



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	23.31	PASS
		1	2	23.30	PASS
		1	5	23.09	PASS
		3	0	23.25	PASS
		3	1	23.24	PASS
		3	3	23.17	PASS
		6	0	22.33	PASS
	MCH	1	0	22.98	PASS
		1	2	23.00	PASS
		1	5	23.04	PASS
		3	0	23.15	PASS
		3	1	23.15	PASS
		3	3	23.03	PASS
		6	0	22.15	PASS
	HCH	1	0	23.11	PASS
		1	2	23.17	PASS
		1	5	23.09	PASS
		3	0	23.19	PASS
		3	1	23.19	PASS
		3	3	23.16	PASS
		6	0	22.22	PASS
16QAM	LCH	1	0	22.43	PASS
		1	2	22.49	PASS
		1	5	22.45	PASS
		3	0	22.41	PASS
		3	1	22.43	PASS
		3	3	22.32	PASS
		6	0	21.42	PASS
	MCH	1	0	22.35	PASS
		1	2	22.37	PASS
		1	5	22.29	PASS
		3	0	22.27	PASS



		3	1	22.35	PASS
		3	3	22.18	PASS
		6	0	21.25	PASS
	HCH	1	0	22.55	PASS
		1	2	22.47	PASS
		1	5	22.51	PASS
		3	0	22.29	PASS
		3	1	22.33	PASS
		3	3	22.32	PASS
		6	0	21.47	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.28	PASS
		1	7	23.24	PASS
		1	14	23.09	PASS
		8	0	22.33	PASS
		8	3	22.40	PASS
		8	7	22.40	PASS
		15	0	22.37	PASS
	MCH	1	0	23.16	PASS
		1	7	23.19	PASS
		1	14	23.01	PASS
		8	0	22.20	PASS
		8	3	22.23	PASS
		8	7	22.23	PASS
		15	0	22.21	PASS
	HCH	1	0	23.25	PASS
		1	7	23.23	PASS
		1	14	23.12	PASS
		8	0	22.38	PASS
		8	3	22.30	PASS
		8	7	22.27	PASS
		15	0	22.26	PASS
16QAM	LCH	1	0	22.54	PASS
		1	7	22.57	PASS
		1	14	22.39	PASS



		8	0	21.51	PASS
		8	3	21.42	PASS
		8	7	21.50	PASS
		15	0	21.35	PASS
	MCH	1	0	22.37	PASS
		1	7	22.35	PASS
		1	14	22.32	PASS
		8	0	21.25	PASS
		8	3	21.26	PASS
		8	7	21.28	PASS
		15	0	21.19	PASS
	HCH	1	0	22.53	PASS
		1	7	22.51	PASS
		1	14	22.37	PASS
		8	0	21.42	PASS
		8	3	21.33	PASS
		8	7	21.29	PASS
		15	0	21.22	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.38	PASS
		1	12	23.09	PASS
		1	24	23.18	PASS
		12	0	22.35	PASS
		12	6	22.28	PASS
		12	13	22.26	PASS
		25	0	22.23	PASS
		25	0	22.23	PASS
	MCH	1	0	23.27	PASS
		1	12	23.14	PASS
		1	24	23.10	PASS
		12	0	22.20	PASS
		12	6	22.21	PASS
		12	13	22.22	PASS
		25	0	22.22	PASS
		25	0	22.22	PASS
	HCH	1	0	23.32	PASS
		1	12	23.22	PASS
		1	24	23.13	PASS



		12	0	22.37	PASS
		12	6	22.40	PASS
		12	13	22.25	PASS
		25	0	22.39	PASS
16QAM	LCH	1	0	22.67	PASS
		1	12	22.39	PASS
		1	24	22.42	PASS
		12	0	21.38	PASS
		12	6	21.32	PASS
		12	13	21.30	PASS
		25	0	21.24	PASS
	MCH	1	0	22.55	PASS
		1	12	22.39	PASS
		1	24	22.36	PASS
		12	0	21.26	PASS
		12	6	21.32	PASS
		12	13	21.25	PASS
		25	0	21.24	PASS
	HCH	1	0	22.63	PASS
		1	12	22.53	PASS
		1	24	22.43	PASS
		12	0	21.40	PASS
		12	6	21.44	PASS
		12	13	21.26	PASS
		25	0	21.34	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.57	PASS
		1	24	23.23	PASS
		1	49	23.54	PASS
		25	0	22.49	PASS
		25	12	22.31	PASS
		25	25	22.38	PASS
		50	0	22.50	PASS
	MCH	1	0	23.43	PASS
		1	24	23.25	PASS
		1	49	23.50	PASS



		25	0	22.51	PASS
		25	12	22.36	PASS
		25	25	22.39	PASS
		50	0	22.52	PASS
	HCH	1	0	23.63	PASS
		1	24	23.25	PASS
		1	49	23.55	PASS
		25	0	22.52	PASS
		25	12	22.33	PASS
		25	25	22.31	PASS
		50	0	22.49	PASS
16QAM	LCH	1	0	22.81	PASS
		1	24	22.50	PASS
		1	49	22.72	PASS
		25	0	21.38	PASS
		25	12	21.35	PASS
		25	25	21.42	PASS
		50	0	21.48	PASS
	MCH	1	0	22.80	PASS
		1	24	22.53	PASS
		1	49	22.77	PASS
		25	0	21.60	PASS
		25	12	21.39	PASS
		25	25	21.38	PASS
		50	0	21.52	PASS
	HCH	1	0	22.94	PASS
		1	24	22.47	PASS
		1	49	22.77	PASS
		25	0	21.51	PASS
		25	12	21.29	PASS
		25	25	21.28	PASS
		50	0	21.49	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.63	PASS
		1	37	23.48	PASS
		1	74	23.29	PASS

		36	0	22.49	PASS
		36	19	22.42	PASS
		36	39	22.33	PASS
		75	0	22.50	PASS
	MCH	1	0	23.43	PASS
		1	37	23.41	PASS
		1	74	23.44	PASS
		36	0	22.52	PASS
		36	19	22.42	PASS
		36	39	22.38	PASS
		75	0	22.50	PASS
	HCH	1	0	23.43	PASS
		1	37	23.56	PASS
		1	74	23.42	PASS
		36	0	22.73	PASS
		36	19	22.52	PASS
		36	39	22.42	PASS
		75	0	22.55	PASS
16QAM	LCH	1	0	22.86	PASS
		1	37	22.48	PASS
		1	74	22.48	PASS
		36	0	21.44	PASS
		36	19	21.38	PASS
		36	39	21.24	PASS
		75	0	21.41	PASS
	MCH	1	0	22.81	PASS
		1	37	22.56	PASS
		1	74	22.52	PASS
		36	0	21.53	PASS
		36	19	21.41	PASS
		36	39	21.35	PASS
		75	0	21.47	PASS
	HCH	1	0	22.84	PASS
		1	37	22.67	PASS
		1	74	22.69	PASS
		36	0	21.63	PASS
		36	19	21.48	PASS
		36	39	21.36	PASS
		75	0	21.49	PASS



Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.65	PASS
		1	49	23.21	PASS
		1	99	23.16	PASS
		50	0	22.43	PASS
		50	25	22.39	PASS
		50	50	22.23	PASS
		100	0	22.29	PASS
	MCH	1	0	23.57	PASS
		1	49	23.05	PASS
		1	99	23.22	PASS
		50	0	22.45	PASS
		50	25	22.26	PASS
		50	50	22.24	PASS
		100	0	22.29	PASS
	HCH	1	0	23.58	PASS
		1	49	23.34	PASS
		1	99	23.41	PASS
		50	0	22.64	PASS
		50	25	22.55	PASS
		50	50	22.51	PASS
		100	0	22.52	PASS
16QAM	LCH	1	0	22.90	PASS
		1	49	22.42	PASS
		1	99	22.42	PASS
		50	0	21.40	PASS
		50	25	21.36	PASS
		50	50	21.20	PASS
		100	0	21.28	PASS
	MCH	1	0	22.92	PASS
		1	49	22.40	PASS
		1	99	22.54	PASS
		50	0	21.40	PASS
		50	25	21.24	PASS
		50	50	21.22	PASS
		100	0	21.26	PASS
	HCH	1	0	22.95	PASS



		1	49	22.58	PASS
		1	99	22.65	PASS
		50	0	21.58	PASS
		50	25	21.50	PASS
		50	50	21.47	PASS
		100	0	21.46	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	3.38	<13	PASS
16QAM	MCH	1	0	3.97	<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	3.16	<13	PASS
16QAM	MCH	1	0	4.12	<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	3.17	<13	PASS
16QAM	MCH	1	0	3.93	<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	3	<13	PASS
16QAM	MCH	1	0	4.01	<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	3.03	<13	PASS
16QAM	MCH	1	0	3.78	<13	PASS

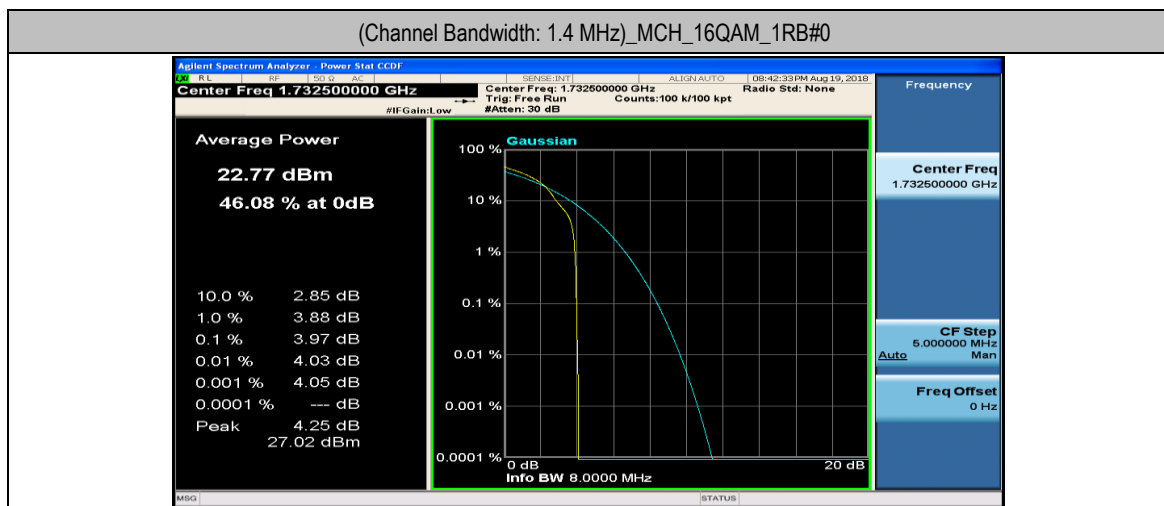
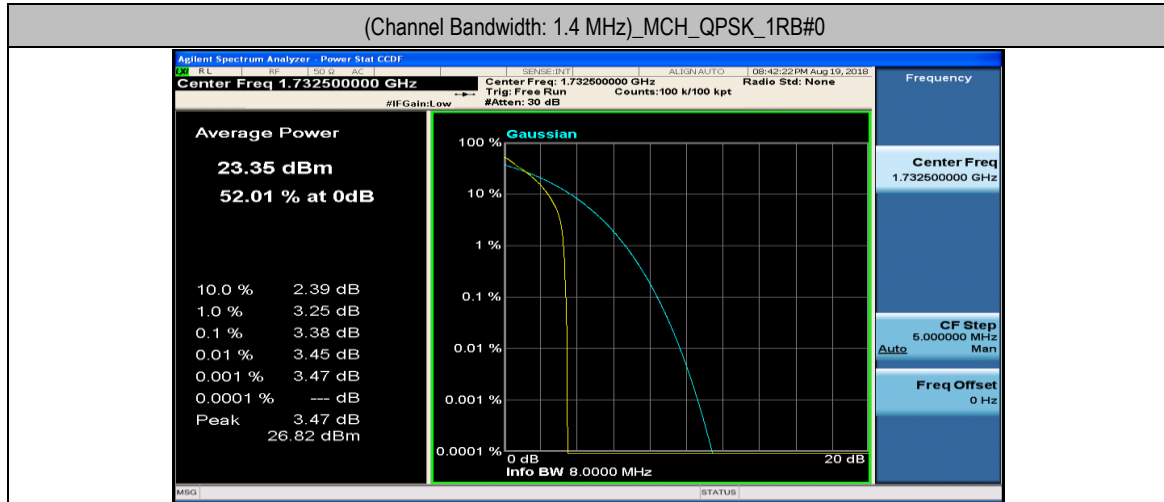
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	3.13	<13	PASS
16QAM	MCH	1	0	3.56	<13	PASS

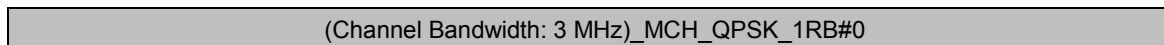


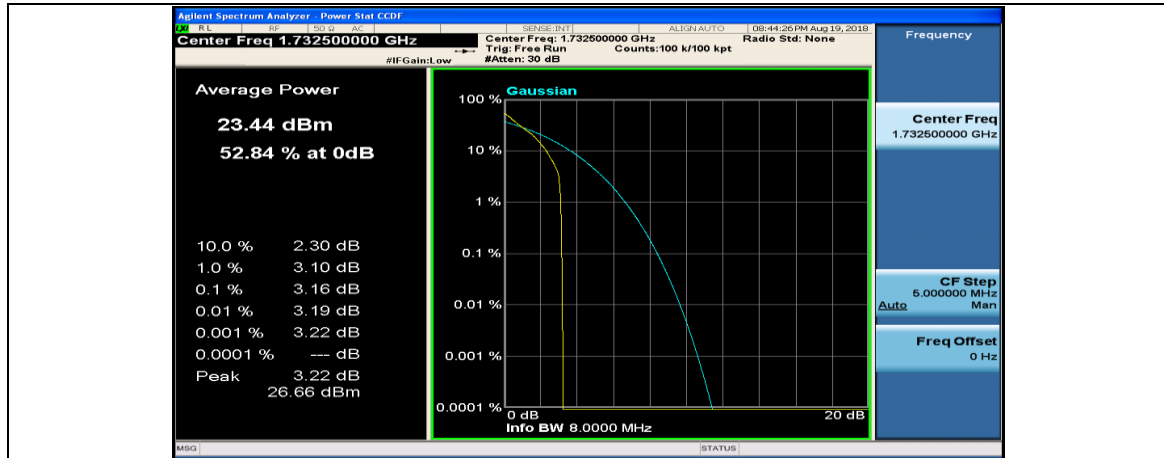
Test Graphs

Channel Bandwidth: 1.4 MHz

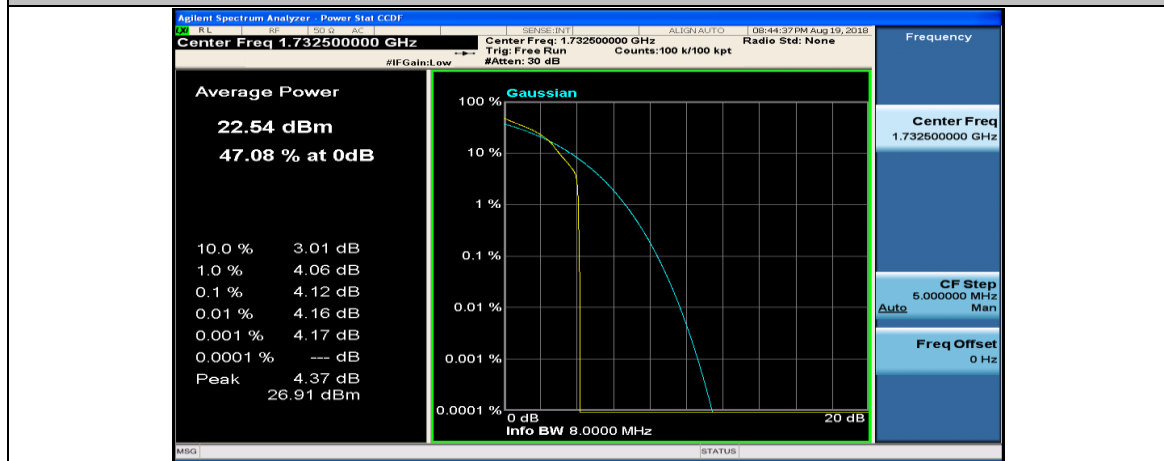


Channel Bandwidth: 3 MHz



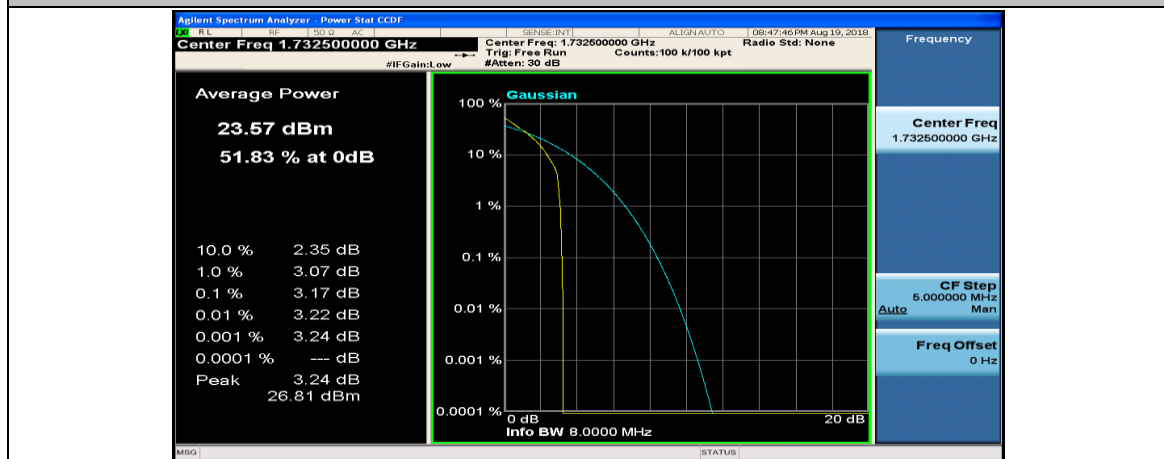


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

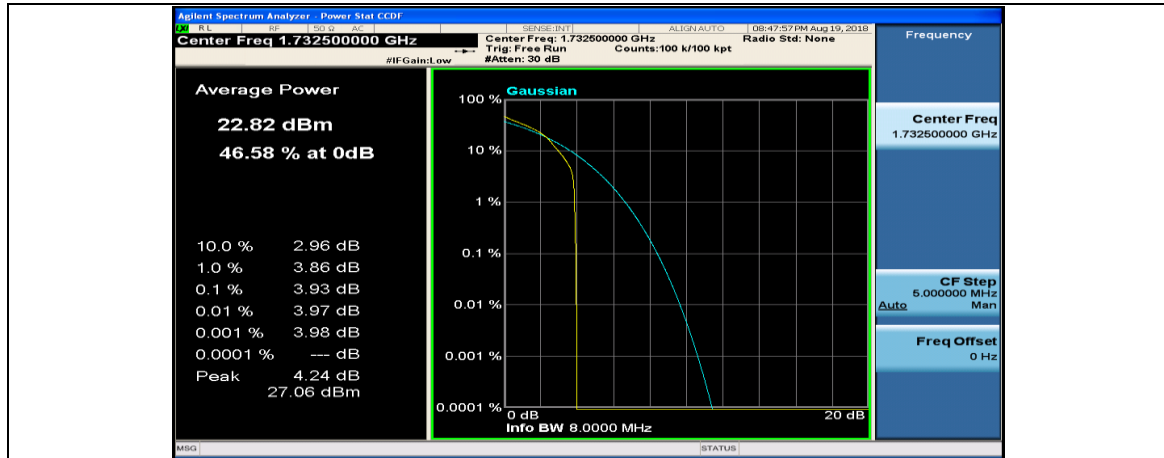


Channel Bandwidth: 5 MHz

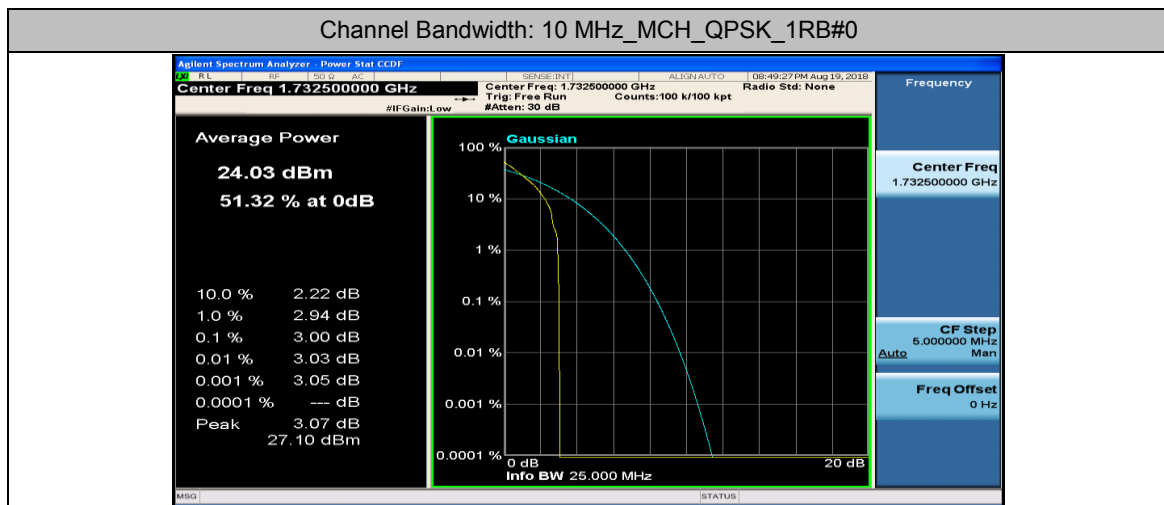
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



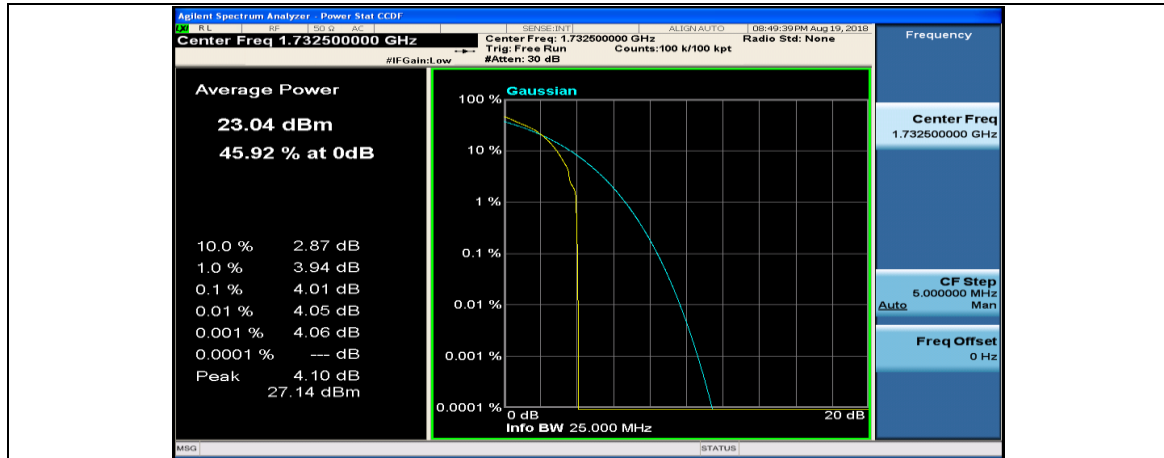
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



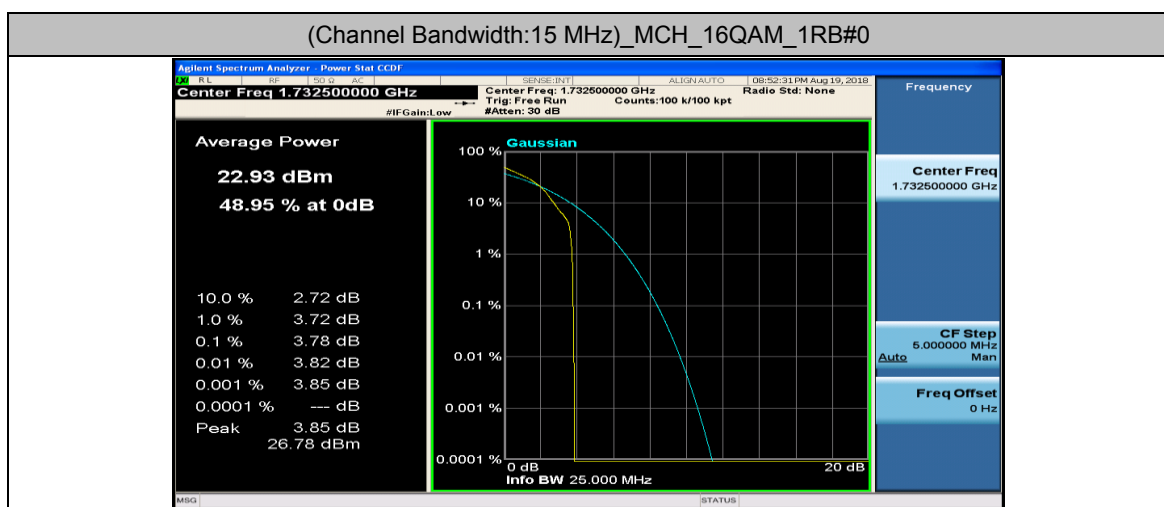
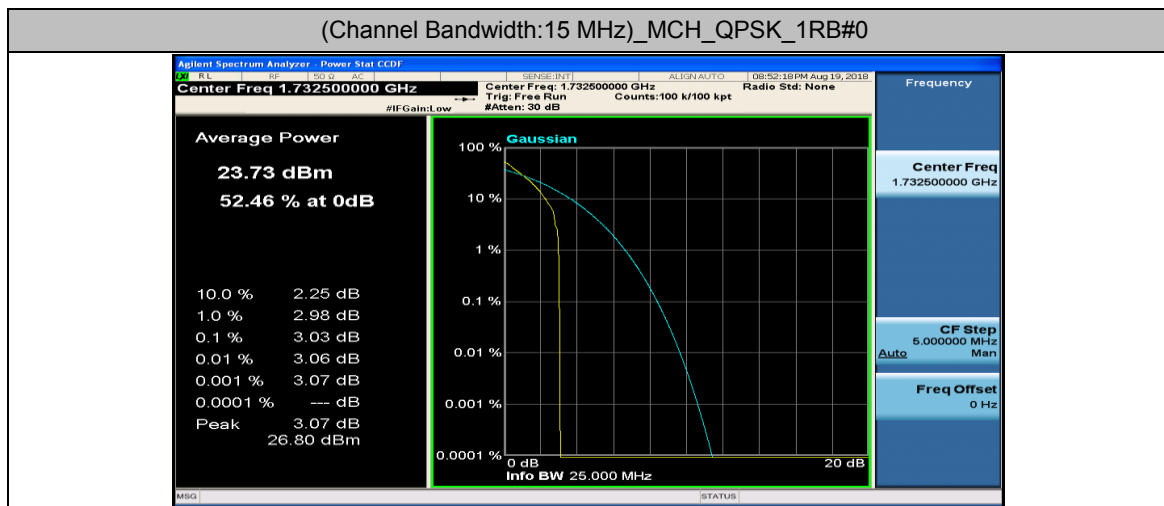
Channel Bandwidth: 10 MHz



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



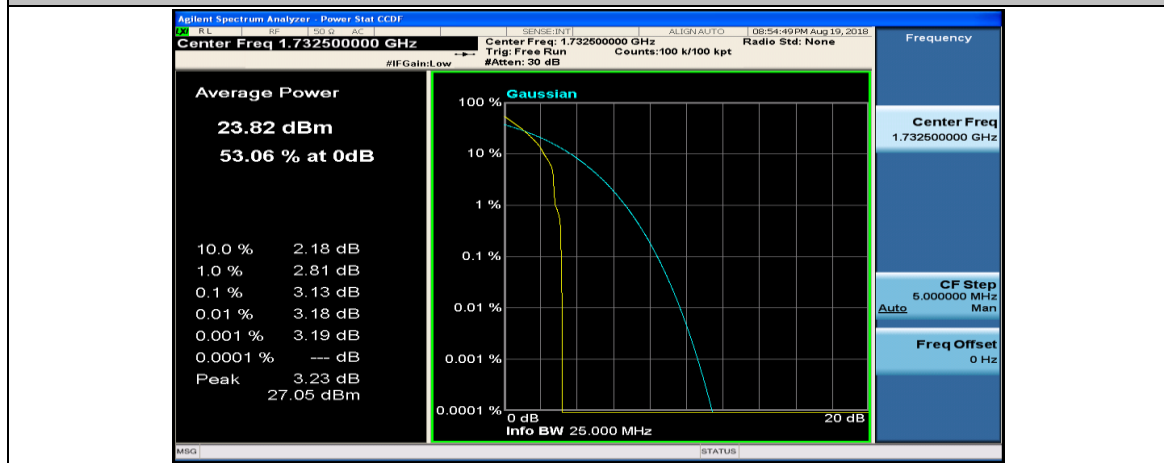
Channel Bandwidth: 15 MHz



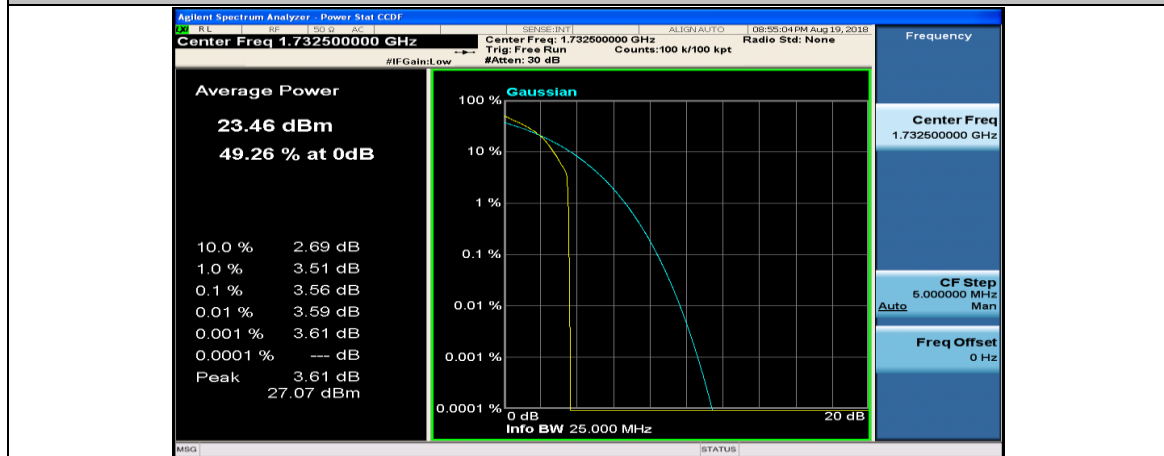


Channel Bandwidth: 20 MHz

(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	1.0773	1.219	PASS
	MCH	6	0	1.0782	1.202	PASS
	HCH	6	0	1.0759	1.196	PASS
16QAM	LCH	6	0	1.0772	1.212	PASS
	MCH	6	0	1.0809	1.213	PASS
	HCH	6	0	1.0792	1.213	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	2.6832	2.881	PASS
	MCH	15	0	2.6828	2.912	PASS
	HCH	15	0	2.6856	2.932	PASS
16QAM	LCH	15	0	2.6835	2.910	PASS
	MCH	15	0	2.6831	2.887	PASS
	HCH	15	0	2.6852	2.913	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	4.4734	4.810	PASS
	MCH	25	0	4.4748	4.801	PASS
	HCH	25	0	4.4696	4.802	PASS
16QAM	LCH	25	0	4.4810	4.800	PASS
	MCH	25	0	4.4722	4.732	PASS



	HCH	25	0	4.4745	4.783	PASS
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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	8.9365	9.507	PASS
	MCH	50	0	8.9323	9.467	PASS
	HCH	50	0	8.9396	9.464	PASS
16QAM	LCH	50	0	8.9344	9.473	PASS
	MCH	50	0	8.9324	9.420	PASS
	HCH	50	0	8.9419	9.402	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	13.425	14.12	PASS
	MCH	75	0	13.395	14.09	PASS
	HCH	75	0	13.433	14.16	PASS
16QAM	LCH	75	0	13.411	14.09	PASS
	MCH	75	0	13.394	14.07	PASS
	HCH	75	0	13.407	14.18	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	17.872	18.71	PASS
	MCH	100	0	17.841	18.61	PASS
	HCH	100	0	17.885	18.70	PASS
16QAM	LCH	100	0	17.870	18.64	PASS

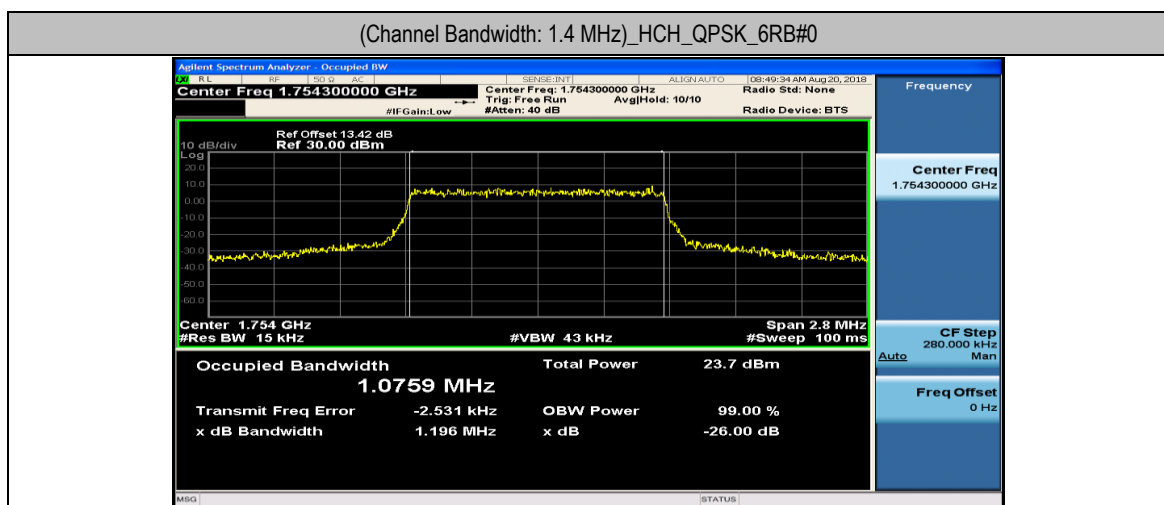
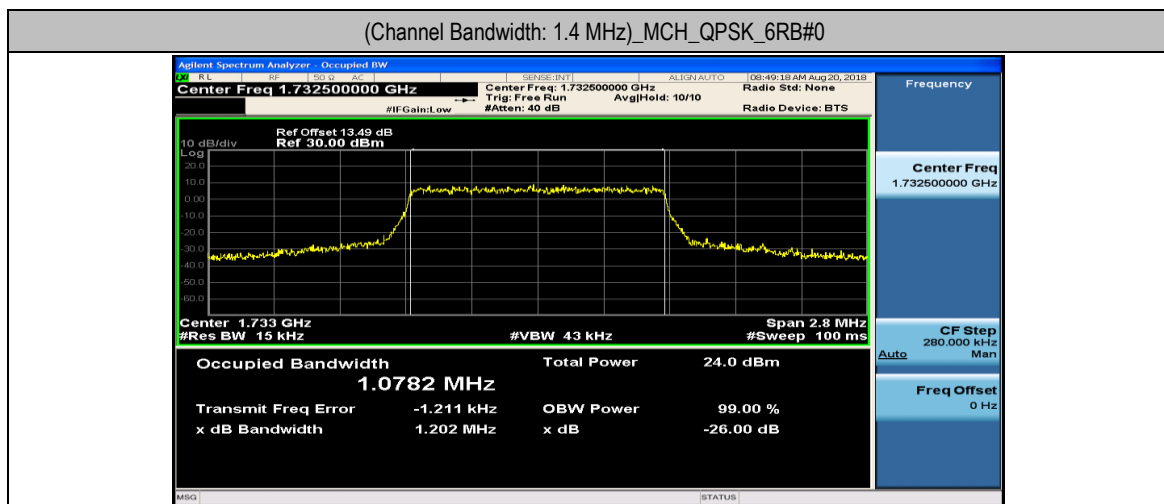
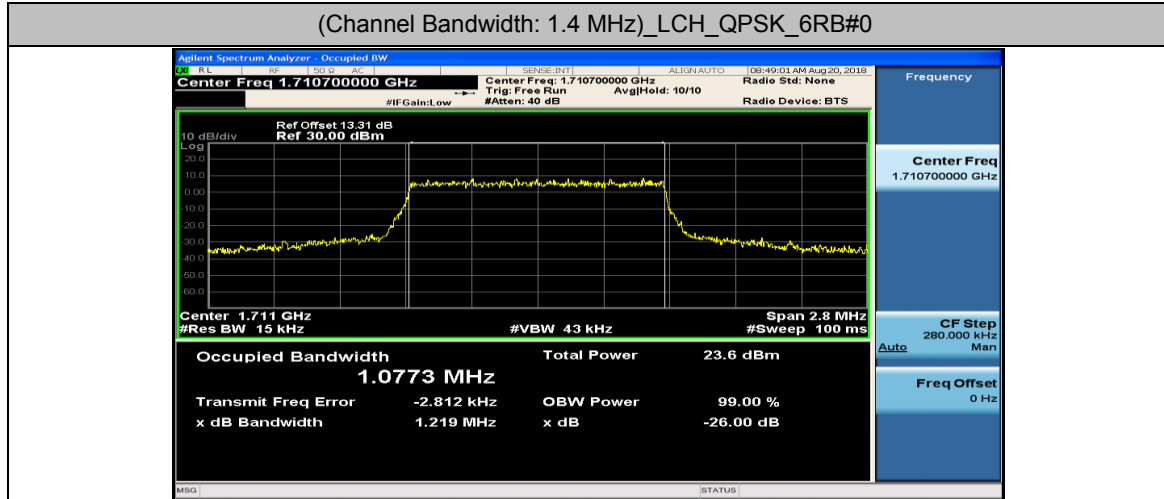


	MCH	100	0	17.835	18.61	PASS
	HCH	100	0	17.876	18.62	PASS



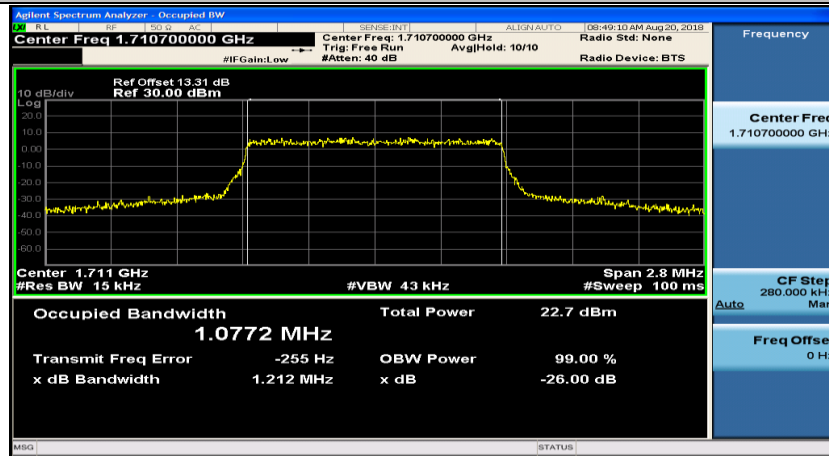
Test Graphs

Channel Bandwidth: 1.4 MHz

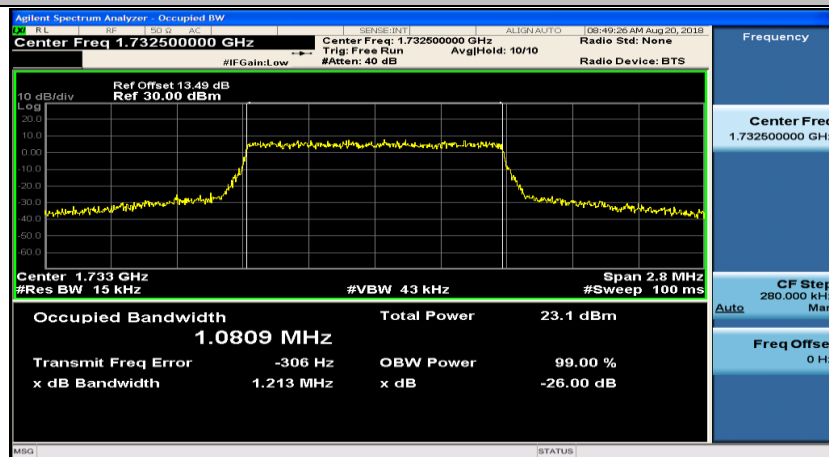




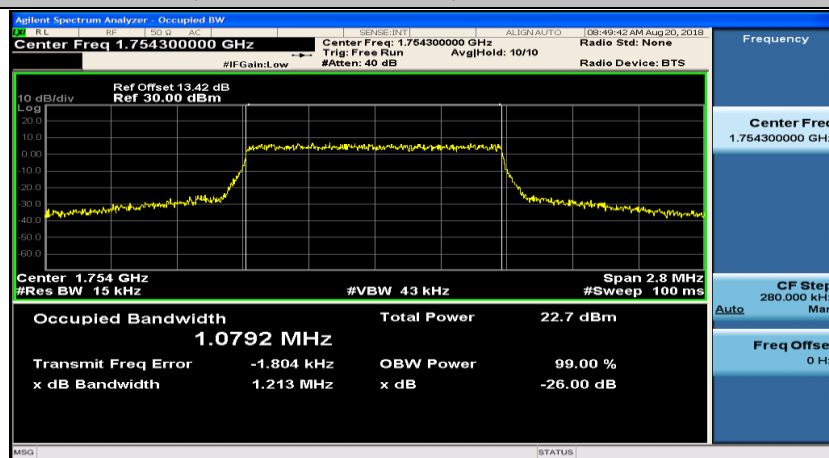
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



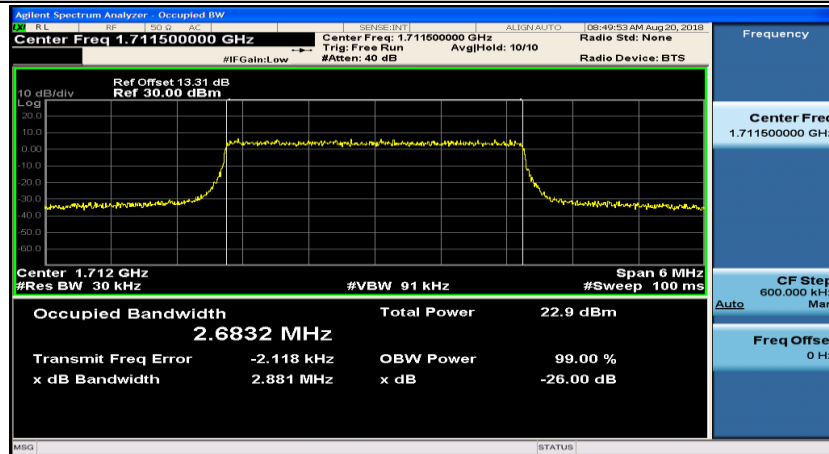
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



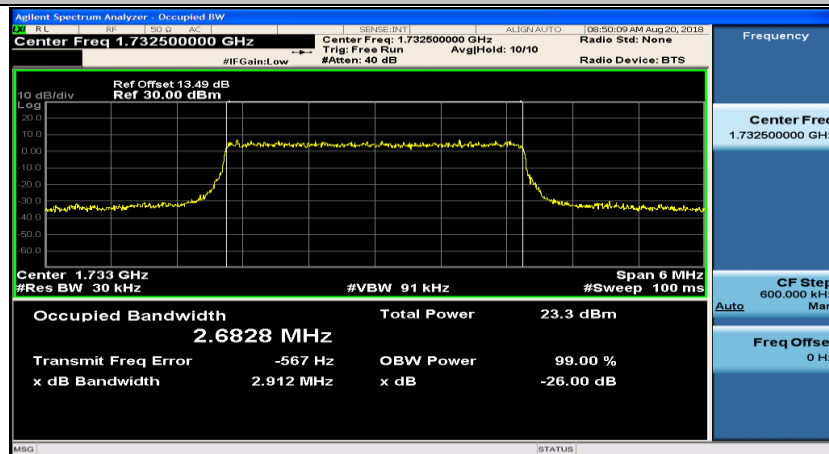


Channel Bandwidth: 3 MHz

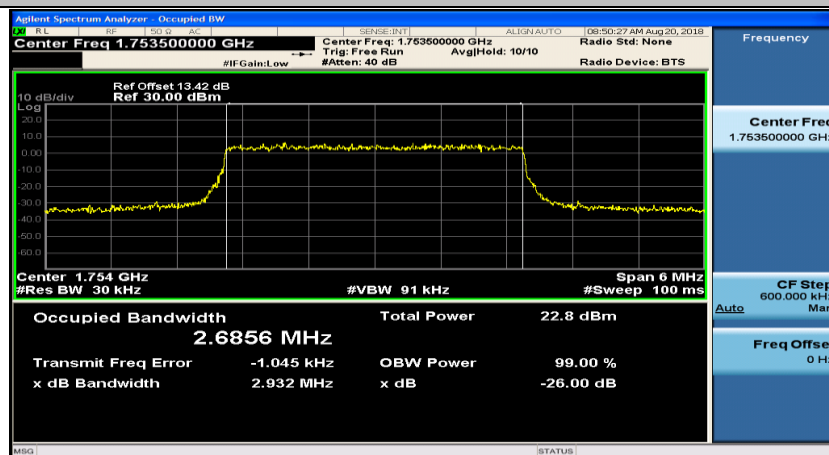
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(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

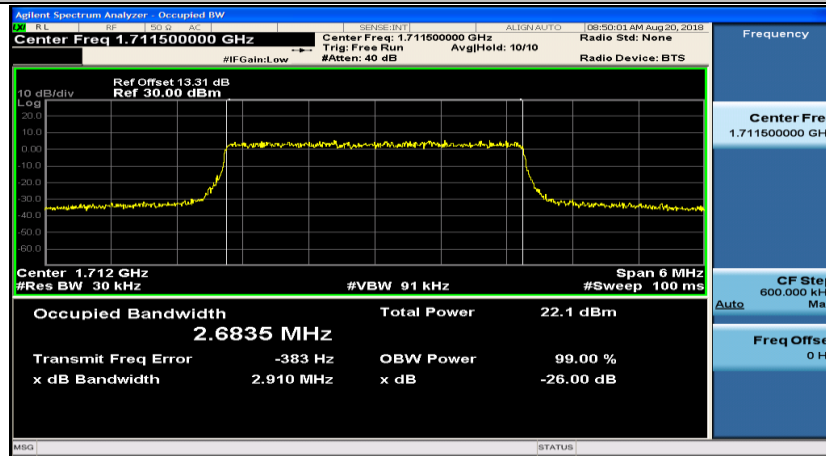


(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

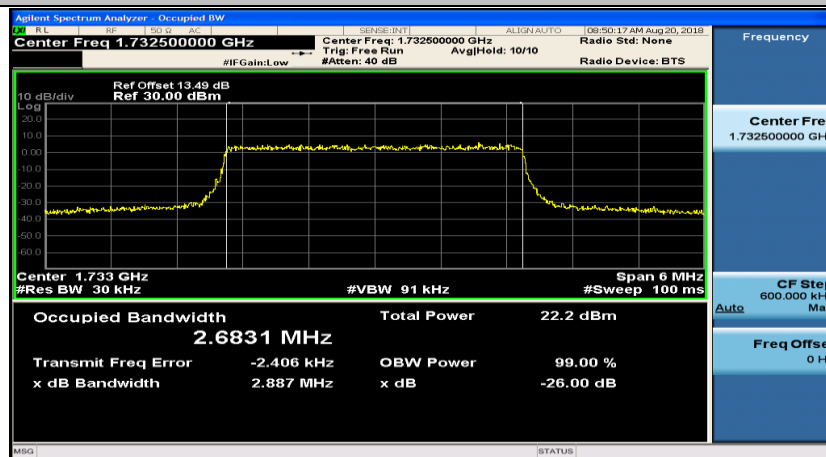




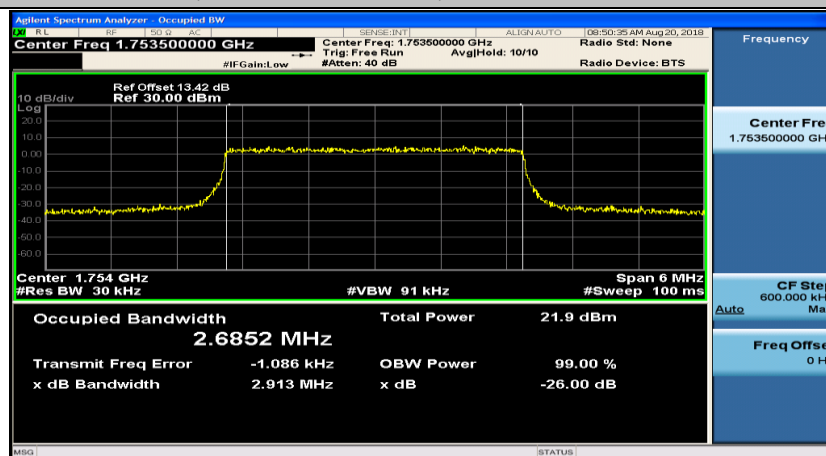
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



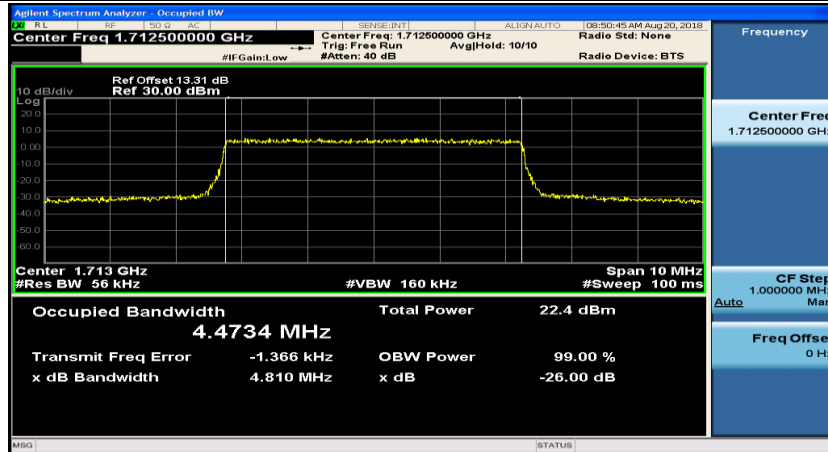
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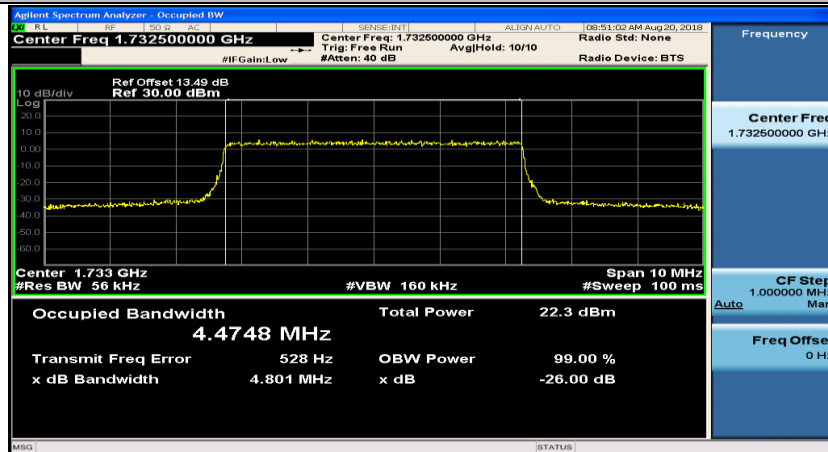


Channel Bandwidth: 5 MHz

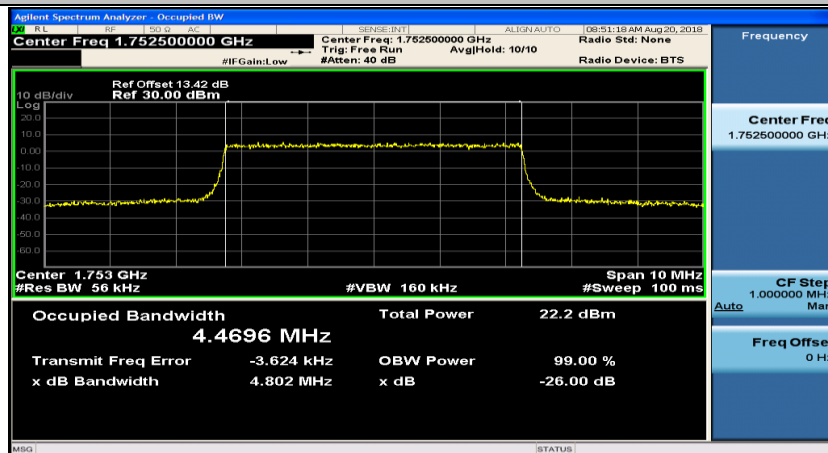
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

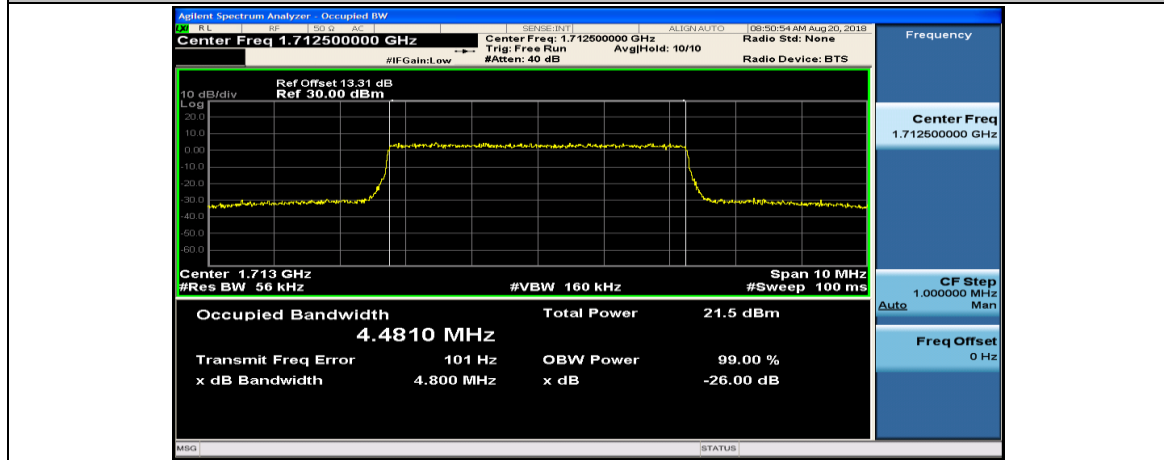


(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

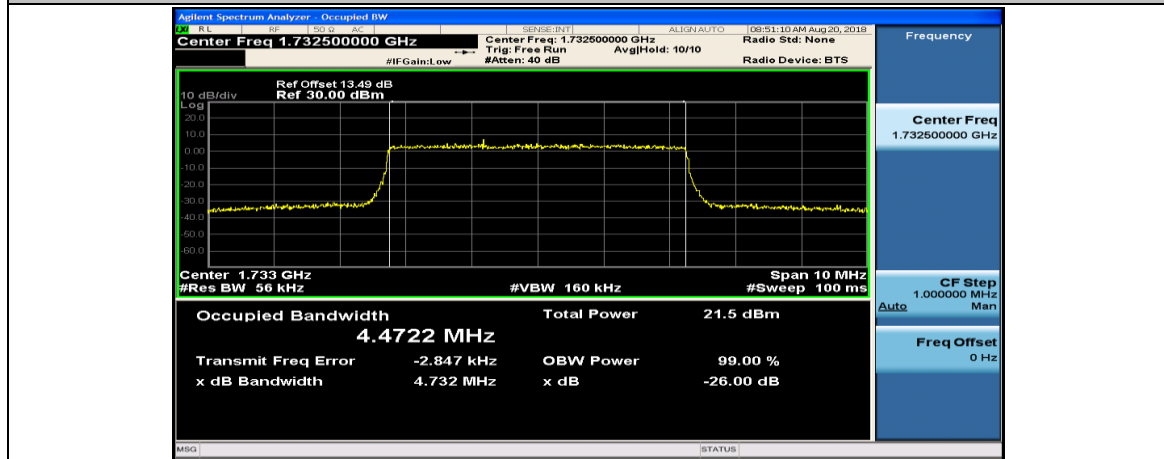




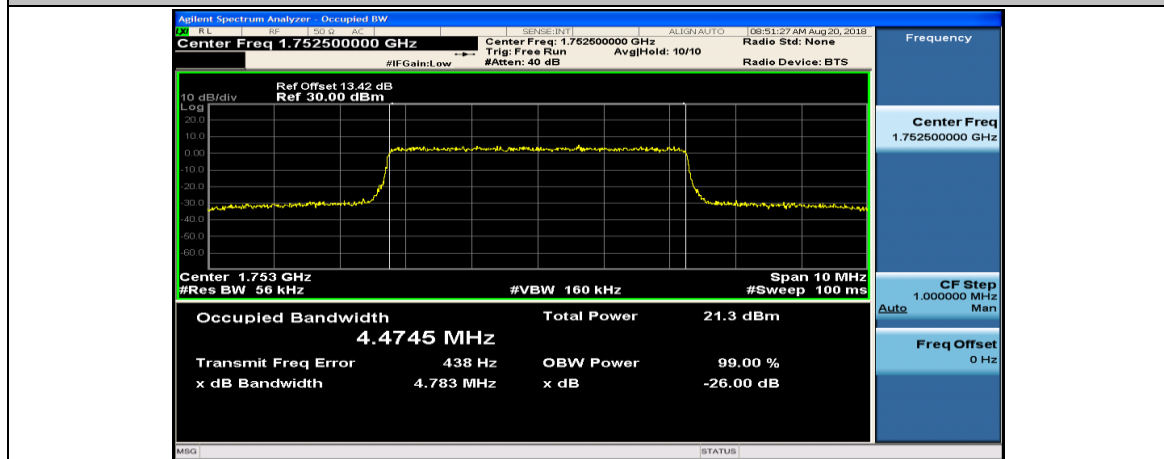
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



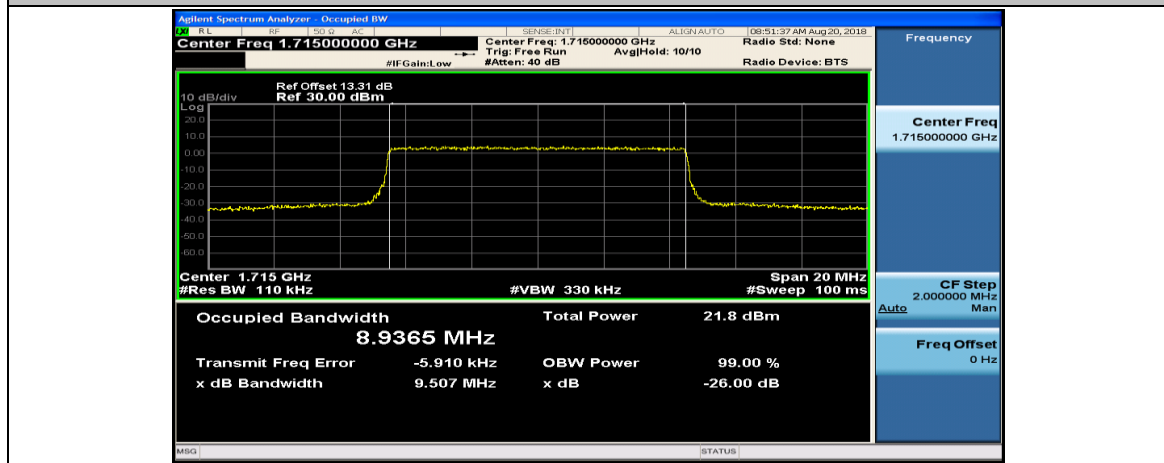
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



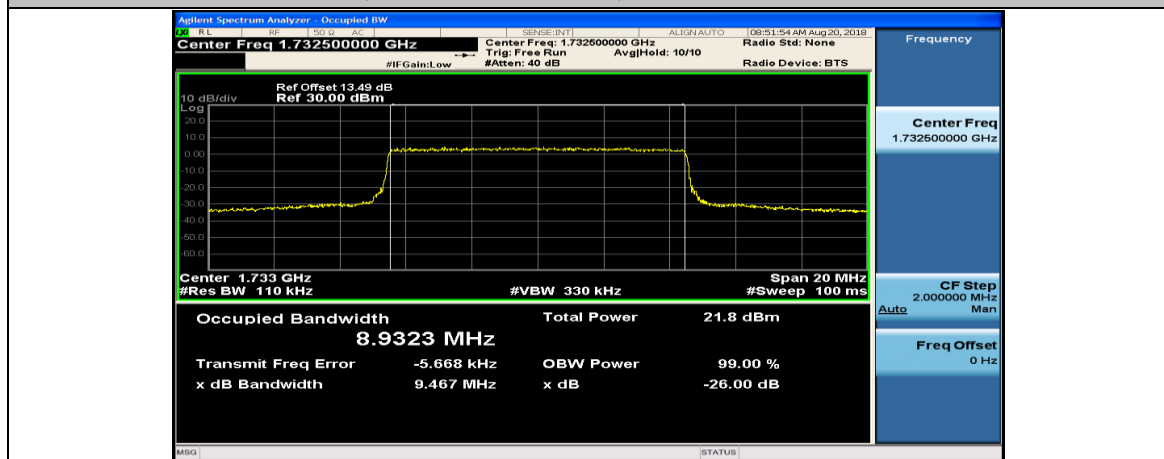


Channel Bandwidth: 10 MHz

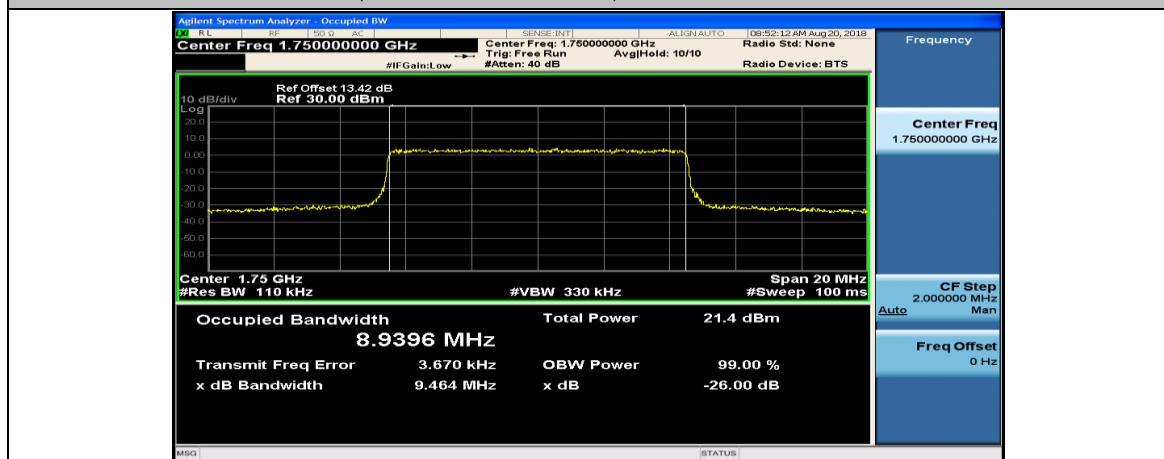
(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0



(Channel Bandwidth: 10 MHz)_MCH_QPSK_50RB#0

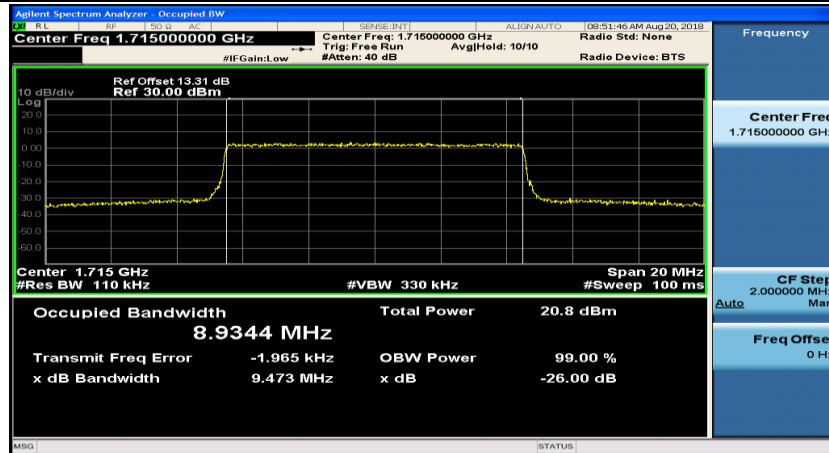


(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0

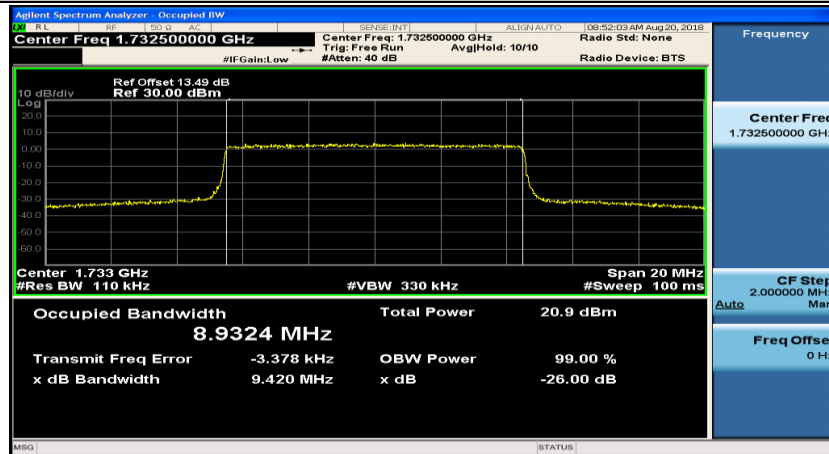




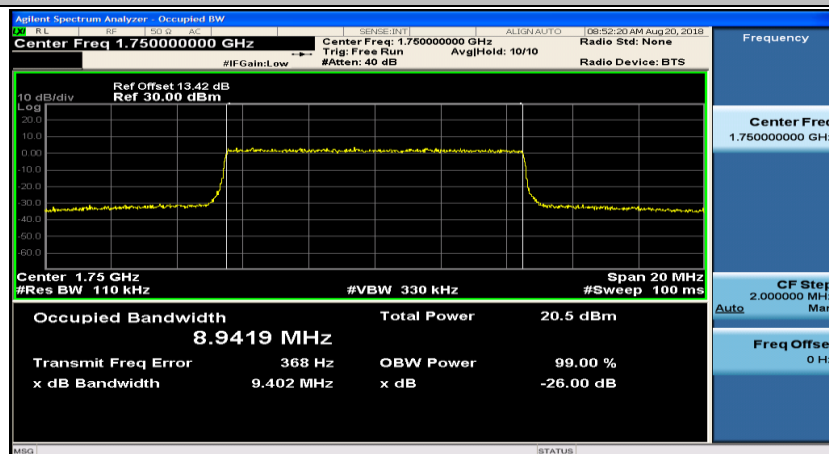
(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



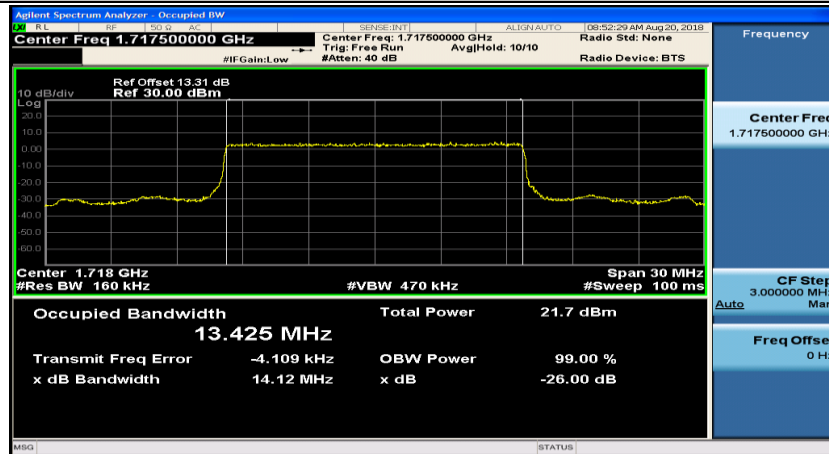
(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



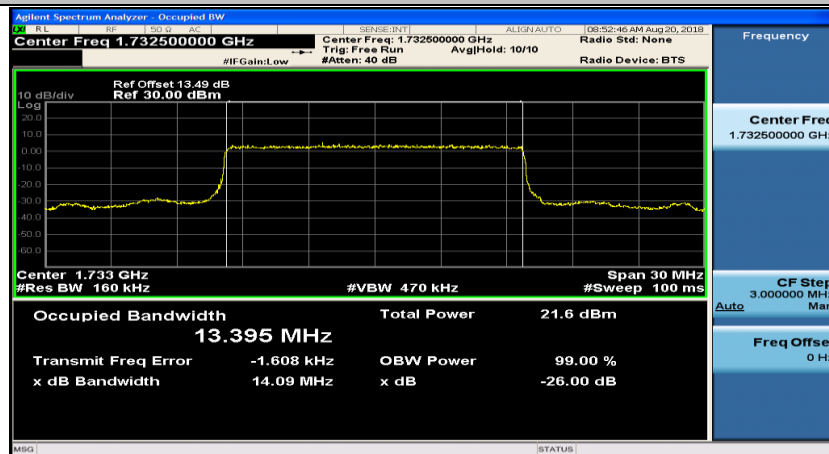


Channel Bandwidth: 15 MHz

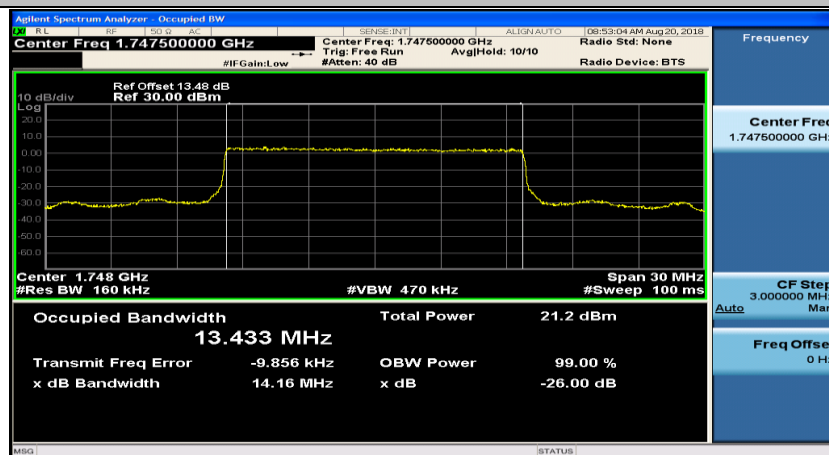
(Channel Bandwidth: 15 MHz)_LCH_QPSK_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_QPSK_75RB#0

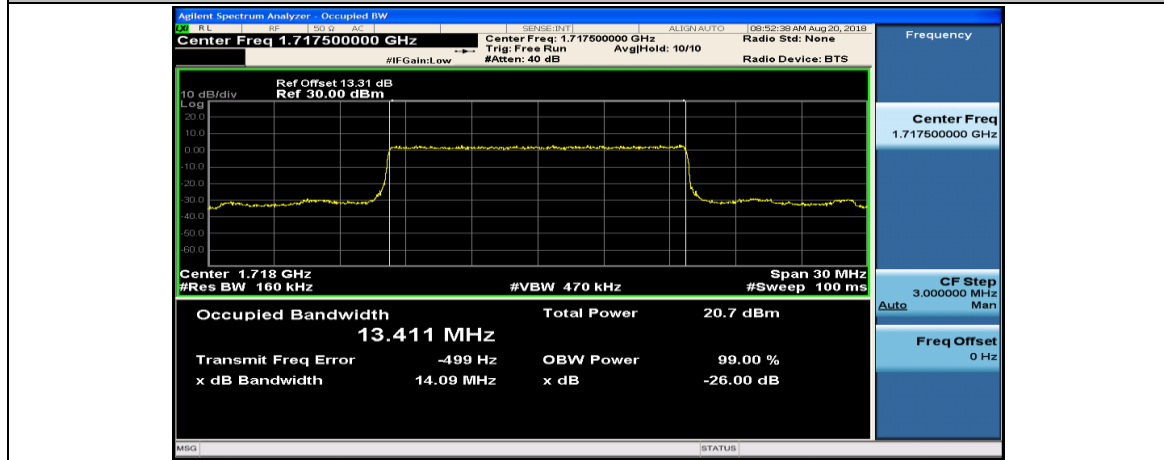


(Channel Bandwidth: 15 MHz)_HCH_QPSK_75RB#0

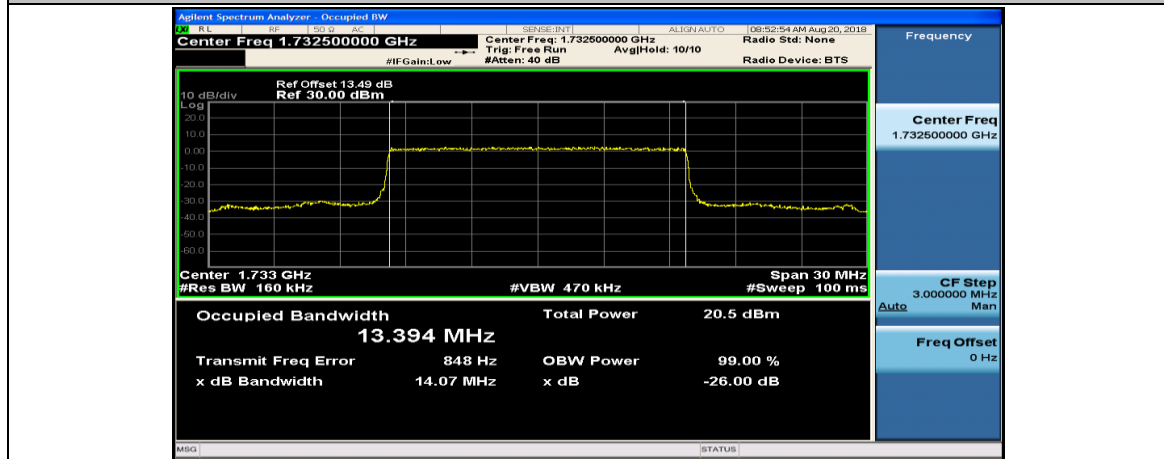




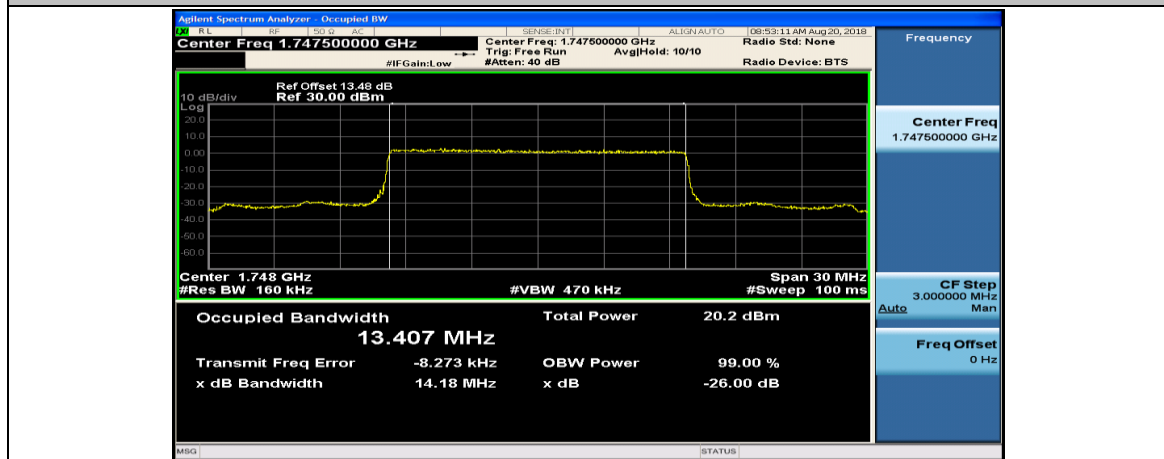
(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_16QAM_75RB#0



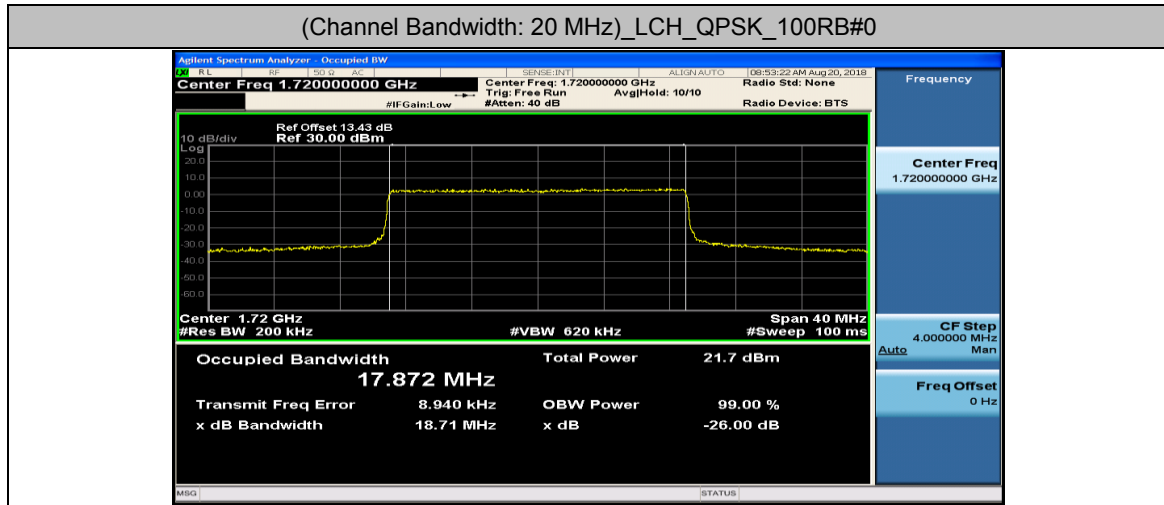
(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0



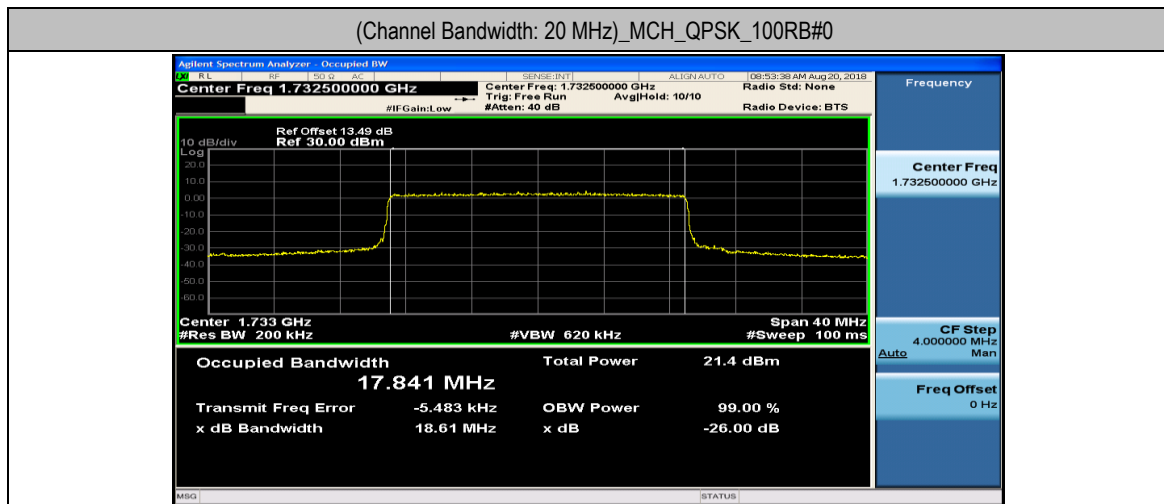


Channel Bandwidth: 20 MHz

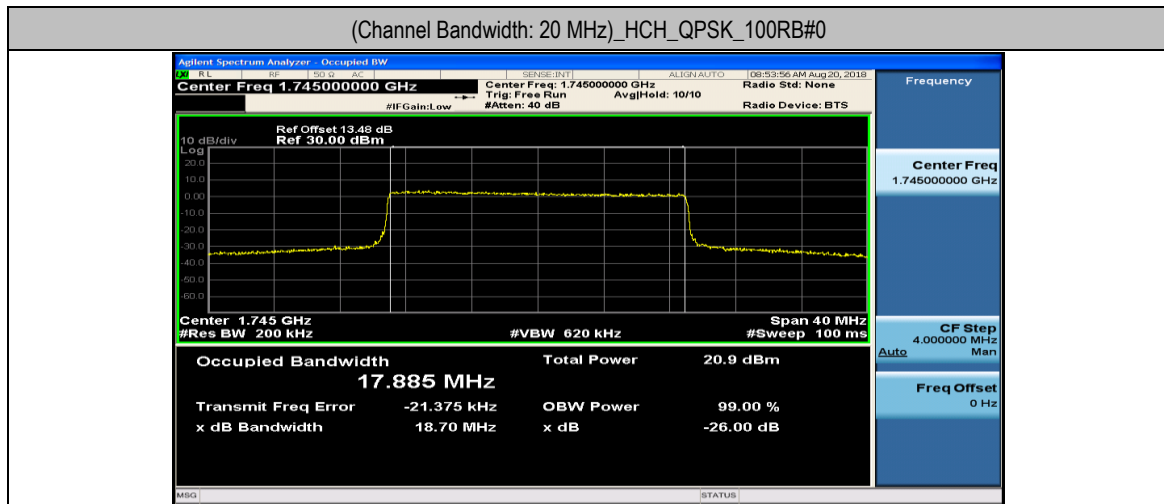
(Channel Bandwidth: 20 MHz)_LCH_QPSK_100RB#0



(Channel Bandwidth: 20 MHz)_MCH_QPSK_100RB#0

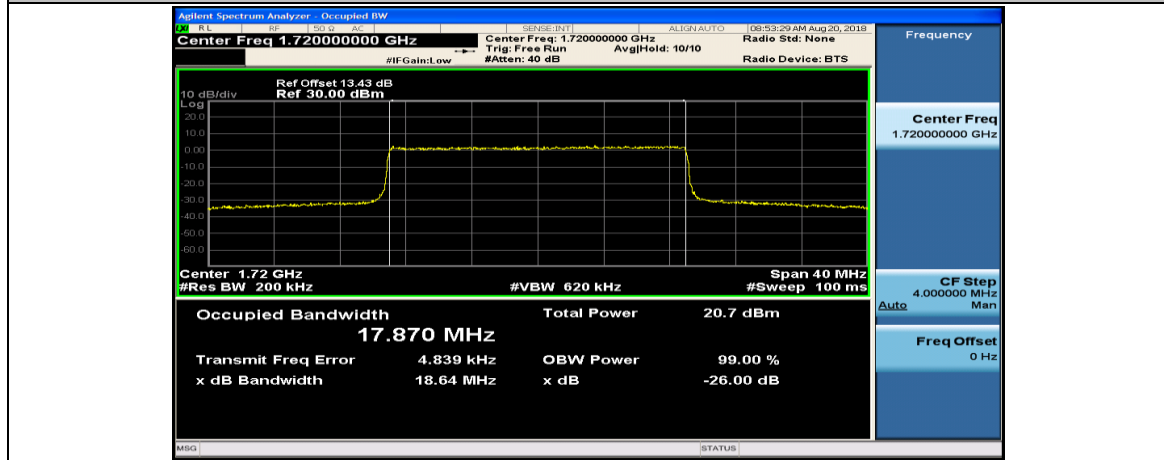


(Channel Bandwidth: 20 MHz)_HCH_QPSK_100RB#0

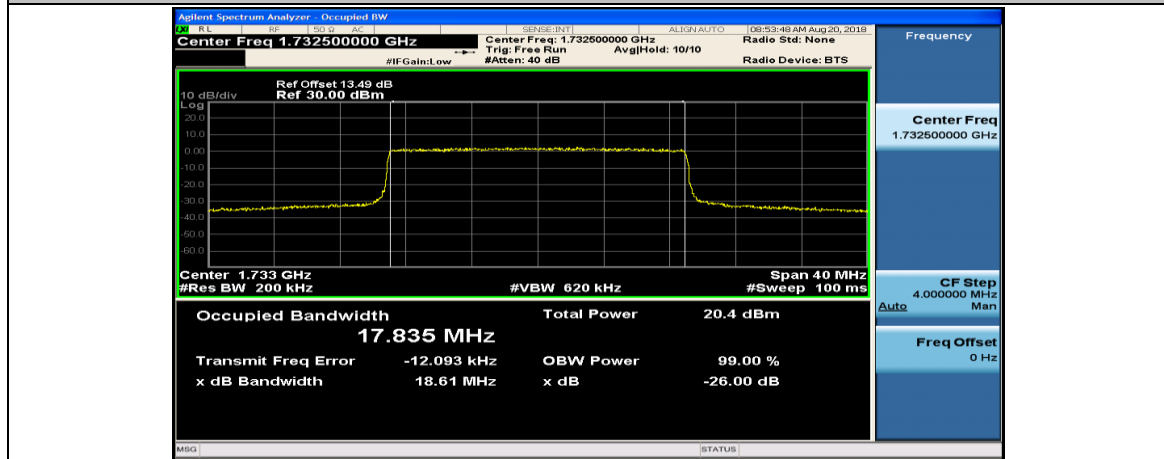




(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_MCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0

