



Appendix A: Average Output Power Data

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.45	PASS
		1	2	22.55	PASS
		1	5	22.34	PASS
		3	0	22.44	PASS
		3	1	22.51	PASS
		3	3	22.49	PASS
		6	0	21.47	PASS
	MCH	1	0	22.61	PASS
		1	2	22.7	PASS
		1	5	22.49	PASS
		3	0	22.59	PASS
		3	1	22.67	PASS
		3	3	22.65	PASS
		6	0	21.54	PASS
	HCH	1	0	22.7	PASS
		1	2	22.72	PASS
		1	5	22.59	PASS
		3	0	22.7	PASS
		3	1	22.79	PASS
		3	3	22.67	PASS
		6	0	21.57	PASS
16QAM	LCH	1	0	21.67	PASS
		1	2	21.75	PASS
		1	5	21.6	PASS
		3	0	21.56	PASS
		3	1	21.73	PASS
		3	3	21.6	PASS
		6	0	20.54	PASS
	MCH	1	0	21.64	PASS
		1	2	21.73	PASS
		1	5	21.7	PASS
		3	0	21.72	PASS
		3	1	21.82	PASS



		3	3	21.75	PASS
		6	0	20.67	PASS
	HCH	1	0	21.82	PASS
		1	2	21.86	PASS
		1	5	21.84	PASS
		3	0	21.81	PASS
		3	1	21.81	PASS
		3	3	21.84	PASS
		6	0	20.68	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
		QPSK	LCH		
1	7			22.85	PASS
1	14			22.62	PASS
8	0			21.59	PASS
8	3			21.63	PASS
8	7			21.56	PASS
15	0			21.54	PASS
MCH	1		0	22.59	PASS
	1		7	22.77	PASS
	1		14	22.62	PASS
	8		0	21.63	PASS
	8		3	21.67	PASS
	8		7	21.65	PASS
	15		0	21.65	PASS
HCH	1		0	22.66	PASS
	1		7	22.84	PASS
	1		14	22.64	PASS
	8		0	21.69	PASS
	8		3	21.72	PASS
	8		7	21.72	PASS
	15		0	21.64	PASS
16QAM	LCH	1	0	21.82	PASS
		1	7	21.91	PASS
		1	14	21.88	PASS
		8	0	20.64	PASS
		8	3	20.65	PASS



		8	7	20.58	PASS
		15	0	20.46	PASS
	MCH	1	0	21.88	PASS
		1	7	21.87	PASS
		1	14	21.98	PASS
		8	0	20.71	PASS
		8	3	20.72	PASS
		8	7	20.77	PASS
		15	0	20.63	PASS
	HCH	1	0	21.88	PASS
		1	7	21.81	PASS
		1	14	21.78	PASS
		8	0	20.75	PASS
		8	3	20.75	PASS
		8	7	20.73	PASS
15		0	20.62	PASS	

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.51	PASS
		1	12	22.71	PASS
		1	24	22.65	PASS
		12	0	21.63	PASS
		12	6	21.65	PASS
		12	13	21.66	PASS
		25	0	21.69	PASS
	MCH	1	0	22.66	PASS
		1	12	22.92	PASS
		1	24	22.8	PASS
		12	0	21.64	PASS
		12	6	21.73	PASS
		12	13	21.71	PASS
		25	0	21.73	PASS
	HCH	1	0	22.81	PASS
		1	12	22.97	PASS
		1	24	22.8	PASS
		12	0	21.77	PASS
		12	6	21.9	PASS
		12	13	21.82	PASS



		25	0	21.83	PASS
16QAM	LCH	1	0	21.88	PASS
		1	12	21.84	PASS
		1	24	21.96	PASS
		12	0	20.7	PASS
		12	6	20.72	PASS
		12	13	20.74	PASS
		25	0	20.58	PASS
	MCH	1	0	21.95	PASS
		1	12	21.81	PASS
		1	24	21.93	PASS
		12	0	20.77	PASS
		12	6	20.8	PASS
		12	13	20.81	PASS
		25	0	20.78	PASS
	HCH	1	0	21.92	PASS
		1	12	21.77	PASS
		1	24	21.86	PASS
		12	0	20.84	PASS
		12	6	20.92	PASS
		12	13	20.85	PASS
		25	0	20.85	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.6	PASS
		1	24	22.56	PASS
		1	49	22.49	PASS
		25	0	21.57	PASS
		25	12	21.63	PASS
		25	25	21.57	PASS
		50	0	21.64	PASS
	MCH	1	0	22.64	PASS
		1	24	22.74	PASS
		1	49	22.72	PASS
		25	0	21.69	PASS
		25	12	21.74	PASS
		25	25	21.74	PASS
		50	0	21.7	PASS



	HCH	1	0	22.66	PASS
		1	24	22.77	PASS
		1	49	22.9	PASS
		25	0	21.66	PASS
		25	12	21.85	PASS
		25	25	21.86	PASS
		50	0	21.85	PASS
16QAM	LCH	1	0	21.91	PASS
		1	24	21.89	PASS
		1	49	21.82	PASS
		25	0	20.58	PASS
		25	12	20.66	PASS
		25	25	20.65	PASS
		50	0	20.66	PASS
	MCH	1	0	21.94	PASS
		1	24	22.08	PASS
		1	49	22.06	PASS
		25	0	20.76	PASS
		25	12	20.8	PASS
		25	25	20.81	PASS
		50	0	20.76	PASS
	HCH	1	0	22.06	PASS
		1	24	22.03	PASS
		1	49	22.01	PASS
		25	0	20.7	PASS
		25	12	20.84	PASS
		25	25	20.9	PASS
		50	0	20.87	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.83	PASS
		1	37	22.81	PASS
		1	74	22.51	PASS
		36	0	21.8	PASS
		36	19	21.72	PASS
		36	39	21.72	PASS
		75	0	21.71	PASS
	MCH	1	0	22.66	PASS



		1	37	22.86	PASS
		1	74	22.57	PASS
		36	0	21.79	PASS
		36	19	21.86	PASS
		36	39	21.85	PASS
		75	0	21.83	PASS
		75	0	21.83	PASS
	HCH	1	0	22.85	PASS
		1	37	22.94	PASS
		1	74	22.81	PASS
		36	0	21.84	PASS
		36	19	21.96	PASS
		36	39	21.77	PASS
		75	0	21.9	PASS
16QAM	LCH	1	0	21.92	PASS
		1	37	21.88	PASS
		1	74	21.93	PASS
		36	0	20.77	PASS
		36	19	20.76	PASS
		36	39	20.73	PASS
		75	0	20.77	PASS
		75	0	20.77	PASS
	MCH	1	0	21.94	PASS
		1	37	21.81	PASS
		1	74	21.88	PASS
		36	0	20.84	PASS
		36	19	20.9	PASS
		36	39	20.83	PASS
		75	0	20.84	PASS
		75	0	20.84	PASS
	HCH	1	0	21.88	PASS
		1	37	21.74	PASS
		1	74	21.63	PASS
		36	0	20.8	PASS
		36	19	20.93	PASS
		36	39	20.82	PASS
		75	0	20.8	PASS
		75	0	20.8	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.69	PASS
		1	49	22.74	PASS



		1	99	22.53	PASS	
		50	0	21.83	PASS	
		50	25	21.91	PASS	
		50	50	21.83	PASS	
		100	0	21.81	PASS	
	MCH	1	0	22.71	PASS	
		1	49	22.85	PASS	
		1	99	22.57	PASS	
		50	0	21.8	PASS	
		50	25	21.84	PASS	
		50	50	21.88	PASS	
		100	0	21.78	PASS	
	HCH	1	0	22.81	PASS	
		1	49	22.93	PASS	
		1	99	22.71	PASS	
		50	0	21.85	PASS	
		50	25	21.81	PASS	
		50	50	21.89	PASS	
		100	0	21.93	PASS	
	16QAM	LCH	1	0	22.06	PASS
			1	49	22.01	PASS
1			99	21.94	PASS	
50			0	20.83	PASS	
50			25	20.91	PASS	
50			50	20.82	PASS	
100			0	20.86	PASS	
MCH		1	0	21.94	PASS	
		1	49	22.08	PASS	
		1	99	21.88	PASS	
		50	0	20.88	PASS	
		50	25	20.91	PASS	
		50	50	20.87	PASS	
		100	0	20.83	PASS	
HCH		1	0	22.05	PASS	
		1	49	22.01	PASS	
		1	99	21.89	PASS	
		50	0	20.89	PASS	
		50	25	20.89	PASS	
		50	50	20.92	PASS	
		100	0	20.88	PASS	



Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.04	<13	PASS
16QAM	MCH	1	0	4.72	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	3.97	<13	PASS
16QAM	MCH	1	0	4.86	<13	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.09	<13	PASS
16QAM	MCH	1	0	4.91	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.24	<13	PASS
16QAM	MCH	1	0	5.15	<13	PASS



Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.37	<13	PASS
16QAM	MCH	1	0	5.14	<13	PASS

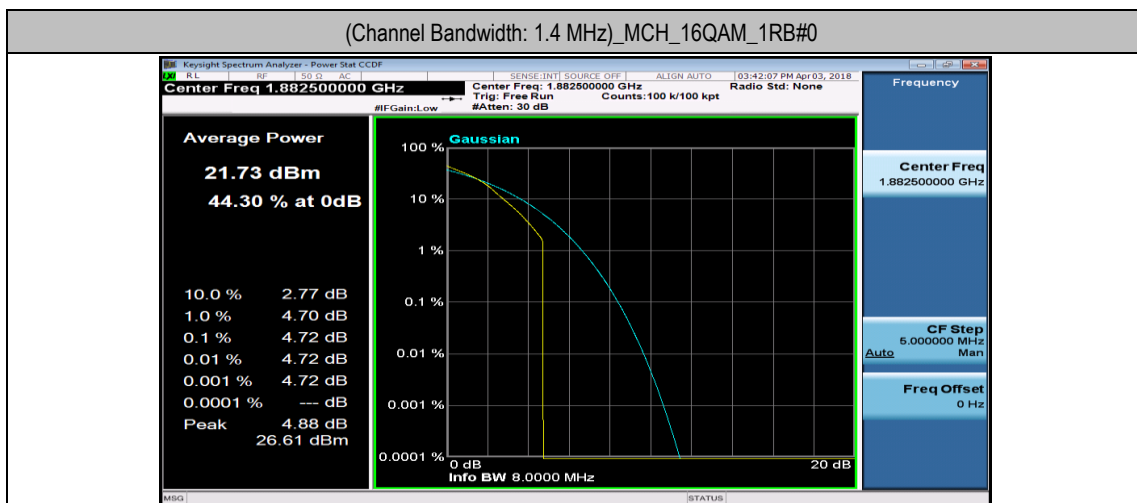
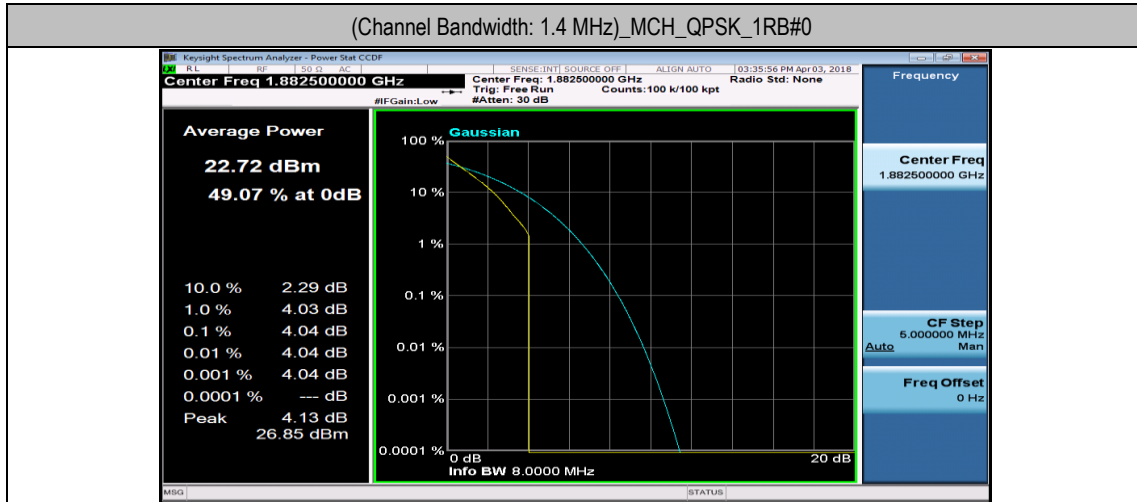
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.3	<13	PASS
16QAM	MCH	1	0	5.21	<13	PASS

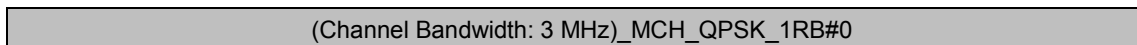


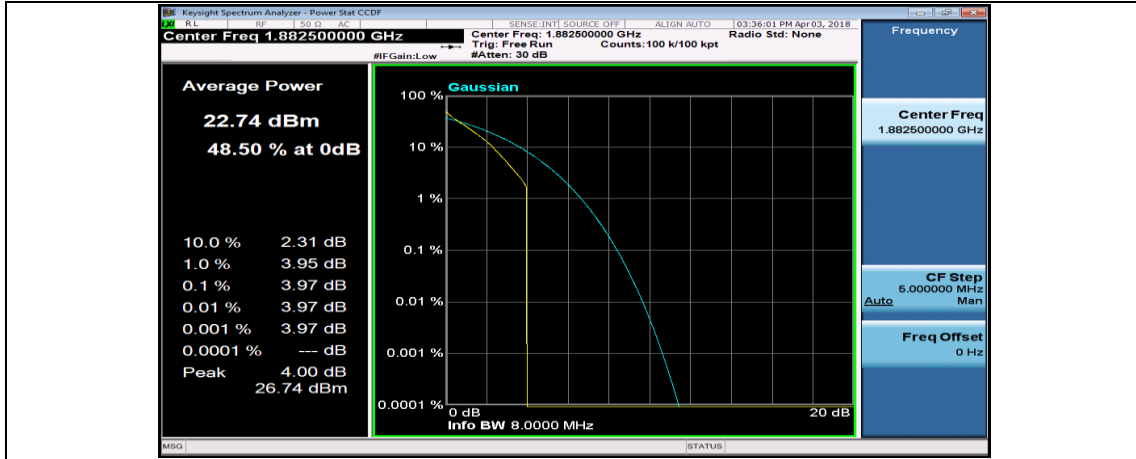
Test Graphs

Channel Bandwidth: 1.4 MHz

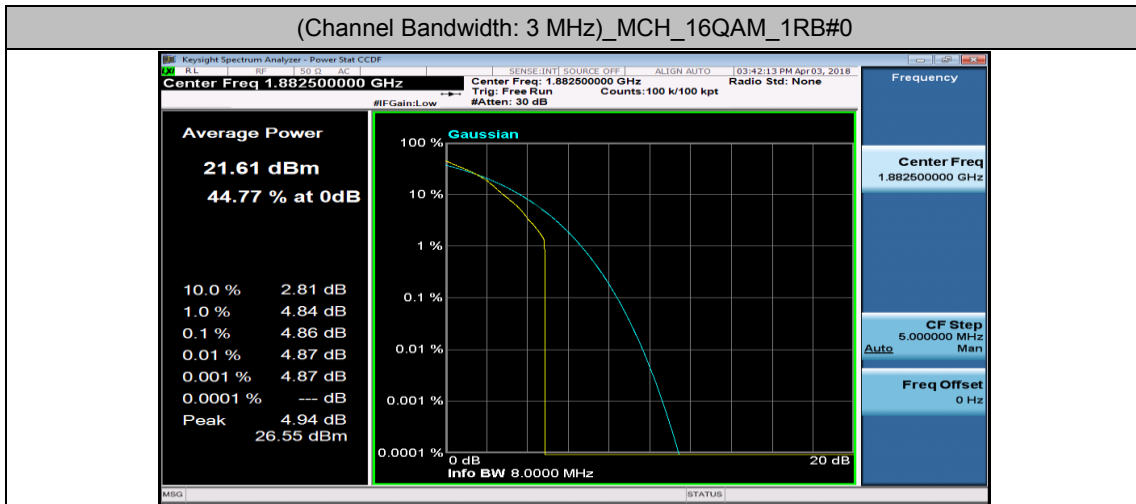


Channel Bandwidth: 3 MHz



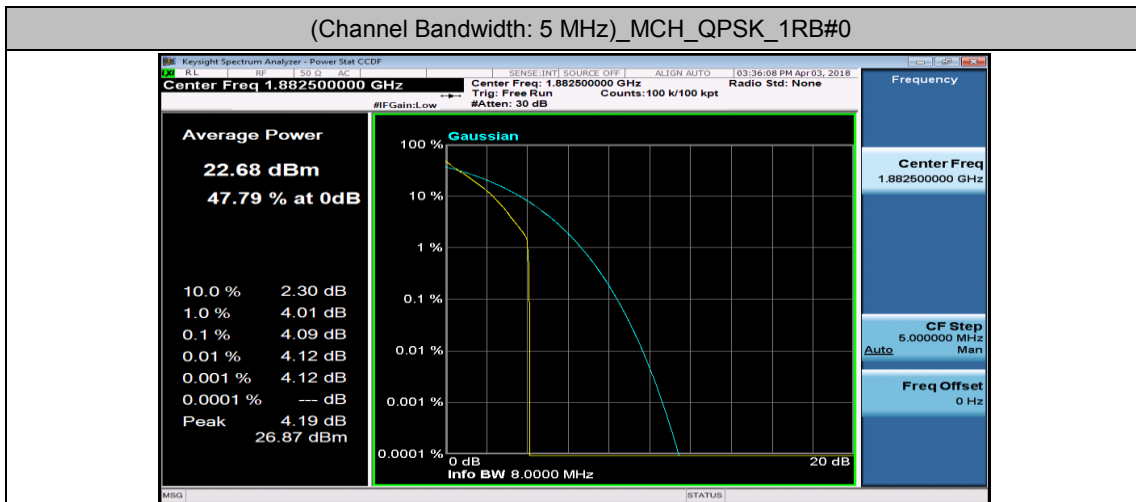


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

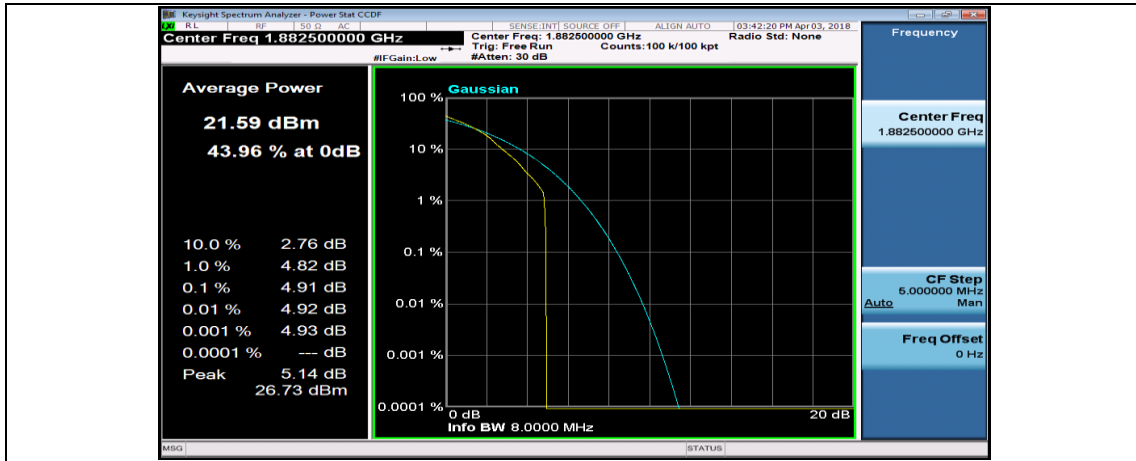


Channel Bandwidth: 5 MHz

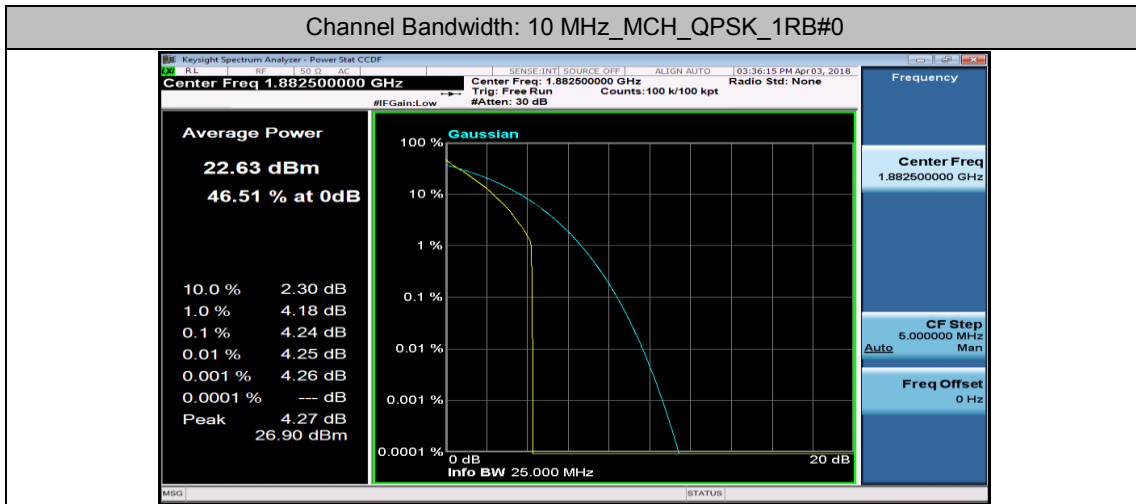
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



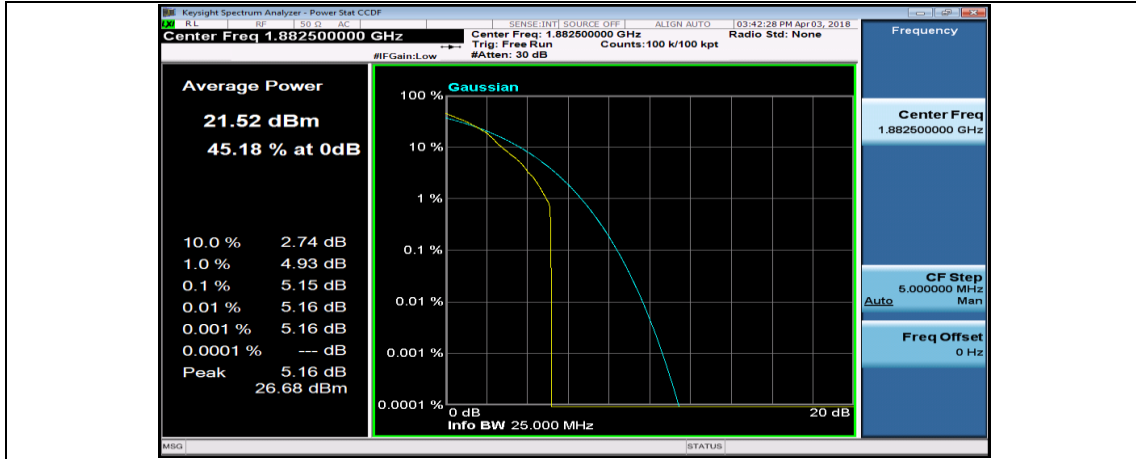
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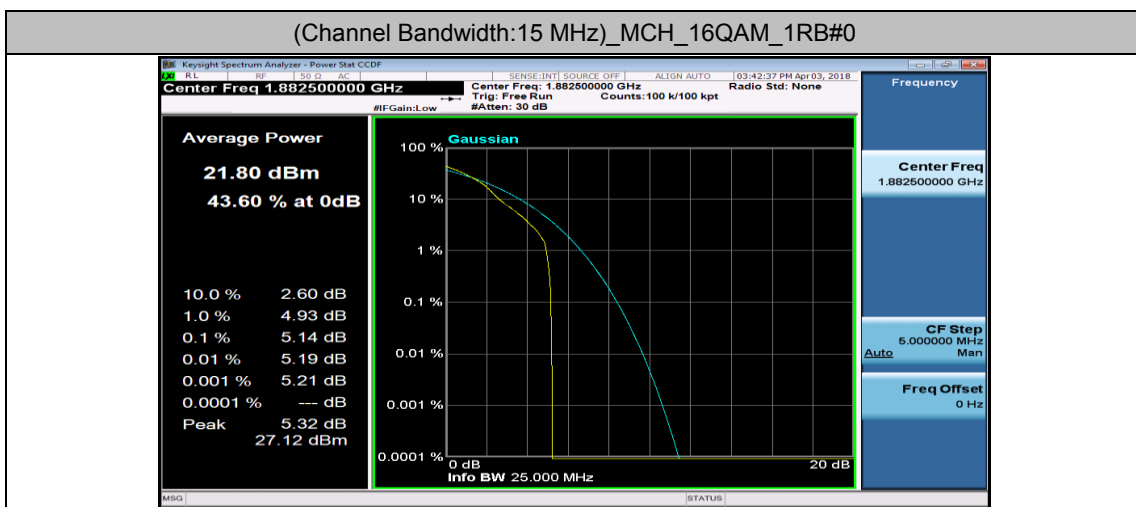
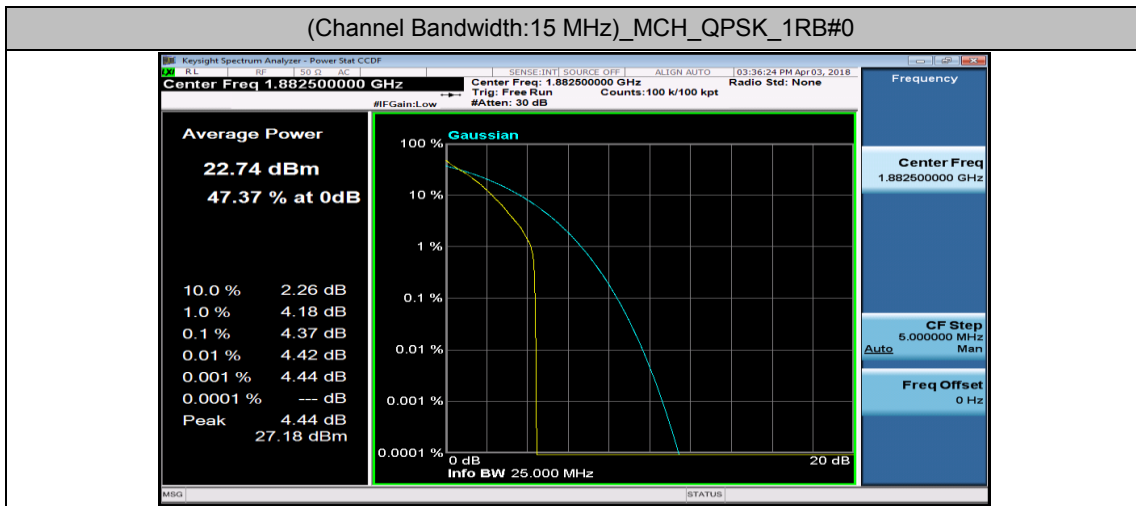
Channel Bandwidth: 10 MHz



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



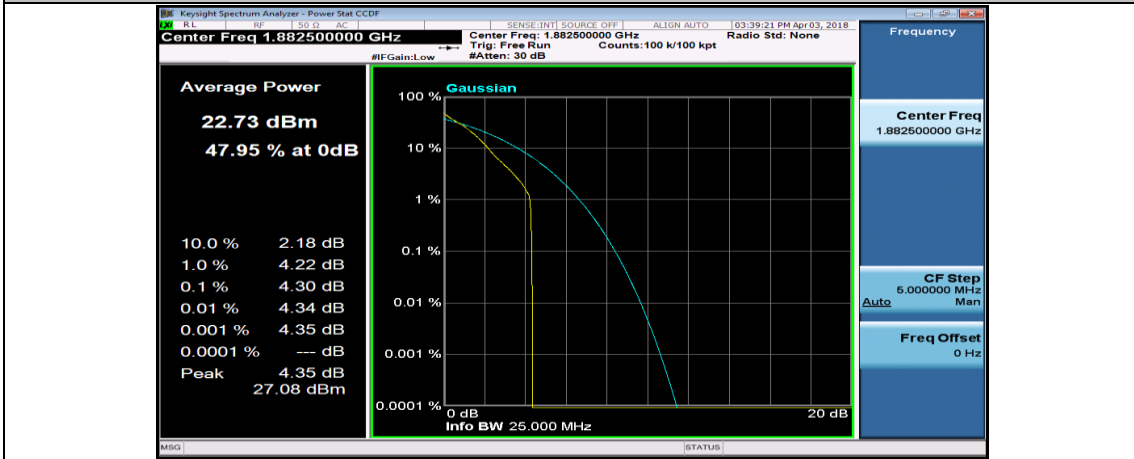
Channel Bandwidth: 15 MHz



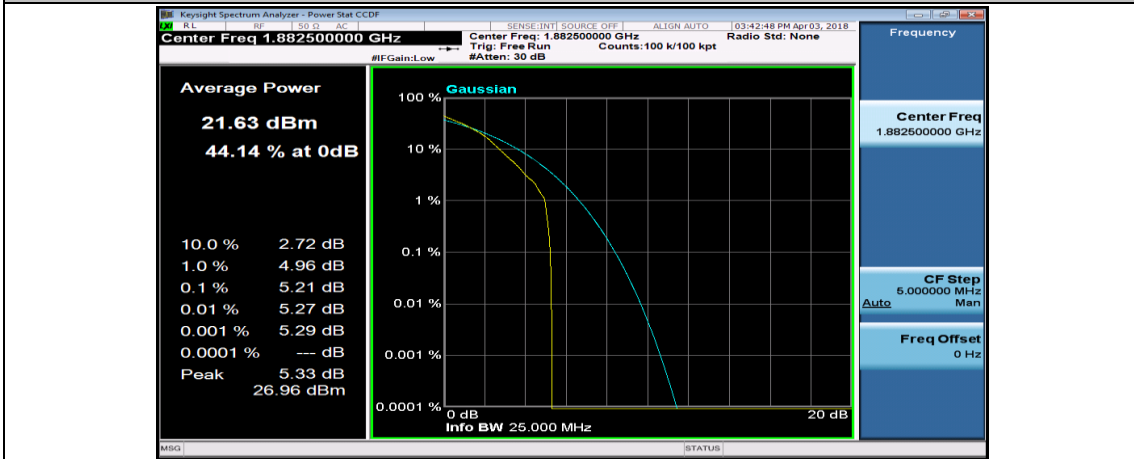
Channel Bandwidth: 20 MHz



(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#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 (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0759	1.201	PASS
	MCH	6	0	1.0764	1.196	PASS
	HCH	6	0	1.0764	1.218	PASS
16QAM	LCH	6	0	1.0765	1.201	PASS
	MCH	6	0	1.0774	1.214	PASS
	HCH	6	0	1.0773	1.201	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6868	2.935	PASS
	MCH	15	0	2.6866	2.913	PASS
	HCH	15	0	2.6905	2.940	PASS
16QAM	LCH	15	0	2.6819	2.899	PASS
	MCH	15	0	2.6828	2.891	PASS
	HCH	15	0	2.6856	2.907	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4724	4.814	PASS
	MCH	25	0	4.4760	4.813	PASS
	HCH	25	0	4.4770	4.754	PASS



16QAM	LCH	25	0	4.4837	4.829	PASS
	MCH	25	0	4.4799	4.816	PASS
	HCH	25	0	4.4862	4.808	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9311	9.459	PASS
	MCH	50	0	8.9332	9.386	PASS
	HCH	50	0	8.9142	9.422	PASS
16QAM	LCH	50	0	8.9315	9.484	PASS
	MCH	50	0	8.9445	9.425	PASS
	HCH	50	0	8.9234	9.440	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.422	14.07	PASS
	MCH	75	0	13.412	14.08	PASS
	HCH	75	0	13.373	13.99	PASS
16QAM	LCH	75	0	13.407	14.03	PASS
	MCH	75	0	13.415	14.07	PASS
	HCH	75	0	13.367	13.98	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			

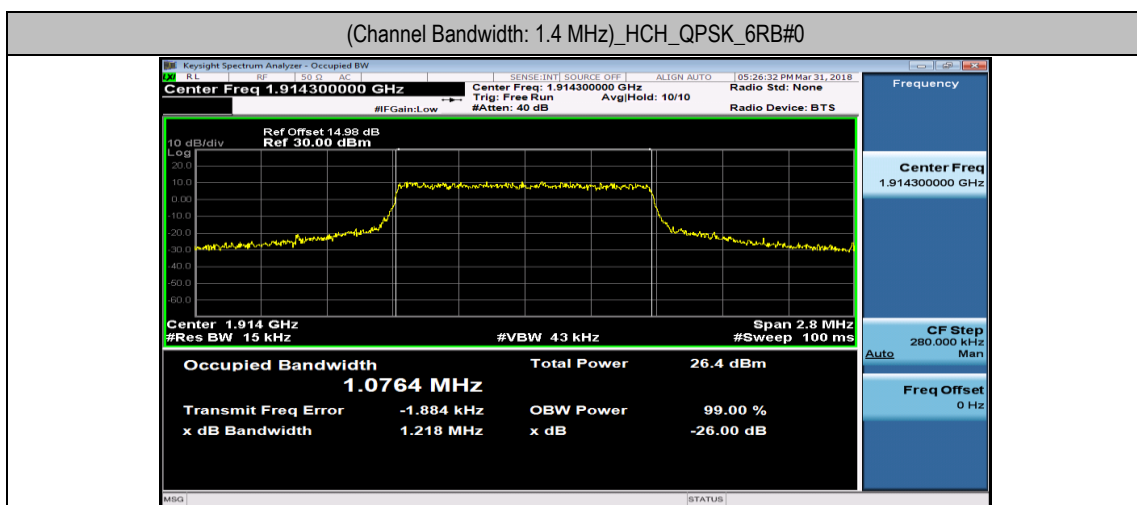
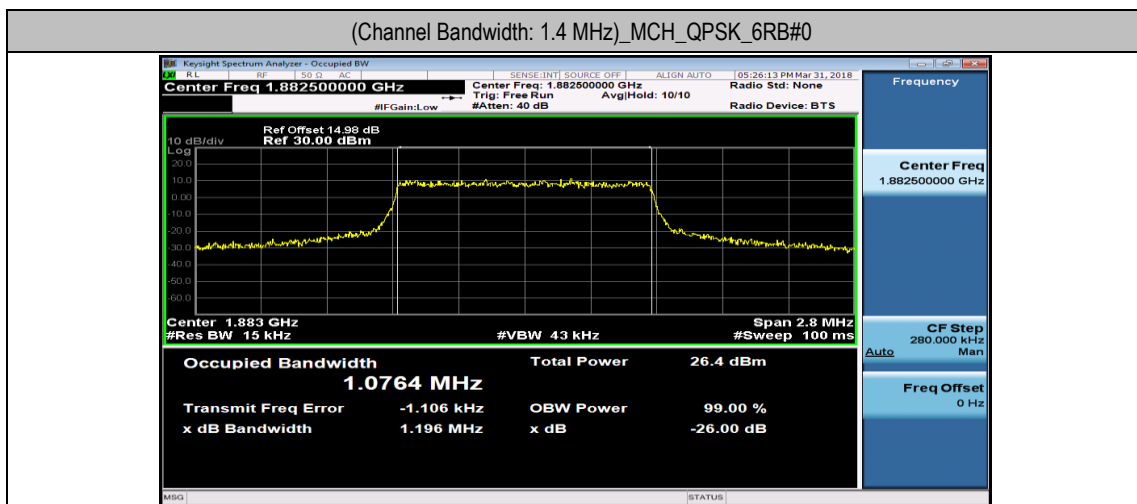
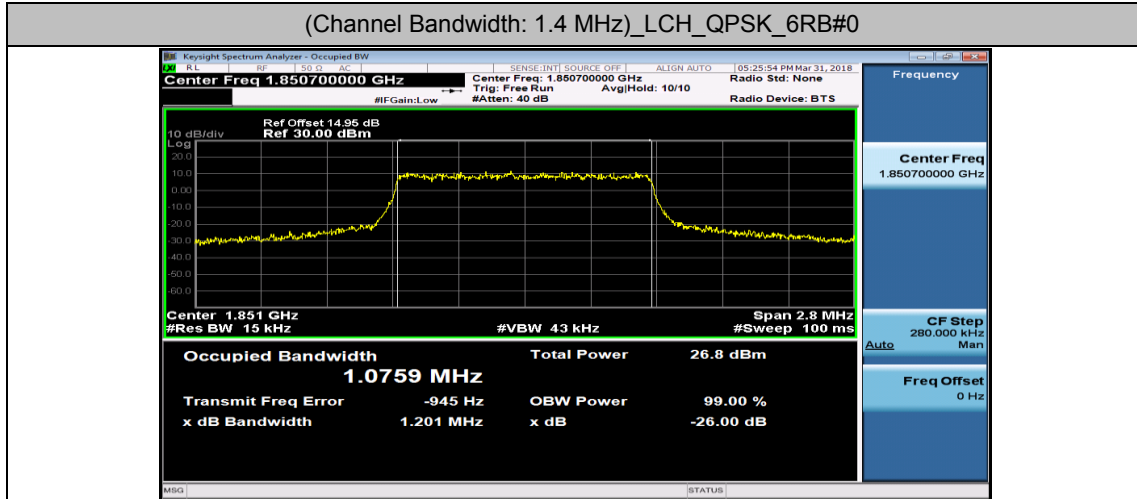


QPSK	LCH	100	0	17.836	18.65	PASS
	MCH	100	0	17.838	18.67	PASS
	HCH	100	0	17.770	18.58	PASS
16QAM	LCH	100	0	17.847	18.69	PASS
	MCH	100	0	17.854	18.70	PASS
	HCH	100	0	17.786	18.61	PASS



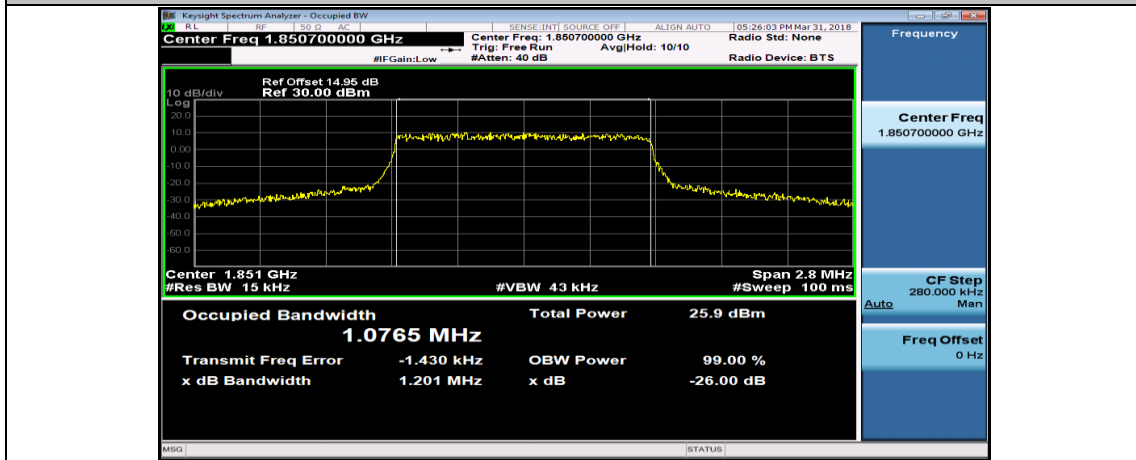
Test Graphs

Channel Bandwidth: 1.4 MHz

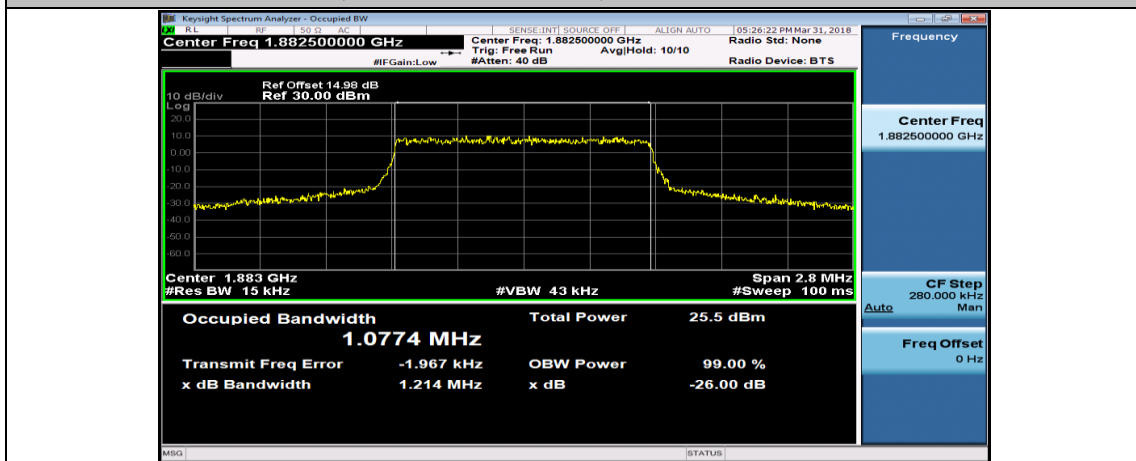




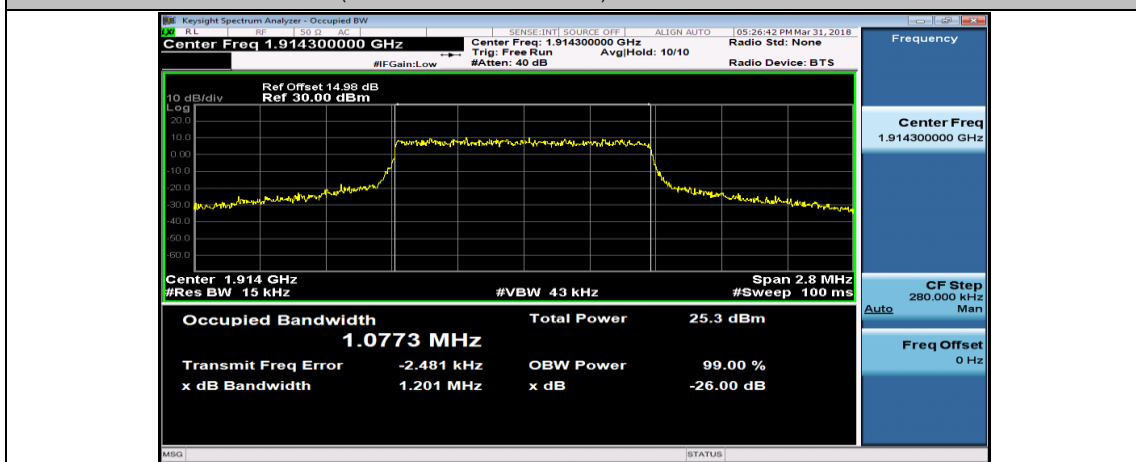
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

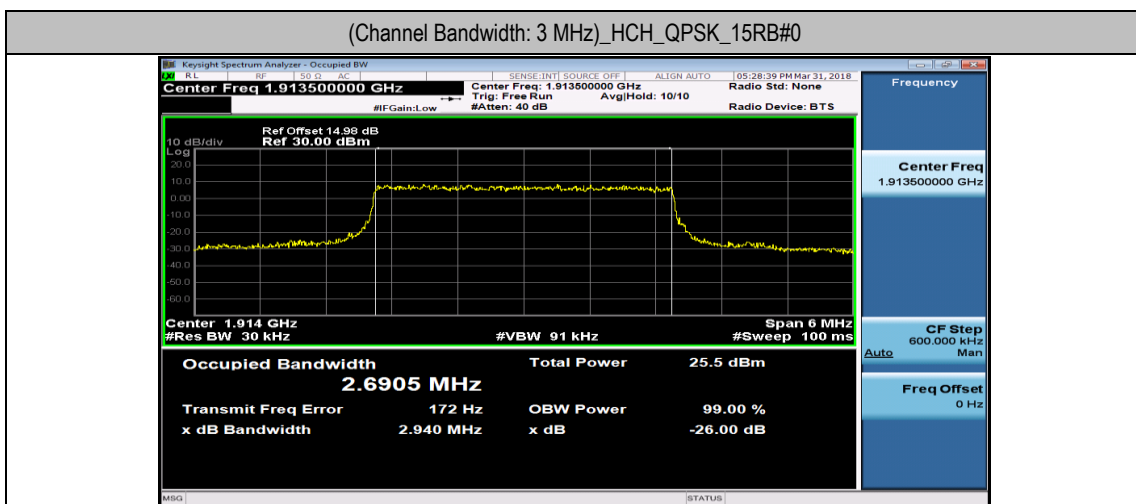
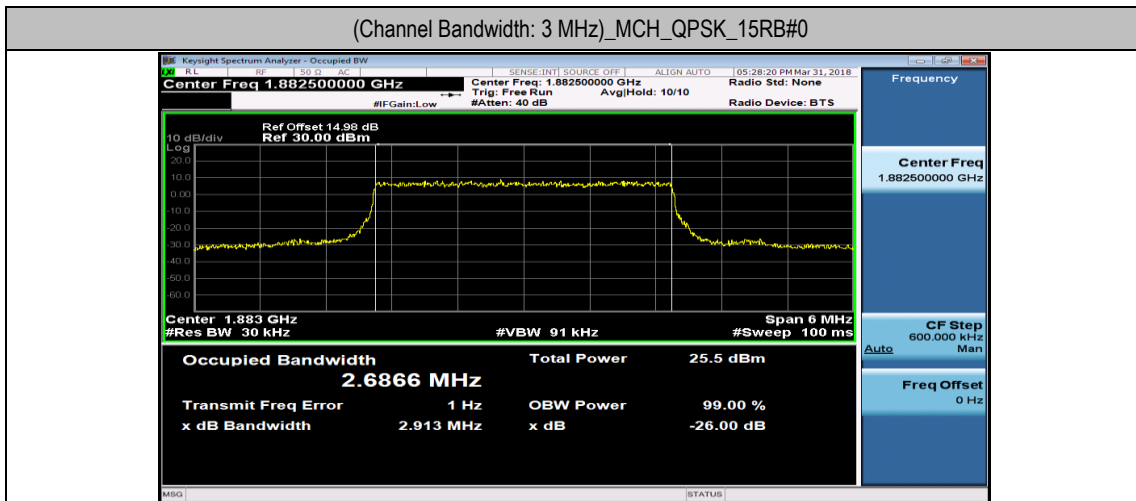
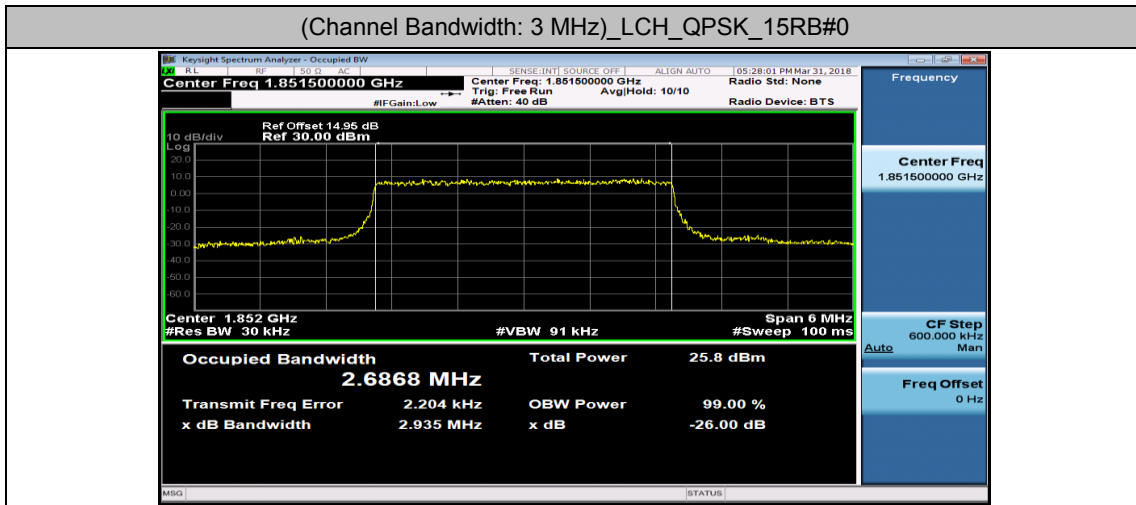


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



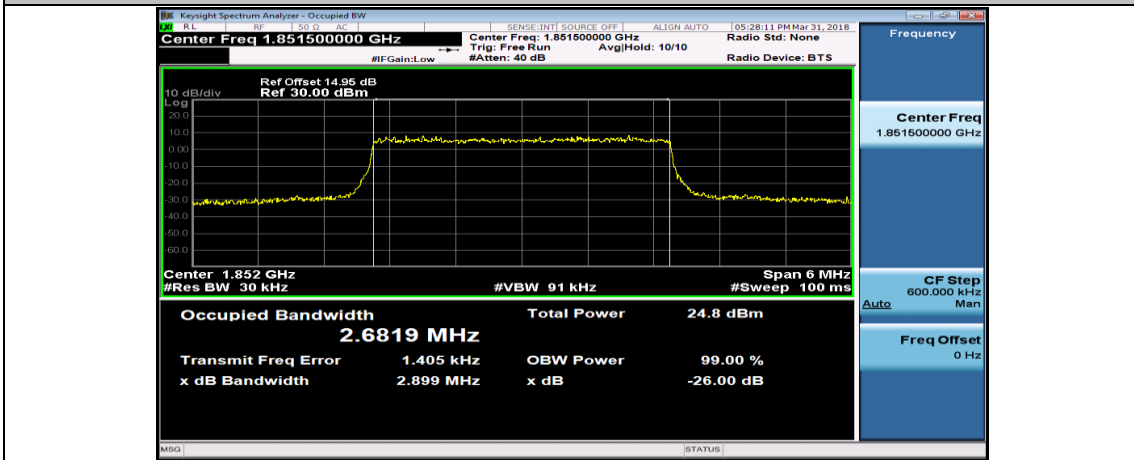


Channel Bandwidth: 3 MHz

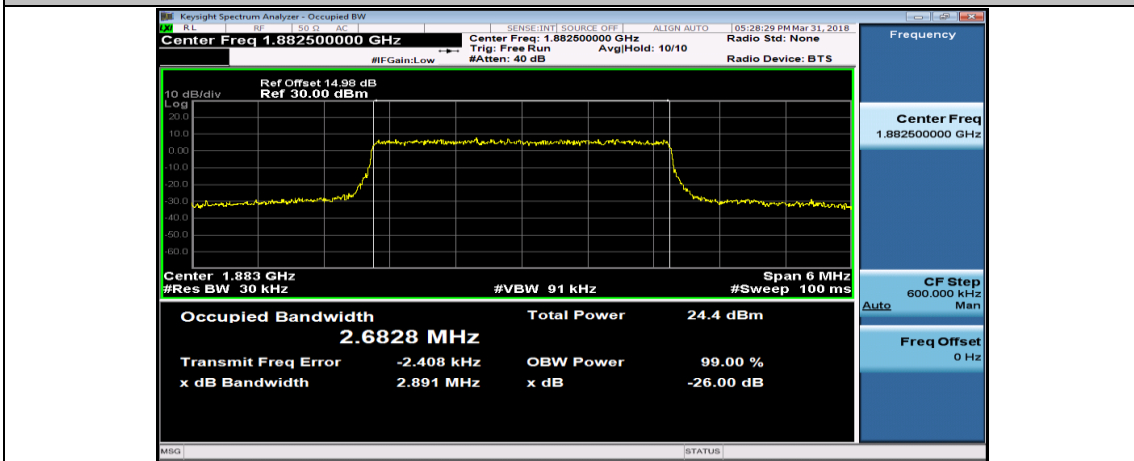




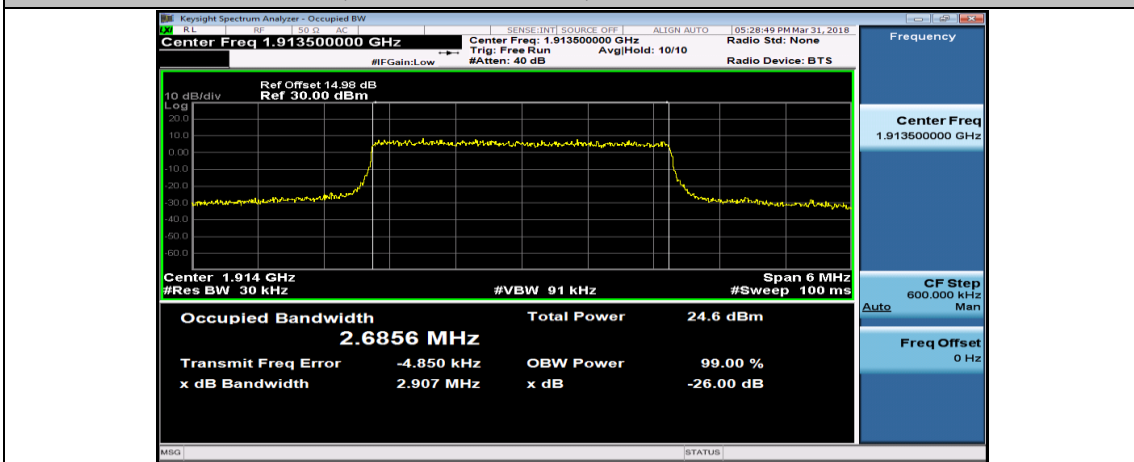
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



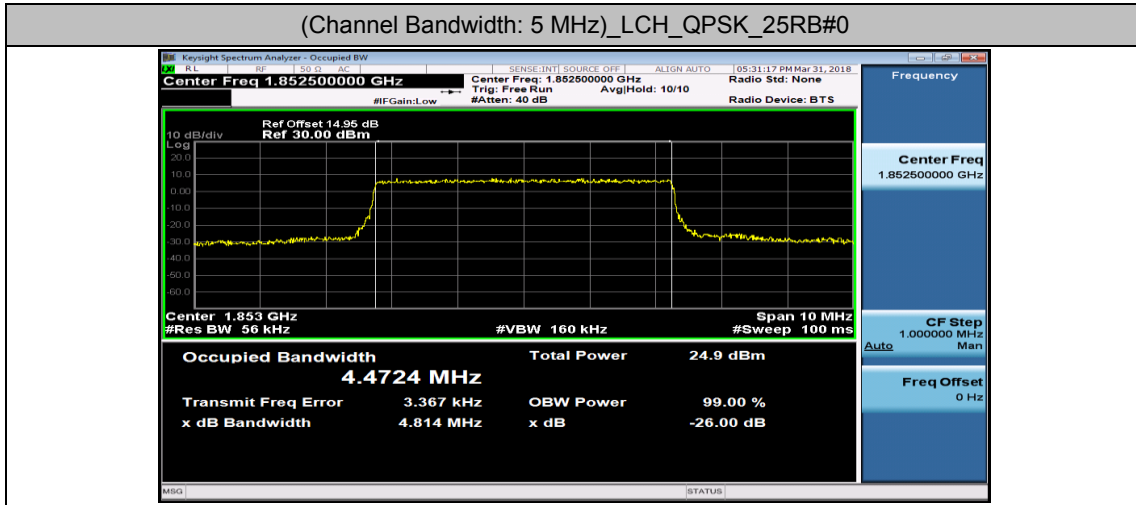
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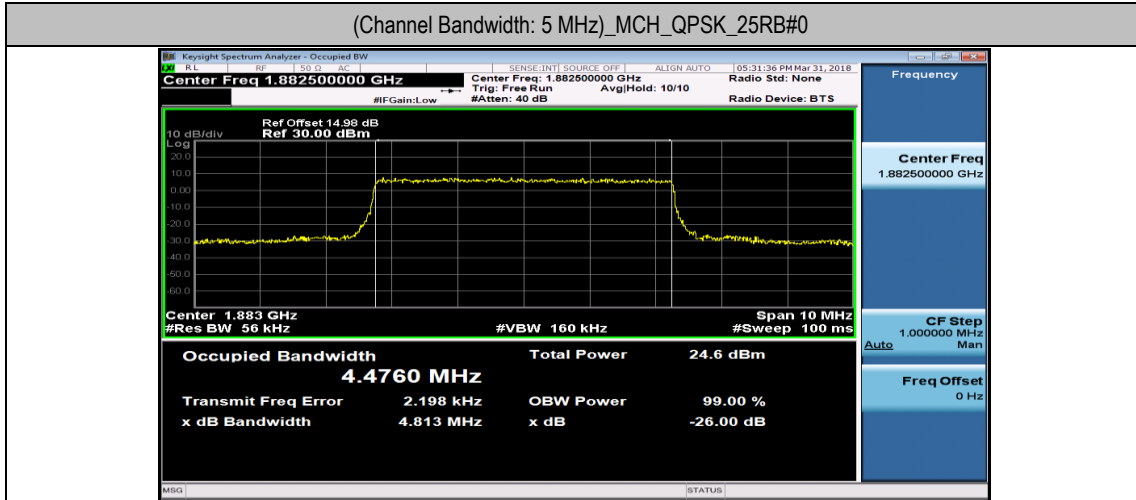


Channel Bandwidth: 5 MHz

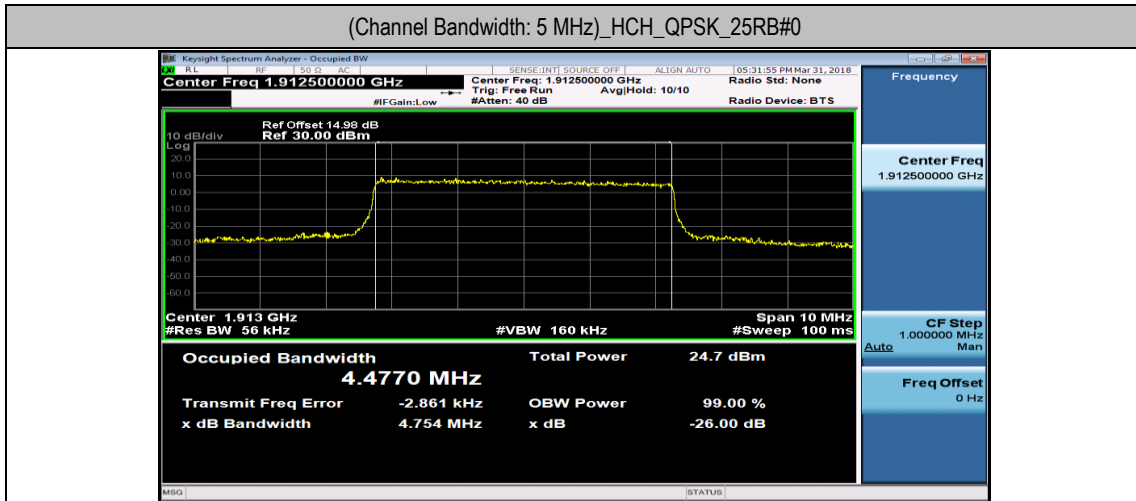
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

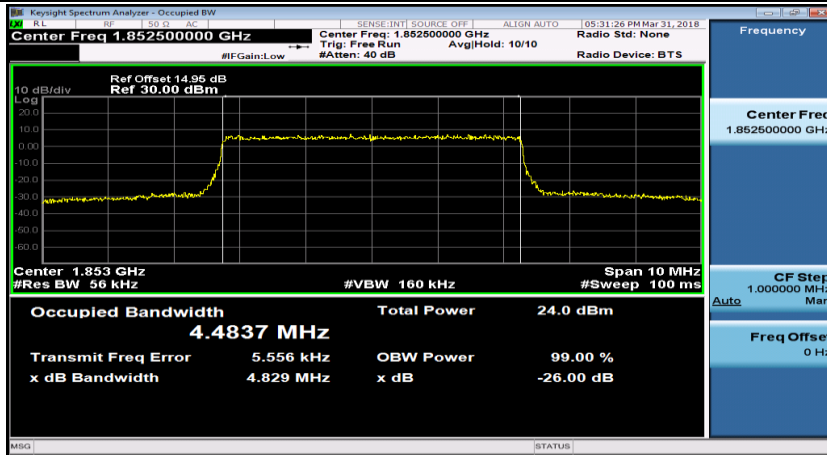


(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

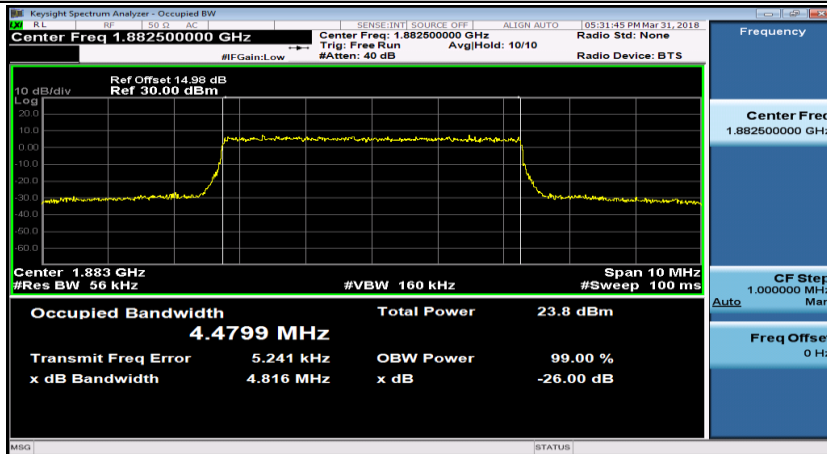




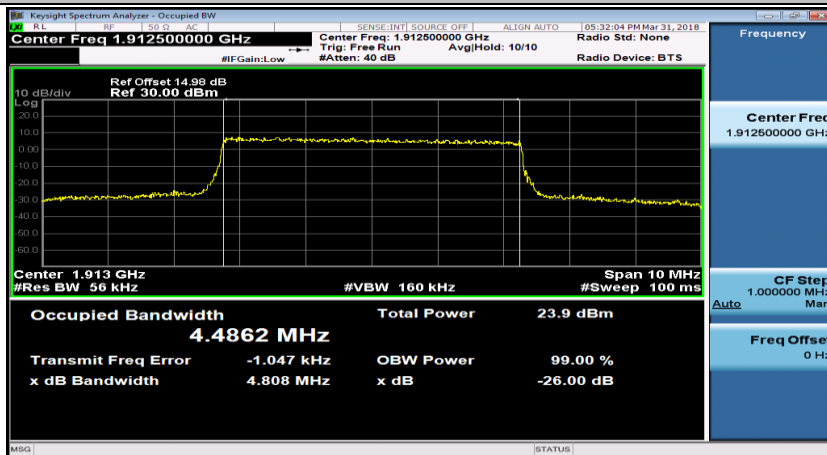
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

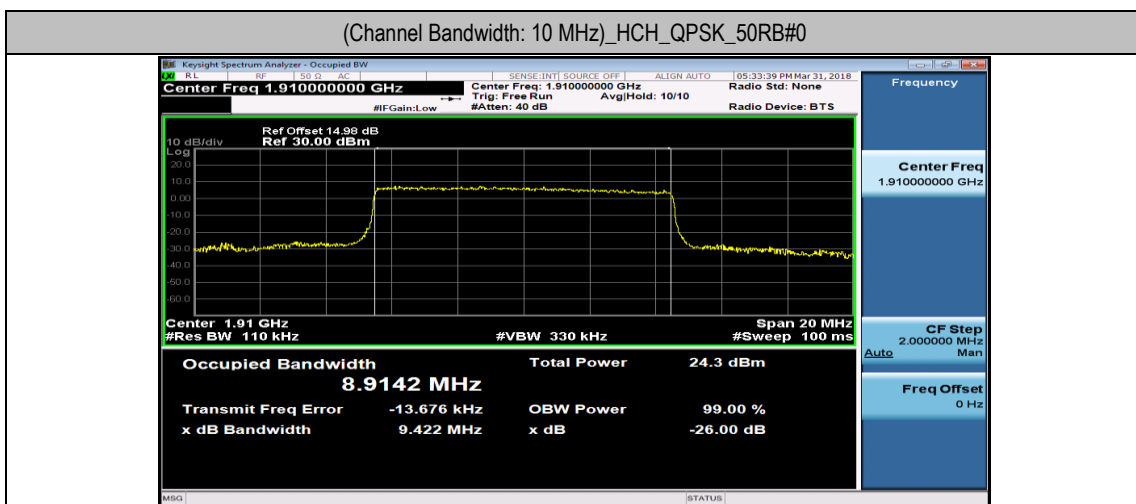
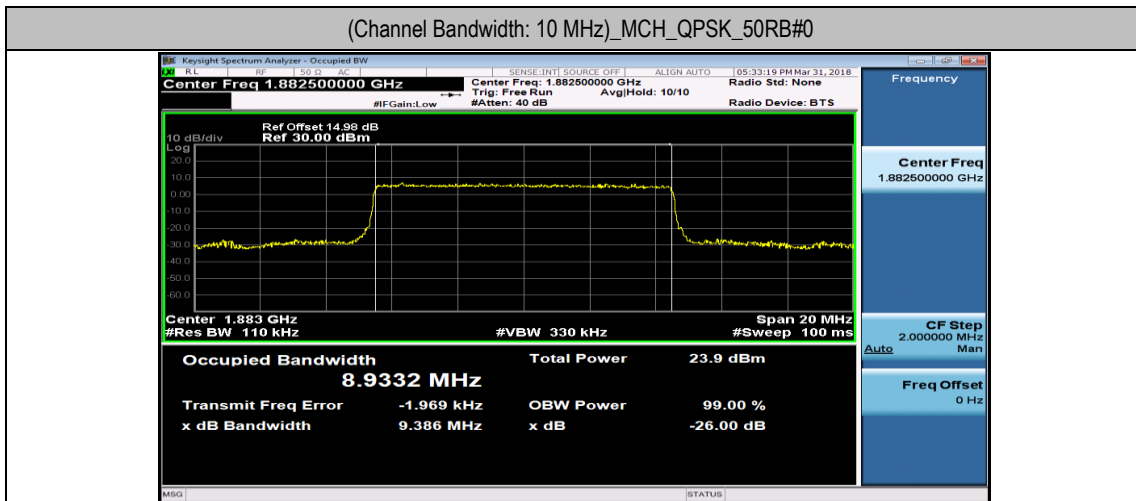
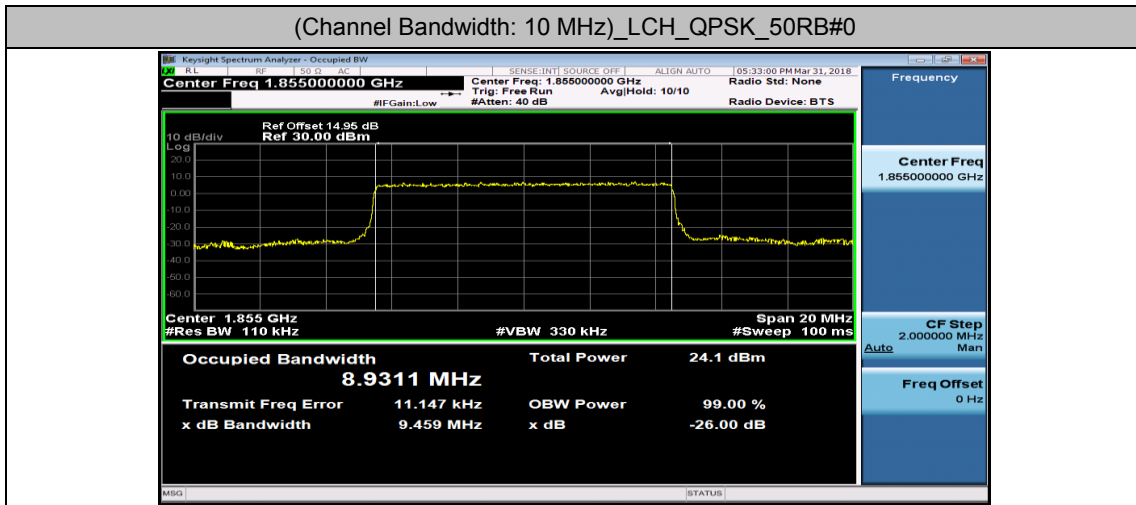


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



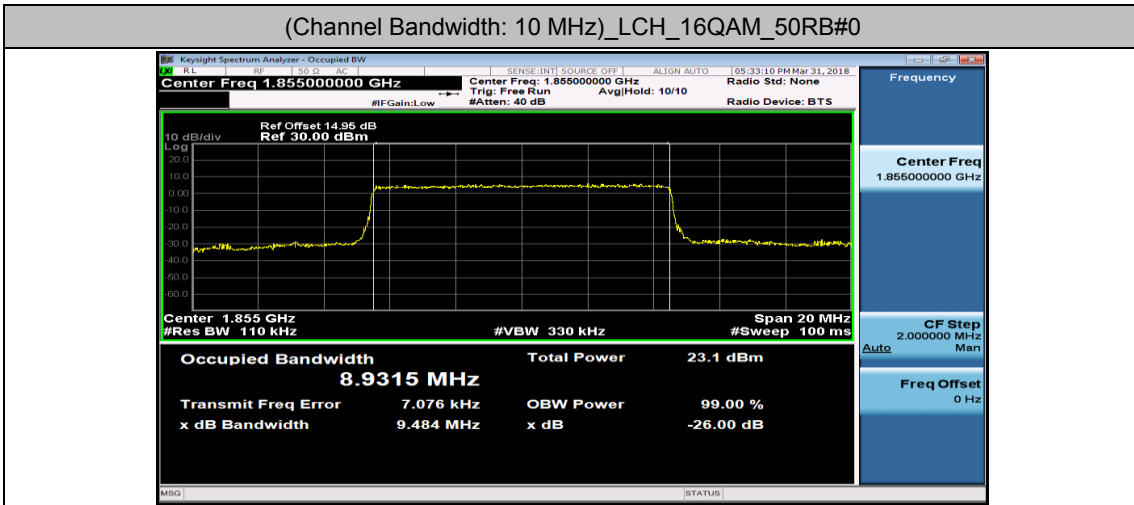


Channel Bandwidth: 10 MHz

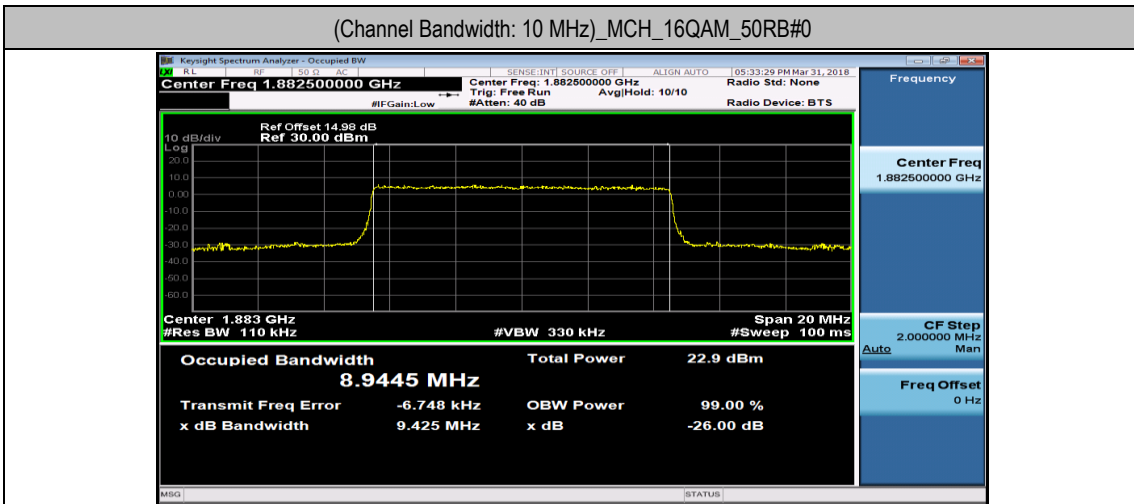




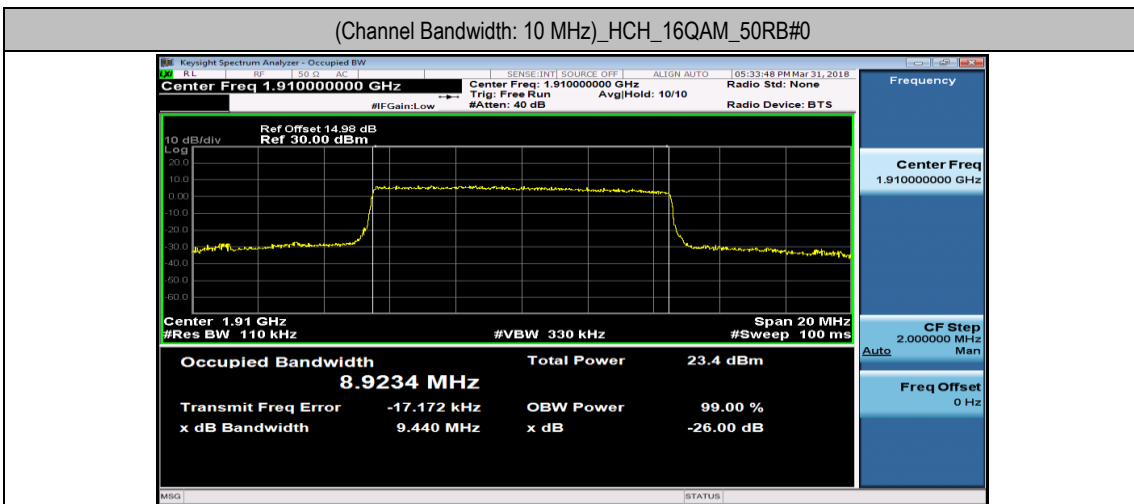
(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0

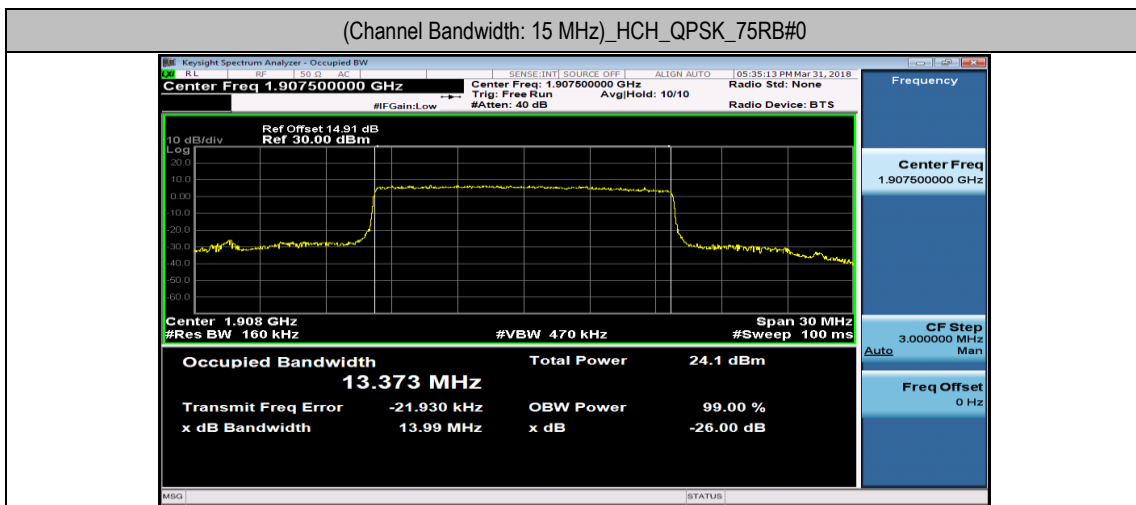
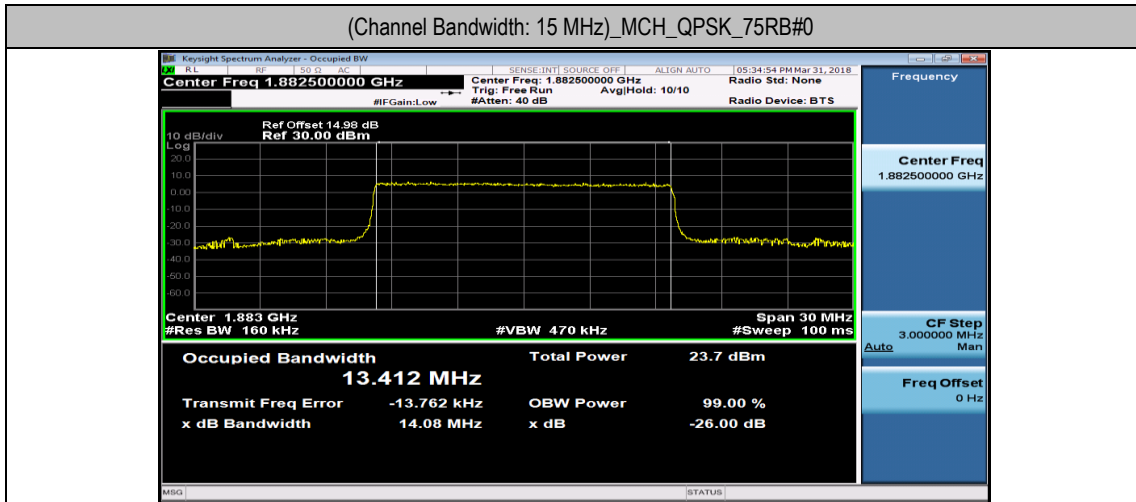
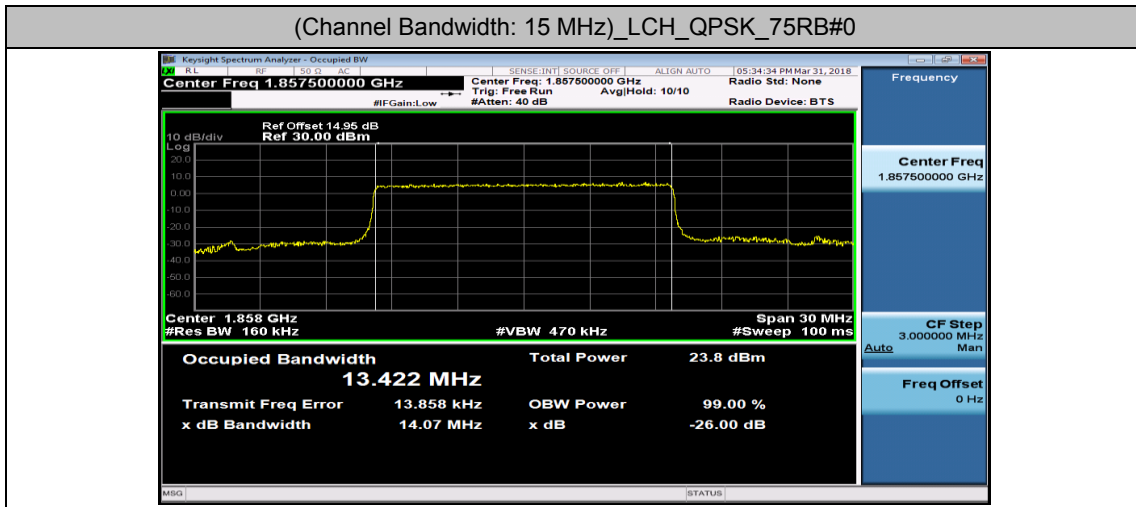


(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



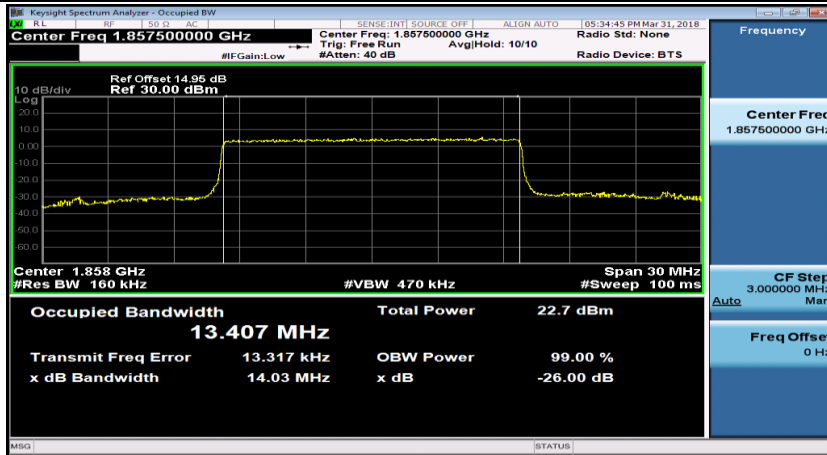


Channel Bandwidth: 15 MHz

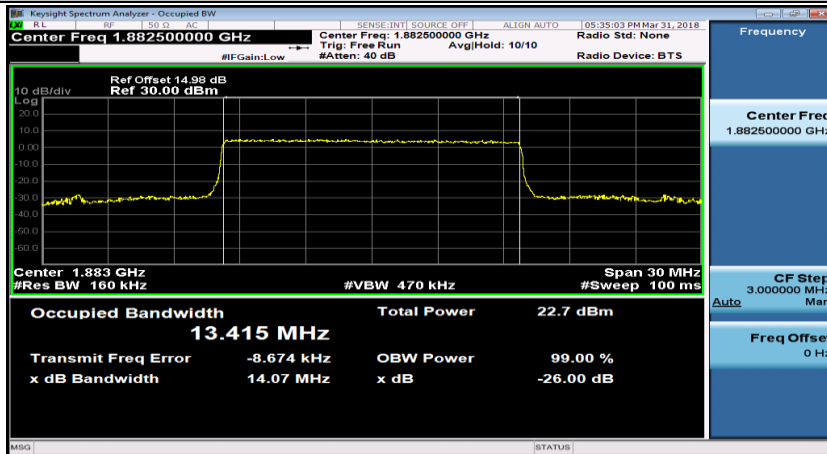




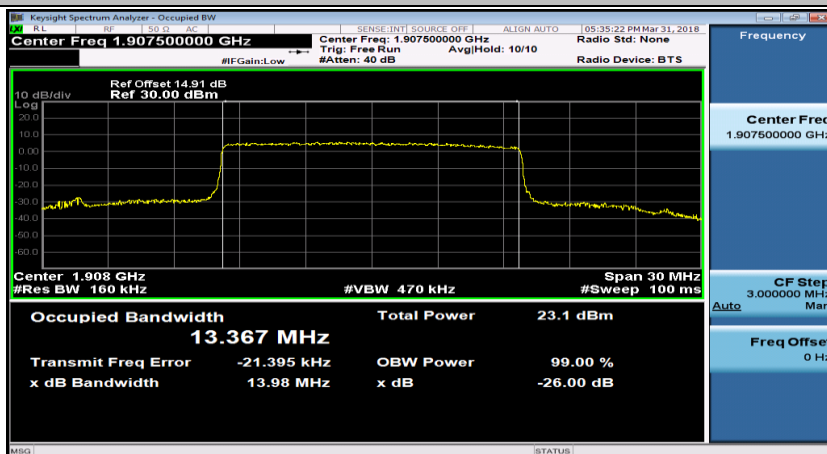
(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_16QAM_75RB#0

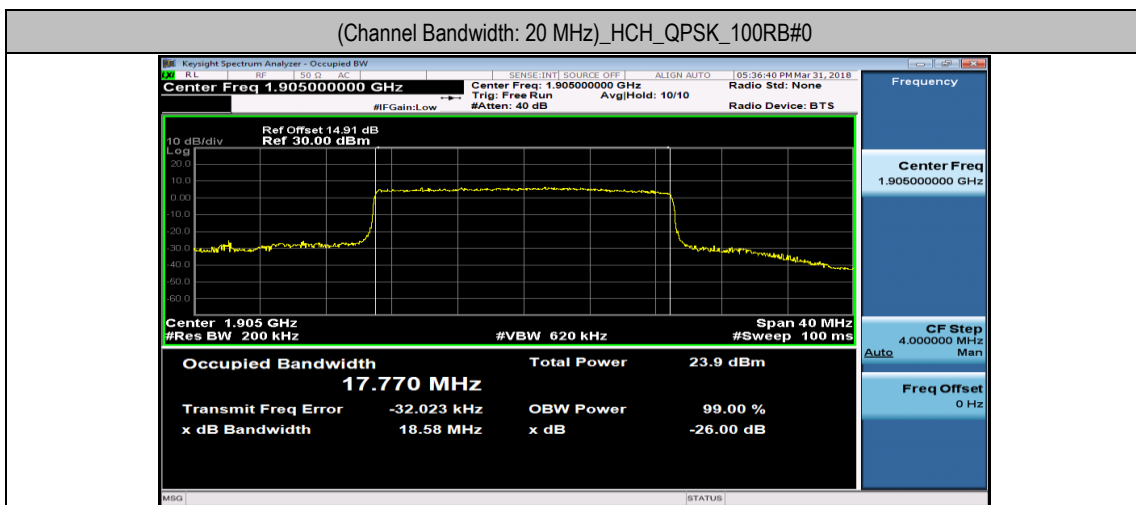
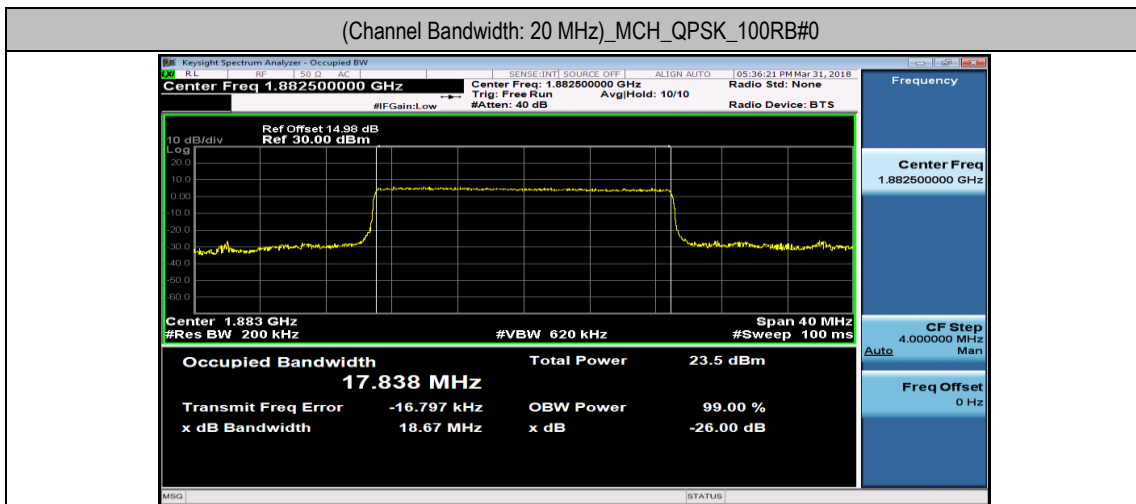
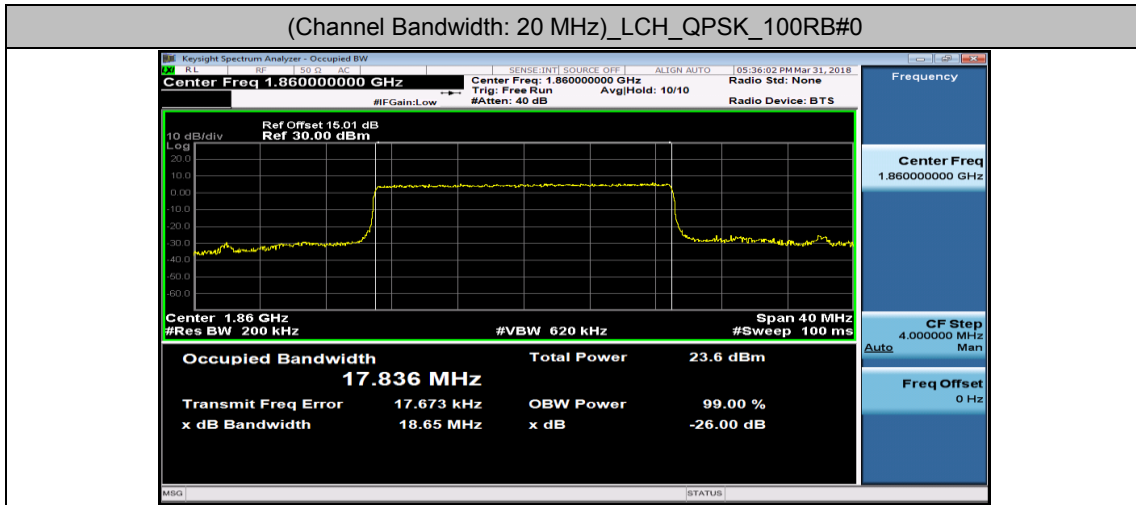


(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0



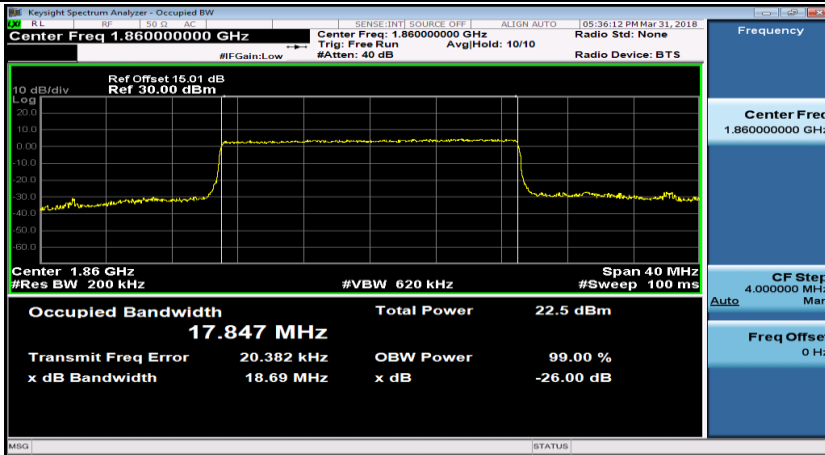


Channel Bandwidth: 20 MHz

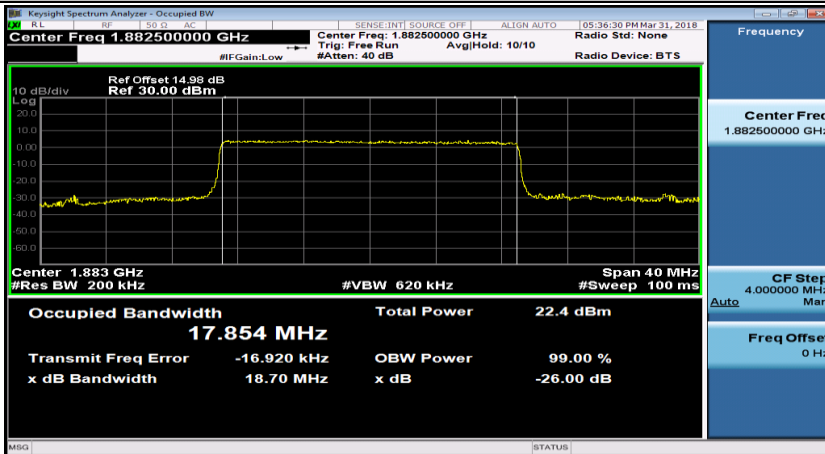




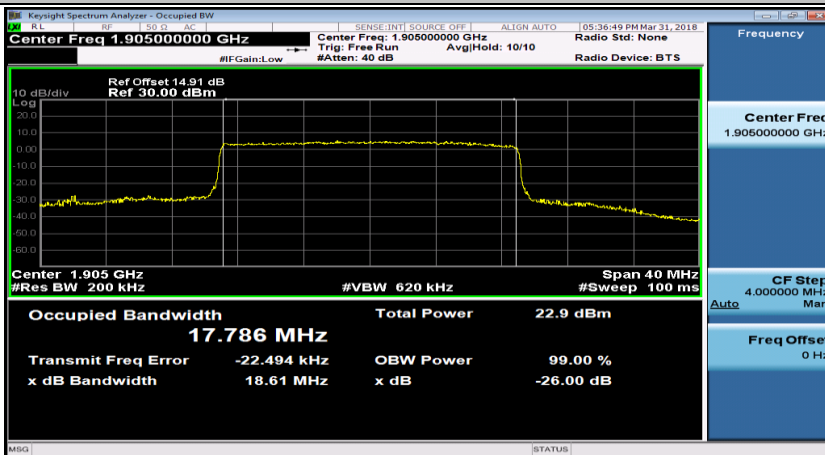
(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_MCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0





Appendix D: Band Edge

Test Graphs

Channel Bandwidth: 1.4 MHz

