(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

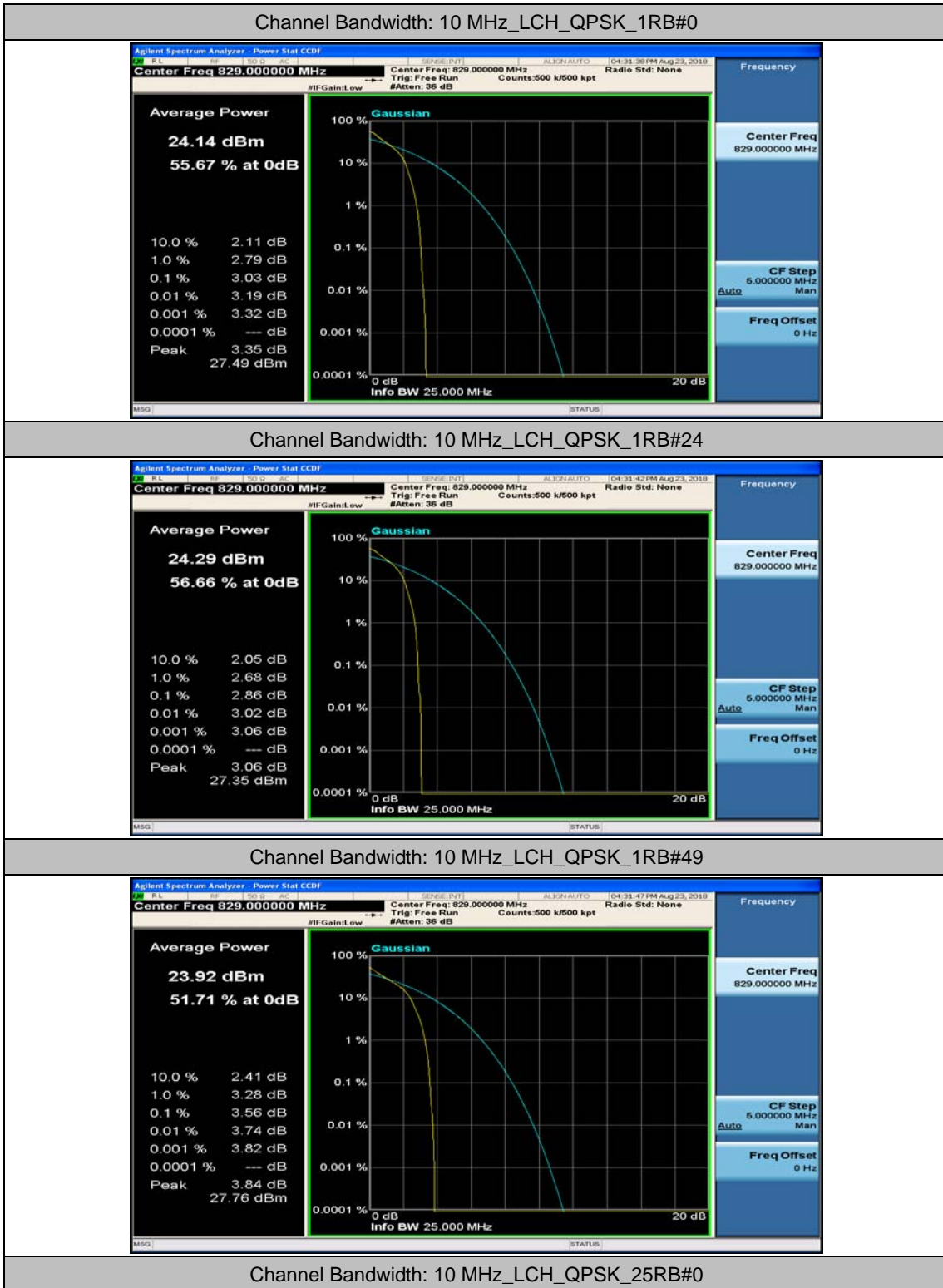(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

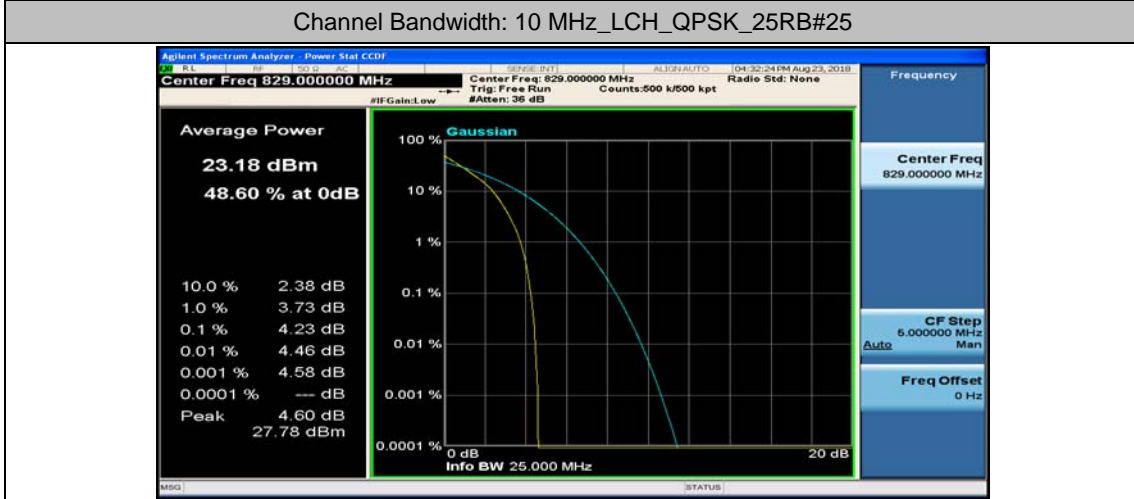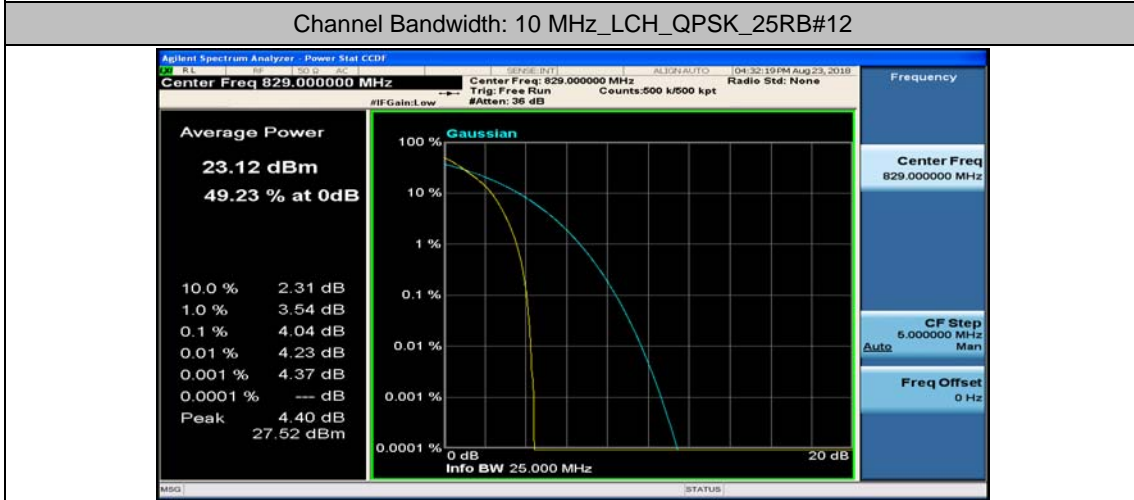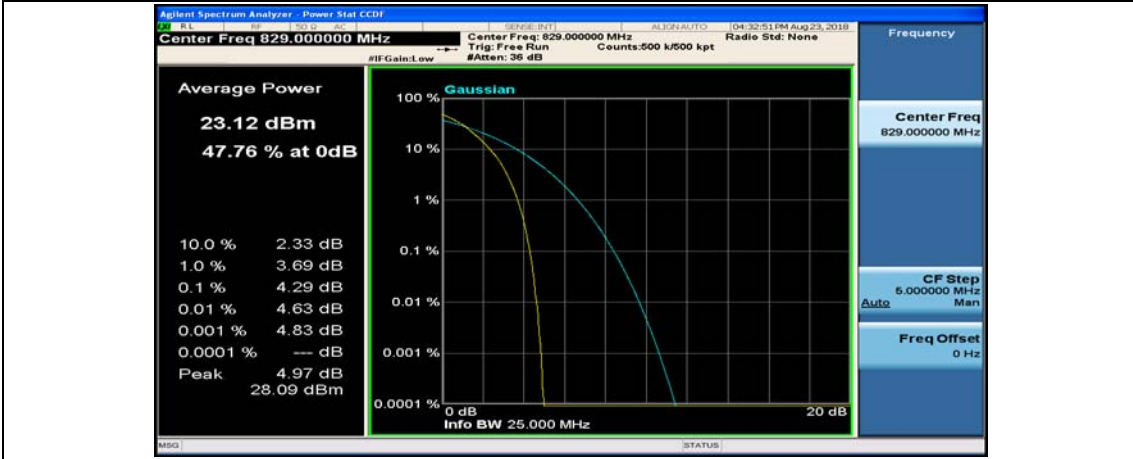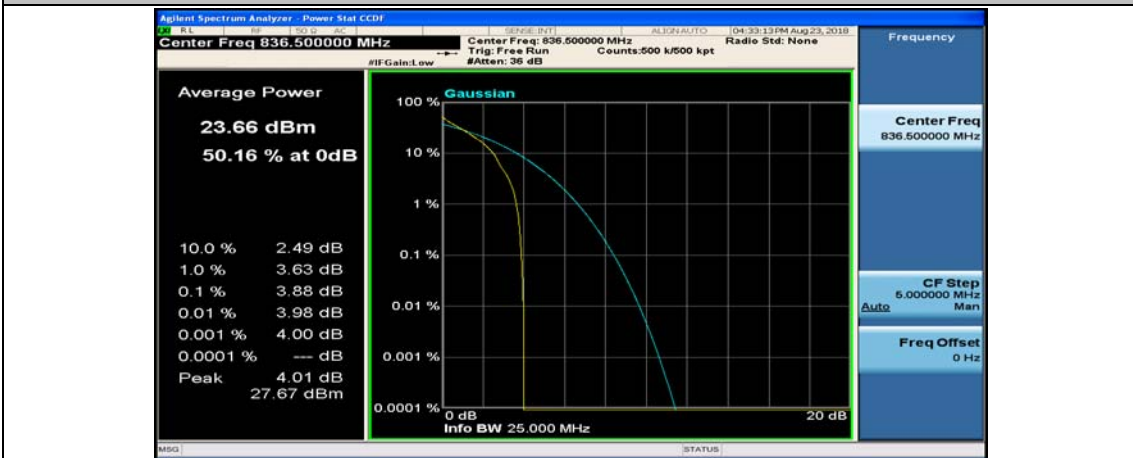(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

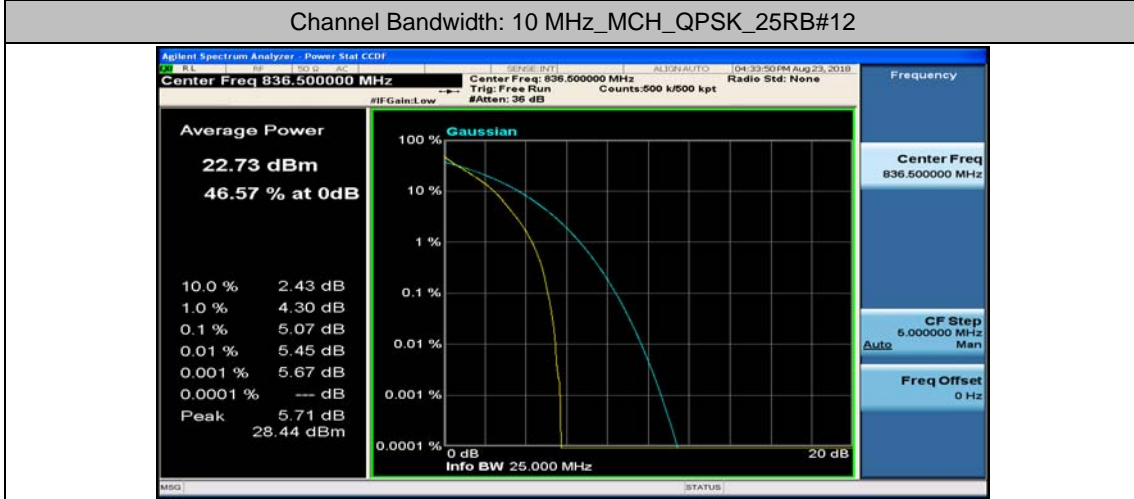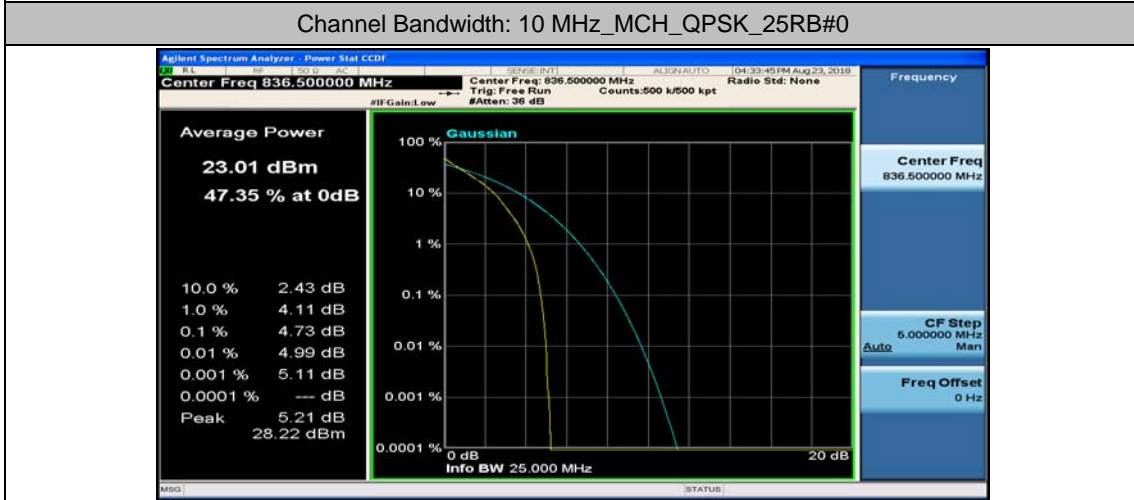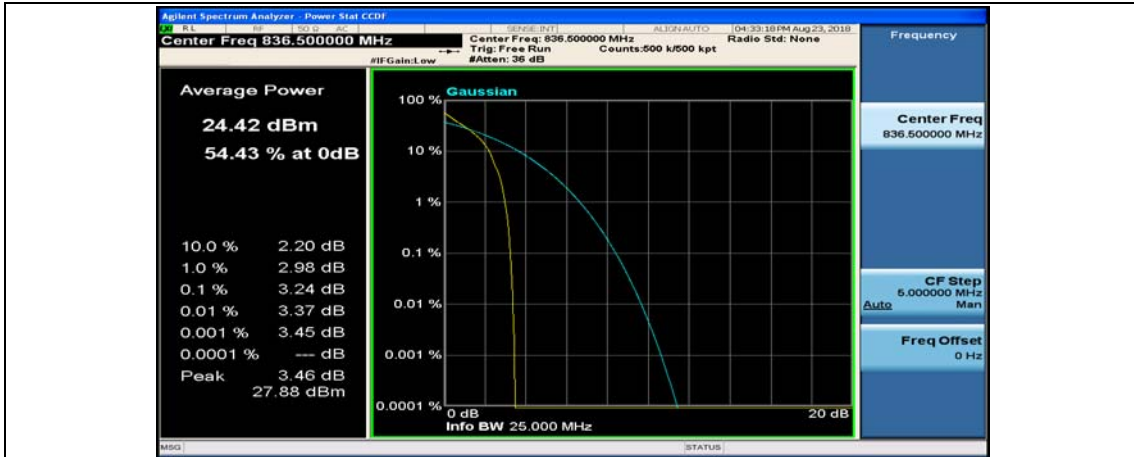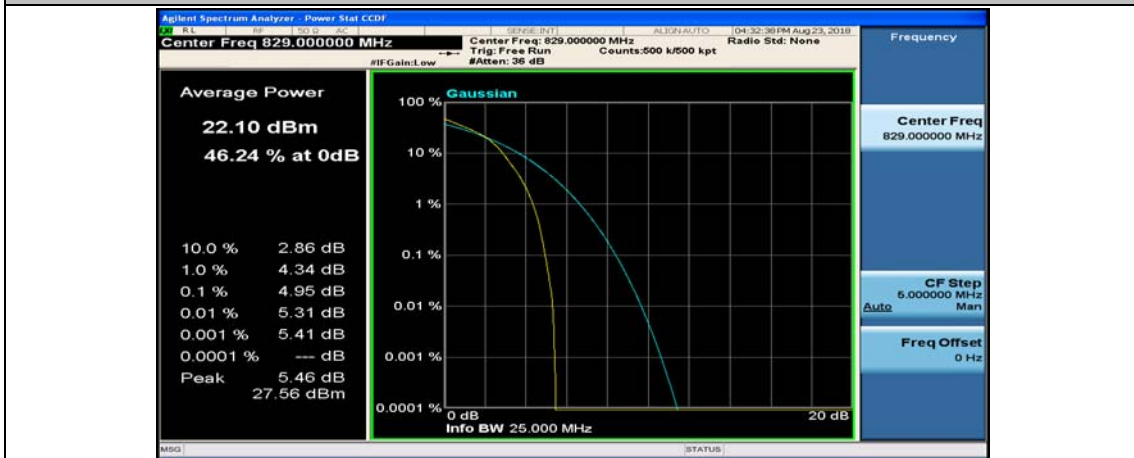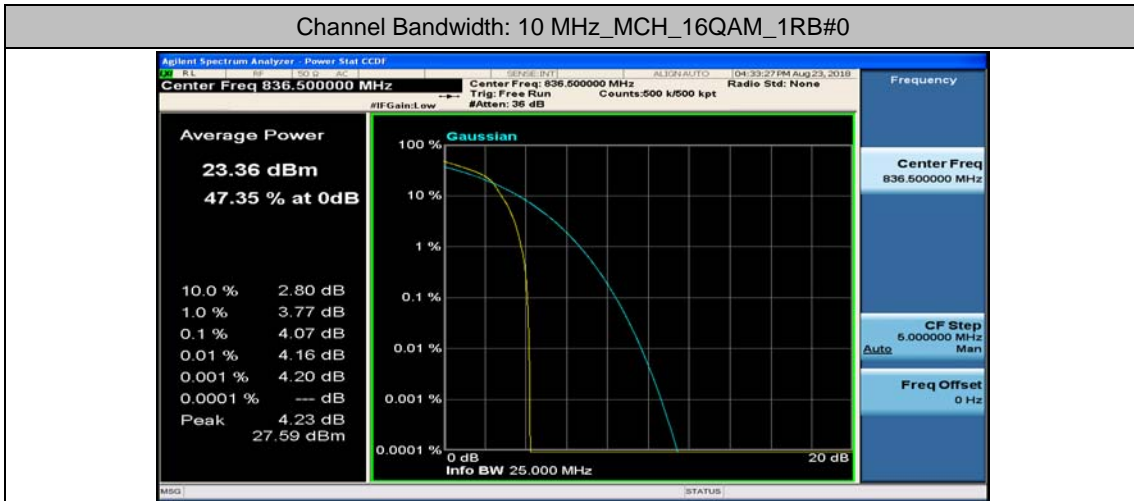Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 829.000000 MHz
#IFGain:Low
Center Freq: 829.000000 MHz
Trig: Free Run
#Atten: 36 dB
Counts:500 k/500 kpt
Radio Std: None
SENSE:INT
ALIGN AUTO
04:31:38 PM Aug 23, 2018

Average Power
24.14 dBm
55.67 % at 0dB

10.0 %	2.11 dB
1.0 %	2.79 dB
0.1 %	3.03 dB
0.01 %	3.19 dB
0.001 %	3.32 dB
0.0001 %	--- dB
Peak	3.35 dB
	27.49 dBm

Gaussian
Info BW 25.000 MHz

Frequency
Center Freq 829.000000 MHz
CF Step 5.000000 MHz Auto Man
Freq Offset 0 Hz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 829.000000 MHz
#IFGain:Low
Center Freq: 829.000000 MHz
Trig: Free Run
#Atten: 36 dB
Counts:500 k/500 kpt
Radio Std: None
SENSE:INT
ALIGN AUTO
04:31:42 PM Aug 23, 2018

Average Power
24.29 dBm
56.66 % at 0dB

10.0 %	2.05 dB
1.0 %	2.68 dB
0.1 %	2.86 dB
0.01 %	3.02 dB
0.001 %	3.06 dB
0.0001 %	--- dB
Peak	3.06 dB
	27.35 dBm

Gaussian
Info BW 25.000 MHz

Frequency
Center Freq 829.000000 MHz
CF Step 5.000000 MHz Auto Man
Freq Offset 0 Hz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 829.000000 MHz
#IFGain:Low
Center Freq: 829.000000 MHz
Trig: Free Run
#Atten: 36 dB
Counts:500 k/500 kpt
Radio Std: None
SENSE:INT
ALIGN AUTO
04:31:47 PM Aug 23, 2018

Average Power
23.92 dBm
51.71 % at 0dB

10.0 %	2.41 dB
1.0 %	3.28 dB
0.1 %	3.56 dB
0.01 %	3.74 dB
0.001 %	3.82 dB
0.0001 %	--- dB
Peak	3.84 dB
	27.76 dBm

Gaussian
Info BW 25.000 MHz

Frequency
Center Freq 829.000000 MHz
CF Step 5.000000 MHz Auto Man
Freq Offset 0 Hz

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

Average Power

23.04 dBm

50.43 % at 0dB

10.0 %	2.26 dB
1.0 %	3.54 dB
0.1 %	4.07 dB
0.01 %	4.34 dB
0.001 %	4.52 dB
0.0001 %	--- dB
Peak	4.60 dB
	27.64 dBm

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Average Power

23.12 dBm

49.23 % at 0dB

10.0 %	2.31 dB
1.0 %	3.54 dB
0.1 %	4.04 dB
0.01 %	4.23 dB
0.001 %	4.37 dB
0.0001 %	--- dB
Peak	4.40 dB
	27.52 dBm

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

Average Power

23.18 dBm

48.60 % at 0dB

10.0 %	2.38 dB
1.0 %	3.73 dB
0.1 %	4.23 dB
0.01 %	4.46 dB
0.001 %	4.58 dB
0.0001 %	--- dB
Peak	4.60 dB
	27.78 dBm

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
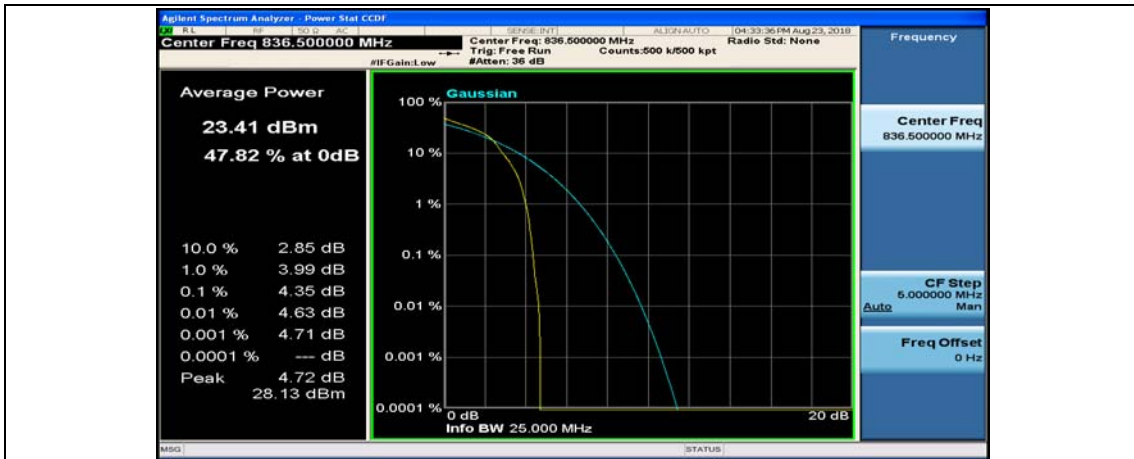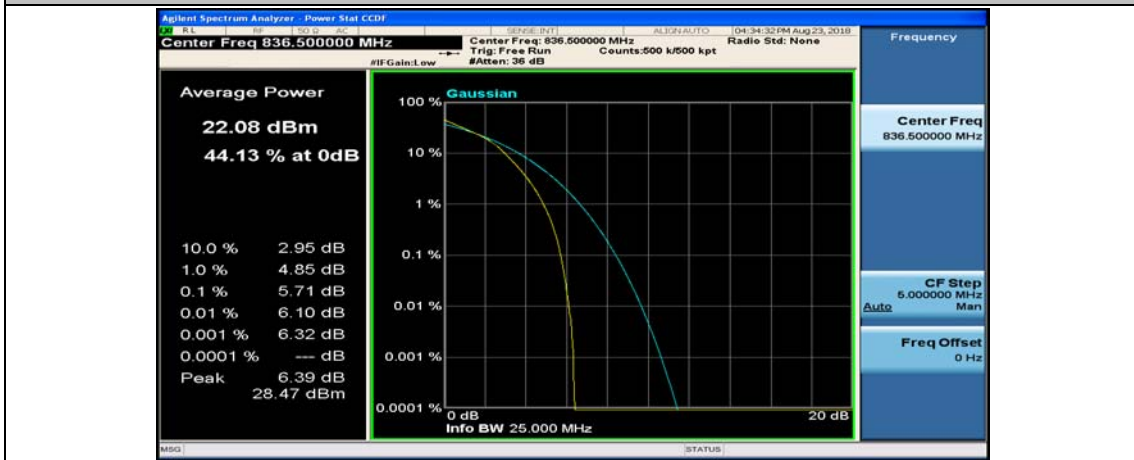

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

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
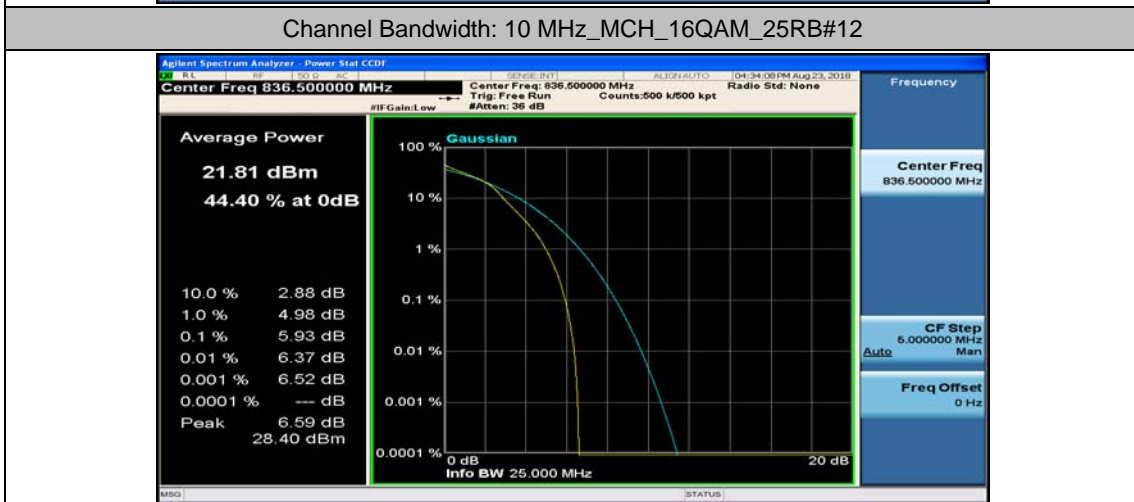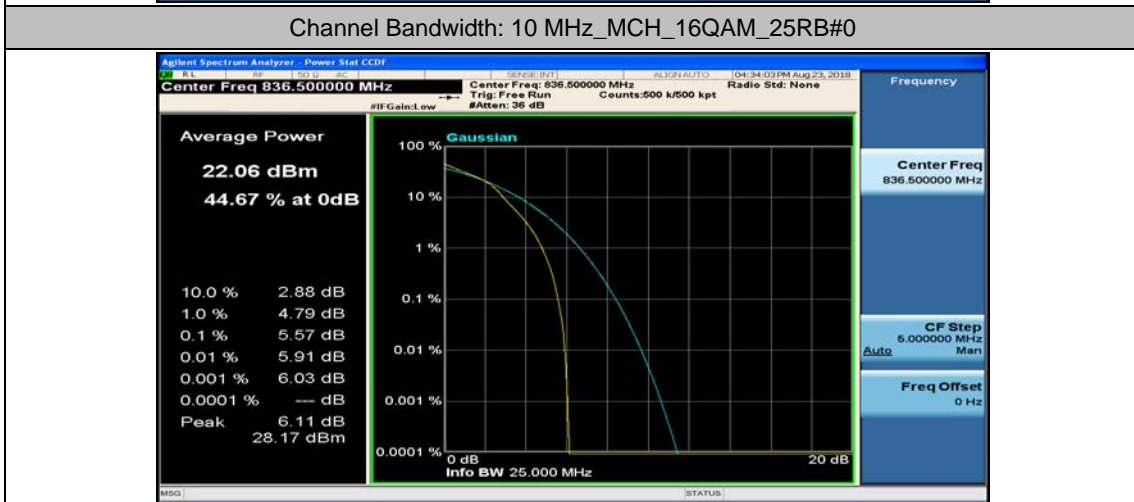
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

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

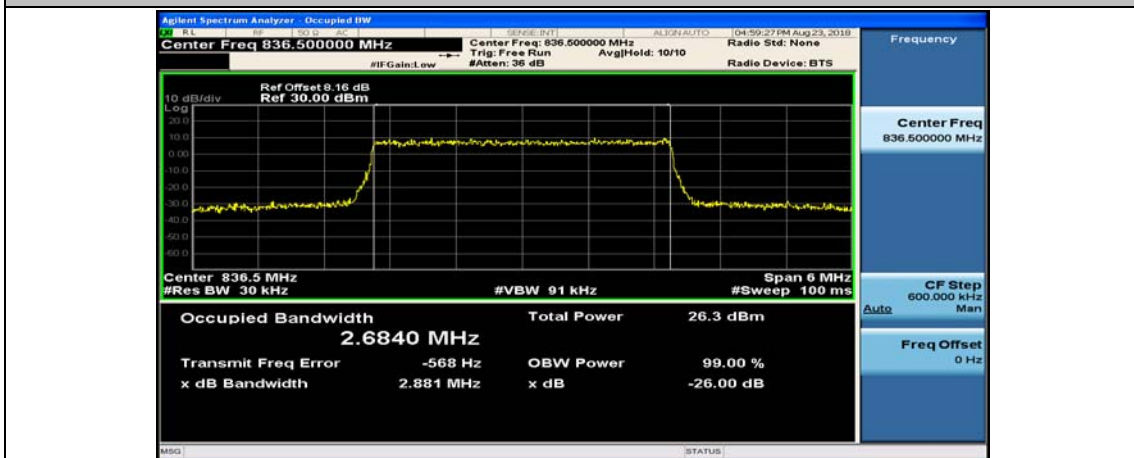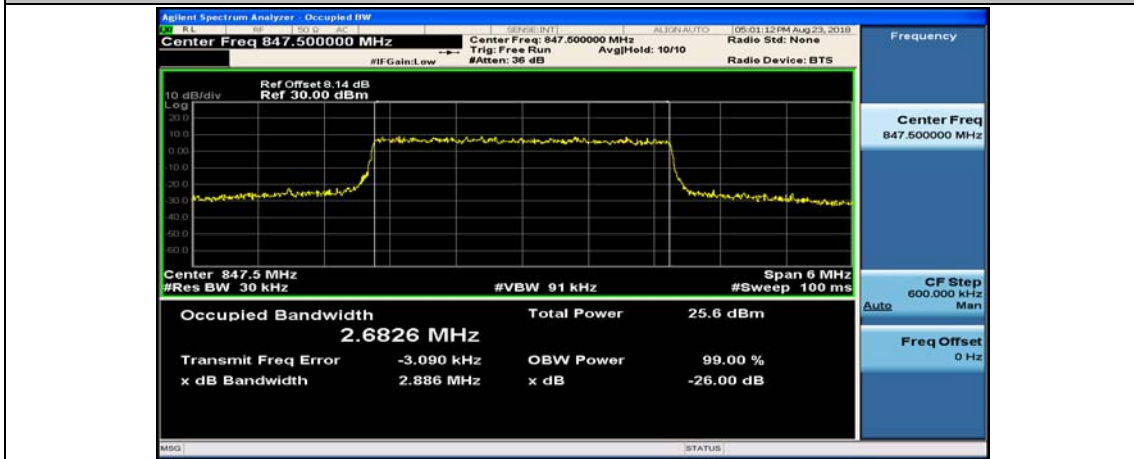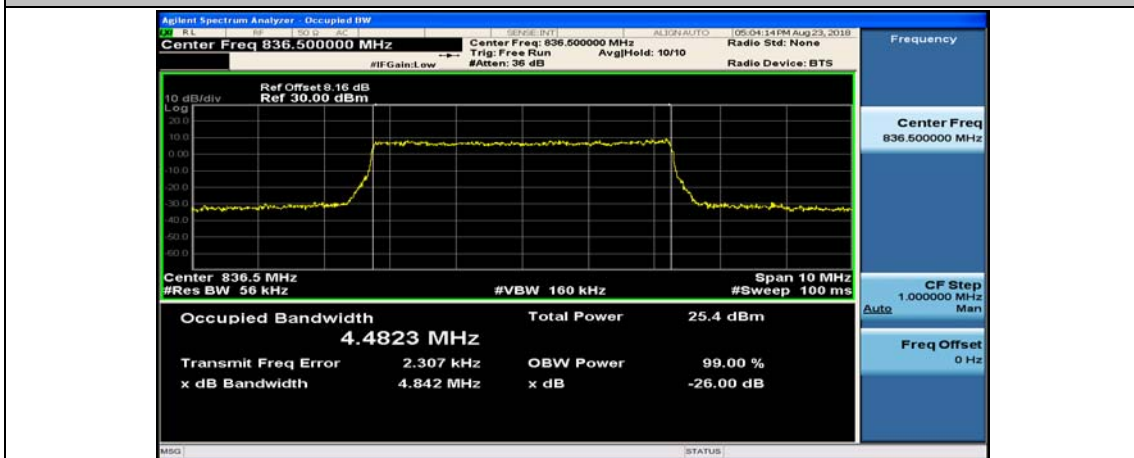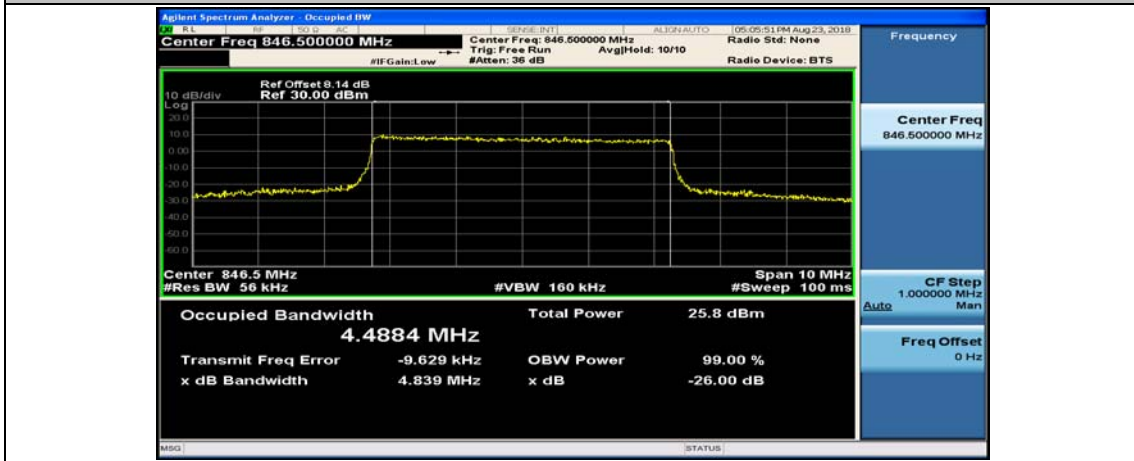| Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25 |
|---|
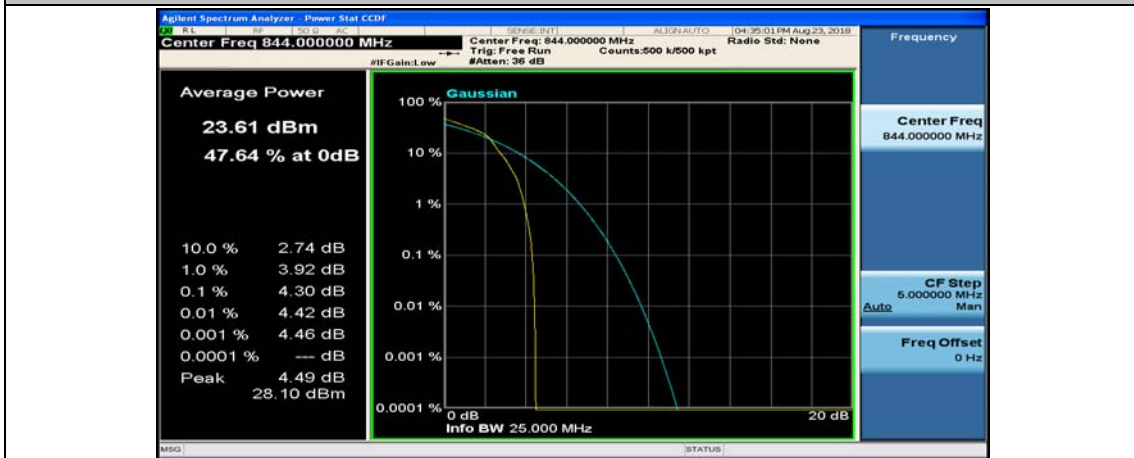
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0
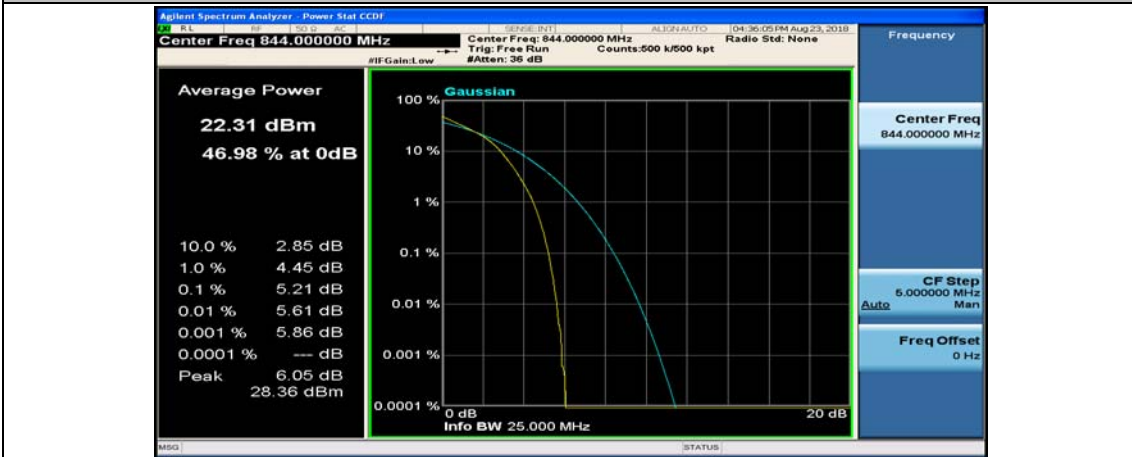
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 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	1.0789	1.232	PASS
	MCH	6	0	1.0747	1.208	PASS
	HCH	6	0	1.0781	1.230	PASS
16QAM	LCH	6	0	1.0789	1.231	PASS
	MCH	6	0	1.0784	1.224	PASS
	HCH	6	0	1.0819	1.237	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	2.6832	2.860	PASS
	MCH	15	0	2.6840	2.881	PASS
	HCH	15	0	2.6843	2.892	PASS
16QAM	LCH	15	0	2.6788	2.862	PASS
	MCH	15	0	2.6868	2.869	PASS
	HCH	15	0	2.6826	2.886	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	4.4773	4.852	PASS
	MCH	25	0	4.4823	4.842	PASS
	HCH	25	0	4.4884	4.839	PASS
16QAM	LCH	25	0	4.4861	4.800	PASS
	MCH	25	0	4.4889	4.846	PASS
	HCH	25	0	4.4824	4.777	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	8.9300	9.449	PASS
	MCH	50	0	8.9509	9.531	PASS
	HCH	50	0	8.9184	9.428	PASS
16QAM	LCH	50	0	8.9123	9.395	PASS
	MCH	50	0	8.9673	9.510	PASS
	HCH	50	0	8.9047	9.397	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz
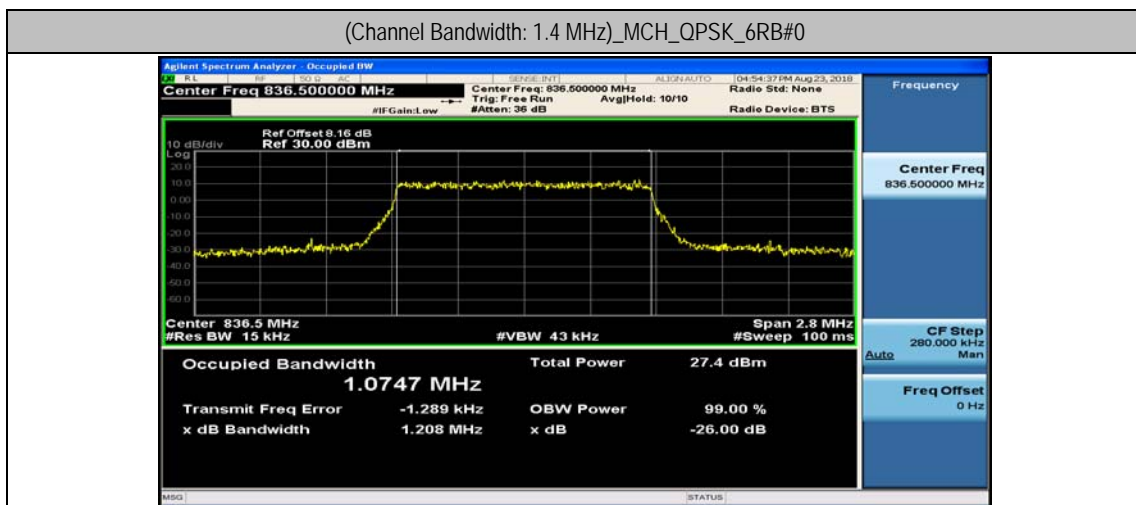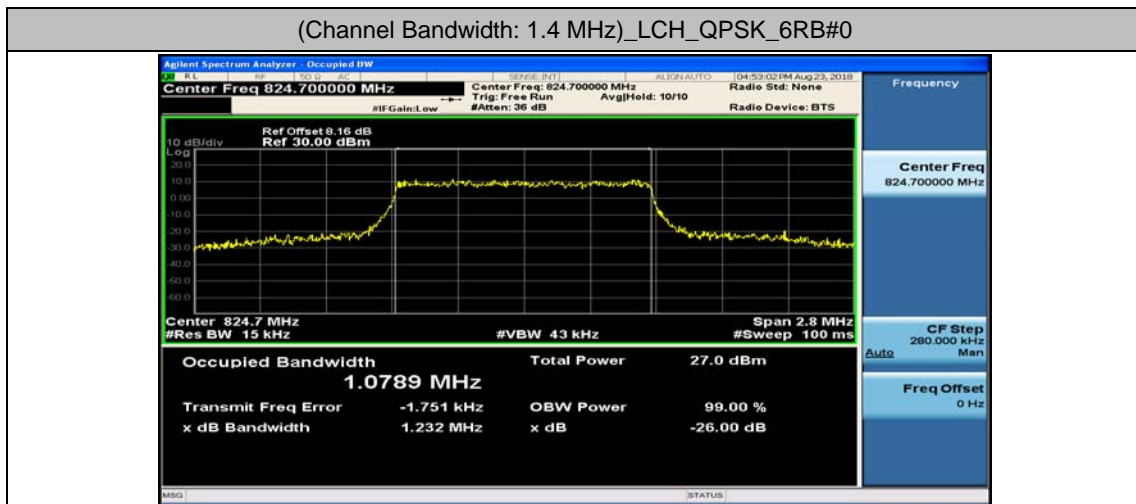
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0
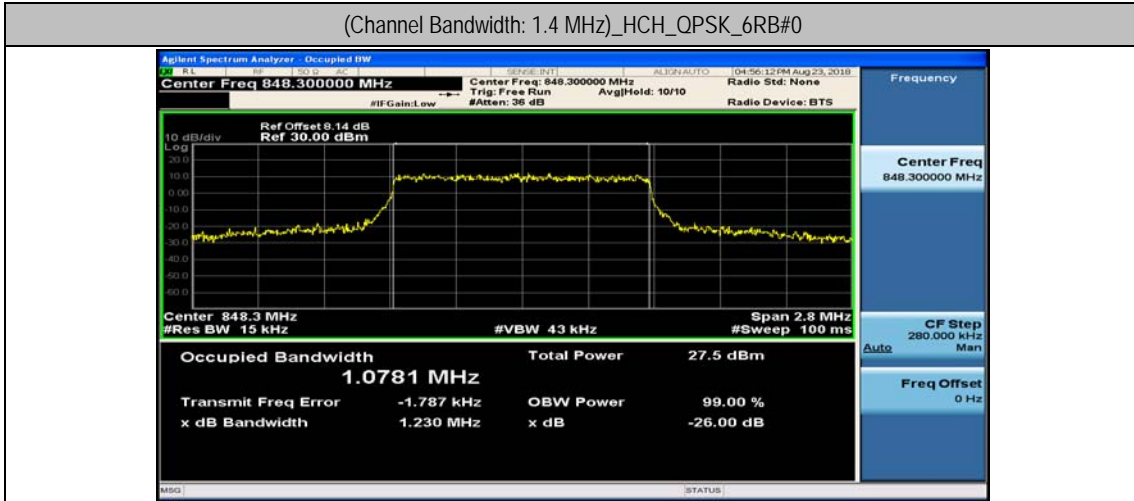
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0
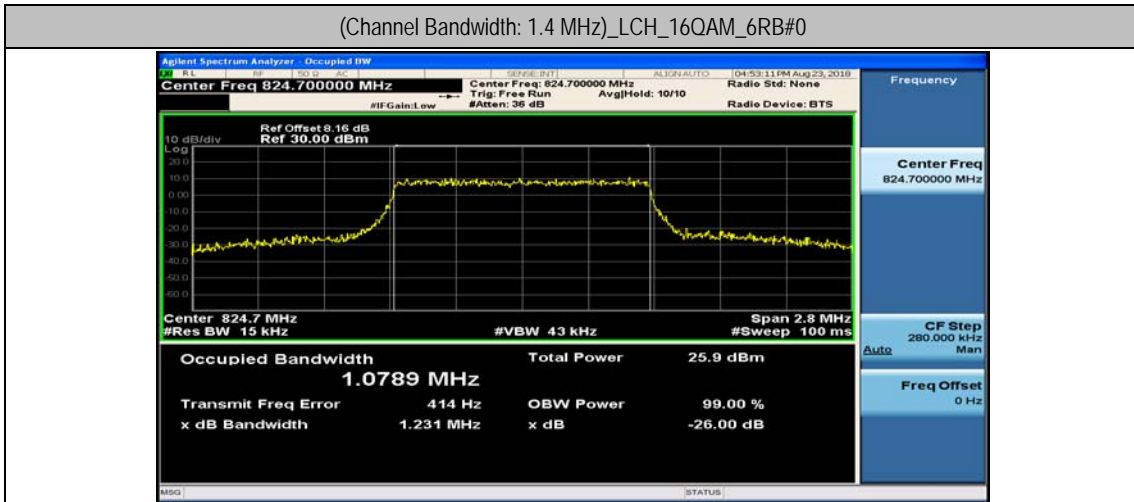
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0
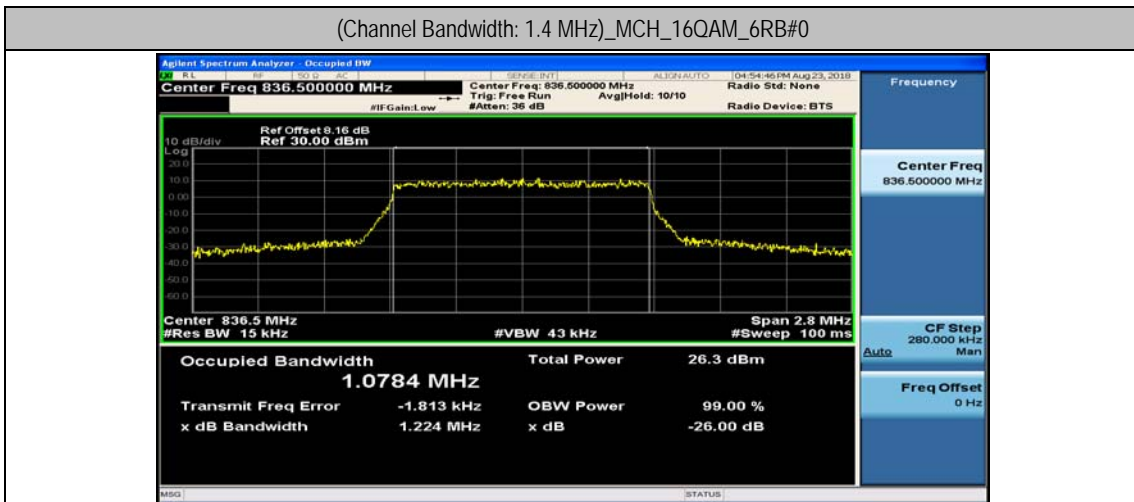
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0
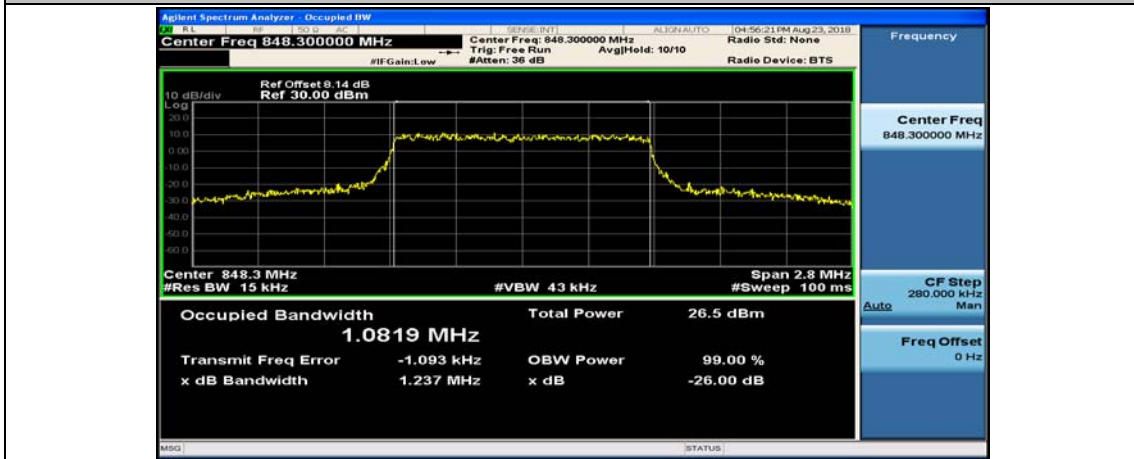
Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0
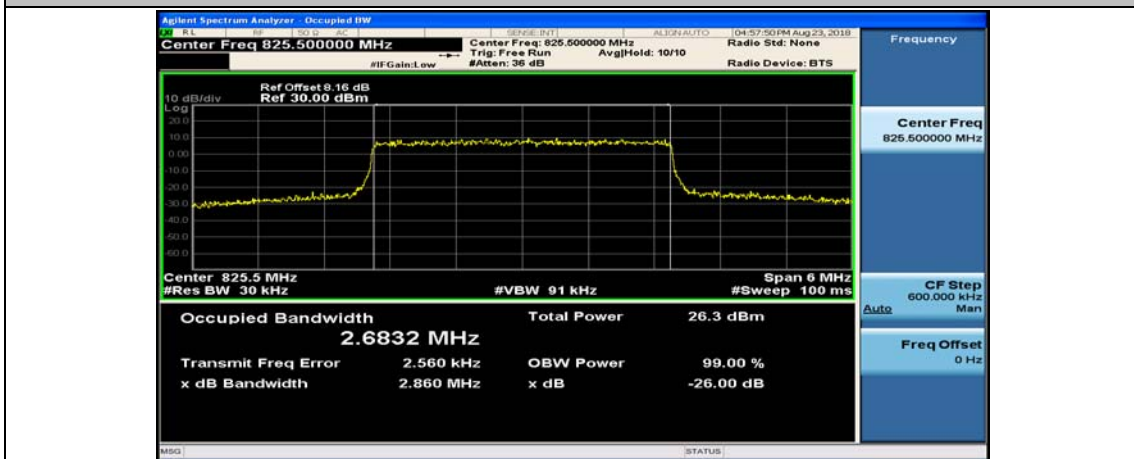
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0
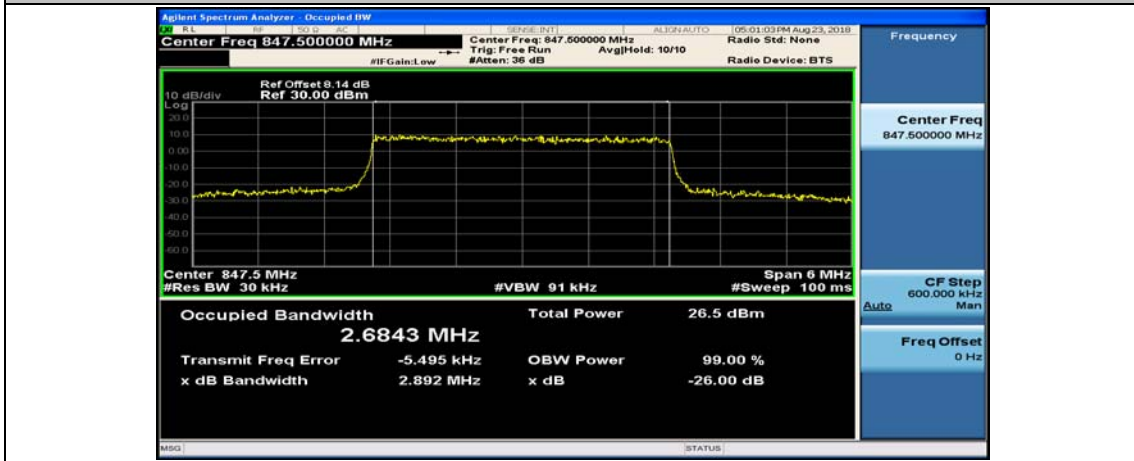
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0
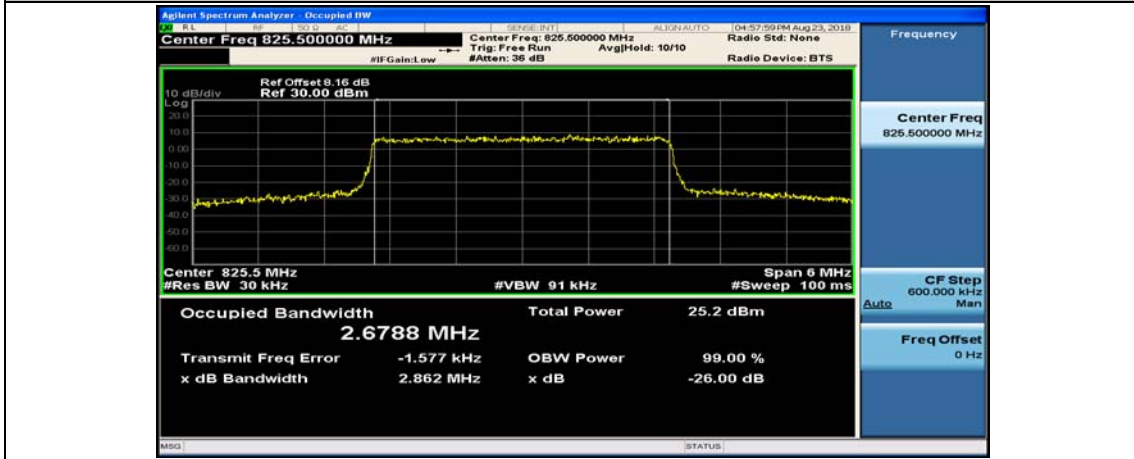
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0
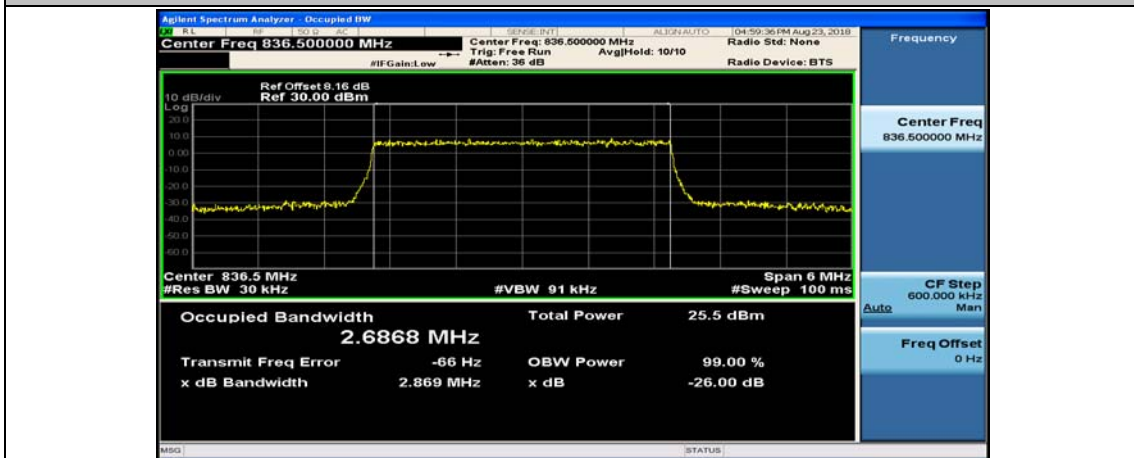
(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0
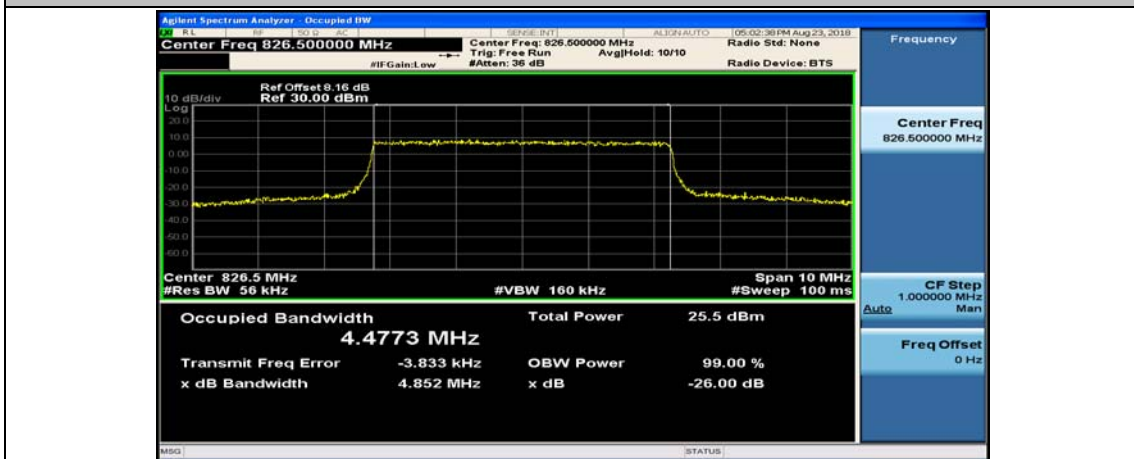
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0
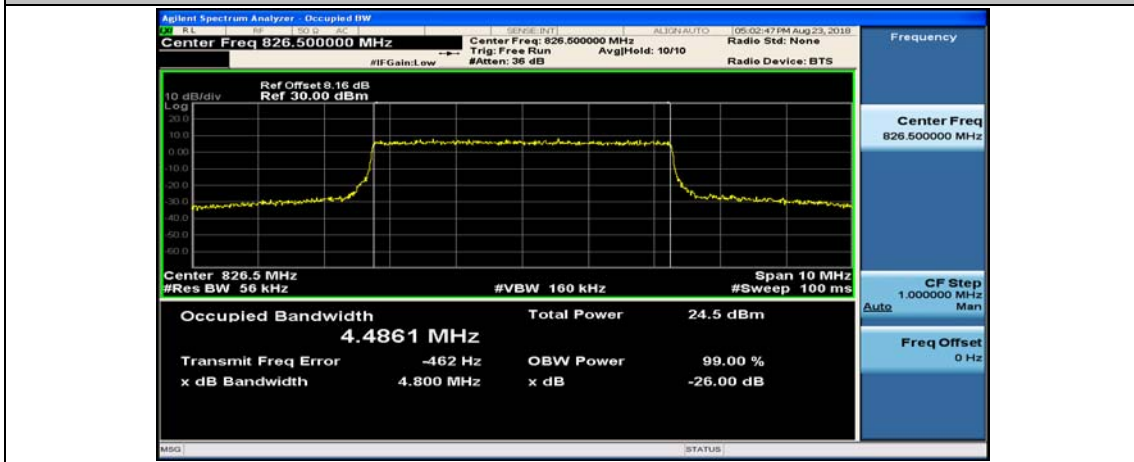
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0
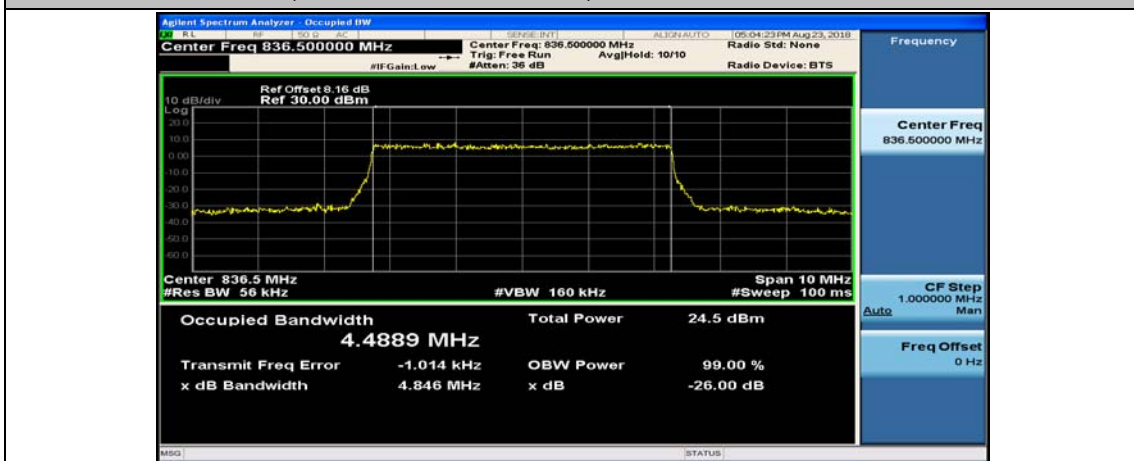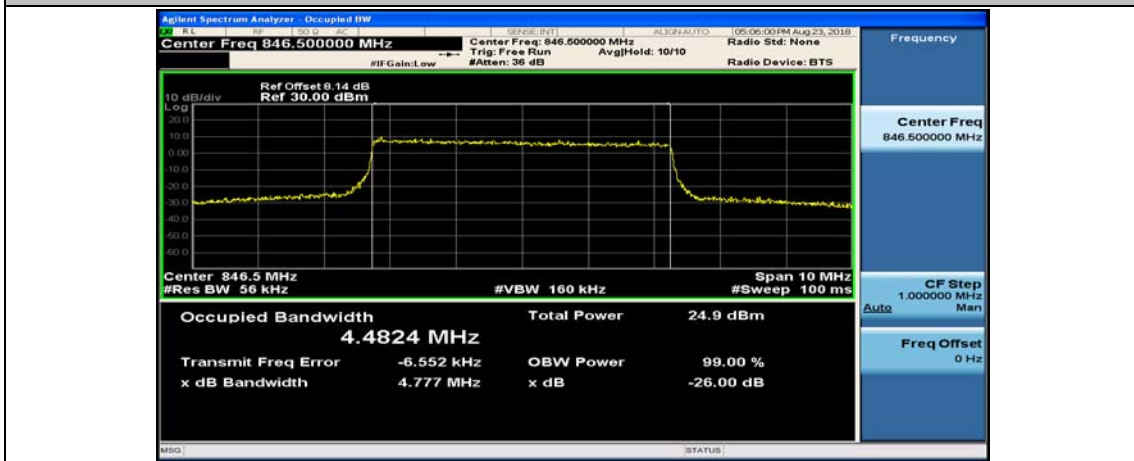
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0
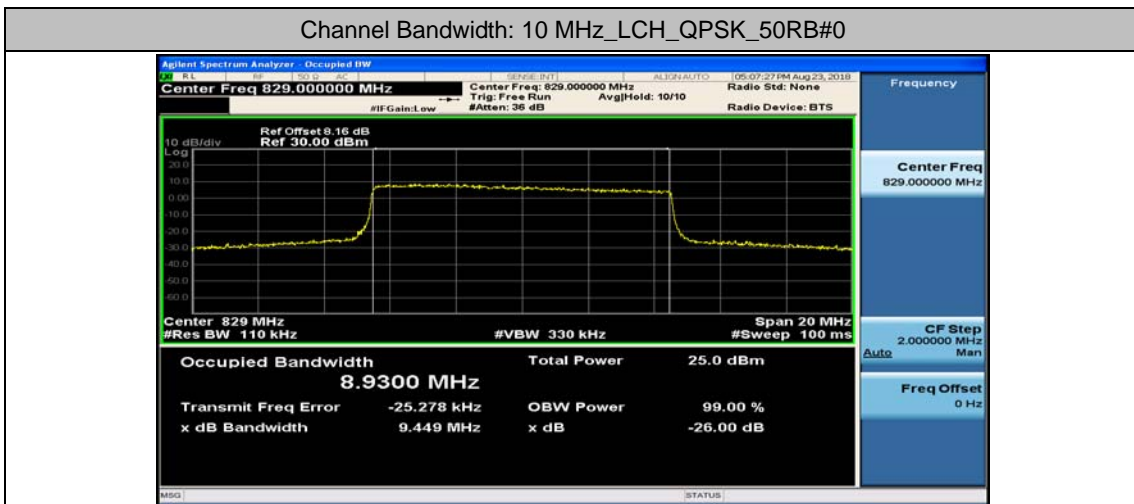
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0
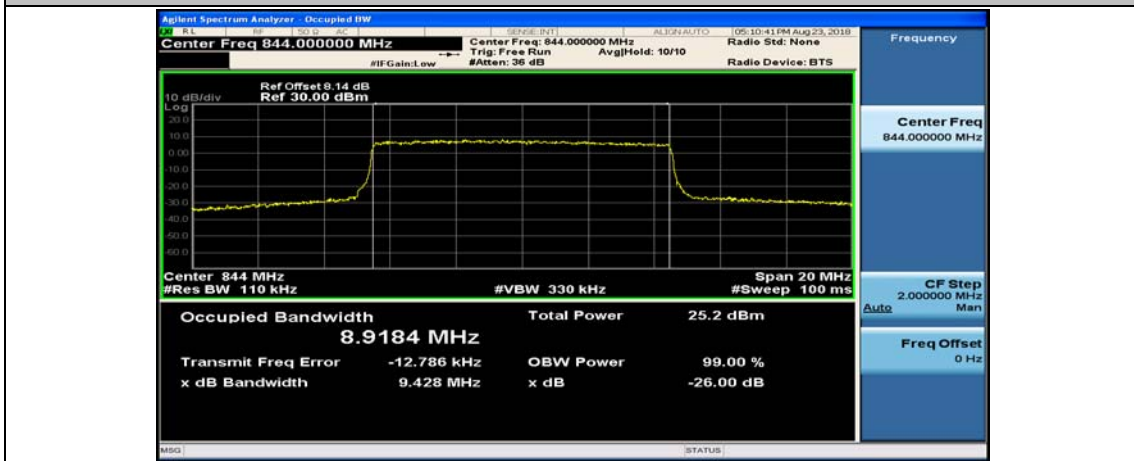
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0
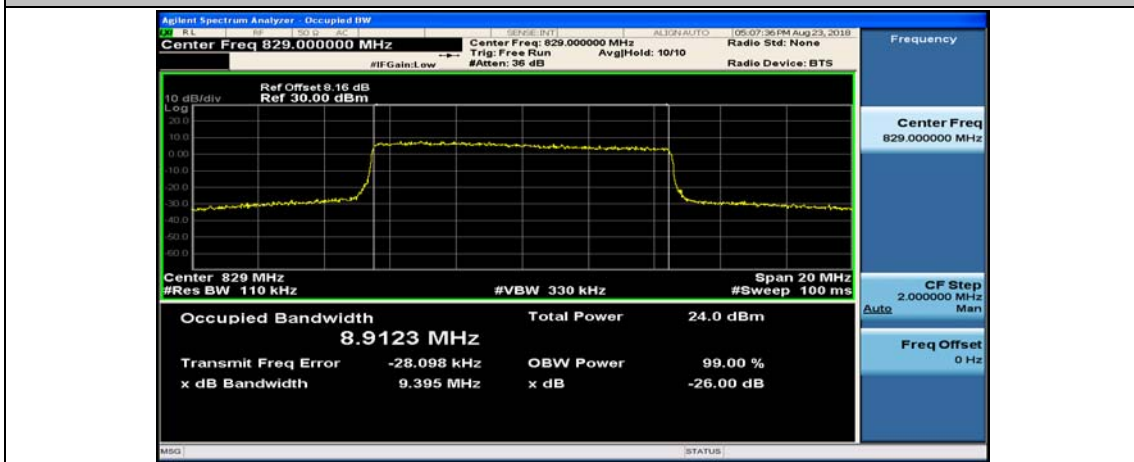
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0
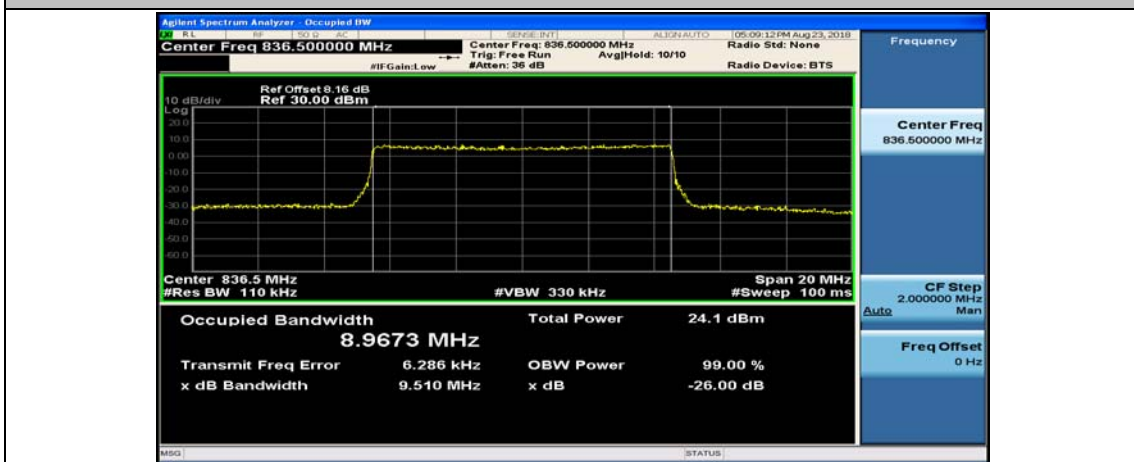
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0
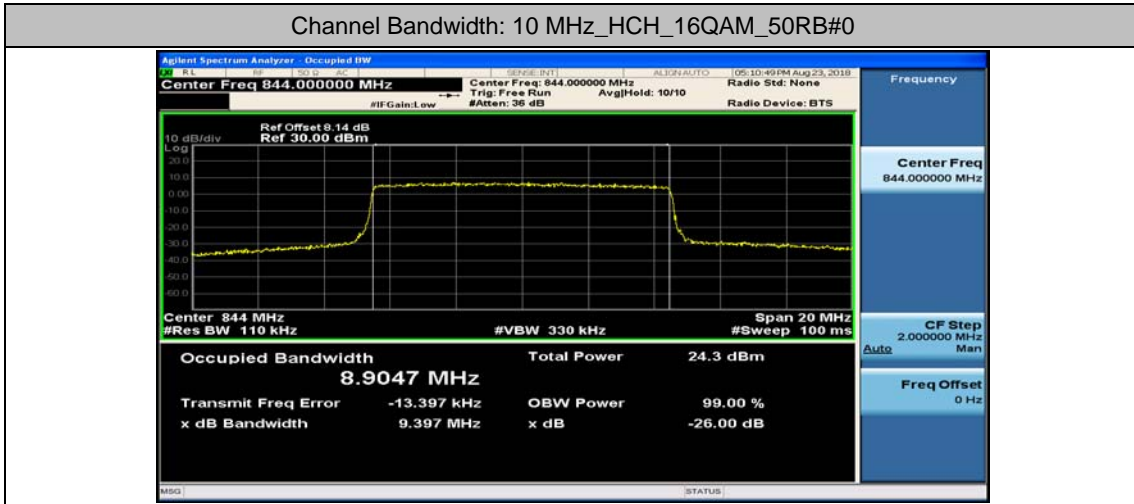
Appendix D: Band Edge

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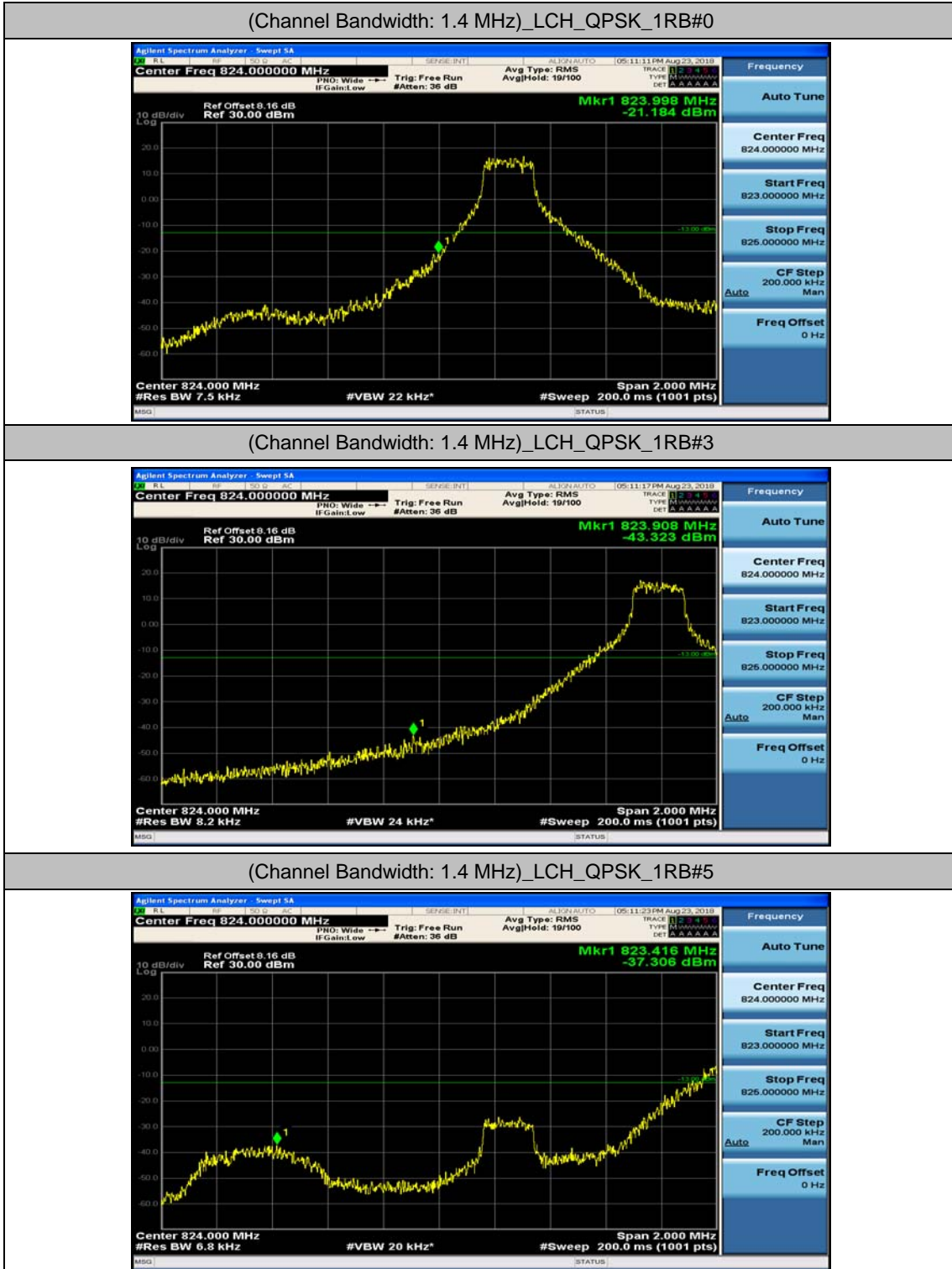
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0
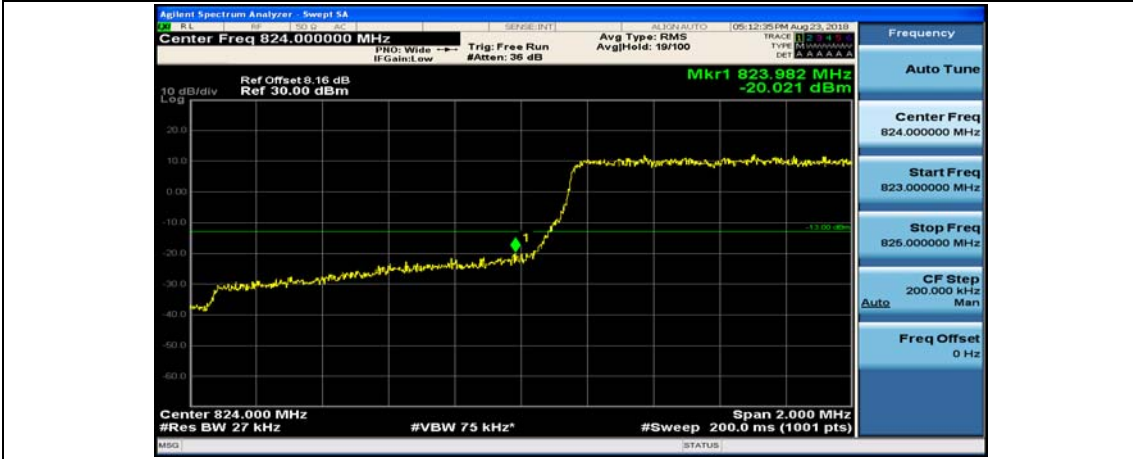
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3
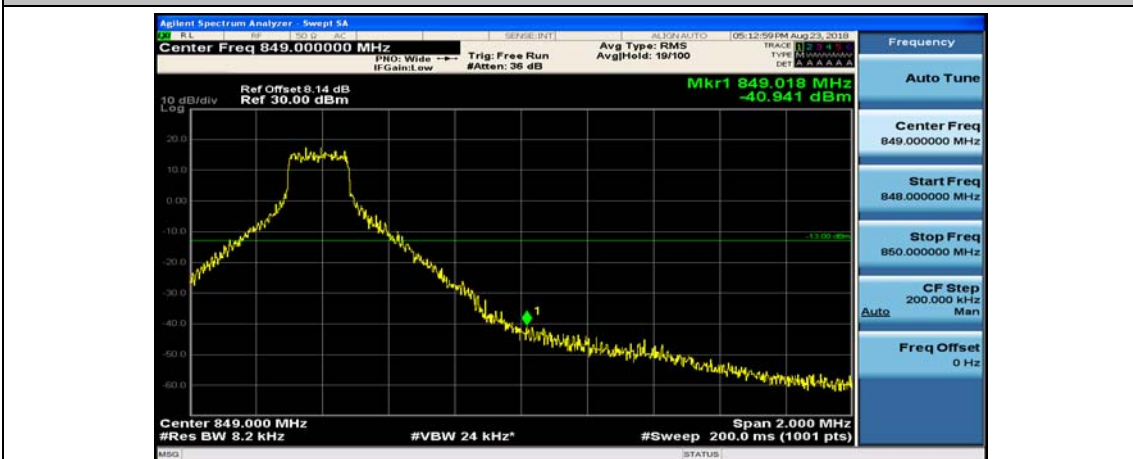
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

(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
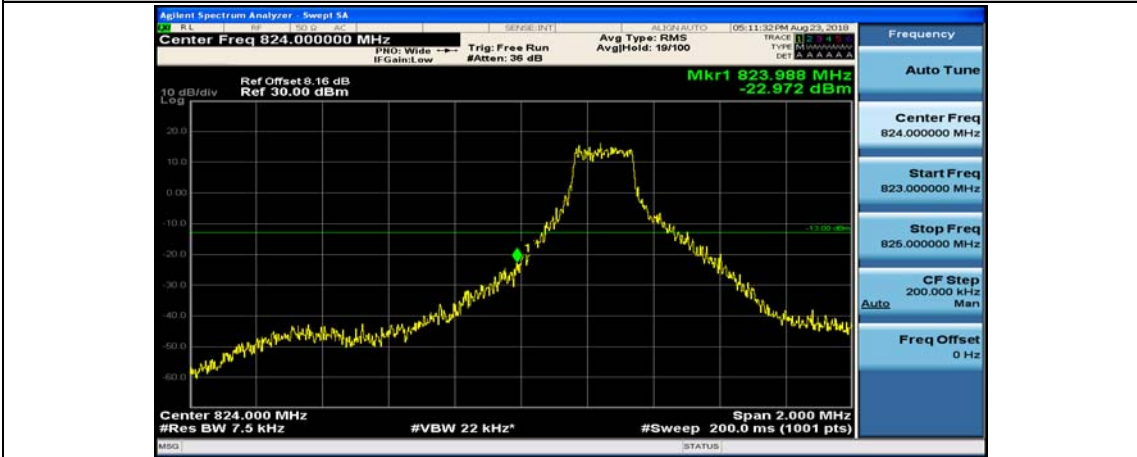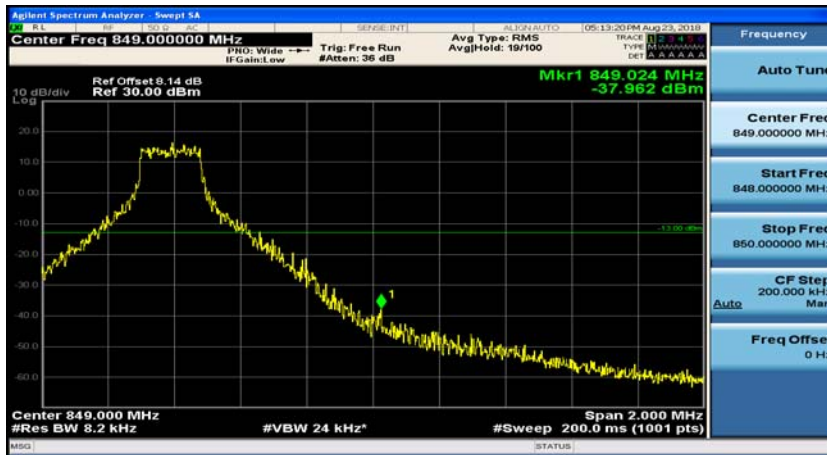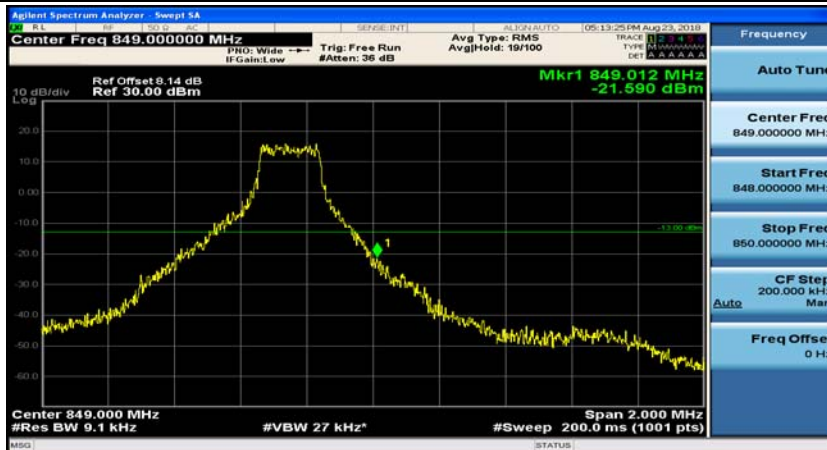

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3
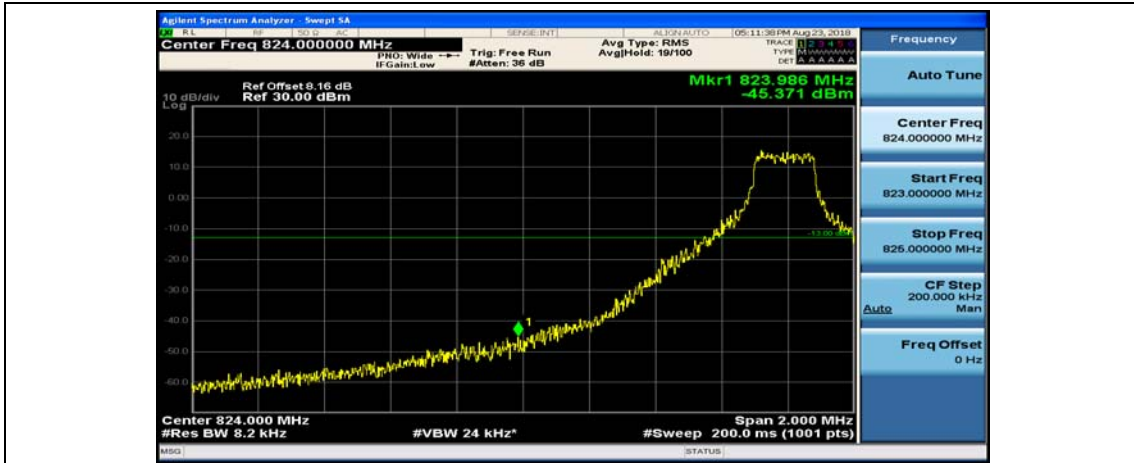
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0
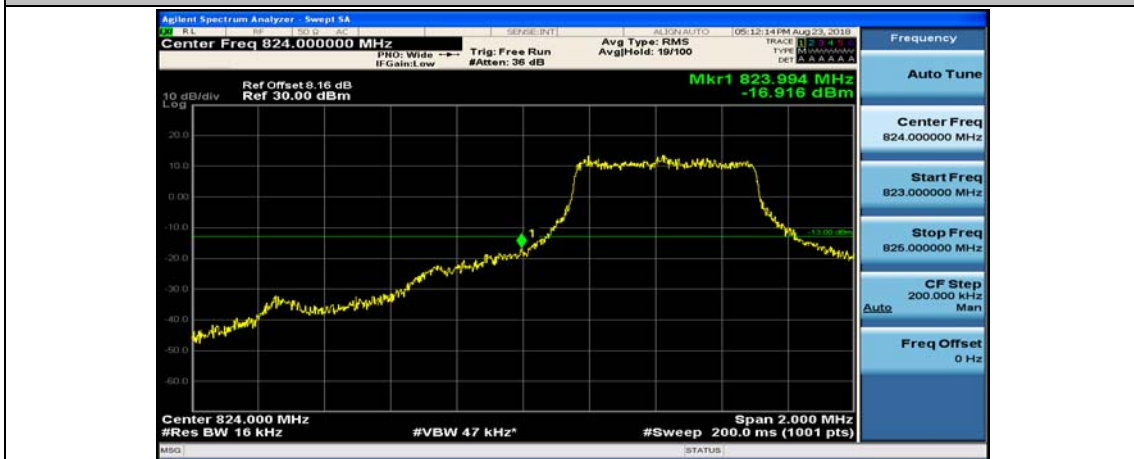
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2
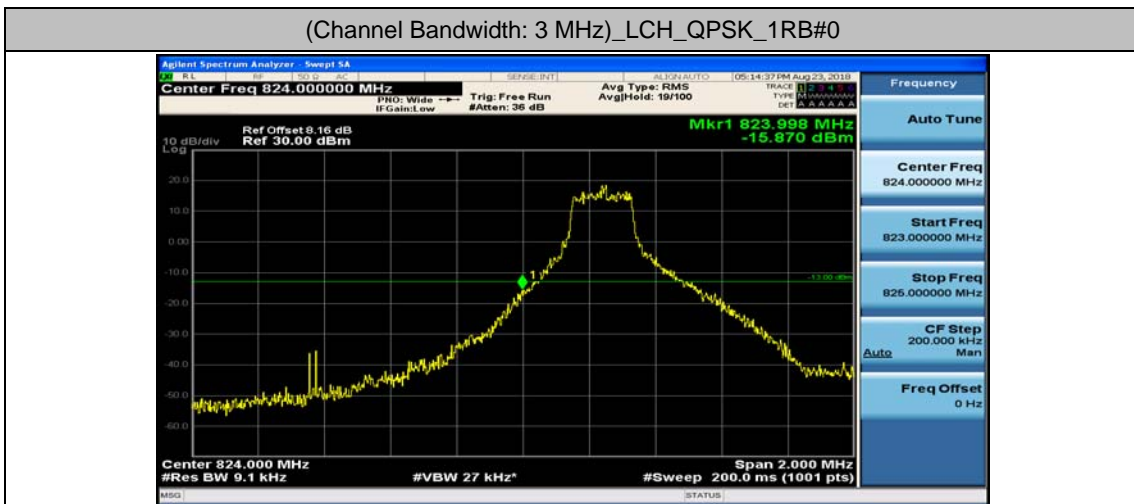
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

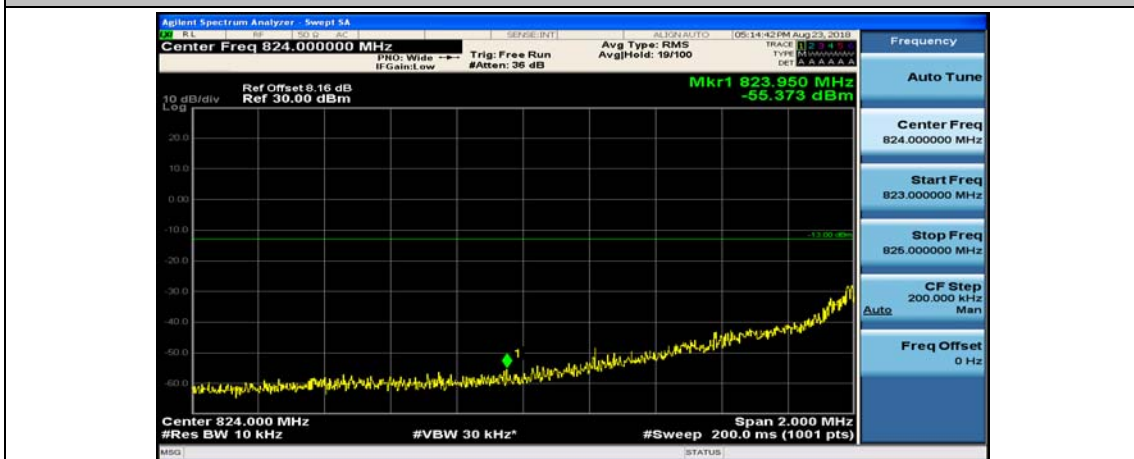| (Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0 |
|:---:|
| |
| (Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3 |
| |
| (Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5 |
| |
| (Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0 |

(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

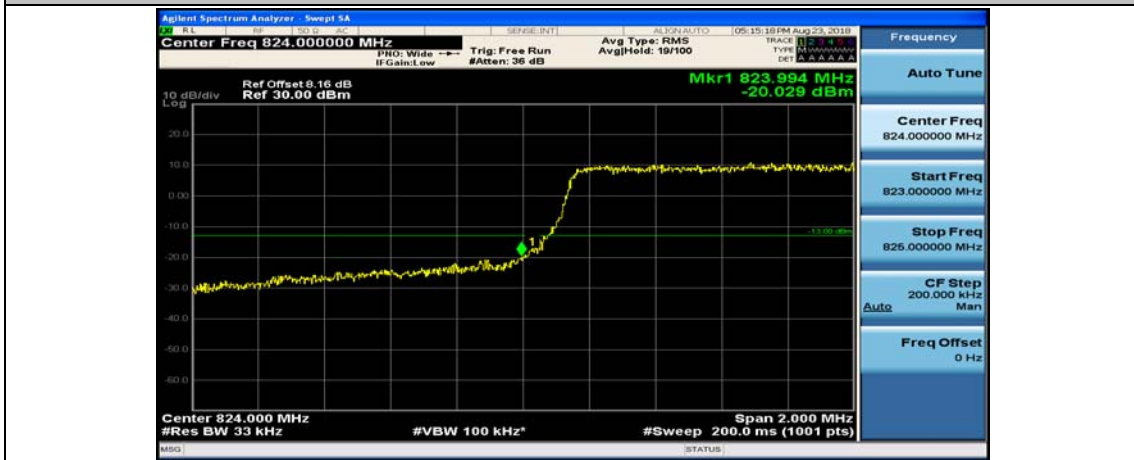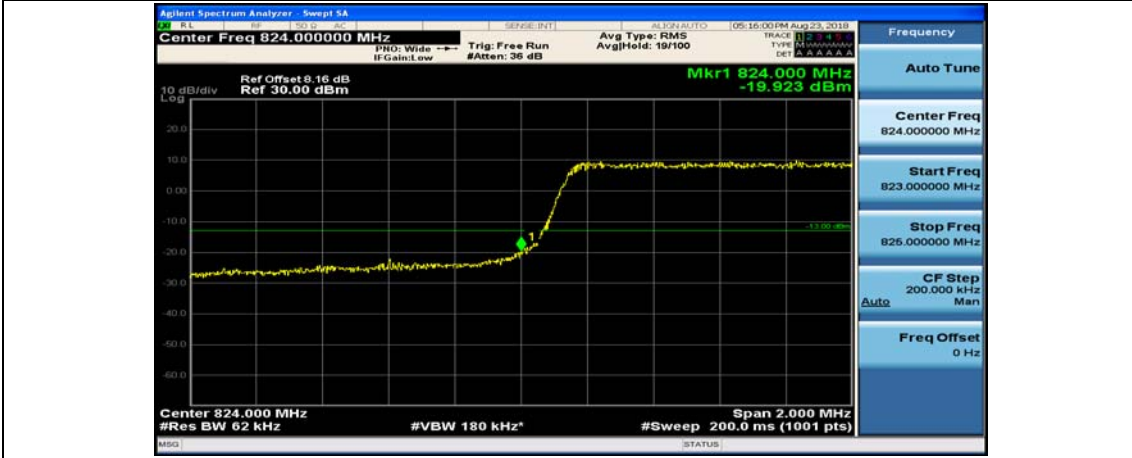| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0 |
|---|
| |
| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7 |
| |
| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14 |
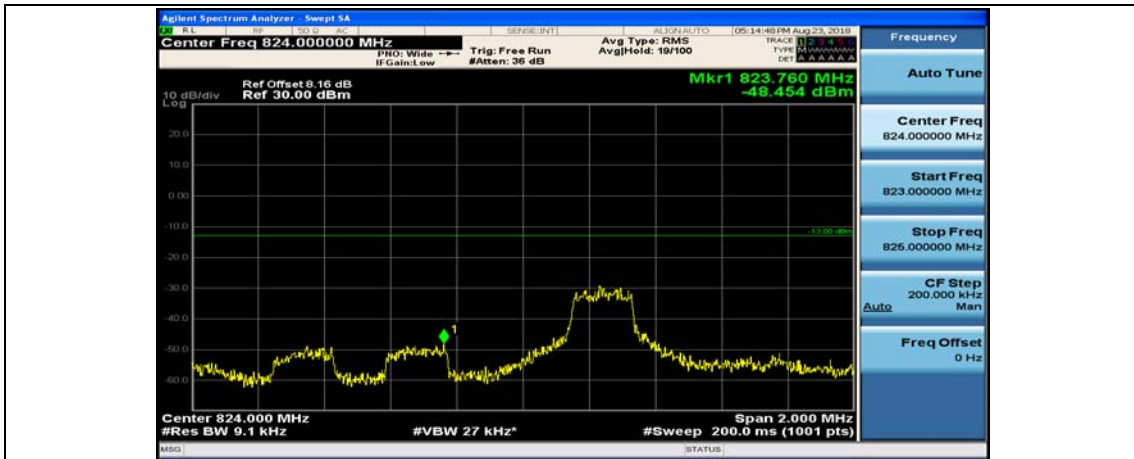
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7
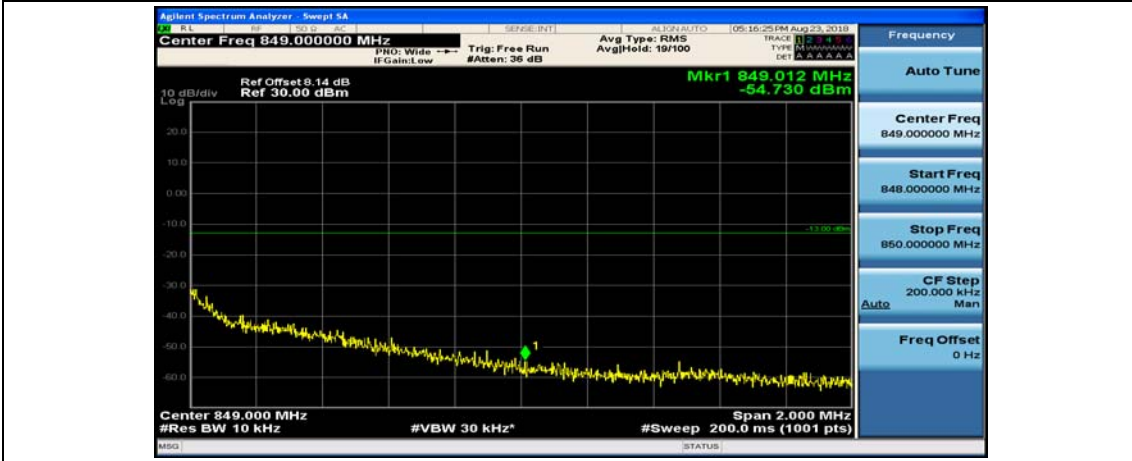
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(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0
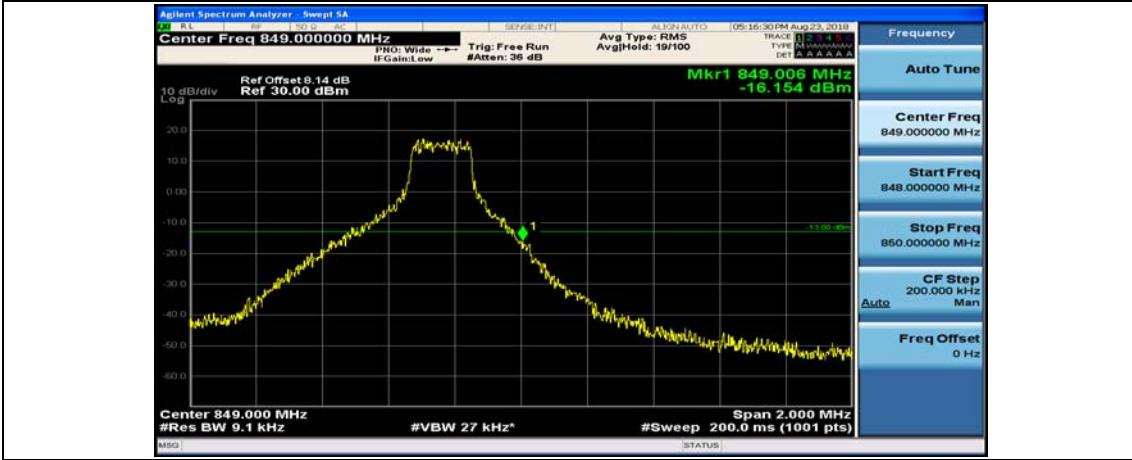

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7
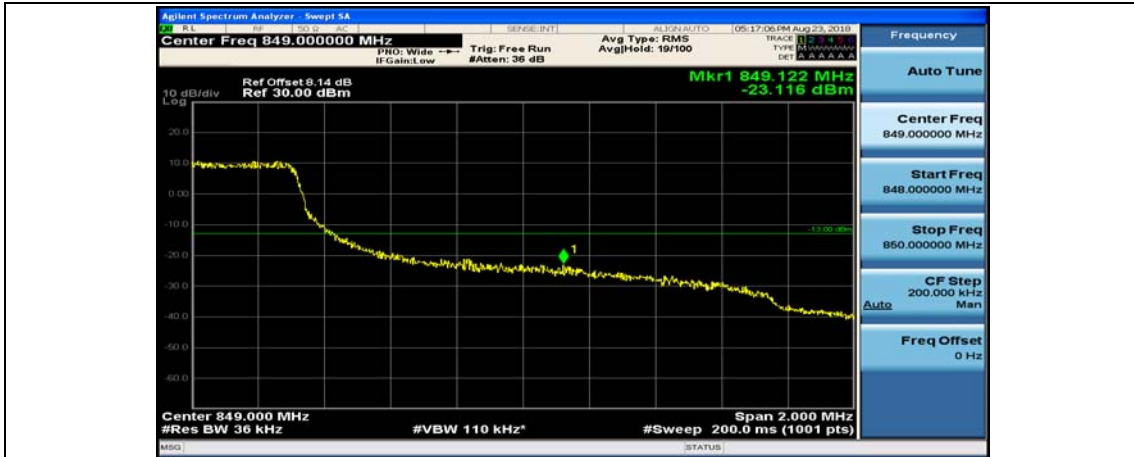
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

(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