

Appendix H: Test Data for E-UTRA Band 5

Product Name: Tablet PC

Trade Mark: 

Test Model: DT1052

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

H.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.43	21.90	PASS
		1	3	23.04	22.12	PASS
		1	5	22.67	21.87	PASS
		3	0	22.63	21.45	PASS
		3	2	22.54	21.52	PASS
		3	3	22.43	21.44	PASS
		6	0	21.53	20.68	PASS
	MCH	1	0	22.45	21.20	PASS
		1	3	22.20	21.31	PASS
		1	5	22.29	21.14	PASS
		3	0	22.60	21.22	PASS
		3	2	22.56	21.21	PASS
		3	3	22.65	21.33	PASS
		6	0	21.57	20.72	PASS
	HCH	1	0	22.43	22.09	PASS
		1	3	22.13	21.48	PASS
		1	5	22.33	21.50	PASS
		3	0	22.18	21.42	PASS
		3	2	22.11	21.37	PASS
		3	3	22.03	21.23	PASS
		6	0	21.30	20.33	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.46	21.71	PASS
		1	7	22.39	21.82	PASS
		1	14	22.50	21.57	PASS
		8	0	21.48	20.44	PASS
		8	4	21.48	20.56	PASS
		8	7	21.38	20.54	PASS
		15	0	21.52	20.54	PASS
	MCH	1	0	22.45	21.78	PASS
		1	7	22.76	21.96	PASS
		1	14	22.81	22.15	PASS
		8	0	21.56	20.45	PASS
		8	4	21.68	20.75	PASS
		8	7	21.58	20.79	PASS
		15	0	21.64	20.72	PASS
	HCH	1	0	22.82	21.53	PASS

		1	7	22.58	20.82	PASS
		1	14	22.20	21.39	PASS
		8	0	21.69	20.53	PASS
		8	4	21.47	20.34	PASS
		8	7	21.28	20.24	PASS
		15	0	21.57	20.51	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]		Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.66	21.11	PASS
		1	12	22.72	21.34	PASS
		1	24	22.47	21.13	PASS
		12	0	21.55	20.46	PASS
		12	6	21.54	20.52	PASS
		12	13	21.54	20.50	PASS
		25	0	21.59	20.65	PASS
	MCH	1	0	22.81	21.51	PASS
		1	12	22.97	21.67	PASS
		1	24	23.03	21.83	PASS
		12	0	21.62	20.51	PASS
		12	6	21.59	20.54	PASS
		12	13	21.80	20.88	PASS
		25	0	21.74	20.81	PASS
	HCH	1	0	23.08	21.61	PASS
		1	12	23.06	21.06	PASS
		1	24	22.32	21.03	PASS
		12	0	21.95	20.85	PASS
		12	6	21.85	20.73	PASS
		12	13	21.63	20.46	PASS
		25	0	21.75	20.62	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.67	21.96	PASS
		1	24	22.81	21.80	PASS
		1	49	22.51	21.88	PASS
		25	0	21.69	20.64	PASS
		25	12	21.57	20.48	PASS
		25	25	21.60	20.77	PASS
		50	0	21.65	20.73	PASS
	MCH	1	0	22.53	21.91	PASS
		1	24	22.55	22.22	PASS
		1	49	23.24	22.54	PASS
		25	0	21.71	20.72	PASS
		25	12	21.71	20.59	PASS
		25	25	21.89	21.02	PASS
		50	0	21.75	20.76	PASS
	HCH	1	0	23.26	22.74	PASS
		1	24	23.40	23.23	PASS
		1	49	22.65	21.91	PASS
		25	0	22.19	21.32	PASS
		25	12	22.07	20.98	PASS
		25	25	21.91	20.92	PASS
		50	0	22.04	21.12	PASS

H.2 Peak-to-Average Ratio

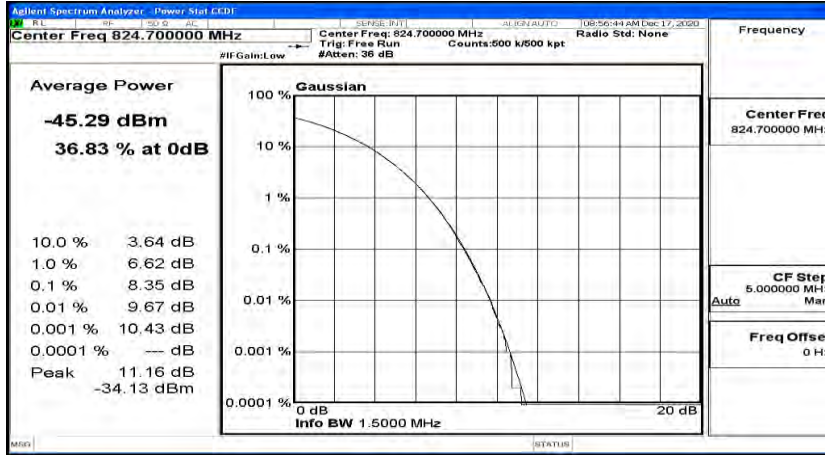
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	8.35	<13	PASS
	MCH	4.16	<13	PASS
	HCH	3.65	<13	PASS
16QAM	LCH	5.69	<13	PASS
	MCH	5.07	<13	PASS
	HCH	4.59	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.08	<13	PASS
	MCH	4.45	<13	PASS
	HCH	4.31	<13	PASS
16QAM	LCH	5.85	<13	PASS
	MCH	5.2	<13	PASS
	HCH	5.04	<13	PASS

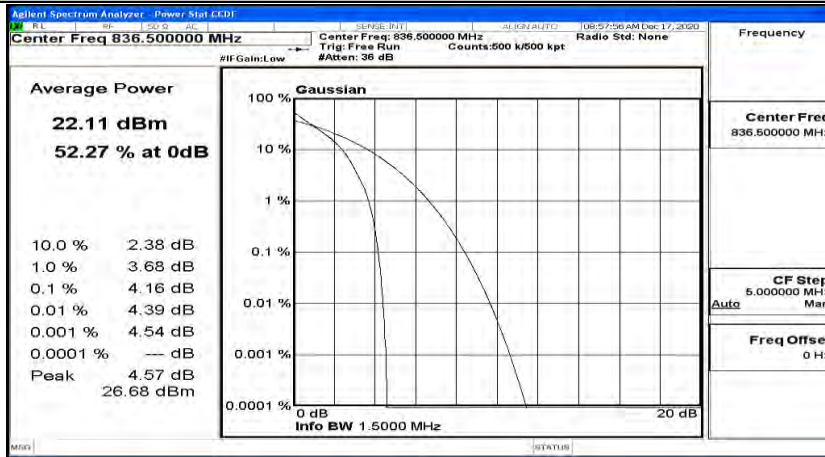
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.98	<13	PASS
	MCH	4.38	<13	PASS
	HCH	4.45	<13	PASS
16QAM	LCH	5.71	<13	PASS
	MCH	5.17	<13	PASS
	HCH	5.3	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.95	<13	PASS
	MCH	4.53	<13	PASS
	HCH	4.71	<13	PASS
16QAM	LCH	5.75	<13	PASS
	MCH	5.33	<13	PASS
	HCH	5.57	<13	PASS

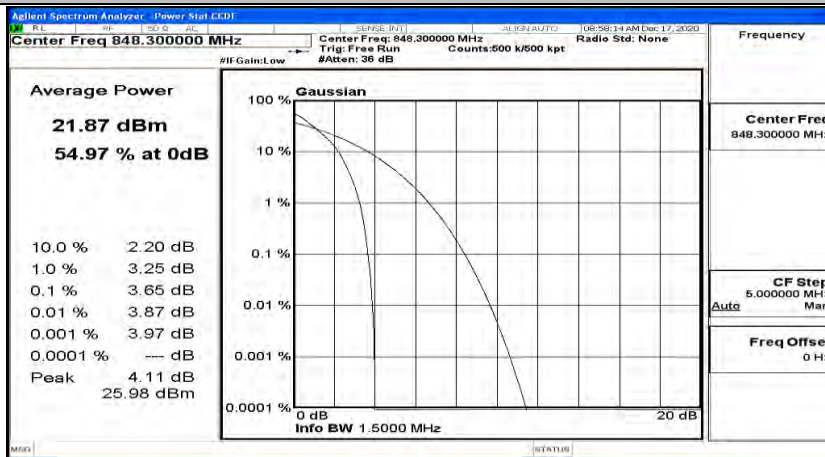
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



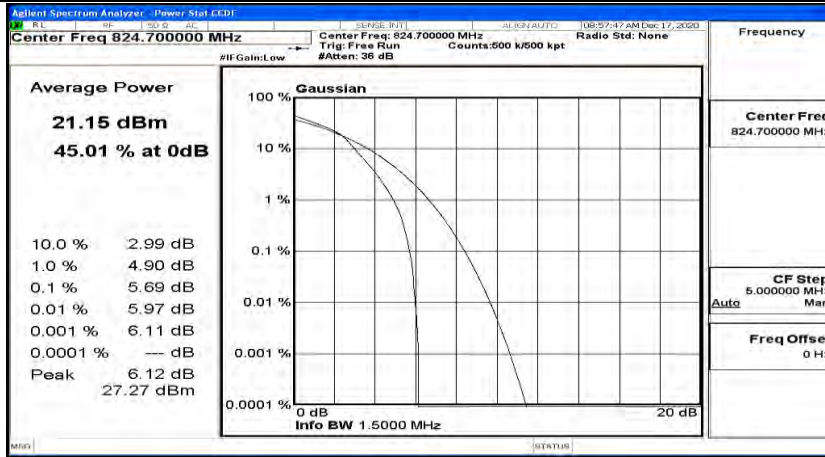
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



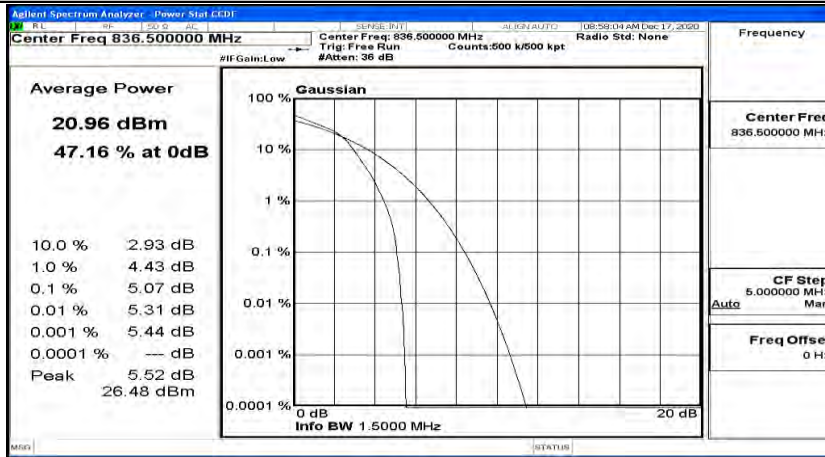
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



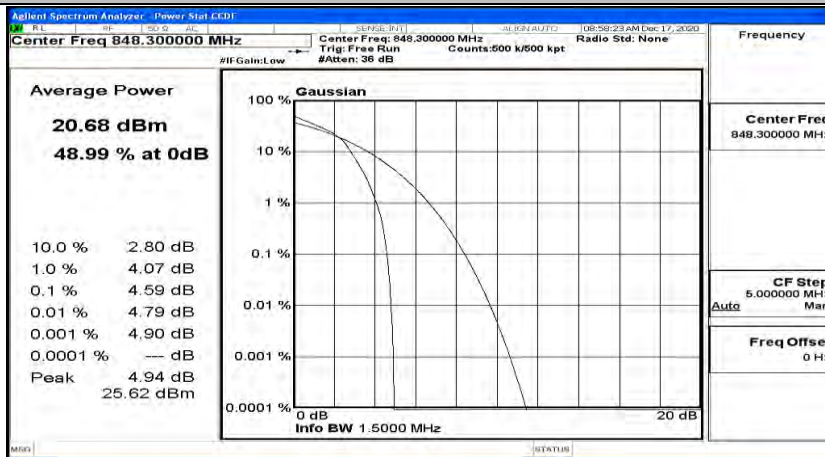
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



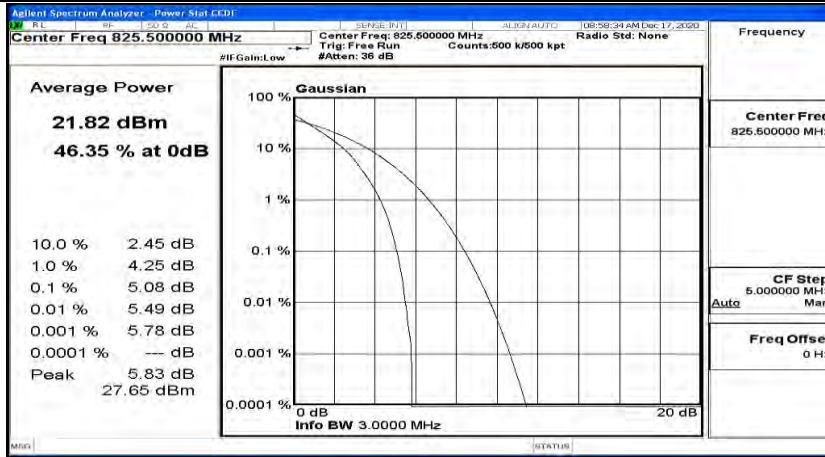
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



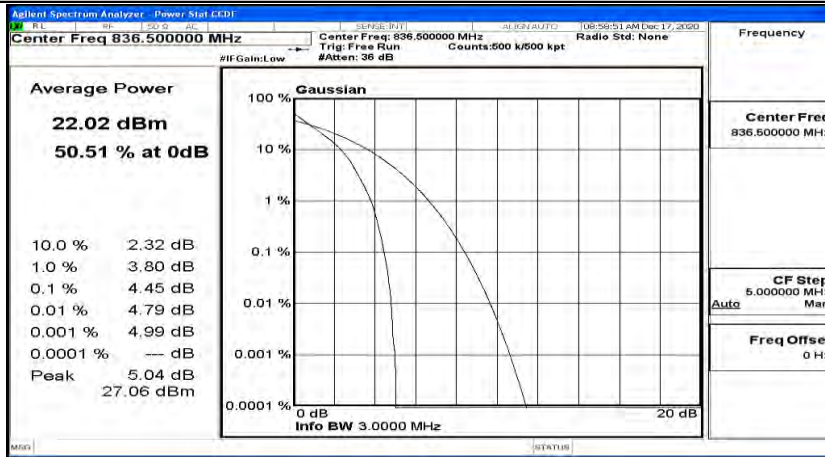
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



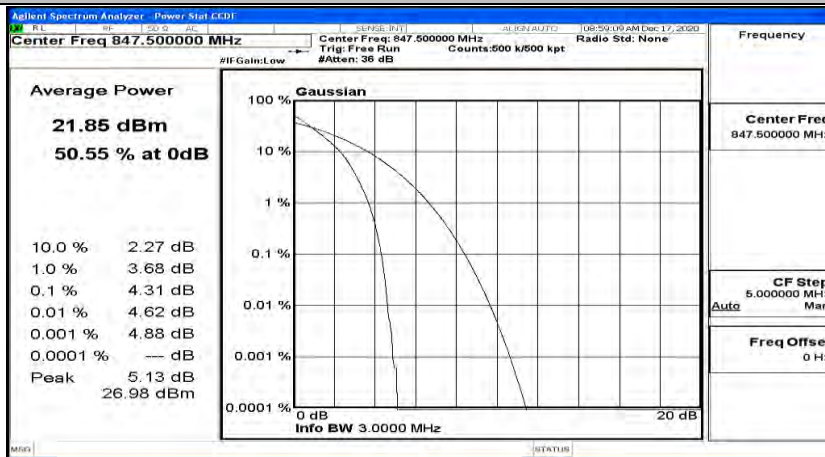
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



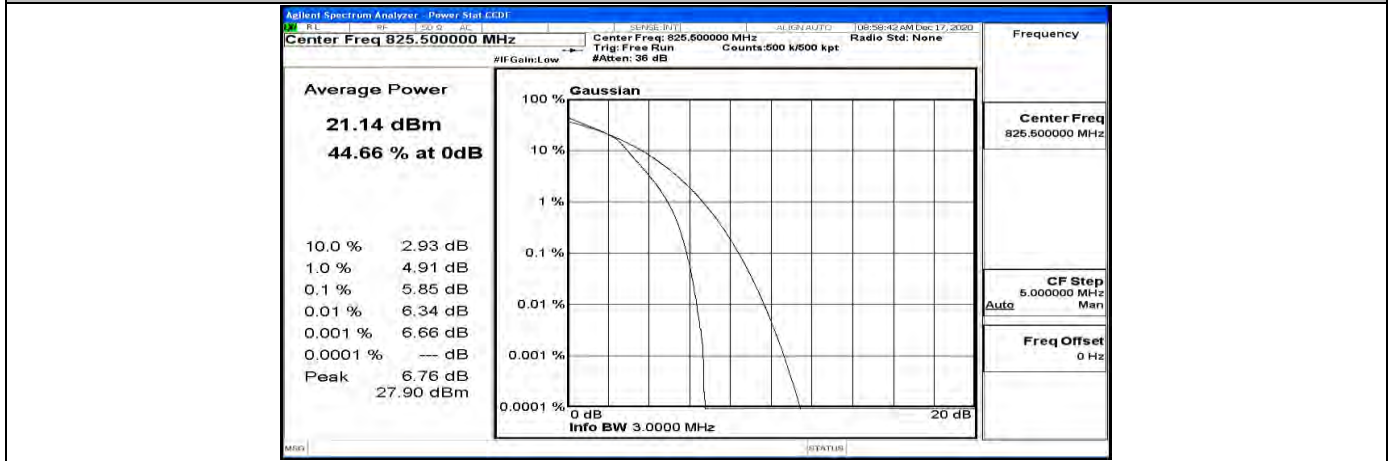
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



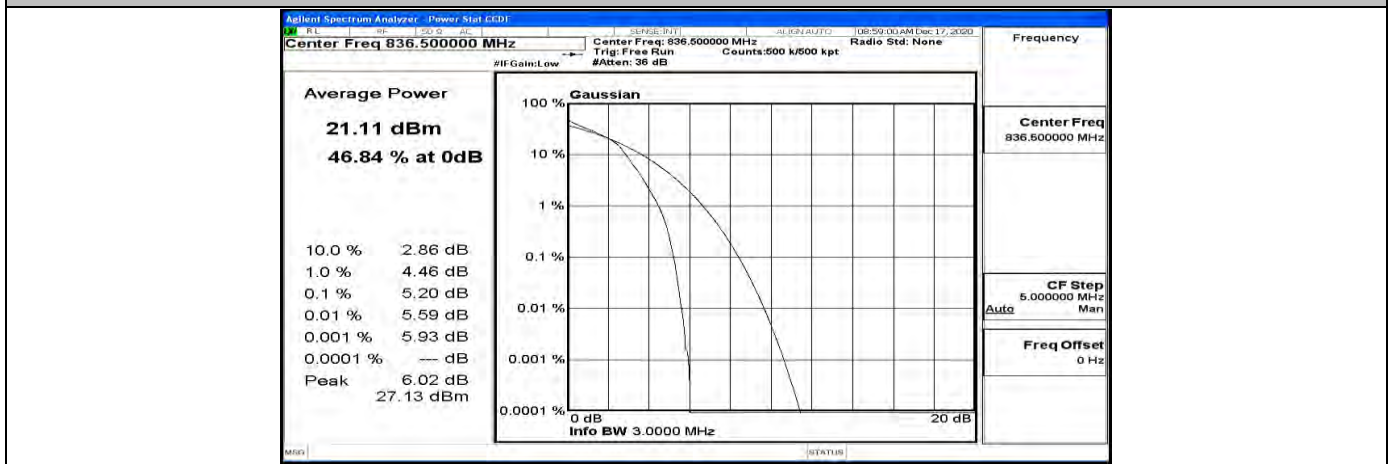
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



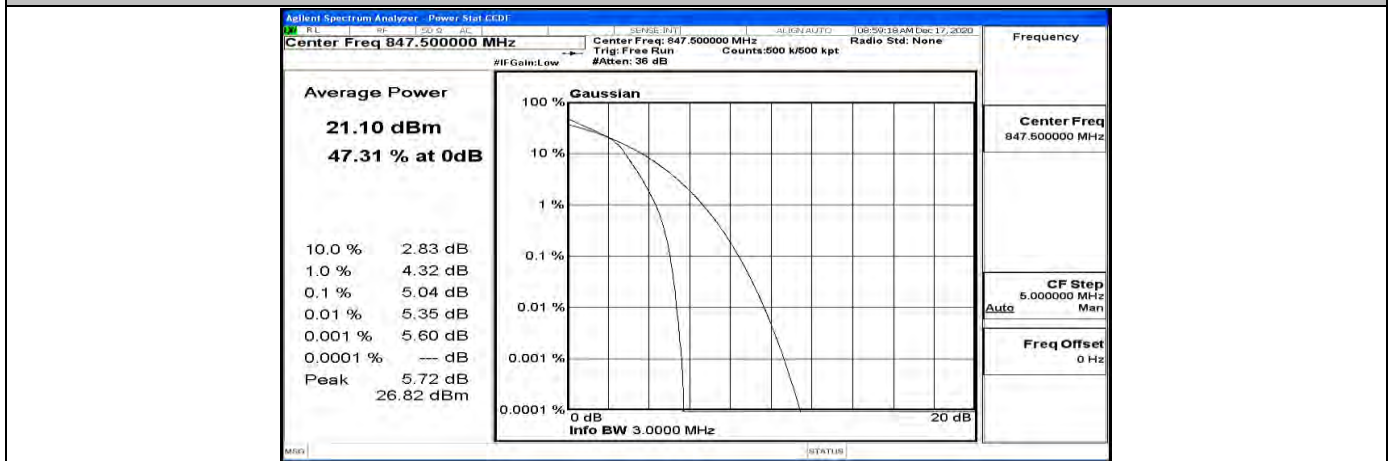
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



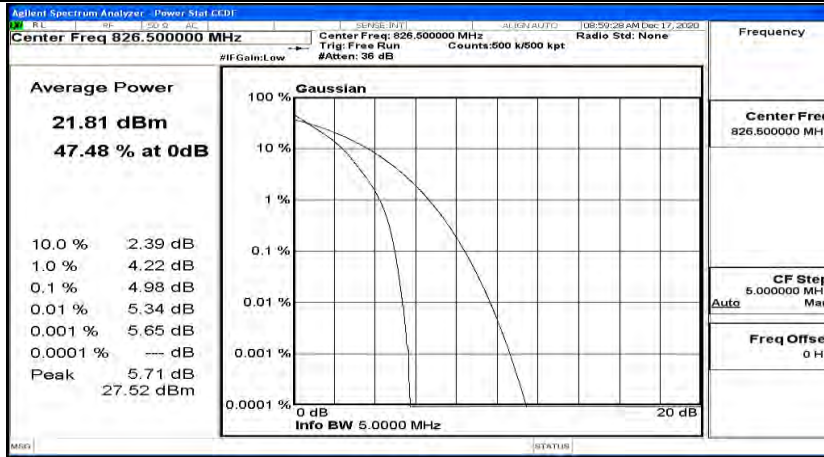
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



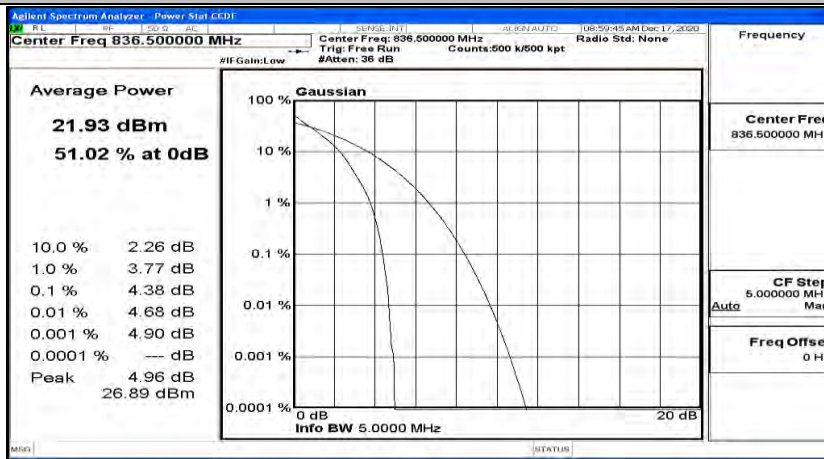
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



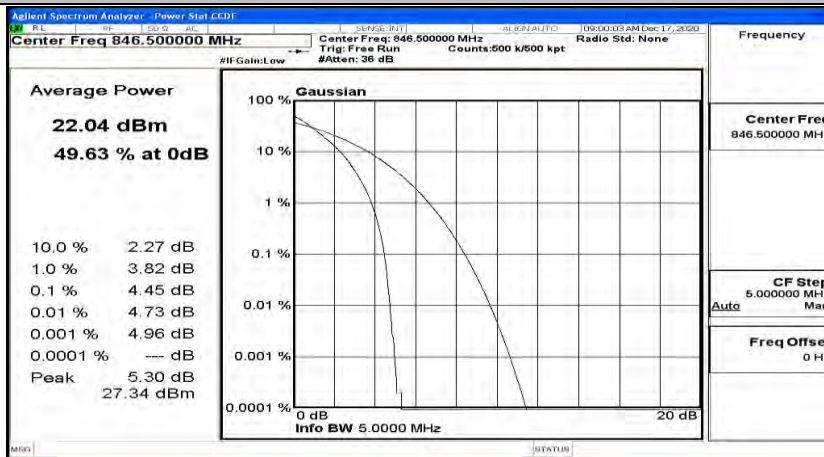
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



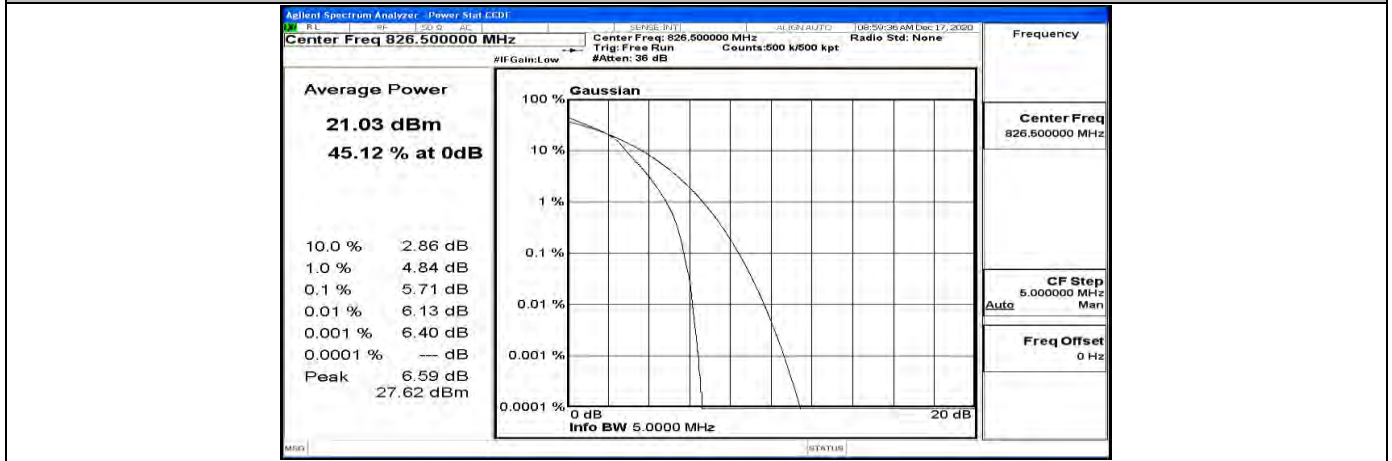
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



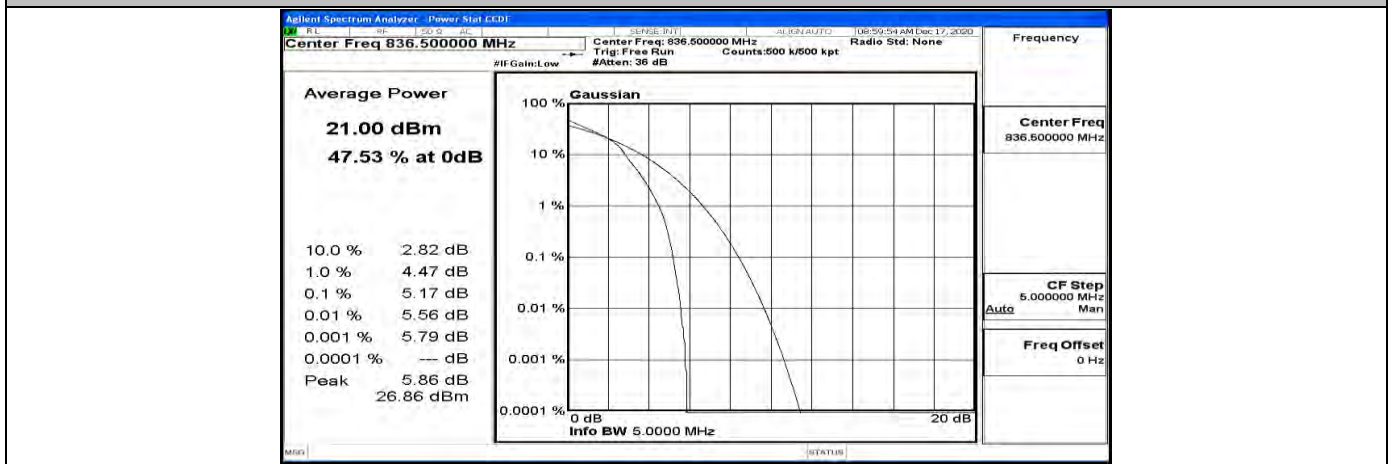
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



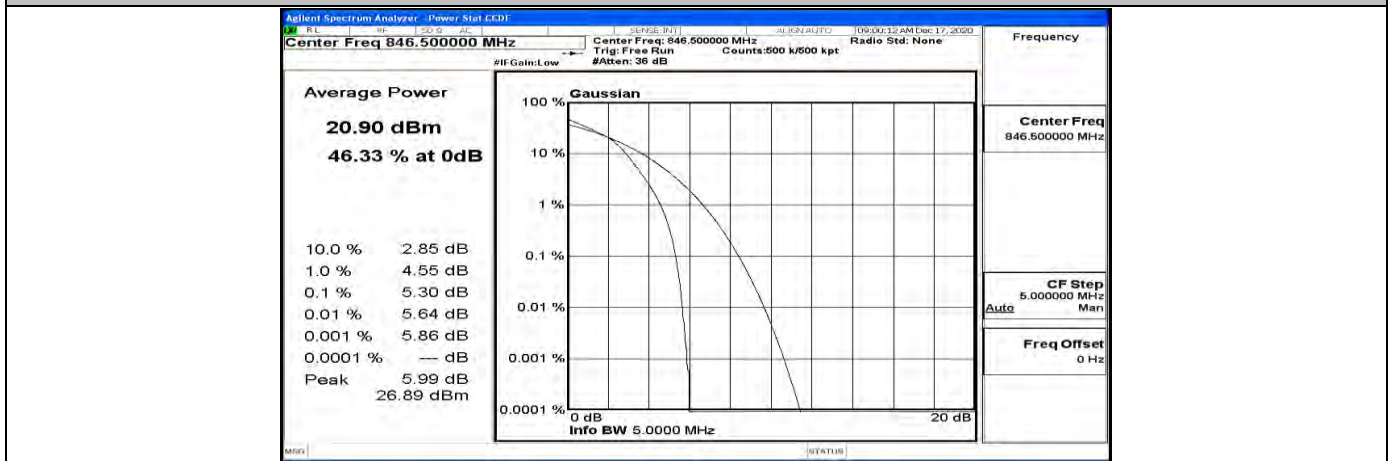
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



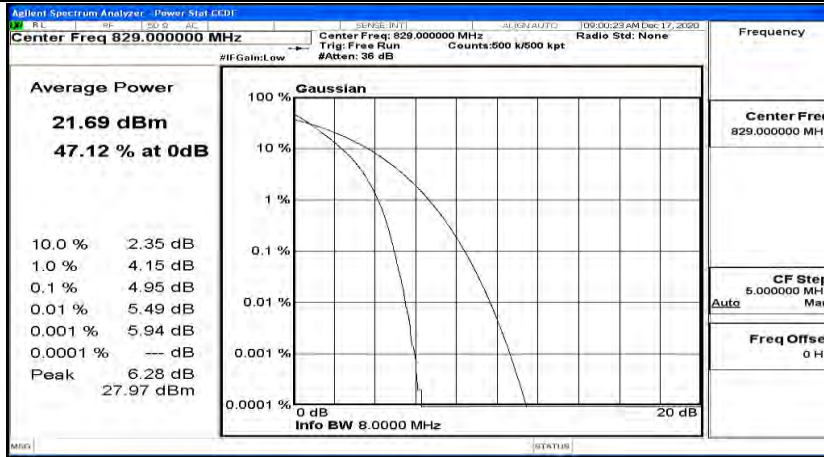
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



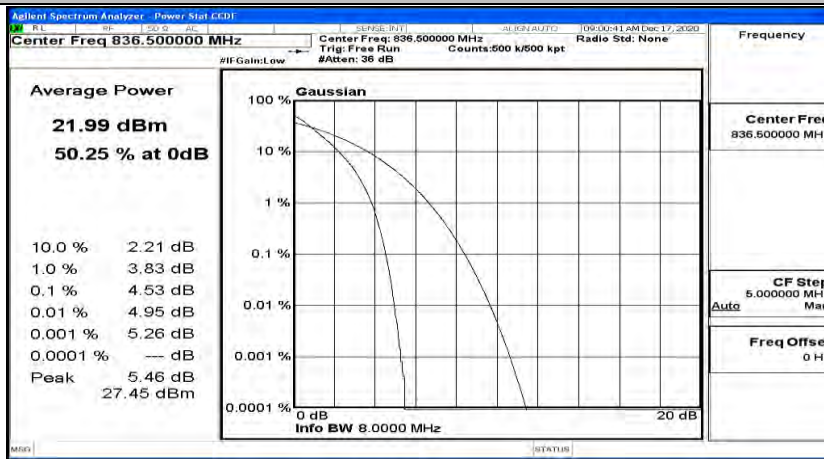
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



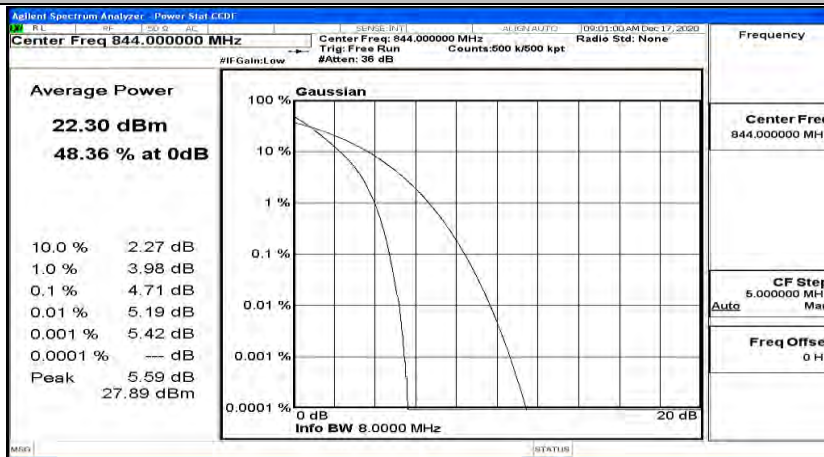
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) LCH_QPSK



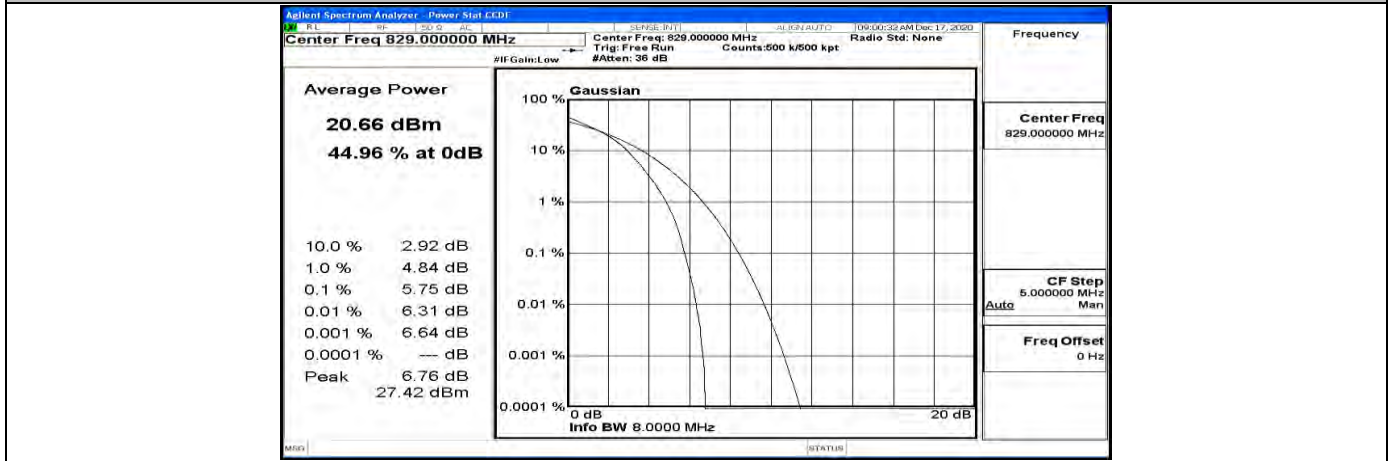
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) MCH_QPSK



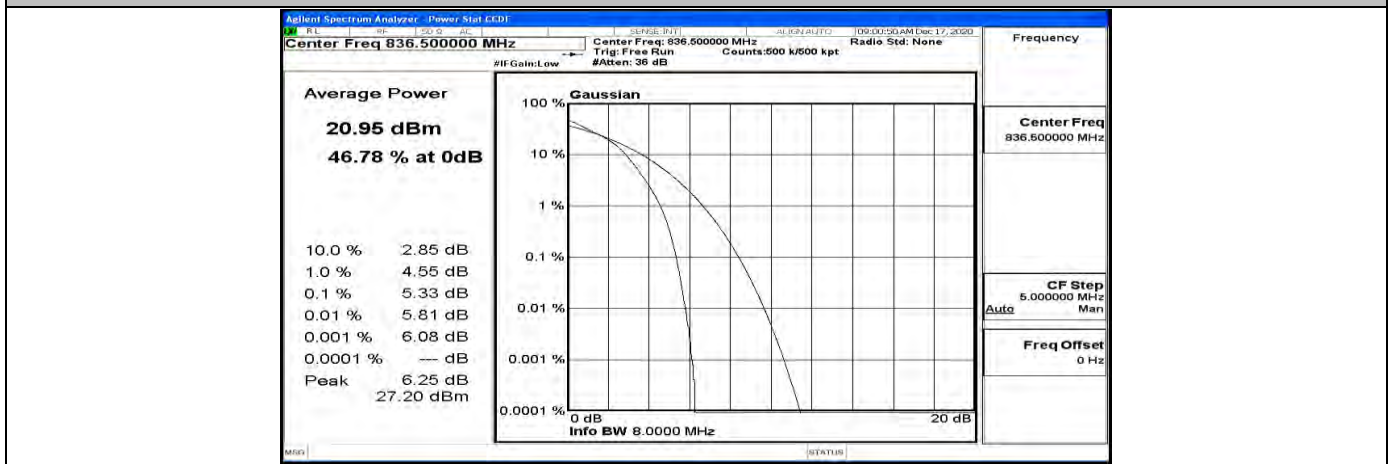
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) HCH_QPSK



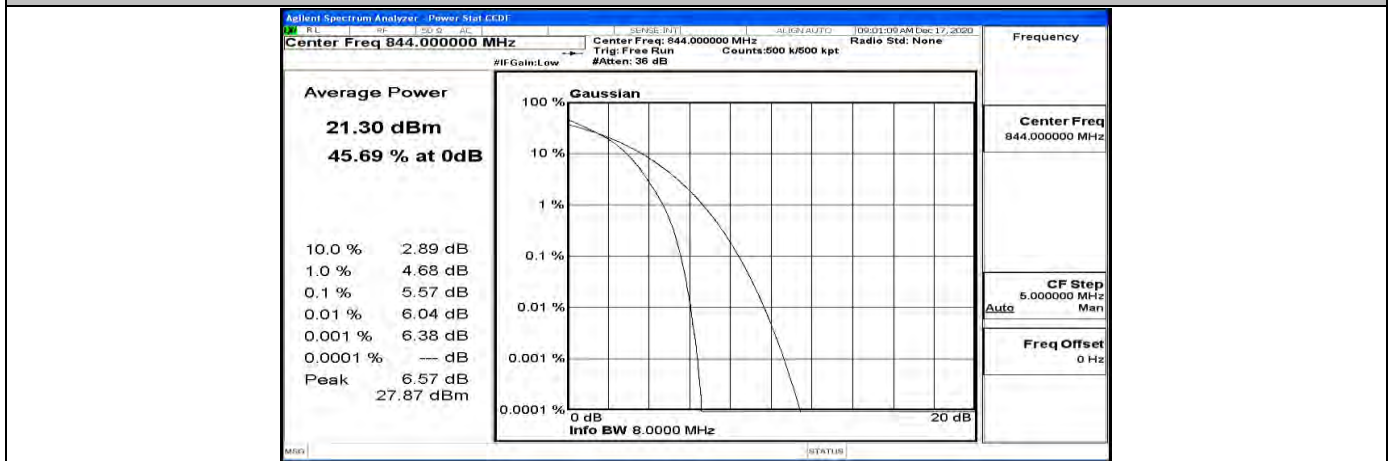
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



H.3 26dB Bandwidth and Occupied Bandwidth

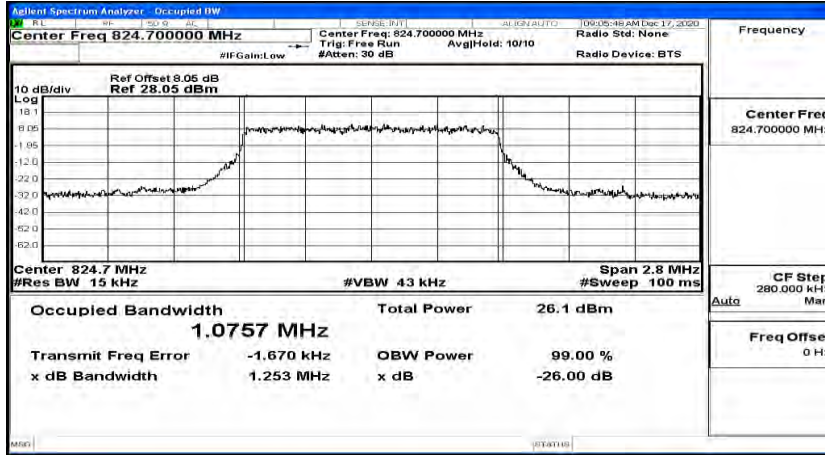
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0757	1.253	PASS
	MCH	1.0800	1.283	PASS
	HCH	1.0819	1.393	PASS
16QAM	LCH	1.0784	1.238	PASS
	MCH	1.0781	1.240	PASS
	HCH	1.0826	1.264	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6841	2.875	PASS
	MCH	2.6863	2.902	PASS
	HCH	2.6837	2.895	PASS
16QAM	LCH	2.6815	2.892	PASS
	MCH	2.6875	2.895	PASS
	HCH	2.6848	2.884	PASS

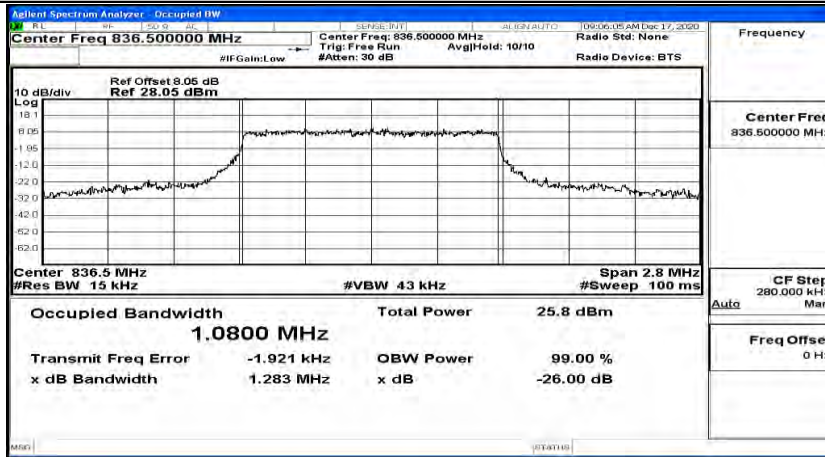
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4713	4.838	PASS
	MCH	4.4737	4.829	PASS
	HCH	4.4669	4.808	PASS
16QAM	LCH	4.4845	4.830	PASS
	MCH	4.4736	4.780	PASS
	HCH	4.4664	4.831	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9278	9.504	PASS
	MCH	8.9079	9.421	PASS
	HCH	8.9353	9.506	PASS
16QAM	LCH	8.9273	9.368	PASS
	MCH	8.9199	9.395	PASS
	HCH	8.9338	9.516	PASS

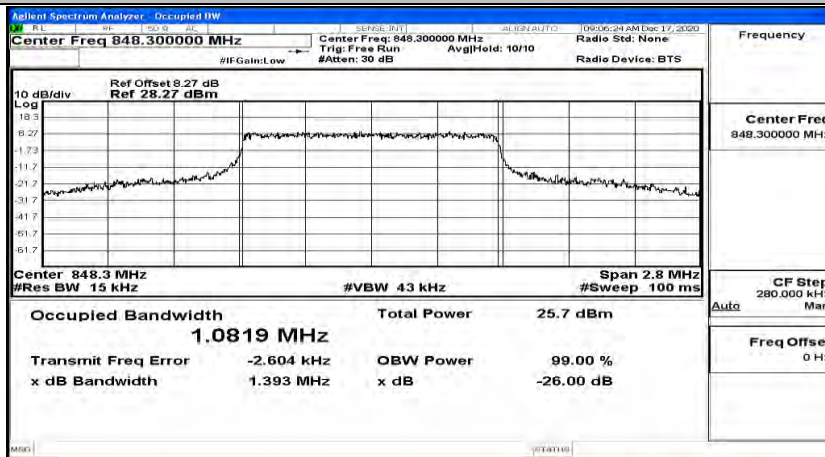
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



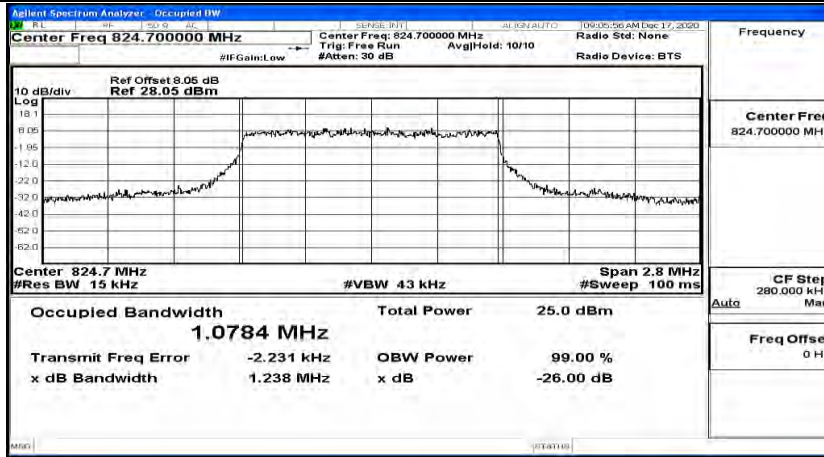
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



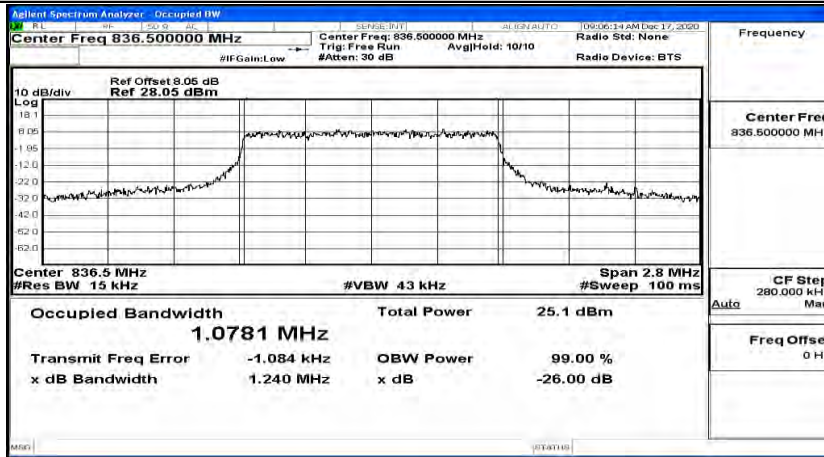
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



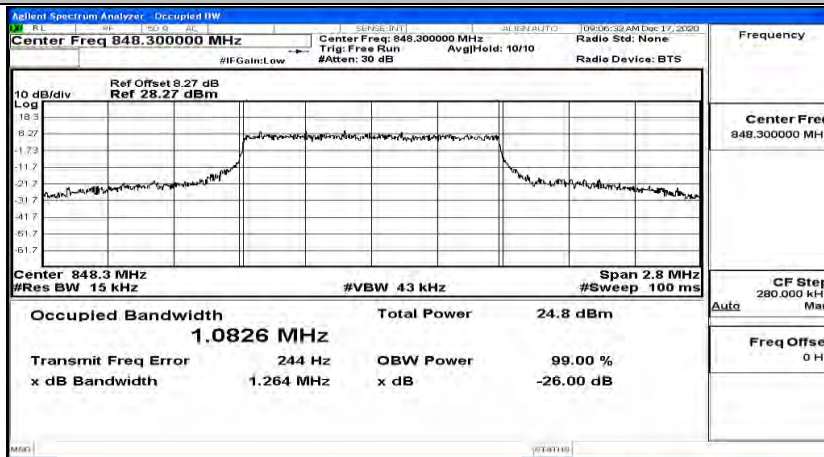
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) LCH_16QAM



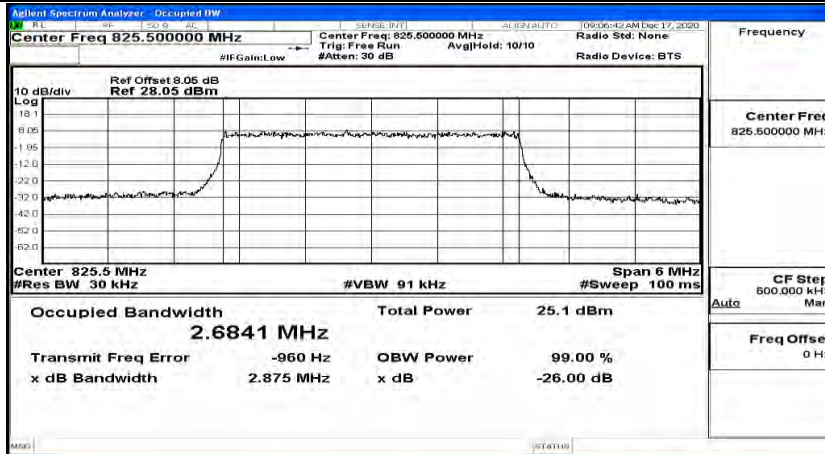
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) MCH_16QAM



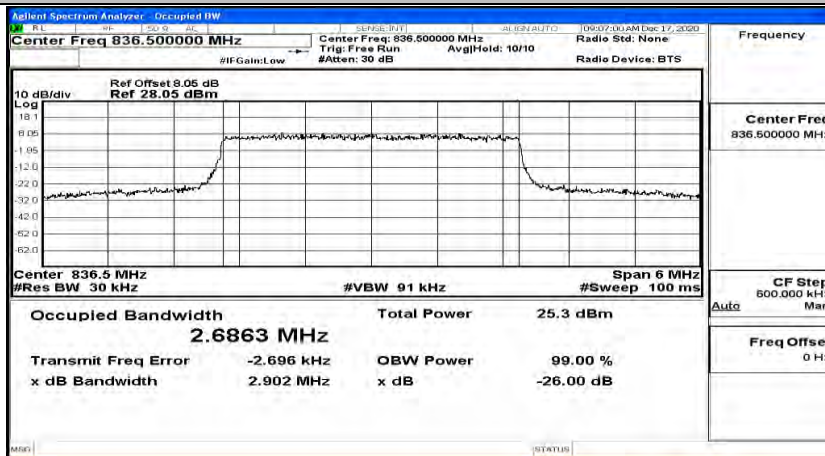
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) HCH_16QAM



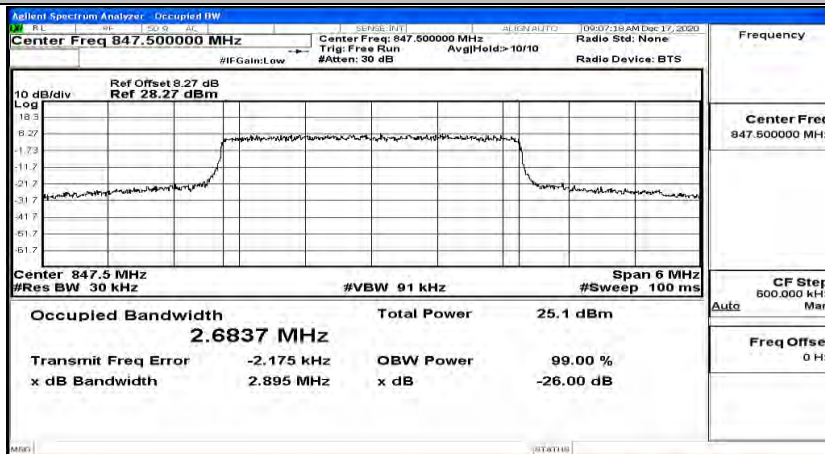
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



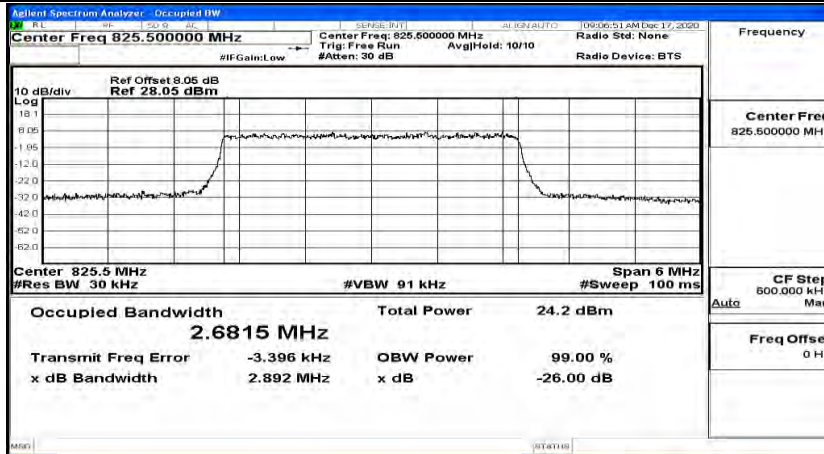
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



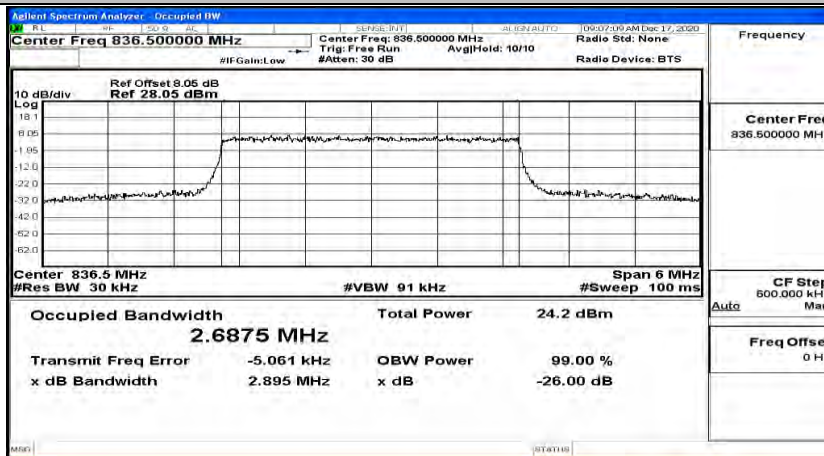
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



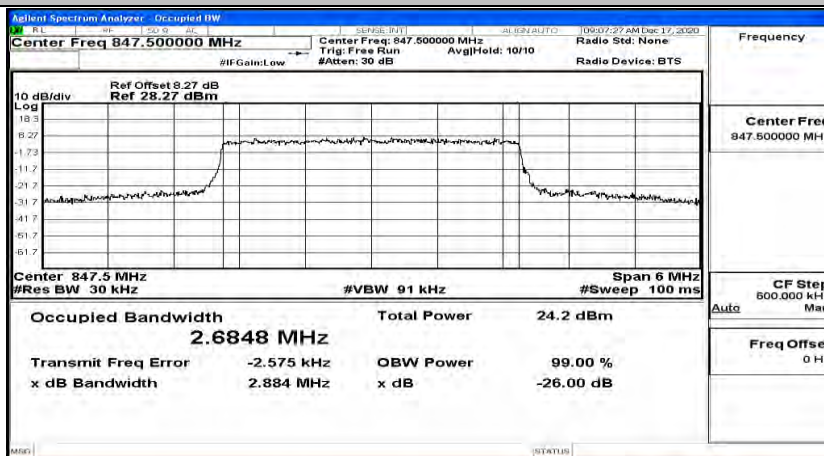
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



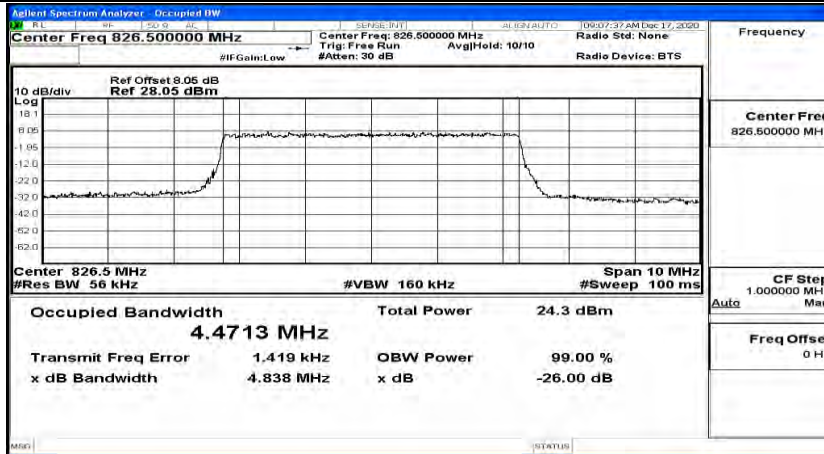
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



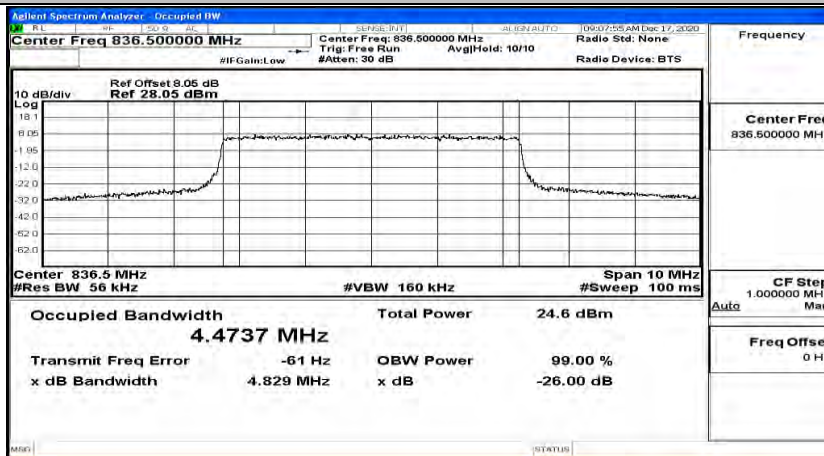
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



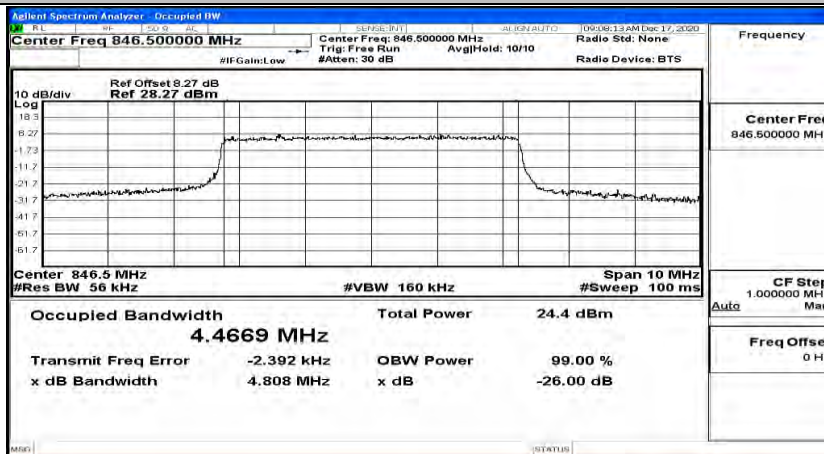
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



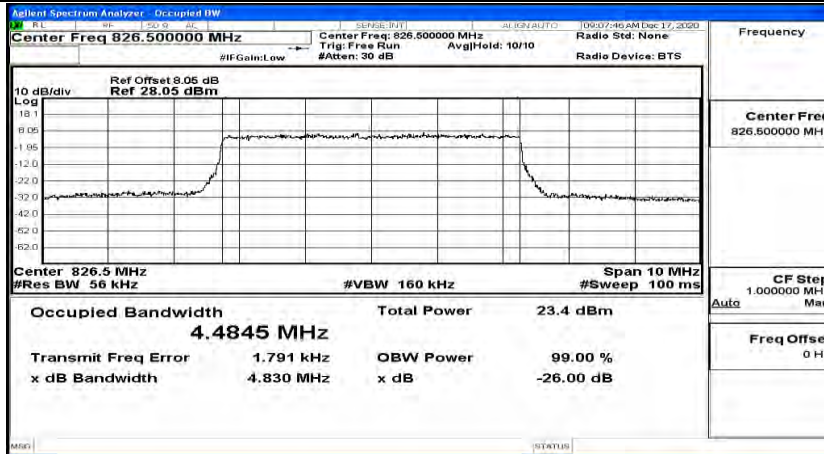
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



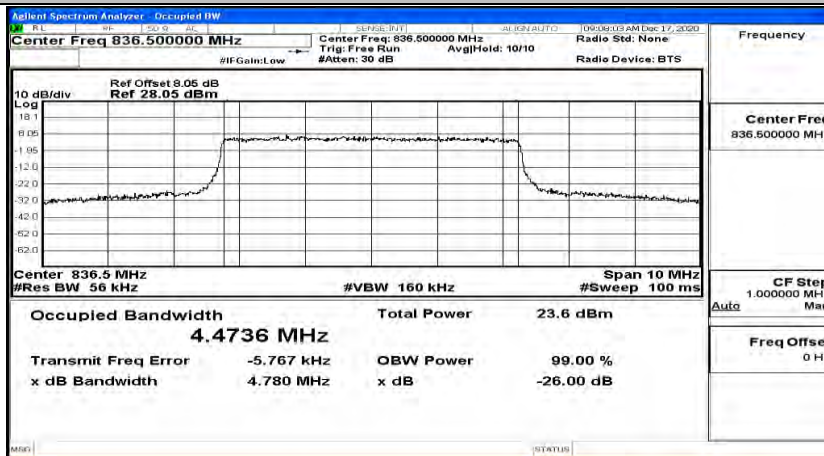
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



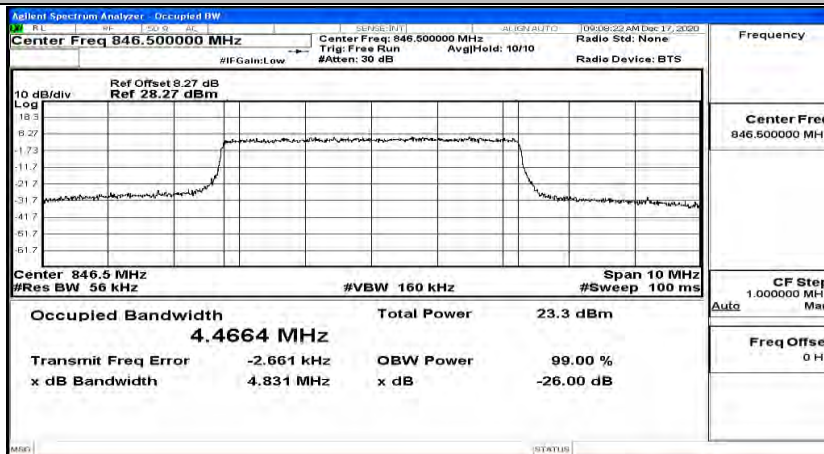
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



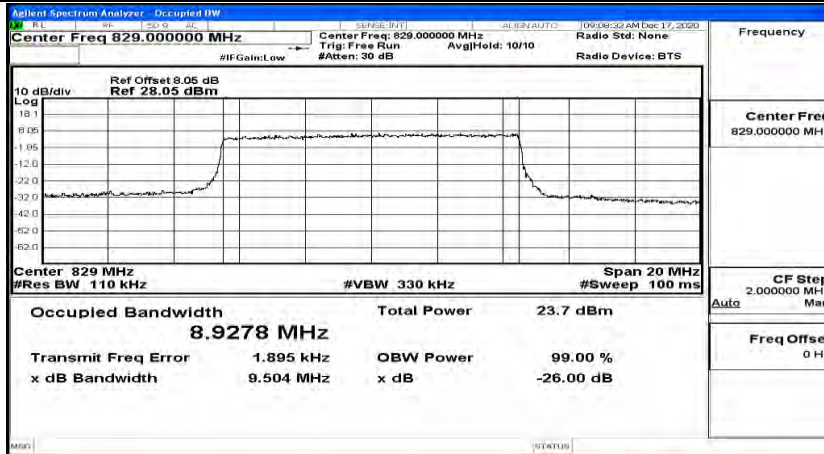
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



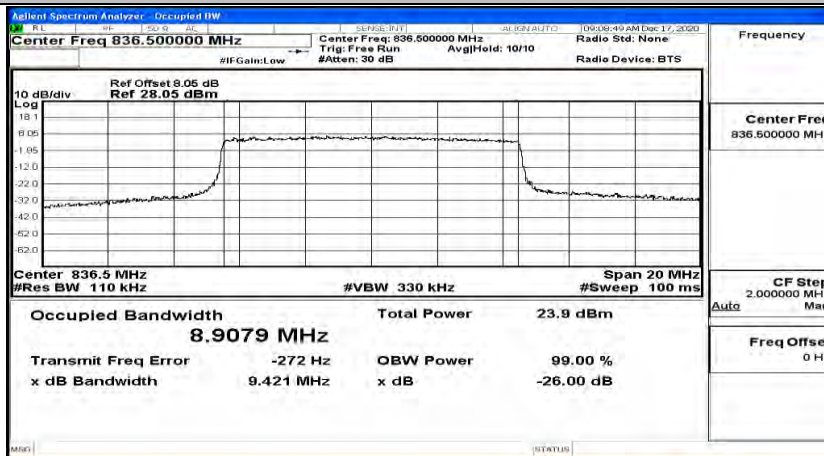
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



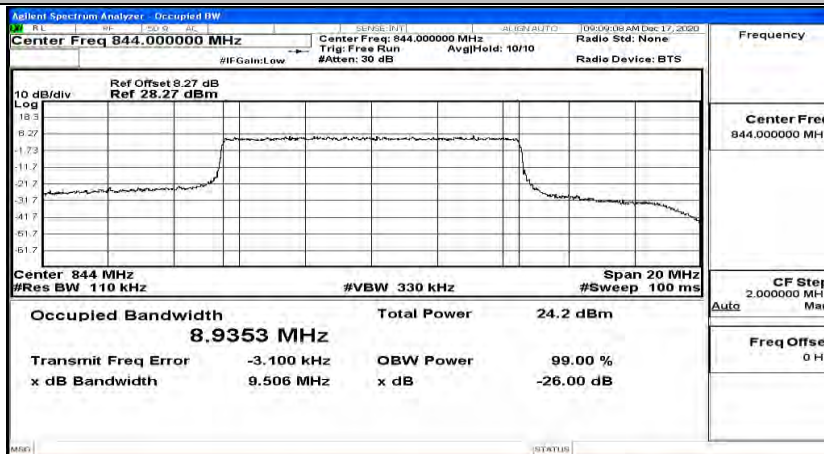
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



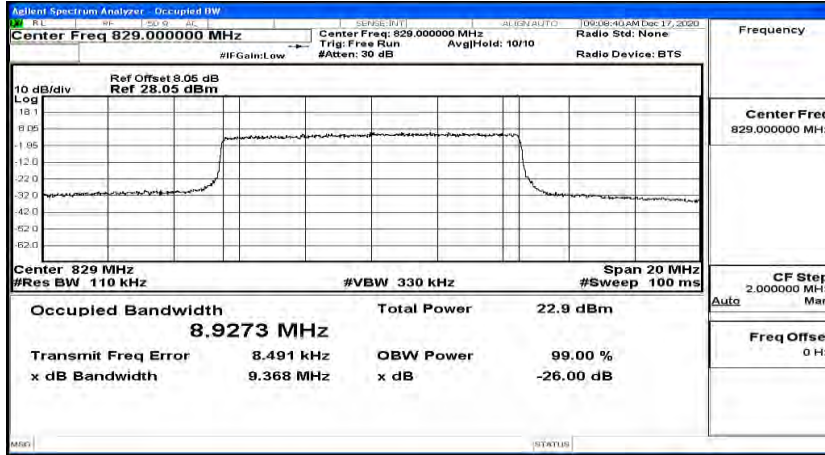
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



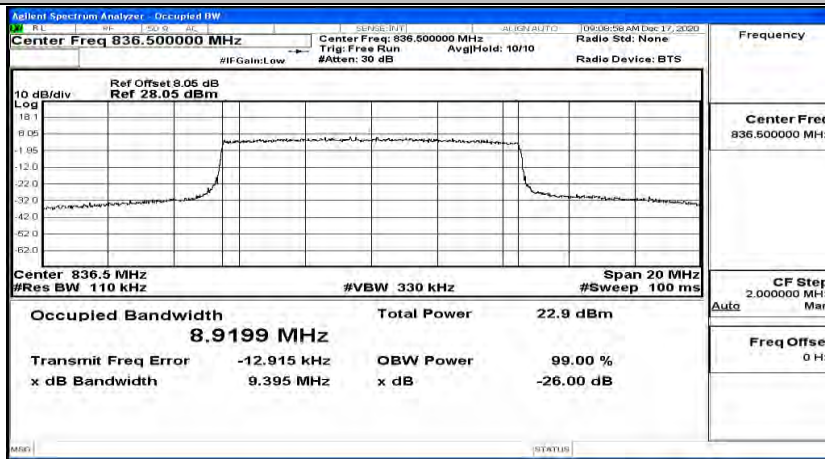
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



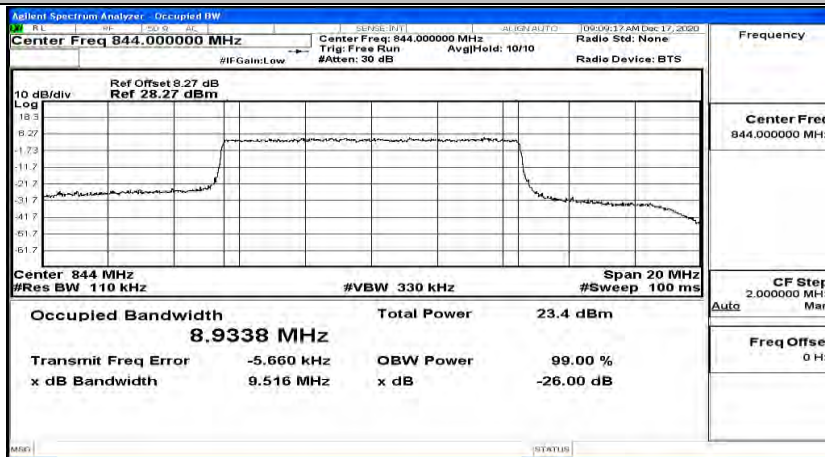
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM

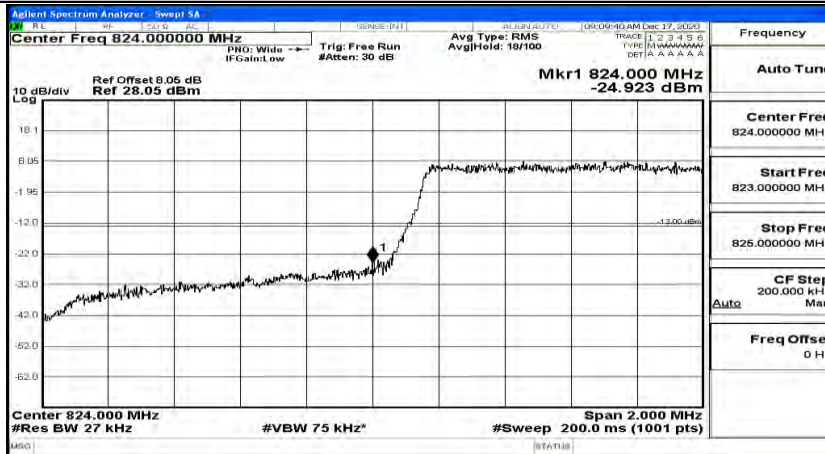


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

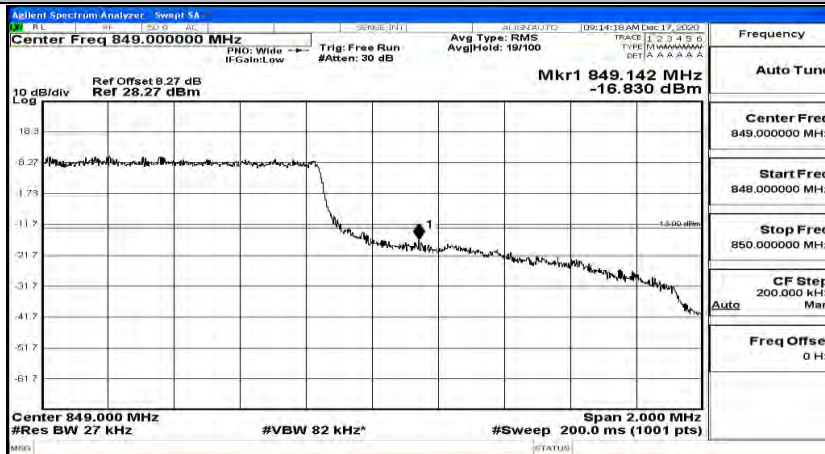


H.4 Band Edge

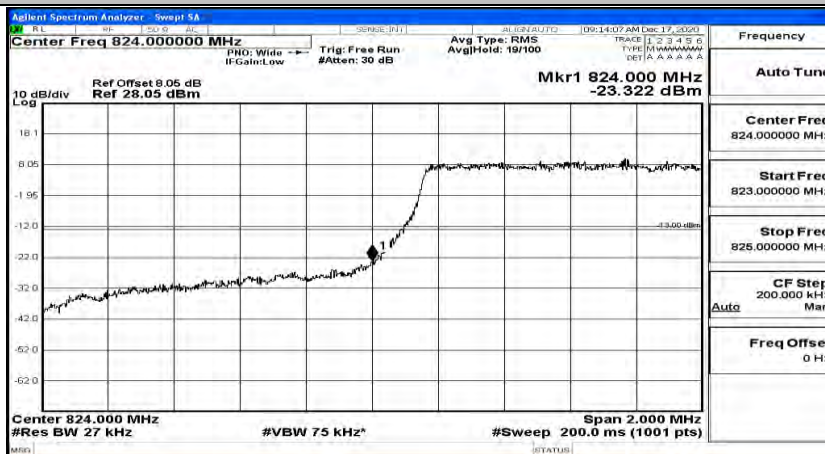
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



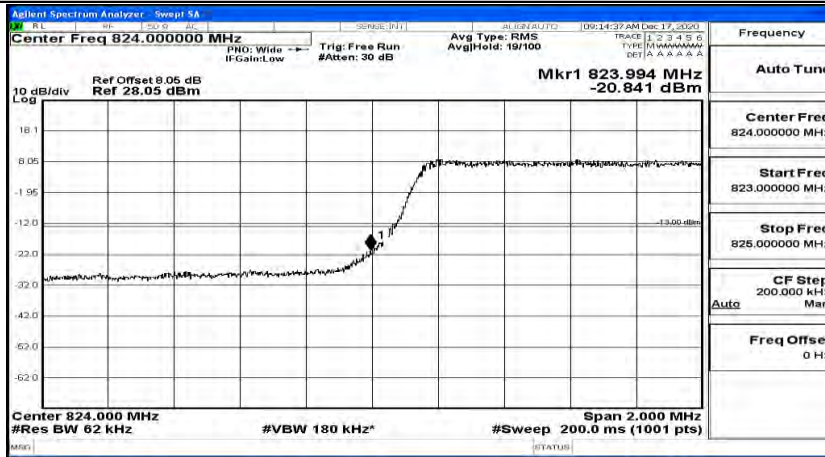
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



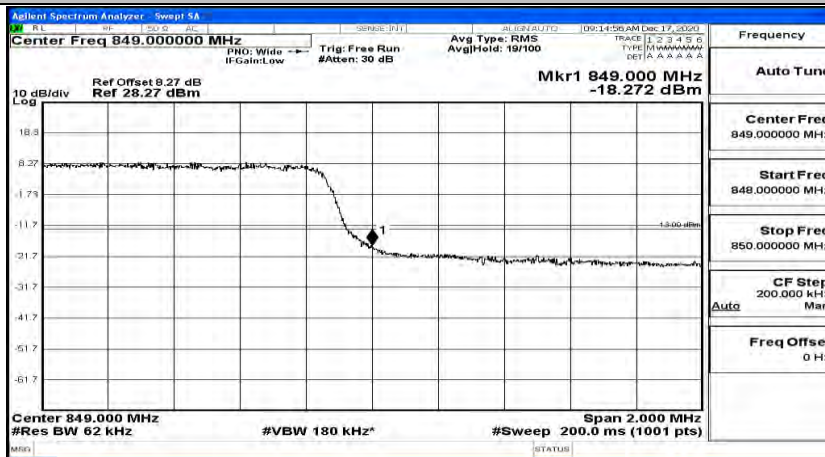
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



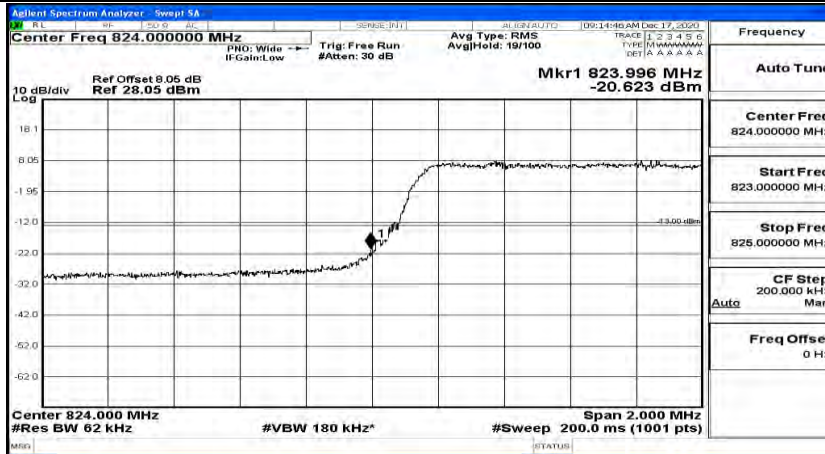
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



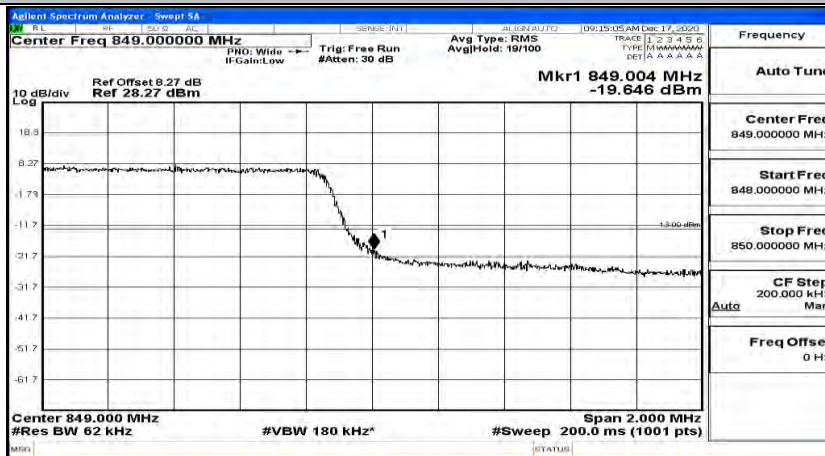
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



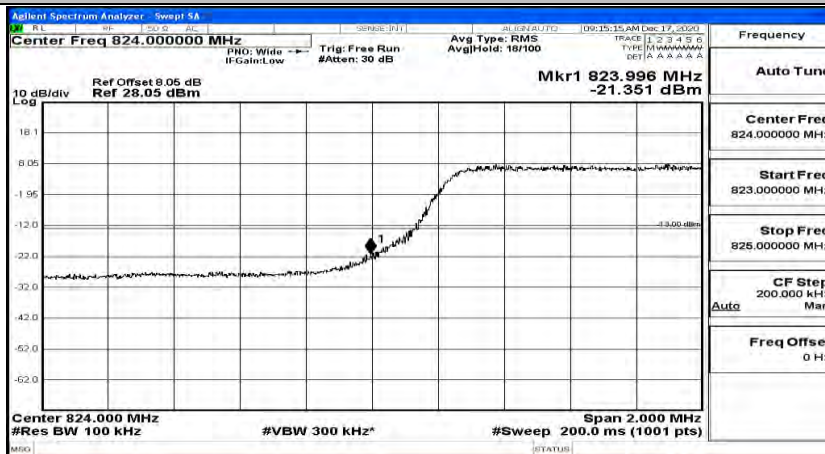
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



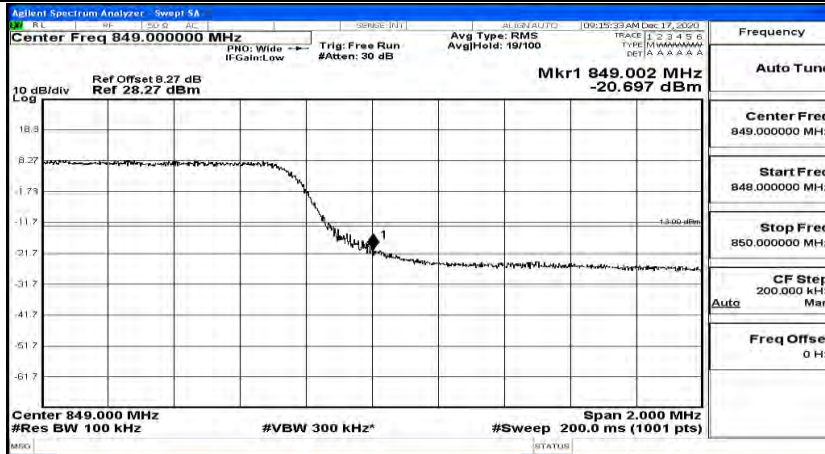
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



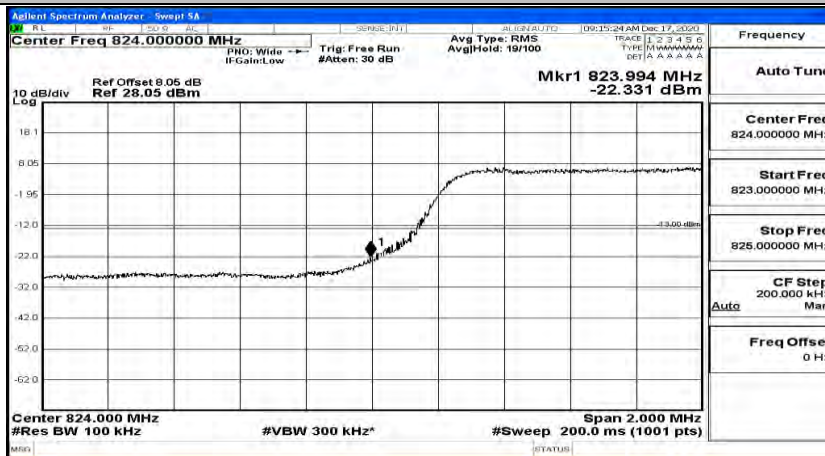
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



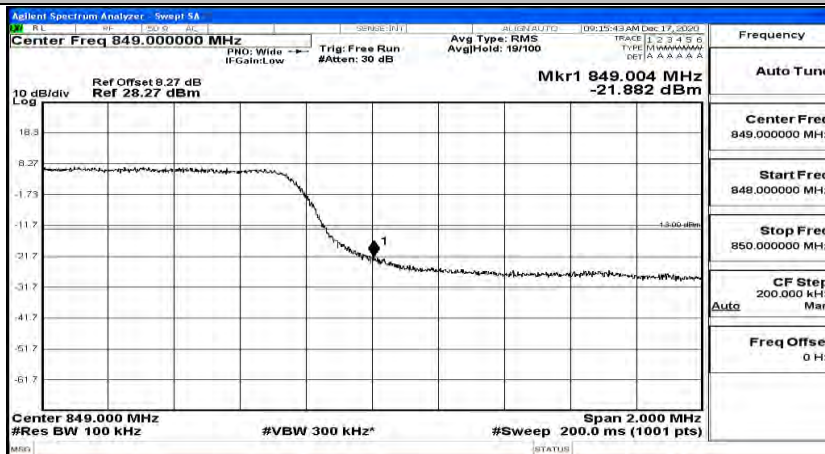
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



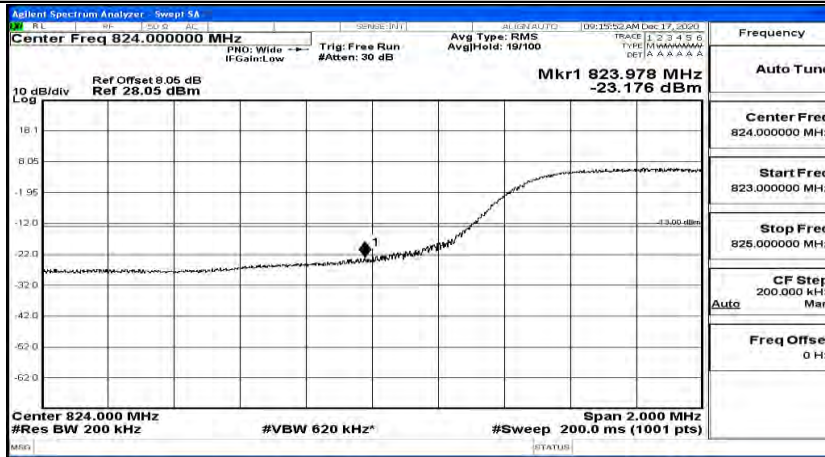
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



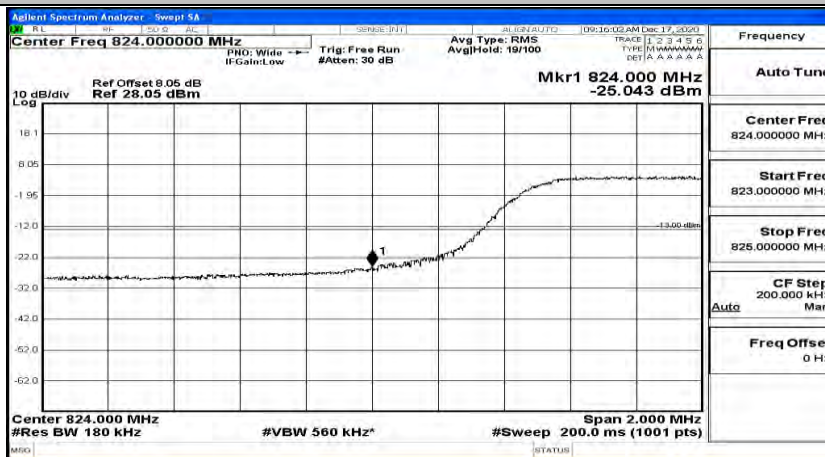
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



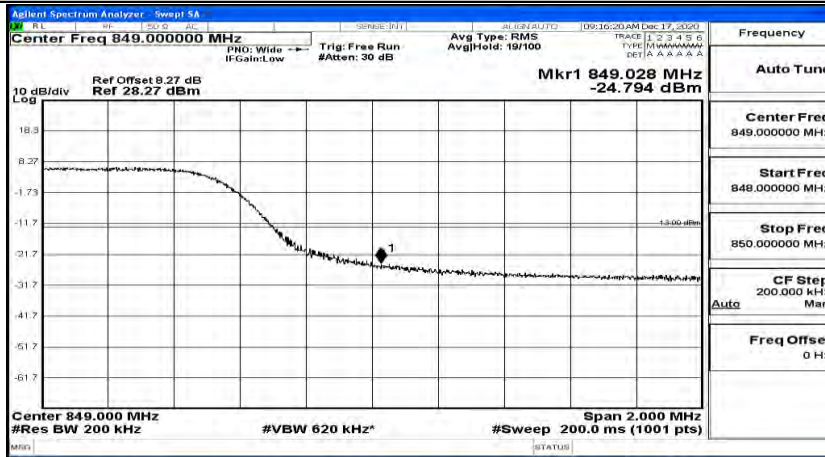
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

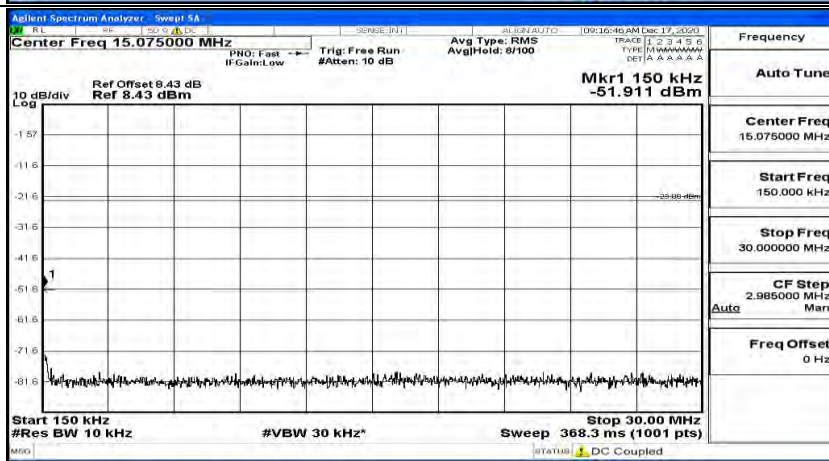
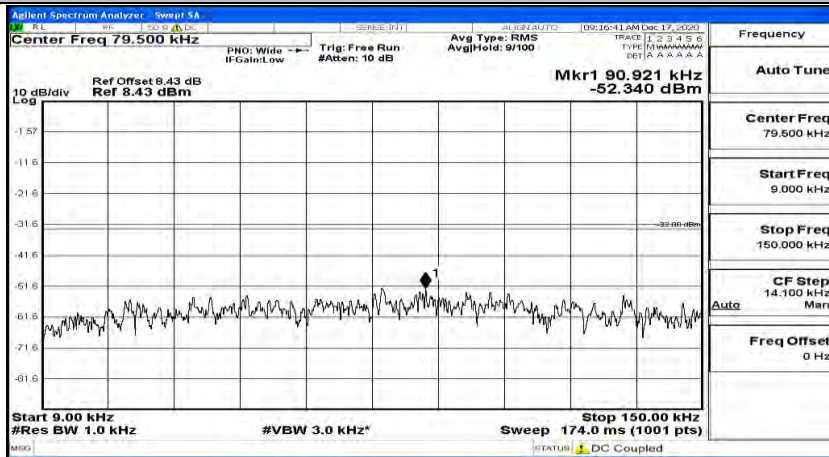


H.5 Conducted Spurious Emission

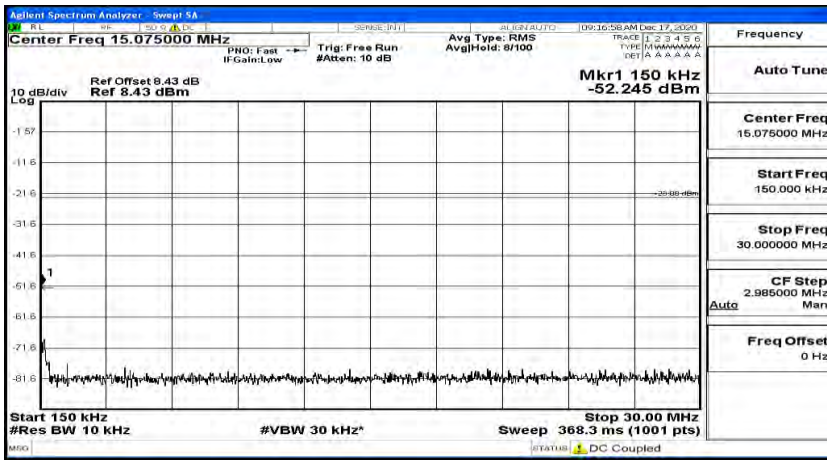
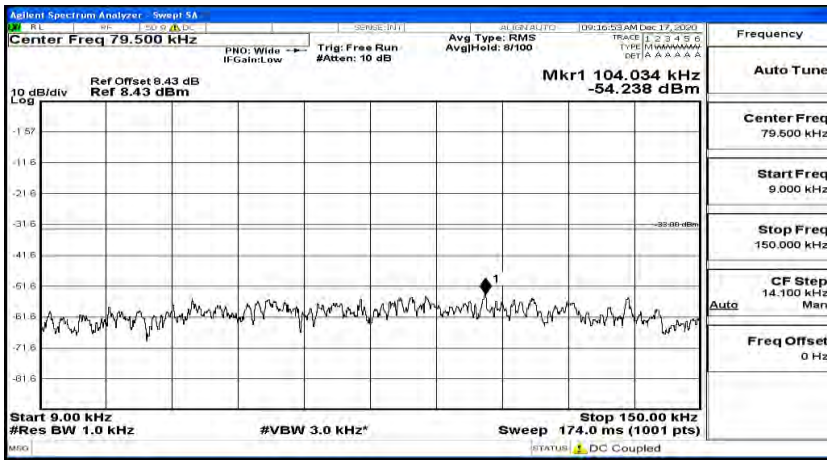
Test Graphs

Channel Bandwidth: 1.4 MHz

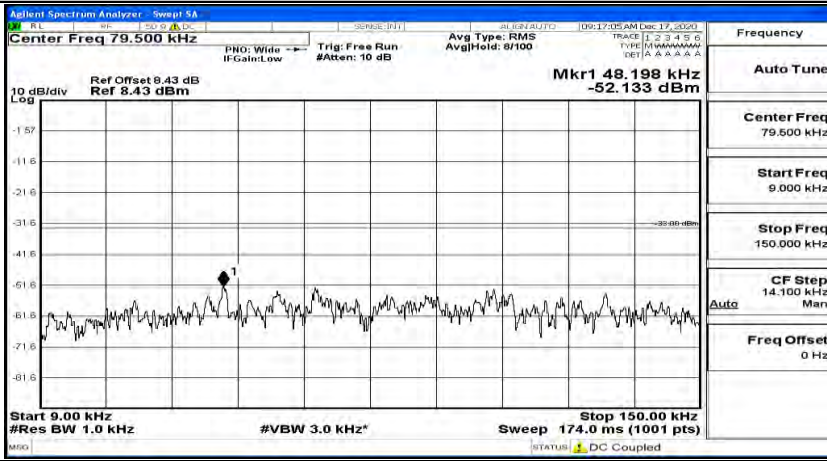
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

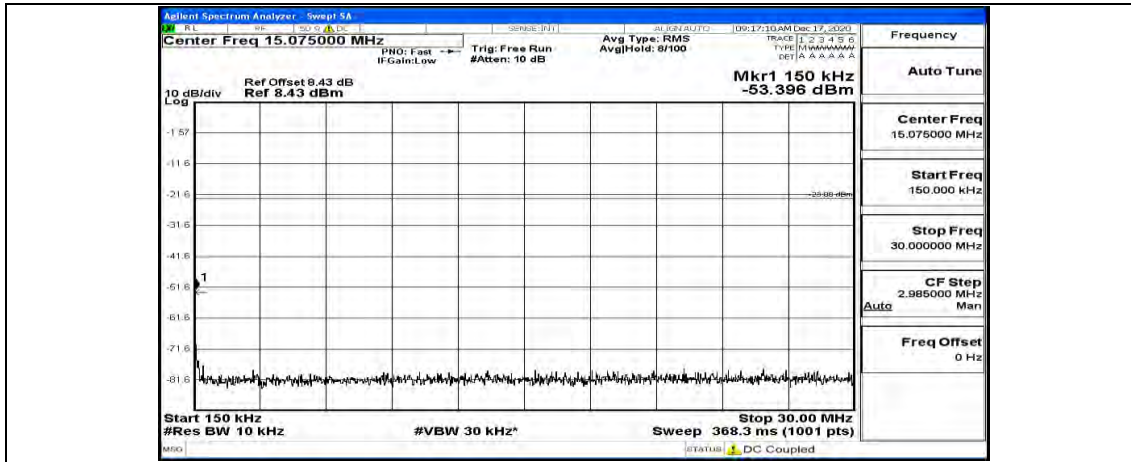


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

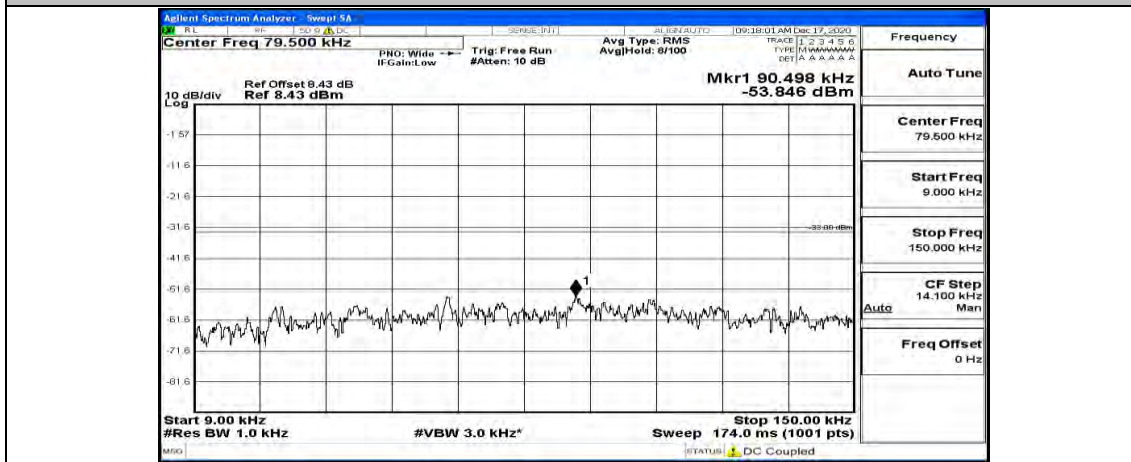


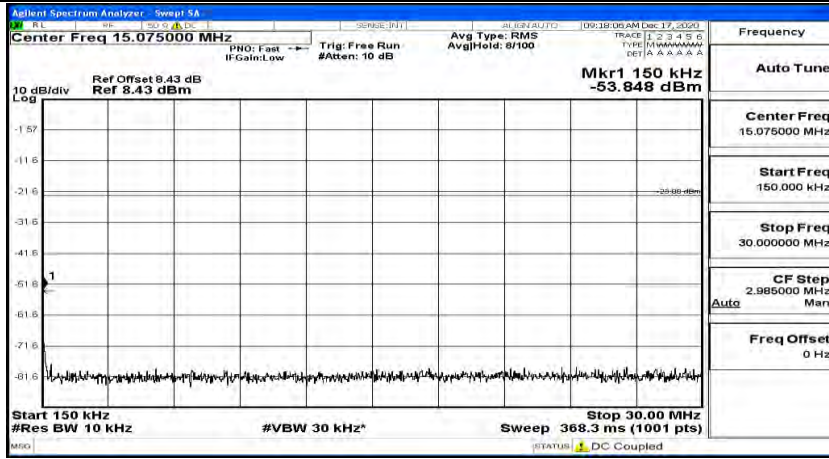
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



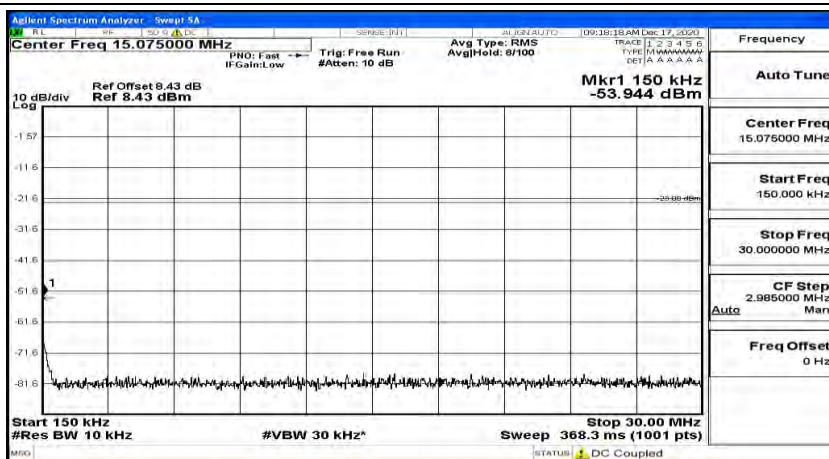
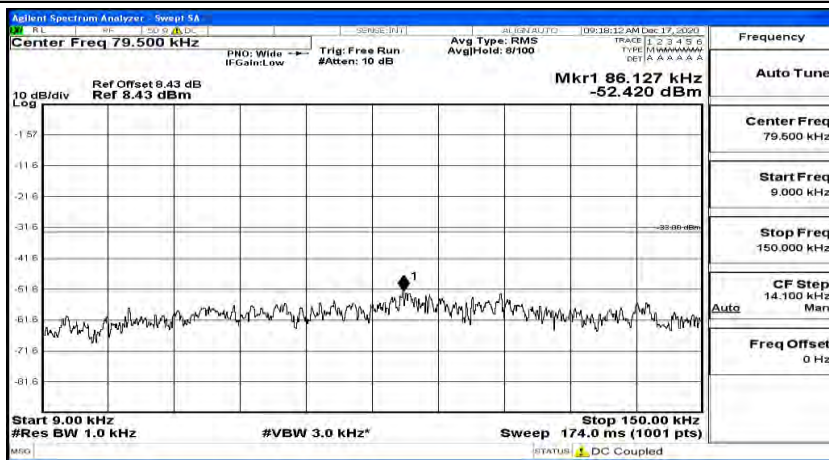


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



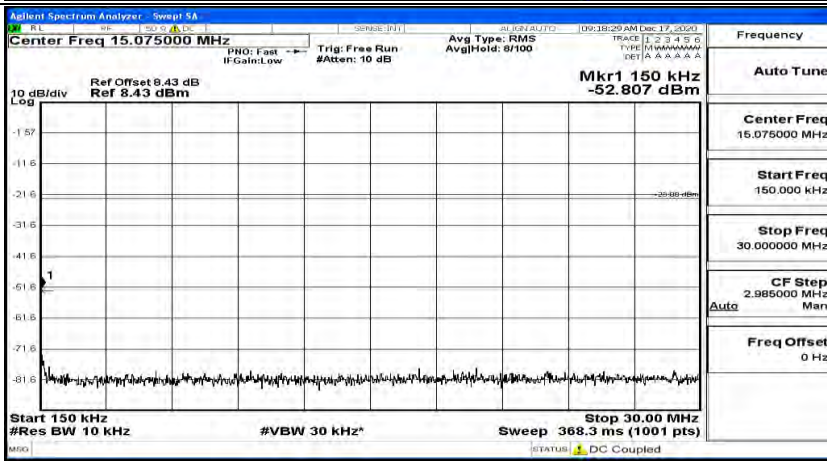
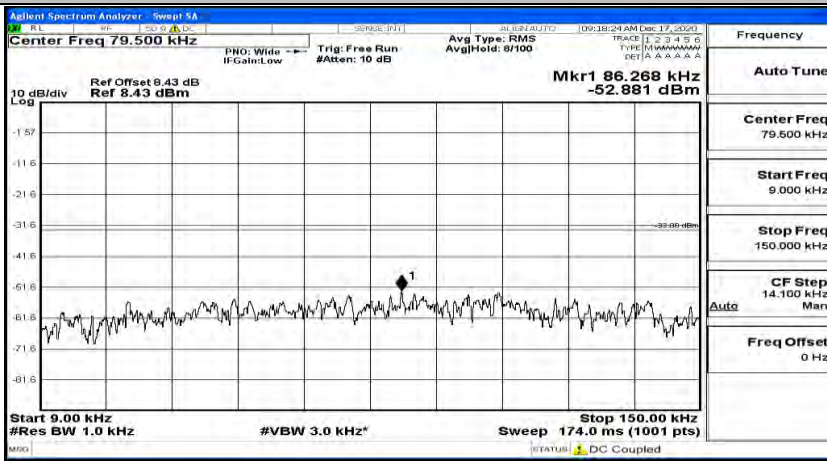


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

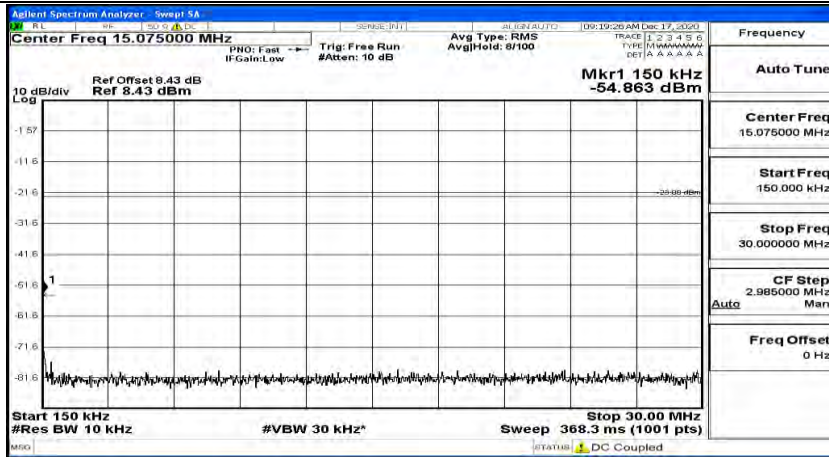
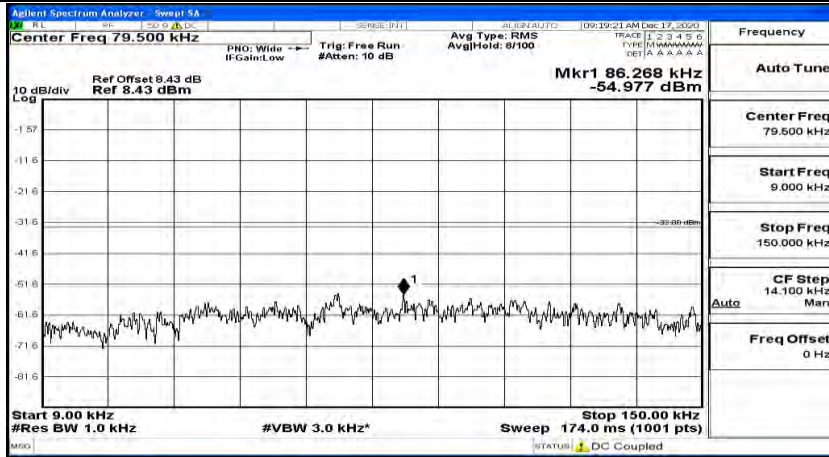




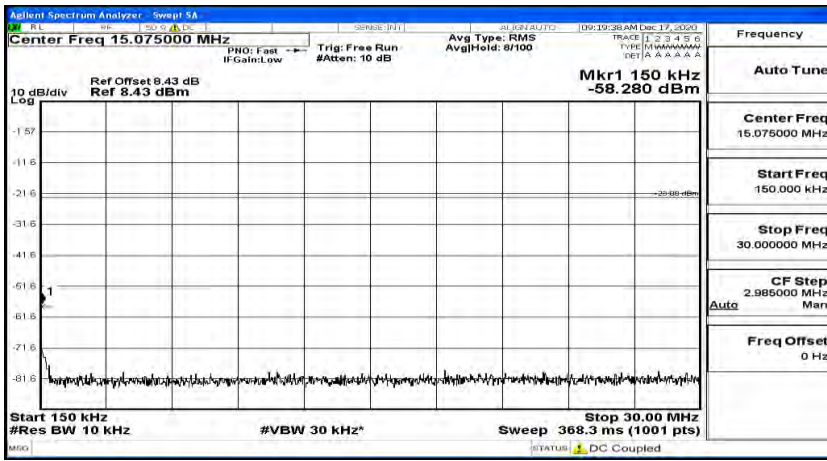
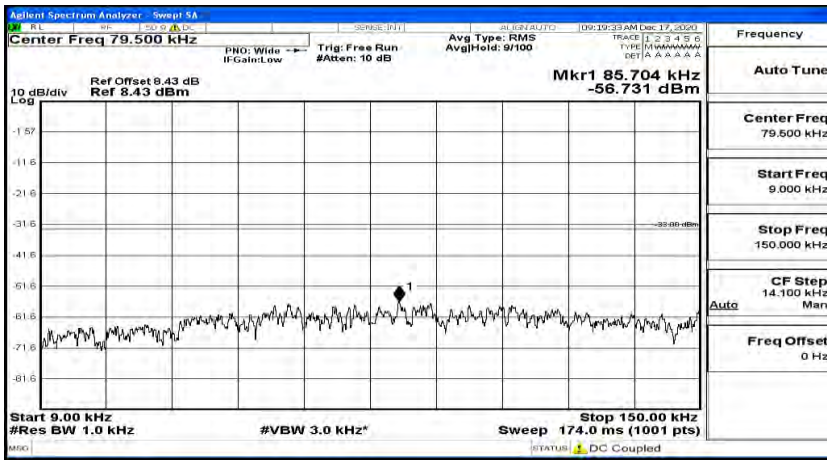
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



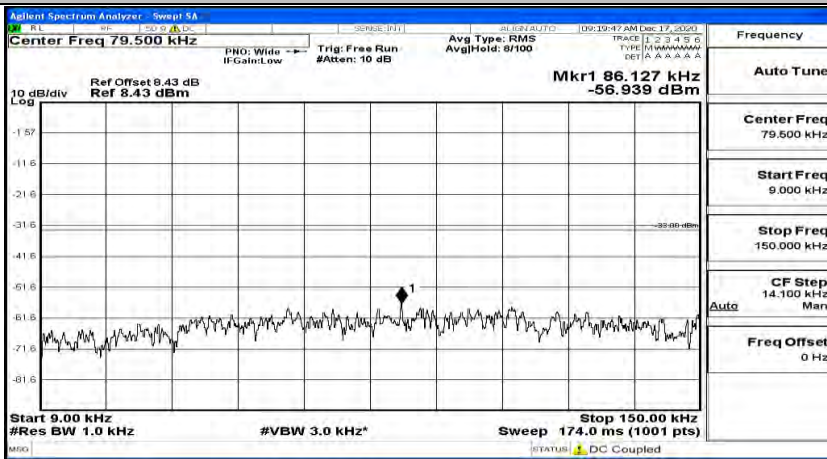
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

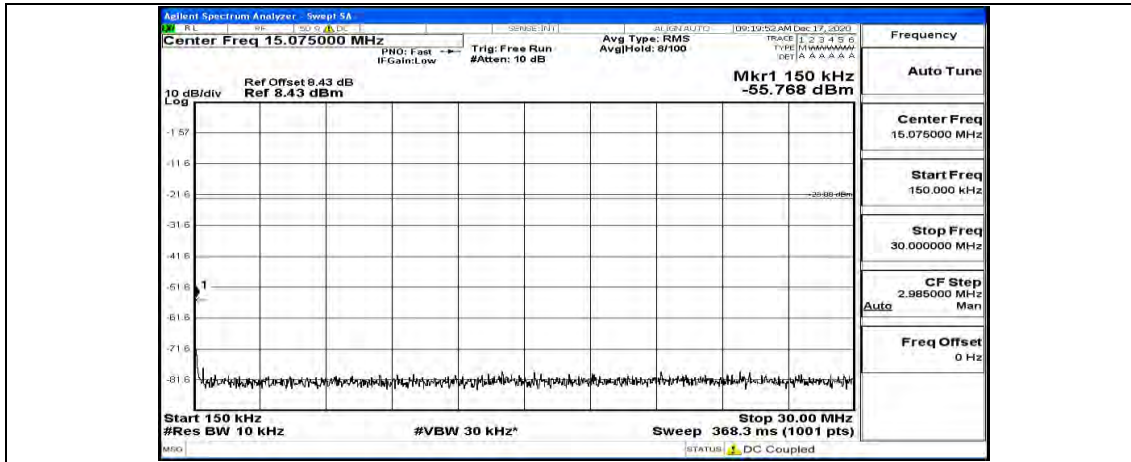


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

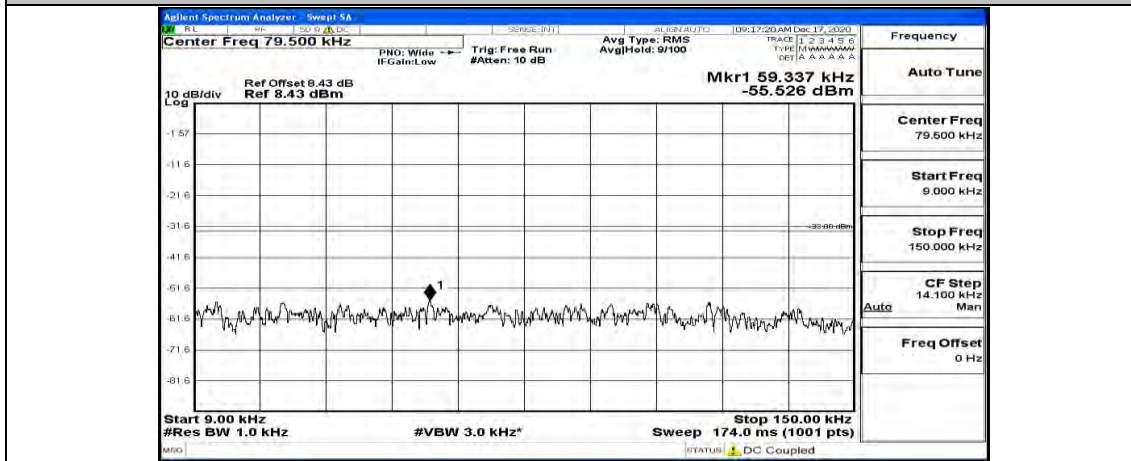


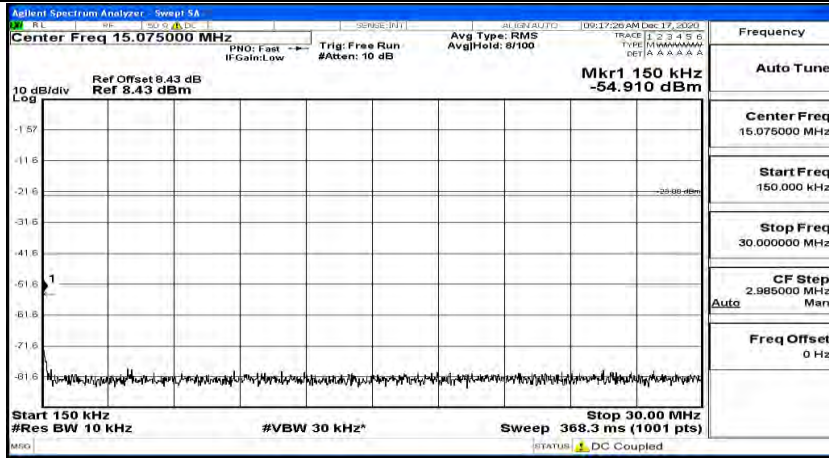
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



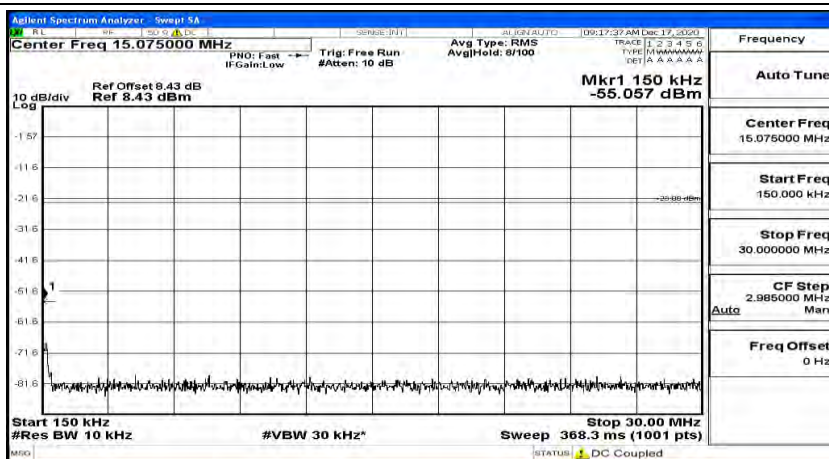
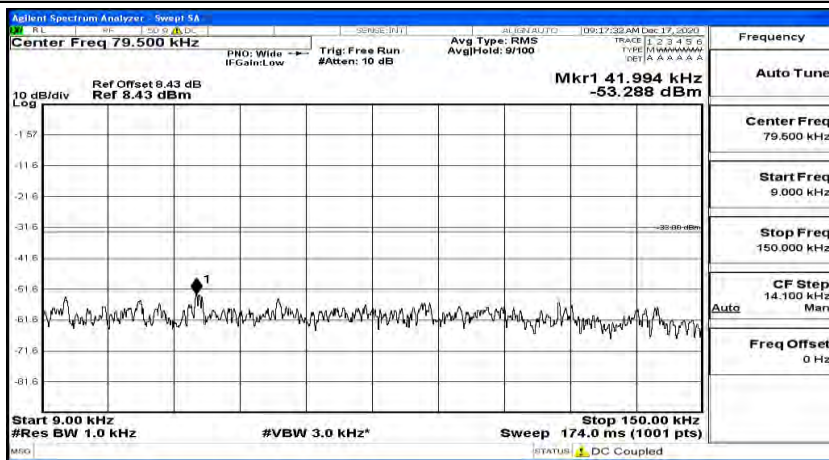


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



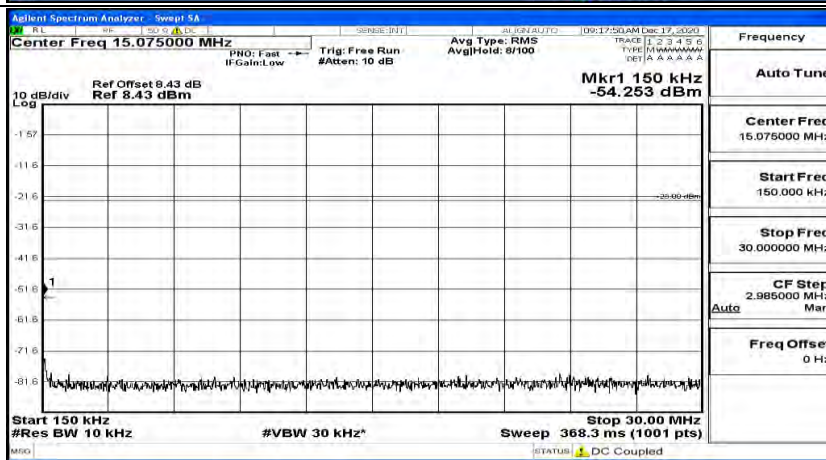
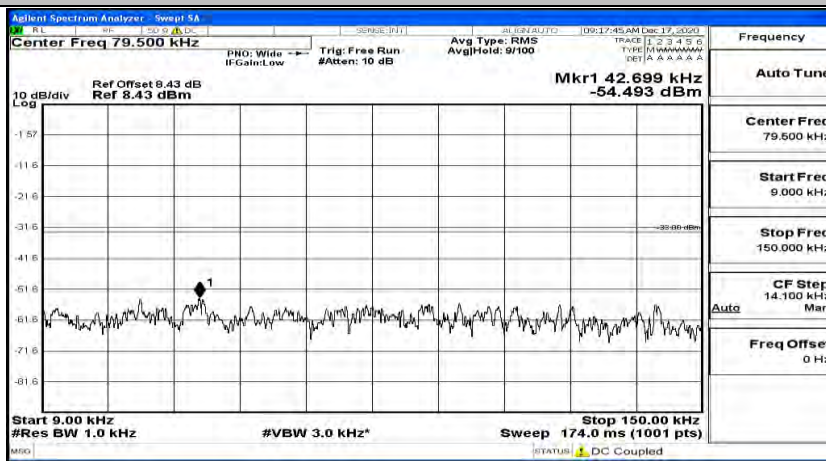


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

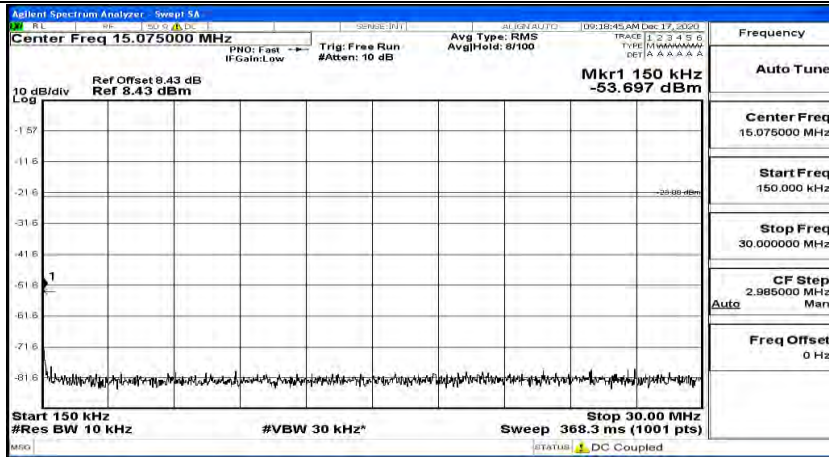
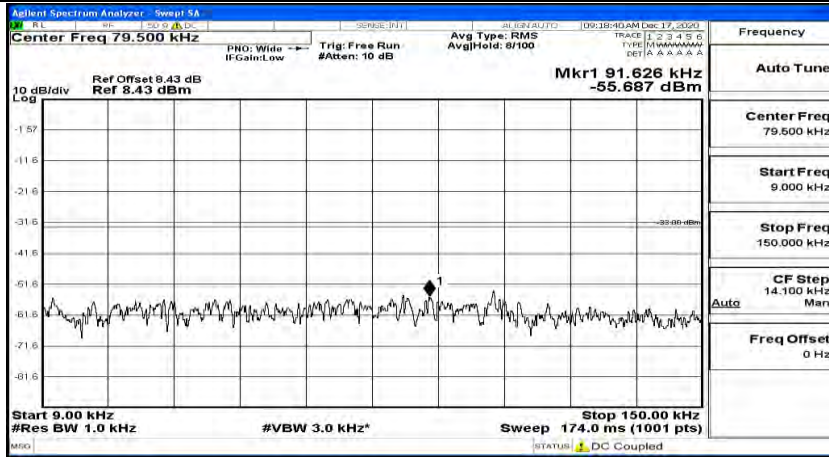




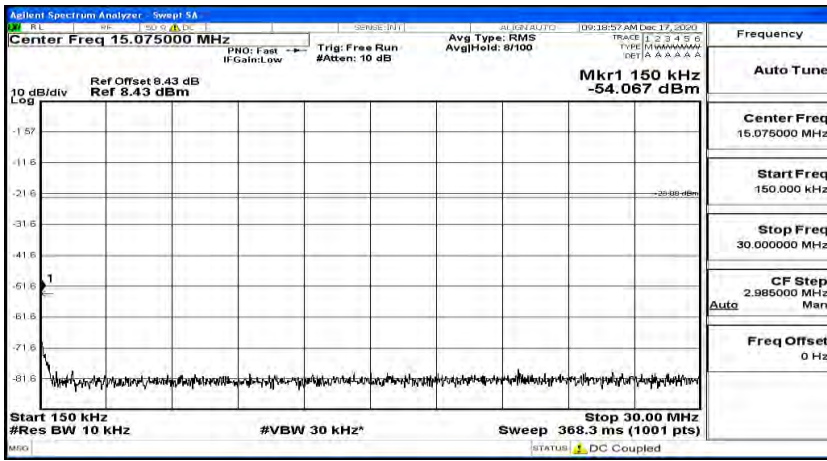
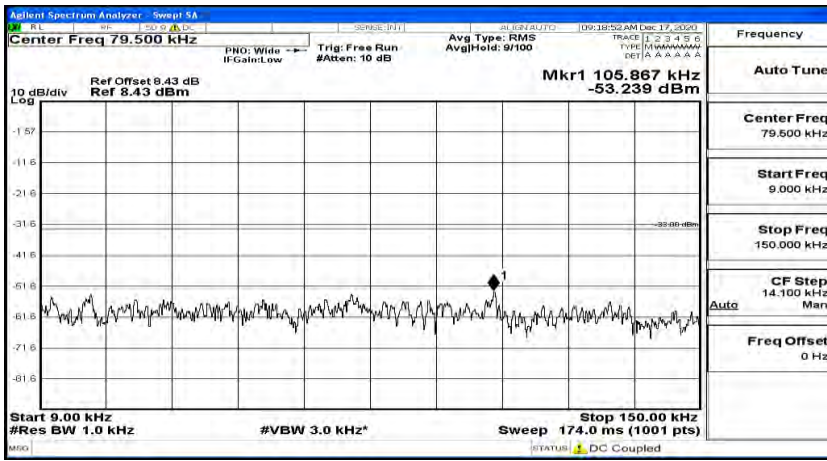
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



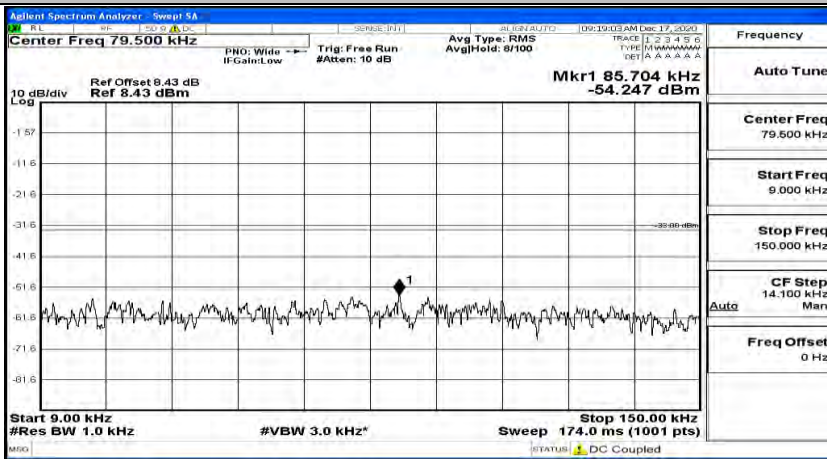
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

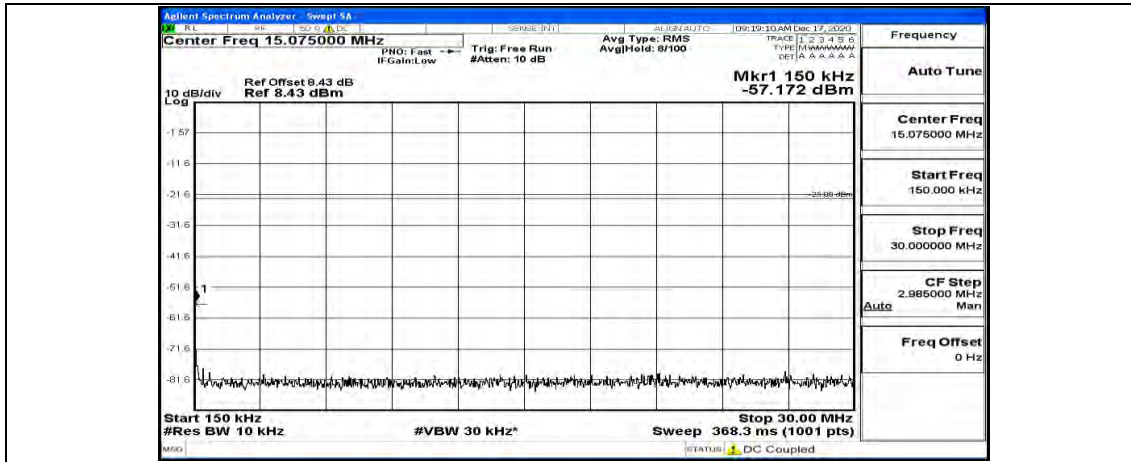


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

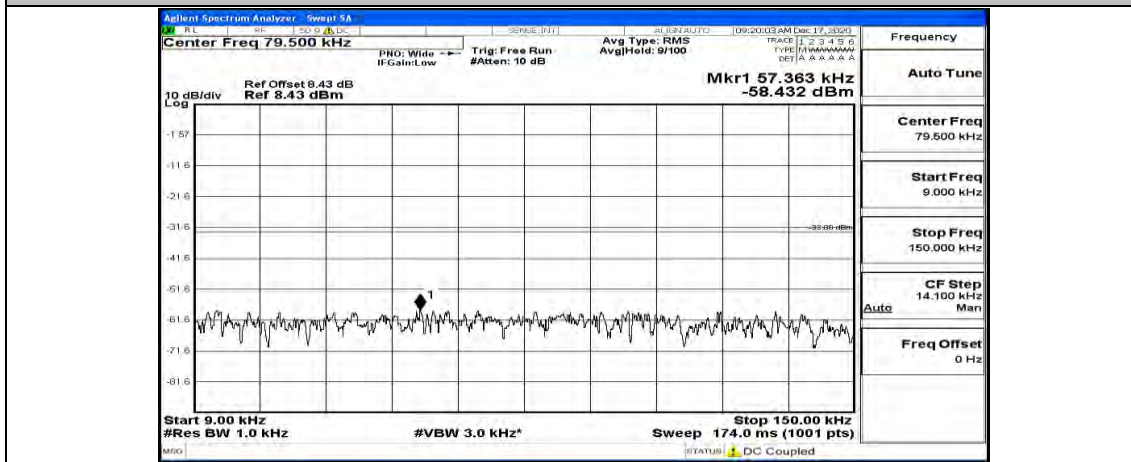


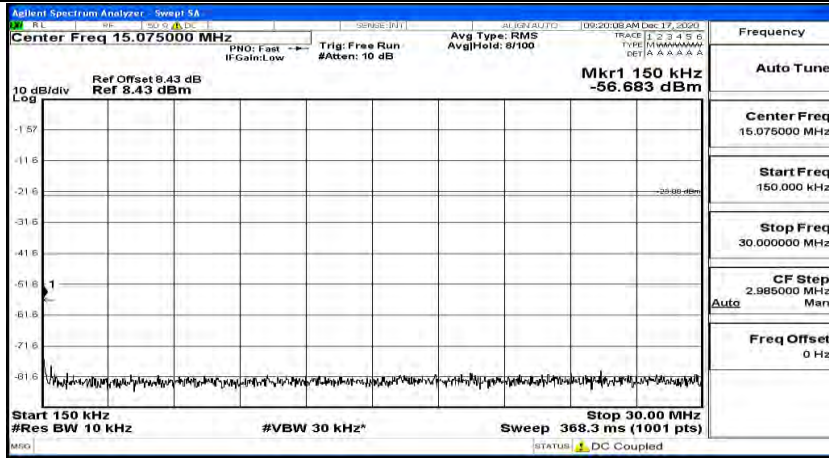
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



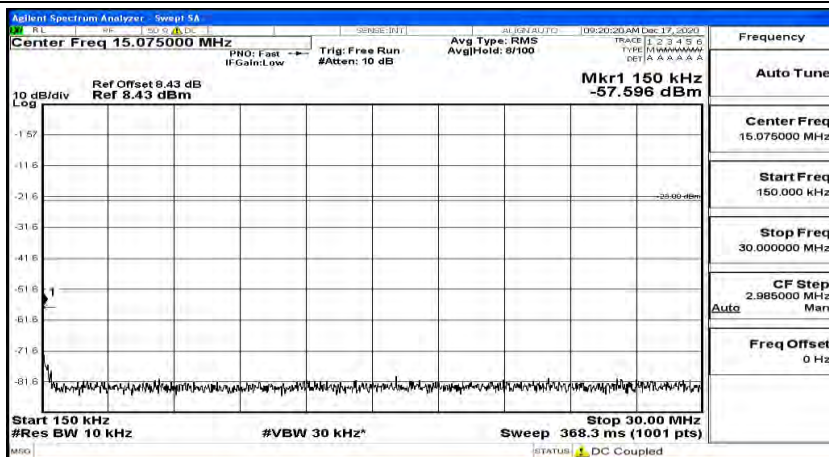
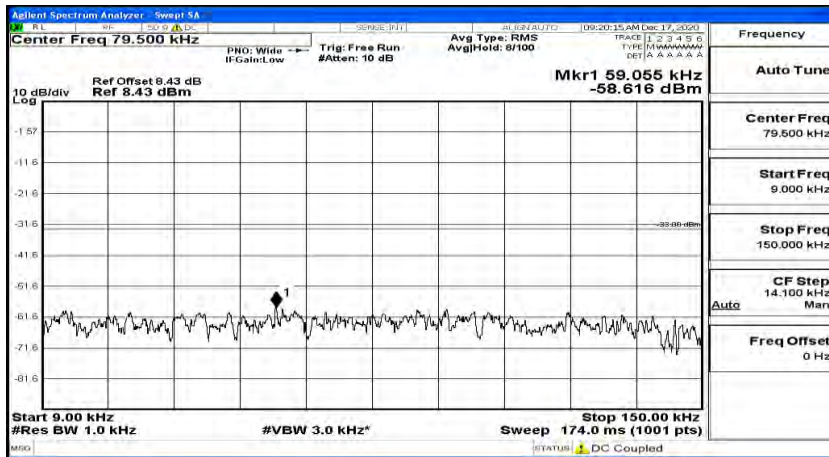


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



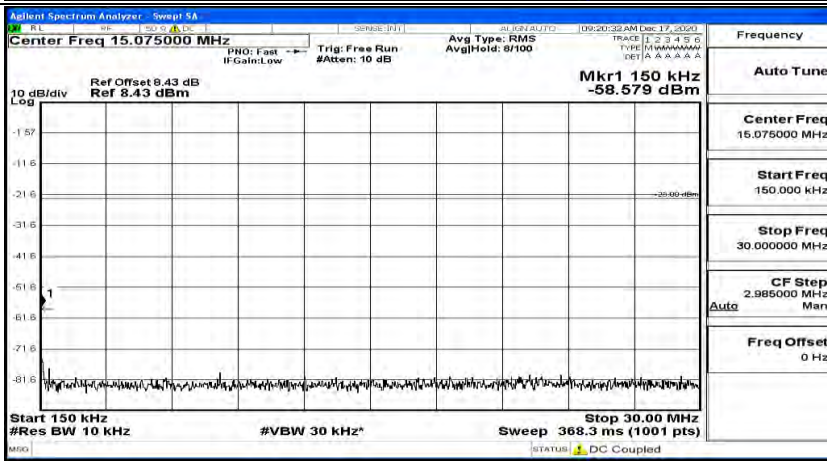
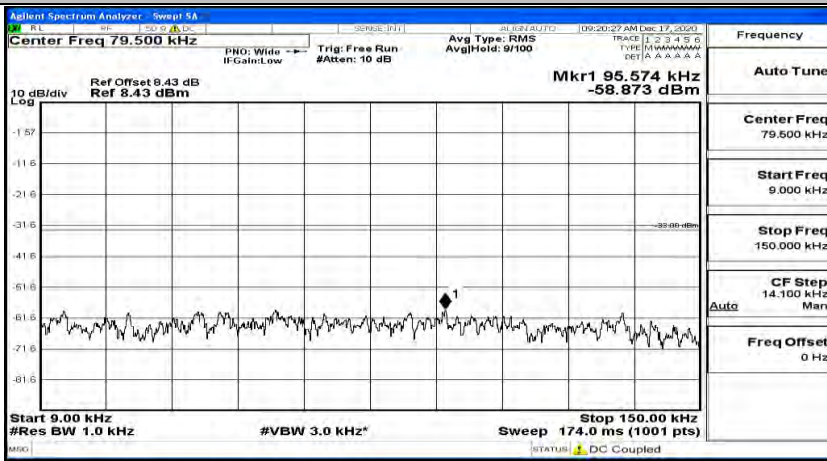


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



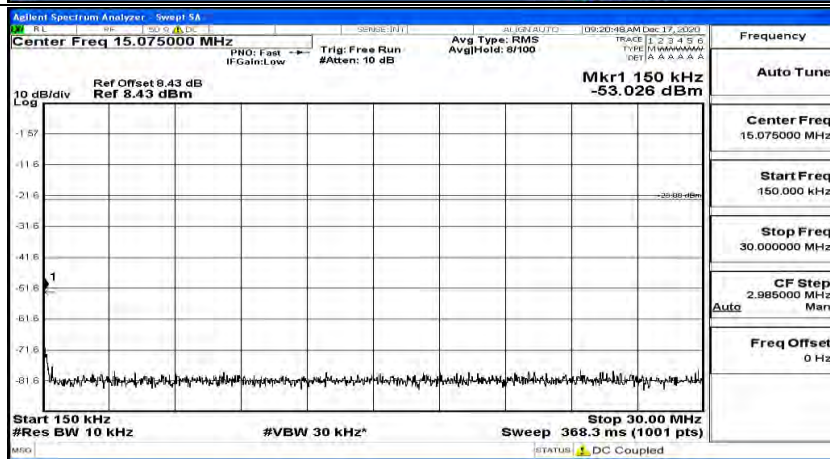
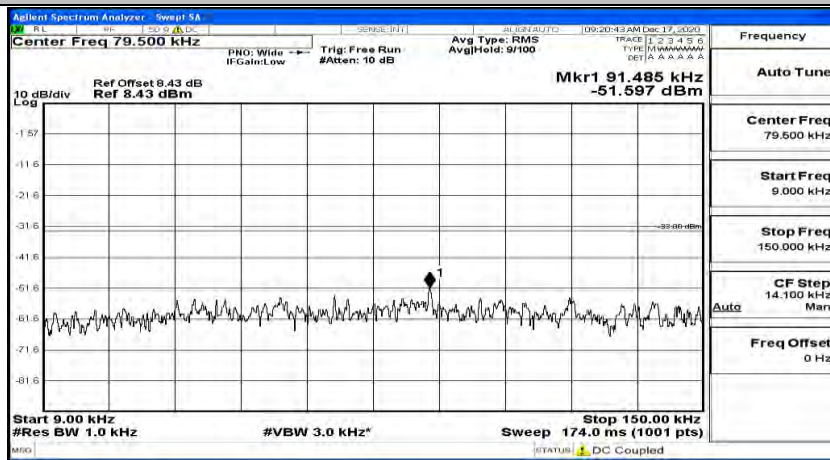


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

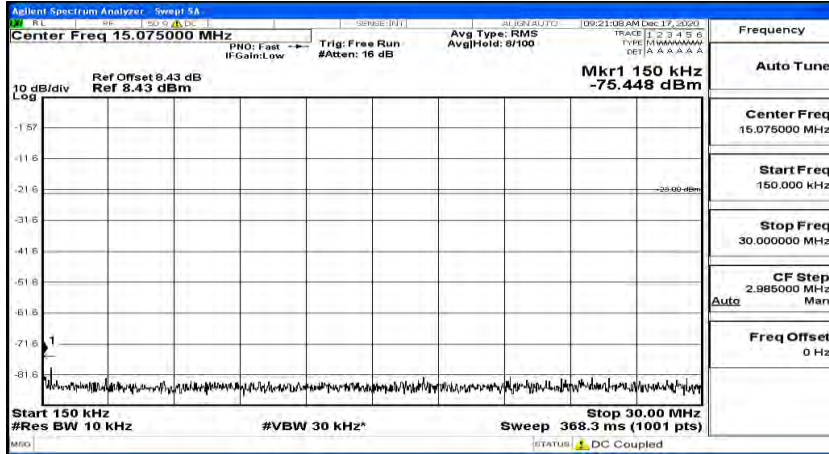
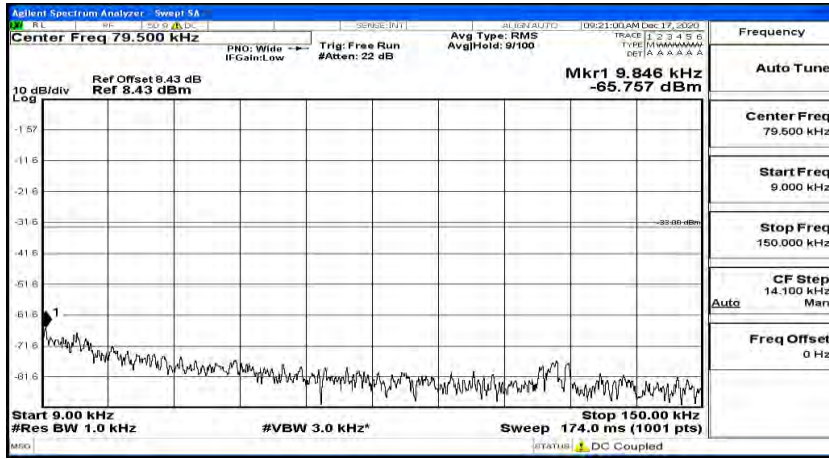


Channel Bandwidth: 3 MHz

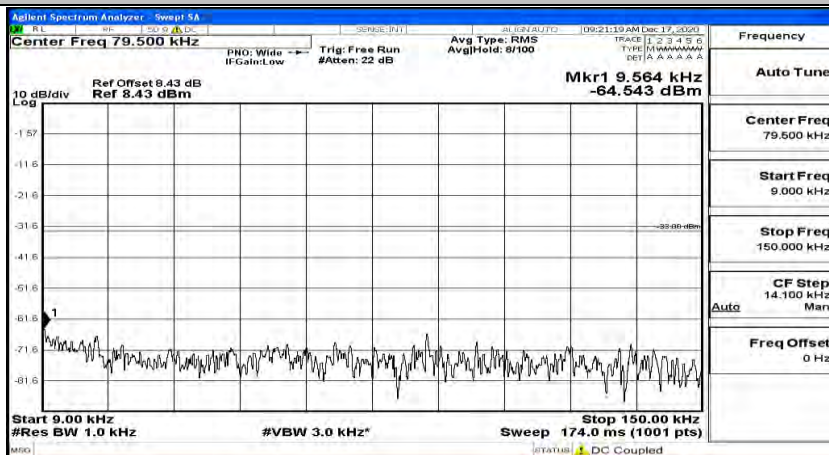
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

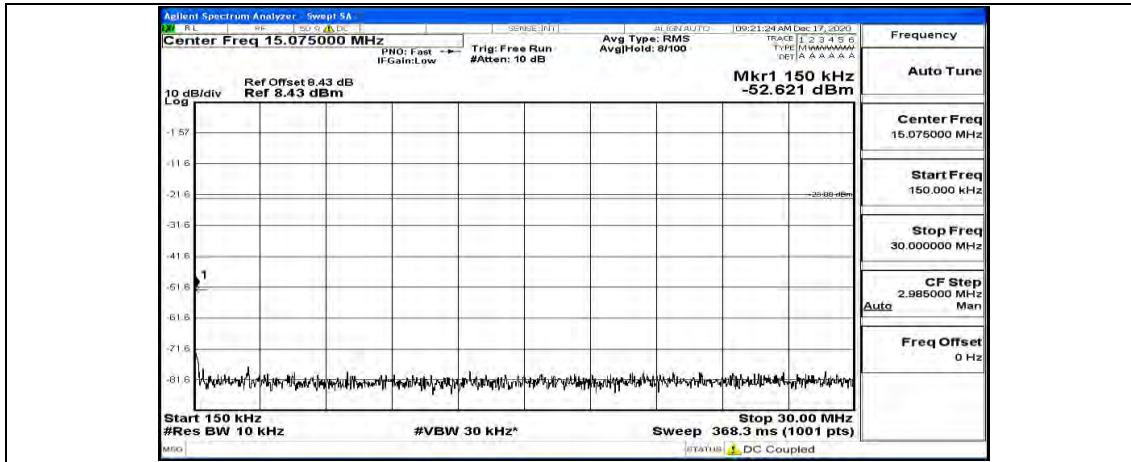


(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

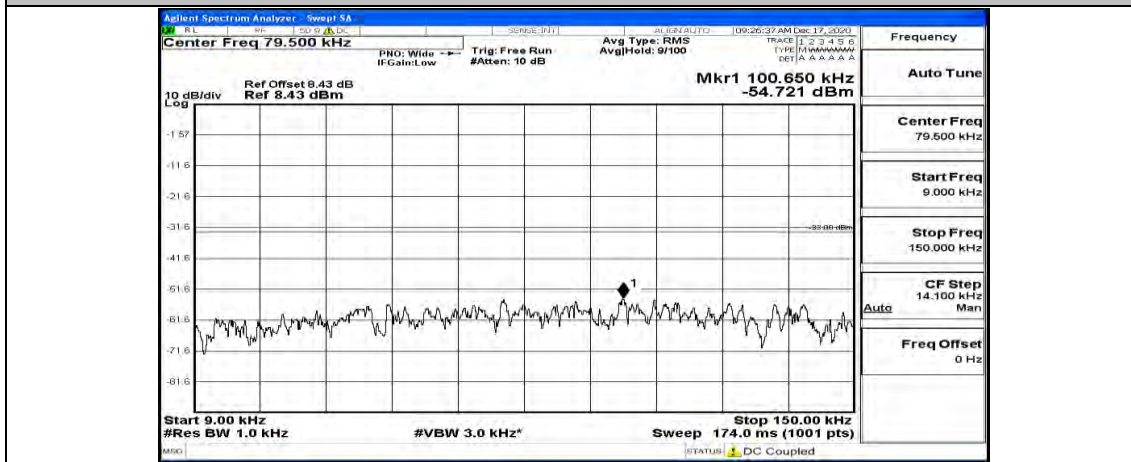


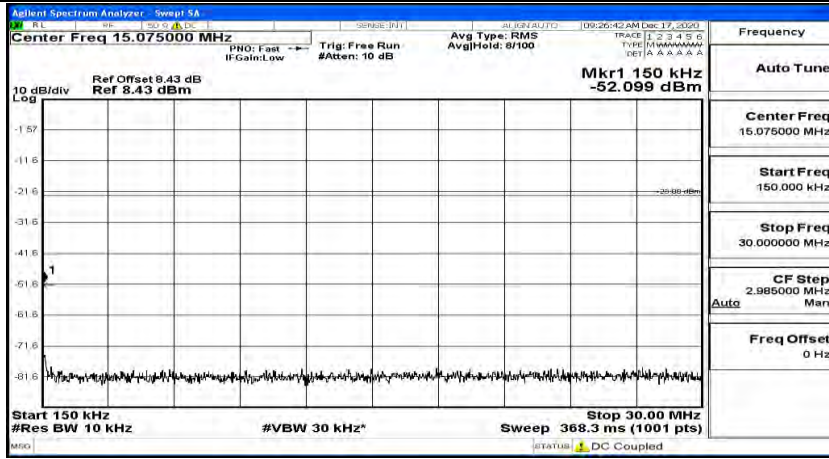
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



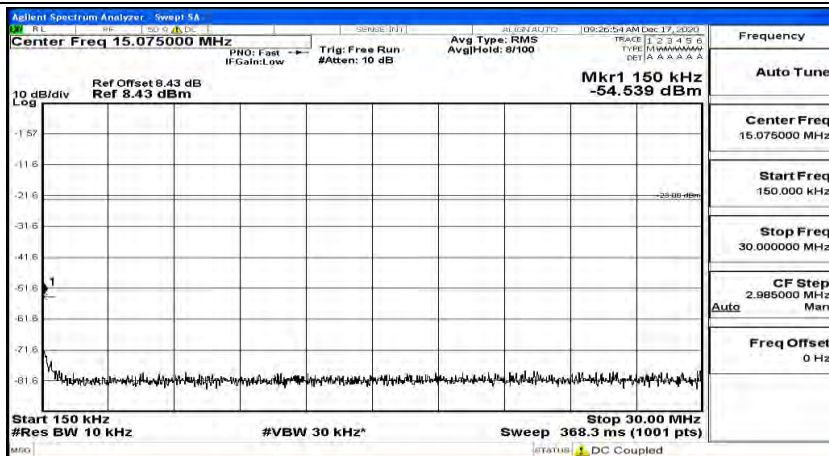
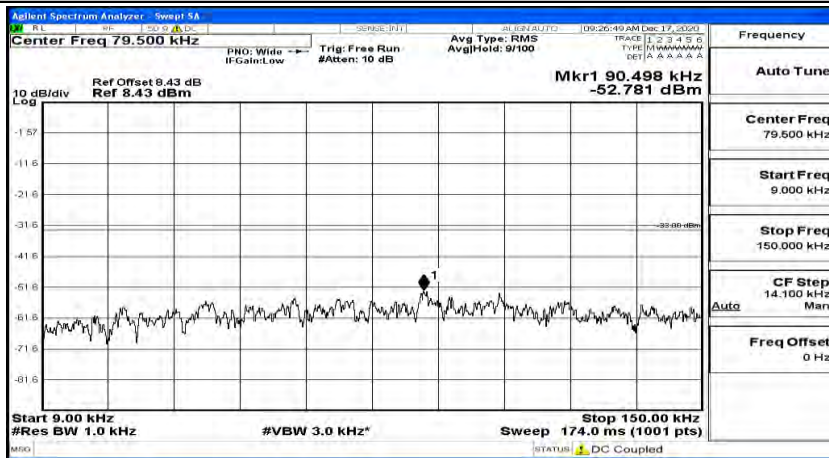


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



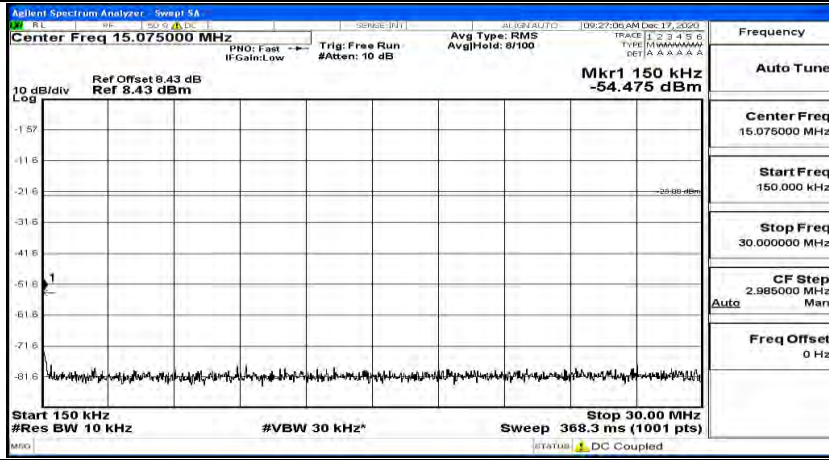


(Channel Bandwidth: 3 MHz) MCH_QPSK_1RB#7

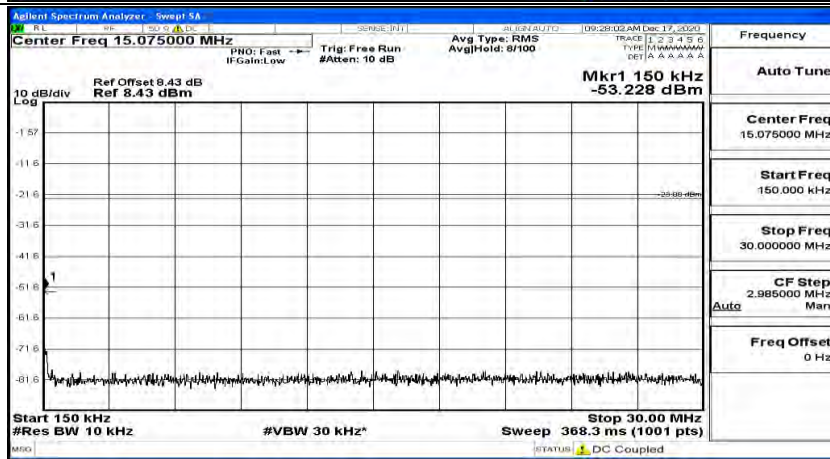
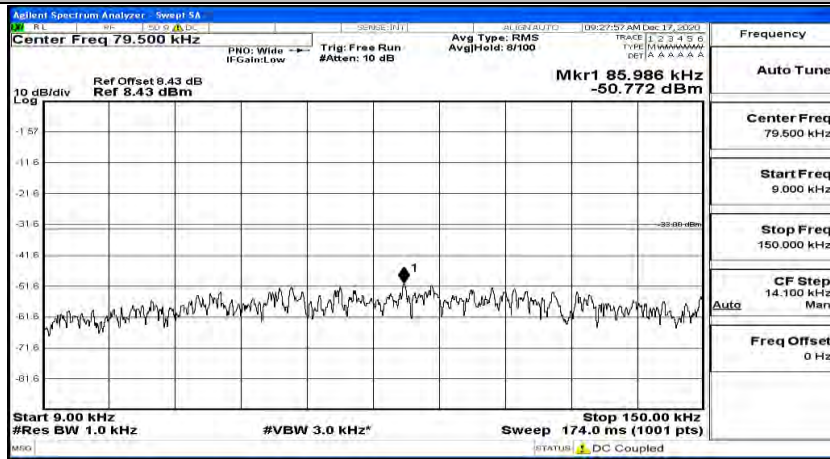




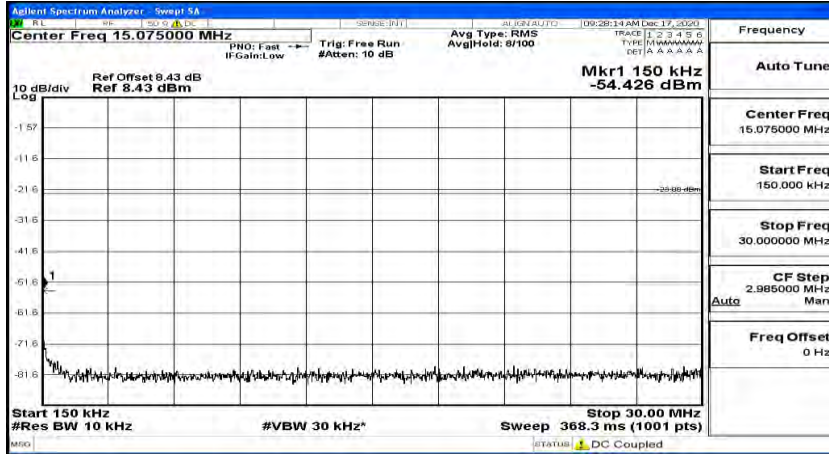
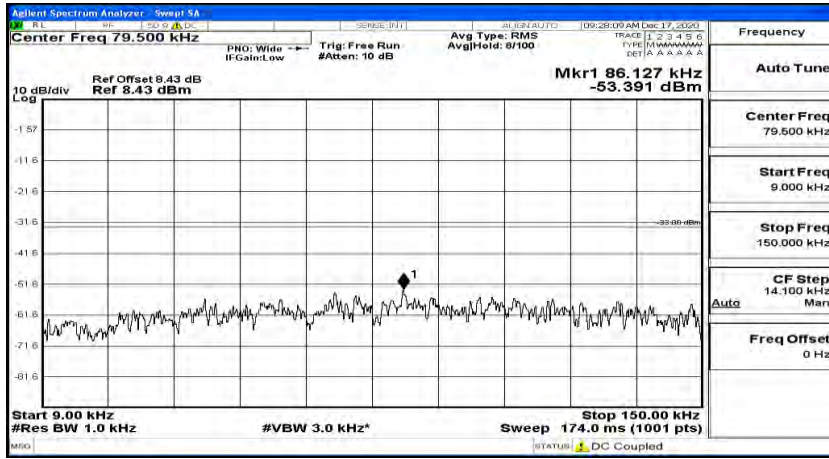
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



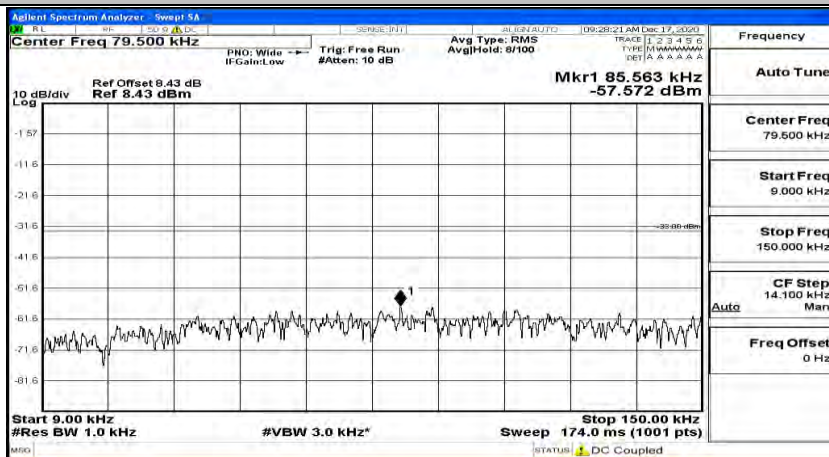
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

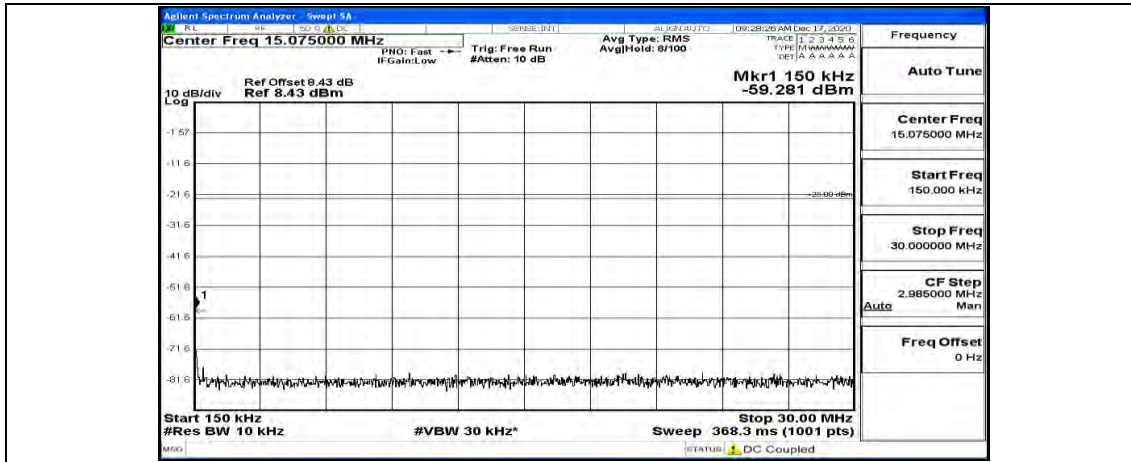


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

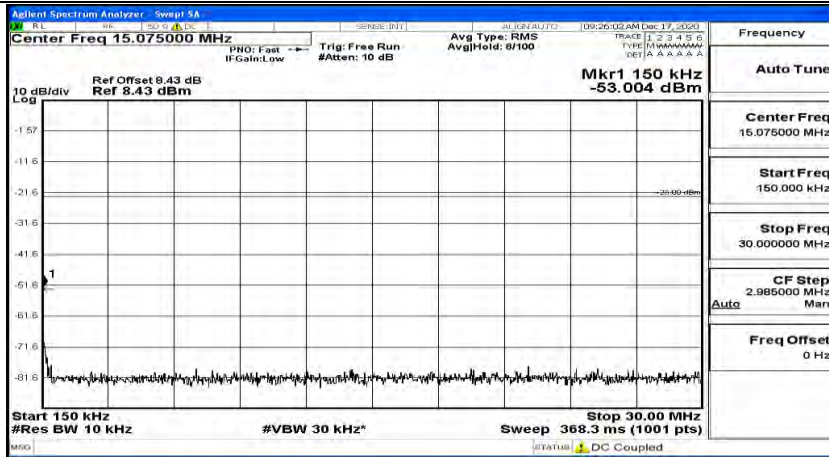
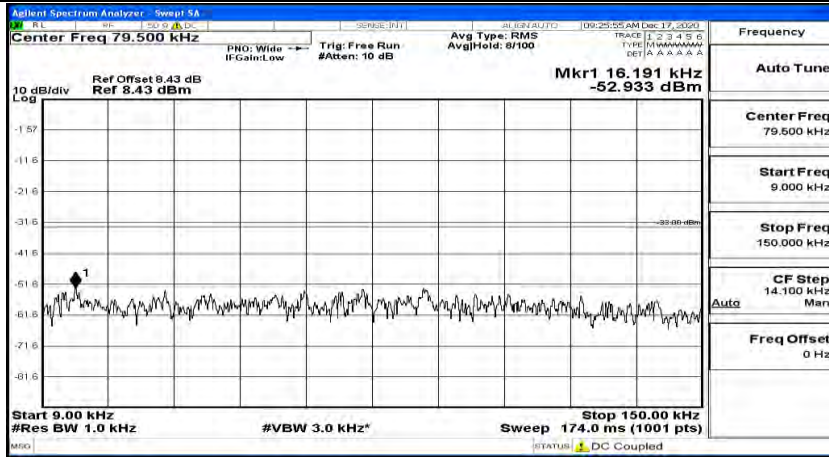


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

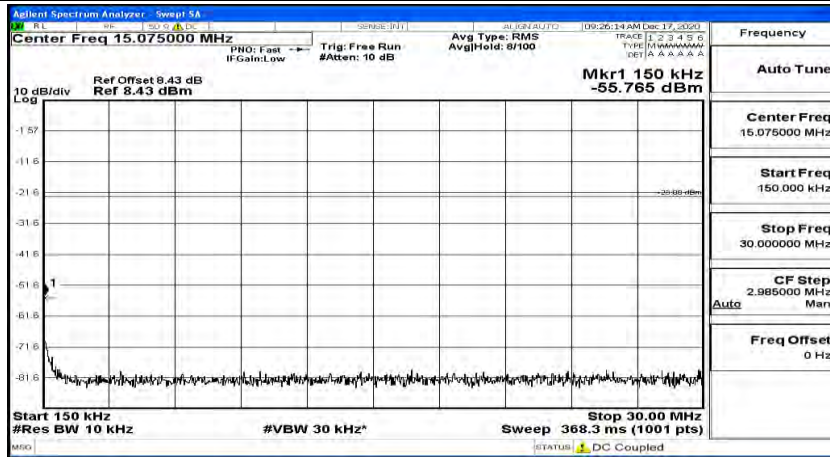
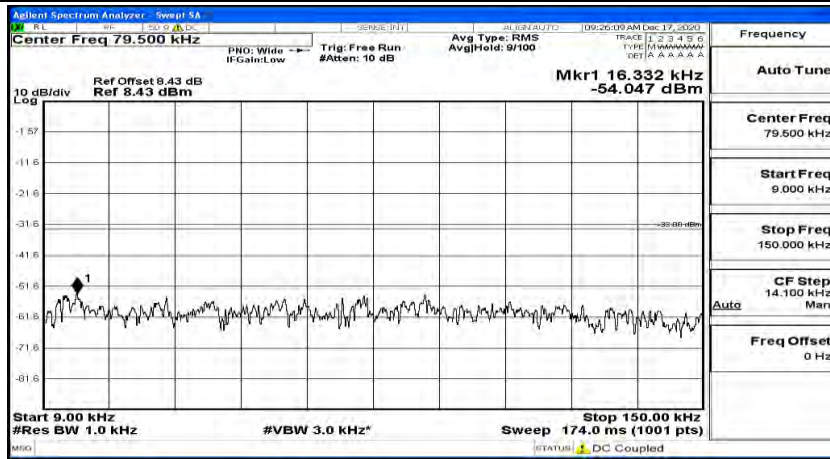




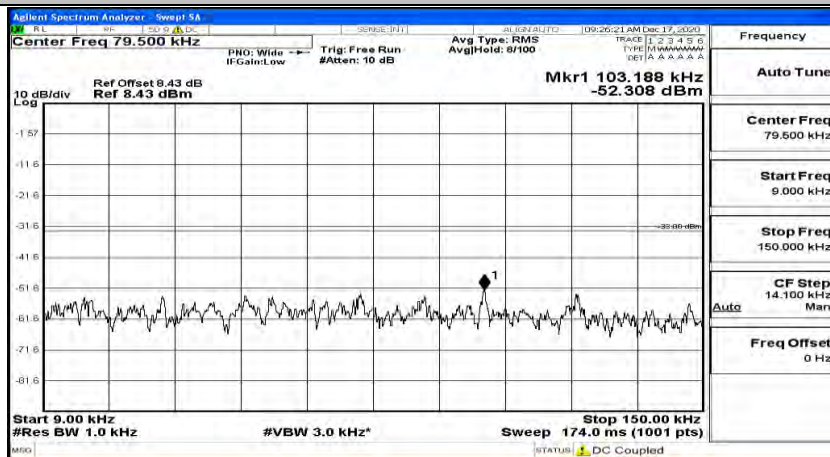
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

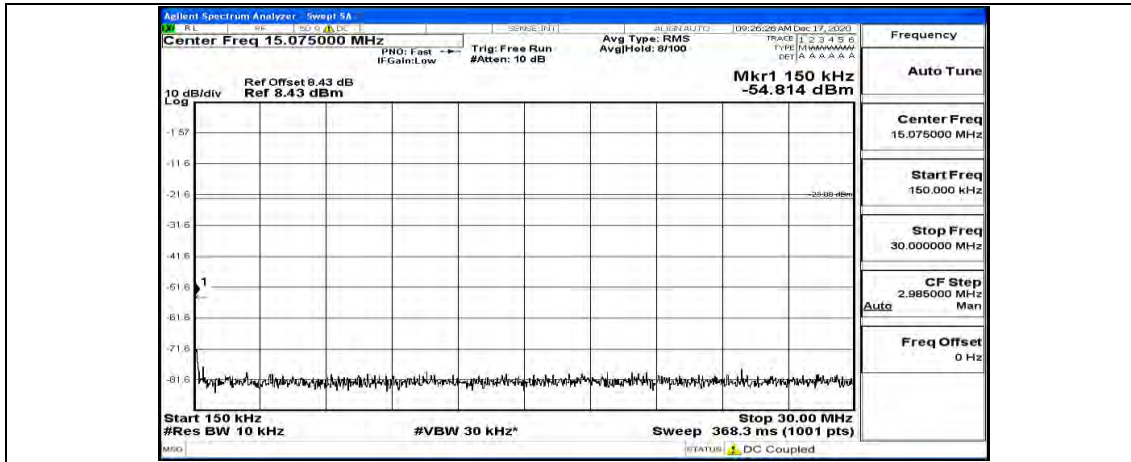


(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

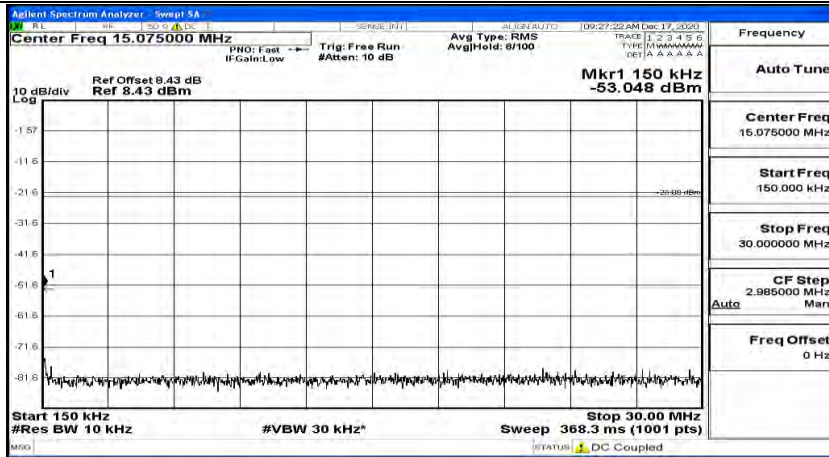
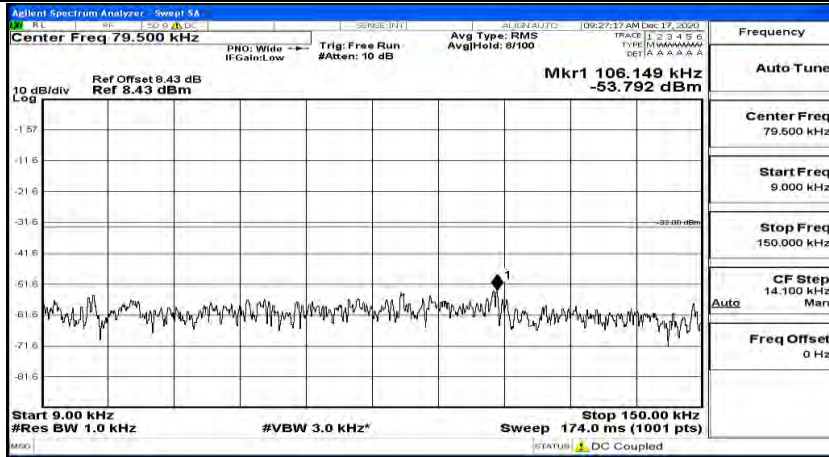


(Channel Bandwidth: 3 MHz) LCH_16QAM_1RB#14

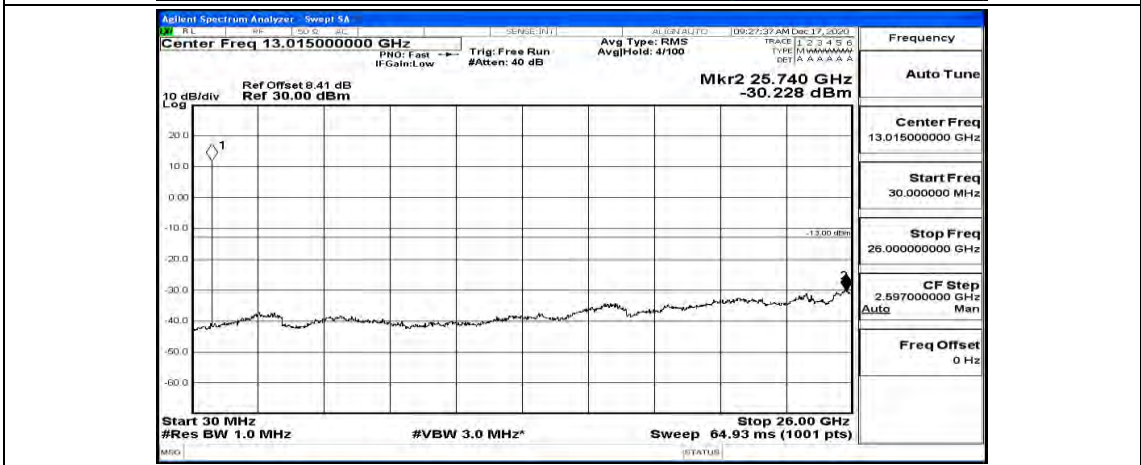
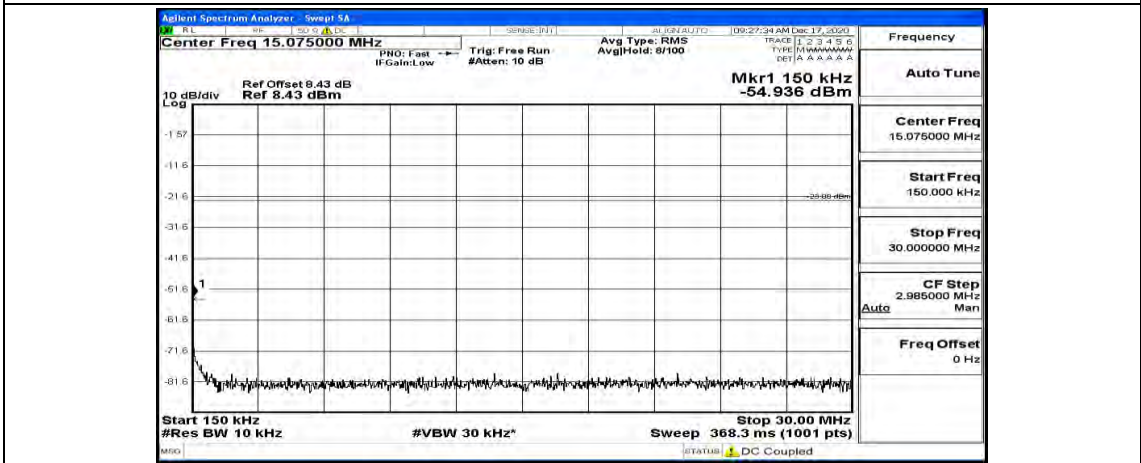
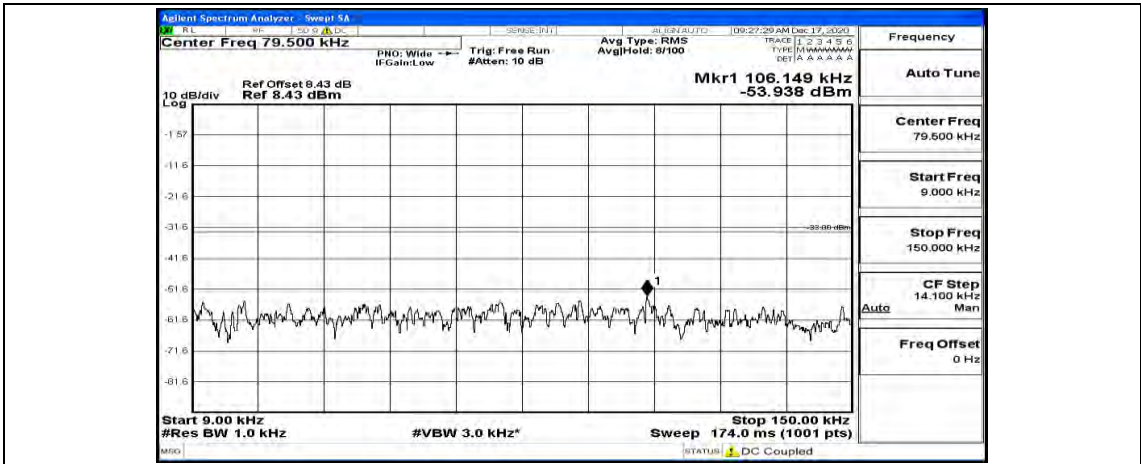




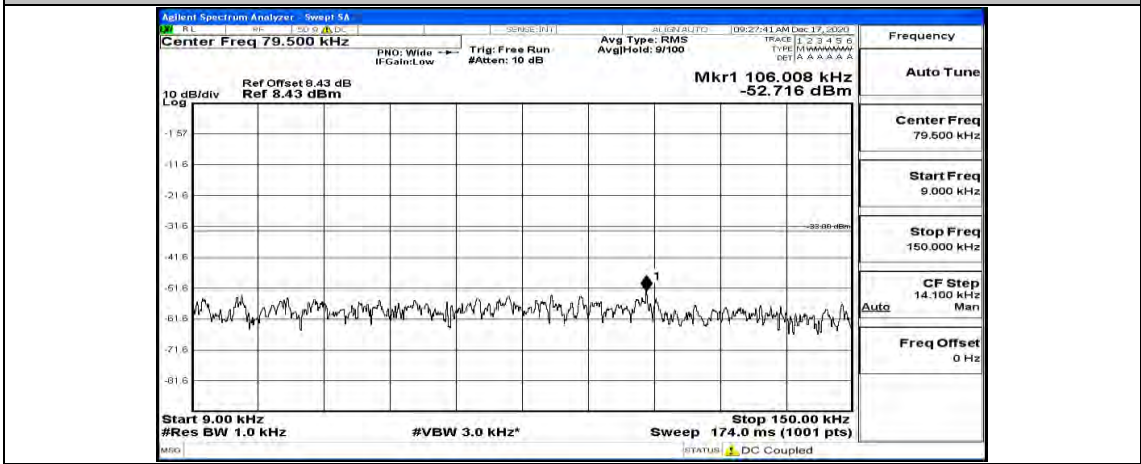
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

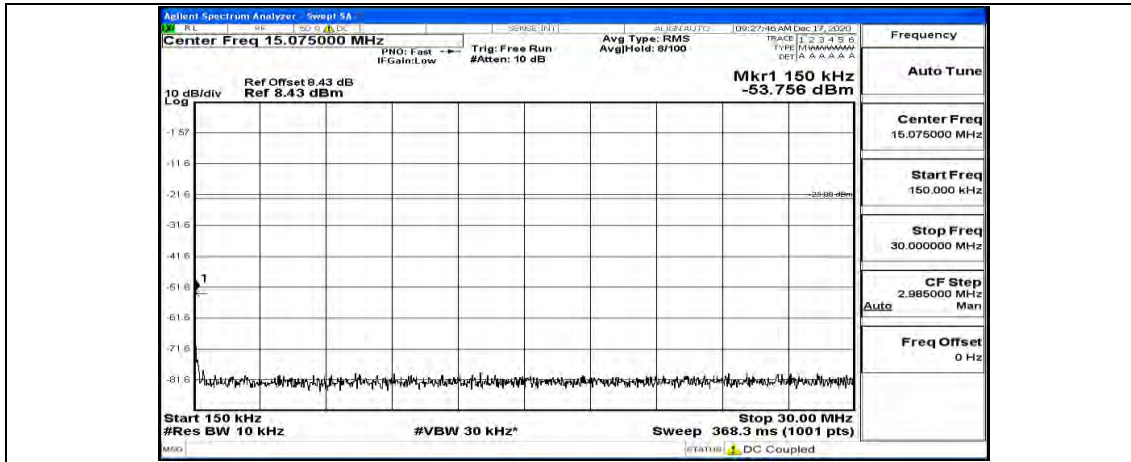


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

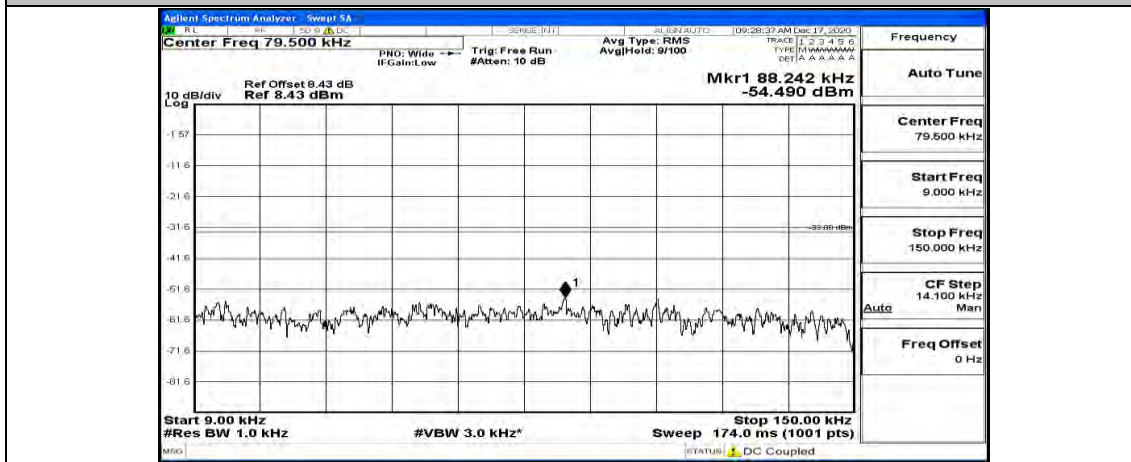


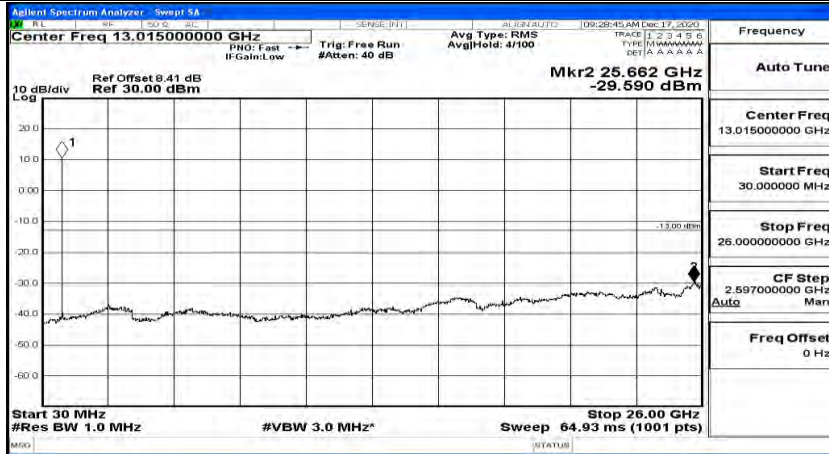
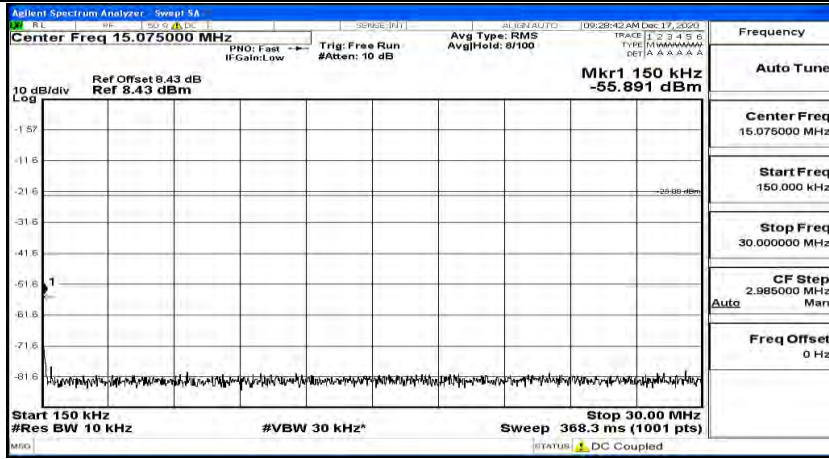
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



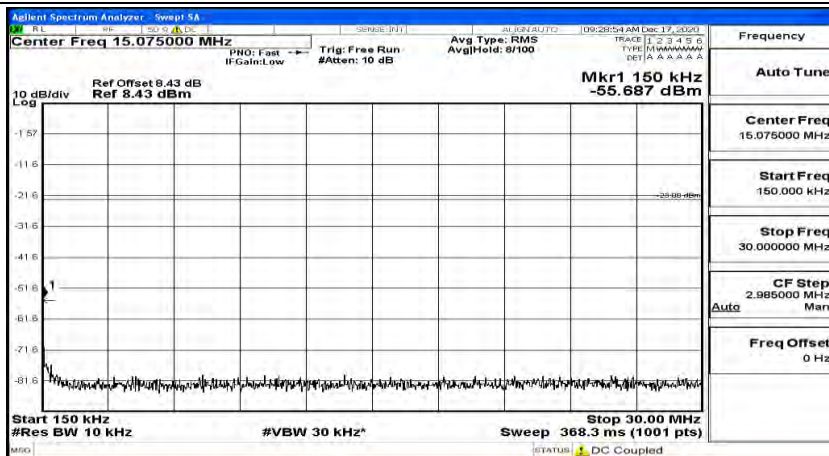
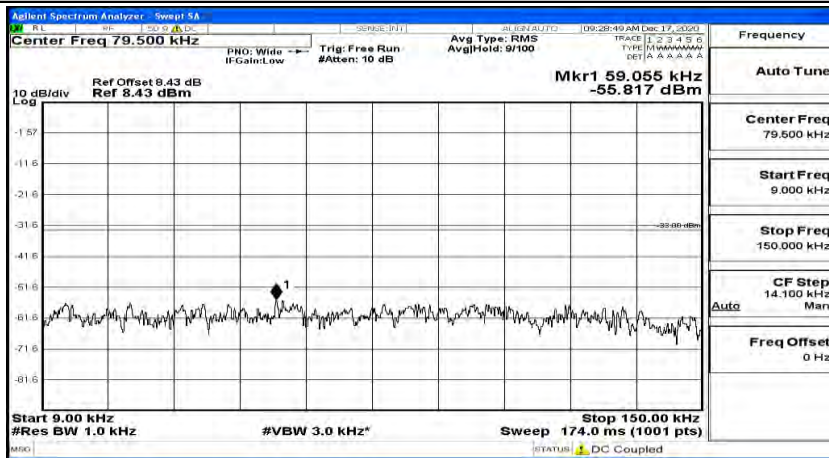


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



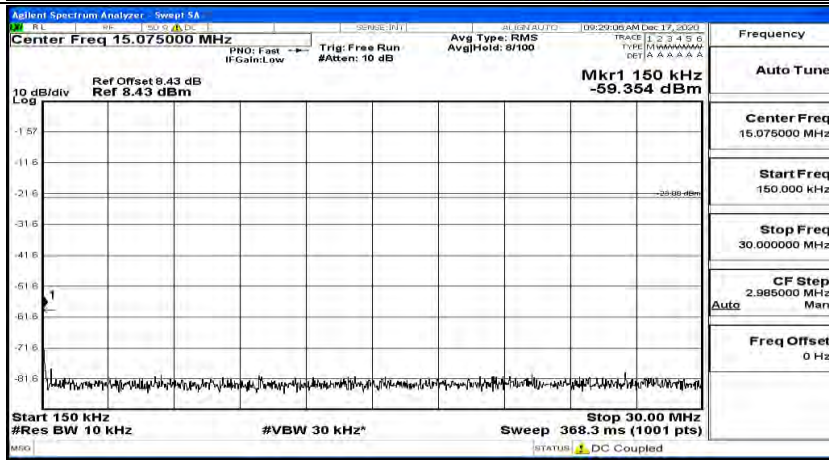
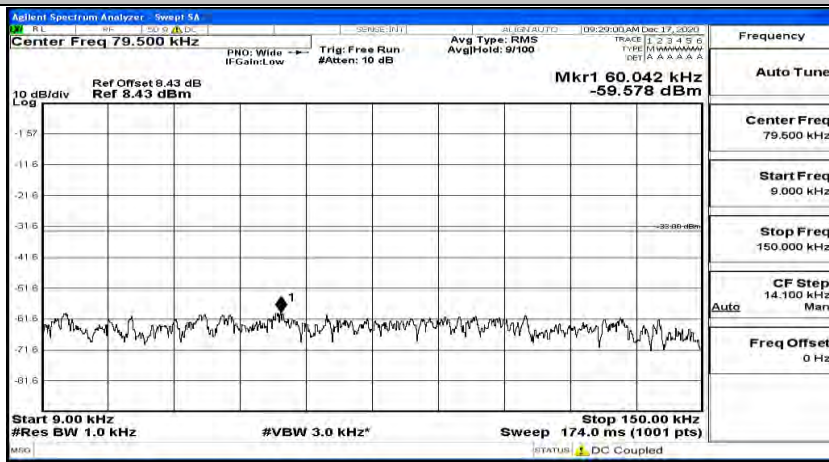


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



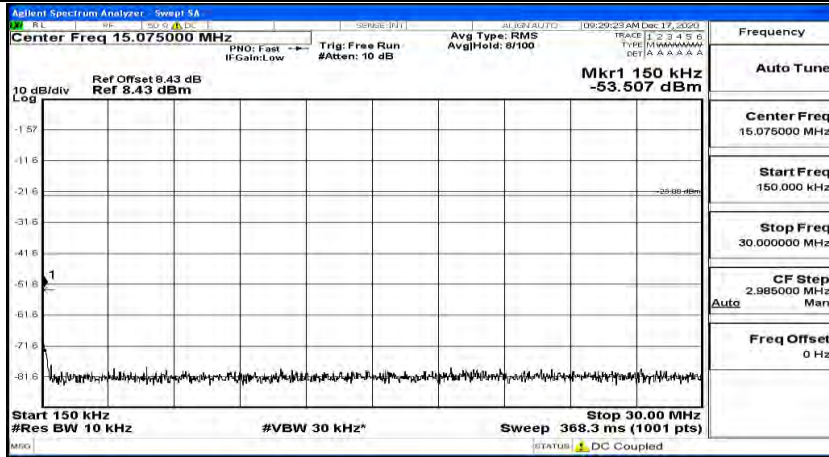
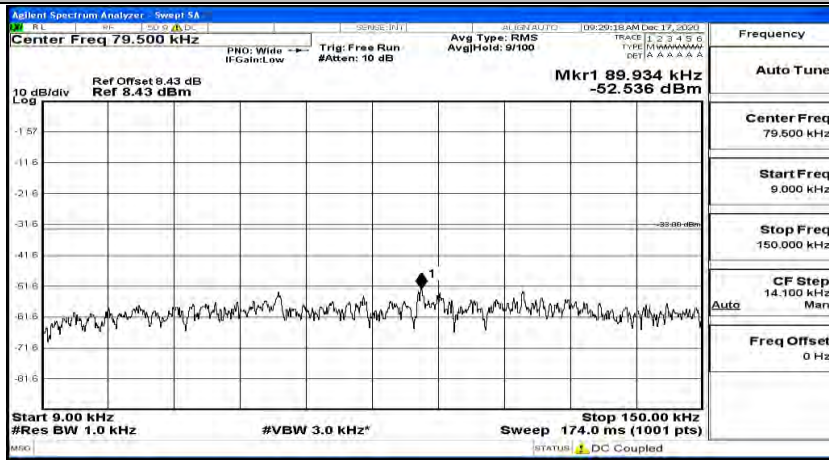


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12