Appendix F: Test Data for E-UTRA Band 5

Product Name: Tablet

HYUNDAI

Trade Mark:

Test Model: 10LB2

Environmental Conditions

Temperature:	22.7°C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

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	21.67	20.72	PASS		
		1	3	21.89	20.73	PASS		
		1	5	21.88	20.88	PASS		
	LCH	3	0	21.84	20.81	PASS		
		3	2	21.90	20.78	PASS		
		3	3	21.94	20.62	PASS		
		6	0	20.86	19.86	PASS		
		1	0	22.99	22.17	PASS		
ODCK /		1	3	23.03	22.45	PASS		
QPSK / 16QAM		1	5	22.87	22.23	PASS		
TOQAIVI	MCH	3	0	22.97	22.11	PASS		
		3	2	23.09	22.27	PASS		
		3	3	23.02	22.31	PASS		
		6	0	22.03	20.64	PASS		
		1	0	22.29	21.70	PASS		
		1	3	22.44	21.94	PASS		
	HCH	1	5	22.25	21.73	PASS		
		3	0	22.72	21.89	PASS		
		3	2	22.56	21.80	PASS		

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		3	3	22.44	21.67	PASS
		6	0	21.26	20.67	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	21.98	21.49	PASS	
		1	7	21.97	21.23	PASS	
		1	14	21.97	21.25	PASS	
	LCH	8	0	20.89	19.81	PASS	
		8	4	20.98	19.99	PASS	
		8	7	20.92	19.95	PASS	
		15	0	21.02	19.98	PASS	
		1	0	23.01	22.35	PASS	
22011		1	7	22.99	22.10	PASS	
		1	14	23.22	22.63	PASS	
QPSK / 16QAM	MCH	8	0	21.74	20.66	PASS	
IOQAW		8	4	21.94	20.93	PASS	
		8	7	22.04	20.76	PASS	
		15	0	21.93	20.92	PASS	
		1	0	22.71	21.64	PASS	
		1	7	22.80	21.50	PASS	
		1	14	22.17	21.23	PASS	
	HCH	8	0	21.82	20.45	PASS	
		8	4	21.43	20.31	PASS	
		8	7	21.60	20.23	PASS	
		15	0	21.61	20.49	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/andiat	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	21.87	20.43	PASS	
		1	12	22.16	20.62	PASS	
		1	24	22.24	20.78	PASS	
	LCH	12	0	20.90	20.01	PASS	
		12	6	20.90	19.84	PASS	
		12	13	21.05	20.13	PASS	
		25	0	20.89	20.07	PASS	
		1	0	22.95	21.72	PASS	
		1	12	23.23	21.90	PASS	
QPSK /	МСН	1	24	23.24	22.09	PASS	
16QAM		12	0	21.72	20.51	PASS	
TOQAIVI		12	6	21.94	20.87	PASS	
		12	13	22.08	21.16	PASS	
		25	0	21.85	21.02	PASS	
		1	0	22.84	21.77	PASS	
		1	12	23.00	21.26	PASS	
		1	24	22.50	21.11	PASS	
	HCH	12	0	21.70	20.68	PASS	
		12	6	21.76	20.40	PASS	
		12	13	21.52	20.36	PASS	
		25	0	21.60	20.69	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vandiat	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	21.71	21.58	PASS	
		1	24	22.05	21.82	PASS	
		1	49	22.66	22.02	PASS	
	LCH	25	0	21.12	20.05	PASS	
		25	12	21.20	20.13	PASS	
		25	25	21.61	20.68	PASS	
		50	0	21.31	20.27	PASS	
		1	0	22.51	21.96	PASS	
		1	24	22.82	22.47	PASS	
QPSK /		1	49	23.12	22.47	PASS	
16QAM	MCH	25	0	21.82	20.73	PASS	
TOQAW		25	12	21.88	20.73	PASS	
		25	25	22.18	21.08	PASS	
		50	0	21.99	20.91	PASS	
		1	0	23.34	21.90	PASS	
		1	24	23.14	21.83	PASS	
		1	49	22.35	21.24	PASS	
	HCH	25	0	22.10	21.13	PASS	
		25	12	21.92	20.95	PASS	
		25	25	21.77	20.75	PASS	
		50	0	21.93	21.01	PASS	

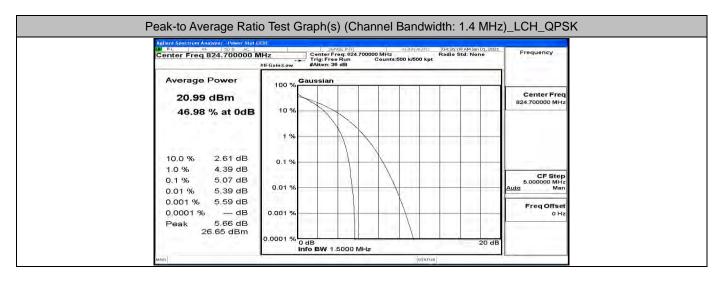
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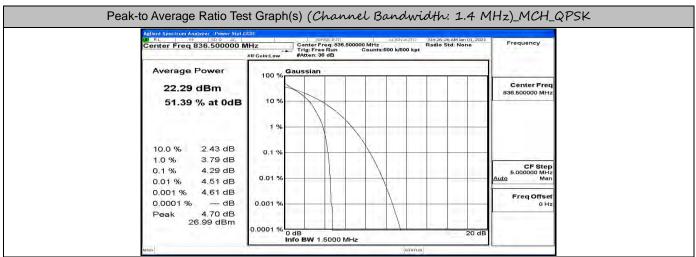
	Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Griannei	[dB]	[dB]	verdict			
	LCH	5.07	<13	PASS			
QPSK	MCH	4.29	<13	PASS			
	HCH	3.7	<13	PASS			
	LCH	5.96	<13	PASS			
16QAM	MCH	5.14	<13	PASS			
	HCH	4.65	<13	PASS			

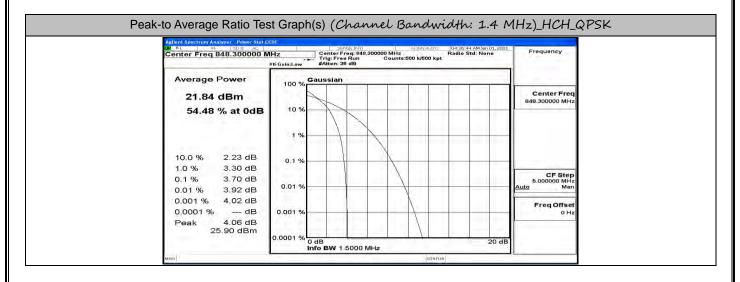
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Channel	[dB]	[dB]	verdict		
	LCH	5.18	<13	PASS		
QPSK	MCH	4.58	<13	PASS		
	HCH	4.35	<13	PASS		
16QAM	LCH	6.04	<13	PASS		
	MCH	5.34	<13	PASS		
	HCH	5.2	<13	PASS		

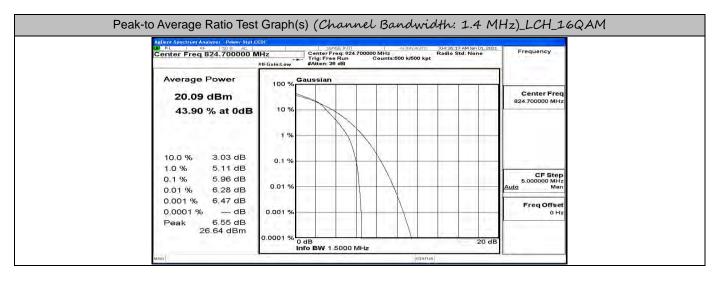
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict		
Modulation	Channel	[dB]	[dB]	Verdict		
	LCH	5.12	<13	PASS		
QPSK	MCH	4.5	<13	PASS		
	HCH	4.53	<13	PASS		
	LCH	5.97	<13	PASS		
16QAM	MCH	5.29	<13	PASS		
	HCH	5.39	<13	PASS		

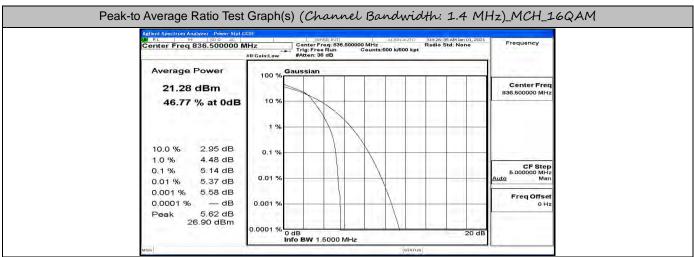
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
iviodulation	Griannei	[dB]	[dB]	verdict		
	LCH	4.88	<13	PASS		
QPSK	MCH	4.58	<13	PASS		
	HCH	4.93	<13	PASS		
	LCH	5.73	<13	PASS		
16QAM	MCH	5.41	<13	PASS		
	HCH	5.74	<13	PASS		

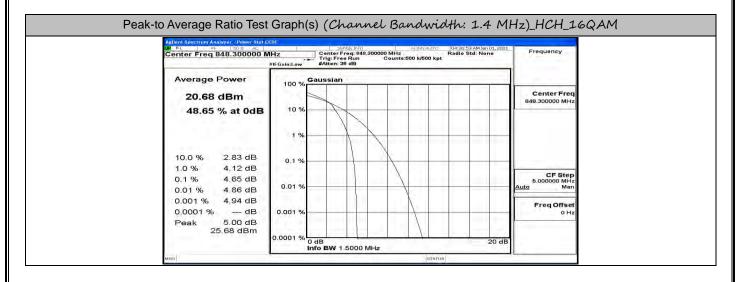


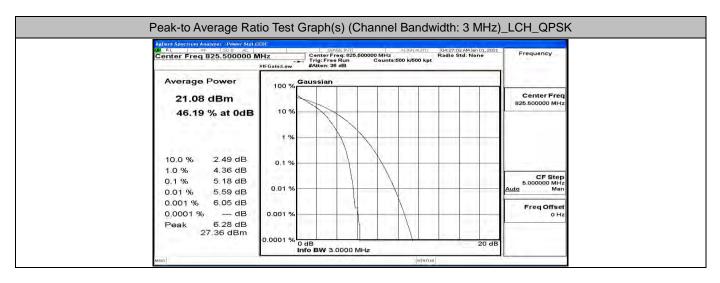


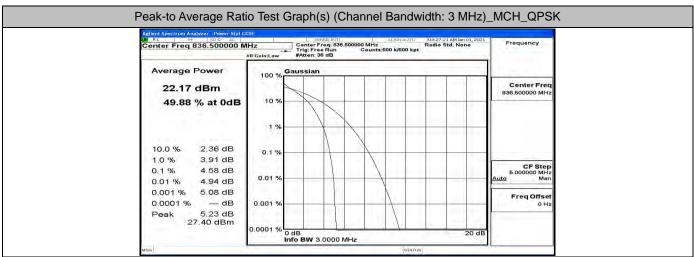


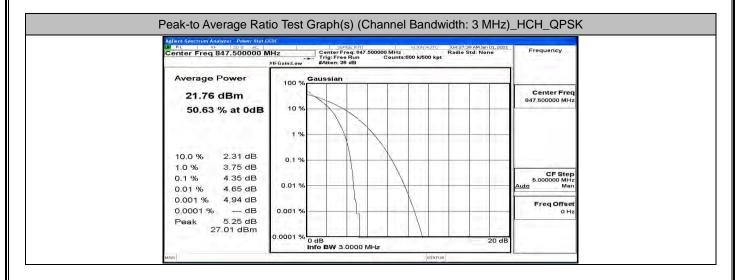


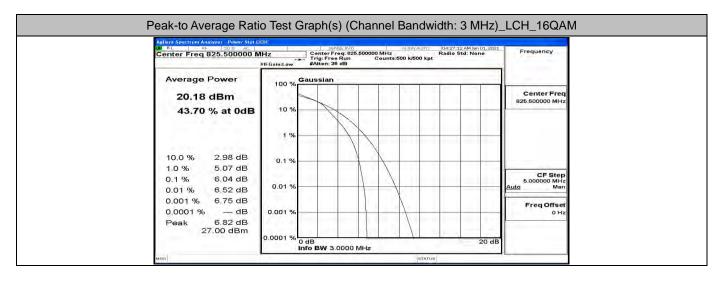


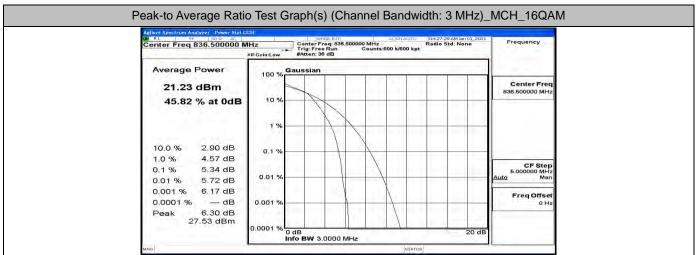


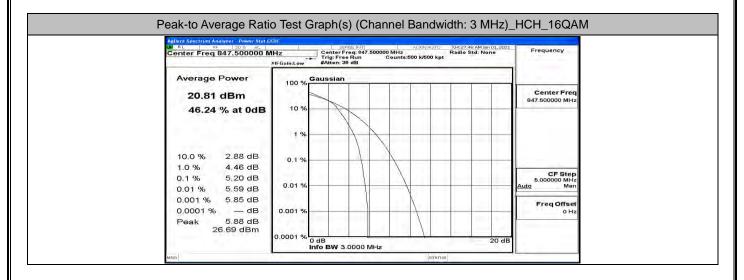


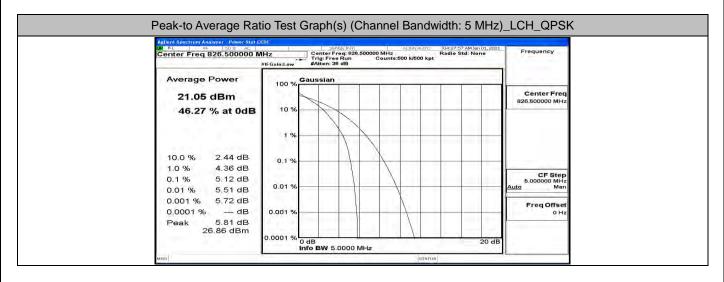


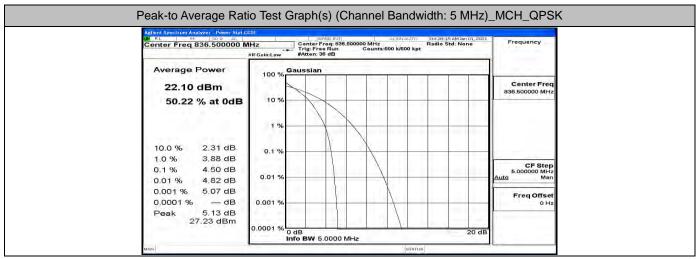


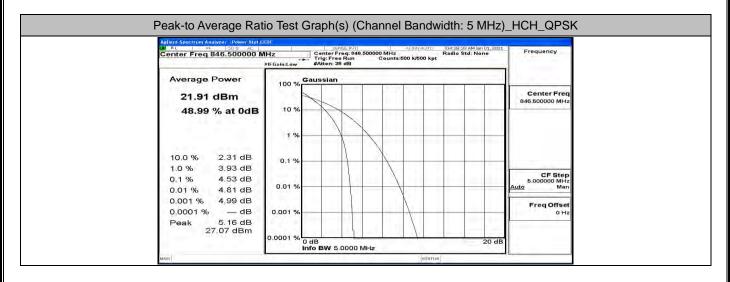


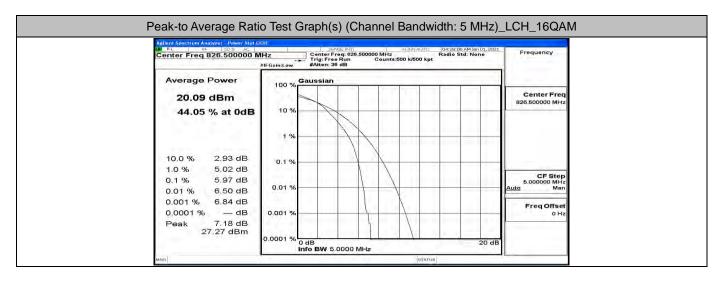


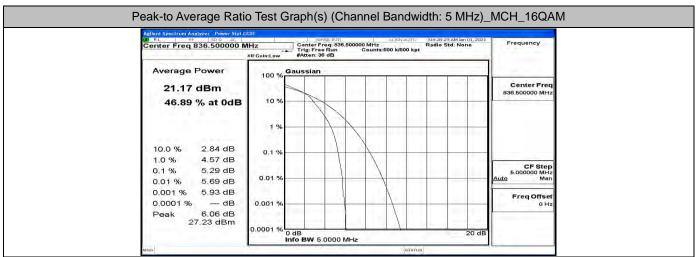


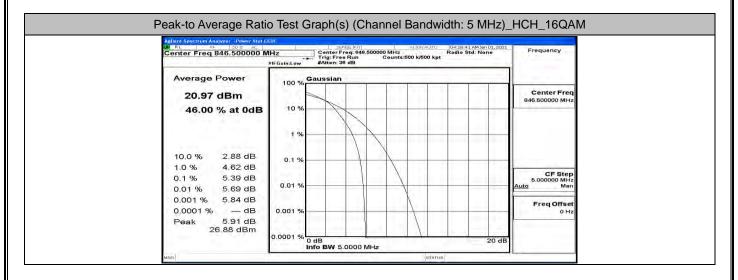


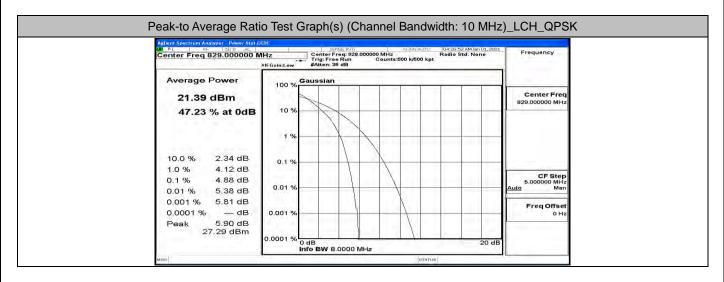


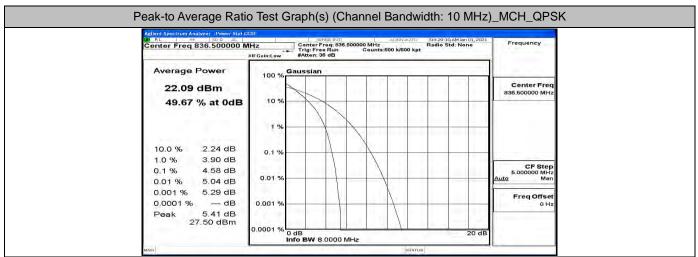


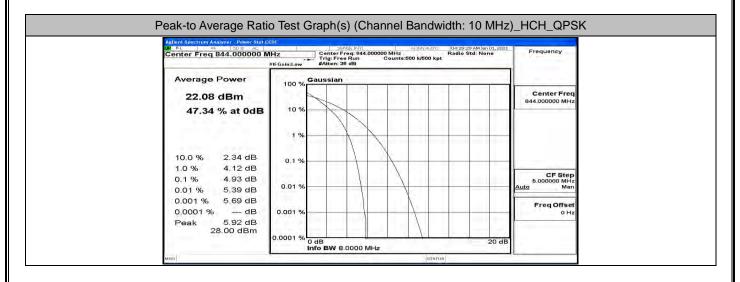


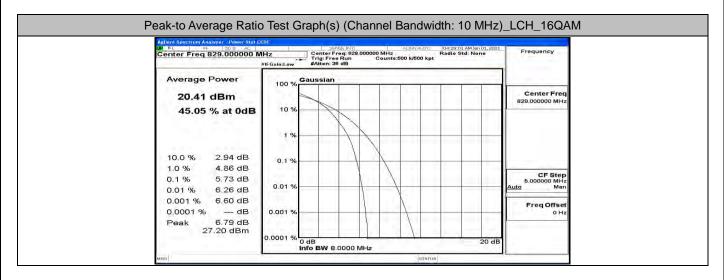


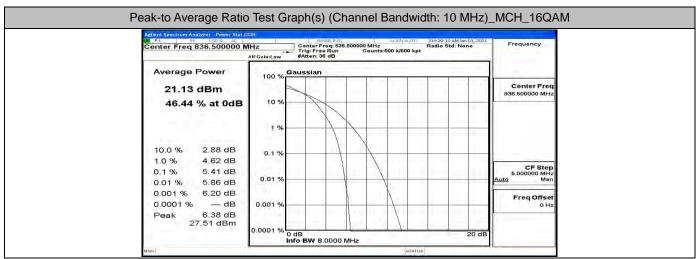


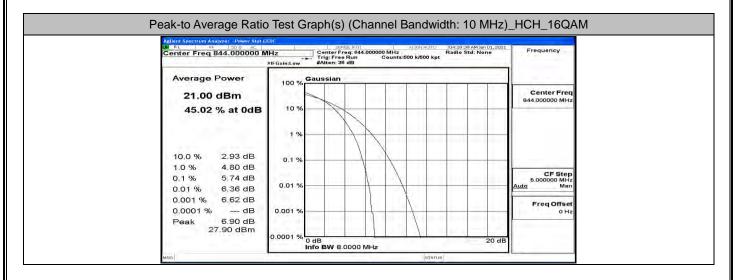












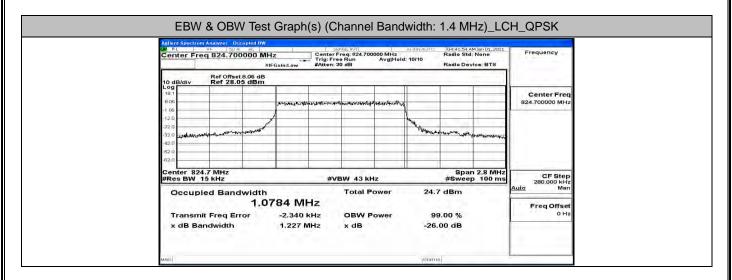
F.3 26dB Bandwidth and Occupied Bandwidth

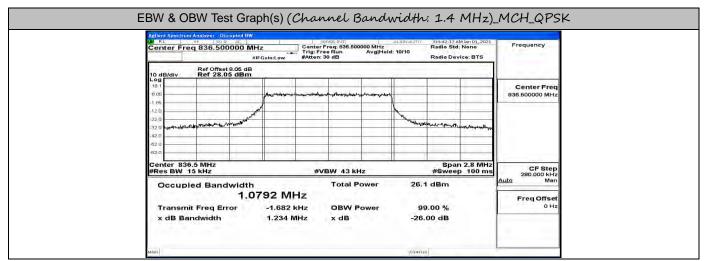
	EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict			
	LCH	1.0784	1.227	PASS			
QPSK	MCH	1.0792	1.234	PASS			
	HCH	1.0811	1.238	PASS			
	LCH	1.0791	1.246	PASS			
16QAM	MCH	1.0786	1.240	PASS			
	HCH	1.0797	1.256	PASS			

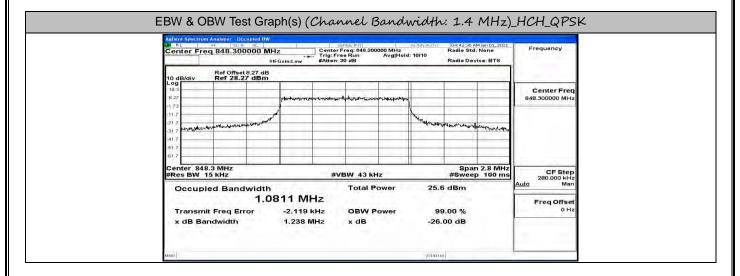
	EBW & OBW Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Vordiet			
Modulation	Griannei	(MHz)	(MHz)	Verdict			
	LCH	2.6814	2.901	PASS			
QPSK	MCH	2.6847	2.892	PASS			
	HCH	2.6755	2.854	PASS			
	LCH	2.6876	2.885	PASS			
16QAM	MCH	2.6846	2.880	PASS			
	HCH	2.6759	2.867	PASS			

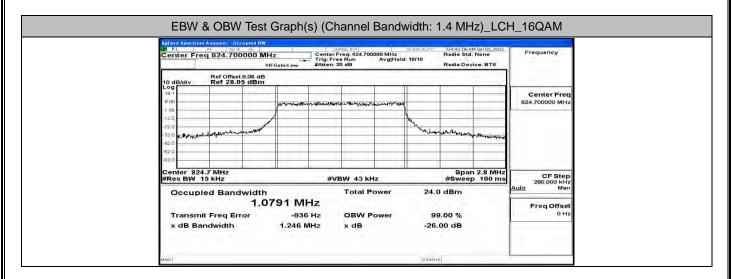
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
		(MHz)	(MHz)			
QPSK	LCH	4.4804	4.817	PASS		
	MCH	4.4667	4.782	PASS		
	HCH	4.4726	4.826	PASS		
16QAM	LCH	4.4658	4.822	PASS		
	MCH	4.4734	4.754	PASS		
	HCH	4.4804	4.792	PASS		

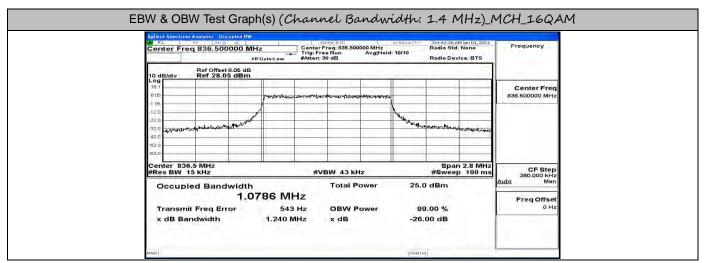
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
		(MHz)	(MHz)			
QPSK	LCH	8.9163	9.442	PASS		
	MCH	8.8940	9.393	PASS		
	HCH	8.9451	9.455	PASS		
16QAM	LCH	8.9155	9.446	PASS		
	MCH	8.9201	9.402	PASS		
	HCH	8.9248	9.450	PASS		

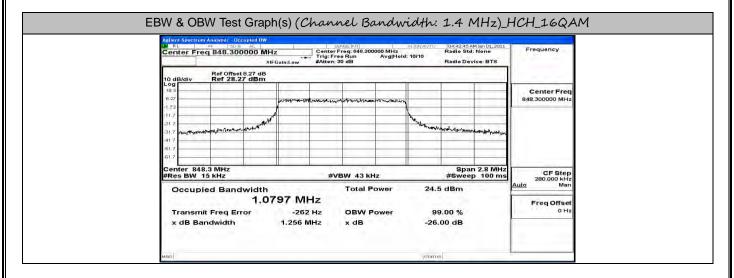


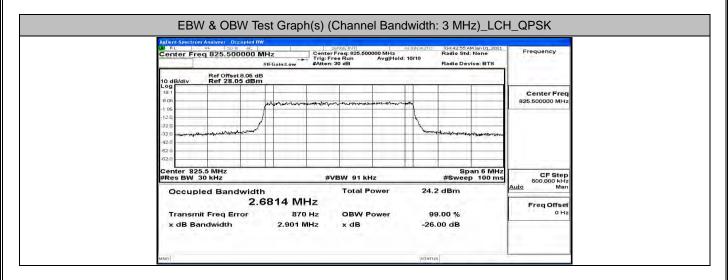


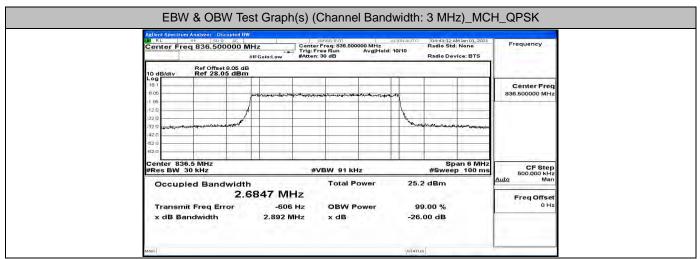


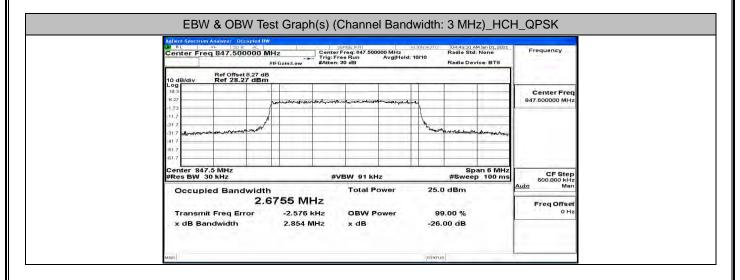


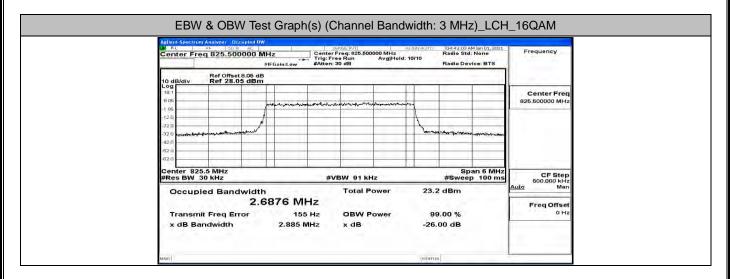


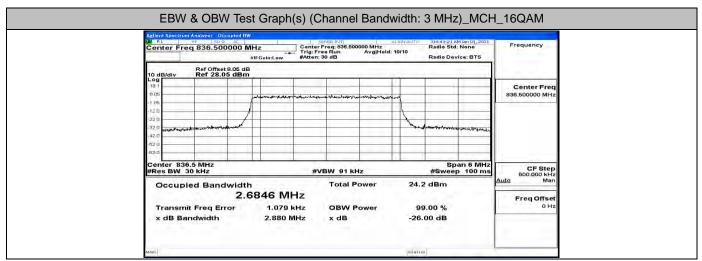


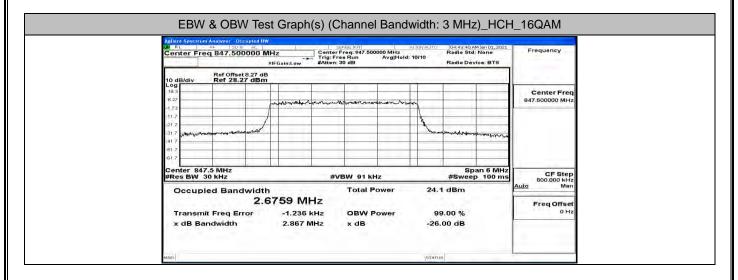


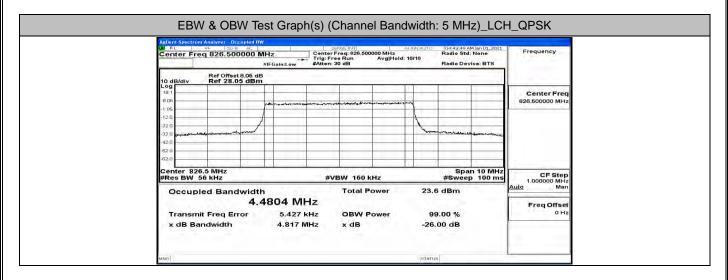


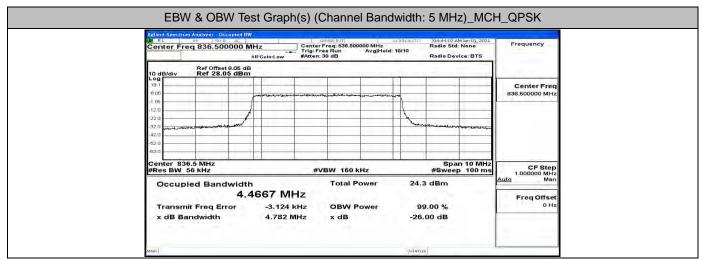


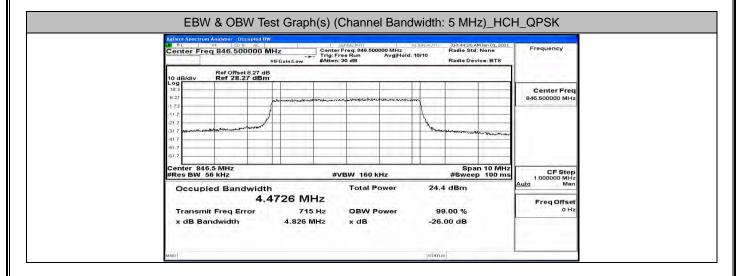


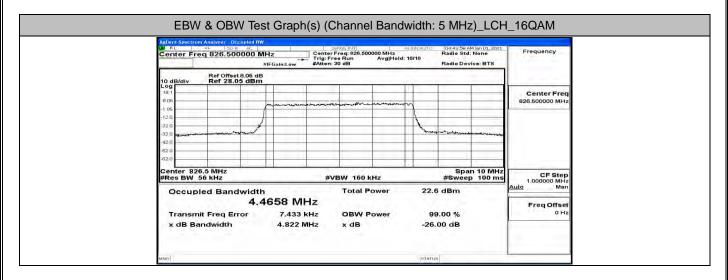


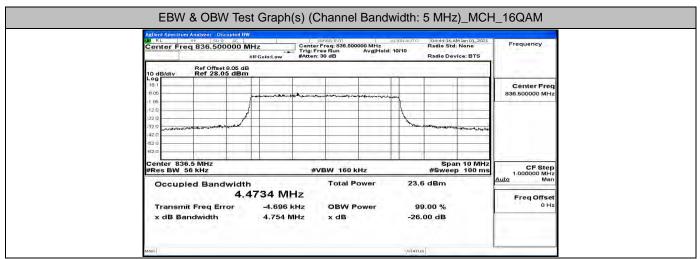


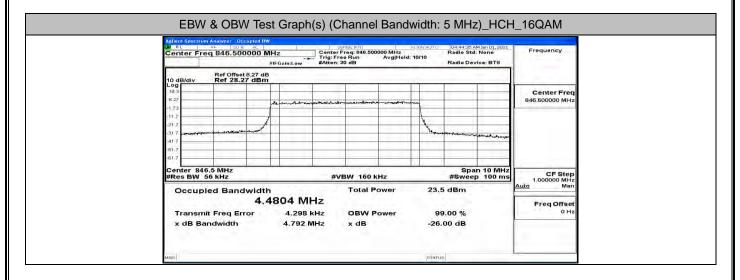


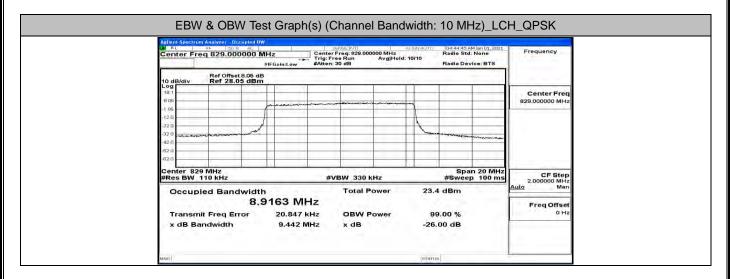


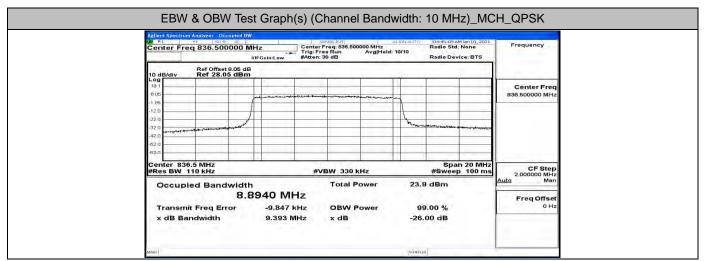


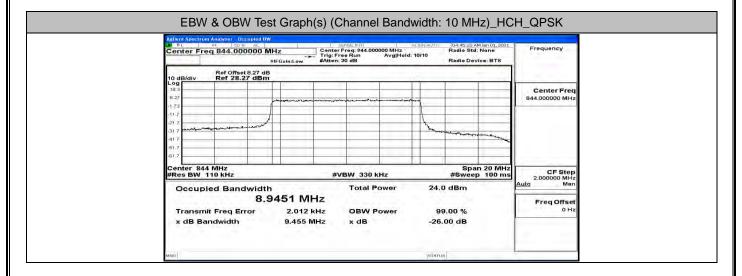


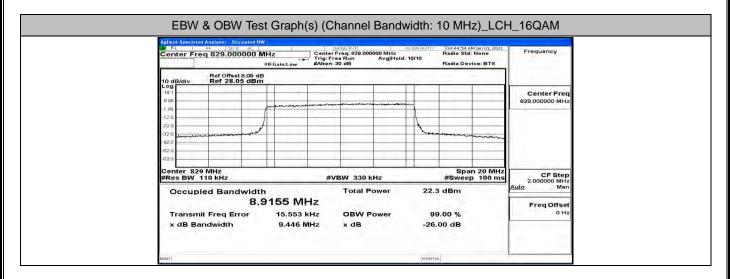


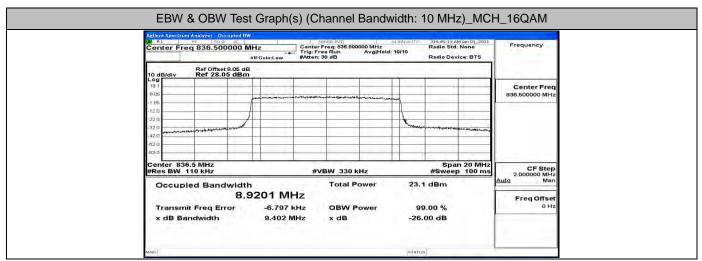


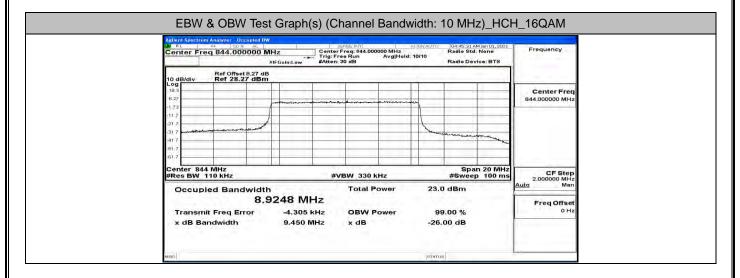




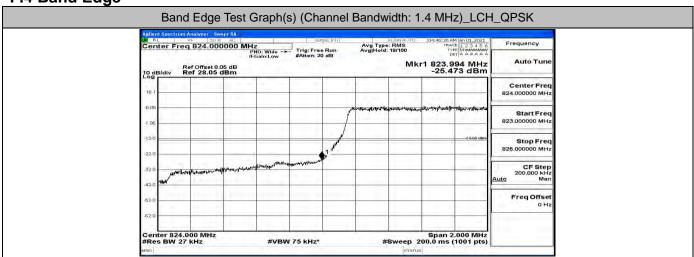


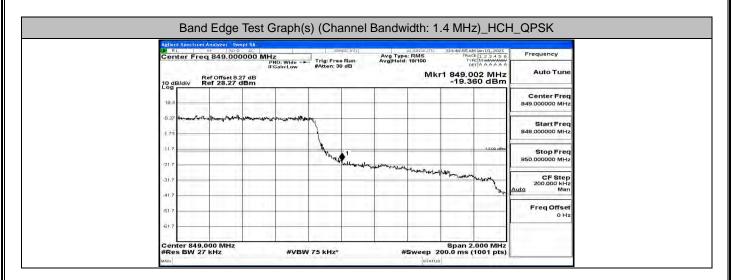


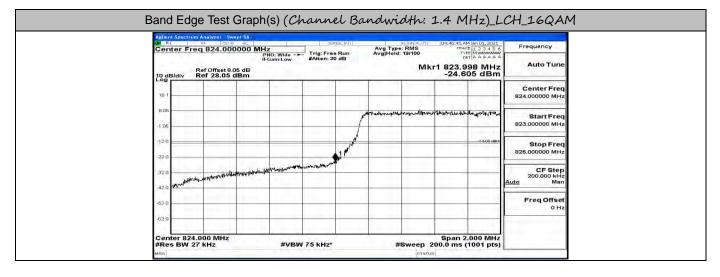


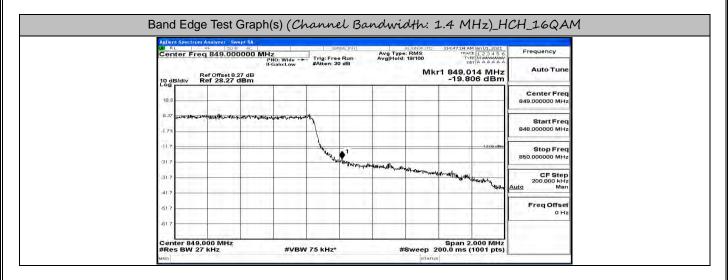


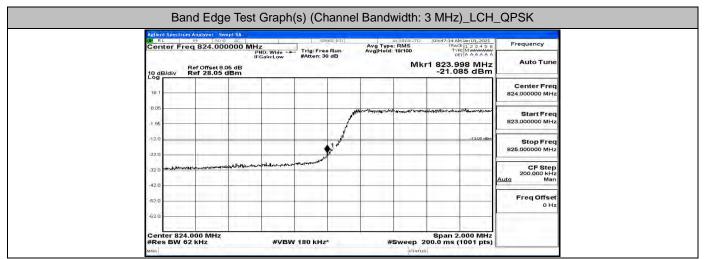
F.4 Band Edge

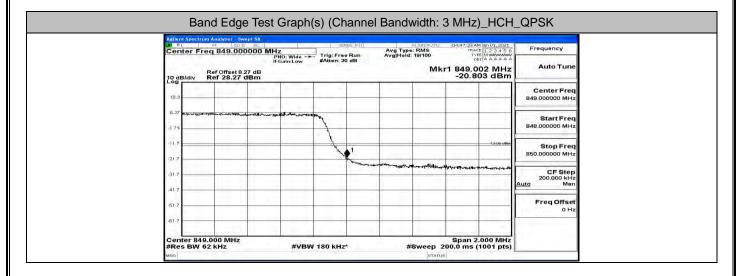


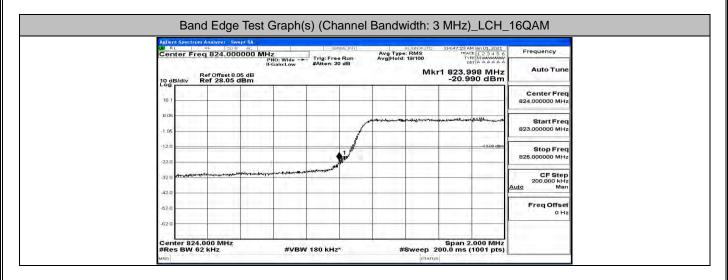


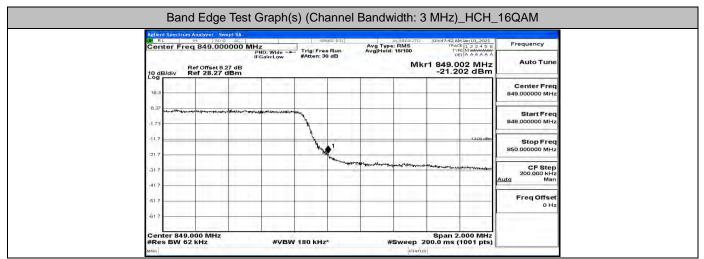


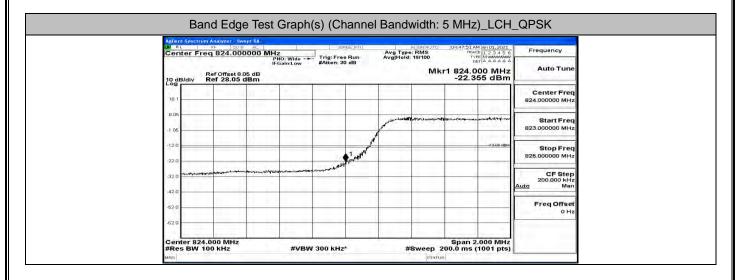


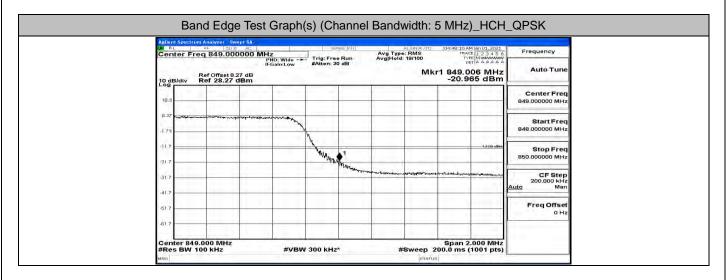


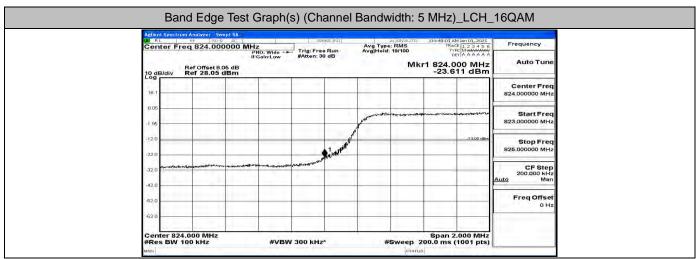


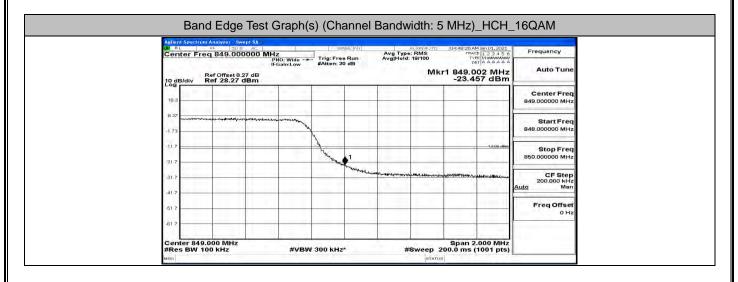


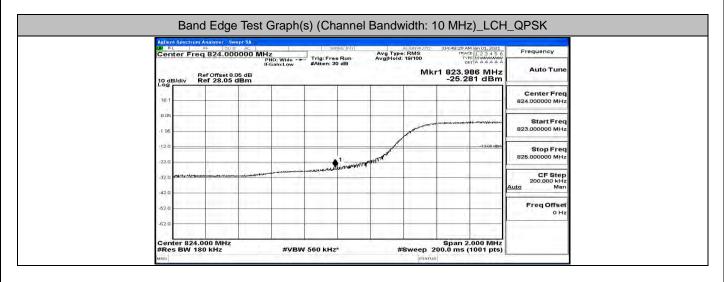


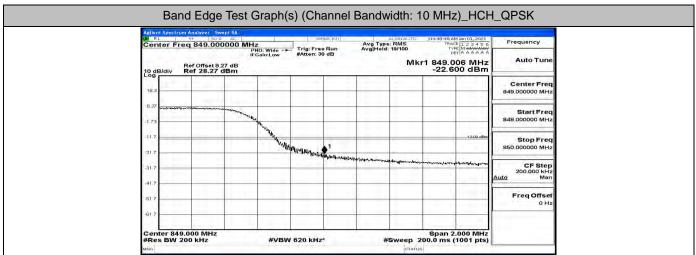


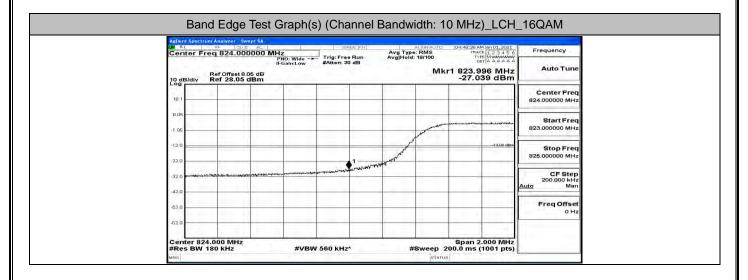


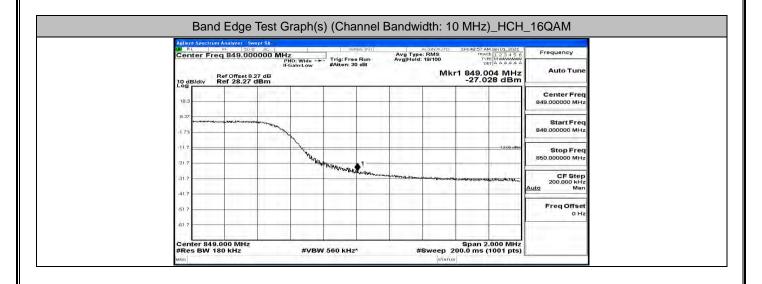








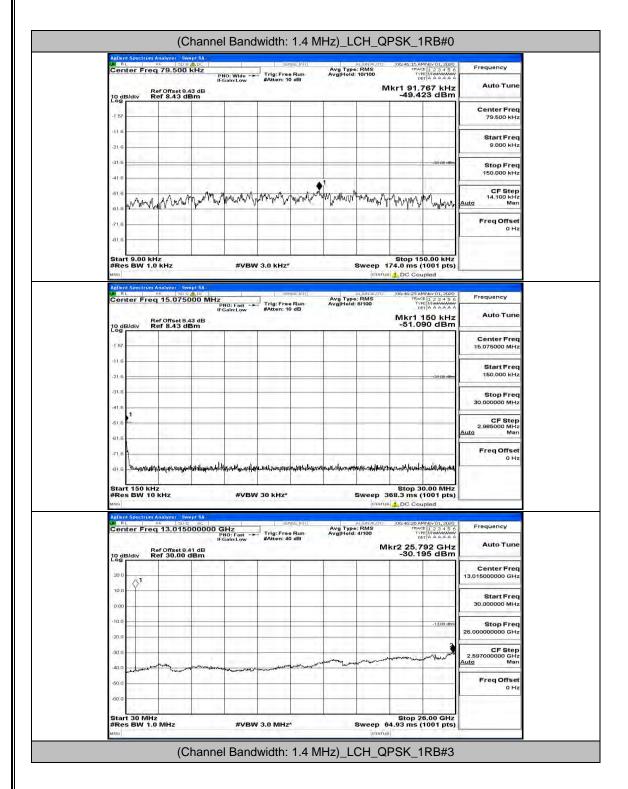


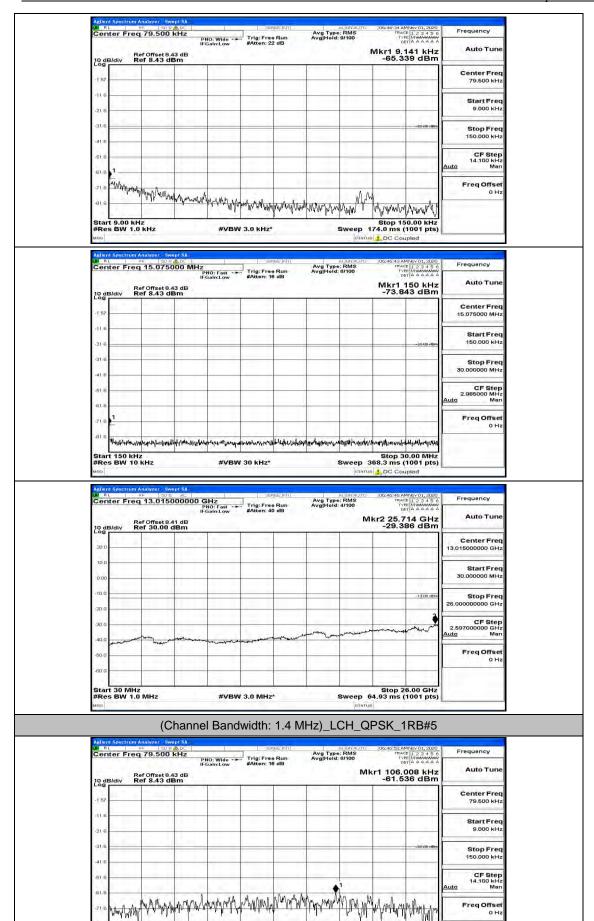


F.5 Conducted Spurious Emission

Test Graphs

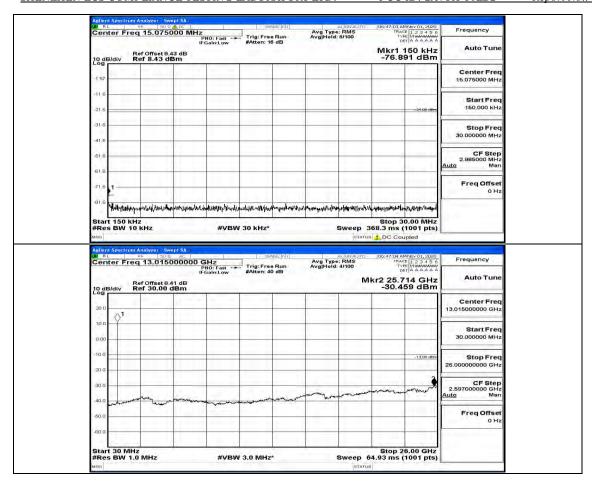
Channel Bandwidth: 1.4 MHz

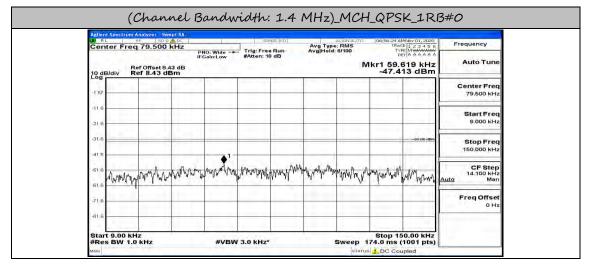




#VBW 3.0 kHz*

Stop 150.00 kHz Sweep 174.0 ms (1001 pts)



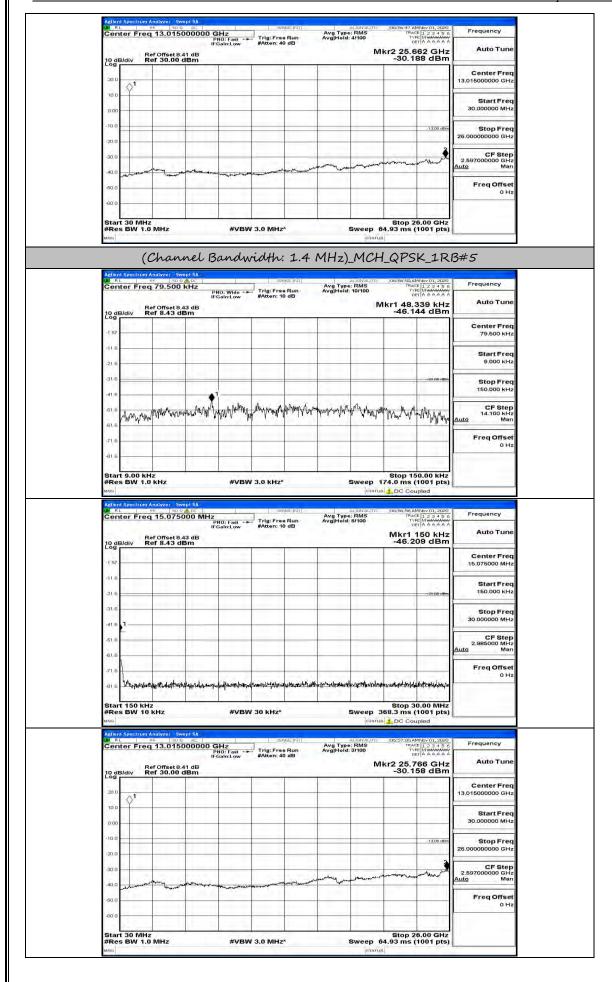


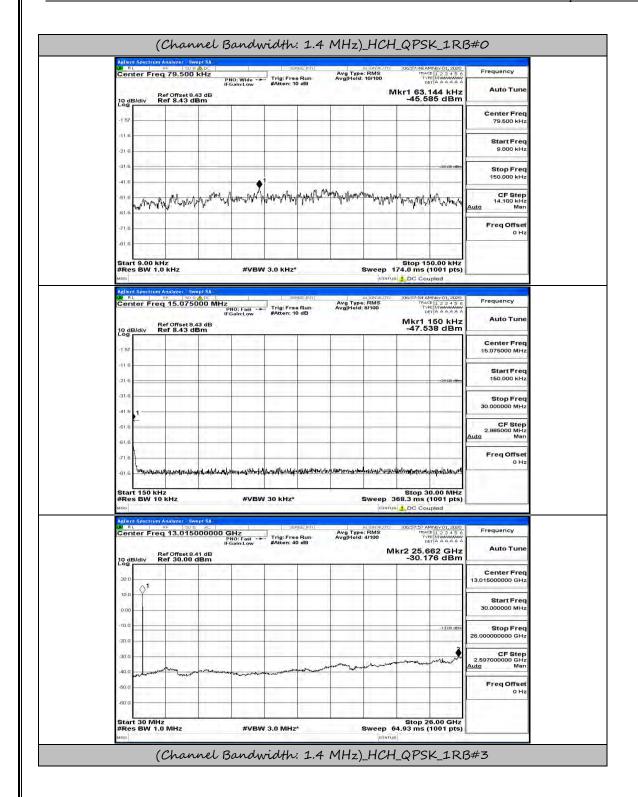
Stop 30.00 MHz Sweep 368.3 ms (1001 pts)

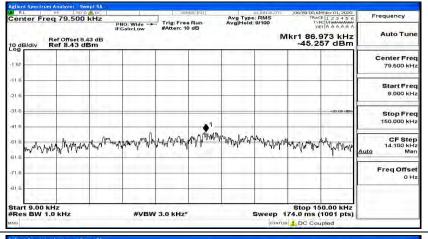
Start 150 kHz #Res BW 10 kHz

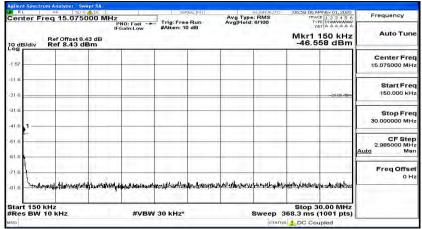
#VBW 30 kHz*

Freq Offse

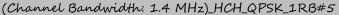


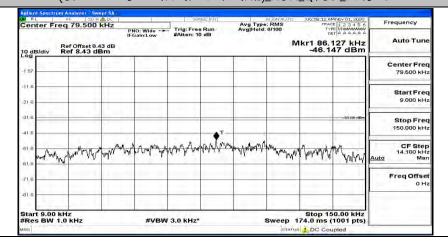


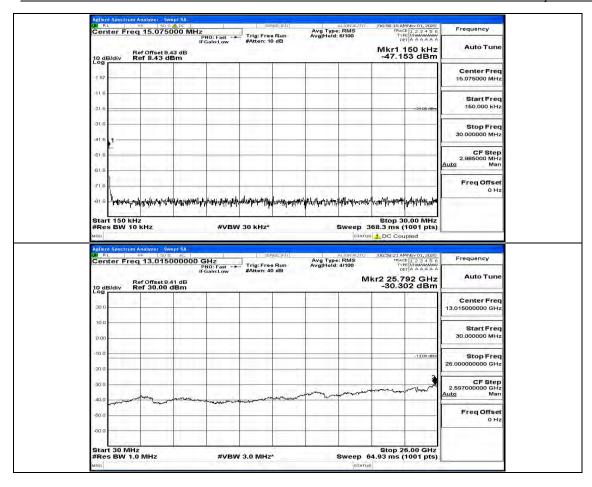


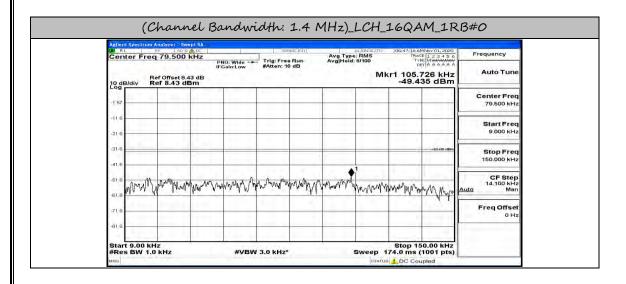








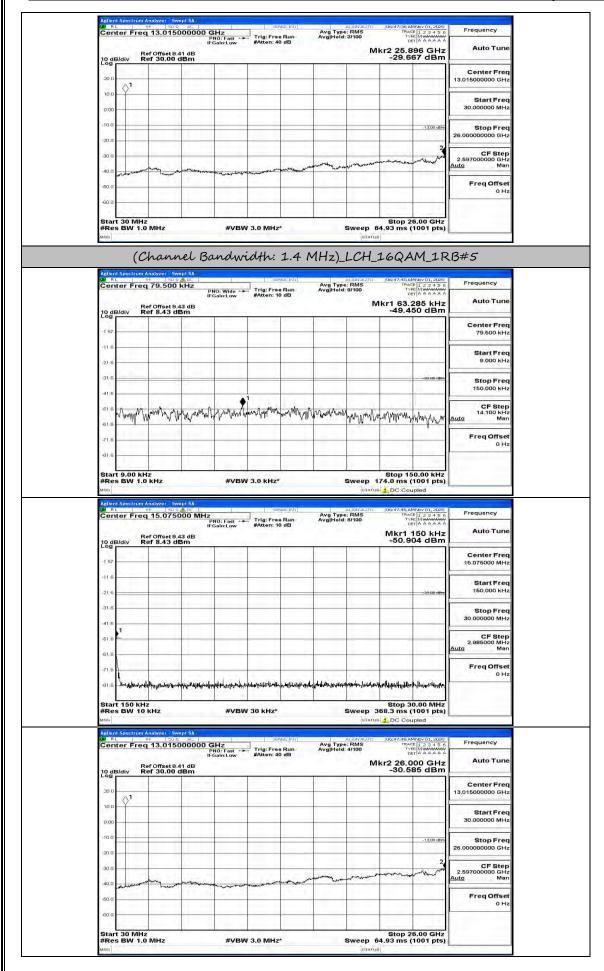


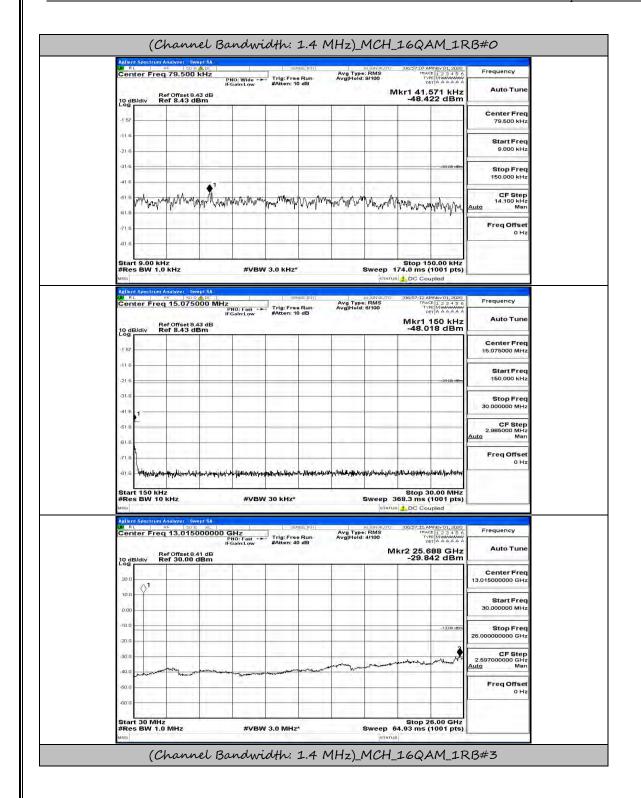


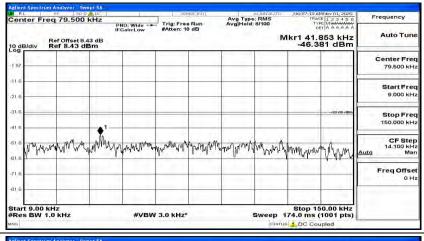
Stop 30.00 MHz Sweep 368.3 ms (1001 pts)

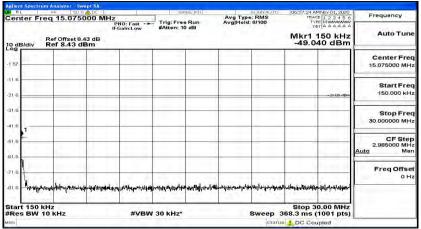
Start 150 kHz #Res BW 10 kHz

#VBW 30 kHz*

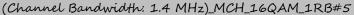


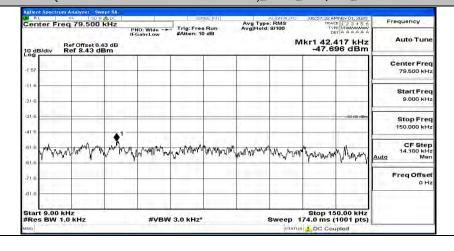


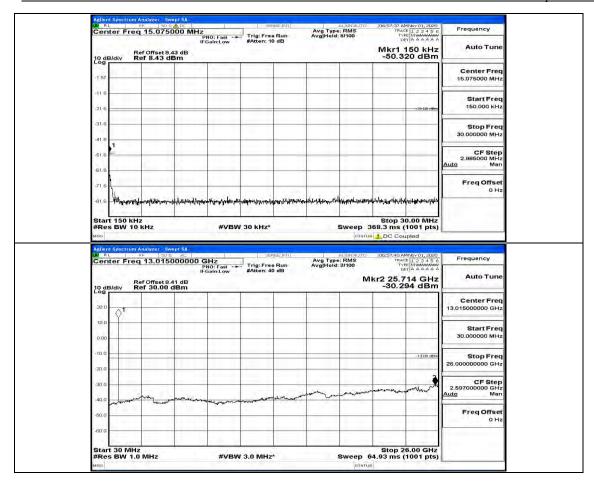


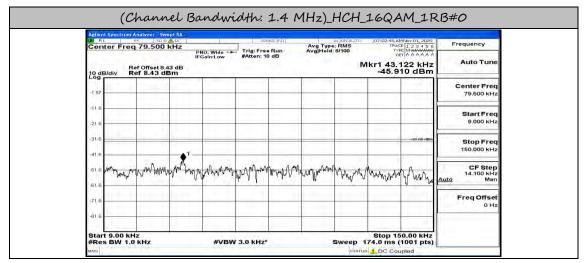








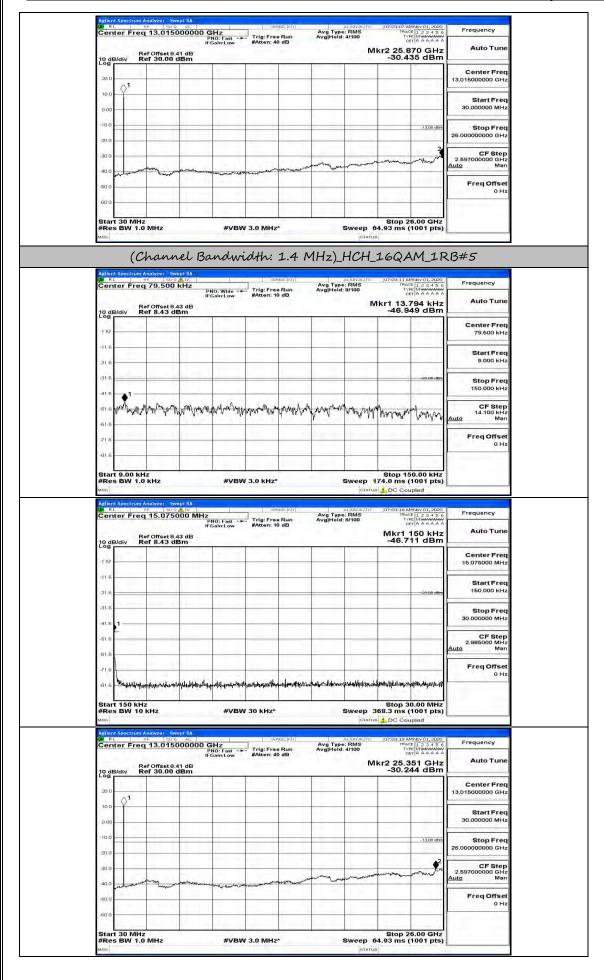




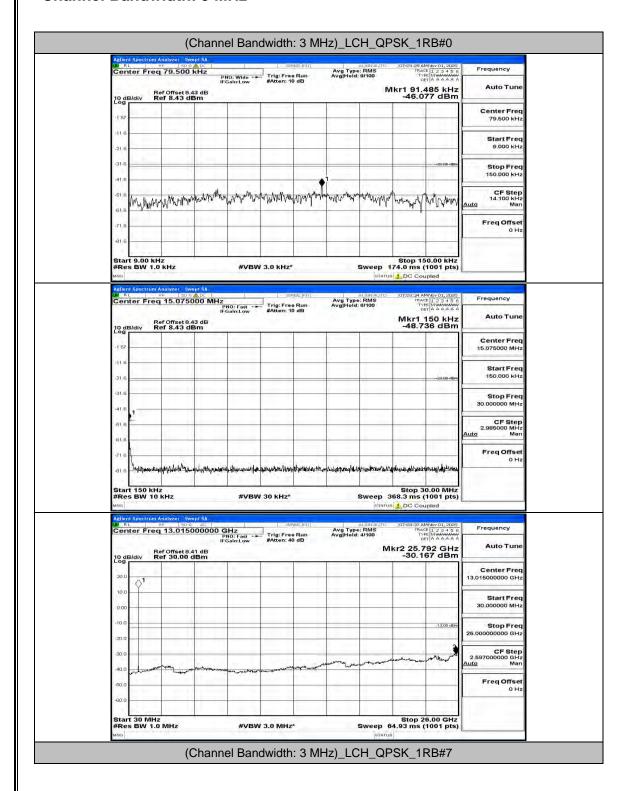
Stop 30.00 MHz Sweep 368.3 ms (1001 pts)

Start 150 kHz #Res BW 10 kHz

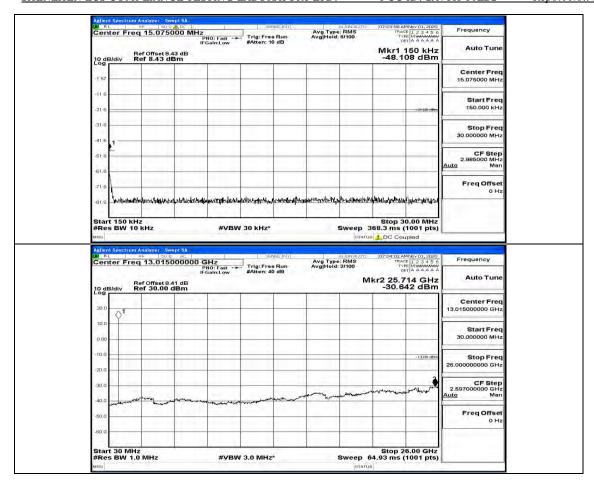
#VBW 30 kHz*

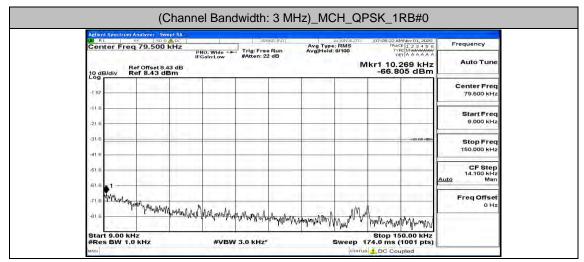


Channel Bandwidth: 3 MHz



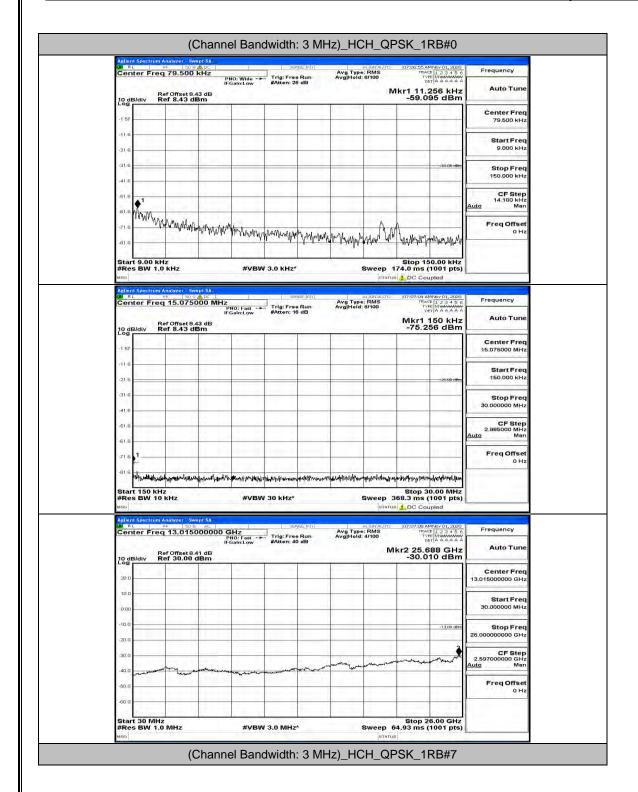
Center Fred 79,500 kHz

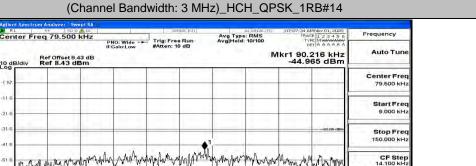




Stop 26.00 GHz Sweep 64.93 ms (1001 pts)

Start 30 MHz #Res BW 1.0 MHz





10 dB/div

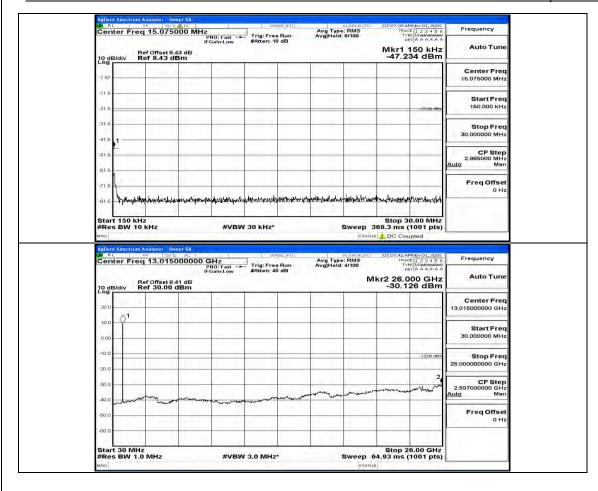
21 ati

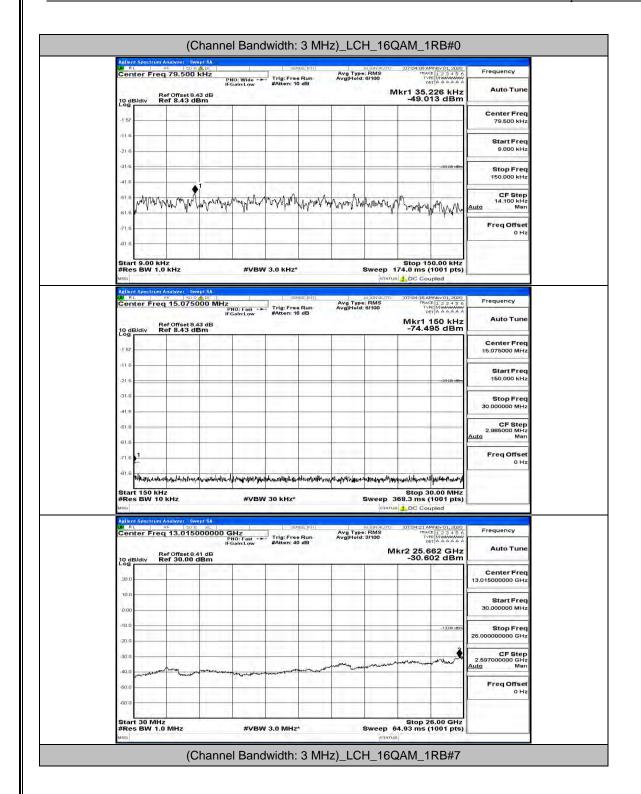
Start 9.00 kHz #Res BW 1.0 kHz

#VBW 3.0 kHz*

Stop 150.00 kHz Sweep 174.0 ms (1001 pts)

Freq Offset 0 Hz



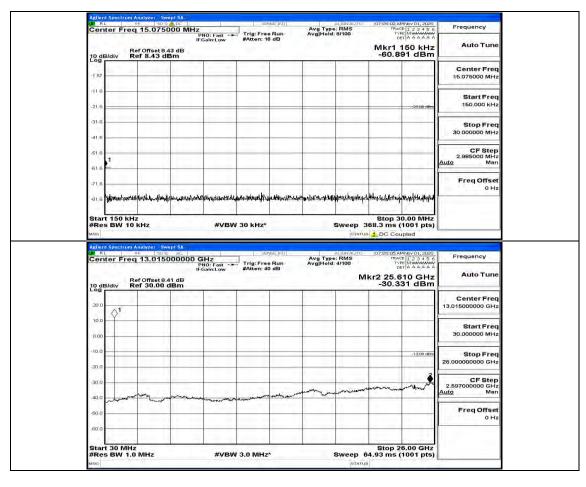


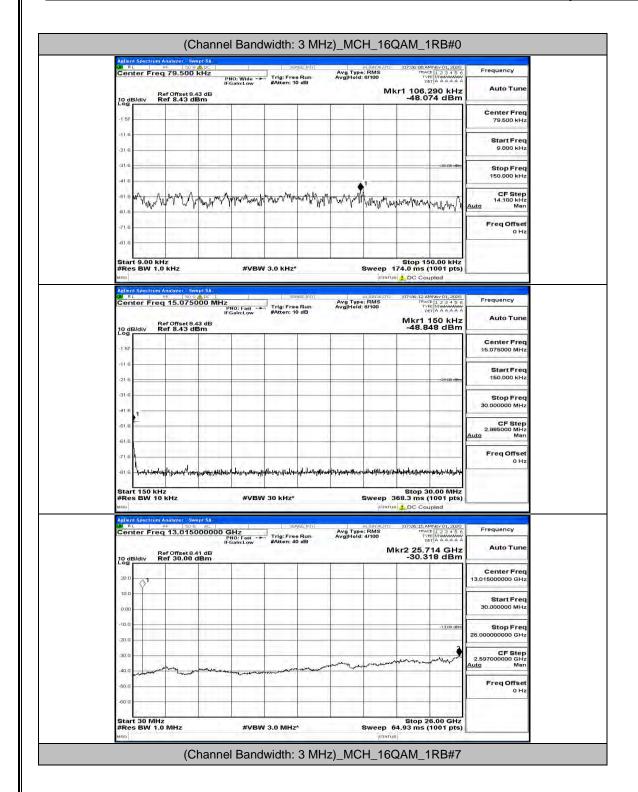
Stop 150.00 kHz Sweep 174.0 ms (1001 pts)

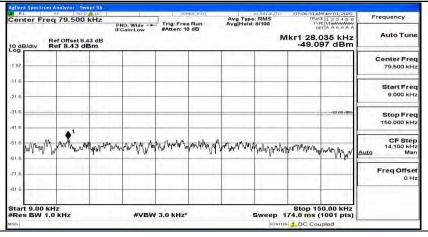
words of which the word of property of months and all the second of the

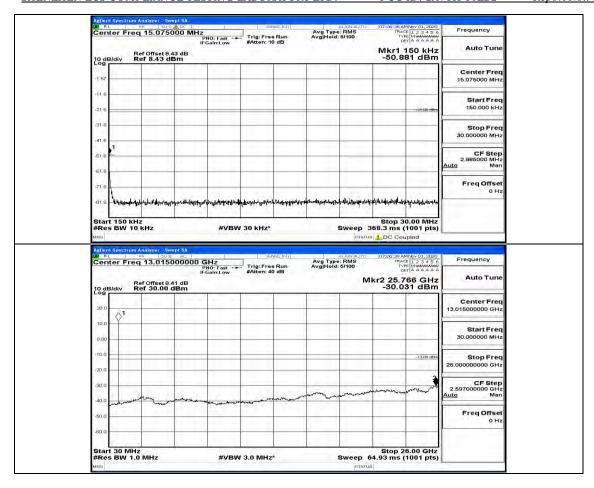
Start 9.00 kHz #Res BW 1.0 kHz CF Step

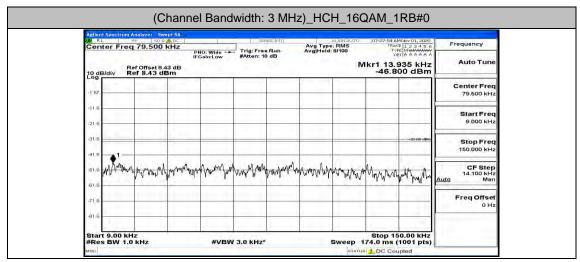
Freq Offset 0 Hz



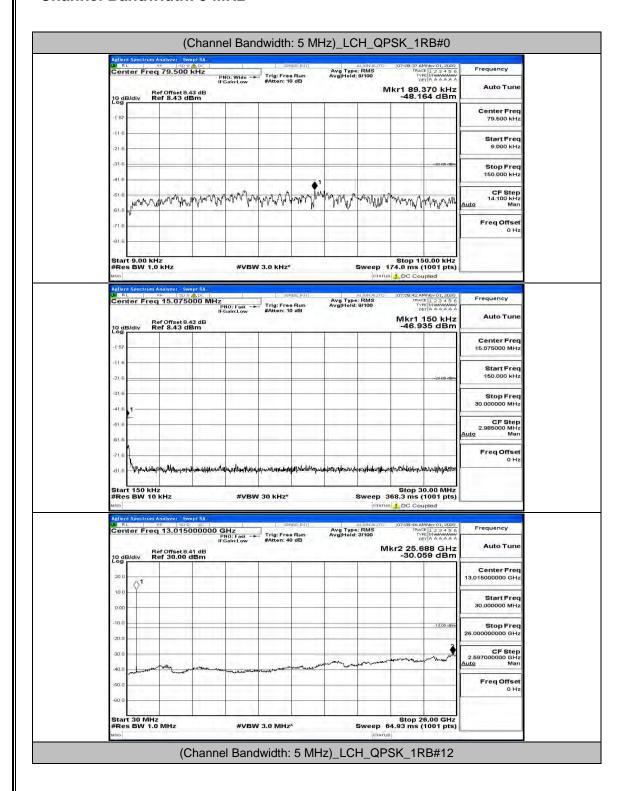








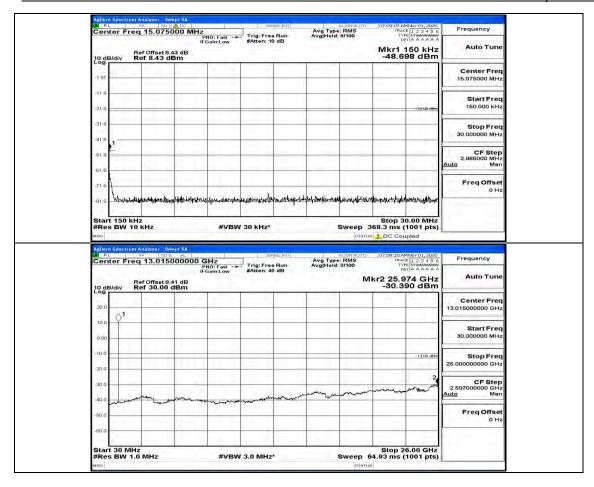
Channel Bandwidth: 5 MHz

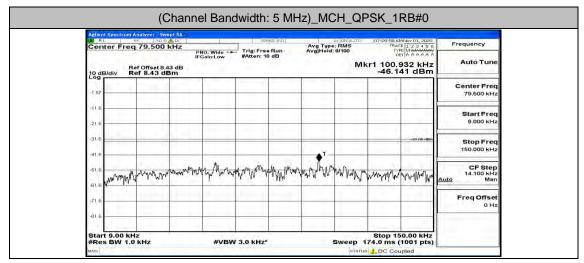


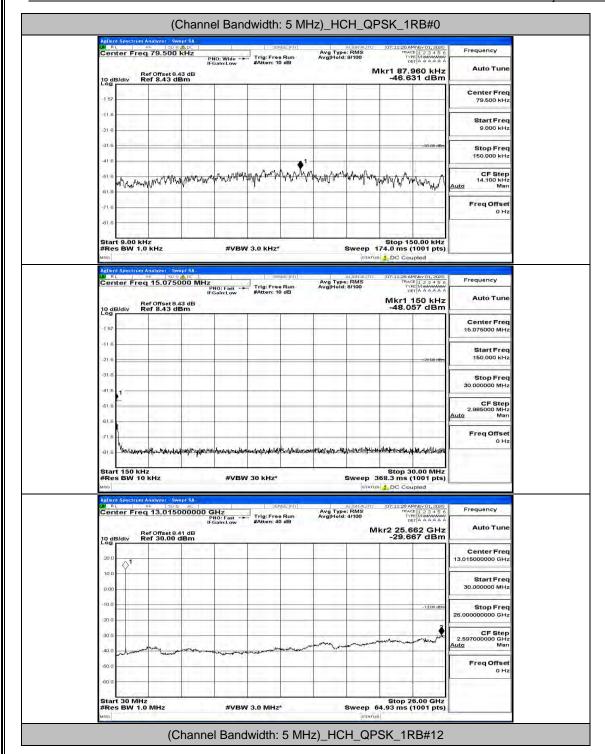
FCC ID: 2AVTH-10LB2

Report No.: LCS201016078AEG

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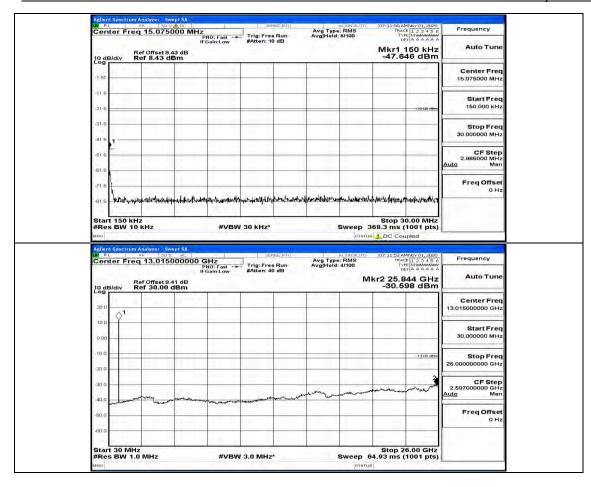


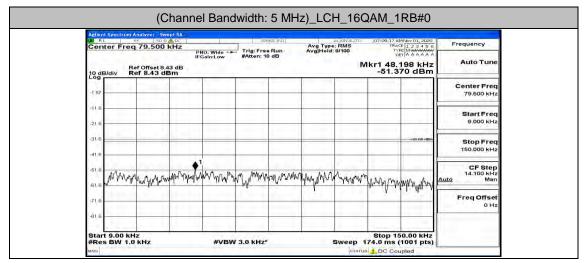


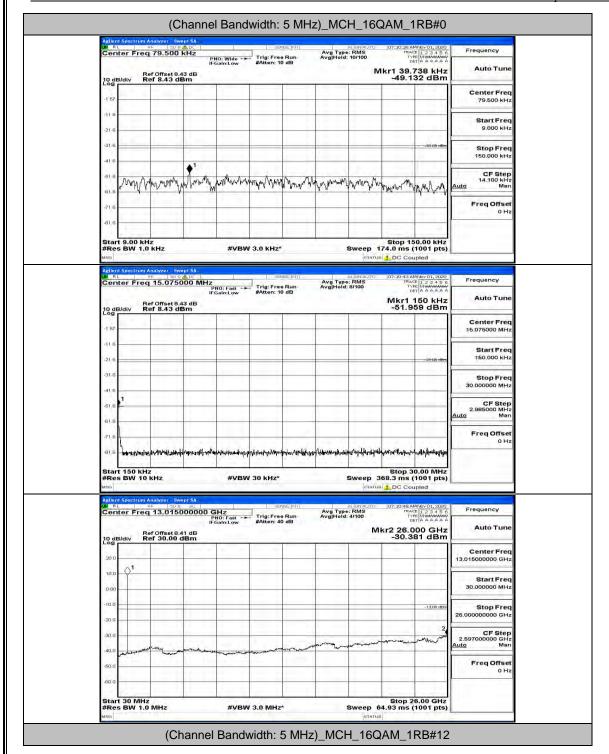
FCC ID: 2AVTH-10LB2

Report No.: LCS201016078AEG

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.







FCC ID: 2AVTH-10LB2

Report No.: LCS201016078AEG

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

