

## Appendix for Band 17

### Appendix A: Average Power Output Data

#### Test Result

#### Channel Bandwidth: 5 MHz

| Modulation | Channel | RB Configuration |        | Average Power [dBm] | Verdict |
|------------|---------|------------------|--------|---------------------|---------|
|            |         | Size             | Offset |                     |         |
| QPSK       | LCH     | 1                | 0      | 23.40               | PASS    |
|            |         | 1                | 12     | 23.46               | PASS    |
|            |         | 1                | 24     | 23.27               | PASS    |
|            |         | 12               | 0      | 22.49               | PASS    |
|            |         | 12               | 6      | 22.46               | PASS    |
|            |         | 12               | 13     | 22.40               | PASS    |
|            |         | 25               | 0      | 22.40               | PASS    |
|            | MCH     | 1                | 0      | 23.31               | PASS    |
|            |         | 1                | 12     | 23.32               | PASS    |
|            |         | 1                | 24     | 23.02               | PASS    |
|            |         | 12               | 0      | 22.37               | PASS    |
|            |         | 12               | 6      | 22.31               | PASS    |
|            |         | 12               | 13     | 22.19               | PASS    |
|            |         | 25               | 0      | 22.24               | PASS    |
| 16QAM      | HCH     | 1                | 0      | 23.04               | PASS    |
|            |         | 1                | 12     | 22.93               | PASS    |
|            |         | 1                | 24     | 22.74               | PASS    |
|            |         | 12               | 0      | 22.07               | PASS    |
|            |         | 12               | 6      | 21.97               | PASS    |
|            |         | 12               | 13     | 21.90               | PASS    |
|            |         | 25               | 0      | 21.93               | PASS    |
|            | LCH     | 1                | 0      | 22.89               | PASS    |
|            |         | 1                | 12     | 22.92               | PASS    |
|            |         | 1                | 24     | 22.75               | PASS    |
|            |         | 12               | 0      | 21.70               | PASS    |
|            |         | 12               | 6      | 21.69               | PASS    |
|            |         | 12               | 13     | 21.65               | PASS    |
|            |         | 25               | 0      | 21.53               | PASS    |
|            | MCH     | 1                | 0      | 22.45               | PASS    |
|            |         | 1                | 12     | 22.47               | PASS    |
|            |         | 1                | 24     | 22.15               | PASS    |
|            |         | 12               | 0      | 21.46               | PASS    |

|     |  |    |    |       |      |
|-----|--|----|----|-------|------|
|     |  | 12 | 6  | 21.40 | PASS |
|     |  | 12 | 13 | 21.28 | PASS |
|     |  | 25 | 0  | 21.32 | PASS |
| HCH |  | 1  | 0  | 22.30 | PASS |
|     |  | 1  | 12 | 22.15 | PASS |
|     |  | 1  | 24 | 21.96 | PASS |
|     |  | 12 | 0  | 21.17 | PASS |
|     |  | 12 | 6  | 21.07 | PASS |
|     |  | 12 | 13 | 20.99 | PASS |
|     |  | 25 | 0  | 21.02 | PASS |

**Channel Bandwidth: 10 MHz**

| Channel Bandwidth: 10 MHz |         |                  |        |                     |         |
|---------------------------|---------|------------------|--------|---------------------|---------|
| Modulation                | Channel | RB Configuration |        | Average Power [dBm] | Verdict |
|                           |         | Size             | Offset |                     |         |
| QPSK                      | LCH     | 1                | 0      | 23.38               | PASS    |
|                           |         | 1                | 24     | 23.22               | PASS    |
|                           |         | 1                | 49     | 22.92               | PASS    |
|                           |         | 25               | 0      | 22.44               | PASS    |
|                           |         | 25               | 12     | 22.33               | PASS    |
|                           |         | 25               | 25     | 22.18               | PASS    |
|                           |         | 50               | 0      | 22.31               | PASS    |
|                           | MCH     | 1                | 0      | 23.39               | PASS    |
|                           |         | 1                | 24     | 23.19               | PASS    |
|                           |         | 1                | 49     | 22.83               | PASS    |
|                           |         | 25               | 0      | 22.35               | PASS    |
|                           |         | 25               | 12     | 22.23               | PASS    |
|                           |         | 25               | 25     | 22.06               | PASS    |
|                           |         | 50               | 0      | 22.25               | PASS    |
| 16QAM                     | HCH     | 1                | 0      | 23.43               | PASS    |
|                           |         | 1                | 24     | 23.11               | PASS    |
|                           |         | 1                | 49     | 22.78               | PASS    |
|                           |         | 25               | 0      | 22.34               | PASS    |
|                           |         | 25               | 12     | 22.16               | PASS    |
|                           |         | 25               | 25     | 21.96               | PASS    |
|                           |         | 50               | 0      | 22.17               | PASS    |
|                           | LCH     | 1                | 0      | 22.75               | PASS    |
|                           |         | 1                | 24     | 22.62               | PASS    |
|                           |         | 1                | 49     | 22.28               | PASS    |
|                           |         | 25               | 0      | 21.51               | PASS    |
|                           |         | 25               | 12     | 21.40               | PASS    |
|                           |         | 25               | 25     | 21.26               | PASS    |
|                           |         | 50               | 0      | 21.35               | PASS    |

|  |     |    |    |       |      |
|--|-----|----|----|-------|------|
|  | MCH | 1  | 0  | 22.75 | PASS |
|  |     | 1  | 24 | 22.57 | PASS |
|  |     | 1  | 49 | 22.16 | PASS |
|  |     | 25 | 0  | 21.45 | PASS |
|  |     | 25 | 12 | 21.31 | PASS |
|  |     | 25 | 25 | 21.11 | PASS |
|  |     | 50 | 0  | 21.28 | PASS |
|  | HCH | 1  | 0  | 22.86 | PASS |
|  |     | 1  | 24 | 22.65 | PASS |
|  |     | 1  | 49 | 22.26 | PASS |
|  |     | 25 | 0  | 21.44 | PASS |
|  |     | 25 | 12 | 21.26 | PASS |
|  |     | 25 | 25 | 21.06 | PASS |
|  |     | 50 | 0  | 21.27 | PASS |

## Appendix B: Peak-to-Average Ratio

### Test Result

#### Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz |         |                  |        |                               |               |         |
|--------------------------|---------|------------------|--------|-------------------------------|---------------|---------|
| Modulation               | Channel | RB Configuration |        | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
|                          |         | Size             | Offset |                               |               |         |
| QPSK                     | LCH     | 1                | 0      | 4.68                          | <13           | PASS    |
|                          |         | 1                | 12     | 4.6                           | <13           | PASS    |
|                          |         | 1                | 24     | 4.92                          | <13           | PASS    |
|                          |         | 12               | 0      | 5.72                          | <13           | PASS    |
|                          |         | 12               | 6      | 5.74                          | <13           | PASS    |
|                          |         | 12               | 13     | 5.84                          | <13           | PASS    |
|                          |         | 25               | 0      | 5.91                          | <13           | PASS    |
|                          | MCH     | 1                | 0      | 5.05                          | <13           | PASS    |
|                          |         | 1                | 12     | 5.07                          | <13           | PASS    |
|                          |         | 1                | 24     | 5.07                          | <13           | PASS    |
|                          |         | 12               | 0      | 5.86                          | <13           | PASS    |
|                          |         | 12               | 6      | 5.92                          | <13           | PASS    |
|                          |         | 12               | 13     | 5.97                          | <13           | PASS    |
|                          |         | 25               | 0      | 6.01                          | <13           | PASS    |
| 16QAM                    | LCH     | 1                | 0      | 5.12                          | <13           | PASS    |
|                          |         | 1                | 12     | 5.23                          | <13           | PASS    |
|                          |         | 1                | 24     | 4.75                          | <13           | PASS    |
|                          |         | 12               | 0      | 5.94                          | <13           | PASS    |
|                          |         | 12               | 6      | 5.83                          | <13           | PASS    |
|                          |         | 12               | 13     | 5.69                          | <13           | PASS    |
|                          |         | 25               | 0      | 5.86                          | <13           | PASS    |
|                          | MCH     | 1                | 0      | 5.63                          | <13           | PASS    |
|                          |         | 1                | 12     | 5.58                          | <13           | PASS    |
|                          |         | 1                | 24     | 5.74                          | <13           | PASS    |
|                          |         | 12               | 0      | 6.55                          | <13           | PASS    |
|                          |         | 12               | 6      | 6.55                          | <13           | PASS    |
|                          |         | 12               | 13     | 6.65                          | <13           | PASS    |
|                          |         | 25               | 0      | 6.75                          | <13           | PASS    |

|     |     |    |    |      |     |      |
|-----|-----|----|----|------|-----|------|
|     |     | 12 | 6  | 6.87 | <13 | PASS |
|     |     | 12 | 13 | 6.9  | <13 | PASS |
|     |     | 25 | 0  | 6.8  | <13 | PASS |
| HCH | HCH | 1  | 0  | 6.19 | <13 | PASS |
|     |     | 1  | 12 | 6.06 | <13 | PASS |
|     |     | 1  | 24 | 5.76 | <13 | PASS |
|     |     | 12 | 0  | 6.65 | <13 | PASS |
|     |     | 12 | 6  | 6.58 | <13 | PASS |
|     |     | 12 | 13 | 6.44 | <13 | PASS |
|     |     | 25 | 0  | 6.64 | <13 | PASS |
|     |     |    |    |      |     |      |
|     |     |    |    |      |     |      |

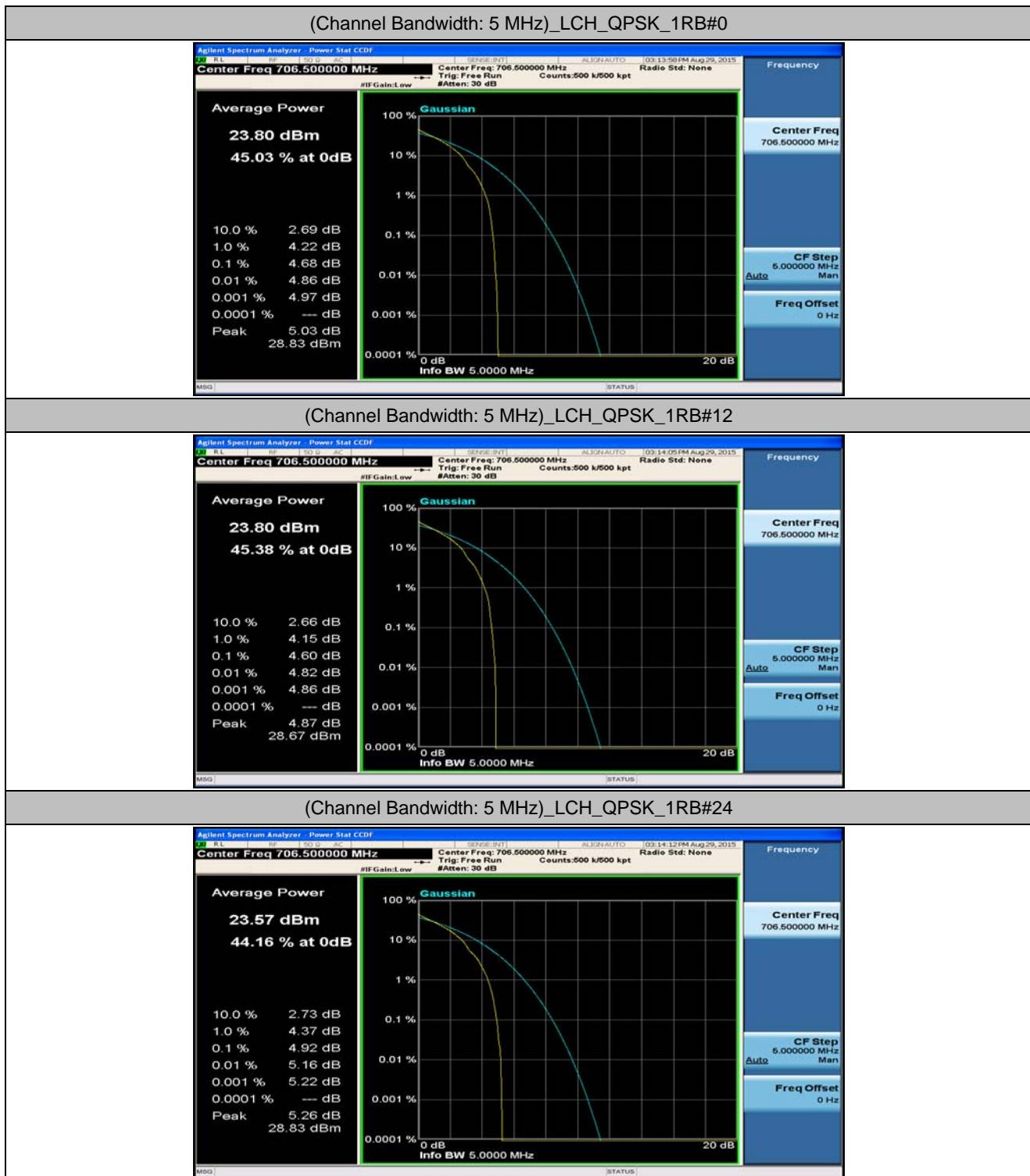
**Channel Bandwidth: 10 MHz**

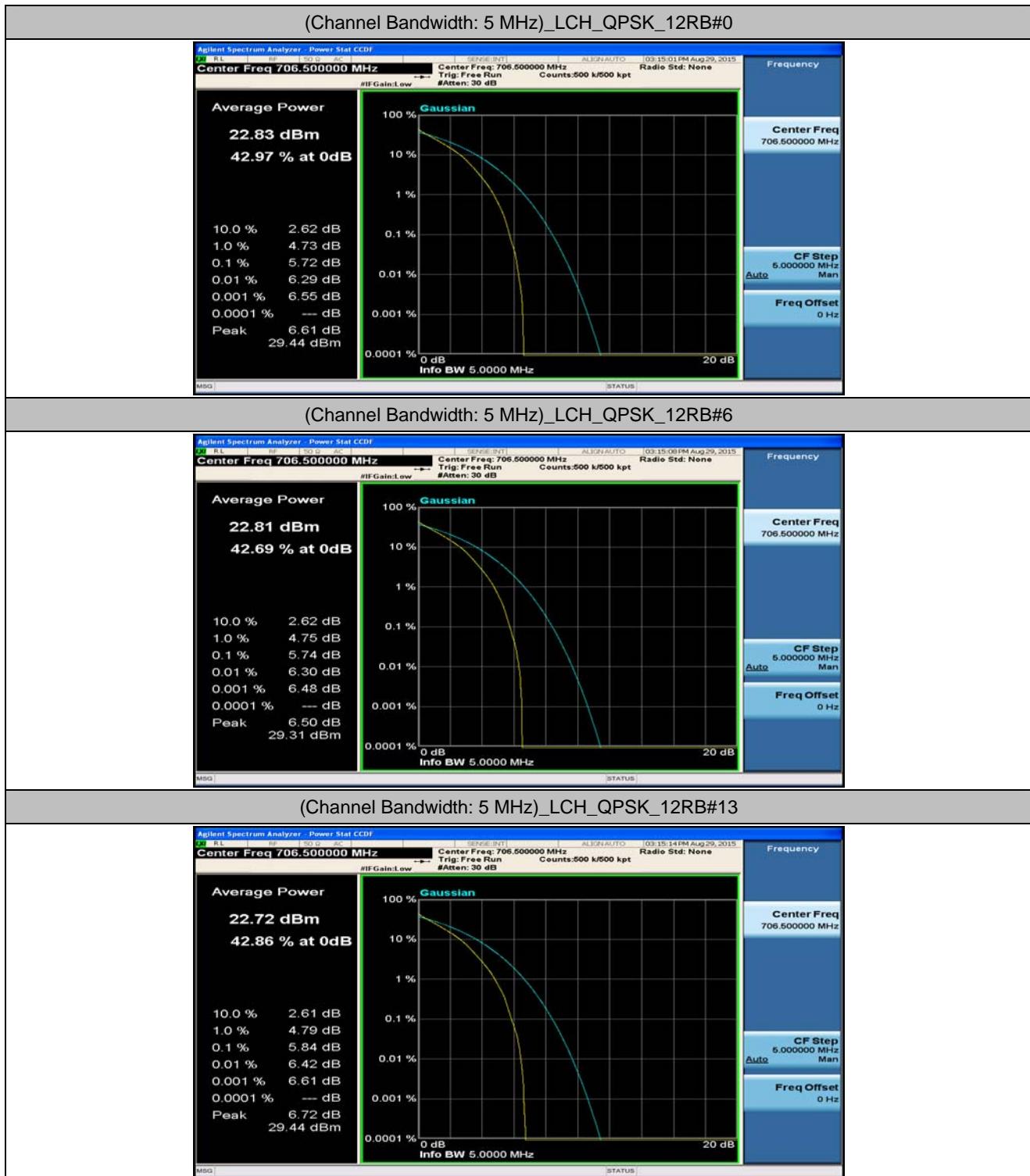
| Channel Bandwidth: 10 MHz |         |                  |        |                               |               |         |
|---------------------------|---------|------------------|--------|-------------------------------|---------------|---------|
| Modulation                | Channel | RB Configuration |        | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
|                           |         | Size             | Offset |                               |               |         |
| QPSK                      | LCH     | 1                | 0      | 4.65                          | <13           | PASS    |
|                           |         | 1                | 24     | 5.12                          | <13           | PASS    |
|                           |         | 1                | 49     | 5.09                          | <13           | PASS    |
|                           |         | 25               | 0      | 5.84                          | <13           | PASS    |
|                           |         | 25               | 12     | 5.95                          | <13           | PASS    |
|                           |         | 25               | 25     | 6                             | <13           | PASS    |
|                           |         | 50               | 0      | 5.91                          | <13           | PASS    |
|                           | MCH     | 1                | 0      | 4.84                          | <13           | PASS    |
|                           |         | 1                | 24     | 5.04                          | <13           | PASS    |
|                           |         | 1                | 49     | 4.92                          | <13           | PASS    |
|                           |         | 25               | 0      | 5.83                          | <13           | PASS    |
|                           |         | 25               | 12     | 5.99                          | <13           | PASS    |
|                           |         | 25               | 25     | 5.89                          | <13           | PASS    |
|                           |         | 50               | 0      | 5.87                          | <13           | PASS    |
|                           | HCH     | 1                | 0      | 4.6                           | <13           | PASS    |
|                           |         | 1                | 24     | 4.96                          | <13           | PASS    |
|                           |         | 1                | 49     | 4.56                          | <13           | PASS    |
|                           |         | 25               | 0      | 5.89                          | <13           | PASS    |
|                           |         | 25               | 12     | 6.03                          | <13           | PASS    |
|                           |         | 25               | 25     | 5.84                          | <13           | PASS    |
|                           |         | 50               | 0      | 5.86                          | <13           | PASS    |
| 16QAM                     | LCH     | 1                | 0      | 5.69                          | <13           | PASS    |
|                           |         | 1                | 24     | 5.94                          | <13           | PASS    |
|                           |         | 1                | 49     | 6.05                          | <13           | PASS    |
|                           |         | 25               | 0      | 6.67                          | <13           | PASS    |
|                           |         | 25               | 12     | 6.73                          | <13           | PASS    |

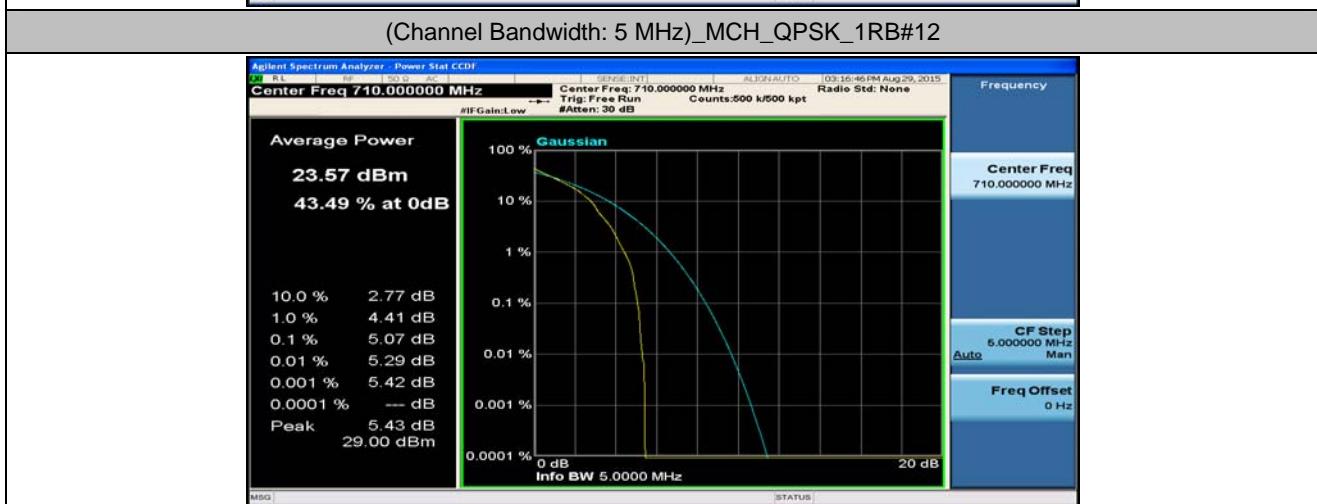
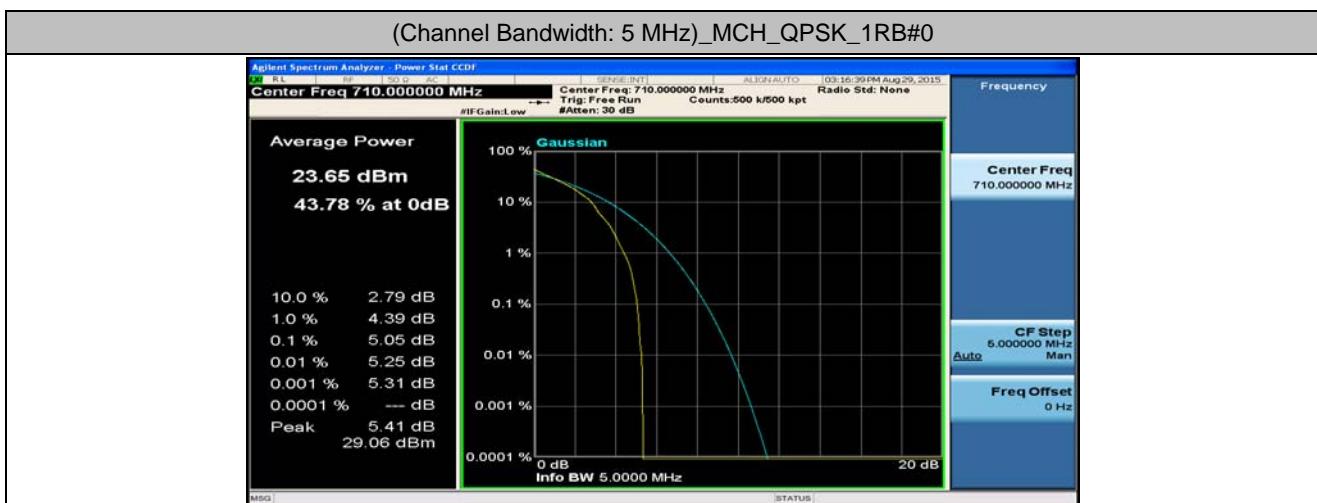
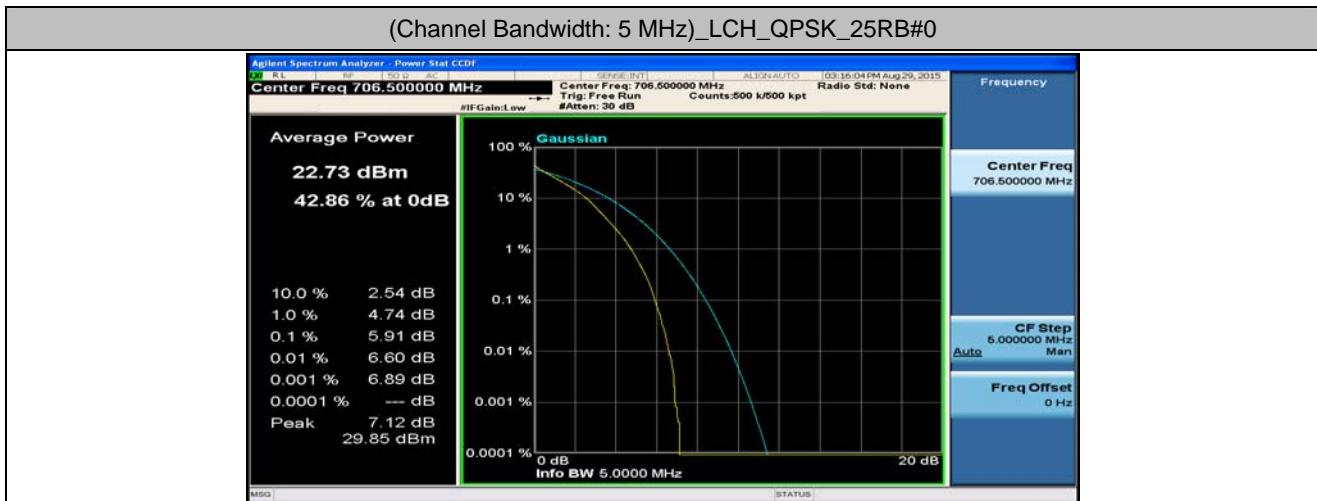
|     |  |    |    |      |     |      |
|-----|--|----|----|------|-----|------|
|     |  | 25 | 25 | 6.74 | <13 | PASS |
|     |  | 50 | 0  | 6.62 | <13 | PASS |
| MCH |  | 1  | 0  | 5.7  | <13 | PASS |
|     |  | 1  | 24 | 5.89 | <13 | PASS |
|     |  | 1  | 49 | 5.82 | <13 | PASS |
|     |  | 25 | 0  | 6.76 | <13 | PASS |
|     |  | 25 | 12 | 6.78 | <13 | PASS |
|     |  | 25 | 25 | 6.63 | <13 | PASS |
|     |  | 50 | 0  | 6.62 | <13 | PASS |
|     |  | 1  | 0  | 5.54 | <13 | PASS |
| HCH |  | 1  | 24 | 5.84 | <13 | PASS |
|     |  | 1  | 49 | 5.48 | <13 | PASS |
|     |  | 25 | 0  | 6.72 | <13 | PASS |
|     |  | 25 | 12 | 6.79 | <13 | PASS |
|     |  | 25 | 25 | 6.64 | <13 | PASS |
|     |  | 50 | 0  | 6.62 | <13 | PASS |
|     |  |    |    |      |     |      |

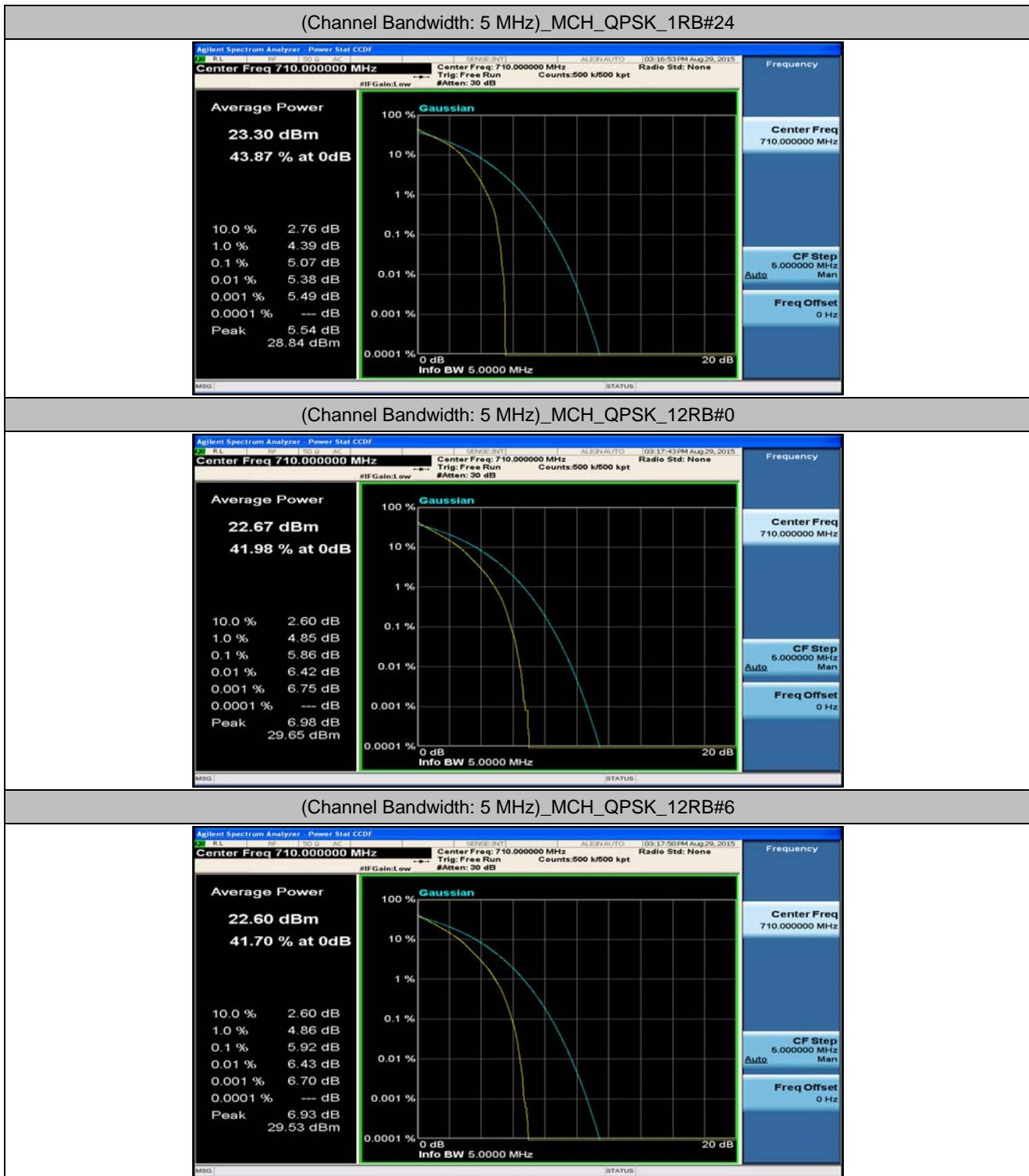
## Test Graphs

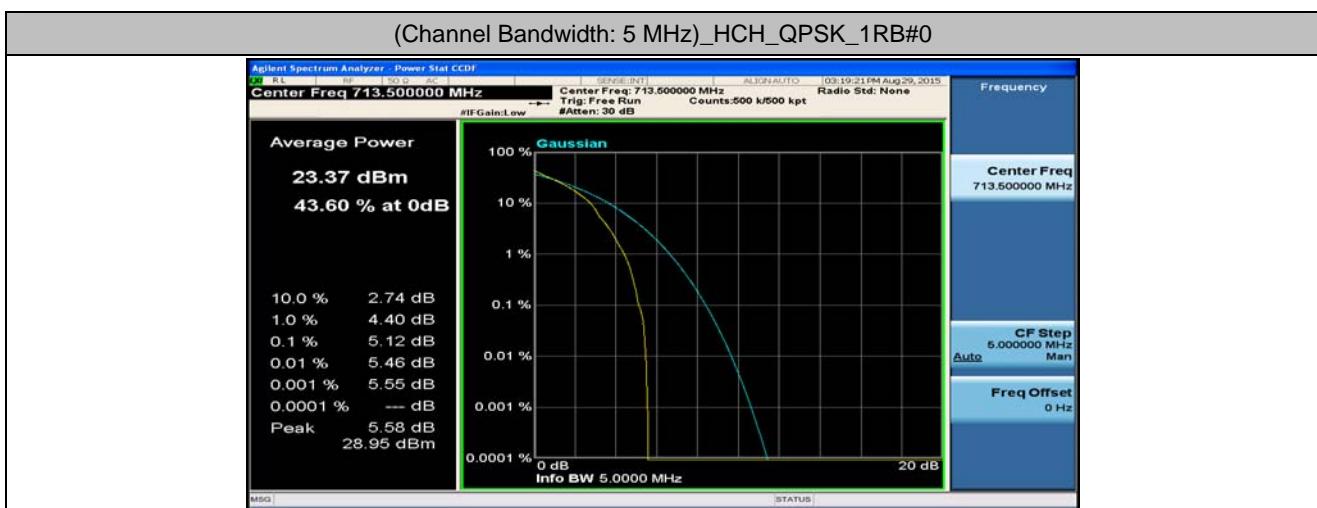
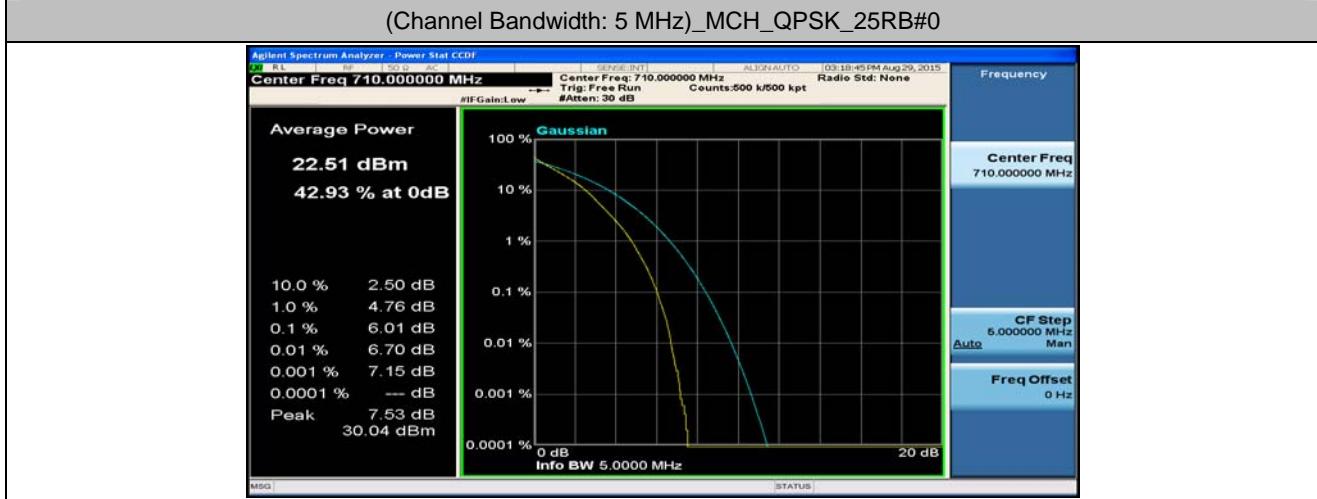
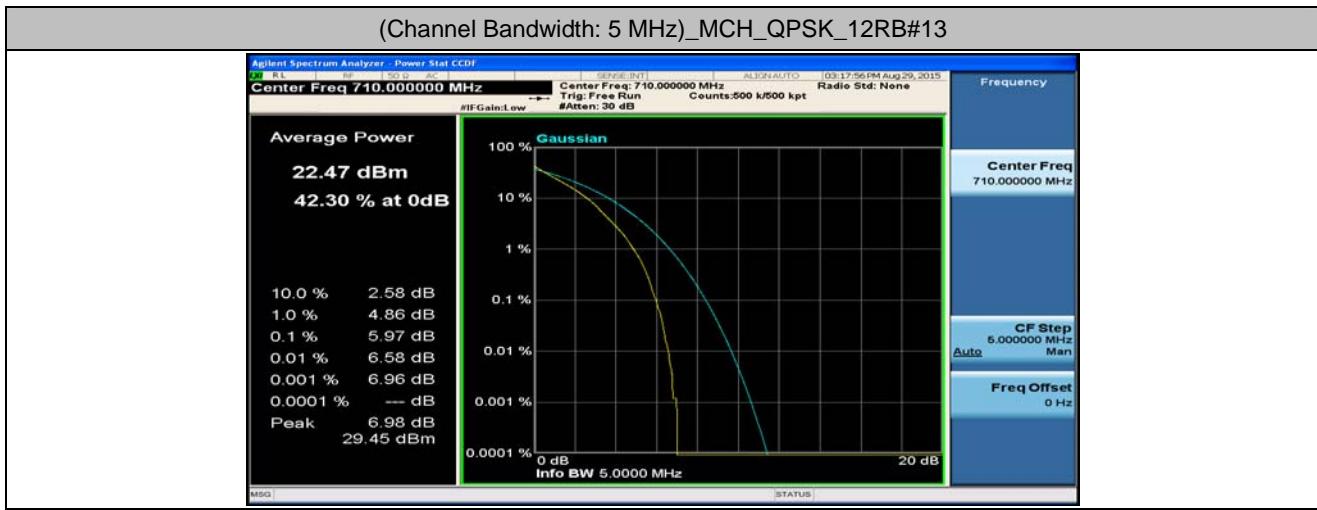
### Channel Bandwidth: 5 MHz











## (Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12

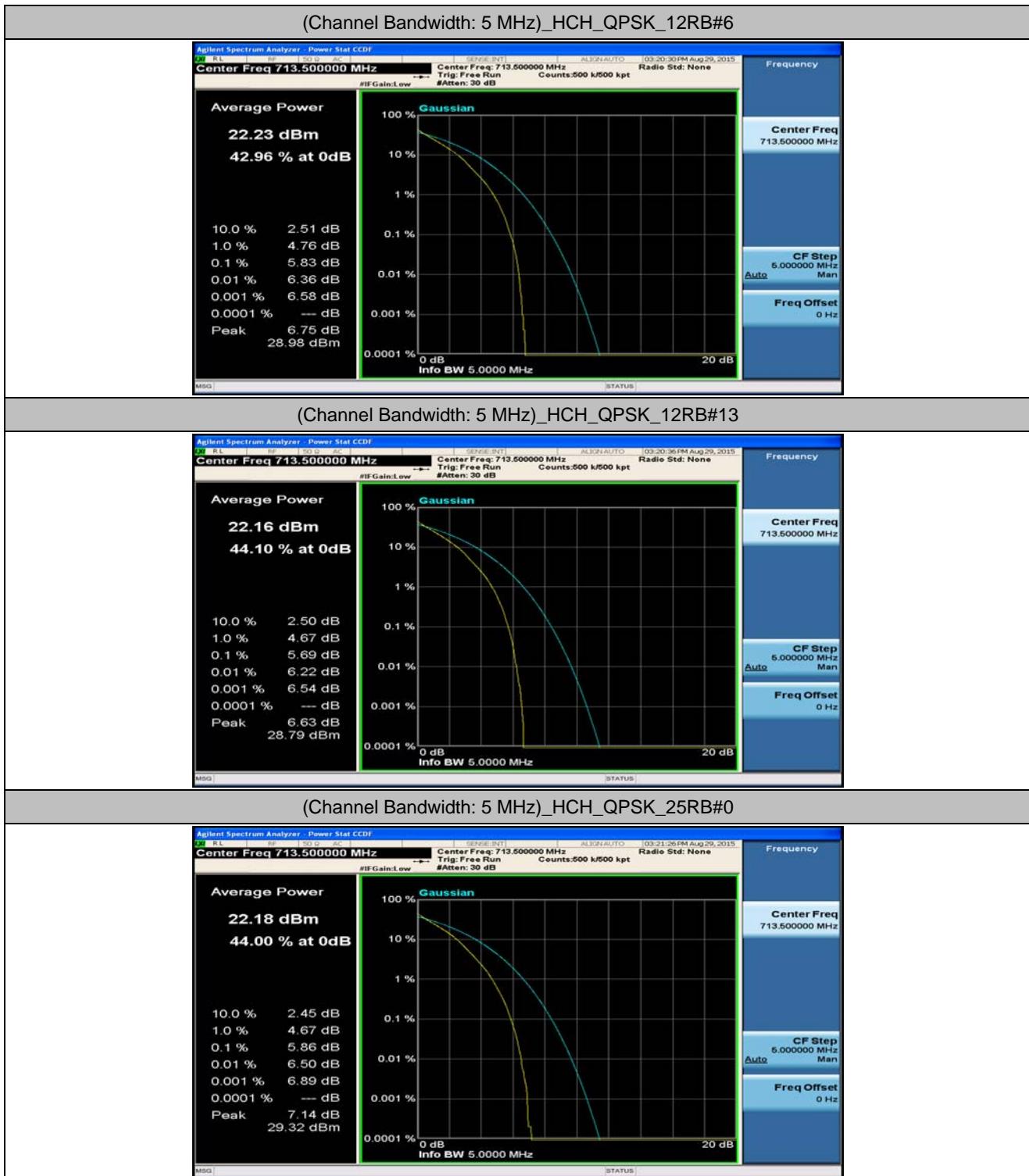


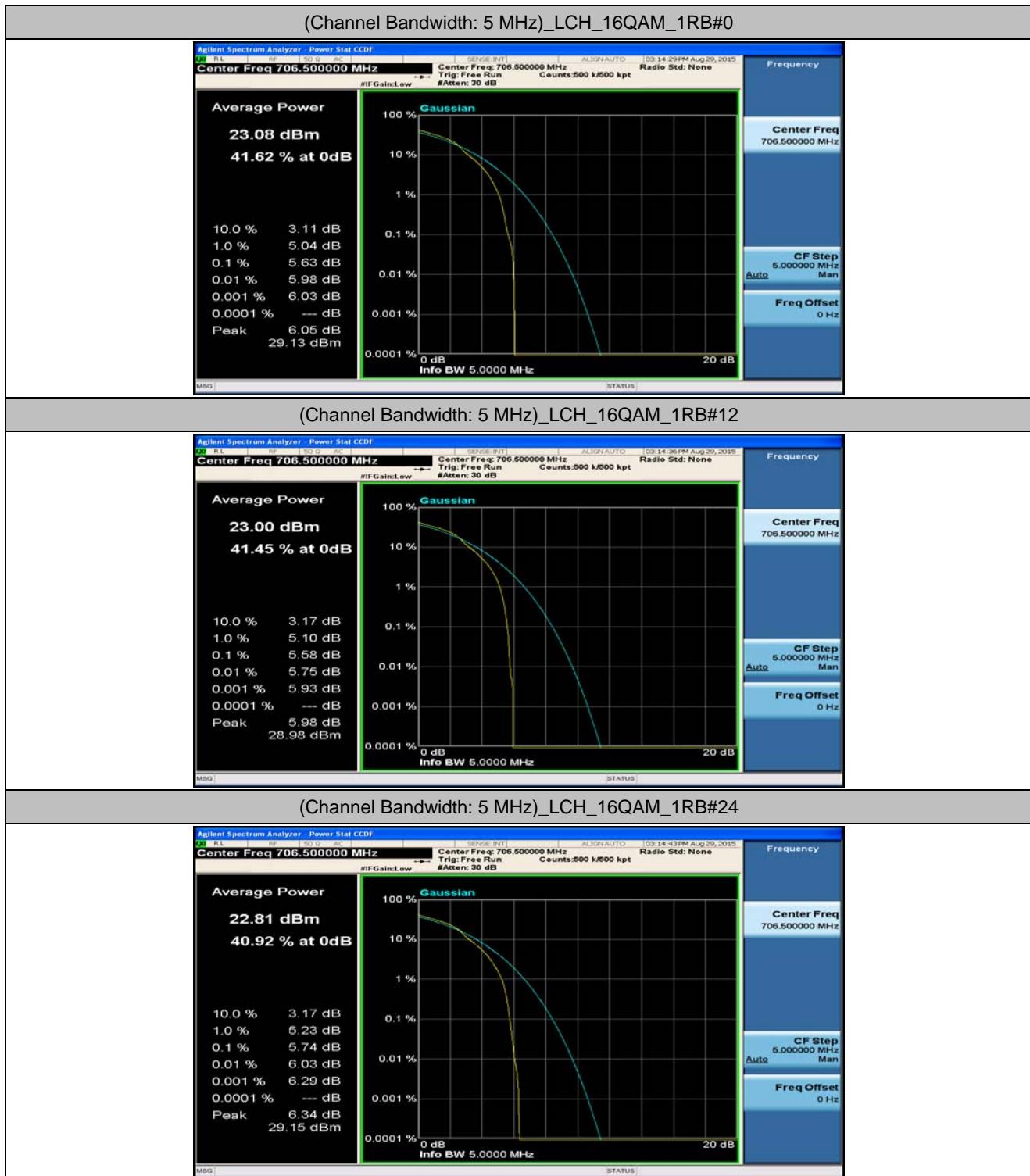
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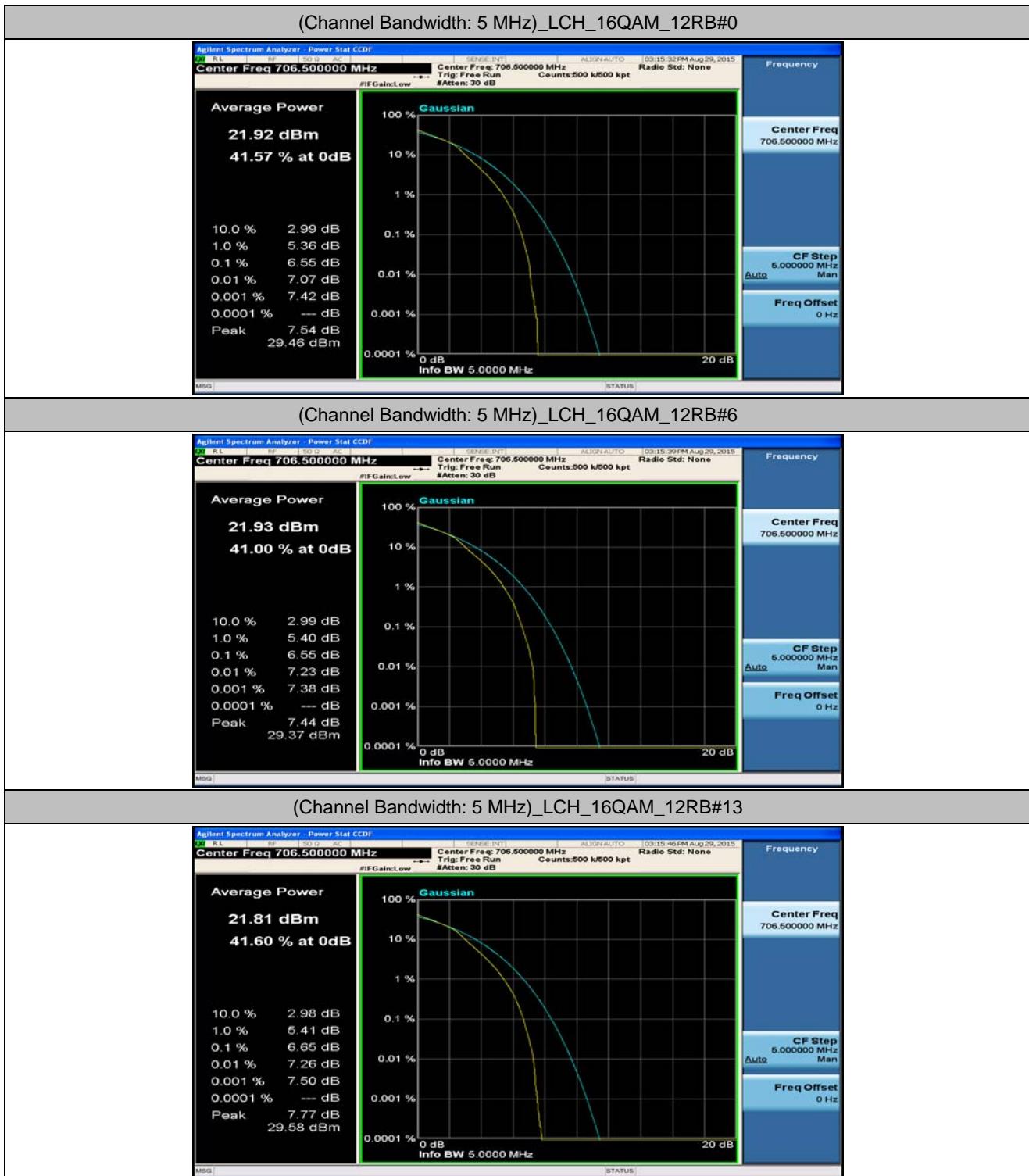


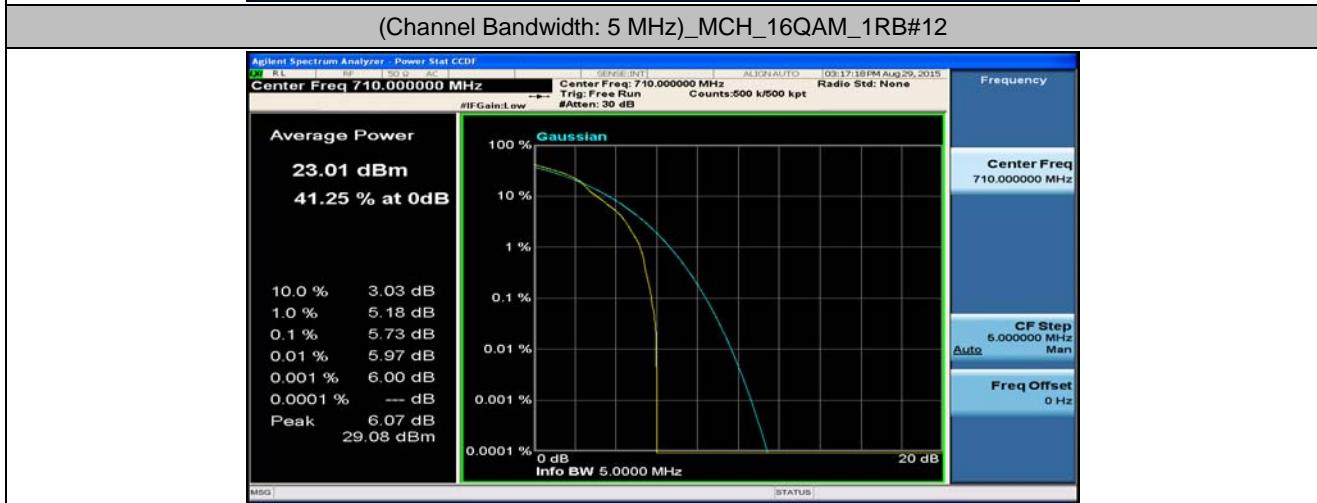
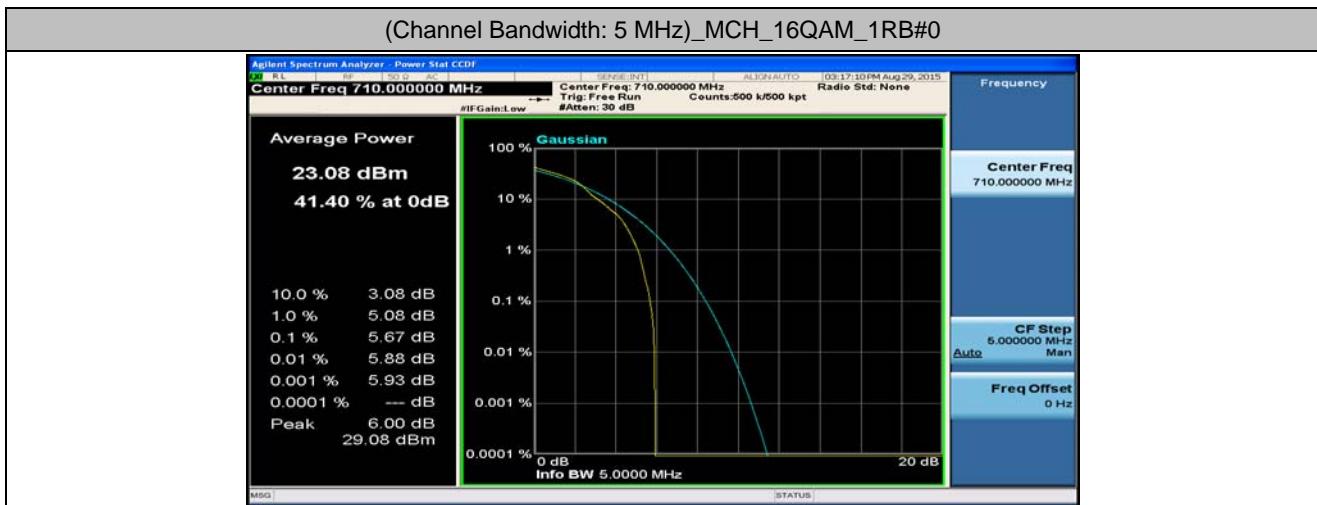
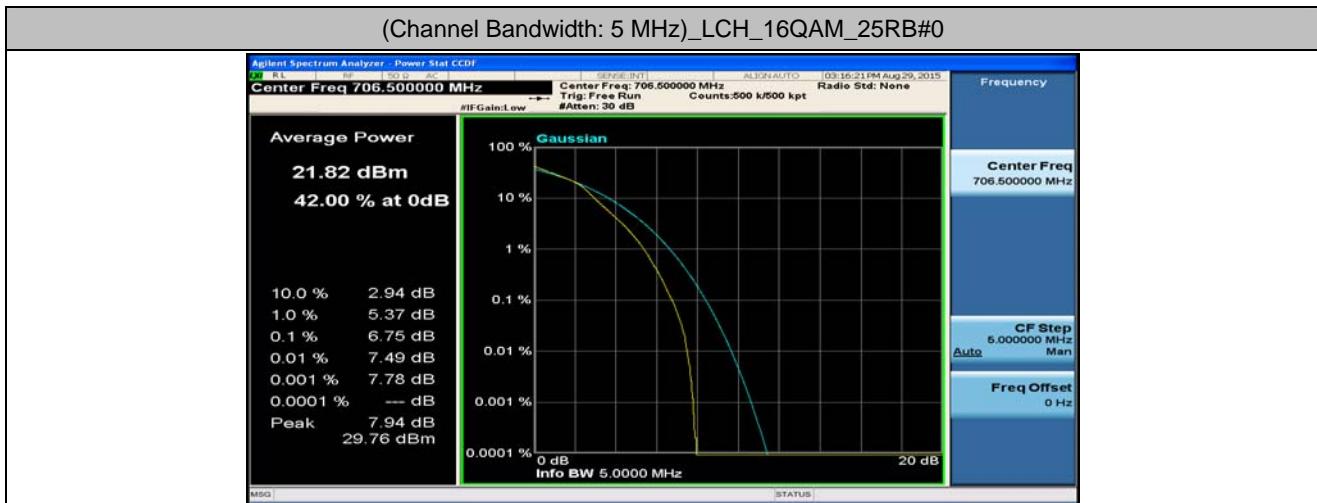
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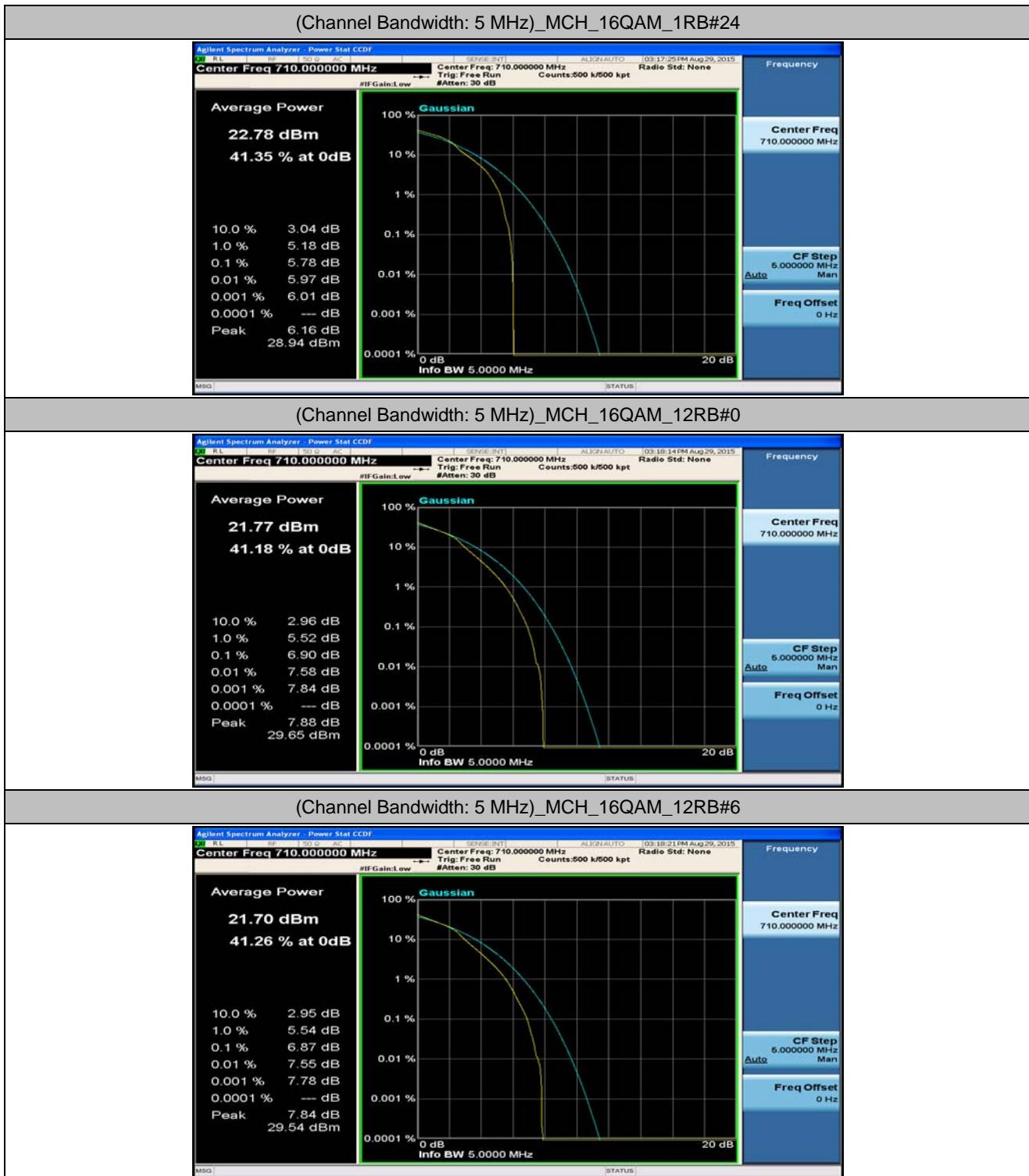


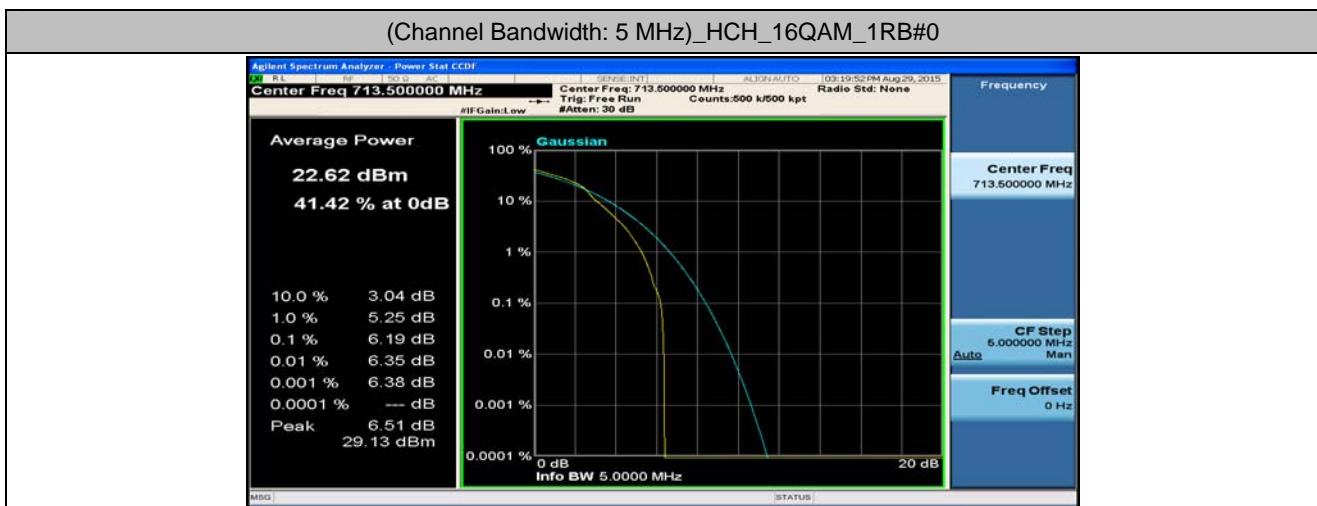
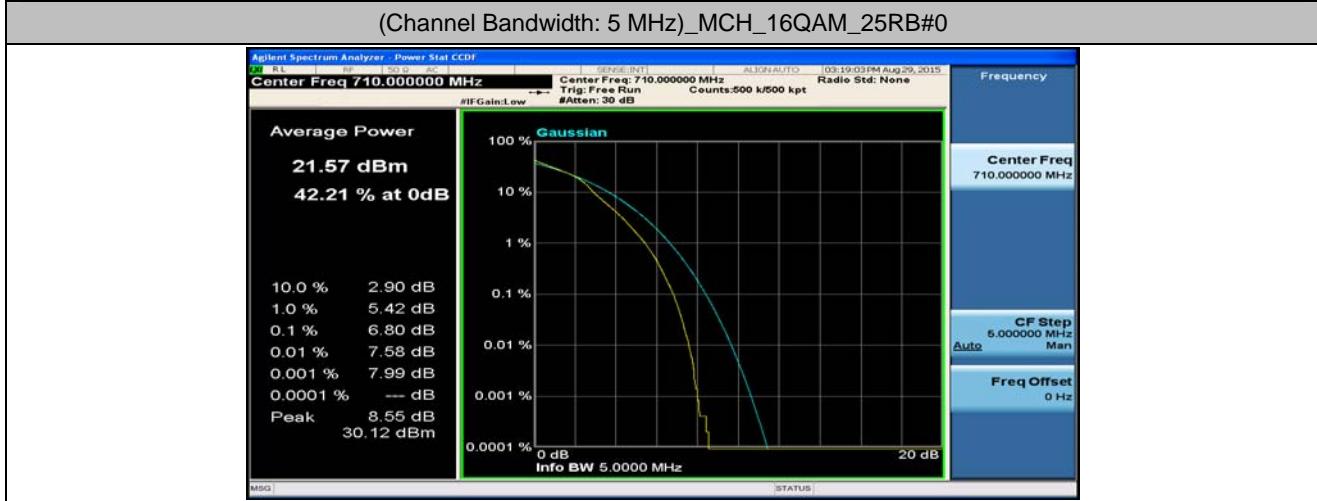
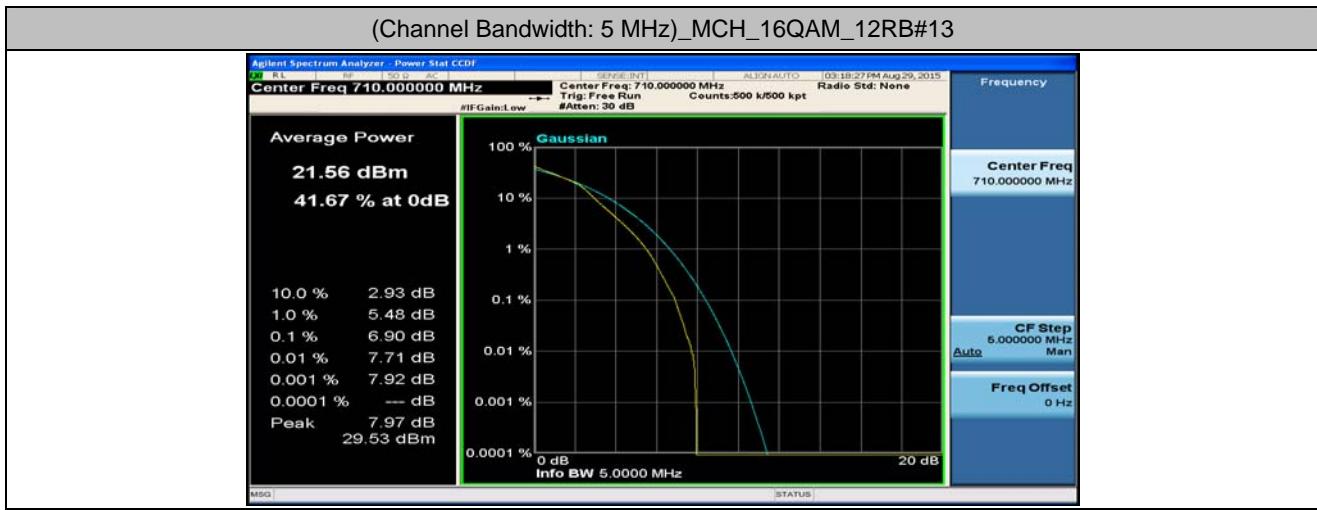


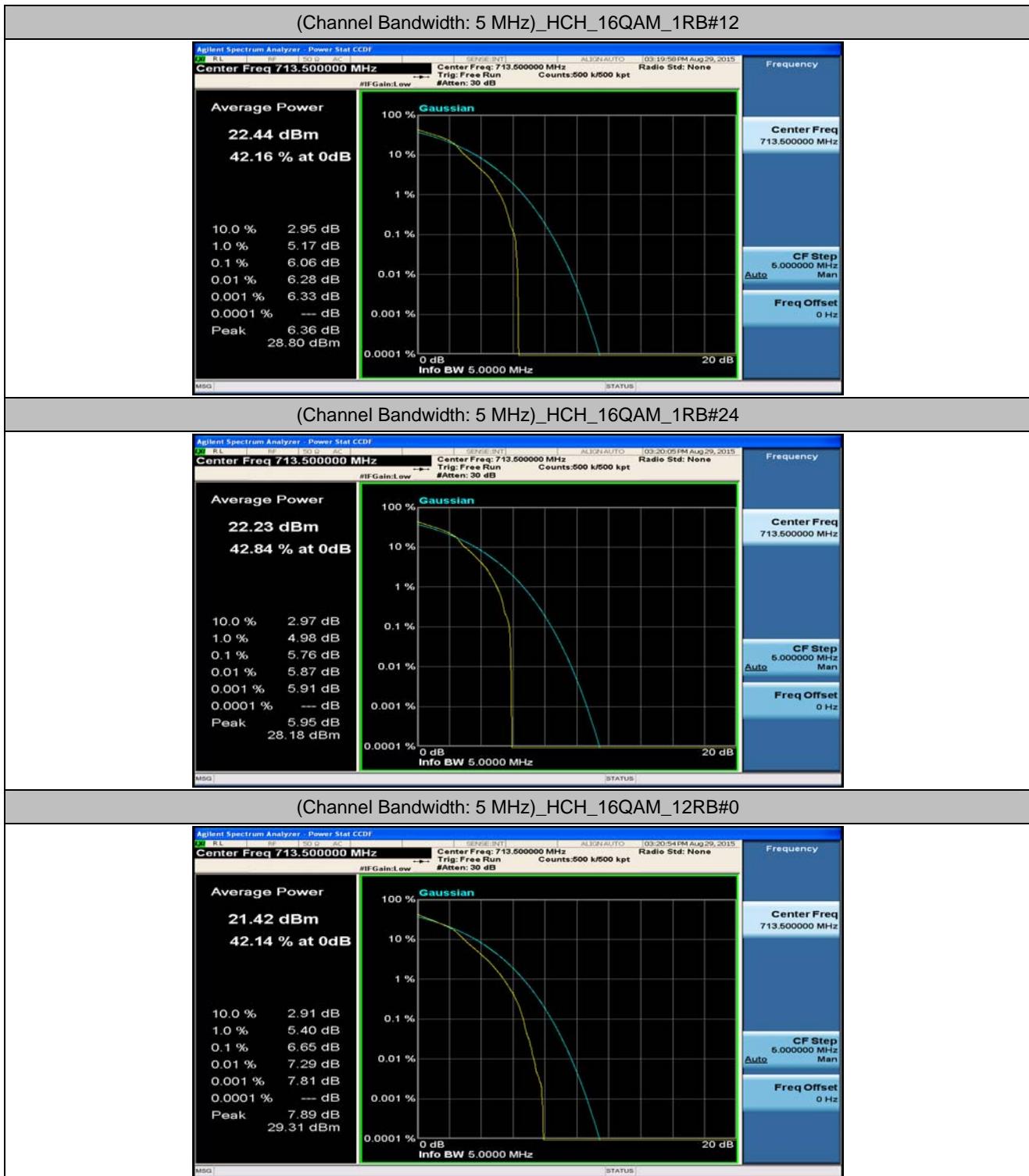


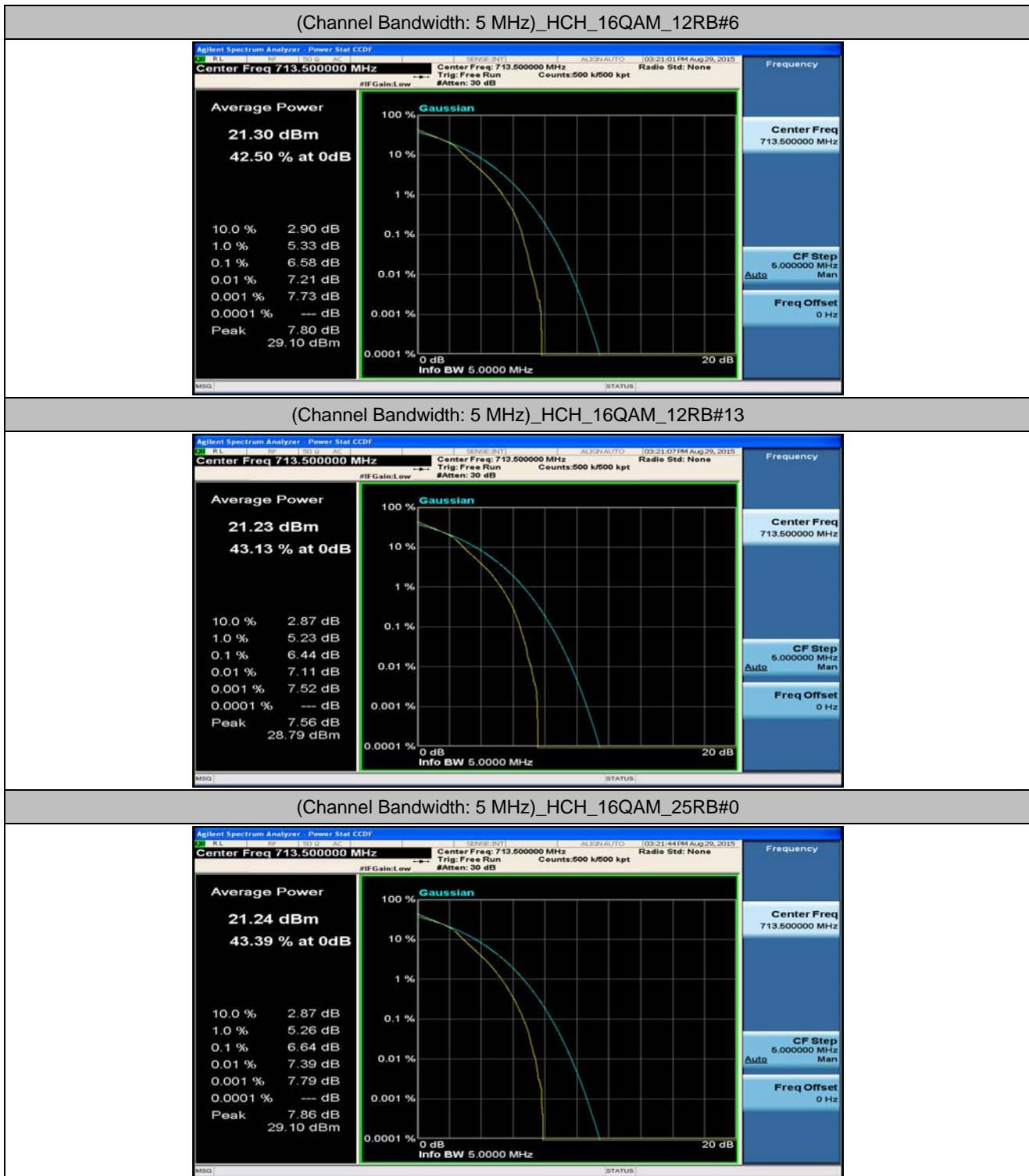




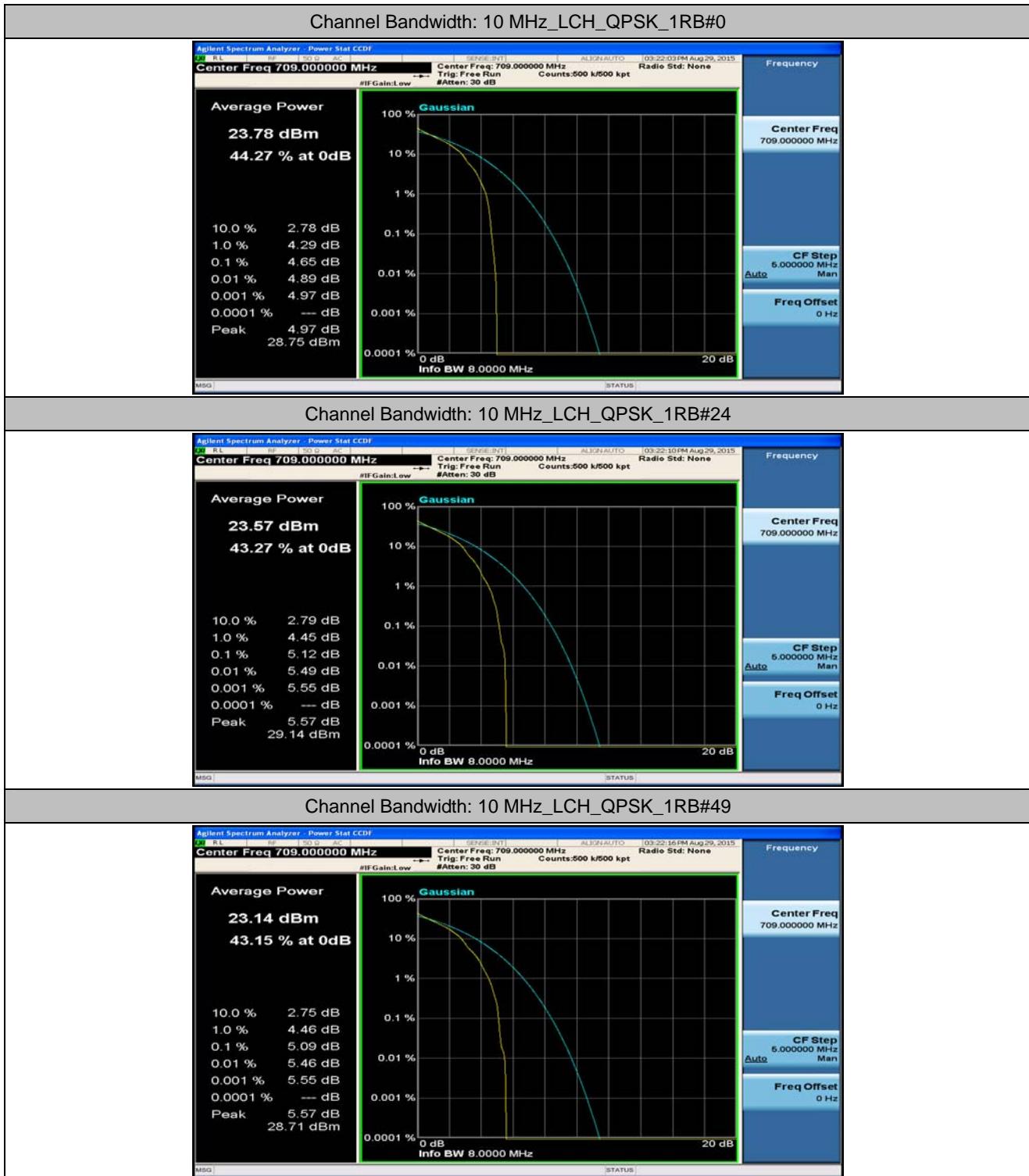


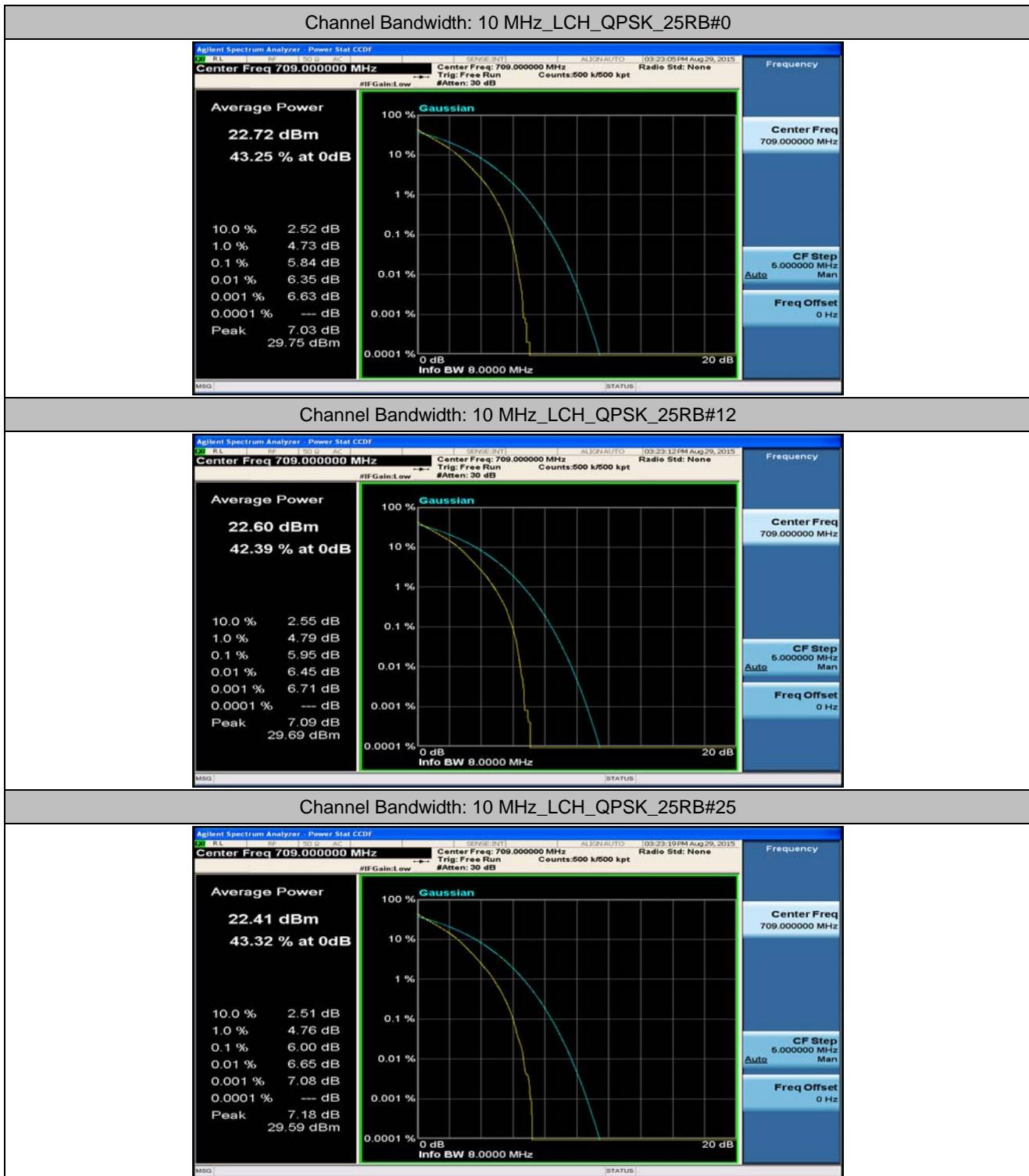


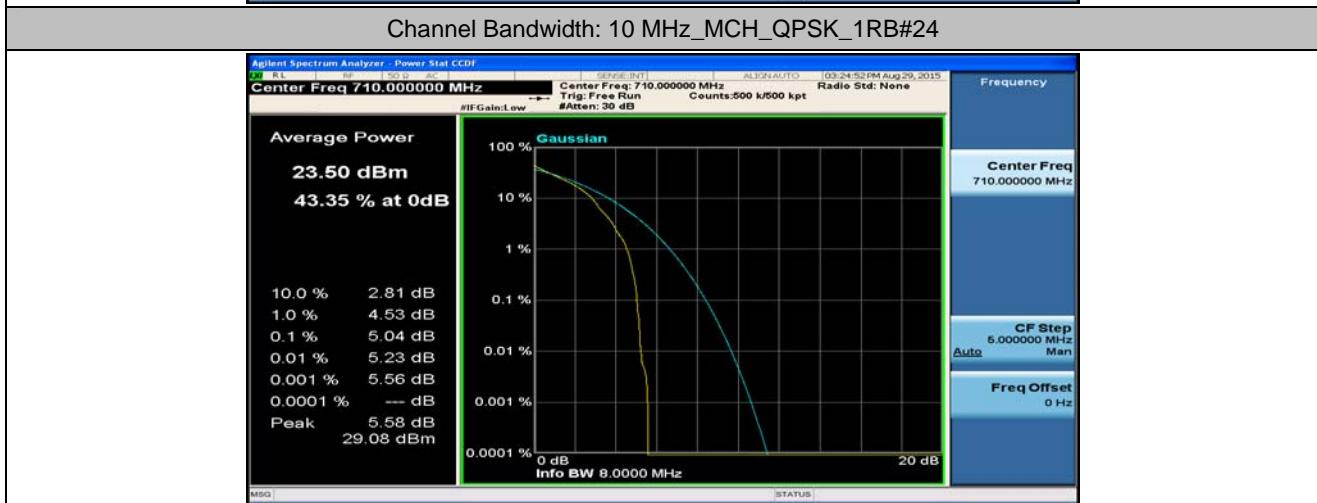
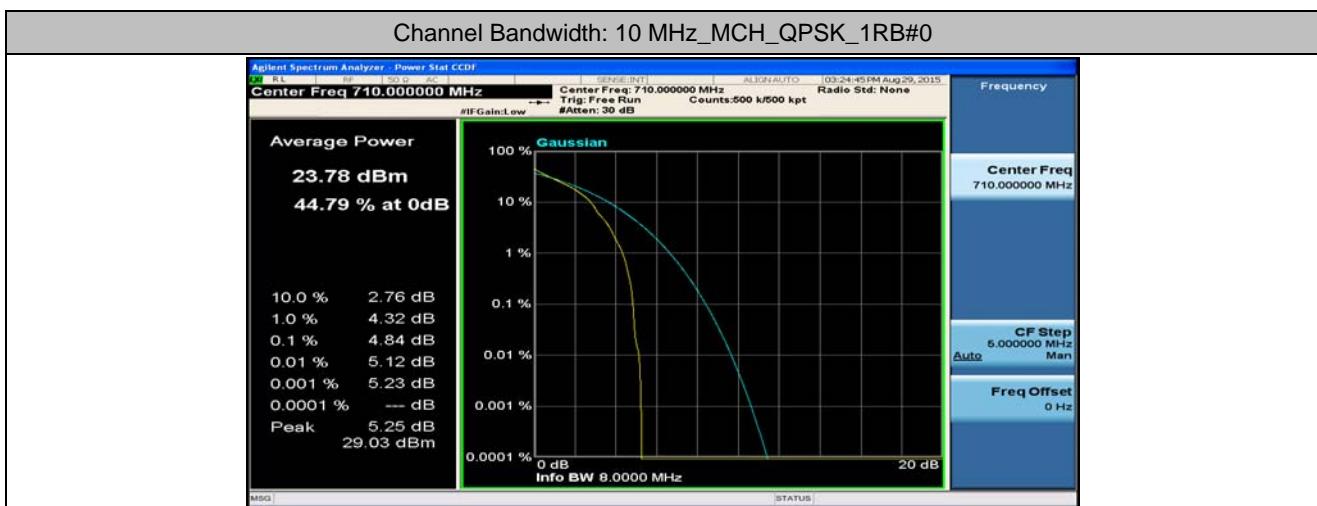
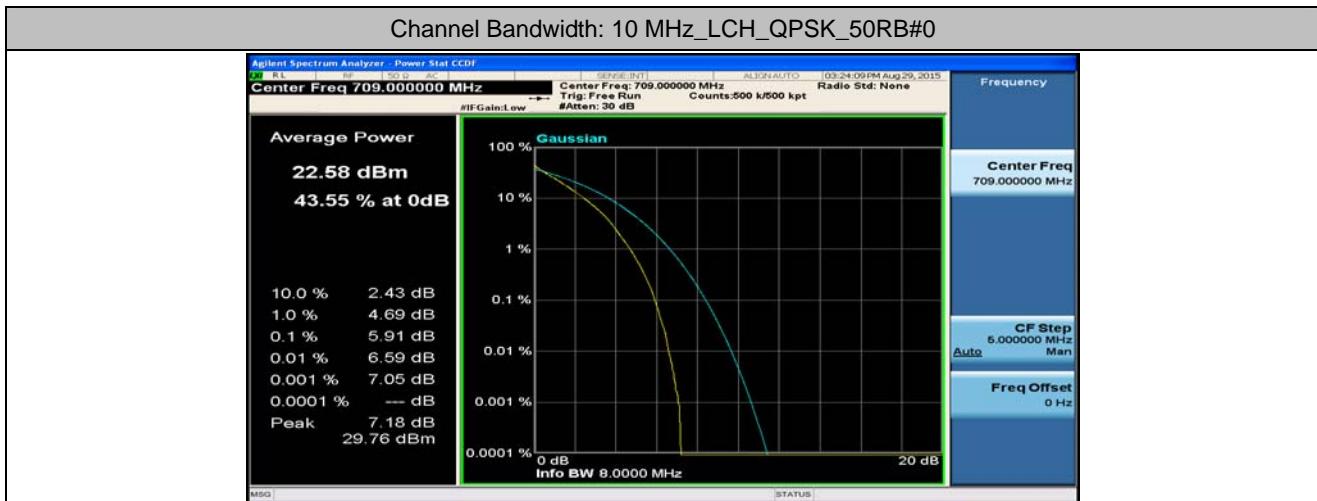


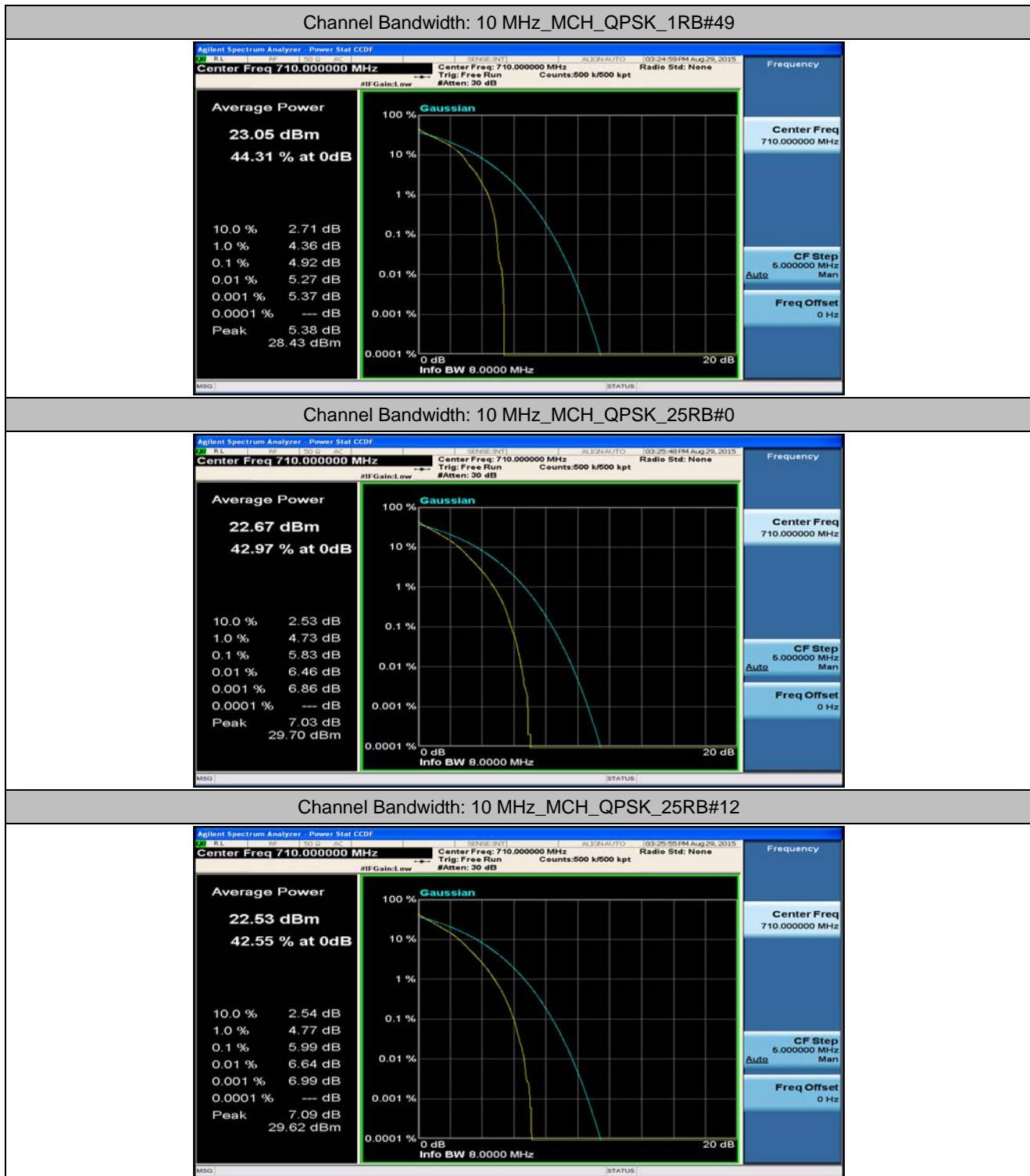


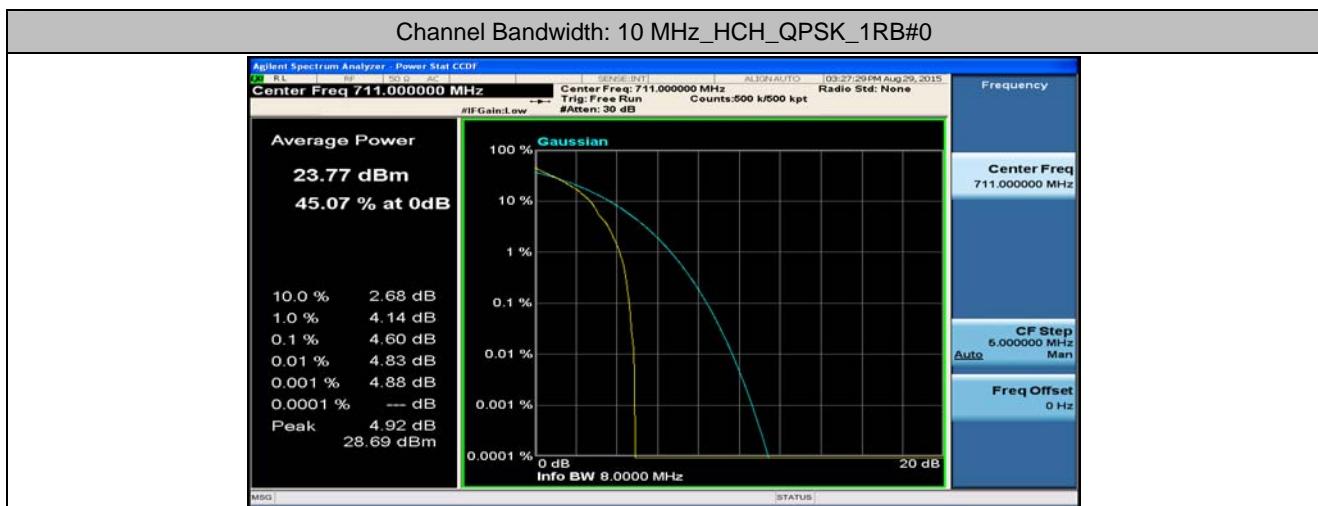
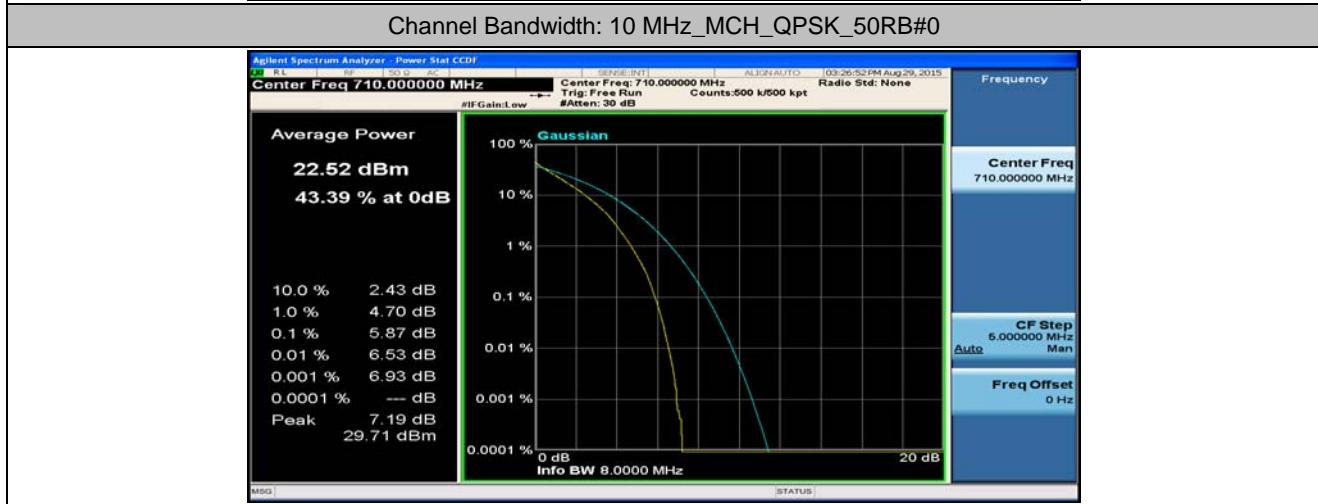
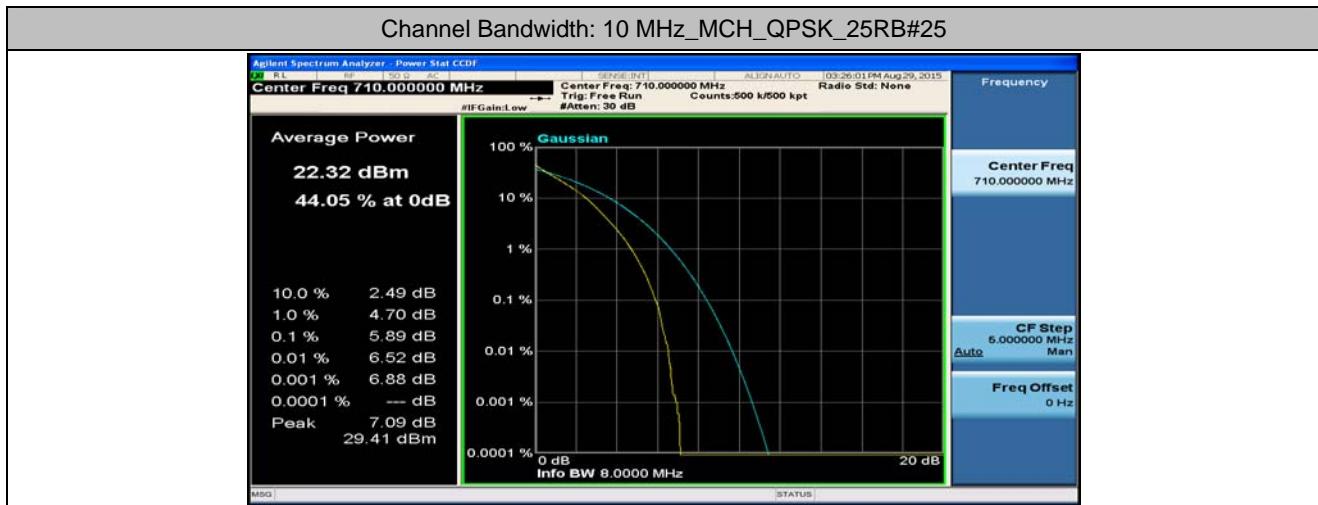
## Channel Bandwidth: 10 MHz

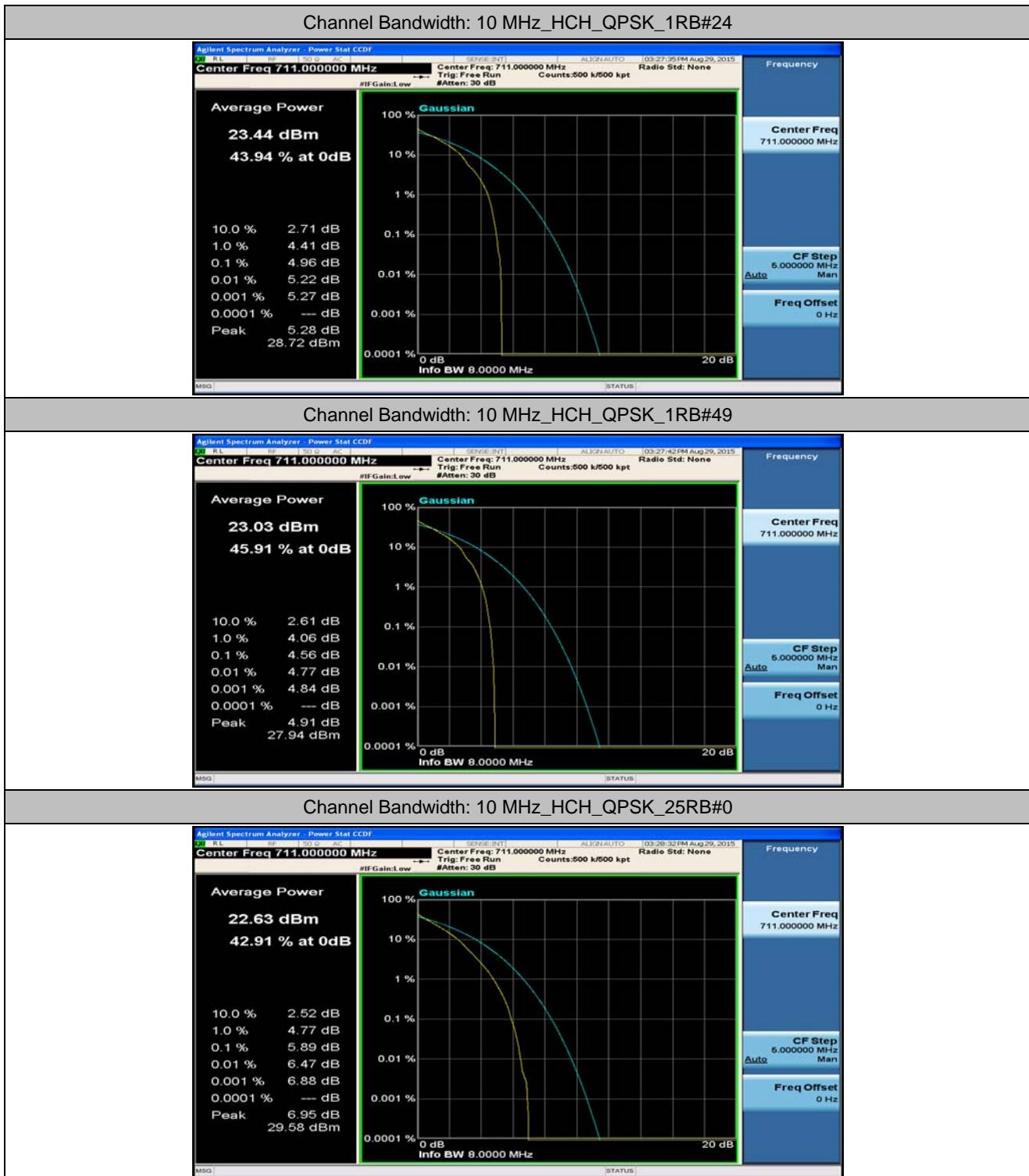


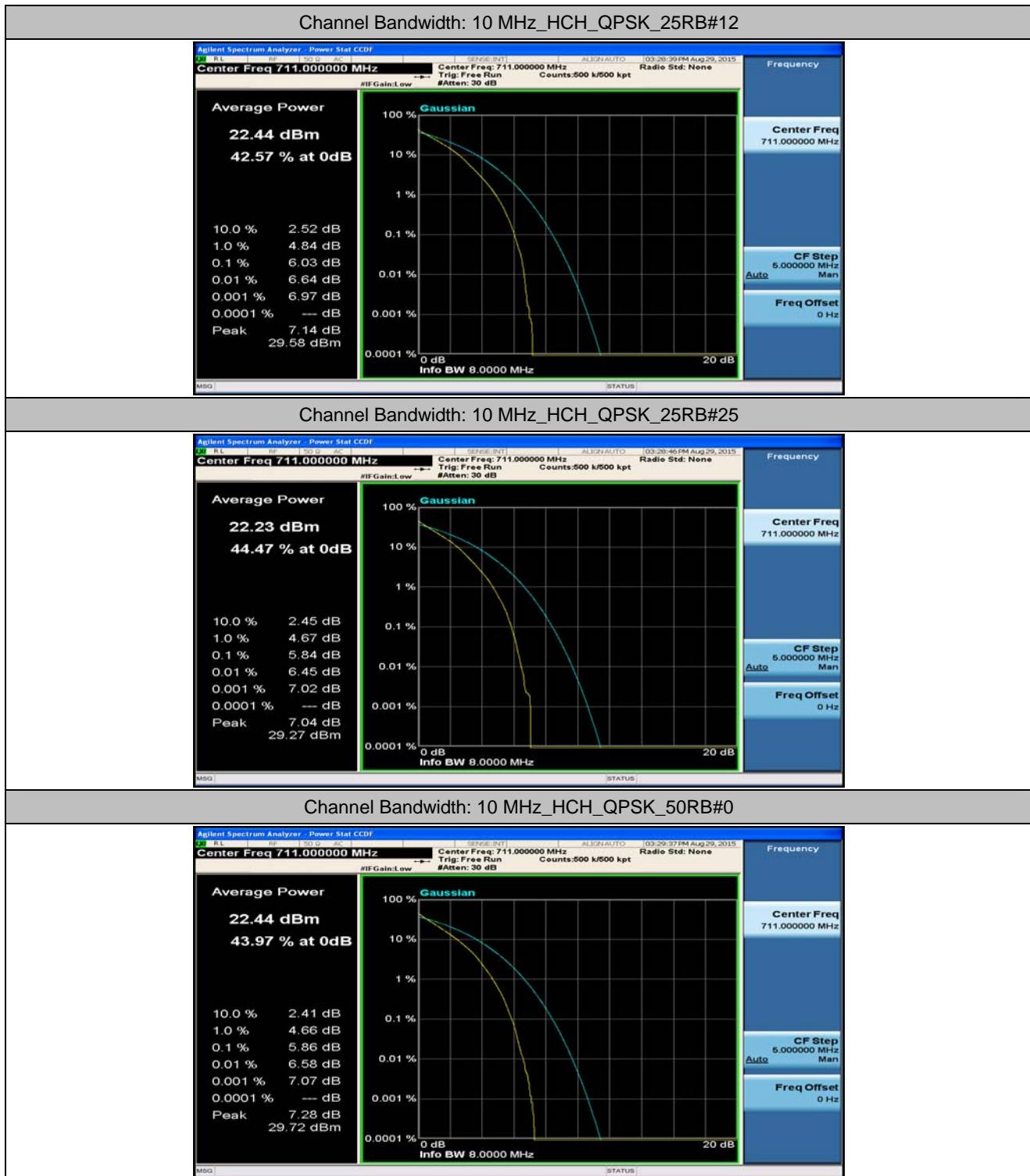


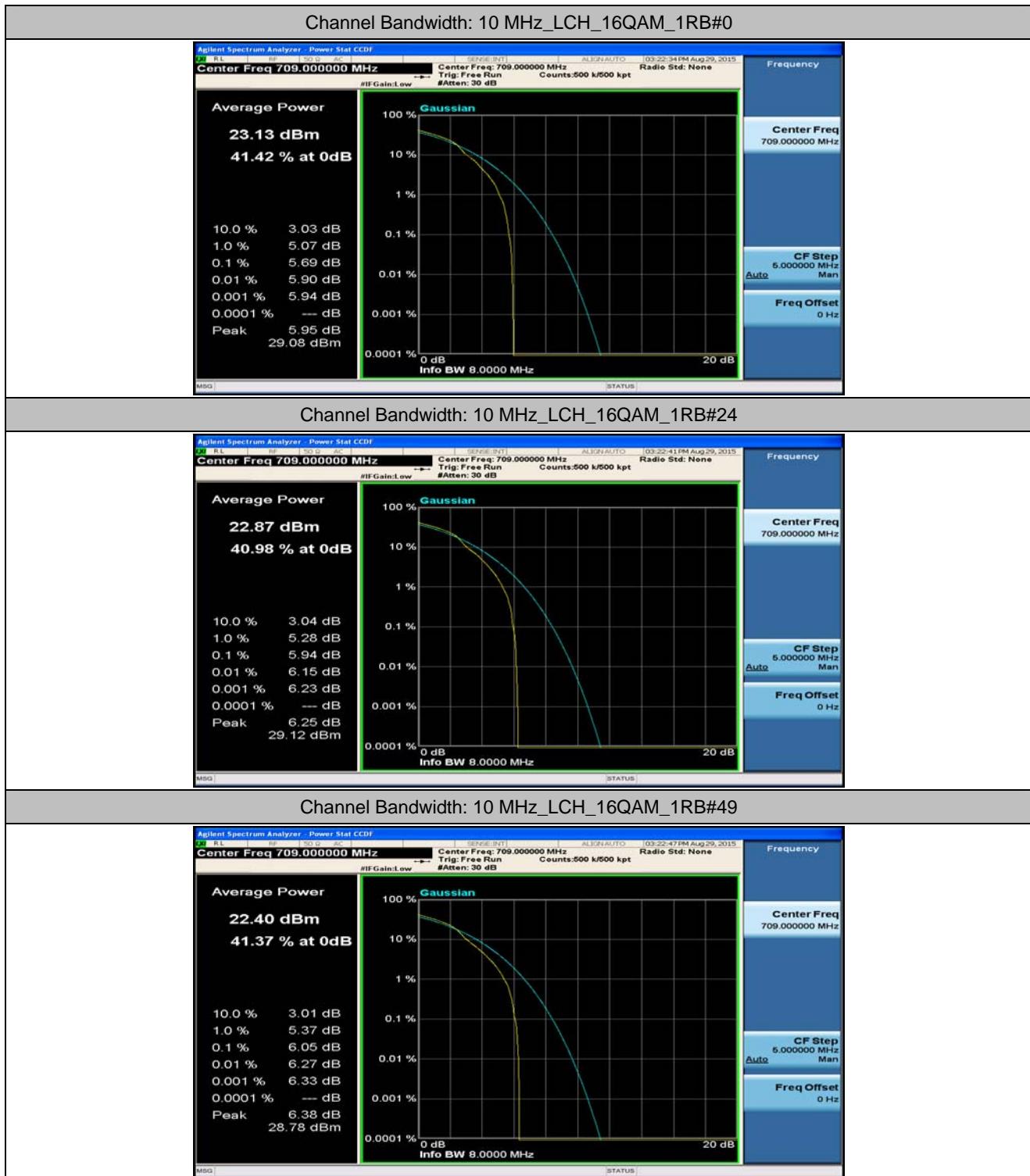


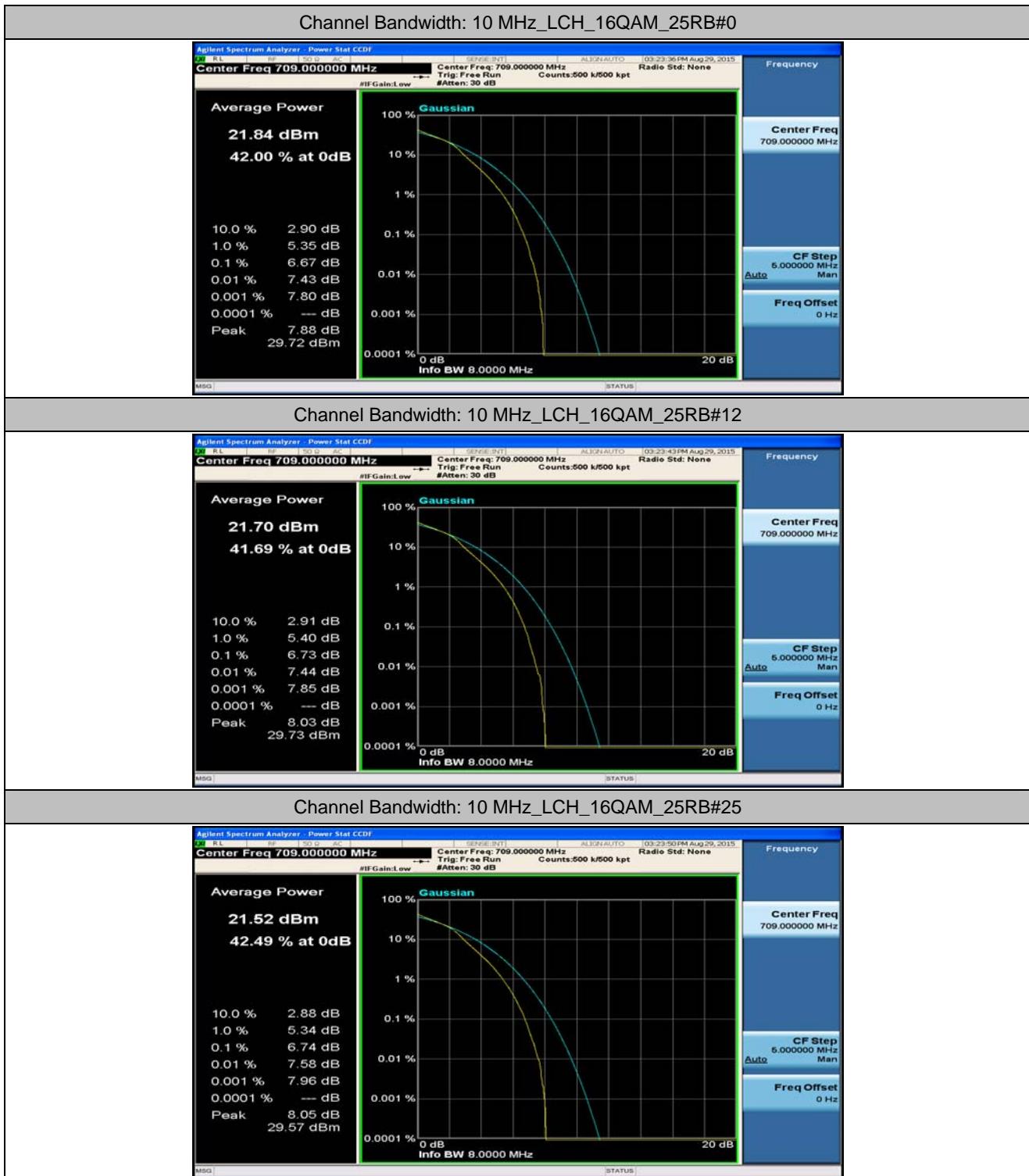


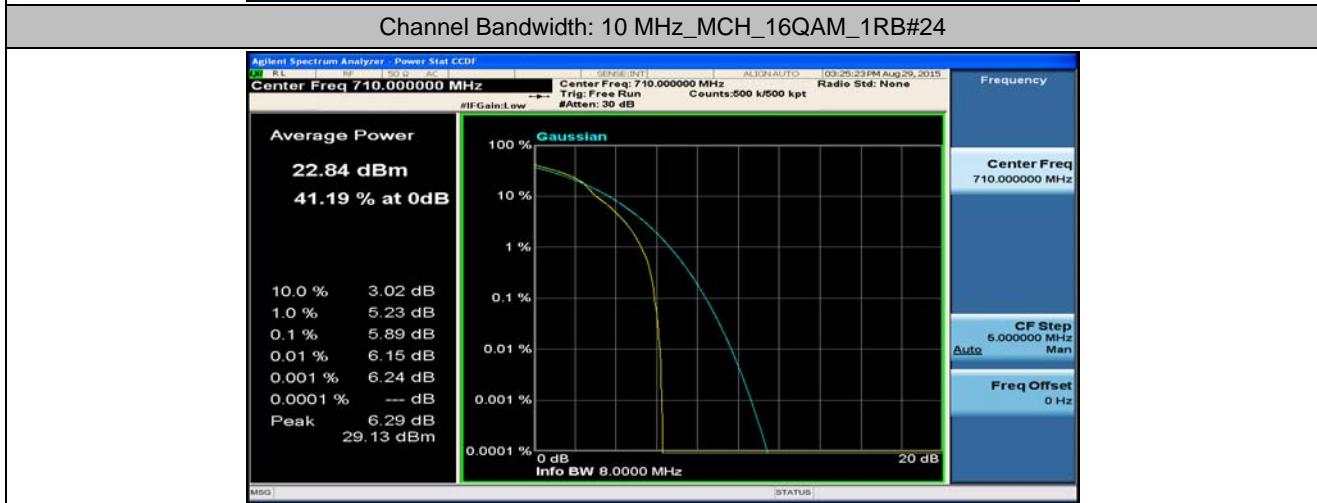
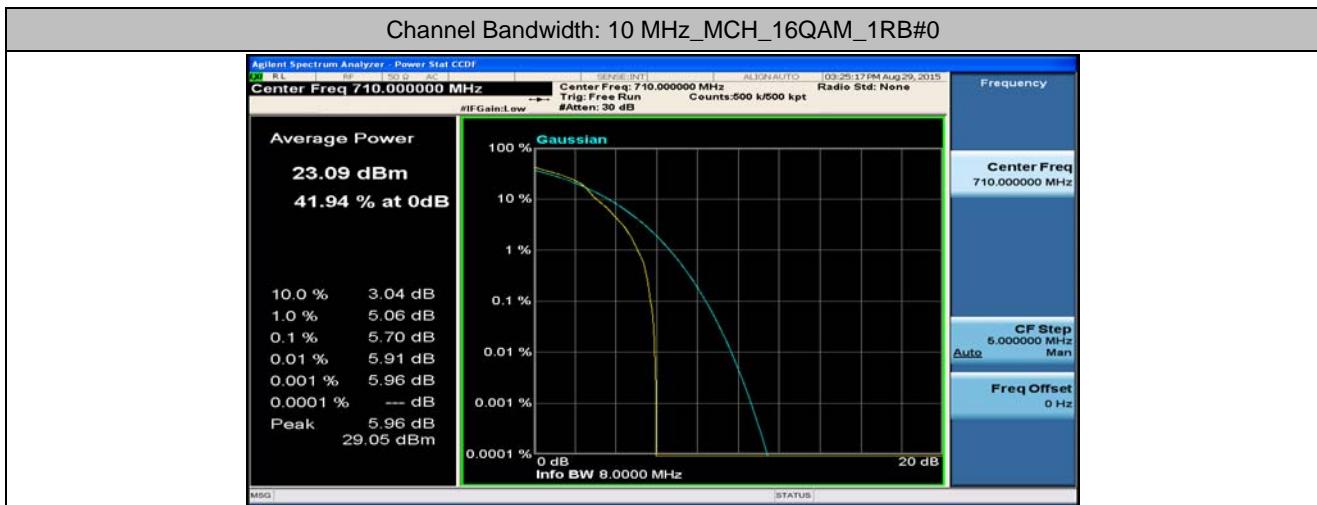
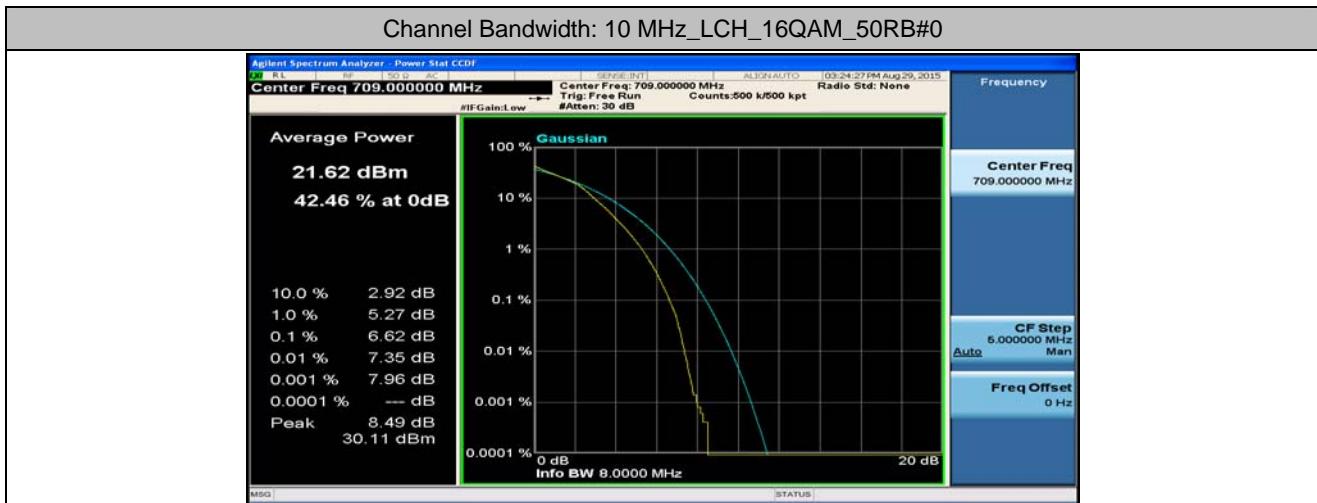


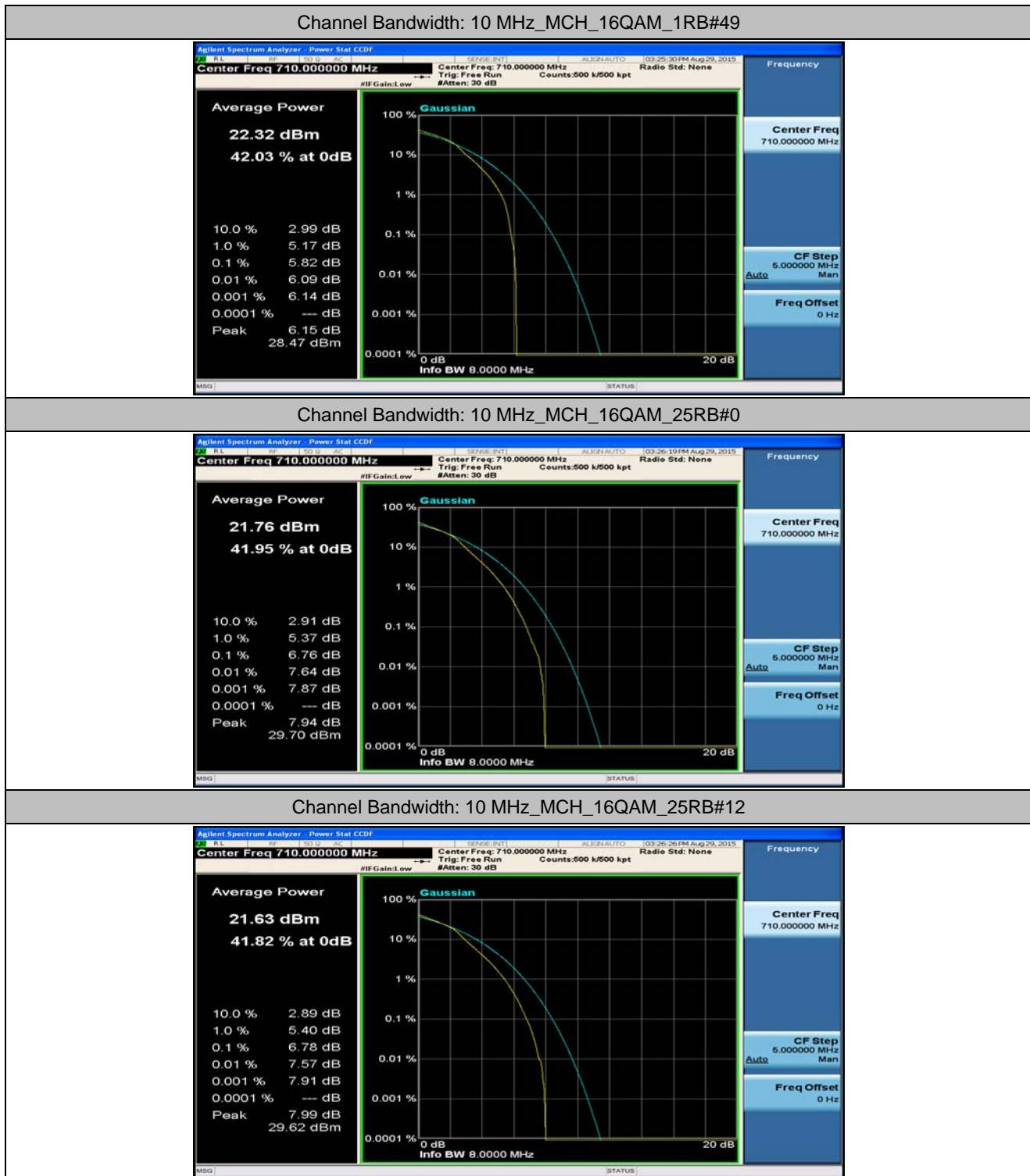


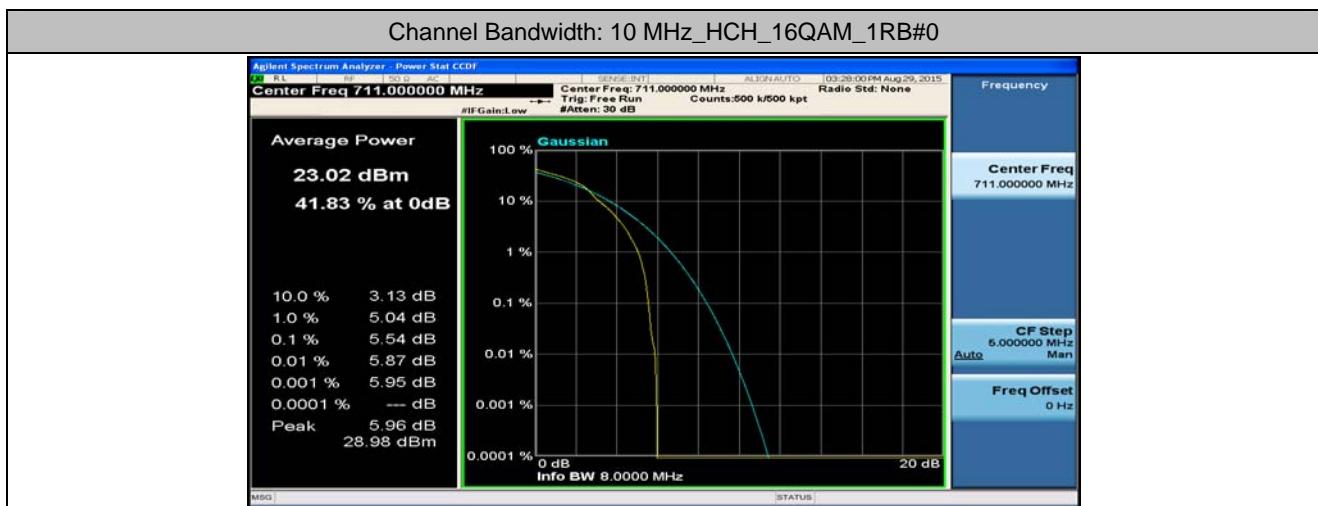
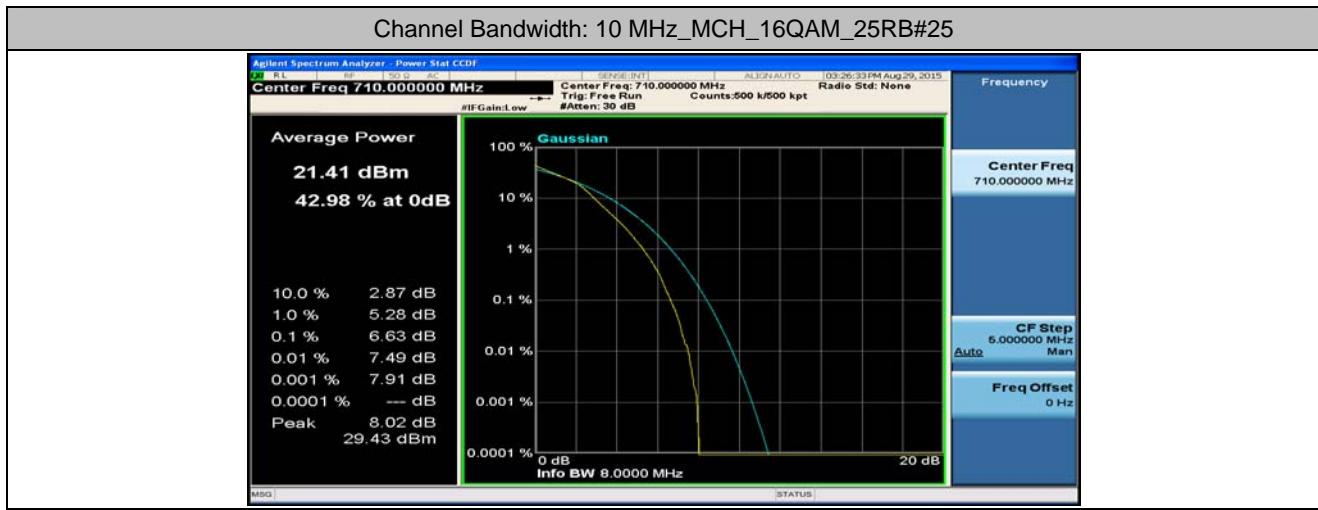


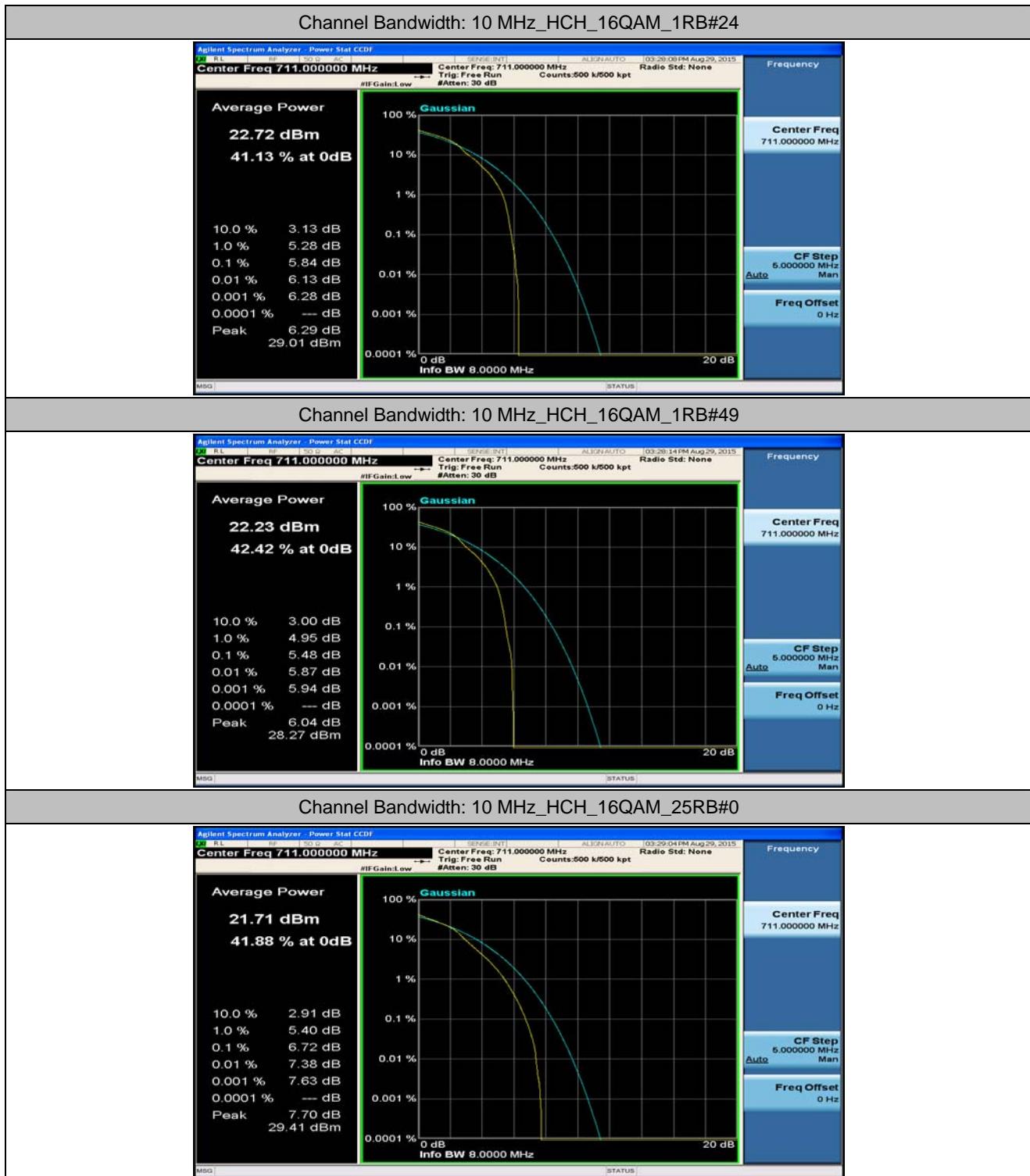


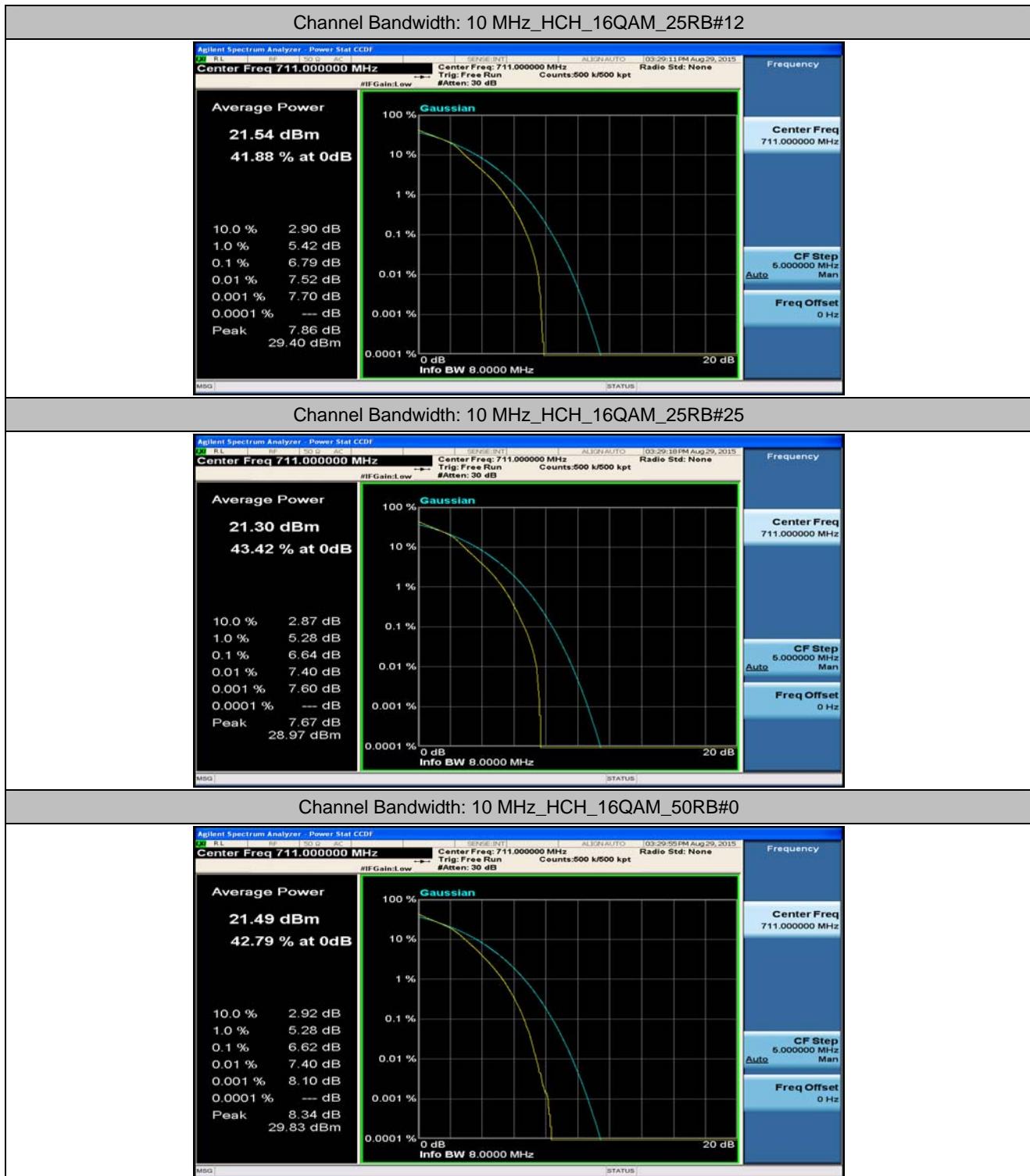












## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

#### Channel Bandwidth: 5 MHz

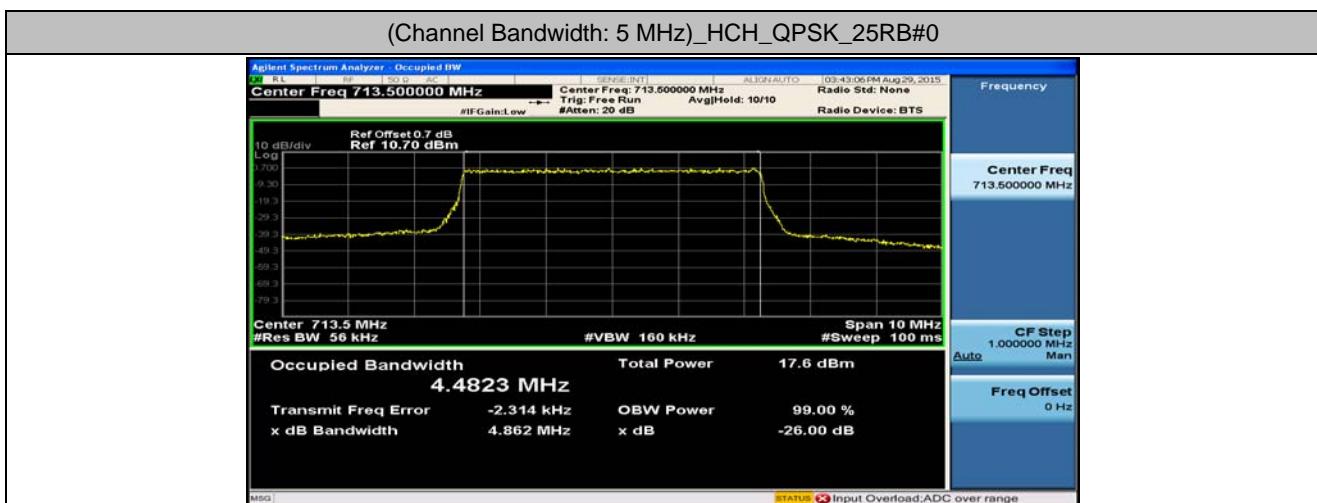
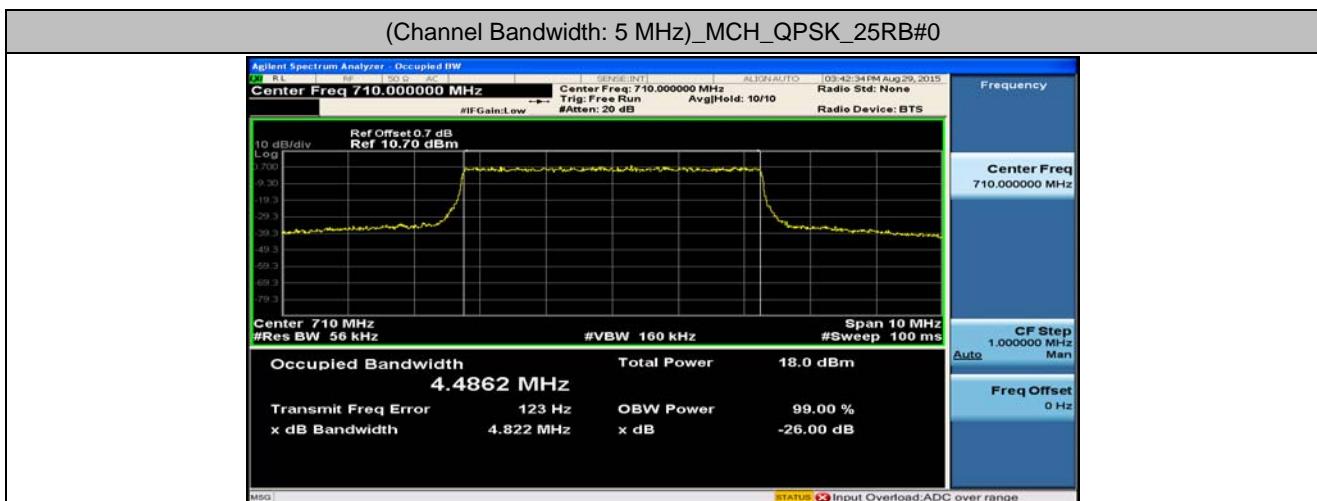
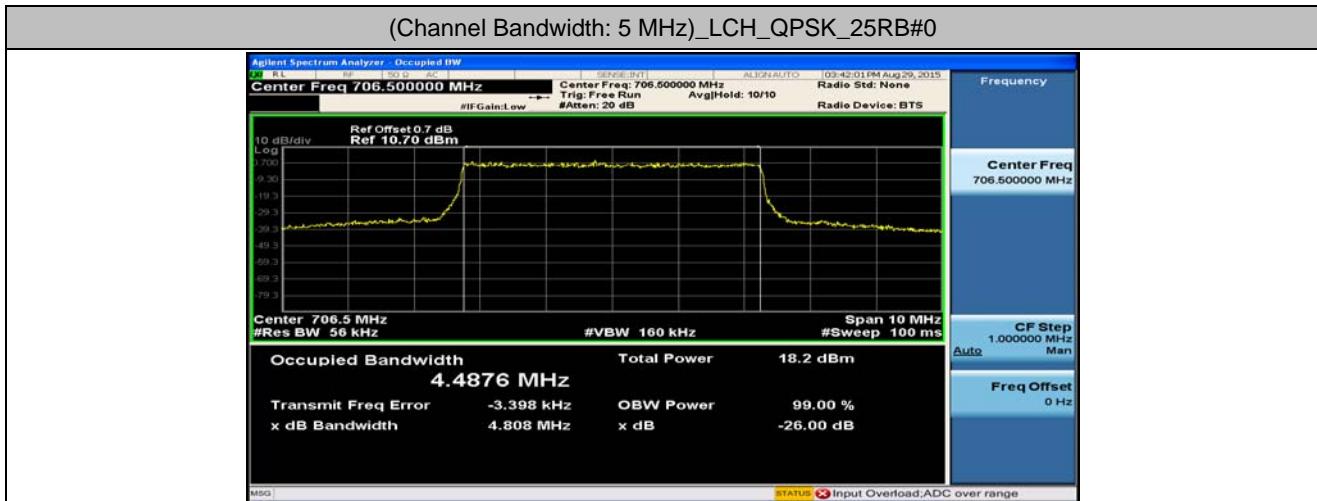
| Channel Bandwidth: 5 MHz |         |                  |        |                         |                             |         |
|--------------------------|---------|------------------|--------|-------------------------|-----------------------------|---------|
| Modulation               | Channel | RB Configuration |        | 26dB Bandwidth<br>(MHz) | Occupied Bandwidth<br>(MHz) | Verdict |
|                          |         | Size             | Offset |                         |                             |         |
| QPSK                     | LCH     | 25               | 0      | 4.4876                  | 4.808                       | PASS    |
|                          | MCH     | 25               | 0      | 4.4862                  | 4.822                       | PASS    |
|                          | HCH     | 25               | 0      | 4.4823                  | 4.862                       | PASS    |
| 16QAM                    | LCH     | 25               | 0      | 4.4884                  | 4.844                       | PASS    |
|                          | MCH     | 25               | 0      | 4.4814                  | 4.866                       | PASS    |
|                          | HCH     | 25               | 0      | 4.4881                  | 4.814                       | PASS    |

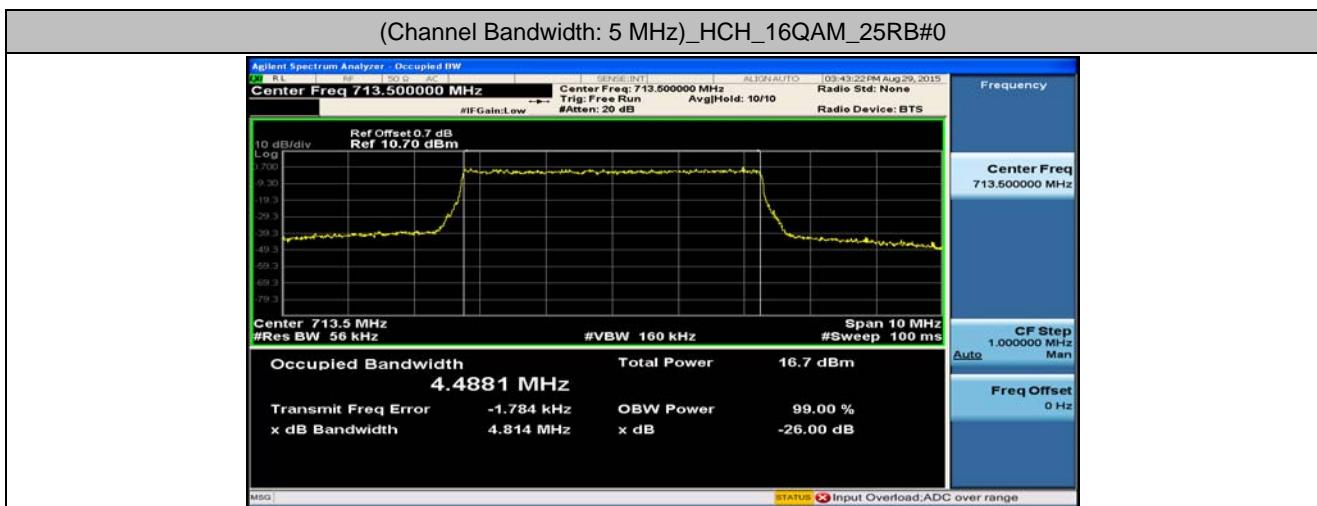
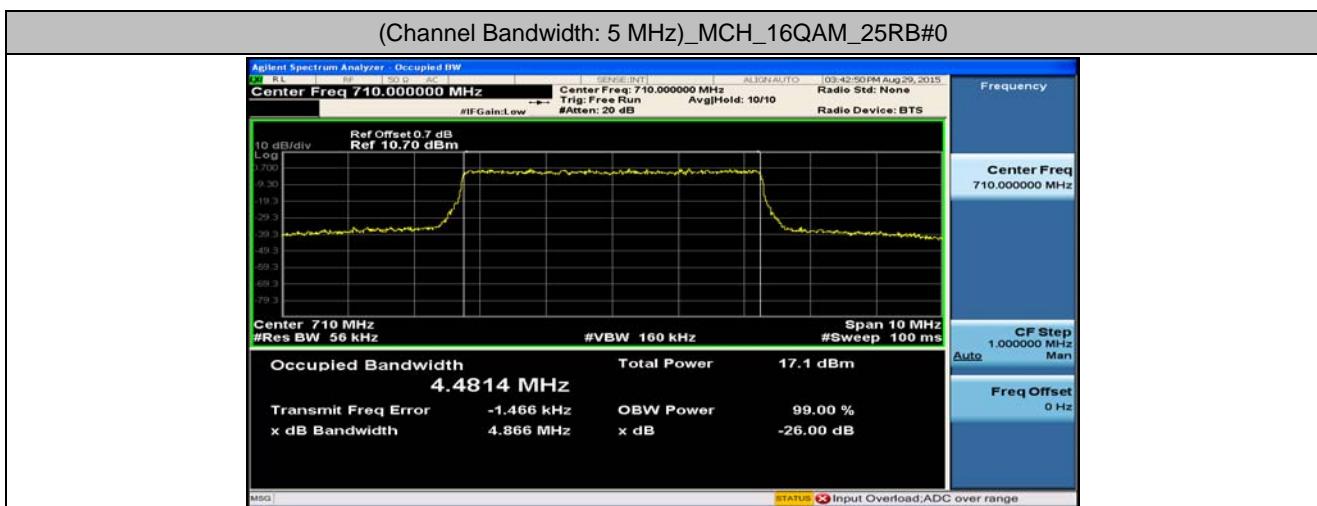
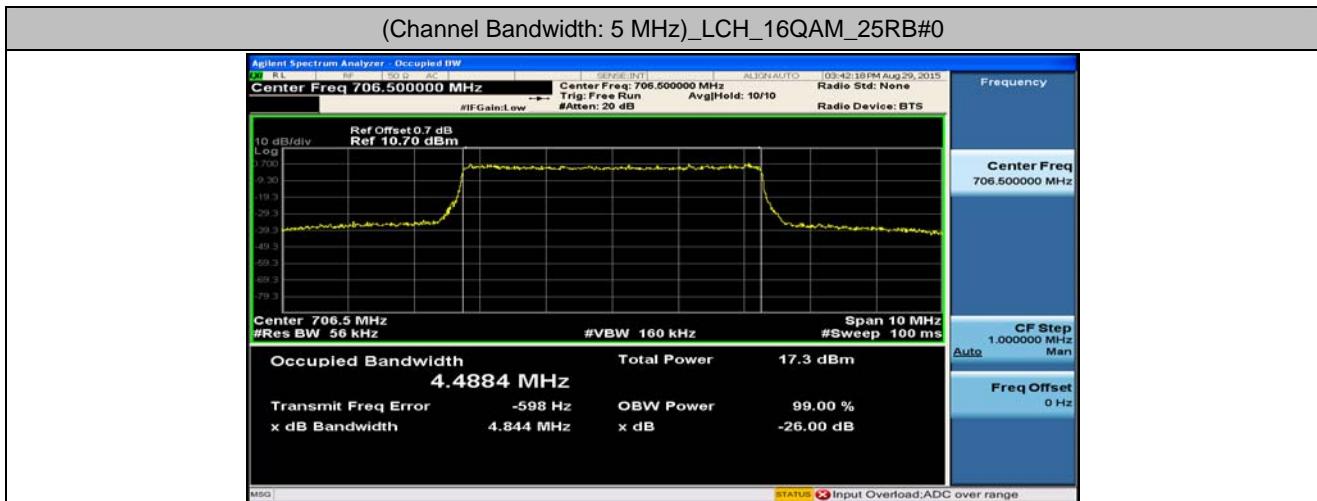
#### Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz |         |                  |        |                         |                             |         |
|---------------------------|---------|------------------|--------|-------------------------|-----------------------------|---------|
| Modulation                | Channel | RB Configuration |        | 26dB Bandwidth<br>(MHz) | Occupied Bandwidth<br>(MHz) | Verdict |
|                           |         | Size             | Offset |                         |                             |         |
| QPSK                      | LCH     | 50               | 0      | 8.9611                  | 9.552                       | PASS    |
|                           | MCH     | 50               | 0      | 8.9549                  | 9.524                       | PASS    |
|                           | HCH     | 50               | 0      | 8.9440                  | 9.488                       | PASS    |
| 16QAM                     | LCH     | 50               | 0      | 8.9547                  | 9.520                       | PASS    |
|                           | MCH     | 50               | 0      | 8.9606                  | 9.507                       | PASS    |
|                           | HCH     | 50               | 0      | 8.9585                  | 9.492                       | PASS    |

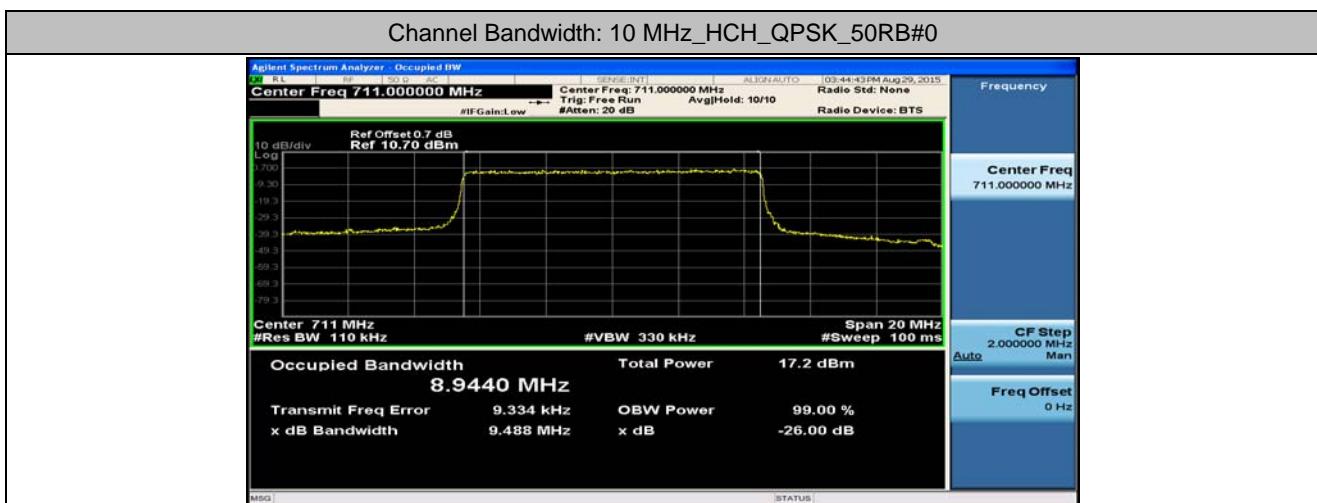
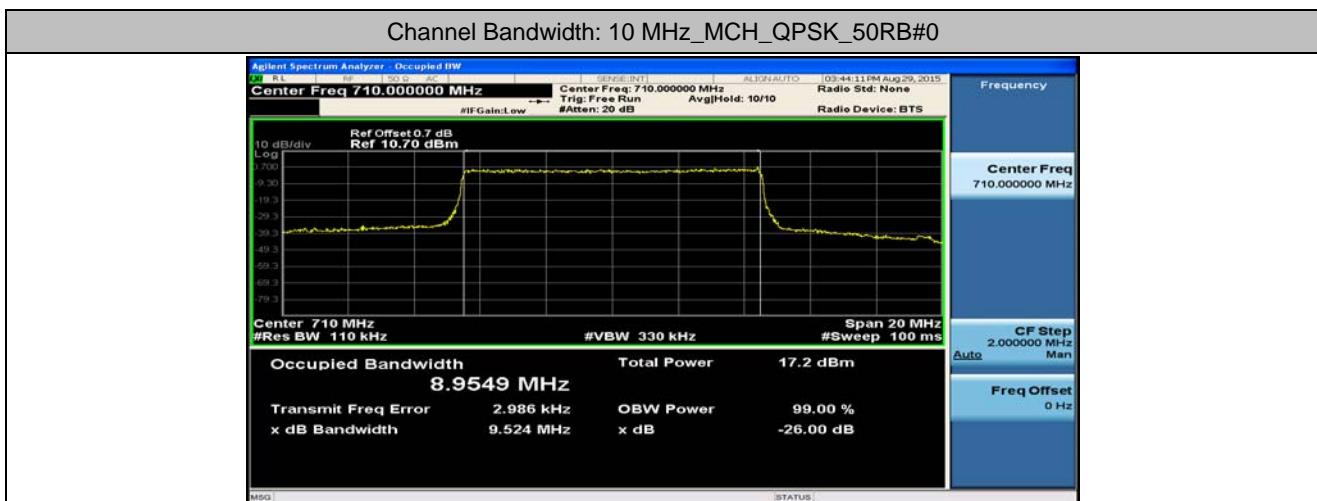
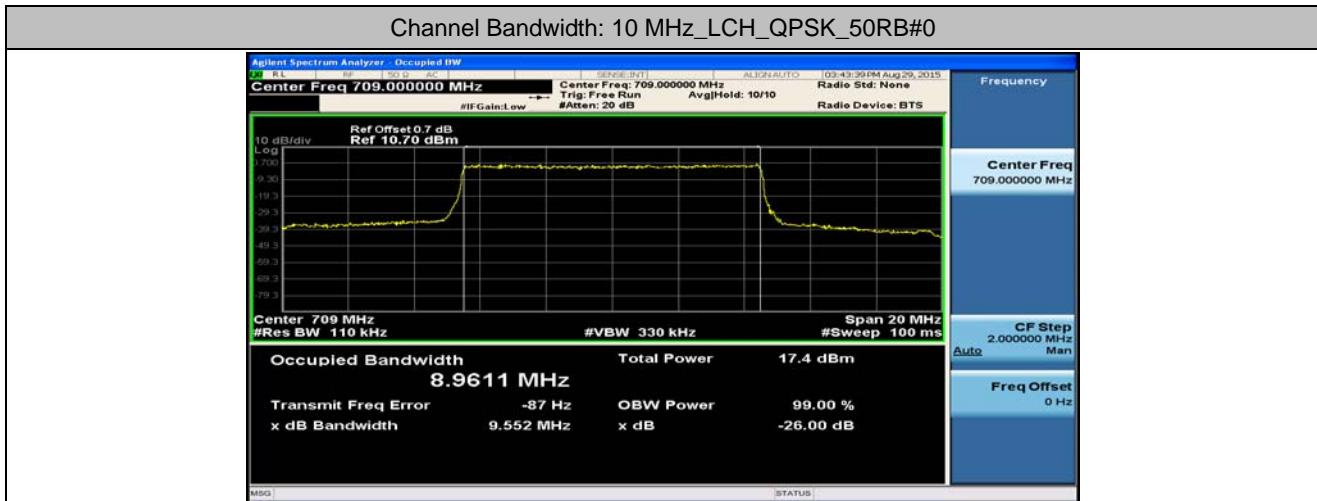
### Test Graphs

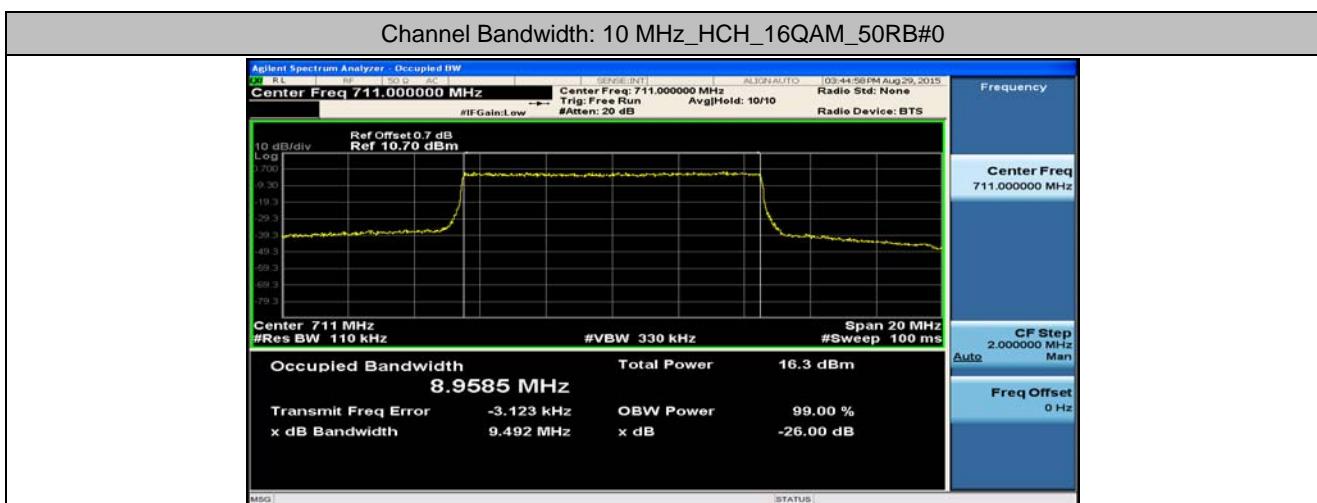
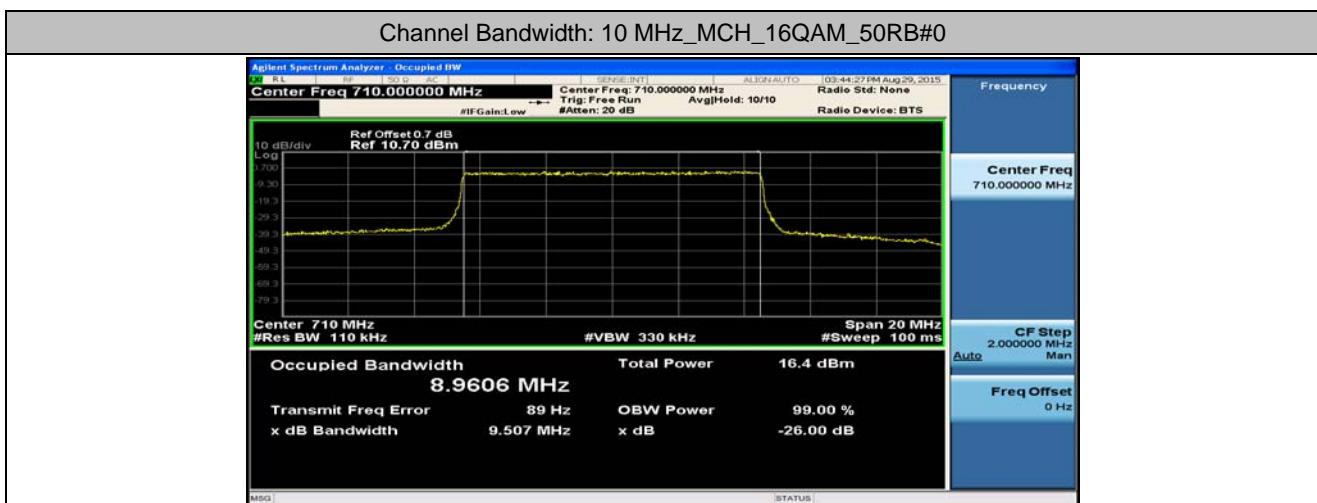
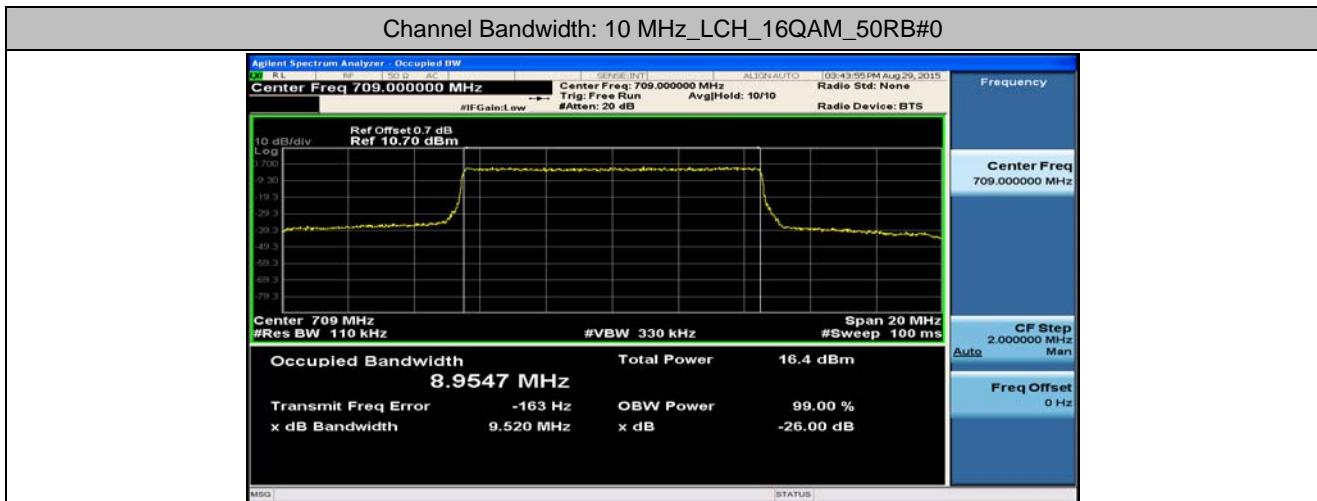
## Channel Bandwidth: 5 MHz





## Channel Bandwidth: 10 MHz

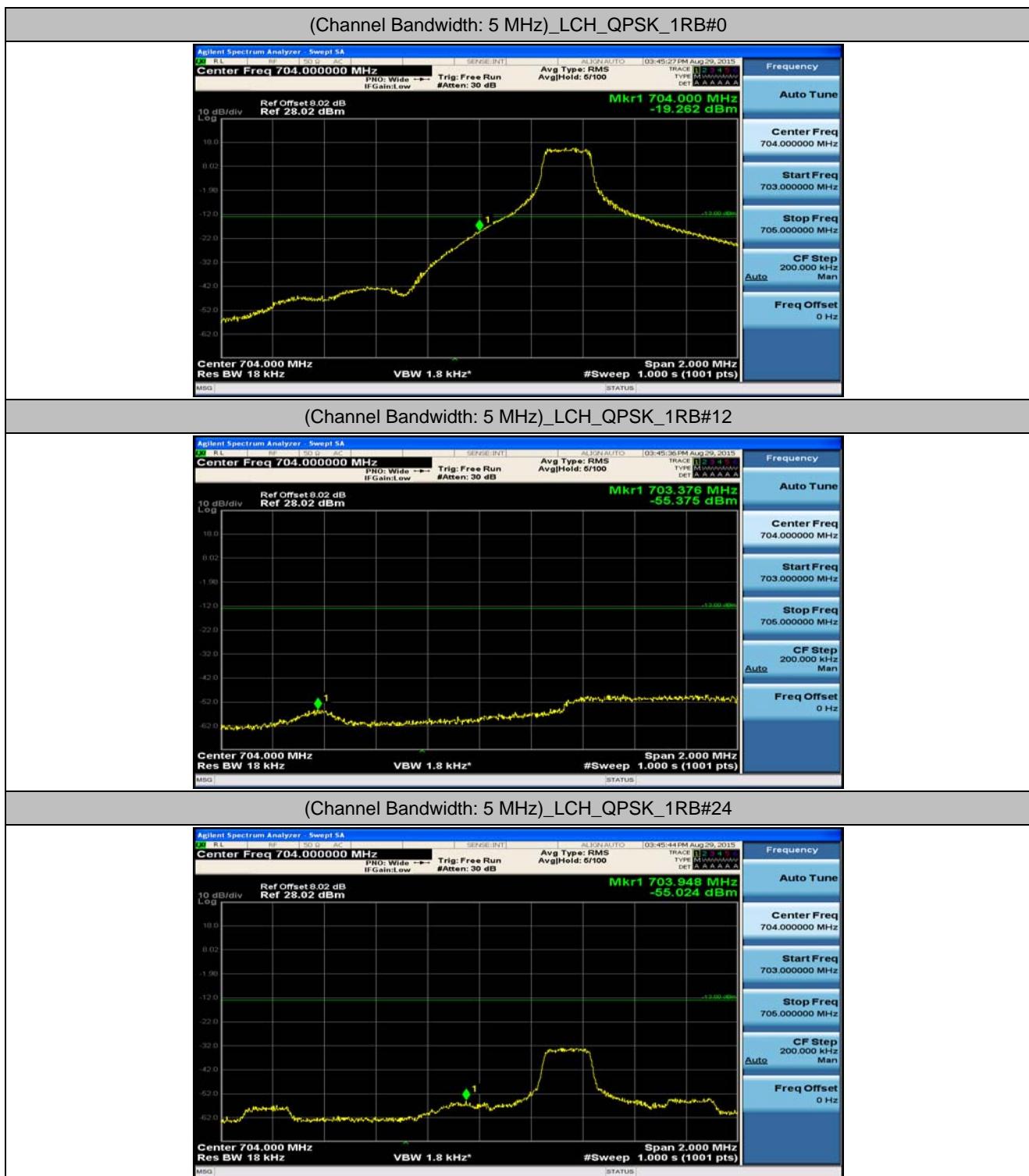




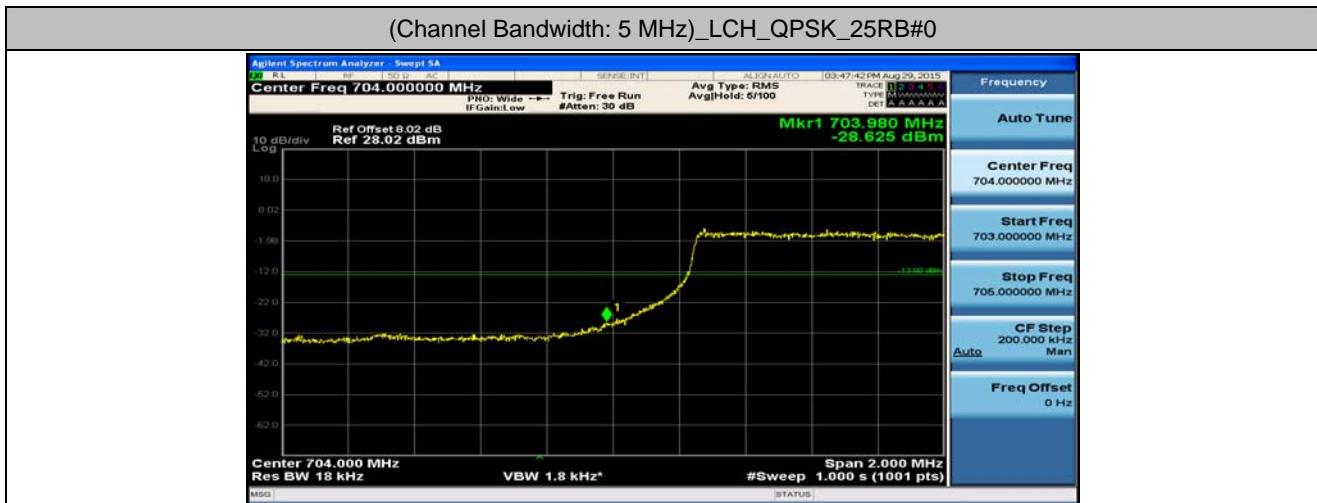
## Appendix D: Band Edge

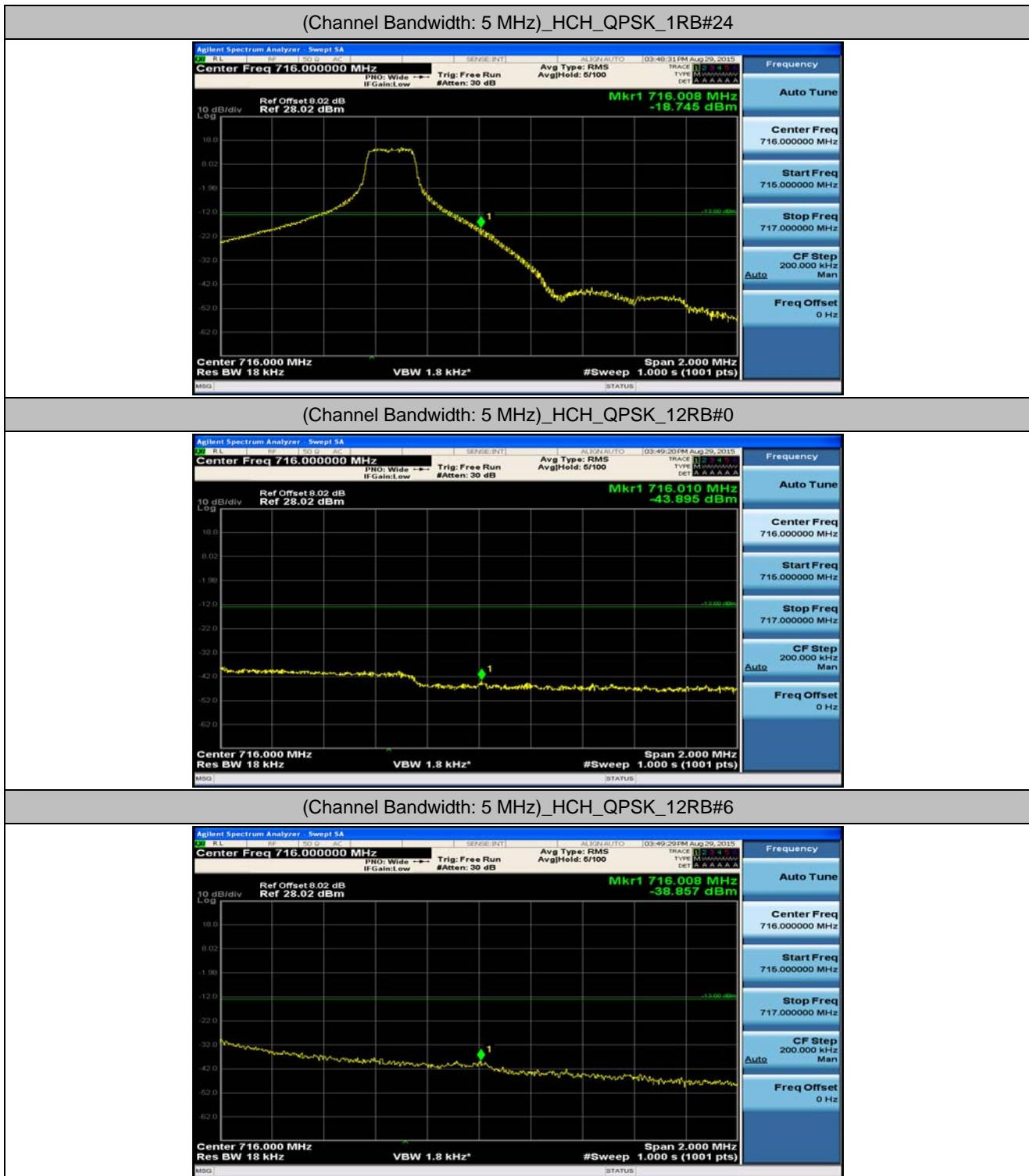
### Test Graphs

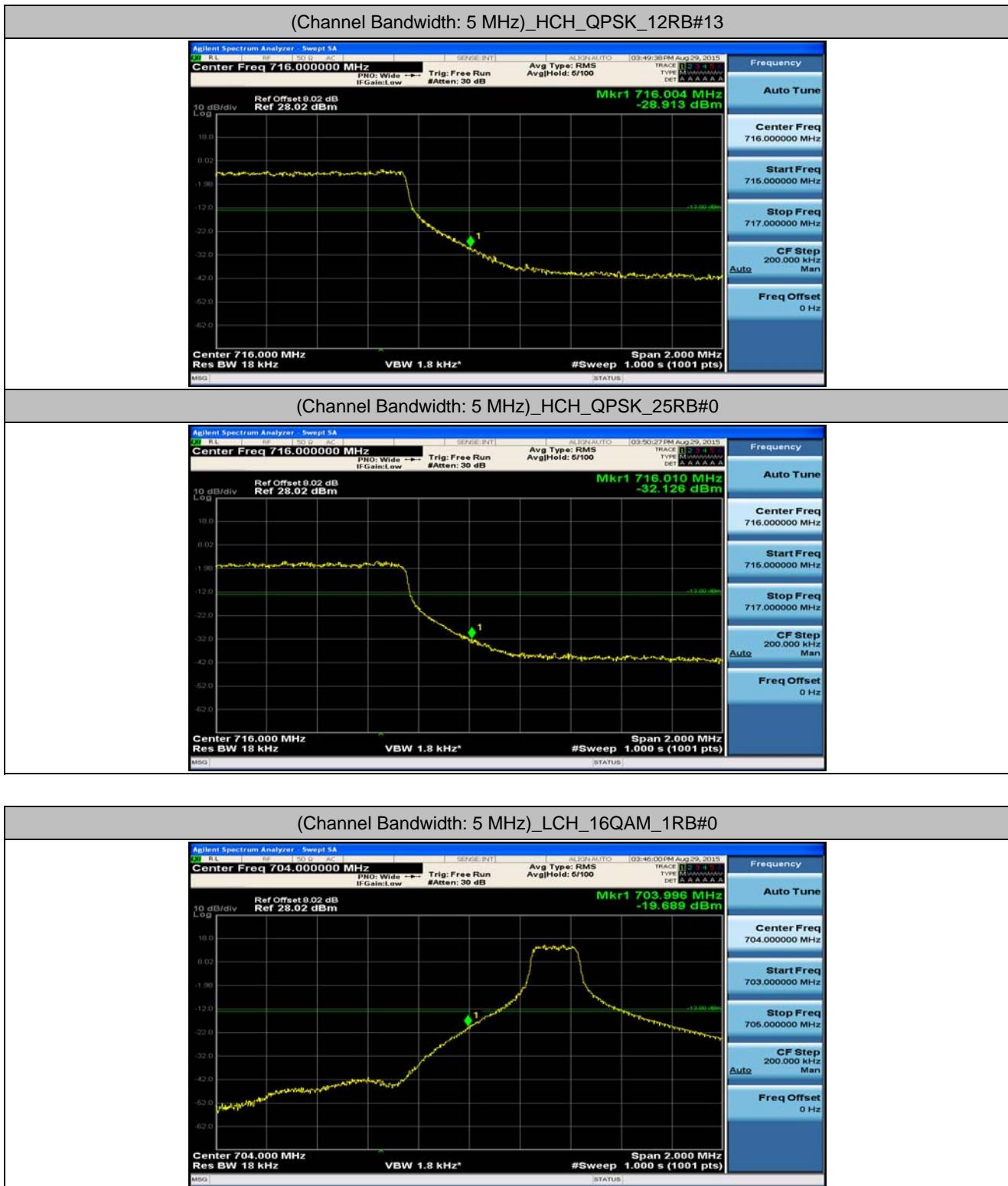
#### Channel Bandwidth: 5 MHz

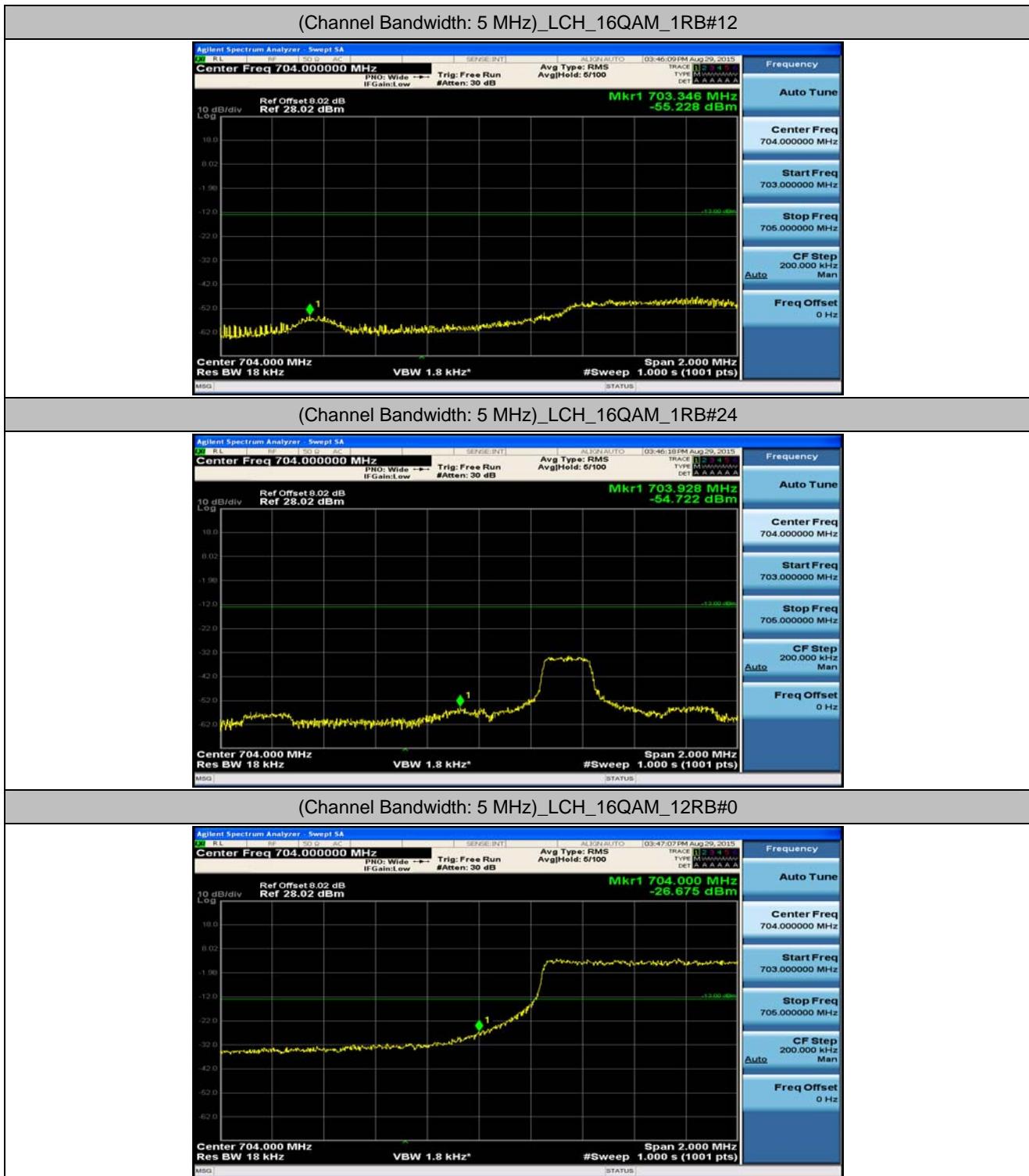


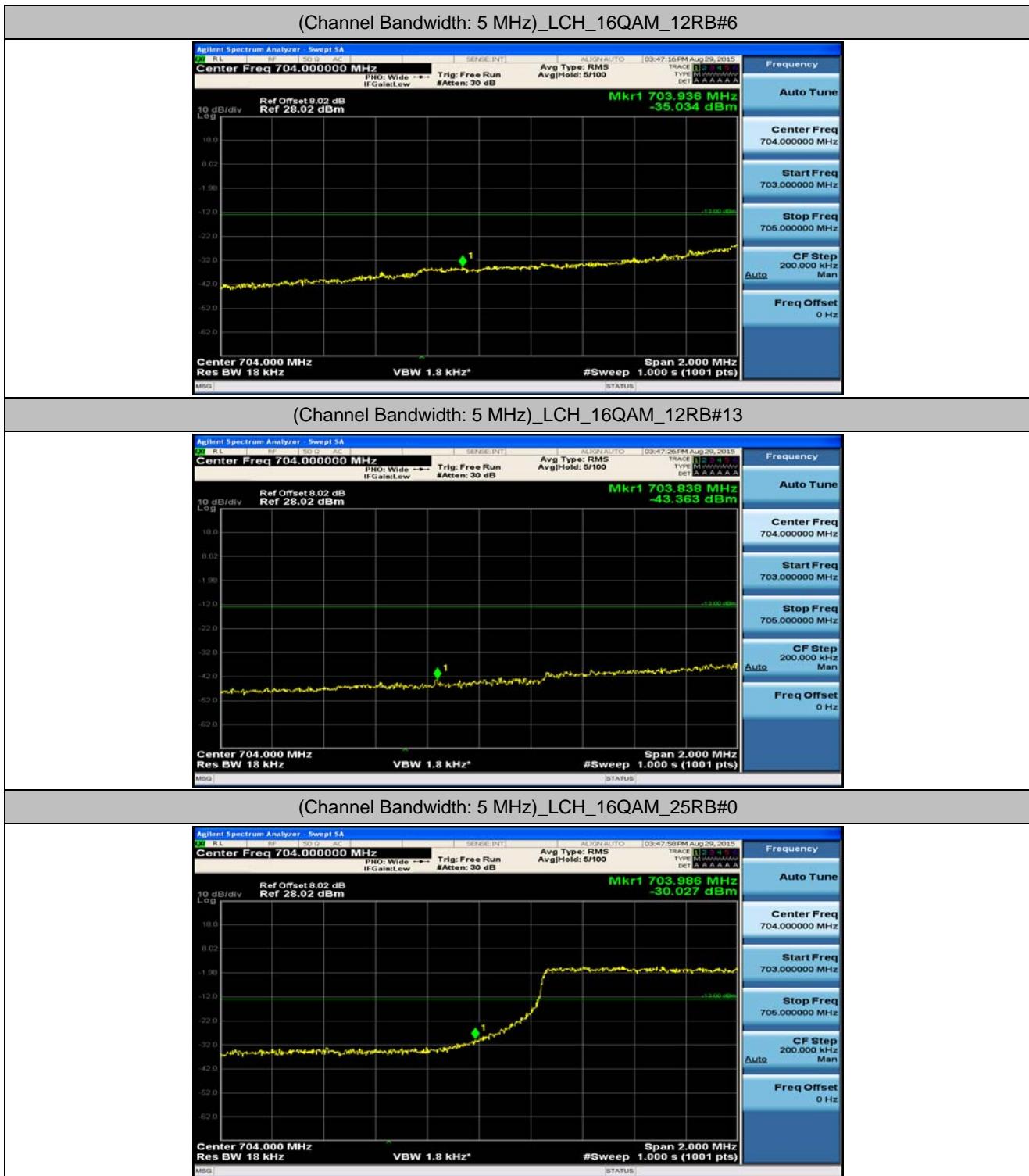


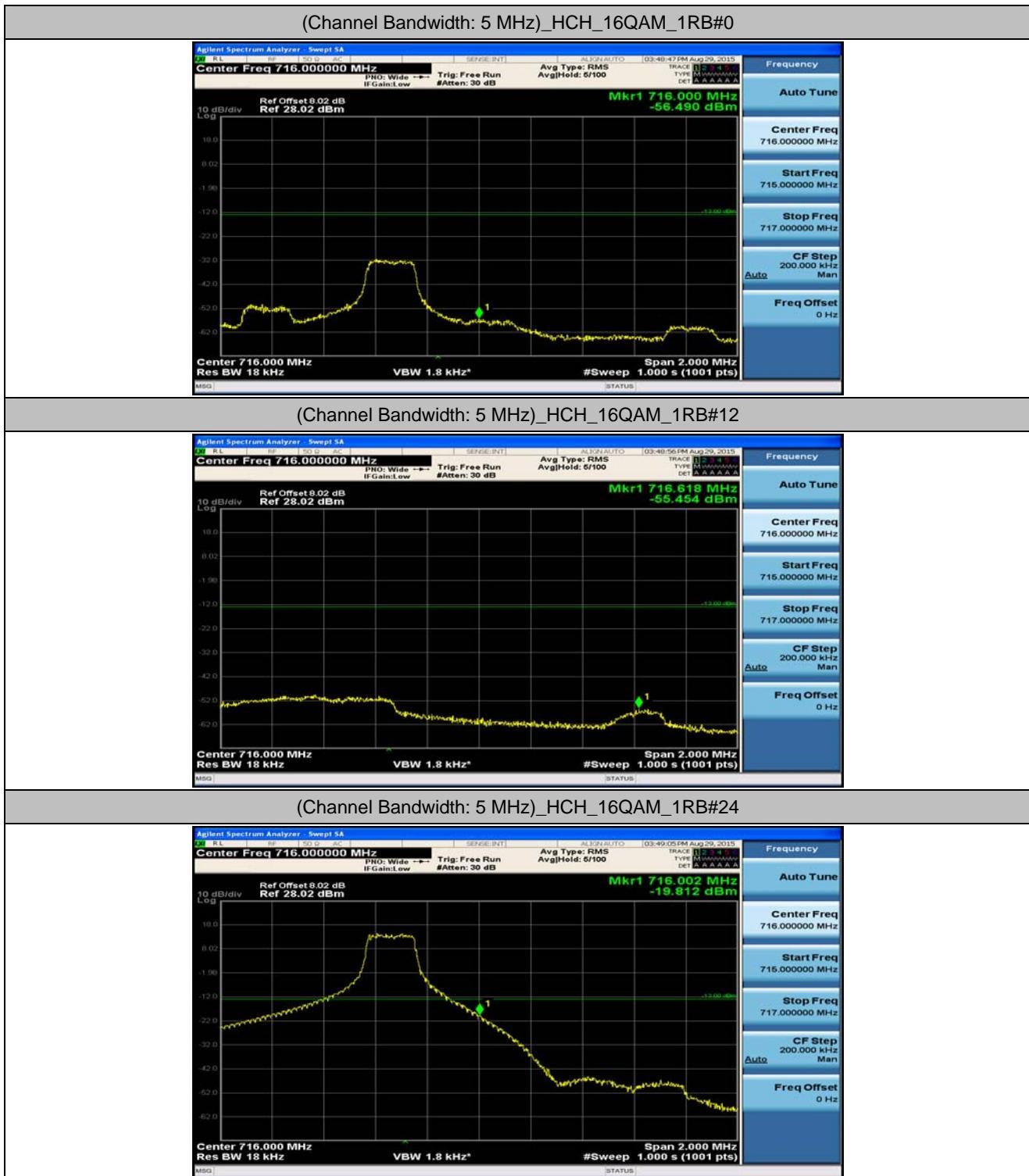


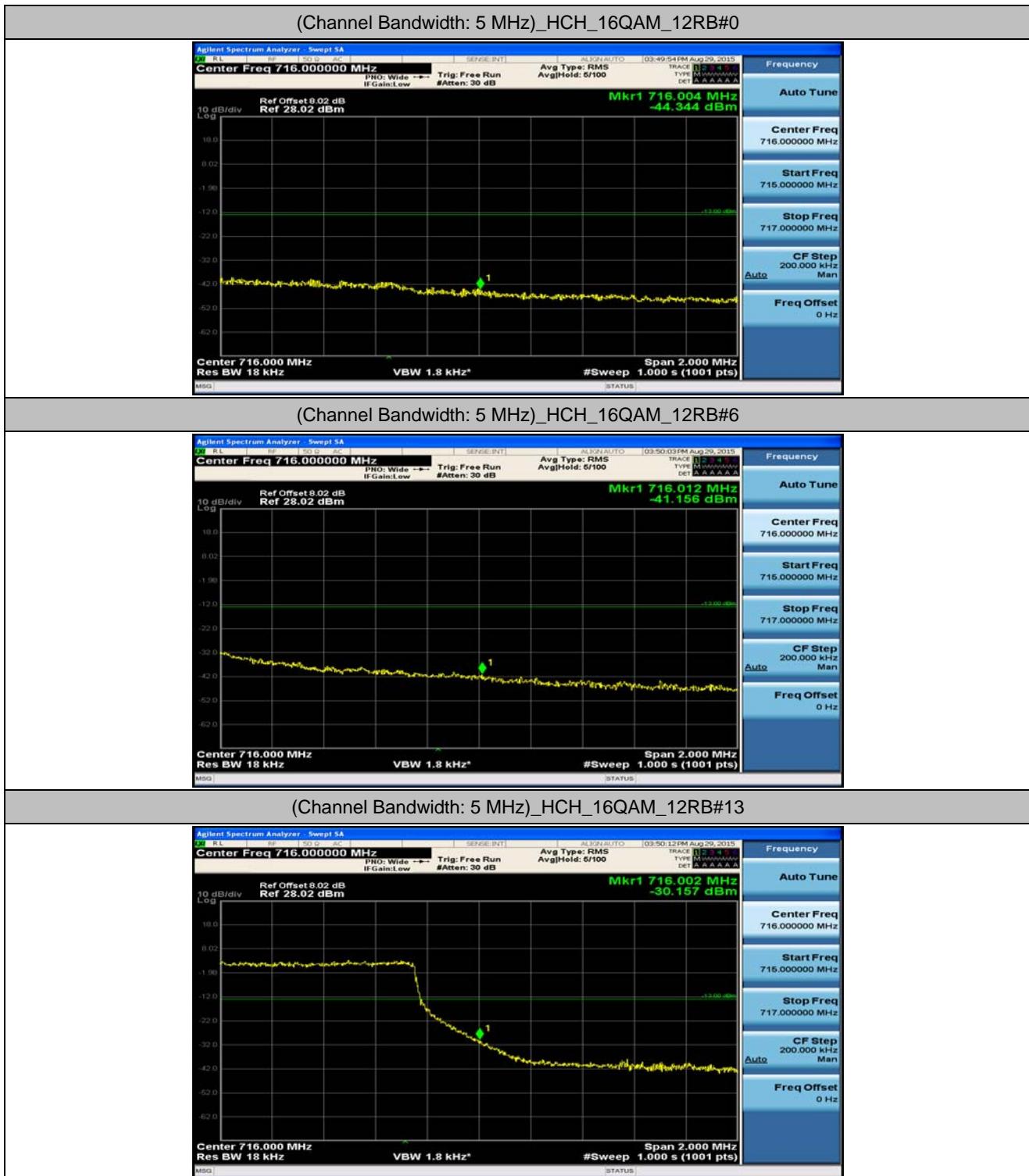














## Channel Bandwidth: 10 MHz



## Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#24

