



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	23.21	PASS
		1	5	23.1	PASS
		3	0	23.26	PASS
		3	1	23.3	PASS
		3	3	23.18	PASS
		6	0	22.14	PASS
	MCH	1	0	23.08	PASS
		1	2	23.12	PASS
		1	5	23.16	PASS
		3	0	23.15	PASS
		3	1	23.3	PASS
		3	3	23.25	PASS
		6	0	22.14	PASS
	HCH	1	0	23.13	PASS
		1	2	23.06	PASS
		1	5	23.07	PASS
		3	0	23.11	PASS
		3	1	23.34	PASS
		3	3	23.16	PASS
		6	0	22.18	PASS
16QAM	LCH	1	0	22.61	PASS
		1	2	22.73	PASS
		1	5	22.74	PASS
		3	0	22.2	PASS
		3	1	22.34	PASS
		3	3	22.24	PASS
		6	0	21.31	PASS
	MCH	1	0	22.48	PASS
		1	2	22.79	PASS
		1	5	22.65	PASS
		3	0	22.09	PASS
		3	1	22.22	PASS



		3	3	22.18	PASS
		6	0	21.27	PASS
	HCH	1	0	22.67	PASS
		1	2	22.65	PASS
		1	5	22.65	PASS
		3	0	22.18	PASS
		3	1	22.11	PASS
		3	3	22.13	PASS
		6	0	21.24	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB		Average Power [dBm]	Verdict
		Configuration			
		Size	Offset		
QPSK	LCH	1	0	23.34	PASS
		1	7	23.06	PASS
		1	14	23.17	PASS
		8	0	22.45	PASS
		8	3	22.36	PASS
		8	7	22.31	PASS
		15	0	22.43	PASS
	MCH	1	0	23.37	PASS
		1	7	23.08	PASS
		1	14	23.01	PASS
		8	0	22.35	PASS
		8	3	22.29	PASS
		8	7	22.27	PASS
		15	0	22.31	PASS
	HCH	1	0	23.27	PASS
		1	7	23.32	PASS
		1	14	23.09	PASS
		8	0	22.29	PASS
		8	3	22.2	PASS
		8	7	22.24	PASS
		15	0	22.31	PASS
16QAM	LCH	1	0	22.73	PASS
		1	7	22.49	PASS
		1	14	22.62	PASS
		8	0	21.33	PASS
		8	3	21.38	PASS



		8	7	21.42	PASS
		15	0	21.43	PASS
	MCH	1	0	22.73	PASS
		1	7	22.5	PASS
		1	14	22.58	PASS
		8	0	21.4	PASS
		8	3	21.24	PASS
		8	7	21.26	PASS
		15	0	21.34	PASS
	HCH	1	0	22.43	PASS
		1	7	22.41	PASS
		1	14	22.58	PASS
		8	0	21.33	PASS
		8	3	21.23	PASS
		8	7	21.13	PASS
15		0	21.23	PASS	

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.33	PASS
		1	12	23.29	PASS
		1	24	23.38	PASS
		12	0	22.3	PASS
		12	6	22.29	PASS
		12	13	22.18	PASS
		25	0	22.25	PASS
	MCH	1	0	23.27	PASS
		1	12	23.22	PASS
		1	24	23.2	PASS
		12	0	22.24	PASS
		12	6	22.23	PASS
		12	13	22.11	PASS
		25	0	22.17	PASS
	HCH	1	0	23.19	PASS
		1	12	23.26	PASS
		1	24	23.25	PASS
		12	0	22.16	PASS
		12	6	22.28	PASS
		12	13	22.16	PASS



		25	0	22.21	PASS
16QAM	LCH	1	0	22.72	PASS
		1	12	22.52	PASS
		1	24	22.71	PASS
		12	0	21.44	PASS
		12	6	21.33	PASS
		12	13	21.32	PASS
		25	0	21.34	PASS
	MCH	1	0	22.68	PASS
		1	12	22.7	PASS
		1	24	22.52	PASS
		12	0	21.23	PASS
		12	6	21.22	PASS
		12	13	21.21	PASS
		25	0	21.15	PASS
	HCH	1	0	22.62	PASS
		1	12	22.61	PASS
		1	24	22.52	PASS
		12	0	21.2	PASS
		12	6	21.23	PASS
		12	13	21.16	PASS
		25	0	21.2	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.3	PASS
		1	24	23.35	PASS
		1	49	23.3	PASS
		25	0	22.44	PASS
		25	12	22.31	PASS
		25	25	22.33	PASS
		50	0	22.28	PASS
	MCH	1	0	23.36	PASS
		1	24	23.32	PASS
		1	49	23.29	PASS
		25	0	22.26	PASS
		25	12	22.25	PASS
		25	25	22.26	PASS
		50	0	22.22	PASS



	HCH	1	0	23.31	PASS
		1	24	23.21	PASS
		1	49	23.28	PASS
		25	0	22.21	PASS
		25	12	22.22	PASS
		25	25	22.27	PASS
		50	0	22.29	PASS
16QAM	LCH	1	0	22.62	PASS
		1	24	22.57	PASS
		1	49	22.67	PASS
		25	0	21.2	PASS
		25	12	21.35	PASS
		25	25	21.25	PASS
		50	0	21.34	PASS
	MCH	1	0	22.69	PASS
		1	24	22.48	PASS
		1	49	22.6	PASS
		25	0	21.23	PASS
		25	12	21.22	PASS
		25	25	21.24	PASS
		50	0	21.21	PASS
	HCH	1	0	22.62	PASS
		1	24	22.45	PASS
		1	49	22.49	PASS
		25	0	21.17	PASS
		25	12	21.21	PASS
		25	25	21.13	PASS
		50	0	21.18	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.34	PASS
		1	37	23.32	PASS
		1	74	23.31	PASS
		36	0	22.43	PASS
		36	19	22.35	PASS
		36	39	22.36	PASS
		75	0	22.37	PASS
	MCH	1	0	23.35	PASS



		1	37	23.2	PASS
		1	74	23.21	PASS
		36	0	22.29	PASS
		36	19	22.25	PASS
		36	39	22.22	PASS
		75	0	22.25	PASS
		75	0	22.25	PASS
	HCH	1	0	23.28	PASS
		1	37	23.05	PASS
		1	74	23.2	PASS
		36	0	22.29	PASS
		36	19	22.2	PASS
		36	39	22.21	PASS
		75	0	22.2	PASS
16QAM	LCH	1	0	22.66	PASS
		1	37	22.44	PASS
		1	74	22.56	PASS
		36	0	21.41	PASS
		36	19	21.42	PASS
		36	39	21.31	PASS
		75	0	21.34	PASS
		75	0	21.34	PASS
	MCH	1	0	22.59	PASS
		1	37	22.42	PASS
		1	74	22.46	PASS
		36	0	21.27	PASS
		36	19	21.25	PASS
		36	39	21.21	PASS
		75	0	21.27	PASS
		75	0	21.27	PASS
	HCH	1	0	22.49	PASS
		1	37	22.36	PASS
		1	74	22.37	PASS
		36	0	21.23	PASS
		36	19	21.2	PASS
		36	39	21.16	PASS
		75	0	21.2	PASS
		75	0	21.2	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.28	PASS
		1	49	23.4	PASS



		1	99	23.21	PASS	
		50	0	22.24	PASS	
		50	25	22.36	PASS	
		50	50	22.28	PASS	
		100	0	22.35	PASS	
	MCH	1	0	23.19	PASS	
		1	49	23.33	PASS	
		1	99	23.22	PASS	
		50	0	22.23	PASS	
		50	25	22.28	PASS	
		50	50	22.28	PASS	
		100	0	22.27	PASS	
	HCH	1	0	23.11	PASS	
		1	49	23.31	PASS	
		1	99	23.21	PASS	
		50	0	22.22	PASS	
		50	25	22.22	PASS	
		50	50	22.16	PASS	
		100	0	22.19	PASS	
	16QAM	LCH	1	0	22.74	PASS
			1	49	22.87	PASS
1			99	22.67	PASS	
50			0	21.42	PASS	
50			25	21.47	PASS	
50			50	21.4	PASS	
100			0	21.36	PASS	
MCH		1	0	22.31	PASS	
		1	49	22.84	PASS	
		1	99	22.48	PASS	
		50	0	21.32	PASS	
		50	25	21.39	PASS	
		50	50	21.37	PASS	
		100	0	21.16	PASS	
HCH		1	0	22.66	PASS	
		1	49	22.74	PASS	
		1	99	22.61	PASS	
		50	0	21.3	PASS	
		50	25	21.34	PASS	
		50	50	21.27	PASS	
		100	0	21.33	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	4.44	<13	PASS
16QAM	MCH	1	0	5.13	<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	4.31	<13	PASS
16QAM	MCH	1	0	5.08	<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	4.27	<13	PASS
16QAM	MCH	1	0	5.11	<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	4.14	<13	PASS
16QAM	MCH	1	0	5.11	<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	4.18	<13	PASS
16QAM	MCH	1	0	4.9	<13	PASS

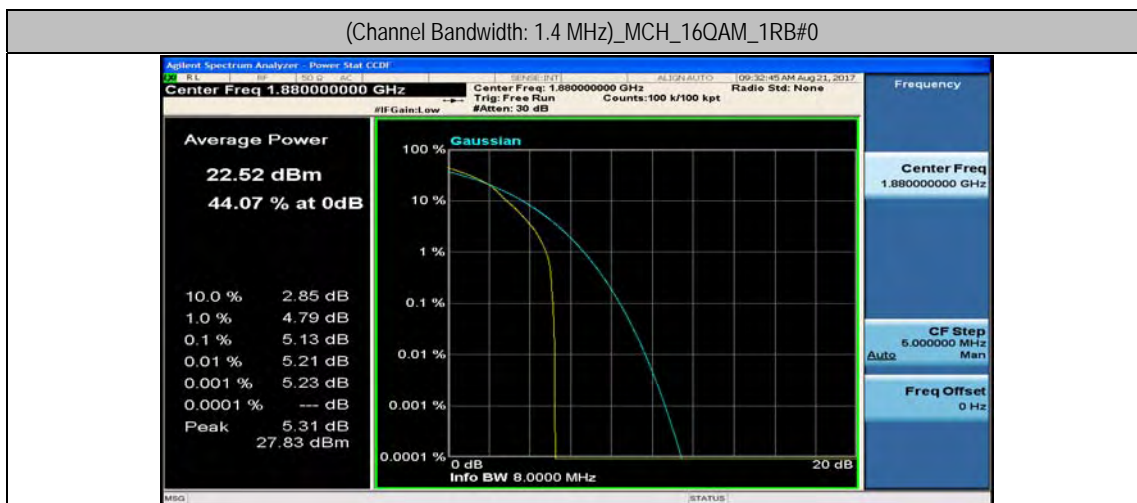
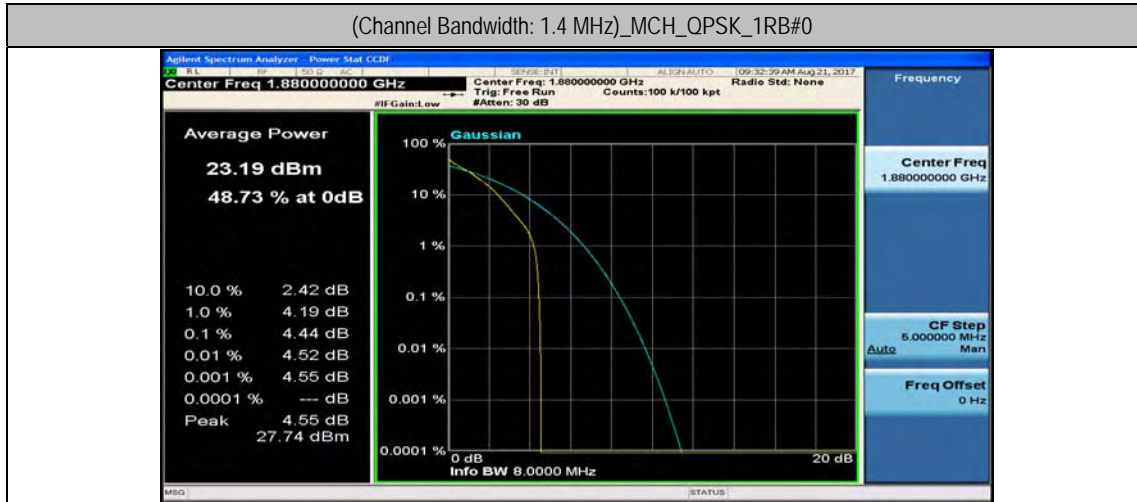
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.16	<13	PASS
16QAM	MCH	1	0	4.77	<13	PASS

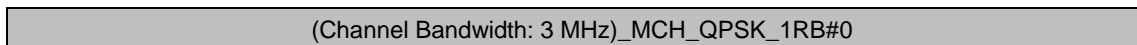


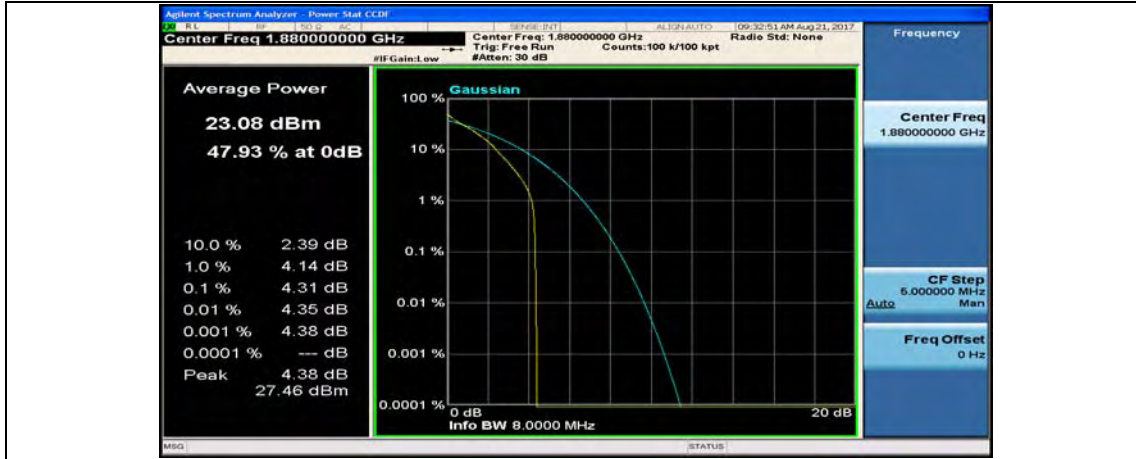
Test Graphs

Channel Bandwidth: 1.4 MHz



Channel Bandwidth: 3 MHz



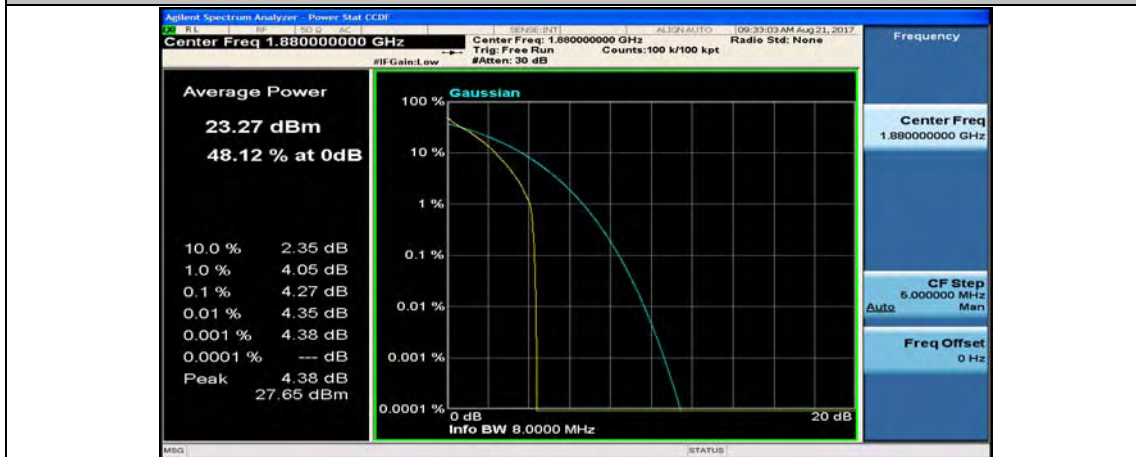


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



Channel Bandwidth: 5 MHz

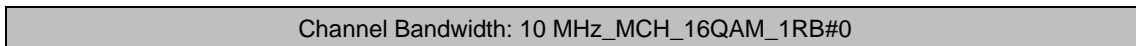
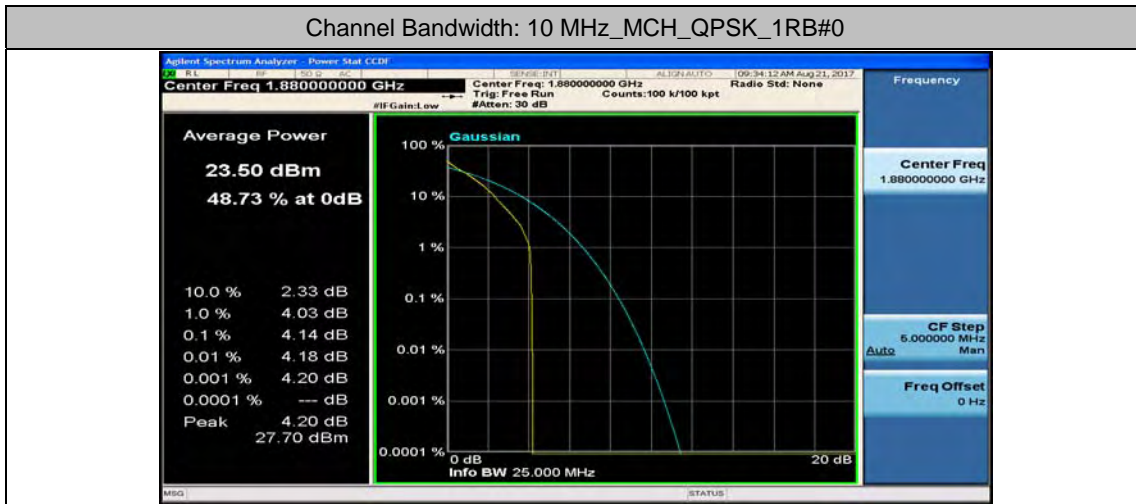
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

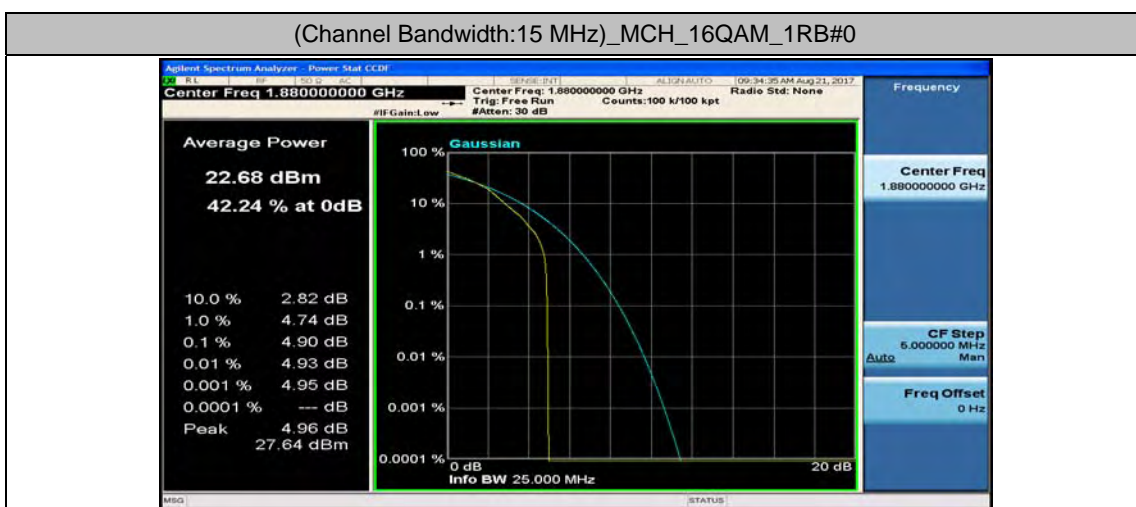
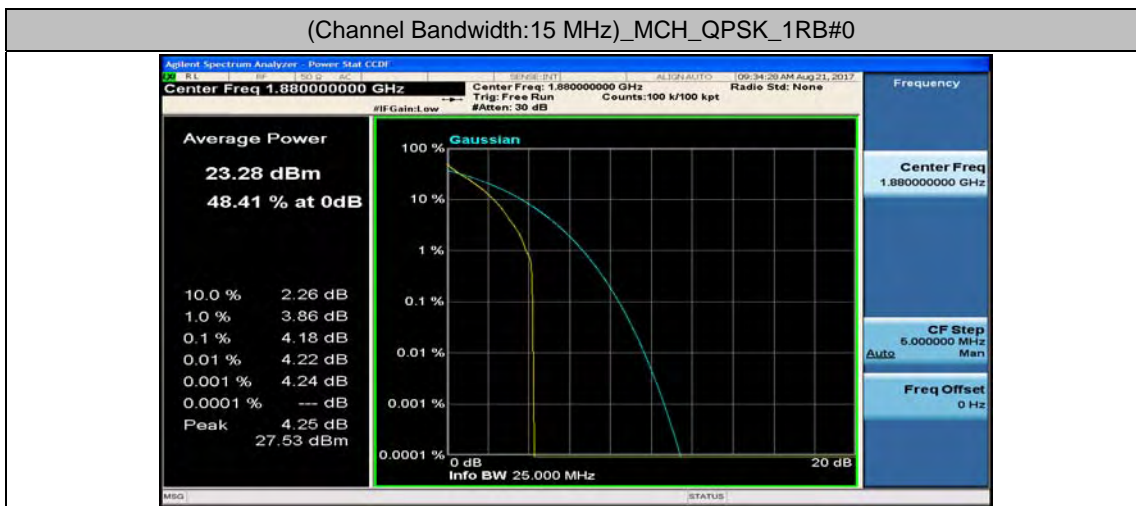


Channel Bandwidth: 10 MHz





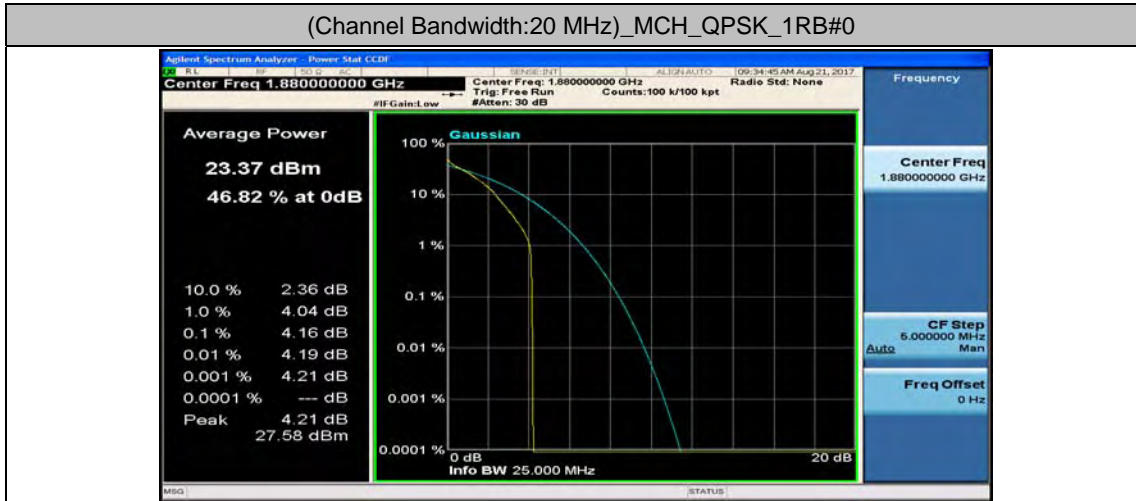
Channel Bandwidth: 15 MHz



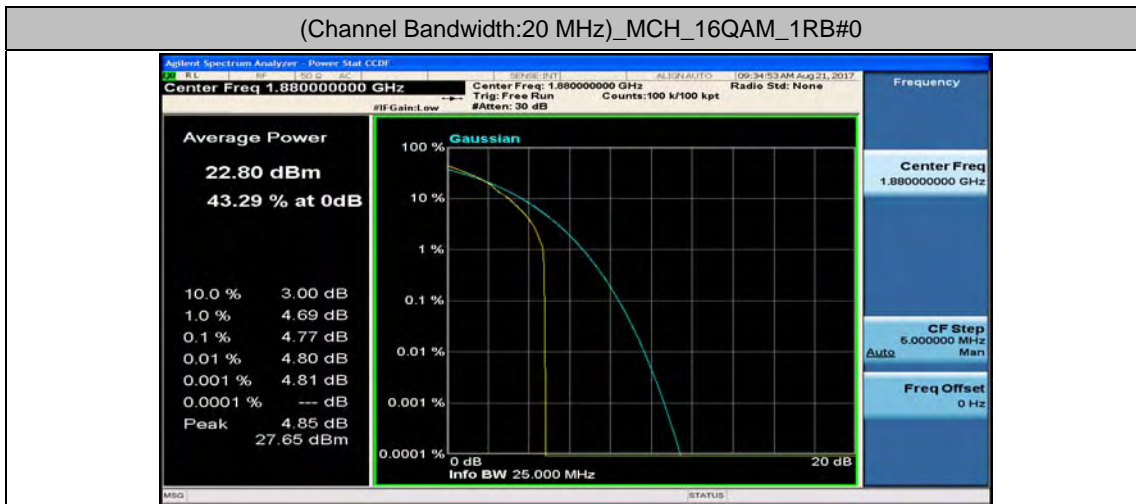
Channel Bandwidth: 20 MHz



(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	1.194	PASS
	MCH	6	0	1.077	1.180	PASS
	HCH	6	0	1.077	1.207	PASS
16QAM	LCH	6	0	1.077	1.180	PASS
	MCH	6	0	1.077	1.194	PASS
	HCH	6	0	1.077	1.198	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	2.875	PASS
	MCH	15	0	2.683	2.865	PASS
	HCH	15	0	2.692	2.885	PASS
16QAM	LCH	15	0	2.692	2.856	PASS
	MCH	15	0	2.692	2.846	PASS
	HCH	15	0	2.683	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	4.471	4.728	PASS
	MCH	25	0	4.471	4.696	PASS
	HCH	25	0	4.471	4.696	PASS



16QAM	LCH	25	0	4.487	4.744	PASS
	MCH	25	0	4.487	4.712	PASS
	HCH	25	0	4.471	4.760	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	8.942	9.327	PASS
	MCH	50	0	8.942	9.295	PASS
	HCH	50	0	8.910	9.295	PASS
16QAM	LCH	50	0	8.942	9.327	PASS
	MCH	50	0	8.942	9.295	PASS
	HCH	50	0	8.974	9.327	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	13.462	14.231	PASS
	HCH	75	0	13.413	14.231	PASS
16QAM	LCH	75	0	13.413	14.183	PASS
	MCH	75	0	13.413	14.183	PASS
	HCH	75	0	13.413	14.231	PASS

Channel Bandwidth: 20 MHz

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

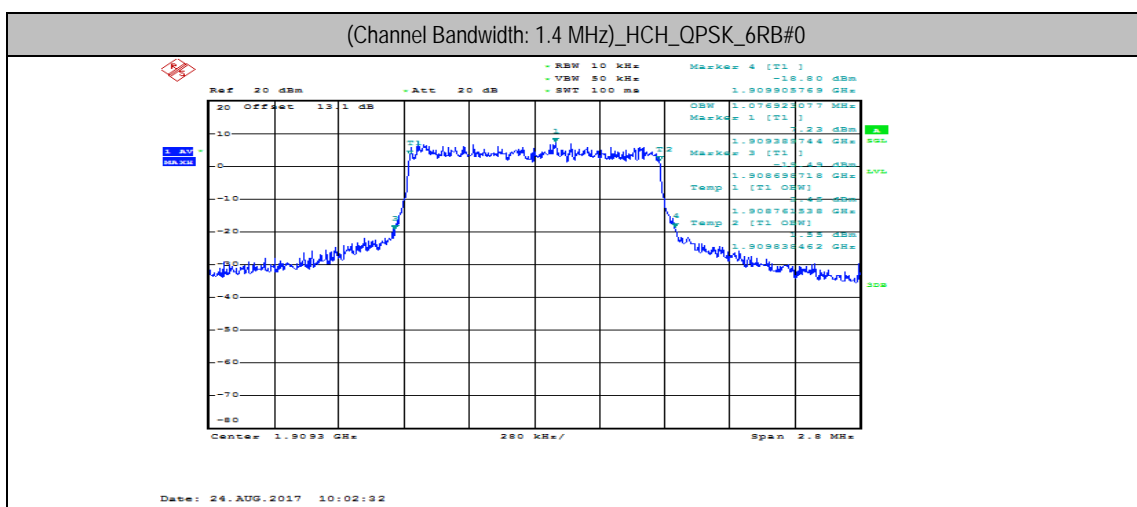
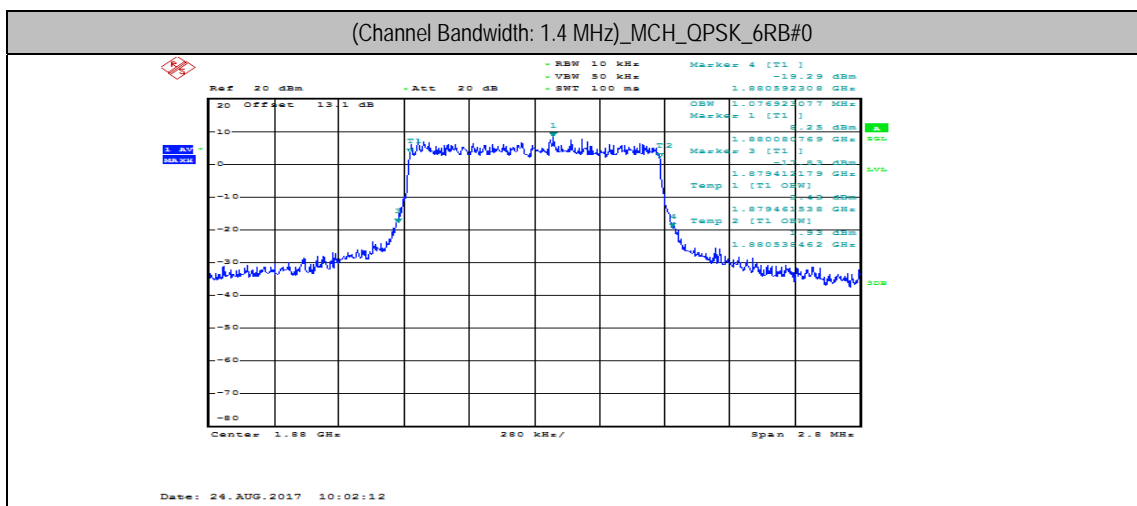
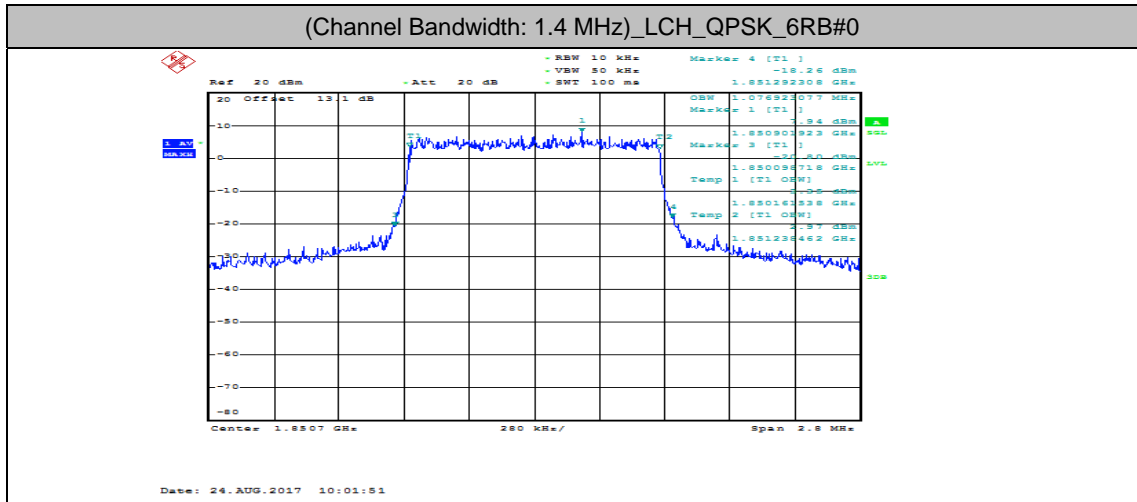


QPSK	LCH	100	0	17.885	18.718	PASS
	MCH	100	0	17.885	18.782	PASS
	HCH	100	0	17.885	18.782	PASS
16QAM	LCH	100	0	17.885	18.782	PASS
	MCH	100	0	17.885	18.782	PASS
	HCH	100	0	17.885	18.718	PASS



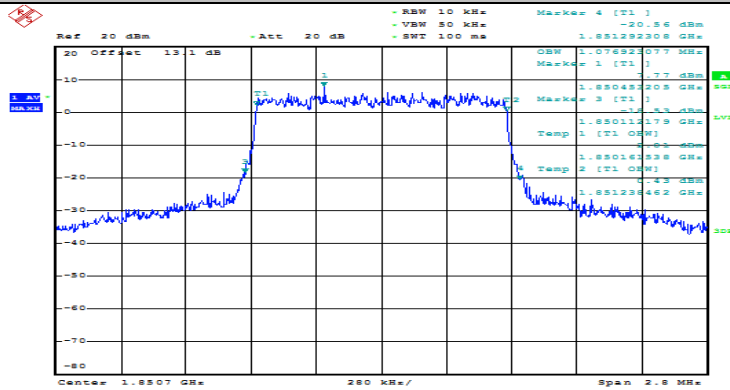
Test Graphs

Channel Bandwidth: 1.4 MHz



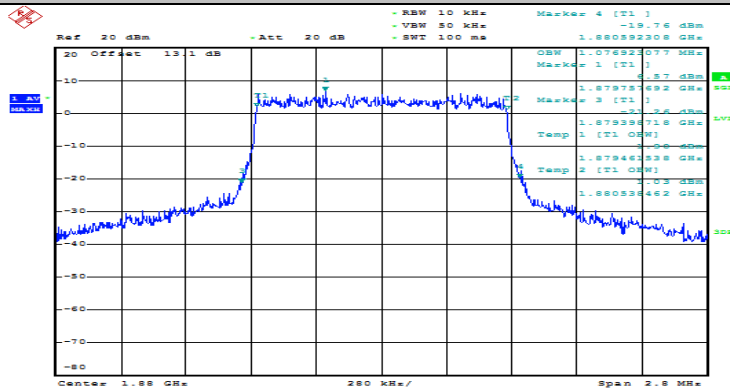


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



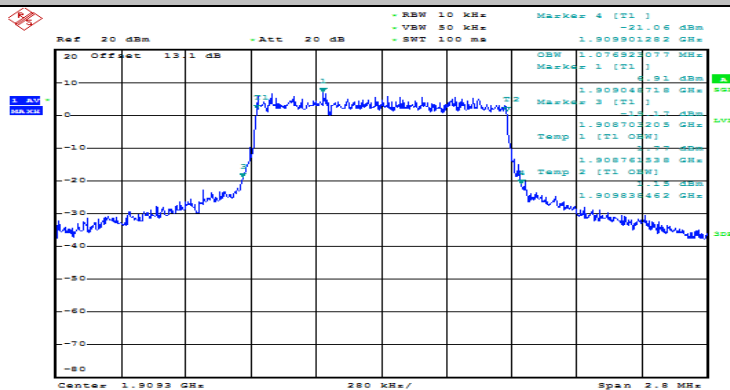
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



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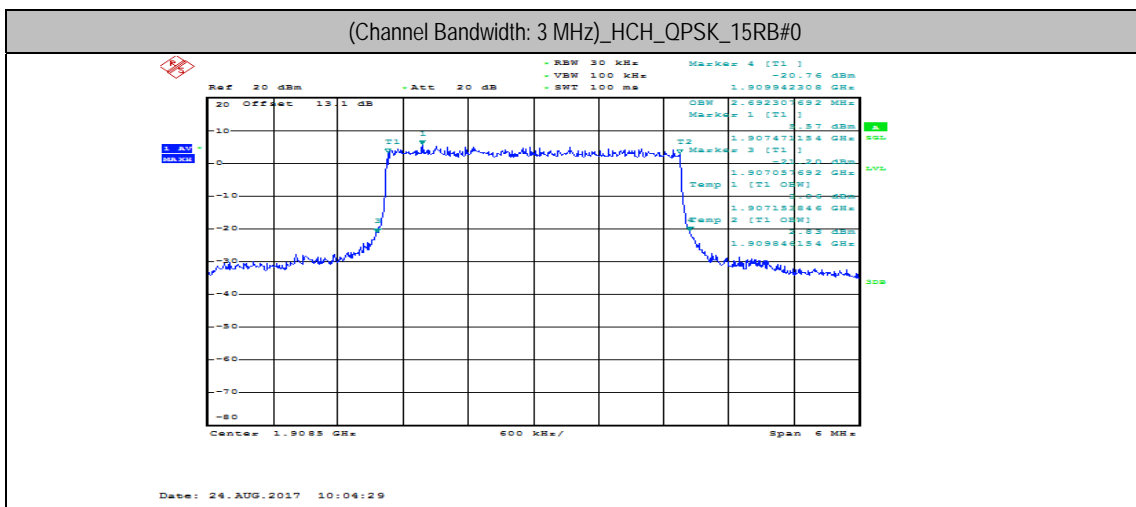
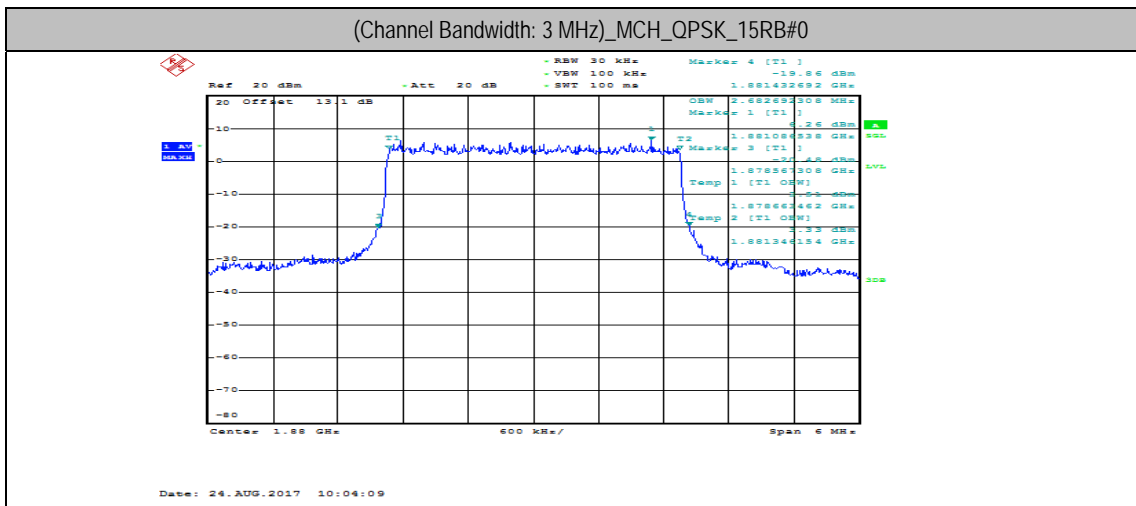
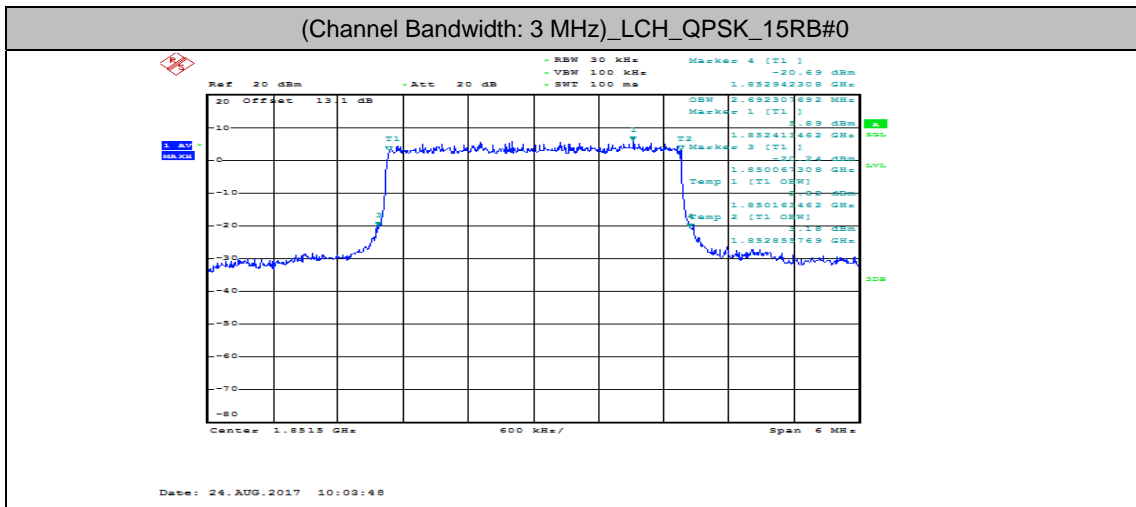
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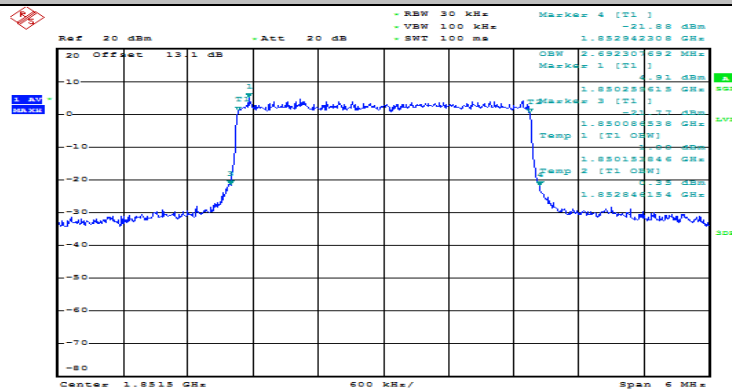


Channel Bandwidth: 3 MHz



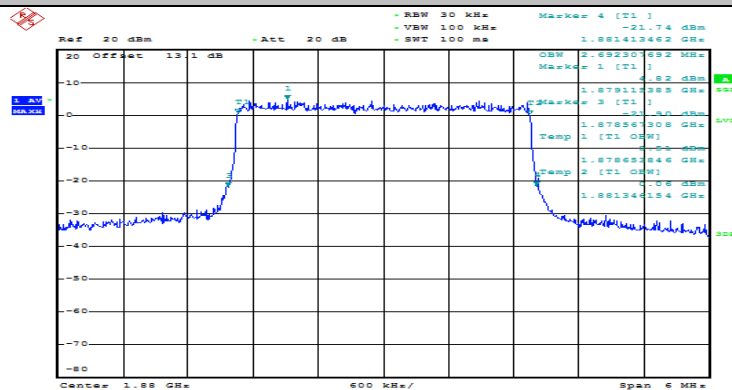


(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



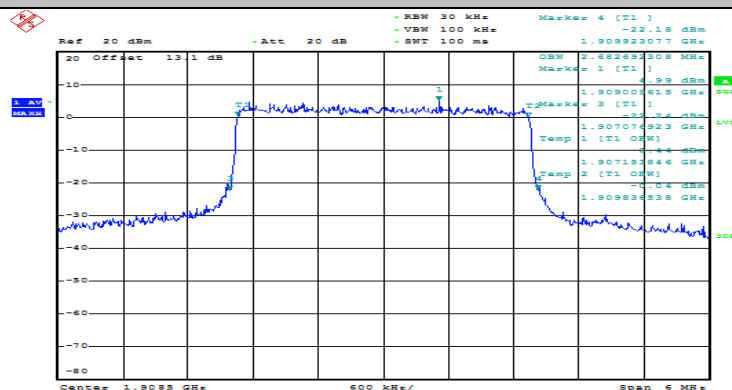
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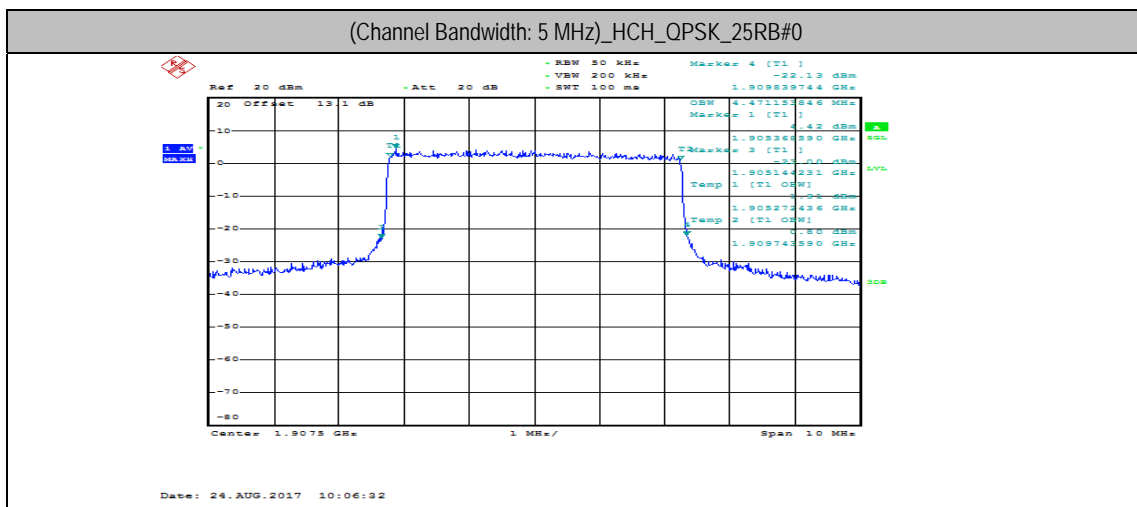
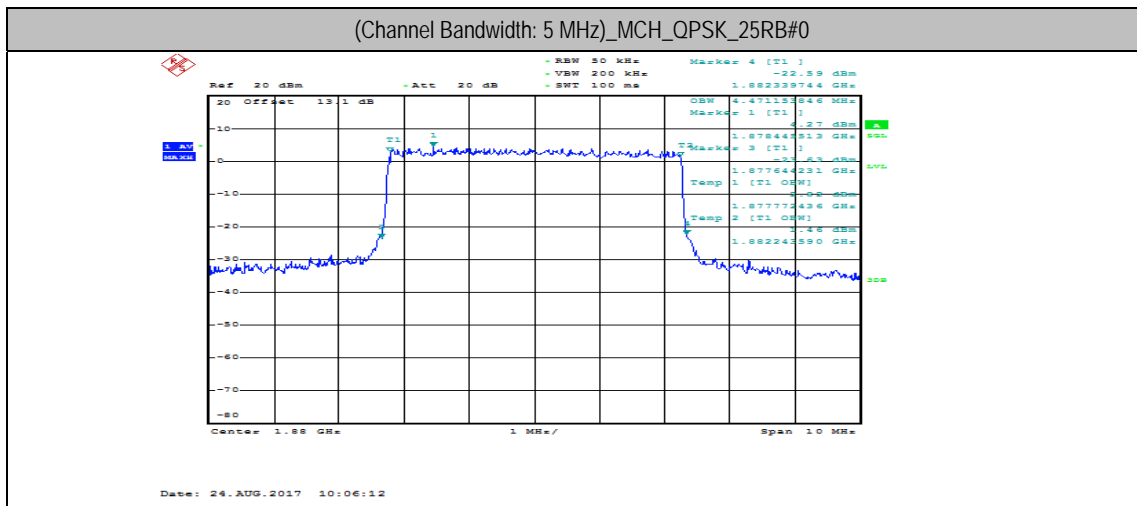
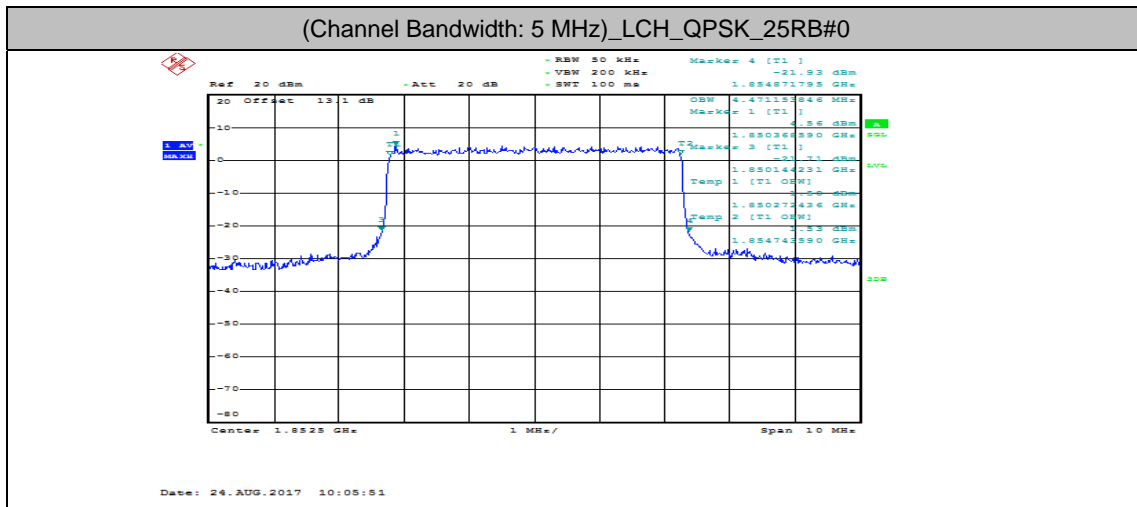
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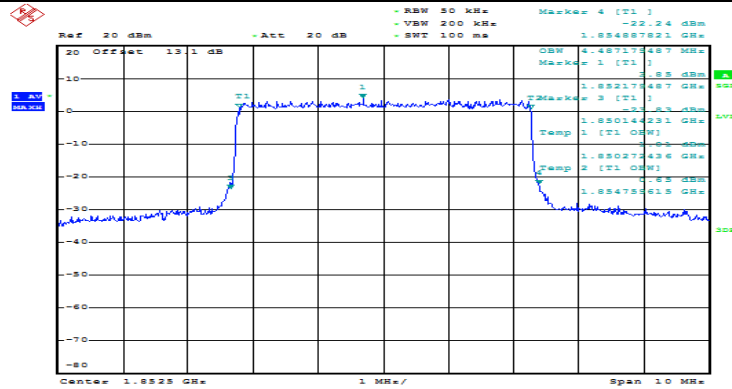


Channel Bandwidth: 5 MHz



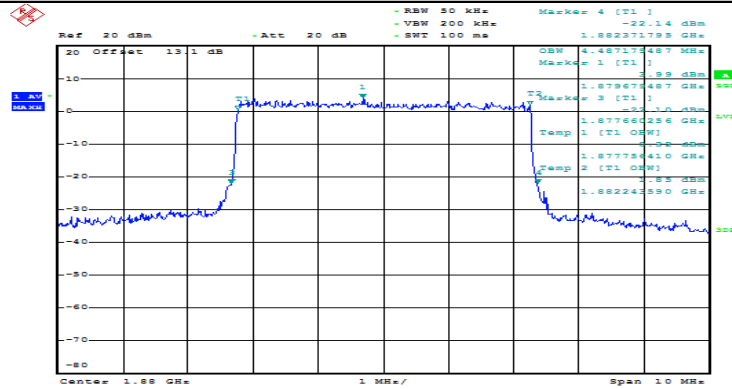


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



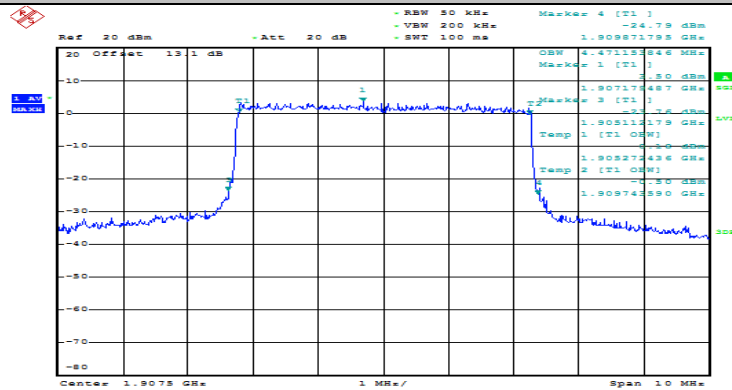
Date: 24.AUG.2017 10:06:02

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



Date: 24.AUG.2017 10:06:22

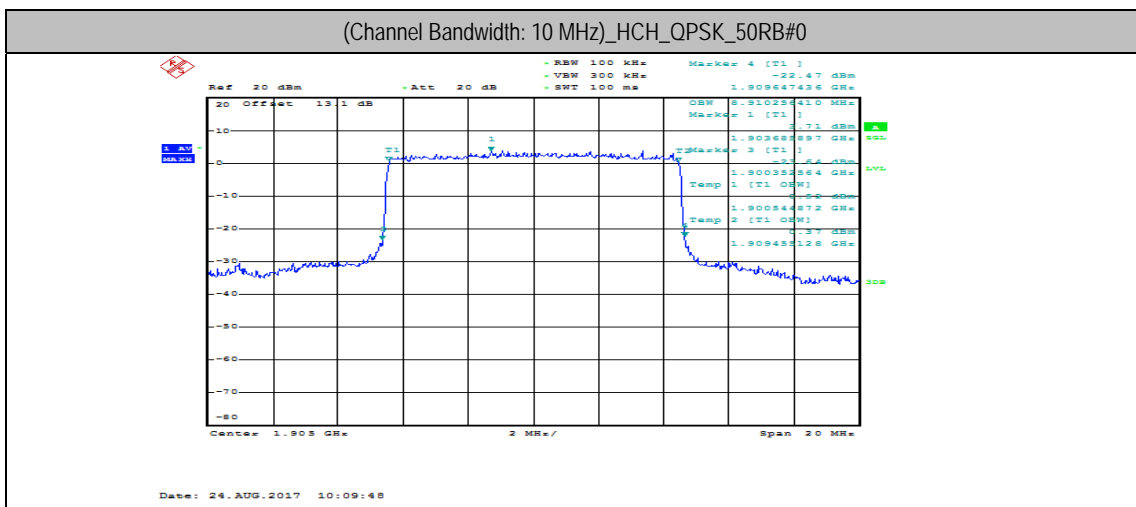
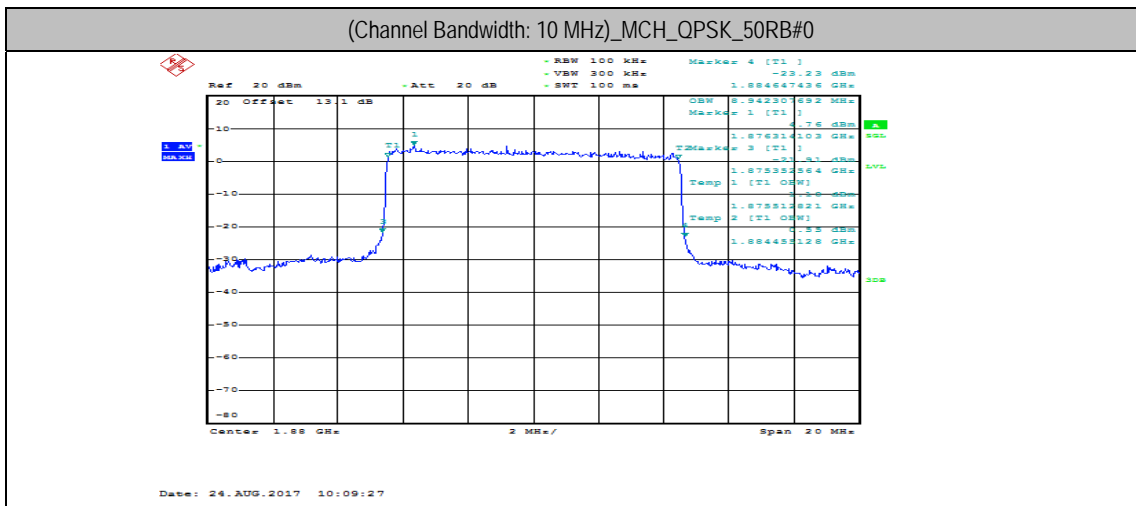
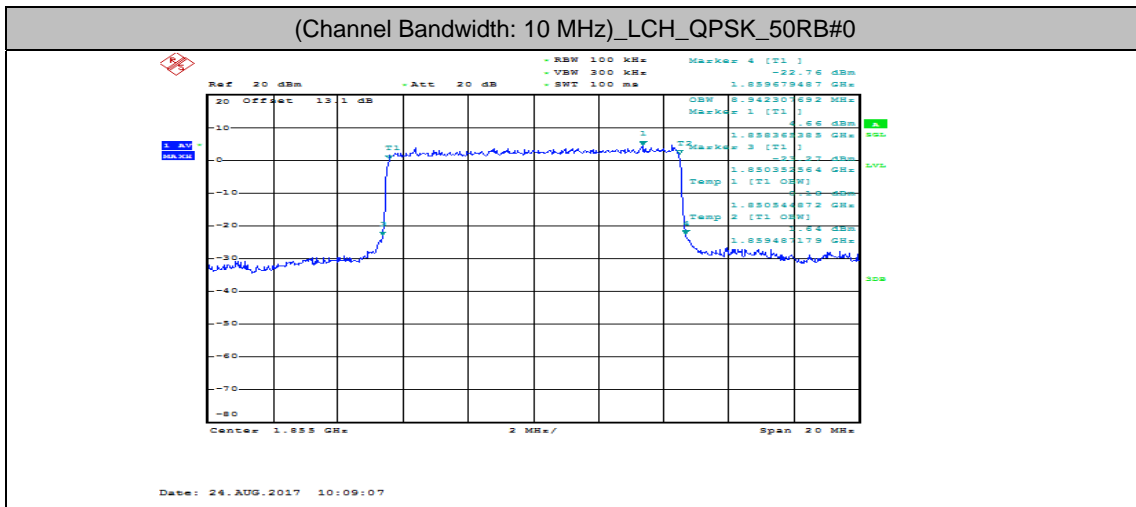
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Date: 24.AUG.2017 10:06:42

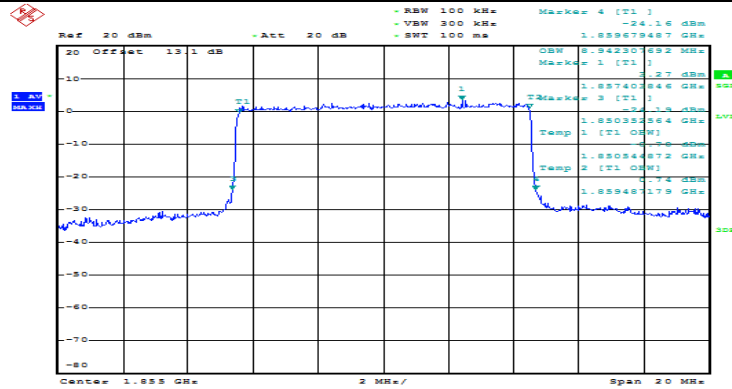


Channel Bandwidth: 10 MHz



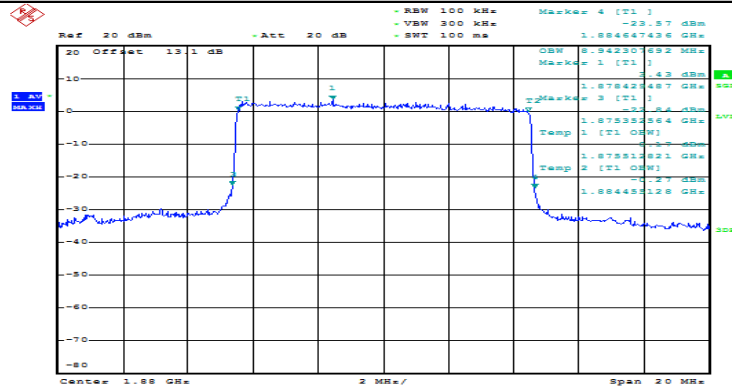


(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



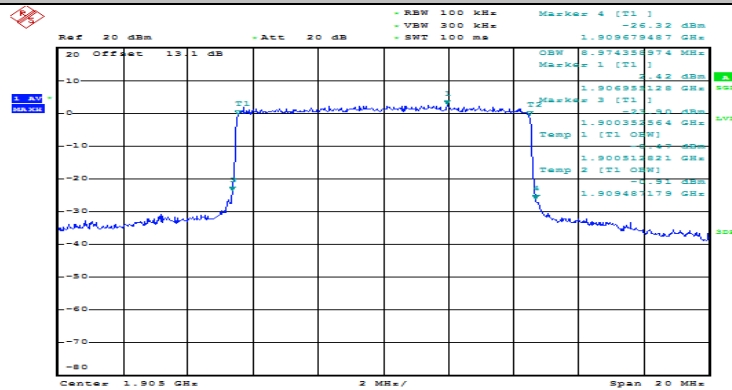
Date: 24.AUG.2017 10:09:17

(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



Date: 24.AUG.2017 10:09:27

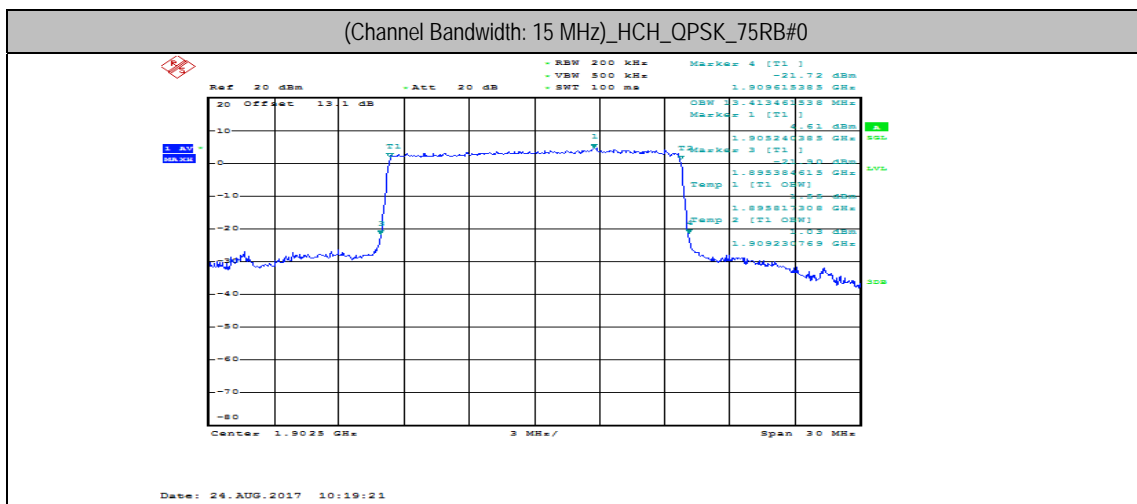
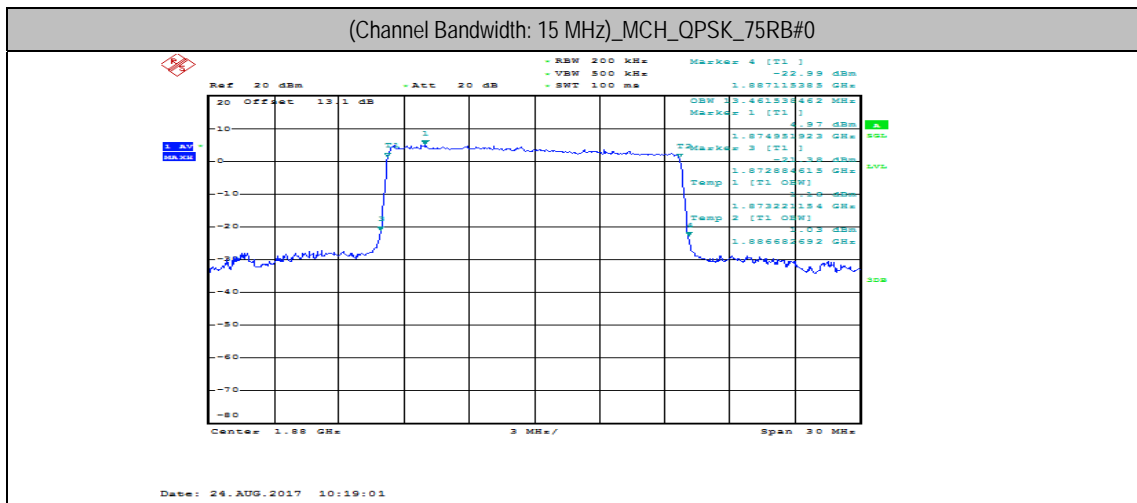
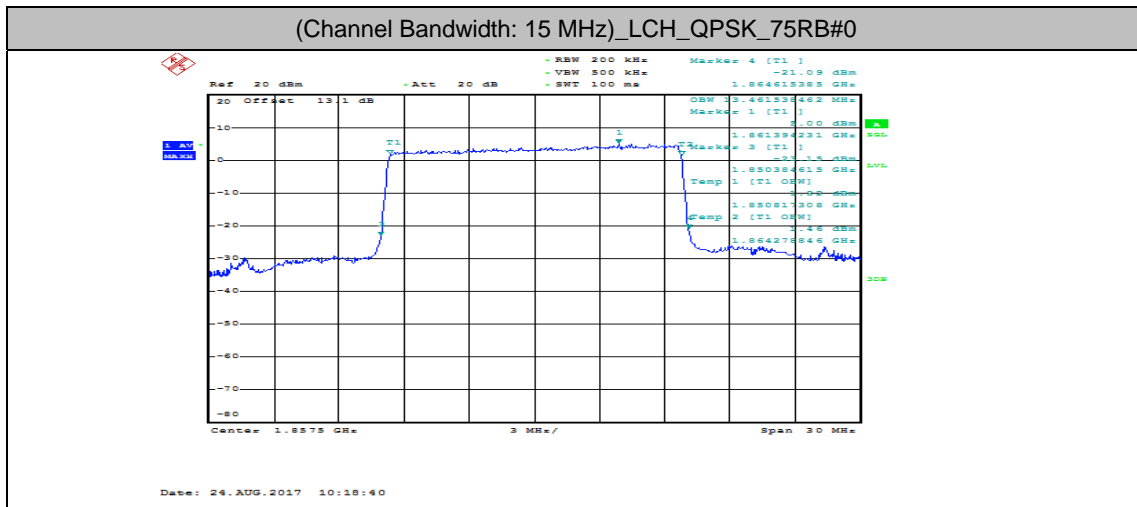
(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



Date: 24.AUG.2017 10:09:58

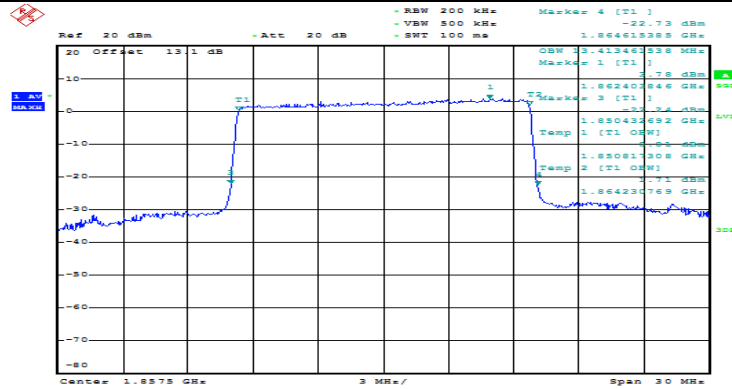


Channel Bandwidth: 15 MHz



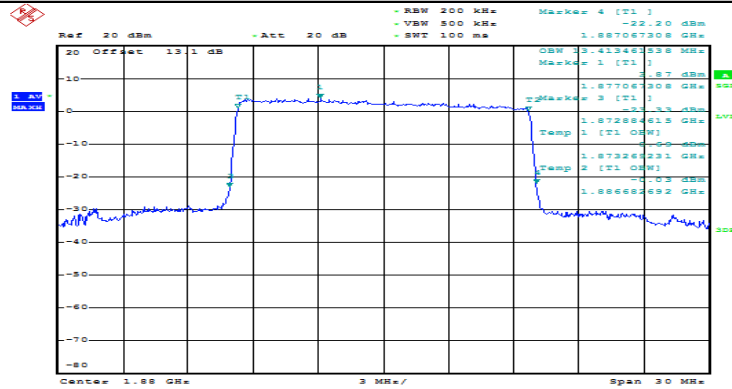


(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0



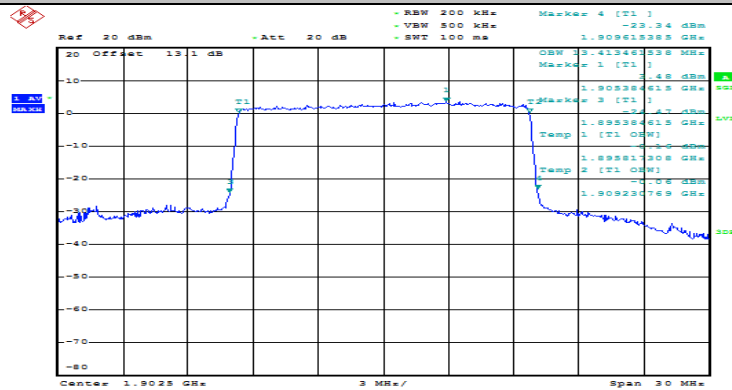
Date: 24.AUG.2017 10:18:50

(Channel Bandwidth: 15 MHz)_MCH_16QAM_75RB#0



Date: 24.AUG.2017 10:19:11

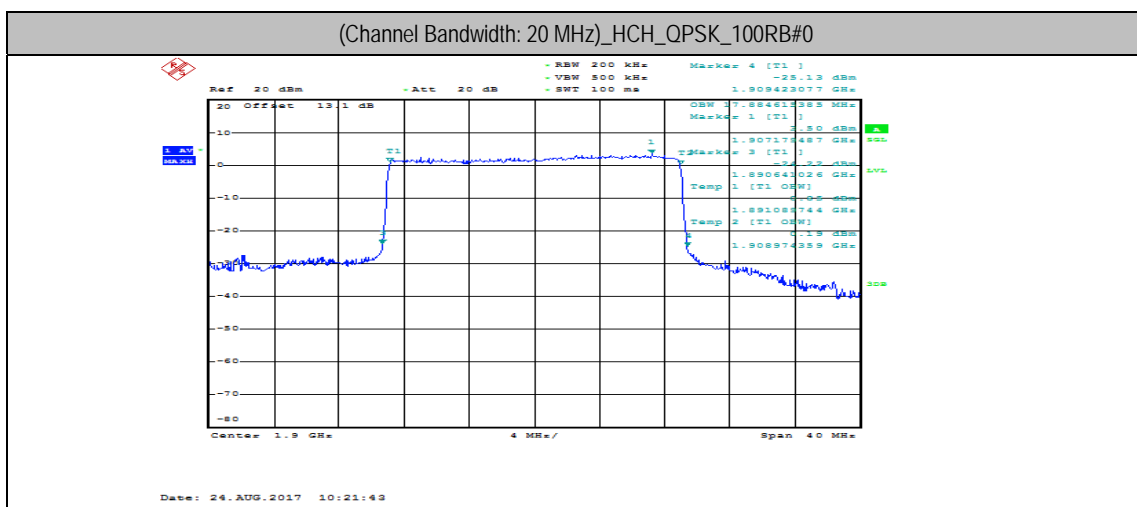
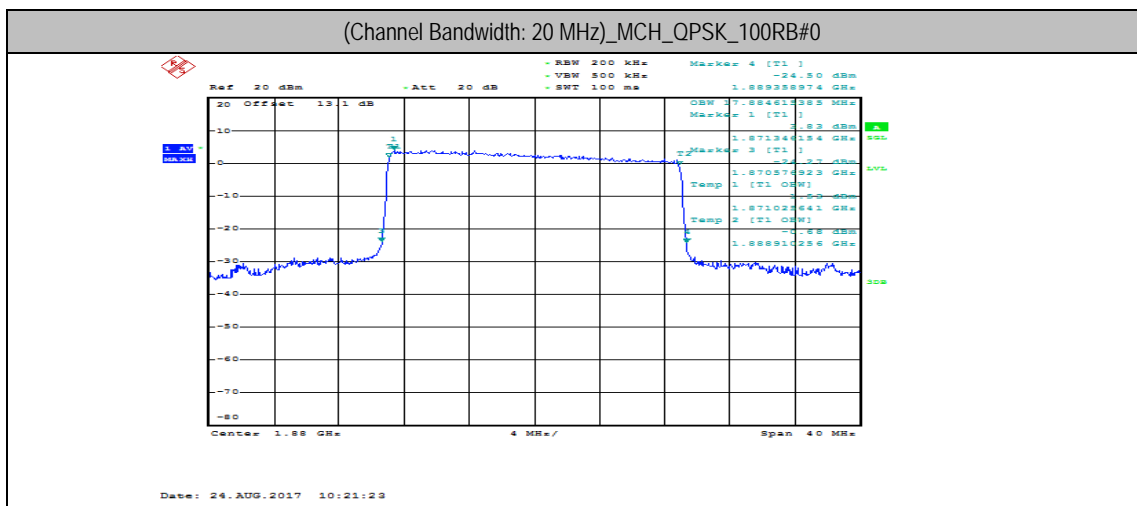
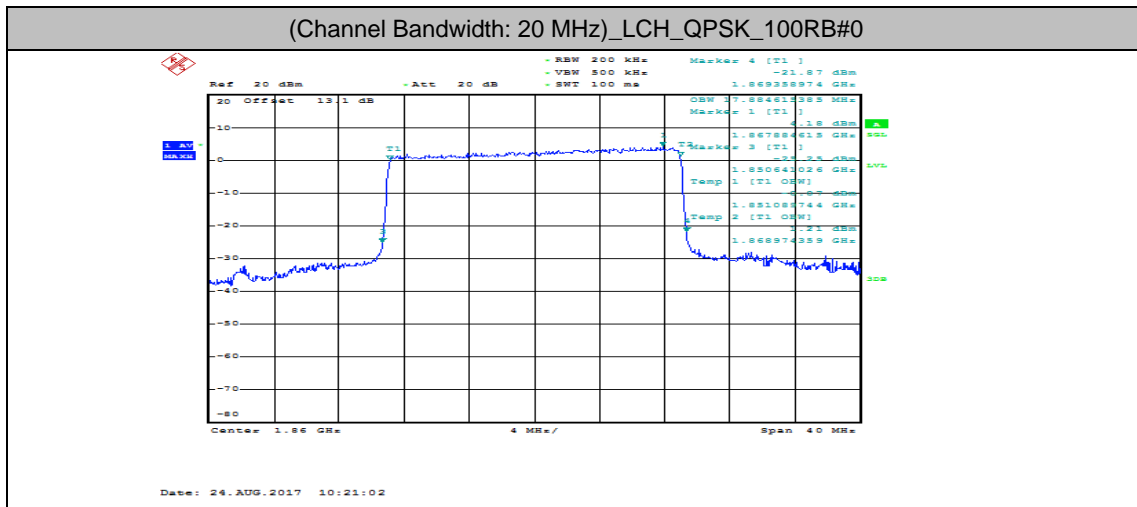
(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0



Date: 24.AUG.2017 10:19:21

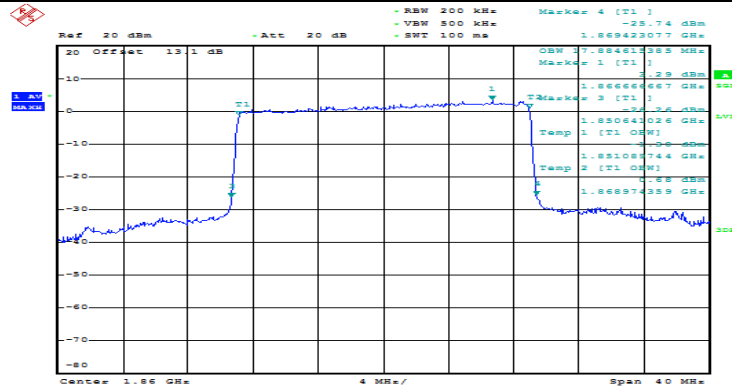


Channel Bandwidth: 20 MHz



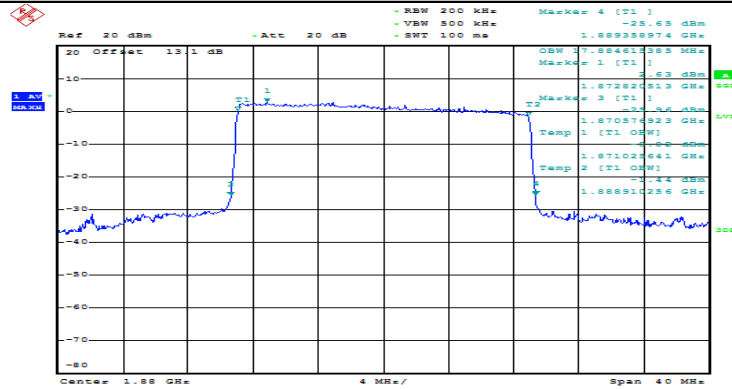


(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



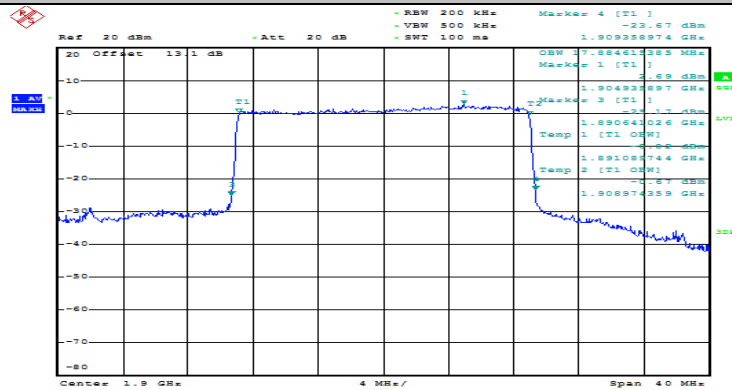
Date: 24.AUG.2017 10:21:12

(Channel Bandwidth: 20 MHz)_MCH_16QAM_100RB#0



Date: 24.AUG.2017 10:21:23

(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0



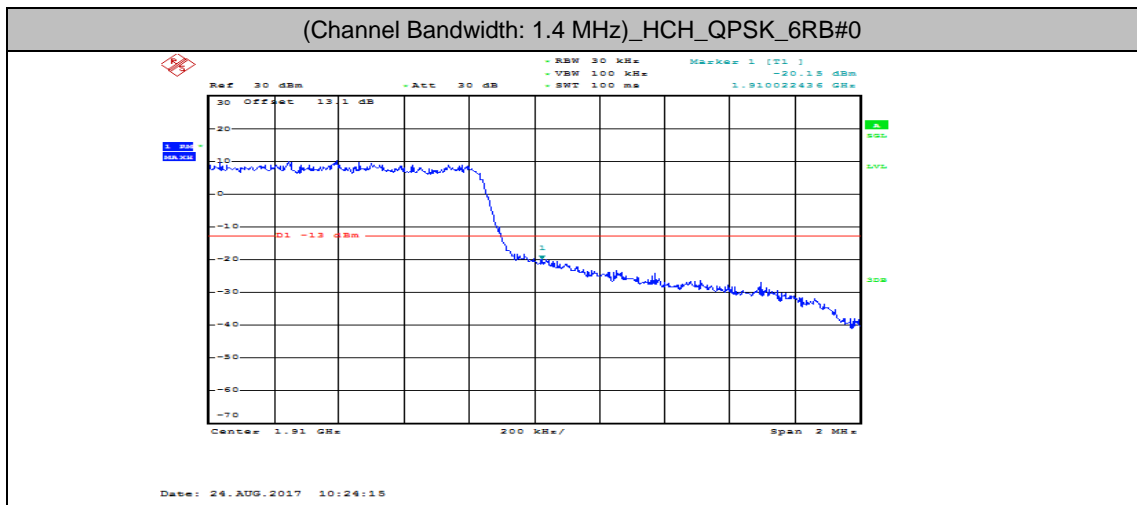
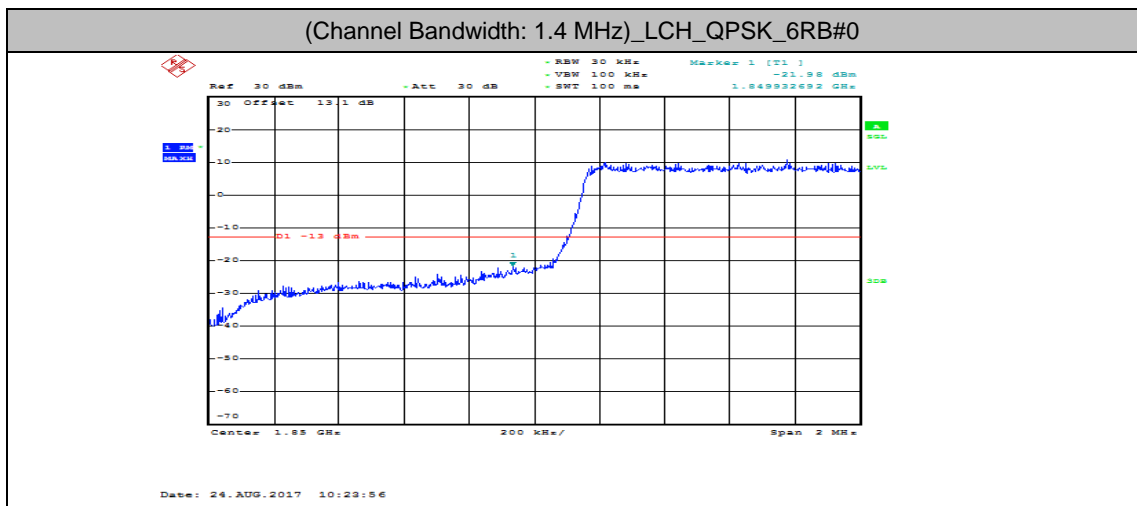
Date: 24.AUG.2017 10:21:54

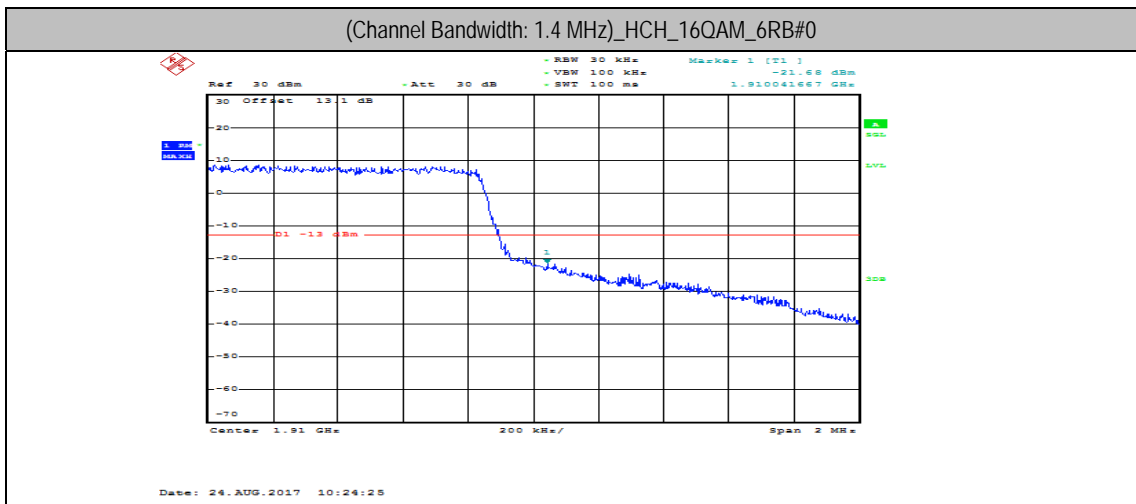
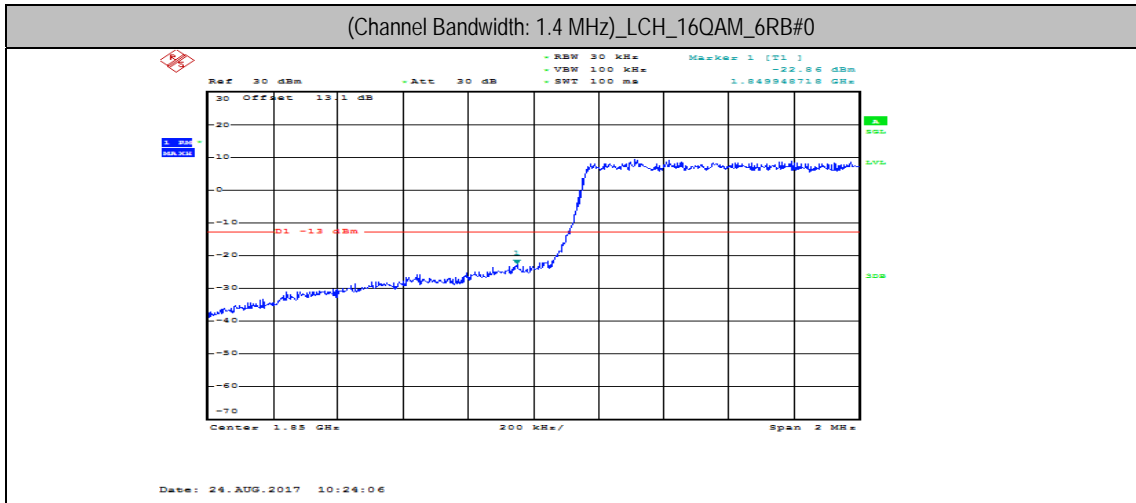


Appendix D: Band Edge

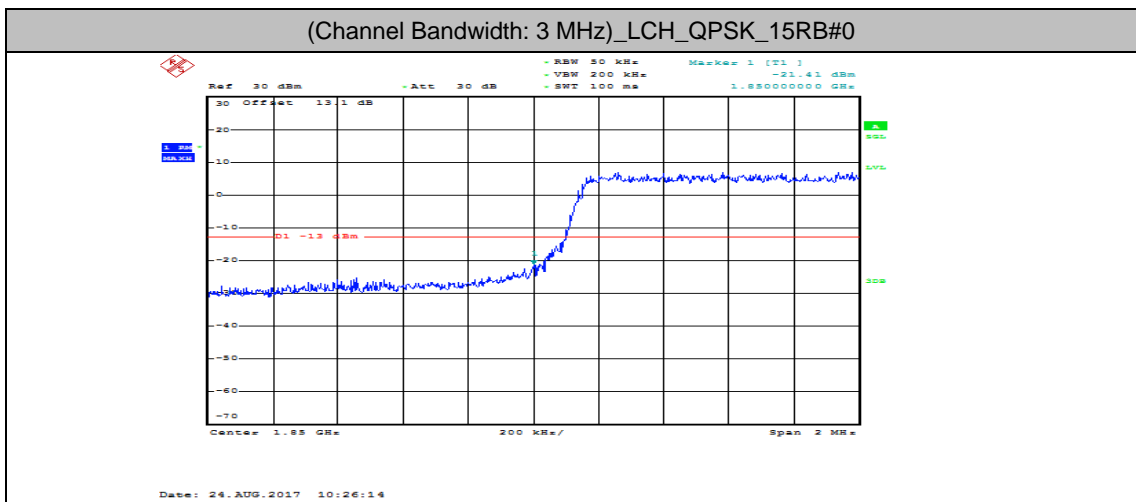
Test Graphs

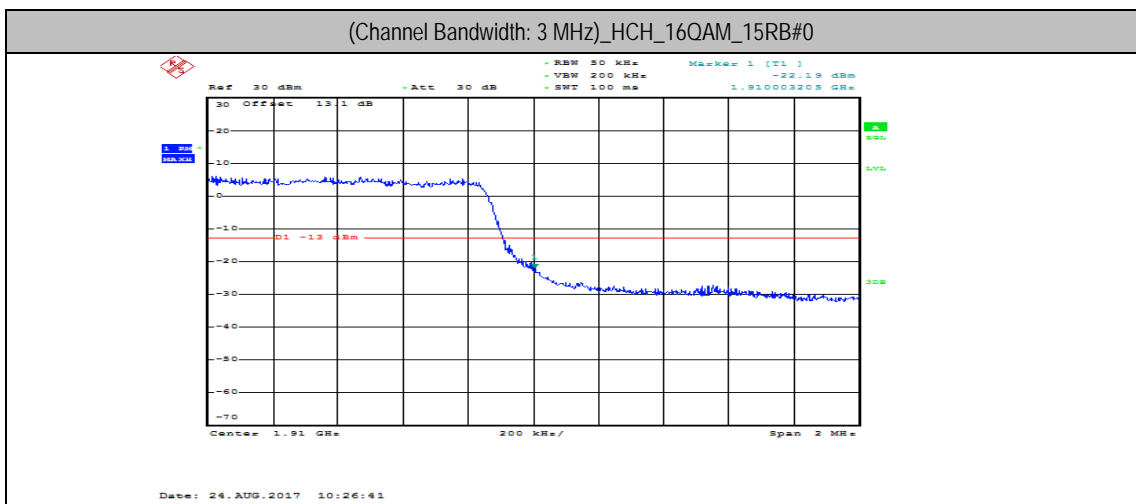
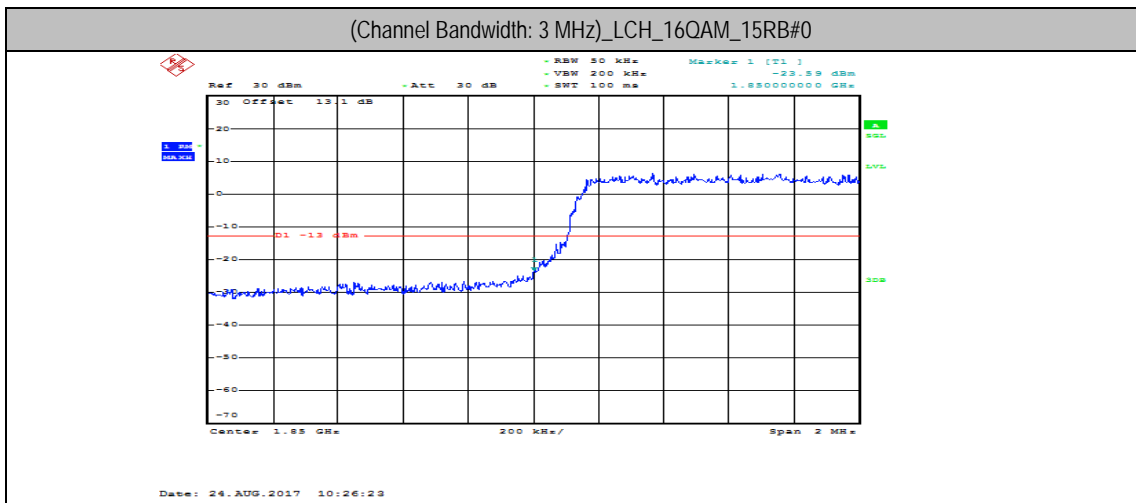
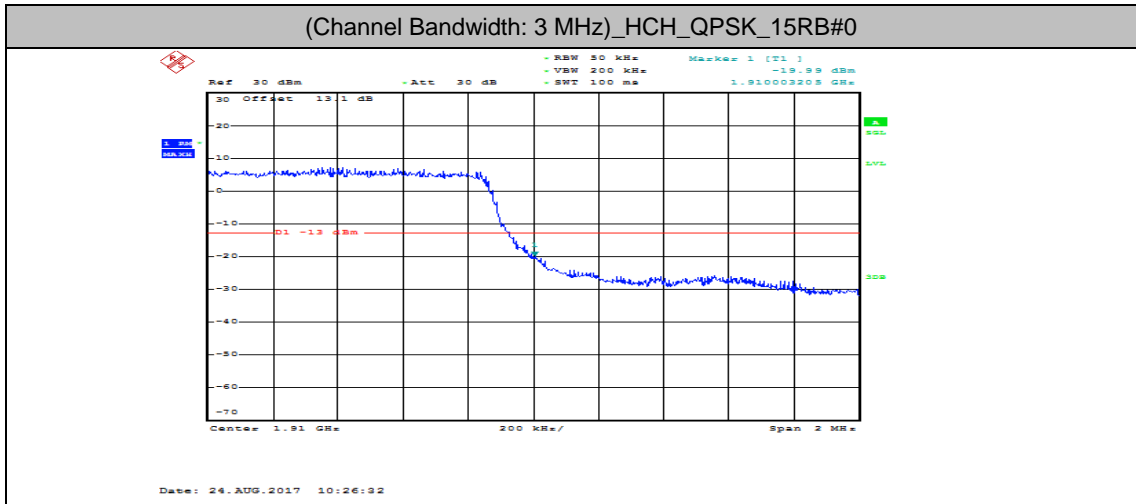
Channel Bandwidth: 1.4 MHz





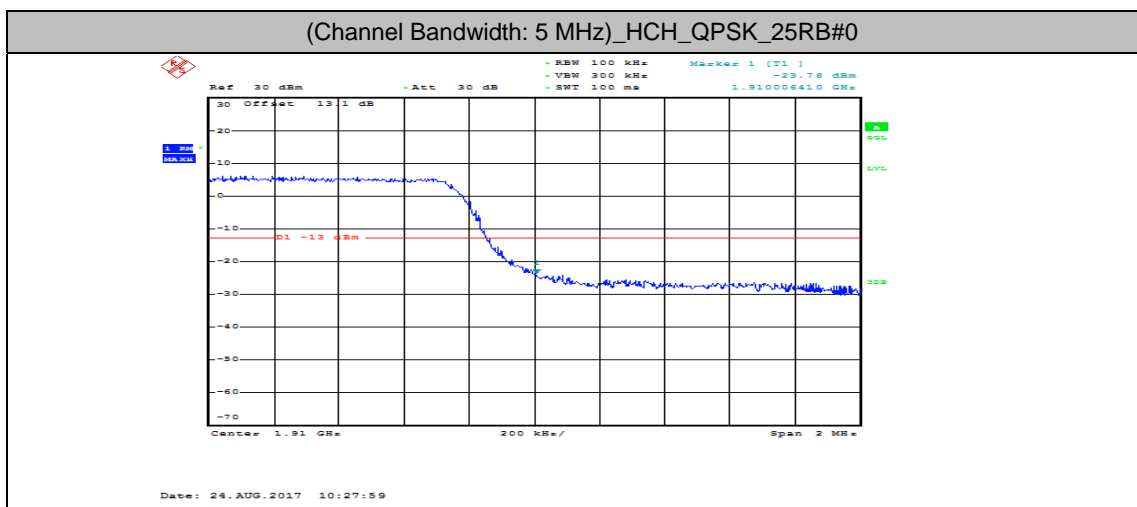
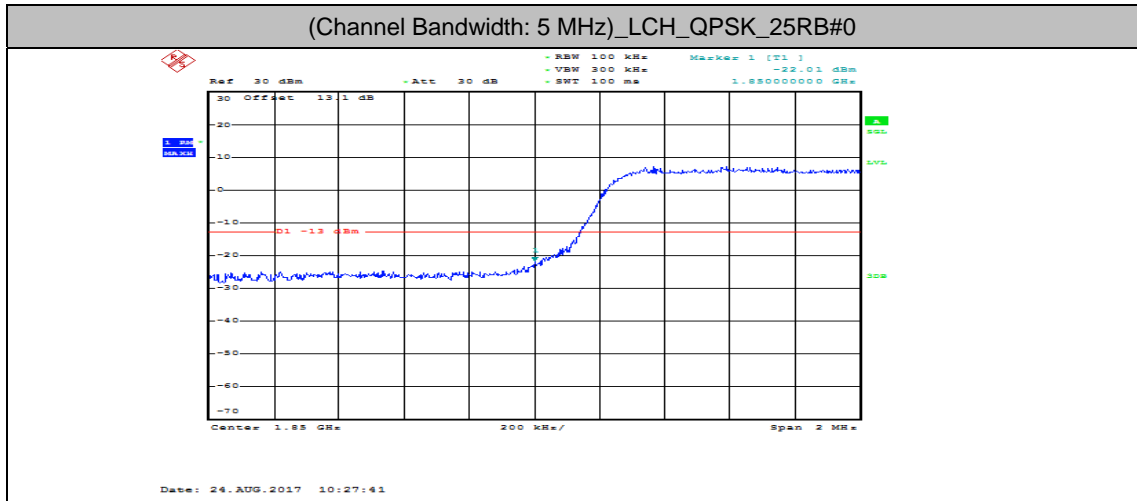
Channel Bandwidth: 3 MHz



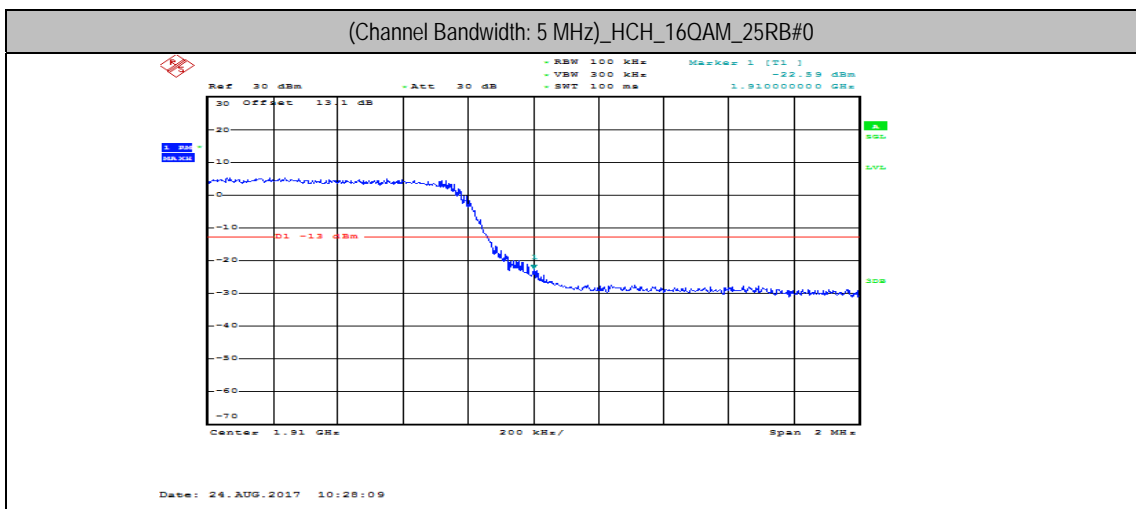
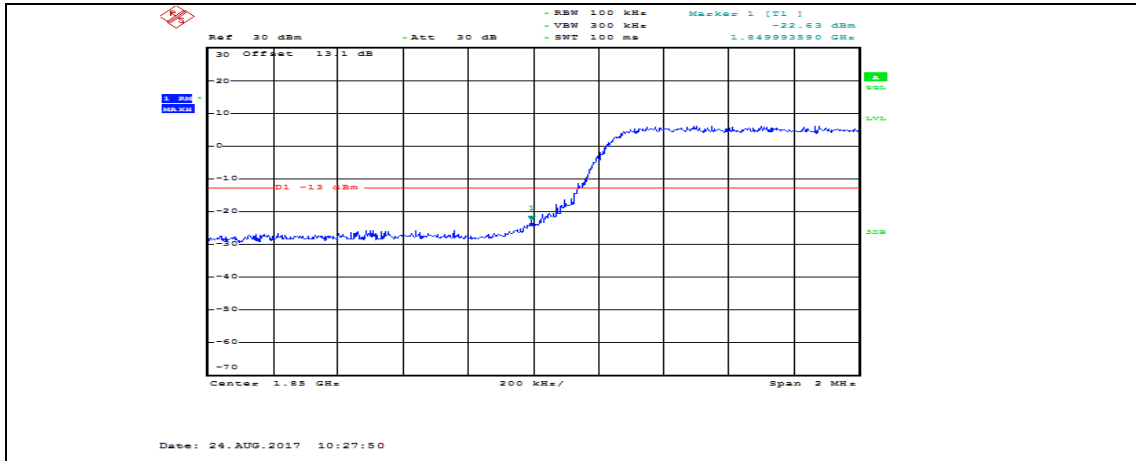




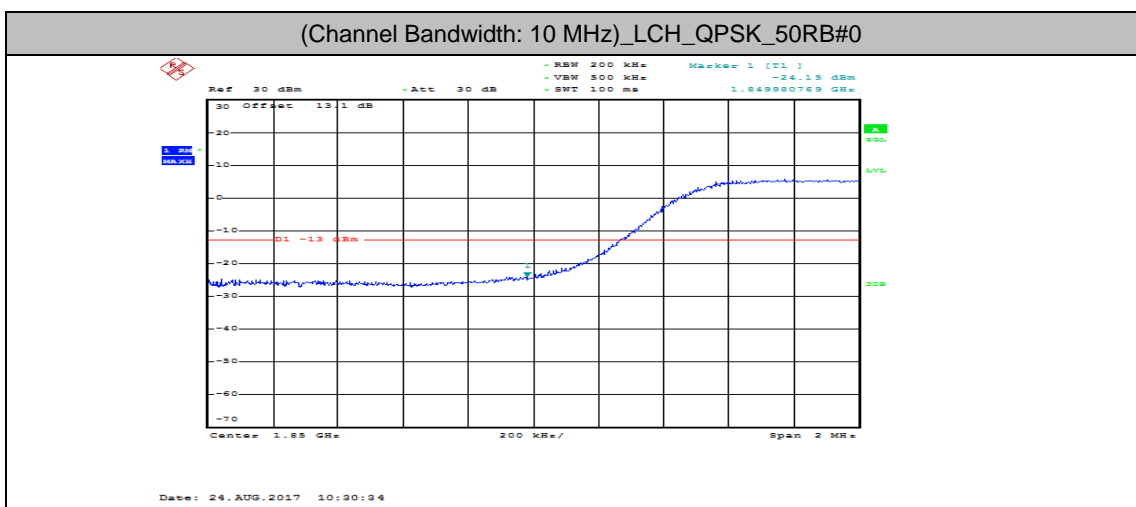
Channel Bandwidth: 5 MHz

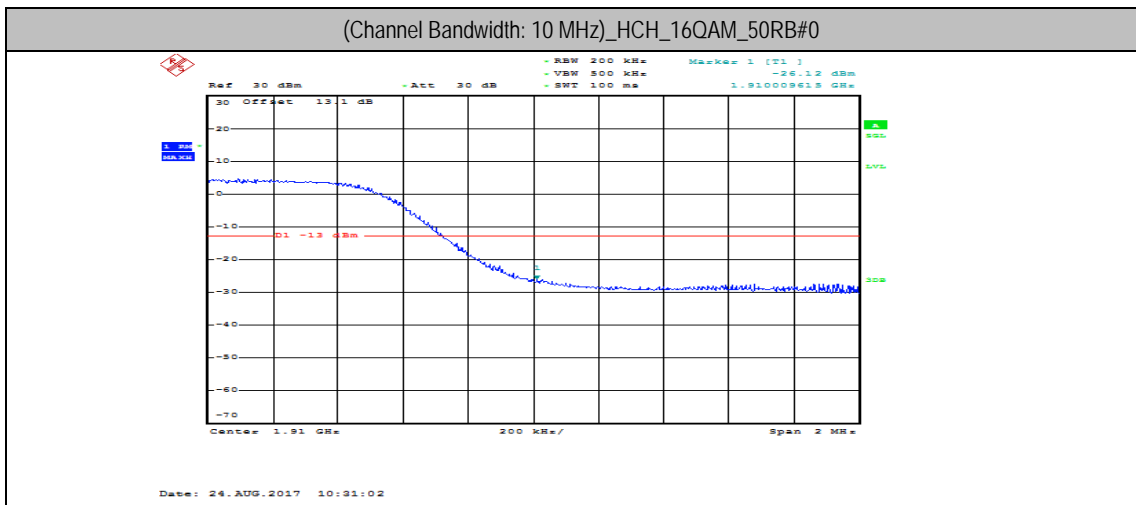
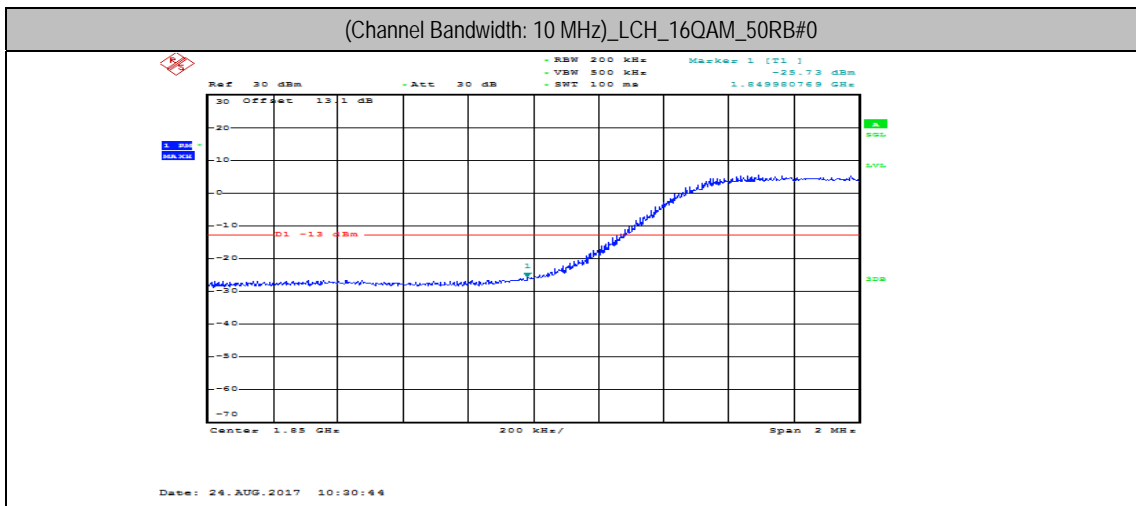
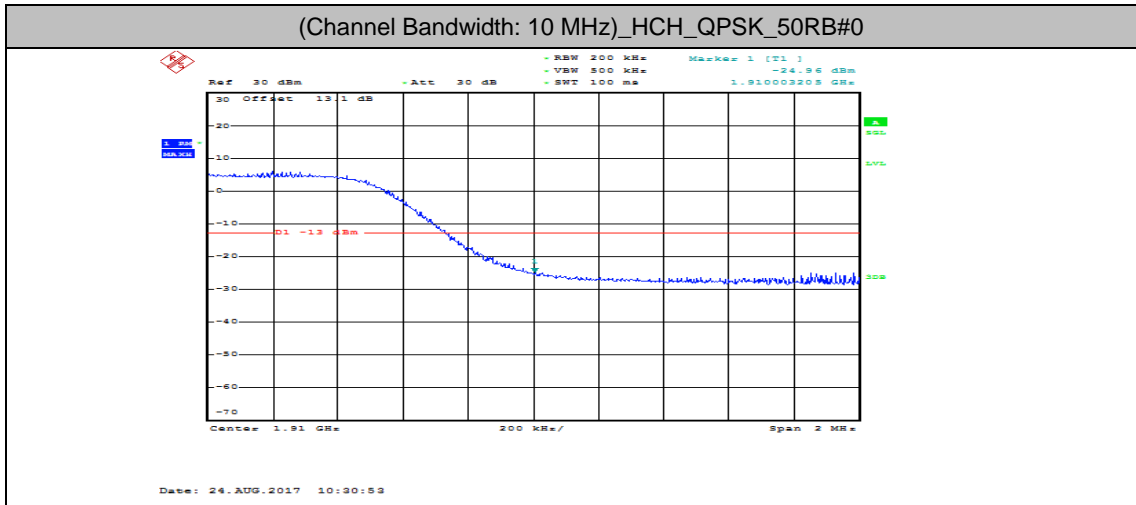


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



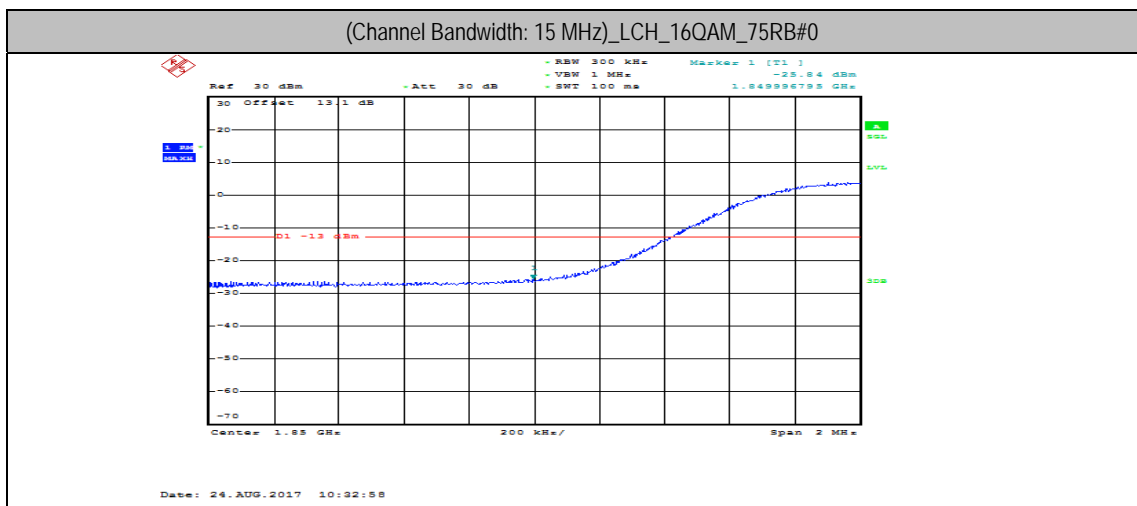
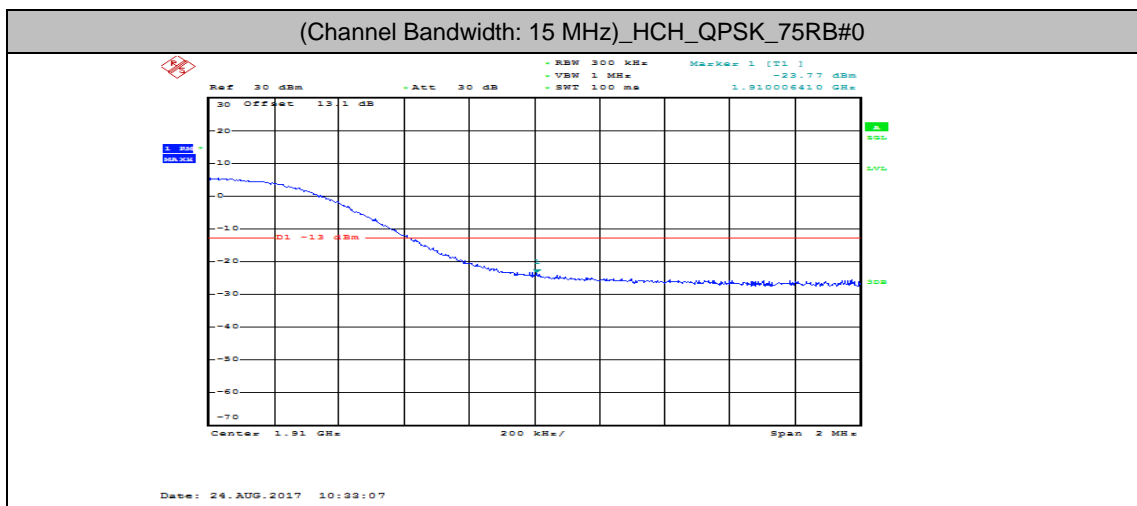
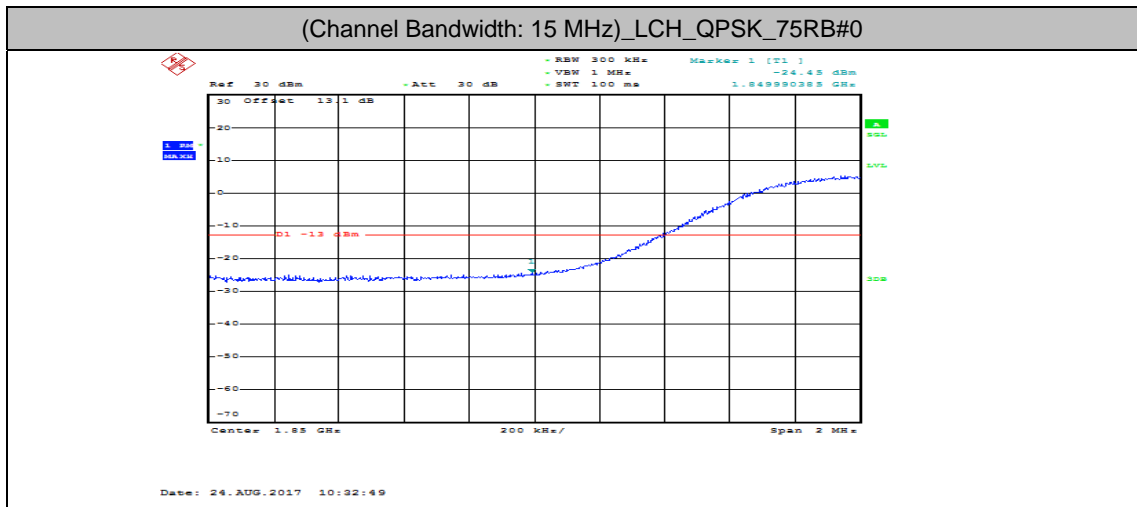
Channel Bandwidth: 10 MHz

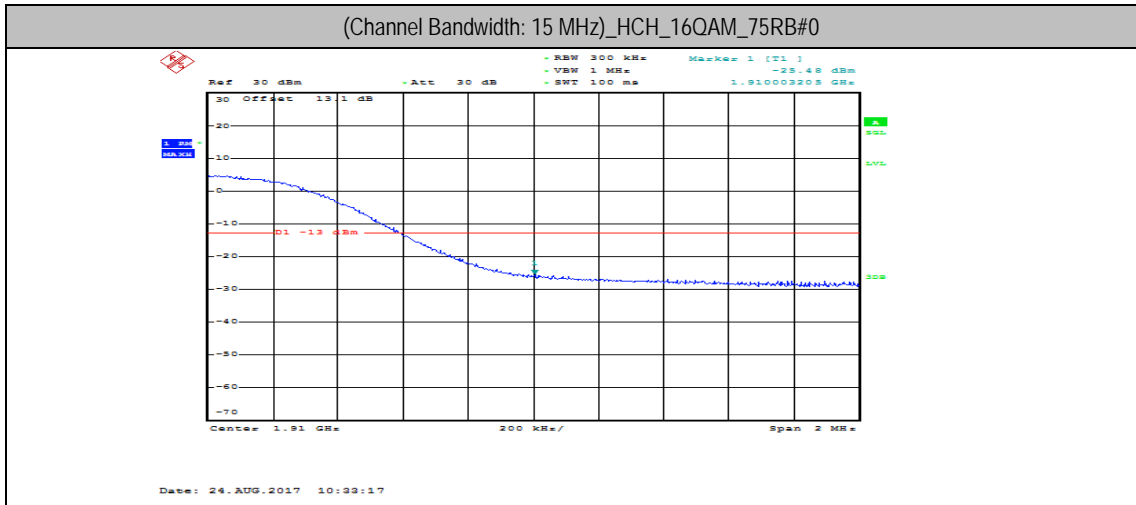




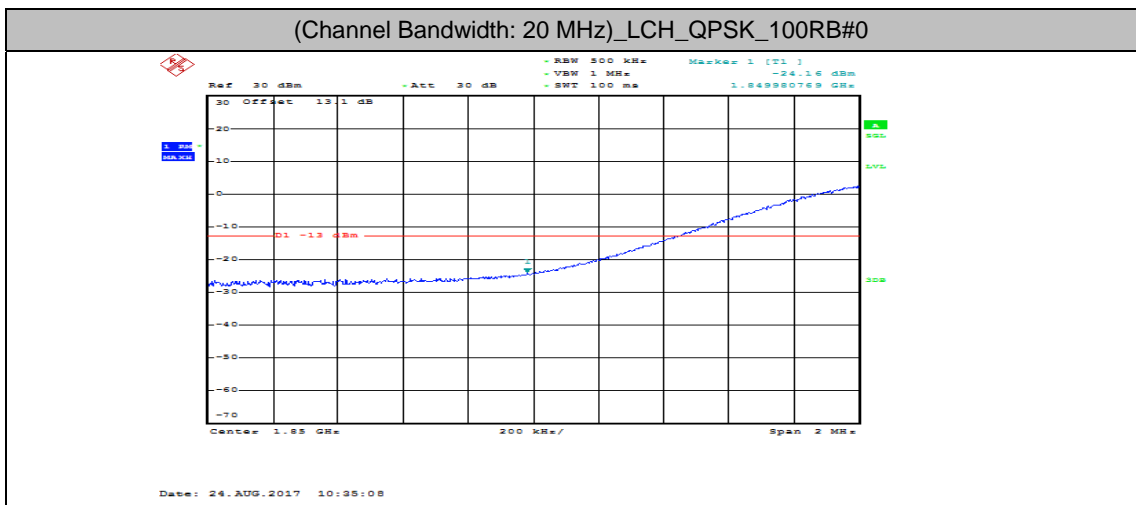


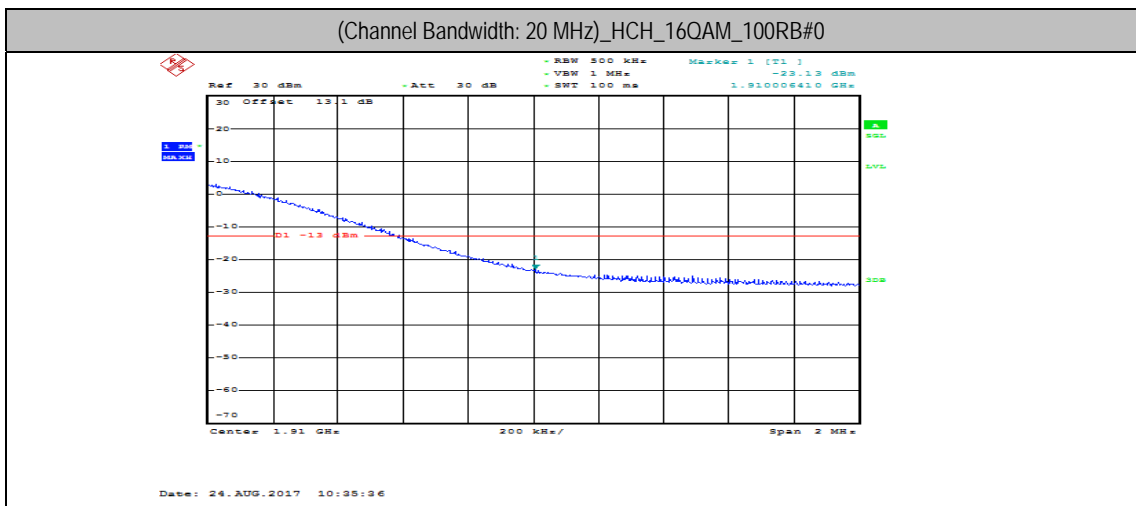
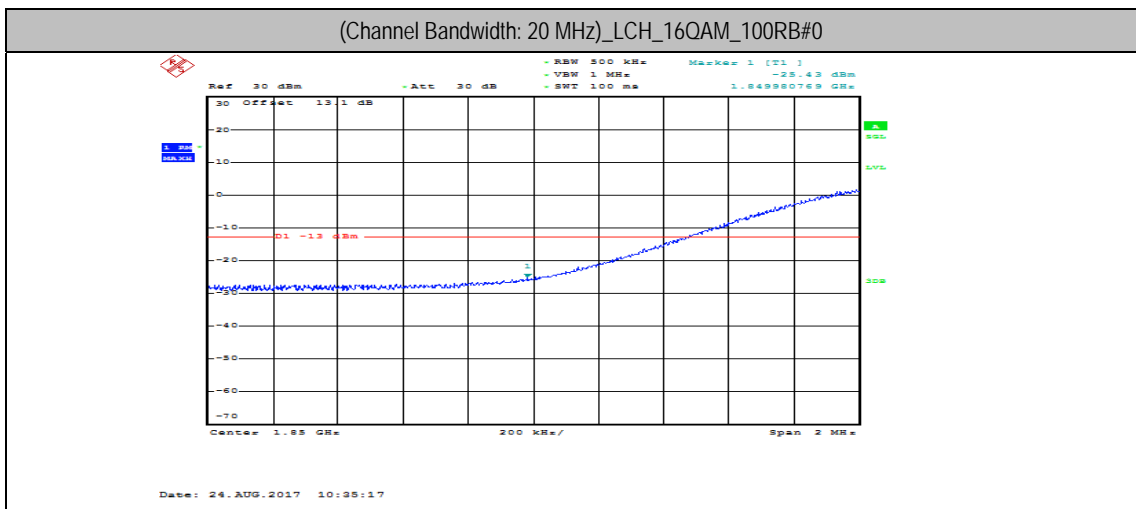
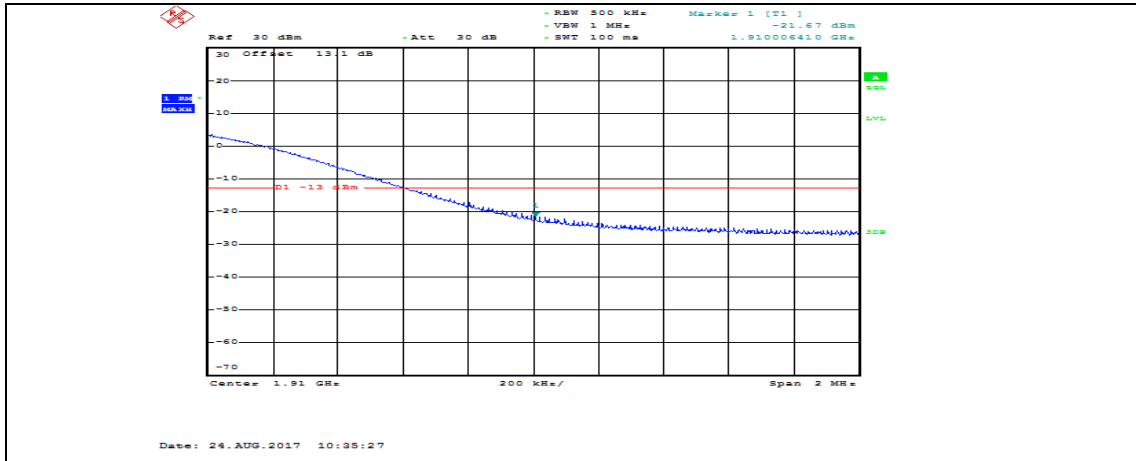
Channel Bandwidth: 15 MHz





Channel Bandwidth: 20 MHz



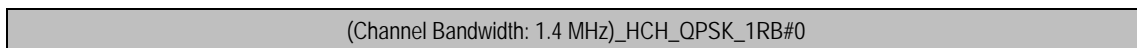
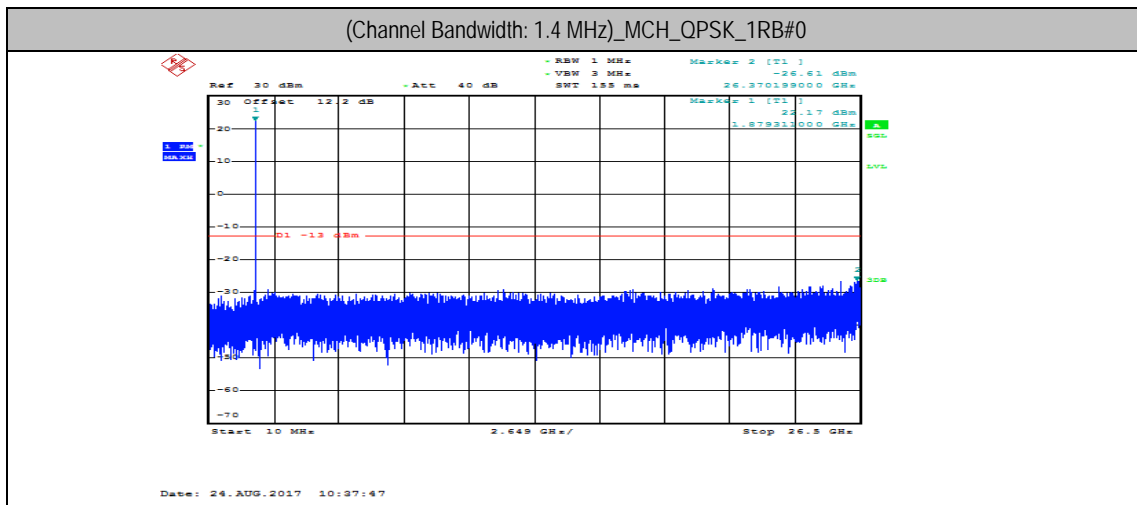
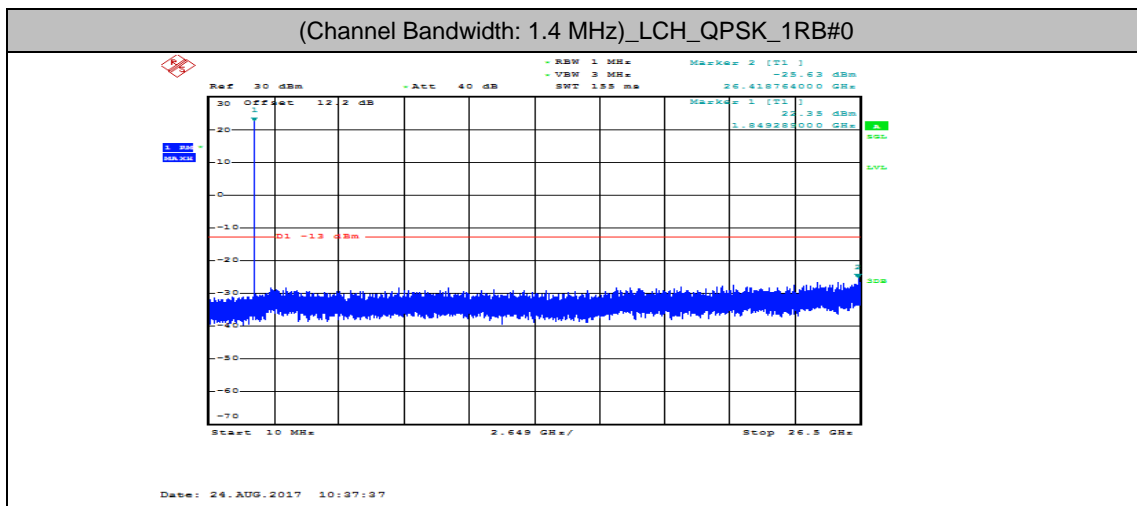


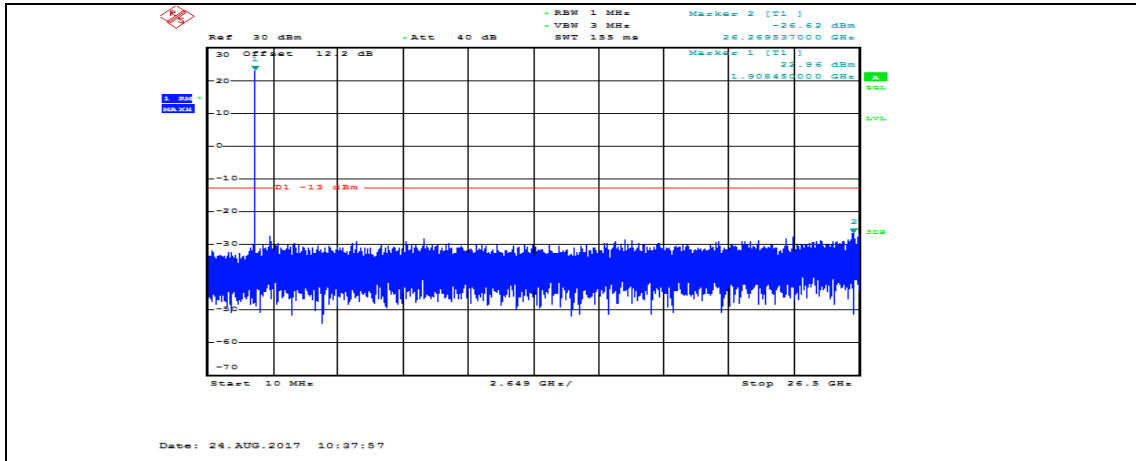


Appendix E: Conducted Spurious Emission

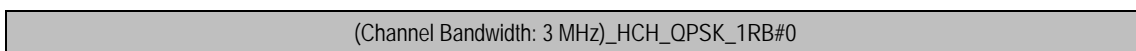
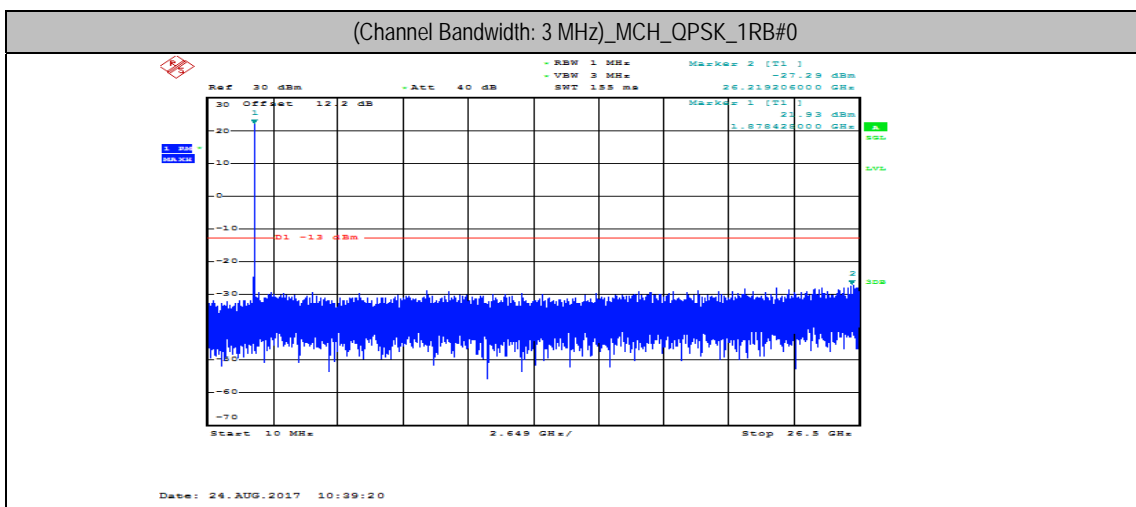
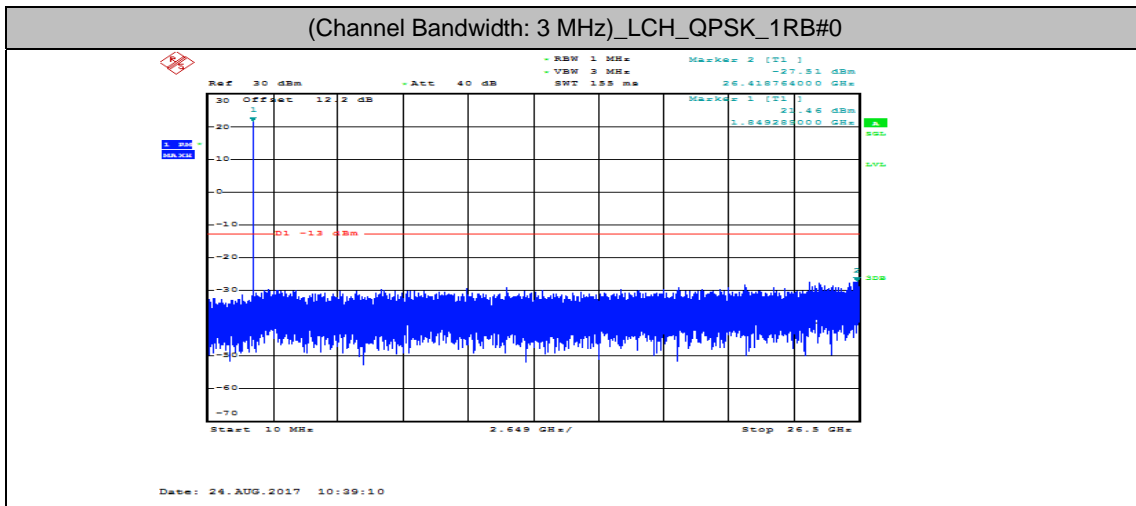
Test Graphs

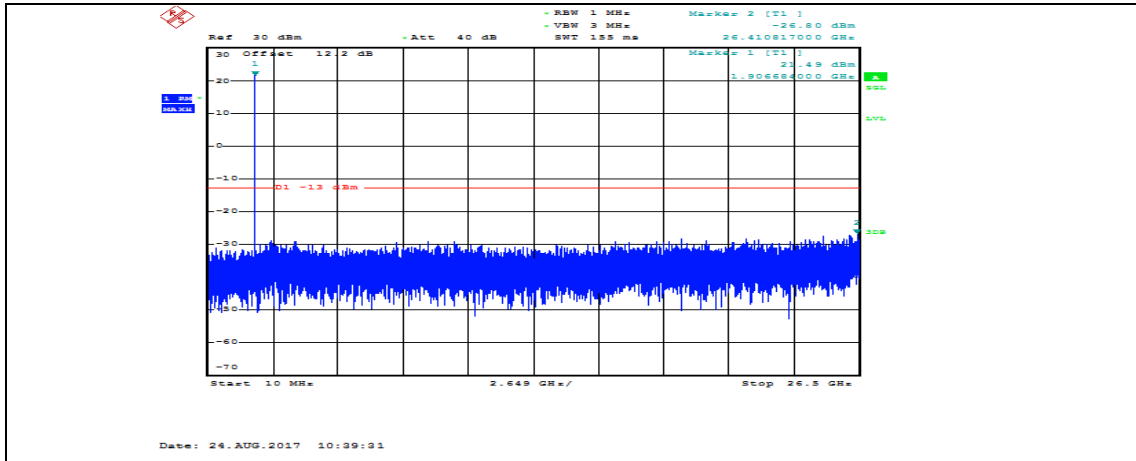
Channel Bandwidth: 1.4 MHz



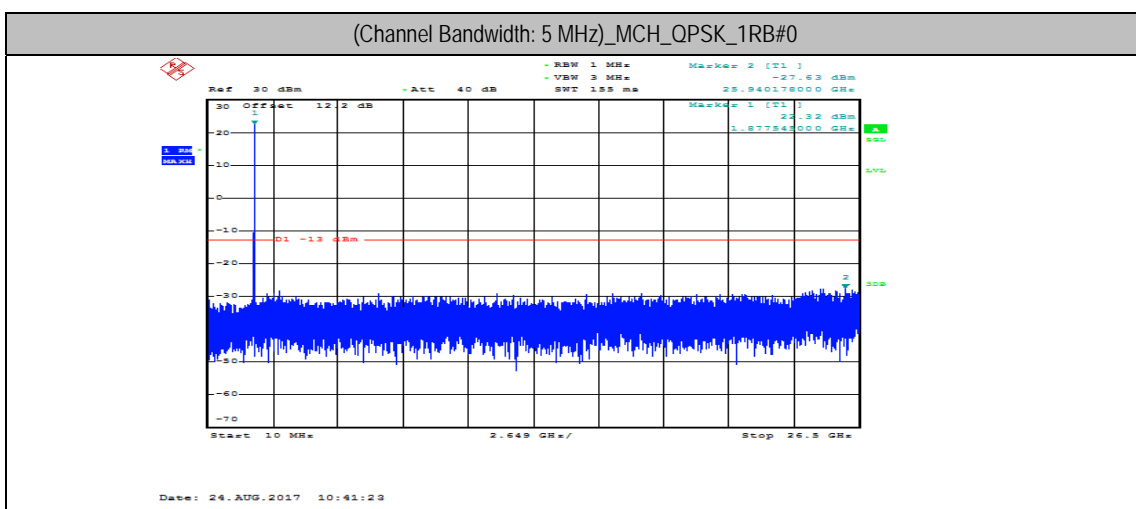
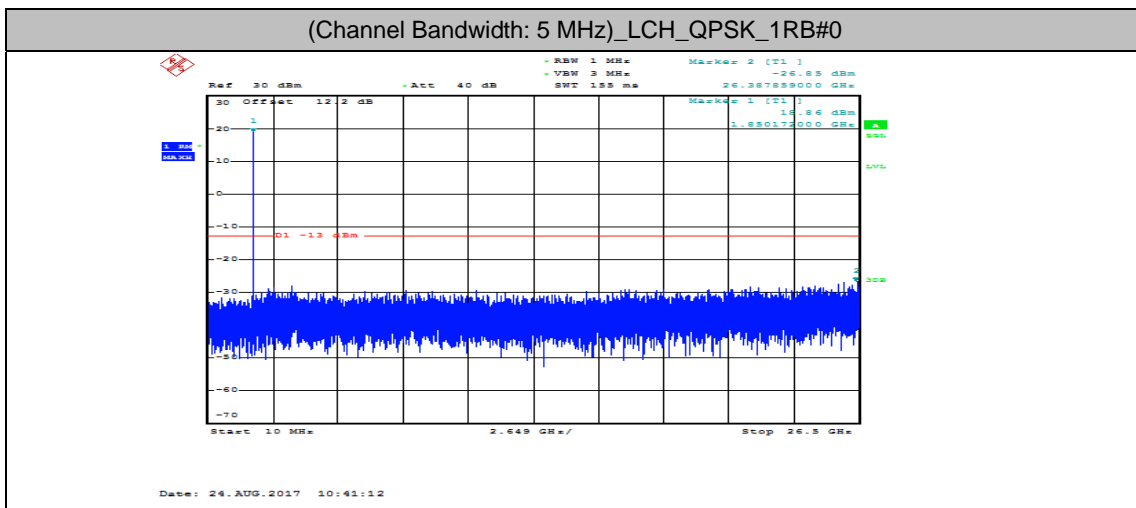


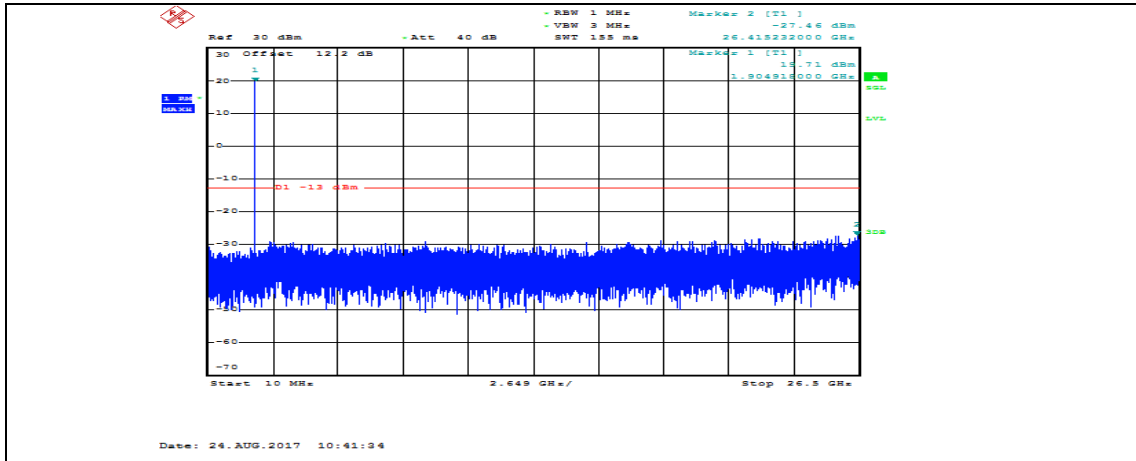
Channel Bandwidth: 3 MHz



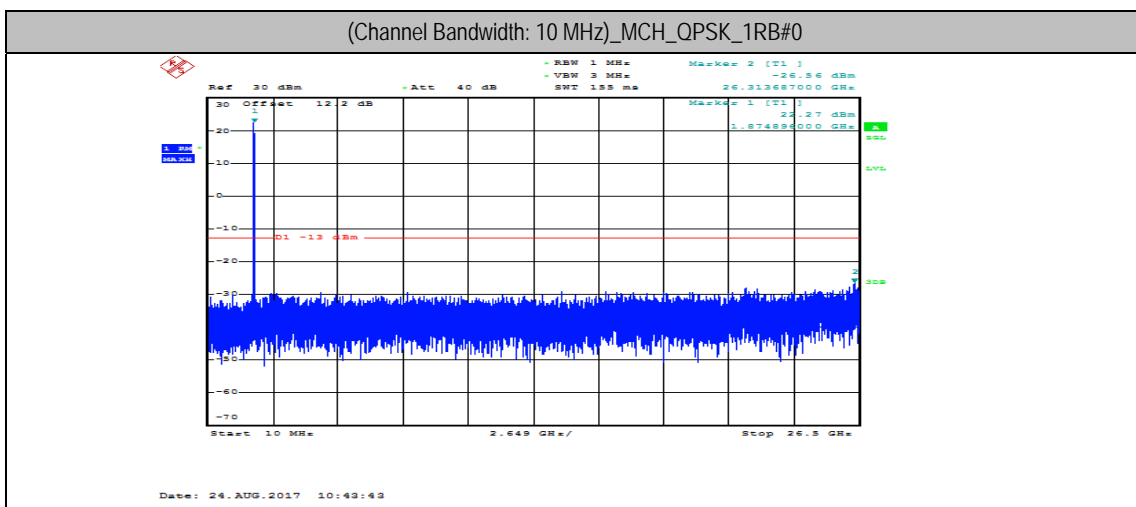
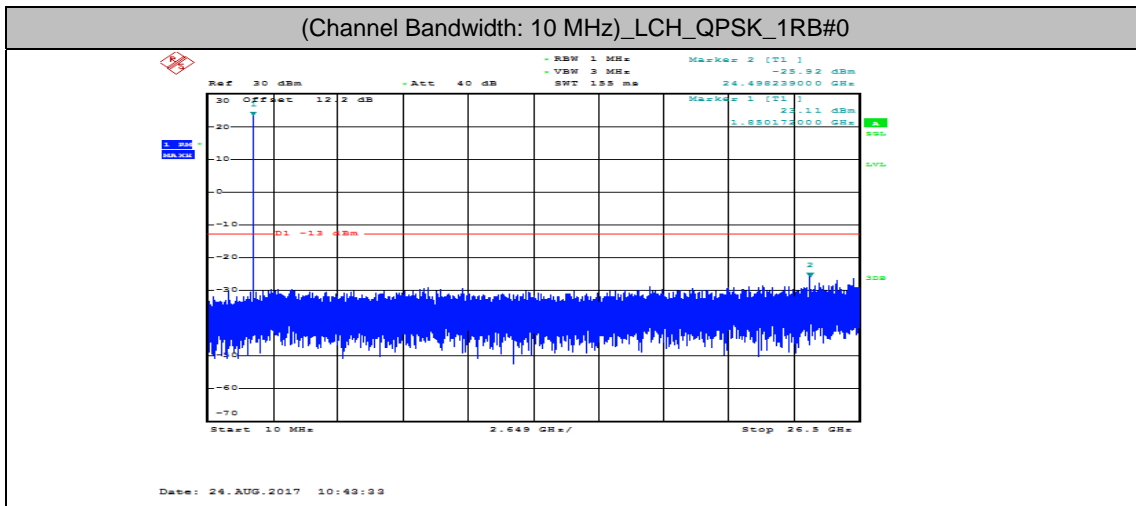


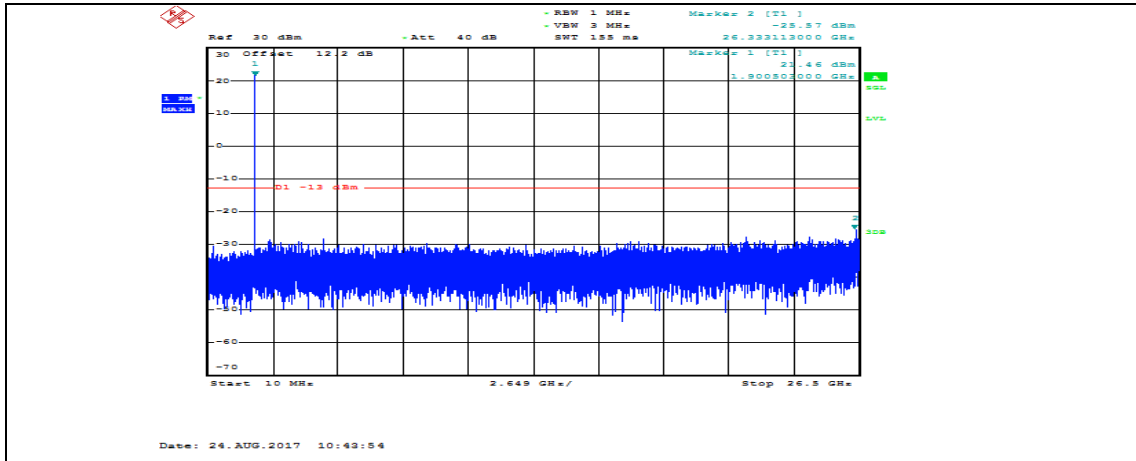
Channel Bandwidth: 5 MHz



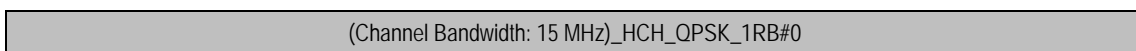
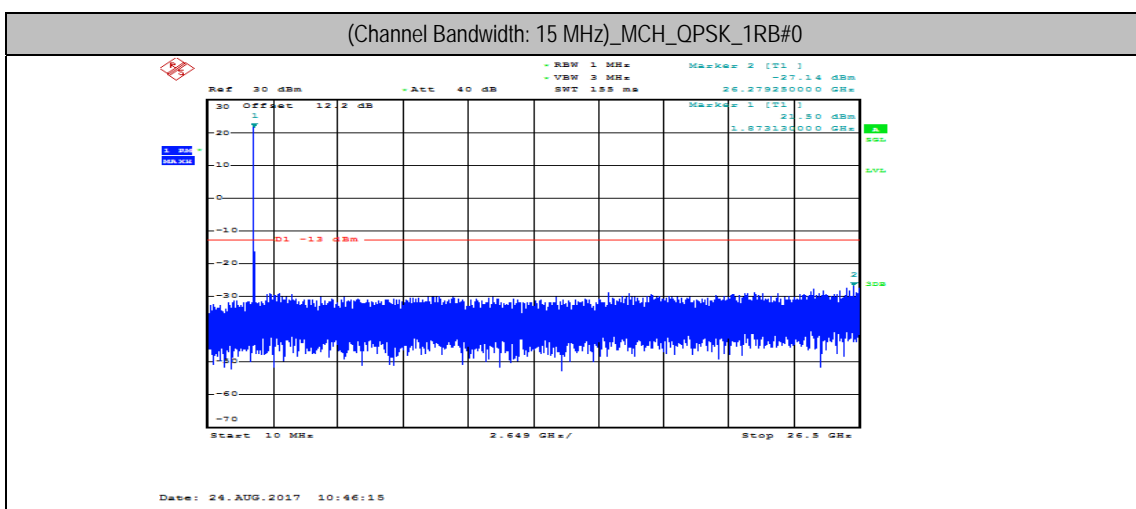
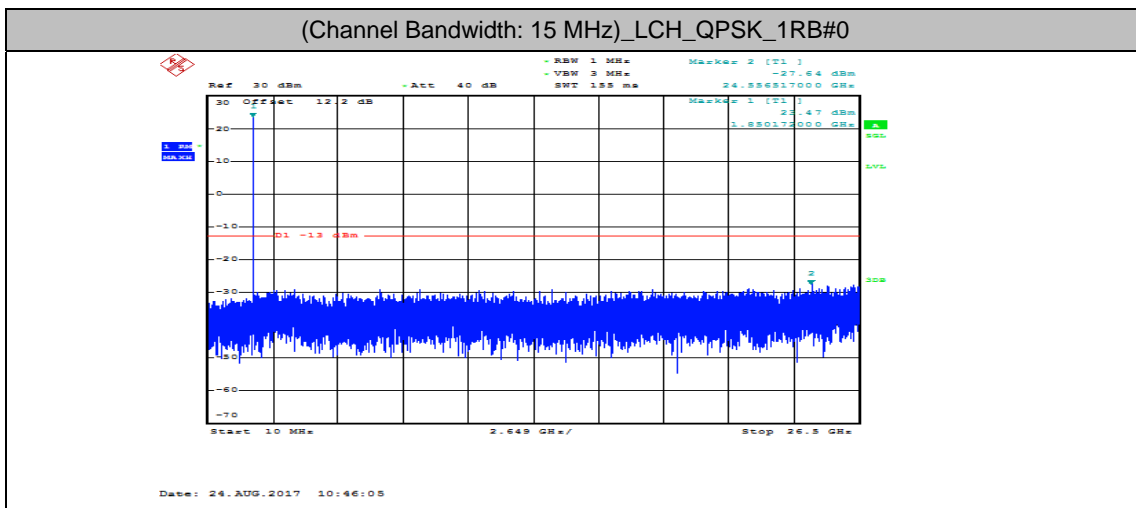


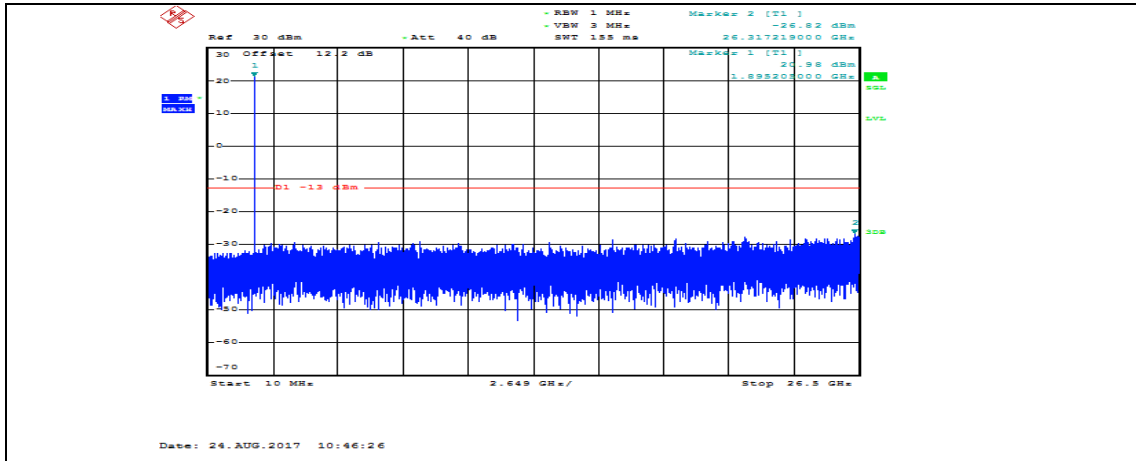
Channel Bandwidth: 10 MHz



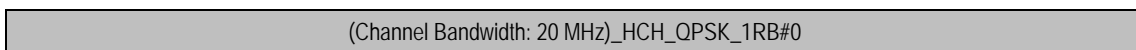
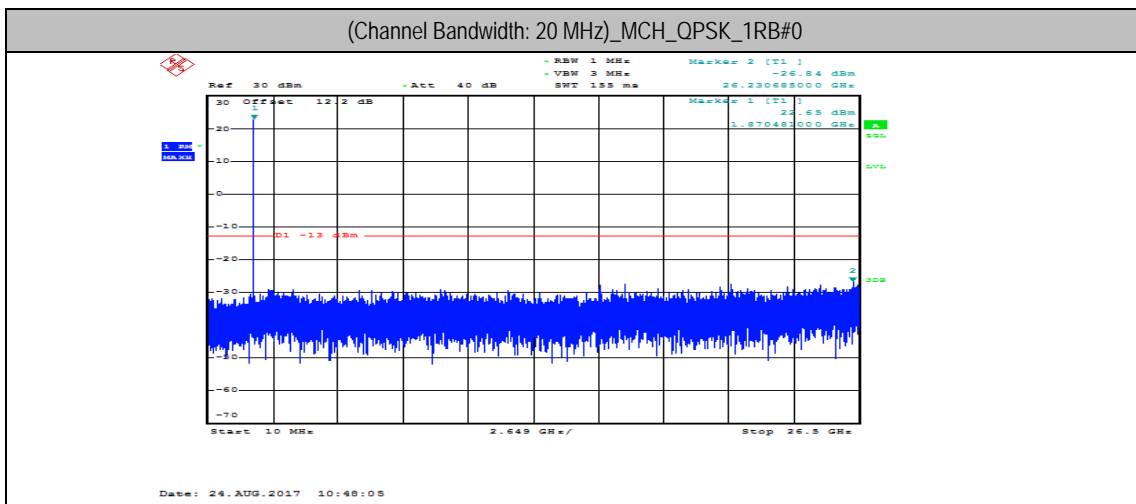
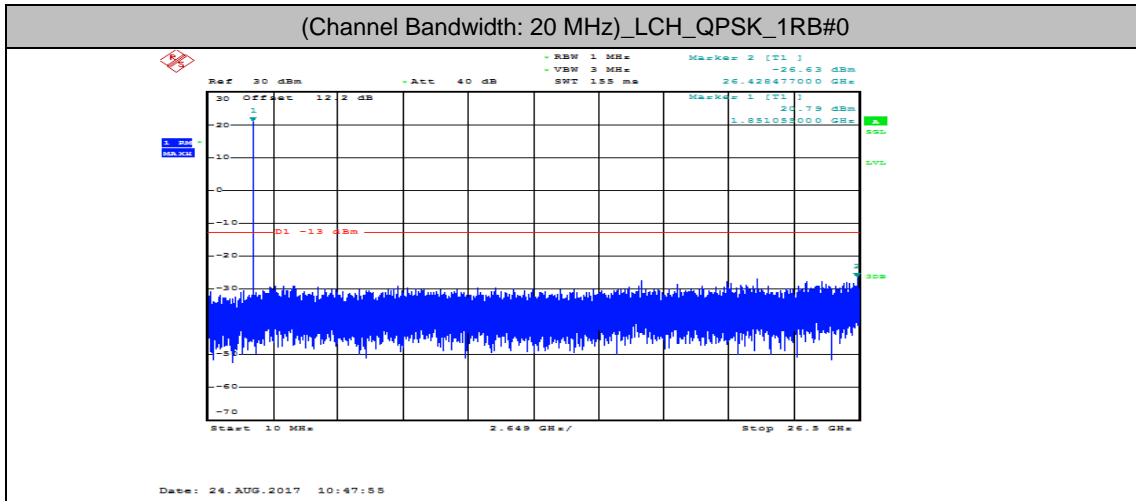


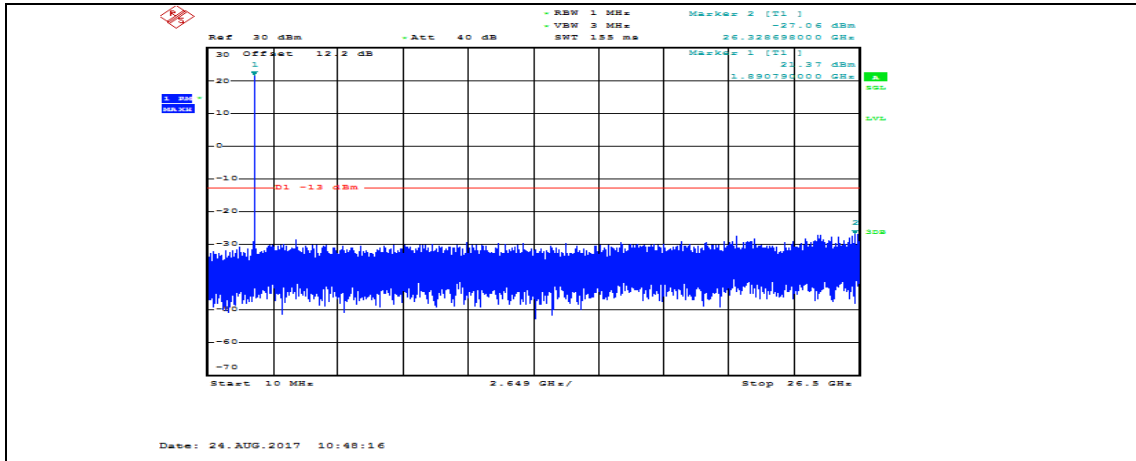
Channel Bandwidth: 15 MHz





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	-1.10	-0.000594	± 2.5	PASS
		VN	TN	-1.00	-0.000540	± 2.5	PASS
		VH	TN	-3.00	-0.001621	± 2.5	PASS
	MCH	VL	TN	-4.50	-0.002394	± 2.5	PASS
		VN	TN	-4.30	-0.002287	± 2.5	PASS
		VH	TN	-2.40	-0.001277	± 2.5	PASS
	HCH	VL	TN	-0.20	-0.000105	± 2.5	PASS
		VN	TN	3.20	0.001676	± 2.5	PASS
		VH	TN	1.60	0.000838	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.80	-0.000973	± 2.5	PASS
		VN	-20	-0.70	-0.000378	± 2.5	PASS
		VN	-10	-1.70	-0.000919	± 2.5	PASS
		VN	0	-0.10	-0.000054	± 2.5	PASS
		VN	10	-2.00	-0.001081	± 2.5	PASS
		VN	20	-2.60	-0.001405	± 2.5	PASS
		VN	30	-1.60	-0.000865	± 2.5	PASS
		VN	40	-1.90	-0.001027	± 2.5	PASS
	MCH	VN	50	-2.60	-0.001405	± 2.5	PASS
		VN	-30	-2.30	-0.001223	± 2.5	PASS
		VN	-20	-2.80	-0.001489	± 2.5	PASS
		VN	-10	-3.50	-0.001862	± 2.5	PASS



		VN	0	-3.20	-0.001702	± 2.5	PASS
		VN	10	-3.50	-0.001862	± 2.5	PASS
		VN	20	-2.70	-0.001436	± 2.5	PASS
		VN	30	-2.00	-0.001064	± 2.5	PASS
		VN	40	-2.70	-0.001436	± 2.5	PASS
		VN	50	-2.00	-0.001064	± 2.5	PASS
	HCH	VN	-30	3.30	0.001728	± 2.5	PASS
		VN	-20	1.60	0.000838	± 2.5	PASS
		VN	-10	1.10	0.000576	± 2.5	PASS
		VN	0	0.70	0.000367	± 2.5	PASS
		VN	10	2.20	0.001152	± 2.5	PASS
		VN	20	0.70	0.000367	± 2.5	PASS
		VN	30	0.70	0.000367	± 2.5	PASS
		VN	40	2.70	0.001414	± 2.5	PASS
VN	50	1.00	0.000524	± 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	-2.10	-0.001134	± 2.5	PASS
		VN	TN	-3.10	-0.001674	± 2.5	PASS
		VH	TN	-2.60	-0.001404	± 2.5	PASS
	MCH	VL	TN	-2.50	-0.001330	± 2.5	PASS
		VN	TN	-2.90	-0.001543	± 2.5	PASS
		VH	TN	-3.30	-0.001755	± 2.5	PASS
	HCH	VL	TN	2.00	0.001048	± 2.5	PASS
		VN	TN	3.10	0.001624	± 2.5	PASS
		VH	TN	-0.20	-0.000105	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.90	-0.000486	± 2.5	PASS
		VN	-20	-1.80	-0.000972	± 2.5	PASS
		VN	-10	-1.00	-0.000540	± 2.5	PASS
		VN	0	-1.40	-0.000756	± 2.5	PASS
		VN	10	-2.20	-0.001188	± 2.5	PASS
		VN	20	0.50	0.000270	± 2.5	PASS
		VN	30	-1.30	-0.000702	± 2.5	PASS
		VN	40	0.00	0.000000	± 2.5	PASS
		VN	50	-1.30	-0.000702	± 2.5	PASS
	MCH	VN	-30	-3.10	-0.001649	± 2.5	PASS
		VN	-20	-1.50	-0.000798	± 2.5	PASS
		VN	-10	-2.40	-0.001277	± 2.5	PASS
		VN	0	-2.70	-0.001436	± 2.5	PASS
		VN	10	-2.10	-0.001117	± 2.5	PASS



		VN	20	-2.30	-0.001223	± 2.5	PASS
		VN	30	-1.60	-0.000851	± 2.5	PASS
		VN	40	-2.50	-0.001330	± 2.5	PASS
		VN	50	-1.60	-0.000851	± 2.5	PASS
	HCH	VN	-30	-0.60	-0.000314	± 2.5	PASS
		VN	-20	1.20	0.000629	± 2.5	PASS
		VN	-10	2.70	0.001415	± 2.5	PASS
		VN	0	-0.90	-0.000472	± 2.5	PASS
		VN	10	-1.30	-0.000681	± 2.5	PASS
		VN	20	2.90	0.001520	± 2.5	PASS
		VN	30	0.60	0.000314	± 2.5	PASS
		VN	40	-0.10	-0.000052	± 2.5	PASS
		VN	50	0.60	0.000314	± 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	-1.40	-0.000756	± 2.5	PASS
		VN	TN	-1.00	-0.000540	± 2.5	PASS
		VH	TN	-2.70	-0.001457	± 2.5	PASS
	MCH	VL	TN	-3.10	-0.001649	± 2.5	PASS
		VN	TN	-1.60	-0.000851	± 2.5	PASS
		VH	TN	-3.20	-0.001702	± 2.5	PASS
	HCH	VL	TN	-0.90	-0.000472	± 2.5	PASS
		VN	TN	-0.60	-0.000315	± 2.5	PASS
		VH	TN	0.80	0.000419	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.10	0.000054	± 2.5	PASS
		VN	-20	0.50	0.000270	± 2.5	PASS
		VN	-10	-1.50	-0.000810	± 2.5	PASS
		VN	0	-1.90	-0.001026	± 2.5	PASS
		VN	10	-1.80	-0.000972	± 2.5	PASS
		VN	20	-2.20	-0.001188	± 2.5	PASS
		VN	30	-2.10	-0.001134	± 2.5	PASS
		VN	40	-1.30	-0.000702	± 2.5	PASS
		VN	50	-3.20	-0.001727	± 2.5	PASS
	MCH	VN	-30	-3.00	-0.001596	± 2.5	PASS
		VN	-20	-4.20	-0.002234	± 2.5	PASS
		VN	-10	-3.60	-0.001915	± 2.5	PASS
		VN	0	-3.00	-0.001596	± 2.5	PASS
		VN	10	-1.60	-0.000851	± 2.5	PASS
		VN	20	-1.40	-0.000745	± 2.5	PASS
		VN	30	-2.10	-0.001117	± 2.5	PASS



		VN	40	-3.60	-0.001915	± 2.5	PASS
		VN	50	-3.70	-0.001968	± 2.5	PASS
	HCH	VN	-30	1.60	0.000839	± 2.5	PASS
		VN	-20	-0.60	-0.000315	± 2.5	PASS
		VN	-10	0.60	0.000315	± 2.5	PASS
		VN	0	0.50	0.000262	± 2.5	PASS
		VN	10	1.70	0.000891	± 2.5	PASS
		VN	20	0.50	0.000262	± 2.5	PASS
		VN	30	-1.40	-0.000734	± 2.5	PASS
		VN	40	1.30	0.000682	± 2.5	PASS
		VN	50	0.30	0.000157	± 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	-3.50	-0.001887	± 2.5	PASS
		VN	TN	-2.20	-0.001186	± 2.5	PASS
		VH	TN	-1.60	-0.000863	± 2.5	PASS
	MCH	VL	TN	-3.00	-0.001596	± 2.5	PASS
		VN	TN	-3.20	-0.001702	± 2.5	PASS
		VH	TN	-2.40	-0.001277	± 2.5	PASS
	HCH	VL	TN	0.90	0.000472	± 2.5	PASS
		VN	TN	-0.40	-0.000210	± 2.5	PASS
		VH	TN	1.60	0.000840	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.40	-0.000755	± 2.5	PASS
		VN	-20	-3.60	-0.001941	± 2.5	PASS
		VN	-10	-2.60	-0.001402	± 2.5	PASS
		VN	0	-2.90	-0.001563	± 2.5	PASS
		VN	10	-1.30	-0.000701	± 2.5	PASS
		VN	20	-4.10	-0.002210	± 2.5	PASS
		VN	30	-2.10	-0.001132	± 2.5	PASS
		VN	40	-2.20	-0.001186	± 2.5	PASS
		VN	50	-4.30	-0.002318	± 2.5	PASS
	MCH	VN	-30	-2.00	-0.001064	± 2.5	PASS
		VN	-20	-4.50	-0.002394	± 2.5	PASS
		VN	-10	-3.60	-0.001915	± 2.5	PASS
		VN	0	-3.20	-0.001702	± 2.5	PASS
		VN	10	-3.30	-0.001755	± 2.5	PASS
		VN	20	-3.30	-0.001755	± 2.5	PASS
		VN	30	-2.70	-0.001436	± 2.5	PASS
		VN	40	-2.80	-0.001489	± 2.5	PASS
		VN	50	-2.60	-0.001383	± 2.5	PASS



	HCH	VN	-30	0.20	0.000105	± 2.5	PASS
		VN	-20	1.10	0.000577	± 2.5	PASS
		VN	-10	1.10	0.000577	± 2.5	PASS
		VN	0	1.10	0.000577	± 2.5	PASS
		VN	10	0.60	0.000315	± 2.5	PASS
		VN	20	3.00	0.001575	± 2.5	PASS
		VN	30	1.50	0.000787	± 2.5	PASS
		VN	40	1.60	0.000840	± 2.5	PASS
		VN	50	1.80	0.000945	± 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	-1.30	-0.000700	± 2.5	PASS
		VN	TN	0.10	0.000054	± 2.5	PASS
		VH	TN	-1.40	-0.000754	± 2.5	PASS
	MCH	VL	TN	-2.80	-0.001489	± 2.5	PASS
		VN	TN	1.00	0.000532	± 2.5	PASS
		VH	TN	-2.30	-0.001223	± 2.5	PASS
	HCH	VL	TN	-3.40	-0.001787	± 2.5	PASS
		VN	TN	-1.10	-0.000578	± 2.5	PASS
		VH	TN	-1.70	-0.000894	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2.80	-0.001507	± 2.5	PASS
		VN	-20	-1.10	-0.000592	± 2.5	PASS
		VN	-10	-0.80	-0.000431	± 2.5	PASS
		VN	0	-0.20	-0.000108	± 2.5	PASS
		VN	10	-3.40	-0.001830	± 2.5	PASS
		VN	20	-3.10	-0.001669	± 2.5	PASS
		VN	30	-1.40	-0.000754	± 2.5	PASS
		VN	40	-3.80	-0.002046	± 2.5	PASS
		VN	50	-3.00	-0.001615	± 2.5	PASS
	MCH	VN	-30	-1.80	-0.000957	± 2.5	PASS
		VN	-20	-3.40	-0.001809	± 2.5	PASS
		VN	-10	-2.80	-0.001489	± 2.5	PASS
		VN	0	-0.30	-0.000160	± 2.5	PASS
		VN	10	-2.70	-0.001436	± 2.5	PASS
		VN	20	-2.10	-0.001117	± 2.5	PASS
		VN	30	-1.40	-0.000745	± 2.5	PASS
		VN	40	-1.50	-0.000798	± 2.5	PASS
		VN	50	-0.80	-0.000426	± 2.5	PASS
	HCH	VN	-30	-2.70	-0.001419	± 2.5	PASS
		VN	-20	-1.90	-0.000999	± 2.5	PASS



		VN	-10	-2.80	-0.001472	± 2.5	PASS
		VN	0	-2.30	-0.001209	± 2.5	PASS
		VN	10	-1.90	-0.000999	± 2.5	PASS
		VN	20	-2.20	-0.001156	± 2.5	PASS
		VN	30	-4.20	-0.002208	± 2.5	PASS
		VN	40	-3.70	-0.001945	± 2.5	PASS
		VN	50	-1.20	-0.000631	± 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	0.001452	± 2.5	PASS
		VN	TN	0.40	0.000215	± 2.5	PASS
		VH	TN	2.90	0.001559	± 2.5	PASS
	MCH	VL	TN	-2.90	-0.001543	± 2.5	PASS
		VN	TN	2.70	0.001436	± 2.5	PASS
		VH	TN	-1.60	-0.000851	± 2.5	PASS
	HCH	VL	TN	-3.50	-0.001842	± 2.5	PASS
		VN	TN	2.10	0.001105	± 2.5	PASS
		VH	TN	-1.20	-0.000632	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.80	0.000430	± 2.5	PASS
		VN	-20	2.30	0.001237	± 2.5	PASS
		VN	-10	2.70	0.001452	± 2.5	PASS
		VN	0	0.40	0.000215	± 2.5	PASS
		VN	10	0.80	0.000430	± 2.5	PASS
		VN	20	0.20	0.000108	± 2.5	PASS
		VN	30	3.90	0.002097	± 2.5	PASS
		VN	40	2.60	0.001398	± 2.5	PASS
		VN	50	1.10	0.000591	± 2.5	PASS
	MCH	VN	-30	-2.60	-0.001383	± 2.5	PASS
		VN	-20	-3.90	-0.002074	± 2.5	PASS
		VN	-10	-3.30	-0.001755	± 2.5	PASS
		VN	0	-2.60	-0.001383	± 2.5	PASS
		VN	10	-2.00	-0.001064	± 2.5	PASS
		VN	20	-2.30	-0.001223	± 2.5	PASS
		VN	30	-2.20	-0.001170	± 2.5	PASS
		VN	40	-1.80	-0.000957	± 2.5	PASS
		VN	50	-1.50	-0.000798	± 2.5	PASS
	HCH	VN	-30	-3.70	-0.001947	± 2.5	PASS
		VN	-20	-3.00	-0.001579	± 2.5	PASS
		VN	-10	-1.30	-0.000684	± 2.5	PASS
		VN	0	-1.60	-0.000842	± 2.5	PASS



		VN	10	-1.40	-0.000737	± 2.5	PASS
		VN	20	-2.30	-0.001211	± 2.5	PASS
		VN	30	-1.40	-0.000737	± 2.5	PASS
		VN	40	-2.20	-0.001158	± 2.5	PASS
		VN	50	-2.90	-0.001526	± 2.5	PASS