

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 | 24.67 | PASS |
| | | 1 | 12 | 23.71 | PASS |
| | | 1 | 24 | 23.05 | PASS |
| | | 12 | 0 | 22.63 | PASS |
| | | 12 | 6 | 22.45 | PASS |
| | | 12 | 13 | 22.96 | PASS |
| | | 25 | 0 | 22.72 | PASS |
| | MCH | 1 | 0 | 24.53 | PASS |
| | | 1 | 12 | 23.76 | PASS |
| | | 1 | 24 | 23.23 | PASS |
| | | 12 | 0 | 23.91 | PASS |
| | | 12 | 6 | 24.61 | PASS |
| | | 12 | 13 | 23.13 | PASS |
| | | 25 | 0 | 24.59 | PASS |
| | HCH | 1 | 0 | 23.38 | PASS |
| | | 1 | 12 | 24.89 | PASS |
| | | 1 | 24 | 24.23 | PASS |
| | | 12 | 0 | 23.10 | PASS |
| | | 12 | 6 | 24.08 | PASS |
| | | 12 | 13 | 23.24 | PASS |
| | | 25 | 0 | 24.19 | PASS |
| 16QAM | LCH | 1 | 0 | 23.93 | PASS |
| | | 1 | 12 | 23.01 | PASS |
| | | 1 | 24 | 24.49 | PASS |
| | | 12 | 0 | 21.83 | PASS |
| | | 12 | 6 | 21.67 | PASS |
| | | 12 | 13 | 22.21 | PASS |
| | | 25 | 0 | 21.81 | PASS |
| | MCH | 1 | 0 | 23.77 | PASS |
| | | 1 | 12 | 24.88 | PASS |
| | | 1 | 24 | 23.46 | PASS |
| | | 12 | 0 | 22.98 | PASS |
| | | 12 | 6 | 23.69 | PASS |

| | | | | | |
|--|-----|----|----|-------|------|
| | | 12 | 13 | 24.30 | PASS |
| | | 25 | 0 | 23.67 | PASS |
| | HCH | 1 | 0 | 23.59 | PASS |
| | | 1 | 12 | 24.15 | PASS |
| | | 1 | 24 | 23.56 | PASS |
| | | 12 | 0 | 24.24 | PASS |
| | | 12 | 6 | 23.24 | PASS |
| | | 12 | 13 | 22.30 | PASS |
| | | 25 | 0 | 23.37 | PASS |

Channel Bandwidth: 10 MHz

| Modulation | Channel | RB Configuration | | Average Power [dBm] | Verdict |
|------------|---------|------------------|--------|---------------------|---------|
| | | Size | Offset | | |
| QPSK | LCH | 1 | 0 | 24.03 | PASS |
| | | 1 | 24 | 24.90 | PASS |
| | | 1 | 49 | 23.06 | PASS |
| | | 25 | 0 | 22.88 | PASS |
| | | 25 | 12 | 23.94 | PASS |
| | | 25 | 25 | 24.81 | PASS |
| | | 50 | 0 | 23.98 | PASS |
| | MCH | 1 | 0 | 23.64 | PASS |
| | | 1 | 24 | 23.73 | PASS |
| | | 1 | 49 | 24.16 | PASS |
| | | 25 | 0 | 23.32 | PASS |
| | | 25 | 12 | 24.49 | PASS |
| | | 25 | 25 | 24.59 | PASS |
| | | 50 | 0 | 24.06 | PASS |
| | HCH | 1 | 0 | 23.76 | PASS |
| | | 1 | 24 | 23.35 | PASS |
| | | 1 | 49 | 23.99 | PASS |
| | | 25 | 0 | 23.95 | PASS |
| | | 25 | 12 | 24.77 | PASS |
| | | 25 | 25 | 24.16 | PASS |
| | | 50 | 0 | 24.12 | PASS |
| 16QAM | LCH | 1 | 0 | 23.41 | PASS |
| | | 1 | 24 | 24.21 | PASS |
| | | 1 | 49 | 24.49 | PASS |
| | | 25 | 0 | 21.96 | PASS |
| | | 25 | 12 | 23.01 | PASS |
| | | 25 | 25 | 23.93 | PASS |
| | | 50 | 0 | 23.05 | PASS |
| | MCH | 1 | 0 | 23.05 | PASS |

| | | | | | |
|--|-----|----|----|-------|------|
| | | 1 | 24 | 23.03 | PASS |
| | | 1 | 49 | 23.61 | PASS |
| | | 25 | 0 | 22.38 | PASS |
| | | 25 | 12 | 23.57 | PASS |
| | | 25 | 25 | 23.75 | PASS |
| | | 50 | 0 | 23.13 | PASS |
| | HCH | 1 | 0 | 23.29 | PASS |
| | | 1 | 24 | 22.80 | PASS |
| | | 1 | 49 | 23.54 | PASS |
| | | 25 | 0 | 23.03 | PASS |
| | | 25 | 12 | 23.87 | PASS |
| | | 25 | 25 | 23.34 | PASS |
| | | 50 | 0 | 23.22 | 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 [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 6.16 | <13 | PASS |
| | | 1 | 12 | 6.34 | <13 | PASS |
| | | 1 | 24 | 6.35 | <13 | PASS |
| | | 12 | 0 | 6.41 | <13 | PASS |
| | | 12 | 6 | 6.46 | <13 | PASS |
| | | 12 | 13 | 6.42 | <13 | PASS |
| | | 25 | 0 | 6.48 | <13 | PASS |
| | MCH | 1 | 0 | 6.84 | <13 | PASS |
| | | 1 | 12 | 6.5 | <13 | PASS |
| | | 1 | 24 | 5.75 | <13 | PASS |
| | | 12 | 0 | 6.62 | <13 | PASS |
| | | 12 | 6 | 6.47 | <13 | PASS |
| | | 12 | 13 | 6.14 | <13 | PASS |
| | | 25 | 0 | 6.21 | <13 | PASS |
| | HCH | 1 | 0 | 5.81 | <13 | PASS |
| | | 1 | 12 | 5.94 | <13 | PASS |
| | | 1 | 24 | 6.55 | <13 | PASS |
| | | 12 | 0 | 6.11 | <13 | PASS |
| | | 12 | 6 | 6.18 | <13 | PASS |
| | | 12 | 13 | 6.42 | <13 | PASS |
| | | 25 | 0 | 6.23 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 7.13 | <13 | PASS |
| | | 1 | 12 | 7.26 | <13 | PASS |
| | | 1 | 24 | 7.5 | <13 | PASS |
| | | 12 | 0 | 7.13 | <13 | PASS |
| | | 12 | 6 | 7.16 | <13 | PASS |
| | | 12 | 13 | 7.26 | <13 | PASS |
| | | 25 | 0 | 7.12 | <13 | PASS |
| | MCH | 1 | 0 | 7.39 | <13 | PASS |
| | | 1 | 12 | 7.11 | <13 | PASS |
| | | 1 | 24 | 6.38 | <13 | PASS |
| | | 12 | 0 | 7.57 | <13 | PASS |
| | | 12 | 6 | 7.36 | <13 | PASS |

| | | | | | | |
|--|-----|----|----|------|-----|------|
| | | 12 | 13 | 7.12 | <13 | PASS |
| | | 25 | 0 | 6.95 | <13 | PASS |
| | HCH | 1 | 0 | 7.03 | <13 | PASS |
| | | 1 | 12 | 7.42 | <13 | PASS |
| | | 1 | 24 | 8.21 | <13 | PASS |
| | | 12 | 0 | 6.81 | <13 | PASS |
| | | 12 | 6 | 6.8 | <13 | PASS |
| | | 12 | 13 | 7 | <13 | PASS |
| | | 25 | 0 | 6.86 | <13 | PASS |

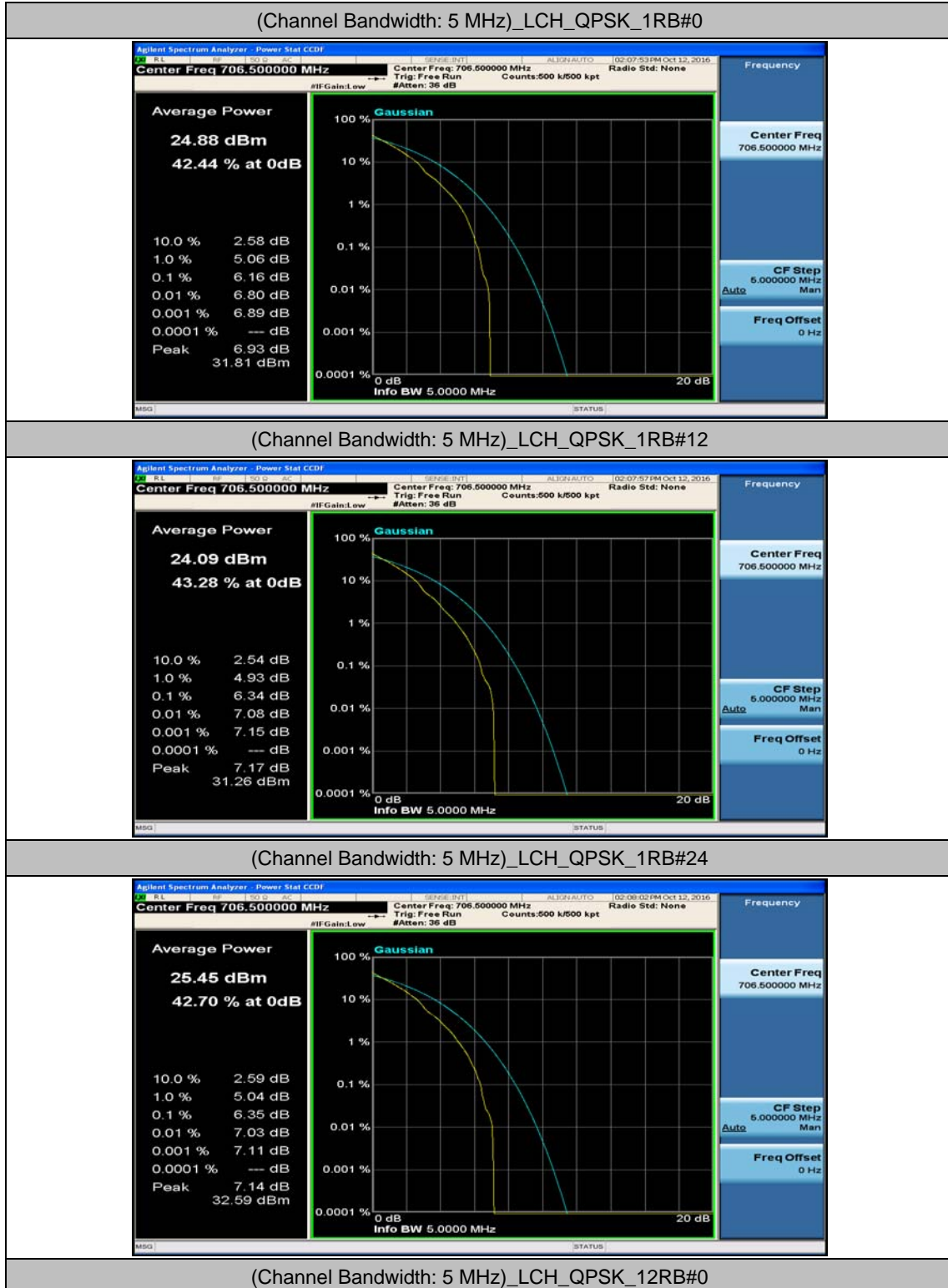
Channel Bandwidth: 10 MHz

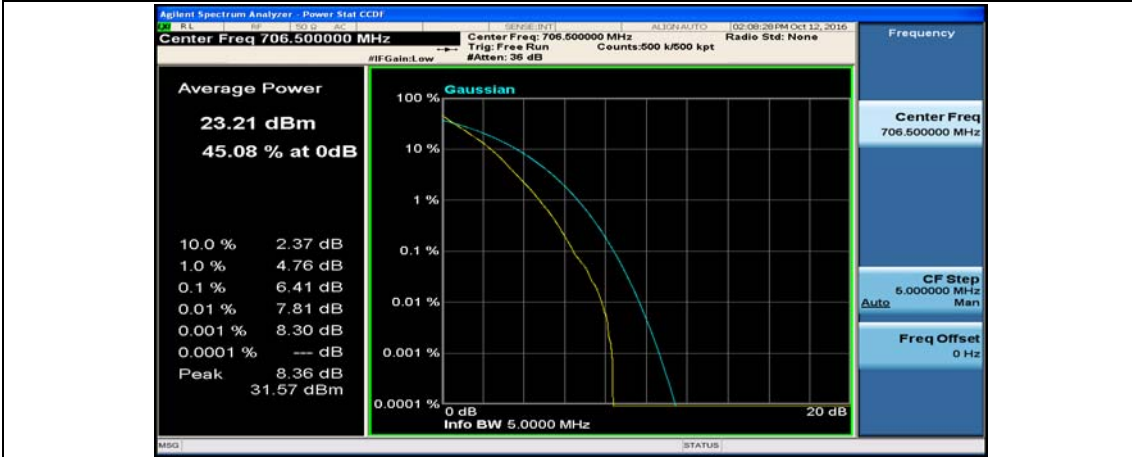
| Channel Bandwidth: 10 MHz | | | | | | |
|---------------------------|---------|------------------|--------|-------------------------------|---------------|---------|
| Modulation | Channel | RB Configuration | | Peak-to-Average Ratio [dB] | Limit [dB] | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 1 | 0 | 6.69 | <13 | PASS |
| | | 1 | 24 | 6.76 | <13 | PASS |
| | | 1 | 49 | 6.08 | <13 | PASS |
| | | 25 | 0 | 6.52 | <13 | PASS |
| | | 25 | 12 | 6.51 | <13 | PASS |
| | | 25 | 25 | 6.06 | <13 | PASS |
| | | 50 | 0 | 6.01 | <13 | PASS |
| | MCH | 1 | 0 | 6.81 | <13 | PASS |
| | | 1 | 24 | 6.35 | <13 | PASS |
| | | 1 | 49 | 6.31 | <13 | PASS |
| | | 25 | 0 | 6.52 | <13 | PASS |
| | | 25 | 12 | 6.25 | <13 | PASS |
| | | 25 | 25 | 6.04 | <13 | PASS |
| | | 50 | 0 | 5.8 | <13 | PASS |
| | HCH | 1 | 0 | 6.17 | <13 | PASS |
| | | 1 | 24 | 5.84 | <13 | PASS |
| | | 1 | 49 | 6.04 | <13 | PASS |
| | | 25 | 0 | 6.44 | <13 | PASS |
| | | 25 | 12 | 6.09 | <13 | PASS |
| | | 25 | 25 | 6.27 | <13 | PASS |
| | | 50 | 0 | 5.79 | <13 | PASS |
| 16QAM | LCH | 1 | 0 | 7.66 | <13 | PASS |
| | | 1 | 24 | 7.78 | <13 | PASS |
| | | 1 | 49 | 6.85 | <13 | PASS |
| | | 25 | 0 | 7.29 | <13 | PASS |
| | | 25 | 12 | 7.16 | <13 | PASS |
| | | 25 | 25 | 6.9 | <13 | PASS |

| | | | | | | |
|--|-----|-----|----|------|------|------|
| | | 50 | 0 | 6.69 | <13 | PASS |
| | MCH | 1 | 0 | 7.86 | <13 | PASS |
| | | 1 | 24 | 7.44 | <13 | PASS |
| | | 1 | 49 | 7.54 | <13 | PASS |
| | | 25 | 0 | 7.32 | <13 | PASS |
| | | 25 | 12 | 7.13 | <13 | PASS |
| | | 25 | 25 | 6.92 | <13 | PASS |
| | | 50 | 0 | 6.64 | <13 | PASS |
| | | HCH | 1 | 0 | 7.41 | <13 |
| | 1 | | 24 | 6.8 | <13 | PASS |
| | 1 | | 49 | 7.19 | <13 | PASS |
| | 25 | | 0 | 7.21 | <13 | PASS |
| | 25 | | 12 | 6.94 | <13 | PASS |
| | 25 | | 25 | 7.03 | <13 | PASS |
| | 50 | | 0 | 6.59 | <13 | PASS |

Test Graphs

Channel Bandwidth: 5 MHz

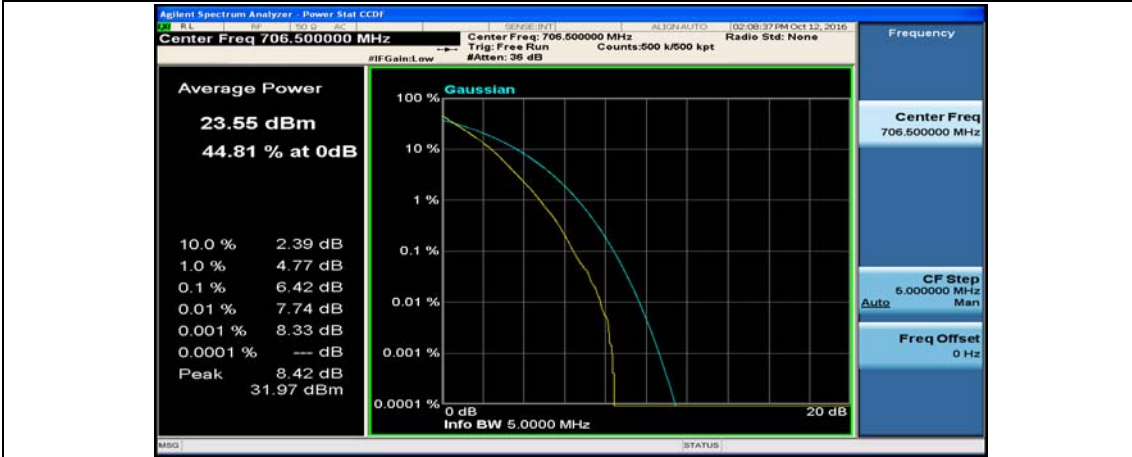




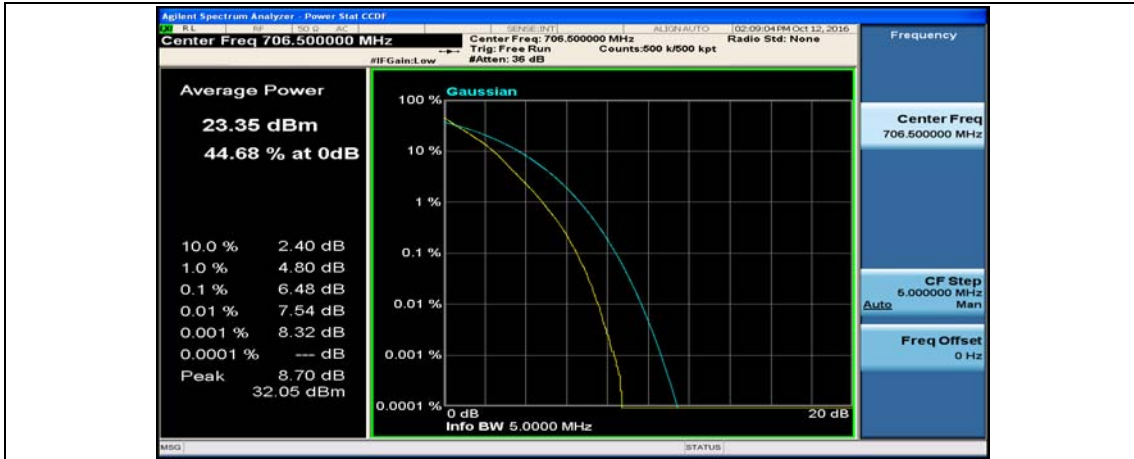
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



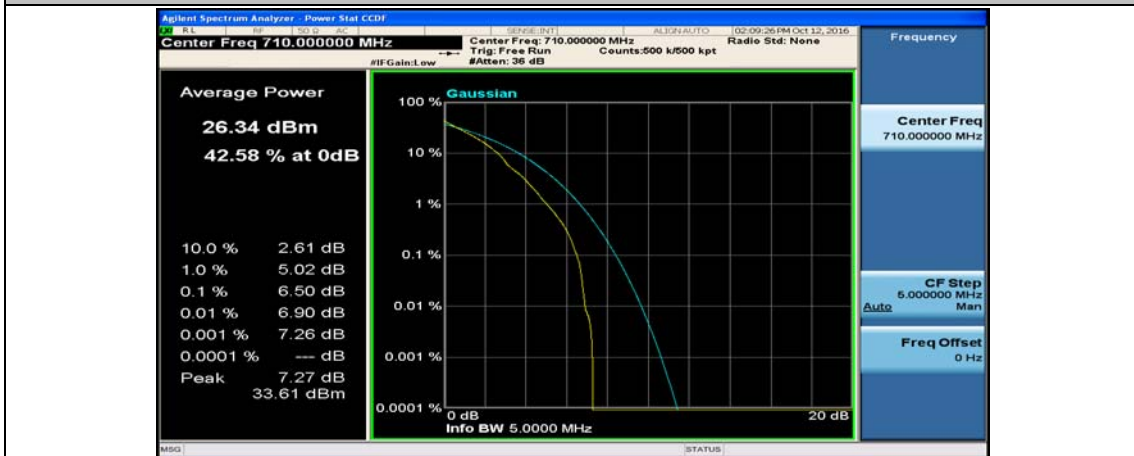
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



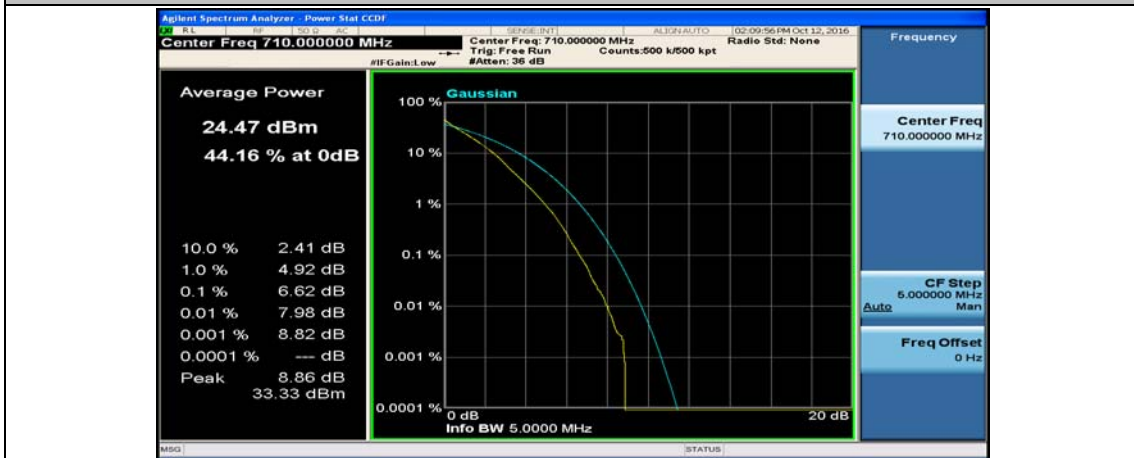
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



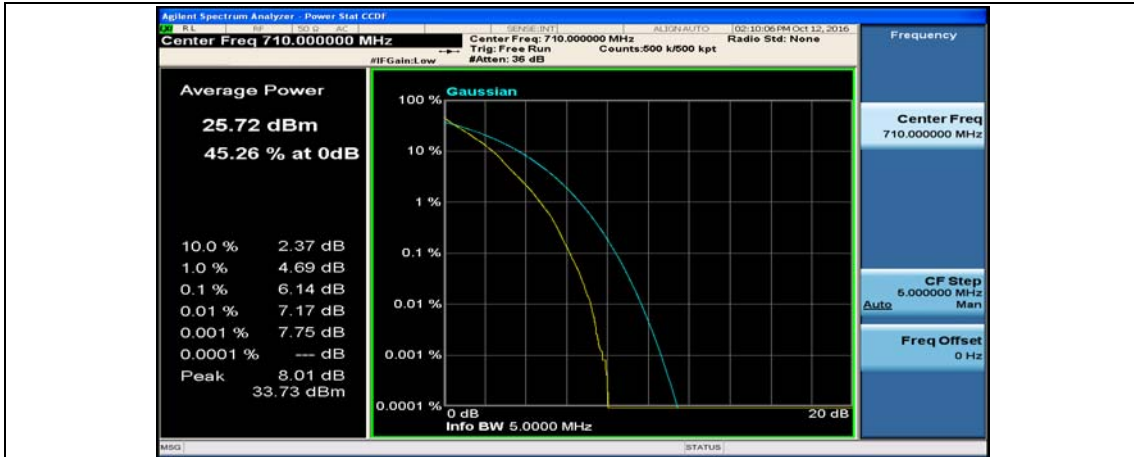
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



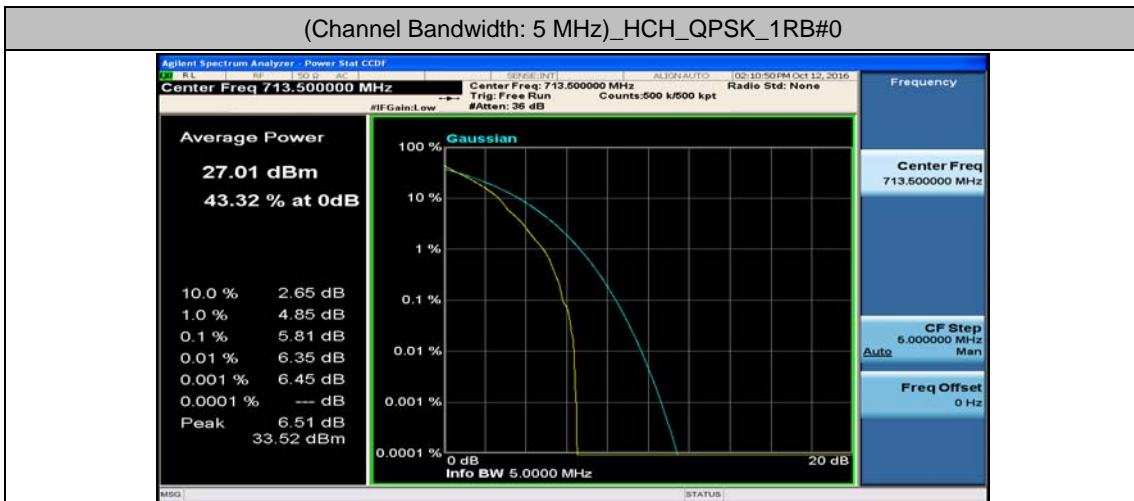
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(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



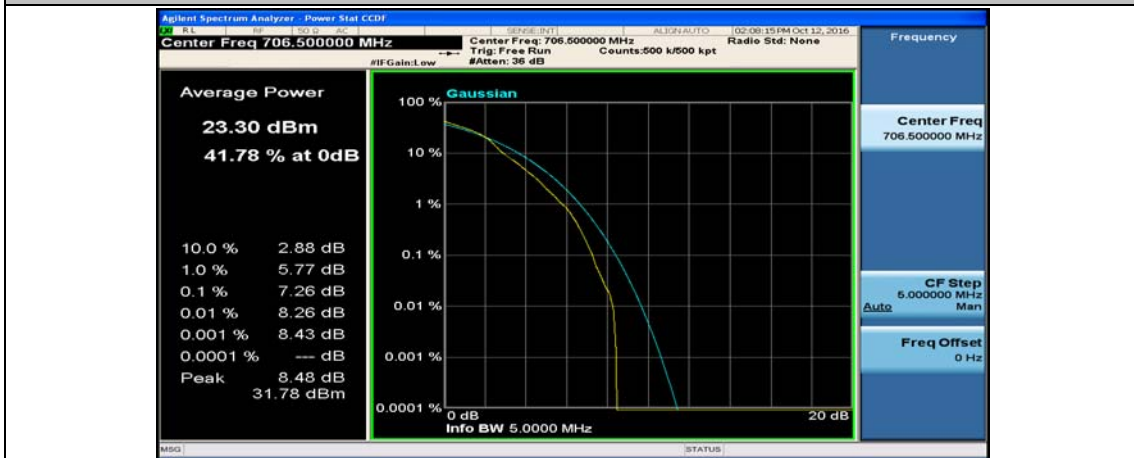
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(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



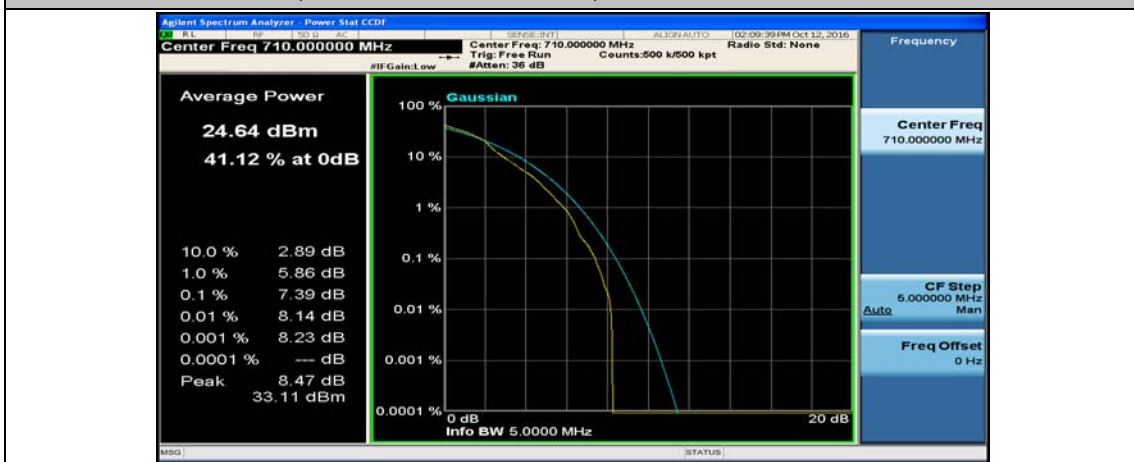
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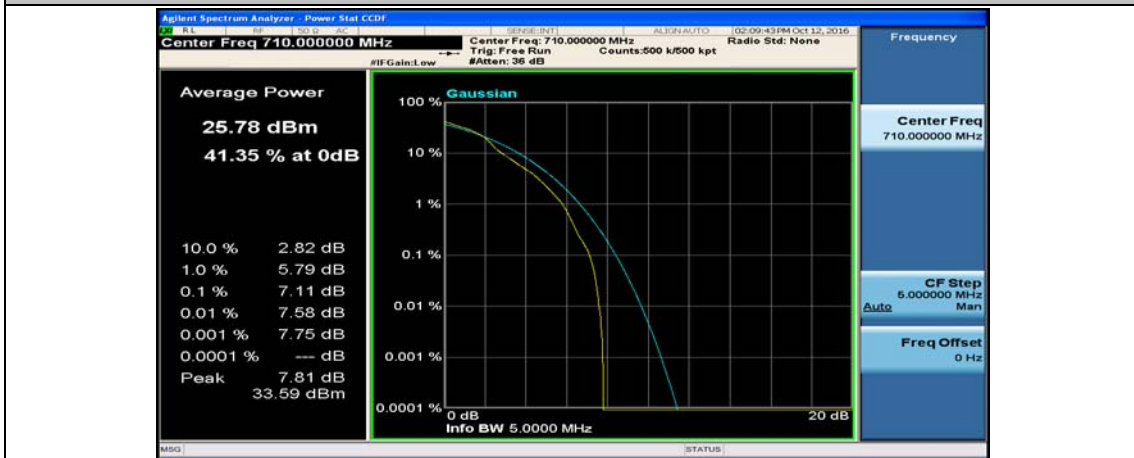
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



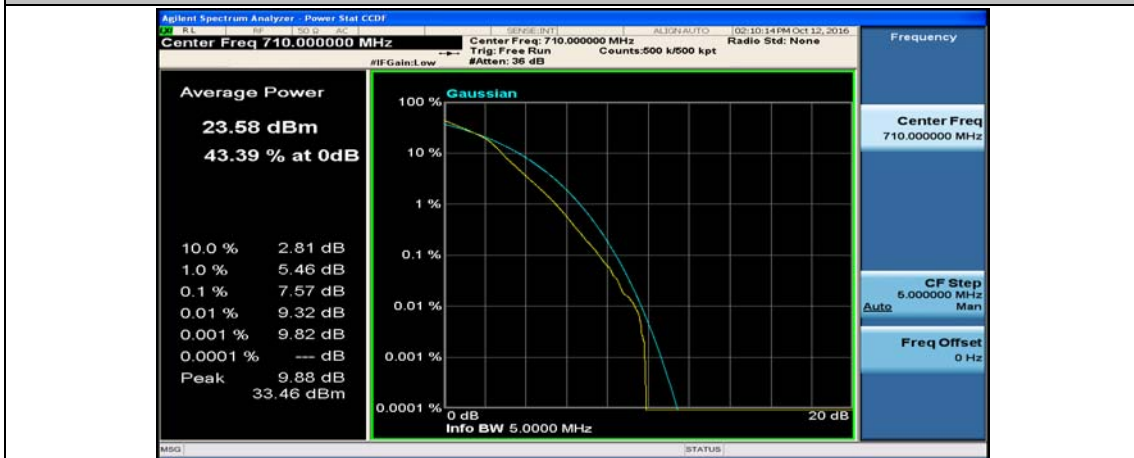
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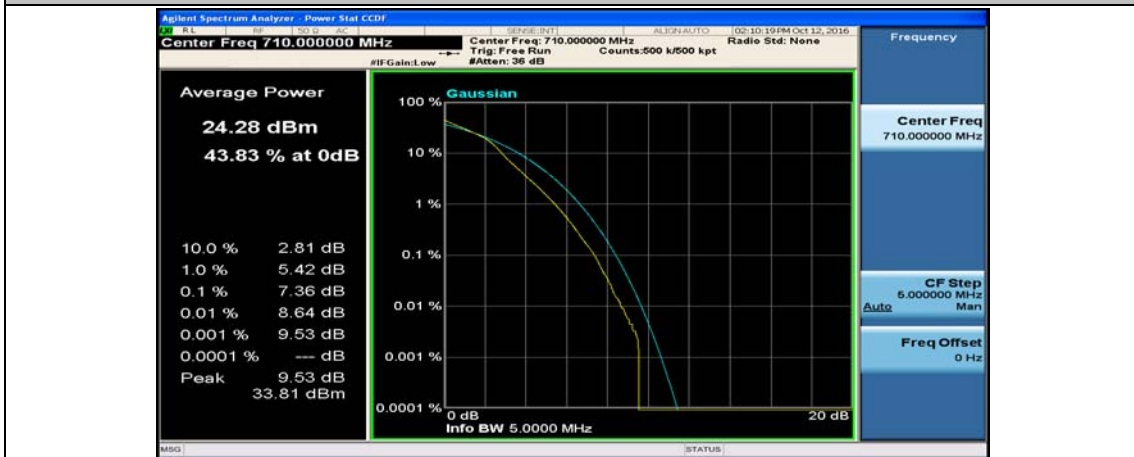
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(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



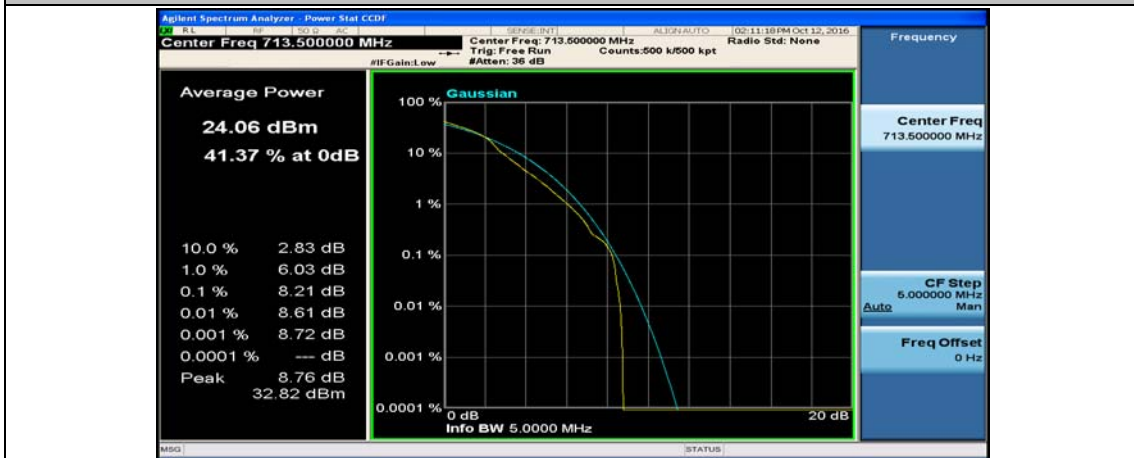
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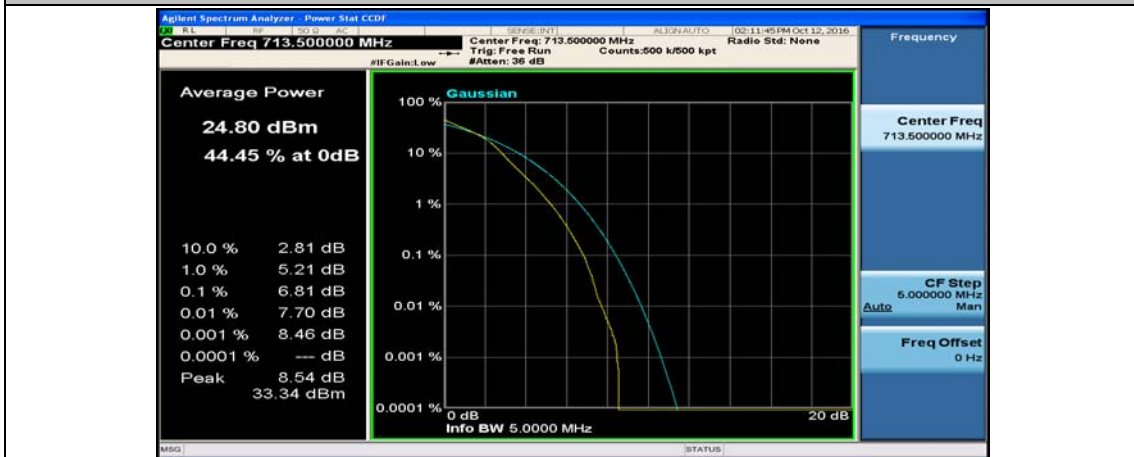
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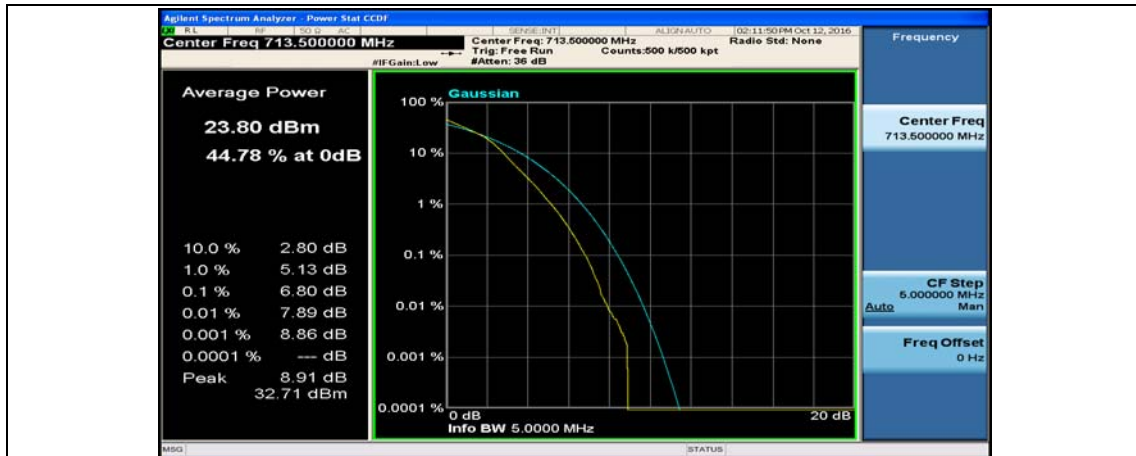
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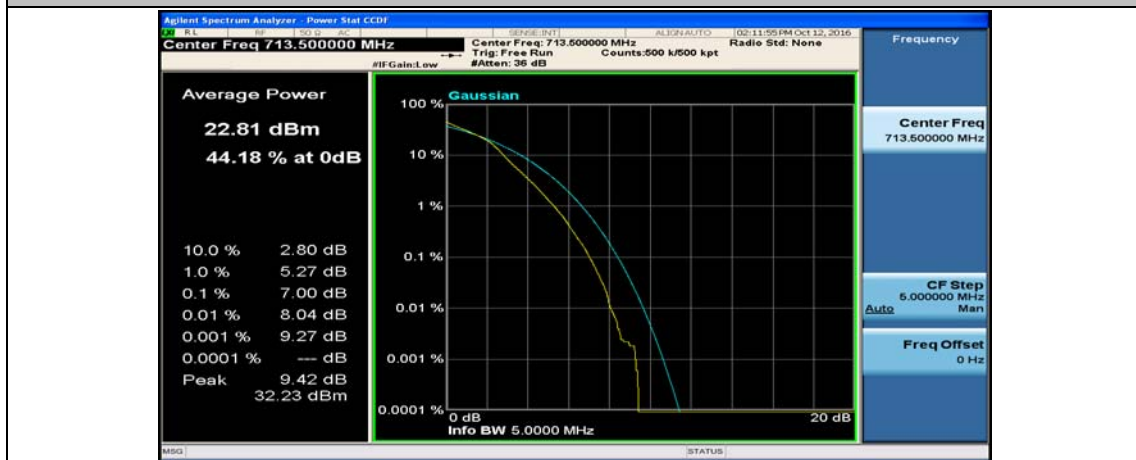
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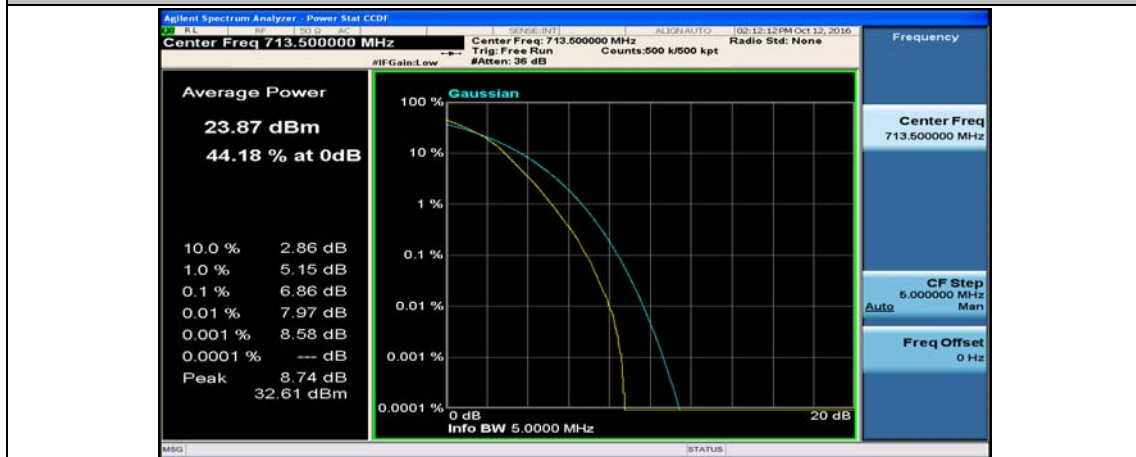
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



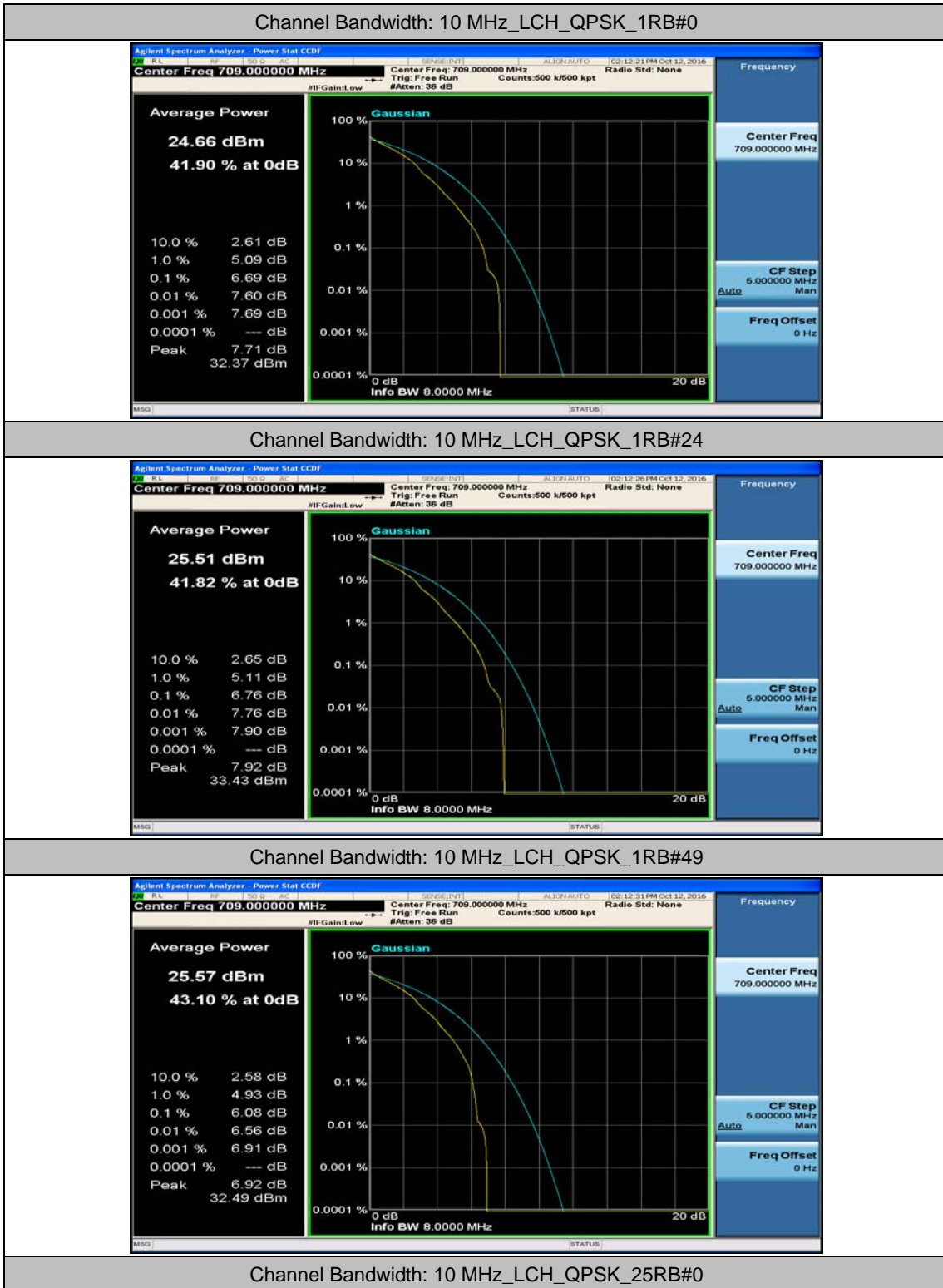
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

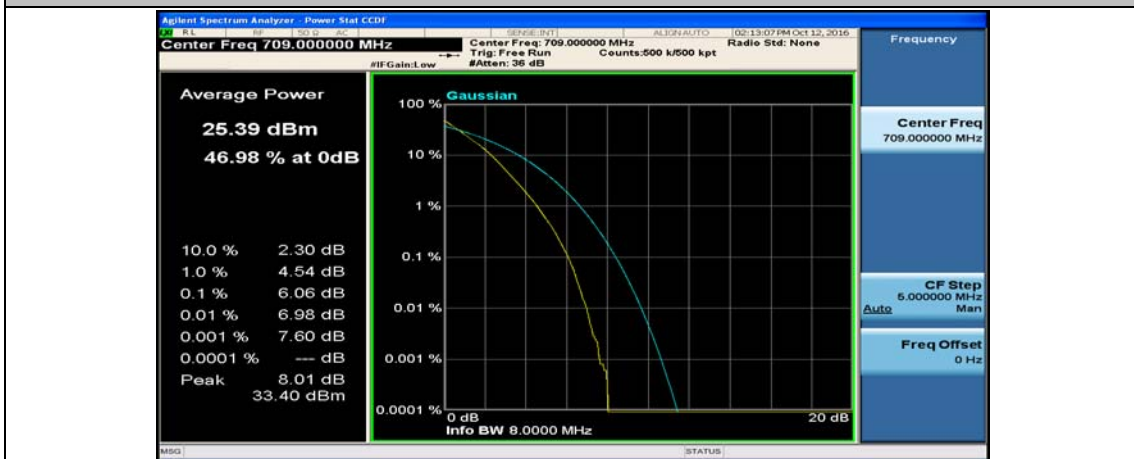


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz







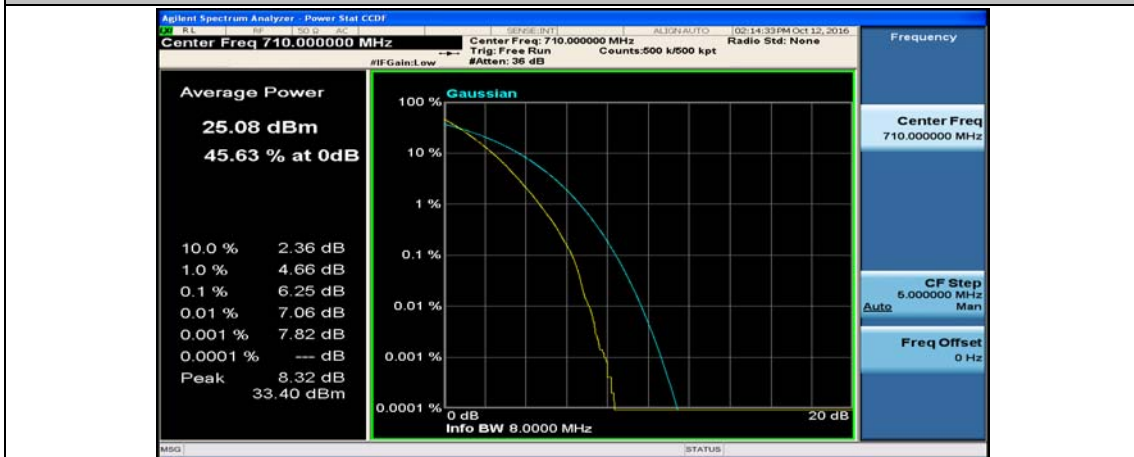
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

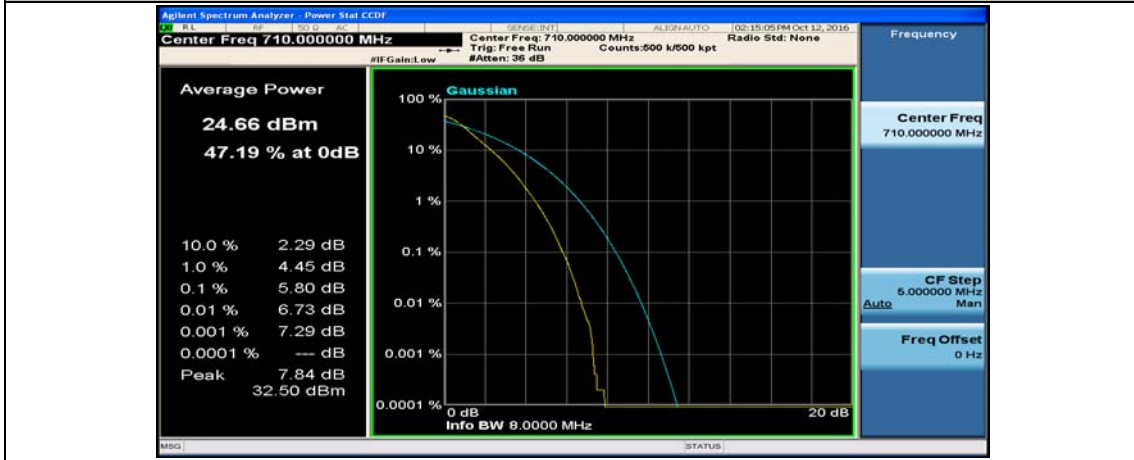


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49





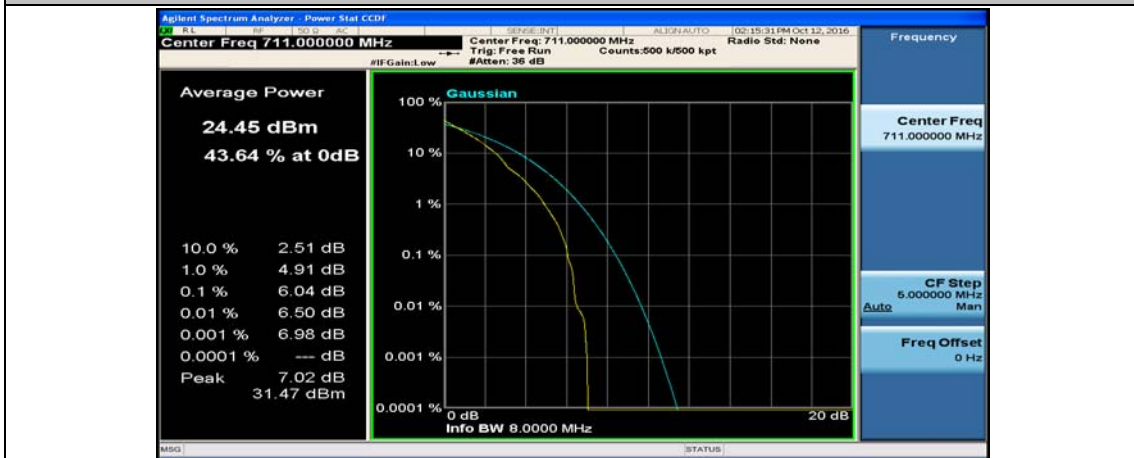
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

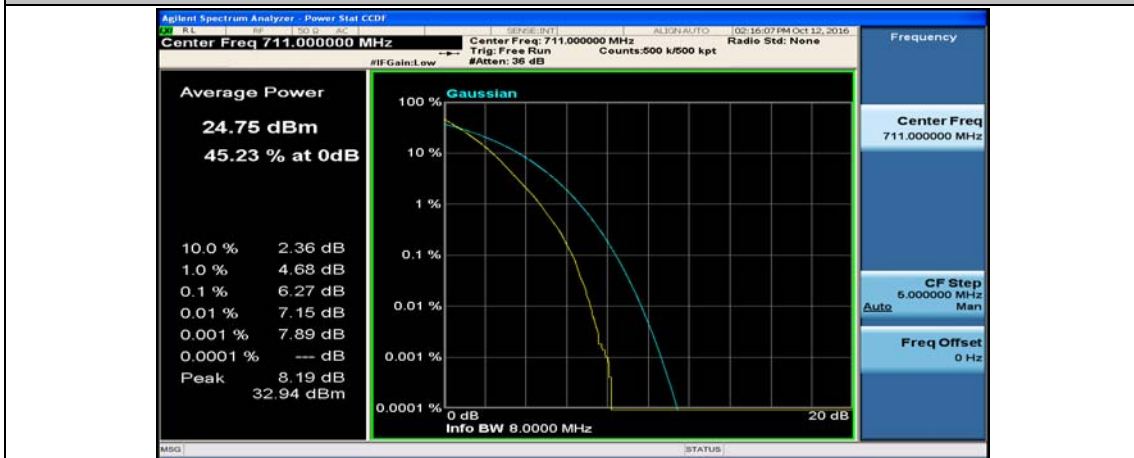


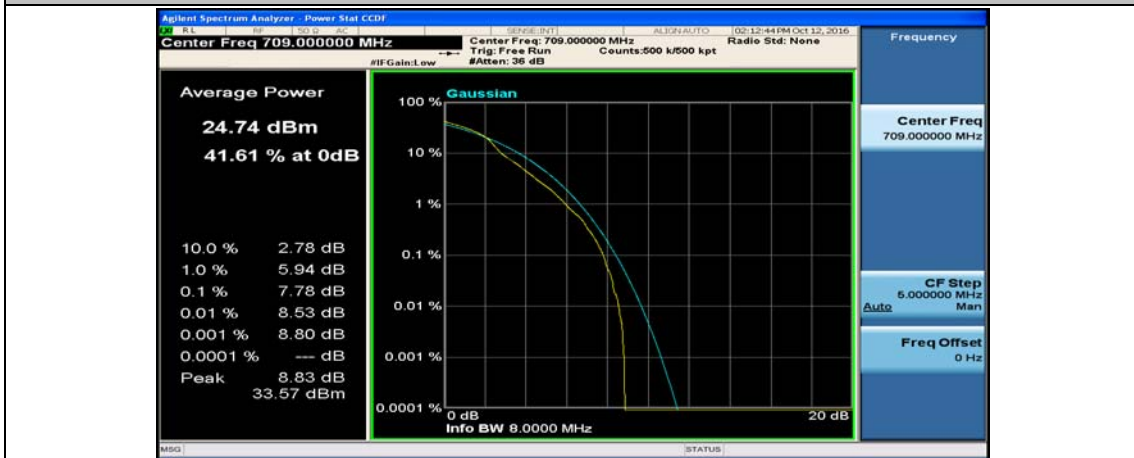
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

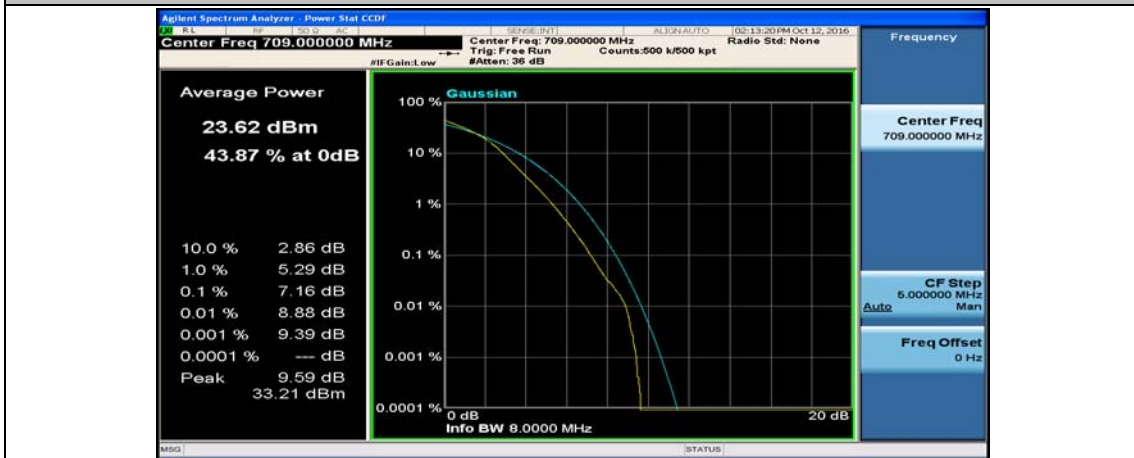


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



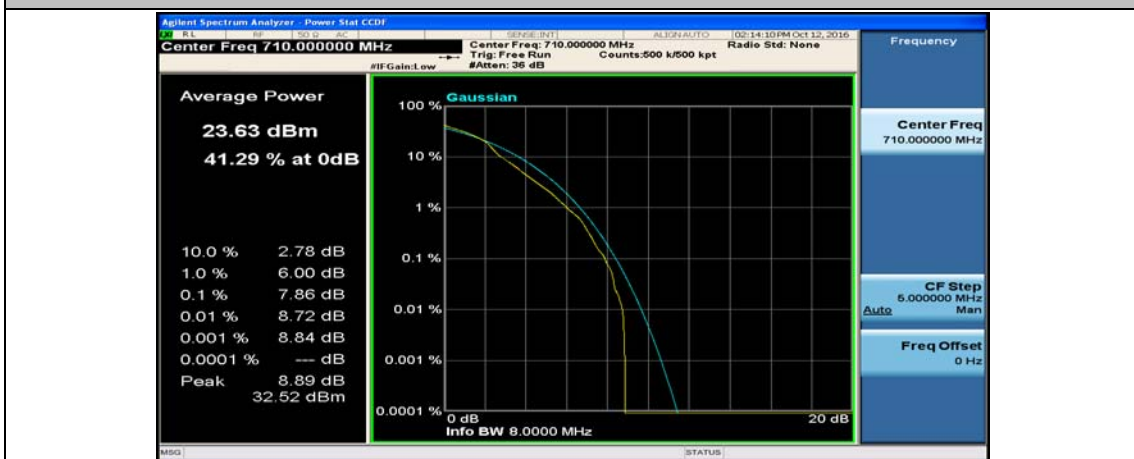








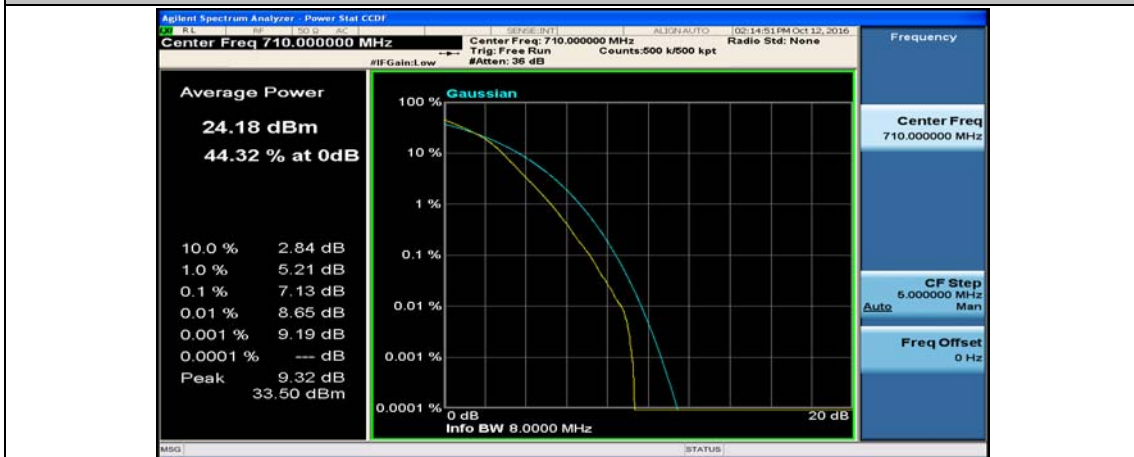
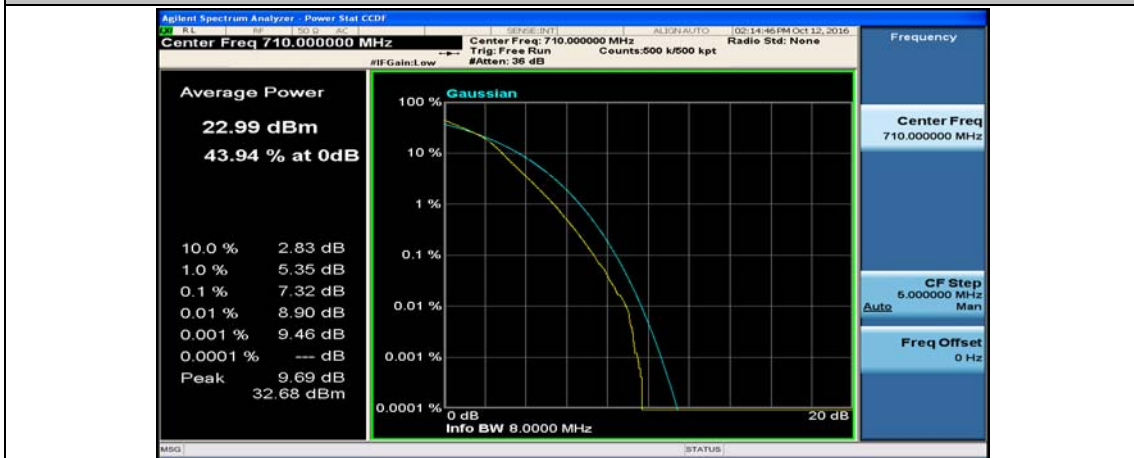
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

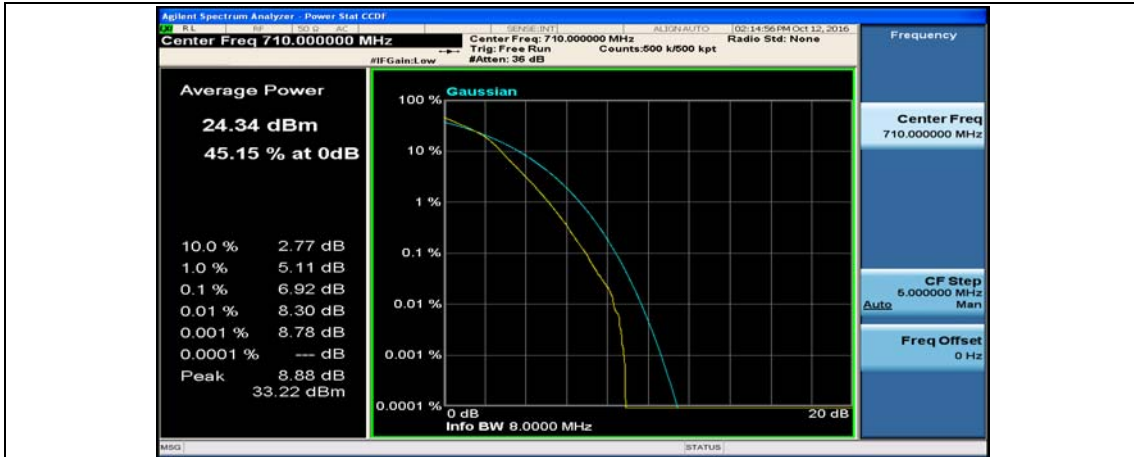


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

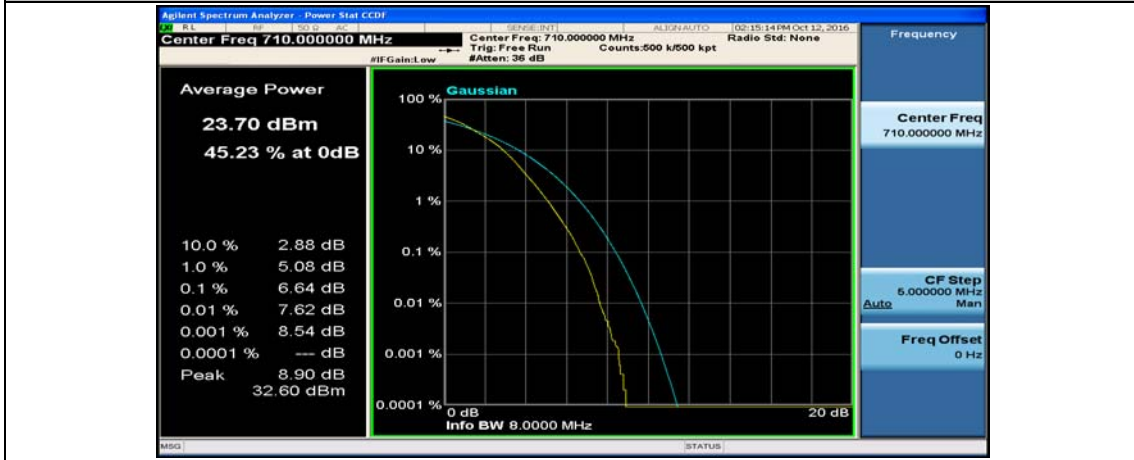


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49





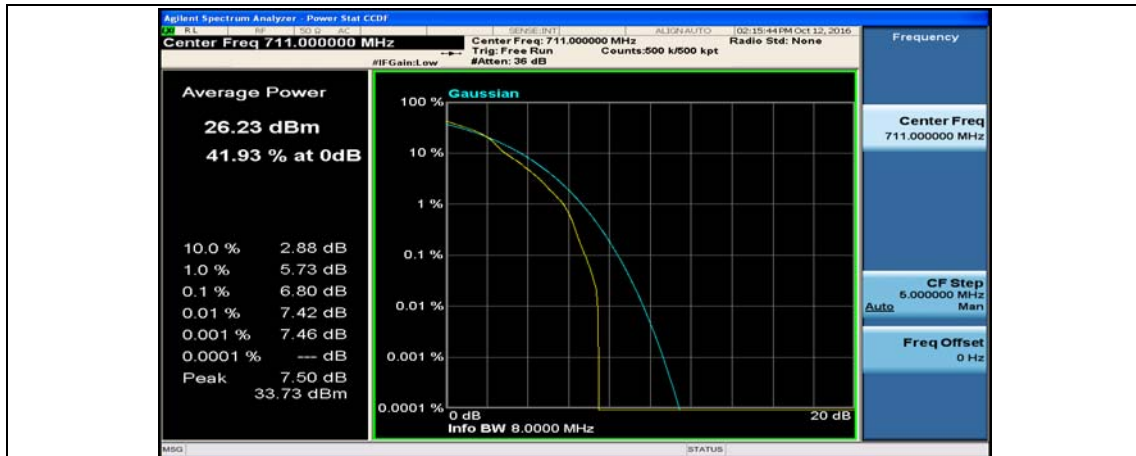
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



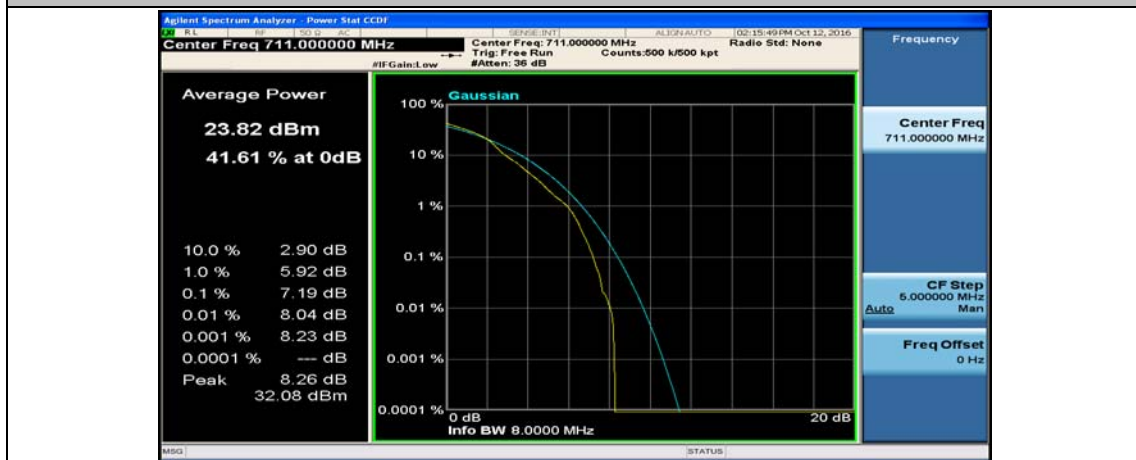
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



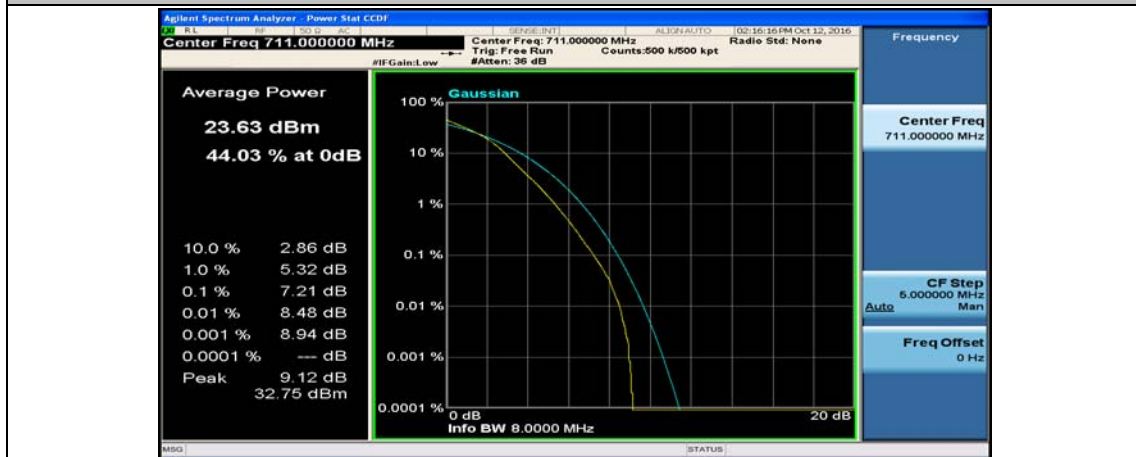
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



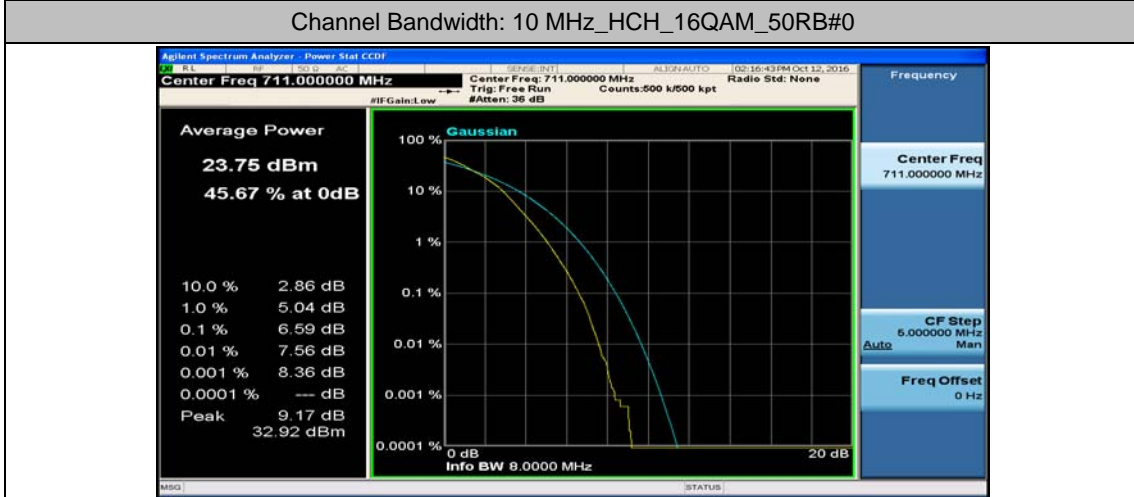
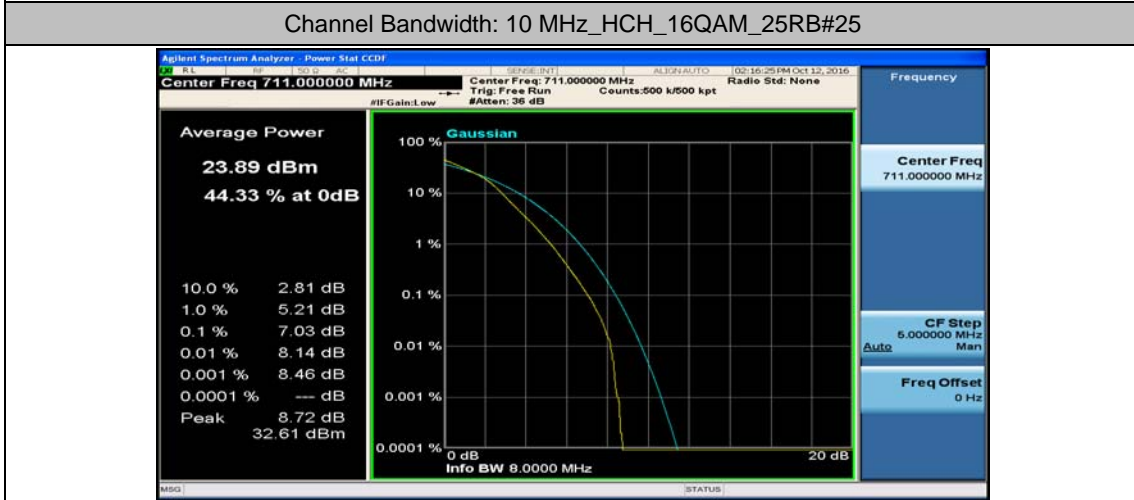
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

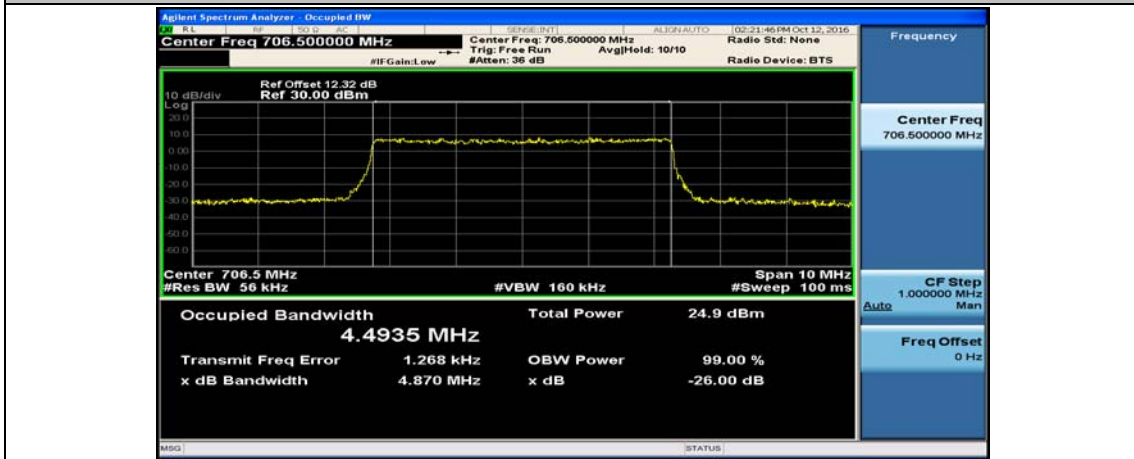
Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz | | | | | | |
|--------------------------|---------|------------------|--------|-----------------------------|-------------------------|---------|
| Modulation | Channel | RB Configuration | | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 25 | 0 | 4.4979 | 4.859 | PASS |
| | MCH | 25 | 0 | 4.4773 | 4.829 | PASS |
| | HCH | 25 | 0 | 4.4851 | 4.835 | PASS |
| 16QAM | LCH | 25 | 0 | 4.4935 | 4.870 | PASS |
| | MCH | 25 | 0 | 4.4785 | 4.774 | PASS |
| | HCH | 25 | 0 | 4.4752 | 4.776 | PASS |

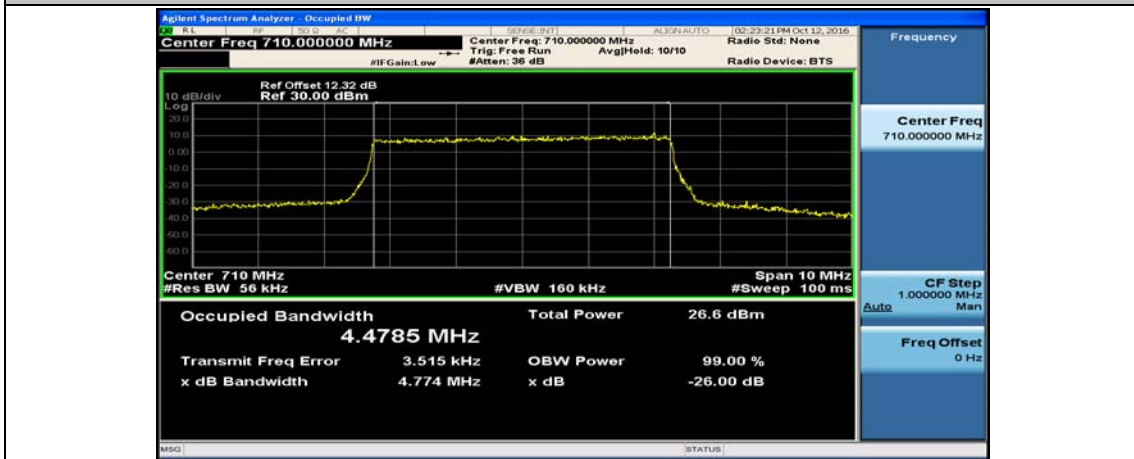
Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz | | | | | | |
|---------------------------|---------|------------------|--------|-----------------------------|-------------------------|---------|
| Modulation | Channel | RB Configuration | | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
| | | Size | Offset | | | |
| QPSK | LCH | 50 | 0 | 8.9313 | 9.456 | PASS |
| | MCH | 50 | 0 | 8.9094 | 9.426 | PASS |
| | HCH | 50 | 0 | 8.8952 | 9.372 | PASS |
| 16QAM | LCH | 50 | 0 | 8.9303 | 9.501 | PASS |
| | MCH | 50 | 0 | 8.9099 | 9.387 | PASS |
| | HCH | 50 | 0 | 8.9054 | 9.346 | PASS |

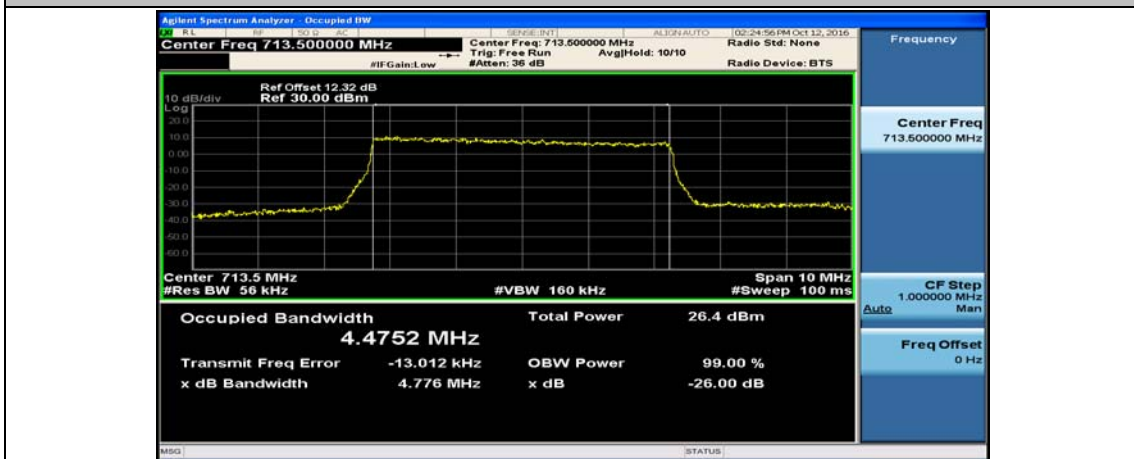
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



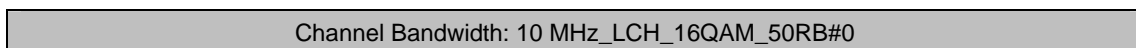
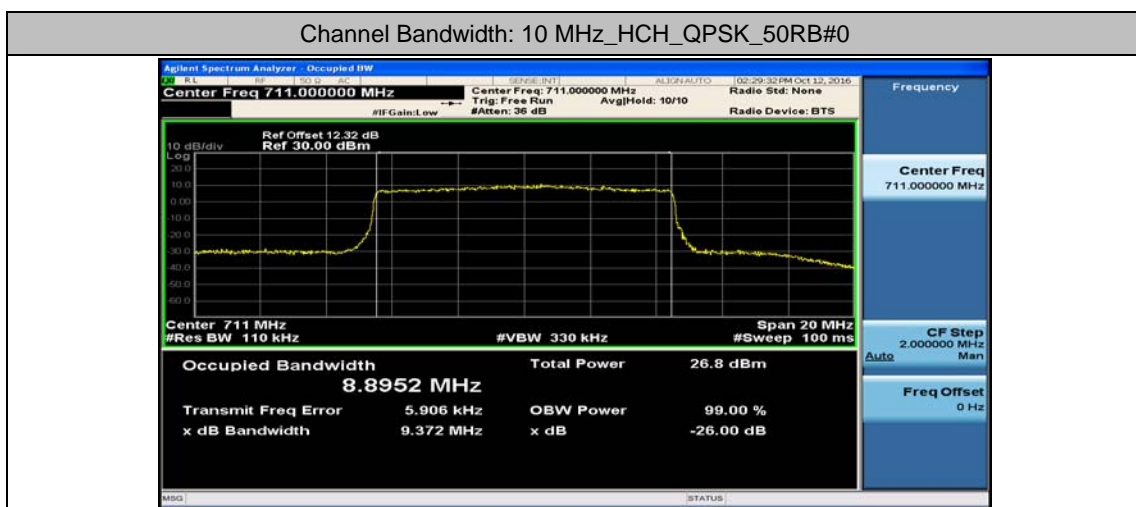
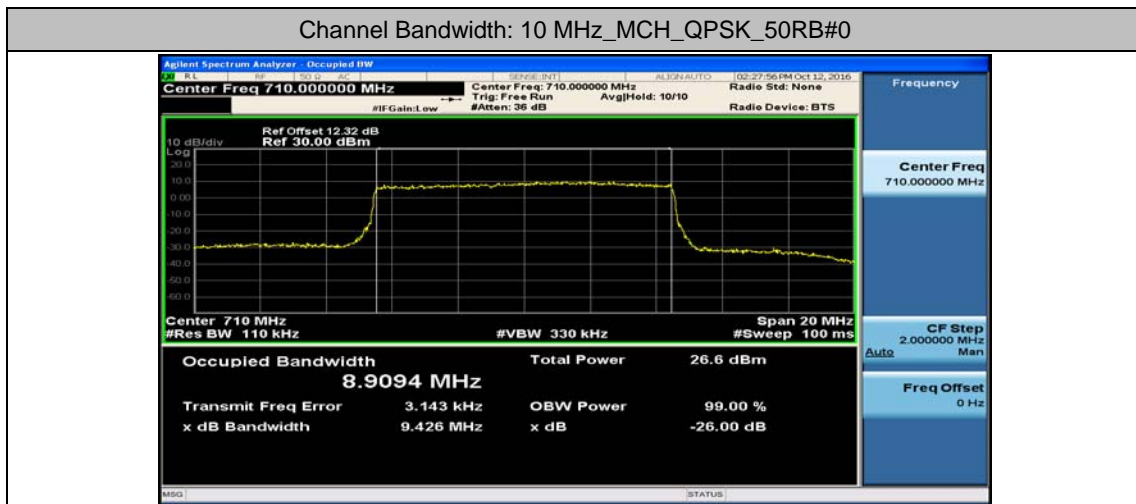
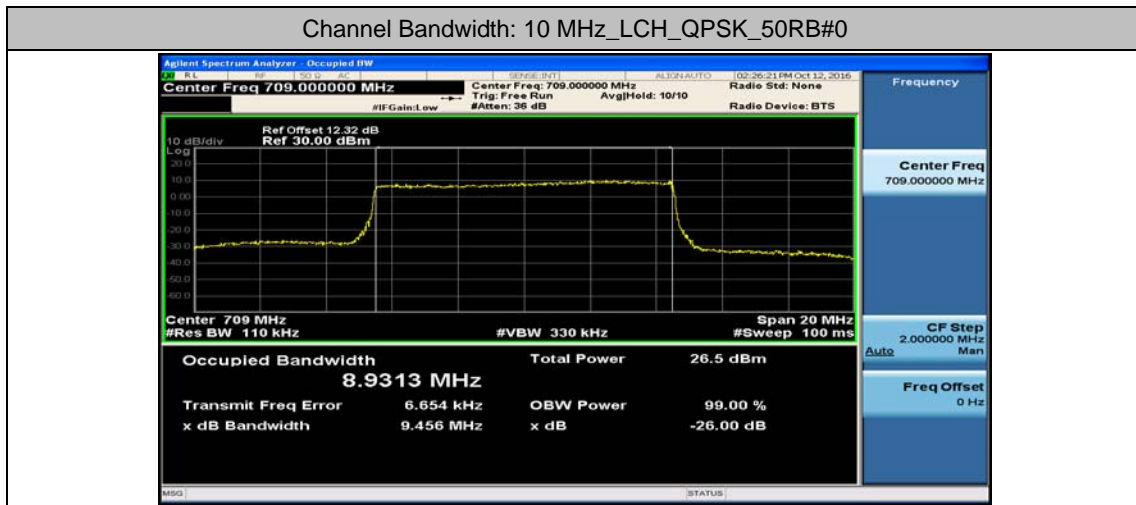
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



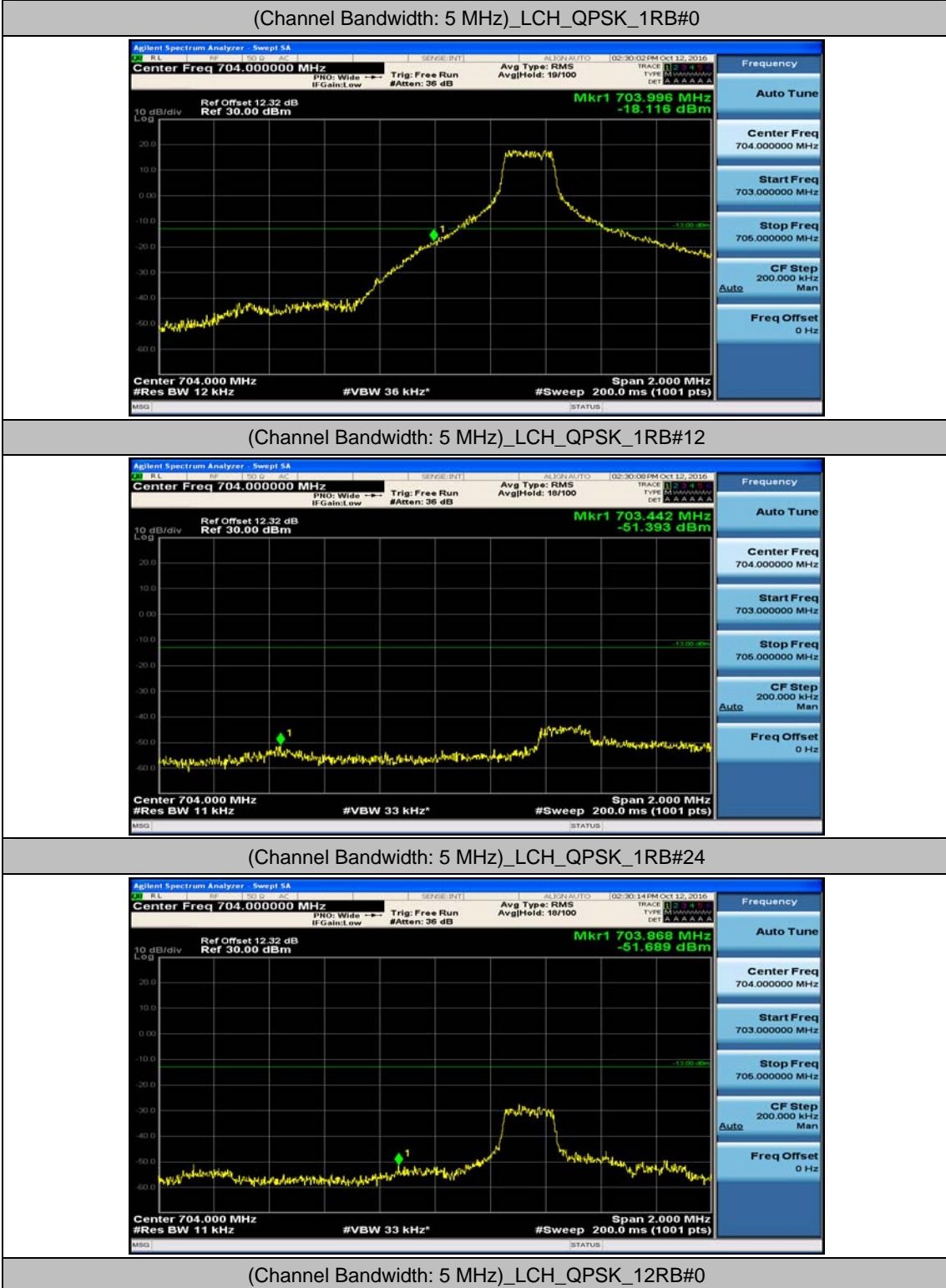
Channel Bandwidth: 10 MHz

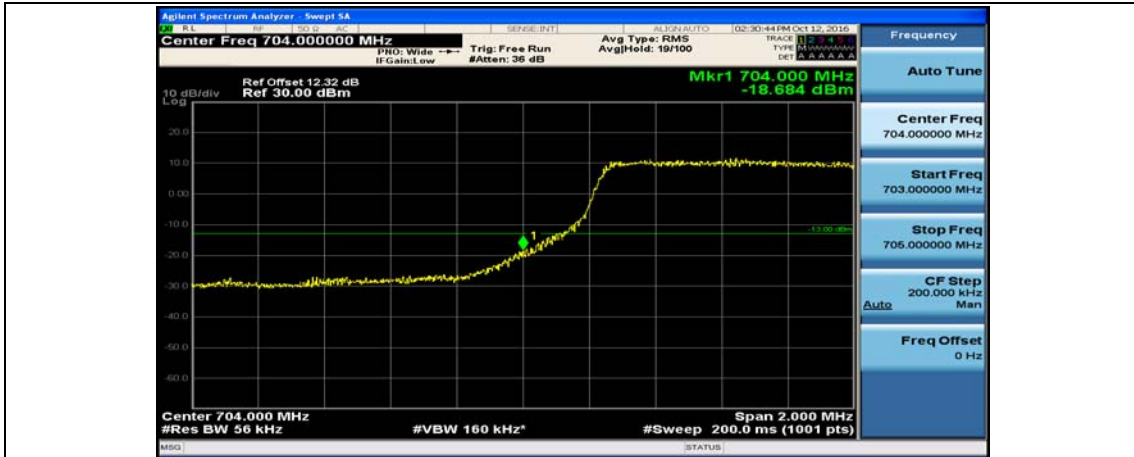


Appendix D: Band Edge

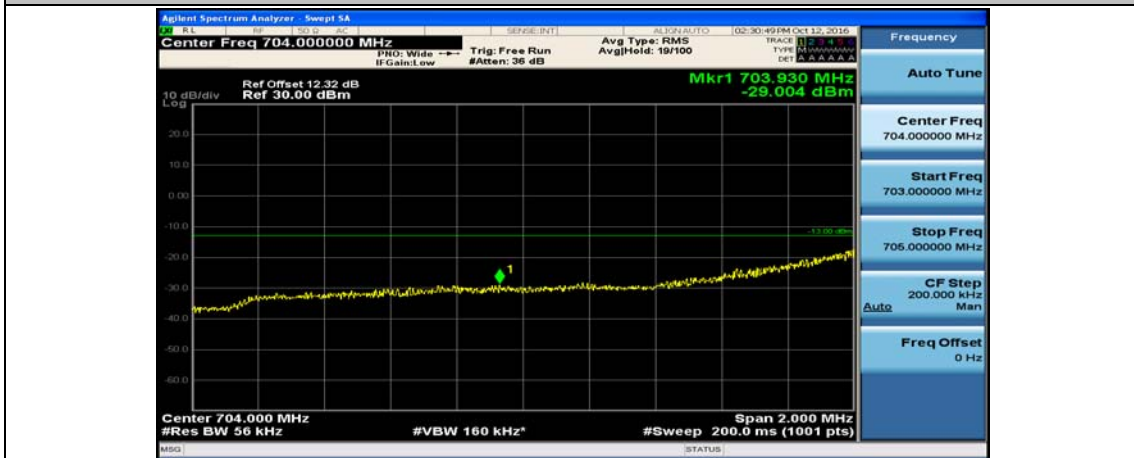
Test Graphs

Channel Bandwidth: 5 MHz

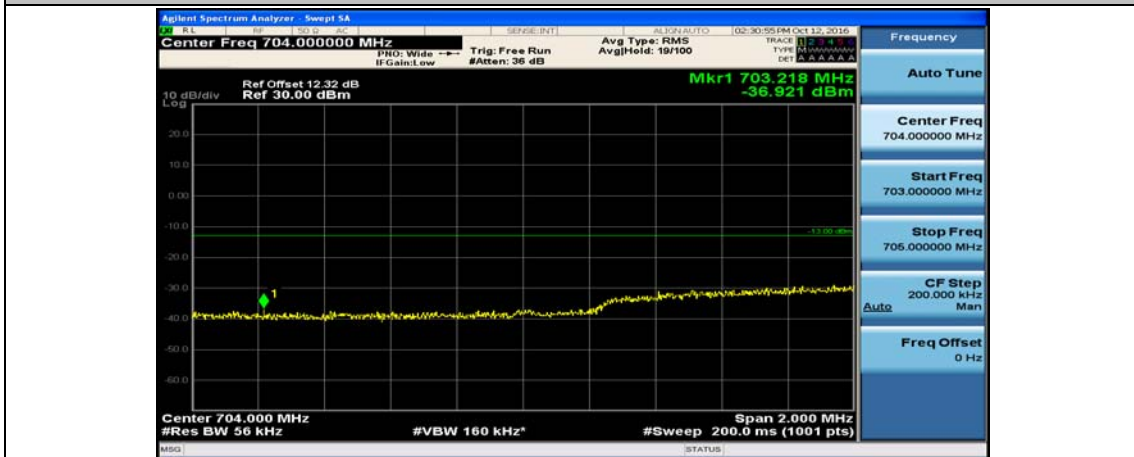




(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



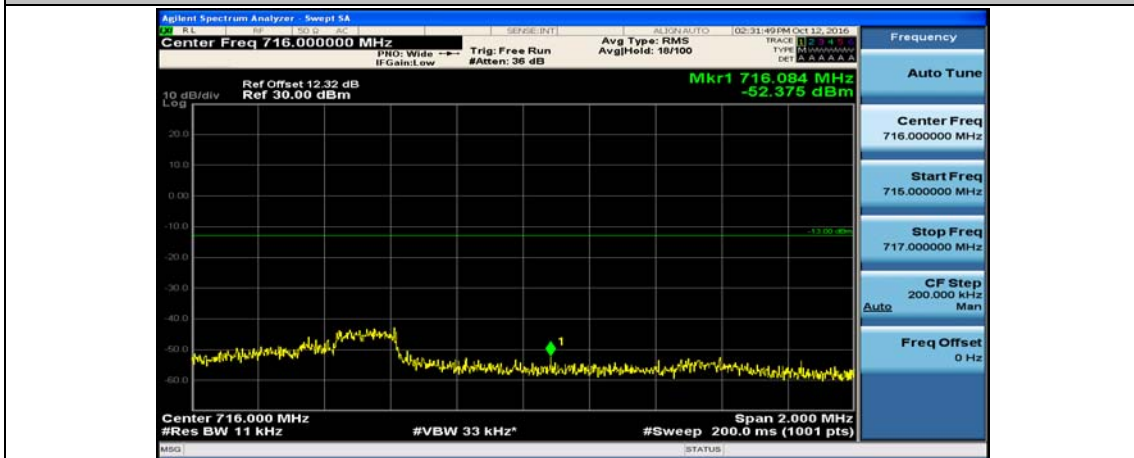
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_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



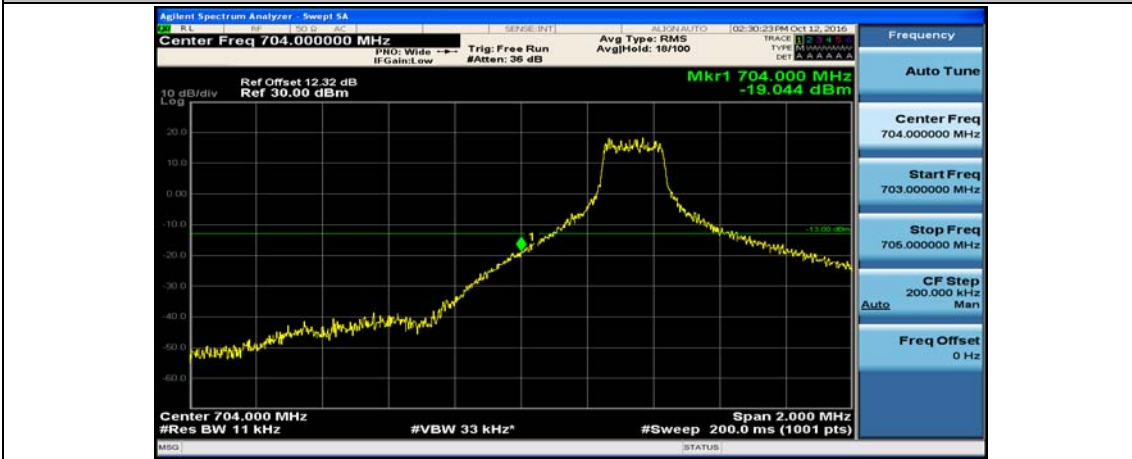
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



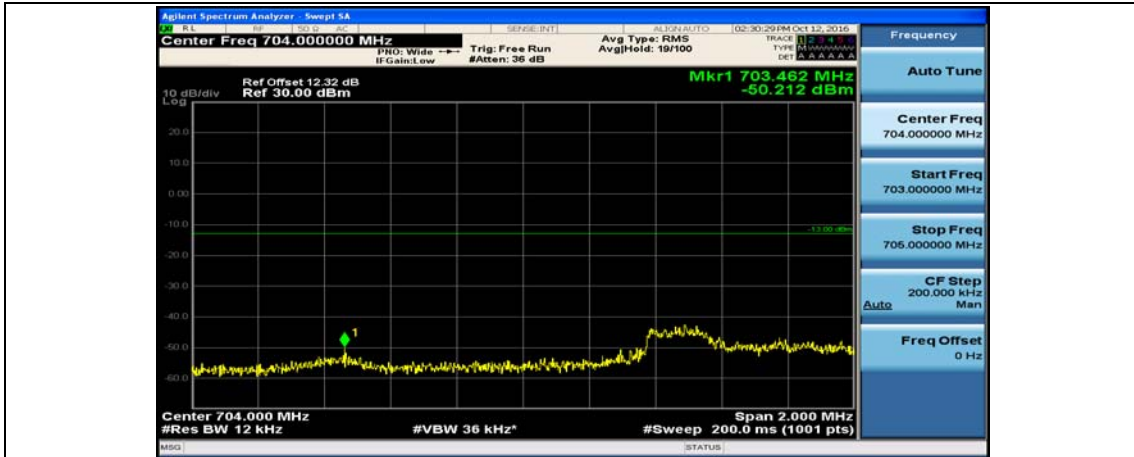
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



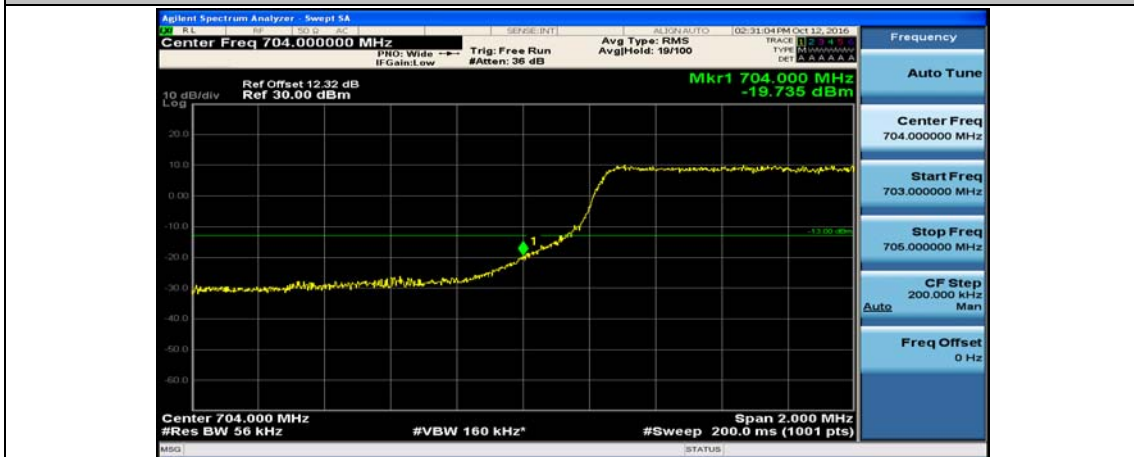
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



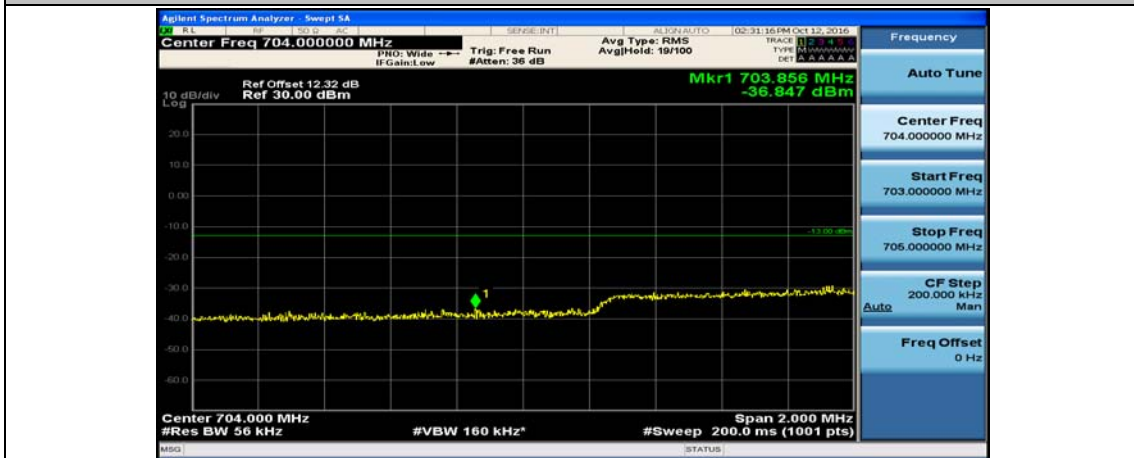
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



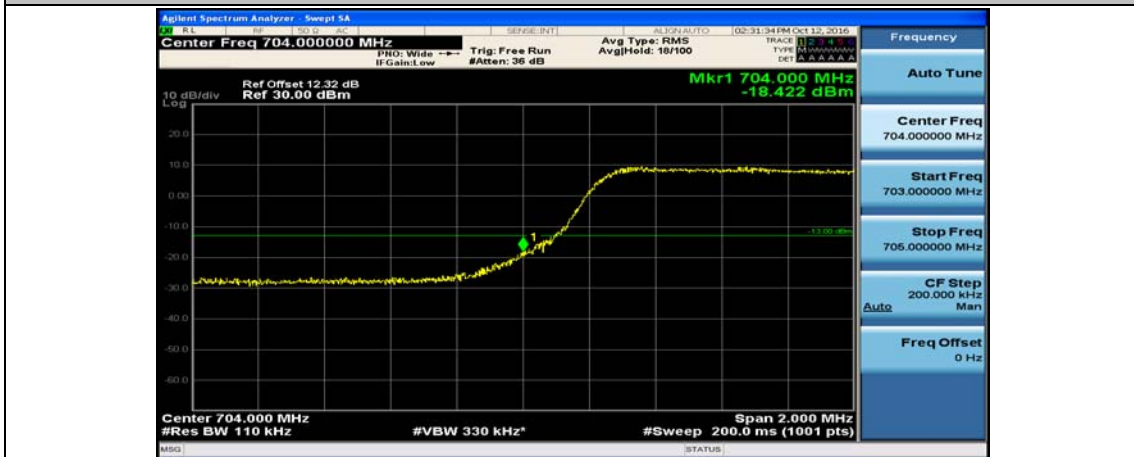
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



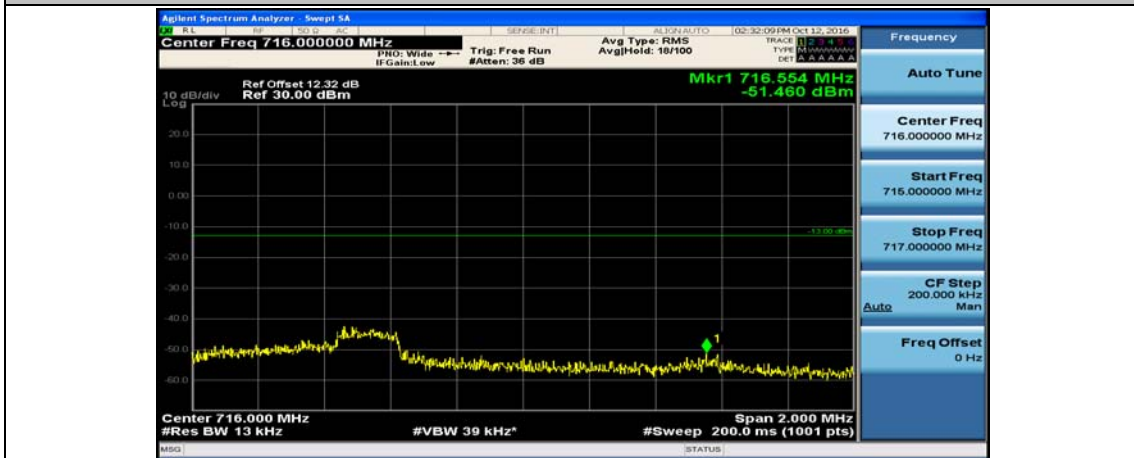
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



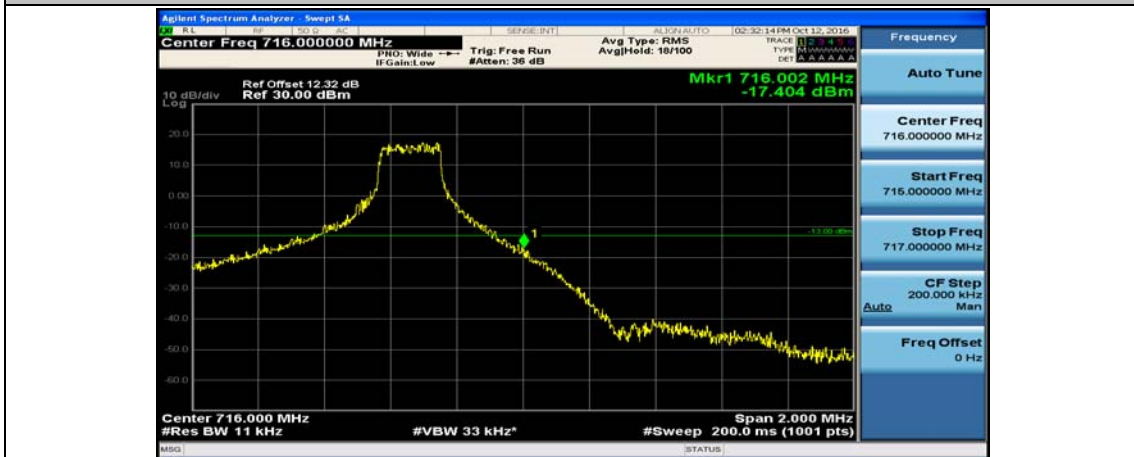
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



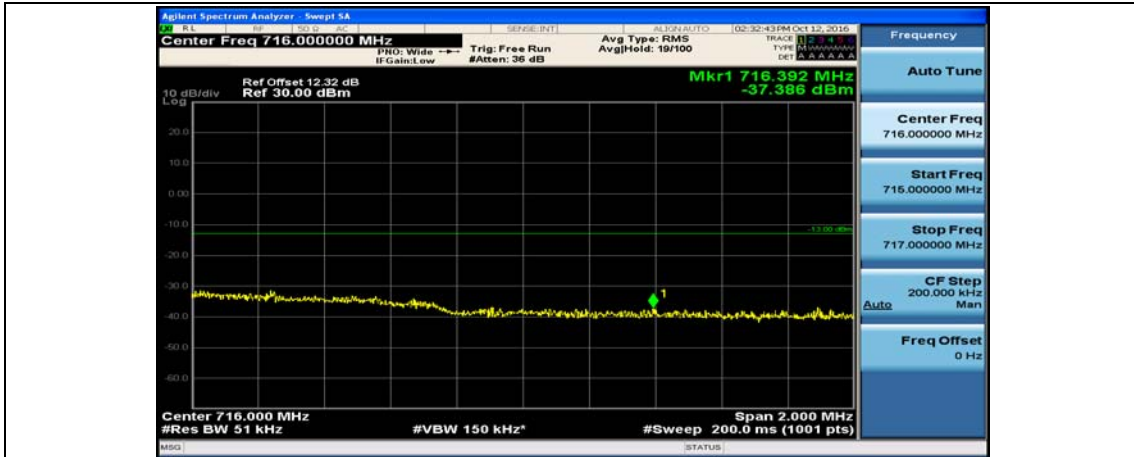
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



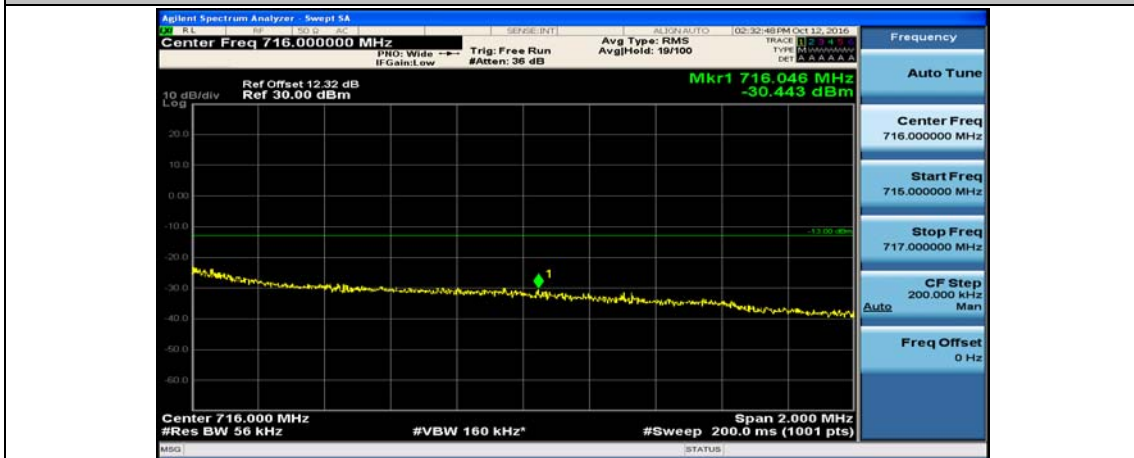
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



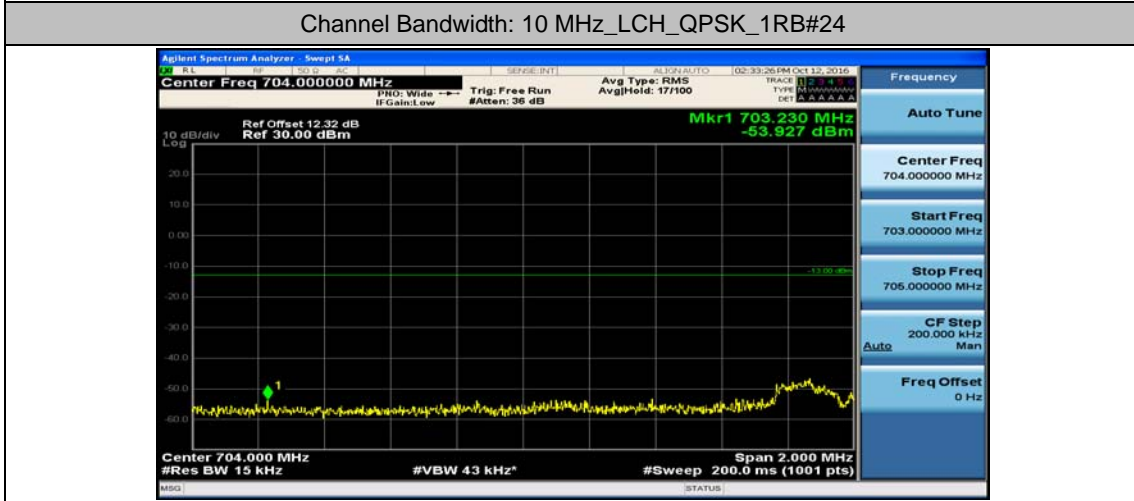
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

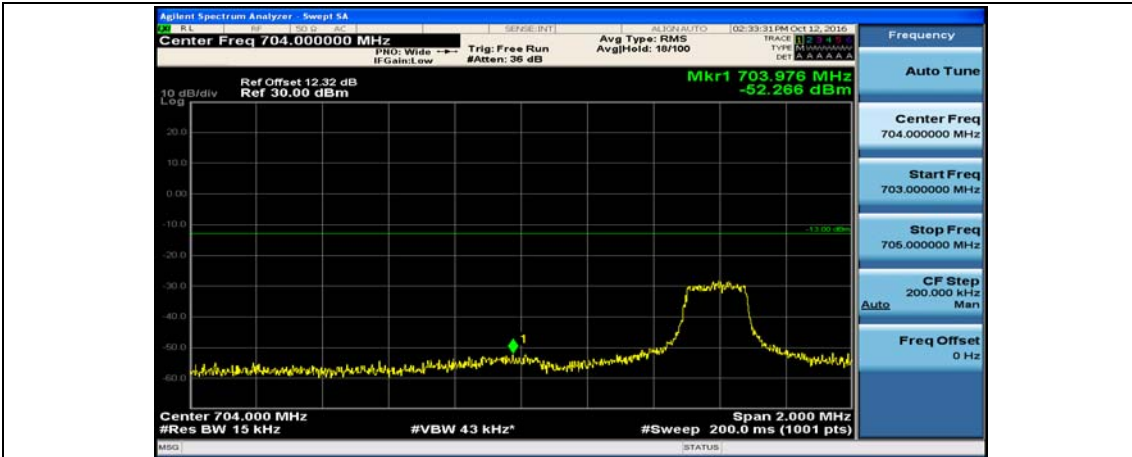


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz

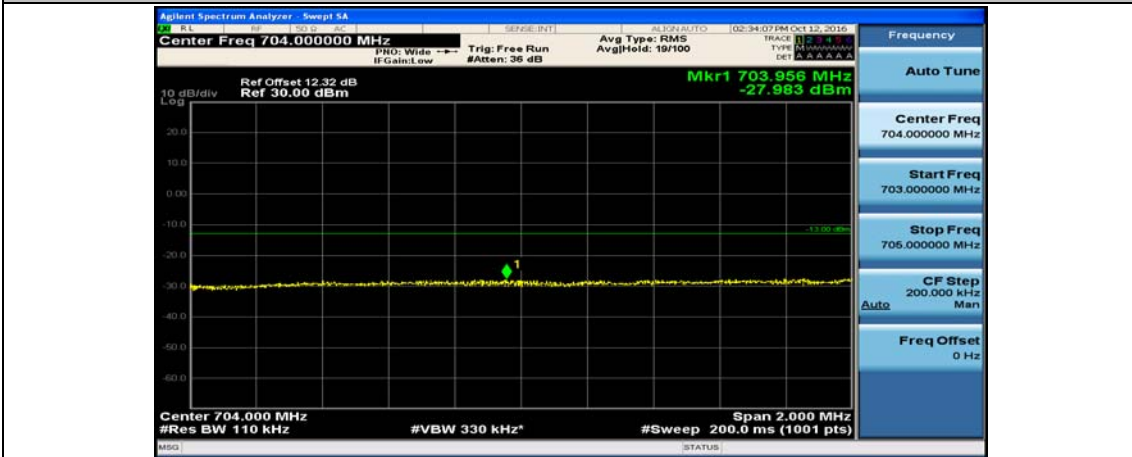




Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25