# Appendix for Band 17

## Appendix A: Average Power Output Data

### Test Result

### Channel Bandwidth: 5 MHz

| 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 |
| | 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 |
| 16QAM | 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 |
| | 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 |
| 16QAM | 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 | Limit | Verdict |
| | | Size | Offset | [dB] | [dB] | |
| 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 |
| | HCH | 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 |
| 16QAM | LCH | 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 |
| | MCH | 1 | 0 | 5.67 | <13 | PASS |
| | | 1 | 12 | 5.73 | <13 | PASS |
| | | 1 | 24 | 5.78 | <13 | PASS |
| | | 12 | 0 | 6.9 | <13 | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 12 | 6 | 6.87 | <13 | PASS |
| | | 12 | 13 | 6.9 | <13 | PASS |
| | | 25 | 0 | 6.8 | <13 | PASS |
| | 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 [dB] | Limit [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 |
| | HCH | 1 | 0 | 5.54 | <13 | PASS |
| | | 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)_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

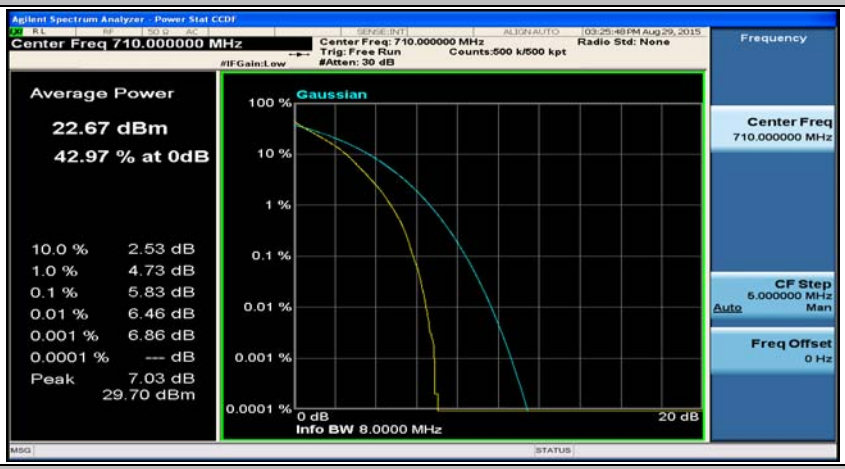
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

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

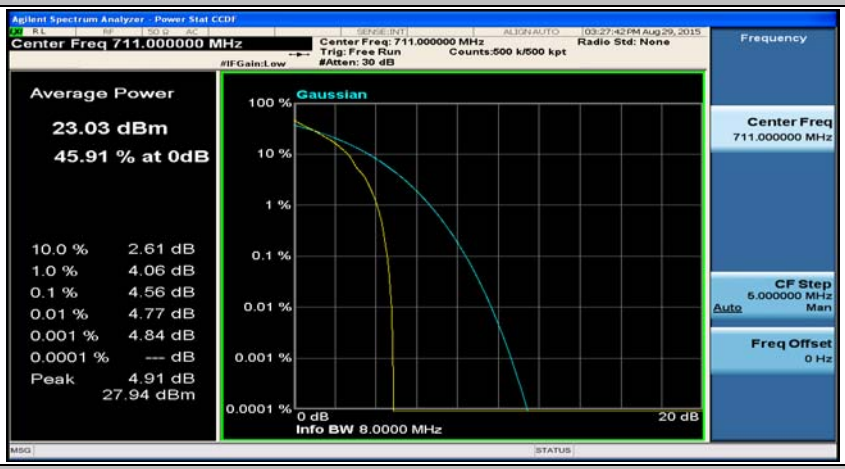
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

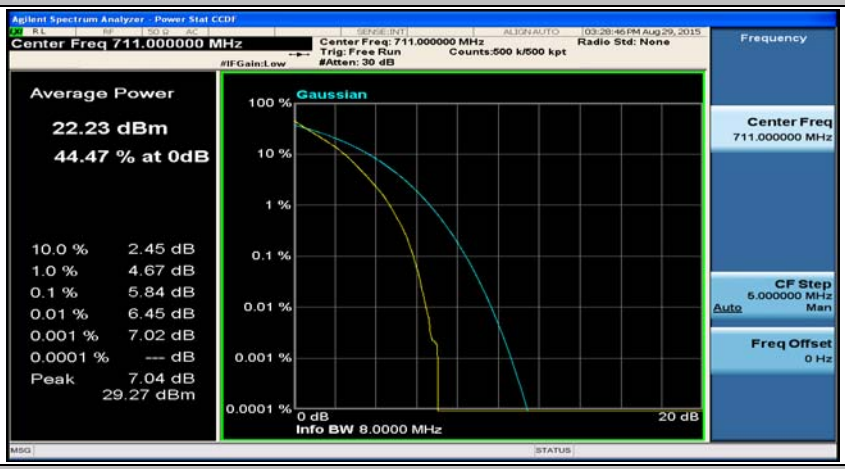
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49




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

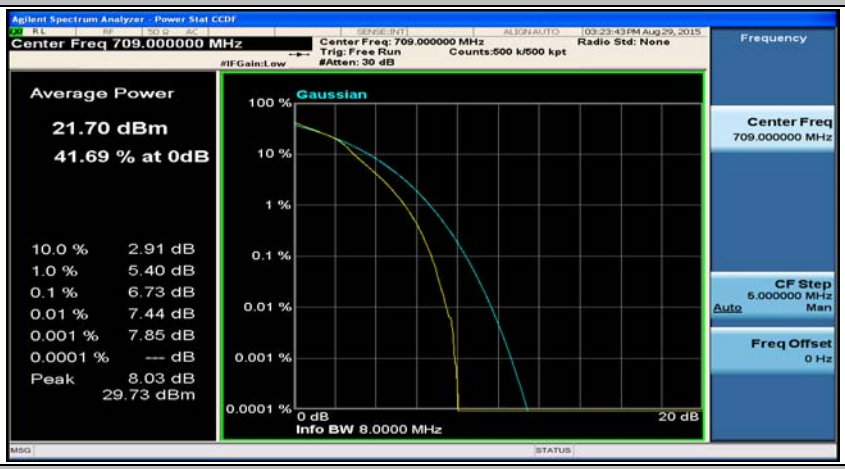
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

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

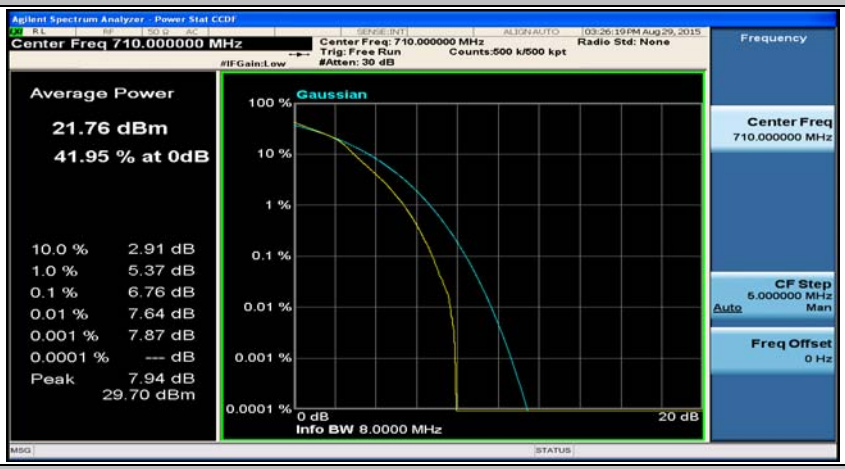
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

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

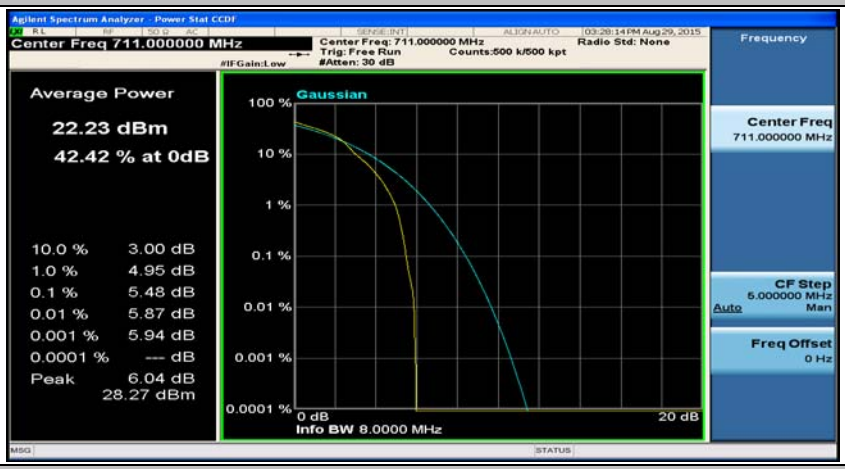
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

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

# Appendix C: 26dB Bandwidth and Occupied Bandwidth

## Test Result

## Channel Bandwidth: 5 MHz

| Channel Bandwidth: 5 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | 26dB Bandwidth (MHz) | Occupied Bandwidth (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 |

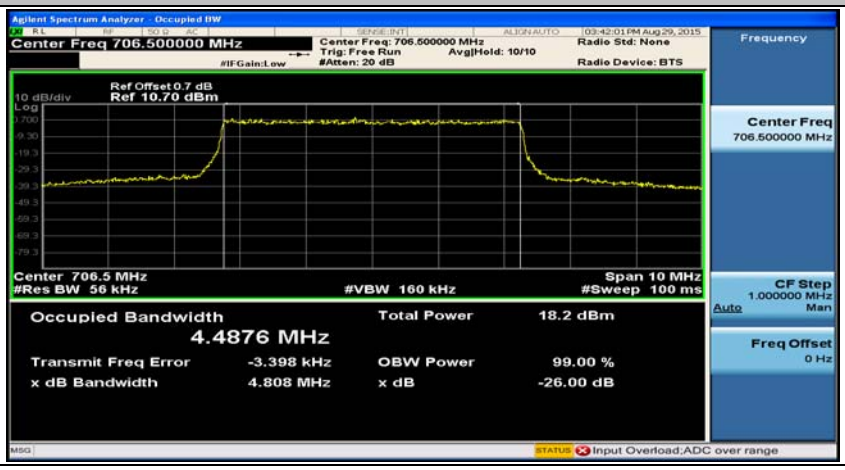
## Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Channel | RB Configuration | | 26dB Bandwidth (MHz) | Occupied Bandwidth (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 |

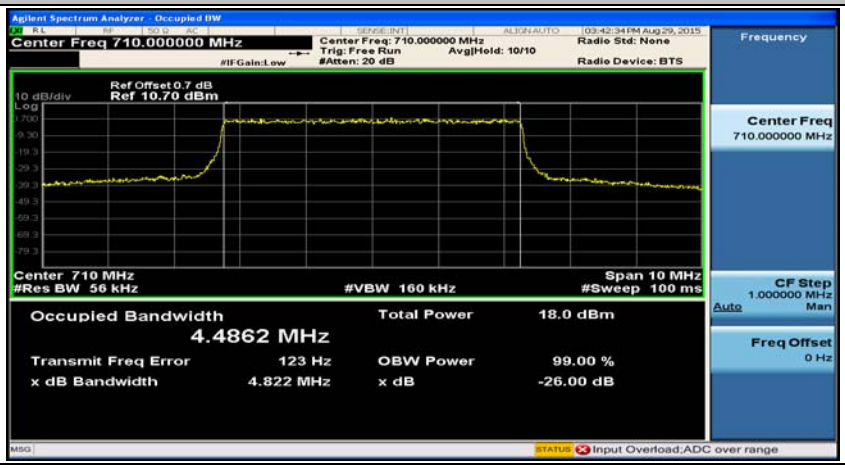
## Test Graphs

## Channel Bandwidth: 5 MHz

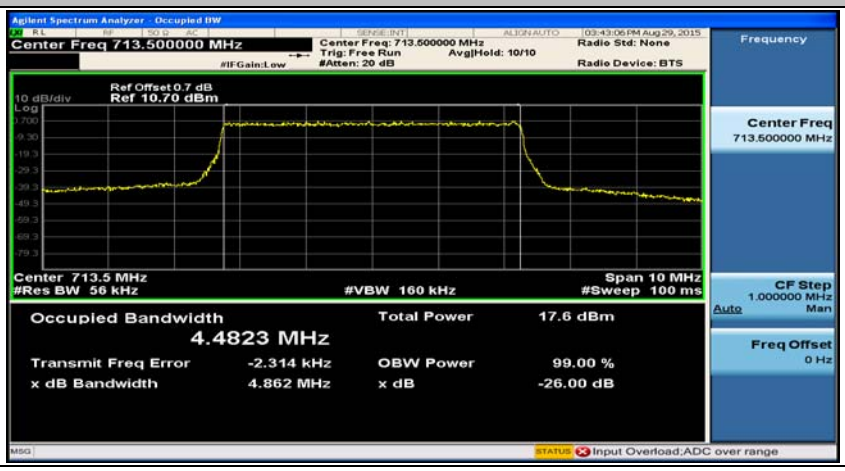
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



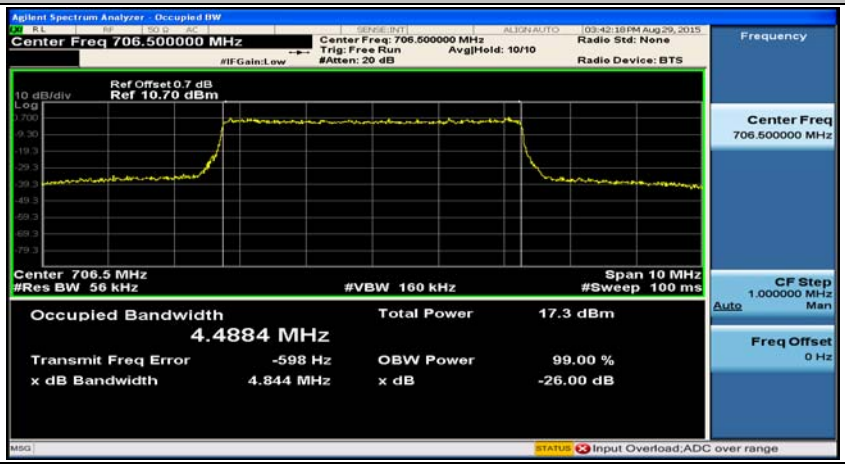

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



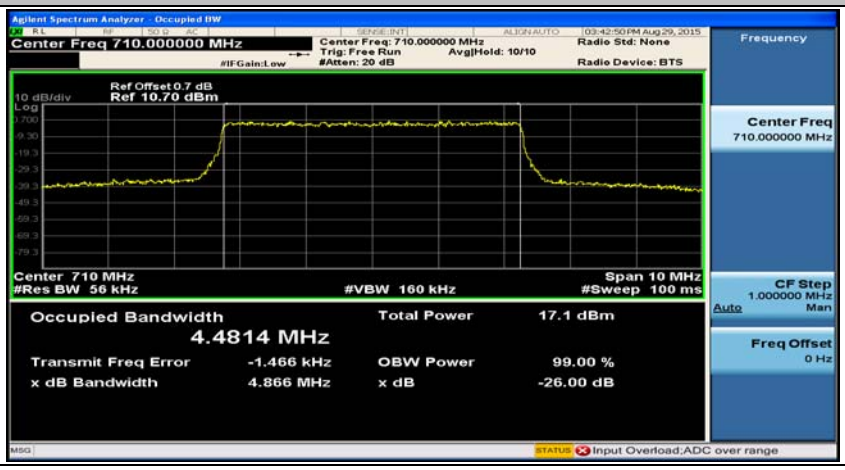

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



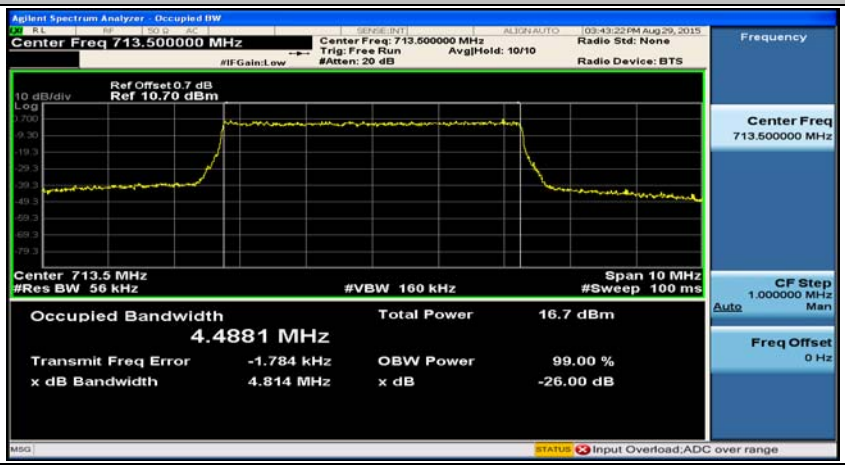
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0




(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

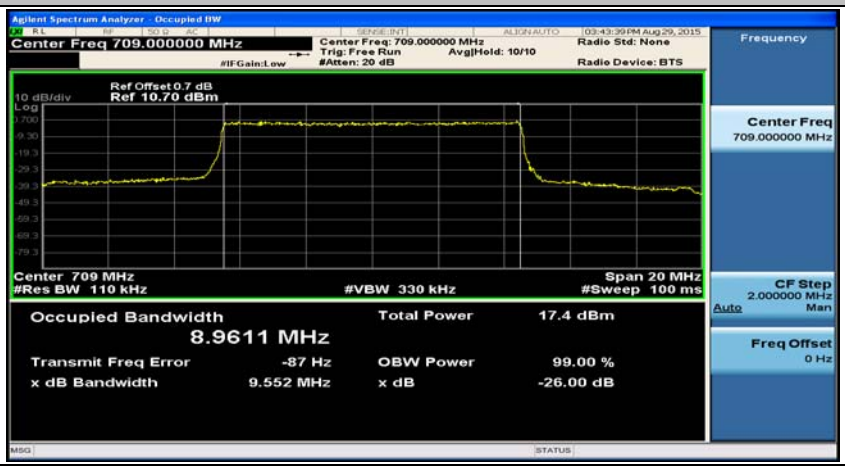



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

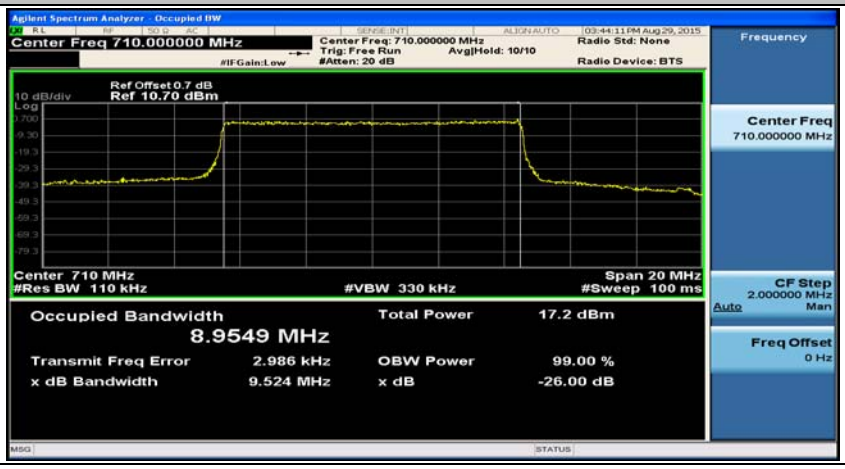


## Channel Bandwidth: 10 MHz

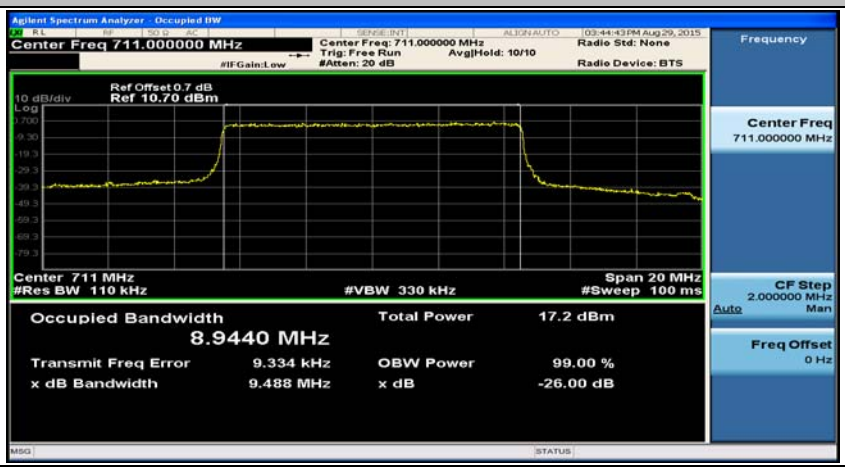
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



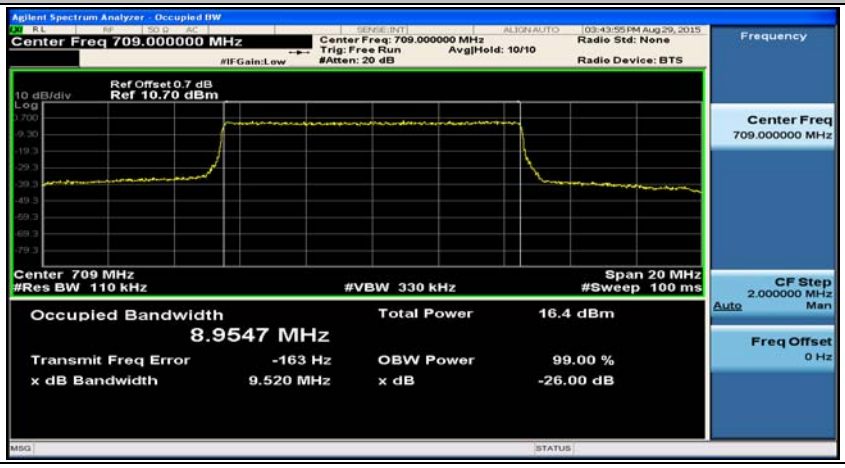

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



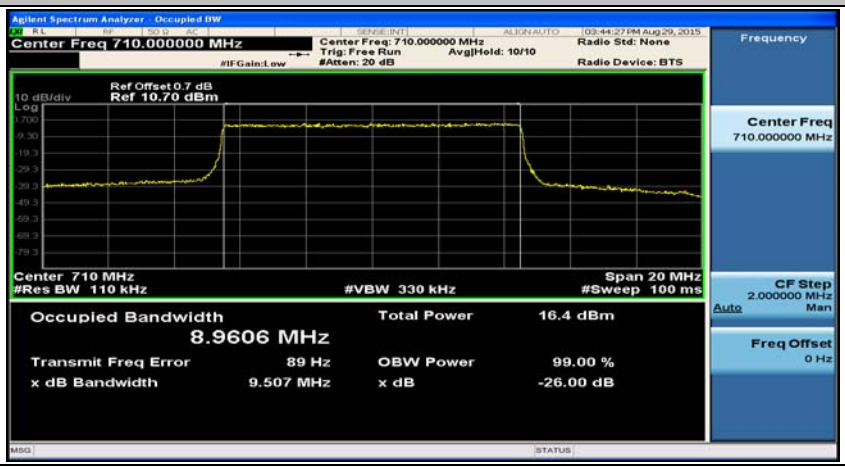

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



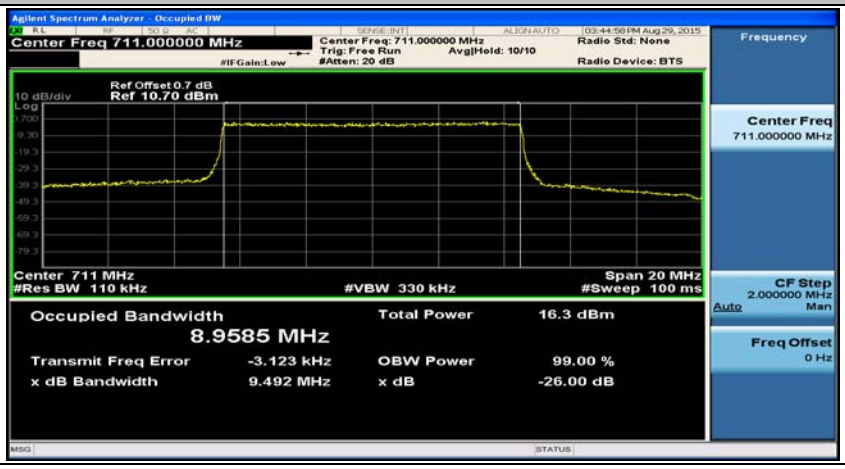
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0




Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0




Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

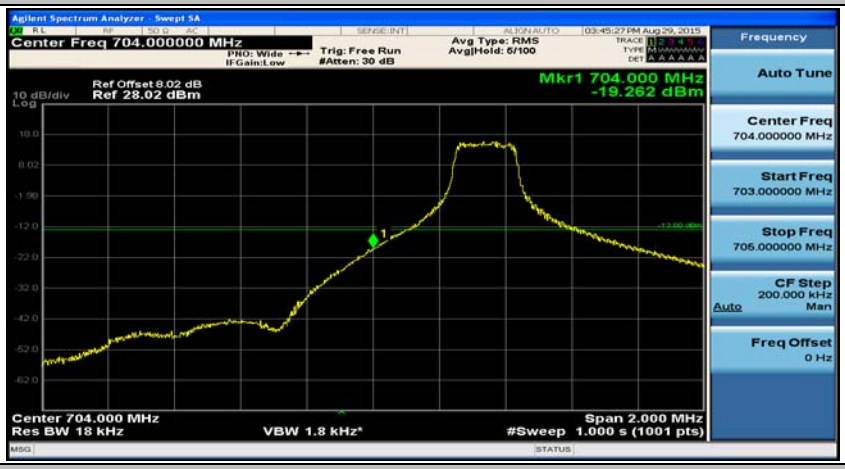


# Appendix D: Band Edge

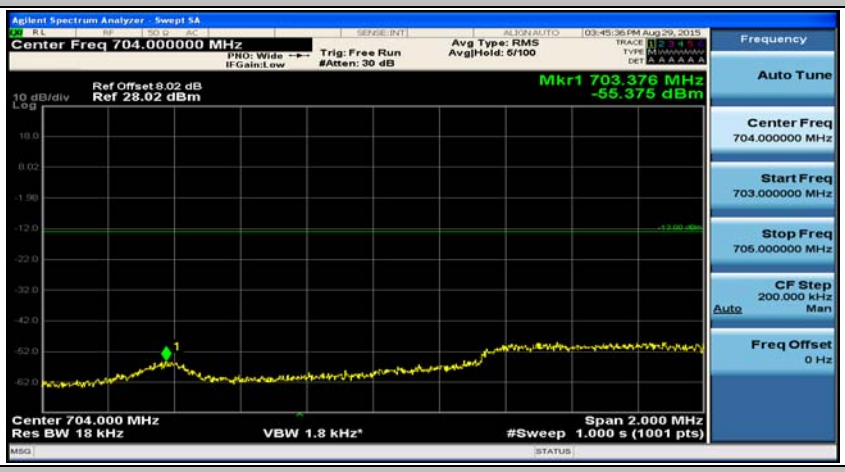
## Test Graphs

## Channel Bandwidth: 5 MHz

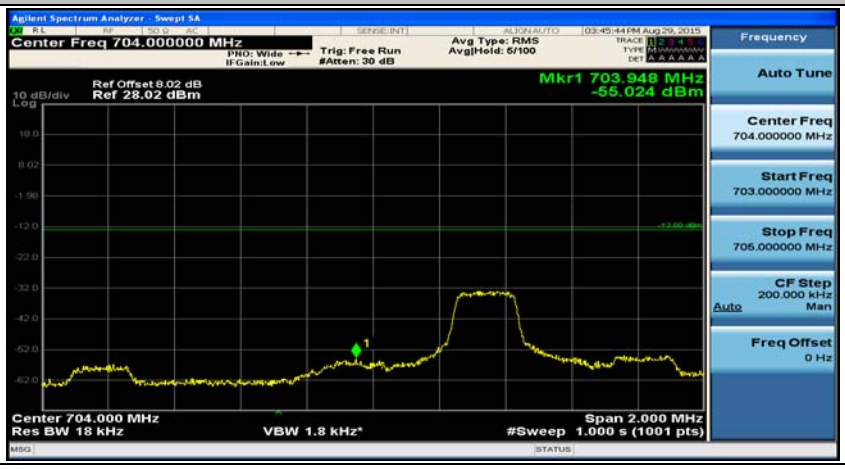
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



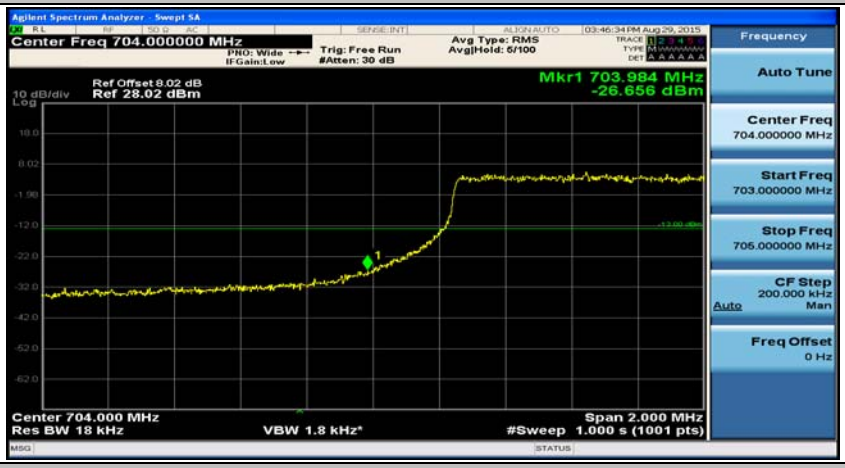

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12




(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

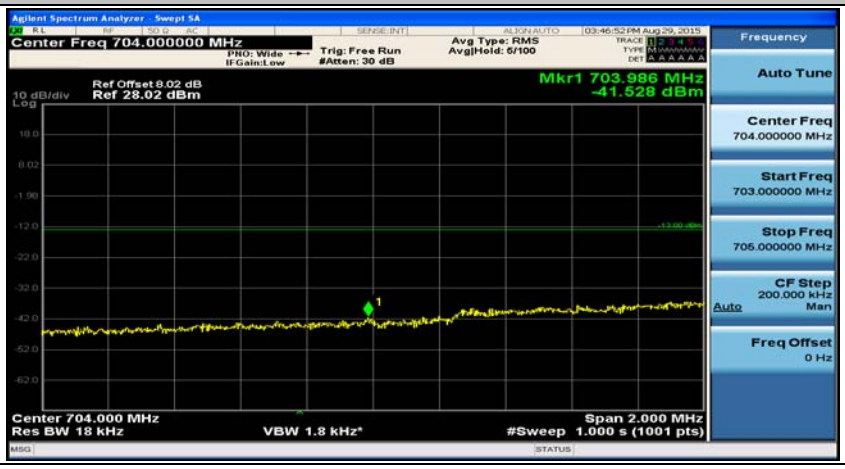


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



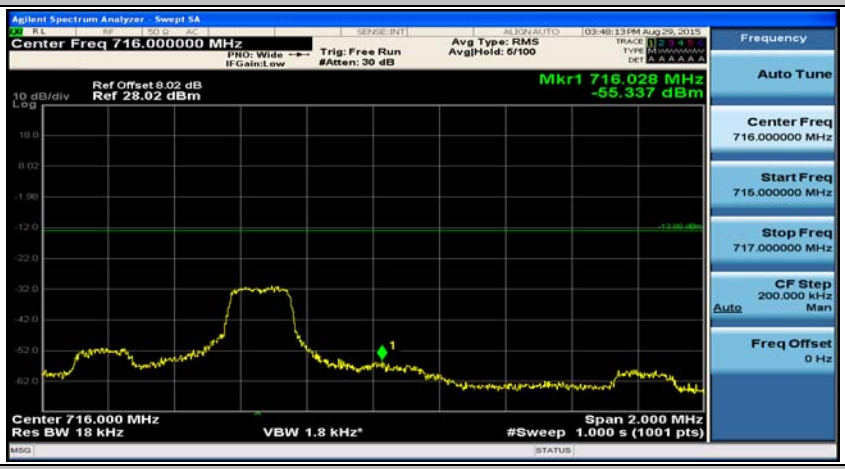

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

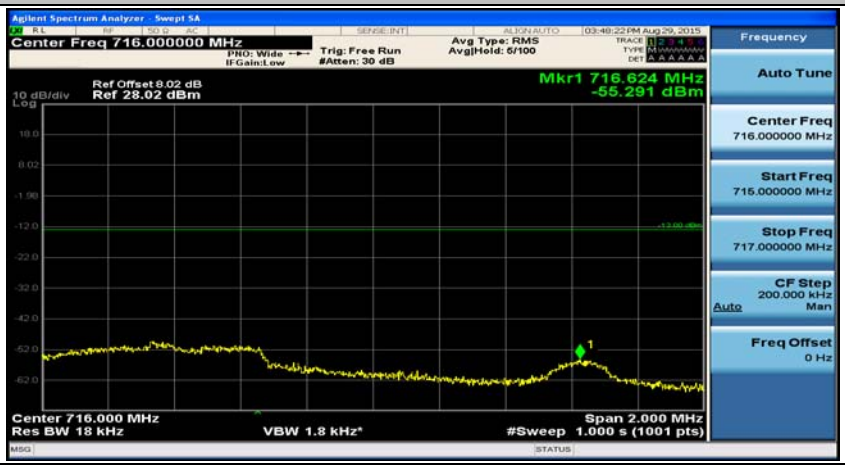


(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

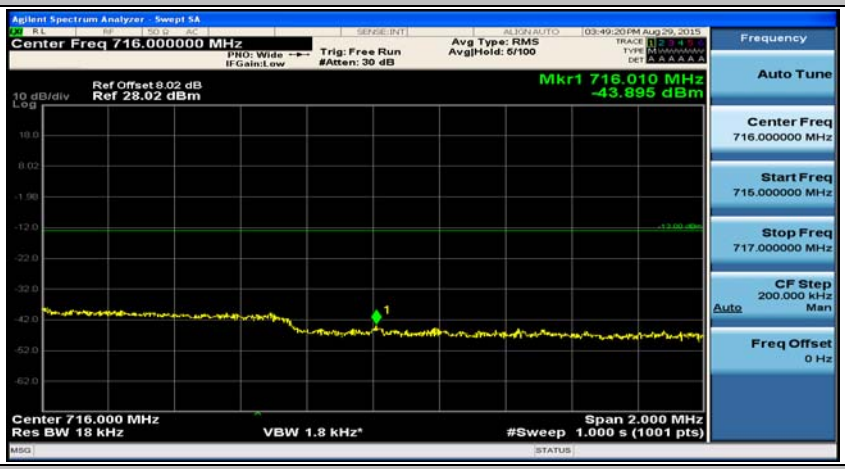



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

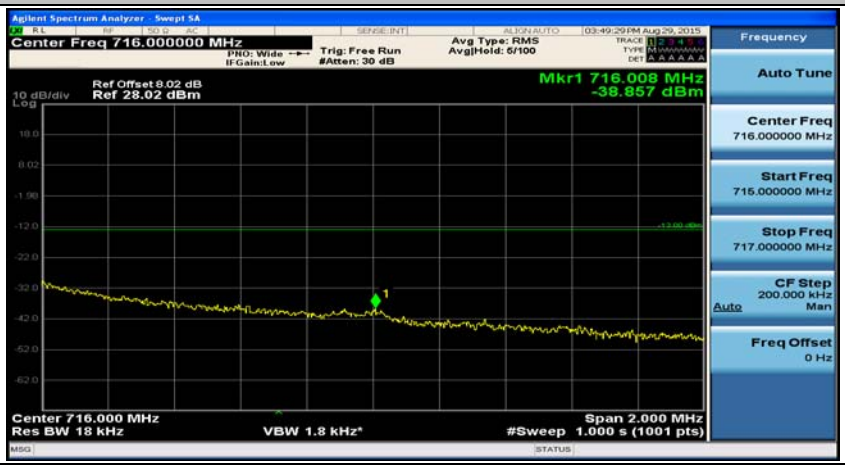


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



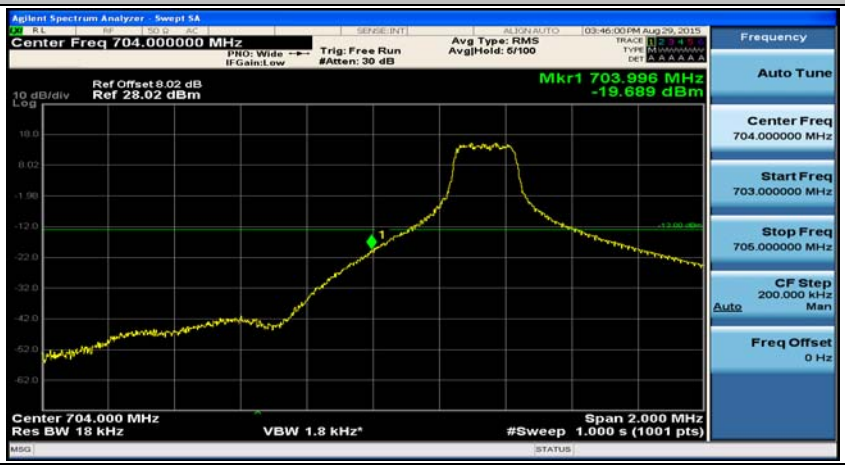

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



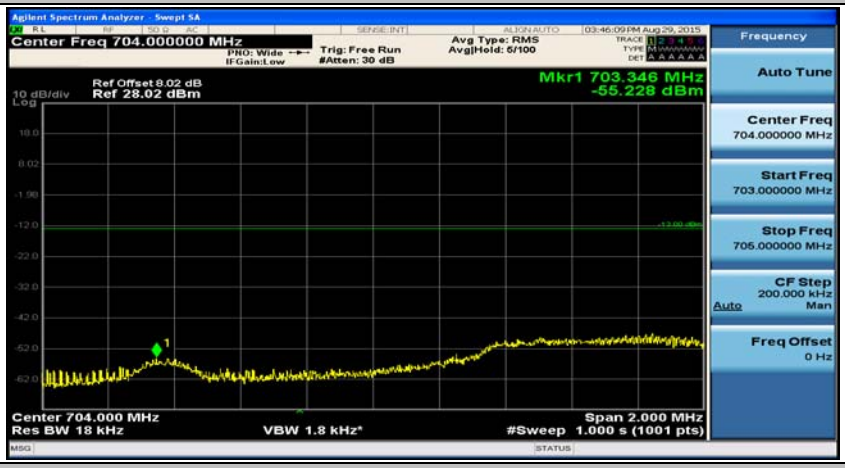
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

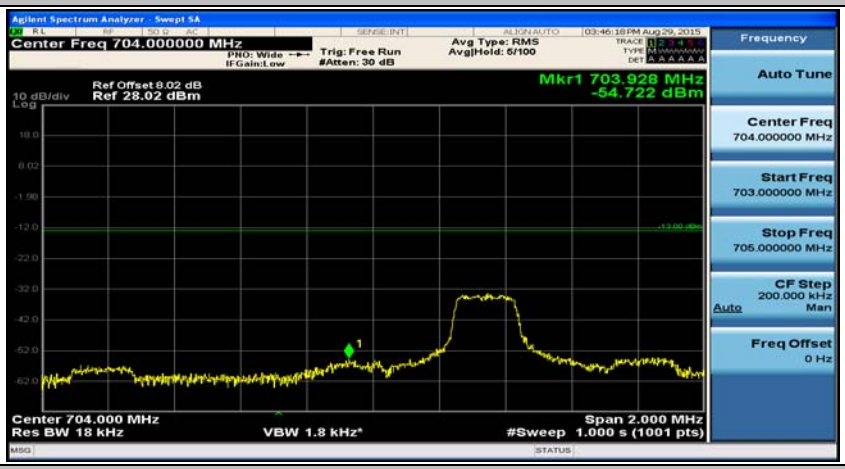
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



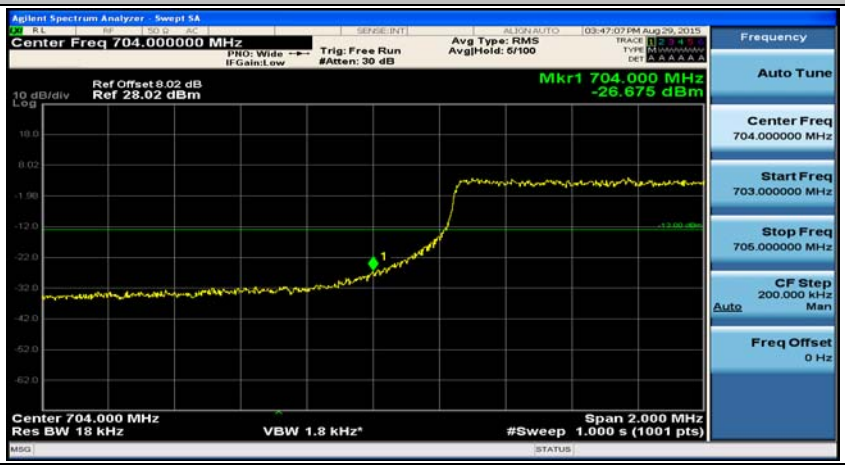
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12




(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

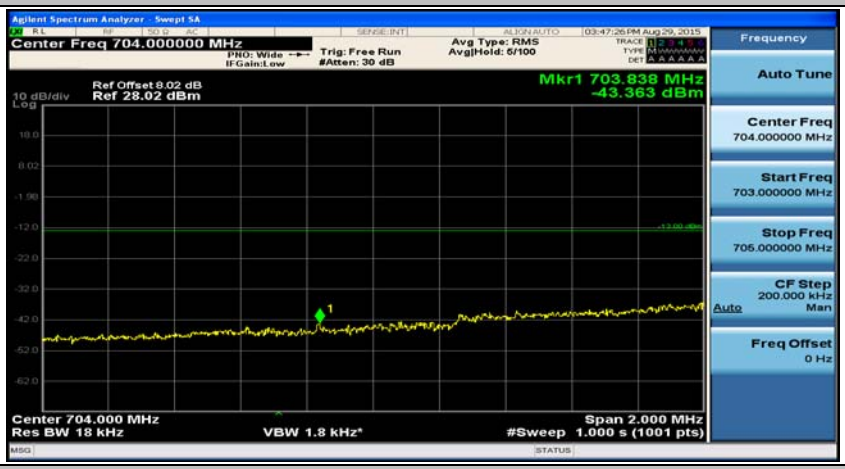



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

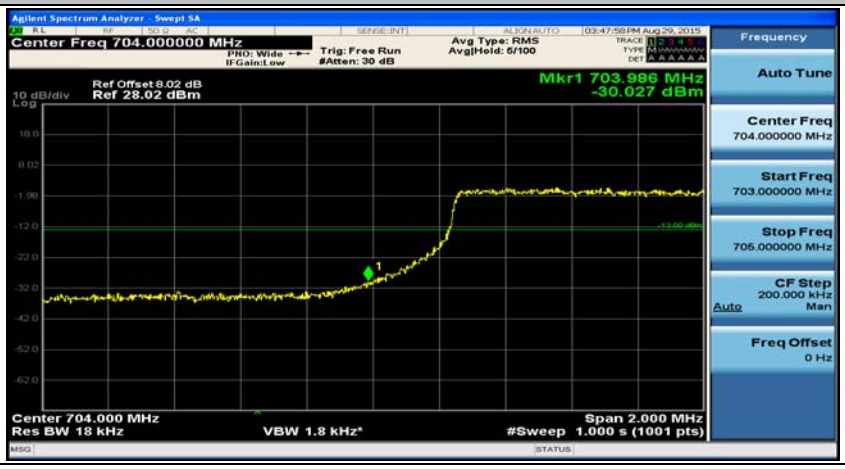


(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

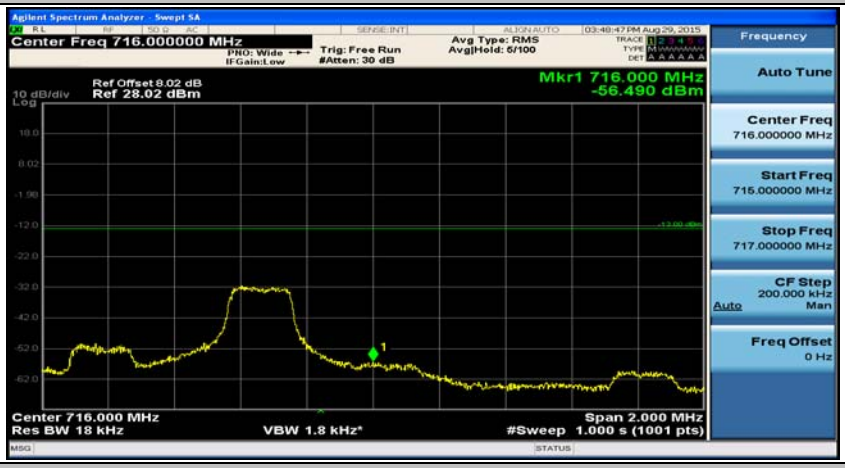
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



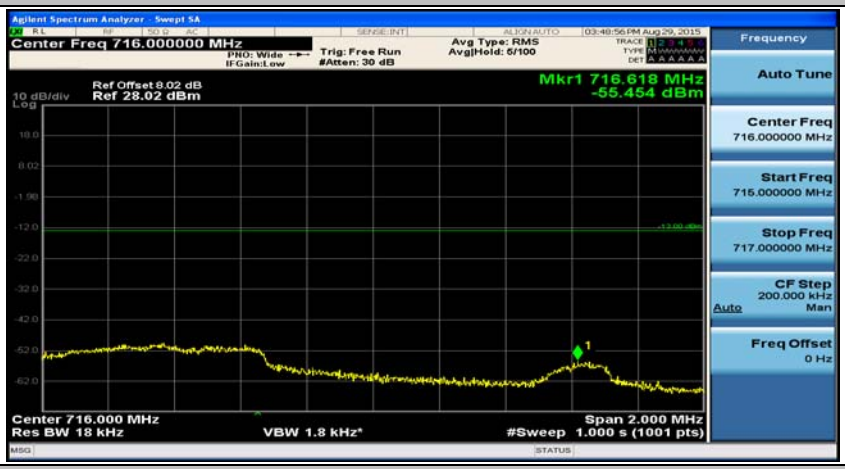

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

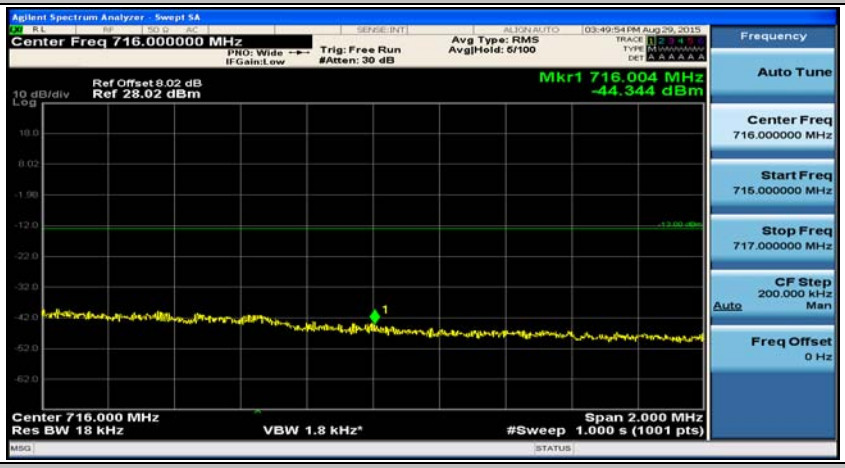



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

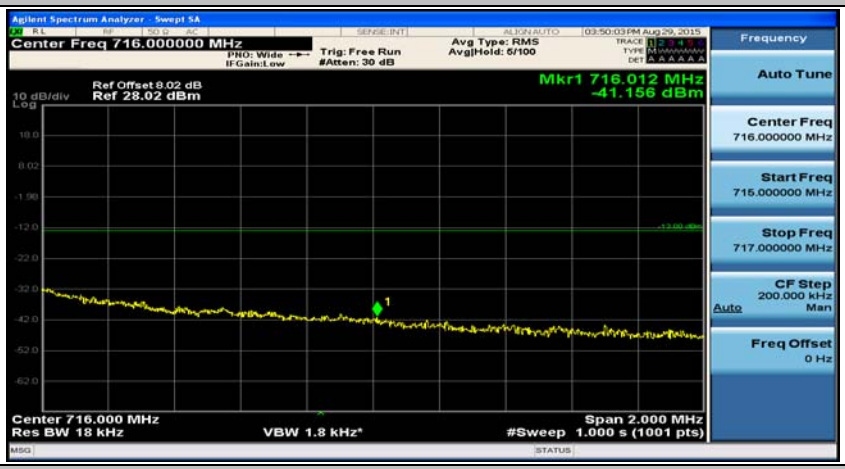



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

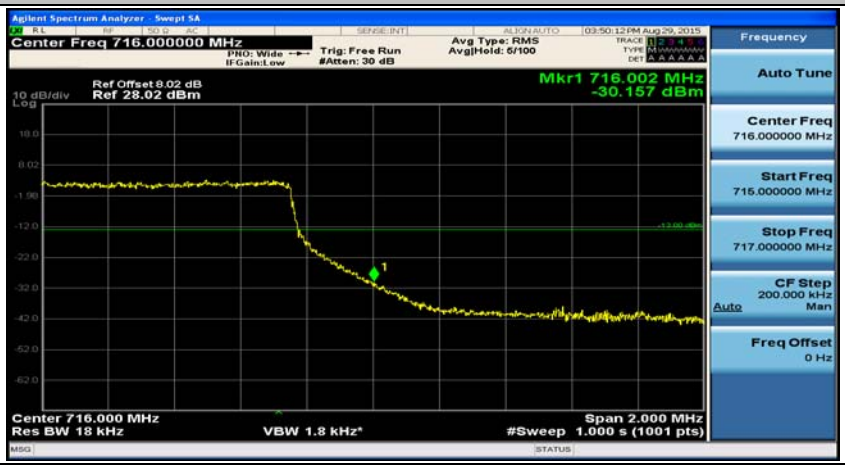
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0




(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



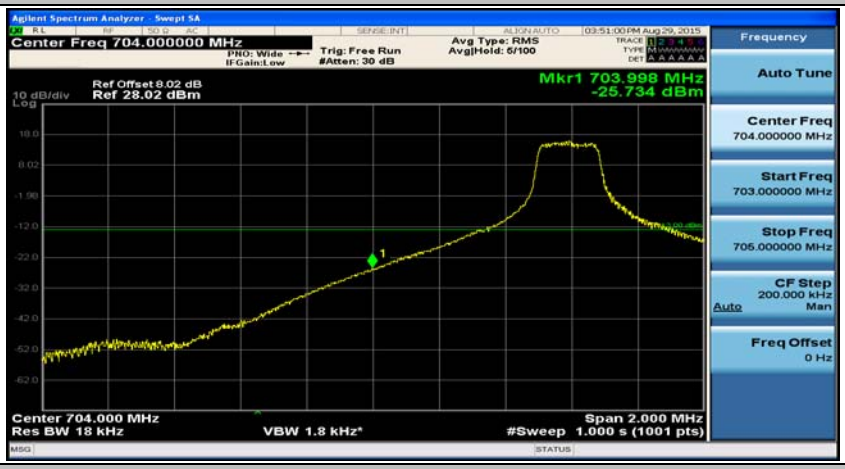

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



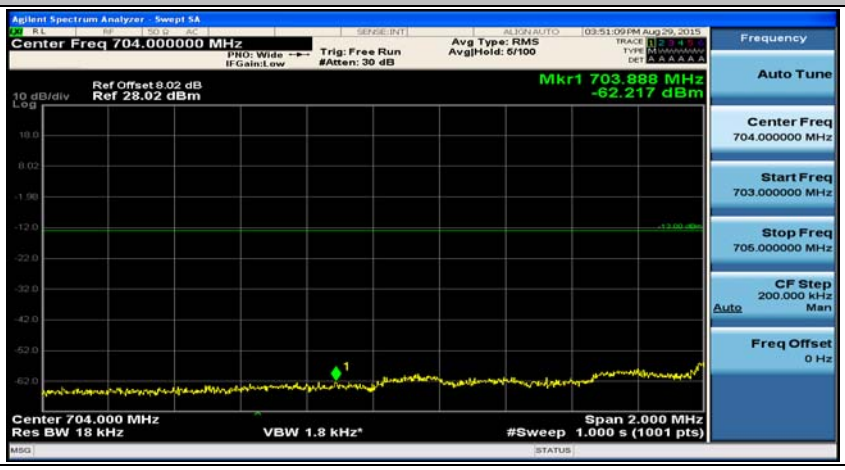
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

## Channel Bandwidth: 10 MHz

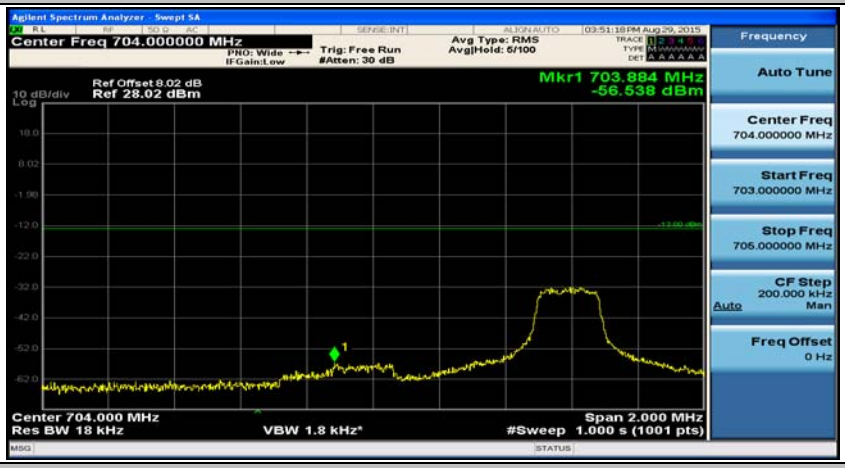
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



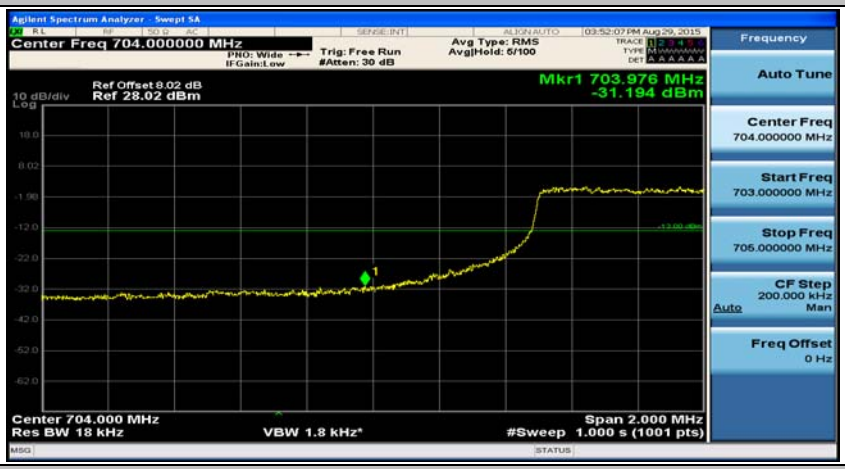

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

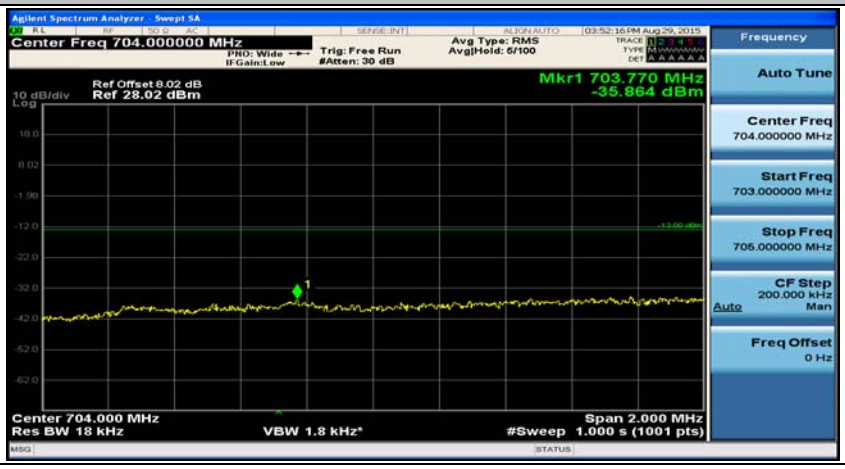


Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49




Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0




Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12