



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	22.52	PASS
		1	12	22.57	PASS
		1	24	22.52	PASS
		12	0	21.55	PASS
		12	6	21.59	PASS
		12	13	21.58	PASS
		25	0	21.61	PASS
	MCH	1	0	22.48	PASS
		1	12	22.63	PASS
		1	24	22.61	PASS
		12	0	21.62	PASS
		12	6	21.67	PASS
		12	13	21.63	PASS
		25	0	21.67	PASS
	HCH	1	0	22.64	PASS
		1	12	22.67	PASS
		1	24	22.66	PASS
		12	0	21.72	PASS
		12	6	21.71	PASS
		12	13	21.74	PASS
		25	0	21.70	PASS
16QAM	LCH	1	0	21.75	PASS
		1	12	21.68	PASS
		1	24	21.65	PASS
		12	0	20.59	PASS
		12	6	20.59	PASS
		12	13	20.57	PASS
		25	0	20.60	PASS
	MCH	1	0	21.61	PASS
		1	12	21.84	PASS
		1	24	21.94	PASS
		12	0	20.66	PASS

		12	6	20.73	PASS
		12	13	20.75	PASS
		25	0	20.68	PASS
	HCH	1	0	21.96	PASS
		1	12	22.04	PASS
		1	24	21.95	PASS
		12	0	20.84	PASS
		12	6	20.84	PASS
		12	13	20.79	PASS
		25	0	20.79	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.47	PASS
		1	24	22.49	PASS
		1	49	22.60	PASS
		25	0	21.56	PASS
		25	12	21.71	PASS
		25	25	21.67	PASS
		50	0	21.67	PASS
	MCH	1	0	22.48	PASS
		1	24	22.58	PASS
		1	49	22.58	PASS
		25	0	21.66	PASS
		25	12	21.68	PASS
		25	25	21.66	PASS
		50	0	21.65	PASS
	HCH	1	0	22.46	PASS
		1	24	22.59	PASS
		1	49	22.58	PASS
		25	0	21.62	PASS
		25	12	21.65	PASS
		25	25	21.66	PASS
		50	0	21.63	PASS
16QAM	LCH	1	0	21.69	PASS
		1	24	21.66	PASS
		1	49	21.97	PASS
		25	0	20.57	PASS
		25	12	20.71	PASS
		25	25	20.74	PASS



		50	0	20.71	PASS
	MCH	1	0	21.62	PASS
		1	24	21.81	PASS
		1	49	21.92	PASS
		25	0	20.67	PASS
		25	12	20.71	PASS
		25	25	20.74	PASS
		50	0	20.70	PASS
	HCH	1	0	21.58	PASS
		1	24	21.87	PASS
		1	49	21.85	PASS
		25	0	20.66	PASS
		25	12	20.73	PASS
		25	25	20.70	PASS
		50	0	20.70	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	LCH	1	0	3.27	<13	PASS
QPSK	MCH	1	0	2.75	<13	PASS
QPSK	HCH	1	0	3.38	<13	PASS
16QAM	LCH	1	0	4.56	<13	PASS
16QAM	MCH	1	0	4.09	<13	PASS
16QAM	HCH	1	0	5	<13	PASS

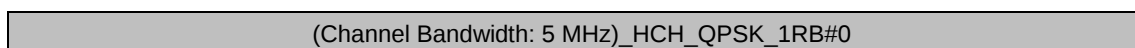
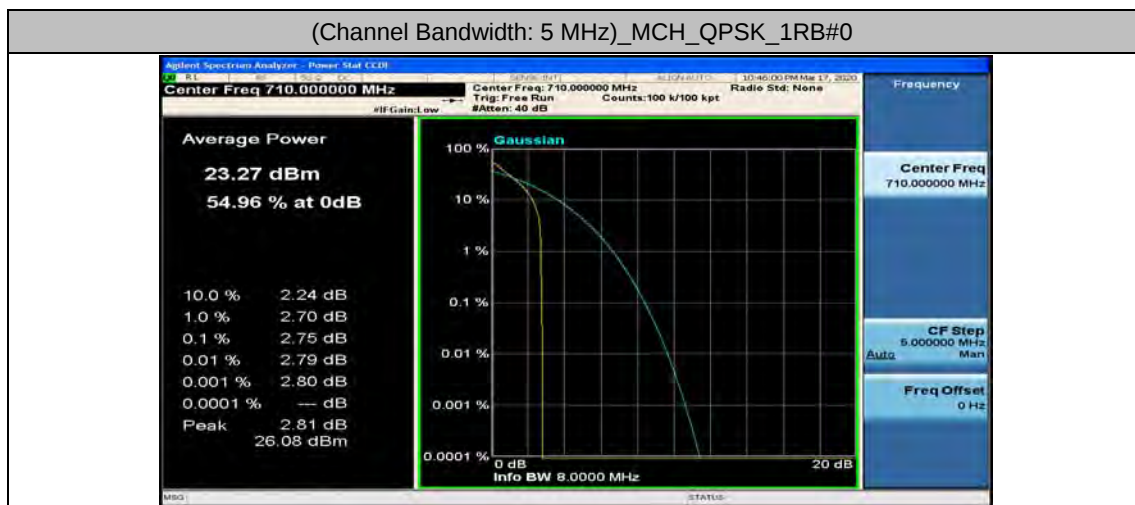
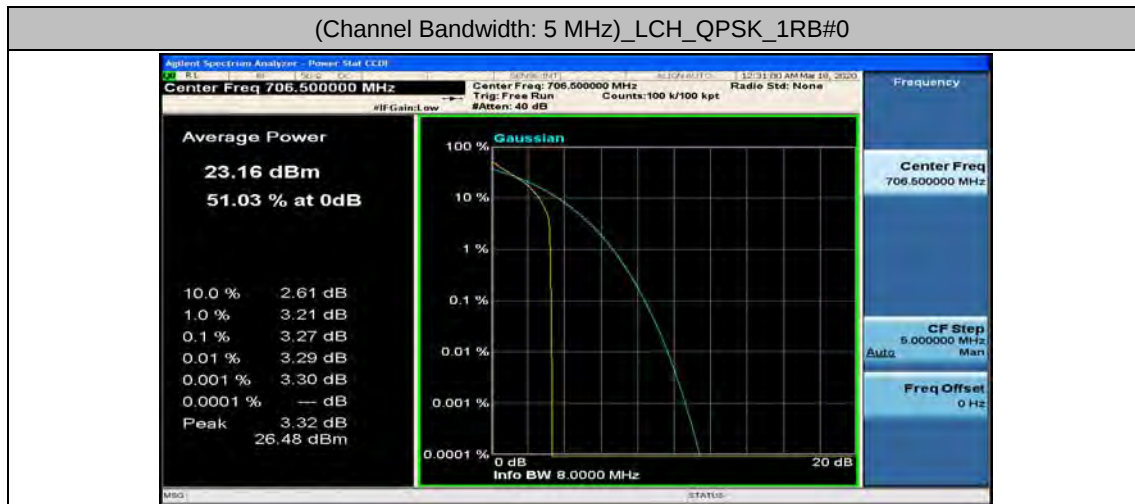
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.14	<13	PASS
QPSK	MCH	1	0	2.87	<13	PASS
QPSK	HCH	1	0	2.73	<13	PASS
16QAM	LCH	1	0	4.59	<13	PASS
16QAM	MCH	1	0	4.34	<13	PASS
16QAM	HCH	1	0	4.2	<13	PASS



Test Graphs

Channel Bandwidth: 5 MHz





(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



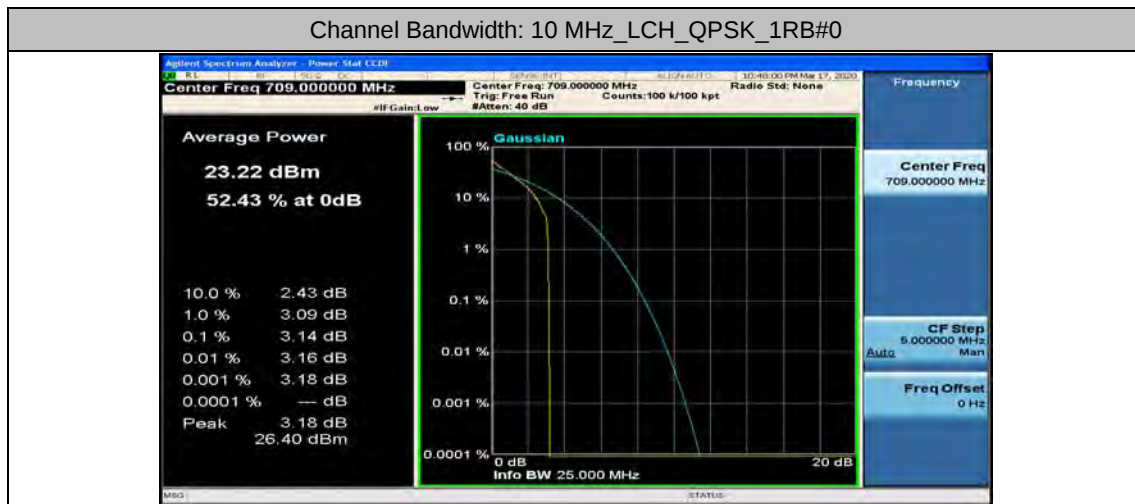
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



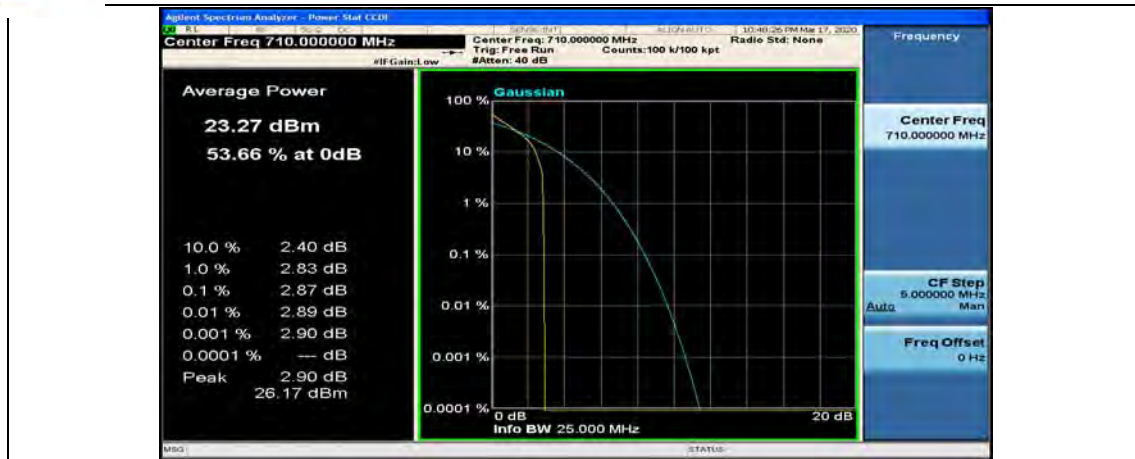
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



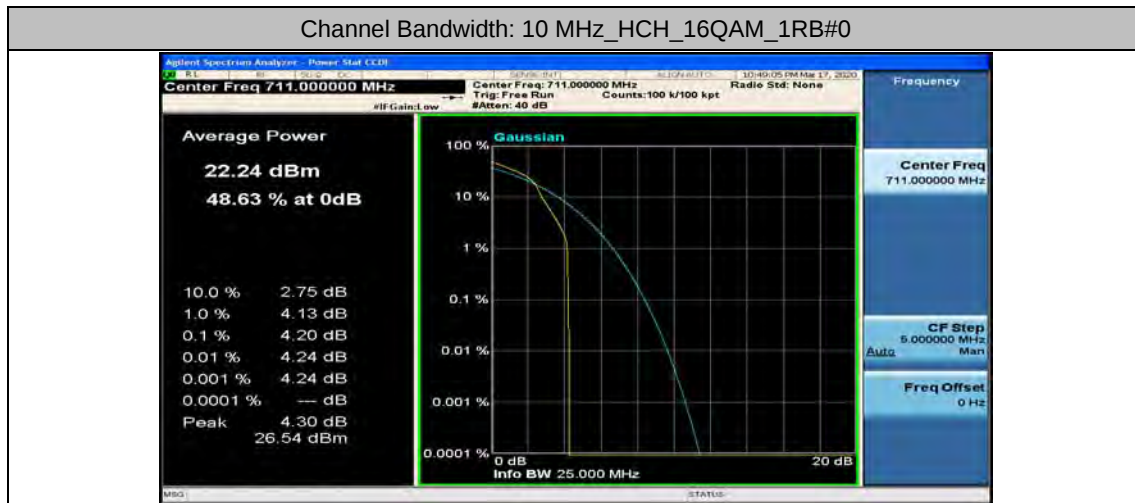
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_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	4.4736	4.812	PASS
	MCH	25	0	4.4894	4.825	PASS
	HCH	25	0	4.4706	4.785	PASS
16QAM	LCH	25	0	4.4742	4.733	PASS
	MCH	25	0	4.4754	4.797	PASS
	HCH	25	0	4.4755	4.807	PASS

Channel Bandwidth: 10 MHz

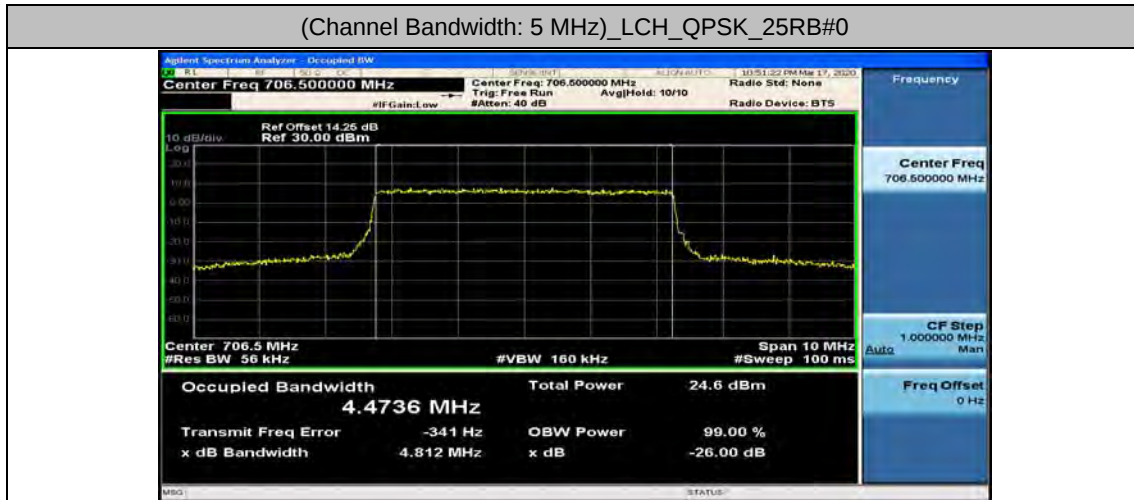
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9307	9.360	PASS
	MCH	50	0	8.9497	9.600	PASS
	HCH	50	0	8.9324	9.562	PASS
16QAM	LCH	50	0	8.9437	9.444	PASS
	MCH	50	0	8.9344	9.413	PASS
	HCH	50	0	8.9511	9.449	PASS

Test Graphs

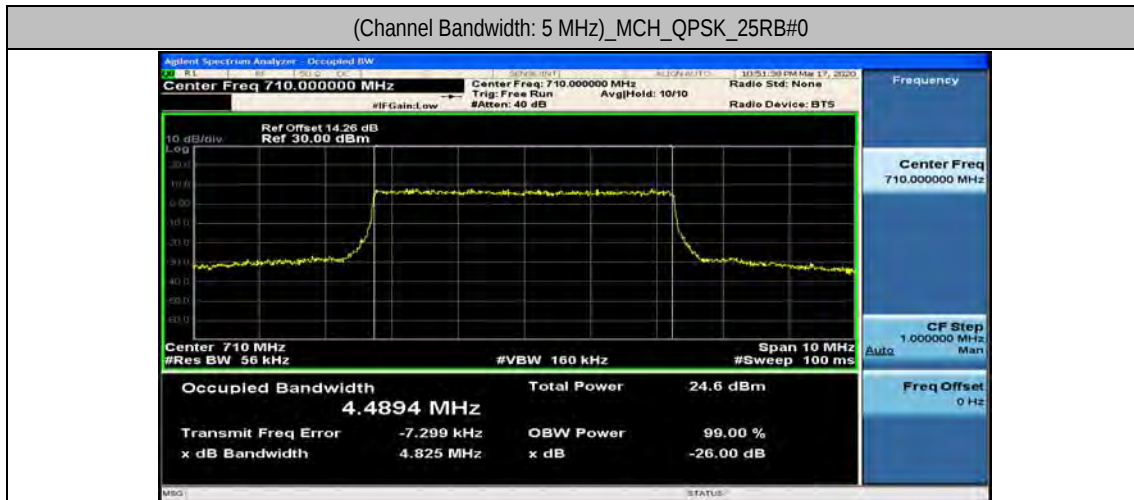


Channel Bandwidth: 5 MHz

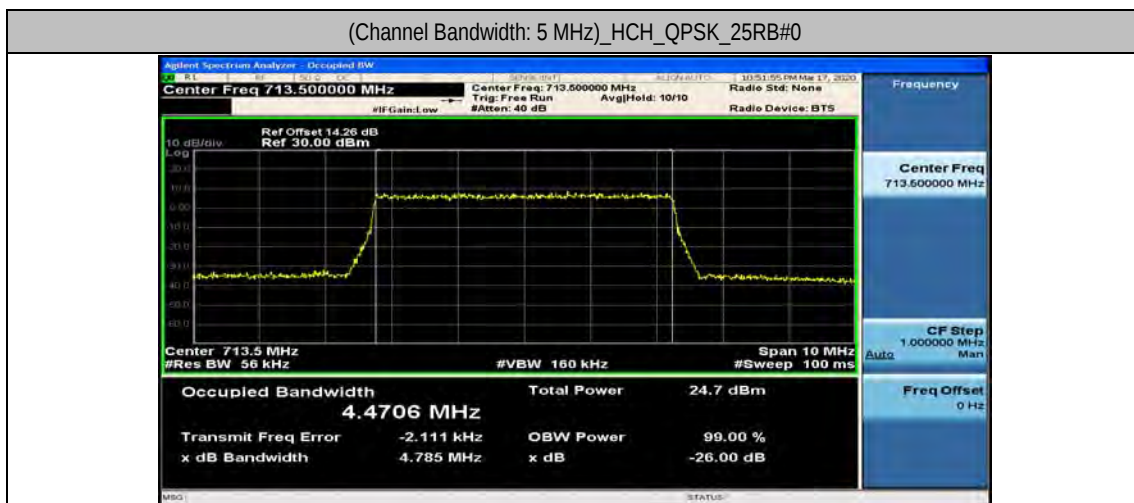
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

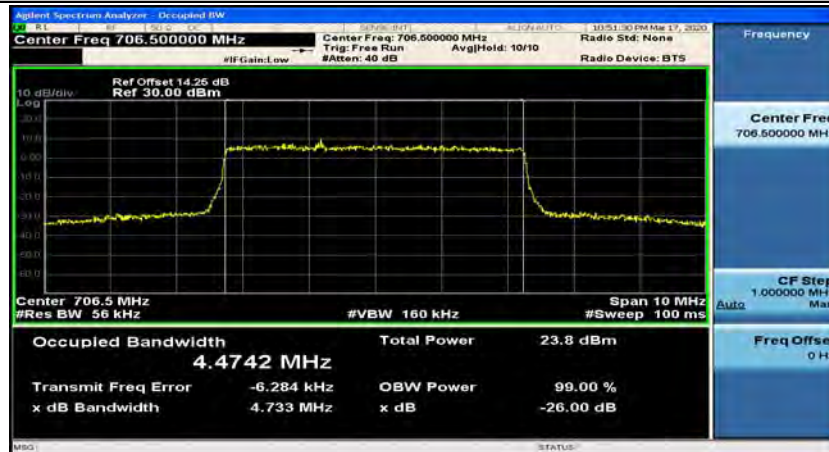


(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

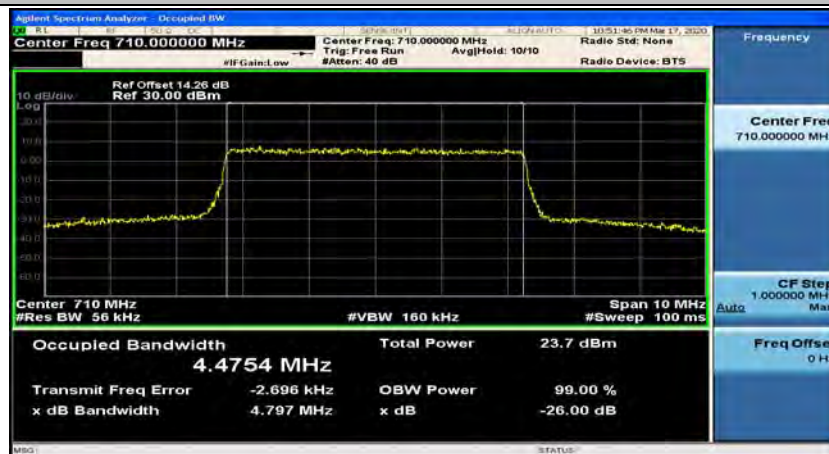




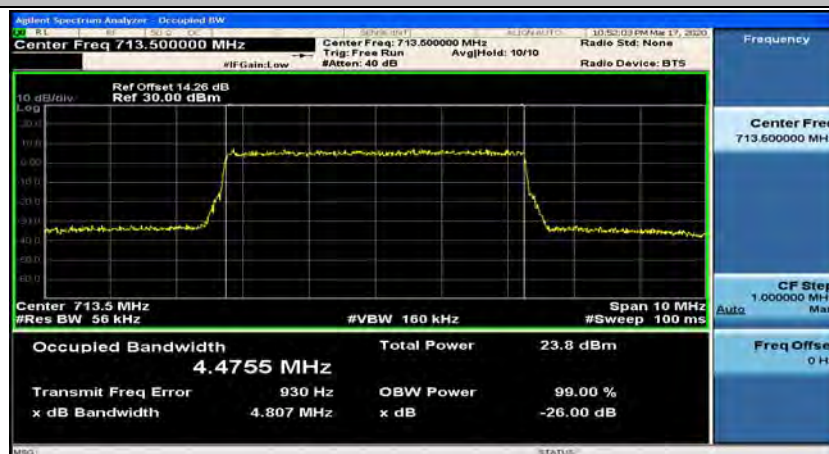
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



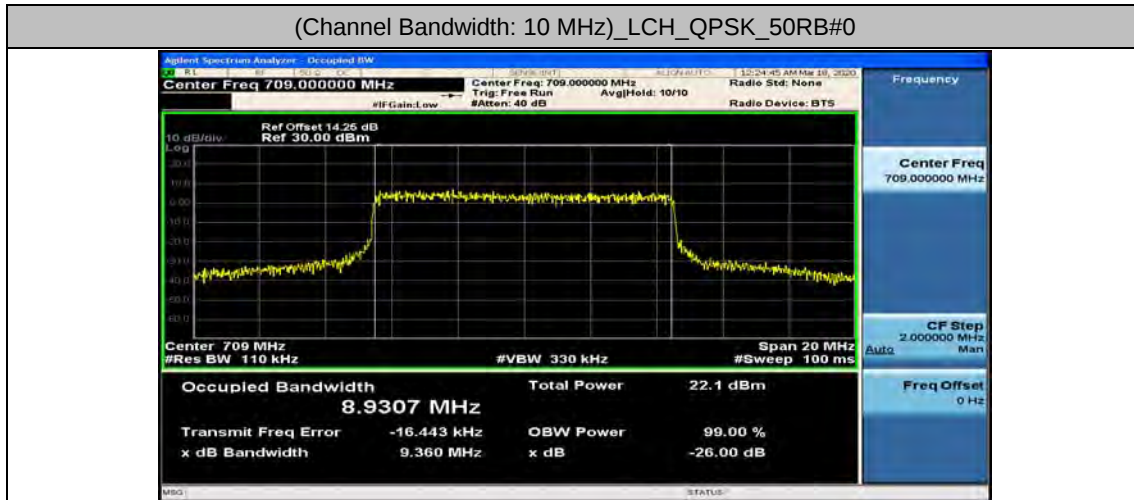
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



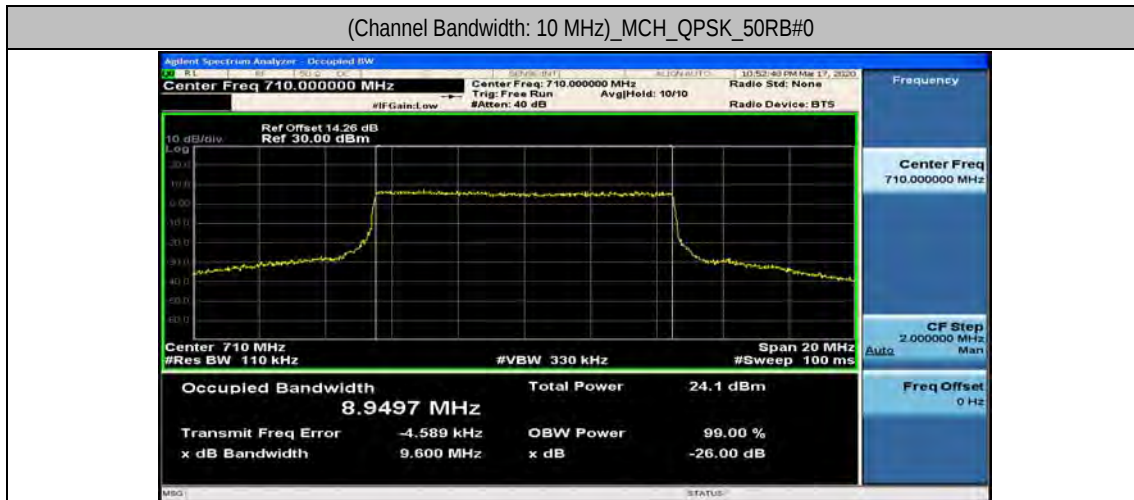


Channel Bandwidth: 10 MHz

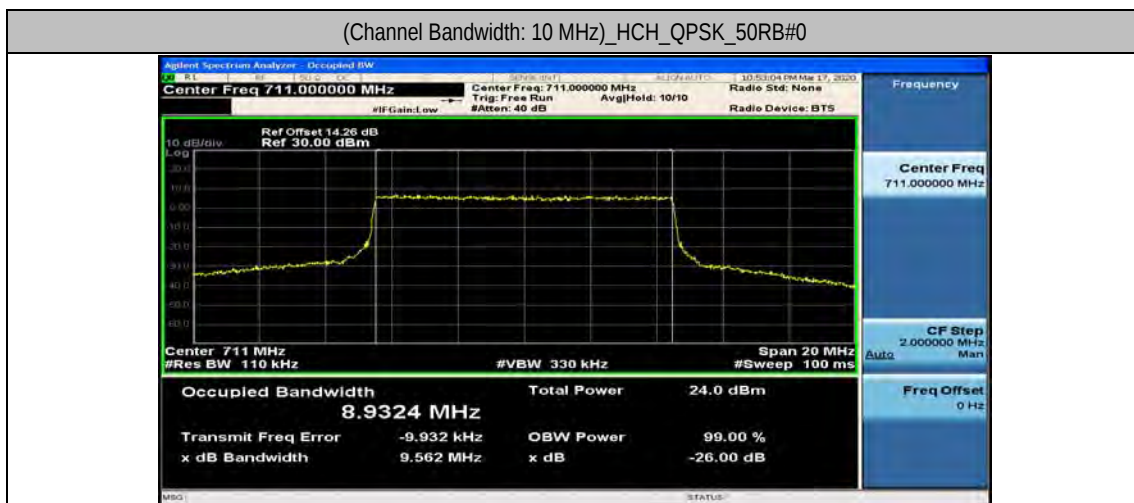
(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0



(Channel Bandwidth: 10 MHz)_MCH_QPSK_50RB#0

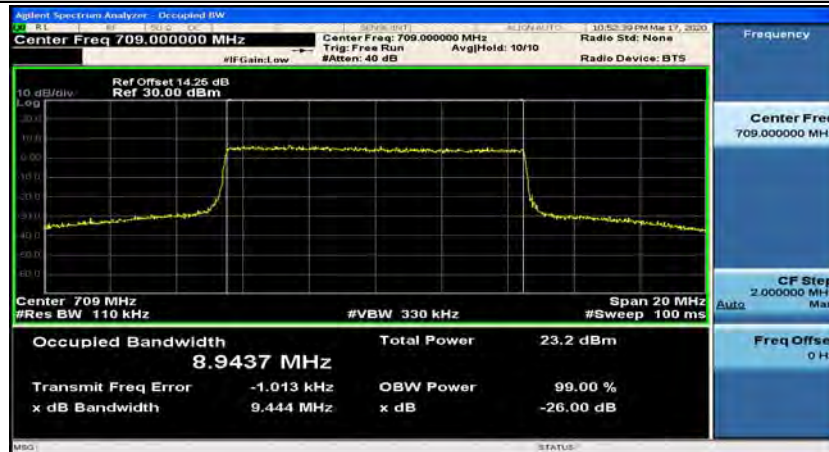


(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0

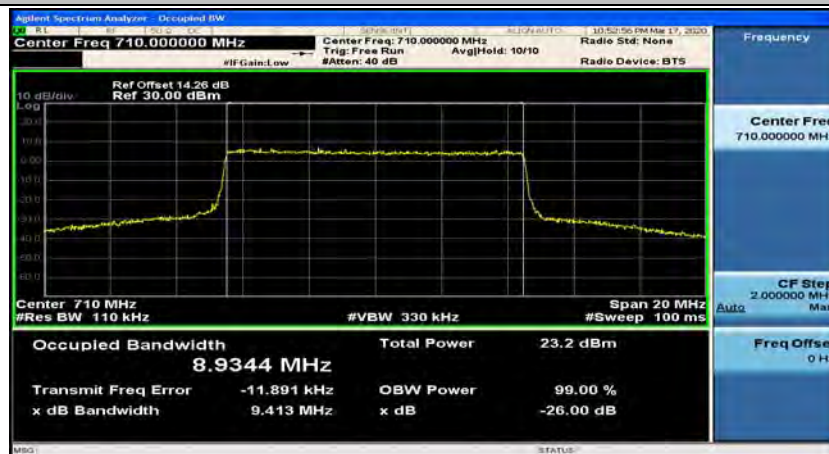




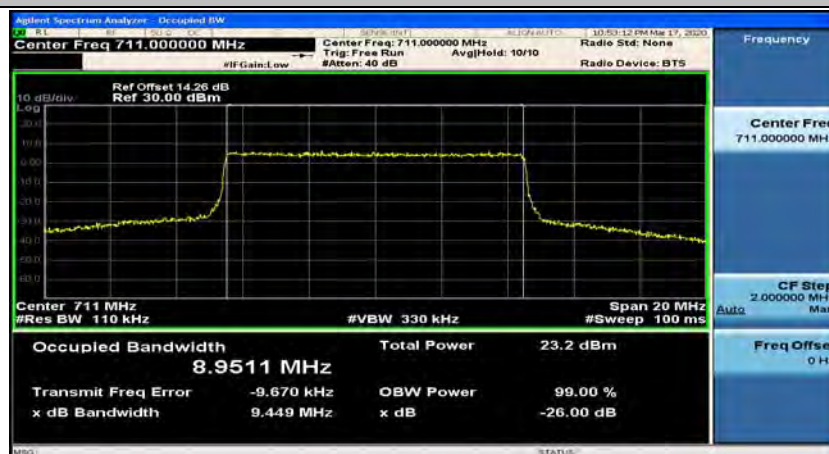
(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



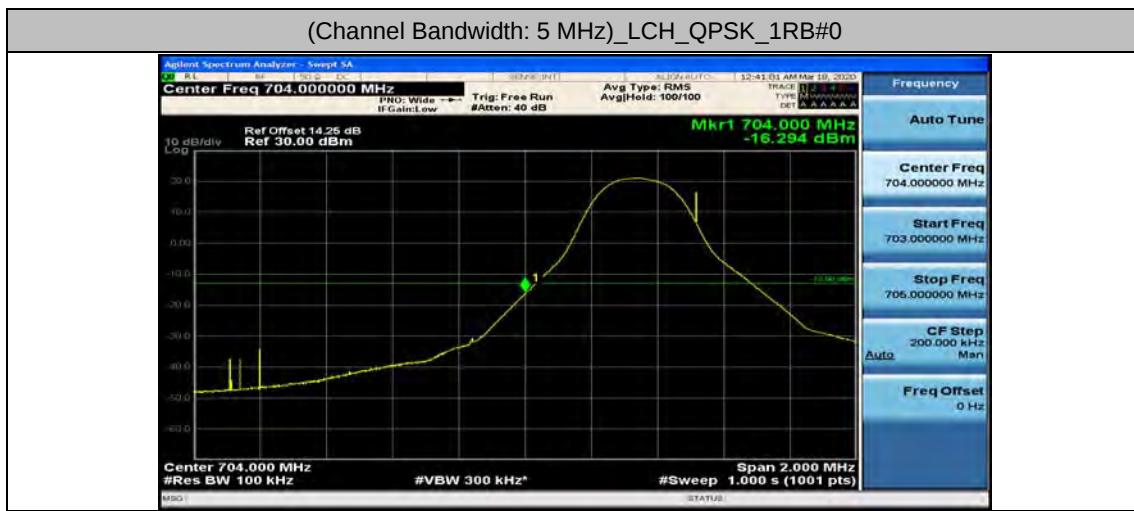


Appendix D: Band Edge

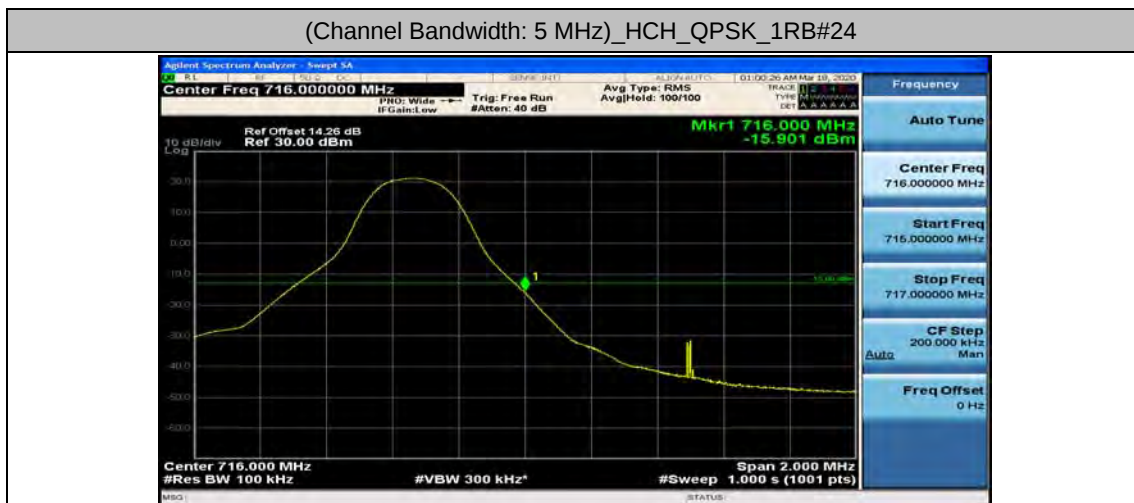
Test Graphs

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_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0





(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



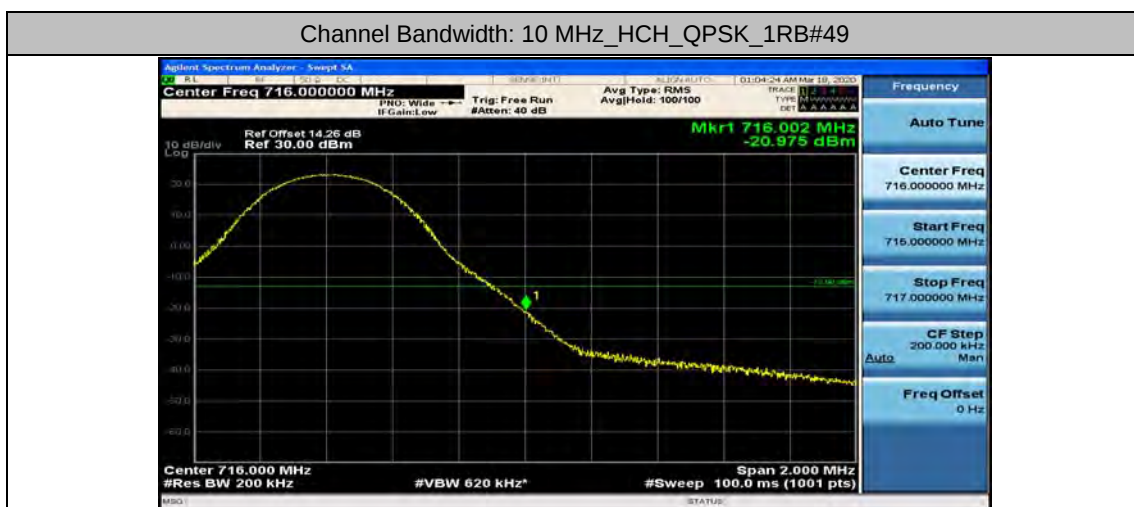
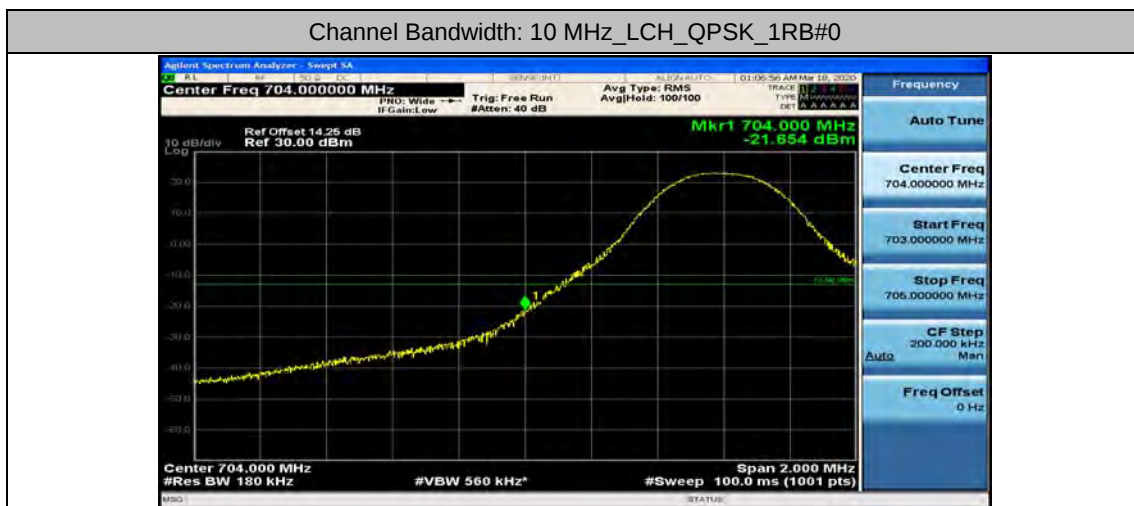
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz





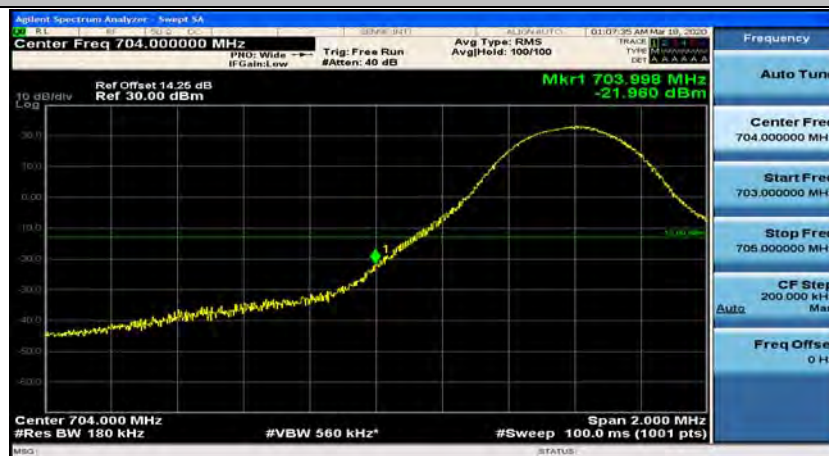
(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0



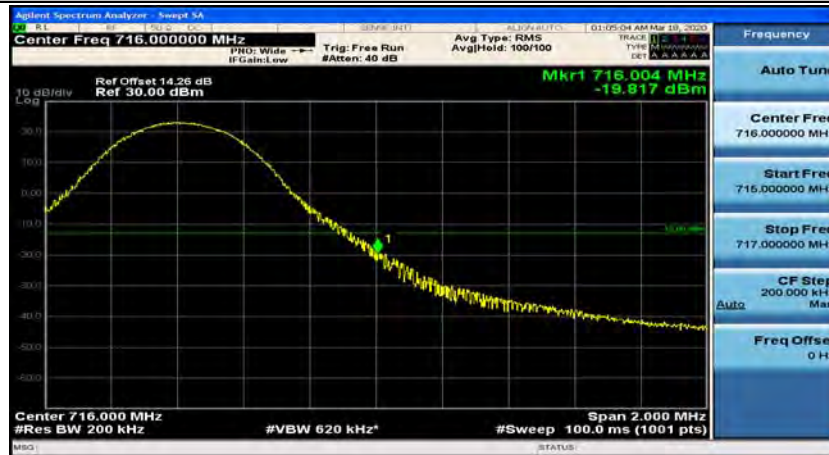
(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz)_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



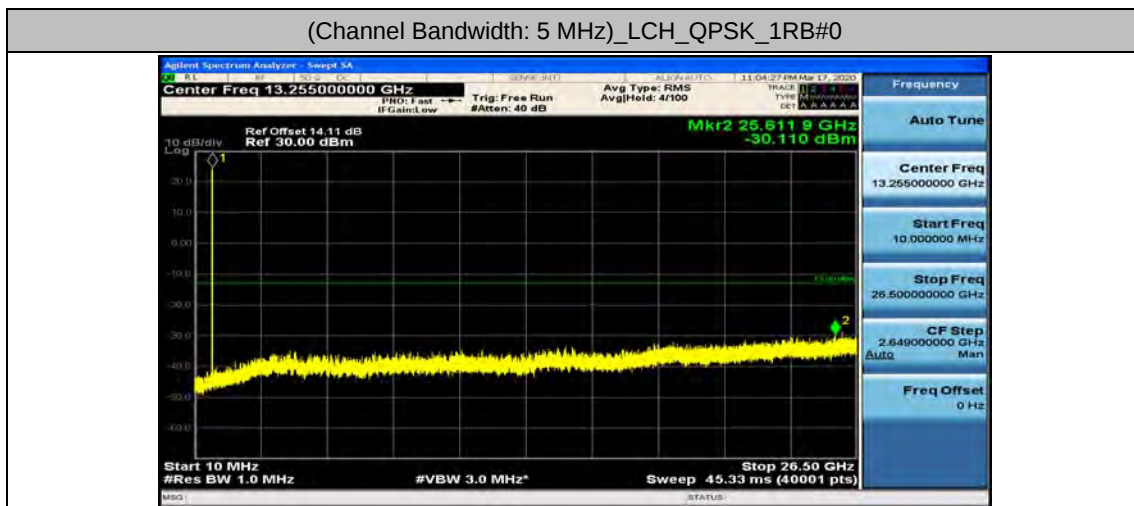


Appendix E: Conducted Spurious Emission

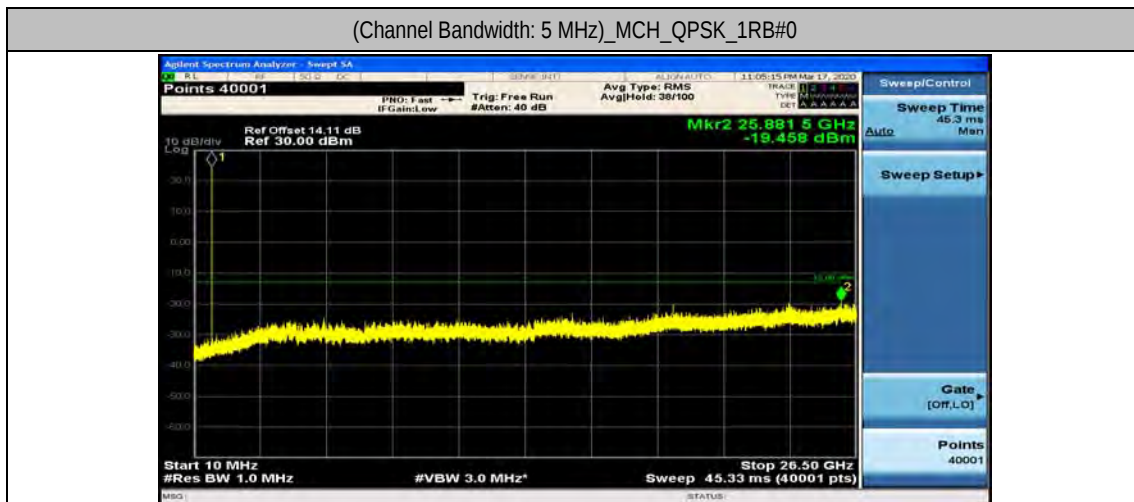
Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

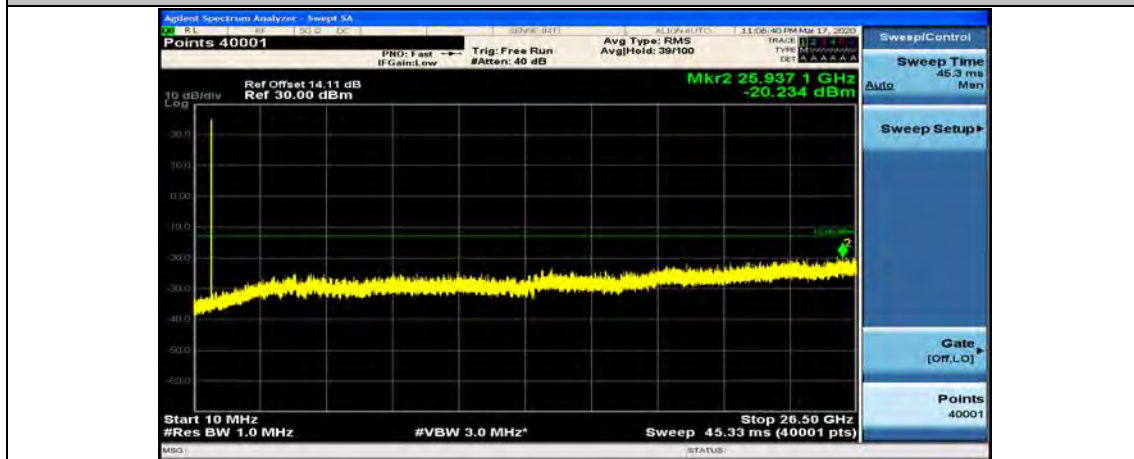


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

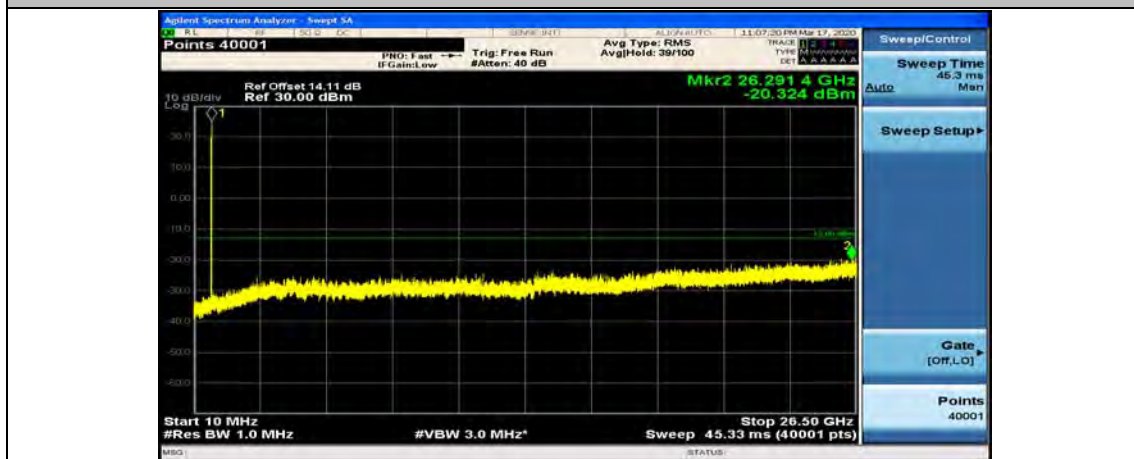


Channel Bandwidth: 10 MHz

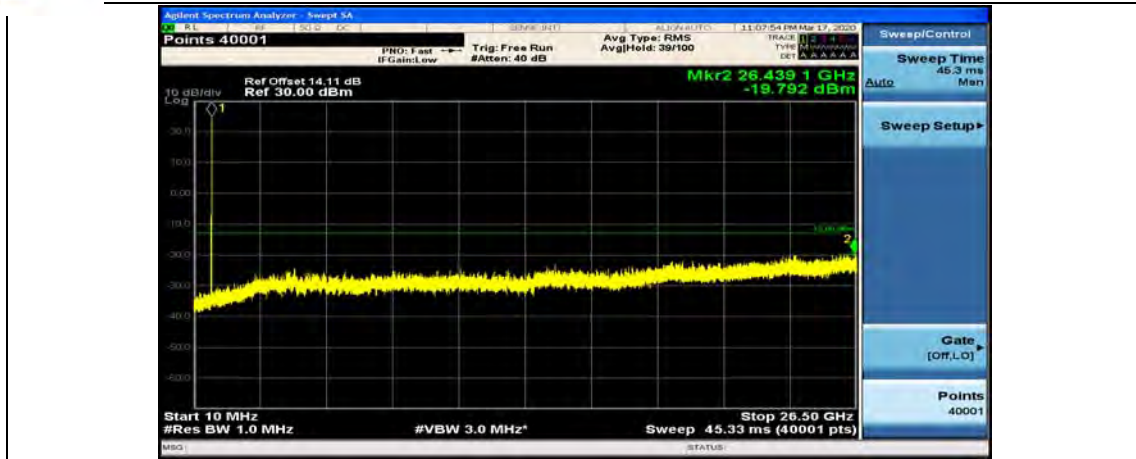
(Channel Bandwidth: 10 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 10 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 10 MHz)_HCH_QPSK_1RB#0



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	-1.60	-0.002265	± 2.5	PASS
		VN	TN	-2.80	-0.003963	± 2.5	PASS
		VH	TN	1.20	0.001699	± 2.5	PASS
	MCH	VL	TN	3.00	0.004225	± 2.5	PASS
		VN	TN	-0.90	-0.001268	± 2.5	PASS
		VH	TN	6.30	0.008873	± 2.5	PASS
	HCH	VL	TN	-4.00	-0.005606	± 2.5	PASS
		VN	TN	-3.00	-0.004205	± 2.5	PASS
		VH	TN	0.90	0.001261	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-3.50	-0.004954	± 2.5	PASS
		VN	-20	-3.30	-0.004671	± 2.5	PASS
		VN	-10	-2.20	-0.003114	± 2.5	PASS
		VN	0	0.40	0.000566	± 2.5	PASS
		VN	10	1.90	0.002689	± 2.5	PASS
		VN	20	0.10	0.000142	± 2.5	PASS
		VN	30	1.30	0.001840	± 2.5	PASS
		VN	40	2.10	0.002972	± 2.5	PASS
		VN	50	2.60	0.003680	± 2.5	PASS
	MCH	VN	-30	1.40	0.001972	± 2.5	PASS
		VN	-20	8.40	0.011831	± 2.5	PASS
		VN	-10	6.40	0.009014	± 2.5	PASS
		VN	0	6.20	0.008732	± 2.5	PASS
		VN	10	5.40	0.007606	± 2.5	PASS
		VN	20	4.10	0.005775	± 2.5	PASS
		VN	30	5.00	0.007042	± 2.5	PASS
		VN	40	5.70	0.008028	± 2.5	PASS
		VN	50	5.70	0.008028	± 2.5	PASS
	HCH	VN	-30	-1.30	-0.001822	± 2.5	PASS
		VN	-20	-3.50	-0.004905	± 2.5	PASS
		VN	-10	-7.70	-0.010792	± 2.5	PASS

		VN	0	-1.20	-0.001682	± 2.5	PASS
		VN	10	-3.50	-0.004905	± 2.5	PASS
		VN	20	1.30	0.001822	± 2.5	PASS
		VN	30	-0.80	-0.001121	± 2.5	PASS
		VN	40	-2.80	-0.003924	± 2.5	PASS
		VN	50	-5.60	-0.007849	± 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	-0.90	-0.001269	± 2.5	PASS
		VN	TN	0.30	0.000423	± 2.5	PASS
		VH	TN	-0.50	-0.000705	± 2.5	PASS
	MCH	VL	TN	-0.70	-0.000986	± 2.5	PASS
		VN	TN	3.80	0.005352	± 2.5	PASS
		VH	TN	-2.10	-0.002958	± 2.5	PASS
	HCH	VL	TN	-0.70	-0.000985	± 2.5	PASS
		VN	TN	1.20	0.001688	± 2.5	PASS
		VH	TN	-3.80	-0.005345	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2.50	-0.003526	± 2.5	PASS
		VN	-20	-3.00	-0.004231	± 2.5	PASS
		VN	-10	-5.10	-0.007193	± 2.5	PASS
		VN	0	-5.90	-0.008322	± 2.5	PASS
		VN	10	-6.90	-0.009732	± 2.5	PASS
		VN	20	-1.10	-0.001551	± 2.5	PASS
		VN	30	-4.20	-0.005924	± 2.5	PASS
		VN	40	-6.40	-0.009027	± 2.5	PASS
		VN	50	-8.70	-0.012271	± 2.5	PASS
	MCH	VN	-30	4.60	0.006479	± 2.5	PASS
		VN	-20	1.30	0.001831	± 2.5	PASS
		VN	-10	3.20	0.004507	± 2.5	PASS
		VN	0	5.00	0.007042	± 2.5	PASS
		VN	10	5.40	0.007606	± 2.5	PASS
		VN	20	5.40	0.007606	± 2.5	PASS
		VN	30	2.40	0.003380	± 2.5	PASS
		VN	40	2.50	0.003521	± 2.5	PASS
		VN	50	3.00	0.004225	± 2.5	PASS
	HCH	VN	-30	4.10	0.005767	± 2.5	PASS
		VN	-20	1.80	0.002532	± 2.5	PASS
		VN	-10	-0.20	-0.000281	± 2.5	PASS
		VN	0	-0.80	-0.001125	± 2.5	PASS
		VN	10	-1.20	-0.001688	± 2.5	PASS
		VN	20	-3.00	-0.004219	± 2.5	PASS



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		VN	30	-2.90	-0.004079	± 2.5	PASS
		VN	40	-4.50	-0.006329	± 2.5	PASS
		VN	50	-0.70	-0.000985	± 2.5	PASS