



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	23.18	PASS
		1	2	23.08	PASS
		1	5	22.93	PASS
		3	0	22.28	PASS
		3	1	22.29	PASS
		3	3	22.28	PASS
		6	0	22.24	PASS
	MCH	1	0	23.08	PASS
		1	2	23.06	PASS
		1	5	22.90	PASS
		3	0	22.14	PASS
		3	1	22.12	PASS
		3	3	22.09	PASS
		6	0	22.07	PASS
	HCH	1	0	23.15	PASS
		1	2	23.09	PASS
		1	5	22.99	PASS
		3	0	22.29	PASS
		3	1	22.26	PASS
		3	3	22.26	PASS
		6	0	22.09	PASS
16QAM	LCH	1	0	22.41	PASS
		1	2	22.44	PASS
		1	5	22.27	PASS
		3	0	21.42	PASS
		3	1	21.36	PASS
		3	3	21.33	PASS
		6	0	21.20	PASS
	MCH	1	0	22.28	PASS
		1	2	22.22	PASS
		1	5	22.23	PASS
		3	0	21.22	PASS



		3	1	21.14	PASS
		3	3	21.24	PASS
		6	0	21.07	PASS
	HCH	1	0	22.47	PASS
		1	2	22.47	PASS
		1	5	22.25	PASS
		3	0	21.32	PASS
		3	1	21.29	PASS
		3	3	21.17	PASS
		6	0	21.08	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.24	PASS
		1	7	23.13	PASS
		1	14	23.02	PASS
		8	0	23.12	PASS
		8	3	23.11	PASS
		8	7	23.09	PASS
		15	0	22.19	PASS
	MCH	1	0	22.85	PASS
		1	7	22.89	PASS
		1	14	22.94	PASS
		8	0	23.09	PASS
		8	3	23.09	PASS
		8	7	22.97	PASS
		15	0	22.10	PASS
	HCH	1	0	23.09	PASS
		1	7	23.15	PASS
		1	14	22.96	PASS
		8	0	23.09	PASS
		8	3	23.15	PASS
		8	7	23.06	PASS
		15	0	22.12	PASS
16QAM	LCH	1	0	22.29	PASS
		1	7	22.40	PASS
		1	14	22.28	PASS



		8	0	22.32	PASS
		8	3	22.38	PASS
		8	7	22.22	PASS
		15	0	21.29	PASS
	MCH	1	0	22.22	PASS
		1	7	22.33	PASS
		1	14	22.12	PASS
		8	0	22.16	PASS
		8	3	22.31	PASS
		8	7	22.03	PASS
		15	0	21.17	PASS
	HCH	1	0	22.52	PASS
		1	7	22.44	PASS
		1	14	22.37	PASS
		8	0	22.17	PASS
		8	3	22.23	PASS
		8	7	22.24	PASS
		15	0	21.35	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.27	PASS
		1	12	22.99	PASS
		1	24	23.06	PASS
		12	0	22.19	PASS
		12	6	22.20	PASS
		12	13	22.14	PASS
		25	0	22.11	PASS
		25	0	22.11	PASS
	MCH	1	0	23.11	PASS
		1	12	23.05	PASS
		1	24	23.05	PASS
		12	0	22.14	PASS
		12	6	22.05	PASS
		12	13	22.18	PASS
		25	0	22.13	PASS
		25	0	22.13	PASS
	HCH	1	0	23.23	PASS
		1	12	23.12	PASS
		1	24	23.01	PASS



		12	0	22.24	PASS
		12	6	22.36	PASS
		12	13	22.19	PASS
		25	0	22.37	PASS
16QAM	LCH	1	0	22.55	PASS
		1	12	22.29	PASS
		1	24	22.33	PASS
		12	0	21.26	PASS
		12	6	21.21	PASS
		12	13	21.19	PASS
		25	0	21.14	PASS
	MCH	1	0	22.46	PASS
		1	12	22.27	PASS
		1	24	22.28	PASS
		12	0	21.12	PASS
		12	6	21.21	PASS
		12	13	21.19	PASS
		25	0	21.19	PASS
	HCH	1	0	22.51	PASS
		1	12	22.50	PASS
		1	24	22.30	PASS
		12	0	21.32	PASS
		12	6	21.33	PASS
		12	13	21.19	PASS
		25	0	21.25	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.42	PASS
		1	24	23.12	PASS
		1	49	23.48	PASS
		25	0	22.46	PASS
		25	12	22.21	PASS
		25	25	22.32	PASS
		50	0	22.44	PASS
	MCH	1	0	23.32	PASS
		1	24	23.19	PASS
		1	49	23.42	PASS



		25	0	22.35	PASS
		25	12	22.36	PASS
		25	25	22.28	PASS
		50	0	22.39	PASS
	HCH	1	0	23.53	PASS
		1	24	23.08	PASS
		1	49	23.46	PASS
		25	0	22.42	PASS
		25	12	22.19	PASS
		25	25	22.19	PASS
		50	0	22.41	PASS
16QAM	LCH	1	0	22.71	PASS
		1	24	22.49	PASS
		1	49	22.61	PASS
		25	0	21.27	PASS
		25	12	21.24	PASS
		25	25	21.30	PASS
		50	0	21.37	PASS
	MCH	1	0	22.71	PASS
		1	24	22.48	PASS
		1	49	22.63	PASS
		25	0	21.53	PASS
		25	12	21.29	PASS
		25	25	21.23	PASS
		50	0	21.33	PASS
	HCH	1	0	22.77	PASS
		1	24	22.31	PASS
		1	49	22.66	PASS
		25	0	21.38	PASS
		25	12	21.19	PASS
		25	25	21.09	PASS
		50	0	21.33	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.46	PASS
		1	37	23.34	PASS
		1	74	23.24	PASS



		36	0	22.41	PASS
		36	19	22.31	PASS
		36	39	22.18	PASS
		75	0	22.41	PASS
	MCH	1	0	23.31	PASS
		1	37	23.35	PASS
		1	74	23.29	PASS
		36	0	22.44	PASS
		36	19	22.27	PASS
		36	39	22.28	PASS
		75	0	22.42	PASS
	HCH	1	0	23.37	PASS
		1	37	23.45	PASS
		1	74	23.33	PASS
		36	0	22.59	PASS
		36	19	22.42	PASS
		36	39	22.40	PASS
		75	0	22.41	PASS
16QAM	LCH	1	0	22.75	PASS
		1	37	22.39	PASS
		1	74	22.40	PASS
		36	0	21.27	PASS
		36	19	21.31	PASS
		36	39	21.15	PASS
		75	0	21.31	PASS
	MCH	1	0	22.74	PASS
		1	37	22.46	PASS
		1	74	22.39	PASS
		36	0	21.43	PASS
		36	19	21.29	PASS
		36	39	21.26	PASS
		75	0	21.42	PASS
	HCH	1	0	22.71	PASS
		1	37	22.49	PASS
		1	74	22.59	PASS
		36	0	21.58	PASS
		36	19	21.38	PASS
		36	39	21.24	PASS
		75	0	21.41	PASS



Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.57	PASS
		1	49	23.14	PASS
		1	99	23.11	PASS
		50	0	22.30	PASS
		50	25	22.29	PASS
		50	50	22.11	PASS
		100	0	22.13	PASS
	MCH	1	0	23.52	PASS
		1	49	22.92	PASS
		1	99	23.10	PASS
		50	0	22.35	PASS
		50	25	22.07	PASS
		50	50	22.07	PASS
		100	0	22.15	PASS
	HCH	1	0	23.48	PASS
		1	49	23.21	PASS
		1	99	23.32	PASS
		50	0	22.55	PASS
		50	25	22.38	PASS
		50	50	22.43	PASS
		100	0	22.44	PASS
16QAM	LCH	1	0	22.82	PASS
		1	49	22.32	PASS
		1	99	22.33	PASS
		50	0	21.32	PASS
		50	25	21.31	PASS
		50	50	21.10	PASS
		100	0	21.16	PASS
	MCH	1	0	22.85	PASS
		1	49	22.26	PASS
		1	99	22.45	PASS
		50	0	21.28	PASS
		50	25	21.20	PASS
		50	50	21.11	PASS
		100	0	21.11	PASS
	HCH	1	0	22.77	PASS



		1	49	22.56	PASS
		1	99	22.54	PASS
		50	0	21.48	PASS
		50	25	21.45	PASS
		50	50	21.42	PASS
		100	0	21.32	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	3.45	<13	PASS
16QAM	MCH	1	0	4.19	<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	3.19	<13	PASS
16QAM	MCH	1	0	4.13	<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	3.2	<13	PASS
16QAM	MCH	1	0	3.82	<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	<13	PASS
16QAM	MCH	1	0	3.68	<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	2.93	<13	PASS
16QAM	MCH	1	0	3.93	<13	PASS

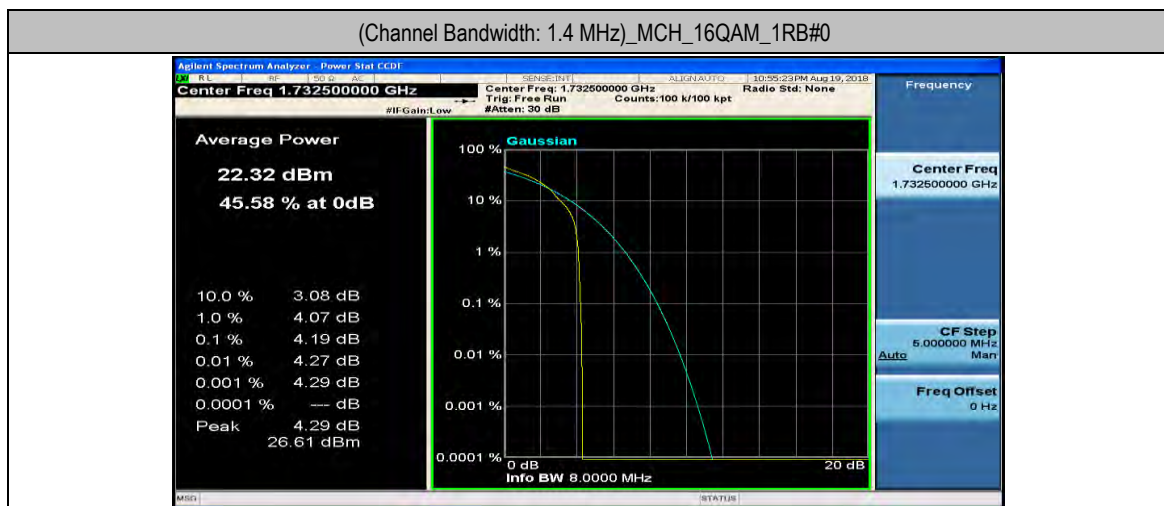
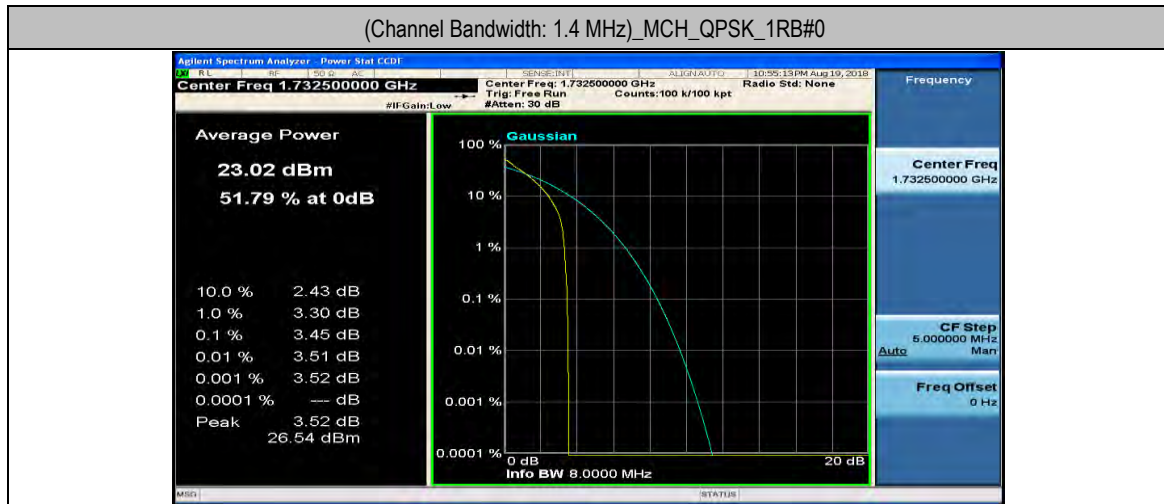
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	2.81	<13	PASS
16QAM	MCH	1	0	3.55	<13	PASS

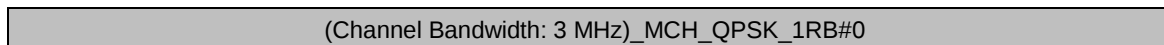


Test Graphs

Channel Bandwidth: 1.4 MHz

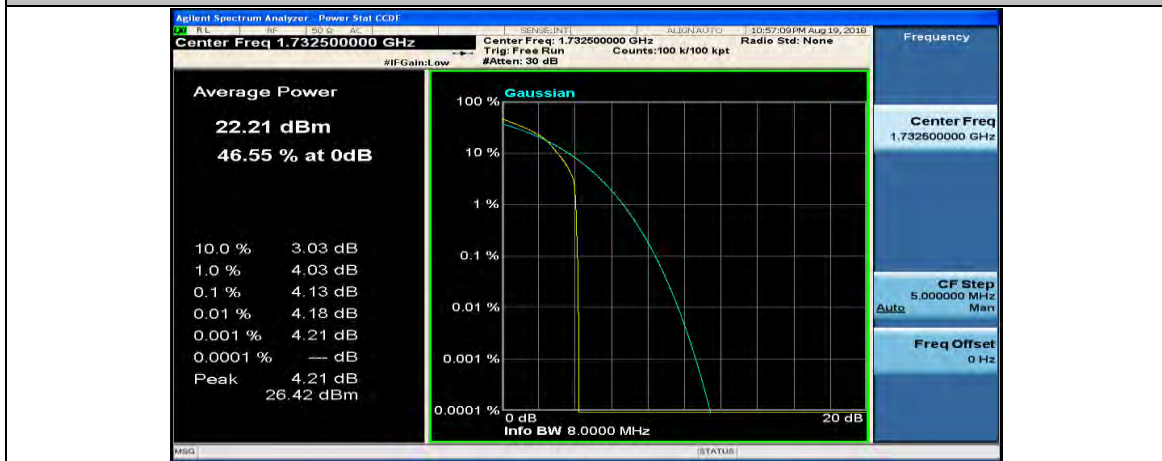


Channel Bandwidth: 3 MHz





(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



Channel Bandwidth: 5 MHz

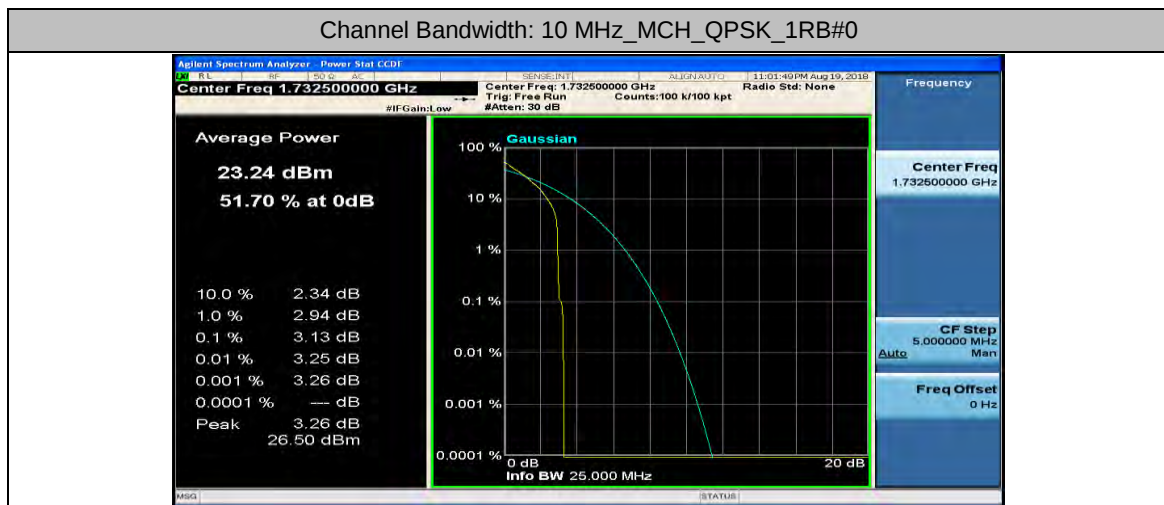
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



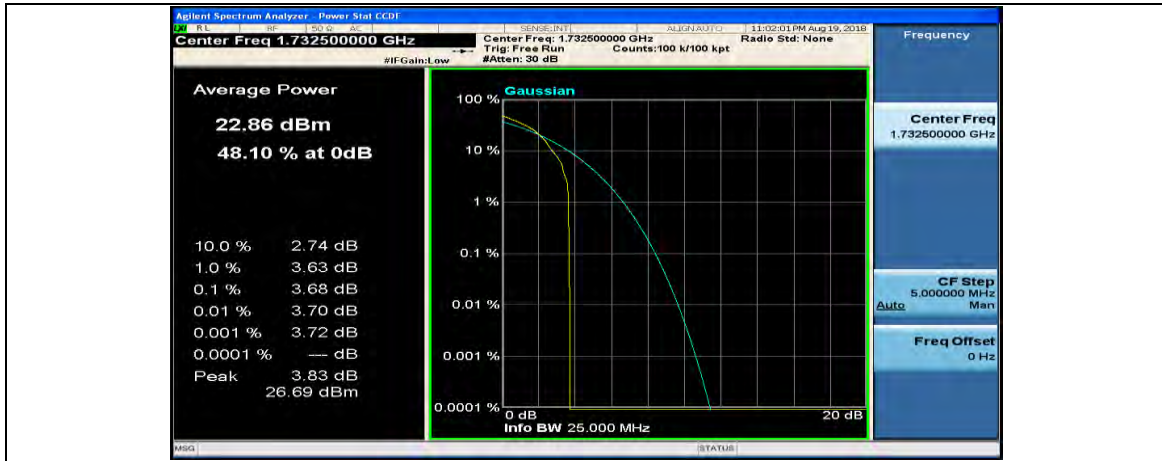
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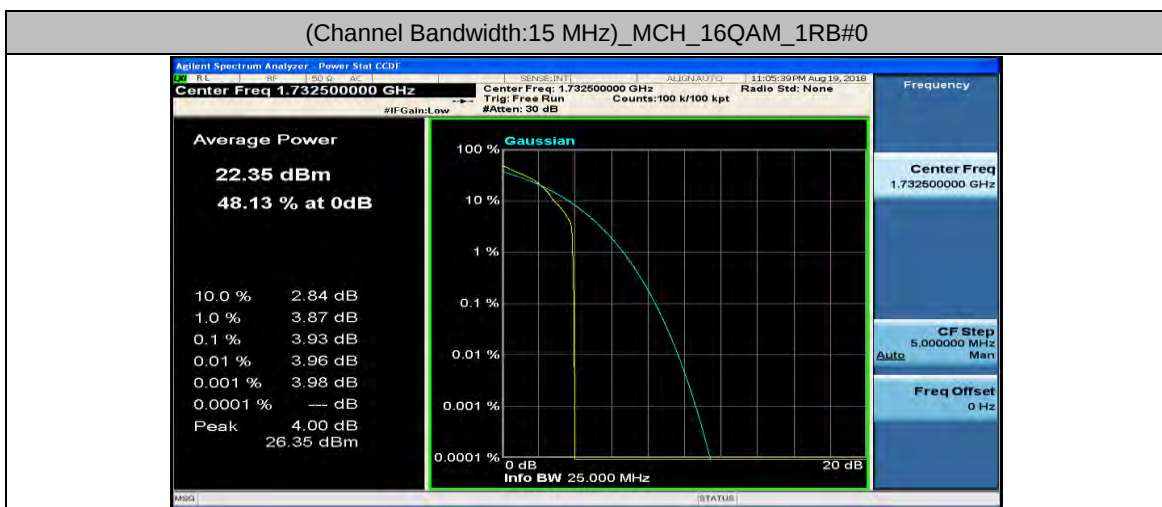
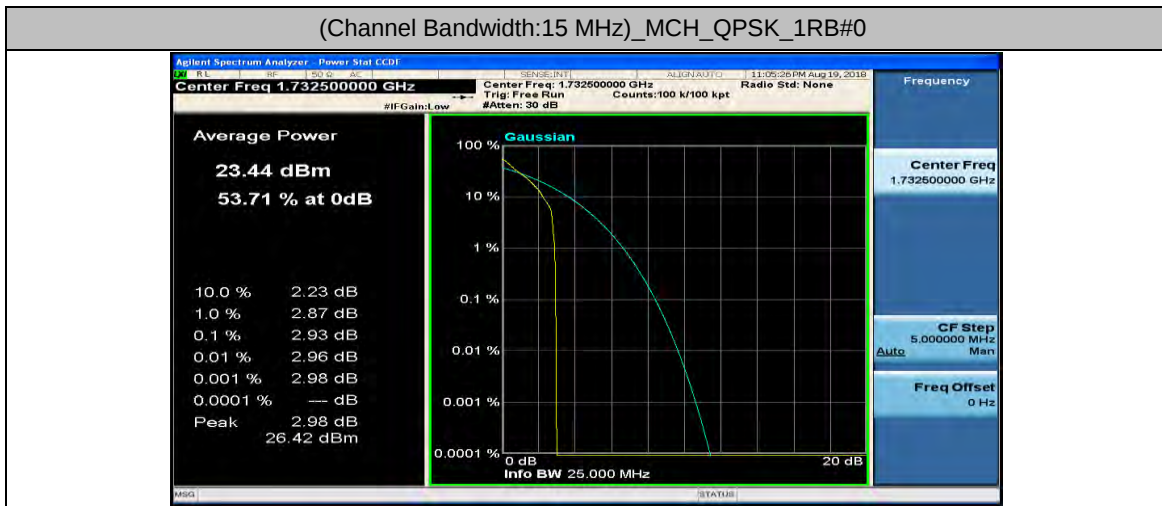
Channel Bandwidth: 10 MHz



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	1.0769	1.195	PASS
	MCH	6	0	1.0753	1.192	PASS
	HCH	6	0	1.0760	1.198	PASS
16QAM	LCH	6	0	1.0762	1.198	PASS
	MCH	6	0	1.0751	1.195	PASS
	HCH	6	0	1.0766	1.214	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	2.6869	2.925	PASS
	MCH	15	0	2.6873	2.908	PASS
	HCH	15	0	2.6862	2.927	PASS
16QAM	LCH	15	0	2.6811	2.897	PASS
	MCH	15	0	2.6807	2.900	PASS
	HCH	15	0	2.6862	2.904	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	4.4723	4.777	PASS
	MCH	25	0	4.4741	4.809	PASS
	HCH	25	0	4.4730	4.815	PASS
16QAM	LCH	25	0	4.4871	4.799	PASS
	MCH	25	0	4.4836	4.822	PASS



	HCH	25	0	4.4867	4.816	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	8.9326	9.489	PASS
	MCH	50	0	8.9250	9.487	PASS
	HCH	50	0	8.9368	9.475	PASS
16QAM	LCH	50	0	8.9472	9.461	PASS
	MCH	50	0	8.9353	9.429	PASS
	HCH	50	0	8.9489	9.427	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	13.427	14.06	PASS
	MCH	75	0	13.418	14.07	PASS
	HCH	75	0	13.430	14.07	PASS
16QAM	LCH	75	0	13.414	14.07	PASS
	MCH	75	0	13.387	14.02	PASS
	HCH	75	0	13.423	14.09	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	17.870	18.65	PASS
	MCH	100	0	17.811	18.63	PASS
	HCH	100	0	17.854	18.62	PASS
16QAM	LCH	100	0	17.881	18.73	PASS



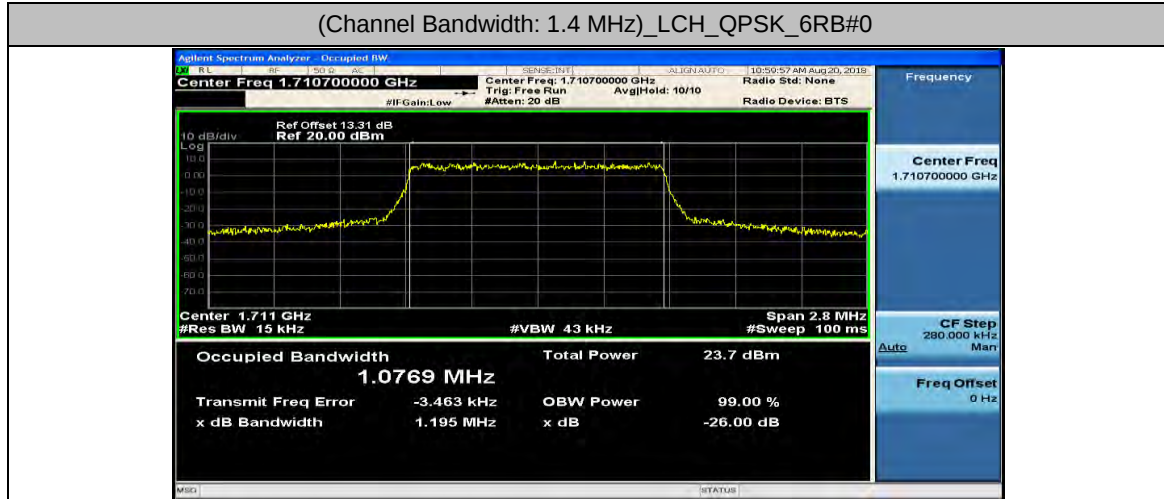
	MCH	100	0	17.827	18.65	PASS
	HCH	100	0	17.857	18.72	PASS



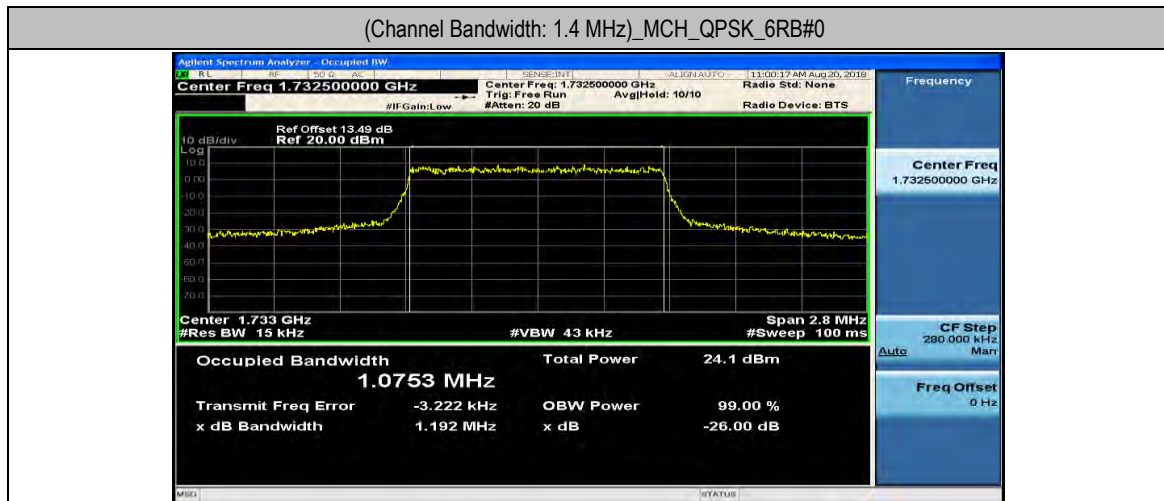
Test Graphs

Channel Bandwidth: 1.4 MHz

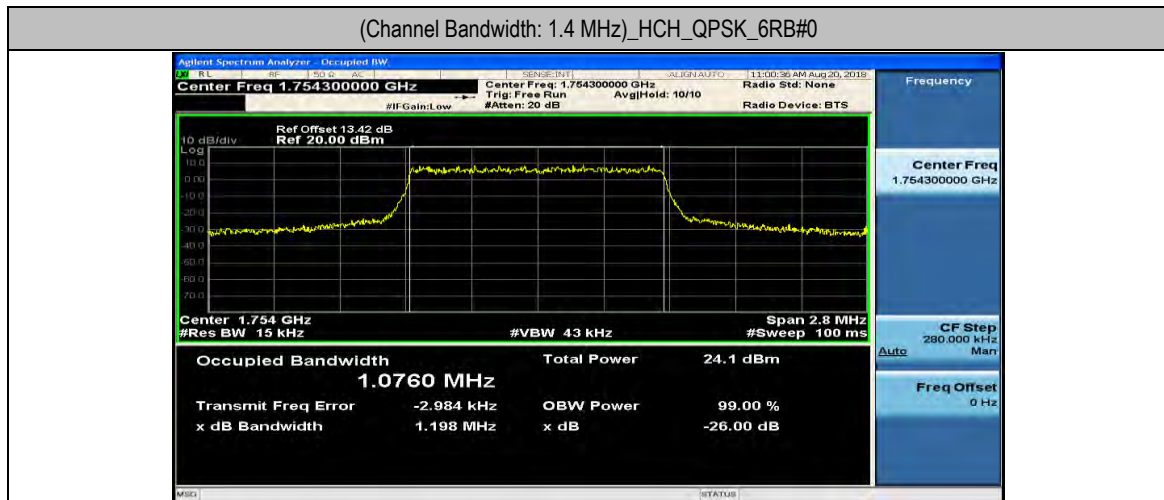
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

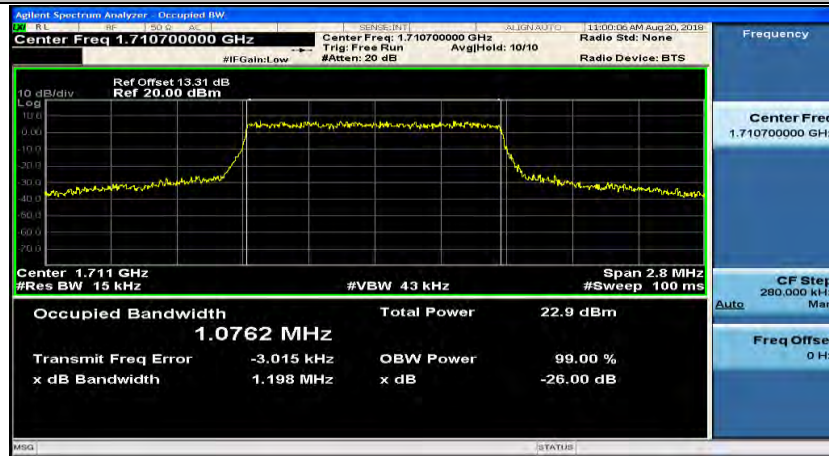


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

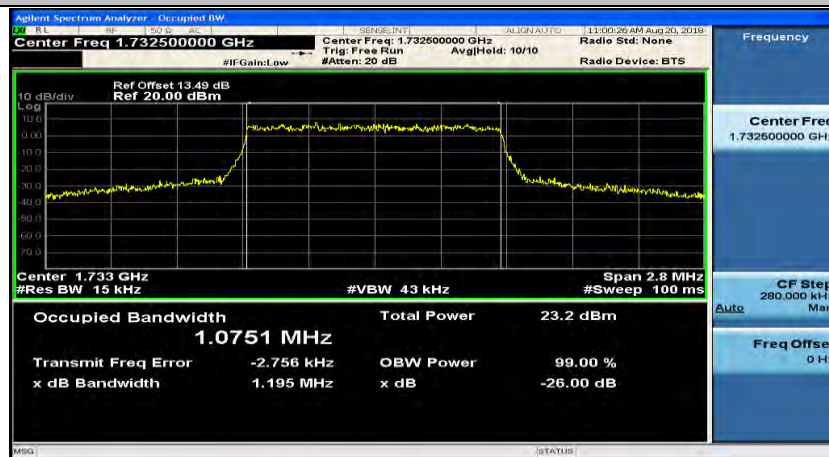




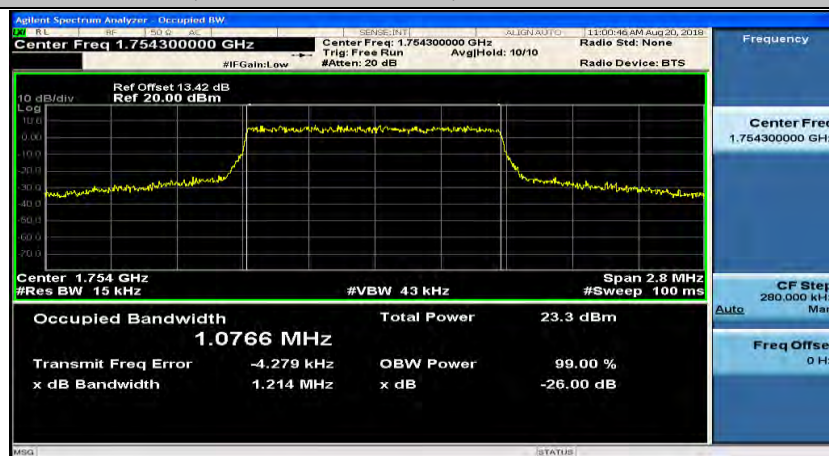
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



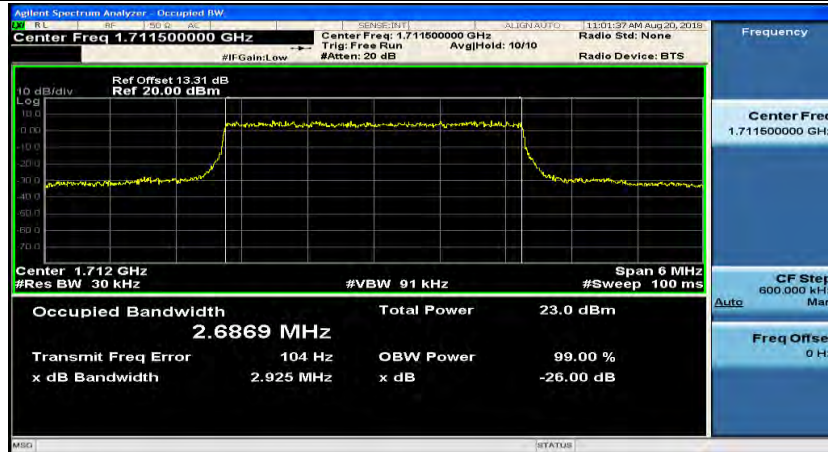
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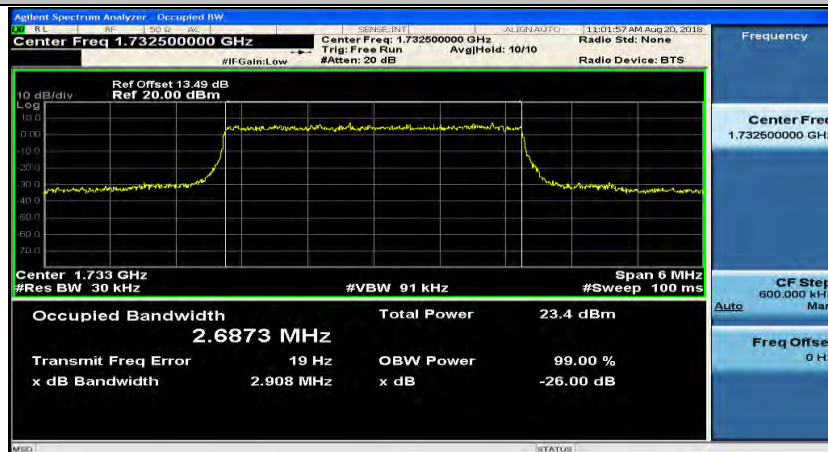


Channel Bandwidth: 3 MHz

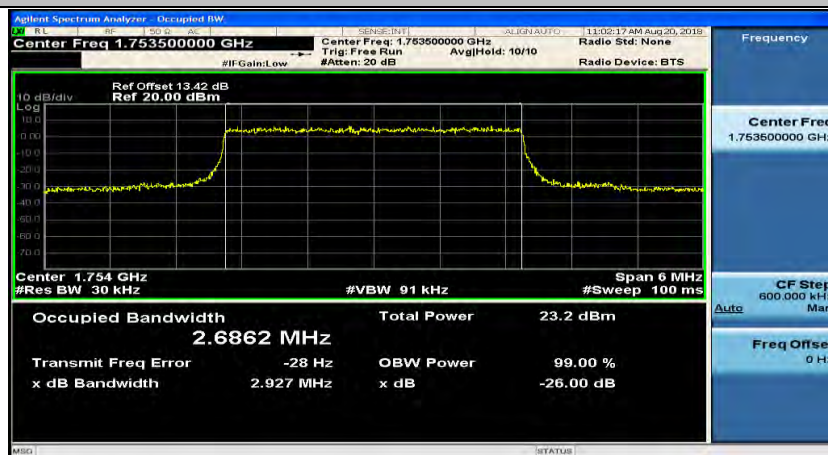
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(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

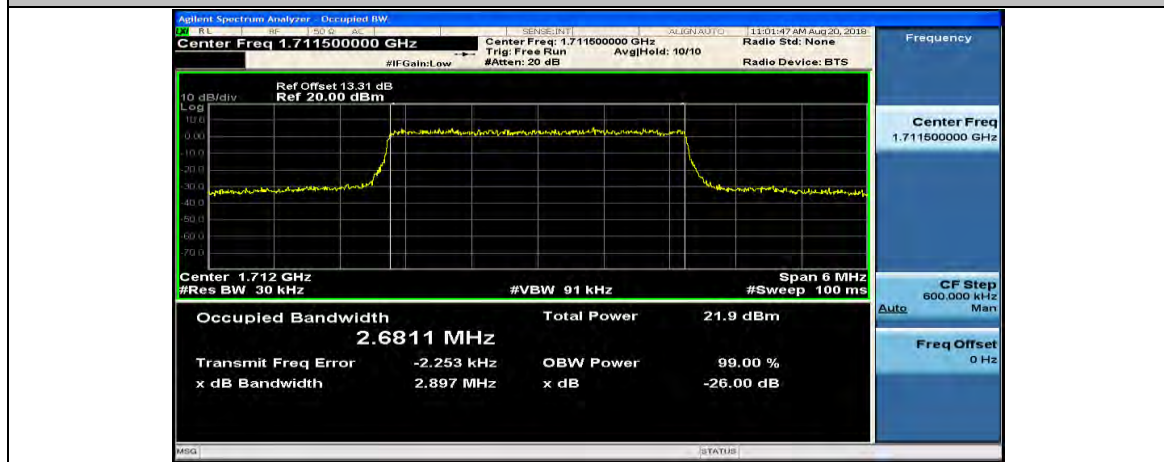


(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

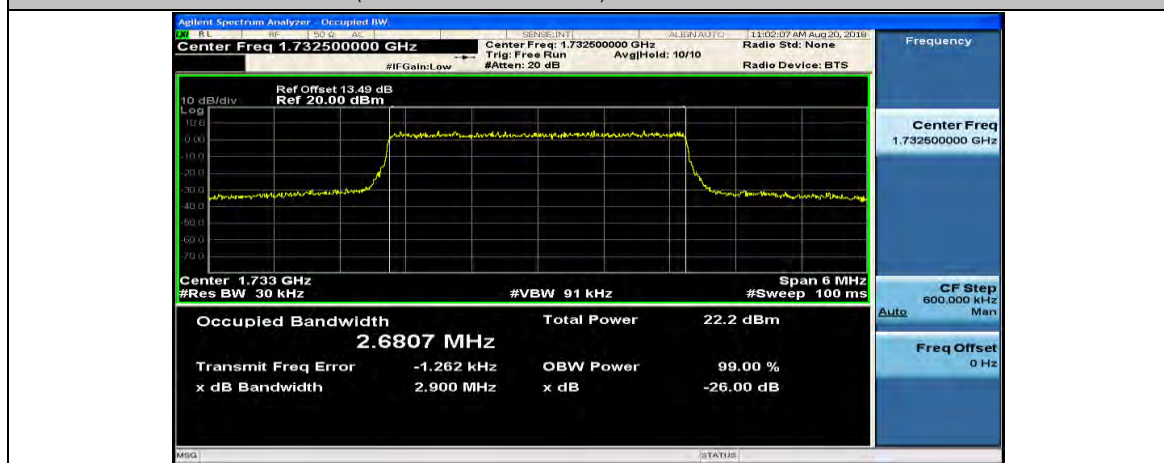




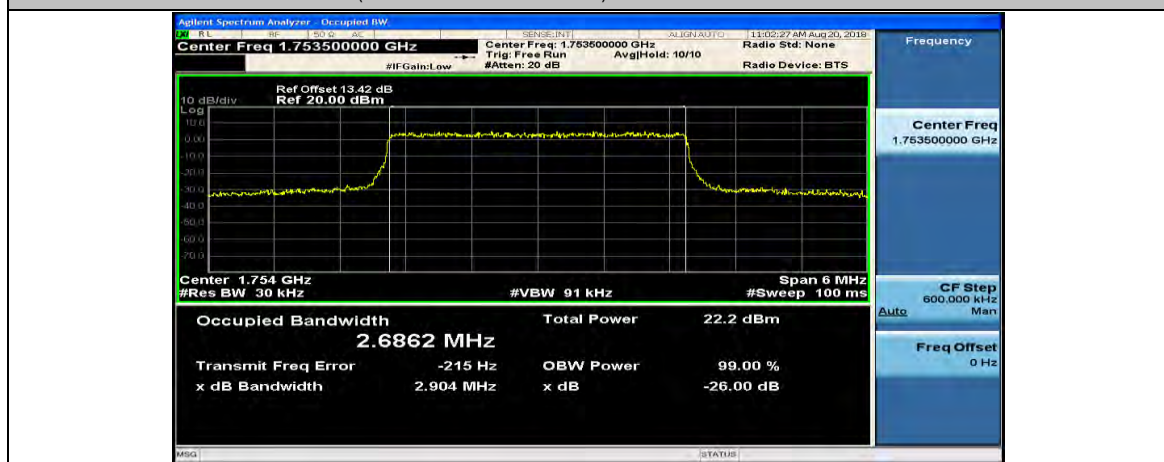
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



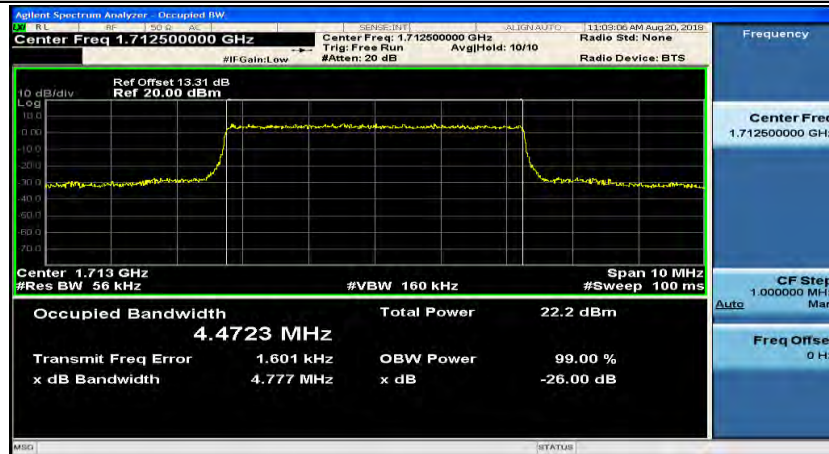
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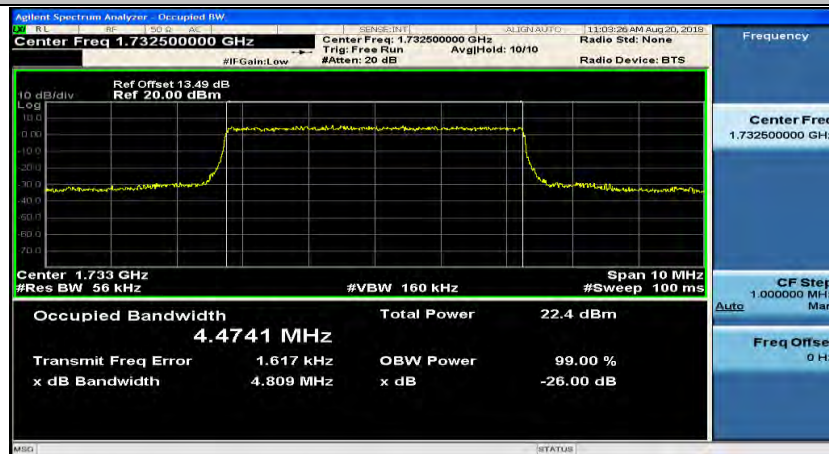


Channel Bandwidth: 5 MHz

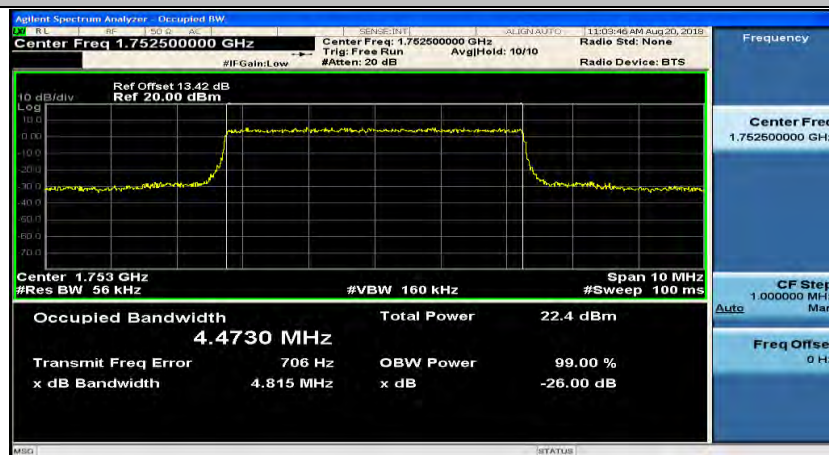
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

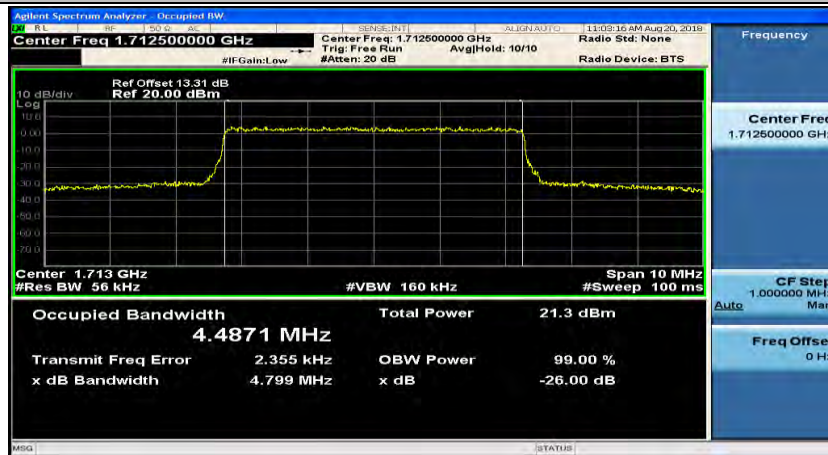


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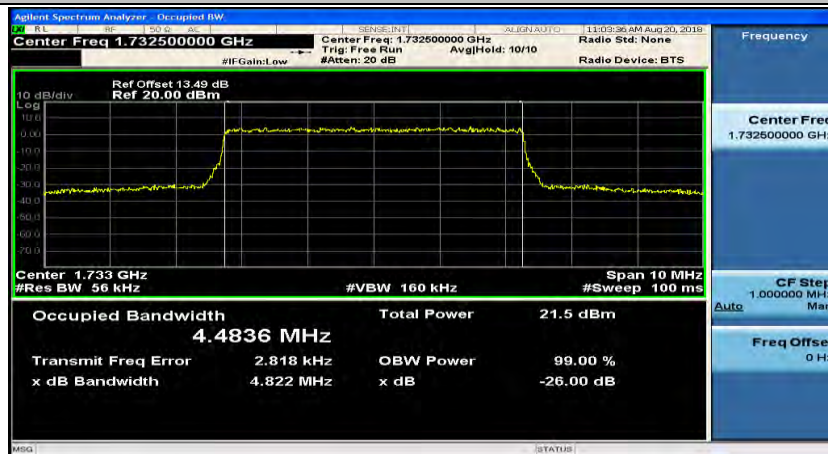




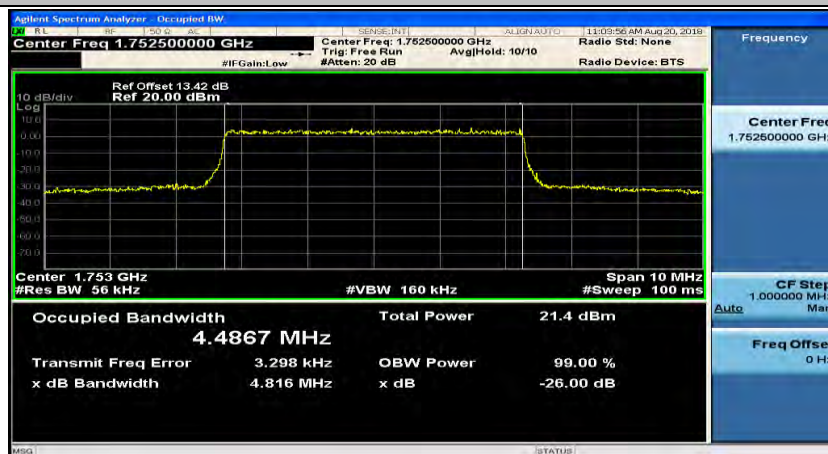
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



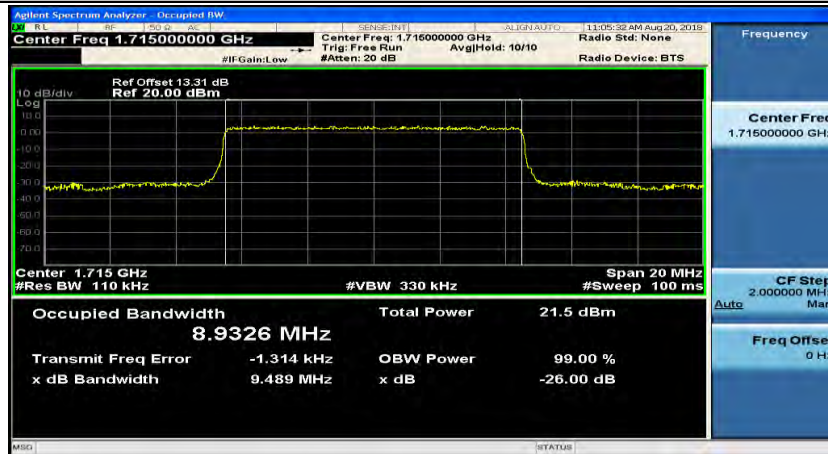
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



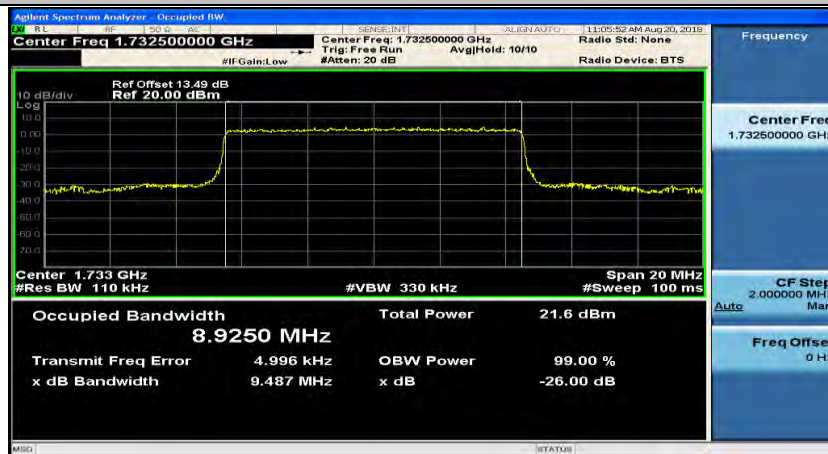


Channel Bandwidth: 10 MHz

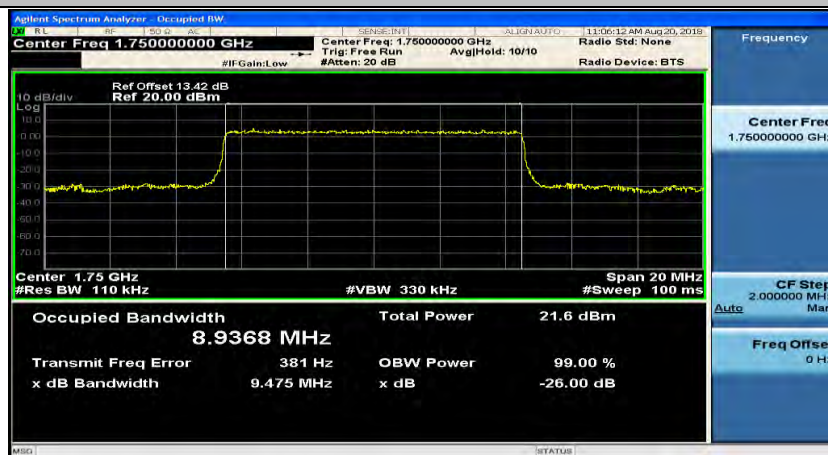
(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0



(Channel Bandwidth: 10 MHz)_MCH_QPSK_50RB#0

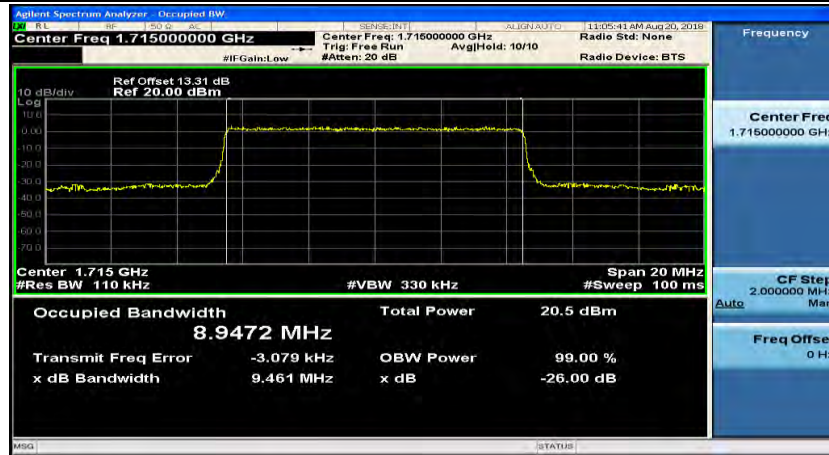


(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0

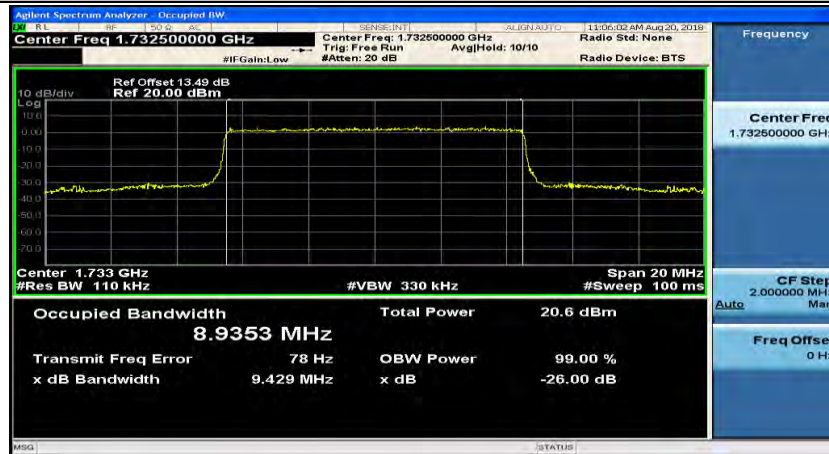




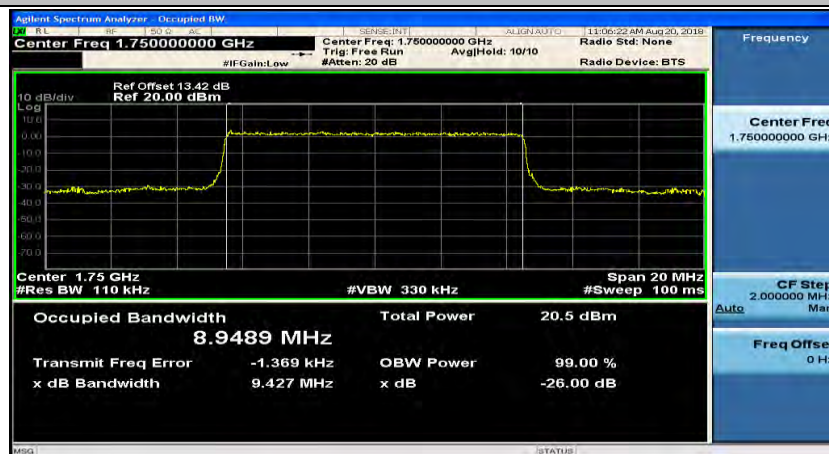
(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



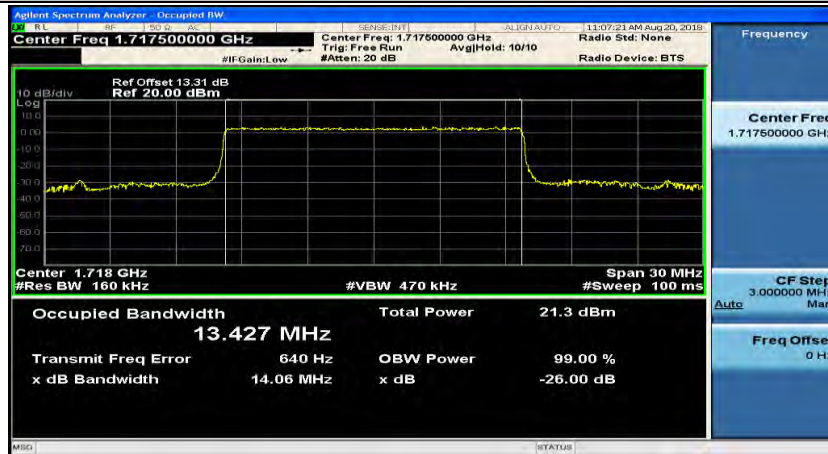
(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



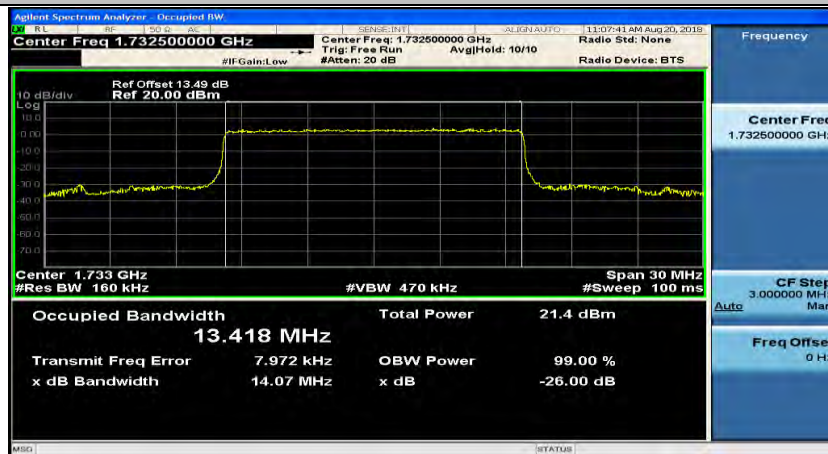


Channel Bandwidth: 15 MHz

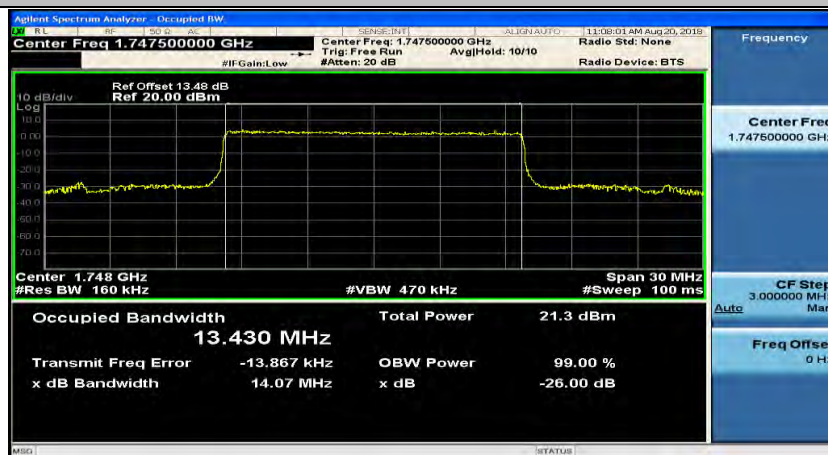
(Channel Bandwidth: 15 MHz)_LCH_QPSK_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_QPSK_75RB#0

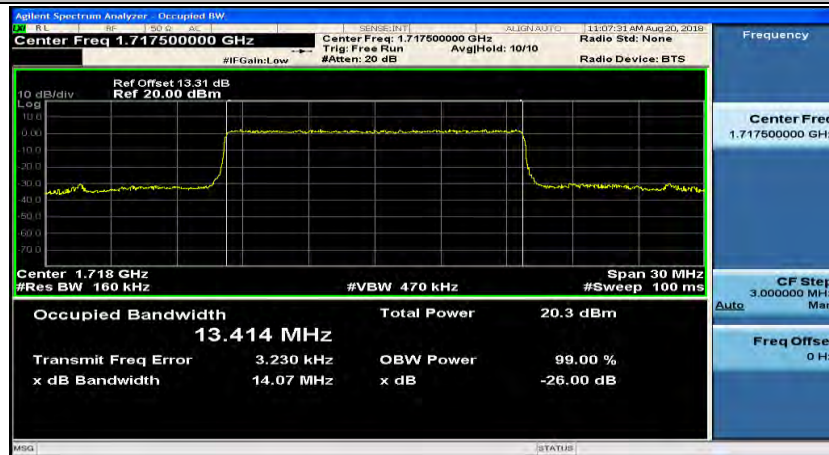


(Channel Bandwidth: 15 MHz)_HCH_QPSK_75RB#0

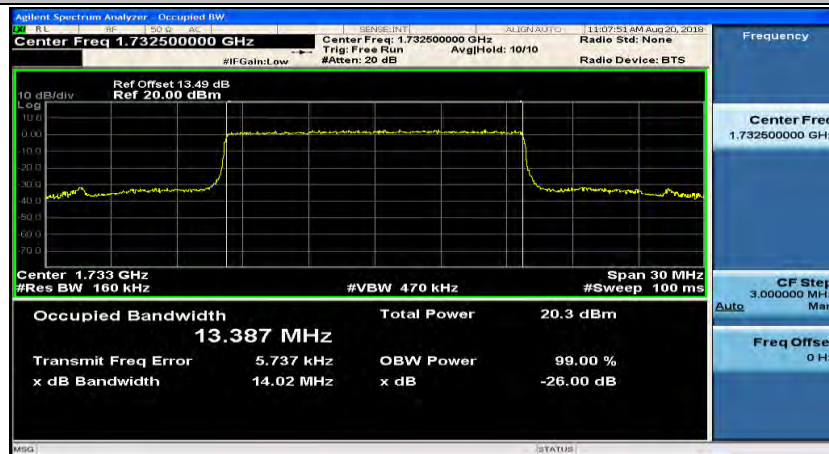




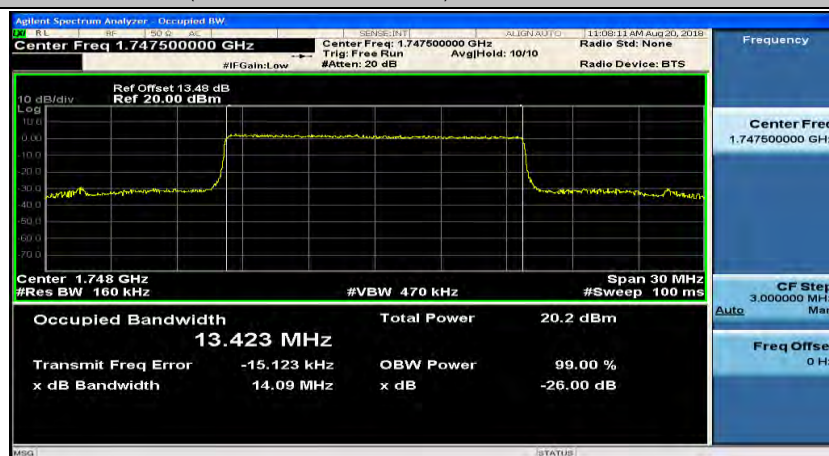
(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_16QAM_75RB#0



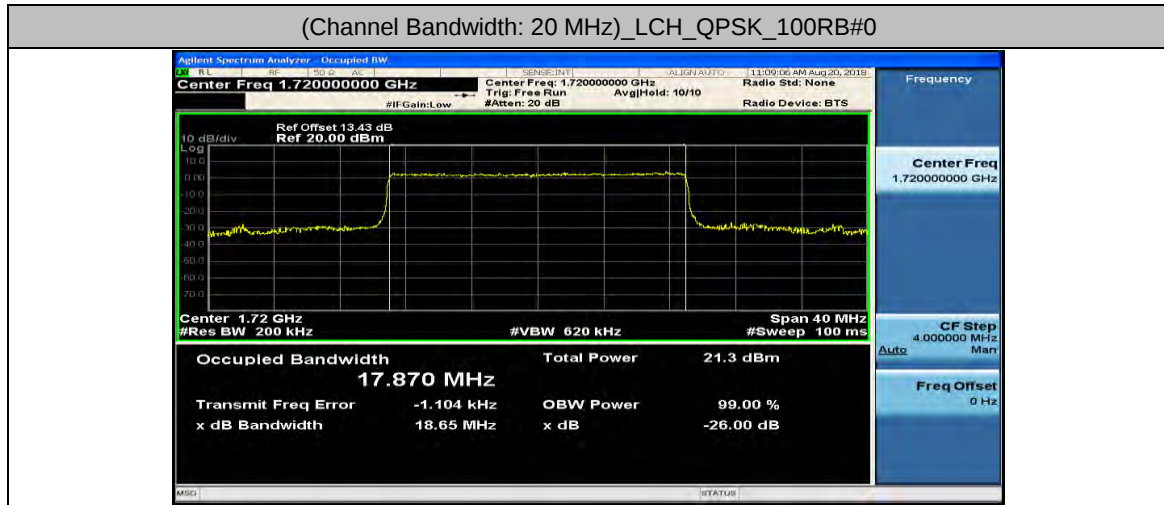
(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0



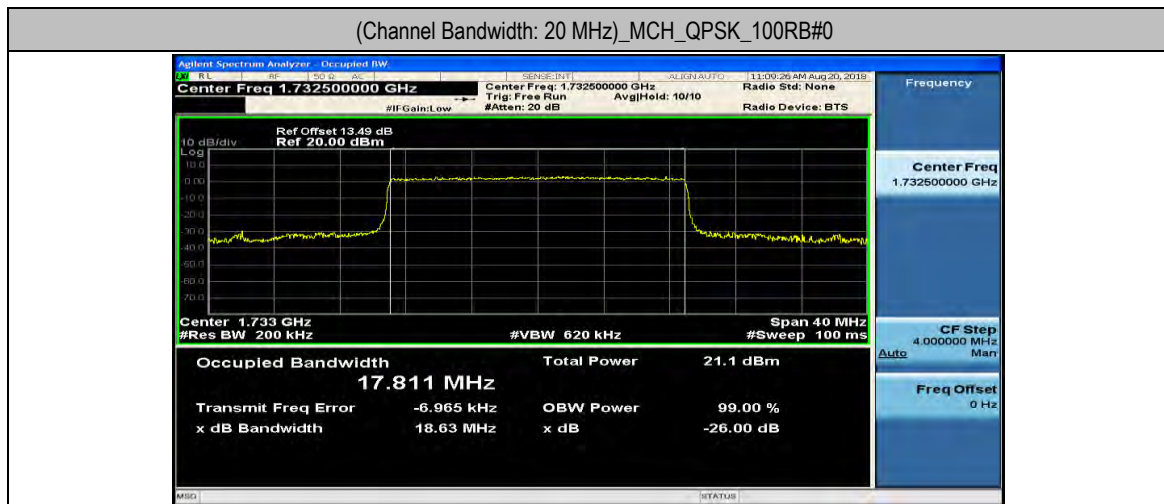


Channel Bandwidth: 20 MHz

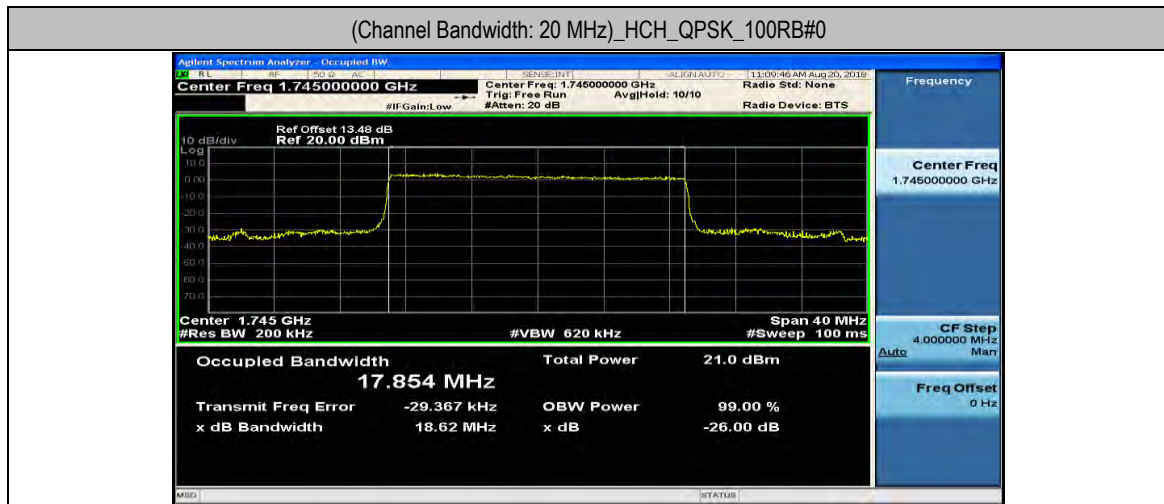
(Channel Bandwidth: 20 MHz)_LCH_QPSK_100RB#0



(Channel Bandwidth: 20 MHz)_MCH_QPSK_100RB#0

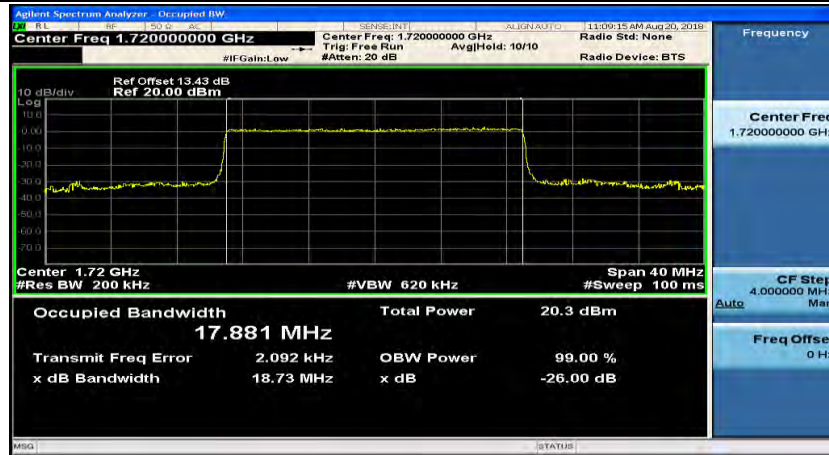


(Channel Bandwidth: 20 MHz)_HCH_QPSK_100RB#0

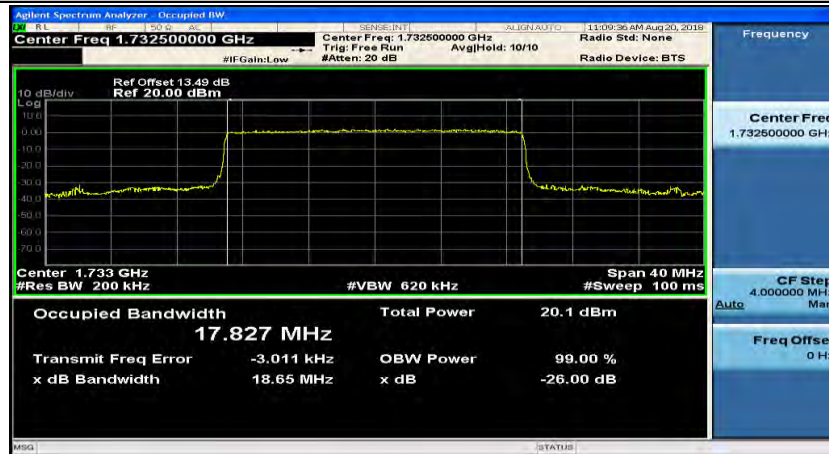




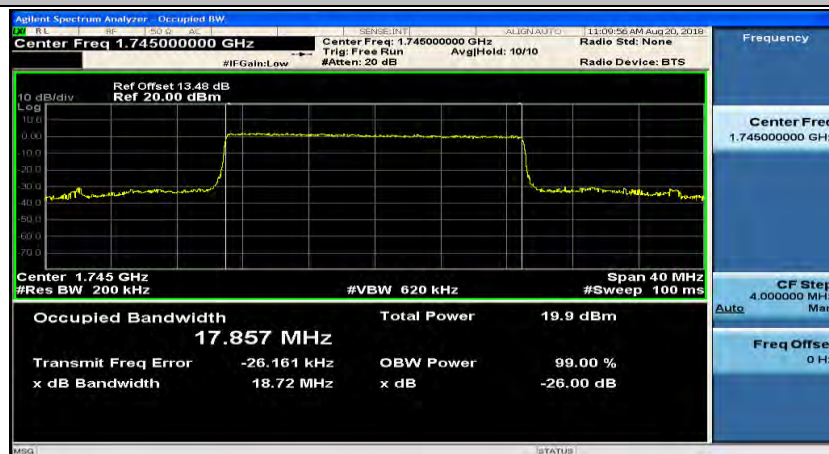
(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_MCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0



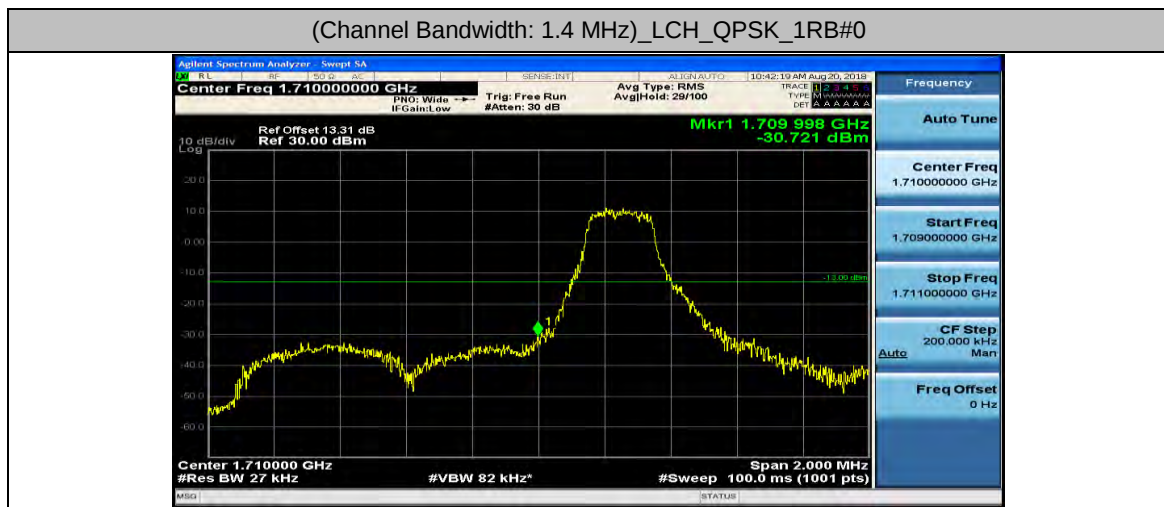


Appendix D: Band Edge

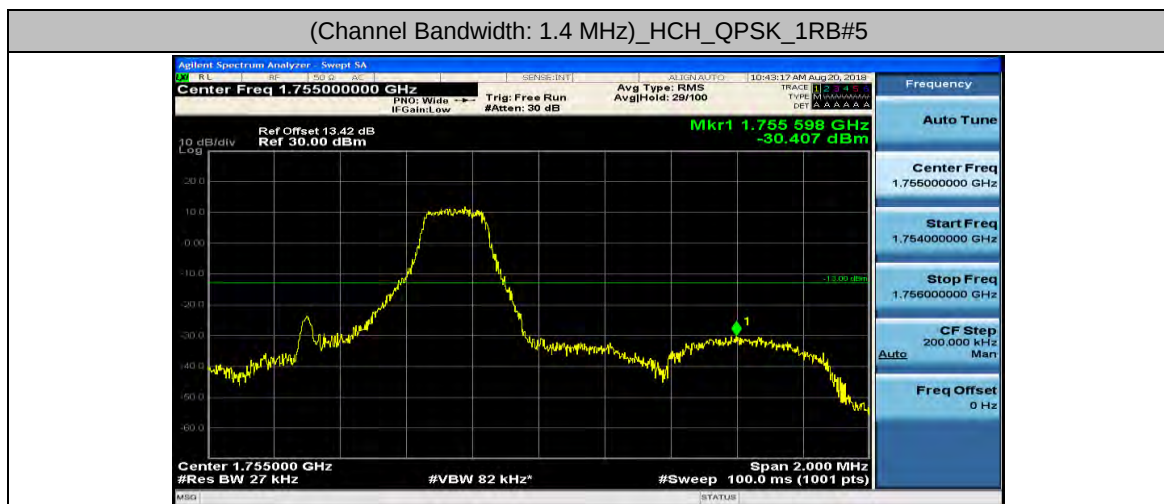
Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5





(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



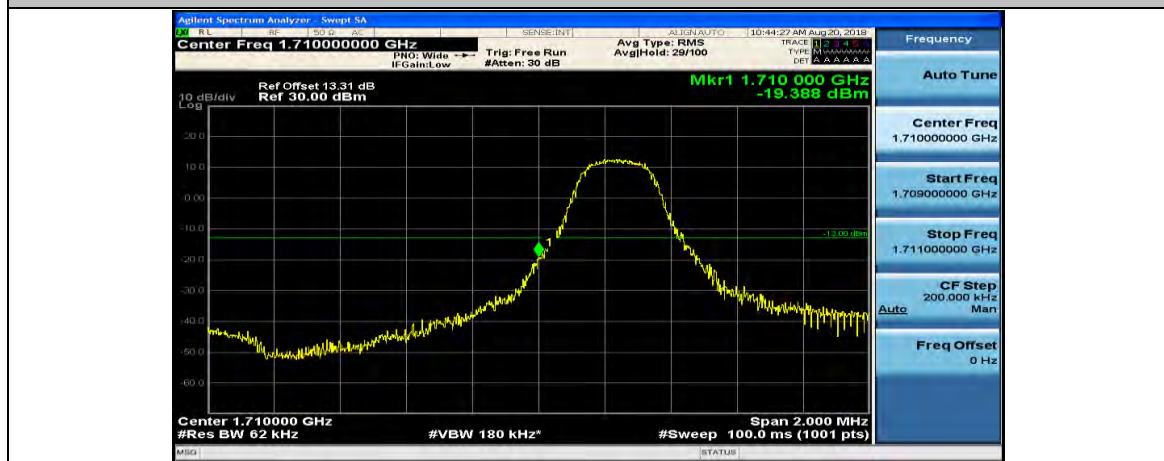


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

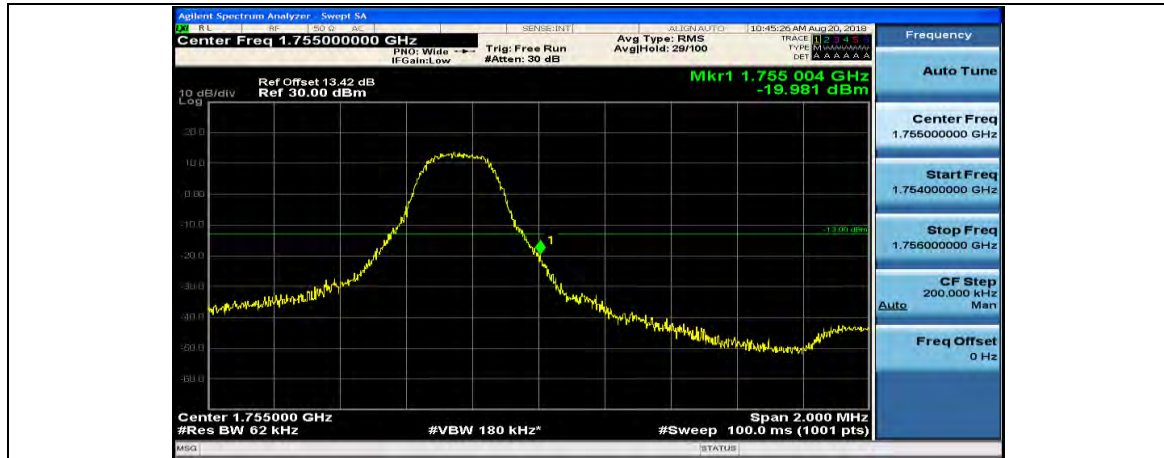


Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



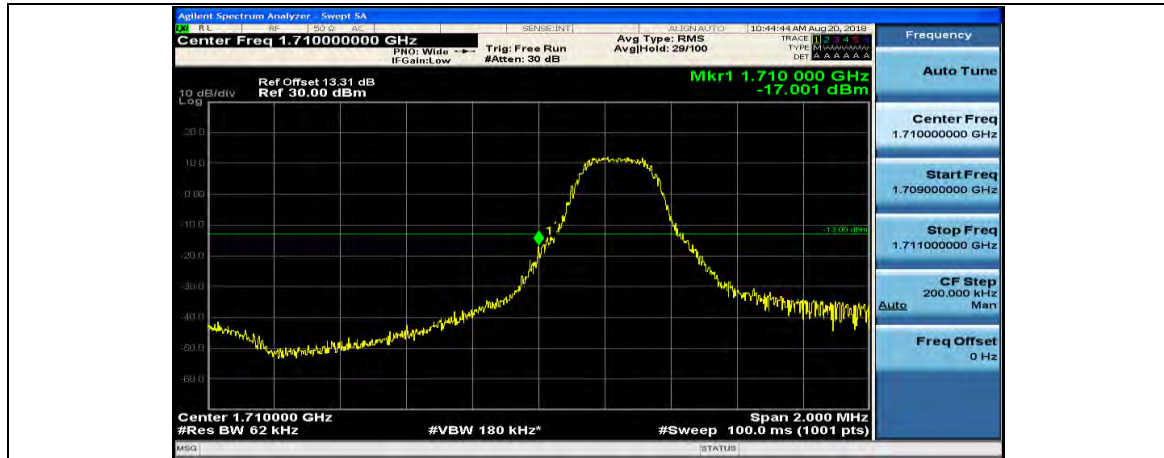
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



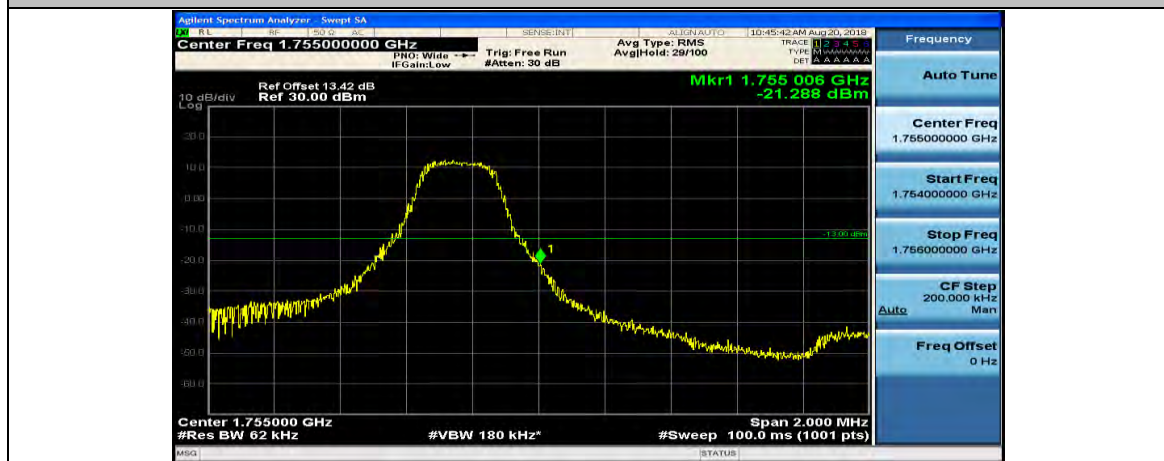
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



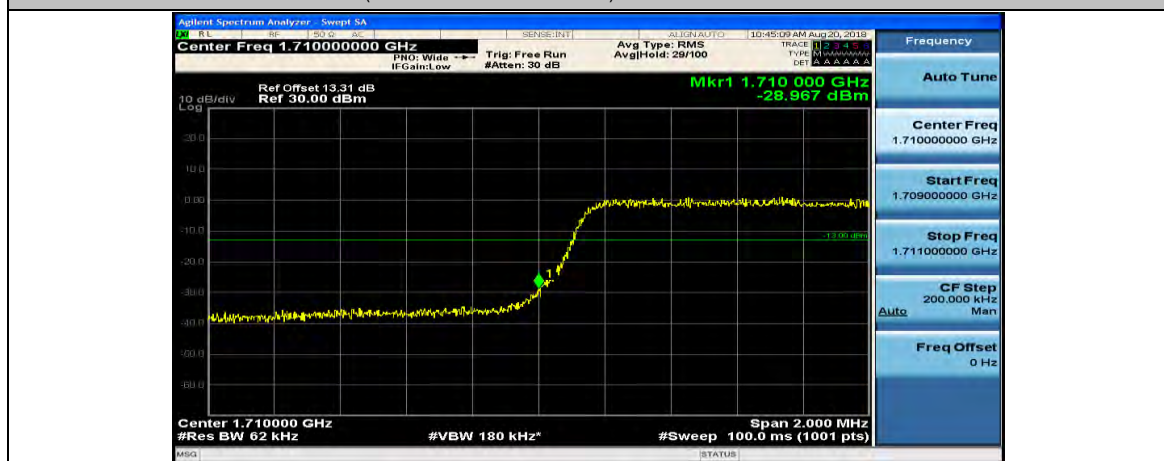
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

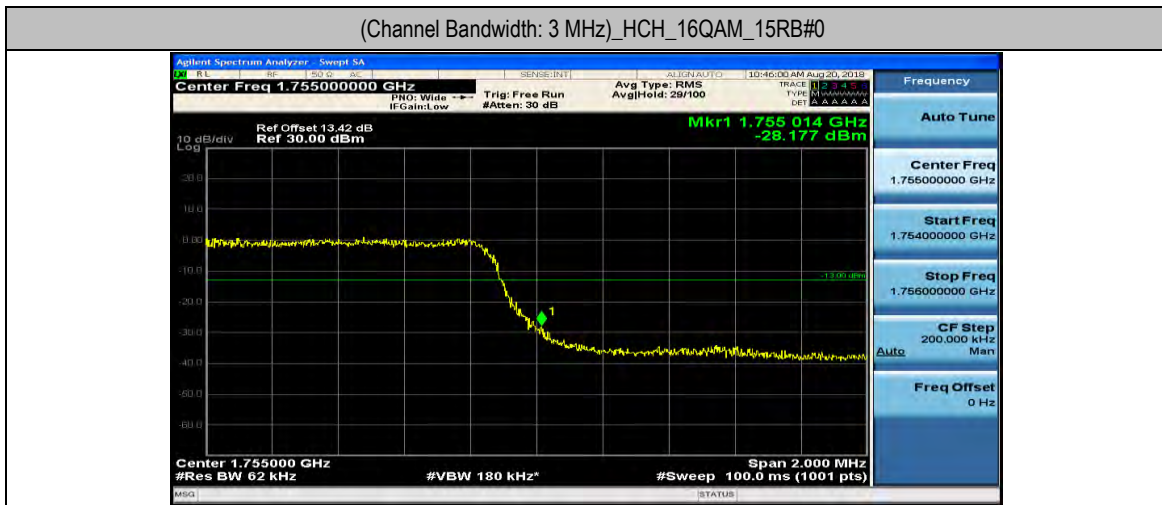


(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



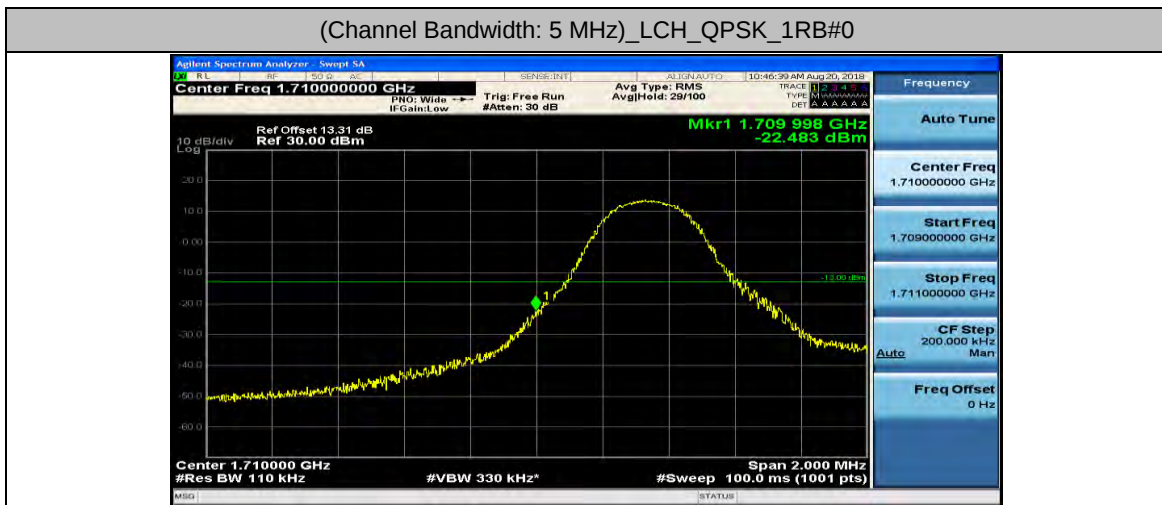


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

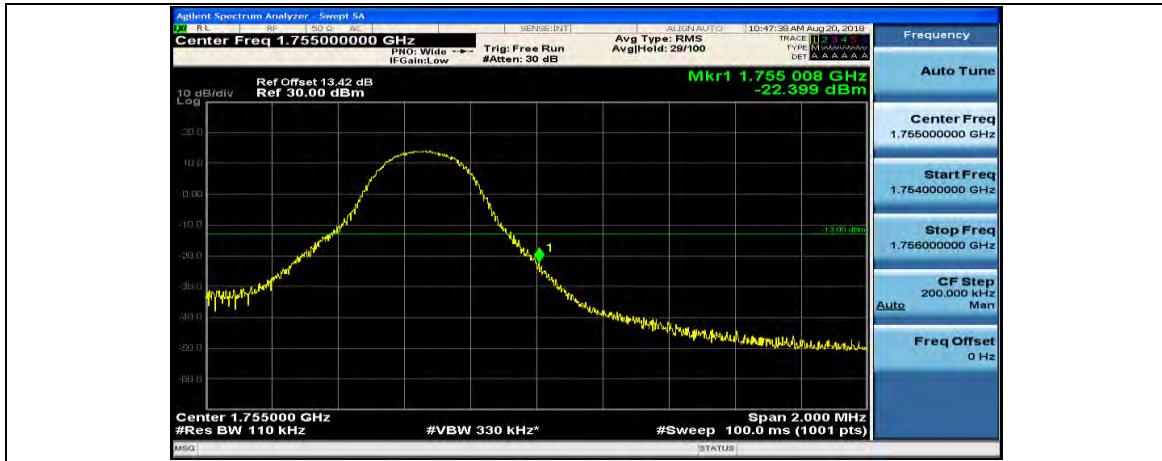


Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0





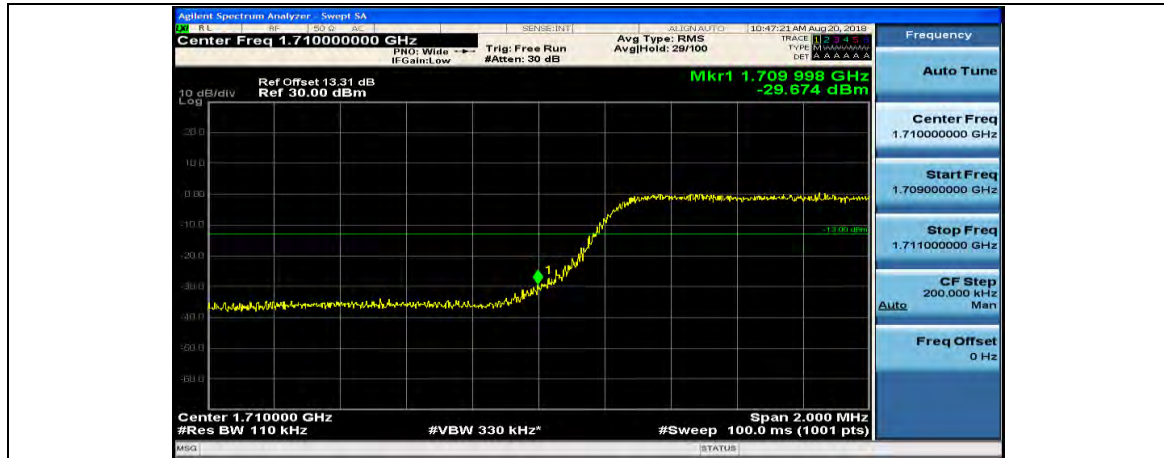
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



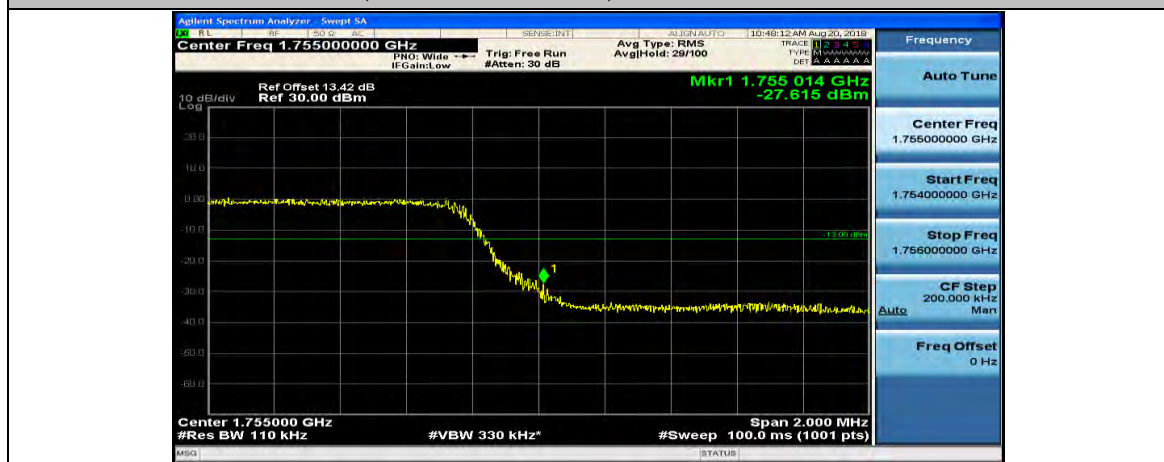
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

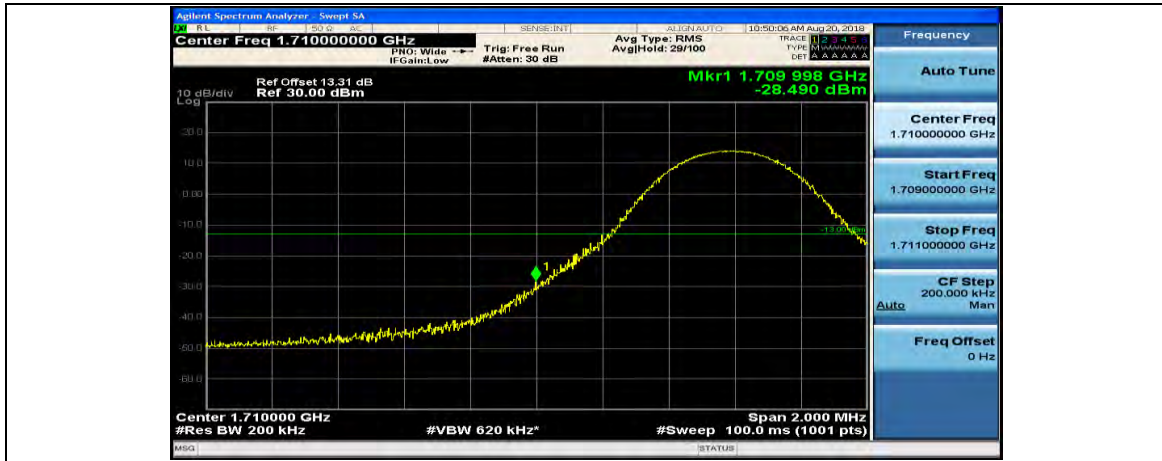


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz

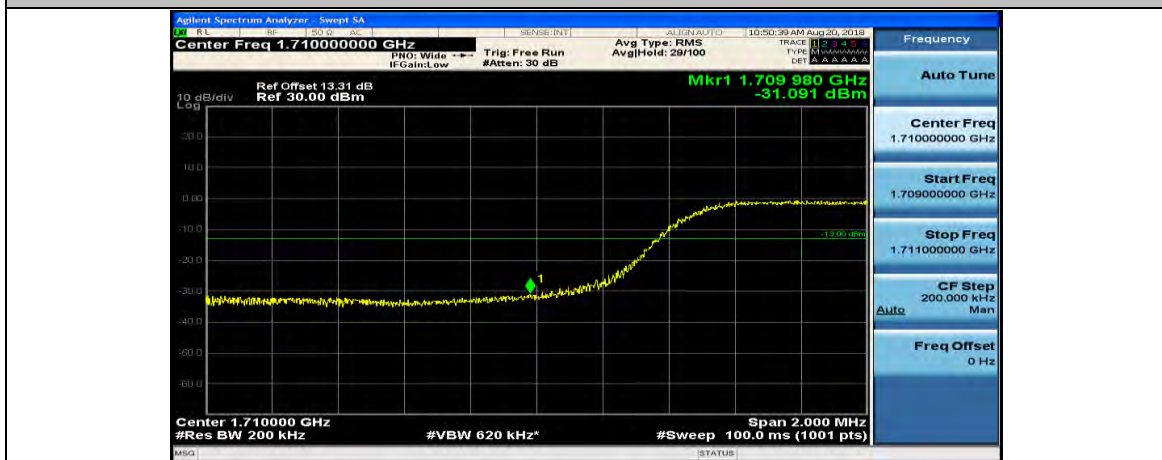
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0

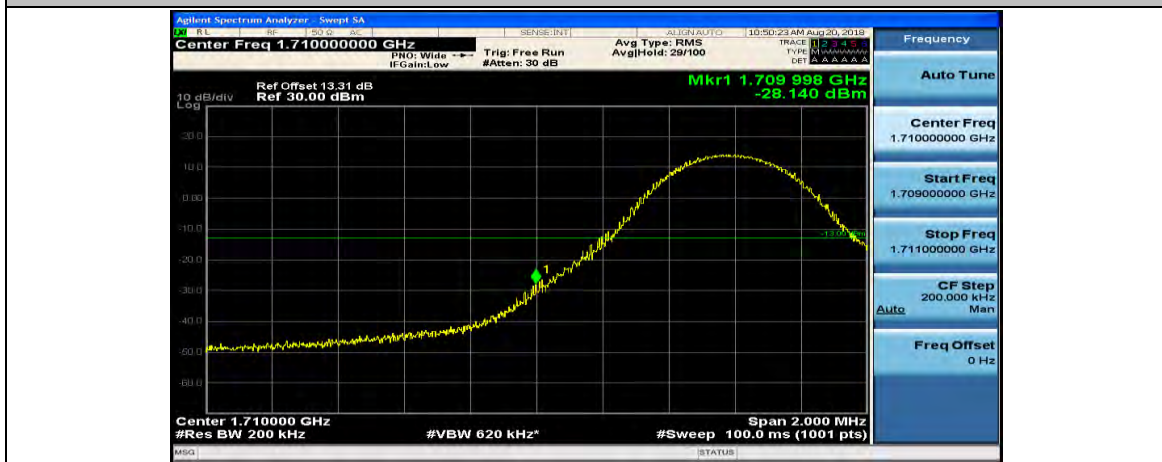




(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



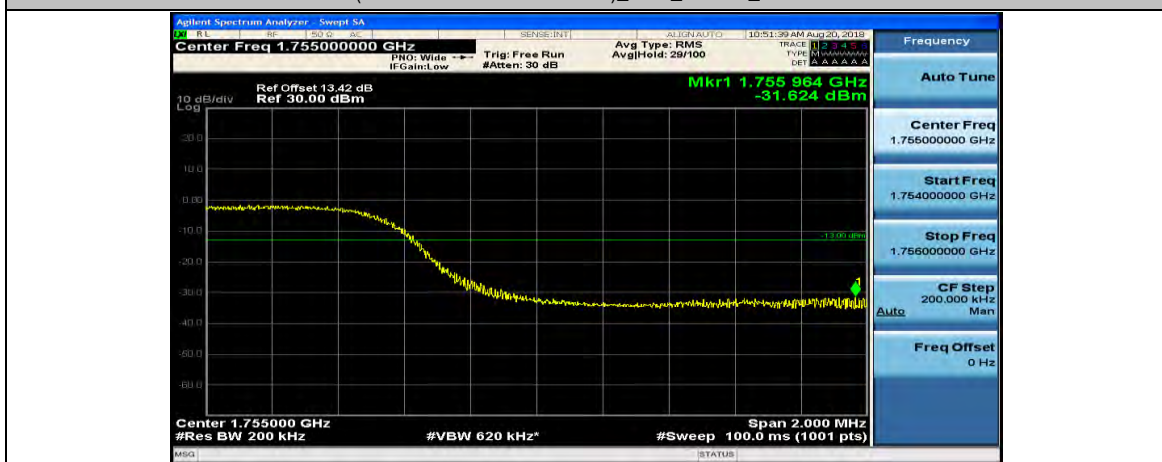
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0





Channel Bandwidth: 15 MHz

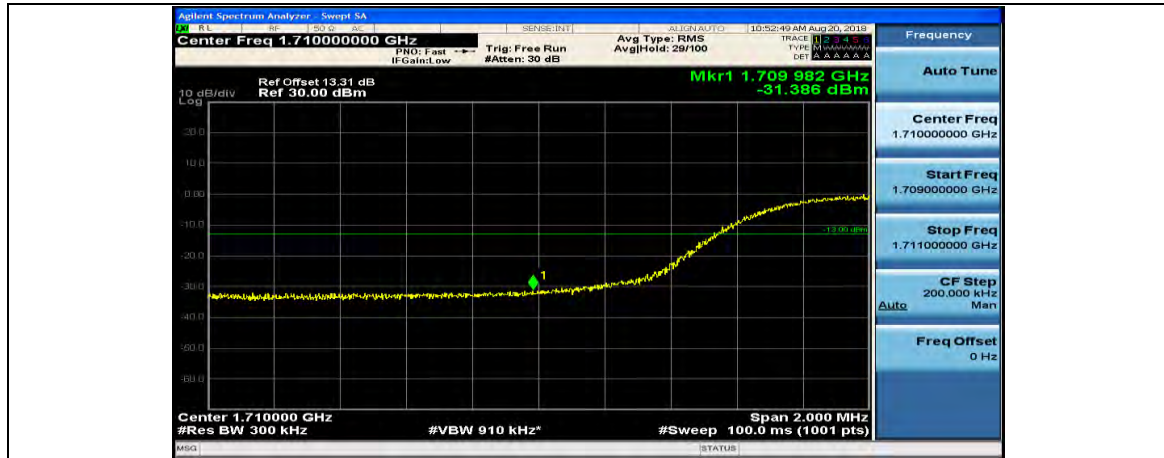
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



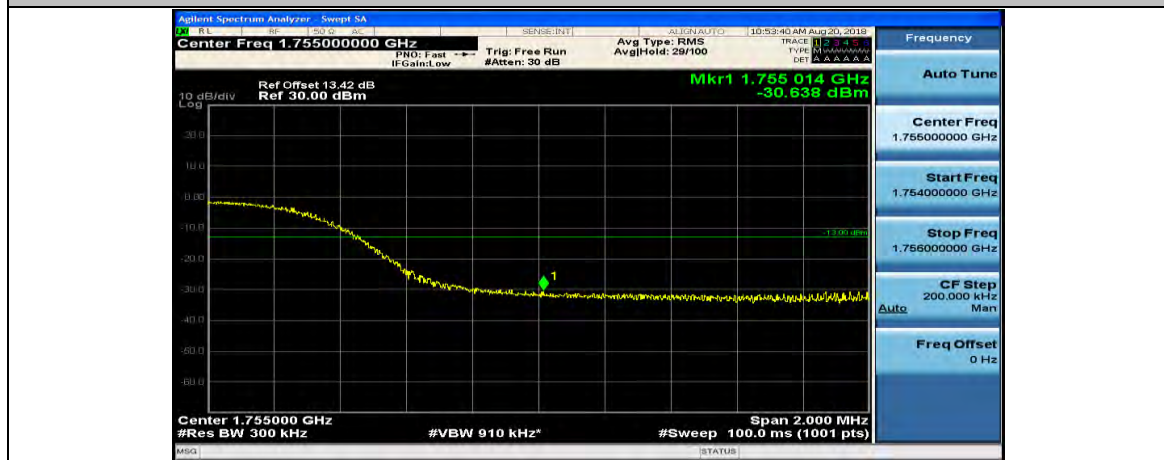
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



(Channel Bandwidth: 15 MHz)_LCH_QPSK_75RB#0



(Channel Bandwidth: 15 MHz)_HCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



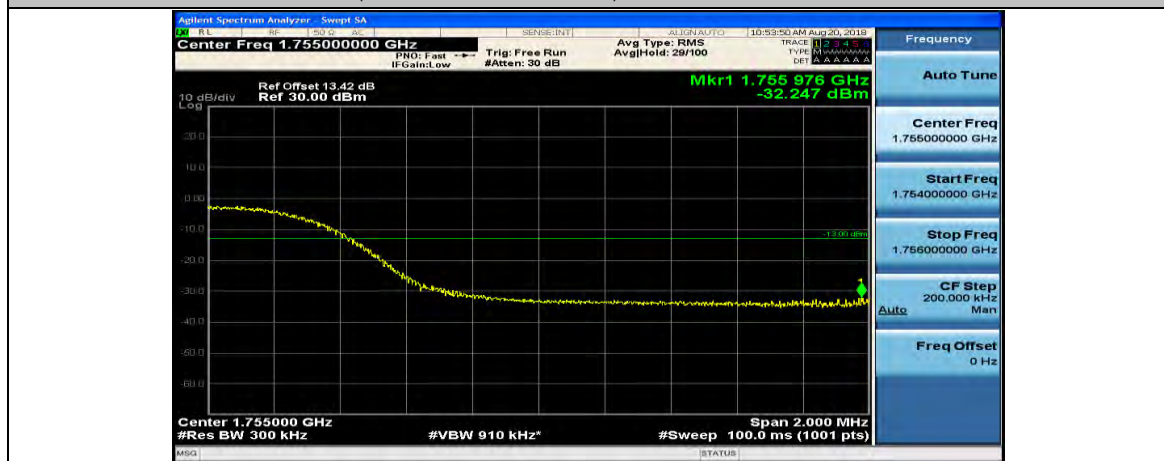
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0

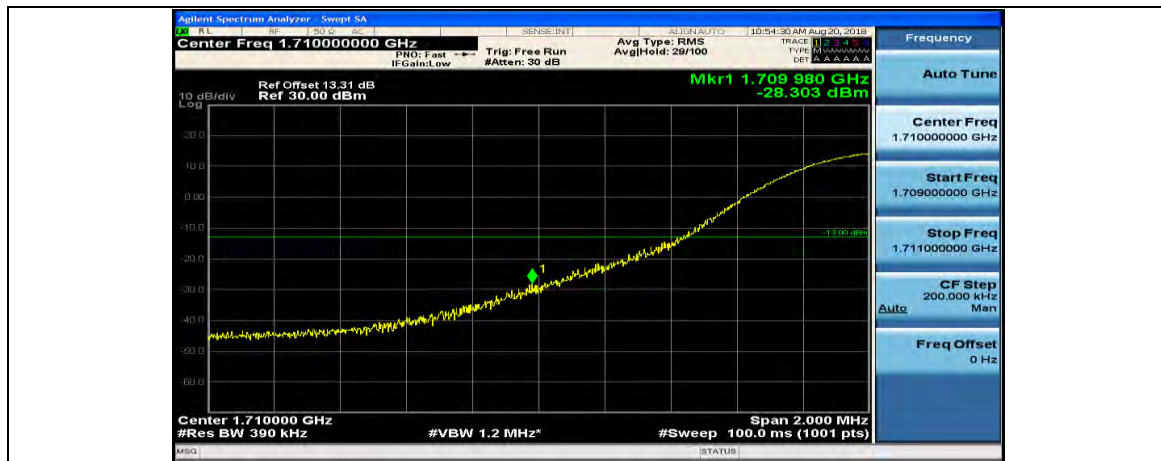


(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0



Channel Bandwidth: 20 MHz

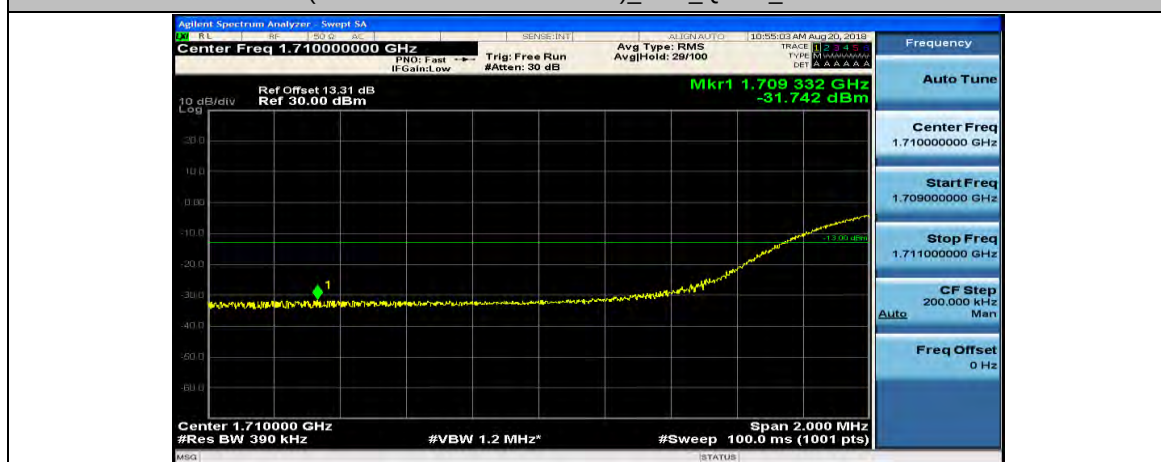
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99

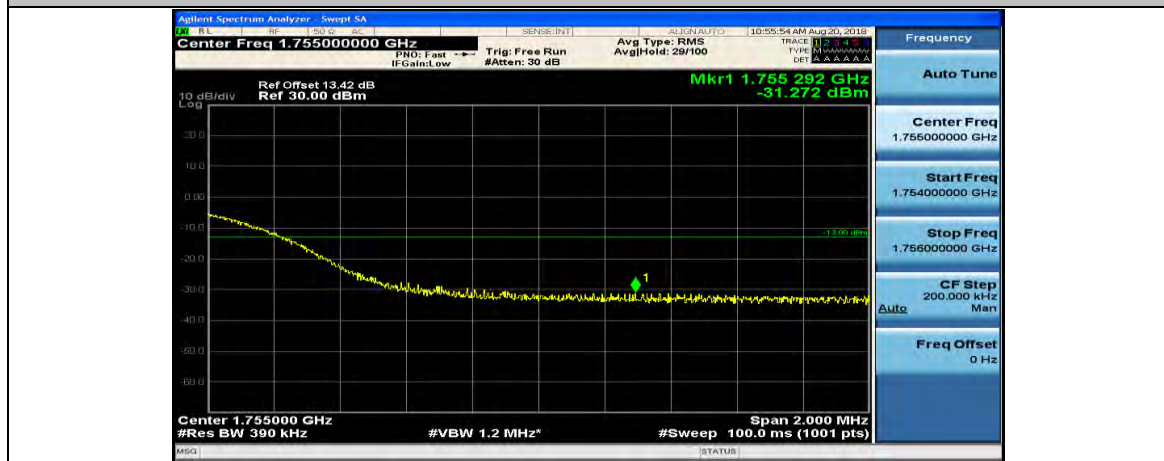


(Channel Bandwidth: 20 MHz)_LCH_QPSK_100RB#0

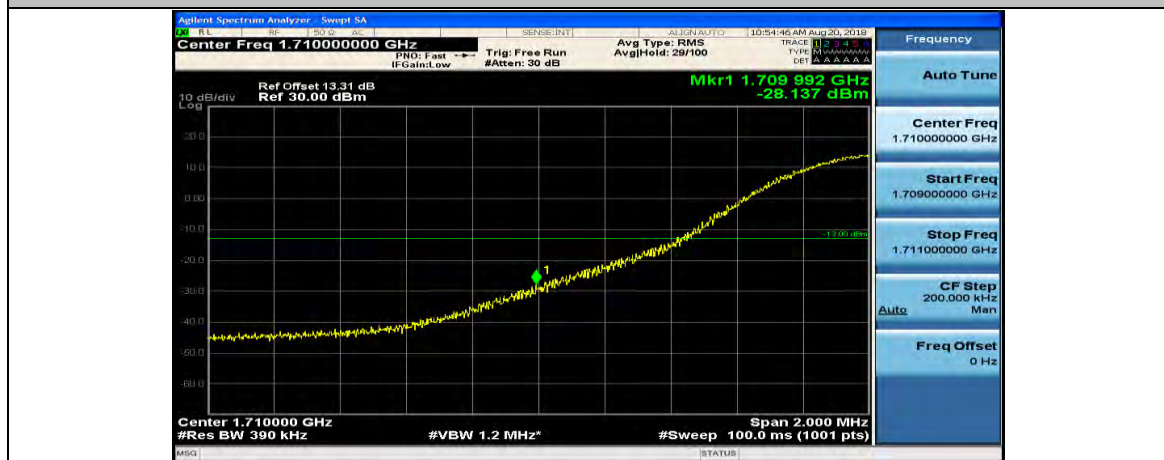




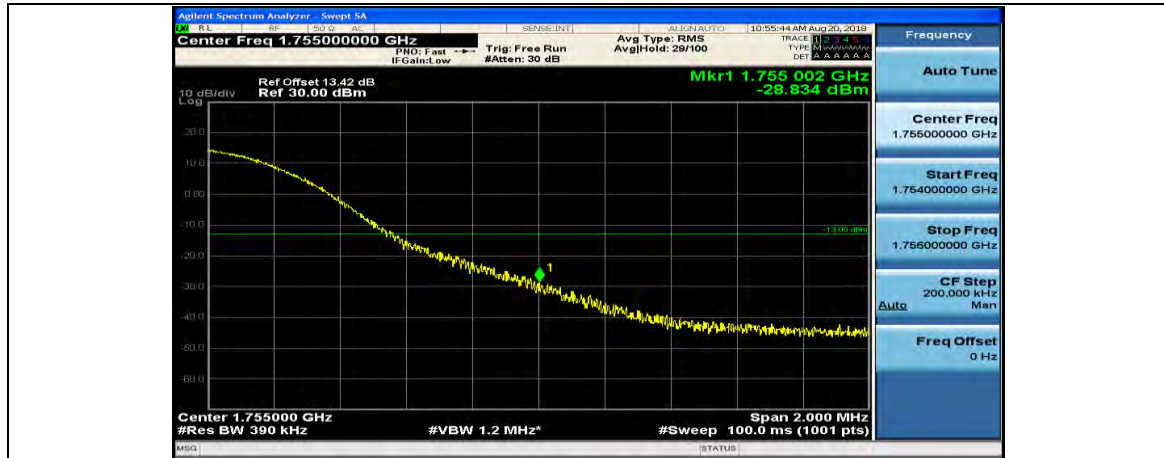
(Channel Bandwidth: 20 MHz)_HCH_QPSK_100RB#0



(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



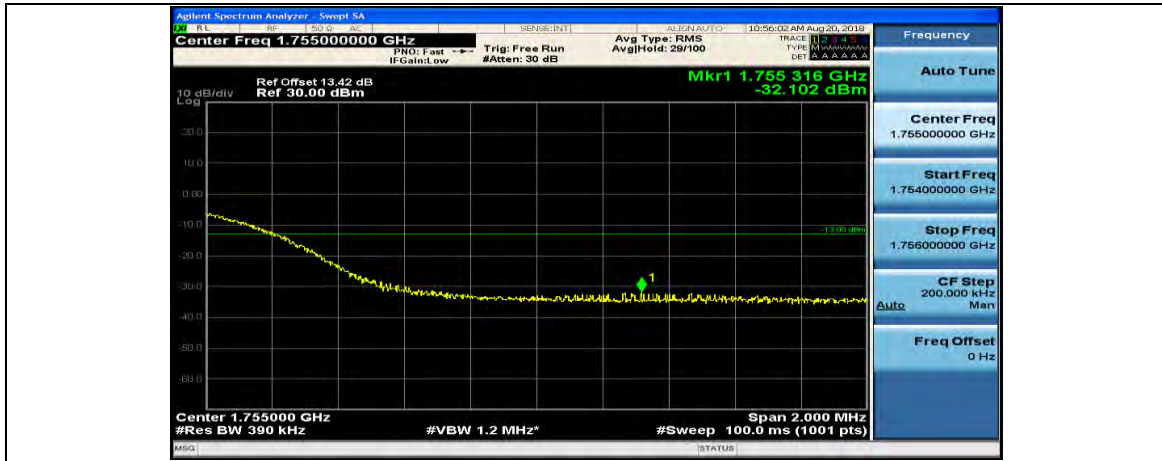
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99



(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0

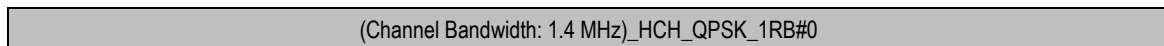
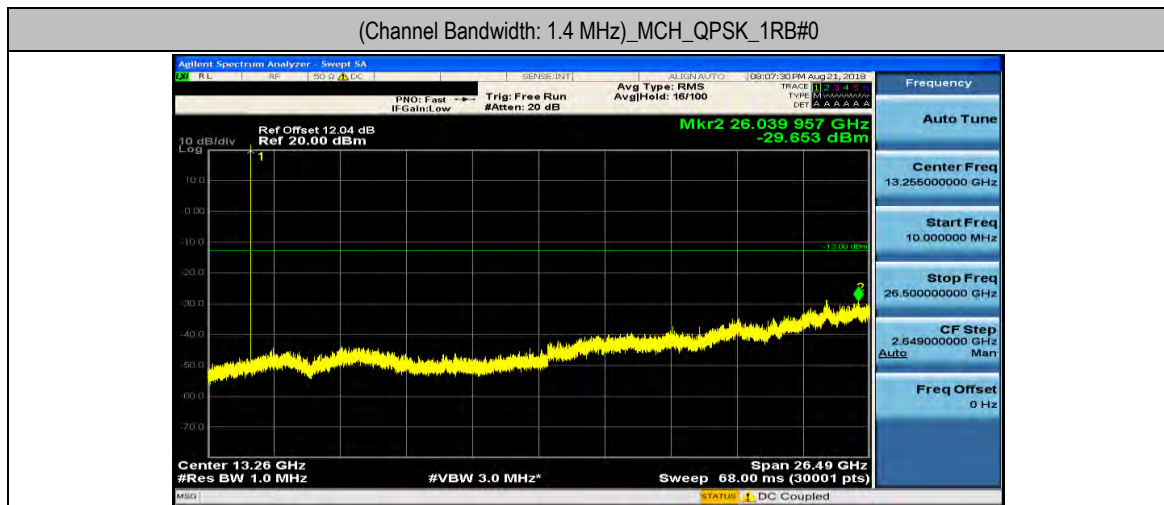
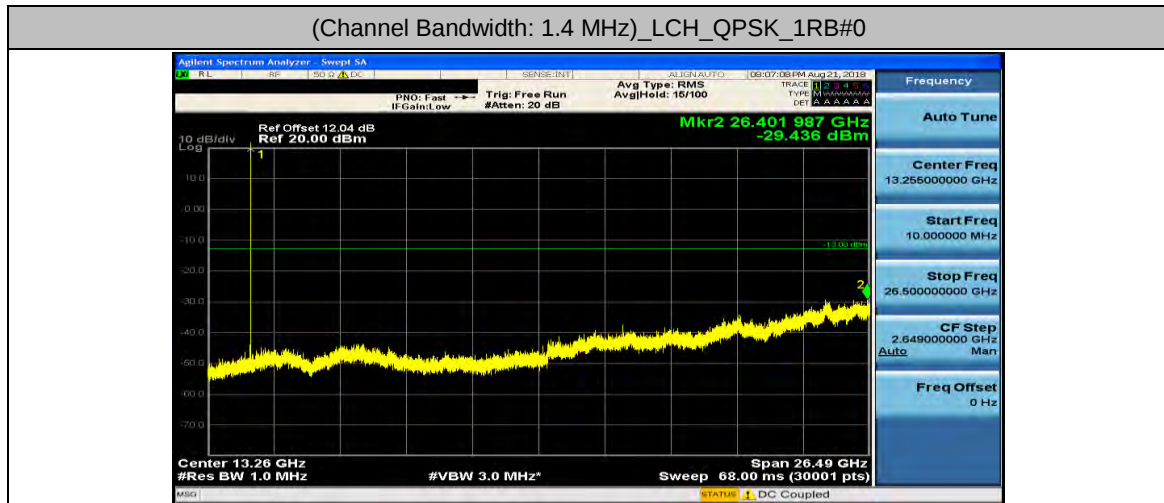




Appendix E: Conducted Spurious Emission

Test Graphs

Channel Bandwidth: 1.4 MHz



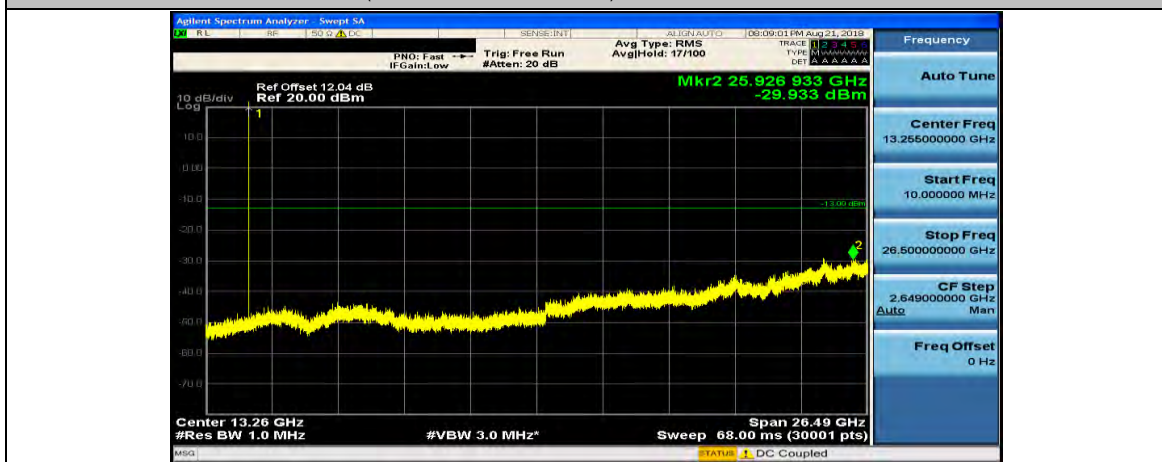


Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



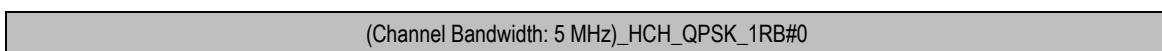
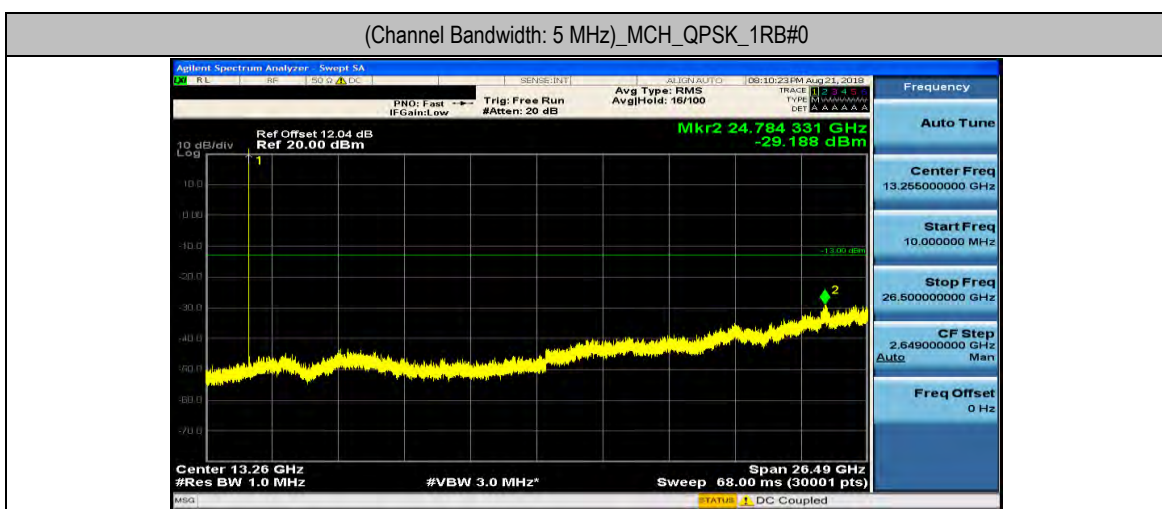
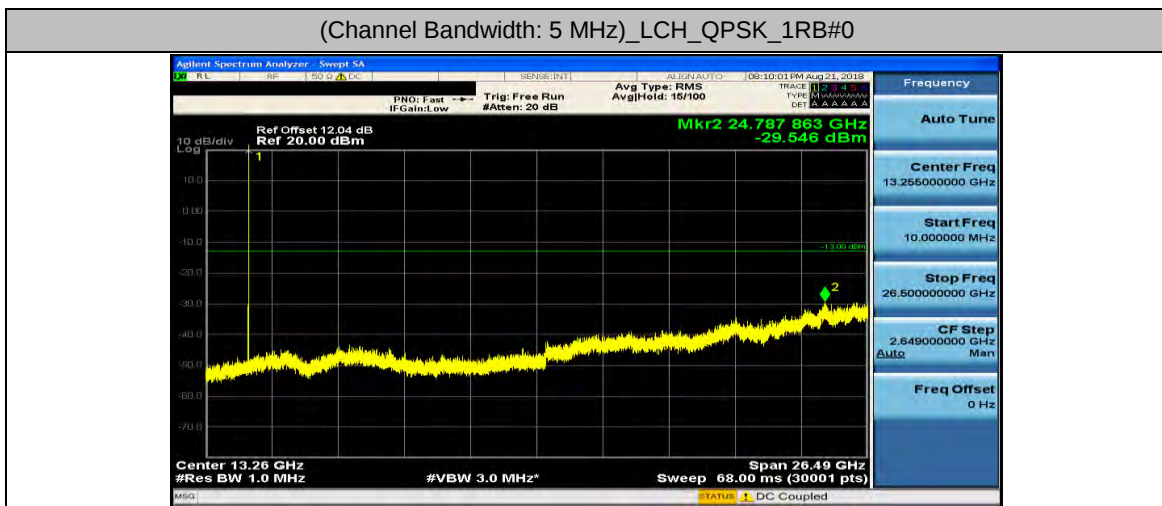
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

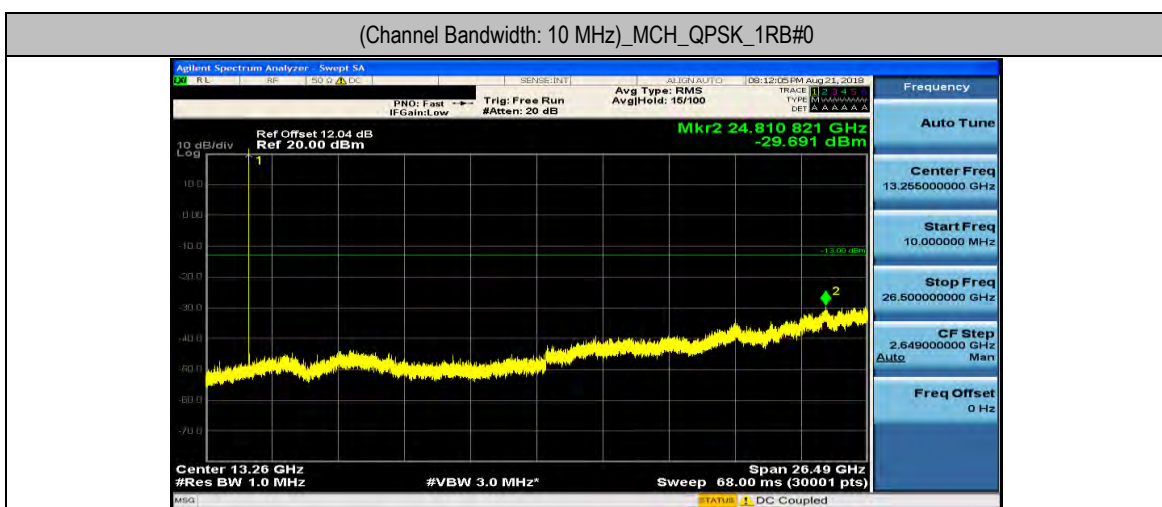
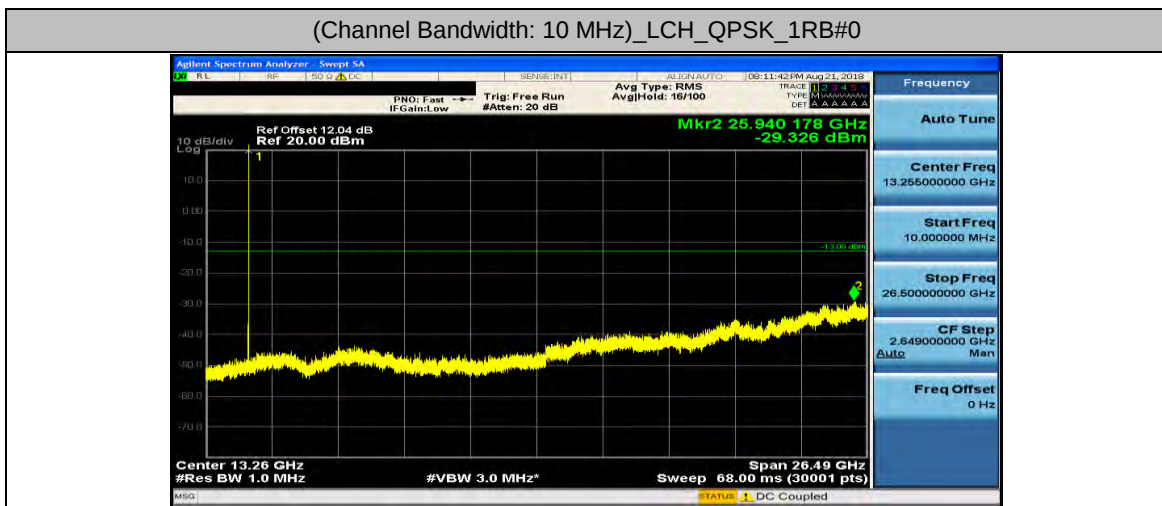


Channel Bandwidth: 5 MHz



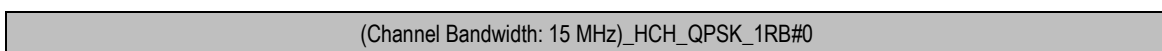
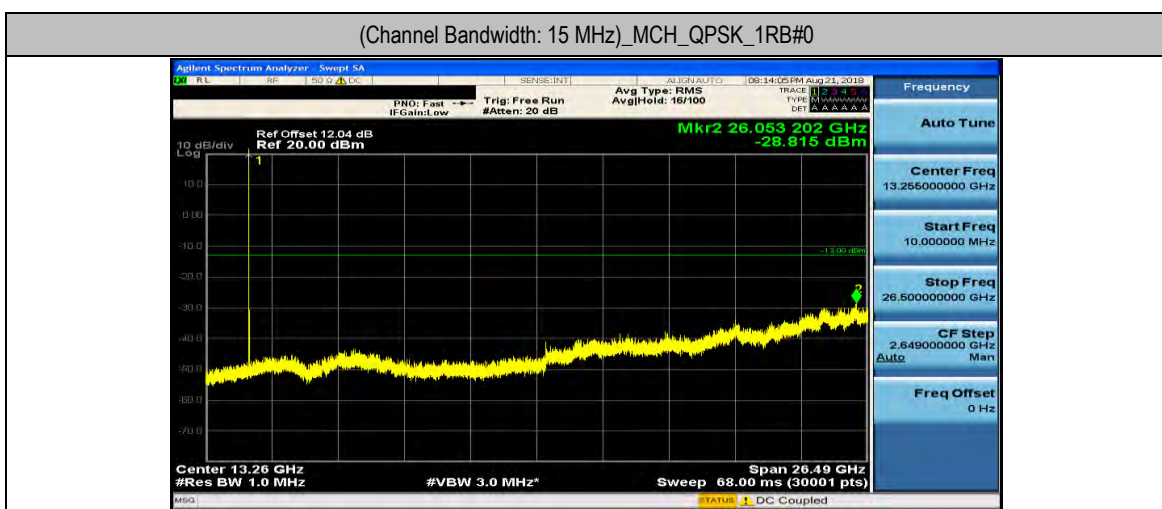
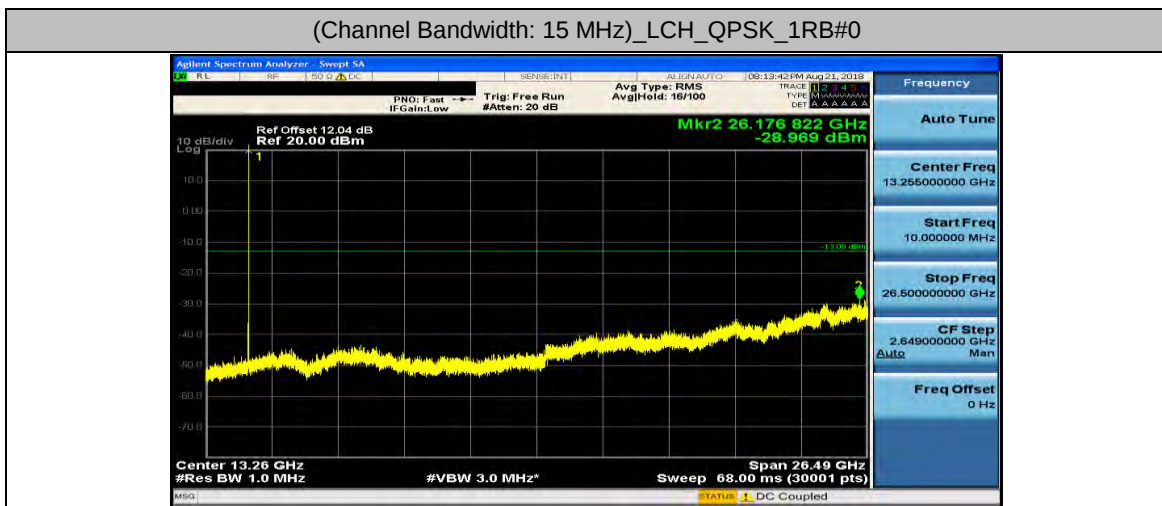


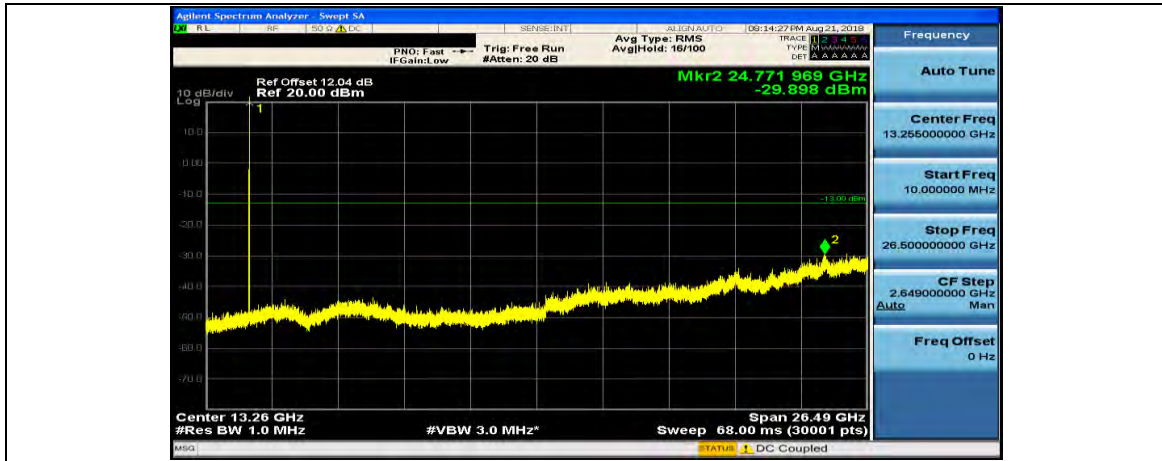
Channel Bandwidth: 10 MHz





Channel Bandwidth: 15 MHz



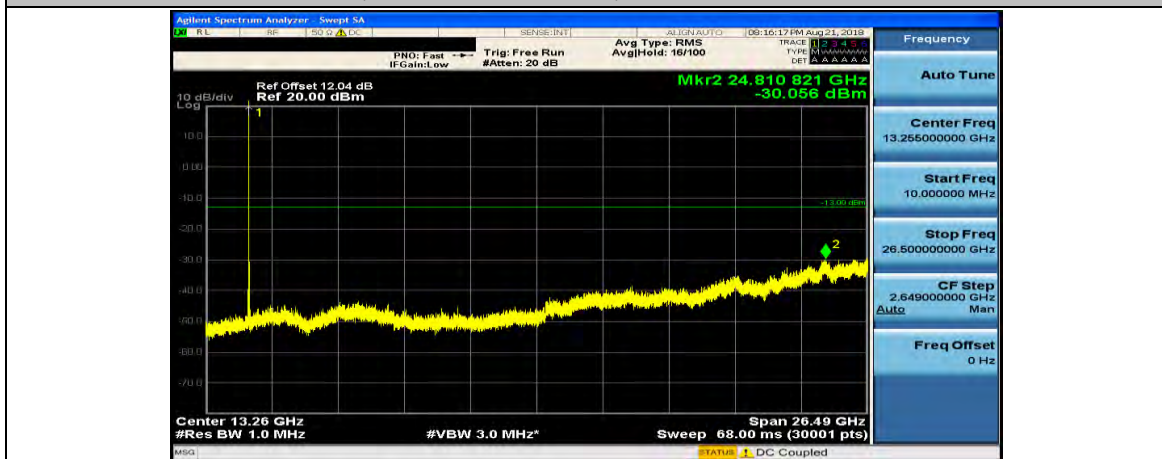


Channel Bandwidth: 20 MHz

(Channel Bandwidth: 20 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 20 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 20 MHz)_HCH_QPSK_1RB#0



Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.60	0.001520	± 2.5	PASS
		VN	TN	2.40	0.001403	± 2.5	PASS
		VH	TN	1.70	0.000994	± 2.5	PASS
	MCH	VL	TN	1.10	0.000635	± 2.5	PASS
		VN	TN	0.60	0.000346	± 2.5	PASS
		VH	TN	0.90	0.000519	± 2.5	PASS
	HCH	VL	TN	-3.30	-0.001881	± 2.5	PASS
		VN	TN	-3.10	-0.001767	± 2.5	PASS
		VH	TN	-2.00	-0.001140	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.50	0.000292	± 2.5	PASS
		VN	-20	2.10	0.001228	± 2.5	PASS
		VN	-10	-0.50	-0.000292	± 2.5	PASS
		VN	0	-0.70	-0.000409	± 2.5	PASS
		VN	10	1.10	0.000643	± 2.5	PASS
		VN	20	2.00	0.001169	± 2.5	PASS
		VN	30	2.20	0.001286	± 2.5	PASS
		VN	40	-1.30	-0.000760	± 2.5	PASS
	MCH	VN	50	2.20	0.001286	± 2.5	PASS
		VN	-30	0.00	0.000000	± 2.5	PASS
		VN	-20	0.80	0.000462	± 2.5	PASS



		VN	-10	0.60	0.000346	± 2.5	PASS
		VN	0	-1.80	-0.001039	± 2.5	PASS
		VN	10	0.50	0.000289	± 2.5	PASS
		VN	20	0.00	0.000000	± 2.5	PASS
		VN	30	1.60	0.000924	± 2.5	PASS
		VN	40	-0.60	-0.000346	± 2.5	PASS
		VN	50	0.20	0.000115	± 2.5	PASS
	HCH	VN	-30	-1.80	-0.001026	± 2.5	PASS
		VN	-20	-2.40	-0.001368	± 2.5	PASS
		VN	-10	-4.20	-0.002394	± 2.5	PASS
		VN	0	-6.00	-0.003420	± 2.5	PASS
		VN	10	-3.60	-0.002052	± 2.5	PASS
		VN	20	-1.90	-0.001083	± 2.5	PASS
		VN	30	-0.80	-0.000456	± 2.5	PASS
		VN	40	-4.70	-0.002679	± 2.5	PASS
		VN	50	-3.80	-0.002166	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.80	-0.000467	± 2.5	PASS
		VN	TN	0.10	0.000058	± 2.5	PASS
		VH	TN	1.60	0.000935	± 2.5	PASS
	MCH	VL	TN	-0.70	-0.000404	± 2.5	PASS
		VN	TN	0.70	0.000404	± 2.5	PASS
		VH	TN	1.50	0.000866	± 2.5	PASS
	HCH	VL	TN	2.20	0.001255	± 2.5	PASS
		VN	TN	-1.90	-0.001084	± 2.5	PASS
		VH	TN	0.40	0.000228	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.70	-0.000993	± 2.5	PASS
		VN	-20	-2.00	-0.001169	± 2.5	PASS
		VN	-10	1.50	0.000876	± 2.5	PASS
		VN	0	-2.30	-0.001344	± 2.5	PASS
		VN	10	0.30	0.000175	± 2.5	PASS
		VN	20	1.40	0.000818	± 2.5	PASS
		VN	30	-0.80	-0.000467	± 2.5	PASS
		VN	40	-0.70	-0.000409	± 2.5	PASS
		VN	50	-0.80	-0.000467	± 2.5	PASS
	MCH	VN	-30	-0.30	-0.000173	± 2.5	PASS
		VN	-20	-0.30	-0.000173	± 2.5	PASS
		VN	-10	-2.40	-0.001385	± 2.5	PASS



		VN	0	-0.50	-0.000289	± 2.5	PASS
		VN	10	-1.00	-0.000577	± 2.5	PASS
		VN	20	0.80	0.000462	± 2.5	PASS
		VN	30	-0.40	-0.000231	± 2.5	PASS
		VN	40	-0.50	-0.000289	± 2.5	PASS
		VN	50	-0.40	-0.000231	± 2.5	PASS
	HCH	VN	-30	-1.30	-0.000741	± 2.5	PASS
		VN	-20	1.30	0.000741	± 2.5	PASS
		VN	-10	0.10	0.000057	± 2.5	PASS
		VN	0	-0.40	-0.000228	± 2.5	PASS
		VN	10	0.60	0.000342	± 2.5	PASS
		VN	20	-0.40	-0.000228	± 2.5	PASS
		VN	30	-1.30	-0.000741	± 2.5	PASS
		VN	40	-1.60	-0.000912	± 2.5	PASS
		VN	50	-1.30	-0.000741	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.10	0.000642	± 2.5	PASS
		VN	TN	2.70	0.001577	± 2.5	PASS
		VH	TN	0.60	0.000350	± 2.5	PASS
	MCH	VL	TN	-1.10	-0.000635	± 2.5	PASS
		VN	TN	0.40	0.000231	± 2.5	PASS
		VH	TN	0.20	0.000115	± 2.5	PASS
	HCH	VL	TN	-5.20	-0.002967	± 2.5	PASS
		VN	TN	-4.20	-0.002397	± 2.5	PASS
		VH	TN	-3.30	-0.001883	± 2.5	PASS

Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.50	-0.000292	± 2.5	PASS
		VN	-20	2.60	0.001518	± 2.5	PASS
		VN	-10	1.50	0.000876	± 2.5	PASS
		VN	0	0.60	0.000350	± 2.5	PASS
		VN	10	2.50	0.001460	± 2.5	PASS
		VN	20	2.90	0.001693	± 2.5	PASS
		VN	30	1.10	0.000642	± 2.5	PASS
		VN	40	0.00	0.000000	± 2.5	PASS
		VN	50	2.40	0.001401	± 2.5	PASS
	MCH	VN	-30	-0.90	-0.000519	± 2.5	PASS
		VN	-20	2.60	0.001501	± 2.5	PASS
		VN	-10	0.60	0.000346	± 2.5	PASS
		VN	0	-1.40	-0.000808	± 2.5	PASS



		VN	10	-1.10	-0.000635	± 2.5	PASS
		VN	20	0.20	0.000115	± 2.5	PASS
		VN	30	0.40	0.000231	± 2.5	PASS
		VN	40	2.70	0.001558	± 2.5	PASS
		VN	50	-2.00	-0.001154	± 2.5	PASS
	HCH	VN	-30	-2.30	-0.001312	± 2.5	PASS
		VN	-20	-2.10	-0.001198	± 2.5	PASS
		VN	-10	-1.40	-0.000799	± 2.5	PASS
		VN	0	-4.70	-0.002682	± 2.5	PASS
		VN	10	-3.80	-0.002168	± 2.5	PASS
		VN	20	-2.20	-0.001255	± 2.5	PASS
		VN	30	-2.50	-0.001427	± 2.5	PASS
		VN	40	-1.10	-0.000628	± 2.5	PASS
		VN	50	-5.80	-0.003310	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-3.30	-0.001924	± 2.5	PASS
		VN	TN	-5.40	-0.003149	± 2.5	PASS
		VH	TN	-2.50	-0.001458	± 2.5	PASS
	MCH	VL	TN	1.20	0.000693	± 2.5	PASS
		VN	TN	-1.30	-0.000750	± 2.5	PASS
		VH	TN	2.20	0.001270	± 2.5	PASS
	HCH	VL	TN	0.80	0.000457	± 2.5	PASS
		VN	TN	1.60	0.000914	± 2.5	PASS
		VH	TN	1.10	0.000629	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-3.30	-0.001924	± 2.5	PASS
		VN	-20	-4.90	-0.002857	± 2.5	PASS
		VN	-10	-2.90	-0.001691	± 2.5	PASS
		VN	0	-0.90	-0.000525	± 2.5	PASS
		VN	10	-3.20	-0.001866	± 2.5	PASS
		VN	20	-2.90	-0.001691	± 2.5	PASS
		VN	30	-4.50	-0.002624	± 2.5	PASS
		VN	40	-3.50	-0.002041	± 2.5	PASS
		VN	50	-2.50	-0.001458	± 2.5	PASS
	MCH	VN	-30	1.70	0.000981	± 2.5	PASS
		VN	-20	1.90	0.001097	± 2.5	PASS
		VN	-10	0.80	0.000462	± 2.5	PASS
		VN	0	1.00	0.000577	± 2.5	PASS
		VN	10	-0.70	-0.000404	± 2.5	PASS



		VN	20	-0.10	-0.000058	± 2.5	PASS
		VN	30	2.20	0.001270	± 2.5	PASS
		VN	40	-1.00	-0.000577	± 2.5	PASS
		VN	50	0.50	0.000289	± 2.5	PASS
	HCH	VN	-30	0.50	0.000286	± 2.5	PASS
		VN	-20	2.80	0.001600	± 2.5	PASS
		VN	-10	0.80	0.000457	± 2.5	PASS
		VN	0	-0.70	-0.000400	± 2.5	PASS
		VN	10	2.50	0.001429	± 2.5	PASS
		VN	20	0.20	0.000114	± 2.5	PASS
		VN	30	1.70	0.000971	± 2.5	PASS
		VN	40	0.40	0.000229	± 2.5	PASS
		VN	50	1.90	0.001086	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.40	0.000815	± 2.5	PASS
		VN	TN	1.30	0.000757	± 2.5	PASS
		VH	TN	2.10	0.001223	± 2.5	PASS
	MCH	VL	TN	1.10	0.000635	± 2.5	PASS
		VN	TN	4.00	0.002309	± 2.5	PASS
		VH	TN	-2.20	-0.001270	± 2.5	PASS
	HCH	VL	TN	0.90	0.000515	± 2.5	PASS
		VN	TN	4.10	0.002346	± 2.5	PASS
		VH	TN	1.00	0.000572	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.10	0.000058	± 2.5	PASS
		VN	-20	2.80	0.001630	± 2.5	PASS
		VN	-10	0.00	0.000000	± 2.5	PASS
		VN	0	1.30	0.000757	± 2.5	PASS
		VN	10	3.70	0.002154	± 2.5	PASS
		VN	20	2.10	0.001223	± 2.5	PASS
		VN	30	0.00	0.000000	± 2.5	PASS
		VN	40	2.80	0.001630	± 2.5	PASS
		VN	50	2.30	0.001339	± 2.5	PASS
	MCH	VN	-30	0.40	0.000231	± 2.5	PASS
		VN	-20	-1.80	-0.001039	± 2.5	PASS
		VN	-10	3.90	0.002251	± 2.5	PASS
		VN	0	0.40	0.000231	± 2.5	PASS
		VN	10	1.00	0.000577	± 2.5	PASS
		VN	20	-0.30	-0.000173	± 2.5	PASS



		VN	30	-1.70	-0.000981	± 2.5	PASS
		VN	40	-1.50	-0.000866	± 2.5	PASS
		VN	50	1.20	0.000693	± 2.5	PASS
	HCH	VN	-30	-0.70	-0.000401	± 2.5	PASS
		VN	-20	3.50	0.002003	± 2.5	PASS
		VN	-10	2.40	0.001373	± 2.5	PASS
		VN	0	3.50	0.002003	± 2.5	PASS
		VN	10	-0.10	-0.000057	± 2.5	PASS
		VN	20	1.00	0.000572	± 2.5	PASS
		VN	30	0.90	0.000515	± 2.5	PASS
		VN	40	-1.20	-0.000687	± 2.5	PASS
		VN	50	-0.80	-0.000458	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.70	0.001570	± 2.5	PASS
		VN	TN	3.70	0.002151	± 2.5	PASS
		VH	TN	0.10	0.000058	± 2.5	PASS
	MCH	VL	TN	2.30	0.001328	± 2.5	PASS
		VN	TN	3.70	0.002136	± 2.5	PASS
		VH	TN	-0.20	-0.000115	± 2.5	PASS
	HCH	VL	TN	-1.40	-0.000802	± 2.5	PASS
		VN	TN	2.00	0.001146	± 2.5	PASS
		VH	TN	-1.70	-0.000974	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.50	0.000872	± 2.5	PASS
		VN	-20	1.10	0.000640	± 2.5	PASS
		VN	-10	0.40	0.000233	± 2.5	PASS
		VN	0	2.40	0.001395	± 2.5	PASS
		VN	10	2.40	0.001395	± 2.5	PASS
		VN	20	1.90	0.001105	± 2.5	PASS
		VN	30	2.80	0.001628	± 2.5	PASS
		VN	40	0.70	0.000407	± 2.5	PASS
		VN	50	-0.20	-0.000116	± 2.5	PASS
	MCH	VN	-30	0.80	0.000462	± 2.5	PASS
		VN	-20	2.90	0.001674	± 2.5	PASS
		VN	-10	1.70	0.000981	± 2.5	PASS
		VN	0	-0.70	-0.000404	± 2.5	PASS
		VN	10	-1.40	-0.000808	± 2.5	PASS
		VN	20	-0.10	-0.000058	± 2.5	PASS
VN		30	1.40	0.000808	± 2.5	PASS	



		VN	40	0.30	0.000173	± 2.5	PASS
		VN	50	-1.00	-0.000577	± 2.5	PASS
	HCH	VN	-30	-3.50	-0.002006	± 2.5	PASS
		VN	-20	-1.20	-0.000688	± 2.5	PASS
		VN	-10	-2.20	-0.001261	± 2.5	PASS
		VN	0	-1.70	-0.000974	± 2.5	PASS
		VN	10	-2.30	-0.001318	± 2.5	PASS
		VN	20	-1.80	-0.001032	± 2.5	PASS
		VN	30	-1.30	-0.000745	± 2.5	PASS
		VN	40	-2.70	-0.001547	± 2.5	PASS
		VN	50	-1.10	-0.000630	± 2.5	PASS