

**F.2: Peak-to-Average Ratio**

| Channel Bandwidth    5 MHz |         |                  |        |                               |               |         |
|----------------------------|---------|------------------|--------|-------------------------------|---------------|---------|
| Modulation                 | Channel | RB Configuration |        | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
|                            |         | Size             | Offset |                               |               |         |
| QPSK                       | LCH     | 1                | 0      | 4.94                          | <13           | PASS    |
|                            |         | 1                | 12     | 5.84                          | <13           | PASS    |
|                            |         | 1                | 24     | 5.29                          | <13           | PASS    |
|                            |         | 12               | 0      | 5.96                          | <13           | PASS    |
|                            |         | 12               | 6      | 6.4                           | <13           | PASS    |
|                            |         | 12               | 13     | 6.27                          | <13           | PASS    |
|                            |         | 25               | 0      | 6.23                          | <13           | PASS    |
|                            | MCH     | 1                | 0      | 5.89                          | <13           | PASS    |
|                            |         | 1                | 12     | 4.19                          | <13           | PASS    |
|                            |         | 1                | 24     | 3.16                          | <13           | PASS    |
|                            |         | 12               | 0      | 6.1                           | <13           | PASS    |
|                            |         | 12               | 6      | 5.33                          | <13           | PASS    |
|                            |         | 12               | 13     | 4.46                          | <13           | PASS    |
|                            |         | 25               | 0      | 5.26                          | <13           | PASS    |
|                            | HCH     | 1                | 0      | 3.58                          | <13           | PASS    |
|                            |         | 1                | 12     | 3.21                          | <13           | PASS    |
|                            |         | 1                | 24     | 4.35                          | <13           | PASS    |
|                            |         | 12               | 0      | 4.06                          | <13           | PASS    |
|                            |         | 12               | 6      | 4.03                          | <13           | PASS    |
|                            |         | 12               | 13     | 4.65                          | <13           | PASS    |
|                            |         | 25               | 0      | 4.58                          | <13           | PASS    |
| 16QAM                      | LCH     | 1                | 0      | 5.75                          | <13           | PASS    |
|                            |         | 1                | 12     | 6.63                          | <13           | PASS    |
|                            |         | 1                | 24     | 6.15                          | <13           | PASS    |
|                            |         | 12               | 0      | 6.85                          | <13           | PASS    |
|                            |         | 12               | 6      | 7.13                          | <13           | PASS    |
|                            |         | 12               | 13     | 7.08                          | <13           | PASS    |
|                            |         | 25               | 0      | 7.1                           | <13           | PASS    |
|                            | MCH     | 1                | 0      | 6.54                          | <13           | PASS    |
|                            |         | 1                | 12     | 4.82                          | <13           | PASS    |
|                            |         | 1                | 24     | 4.15                          | <13           | PASS    |
|                            |         | 12               | 0      | 7.03                          | <13           | PASS    |
|                            |         | 12               | 6      | 6.29                          | <13           | PASS    |
|                            |         | 12               | 13     | 5.46                          | <13           | PASS    |
|                            |         | 25               | 0      | 6.14                          | <13           | PASS    |
|                            | HCH     | 1                | 0      | 4.57                          | <13           | PASS    |
|                            |         | 1                | 12     | 4.19                          | <13           | PASS    |
|                            |         | 1                | 24     | 5.26                          | <13           | PASS    |

|  |  |    |    |      |     |      |
|--|--|----|----|------|-----|------|
|  |  | 12 | 0  | 4.94 | <13 | PASS |
|  |  | 12 | 6  | 4.9  | <13 | PASS |
|  |  | 12 | 13 | 5.48 | <13 | PASS |
|  |  | 25 | 0  | 5.3  | <13 | PASS |

| Channel Bandwidth 10 MHz |         |                  |        |                               |               |         |
|--------------------------|---------|------------------|--------|-------------------------------|---------------|---------|
| Modulation               | Channel | RB Configuration |        | Peak-to-Average Ratio<br>[dB] | Limit<br>[dB] | Verdict |
|                          |         | Size             | Offset |                               |               |         |
| QPSK                     | LCH     | 1                | 0      | 5.16                          | <13           | PASS    |
|                          |         | 1                | 24     | 5.12                          | <13           | PASS    |
|                          |         | 1                | 49     | 3.14                          | <13           | PASS    |
|                          |         | 25               | 0      | 6.3                           | <13           | PASS    |
|                          |         | 25               | 12     | 5.82                          | <13           | PASS    |
|                          |         | 25               | 25     | 4.71                          | <13           | PASS    |
|                          |         | 50               | 0      | 5.31                          | <13           | PASS    |
|                          | MCH     | 1                | 0      | 5.75                          | <13           | PASS    |
|                          |         | 1                | 24     | 4.3                           | <13           | PASS    |
|                          |         | 1                | 49     | 3.77                          | <13           | PASS    |
|                          |         | 25               | 0      | 6.21                          | <13           | PASS    |
|                          |         | 25               | 12     | 5.33                          | <13           | PASS    |
|                          |         | 25               | 25     | 4.64                          | <13           | PASS    |
|                          |         | 50               | 0      | 5.34                          | <13           | PASS    |
|                          | HCH     | 1                | 0      | 5.77                          | <13           | PASS    |
|                          |         | 1                | 24     | 3.56                          | <13           | PASS    |
|                          |         | 1                | 49     | 4.05                          | <13           | PASS    |
|                          |         | 25               | 0      | 5.99                          | <13           | PASS    |
|                          |         | 25               | 12     | 4.86                          | <13           | PASS    |
|                          |         | 25               | 25     | 4.67                          | <13           | PASS    |
|                          |         | 50               | 0      | 5.38                          | <13           | PASS    |
| 16QAM                    | LCH     | 1                | 0      | 6.13                          | <13           | PASS    |
|                          |         | 1                | 24     | 5.89                          | <13           | PASS    |
|                          |         | 1                | 49     | 4.16                          | <13           | PASS    |
|                          |         | 25               | 0      | 7.09                          | <13           | PASS    |
|                          |         | 25               | 12     | 6.74                          | <13           | PASS    |
|                          |         | 25               | 25     | 5.54                          | <13           | PASS    |
|                          |         | 50               | 0      | 6.14                          | <13           | PASS    |
|                          | MCH     | 1                | 0      | 6.59                          | <13           | PASS    |
|                          |         | 1                | 24     | 5.07                          | <13           | PASS    |
|                          |         | 1                | 49     | 4.63                          | <13           | PASS    |
|                          |         | 25               | 0      | 7.08                          | <13           | PASS    |
|                          |         | 25               | 12     | 6.18                          | <13           | PASS    |
|                          |         | 25               | 25     | 5.38                          | <13           | PASS    |
|                          |         | 50               | 0      | 6.11                          | <13           | PASS    |

|  |     |    |    |      |     |      |
|--|-----|----|----|------|-----|------|
|  | HCH | 1  | 0  | 6.61 | <13 | PASS |
|  |     | 1  | 24 | 4.5  | <13 | PASS |
|  |     | 1  | 49 | 4.95 | <13 | PASS |
|  |     | 25 | 0  | 6.81 | <13 | PASS |
|  |     | 25 | 12 | 5.73 | <13 | PASS |
|  |     | 25 | 25 | 5.4  | <13 | PASS |
|  |     | 50 | 0  | 6.11 | <13 | PASS |

## Test Graphs

### Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



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



(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24



(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#0



(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#6



(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



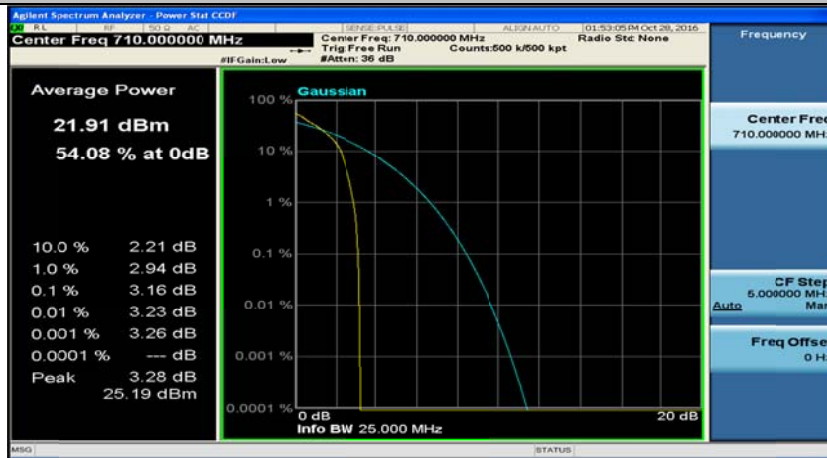
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



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



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24



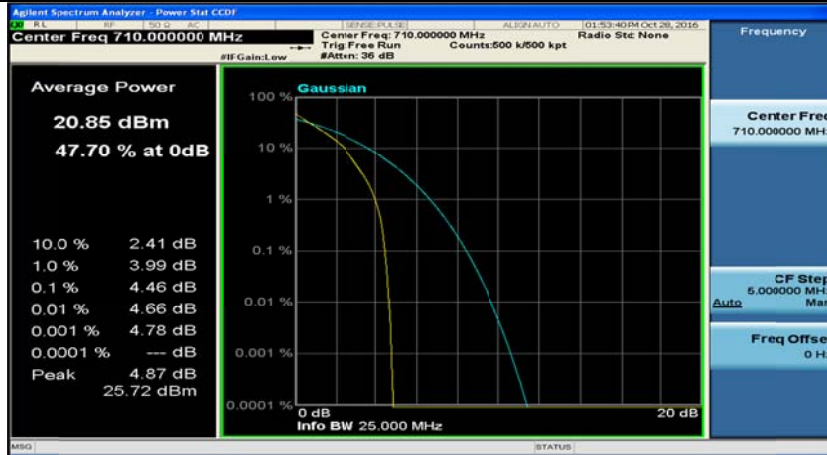
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#6



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#13



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_25RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



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



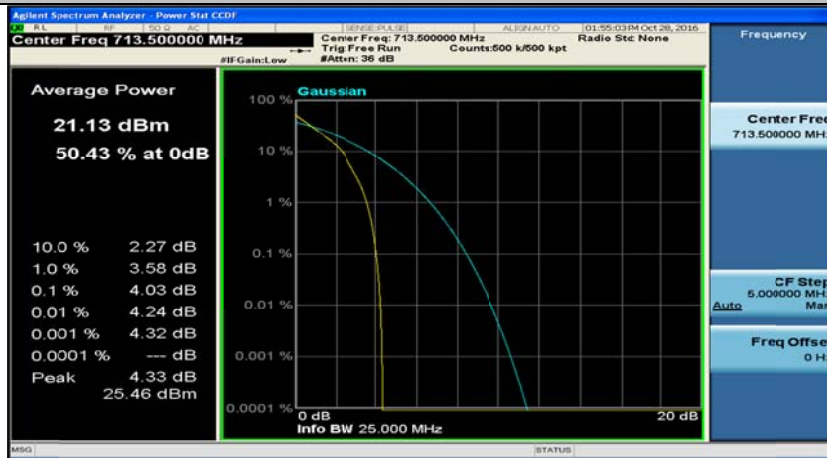
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#6



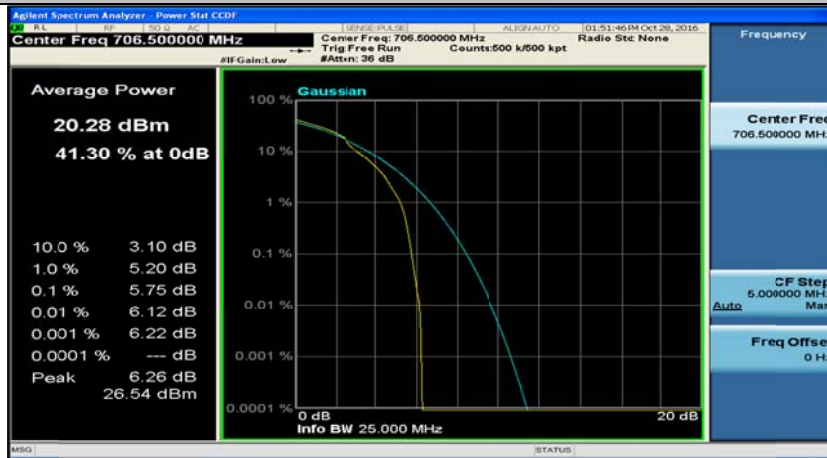
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#13



(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



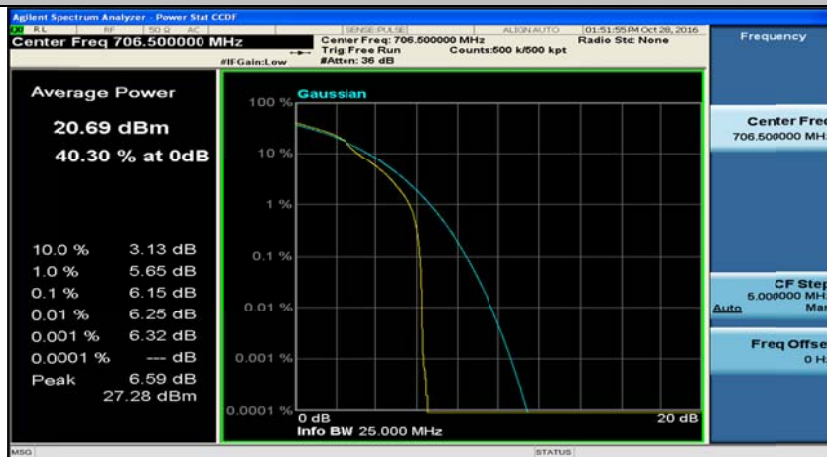
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#24



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#0



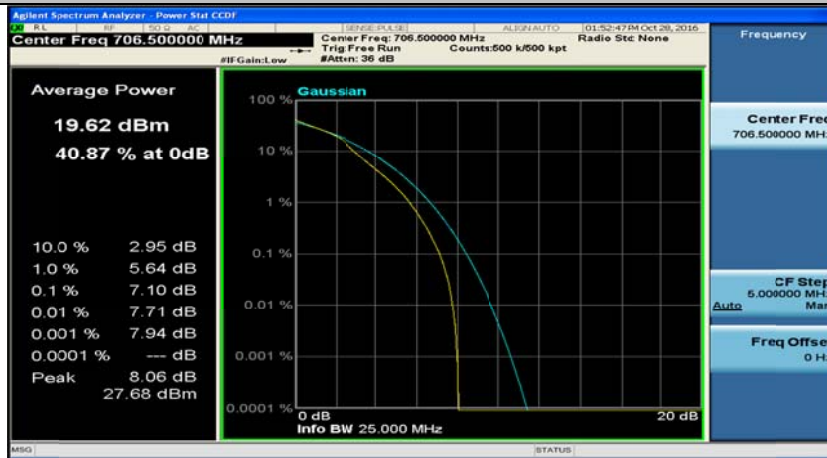
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#6



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#13



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#6



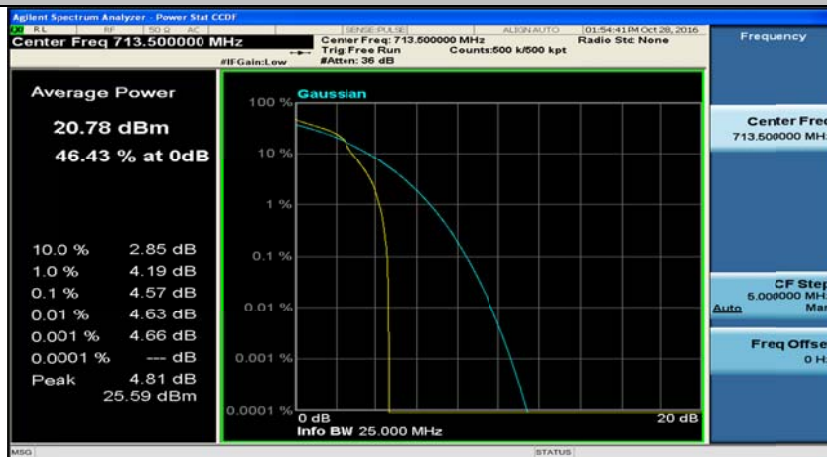
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#13



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12



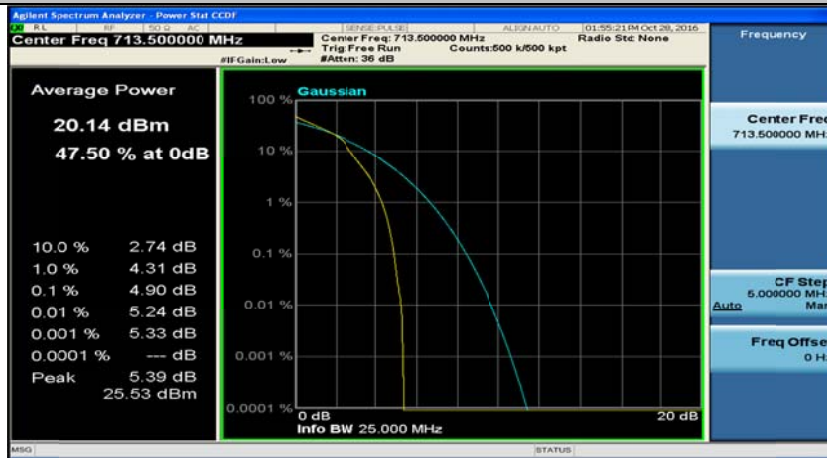
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#0



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#6



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#13



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



**Channel Bandwidth: 10 MHz**

Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#0



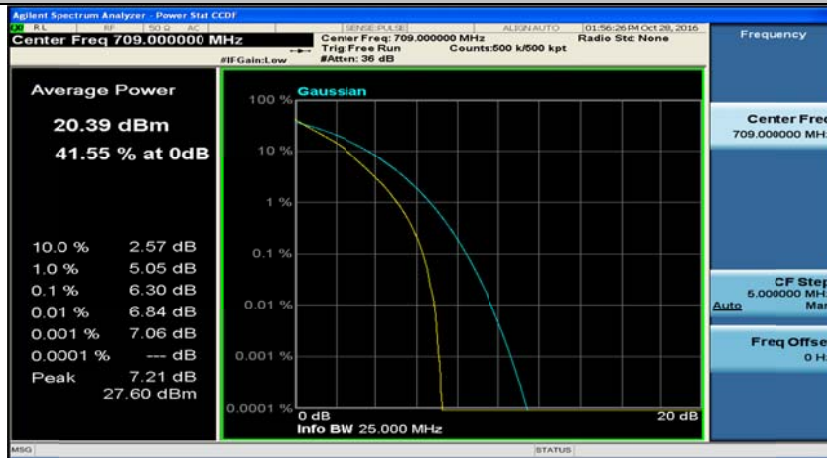
Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#24



Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#49



## Channel Bandwidth: 10 MHz\_LCH\_QPSK\_25RB#0



## Channel Bandwidth: 10 MHz\_LCH\_QPSK\_25RB#12



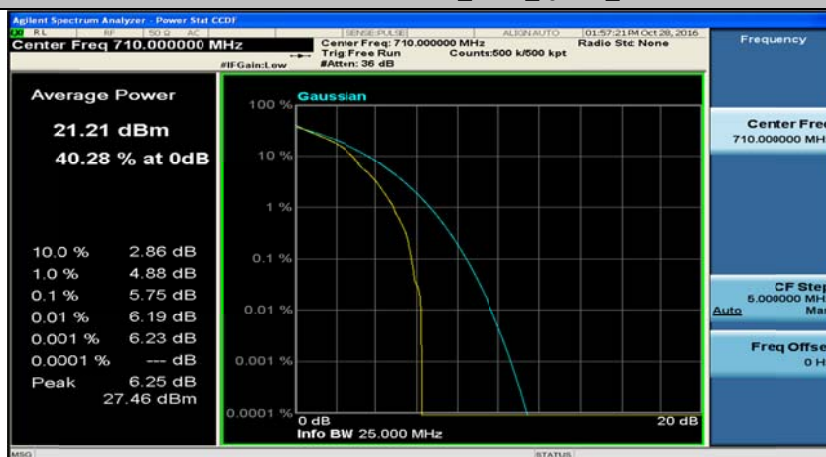
## Channel Bandwidth: 10 MHz\_LCH\_QPSK\_25RB#25



## Channel Bandwidth: 10 MHz\_LCH\_QPSK\_50RB#0



## Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0



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



## Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#49



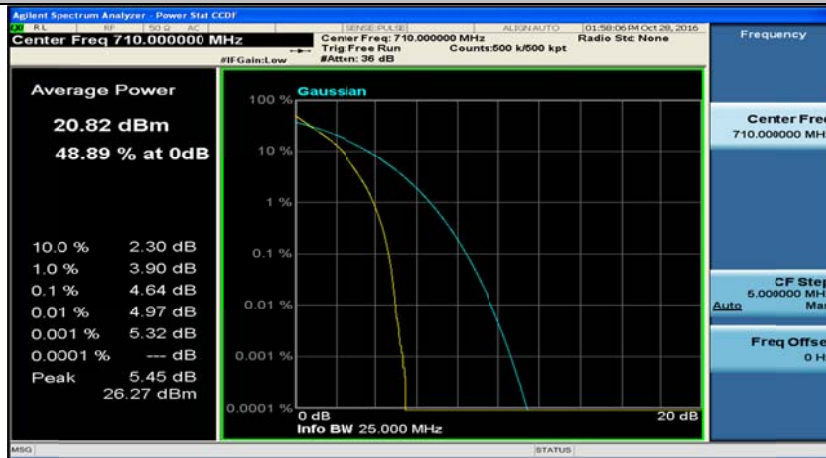
## Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#0



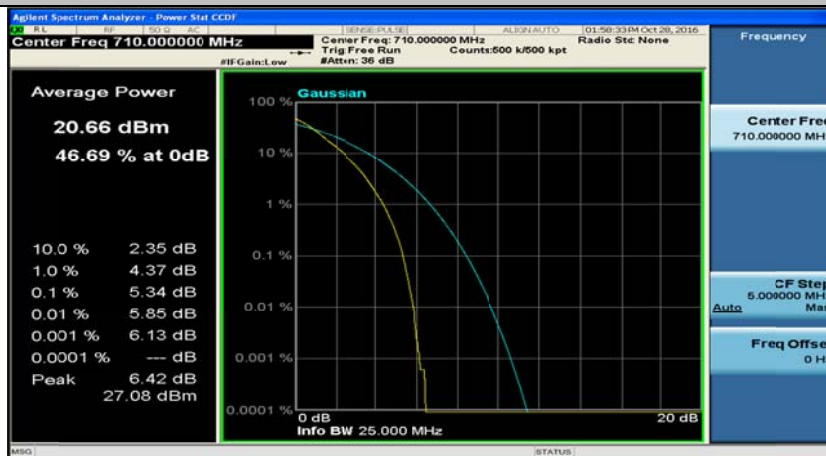
## Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#12



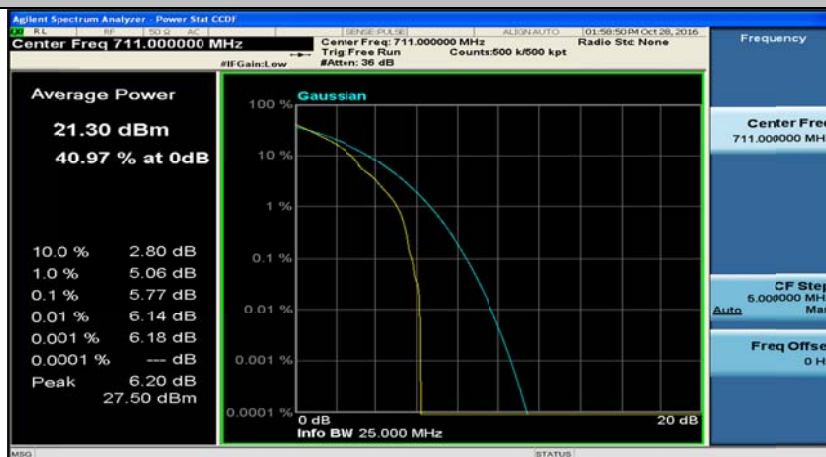
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#25



Channel Bandwidth: 10 MHz\_MCH\_QPSK\_50RB#0



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0



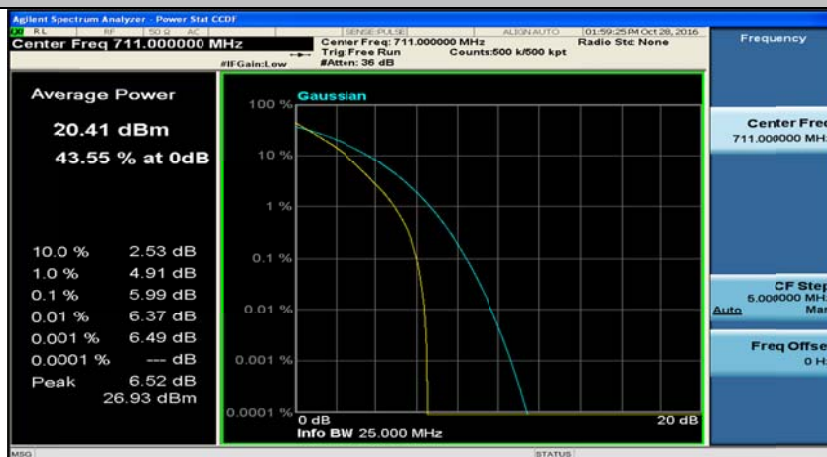
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#49



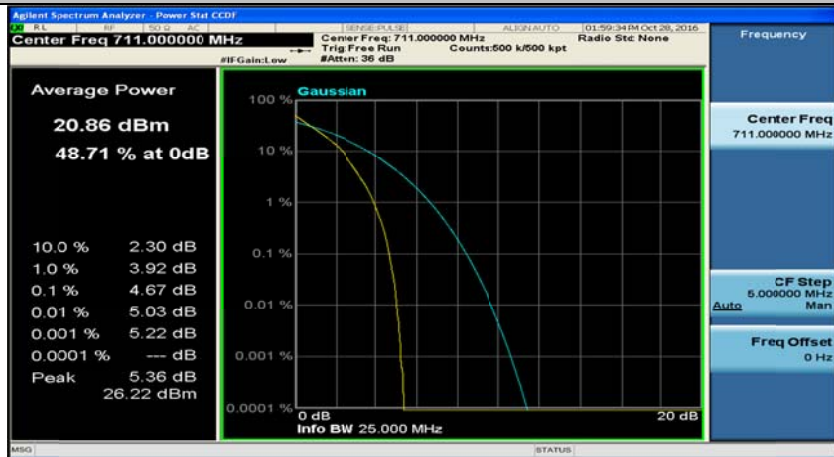
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#0



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#12



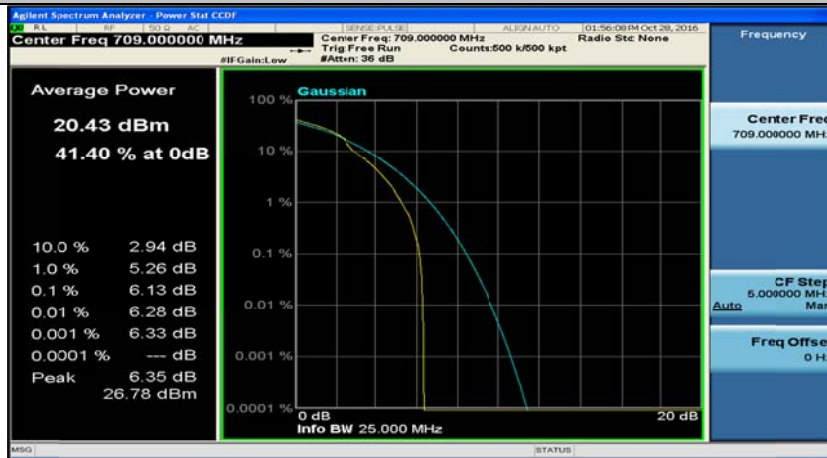
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#25



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_50RB#0



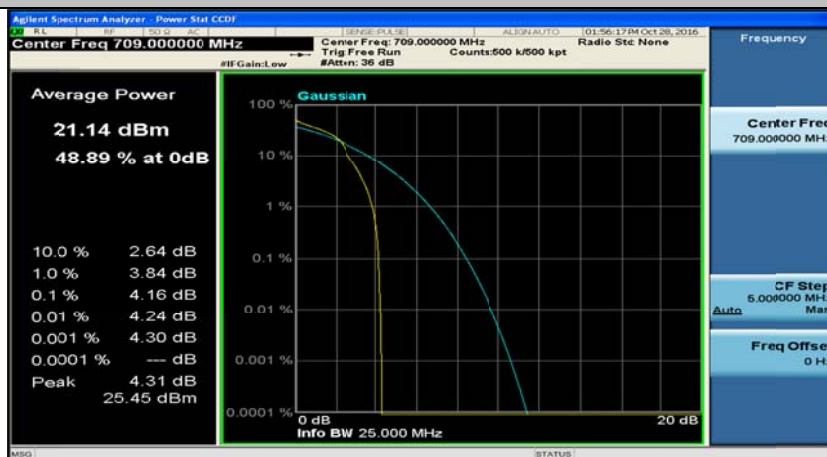
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



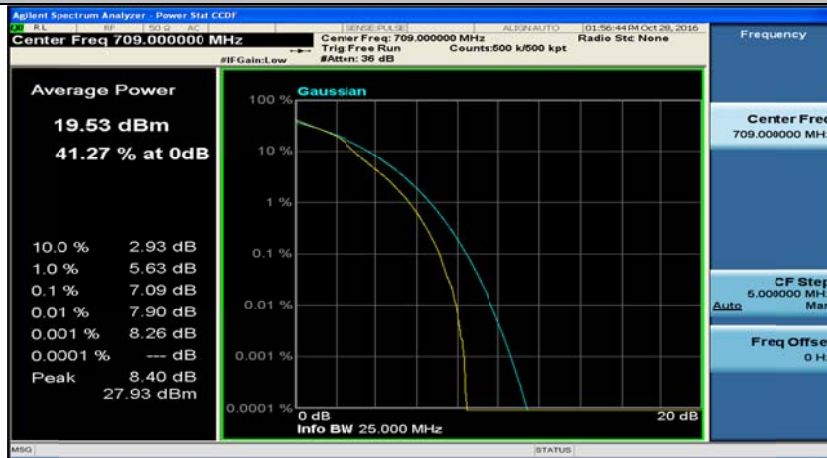
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#24



Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#49



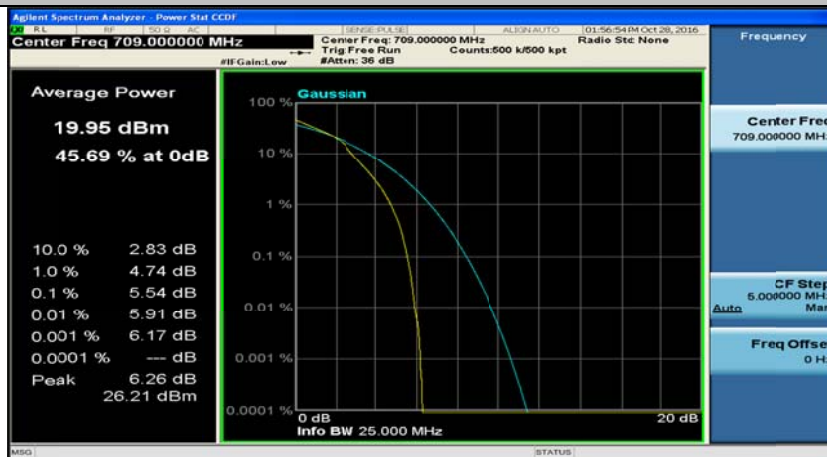
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#0



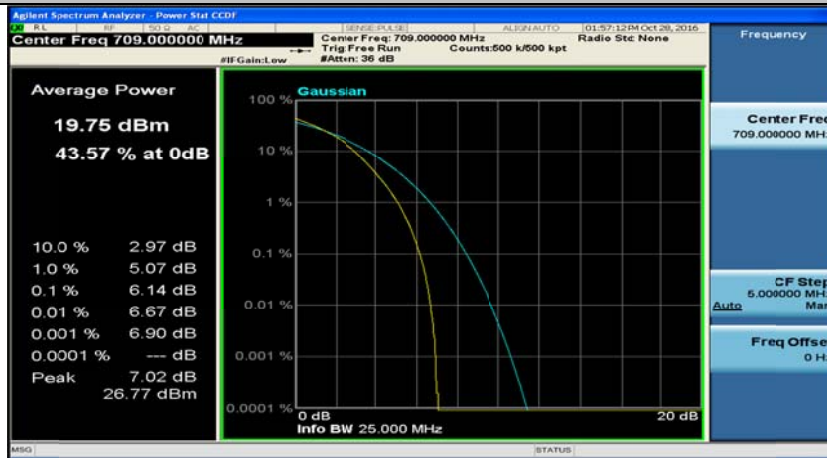
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#12



Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#25



Channel Bandwidth: 10 MHz\_LCH\_16QAM\_50RB#0



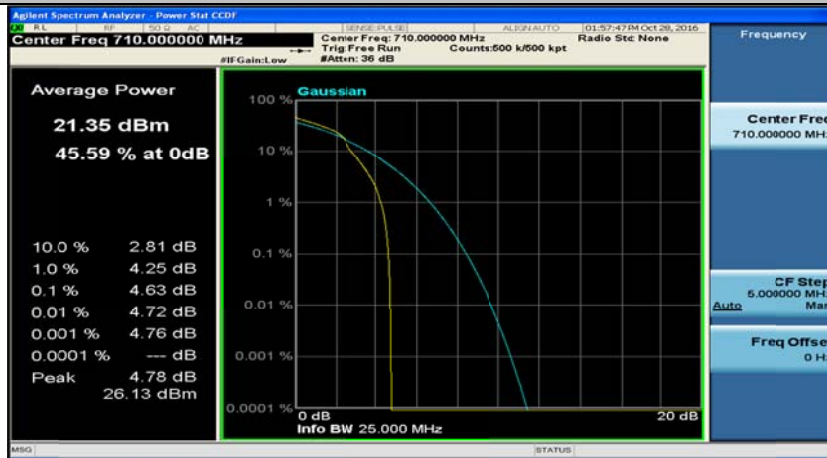
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24



Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49



Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#0



Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#12



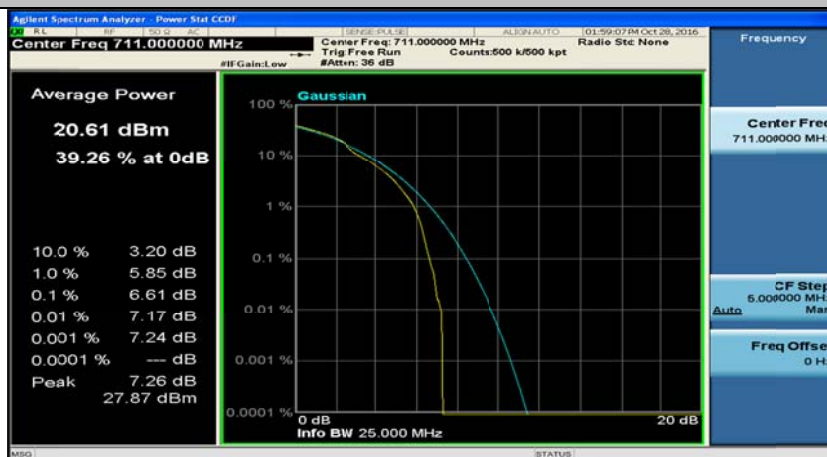
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#25



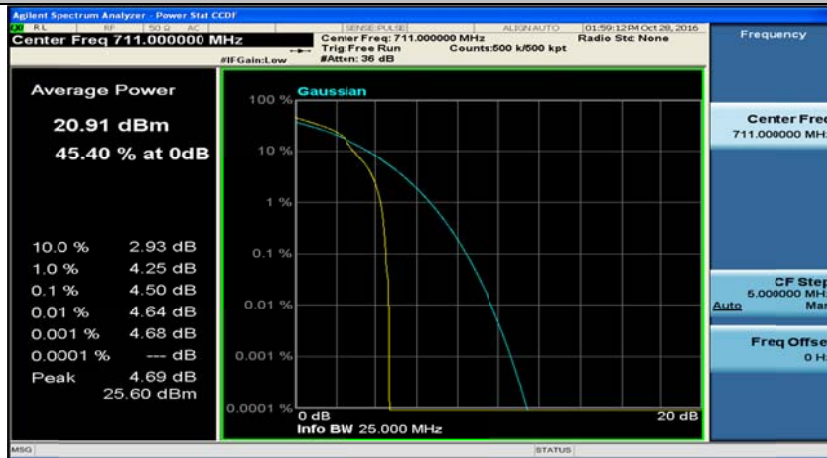
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_50RB#0



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



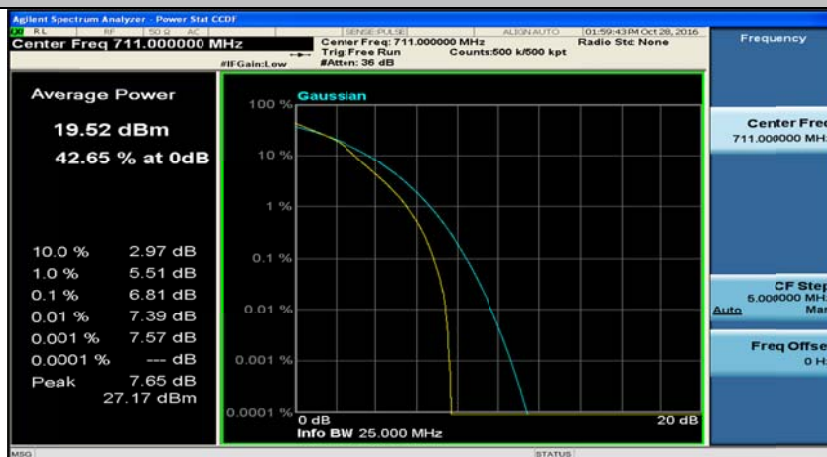
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24



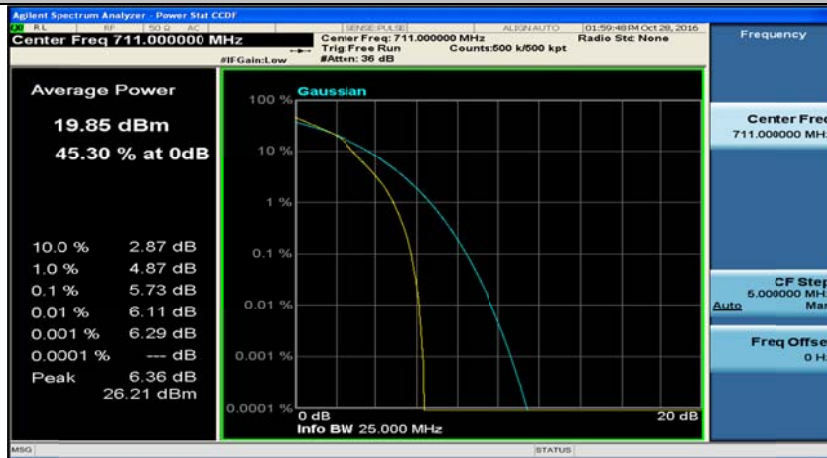
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#49



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#0



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#12



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#25



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_50RB#0

