



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	22.57	PASS
		1	12	22.60	PASS
		1	24	22.85	PASS
		12	0	21.73	PASS
		12	6	21.81	PASS
		12	13	21.80	PASS
		25	0	21.88	PASS
	MCH	1	0	22.75	PASS
		1	12	22.68	PASS
		1	24	22.81	PASS
		12	0	21.86	PASS
		12	6	21.92	PASS
		12	13	21.79	PASS
		25	0	21.88	PASS
	HCH	1	0	22.72	PASS
		1	12	22.63	PASS
		1	24	22.77	PASS
		12	0	21.79	PASS
		12	6	21.84	PASS
		12	13	21.90	PASS
		25	0	21.84	PASS
16QAM	LCH	1	0	22.31	PASS
		1	12	22.13	PASS
		1	24	22.37	PASS
		12	0	20.76	PASS
		12	6	20.83	PASS
		12	13	20.96	PASS
		25	0	20.88	PASS
	MCH	1	0	22.38	PASS
		1	12	22.12	PASS
		1	24	22.34	PASS



		12	0	20.95	PASS
		12	6	20.97	PASS
		12	13	20.90	PASS
		25	0	20.83	PASS
	HCH	1	0	22.22	PASS
		1	12	22.21	PASS
		1	24	22.25	PASS
		12	0	20.91	PASS
		12	6	20.87	PASS
		12	13	20.97	PASS
		25	0	20.96	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.55	PASS
		1	24	22.61	PASS
		1	49	22.57	PASS
		25	0	21.75	PASS
		25	12	21.84	PASS
		25	25	21.69	PASS
		50	0	21.83	PASS
	MCH	1	0	22.54	PASS
		1	24	22.58	PASS
		1	49	22.54	PASS
		25	0	21.87	PASS
		25	12	21.78	PASS
		25	25	21.71	PASS
		50	0	21.84	PASS
	HCH	1	0	22.56	PASS
		1	24	22.54	PASS
		1	49	22.70	PASS
		25	0	21.87	PASS
		25	12	21.77	PASS
		25	25	21.85	PASS
		50	0	21.90	PASS
16QAM	LCH	1	0	22.02	PASS
		1	24	22.05	PASS



		1	49	22.16	PASS
		25	0	20.61	PASS
		25	12	20.83	PASS
		25	25	20.69	PASS
		50	0	20.88	PASS
	MCH	1	0	21.95	PASS
		1	24	22.02	PASS
		1	49	22.24	PASS
		25	0	20.86	PASS
		25	12	20.76	PASS
		25	25	20.76	PASS
		50	0	20.88	PASS
	HCH	1	0	22.07	PASS
		1	24	22.08	PASS
		1	49	22.21	PASS
		25	0	20.87	PASS
		25	12	20.73	PASS
		25	25	20.90	PASS
		50	0	20.93	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	3.74	<13	PASS
16QAM	MCH	1	0	4.26	<13	PASS

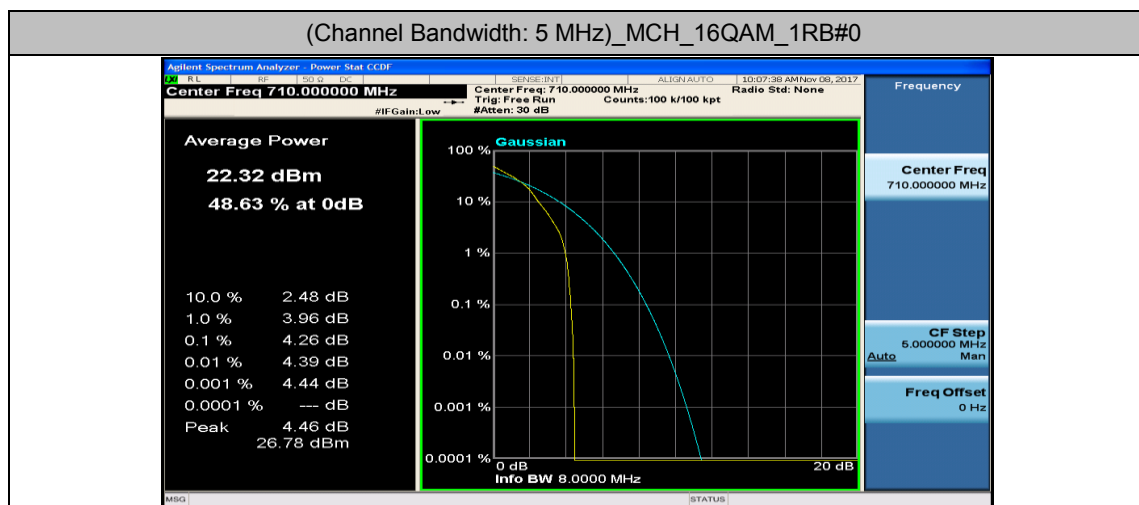
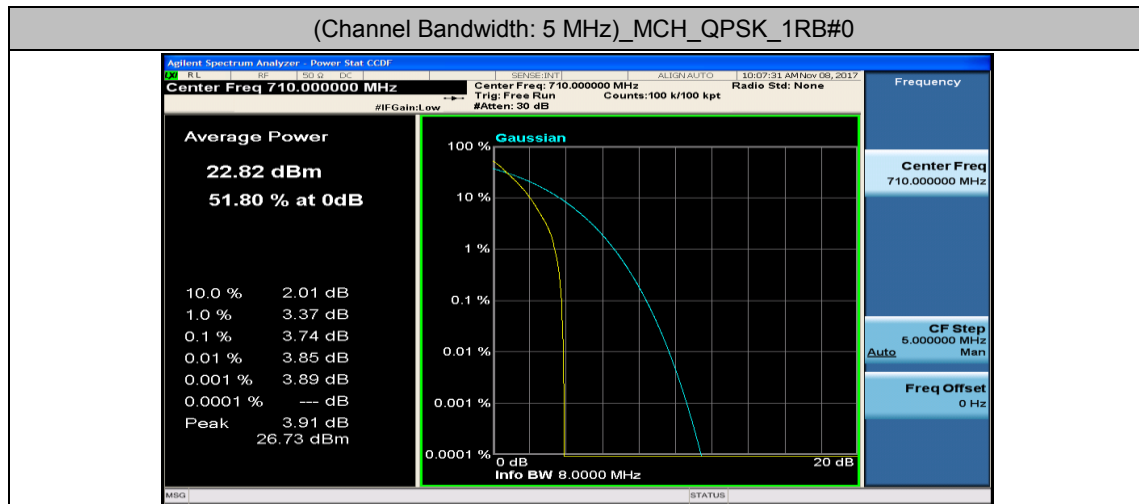
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	3.54	<13	PASS
16QAM	MCH	1	0	4.21	<13	PASS



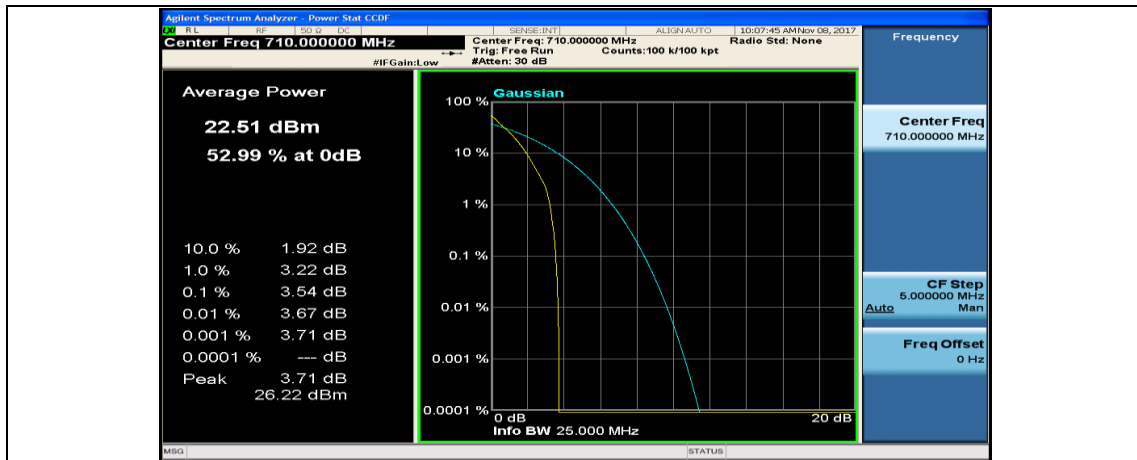
Test Graphs

Channel Bandwidth: 5 MHz

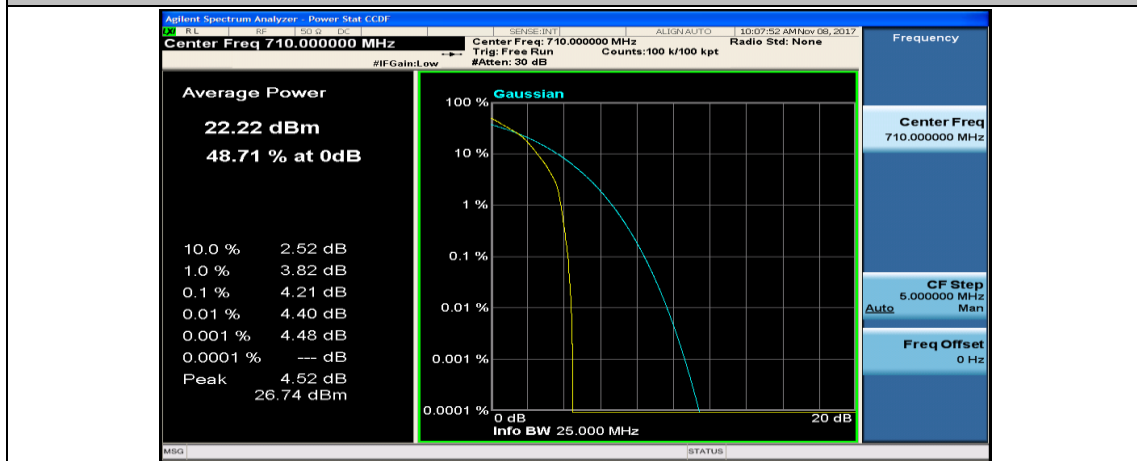


Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0





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	4.4702	4.788	PASS
	MCH	25	0	4.4577	4.763	PASS
	HCH	25	0	4.4844	4.744	PASS
16QAM	LCH	25	0	4.4868	4.791	PASS
	MCH	25	0	4.4705	4.802	PASS
	HCH	25	0	4.4935	4.772	PASS

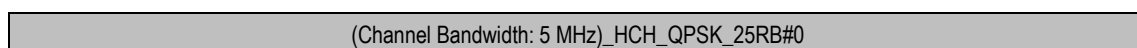
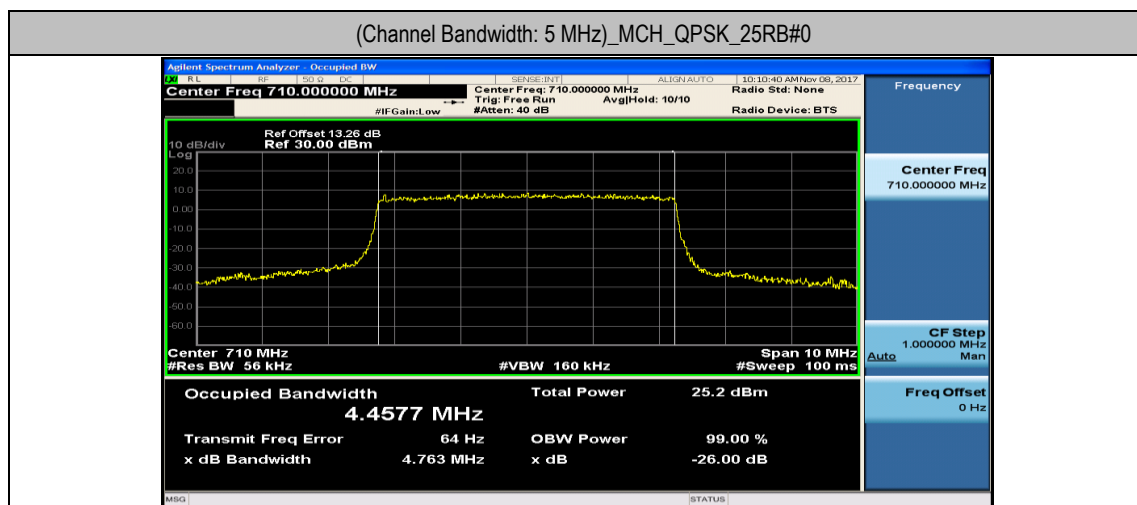
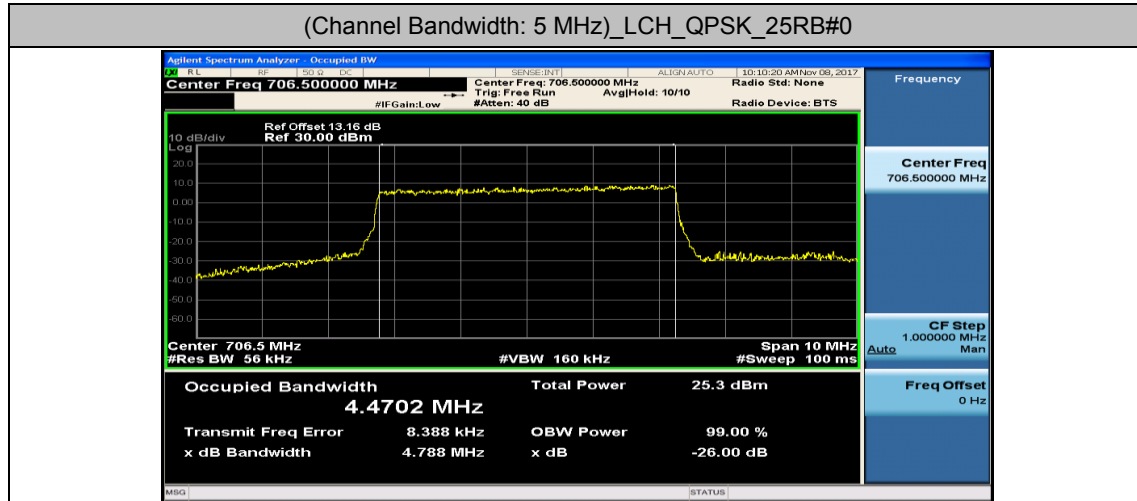
Channel Bandwidth: 10 MHz

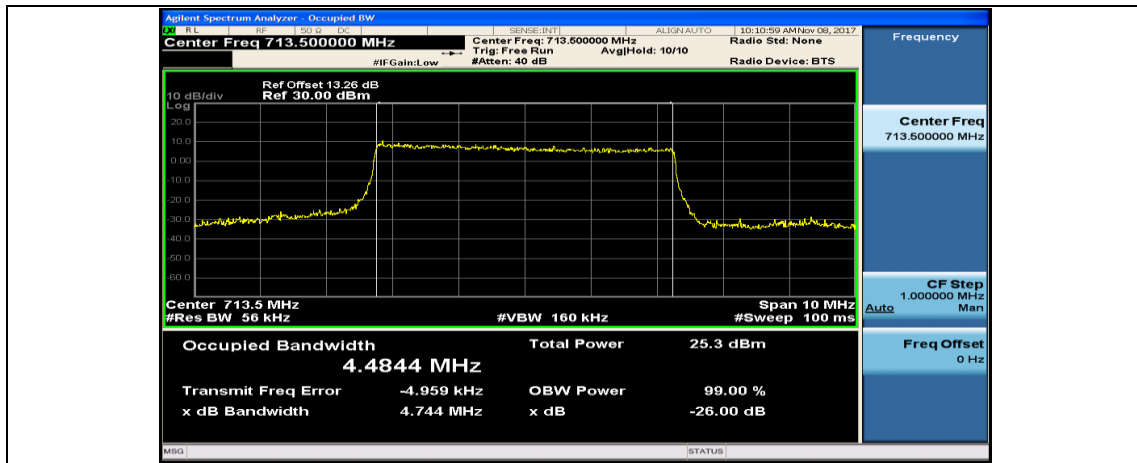
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.8907	9.339	PASS
	MCH	50	0	8.8714	9.344	PASS
	HCH	50	0	8.8919	9.306	PASS
16QAM	LCH	50	0	8.8967	9.340	PASS
	MCH	50	0	8.8910	9.317	PASS
	HCH	50	0	8.9019	9.367	PASS



Test Graphs

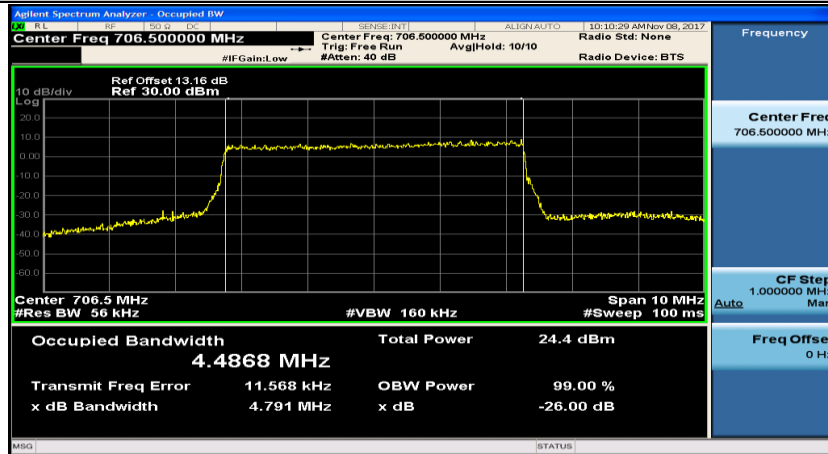
Channel Bandwidth: 5 MHz



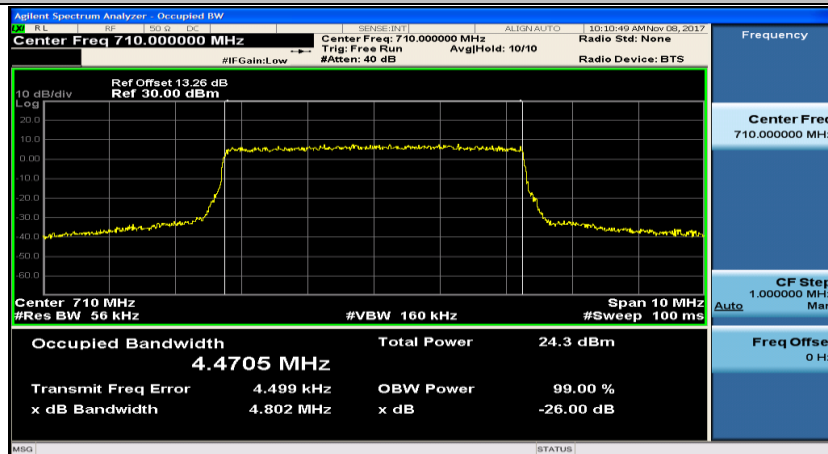




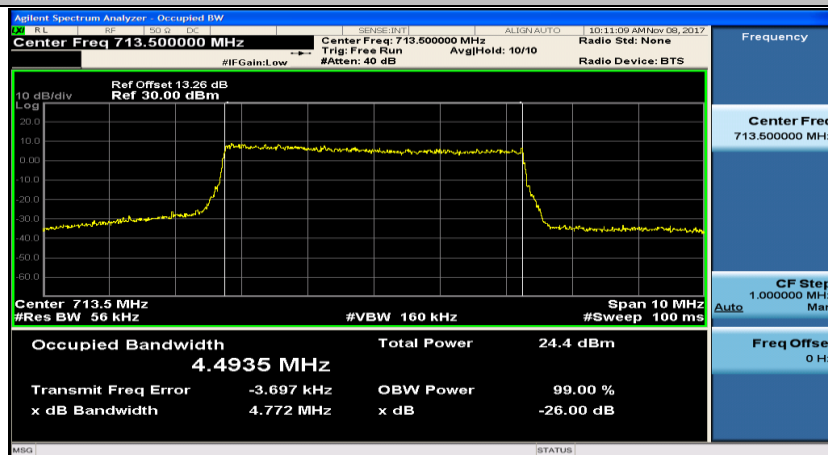
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



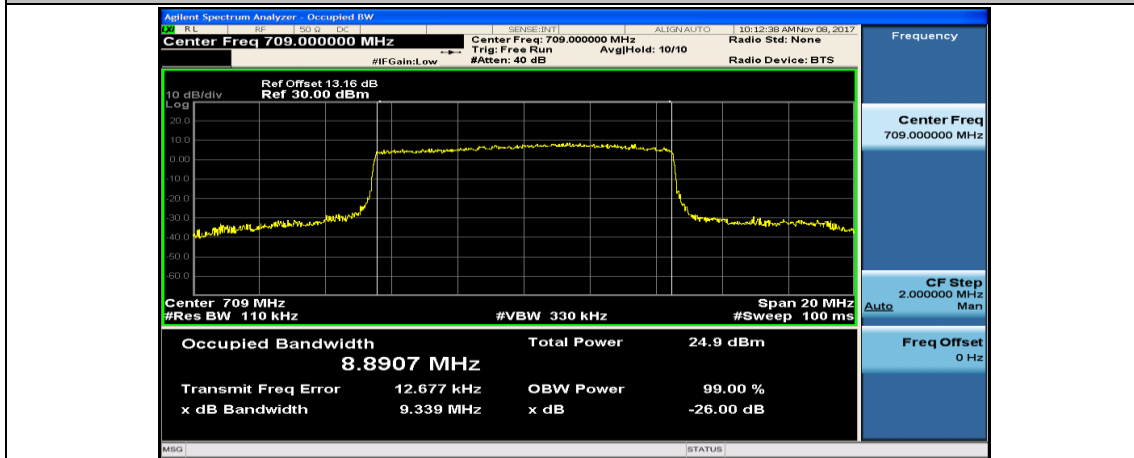
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



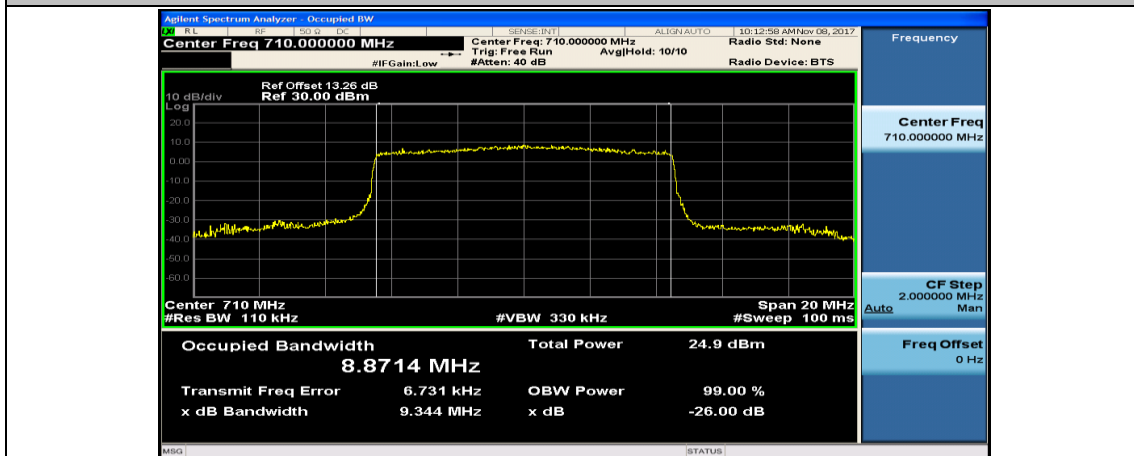


Channel Bandwidth: 10 MHz

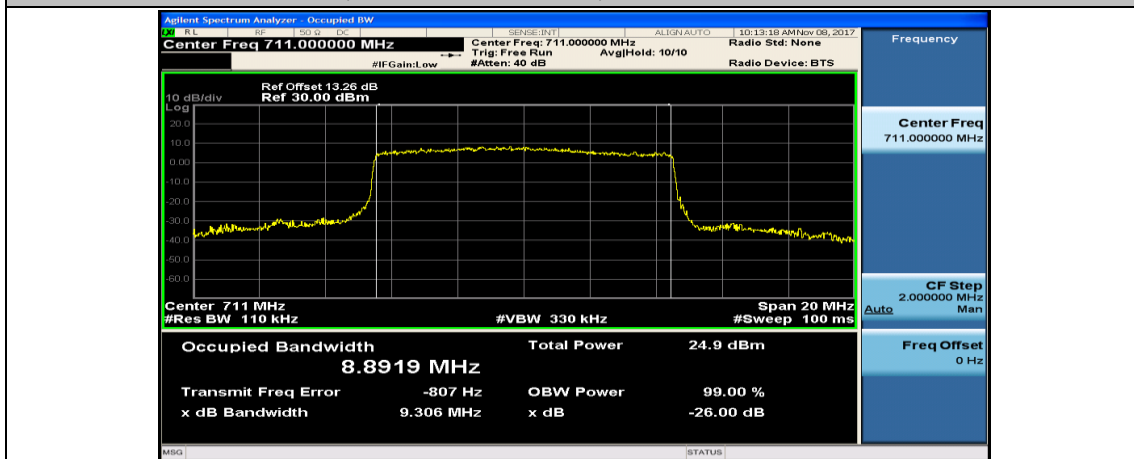
(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0



(Channel Bandwidth: 10 MHz)_MCH_QPSK_50RB#0

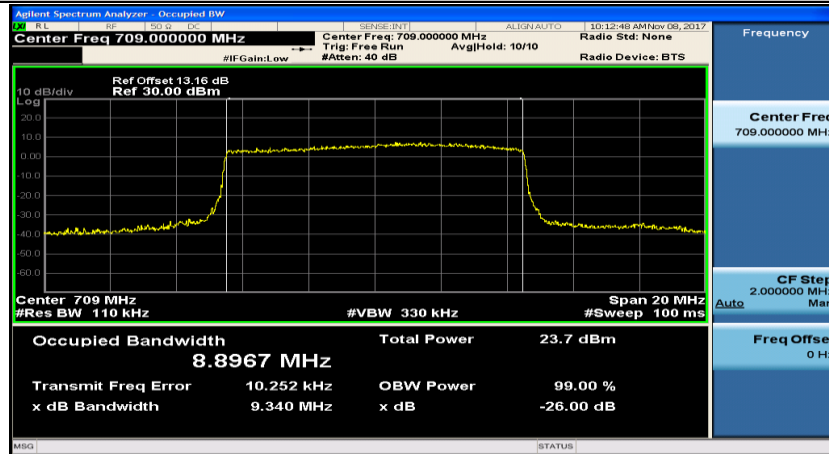


(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0

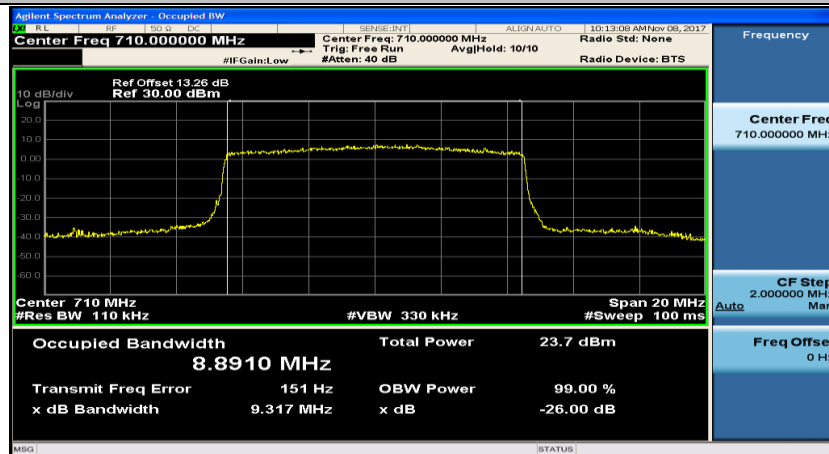




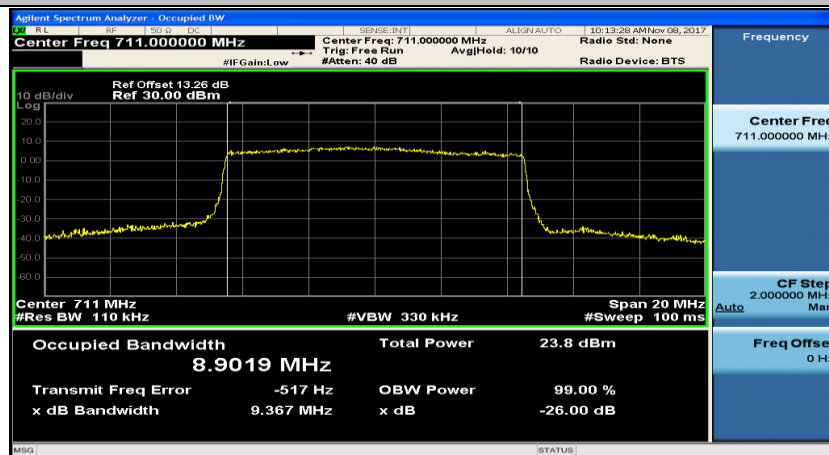
(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



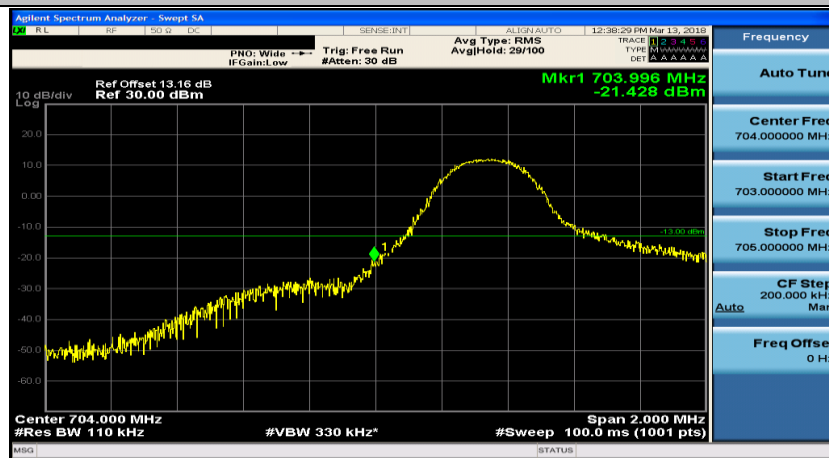


Appendix D: Band Edge

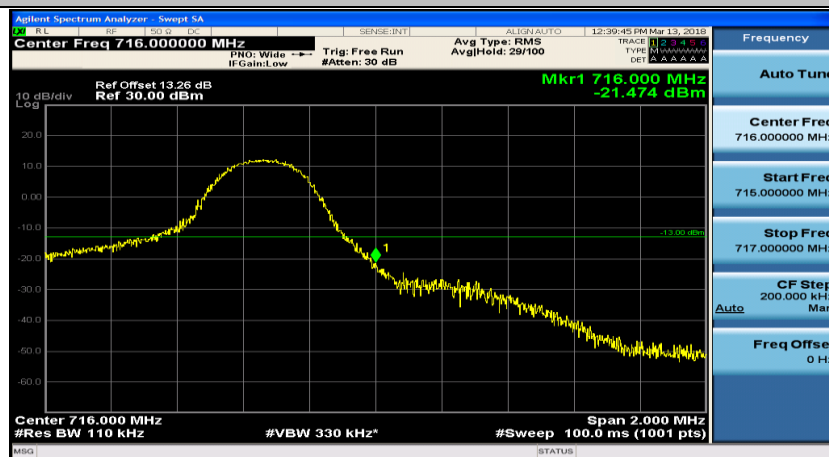
Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

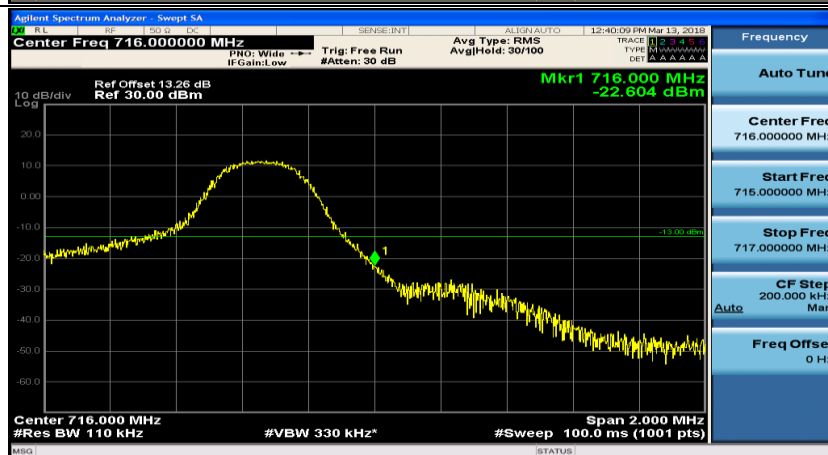
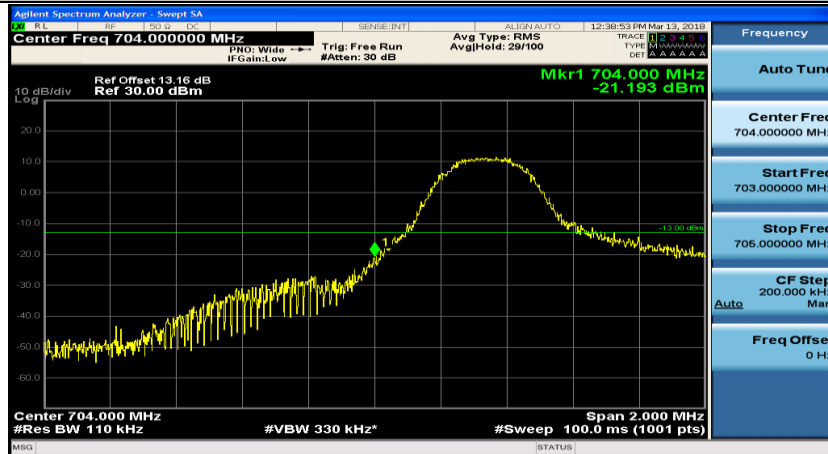


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



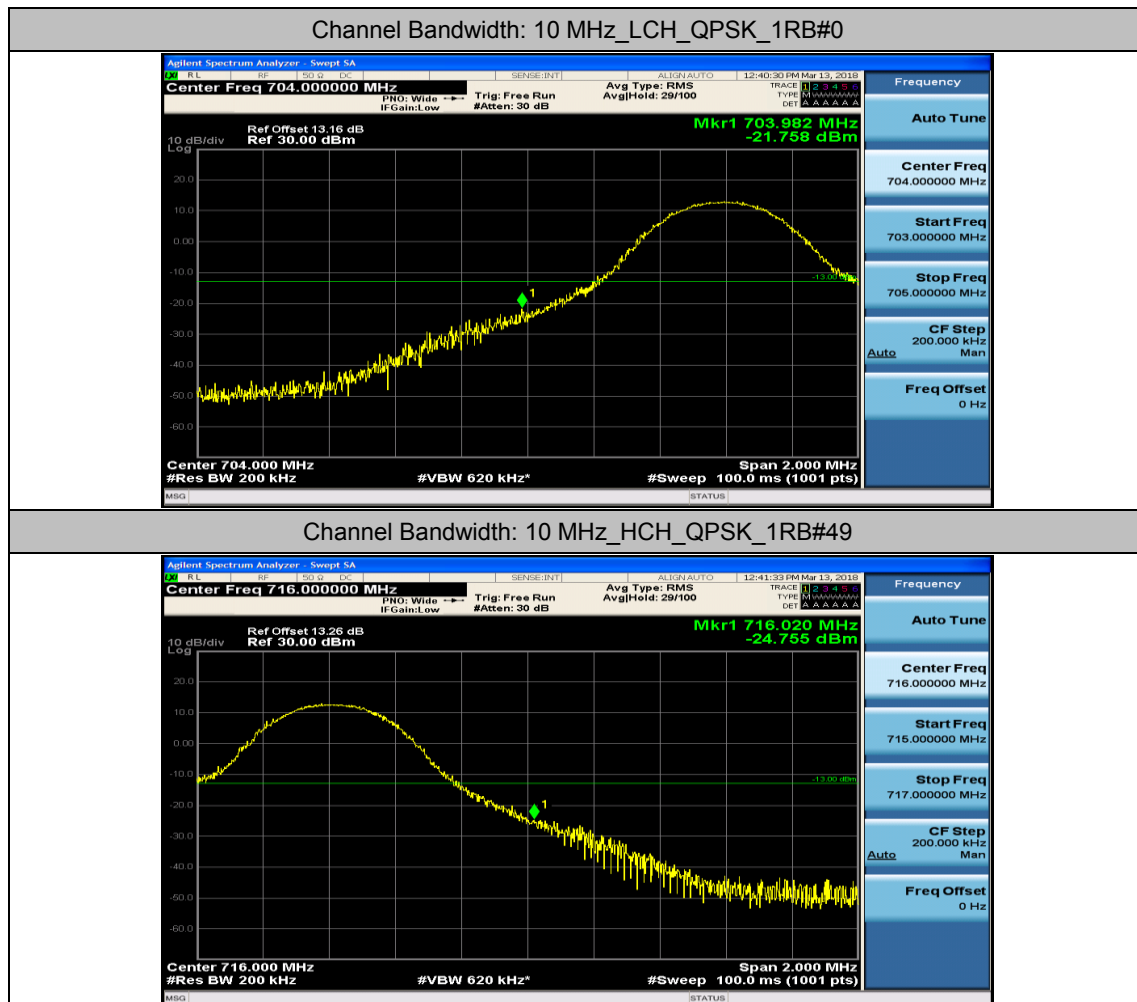


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



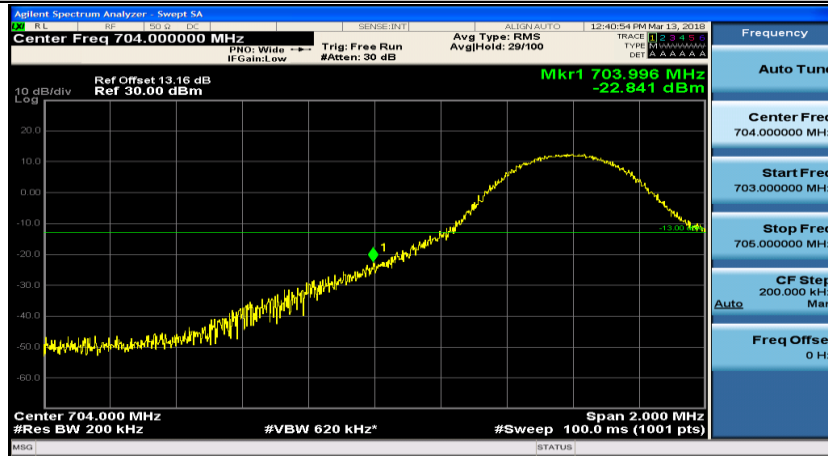


Channel Bandwidth: 10 MHz

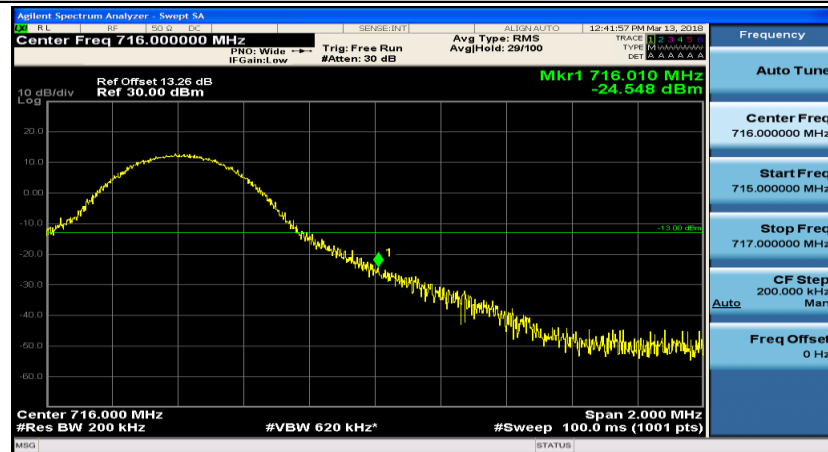




Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

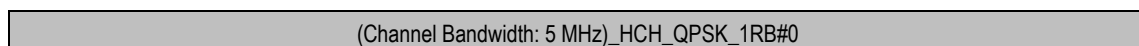
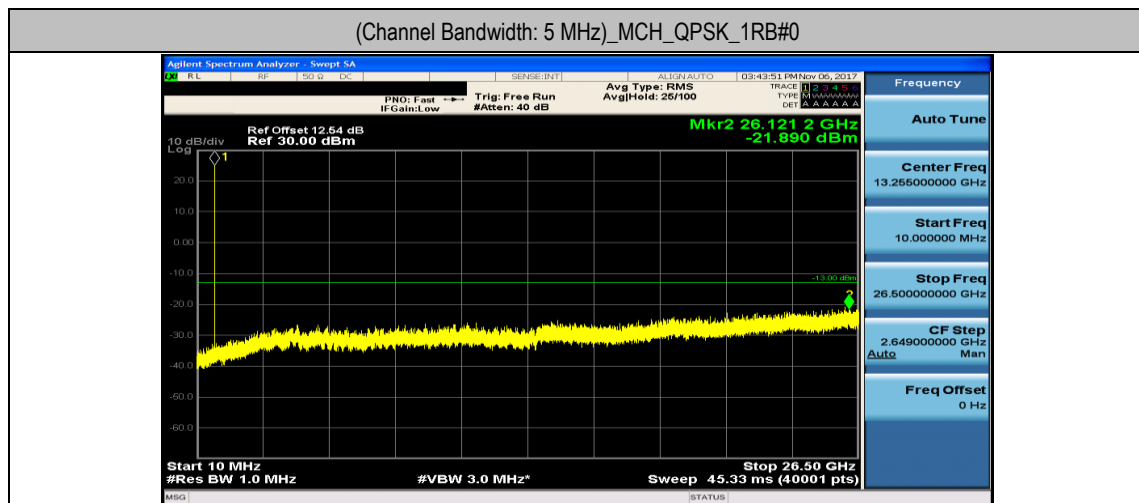
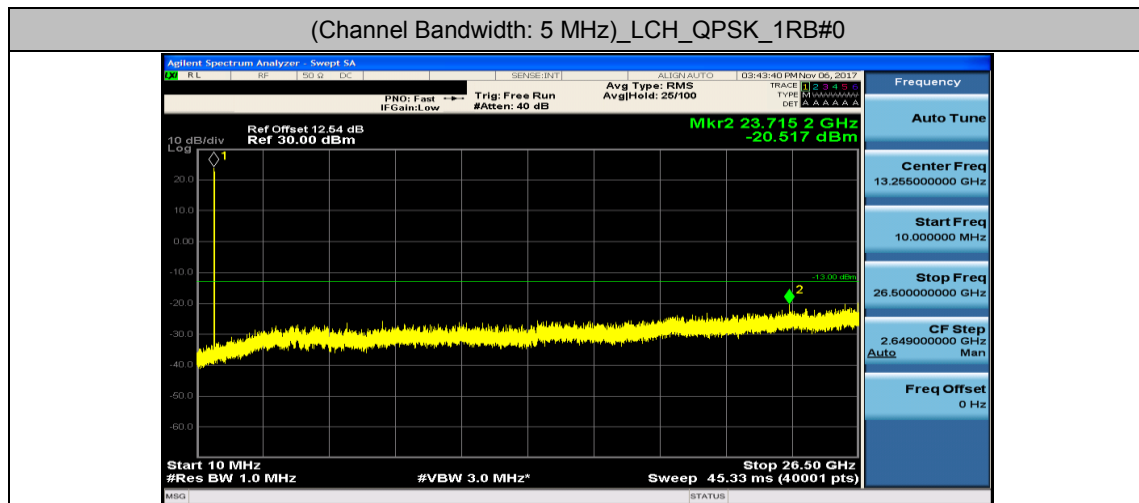


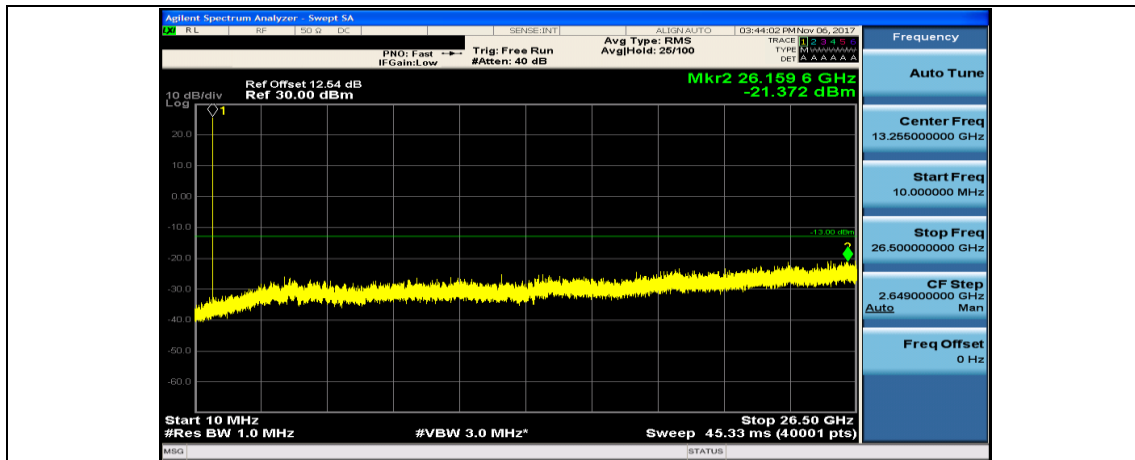


Appendix E: Conducted Spurious Emission

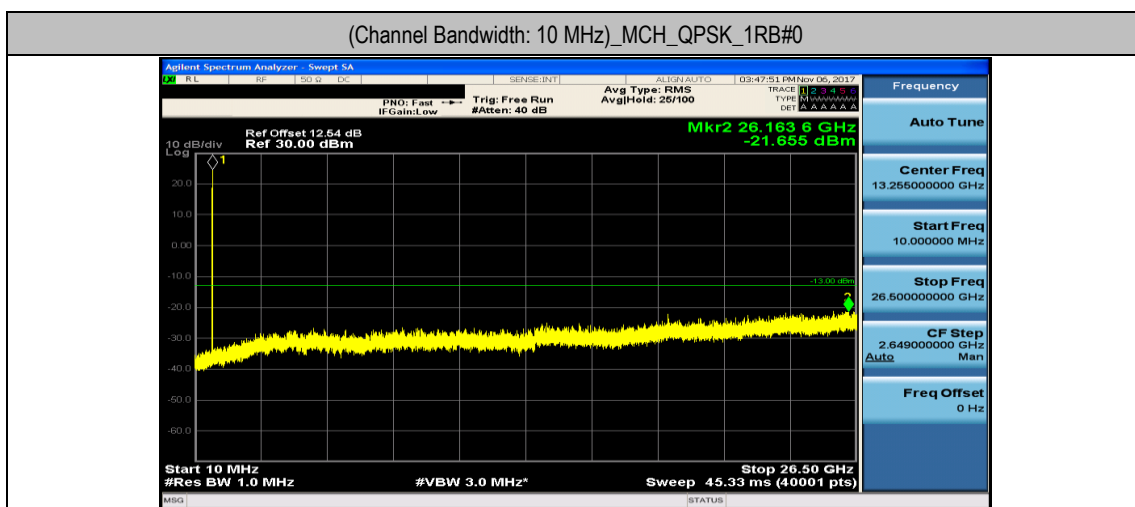
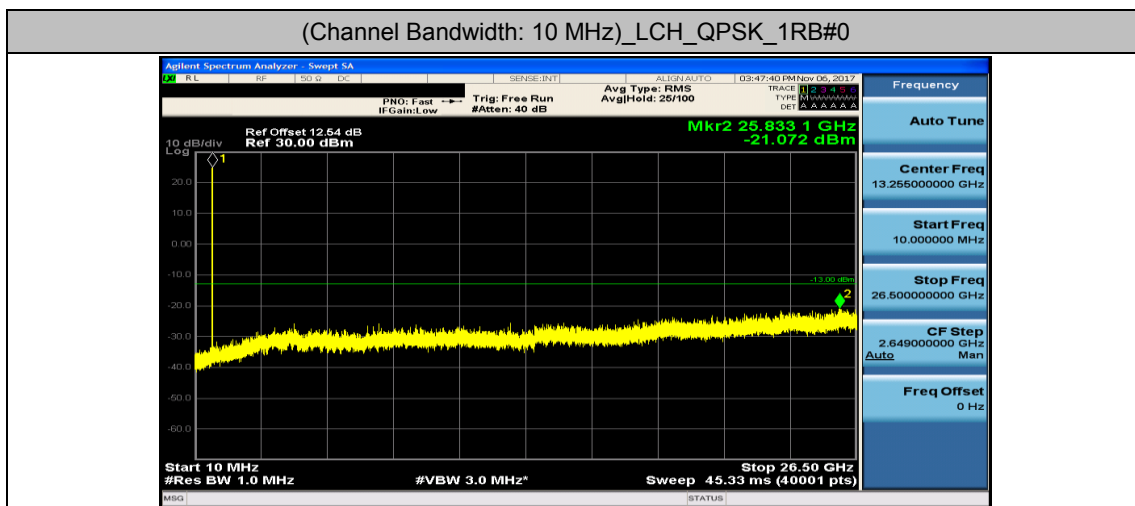
Test Graphs

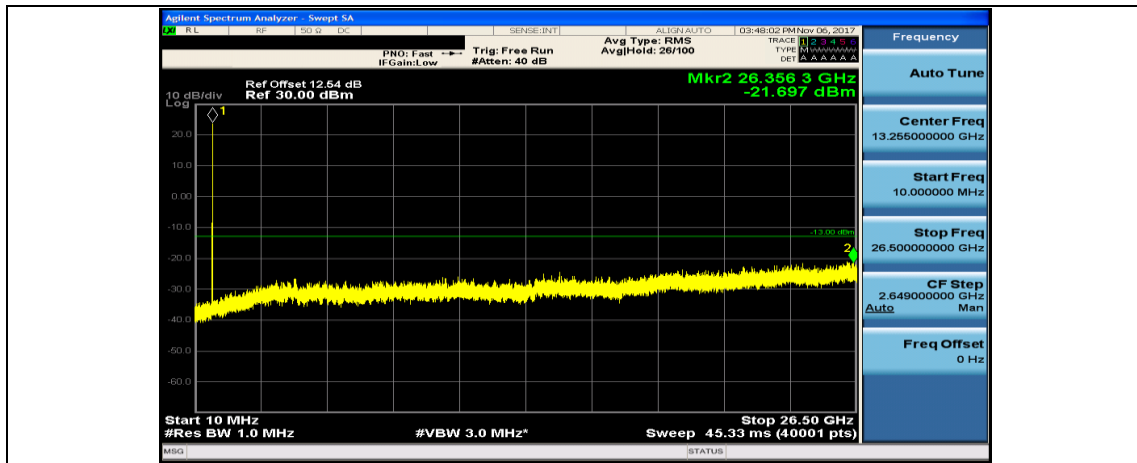
Channel Bandwidth: 5 MHz





Channel Bandwidth: 10 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	-2.50	-0.003539	± 2.5	PASS
		VN	TN	-1.40	-0.001982	± 2.5	PASS
		VH	TN	0.00	0.000000	± 2.5	PASS
	MCH	VL	TN	0.90	0.001268	± 2.5	PASS
		VN	TN	-0.60	-0.000845	± 2.5	PASS
		VH	TN	1.40	0.001972	± 2.5	PASS
	HCH	VL	TN	-0.50	-0.000701	± 2.5	PASS
		VN	TN	-1.90	-0.002663	± 2.5	PASS
		VH	TN	-1.10	-0.001542	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2.60	-0.003680	± 2.5	PASS
		VN	-20	-1.00	-0.001415	± 2.5	PASS
		VN	-10	-1.60	-0.002265	± 2.5	PASS
		VN	0	-0.60	-0.000849	± 2.5	PASS
		VN	10	-1.40	-0.001982	± 2.5	PASS
		VN	20	-1.40	-0.001982	± 2.5	PASS
		VN	30	-1.00	-0.001415	± 2.5	PASS
		VN	40	-0.60	-0.000849	± 2.5	PASS
		VN	50	-0.50	-0.000708	± 2.5	PASS
	MCH	VN	-30	0.50	0.000704	± 2.5	PASS
		VN	-20	-0.10	-0.000141	± 2.5	PASS
		VN	-10	0.50	0.000704	± 2.5	PASS
		VN	0	-1.30	-0.001831	± 2.5	PASS
		VN	10	-0.30	-0.000423	± 2.5	PASS
		VN	20	1.00	0.001408	± 2.5	PASS
		VN	30	1.00	0.001408	± 2.5	PASS
		VN	40	0.00	0.000000	± 2.5	PASS
VN	50	-1.20	-0.001690	± 2.5	PASS		
HCH	VN	-30	-0.80	-0.001121	± 2.5	PASS	



		VN	-20	-0.50	-0.000701	± 2.5	PASS
		VN	-10	-0.50	-0.000701	± 2.5	PASS
		VN	0	-1.20	-0.001682	± 2.5	PASS
		VN	10	-0.80	-0.001121	± 2.5	PASS
		VN	20	-0.90	-0.001261	± 2.5	PASS
		VN	30	-0.80	-0.001121	± 2.5	PASS
		VN	40	-1.40	-0.001962	± 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	0.00	0.000000	± 2.5	PASS
		VN	TN	-0.20	-0.000282	± 2.5	PASS
		VH	TN	-1.40	-0.001975	± 2.5	PASS
	MCH	VL	TN	-1.40	-0.001972	± 2.5	PASS
		VN	TN	1.10	0.001549	± 2.5	PASS
		VH	TN	-0.30	-0.000423	± 2.5	PASS
	HCH	VL	TN	-2.60	-0.003657	± 2.5	PASS
		VN	TN	-1.60	-0.002250	± 2.5	PASS
		VH	TN	-3.10	-0.004360	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.70	0.000987	± 2.5	PASS
		VN	-20	0.00	0.000000	± 2.5	PASS
		VN	-10	-1.10	-0.001551	± 2.5	PASS
		VN	0	0.60	0.000846	± 2.5	PASS
		VN	10	-1.20	-0.001693	± 2.5	PASS
		VN	20	-0.90	-0.001269	± 2.5	PASS
		VN	30	-1.00	-0.001410	± 2.5	PASS
		VN	40	0.00	0.000000	± 2.5	PASS
		VN	50	-0.90	-0.001269	± 2.5	PASS
	MCH	VN	-30	-1.70	-0.002394	± 2.5	PASS
		VN	-20	-0.10	-0.000141	± 2.5	PASS
		VN	-10	-2.40	-0.003380	± 2.5	PASS
		VN	0	0.50	0.000704	± 2.5	PASS
		VN	10	-0.40	-0.000563	± 2.5	PASS
		VN	20	-0.70	-0.000986	± 2.5	PASS
		VN	30	0.70	0.000986	± 2.5	PASS
		VN	40	-0.80	-0.001127	± 2.5	PASS
		VN	50	-0.10	-0.000141	± 2.5	PASS
	HCH	VN	-30	-1.00	-0.001406	± 2.5	PASS



		VN	-20	-0.50	-0.000703	± 2.5	PASS
		VN	-10	-2.00	-0.002813	± 2.5	PASS
		VN	0	-1.20	-0.001688	± 2.5	PASS
		VN	10	-2.20	-0.003094	± 2.5	PASS
		VN	20	-0.60	-0.000844	± 2.5	PASS
		VN	30	-2.00	-0.002813	± 2.5	PASS
		VN	40	-1.90	-0.002672	± 2.5	PASS
		VN	50	-1.70	-0.002391	± 2.5	PASS