

Appendix D: Test Data for E-UTRA Band 5

Product Name: Tablet

Trade Mark: LAVA & XOLO

Test Model: T81

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Li Huan

D.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	20.54	19.89	PASS
		1	3	20.66	19.88	PASS
		1	5	20.50	19.83	PASS
		3	0	20.63	19.72	PASS
		3	2	20.63	19.71	PASS
		3	3	20.60	19.69	PASS
		6	0	19.52	18.71	PASS
	MCH	1	0	21.36	20.66	PASS
		1	3	21.53	20.88	PASS
		1	5	21.43	20.73	PASS
		3	0	21.46	20.59	PASS
		3	2	21.55	20.69	PASS
		3	3	21.51	20.63	PASS
		6	0	20.44	19.48	PASS
	HCH	1	0	21.42	20.75	PASS
		1	3	21.45	20.94	PASS
		1	5	21.35	20.66	PASS
		3	0	21.54	20.72	PASS
		3	2	21.53	20.68	PASS
		3	3	21.50	20.66	PASS
		6	0	20.42	19.49	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	20.57	19.91	PASS
		1	7	20.84	20.11	PASS
		1	14	20.59	19.91	PASS
		8	0	19.52	18.66	PASS
		8	4	19.55	18.71	PASS
		8	7	19.52	18.61	PASS
		15	0	19.51	18.53	PASS
	MCH	1	0	21.28	20.70	PASS
		1	7	21.66	21.11	PASS
		1	14	21.50	20.94	PASS
		8	0	20.33	19.41	PASS
		8	4	20.44	19.51	PASS
		8	7	20.43	19.51	PASS
		15	0	20.36	19.41	PASS
	HCH	1	0	21.62	20.97	PASS
		1	7	21.86	21.08	PASS
		1	14	21.38	20.69	PASS
		8	0	20.54	19.67	PASS
		8	4	20.51	19.69	PASS
		8	7	20.41	19.57	PASS
		15	0	20.48	19.57	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	20.53	19.84	PASS
		1	12	20.87	20.27	PASS
		1	24	20.64	19.93	PASS
		12	0	19.53	18.64	PASS
		12	6	19.58	18.69	PASS
		12	13	19.54	18.69	PASS
		25	0	19.54	18.63	PASS
	MCH	1	0	21.12	20.47	PASS
		1	12	21.70	20.83	PASS
		1	24	21.48	20.86	PASS
		12	0	20.27	19.46	PASS
		12	6	20.44	19.58	PASS
		12	13	20.43	19.64	PASS
		25	0	20.41	19.47	PASS
	HCH	1	0	21.76	21.05	PASS
		1	12	21.96	21.22	PASS
		1	24	21.37	20.68	PASS
		12	0	20.74	19.81	PASS
		12	6	20.66	19.79	PASS
		12	13	20.46	19.62	PASS
		25	0	20.61	19.72	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	20.54	19.88	PASS
		1	24	20.87	20.20	PASS
		1	49	21.15	20.51	PASS
		25	0	19.71	18.79	PASS
		25	12	19.72	18.82	PASS
		25	25	20.01	19.10	PASS
		50	0	19.78	18.85	PASS
	MCH	1	0	20.93	20.41	PASS
		1	24	21.56	21.02	PASS
		1	49	21.78	21.21	PASS
		25	0	20.23	19.32	PASS
		25	12	20.41	19.51	PASS
		25	25	20.60	19.72	PASS
		50	0	20.34	19.47	PASS
	HCH	1	0	21.77	21.15	PASS
		1	24	21.93	21.28	PASS
		1	49	21.42	20.81	PASS
		25	0	21.01	20.12	PASS
		25	12	20.85	19.93	PASS
		25	25	20.63	19.77	PASS
		50	0	20.81	19.85	PASS

D.2 Peak-to-Average Ratio

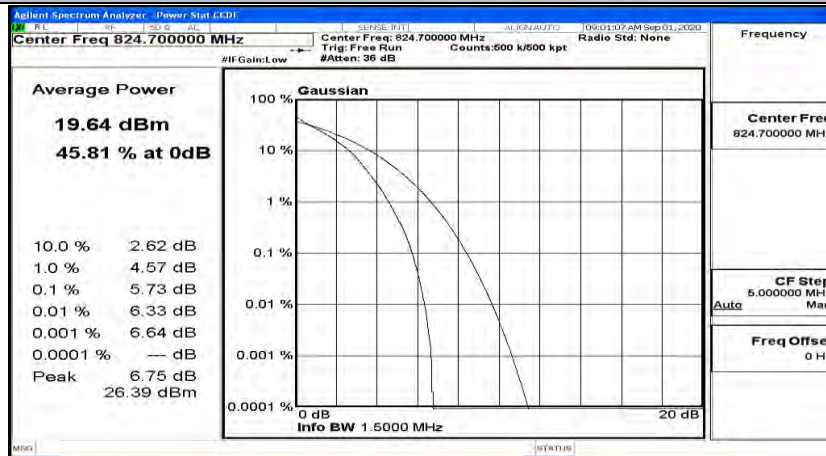
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.73	<13	PASS
	MCH	5.65	<13	PASS
	HCH	6.03	<13	PASS
16QAM	LCH	6.61	<13	PASS
	MCH	6.6	<13	PASS
	HCH	7.06	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.79	<13	PASS
	MCH	5.8	<13	PASS
	HCH	5.95	<13	PASS
16QAM	LCH	6.69	<13	PASS
	MCH	6.51	<13	PASS
	HCH	6.92	<13	PASS

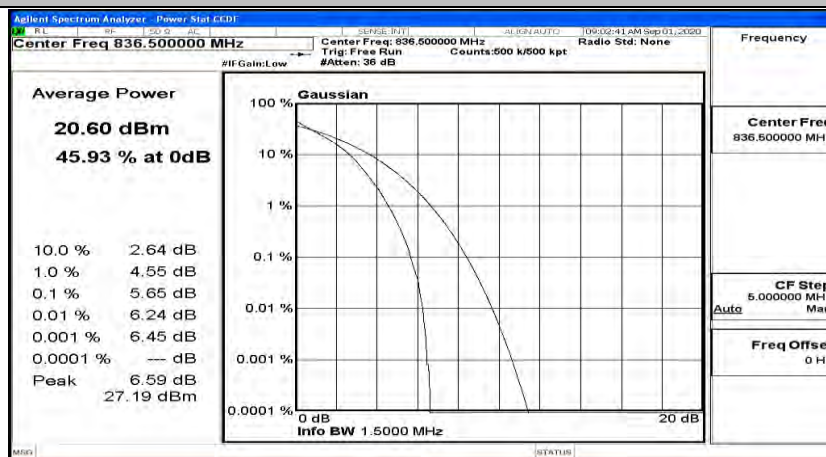
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.89	<13	PASS
	MCH	5.76	<13	PASS
	HCH	6.02	<13	PASS
16QAM	LCH	6.55	<13	PASS
	MCH	6.51	<13	PASS
	HCH	6.68	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.91	<13	PASS
	MCH	5.77	<13	PASS
	HCH	5.81	<13	PASS
16QAM	LCH	6.6	<13	PASS
	MCH	6.48	<13	PASS
	HCH	6.6	<13	PASS

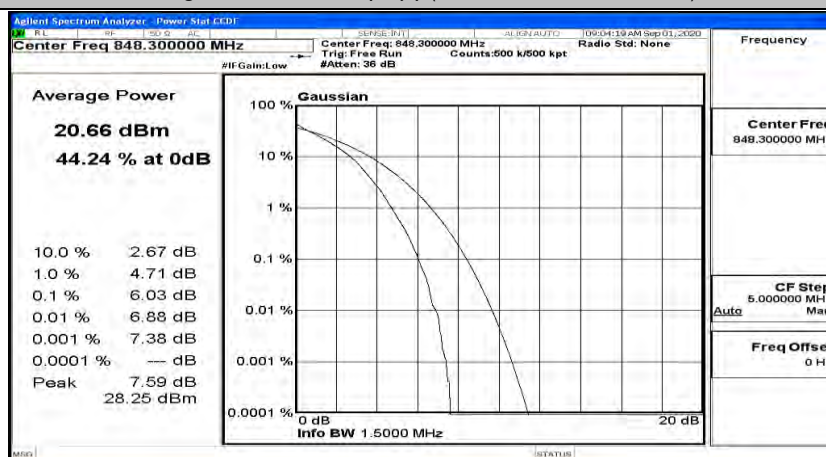
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



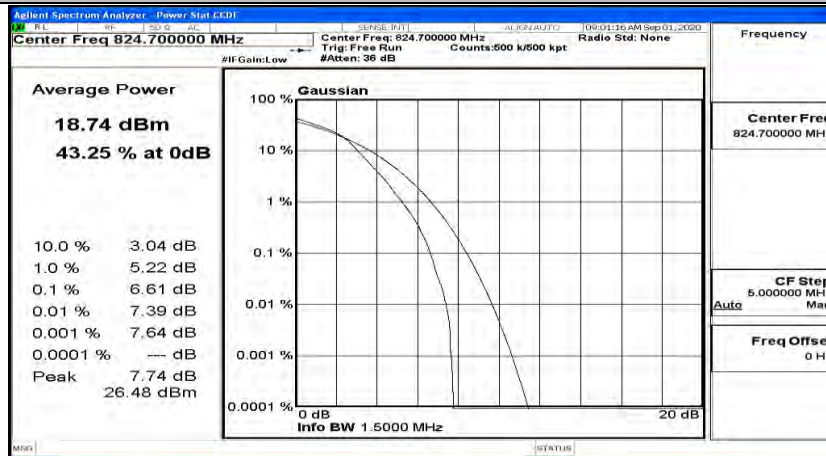
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



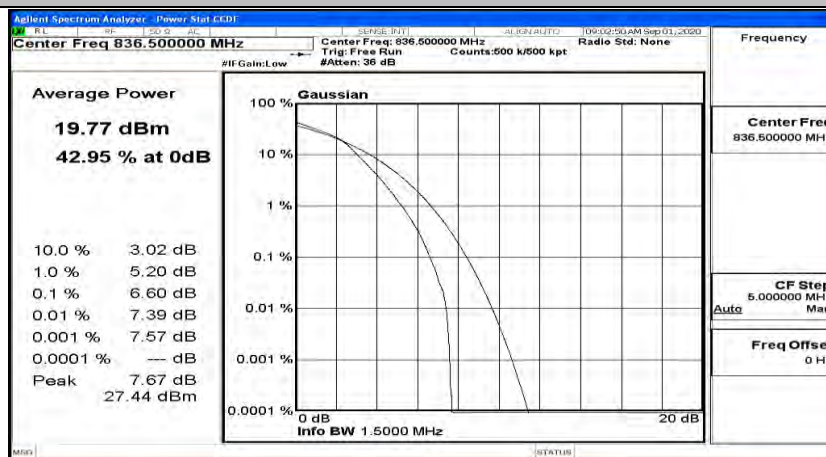
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



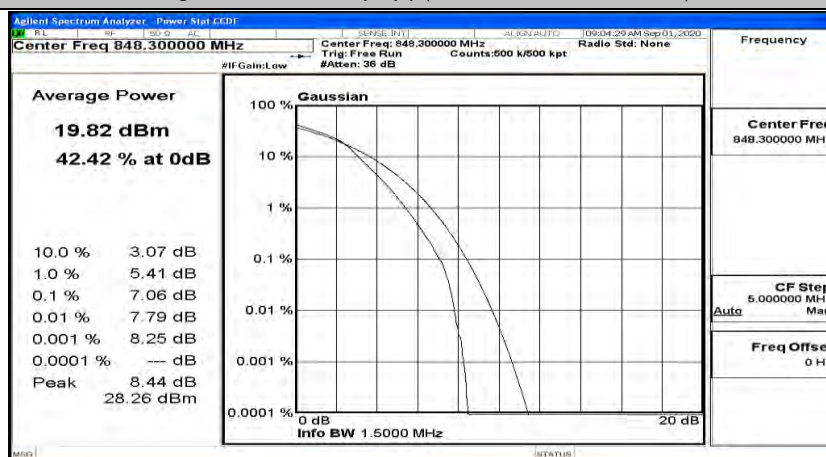
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



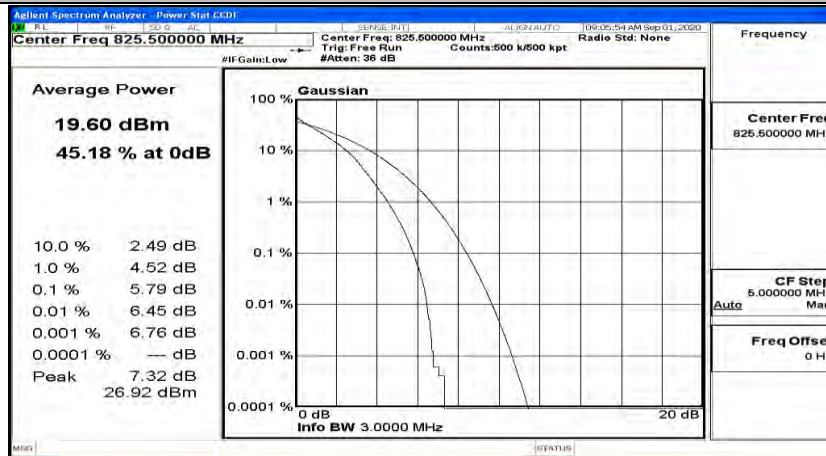
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



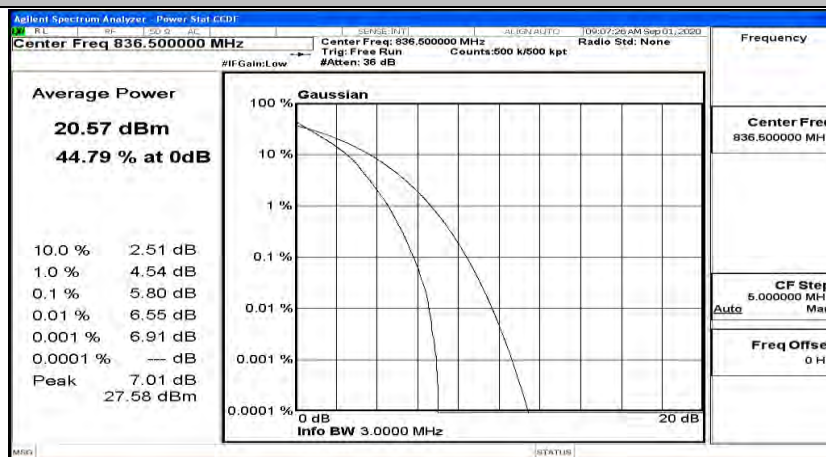
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



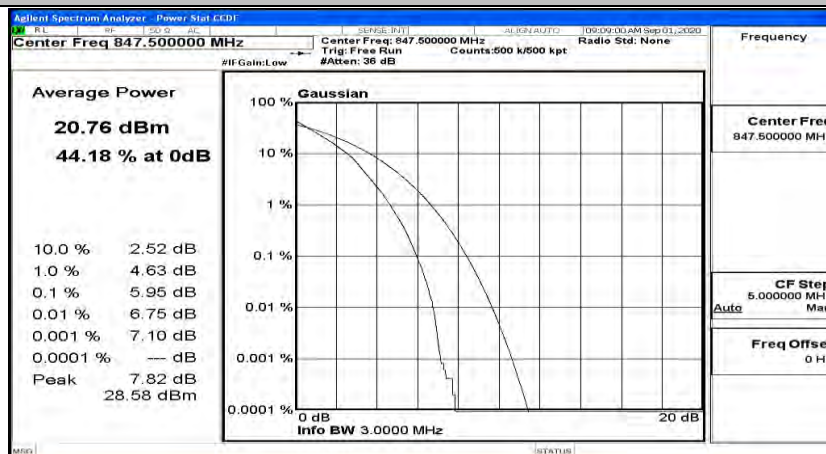
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



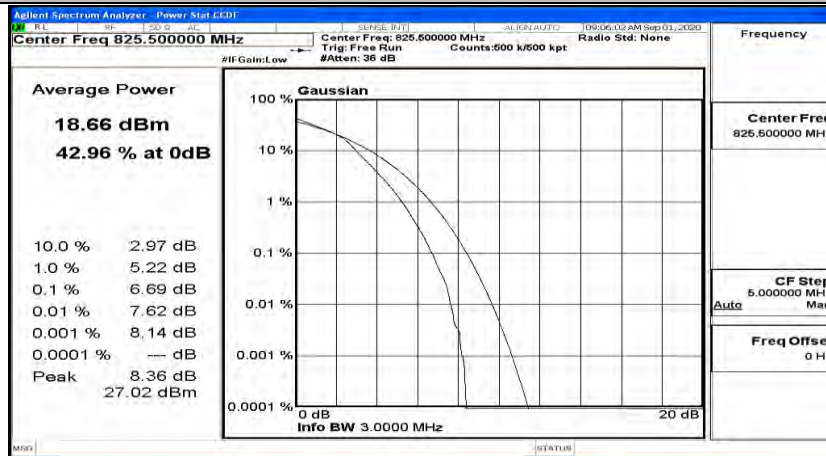
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



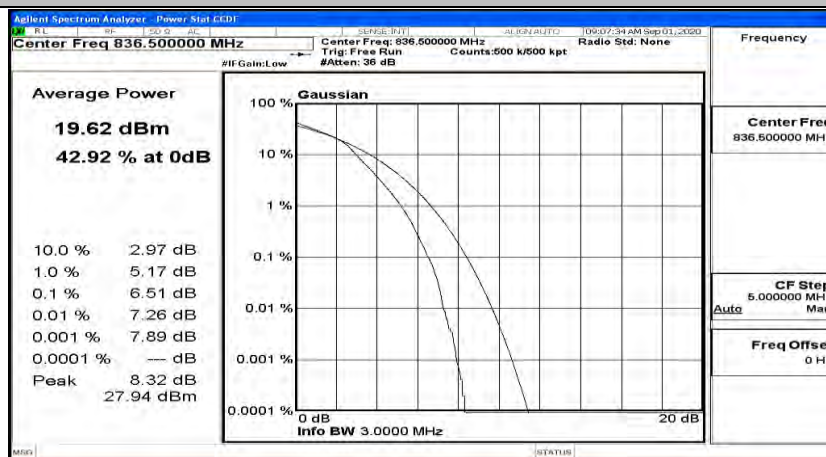
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



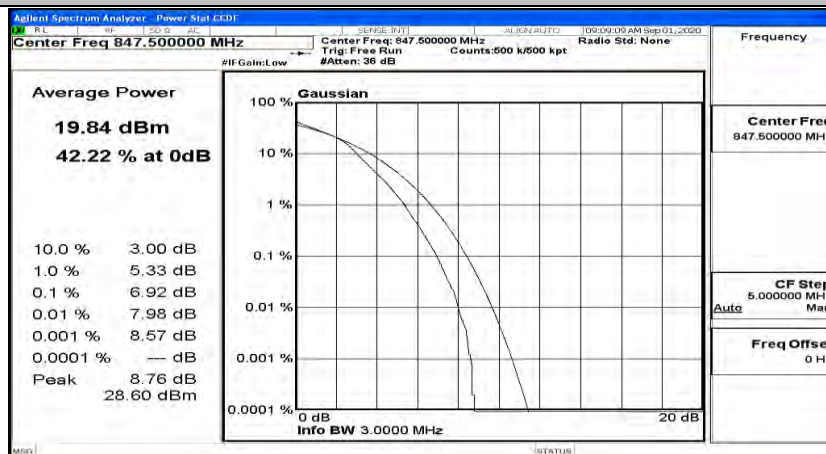
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



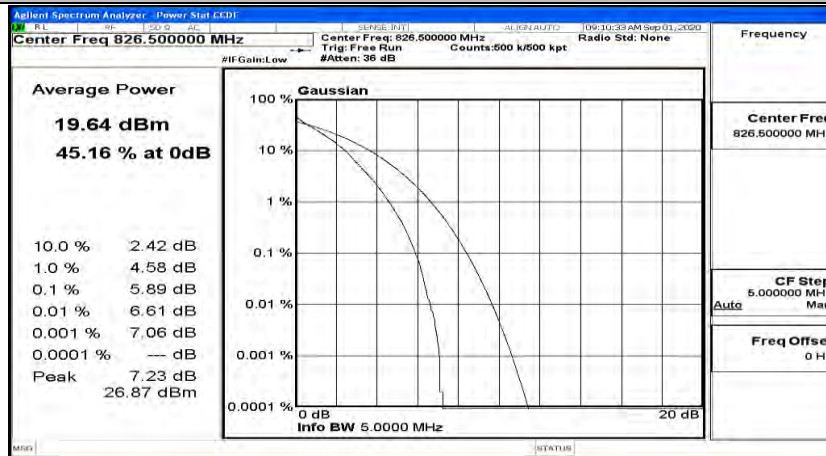
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



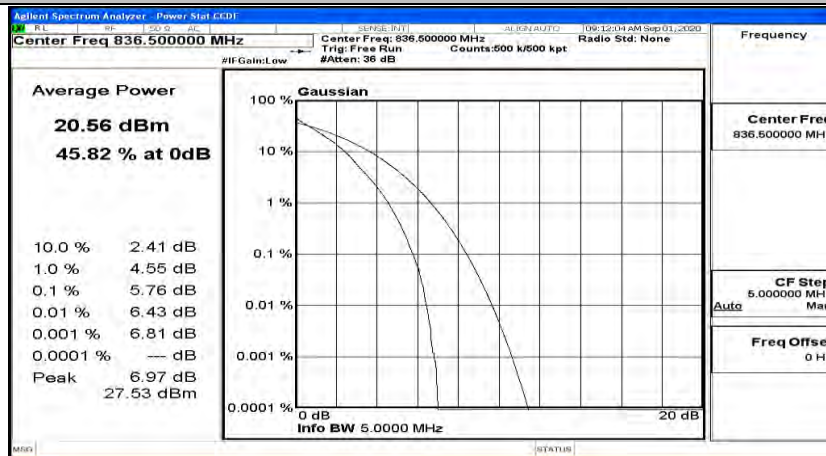
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



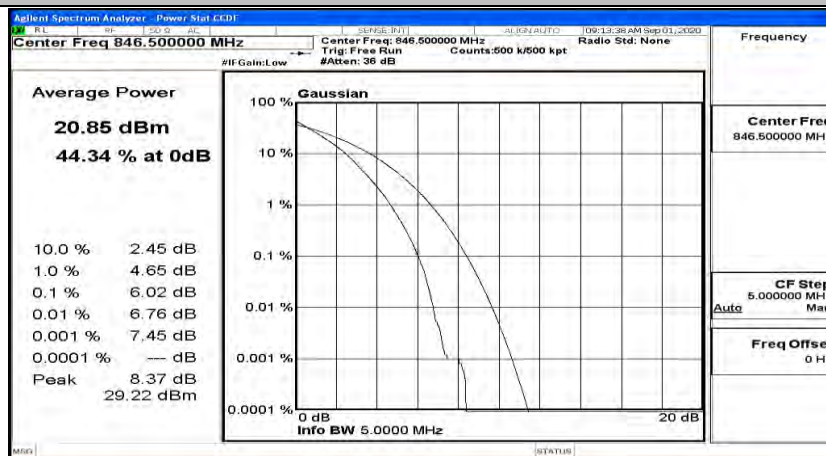
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



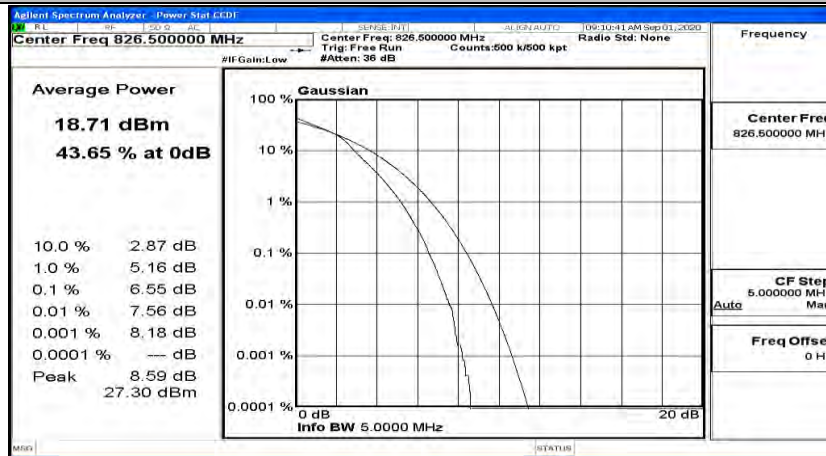
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



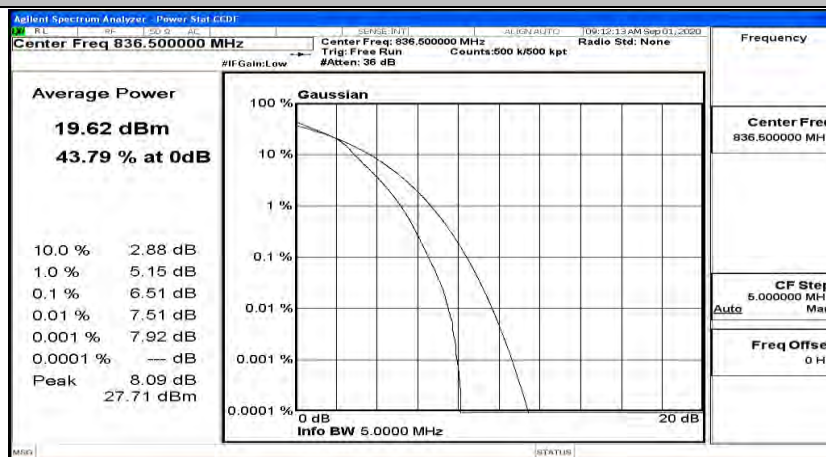
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



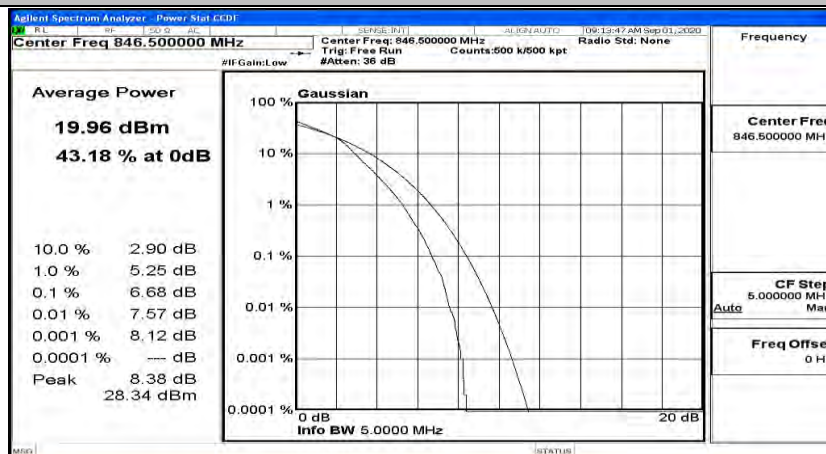
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



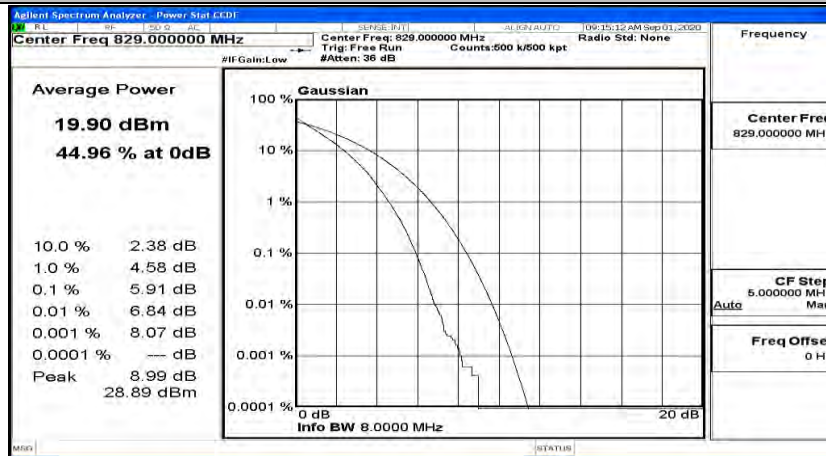
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



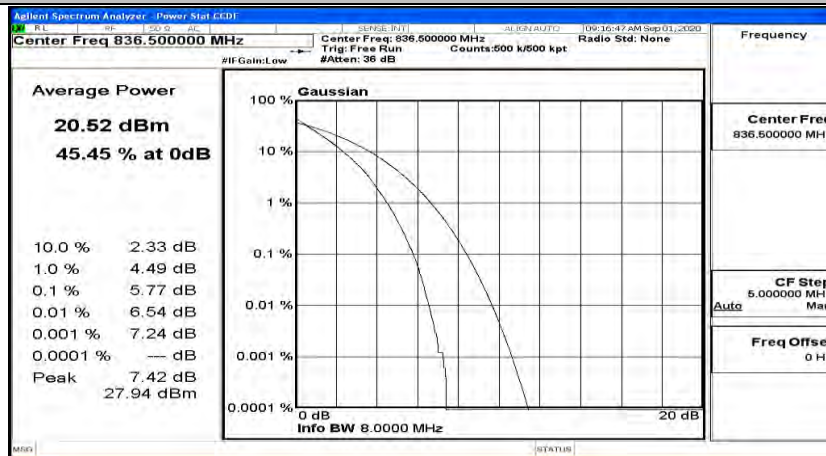
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



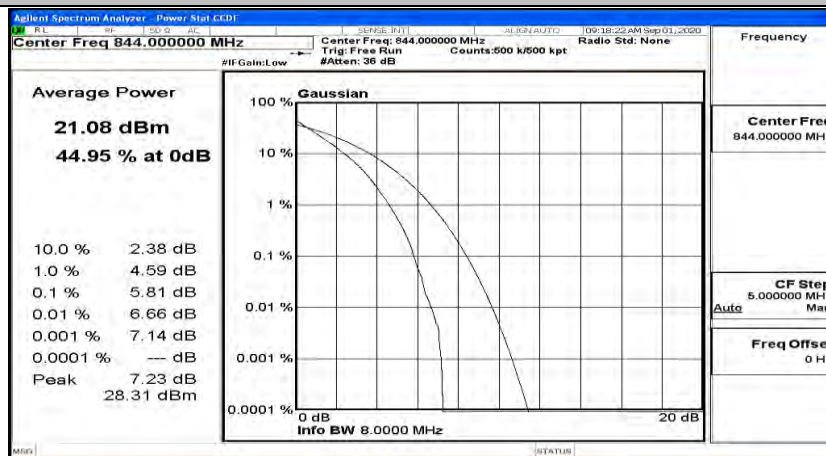
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



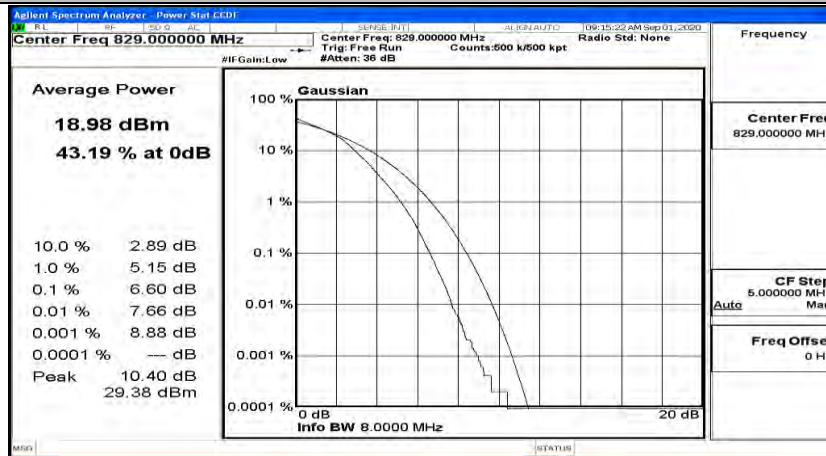
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



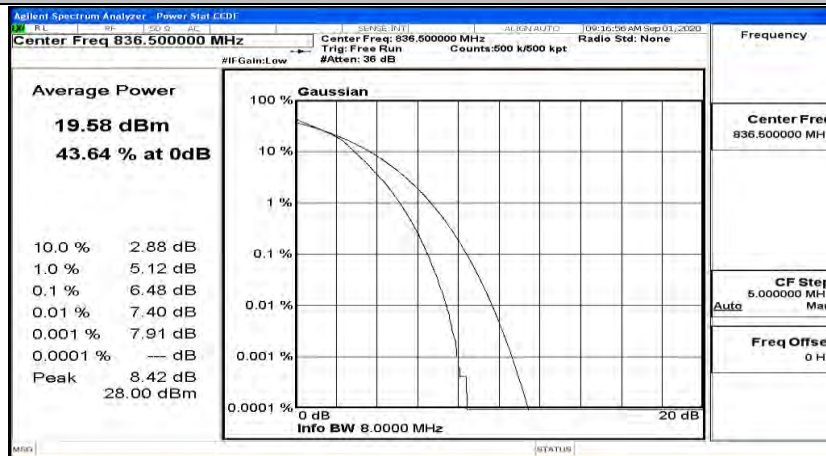
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



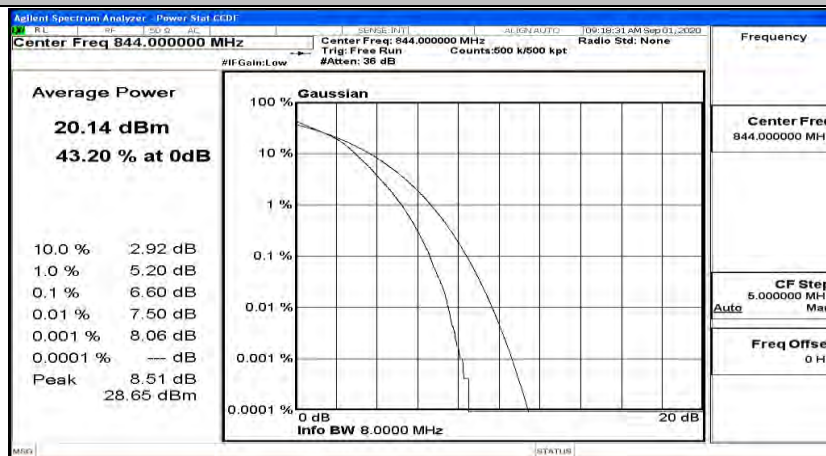
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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



D.3 26dB Bandwidth and Occupied Bandwidth

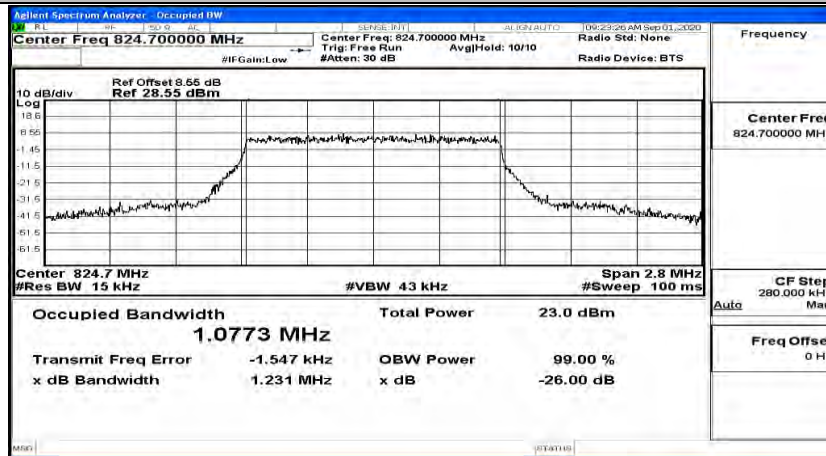
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0773	1.231	PASS
	MCH	1.0742	1.227	PASS
	HCH	1.0730	1.219	PASS
16QAM	LCH	1.0769	1.229	PASS
	MCH	1.0782	1.237	PASS
	HCH	1.0788	1.231	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6783	2.835	PASS
	MCH	2.6777	2.826	PASS
	HCH	2.6790	2.820	PASS
16QAM	LCH	2.6796	2.825	PASS
	MCH	2.6815	2.833	PASS
	HCH	2.6761	2.831	PASS

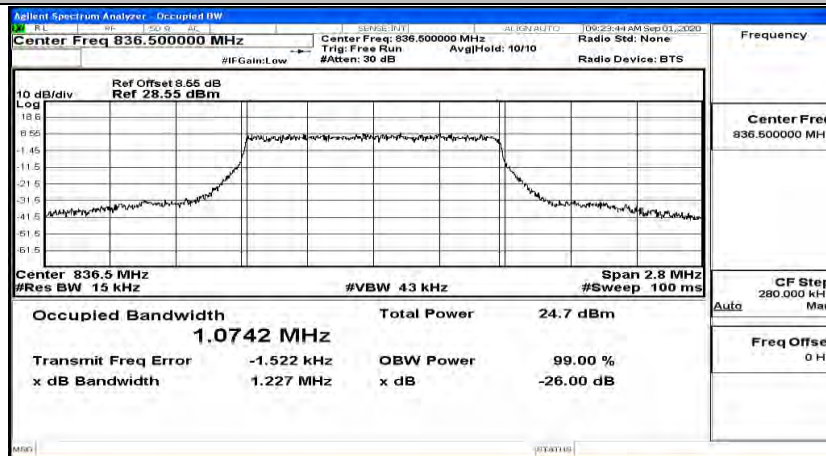
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4730	4.750	PASS
	MCH	4.4716	4.769	PASS
	HCH	4.4732	4.766	PASS
16QAM	LCH	4.4798	4.729	PASS
	MCH	4.4697	4.721	PASS
	HCH	4.4717	4.750	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9641	9.415	PASS
	MCH	8.9287	9.436	PASS
	HCH	8.9375	9.374	PASS
16QAM	LCH	8.9429	9.391	PASS
	MCH	8.9441	9.312	PASS
	HCH	8.9273	9.343	PASS

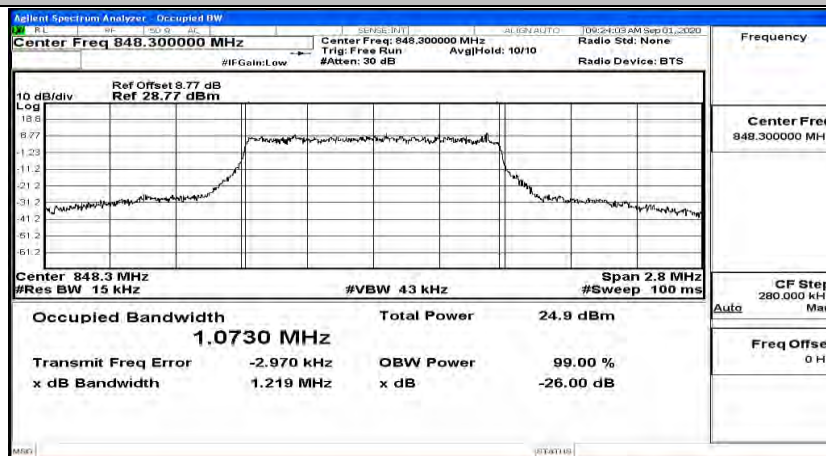
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



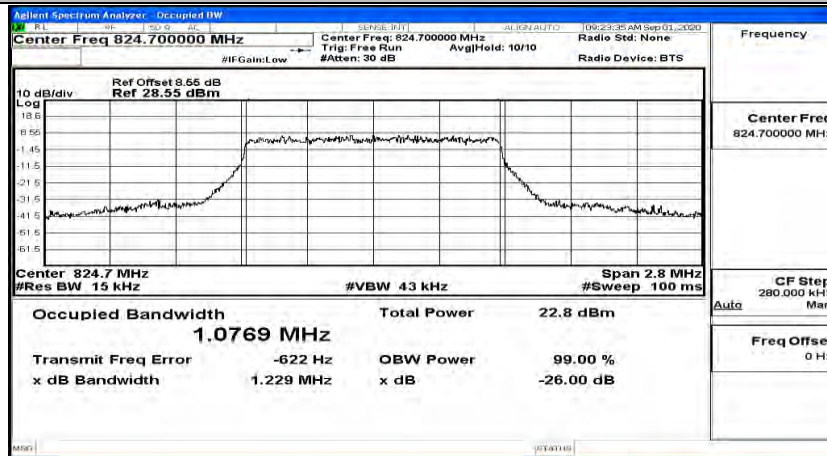
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



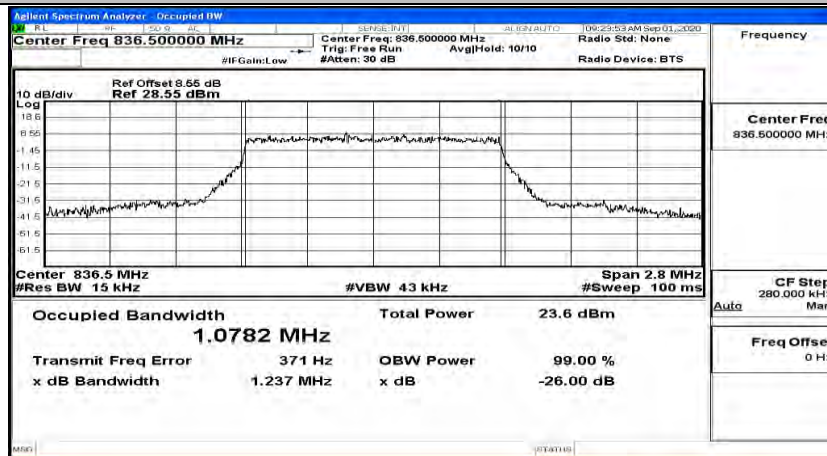
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



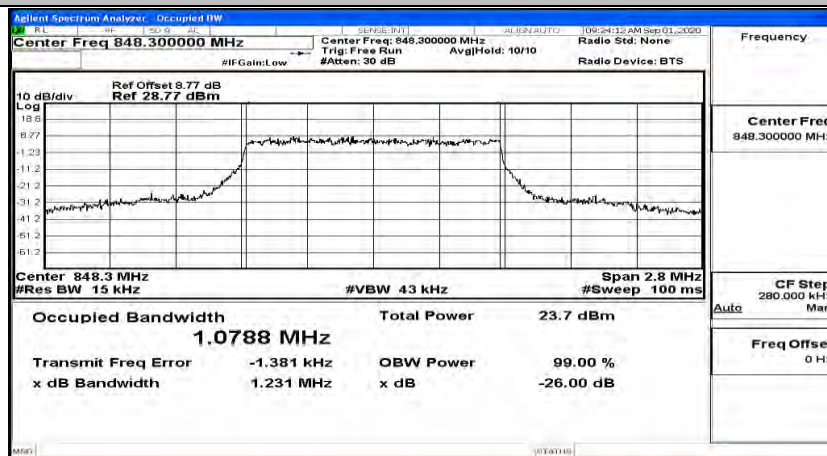
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



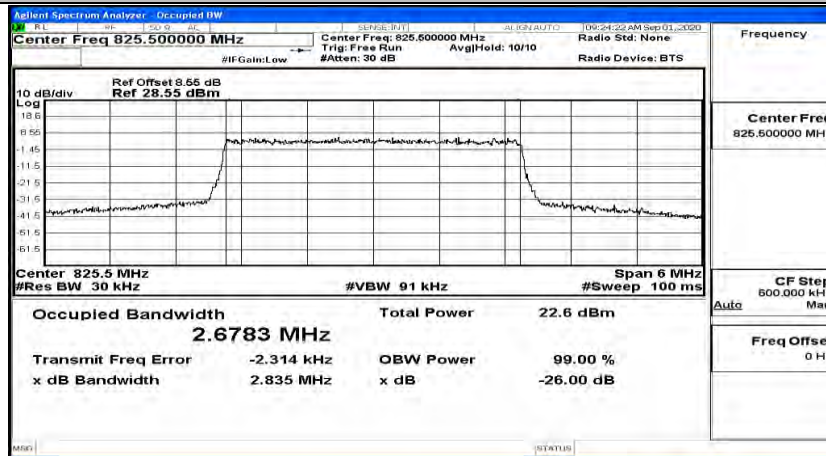
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



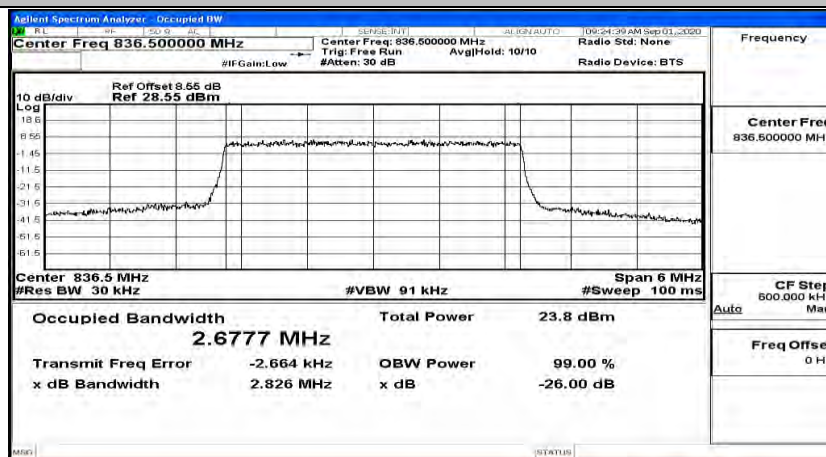
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



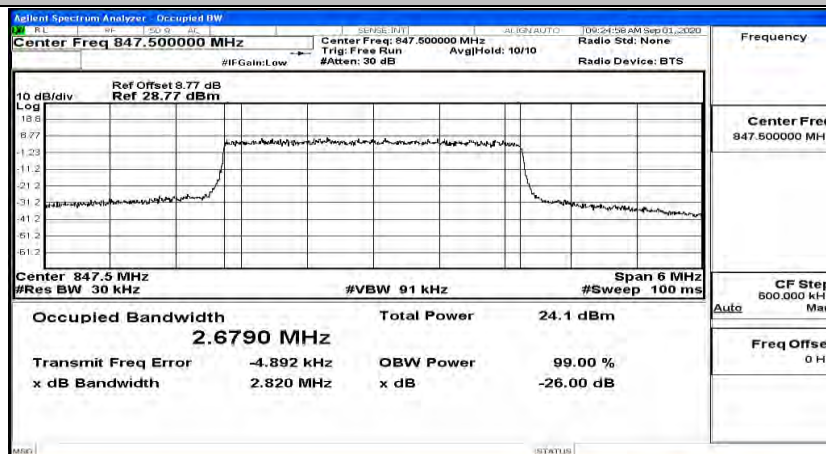
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



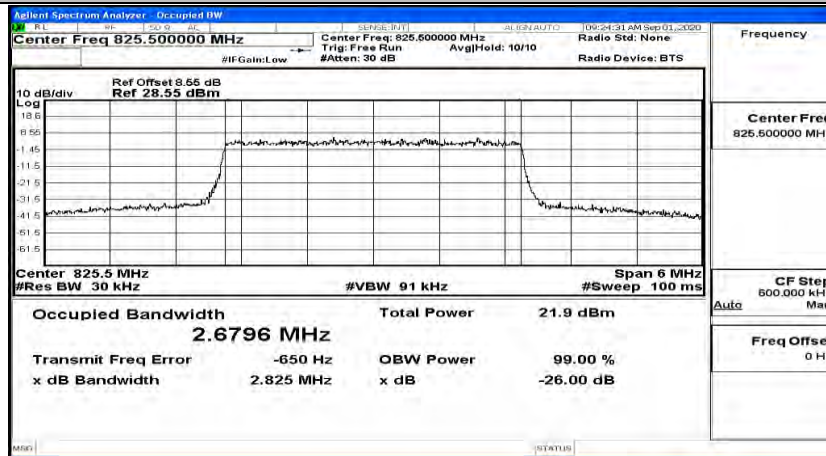
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



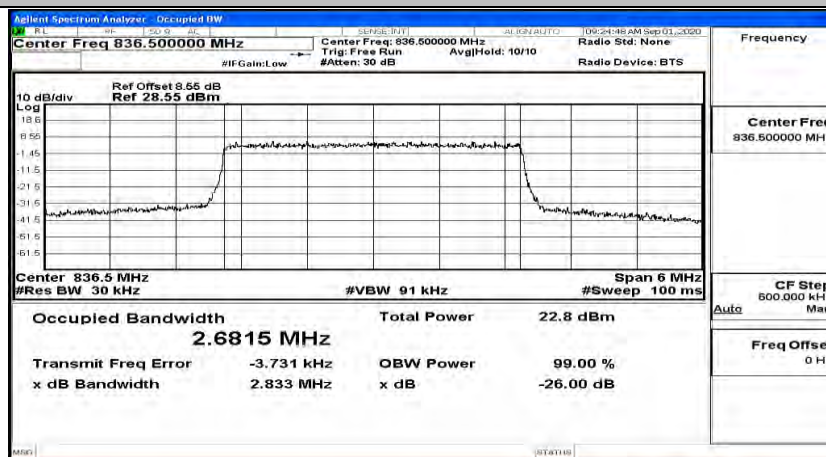
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



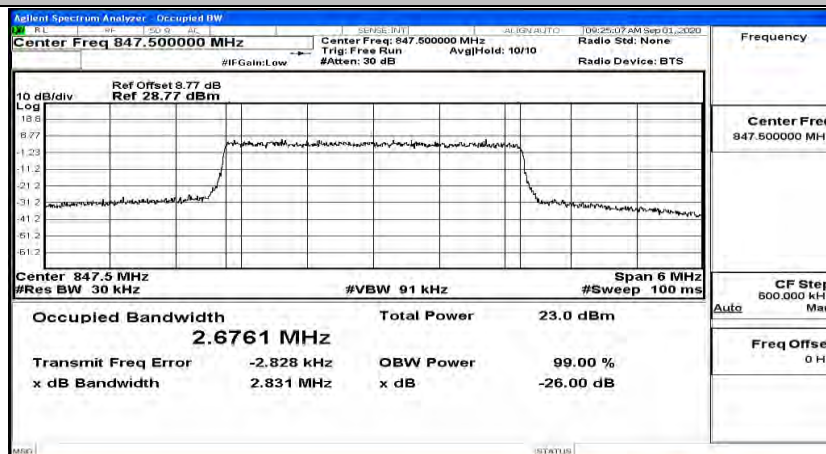
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



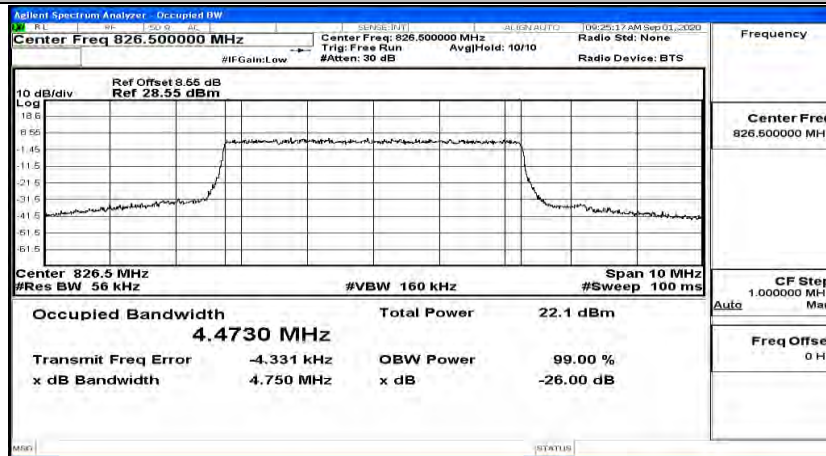
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



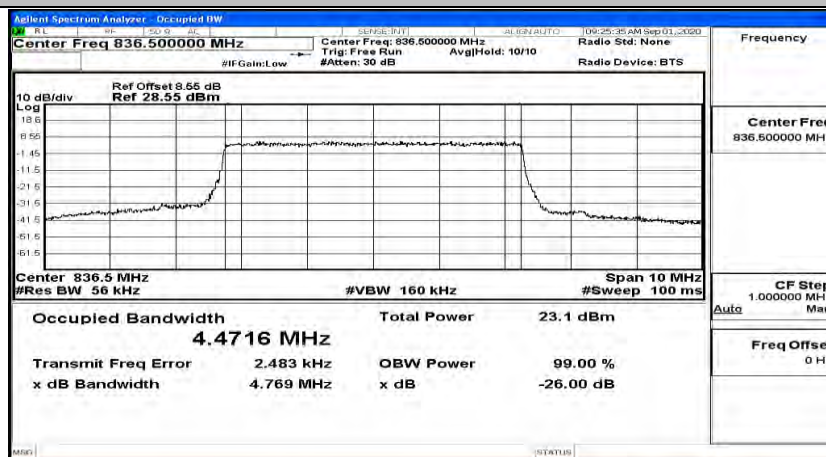
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



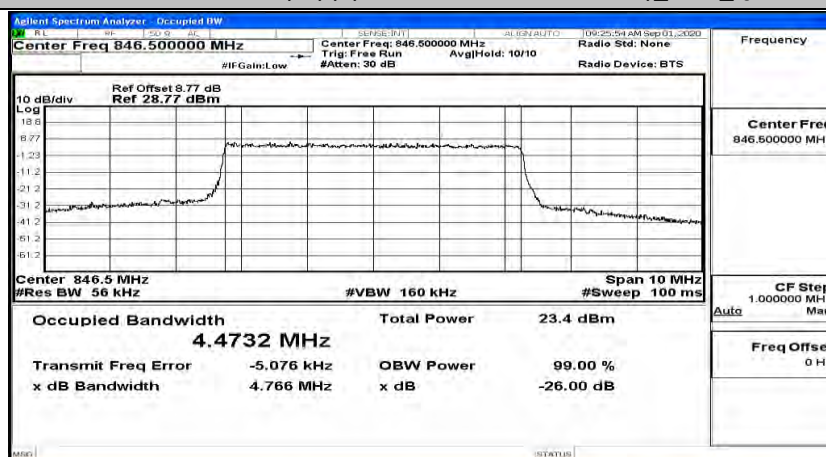
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



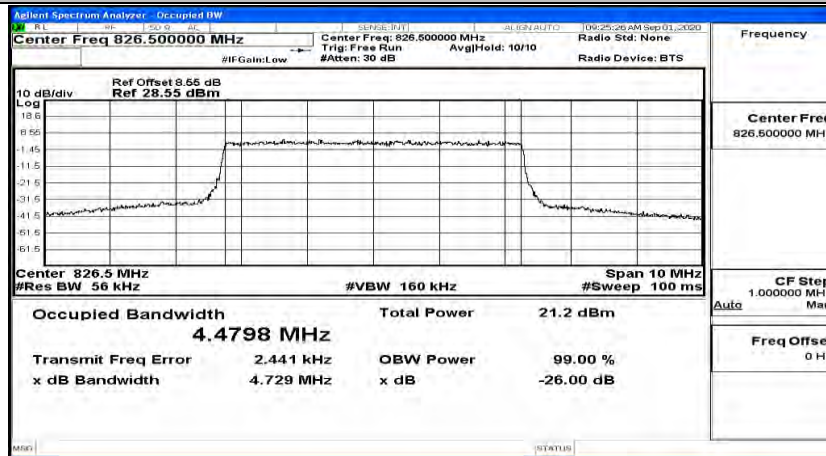
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



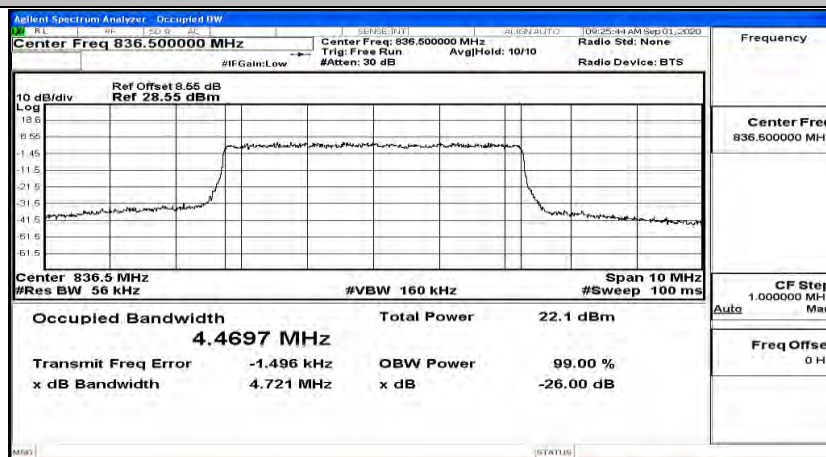
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



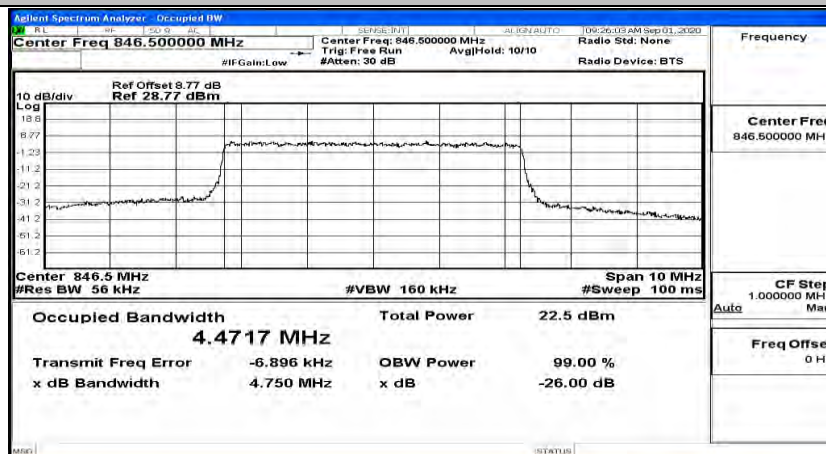
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



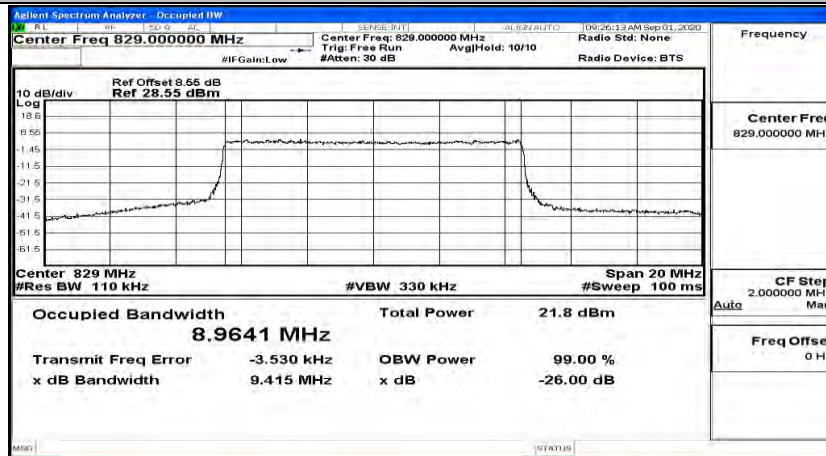
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



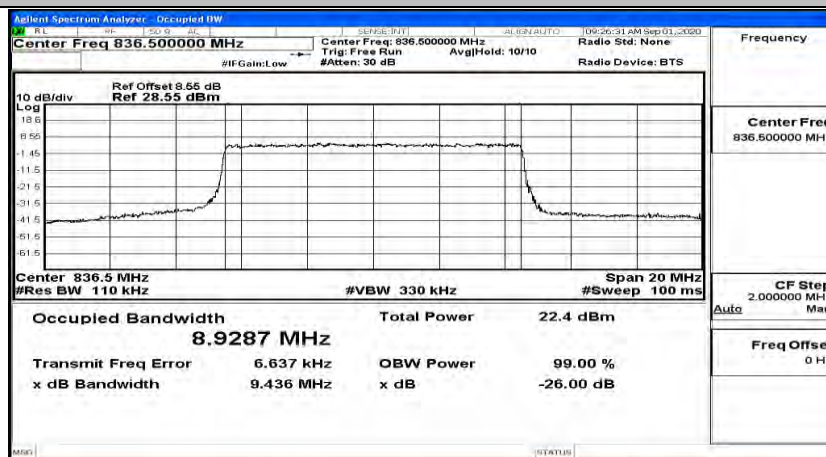
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



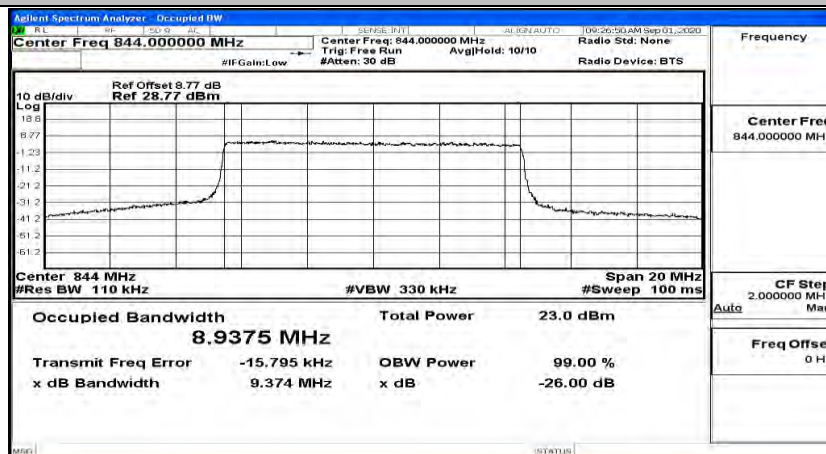
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



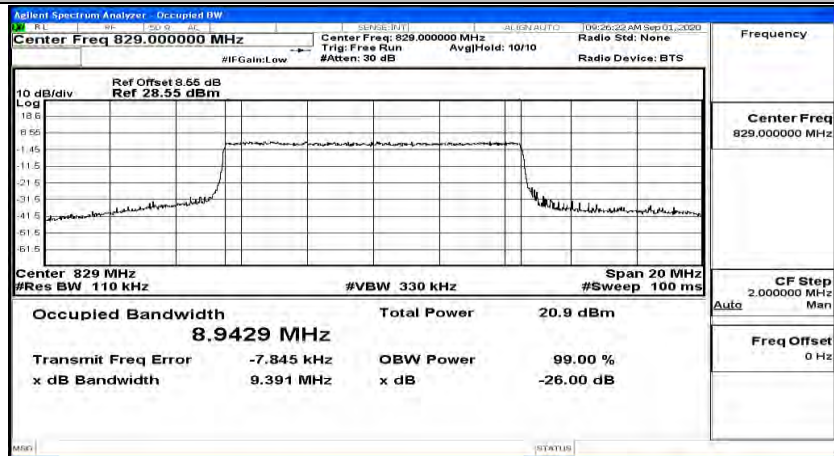
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



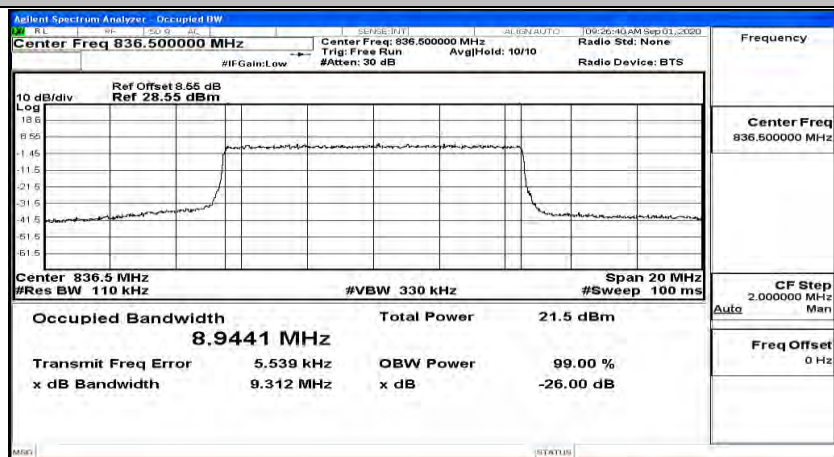
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



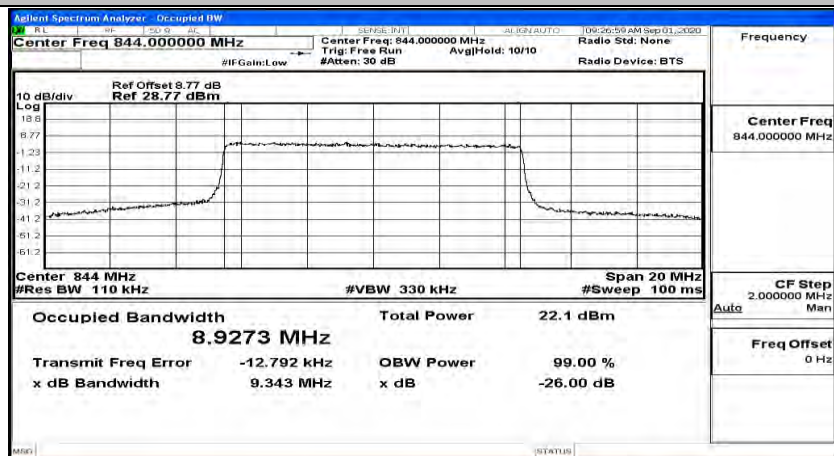
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

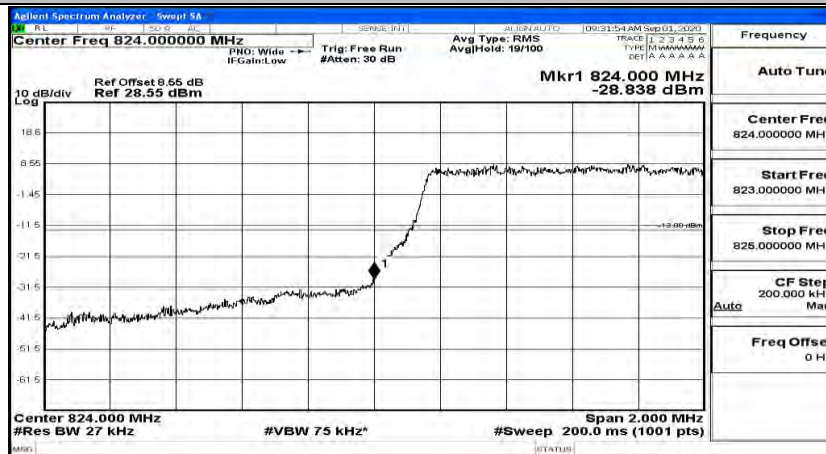


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

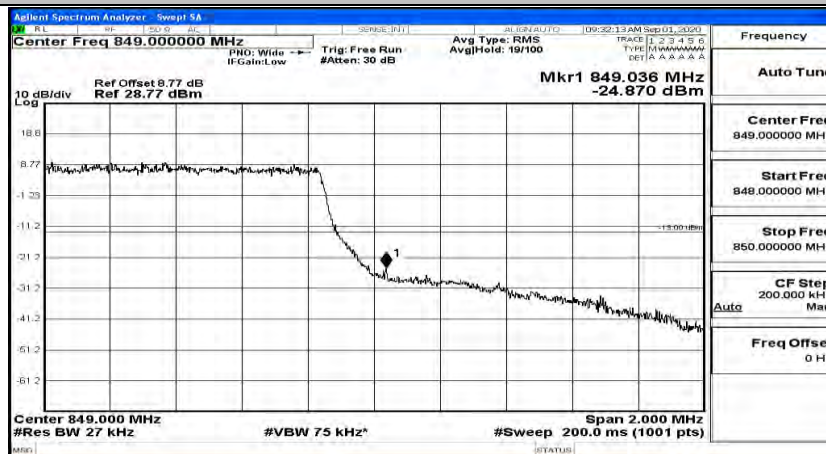


A.4 Band Edge

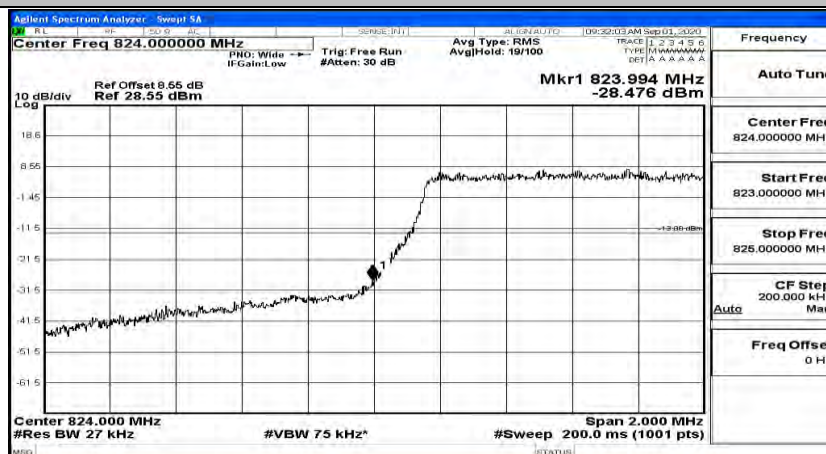
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



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



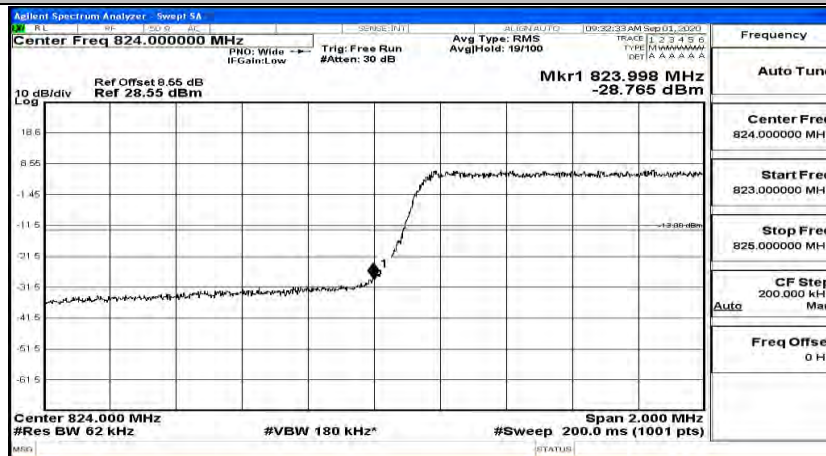
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



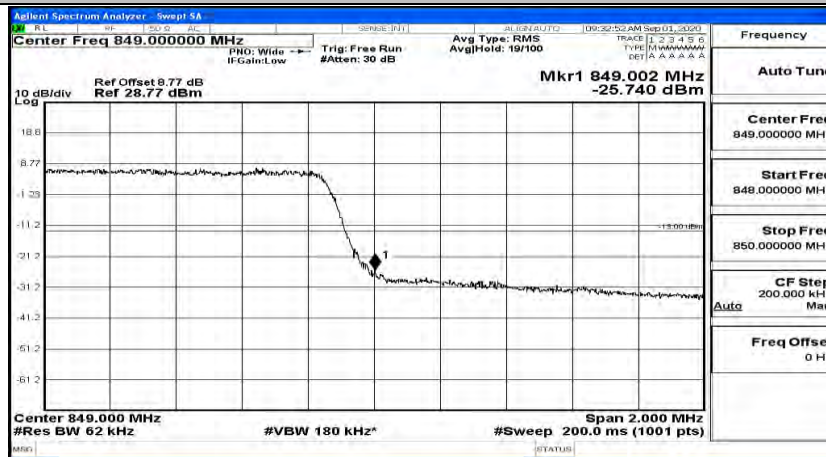
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



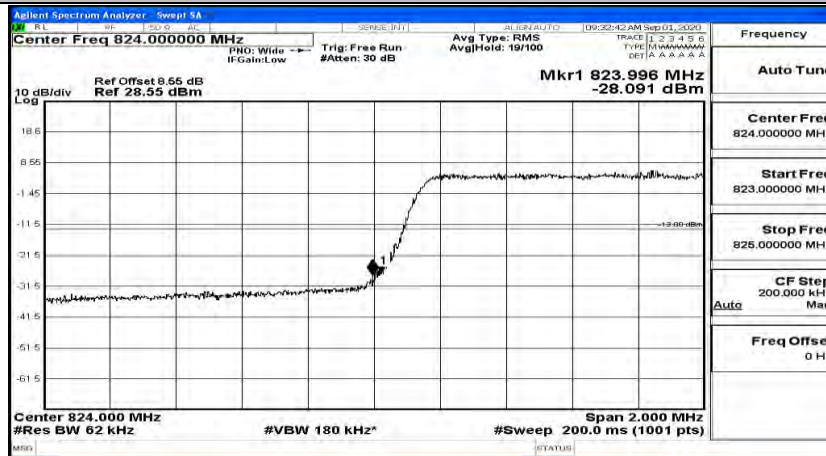
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



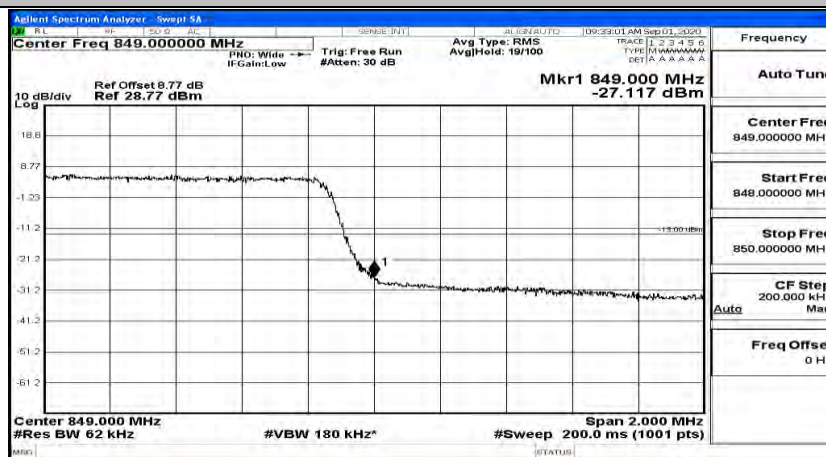
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



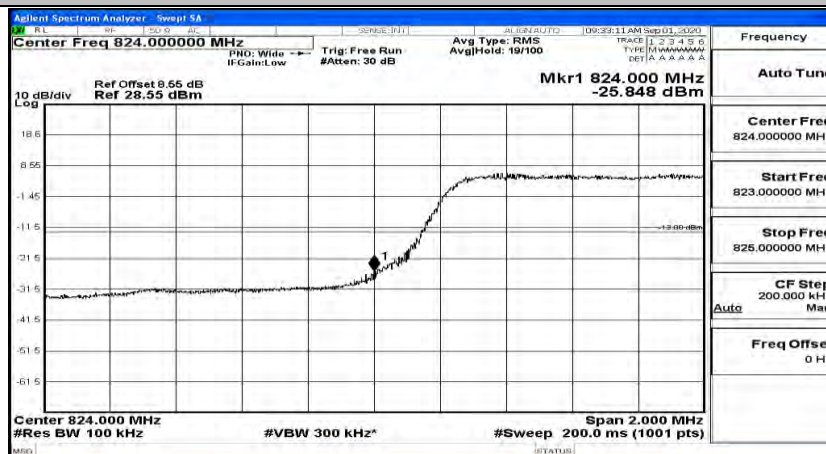
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



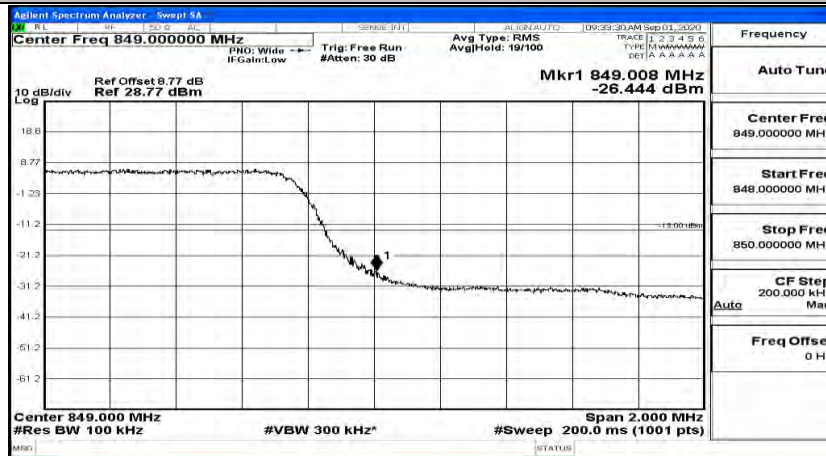
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



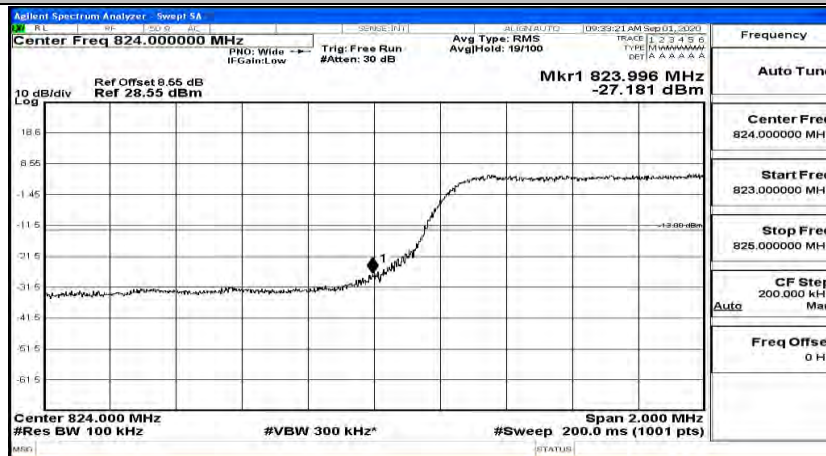
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



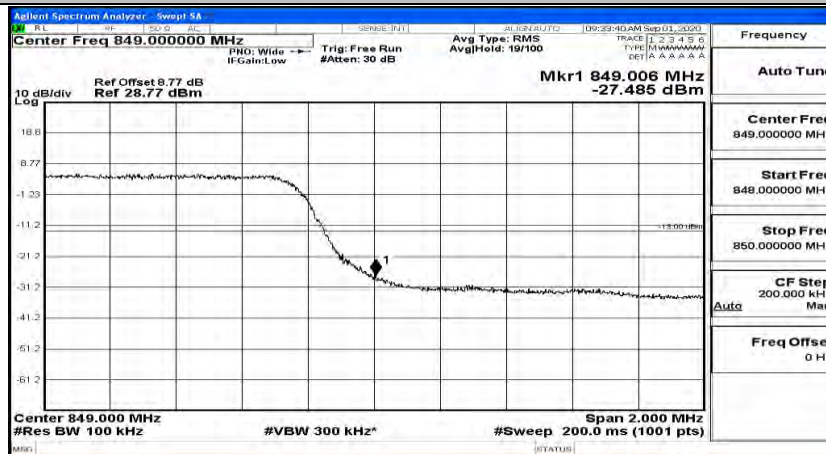
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



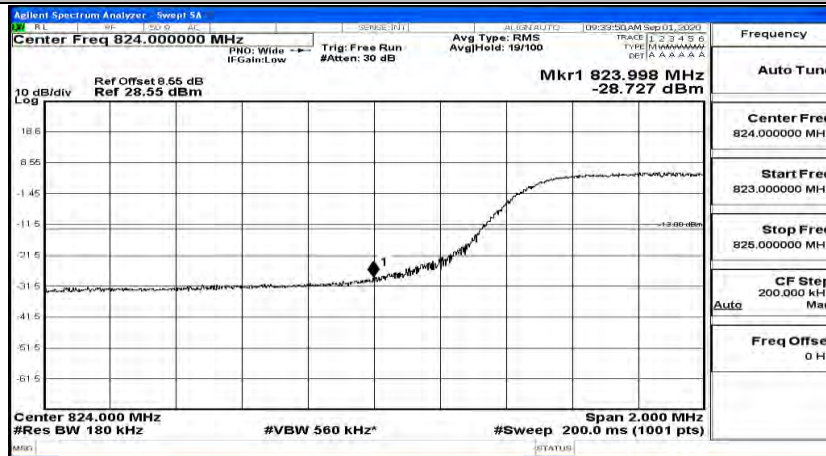
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



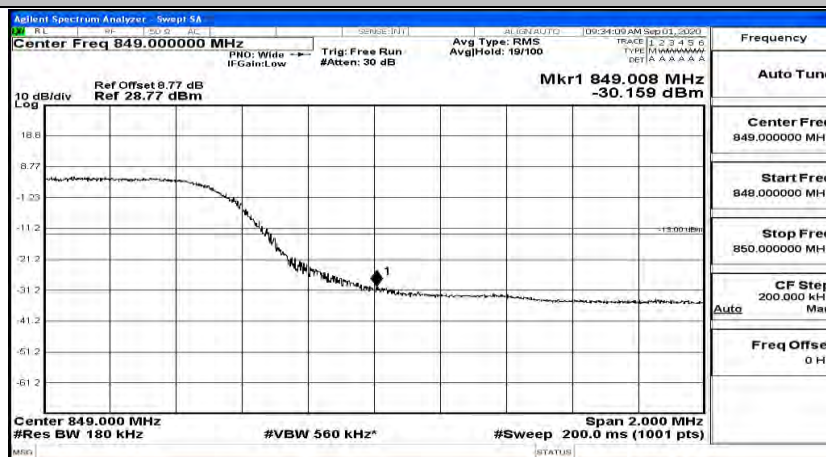
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



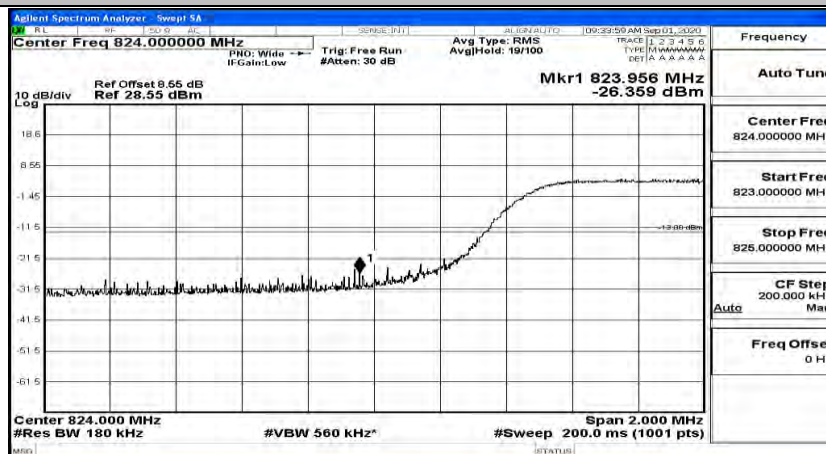
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



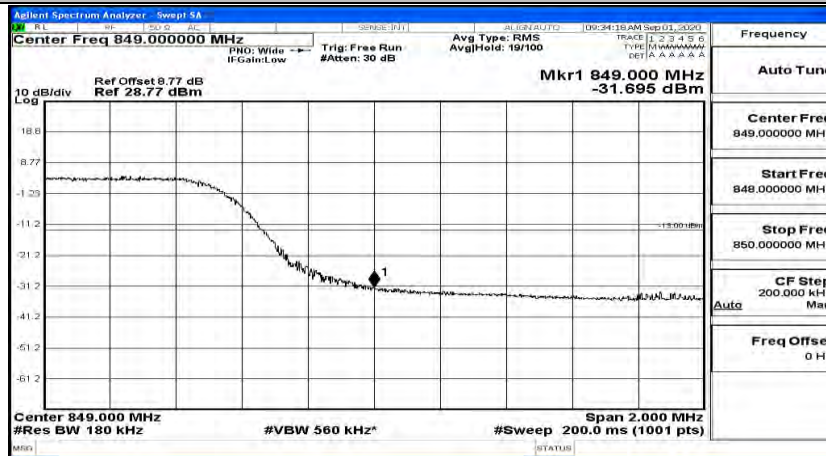
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



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

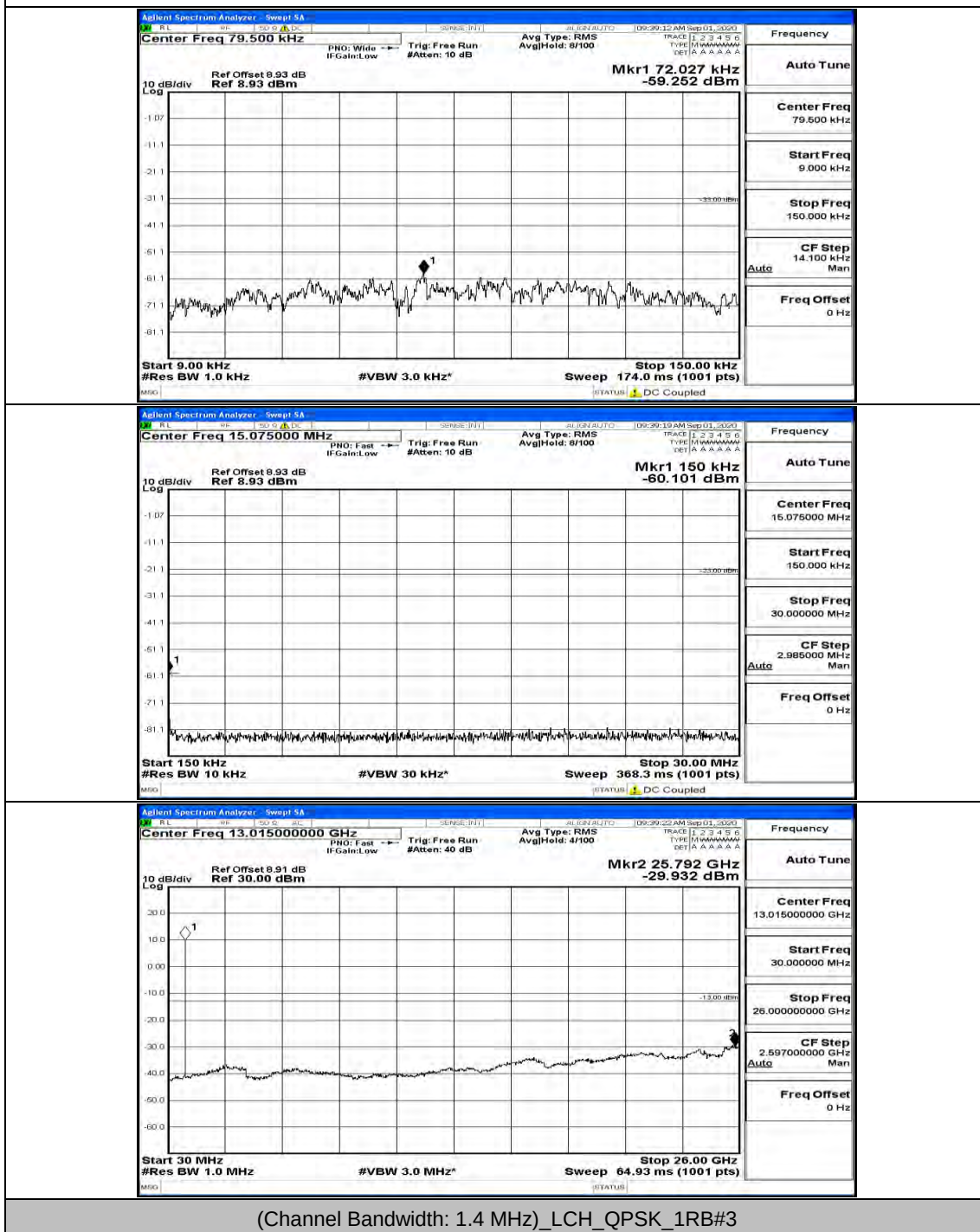


Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

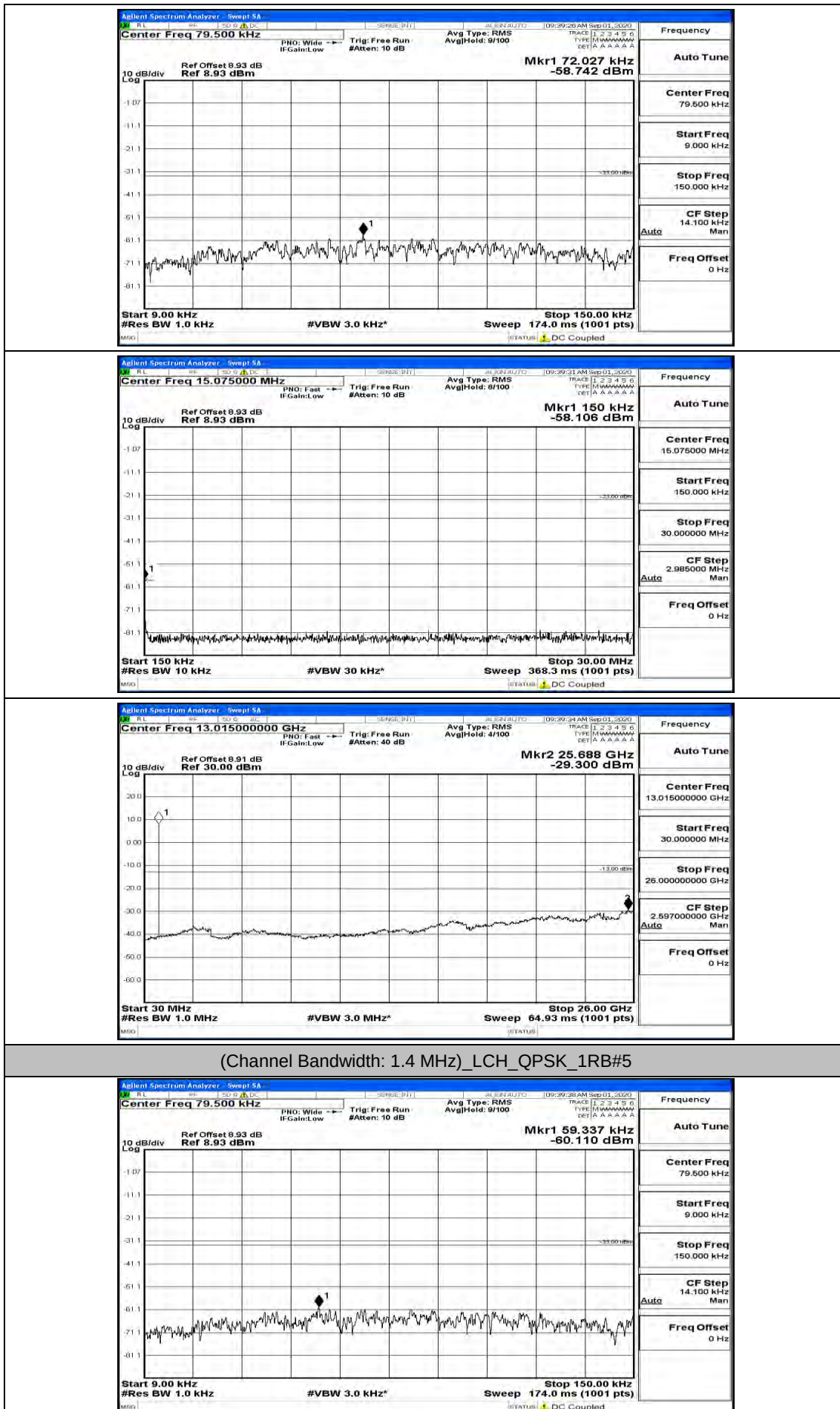


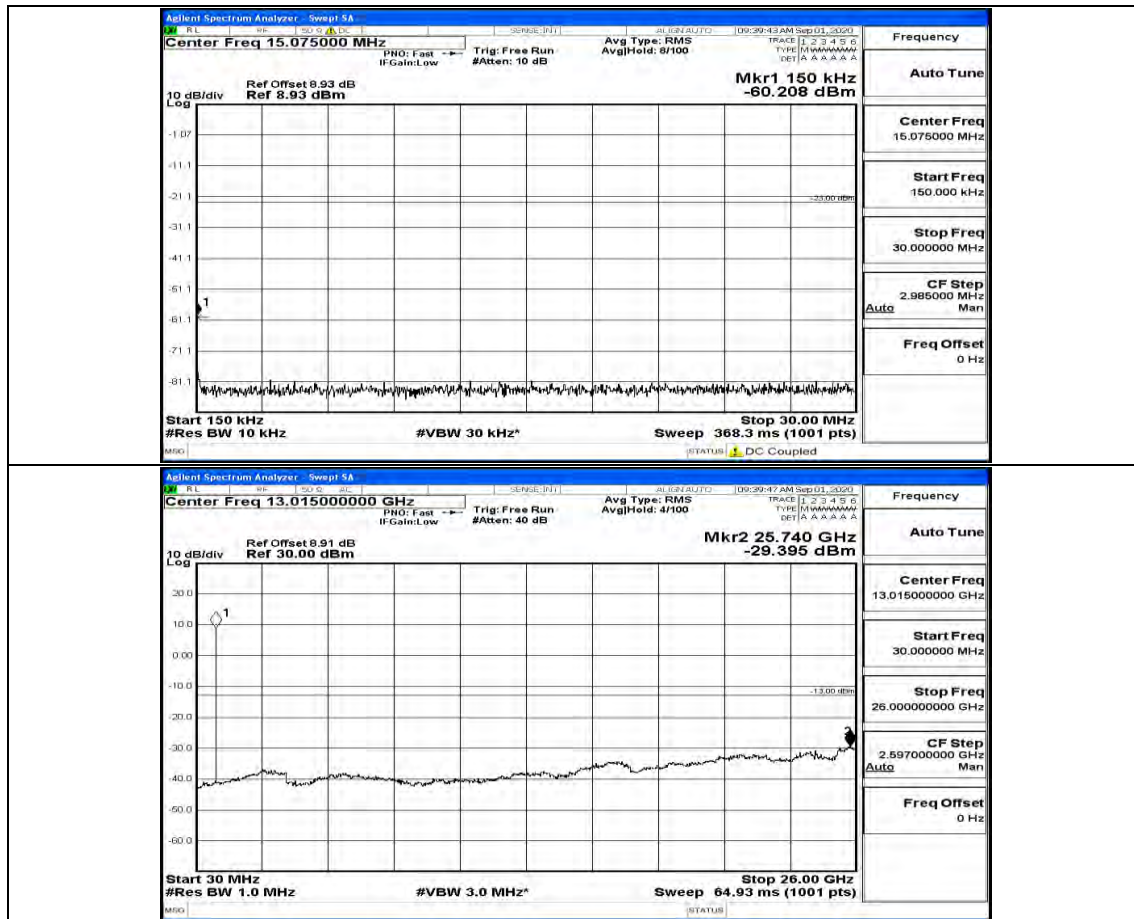
A.5 Conducted Spurious Emission

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

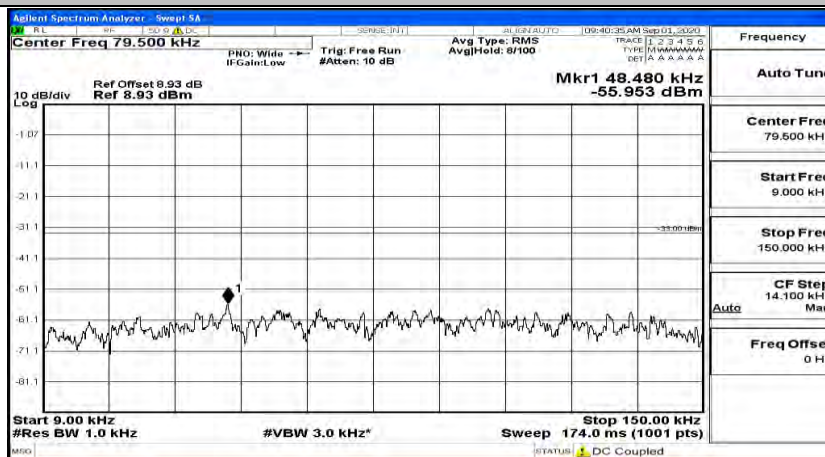


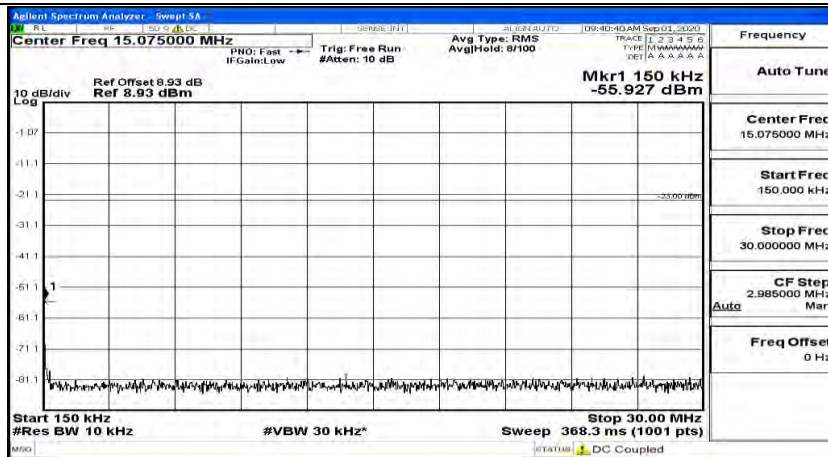
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



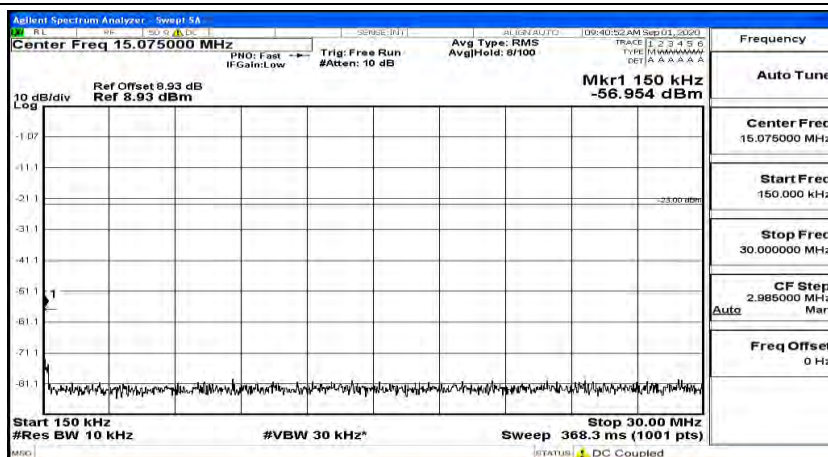
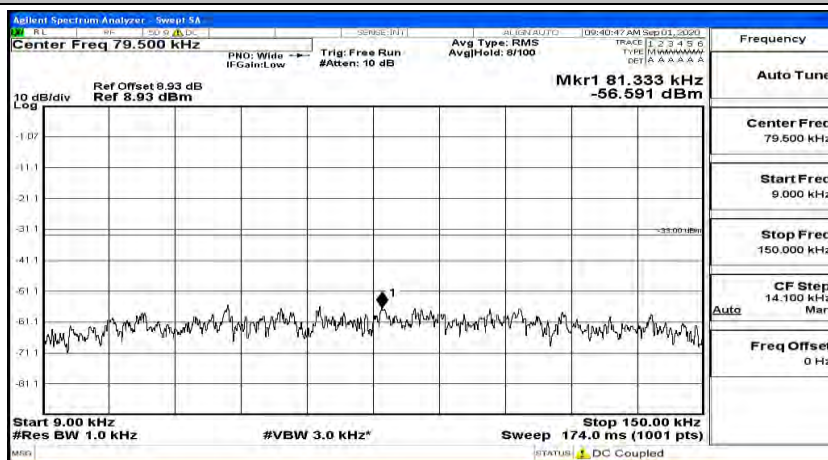


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



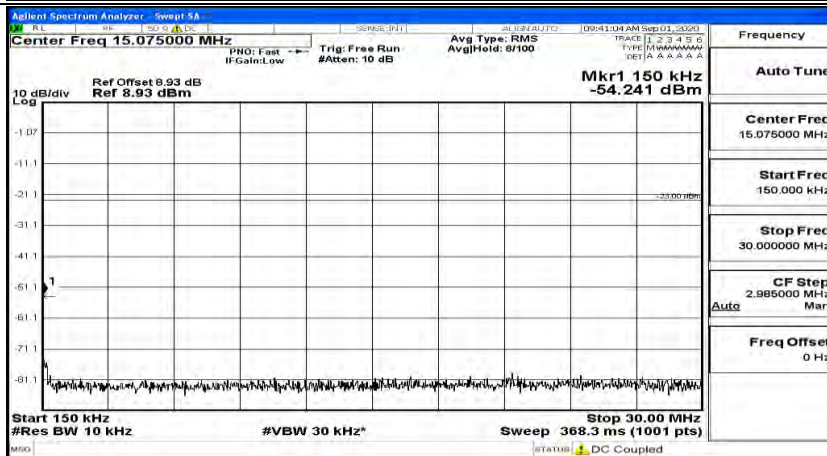
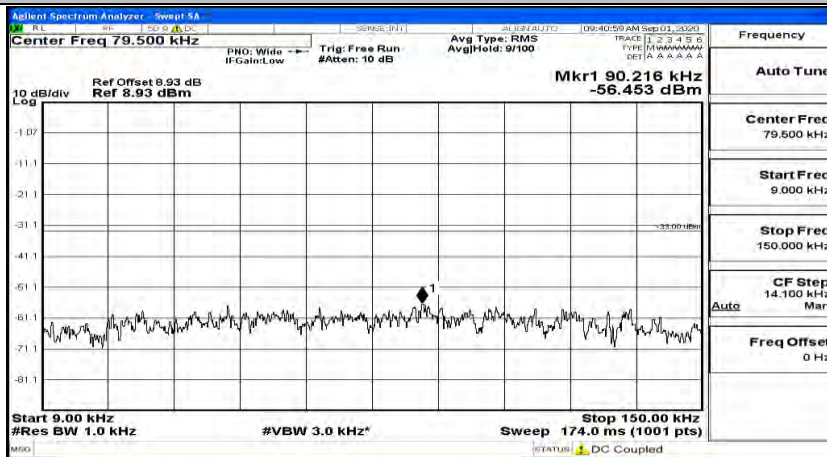


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

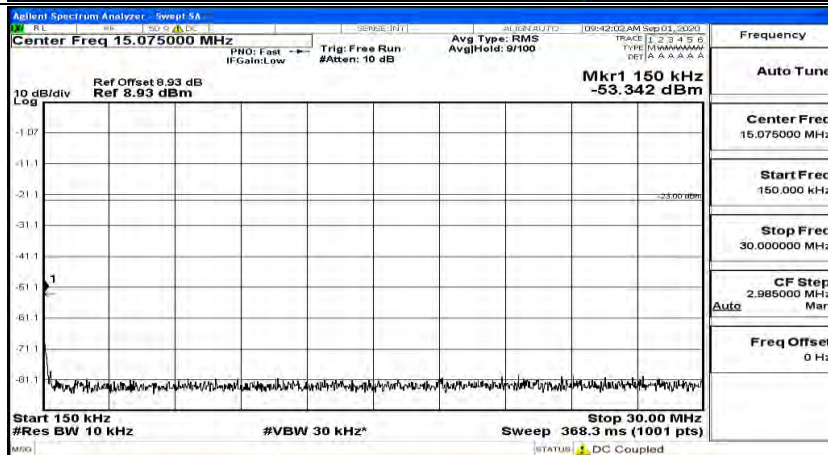
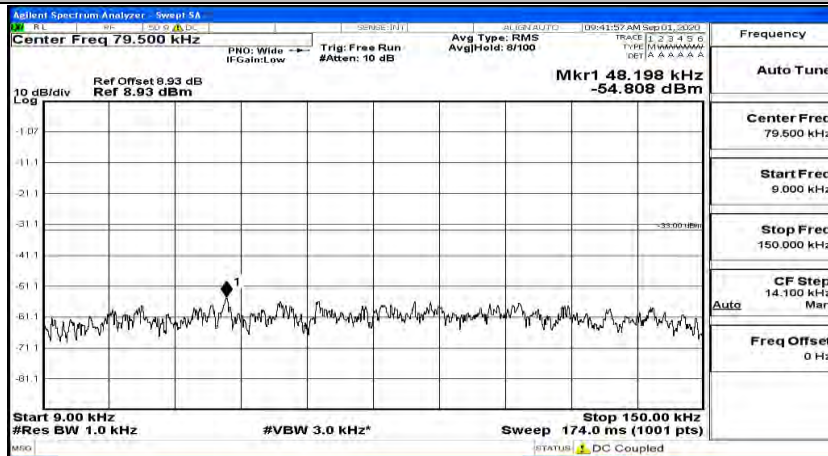




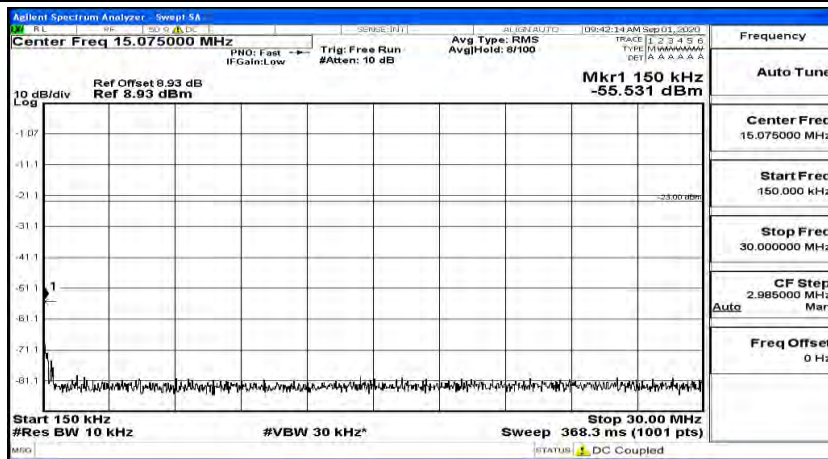
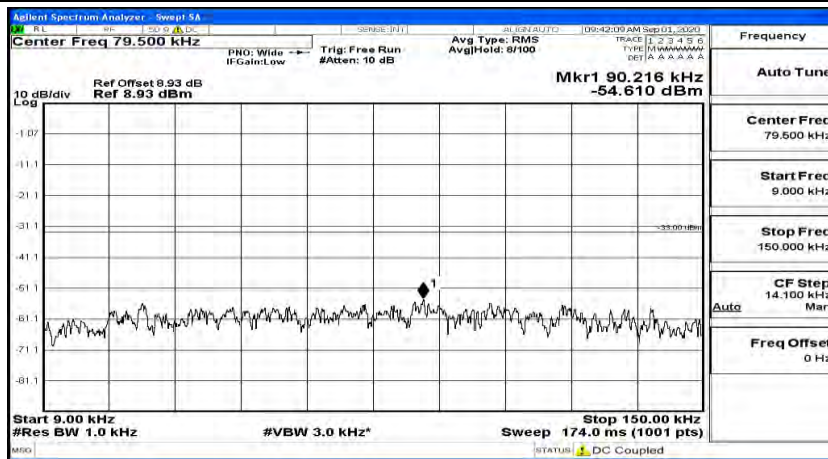
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



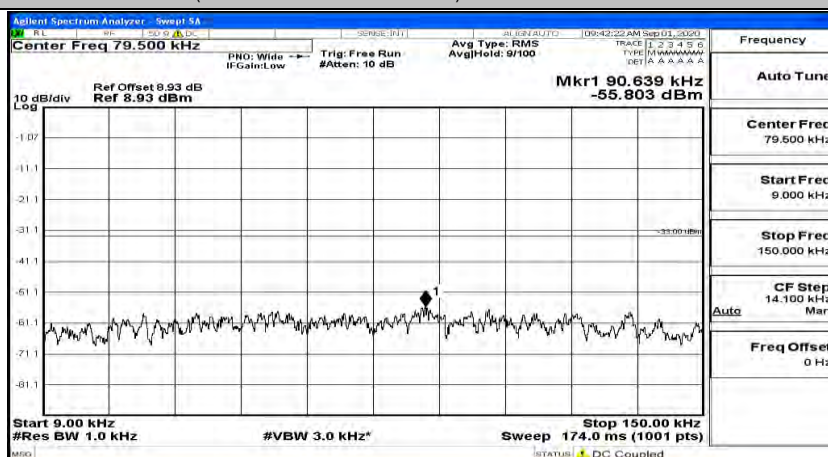
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

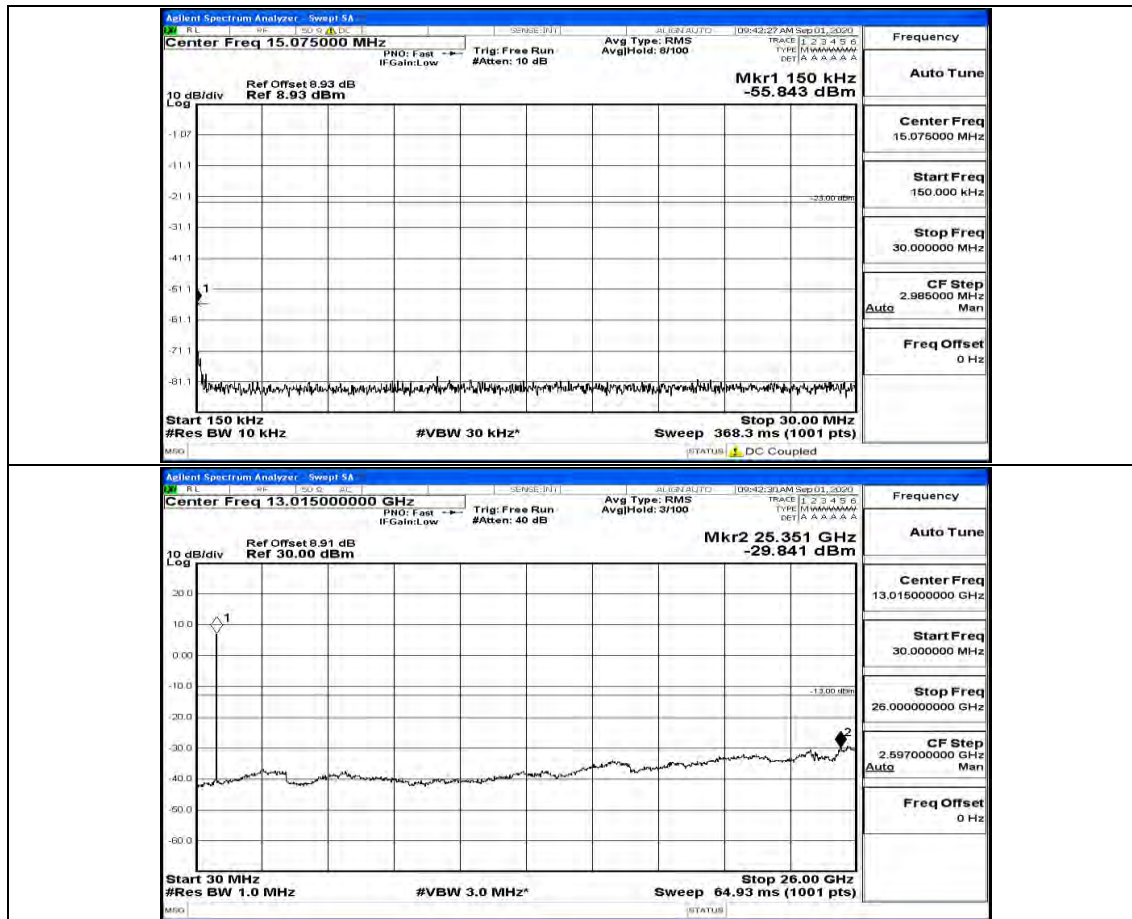


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

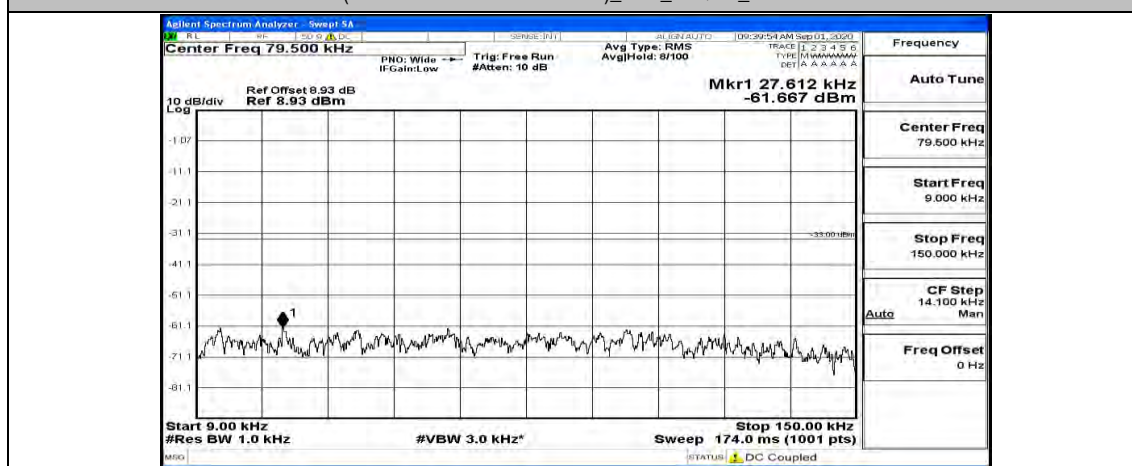


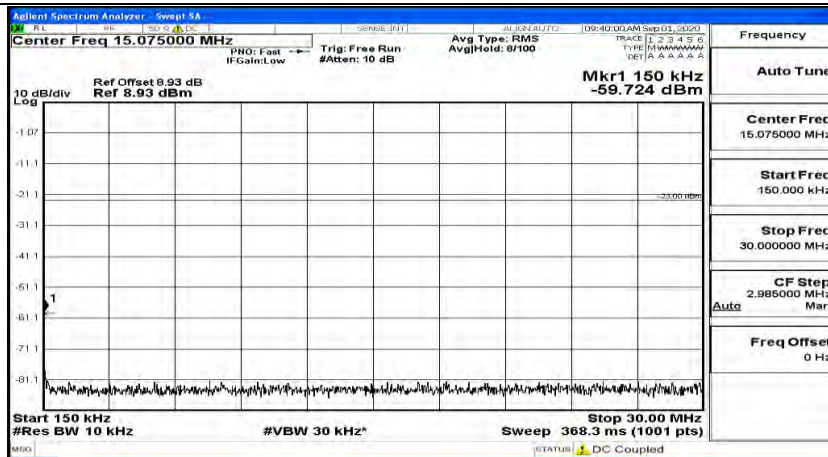
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



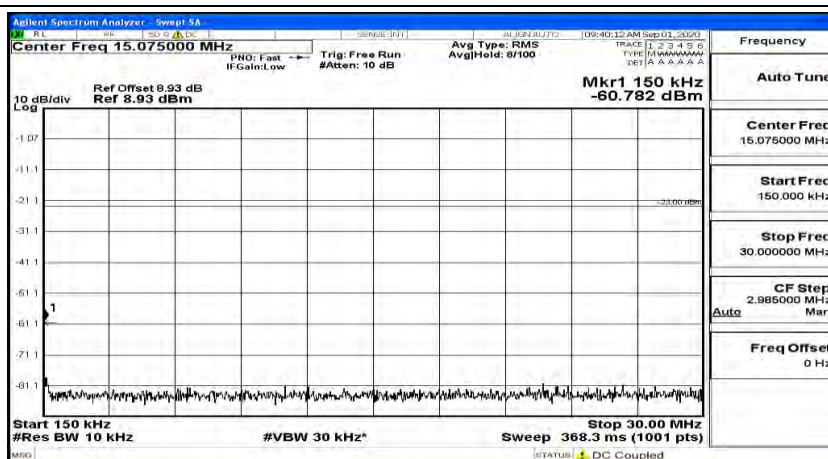
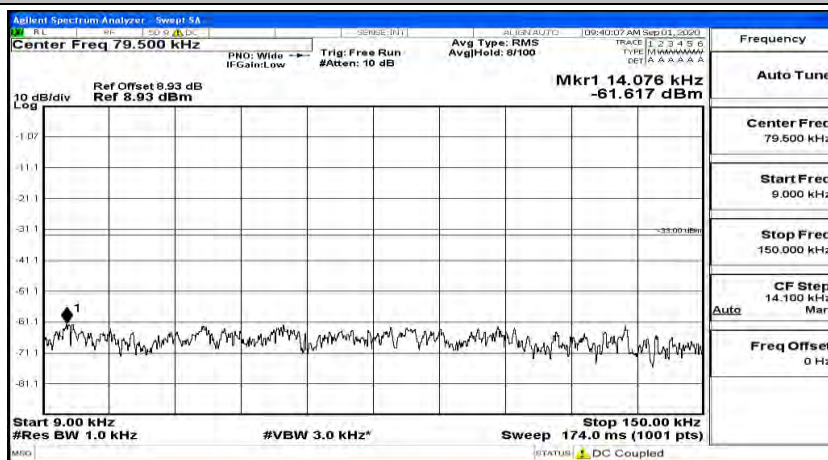


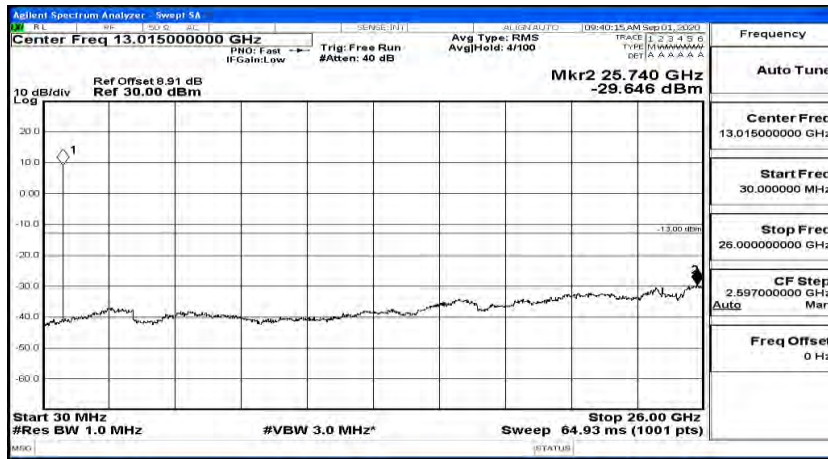
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



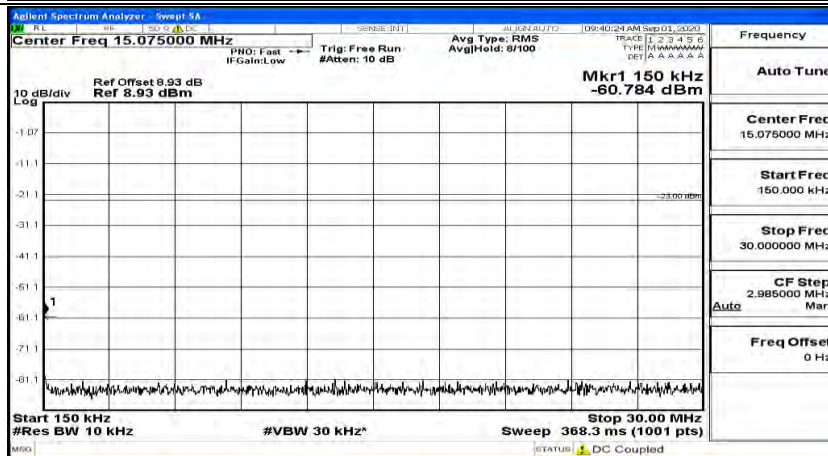
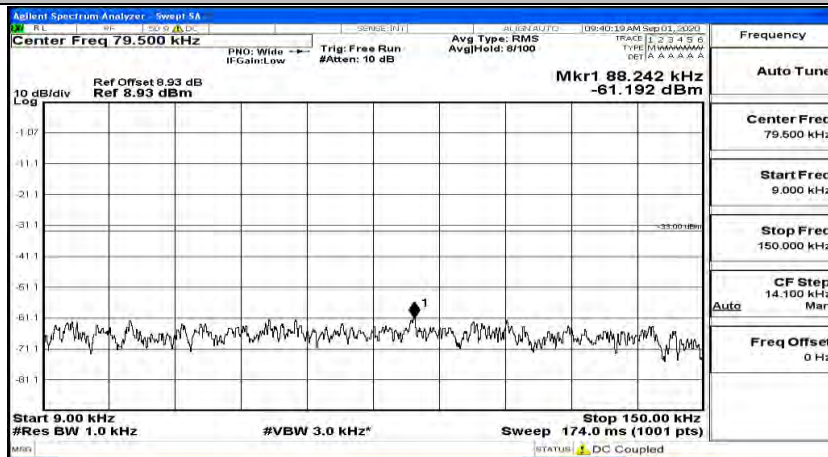


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

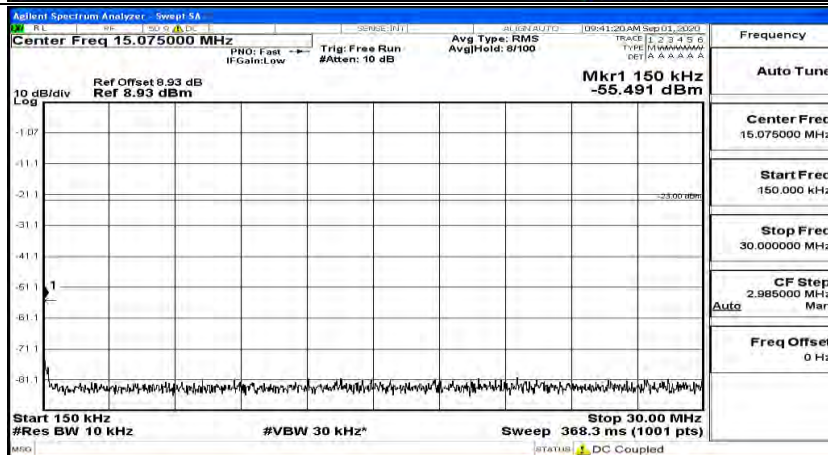
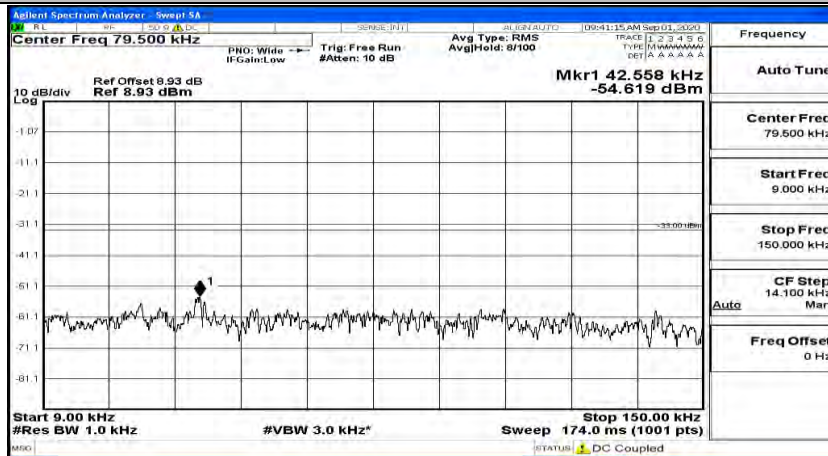




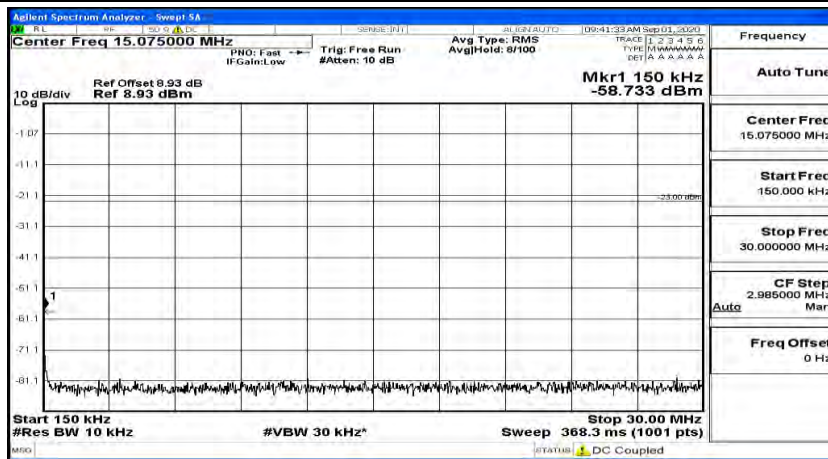
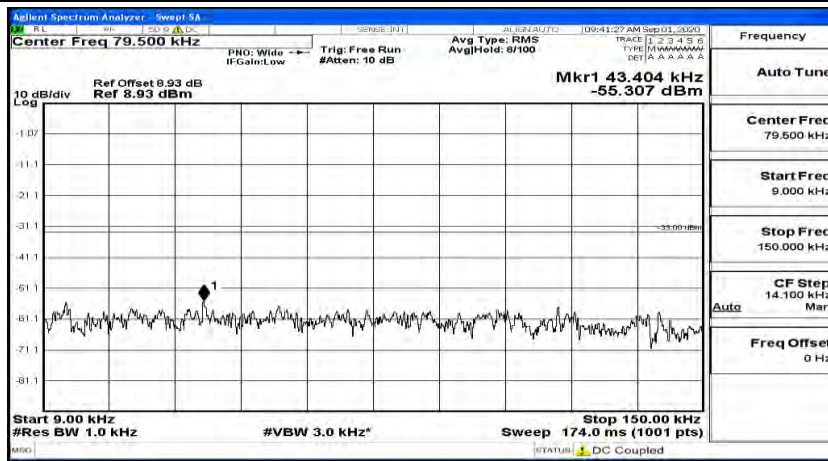
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



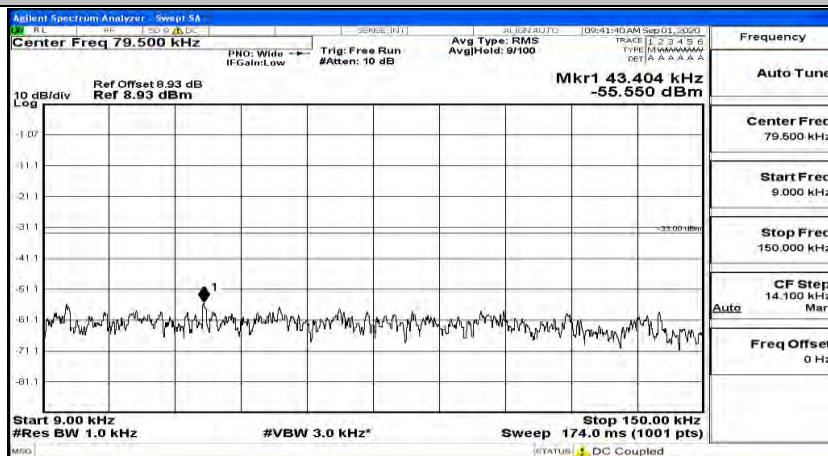
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

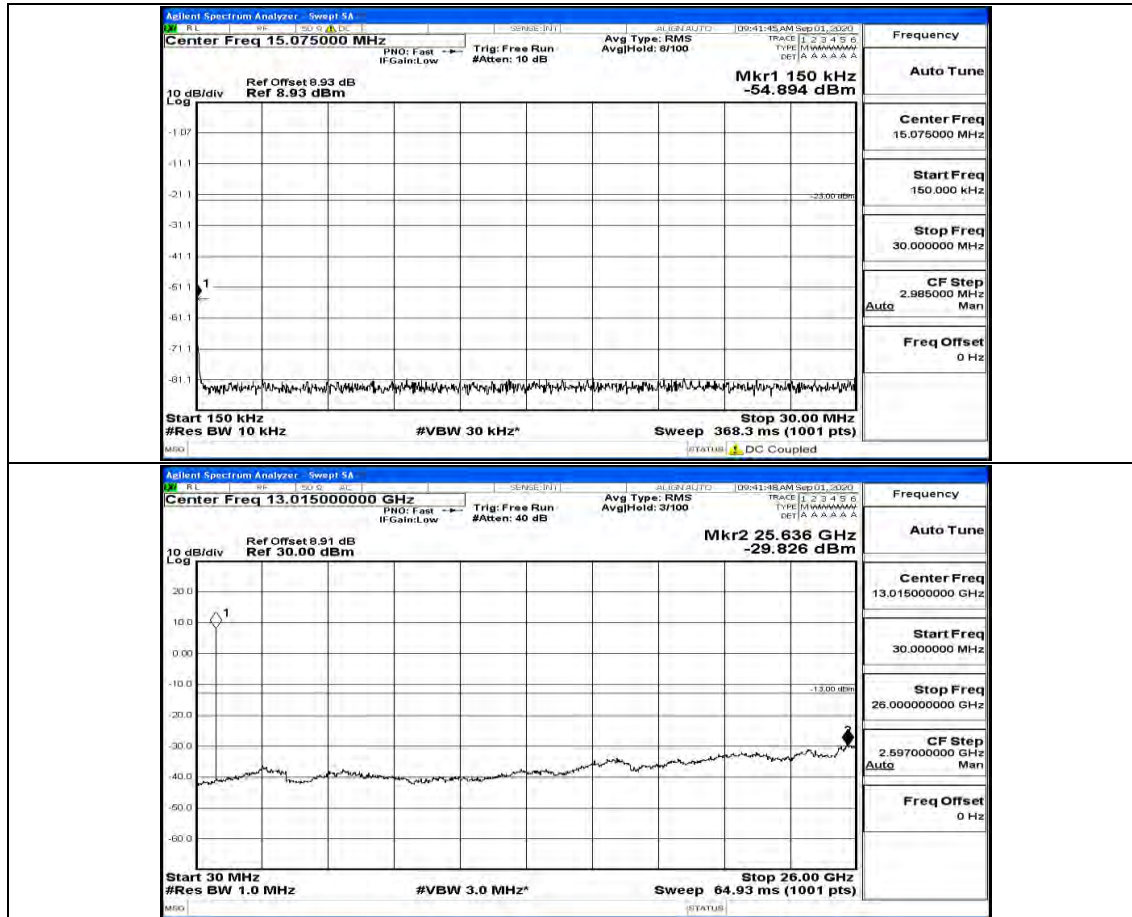


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

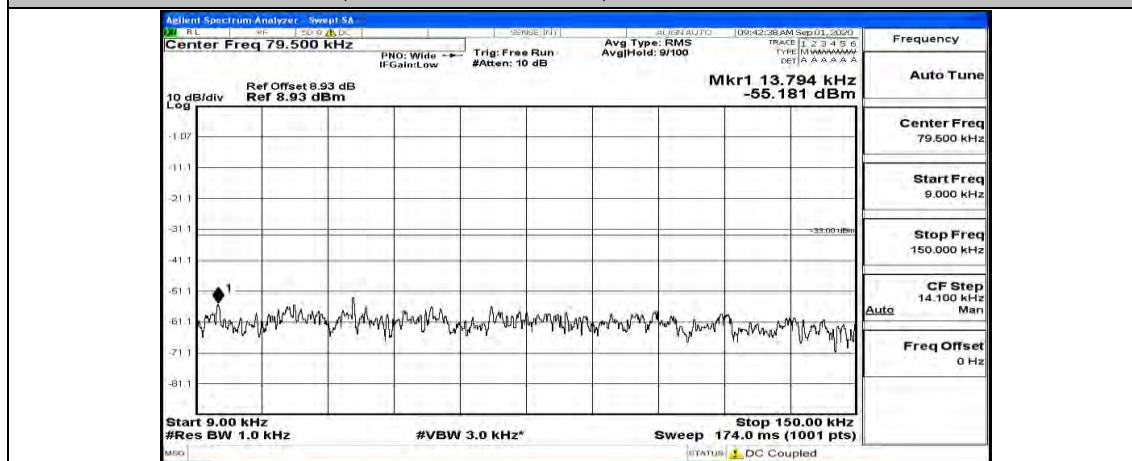


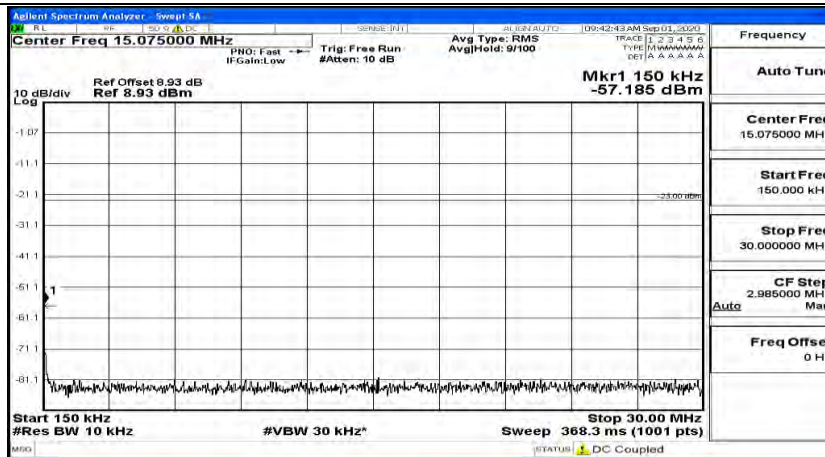
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



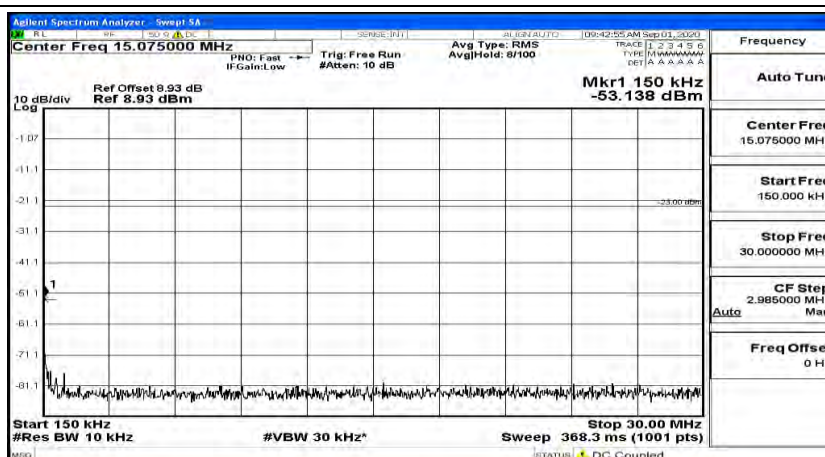
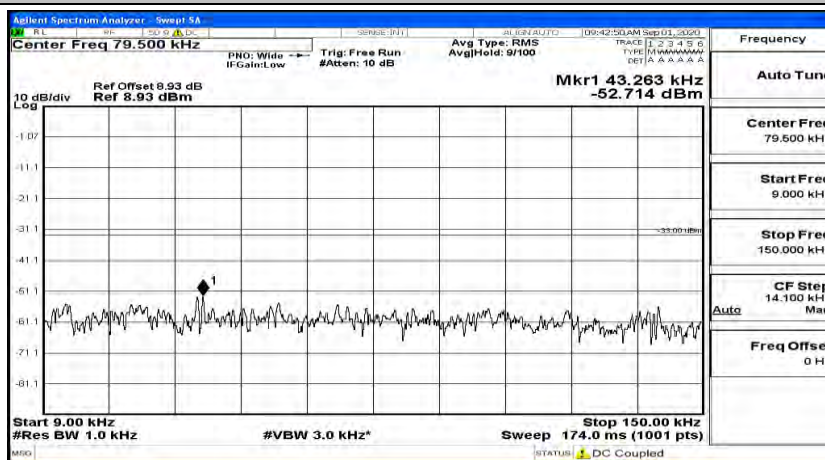


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



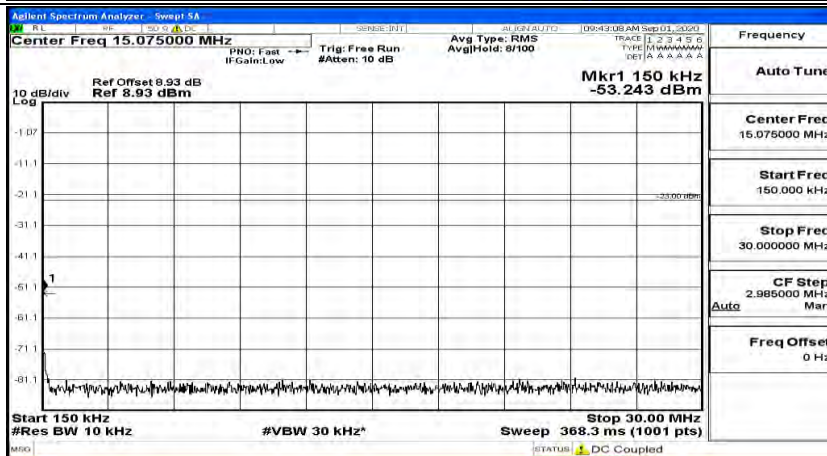
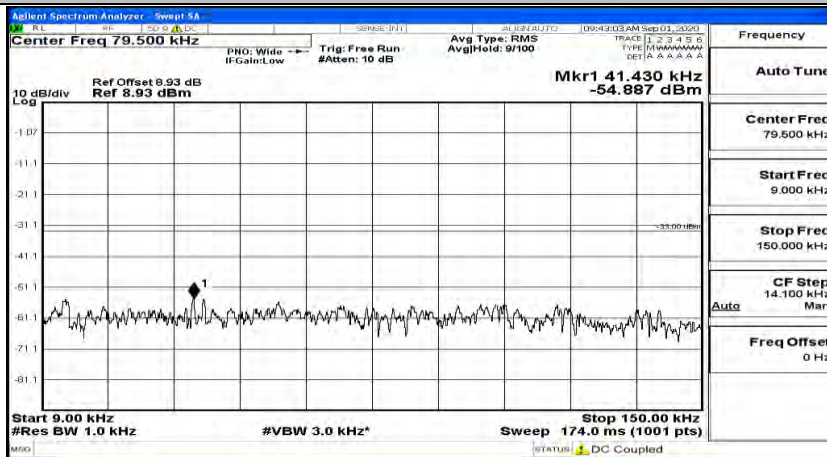


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



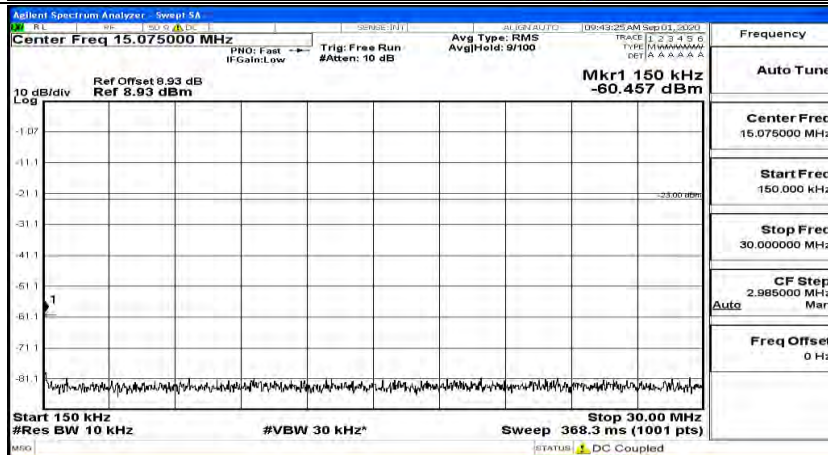
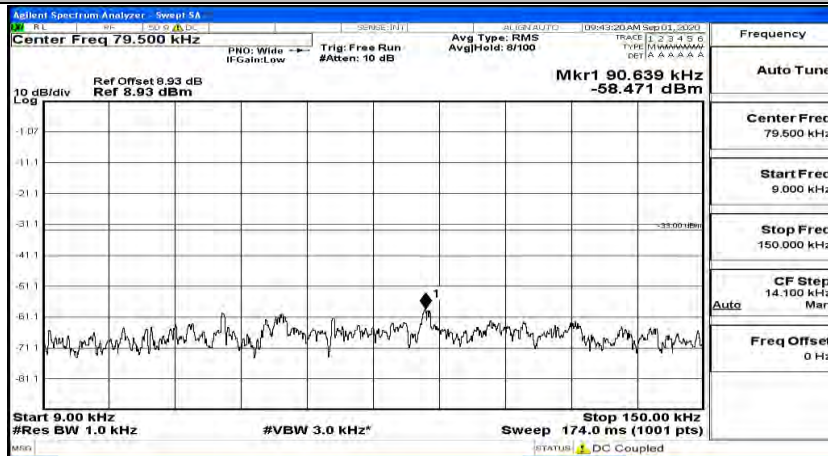


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

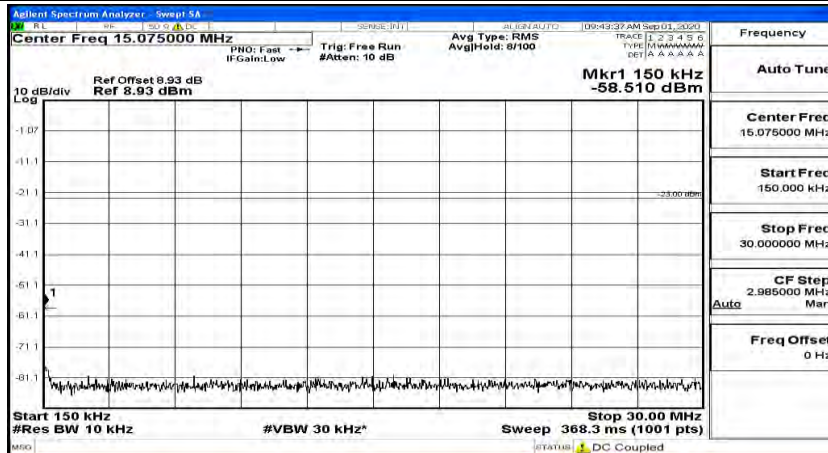
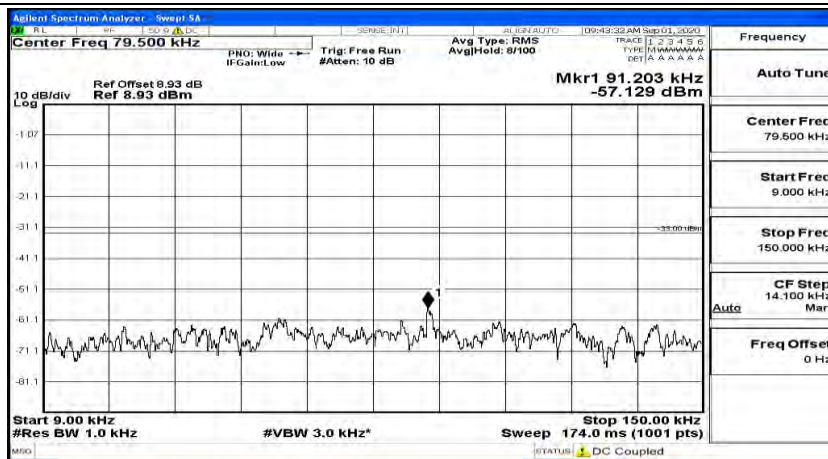


Channel Bandwidth: 3 MHz

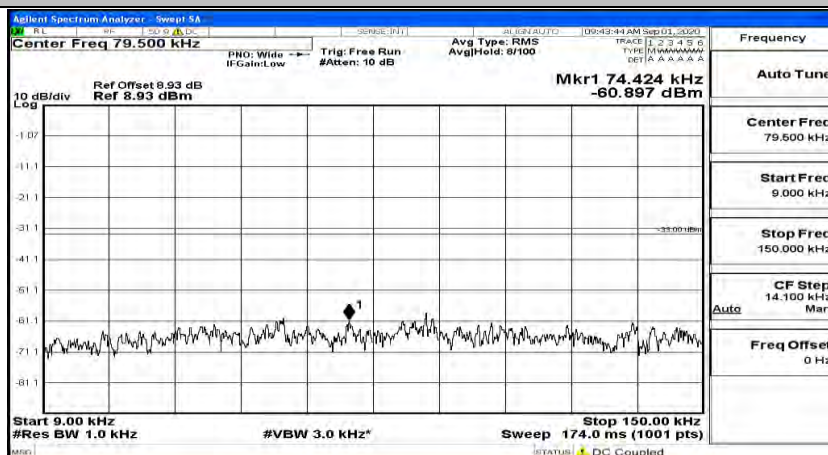
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

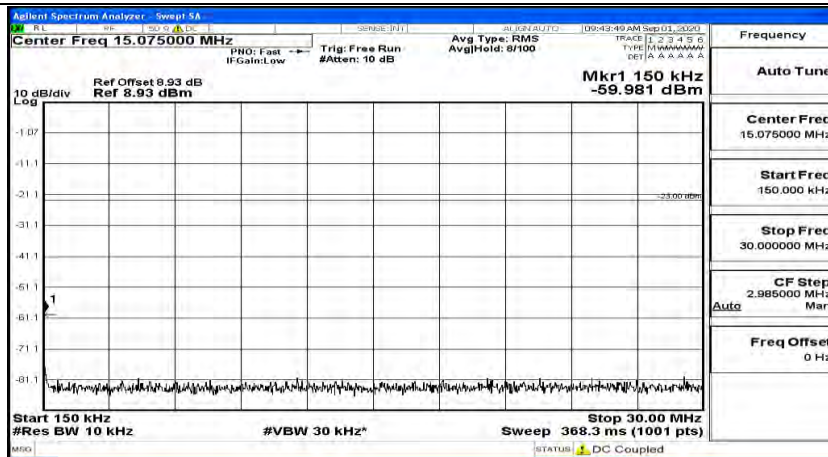


(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

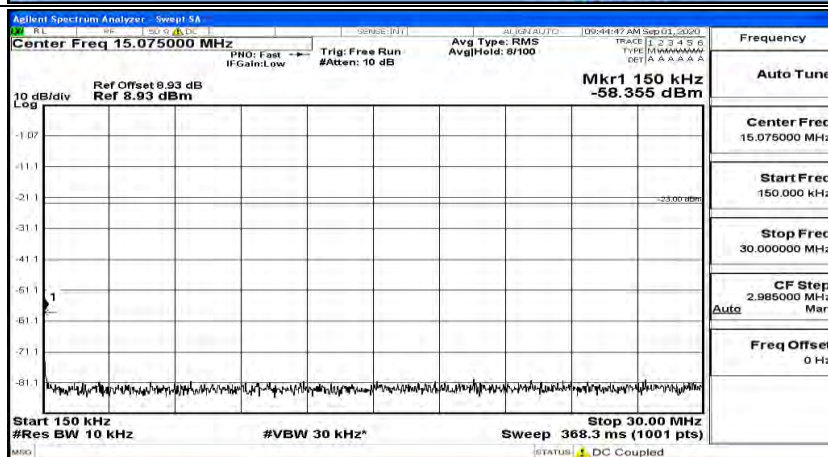
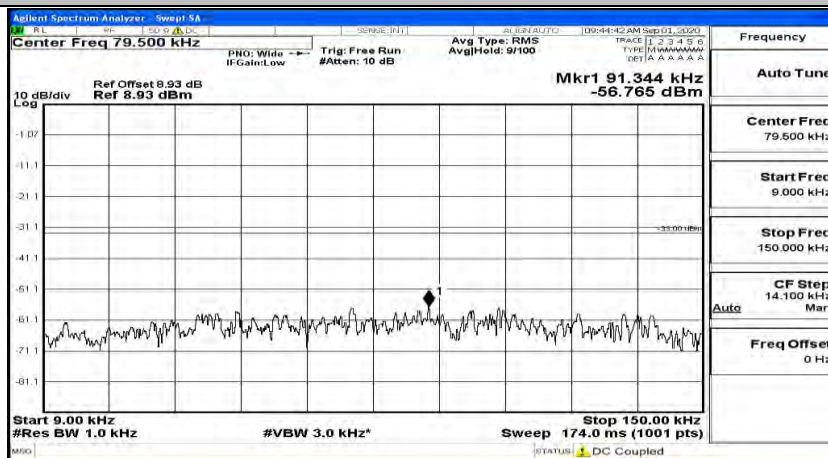


(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



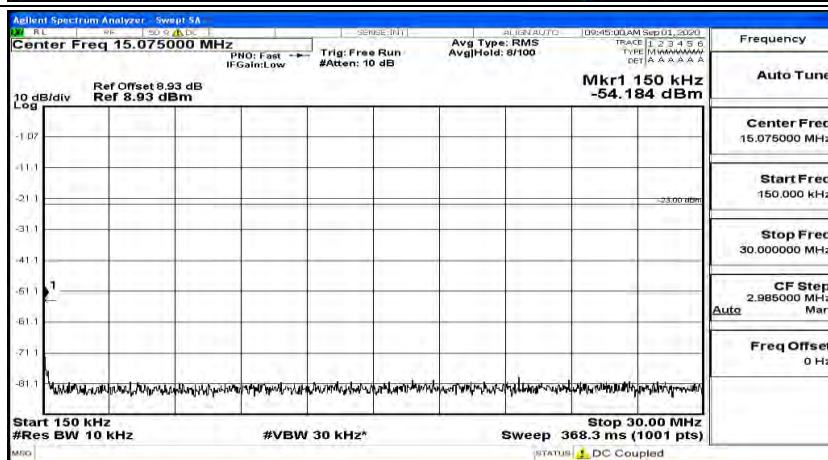
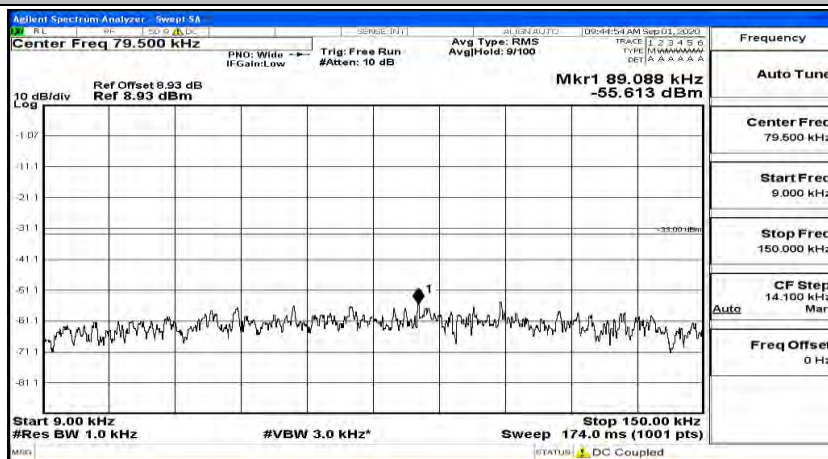


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

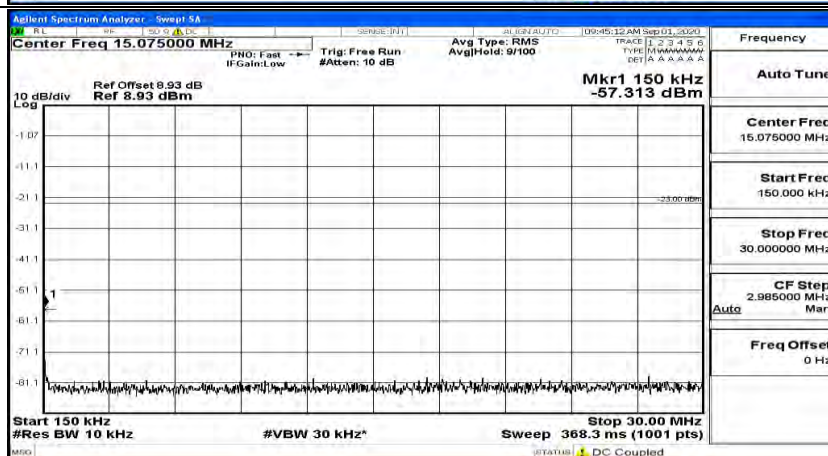
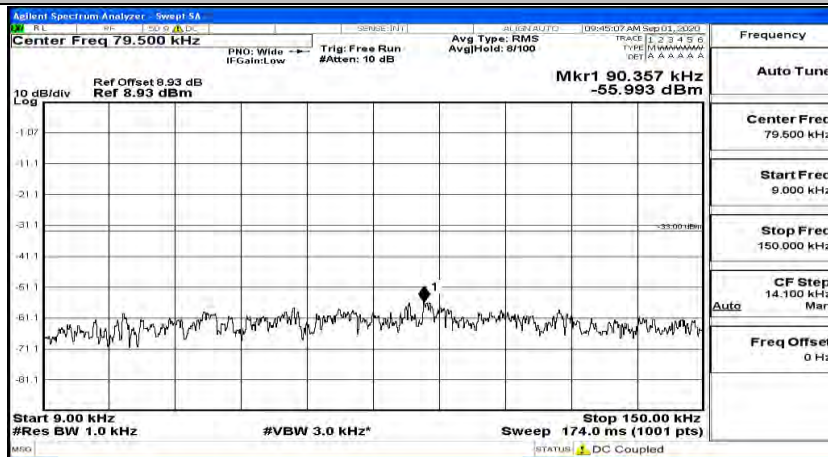




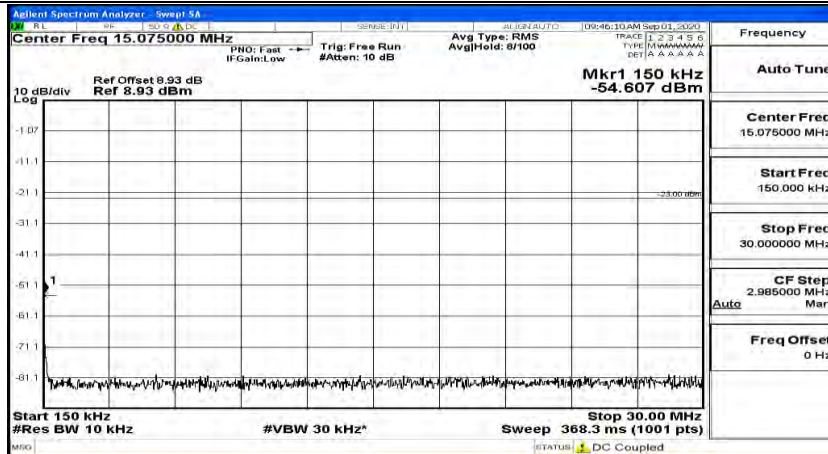
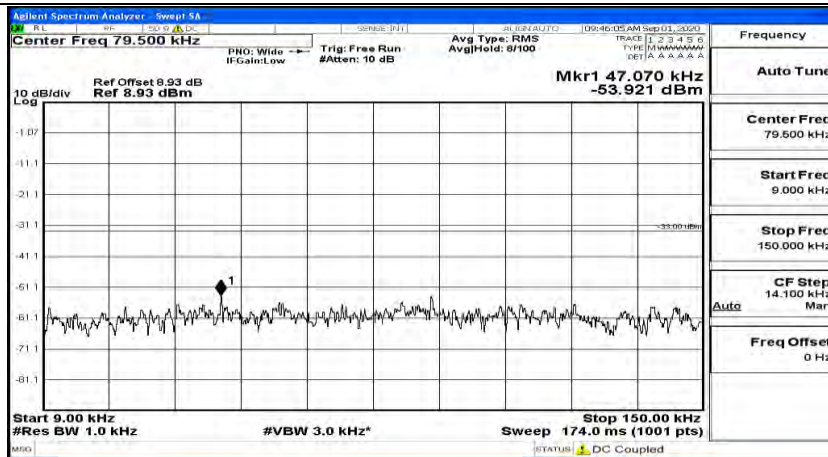
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



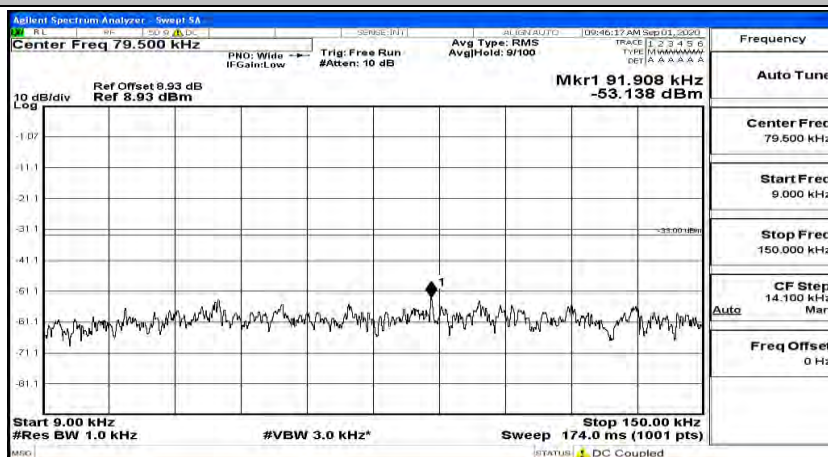
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

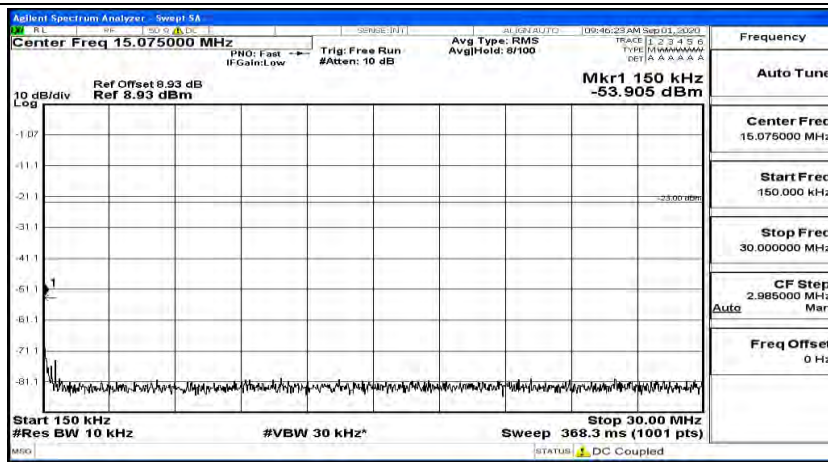


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

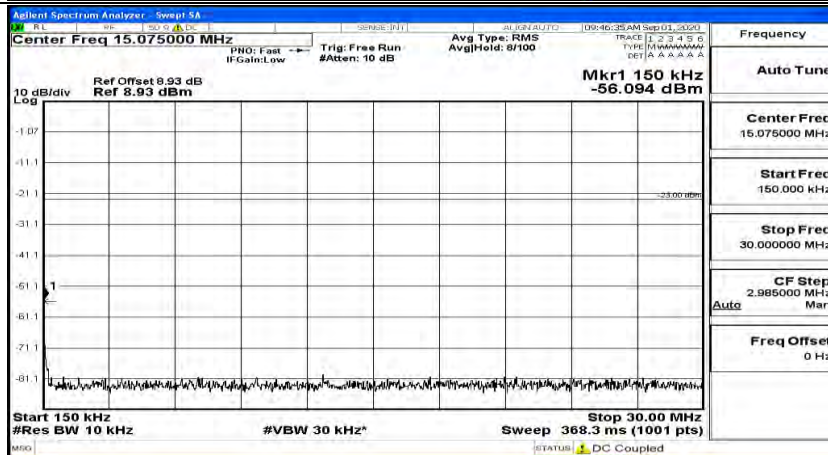
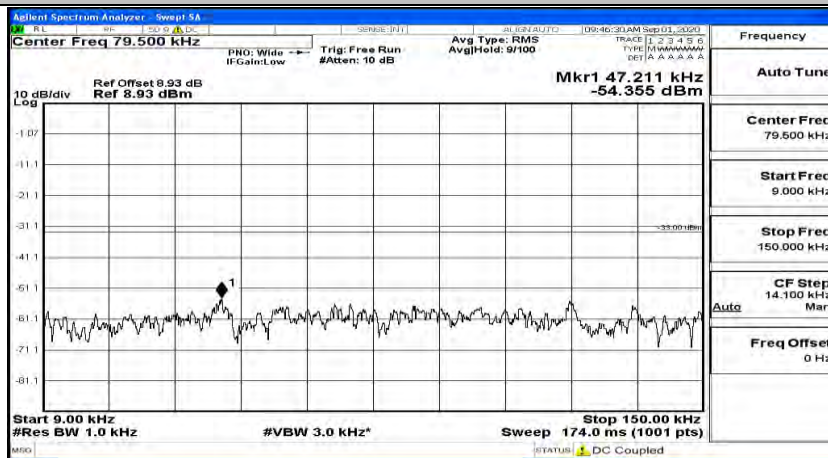


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



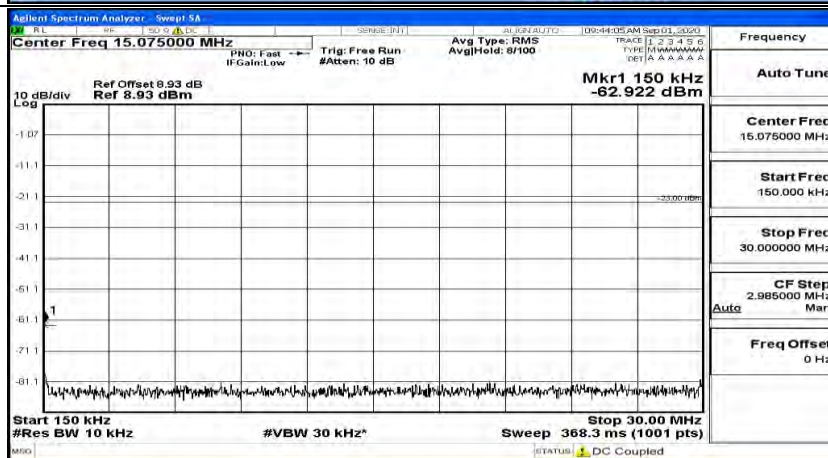
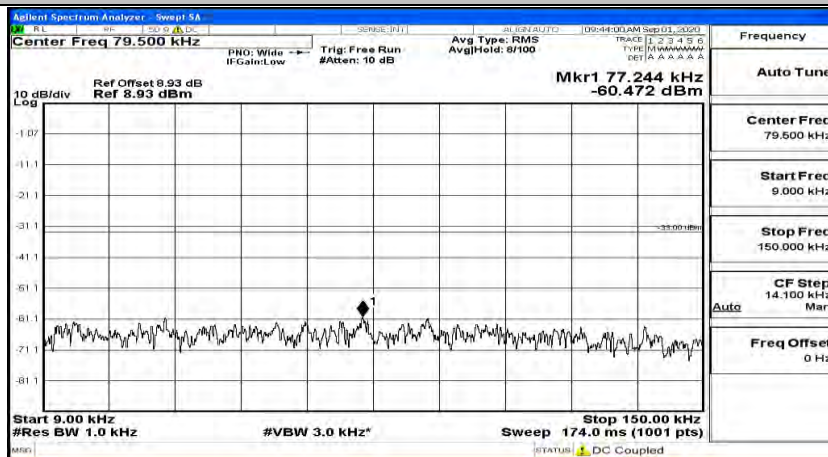


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

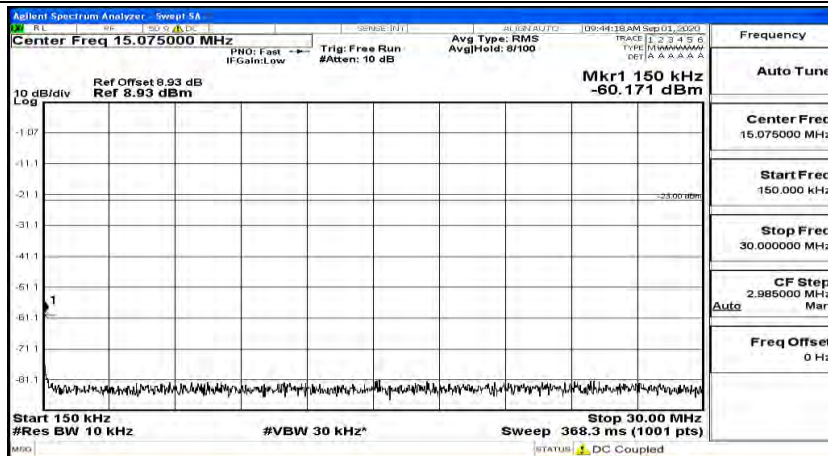
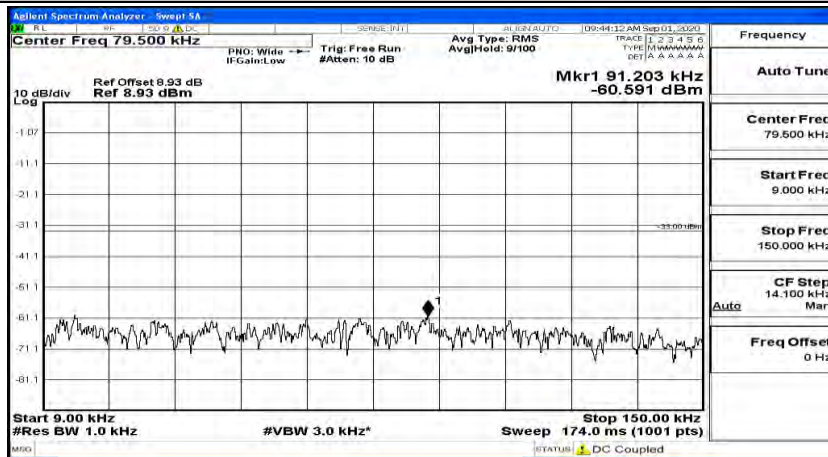




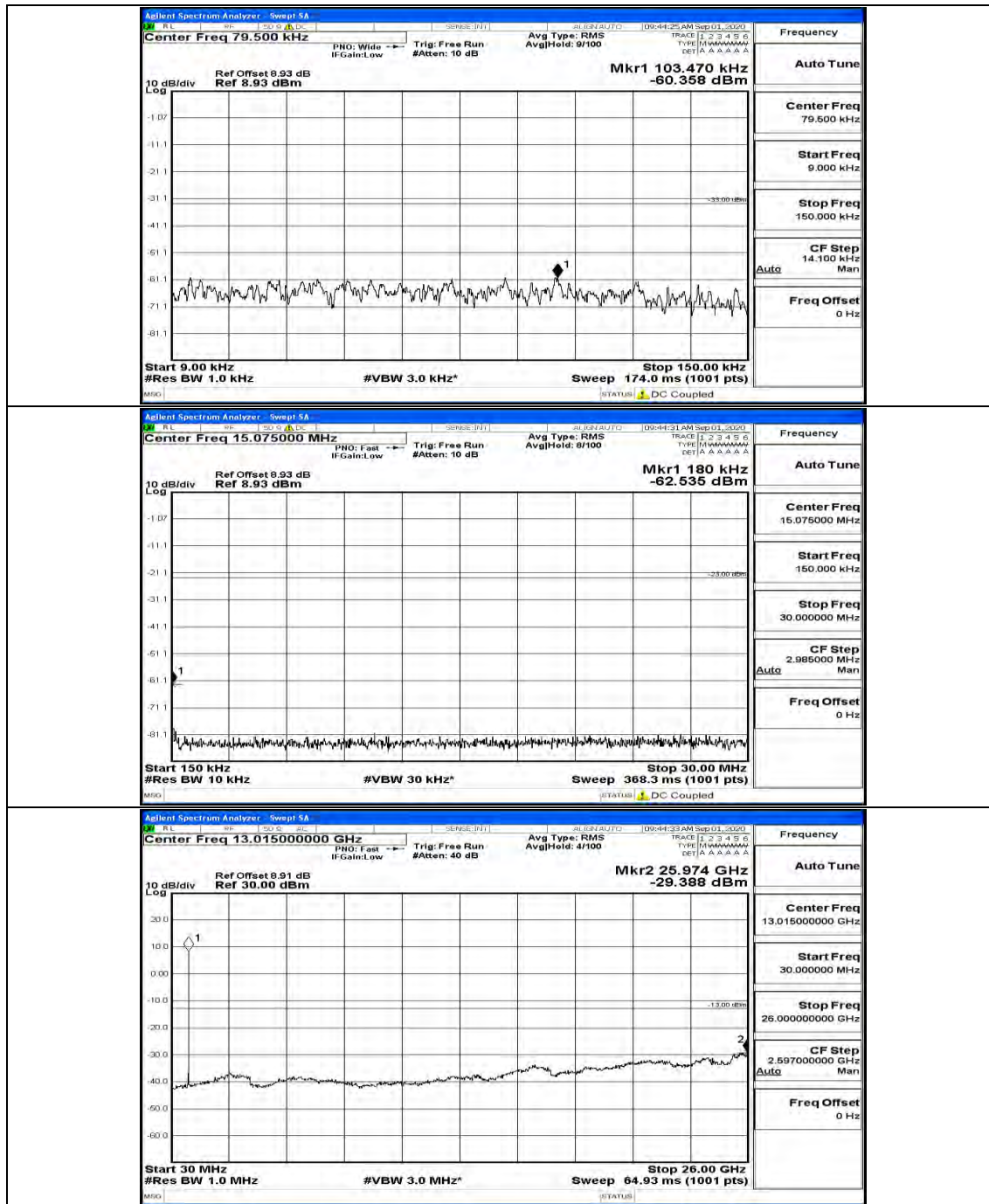
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



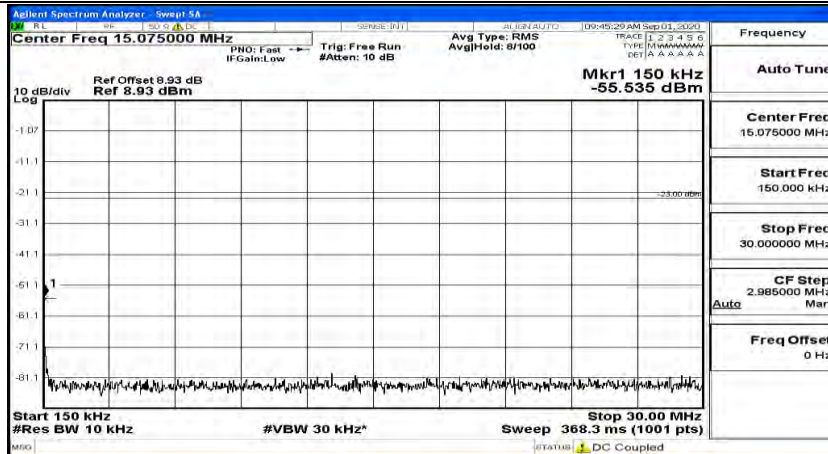
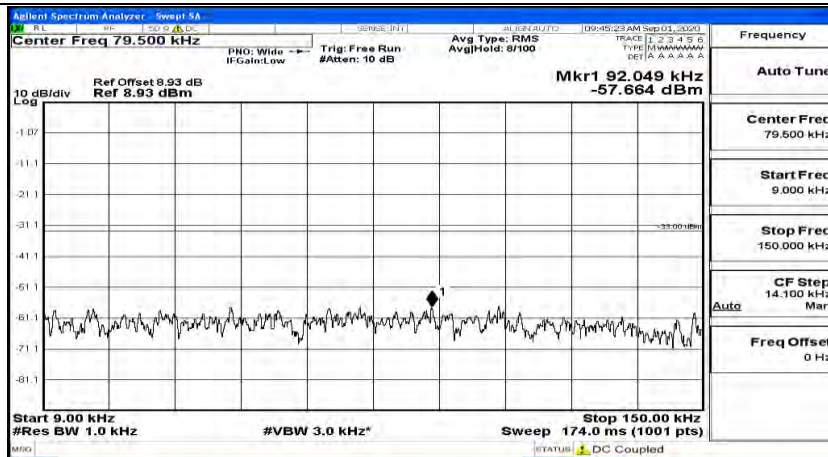
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



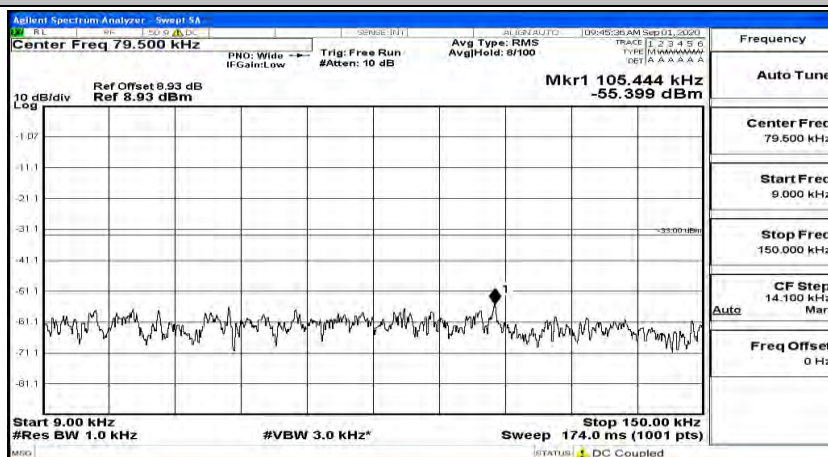
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

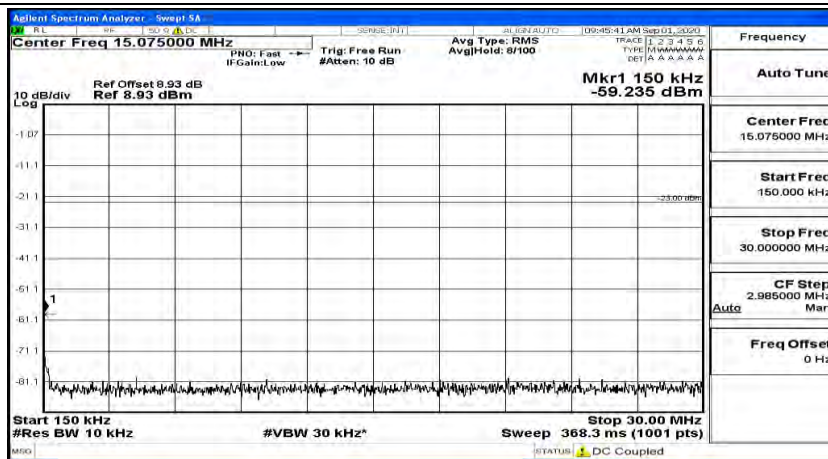


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

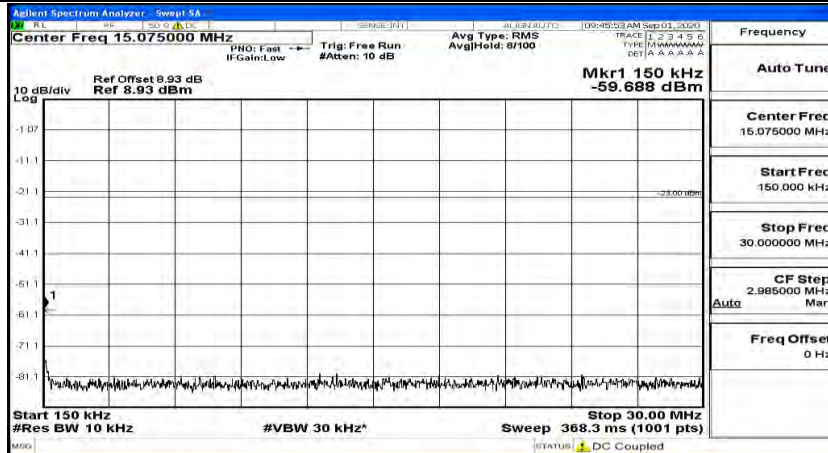
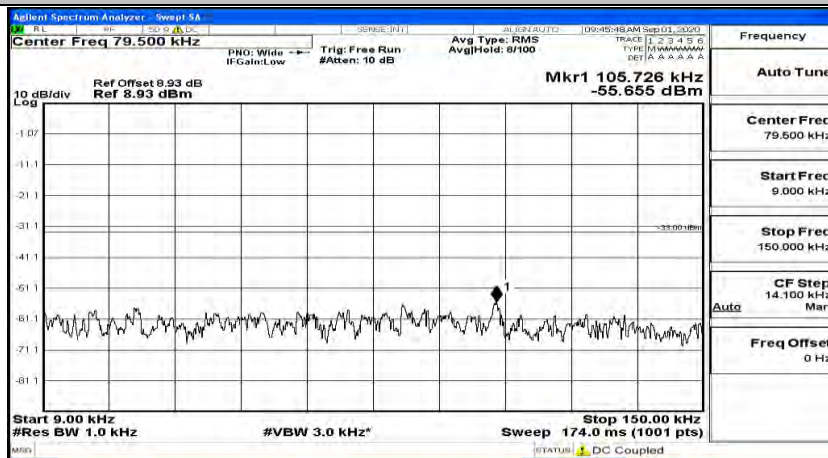


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



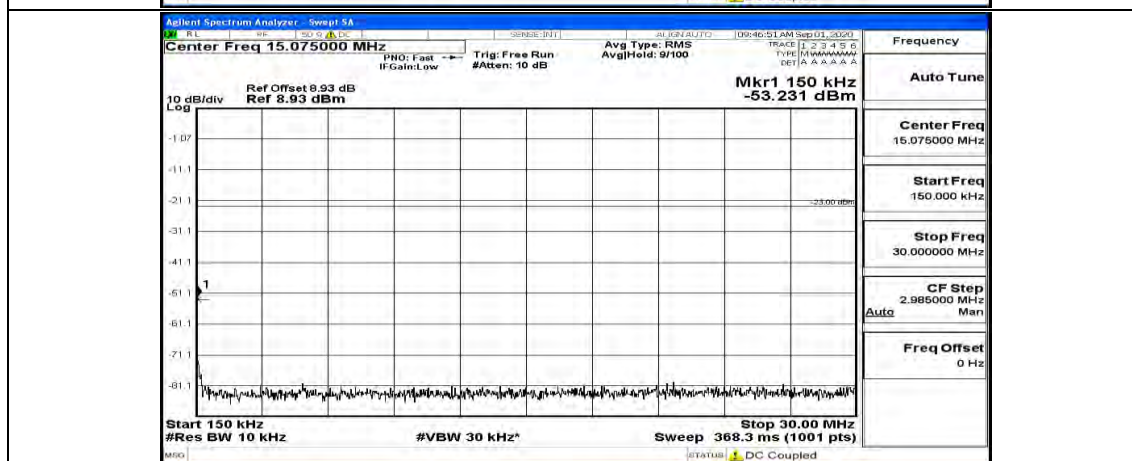
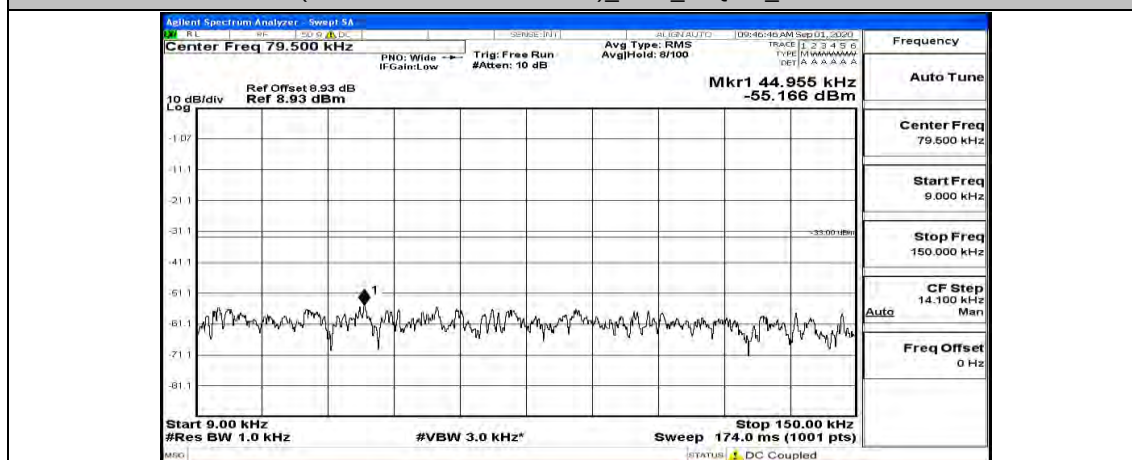


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



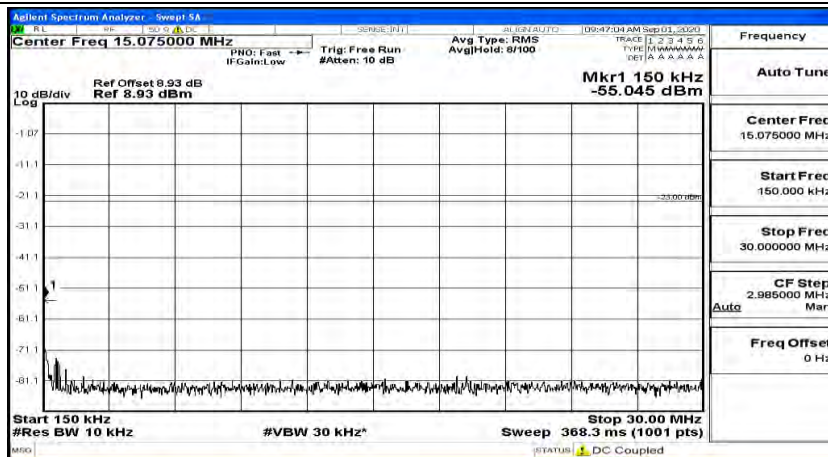
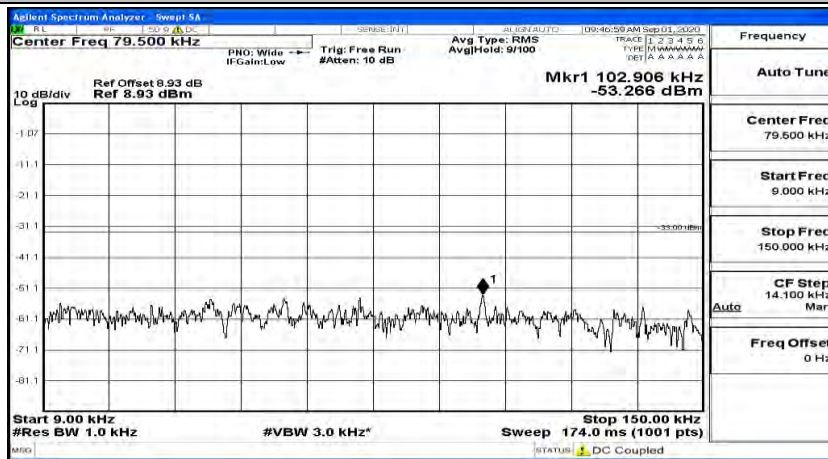


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

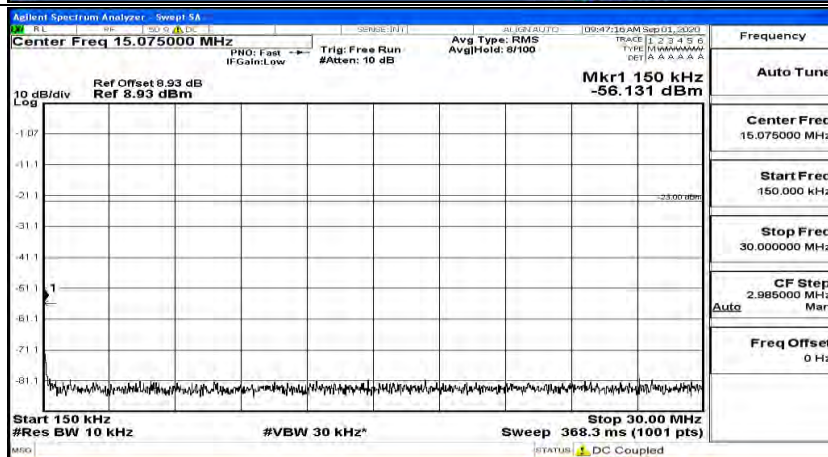
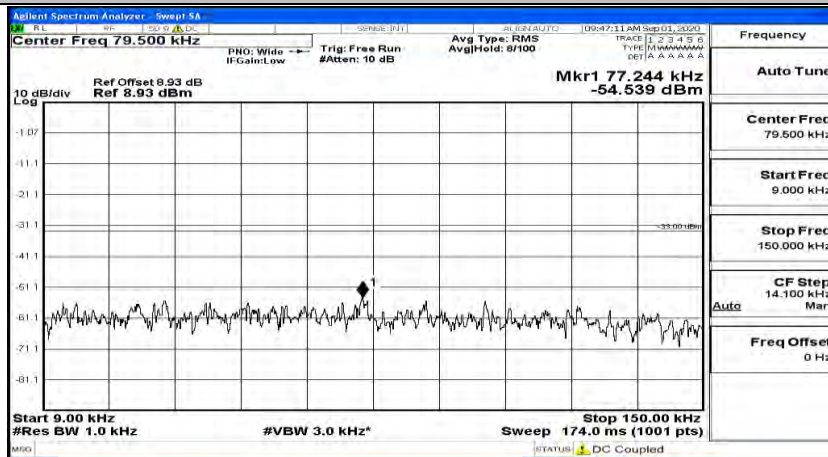




(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

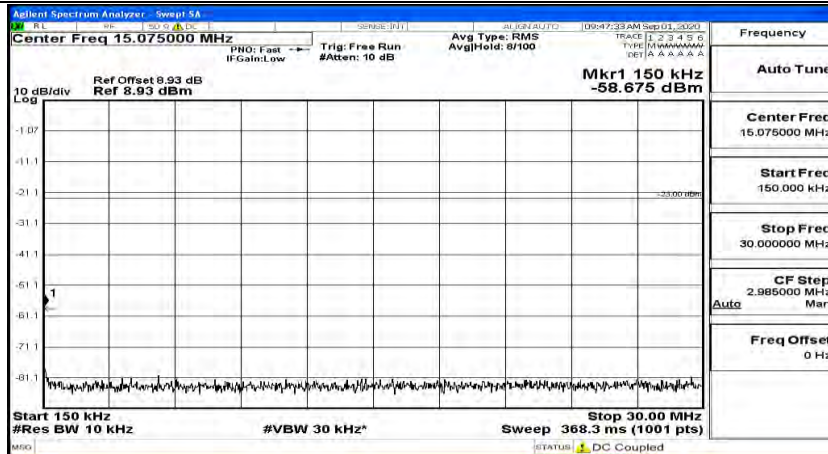
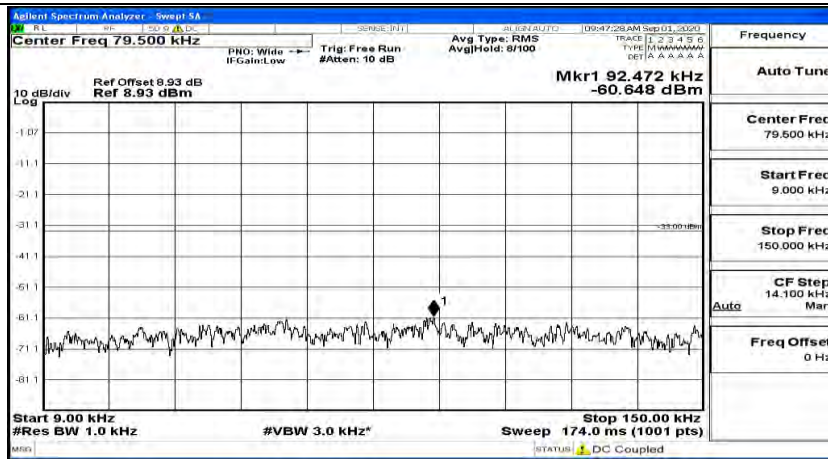


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

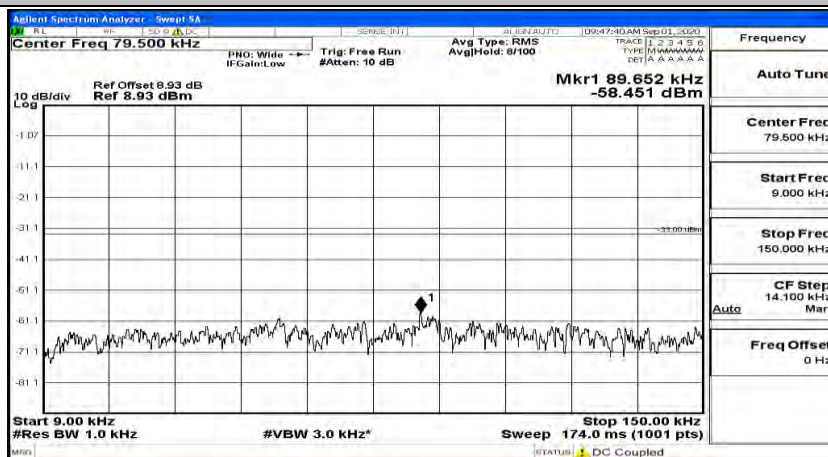


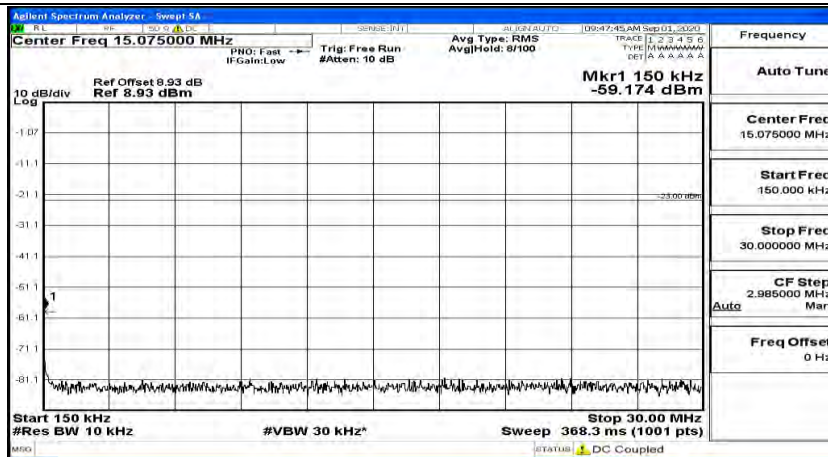
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12





(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

