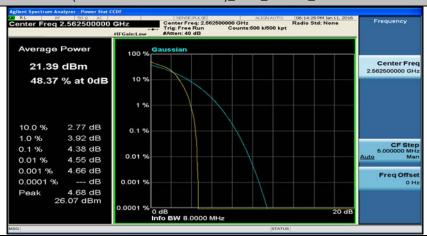
(Channel Bandwidth 15 MHz)_HCH_16QAM_1RB#37



(Channel Bandwidth 15 MHz)_HCH_16QAM_1RB#74

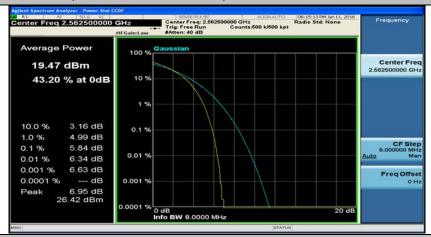


(Channel Bandwidth 15 MHz)_HCH_16QAM_37RB#0

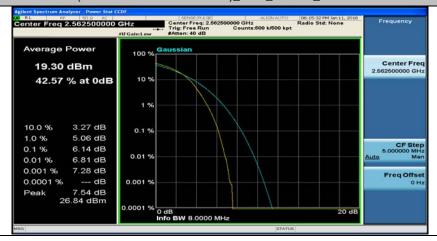


(Channel Bandwidth 15 MHz)_HCH_16QAM_37RB#18 Center Freq: 2.662500000 GHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 2.562500000 GHz Average Power 100 % 20.41 dBm 44.03 % at 0dB 10 % 10.0 % 3.02 dB 4.78 dB CF Step 5.000000 MHz 0.1 % 5.77 dB 0.01 % 0.01 % 6.35 dB 0.001 % 6.71 dB Freq Offset 0.0001 % --- dB 0.001 % 6.80 dB 27.21 dBm Peak 0.0001 9 0 dB Info BW 8.0000 MHz

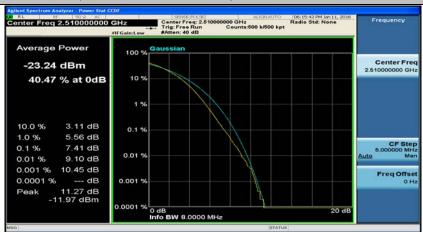
(Channel Bandwidth 15 MHz)_HCH_16QAM_37RB#38



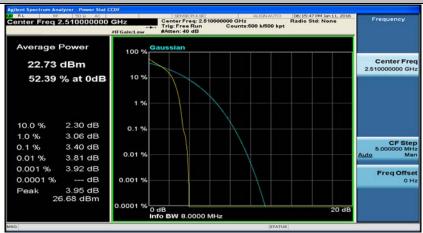
(Channel Bandwidth 15 MHz)_HCH_16QAM_75RB#0



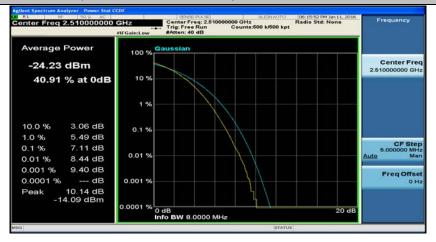
(Channel Bandwidth 20 MHz)_LCH_QPSK_1RB#0



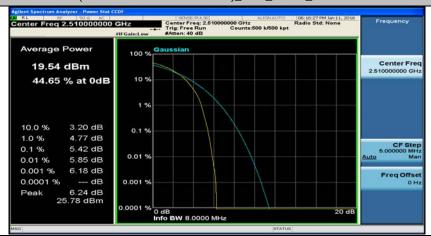
(Channel Bandwidth 20 MHz)_LCH_QPSK_1RB#49



(Channel Bandwidth 20 MHz)_LCH_QPSK_1RB#99



(Channel Bandwidth 20 MHz)_LCH_QPSK_50RB#0



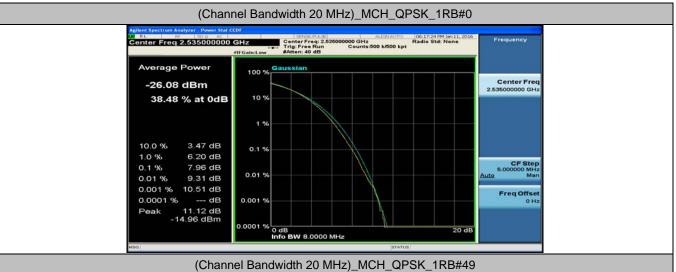
(Channel Bandwidth 20 MHz)_LCH_QPSK_50RB#25



(Channel Bandwidth 20 MHz)_LCH_QPSK_50RB#50

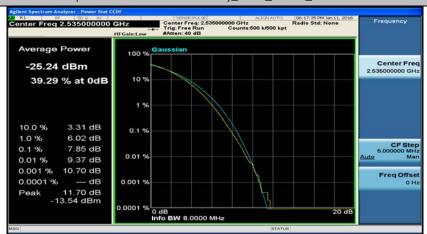


(Channel Bandwidth 20 MHz)_LCH_QPSK_100RB#0 Center Freq: 2.610000000 GHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 2.510000000 GHz Average Power 100 % 19.21 dBm 10 % 43.30 % at 0dB 10.0 % 3.25 dB 5.06 dB CF Step 5.000000 MHz 0.1 % 5.69 dB 0.01 % 0.01 % 6.17 dB 0.001 % 6.46 dB Freq Offset 0.0001 % --- dB 0.001 % 6.69 dB 25.90 dBm Peak 0.0001 % 0 dB Info BW 8.0000 MHz

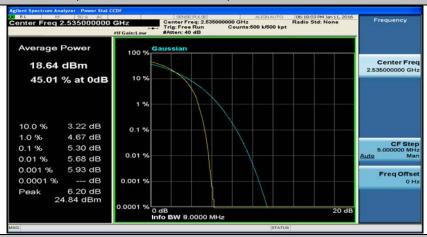




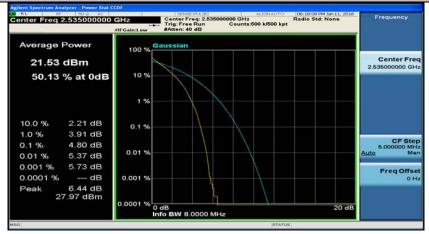
(Channel Bandwidth 20 MHz)_MCH_QPSK_1RB#99

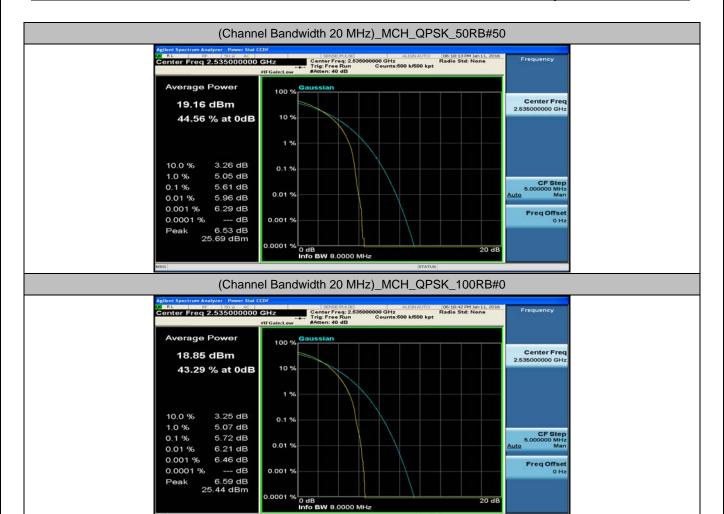


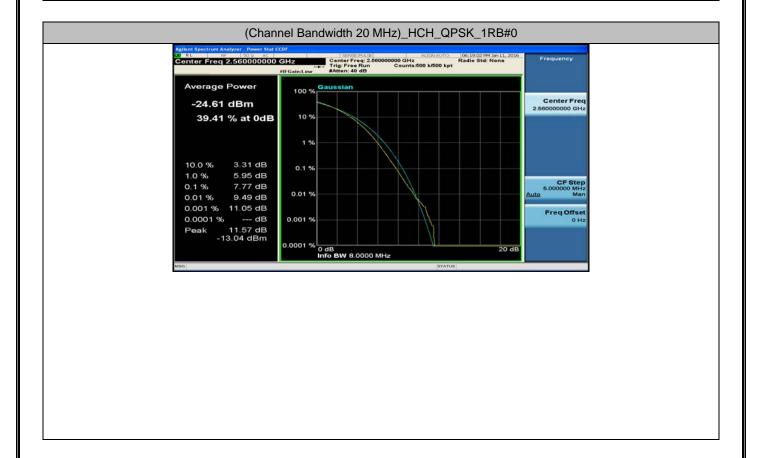
(Channel Bandwidth 20 MHz)_MCH_QPSK_50RB#0



(Channel Bandwidth 20 MHz)_MCH_QPSK_50RB#25







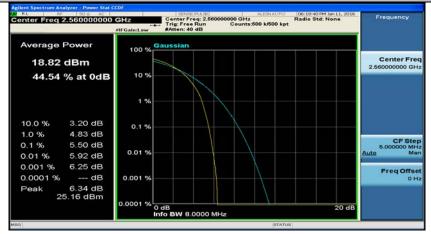
(Channel Bandwidth 20 MHz)_HCH_QPSK_1RB#49



(Channel Bandwidth 20 MHz)_HCH_QPSK_1RB#99

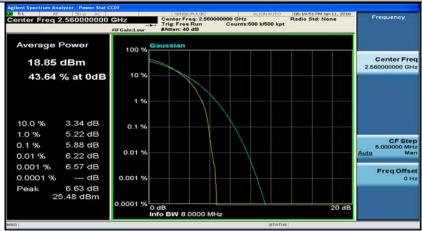


(Channel Bandwidth 20 MHz)_HCH_QPSK_50RB#0

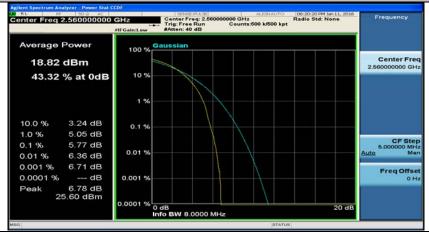


(Channel Bandwidth 20 MHz)_HCH_QPSK_50RB#25 nter Freq 2.560000000 GHz Average Power 100 % 21.26 dBm 10 % 46.41 % at 0dB 10.0 % 2.36 dB 4.28 dB CF Step 5.000000 MHz 0.1 % 5.23 dB 0.01 % 0.01 % 5.87 dB 0.001 % 6.37 dB Freq Offset 0.0001 % --- dB 0.001 % 6.68 dB 27.94 dBm Peak 0.0001 9 0 dB Info BW 8.0000 MHz

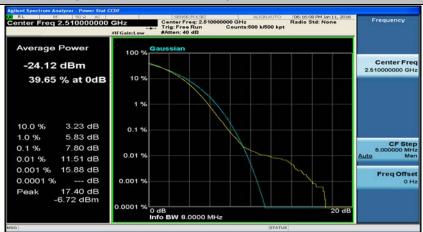
(Channel Bandwidth 20 MHz)_HCH_QPSK_50RB#50



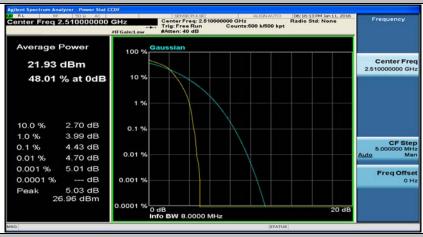
(Channel Bandwidth 20 MHz)_HCH_QPSK_100RB#0



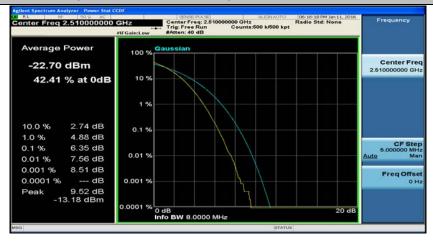
(Channel Bandwidth 20 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth 20 MHz)_LCH_16QAM_1RB#49



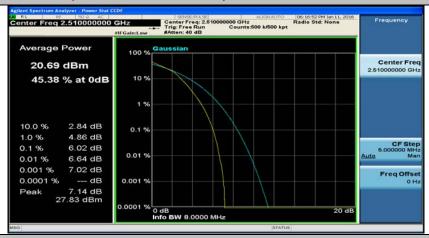
(Channel Bandwidth 20 MHz)_LCH_16QAM_1RB#99



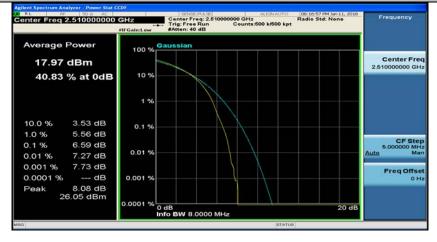
(Channel Bandwidth 20 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth 20 MHz)_LCH_16QAM_50RB#25

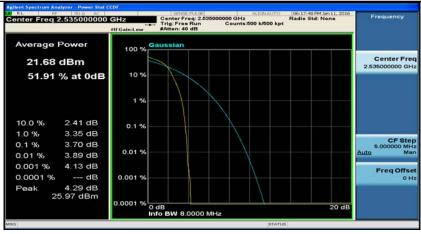


(Channel Bandwidth 20 MHz)_LCH_16QAM_50RB#50

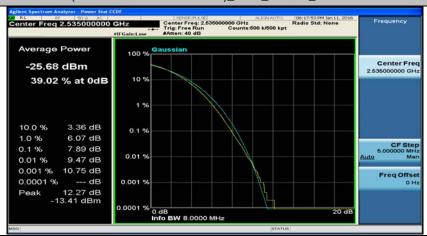


(Channel Bandwidth 20 MHz)_LCH_16QAM_100RB#0 nter Freq 2.510000000 GHz Average Power 100 % 18.21 dBm 39.67 % at 0dB 10 % 10.0 % 3.49 dB 5.49 dB CF Step 5.000000 MHz 0.1 % 6.71 dB 0.01 % 0.01 % 7.54 dB 0.001 % 8.31 dB Freq Offset 0.0001 % --- dB 0.001 % 8.54 dB 26.75 dBm Peak 0.0001 % 0 dB Info BW 8.0000 MHz





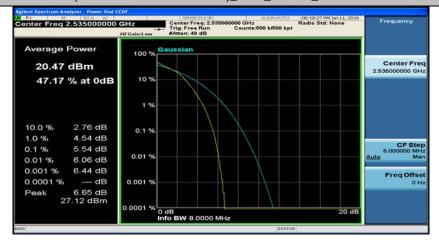
(Channel Bandwidth 20 MHz)_MCH_16QAM_1RB#99



(Channel Bandwidth 20 MHz)_MCH_16QAM_50RB#0

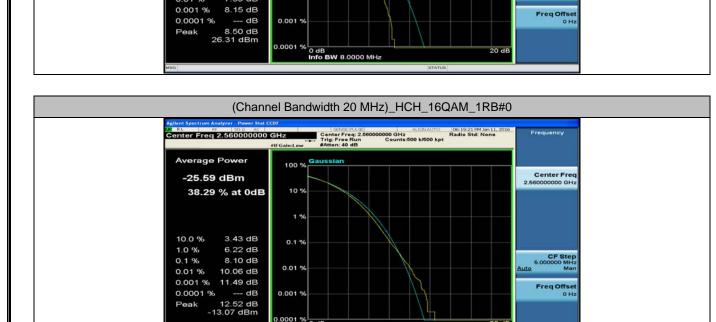


(Channel Bandwidth 20 MHz)_MCH_16QAM_50RB#25



(Channel Bandwidth 20 MHz)_MCH_16QAM_50RB#50 Center Freq: 2.535000000 GHz Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 2.535000000 GHz Average Power 100 % 18.11 dBm 41.53 % at 0dB 10 % 10.0 % 3.48 dB 5.45 dB CF Step 5.000000 MHz 0.1 % 6.39 dB 0.01 % 0.01 % 6.99 dB 0.001 % 7.42 dB Freq Offset % --- dB 7.75 dB 25.86 dBm 0.0001 % 0.001 % Peak 0.0001 9 0 dB Info BW 8.0000 MHz (Channel Bandwidth 20 MHz)_MCH_16QAM_100RB#0 Center Freq 2.535000000 GHz Average Power 100 % Center Freq 2.535000000 GHz 17.81 dBm 10 % 39.81 % at 0dB

CF Step 5.000000 MH:



0 dB Info BW 8.0000 MHz

10.0 %

1.0 %

0.1 %

0.01 %

3.47 dB

5.48 dB

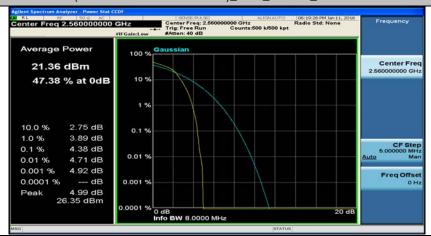
6.58 dB

7.39 dB

0.1 %

0.01 %

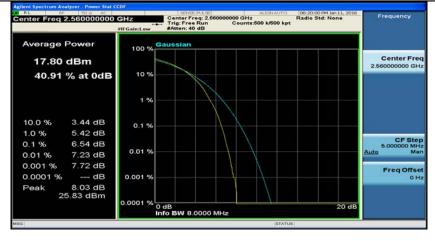
(Channel Bandwidth 20 MHz)_HCH_16QAM_1RB#49



(Channel Bandwidth 20 MHz)_HCH_16QAM_1RB#99



(Channel Bandwidth 20 MHz)_HCH_16QAM_50RB#0

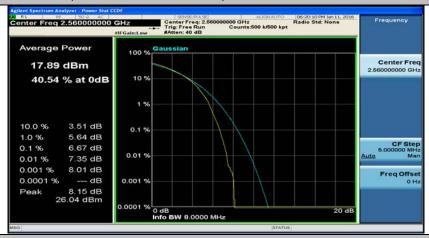


(Channel Bandwidth 20 MHz)_HCH_16QAM_50RB#25 Center Freq: 2.560000000 GHz Radio Std: None Trig: Free Run Counts:500 k/500 kpt #Atten: 40 dB nter Freq 2.560000000 GHz Average Power 100 % 20.28 dBm 10 % 44.34 % at 0dB 10.0 % 2.90 dB 4.88 dB CF Step 5.000000 MHz 0.1 % 6.01 dB 0.01 % 0.01 % 6.69 dB 0.001 % 7.03 dB Freq Offset % --- dB 7.14 dB 27.42 dBm 0.0001 % 0.001 % Peak

(Channel Bandwidth 20 MHz)_HCH_16QAM_50RB#50

0 dB Info BW 8.0000 MHz

0.0001 9



(Channel Bandwidth 20 MHz)_HCH_16QAM_100RB#0



C.3: 26dB Bandwidth and Occupied Bandwidth

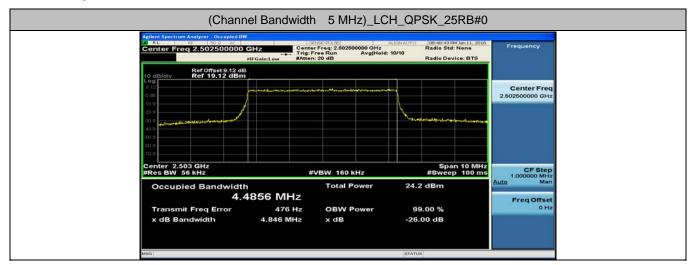
Channel Bandwidth 5 MHz							
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		Size	Offset	(MHz)	(MHz)	verdict	
QPSK	LCH	25	0	4.4856	4.846	PASS	
	MCH	25	0	4.4856	4.889	PASS	
	HCH	25	0	4.4899	4.838	PASS	
16QAM	LCH	25	0	4.4848	4.800	PASS	
	MCH	25	0	4.4851	4.823	PASS	
	HCH	25	0	4.4859	4.882	PASS	

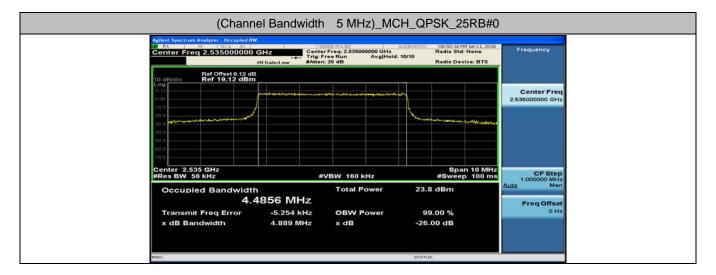
Channel Bandwidth 10 MHz							
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict	
		Size	Offset	(MHz)	(MHz)	verdict	
QPSK	LCH	50	0	8.9380	9.457	PASS	
	MCH	50	0	8.9445	9.548	PASS	
	HCH	50	0	8.9303	9.504	PASS	
16QAM	LCH	50	0	8.9321	9.445	PASS	
	MCH	50	0	8.9407	9.593	PASS	
	HCH	50	0	8.9377	9.531	PASS	

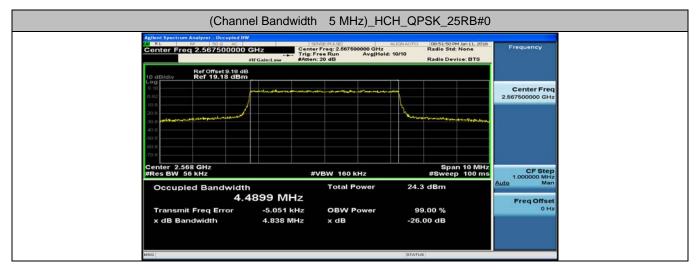
Channel Bandwidth 15 MHz							
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict	
		Size	Offset	(MHz)	(MHz)	verdict	
QPSK	LCH	75	0	13.409	14.05	PASS	
QPSK	MCH	75	0	13.449	17.87	PASS	
	HCH	75	0	13.395	14.13	PASS	
16QAM	LCH	75	0	13.409	14.05	PASS	
	MCH	75	0	13.435	14.12	PASS	
	HCH	75	0	13.403	14.09	PASS	

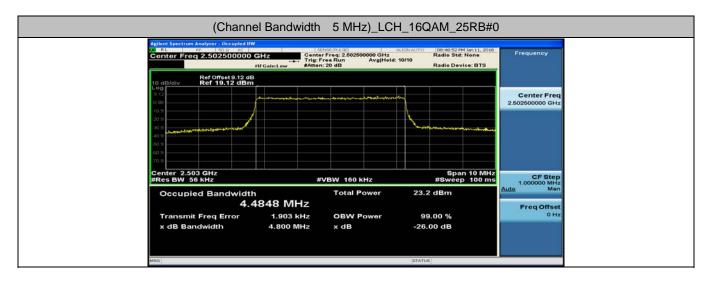
Channel Bandwidth 20 MHz							
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth	Verdict	
		Size	Offset	(MHz)	(MHz)	verdict	
QPSK	LCH	100	0	17.859	18.62	PASS	
	MCH	100	0	17.899	18.77	PASS	
	HCH	100	0	17.876	18.63	PASS	
16QAM	LCH	100	0	17.861	18.64	PASS	
	MCH	100	0	17.890	18.66	PASS	
	HCH	100	0	17.862	18.65	PASS	

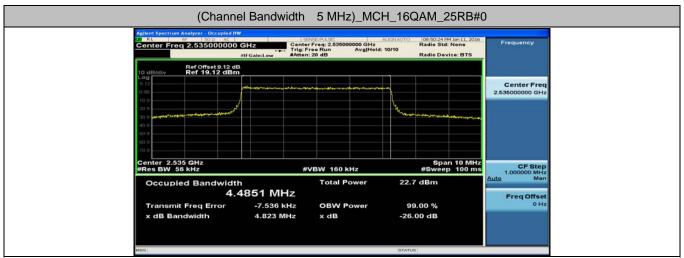
Test Graphs

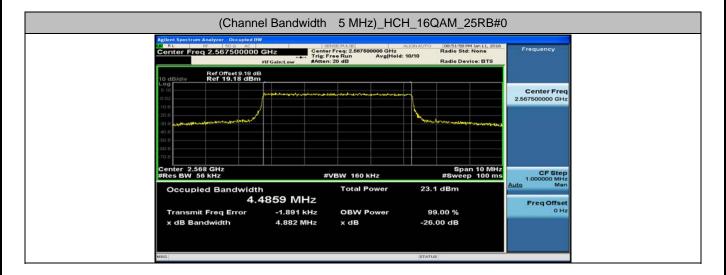


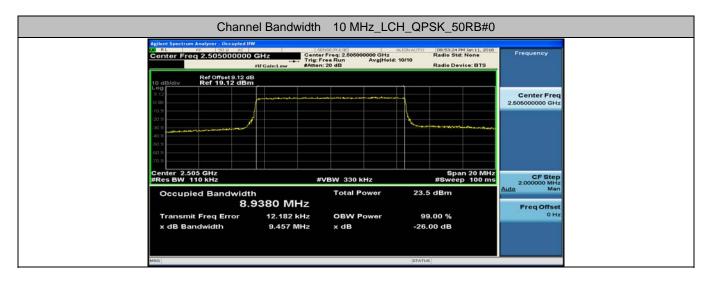




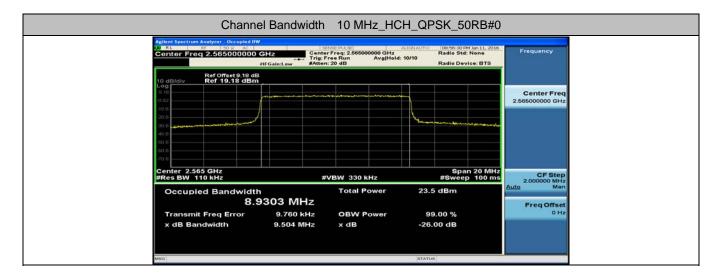


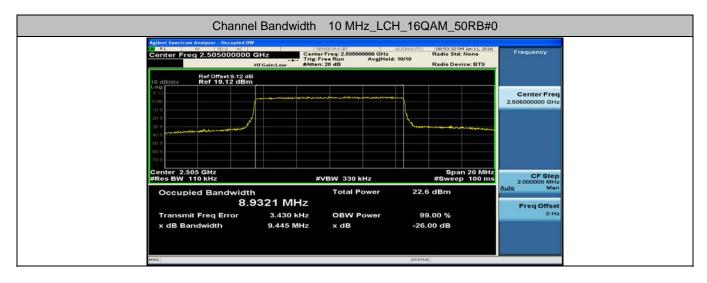


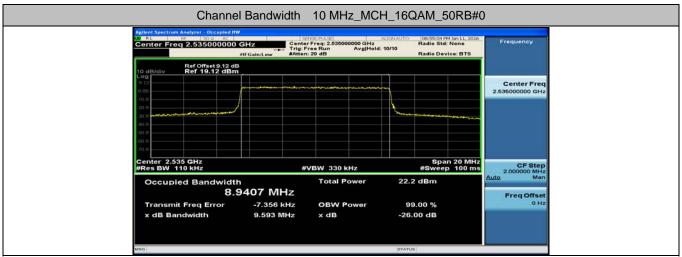


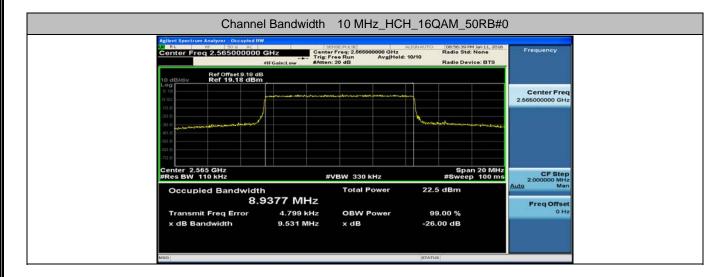


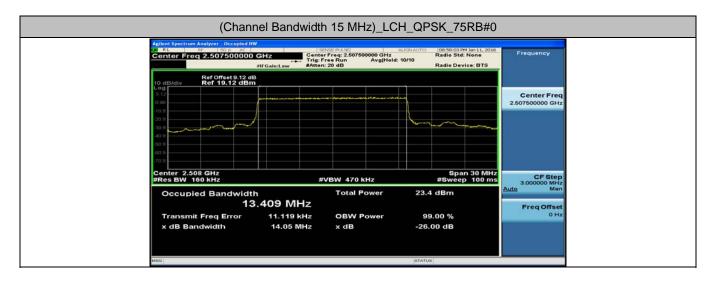


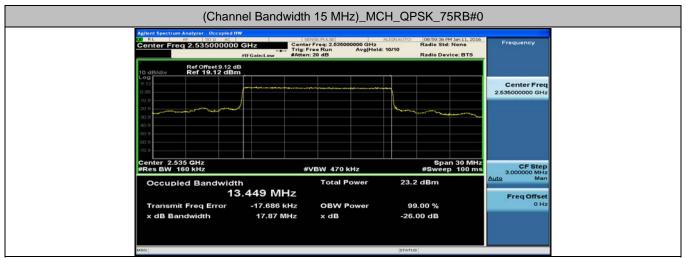


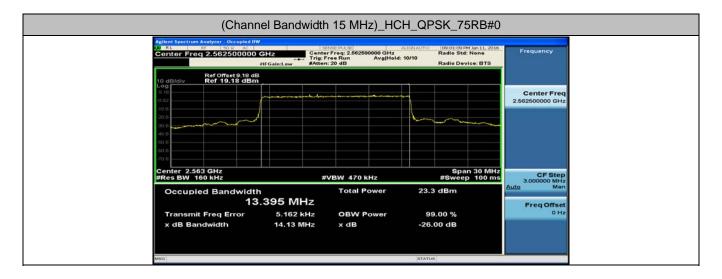


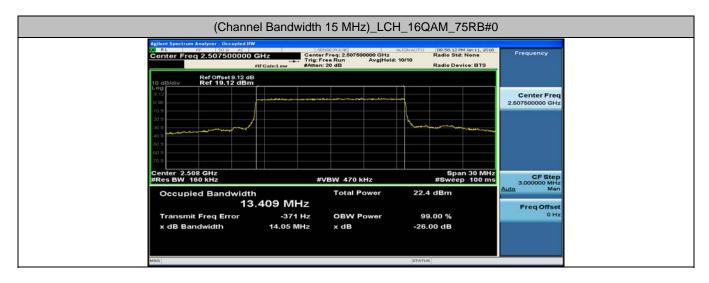


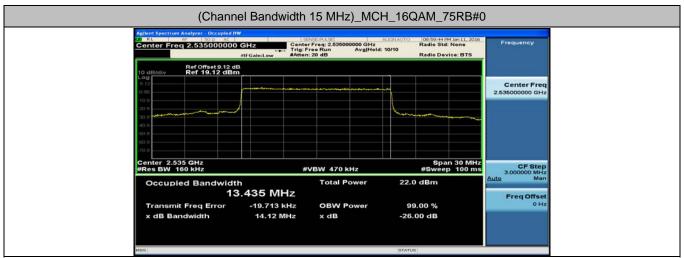


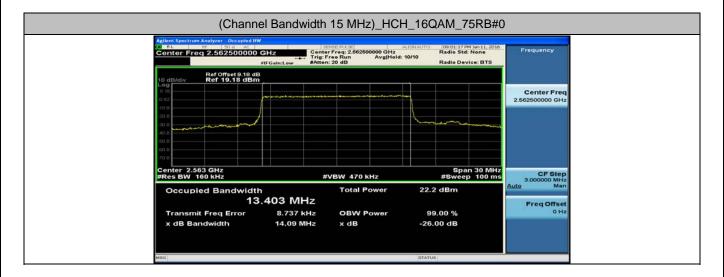


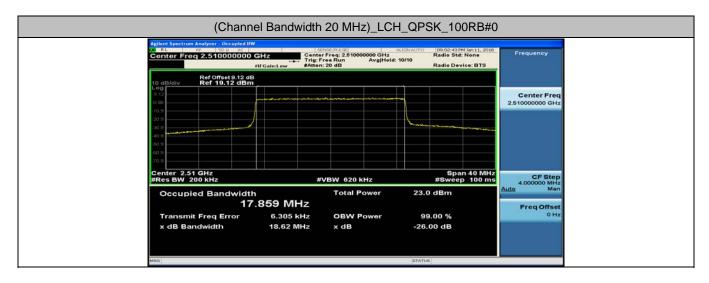


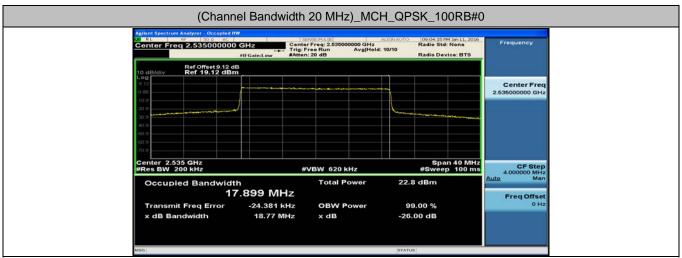


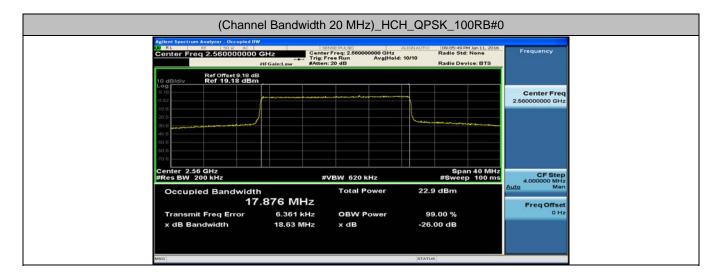


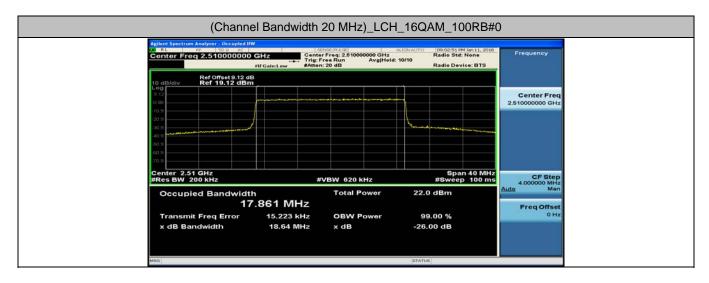


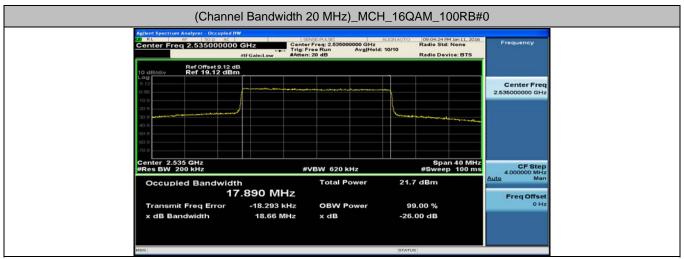


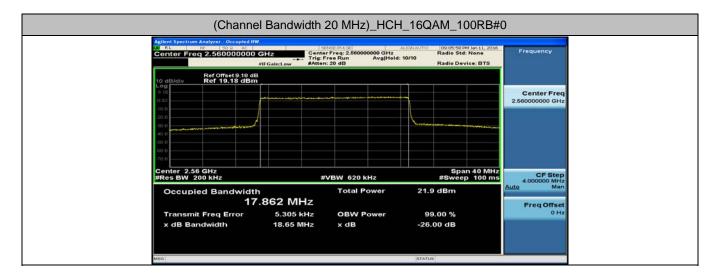




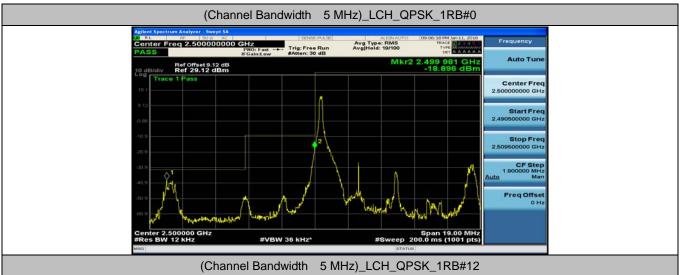


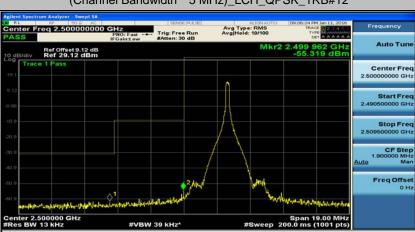






C.4: Band Edge







(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#6 Applied Spectrum Analysis: Swept MA Center Freq 2.500000000 GHz PASS Ref Orner 9.12 dBm Set Orner 9.12 dBm Center Freq 2.500000000 GHz Frequency Avg Type RMS Center Freq 2.500000000 GHz Stop Freq 2.500000000 GHz Center Freq 2.500000000 GHz Center P.5000000 GHz Stop Freq 2.500000000 GHz Center P.5000000 GHz Stop Freq 2.500000000 GHz Center P.5000000 GHz Center P.50000000 GHz Center P.500000000 GHz Center P.5000000000 GHz Center P.500000000 GHz Center P.500000000 GHz Center P.5000000000 GHz Center P.50000000000 GHz Center P.50000000000 GHz Center P.50000000000 GHz Center P.50000000000 GHz Center P.50000000000





(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#0 Applied Spectrum Analyzer Swept SA Contor Freq 2.570000000 GHz PICO, Wide - Ditto, Wi

(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#0 Agiliant Spectrum Analyzer_Seept 54 Center Freq 2.5700000000 GHz PASS Ref Organic 1910 Ref Organic

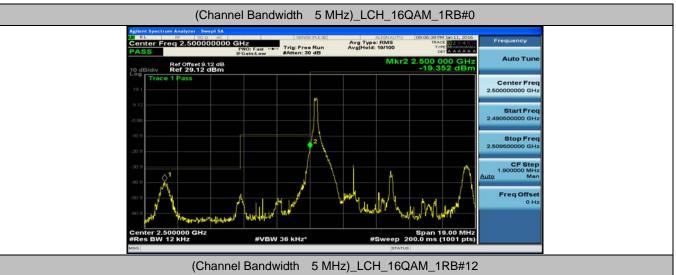
(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#6

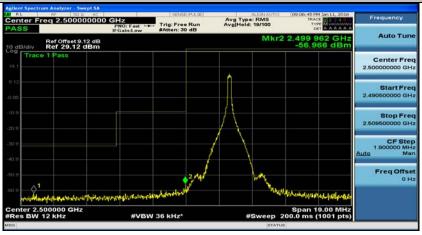


(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#13

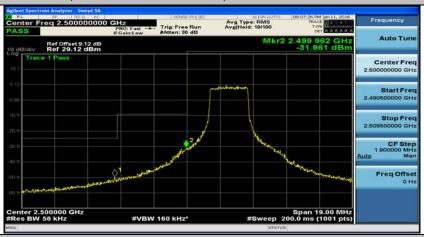








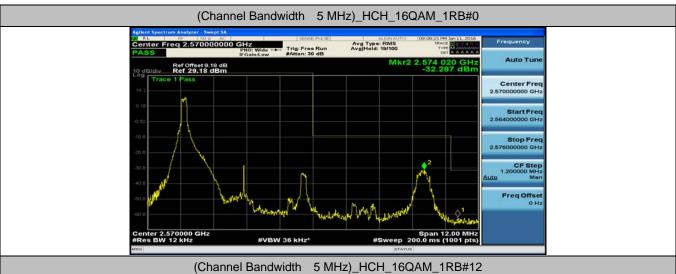
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#6

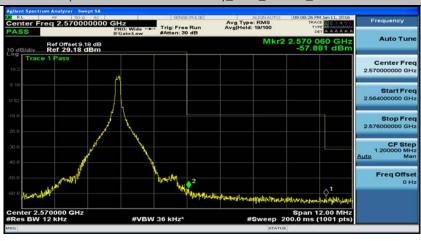


(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#13









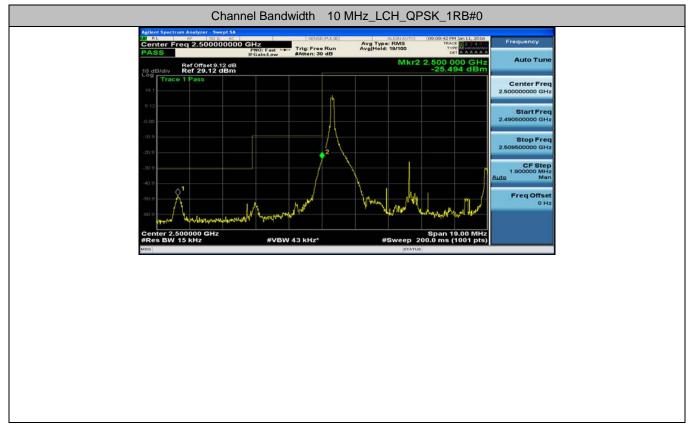
(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#6







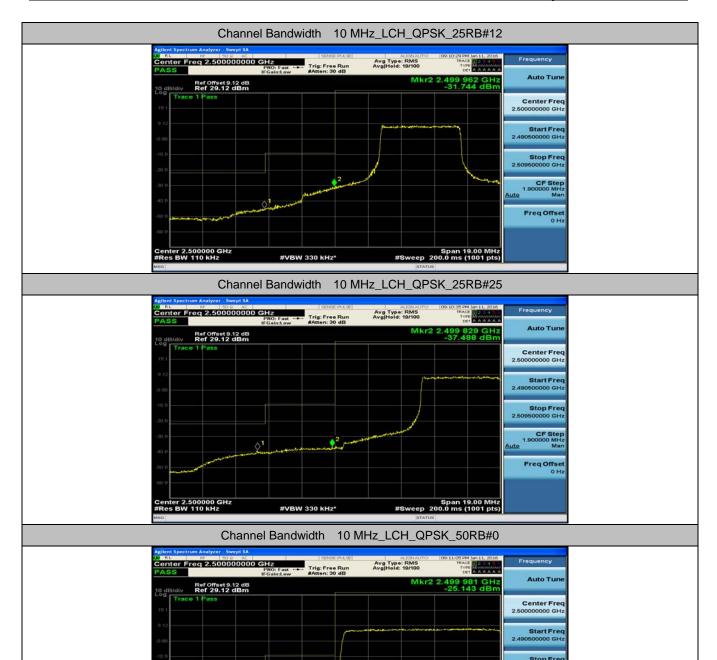
Channel Bandwidth 10 MHz_LCH_QPSK_1RB#24 | Aghert Spectrum Analyzer Swept SA | State | State





Channel Bandwidth 10 MHz_LCH_QPSK_25RB#0





#VBW 620 kHz*

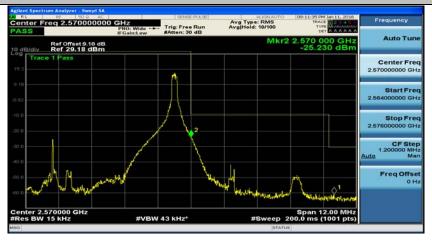
Span 19.00 MHz #Sweep 200.0 ms (1001 pts)

Center Freq 2.5700000 GHz PASS Ref Offset 9.18 dBm Center Freq 2.5700000 GHz Frequency Avg Type: Rbs Avg Type: Rbs Avg Held: 19/100 Avg Held: 19/100 Trace 1 Pass Start Freq 2.570000 GHz Start Freq 2.570000 GHz Center 2.570000 GHz Start Freq 2.570000 GHz Start Freq 2.570000 GHz Center 2.57000 GHz Start Freq 2.570000 GHz Start Freq 2.5700000 GHz Start Freq 0.15ct GHz Start Freq 2.5700000 GHz Start Freq 2.57000000 GHz Start Freq 0.15ct GHz Start Freq 2.57000000 GHz Start Freq 2.5700000000 GHz

Channel Bandwidth 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth 10 MHz_HCH_QPSK_1RB#49



Center Freq 2.570000 GHz Ref Offset 9.18 dB Ref 2.570000 GHz Trace 1 Pass Center Freq 2.570000 GHz Frequency Auto Tune Center Freq 2.570000 GHz Start Freq 2.5700000 GHz Center Freq 2.570000 GHz Start Freq 2.5700000 GHz Center Freq 2.570000 GHz Start Freq 2.5700000 GHz Frequency Auto Tune Center Freq 2.5700000 GHz Start Freq 2.5700000 GHz Frequency Auto Tune Center Freq 2.5700000 GHz Start Freq 2.5700000 GHz Frequency Auto Tune Center Freq 2.5700000 GHz Start Freq 2.5700000 GHz Frequency Auto Tune Center Freq 2.5700000 GHz Start Freq 2.57000000 GHz Frequency Auto Tune Center Freq 2.5700000 GHz Start Freq 2.57000000 GHz Freq Offset 0.11 GHz Auto Tune Center Freq 2.5700000 GHz Freq Offset 0.11 GHz Freq Offset 0.12 GHz Freq Unit Market 0.1

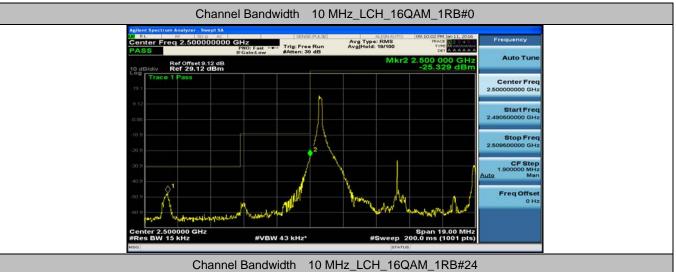
Channel Bandwidth 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth 10 MHz_HCH_QPSK_25RB#25

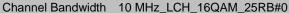








Channel Bandwidth 10 MHz_LCH_16QAM_1RB#49 Application Analyzer Sweep 3A Center Freq 2.5000000000 GHz PASS PROFESS P





Channel Bandwidth 10 MHz_LCH_16QAM_25RB#12

