



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	23.12	PASS
		1	2	23.22	PASS
		1	5	23.17	PASS
		3	0	22.25	PASS
		3	1	22.28	PASS
		3	3	22.26	PASS
		6	0	22.31	PASS
	MCH	1	0	23.29	PASS
		1	2	22.98	PASS
		1	5	22.98	PASS
		3	0	22.34	PASS
		3	1	22.18	PASS
		3	3	22.19	PASS
		6	0	22.14	PASS
	HCH	1	0	23.14	PASS
		1	2	22.82	PASS
		1	5	22.91	PASS
		3	0	22.15	PASS
		3	1	22.25	PASS
		3	3	22.22	PASS
		6	0	22.17	PASS
16QAM	LCH	1	0	22.66	PASS
		1	2	22.71	PASS
		1	5	22.34	PASS
		3	0	21.29	PASS
		3	1	21.19	PASS
		3	3	21.23	PASS
		6	0	21.32	PASS
	MCH	1	0	22.92	PASS
		1	2	22.37	PASS
		1	5	22.2	PASS
		3	0	21.26	PASS
		3	1	21.23	PASS



		3	3	21.29	PASS
		6	0	21.16	PASS
	HCH	1	0	22.47	PASS
		1	2	22.27	PASS
		1	5	22.34	PASS
		3	0	21.27	PASS
		3	1	21.28	PASS
		3	3	21.18	PASS
		6	0	21.09	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.2	PASS
		1	7	23.02	PASS
		1	14	23.11	PASS
		8	0	22.26	PASS
		8	3	22.24	PASS
		8	7	22.33	PASS
		15	0	22.3	PASS
	MCH	1	0	22.99	PASS
		1	7	23.16	PASS
		1	14	22.98	PASS
		8	0	22.2	PASS
		8	3	22.28	PASS
		8	7	22.07	PASS
		15	0	22.08	PASS
	HCH	1	0	22.86	PASS
		1	7	23.15	PASS
		1	14	22.82	PASS
		8	0	22.12	PASS
		8	3	22.13	PASS
		8	7	21.96	PASS
		15	0	22.01	PASS
16QAM	LCH	1	0	22.45	PASS
		1	7	22.67	PASS
		1	14	22.38	PASS
		8	0	21.1	PASS
		8	3	21.24	PASS



		8	7	21.1	PASS
		15	0	21.07	PASS
	MCH	1	0	22.2	PASS
		1	7	22.47	PASS
		1	14	22.53	PASS
		8	0	21.01	PASS
		8	3	21.02	PASS
		8	7	21.15	PASS
		15	0	21.24	PASS
	HCH	1	0	22.27	PASS
		1	7	22.38	PASS
		1	14	22.19	PASS
		8	0	21.1	PASS
		8	3	21.03	PASS
		8	7	20.91	PASS
15		0	20.98	PASS	

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.07	PASS
		1	12	22.97	PASS
		1	24	23.12	PASS
		12	0	22.31	PASS
		12	6	22.25	PASS
		12	13	22.2	PASS
		25	0	22.25	PASS
	MCH	1	0	23.28	PASS
		1	12	23.15	PASS
		1	24	22.92	PASS
		12	0	22.28	PASS
		12	6	22.29	PASS
		12	13	22.02	PASS
		25	0	22.22	PASS
	HCH	1	0	23	PASS
		1	12	22.99	PASS
		1	24	22.86	PASS
		12	0	22.08	PASS
		12	6	22.02	PASS
		12	13	22.01	PASS



		25	0	22.07	PASS
16QAM	LCH	1	0	22.47	PASS
		1	12	22.3	PASS
		1	24	22.27	PASS
		12	0	21.25	PASS
		12	6	21.18	PASS
		12	13	21.26	PASS
		25	0	21.27	PASS
	MCH	1	0	22.54	PASS
		1	12	22.22	PASS
		1	24	22.13	PASS
		12	0	20.95	PASS
		12	6	21.35	PASS
		12	13	21.23	PASS
		25	0	21.13	PASS
	HCH	1	0	22.16	PASS
		1	12	22.17	PASS
		1	24	22.23	PASS
		12	0	21.2	PASS
		12	6	21.1	PASS
		12	13	21.08	PASS
		25	0	21.02	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.25	PASS
		1	24	23.2	PASS
		1	49	23.09	PASS
		25	0	23.17	PASS
		25	12	23.24	PASS
		25	25	23.18	PASS
		50	0	22.16	PASS
	MCH	1	0	23.04	PASS
		1	24	23.02	PASS
		1	49	22.94	PASS
		25	0	23.21	PASS
		25	12	23.24	PASS
		25	25	23.07	PASS
		50	0	22.06	PASS



	HCH	1	0	22.95	PASS
		1	24	23.12	PASS
		1	49	22.73	PASS
		25	0	23.02	PASS
		25	12	23.14	PASS
		25	25	23.02	PASS
		50	0	22.02	PASS
16QAM	LCH	1	0	22.58	PASS
		1	24	22.47	PASS
		1	49	22.34	PASS
		25	0	22.15	PASS
		25	12	22.12	PASS
		25	25	22.23	PASS
		50	0	21.18	PASS
	MCH	1	0	22.29	PASS
		1	24	22.2	PASS
		1	49	22.39	PASS
		25	0	22.1	PASS
		25	12	22	PASS
		25	25	22.19	PASS
		50	0	21.09	PASS
	HCH	1	0	22.07	PASS
		1	24	22.22	PASS
		1	49	22.27	PASS
		25	0	22.03	PASS
		25	12	22.06	PASS
		25	25	21.98	PASS
		50	0	20.98	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.31	PASS
		1	37	23.28	PASS
		1	74	23.21	PASS
		36	0	22.42	PASS
		36	19	22.35	PASS
		36	39	22.14	PASS
		75	0	22.35	PASS
	MCH	1	0	23.23	PASS



		1	37	23.02	PASS
		1	74	22.93	PASS
		36	0	22.26	PASS
		36	19	22.12	PASS
		36	39	22.15	PASS
		75	0	22.22	PASS
	HCH	1	0	23.14	PASS
		1	37	23.01	PASS
		1	74	22.92	PASS
		36	0	22.26	PASS
		36	19	22.19	PASS
		36	39	22.04	PASS
		75	0	22.16	PASS
	16QAM	LCH	1	0	22.46
1			37	22.39	PASS
1			74	22.37	PASS
36			0	21.33	PASS
36			19	21.22	PASS
36			39	21.25	PASS
75			0	21.24	PASS
MCH		1	0	22.68	PASS
		1	37	22.3	PASS
		1	74	22.35	PASS
		36	0	21.18	PASS
		36	19	21.11	PASS
		36	39	21.18	PASS
		75	0	21.42	PASS
HCH		1	0	22.4	PASS
		1	37	22.14	PASS
		1	74	22.12	PASS
		36	0	21.15	PASS
		36	19	21.08	PASS
		36	39	21.14	PASS
		75	0	21.24	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.29	PASS
		1	49	23.09	PASS



		1	99	22.97	PASS	
		50	0	22.17	PASS	
		50	25	22.28	PASS	
		50	50	22.32	PASS	
		100	0	22.41	PASS	
	MCH	1	0	23.11	PASS	
		1	49	23.06	PASS	
		1	99	22.8	PASS	
		50	0	22.27	PASS	
		50	25	22.15	PASS	
		50	50	22.15	PASS	
		100	0	22.26	PASS	
	HCH	1	0	23.33	PASS	
		1	49	22.79	PASS	
		1	99	22.98	PASS	
		50	0	22.1	PASS	
		50	25	22.12	PASS	
		50	50	22.03	PASS	
		100	0	22.17	PASS	
	16QAM	LCH	1	0	22.43	PASS
			1	49	22.32	PASS
1			99	22.56	PASS	
50			0	21.2	PASS	
50			25	21.27	PASS	
50			50	21.3	PASS	
100			0	21.24	PASS	
MCH		1	0	22.52	PASS	
		1	49	22.31	PASS	
		1	99	22.24	PASS	
		50	0	21.24	PASS	
		50	25	21.32	PASS	
		50	50	21.04	PASS	
		100	0	21.17	PASS	
HCH		1	0	22.21	PASS	
		1	49	22.37	PASS	
		1	99	21.99	PASS	
		50	0	21.14	PASS	
		50	25	21.13	PASS	
		50	50	21.02	PASS	
		100	0	21.17	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	4.12	<13	PASS
16QAM	MCH	1	0	5.02	<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	4.09	<13	PASS
16QAM	MCH	1	0	4.88	<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	4.1	<13	PASS
16QAM	MCH	1	0	4.97	<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	4.18	<13	PASS
16QAM	MCH	1	0	4.99	<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	4.89	<13	PASS

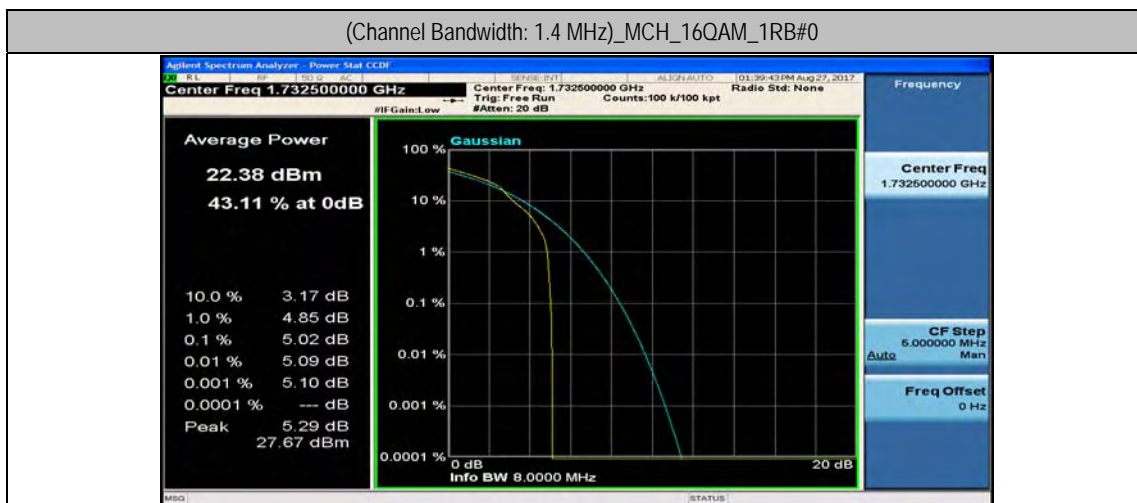
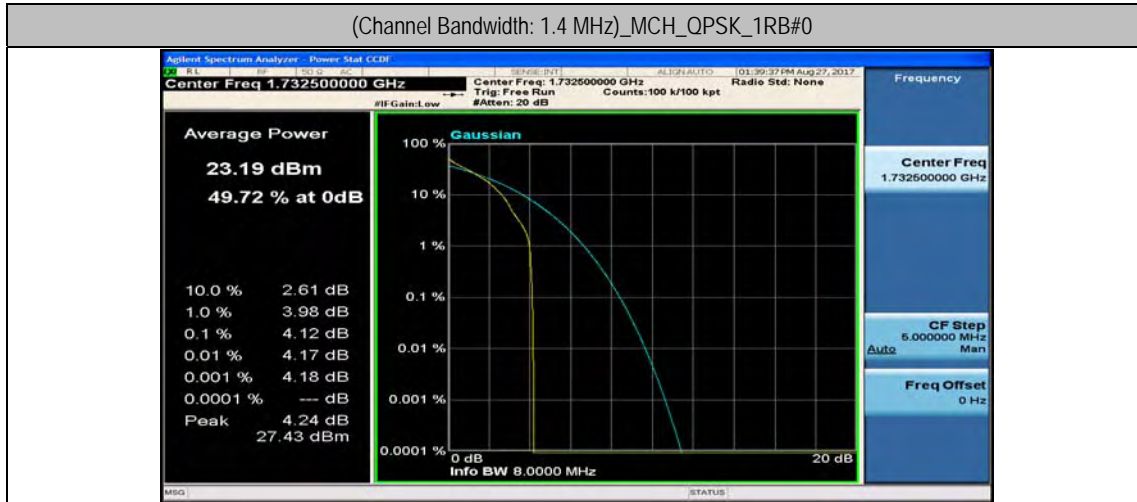
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.12	<13	PASS
16QAM	MCH	1	0	4.94	<13	PASS

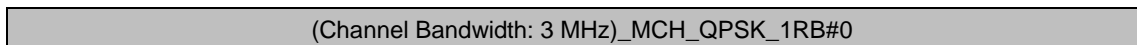


Test Graphs

Channel Bandwidth: 1.4 MHz

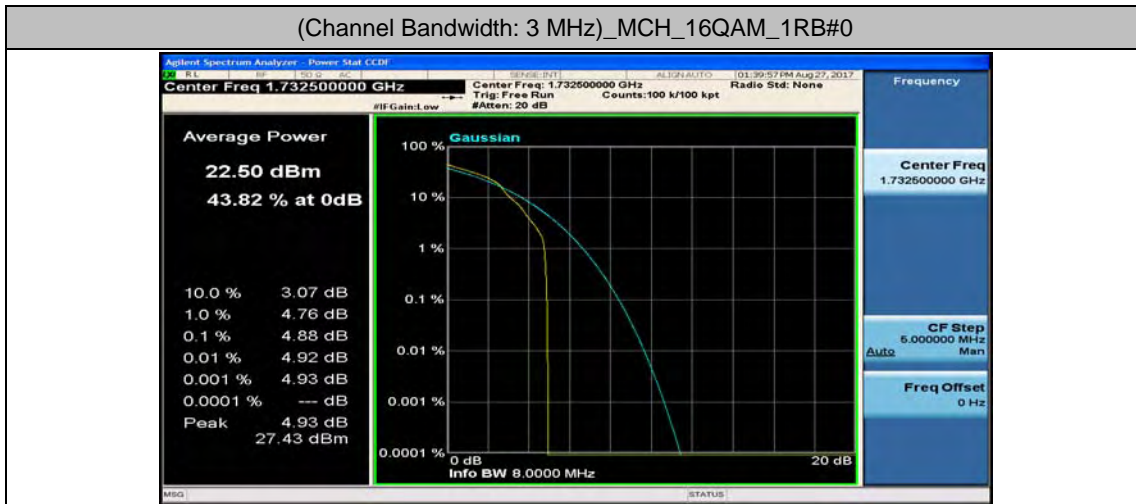


Channel Bandwidth: 3 MHz



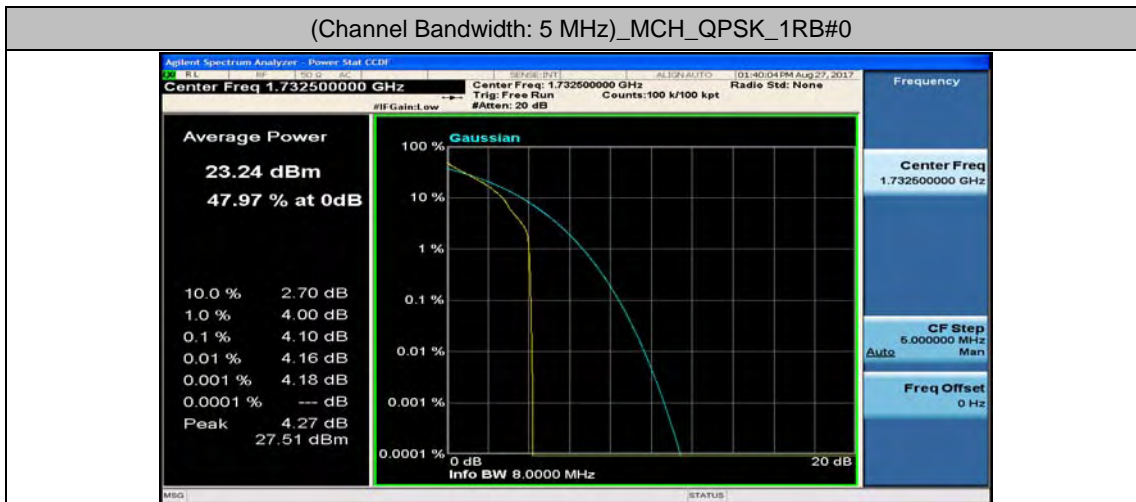


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



Channel Bandwidth: 5 MHz

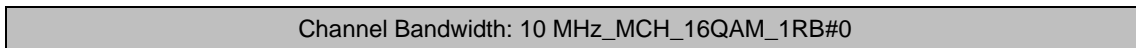
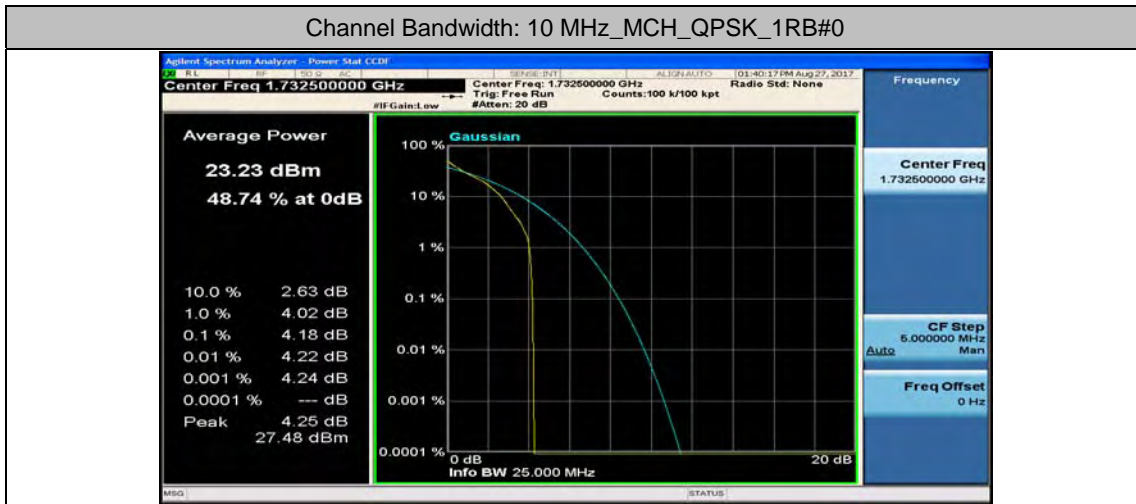
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

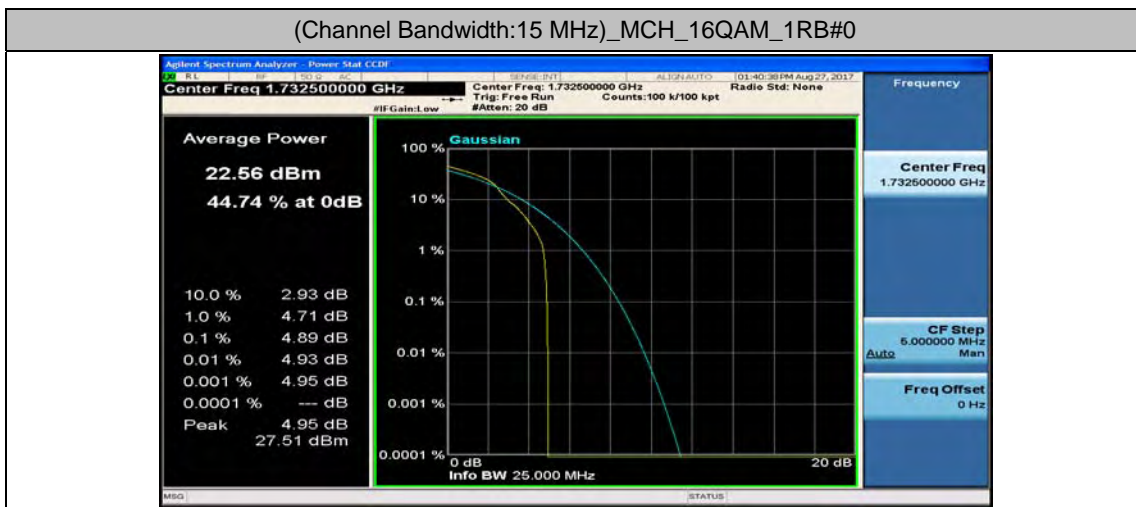
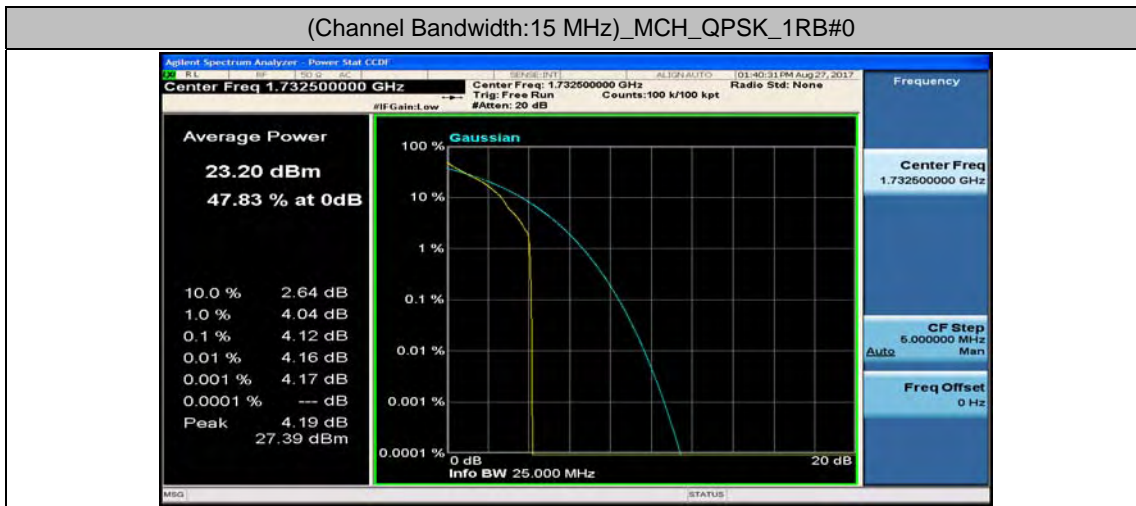


Channel Bandwidth: 10 MHz





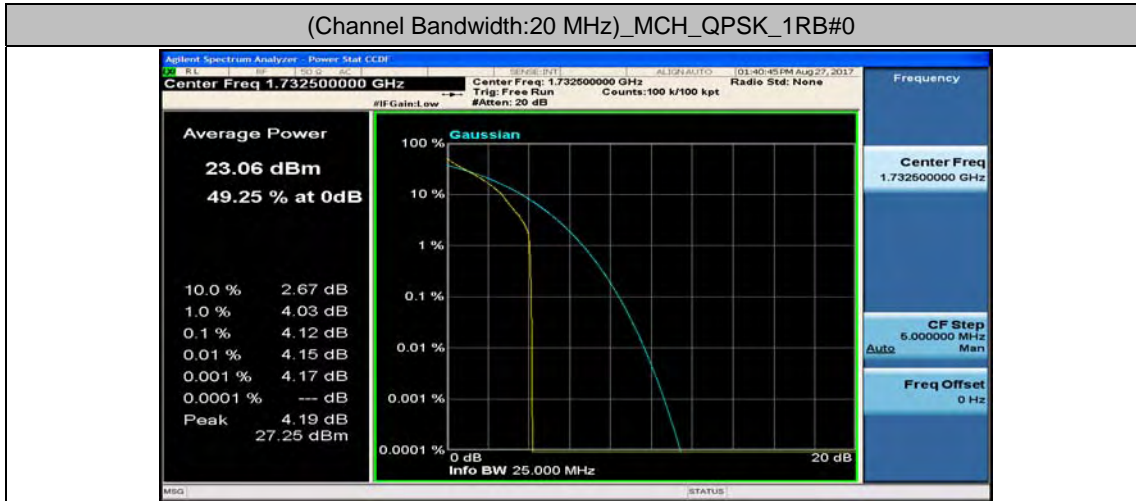
Channel Bandwidth: 15 MHz



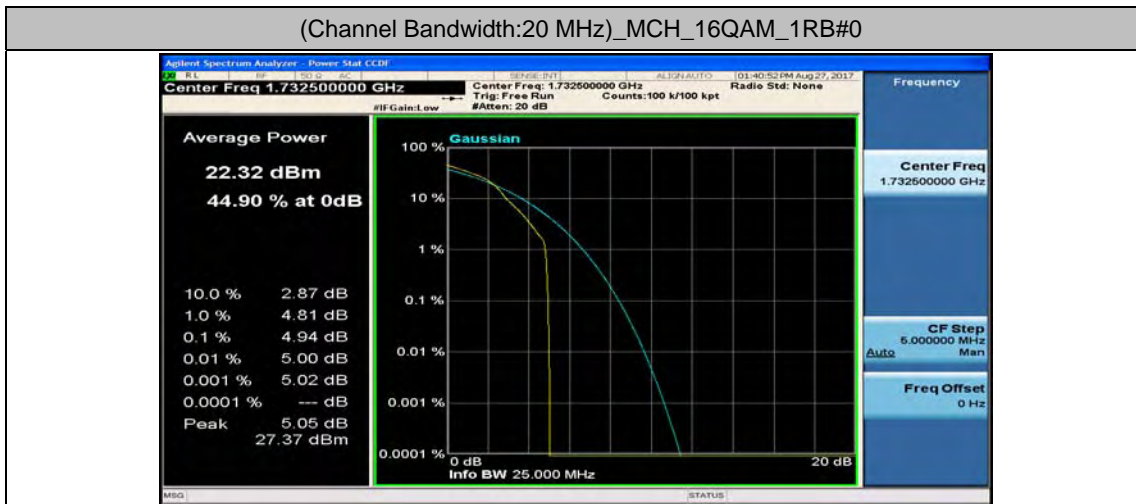
Channel Bandwidth: 20 MHz



(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	1.077	1.189	PASS
	MCH	6	0	1.077	1.194	PASS
	HCH	6	0	1.072	1.185	PASS
16QAM	LCH	6	0	1.072	1.198	PASS
	MCH	6	0	1.077	1.198	PASS
	HCH	6	0	1.077	1.203	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	2.692	2.856	PASS
	MCH	15	0	2.692	2.865	PASS
	HCH	15	0	2.683	2.827	PASS
16QAM	LCH	15	0	2.692	2.894	PASS
	MCH	15	0	2.692	2.856	PASS
	HCH	15	0	2.692	2.846	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	4.487	4.712	PASS
	MCH	25	0	4.455	4.696	PASS
	HCH	25	0	4.487	4.679	PASS



16QAM	LCH	25	0	4.487	4.696	PASS
	MCH	25	0	4.471	4.679	PASS
	HCH	25	0	4.471	4.728	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	8.974	9.295	PASS
	MCH	50	0	8.910	9.327	PASS
	HCH	50	0	8.942	9.327	PASS
16QAM	LCH	50	0	8.974	9.327	PASS
	MCH	50	0	8.910	9.295	PASS
	HCH	50	0	8.942	9.295	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	13.462	14.231	PASS
	MCH	75	0	13.413	14.183	PASS
	HCH	75	0	13.462	14.231	PASS
16QAM	LCH	75	0	13.462	14.231	PASS
	MCH	75	0	13.413	14.183	PASS
	HCH	75	0	13.462	14.231	PASS

Channel Bandwidth: 20 MHz

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

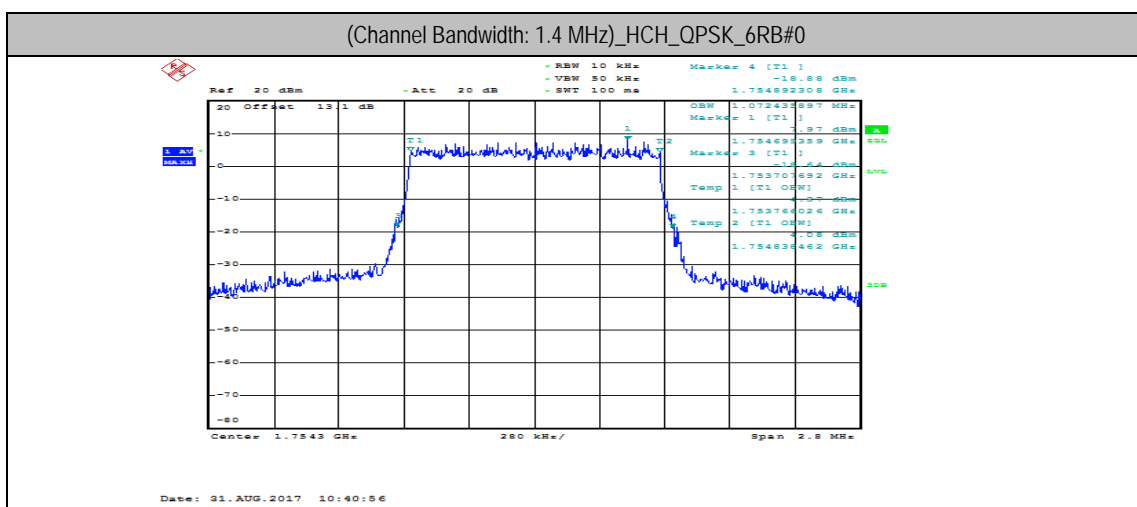
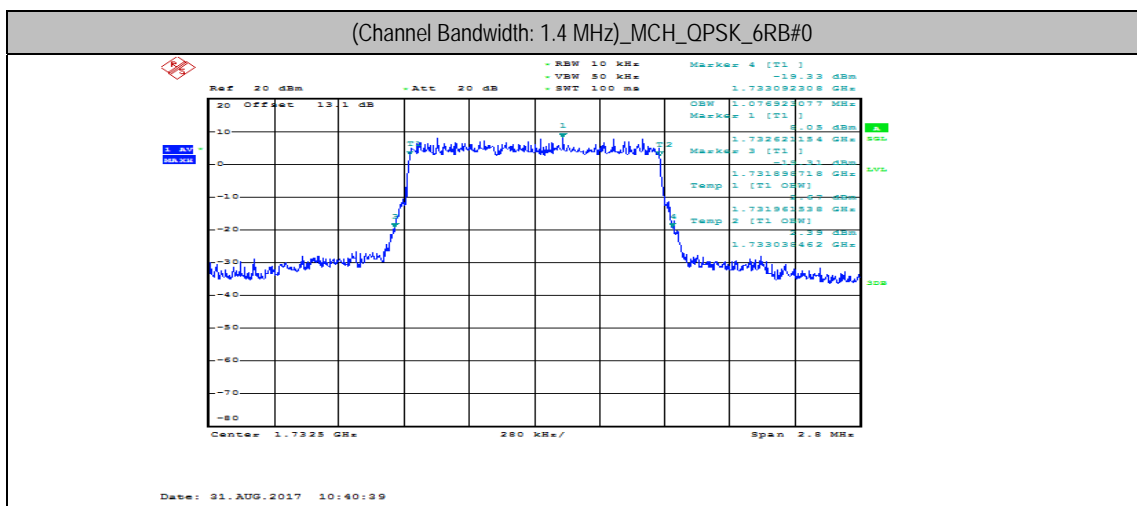
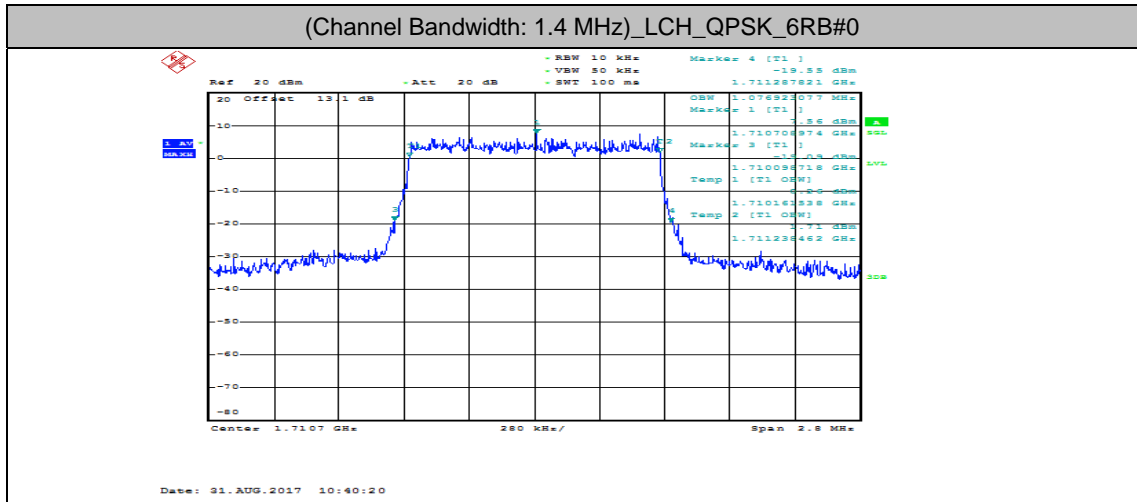


QPSK	LCH	100	0	17.885	18.718	PASS
	MCH	100	0	17.821	18.718	PASS
	HCH	100	0	17.885	18.782	PASS
16QAM	LCH	100	0	17.885	18.782	PASS
	MCH	100	0	17.756	18.718	PASS
	HCH	100	0	17.949	18.718	PASS



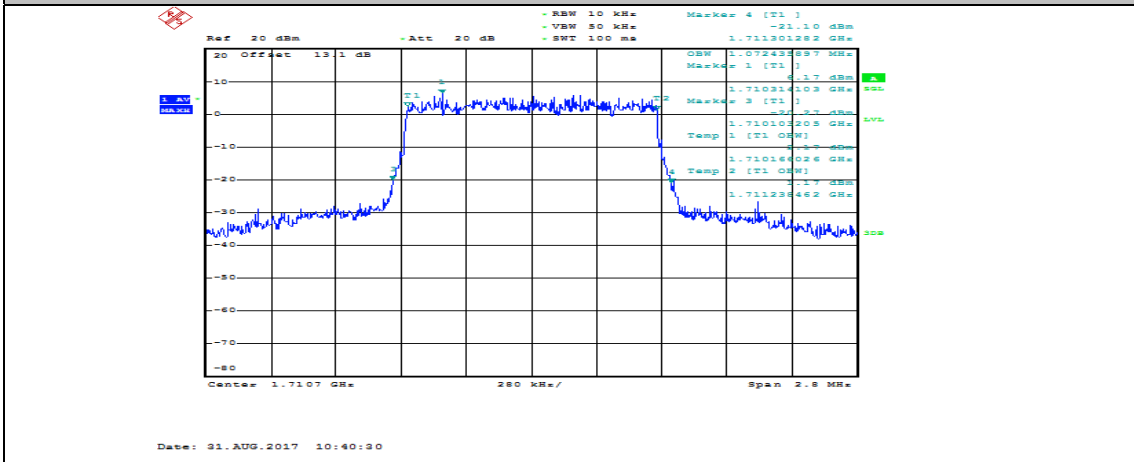
Test Graphs

Channel Bandwidth: 1.4 MHz

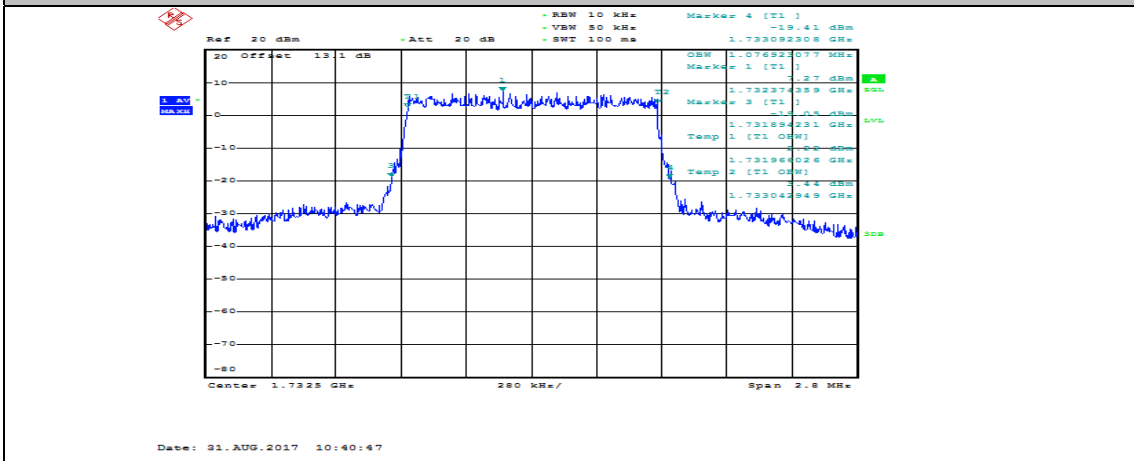




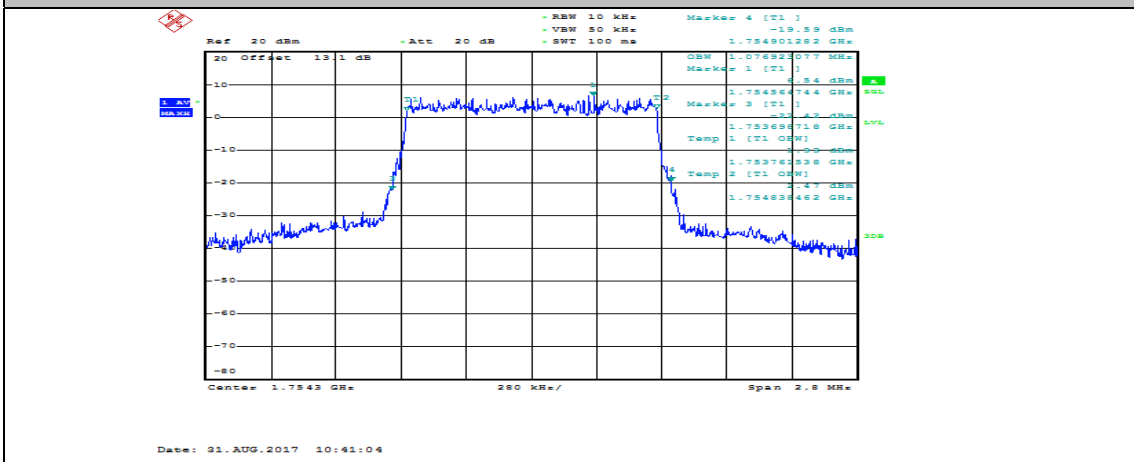
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

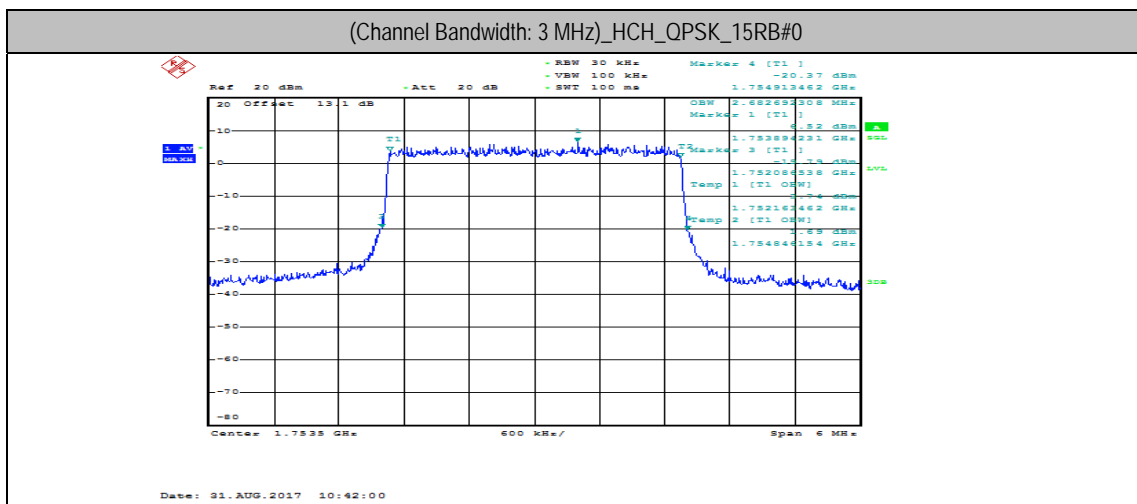
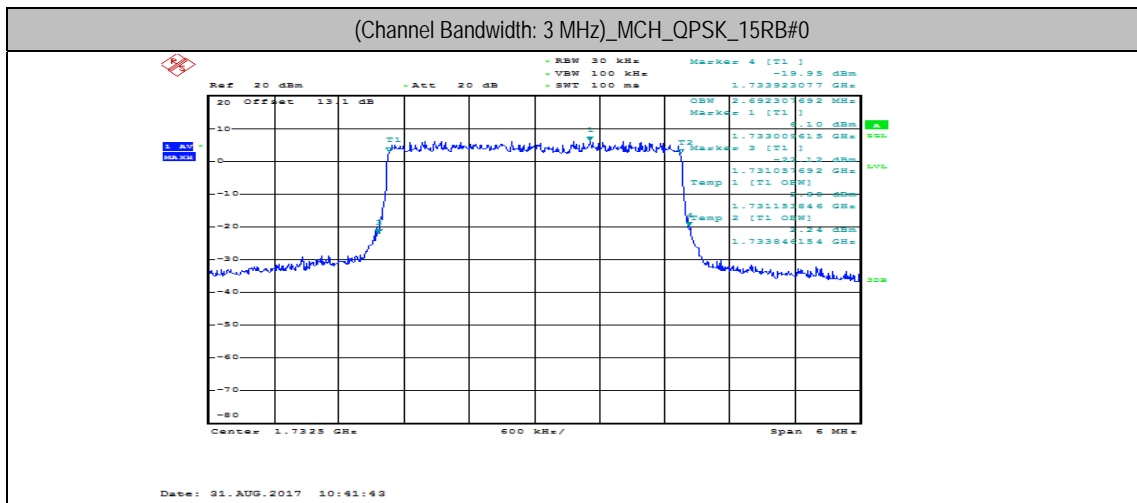
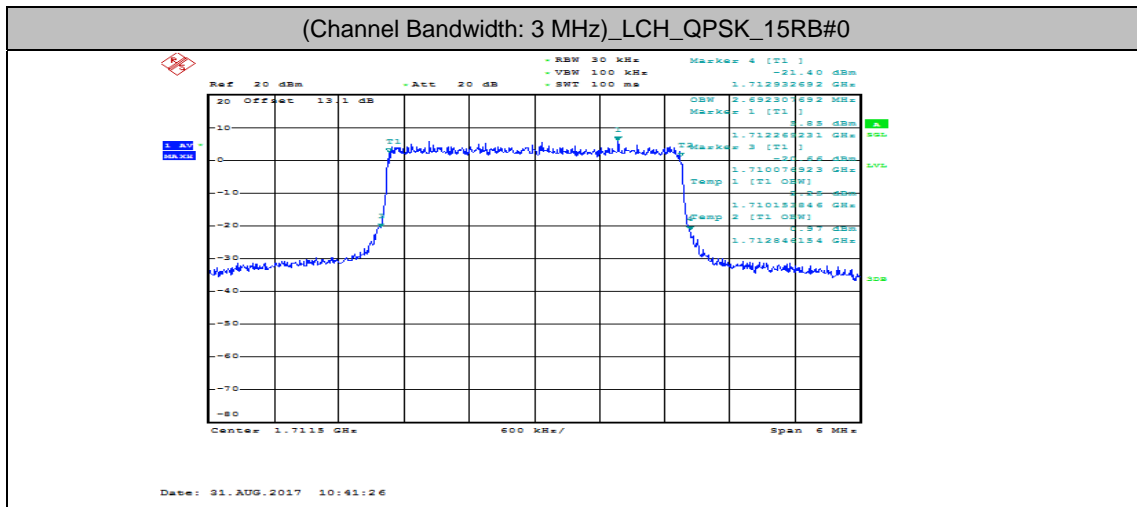


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



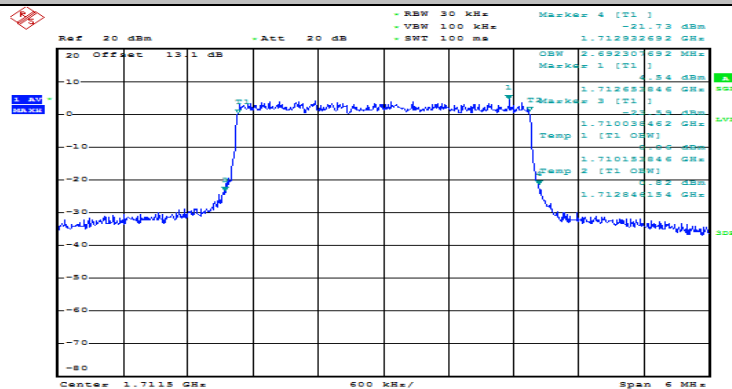


Channel Bandwidth: 3 MHz



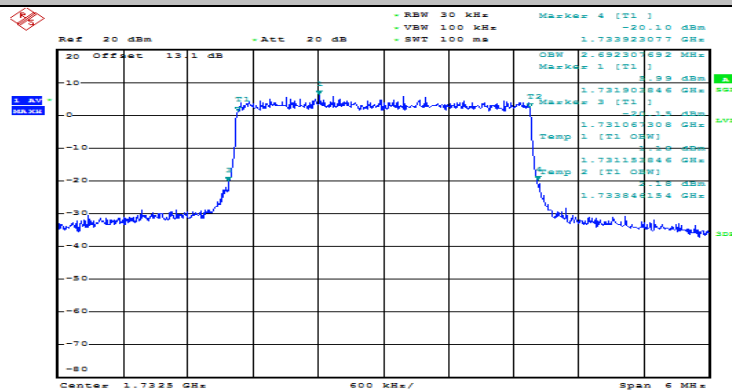


(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



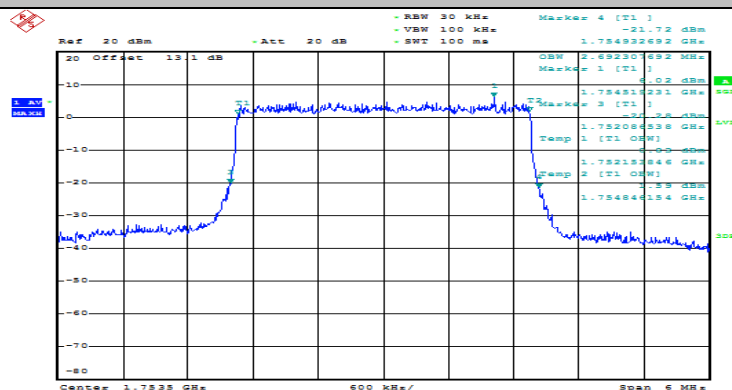
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



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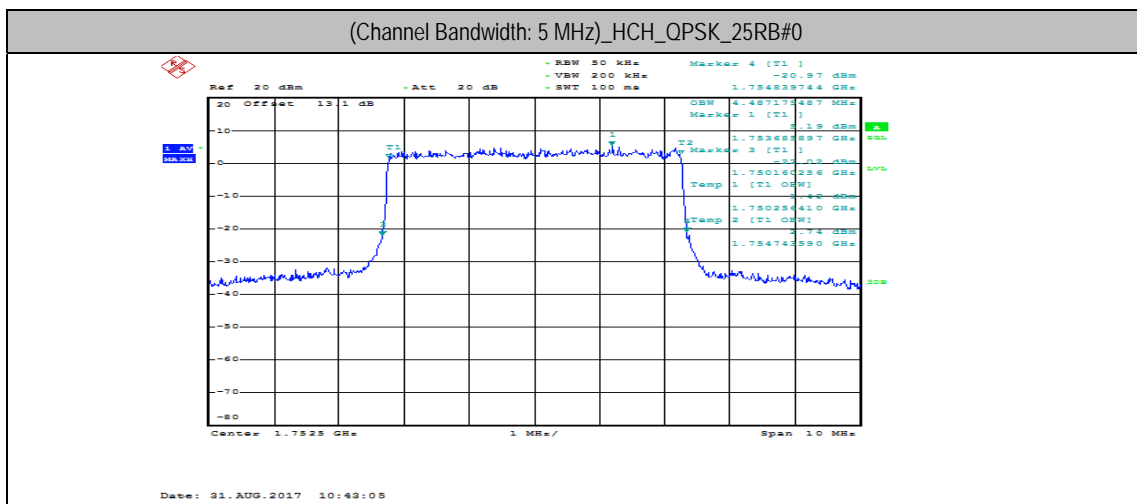
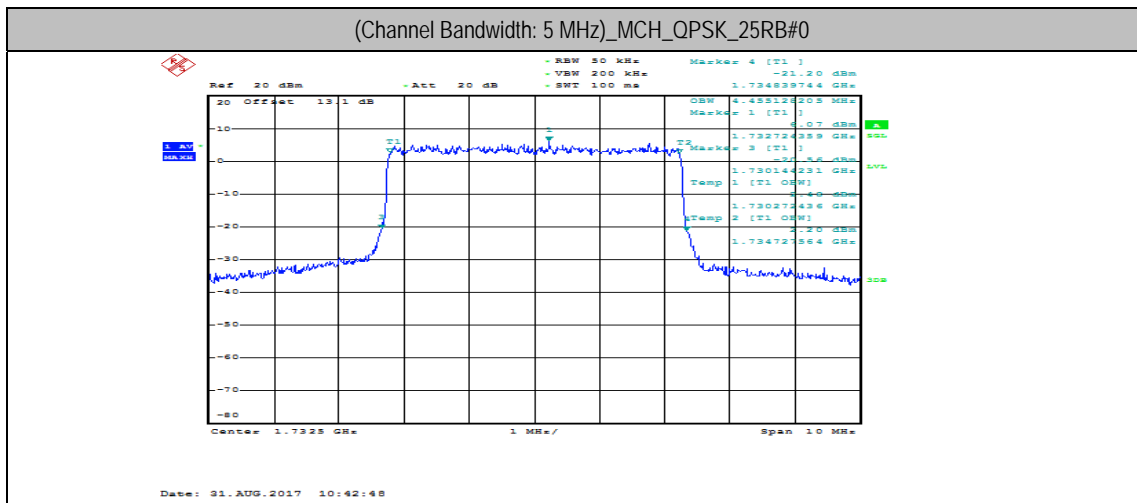
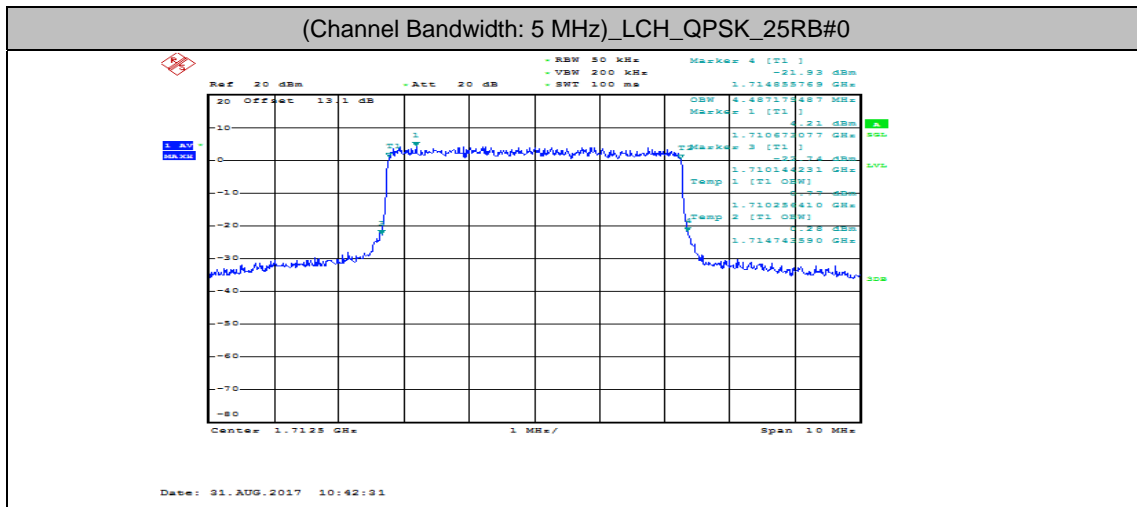
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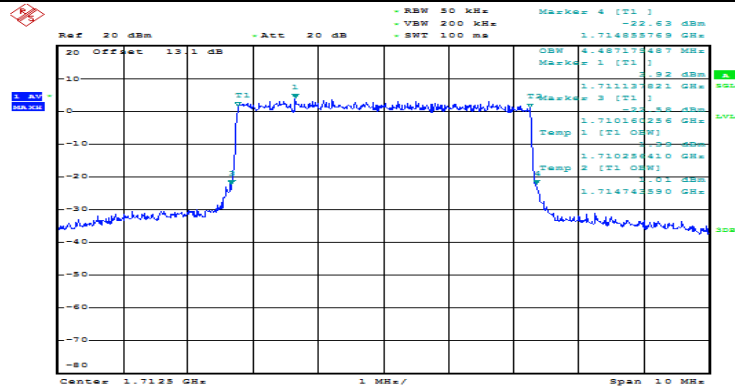


Channel Bandwidth: 5 MHz



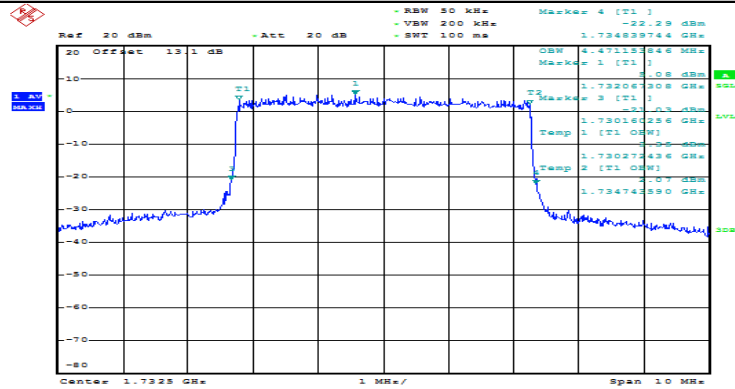


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



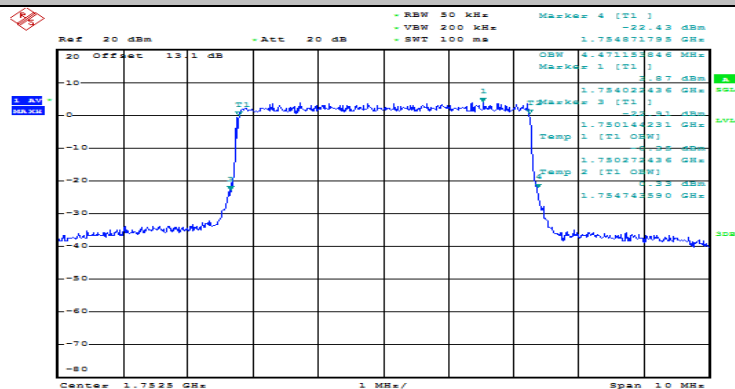
Date: 31.AUG.2017 10:42:39

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



Date: 31.AUG.2017 10:42:57

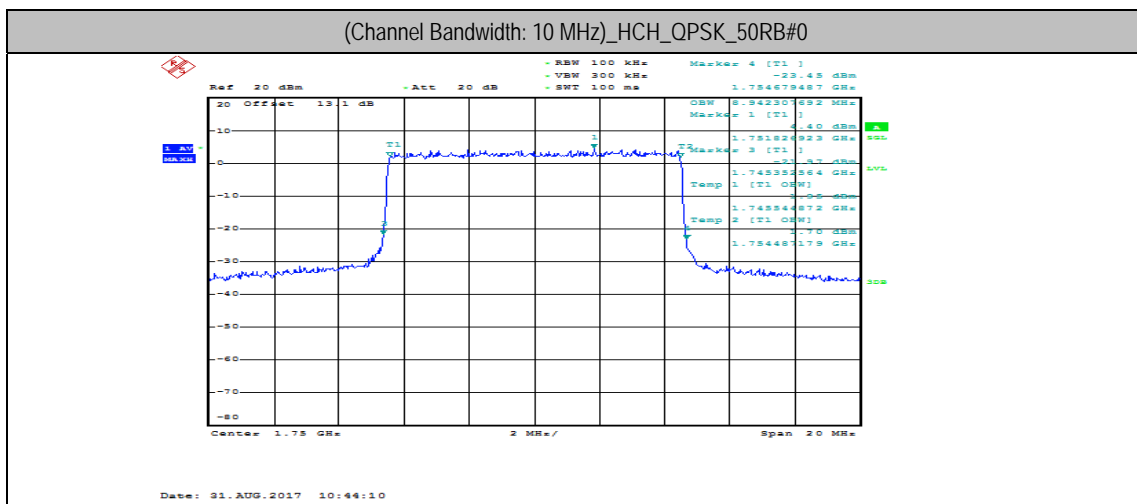
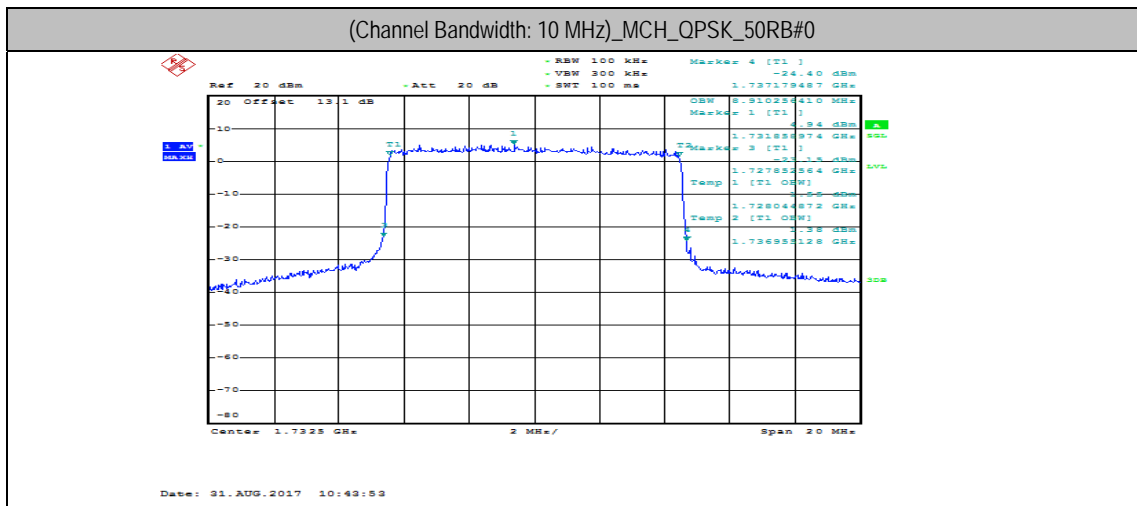
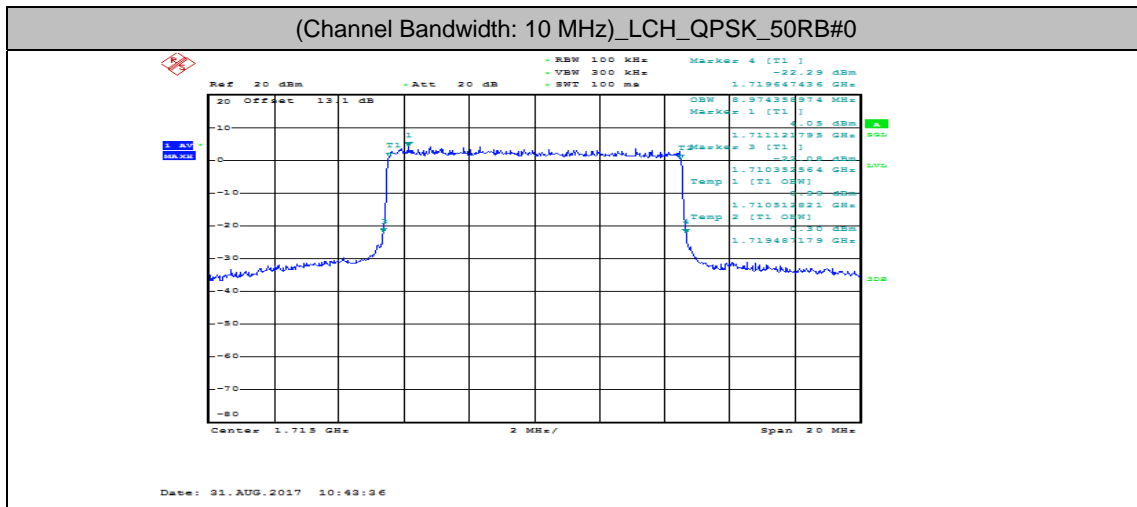
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Date: 31.AUG.2017 10:43:14

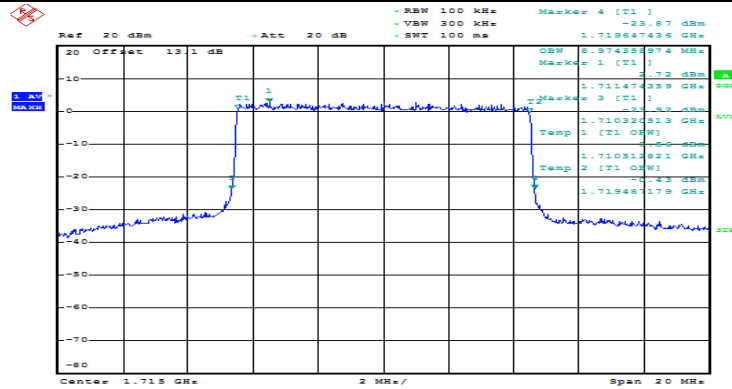


Channel Bandwidth: 10 MHz



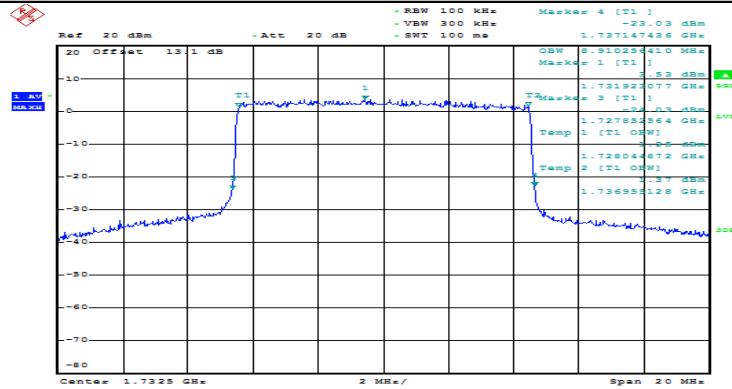


(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



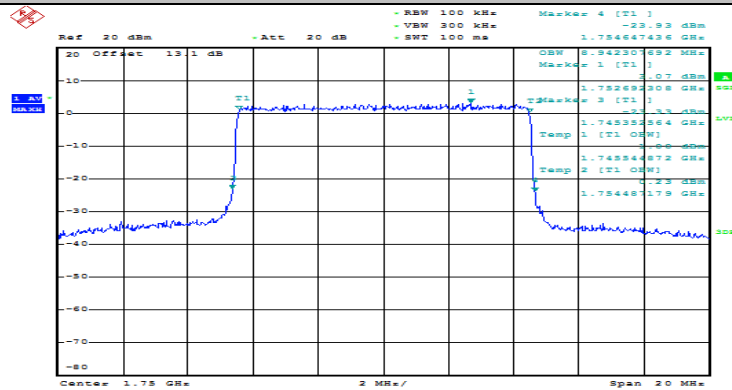
Date: 31.AUG.2017 10:43:44

(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



Date: 31.AUG.2017 10:44:02

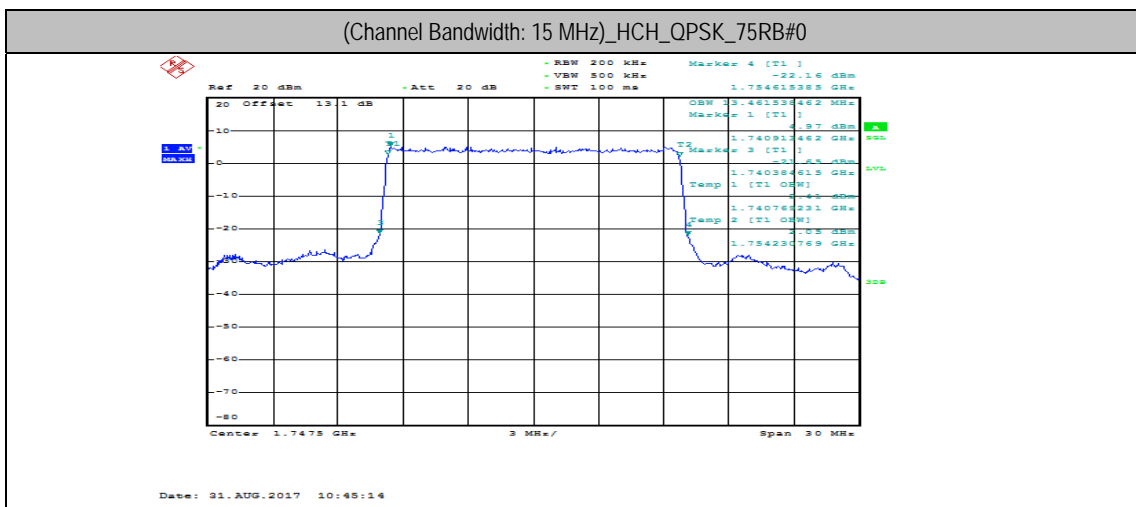
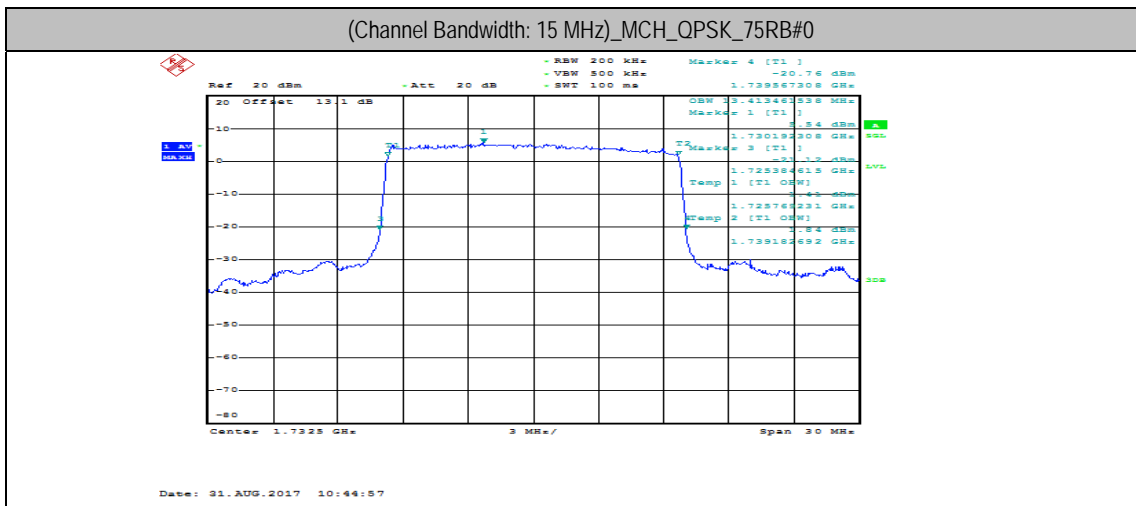
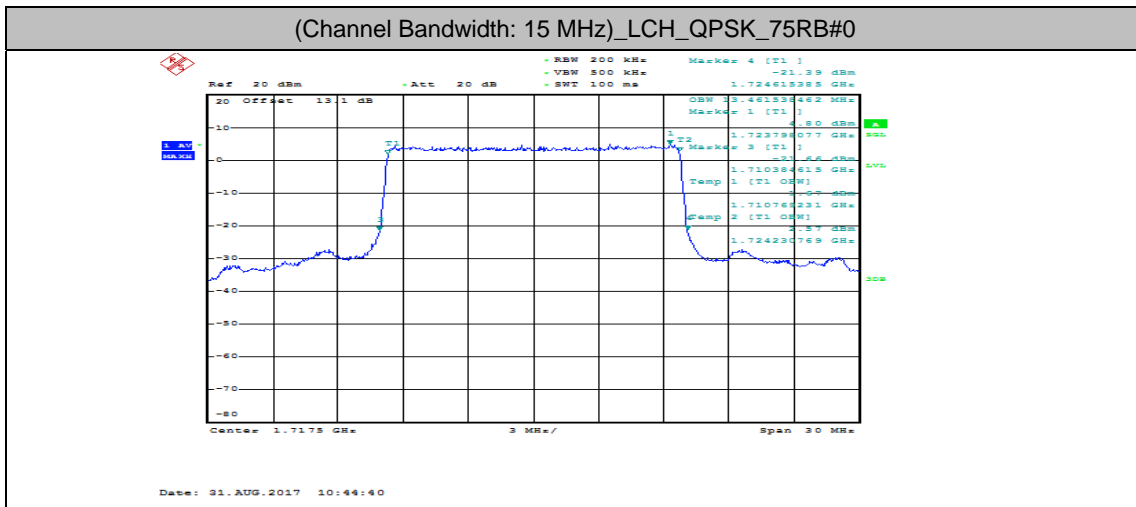
(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



Date: 31.AUG.2017 10:44:19

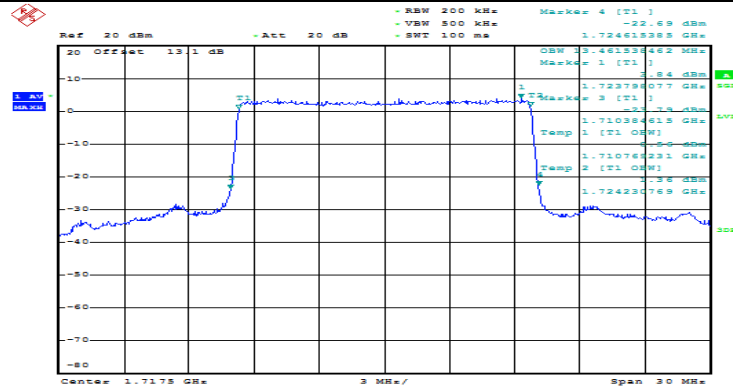


Channel Bandwidth: 15 MHz



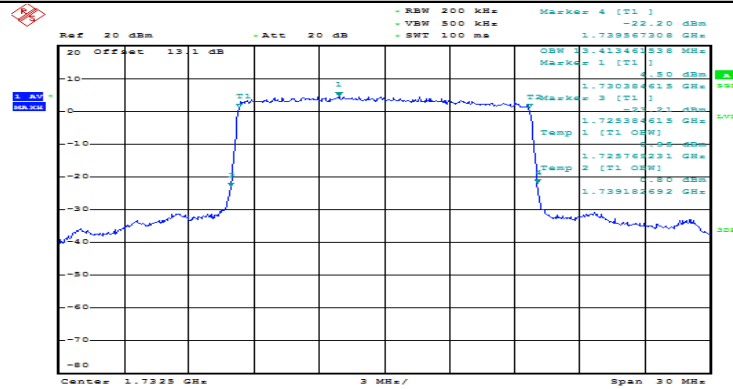


(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0



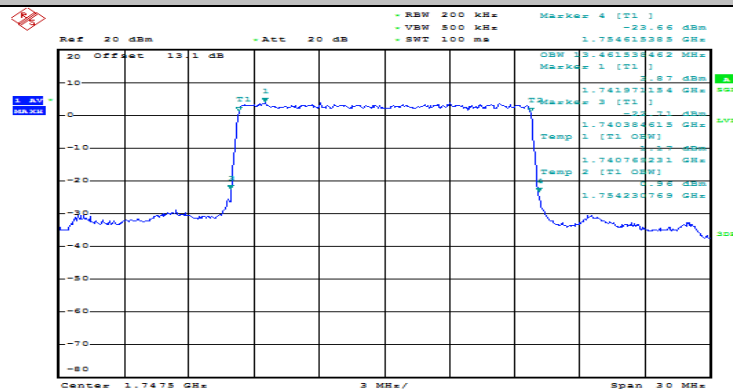
Date: 31.AUG.2017 10:44:48

(Channel Bandwidth: 15 MHz)_MCH_16QAM_75RB#0



Date: 31.AUG.2017 10:45:05

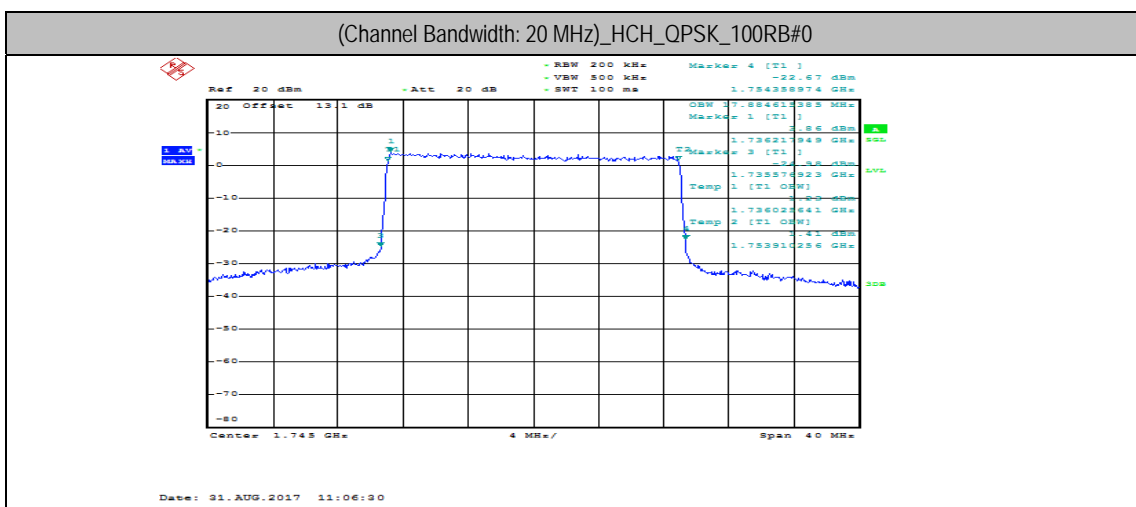
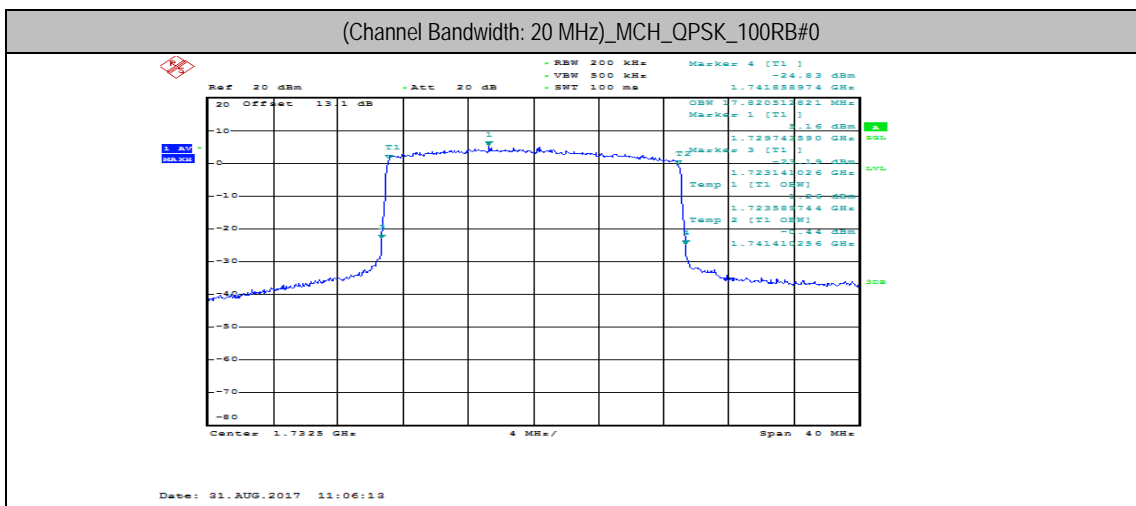
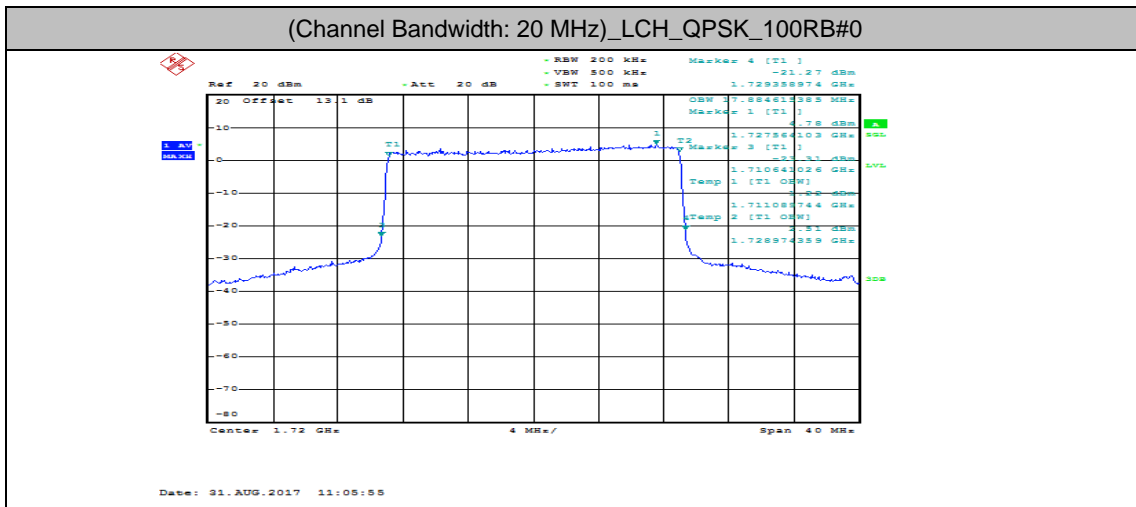
(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0



Date: 31.AUG.2017 10:45:23

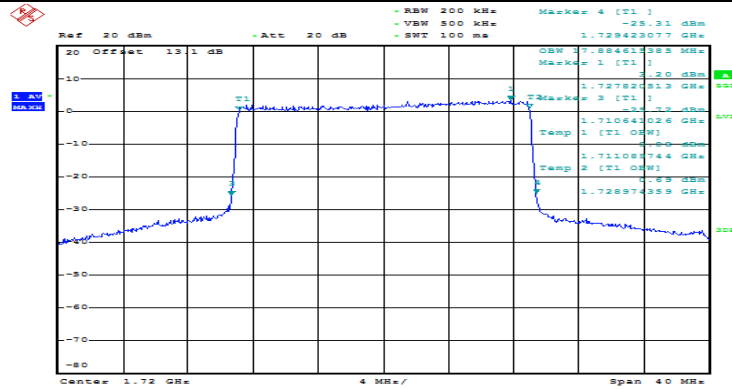


Channel Bandwidth: 20 MHz



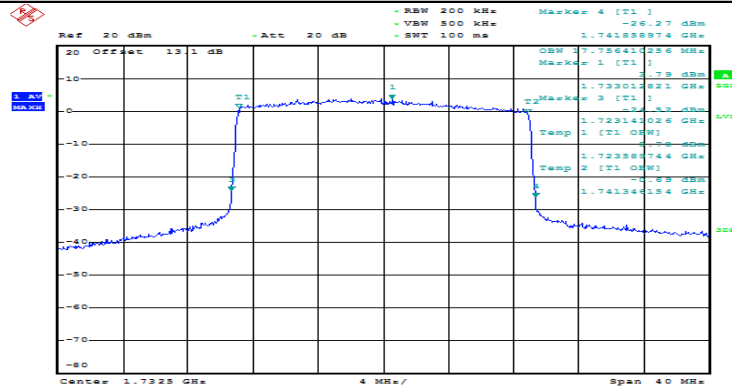


(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



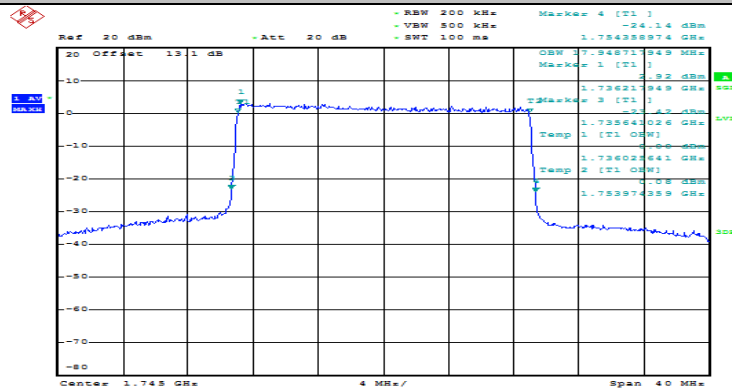
Date: 31.AUG.2017 11:06:04

(Channel Bandwidth: 20 MHz)_MCH_16QAM_100RB#0



Date: 31.AUG.2017 11:06:21

(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0



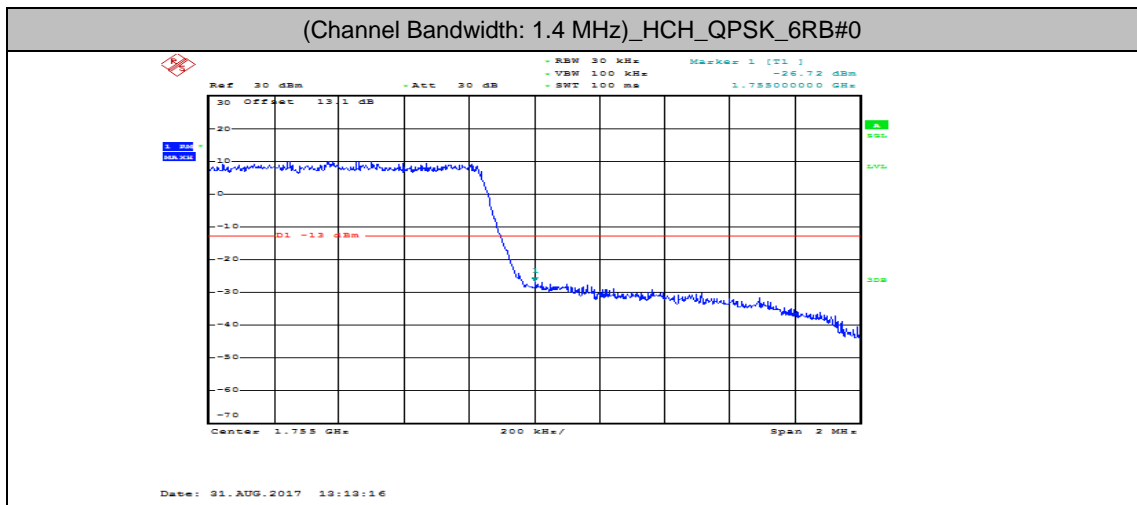
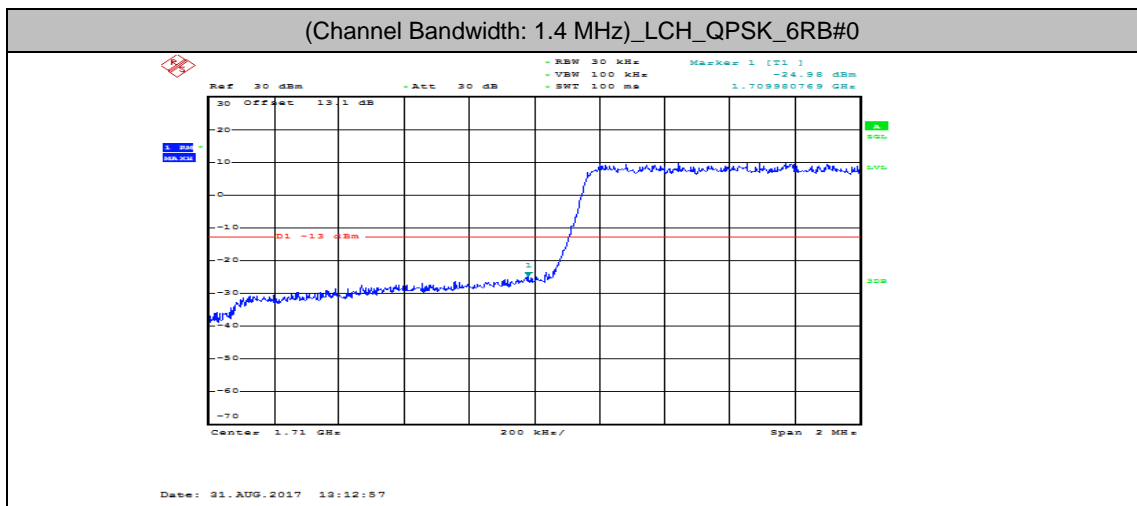
Date: 31.AUG.2017 11:06:38

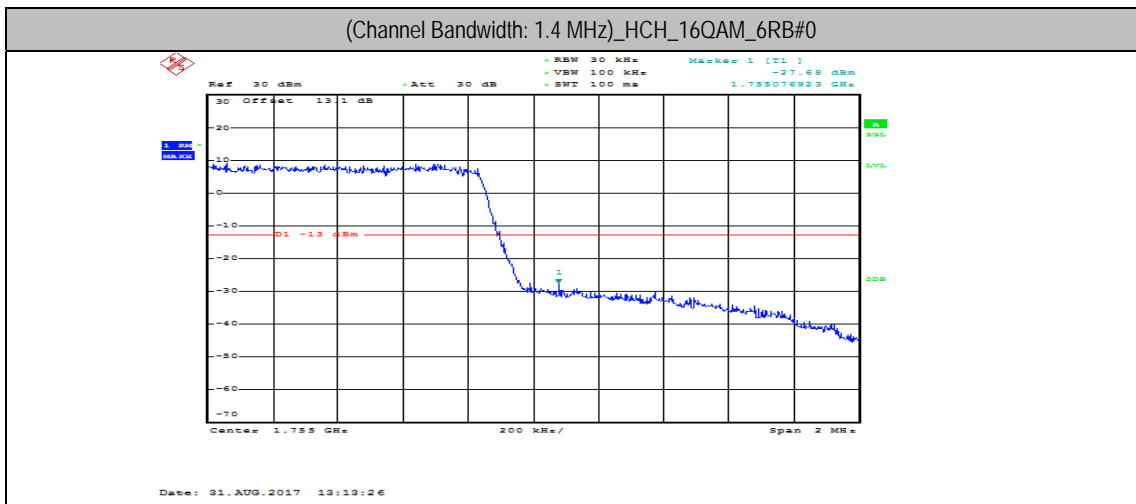
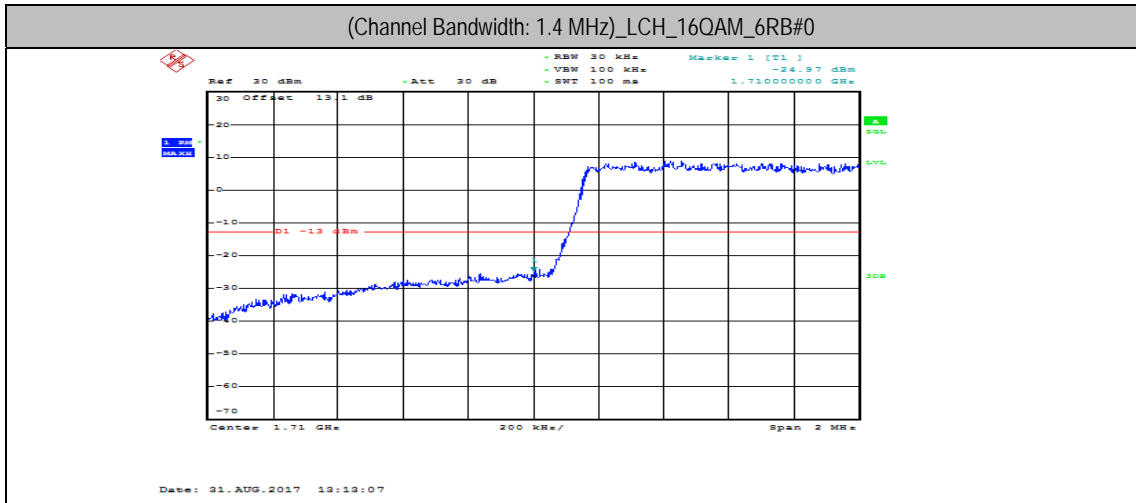


Appendix D: Band Edge

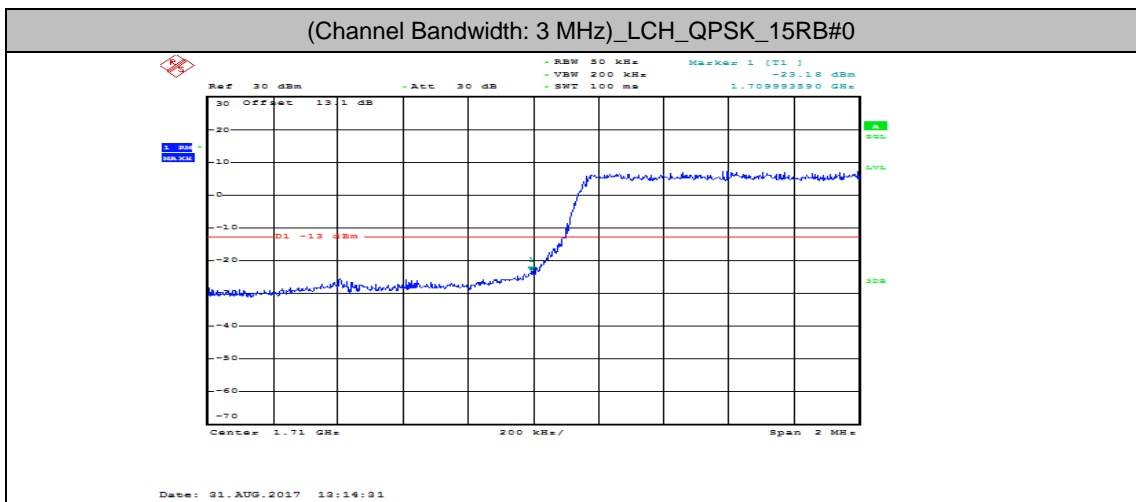
Test Graphs

Channel Bandwidth: 1.4 MHz



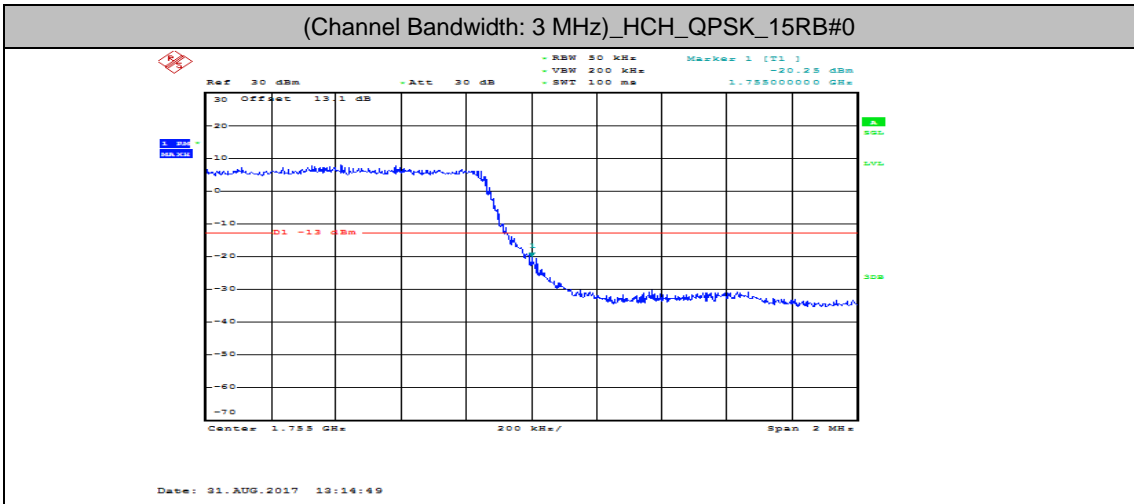


Channel Bandwidth: 3 MHz

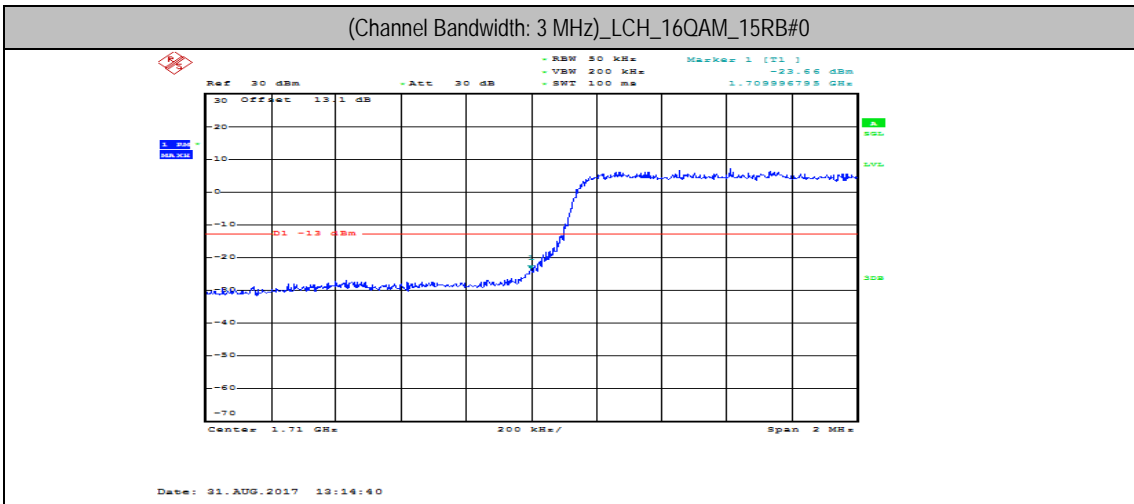




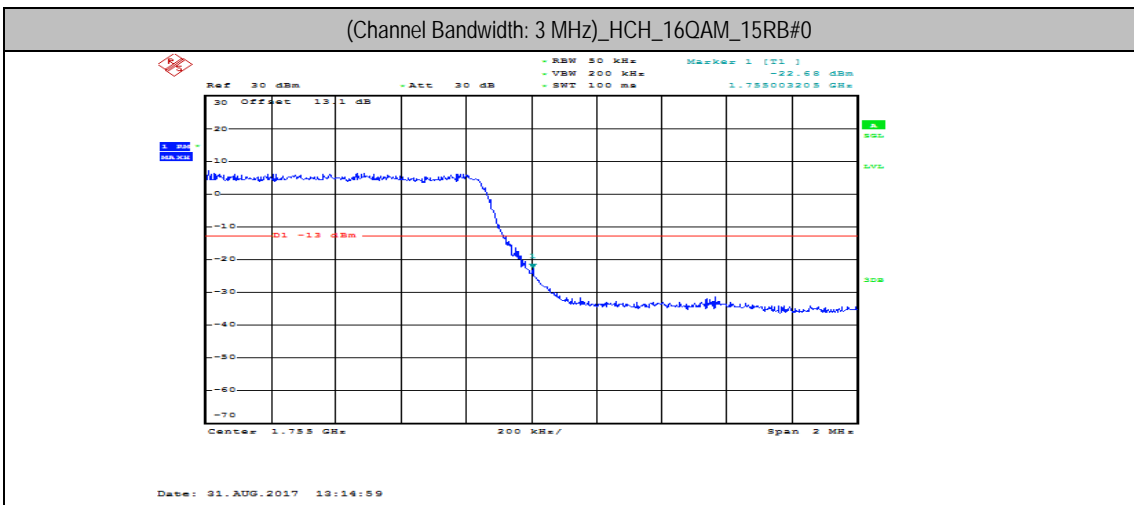
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

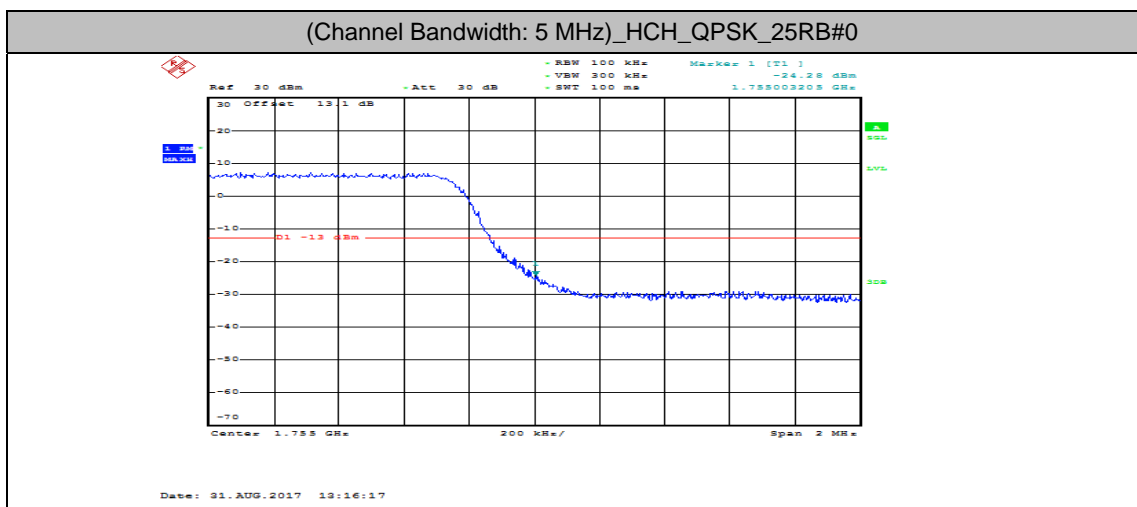
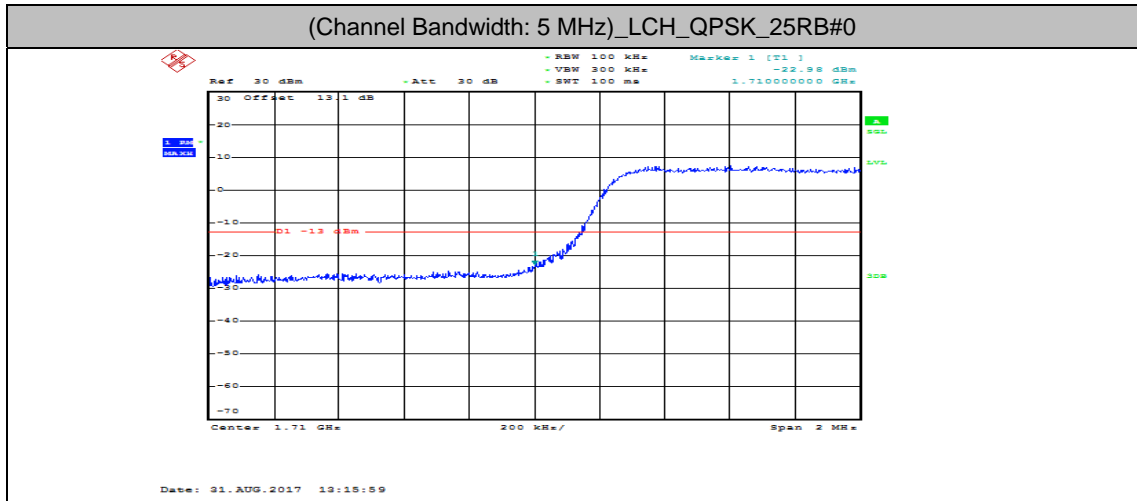


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

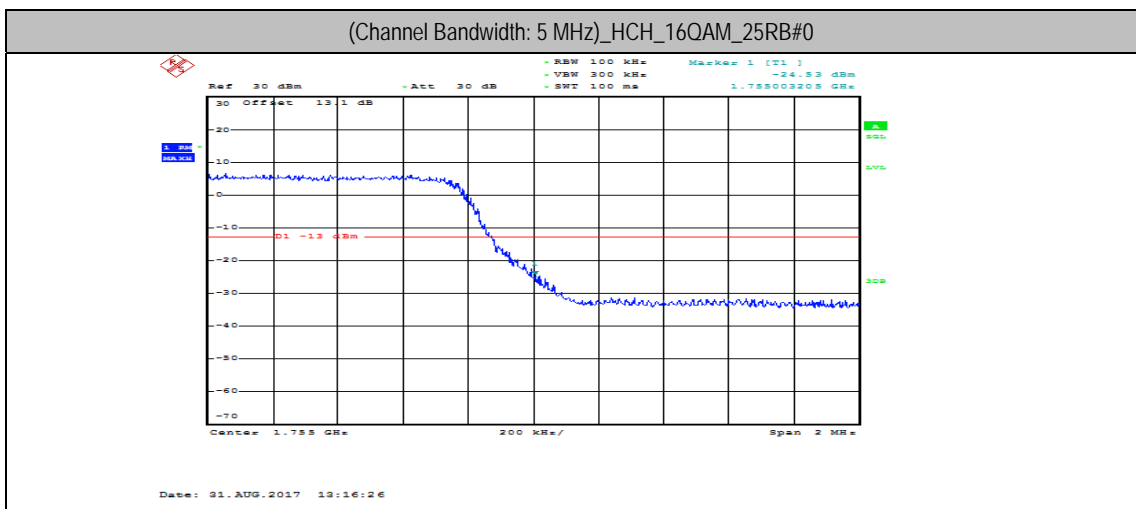
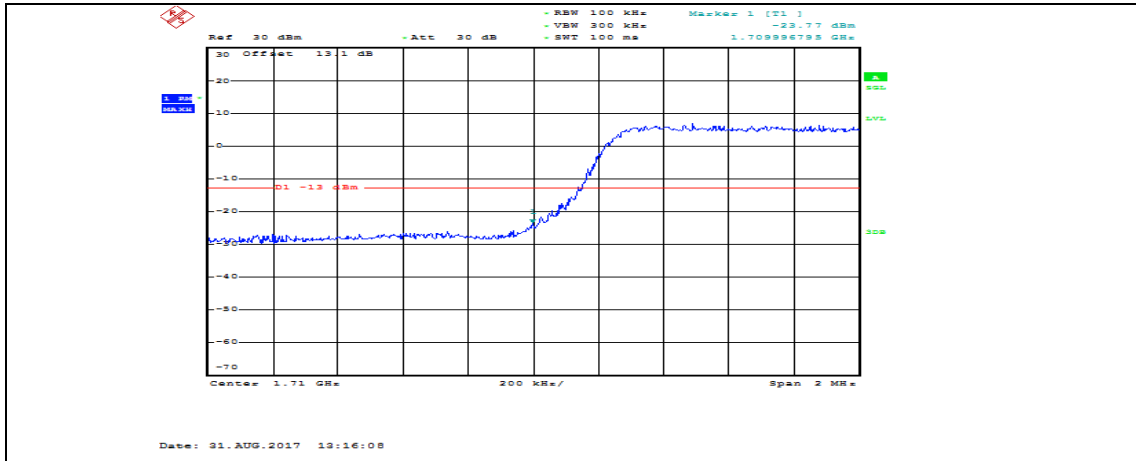




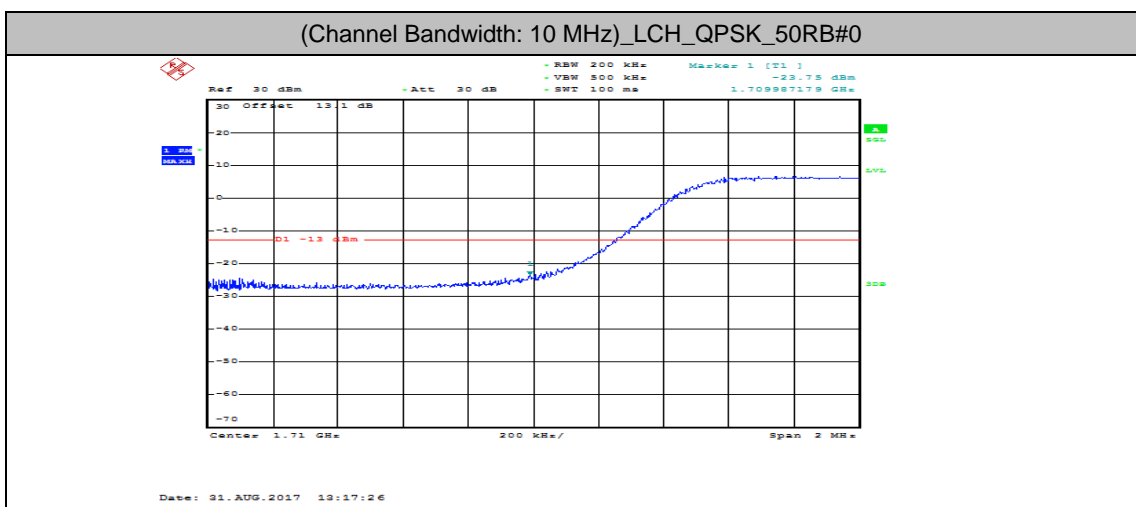
Channel Bandwidth: 5 MHz

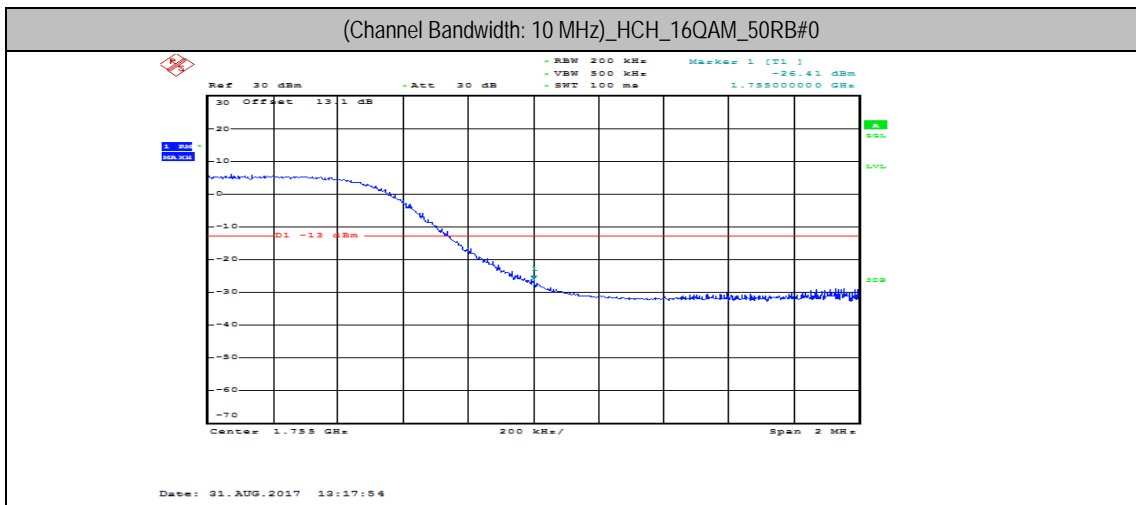
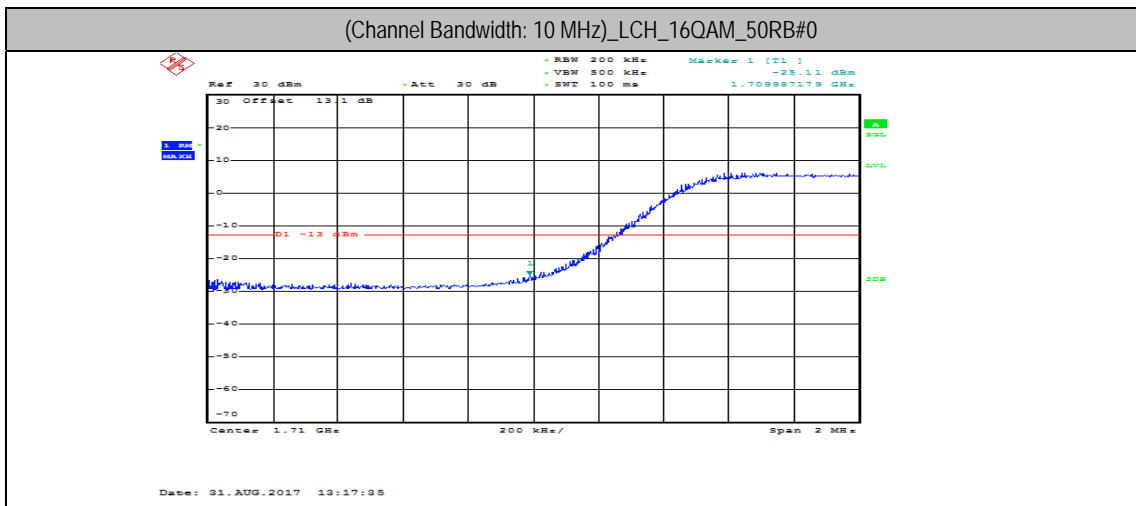
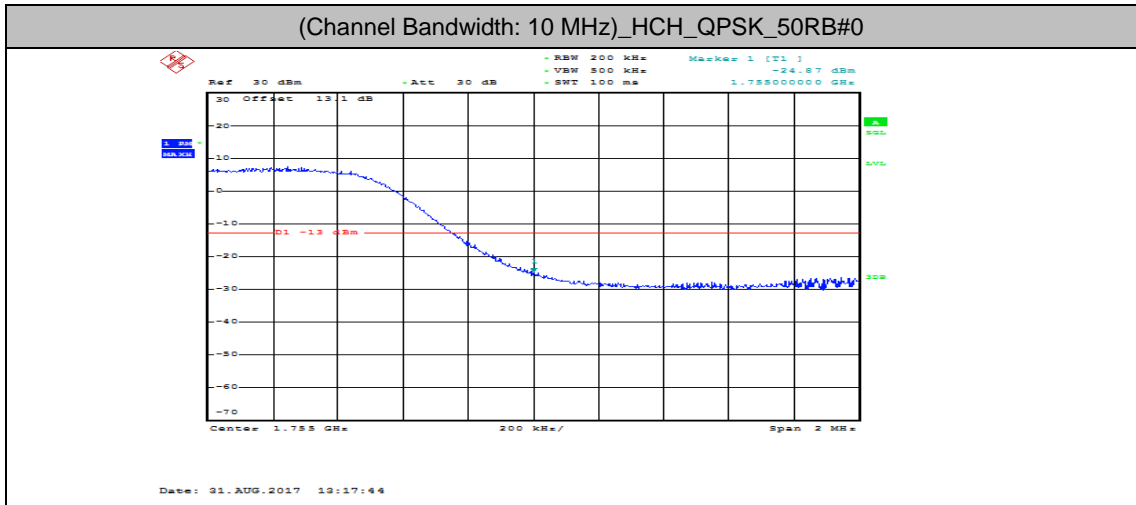


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



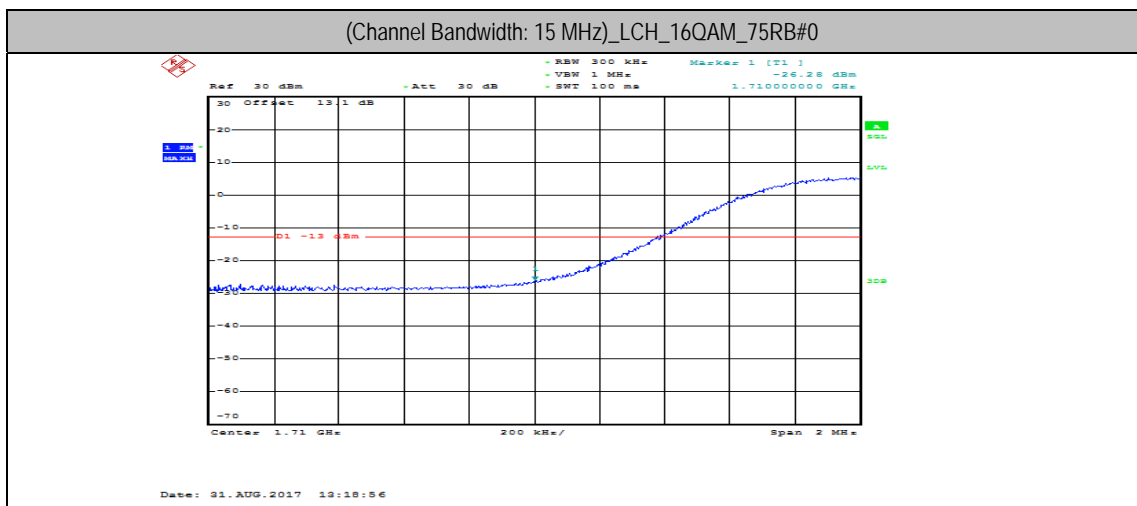
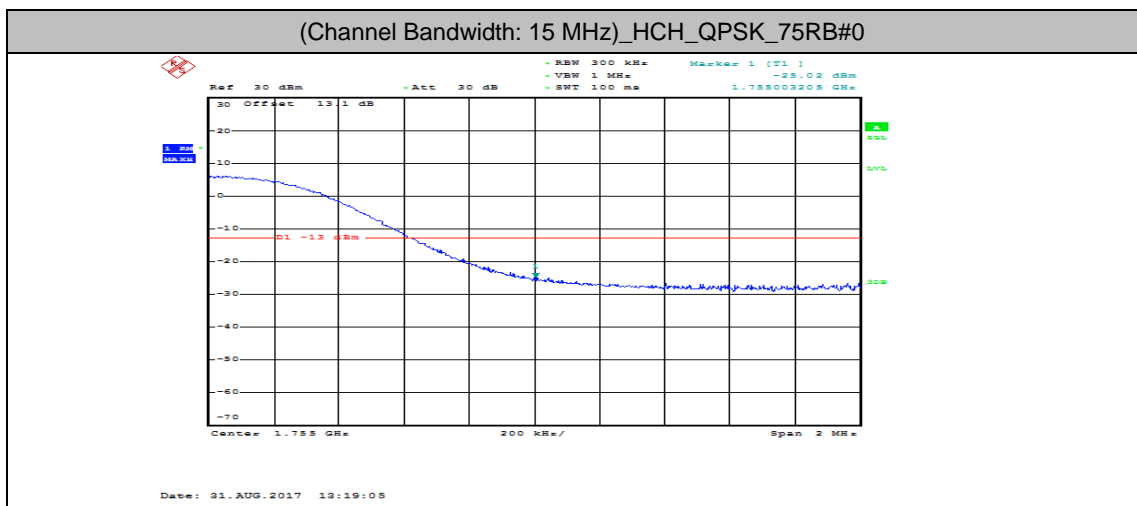
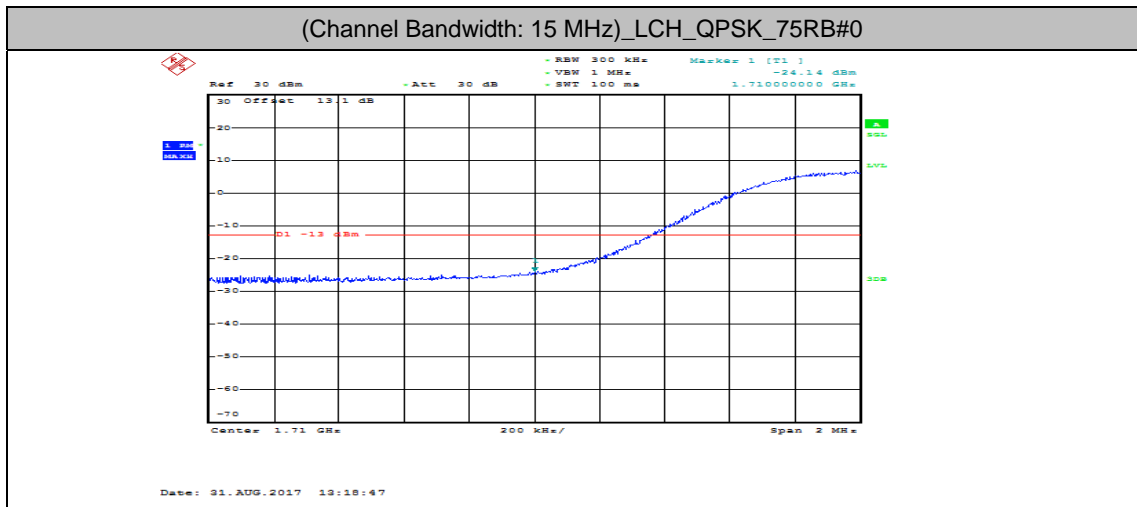
Channel Bandwidth: 10 MHz

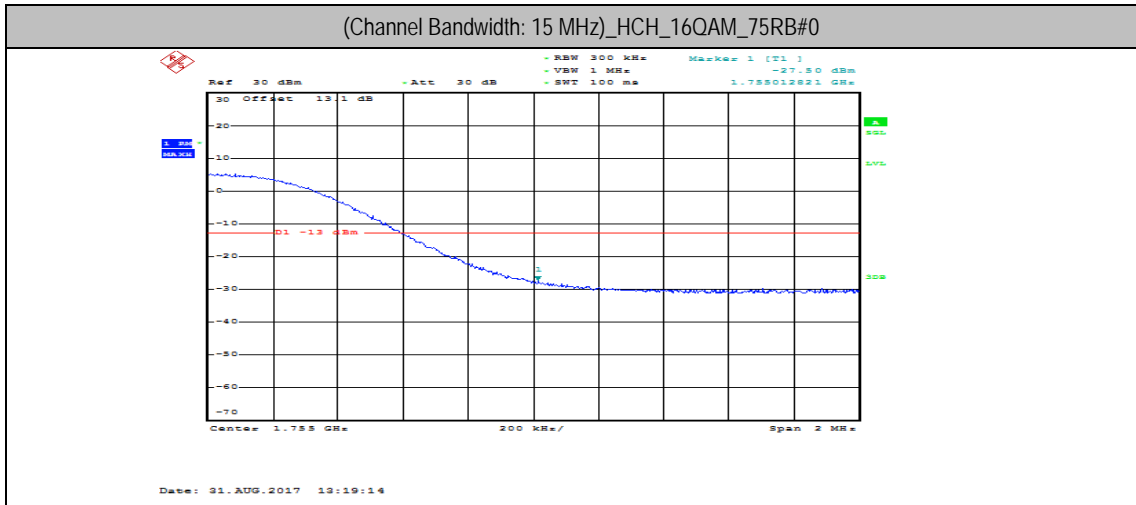




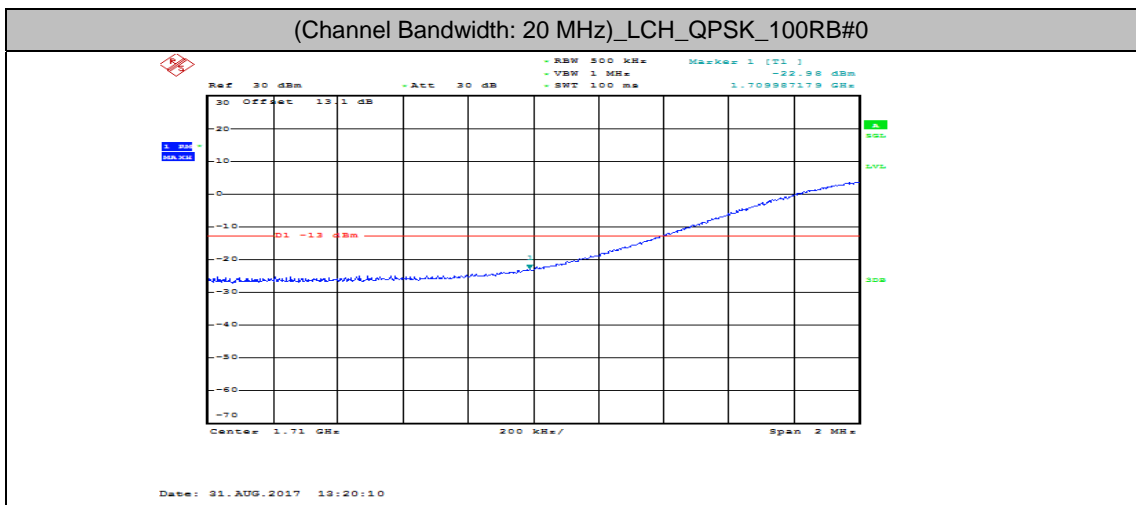


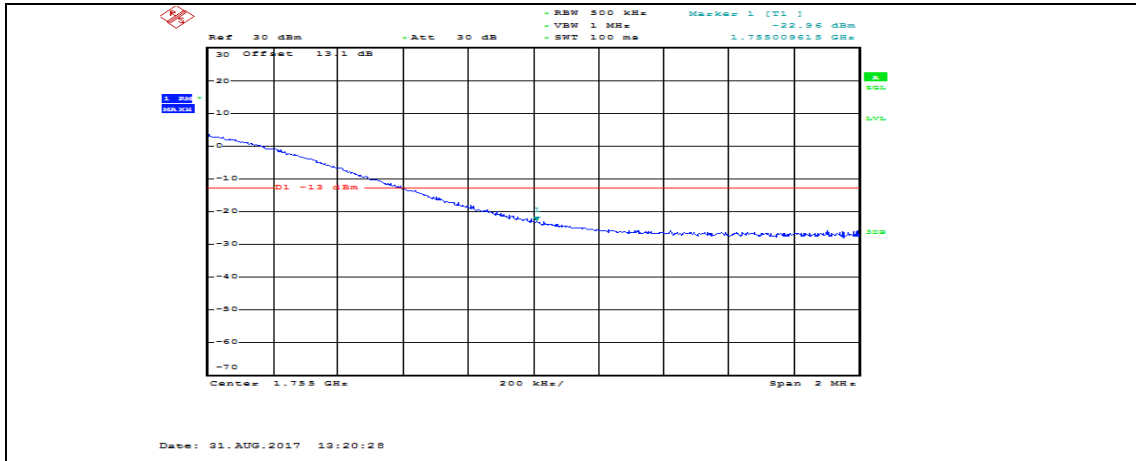
Channel Bandwidth: 15 MHz



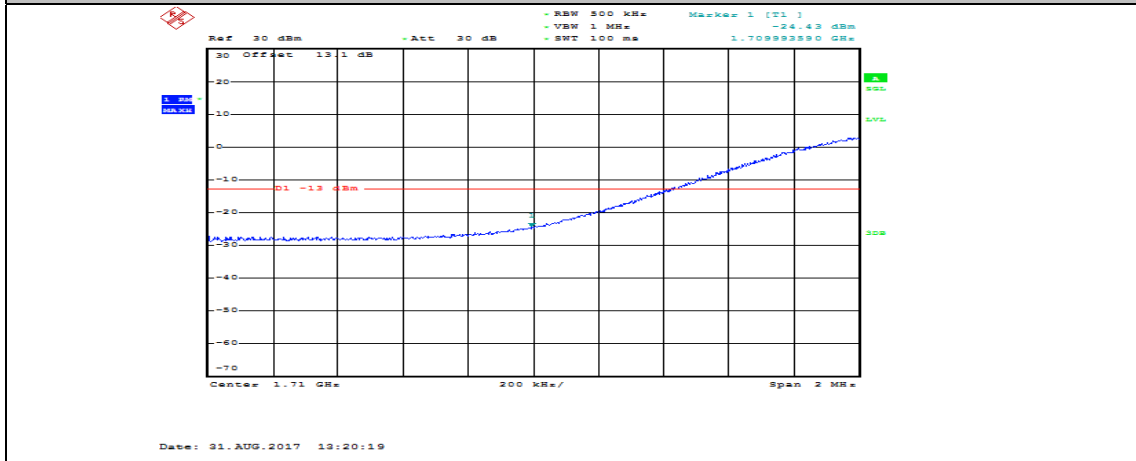


Channel Bandwidth: 20 MHz

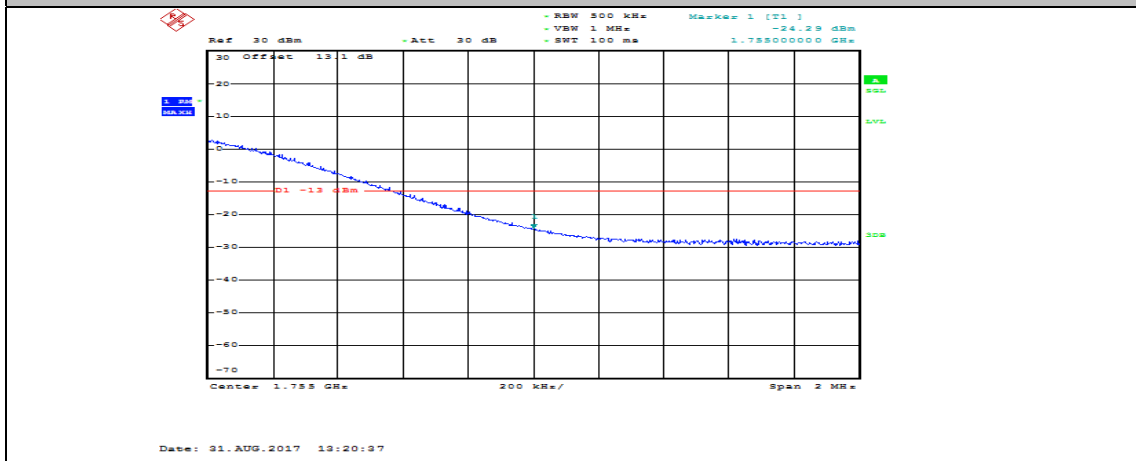




(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0

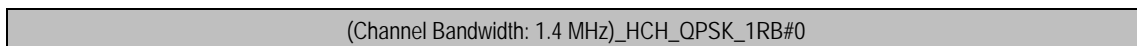
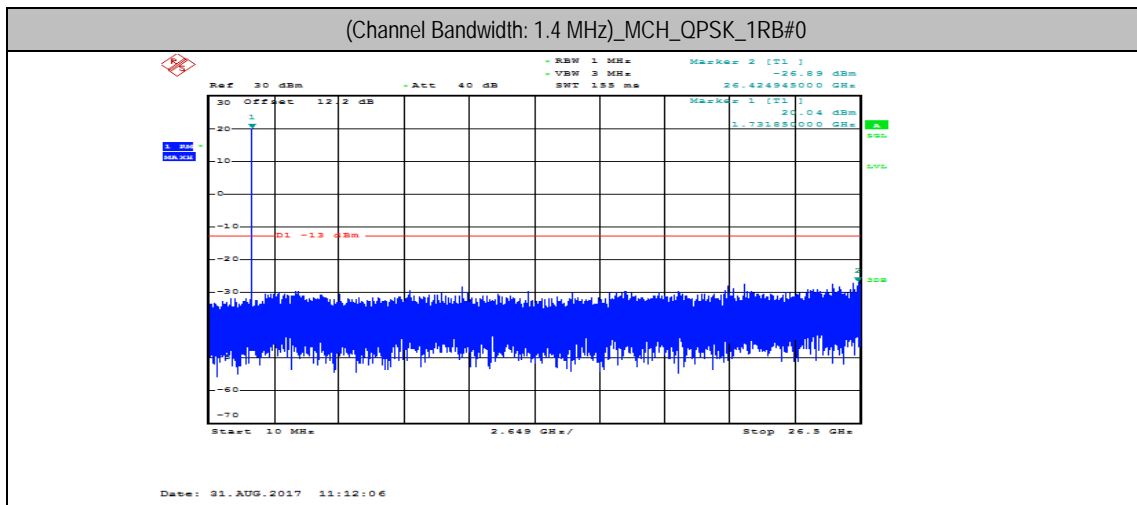
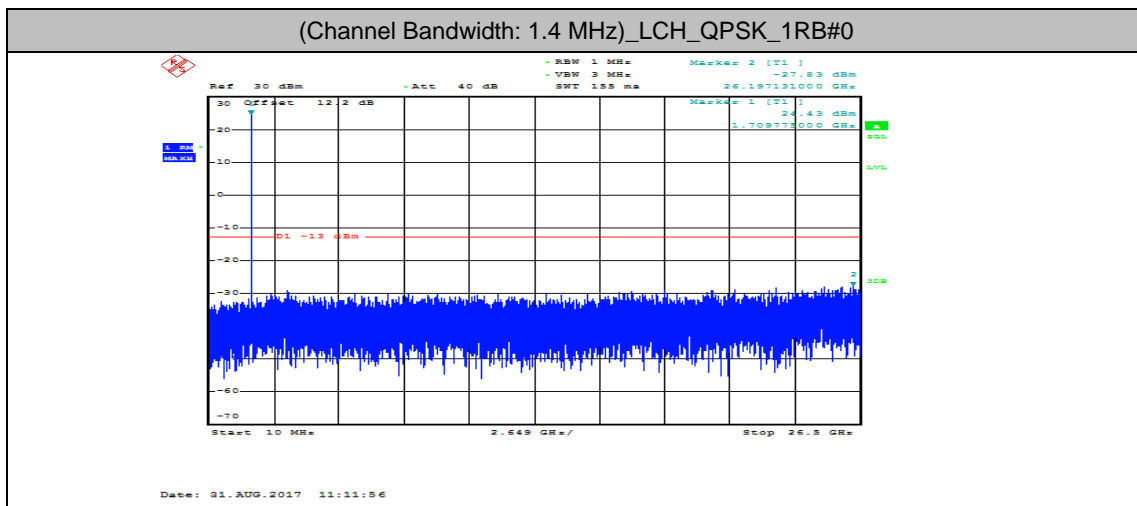


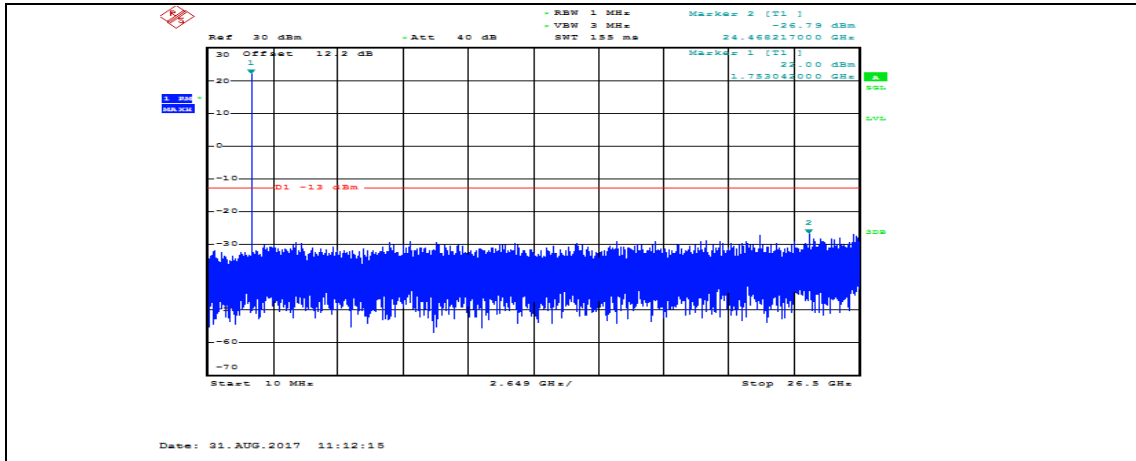


Appendix E: Conducted Spurious Emission

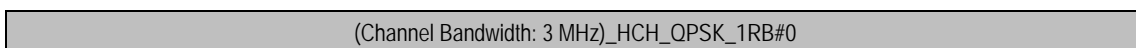
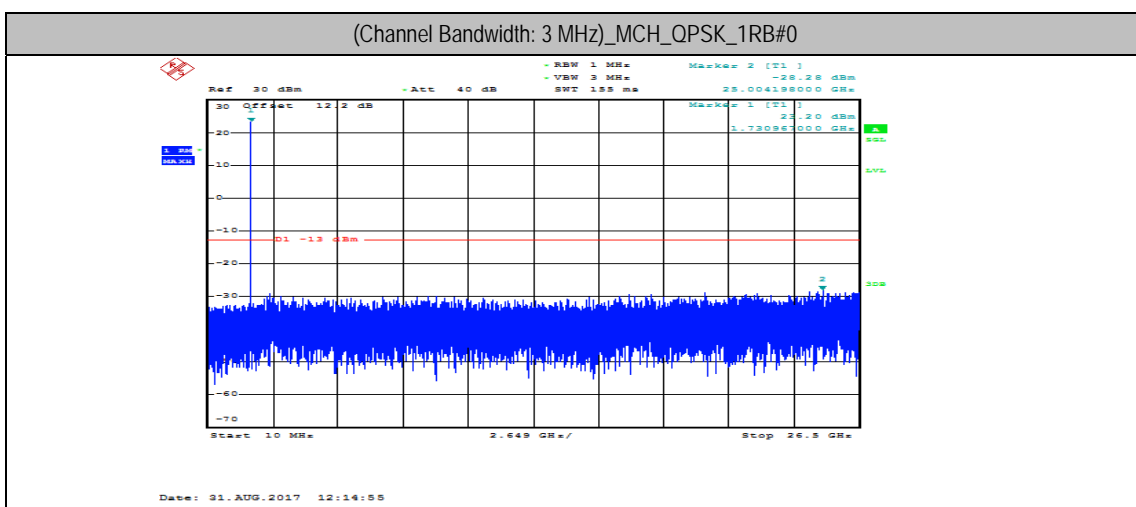
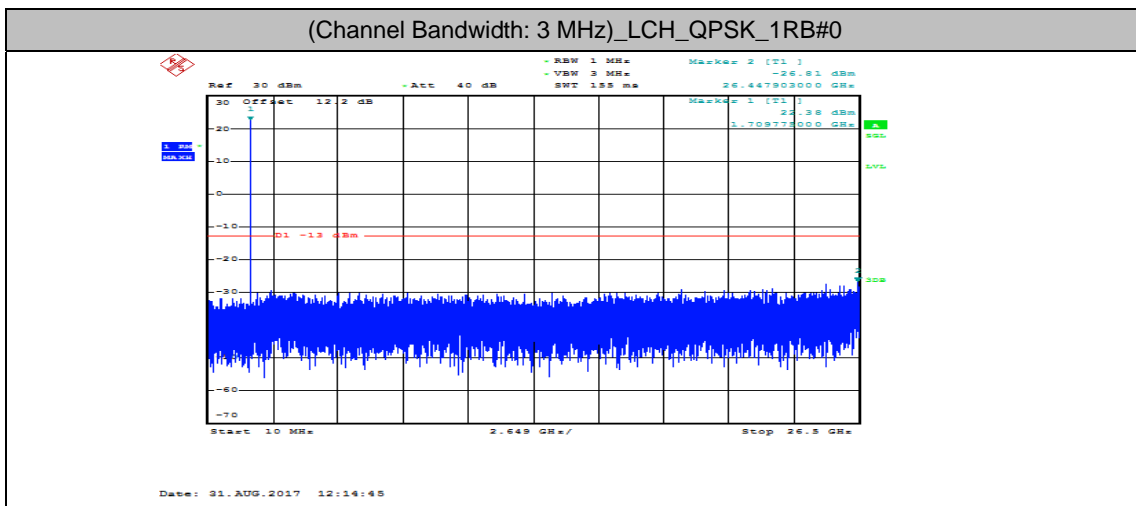
Test Graphs

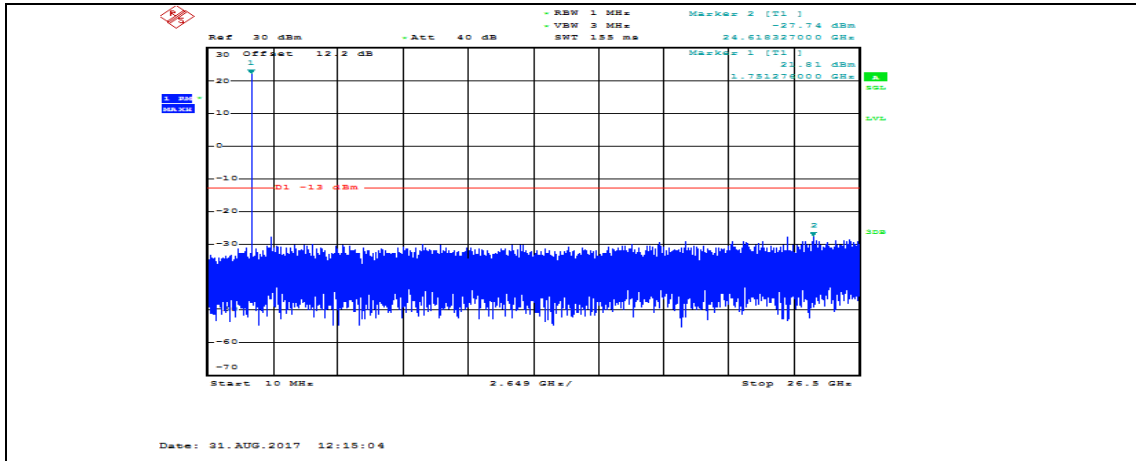
Channel Bandwidth: 1.4 MHz



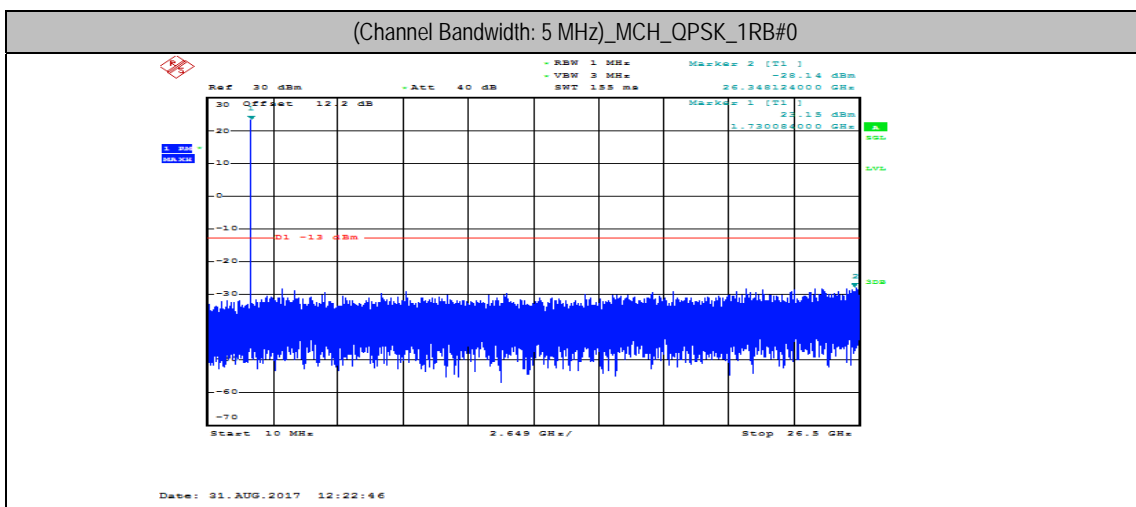
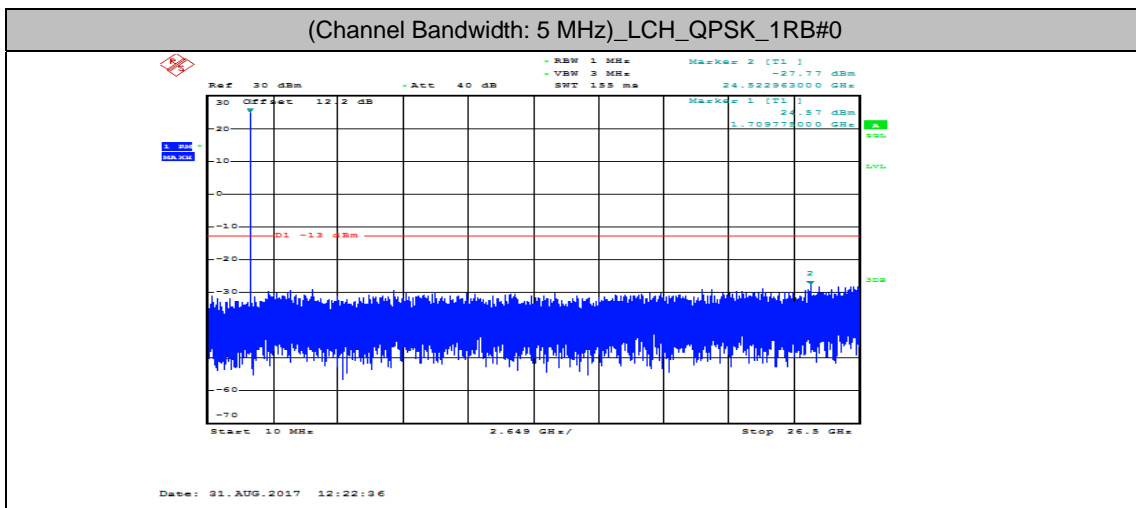


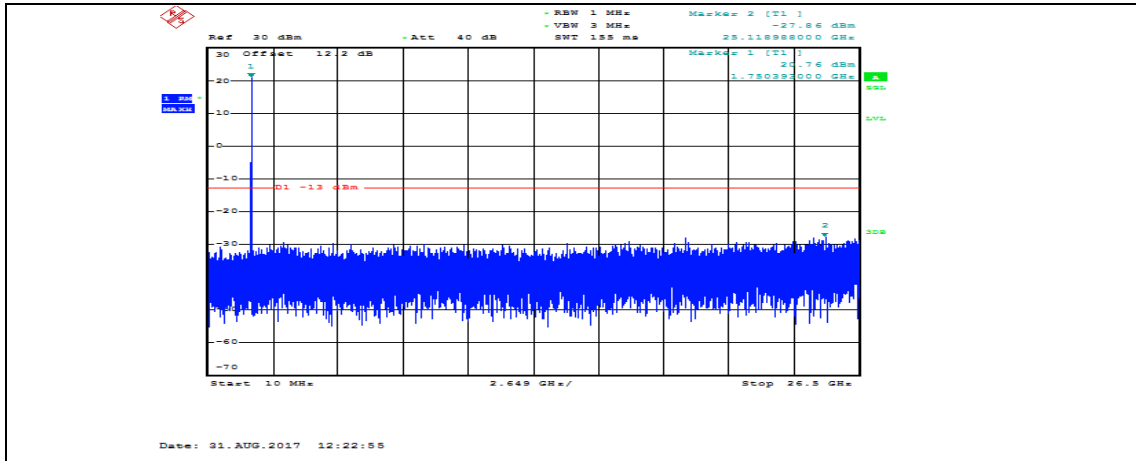
Channel Bandwidth: 3 MHz



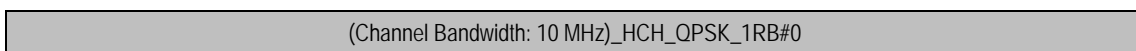
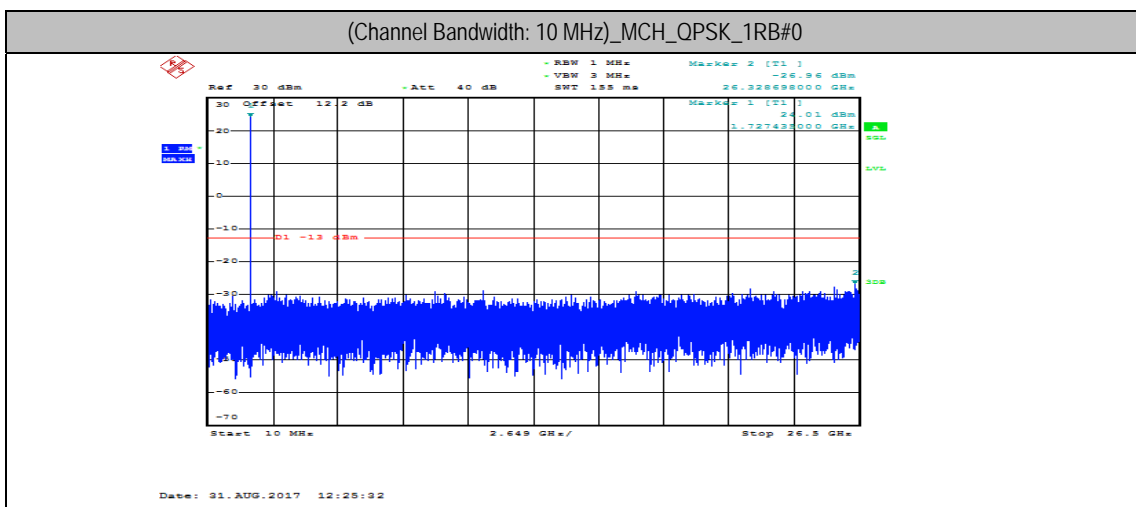
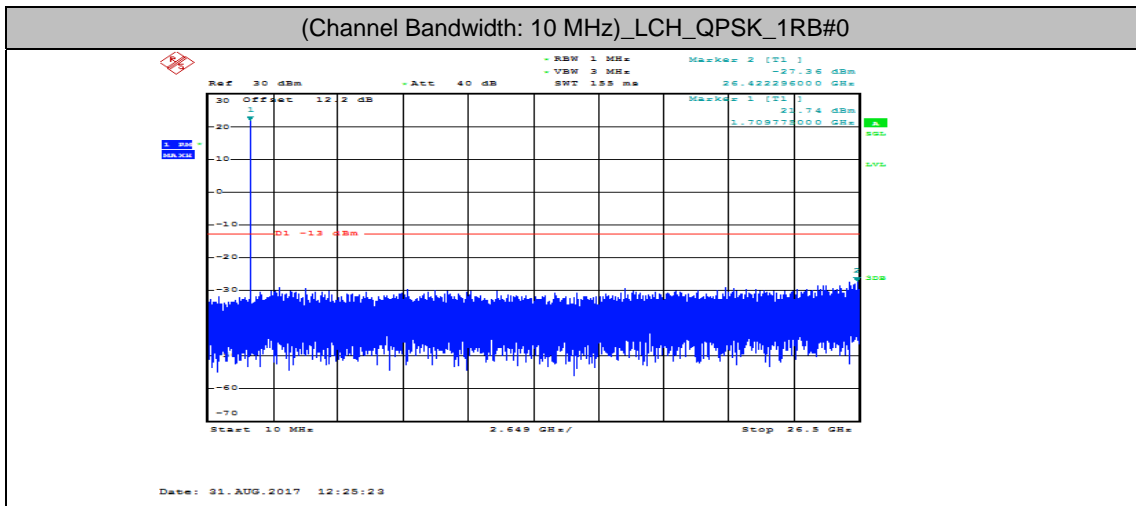


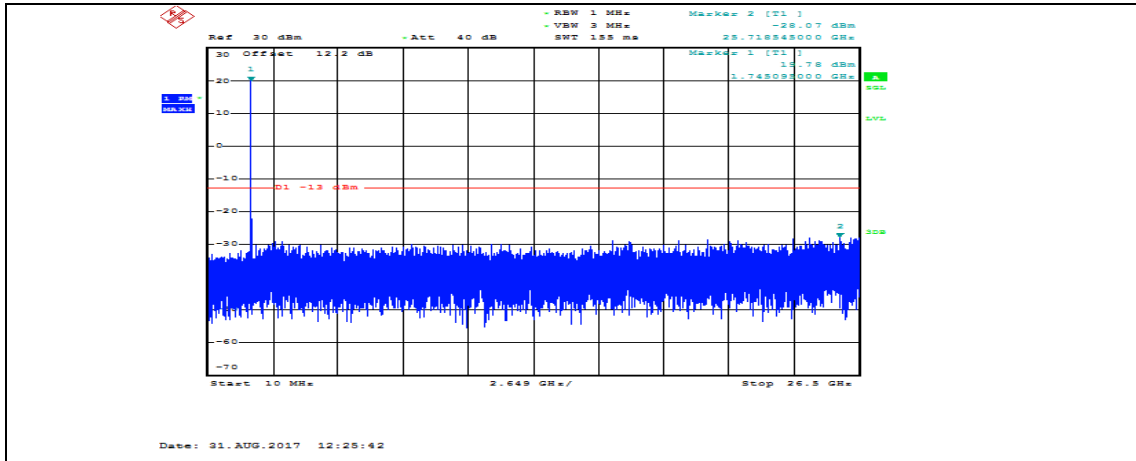
Channel Bandwidth: 5 MHz



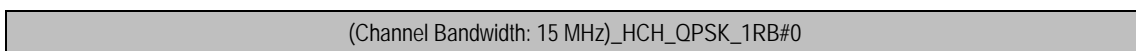
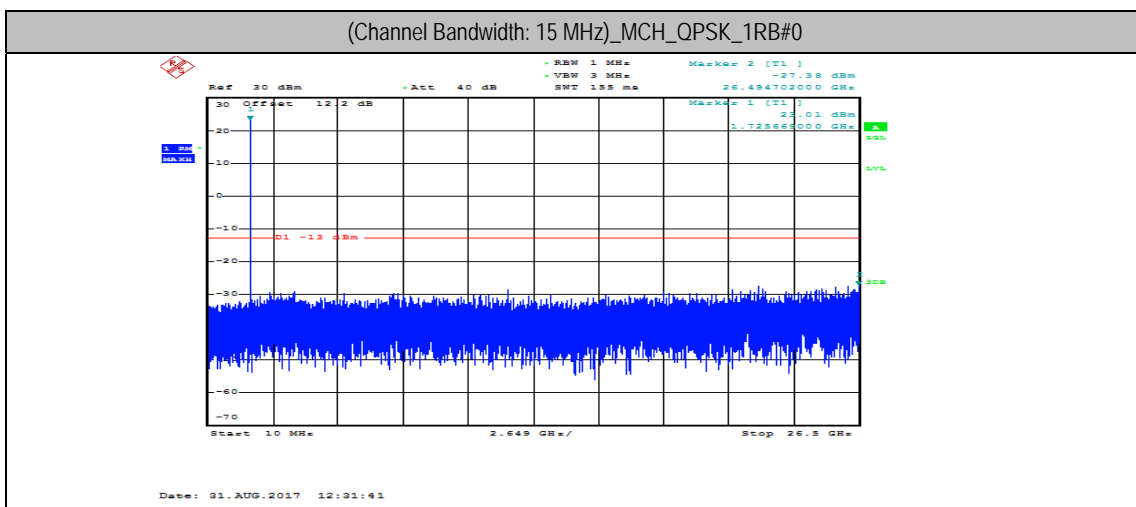
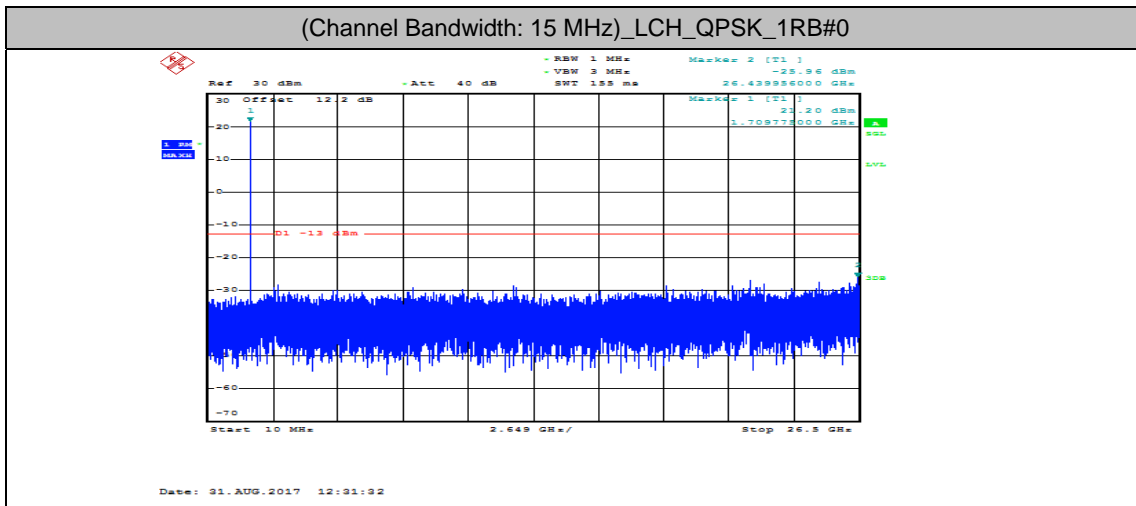


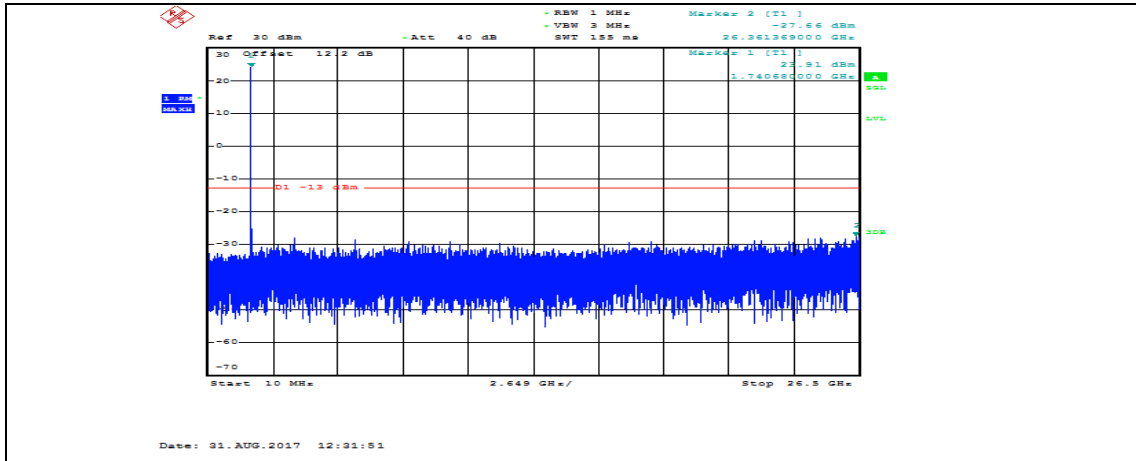
Channel Bandwidth: 10 MHz



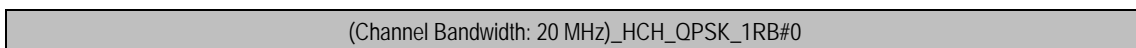
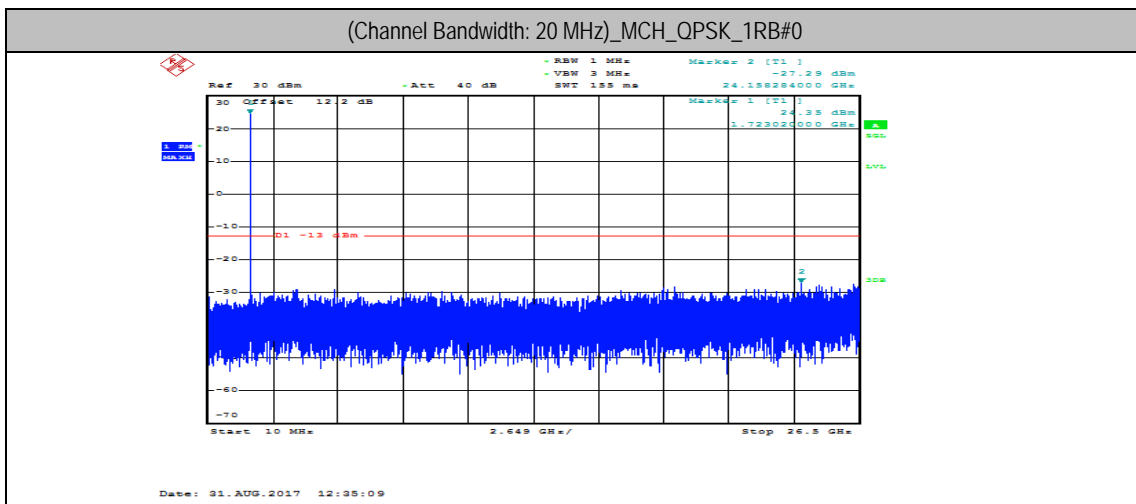
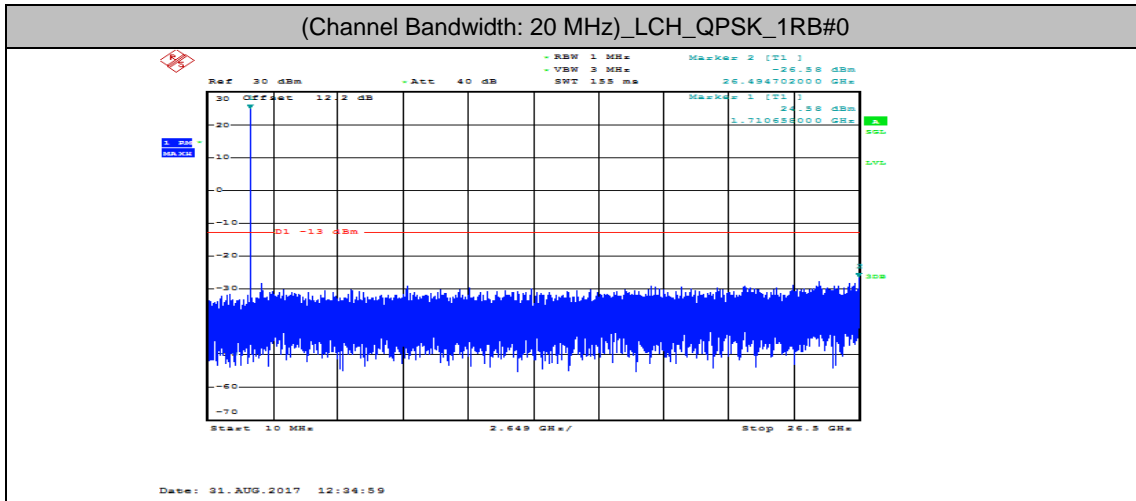


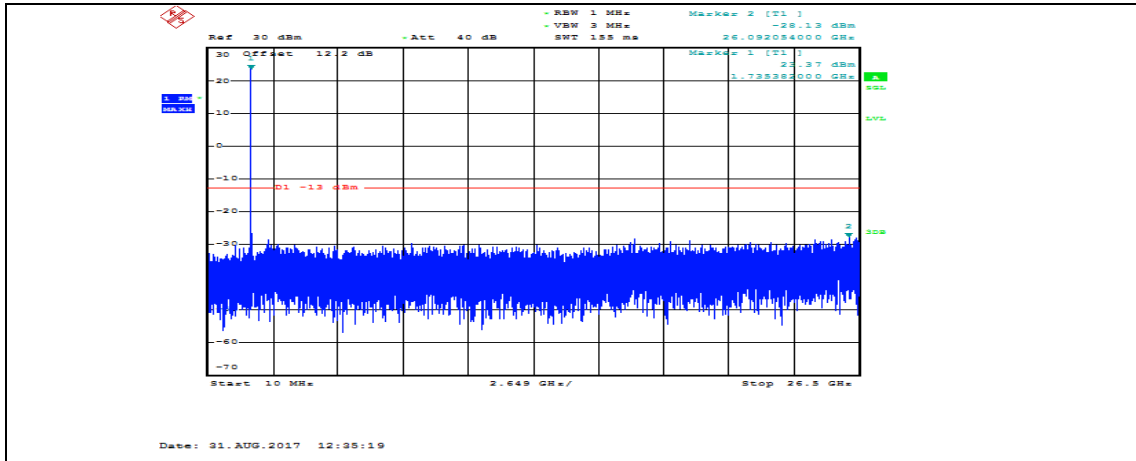
Channel Bandwidth: 15 MHz





Channel Bandwidth: 20 MHz





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	1.57	0.000920	± 2.5	PASS
		VN	TN	2.60	0.001522	± 2.5	PASS
		VH	TN	4.26	0.002492	± 2.5	PASS
	MCH	VL	TN	0.79	0.000454	± 2.5	PASS
		VN	TN	2.60	0.001503	± 2.5	PASS
		VH	TN	2.15	0.001239	± 2.5	PASS
	HCH	VL	TN	-3.78	-0.002153	± 2.5	PASS
		VN	TN	-1.43	-0.000815	± 2.5	PASS
		VH	TN	-4.38	-0.002495	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.68	0.001564	± 2.5	PASS
		VN	-20	2.33	0.001363	± 2.5	PASS
		VN	-10	1.49	0.000870	± 2.5	PASS
		VN	0	2.80	0.001639	± 2.5	PASS
		VN	10	1.66	0.000970	± 2.5	PASS
		VN	20	3.53	0.002065	± 2.5	PASS
		VN	30	2.45	0.001430	± 2.5	PASS
		VN	40	2.25	0.001313	± 2.5	PASS
		VN	50	2.63	0.001539	± 2.5	PASS
	MCH	VN	-30	1.07	0.000619	± 2.5	PASS
		VN	-20	1.22	0.000702	± 2.5	PASS
		VN	-10	2.33	0.001346	± 2.5	PASS



		VN	0	1.24	0.000718	± 2.5	PASS
		VN	10	1.72	0.000991	± 2.5	PASS
		VN	20	2.59	0.001495	± 2.5	PASS
		VN	30	1.76	0.001016	± 2.5	PASS
		VN	40	2.27	0.001313	± 2.5	PASS
		VN	50	0.41	0.000239	± 2.5	PASS
	HCH	VN	-30	-2.15	-0.001223	± 2.5	PASS
		VN	-20	-3.06	-0.001745	± 2.5	PASS
		VN	-10	-4.43	-0.002528	± 2.5	PASS
		VN	0	-2.53	-0.001443	± 2.5	PASS
		VN	10	-4.48	-0.002552	± 2.5	PASS
		VN	20	-1.85	-0.001052	± 2.5	PASS
		VN	30	-2.06	-0.001174	± 2.5	PASS
		VN	40	-2.96	-0.001688	± 2.5	PASS
VN	50	-1.75	-0.000995	± 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	1.27	0.000744	± 2.5	PASS
		VN	TN	0.96	0.000560	± 2.5	PASS
		VH	TN	1.77	0.001036	± 2.5	PASS
	MCH	VL	TN	-0.34	-0.000198	± 2.5	PASS
		VN	TN	-0.11	-0.000066	± 2.5	PASS
		VH	TN	0.80	0.000462	± 2.5	PASS
	HCH	VL	TN	2.17	0.001240	± 2.5	PASS
		VN	TN	2.23	0.001273	± 2.5	PASS
		VH	TN	2.06	0.001175	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.07	0.000627	± 2.5	PASS
		VN	-20	0.82	0.000476	± 2.5	PASS
		VN	-10	0.62	0.000359	± 2.5	PASS
		VN	0	0.62	0.000359	± 2.5	PASS
		VN	10	0.09	0.000050	± 2.5	PASS
		VN	20	0.59	0.000343	± 2.5	PASS
		VN	30	0.07	0.000042	± 2.5	PASS
		VN	40	-0.79	-0.000460	± 2.5	PASS
		VN	50	0.07	0.000042	± 2.5	PASS
	MCH	VN	-30	2.16	0.001247	± 2.5	PASS
		VN	-20	0.87	0.000504	± 2.5	PASS
		VN	-10	1.86	0.001073	± 2.5	PASS
		VN	0	1.26	0.000727	± 2.5	PASS
		VN	10	0.30	0.000173	± 2.5	PASS



		VN	20	0.20	0.000116	± 2.5	PASS
		VN	30	0.43	0.000248	± 2.5	PASS
		VN	40	1.23	0.000710	± 2.5	PASS
		VN	50	0.43	0.000248	± 2.5	PASS
	HCH	VN	-30	0.72	0.000408	± 2.5	PASS
		VN	-20	2.15	0.001224	± 2.5	PASS
		VN	-10	1.82	0.001036	± 2.5	PASS
		VN	0	1.16	0.000661	± 2.5	PASS
		VN	10	3.18	0.001811	± 2.5	PASS
		VN	20	0.90	0.000514	± 2.5	PASS
		VN	30	2.62	0.001493	± 2.5	PASS
		VN	40	0.53	0.000302	± 2.5	PASS
		VN	50	2.62	0.001493	± 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	3.12	0.001821	± 2.5	PASS
		VN	TN	5.05	0.002949	± 2.5	PASS
		VH	TN	3.52	0.002055	± 2.5	PASS
	MCH	VL	TN	0.43	0.000248	± 2.5	PASS
		VN	TN	1.13	0.000652	± 2.5	PASS
		VH	TN	2.29	0.001321	± 2.5	PASS
	HCH	VL	TN	-2.65	-0.001510	± 2.5	PASS
		VN	TN	-1.70	-0.000971	± 2.5	PASS
		VH	TN	-2.16	-0.001233	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.60	0.001520	± 2.5	PASS
		VN	-20	3.33	0.001946	± 2.5	PASS
		VN	-10	1.77	0.001036	± 2.5	PASS
		VN	0	3.65	0.002130	± 2.5	PASS
		VN	10	1.56	0.000911	± 2.5	PASS
		VN	20	3.39	0.001980	± 2.5	PASS
		VN	30	1.20	0.000702	± 2.5	PASS
		VN	40	2.35	0.001370	± 2.5	PASS
		VN	50	2.30	0.001345	± 2.5	PASS
	MCH	VN	-30	-0.49	-0.000281	± 2.5	PASS
		VN	-20	0.92	0.000528	± 2.5	PASS
		VN	-10	1.77	0.001024	± 2.5	PASS
		VN	0	1.72	0.000991	± 2.5	PASS
		VN	10	-0.06	-0.000033	± 2.5	PASS
		VN	20	1.42	0.000817	± 2.5	PASS
		VN	30	1.75	0.001007	± 2.5	PASS



		VN	40	1.70	0.000983	± 2.5	PASS
		VN	50	2.69	0.001552	± 2.5	PASS
	HCH	VN	-30	-1.57	-0.000898	± 2.5	PASS
		VN	-20	-2.93	-0.001673	± 2.5	PASS
		VN	-10	-2.03	-0.001159	± 2.5	PASS
		VN	0	-4.65	-0.002653	± 2.5	PASS
		VN	10	-3.52	-0.002008	± 2.5	PASS
		VN	20	-1.99	-0.001135	± 2.5	PASS
		VN	30	-2.65	-0.001510	± 2.5	PASS
		VN	40	-2.59	-0.001477	± 2.5	PASS
		VN	50	-2.98	-0.001698	± 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	-1.02	-0.000592	± 2.5	PASS
		VN	TN	-2.65	-0.001543	± 2.5	PASS
		VH	TN	-3.43	-0.002002	± 2.5	PASS
	MCH	VL	TN	-2.25	-0.001296	± 2.5	PASS
		VN	TN	1.56	0.000900	± 2.5	PASS
		VH	TN	0.39	0.000223	± 2.5	PASS
	HCH	VL	TN	2.59	0.001480	± 2.5	PASS
		VN	TN	0.74	0.000425	± 2.5	PASS
		VH	TN	1.85	0.001054	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-3.15	-0.001835	± 2.5	PASS
		VN	-20	-3.15	-0.001835	± 2.5	PASS
		VN	-10	-1.82	-0.001059	± 2.5	PASS
		VN	0	-2.15	-0.001251	± 2.5	PASS
		VN	10	-0.93	-0.000542	± 2.5	PASS
		VN	20	-2.23	-0.001301	± 2.5	PASS
		VN	30	-1.19	-0.000692	± 2.5	PASS
		VN	40	-1.92	-0.001118	± 2.5	PASS
		VN	50	-1.32	-0.000767	± 2.5	PASS
	MCH	VN	-30	0.59	0.000339	± 2.5	PASS
		VN	-20	-0.26	-0.000149	± 2.5	PASS
		VN	-10	1.19	0.000685	± 2.5	PASS
		VN	0	0.43	0.000248	± 2.5	PASS
		VN	10	1.53	0.000883	± 2.5	PASS
		VN	20	-0.64	-0.000372	± 2.5	PASS
		VN	30	1.63	0.000941	± 2.5	PASS
		VN	40	0.14	0.000083	± 2.5	PASS
		VN	50	0.63	0.000363	± 2.5	PASS



	HCH	VN	-30	2.15	0.001226	± 2.5	PASS
		VN	-20	0.50	0.000286	± 2.5	PASS
		VN	-10	1.32	0.000752	± 2.5	PASS
		VN	0	1.86	0.001063	± 2.5	PASS
		VN	10	1.93	0.001104	± 2.5	PASS
		VN	20	1.16	0.000662	± 2.5	PASS
		VN	30	0.47	0.000270	± 2.5	PASS
		VN	40	0.51	0.000294	± 2.5	PASS
		VN	50	1.56	0.000891	± 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	-0.92	-0.000533	± 2.5	PASS
		VN	TN	-0.21	-0.000125	± 2.5	PASS
		VH	TN	0.60	0.000350	± 2.5	PASS
	MCH	VL	TN	0.83	0.000479	± 2.5	PASS
		VN	TN	-0.21	-0.000124	± 2.5	PASS
		VH	TN	0.57	0.000330	± 2.5	PASS
	HCH	VL	TN	-0.30	-0.000172	± 2.5	PASS
		VN	TN	-0.64	-0.000368	± 2.5	PASS
		VH	TN	0.90	0.000516	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.49	-0.000283	± 2.5	PASS
		VN	-20	0.27	0.000158	± 2.5	PASS
		VN	-10	-0.97	-0.000566	± 2.5	PASS
		VN	0	-0.47	-0.000275	± 2.5	PASS
		VN	10	-0.97	-0.000566	± 2.5	PASS
		VN	20	-0.93	-0.000541	± 2.5	PASS
		VN	30	0.36	0.000208	± 2.5	PASS
		VN	40	-0.13	-0.000075	± 2.5	PASS
		VN	50	-0.31	-0.000183	± 2.5	PASS
	MCH	VN	-30	-0.79	-0.000454	± 2.5	PASS
		VN	-20	-1.62	-0.000933	± 2.5	PASS
		VN	-10	1.34	0.000776	± 2.5	PASS
		VN	0	0.92	0.000528	± 2.5	PASS
		VN	10	0.70	0.000405	± 2.5	PASS
		VN	20	0.54	0.000314	± 2.5	PASS
		VN	30	1.13	0.000652	± 2.5	PASS
		VN	40	1.46	0.000842	± 2.5	PASS
		VN	50	-0.49	-0.000281	± 2.5	PASS
	HCH	VN	-30	0.31	0.000180	± 2.5	PASS
		VN	-20	0.56	0.000319	± 2.5	PASS



		VN	-10	0.73	0.000417	± 2.5	PASS
		VN	0	0.01	0.000008	± 2.5	PASS
		VN	10	-0.93	-0.000532	± 2.5	PASS
		VN	20	-1.32	-0.000753	± 2.5	PASS
		VN	30	0.01	0.000008	± 2.5	PASS
		VN	40	-0.79	-0.000450	± 2.5	PASS
		VN	50	-0.27	-0.000156	± 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	1.75	0.001015	± 2.5	PASS
		VN	TN	1.40	0.000815	± 2.5	PASS
		VH	TN	1.24	0.000724	± 2.5	PASS
	MCH	VL	TN	0.13	0.000074	± 2.5	PASS
		VN	TN	1.17	0.000677	± 2.5	PASS
		VH	TN	0.44	0.000256	± 2.5	PASS
	HCH	VL	TN	-2.03	-0.001164	± 2.5	PASS
		VN	TN	-3.40	-0.001951	± 2.5	PASS
		VH	TN	-3.12	-0.001787	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.78	0.001613	± 2.5	PASS
		VN	-20	2.43	0.001414	± 2.5	PASS
		VN	-10	2.09	0.001214	± 2.5	PASS
		VN	0	2.27	0.001322	± 2.5	PASS
		VN	10	1.57	0.000915	± 2.5	PASS
		VN	20	1.56	0.000907	± 2.5	PASS
		VN	30	2.09	0.001214	± 2.5	PASS
		VN	40	2.33	0.001356	± 2.5	PASS
		VN	50	1.82	0.001056	± 2.5	PASS
	MCH	VN	-30	1.12	0.000644	± 2.5	PASS
		VN	-20	-0.17	-0.000099	± 2.5	PASS
		VN	-10	1.30	0.000751	± 2.5	PASS
		VN	0	1.17	0.000677	± 2.5	PASS
		VN	10	-0.04	-0.000025	± 2.5	PASS
		VN	20	0.86	0.000495	± 2.5	PASS
		VN	30	-0.70	-0.000405	± 2.5	PASS
		VN	40	1.76	0.001016	± 2.5	PASS
		VN	50	0.89	0.000512	± 2.5	PASS
	HCH	VN	-30	-3.66	-0.002099	± 2.5	PASS
		VN	-20	-3.35	-0.001918	± 2.5	PASS
		VN	-10	-3.16	-0.001812	± 2.5	PASS
		VN	0	-2.68	-0.001533	± 2.5	PASS



		VN	10	-3.06	-0.001754	± 2.5	PASS
		VN	20	-2.59	-0.001484	± 2.5	PASS
		VN	30	-3.50	-0.002008	± 2.5	PASS
		VN	40	-3.53	-0.002025	± 2.5	PASS
		VN	50	-3.73	-0.002140	± 2.5	PASS