(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0

(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18
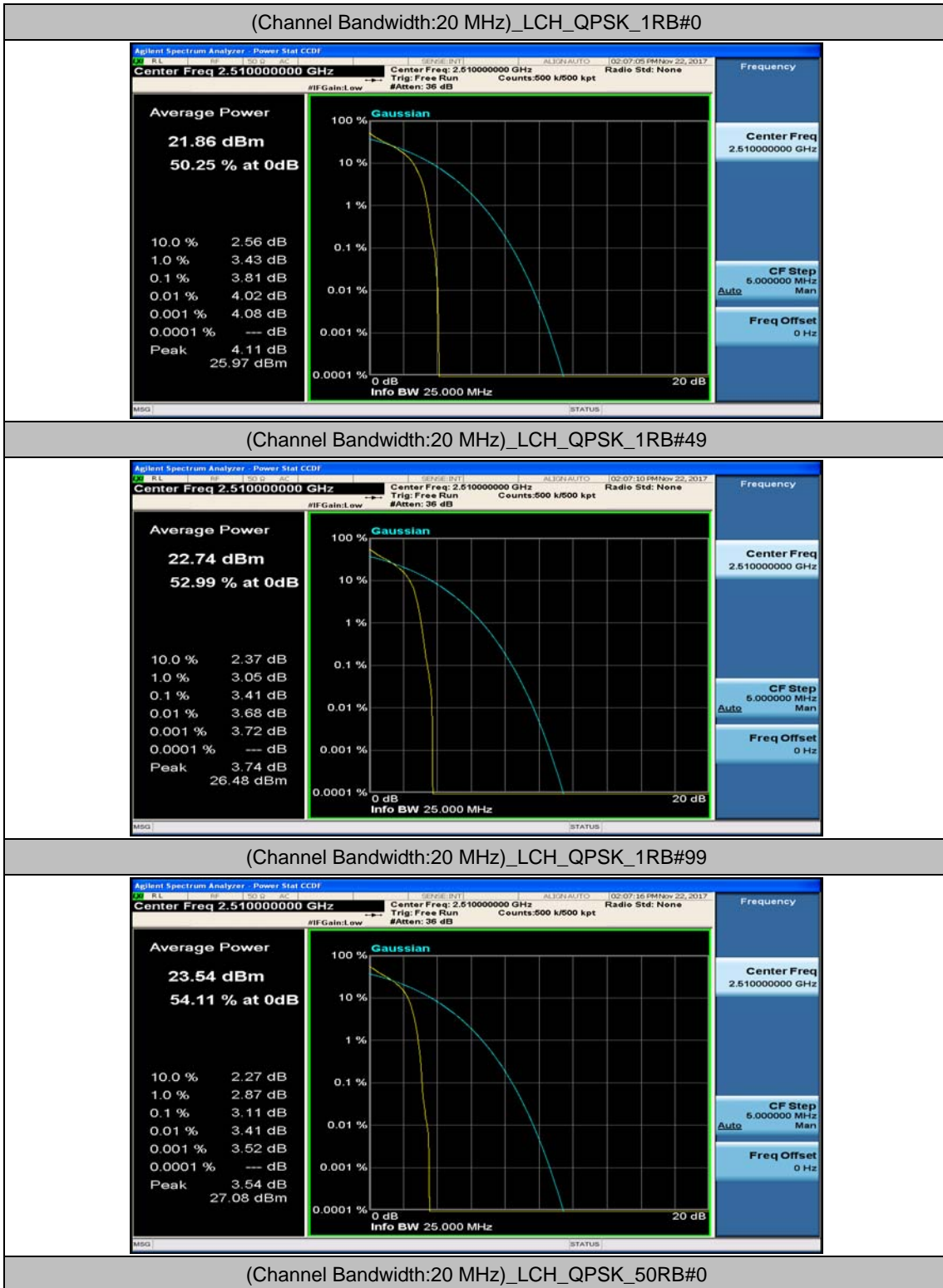
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38

(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

Channel Bandwidth: 20 MHz

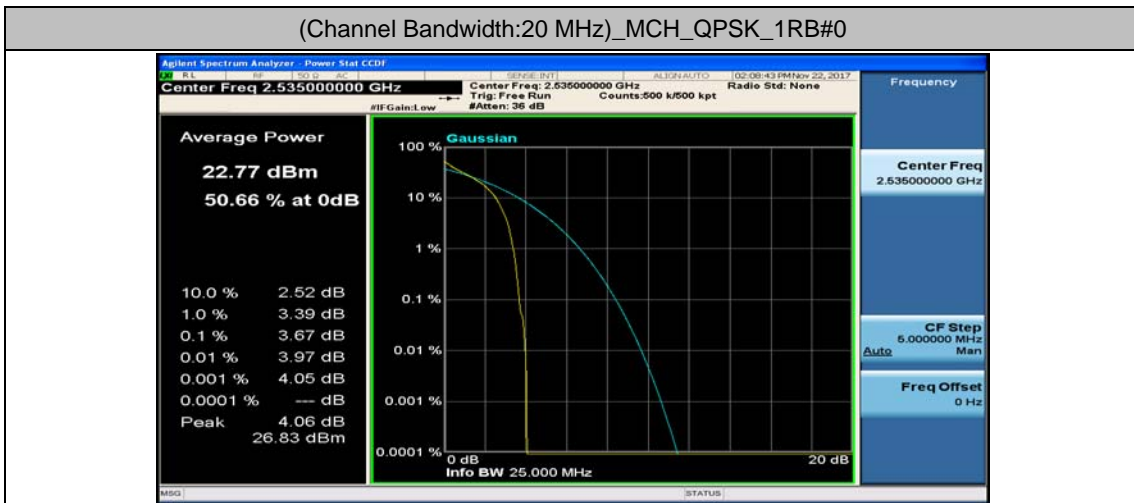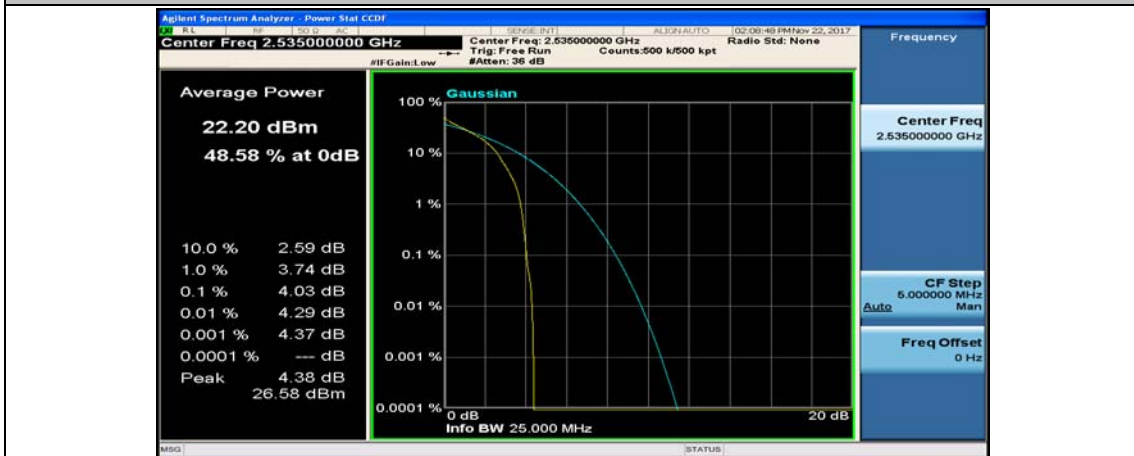| (Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0 |
|---|
| |
| (Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49 |
| |
| (Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99 |
| |
| (Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0 |

(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25

(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50

(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0

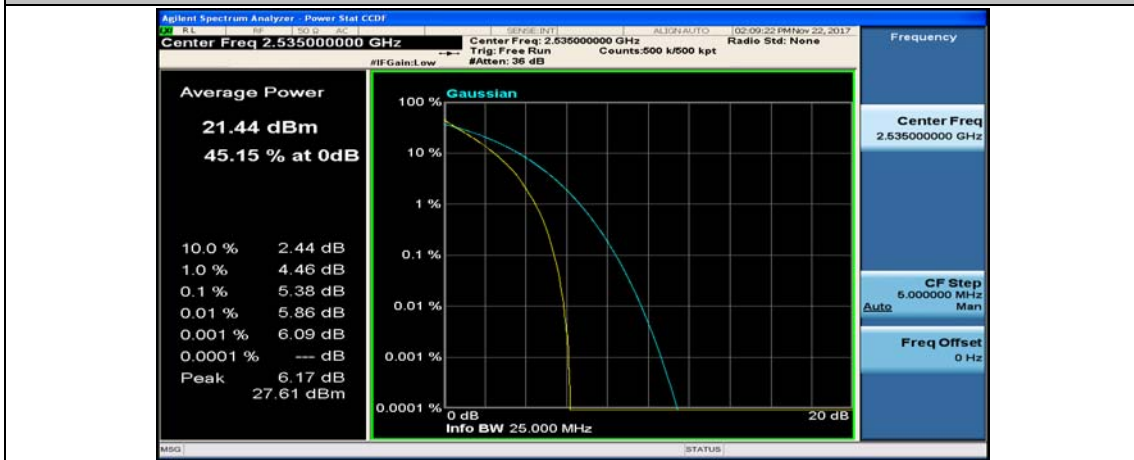| (Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0 |
|---|

(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99

(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#0

(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#25

(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#50

(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0
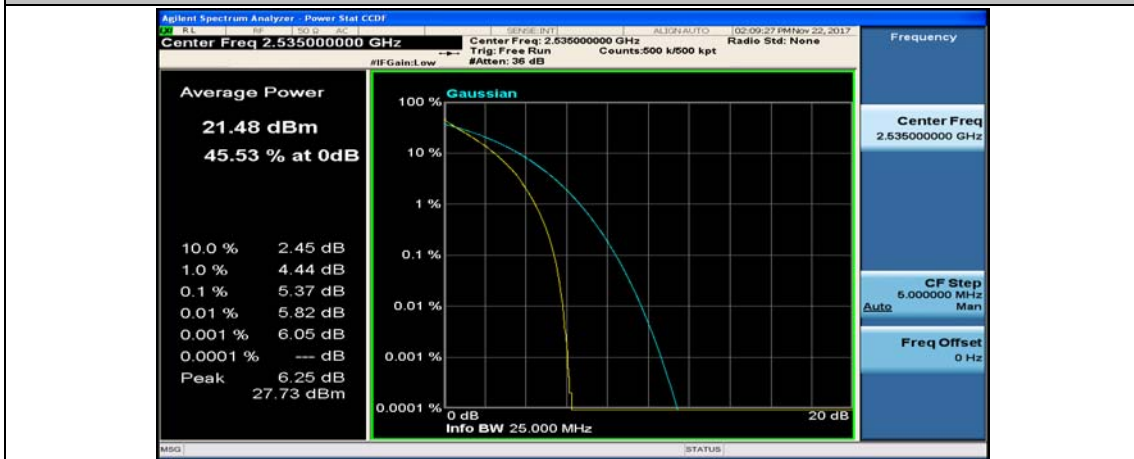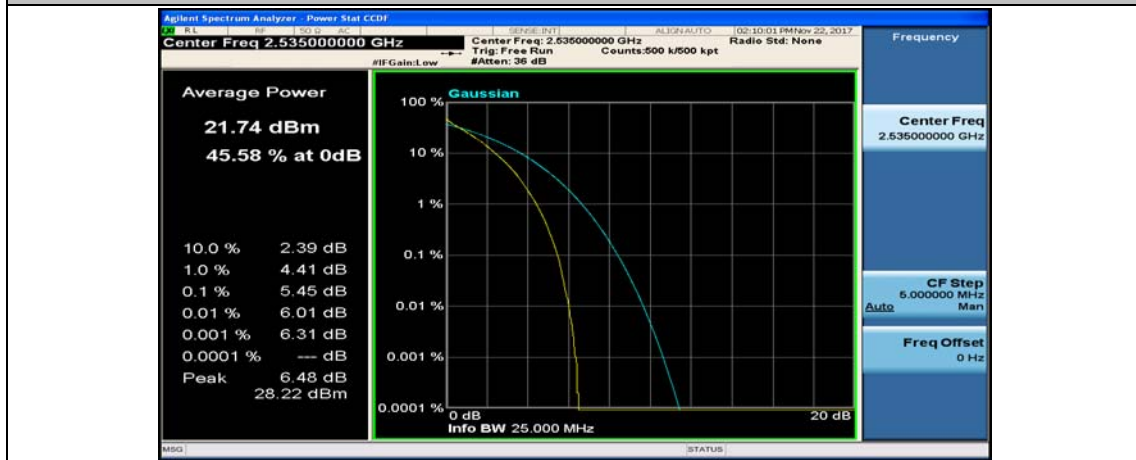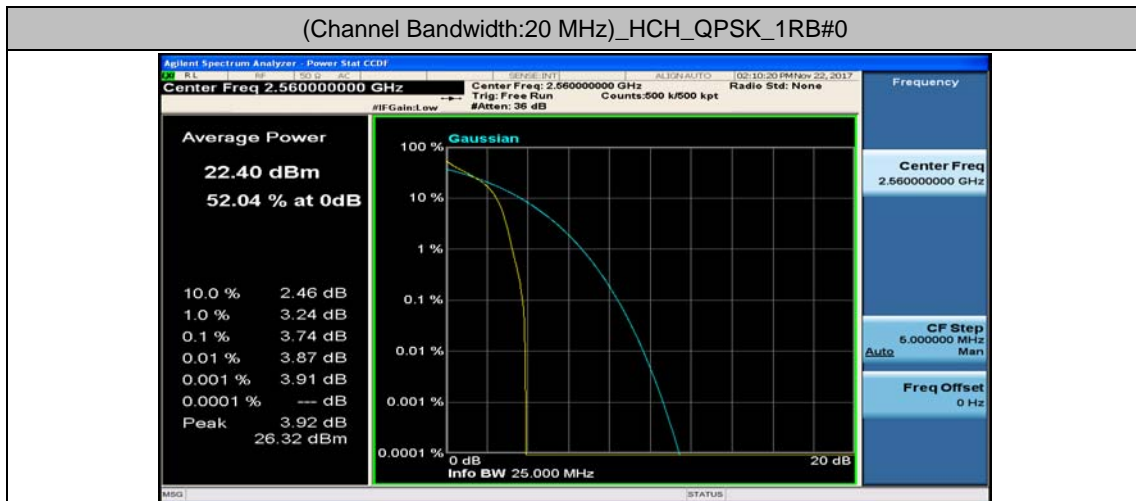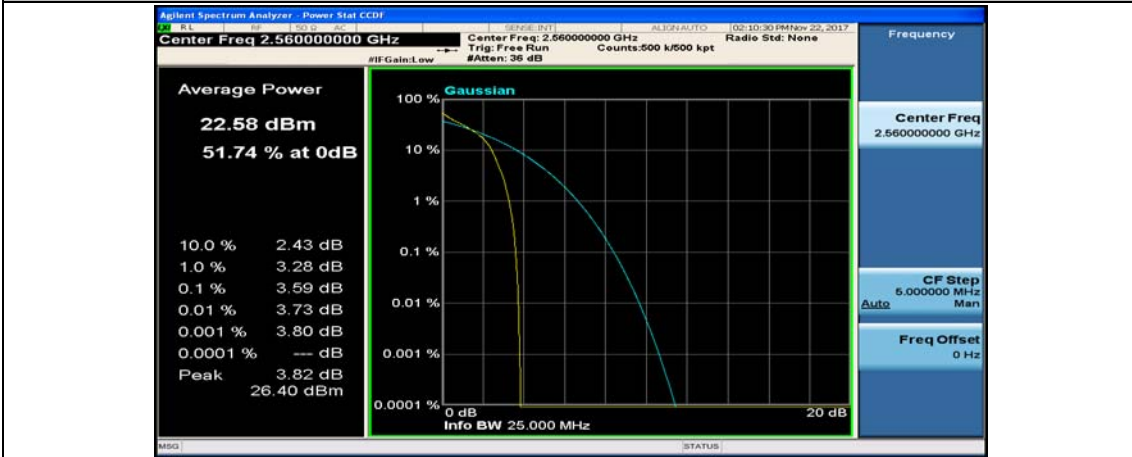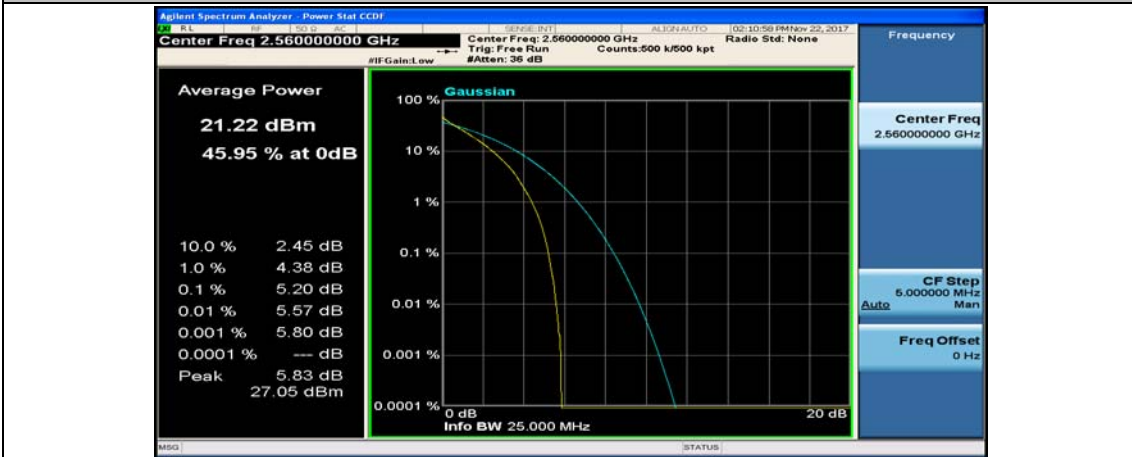

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

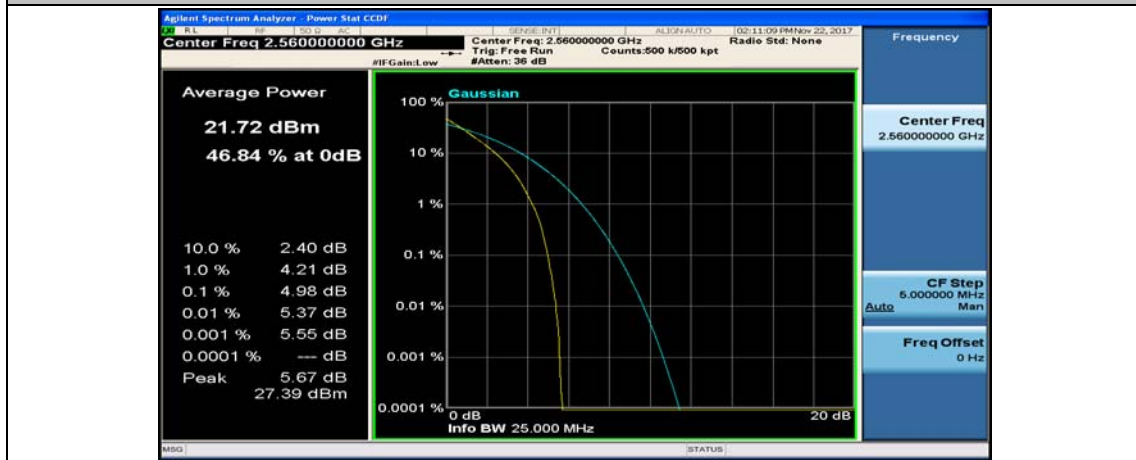(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99
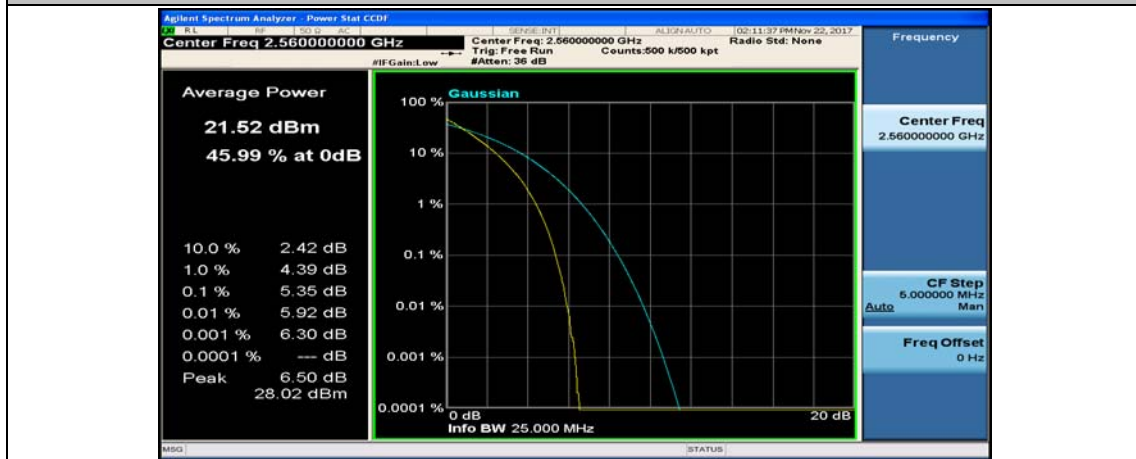

(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#0

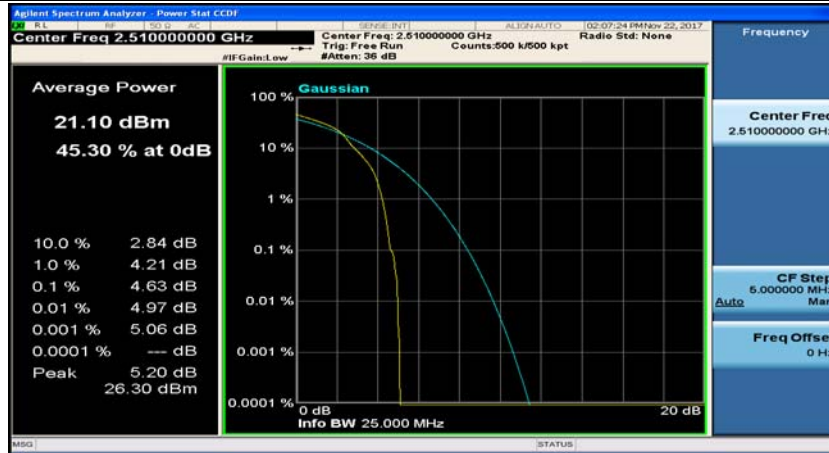(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#25

(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50

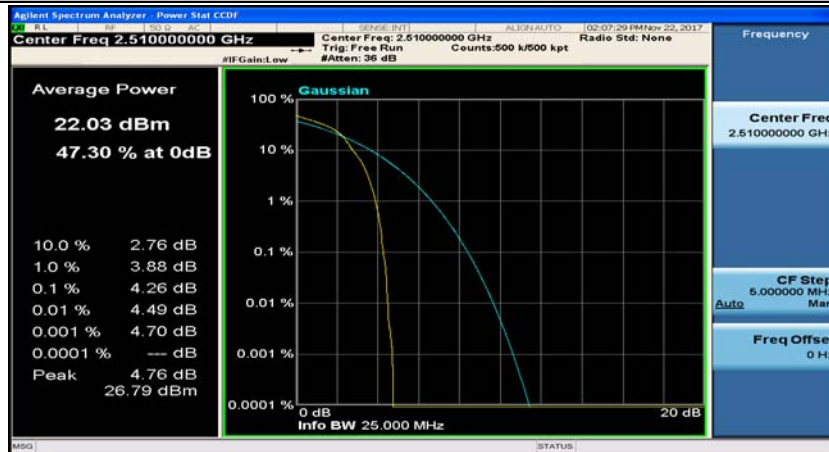(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

Agilent Spectrum Analyzer - Power Stat CCDF
R L RF 50 Ω AC SENSE:INT ALIGN AUTO 02:07:24 PM Nov 22, 2017
Center Freq 2.510000000 GHz Center Freq: 2.510000000 GHz Radio Std: None
Trig: Free Run Counts:500 k/500 kpt
#IFGain:Low #Atten: 36 dB Frequency

Average Power
21.10 dBm
45.30 % at 0dB

Center Freq 2.510000000 GHz

Gaussian 100 % 10 % 1 % 0.1 % 0.01 % 0.001 % 0.0001 %

10.0 %   2.84 dB
1.0 %   4.21 dB
0.1 %   4.63 dB
0.01 %   4.97 dB
0.001 %   5.06 dB
0.0001 % --- dB
Peak   5.20 dB
          26.30 dBm

CF Step 5.000000 MHz
Auto   Man
Freq Offset 0 Hz

0 dB Info BW 25.000 MHz 20 dB
MSG STATUS

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

Agilent Spectrum Analyzer - Power Stat CCDF
R L RF 50 Ω AC SENSE:INT ALIGN AUTO 02:07:29 PM Nov 22, 2017
Center Freq 2.510000000 GHz Center Freq: 2.510000000 GHz Radio Std: None
Trig: Free Run Counts:500 k/500 kpt
#IFGain:Low #Atten: 36 dB Frequency

Average Power
22.03 dBm
47.30 % at 0dB

Center Freq 2.510000000 GHz

Gaussian 100 % 10 % 1 % 0.1 % 0.01 % 0.001 % 0.0001 %

10.0 %   2.76 dB
1.0 %   3.88 dB
0.1 %   4.26 dB
0.01 %   4.49 dB
0.001 %   4.70 dB
0.0001 % --- dB
Peak   4.76 dB
          26.79 dBm

CF Step 5.000000 MHz
Auto   Man
Freq Offset 0 Hz

0 dB Info BW 25.000 MHz 20 dB
MSG STATUS

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99

Agilent Spectrum Analyzer - Power Stat CCDF
R L RF 50 Ω AC SENSE:INT ALIGN AUTO 02:07:34 PM Nov 22, 2017
Center Freq 2.510000000 GHz Center Freq: 2.510000000 GHz Radio Std: None
Trig: Free Run Counts:500 k/500 kpt
#IFGain:Low #Atten: 36 dB Frequency

Average Power
22.82 dBm
48.53 % at 0dB

Center Freq 2.510000000 GHz

Gaussian 100 % 10 % 1 % 0.1 % 0.01 % 0.001 % 0.0001 %

10.0 %   2.74 dB
1.0 %   3.82 dB
0.1 %   4.21 dB
0.01 %   4.31 dB
0.001 %   4.37 dB
0.0001 % --- dB
Peak   4.41 dB
          27.23 dBm

CF Step 5.000000 MHz
Auto   Man
Freq Offset 0 Hz

0 dB Info BW 25.000 MHz 20 dB
MSG STATUS

(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#0

(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#25

(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#50

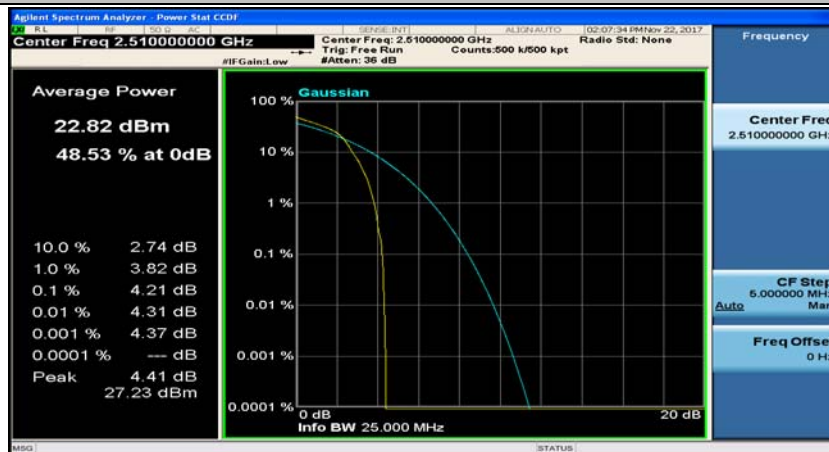(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0

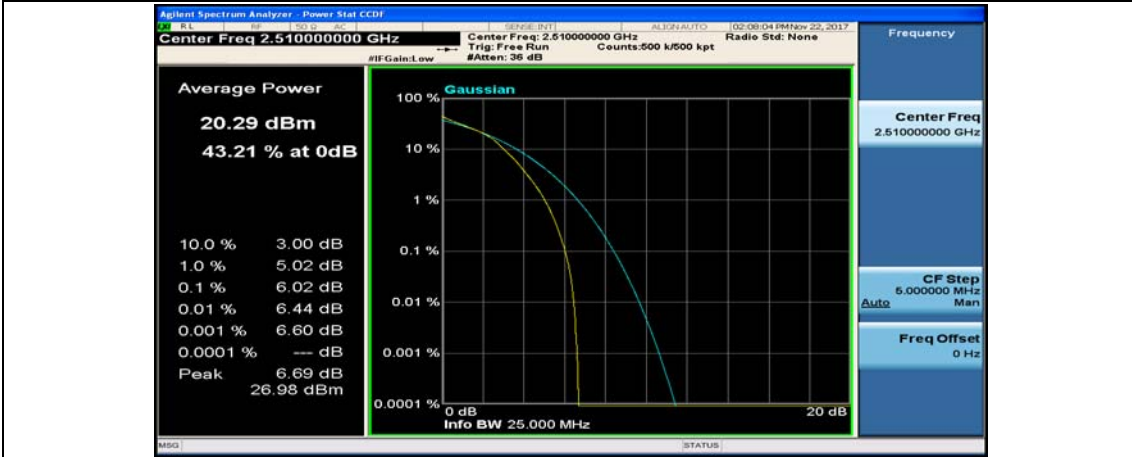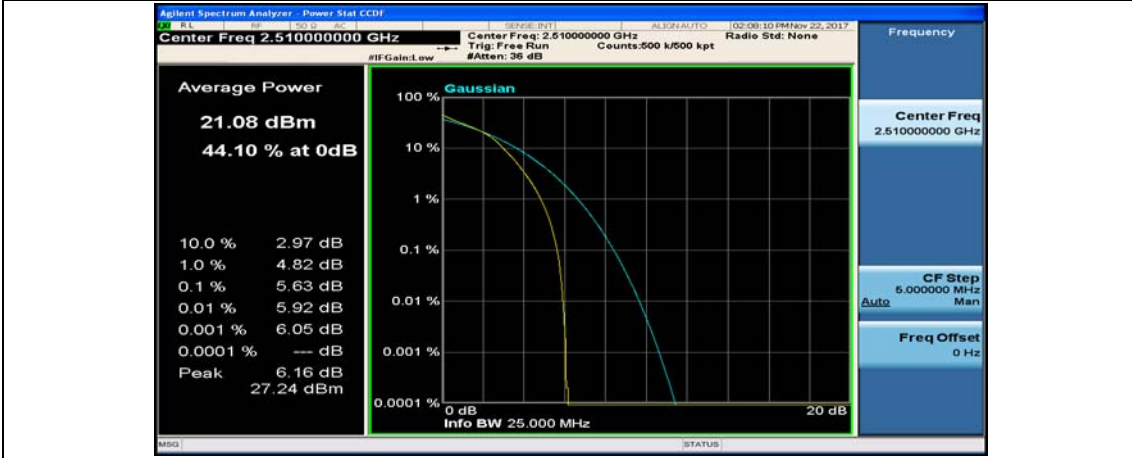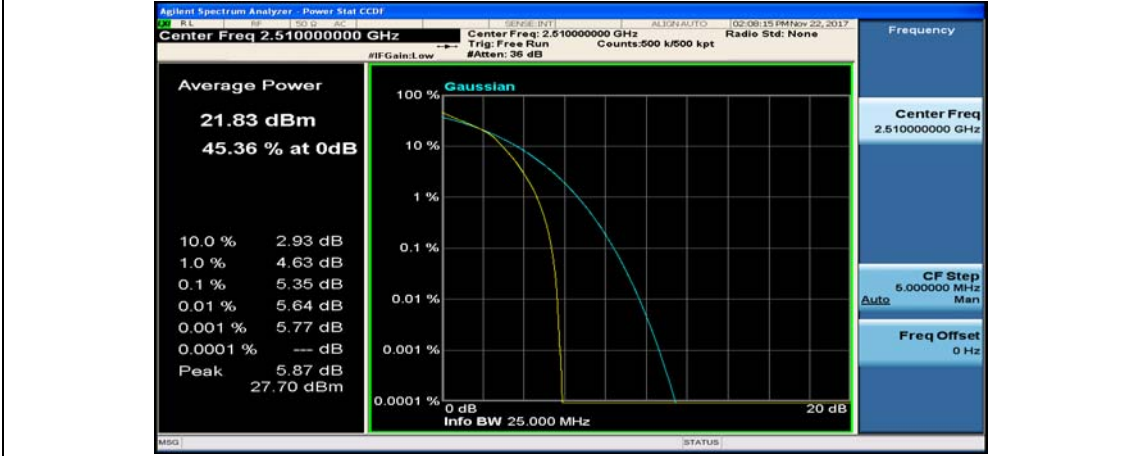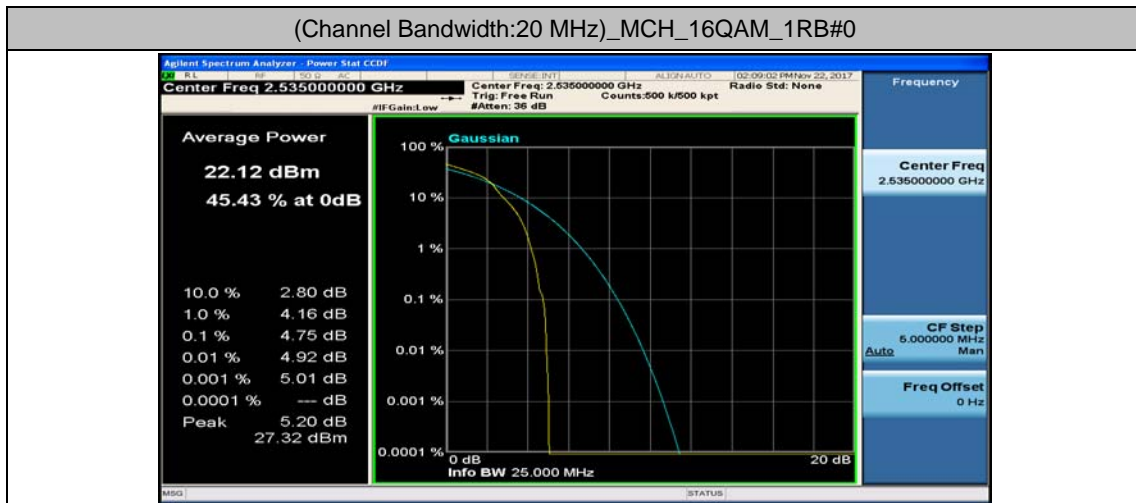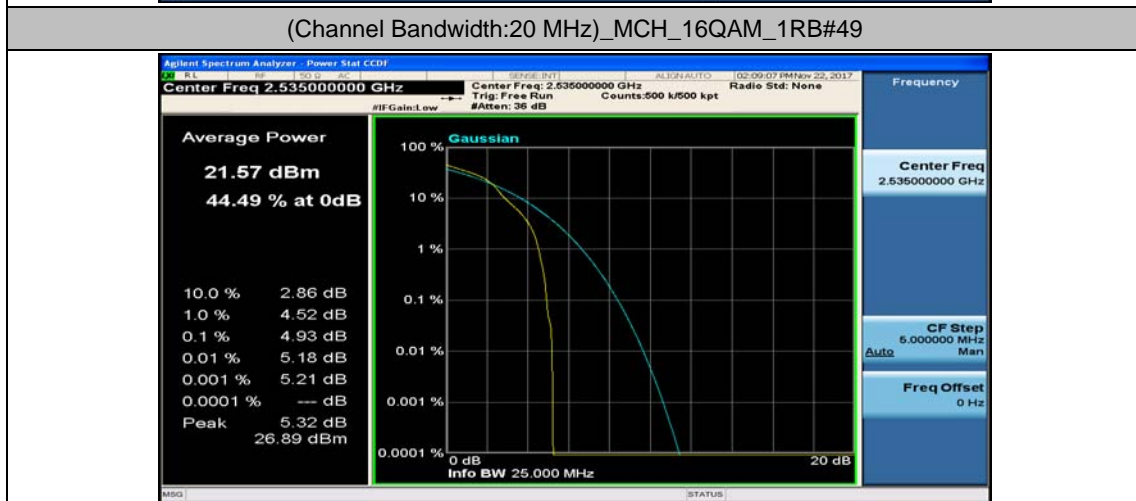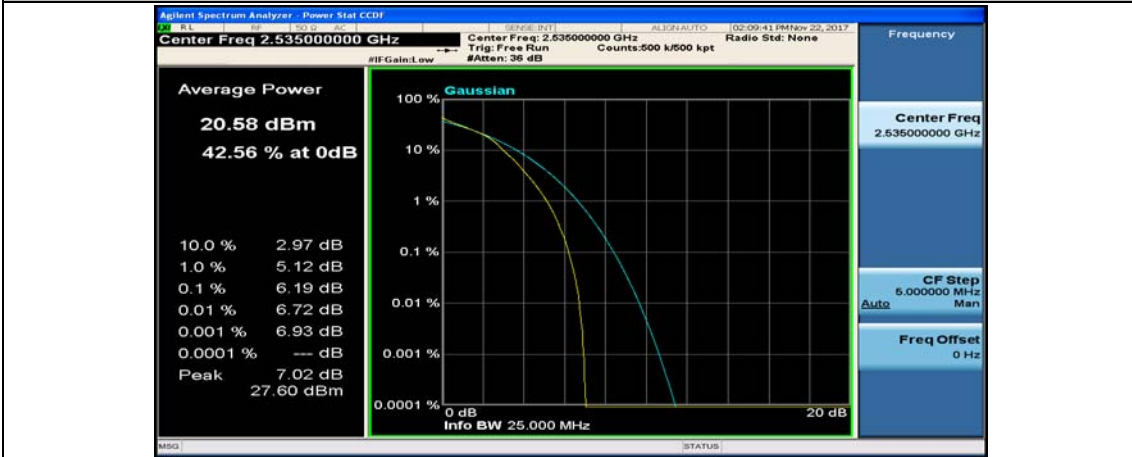(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

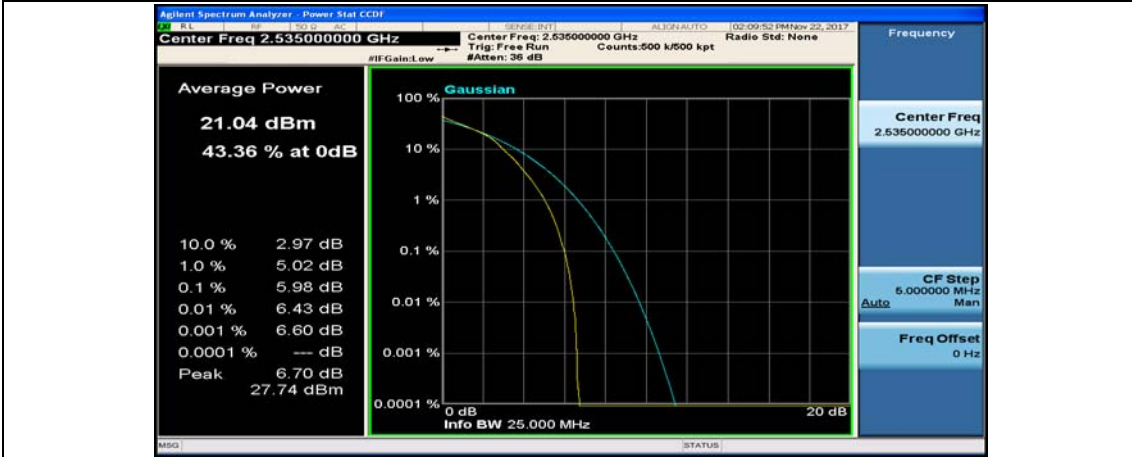(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99

(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#0

(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#25

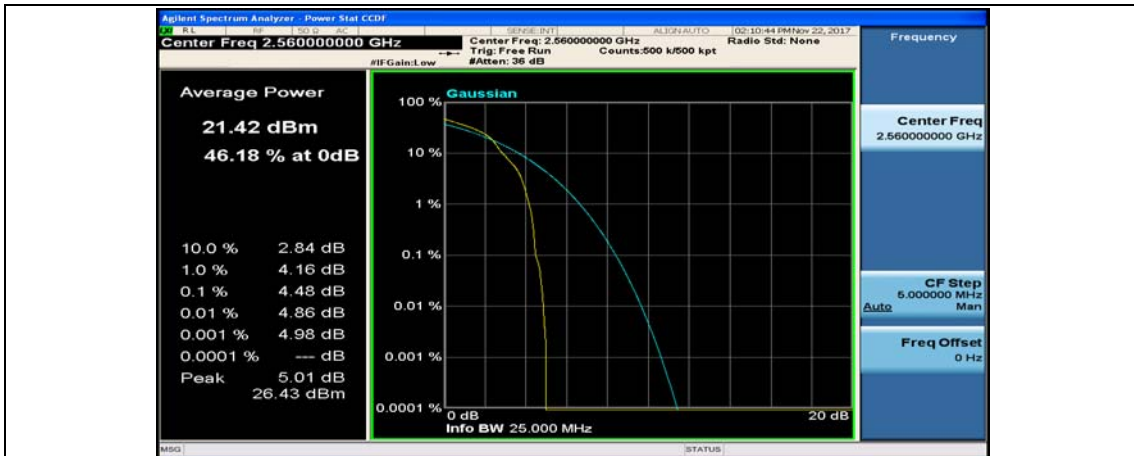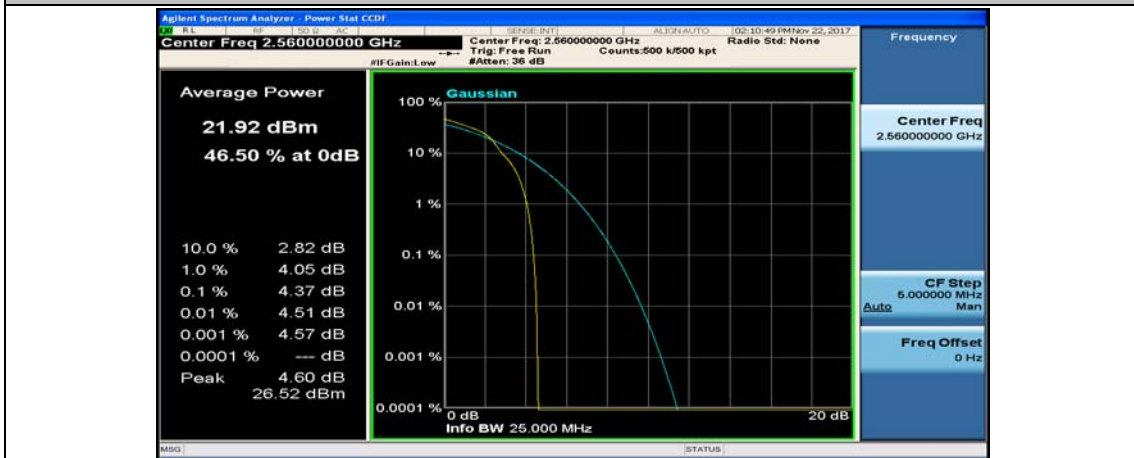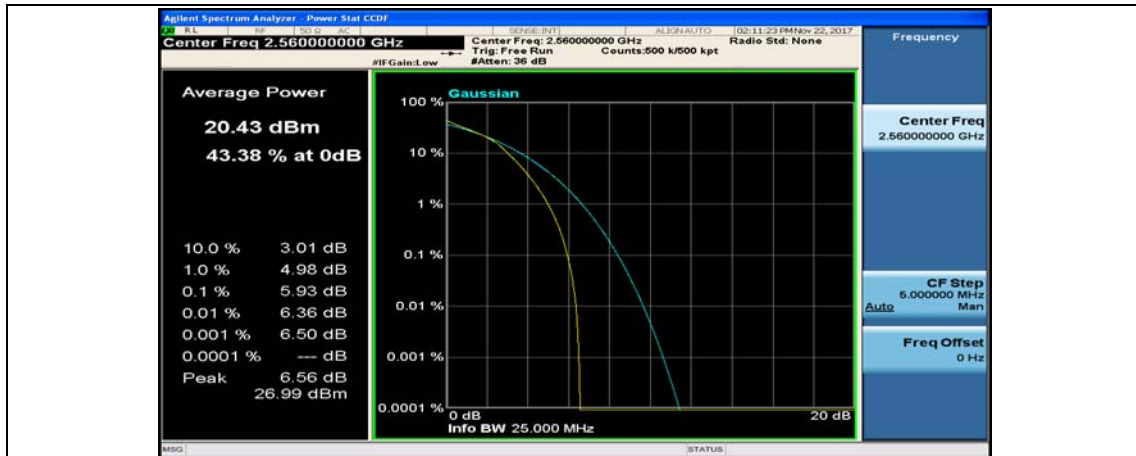(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#50

(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99

(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0

(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25

(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50

(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

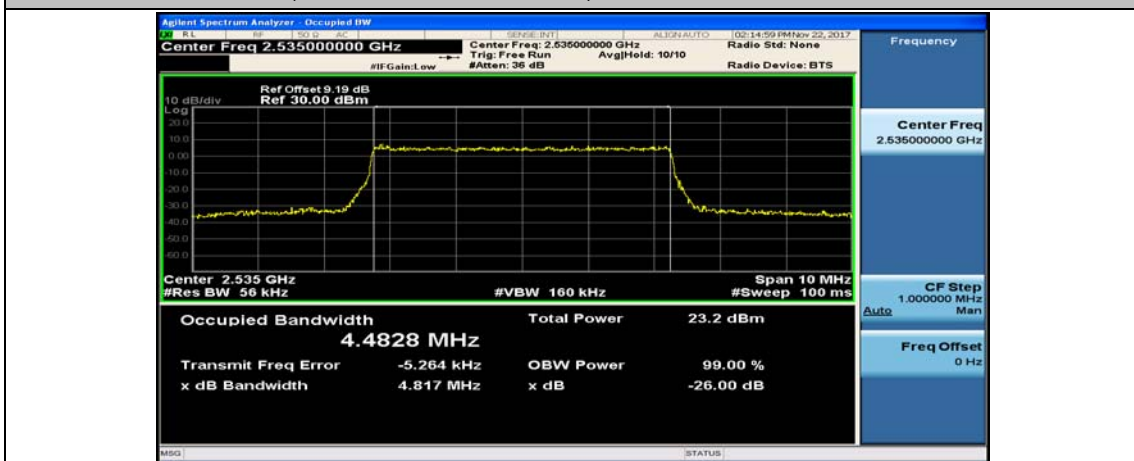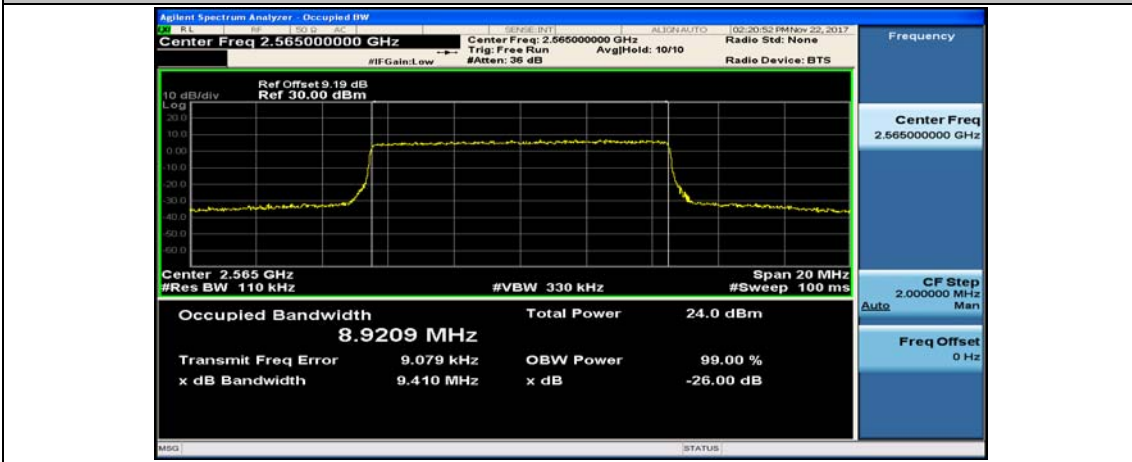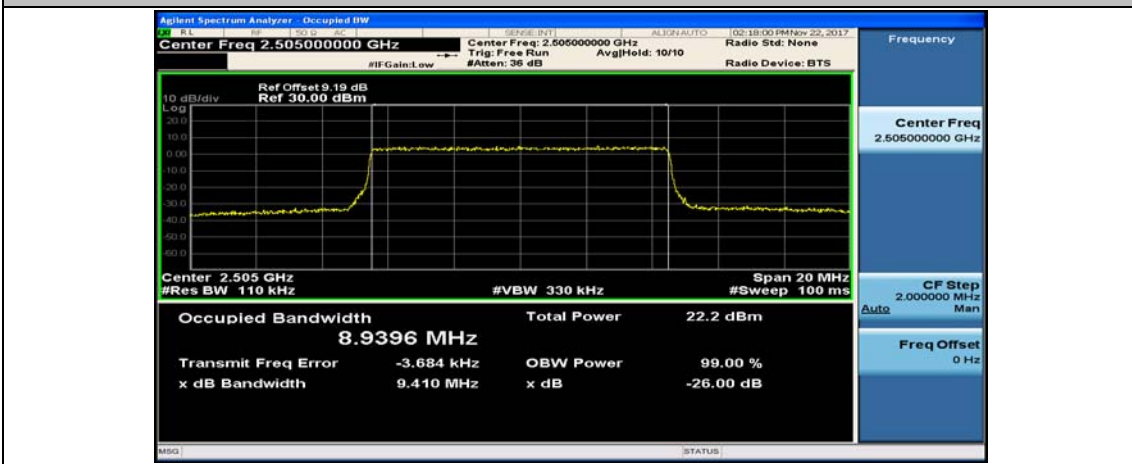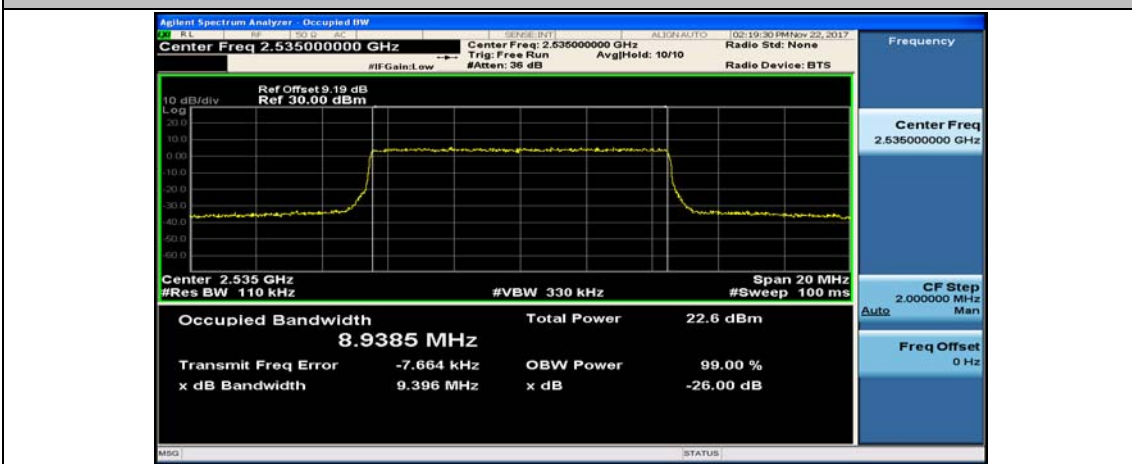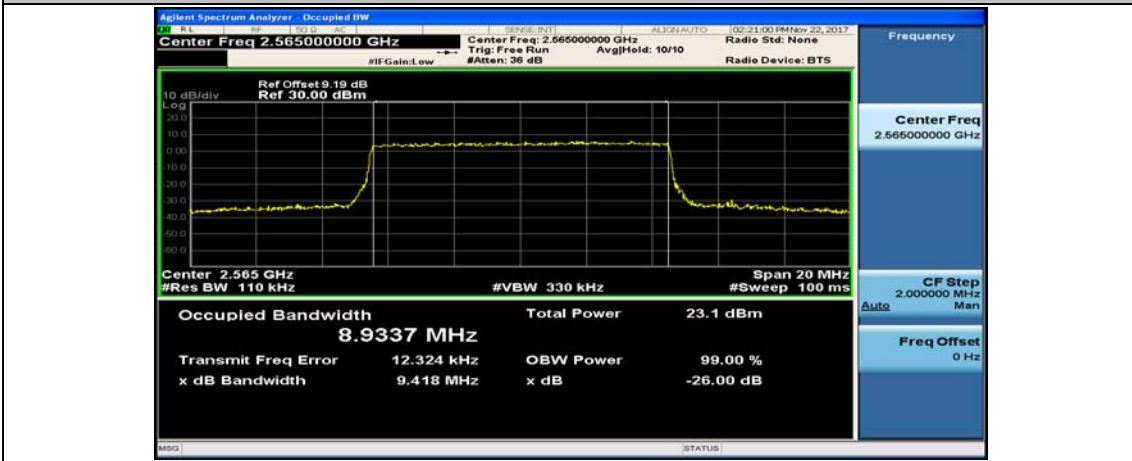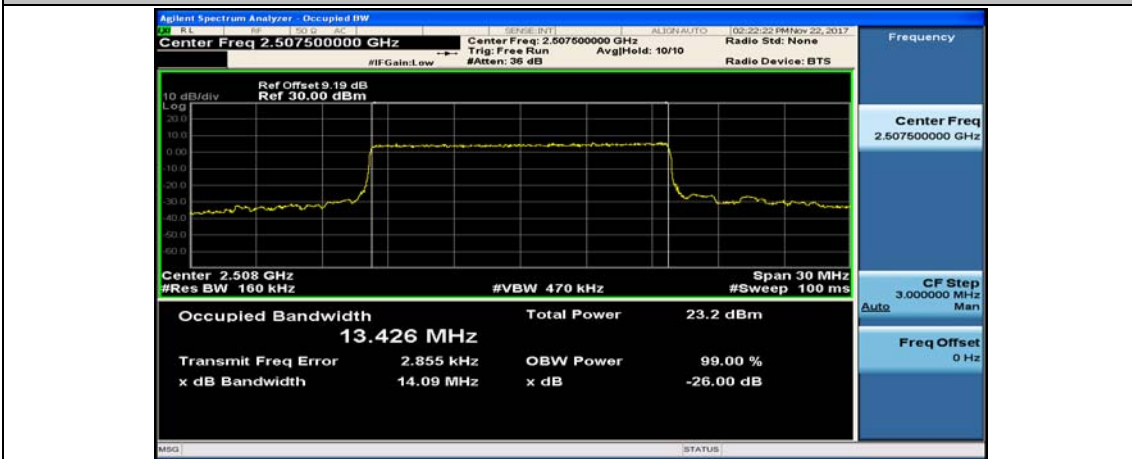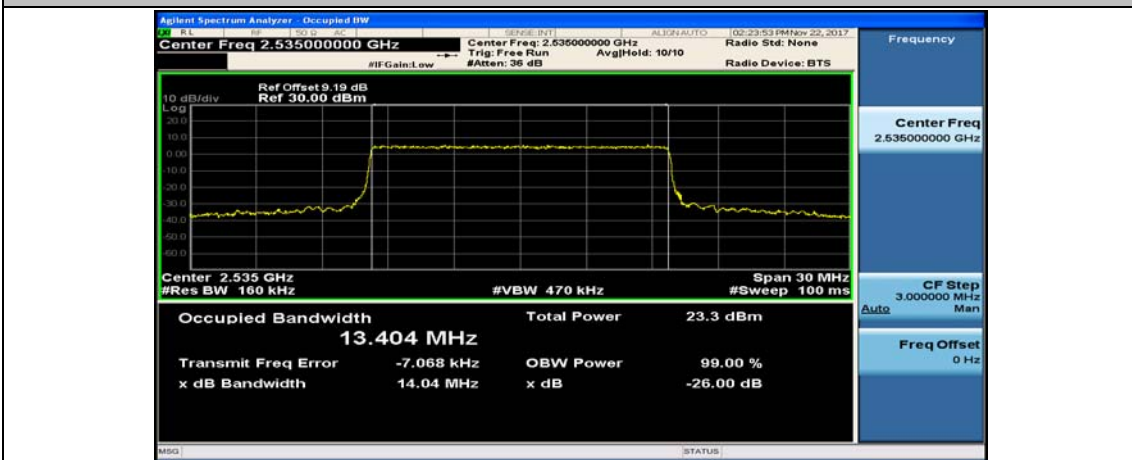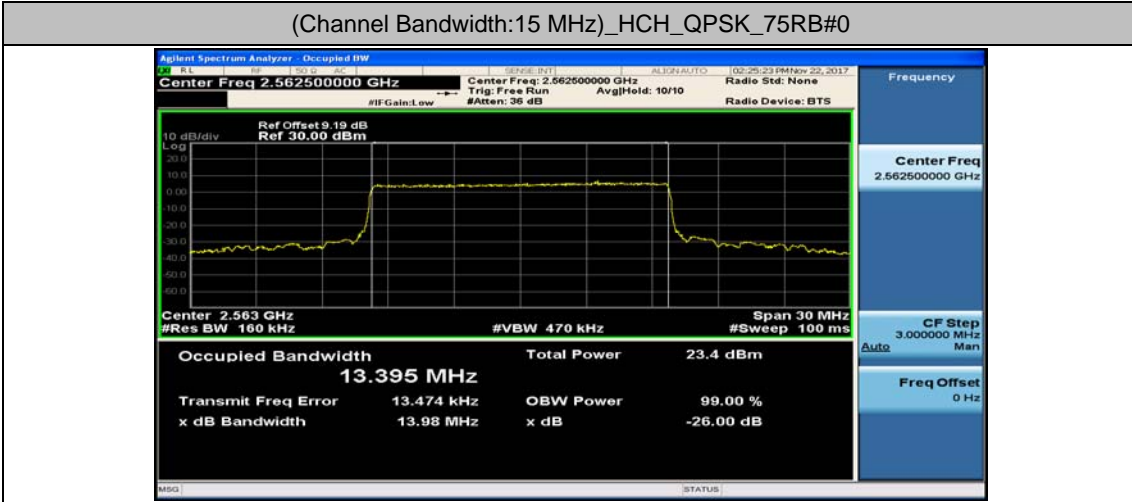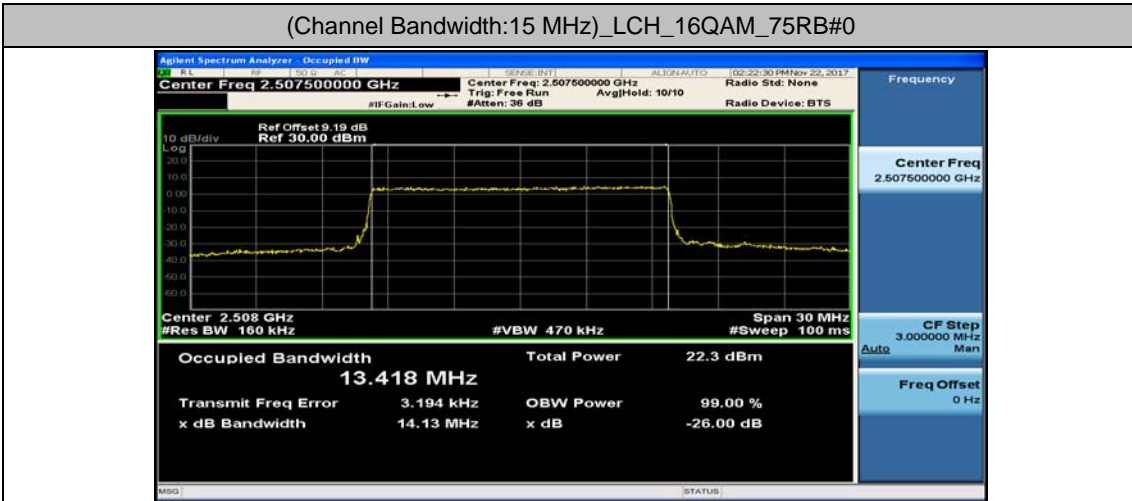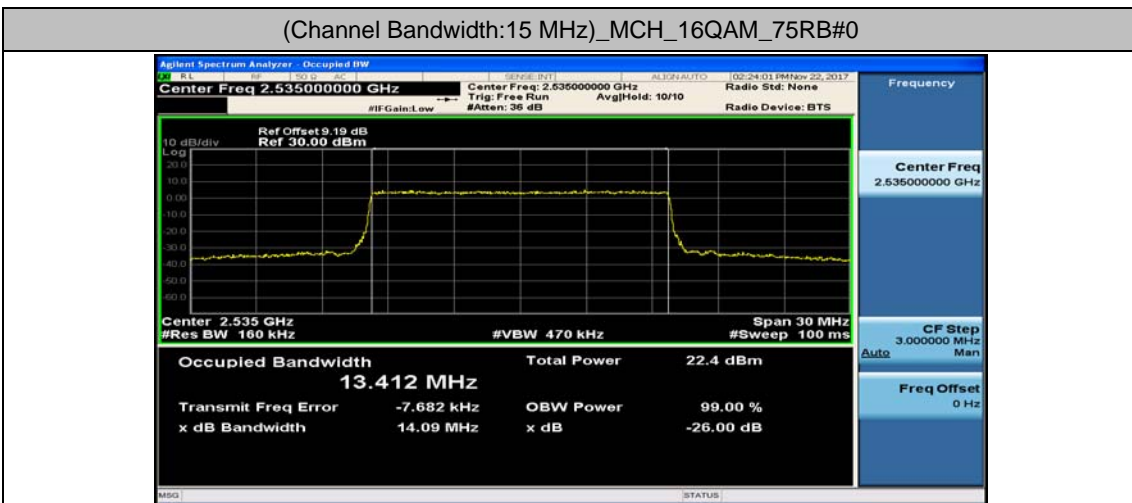**Channel Bandwidth: 5 MHz**

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	25	0	4.4793	4.828	PASS
	MCH	25	0	4.4769	4.836	PASS
	HCH	25	0	4.4831	4.842	PASS
16QAM	LCH	25	0	4.4769	4.871	PASS
	MCH	25	0	4.4828	4.817	PASS
	HCH	25	0	4.4877	4.833	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	8.9435	9.464	PASS
	MCH	50	0	8.9347	9.481	PASS
	HCH	50	0	8.9209	9.410	PASS
16QAM	LCH	50	0	8.9396	9.410	PASS
	MCH	50	0	8.9385	9.396	PASS
	HCH	50	0	8.9337	9.418	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	75	0	13.426	14.09	PASS
	MCH	75	0	13.404	14.04	PASS
	HCH	75	0	13.395	13.98	PASS
16QAM	LCH	75	0	13.418	14.13	PASS
	MCH	75	0	13.412	14.09	PASS
	HCH	75	0	13.395	14.06	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict
		Size	Offset	(MHz)	(MHz)	
QPSK	LCH	100	0	17.865	18.63	PASS
	MCH	100	0	17.855	18.60	PASS
	HCH	100	0	17.891	18.57	PASS
16QAM	LCH	100	0	17.850	18.57	PASS
	MCH	100	0	17.870	18.63	PASS
	HCH	100	0	17.862	18.62	PASS

Test Graphs

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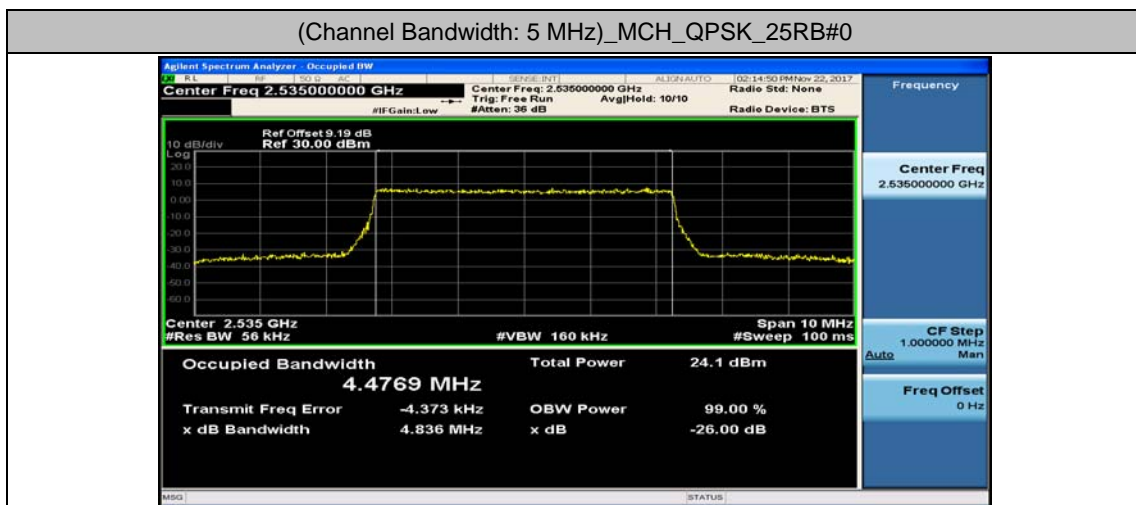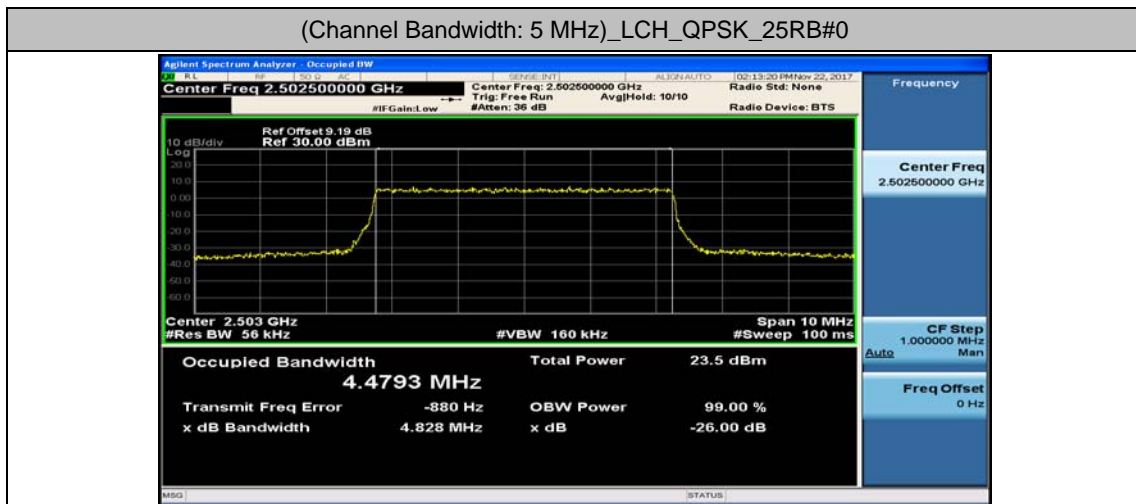
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0
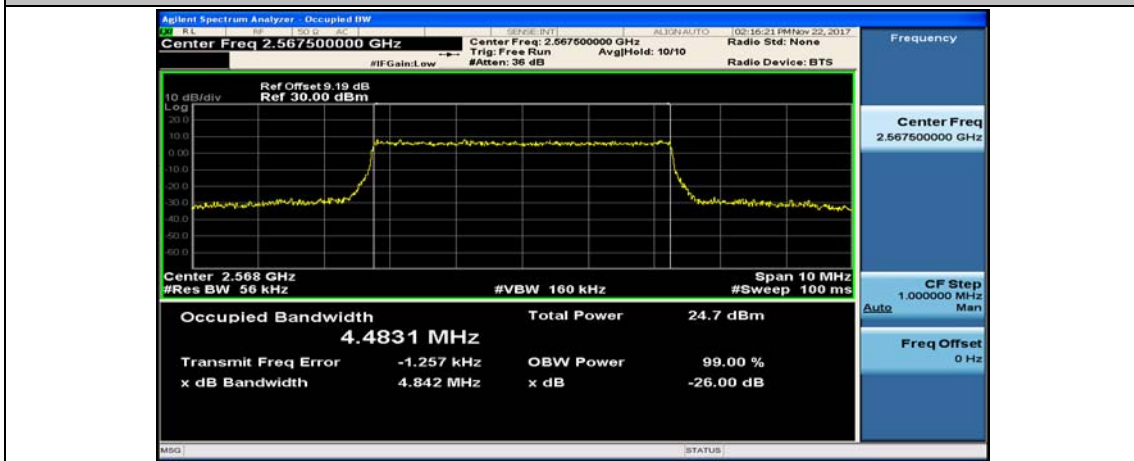
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0
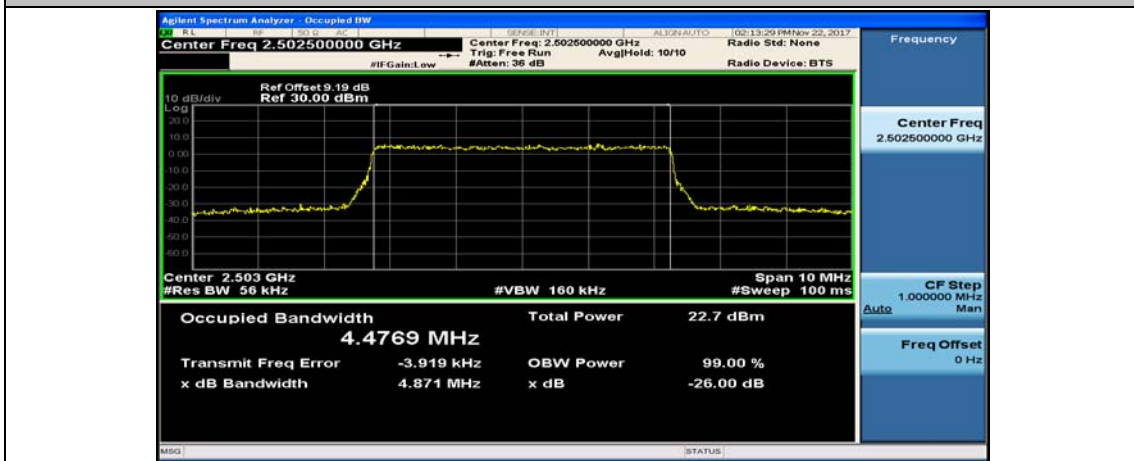
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(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

Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0
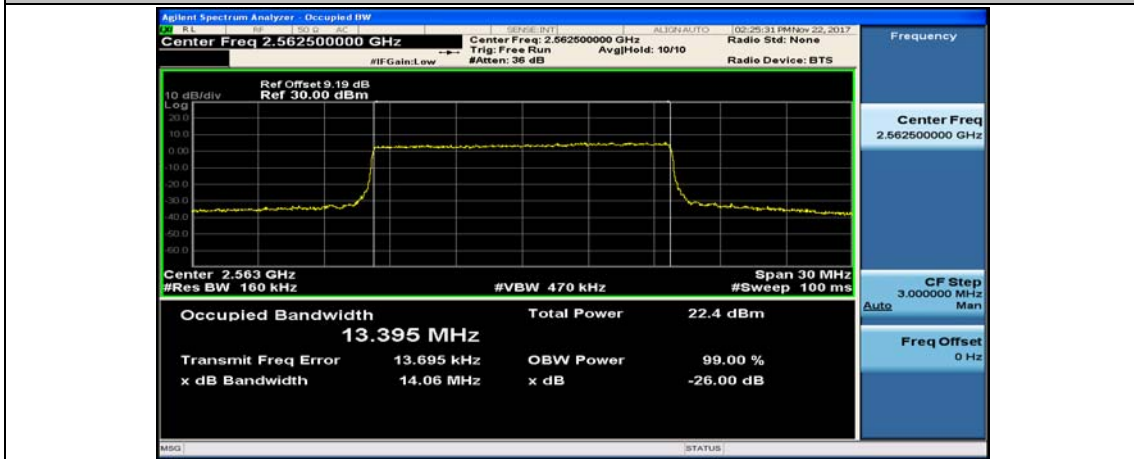
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0
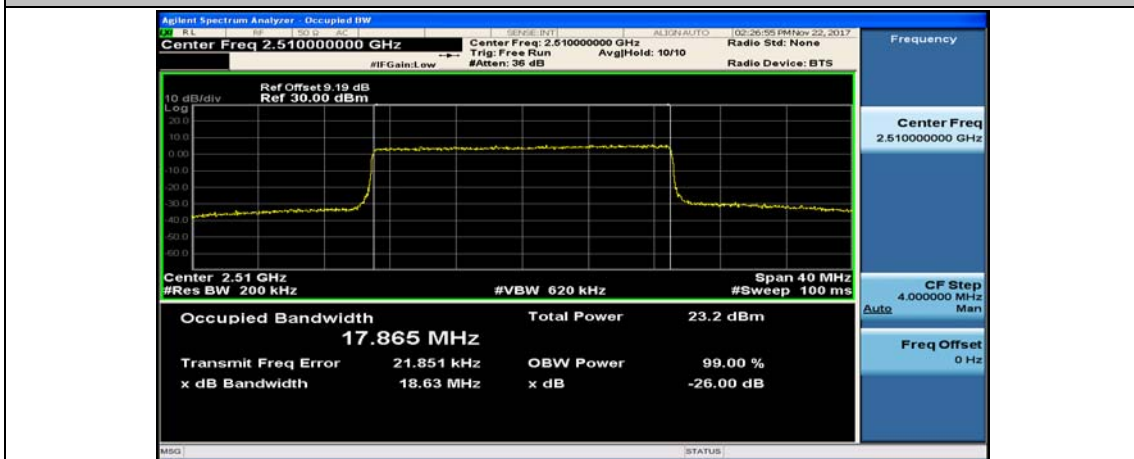
(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0
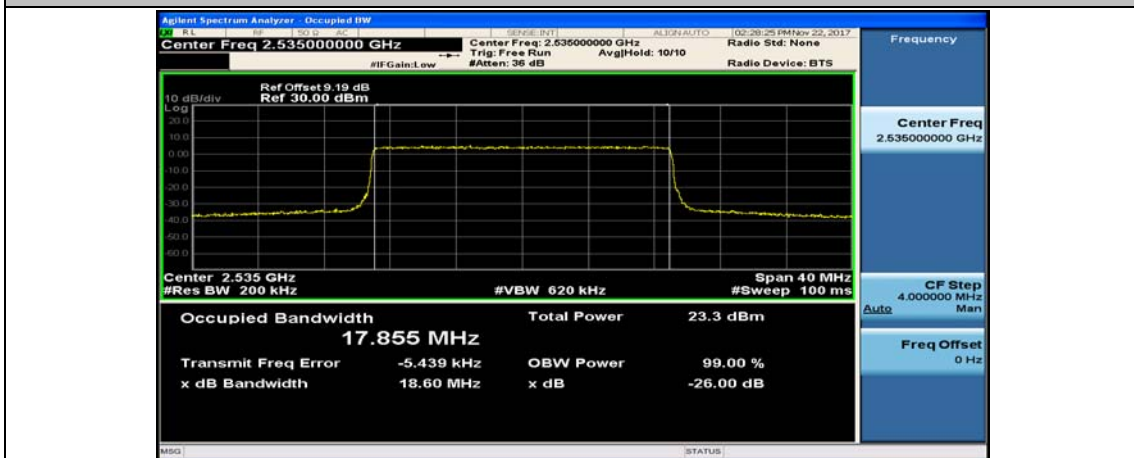
(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0
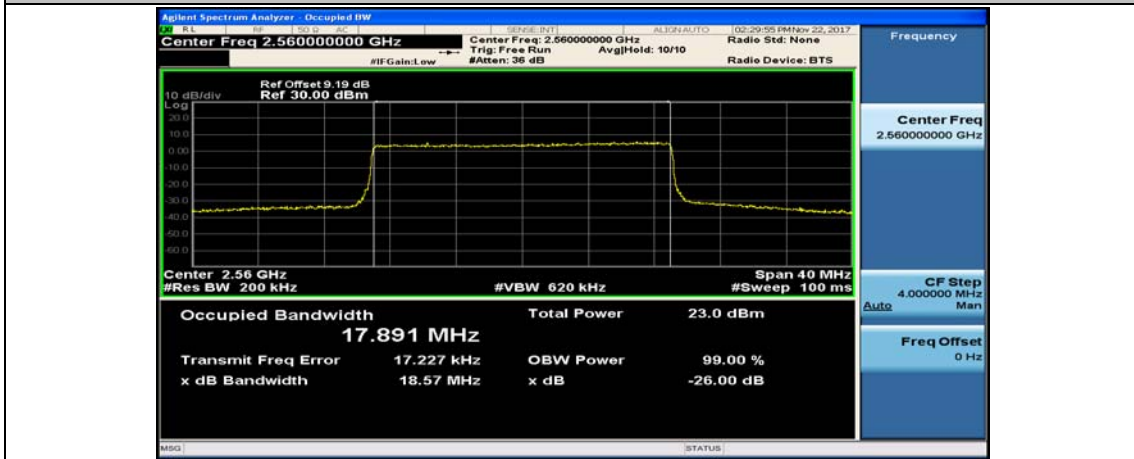
(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0
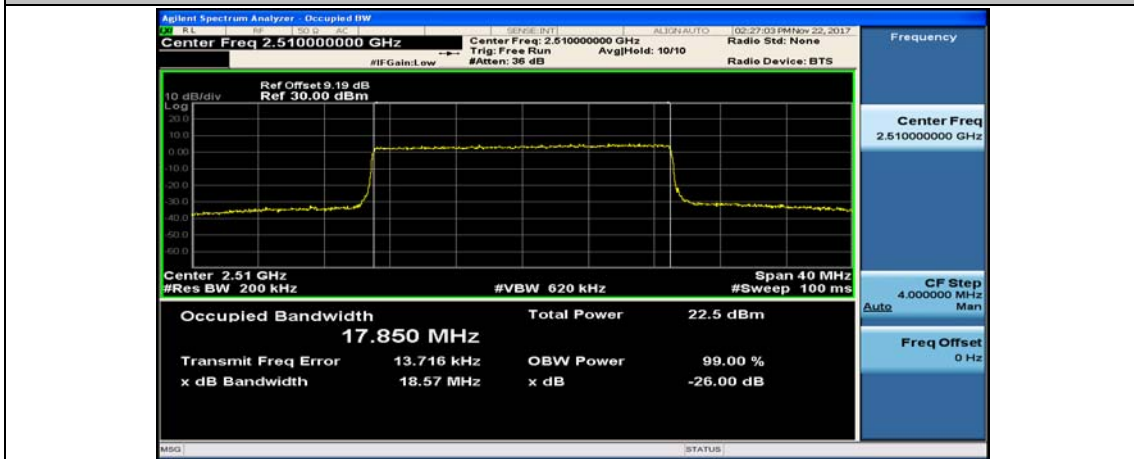
(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0
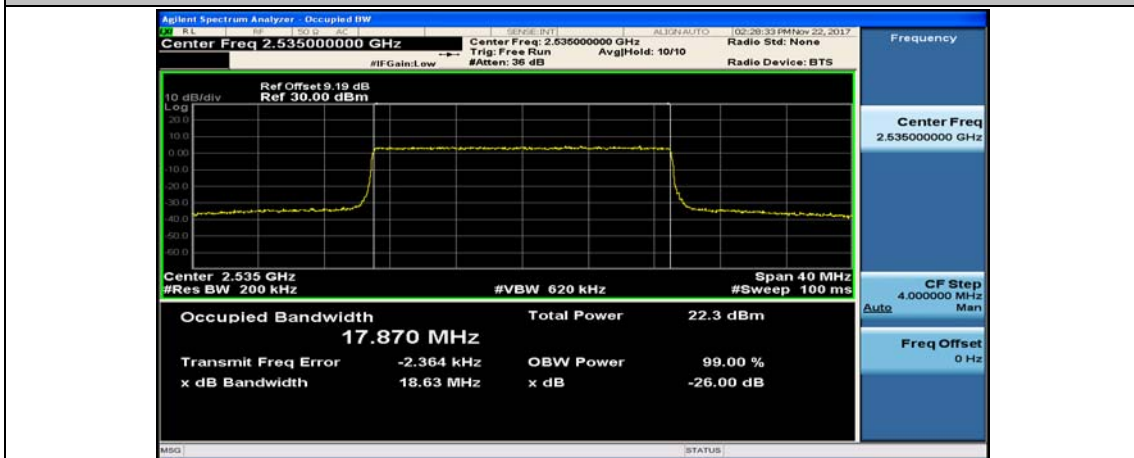
(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0
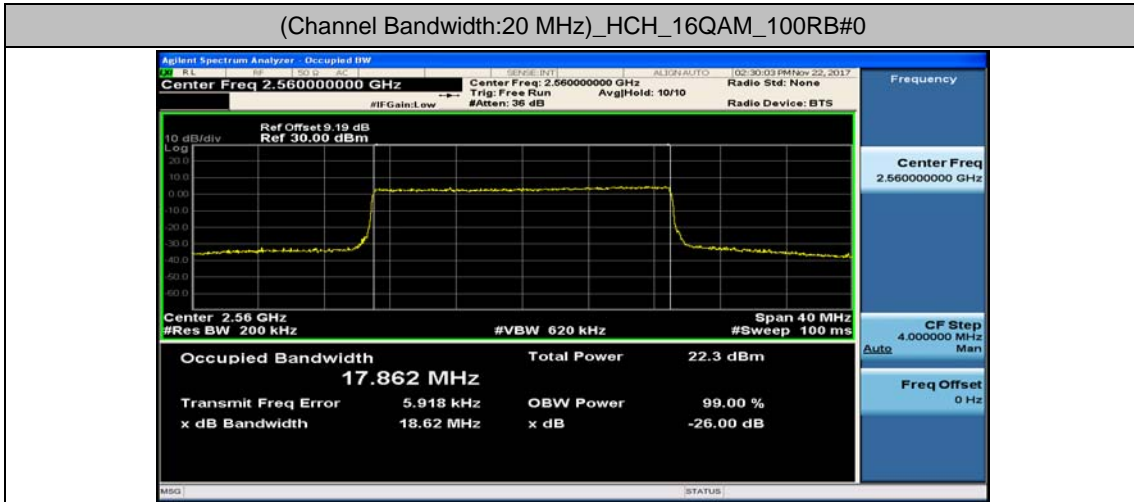
Appendix D: Band Edge

Test Graphs

Channel Bandwidth: 5 MHz

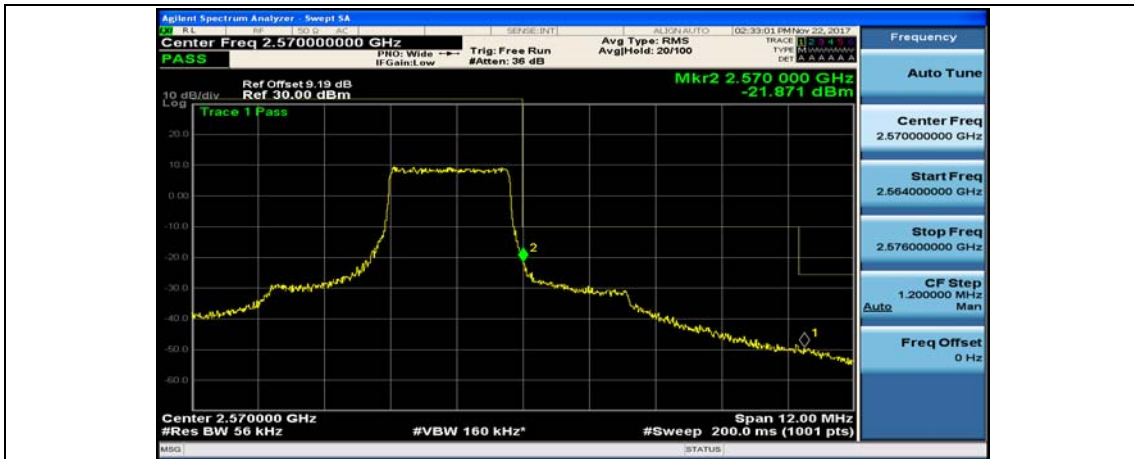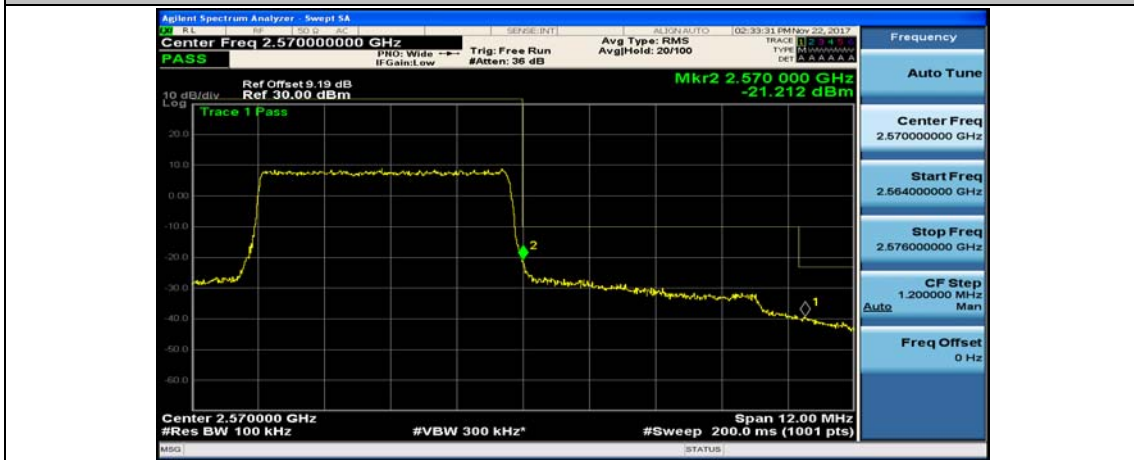| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0 |
|---|
| |
| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12 |
| |
| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24 |
| |
| (Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0 |
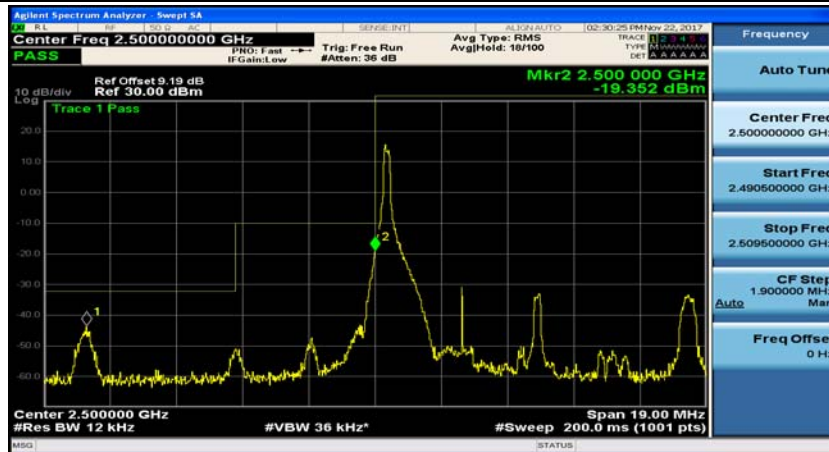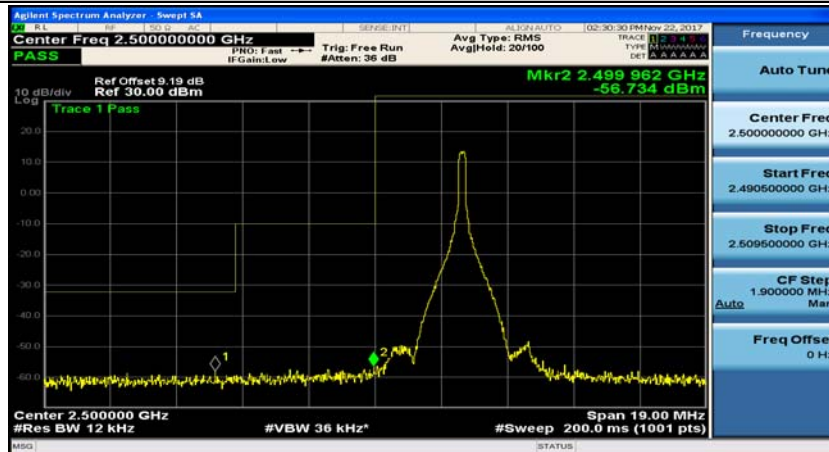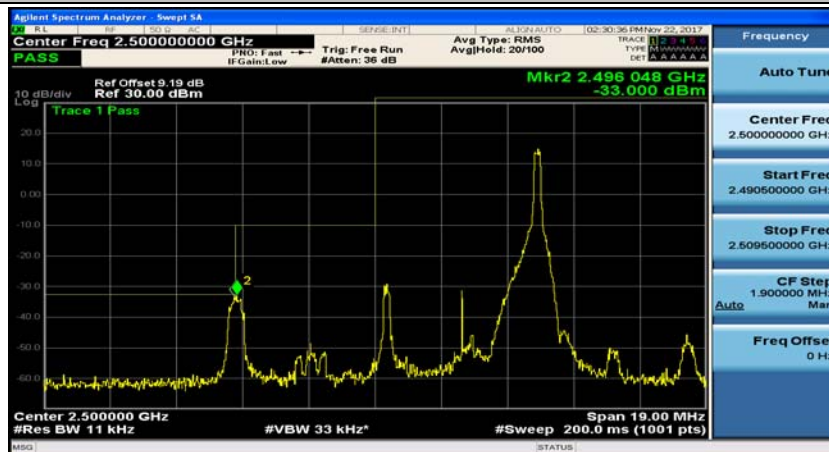
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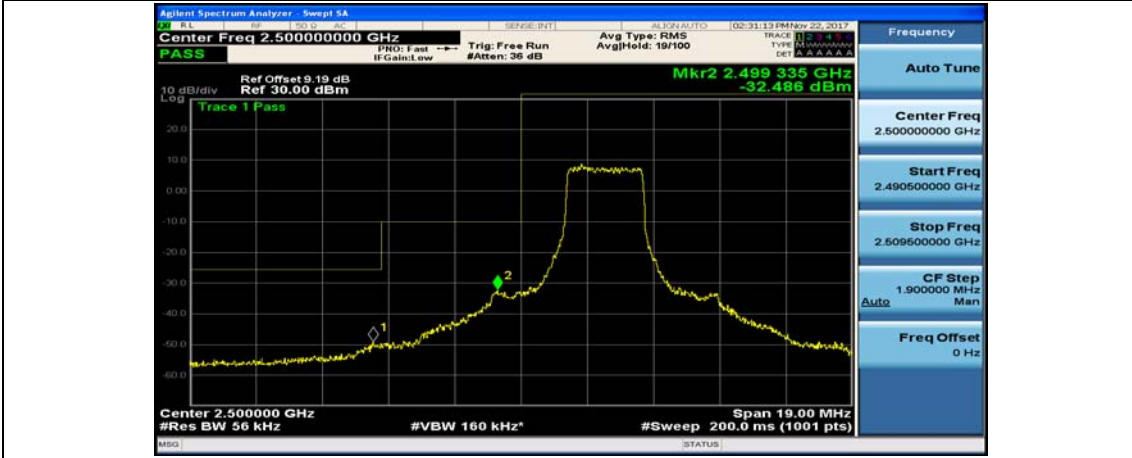
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0
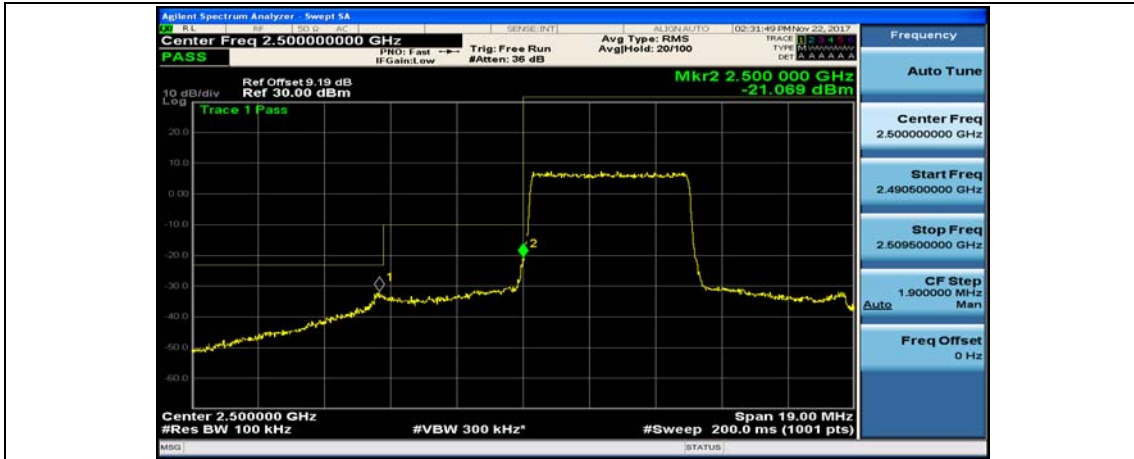
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0
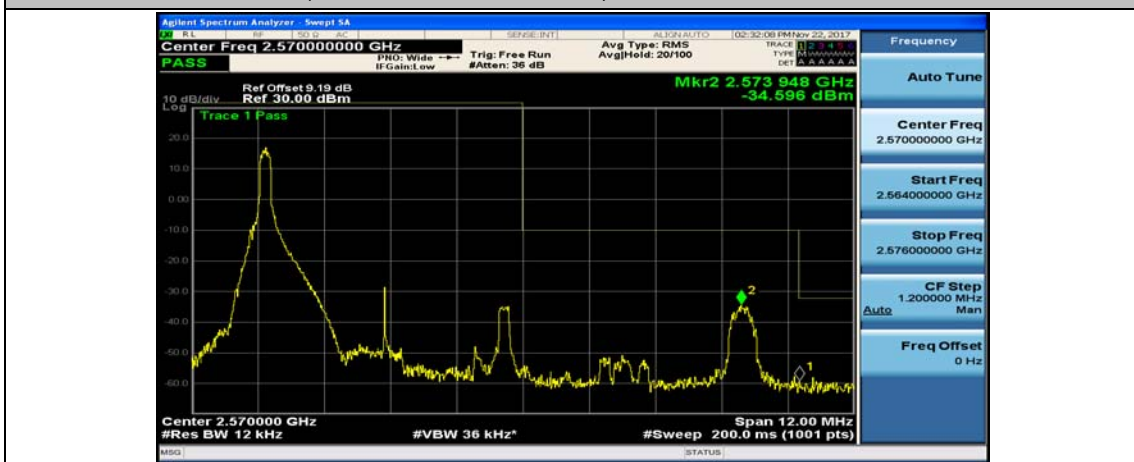
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24
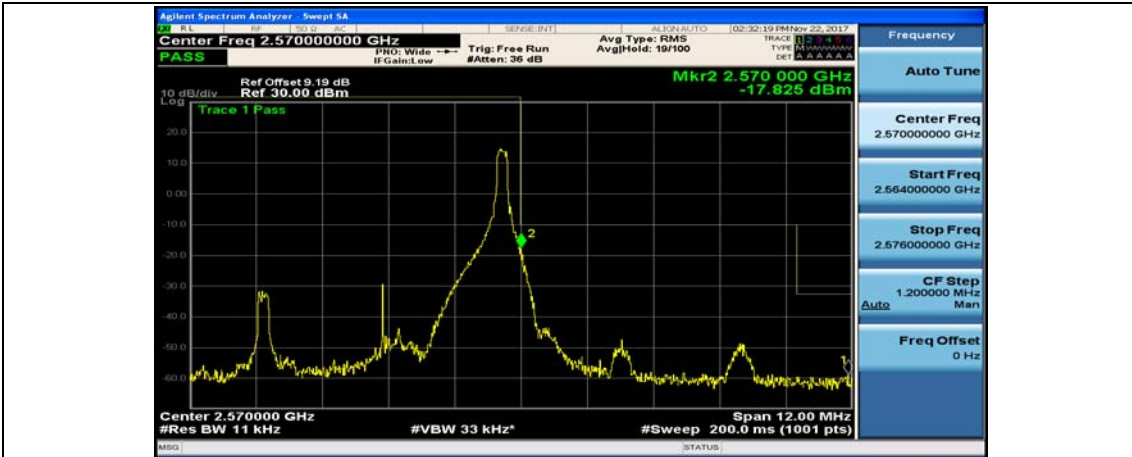
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0
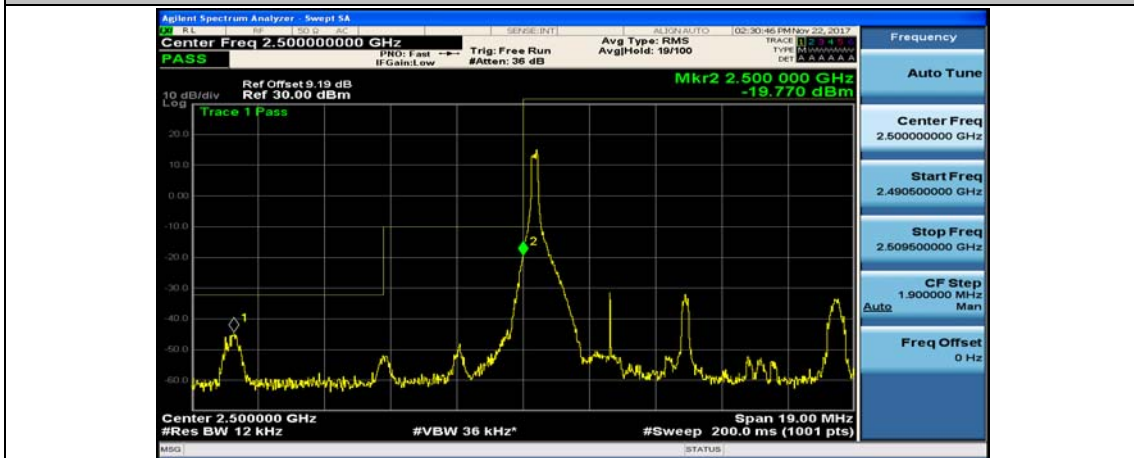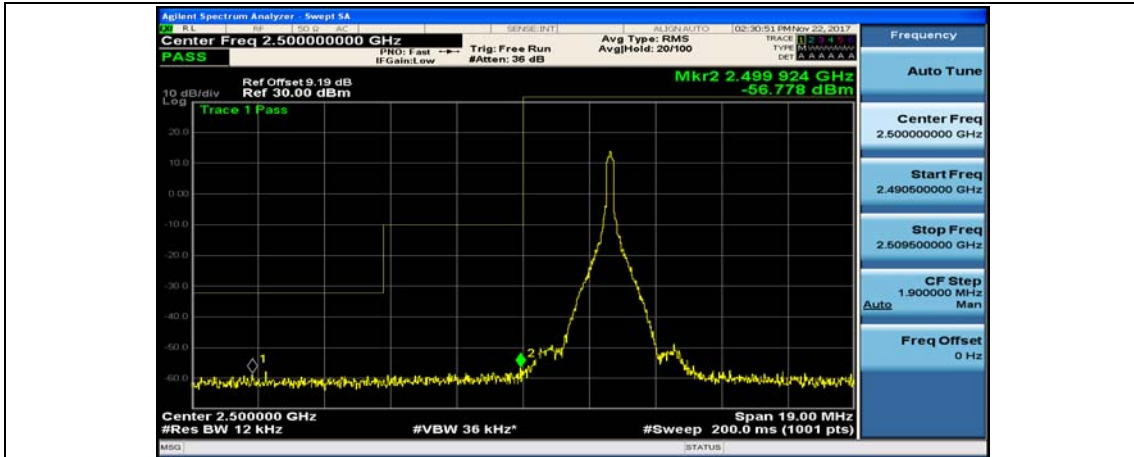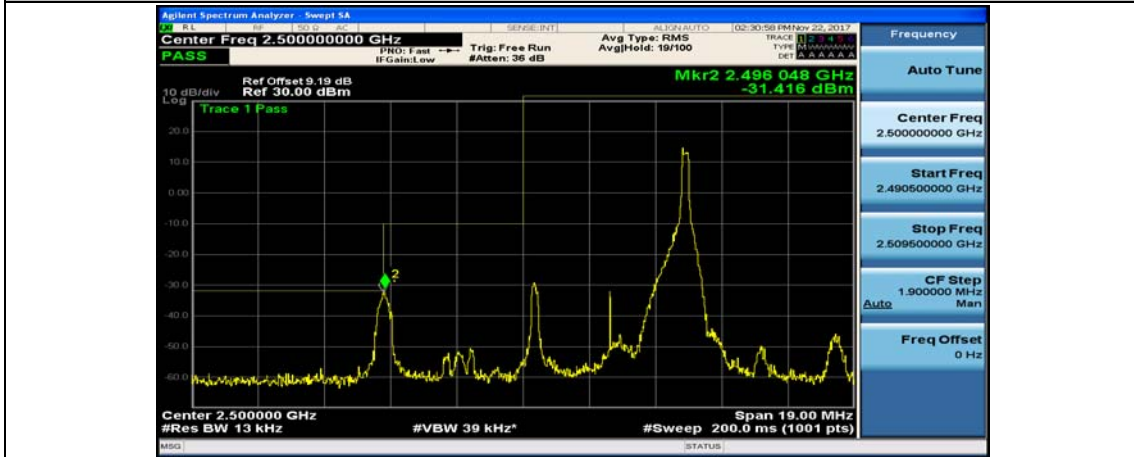

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

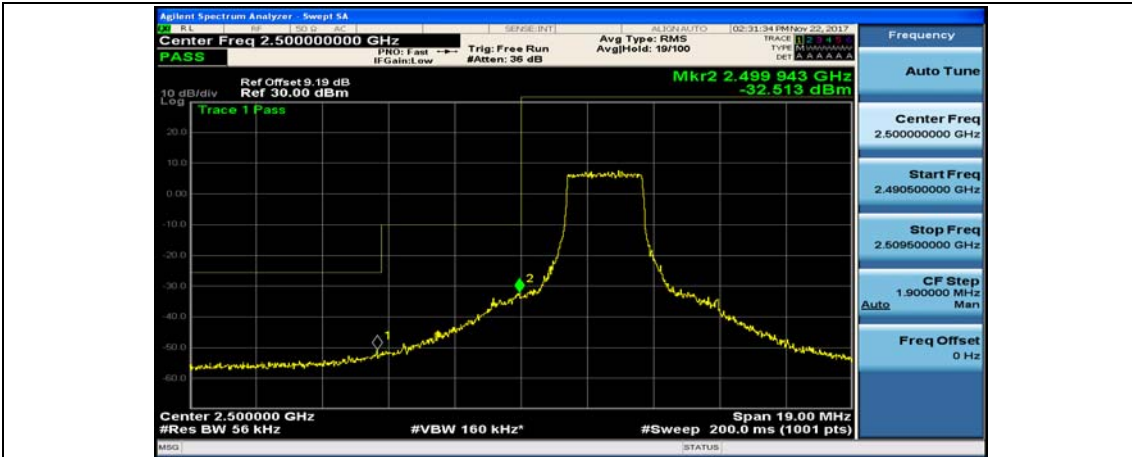(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

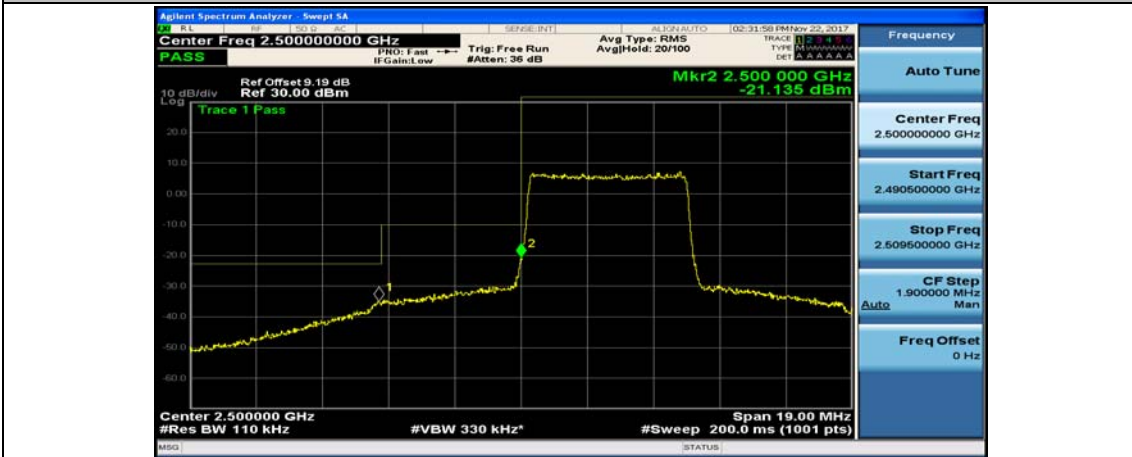(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

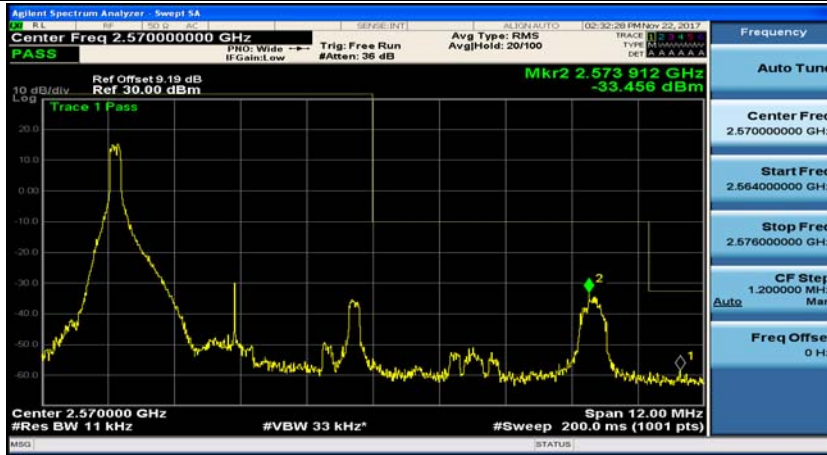(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(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
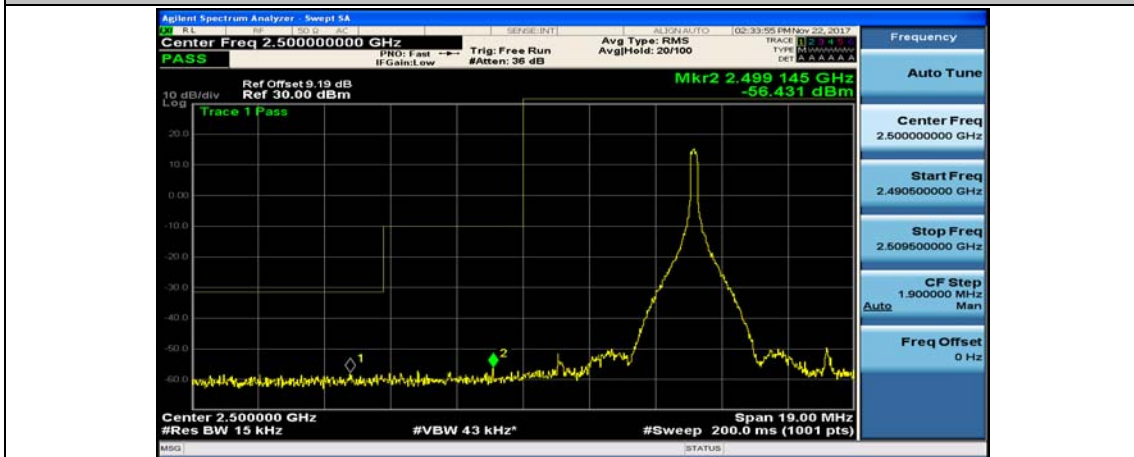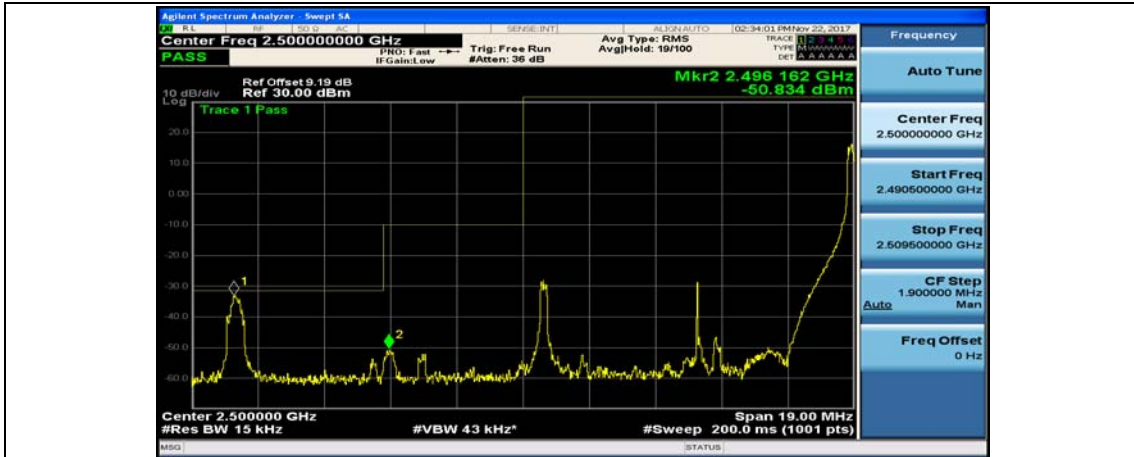

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0
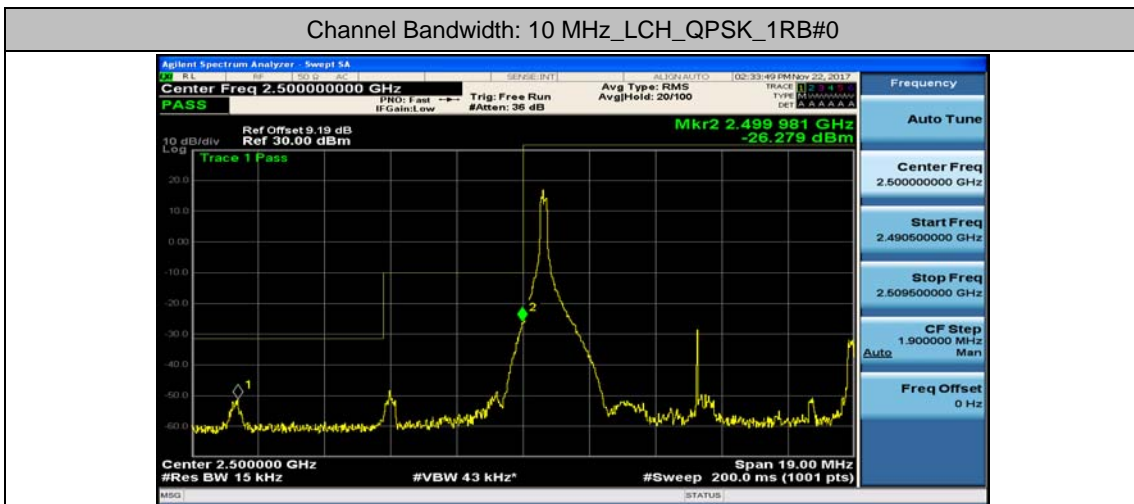
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

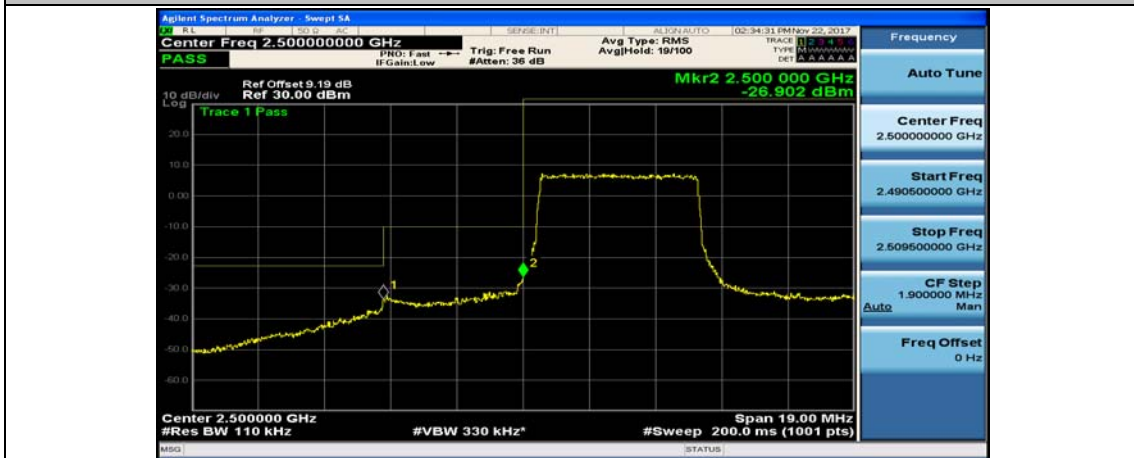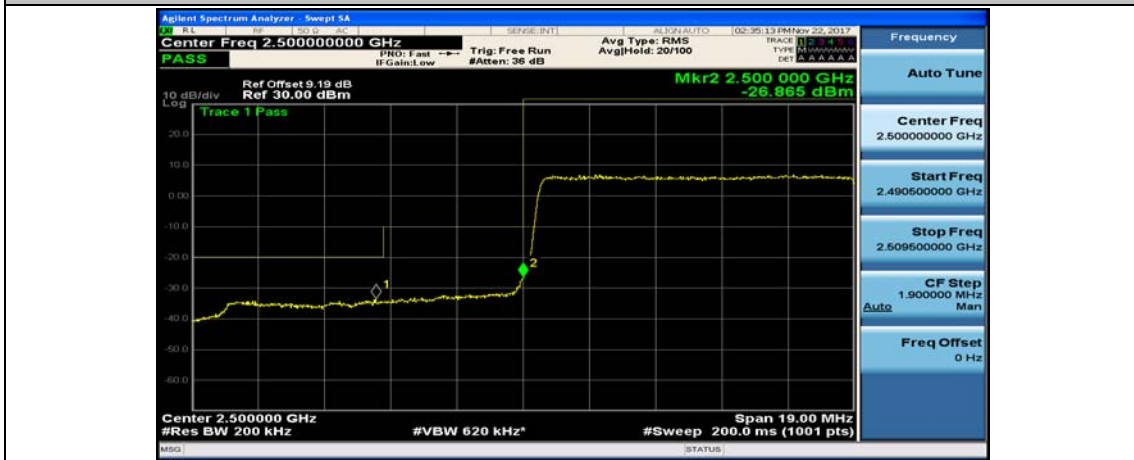Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

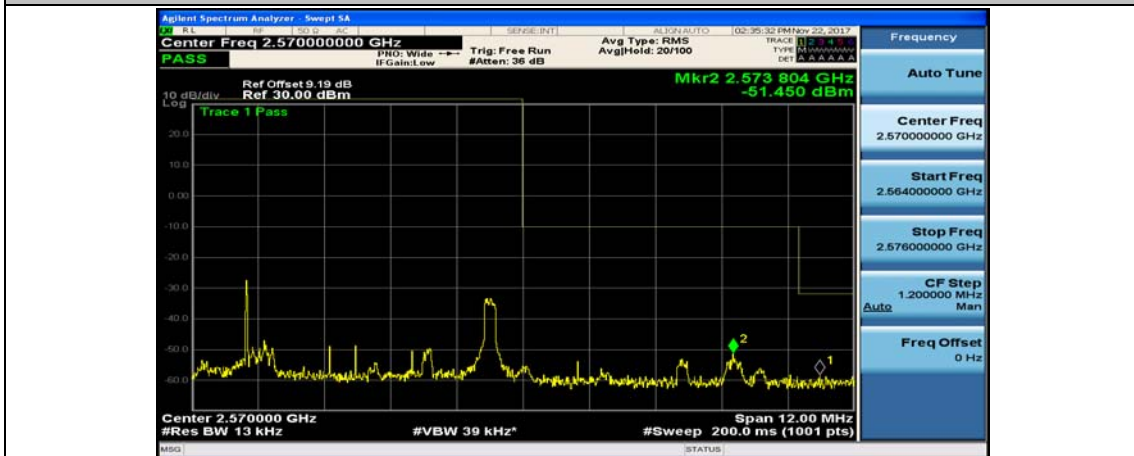Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0
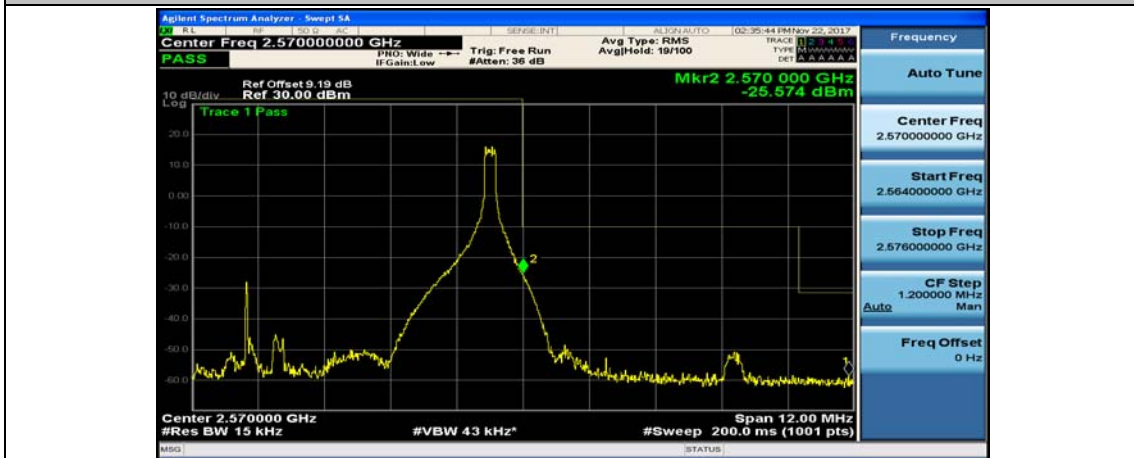

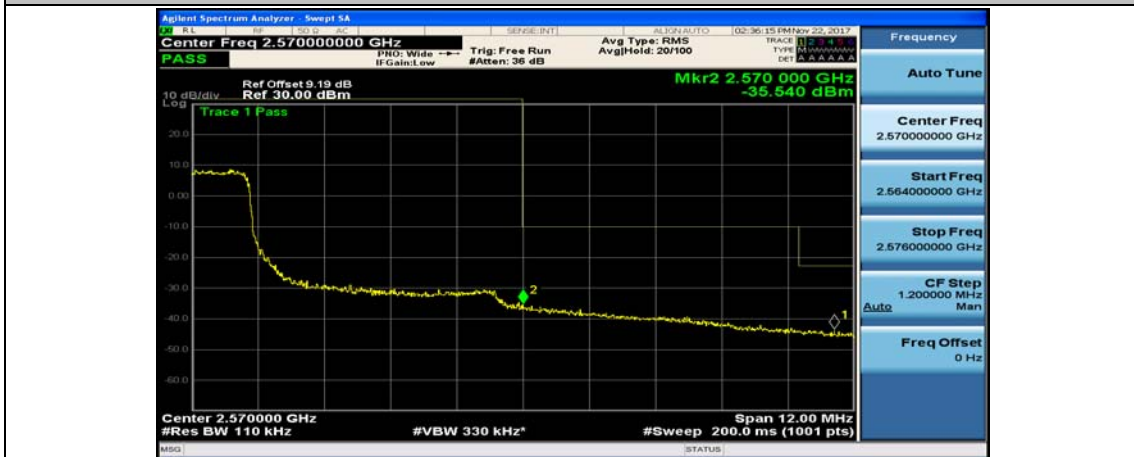Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

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