



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	20.39	PASS
		1	12	20.44	PASS
		1	24	20.49	PASS
		12	0	19.80	PASS
		12	6	19.51	PASS
		12	13	19.53	PASS
		25	0	19.51	PASS
	MCH	1	0	21.49	PASS
		1	12	21.47	PASS
		1	24	21.42	PASS
		12	0	20.59	PASS
		12	6	20.56	PASS
		12	13	20.52	PASS
		25	0	20.59	PASS
	HCH	1	0	20.49	PASS
		1	12	20.64	PASS
		1	24	20.76	PASS
		12	0	19.59	PASS
		12	6	19.68	PASS
		12	13	19.76	PASS
		25	0	19.65	PASS
16QAM	LCH	1	0	19.68	PASS
		1	12	19.68	PASS
		1	24	19.72	PASS
		12	0	18.53	PASS
		12	6	18.57	PASS
		12	13	18.59	PASS
		25	0	18.54	PASS
	MCH	1	0	20.84	PASS
		1	12	20.82	PASS
		1	24	20.74	PASS
		12	0	19.68	PASS
		12	6	19.65	PASS

		12	13	19.62	PASS
		25	0	19.67	PASS
	HCH	1	0	19.76	PASS
		1	12	19.88	PASS
		1	24	20.04	PASS
		12	0	18.67	PASS
		12	6	18.75	PASS
		12	13	18.84	PASS
		25	0	18.71	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	20.36	PASS
		1	24	20.46	PASS
		1	49	20.72	PASS
		25	0	19.50	PASS
		25	12	19.58	PASS
		25	25	19.68	PASS
		50	0	19.60	PASS
	MCH	1	0	21.45	PASS
		1	24	21.46	PASS
		1	49	21.33	PASS
		25	0	20.66	PASS
		25	12	20.58	PASS
		25	25	20.49	PASS
		50	0	20.58	PASS
	HCH	1	0	20.27	PASS
		1	24	20.46	PASS
		1	49	20.77	PASS
		25	0	19.44	PASS
		25	12	19.55	PASS
		25	25	19.69	PASS
		50	0	19.53	PASS
16QAM	LCH	1	0	19.60	PASS
		1	24	19.73	PASS
		1	49	20.06	PASS
		25	0	18.52	PASS
		25	12	18.63	PASS
		25	25	18.71	PASS
		50	0	18.63	PASS

	MCH	1	0	20.85	PASS
		1	24	20.80	PASS
		1	49	20.66	PASS
		25	0	19.71	PASS
		25	12	19.64	PASS
		25	25	19.53	PASS
		50	0	19.66	PASS
	HCH	1	0	19.59	PASS
		1	24	19.75	PASS
		1	49	20.06	PASS
		25	0	18.51	PASS
		25	12	18.65	PASS
		25	25	18.73	PASS
		50	0	18.59	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	20.37	PASS
		1	37	20.60	PASS
		1	74	21.07	PASS
		36	0	19.50	PASS
		36	19	19.71	PASS
		36	39	19.91	PASS
		75	0	19.69	PASS
	MCH	1	0	21.43	PASS
		1	37	21.48	PASS
		1	74	21.17	PASS
		36	0	20.63	PASS
		36	19	20.59	PASS
		36	39	20.42	PASS
		75	0	20.52	PASS
	HCH	1	0	20.33	PASS
		1	37	20.39	PASS
		1	74	20.76	PASS
		36	0	19.47	PASS
		36	19	19.50	PASS
		36	39	19.58	PASS
		75	0	19.56	PASS
16QAM	LCH	1	0	19.58	PASS
		1	37	19.86	PASS

		1	74	20.36	PASS
		36	0	18.55	PASS
		36	19	18.74	PASS
		36	39	18.96	PASS
		75	0	18.73	PASS
	MCH	1	0	20.83	PASS
		1	37	20.78	PASS
		1	74	20.44	PASS
		36	0	19.69	PASS
		36	19	19.67	PASS
		36	39	19.48	PASS
		75	0	19.59	PASS
	HCH	1	0	19.67	PASS
		1	37	19.73	PASS
		1	74	20.10	PASS
		36	0	18.54	PASS
		36	19	18.57	PASS
		36	39	18.66	PASS
		75	0	18.63	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	20.31	PASS
		1	49	20.68	PASS
		1	99	21.23	PASS
		50	0	19.62	PASS
		50	25	19.84	PASS
		50	50	20.05	PASS
		100	0	19.77	PASS
	MCH	1	0	21.46	PASS
		1	49	21.47	PASS
		1	99	20.91	PASS
		50	0	20.62	PASS
		50	25	20.55	PASS
		50	50	20.35	PASS
		100	0	20.49	PASS
	HCH	1	0	20.41	PASS
		1	49	20.30	PASS
		1	99	20.72	PASS
		50	0	19.44	PASS



16QAM			50	25	19.54	PASS
			50	50	19.54	PASS
			100	0	19.54	PASS
	LCH		1	0	19.59	PASS
			1	49	19.96	PASS
			1	99	20.46	PASS
			50	0	18.65	PASS
			50	25	18.89	PASS
			50	50	19.11	PASS
			100	0	18.83	PASS
	MCH		1	0	20.72	PASS
			1	49	20.78	PASS
			1	99	20.21	PASS
			50	0	19.69	PASS
			50	25	19.63	PASS
			50	50	19.43	PASS
			100	0	19.55	PASS
	HCH		1	0	19.73	PASS
			1	49	19.60	PASS
			1	99	20.00	PASS
			50	0	18.52	PASS
			50	25	18.61	PASS
			50	50	18.60	PASS
			100	0	18.62	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	3.22	<13	PASS
QPSK	MCH	1	0	3.33	<13	PASS
QPSK	HCH	1	0	3.4	<13	PASS
16QAM	LCH	1	0	4.9	<13	PASS
16QAM	MCH	1	0	5.01	<13	PASS
16QAM	HCH	1	0	5.24	<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	3.18	<13	PASS
QPSK	MCH	1	0	3.3	<13	PASS
QPSK	HCH	1	0	3.35	<13	PASS
16QAM	LCH	1	0	4.95	<13	PASS
16QAM	MCH	1	0	5.02	<13	PASS
16QAM	HCH	1	0	5.09	<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	3.22	<13	PASS
QPSK	MCH	1	0	3.24	<13	PASS
QPSK	HCH	1	0	3.26	<13	PASS
16QAM	LCH	1	0	4.85	<13	PASS
16QAM	MCH	1	0	4.68	<13	PASS



16QAM	HCH	1	0	4.94	<13	PASS
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Channel Bandwidth: 20 MHz

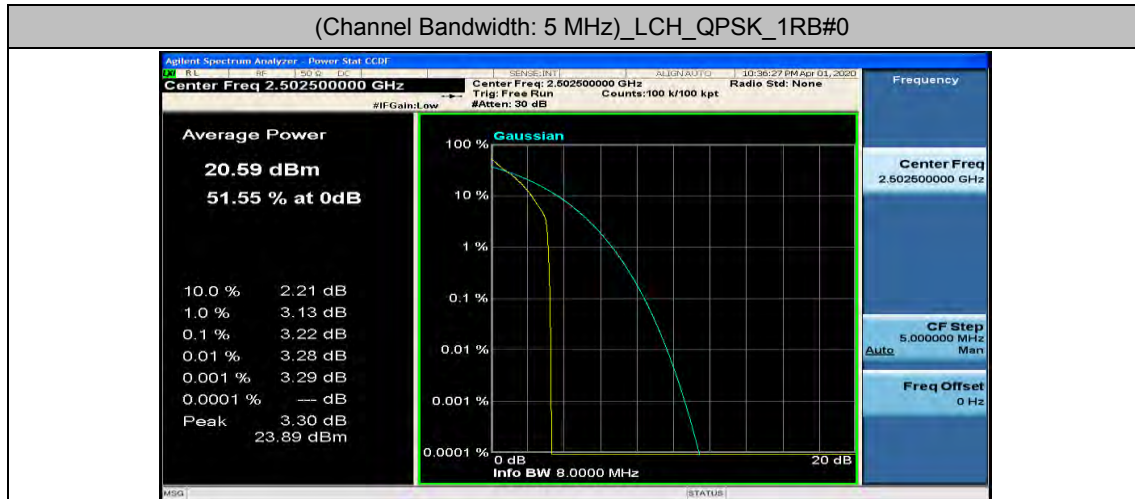
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.14	<13	PASS
QPSK	MCH	1	0	3.31	<13	PASS
QPSK	HCH	1	0	3.17	<13	PASS
16QAM	LCH	1	0	4.83	<13	PASS
16QAM	MCH	1	0	4.94	<13	PASS
16QAM	HCH	1	0	4.68	<13	PASS



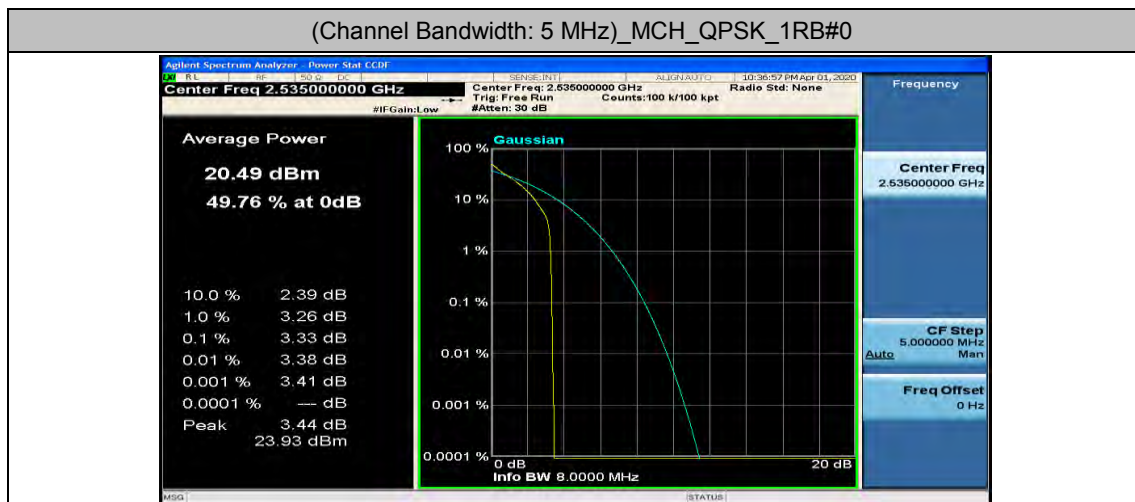
Test Graphs

Channel Bandwidth: 5 MHz

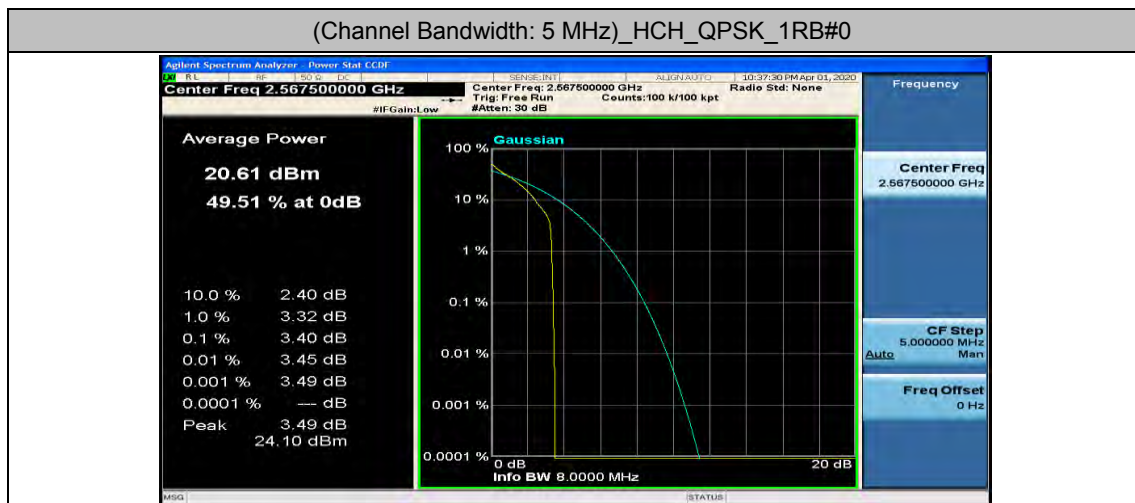
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

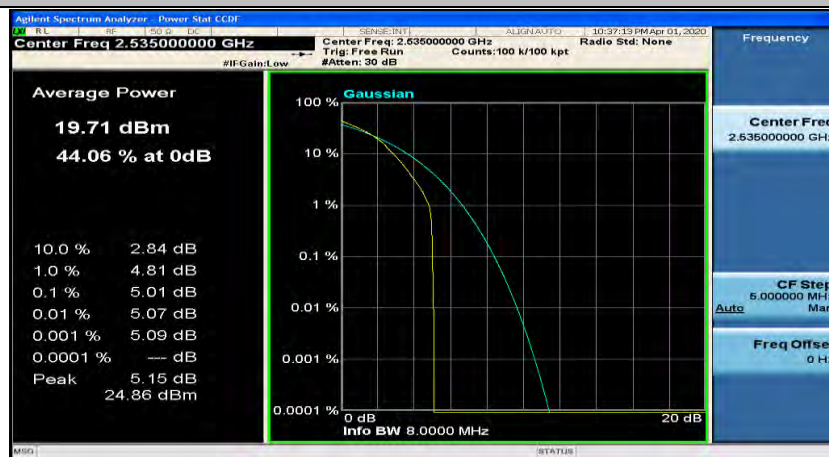




(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



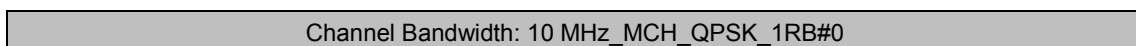
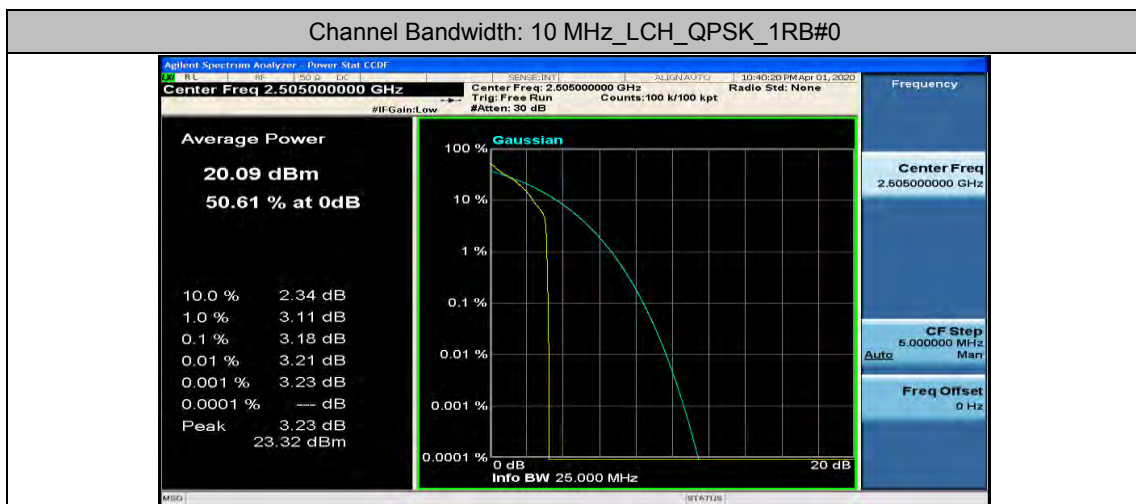
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

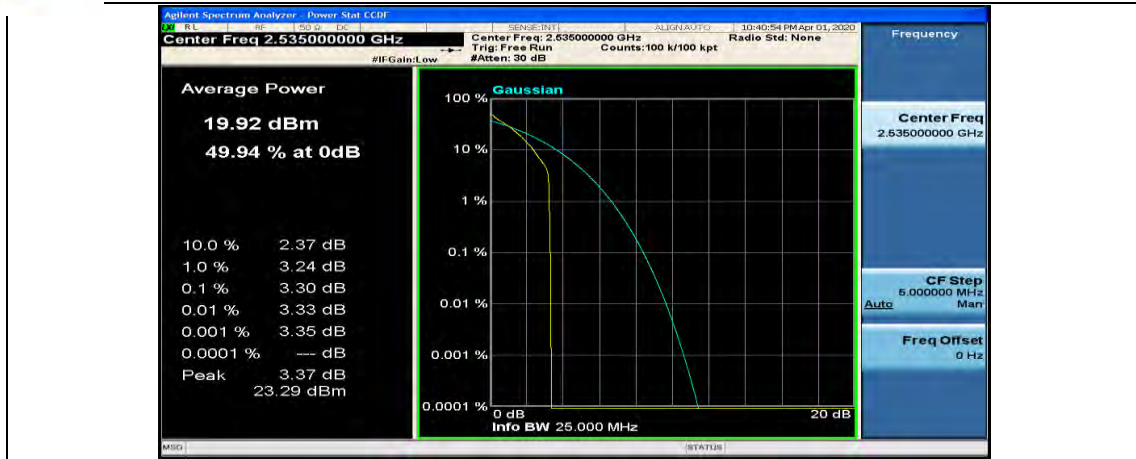


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz





Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



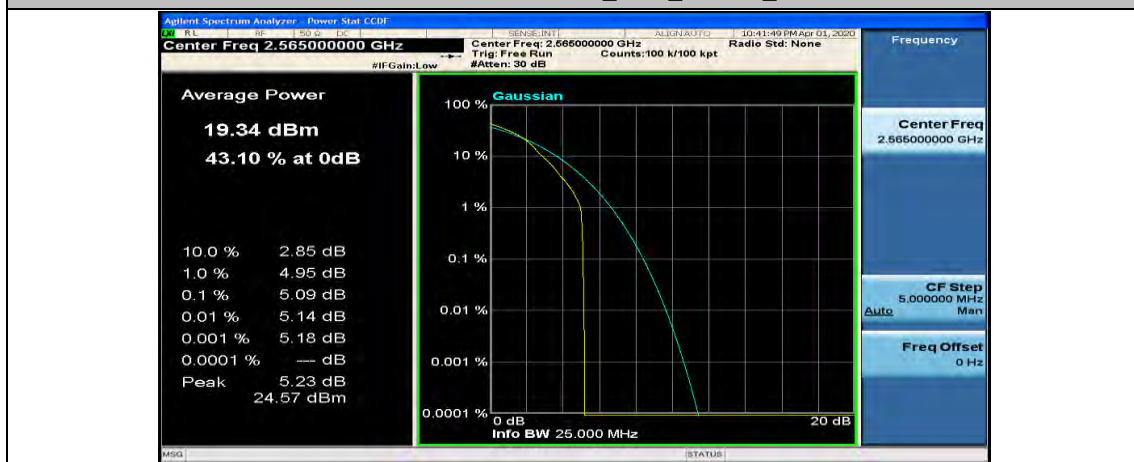
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



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

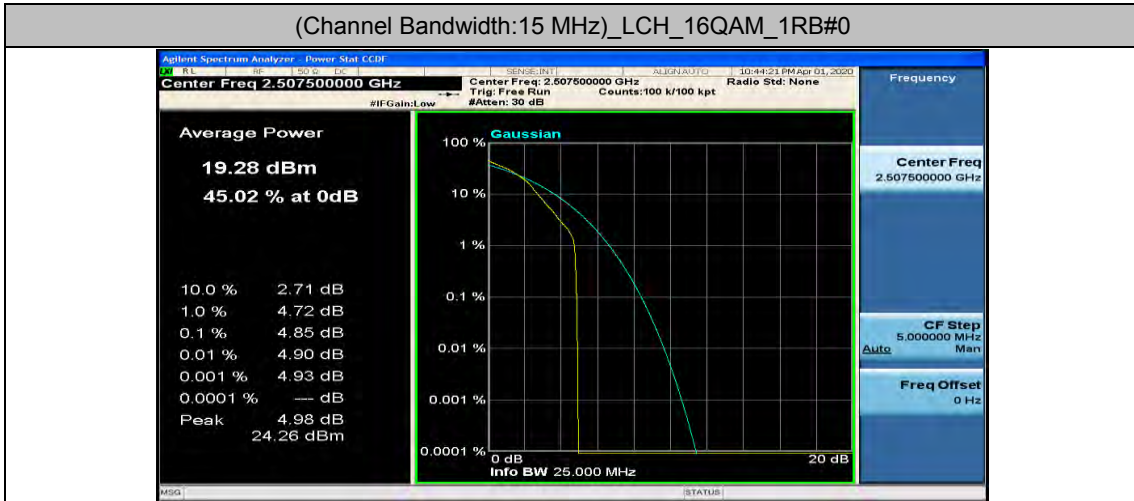


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

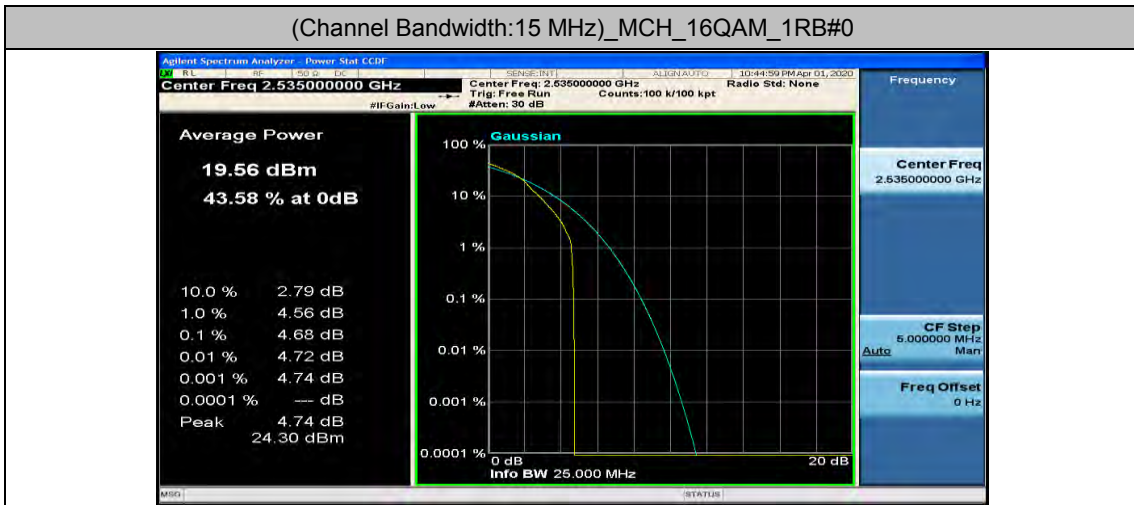




(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



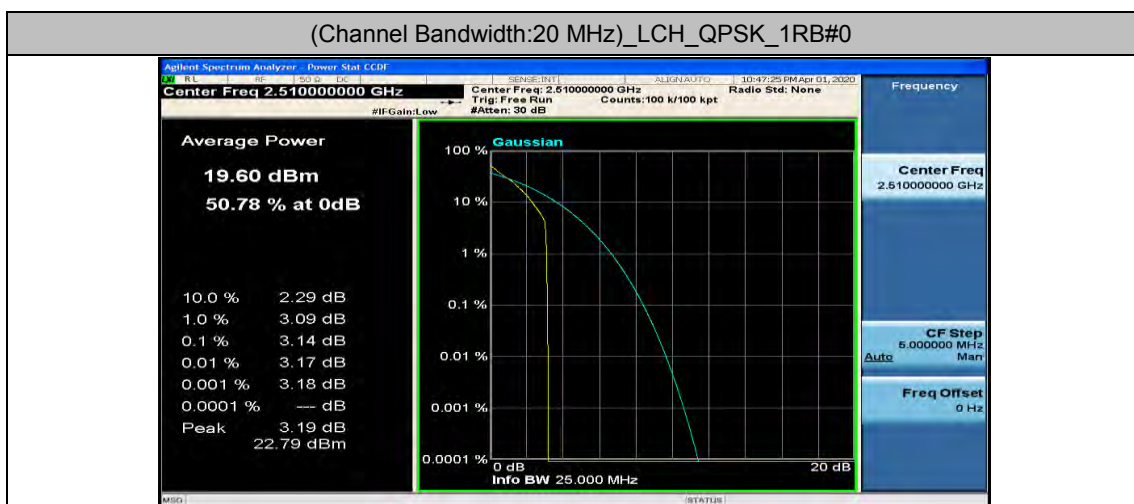
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



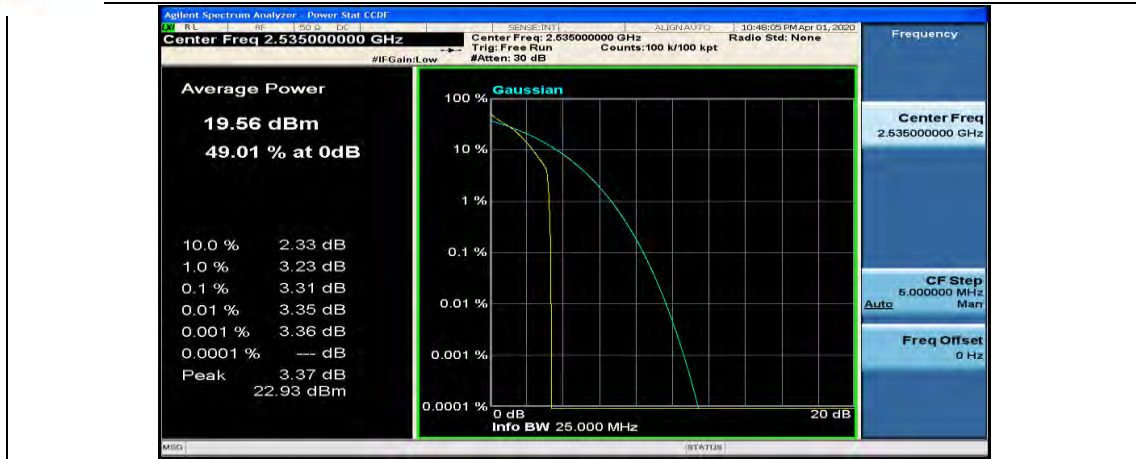
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



Channel Bandwidth: 20 MHz



(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



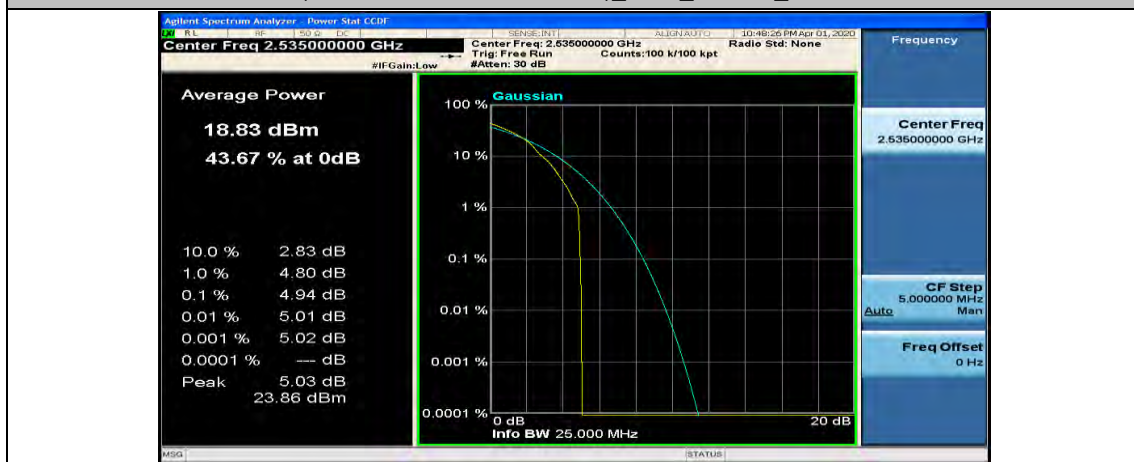
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



(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	4.4772	4.824	PASS
	MCH	25	0	4.4705	4.824	PASS
	HCH	25	0	4.4754	4.814	PASS
16QAM	LCH	25	0	4.4883	4.847	PASS
	MCH	25	0	4.4853	4.840	PASS
	HCH	25	0	4.4823	4.858	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	8.9298	9.556	PASS
	MCH	50	0	8.9327	9.530	PASS
	HCH	50	0	8.9373	9.479	PASS
16QAM	LCH	50	0	8.9434	9.553	PASS
	MCH	50	0	8.9467	9.451	PASS
	HCH	50	0	8.9492	9.510	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	13.405	14.15	PASS
	MCH	75	0	13.396	14.17	PASS
	HCH	75	0	13.407	14.18	PASS
16QAM	LCH	75	0	13.393	14.00	PASS
	MCH	75	0	13.385	14.00	PASS
	HCH	75	0	13.393	13.99	PASS

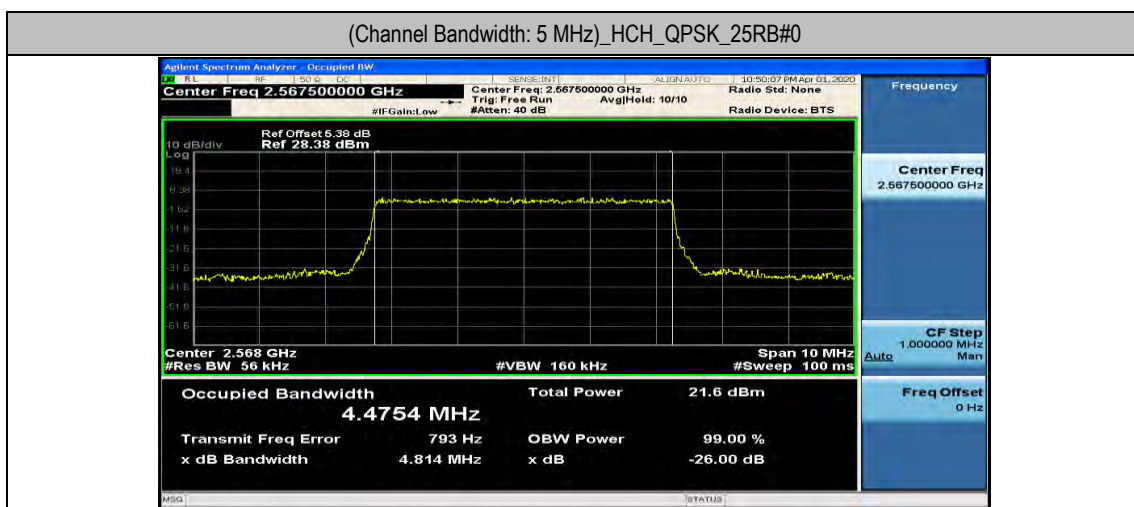
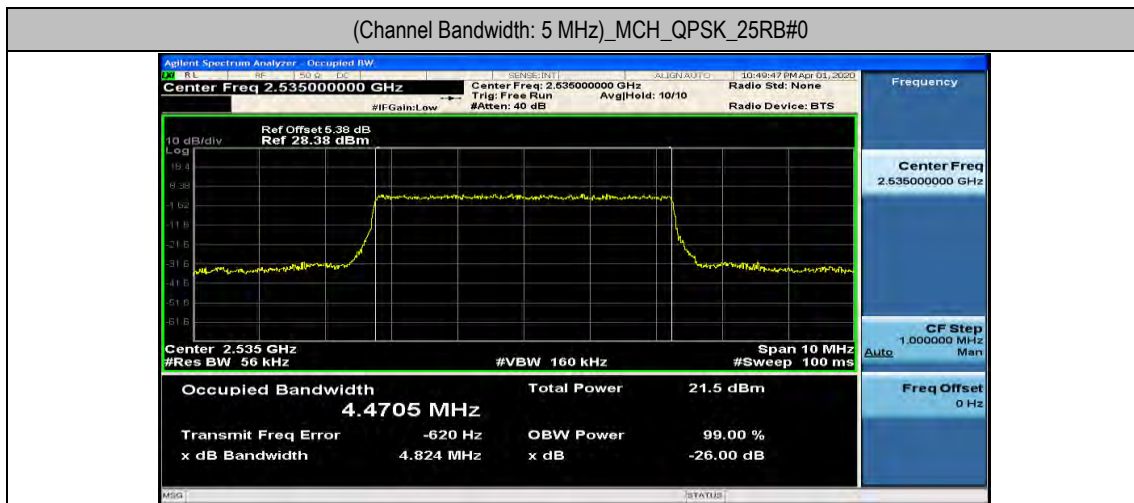
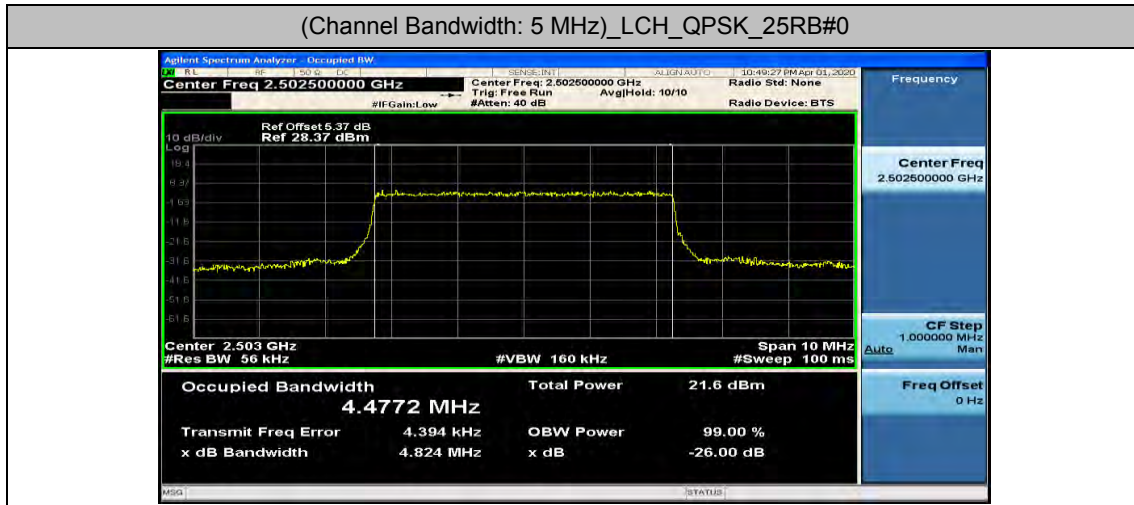
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.815	18.73	PASS
	MCH	100	0	17.827	18.71	PASS
	HCH	100	0	17.825	18.70	PASS
16QAM	LCH	100	0	17.832	18.58	PASS
	MCH	100	0	17.831	18.64	PASS
	HCH	100	0	17.843	18.66	PASS



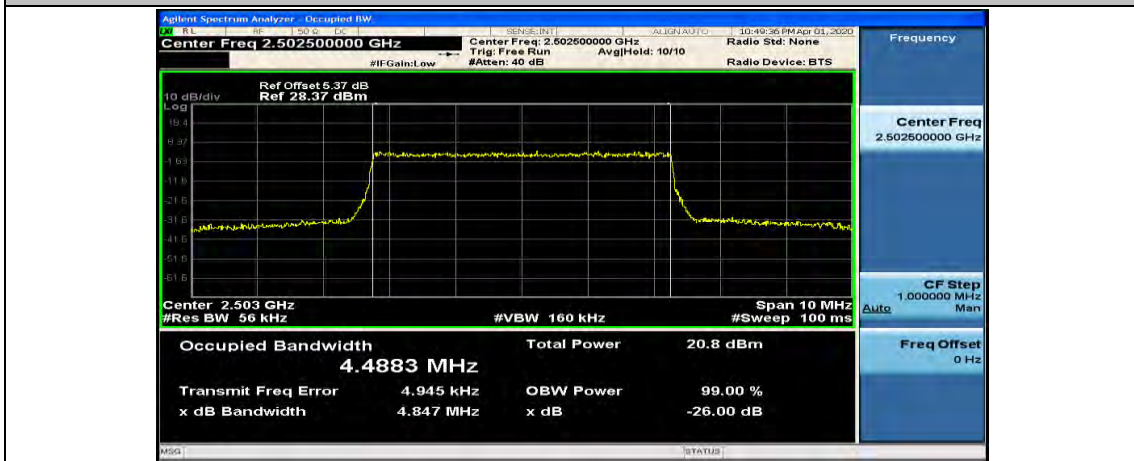
Test Graphs

Channel Bandwidth: 5 MHz

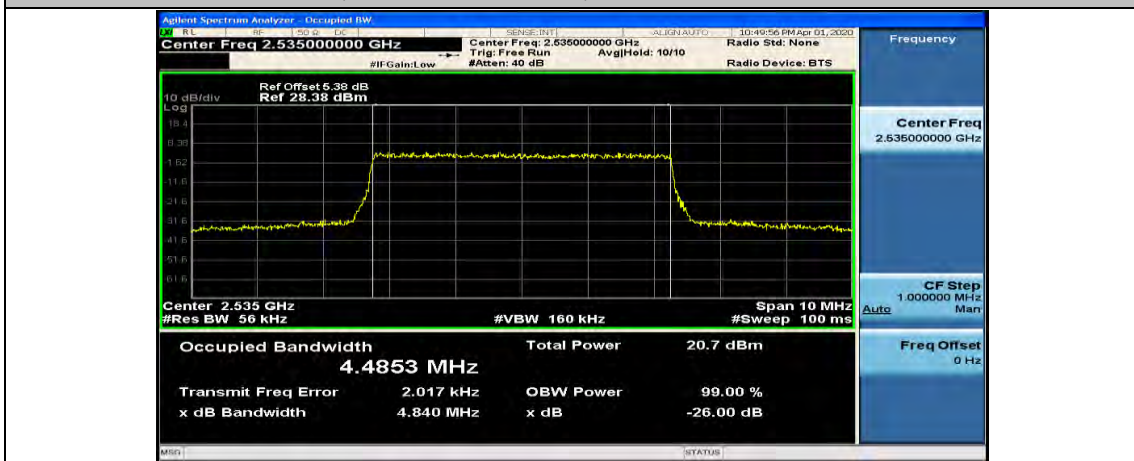




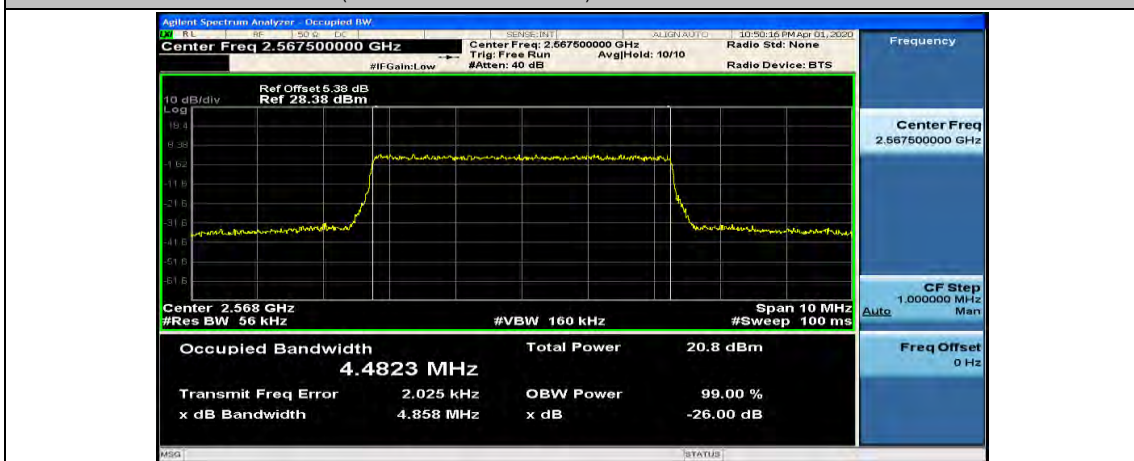
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



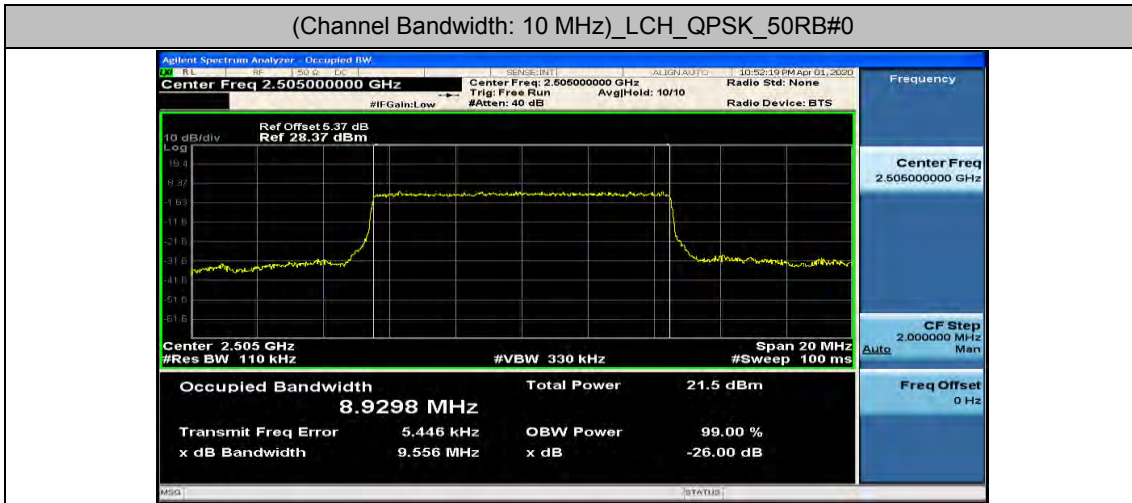
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



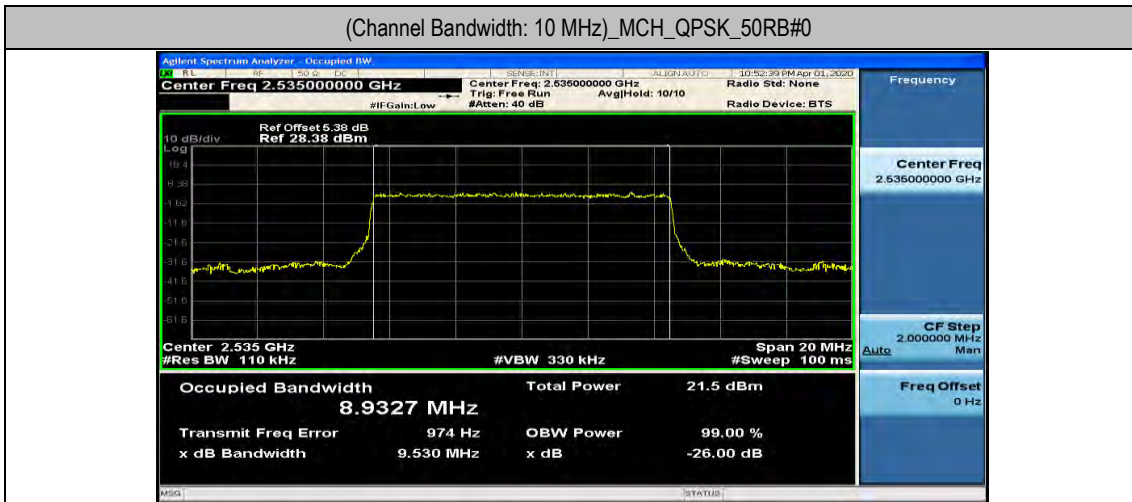


Channel Bandwidth: 10 MHz

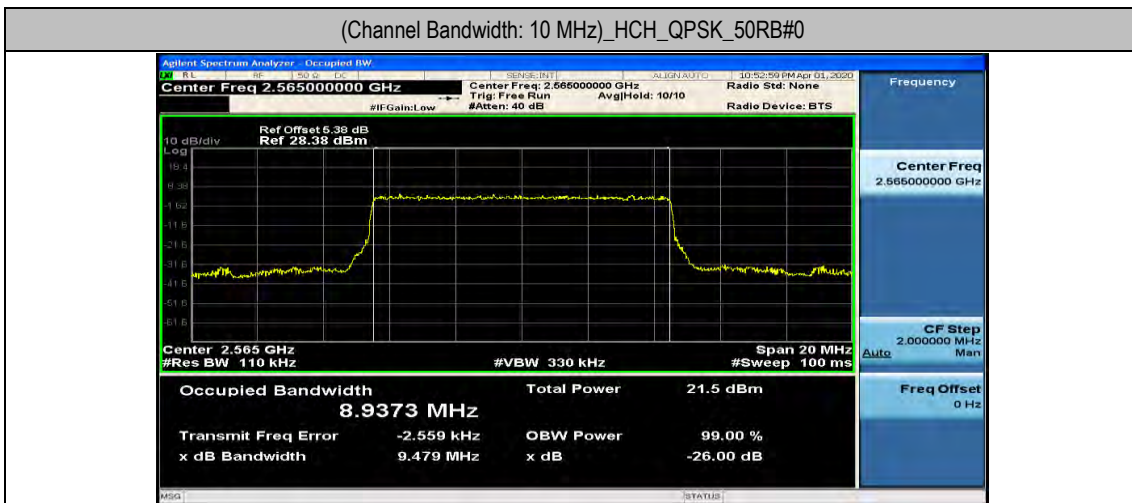
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(Channel Bandwidth: 10 MHz)_MCH_QPSK_50RB#0

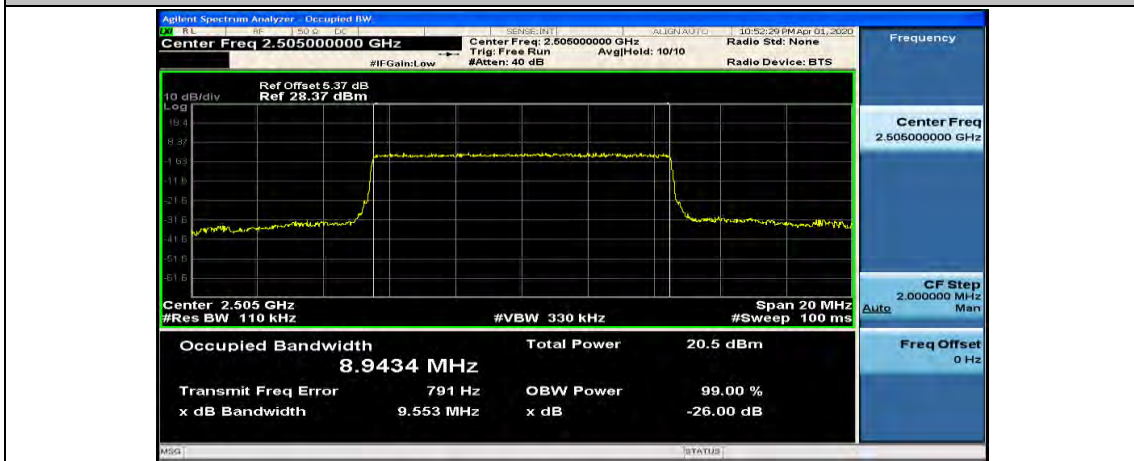


(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0

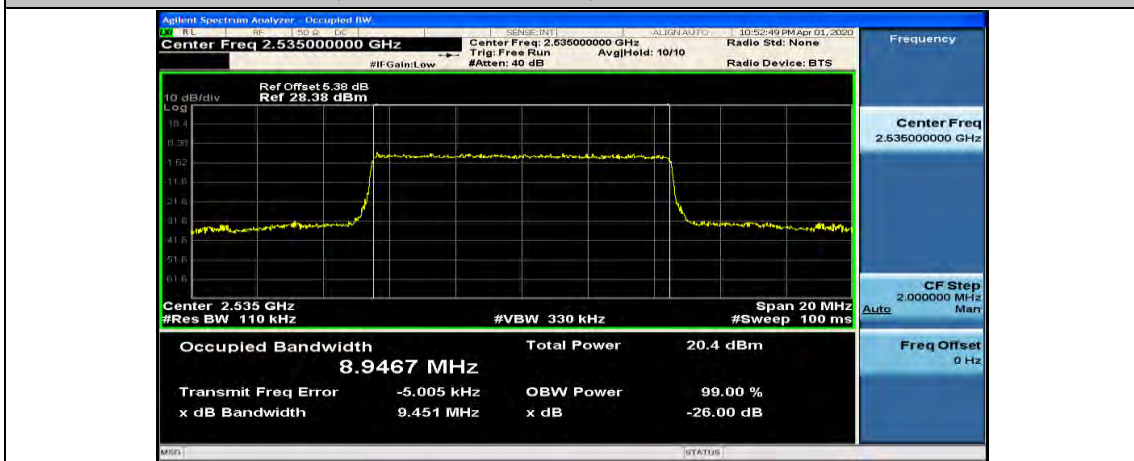




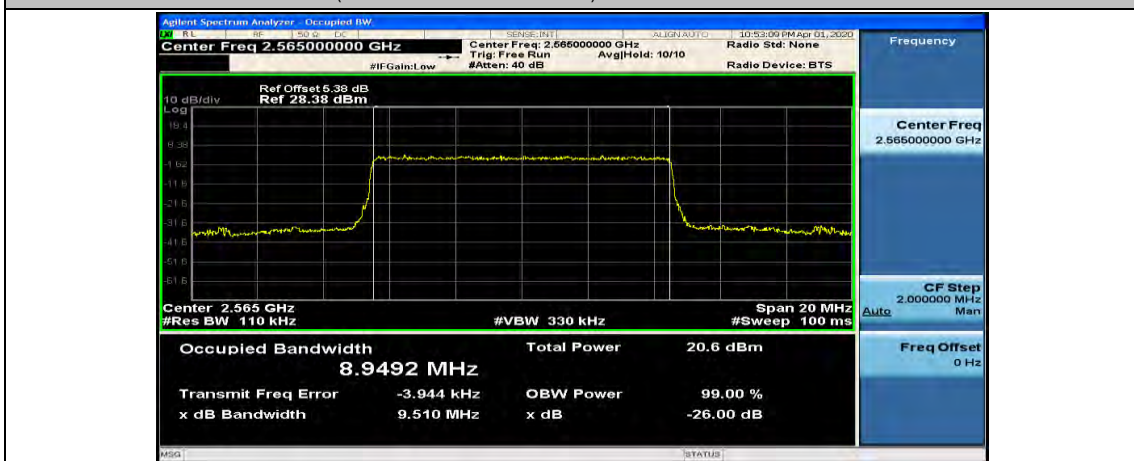
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(Channel Bandwidth: 10 MHz)_MCH_16QAM_50RB#0



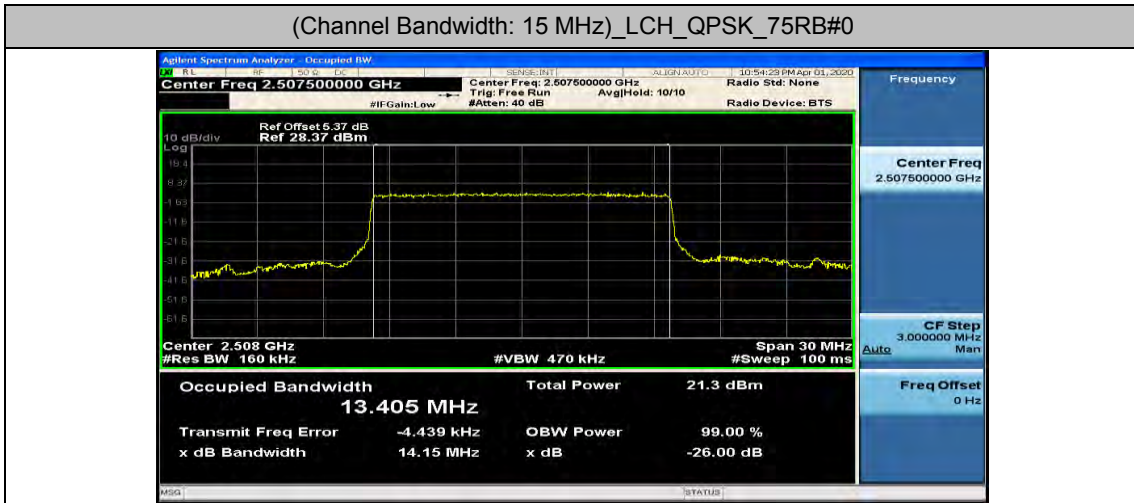
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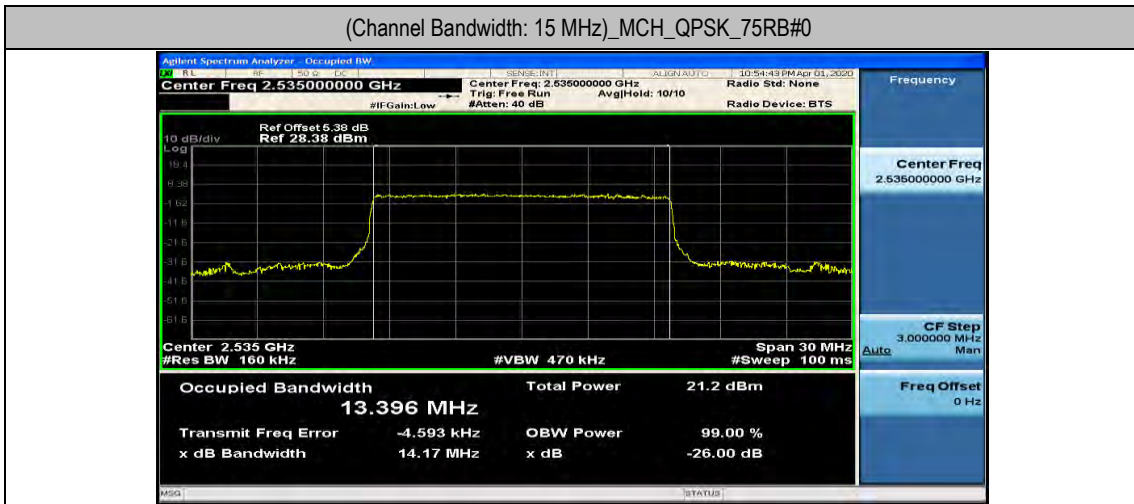


Channel Bandwidth: 15 MHz

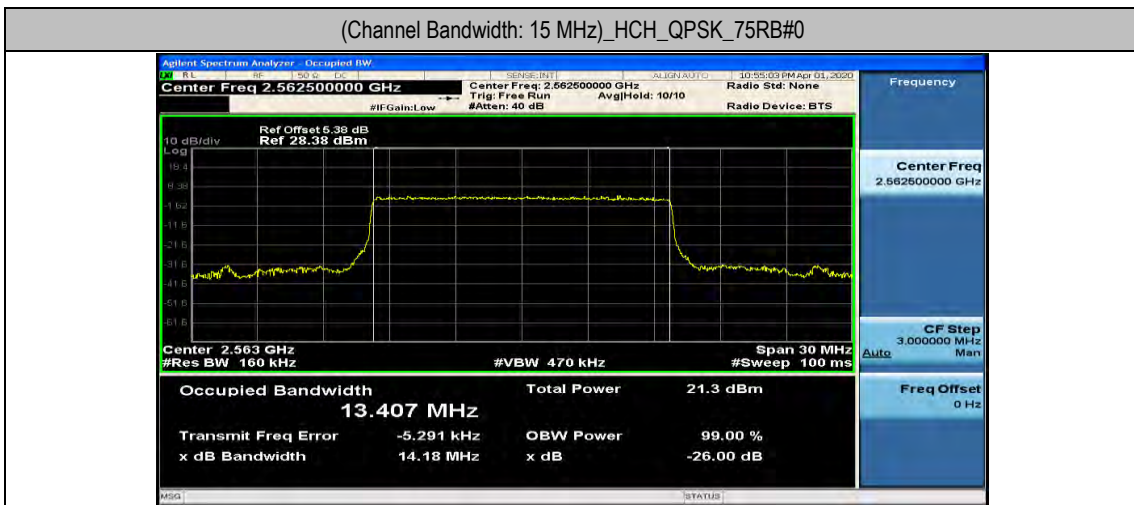
(Channel Bandwidth: 15 MHz)_LCH_QPSK_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_QPSK_75RB#0

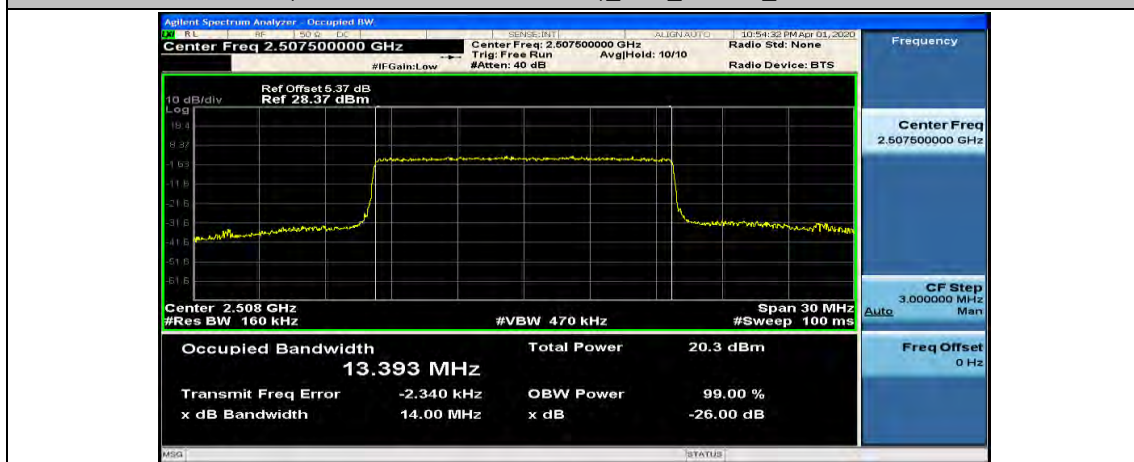


(Channel Bandwidth: 15 MHz)_HCH_QPSK_75RB#0

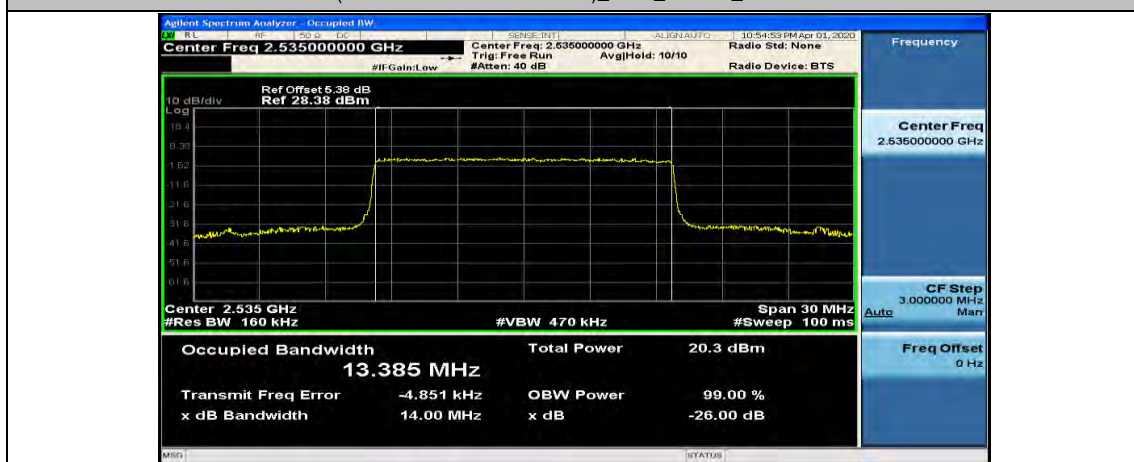




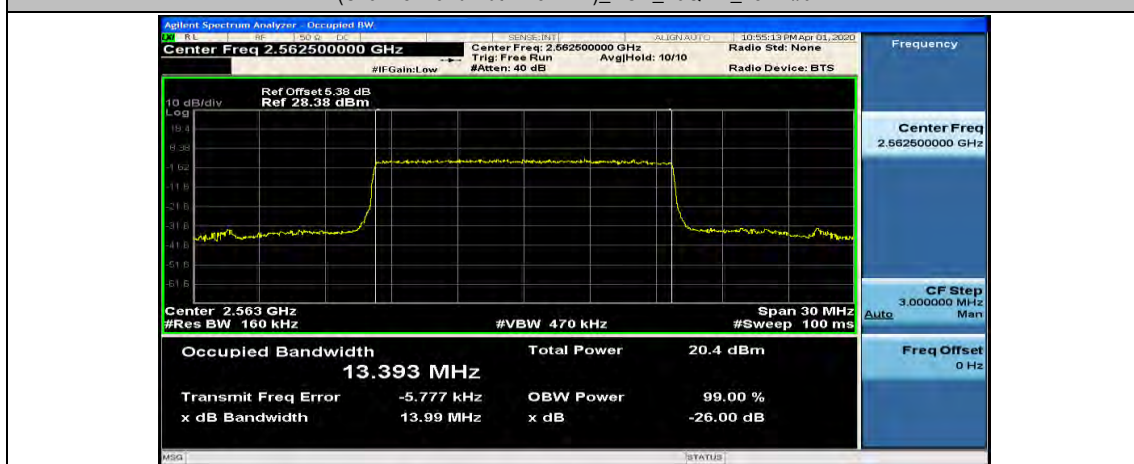
(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth: 15 MHz)_MCH_16QAM_75RB#0



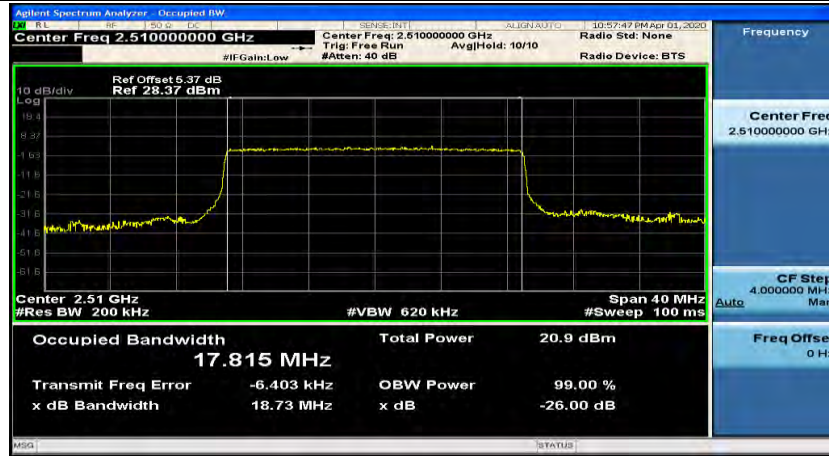
(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0



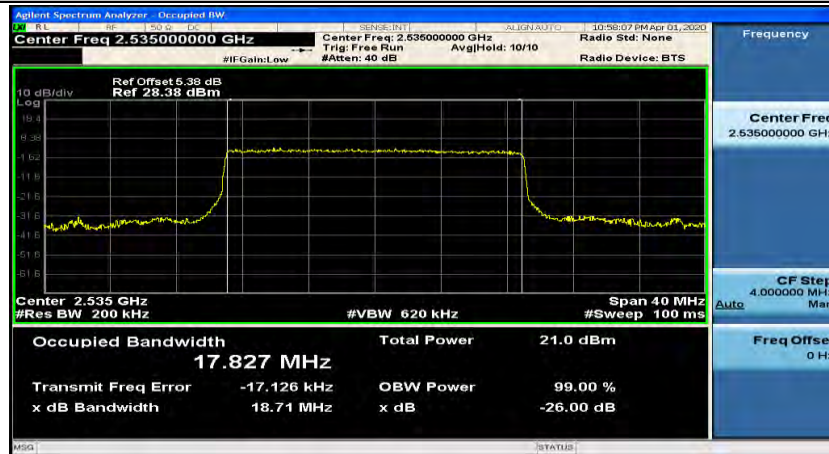


Channel Bandwidth: 20 MHz

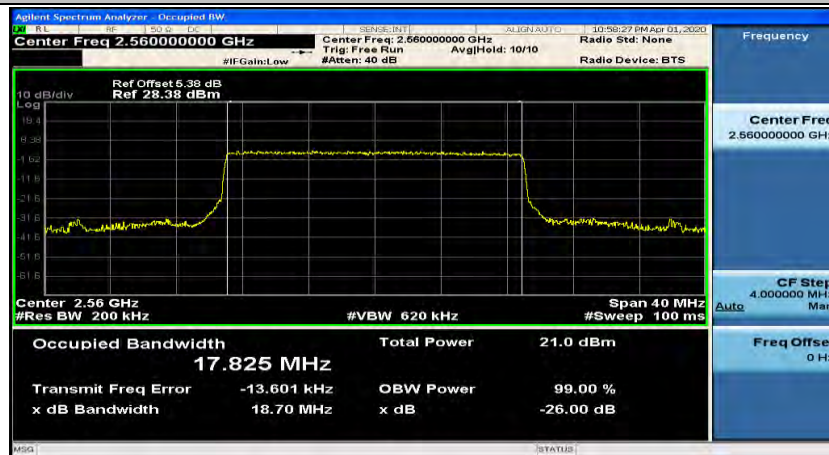
(Channel Bandwidth: 20 MHz)_LCH_QPSK_100RB#0



(Channel Bandwidth: 20 MHz)_MCH_QPSK_100RB#0

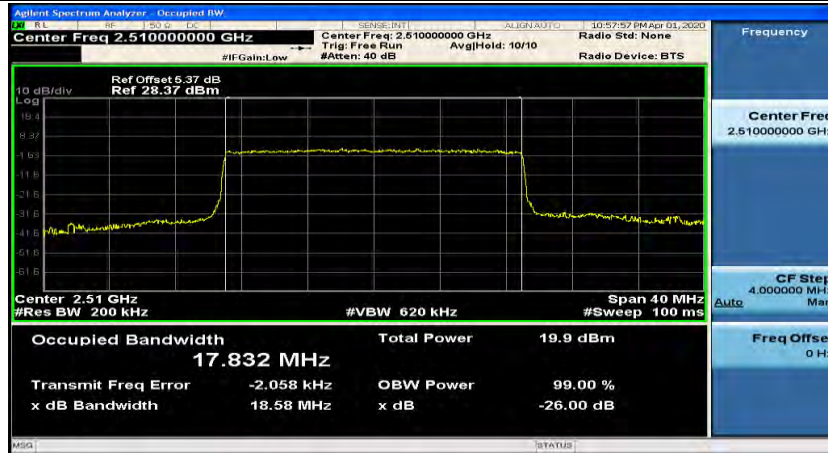


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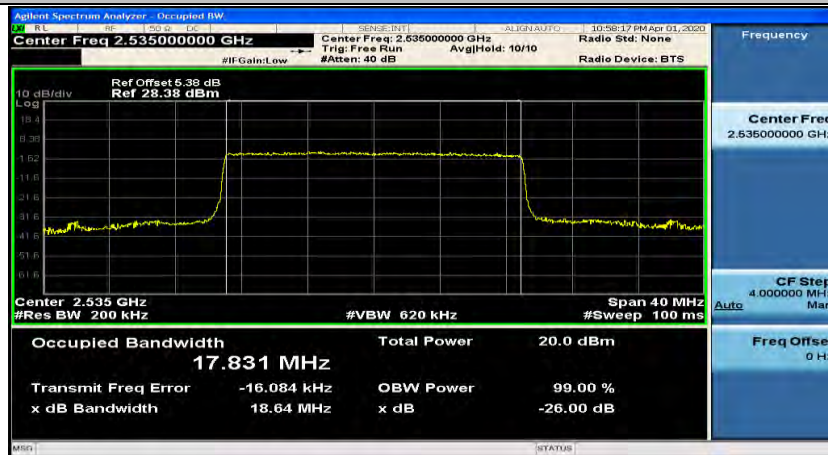




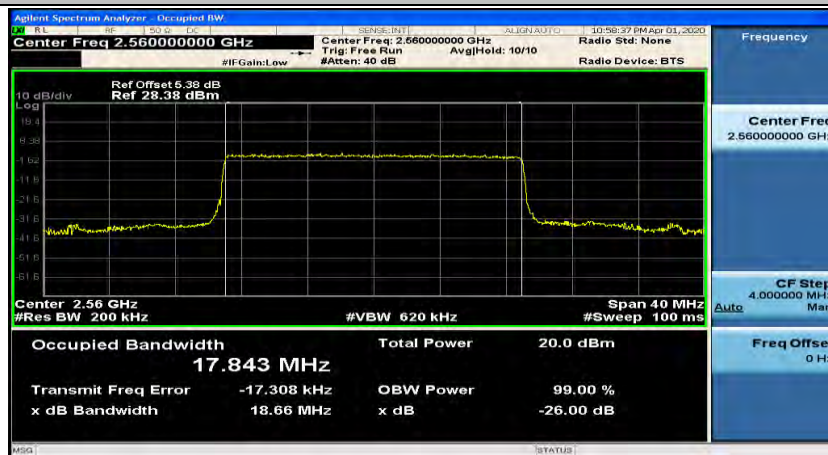
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(Channel Bandwidth: 20 MHz)_MCH_16QAM_100RB#0



(Channel Bandwidth: 20 MHz)_HCH_16QAM_100RB#0

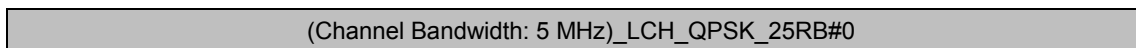
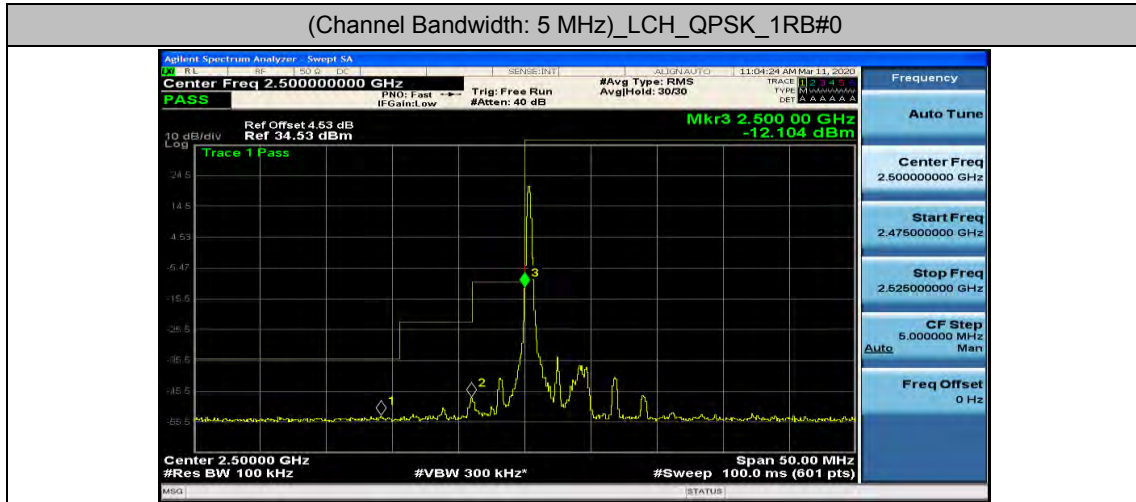




Appendix D: Band Edge

Test Graphs

Channel Bandwidth: 5 MHz

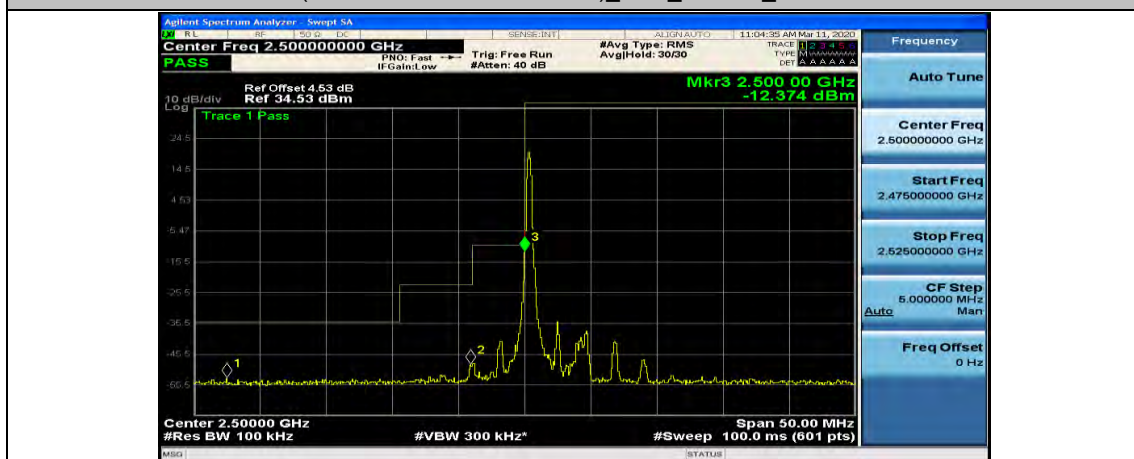




(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



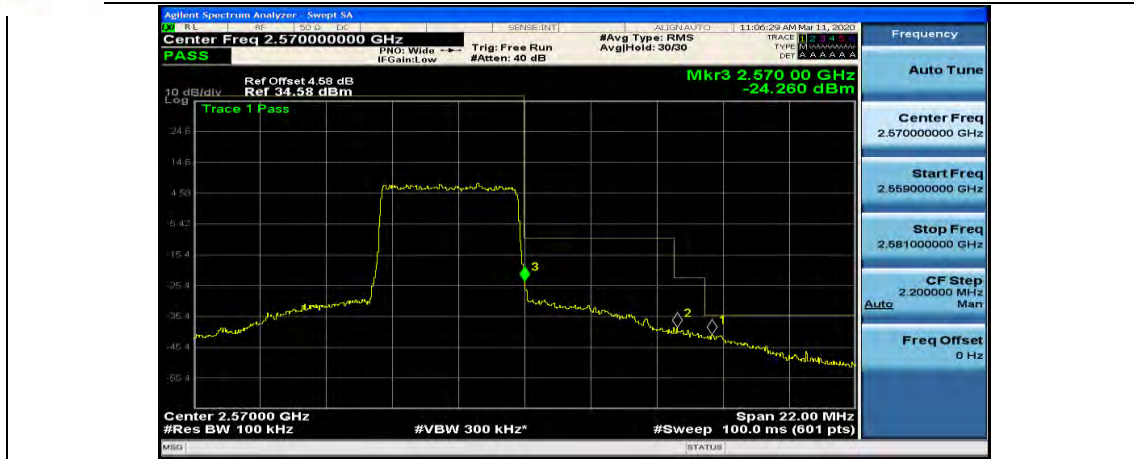
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



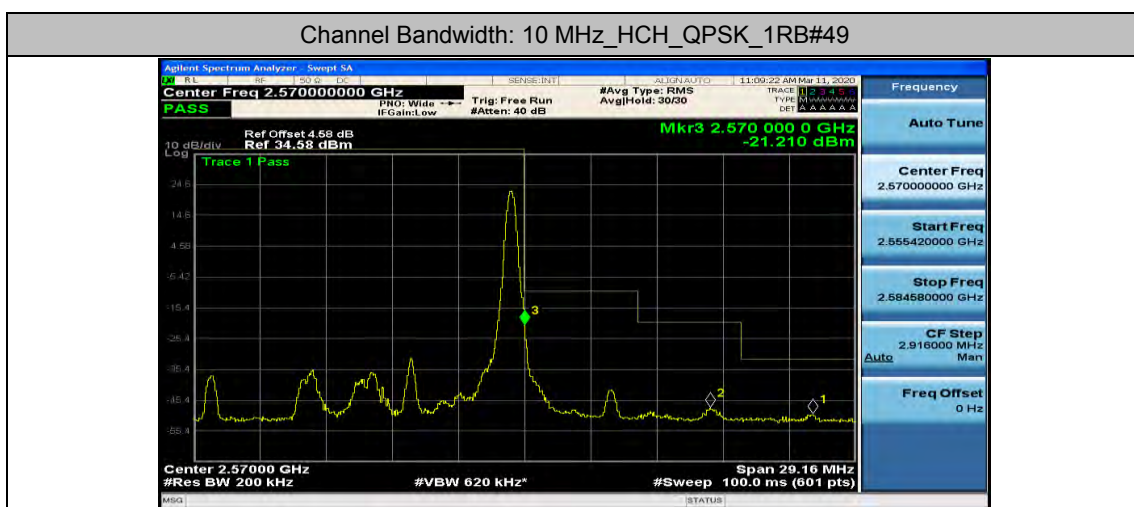
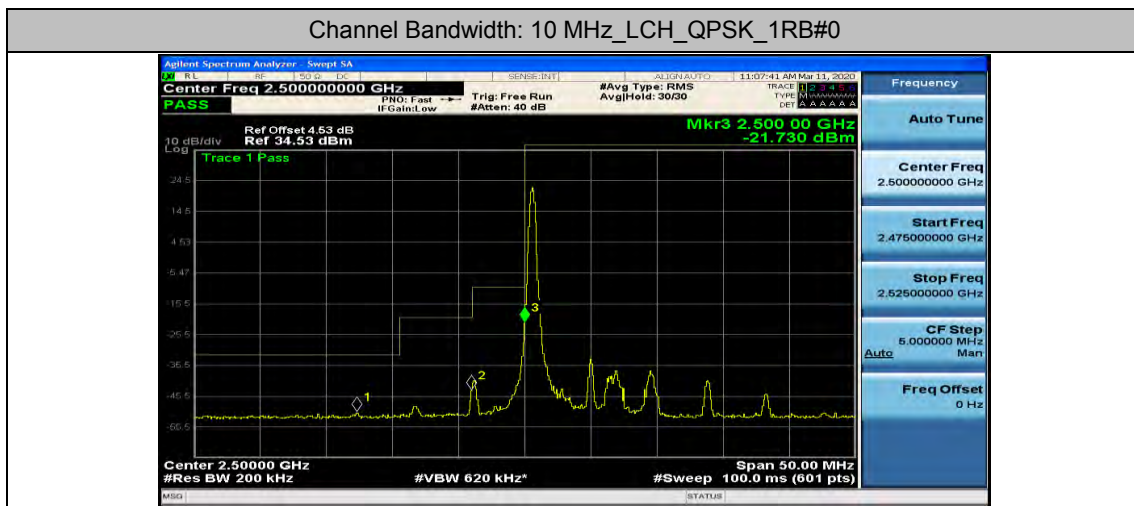
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz





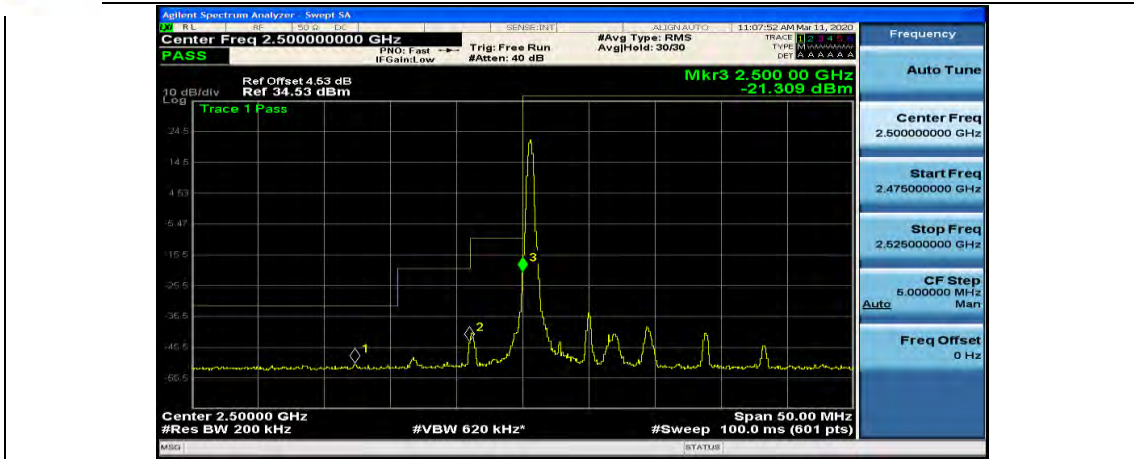
(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0



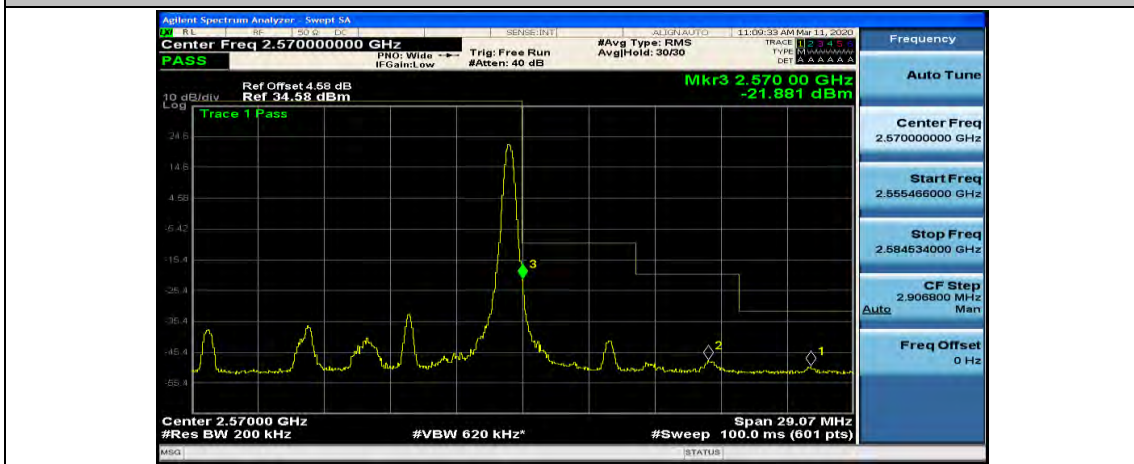
(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



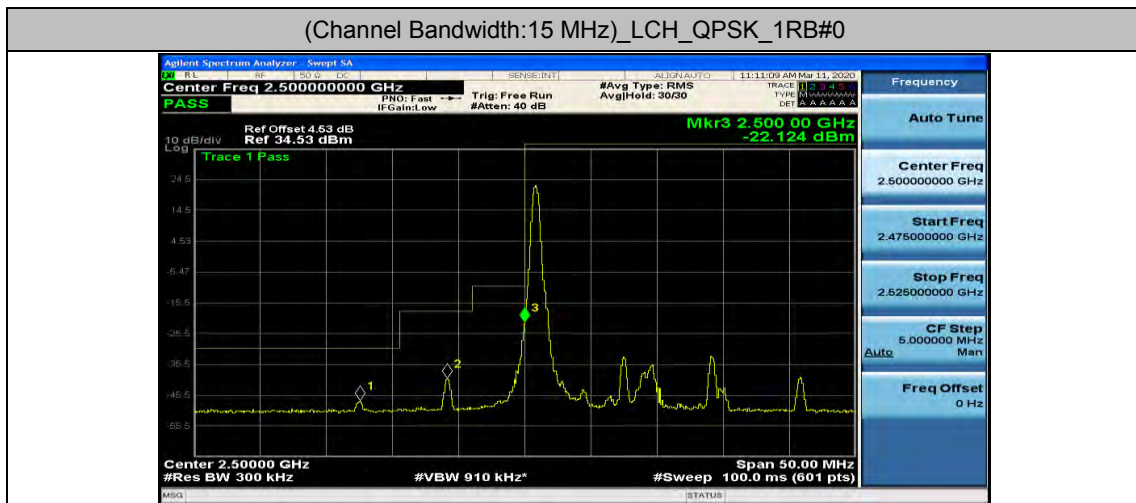


(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0

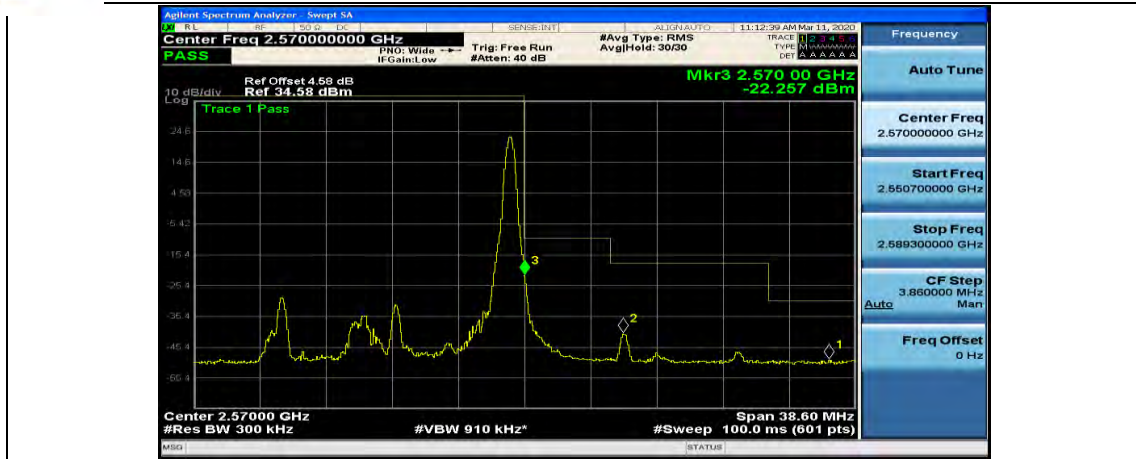


Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



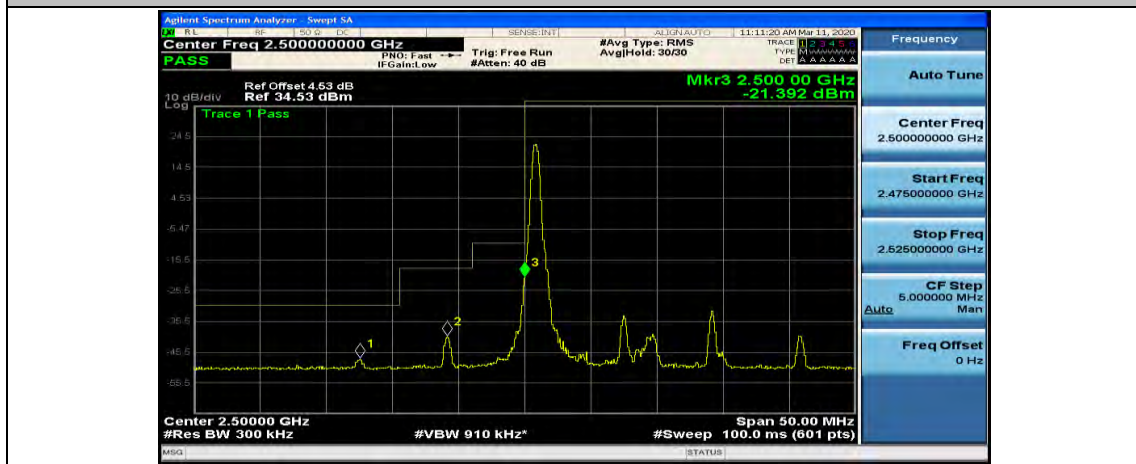
(Channel Bandwidth: 15 MHz)_LCH_QPSK_75RB#0



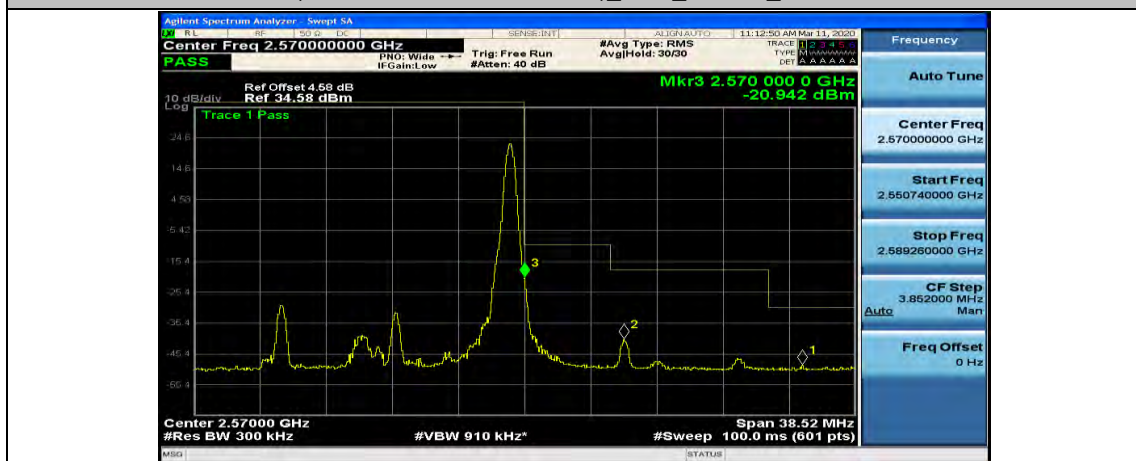
(Channel Bandwidth: 15 MHz)_HCH_QPSK_75RB#0

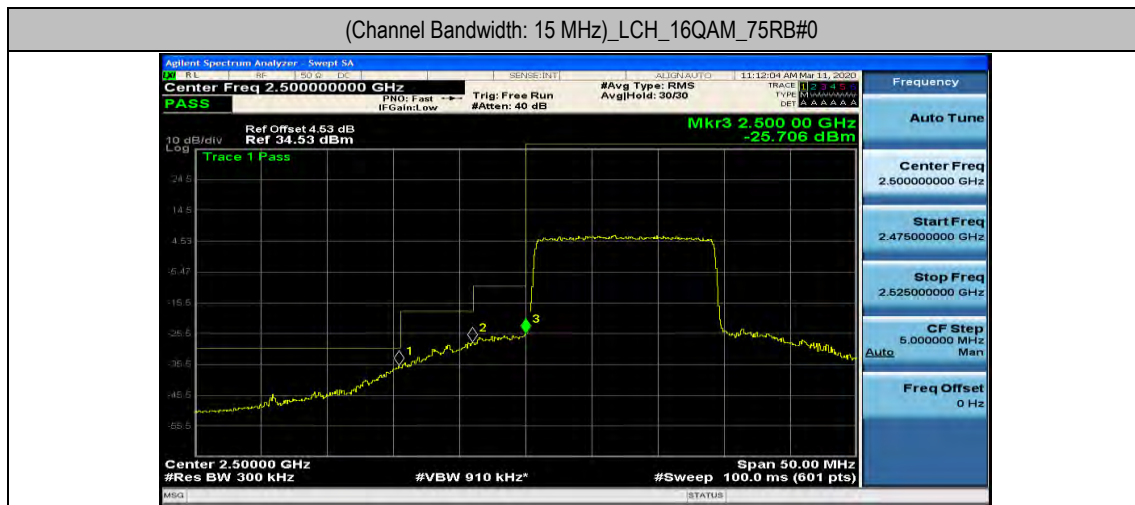


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

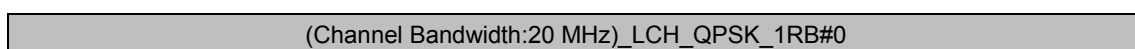


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



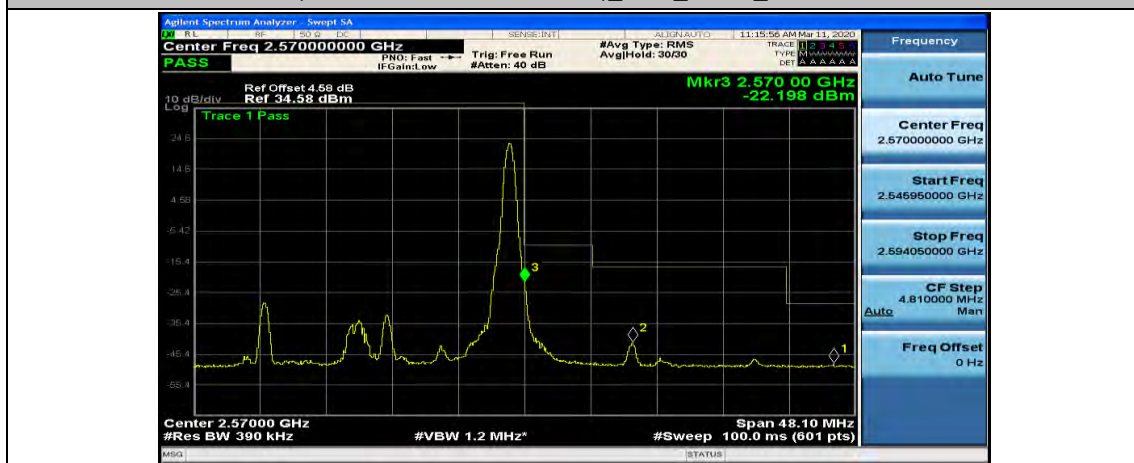


Channel Bandwidth: 20 MHz





(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99



(Channel Bandwidth: 20 MHz)_LCH_QPSK_100RB#0

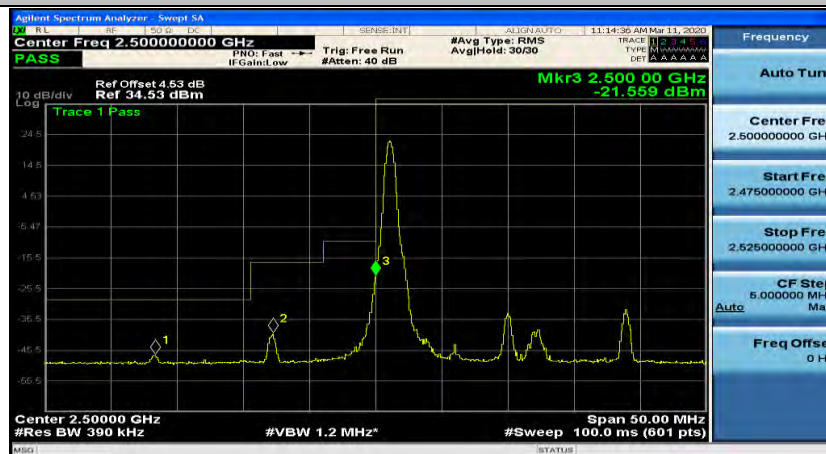




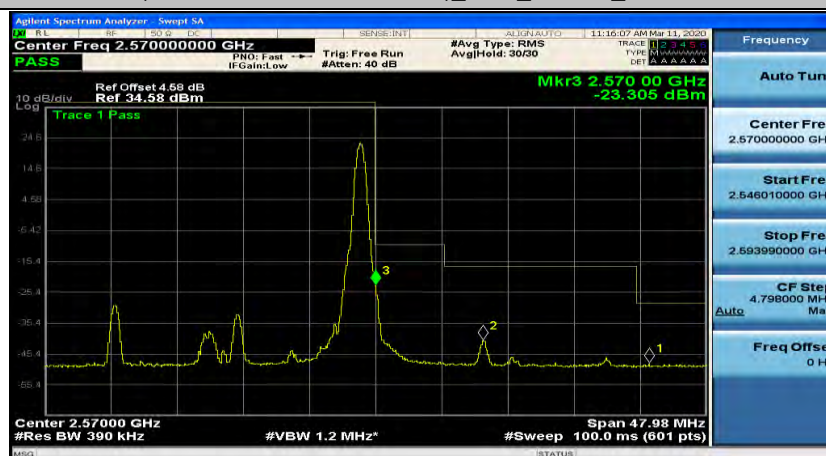
(Channel Bandwidth: 20 MHz)_HCH_QPSK_100RB#0



(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



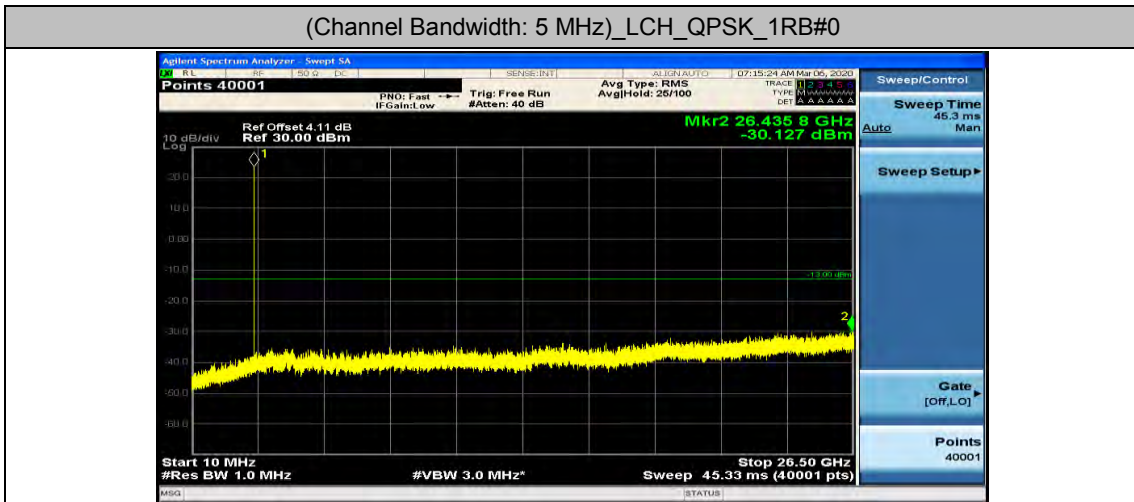


Appendix E: Conducted Spurious Emission

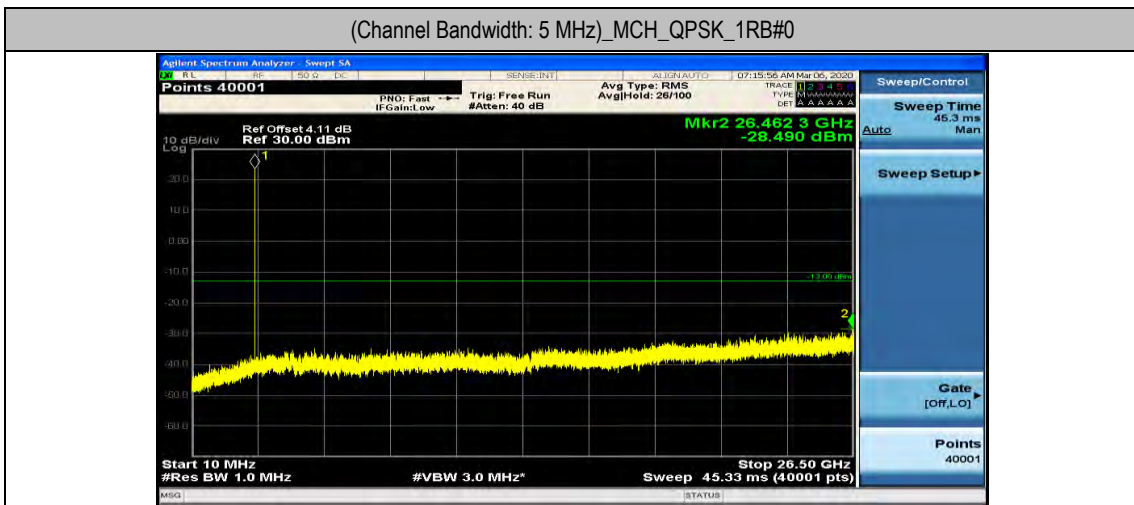
Test Graphs

Channel Bandwidth: 5 MHz

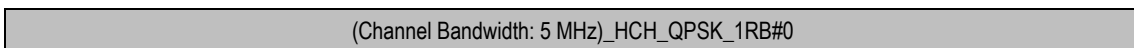
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

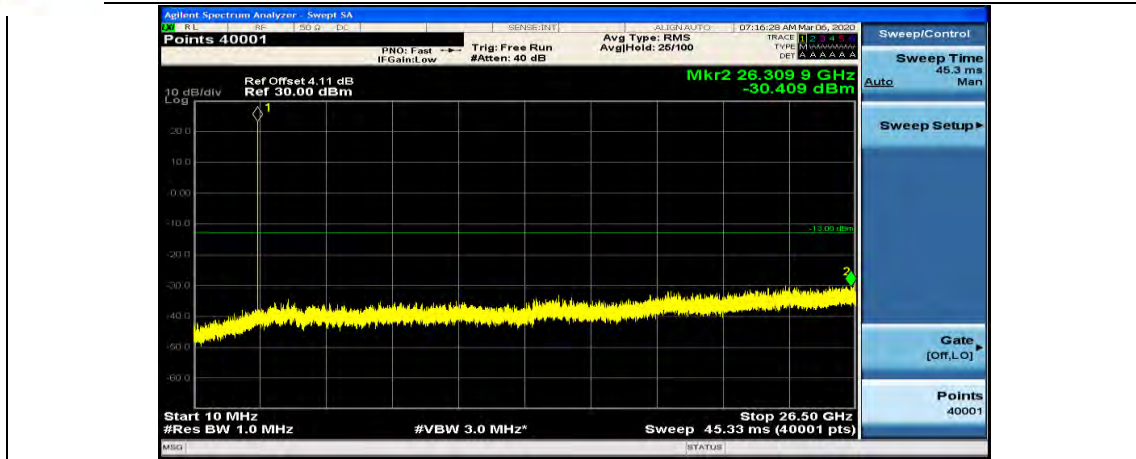


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



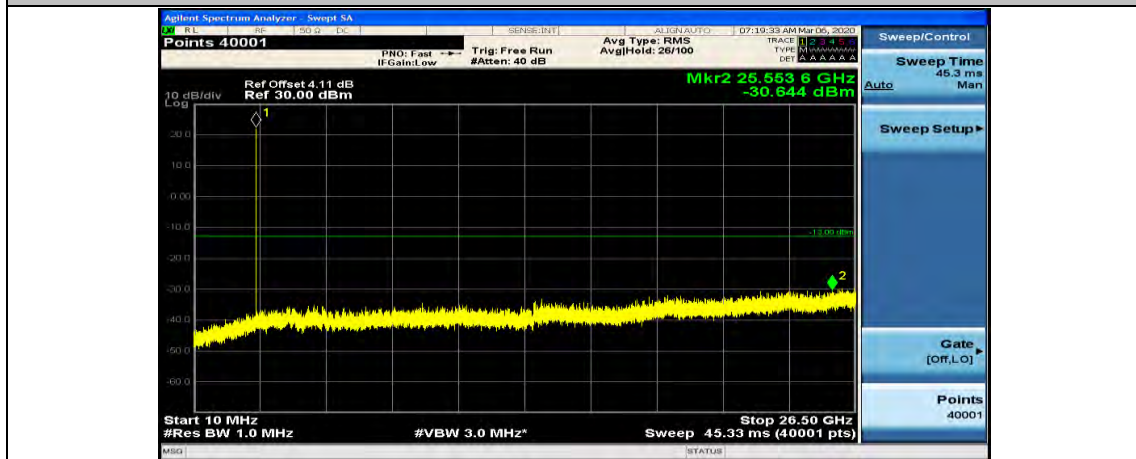
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



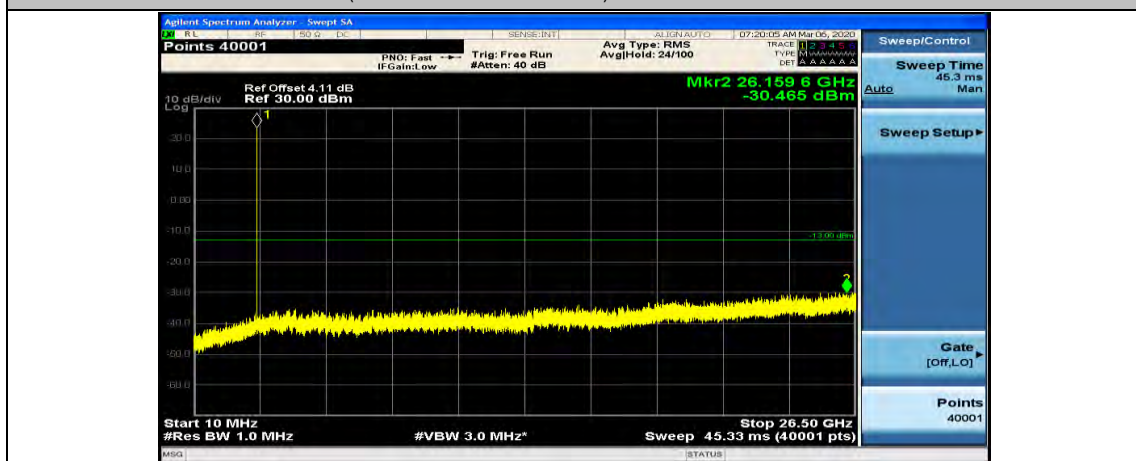


Channel Bandwidth: 10 MHz

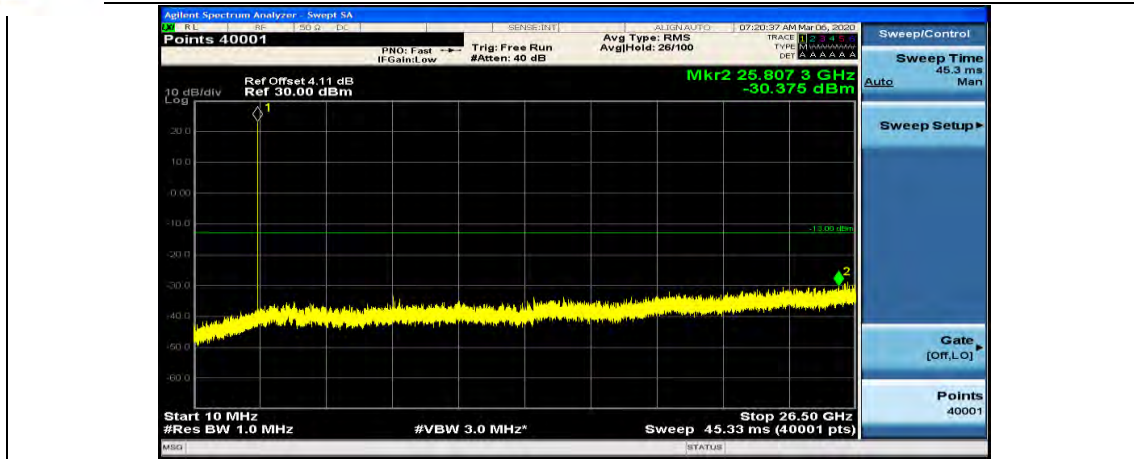
(Channel Bandwidth: 10 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 10 MHz)_MCH_QPSK_1RB#0

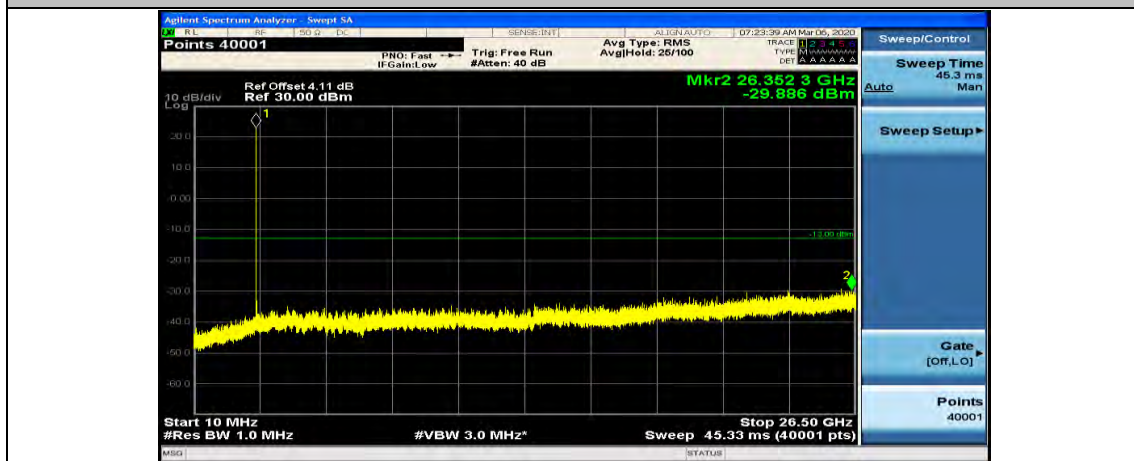


(Channel Bandwidth: 10 MHz)_HCH_QPSK_1RB#0

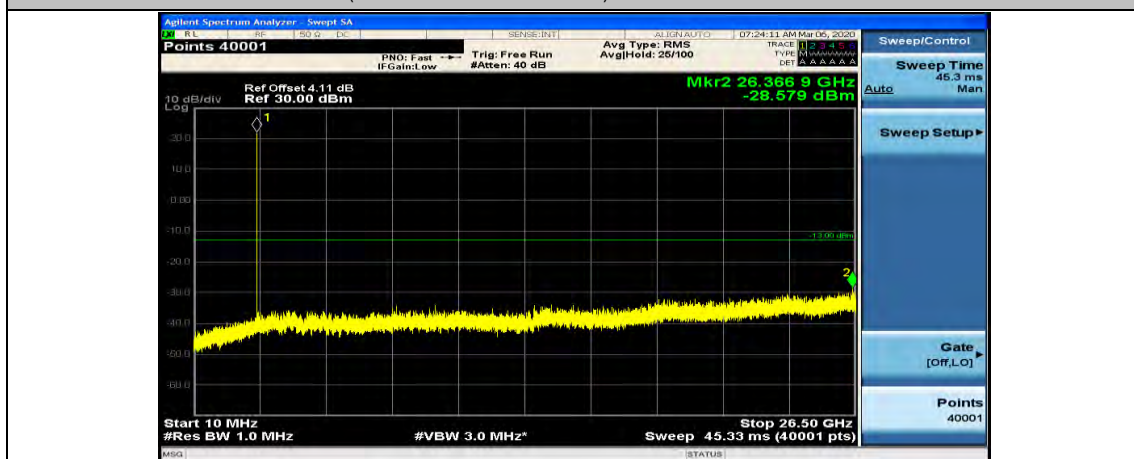


Channel Bandwidth: 15 MHz

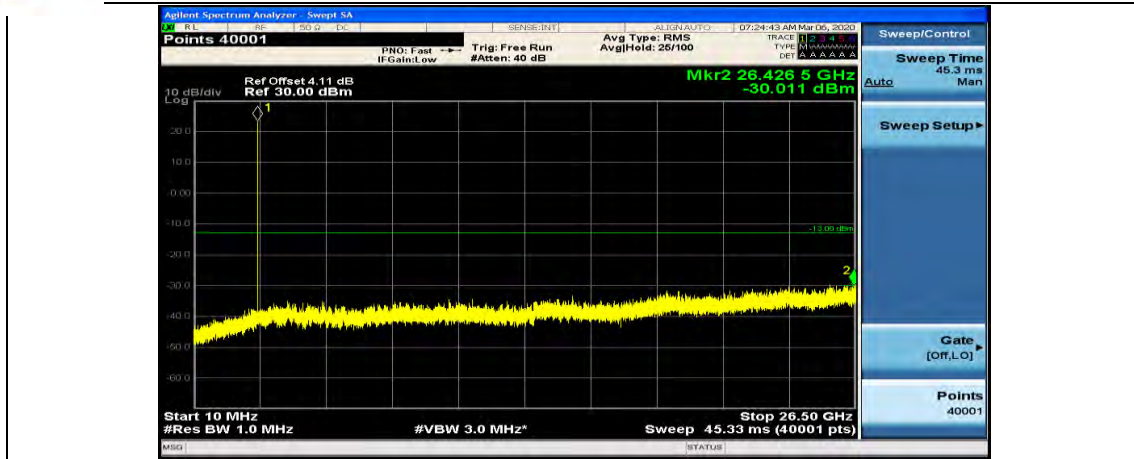
(Channel Bandwidth: 15 MHz)_LCH_QPSK_1RB#0



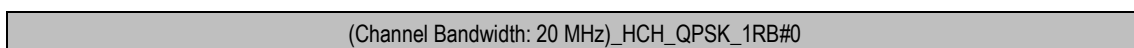
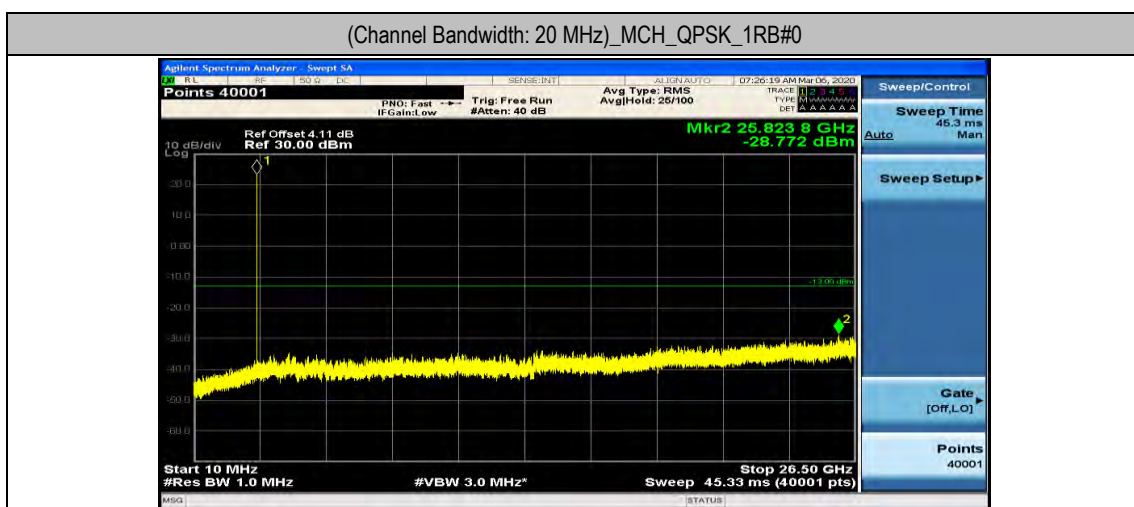
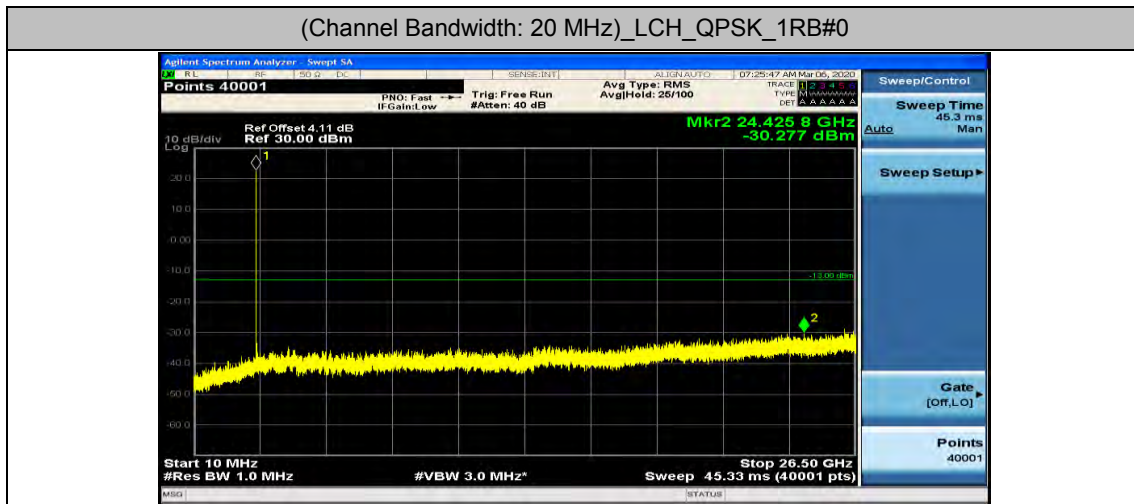
(Channel Bandwidth: 15 MHz)_MCH_QPSK_1RB#0

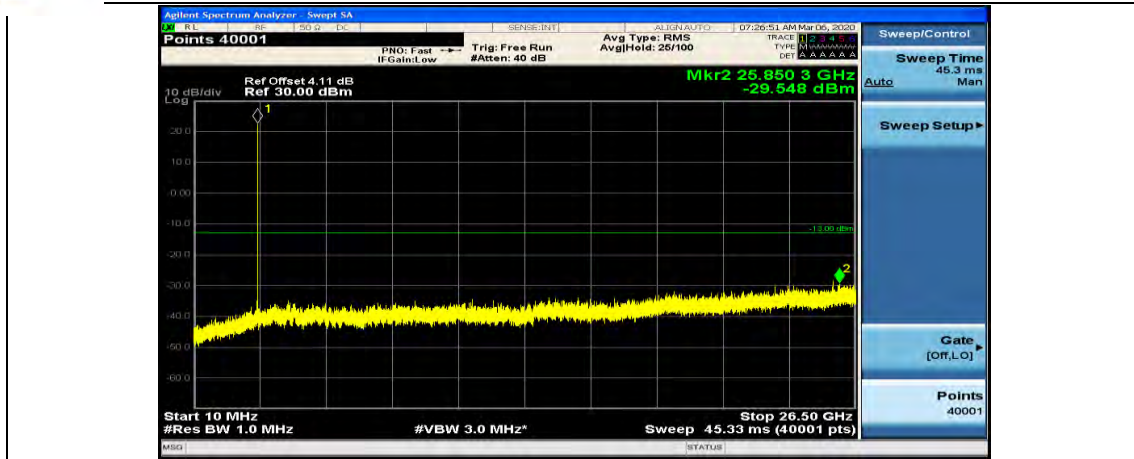


(Channel Bandwidth: 15 MHz)_HCH_QPSK_1RB#0



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	-3.70	-0.001479	± 2.5	PASS
		VN	TN	0.50	0.000200	± 2.5	PASS
		VH	TN	-0.50	-0.000200	± 2.5	PASS
	MCH	VL	TN	-2.00	-0.000789	± 2.5	PASS
		VN	TN	-2.50	-0.000986	± 2.5	PASS
		VH	TN	2.70	0.001065	± 2.5	PASS
	HCH	VL	TN	-10.80	-0.004206	± 2.5	PASS
		VN	TN	-9.30	-0.003622	± 2.5	PASS
		VH	TN	-8.60	-0.003350	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-6.40	-0.002557	± 2.5	PASS
		VN	-20	0.30	0.000120	± 2.5	PASS
		VN	-10	-11.10	-0.004436	± 2.5	PASS
		VN	0	-4.30	-0.001718	± 2.5	PASS
		VN	10	-3.30	-0.001319	± 2.5	PASS
		VN	20	-9.40	-0.003756	± 2.5	PASS
		VN	30	-5.90	-0.002358	± 2.5	PASS
		VN	40	-0.30	-0.000120	± 2.5	PASS
		VN	50	-8.20	-0.003277	± 2.5	PASS
	MCH	VN	-30	-3.60	-0.001420	± 2.5	PASS
		VN	-20	3.50	0.001381	± 2.5	PASS
		VN	-10	-4.80	-0.001893	± 2.5	PASS
		VN	0	-7.60	-0.002998	± 2.5	PASS

		VN	10	-9.30	-0.003669	± 2.5	PASS
		VN	20	6.20	0.002446	± 2.5	PASS
		VN	30	2.30	0.000907	± 2.5	PASS
		VN	40	-6.00	-0.002367	± 2.5	PASS
		VN	50	-4.90	-0.001933	± 2.5	PASS
	HCH	VN	-30	-1.00	-0.000389	± 2.5	PASS
		VN	-20	-9.30	-0.003622	± 2.5	PASS
		VN	-10	-8.80	-0.003427	± 2.5	PASS
		VN	0	-4.60	-0.001792	± 2.5	PASS
		VN	10	2.30	0.000896	± 2.5	PASS
		VN	20	-9.20	-0.003583	± 2.5	PASS
		VN	30	-6.40	-0.002493	± 2.5	PASS
		VN	40	-1.40	-0.000545	± 2.5	PASS
		VN	50	-1.20	-0.000467	± 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	-7.70	-0.003074	± 2.5	PASS
		VN	TN	-5.40	-0.002156	± 2.5	PASS
		VH	TN	4.50	0.001796	± 2.5	PASS
	MCH	VL	TN	-6.90	-0.002722	± 2.5	PASS
		VN	TN	2.00	0.000789	± 2.5	PASS
		VH	TN	-0.30	-0.000118	± 2.5	PASS
	HCH	VL	TN	4.80	0.001871	± 2.5	PASS
		VN	TN	-6.00	-0.002339	± 2.5	PASS
		VH	TN	-2.80	-0.001092	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.20	0.000080	± 2.5	PASS
		VN	-20	1.60	0.000639	± 2.5	PASS
		VN	-10	-5.40	-0.002156	± 2.5	PASS
		VN	0	-6.00	-0.002395	± 2.5	PASS
		VN	10	2.90	0.001158	± 2.5	PASS
		VN	20	5.40	0.002156	± 2.5	PASS
		VN	30	-8.00	-0.003194	± 2.5	PASS
		VN	40	-3.10	-0.001238	± 2.5	PASS
	MCH	VN	50	0.70	0.000279	± 2.5	PASS
		VN	-30	5.10	0.002012	± 2.5	PASS
		VN	-20	7.10	0.002801	± 2.5	PASS
		VN	-10	-1.50	-0.000592	± 2.5	PASS
		VN	0	-2.10	-0.000828	± 2.5	PASS
		VN	10	2.70	0.001065	± 2.5	PASS
	VN	20	3.00	0.001183	± 2.5	PASS	
	VN	30	-1.90	-0.000750	± 2.5	PASS	

		VN	40	-2.20	-0.000868	± 2.5	PASS
		VN	50	-6.10	-0.002406	± 2.5	PASS
	HCH	VN	-30	-3.90	-0.001520	± 2.5	PASS
		VN	-20	1.50	0.000585	± 2.5	PASS
		VN	-10	-2.80	-0.001092	± 2.5	PASS
		VN	0	-1.90	-0.000741	± 2.5	PASS
		VN	10	5.70	0.002222	± 2.5	PASS
		VN	20	5.40	0.002105	± 2.5	PASS
		VN	30	6.10	0.002378	± 2.5	PASS
		VN	40	-5.10	-0.001988	± 2.5	PASS
		VN	50	-9.30	-0.003626	± 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	3.50	0.001396	± 2.5	PASS
		VN	TN	8.30	0.003310	± 2.5	PASS
		VH	TN	2.50	0.000997	± 2.5	PASS
	MCH	VL	TN	-5.30	-0.002091	± 2.5	PASS
		VN	TN	-4.80	-0.001893	± 2.5	PASS
		VH	TN	-1.80	-0.000710	± 2.5	PASS
	HCH	VL	TN	0.90	0.000351	± 2.5	PASS
		VN	TN	-0.70	-0.000273	± 2.5	PASS
		VH	TN	0.00	0.000000	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	13.40	0.005344	± 2.5	PASS
		VN	-20	16.10	0.006421	± 2.5	PASS
		VN	-10	3.60	0.001436	± 2.5	PASS
		VN	0	4.90	0.001954	± 2.5	PASS
		VN	10	8.60	0.003430	± 2.5	PASS
		VN	20	11.10	0.004427	± 2.5	PASS
		VN	30	-1.00	-0.000399	± 2.5	PASS
		VN	40	13.60	0.005424	± 2.5	PASS
		VN	50	14.20	0.005663	± 2.5	PASS
	MCH	VN	-30	0.20	0.000079	± 2.5	PASS
		VN	-20	-2.10	-0.000828	± 2.5	PASS
		VN	-10	10.20	0.004024	± 2.5	PASS
		VN	0	3.00	0.001183	± 2.5	PASS
		VN	10	2.60	0.001026	± 2.5	PASS
		VN	20	5.80	0.002288	± 2.5	PASS
		VN	30	-0.80	-0.000316	± 2.5	PASS
		VN	40	-2.50	-0.000986	± 2.5	PASS
	VN	50	6.90	0.002722	± 2.5	PASS	
	HCH	VN	-30	-0.10	-0.000039	± 2.5	PASS

		VN	-20	-13.90	-0.005424	± 2.5	PASS
		VN	-10	-6.00	-0.002341	± 2.5	PASS
		VN	0	-0.40	-0.000156	± 2.5	PASS
		VN	10	-11.00	-0.004293	± 2.5	PASS
		VN	20	1.80	0.000702	± 2.5	PASS
		VN	30	-13.10	-0.005112	± 2.5	PASS
		VN	40	-7.20	-0.002810	± 2.5	PASS
		VN	50	-0.50	-0.000195	± 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	-1.10	-0.000438	± 2.5	PASS
		VN	TN	8.90	0.003546	± 2.5	PASS
		VH	TN	0.70	0.000279	± 2.5	PASS
	MCH	VL	TN	-0.40	-0.000158	± 2.5	PASS
		VN	TN	12.10	0.004773	± 2.5	PASS
		VH	TN	-6.00	-0.002367	± 2.5	PASS
	HCH	VL	TN	13.90	0.005430	± 2.5	PASS
		VN	TN	1.00	0.000391	± 2.5	PASS
		VH	TN	3.50	0.001367	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	8.50	0.003386	± 2.5	PASS
		VN	-20	-5.10	-0.002032	± 2.5	PASS
		VN	-10	6.80	0.002709	± 2.5	PASS
		VN	0	-7.80	-0.003108	± 2.5	PASS
		VN	10	-7.60	-0.003028	± 2.5	PASS
		VN	20	-3.10	-0.001235	± 2.5	PASS
		VN	30	3.30	0.001315	± 2.5	PASS
		VN	40	-7.60	-0.003028	± 2.5	PASS
		VN	50	4.30	0.001713	± 2.5	PASS
	MCH	VN	-30	4.80	0.001893	± 2.5	PASS
		VN	-20	-1.10	-0.000434	± 2.5	PASS
		VN	-10	-9.20	-0.003629	± 2.5	PASS
		VN	0	8.10	0.003195	± 2.5	PASS
		VN	10	1.60	0.000631	± 2.5	PASS
		VN	20	-5.90	-0.002327	± 2.5	PASS
		VN	30	-2.60	-0.001026	± 2.5	PASS
		VN	40	-0.60	-0.000237	± 2.5	PASS
		VN	50	-2.80	-0.001105	± 2.5	PASS
	HCH	VN	-30	6.40	0.002500	± 2.5	PASS
		VN	-20	6.50	0.002539	± 2.5	PASS
		VN	-10	13.80	0.005391	± 2.5	PASS
		VN	0	-1.50	-0.000586	± 2.5	PASS



		VN	10	0.50	0.000195	± 2.5	PASS
		VN	20	-0.40	-0.000156	± 2.5	PASS
		VN	30	2.20	0.000859	± 2.5	PASS
		VN	40	-3.30	-0.001289	± 2.5	PASS
		VN	50	4.50	0.001758	± 2.5	PASS