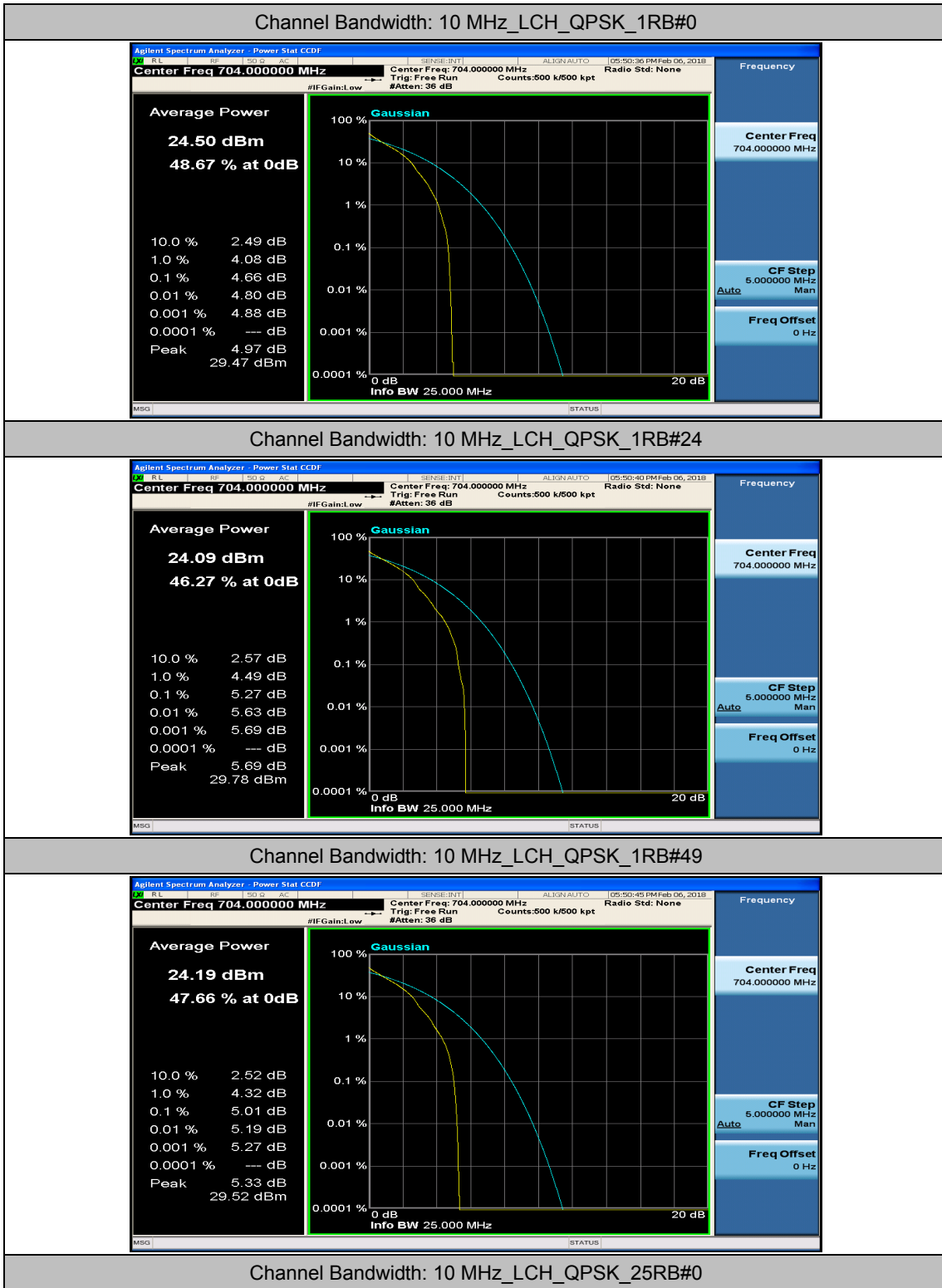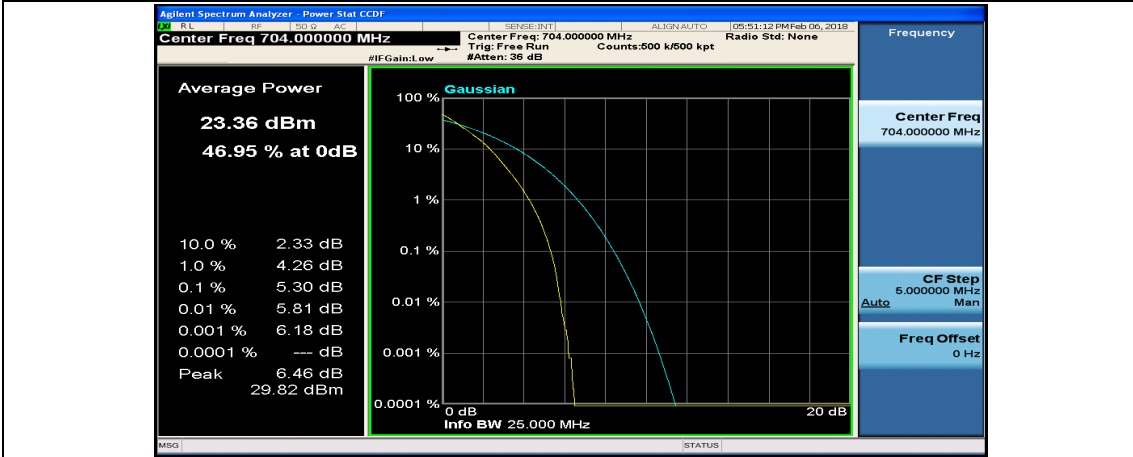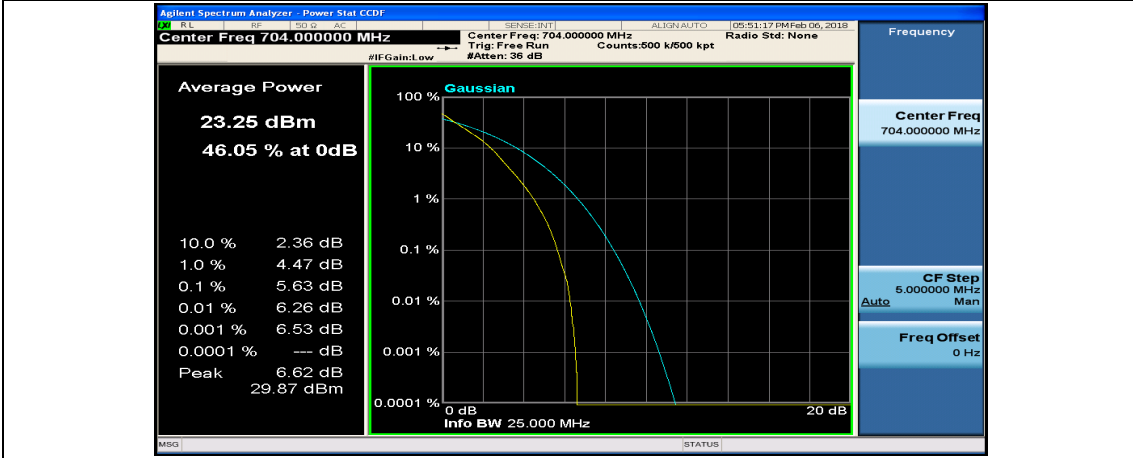## Channel Bandwidth: 10 MHz
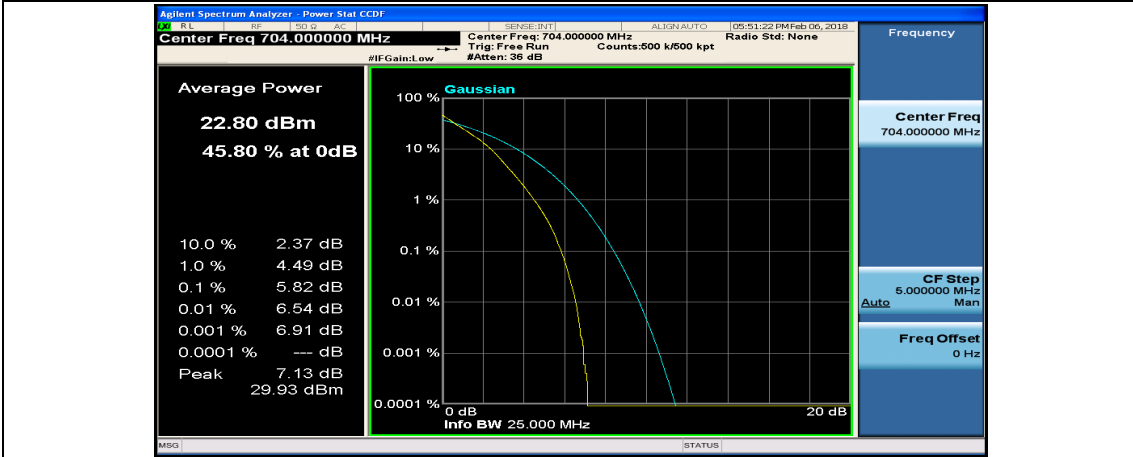
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

Agilent Spectrum Analyzer - Power Stat CCDF
LXI R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   05:51:12 PM Feb 06, 2018
Center Freq 704.000000 MHz   Center Freq: 704.000000 MHz   Radio Std: None
                        #IFGain:Low   Trig: Free Run   Counts:500 k/500 kpt
                                      #Atten: 36 dB

Average Power

23.36 dBm

46.95 % at 0dB

10.0 %   2.33 dB
1.0 %   4.26 dB
0.1 %   5.30 dB
0.01 %   5.81 dB
0.001 %   6.18 dB
0.0001 %   --- dB
Peak   6.46 dB
            29.82 dBm

Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB   20 dB
Info BW 25.000 MHz

Frequency
Center Freq
704.000000 MHz
CF Step
5.000000 MHz
Auto   Man
Freq Offset
0 Hz

MSG   STATUS

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Agilent Spectrum Analyzer - Power Stat CCDF
LXI R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   05:51:17 PM Feb 06, 2018
Center Freq 704.000000 MHz   Center Freq: 704.000000 MHz   Radio Std: None
                        #IFGain:Low   Trig: Free Run   Counts:500 k/500 kpt
                                      #Atten: 36 dB

Average Power

23.25 dBm

46.05 % at 0dB

10.0 %   2.36 dB
1.0 %   4.47 dB
0.1 %   5.63 dB
0.01 %   6.26 dB
0.001 %   6.53 dB
0.0001 %   --- dB
Peak   6.62 dB
            29.87 dBm

Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB   20 dB
Info BW 25.000 MHz

Frequency
Center Freq
704.000000 MHz
CF Step
5.000000 MHz
Auto   Man
Freq Offset
0 Hz

MSG   STATUS

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

Agilent Spectrum Analyzer - Power Stat CCDF
LXI R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   05:51:22 PM Feb 06, 2018
Center Freq 704.000000 MHz   Center Freq: 704.000000 MHz   Radio Std: None
                        #IFGain:Low   Trig: Free Run   Counts:500 k/500 kpt
                                      #Atten: 36 dB

Average Power

22.80 dBm

45.80 % at 0dB

10.0 %   2.37 dB
1.0 %   4.49 dB
0.1 %   5.82 dB
0.01 %   6.54 dB
0.001 %   6.91 dB
0.0001 %   --- dB
Peak   7.13 dB
            29.93 dBm

Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB   20 dB
Info BW 25.000 MHz

Frequency
Center Freq
704.000000 MHz
CF Step
5.000000 MHz
Auto   Man
Freq Offset
0 Hz

MSG   STATUS

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

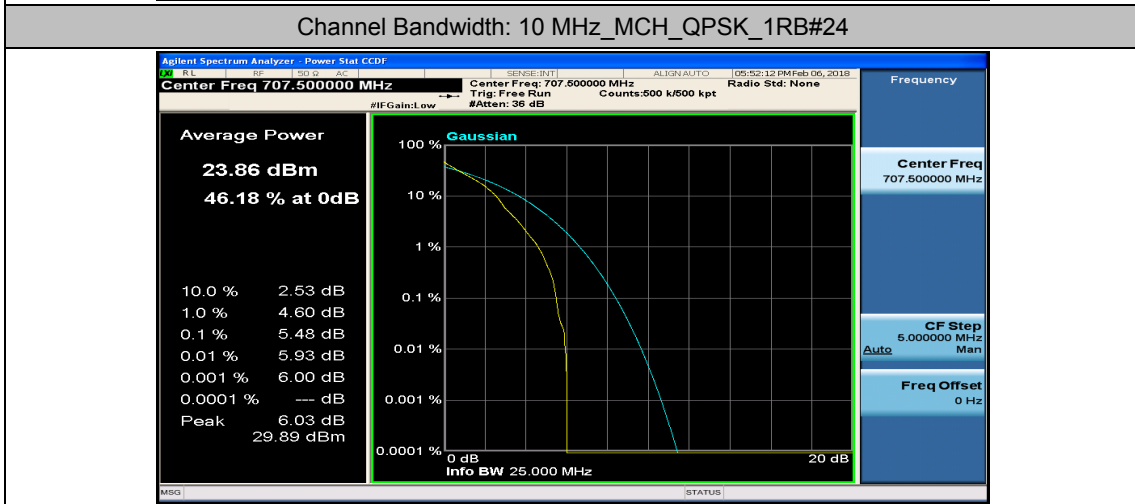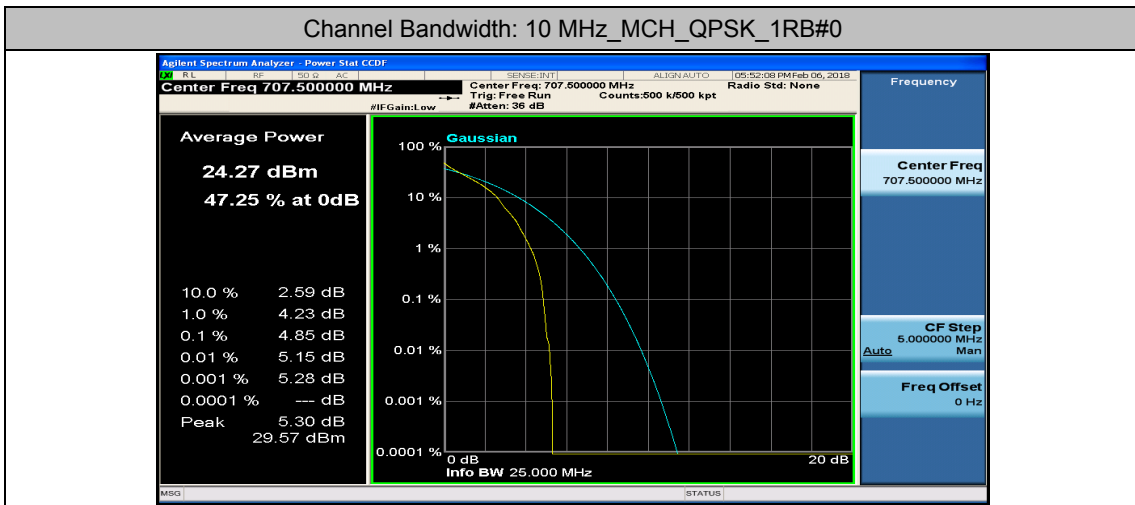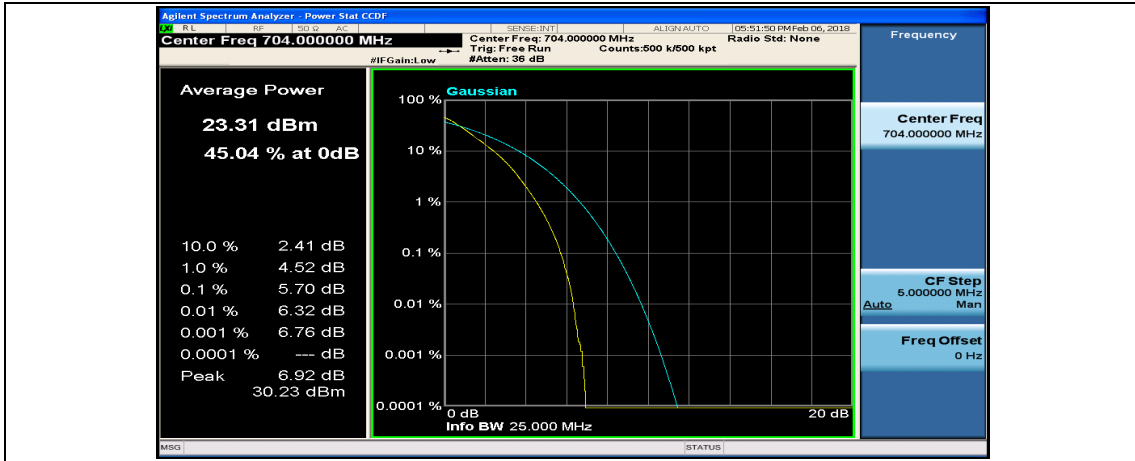Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0
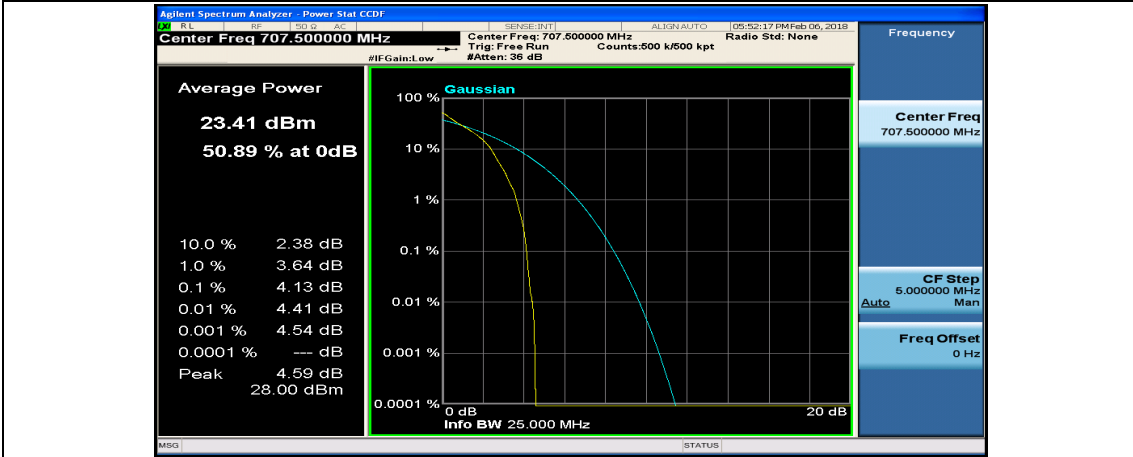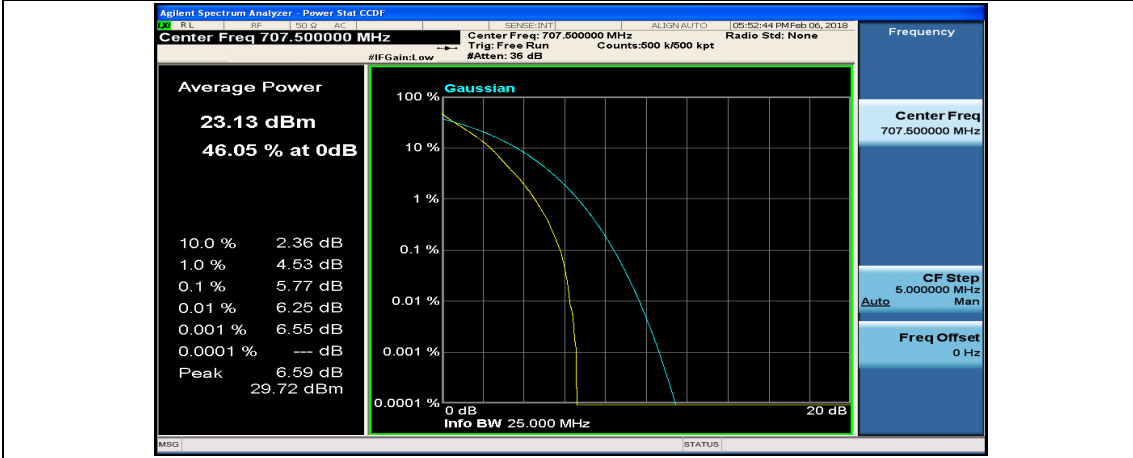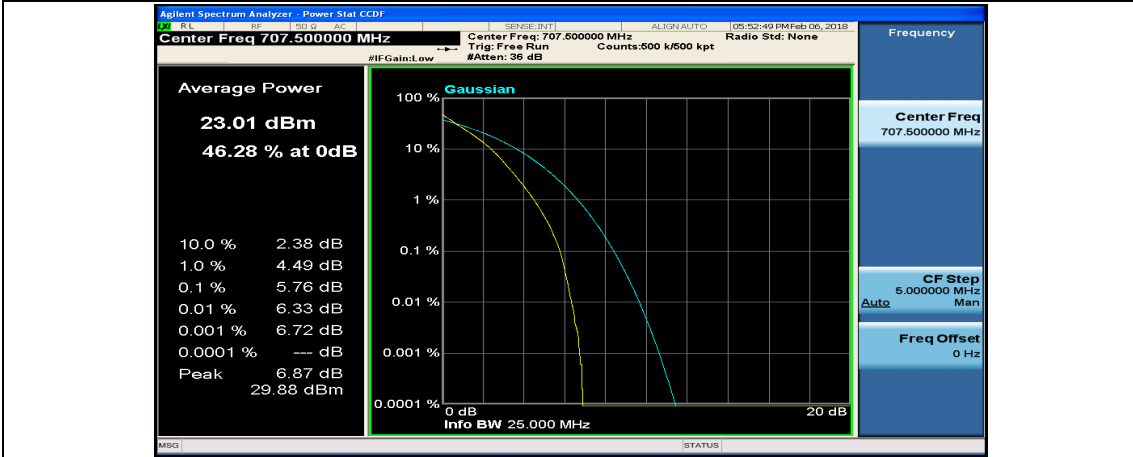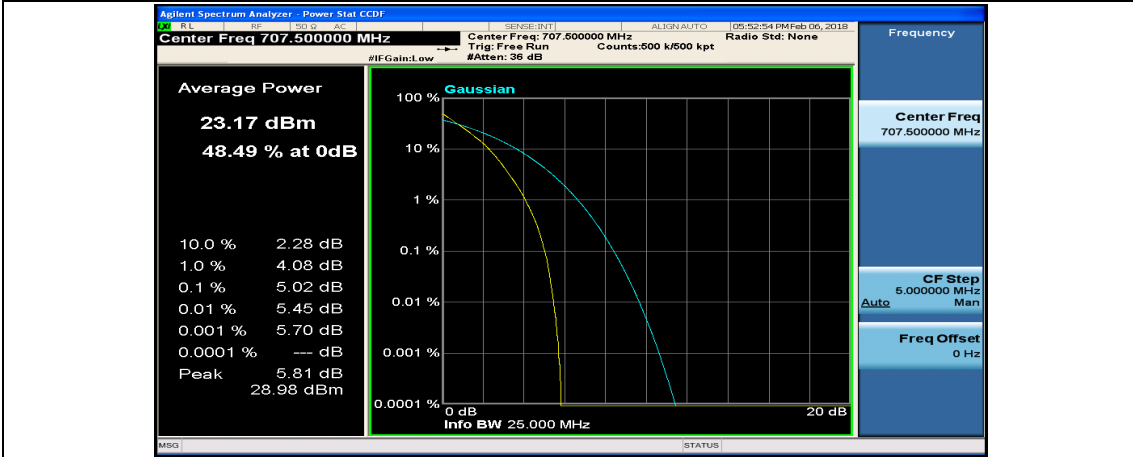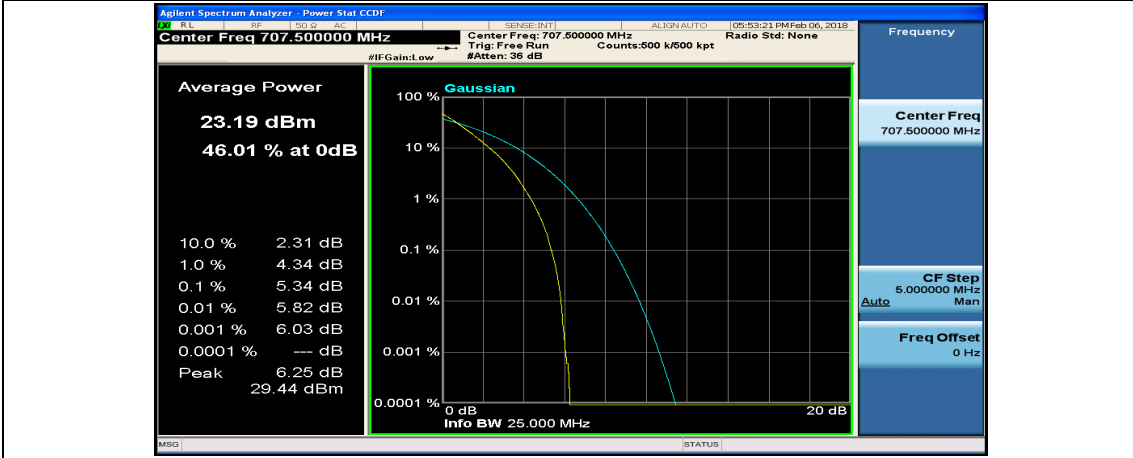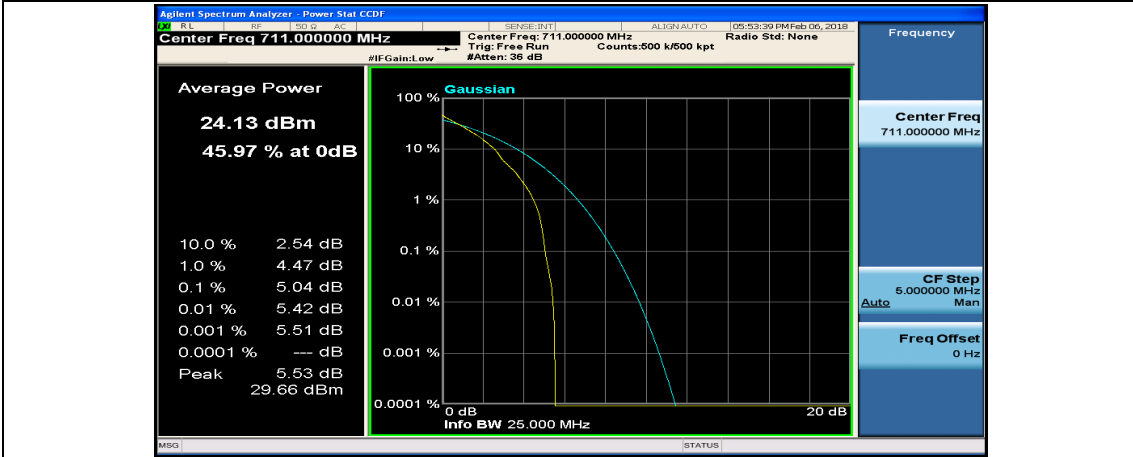

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

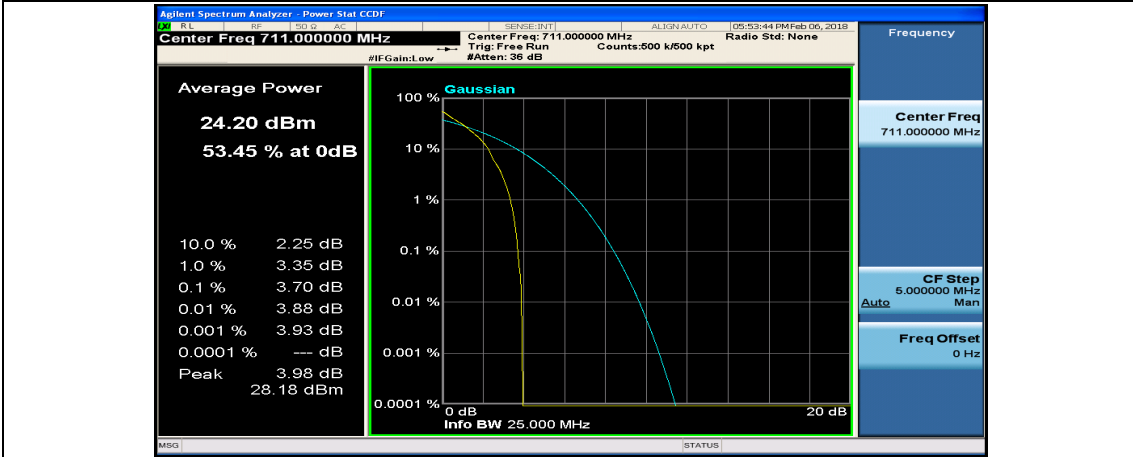Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25
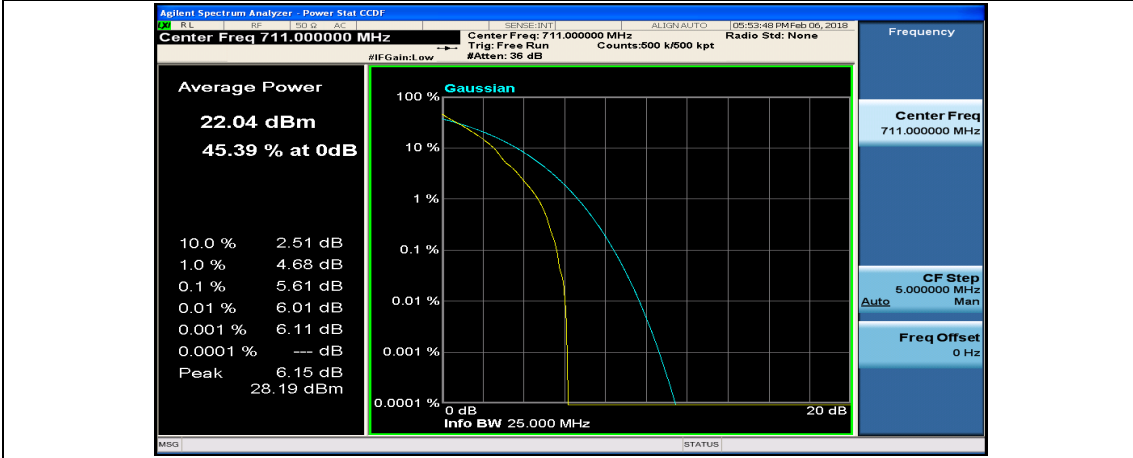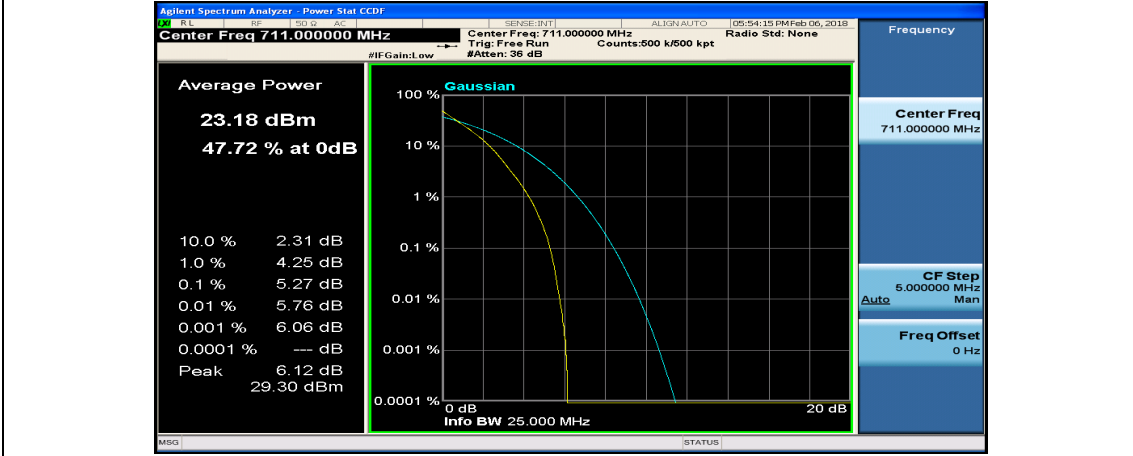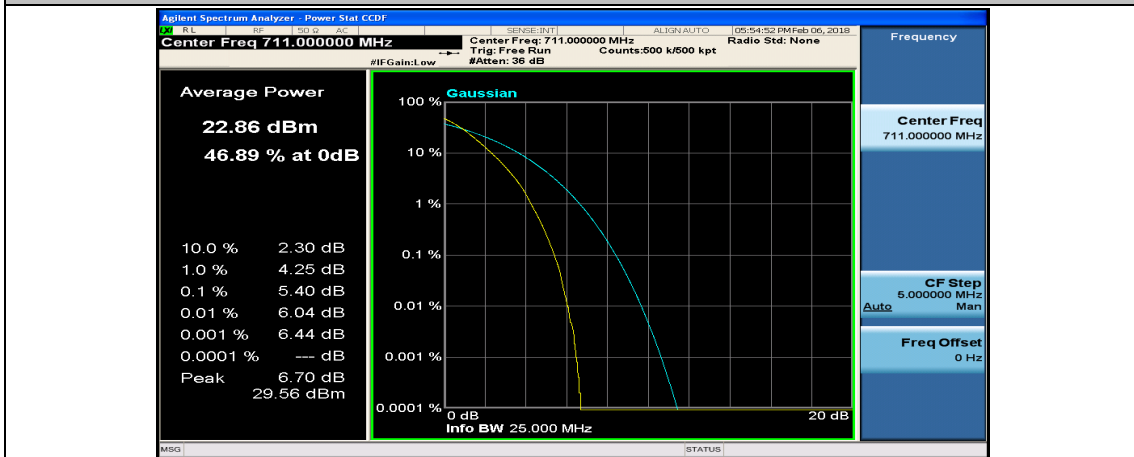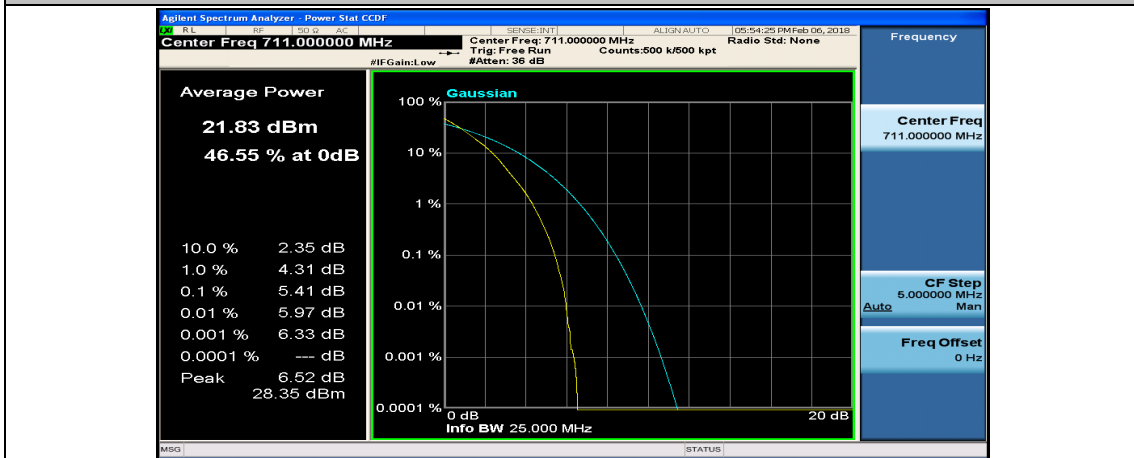
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

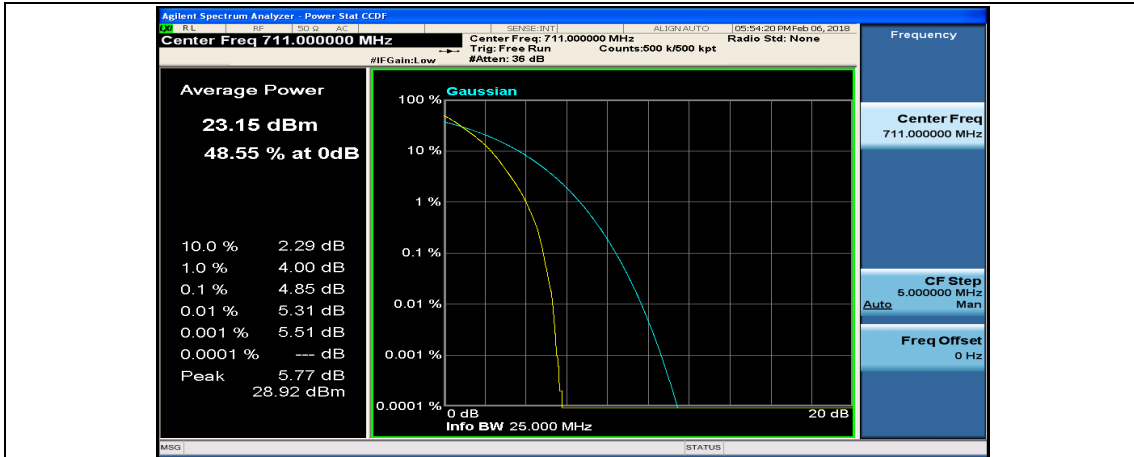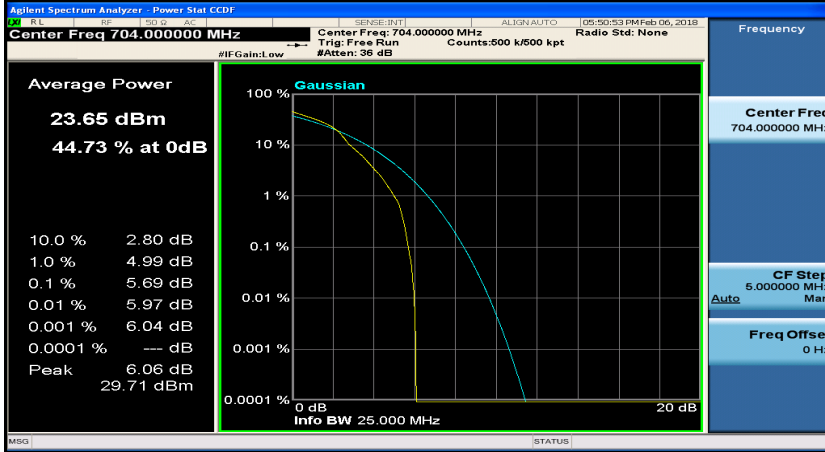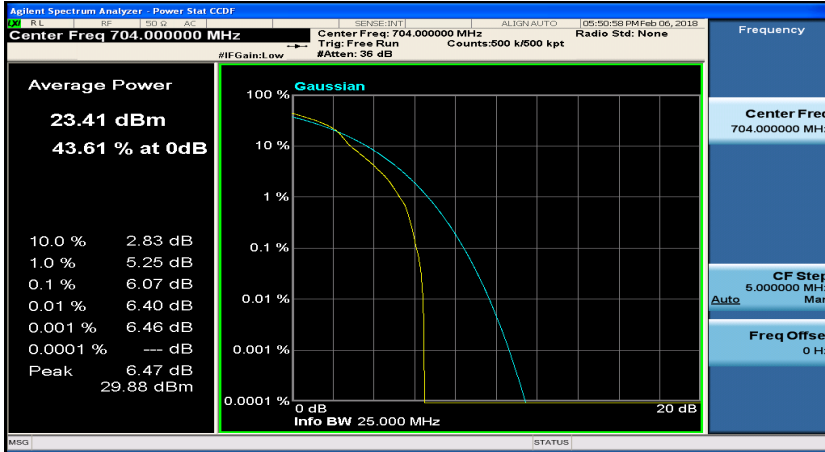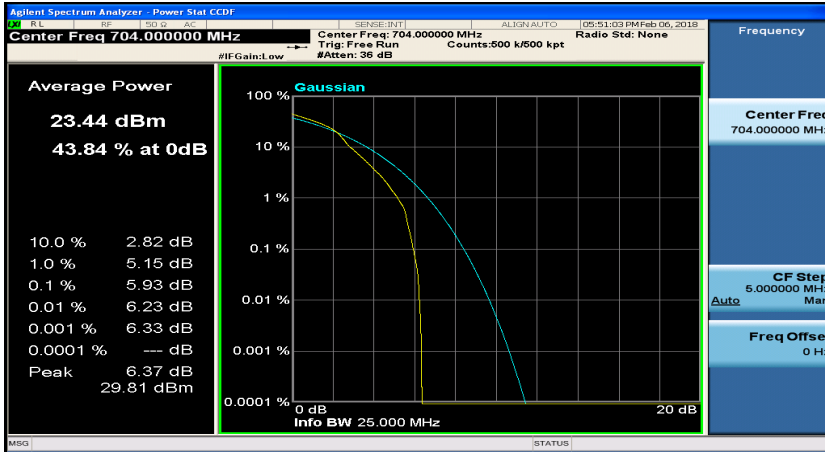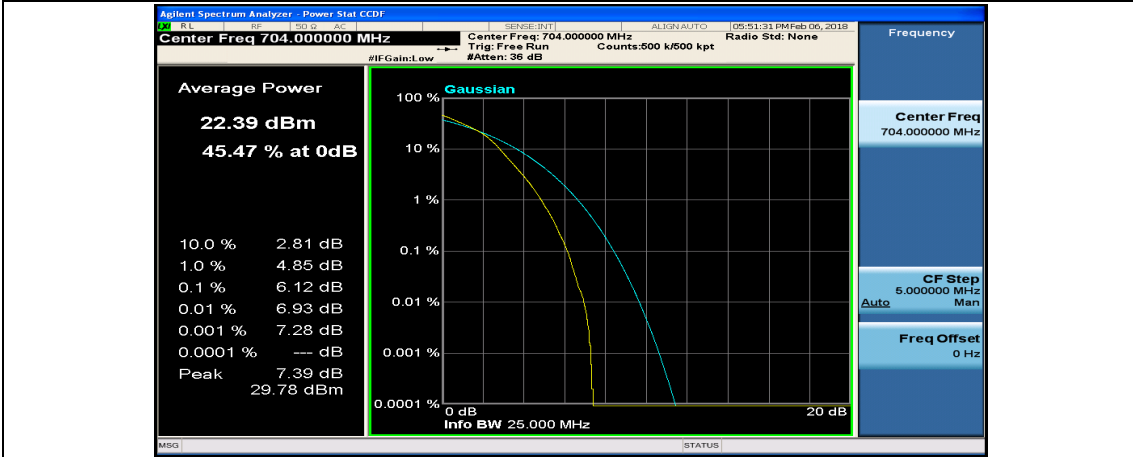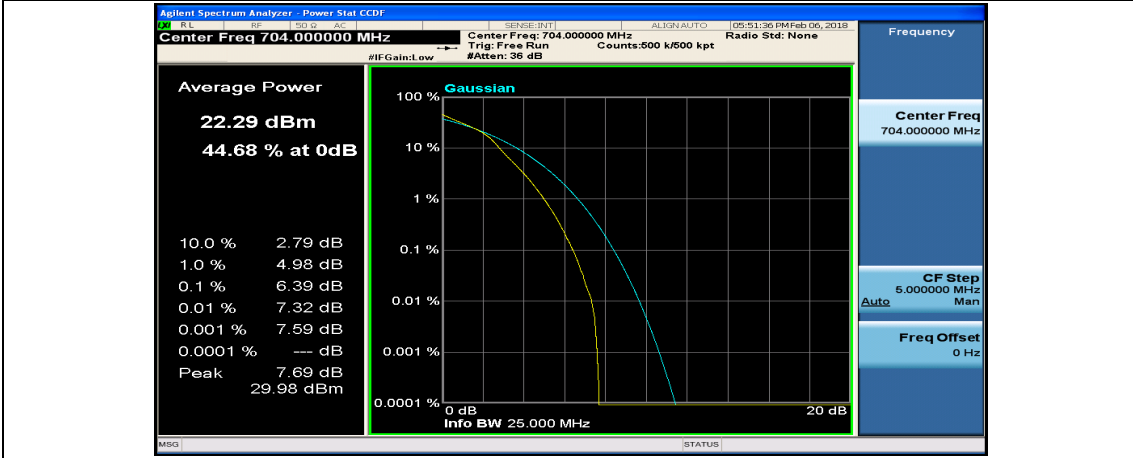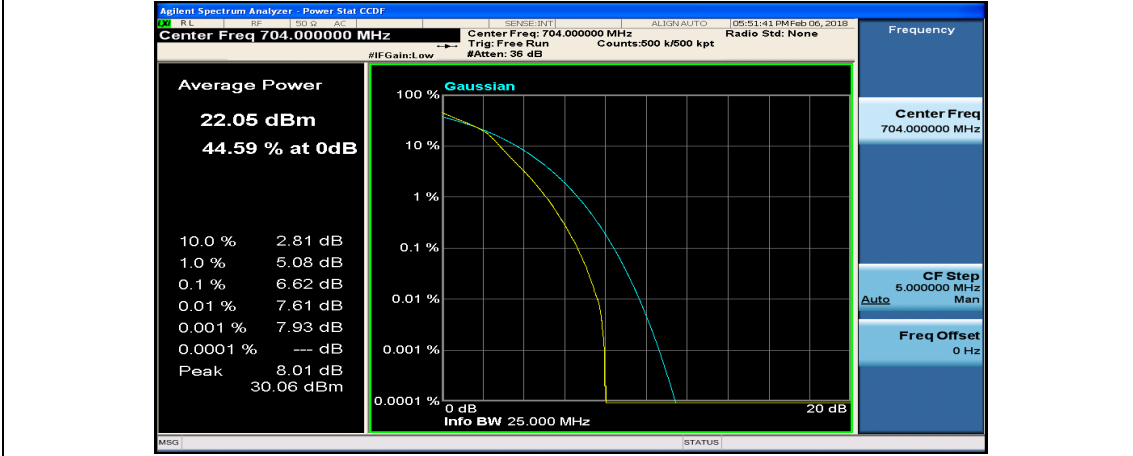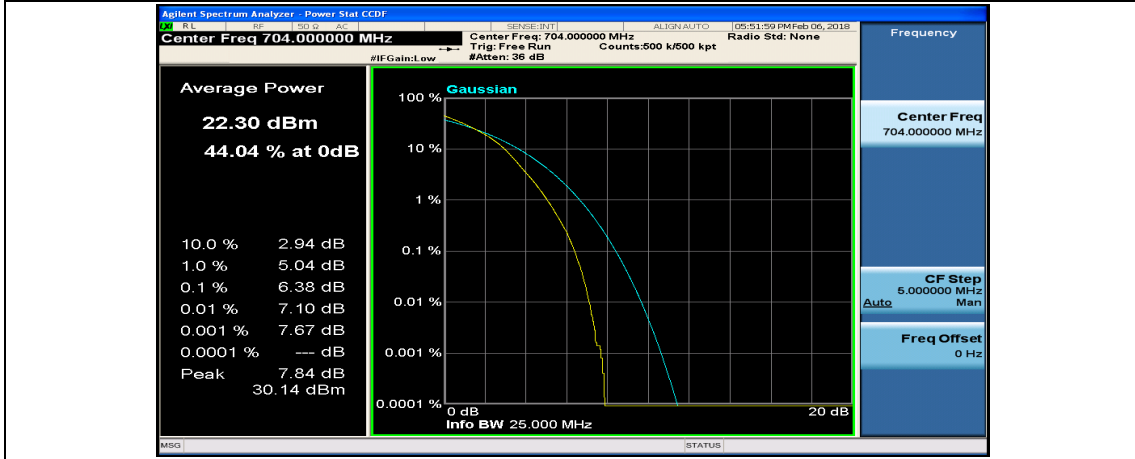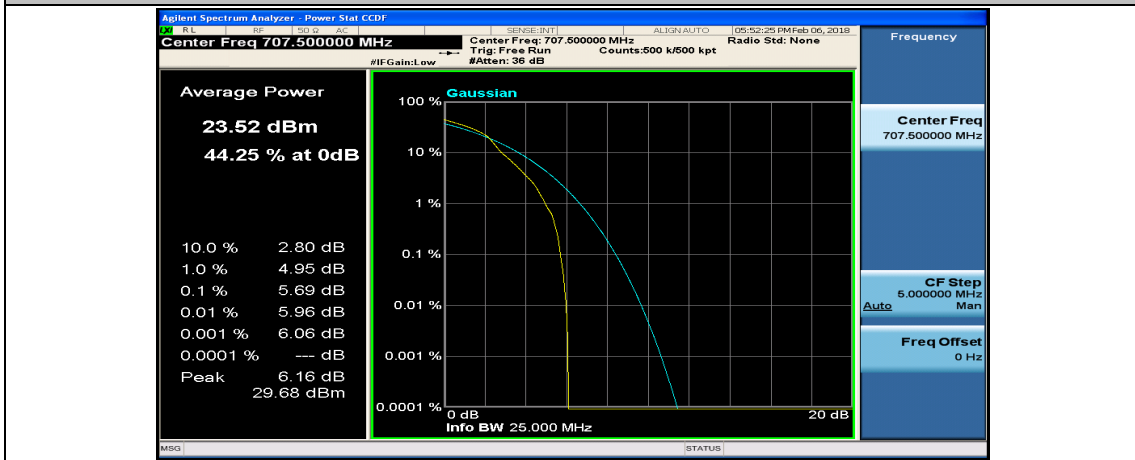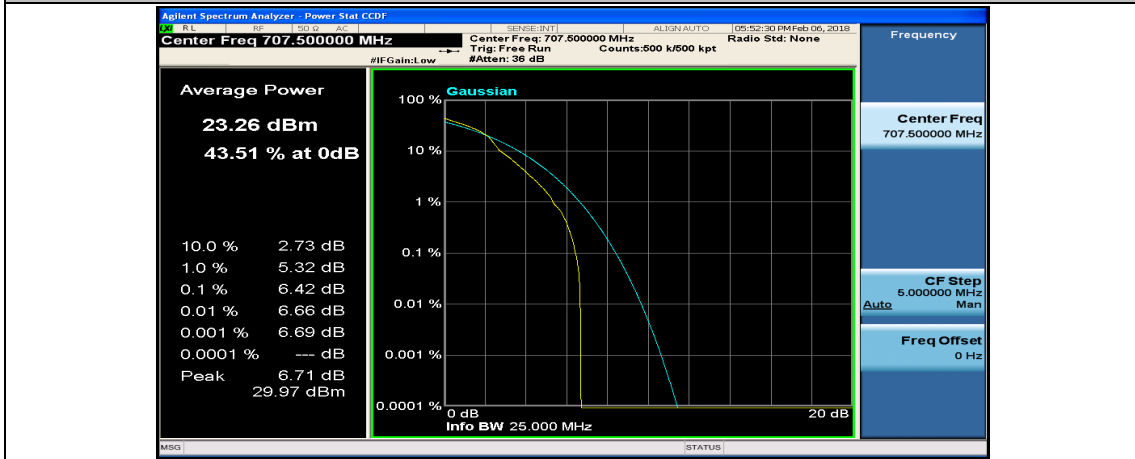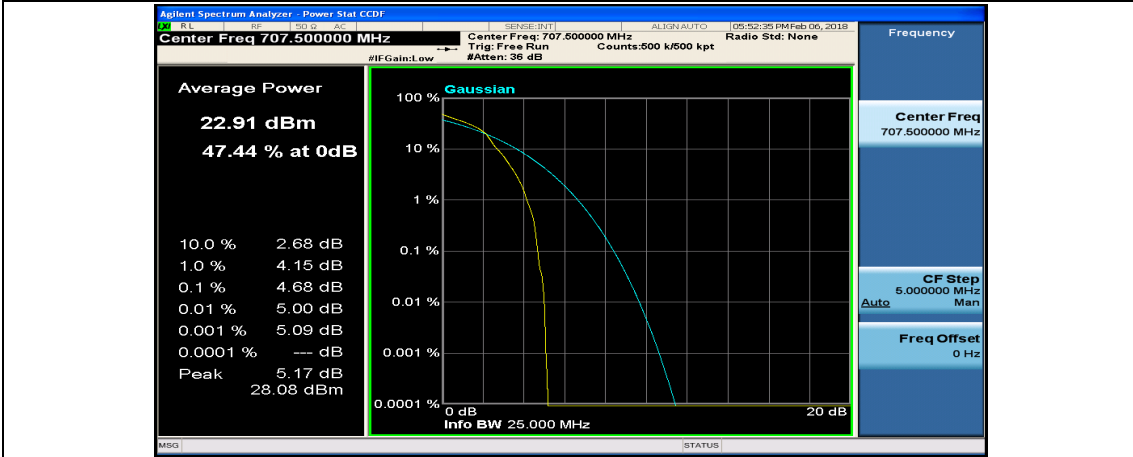Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0
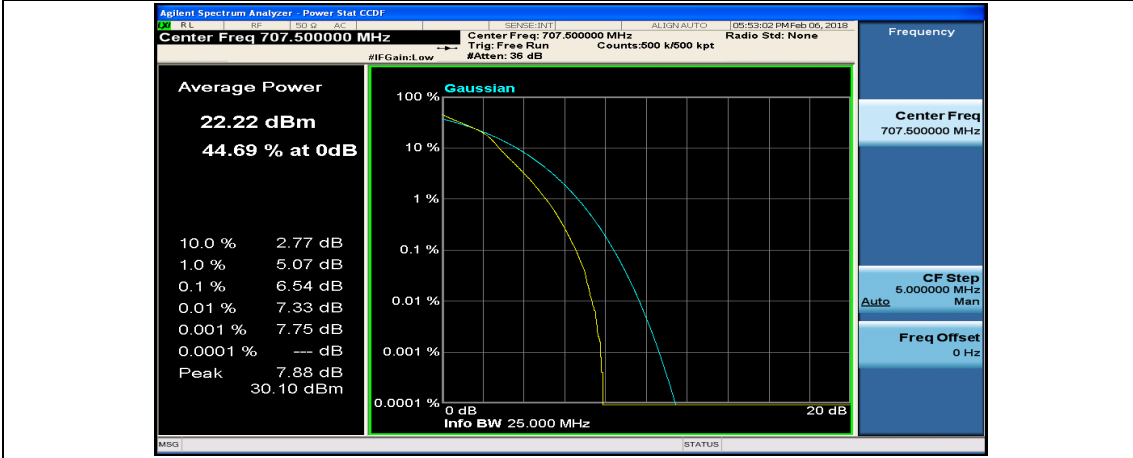

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

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

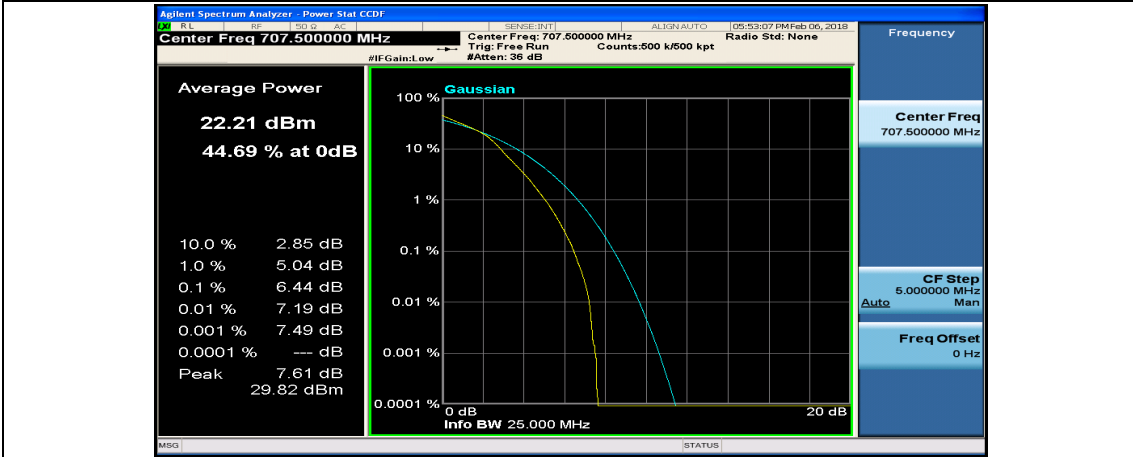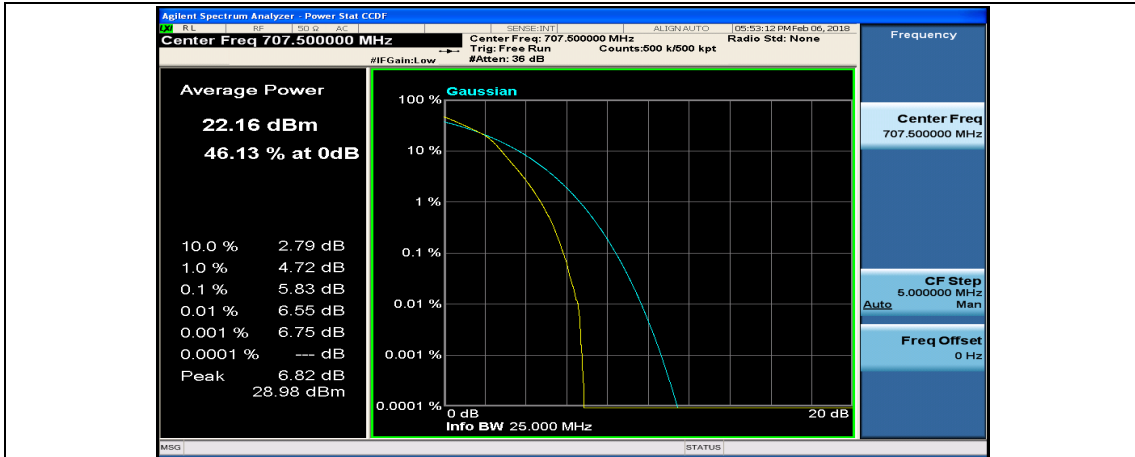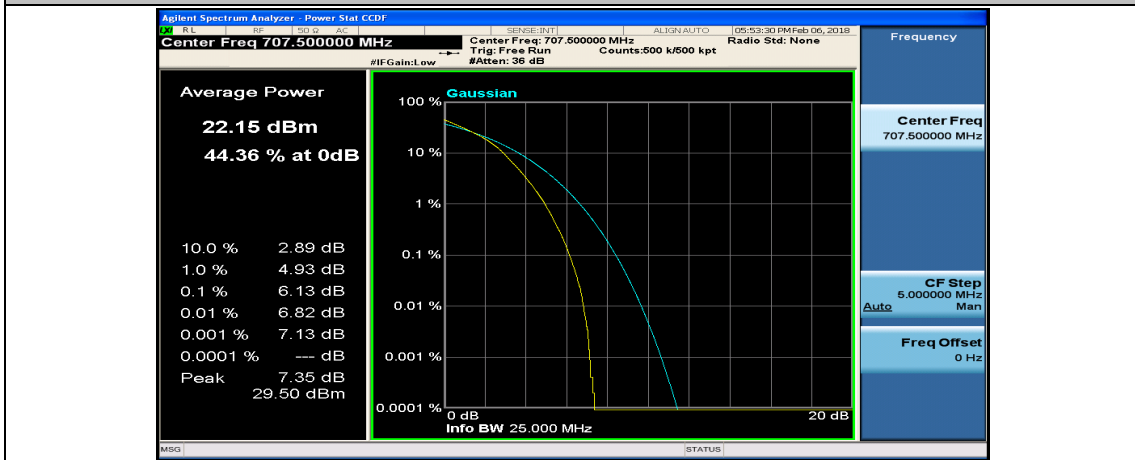| Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0 |
|---|

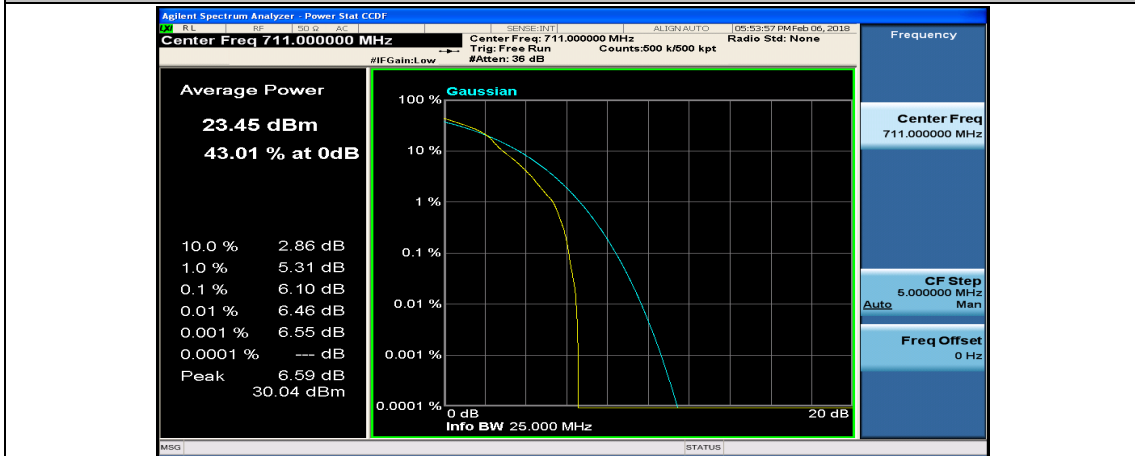Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12

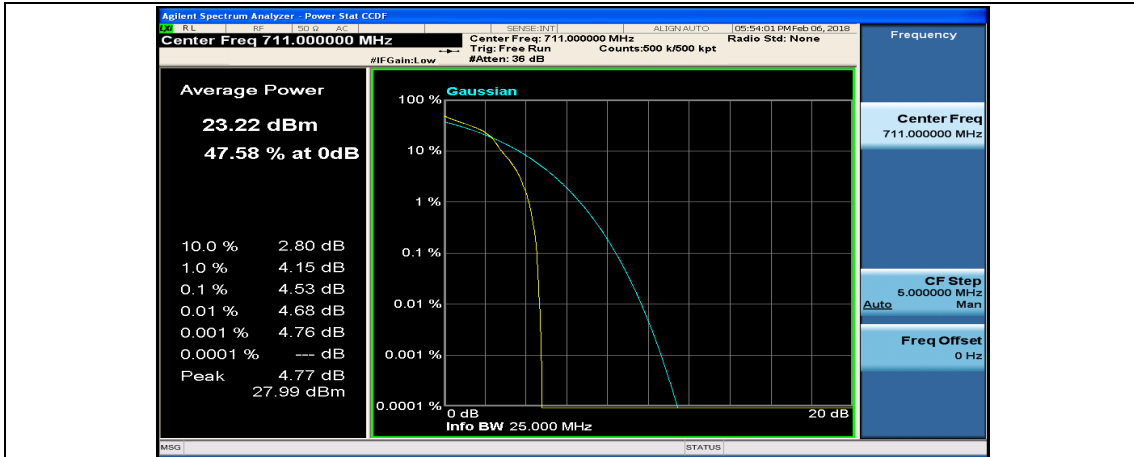Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

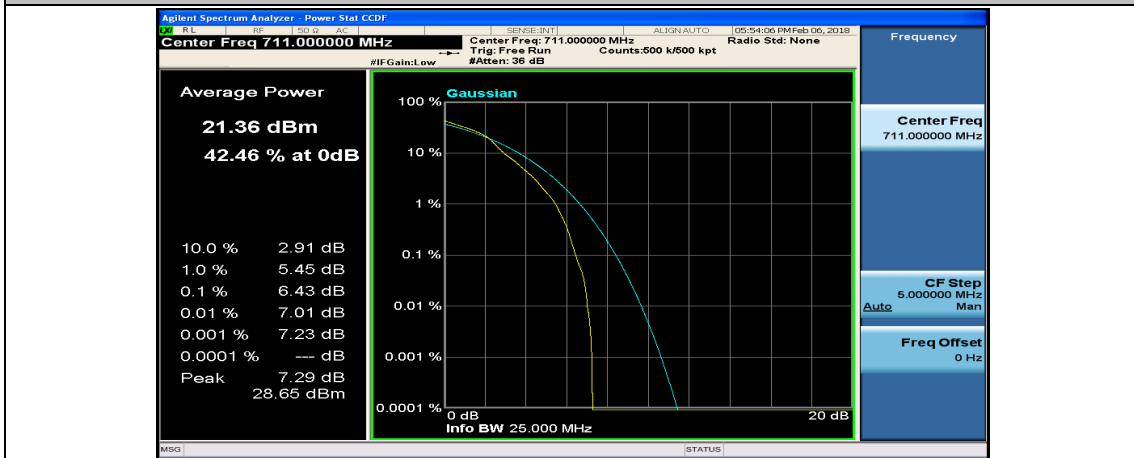Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 707.500000 MHz
SENSE:INT   ALIGN AUTO   05:52:35 PM Feb 06, 2018
Center Freq: 707.500000 MHz   Radio Std: None
Trig: Free Run   Counts:500 k/500 kpt
#Atten: 36 dB
#IFGain:Low

Average Power

22.91 dBm

47.44 % at 0dB

10.0 %	2.68 dB
1.0 %	4.15 dB
0.1 %	4.68 dB
0.01 %	5.00 dB
0.001 %	5.09 dB
0.0001 %	--- dB
Peak	5.17 dB
	28.08 dBm

100 %   Gaussian
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %   0 dB   20 dB
Info BW 25.000 MHz

Frequency
Center Freq 707.500000 MHz
CF Step 5.000000 MHz   Auto   Man
Freq Offset 0 Hz

MSG   STATUS

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 707.500000 MHz
SENSE:INT   ALIGN AUTO   05:53:02 PM Feb 06, 2018
Center Freq: 707.500000 MHz   Radio Std: None
Trig: Free Run   Counts:500 k/500 kpt
#Atten: 36 dB
#IFGain:Low

Average Power

22.22 dBm

44.69 % at 0dB

10.0 %	2.77 dB
1.0 %	5.07 dB
0.1 %	6.54 dB
0.01 %	7.33 dB
0.001 %	7.75 dB
0.0001 %	--- dB
Peak	7.88 dB
	30.10 dBm

100 %   Gaussian
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %   0 dB   20 dB
Info BW 25.000 MHz

Frequency
Center Freq 707.500000 MHz
CF Step 5.000000 MHz   Auto   Man
Freq Offset 0 Hz

MSG   STATUS

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 707.500000 MHz
SENSE:INT   ALIGN AUTO   05:53:07 PM Feb 06, 2018
Center Freq: 707.500000 MHz   Radio Std: None
Trig: Free Run   Counts:500 k/500 kpt
#Atten: 36 dB
#IFGain:Low

Average Power

22.21 dBm

44.69 % at 0dB

10.0 %	2.85 dB
1.0 %	5.04 dB
0.1 %	6.44 dB
0.01 %	7.19 dB
0.001 %	7.49 dB
0.0001 %	--- dB
Peak	7.61 dB
	29.82 dBm

100 %   Gaussian
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %   0 dB   20 dB
Info BW 25.000 MHz

Frequency
Center Freq 707.500000 MHz
CF Step 5.000000 MHz   Auto   Man
Freq Offset 0 Hz

MSG   STATUS

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0
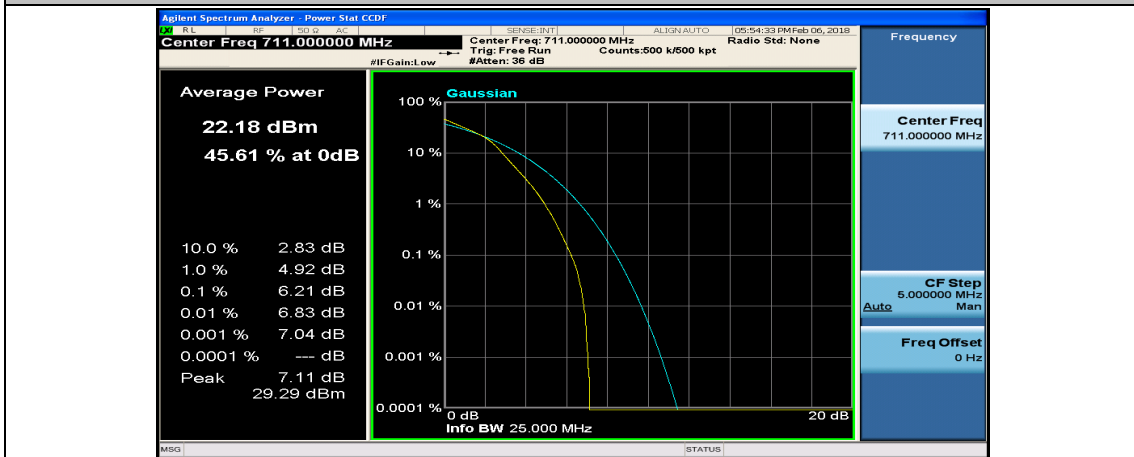

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

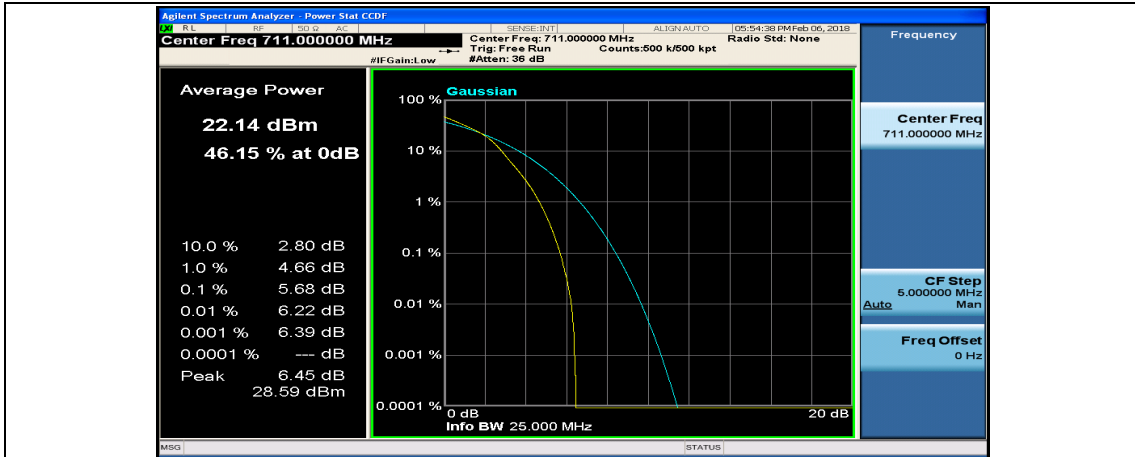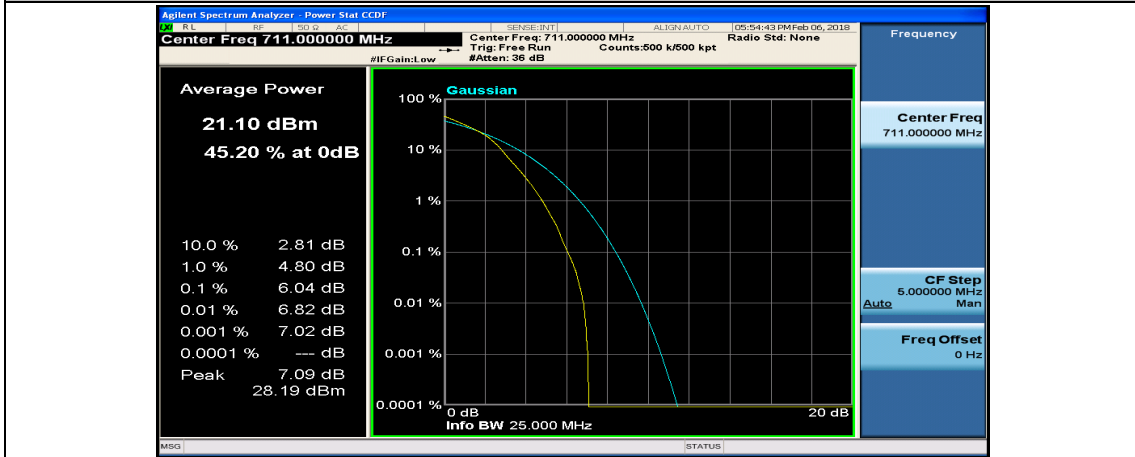Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49
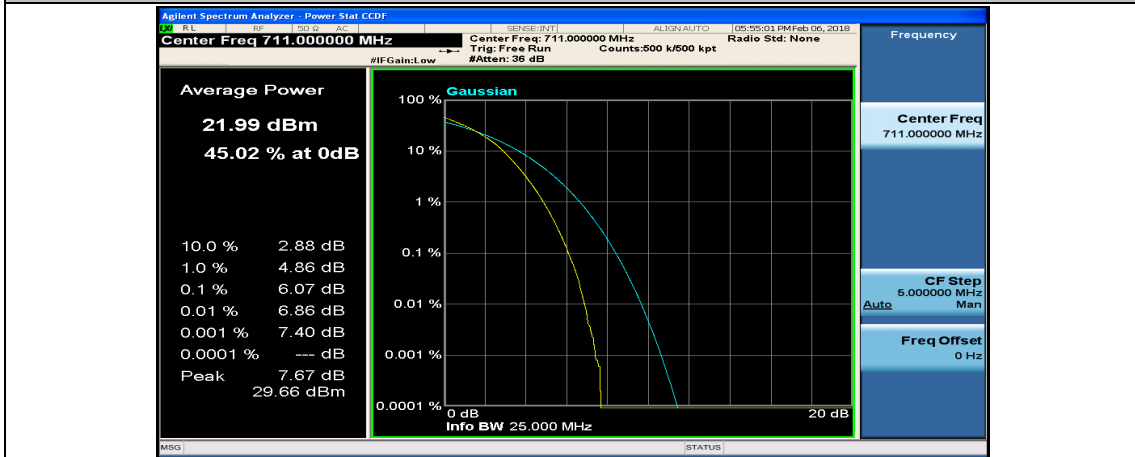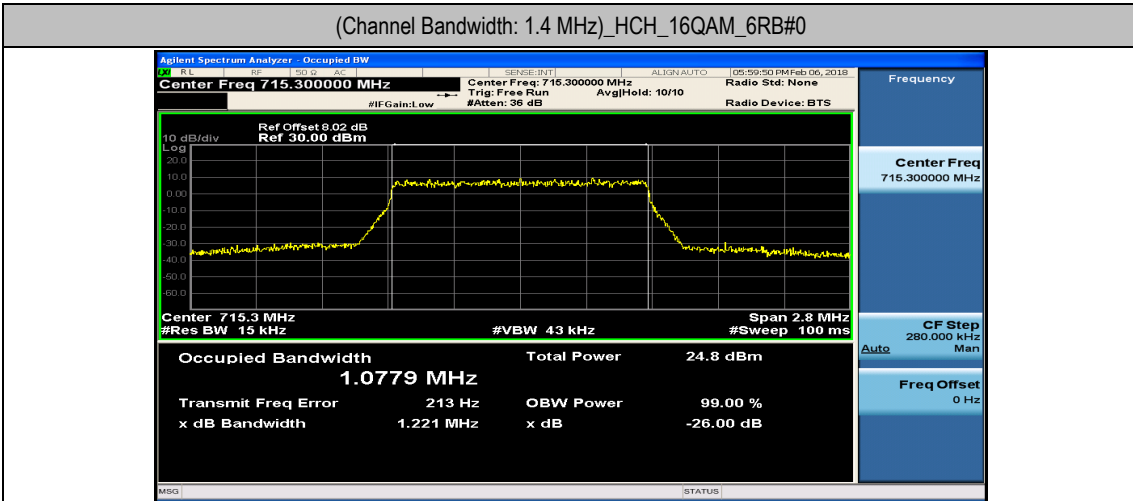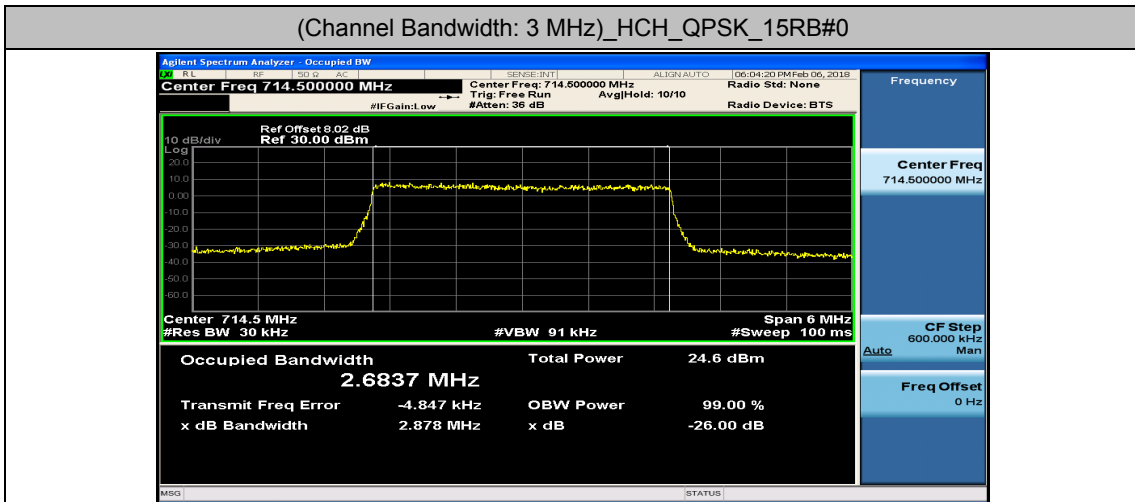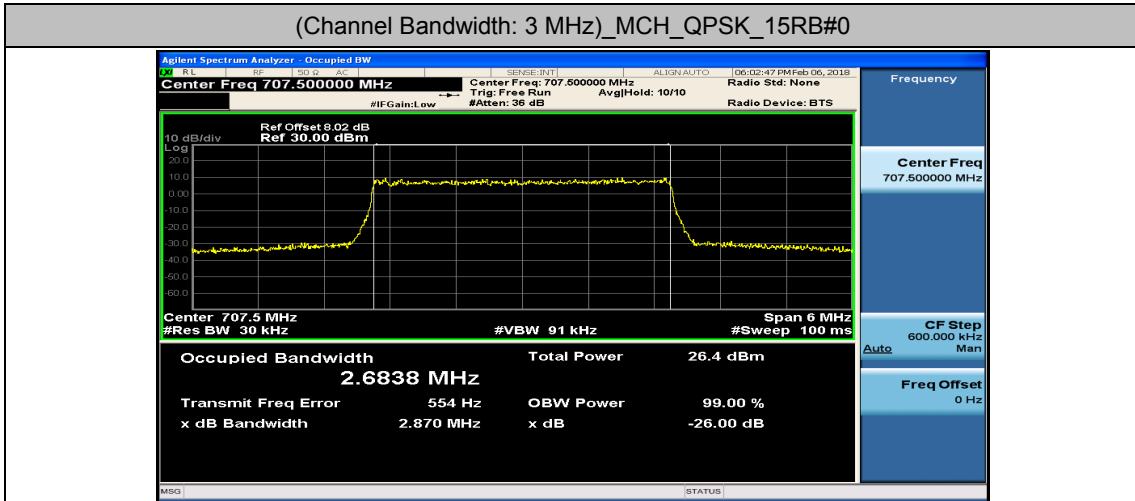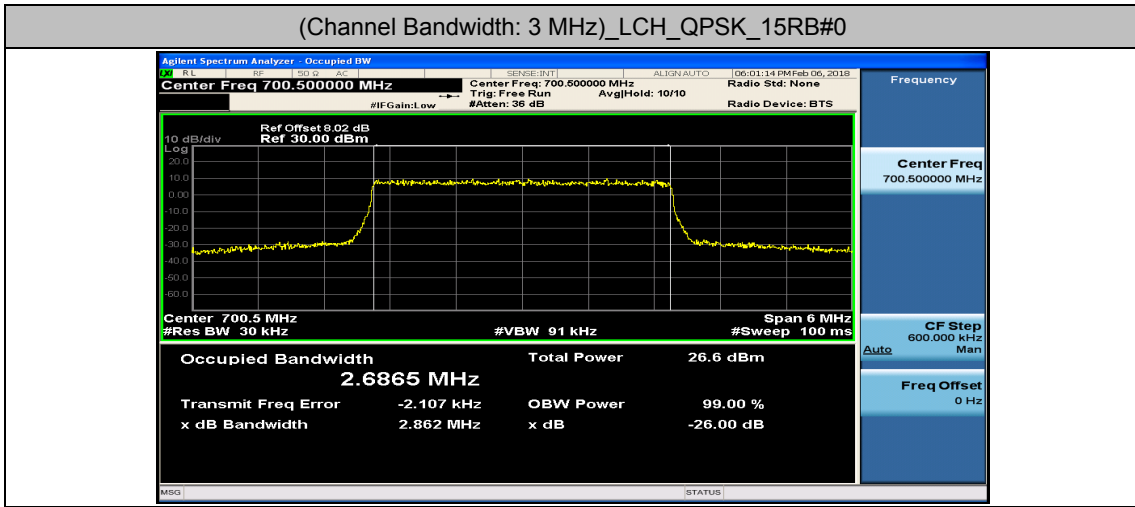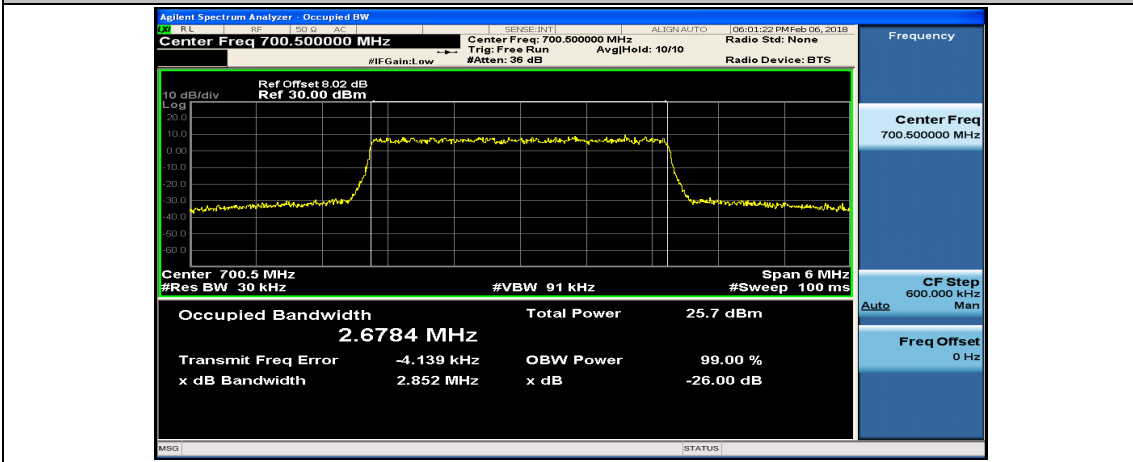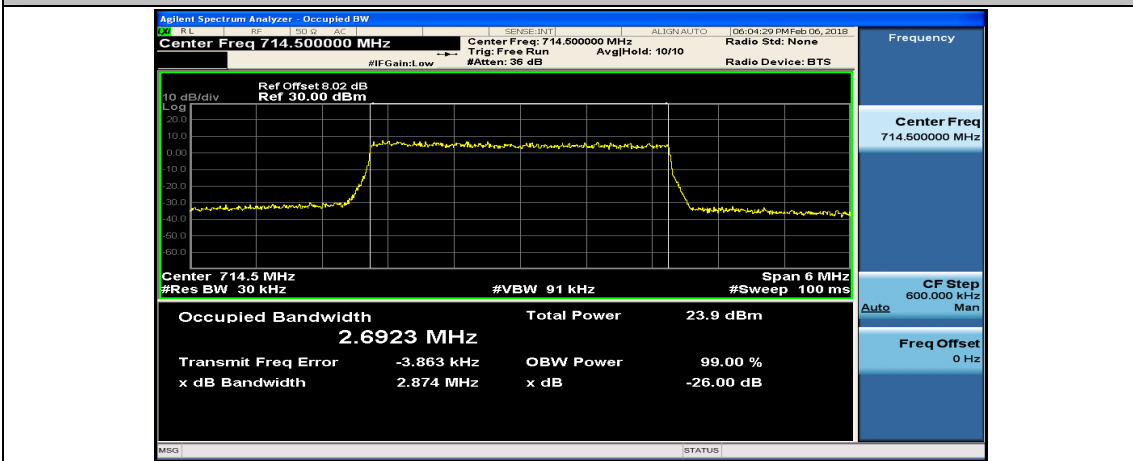

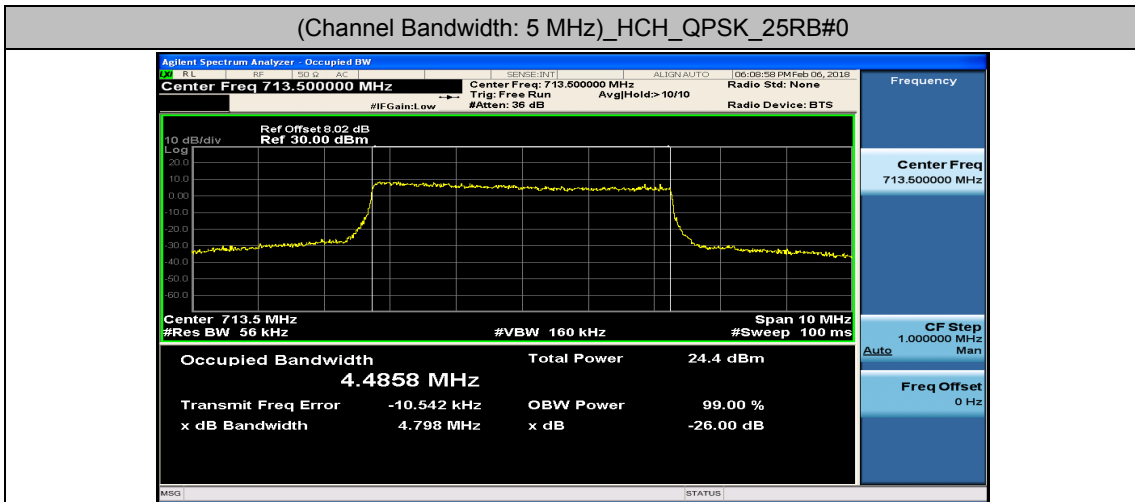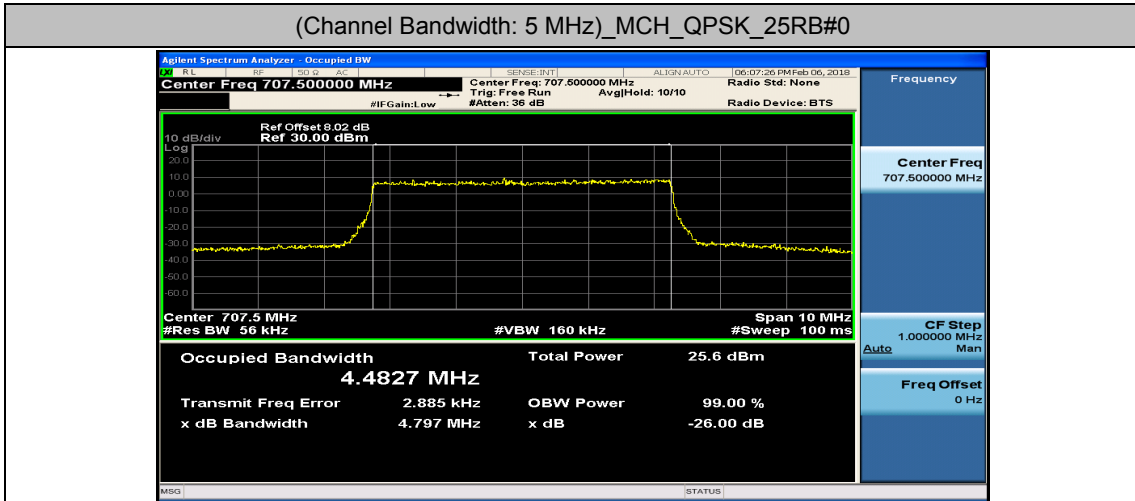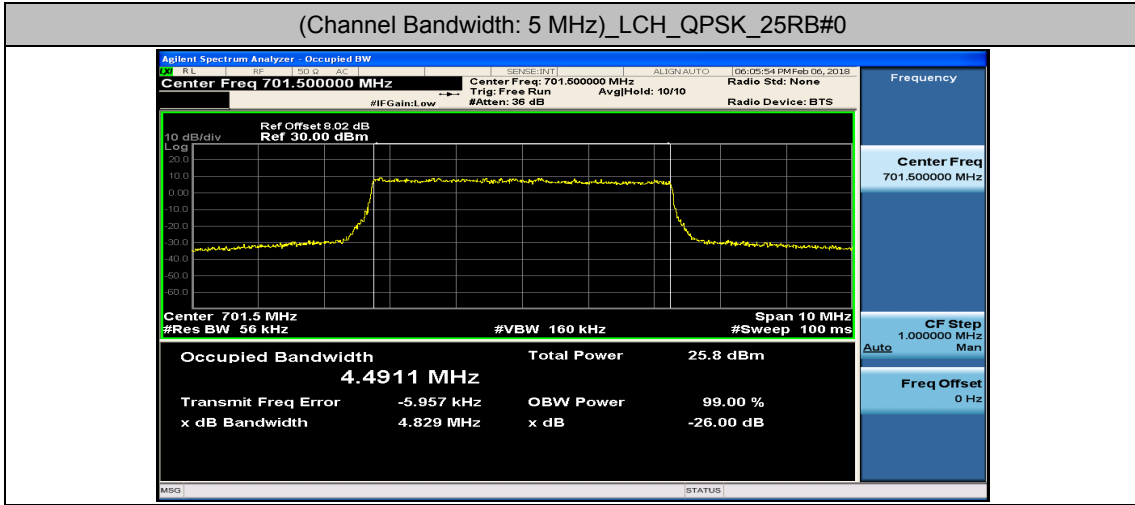Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12
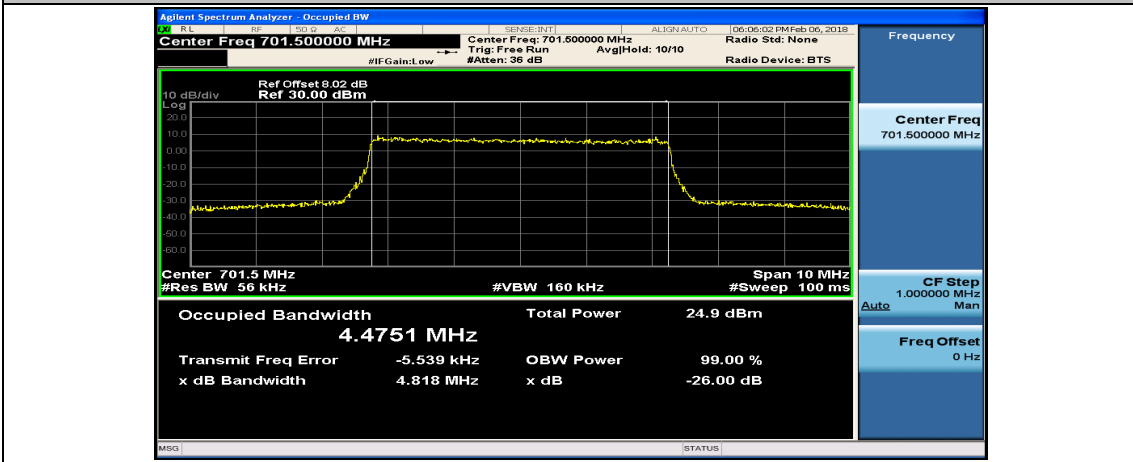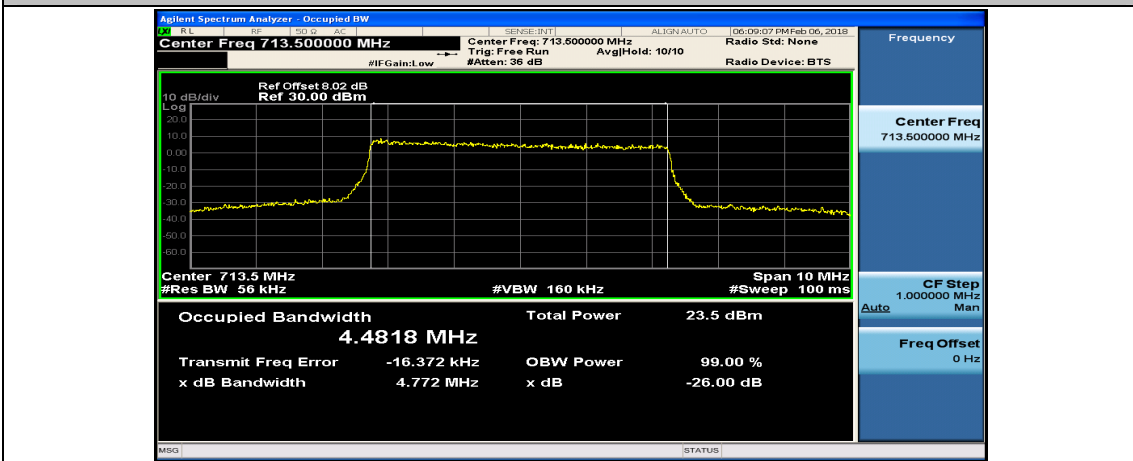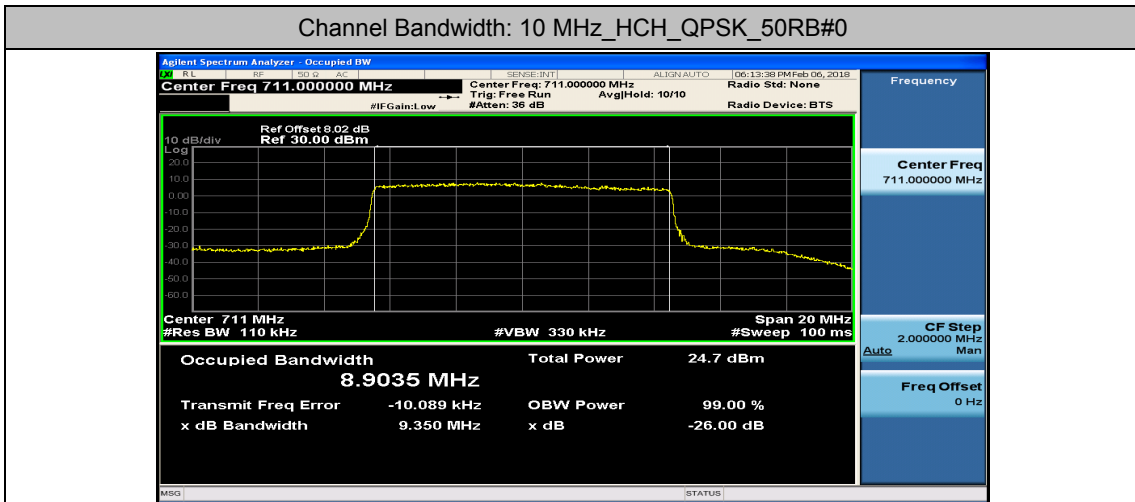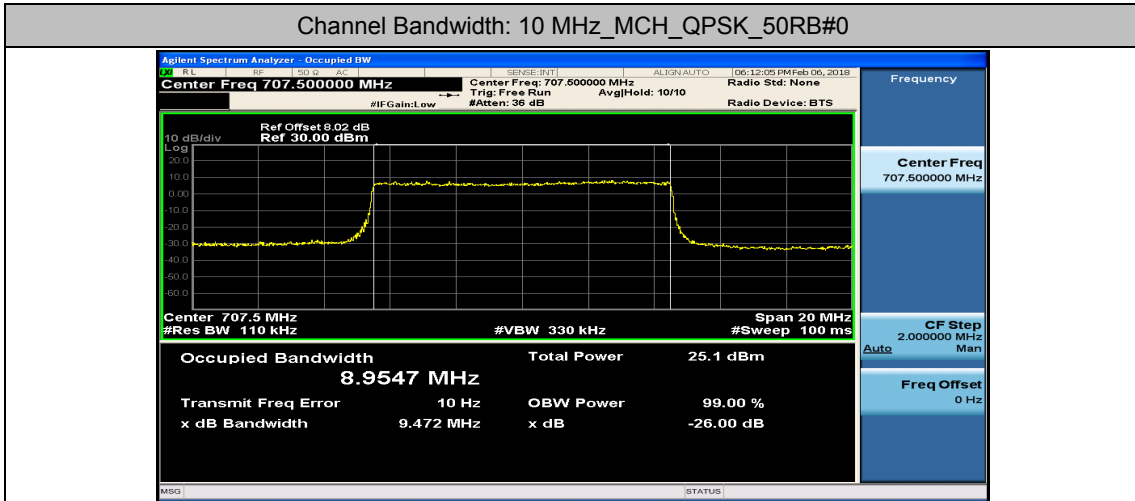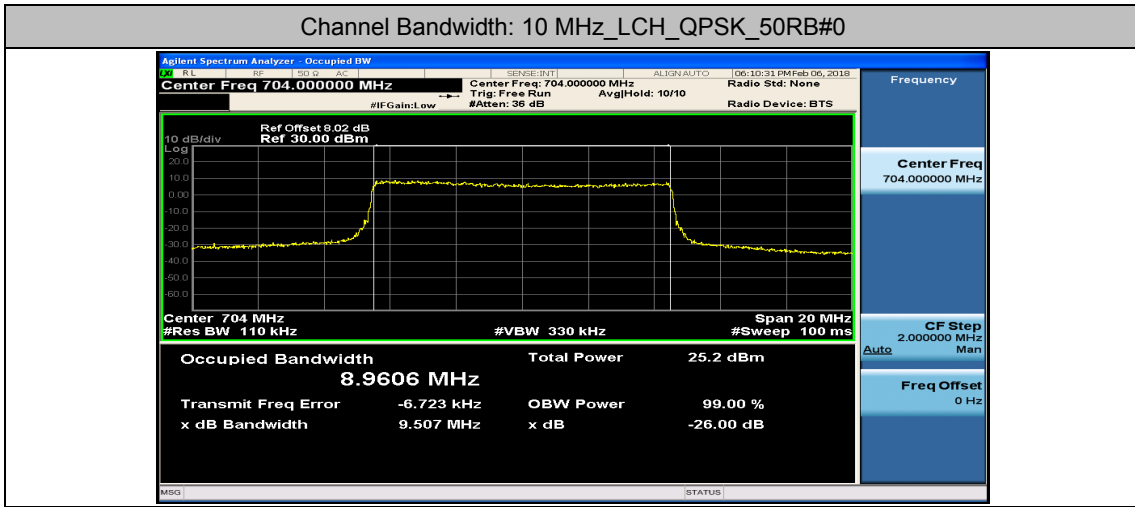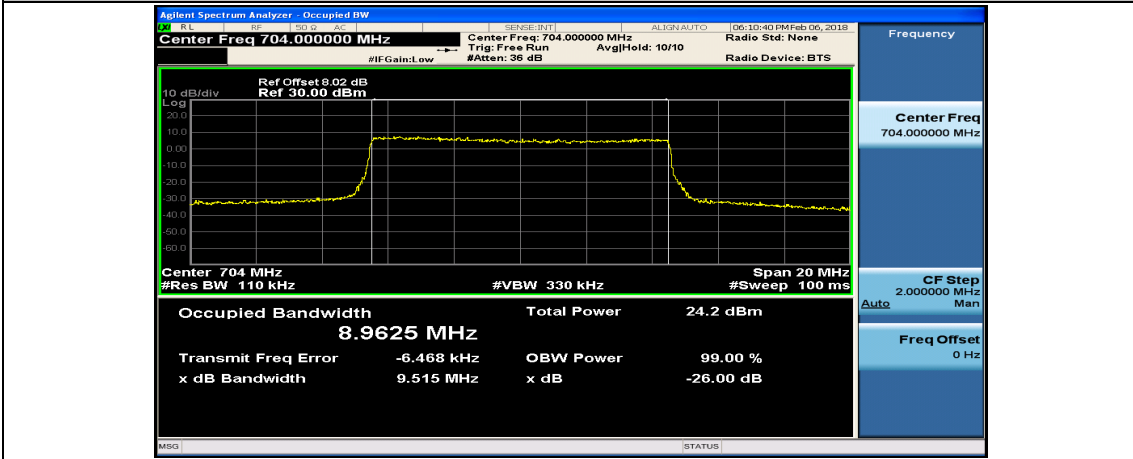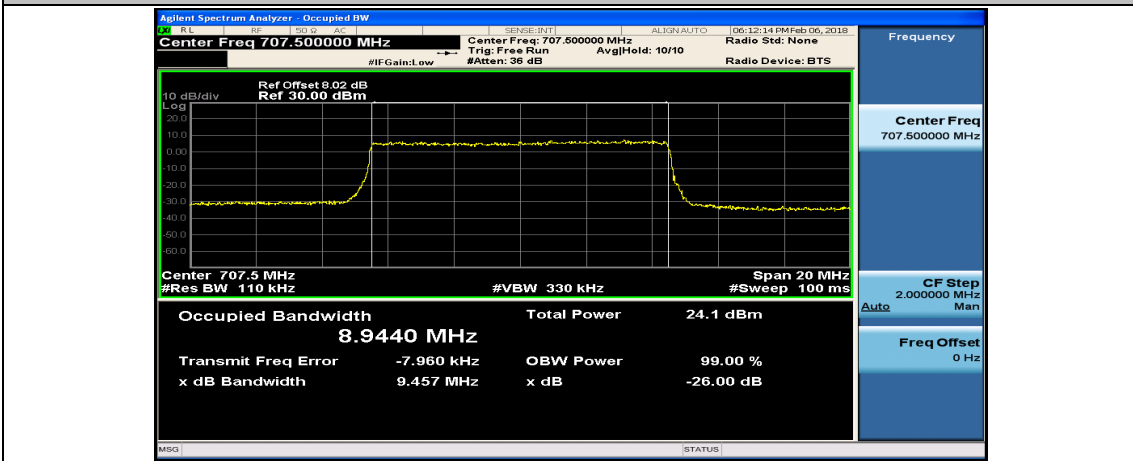
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

**Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0**

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	6	0	1.0761	1.225	PASS
	MCH	6	0	1.0782	1.197	PASS
	HCH	6	0	1.0782	1.229	PASS
16QAM	LCH	6	0	1.0814	1.227	PASS
	MCH	6	0	1.0786	1.223	PASS
	HCH	6	0	1.0779	1.221	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	15	0	2.6865	2.862	PASS
	MCH	15	0	2.6838	2.870	PASS
	HCH	15	0	2.6837	2.878	PASS
16QAM	LCH	15	0	2.6784	2.852	PASS
	MCH	15	0	2.6896	2.859	PASS
	HCH	15	0	2.6923	2.874	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	25	0	4.4911	4.829	PASS
	MCH	25	0	4.4827	4.797	PASS
	HCH	25	0	4.4858	4.798	PASS
16QAM	LCH	25	0	4.4751	4.818	PASS
	MCH	25	0	4.4869	4.838	PASS
	HCH	25	0	4.4818	4.772	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	50	0	8.9606	9.507	PASS
	MCH	50	0	8.9547	9.472	PASS
	HCH	50	0	8.9035	9.350	PASS
16QAM	LCH	50	0	8.9625	9.515	PASS
	MCH	50	0	8.9440	9.457	PASS
	HCH	50	0	8.9238	9.353	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0
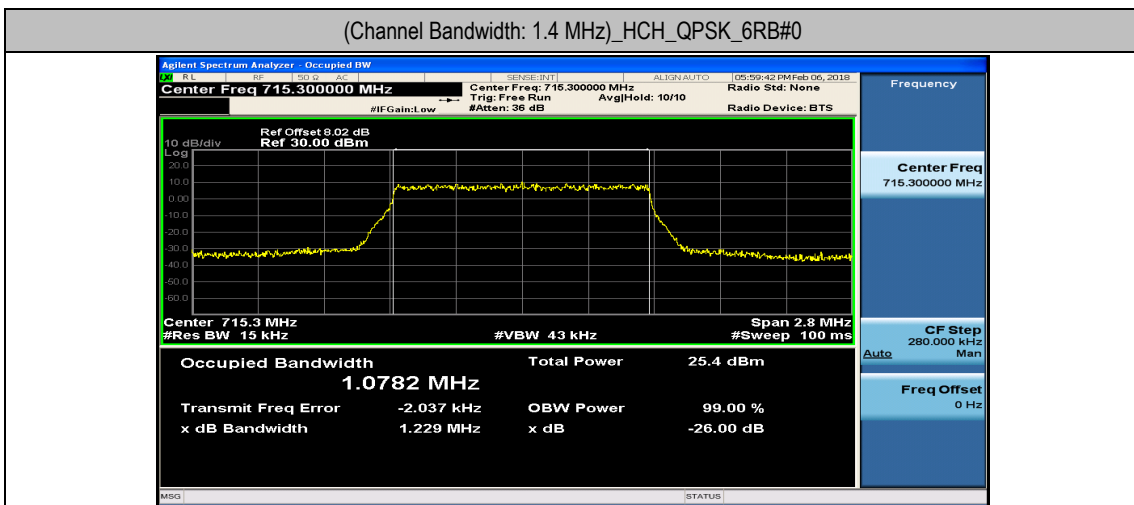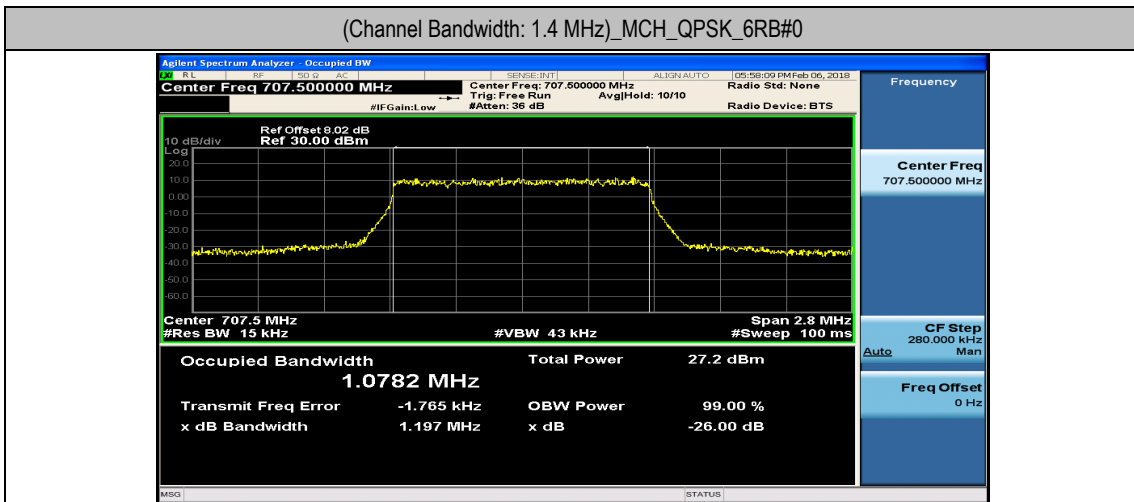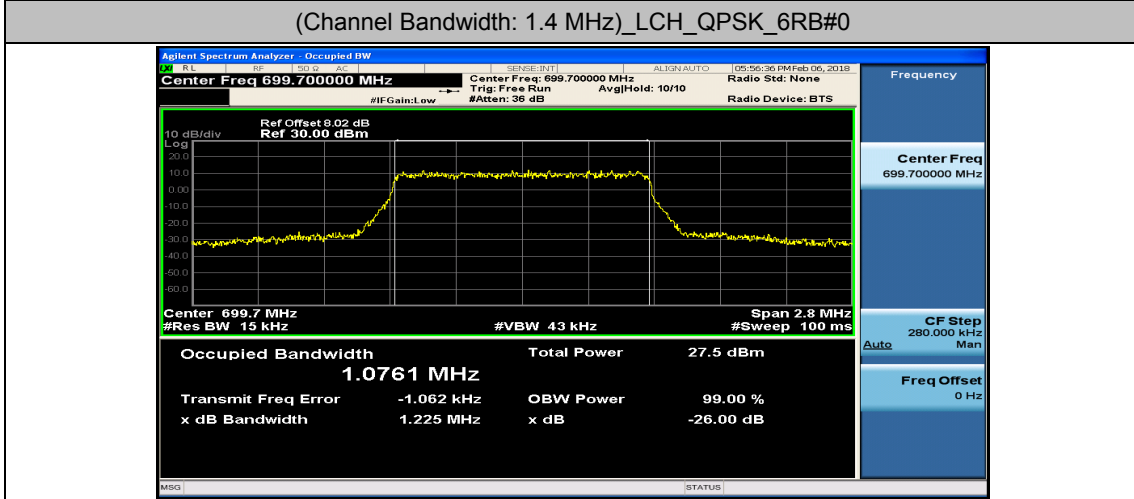
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0
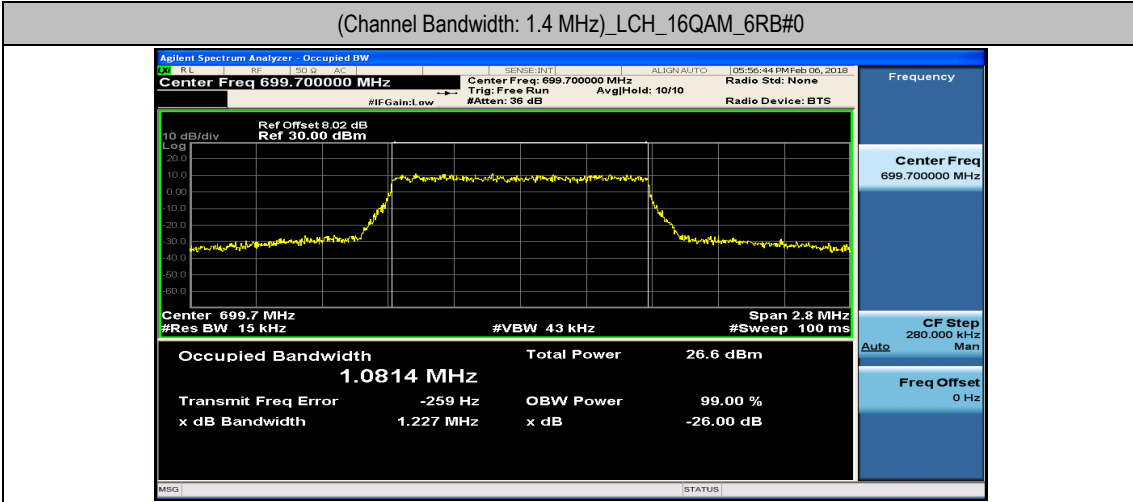
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0
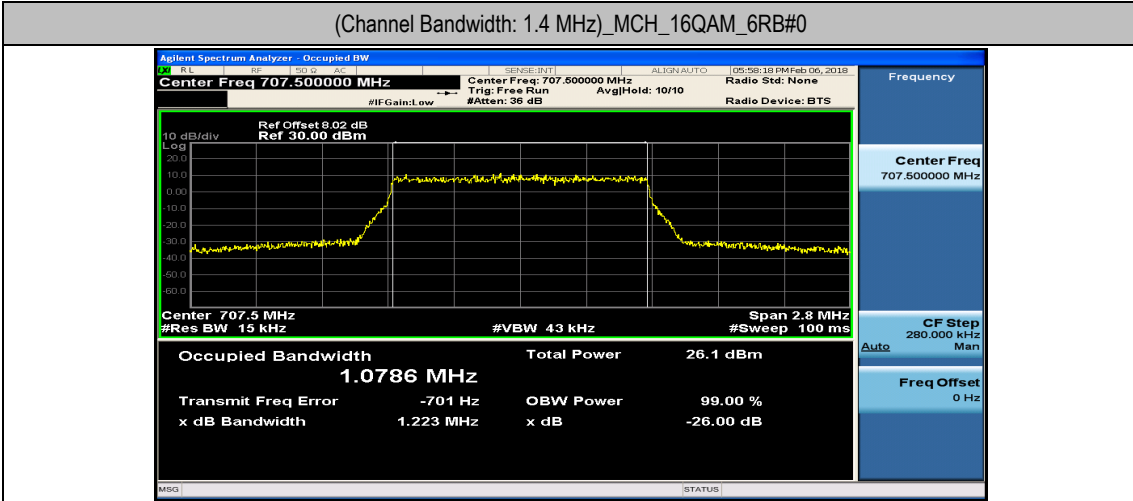
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0
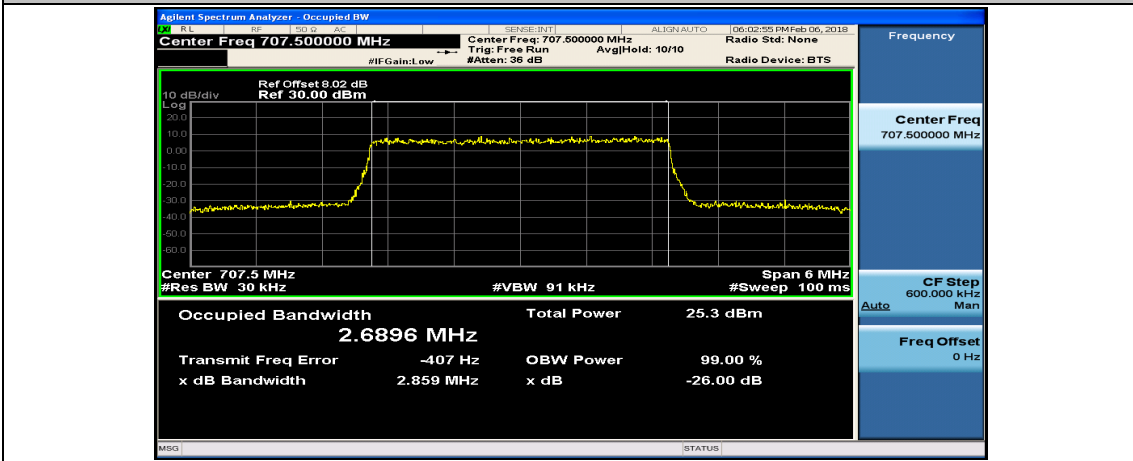
(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

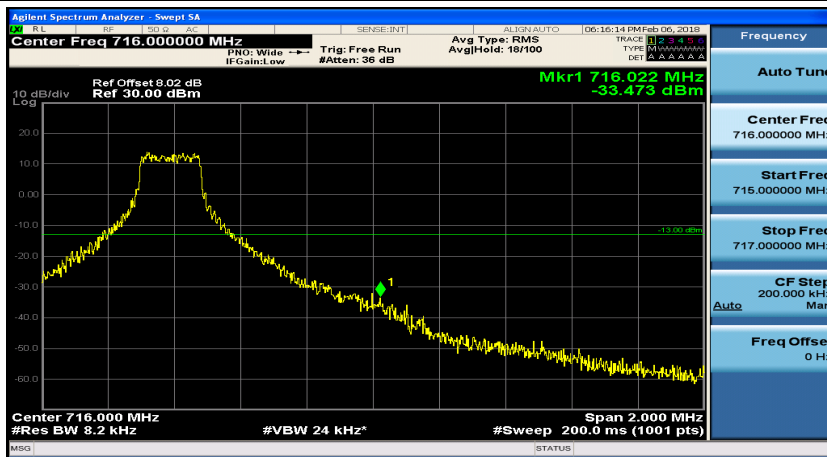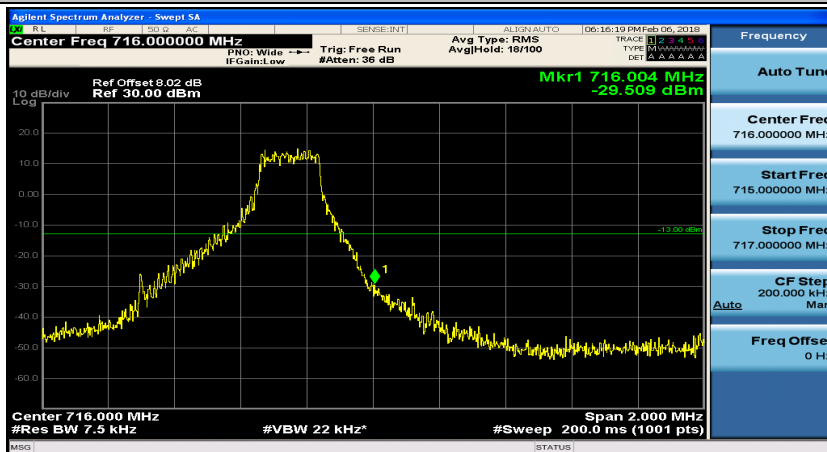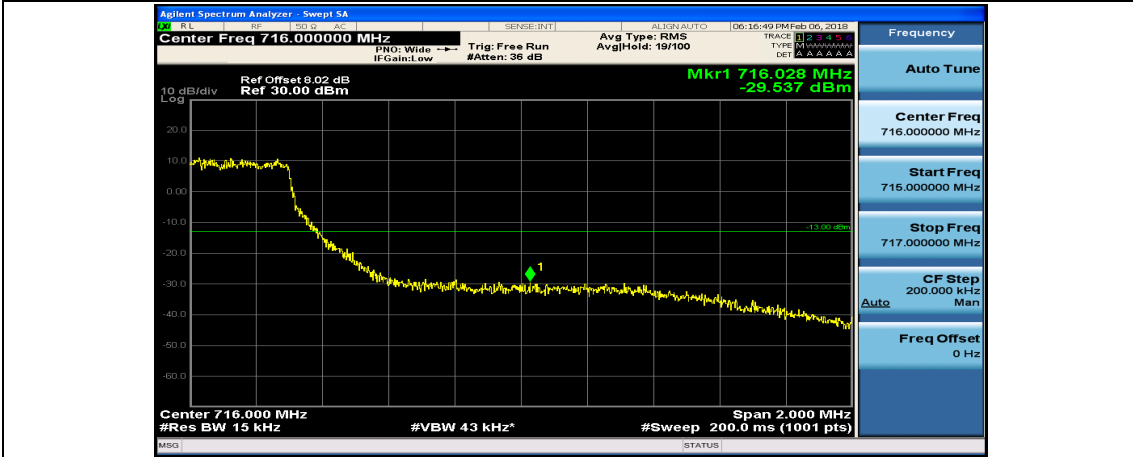| (Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0 |
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## (Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0
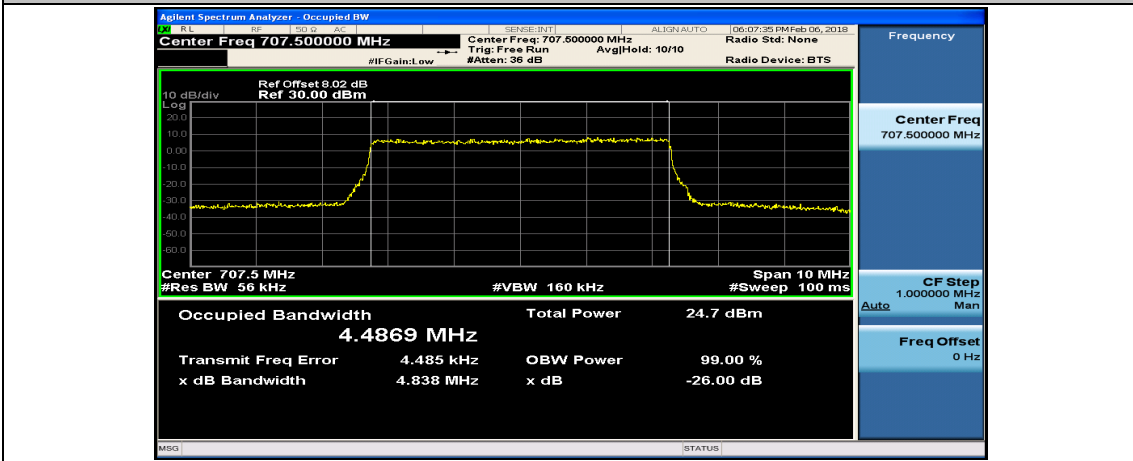
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

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
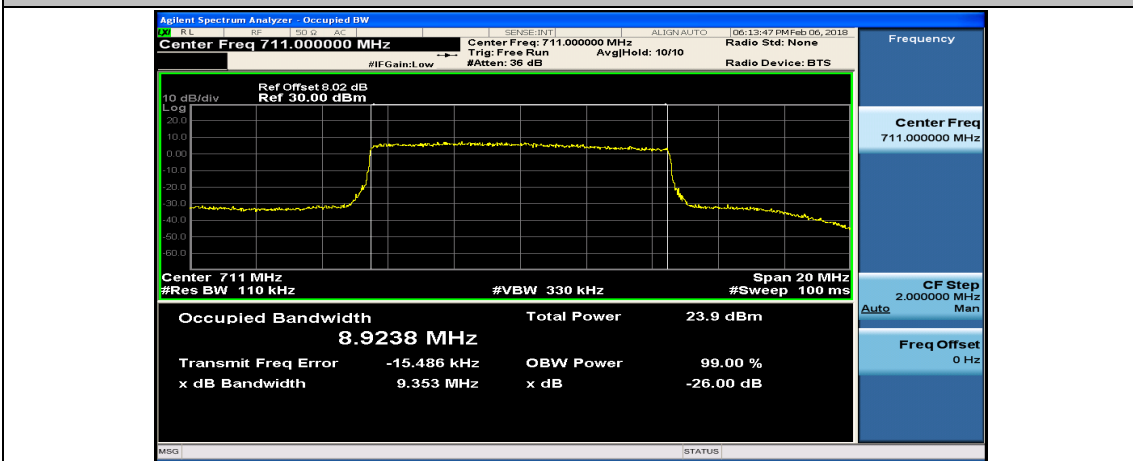
Appendix D: Band Edge

Test Graphs

Channel Bandwidth: 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
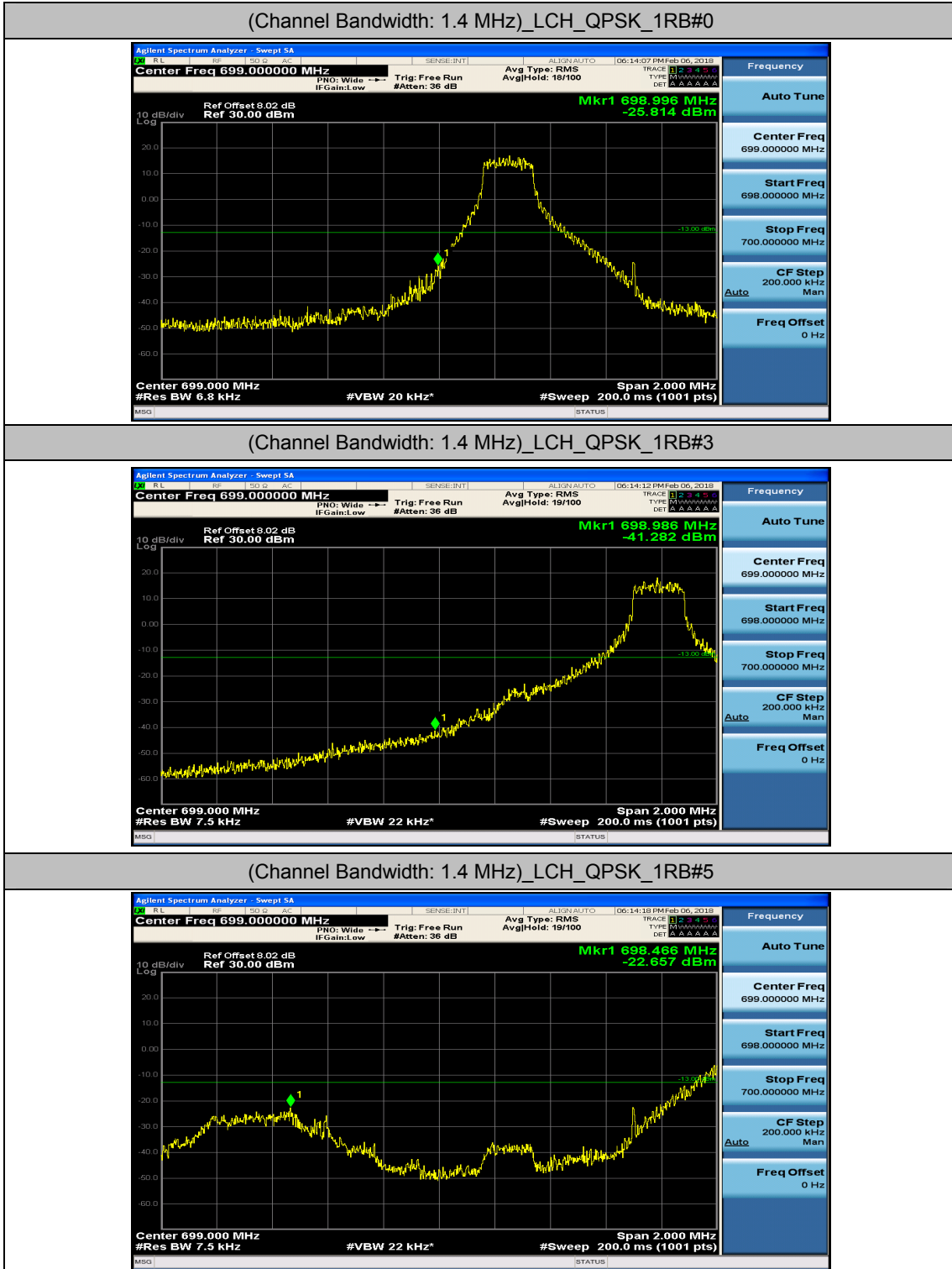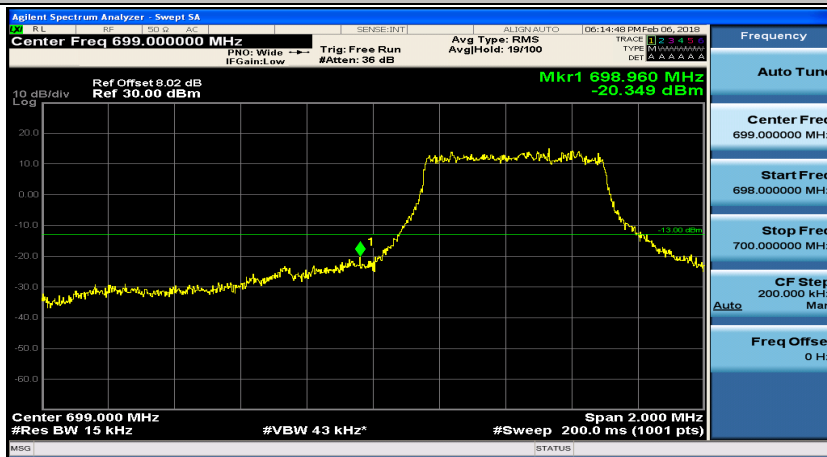
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0
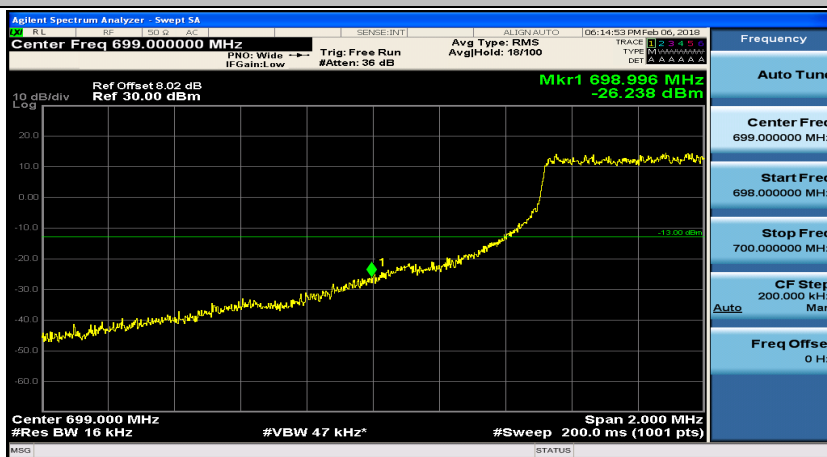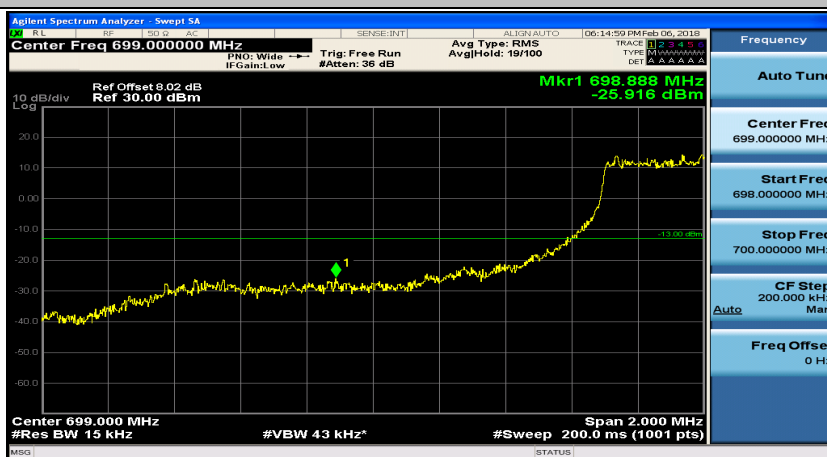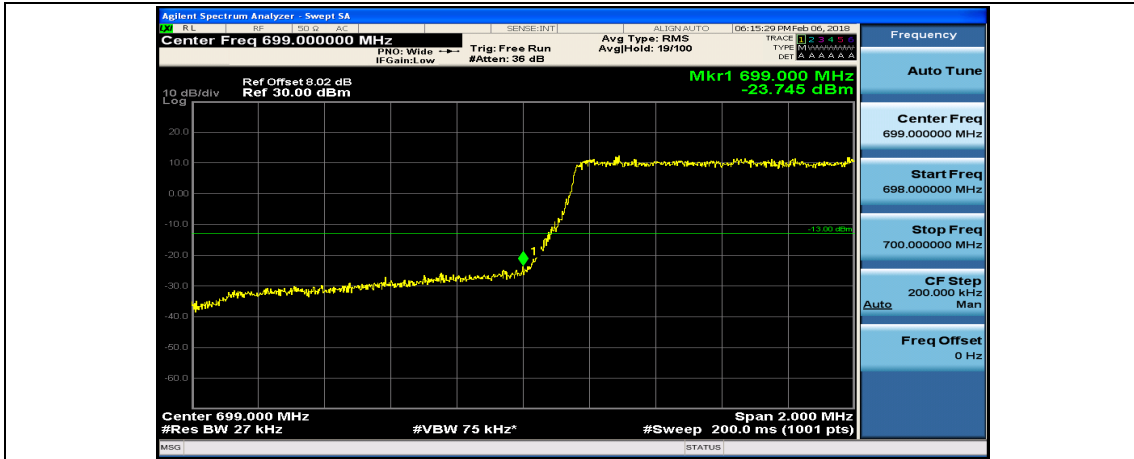
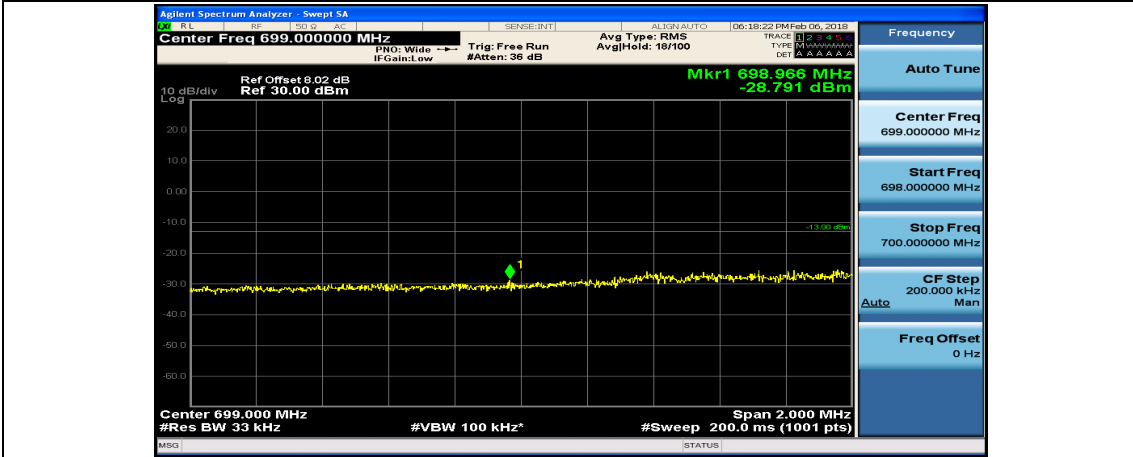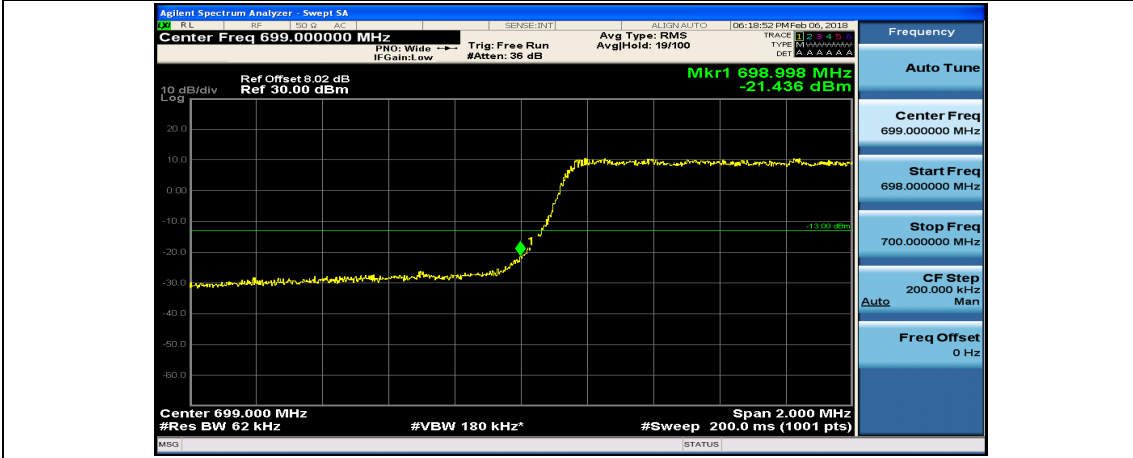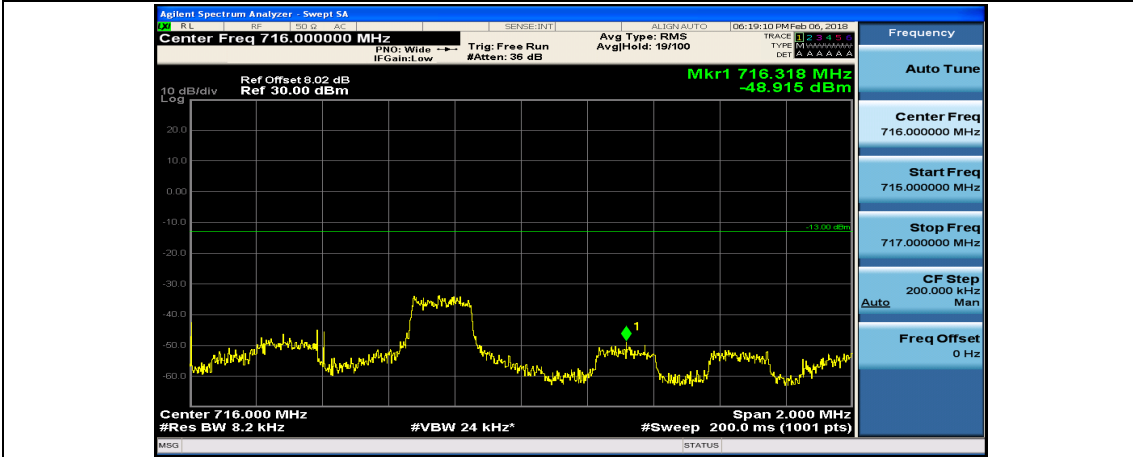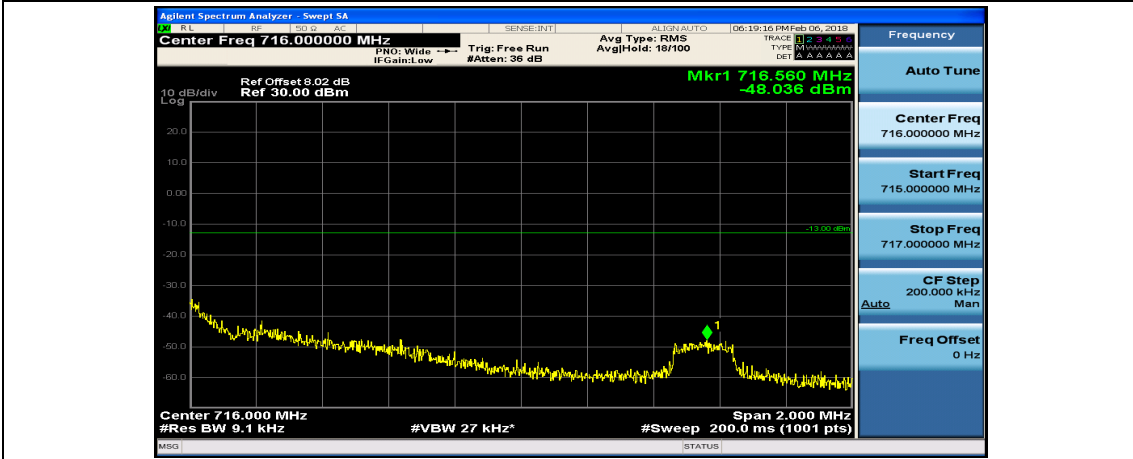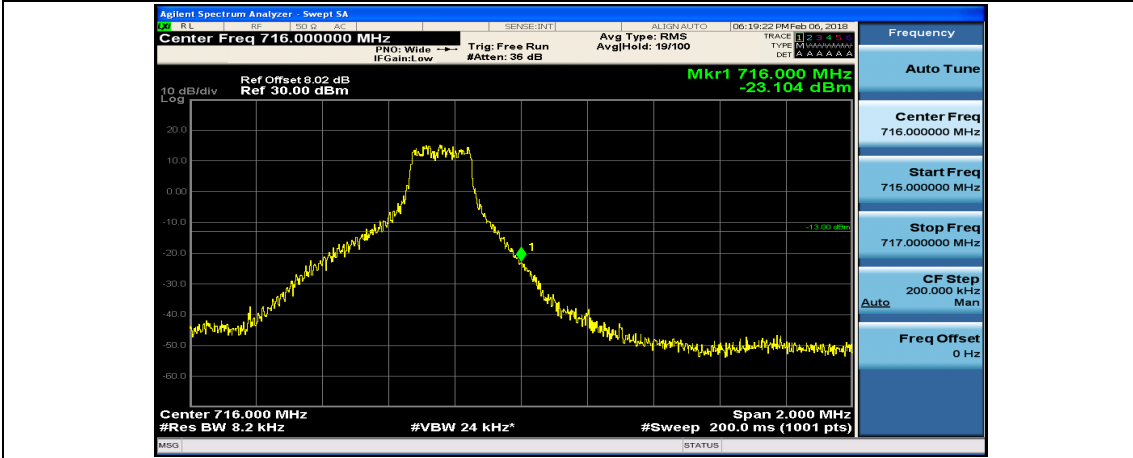| (Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0 |
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| (Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3 |
| |
| (Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5 |
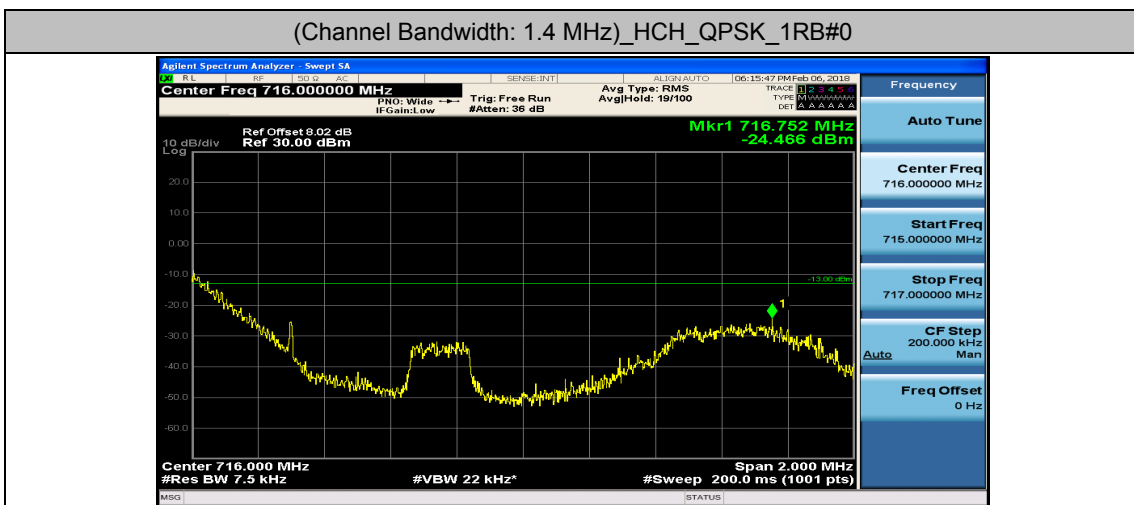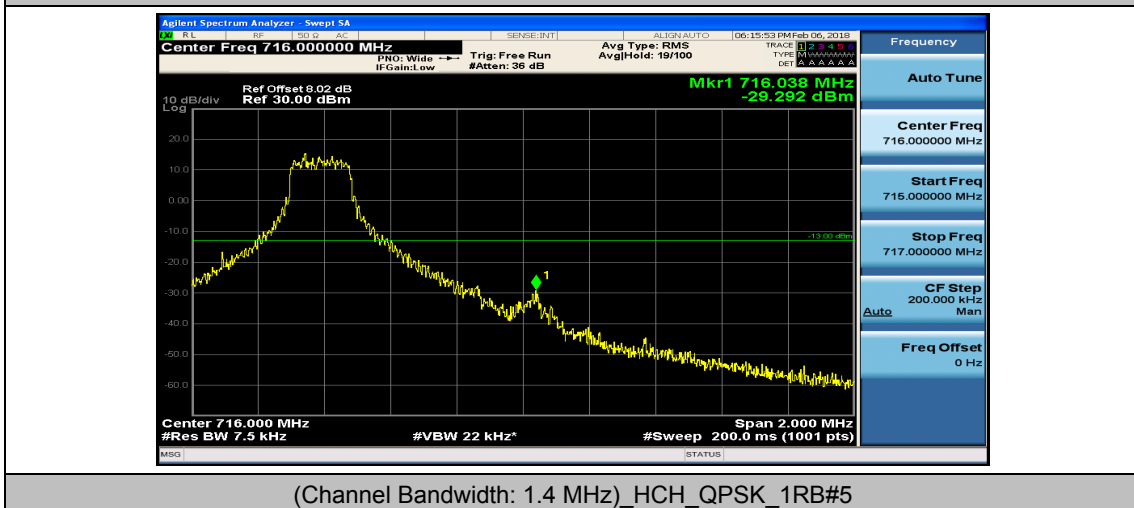
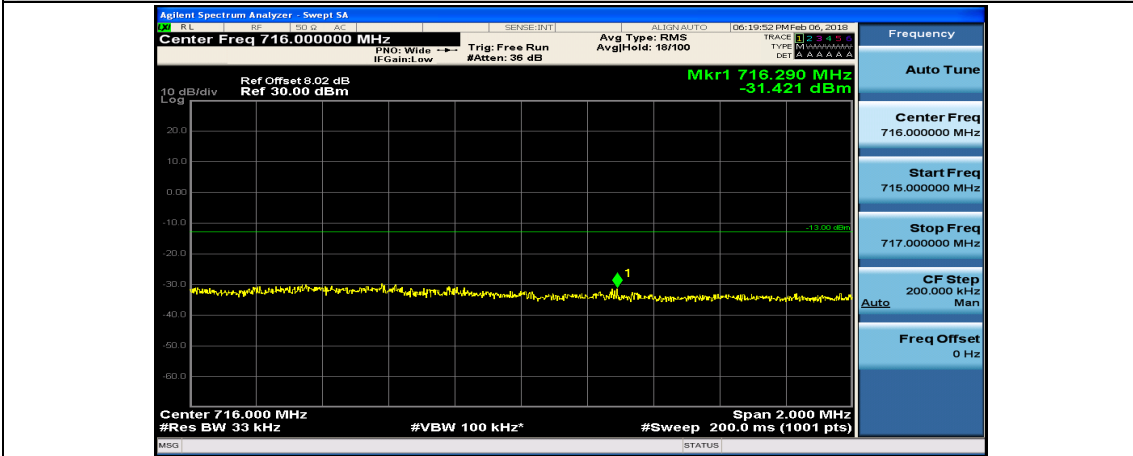(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3
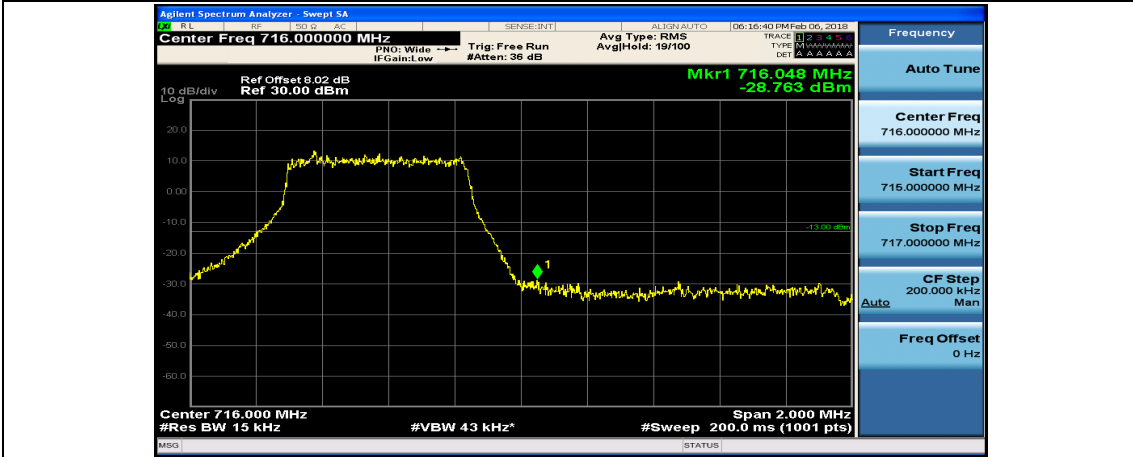
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0
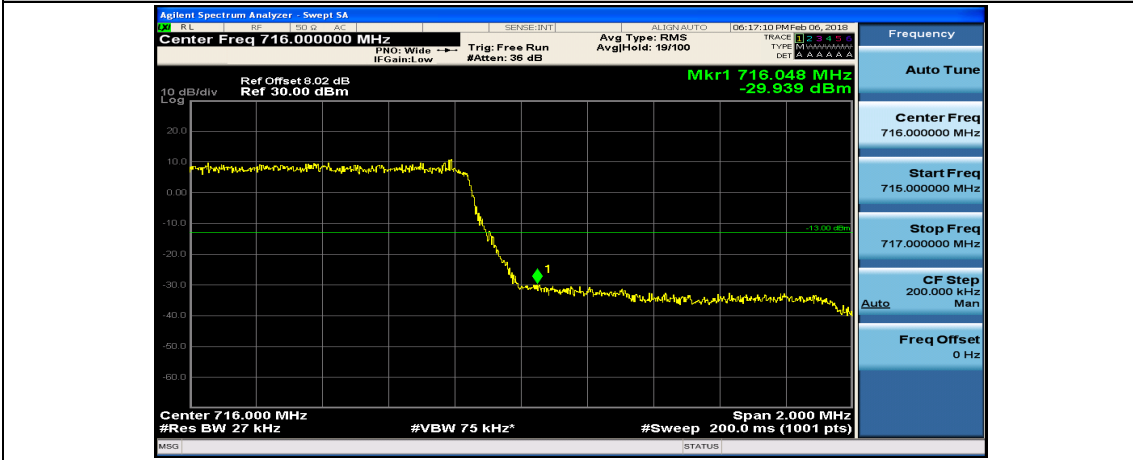
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0
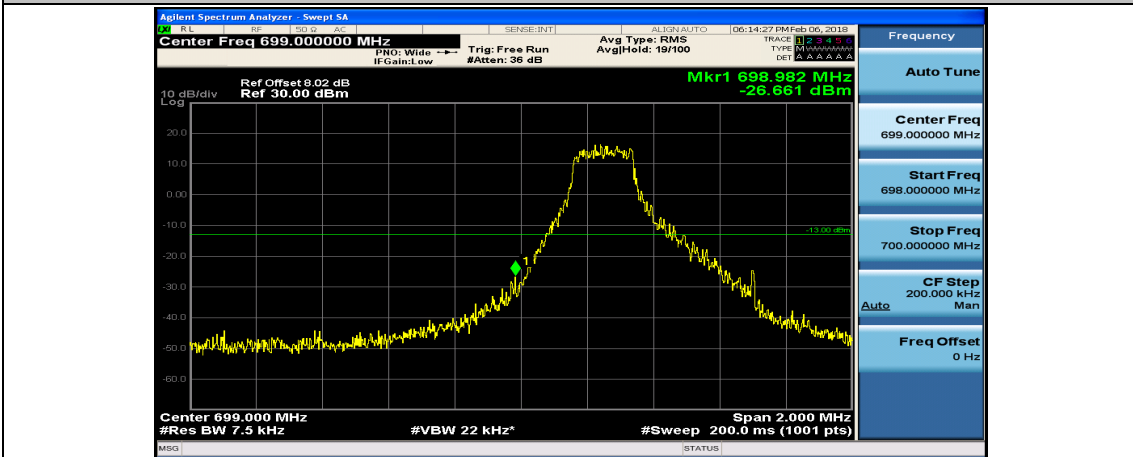
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3
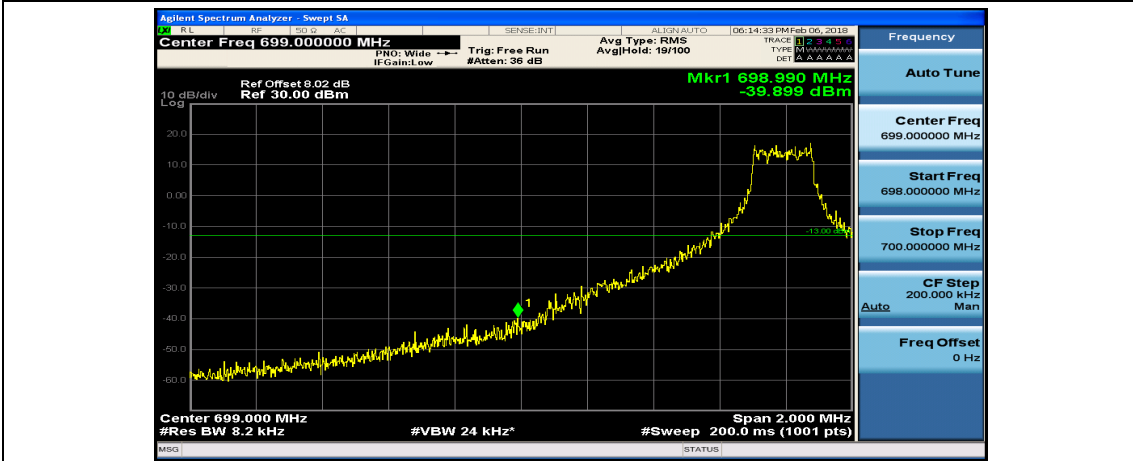
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0
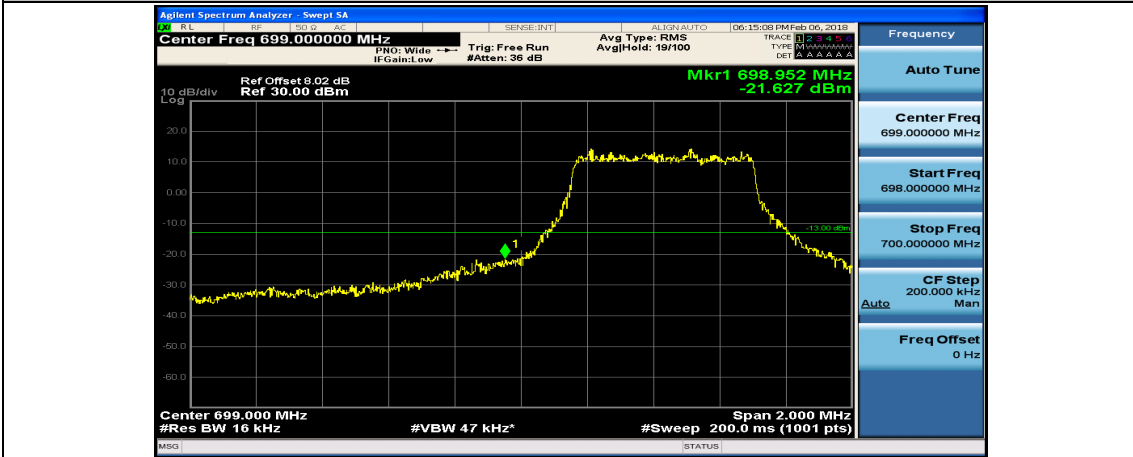
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2
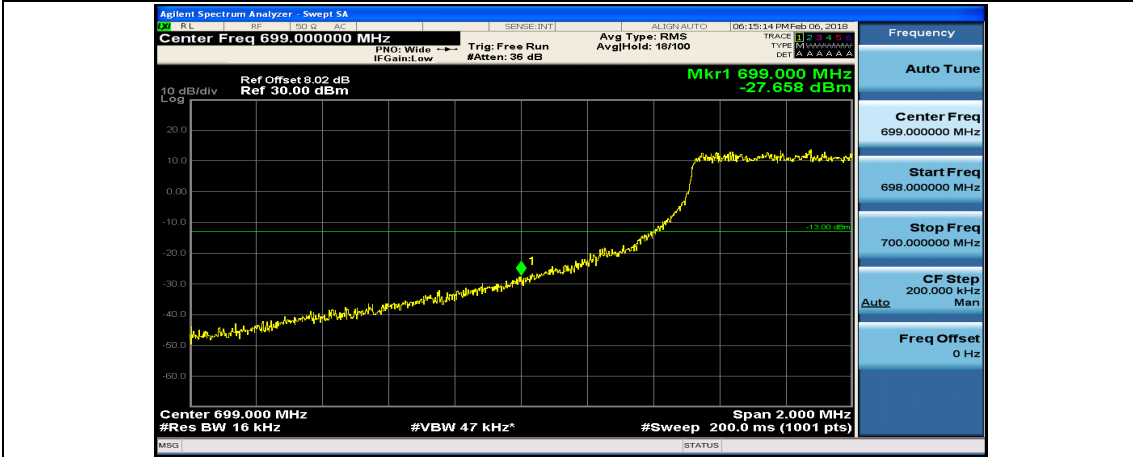
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3
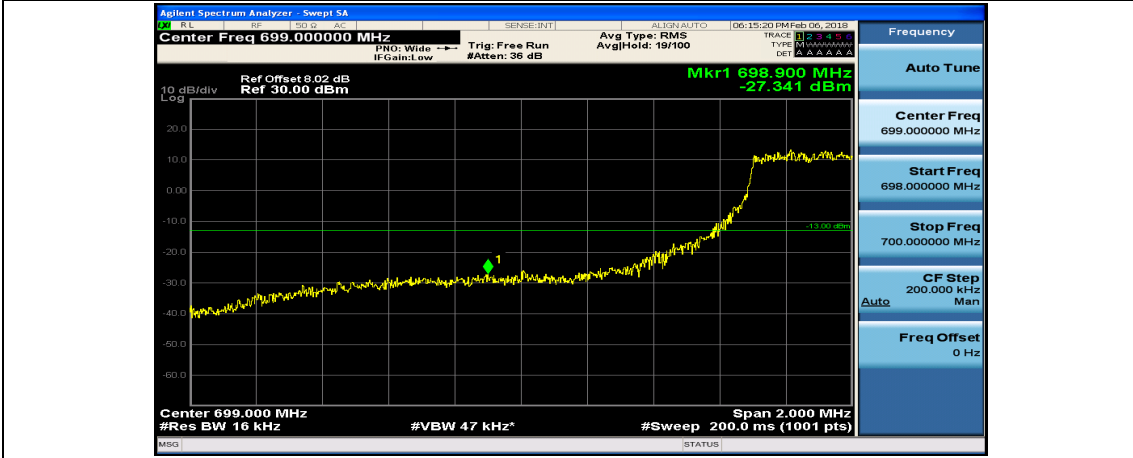
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0
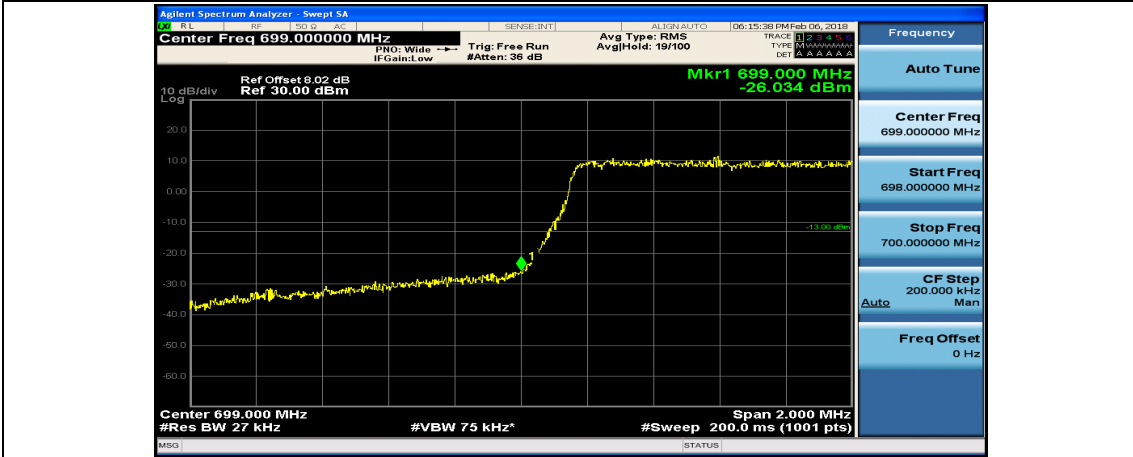
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

(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
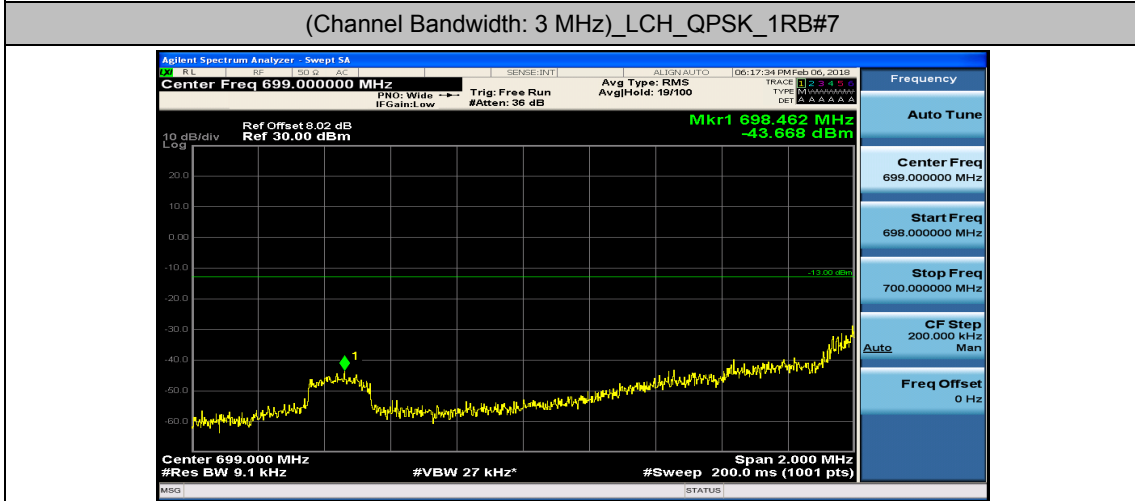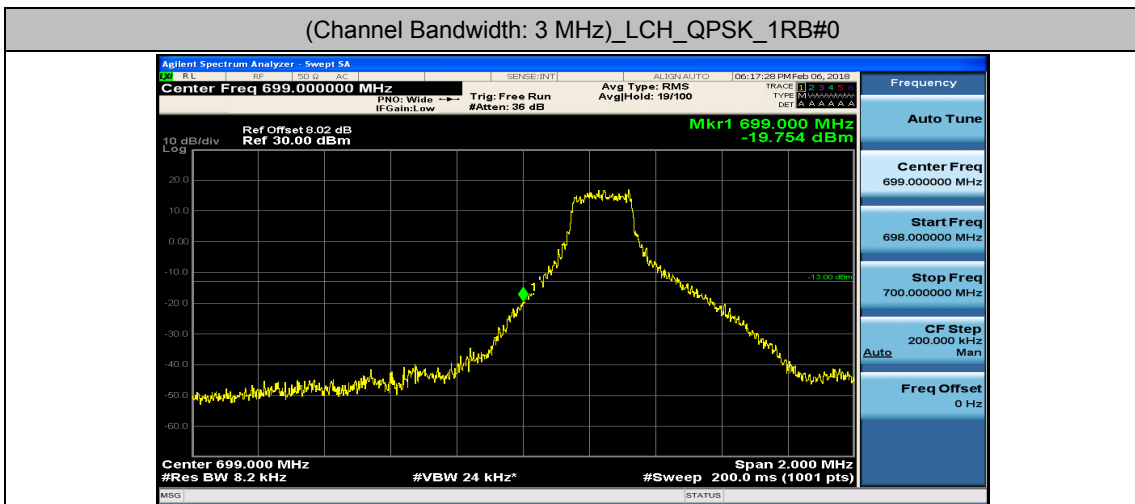
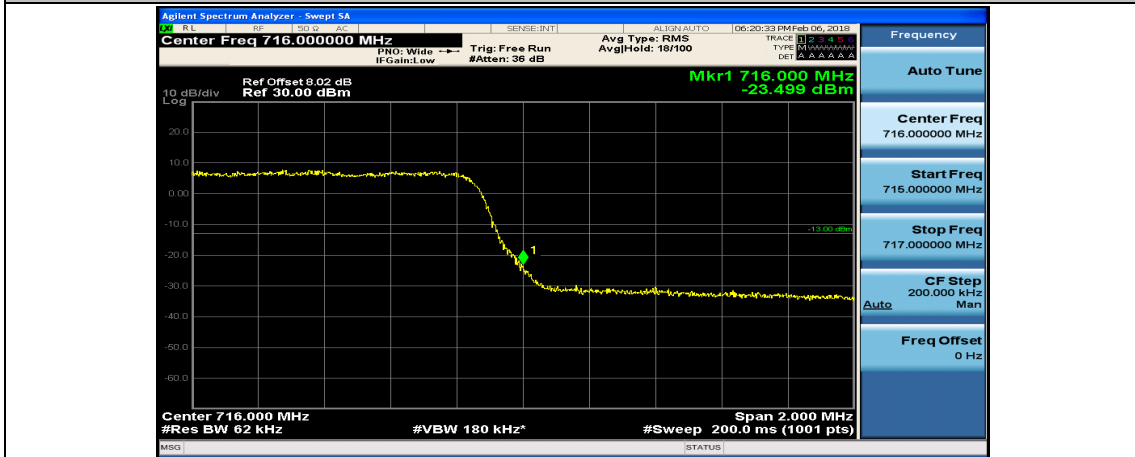| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0 |
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| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7 |
| |
| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14 |
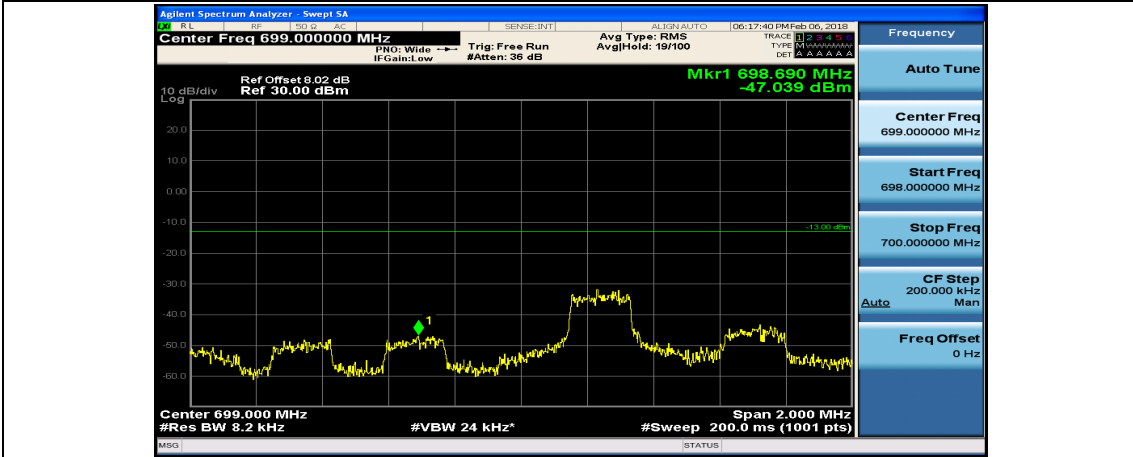
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0
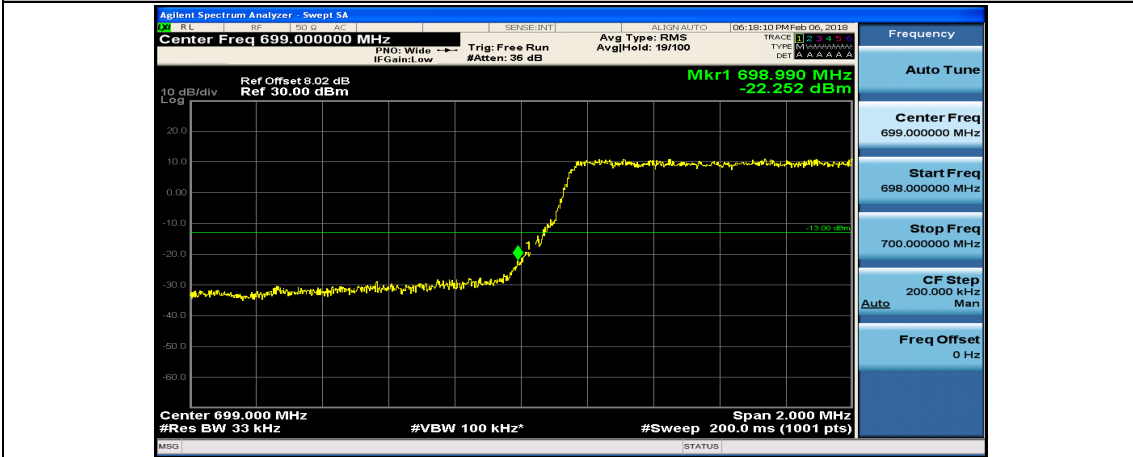
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4
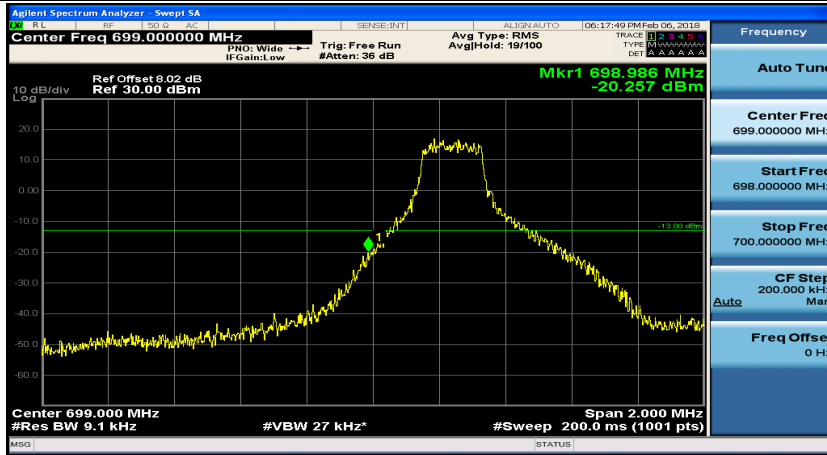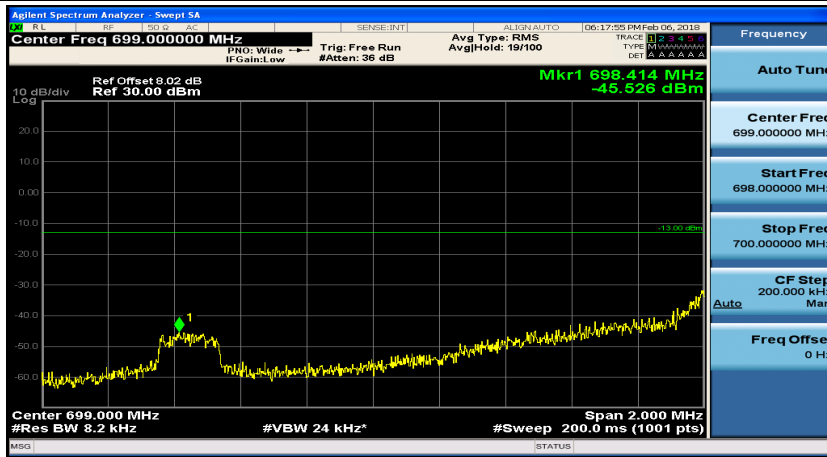

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

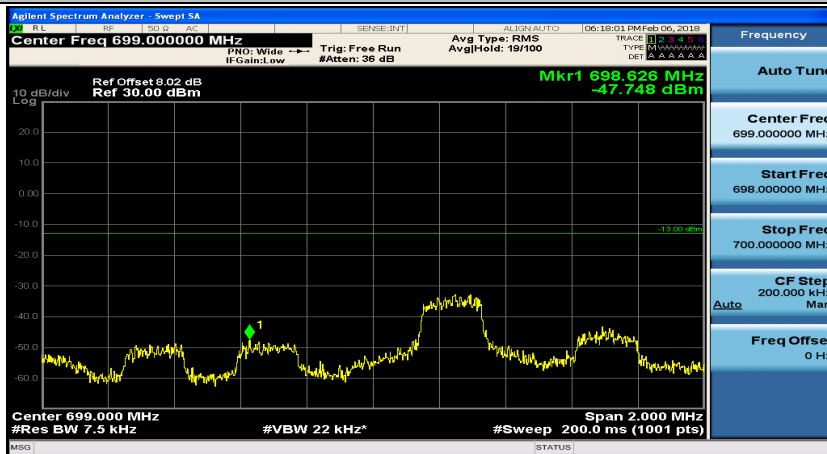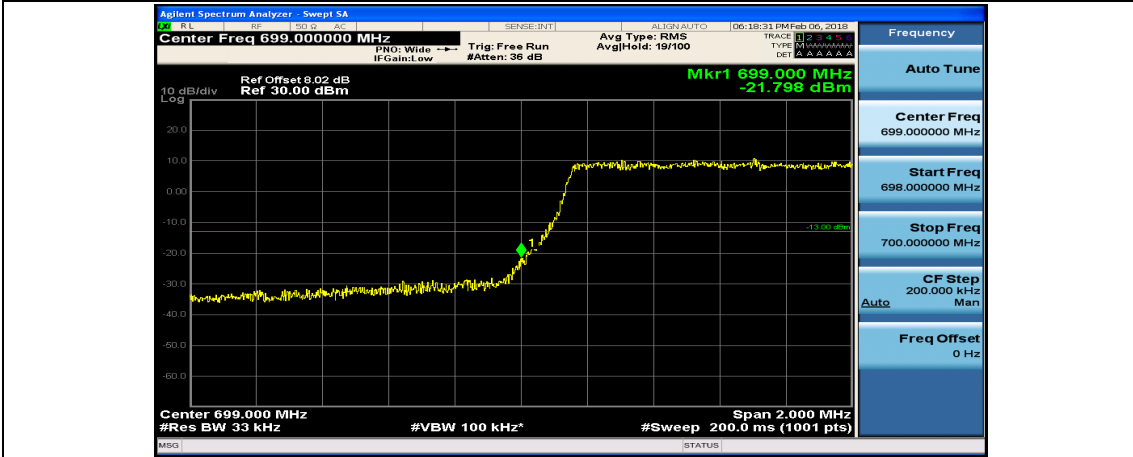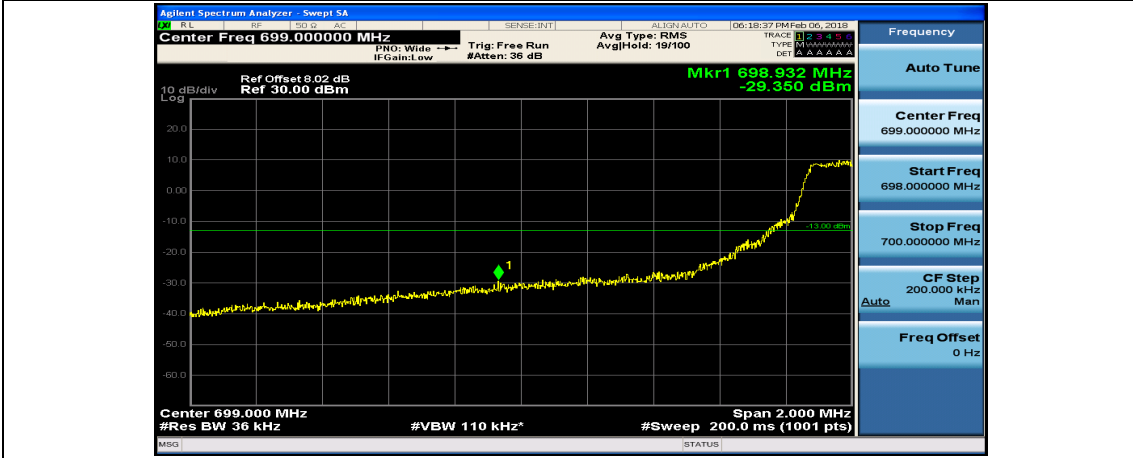

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

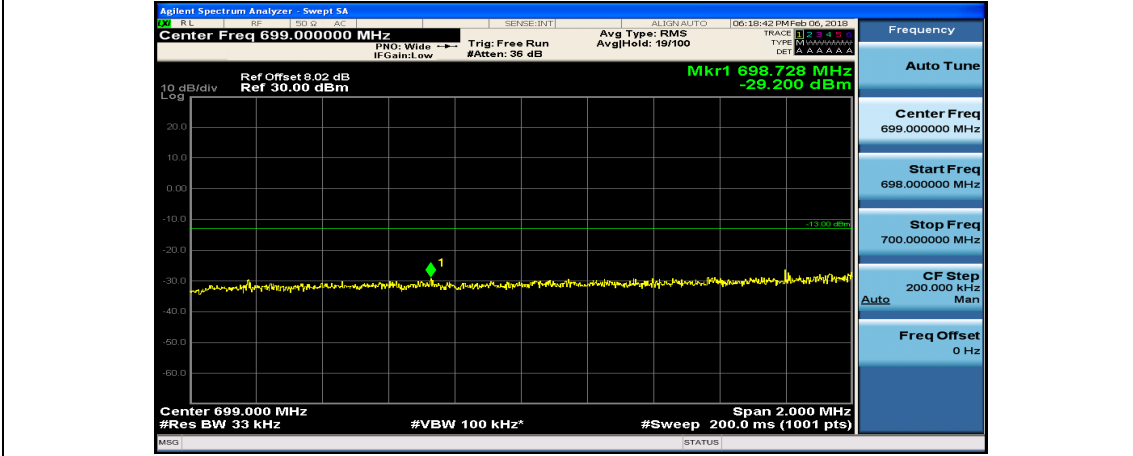| (Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7 |
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(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

(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

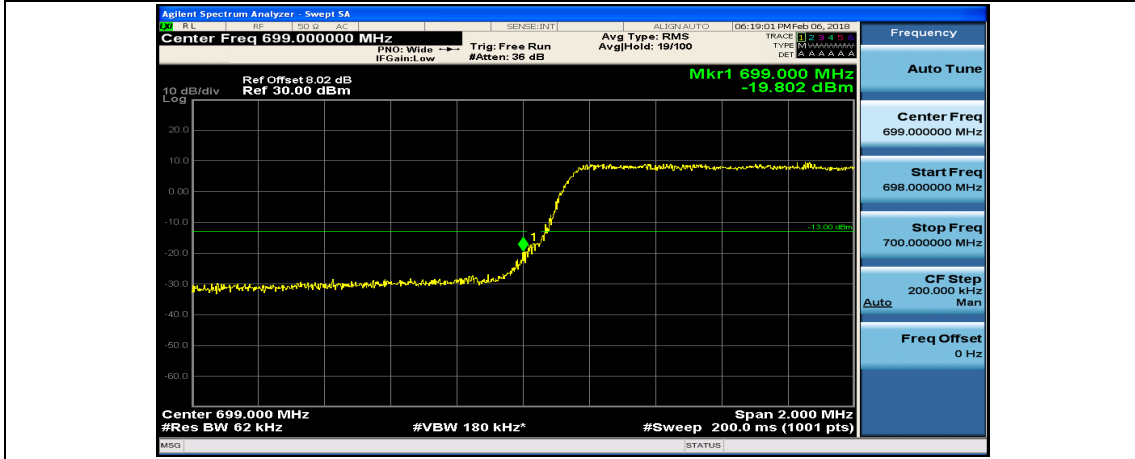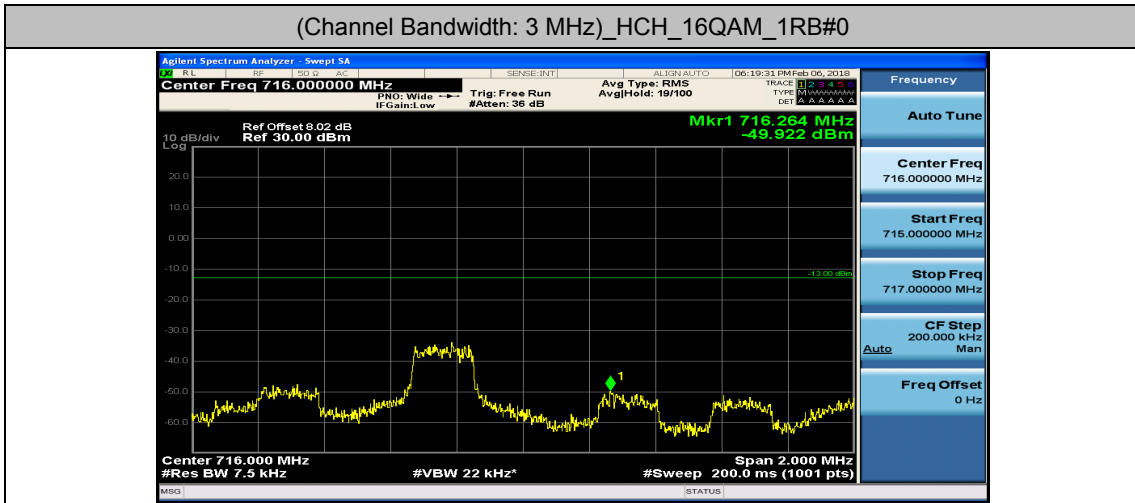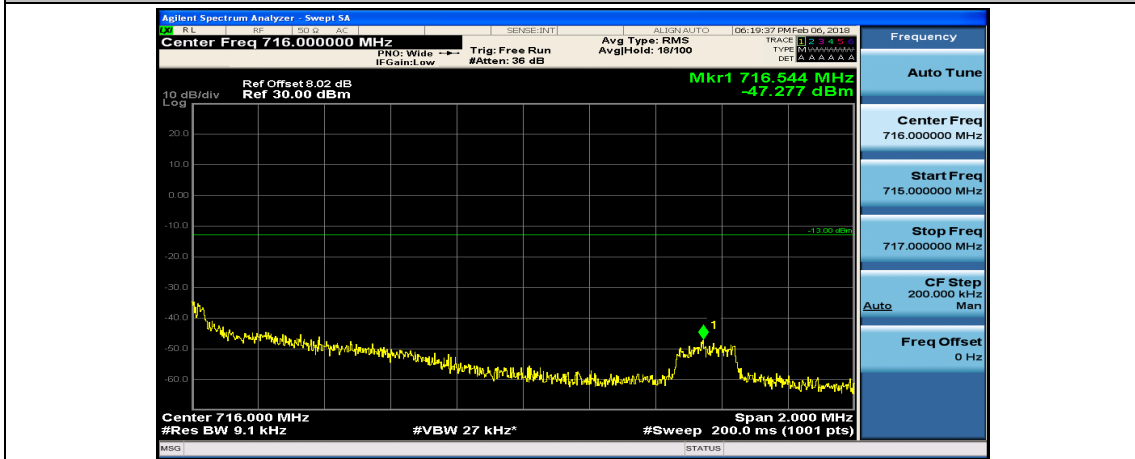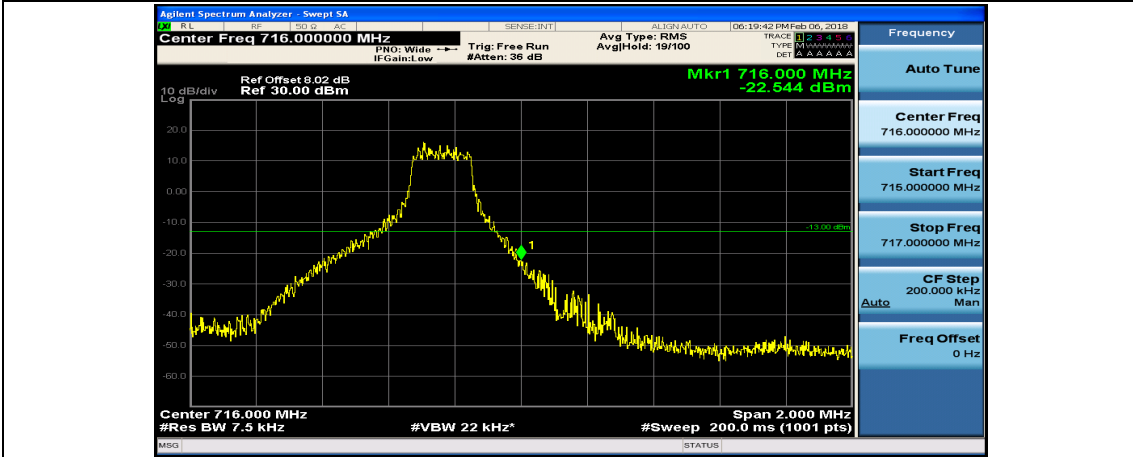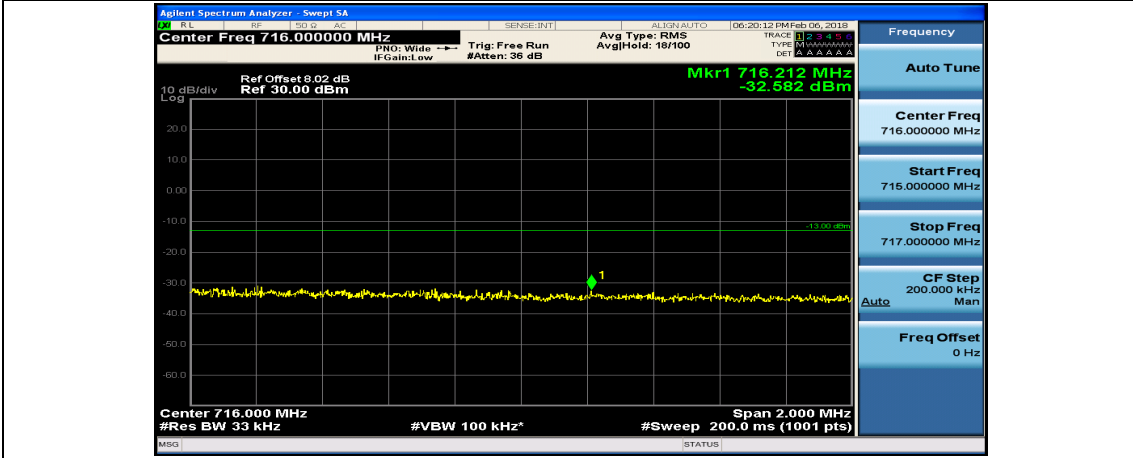| (Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0 |
|---|
| |
| (Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7 |
| |
| (Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14 |
| |
| (Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0 |

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

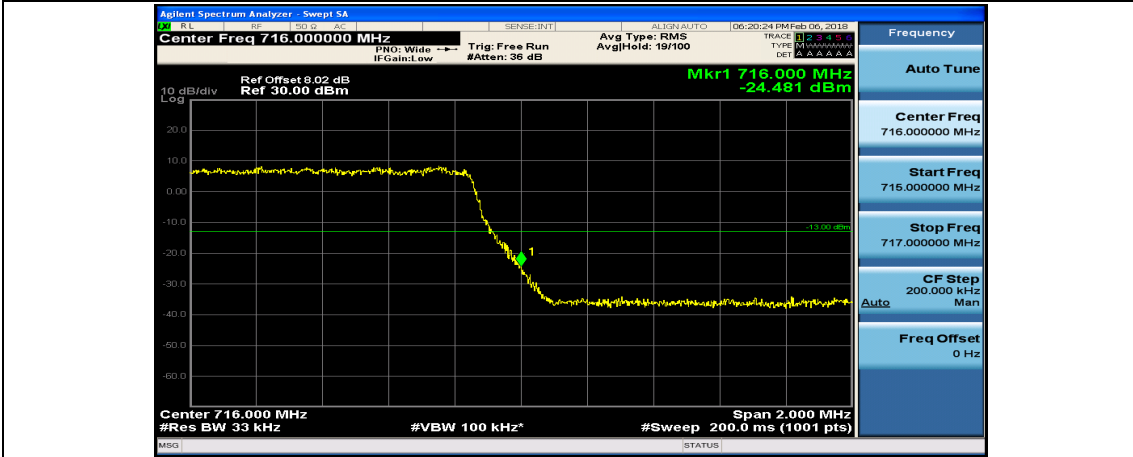**(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14**

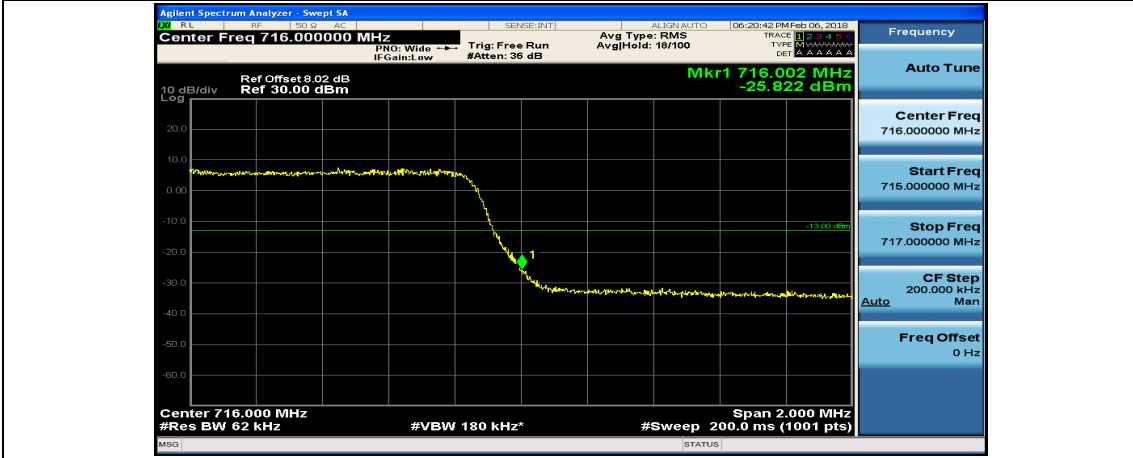(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

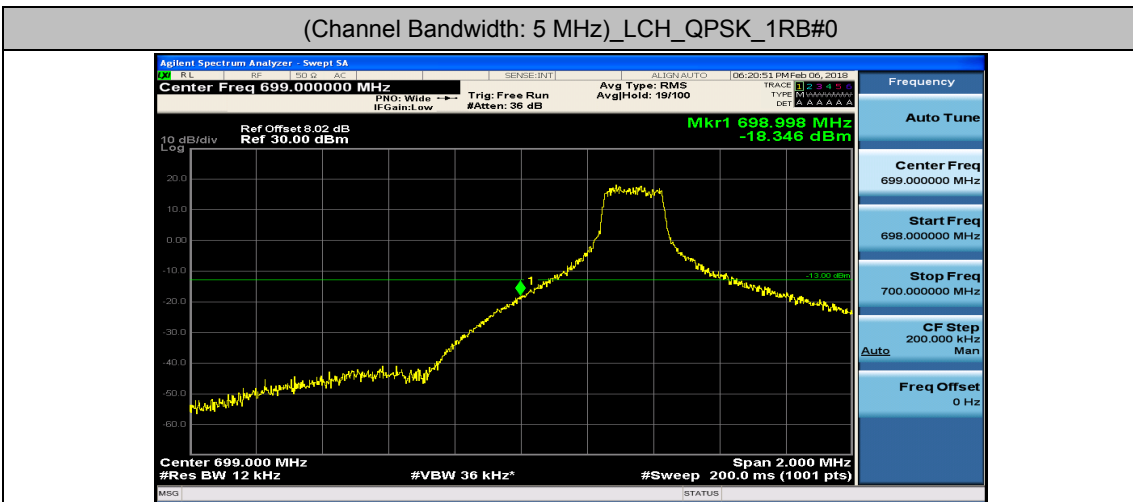(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12