



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	22.54	PASS
		1	12	22.55	PASS
		1	24	22.50	PASS
		12	0	21.64	PASS
		12	6	21.65	PASS
		12	13	21.62	PASS
		25	0	21.62	PASS
	MCH	1	0	22.76	PASS
		1	12	22.82	PASS
		1	24	22.76	PASS
		12	0	21.86	PASS
		12	6	21.89	PASS
		12	13	21.87	PASS
		25	0	21.84	PASS
	HCH	1	0	22.75	PASS
		1	12	22.79	PASS
		1	24	22.76	PASS
		12	0	21.86	PASS
		12	6	21.87	PASS
		12	13	21.88	PASS
		25	0	21.85	PASS
16QAM	LCH	1	0	21.75	PASS
		1	12	21.79	PASS
		1	24	21.79	PASS
		12	0	20.65	PASS
		12	6	20.72	PASS
		12	13	20.68	PASS
		25	0	20.57	PASS
	MCH	1	0	21.97	PASS
		1	12	21.97	PASS
		1	24	21.97	PASS
		12	0	20.87	PASS
		12	6	20.91	PASS

		12	13	20.89	PASS
		25	0	20.81	PASS
	HCH	1	0	21.94	PASS
		1	12	21.94	PASS
		1	24	21.95	PASS
		12	0	20.85	PASS
		12	6	20.92	PASS
		12	13	20.88	PASS
		25	0	20.81	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.56	PASS
		1	24	22.53	PASS
		1	49	22.52	PASS
		25	0	21.60	PASS
		25	12	21.66	PASS
		25	25	21.59	PASS
		50	0	21.63	PASS
	MCH	1	0	22.81	PASS
		1	24	22.80	PASS
		1	49	22.77	PASS
		25	0	21.87	PASS
		25	12	21.89	PASS
		25	25	21.84	PASS
		50	0	21.85	PASS
	HCH	1	0	22.74	PASS
		1	24	22.80	PASS
		1	49	22.77	PASS
		25	0	21.82	PASS
		25	12	21.88	PASS
		25	25	21.85	PASS
		50	0	21.88	PASS
16QAM	LCH	1	0	21.78	PASS
		1	24	21.78	PASS
		1	49	21.77	PASS
		25	0	20.60	PASS
		25	12	20.63	PASS
		25	25	20.58	PASS
		50	0	20.66	PASS

	MCH	1	0	22.00	PASS
		1	24	22.01	PASS
		1	49	21.96	PASS
		25	0	20.82	PASS
		25	12	20.85	PASS
		25	25	20.82	PASS
		50	0	20.91	PASS
	HCH	1	0	21.97	PASS
		1	24	21.95	PASS
		1	49	21.97	PASS
		25	0	20.78	PASS
		25	12	20.82	PASS
		25	25	20.82	PASS
		50	0	20.86	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.57	PASS
		1	37	22.48	PASS
		1	74	22.53	PASS
		36	0	21.59	PASS
		36	19	21.62	PASS
		36	39	21.58	PASS
		75	0	21.64	PASS
	MCH	1	0	22.79	PASS
		1	37	22.77	PASS
		1	74	22.75	PASS
		36	0	21.85	PASS
		36	19	21.81	PASS
		36	39	21.78	PASS
		75	0	21.81	PASS
	HCH	1	0	22.73	PASS
		1	37	22.71	PASS
		1	74	22.73	PASS
		36	0	21.79	PASS
		36	19	21.82	PASS
		36	39	21.75	PASS
		75	0	21.81	PASS
16QAM	LCH	1	0	21.80	PASS
		1	37	21.74	PASS

		1	74	21.77	PASS
		36	0	20.68	PASS
		36	19	20.68	PASS
		36	39	20.61	PASS
		75	0	20.66	PASS
	MCH	1	0	22.02	PASS
		1	37	21.95	PASS
		1	74	21.97	PASS
		36	0	20.83	PASS
		36	19	20.85	PASS
		36	39	20.81	PASS
		75	0	20.88	PASS
	HCH	1	0	22.00	PASS
		1	37	21.92	PASS
		1	74	21.94	PASS
		36	0	20.87	PASS
		36	19	20.86	PASS
		36	39	20.80	PASS
		75	0	20.85	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.60	PASS
		1	49	22.54	PASS
		1	99	22.45	PASS
		50	0	21.67	PASS
		50	25	21.70	PASS
		50	50	21.58	PASS
		100	0	21.65	PASS
	MCH	1	0	22.78	PASS
		1	49	22.72	PASS
		1	99	22.67	PASS
		50	0	21.89	PASS
		50	25	21.90	PASS
		50	50	21.87	PASS
		100	0	21.87	PASS
	HCH	1	0	22.71	PASS
		1	49	22.67	PASS
		1	99	22.66	PASS
		50	0	21.80	PASS



16QAM			50	25	21.85	PASS
			50	50	21.81	PASS
			100	0	21.79	PASS
	LCH		1	0	21.84	PASS
			1	49	21.76	PASS
			1	99	21.70	PASS
			50	0	20.75	PASS
			50	25	20.73	PASS
			50	50	20.68	PASS
			100	0	20.73	PASS
	MCH		1	0	22.02	PASS
			1	49	21.92	PASS
			1	99	21.92	PASS
			50	0	20.93	PASS
			50	25	20.91	PASS
			50	50	20.90	PASS
			100	0	20.92	PASS
	HCH		1	0	21.97	PASS
			1	49	21.92	PASS
			1	99	21.88	PASS
			50	0	20.89	PASS
			50	25	20.88	PASS
			50	50	20.87	PASS
			100	0	20.89	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	6.85	<13	PASS
QPSK	MCH	1	0	6.98	<13	PASS
QPSK	HCH	1	0	7.54	<13	PASS
16QAM	LCH	1	0	8.27	<13	PASS
16QAM	MCH	1	0	9.23	<13	PASS
16QAM	HCH	1	0	7.72	<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	6.6	<13	PASS
QPSK	MCH	1	0	6.73	<13	PASS
QPSK	HCH	1	0	6.63	<13	PASS
16QAM	LCH	1	0	7.71	<13	PASS
16QAM	MCH	1	0	8.56	<13	PASS
16QAM	HCH	1	0	7.52	<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	LCH	1	0	6.32	<13	PASS
QPSK	MCH	1	0	6.44	<13	PASS
QPSK	HCH	1	0	6.48	<13	PASS
16QAM	LCH	1	0	8.4	<13	PASS
16QAM	MCH	1	0	8.38	<13	PASS



16QAM	HCH	1	0	9.3	<13	PASS
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Channel Bandwidth: 20 MHz

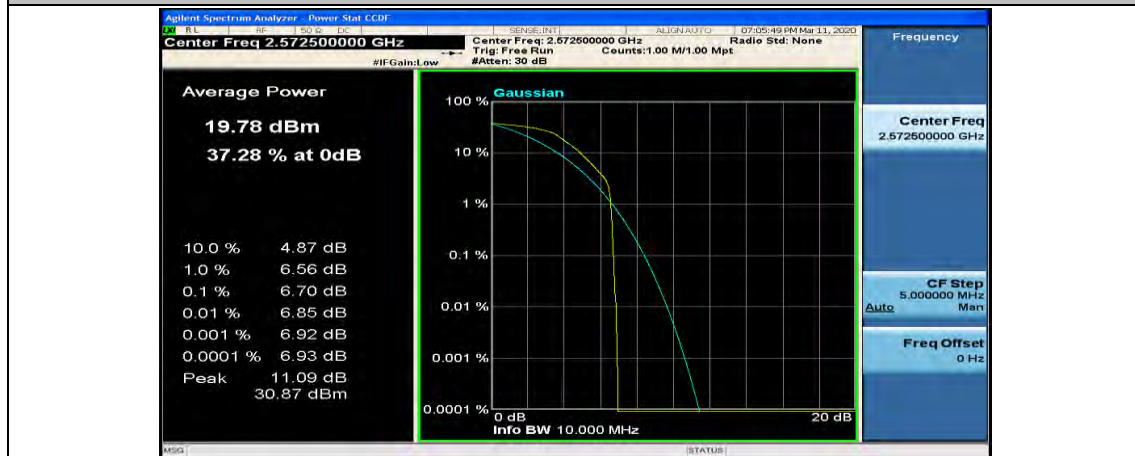
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.56	<13	PASS
QPSK	MCH	1	0	5.76	<13	PASS
QPSK	HCH	1	0	7.01	<13	PASS
16QAM	LCH	1	0	7.75	<13	PASS
16QAM	MCH	1	0	7.24	<13	PASS
16QAM	HCH	1	0	8.54	<13	PASS



Test Graphs

Channel Bandwidth: 5 MHz

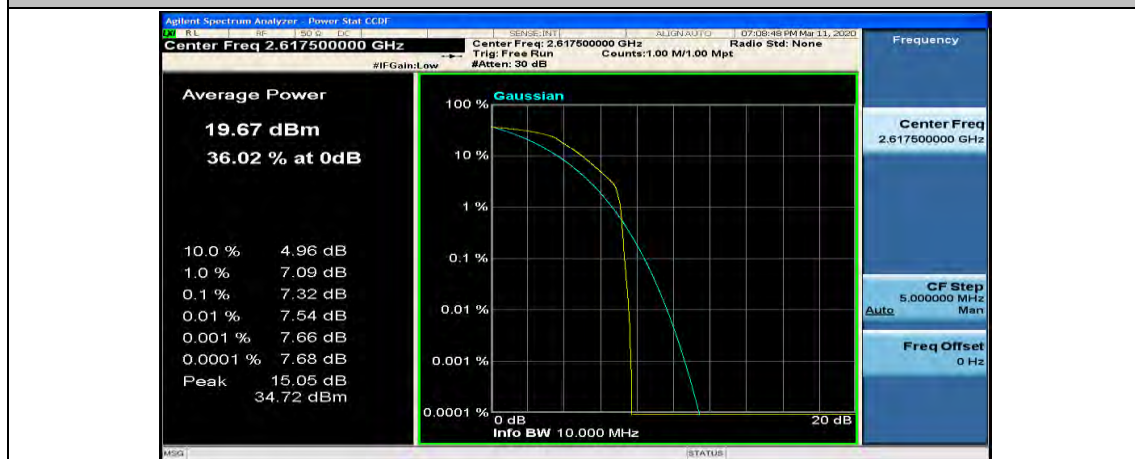
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

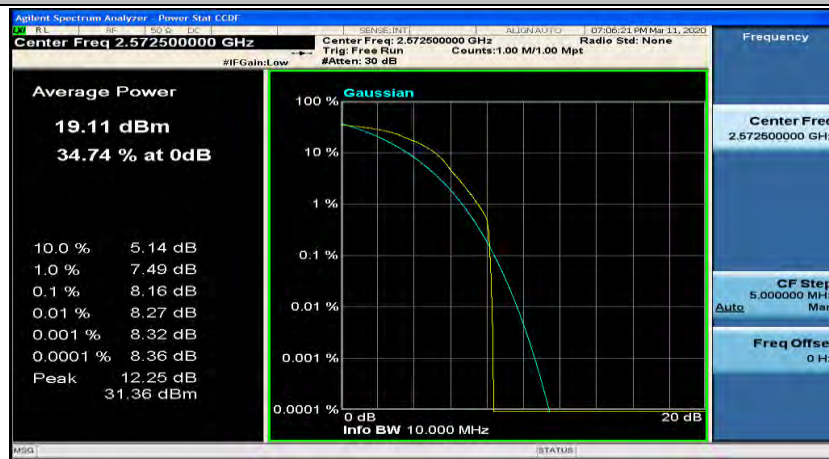


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0





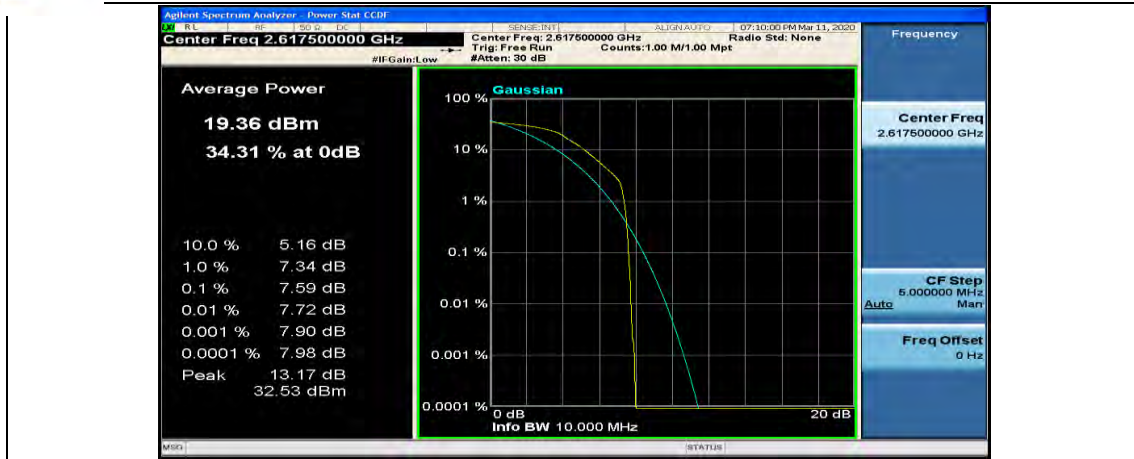
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



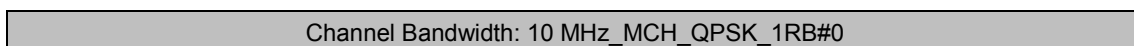
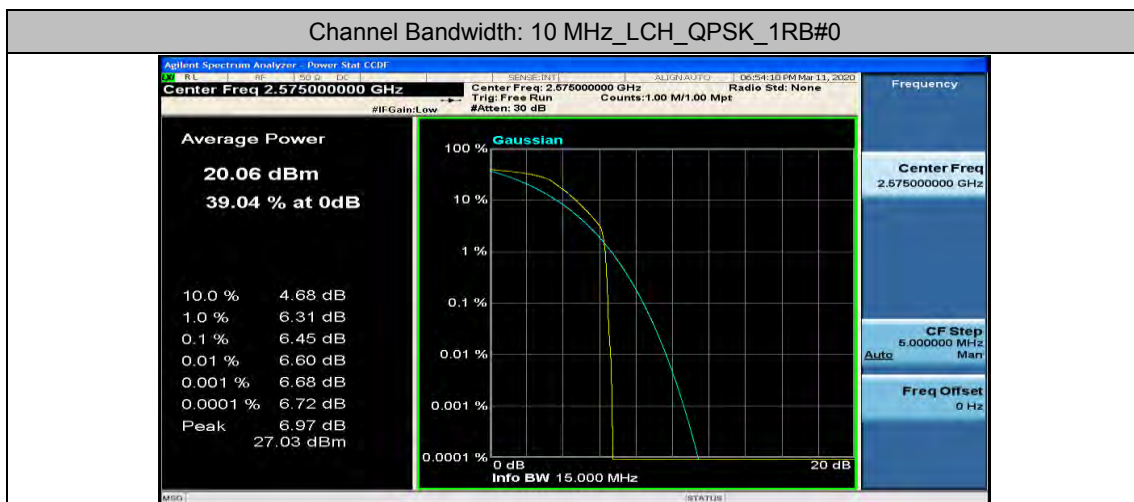
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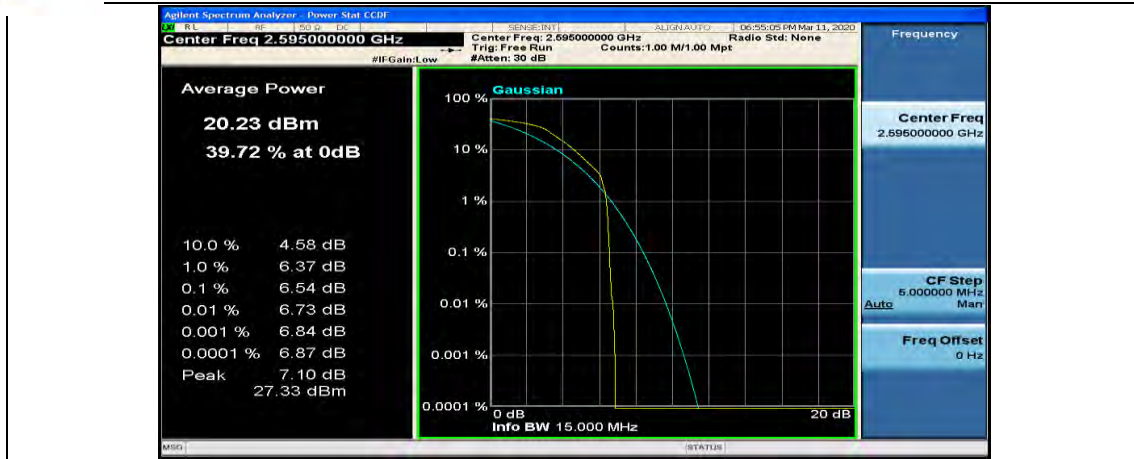


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

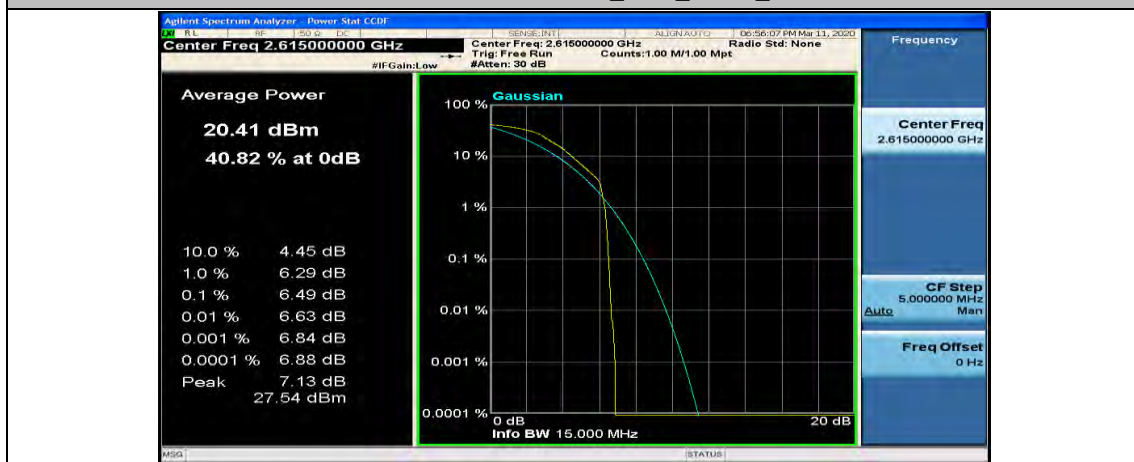


Channel Bandwidth: 10 MHz





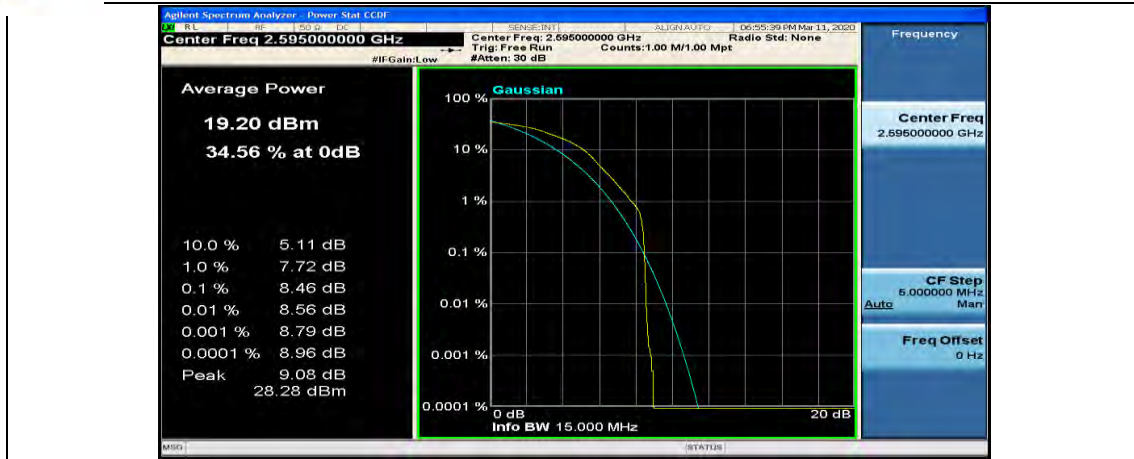
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



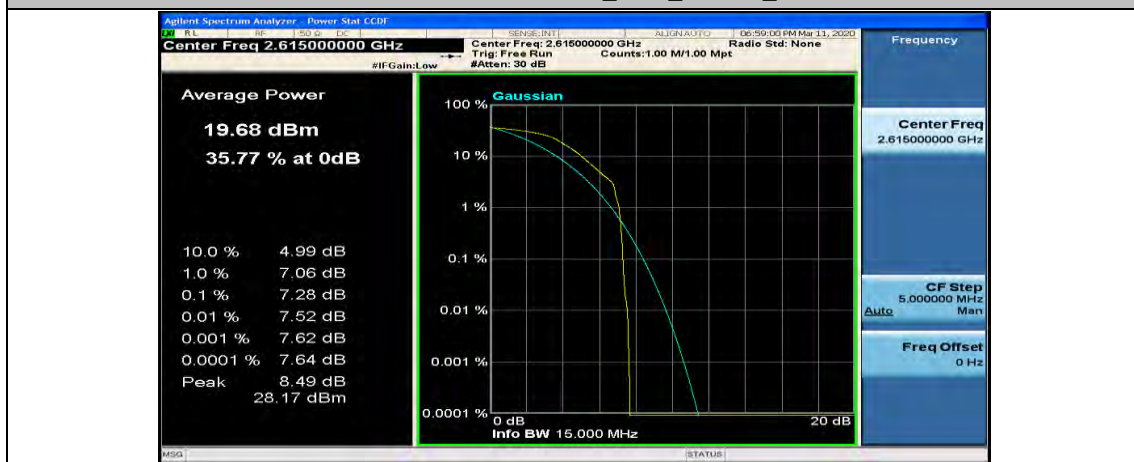
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

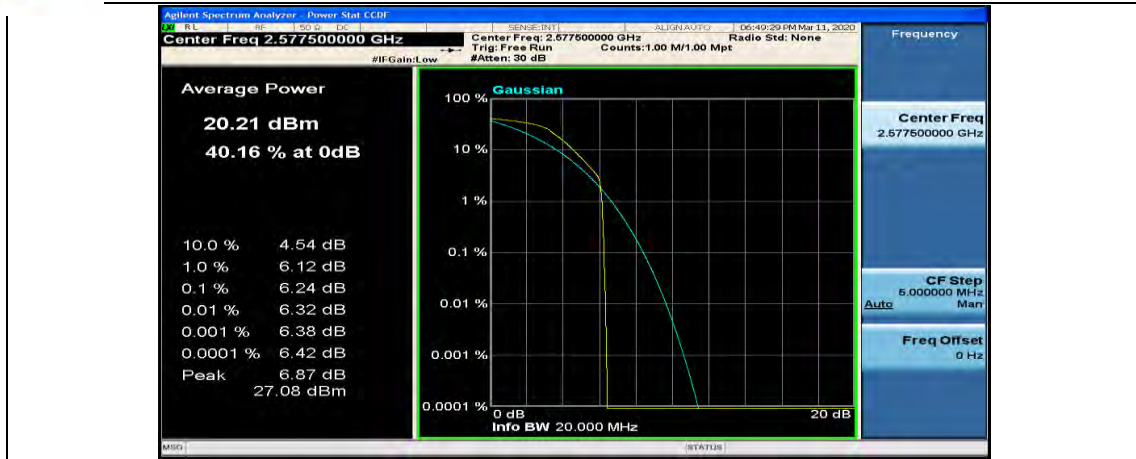


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

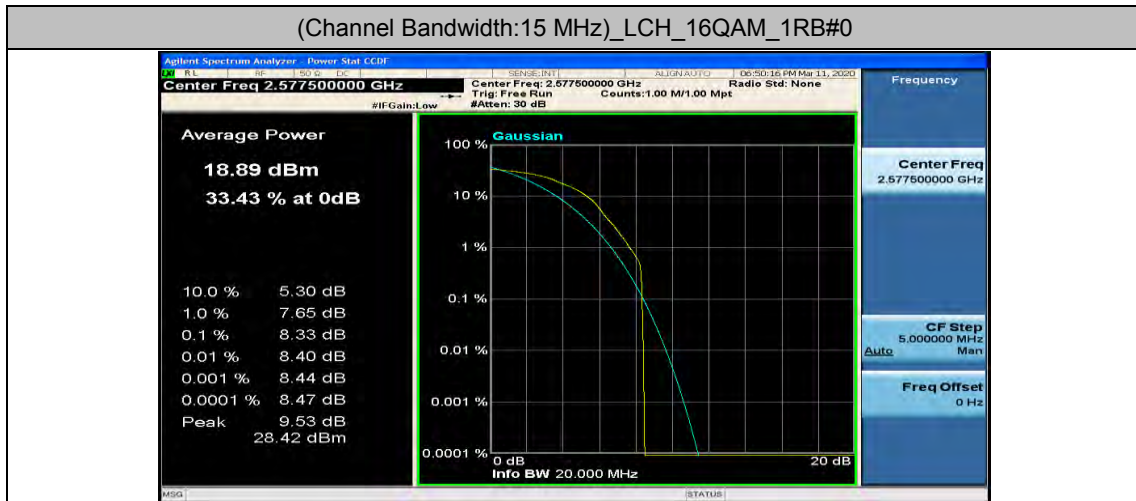


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

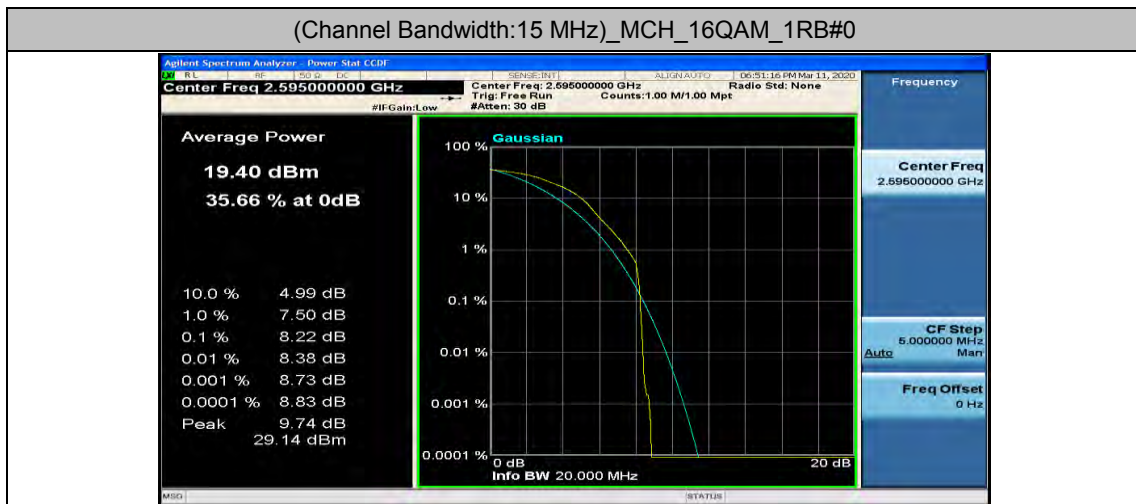




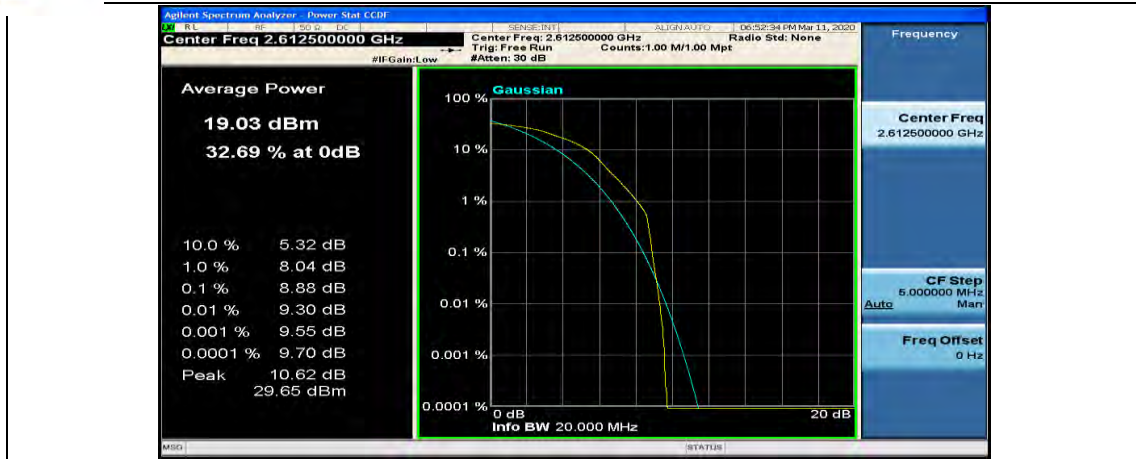
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



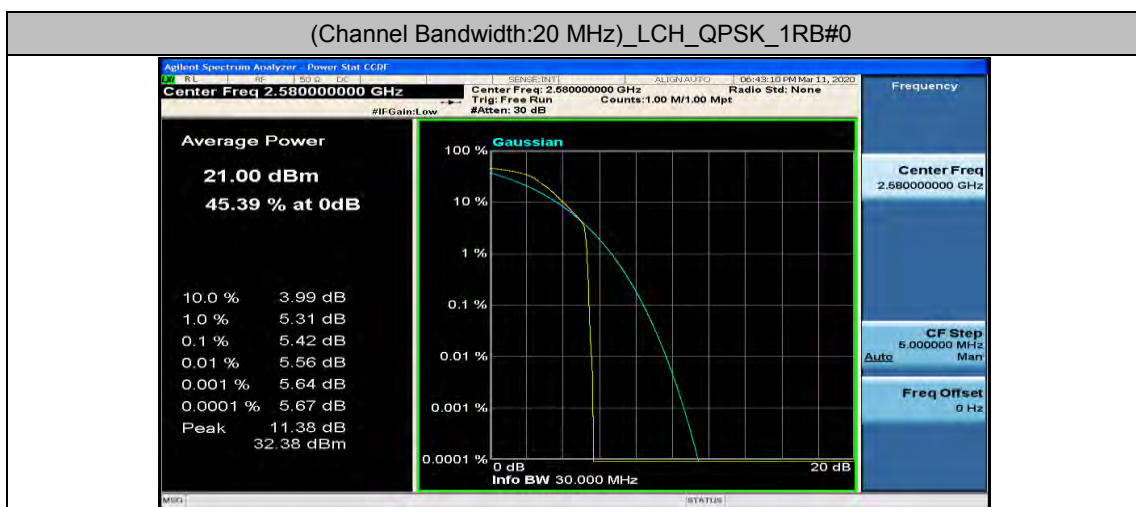
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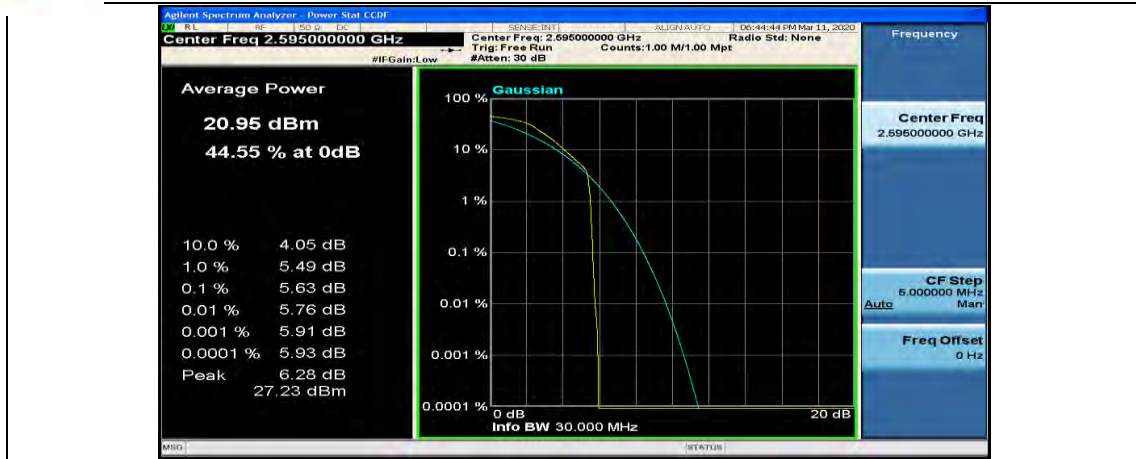
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



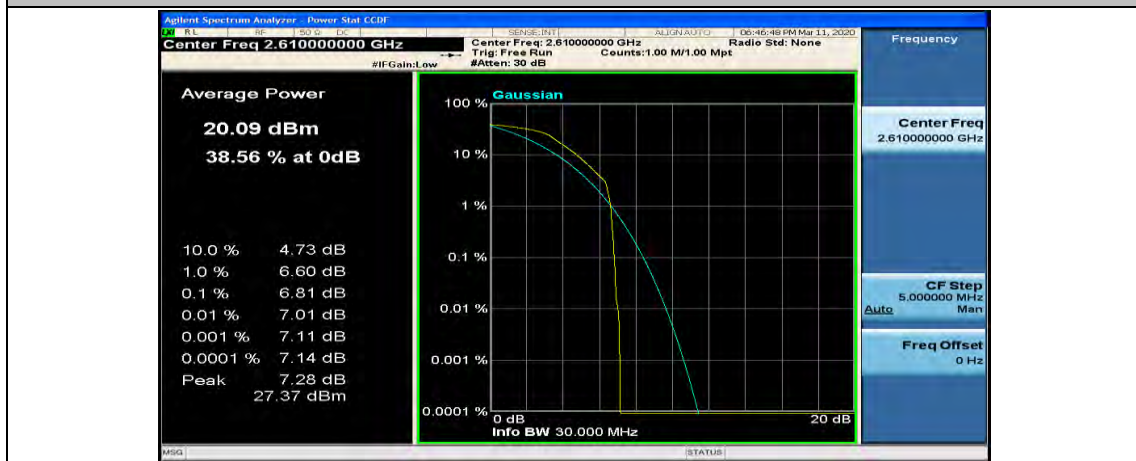
Channel Bandwidth: 20 MHz



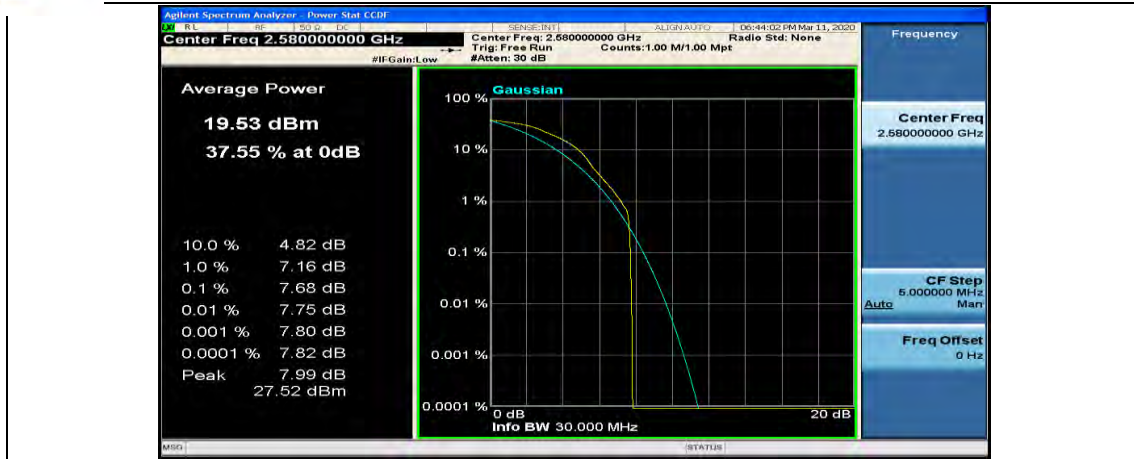
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



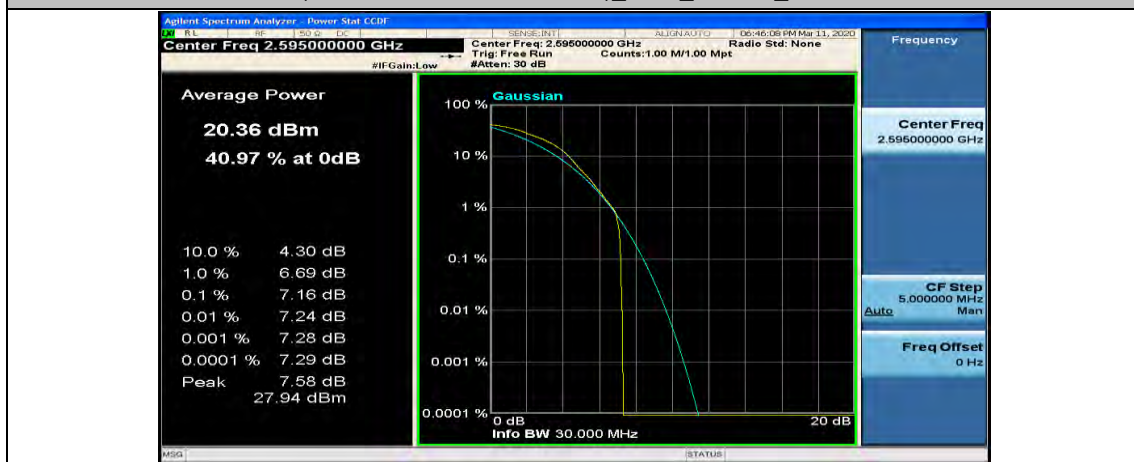
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth:20 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	4.4767	4.767	PASS
	MCH	25	0	4.4716	4.786	PASS
	HCH	25	0	4.4785	4.760	PASS
16QAM	LCH	25	0	4.4896	4.780	PASS
	MCH	25	0	4.4919	4.823	PASS
	HCH	25	0	4.4852	4.787	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	8.9213	9.375	PASS
	MCH	50	0	8.9233	9.411	PASS
	HCH	50	0	8.9254	9.378	PASS
16QAM	LCH	50	0	8.9328	9.360	PASS
	MCH	50	0	8.9319	9.380	PASS
	HCH	50	0	8.9315	9.376	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth	26dB Bandwidth (MHz)	Verdict
		Size	Offset			



				(MHz)		
QPSK	LCH	75	0	13.387	14.10	PASS
	MCH	75	0	13.394	14.06	PASS
	HCH	75	0	13.393	14.12	PASS
16QAM	LCH	75	0	13.397	13.99	PASS
	MCH	75	0	13.392	14.00	PASS
	HCH	75	0	13.400	13.99	PASS

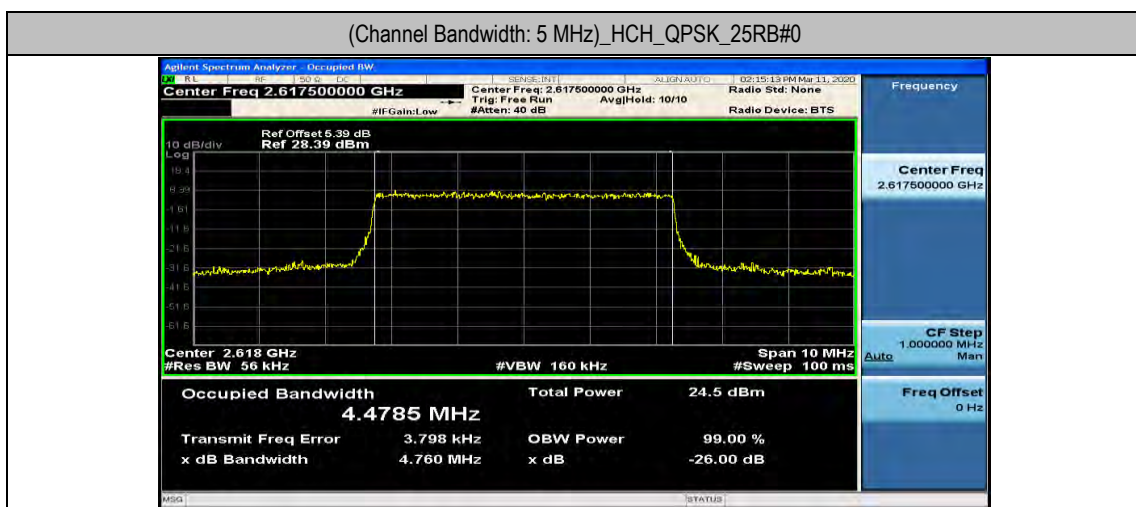
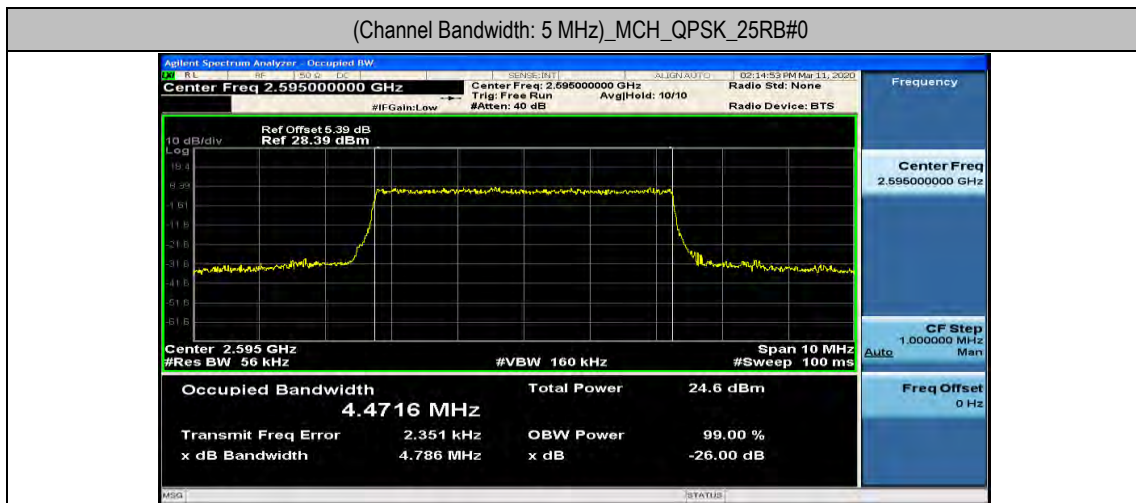
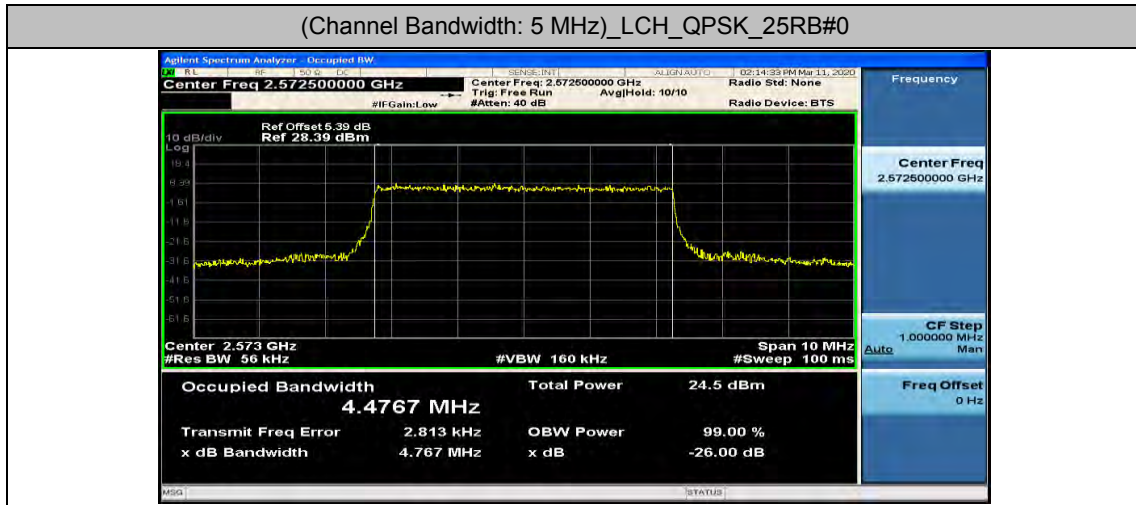
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.827	18.72	PASS
	MCH	100	0	17.815	18.59	PASS
	HCH	100	0	17.819	18.66	PASS
16QAM	LCH	100	0	17.825	18.59	PASS
	MCH	100	0	17.830	18.57	PASS
	HCH	100	0	17.819	18.67	PASS



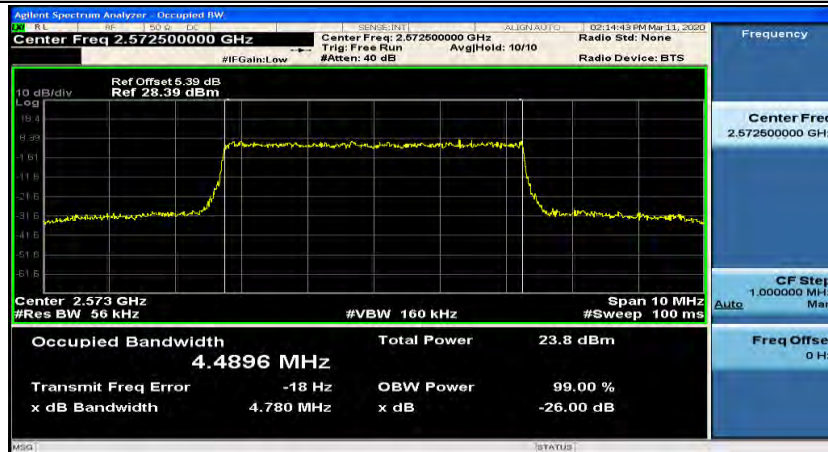
Test Graphs

Channel Bandwidth: 5 MHz

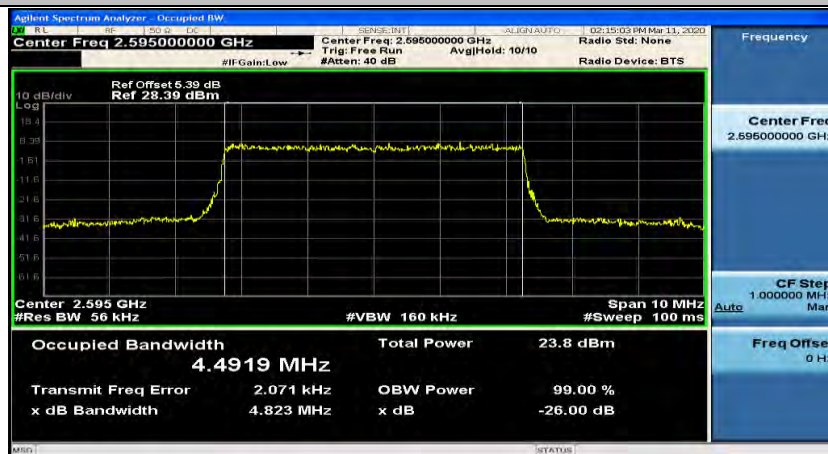




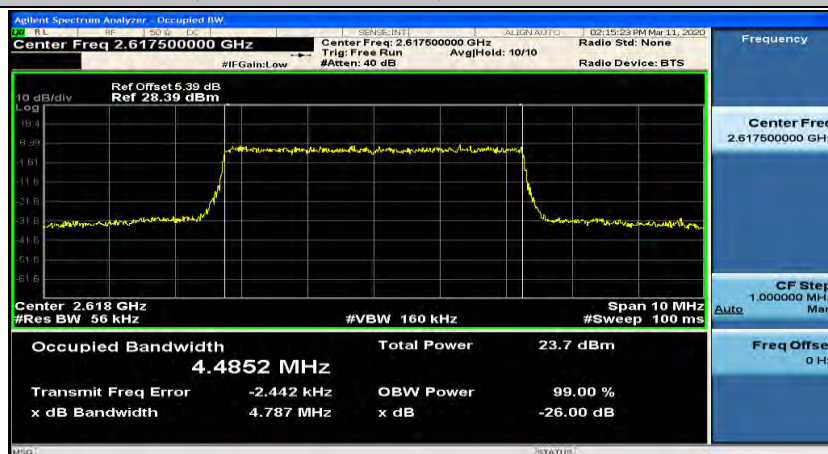
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



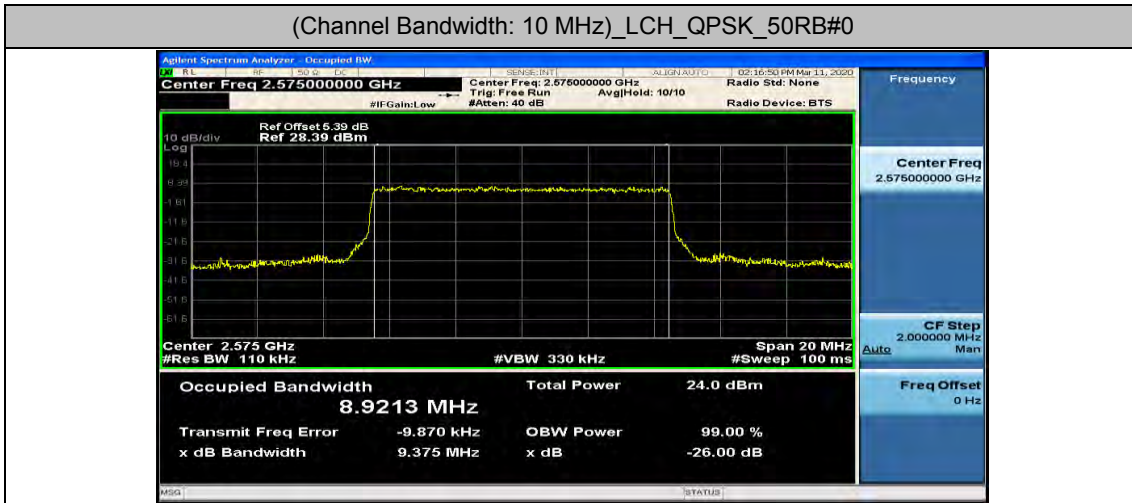
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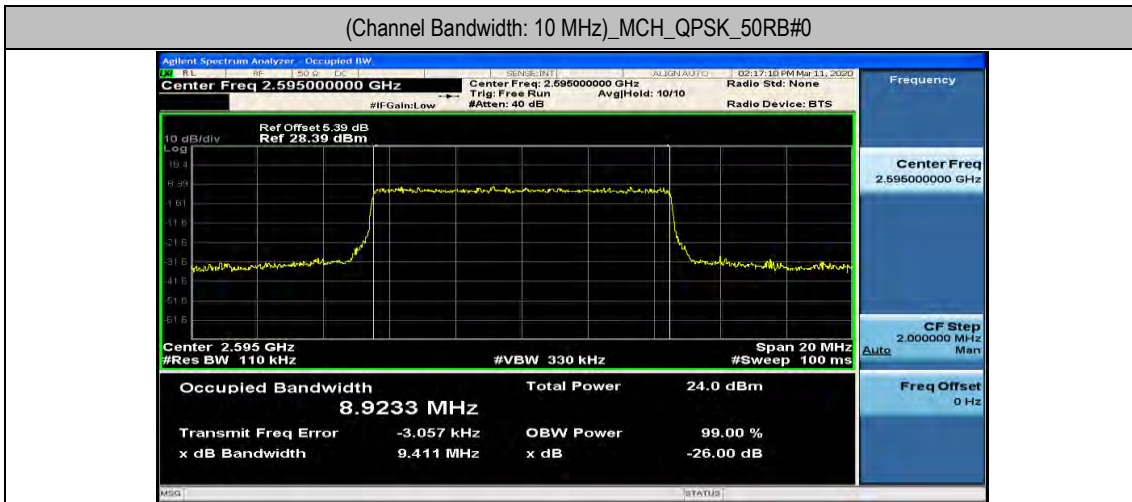


Channel Bandwidth: 10 MHz

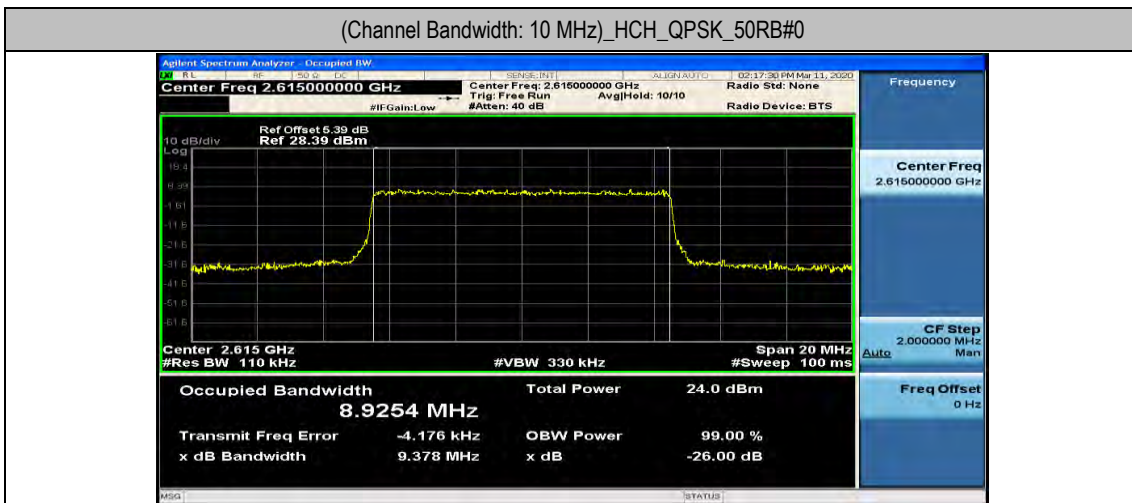
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(Channel Bandwidth: 10 MHz)_MCH_QPSK_50RB#0

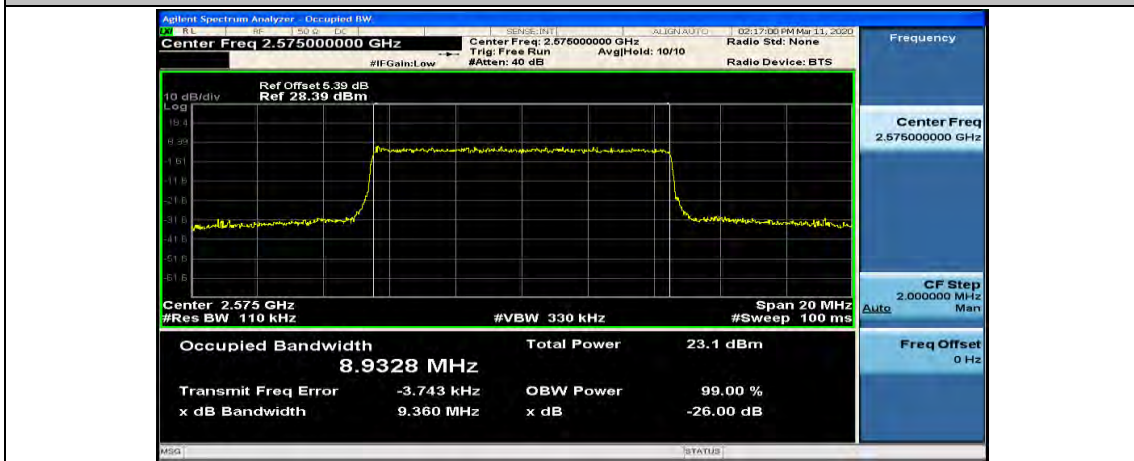


(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0

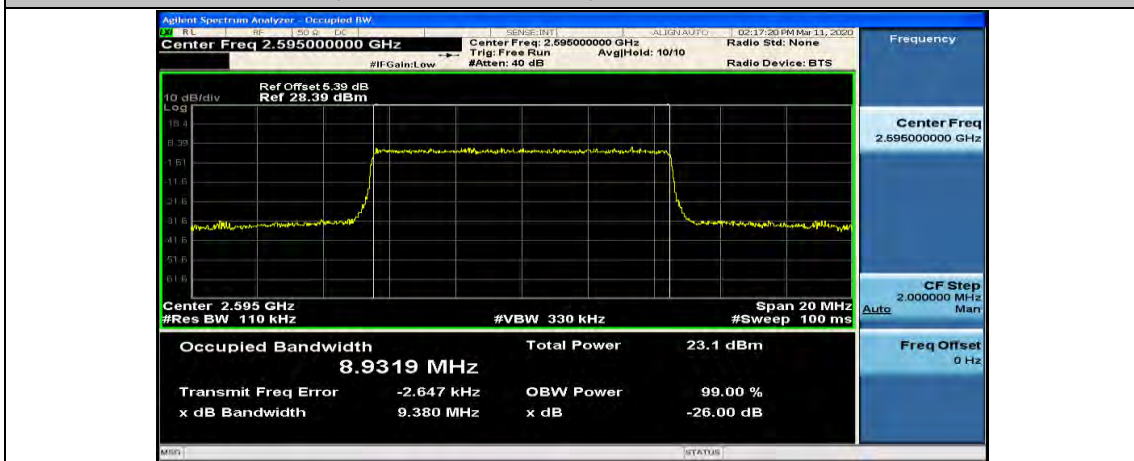




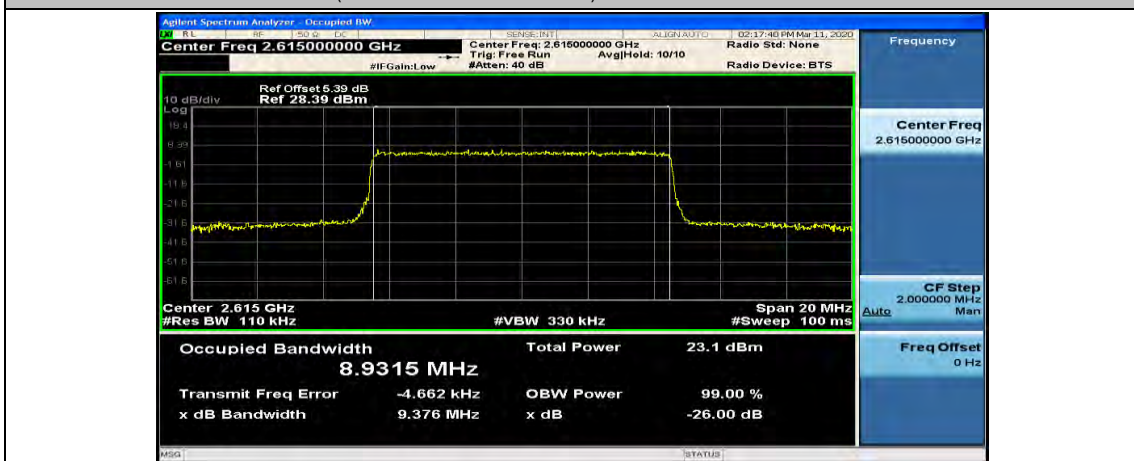
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(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



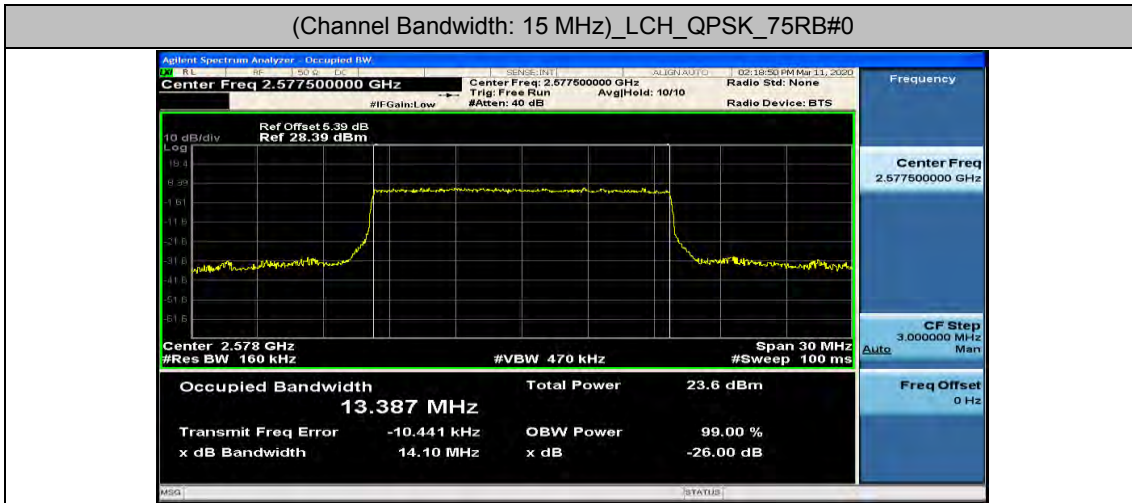
(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



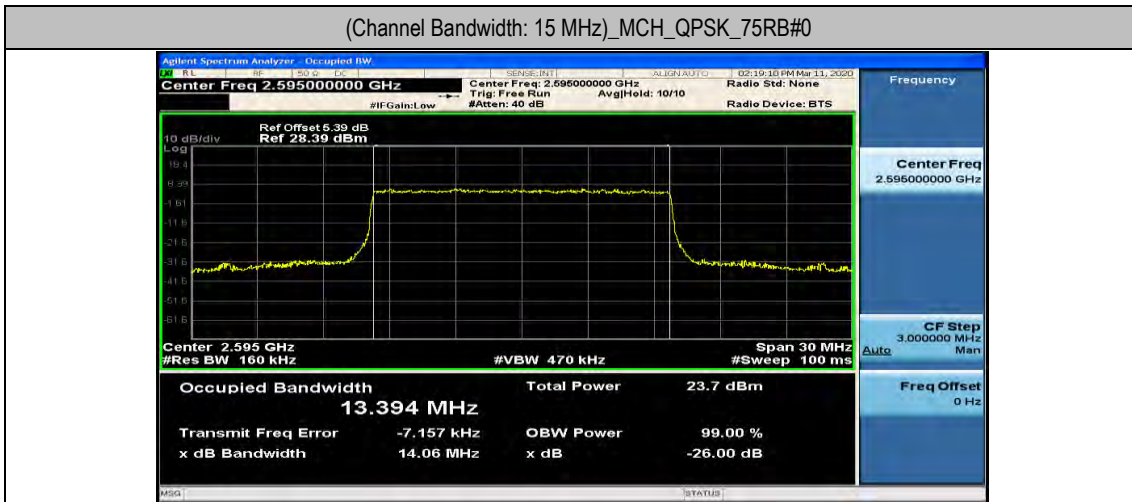


Channel Bandwidth: 15 MHz

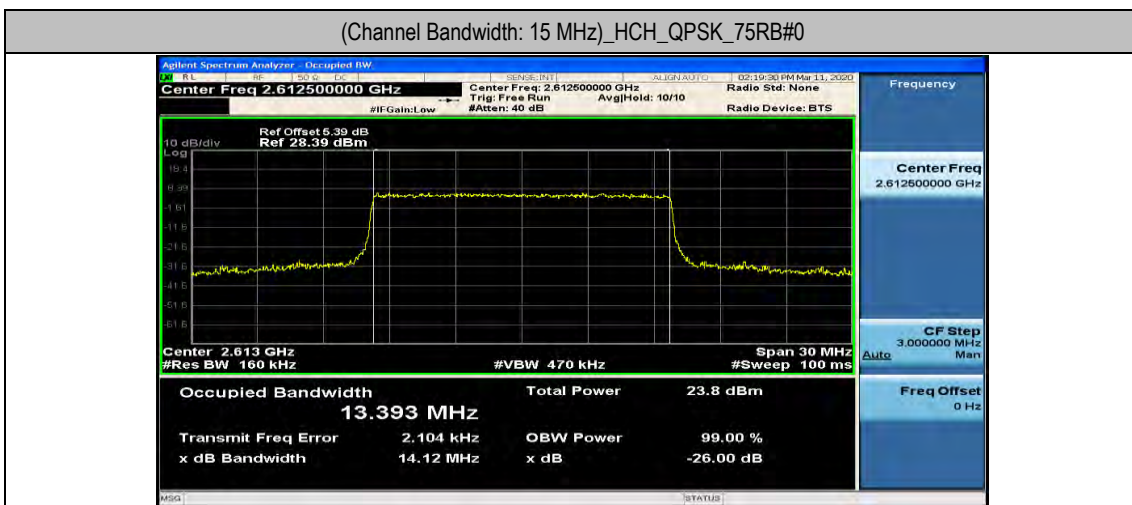
(Channel Bandwidth: 15 MHz)_LCH_QPSK_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_QPSK_75RB#0

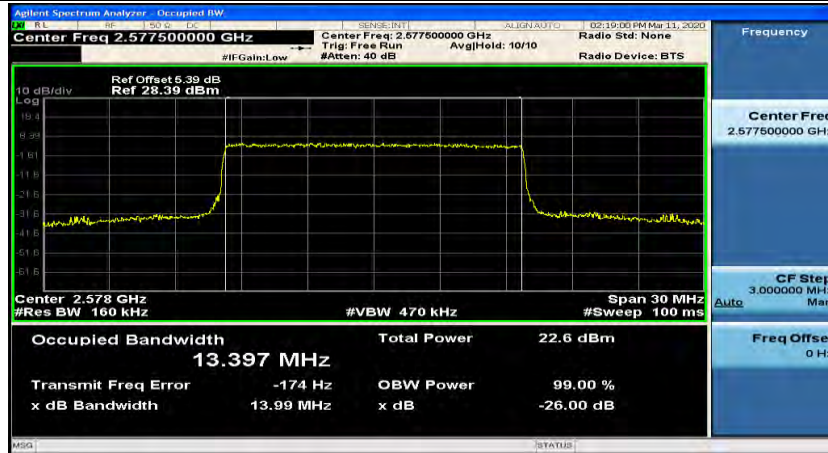


(Channel Bandwidth: 15 MHz)_HCH_QPSK_75RB#0

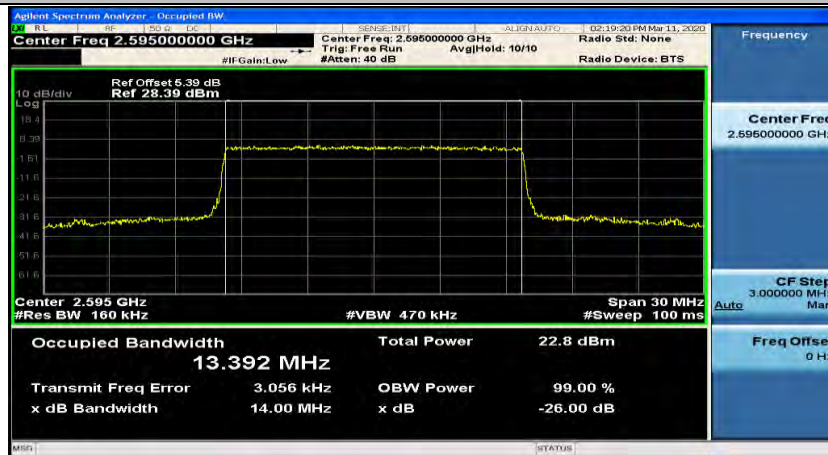




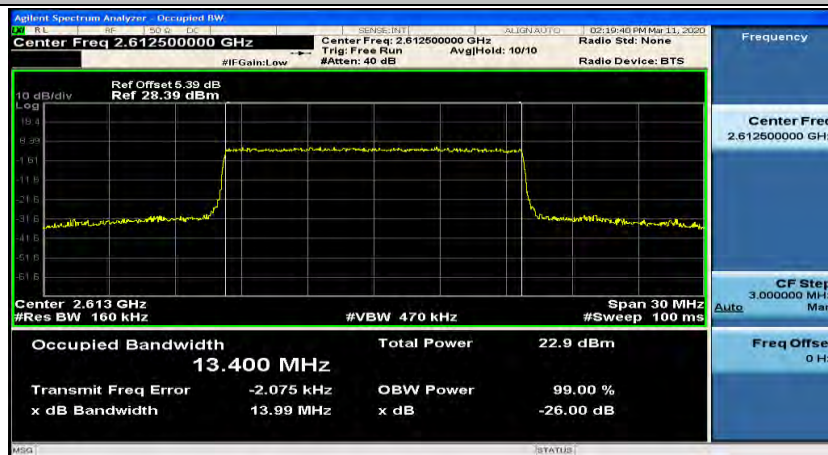
(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_16QAM_75RB#0



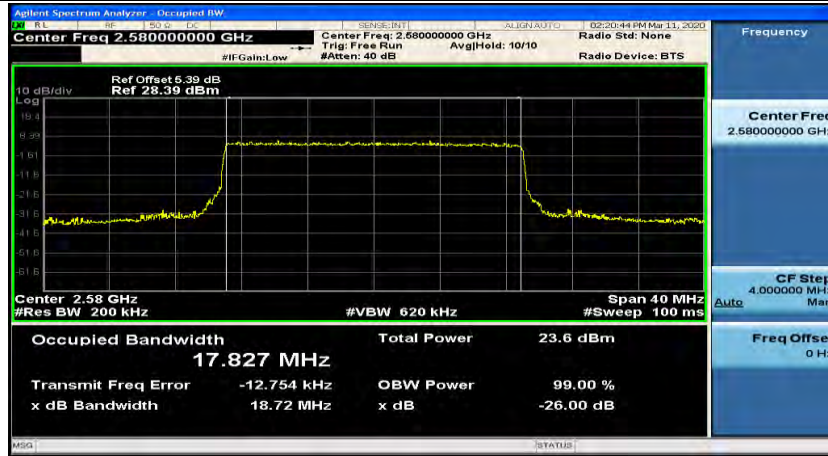
(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0



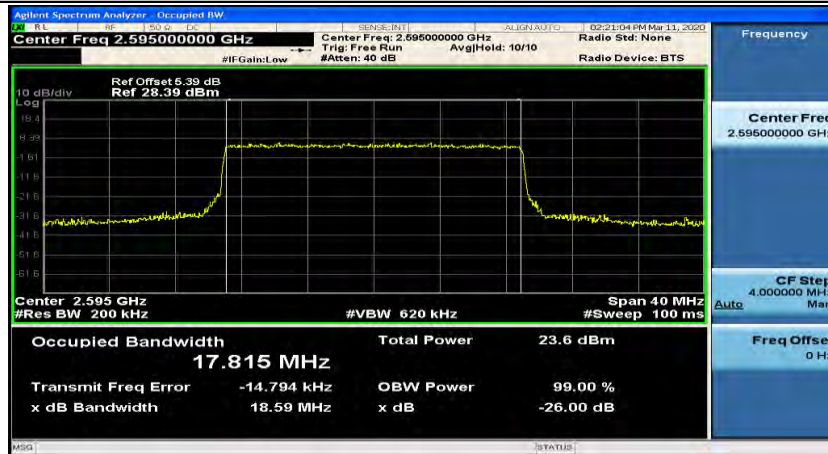


Channel Bandwidth: 20 MHz

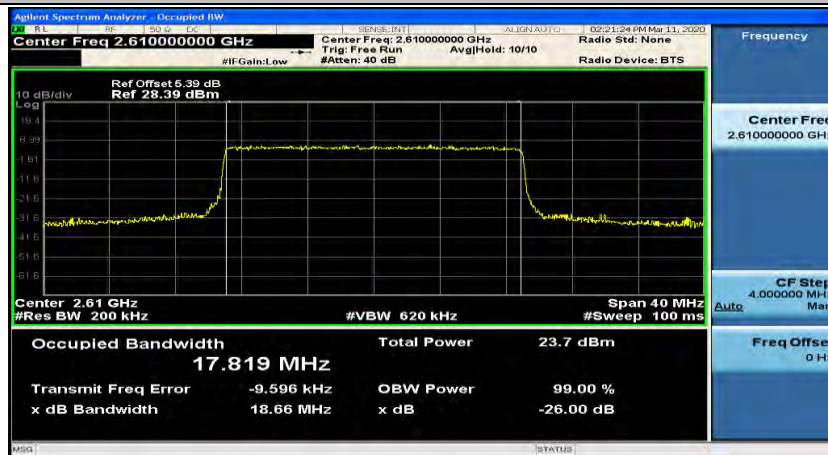
(Channel Bandwidth: 20 MHz)_LCH_QPSK_100RB#0



(Channel Bandwidth: 20 MHz)_MCH_QPSK_100RB#0

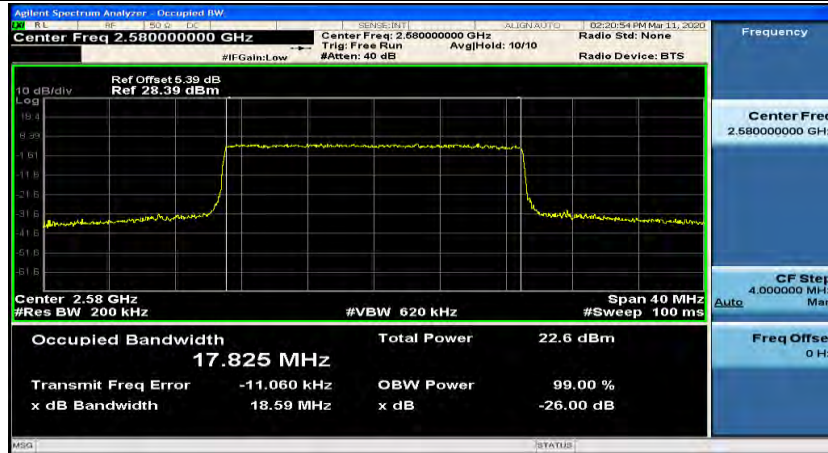


(Channel Bandwidth: 20 MHz)_HCH_QPSK_100RB#0

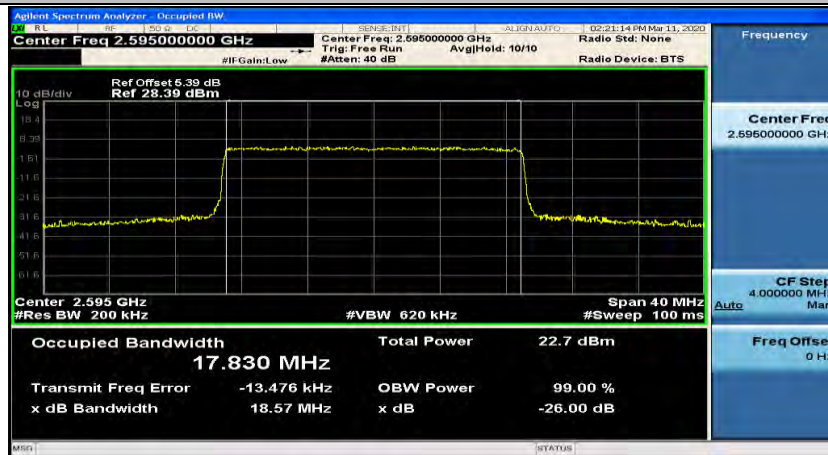




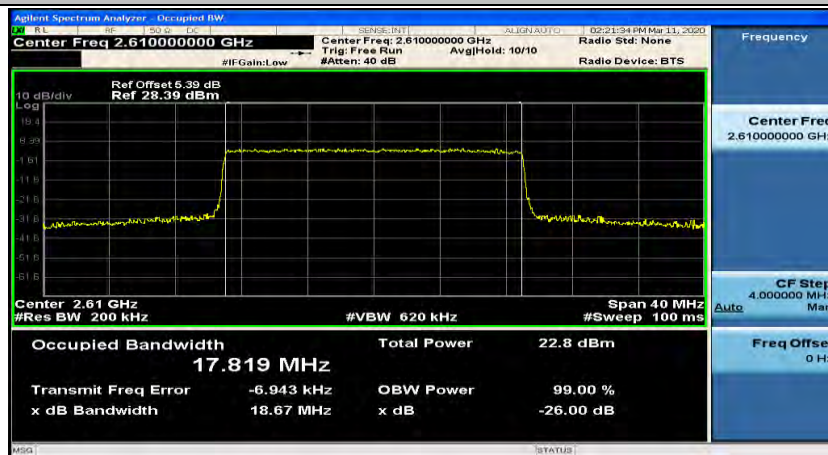
(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_MCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0

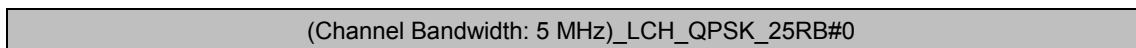




Appendix D: Band Edge

Test Graphs

Channel Bandwidth: 5 MHz





(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



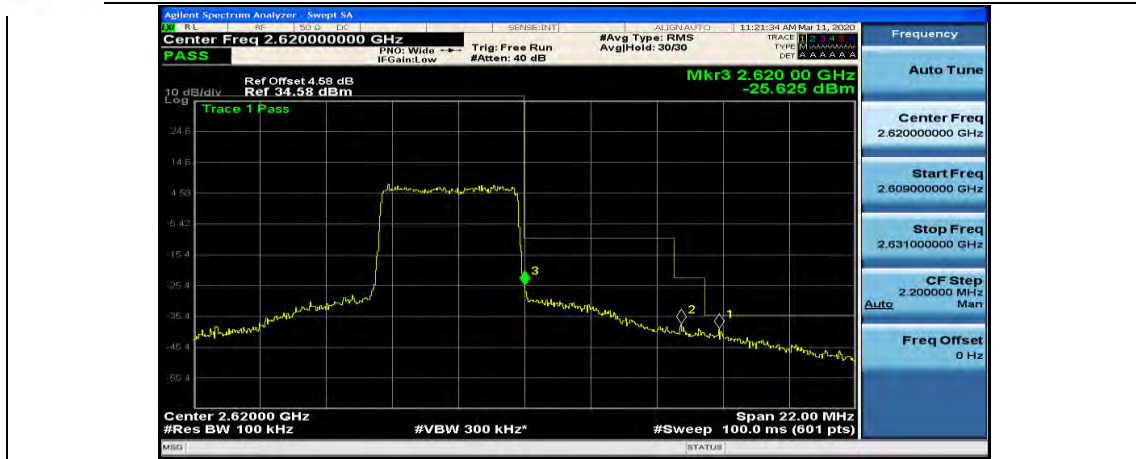
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



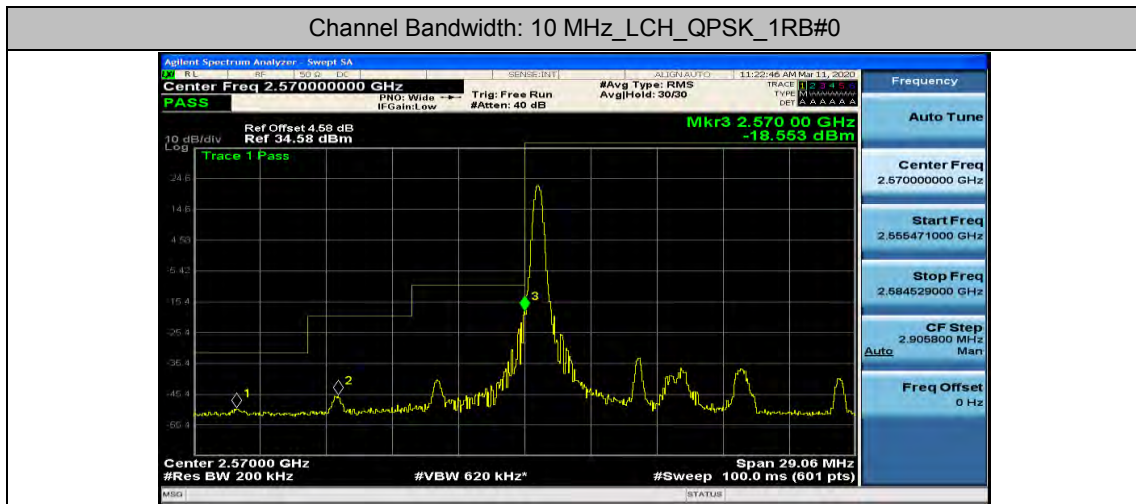
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



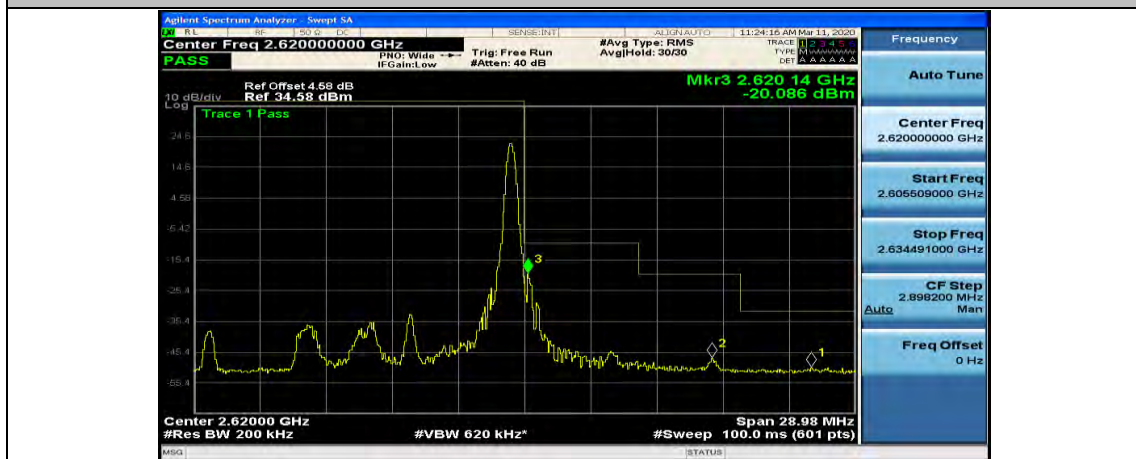
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49





(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0



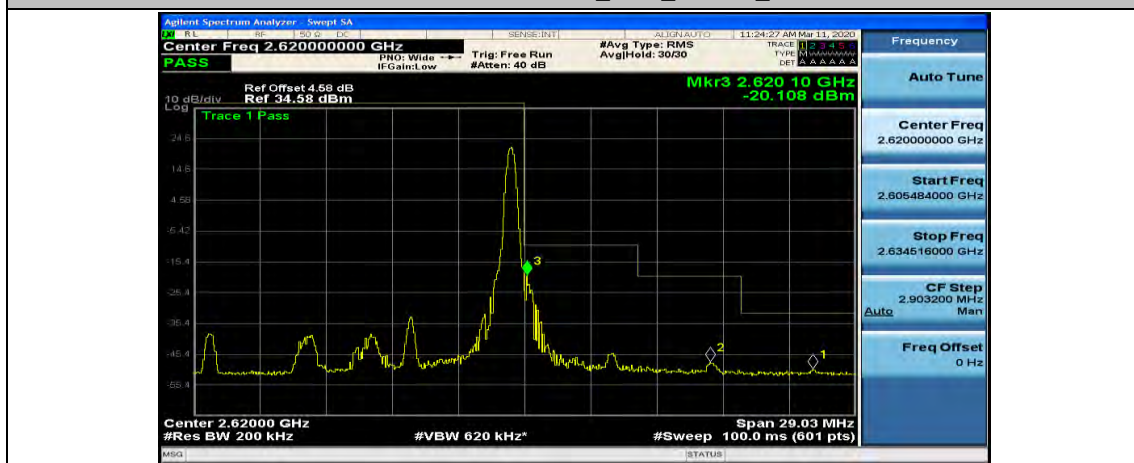
(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



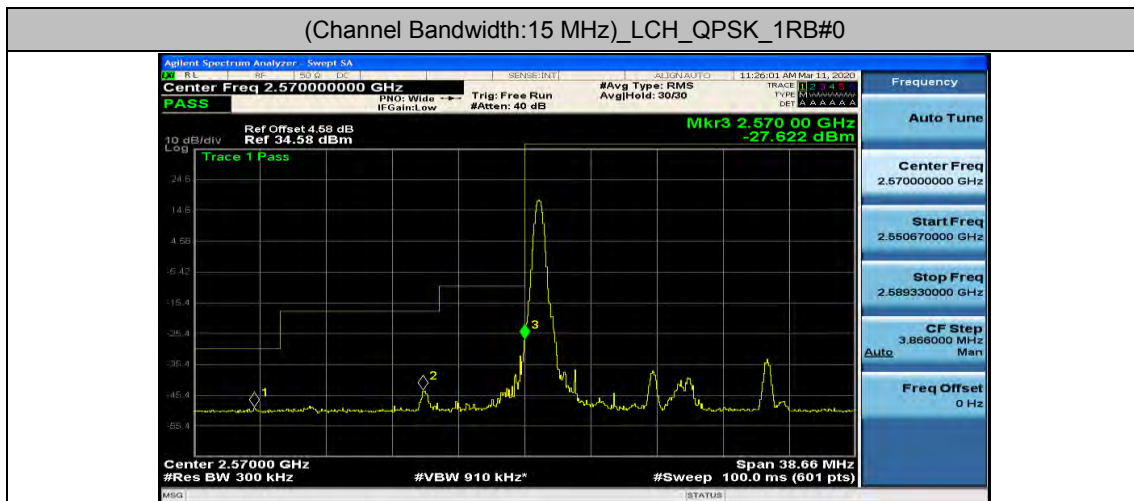


(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



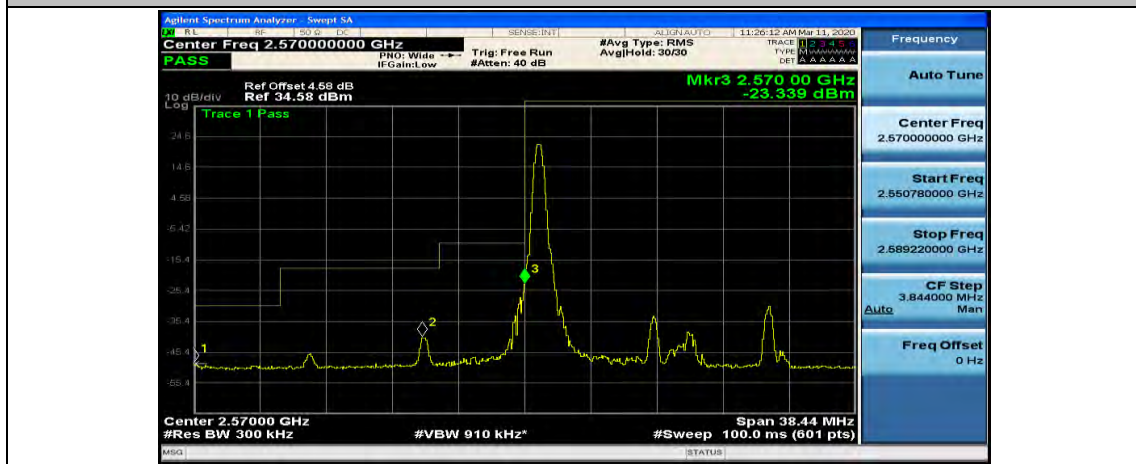
(Channel Bandwidth: 15 MHz)_LCH_QPSK_75RB#0



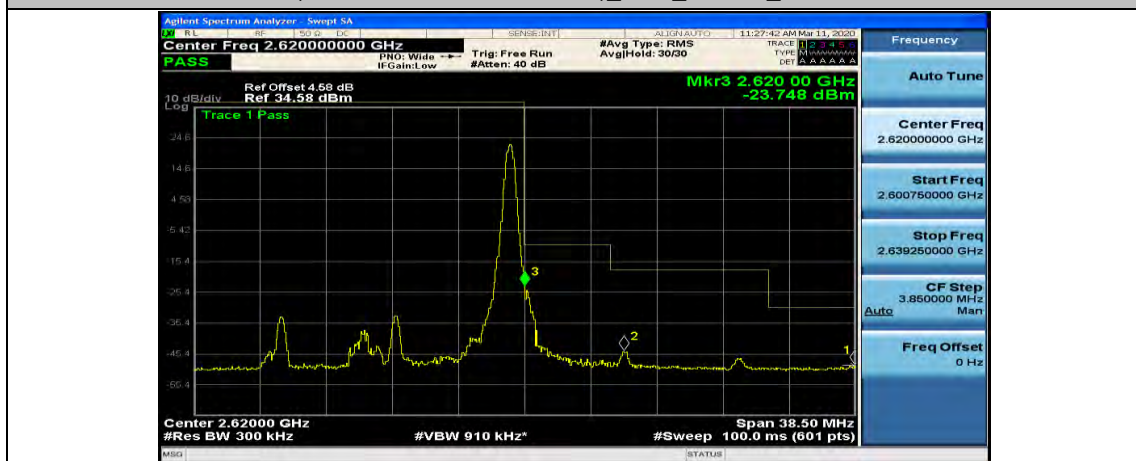
(Channel Bandwidth: 15 MHz)_HCH_QPSK_75RB#0

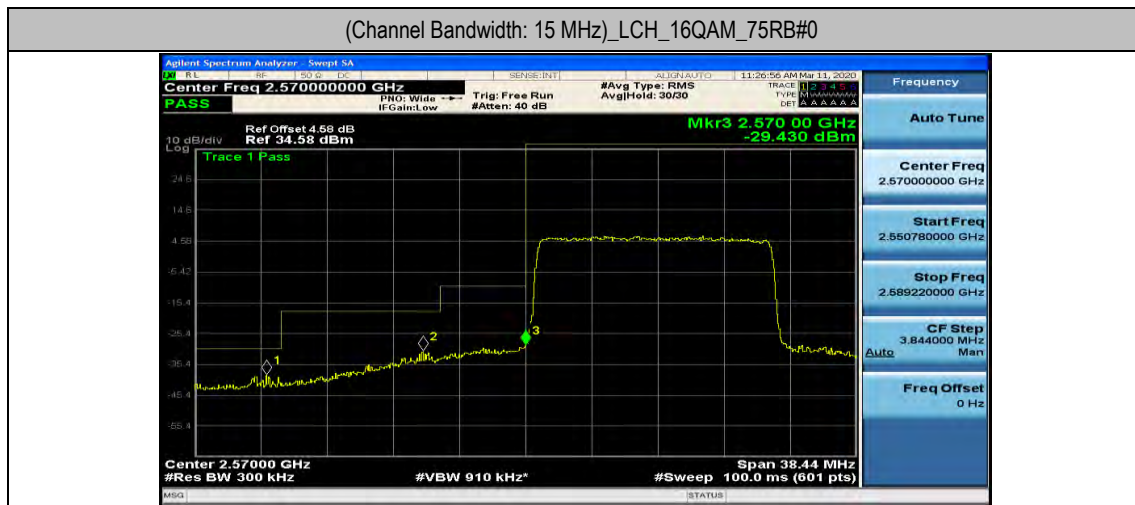


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

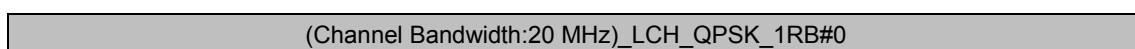


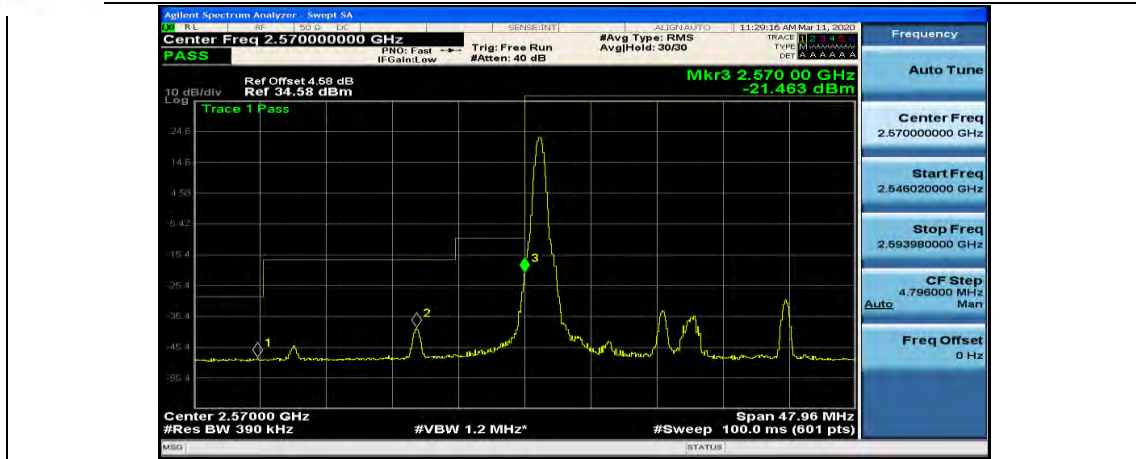
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



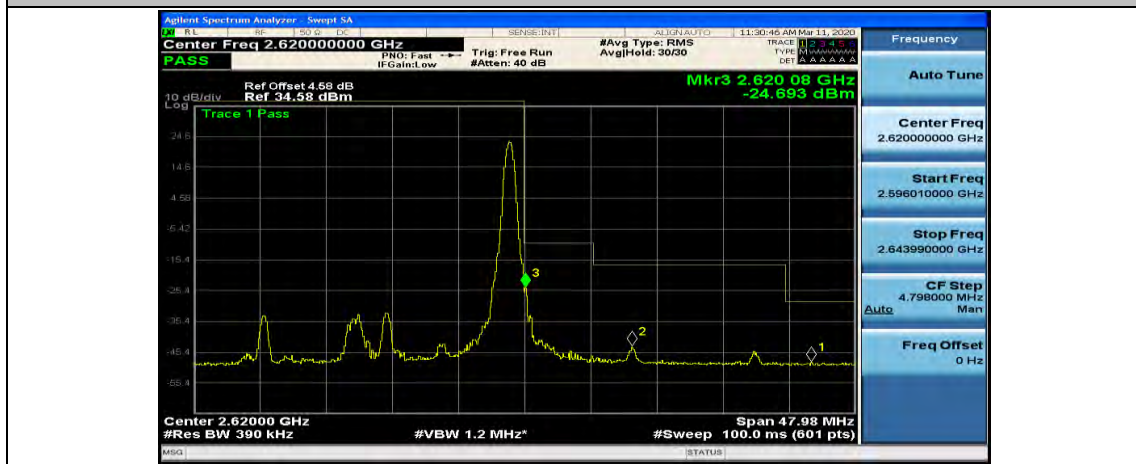


Channel Bandwidth: 20 MHz





(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99



(Channel Bandwidth: 20 MHz)_LCH_QPSK_100RB#0

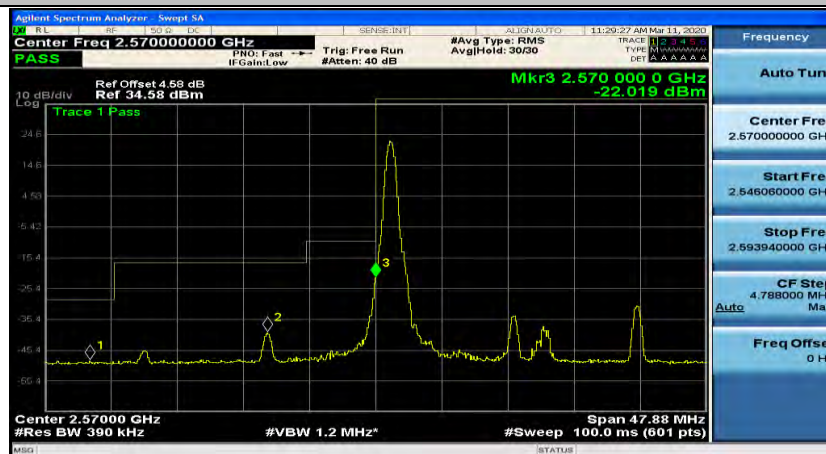




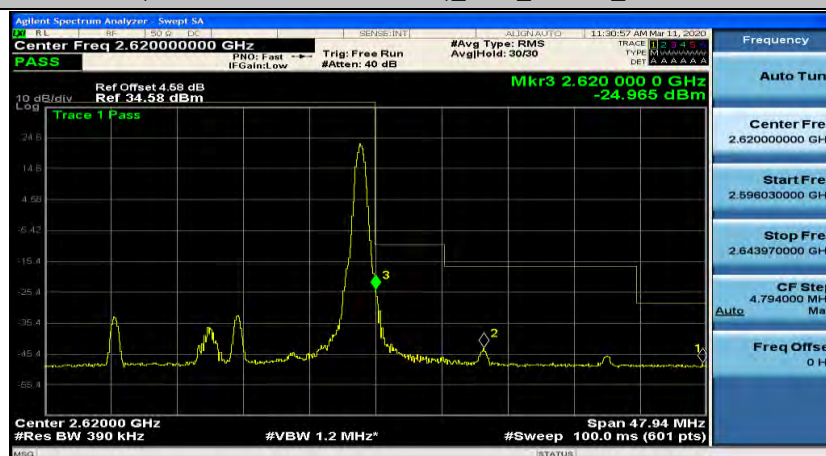
(Channel Bandwidth: 20 MHz)_HCH_QPSK_100RB#0



(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99





(Channel Bandwidth: 20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0



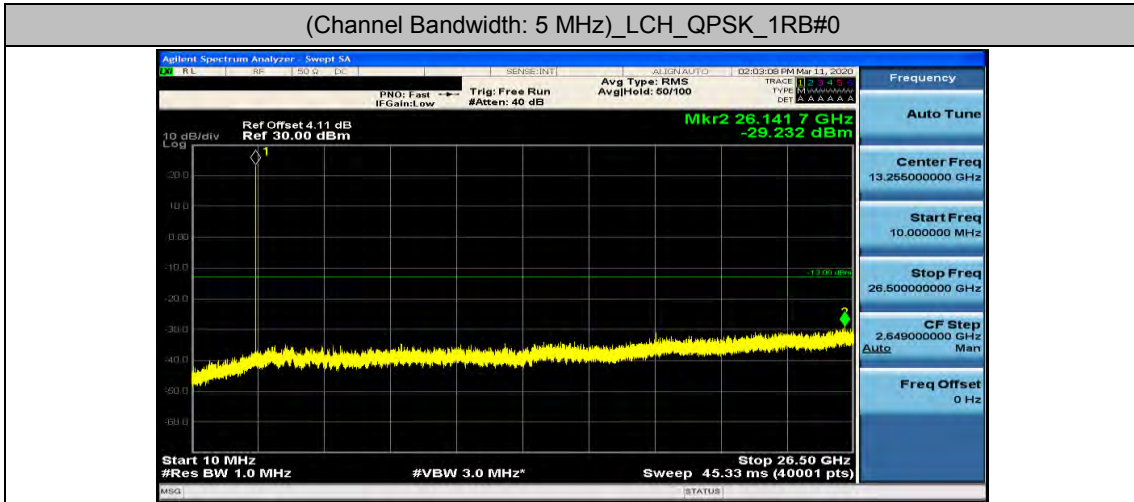


Appendix E: Conducted Spurious Emission

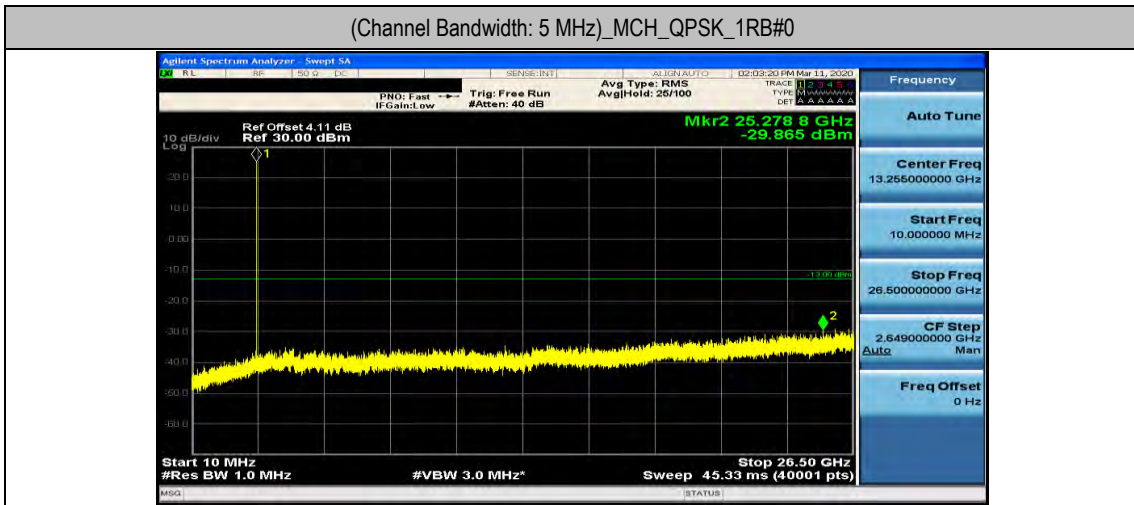
Test Graphs

Channel Bandwidth: 5 MHz

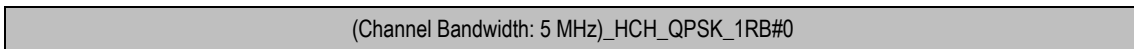
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

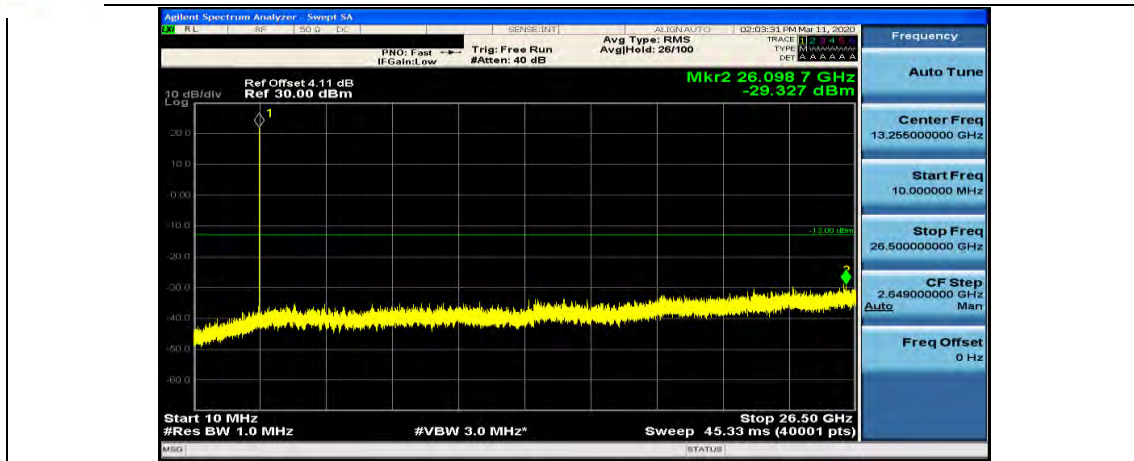
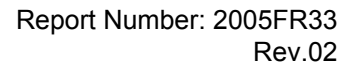


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

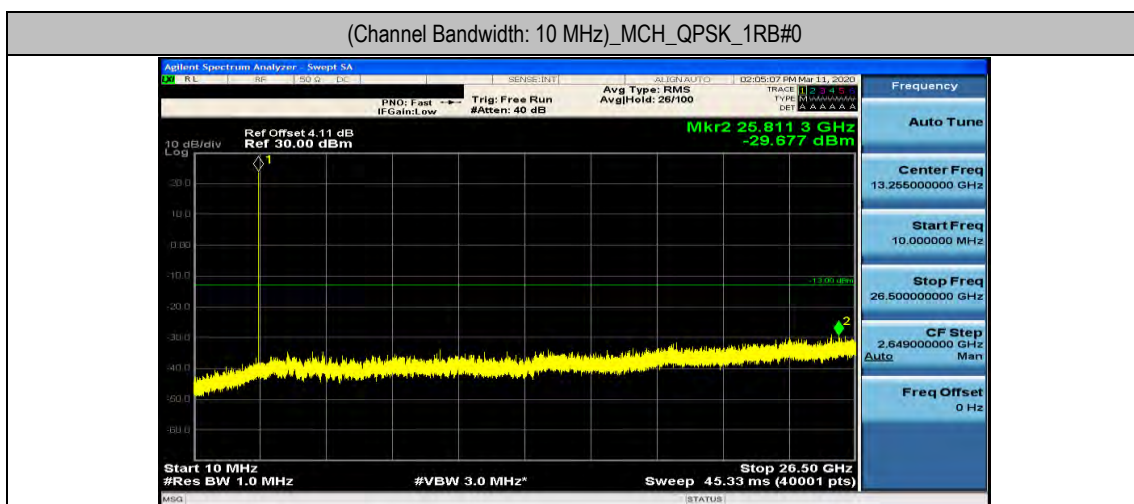
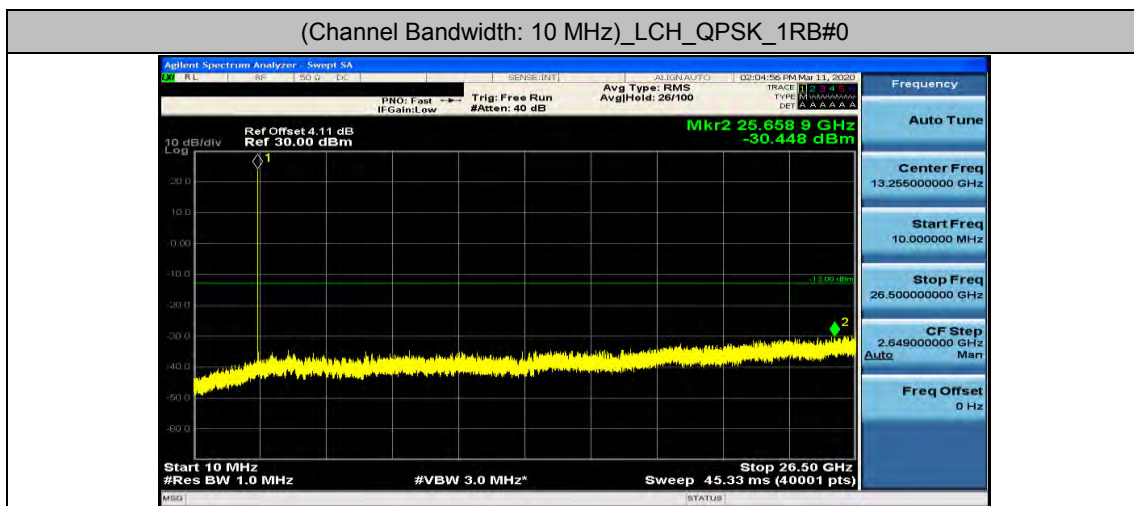


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

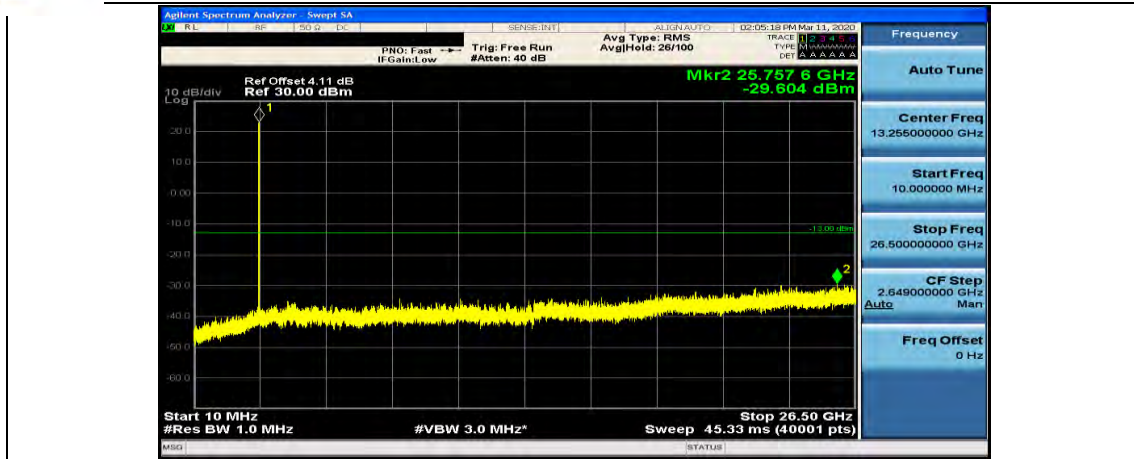




Channel Bandwidth: 10 MHz

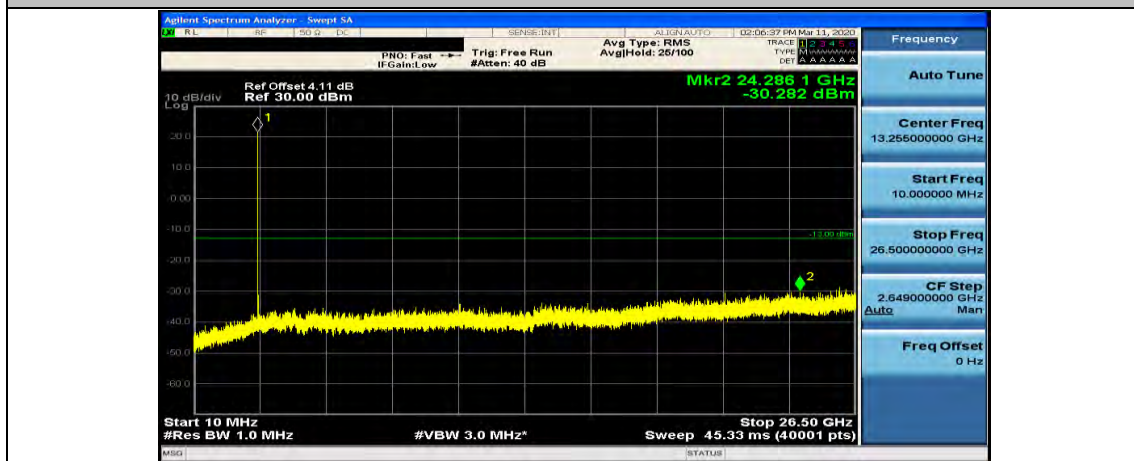


(Channel Bandwidth: 10 MHz)_HCH_QPSK_1RB#0

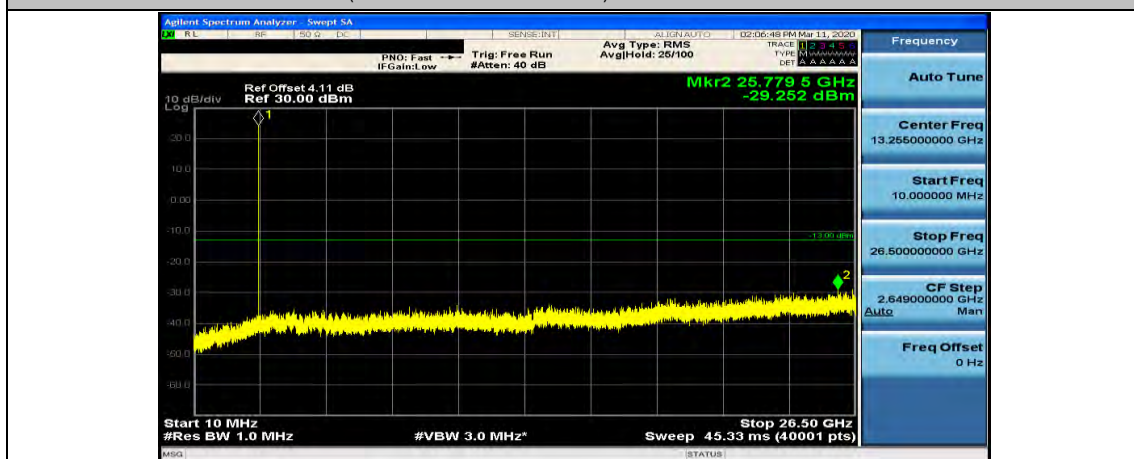


Channel Bandwidth: 15 MHz

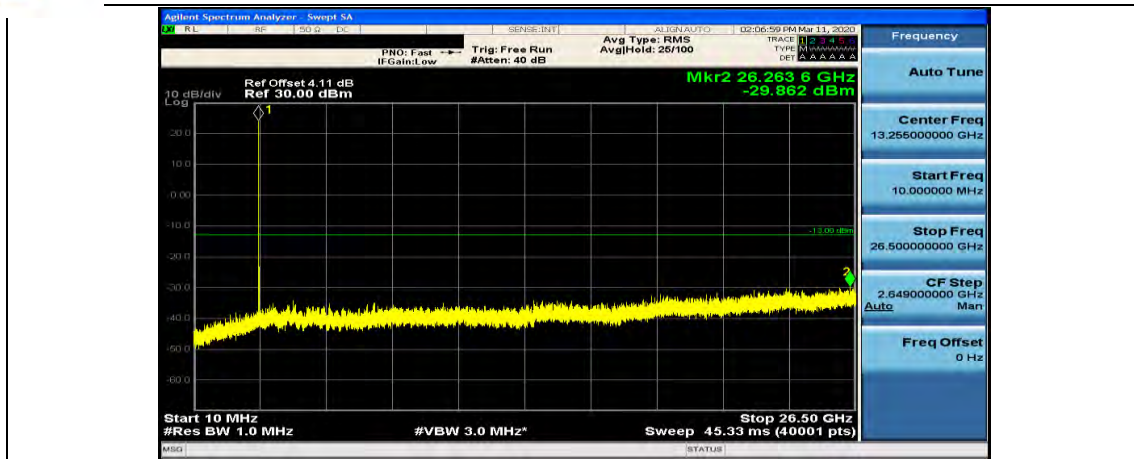
(Channel Bandwidth: 15 MHz)_LCH_QPSK_1RB#0



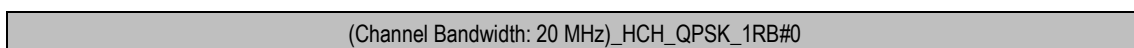
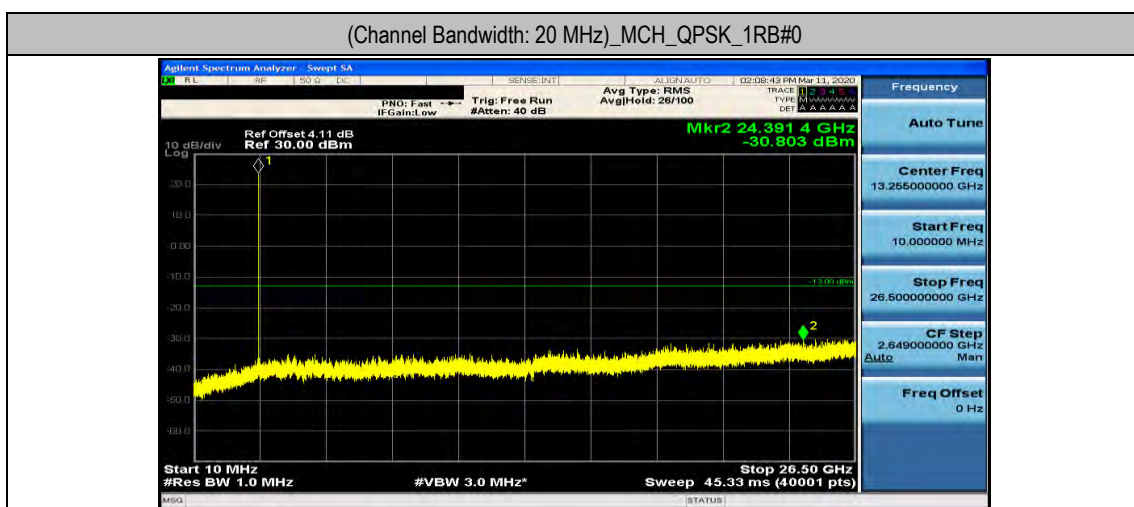
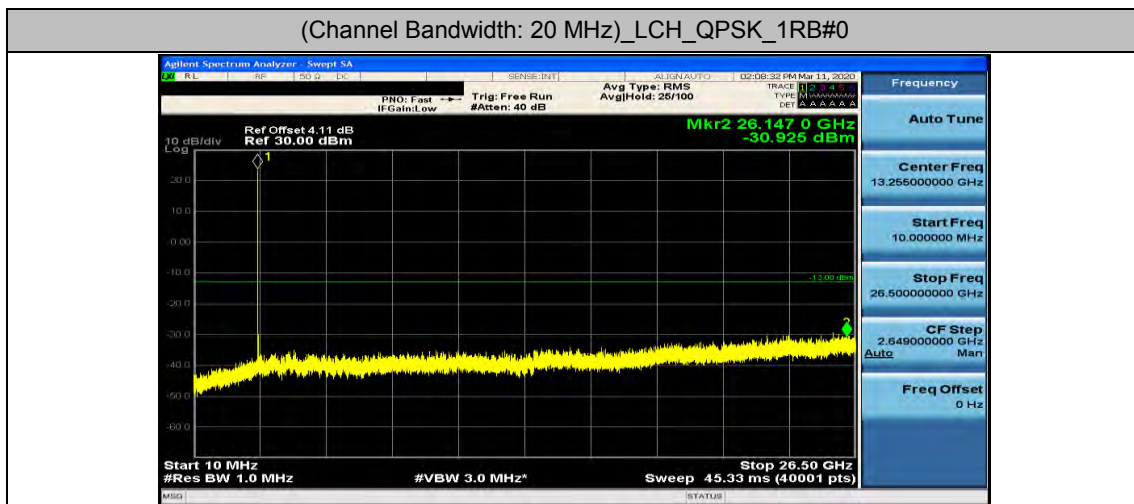
(Channel Bandwidth: 15 MHz)_MCH_QPSK_1RB#0

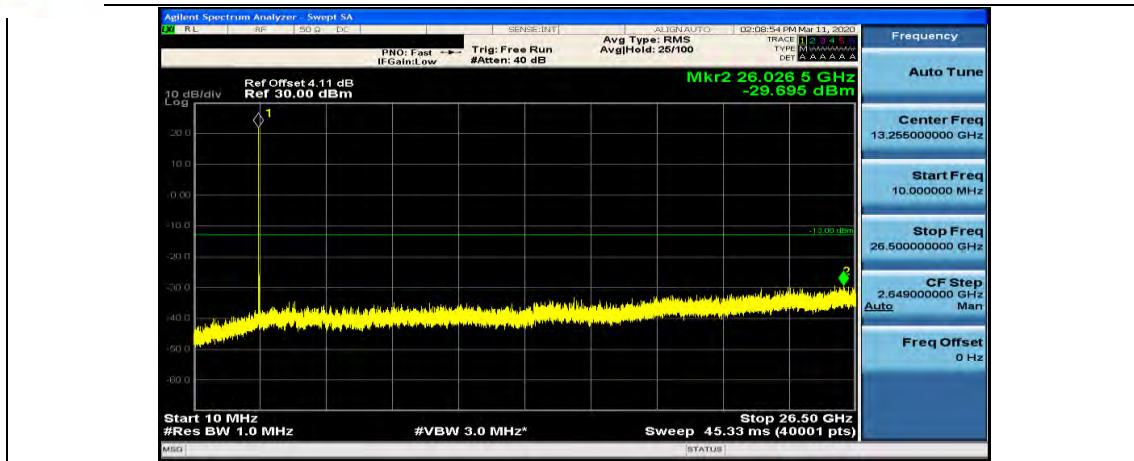


(Channel Bandwidth: 15 MHz)_HCH_QPSK_1RB#0



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	-2.30	-0.000894	± 2.5	PASS
		VN	TN	11.80	0.004587	± 2.5	PASS
		VH	TN	6.30	0.002449	± 2.5	PASS
	MCH	VL	TN	4.30	0.001657	± 2.5	PASS
		VN	TN	2.70	0.001040	± 2.5	PASS
		VH	TN	8.60	0.003314	± 2.5	PASS
	HCH	VL	TN	10.90	0.004164	± 2.5	PASS
		VN	TN	0.80	0.000306	± 2.5	PASS
		VH	TN	2.10	0.000802	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.80	0.001866	± 2.5	PASS
		VN	-20	3.10	0.001205	± 2.5	PASS
		VN	-10	3.10	0.001205	± 2.5	PASS
		VN	0	-0.30	-0.000117	± 2.5	PASS
		VN	10	5.00	0.001944	± 2.5	PASS
		VN	20	12.80	0.004976	± 2.5	PASS
		VN	30	3.90	0.001516	± 2.5	PASS
		VN	40	4.70	0.001827	± 2.5	PASS
		VN	50	9.20	0.003576	± 2.5	PASS
	MCH	VN	-30	5.40	0.002081	± 2.5	PASS
		VN	-20	5.90	0.002274	± 2.5	PASS
		VN	-10	0.40	0.000154	± 2.5	PASS
		VN	0	-1.40	-0.000539	± 2.5	PASS

		VN	10	-0.30	-0.000116	± 2.5	PASS
		VN	20	1.20	0.000462	± 2.5	PASS
		VN	30	-2.50	-0.000963	± 2.5	PASS
		VN	40	6.60	0.002543	± 2.5	PASS
		VN	50	-8.10	-0.003121	± 2.5	PASS
	HCH	VN	-30	11.60	0.004432	± 2.5	PASS
		VN	-20	-1.10	-0.000420	± 2.5	PASS
		VN	-10	5.70	0.002178	± 2.5	PASS
		VN	0	9.30	0.003553	± 2.5	PASS
		VN	10	3.60	0.001375	± 2.5	PASS
		VN	20	2.40	0.000917	± 2.5	PASS
		VN	30	-3.80	-0.001452	± 2.5	PASS
		VN	40	-2.20	-0.000840	± 2.5	PASS
		VN	50	2.20	0.000840	± 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	8.30	0.003223	± 2.5	PASS
		VN	TN	12.70	0.004932	± 2.5	PASS
		VH	TN	14.10	0.005476	± 2.5	PASS
	MCH	VL	TN	5.30	0.002042	± 2.5	PASS
		VN	TN	-1.50	-0.000578	± 2.5	PASS
		VH	TN	8.50	0.003276	± 2.5	PASS
	HCH	VL	TN	-1.40	-0.000535	± 2.5	PASS
		VN	TN	-7.50	-0.002868	± 2.5	PASS
		VH	TN	3.10	0.001185	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	9.40	0.003650	± 2.5	PASS
		VN	-20	13.30	0.005165	± 2.5	PASS
		VN	-10	12.90	0.005010	± 2.5	PASS
		VN	0	7.90	0.003068	± 2.5	PASS
		VN	10	8.40	0.003262	± 2.5	PASS
		VN	20	6.50	0.002524	± 2.5	PASS
		VN	30	8.70	0.003379	± 2.5	PASS
		VN	40	8.20	0.003184	± 2.5	PASS
		VN	50	-2.10	-0.000816	± 2.5	PASS
	MCH	VN	-30	8.50	0.003276	± 2.5	PASS
		VN	-20	3.10	0.001195	± 2.5	PASS
		VN	-10	3.70	0.001426	± 2.5	PASS
		VN	0	6.80	0.002620	± 2.5	PASS
		VN	10	-5.00	-0.001927	± 2.5	PASS
		VN	20	-4.50	-0.001734	± 2.5	PASS
VN		30	3.30	0.001272	± 2.5	PASS	

		VN	40	3.20	0.001233	± 2.5	PASS
		VN	50	2.30	0.000886	± 2.5	PASS
	HCH	VN	-30	4.10	0.001568	± 2.5	PASS
		VN	-20	-3.90	-0.001491	± 2.5	PASS
		VN	-10	0.10	0.000038	± 2.5	PASS
		VN	0	-2.30	-0.000880	± 2.5	PASS
		VN	10	-4.70	-0.001797	± 2.5	PASS
		VN	20	3.40	0.001300	± 2.5	PASS
		VN	30	-8.10	-0.003098	± 2.5	PASS
		VN	40	0.40	0.000153	± 2.5	PASS
		VN	50	-5.60	-0.002141	± 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	-9.00	-0.003492	± 2.5	PASS
		VN	TN	-7.90	-0.003065	± 2.5	PASS
		VH	TN	-5.30	-0.002056	± 2.5	PASS
	MCH	VL	TN	7.80	0.003006	± 2.5	PASS
		VN	TN	8.10	0.003121	± 2.5	PASS
		VH	TN	1.10	0.000424	± 2.5	PASS
	HCH	VL	TN	12.80	0.004900	± 2.5	PASS
		VN	TN	2.70	0.001033	± 2.5	PASS
		VH	TN	13.40	0.005129	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.00	0.000000	± 2.5	PASS
		VN	-20	-2.40	-0.000931	± 2.5	PASS
		VN	-10	-1.50	-0.000582	± 2.5	PASS
		VN	0	-4.00	-0.001552	± 2.5	PASS
		VN	10	-0.20	-0.000078	± 2.5	PASS
		VN	20	-2.20	-0.000854	± 2.5	PASS
		VN	30	-4.70	-0.001823	± 2.5	PASS
		VN	40	1.80	0.000698	± 2.5	PASS
		VN	50	3.30	0.001280	± 2.5	PASS
	MCH	VN	-30	-2.90	-0.001118	± 2.5	PASS
		VN	-20	5.00	0.001927	± 2.5	PASS
		VN	-10	0.30	0.000116	± 2.5	PASS
		VN	0	5.30	0.002042	± 2.5	PASS
		VN	10	-0.20	-0.000077	± 2.5	PASS
		VN	20	-1.40	-0.000539	± 2.5	PASS
		VN	30	-0.30	-0.000116	± 2.5	PASS
		VN	40	3.90	0.001503	± 2.5	PASS
		VN	50	7.90	0.003044	± 2.5	PASS
	HCH	VN	-30	3.10	0.001187	± 2.5	PASS

		VN	-20	6.20	0.002373	± 2.5	PASS
		VN	-10	14.40	0.005512	± 2.5	PASS
		VN	0	4.30	0.001646	± 2.5	PASS
		VN	10	11.70	0.004478	± 2.5	PASS
		VN	20	13.30	0.005091	± 2.5	PASS
		VN	30	7.50	0.002871	± 2.5	PASS
		VN	40	1.00	0.000383	± 2.5	PASS
		VN	50	13.30	0.005091	± 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	5.70	0.002209	± 2.5	PASS
		VN	TN	8.80	0.003411	± 2.5	PASS
		VH	TN	6.80	0.002636	± 2.5	PASS
	MCH	VL	TN	-2.60	-0.001002	± 2.5	PASS
		VN	TN	21.70	0.008362	± 2.5	PASS
		VH	TN	7.90	0.003044	± 2.5	PASS
	HCH	VL	TN	4.50	0.001724	± 2.5	PASS
		VN	TN	-4.50	-0.001724	± 2.5	PASS
		VH	TN	-5.20	-0.001992	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	6.60	0.002558	± 2.5	PASS
		VN	-20	-4.20	-0.001628	± 2.5	PASS
		VN	-10	2.50	0.000969	± 2.5	PASS
		VN	0	8.00	0.003101	± 2.5	PASS
		VN	10	8.40	0.003256	± 2.5	PASS
		VN	20	7.50	0.002907	± 2.5	PASS
		VN	30	4.30	0.001667	± 2.5	PASS
		VN	40	1.10	0.000426	± 2.5	PASS
		VN	50	-4.30	-0.001667	± 2.5	PASS
	MCH	VN	-30	7.60	0.002929	± 2.5	PASS
		VN	-20	5.10	0.001965	± 2.5	PASS
		VN	-10	3.90	0.001503	± 2.5	PASS
		VN	0	5.10	0.001965	± 2.5	PASS
		VN	10	4.70	0.001811	± 2.5	PASS
		VN	20	-0.90	-0.000347	± 2.5	PASS
		VN	30	1.60	0.000617	± 2.5	PASS
		VN	40	6.70	0.002582	± 2.5	PASS
		VN	50	3.20	0.001233	± 2.5	PASS
	HCH	VN	-30	5.70	0.002184	± 2.5	PASS
		VN	-20	-1.50	-0.000575	± 2.5	PASS
		VN	-10	3.30	0.001264	± 2.5	PASS
		VN	0	3.90	0.001494	± 2.5	PASS



		VN	10	9.50	0.003640	± 2.5	PASS
		VN	20	7.50	0.002874	± 2.5	PASS
		VN	30	-3.10	-0.001188	± 2.5	PASS
		VN	40	-4.50	-0.001724	± 2.5	PASS
		VN	50	8.80	0.003372	± 2.5	PASS