Appendix F: Test Data for E-UTRA Band 2

Product Name: Tablet PC

duubee Trade Mark:

Test Model: DT1052

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.7%
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	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a ==li =4	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	22.22	21.63	PASS	
		1	3	22.22	21.74	PASS	
		1	5	22.18	21.60	PASS	
	LCH	3	0	22.33	21.48	PASS	
		3	2	22.33	21.52	PASS	
		3	3	22.28	21.48	PASS	
		6	0	21.57	20.63	PASS	
		1	0	22.82	21.89	PASS	
		1	3	22.96	21.92	PASS	
ODCK /	МСН	1	5	22.82	21.76	PASS	
QPSK / 16QAM		3	0	23.00	21.93	PASS	
IOQAIVI		3	2	23.07	22.03	PASS	
		3	3	22.92	21.96	PASS	
		6	0	22.04	21.22	PASS	
		1	0	22.94	21.83	PASS	
		1	3	22.95	21.95	PASS	
		1	5	22.86	21.82	PASS	
	HCH	3	0	22.86	22.04	PASS	
		3	2	22.71	21.99	PASS	
		3	3	22.71	21.94	PASS	
		6	0	21.85	20.71	PASS	

	Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiet			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	21.96	21.43	PASS			
		1	7	22.07	21.93	PASS			
		1	14	22.29	22.10	PASS			
	LCH	8	0	21.61	20.58	PASS			
		8	4	21.67	20.59	PASS			
		8	7	21.65	20.55	PASS			
QPSK /		15	0	21.71	20.67	PASS			
16QAM		1	0	23.13	22.62	PASS			
TOQAW		1	7	23.04	22.51	PASS			
		1	14	23.04	22.55	PASS			
	MCH	8	0	22.00	21.32	PASS			
		8	4	21.96	21.18	PASS			
		8	7	21.97	21.20	PASS			
		15	0	21.94	21.20	PASS			
	HCH	1	0	22.81	21.58	PASS			

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	1	7	22.79	21.78	PASS
	1	14	23.00	21.66	PASS
	8	0	21.92	20.91	PASS
	8	4	21.83	20.85	PASS
	8	7	21.78	20.72	PASS
	15	0	21.89	20.95	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a ==li =4		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	22.14	20.86	PASS		
		1	12	22.64	21.06	PASS		
		1	24	22.20	20.79	PASS		
	LCH	12	0	21.40	20.45	PASS		
		12	6	21.41	20.43	PASS		
		12	13	21.37	20.53	PASS		
		25	0	21.36	20.62	PASS		
		1	0	23.26	22.01	PASS		
		1	12	23.37	22.06	PASS		
QPSK /	МСН	1	24	23.14	21.76	PASS		
16QAM		12	0	22.19	21.31	PASS		
IOQAW		12	6	22.02	21.17	PASS		
		12	13	22.06	20.93	PASS		
		25	0	22.03	21.20	PASS		
		1	0	22.96	21.77	PASS		
		1	12	22.81	21.24	PASS		
		1	24	22.93	21.44	PASS		
	HCH	12	0	21.99	20.75	PASS		
		12	6	21.91	20.68	PASS		
		12	13	21.98	20.63	PASS		
		25	0	22.01	21.09	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vandiet	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	22.32	21.67	PASS	
		1	24	22.27	21.51	PASS	
		1	49	22.87	22.66	PASS	
	LCH	25	0	21.40	20.49	PASS	
		25	12	21.40	20.30	PASS	
		25	25	21.54	20.50	PASS	
		50	0	21.43	20.51	PASS	
		1	0	23.53	22.81	PASS	
		1	24	22.81	22.66	PASS	
QPSK /		1	49	22.84	22.23	PASS	
16QAM	MCH	25	0	22.35	21.42	PASS	
IOQAW		25	12	22.15	21.06	PASS	
		25	25	21.99	21.01	PASS	
		50	0	22.16	21.15	PASS	
		1	0	22.76	21.86	PASS	
		1	24	23.01	21.52	PASS	
		1	49	22.84	21.80	PASS	
	HCH	25	0	22.01	21.38	PASS	
		25	12	22.10	21.11	PASS	
		25	25	22.13	21.15	PASS	
		50	0	21.96	21.22	PASS	

	Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)								
Madulation	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	\/a ==li =4			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	22.37	21.68	PASS			
		1	37	22.52	21.93	PASS			
		1	74	22.41	21.13	PASS			
	LCH	37	0	21.51	20.46	PASS			
		37	18	21.68	20.59	PASS			
		37	38	21.82	20.85	PASS			
		75	0	21.58	20.65	PASS			
		1	0	23.49	23.24	PASS			
	мсн	1	37	23.15	22.67	PASS			
QPSK /		1	74	22.60	22.09	PASS			
16QAM		37	0	22.41	21.46	PASS			
TOQAW		37	18	22.20	21.15	PASS			
		37	38	22.04	20.90	PASS			
		75	0	22.16	21.20	PASS			
		1	0	22.77	22.51	PASS			
		1	37	22.99	22.57	PASS			
		1	74	22.75	22.20	PASS			
	HCH	37	0	21.87	21.05	PASS			
		37	18	21.97	20.95	PASS			
		37	38	21.87	20.90	PASS			
		75	0	21.80	20.92	PASS			

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/andiat	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	22.29	20.88	PASS	
		1	49	22.63	21.08	PASS	
		1	99	23.53	22.29	PASS	
	LCH	50	0	21.43	20.66	PASS	
		50	25	21.72	20.80	PASS	
		50	50	22.31	21.41	PASS	
		100	0	21.86	20.87	PASS	
		1	0	23.61	22.58	PASS	
		1	49	23.11	22.08	PASS	
QPSK /		1	99	22.68	21.37	PASS	
16QAM	MCH	50	0	22.46	21.54	PASS	
TOQAIVI		50	25	22.13	21.17	PASS	
		50	50	21.80	20.73	PASS	
		100	0	22.22	21.25	PASS	
		1	0	22.45	21.40	PASS	
		1	49	22.75	21.74	PASS	
		1	99	22.78	21.20	PASS	
	HCH	50	0	21.99	21.02	PASS	
		50	25	22.14	21.09	PASS	
		50	50	22.15	21.21	PASS	
		100	0	22.07	21.12	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			
Modulation	Griannei	[dB]	[dB]	verdict			
	LCH	3.46	<13	PASS			
QPSK	MCH	4.07	<13	PASS			
	HCH	4.54	<13	PASS			
	LCH	4.24	<13	PASS			
16QAM	MCH	4.99	<13	PASS			
	HCH	5.43	<13	PASS			

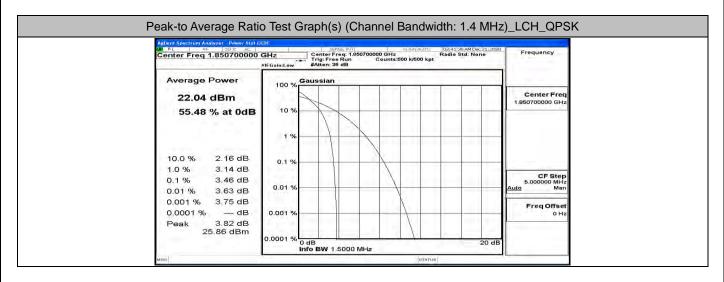
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Channel	[dB]	[dB]	verdict			
	LCH	3.81	<13	PASS			
QPSK	MCH	4.32	<13	PASS			
	HCH	4.59	<13	PASS			
16QAM	LCH	4.63	<13	PASS			
	MCH	5.1	<13	PASS			
	HCH	5.42	<13	PASS			

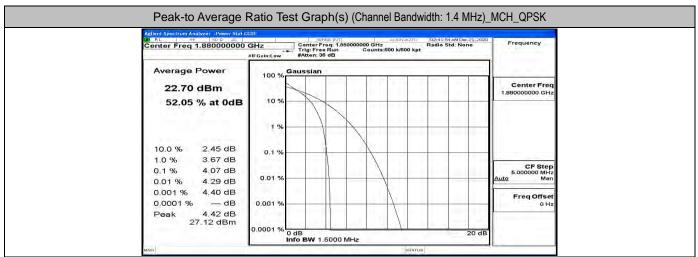
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Griannei	[dB]	[dB]	verdict			
	LCH	3.7	<13	PASS			
QPSK	MCH	4.29	<13	PASS			
	HCH	4.61	<13	PASS			
16QAM	LCH	4.33	<13	PASS			
	MCH	5.11	<13	PASS			
	HCH	5.4	<13	PASS			

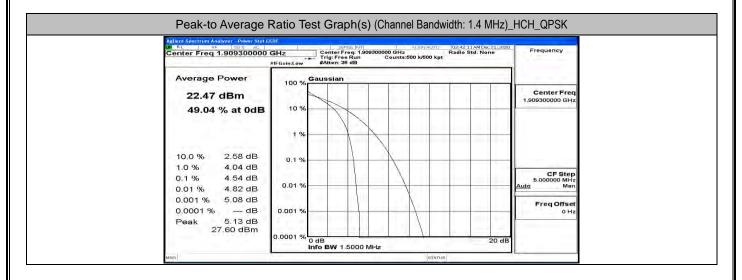
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Griannei	[dB]	[dB]	verdict			
	LCH	4.21	<13	PASS			
QPSK	MCH	4.42	<13	PASS			
	HCH	4.56	<13	PASS			
16QAM	LCH	4.95	<13	PASS			
	MCH	5.19	<13	PASS			
	HCH	5.42	<13	PASS			

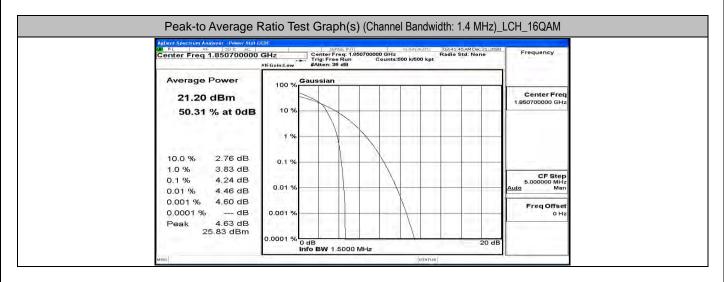
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
Modulation	Charmer	[dB]	[dB]		
	LCH	5	<13	PASS	
QPSK	MCH	4.85	<13	PASS	
	HCH	4.89	<13	PASS	
16QAM	LCH	6.03	<13	PASS	
	MCH	5.95	<13	PASS	
	HCH	6.02	<13	PASS	

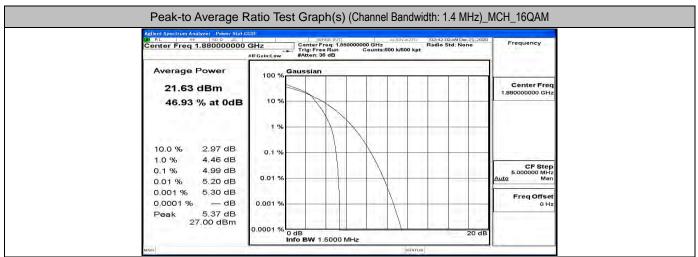
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
		[dB]	[dB]		
QPSK	LCH	5.89	<13	PASS	
	MCH	5.73	<13	PASS	
	HCH	5.82	<13	PASS	
16QAM	LCH	6.89	<13	PASS	
	MCH	6.52	<13	PASS	
	HCH	6.6	<13	PASS	

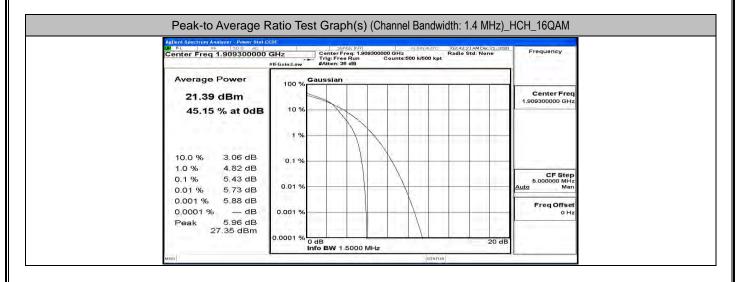


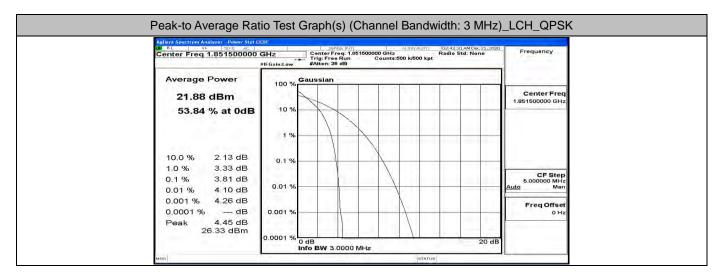


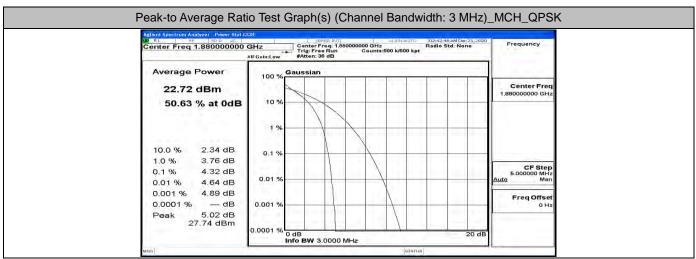


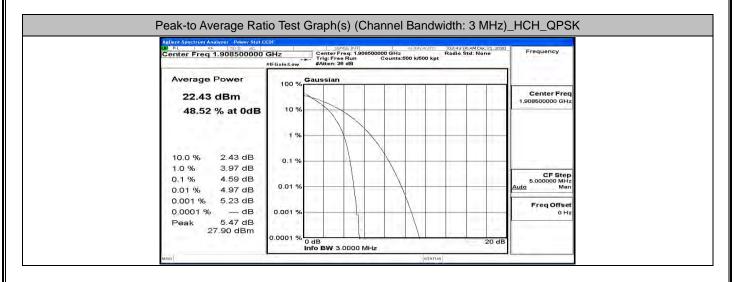


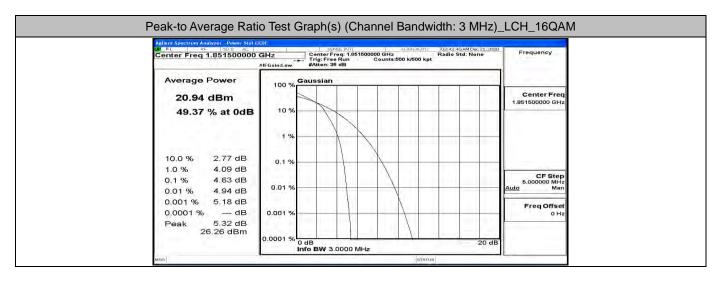


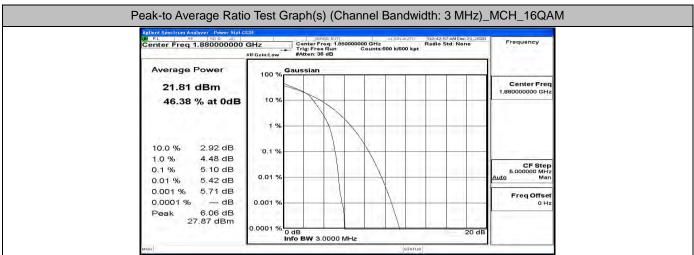


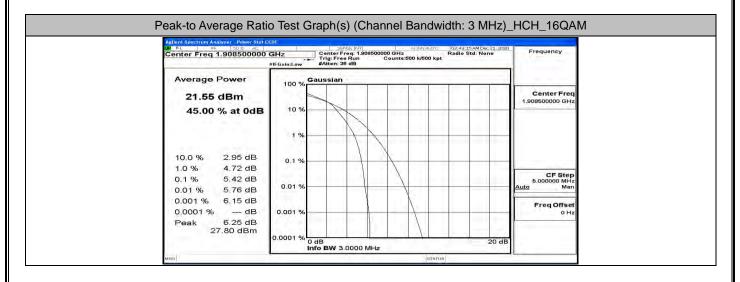


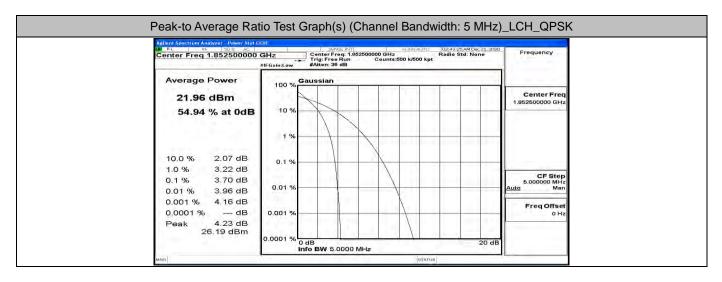


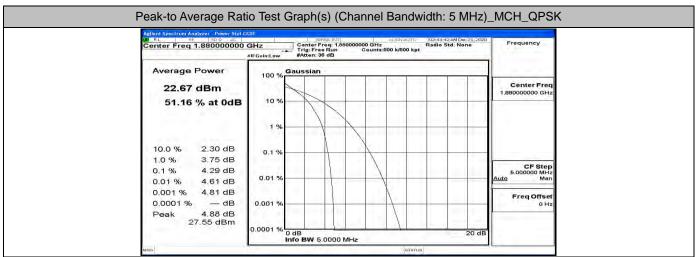


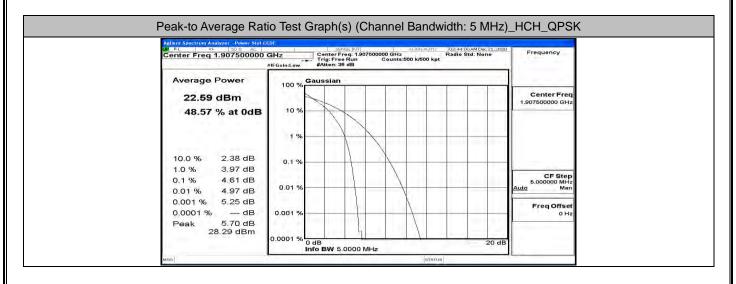


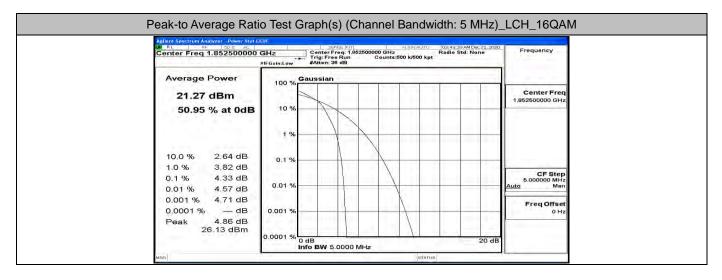


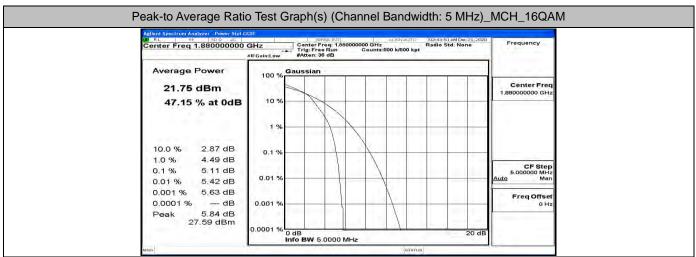


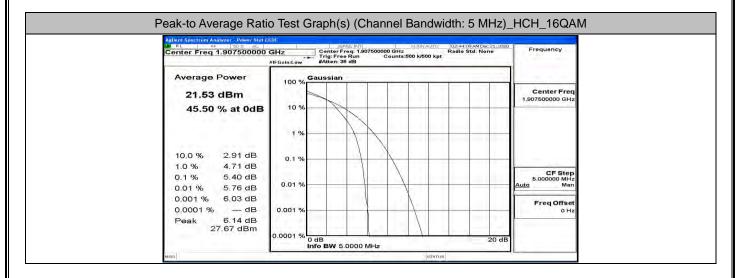




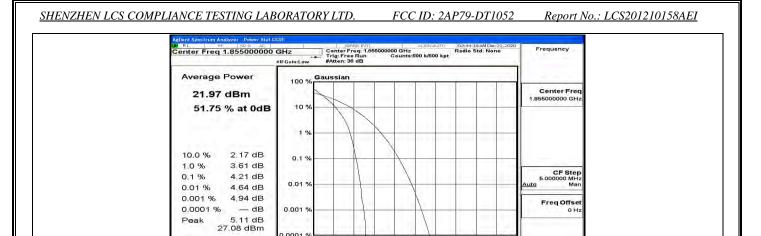








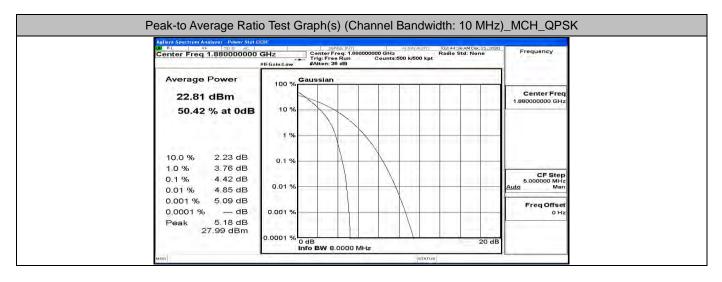
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

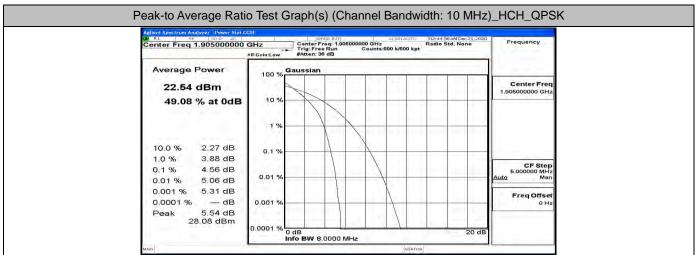


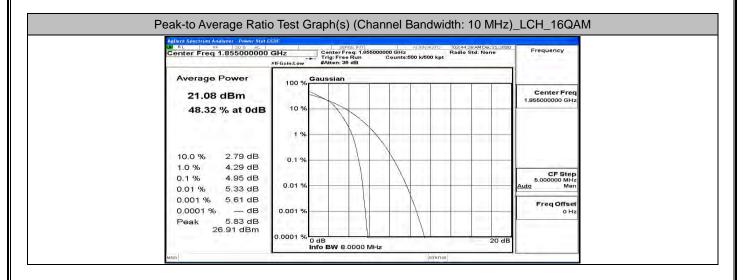
0 dB Info BW 8.0000 MHz

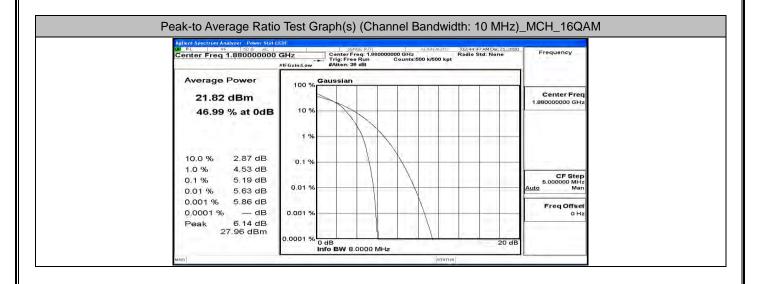
20 dB

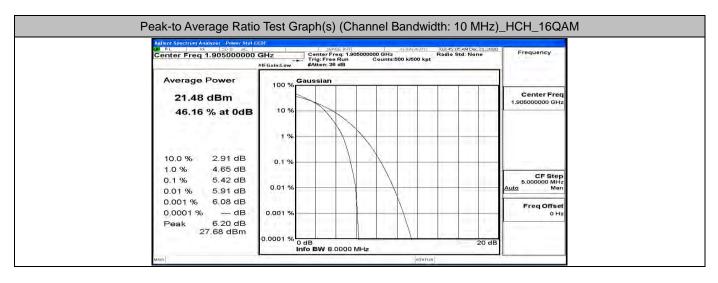
0.0001 %

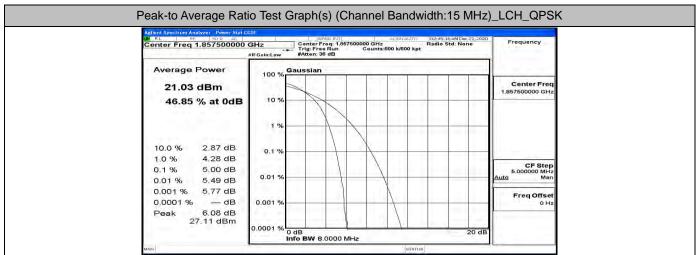


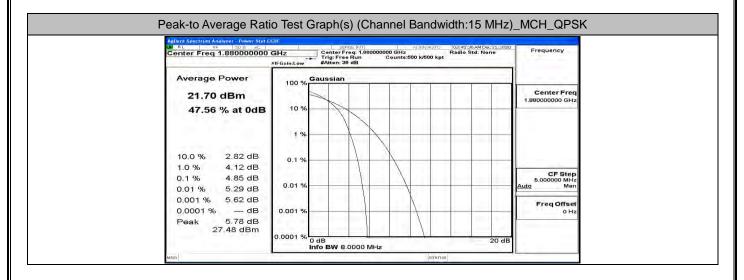


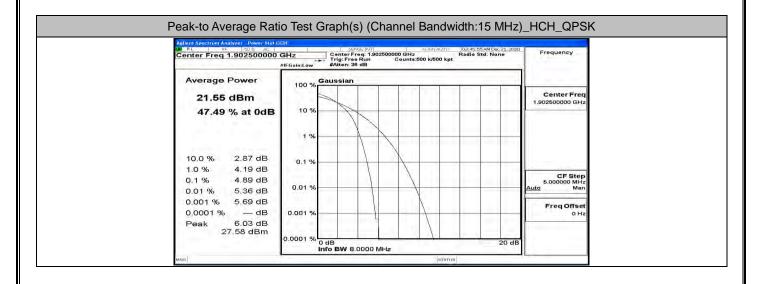


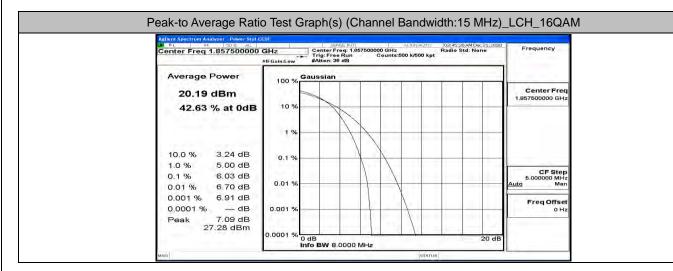


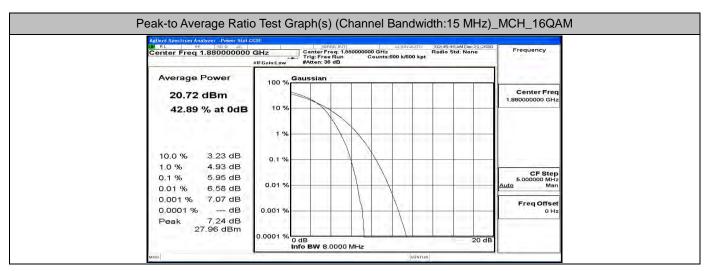


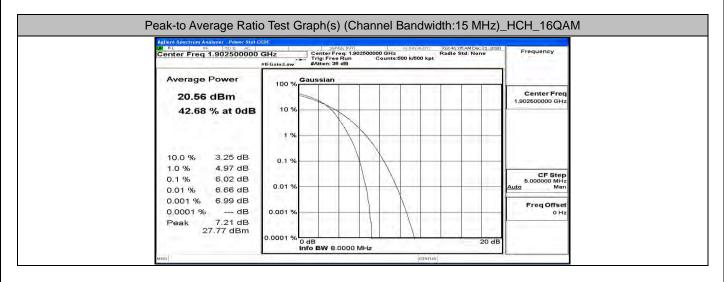


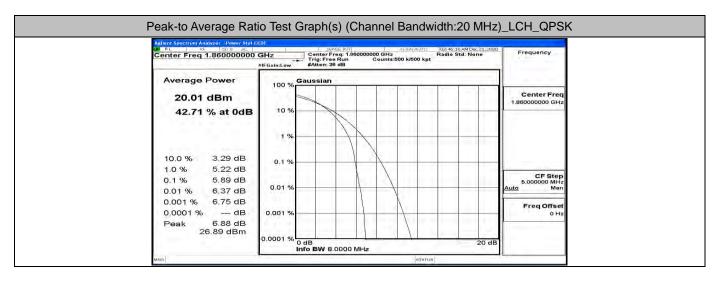


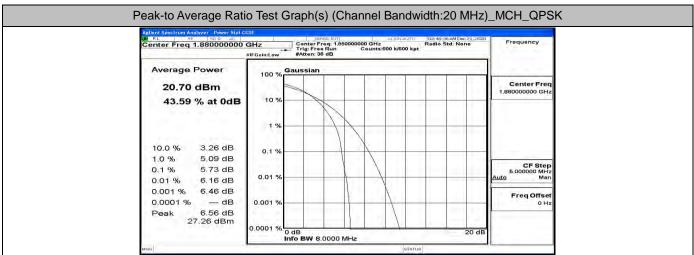


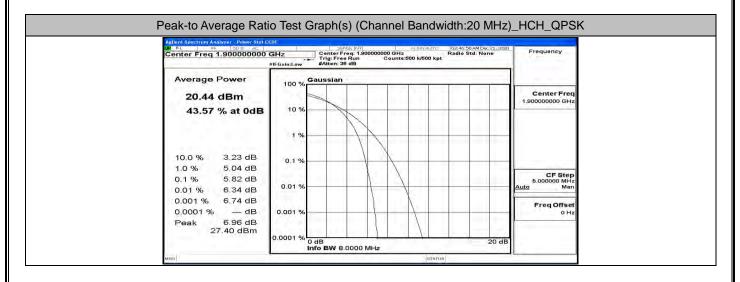


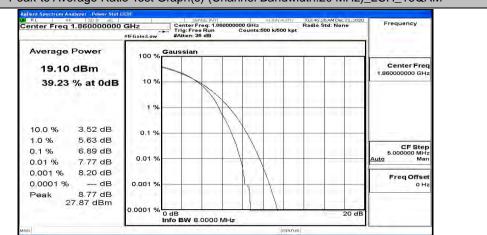


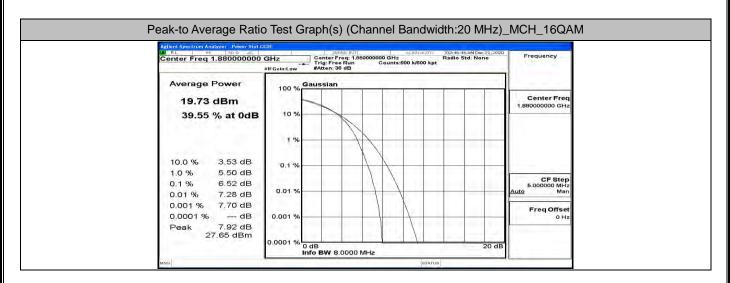


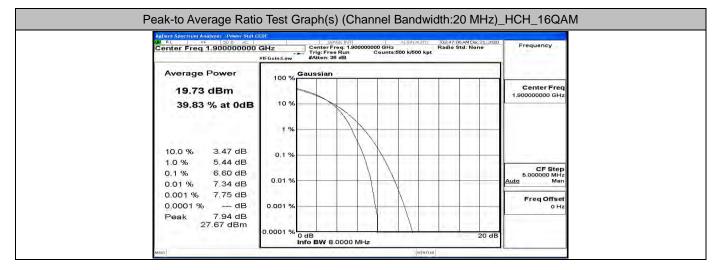












F.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	1.0778	1.289	PASS	
	MCH	1.0776	1.264	PASS	
	HCH	1.0767	1.242	PASS	
16QAM	LCH	1.0808	1.249	PASS	
	MCH	1.0788	1.258	PASS	
	HCH	1.0810	1.243	PASS	

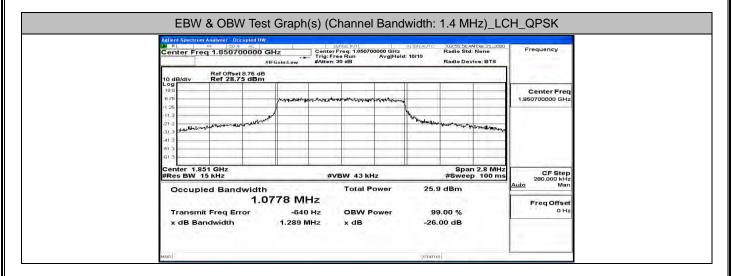
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)	verdict	
QPSK	LCH	2.6911	2.953	PASS	
	MCH	2.6847	2.902	PASS	
	HCH	2.6795	2.893	PASS	
16QAM	LCH	2.6881	2.904	PASS	
	MCH	2.6855	2.900	PASS	
	HCH	2.6823	2.887	PASS	

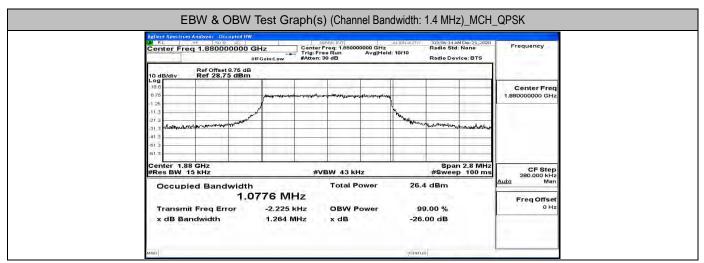
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	4.4808	5.162	PASS	
	MCH	4.4781	4.820	PASS	
	HCH	4.4698	4.842	PASS	
16QAM	LCH	4.4801	4.915	PASS	
	MCH	4.4747	4.800	PASS	
	HCH	4.4730	4.783	PASS	

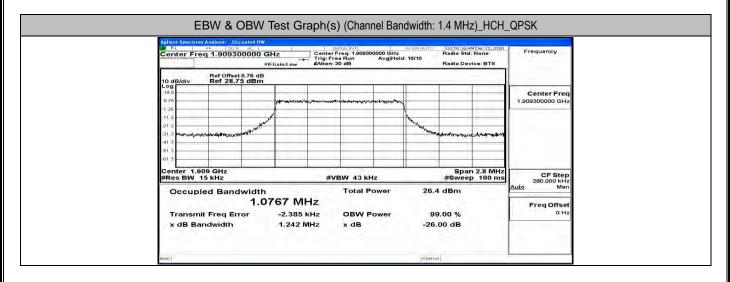
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	8.9428	9.749	PASS	
	MCH	8.9310	9.470	PASS	
	HCH	8.9227	9.435	PASS	
16QAM	LCH	8.9292	9.573	PASS	
	MCH	8.9181	9.492	PASS	
	HCH	8.9018	9.497	PASS	

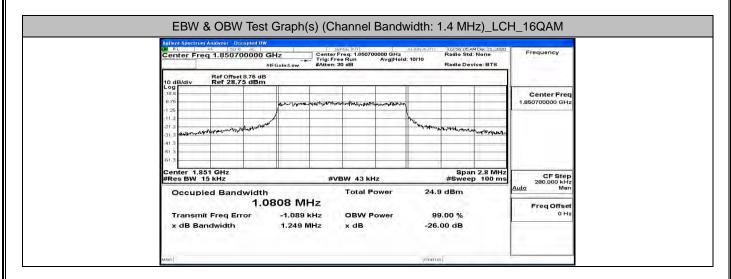
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	13.388	14.35	PASS	
	MCH	13.356	13.94	PASS	
	HCH	13.370	13.98	PASS	
16QAM	LCH	13.389	14.10	PASS	
	MCH	13.367	14.03	PASS	
	HCH	13.360	14.01	PASS	

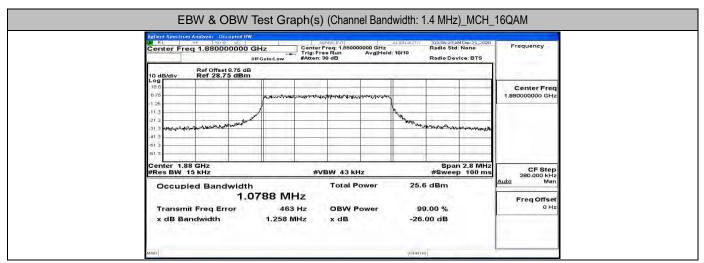
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	17.849	18.79	PASS	
	MCH	17.787	18.55	PASS	
	HCH	17.805	18.53	PASS	
16QAM	LCH	17.858	18.71	PASS	
	MCH	17.787	18.57	PASS	
	HCH	17.792	18.49	PASS	

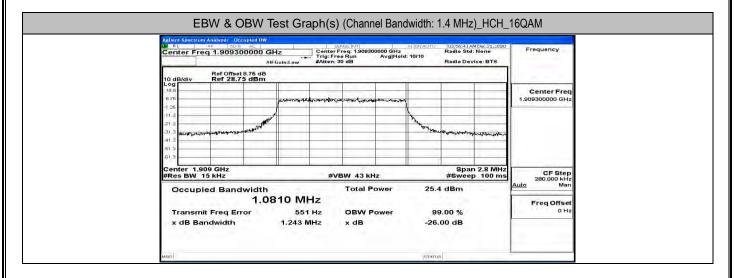


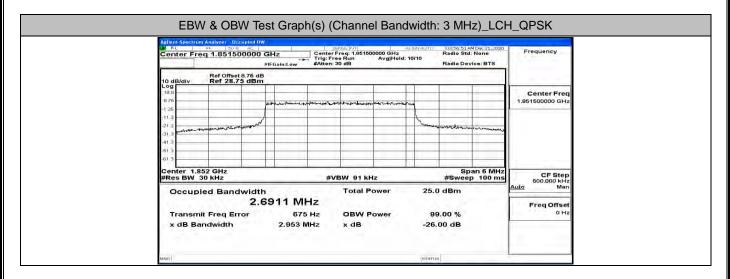


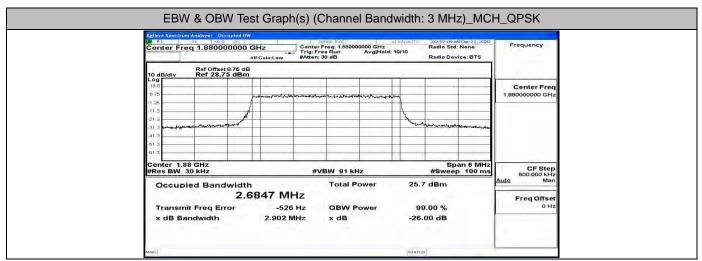


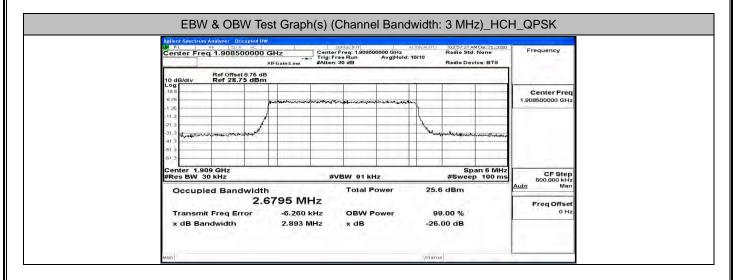


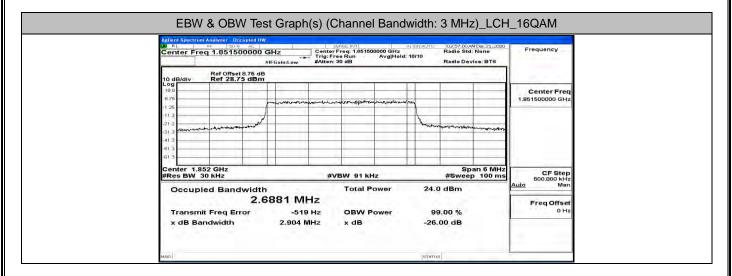


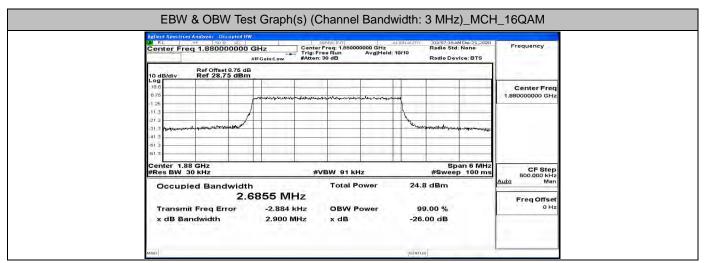


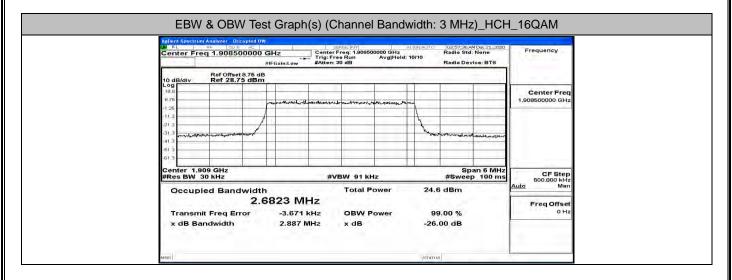


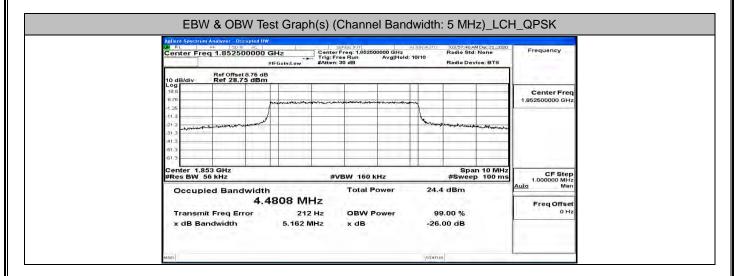


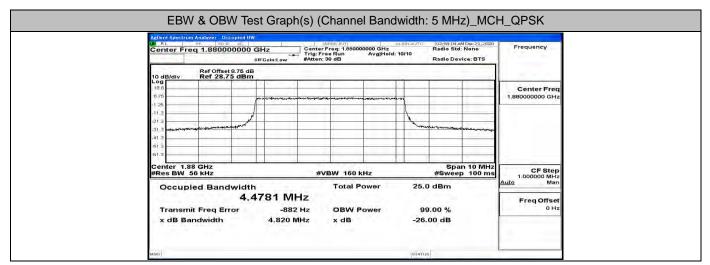


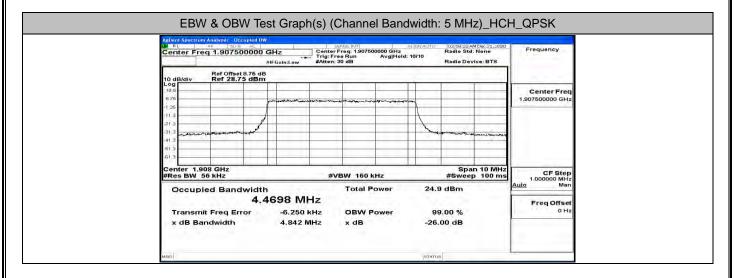


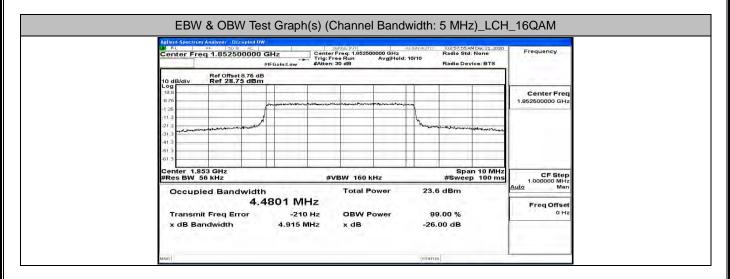


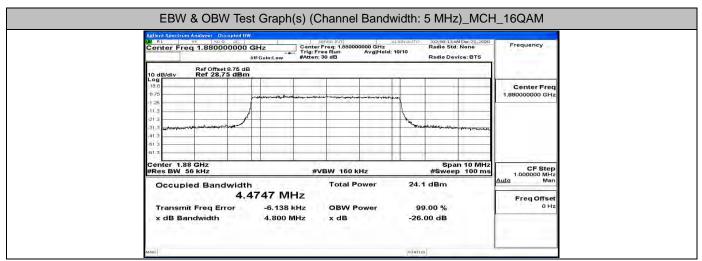


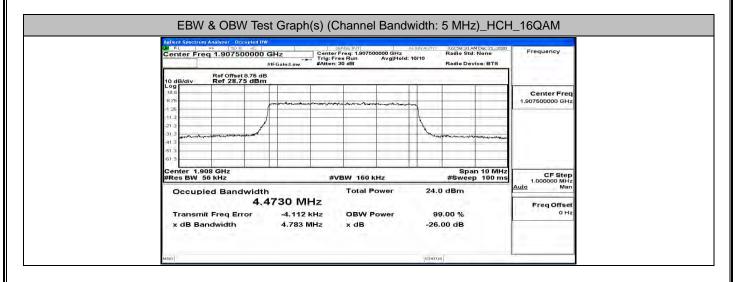


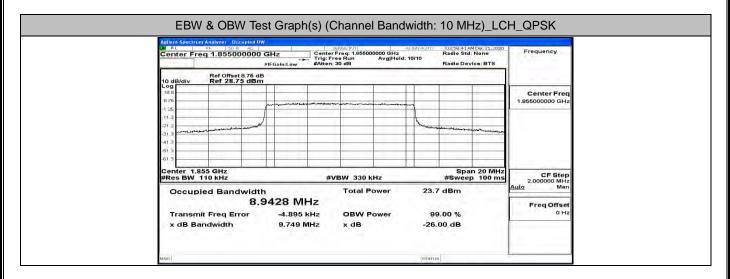


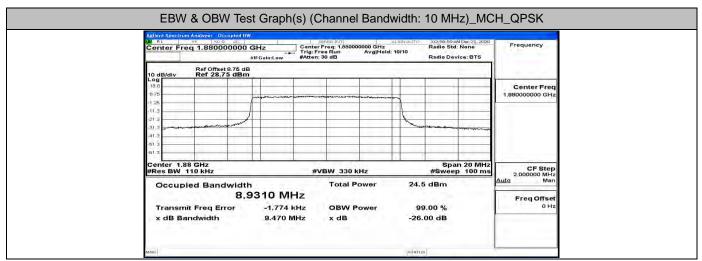


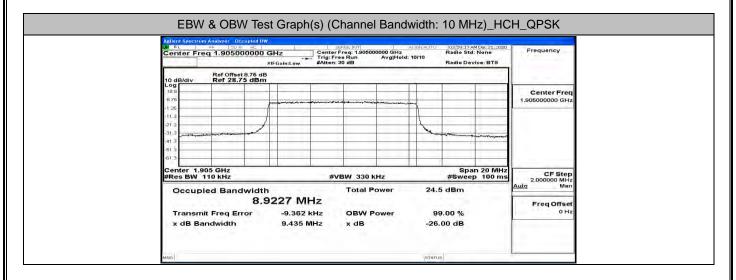


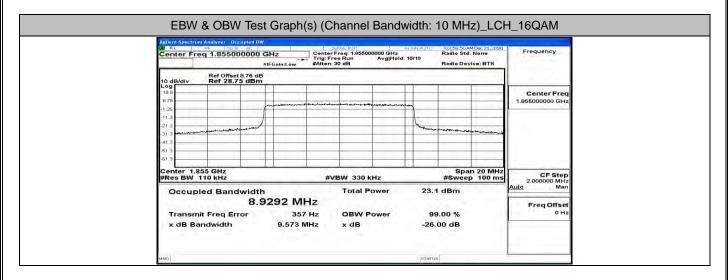


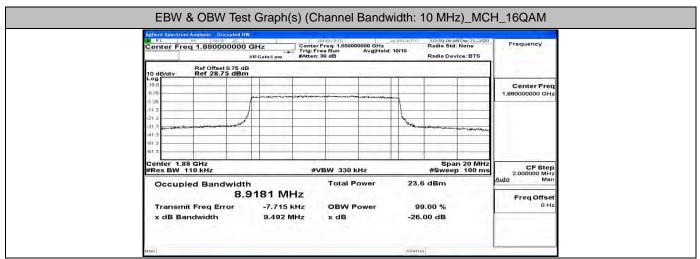


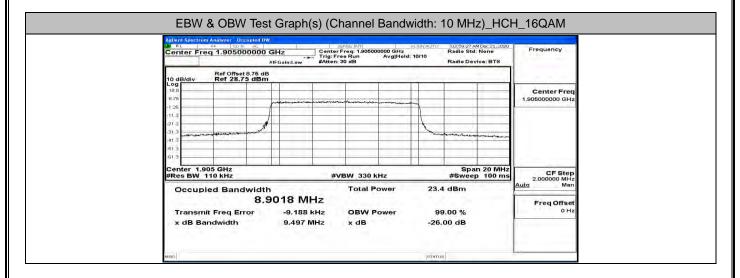


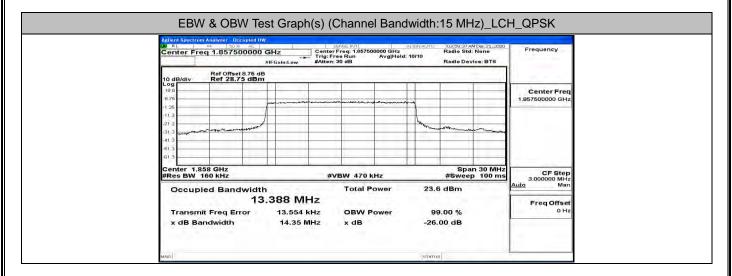


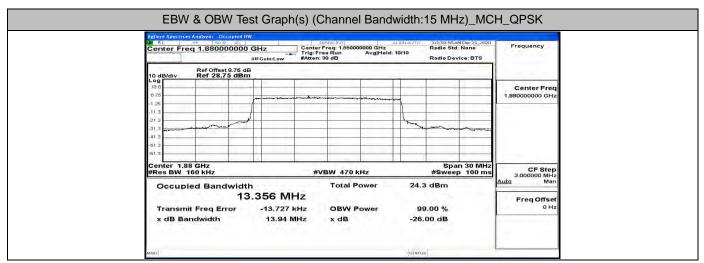


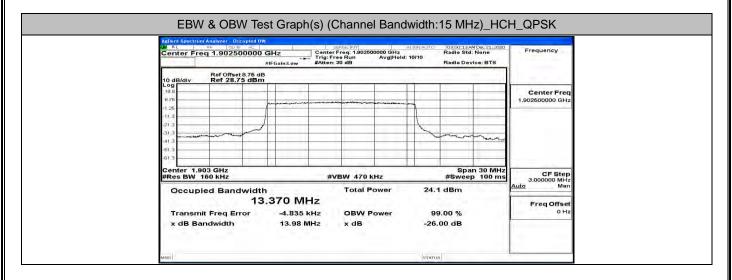


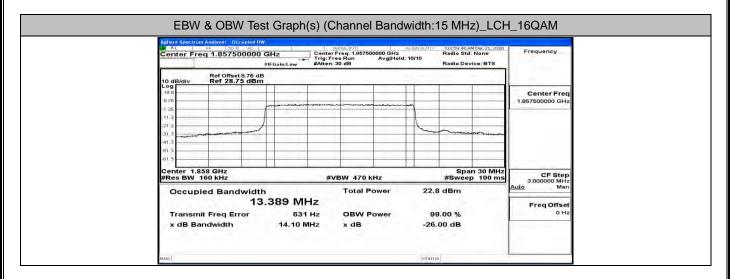


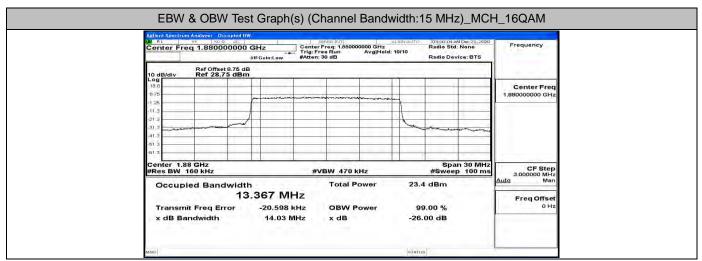


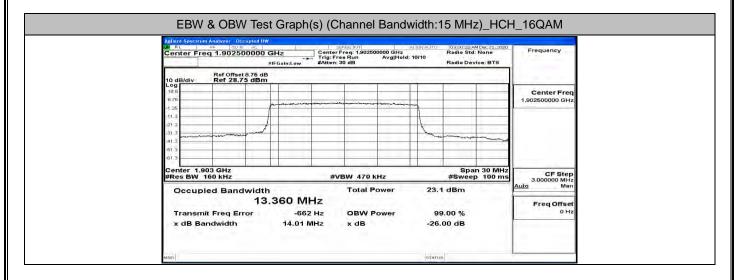


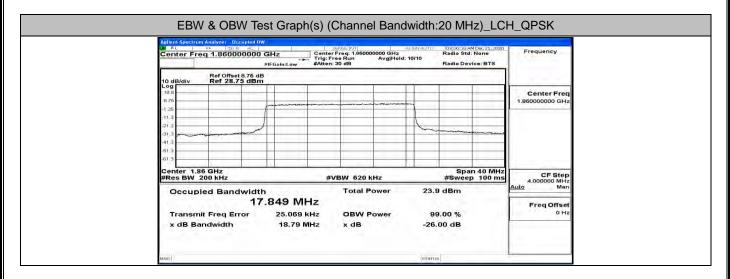


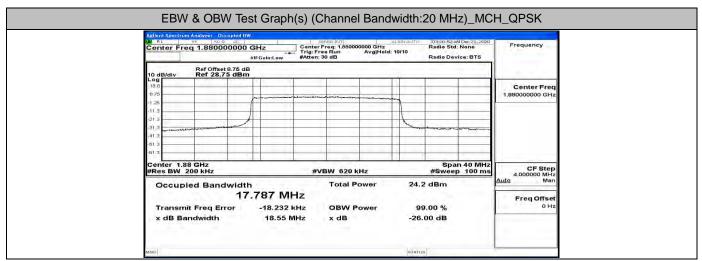


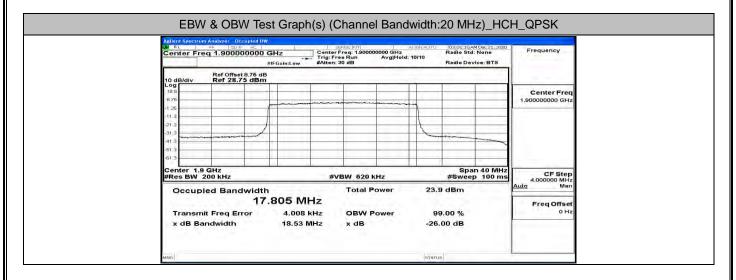


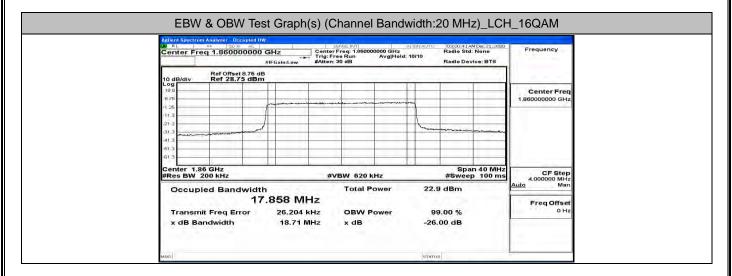


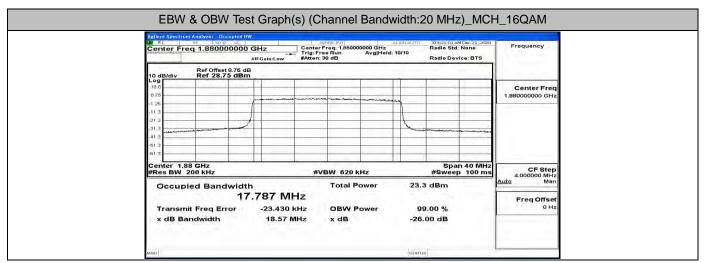


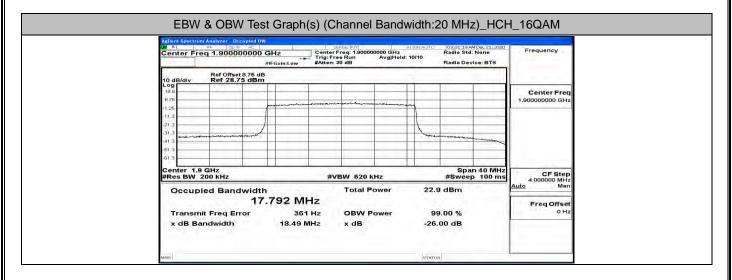




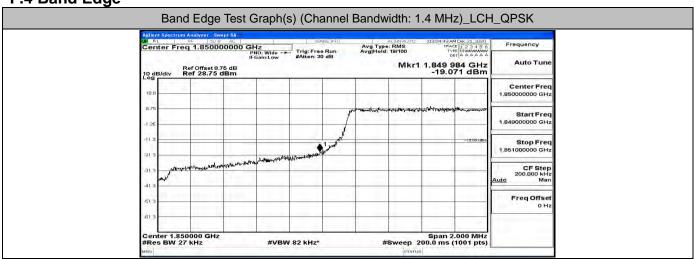


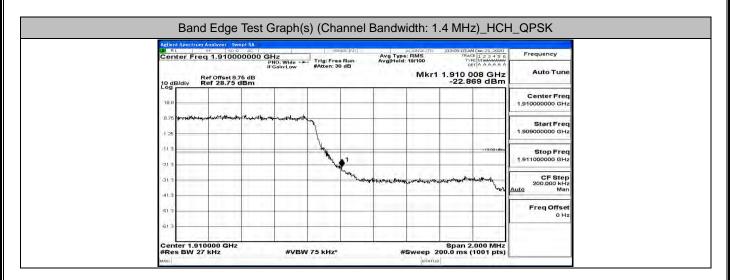


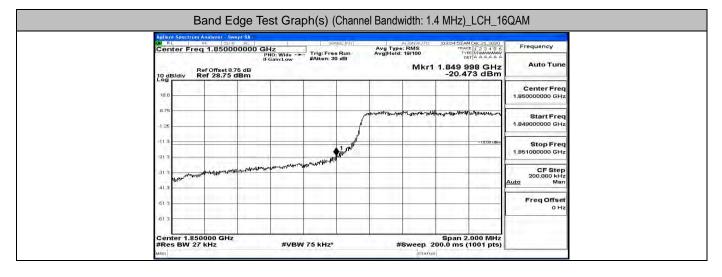


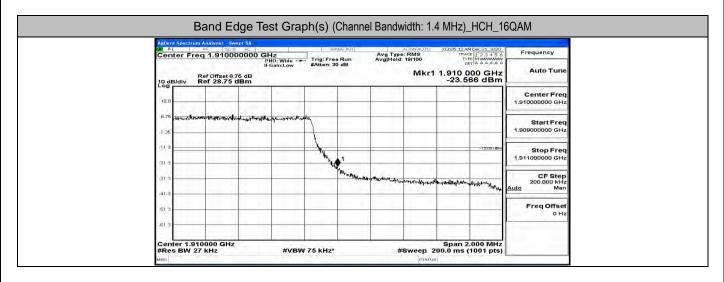


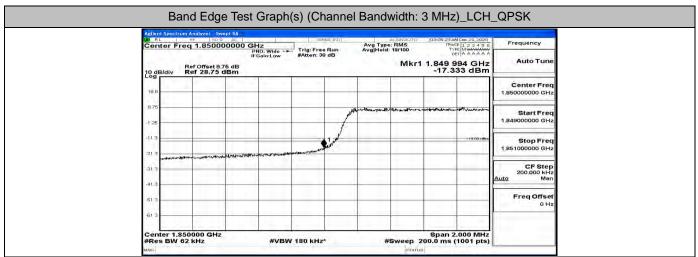
F.4 Band Edge

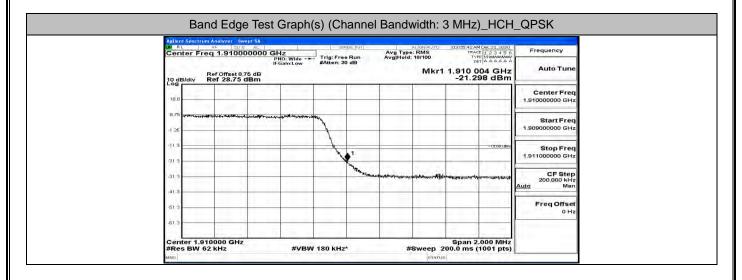


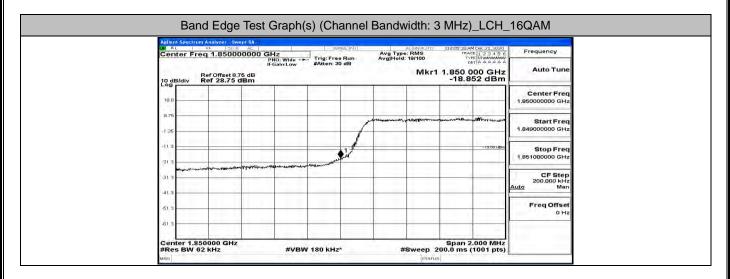


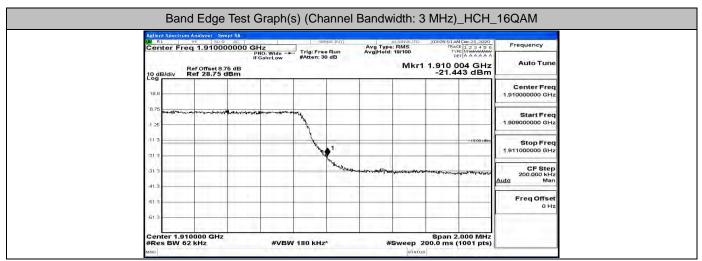


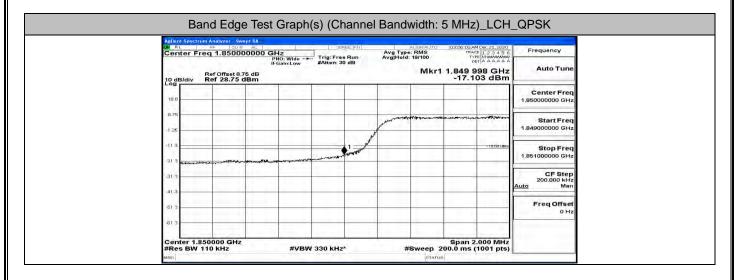


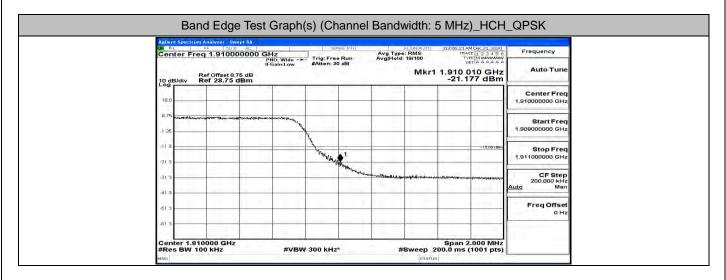


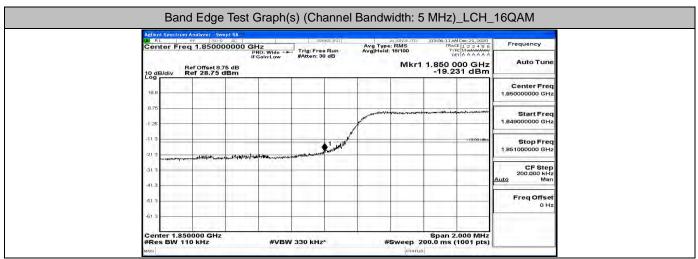


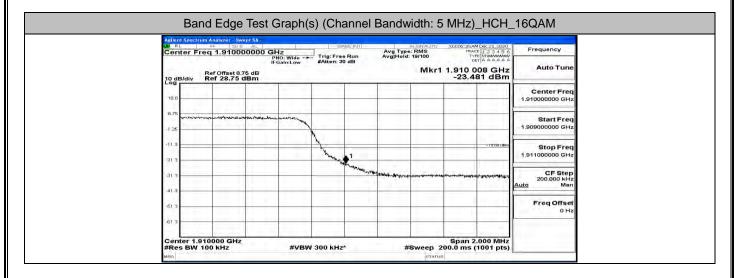










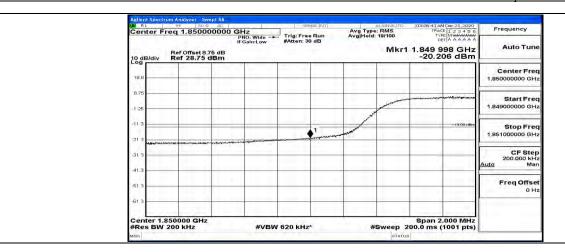


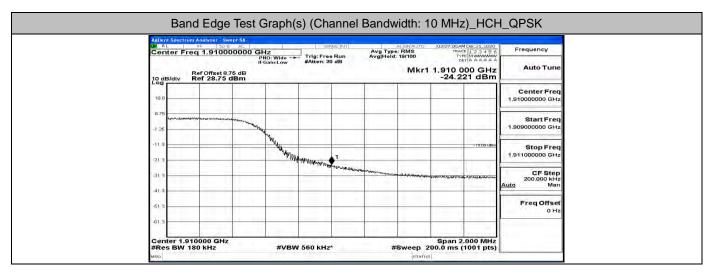
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

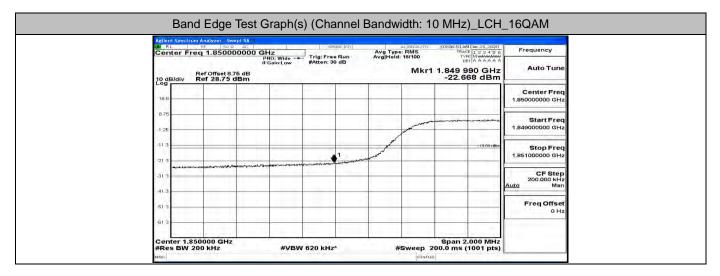
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

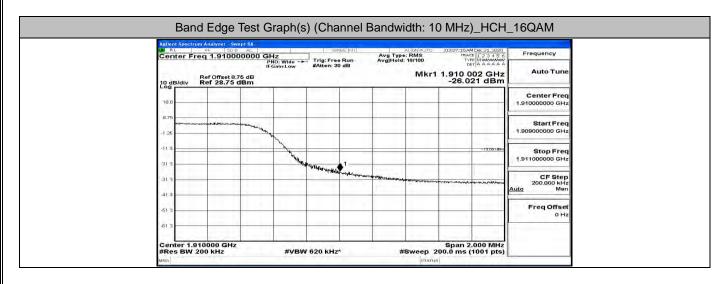
FCC ID: 2AP79-DT1052

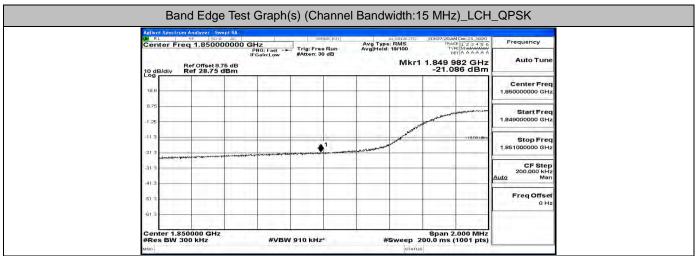
Report No.: LCS201210158AEI

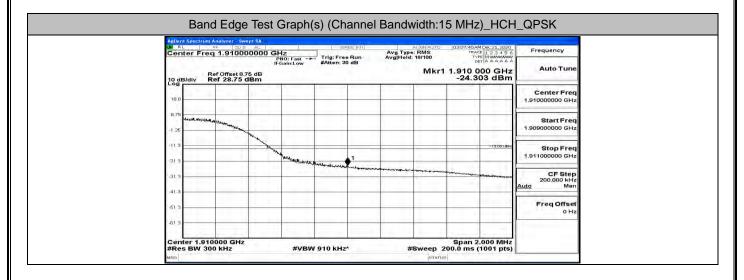


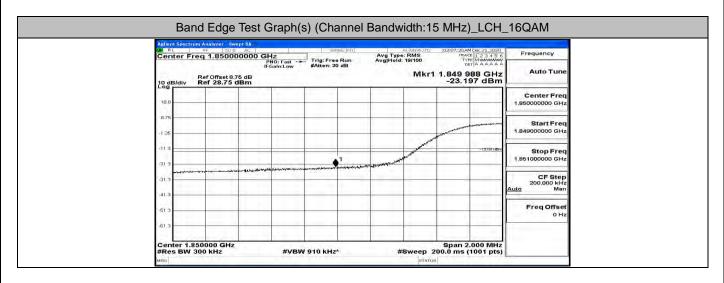


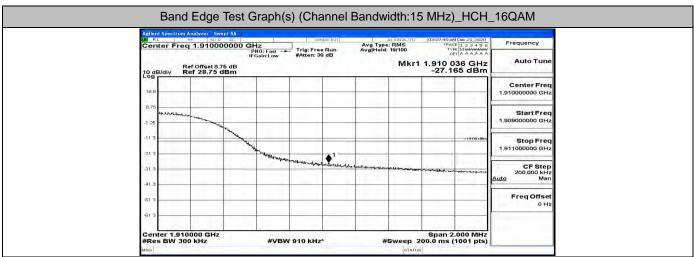


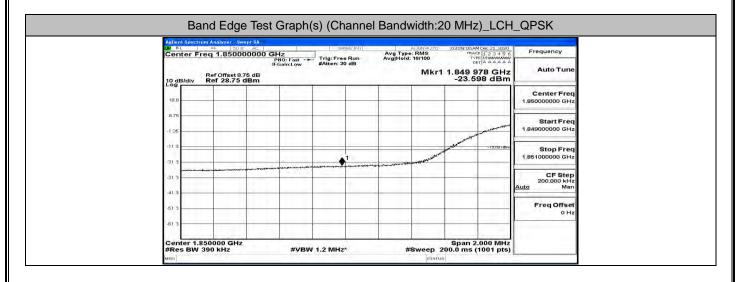


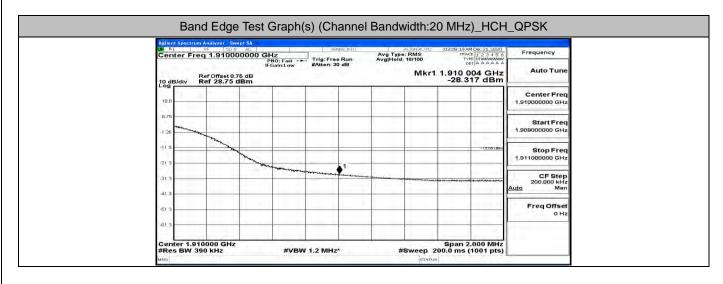


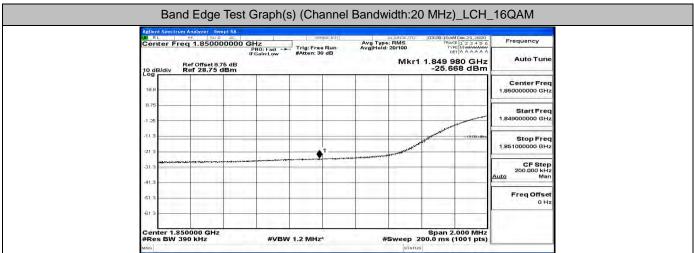


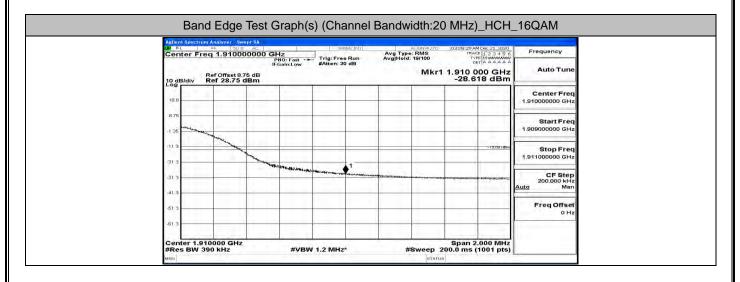








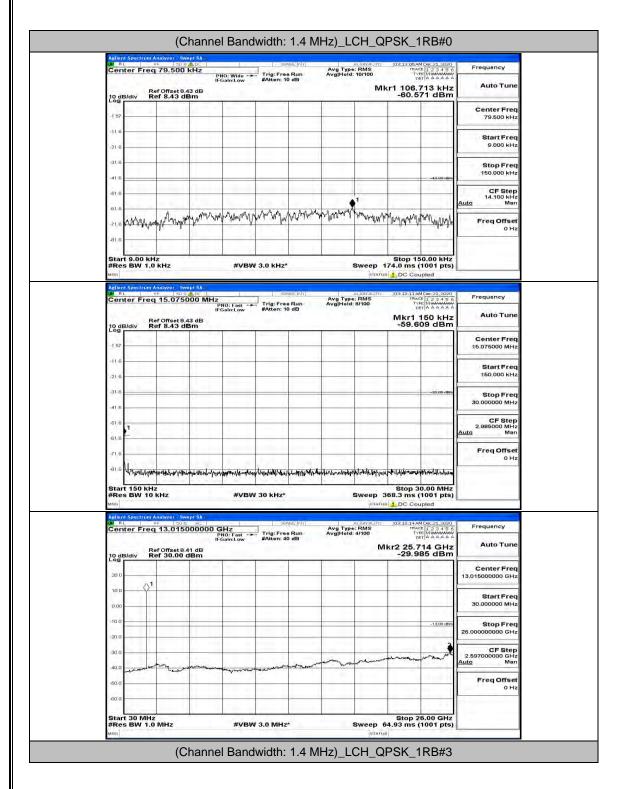


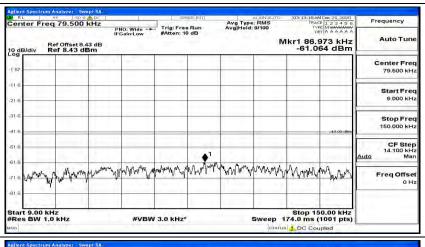


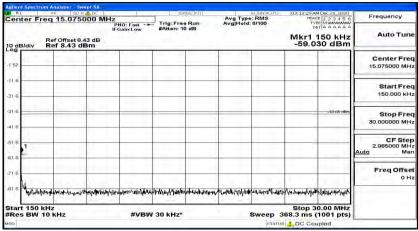
F.5 Conducted Spurious Emission

Test Graphs

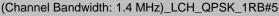
Channel Bandwidth: 1.4 MHz

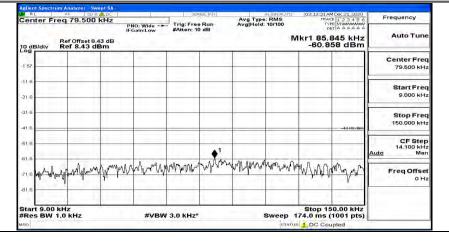


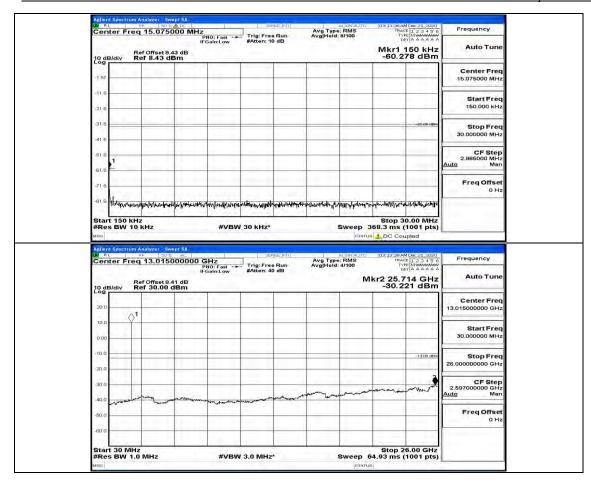


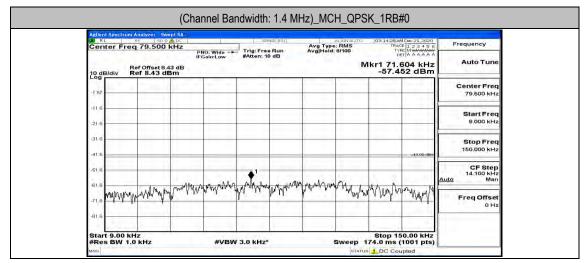












FCC ID: 2AP79-DT1052

Report No.: LCS201210158AEI

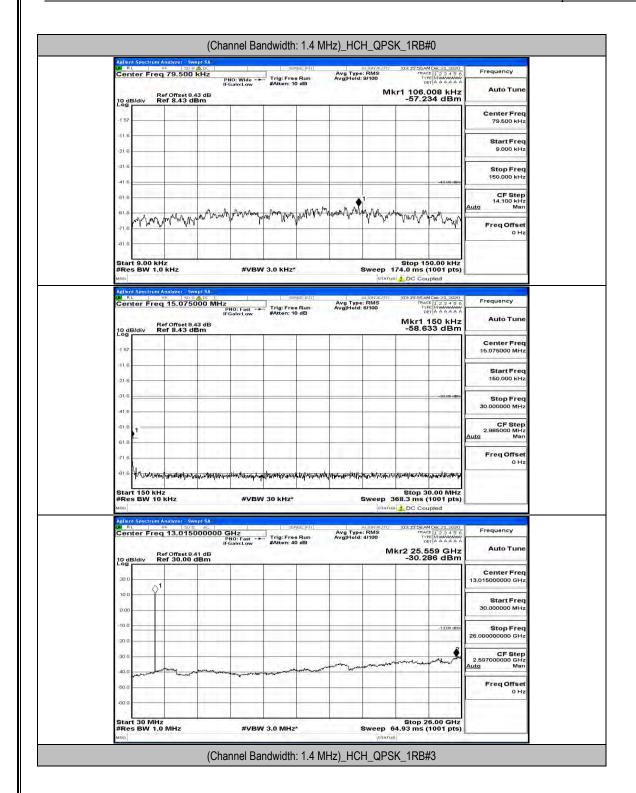
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

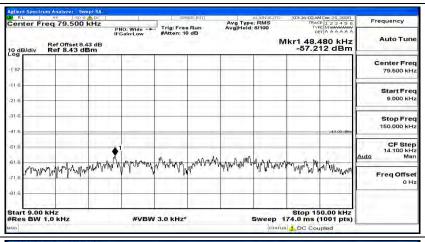
Stop 26.00 GHz Sweep 64.93 ms (1001 pts)

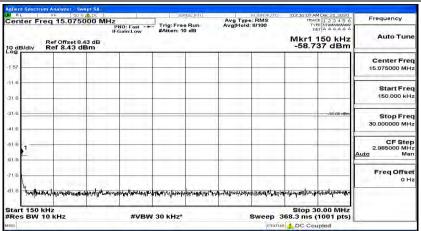
Start 30 MHz #Res BW 1.0 MHz

#VBW 3.0 MHz*

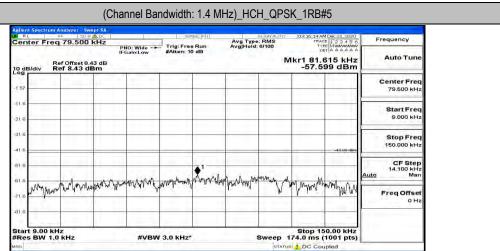
Freq Offset

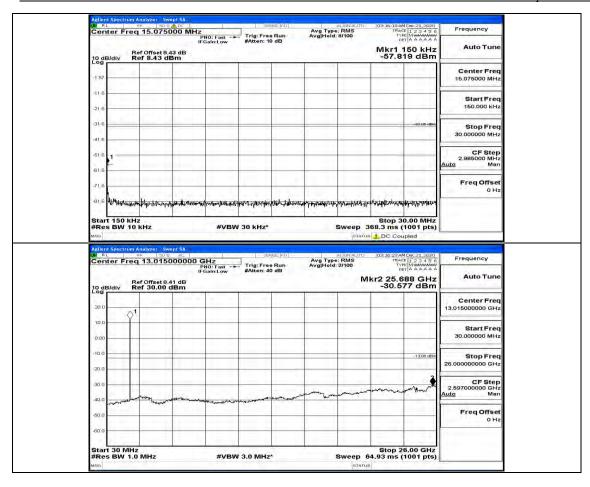


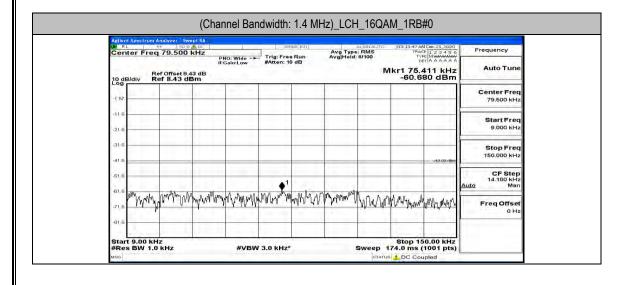


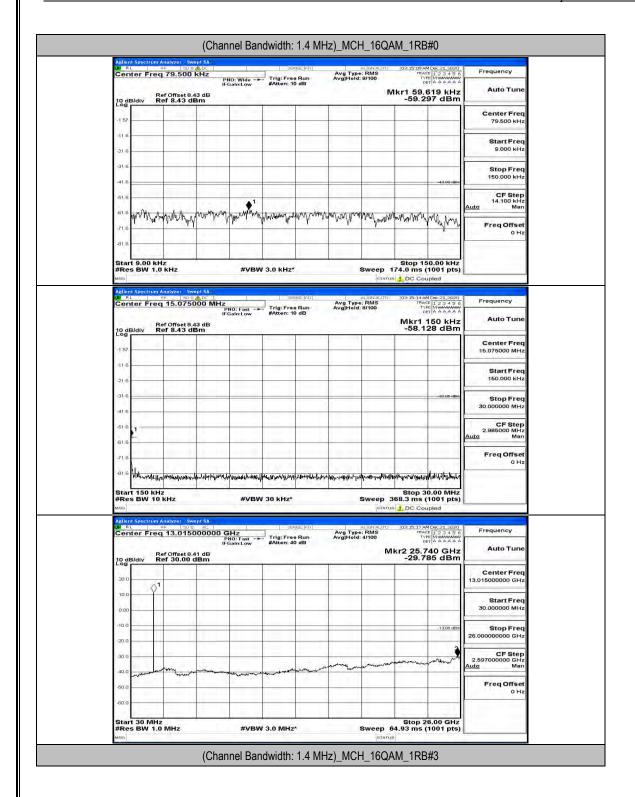


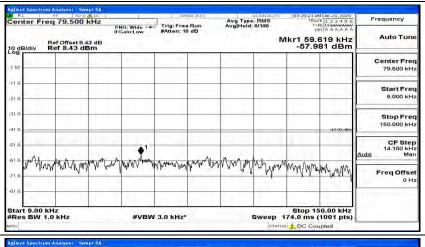


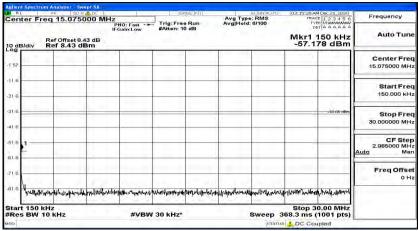


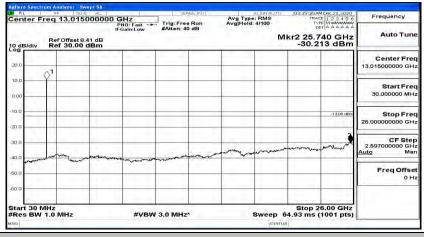


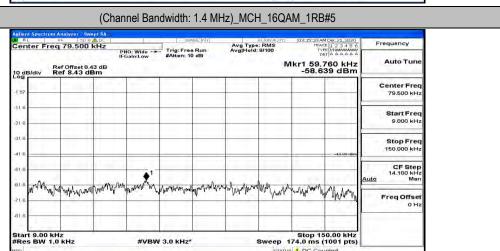


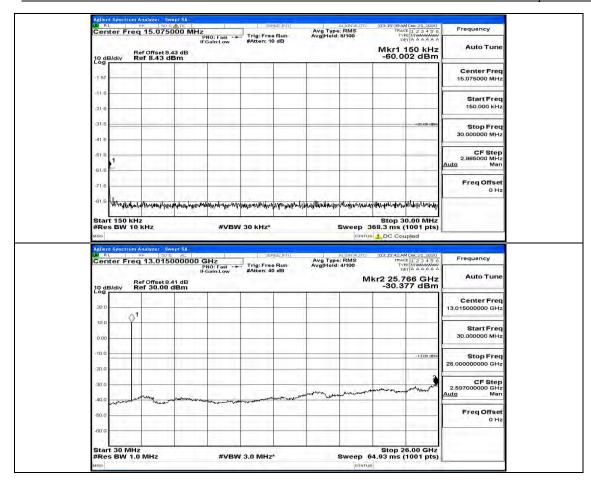


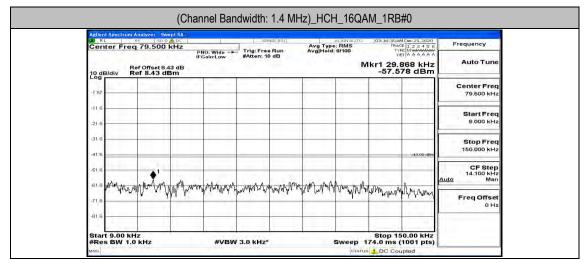










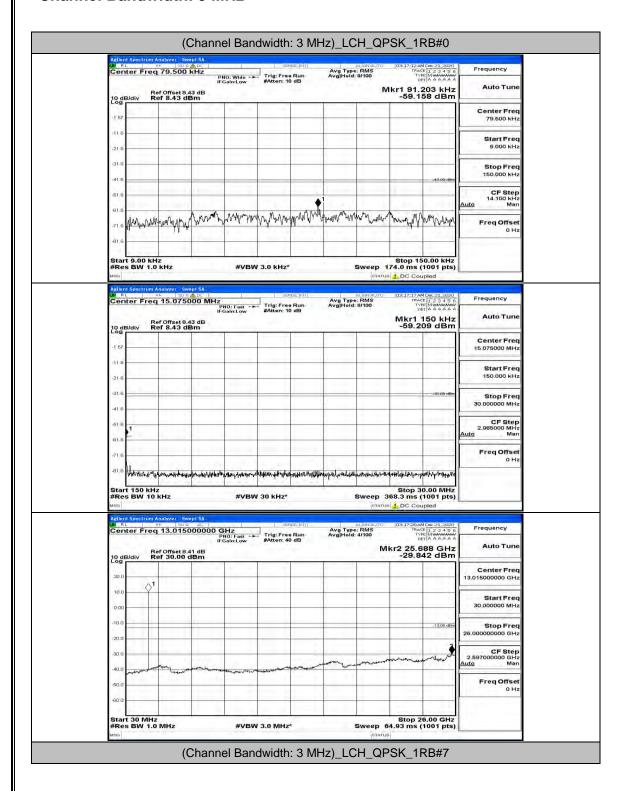


FCC ID: 2AP79-DT1052

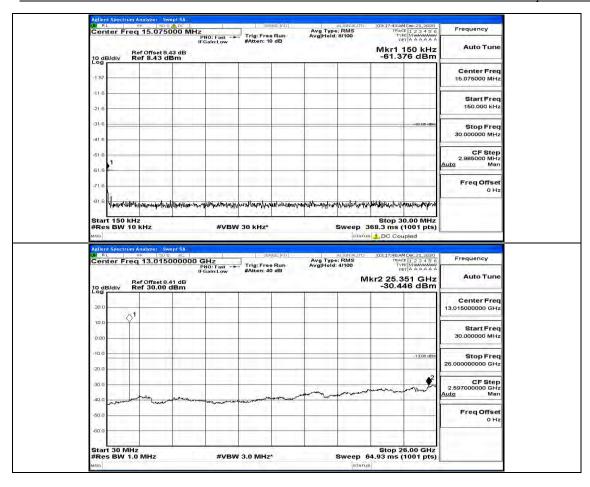
Report No.: LCS201210158AEI

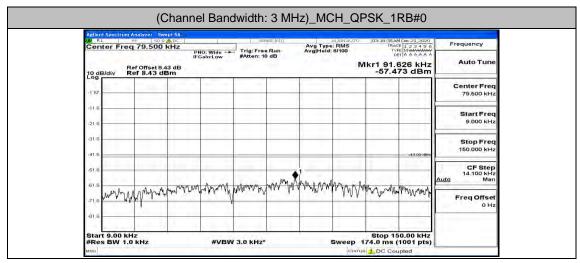
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

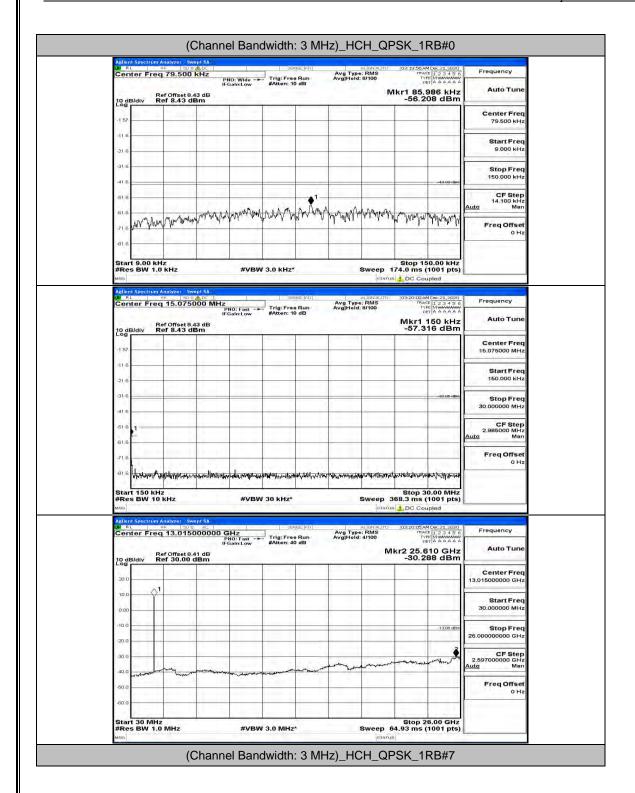
Channel Bandwidth: 3 MHz



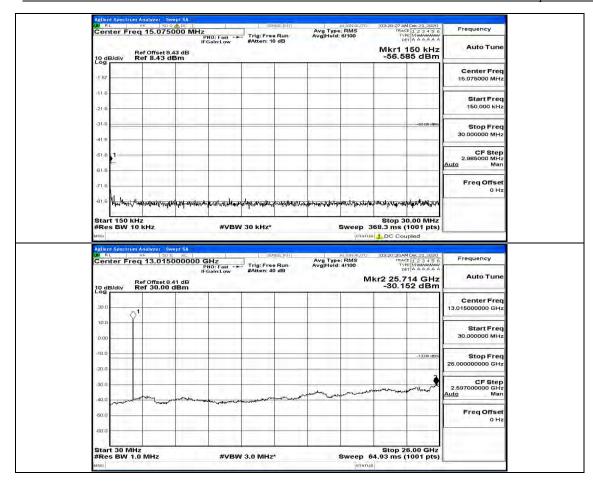
Start 9.00 kHz #Res BW 1.0 kHz

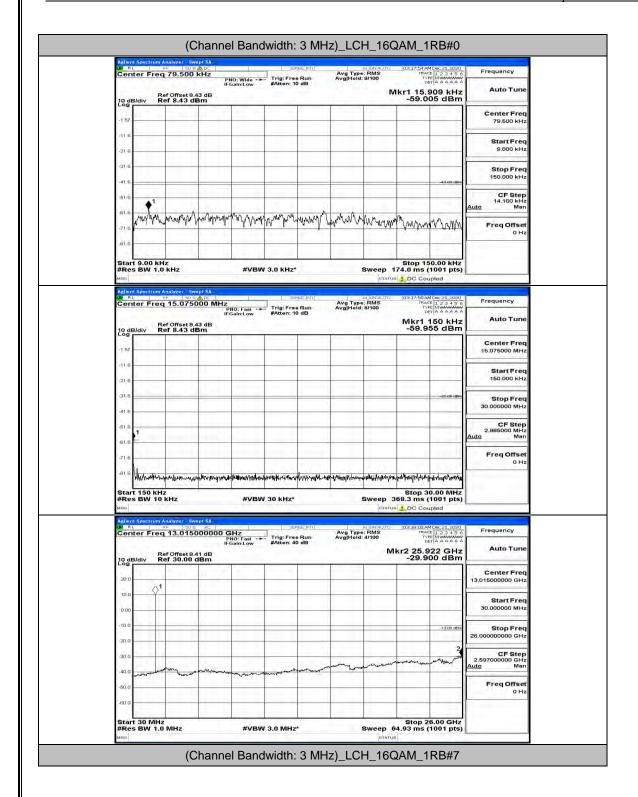




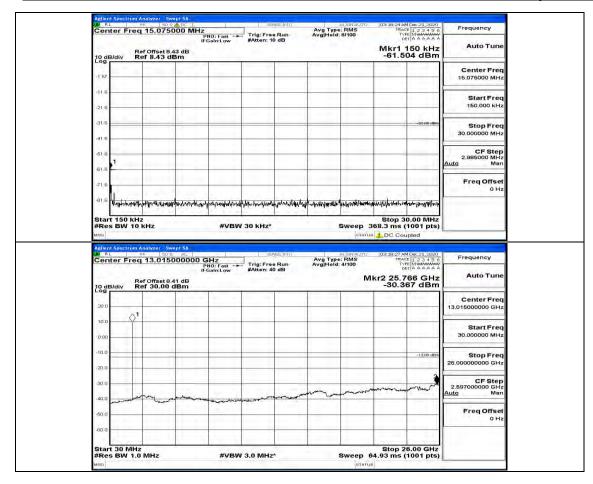


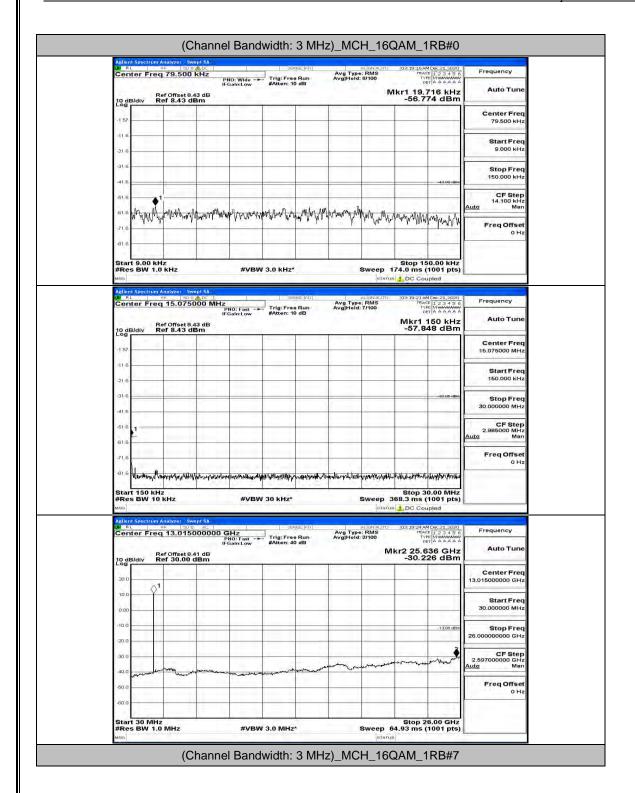
Start 9.00 kHz #Res BW 1.0 kHz





Start 9.00 kHz #Res BW 1.0 kHz





Start 9.00 kHz #Res BW 1.0 kHz

