Appendix F: Test Data for E-UTRA Band 2

Product Name: TABLET

Trade Mark: armourphone

Test Model: TB8

Environmental Conditions

Temperature:	22.9° C
Relative Humidity:	53.3%
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)							
Madulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vandiat		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	22.04	20.94	PASS		
		1	3	22.11	20.96	PASS		
		1	5	21.97	20.71	PASS		
	LCH	3	0	22.15	20.87	PASS		
		3	2	22.31	20.83	PASS		
		3	3	22.10	20.87	PASS		
		6	0	21.09	20.15	PASS		
		1	0	22.58	21.53	PASS		
		1	3	22.68	21.63	PASS		
QPSK /		1	5	22.52	21.52	PASS		
16QAM	MCH	3	0	22.66	21.72	PASS		
TOQAIVI		3	2	22.62	21.77	PASS		
		3	3	22.57	21.72	PASS		
		6	0	21.53	20.34	PASS		
		1	0	22.62	22.01	PASS		
		1	3	22.56	22.03	PASS		
		1	5	22.46	21.88	PASS		
	HCH	3	0	22.51	21.59	PASS		
		3	2	22.48	21.61	PASS		
		3	3	22.40	21.54	PASS		
		6	0	21.64	20.39	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
iviodulation	Channel	Size	Offset	QPSK	16QAM	verdict		
		1	0	22.23	21.52	PASS		
		1	7	22.21	21.44	PASS		
		1	14	22.20	21.31	PASS		
	LCH	8	0	21.36	20.27	PASS		
		8	4	21.26	20.27	PASS		
		8	7	21.25	20.26	PASS		
		15	0	21.27	20.20	PASS		
		1	0	22.41	21.61	PASS		
	МСН	1	7	22.49	21.93	PASS		
QPSK /		1	14	22.71	21.97	PASS		
16QAM		8	0	21.50	20.45	PASS		
TOQAM		8	4	21.55	20.41	PASS		
		8	7	21.52	20.37	PASS		
		15	0	21.47	20.32	PASS		
		1	0	22.59	21.21	PASS		
		1	7	22.62	21.69	PASS		
		1	14	22.24	21.39	PASS		
	HCH	8	0	21.79	20.63	PASS		
		8	4	21.77	20.55	PASS		
		8	7	21.72	20.56	PASS		
		15	0	21.65	20.62	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
iviodulation	Channel	Size	Offset	QPSK	16QAM	verdict		
		1	0	22.17	21.00	PASS		
		1	12	22.31	21.04	PASS		
		1	24	22.04	20.81	PASS		
	LCH	12	0	21.23	20.28	PASS		
		12	6	21.18	20.29	PASS		
		12	13	21.16	20.15	PASS		
		25	0	21.18	20.36	PASS		
		1	0	22.62	21.30	PASS		
	мсн	1	12	23.09	21.62	PASS		
QPSK /		1	24	22.80	21.42	PASS		
16QAM		12	0	21.54	20.40	PASS		
TOQAM		12	6	21.63	20.68	PASS		
		12	13	21.55	20.66	PASS		
		25	0	21.51	20.64	PASS		
		1	0	22.44	21.42	PASS		
		1	12	22.53	21.38	PASS		
		1	24	21.98	20.95	PASS		
	HCH	12	0	21.72	20.51	PASS		
		12	6	21.72	20.51	PASS		
		12	13	21.69	20.41	PASS		
		25	0	21.68	20.88	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict			
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict			
		1	0	21.78	21.21	PASS			
		1	24	22.74	22.19	PASS			
		1	49	22.36	21.52	PASS			
	LCH	25	0	21.18	20.10	PASS			
		25	12	21.22	20.20	PASS			
		25	25	21.09	20.05	PASS			
		50	0	21.13	20.06	PASS			
		1	0	22.44	21.22	PASS			
	MCH	1	24	23.37	21.47	PASS			
QPSK /		1	49	22.54	21.21	PASS			
16QAM		25	0	21.56	20.55	PASS			
TOQAIVI		25	12	21.60	20.80	PASS			
		25	25	21.56	20.69	PASS			
		50	0	21.56	20.52	PASS			
		1	0	22.41	22.27	PASS			
		1	24	22.50	22.18	PASS			
		1	49	21.69	21.03	PASS			
	HCH	25	0	21.56	20.51	PASS			
		25	12	21.55	20.53	PASS			
		25	25	21.63	20.54	PASS			
		50	0	21.57	20.54	PASS			

	Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)								
Modulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiat			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	21.44	20.74	PASS			
		1	37	22.76	22.37	PASS			
		1	74	22.09	21.97	PASS			
	LCH	37	0	21.11	20.15	PASS			
		37	18	21.12	20.07	PASS			
		37	38	21.02	20.02	PASS			
		75	0	21.05	20.01	PASS			
	MCH	1	0	22.19	21.54	PASS			
		1	37	23.24	22.73	PASS			
QPSK /		1	74	22.36	21.82	PASS			
16QAM		37	0	21.62	20.71	PASS			
TOQAM		37	18	21.66	20.74	PASS			
		37	38	21.56	20.62	PASS			
		75	0	21.50	20.50	PASS			
		1	0	22.40	21.18	PASS			
		1	37	22.57	21.52	PASS			
		1	74	21.43	20.76	PASS			
	HCH	37	0	21.36	20.37	PASS			
		37	18	21.44	20.48	PASS			
		37	38	21.50	20.50	PASS			
		75	0	21.44	20.42	PASS			

	Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict			
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict			
		1	0	21.34	20.46	PASS			
		1	49	22.96	21.08	PASS			
		1	99	22.10	20.56	PASS			
	LCH	50	0	21.06	19.99	PASS			
		50	25	21.08	20.14	PASS			
		50	50	21.04	20.15	PASS			
		100	0	21.18	20.10	PASS			
	MCH	1	0	22.33	21.19	PASS			
		1	49	22.80	21.45	PASS			
QPSK /		1	99	22.53	20.97	PASS			
16QAM		50	0	21.57	20.54	PASS			
TOQAM		50	25	21.56	20.63	PASS			
		50	50	21.43	20.52	PASS			
		100	0	21.50	20.45	PASS			
		1	0	22.27	20.72	PASS			
		1	49	22.82	21.37	PASS			
		1	99	21.37	20.78	PASS			
	HCH	50	0	21.39	20.45	PASS			
		50	25	21.40	20.57	PASS			
		50	50	21.46	20.39	PASS			
		100	0	21.47	20.43	PASS			

F.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	5.04	<13	PASS			
QPSK	MCH	5.05	<13	PASS			
	HCH	4.93	<13	PASS			
	LCH	5.98	<13	PASS			
16QAM	MCH	5.92	<13	PASS			
	HCH	5.8	<13	PASS			

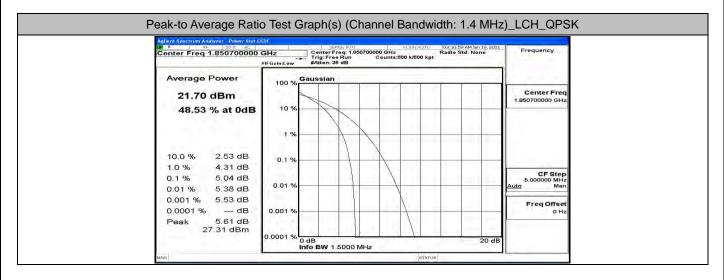
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict		
Modulation	Channel	[dB]	[dB]	Verdict		
	LCH	5.15	<13	PASS		
QPSK	MCH	5.14	<13	PASS		
	HCH	5.02	<13	PASS		
16QAM	LCH	6.06	<13	PASS		
	MCH	5.93	<13	PASS		
	HCH	5.84	<13	PASS		

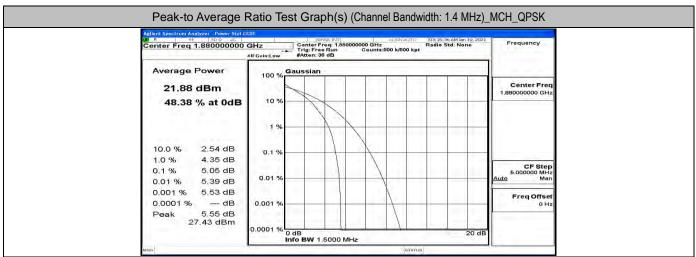
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict		
Modulation	Griannei	[dB]	[dB]	Verdict		
	LCH	5.12	<13	PASS		
QPSK	MCH	5.07	<13	PASS		
	HCH	5.02	<13	PASS		
	LCH	5.89	<13	PASS		
16QAM	MCH	5.9	<13	PASS		
	HCH	5.83	<13	PASS		

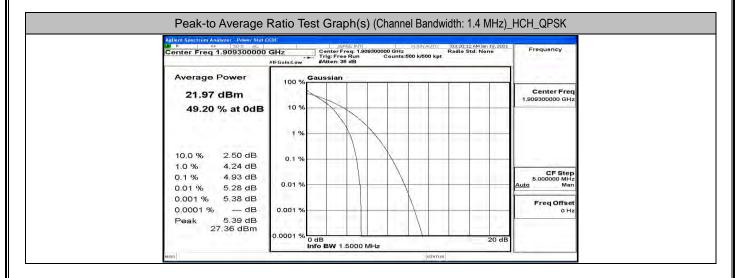
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
iviodulation	Griannei	[dB]	[dB]	verdict		
	LCH	5.17	<13	PASS		
QPSK	MCH	5.16	<13	PASS		
	HCH	5.11	<13	PASS		
	LCH	5.93	<13	PASS		
16QAM	MCH	5.93	<13	PASS		
	HCH	5.92	<13	PASS		

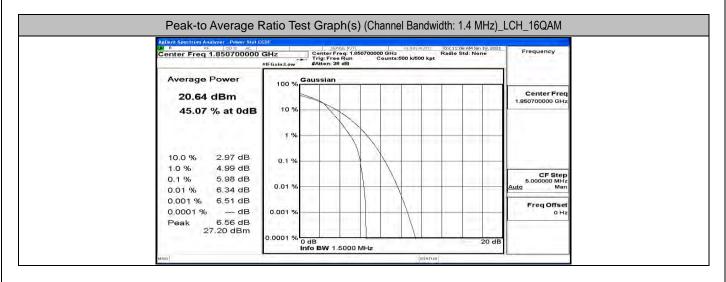
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	4.98	<13	PASS		
QPSK	MCH	4.9	<13	PASS		
	HCH	4.86	<13	PASS		
	LCH	6.2	<13	PASS		
16QAM	MCH	6.19	<13	PASS		
	HCH	6.11	<13	PASS		

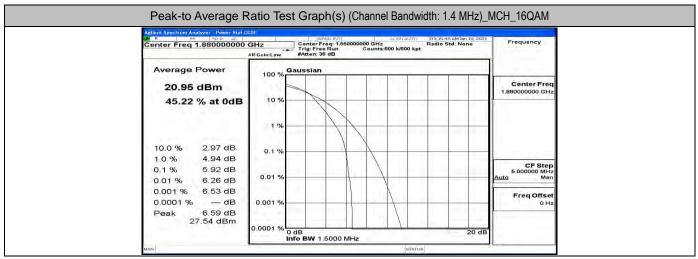
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)					
Mandada Gara	Channel	Peak-to-Average Ratio	Limit	Verdict	
Modulation		[dB]	[dB]	verdict	
QPSK	LCH	5.69	<13	PASS	
	MCH	5.71	<13	PASS	
	HCH	5.65	<13	PASS	
16QAM	LCH	6.76	<13	PASS	
	MCH	6.64	<13	PASS	
	HCH	6.64	<13	PASS	

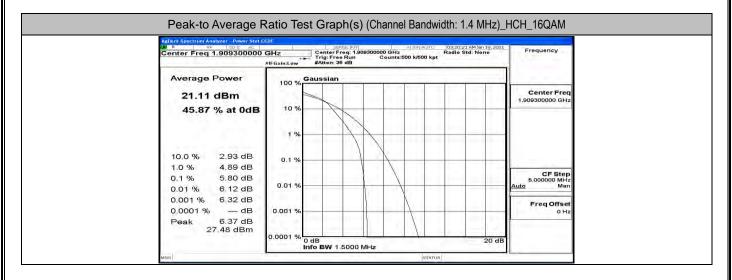


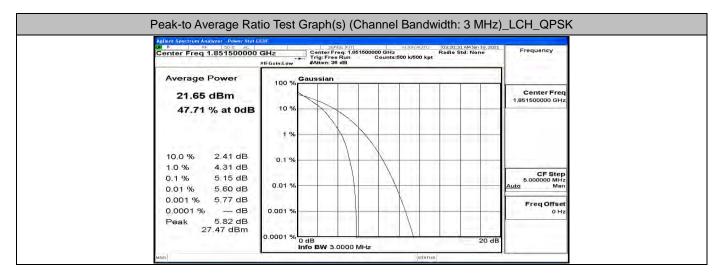


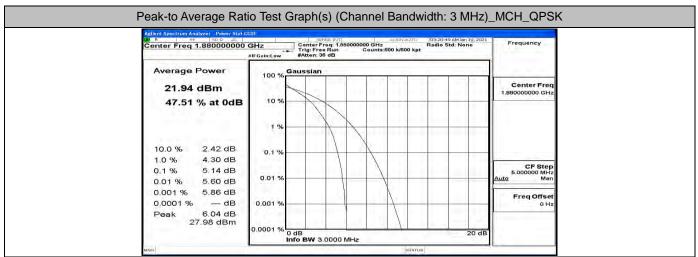


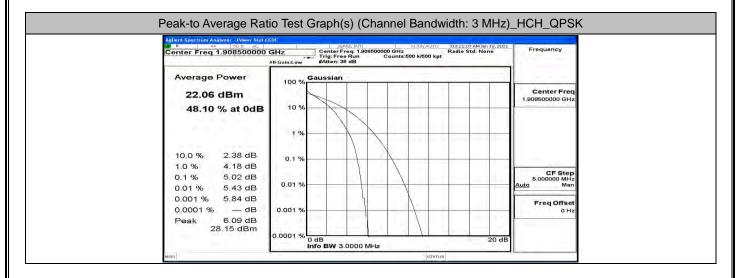


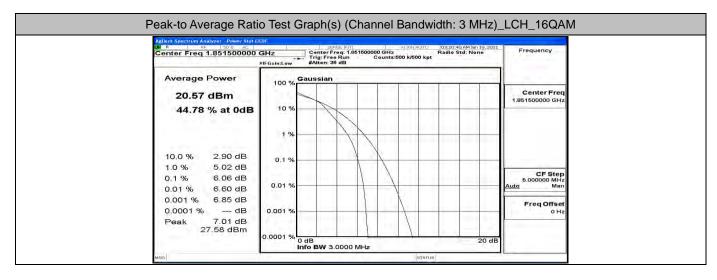


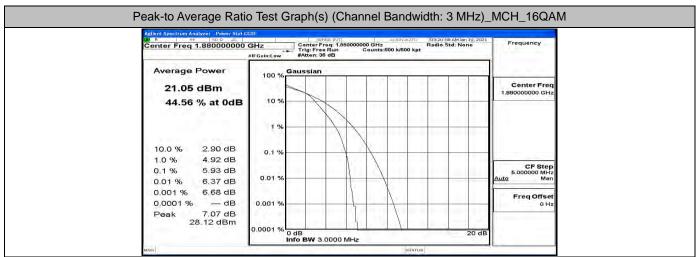


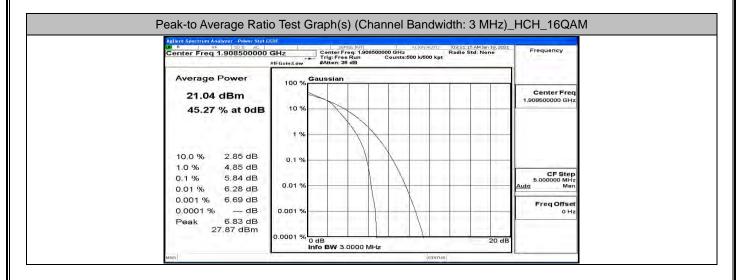


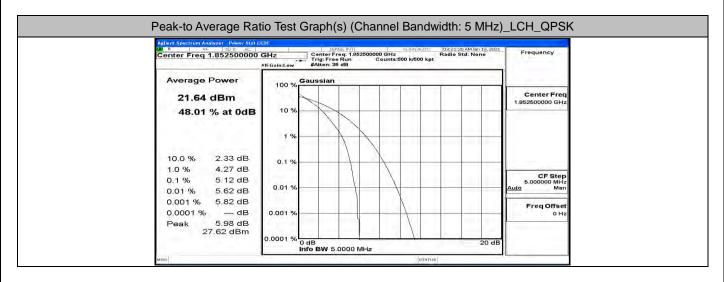


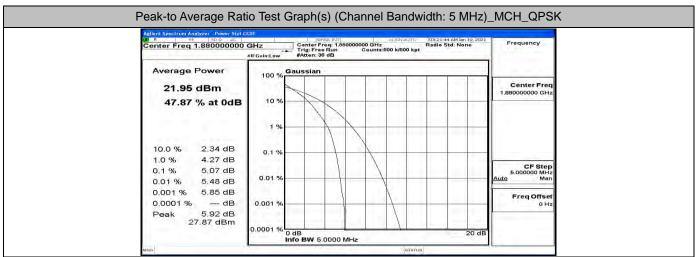


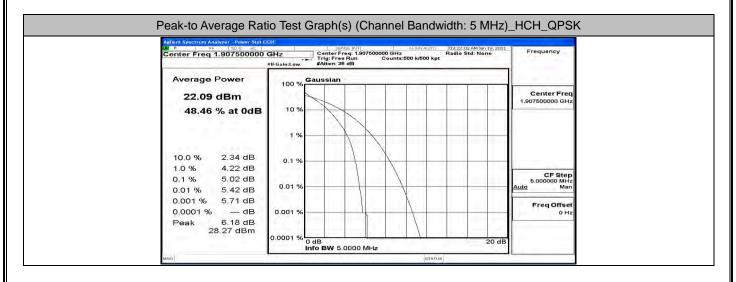


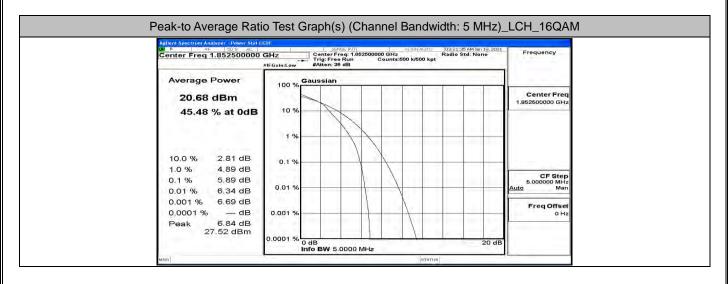


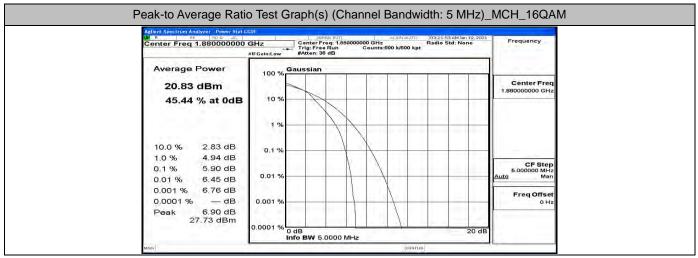


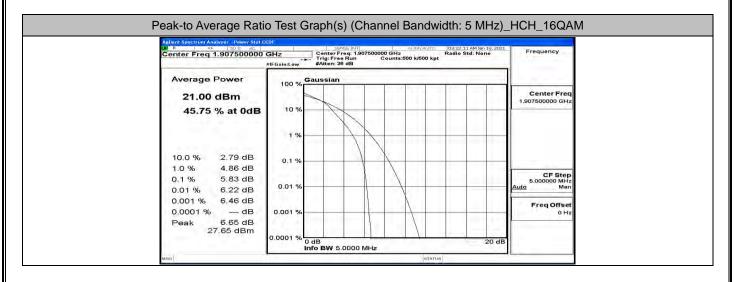


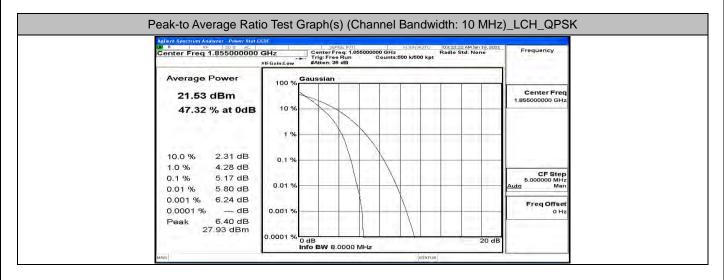


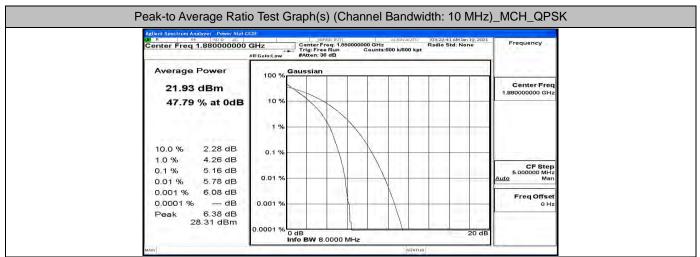


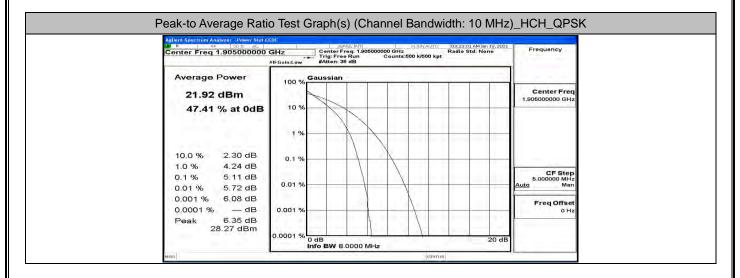


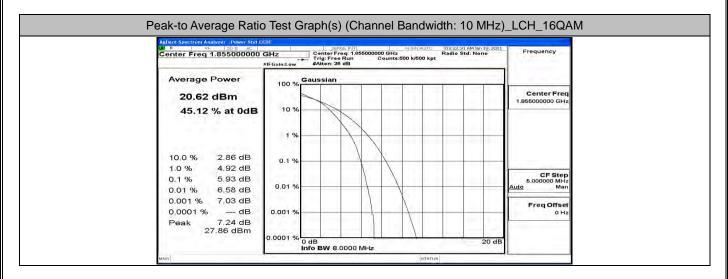


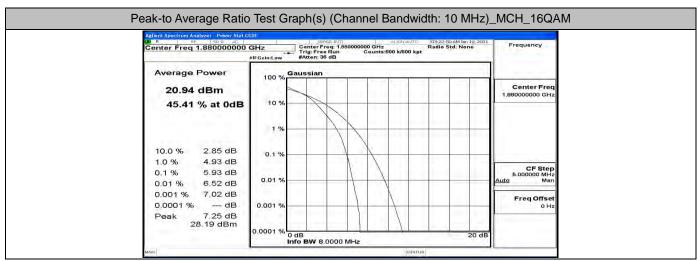


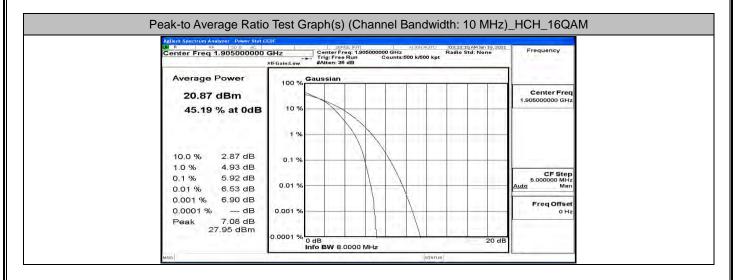


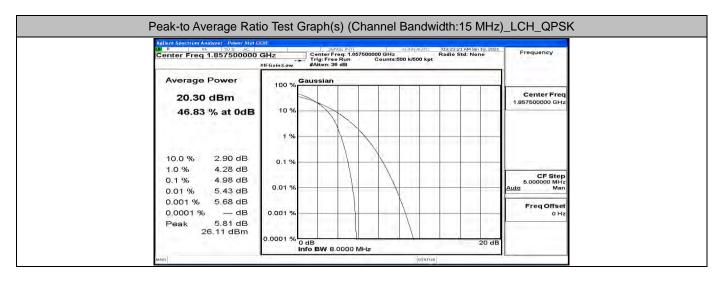


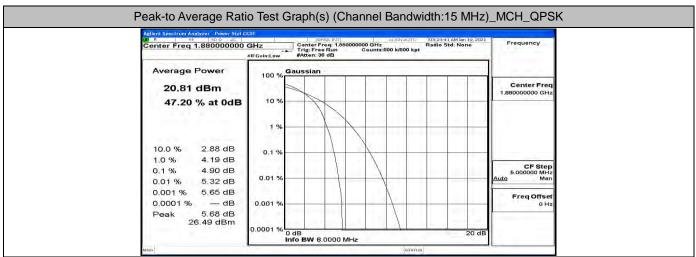


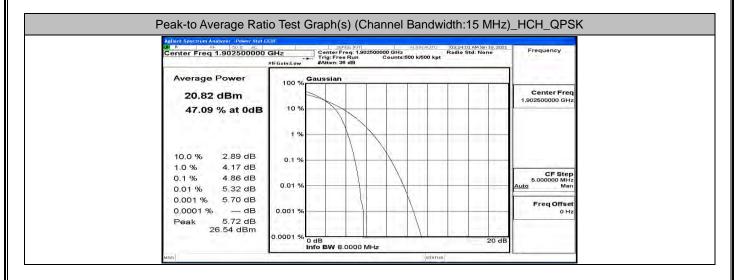


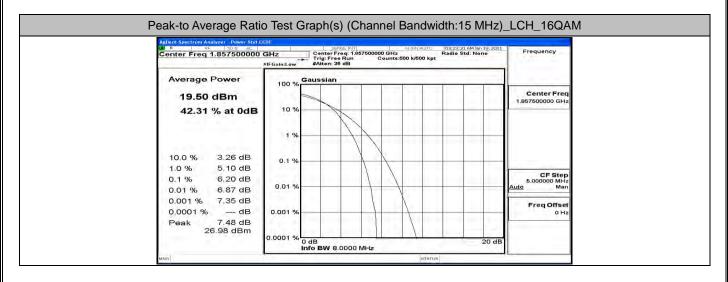


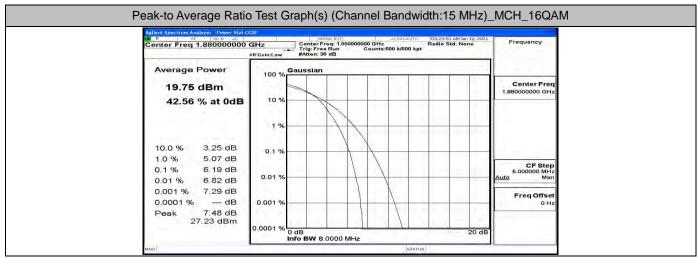


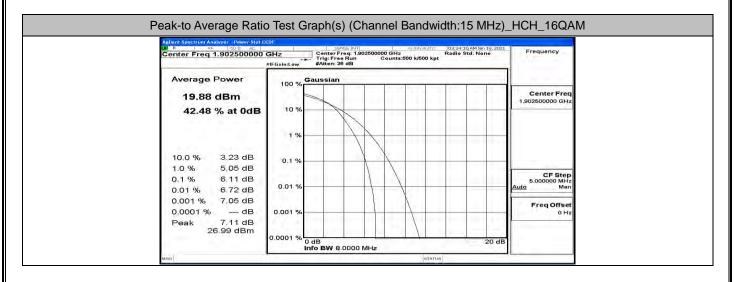


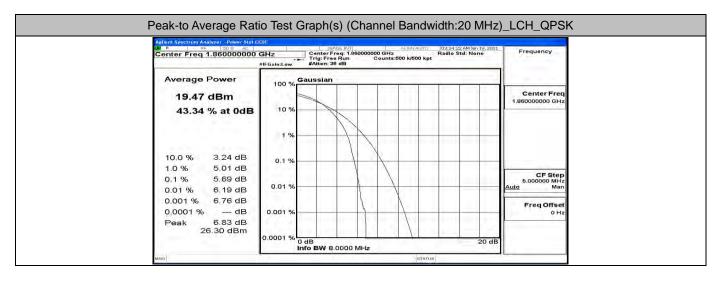


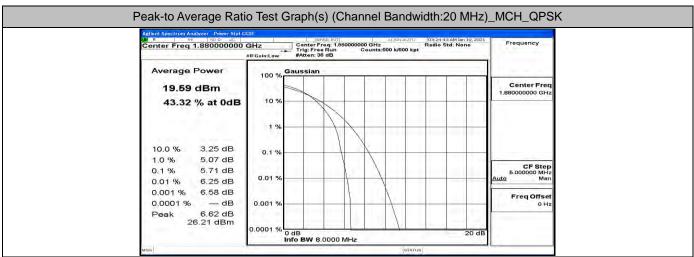


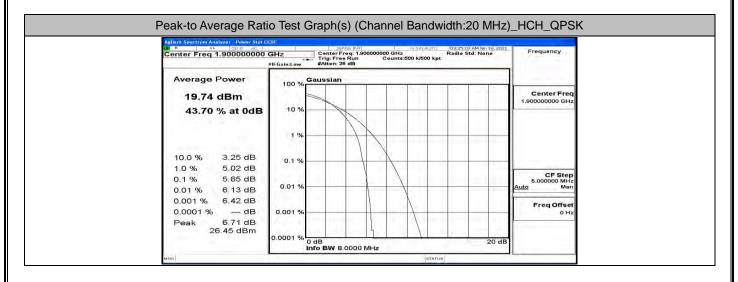


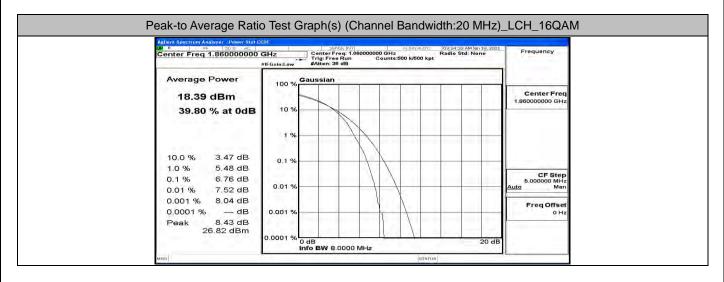


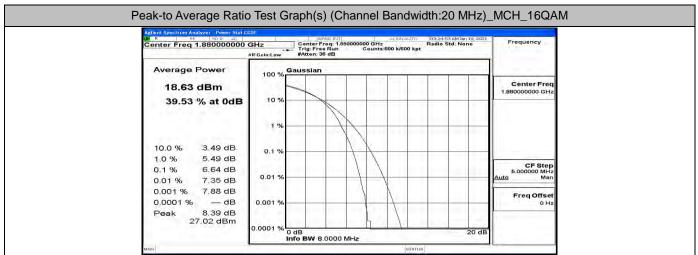


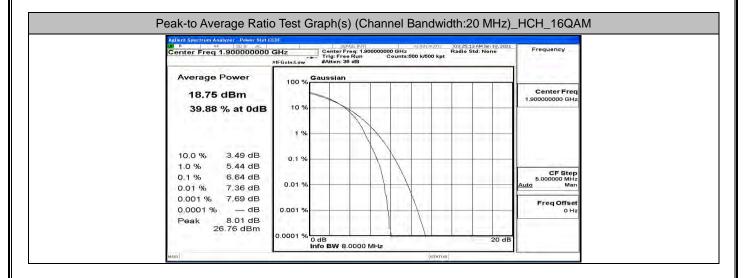












F.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	1.0790	1.247	PASS
	MCH	1.0781	1.255	PASS
	HCH	1.0777	1.237	PASS
16QAM	LCH	1.0794	1.247	PASS
	MCH	1.0784	1.232	PASS
	HCH	1.0804	1.238	PASS

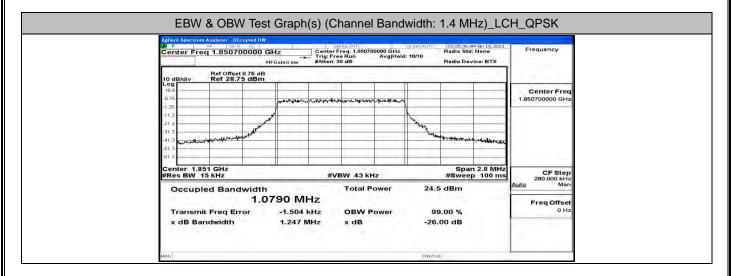
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation	Channel	(MHz)	(MHz)	verdict
QPSK	LCH	2.6811	2.889	PASS
	MCH	2.6857	2.892	PASS
	HCH	2.6768	2.888	PASS
16QAM	LCH	2.6823	2.916	PASS
	MCH	2.6873	2.880	PASS
	HCH	2.6846	2.906	PASS

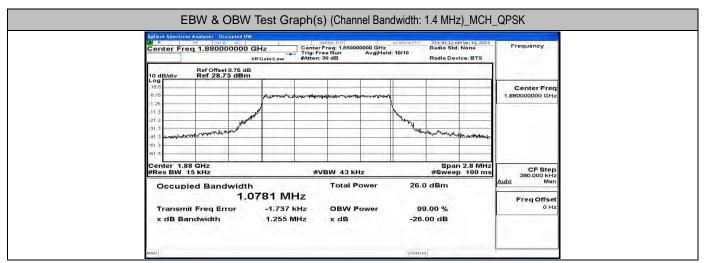
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	4.4681	4.797	PASS
	MCH	4.4719	4.795	PASS
	HCH	4.4633	4.815	PASS
16QAM	LCH	4.4806	4.778	PASS
	MCH	4.4680	4.764	PASS
	HCH	4.4683	4.783	PASS

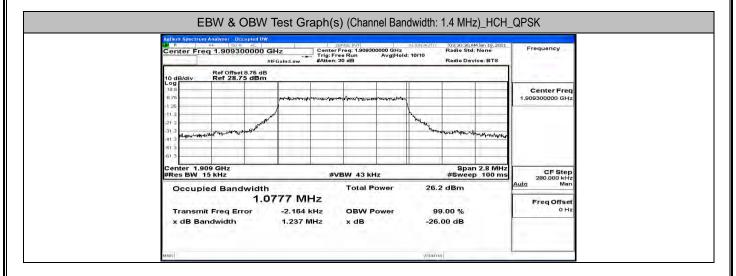
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	8.9297	9.500	PASS
	MCH	8.9263	9.435	PASS
	HCH	8.9195	9.453	PASS
16QAM	LCH	8.9288	9.416	PASS
	MCH	8.9311	9.479	PASS
	HCH	8.9075	9.452	PASS

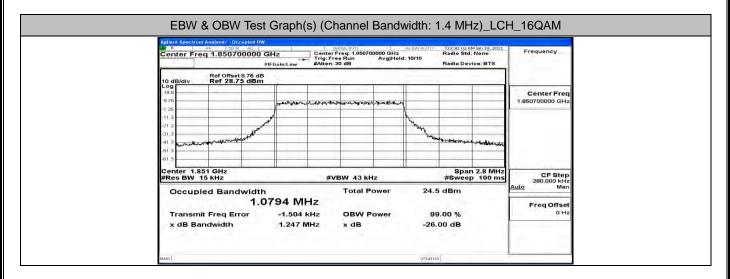
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
	LCH	13.368	13.94	PASS
QPSK	MCH	13.355	13.96	PASS
	HCH	13.358	13.97	PASS
16QAM	LCH	13.364	14.00	PASS
	MCH	13.363	13.98	PASS
	HCH	13.362	14.03	PASS

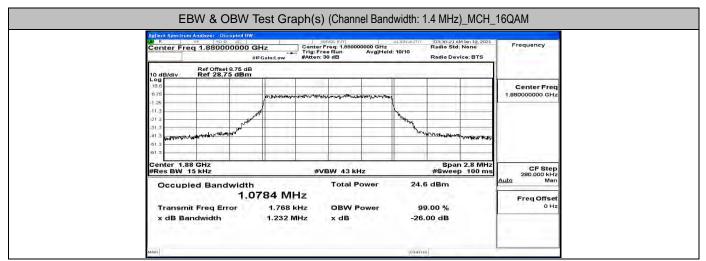
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Mandadatian	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	17.764	18.54	PASS
	MCH	17.855	18.61	PASS
	HCH	17.812	18.55	PASS
16QAM	LCH	17.784	18.53	PASS
	MCH	17.829	18.67	PASS
	HCH	17.804	18.54	PASS

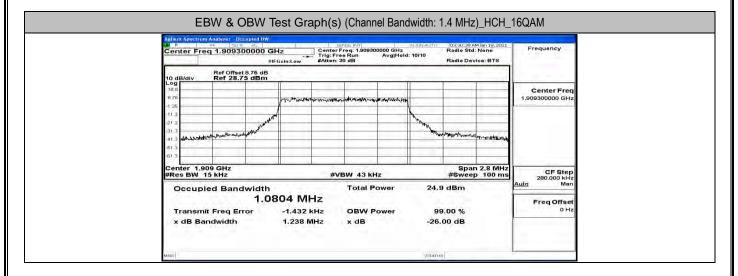


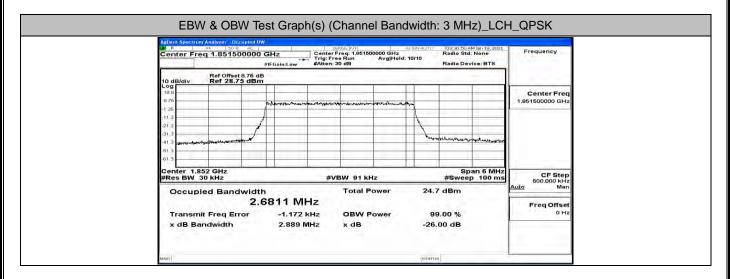


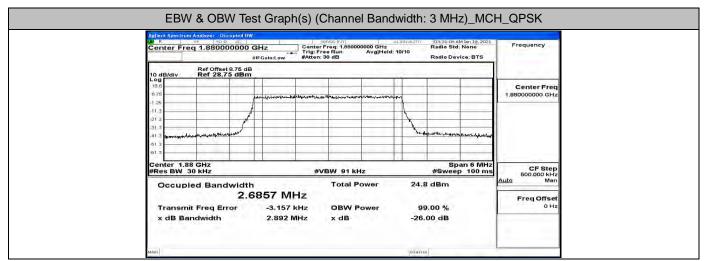


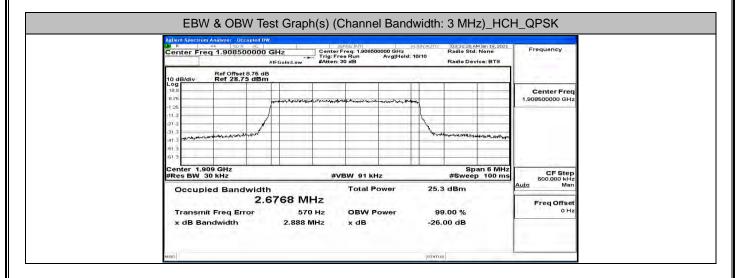


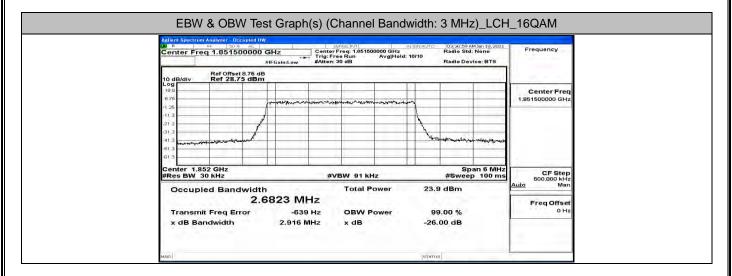


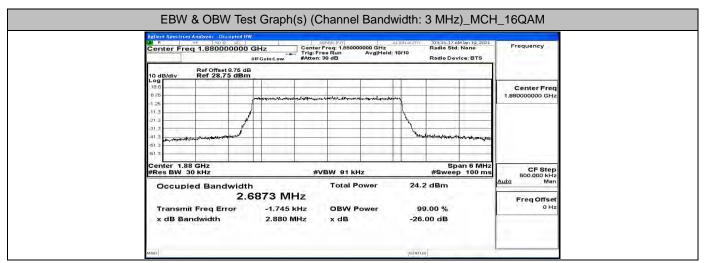


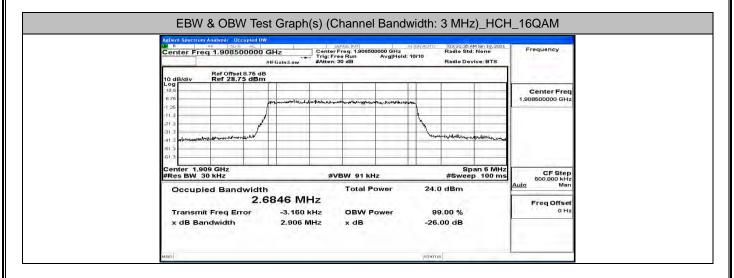


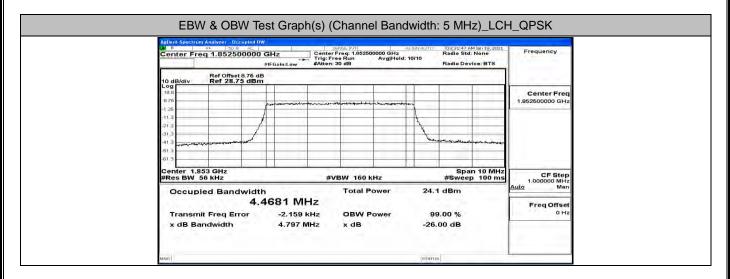


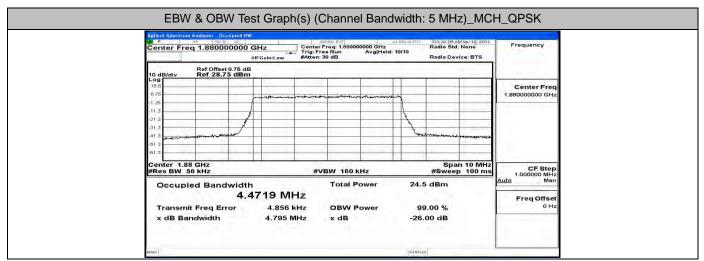


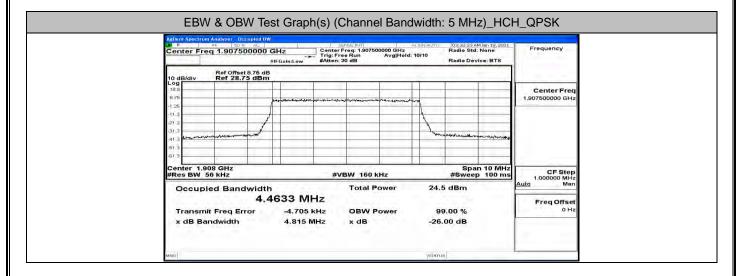


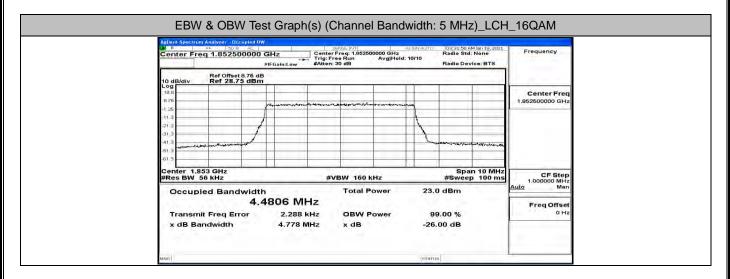


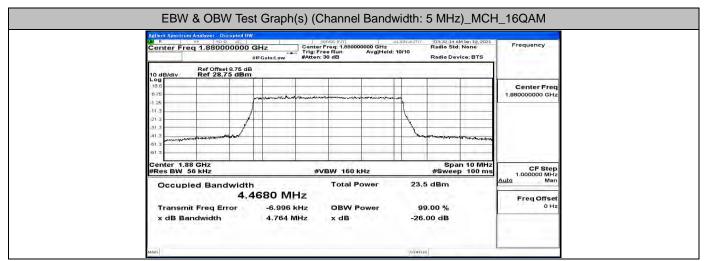


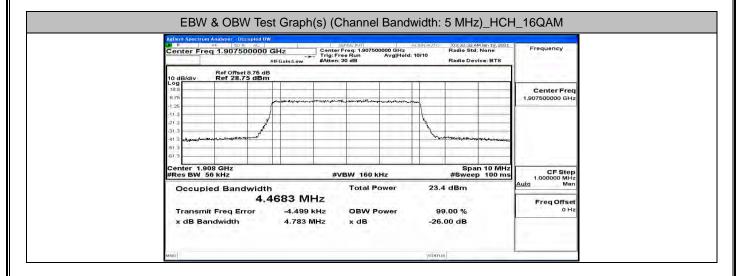


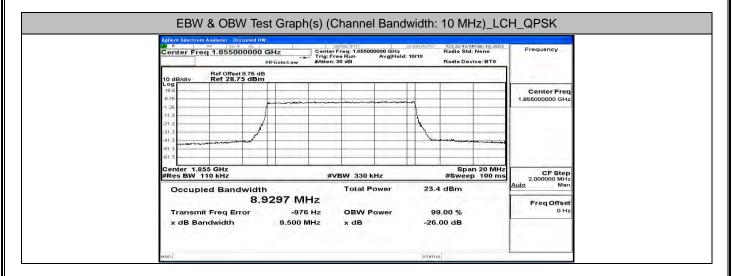


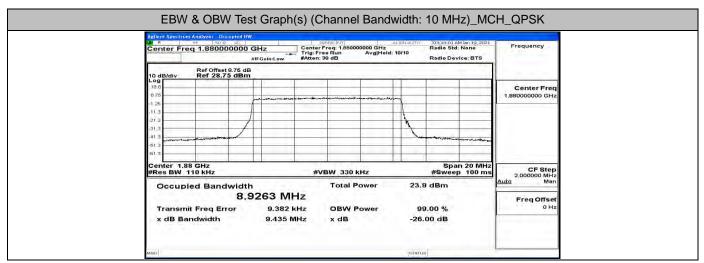


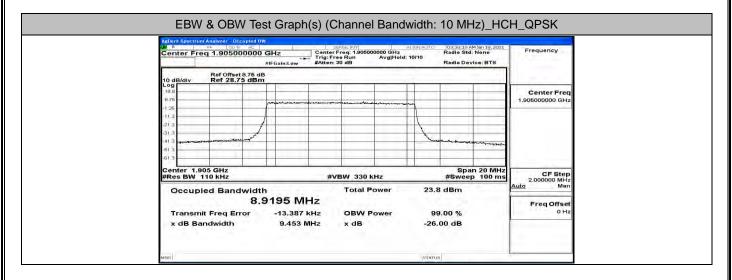


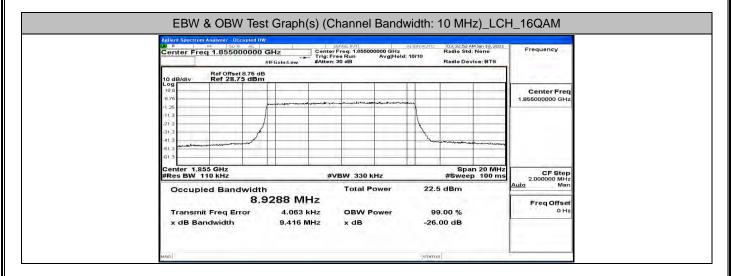


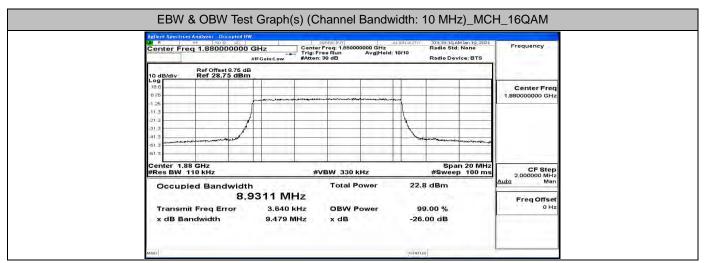


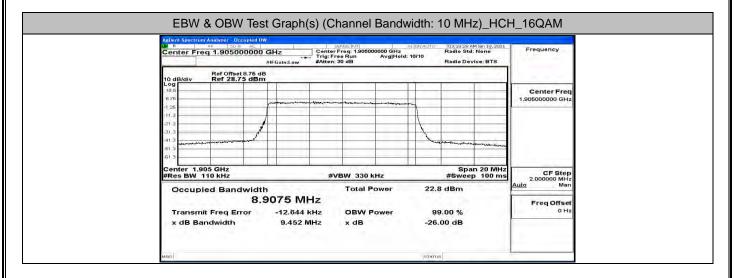


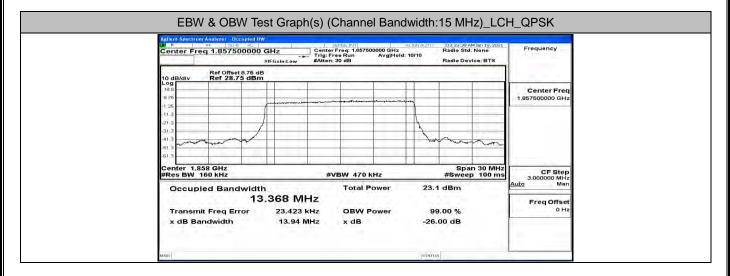


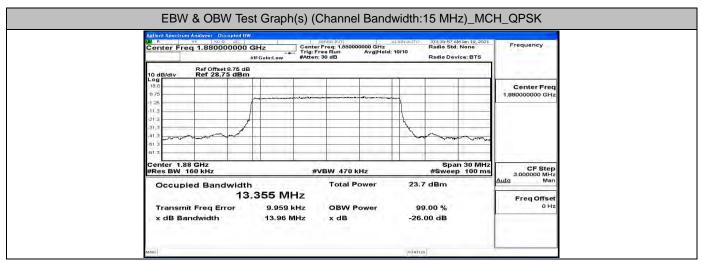


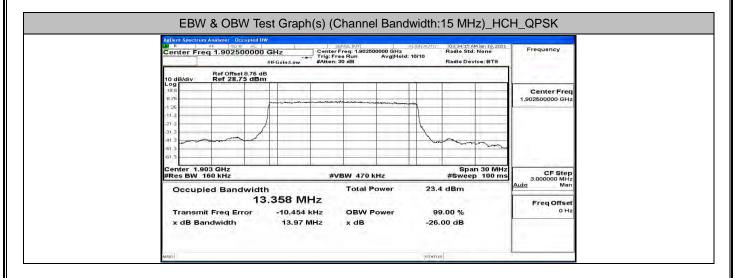


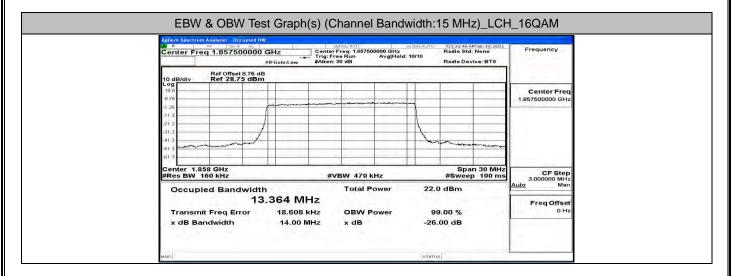


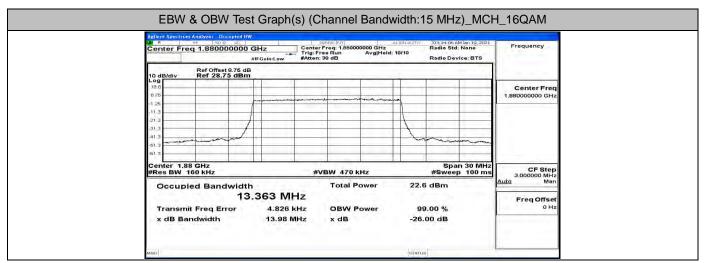


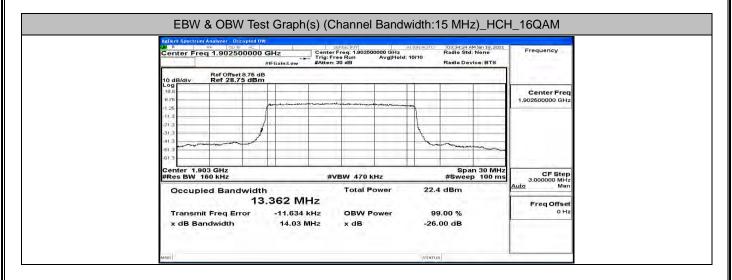


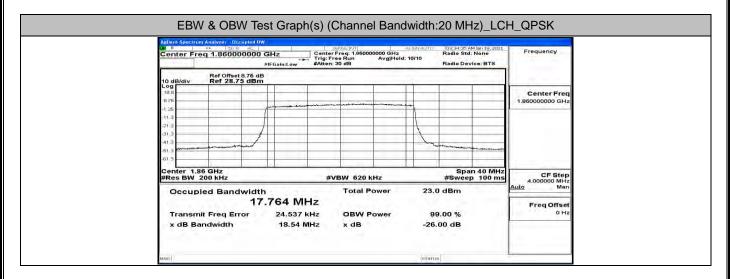


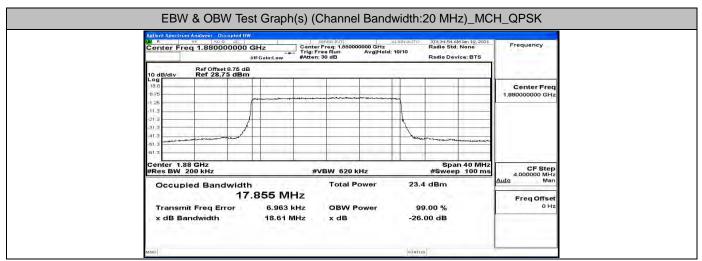


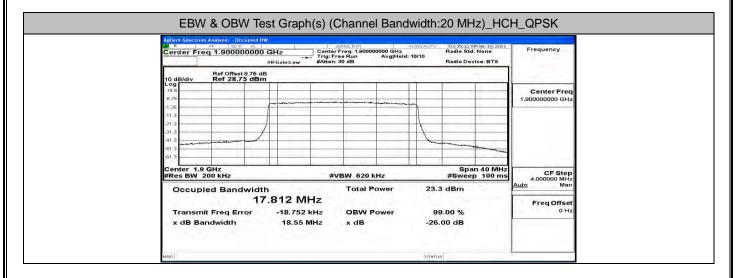


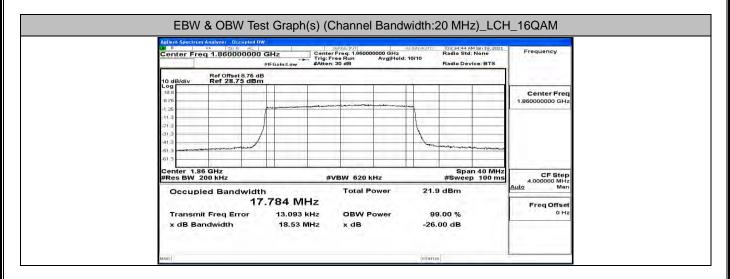


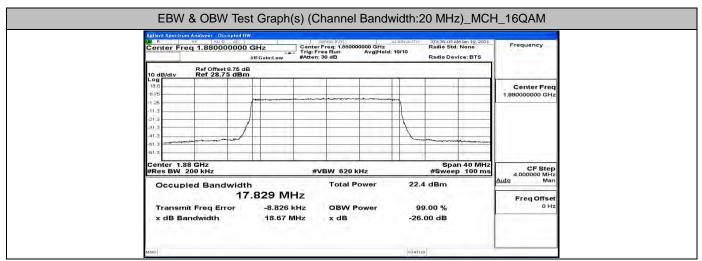


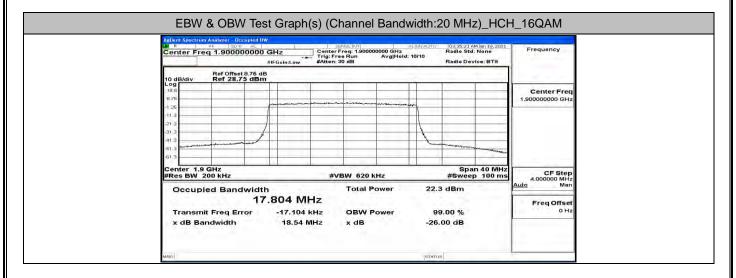




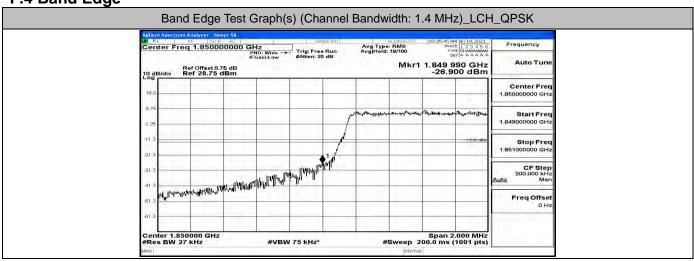


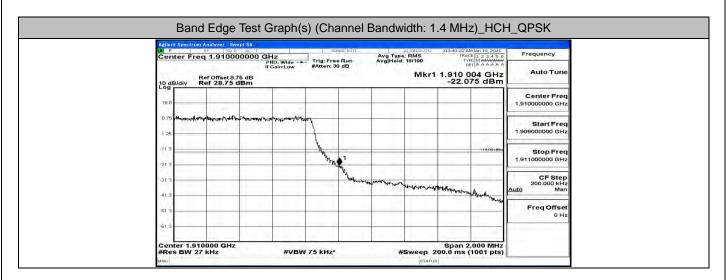


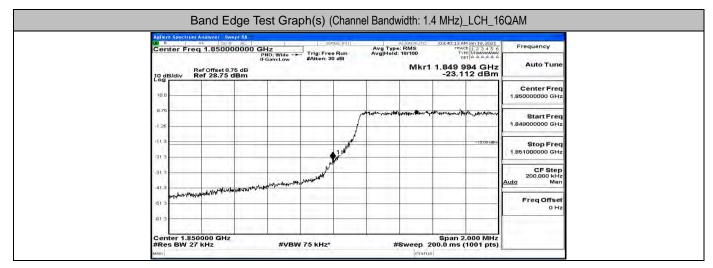


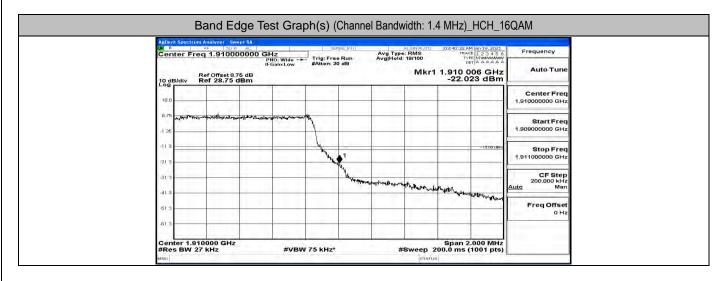


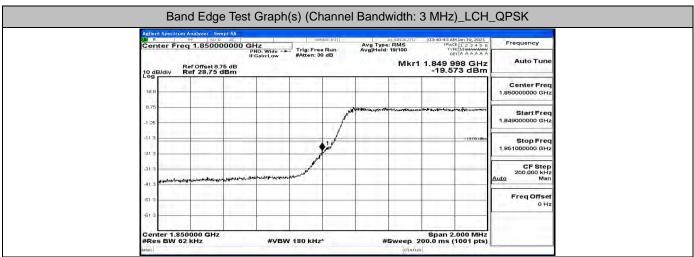
F.4 Band Edge

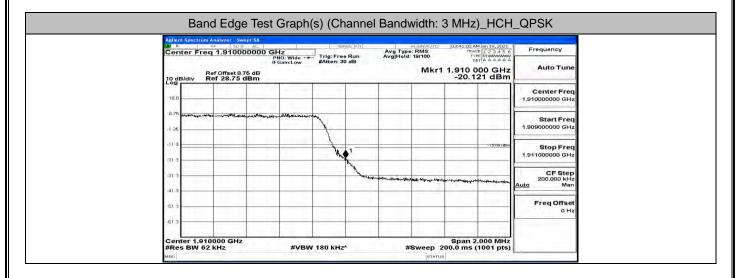


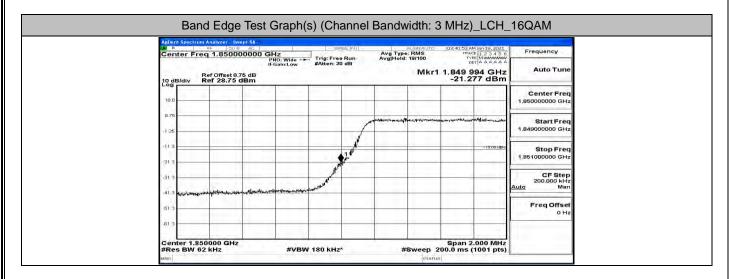


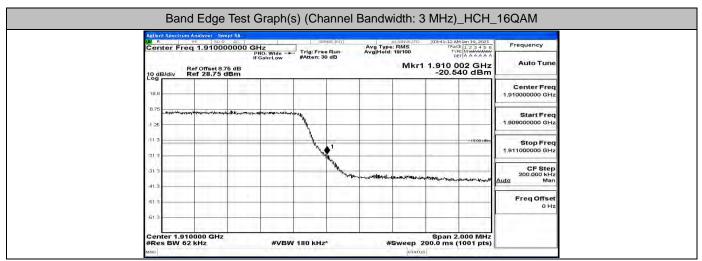


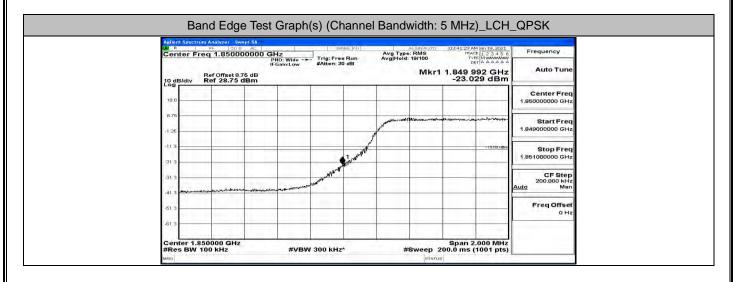


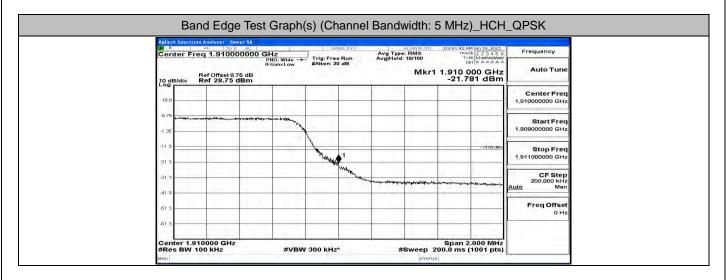


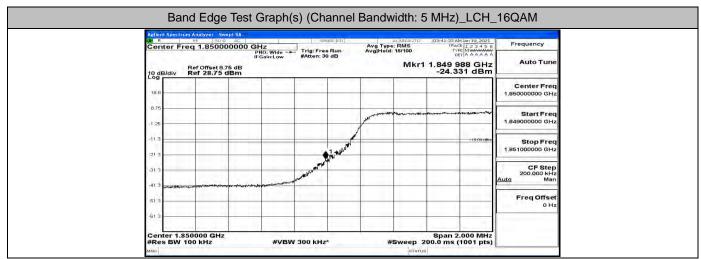


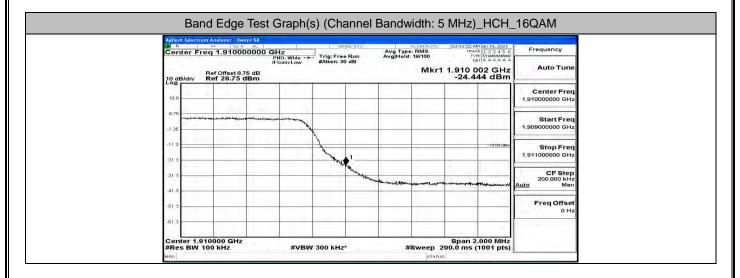


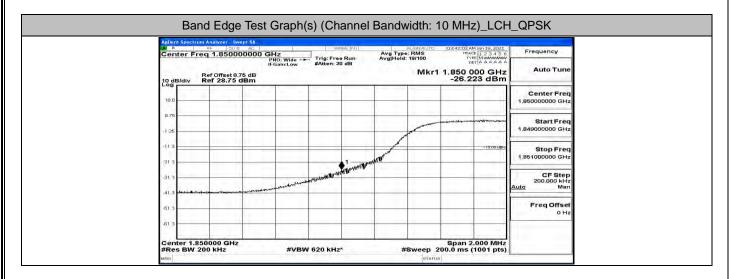


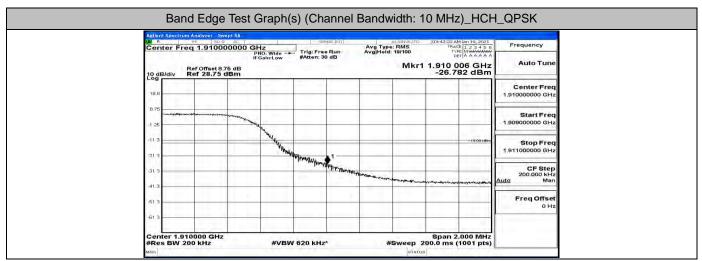


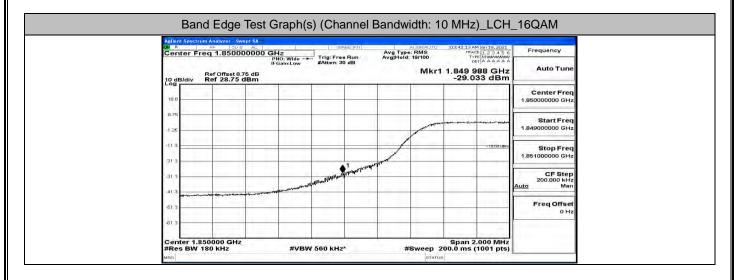


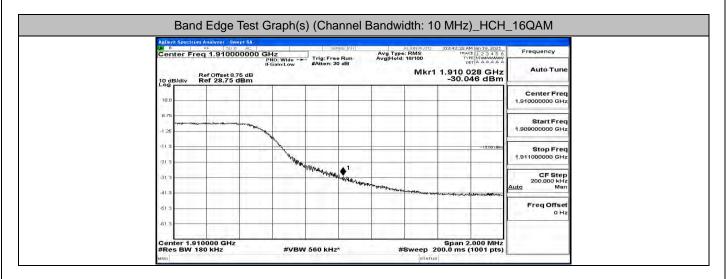


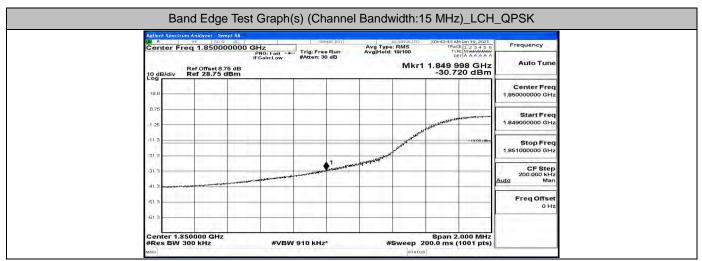


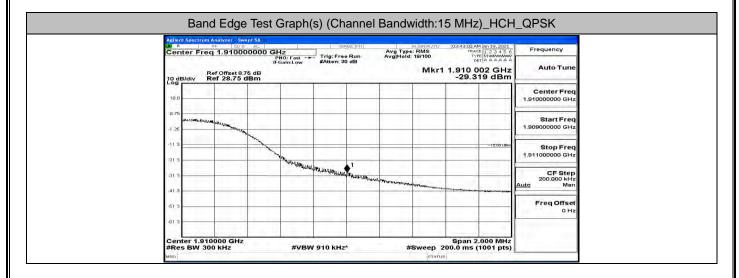


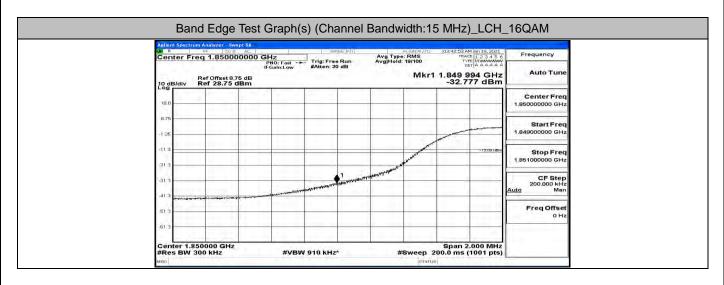


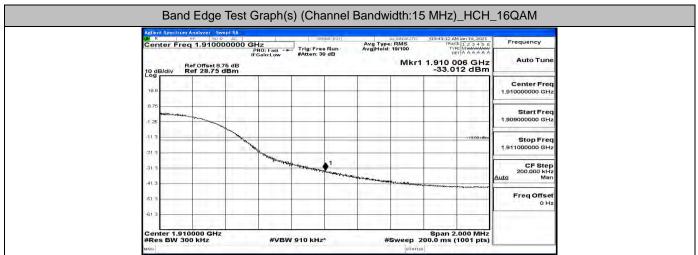


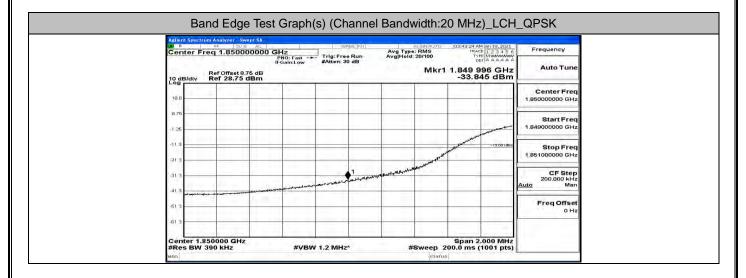


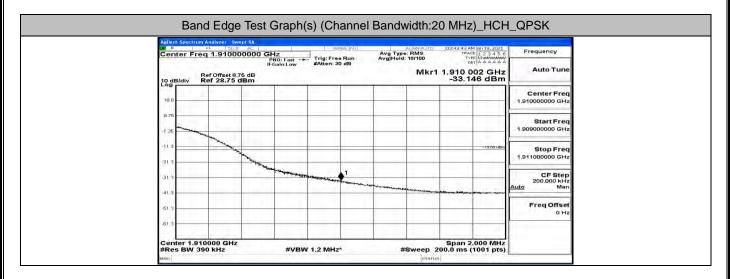


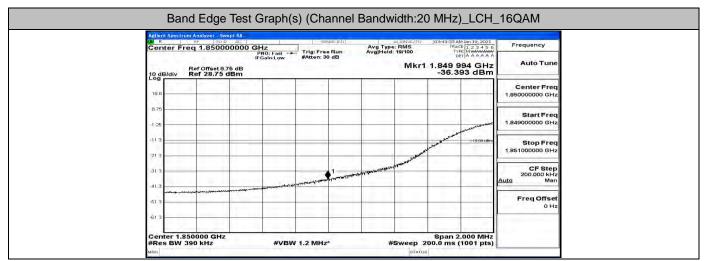


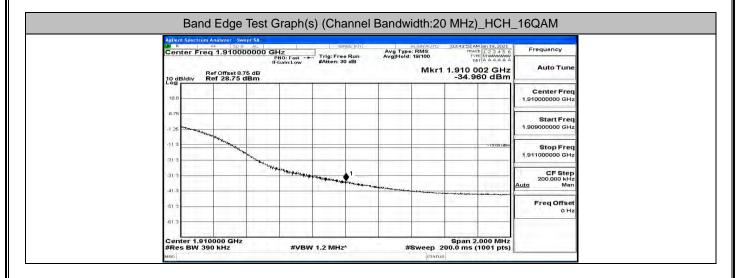








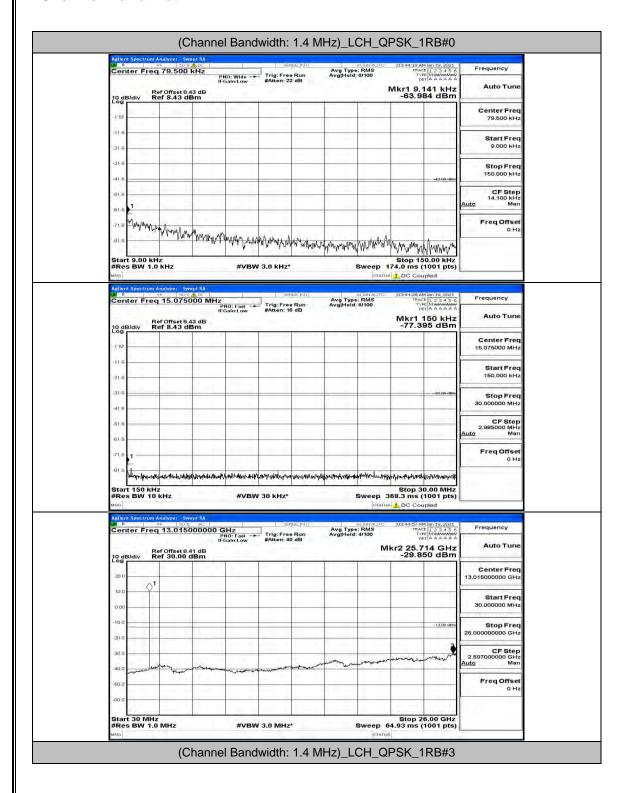


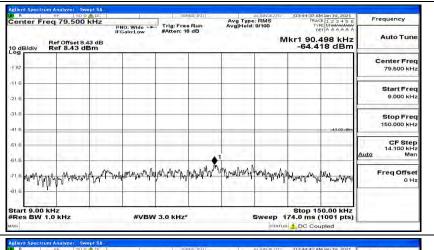


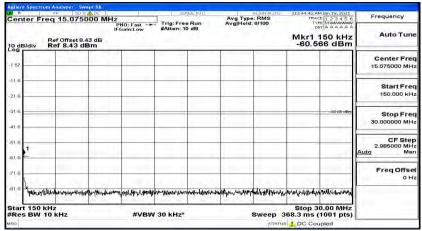
F.5 Conducted Spurious Emission

Test Graphs

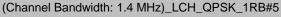
Channel Bandwidth: 1.4 MHz

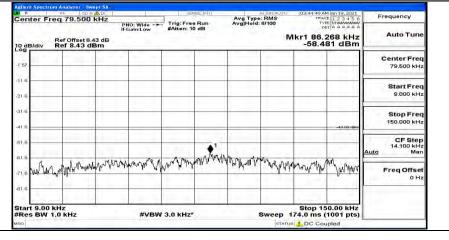


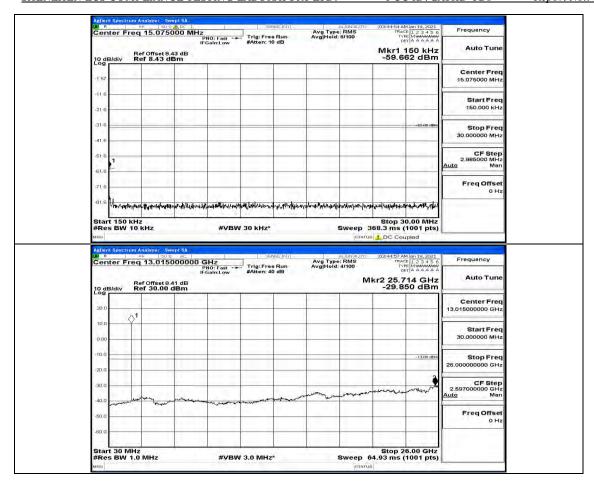


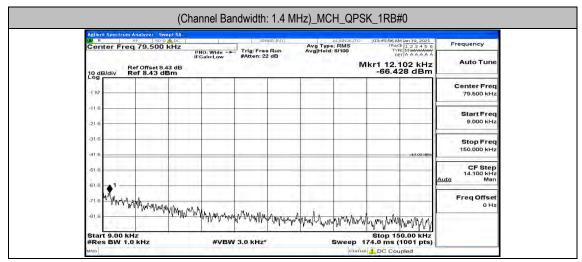








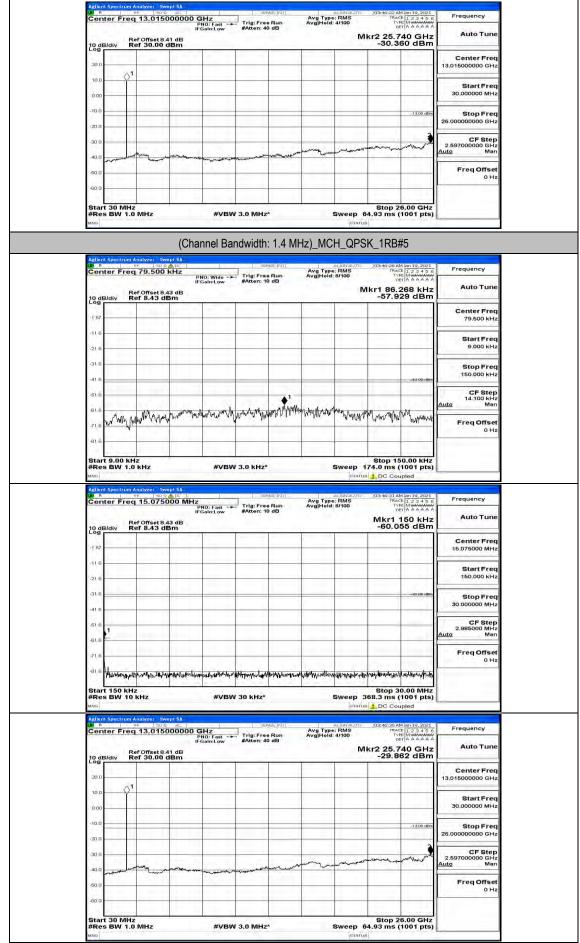


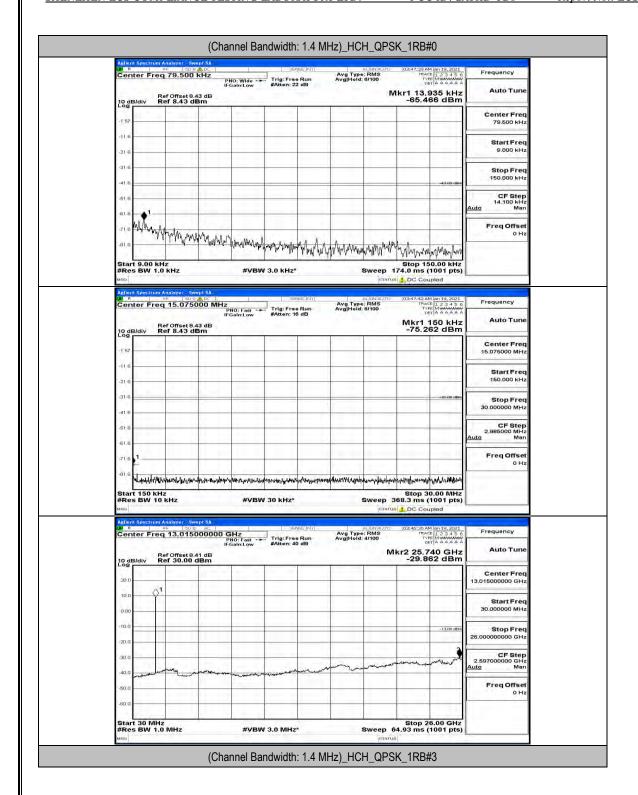


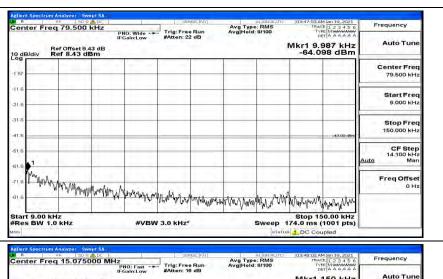
FCC ID: 2AYKD-TB8

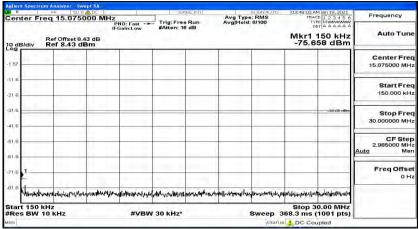
Report No.: LCS201224030AEI

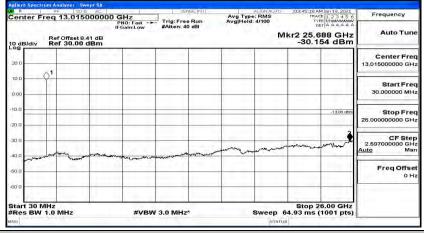
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

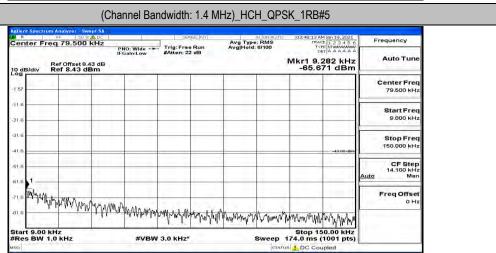


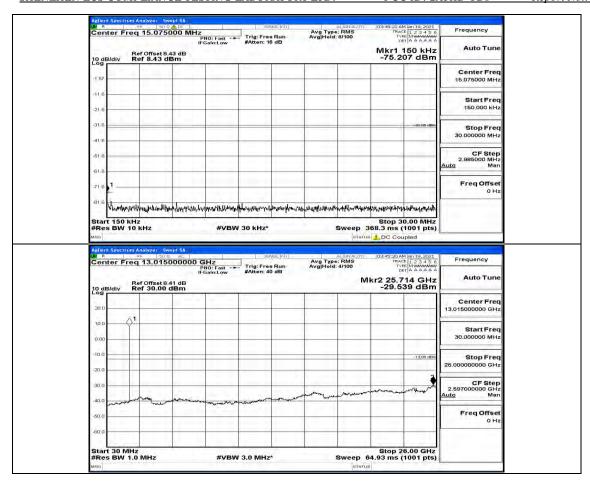


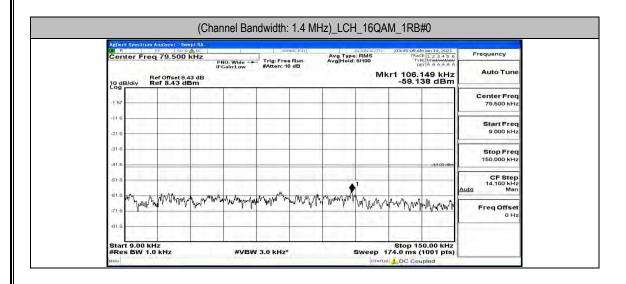








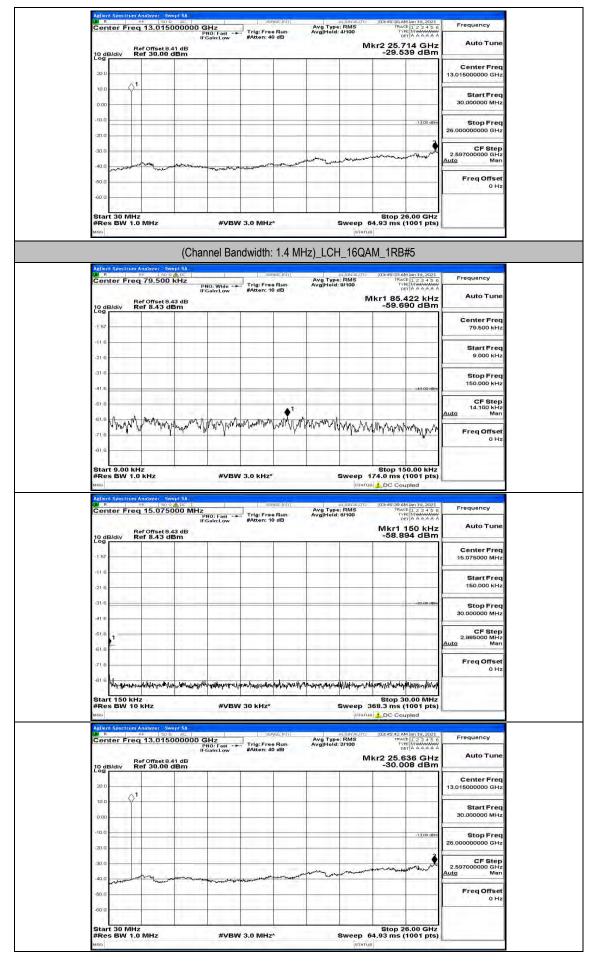


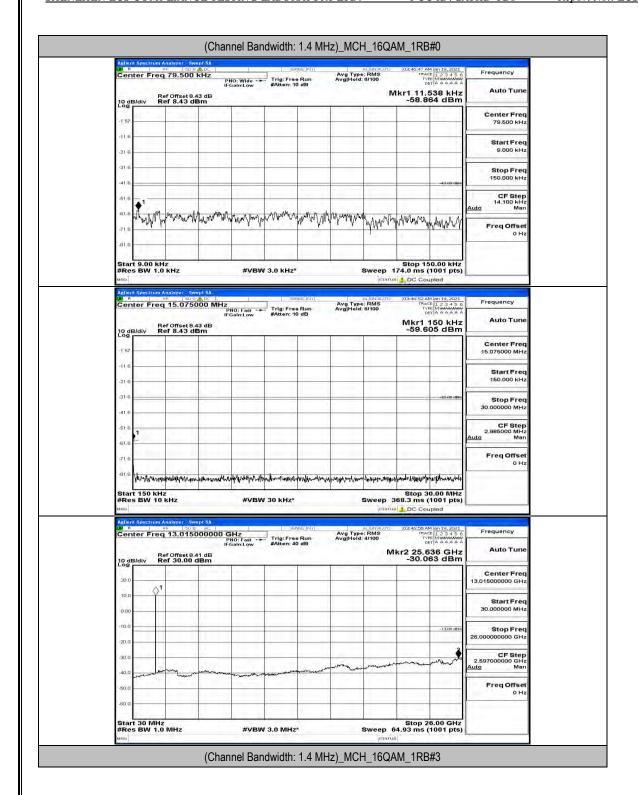


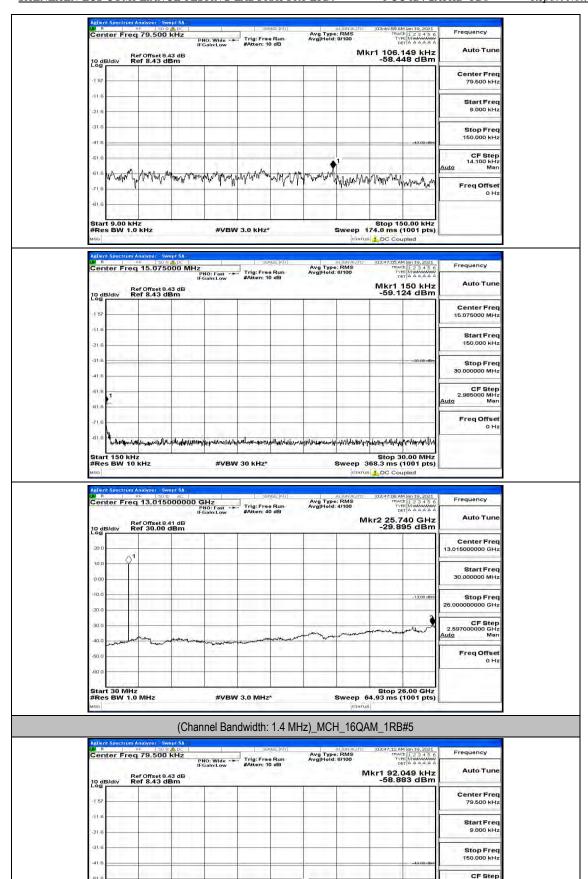
FCC ID: 2AYKD-TB8

Report No.: LCS201224030AEI

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.





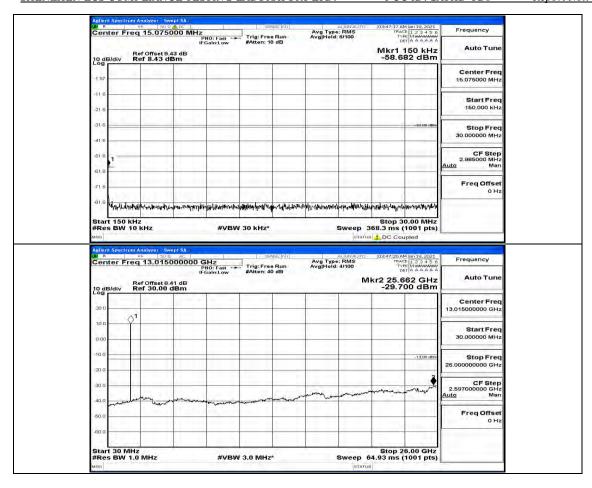


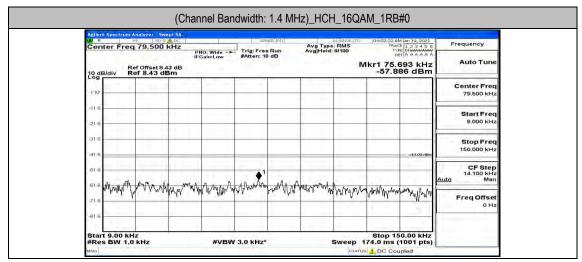
Stop 150.00 kHz Sweep 174.0 ms (1001 pts)

mynulary ymynunah un ymyn y flywrai y flywrai y flywrai y flydrawyn

#VBW 3.0 kHz*

Start 9.00 kHz #Res BW 1.0 kHz



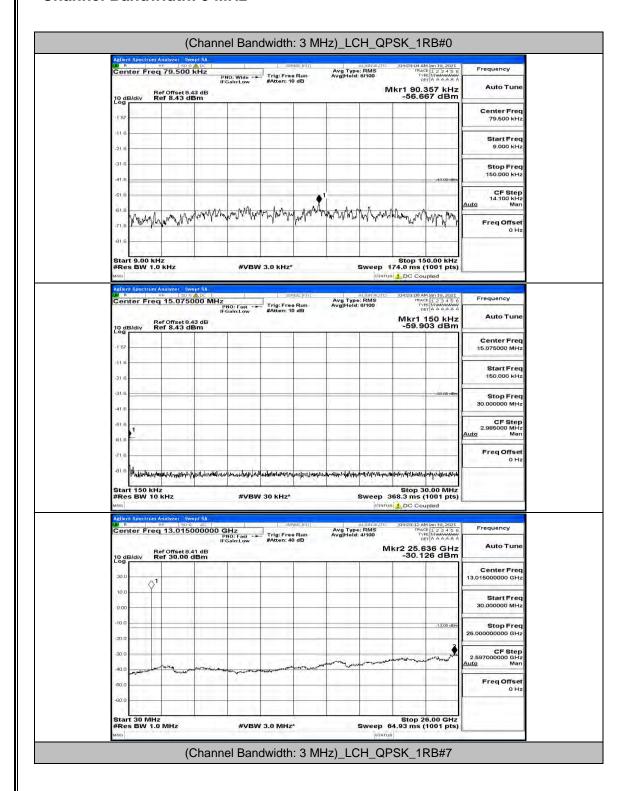


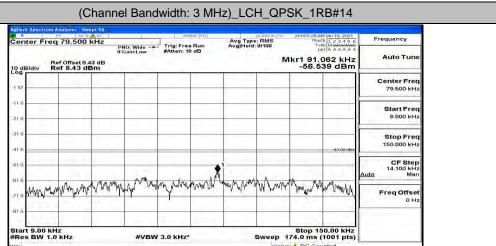
FCC ID: 2AYKD-TB8

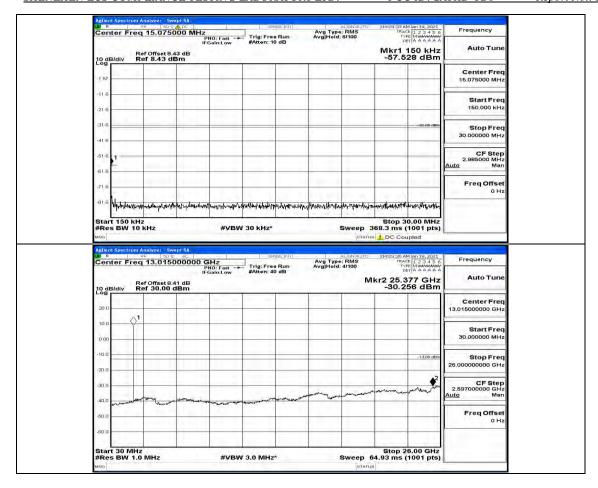
Report No.: LCS201224030AEI

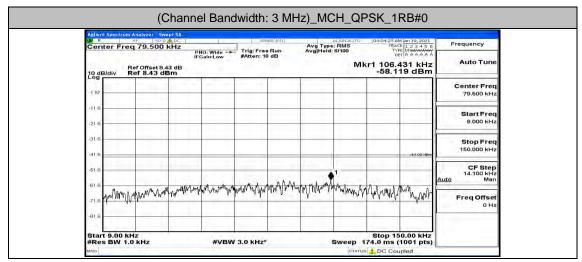
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

Channel Bandwidth: 3 MHz







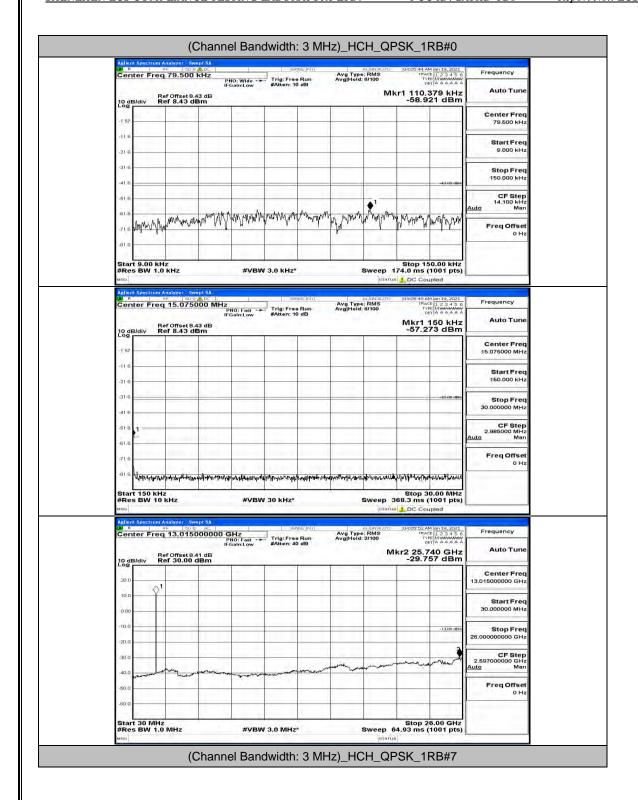


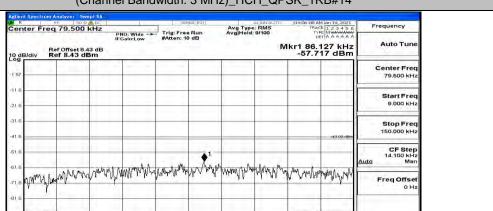
Stop 26.00 GHz Sweep 64.93 ms (1001 pts)

Start 30 MHz #Res BW 1.0 MHz

#VBW 3.0 MHz*

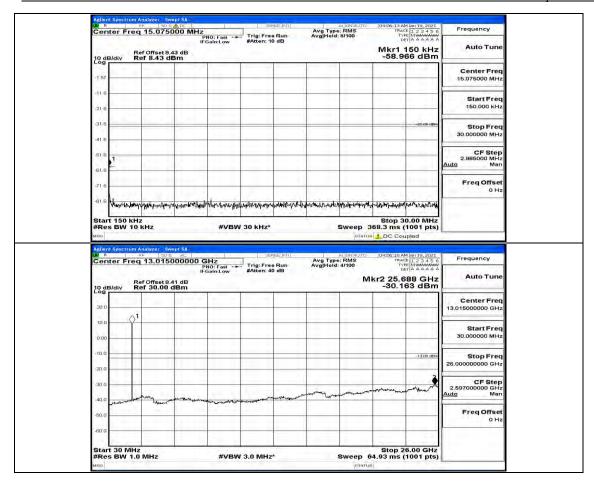
Freq Offset 0 Hz

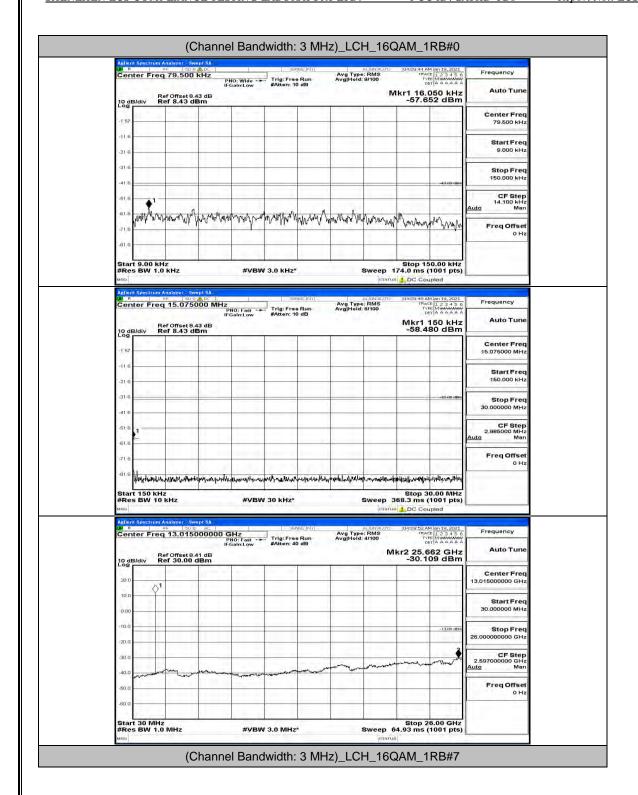


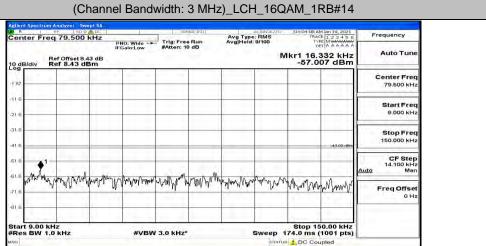


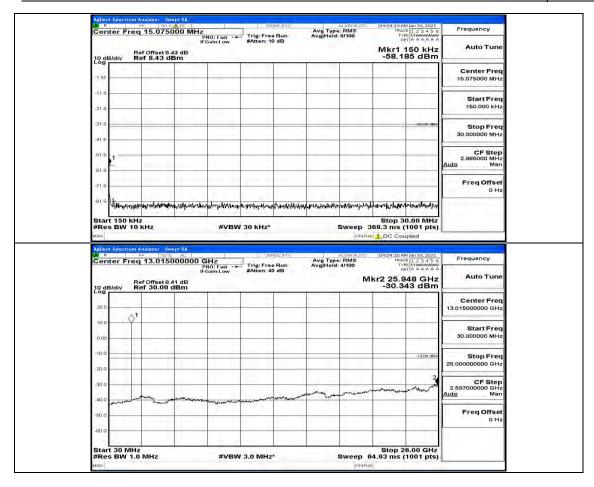
#VBW 3.0 kHz*

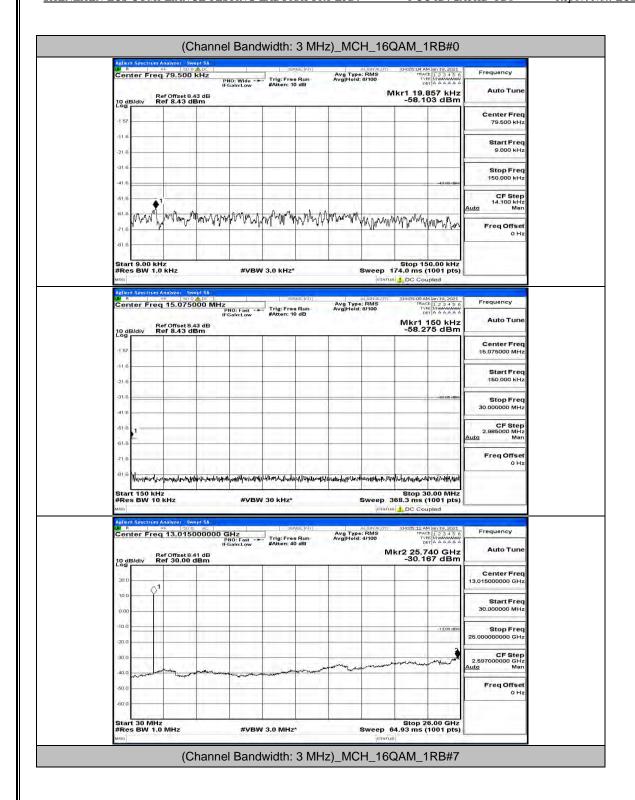
Start 9.00 kHz #Res BW 1.0 kHz Stop 150.00 kHz Sweep 174.0 ms (1001 pts)



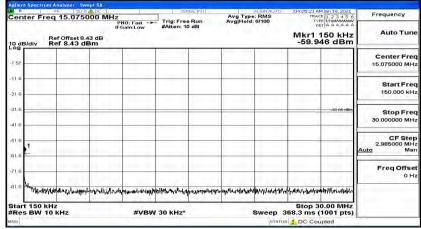




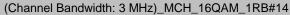


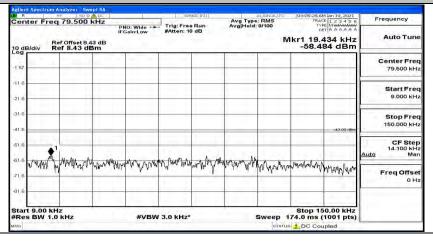


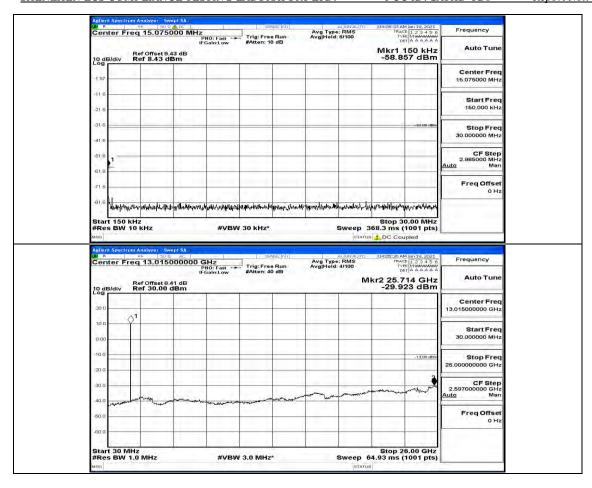


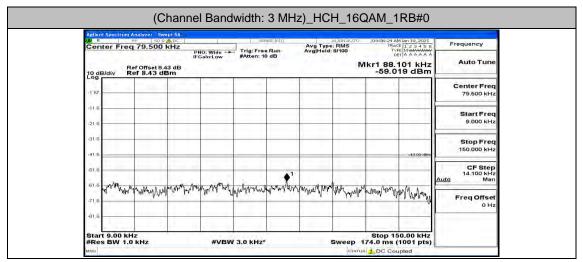












Stop 26.00 GHz Sweep 64.93 ms (1001 pts)

Start 30 MHz #Res BW 1.0 MHz

#VBW 3.0 MHz*

Channel Bandwidth: 5 MHz

