Appendix H: Test Data for E-UTRA Band 12

Product Name: Tablet PC

HYUNDAI

Trade Mark:

Test Model: 10LC1

Environmental Conditions

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

H.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)							
Modulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiet	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	19.88	19.31	PASS	
		1	3	19.78	19.52	PASS	
		1	5	19.95	19.36	PASS	
	LCH	3	0	20.08	19.17	PASS	
		3	2	20.03	19.10	PASS	
		3	3	19.99	19.06	PASS	
		6	0	19.05	18.21	PASS	
		1	0	21.71	21.04	PASS	
QPSK /		1	3	22.09	21.09	PASS	
16QAM		1	5	22.18	21.15	PASS	
TOQAIVI	MCH	3	0	21.64	21.15	PASS	
		3	2	21.93	21.46	PASS	
		3	3	22.06	20.93	PASS	
		6	0	20.93	19.81	PASS	
		1	0	22.92	21.98	PASS	
		1	3	23.13	21.97	PASS	
	HCH	1	5	23.23	21.82	PASS	
		3	0	23.07	22.02	PASS	
		3	2	23.26	22.25	PASS	

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		3	3	23.17	22.06	PASS
		6	0	22.15	21.42	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict	
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict	
		1	0	20.39	19.47	PASS	
		1	7	20.72	19.69	PASS	
		1	14	20.72	20.39	PASS	
	LCH	8	0	19.39	18.60	PASS	
		8	4	19.47	18.60	PASS	
		8	7	19.52	18.75	PASS	
		15	0	19.54	18.56	PASS	
		1	0	21.58	21.03	PASS	
		1	7	22.24	21.68	PASS	
QPSK /		1	14	22.22	21.71	PASS	
16QAM	MCH	8	0	21.02	19.88	PASS	
IOQAW		8	4	21.28	20.35	PASS	
		8	7	21.39	20.38	PASS	
		15	0	21.21	20.28	PASS	
		1	0	23.33	21.91	PASS	
		1	7	24.12	22.81	PASS	
		1	14	23.48	22.16	PASS	
	HCH	8	0	22.54	21.50	PASS	
		8	4	22.49	21.54	PASS	
		8	7	22.52	21.44	PASS	
		15	0	22.41	21.47	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a.u.di.a.t	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	20.15	19.13	PASS	
		1	12	21.17	19.62	PASS	
		1	24	21.06	19.66	PASS	
	LCH	12	0	19.55	18.56	PASS	
		12	6	19.73	18.71	PASS	
		12	13	19.94	18.90	PASS	
		25	0	19.61	18.81	PASS	
	мсн	1	0	21.64	20.56	PASS	
		1	12	22.83	21.33	PASS	
QPSK /		1	24	22.61	21.33	PASS	
16QAM		12	0	20.81	19.96	PASS	
TOQAIVI		12	6	21.22	20.26	PASS	
		12	13	21.50	20.57	PASS	
		25	0	21.29	20.36	PASS	
		1	0	23.04	21.82	PASS	
		1	12	23.86	22.67	PASS	
		1	24	23.39	22.01	PASS	
	HCH	12	0	22.36	21.34	PASS	
		12	6	22.58	21.39	PASS	
		12	13	22.47	21.35	PASS	
		25	0	22.34	21.54	PASS	

	Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a nali a t		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	20.14	19.57	PASS		
		1	24	21.27	21.02	PASS		
		1	49	22.17	21.71	PASS		
	LCH	25	0	19.61	18.73	PASS		
		25	12	20.36	19.40	PASS		
		25	25	20.98	19.95	PASS		
		50	0	20.37	19.48	PASS		
	мсн	1	0	20.65	20.11	PASS		
		1	24	22.23	21.84	PASS		
QPSK /		1	49	23.05	22.25	PASS		
16QAM		25	0	20.56	19.48	PASS		
TOQAIVI		25	12	21.32	20.34	PASS		
		25	25	21.67	20.64	PASS		
		50	0	21.22	20.28	PASS		
		1	0	21.66	20.61	PASS		
		1	24	22.88	21.63	PASS		
		1	49	23.45	22.14	PASS		
	HCH	25	0	21.67	20.86	PASS		
		25	12	22.11	21.01	PASS		
		25	25	22.45	21.52	PASS		
		50	0	21.91	20.90	PASS		

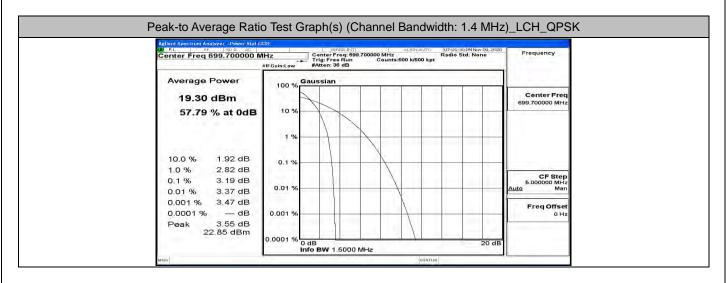
H.2 Peak-to-Average Ratio

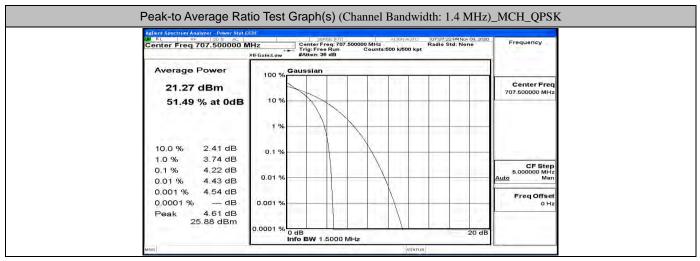
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
iviodulation	Griannei	[dB]	[dB]	verdict		
	LCH	3.19	<13	PASS		
QPSK	MCH	4.22	<13	PASS		
	HCH	4.23	<13	PASS		
16QAM	LCH	4.1	<13	PASS		
	MCH	5.13	<13	PASS		
	HCH	5.15	<13	PASS		

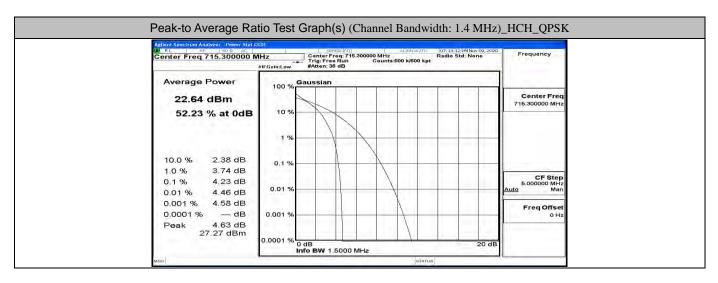
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Channel	[dB]	[dB]	verdict		
	LCH	3.9	<13	PASS		
QPSK	MCH	4.22	<13	PASS		
	HCH	4.3	<13	PASS		
16QAM	LCH	4.64	<13	PASS		
	MCH	5.17	<13	PASS		
	HCH	5.05	<13	PASS		

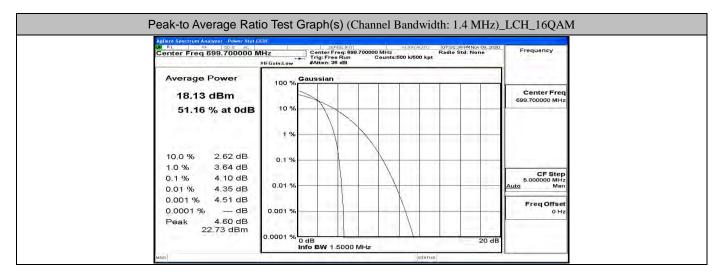
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict		
Modulation	Griannei	[dB]	[dB]	Verdict		
	LCH	4.2	<13	PASS		
QPSK	MCH	4.11	<13	PASS		
	HCH	4.14	<13	PASS		
	LCH	4.91	<13	PASS		
16QAM	MCH	4.91	<13	PASS		
	HCH	4.87	<13	PASS		

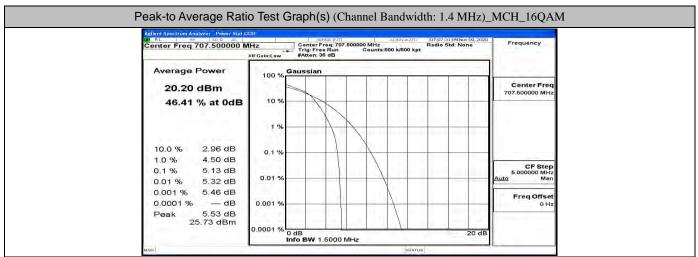
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
iviodulation	Griannei	[dB]	[dB]	verdict		
	LCH	4.64	<13	PASS		
QPSK	MCH	4.21	<13	PASS		
	HCH	4.38	<13	PASS		
	LCH	5.45	<13	PASS		
16QAM	MCH	5.02	<13	PASS		
	HCH	5.03	<13	PASS		

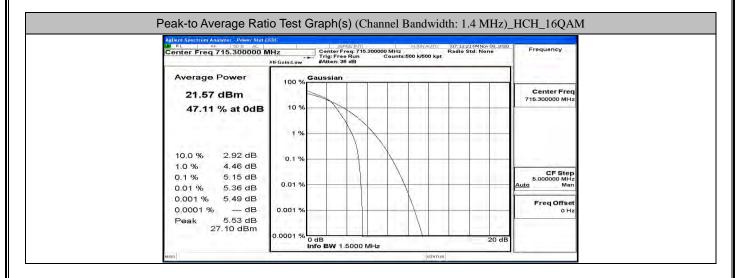


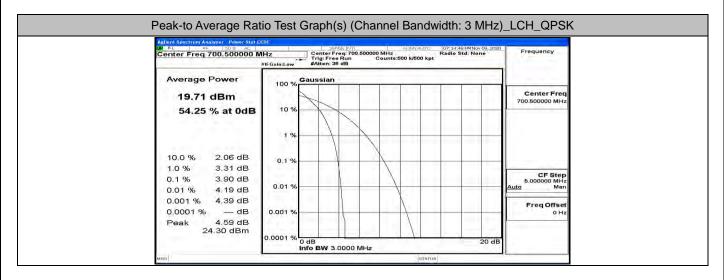


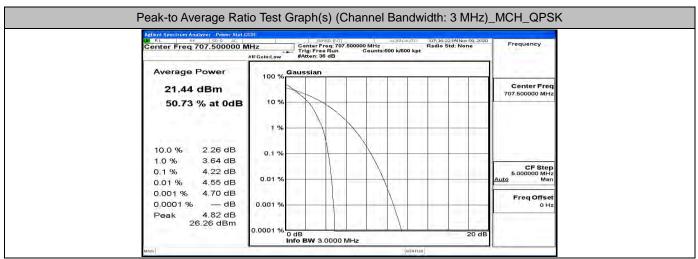


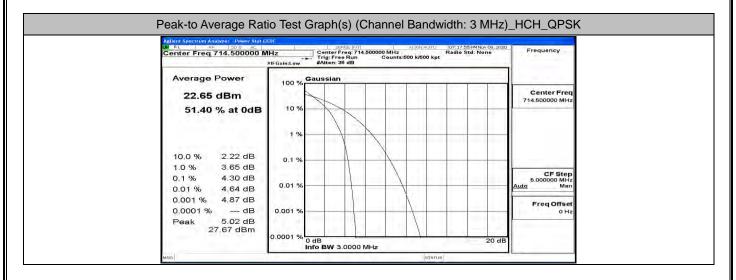


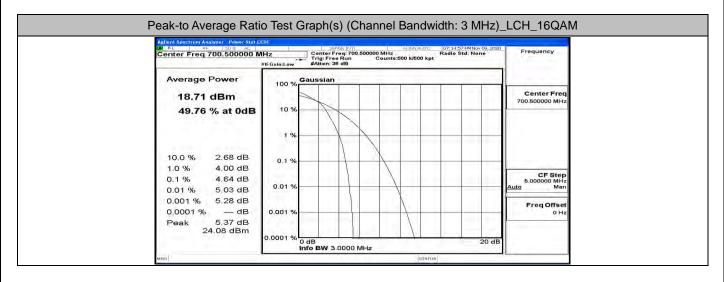


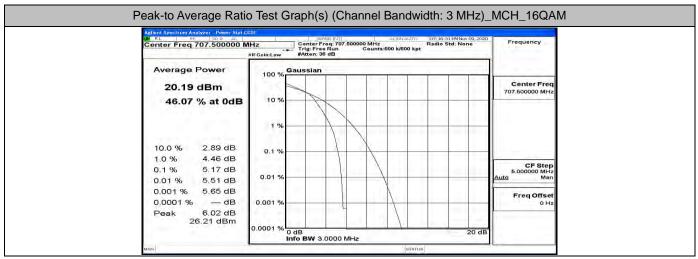


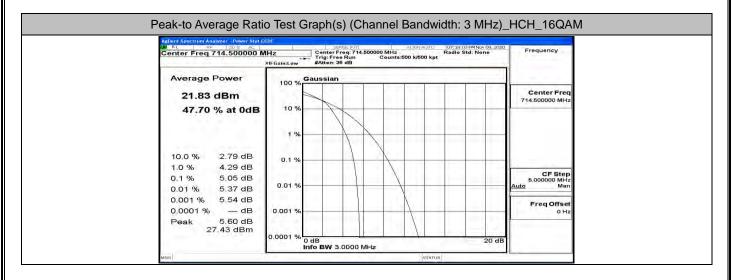


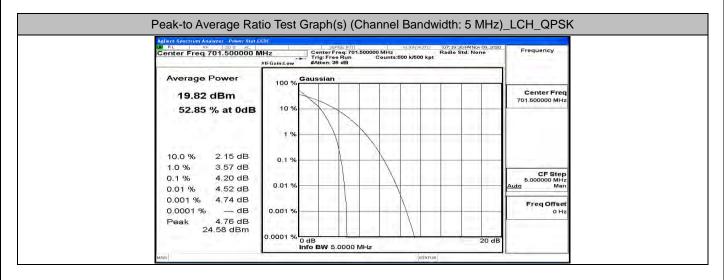


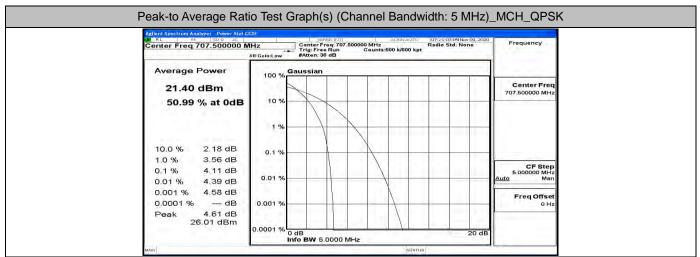


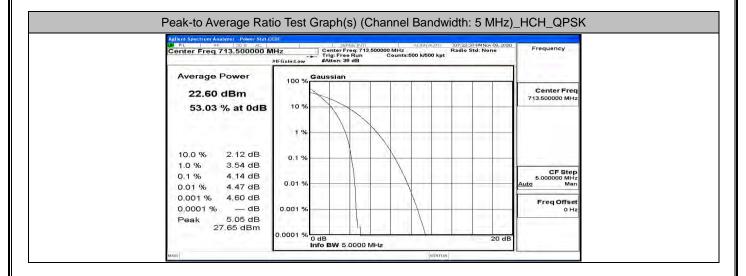


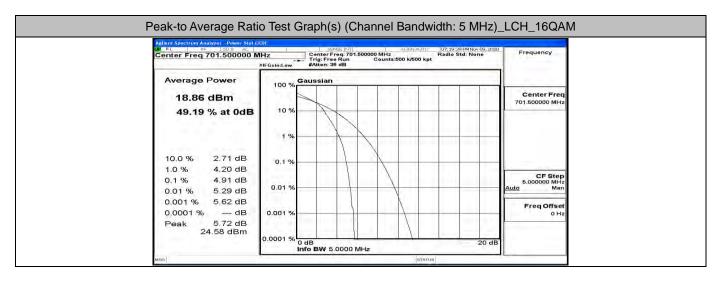


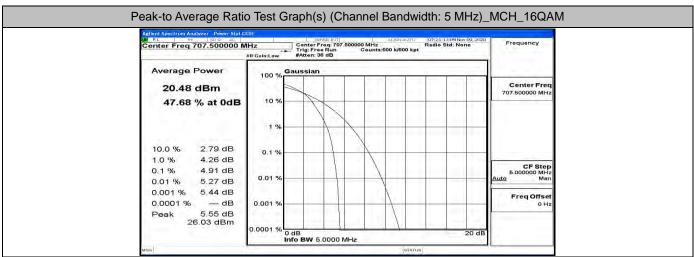


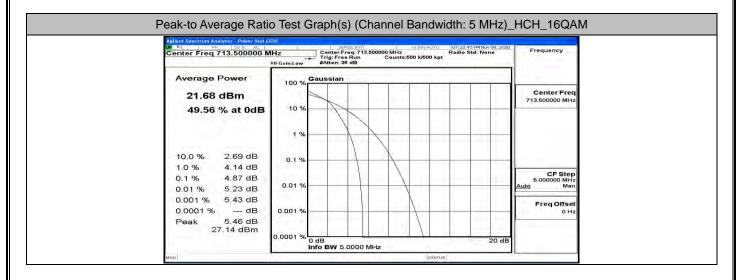


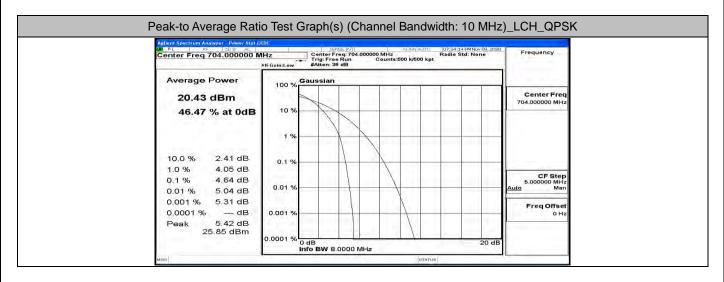


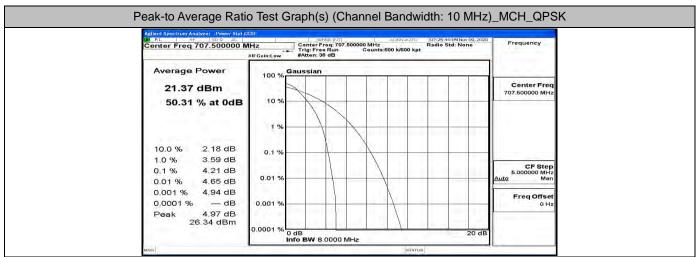


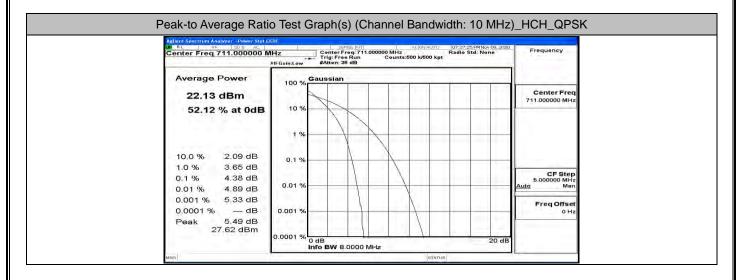


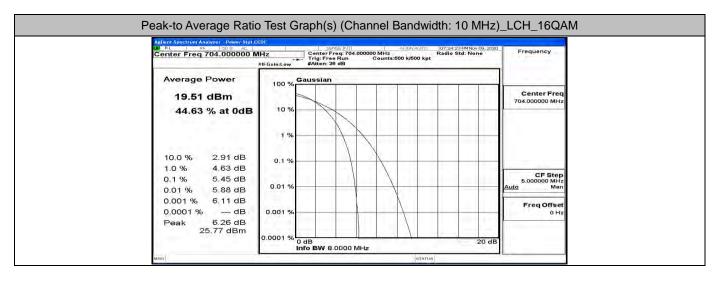


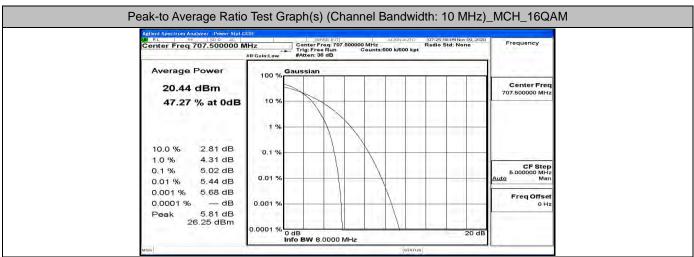


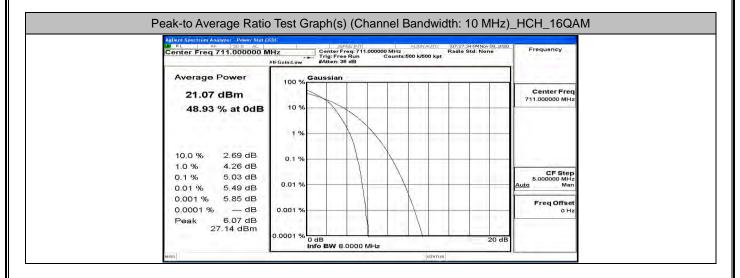












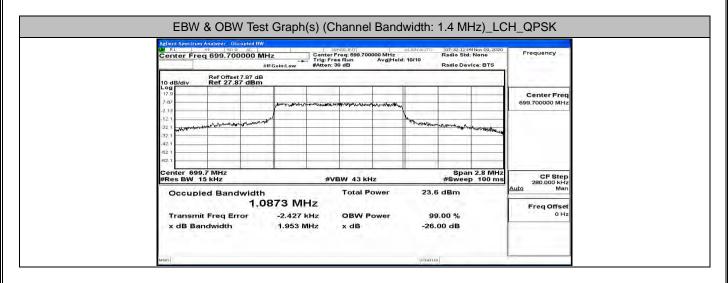
H.3 26dB Bandwidth and Occupied Bandwidth

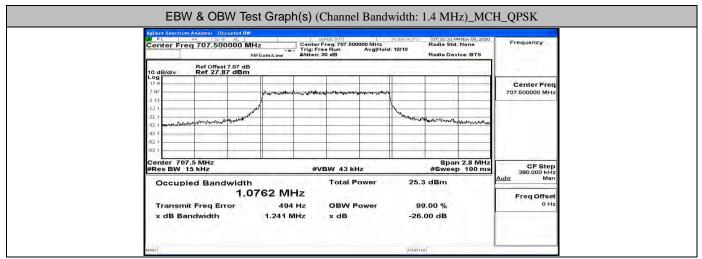
	EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict			
Modulation	Griannei	(MHz)	(MHz)	verdict			
	LCH	1.0873	1.953	PASS			
QPSK	MCH	1.0762	1.241	PASS			
	HCH	1.0792	1.243	PASS			
16QAM	LCH	1.0825	1.653	PASS			
	MCH	1.0794	1.270	PASS			
	HCH	1.0786	1.225	PASS			

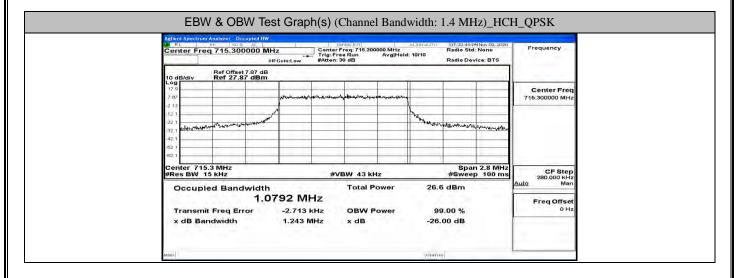
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Vardiet		
Modulation	Griannei	(MHz)	(MHz)	Verdict		
	LCH	2.6933	3.699	PASS		
QPSK	MCH	2.6850	2.906	PASS		
	HCH	2.6828	2.926	PASS		
	LCH	2.6919	3.140	PASS		
16QAM	MCH	2.6861	2.866	PASS		
	HCH	2.6884	2.921	PASS		

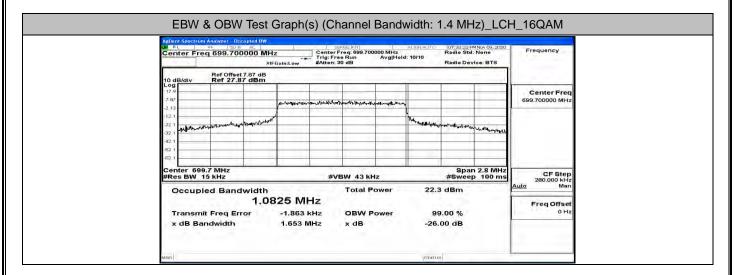
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
		(MHz)	(MHz)			
QPSK	LCH	4.4932	4.954	PASS		
	MCH	4.4750	4.829	PASS		
	HCH	4.4849	4.986	PASS		
16QAM	LCH	4.4959	4.911	PASS		
	MCH	4.4680	4.768	PASS		
	HCH	4.4832	4.884	PASS		

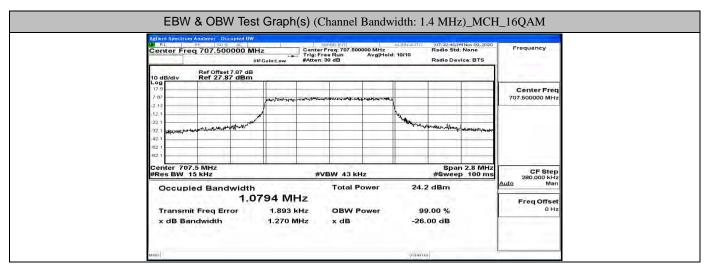
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
		(MHz)	(MHz)			
QPSK	LCH	8.9520	9.499	PASS		
	MCH	8.8663	9.410	PASS		
	HCH	8.9129	9.831	PASS		
16QAM	LCH	8.9590	9.508	PASS		
	MCH	8.8980	9.325	PASS		
	HCH	8.8966	9.421	PASS		

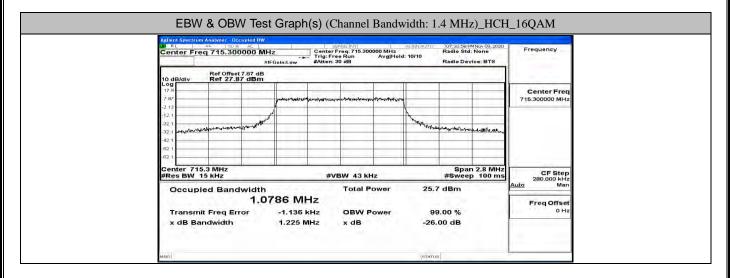


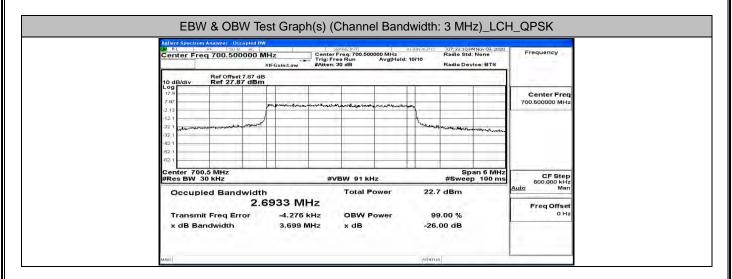


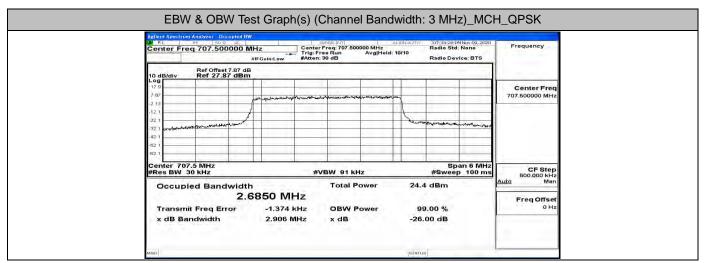


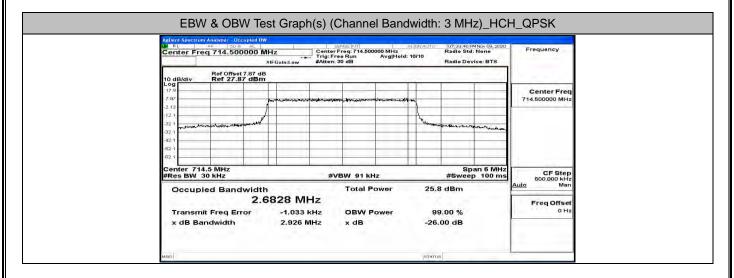


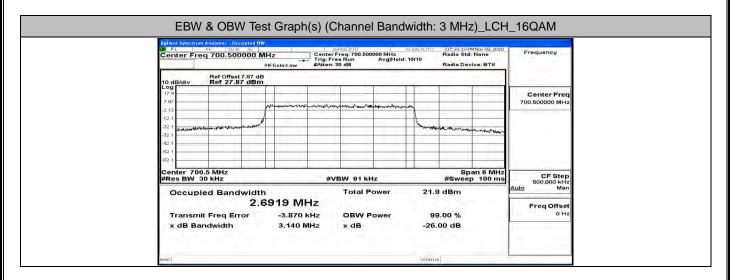


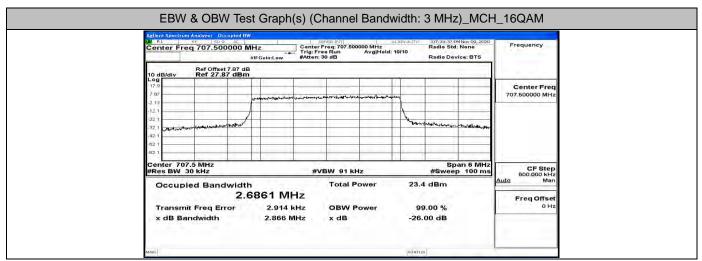


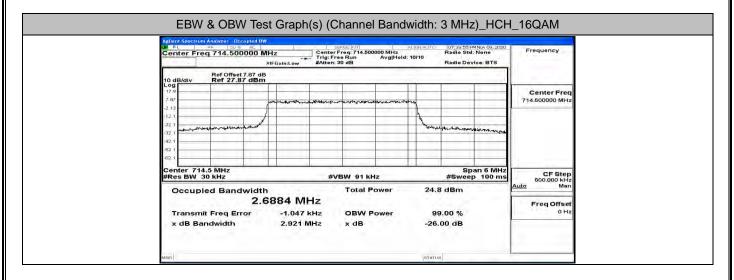


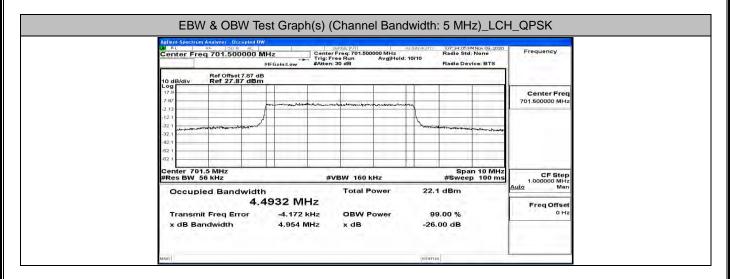


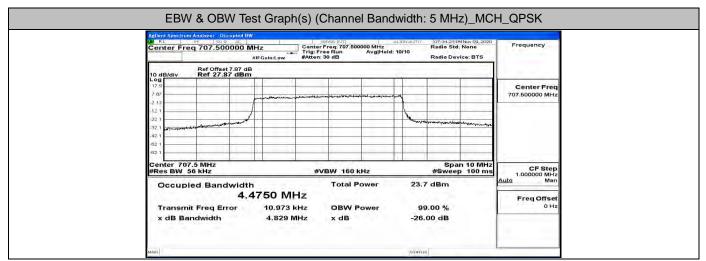


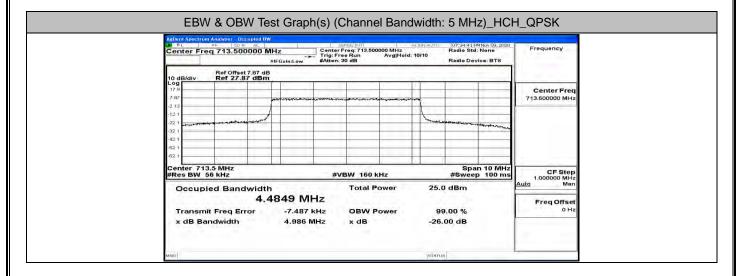


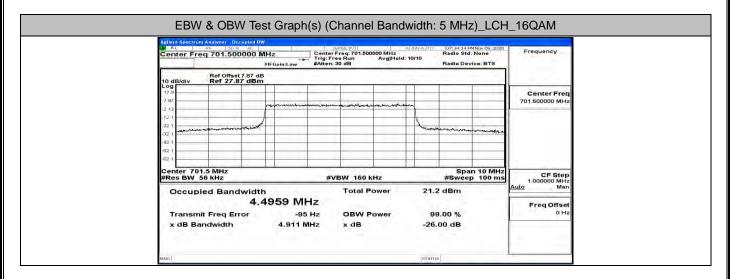


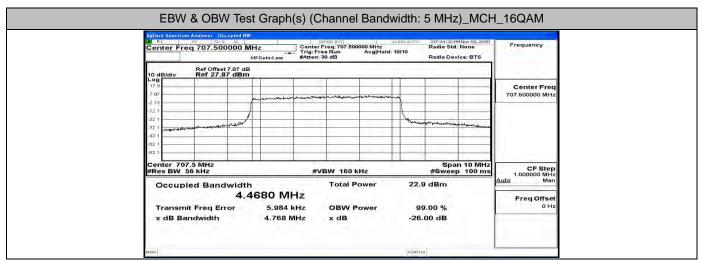


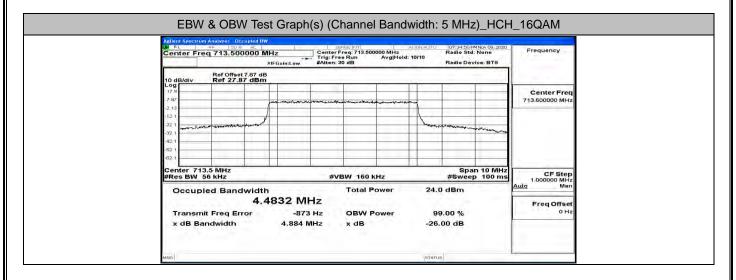


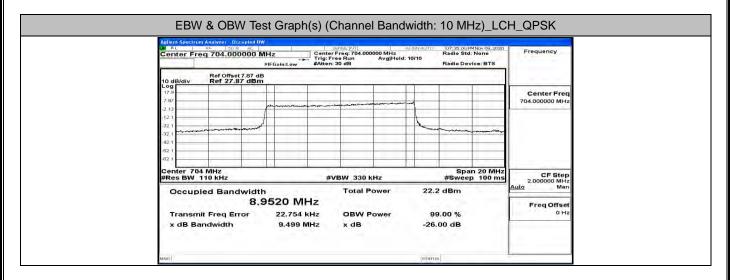


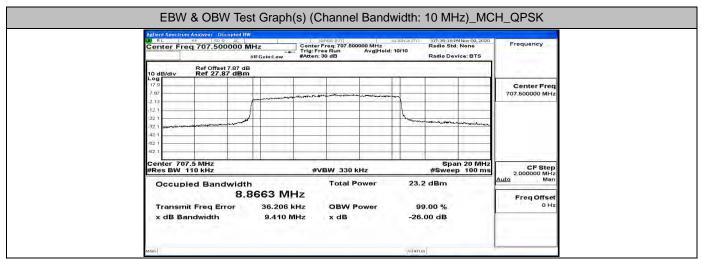


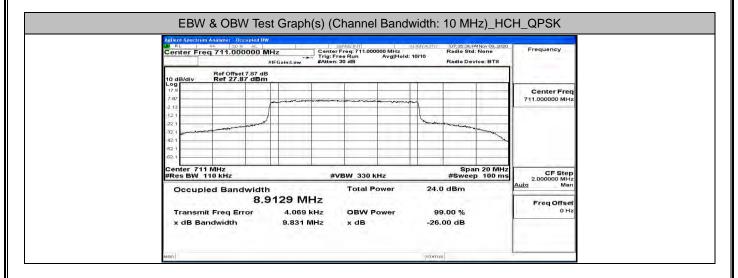


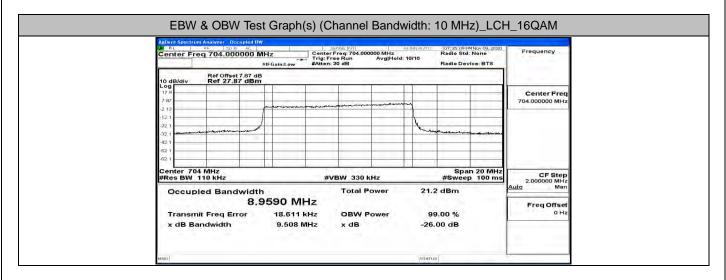


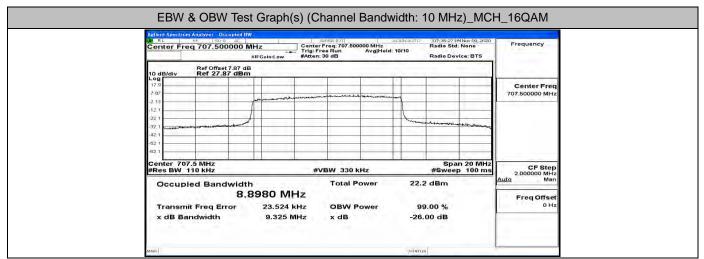


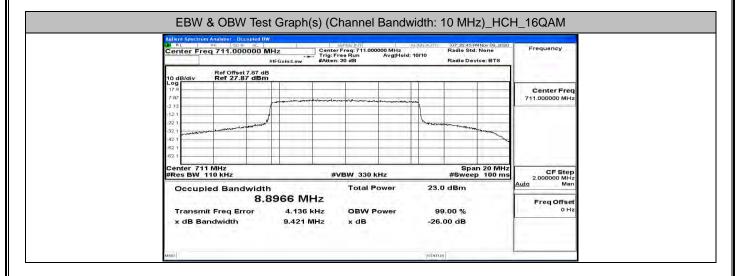




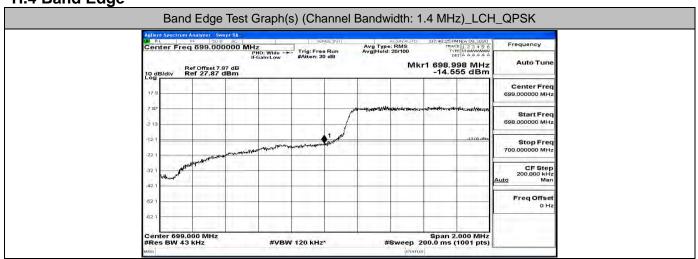


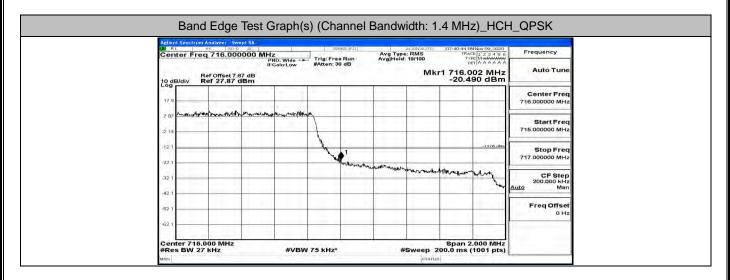


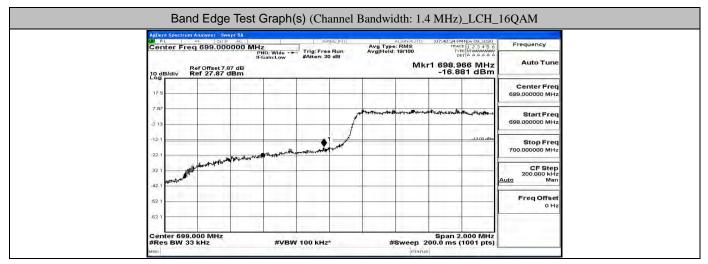


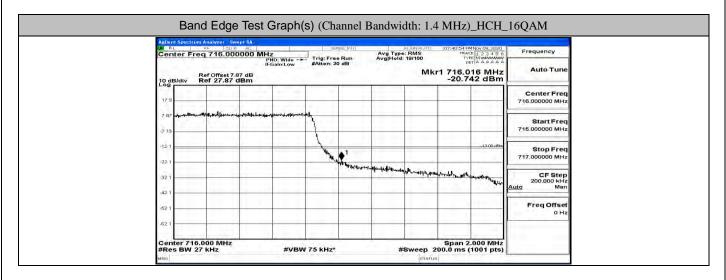


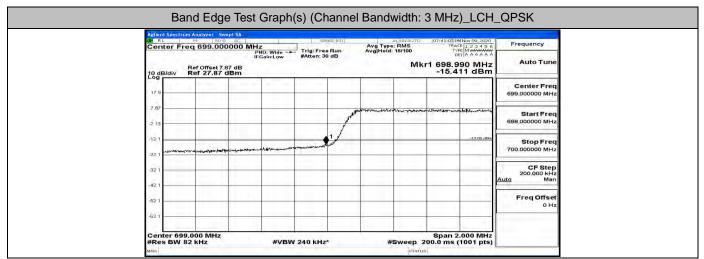
H.4 Band Edge

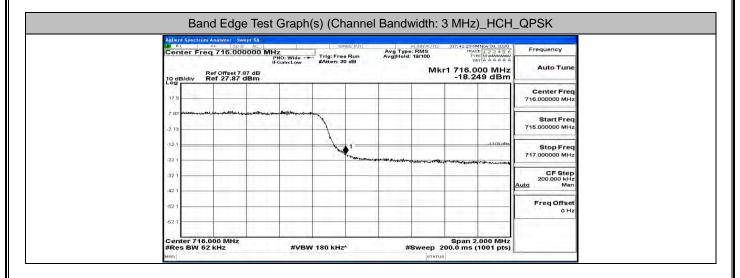


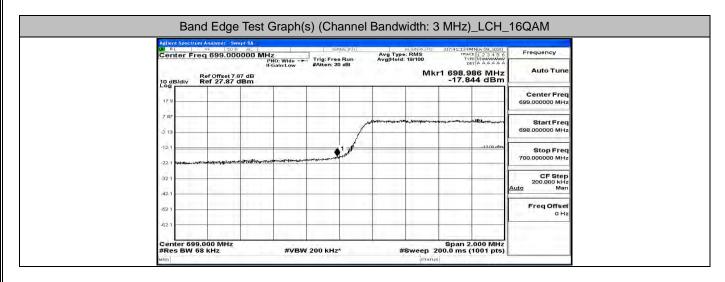


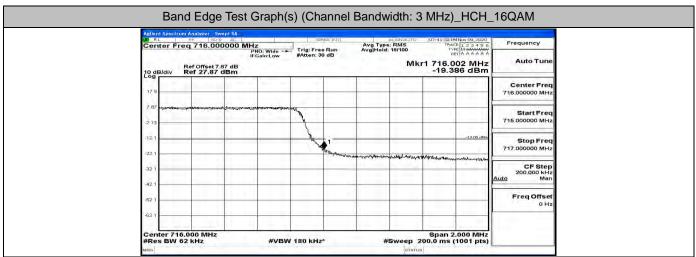


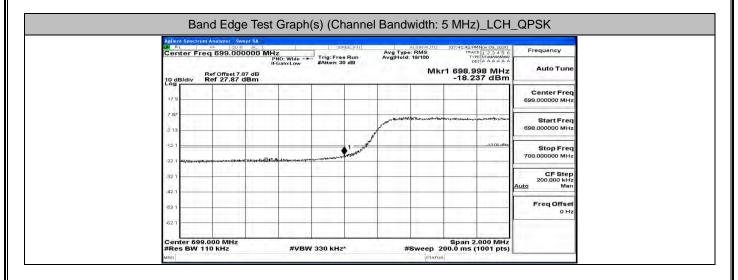


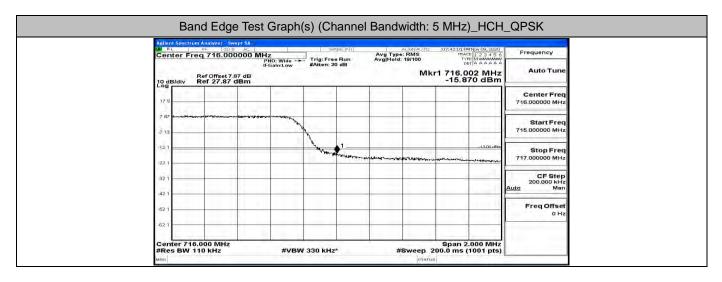


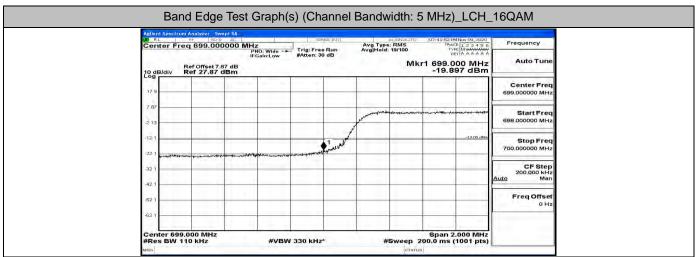


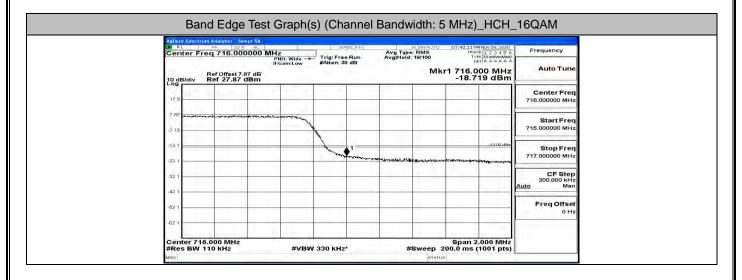


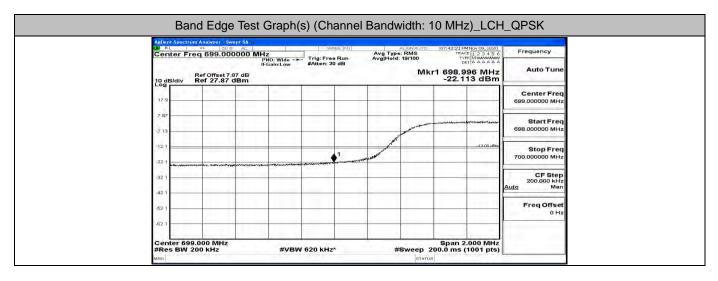


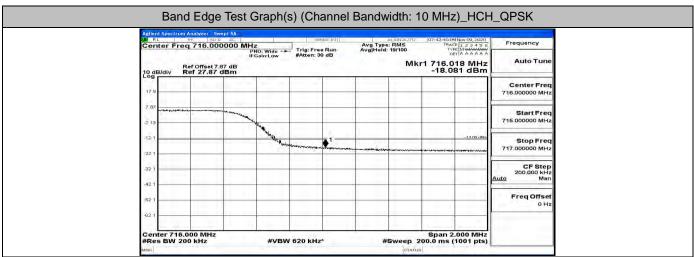


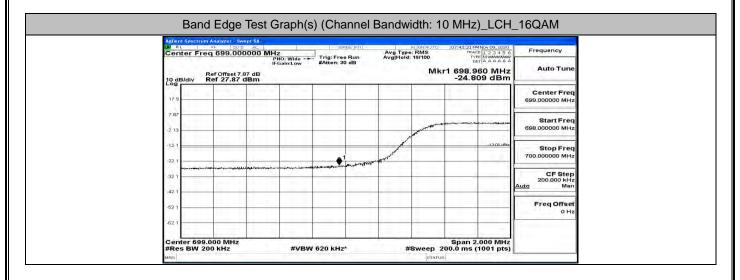


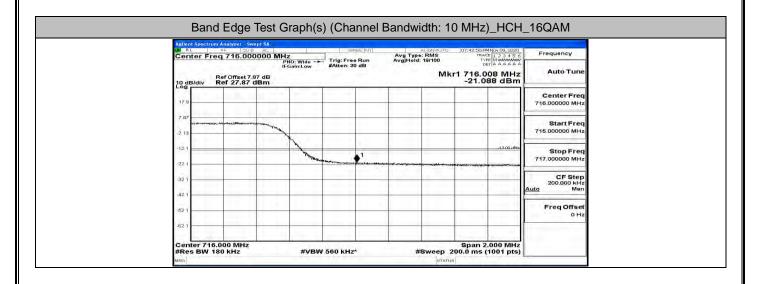




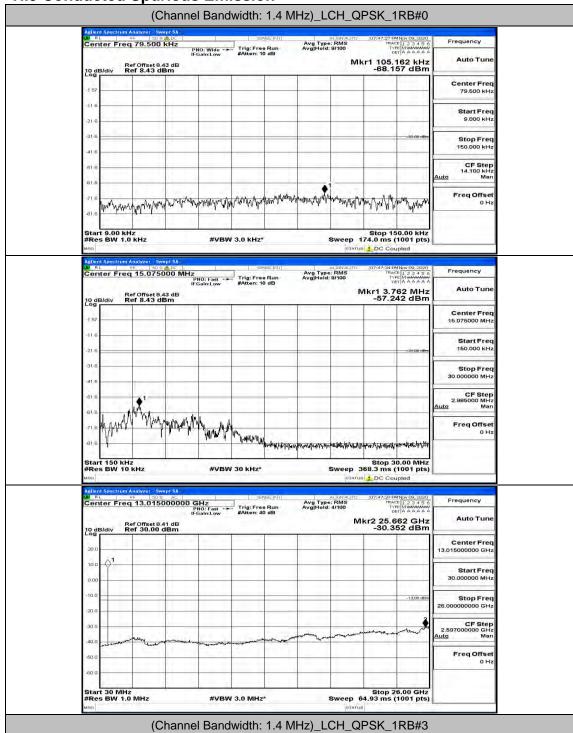


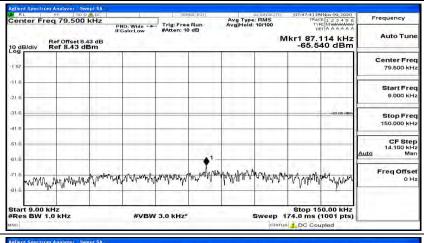


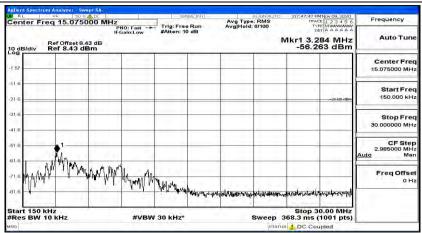




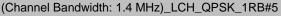
H.5 Conducted Spurious Emission

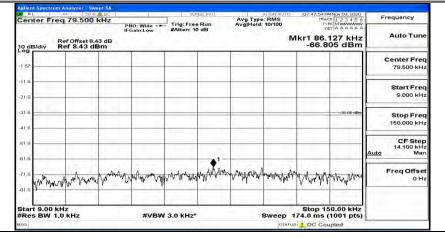


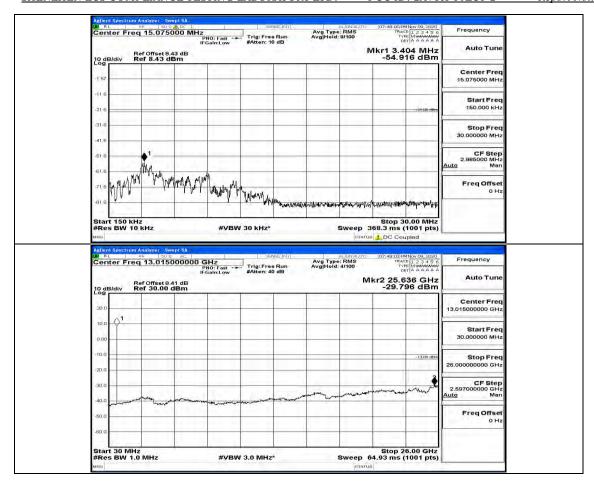


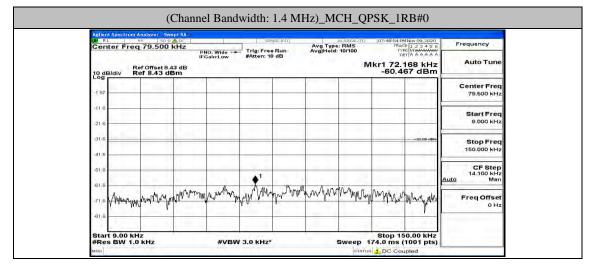


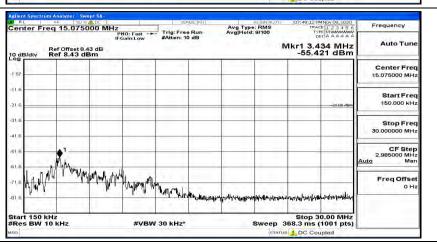


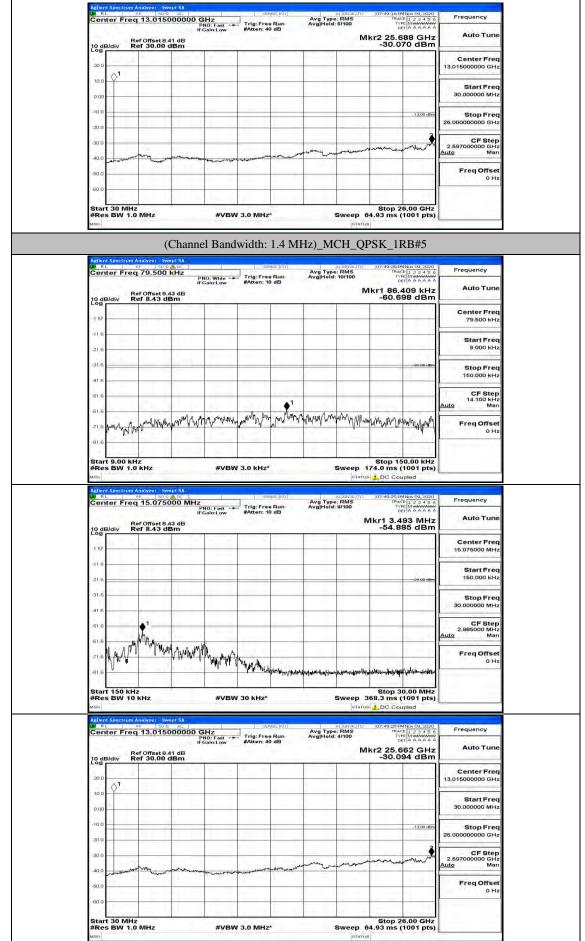


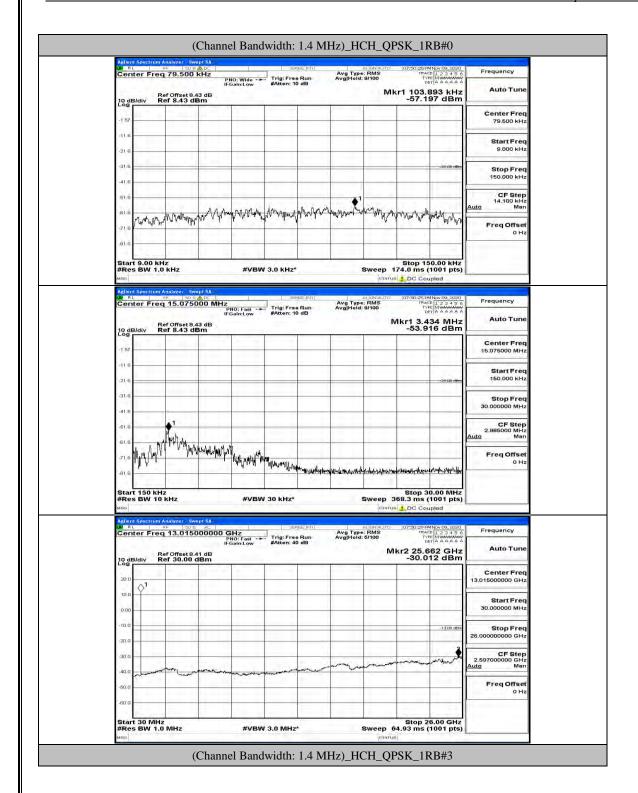


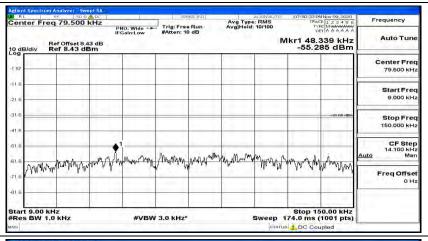


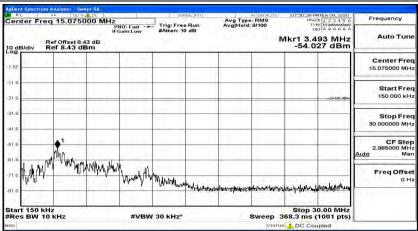




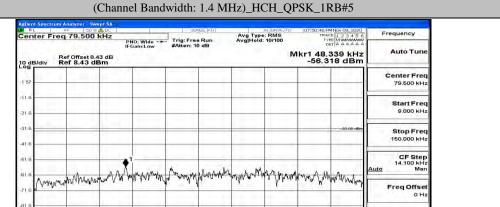






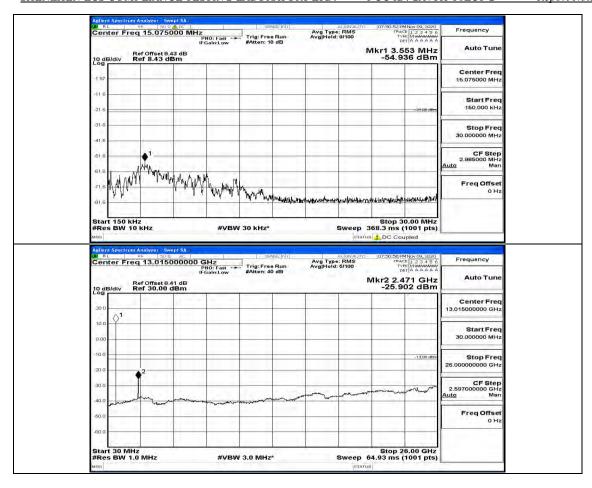


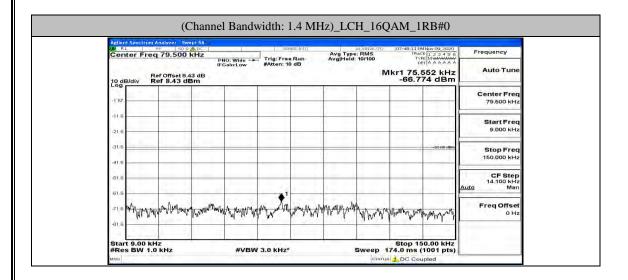


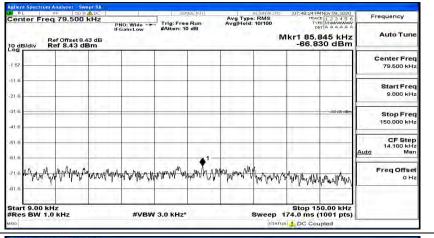


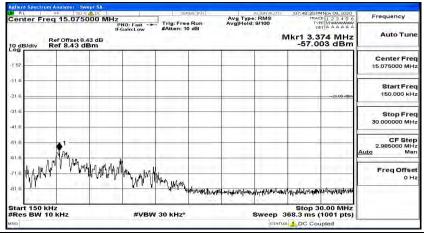
#VBW 3.0 kHz*

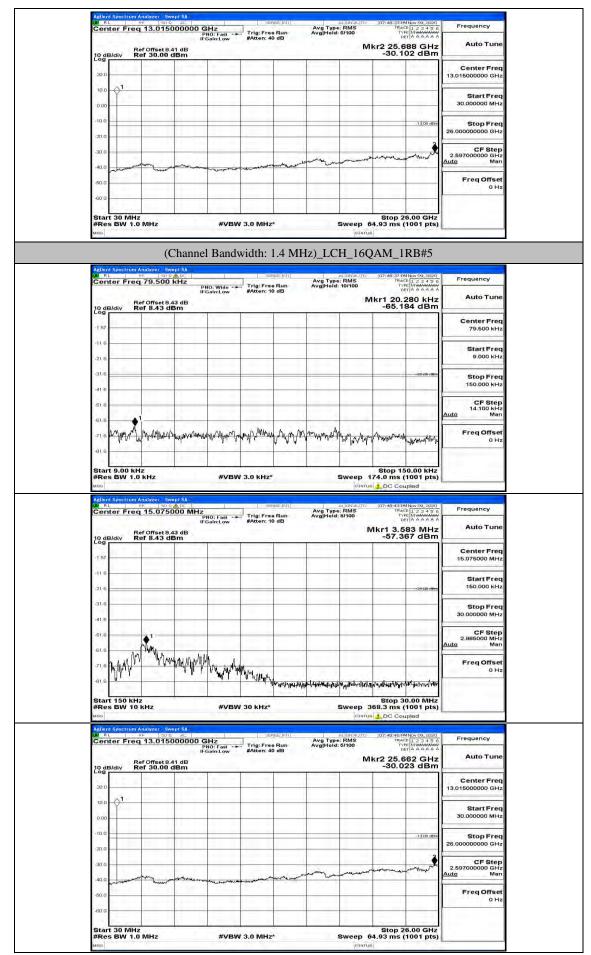
Start 9.00 kHz #Res BW 1.0 kHz Stop 150.00 kHz Sweep 174.0 ms (1001 pts)

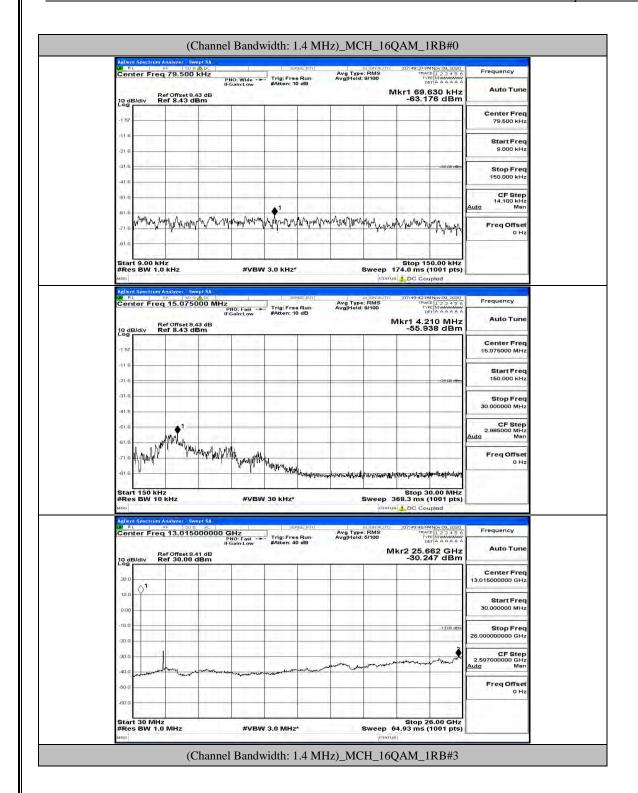


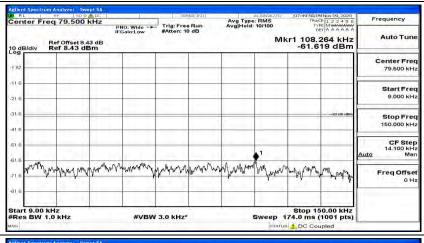


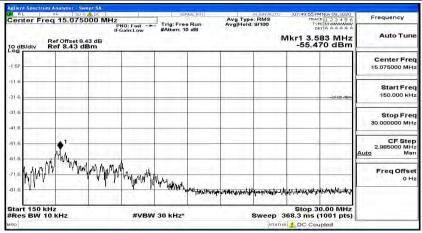


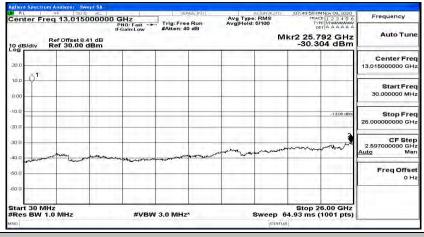


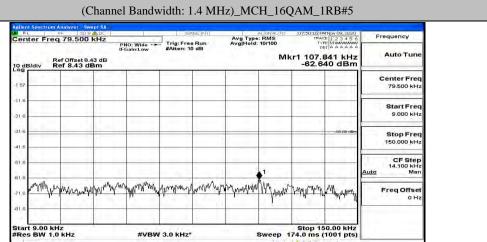




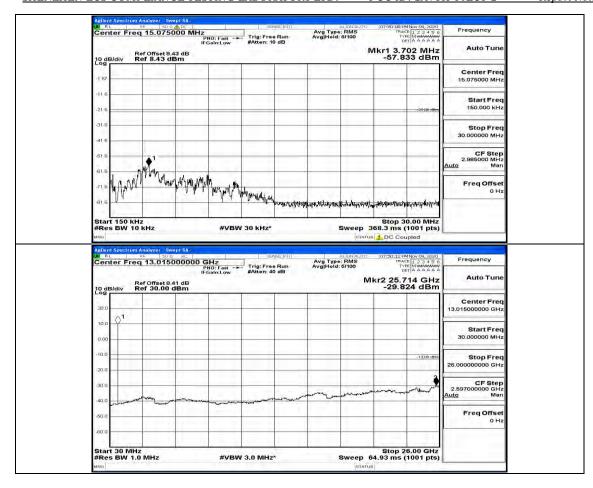


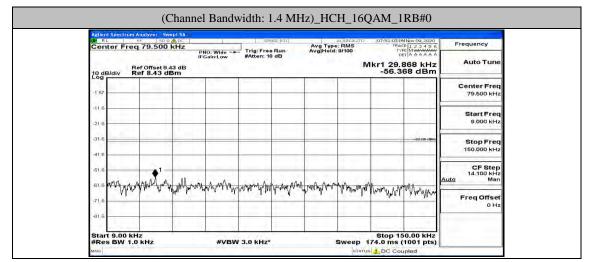


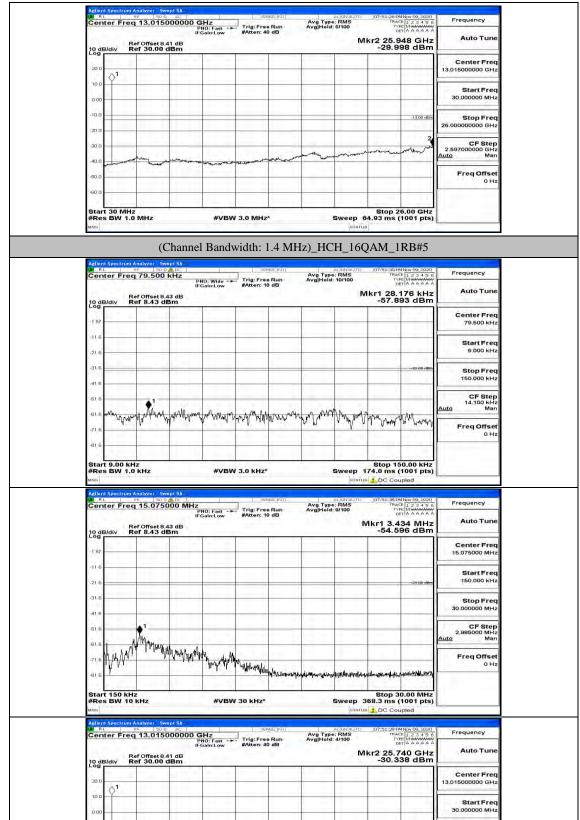




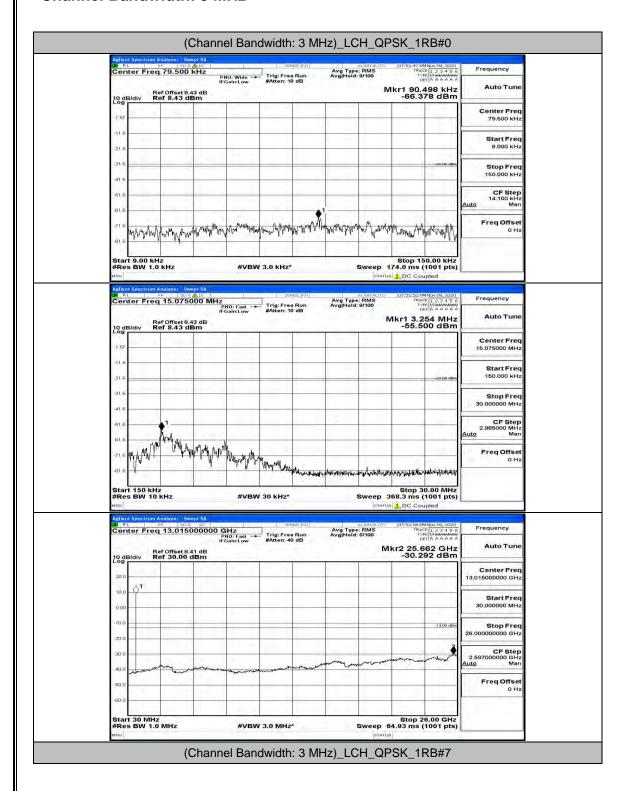
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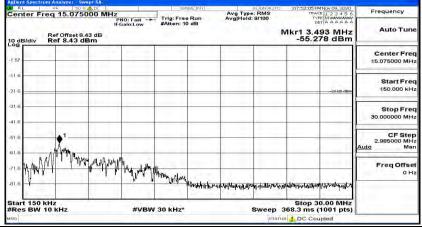




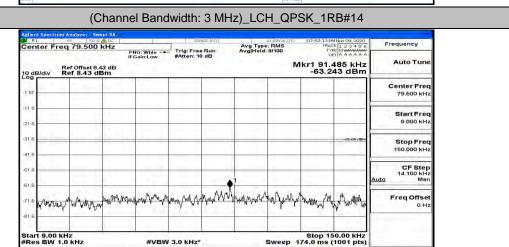


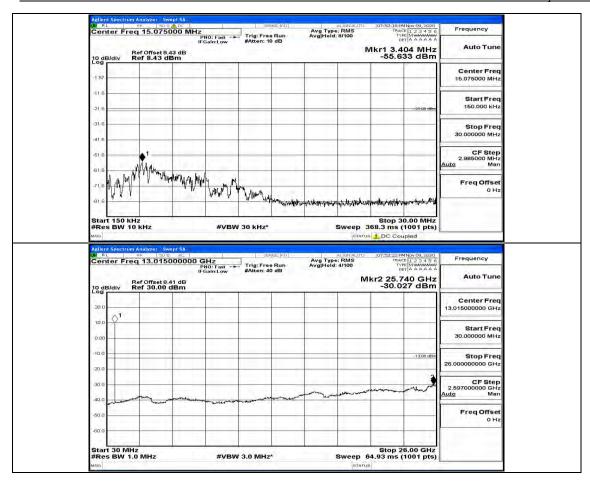
Channel Bandwidth: 3 MHz

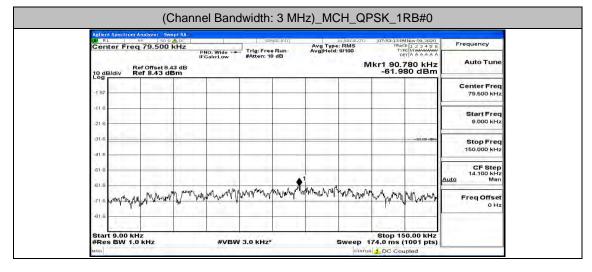


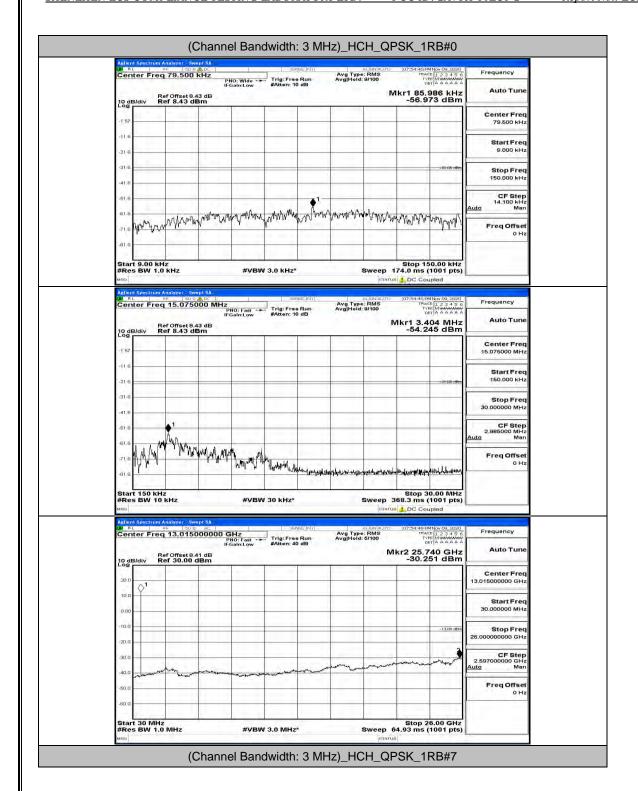


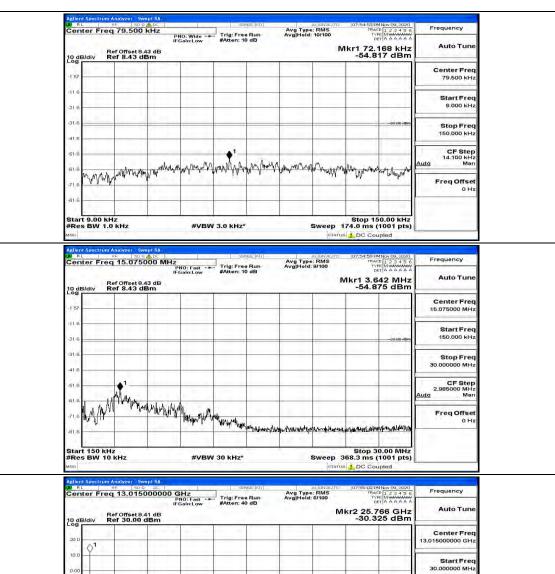




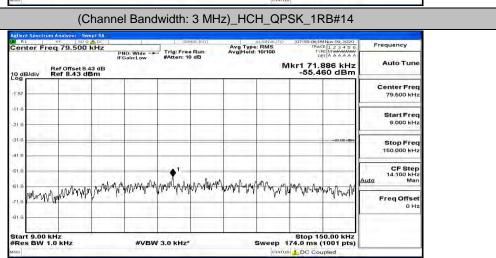


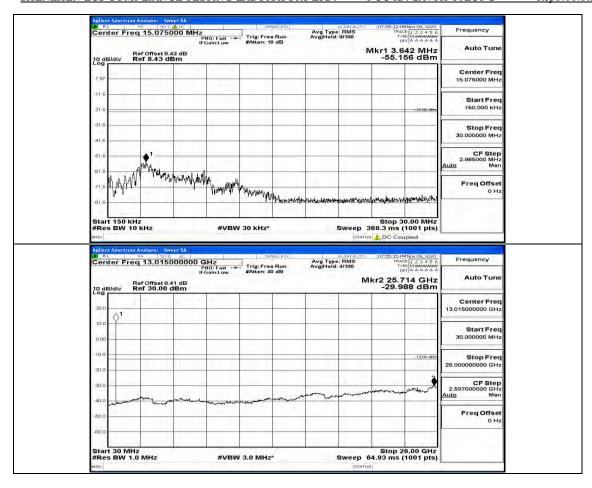


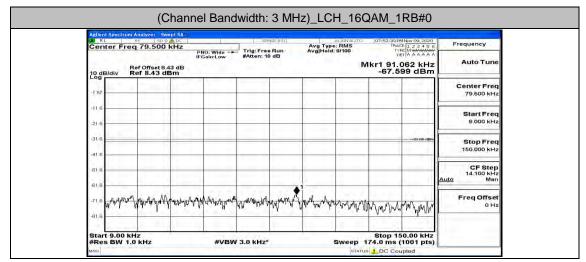


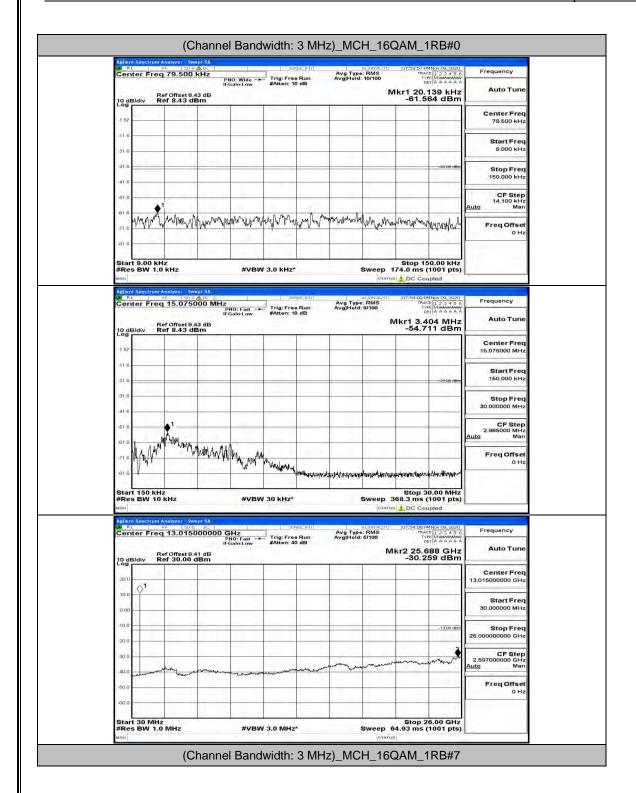




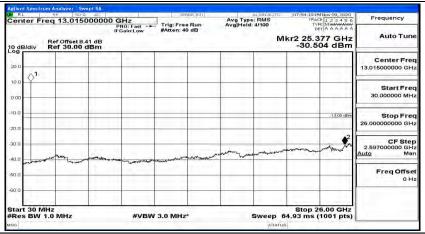


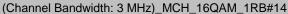


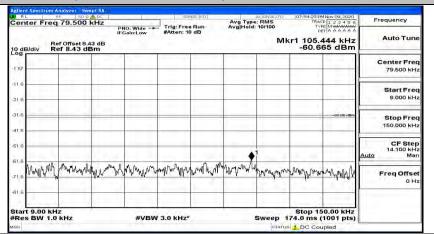


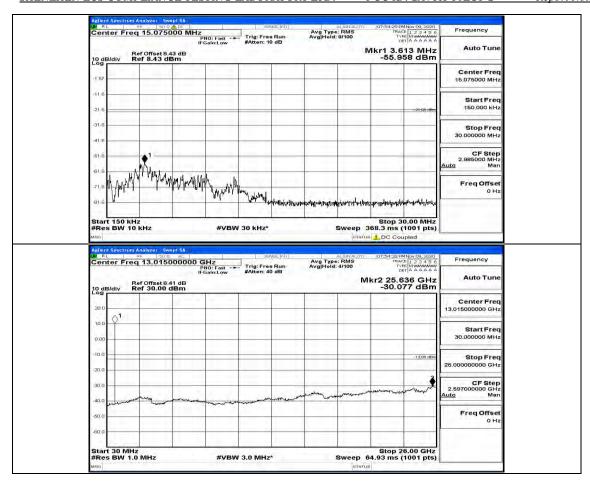


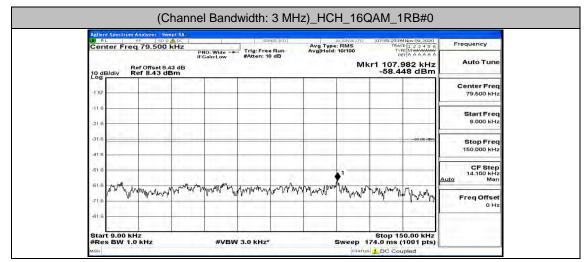












Channel Bandwidth: 5 MHz

