

E.2: Peak-to-Average Ratio

| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio (dB) | Limit (dB) | Verdict |
|------------|---------|------------------|--------|-------------------------------|---------------|---------|
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 4.98 | <13 | PASS |
| | | 1 | 3 | 4.75 | <13 | PASS |
| | | 1 | 5 | 4.6 | <13 | PASS |
| | | 3 | 0 | 4.72 | <13 | PASS |
| | | 3 | 2 | 4.62 | <13 | PASS |
| | | 3 | 3 | 4.48 | <13 | PASS |
| | | 6 | 0 | 5.47 | <13 | PASS |
| | MCH | 1 | 0 | 5.72 | <13 | PASS |
| | | 1 | 3 | 5.69 | <13 | PASS |
| | | 1 | 5 | 5.77 | <13 | PASS |
| | | 3 | 0 | 6.09 | <13 | PASS |
| | | 3 | 2 | 6.05 | <13 | PASS |
| | | 3 | 3 | 6.02 | <13 | PASS |
| | | 6 | 0 | 6.45 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 4.39 | <13 | PASS |
| | | 1 | 3 | 4.34 | <13 | PASS |
| | | 1 | 5 | 4.49 | <13 | PASS |
| | | 3 | 0 | 4.45 | <13 | PASS |
| | | 3 | 2 | 4.52 | <13 | PASS |
| | | 3 | 3 | 4.47 | <13 | PASS |
| | | 6 | 0 | 5.18 | <13 | PASS |
| | MCH | 1 | 0 | 5.77 | <13 | PASS |
| | | 1 | 3 | 5.58 | <13 | PASS |
| | | 1 | 5 | 5.48 | <13 | PASS |
| | | 3 | 0 | 5.55 | <13 | PASS |
| | | 3 | 2 | 5.49 | <13 | PASS |
| | | 3 | 3 | 5.41 | <13 | PASS |
| | | 6 | 0 | 6.45 | <13 | PASS |
| | HCH | 1 | 0 | 6.79 | <13 | PASS |
| | | 1 | 3 | 6.75 | <13 | PASS |
| | | 1 | 5 | 6.89 | <13 | PASS |
| | | 3 | 0 | 7.09 | <13 | PASS |
| | | 3 | 2 | 7 | <13 | PASS |
| | | 3 | 3 | 6.96 | <13 | PASS |
| | | 6 | 0 | 7.4 | <13 | PASS |
| | HCH | 1 | 0 | 5.24 | <13 | PASS |
| | | 1 | 3 | 5.44 | <13 | PASS |
| | | 1 | 5 | 5.4 | <13 | PASS |

| | | | | | | |
|--|--|---|---|------|-----|------|
| | | 3 | 0 | 5.12 | <13 | PASS |
| | | 3 | 2 | 5.06 | <13 | PASS |
| | | 3 | 3 | 5.16 | <13 | PASS |
| | | 6 | 0 | 5.87 | <13 | PASS |

| Channel Bandwidth 3 MHz | | | | | | |
|-------------------------|---------|------------------|--------|----------------------------|------------|---------|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 4.88 | <13 | PASS |
| | | 1 | 7 | 4.38 | <13 | PASS |
| | | 1 | 14 | 4.2 | <13 | PASS |
| | | 8 | 0 | 5.41 | <13 | PASS |
| | | 8 | 4 | 5.08 | <13 | PASS |
| | | 8 | 7 | 4.92 | <13 | PASS |
| | | 15 | 0 | 5.17 | <13 | PASS |
| | MCH | 1 | 0 | 6.04 | <13 | PASS |
| | | 1 | 7 | 5.94 | <13 | PASS |
| | | 1 | 14 | 5.47 | <13 | PASS |
| | | 8 | 0 | 6.49 | <13 | PASS |
| | | 8 | 4 | 6.46 | <13 | PASS |
| | | 8 | 7 | 6.44 | <13 | PASS |
| | | 15 | 0 | 6.41 | <13 | PASS |
| | HCH | 1 | 0 | 3.45 | <13 | PASS |
| | | 1 | 7 | 4.06 | <13 | PASS |
| | | 1 | 14 | 4.6 | <13 | PASS |
| | | 8 | 0 | 4.54 | <13 | PASS |
| | | 8 | 4 | 4.89 | <13 | PASS |
| | | 8 | 7 | 5.13 | <13 | PASS |
| | | 15 | 0 | 4.83 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 5.58 | <13 | PASS |
| | | 1 | 7 | 5.19 | <13 | PASS |
| | | 1 | 14 | 5.07 | <13 | PASS |
| | | 8 | 0 | 6.21 | <13 | PASS |
| | | 8 | 4 | 5.89 | <13 | PASS |
| | | 8 | 7 | 5.69 | <13 | PASS |
| | | 15 | 0 | 6.12 | <13 | PASS |
| | MCH | 1 | 0 | 7.07 | <13 | PASS |
| | | 1 | 7 | 6.89 | <13 | PASS |
| | | 1 | 14 | 6.48 | <13 | PASS |
| | | 8 | 0 | 7.12 | <13 | PASS |
| | | 8 | 4 | 7.15 | <13 | PASS |
| | | 8 | 7 | 7.23 | <13 | PASS |
| | | 15 | 0 | 7.36 | <13 | PASS |
| | HCH | 1 | 0 | 4.46 | <13 | PASS |

| | | | | | | |
|--|--|----|----|------|-----|------|
| | | 1 | 7 | 4.9 | <13 | PASS |
| | | 1 | 14 | 5.39 | <13 | PASS |
| | | 8 | 0 | 5.29 | <13 | PASS |
| | | 8 | 4 | 5.58 | <13 | PASS |
| | | 8 | 7 | 5.86 | <13 | PASS |
| | | 15 | 0 | 5.64 | <13 | PASS |

| Channel Bandwidth 5 MHz | | | | | | |
|-------------------------|---------|------------------|--------|----------------------------|------------|---------|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 4.8 | <13 | PASS |
| | | 1 | 12 | 3.98 | <13 | PASS |
| | | 1 | 24 | 4.81 | <13 | PASS |
| | | 12 | 0 | 5.28 | <13 | PASS |
| | | 12 | 6 | 4.95 | <13 | PASS |
| | | 12 | 13 | 5.06 | <13 | PASS |
| | | 25 | 0 | 5.29 | <13 | PASS |
| | MCH | 1 | 0 | 5.56 | <13 | PASS |
| | | 1 | 12 | 5.8 | <13 | PASS |
| | | 1 | 24 | 4.83 | <13 | PASS |
| | | 12 | 0 | 6.38 | <13 | PASS |
| | | 12 | 6 | 6.47 | <13 | PASS |
| | | 12 | 13 | 6.23 | <13 | PASS |
| | | 25 | 0 | 6.37 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 3.9 | <13 | PASS |
| | | 1 | 12 | 3.58 | <13 | PASS |
| | | 1 | 24 | 4.61 | <13 | PASS |
| | | 12 | 0 | 4.47 | <13 | PASS |
| | | 12 | 6 | 4.41 | <13 | PASS |
| | | 12 | 13 | 4.97 | <13 | PASS |
| | | 25 | 0 | 4.86 | <13 | PASS |
| | MCH | 1 | 0 | 5.59 | <13 | PASS |
| | | 1 | 12 | 4.91 | <13 | PASS |
| | | 1 | 24 | 5.63 | <13 | PASS |
| | | 12 | 0 | 6.15 | <13 | PASS |
| | | 12 | 6 | 5.82 | <13 | PASS |
| | | 12 | 13 | 5.86 | <13 | PASS |
| | | 25 | 0 | 6.09 | <13 | PASS |

| | | | | | | |
|--|-----|----|----|------|-----|------|
| | HCH | 25 | 0 | 7.09 | <13 | PASS |
| | | 1 | 0 | 4.61 | <13 | PASS |
| | | 1 | 12 | 4.29 | <13 | PASS |
| | | 1 | 24 | 5.28 | <13 | PASS |
| | | 12 | 0 | 5.45 | <13 | PASS |
| | | 12 | 6 | 5.39 | <13 | PASS |
| | | 12 | 13 | 5.86 | <13 | PASS |
| | | 25 | 0 | 5.67 | <13 | PASS |

| Channel Bandwidth 10 MHz | | | | | | |
|--------------------------|---------|------------------|--------|----------------------------|------------|---------|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 4.74 | <13 | PASS |
| | | 1 | 24 | 4.98 | <13 | PASS |
| | | 1 | 49 | 5.73 | <13 | PASS |
| | | 25 | 0 | 5.24 | <13 | PASS |
| | | 25 | 12 | 5.61 | <13 | PASS |
| | | 25 | 25 | 6.39 | <13 | PASS |
| | | 50 | 0 | 5.9 | <13 | PASS |
| | MCH | 1 | 0 | 4.63 | <13 | PASS |
| | | 1 | 24 | 6.05 | <13 | PASS |
| | | 1 | 49 | 3.66 | <13 | PASS |
| | | 25 | 0 | 6.06 | <13 | PASS |
| | | 25 | 12 | 6.37 | <13 | PASS |
| | | 25 | 25 | 5.52 | <13 | PASS |
| | | 50 | 0 | 5.66 | <13 | PASS |
| | HCH | 1 | 0 | 5.64 | <13 | PASS |
| | | 1 | 24 | 3.88 | <13 | PASS |
| | | 1 | 49 | 4.32 | <13 | PASS |
| | | 25 | 0 | 6.12 | <13 | PASS |
| | | 25 | 12 | 5.17 | <13 | PASS |
| | | 25 | 25 | 4.97 | <13 | PASS |
| | | 50 | 0 | 5.57 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 5.57 | <13 | PASS |
| | | 1 | 24 | 5.88 | <13 | PASS |
| | | 1 | 49 | 6.47 | <13 | PASS |
| | | 25 | 0 | 5.96 | <13 | PASS |
| | | 25 | 12 | 6.41 | <13 | PASS |
| | | 25 | 25 | 7.18 | <13 | PASS |
| | | 50 | 0 | 6.58 | <13 | PASS |
| | MCH | 1 | 0 | 5.54 | <13 | PASS |
| | | 1 | 24 | 7.02 | <13 | PASS |
| | | 1 | 49 | 4.65 | <13 | PASS |
| | | 25 | 0 | 6.93 | <13 | PASS |

| | | | | | |
|-----|----|----|------|-----|------|
| HCH | 25 | 12 | 7.19 | <13 | PASS |
| | 25 | 25 | 6.42 | <13 | PASS |
| | 50 | 0 | 6.52 | <13 | PASS |
| | 1 | 0 | 6.73 | <13 | PASS |
| | 1 | 24 | 4.75 | <13 | PASS |
| | 1 | 49 | 5.16 | <13 | PASS |
| | 25 | 0 | 6.95 | <13 | PASS |
| | 25 | 12 | 6.01 | <13 | PASS |
| | 25 | 25 | 5.72 | <13 | PASS |
| | 50 | 0 | 6.3 | <13 | PASS |

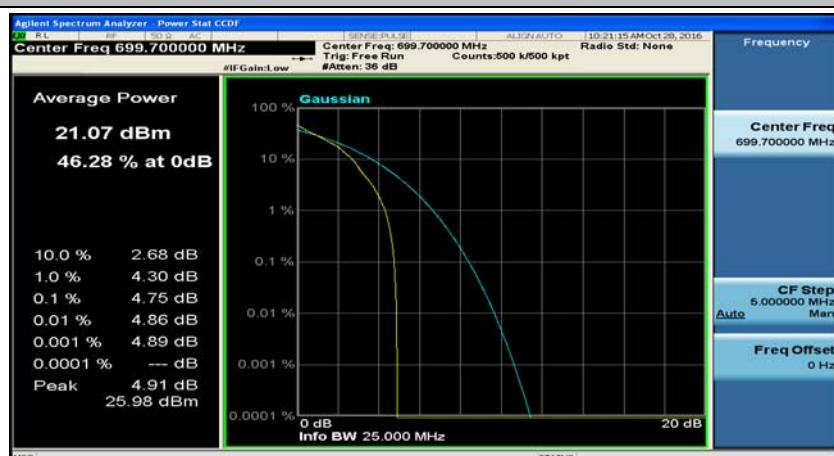
Test Graphs

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)_LCH_QPSK_3RB#0



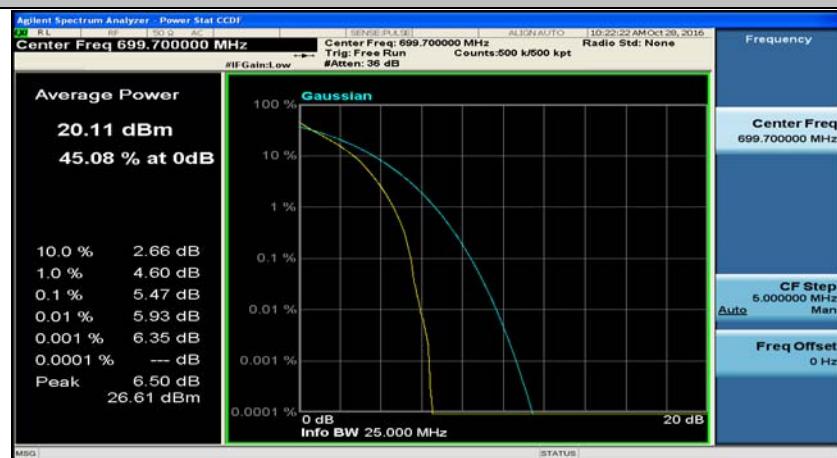
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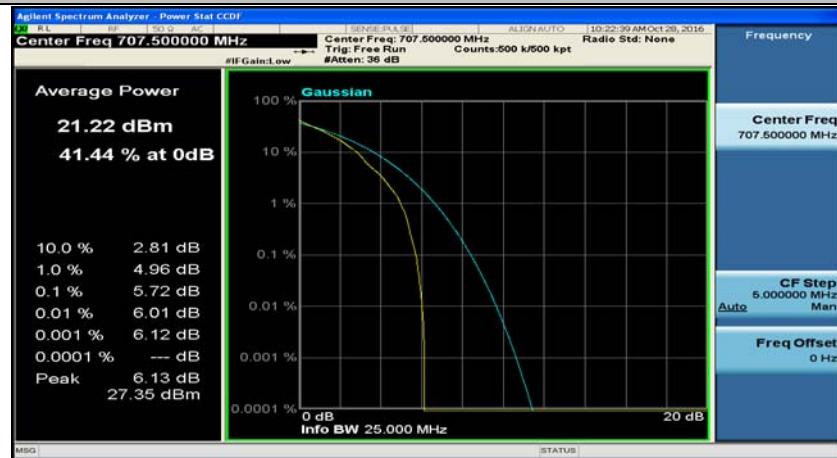
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



(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)_MCH_QPSK_3RB#0



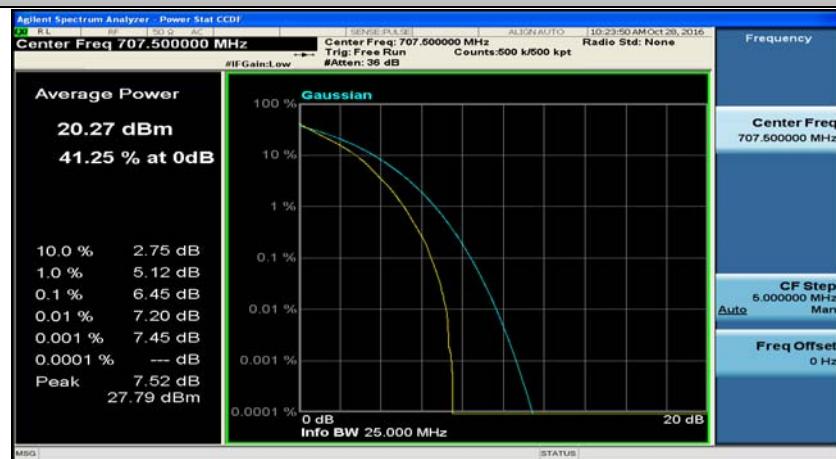
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(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



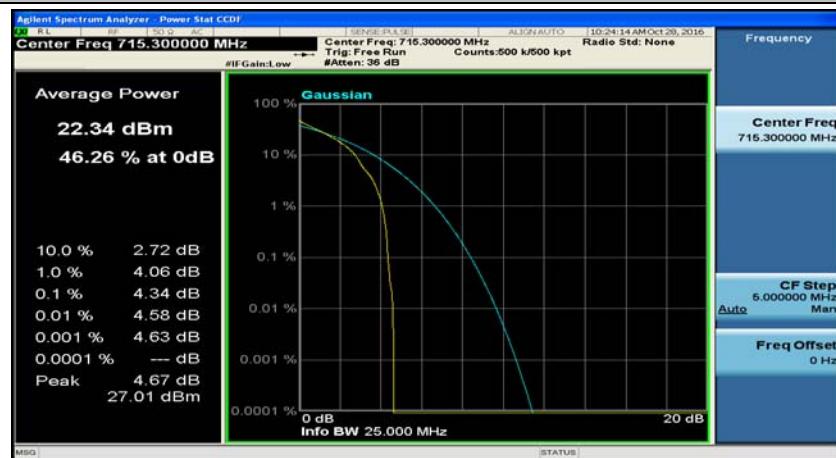
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(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



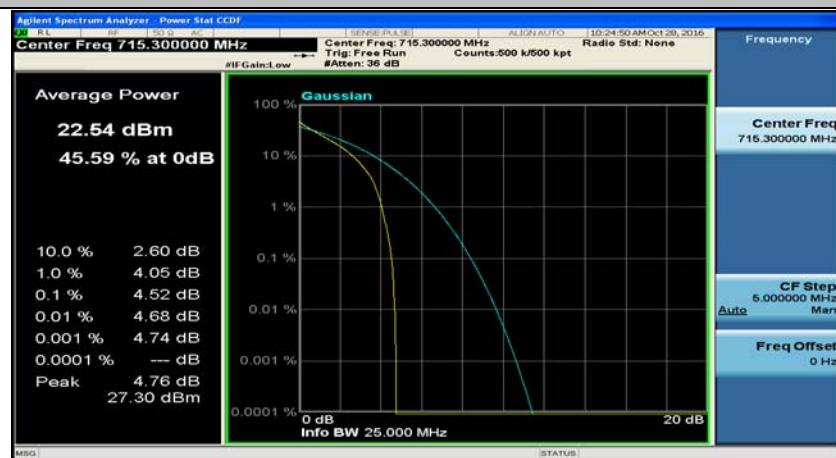
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



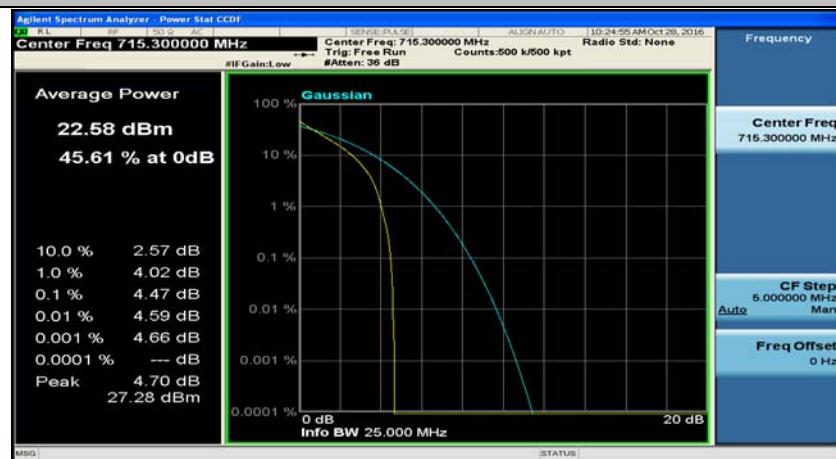
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



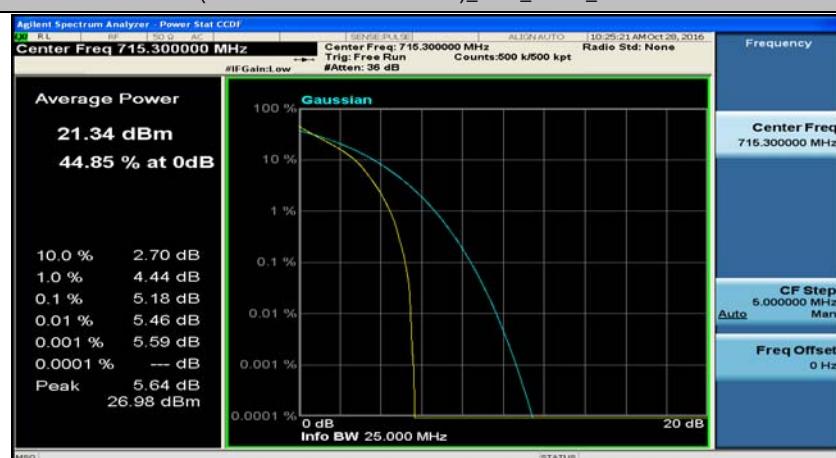
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



(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)_LCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



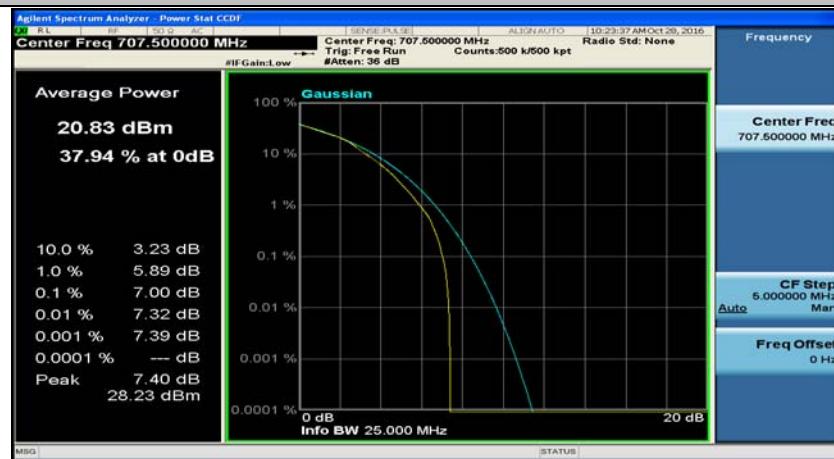
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



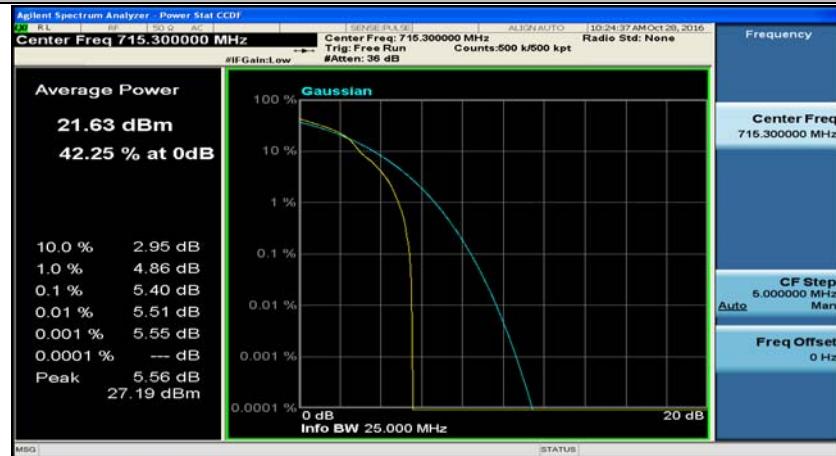
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(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



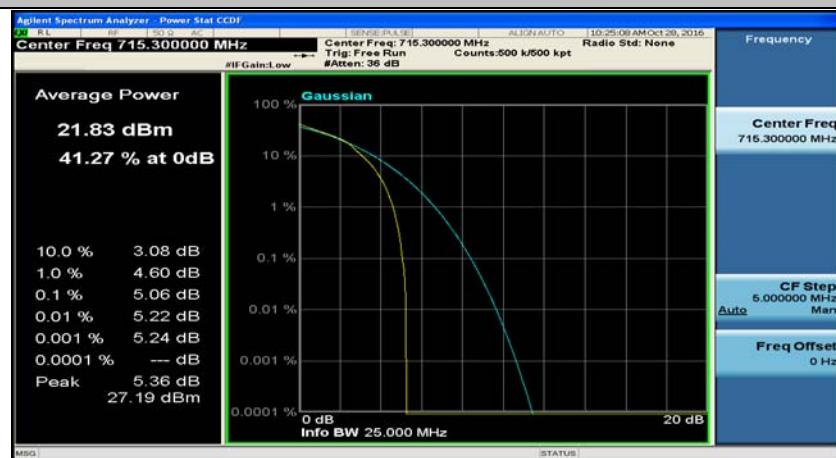
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



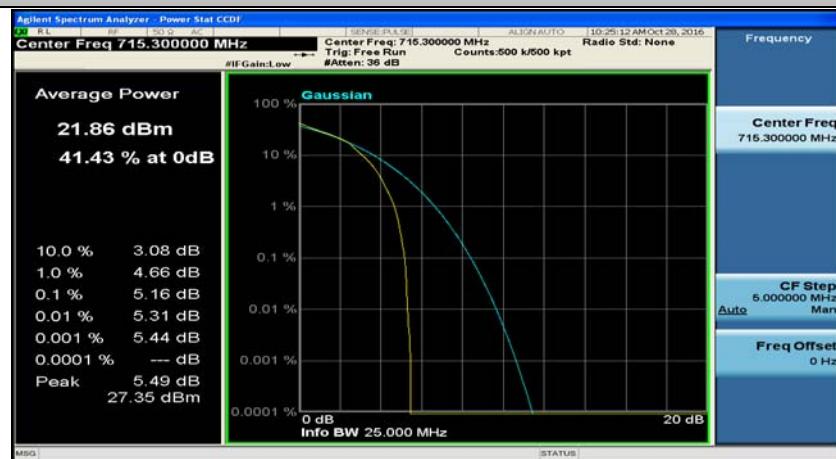
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



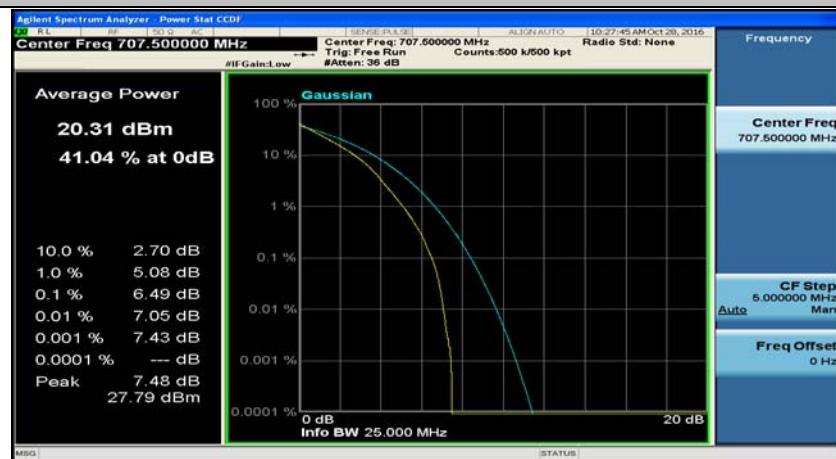
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(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



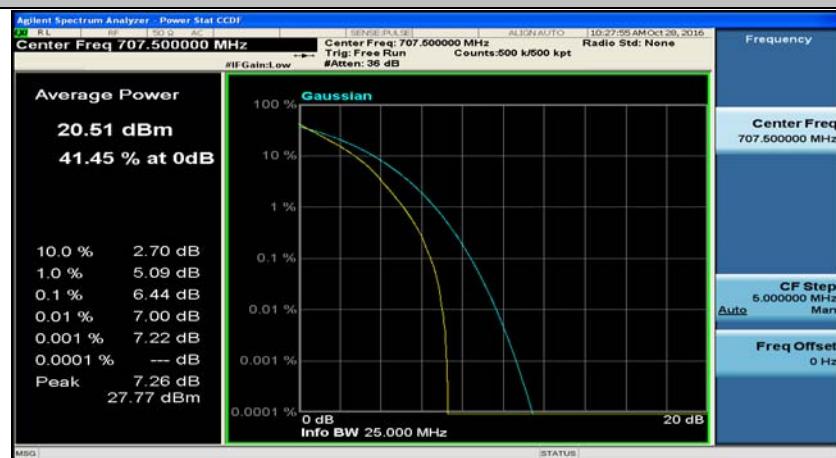
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



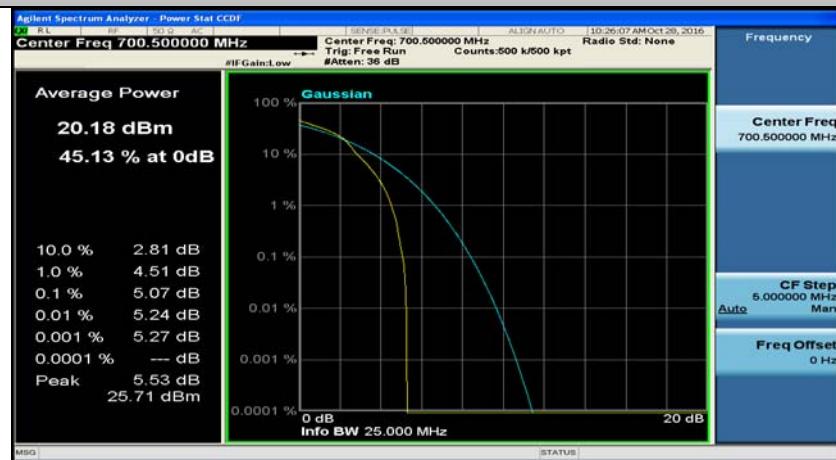
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



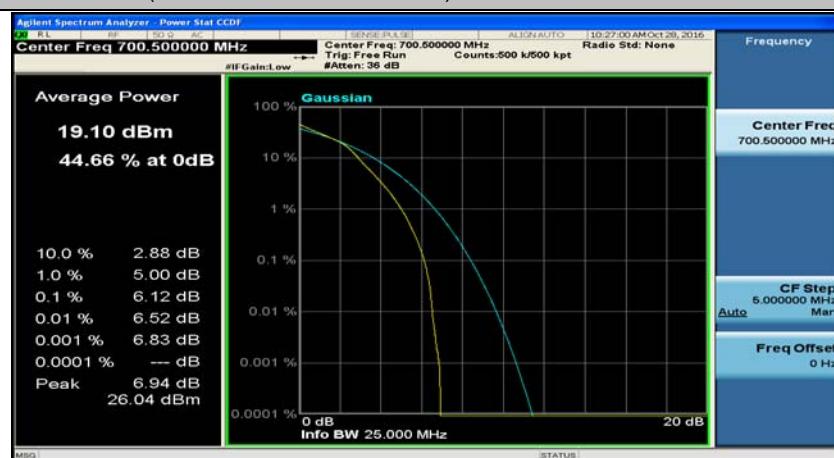
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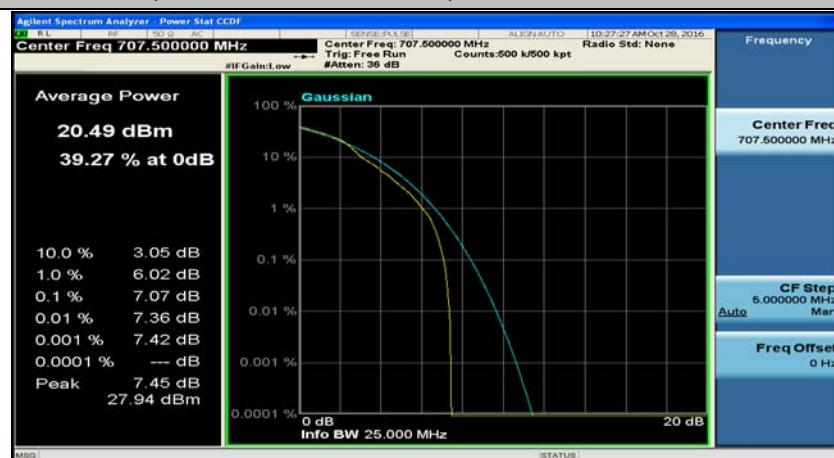
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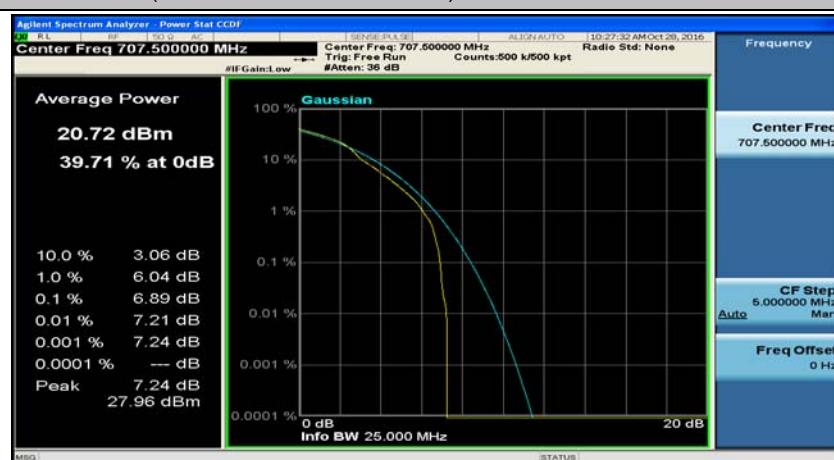
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



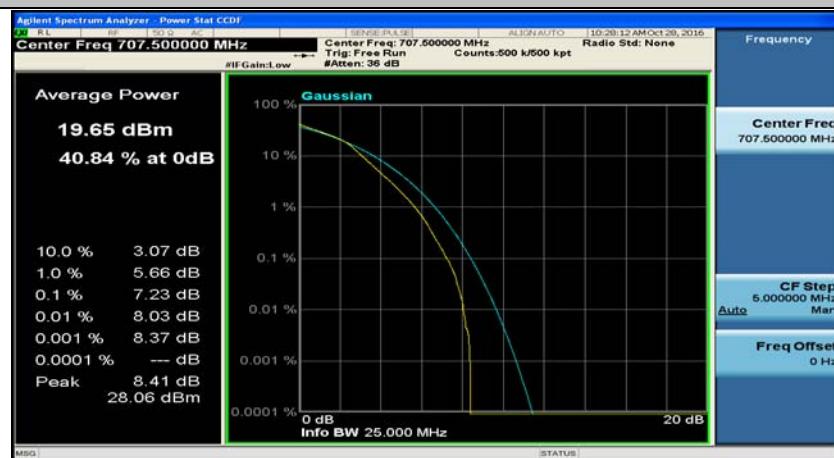
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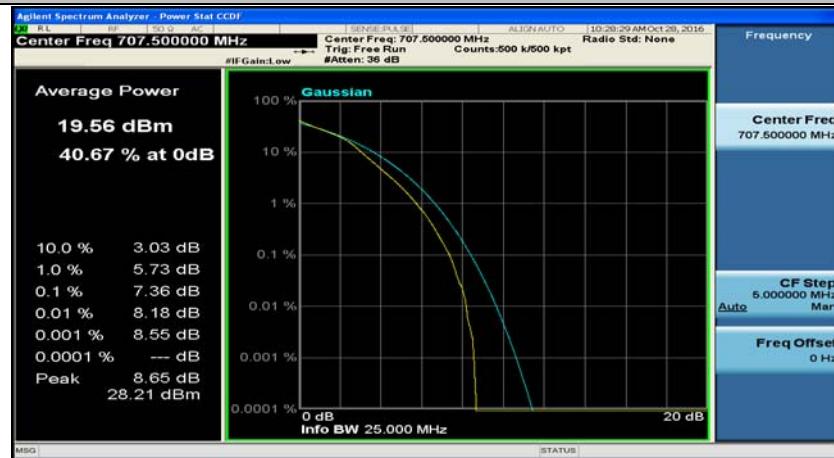
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



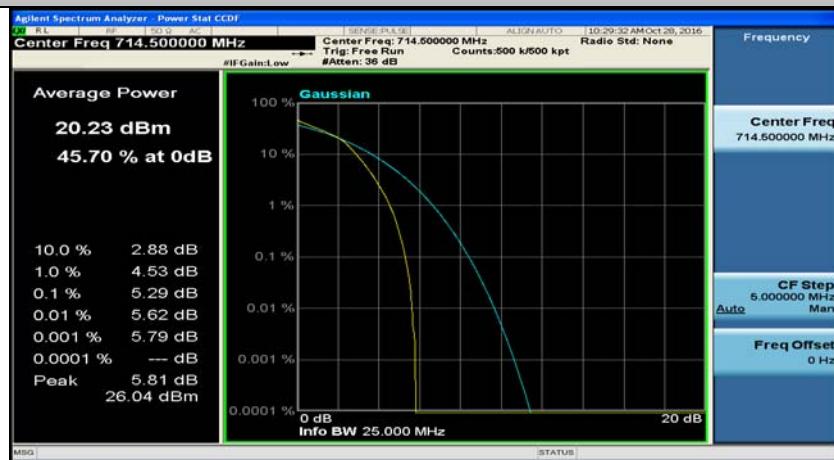
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

