Appendix H: Test Data for E-UTRA Band 12

Product Name: Mobile Radio Trade Mark: ANYSECU Test Model: W2plus

Environmental Conditions

Temperature:	24.3° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Wang.Chuang

H.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)							
Madulation	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	Vardiet	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	22.95	22.17	PASS	
		1	3	23.00	22.26	PASS	
		1	5	22.90	22.11	PASS	
	LCH	3	0	22.97	22.10	PASS	
		3	2	22.96	22.04	PASS	
		3	3	22.93	22.03	PASS	
		6	0	22.01	20.95	PASS	
		1	0	23.35	22.69	PASS	
		1	3	23.46	22.85	PASS	
QPSK /	МСН	1	5	23.40	22.75	PASS	
16QAM		3	0	23.40	22.37	PASS	
IOQAW		3	2	23.40	22.41	PASS	
		3	3	23.44	22.44	PASS	
		6	0	22.43	21.39	PASS	
		1	0	23.20	22.43	PASS	
		1	3	23.21	22.49	PASS	
		1	5	23.08	22.29	PASS	
	HCH	3	0	23.25	22.27	PASS	
		3	2	23.18	22.20	PASS	
		3	3	23.17	22.22	PASS	
		6	0	22.23	21.34	PASS	

		Conducte	d Output Po	wer Test Result (Channel Ban	dwidth: 3 MHz)	
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/ordiot
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.86	22.15	PASS
		1	7	22.92	22.16	PASS
		1	14	22.89	22.08	PASS
	LCH	8	0	22.00	21.06	PASS
		8	4	22.02	21.05	PASS
		8	7	22.03	21.02	PASS
		15	0	21.96	20.97	PASS
		1	0	23.22	22.49	PASS
	мсн	1	7	23.44	22.71	PASS
ODCK /		1	14	23.38	22.61	PASS
QPSK / 16QAM		8	0	22.45	21.50	PASS
TOQAM		8	4	22.47	21.55	PASS
		8	7	22.53	21.57	PASS
		15	0	22.46	21.44	PASS
		1	0	23.29	22.58	PASS
		1	7	23.36	22.72	PASS
		1	14	23.04	22.37	PASS
	HCH	8	0	22.42	21.39	PASS
		8	4	22.36	21.33	PASS
		8	7	22.27	21.26	PASS
		15	0	22.28	21.28	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a ==li =4
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.96	22.33	PASS
		1	12	23.07	22.35	PASS
		1	24	23.06	22.37	PASS
	LCH	12	0	22.02	21.15	PASS
		12	6	22.07	21.19	PASS
		12	13	22.14	21.25	PASS
		25	0	22.00	21.04	PASS
		1	0	23.22	22.59	PASS
	МСН	1	12	23.54	22.90	PASS
ODCK /		1	24	23.55	22.80	PASS
QPSK / 16QAM		12	0	22.42	21.57	PASS
IOQAW		12	6	22.51	21.64	PASS
		12	13	22.59	21.73	PASS
		25	0	22.44	21.50	PASS
		1	0	23.57	22.40	PASS
		1	12	23.51	22.44	PASS
		1	24	23.21	22.13	PASS
	HCH	12	0	22.43	21.47	PASS
		12	6	22.38	21.44	PASS
		12	13	22.35	21.41	PASS
		25	0	22.35	21.38	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	22.87	22.14	PASS
		1	24	22.99	22.25	PASS
		1	49	23.47	22.72	PASS
	LCH	25	0	21.99	20.99	PASS
		25	12	22.13	21.15	PASS
		25	25	22.34	21.37	PASS
		50	0	22.19	21.20	PASS
		1	0	22.95	22.18	PASS
	МСН	1	24	23.42	22.68	PASS
QPSK /		1	49	23.40	22.57	PASS
16QAM		25	0	22.20	21.25	PASS
TOQAW		25	12	22.43	21.45	PASS
		25	25	22.50	21.51	PASS
		50	0	22.37	21.39	PASS
		1	0	23.34	22.71	PASS
		1	24	23.50	22.74	PASS
		1	49	23.18	22.55	PASS
	HCH	25	0	22.48	21.52	PASS
		25	12	22.46	21.49	PASS
		25	25	22.39	21.41	PASS
		50	0	22.42	21.48	PASS

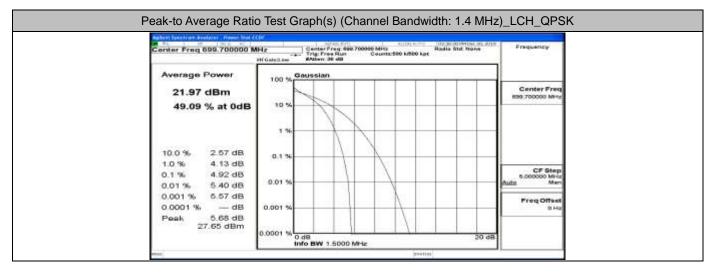
H.2 Peak-to-Average Ratio

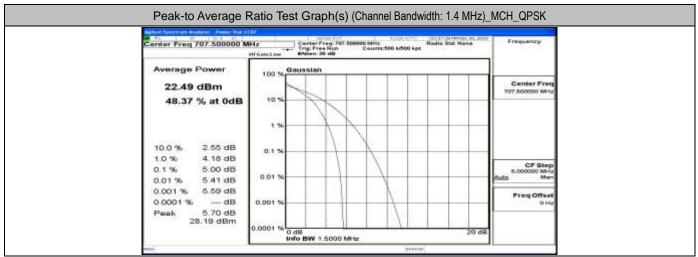
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Glaillei	[dB]	[dB]	verdict		
	LCH	4.92	<13	PASS		
QPSK	MCH	5	<13	PASS		
	HCH	4.87	<13	PASS		
16QAM	LCH	5.76	<13	PASS		
	MCH	5.88	<13	PASS		
	HCH	5.69	<13	PASS		

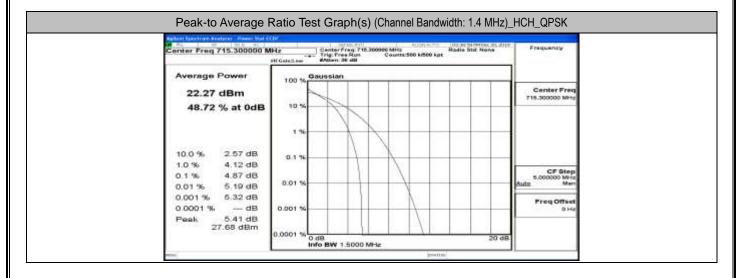
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Charmer	[dB]	[dB]	verdict		
	LCH	5.02	<13	PASS		
QPSK	MCH	5.23	<13	PASS		
	HCH	5.11	<13	PASS		
16QAM	LCH	5.86	<13	PASS		
	MCH	6	<13	PASS		
	HCH	5.85	<13	PASS		

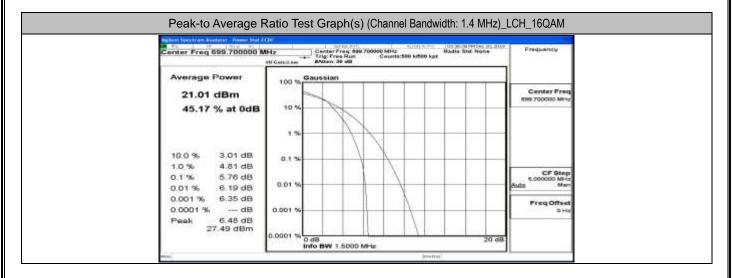
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict		
iviodulation	Griannei	[dB]	[dB]	Verdict		
	LCH	4.93	<13	PASS		
QPSK	MCH	5.2	<13	PASS		
	HCH	4.94	<13	PASS		
16QAM	LCH	5.71	<13	PASS		
	MCH	5.99	<13	PASS		
	HCH	5.71	<13	PASS		

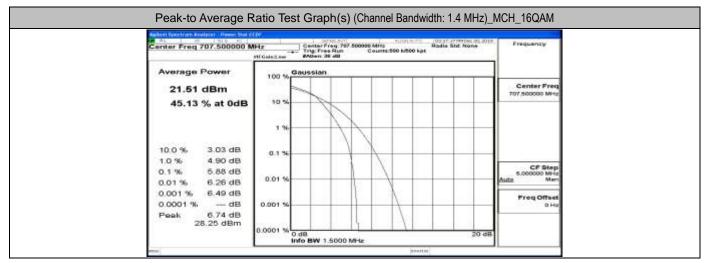
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict		
Modulation	Griannei	[dB]	[dB]	Verdict		
QPSK	LCH	5.18	<13	PASS		
	MCH	5.11	<13	PASS		
	HCH	5.16	<13	PASS		
16QAM	LCH	5.89	<13	PASS		
	MCH	5.88	<13	PASS		
	HCH	5.88	<13	PASS		

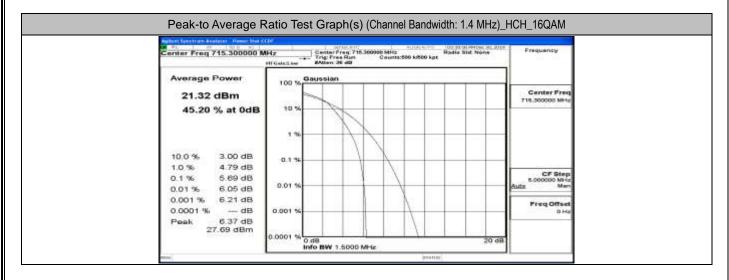


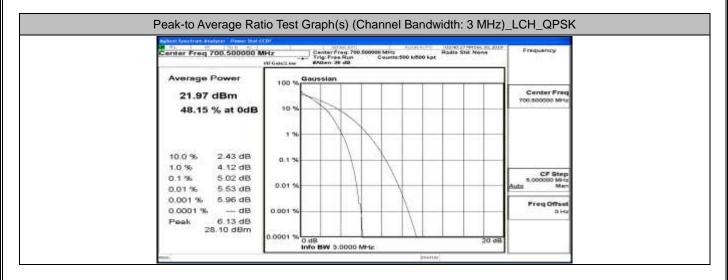


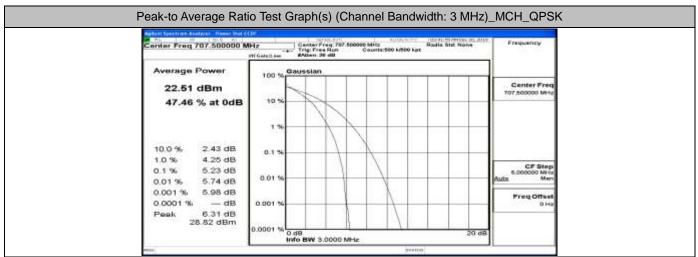


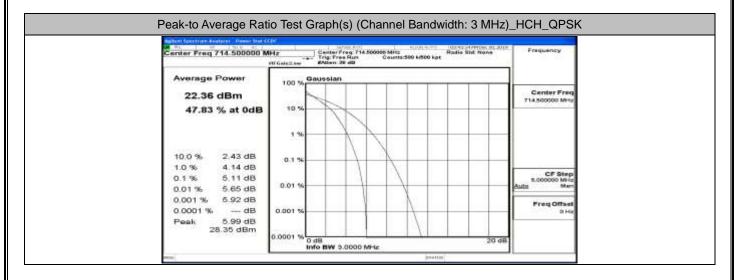


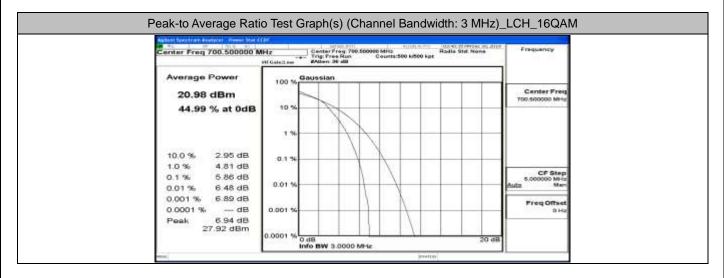


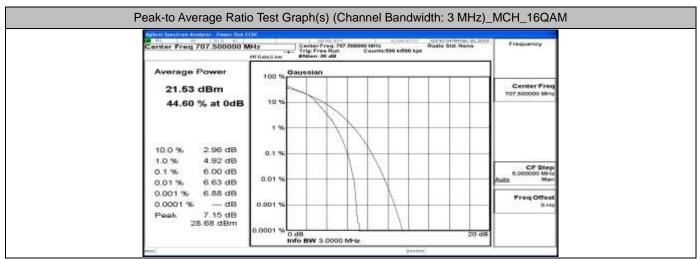


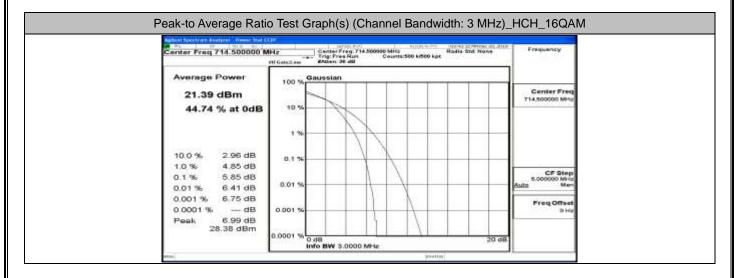


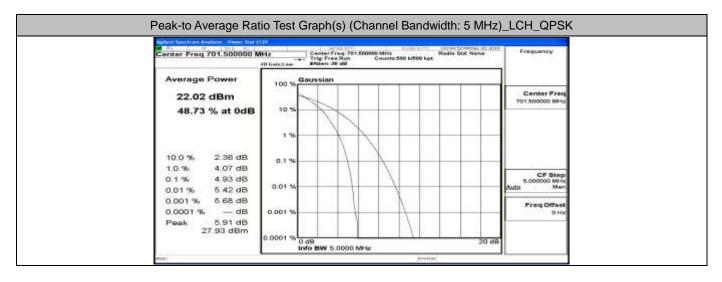


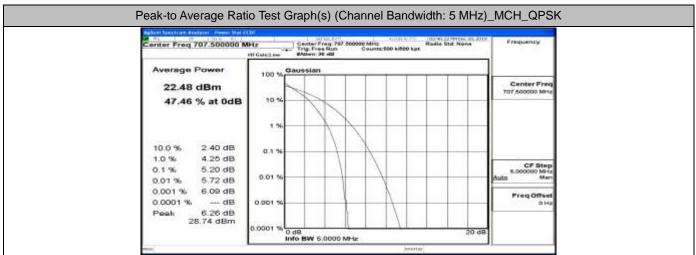


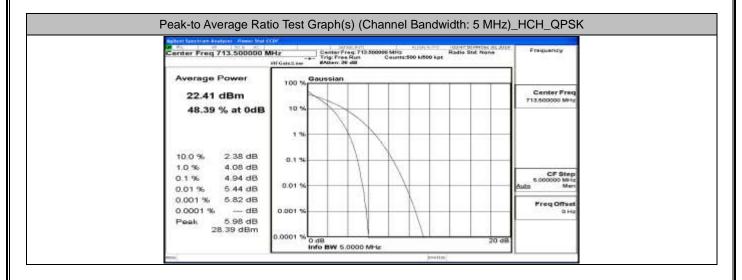


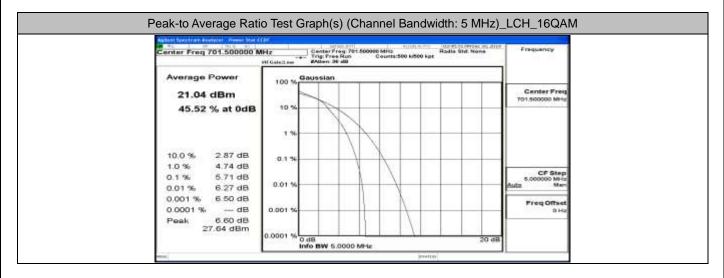


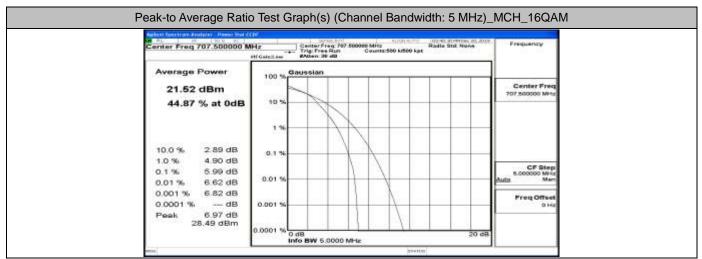


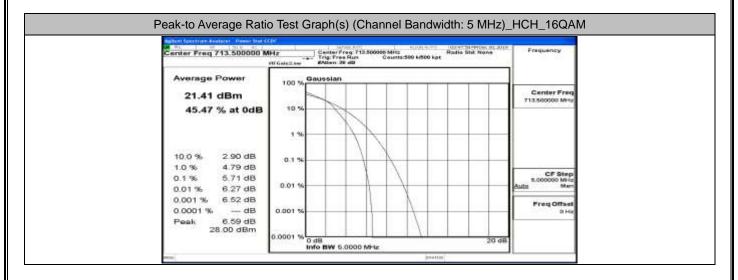




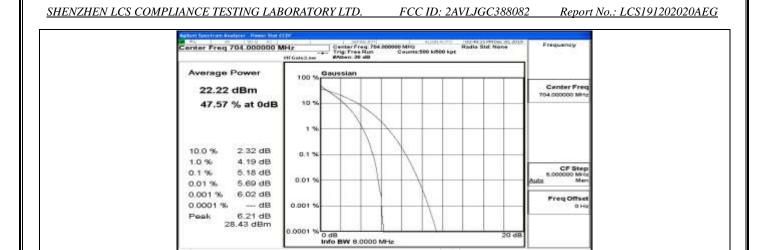


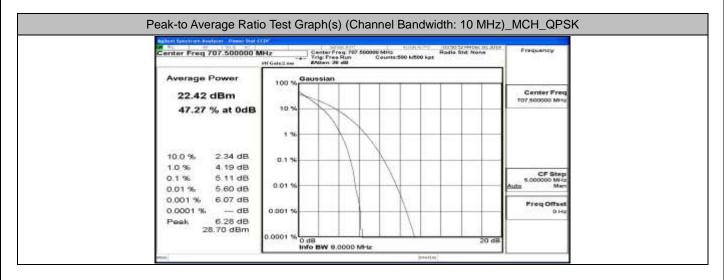


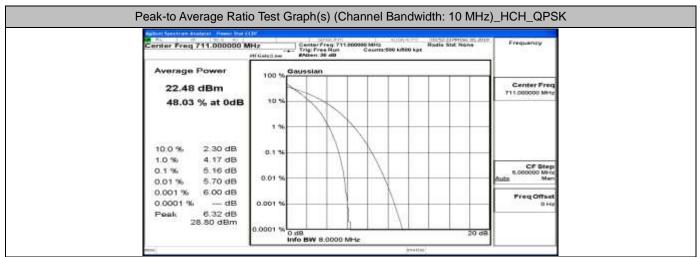


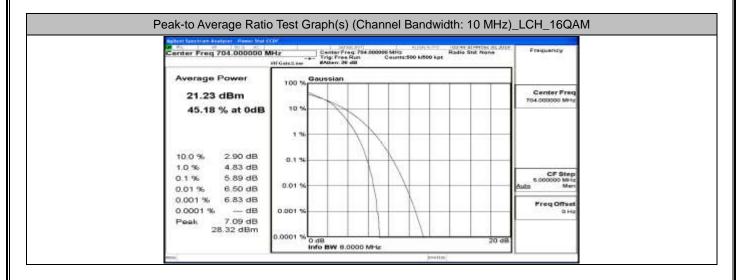


Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



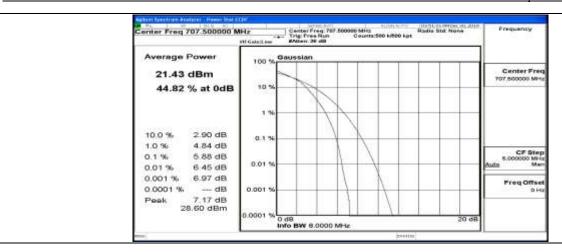


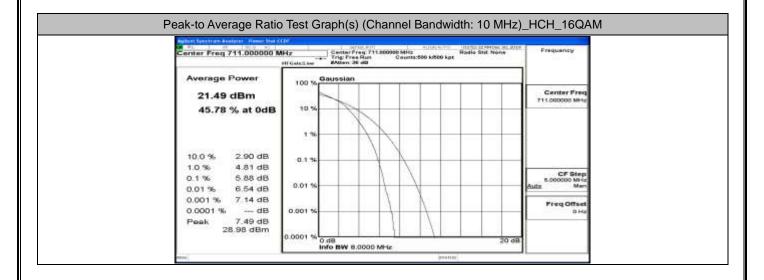




Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM

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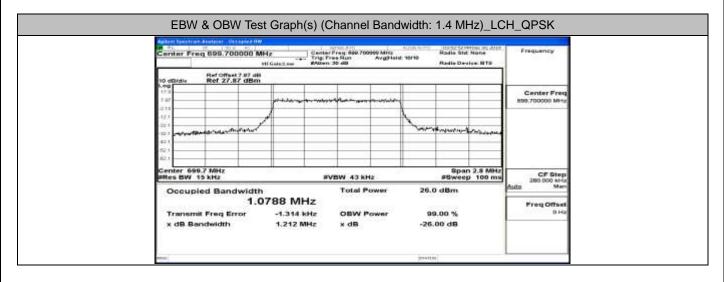
H.3 26dB Bandwidth and Occupied Bandwidth

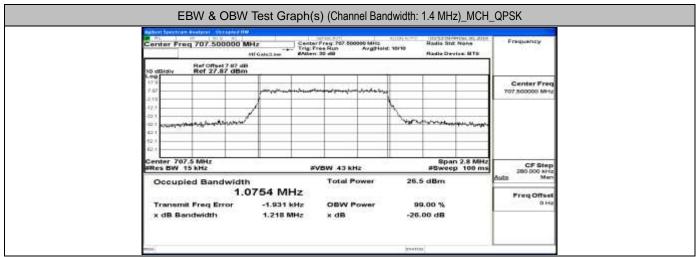
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
iviodulation	Griannei	(MHz)	(MHz)	verdict		
QPSK	LCH	1.0788	1.212	PASS		
	MCH	1.0754	1.218	PASS		
	HCH	1.0777	1.216	PASS		
16QAM	LCH	1.0806	1.229	PASS		
	MCH	1.0778	1.228	PASS		
	HCH	1.0766	1.211	PASS		

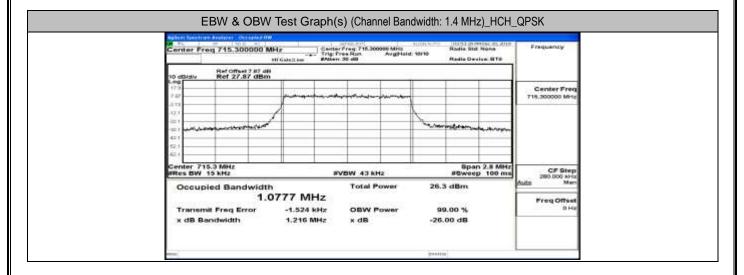
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Vardiet		
Modulation	Griannei	(MHz)	(MHz)	Verdict		
	LCH	2.6840	2.860	PASS		
QPSK	MCH	2.6860	2.871	PASS		
	HCH	2.6849	2.884	PASS		
16QAM	LCH	2.6837	2.856	PASS		
	MCH	2.6865	2.846	PASS		
	HCH	2.6831	2.882	PASS		

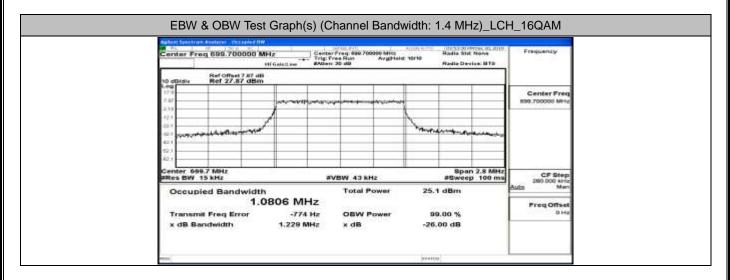
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
Modulation	Channel	(MHz)	(MHz)	verdict		
QPSK	LCH	4.4734	4.781	PASS		
	MCH	4.4864	4.826	PASS		
	HCH	4.4781	4.885	PASS		
16QAM	LCH	4.4717	4.833	PASS		
	MCH	4.4819	4.769	PASS		
	HCH	4.4838	4.802	PASS		

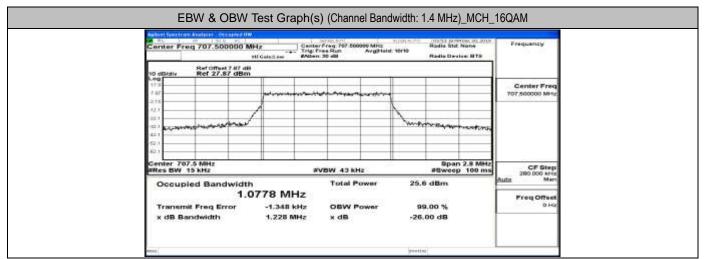
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	8.9435	9.431	PASS
	MCH	8.9515	9.556	PASS
	HCH	8.9406	9.424	PASS
16QAM	LCH	8.9423	9.518	PASS
	MCH	8.9489	9.444	PASS
	HCH	8.9375	9.423	PASS

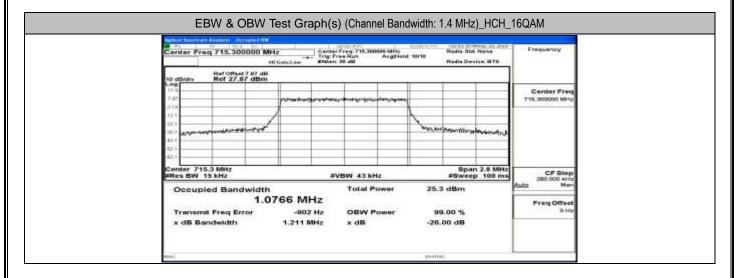


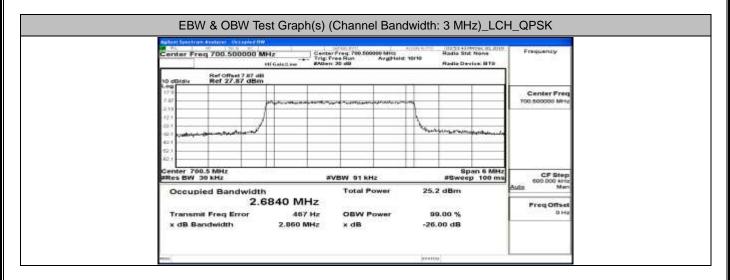


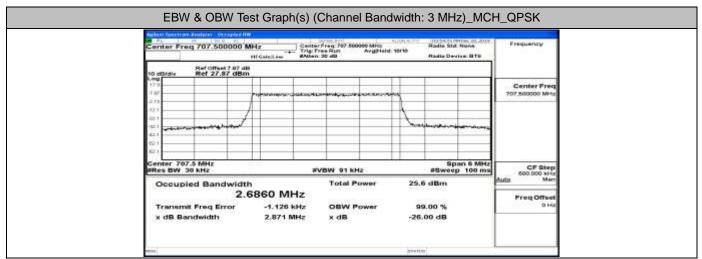


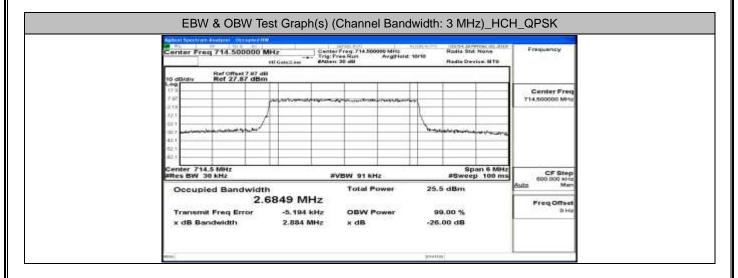


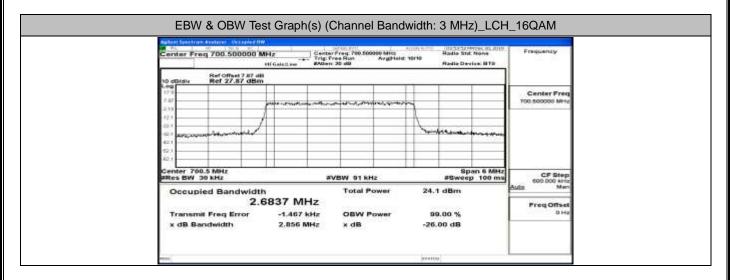


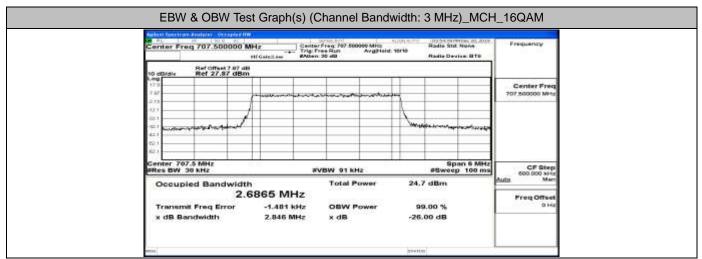


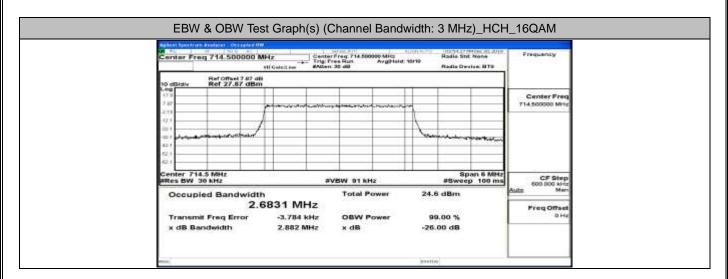


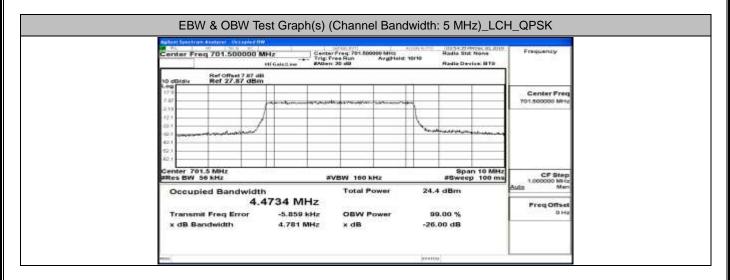


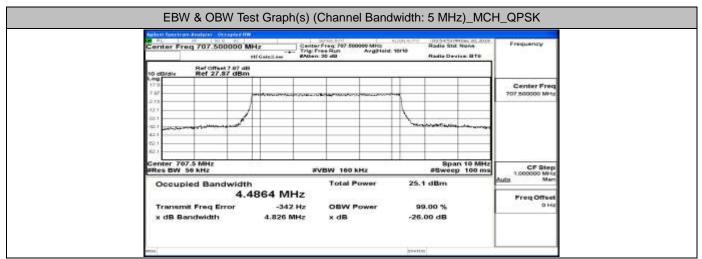


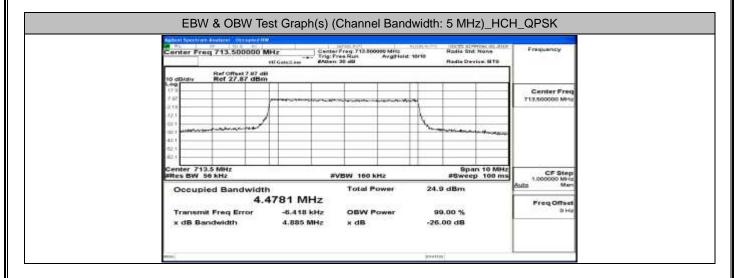


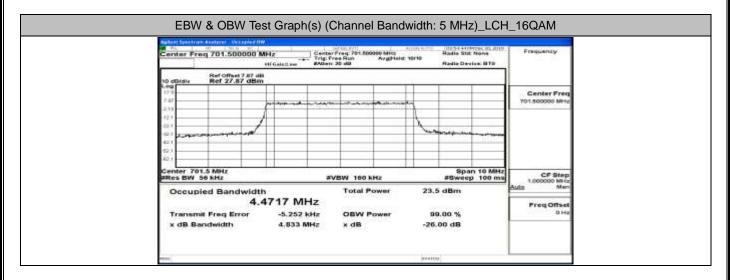


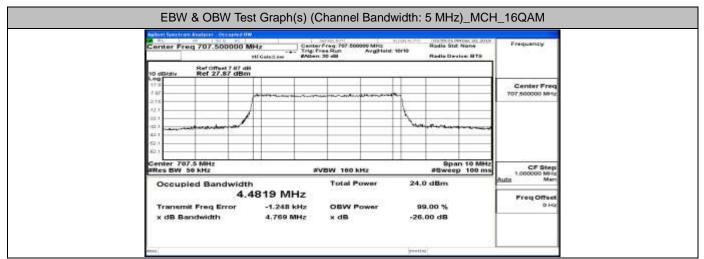


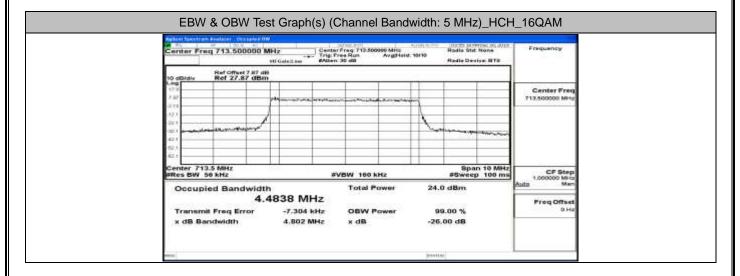


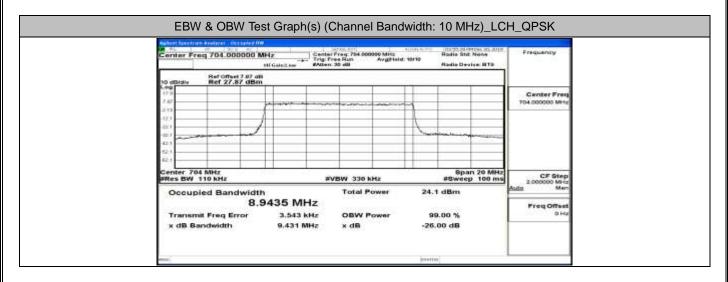


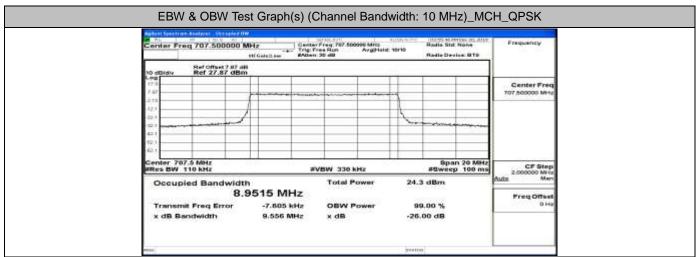


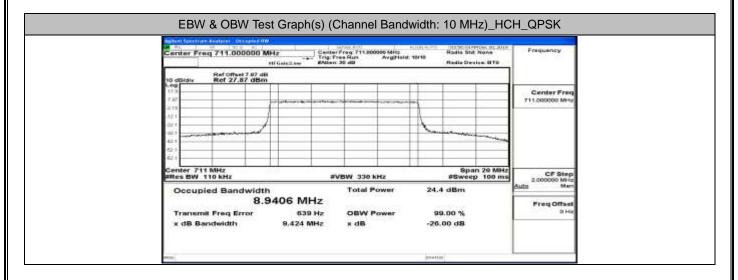


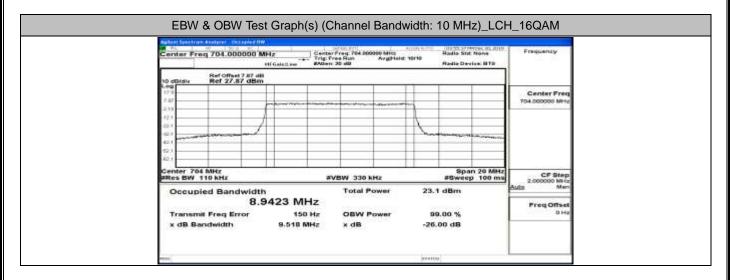


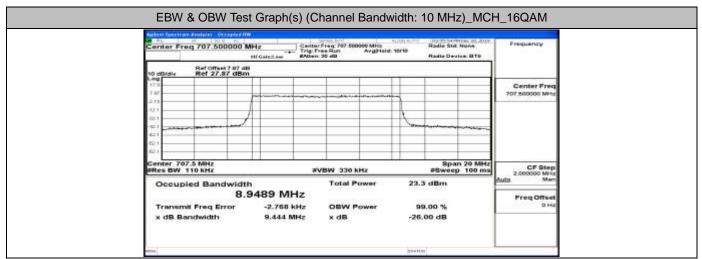


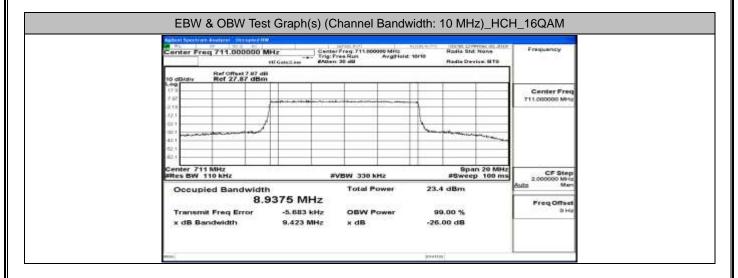




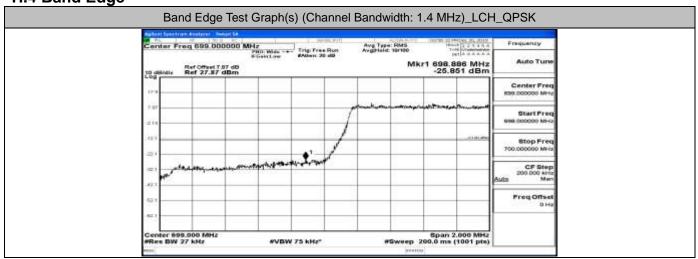


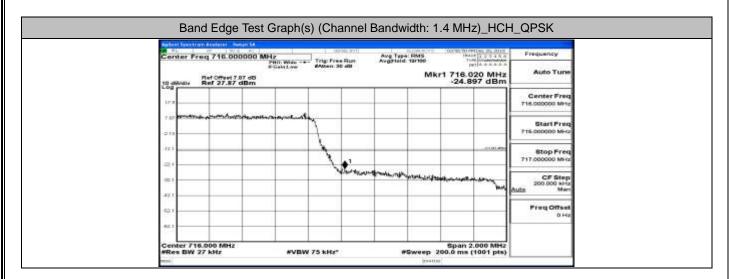


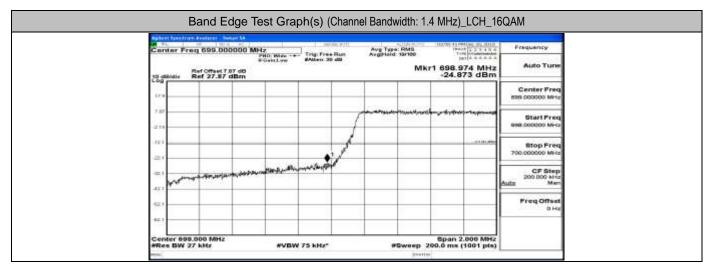


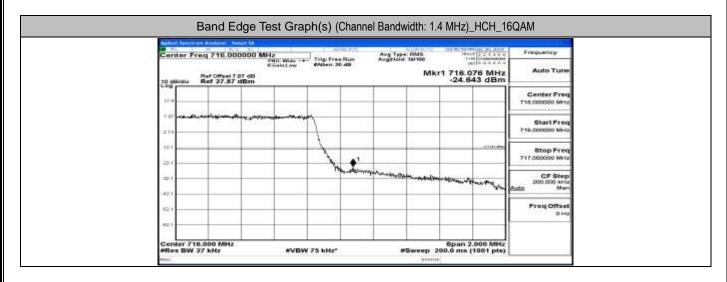


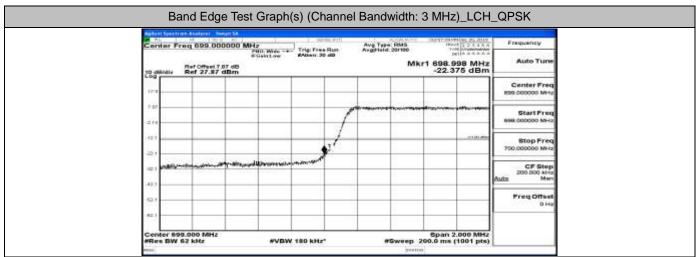
H.4 Band Edge

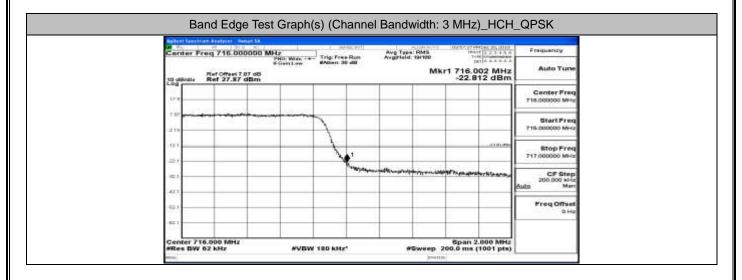


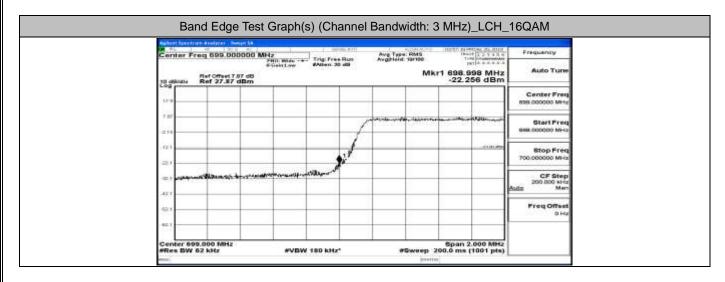


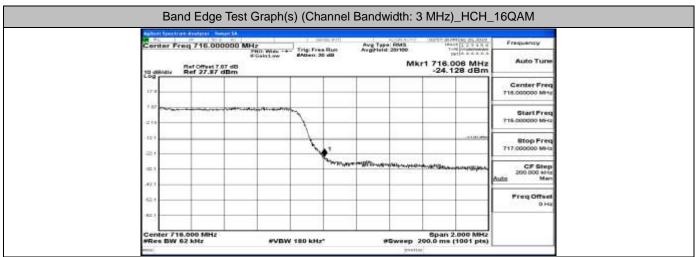


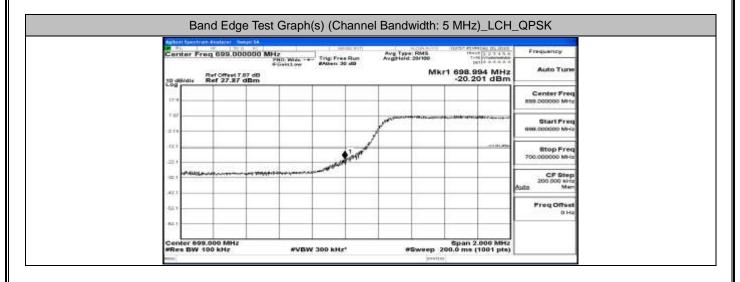


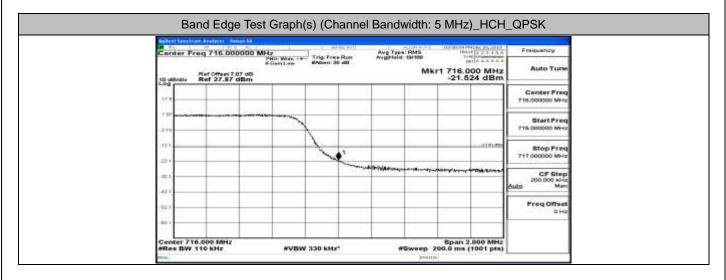


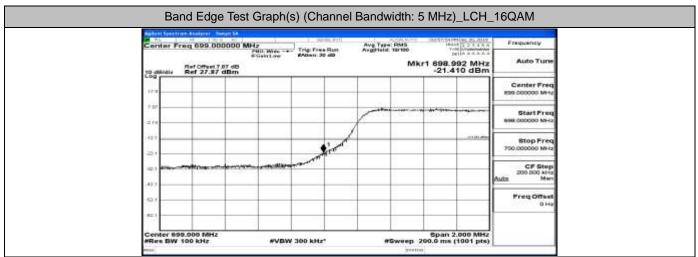


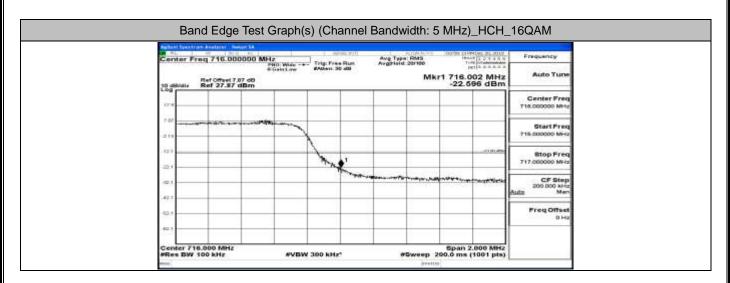




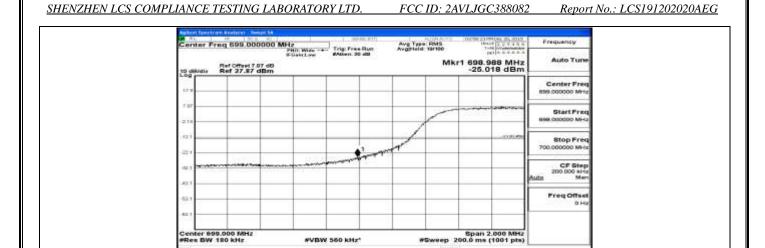


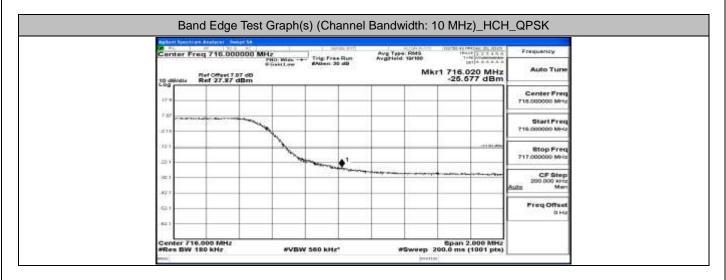


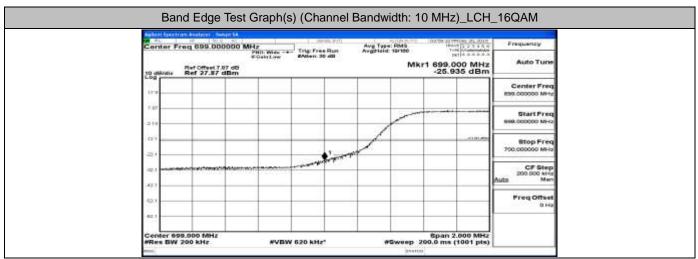


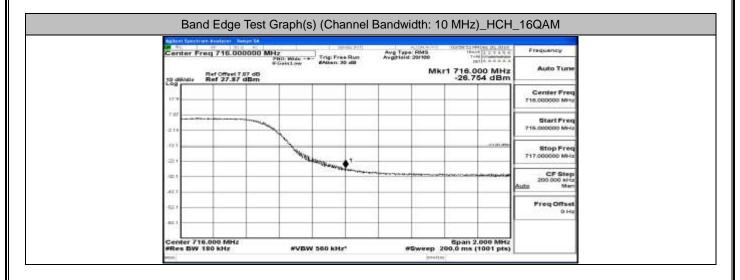


Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

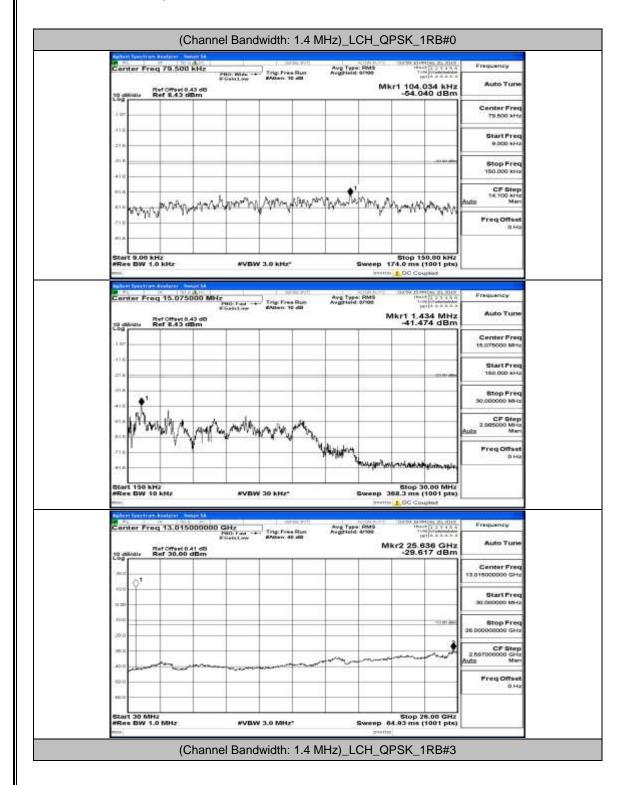


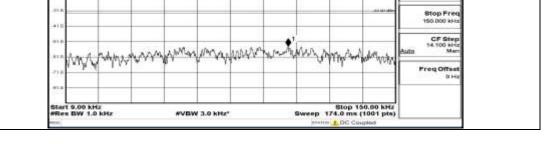


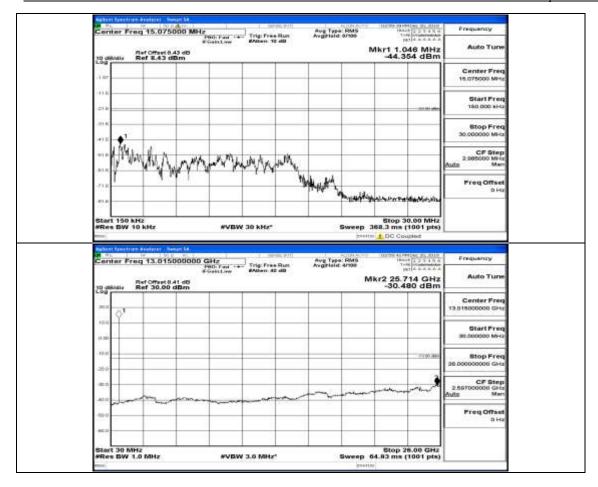


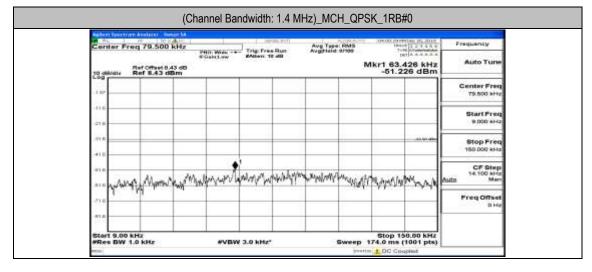


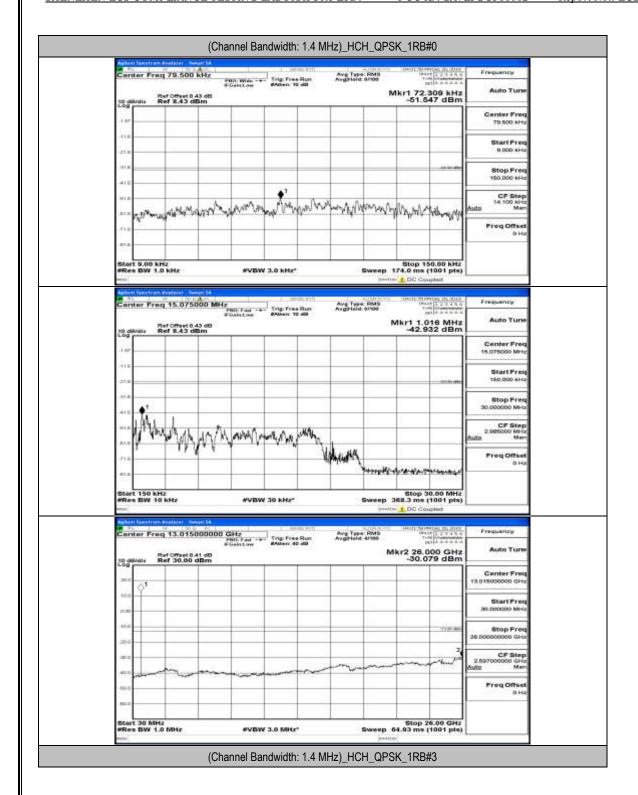
H.5 Conducted Spurious Emission

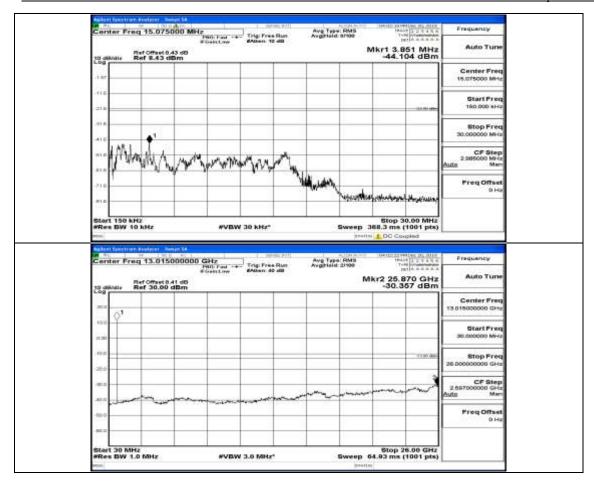


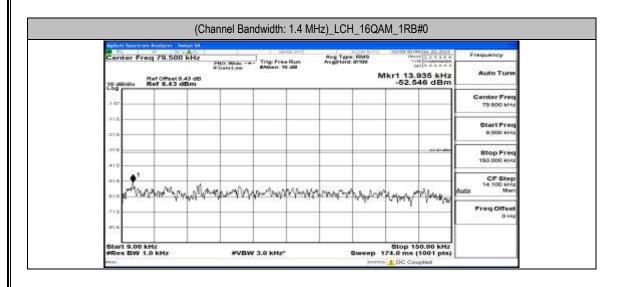


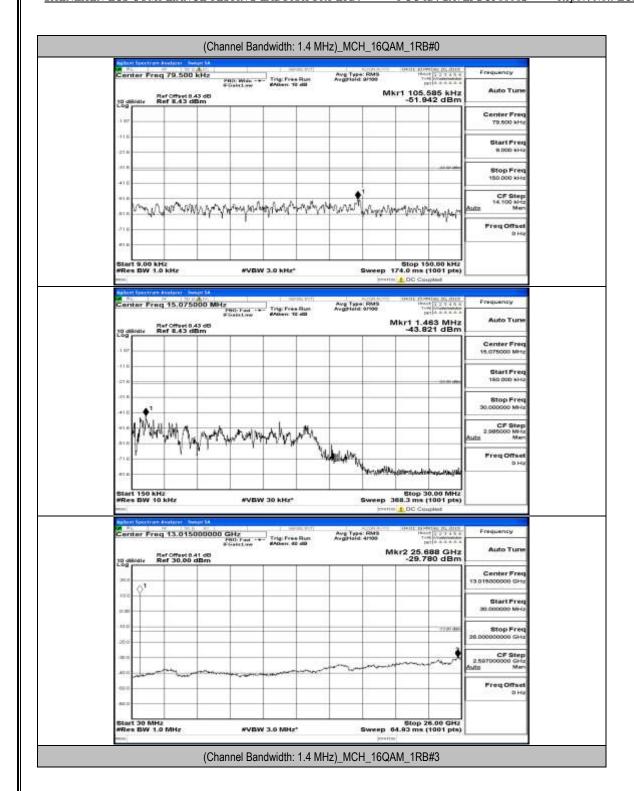






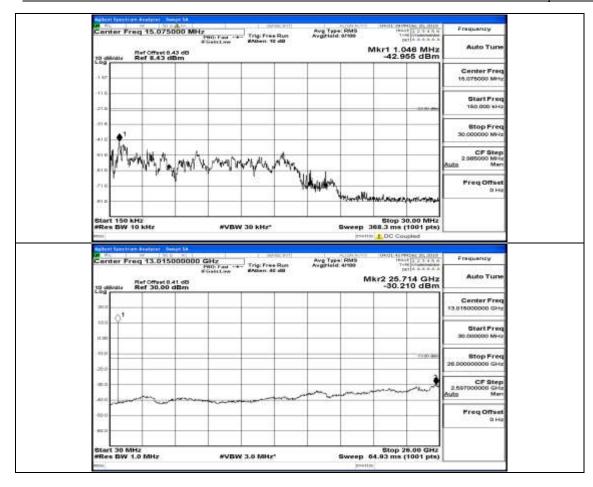


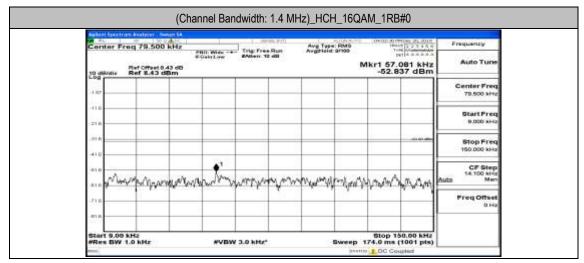




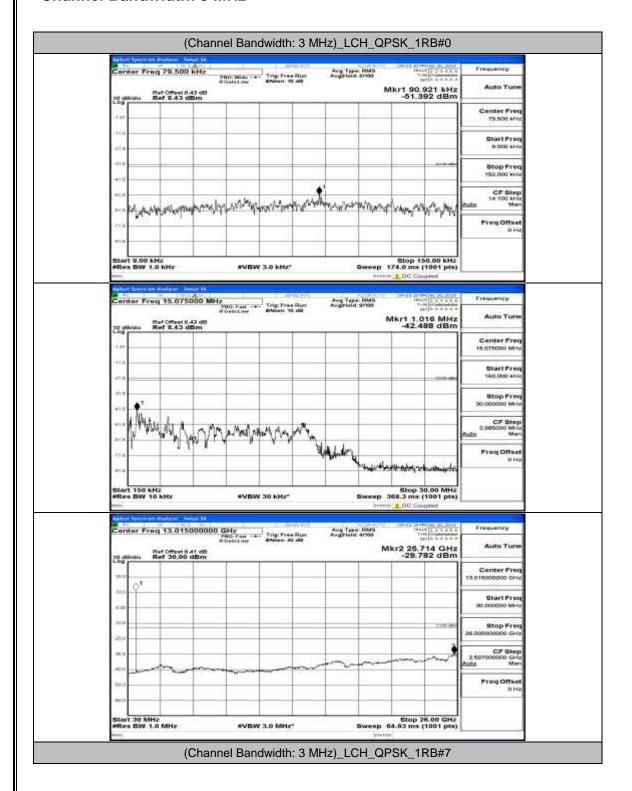
WVBW 3.0 kHz*

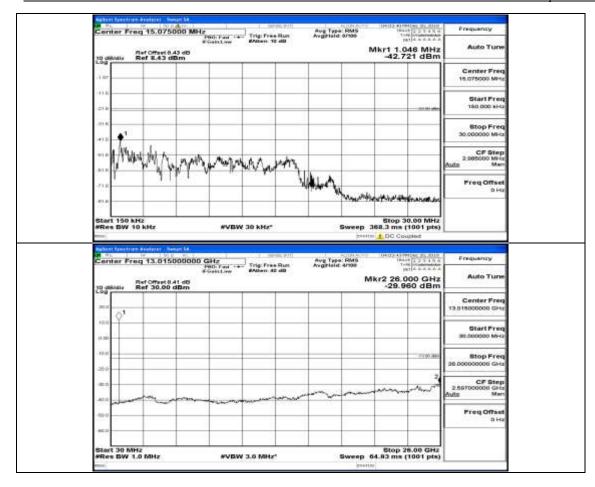
Stop 150.60 kHz Sweep 174.0 ms (1001 pts)

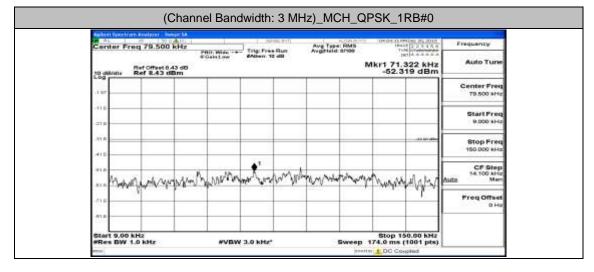


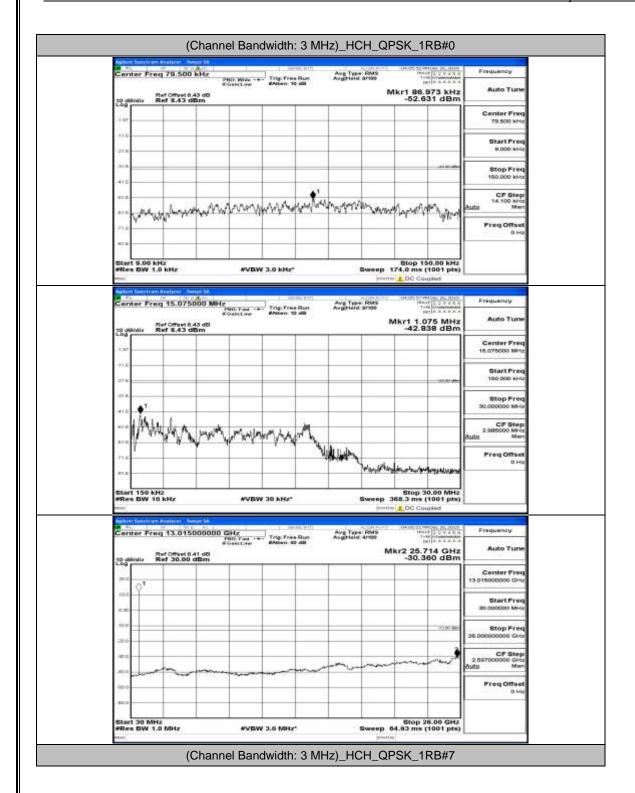


Channel Bandwidth: 3 MHz





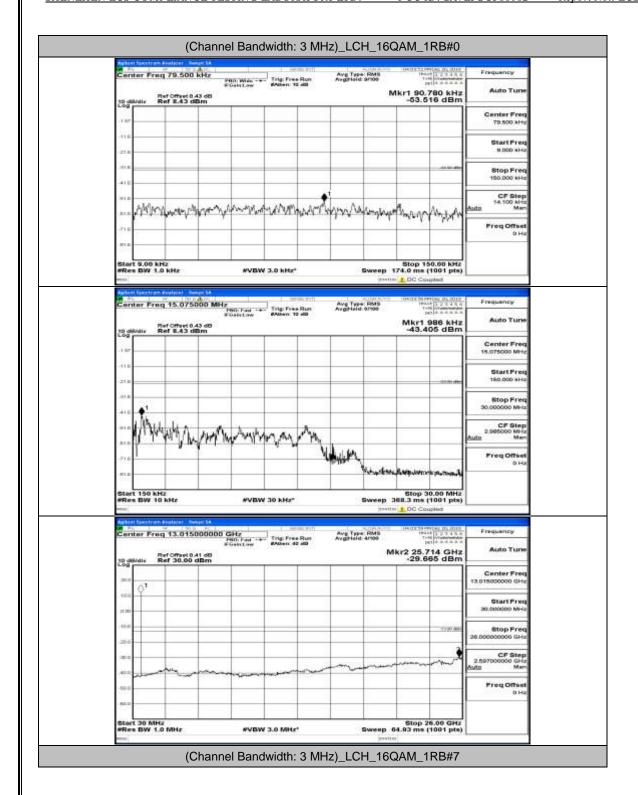


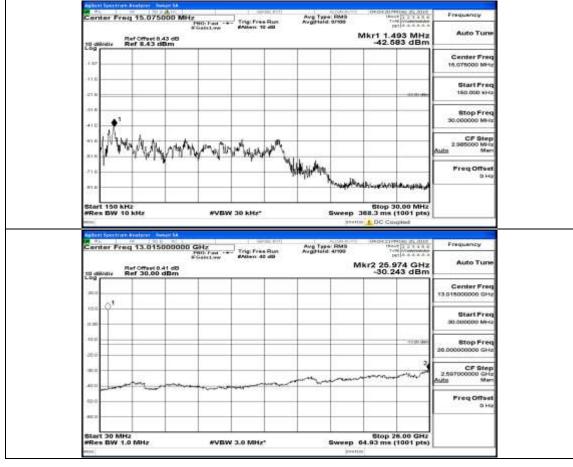


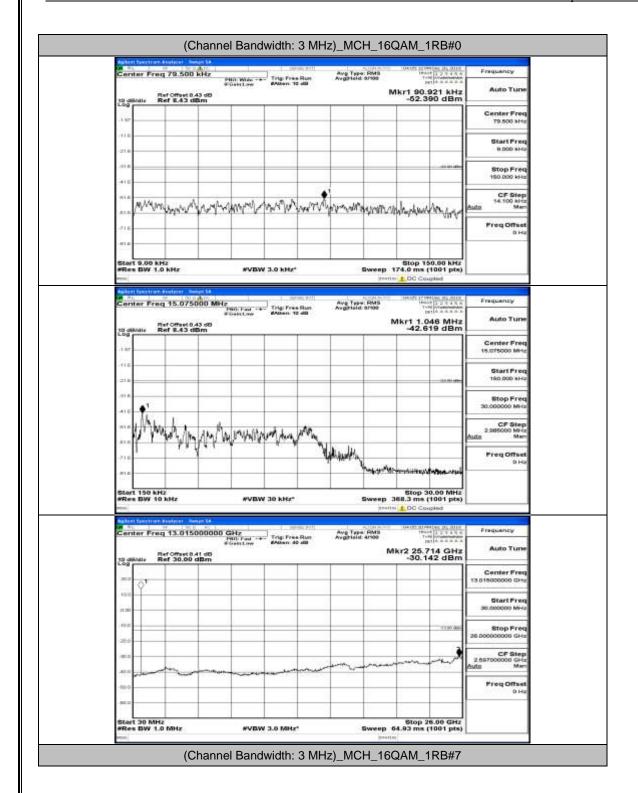
WVBW 3.6 MHz*

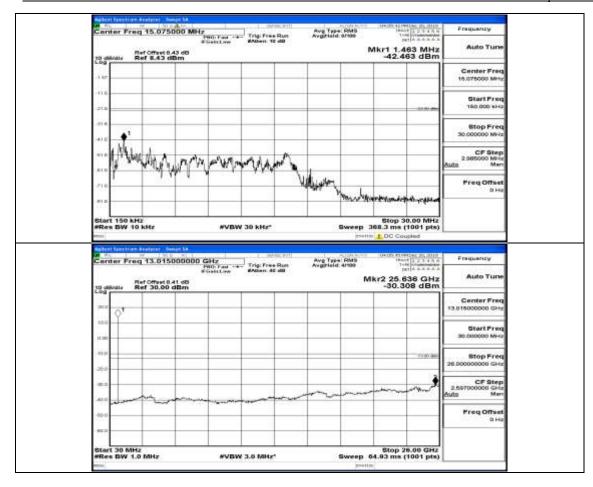
Center Fre

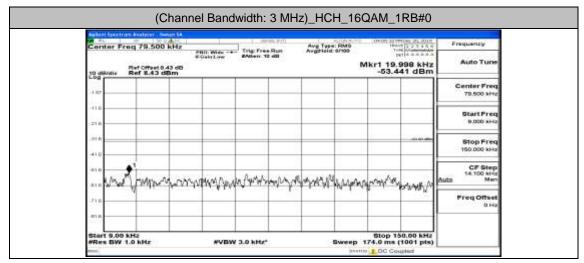
Stop 28.00 GHz Sweep 64.93 ms (1001 pts)



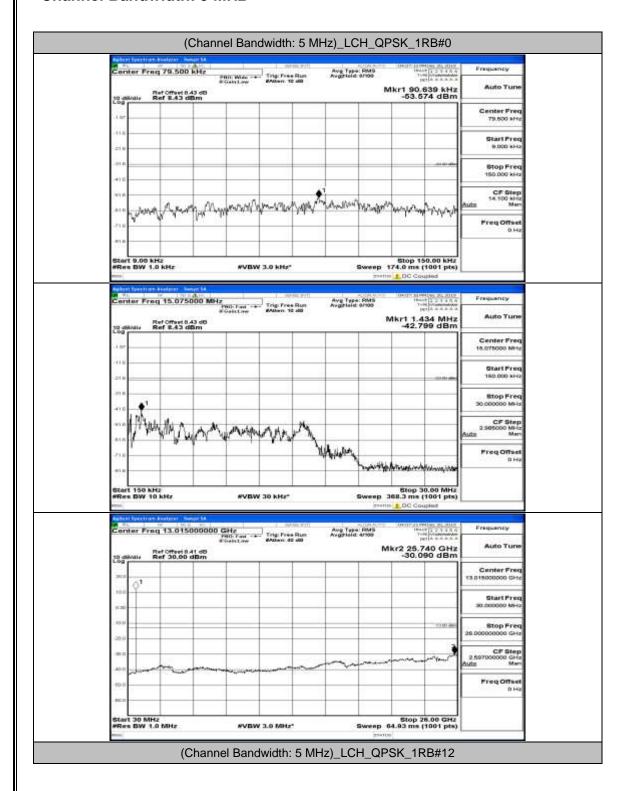


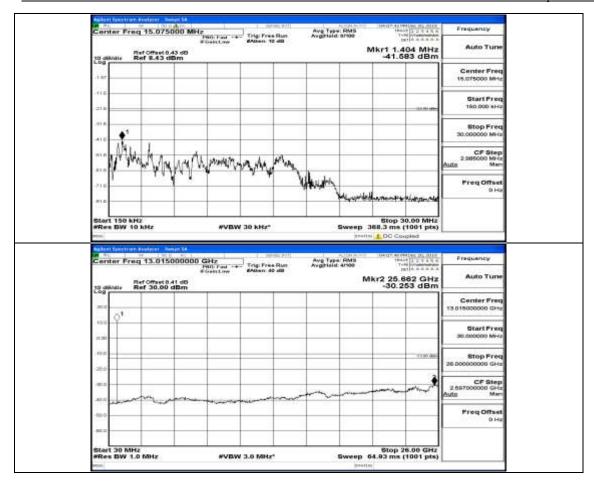


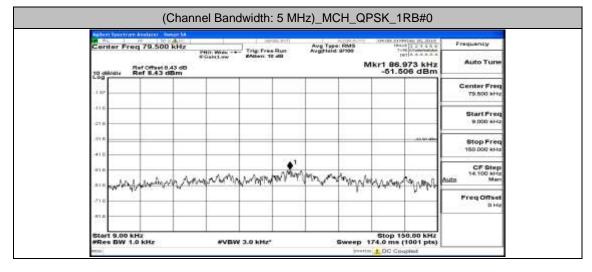


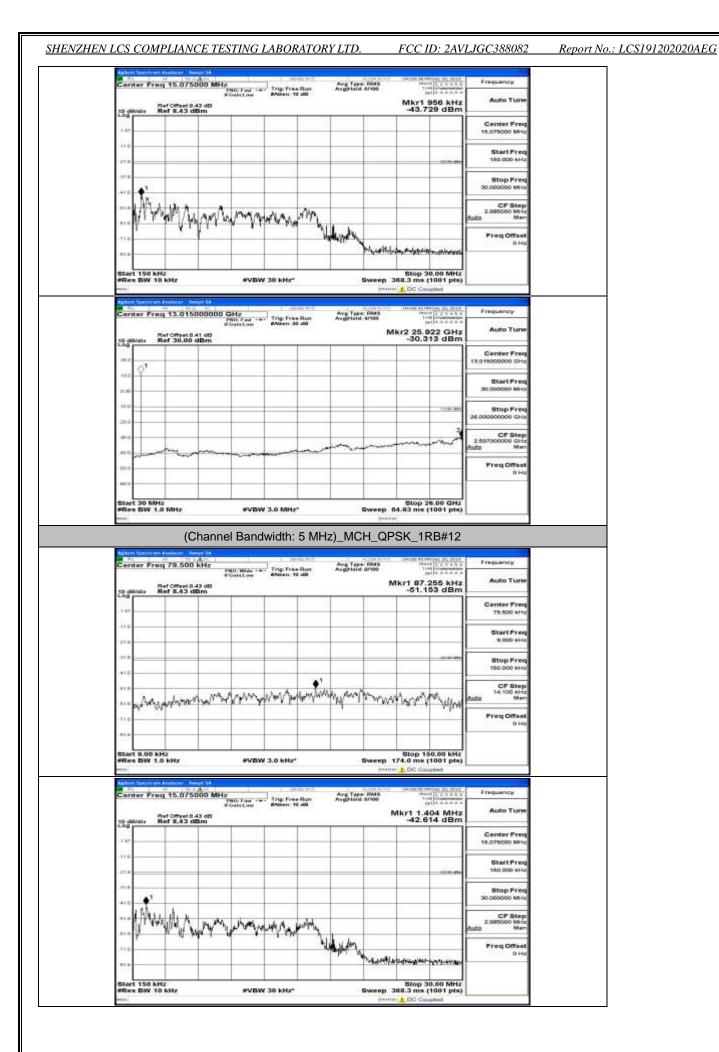


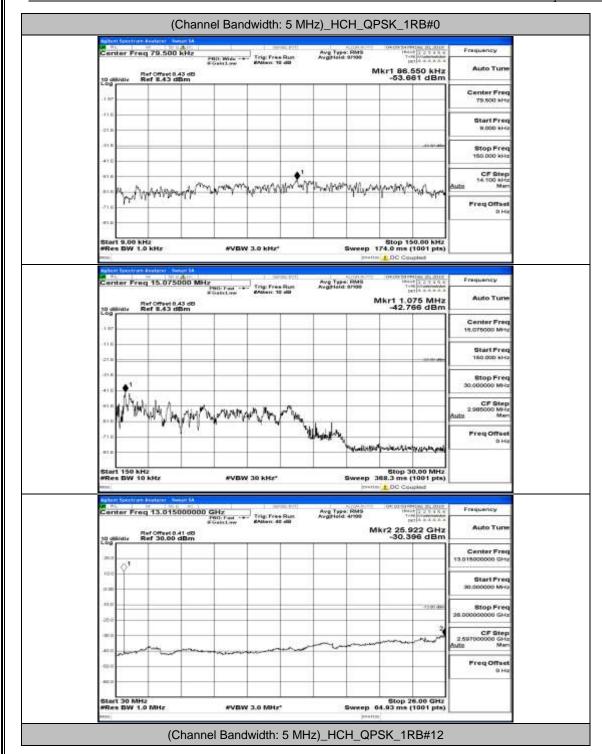
Channel Bandwidth: 5 MHz

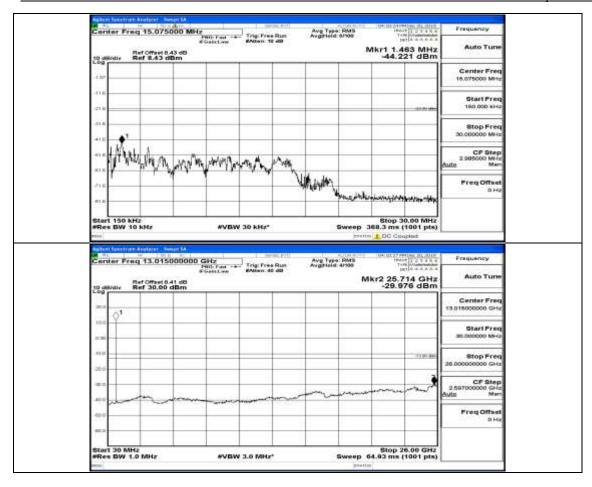


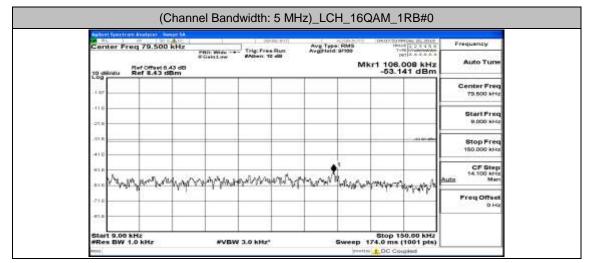


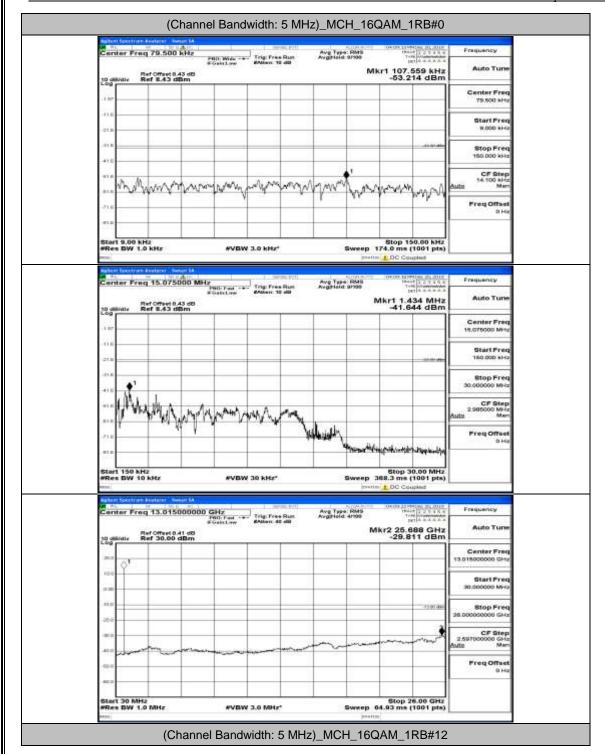


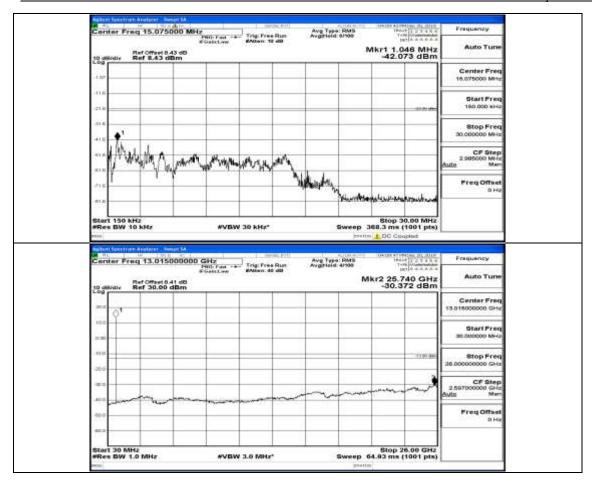


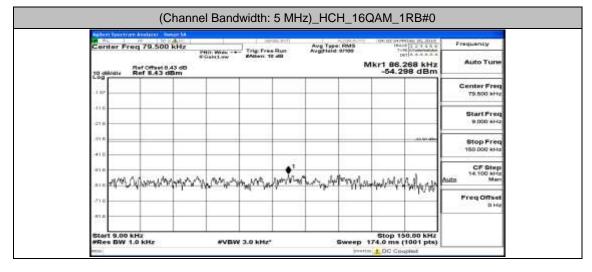












Channel Bandwidth: 10 MHz

