



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	22.69	PASS
		1	2	22.87	PASS
		1	5	22.89	PASS
		3	0	22.77	PASS
		3	1	22.92	PASS
		3	3	22.85	PASS
		6	0	21.8	PASS
	MCH	1	0	22.81	PASS
		1	2	22.84	PASS
		1	5	22.66	PASS
		3	0	22.74	PASS
		3	1	22.85	PASS
		3	3	22.76	PASS
		6	0	21.72	PASS
	HCH	1	0	22.79	PASS
		1	2	22.74	PASS
		1	5	22.69	PASS
		3	0	22.7	PASS
		3	1	22.7	PASS
		3	3	22.54	PASS
		6	0	21.65	PASS
16QAM	LCH	1	0	22.03	PASS
		1	2	21.79	PASS
		1	5	21.65	PASS
		3	0	21.89	PASS
		3	1	21.79	PASS
		3	3	21.82	PASS
		6	0	20.89	PASS
	MCH	1	0	21.77	PASS
		1	2	21.81	PASS
		1	5	21.7	PASS
		3	0	21.89	PASS
		3	1	21.92	PASS



		3	3	21.68	PASS
		6	0	20.74	PASS
	HCH	1	0	21.59	PASS
		1	2	21.61	PASS
		1	5	21.97	PASS
		3	0	21.56	PASS
		3	1	21.63	PASS
		3	3	21.5	PASS
		6	0	20.72	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.54	PASS
		1	7	22.71	PASS
		1	14	22.74	PASS
		8	0	21.78	PASS
		8	3	21.76	PASS
		8	7	21.71	PASS
		15	0	21.71	PASS
	MCH	1	0	22.81	PASS
		1	7	22.79	PASS
		1	14	22.6	PASS
		8	0	21.83	PASS
		8	3	21.89	PASS
		8	7	21.83	PASS
		15	0	21.88	PASS
	HCH	1	0	22.74	PASS
		1	7	22.73	PASS
		1	14	22.58	PASS
		8	0	21.75	PASS
		8	3	21.76	PASS
		8	7	21.76	PASS
		15	0	21.8	PASS
16QAM	LCH	1	0	21.75	PASS
		1	7	21.71	PASS
		1	14	21.68	PASS
		8	0	20.74	PASS
		8	3	20.77	PASS



		8	7	20.71	PASS
		15	0	20.68	PASS
	MCH	1	0	21.92	PASS
		1	7	21.95	PASS
		1	14	21.85	PASS
		8	0	20.91	PASS
		8	3	21.04	PASS
		8	7	20.91	PASS
		15	0	20.82	PASS
	HCH	1	0	21.81	PASS
		1	7	21.93	PASS
		1	14	21.81	PASS
		8	0	20.81	PASS
		8	3	20.82	PASS
		8	7	20.77	PASS
		15	0	20.79	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.85	PASS
		1	12	22.57	PASS
		1	24	22.56	PASS
		12	0	21.72	PASS
		12	6	21.72	PASS
		12	13	21.79	PASS
		25	0	21.69	PASS
	MCH	1	0	22.88	PASS
		1	12	22.7	PASS
		1	24	22.81	PASS
		12	0	21.91	PASS
		12	6	21.87	PASS
		12	13	21.91	PASS
		25	0	21.79	PASS
	HCH	1	0	22.85	PASS
		1	12	22.79	PASS
		1	24	22.77	PASS
		12	0	21.75	PASS
		12	6	21.83	PASS
		12	13	21.8	PASS



		25	0	21.83	PASS
16QAM	LCH	1	0	21.86	PASS
		1	12	21.29	PASS
		1	24	21.66	PASS
		12	0	20.68	PASS
		12	6	20.79	PASS
		12	13	20.7	PASS
		25	0	20.71	PASS
	MCH	1	0	21.85	PASS
		1	12	21.71	PASS
		1	24	21.88	PASS
		12	0	20.93	PASS
		12	6	20.89	PASS
		12	13	20.86	PASS
		25	0	20.77	PASS
	HCH	1	0	21.66	PASS
		1	12	21.63	PASS
		1	24	21.88	PASS
		12	0	20.82	PASS
		12	6	20.93	PASS
		12	13	20.9	PASS
		25	0	20.86	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.65	PASS
		1	24	22.62	PASS
		1	49	22.61	PASS
		25	0	21.67	PASS
		25	12	21.72	PASS
		25	25	21.62	PASS
		50	0	21.69	PASS
	MCH	1	0	22.96	PASS
		1	24	22.72	PASS
		1	49	22.79	PASS
		25	0	21.81	PASS
		25	12	21.87	PASS
		25	25	21.89	PASS
		50	0	21.97	PASS



	HCH	1	0	22.84	PASS
		1	24	22.91	PASS
		1	49	22.78	PASS
		25	0	22.09	PASS
		25	12	22.02	PASS
		25	25	22.03	PASS
		50	0	22.08	PASS
16QAM	LCH	1	0	21.69	PASS
		1	24	21.51	PASS
		1	49	21.54	PASS
		25	0	20.74	PASS
		25	12	20.79	PASS
		25	25	20.64	PASS
		50	0	20.72	PASS
	MCH	1	0	22	PASS
		1	24	21.63	PASS
		1	49	21.7	PASS
		25	0	21.02	PASS
		25	12	20.9	PASS
		25	25	20.85	PASS
		50	0	20.9	PASS
	HCH	1	0	21.95	PASS
		1	24	21.77	PASS
		1	49	21.98	PASS
		25	0	20.88	PASS
		25	12	21.08	PASS
		25	25	20.97	PASS
		50	0	20.95	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	4.11	<13	PASS
16QAM	MCH	1	0	4.94	<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	4.01	<13	PASS
16QAM	MCH	1	0	4.76	<13	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	3.94	<13	PASS
16QAM	MCH	1	0	4.8	<13	PASS

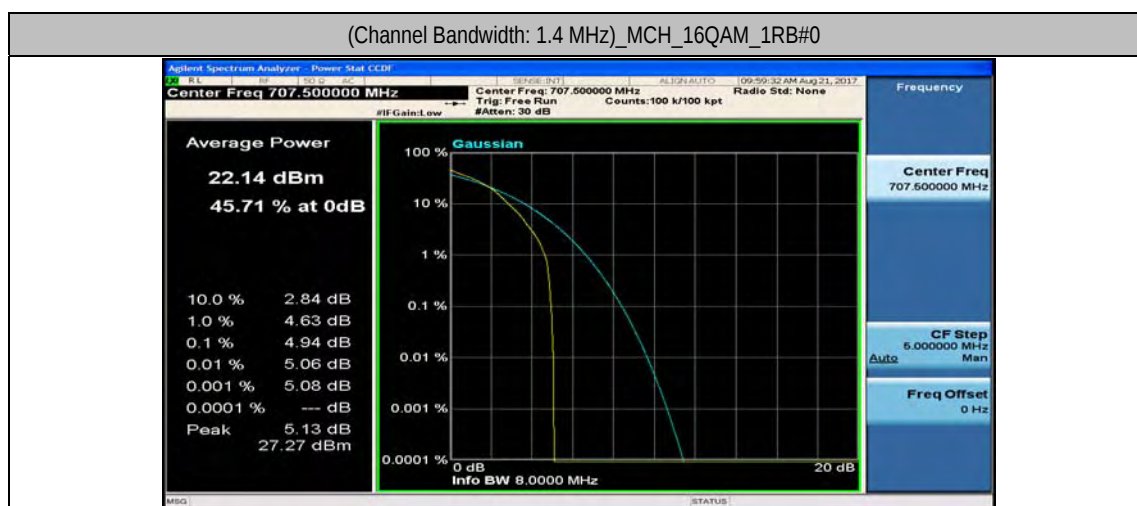
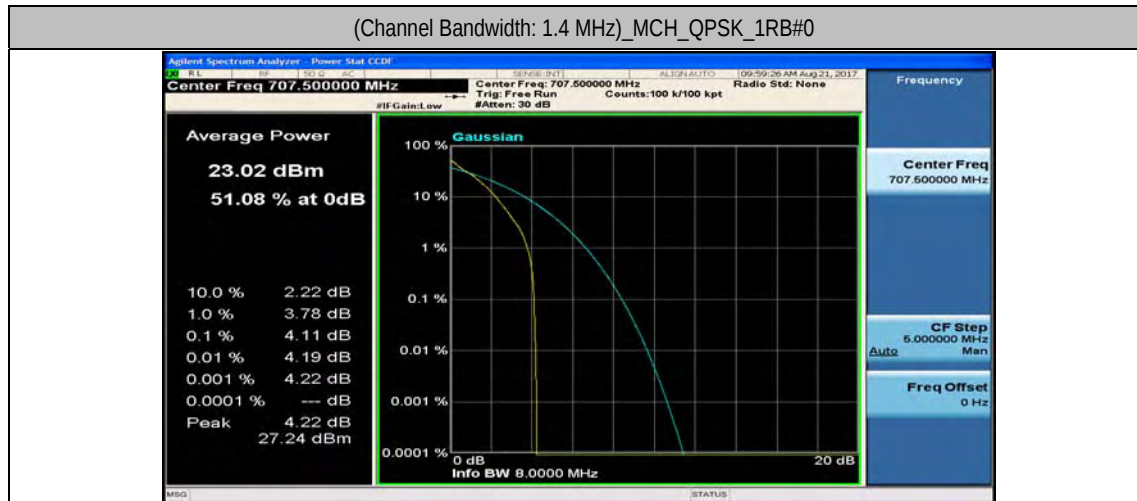
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	3.9	<13	PASS
16QAM	MCH	1	0	4.87	<13	PASS

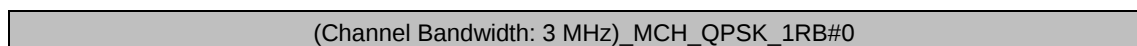


Test Graphs

Channel Bandwidth: 1.4 MHz



Channel Bandwidth: 3 MHz





(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



Channel Bandwidth: 5 MHz

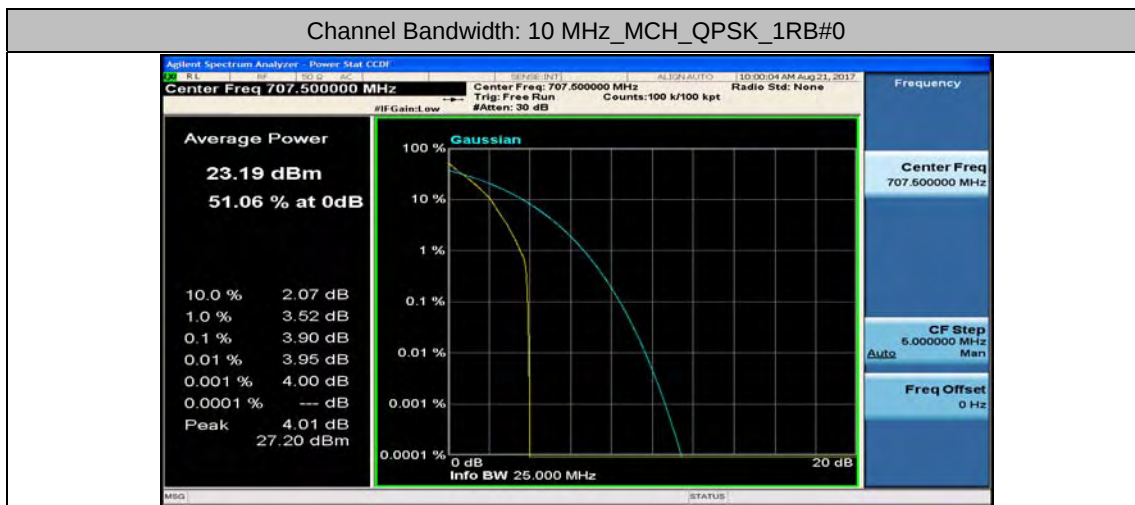
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0





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	1.185	PASS
	MCH	6	0	1.077	1.180	PASS
	HCH	6	0	1.077	1.198	PASS
16QAM	LCH	6	0	1.072	1.153	PASS
	MCH	6	0	1.077	1.203	PASS
	HCH	6	0	1.077	1.180	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	2.885	PASS
	MCH	15	0	2.692	2.846	PASS
	HCH	15	0	2.702	2.865	PASS
16QAM	LCH	15	0	2.683	2.865	PASS
	MCH	15	0	2.692	2.846	PASS
	HCH	15	0	2.692	2.865	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	4.728	PASS
	MCH	25	0	4.471	4.696	PASS
	HCH	25	0	4.471	4.744	PASS



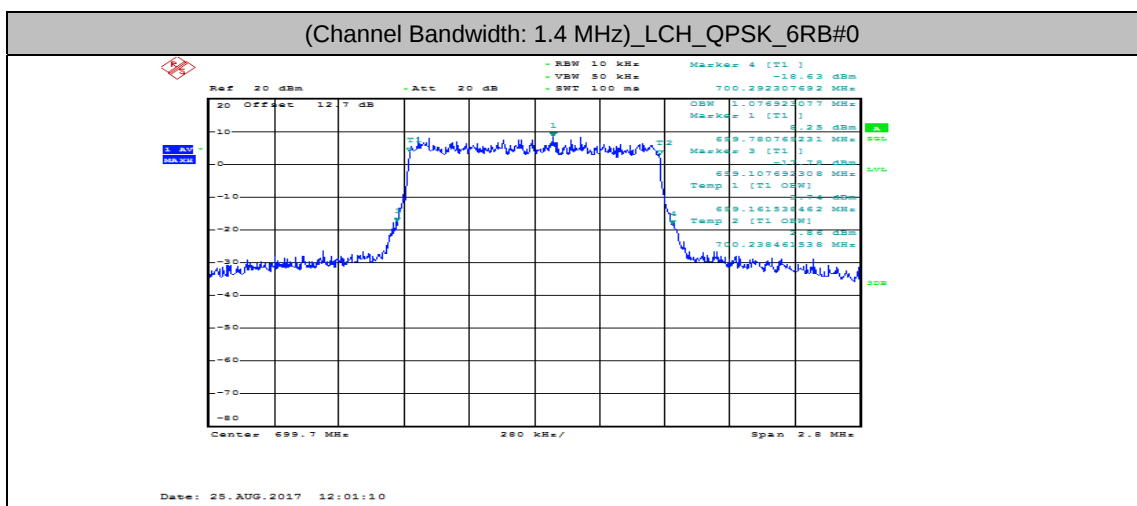
16QAM	LCH	25	0	4.503	4.599	PASS
	MCH	25	0	4.471	4.696	PASS
	HCH	25	0	4.503	4.744	PASS

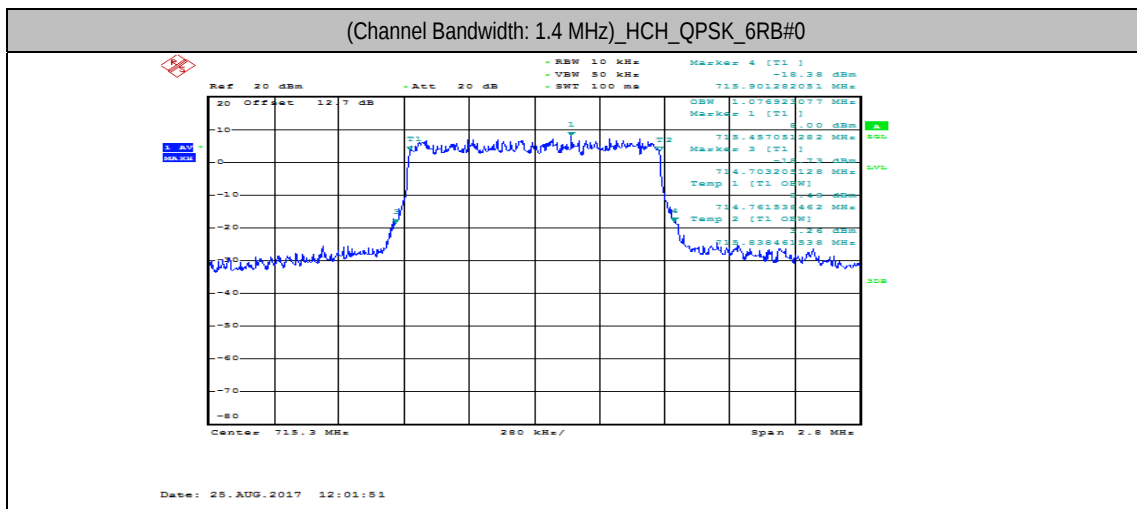
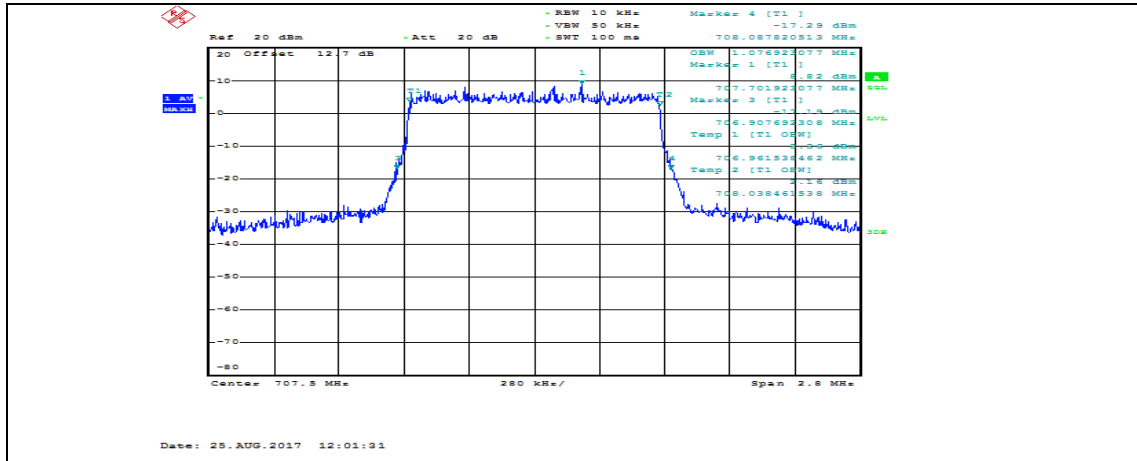
Channel Bandwidth: 10 MHz

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	9.295	PASS
16QAM	LCH	50	0	8.974	9.327	PASS
	MCH	50	0	8.942	9.327	PASS
	HCH	50	0	8.942	9.327	PASS

Test Graphs

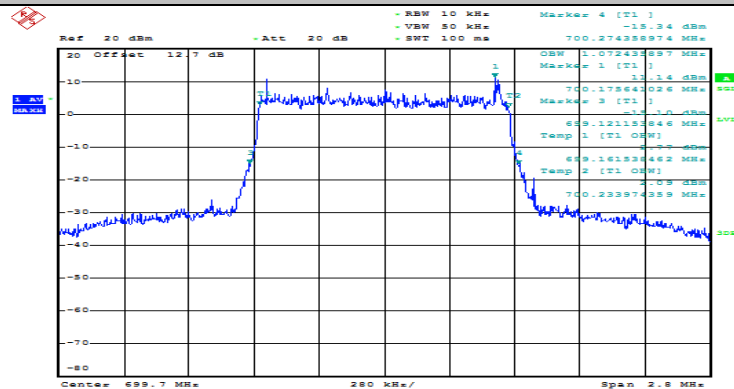
Channel Bandwidth: 1.4 MHz





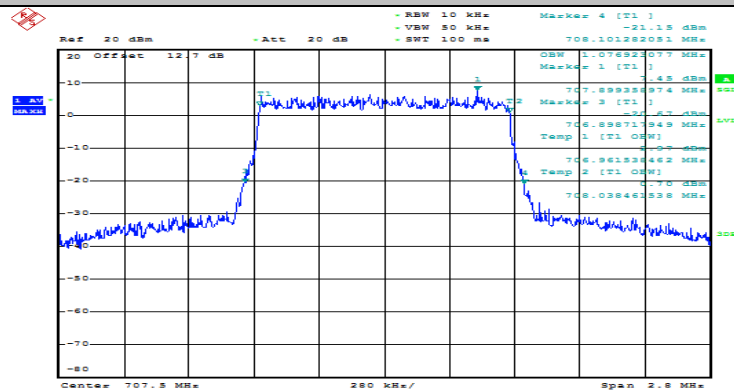


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



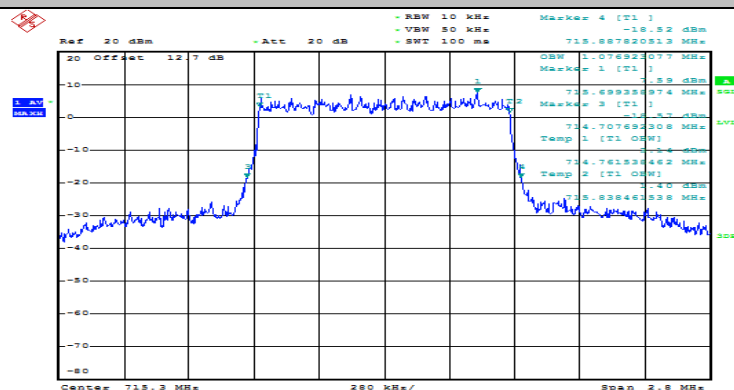
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



Date: 25.AUG.2017 12:01:41

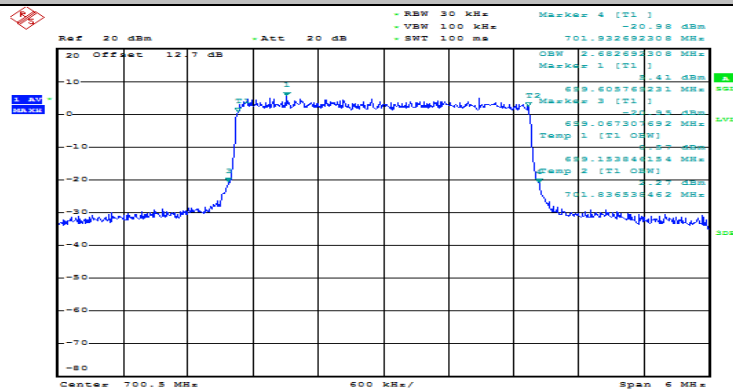
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



Date: 25.AUG.2017 12:02:01

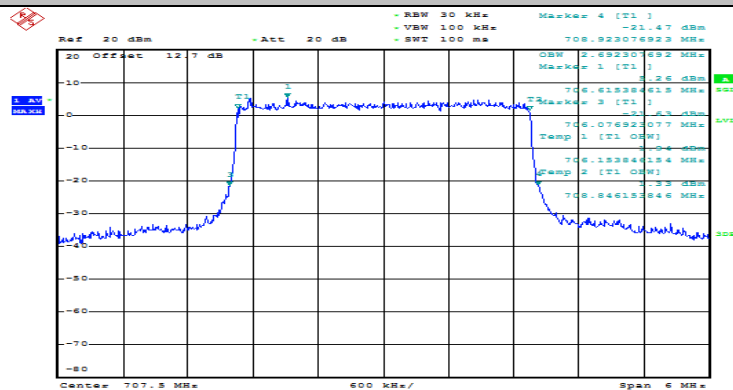


(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



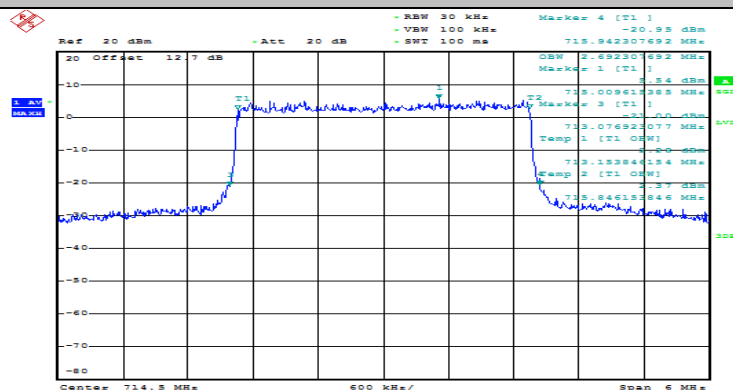
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



Date: 25.AUG.2017 12:04:31

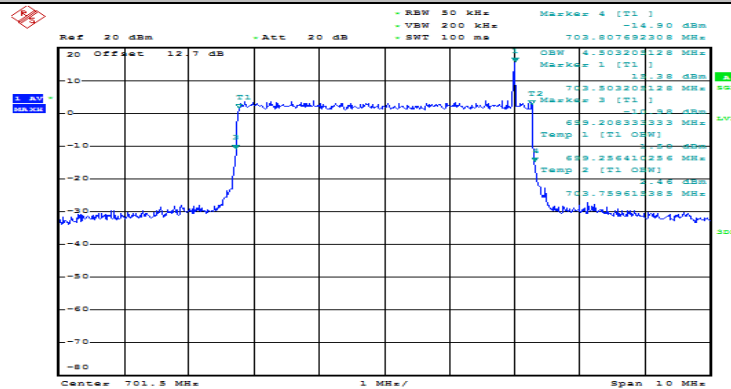
(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0



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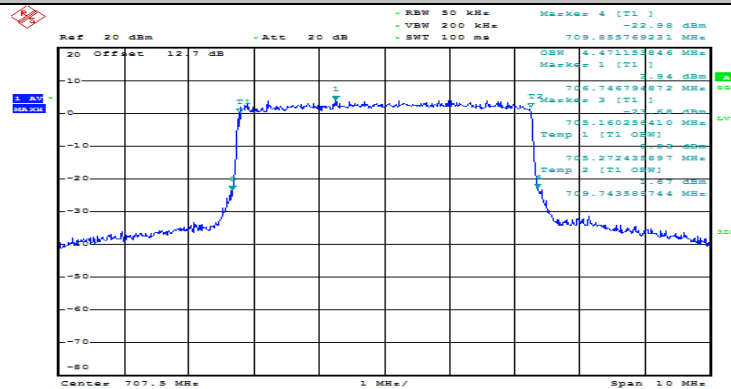


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



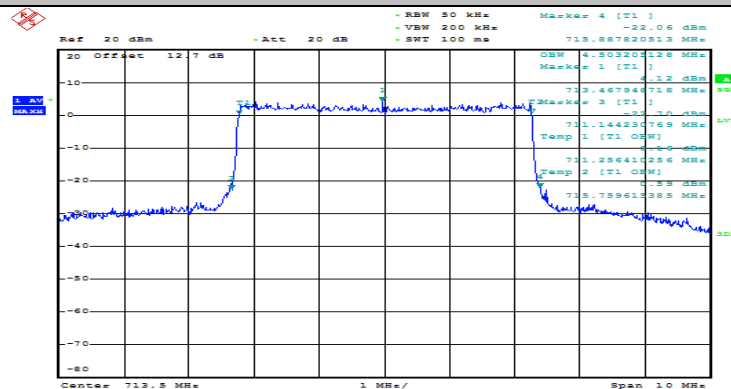
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



Date: 25.AUG.2017 12:07:40

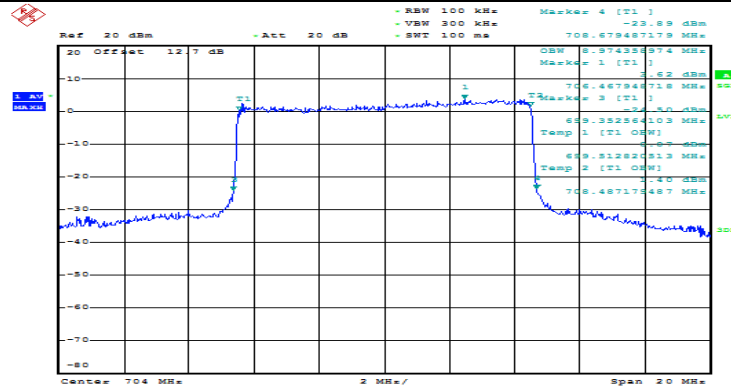
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



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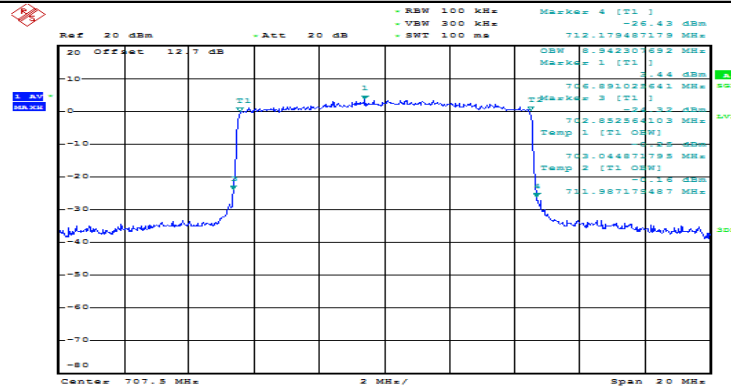


(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



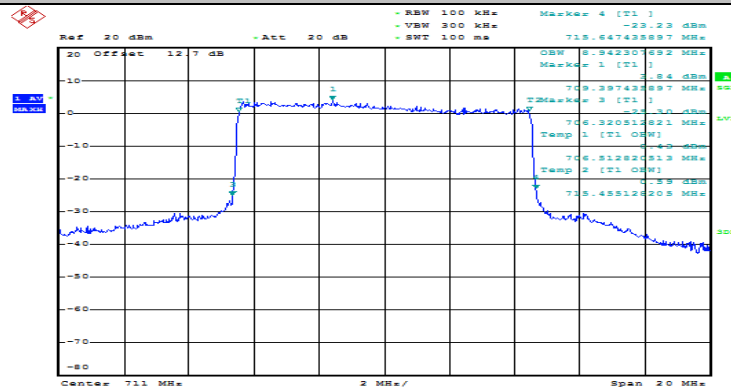
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(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



Date: 25.AUG.2017 12:10:09

(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



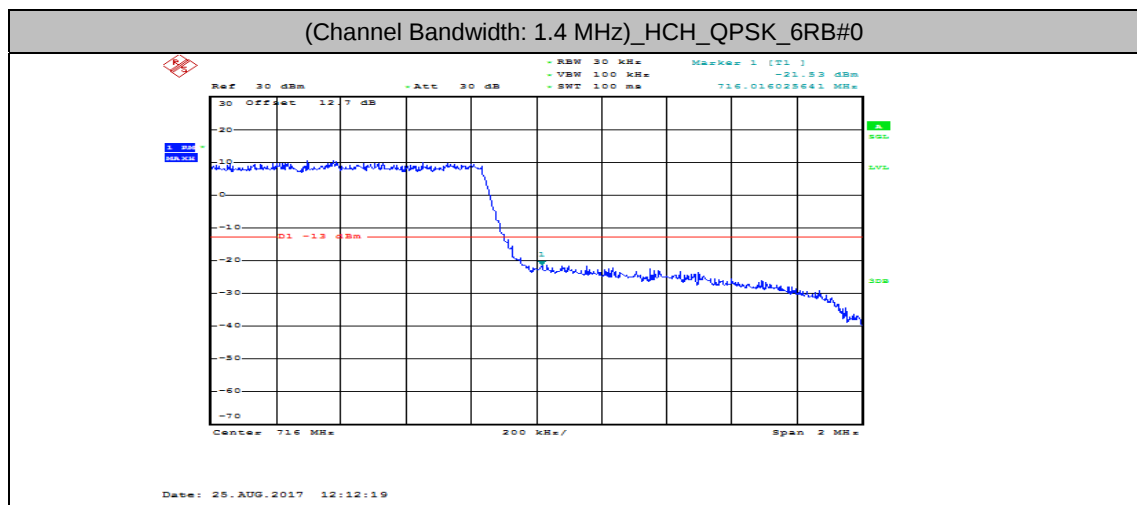
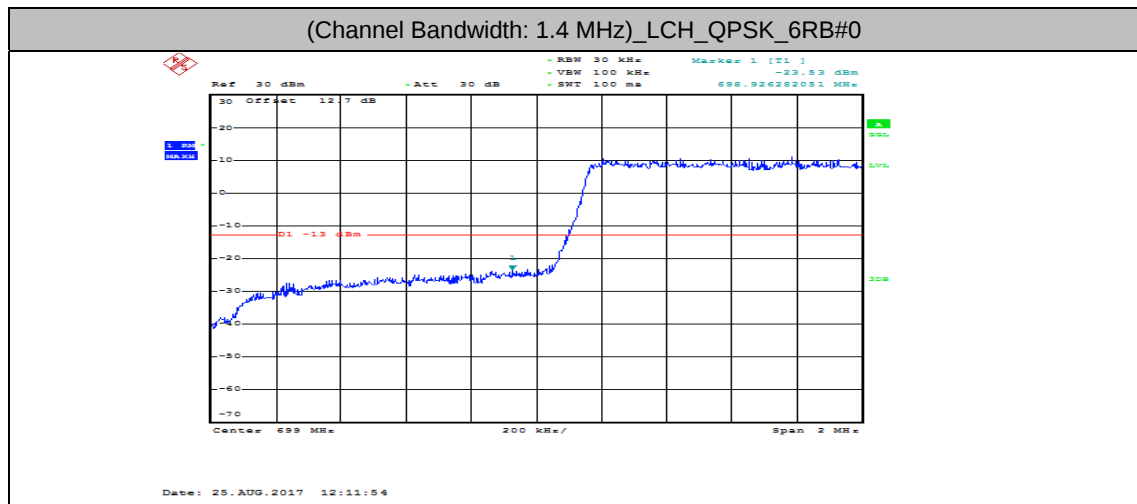
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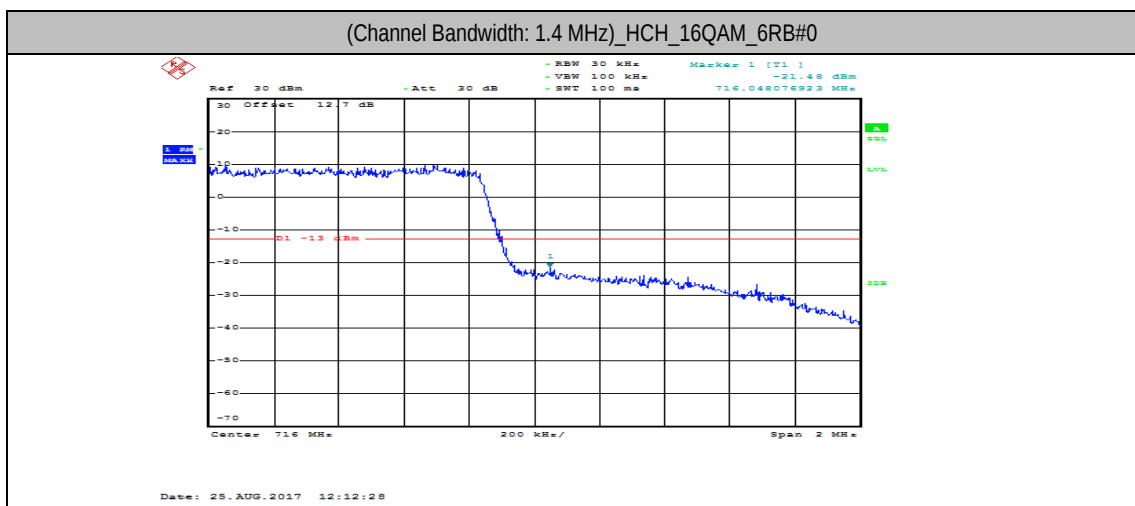
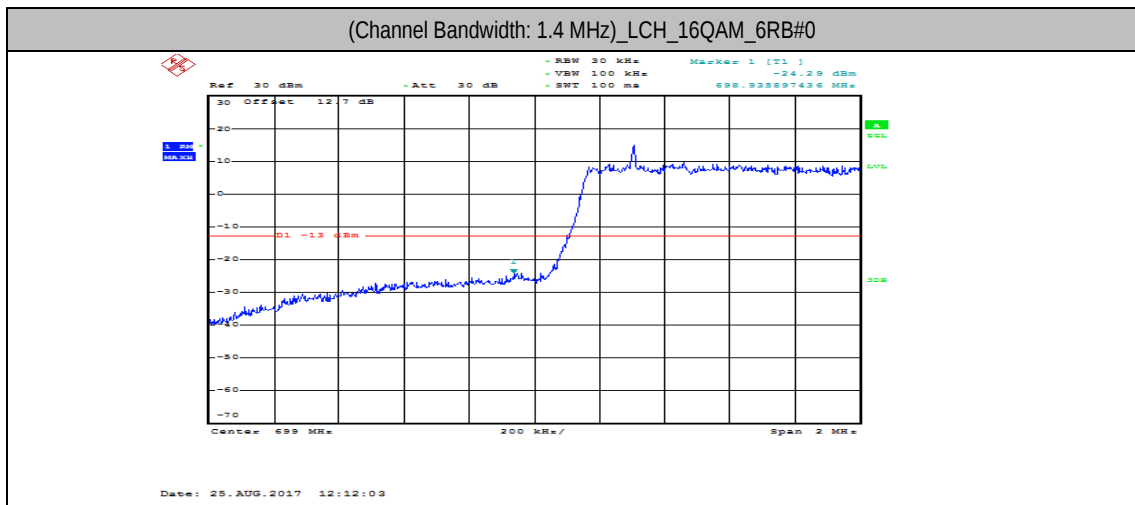


Appendix D: Band Edge

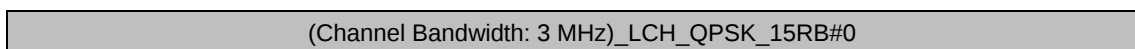
Test Graphs

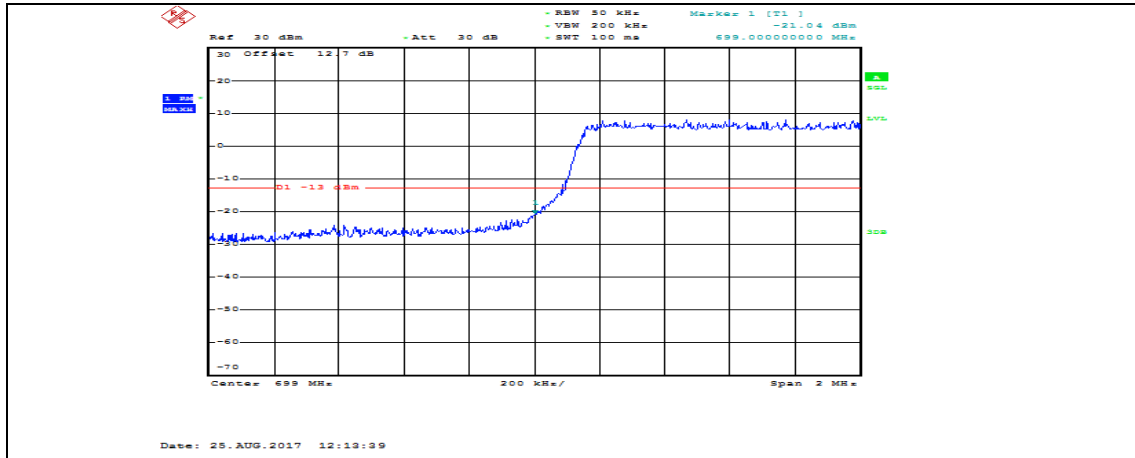
Channel Bandwidth: 1.4 MHz



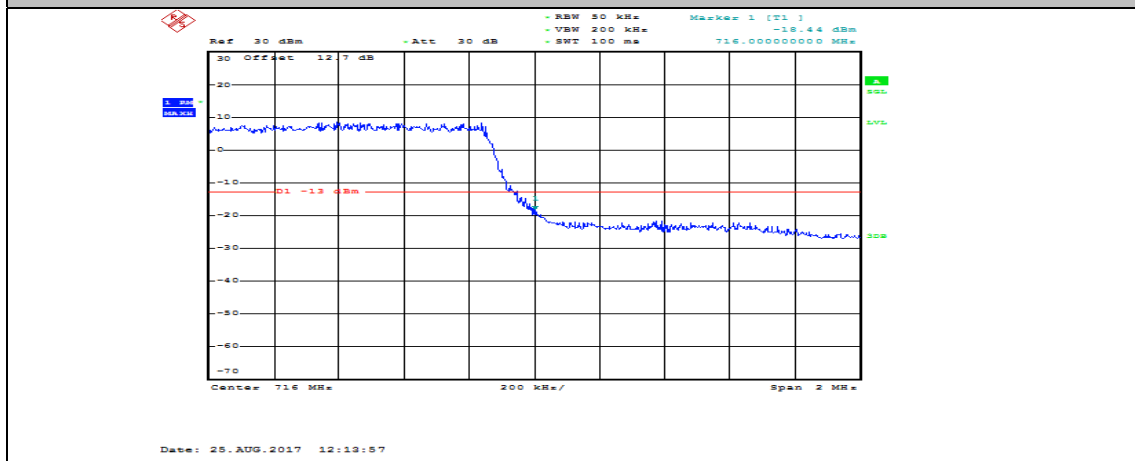


Channel Bandwidth: 3 MHz

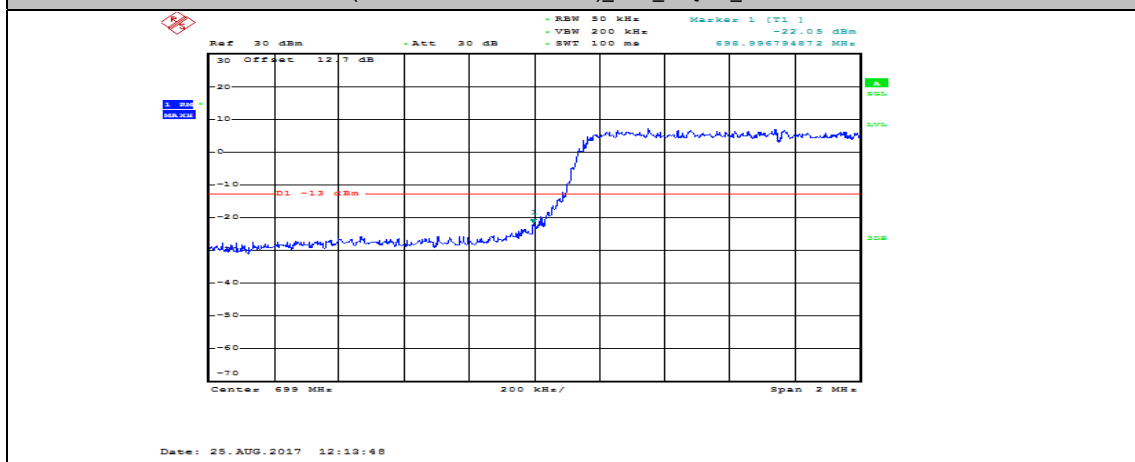




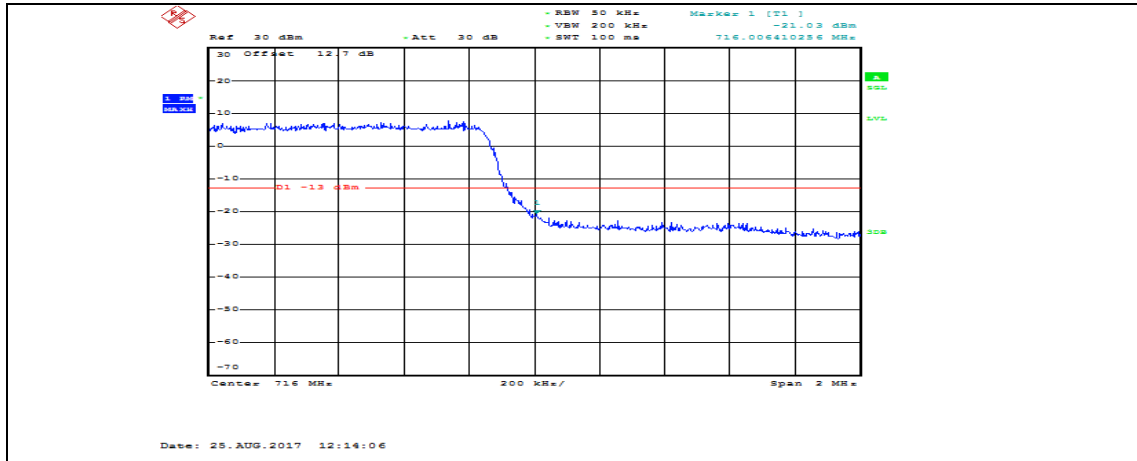
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



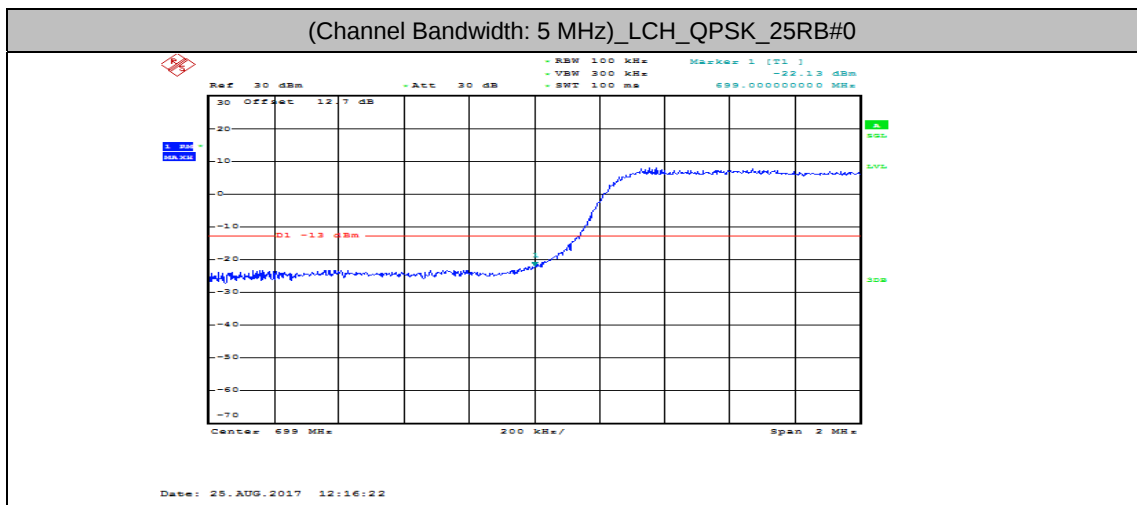
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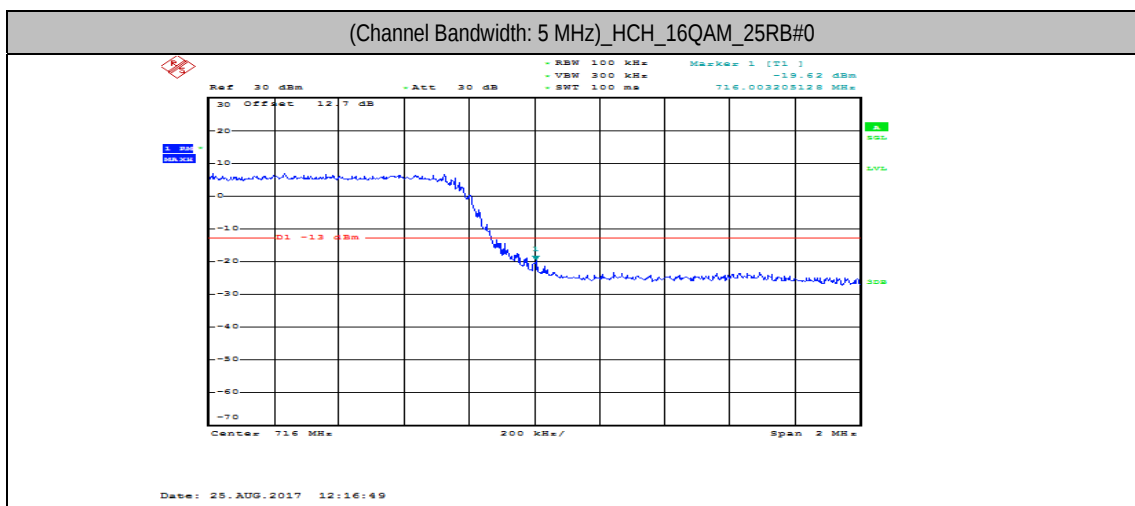
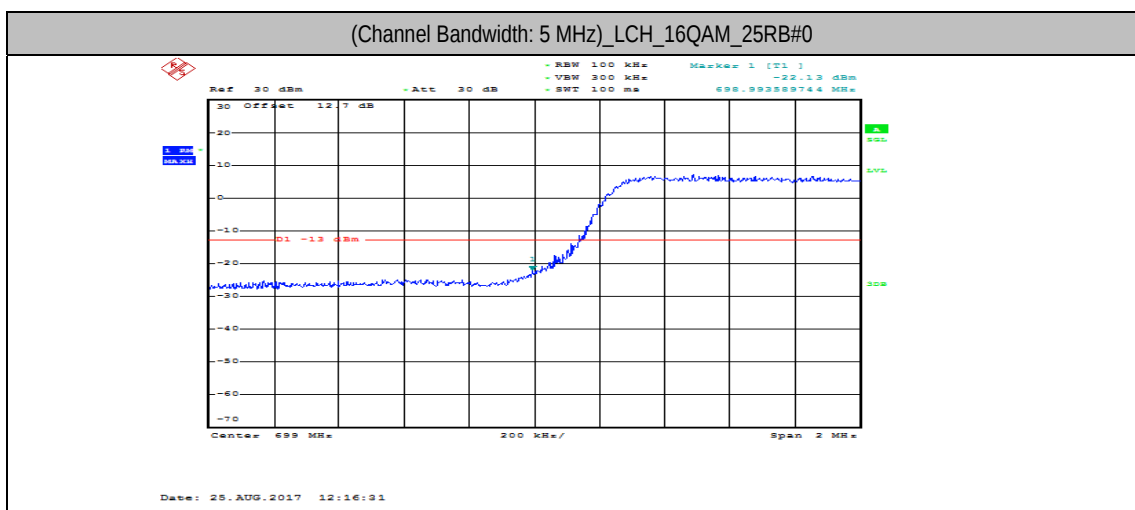
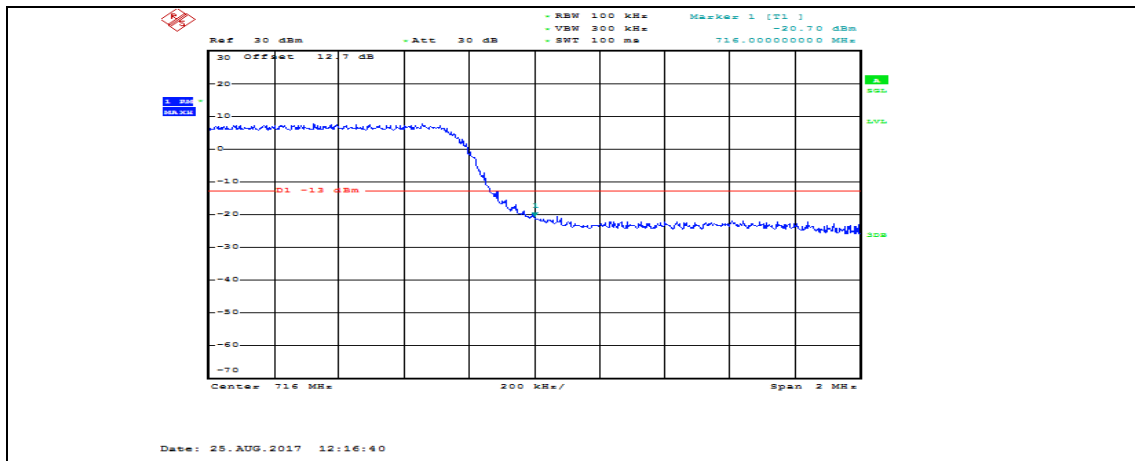
(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0



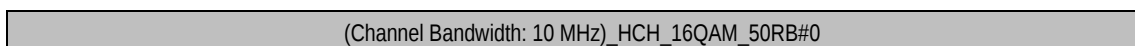
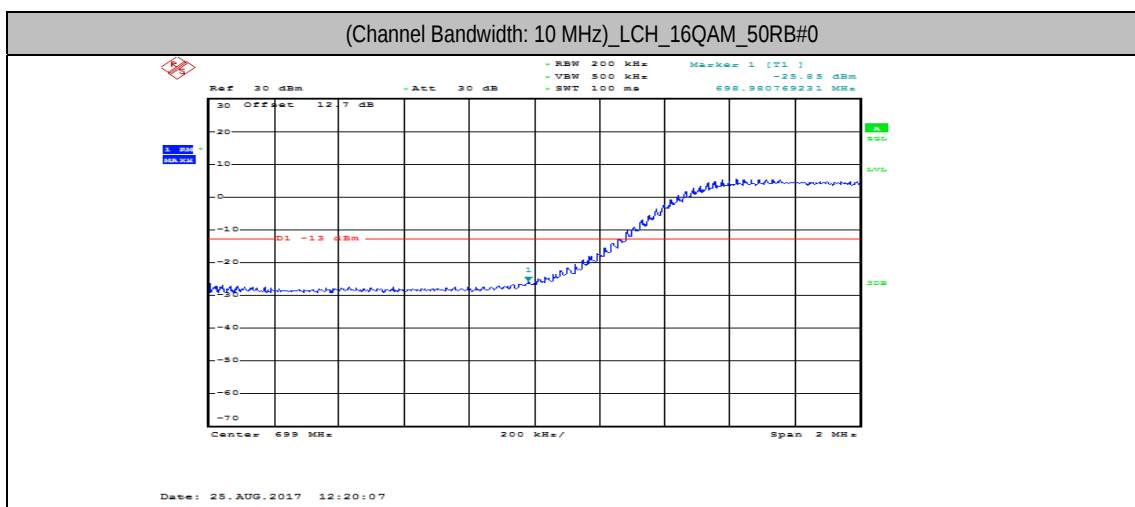
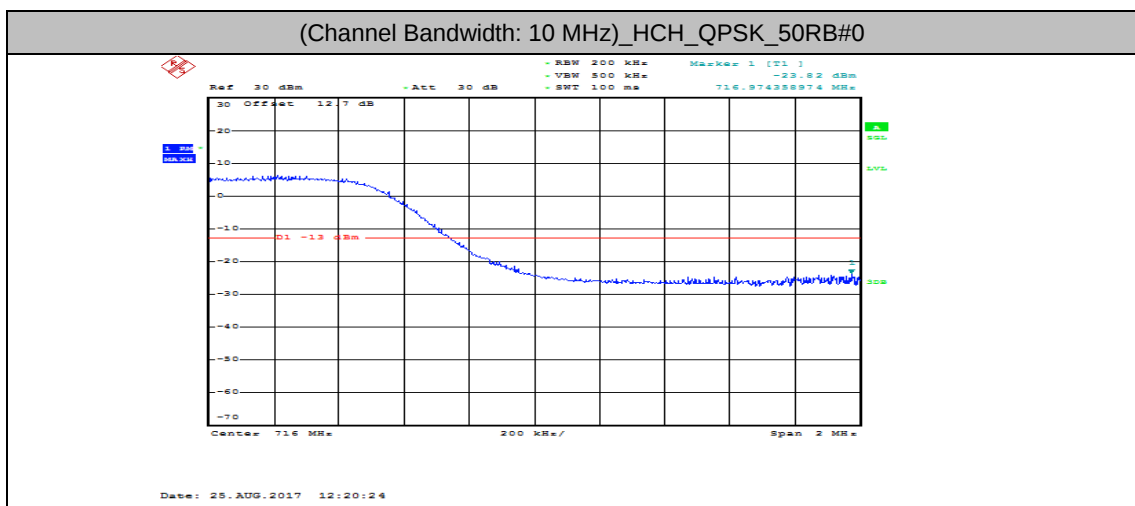
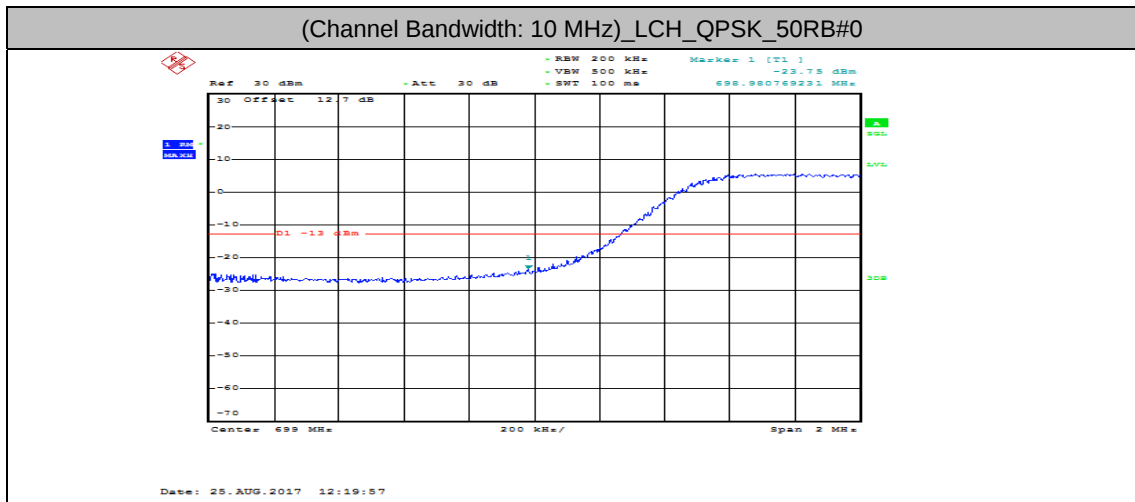
Channel Bandwidth: 5 MHz

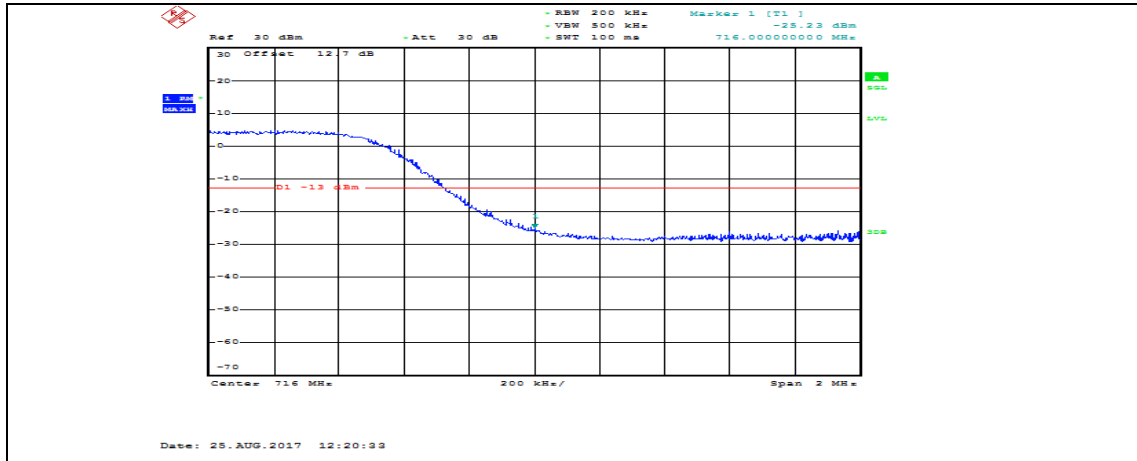


(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz



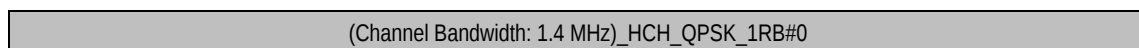
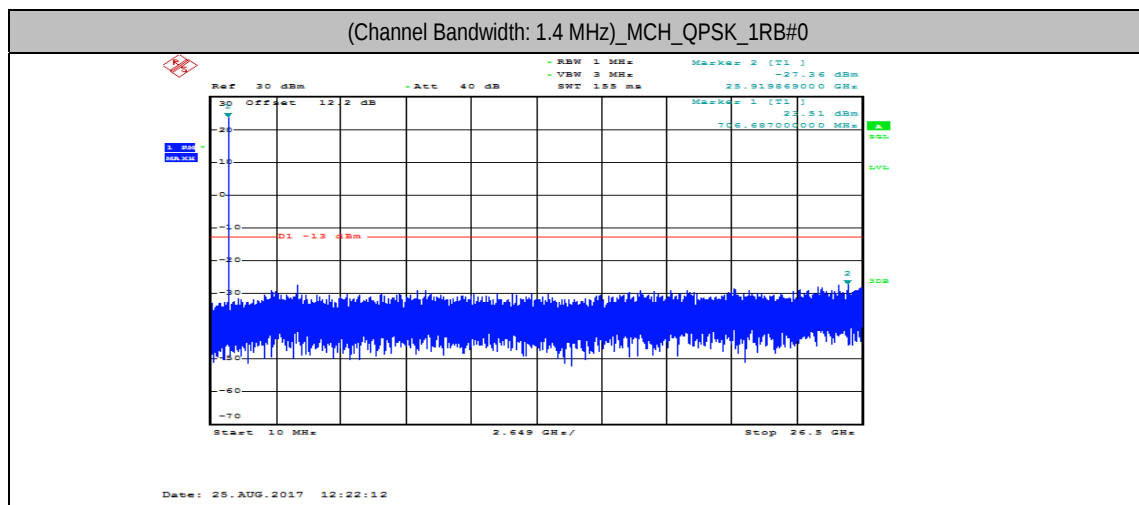
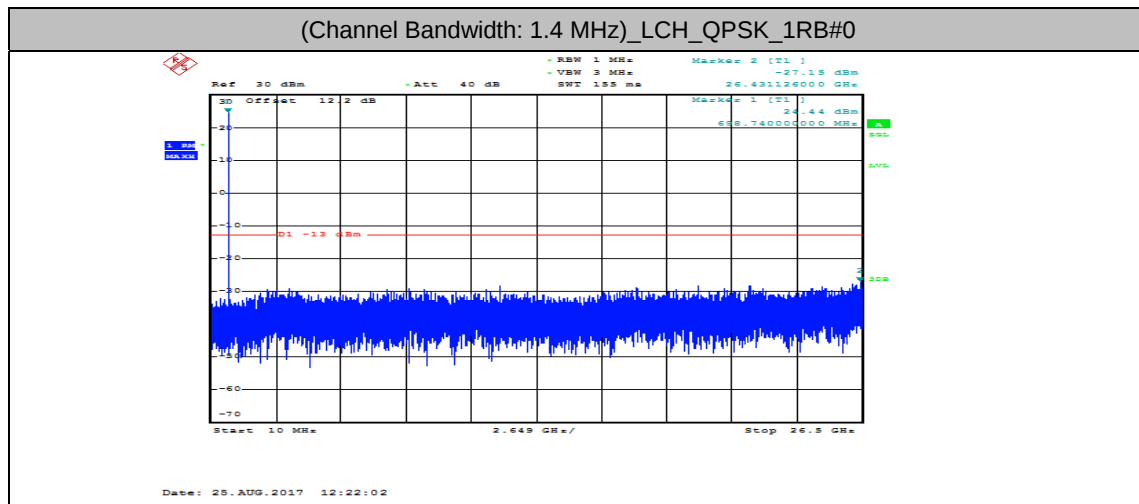


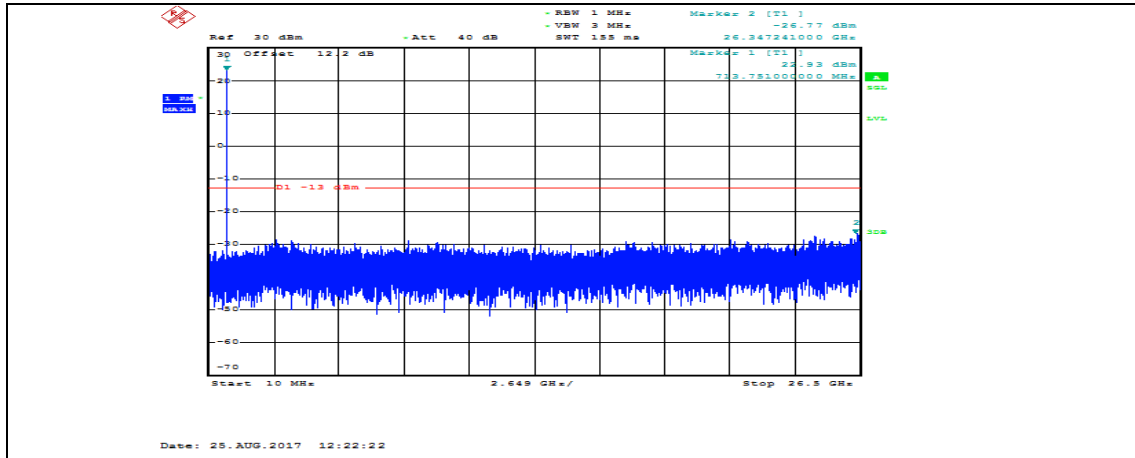


Appendix E: Conducted Spurious Emission

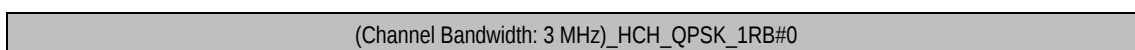
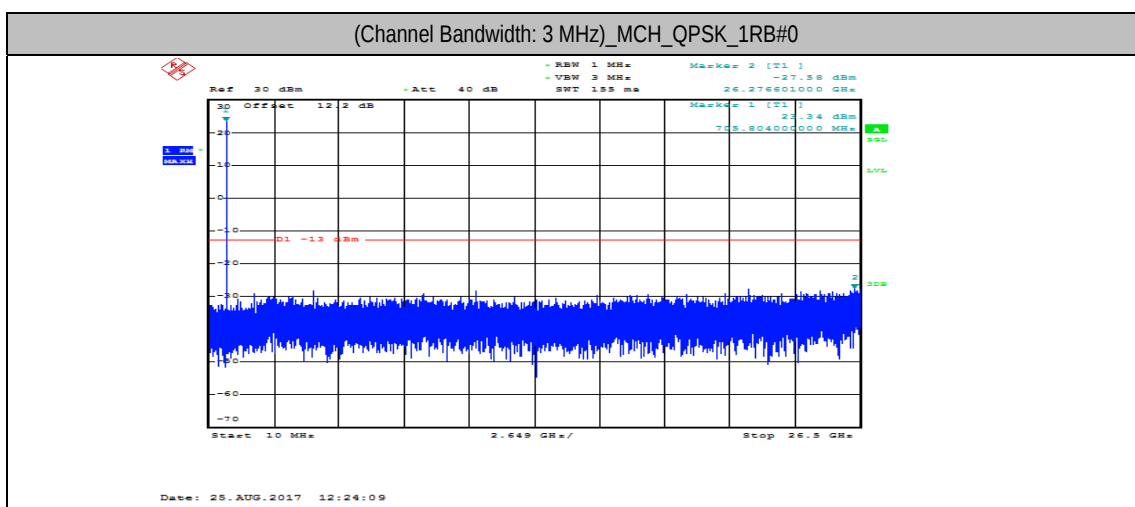
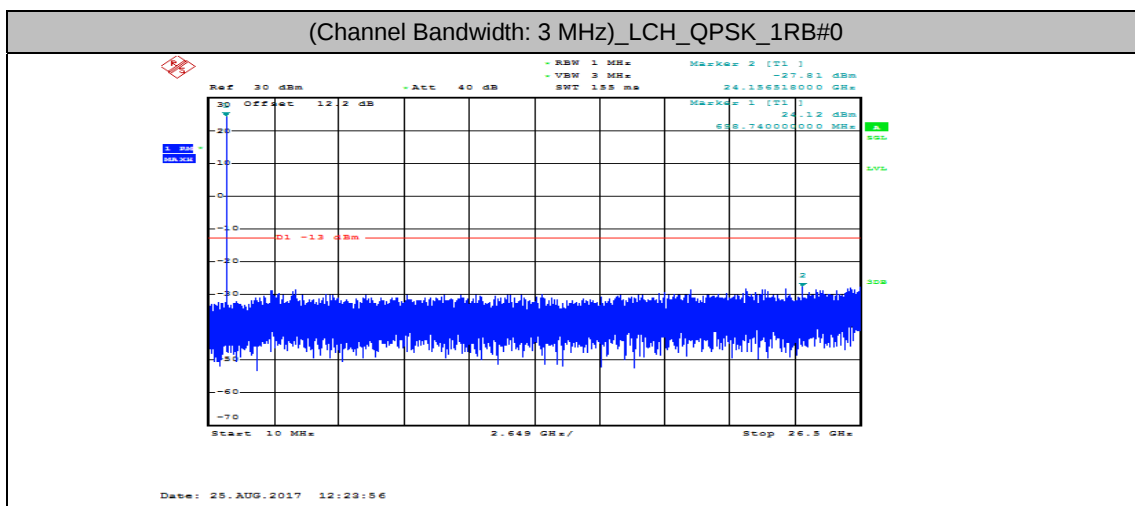
Test Graphs

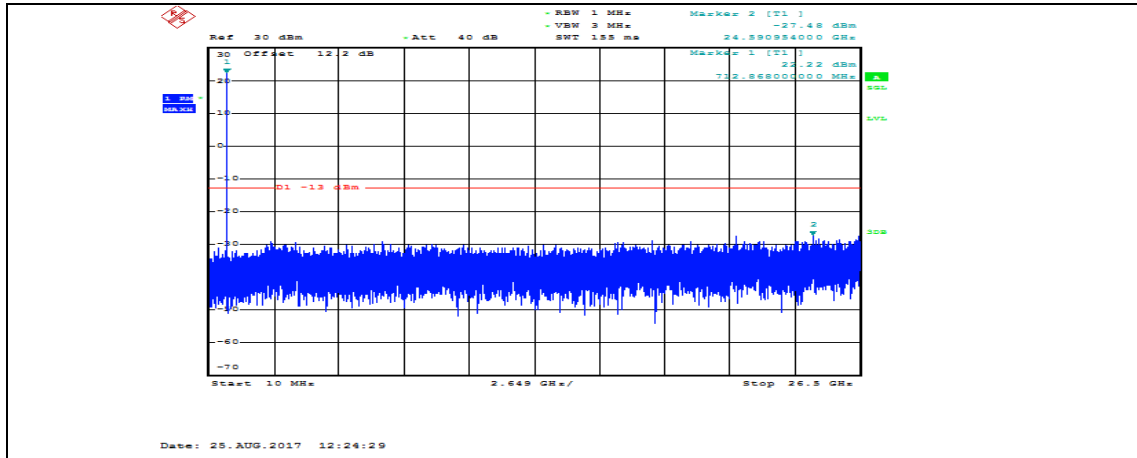
Channel Bandwidth: 1.4 MHz



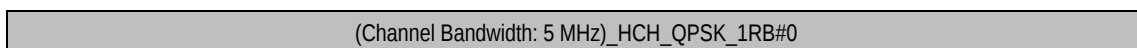
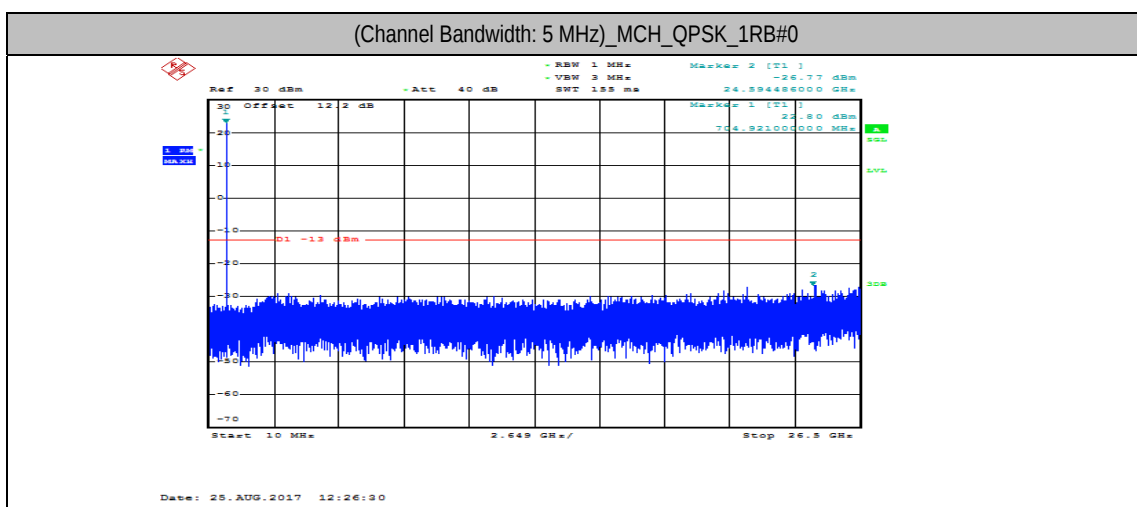
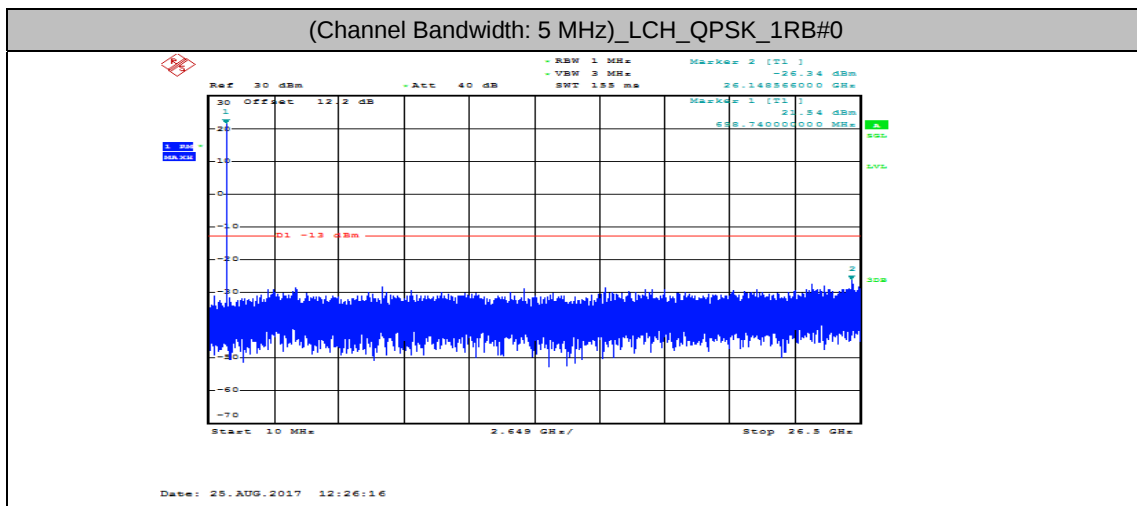


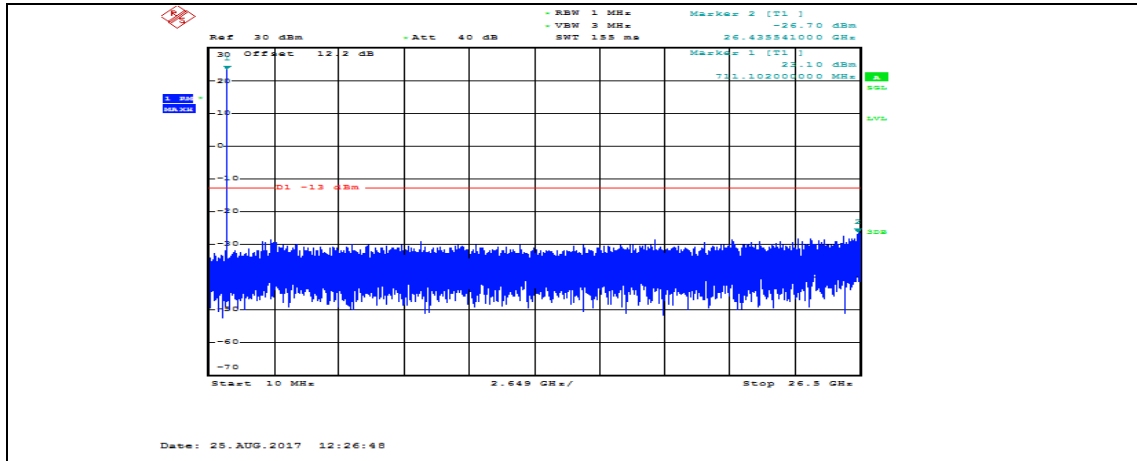
Channel Bandwidth: 3 MHz



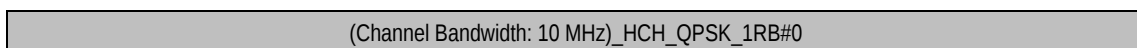
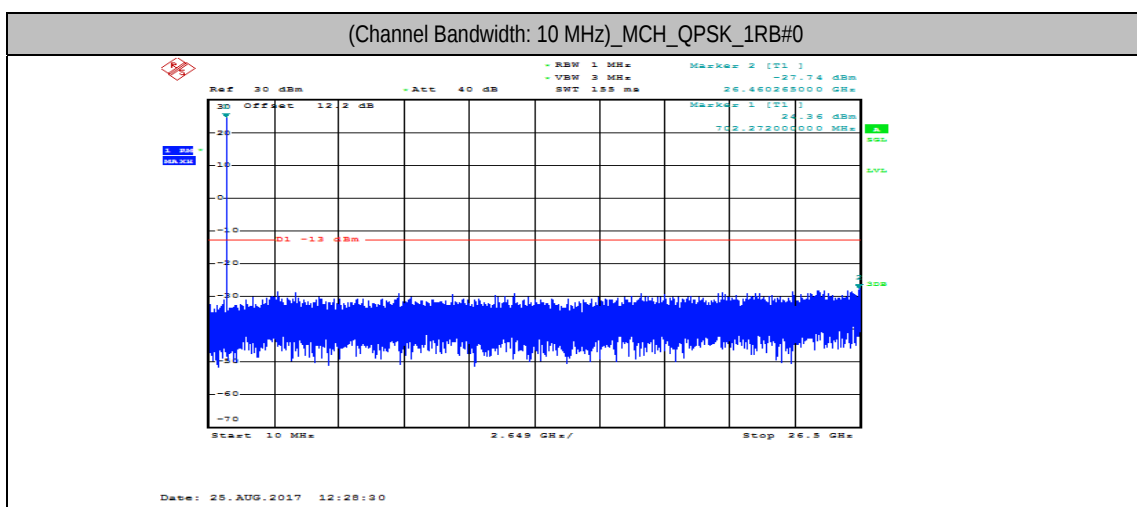
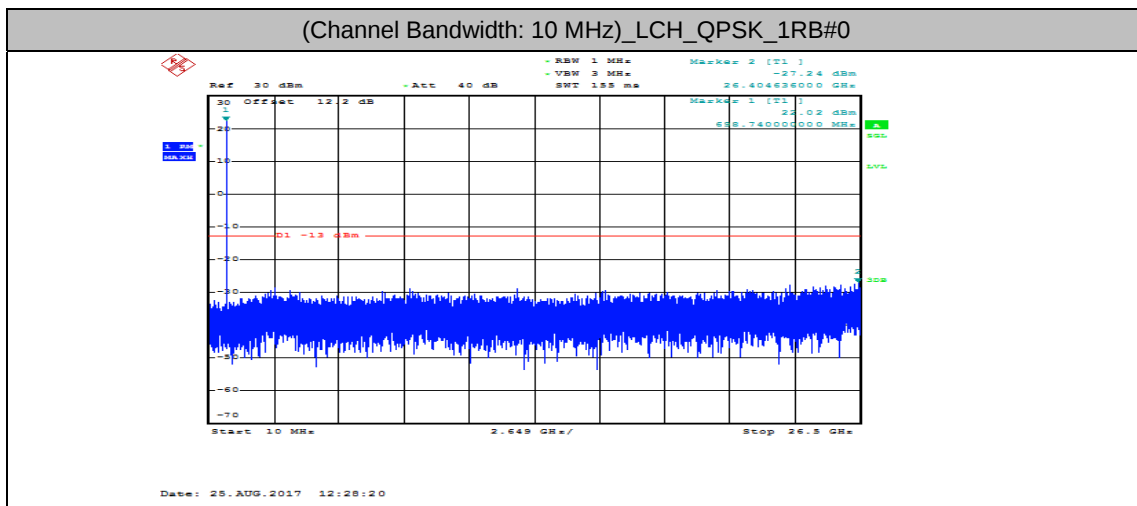


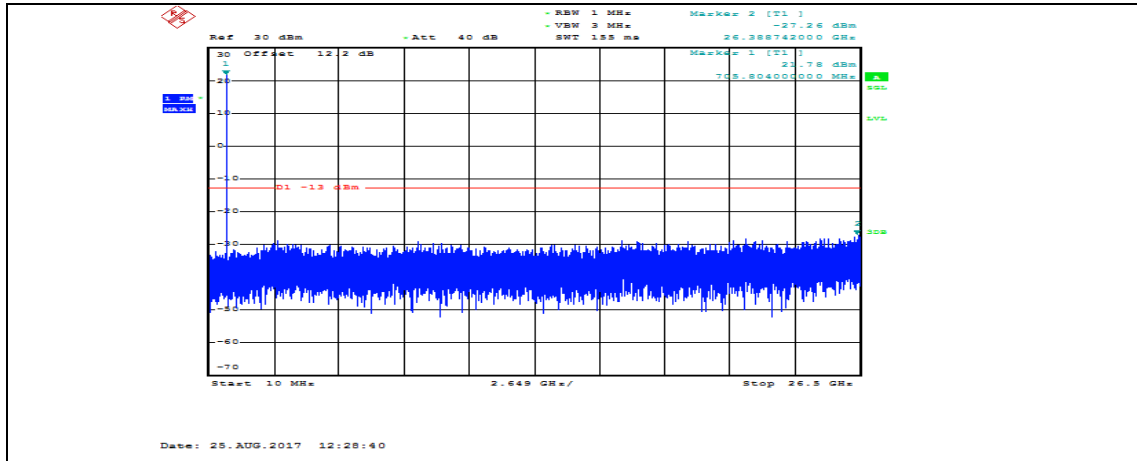
Channel Bandwidth: 5 MHz





Channel Bandwidth: 10 MHz







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	-8.60	-0.012291	± 2.5	PASS
		VN	TN	-1.70	-0.002430	± 2.5	PASS
		VH	TN	-5.90	-0.008432	± 2.5	PASS
	MCH	VL	TN	-8.90	-0.012580	± 2.5	PASS
		VN	TN	16.70	0.023604	± 2.5	PASS
		VH	TN	0.50	0.000707	± 2.5	PASS
	HCH	VL	TN	-13.10	-0.018314	± 2.5	PASS
		VN	TN	-16.60	-0.023207	± 2.5	PASS
		VH	TN	-2.40	-0.003355	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.90	0.007003	± 2.5	PASS
		VN	-20	-16.60	-0.023724	± 2.5	PASS
		VN	-10	-3.40	-0.004859	± 2.5	PASS
		VN	0	4.00	0.005717	± 2.5	PASS
		VN	10	-6.00	-0.008575	± 2.5	PASS
		VN	20	-0.40	-0.000572	± 2.5	PASS
		VN	30	0.80	0.000956	± 2.5	PASS
		VN	40	-4.10	-0.005860	± 2.5	PASS
		VN	50	-1.10	-0.001334	± 2.5	PASS
	MCH	VN	-30	-2.80	-0.003958	± 2.5	PASS
		VN	-20	-0.50	-0.000707	± 2.5	PASS
		VN	-10	-3.30	-0.004664	± 2.5	PASS
		VN	0	5.20	0.007350	± 2.5	PASS
		VN	10	0.70	0.000989	± 2.5	PASS
		VN	20	-3.20	-0.004523	± 2.5	PASS
		VN	30	5.80	0.008198	± 2.5	PASS
		VN	40	-0.40	-0.000565	± 2.5	PASS
		VN	50	-1.60	-0.002261	± 2.5	PASS
	HCH	VN	-30	-4.30	-0.006011	± 2.5	PASS
		VN	-20	-7.60	-0.010625	± 2.5	PASS
		VN	-10	0.90	0.001258	± 2.5	PASS



		VN	0	-9.50	-0.013281	± 2.5	PASS
		VN	10	3.50	0.004893	± 2.5	PASS
		VN	20	-3.30	-0.004613	± 2.5	PASS
		VN	30	-2.70	-0.003775	± 2.5	PASS
		VN	40	6.10	0.008528	± 2.5	PASS
		VN	50	-2.70	-0.003775	± 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	-4.00	-0.005710	± 2.5	PASS
		VN	TN	4.80	0.006852	± 2.5	PASS
		VH	TN	-0.50	-0.000714	± 2.5	PASS
	MCH	VL	TN	1.20	0.001415	± 2.5	PASS
		VN	TN	-3.40	-0.004806	± 2.5	PASS
		VH	TN	2.50	0.003534	± 2.5	PASS
	HCH	VL	TN	5.70	0.007978	± 2.5	PASS
		VN	TN	6.90	0.009657	± 2.5	PASS
		VH	TN	4.30	0.006018	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.80	0.006852	± 2.5	PASS
		VN	-20	-1.40	-0.001999	± 2.5	PASS
		VN	-10	8.60	0.012277	± 2.5	PASS
		VN	0	4.00	0.005710	± 2.5	PASS
		VN	10	-1.70	-0.002427	± 2.5	PASS
		VN	20	-0.80	-0.001142	± 2.5	PASS
		VN	30	-6.00	-0.008565	± 2.5	PASS
		VN	40	1.70	0.002427	± 2.5	PASS
		VN	50	-6.00	-0.008565	± 2.5	PASS
	MCH	VN	-30	-3.10	-0.004382	± 2.5	PASS
		VN	-20	-2.40	-0.003392	± 2.5	PASS
		VN	-10	-4.50	-0.006360	± 2.5	PASS
		VN	0	-5.80	-0.008198	± 2.5	PASS
		VN	10	-2.80	-0.003958	± 2.5	PASS
		VN	20	-4.50	-0.006360	± 2.5	PASS
		VN	30	-4.70	-0.006643	± 2.5	PASS
		VN	40	-5.20	-0.007350	± 2.5	PASS
		VN	50	-4.70	-0.006643	± 2.5	PASS
	HCH	VN	-30	6.60	0.009237	± 2.5	PASS
		VN	-20	6.20	0.008677	± 2.5	PASS
		VN	-10	1.80	0.002519	± 2.5	PASS
		VN	0	3.40	0.004759	± 2.5	PASS
		VN	10	4.90	0.006858	± 2.5	PASS



		VN	20	-1.60	-0.002239	± 2.5	PASS
		VN	30	3.30	0.004619	± 2.5	PASS
		VN	40	6.30	0.008817	± 2.5	PASS
		VN	50	3.30	0.004619	± 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	-4.00	-0.005702	± 2.5	PASS
		VN	TN	-2.40	-0.003421	± 2.5	PASS
		VH	TN	-3.30	-0.004704	± 2.5	PASS
	MCH	VL	TN	-5.50	-0.007774	± 2.5	PASS
		VN	TN	-4.70	-0.006643	± 2.5	PASS
		VH	TN	-4.60	-0.006502	± 2.5	PASS
	HCH	VL	TN	-8.80	-0.012334	± 2.5	PASS
		VN	TN	-1.50	-0.002102	± 2.5	PASS
		VH	TN	-4.30	-0.006027	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.40	0.000570	± 2.5	PASS
		VN	-20	-0.50	-0.000713	± 2.5	PASS
		VN	-10	-4.30	-0.006130	± 2.5	PASS
		VN	0	-4.10	-0.005845	± 2.5	PASS
		VN	10	-6.90	-0.009836	± 2.5	PASS
		VN	20	-13.20	-0.018817	± 2.5	PASS
		VN	30	-6.50	-0.009266	± 2.5	PASS
		VN	40	-0.30	-0.000428	± 2.5	PASS
		VN	50	-3.30	-0.004704	± 2.5	PASS
	MCH	VN	-30	-2.40	-0.003392	± 2.5	PASS
		VN	-20	-5.90	-0.008339	± 2.5	PASS
		VN	-10	-3.80	-0.005371	± 2.5	PASS
		VN	0	0.70	0.000989	± 2.5	PASS
		VN	10	-1.60	-0.002261	± 2.5	PASS
		VN	20	-1.90	-0.002686	± 2.5	PASS
		VN	30	-4.00	-0.005654	± 2.5	PASS
		VN	40	-2.70	-0.003816	± 2.5	PASS
	HCH	VN	50	-3.30	-0.004664	± 2.5	PASS
		VN	-30	-5.80	-0.008129	± 2.5	PASS
		VN	-20	-4.50	-0.006307	± 2.5	PASS
		VN	-10	-5.50	-0.007708	± 2.5	PASS
		VN	0	-3.40	-0.004765	± 2.5	PASS
		VN	10	-0.20	-0.000280	± 2.5	PASS
		VN	20	-4.60	-0.006447	± 2.5	PASS
	VN	30	-6.50	-0.009110	± 2.5	PASS	



		VN	40	-2.60	-0.003644	± 2.5	PASS
		VN	50	-1.10	-0.001542	± 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	4.60	0.006534	± 2.5	PASS
		VN	TN	1.00	0.001420	± 2.5	PASS
		VH	TN	5.30	0.007528	± 2.5	PASS
	MCH	VL	TN	0.10	0.000141	± 2.5	PASS
		VN	TN	-4.20	-0.005936	± 2.5	PASS
		VH	TN	2.70	0.003816	± 2.5	PASS
	HCH	VL	TN	2.20	0.003094	± 2.5	PASS
		VN	TN	1.50	0.002110	± 2.5	PASS
		VH	TN	2.60	0.003657	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.90	0.001278	± 2.5	PASS
		VN	-20	3.70	0.005256	± 2.5	PASS
		VN	-10	4.70	0.006676	± 2.5	PASS
		VN	0	0.50	0.000710	± 2.5	PASS
		VN	10	-2.40	-0.003409	± 2.5	PASS
		VN	20	1.40	0.001696	± 2.5	PASS
		VN	30	7.60	0.010795	± 2.5	PASS
		VN	40	8.20	0.011648	± 2.5	PASS
		VN	50	9.60	0.013636	± 2.5	PASS
	MCH	VN	-30	-4.80	-0.006784	± 2.5	PASS
		VN	-20	-0.30	-0.000424	± 2.5	PASS
		VN	-10	-1.10	-0.001555	± 2.5	PASS
		VN	0	-0.20	-0.000283	± 2.5	PASS
		VN	10	-5.40	-0.007633	± 2.5	PASS
		VN	20	-1.70	-0.002403	± 2.5	PASS
		VN	30	-7.20	-0.010177	± 2.5	PASS
		VN	40	-0.80	-0.001131	± 2.5	PASS
		VN	50	-4.80	-0.006784	± 2.5	PASS
	HCH	VN	-30	-1.80	-0.002532	± 2.5	PASS
		VN	-20	-5.20	-0.007314	± 2.5	PASS
		VN	-10	-2.20	-0.003094	± 2.5	PASS
		VN	0	-1.60	-0.002250	± 2.5	PASS
		VN	10	1.60	0.002250	± 2.5	PASS
		VN	20	1.50	0.002110	± 2.5	PASS
		VN	30	-3.70	-0.005204	± 2.5	PASS
		VN	40	-1.10	-0.001547	± 2.5	PASS
	VN	50	3.50	0.004923	± 2.5	PASS	

