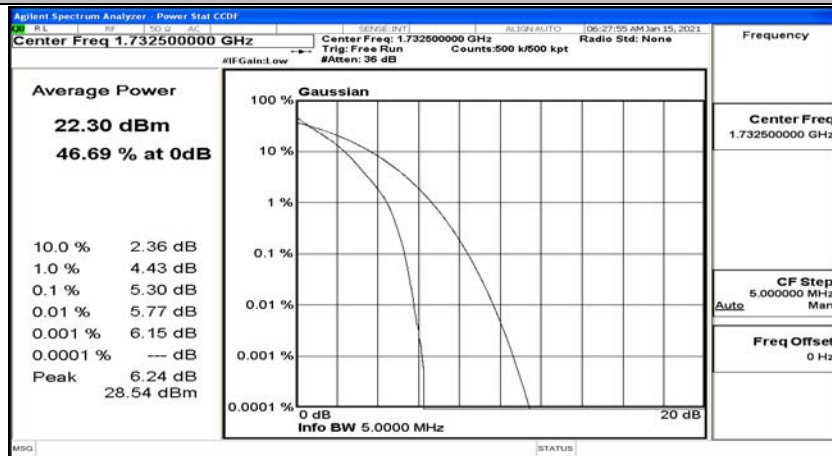
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



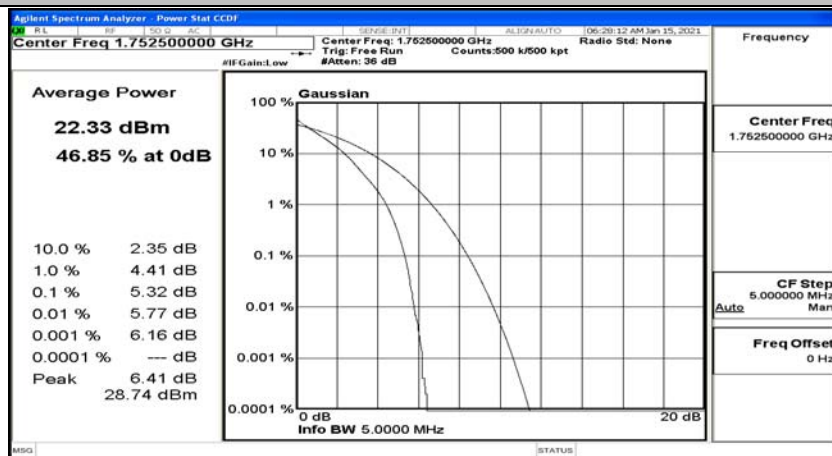
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



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

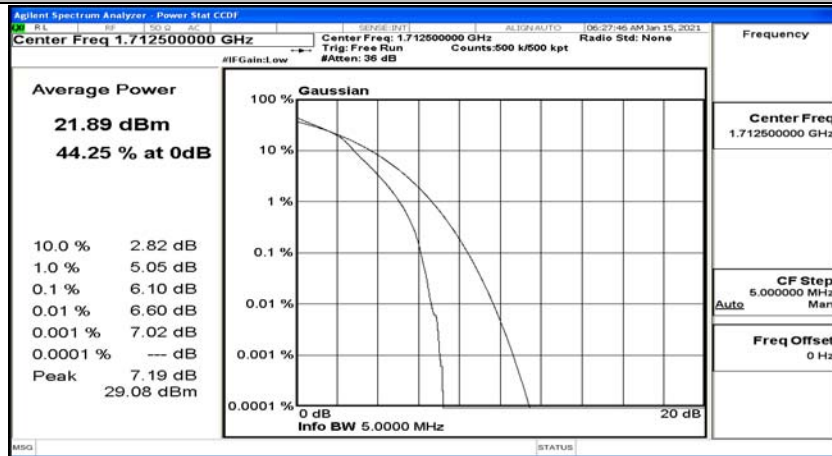


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK

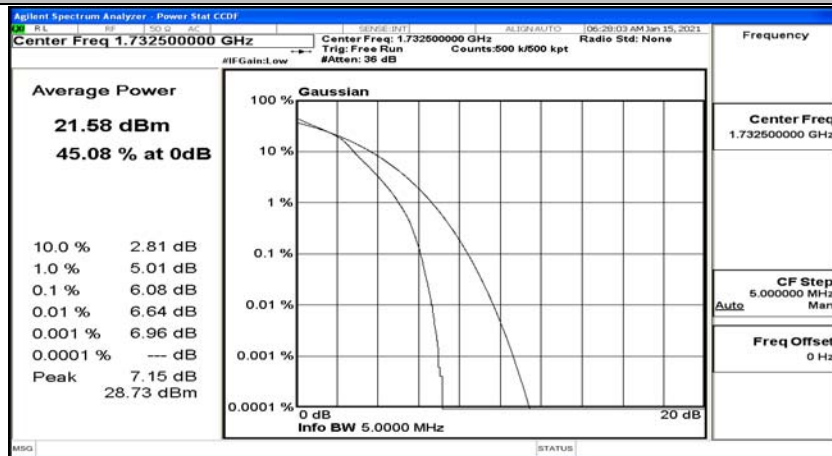




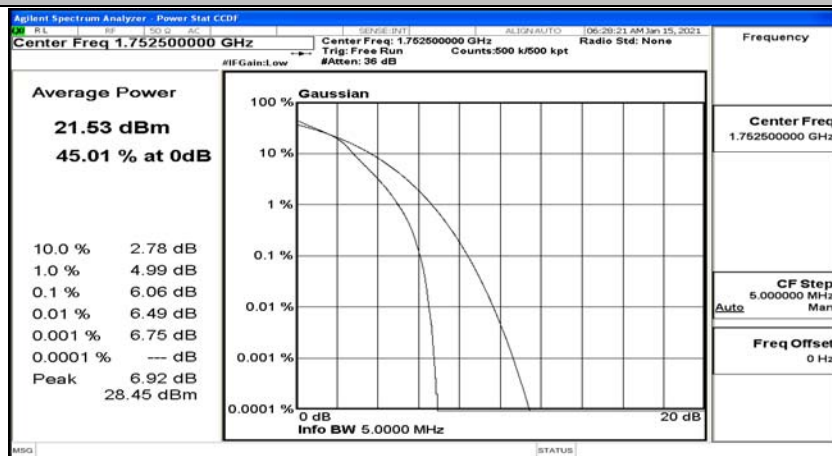
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



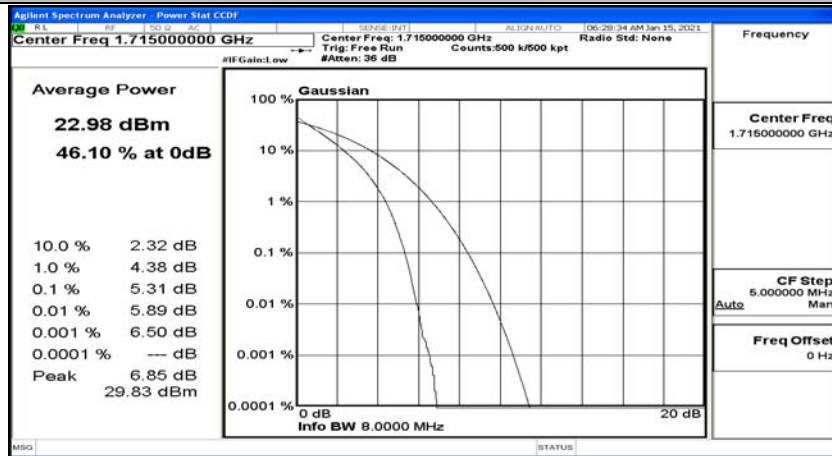
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



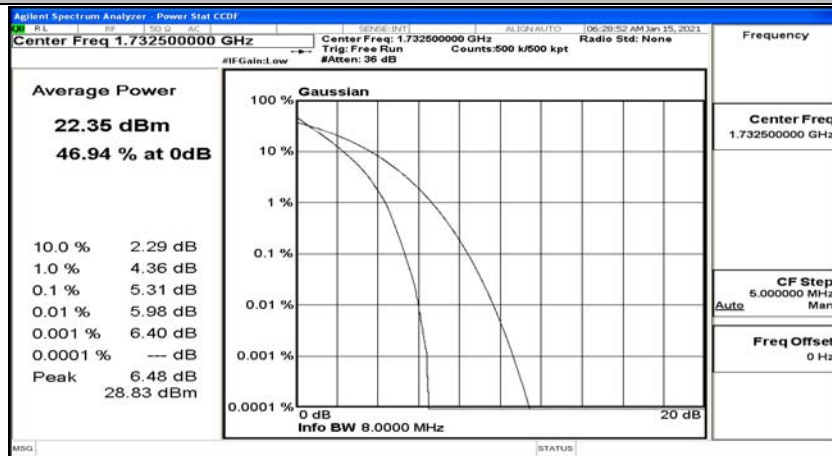
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



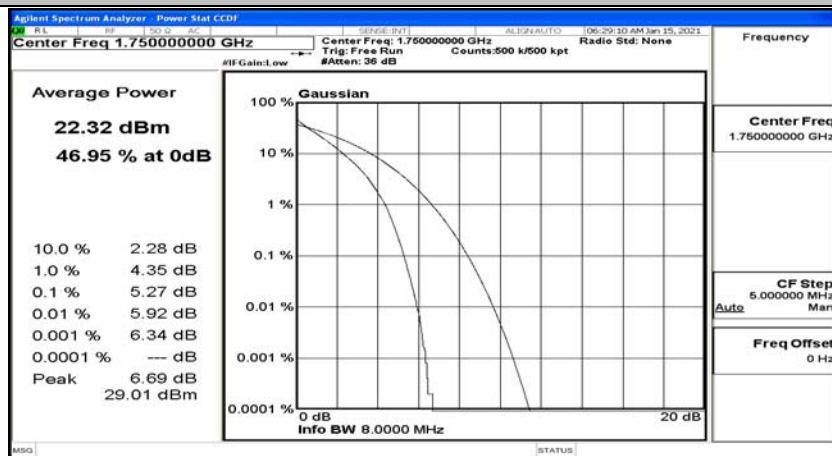
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



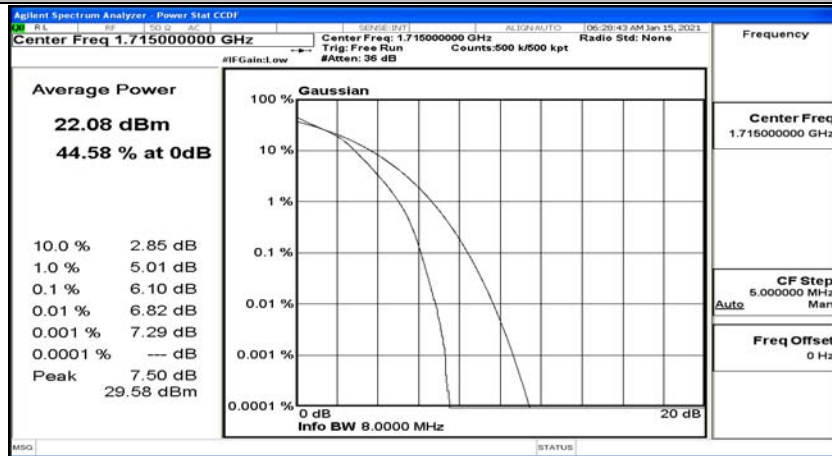
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_QPSK



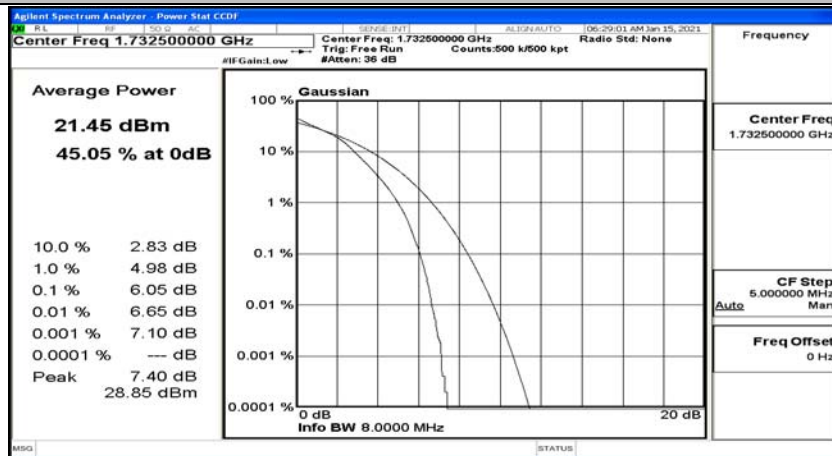
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK



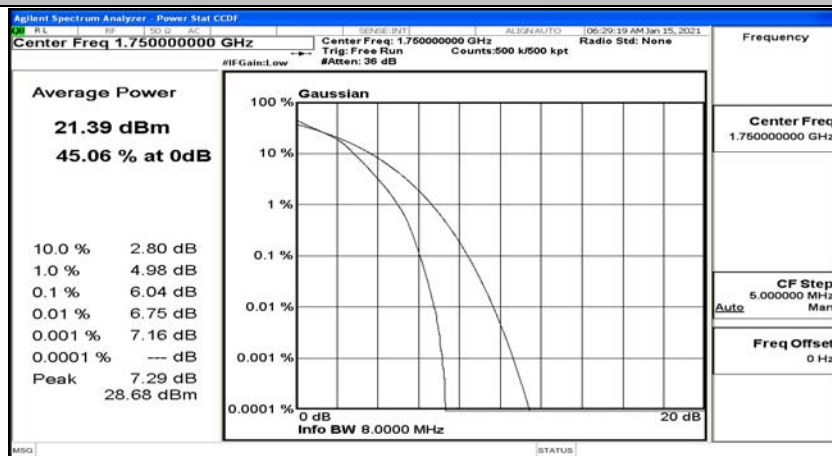
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM



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

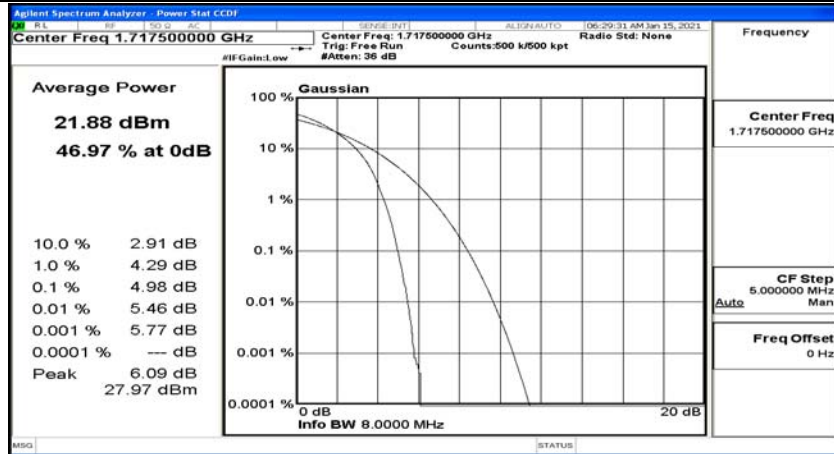


## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM

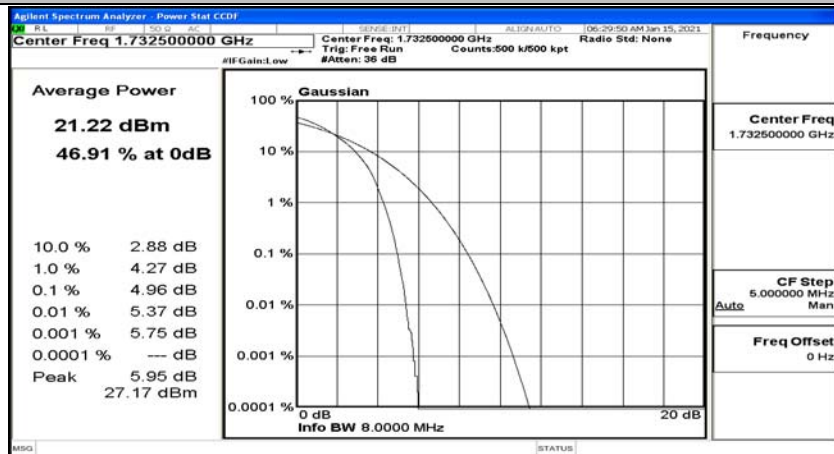




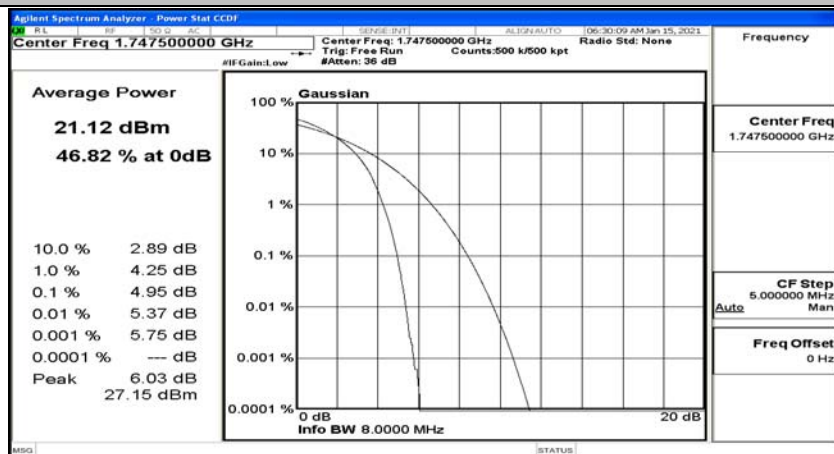
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



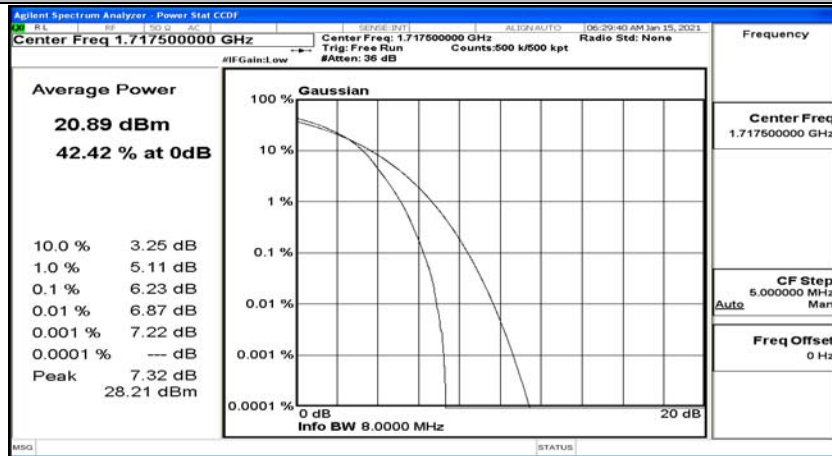
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



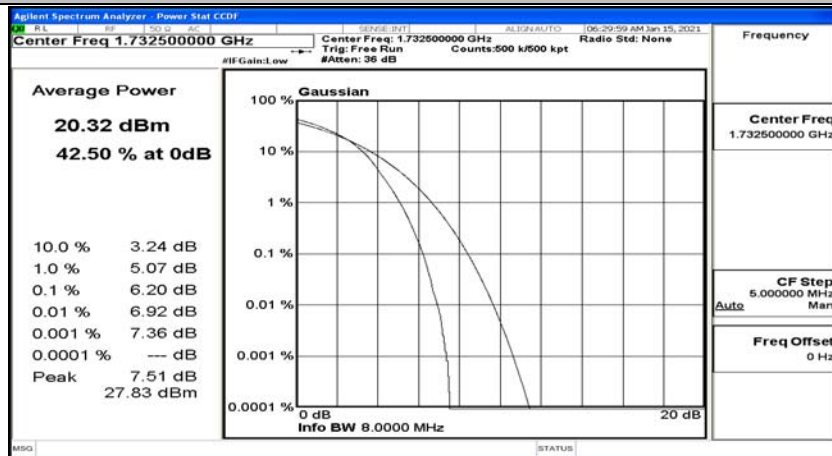
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



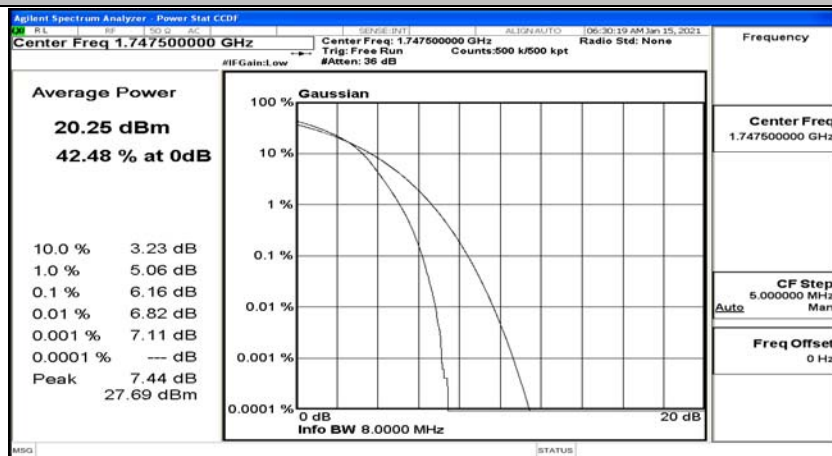
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



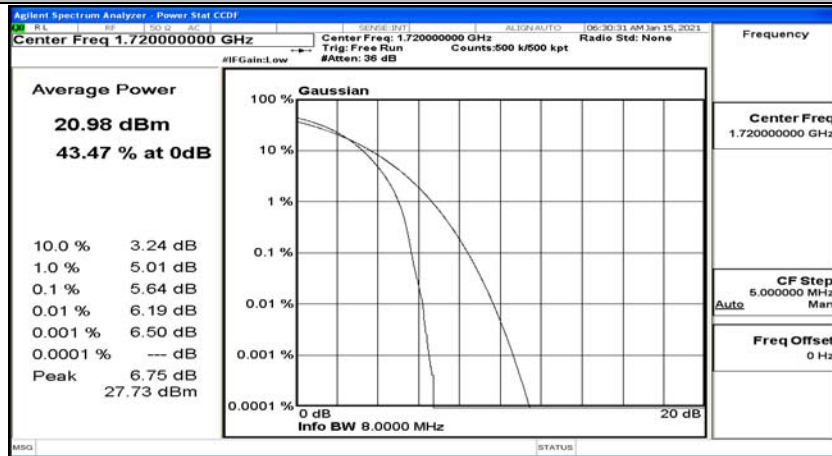
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_16QAM



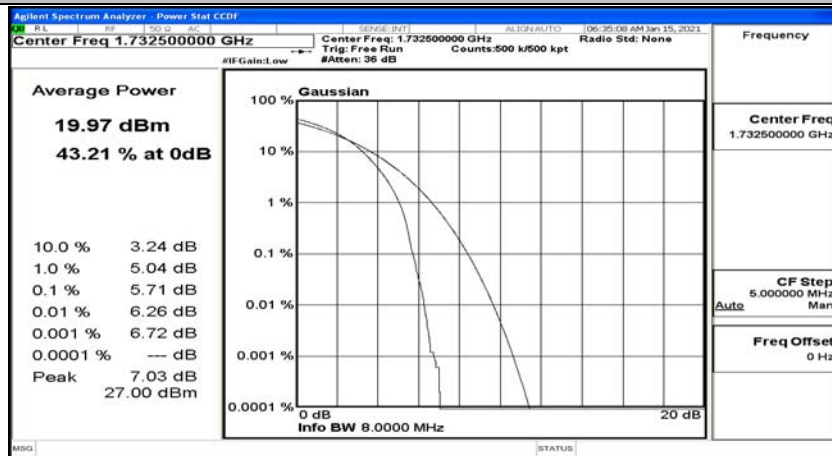
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



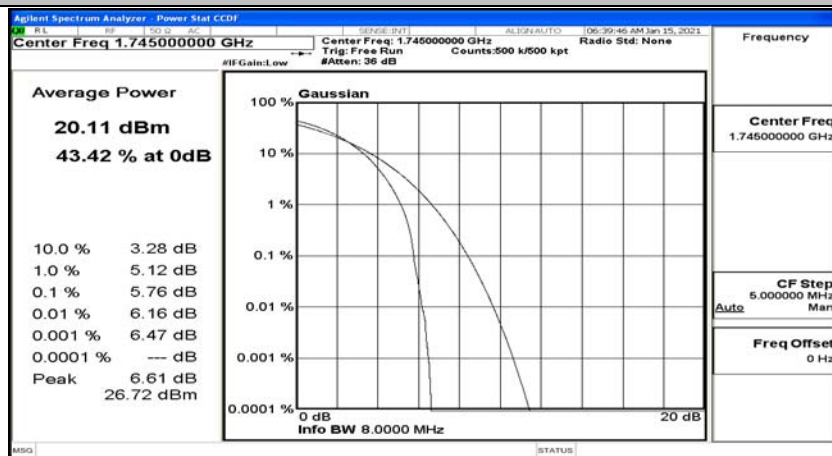
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



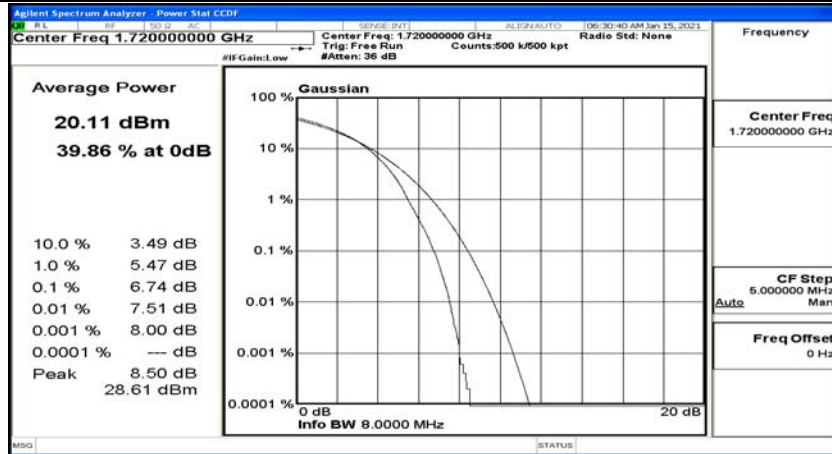
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



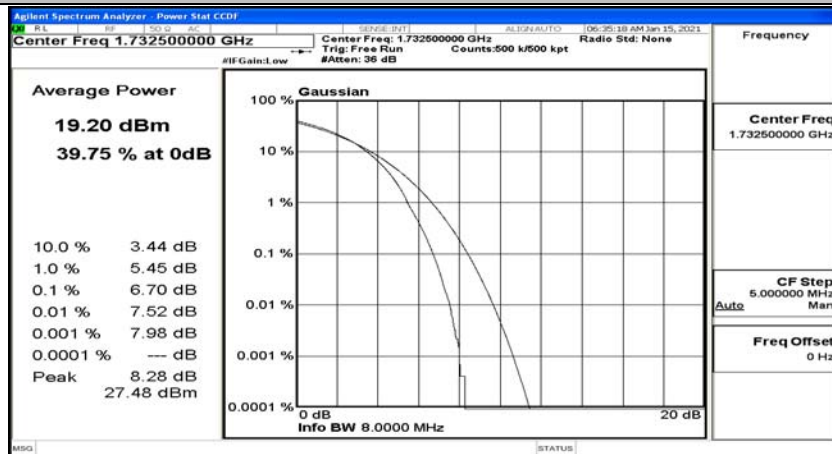
## Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



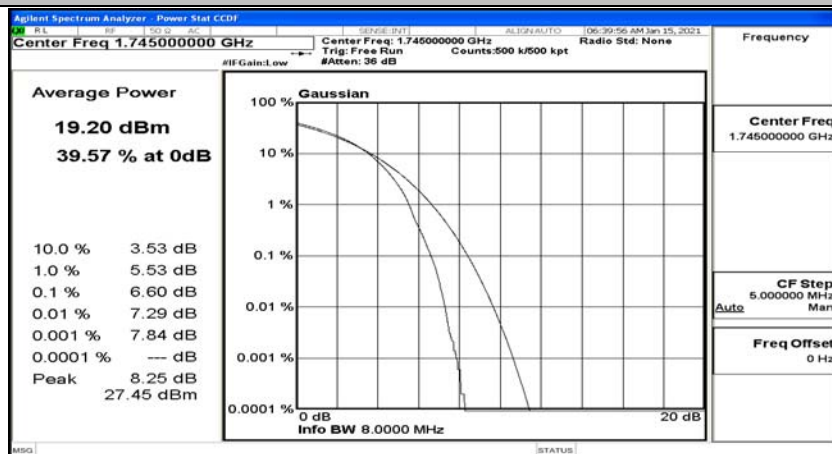
## Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



## 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



**C.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     | 1.0787                   | 1.229                | PASS    |
|                                                    | MCH     | 1.0771                   | 1.222                | PASS    |
|                                                    | HCH     | 1.0776                   | 1.238                | PASS    |
| 16QAM                                              | LCH     | 1.0814                   | 1.234                | PASS    |
|                                                    | MCH     | 1.0801                   | 1.236                | PASS    |
|                                                    | HCH     | 1.0784                   | 1.245                | PASS    |

| EBW & OBW Test Result (Channel Bandwidth: 3 MHz) |         |                          |                      |         |
|--------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                       | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                             | LCH     | 5.9539                   | 6.000                | PASS    |
|                                                  | MCH     | 2.6855                   | 2.893                | PASS    |
|                                                  | HCH     | 2.6845                   | 2.869                | PASS    |
| 16QAM                                            | LCH     | 2.6841                   | 2.887                | PASS    |
|                                                  | MCH     | 2.6868                   | 2.903                | PASS    |
|                                                  | HCH     | 2.6767                   | 2.907                | PASS    |

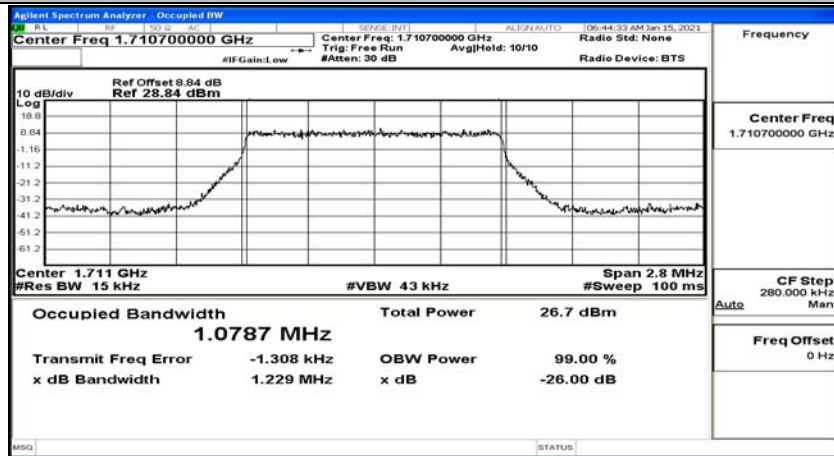
| EBW & OBW Test Result (Channel Bandwidth: 5 MHz) |         |                          |                      |         |
|--------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                       | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                             | LCH     | 4.4723                   | 4.811                | PASS    |
|                                                  | MCH     | 4.4700                   | 4.837                | PASS    |
|                                                  | HCH     | 4.4780                   | 4.793                | PASS    |
| 16QAM                                            | LCH     | 4.4780                   | 4.793                | PASS    |
|                                                  | MCH     | 4.4756                   | 4.758                | PASS    |
|                                                  | HCH     | 4.4804                   | 4.786                | PASS    |

| EBW & OBW Test Result (Channel Bandwidth: 10 MHz) |         |                          |                      |         |
|---------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                        | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                              | LCH     | 8.9375                   | 9.431                | PASS    |
|                                                   | MCH     | 8.9209                   | 9.441                | PASS    |
|                                                   | HCH     | 8.9223                   | 9.423                | PASS    |
| 16QAM                                             | LCH     | 8.9320                   | 9.487                | PASS    |
|                                                   | MCH     | 8.9320                   | 9.487                | PASS    |
|                                                   | HCH     | 8.9389                   | 9.496                | PASS    |

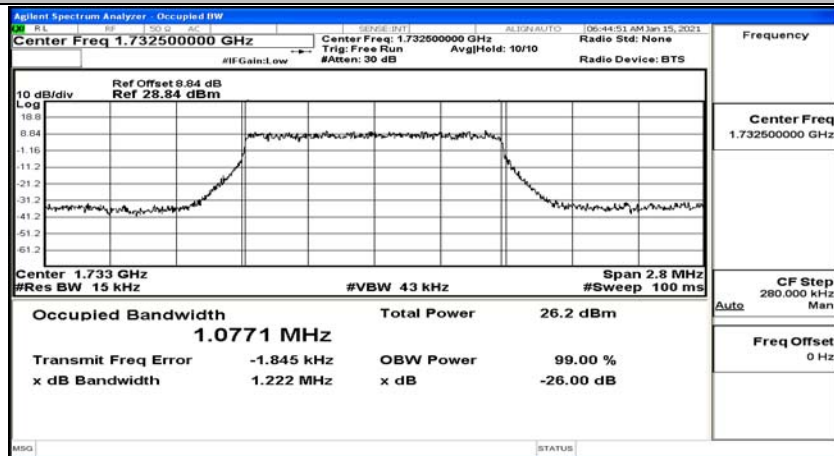
| EBW & OBW Test Result (Channel Bandwidth: 15 MHz) |         |                          |                      |         |
|---------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                        | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                              | LCH     | 13.365                   | 13.94                | PASS    |
|                                                   | MCH     | 13.376                   | 13.97                | PASS    |
|                                                   | HCH     | 13.393                   | 14.07                | PASS    |
| 16QAM                                             | LCH     | 13.368                   | 13.92                | PASS    |
|                                                   | MCH     | 13.385                   | 14.02                | PASS    |
|                                                   | HCH     | 13.402                   | 14.05                | PASS    |

| EBW & OBW Test Result (Channel Bandwidth: 20 MHz) |         |                          |                      |         |
|---------------------------------------------------|---------|--------------------------|----------------------|---------|
| Modulation                                        | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| QPSK                                              | LCH     | 17.778                   | 18.52                | PASS    |
|                                                   | MCH     | 17.835                   | 18.58                | PASS    |
|                                                   | HCH     | 17.840                   | 18.60                | PASS    |
| 16QAM                                             | LCH     | 17.805                   | 18.52                | PASS    |
|                                                   | MCH     | 17.846                   | 18.64                | PASS    |
|                                                   | HCH     | 17.812                   | 18.56                | PASS    |

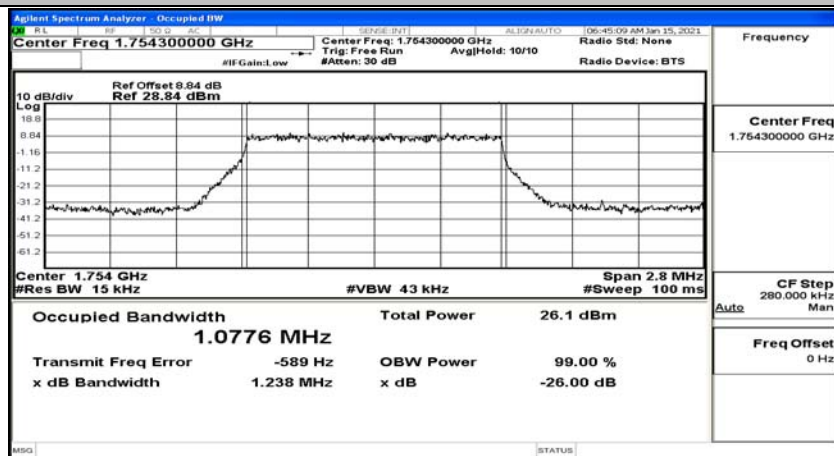
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



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

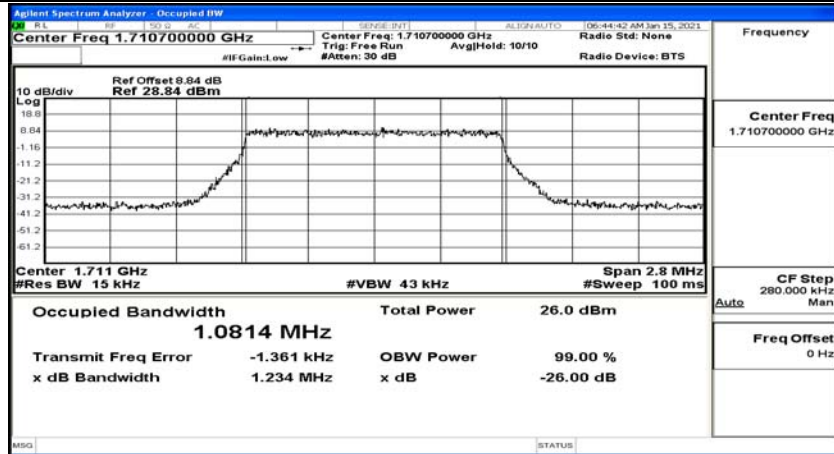


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK

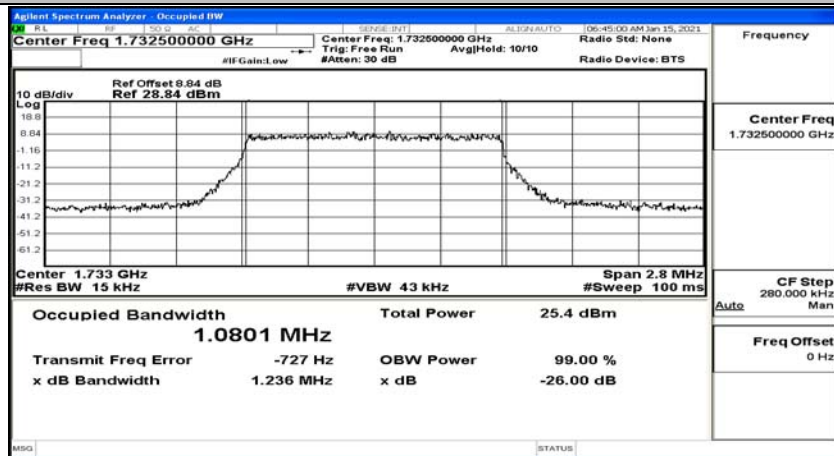




## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM



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

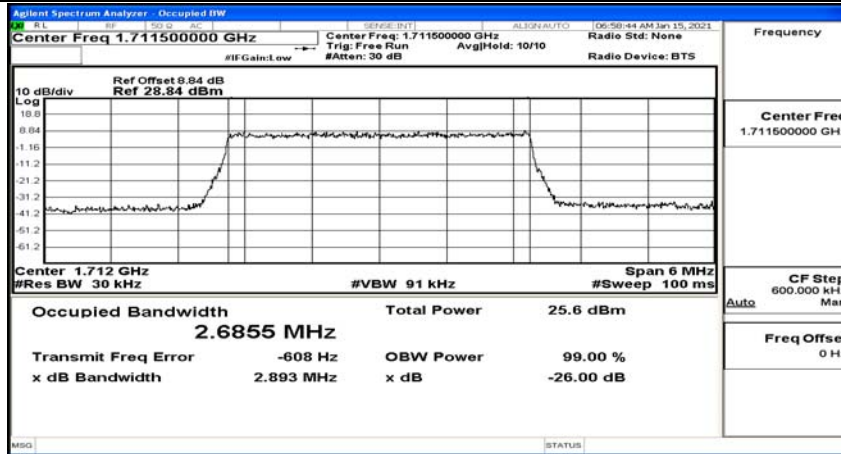


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM

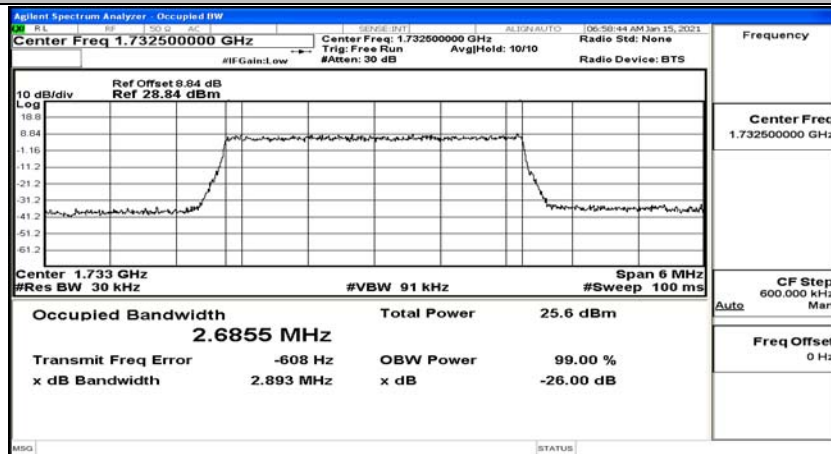




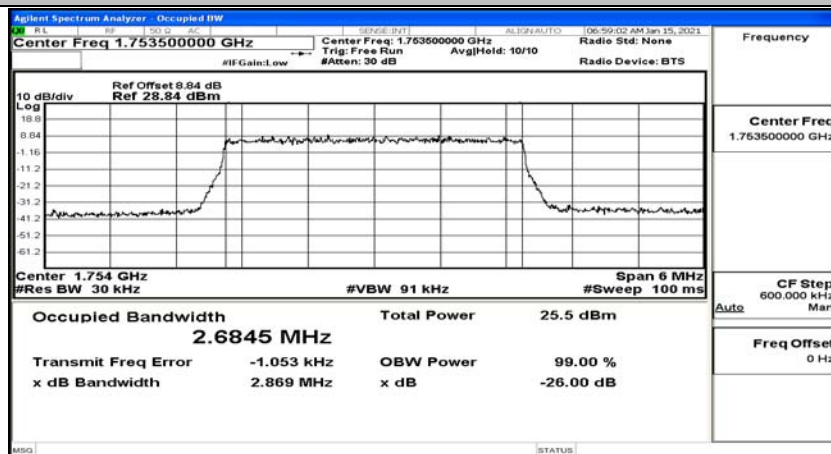
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK



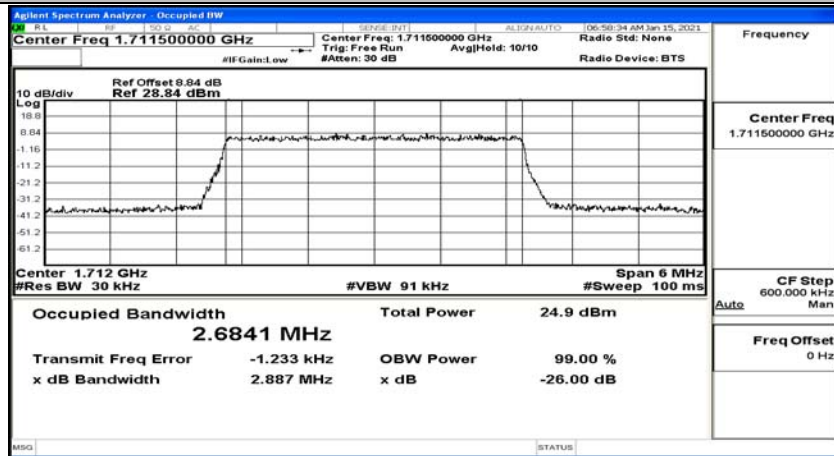
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_QPSK



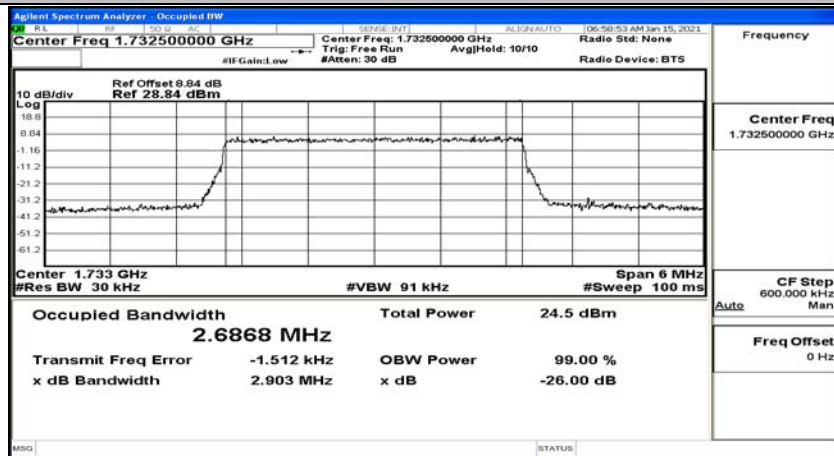
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



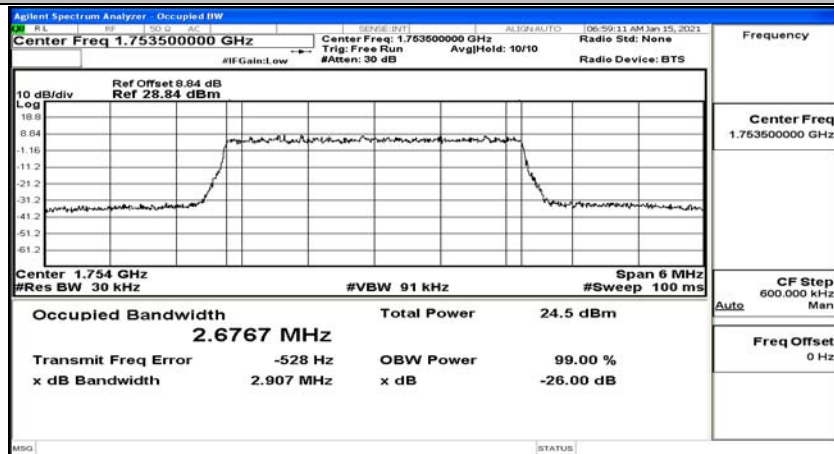
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



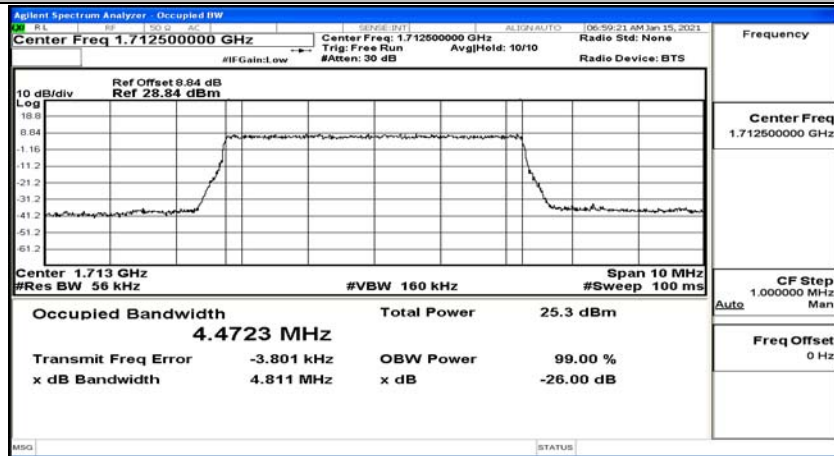
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_MCH\_16QAM



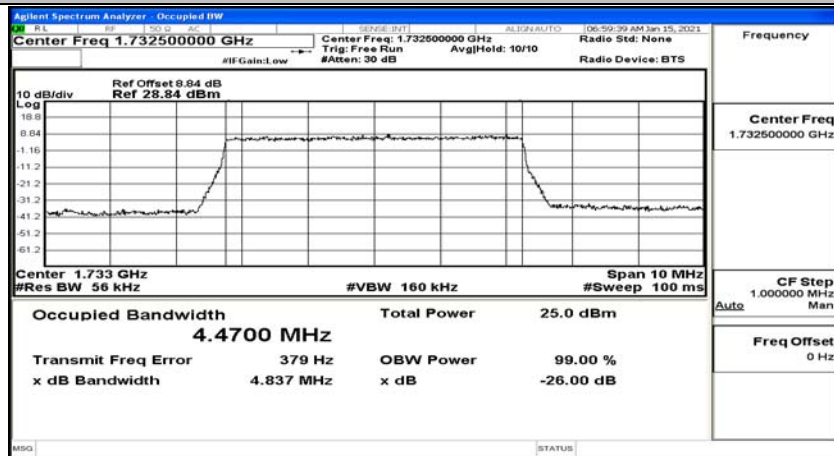
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



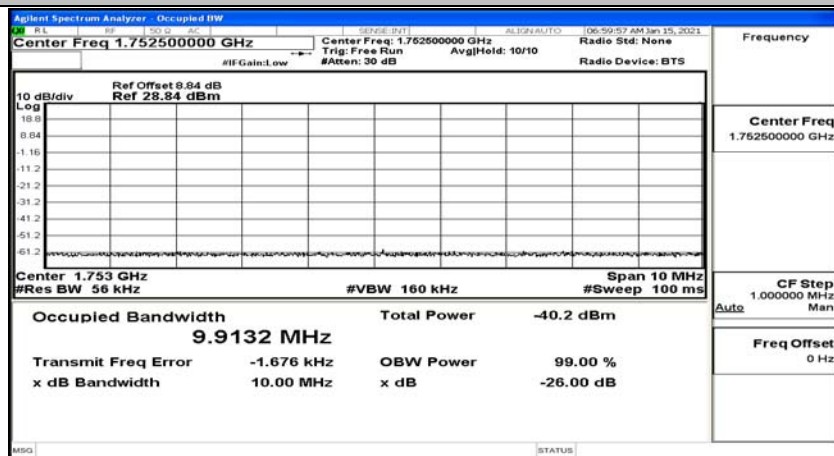
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



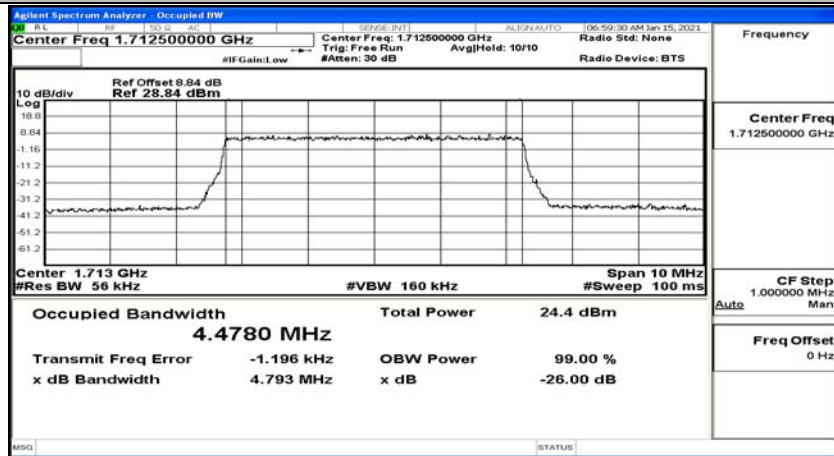
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_QPSK



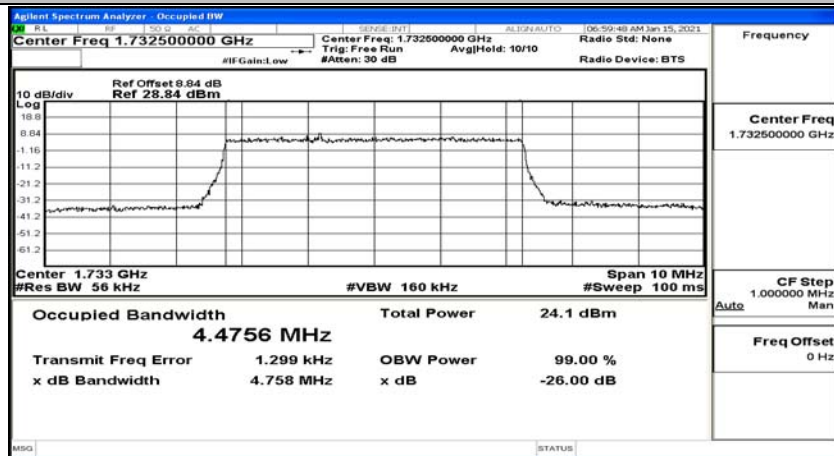
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



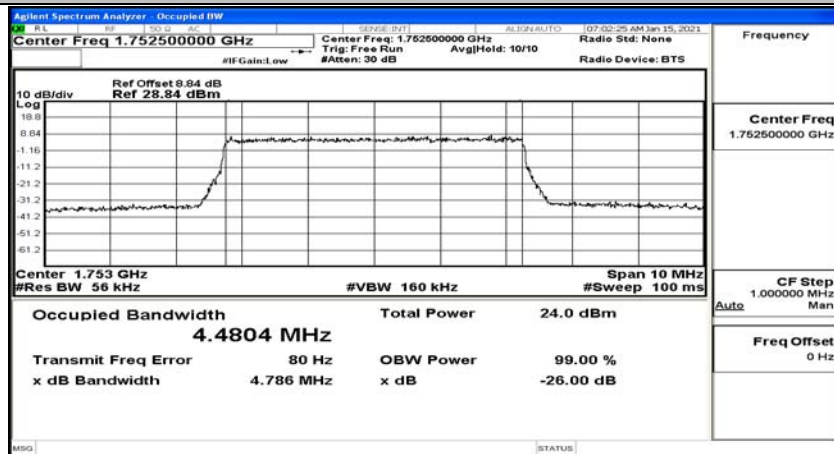
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_16QAM



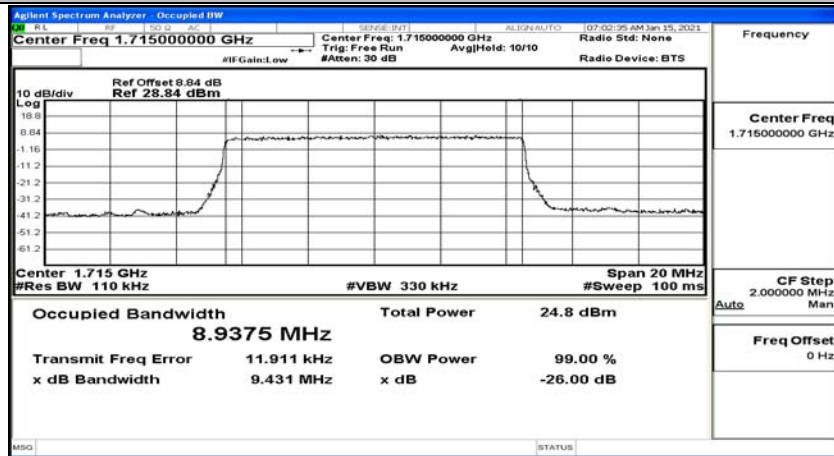
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_MCH\_16QAM



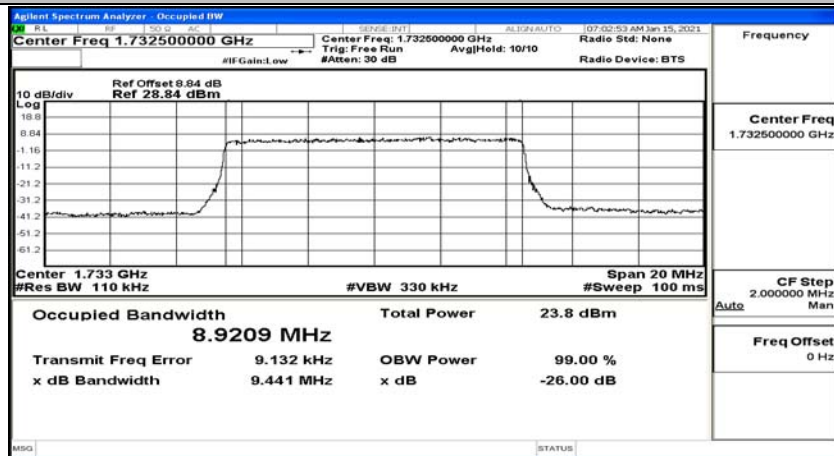
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM



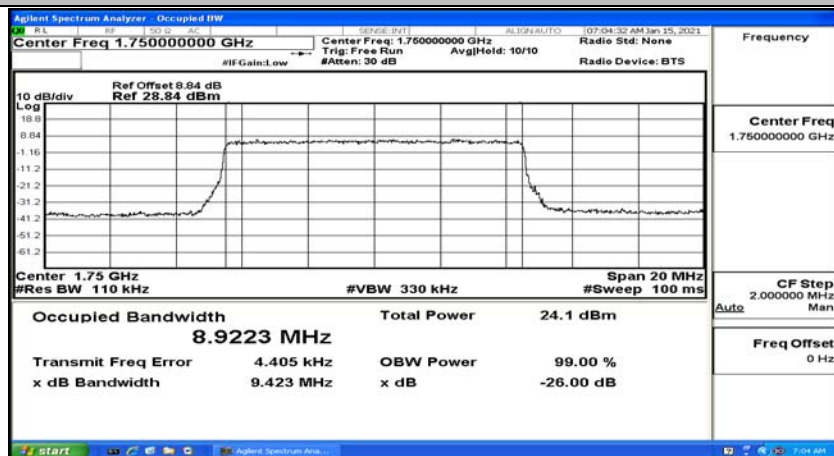
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



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

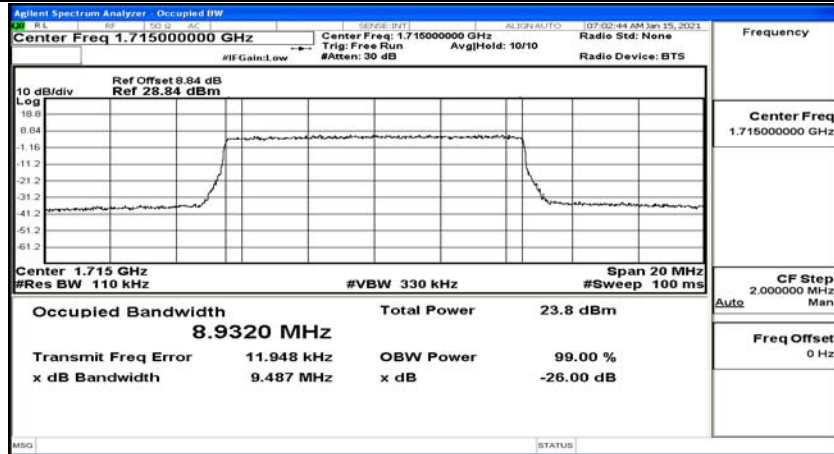


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_QPSK





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



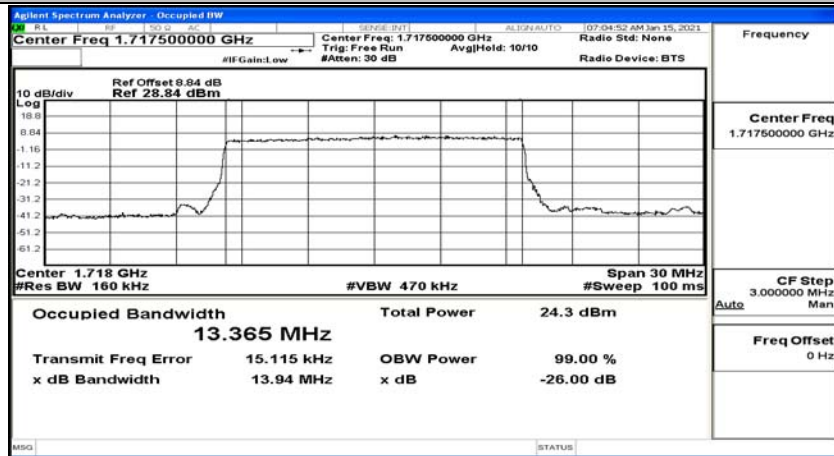
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM



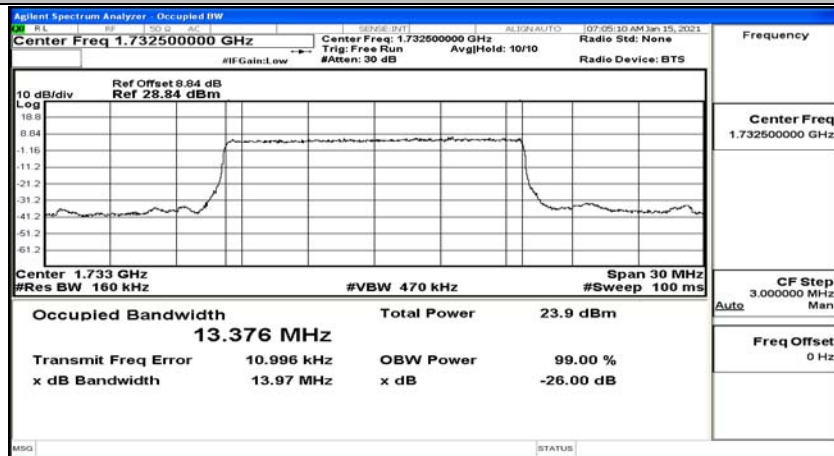
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



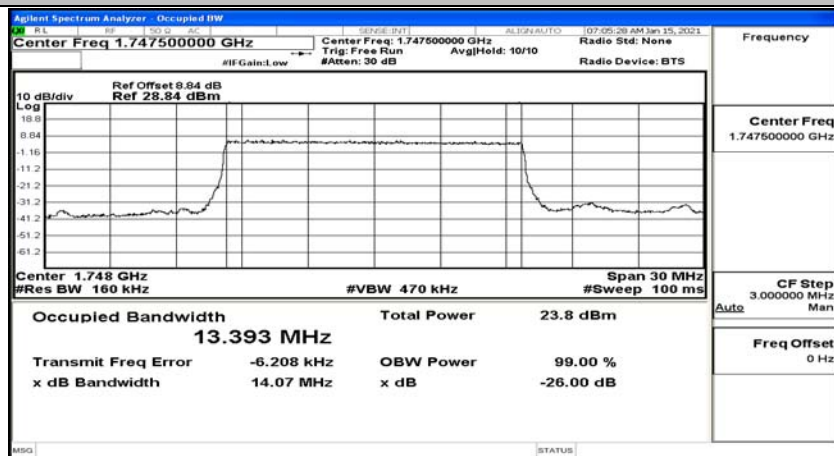
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



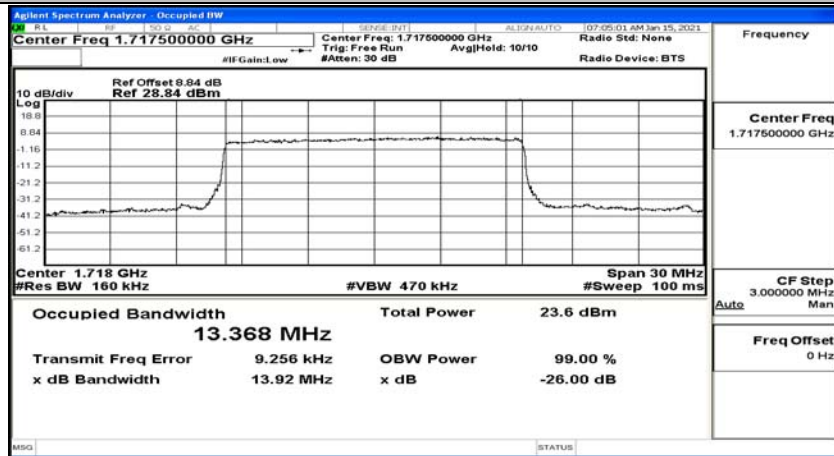
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_MCH\_QPSK



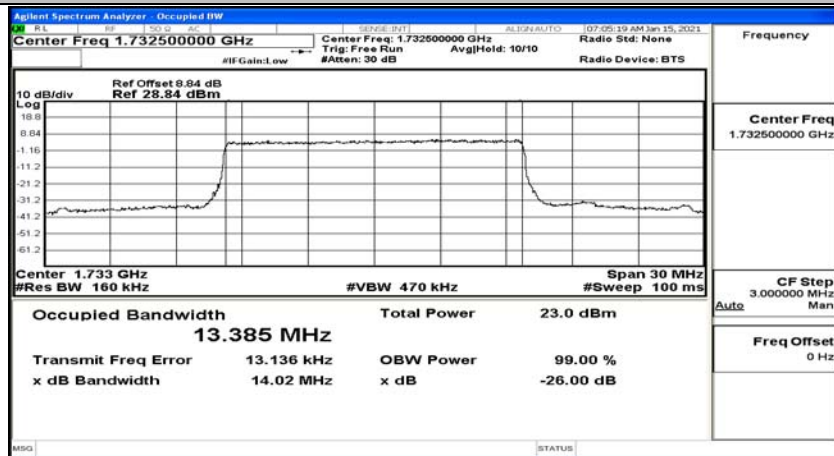
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



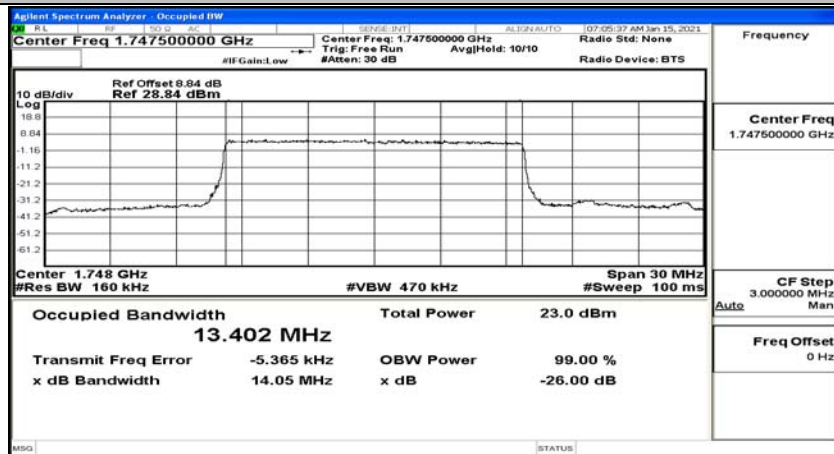
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



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

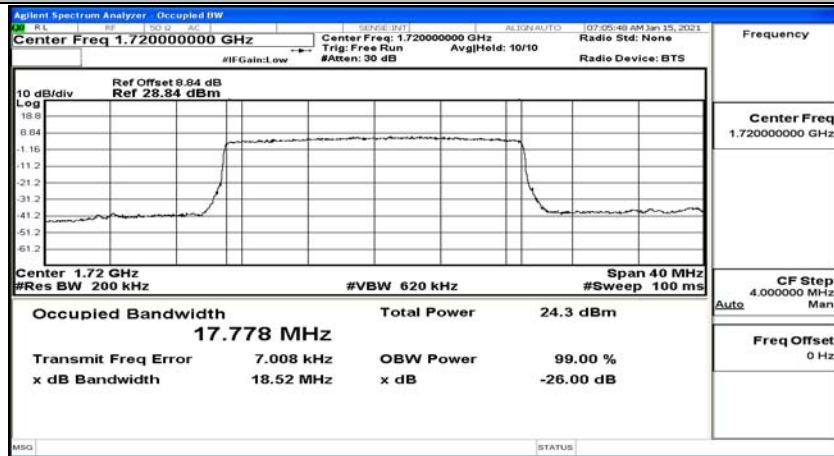


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM

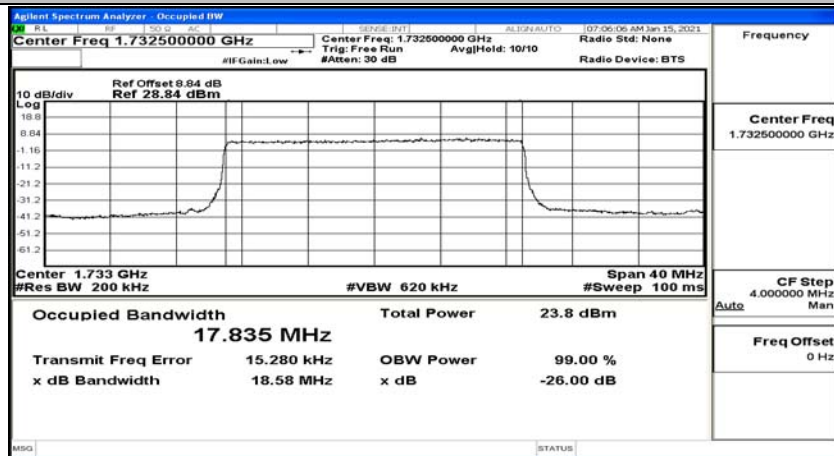




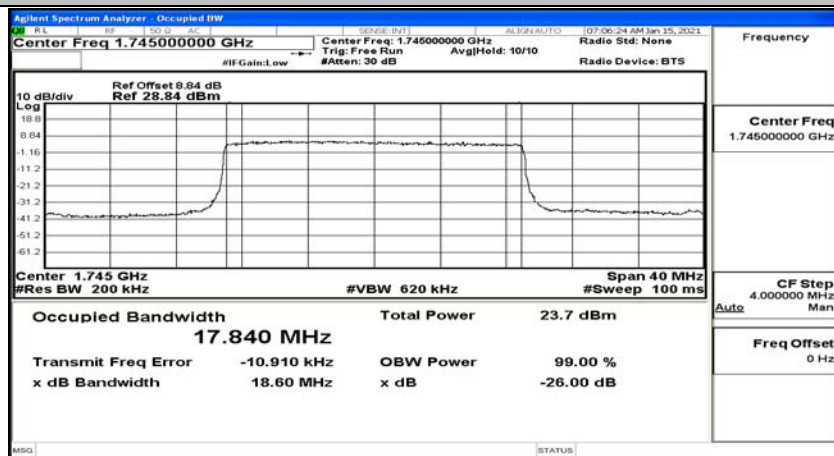
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



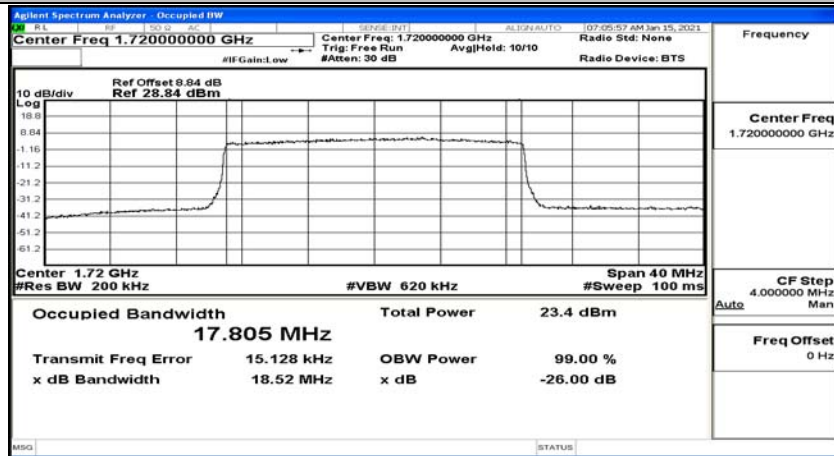
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_MCH\_QPSK



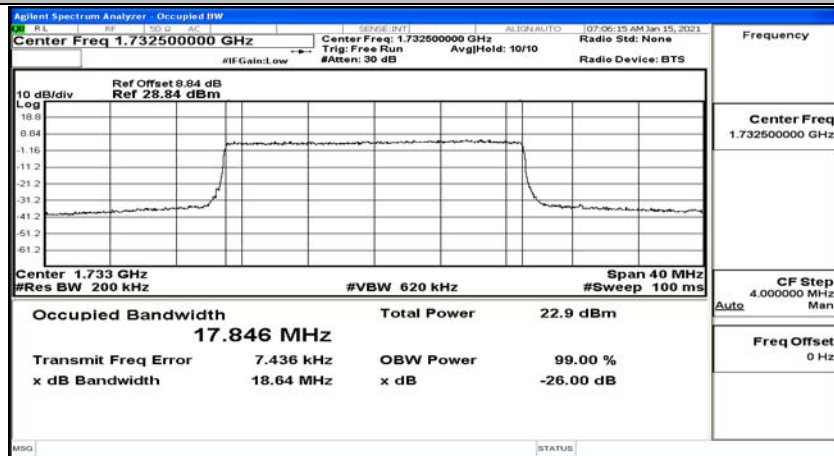
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



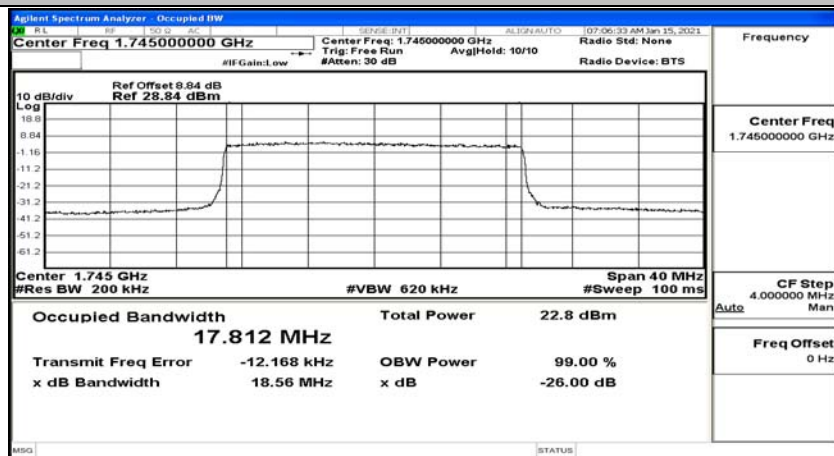
## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM



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

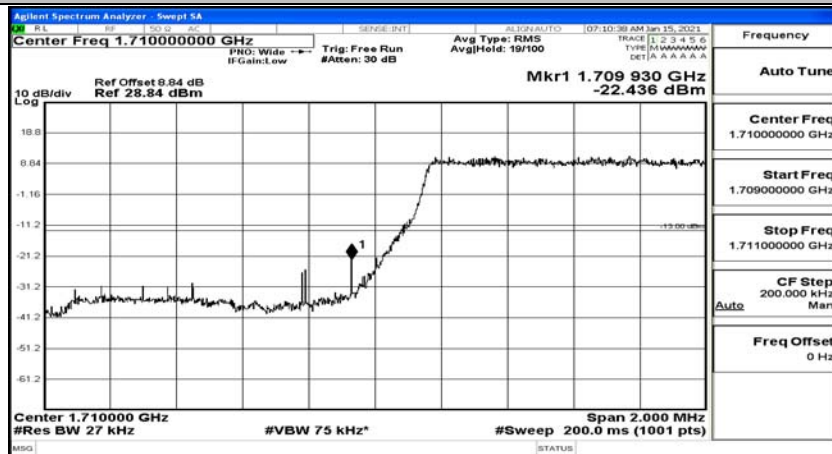


## EBW &amp; OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

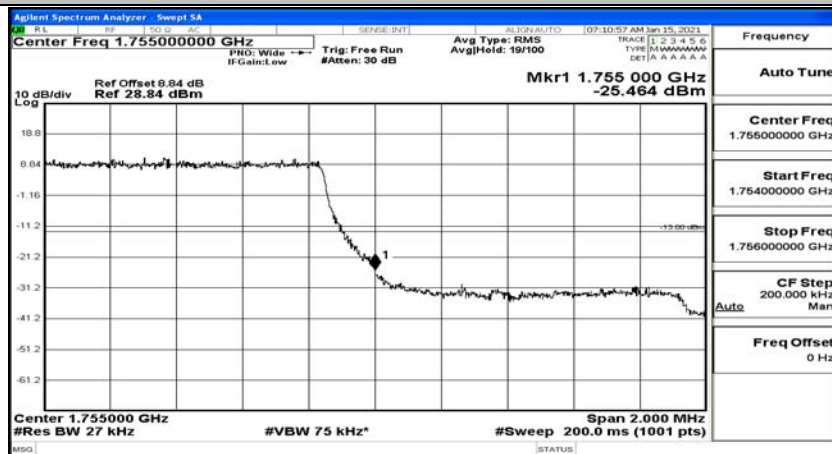


## C.4 Band Edge

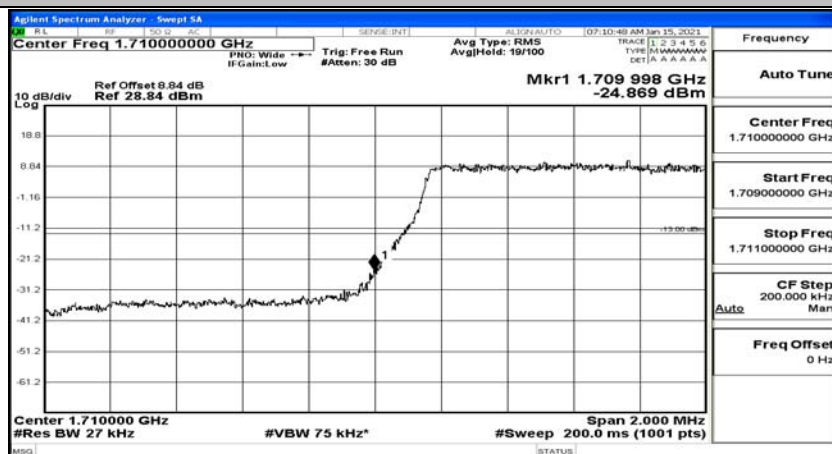
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK



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



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



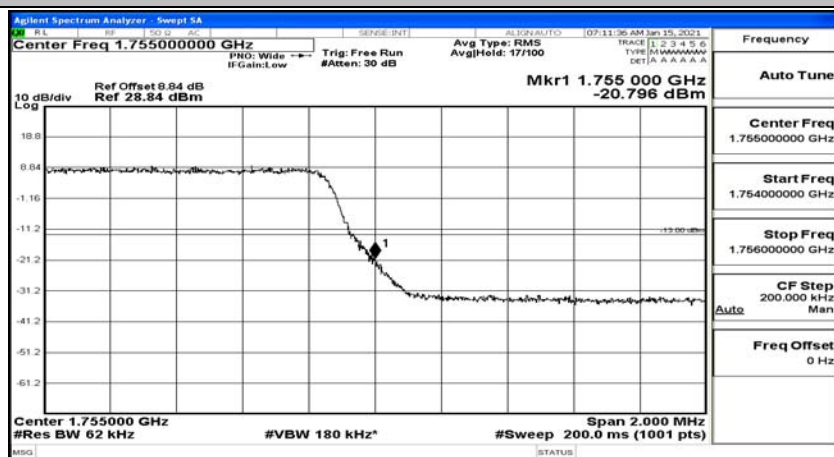
## Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM



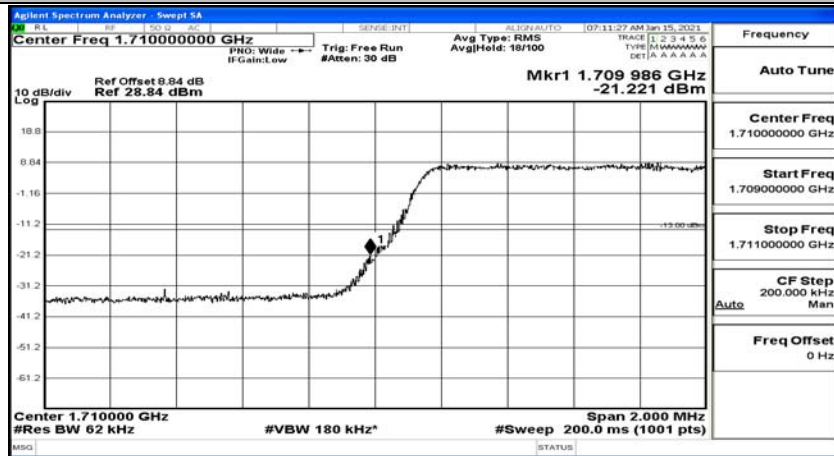
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_QPSK

#Img-QPSK-L-3-F-L-BE

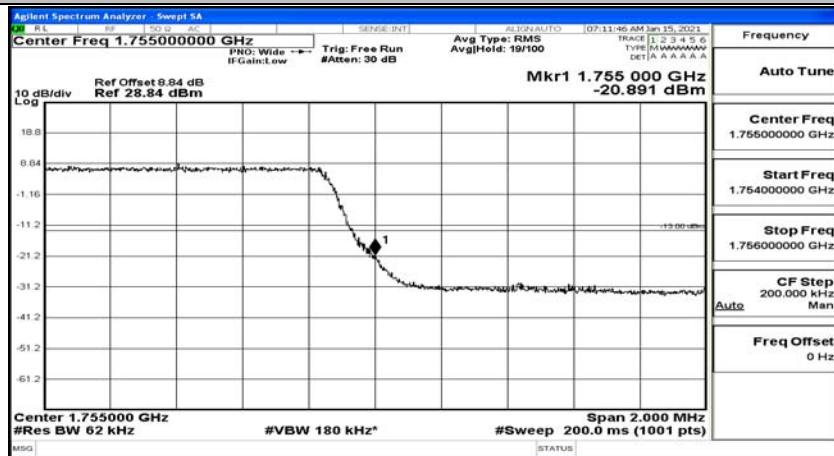
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_QPSK



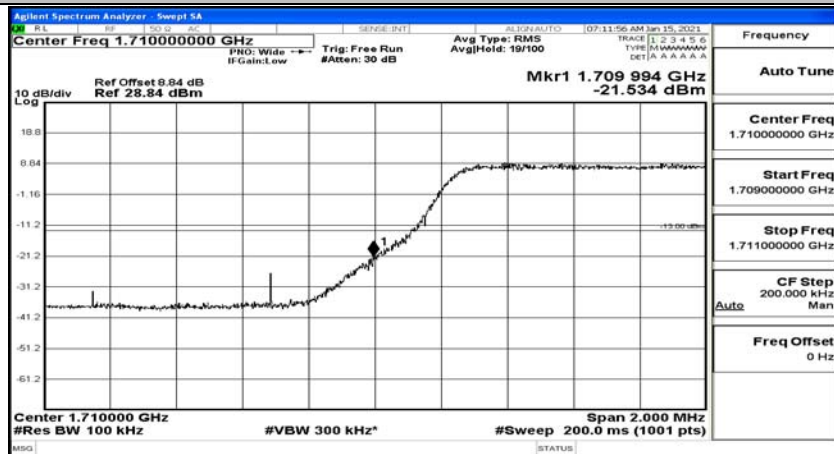
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_LCH\_16QAM



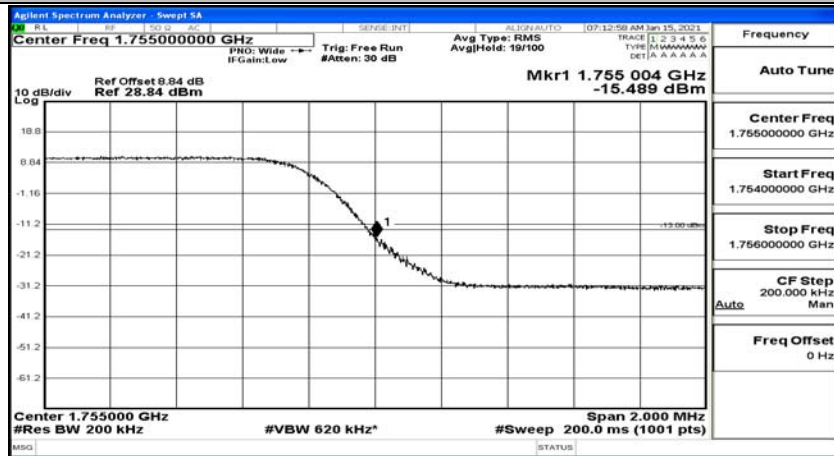
## Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)\_HCH\_16QAM



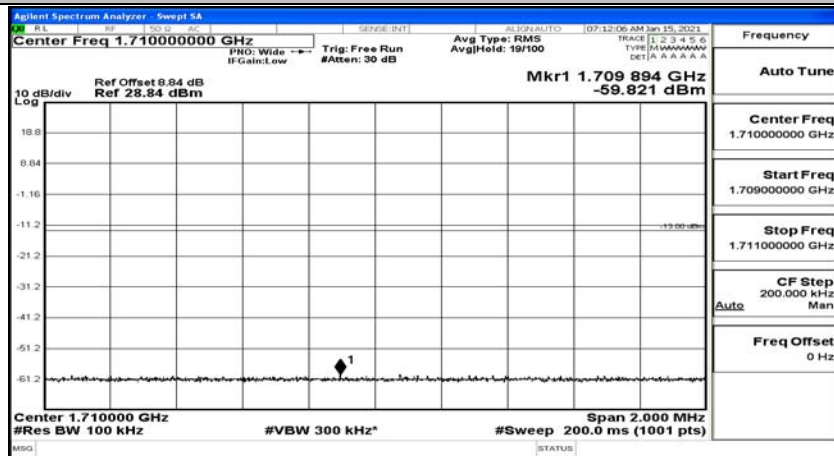
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_LCH\_QPSK



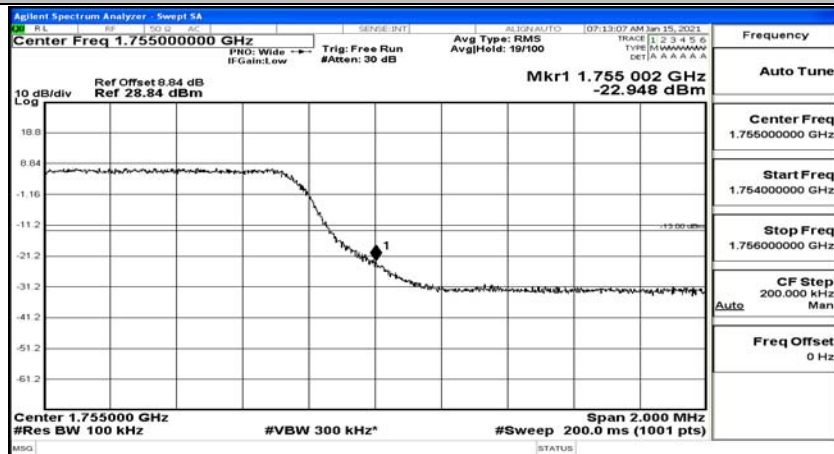
## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_QPSK



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

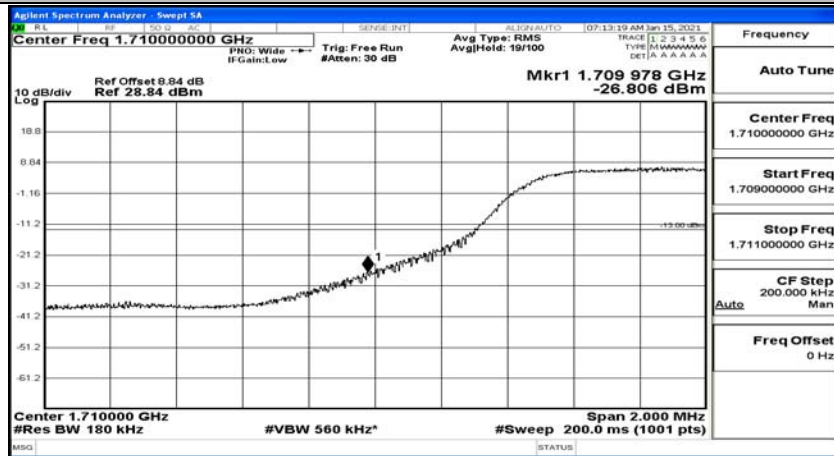


## Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)\_HCH\_16QAM

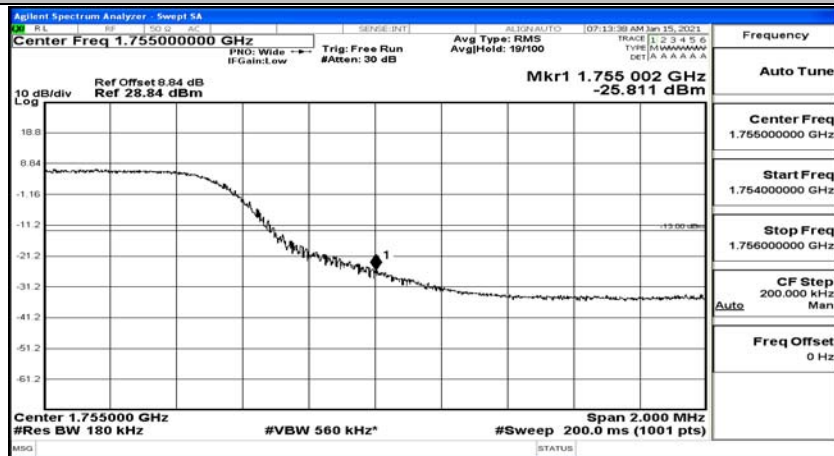




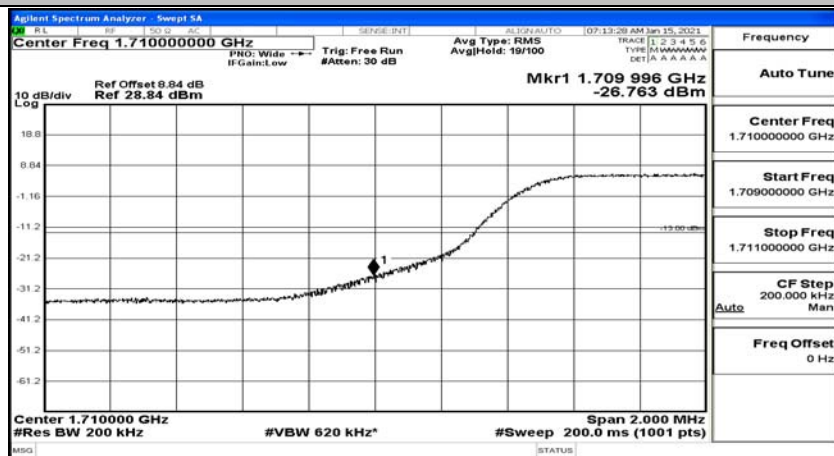
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK



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

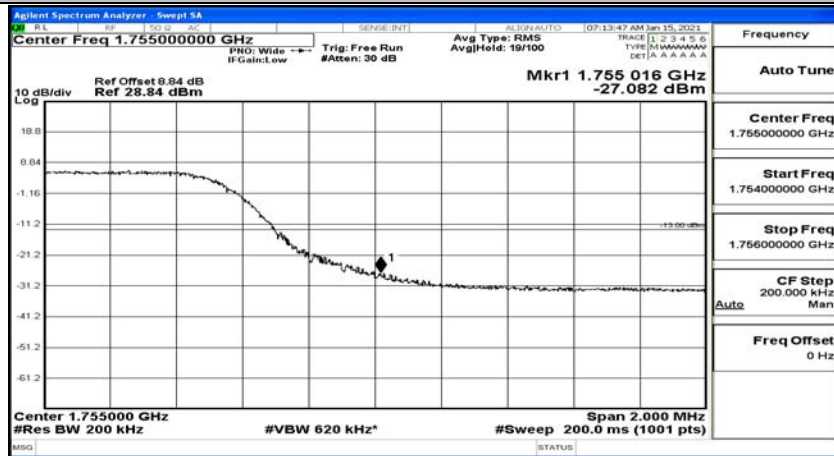


## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_16QAM

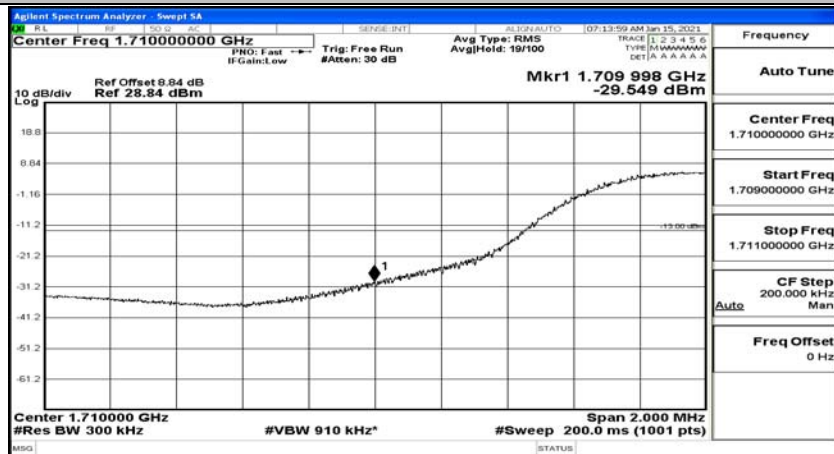




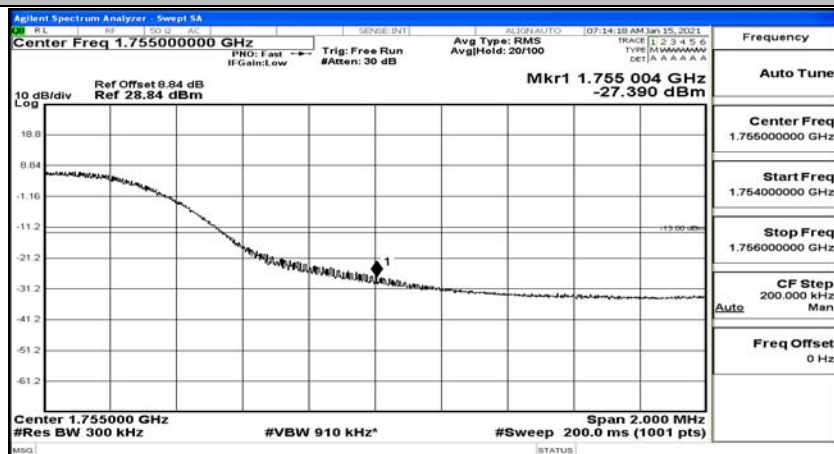
## Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_HCH\_16QAM



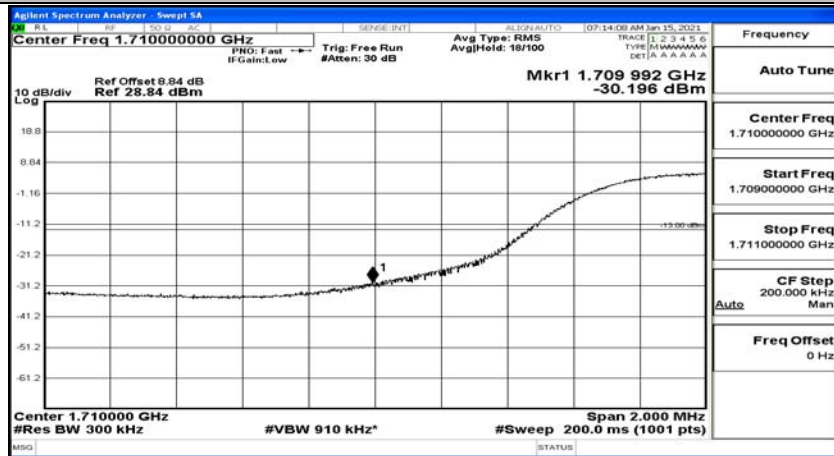
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK



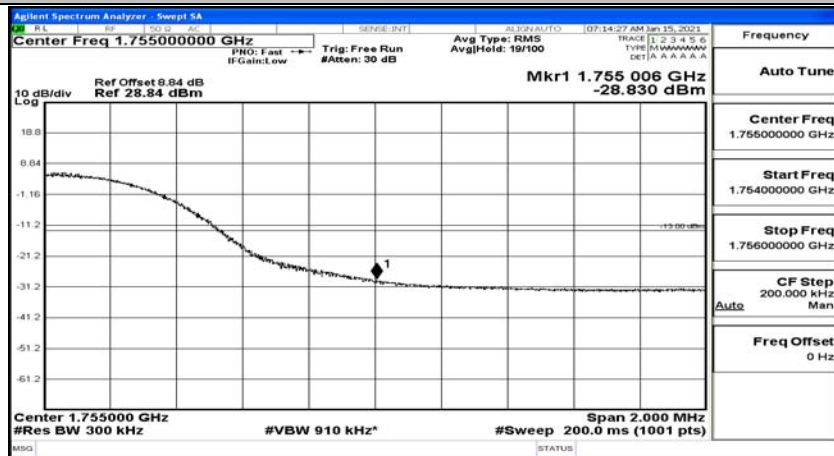
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK



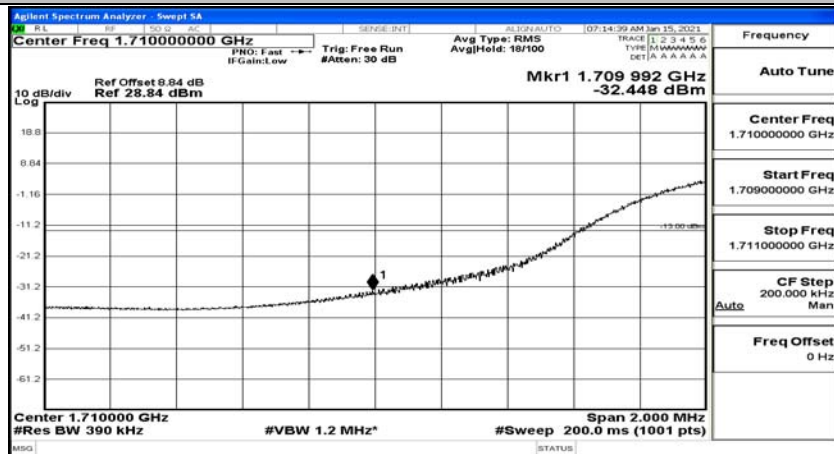
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_16QAM



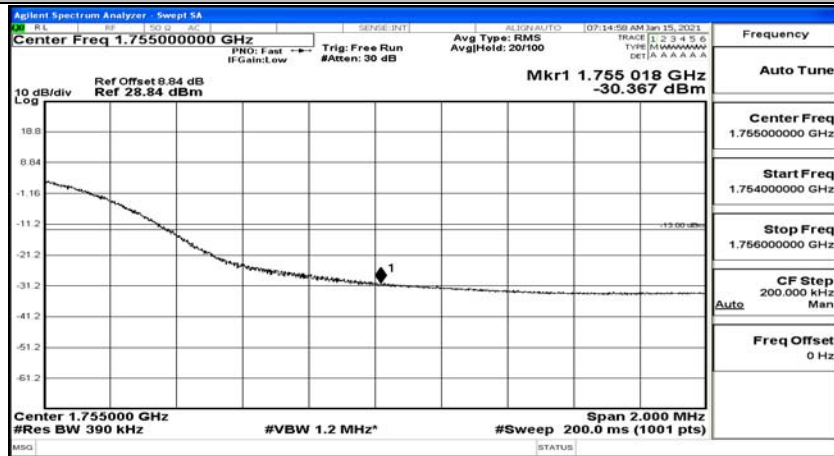
## Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_16QAM



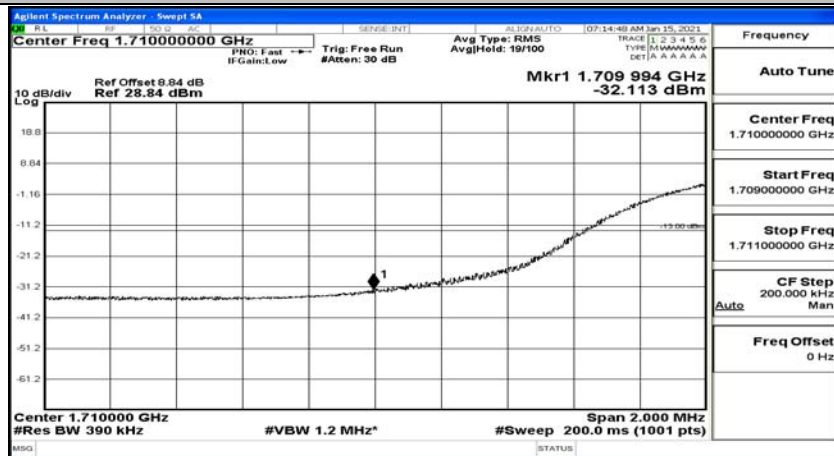
## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_QPSK



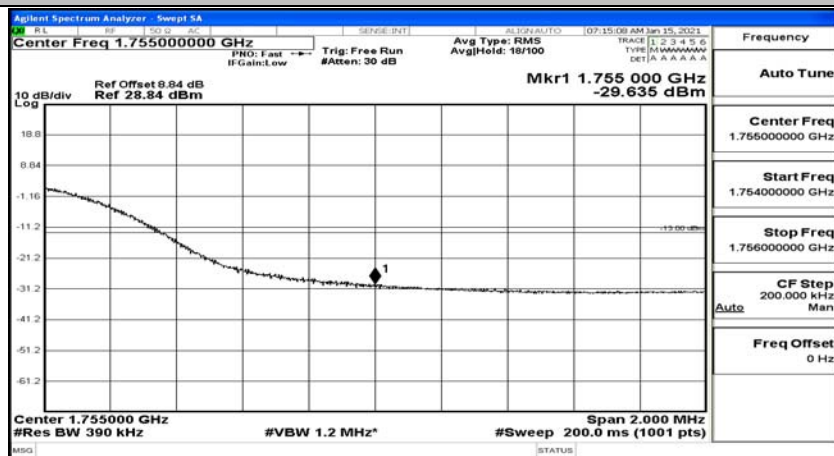
## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_QPSK



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

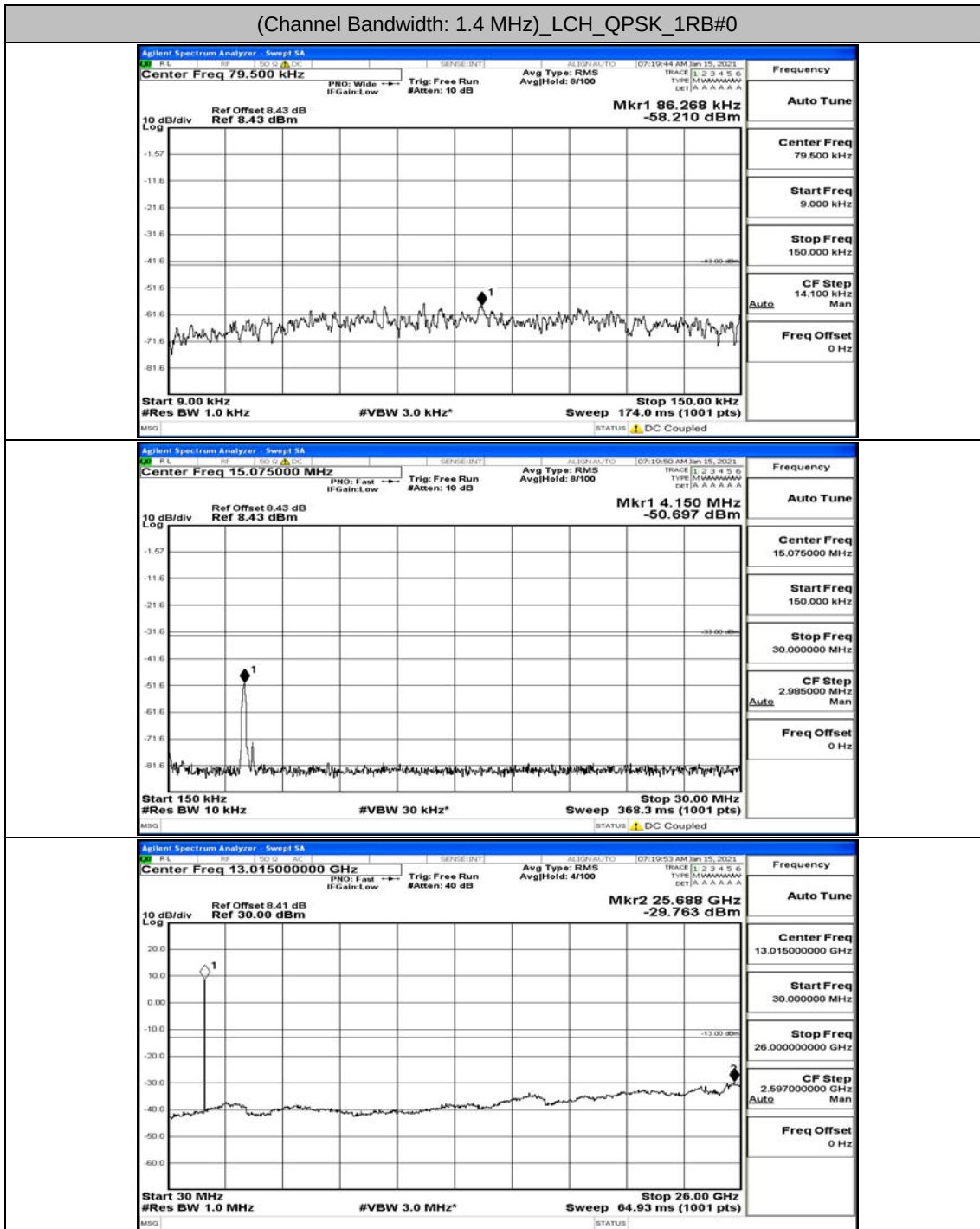


## Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)\_HCH\_16QAM

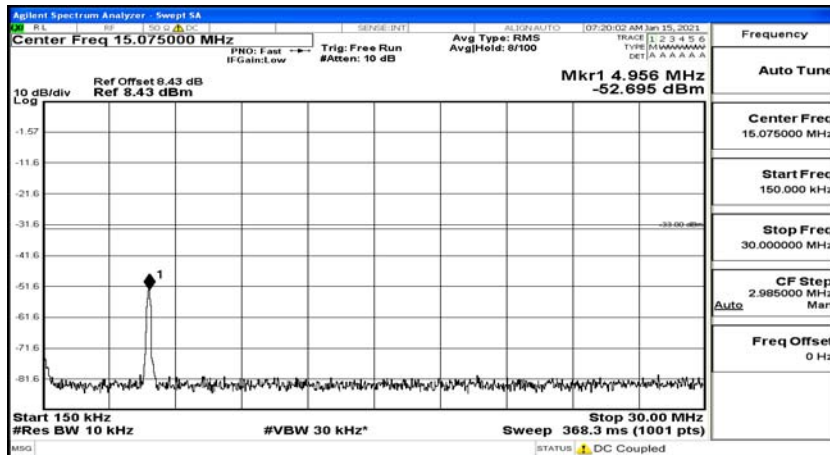
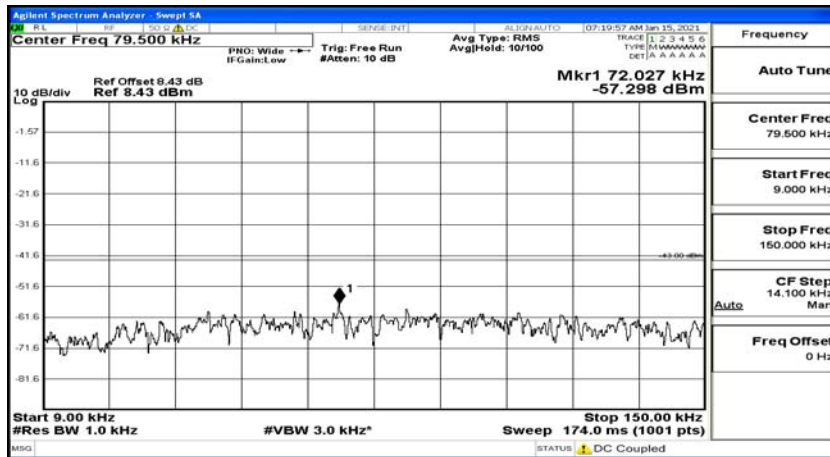


**C.5 Conducted Spurious Emission****Channel Bandwidth: 1.4 MHz**

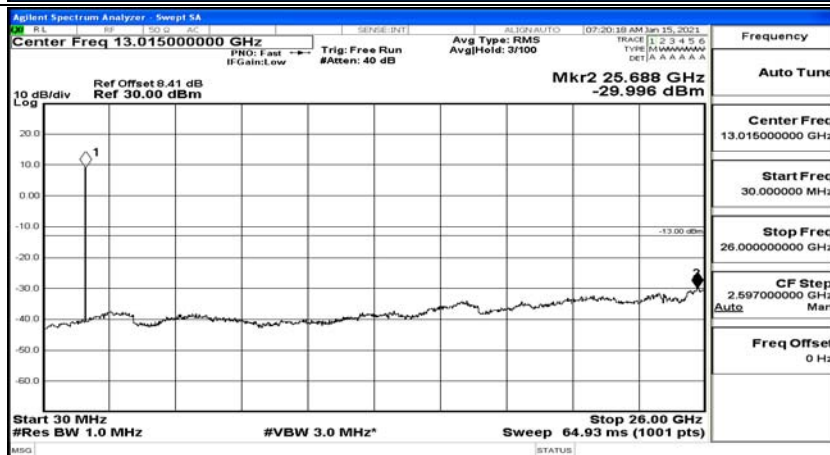
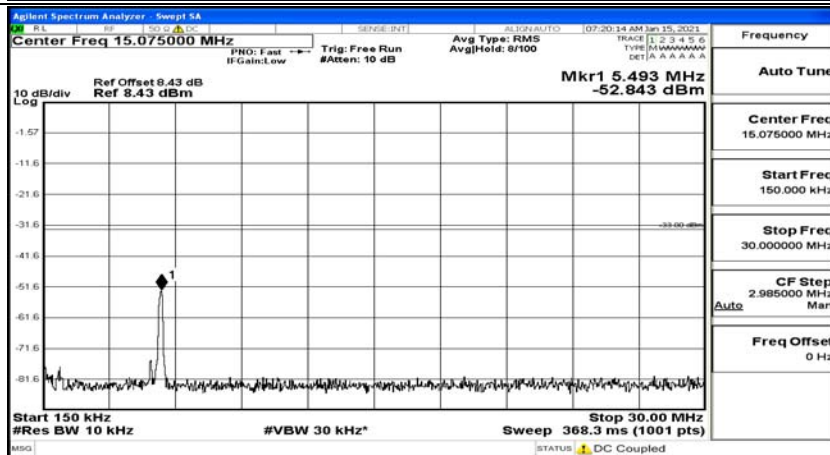
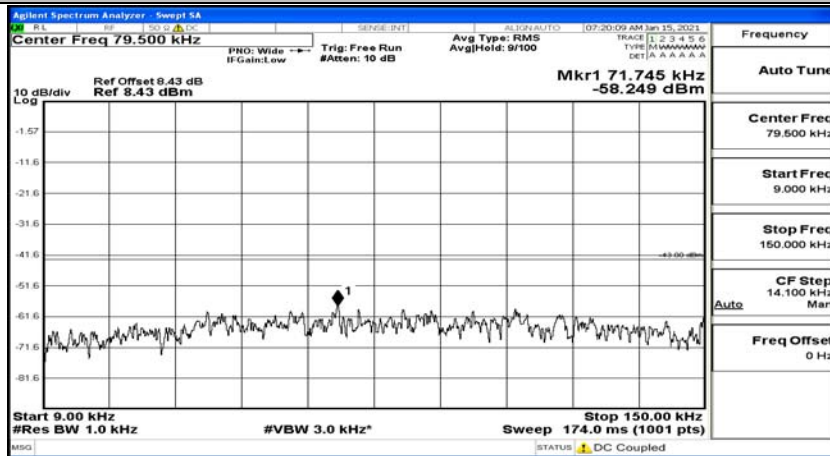
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#0



(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#3

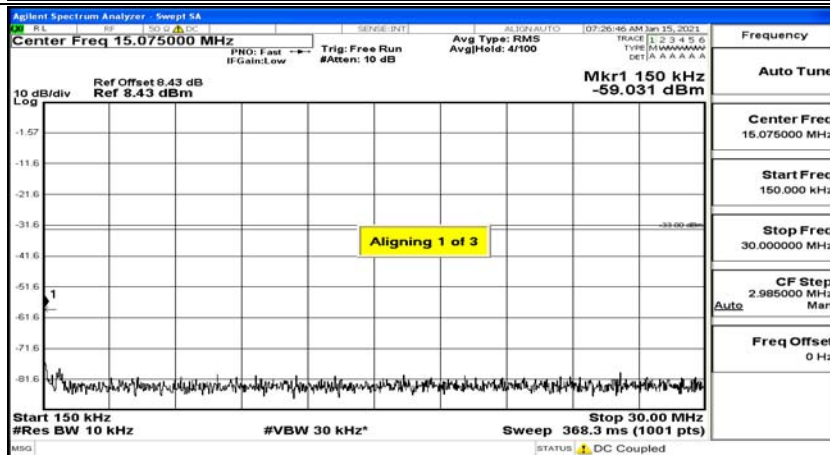
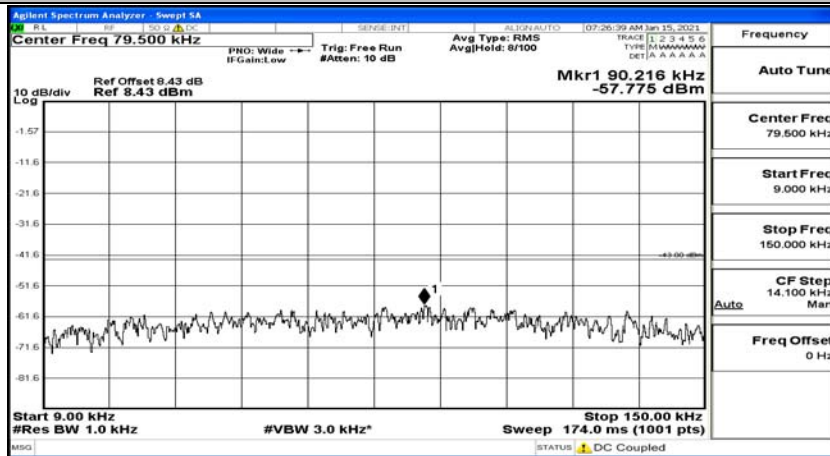


(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_1RB#5



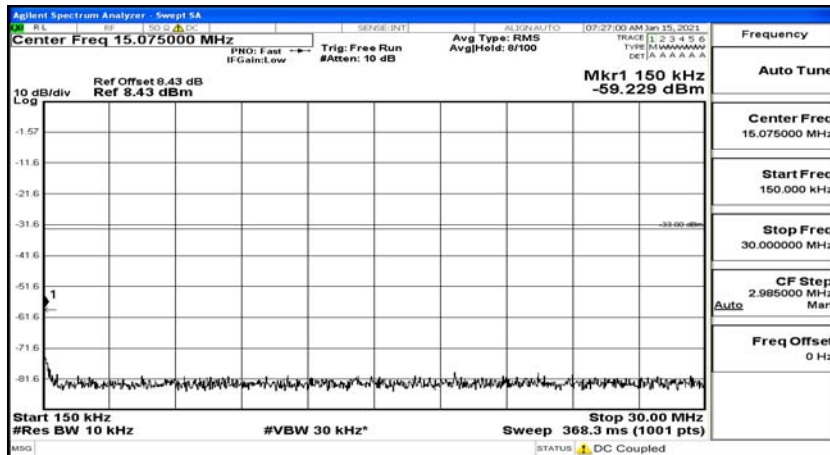
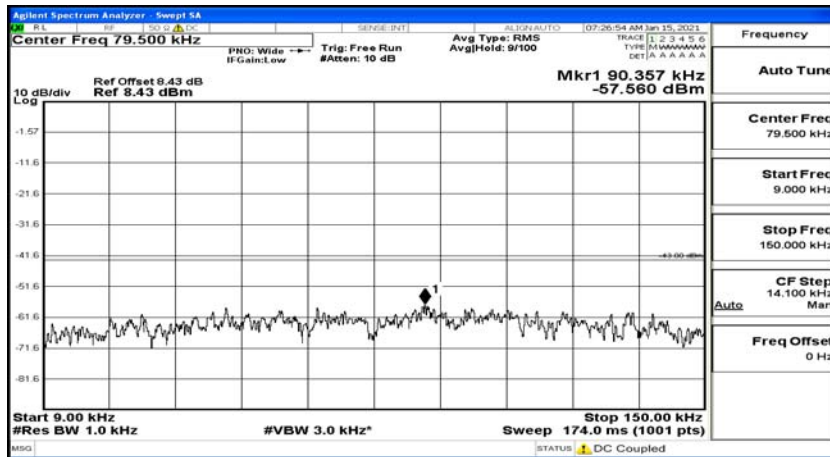


(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#0

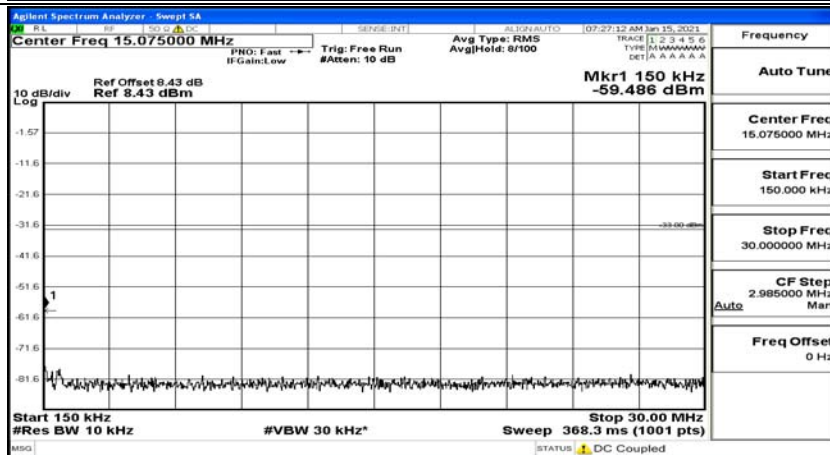
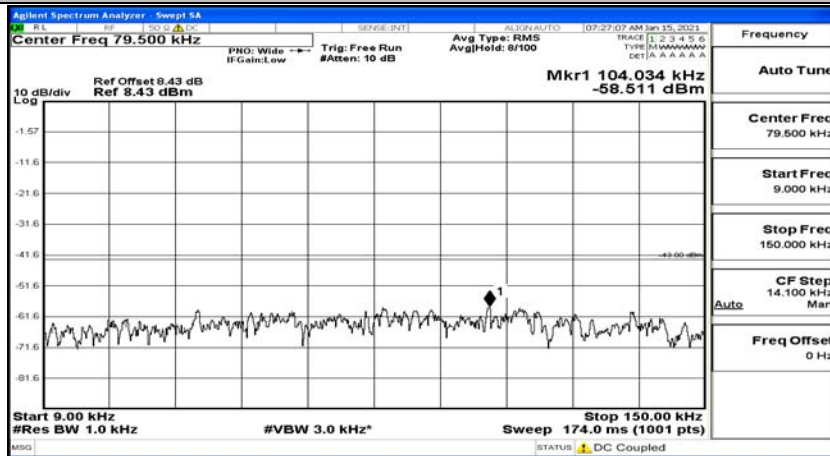




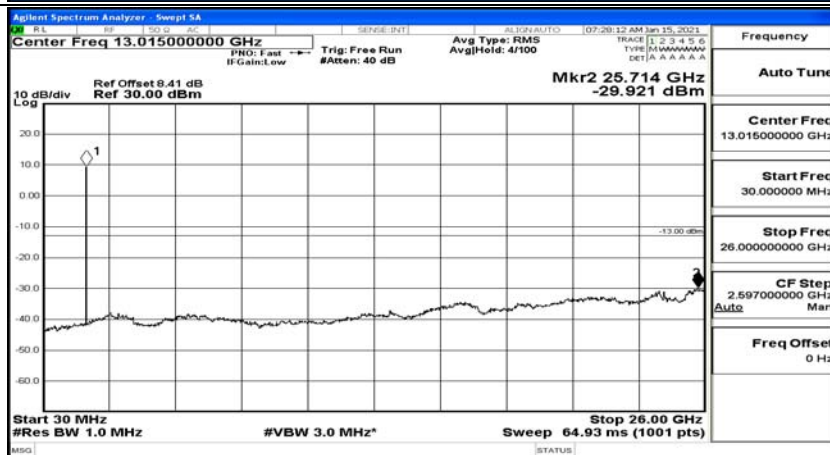
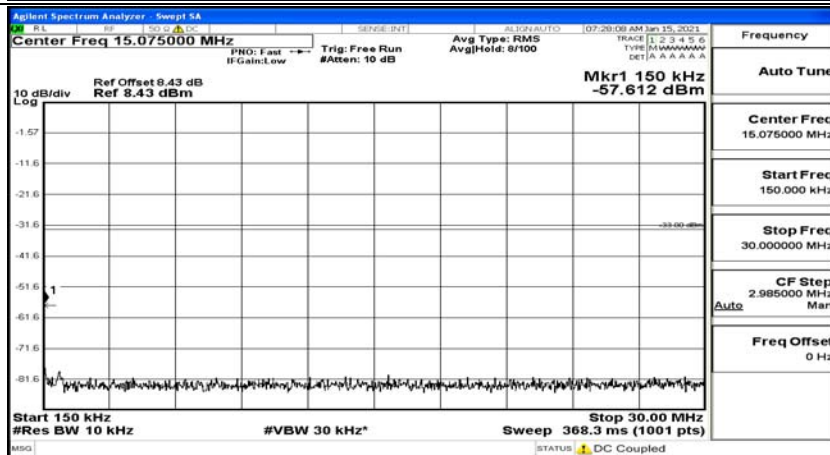
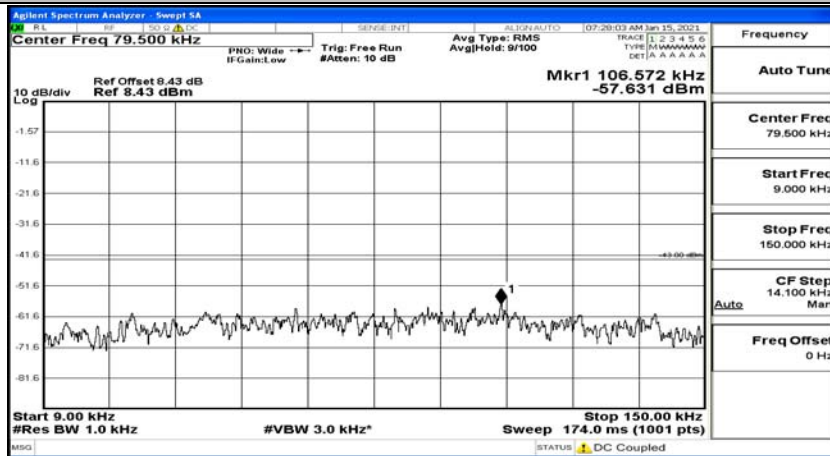
(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#3



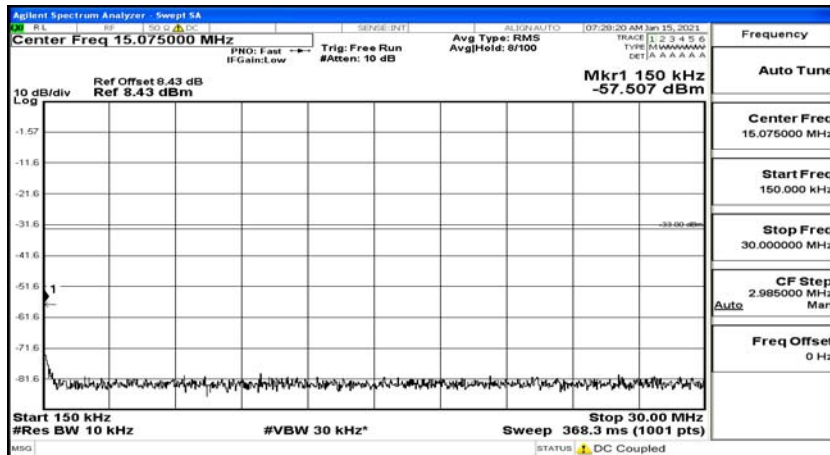
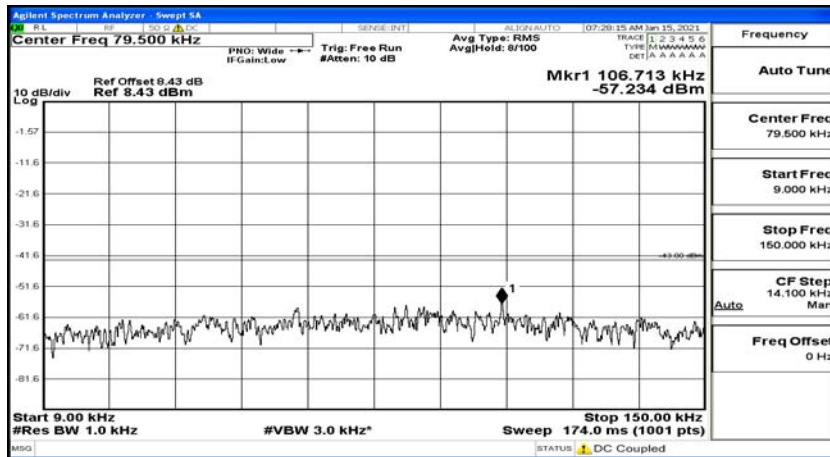
(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#5



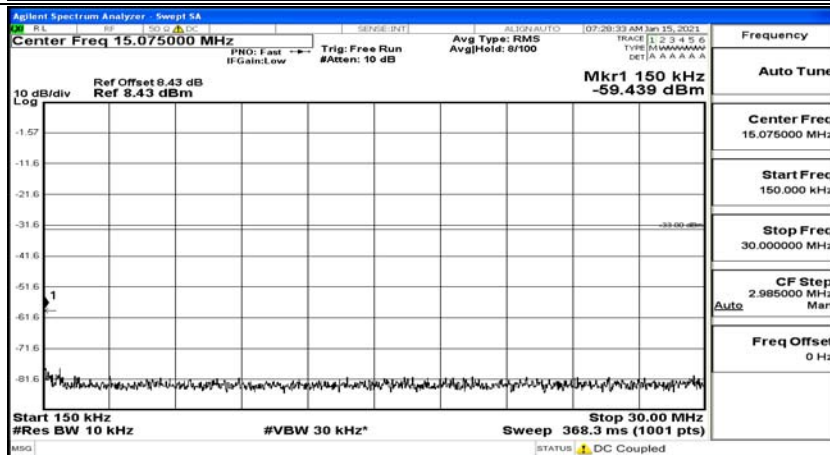
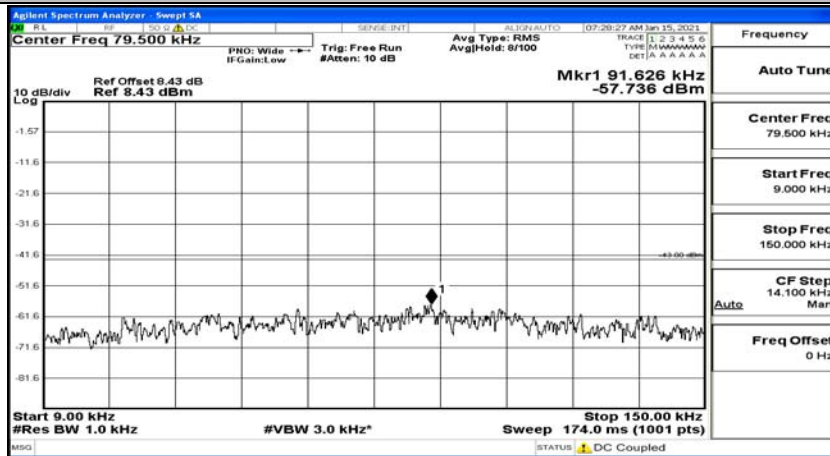
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#0



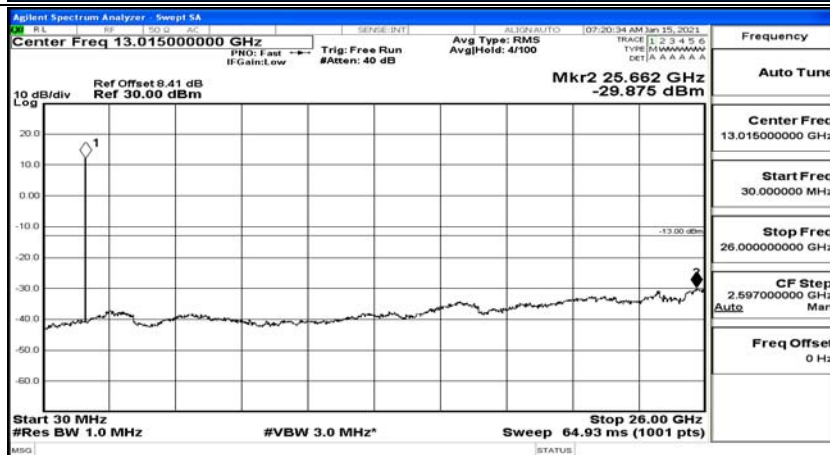
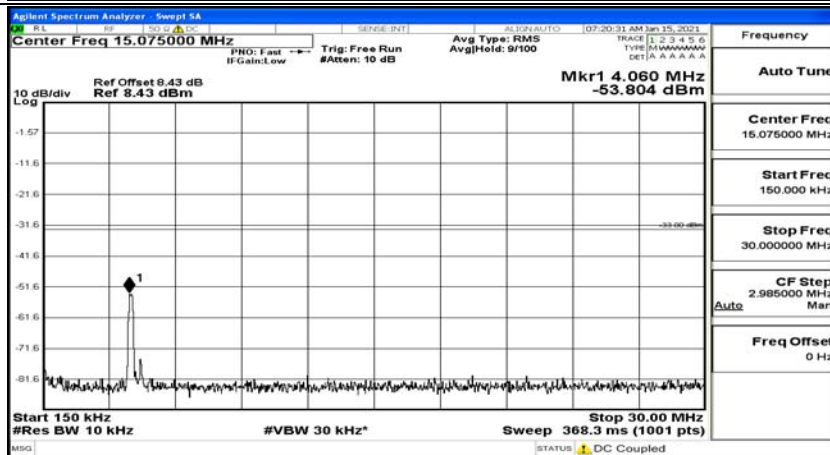
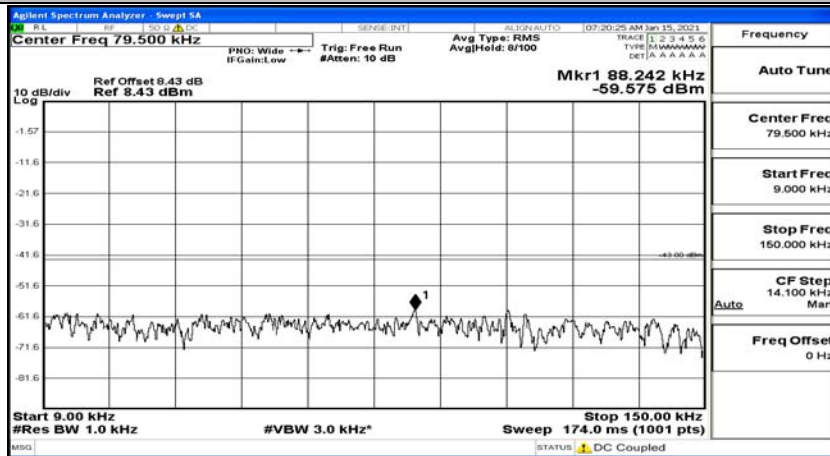
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#3



(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#5

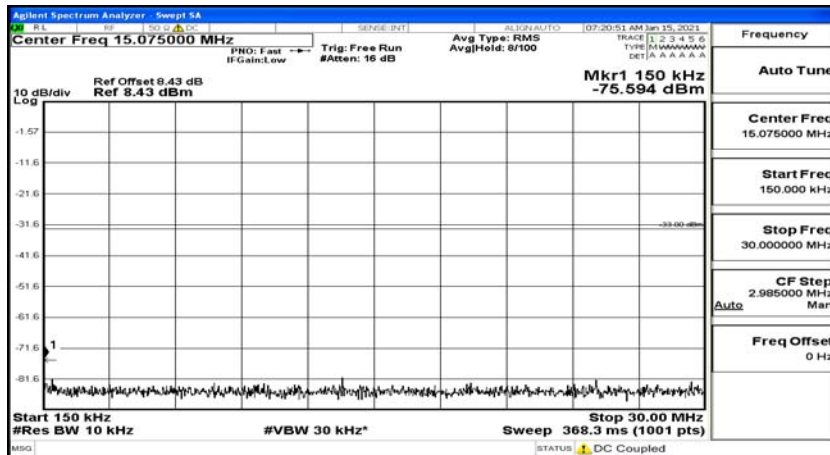
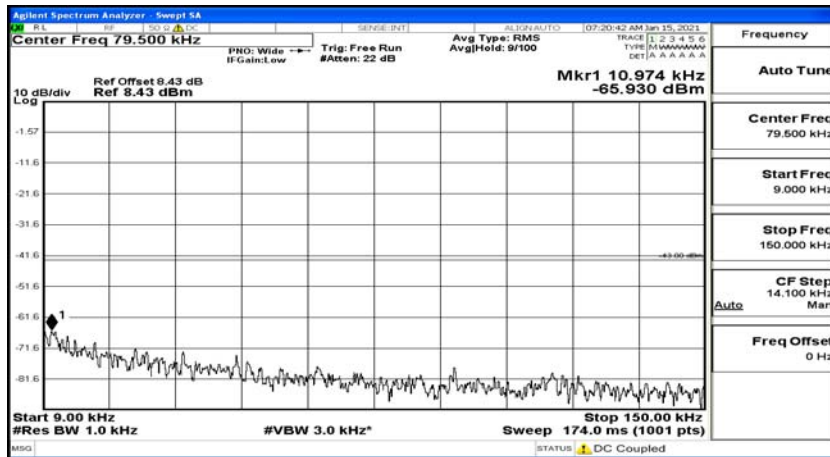


(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#0



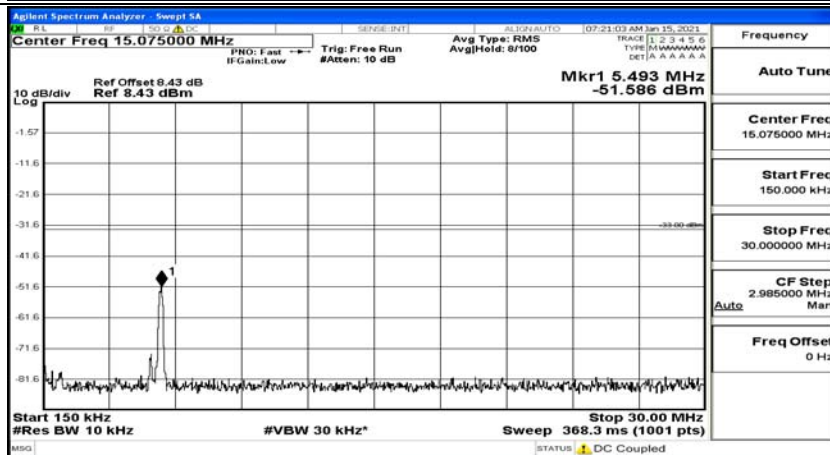
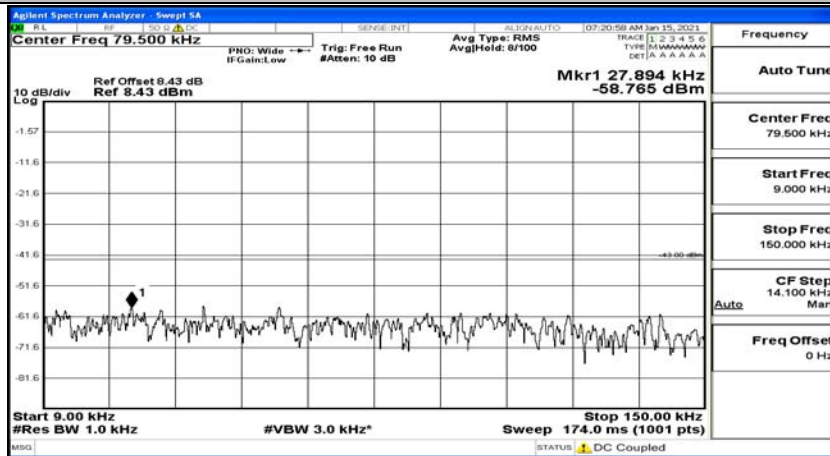


(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#3

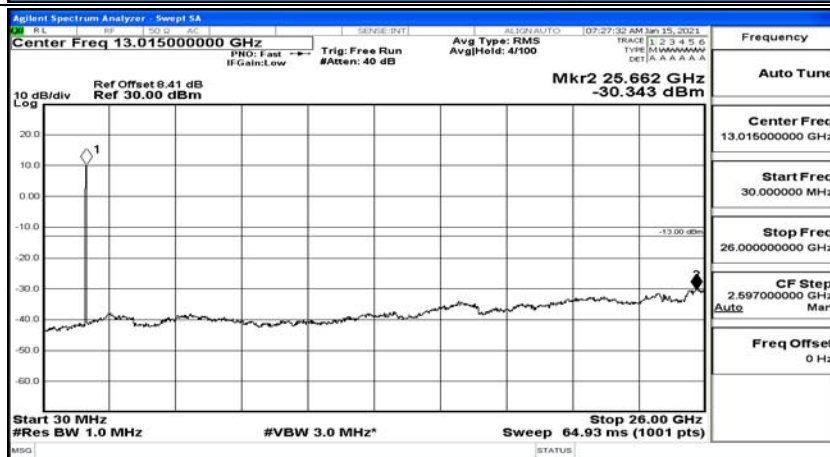
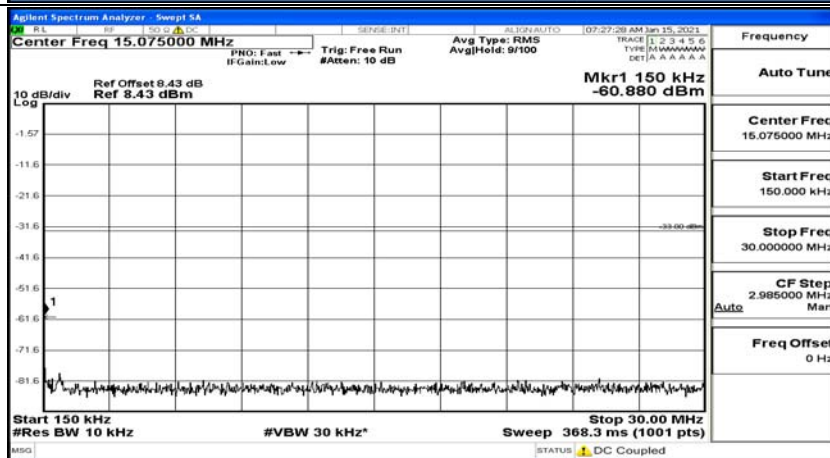
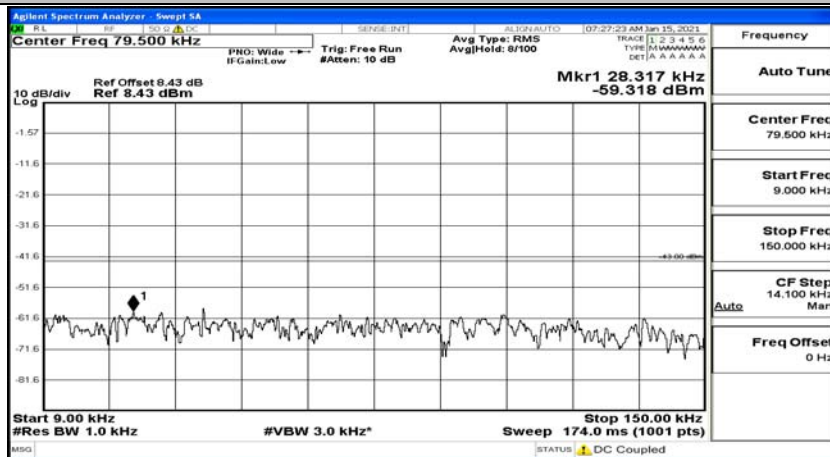




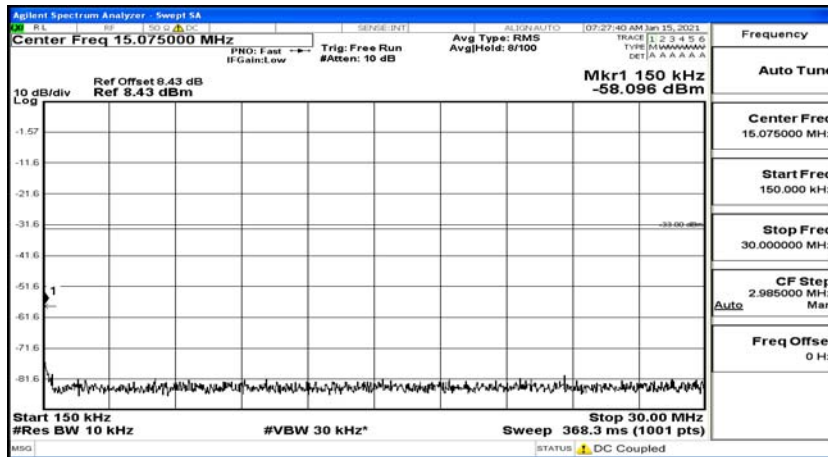
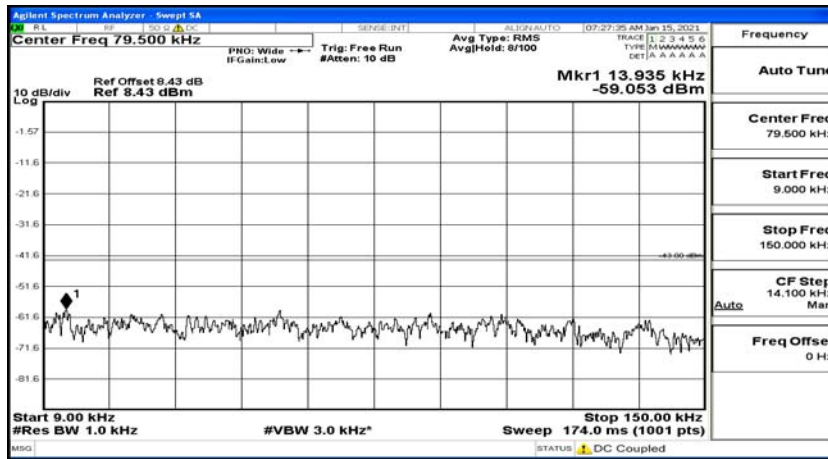
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#5



(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

