# Appendix B: Peak-to-Average Ratio

## Test Result

## Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio | Limit | Verdict |
| | | Size | Offset | [dB] | [dB] | |
| QPSK | LCH | 1 | 0 | 4.75 | <13 | PASS |
| | | 1 | 12 | 5.06 | <13 | PASS |
| | | 1 | 24 | 4.69 | <13 | PASS |
| | | 12 | 0 | 5.82 | <13 | PASS |
| | | 12 | 6 | 5.97 | <13 | PASS |
| | | 12 | 13 | 5.91 | <13 | PASS |
| | | 25 | 0 | 5.81 | <13 | PASS |
| | MCH | 1 | 0 | 4.98 | <13 | PASS |
| | | 1 | 12 | 4.2 | <13 | PASS |
| | | 1 | 24 | 3.89 | <13 | PASS |
| | | 12 | 0 | 5.67 | <13 | PASS |
| | | 12 | 6 | 5.31 | <13 | PASS |
| | | 12 | 13 | 5.02 | <13 | PASS |
| | | 25 | 0 | 5.34 | <13 | PASS |
| | HCH | 1 | 0 | 3.97 | <13 | PASS |
| | | 1 | 12 | 3.5 | <13 | PASS |
| | | 1 | 24 | 3.3 | <13 | PASS |
| | | 12 | 0 | 4.73 | <13 | PASS |
| | | 12 | 6 | 4.58 | <13 | PASS |
| | | 12 | 13 | 4.49 | <13 | PASS |
| | | 25 | 0 | 4.73 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 5.54 | <13 | PASS |
| | | 1 | 12 | 5.82 | <13 | PASS |
| | | 1 | 24 | 5.56 | <13 | PASS |
| | | 12 | 0 | 6.61 | <13 | PASS |
| | | 12 | 6 | 6.72 | <13 | PASS |
| | | 12 | 13 | 6.68 | <13 | PASS |
| | | 25 | 0 | 6.64 | <13 | PASS |
| | MCH | 1 | 0 | 5.76 | <13 | PASS |
| | | 1 | 12 | 4.92 | <13 | PASS |
| | | 1 | 24 | 4.6 | <13 | PASS |
| | | 12 | 0 | 6.49 | <13 | PASS |
| | | 12 | 6 | 6.24 | <13 | PASS |
| | | 12 | 13 | 5.92 | <13 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 25 | 0 | 6.22 | <13 | PASS |
| | HCH | 1 | 0 | 5.01 | <13 | PASS |
| | | 1 | 12 | 4.55 | <13 | PASS |
| | | 1 | 24 | 4.45 | <13 | PASS |
| | | 12 | 0 | 5.57 | <13 | PASS |
| | | 12 | 6 | 5.41 | <13 | PASS |
| | | 12 | 13 | 5.38 | <13 | PASS |
| | | 25 | 0 | 5.57 | <13 | PASS |

## Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 4.78 | <13 | PASS |
| | | 1 | 24 | 4.57 | <13 | PASS |
| | | 1 | 49 | 3.58 | <13 | PASS |
| | | 25 | 0 | 5.86 | <13 | PASS |
| | | 25 | 12 | 5.55 | <13 | PASS |
| | | 25 | 25 | 5.03 | <13 | PASS |
| | | 50 | 0 | 5.4 | <13 | PASS |
| | MCH | 1 | 0 | 5.05 | <13 | PASS |
| | | 1 | 24 | 4.19 | <13 | PASS |
| | | 1 | 49 | 3.52 | <13 | PASS |
| | | 25 | 0 | 5.8 | <13 | PASS |
| | | 25 | 12 | 5.33 | <13 | PASS |
| | | 25 | 25 | 4.87 | <13 | PASS |
| | | 50 | 0 | 5.34 | <13 | PASS |
| | HCH | 1 | 0 | 5.04 | <13 | PASS |
| | | 1 | 24 | 3.85 | <13 | PASS |
| | | 1 | 49 | 3.26 | <13 | PASS |
| | | 25 | 0 | 5.65 | <13 | PASS |
| | | 25 | 12 | 5.1 | <13 | PASS |
| | | 25 | 25 | 4.77 | <13 | PASS |
| | | 50 | 0 | 5.31 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 5.57 | <13 | PASS |
| | | 1 | 24 | 5.41 | <13 | PASS |
| | | 1 | 49 | 4.53 | <13 | PASS |
| | | 25 | 0 | 6.7 | <13 | PASS |
| | | 25 | 12 | 6.46 | <13 | PASS |
| | | 25 | 25 | 5.88 | <13 | PASS |
| | | 50 | 0 | 6.19 | <13 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | MCH | 1 | 0 | 5.86 | <13 | PASS |
| | | 1 | 24 | 5.07 | <13 | PASS |
| | | 1 | 49 | 4.53 | <13 | PASS |
| | | 25 | 0 | 6.62 | <13 | PASS |
| | | 25 | 12 | 6.16 | <13 | PASS |
| | | 25 | 25 | 5.75 | <13 | PASS |
| | | 50 | 0 | 6.14 | <13 | PASS |
| | HCH | 1 | 0 | 5.9 | <13 | PASS |
| | | 1 | 24 | 4.69 | <13 | PASS |
| | | 1 | 49 | 4.23 | <13 | PASS |
| | | 25 | 0 | 6.49 | <13 | PASS |
| | | 25 | 12 | 5.95 | <13 | PASS |
| | | 25 | 25 | 5.59 | <13 | PASS |
| | | 50 | 0 | 6.1 | <13 | PASS |

## Test Graphs

## Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

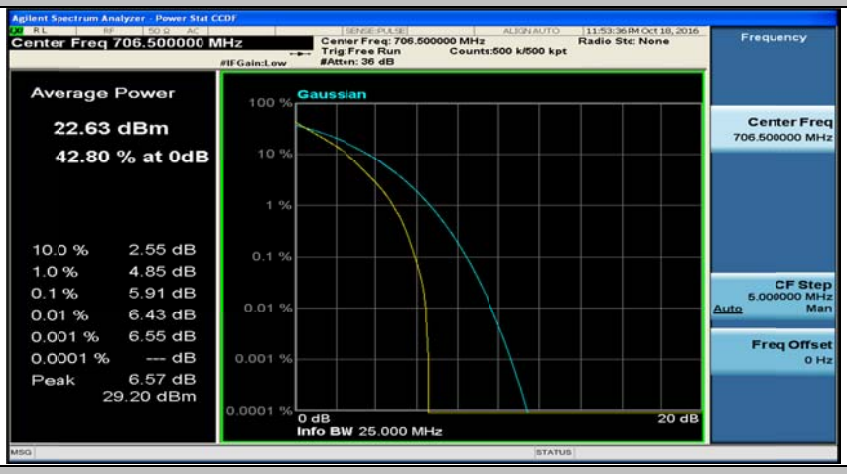

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12


(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

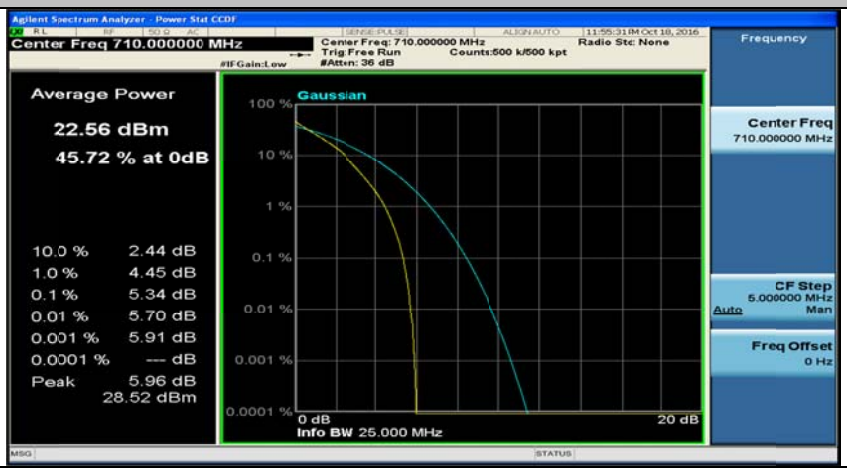

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24


(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

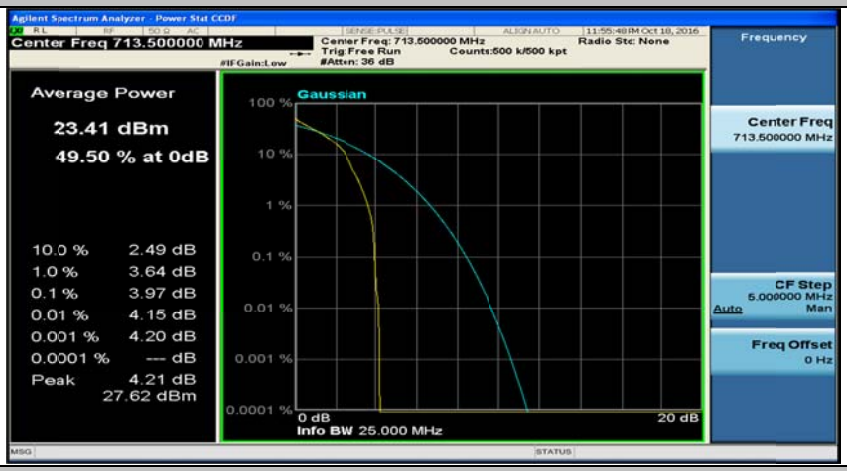

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6


(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13


(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0




(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

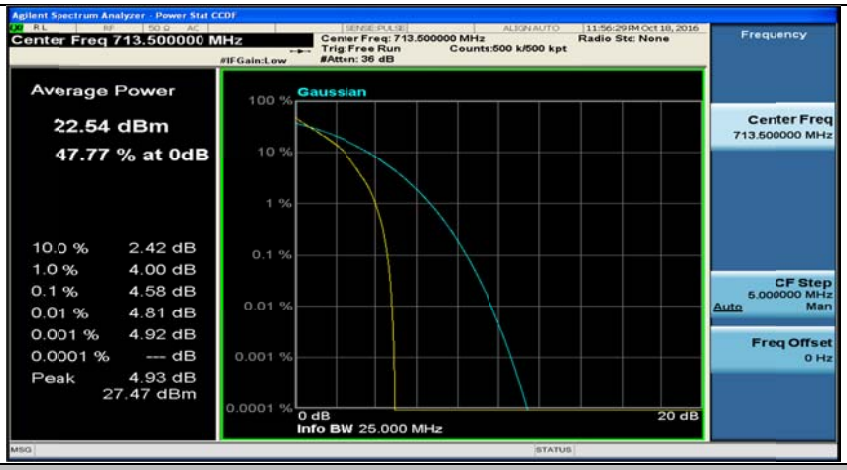



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

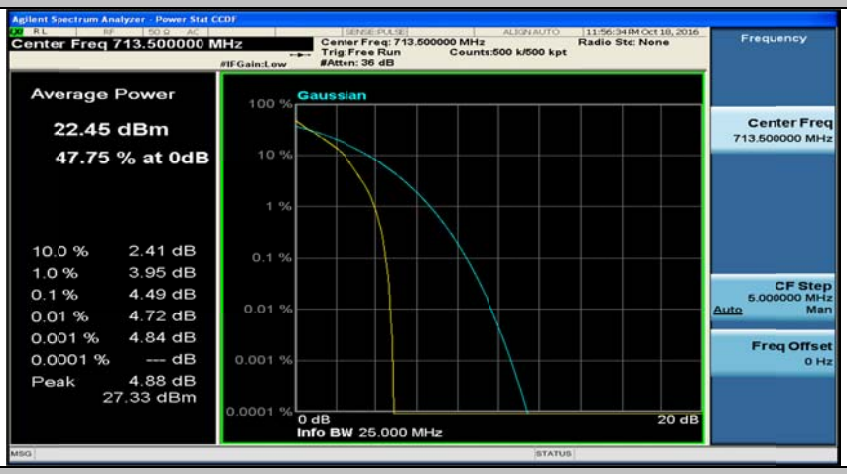

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24


(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

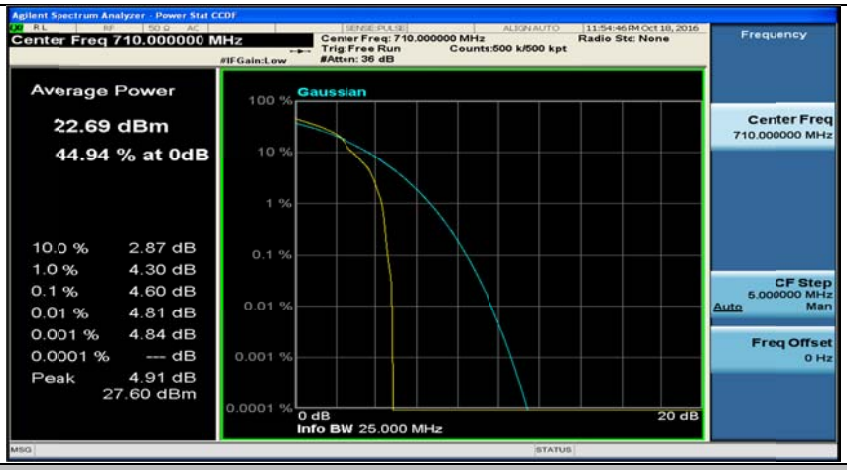

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13


(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

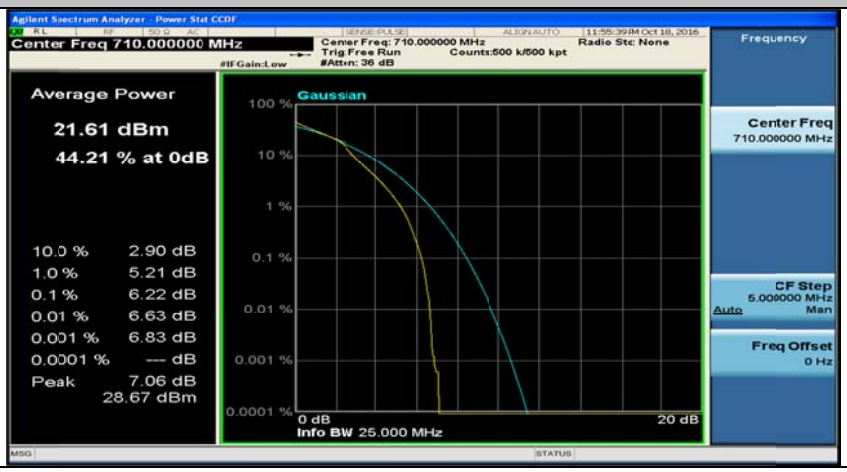



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0


(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

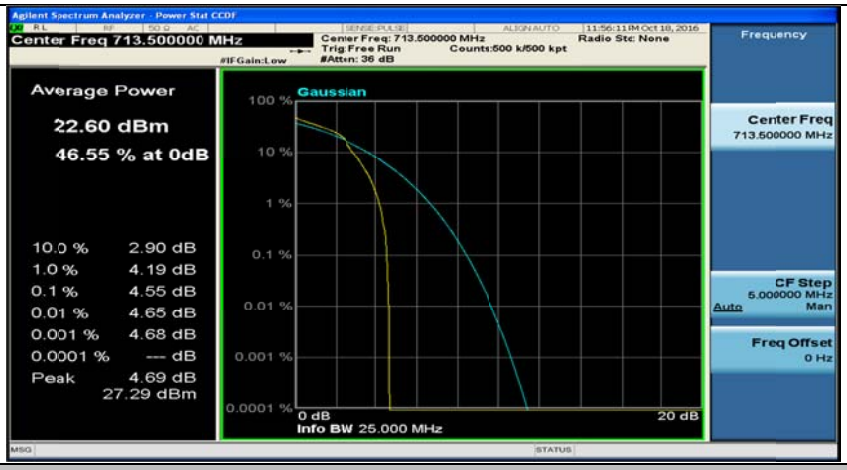

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13


(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

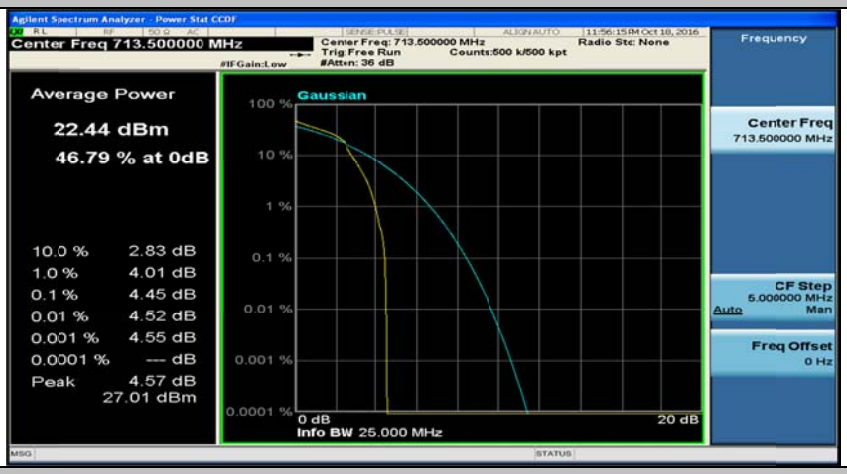



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0


(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

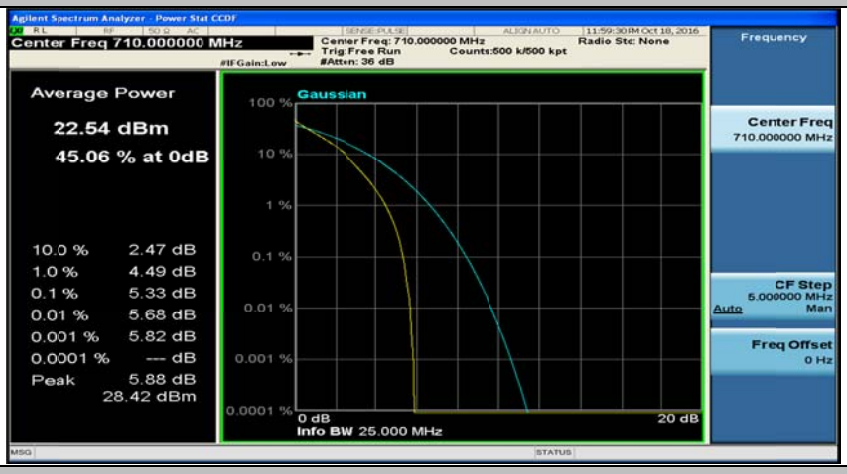

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

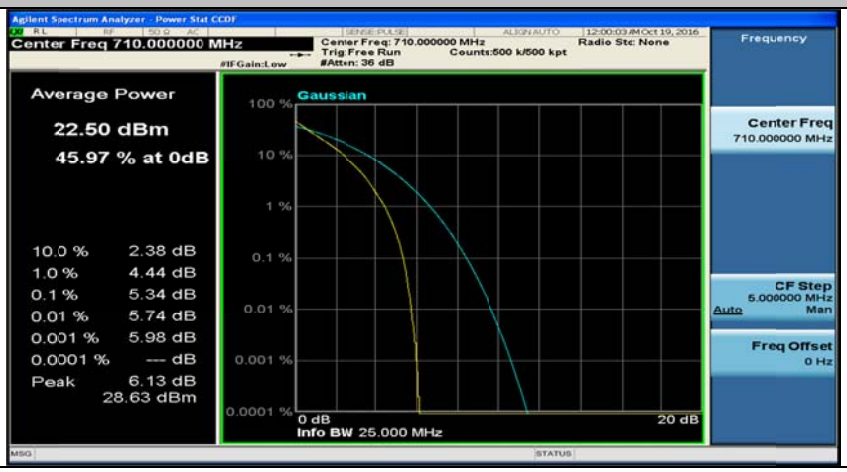

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12




Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

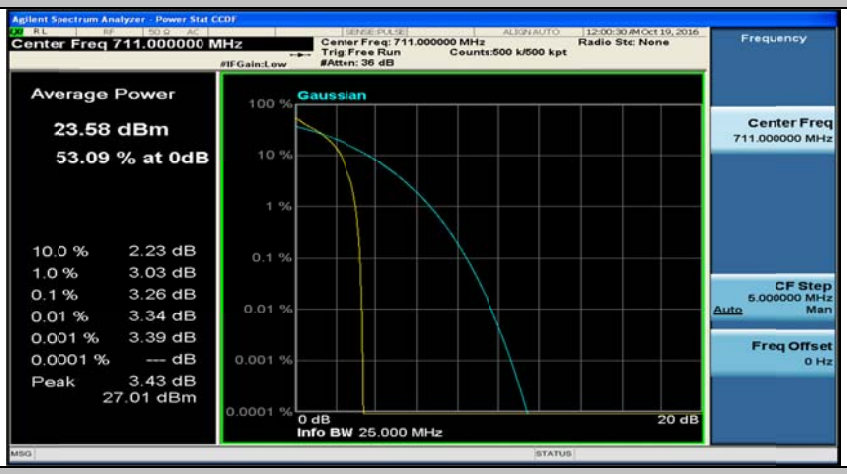

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0




Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

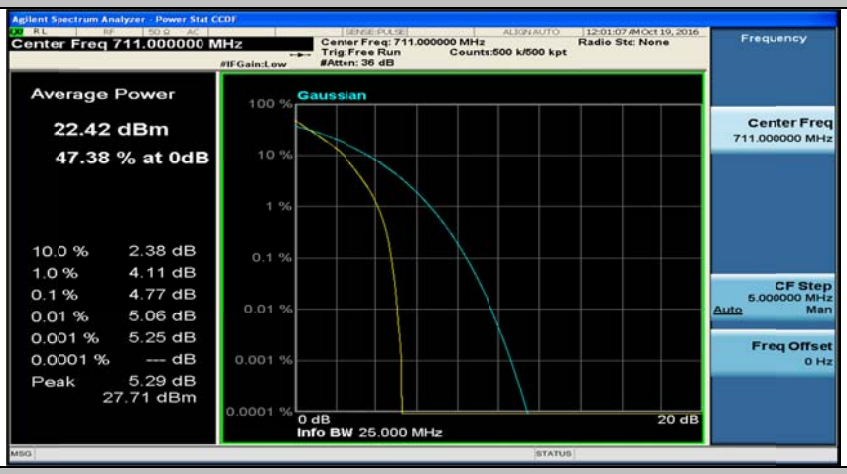

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



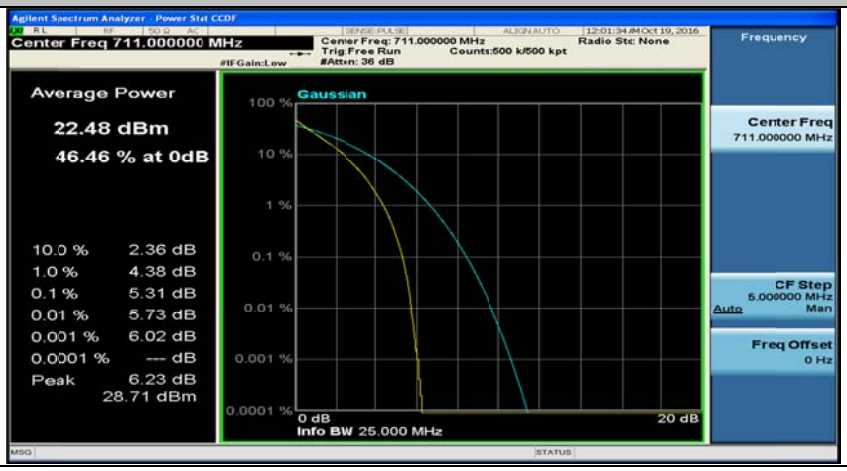

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0


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

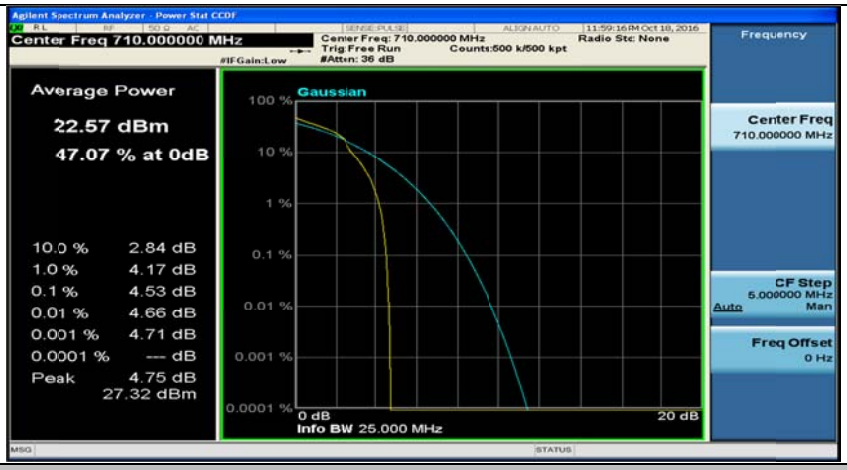

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25


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

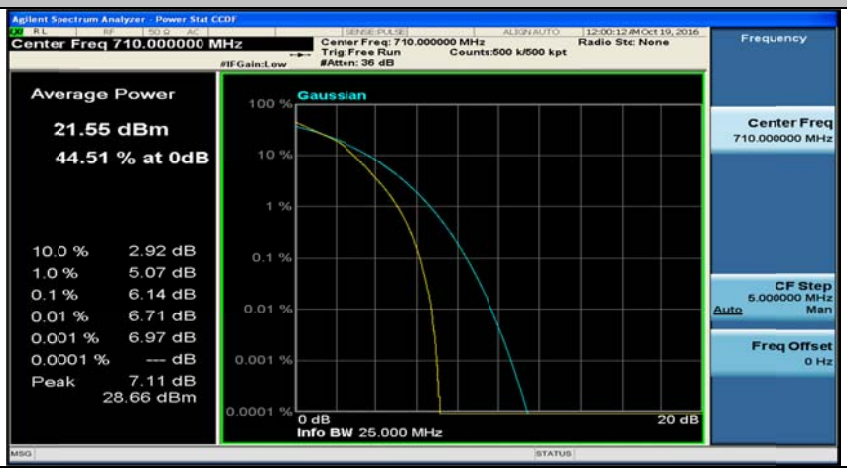



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

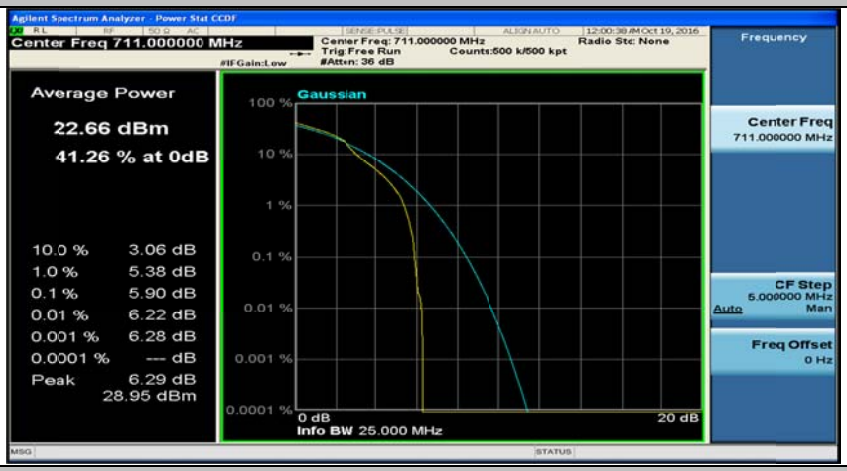

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12


Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

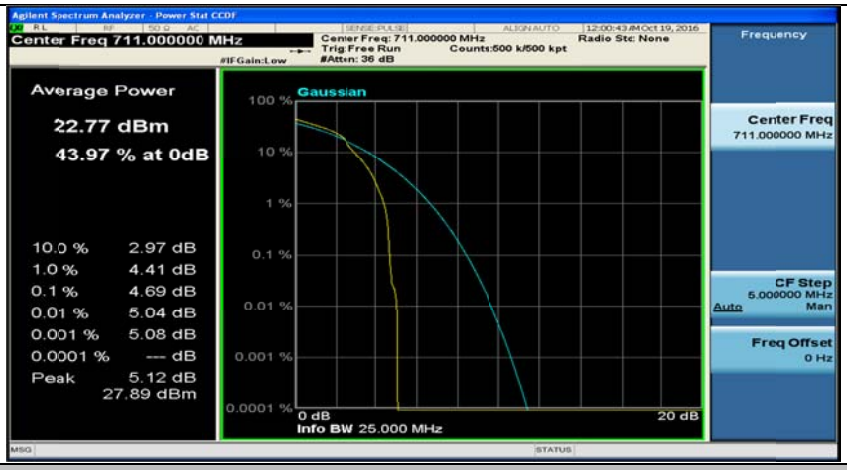

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



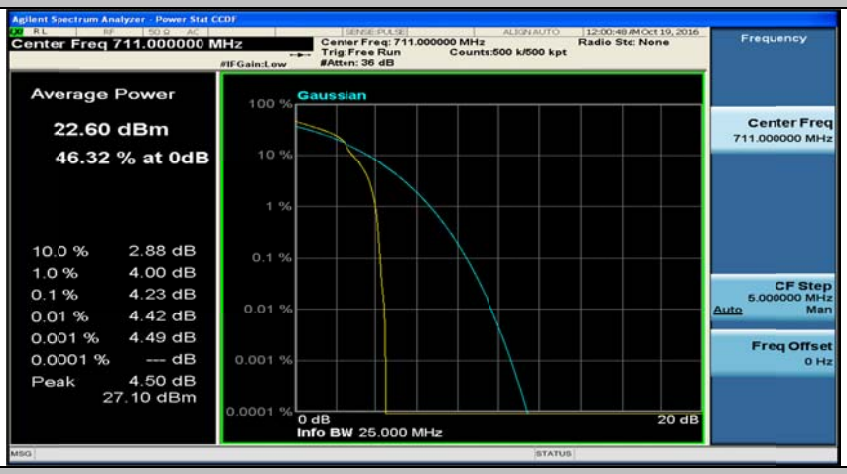

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0




Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



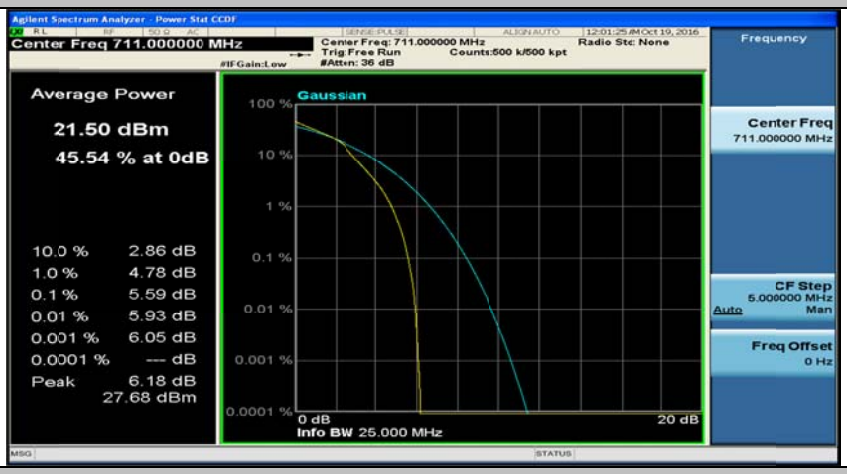

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49




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