



Appendix A: Average Output Power Data

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.93	PASS
		1	12	22.89	PASS
		1	24	22.9	PASS
		12	0	21.96	PASS
		12	6	21.97	PASS
		12	13	21.95	PASS
		25	0	21.92	PASS
	MCH	1	0	23.03	PASS
		1	12	22.96	PASS
		1	24	22.93	PASS
		12	0	21.92	PASS
		12	6	21.99	PASS
		12	13	21.95	PASS
		25	0	21.92	PASS
	HCH	1	0	23.11	PASS
		1	12	23.16	PASS
		1	24	23.05	PASS
		12	0	22.28	PASS
		12	6	22.2	PASS
		12	13	22.19	PASS
		25	0	22.22	PASS
16QAM	LCH	1	0	22.38	PASS
		1	12	22.3	PASS
		1	24	22.31	PASS
		12	0	20.9	PASS
		12	6	20.91	PASS
		12	13	20.99	PASS
		25	0	20.95	PASS
	MCH	1	0	22.4	PASS
		1	12	22.37	PASS
		1	24	22.41	PASS
		12	0	20.89	PASS



		12	6	20.98	PASS
		12	13	20.92	PASS
		25	0	20.98	PASS
	HCH	1	0	22.68	PASS
		1	12	22.78	PASS
		1	24	22.58	PASS
		12	0	21.2	PASS
		12	6	21.12	PASS
		12	13	21.14	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	22.95	PASS
		1	24	22.83	PASS
		1	49	22.88	PASS
		25	0	21.99	PASS
		25	12	21.94	PASS
		25	25	21.93	PASS
		50	0	22.05	PASS
	MCH	1	0	22.87	PASS
		1	24	23.03	PASS
		1	49	22.91	PASS
		25	0	22.04	PASS
		25	12	21.95	PASS
		25	25	21.92	PASS
		50	0	21.97	PASS
	HCH	1	0	23.24	PASS
		1	24	23.28	PASS
		1	49	23.24	PASS
		25	0	22.29	PASS
		25	12	22.36	PASS
		25	25	22.31	PASS
		50	0	22.25	PASS
16QAM	LCH	1	0	22.41	PASS
		1	24	22.25	PASS
		1	49	22.22	PASS
		25	0	21.03	PASS
		25	12	21.02	PASS



		25	25	20.95	PASS
		50	0	21.05	PASS
	MCH	1	0	22.51	PASS
		1	24	22.09	PASS
		1	49	21.98	PASS
		25	0	21.04	PASS
		25	12	21.02	PASS
		25	25	20.95	PASS
		50	0	21.05	PASS
	HCH	1	0	22.26	PASS
		1	24	22.38	PASS
		1	49	22.8	PASS
		25	0	21.38	PASS
		25	12	21.36	PASS
		25	25	21.36	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	22.95	PASS
		1	37	22.96	PASS
		1	74	22.87	PASS
		36	0	21.97	PASS
		36	19	21.98	PASS
		36	39	21.96	PASS
		75	0	21.94	PASS
	MCH	1	0	22.95	PASS
		1	37	22.91	PASS
		1	74	22.93	PASS
		36	0	22.03	PASS
		36	19	21.99	PASS
		36	39	21.9	PASS
		75	0	21.95	PASS
	HCH	1	0	23.14	PASS
		1	37	23.32	PASS
		1	74	23.2	PASS
		36	0	22.34	PASS
		36	19	22.4	PASS
		36	39	22.29	PASS



		75	0	22.31	PASS
16QAM	LCH	1	0	22.5	PASS
		1	37	22.33	PASS
		1	74	21.94	PASS
		36	0	21.02	PASS
		36	19	20.97	PASS
		36	39	20.94	PASS
		75	0	20.99	PASS
	MCH	1	0	22.52	PASS
		1	37	22.45	PASS
		1	74	22.47	PASS
		36	0	20.95	PASS
		36	19	21	PASS
		36	39	20.98	PASS
		75	0	21.03	PASS
	HCH	1	0	22.62	PASS
		1	37	22.73	PASS
		1	74	22.8	PASS
		36	0	21.34	PASS
		36	19	21.29	PASS
		36	39	21.3	PASS
		75	0	21.31	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.04	PASS
		1	49	22.97	PASS
		1	99	22.89	PASS
		50	0	21.93	PASS
		50	25	21.98	PASS
		50	50	21.92	PASS
		100	0	21.96	PASS
	MCH	1	0	22.98	PASS
		1	49	23.01	PASS
		1	99	22.88	PASS
		50	0	22.02	PASS
		50	25	21.96	PASS
		50	50	21.94	PASS
		100	0	21.99	PASS



	HCH	1	0	23.34	PASS
		1	49	23.28	PASS
		1	99	23.24	PASS
		50	0	22.3	PASS
		50	25	22.34	PASS
		50	50	22.32	PASS
		100	0	22.37	PASS
16QAM	LCH	1	0	22.38	PASS
		1	49	22.35	PASS
		1	99	22.19	PASS
		50	0	20.98	PASS
		50	25	21.03	PASS
		50	50	20.98	PASS
		100	0	21.06	PASS
	MCH	1	0	22.29	PASS
		1	49	22.35	PASS
		1	99	22.3	PASS
		50	0	21.03	PASS
		50	25	21.05	PASS
		50	50	21.03	PASS
		100	0	21.08	PASS
	HCH	1	0	22.66	PASS
		1	49	22.63	PASS
		1	99	22.6	PASS
		50	0	21.34	PASS
		50	25	21.41	PASS
		50	50	21.3	PASS
		100	0	21.35	PASS



Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	4.11	<13	PASS
16QAM	MCH	1	0	4.81	<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	3.95	<13	PASS
16QAM	MCH	1	0	4.69	<13	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	3.9	<13	PASS
16QAM	MCH	1	0	4.46	<13	PASS

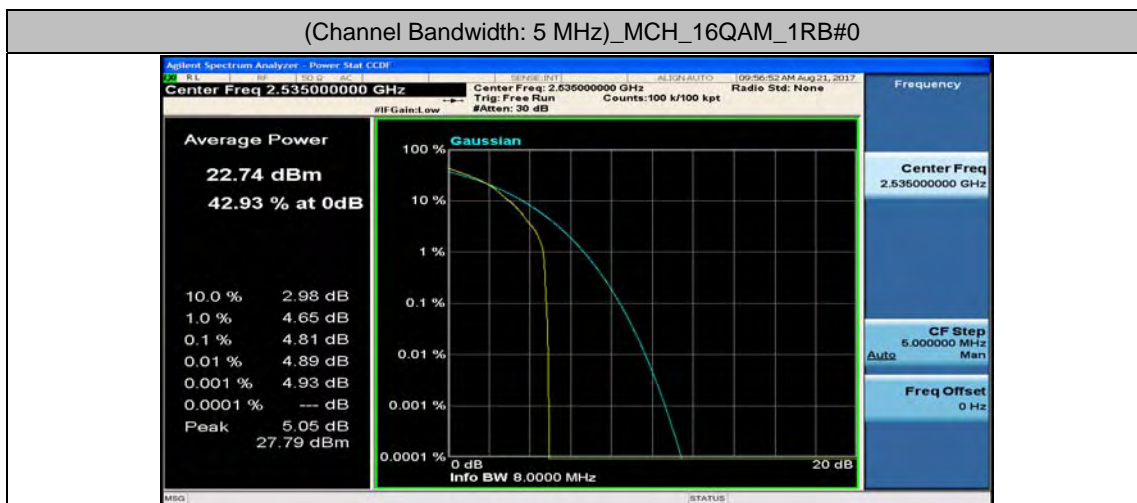
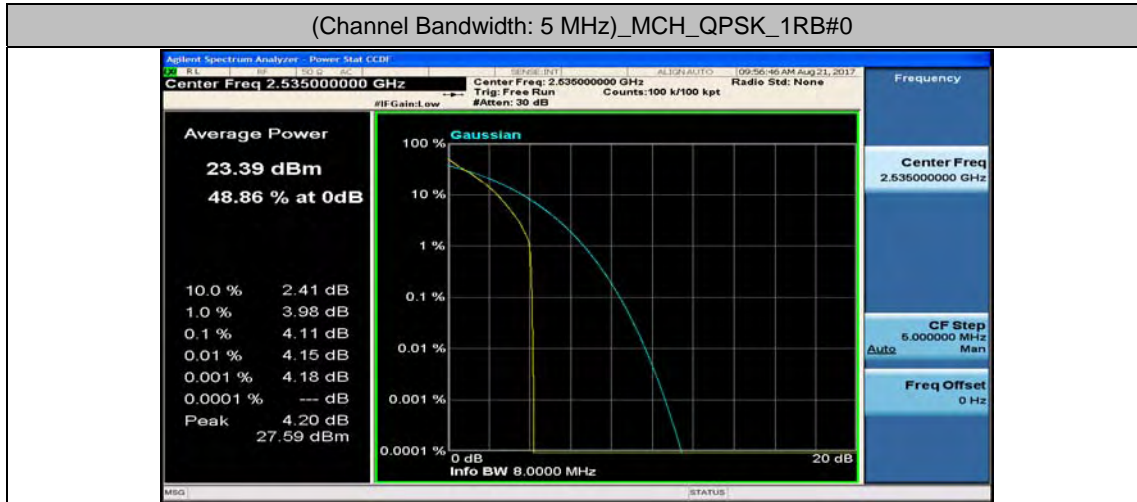
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	3.85	<13	PASS
16QAM	MCH	1	0	4.45	<13	PASS

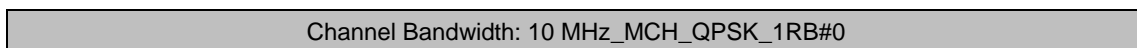


Test Graphs

Channel Bandwidth: 5 MHz

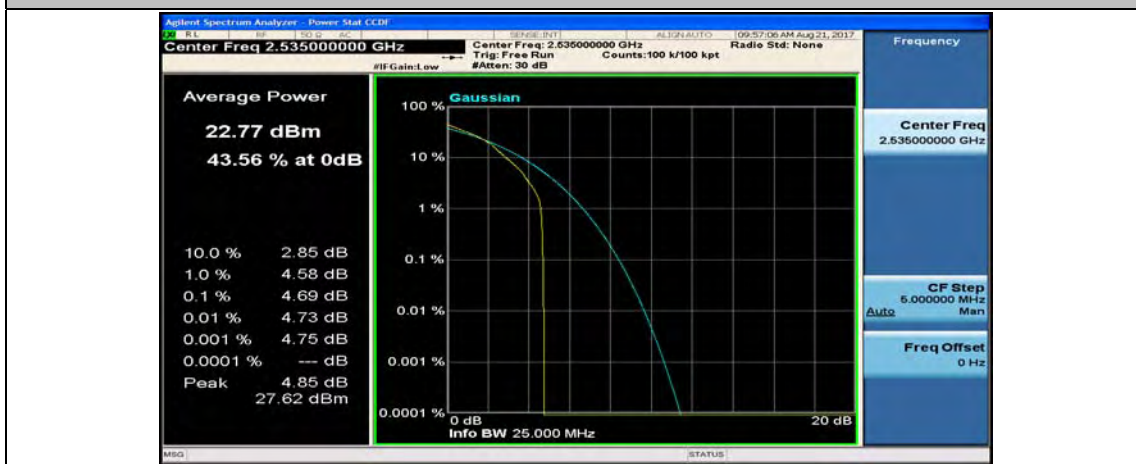


Channel Bandwidth: 10 MHz





Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 15 MHz

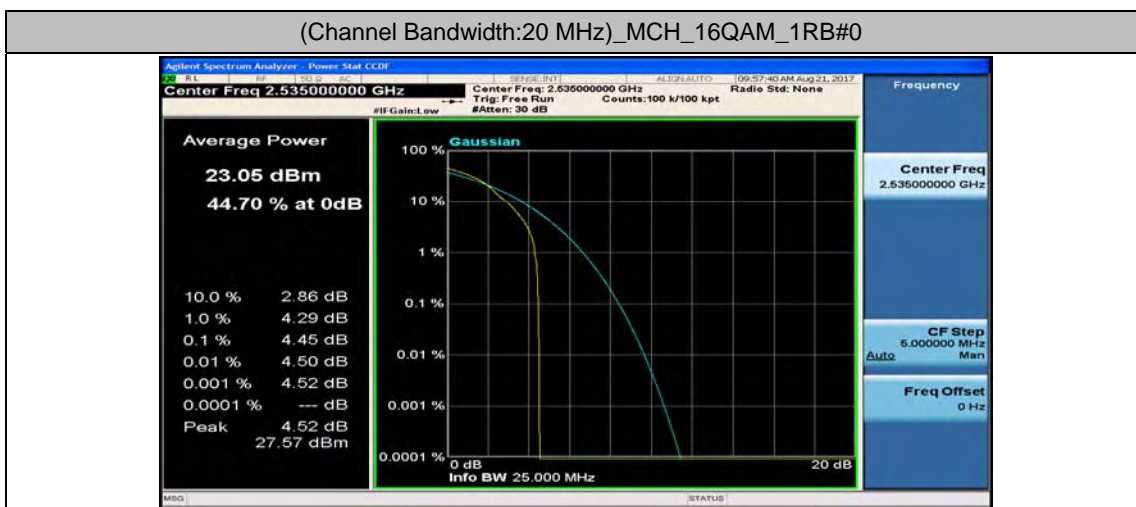
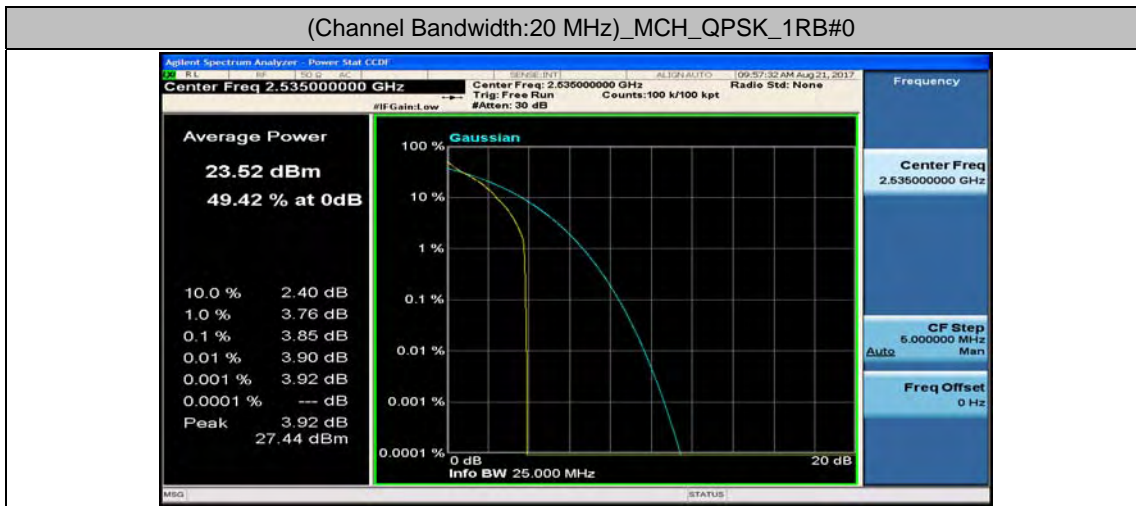
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(Channel Bandwidth: 15 MHz)_MCH_16QAM_1RB#0



Channel Bandwidth: 20 MHz





Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.471	4.712	PASS
	MCH	25	0	4.471	4.663	PASS
	HCH	25	0	4.471	4.679	PASS
16QAM	LCH	25	0	4.487	4.679	PASS
	MCH	25	0	4.487	4.728	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	8.910	9.295	PASS
	HCH	50	0	8.910	9.327	PASS
16QAM	LCH	50	0	8.942	9.327	PASS
	MCH	50	0	8.974	9.359	PASS
	HCH	50	0	8.942	9.295	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration	Occupied	26dB Bandwidth	Verdict	



		Size	Offset	Bandwidth (MHz)	(MHz)	
QPSK	LCH	75	0	13.413	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	14.231	PASS
	MCH	75	0	13.462	14.231	PASS
	HCH	75	0	13.413	14.183	PASS

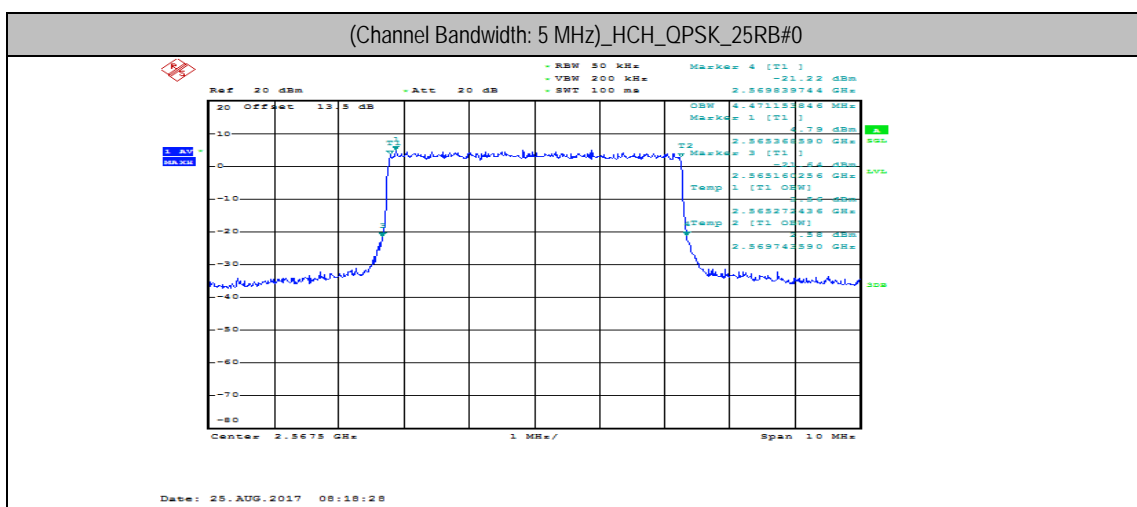
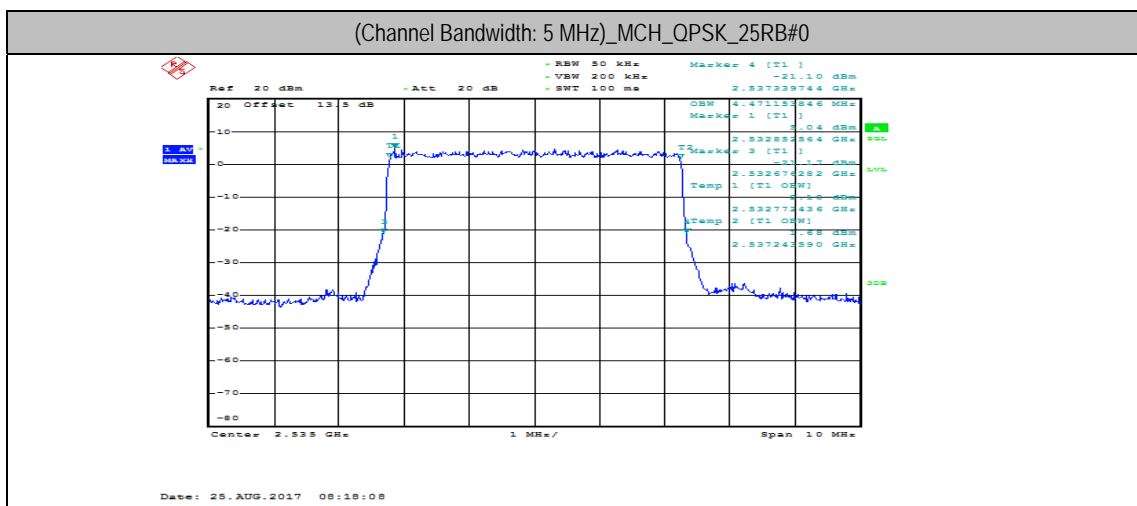
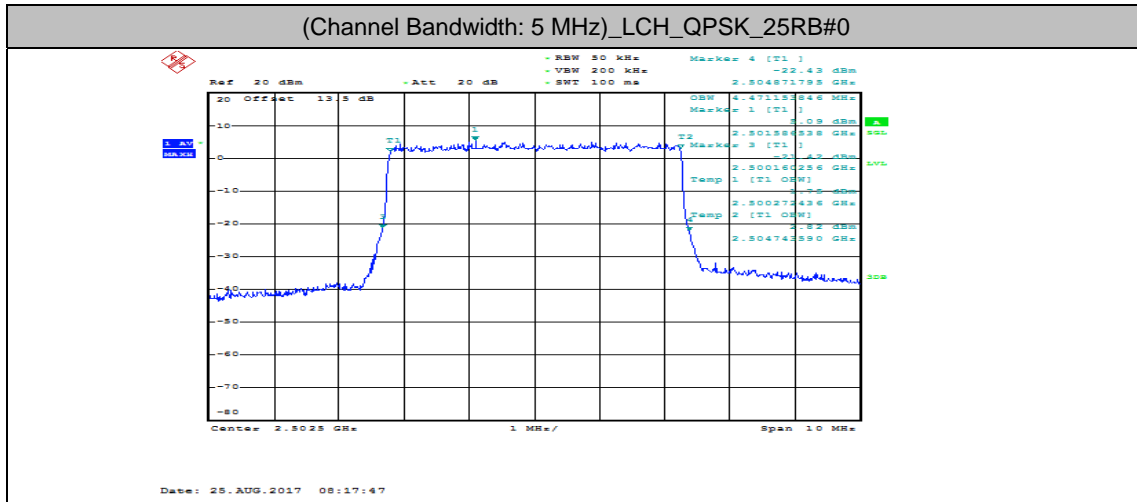
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.821	18.718	PASS
	MCH	100	0	17.821	18.718	PASS
	HCH	100	0	17.821	18.718	PASS
16QAM	LCH	100	0	17.821	18.718	PASS
	MCH	100	0	17.821	18.718	PASS
	HCH	100	0	17.821	18.718	PASS



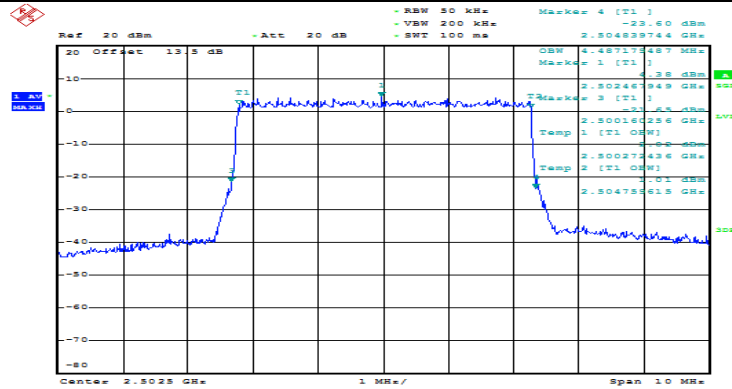
Test Graphs

Channel Bandwidth: 5 MHz



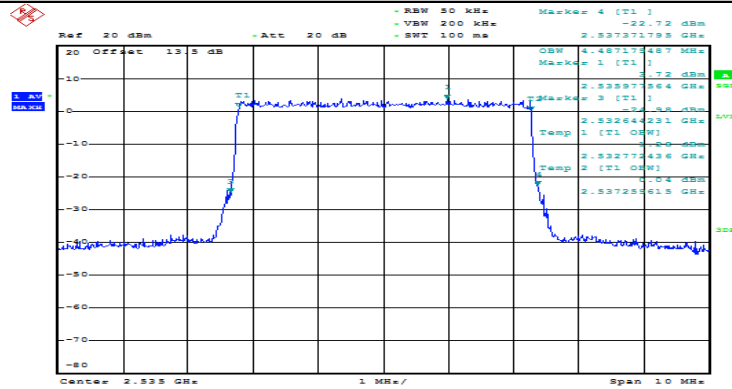


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



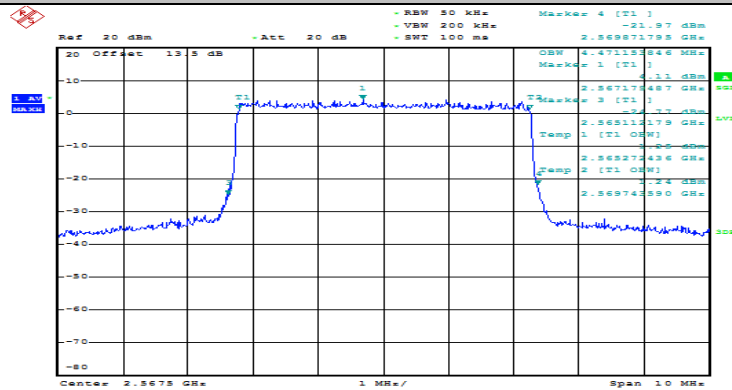
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



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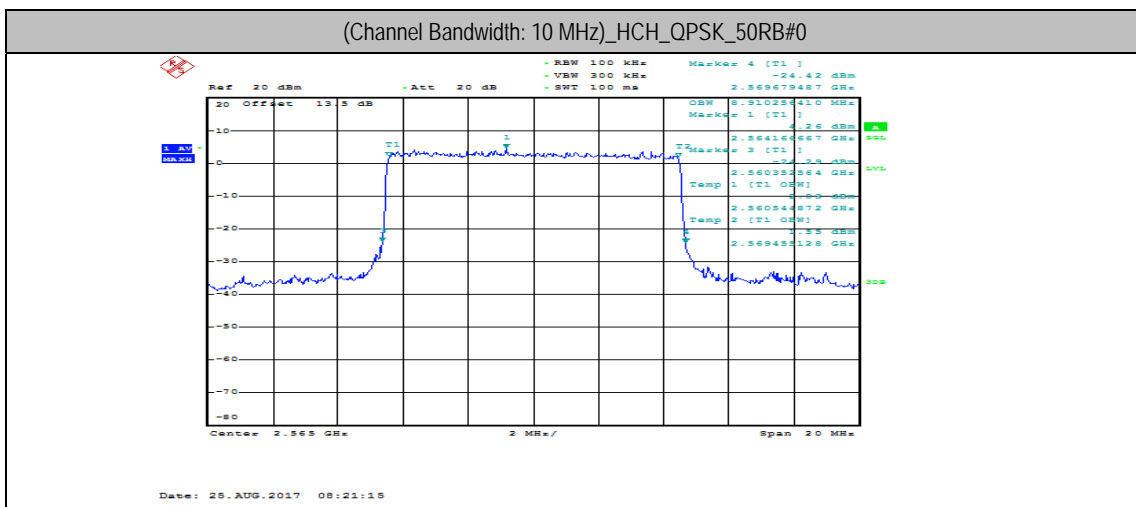
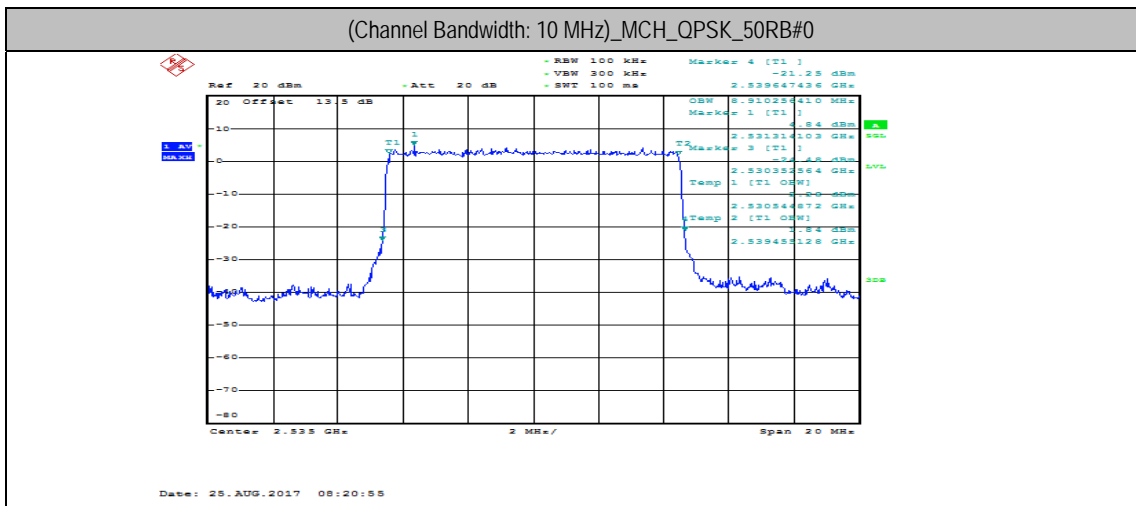
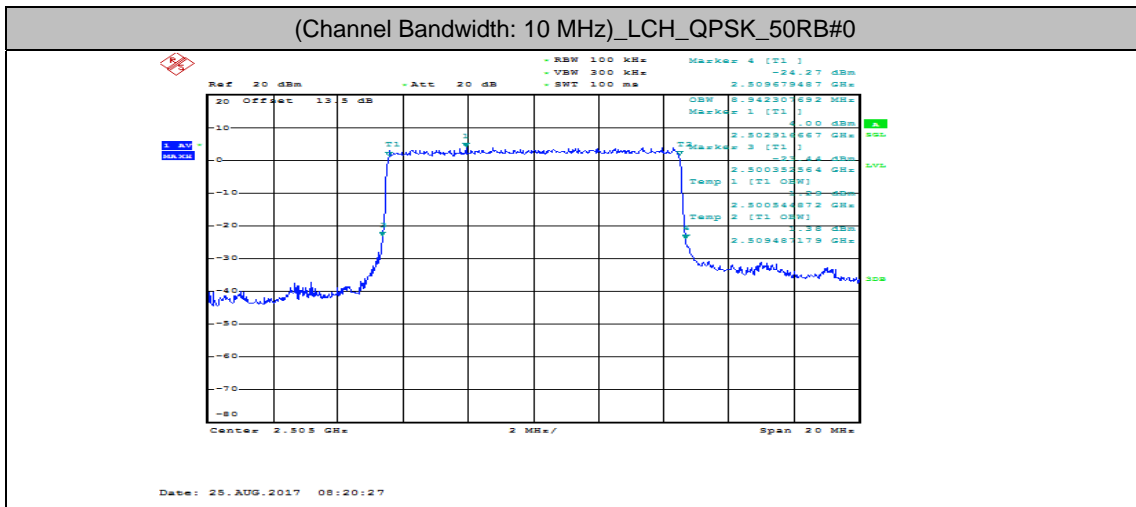
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Date: 25.AUG.2017 08:18:38

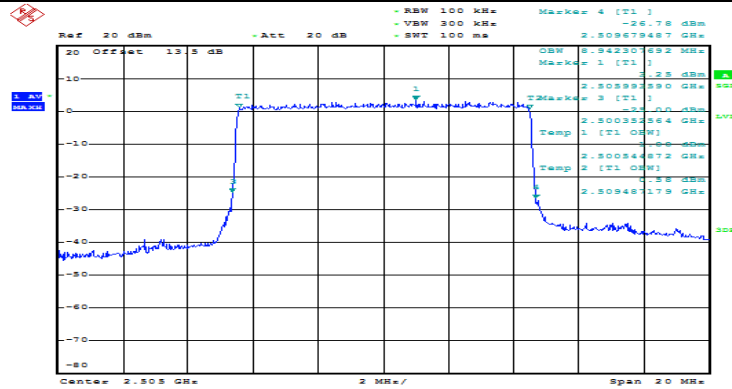


Channel Bandwidth: 10 MHz



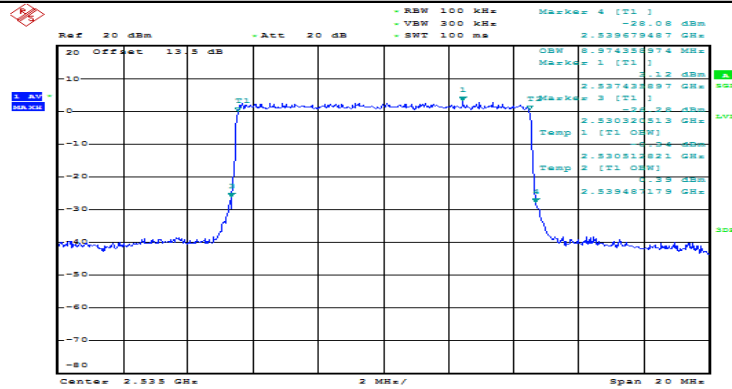


(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



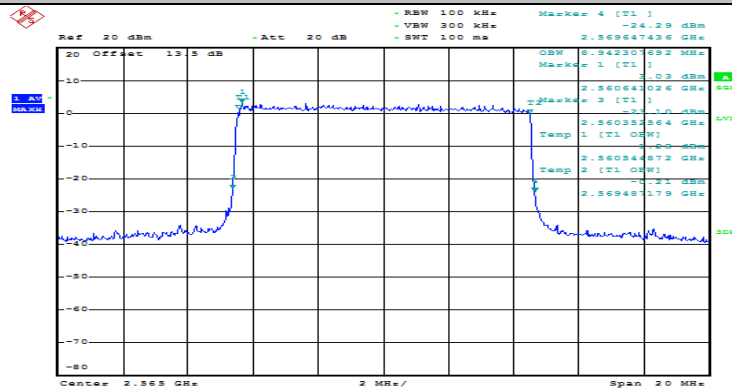
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(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



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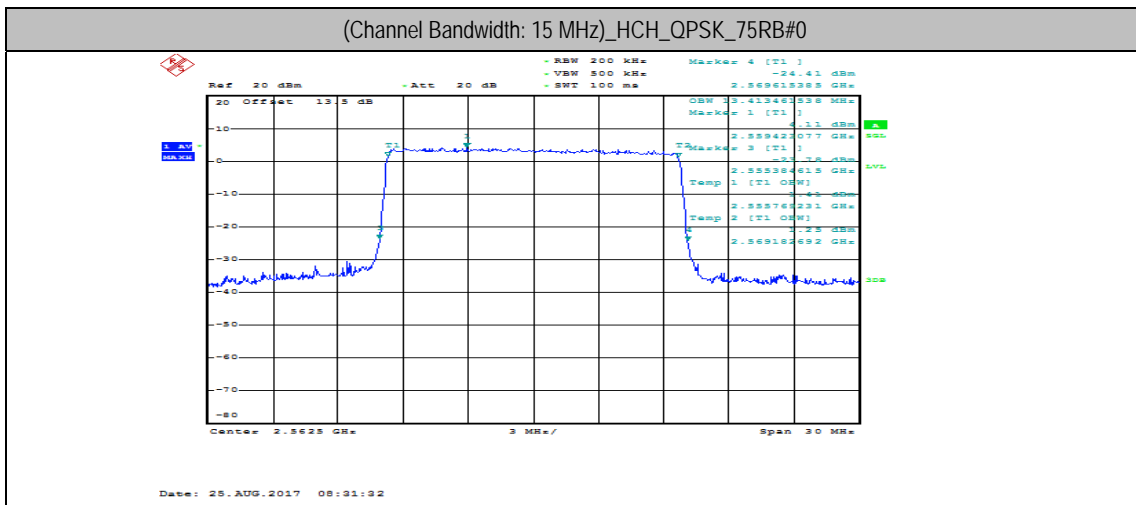
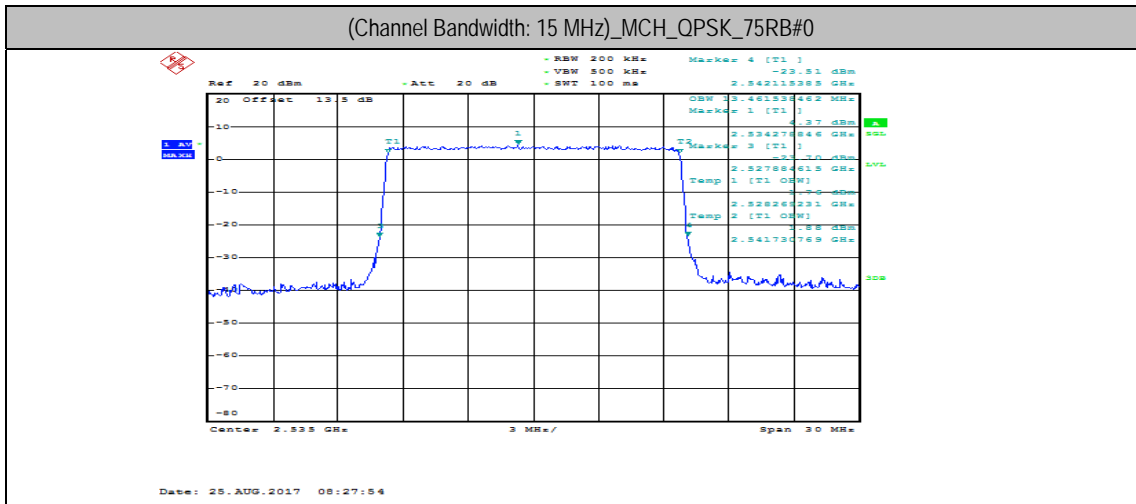
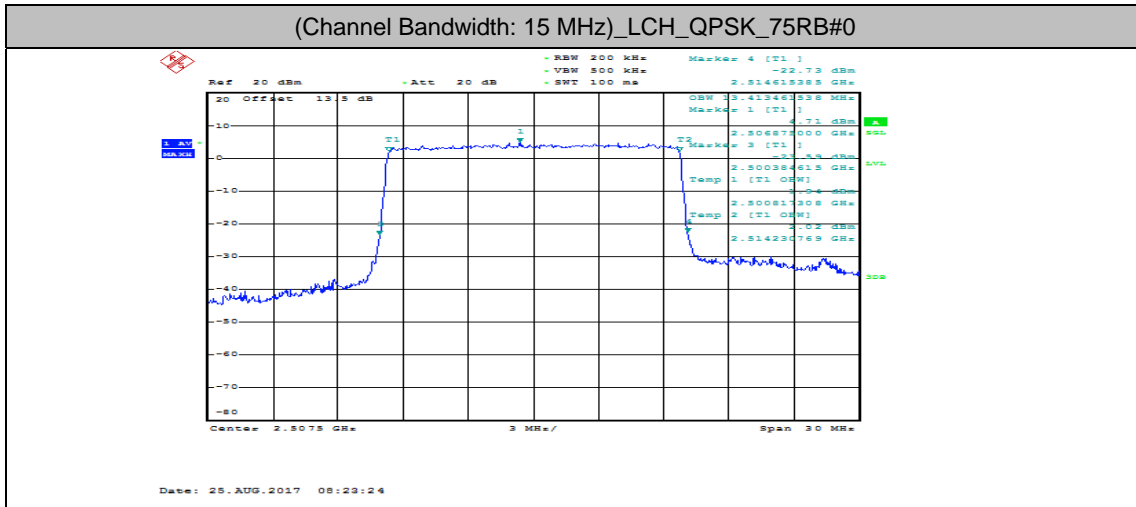
(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



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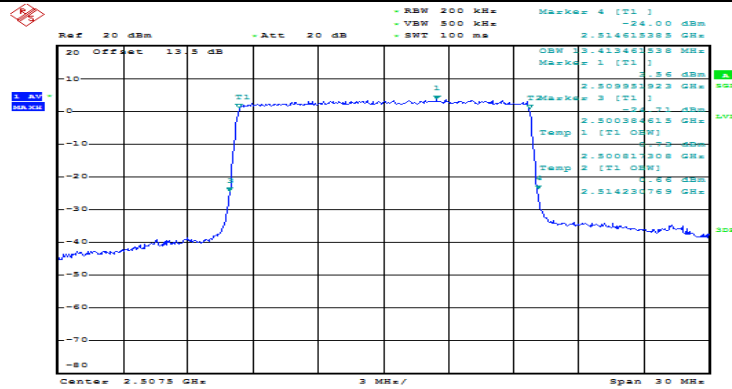


Channel Bandwidth: 15 MHz

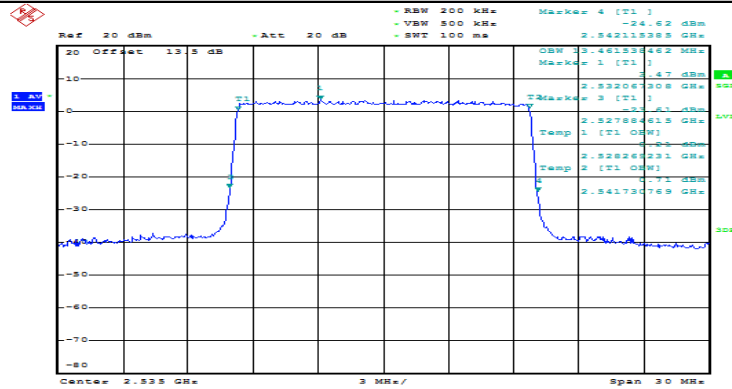




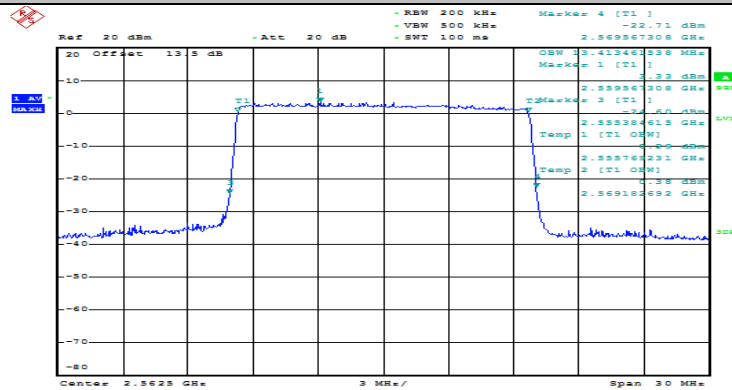
(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_16QAM_75RB#0

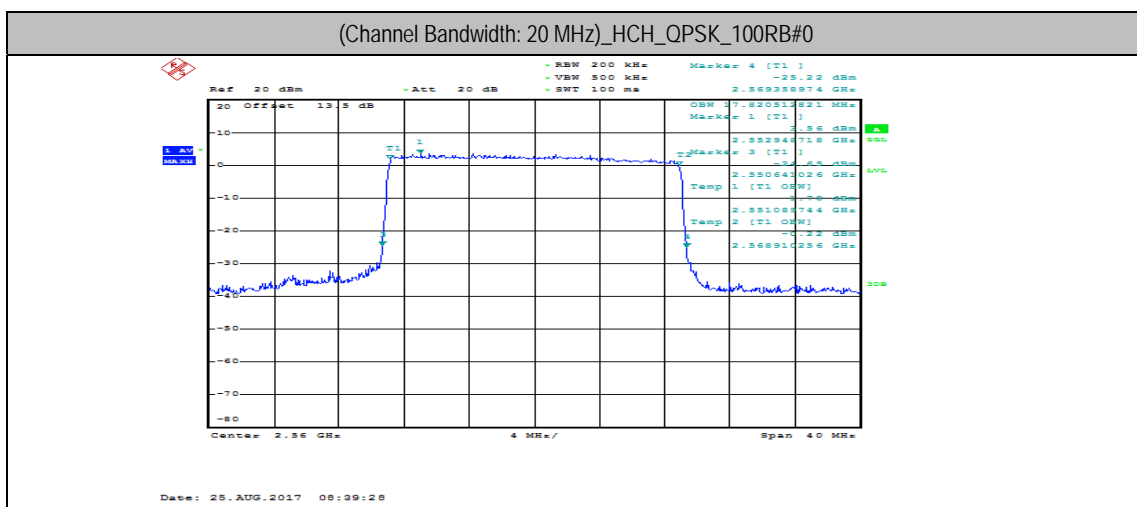
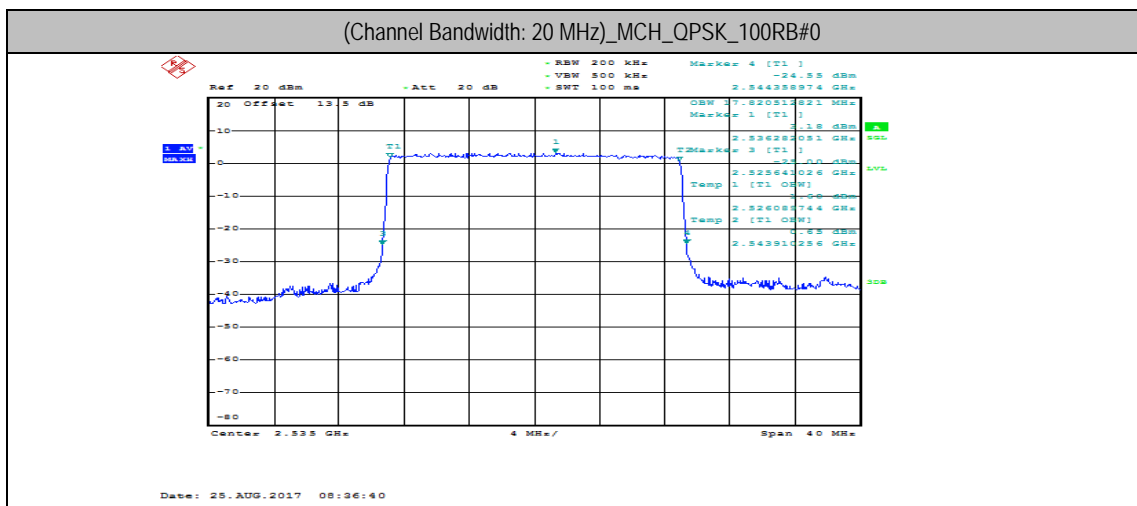
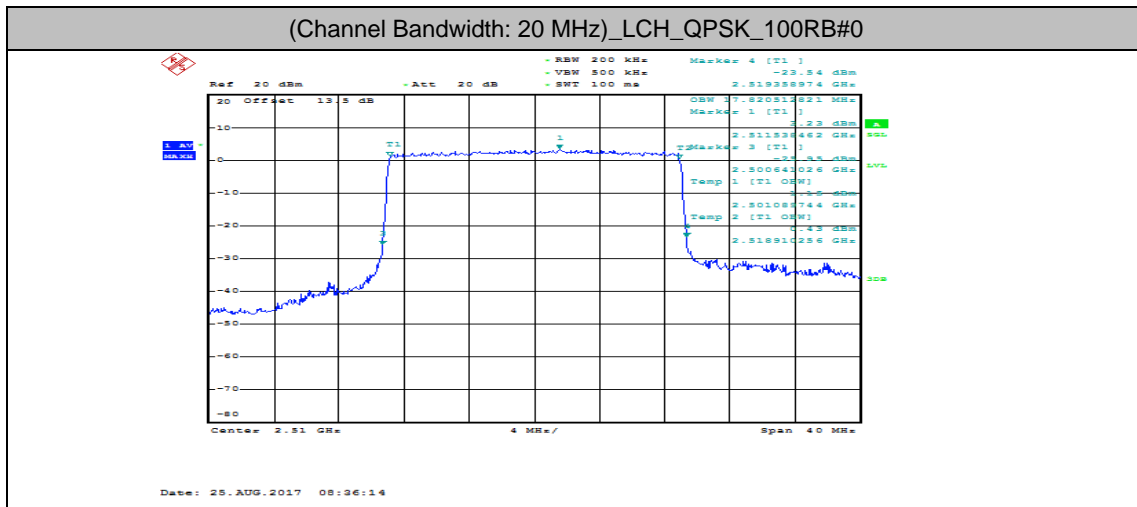


(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0



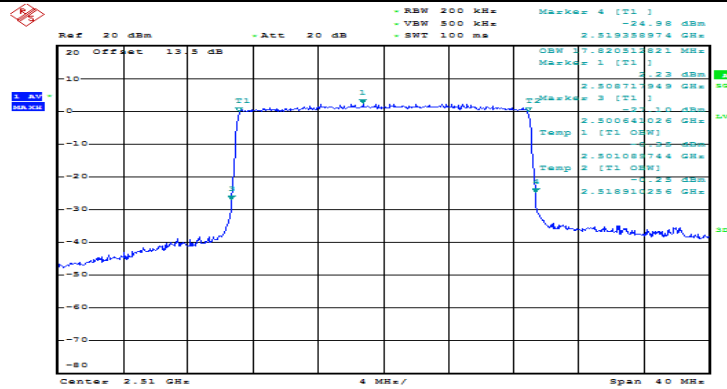


Channel Bandwidth: 20 MHz



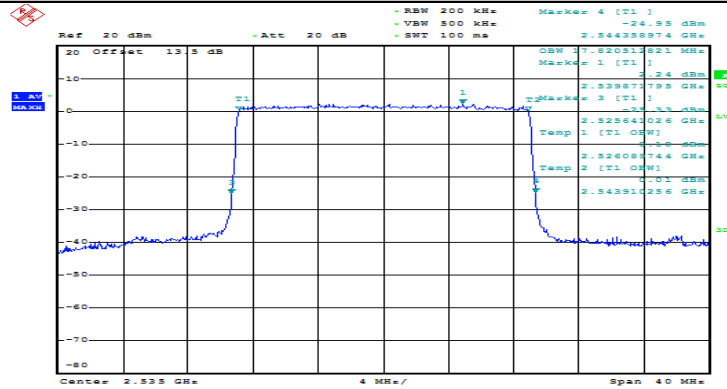


(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



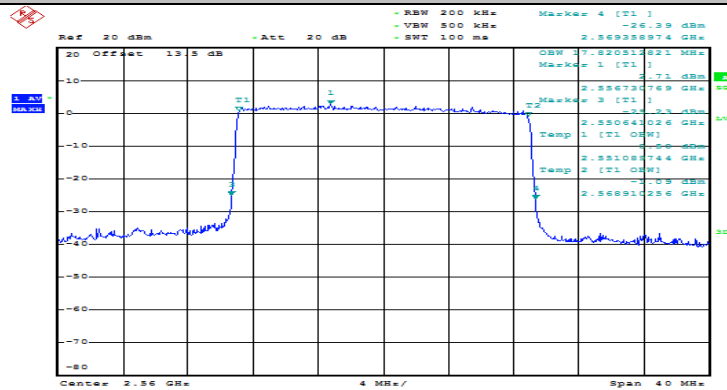
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(Channel Bandwidth: 20 MHz)_MCH_16QAM_100RB#0



Date: 25.AUG.2017 08:26:49

(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0



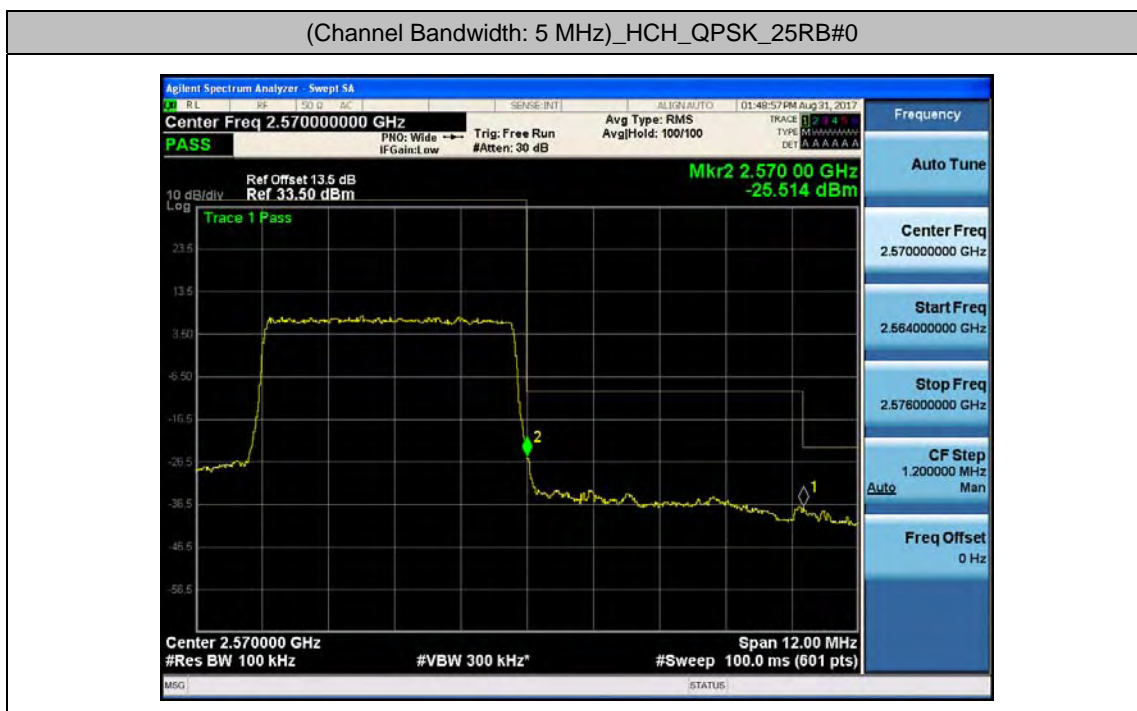
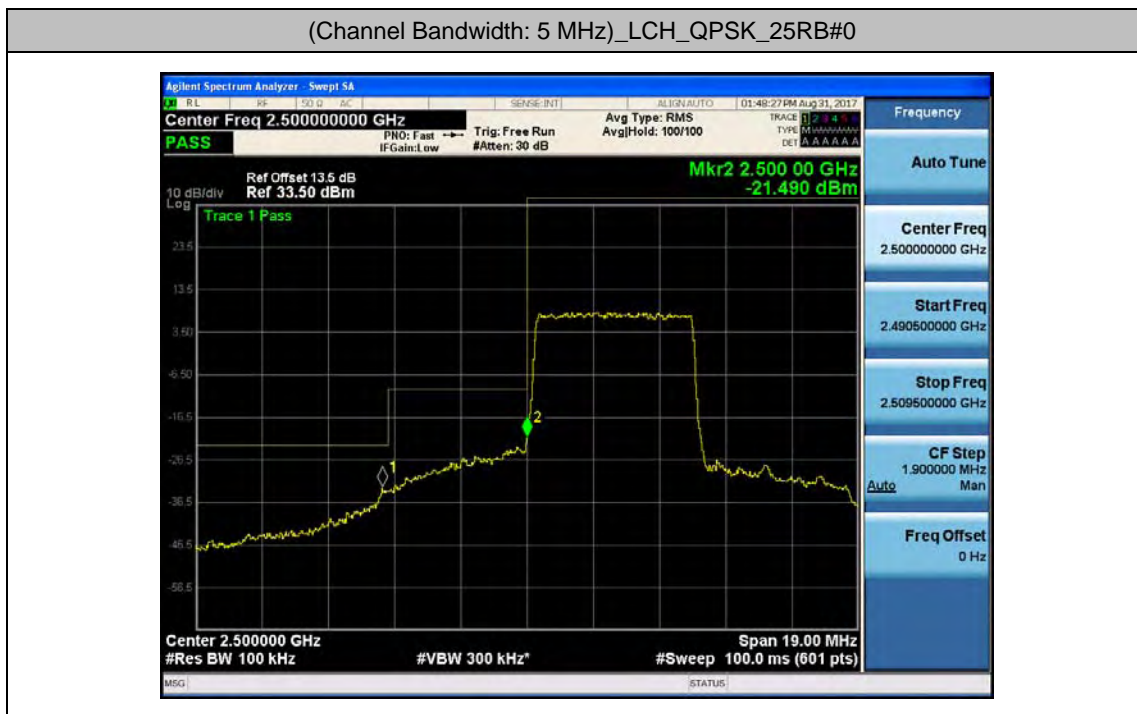
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Appendix D: Band Edge

Test Graphs

Channel Bandwidth: 5 MHz





(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

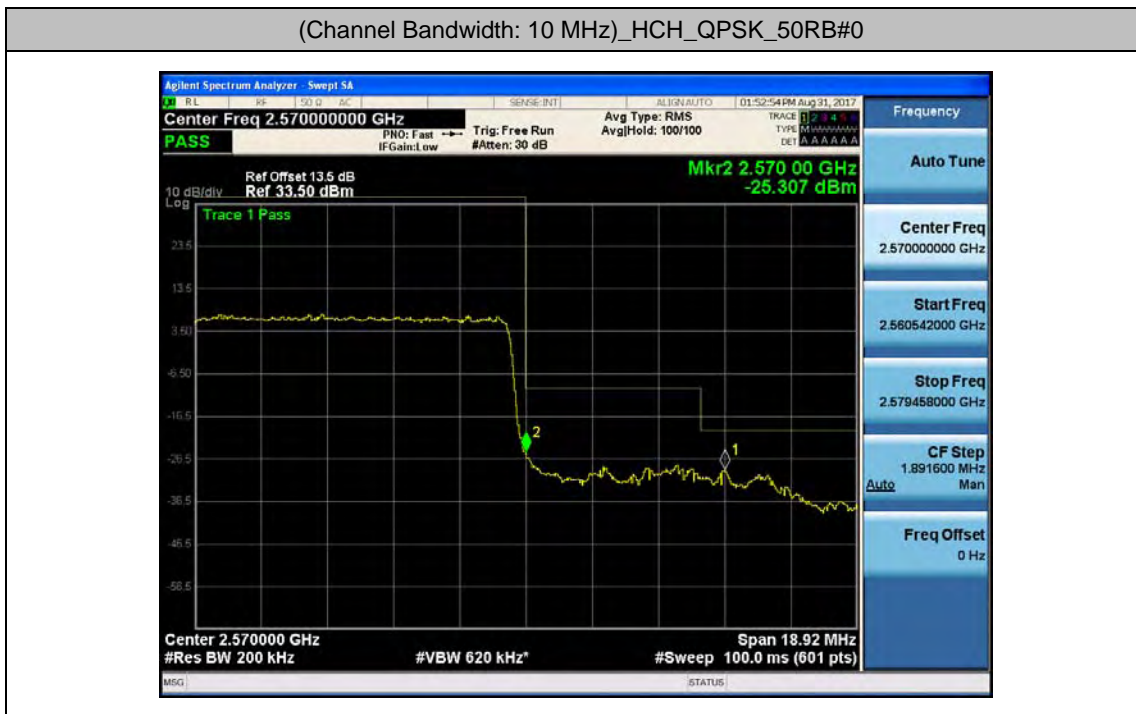


Channel Bandwidth: 10 MHz

(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0



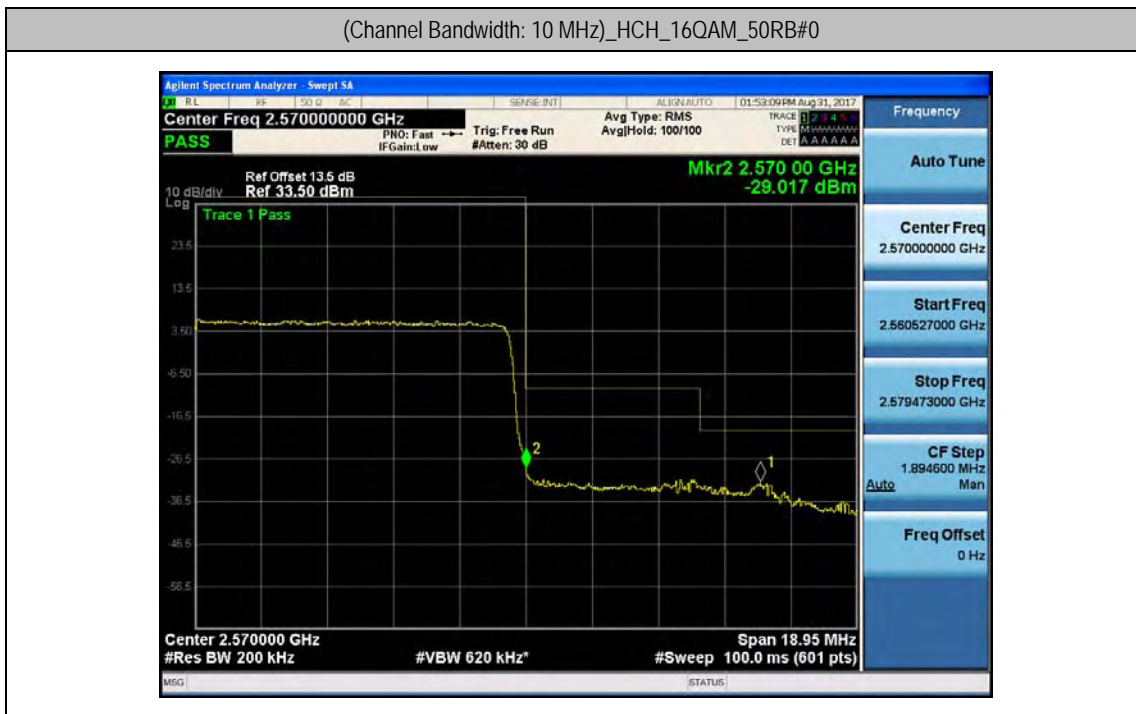
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(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0

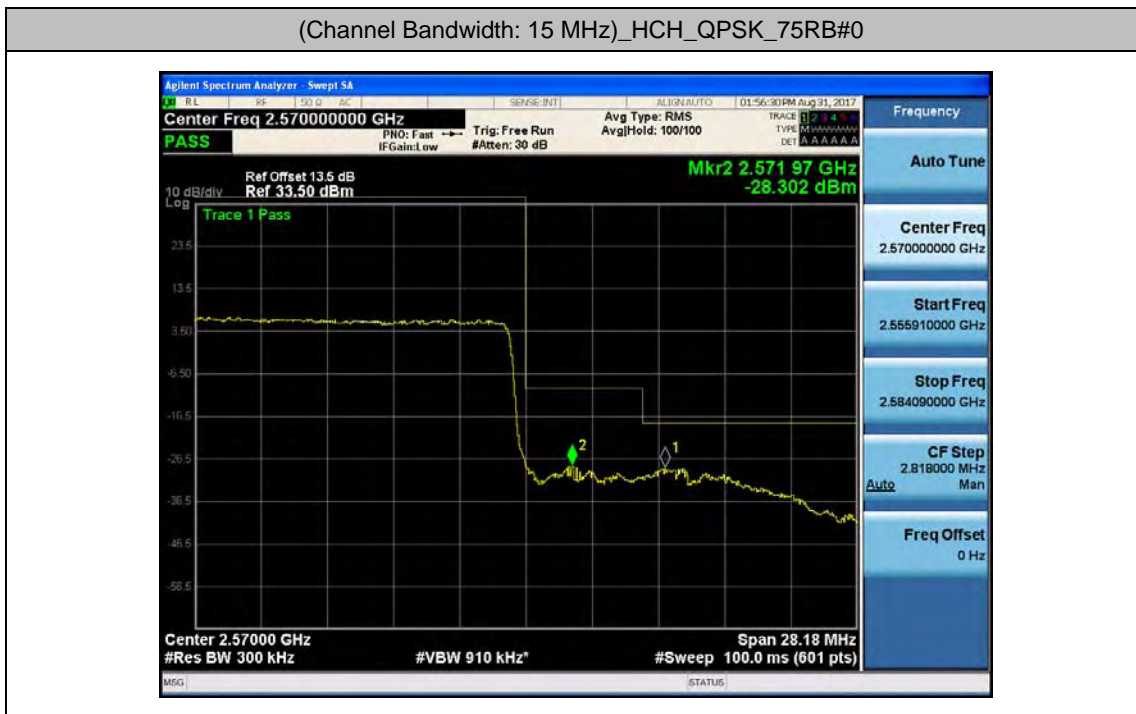


Channel Bandwidth: 15 MHz

(Channel Bandwidth: 15 MHz)_LCH_QPSK_75RB#0



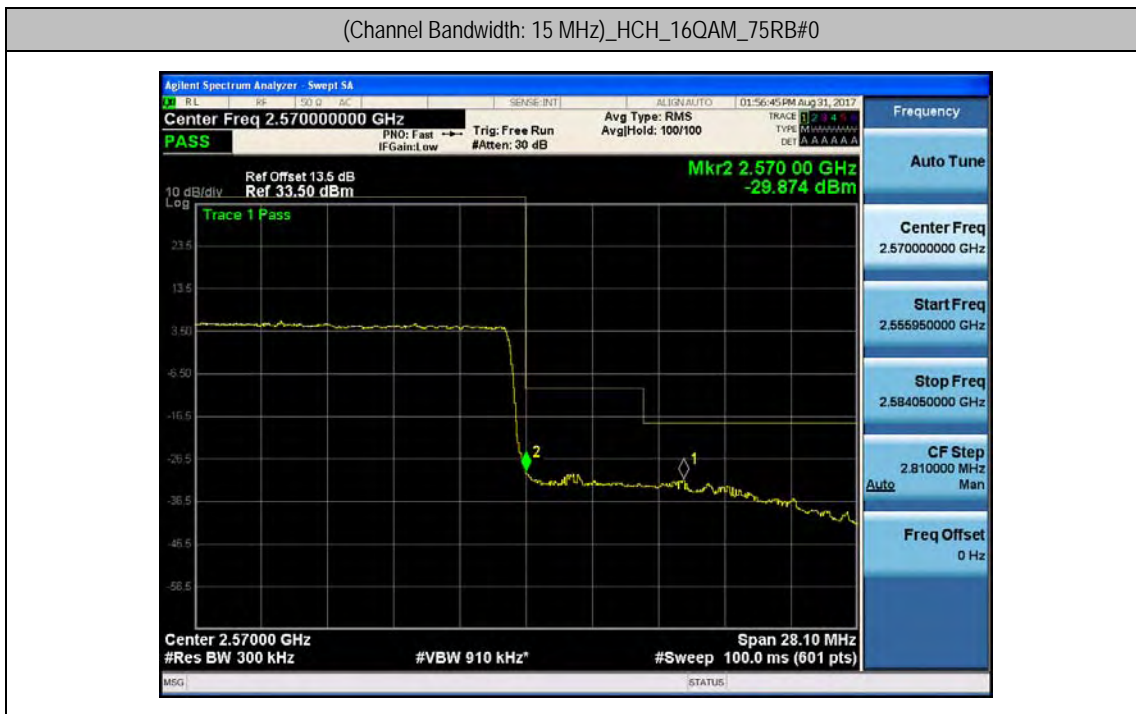
(Channel Bandwidth: 15 MHz)_HCH_QPSK_75RB#0



(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_100RB#0



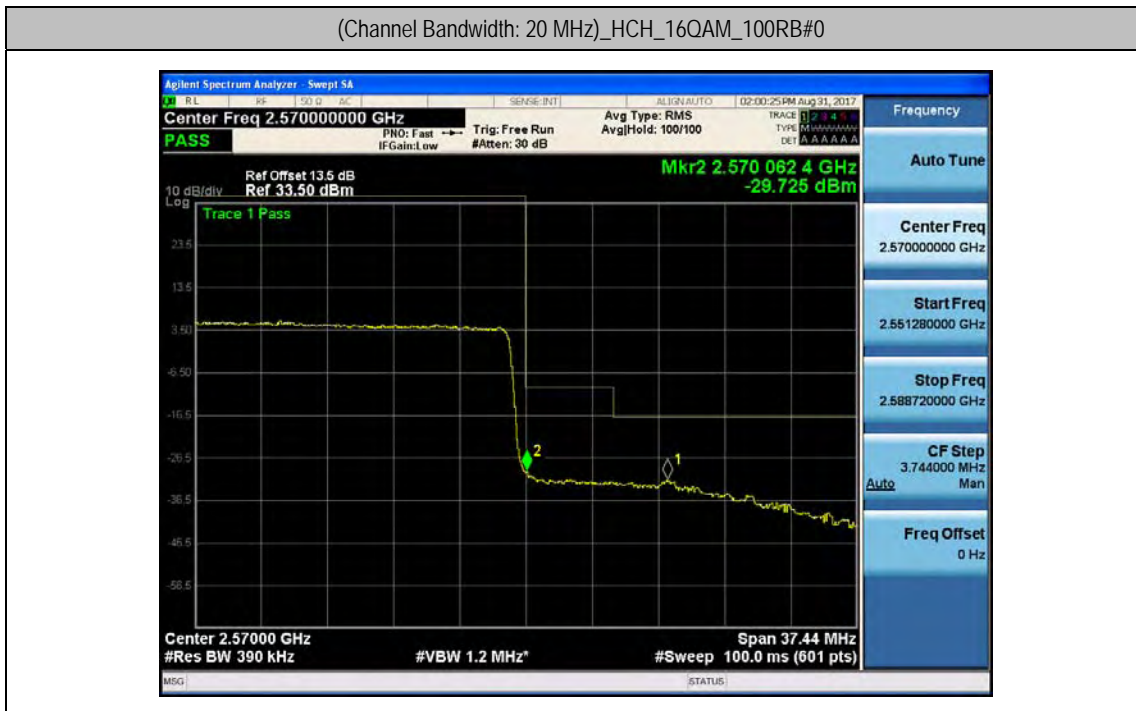
(Channel Bandwidth: 20 MHz)_HCH_QPSK_100RB#0



(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0

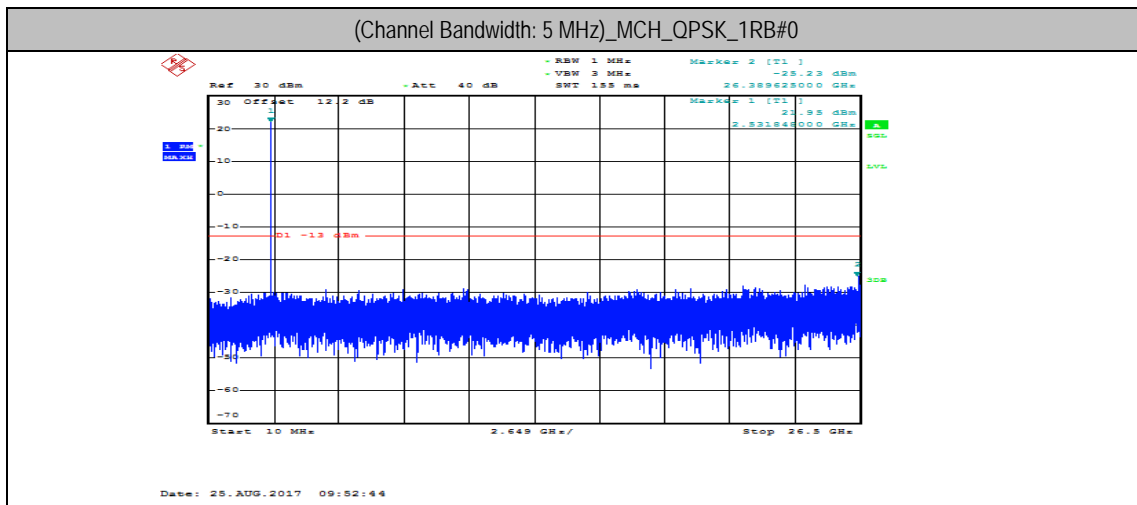
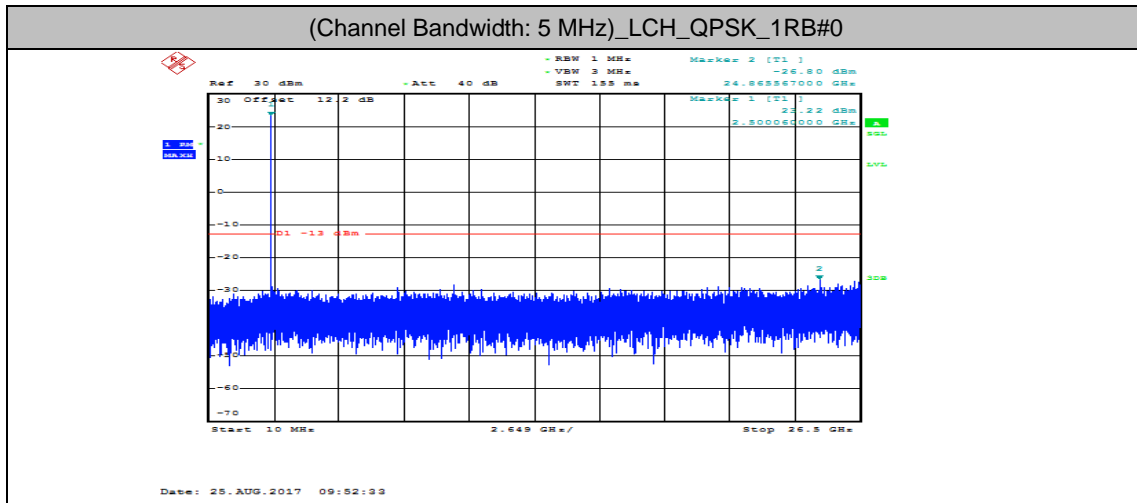


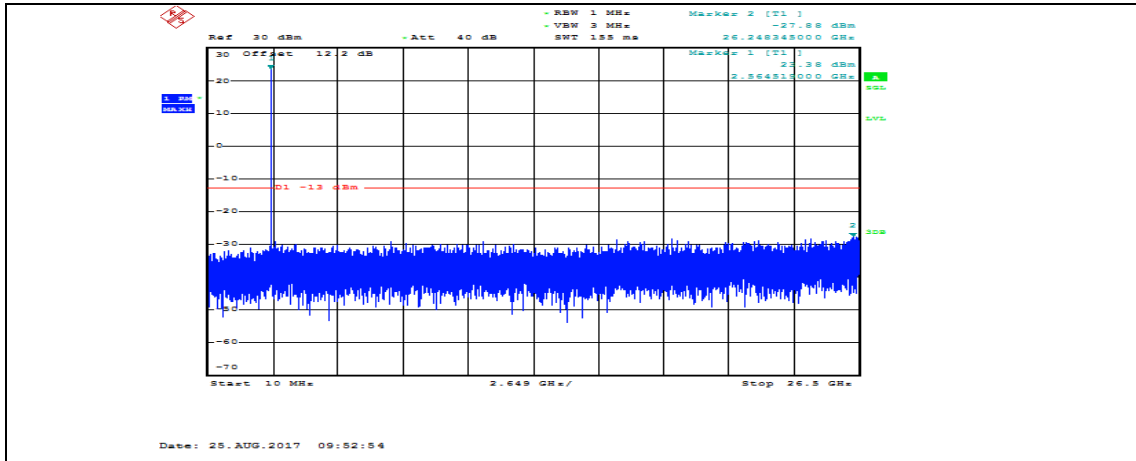


Appendix E: Conducted Spurious Emission

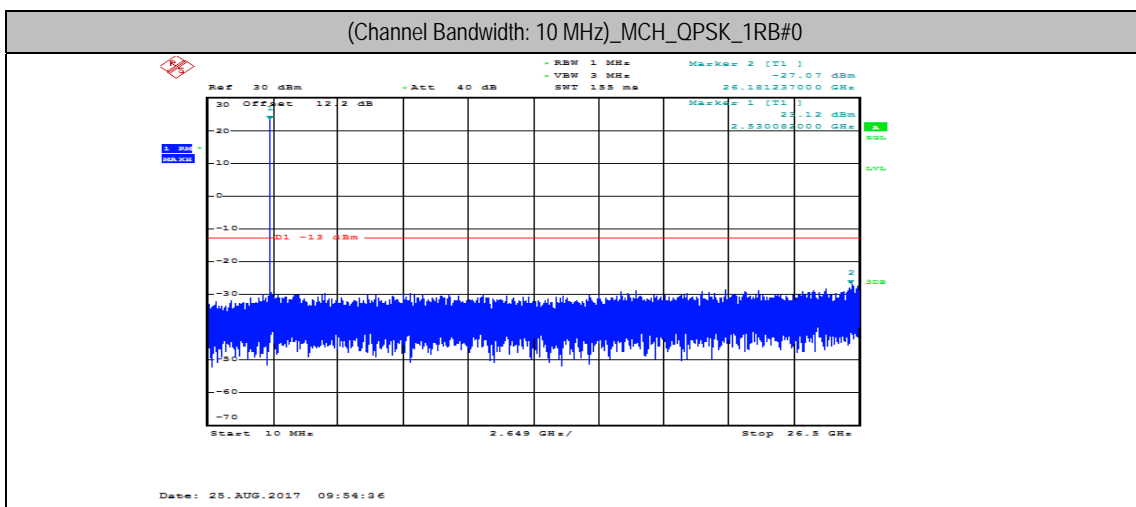
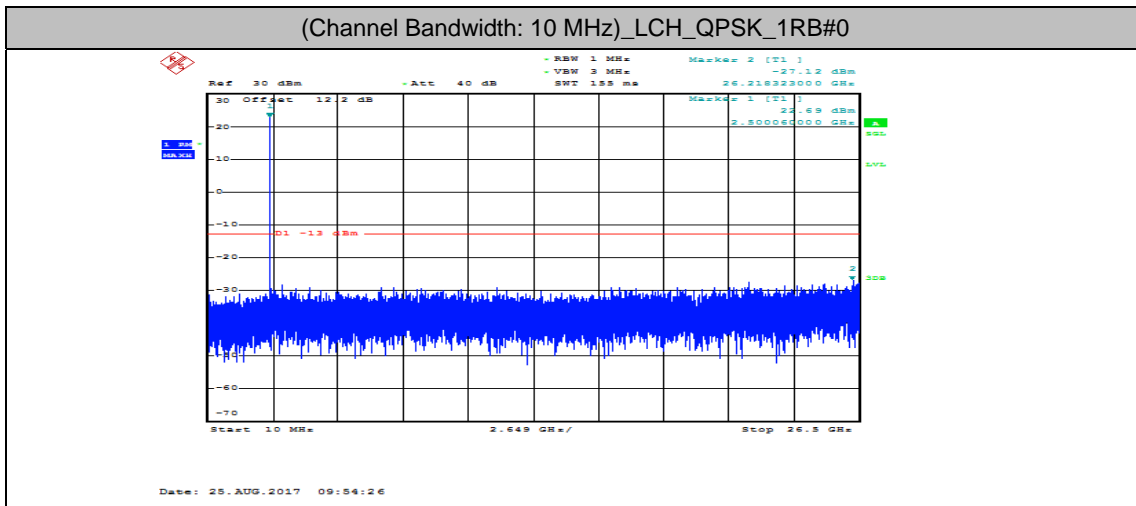
Test Graphs

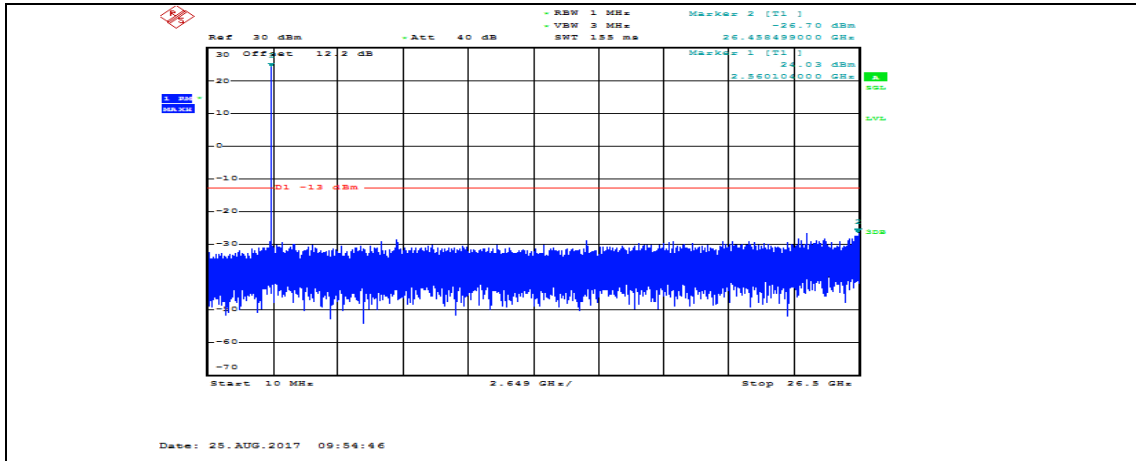
Channel Bandwidth: 5 MHz



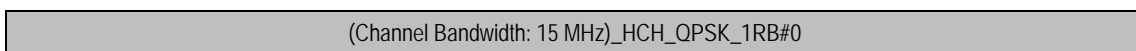
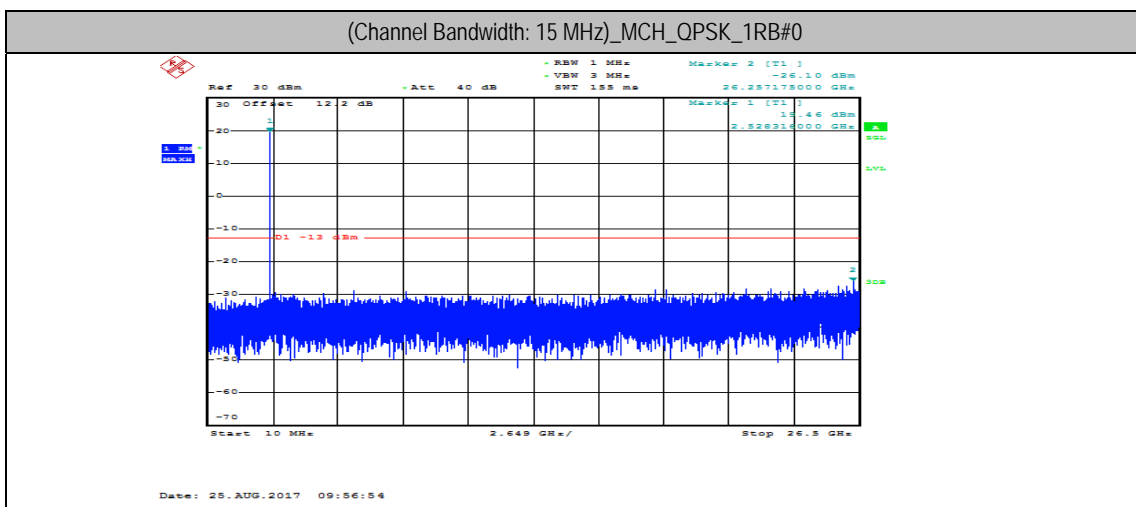
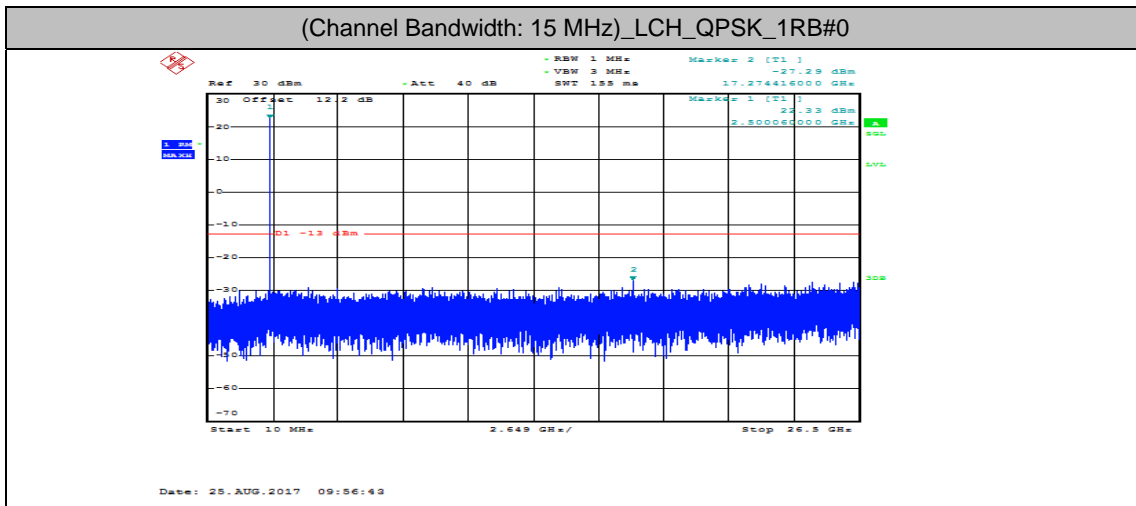


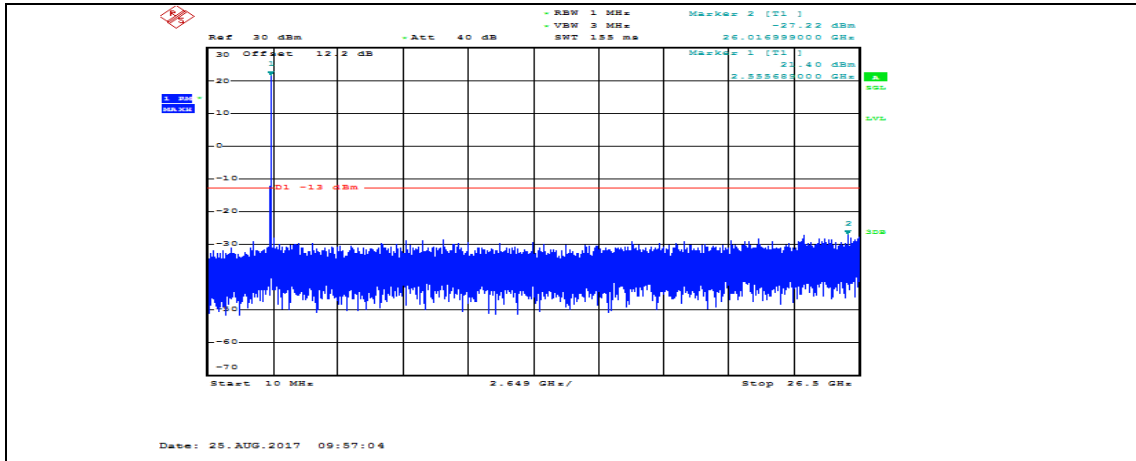
Channel Bandwidth: 10 MHz



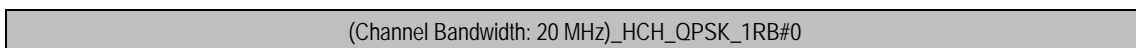
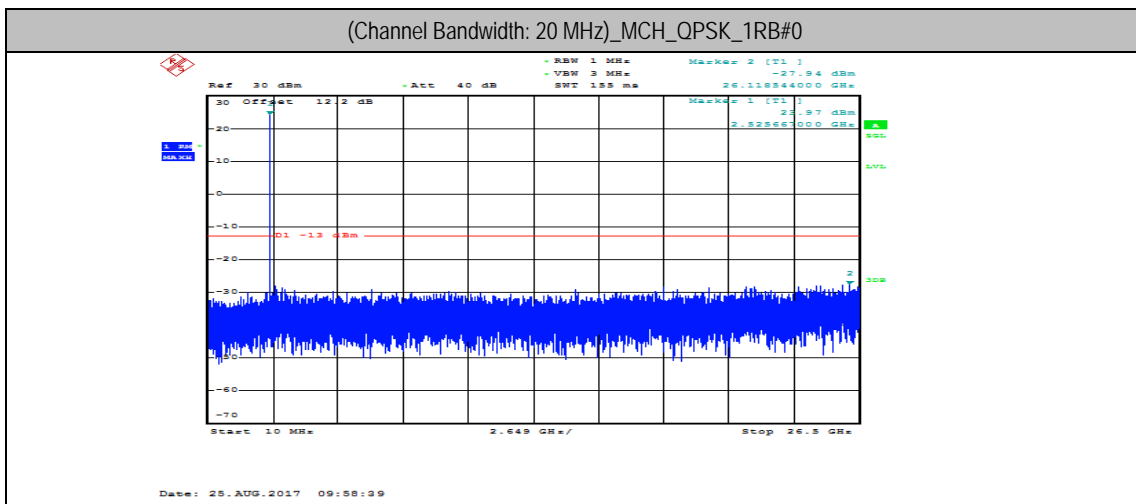
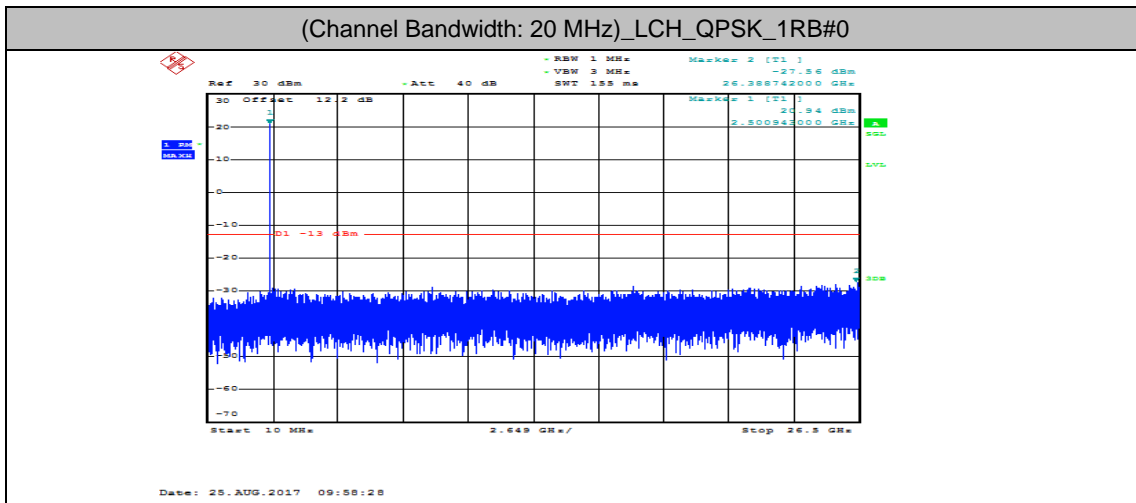


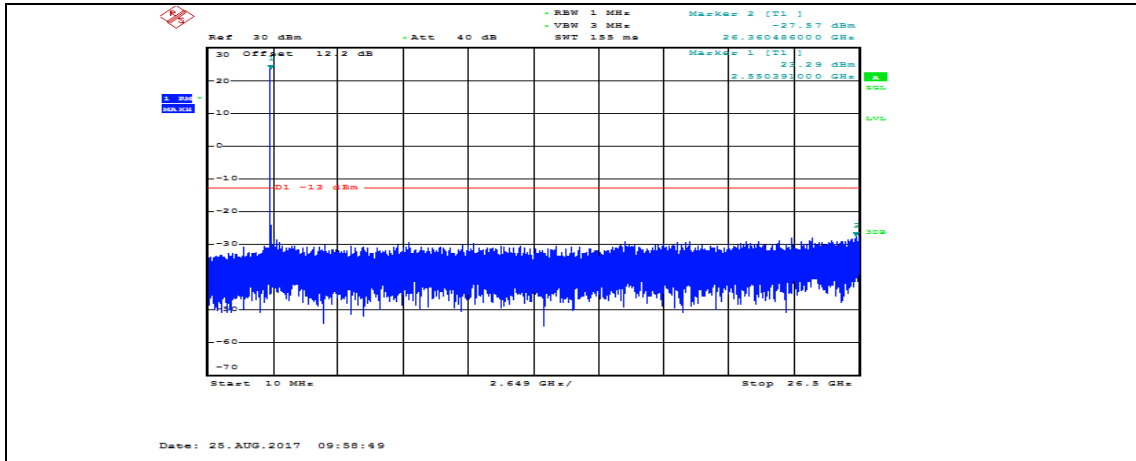
Channel Bandwidth: 15 MHz





Channel Bandwidth: 20 MHz





Appendix F: Frequency Stability

Test Result

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	0.000440	± 2.5	PASS
		VN	TN	1.40	0.000559	± 2.5	PASS
		VH	TN	3.90	0.001558	± 2.5	PASS
	MCH	VL	TN	-4.50	-0.001775	± 2.5	PASS
		VN	TN	-5.40	-0.002130	± 2.5	PASS
		VH	TN	-3.40	-0.001341	± 2.5	PASS
	HCH	VL	TN	1.00	0.000389	± 2.5	PASS
		VN	TN	1.80	0.000701	± 2.5	PASS
		VH	TN	5.00	0.001947	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.20	0.000480	± 2.5	PASS
		VN	-20	1.10	0.000440	± 2.5	PASS
		VN	-10	1.40	0.000559	± 2.5	PASS
		VN	0	5.40	0.002158	± 2.5	PASS
		VN	10	2.30	0.000919	± 2.5	PASS
		VN	20	3.10	0.001239	± 2.5	PASS
		VN	30	3.70	0.001479	± 2.5	PASS
		VN	40	1.20	0.000480	± 2.5	PASS
	MCH	VN	-30	-3.00	-0.001183	± 2.5	PASS
		VN	-20	-3.50	-0.001381	± 2.5	PASS
		VN	-10	-0.70	-0.000276	± 2.5	PASS



		VN	0	-2.50	-0.000986	± 2.5	PASS
		VN	10	-1.60	-0.000631	± 2.5	PASS
		VN	20	-0.10	-0.000039	± 2.5	PASS
		VN	30	-2.70	-0.001065	± 2.5	PASS
		VN	40	-2.40	-0.000947	± 2.5	PASS
		VN	50	-4.80	-0.001893	± 2.5	PASS
	HCH	VN	-30	4.50	0.001753	± 2.5	PASS
		VN	-20	4.70	0.001831	± 2.5	PASS
		VN	-10	5.00	0.001947	± 2.5	PASS
		VN	0	4.00	0.001558	± 2.5	PASS
		VN	10	3.20	0.001246	± 2.5	PASS
		VN	20	4.50	0.001753	± 2.5	PASS
		VN	30	4.60	0.001792	± 2.5	PASS
		VN	40	5.70	0.002220	± 2.5	PASS
VN	50	2.40	0.000935	± 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	-1.70	-0.000679	± 2.5	PASS
		VN	TN	-1.20	-0.000479	± 2.5	PASS
		VH	TN	-2.30	-0.000918	± 2.5	PASS
	MCH	VL	TN	-0.30	-0.000118	± 2.5	PASS
		VN	TN	4.20	0.001657	± 2.5	PASS
		VH	TN	-3.10	-0.001223	± 2.5	PASS
	HCH	VL	TN	1.40	0.000546	± 2.5	PASS
		VN	TN	5.20	0.002027	± 2.5	PASS
		VH	TN	-1.10	-0.000429	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-4.60	-0.001836	± 2.5	PASS
		VN	-20	-2.10	-0.000838	± 2.5	PASS
		VN	-10	-3.70	-0.001477	± 2.5	PASS
		VN	0	-3.30	-0.001317	± 2.5	PASS
		VN	10	-5.80	-0.002315	± 2.5	PASS
		VN	20	-0.80	-0.000319	± 2.5	PASS
		VN	30	-4.70	-0.001876	± 2.5	PASS
		VN	40	-1.00	-0.000399	± 2.5	PASS
		VN	50	-1.40	-0.000559	± 2.5	PASS
	MCH	VN	-30	-5.10	-0.002012	± 2.5	PASS
		VN	-20	-2.80	-0.001105	± 2.5	PASS
		VN	-10	-3.30	-0.001302	± 2.5	PASS
		VN	0	-2.90	-0.001144	± 2.5	PASS
		VN	10	-2.70	-0.001065	± 2.5	PASS



		VN	20	-1.50	-0.000592	± 2.5	PASS
		VN	30	-2.80	-0.001105	± 2.5	PASS
		VN	40	-2.20	-0.000868	± 2.5	PASS
		VN	50	-4.10	-0.001617	± 2.5	PASS
	HCH	VN	-30	-1.60	-0.000624	± 2.5	PASS
		VN	-20	0.90	0.000351	± 2.5	PASS
		VN	-10	-0.70	-0.000273	± 2.5	PASS
		VN	0	0.70	0.000273	± 2.5	PASS
		VN	10	2.80	0.001092	± 2.5	PASS
		VN	20	0.50	0.000195	± 2.5	PASS
		VN	30	0.60	0.000234	± 2.5	PASS
		VN	40	-1.80	-0.000702	± 2.5	PASS
		VN	50	-0.80	-0.000312	± 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	-0.90	-0.000359	± 2.5	PASS
		VN	TN	1.20	0.000479	± 2.5	PASS
		VH	TN	0.60	0.000239	± 2.5	PASS
	MCH	VL	TN	-5.10	-0.002012	± 2.5	PASS
		VN	TN	1.70	0.000671	± 2.5	PASS
		VH	TN	-1.90	-0.000750	± 2.5	PASS
	HCH	VL	TN	2.10	0.000820	± 2.5	PASS
		VN	TN	11.30	0.004410	± 2.5	PASS
		VH	TN	1.90	0.000741	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.10	0.000837	± 2.5	PASS
		VN	-20	1.30	0.000518	± 2.5	PASS
		VN	-10	-3.30	-0.001316	± 2.5	PASS
		VN	0	1.30	0.000518	± 2.5	PASS
		VN	10	0.40	0.000160	± 2.5	PASS
		VN	20	-0.80	-0.000319	± 2.5	PASS
		VN	30	-0.40	-0.000160	± 2.5	PASS
		VN	40	-0.10	-0.000040	± 2.5	PASS
		VN	50	-2.80	-0.001117	± 2.5	PASS
	MCH	VN	-30	-4.90	-0.001933	± 2.5	PASS
		VN	-20	-2.70	-0.001065	± 2.5	PASS
		VN	-10	-3.10	-0.001223	± 2.5	PASS
		VN	0	-3.70	-0.001460	± 2.5	PASS
		VN	10	-3.30	-0.001302	± 2.5	PASS
		VN	20	-5.30	-0.002091	± 2.5	PASS
		VN	30	-4.70	-0.001854	± 2.5	PASS



		VN	40	-1.90	-0.000750	± 2.5	PASS
		VN	50	-3.10	-0.001223	± 2.5	PASS
	HCH	VN	-30	4.00	0.001561	± 2.5	PASS
		VN	-20	5.50	0.002146	± 2.5	PASS
		VN	-10	4.10	0.001600	± 2.5	PASS
		VN	0	4.30	0.001678	± 2.5	PASS
		VN	10	3.70	0.001444	± 2.5	PASS
		VN	20	4.80	0.001873	± 2.5	PASS
		VN	30	3.80	0.001483	± 2.5	PASS
		VN	40	4.80	0.001873	± 2.5	PASS
		VN	50	1.20	0.000468	± 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	0.30	0.000120	± 2.5	PASS
		VN	TN	1.30	0.000518	± 2.5	PASS
		VH	TN	0.90	0.000359	± 2.5	PASS
	MCH	VL	TN	-7.20	-0.002840	± 2.5	PASS
		VN	TN	2.60	0.001026	± 2.5	PASS
		VH	TN	-2.90	-0.001144	± 2.5	PASS
	HCH	VL	TN	3.30	0.001289	± 2.5	PASS
		VN	TN	7.10	0.002773	± 2.5	PASS
		VH	TN	4.50	0.001758	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.10	0.001235	± 2.5	PASS
		VN	-20	3.10	0.001235	± 2.5	PASS
		VN	-10	3.60	0.001434	± 2.5	PASS
		VN	0	0.40	0.000159	± 2.5	PASS
		VN	10	0.90	0.000359	± 2.5	PASS
		VN	20	1.50	0.000598	± 2.5	PASS
		VN	30	4.40	0.001753	± 2.5	PASS
		VN	40	0.60	0.000239	± 2.5	PASS
		VN	50	-0.50	-0.000199	± 2.5	PASS
	MCH	VN	-30	-1.60	-0.000631	± 2.5	PASS
		VN	-20	-3.90	-0.001538	± 2.5	PASS
		VN	-10	-1.60	-0.000631	± 2.5	PASS
		VN	0	-5.20	-0.002051	± 2.5	PASS
		VN	10	-3.30	-0.001302	± 2.5	PASS
		VN	20	-3.70	-0.001460	± 2.5	PASS
		VN	30	-5.20	-0.002051	± 2.5	PASS
		VN	40	-2.60	-0.001026	± 2.5	PASS
		VN	50	-0.40	-0.000158	± 2.5	PASS



HCH	VN	-30	2.60	0.001016	± 2.5	PASS
	VN	-20	0.70	0.000273	± 2.5	PASS
	VN	-10	3.20	0.001250	± 2.5	PASS
	VN	0	2.20	0.000859	± 2.5	PASS
	VN	10	2.80	0.001094	± 2.5	PASS
	VN	20	3.20	0.001250	± 2.5	PASS
	VN	30	3.10	0.001211	± 2.5	PASS
	VN	40	0.50	0.000195	± 2.5	PASS
	VN	50	5.90	0.002305	± 2.5	PASS