



## Appendix A: Average Output Power Data

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.7	PASS
		1	12	21.82	PASS
		1	24	21.98	PASS
		12	0	20.85	PASS
		12	6	20.98	PASS
		12	13	20.84	PASS
		25	0	20.9	PASS
	MCH	1	0	21.78	PASS
		1	12	21.8	PASS
		1	24	21.86	PASS
		12	0	20.83	PASS
		12	6	20.85	PASS
		12	13	20.76	PASS
		25	0	20.79	PASS
	HCH	1	0	21.66	PASS
		1	12	21.63	PASS
		1	24	21.65	PASS
		12	0	20.72	PASS
		12	6	20.73	PASS
		12	13	20.66	PASS
		25	0	20.68	PASS
16QAM	LCH	1	0	21.12	PASS
		1	12	21.11	PASS
		1	24	21.08	PASS
		12	0	19.81	PASS
		12	6	19.93	PASS
		12	13	19.84	PASS
		25	0	19.91	PASS
	MCH	1	0	21.17	PASS
		1	12	21.06	PASS
1		24	21.14	PASS	



		12	0	19.86	PASS
		12	6	19.85	PASS
		12	13	19.77	PASS
		25	0	19.77	PASS
	HCH	1	0	20.99	PASS
		1	12	21	PASS
		1	24	20.92	PASS
		12	0	19.72	PASS
		12	6	19.74	PASS
		12	13	19.67	PASS
		25	0	19.66	PASS

### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.93	PASS
		1	24	21.99	PASS
		1	49	21.87	PASS
		25	0	20.93	PASS
		25	12	20.94	PASS
		25	25	20.97	PASS
		50	0	20.93	PASS
	MCH	1	0	21.94	PASS
		1	24	21.82	PASS
		1	49	21.87	PASS
		25	0	20.76	PASS
		25	12	20.8	PASS
		25	25	20.84	PASS
		50	0	20.81	PASS
	HCH	1	0	21.76	PASS
		1	24	21.63	PASS
		1	49	21.69	PASS
		25	0	20.78	PASS
		25	12	20.73	PASS
		25	25	20.66	PASS
		50	0	20.62	PASS
16QAM	LCH	1	0	20.94	PASS
		1	24	21.19	PASS
		1	49	20.87	PASS
		25	0	19.91	PASS



		25	12	19.94	PASS
		25	25	19.98	PASS
		50	0	19.97	PASS
	MCH	1	0	21.05	PASS
		1	24	21.1	PASS
		1	49	20.95	PASS
		25	0	19.72	PASS
		25	12	19.81	PASS
		25	25	19.79	PASS
		50	0	19.82	PASS
		HCH	1	0	20.97
	1		24	20.98	PASS
	1		49	20.88	PASS
	25		0	19.72	PASS
	25		12	19.68	PASS
	25		25	19.7	PASS
	50		0	19.72	PASS

### Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.82	PASS
		1	37	21.97	PASS
		1	74	21.74	PASS
		36	0	20.75	PASS
		36	19	20.91	PASS
		36	39	20.81	PASS
		75	0	20.86	PASS
	MCH	1	0	21.74	PASS
		1	37	21.85	PASS
		1	74	21.7	PASS
		36	0	20.83	PASS
		36	19	20.88	PASS
		36	39	20.79	PASS
		75	0	20.86	PASS
	HCH	1	0	21.74	PASS
		1	37	21.88	PASS
		1	74	21.66	PASS
		36	0	20.89	PASS
		36	19	20.9	PASS



		36	39	20.8	PASS
		75	0	20.87	PASS
16QAM	LCH	1	0	20.9	PASS
		1	37	20.98	PASS
		1	74	20.91	PASS
		36	0	19.79	PASS
		36	19	19.95	PASS
		36	39	19.81	PASS
		75	0	19.85	PASS
		MCH	1	0	21.04
	1		37	21.01	PASS
	1		74	21.03	PASS
	36		0	19.79	PASS
	36		19	19.87	PASS
	36		39	19.8	PASS
	75		0	19.8	PASS
	HCH	1	0	21.08	PASS
		1	37	20.82	PASS
		1	74	20.9	PASS
		36	0	19.88	PASS
		36	19	19.9	PASS
		36	39	19.81	PASS
		75	0	19.86	PASS

### Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.62	PASS
		1	49	21.78	PASS
		1	99	21.65	PASS
		50	0	20.73	PASS
		50	25	20.75	PASS
		50	50	20.74	PASS
		100	0	20.79	PASS
	MCH	1	0	21.77	PASS
		1	49	21.87	PASS
		1	99	21.78	PASS
		50	0	20.82	PASS
		50	25	20.87	PASS
		50	50	20.74	PASS



		100	0	20.84	PASS
	HCH	1	0	21.71	PASS
		1	49	21.76	PASS
		1	99	21.66	PASS
		50	0	20.91	PASS
		50	25	20.81	PASS
		50	50	20.77	PASS
		100	0	20.82	PASS
16QAM	LCH	1	0	20.84	PASS
		1	49	21	PASS
		1	99	20.76	PASS
		50	0	19.82	PASS
		50	25	19.85	PASS
		50	50	19.77	PASS
		100	0	19.86	PASS
	MCH	1	0	21	PASS
		1	49	21.01	PASS
		1	99	20.82	PASS
		50	0	19.83	PASS
		50	25	19.88	PASS
		50	50	19.77	PASS
		100	0	19.86	PASS
	HCH	1	0	20.97	PASS
		1	49	21.01	PASS
		1	99	20.79	PASS
		50	0	19.85	PASS
		50	25	19.84	PASS
		50	50	19.77	PASS
		100	0	19.81	PASS



## Appendix B: Peak-to-Average Ratio

### Test Result

#### 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	4.13	<13	PASS
16QAM	MCH	1	0	4.83	<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	4.22	<13	PASS
16QAM	MCH	1	0	5.02	<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	4.12	<13	PASS
16QAM	MCH	1	0	4.98	<13	PASS

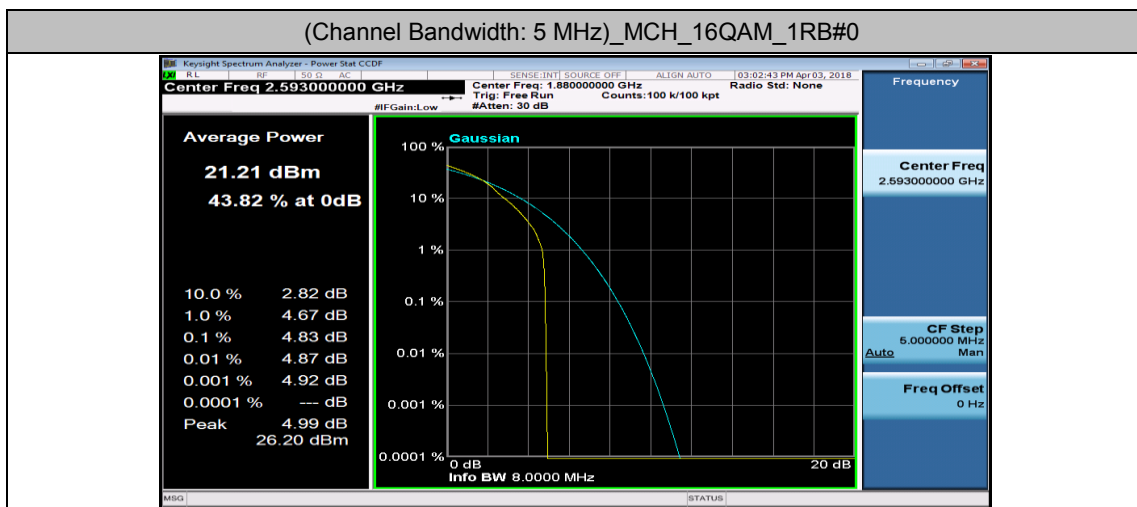
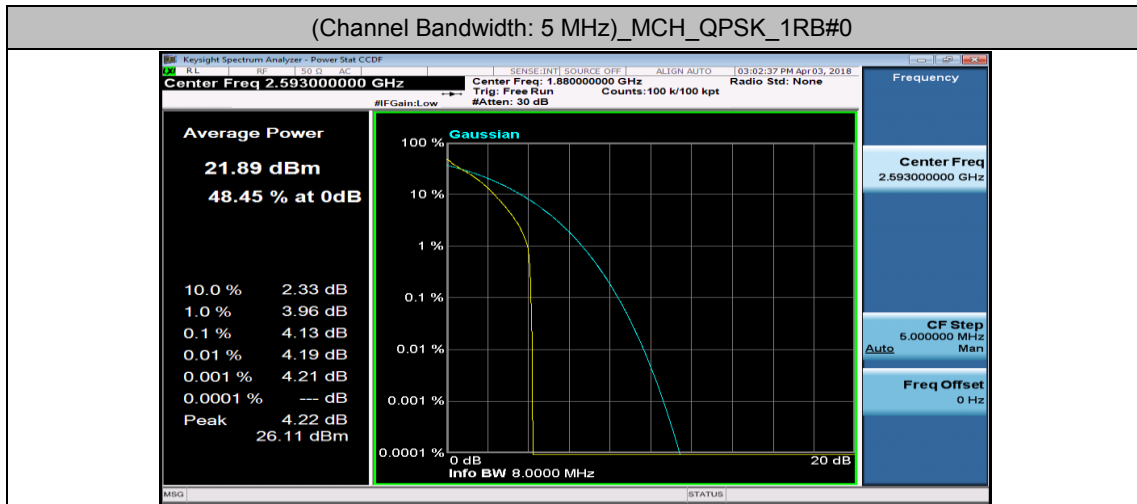
#### Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.16	<13	PASS
16QAM	MCH	1	0	4.84	<13	PASS

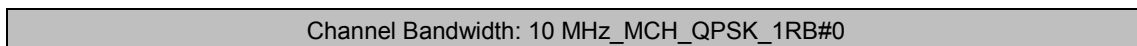


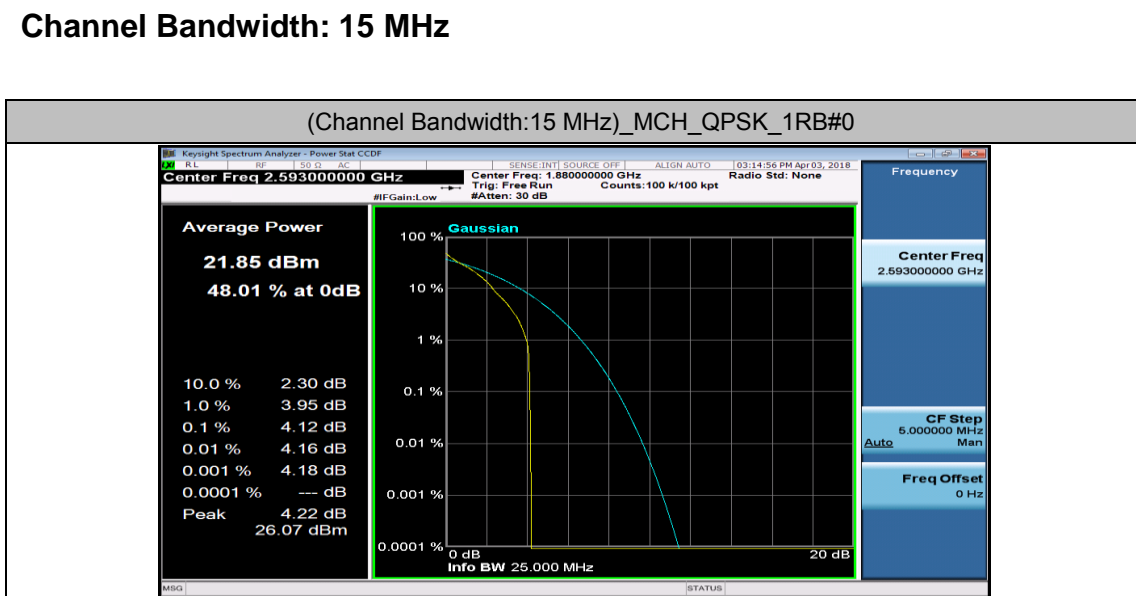
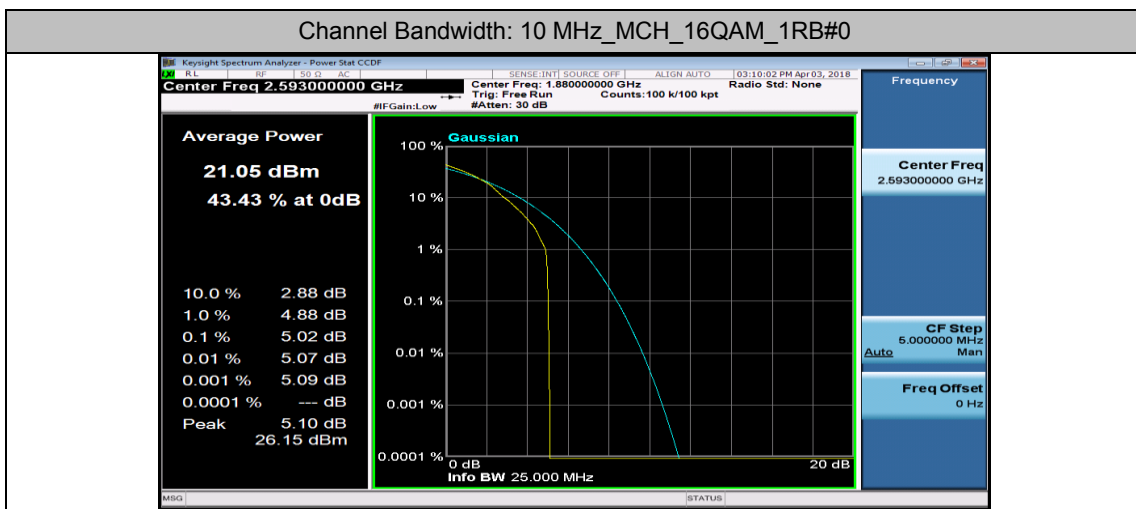
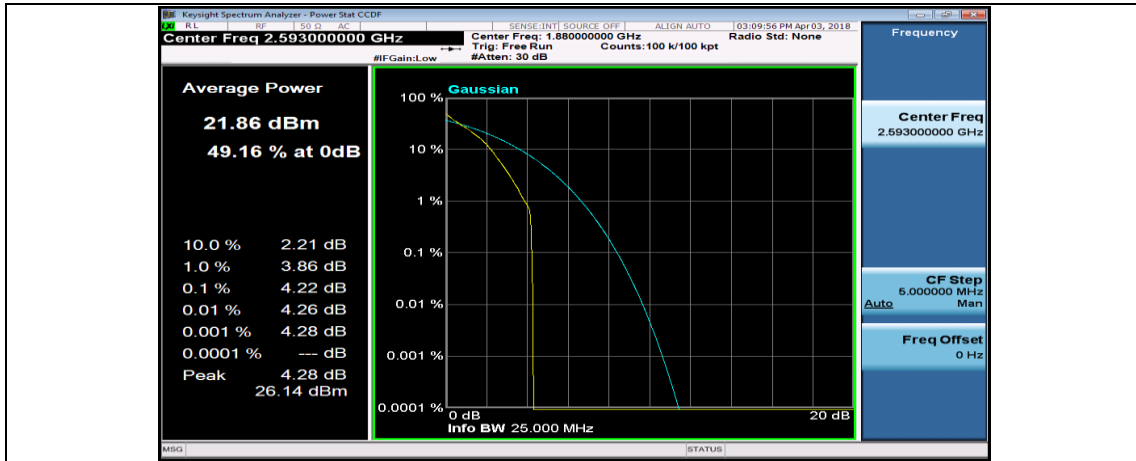
## Test Graphs

### Channel Bandwidth: 5 MHz



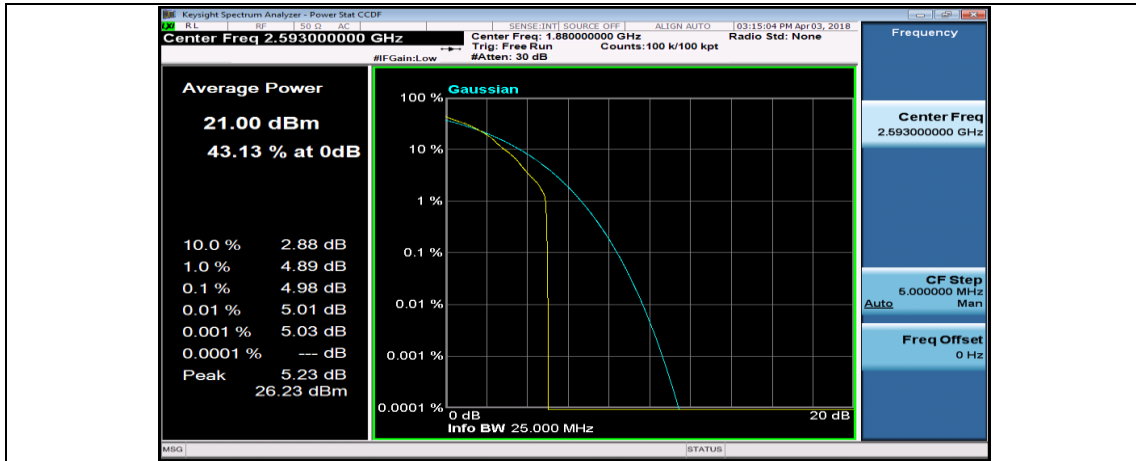
### Channel Bandwidth: 10 MHz



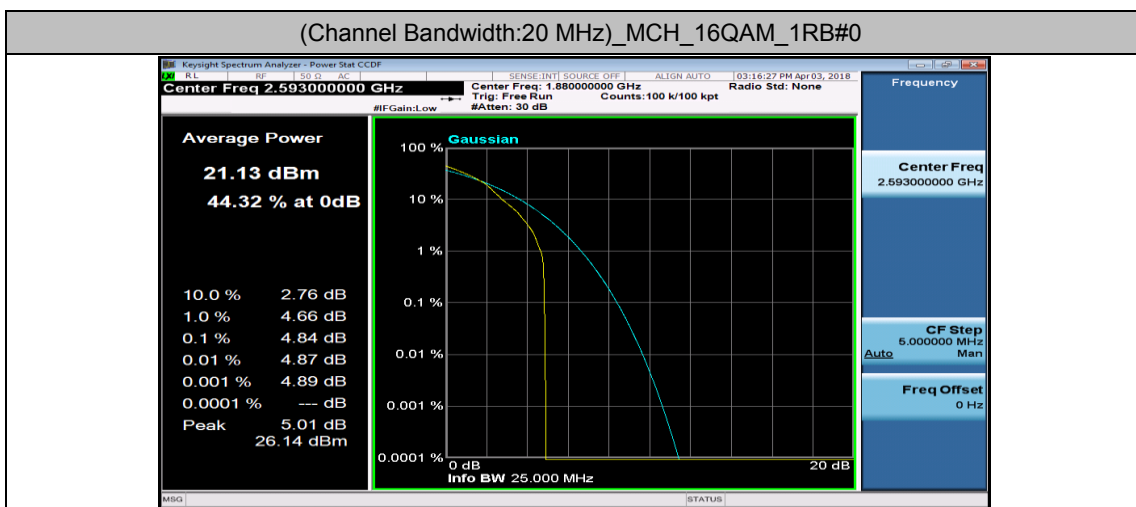
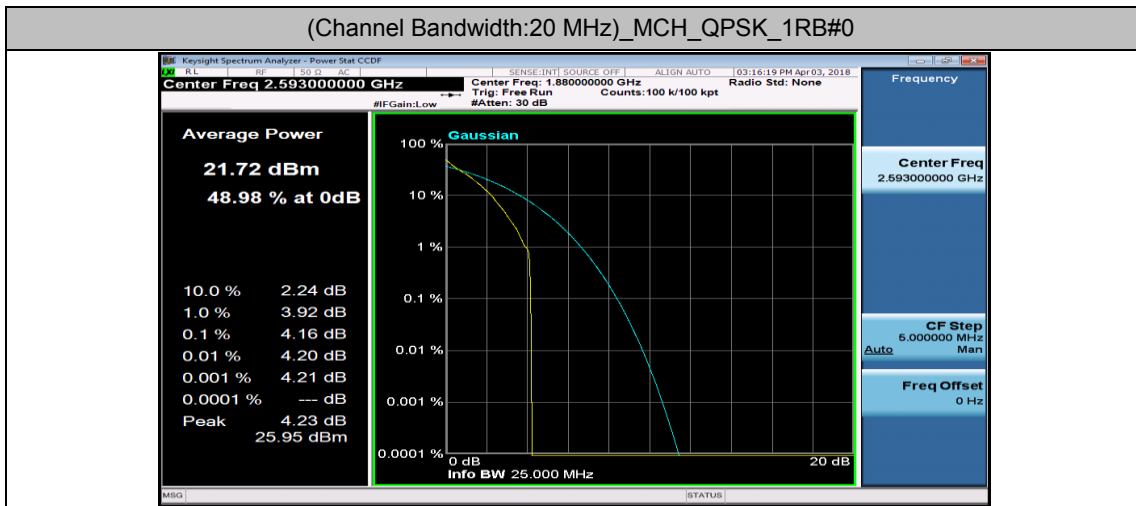


**(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0**





**Channel Bandwidth: 20 MHz**





## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

#### 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	4.4742	4.772	PASS
	MCH	25	0	4.4739	4.758	PASS
	HCH	25	0	4.4729	4.743	PASS
16QAM	LCH	25	0	4.4871	4.800	PASS
	MCH	25	0	4.4833	4.757	PASS
	HCH	25	0	4.4866	4.807	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	8.9305	9.337	PASS
	MCH	50	0	8.9161	9.385	PASS
	HCH	50	0	8.9270	9.337	PASS
16QAM	LCH	50	0	8.9387	9.400	PASS
	MCH	50	0	8.9365	9.393	PASS
	HCH	50	0	8.9289	9.354	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	13.417	14.12	PASS
	MCH	75	0	13.402	14.07	PASS
	HCH	75	0	13.405	14.08	PASS
16QAM	LCH	75	0	13.413	14.11	PASS
	MCH	75	0	13.404	14.12	PASS
	HCH	75	0	13.398	14.02	PASS

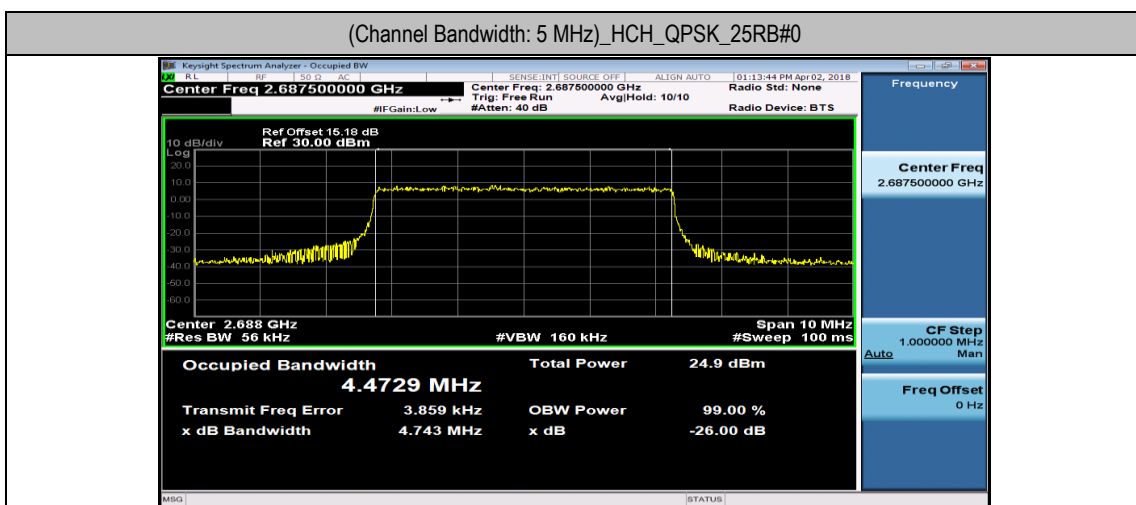
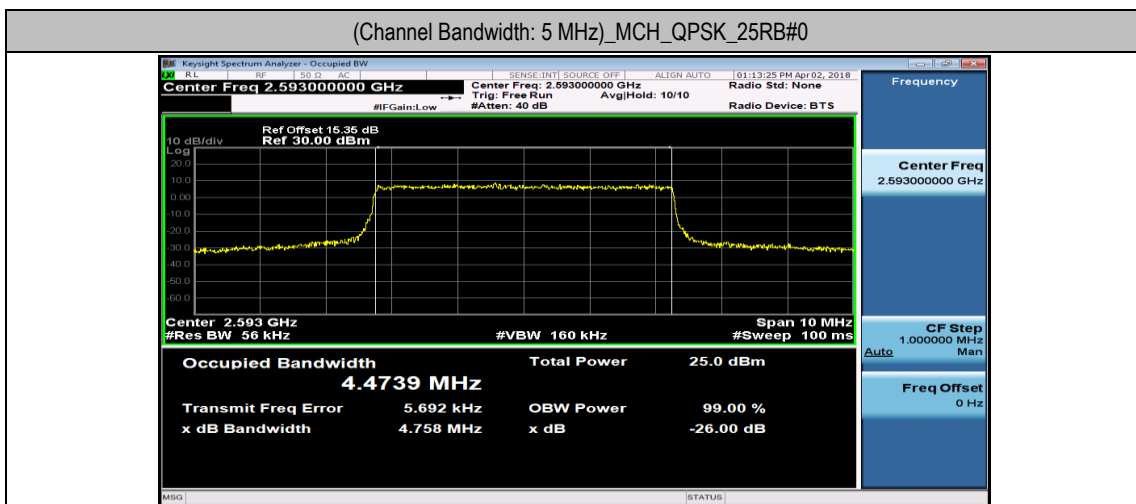
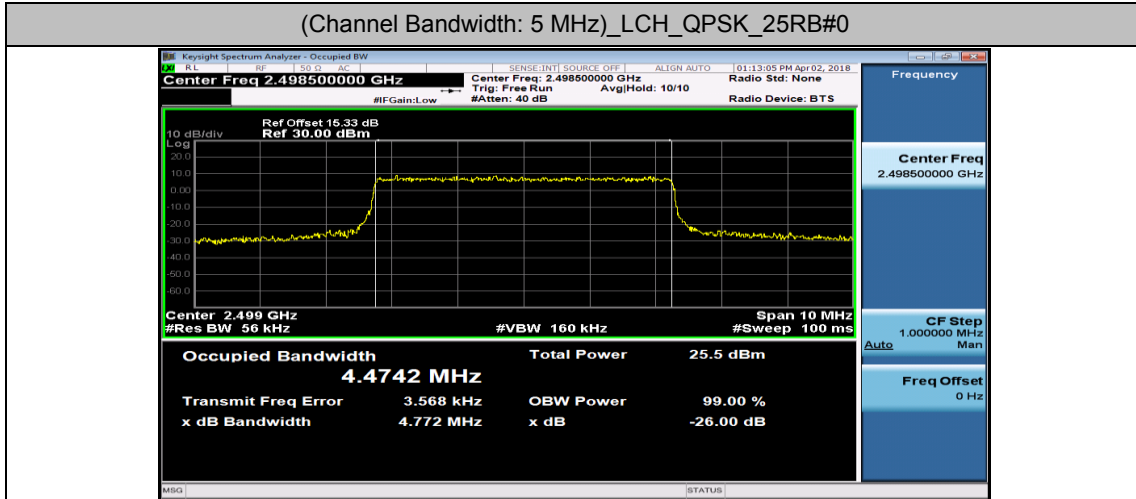
### Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.851	18.72	PASS
	MCH	100	0	17.846	18.73	PASS
	HCH	100	0	17.813	18.61	PASS
16QAM	LCH	100	0	17.854	18.63	PASS
	MCH	100	0	17.844	18.62	PASS
	HCH	100	0	17.835	18.61	PASS



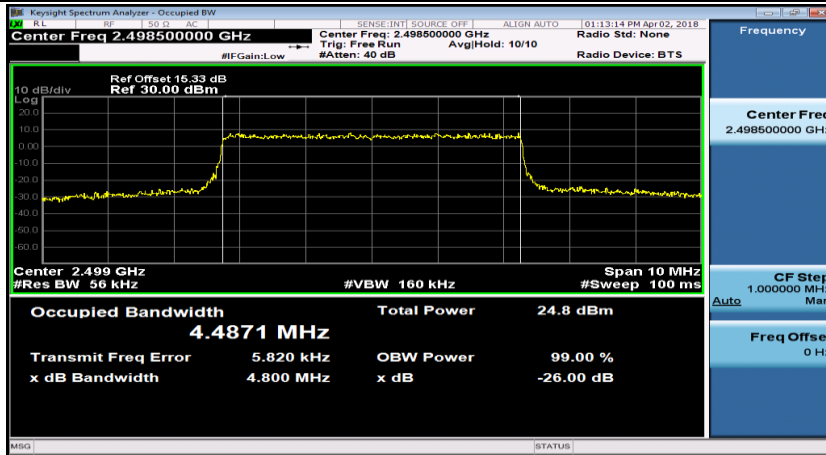
## Test Graphs

### Channel Bandwidth: 5 MHz

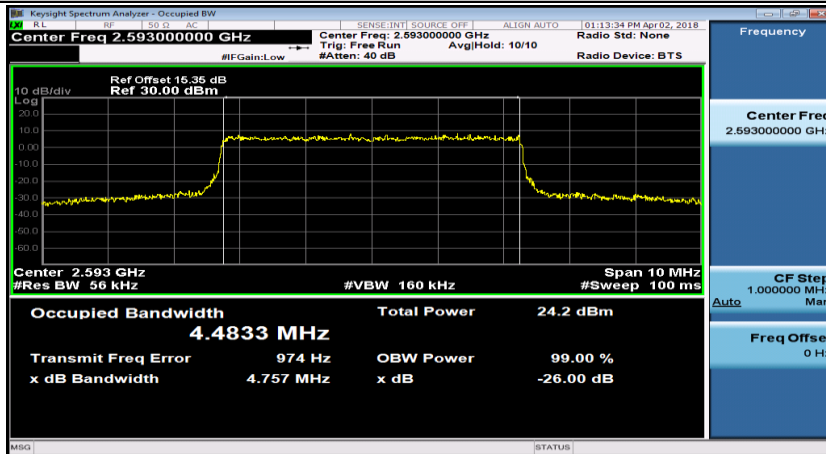




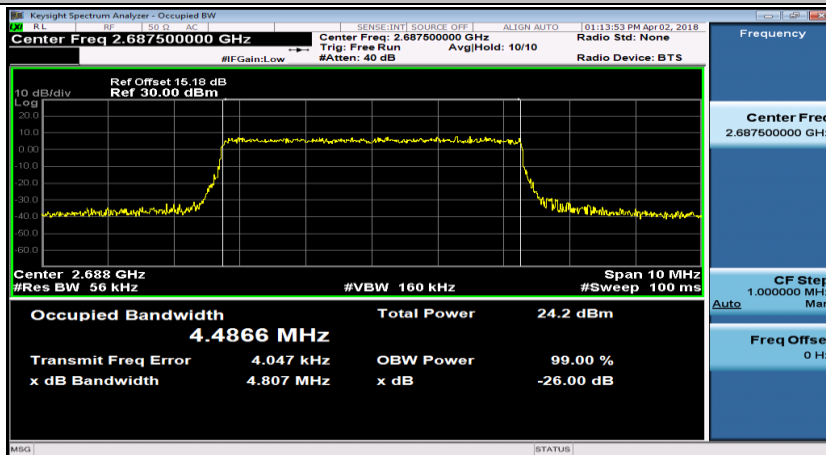
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0

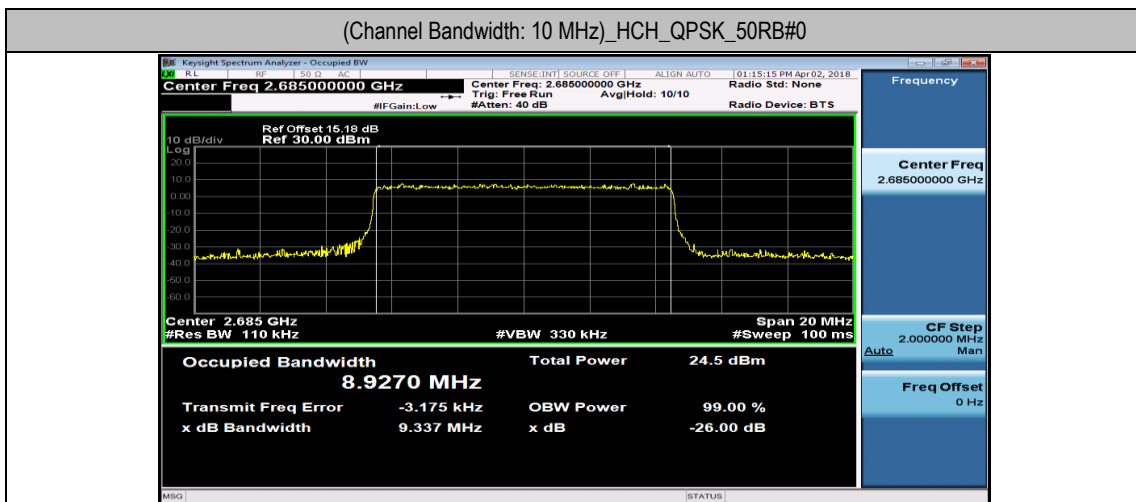
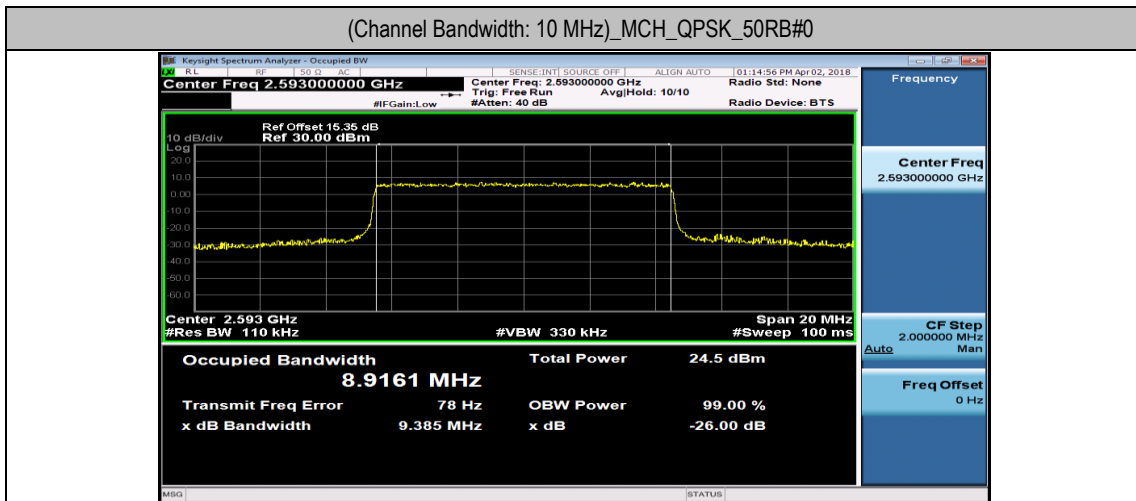
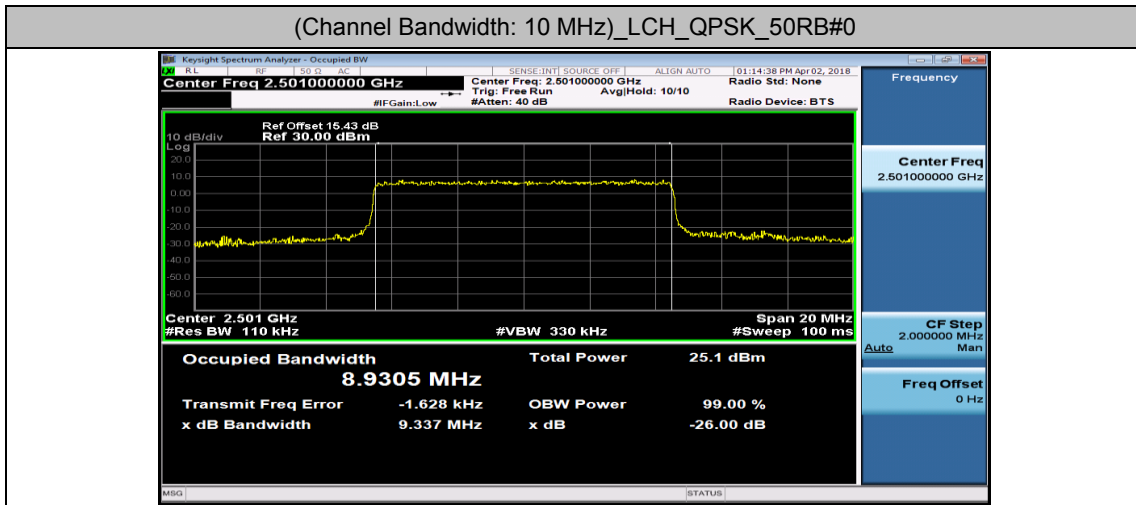


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



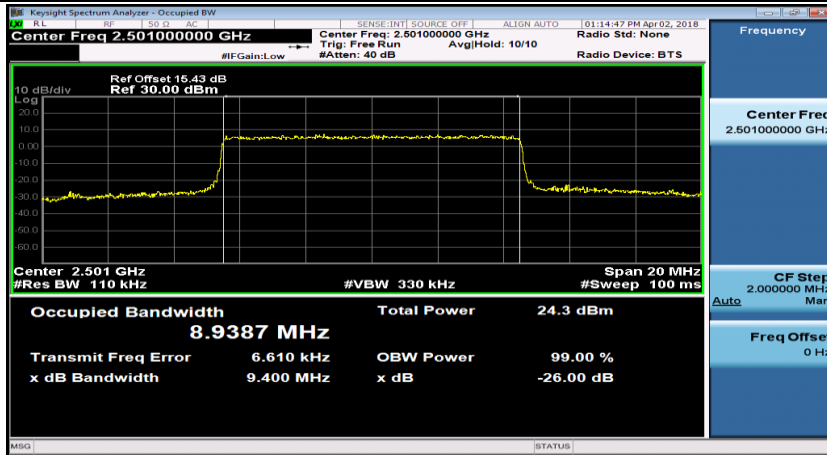


## Channel Bandwidth: 10 MHz

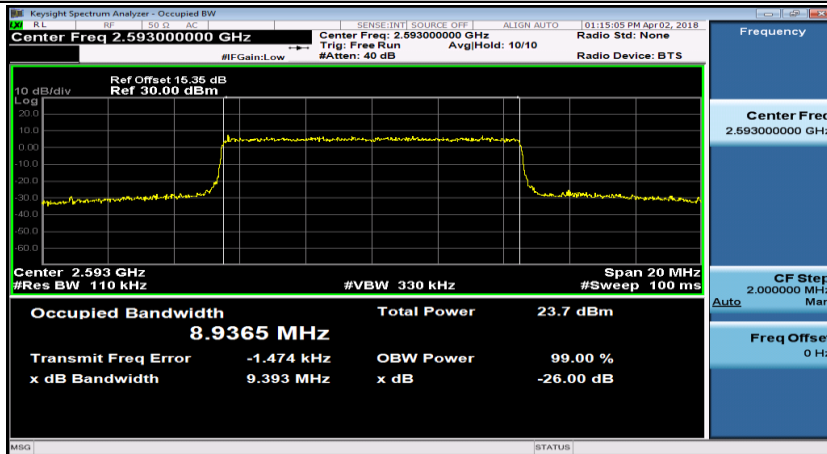




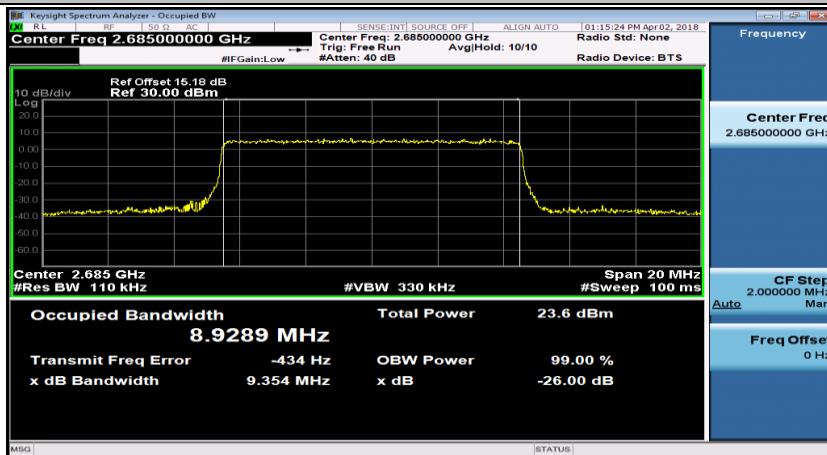
(Channel Bandwidth: 10 MHz)\_LCH\_16QAM\_50RB#0



(Channel Bandwidth: 10 MHz)\_MCH\_16QAM\_50RB#0



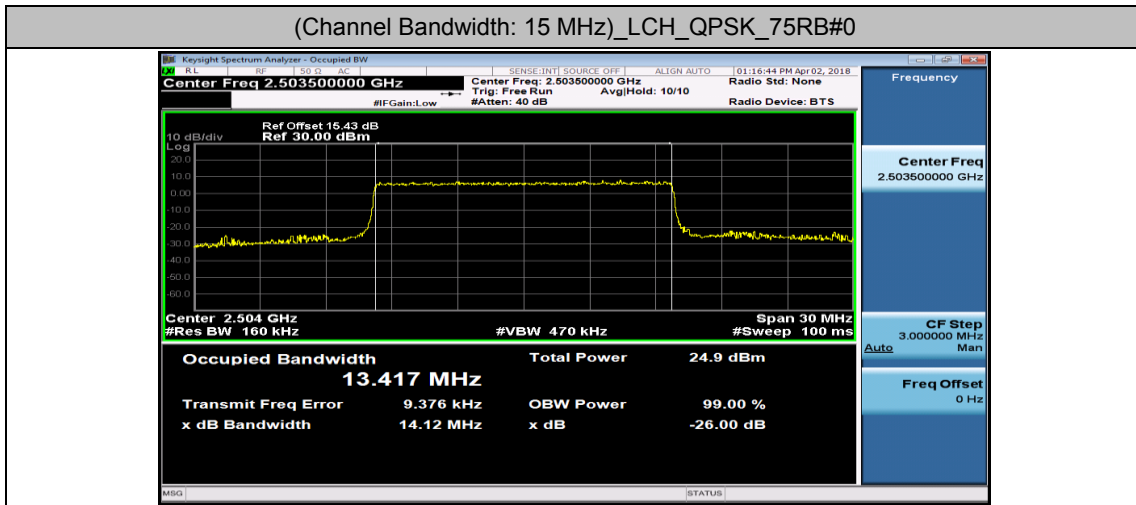
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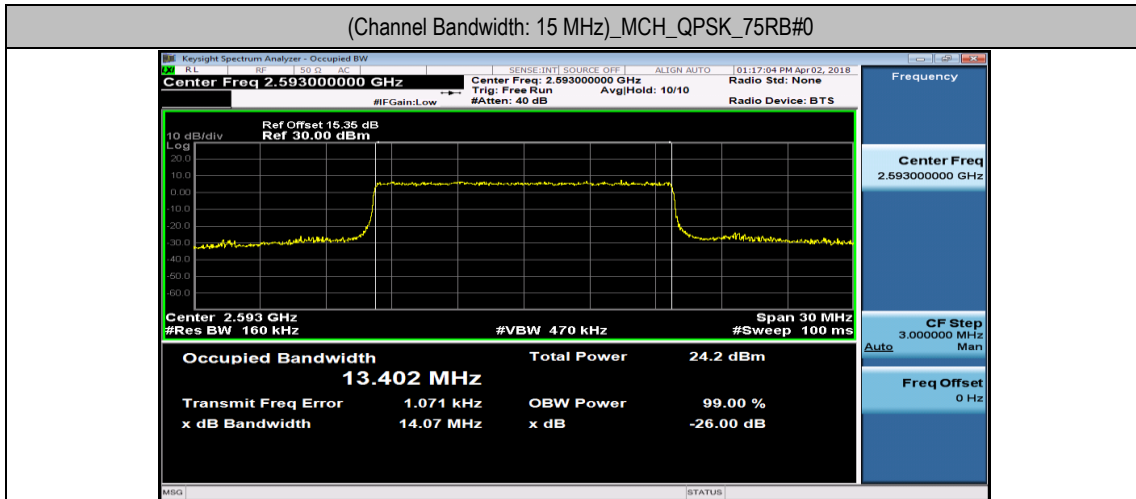


## Channel Bandwidth: 15 MHz

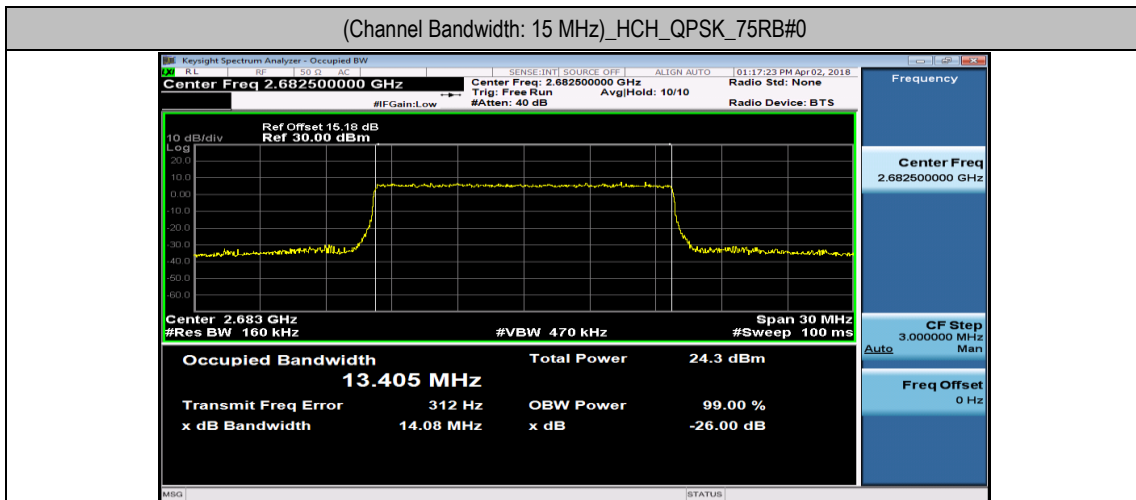
(Channel Bandwidth: 15 MHz)\_LCH\_QPSK\_75RB#0



(Channel Bandwidth: 15 MHz)\_MCH\_QPSK\_75RB#0



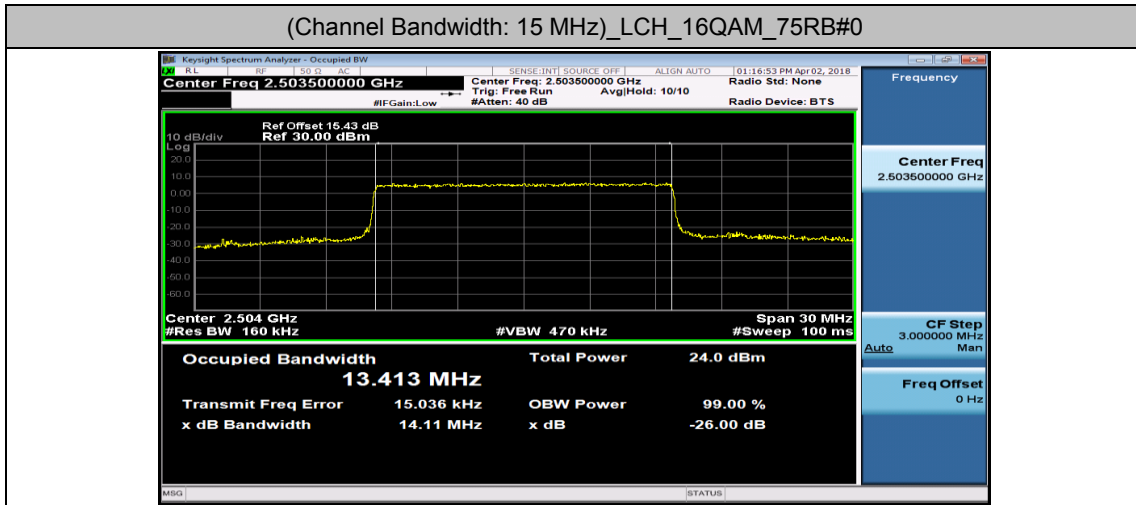
(Channel Bandwidth: 15 MHz)\_HCH\_QPSK\_75RB#0



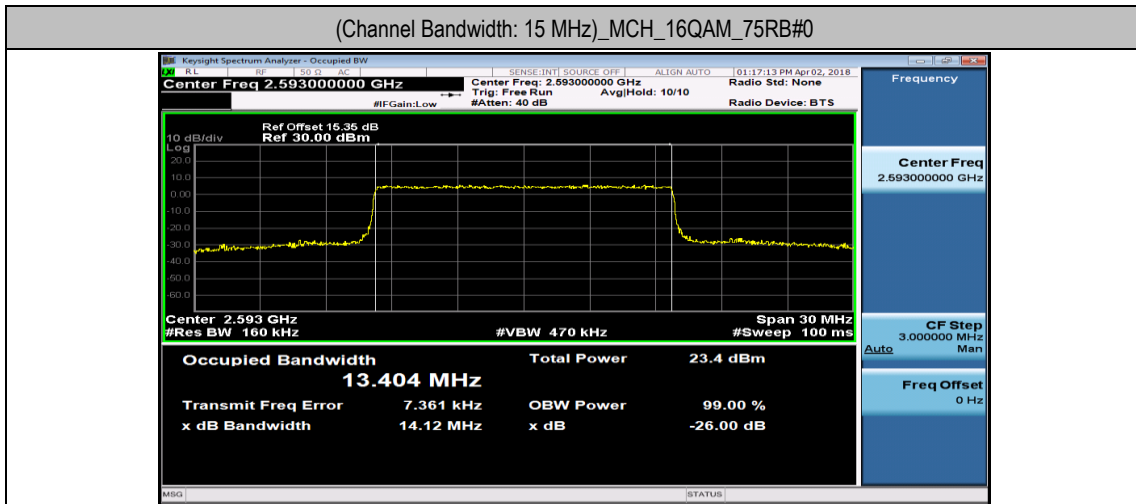




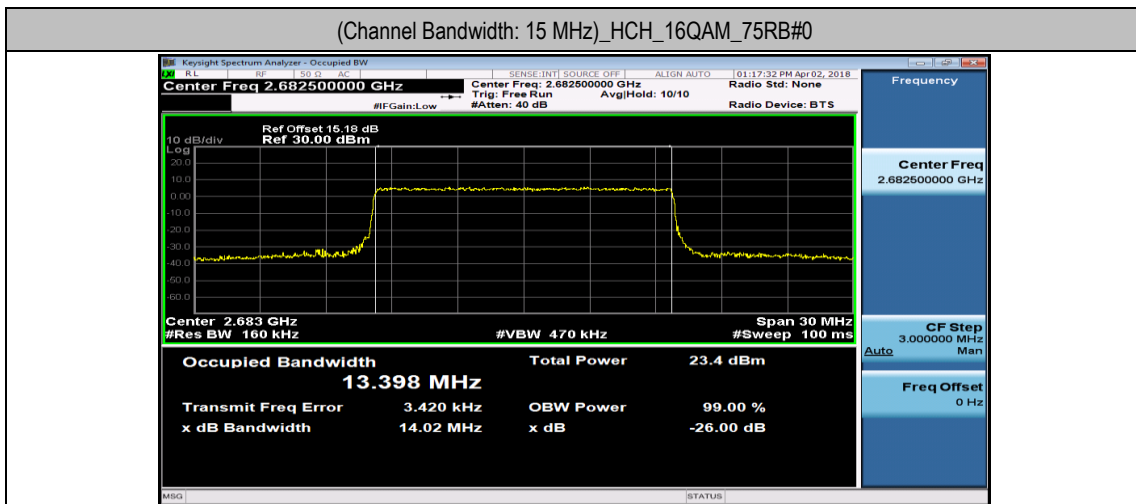
(Channel Bandwidth: 15 MHz)\_LCH\_16QAM\_75RB#0



(Channel Bandwidth: 15 MHz)\_MCH\_16QAM\_75RB#0



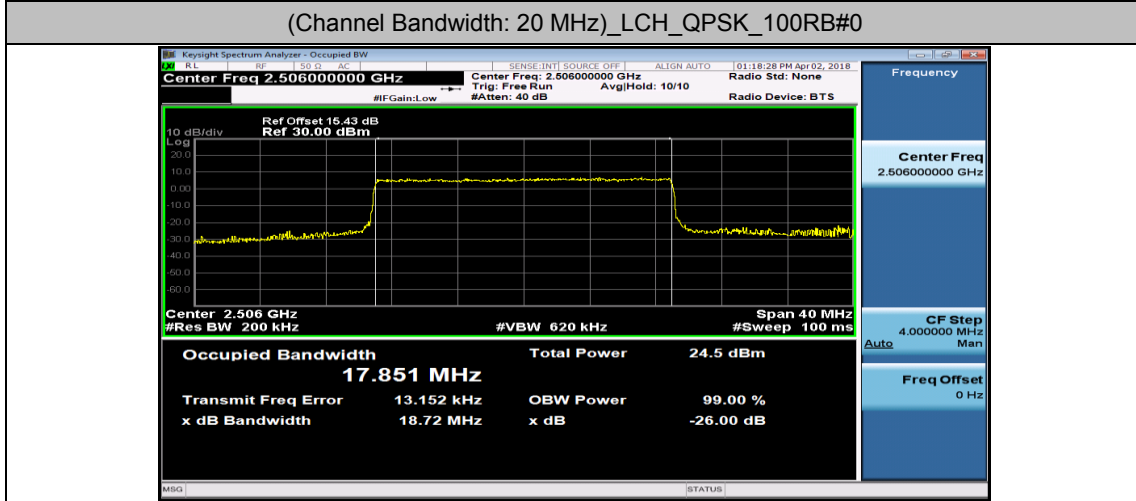
(Channel Bandwidth: 15 MHz)\_HCH\_16QAM\_75RB#0



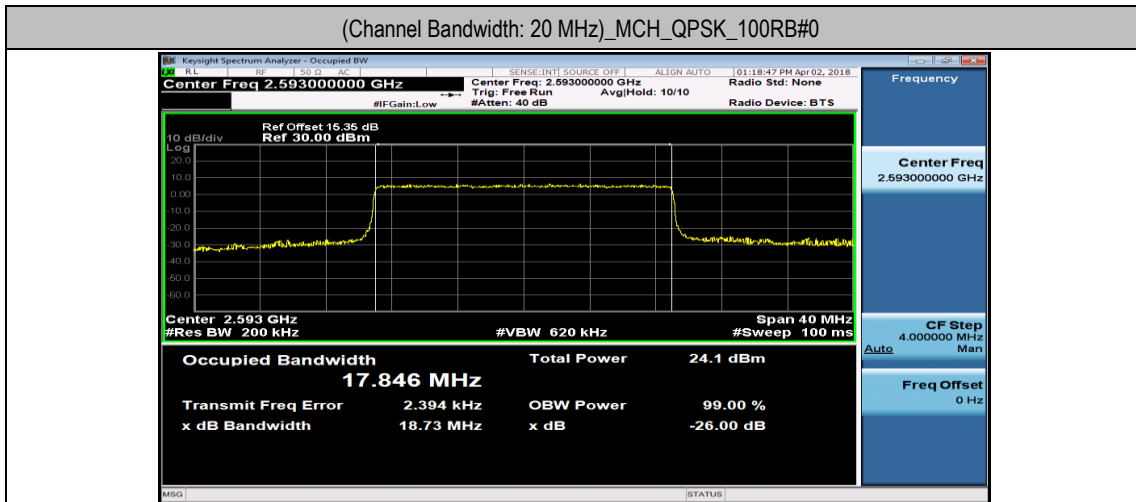


## Channel Bandwidth: 20 MHz

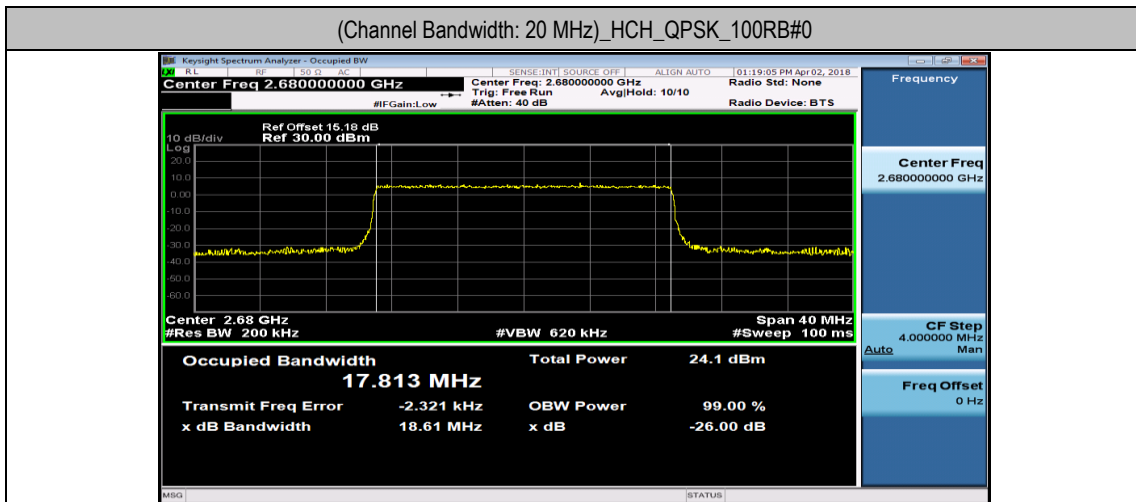
(Channel Bandwidth: 20 MHz)\_LCH\_QPSK\_100RB#0



(Channel Bandwidth: 20 MHz)\_MCH\_QPSK\_100RB#0

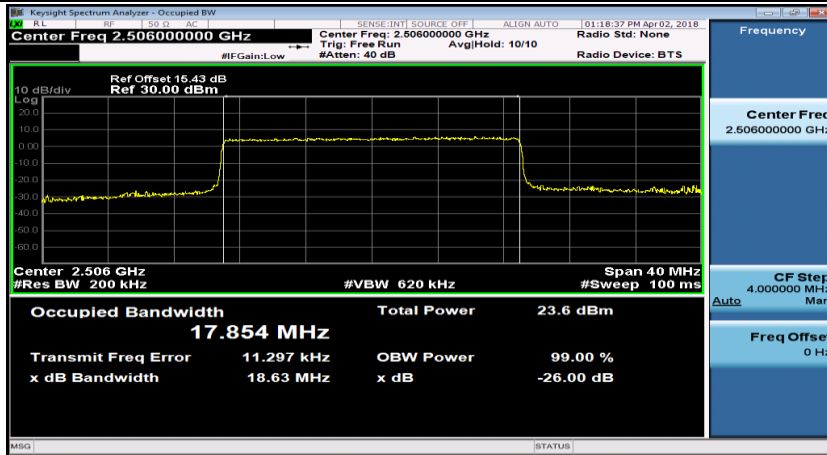


(Channel Bandwidth: 20 MHz)\_HCH\_QPSK\_100RB#0

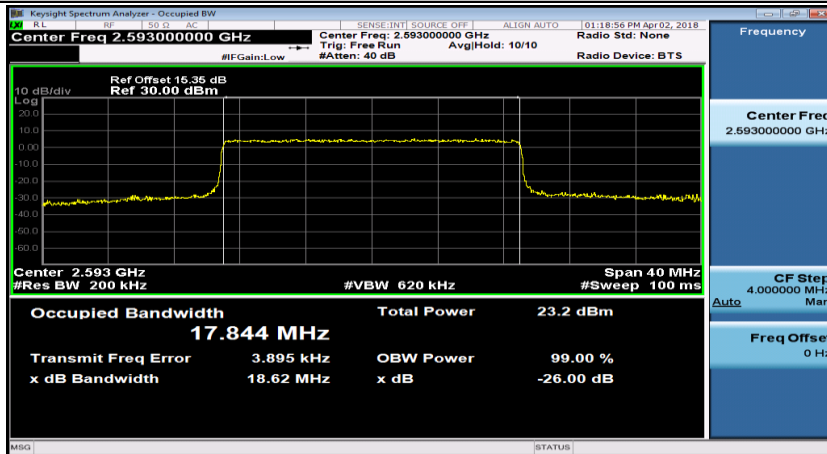




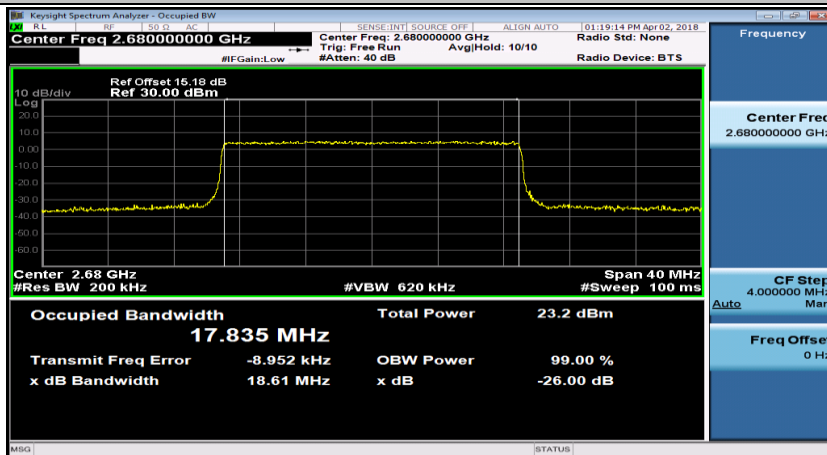
(Channel Bandwidth: 20 MHz)\_LCH\_16QAM\_100RB#0



(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

