Appendix F: Test Data for E-UTRA Band 5

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

F.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	23.55	22.86	PASS		
		1	3	23.76	23.15	PASS		
		1	5	23.63	22.91	PASS		
	LCH	3	0	23.63	22.58	PASS		
		3	2	23.61	22.62	PASS		
		3	3	23.62	22.69	PASS		
		6	0	22.57	21.68	PASS		
		1	0	23.90	22.87	PASS		
QPSK /		1	3	23.88	22.98	PASS		
16QAM		1	5	23.67	22.85	PASS		
TOQAM	MCH	3	0	23.71	22.72	PASS		
		3	2	23.72	22.68	PASS		
		3	3	23.76	22.75	PASS		
		6	0	23.03	22.21	PASS		
		1	0	23.95	22.72	PASS		
		1	3	24.03	23.00	PASS		
	HCH	1	5	23.67	22.71	PASS		
		3	0	23.49	22.68	PASS		
		3	2	23.57	22.66	PASS		

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		3	3	23.53	22.61	PASS
		6	0	22.69	21.83	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	23.99	23.01	PASS	
		1	7	24.20	23.40	PASS	
		1	14	24.04	23.14	PASS	
	LCH	8	0	23.04	22.11	PASS	
		8	4	23.08	22.30	PASS	
		8	7	23.16	22.26	PASS	
		15	0	23.10	22.15	PASS	
		1	0	24.09	23.24	PASS	
		1	7	24.34	23.47	PASS	
QPSK /		1	14	23.92	23.07	PASS	
16QAM	MCH	8	0	23.01	22.07	PASS	
		8	4	23.09	22.16	PASS	
		8	7	22.99	22.06	PASS	
		15	0	22.96	21.99	PASS	
		1	0	23.90	23.02	PASS	
		1	7	24.15	23.22	PASS	
		1	14	23.95	22.89	PASS	
	HCH	8	0	22.92	21.97	PASS	
		8	4	22.93	22.07	PASS	
		8	7	22.88	21.96	PASS	
		15	0	22.96	21.89	PASS	

	Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)							
Marakaladian	Observat	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	24.00	23.05	PASS		
		1	12	24.40	23.64	PASS		
		1	24	23.95	23.28	PASS		
	LCH	12	0	22.88	22.04	PASS		
		12	6	23.12	22.26	PASS		
		12	13	23.18	22.27	PASS		
		25	0	23.12	22.18	PASS		
		1	0	24.09	23.00	PASS		
		1	12	24.39	23.22	PASS		
QPSK /		1	24	23.83	22.96	PASS		
16QAM	MCH	12	0	22.79	21.99	PASS		
TOQAIVI		12	6	22.79	22.08	PASS		
		12	13	22.55	22.13	PASS		
		25	0	22.94	21.83	PASS		
		1	0	23.99	22.70	PASS		
		1	12	24.25	23.13	PASS		
		1	24	23.74	22.63	PASS		
	HCH	12	0	22.71	21.70	PASS		
		12	6	22.80	21.98	PASS		
		12	13	22.68	21.85	PASS		
		25	0	22.92	21.91	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel		figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
		Size	Offset	QPSK	16QAM			
		1	0	23.97	23.00	PASS		
		1	24	24.10	23.09	PASS		
		1	49	23.87	22.87	PASS		
	LCH	25	0	23.07	22.08	PASS		
		25	12	23.21	22.27	PASS		
		25	25	23.07	22.11	PASS		
		50	0	23.04	22.09	PASS		
		1	0	24.27	23.29	PASS		
		1	24	24.23	23.38	PASS		
QPSK /		1	49	23.93	23.06	PASS		
16QAM	MCH	25	0	23.16	22.27	PASS		
IOQAW		25	12	23.05	22.17	PASS		
		25	25	22.83	22.05	PASS		
		50	0	23.13	22.19	PASS		
		1	0	24.09	23.10	PASS		
		1	24	24.06	23.08	PASS		
		1	49	23.90	23.01	PASS		
	HCH	25	0	23.02	22.00	PASS		
		25	12	23.03	22.01	PASS		
		25	25	22.93	21.91	PASS		
		50	0	22.98	21.99	PASS		

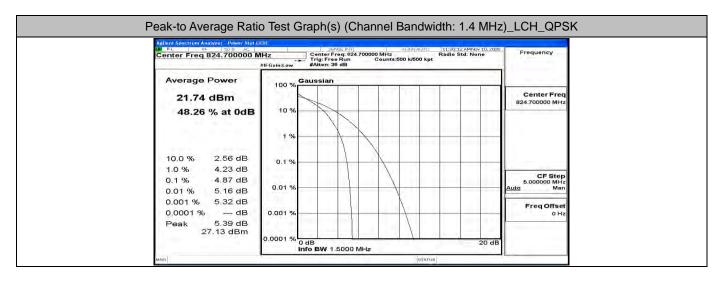
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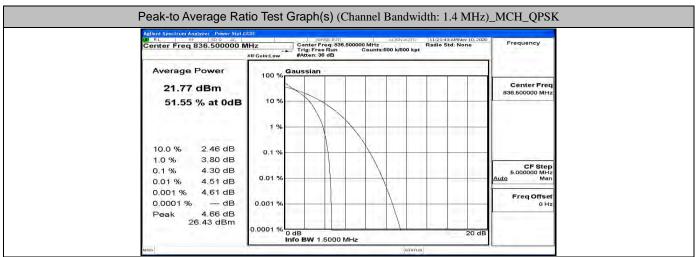
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Chamer	[dB]	[dB]	verdict		
	LCH	4.87	<13	PASS		
QPSK	MCH	4.3	<13	PASS		
	HCH	3.82	<13	PASS		
	LCH	5.77	<13	PASS		
16QAM	MCH	5	<13	PASS		
	HCH	4.83	<13	PASS		

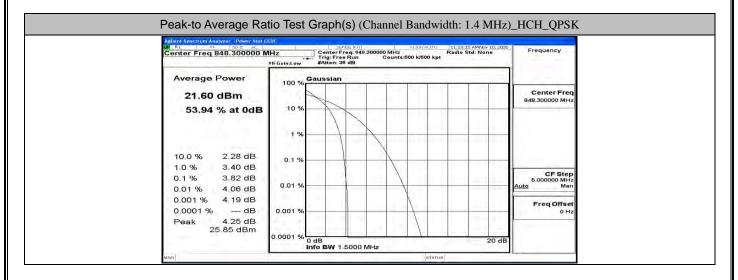
	Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict			
	LCH	5.07	<13	PASS			
QPSK	MCH	4.5	<13	PASS			
	HCH	4.35	<13	PASS			
	LCH	5.94	<13	PASS			
16QAM	MCH	5.23	<13	PASS			
	HCH	5.18	<13	PASS			

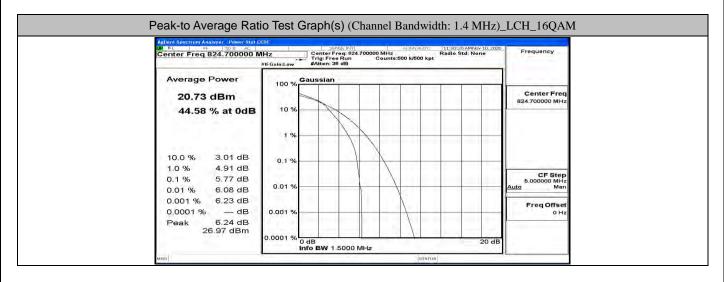
	Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Channel	[dB]	[dB]	verdict			
	LCH	4.96	<13	PASS			
QPSK	MCH	4.38	<13	PASS			
	HCH	4.49	<13	PASS			
	LCH	5.71	<13	PASS			
16QAM	MCH	5.18	<13	PASS			
	HCH	5.18	<13	PASS			

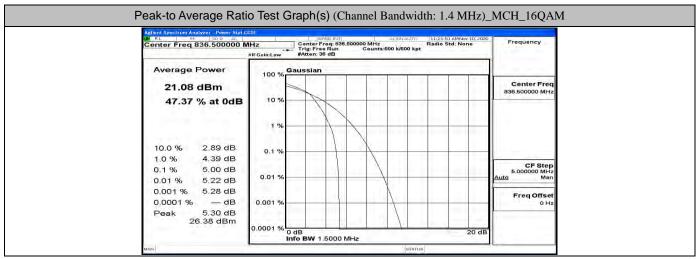
	Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Chame	[dB]	[dB]	verdict			
	LCH	4.85	<13	PASS			
QPSK	MCH	4.52	<13	PASS			
	HCH	4.85	<13	PASS			
	LCH	5.67	<13	PASS			
16QAM	MCH	5.3	<13	PASS			
	HCH	5.62	<13	PASS			

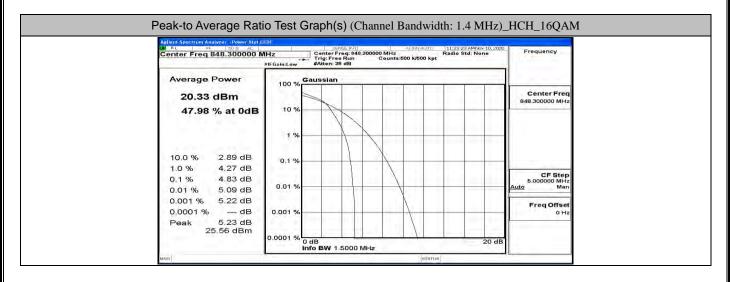


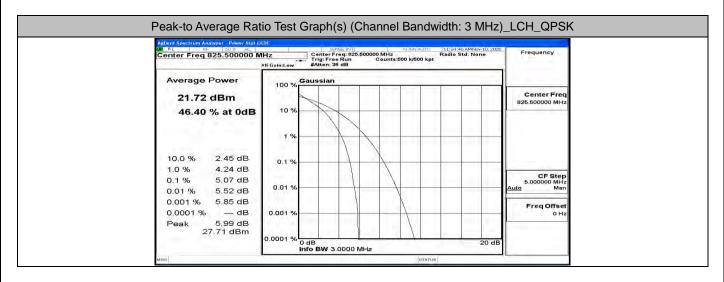


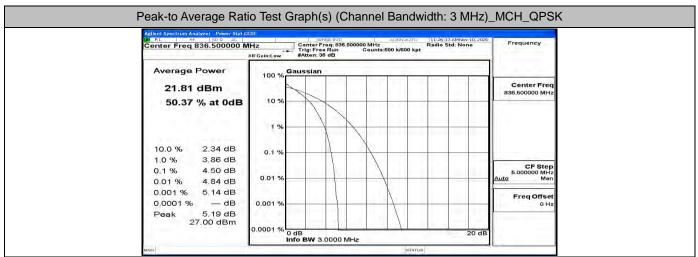


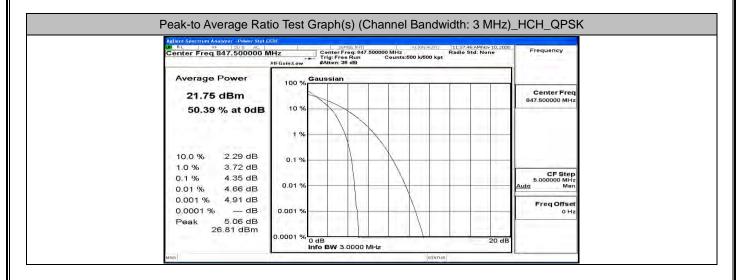


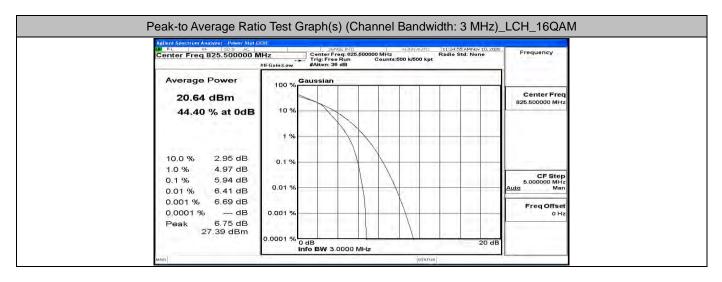


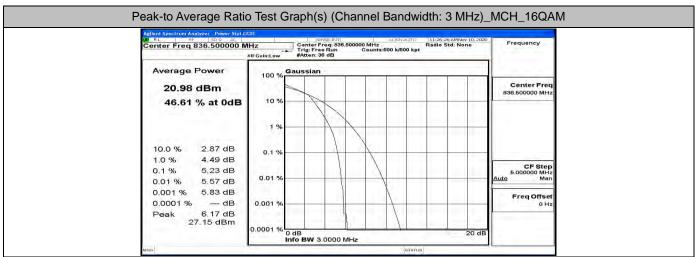


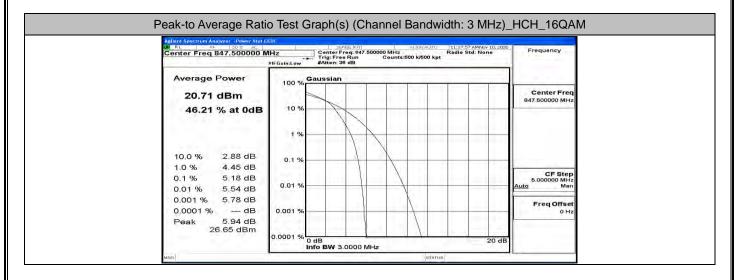


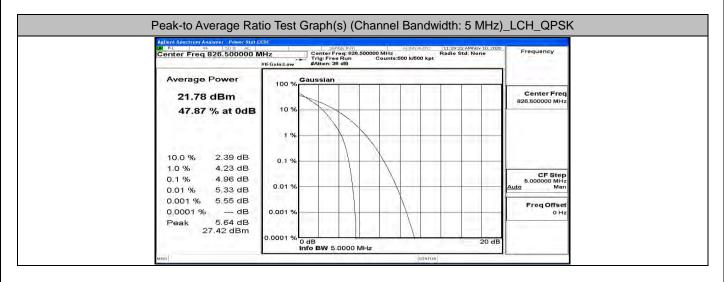


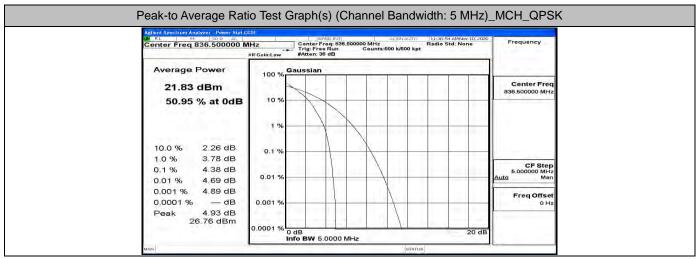


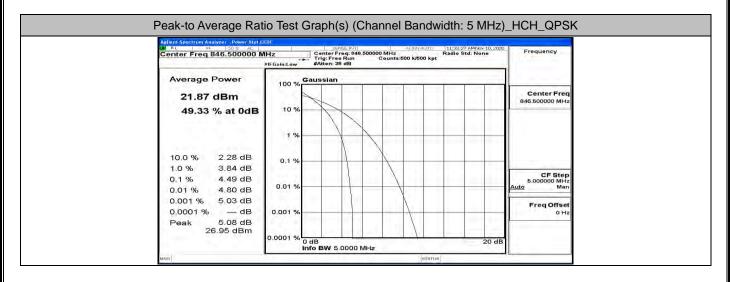


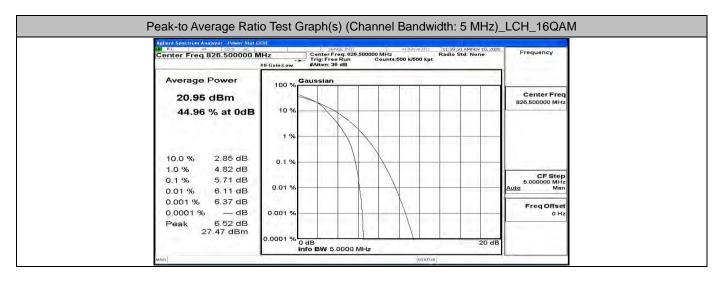


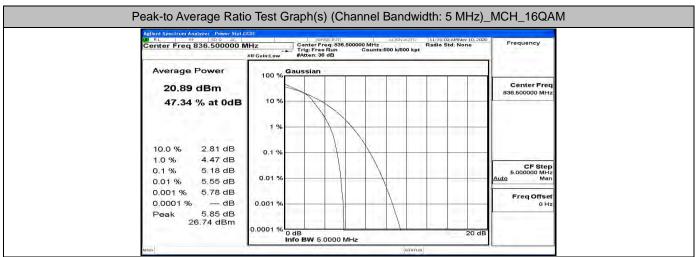


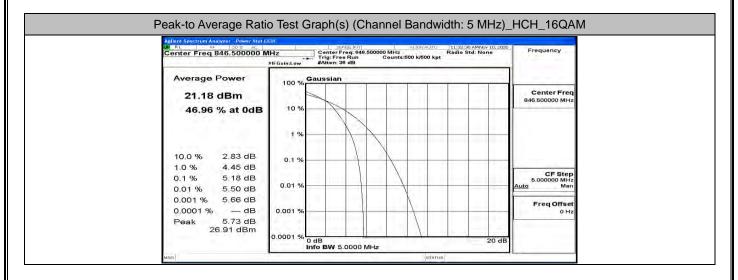


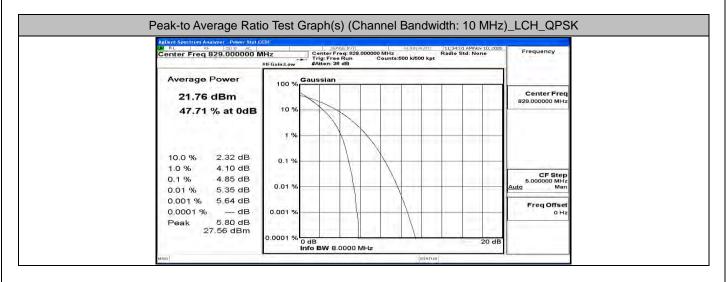


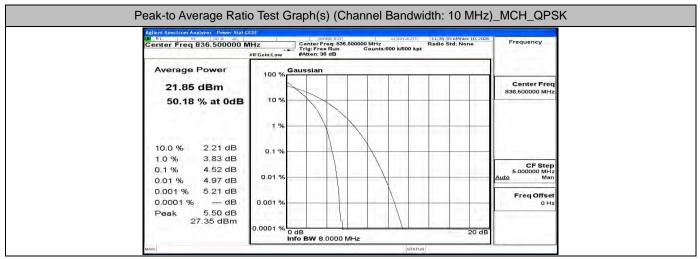


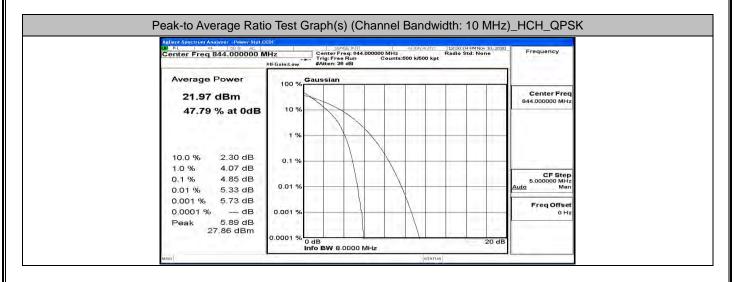


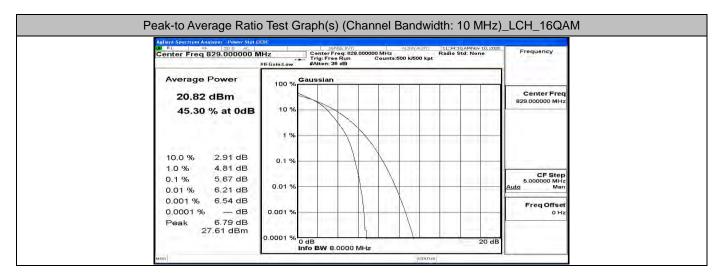


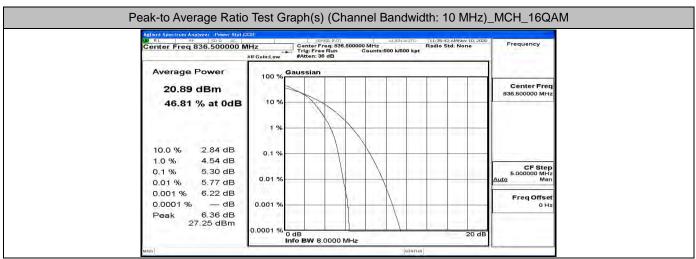


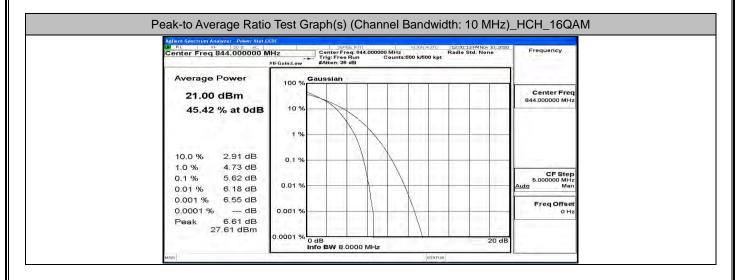












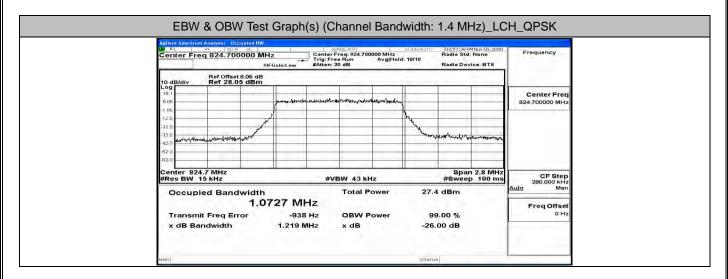
F.3 26dB Bandwidth and Occupied Bandwidth

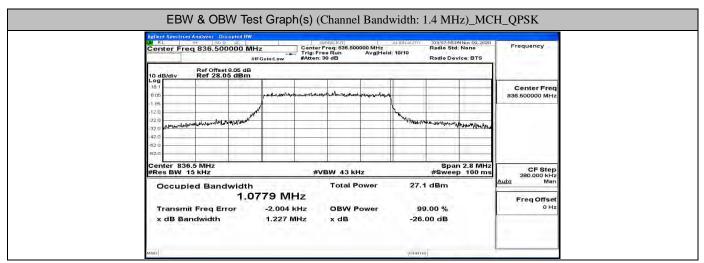
	EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict			
Woddiation	Gridinio	(MHz)	(MHz)	voraiot			
	LCH	1.0727	1.219	PASS			
QPSK	MCH	1.0779	1.227	PASS			
	HCH	1.0760	1.241	PASS			
	LCH	1.0794	1.231	PASS			
16QAM	MCH	1.0745	1.210	PASS			
	HCH	1.0803	1.241	PASS			

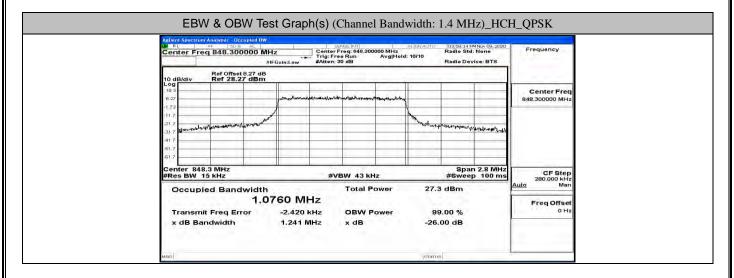
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Vordiet		
Modulation	Chame	(MHz)	(MHz)	Verdict		
	LCH	2.6808	2.821	PASS		
QPSK	MCH	2.6842	2.840	PASS		
	HCH	2.6753	2.822	PASS		
	LCH	2.6789	2.822	PASS		
16QAM	MCH	2.6755	2.834	PASS		
	HCH	2.6746	2.817	PASS		

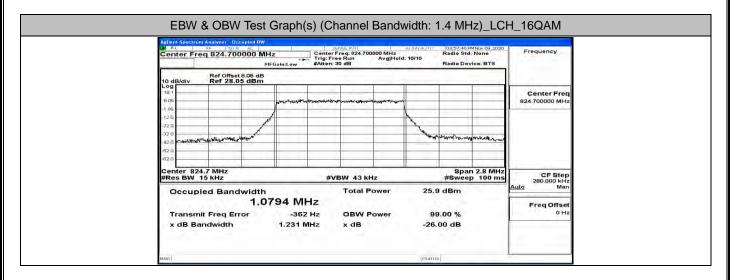
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
		(MHz)	(MHz)			
QPSK	LCH	4.4695	4.846	PASS		
	MCH	4.4801	4.865	PASS		
	HCH	4.4747	4.845	PASS		
16QAM	LCH	4.4707	4.867	PASS		
	MCH	4.4809	4.895	PASS		
	HCH	4.4761	4.834	PASS		

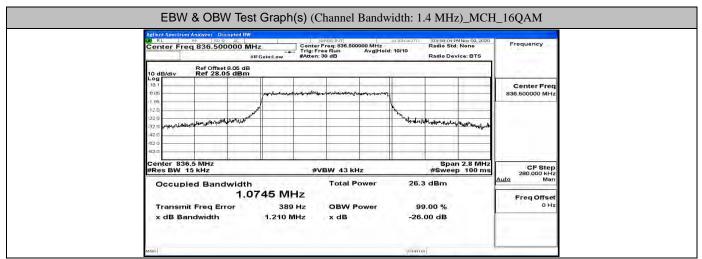
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
		(MHz)	(MHz)			
QPSK	LCH	8.9153	9.472	PASS		
	MCH	8.9506	9.643	PASS		
	HCH	8.9377	9.520	PASS		
16QAM	LCH	8.9107	9.461	PASS		
	MCH	8.9587	9.551	PASS		
	HCH	8.9198	9.445	PASS		

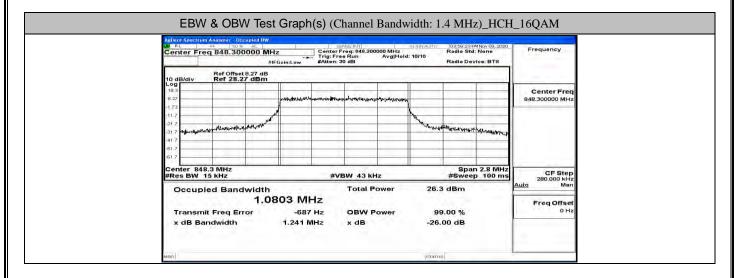


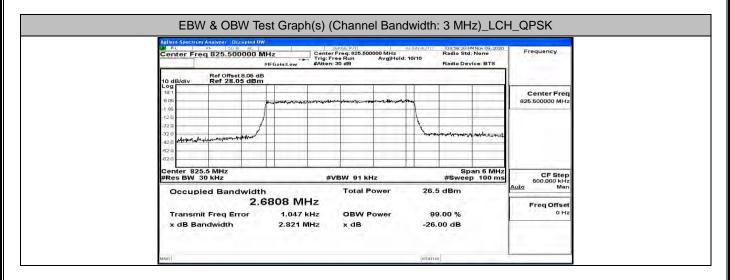


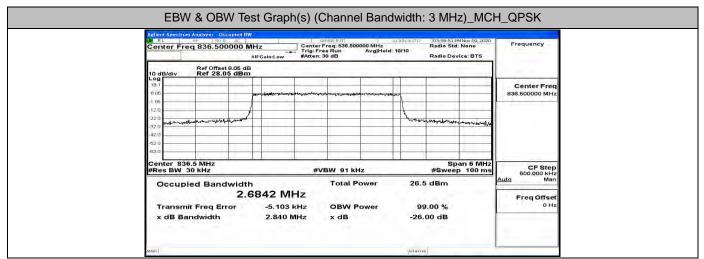


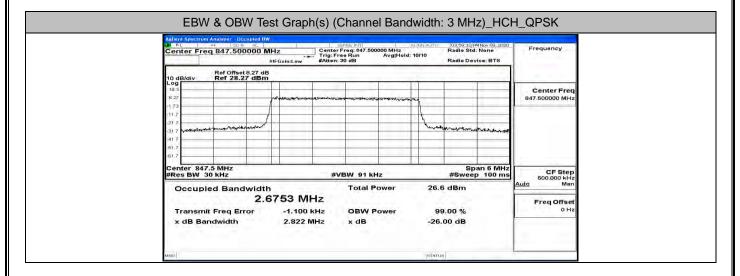


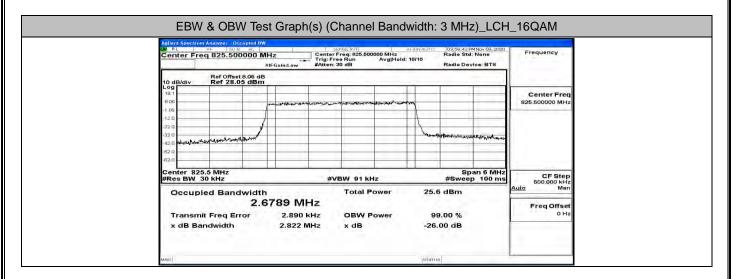


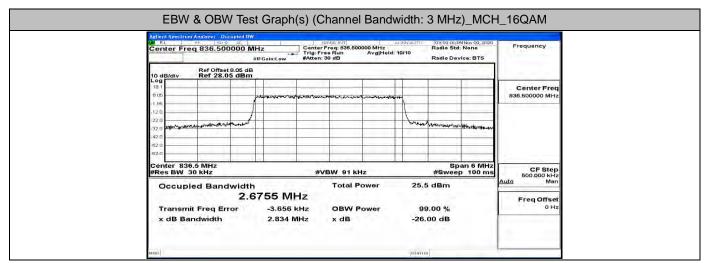


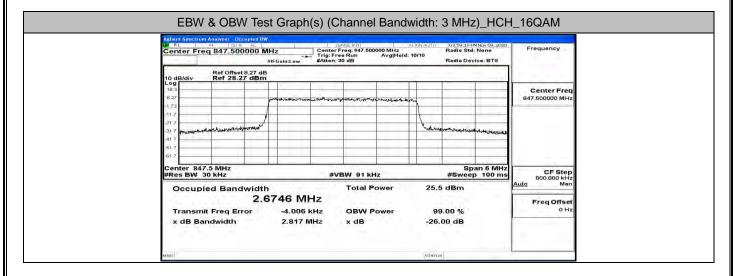


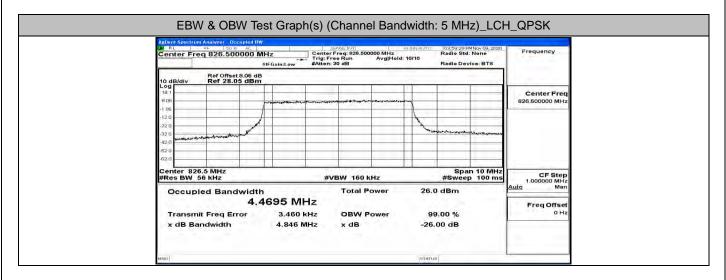


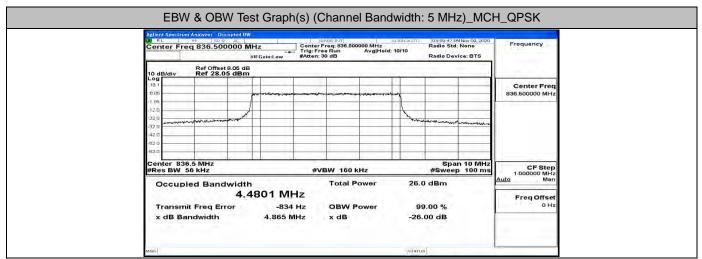


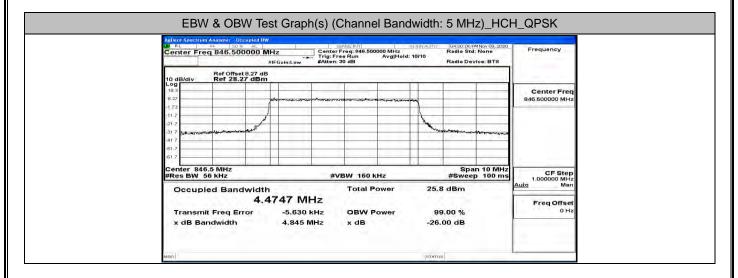


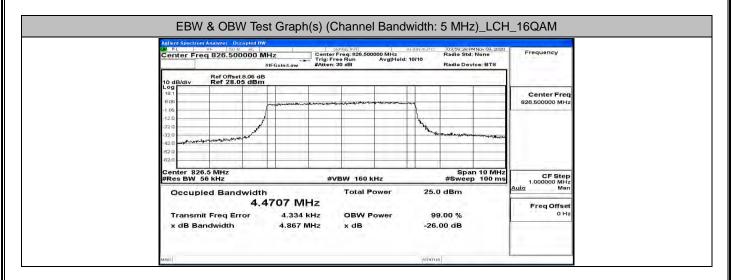


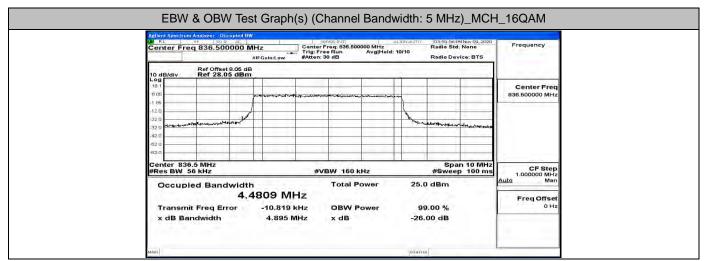


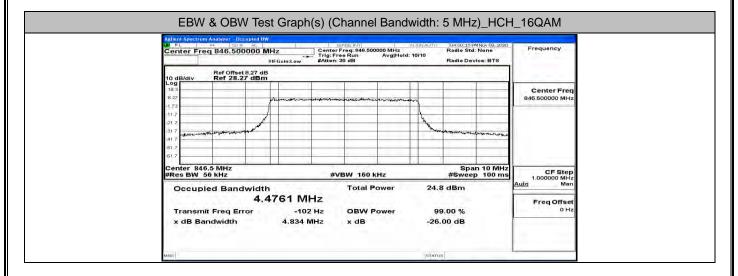


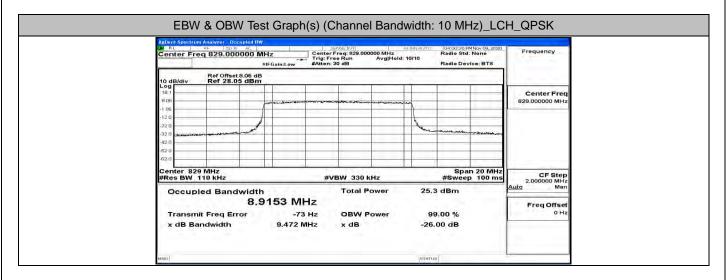


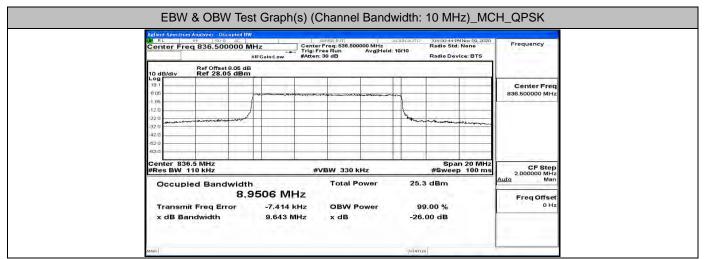


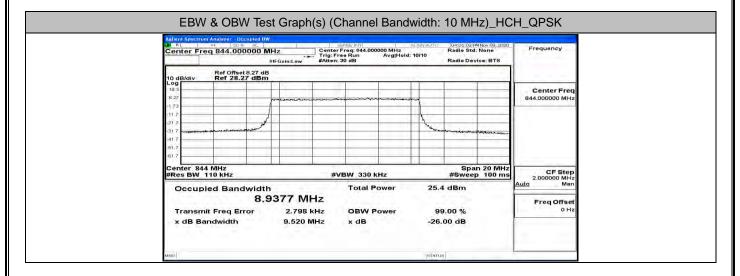


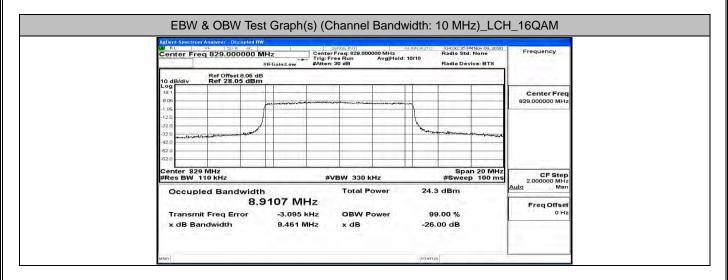


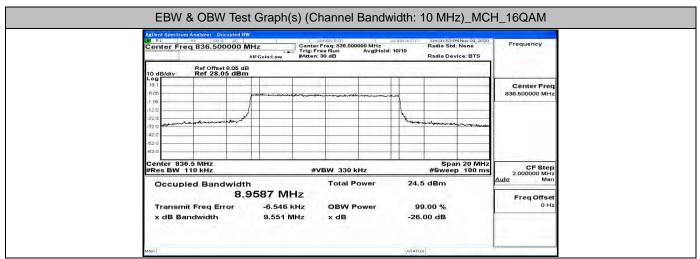


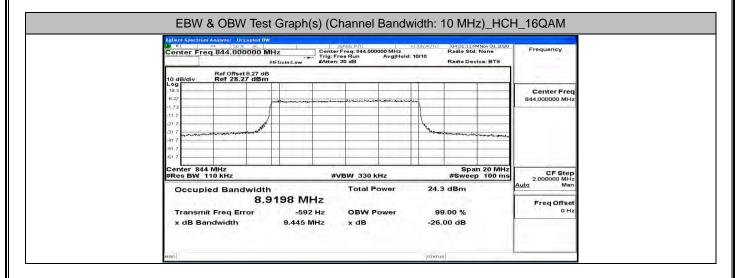




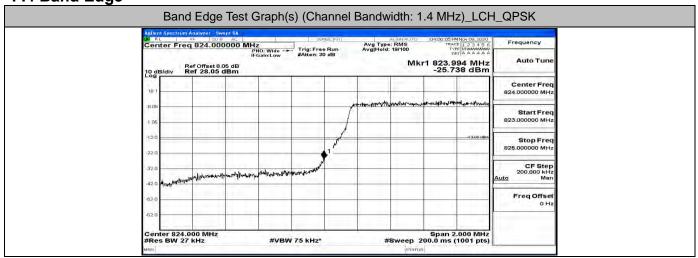


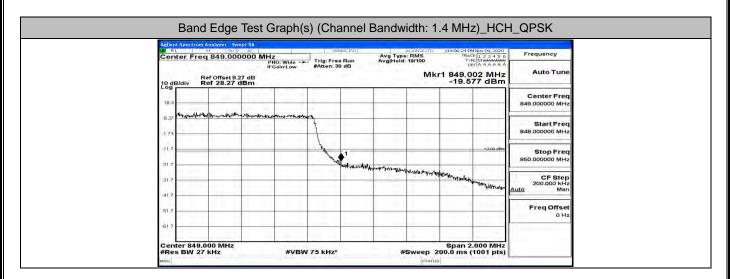


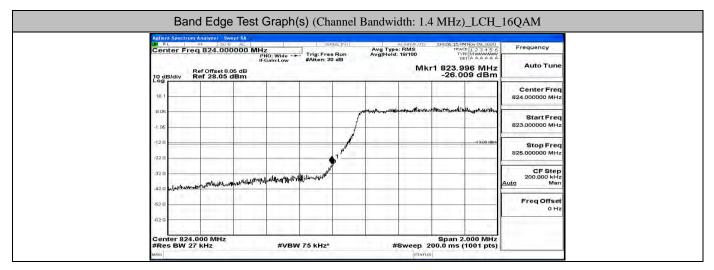


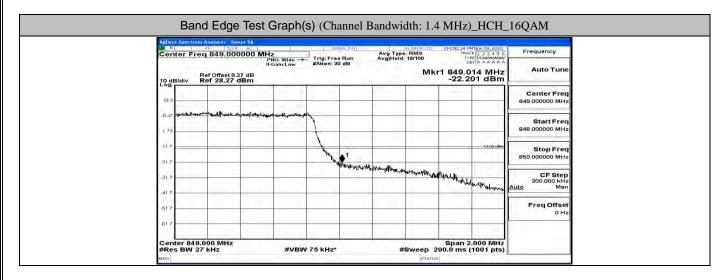


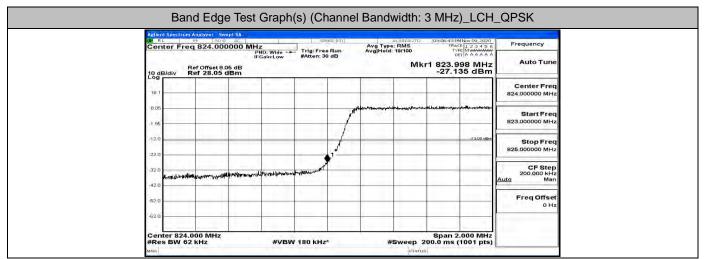
F.4 Band Edge

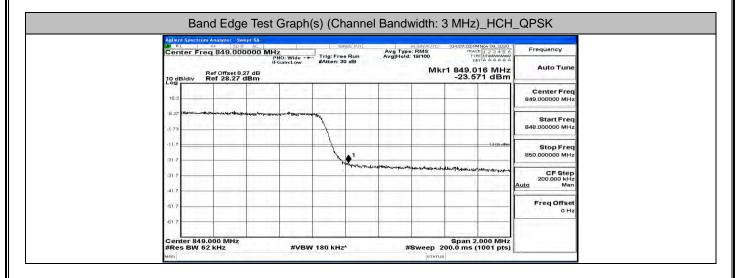


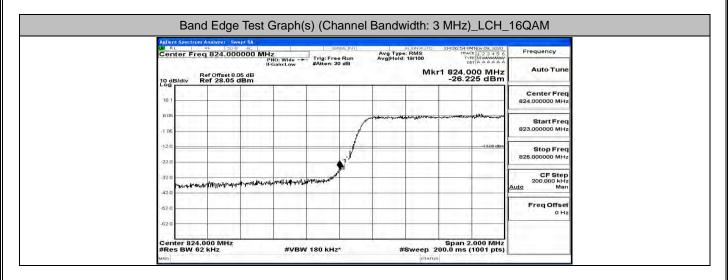


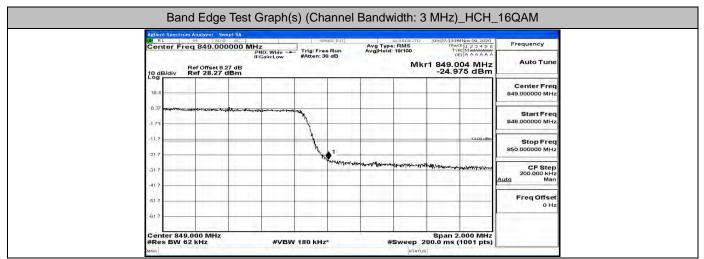


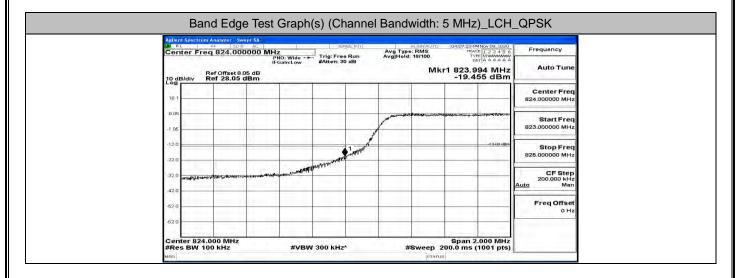


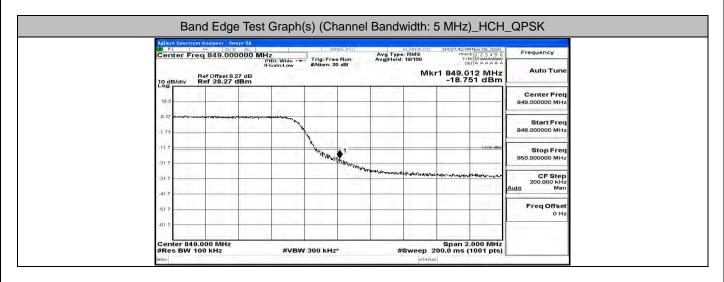


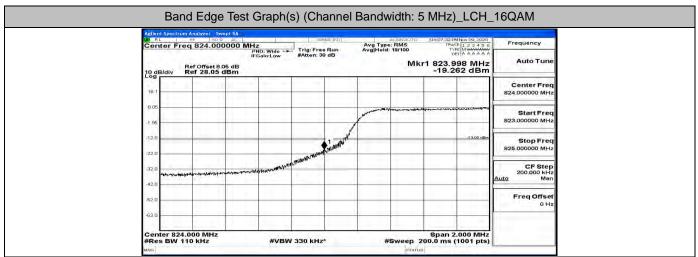


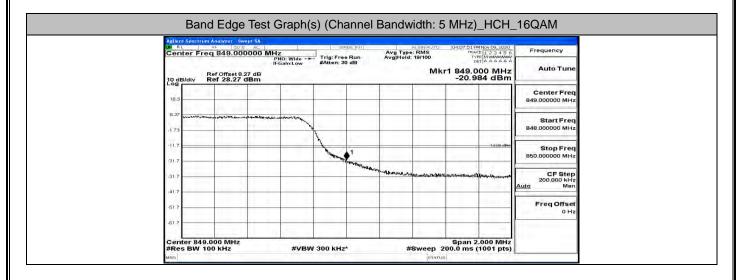










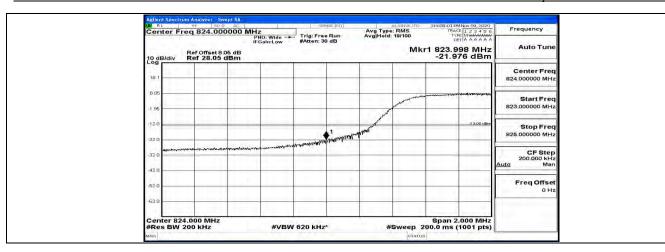


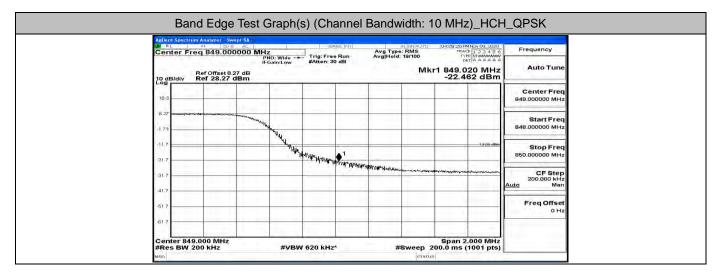
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

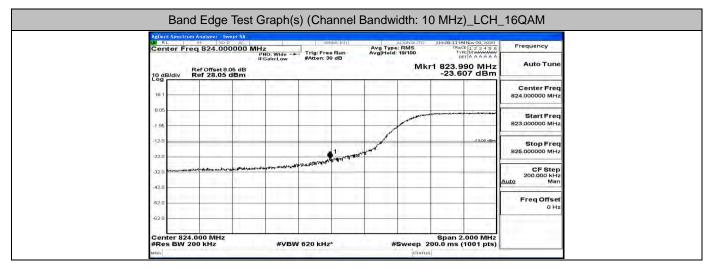
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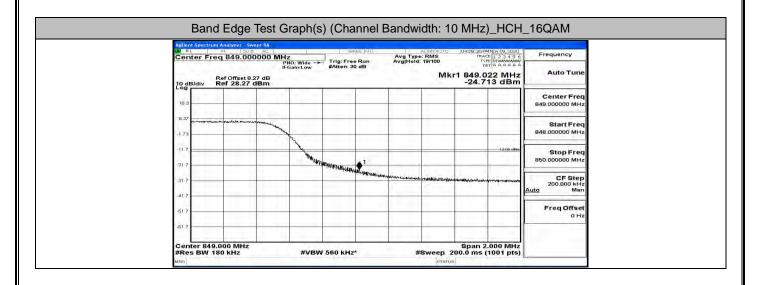
FCC ID: 2AVTH-10LC1-2

Report No.: LCS201026153AEG



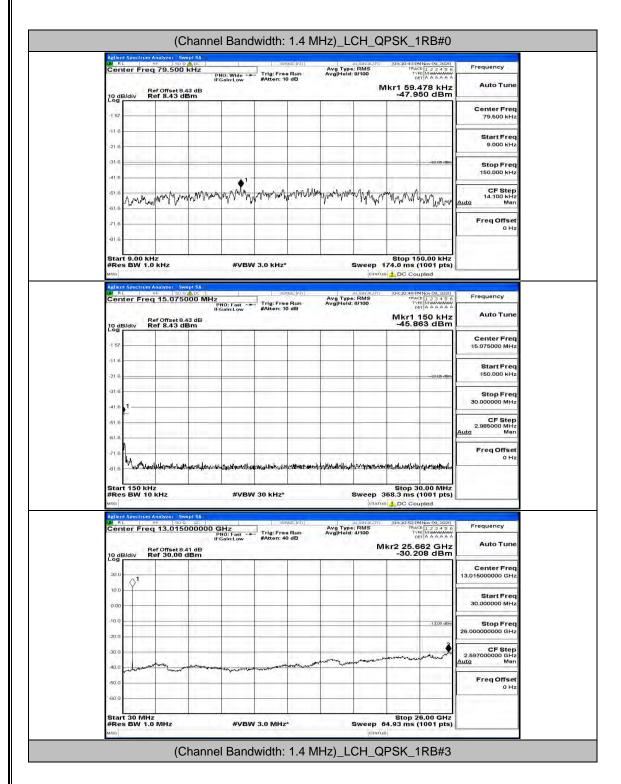


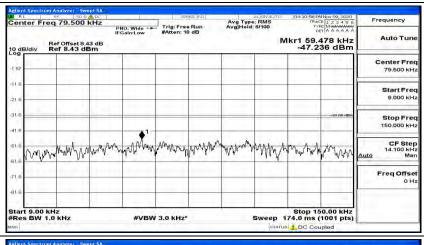


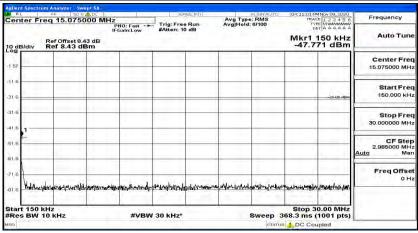


F.5 Conducted Spurious Emission Test Graphs

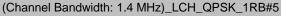
Channel Bandwidth: 1.4 MHz

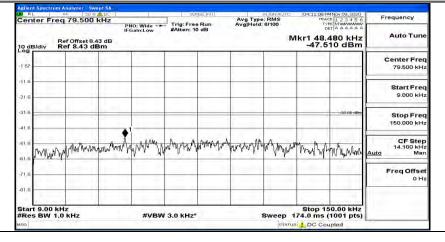


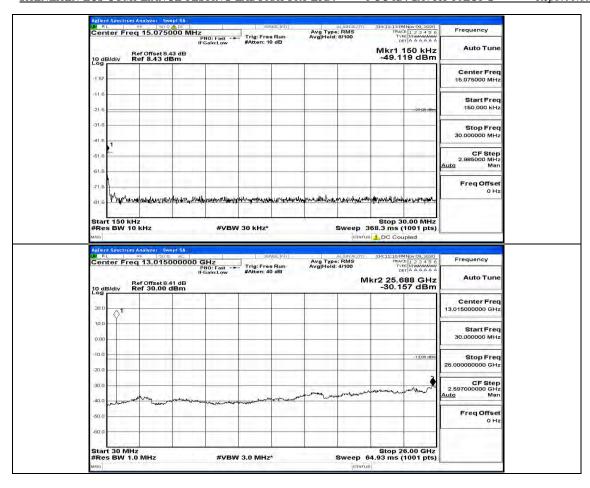


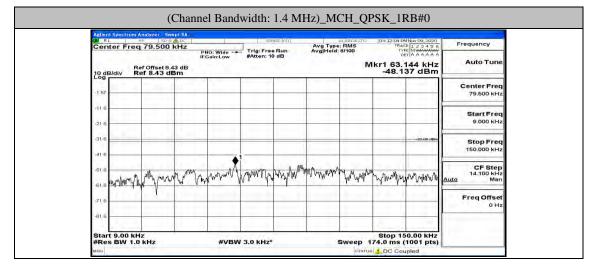


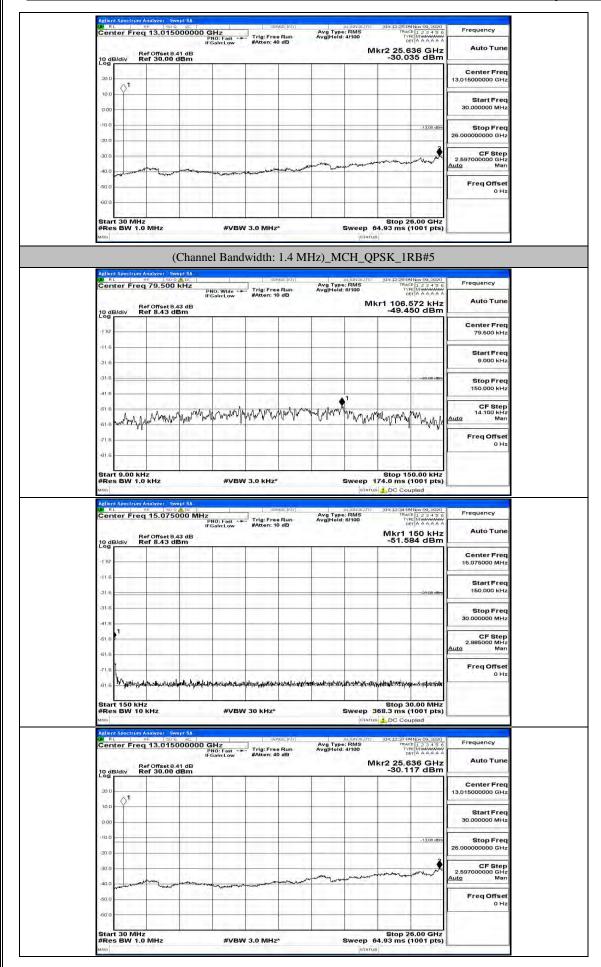


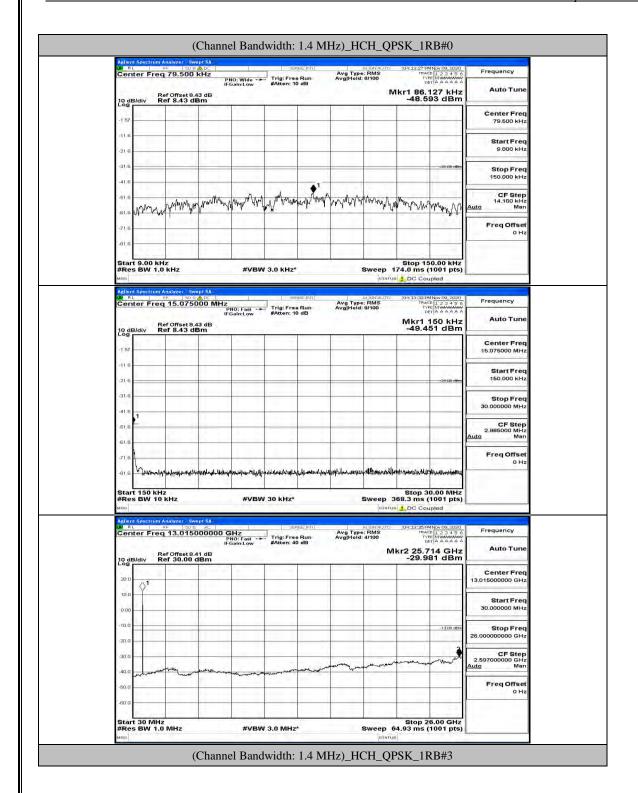


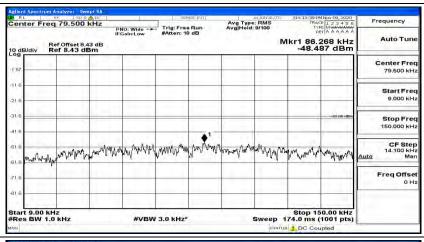


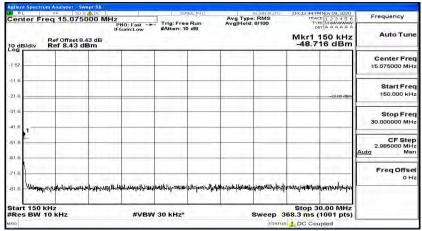




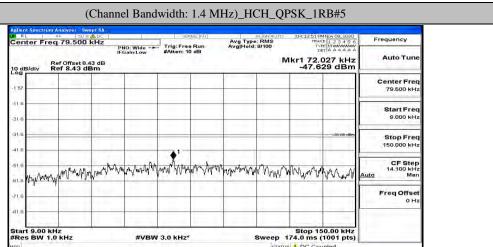


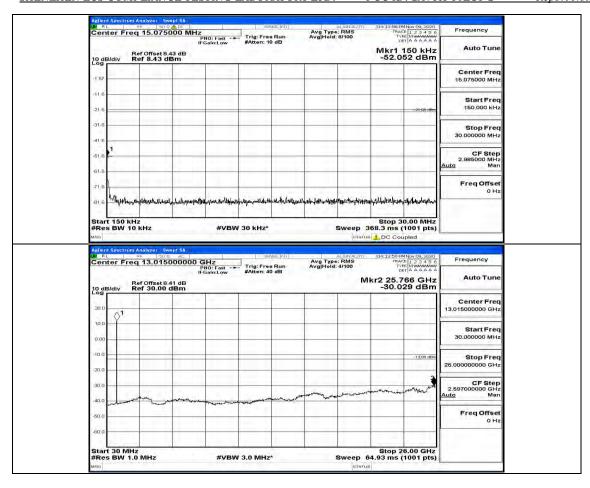


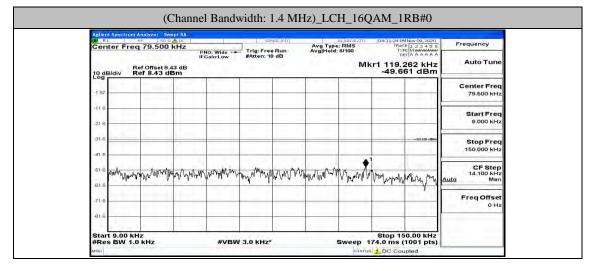


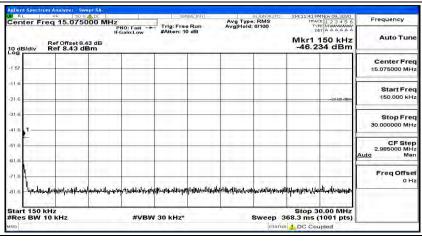


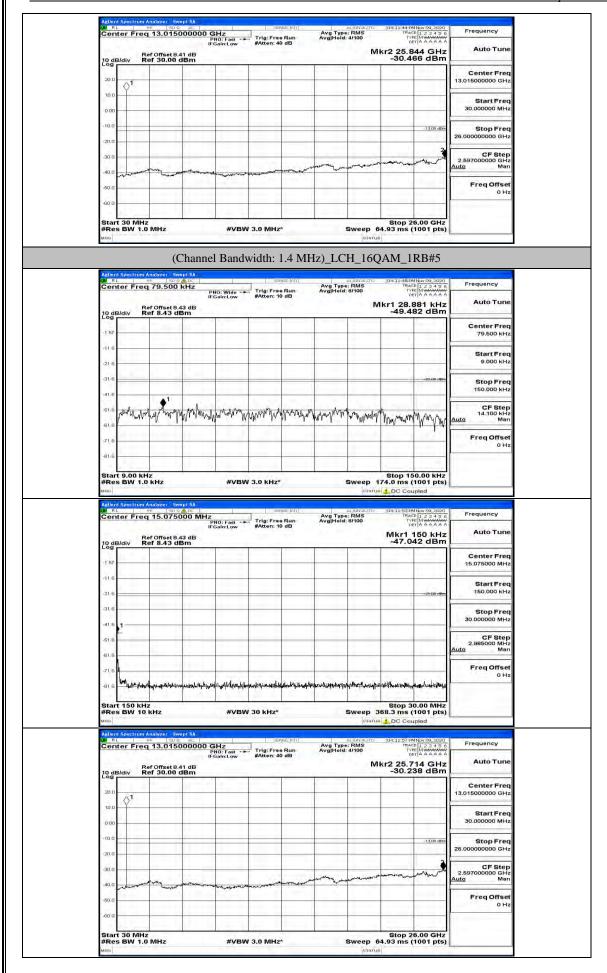


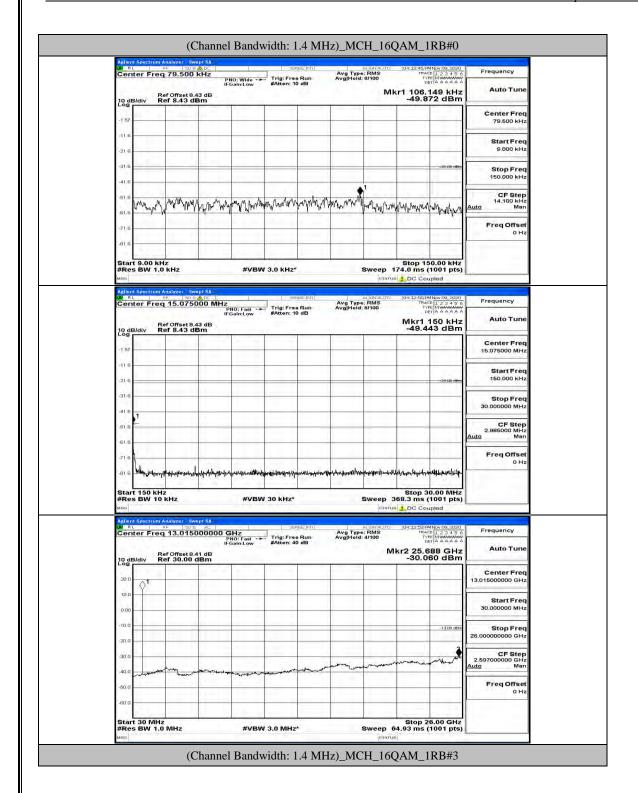


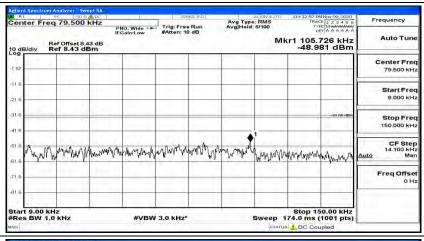


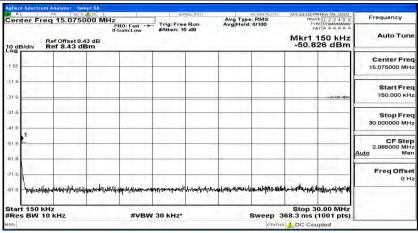


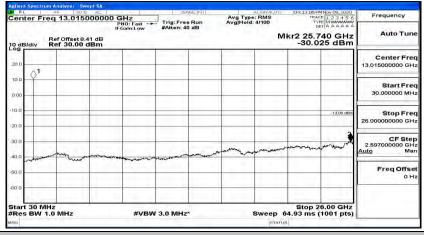


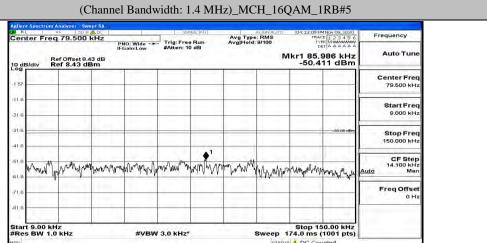




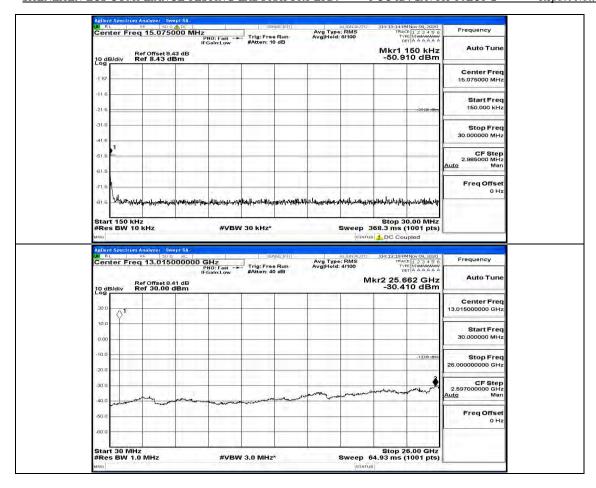


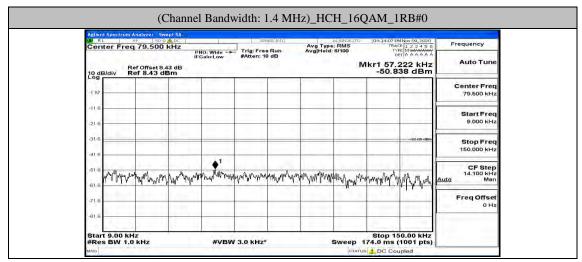






#VBW 3.0 kHz*



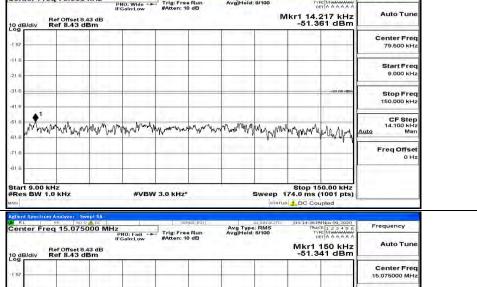


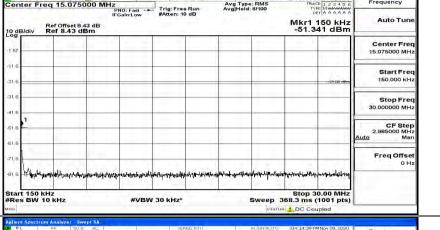
Stop 30.00 MHz Sweep 368.3 ms (1001 pts)

Start 150 kHz #Res BW 10 kHz

#VBW 30 kHz*

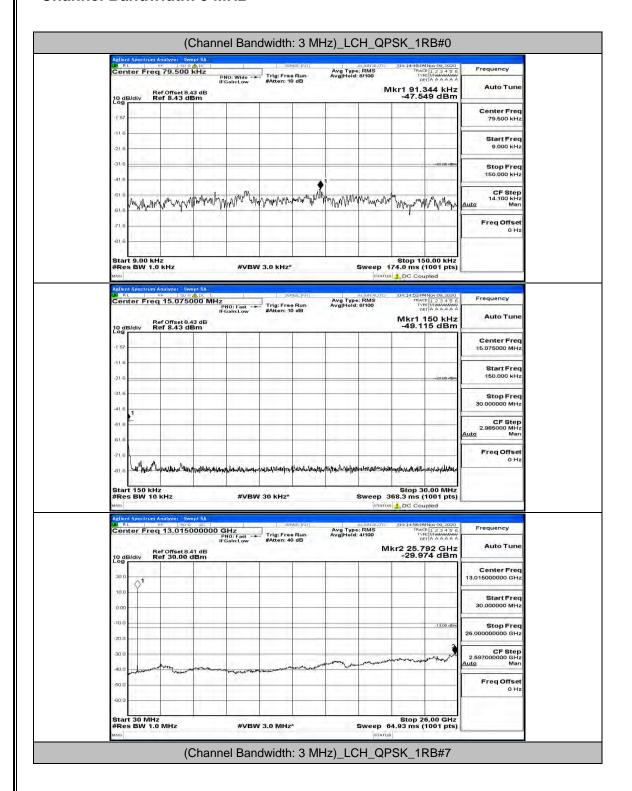
CF Step 2.985000 MHz Mar

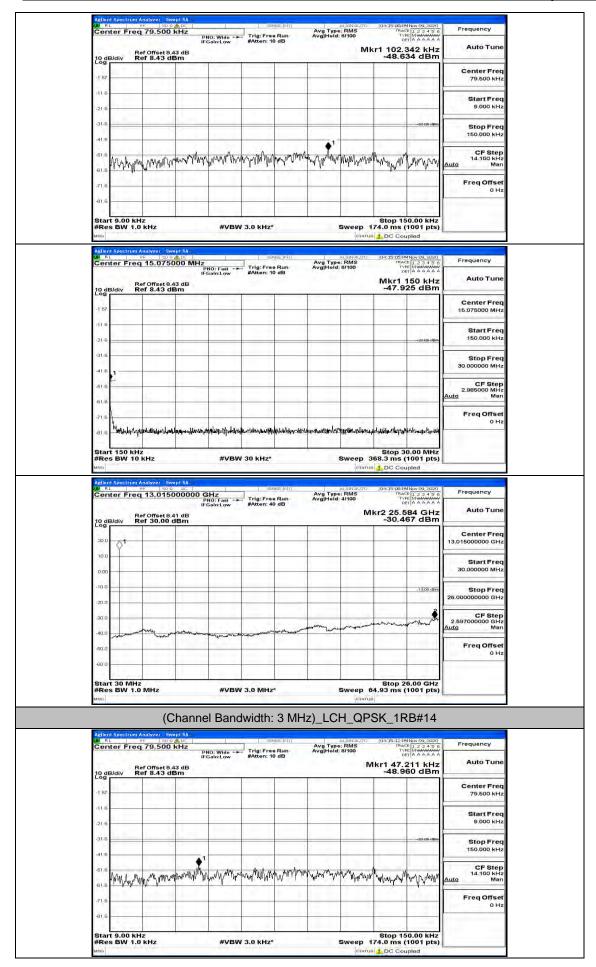


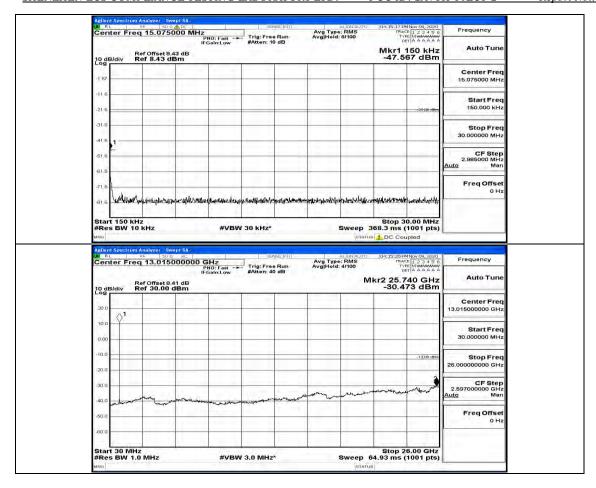


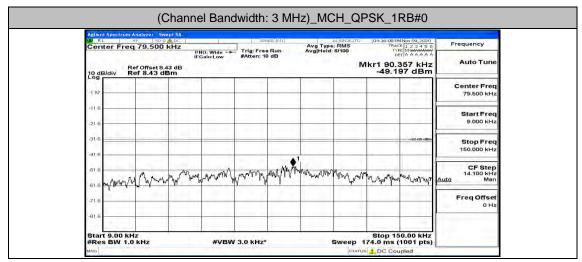


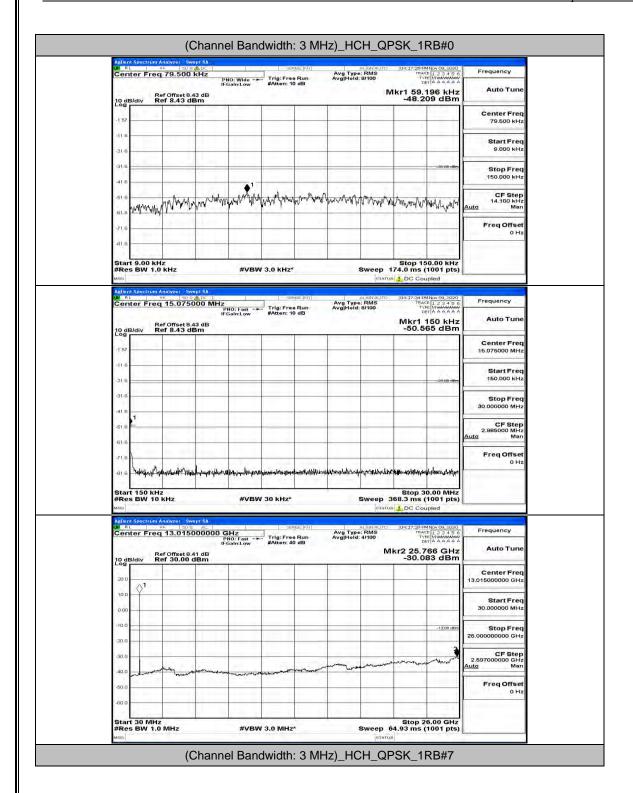
Channel Bandwidth: 3 MHz

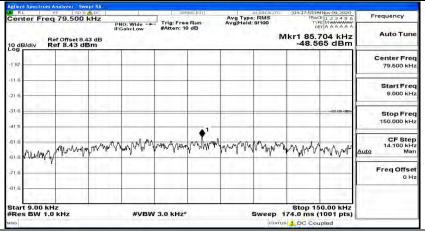


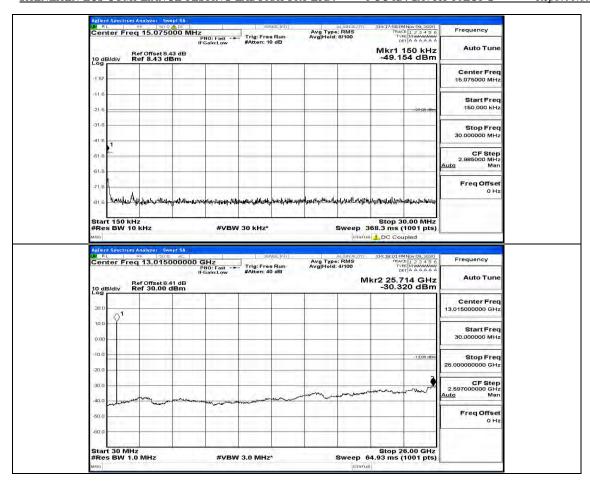


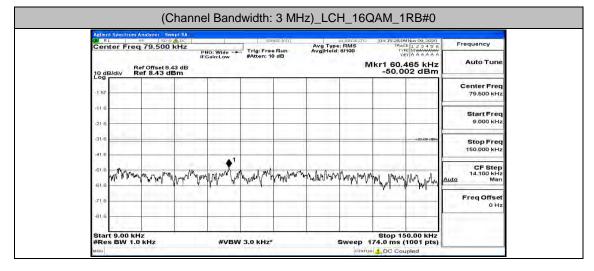








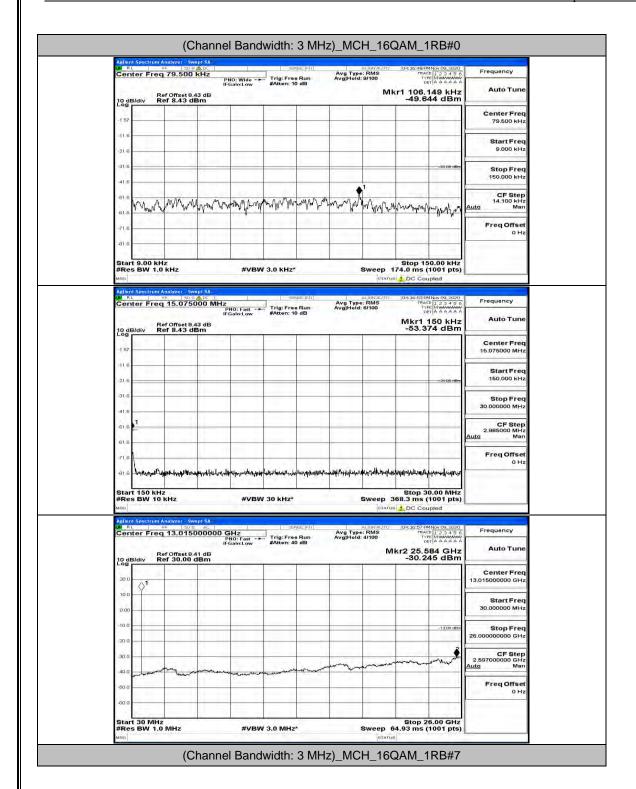


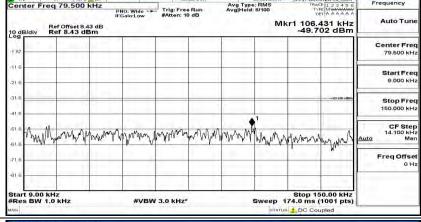


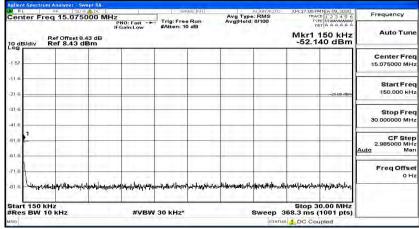
FCC ID: 2AVTH-10LC1-2

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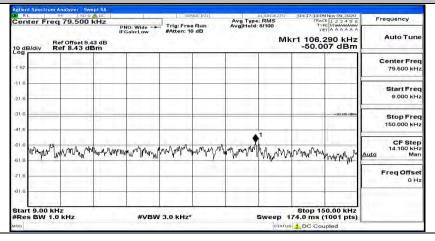


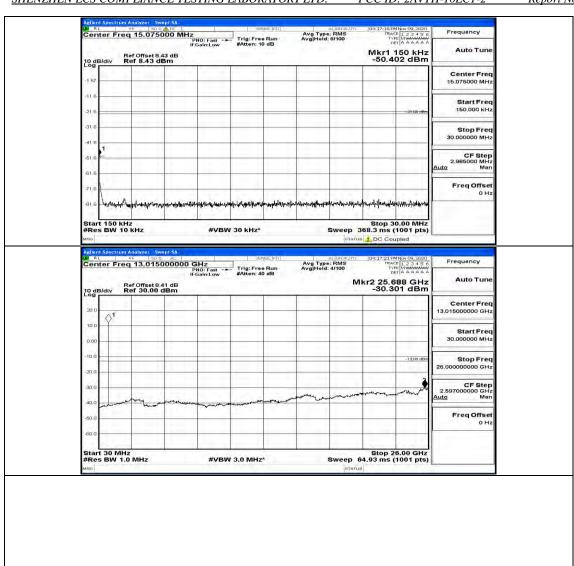


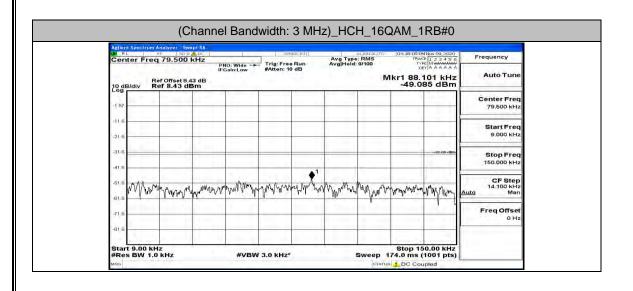




(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14







FCC ID: 2AVTH-10LC1-2

Report No.: LCS201026153AEG

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

Channel Bandwidth: 5 MHz

