Appendix E: Test Data for E-UTRA Band 4

Product Name: Tablet pc Trade Mark: N/A **Test Model: 10LA1**

Environmental Conditions

Temperature:	24.2° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Li Huan

E.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 nali a4		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	23.53	22.89	PASS		
		1	3	23.57	22.94	PASS		
		1	5	23.34	22.70	PASS		
	LCH	3	0	23.60	22.57	PASS		
		3	2	23.49	22.51	PASS		
		3	3	23.44	22.46	PASS		
		6	0	22.52	21.48	PASS		
		1	0	23.67	22.85	PASS		
		1	3	23.84	23.02	PASS		
QPSK /		1	5	23.70	22.89	PASS		
16QAM	MCH	3	0	23.68	22.57	PASS		
TOQAIVI		3	2	23.72	22.66	PASS		
		3	3	23.68	22.62	PASS		
		6	0	22.84	21.63	PASS		
		1	0	19.45	18.86	PASS		
		1	3	19.57	18.98	PASS		
		1	5	19.51	18.93	PASS		
	HCH	3	0	19.57	18.58	PASS		
		3	2	19.56	18.63	PASS		
		3	3	19.58	18.62	PASS		
		6	0	18.58	17.48	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a nali at		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	23.50	22.75	PASS		
		1	7	23.46	22.72	PASS		
		1	14	22.97	22.25	PASS		
	LCH	8	0	22.47	21.49	PASS		
		8	4	22.34	21.36	PASS		
		8	7	22.19	21.18	PASS		
		15	0	22.33	21.24	PASS		
		1	0	23.62	22.77	PASS		
	МСН	1	7	23.95	23.09	PASS		
QPSK /		1	14	23.68	22.87	PASS		
16QAM		8	0	22.73	21.61	PASS		
TOQAIVI		8	4	22.83	21.65	PASS		
		8	7	22.77	21.60	PASS		
		15	0	22.62	21.58	PASS		
		1	0	19.49	18.78	PASS		
		1	7	19.79	19.02	PASS		
		1	14	19.54	18.83	PASS		
	HCH	8	0	18.50	17.44	PASS		
		8	4	18.53	17.46	PASS		
		8	7	18.59	17.47	PASS		
		15	0	18.48	17.46	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiat			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	23.50	22.72	PASS			
		1	12	23.32	22.47	PASS			
		1	24	22.60	21.89	PASS			
	LCH	12	0	22.27	21.36	PASS			
		12	6	22.17	21.19	PASS			
		12	13	21.88	20.90	PASS			
		25	0	22.14	21.09	PASS			
		1	0	23.39	22.43	PASS			
		1	12	23.93	22.95	PASS			
ODCK /		1	24	23.49	22.62	PASS			
QPSK / 16QAM	MCH	12	0	22.53	21.59	PASS			
TOQAW		12	6	22.66	21.71	PASS			
		12	13	22.61	21.61	PASS			
		25	0	22.56	21.49	PASS			
		1	0	19.52	18.74	PASS			
		1	12	19.75	18.91	PASS			
		1	24	19.50	18.72	PASS			
	HCH	12	0	18.42	17.43	PASS			
		12	6	18.51	17.54	PASS			
		12	13	18.53	17.51	PASS			
		25	0	18.51	17.55	PASS			

	Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/andiat			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	23.40	22.67	PASS			
		1	24	22.73	21.99	PASS			
		1	49	22.08	21.36	PASS			
	LCH	25	0	22.09	21.07	PASS			
		25	12	21.66	20.65	PASS			
		25	25	21.48	20.46	PASS			
		50	0	21.76	20.75	PASS			
		1	0	23.03	22.19	PASS			
	мсн	1	24	23.76	22.97	PASS			
QPSK /		1	49	23.04	22.29	PASS			
16QAM		25	0	22.38	21.34	PASS			
TOQAIVI		25	12	22.56	21.51	PASS			
		25	25	22.42	21.40	PASS			
		50	0	22.36	21.34	PASS			
		1	0	20.26	19.55	PASS			
		1	24	19.70	19.02	PASS			
		1	49	19.46	18.77	PASS			
	HCH	25	0	18.96	17.93	PASS			
		25	12	18.64	17.63	PASS			
		25	25	18.65	17.63	PASS			
		50	0	18.76	17.77	PASS			

	Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/andiat			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	23.26	22.51	PASS			
		1	37	22.41	21.61	PASS			
		1	74	22.23	21.42	PASS			
	LCH	37	0	21.80	20.79	PASS			
		37	18	21.41	20.38	PASS			
		37	38	21.42	20.33	PASS			
		75	0	21.61	20.55	PASS			
		1	0	22.62	21.59	PASS			
	мсн	1	37	23.99	22.91	PASS			
QPSK /		1	74	22.30	21.47	PASS			
16QAM		37	0	22.35	21.25	PASS			
TOQAIVI		37	18	22.69	21.60	PASS			
		37	38	22.38	21.25	PASS			
		75	0	22.40	21.21	PASS			
		1	0	21.67	20.84	PASS			
		1	37	20.09	19.34	PASS			
		1	74	19.43	18.75	PASS			
	HCH	37	0	20.08	19.05	PASS			
		37	18	19.11	18.11	PASS			
		37	38	18.69	17.63	PASS			
		75	0	19.43	18.40	PASS			

	Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a ==li =4		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	23.14	22.32	PASS		
		1	49	22.37	21.51	PASS		
		1	99	23.00	22.03	PASS		
	LCH	50	0	21.45	20.38	PASS		
		50	25	21.30	20.25	PASS		
		50	50	21.62	20.56	PASS		
		100	0	21.60	20.55	PASS		
		1	0	22.12	21.34	PASS		
	МСН	1	49	23.87	23.02	PASS		
QPSK /		1	99	21.31	20.61	PASS		
16QAM		50	0	21.99	20.97	PASS		
TOQAW		50	25	22.42	21.41	PASS		
		50	50	21.83	20.85	PASS		
		100	0	21.92	20.84	PASS		
		1	0	22.93	22.11	PASS		
		1	49	20.50	19.81	PASS		
		1	99	19.11	18.47	PASS		
	HCH	50	0	21.31	20.31	PASS		
		50	25	19.75	18.73	PASS		
		50	50	18.89	17.84	PASS		
		100	0	20.36	19.33	PASS		

E.2 Peak-to-Average Ratio

	Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict			
	LCH	4.94	<13	PASS			
QPSK	MCH	4.02	<13	PASS			
	HCH	5.25	<13	PASS			
	LCH	5.88	<13	PASS			
16QAM	MCH	4.98	<13	PASS			
	HCH	6.17	<13	PASS			

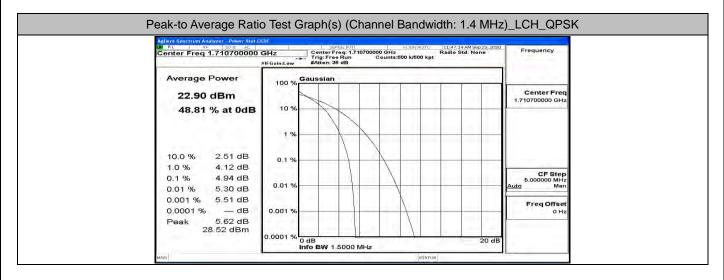
	Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Channel	[dB]	[dB]	verdict			
	LCH	5.19	<13	PASS			
QPSK	MCH	4.41	<13	PASS			
	HCH	5.45	<13	PASS			
16QAM	LCH	6.1	<13	PASS			
	MCH	5.25	<13	PASS			
	HCH	6.28	<13	PASS			

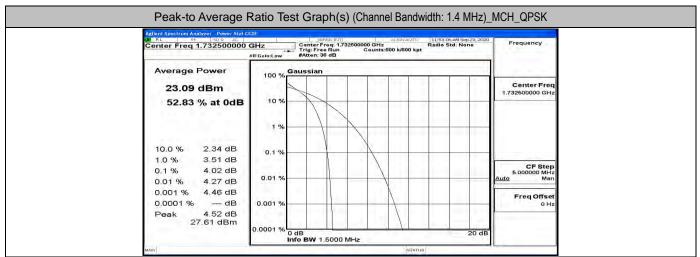
	Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Griannei	[dB]	[dB]	verdict			
	LCH	5.27	<13	PASS			
QPSK	MCH	4.39	<13	PASS			
	HCH	5.54	<13	PASS			
	LCH	6	<13	PASS			
16QAM	MCH	5.24	<13	PASS			
	HCH	6.29	<13	PASS			

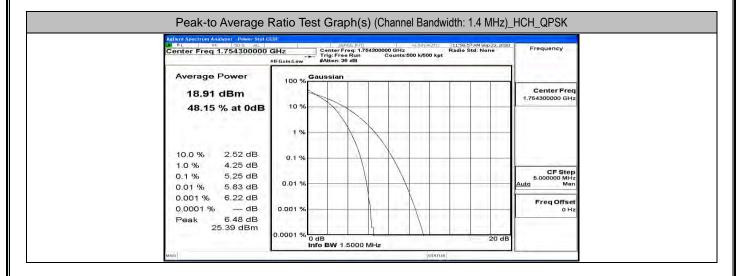
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	5.43	<13	PASS		
QPSK	MCH	4.57	<13	PASS		
	HCH	5.57	<13	PASS		
	LCH	6.15	<13	PASS		
16QAM	MCH	5.39	<13	PASS		
	HCH	6.31	<13	PASS		

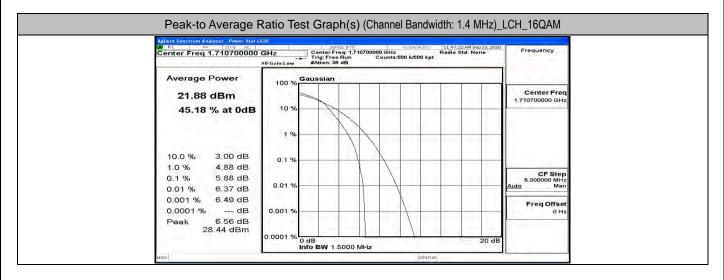
	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Charmer	[dB]	[dB]	verdict			
	LCH	5.12	<13	PASS			
QPSK	MCH	4.89	<13	PASS			
	HCH	5.11	<13	PASS			
	LCH	6.27	<13	PASS			
16QAM	MCH	5.96	<13	PASS			
	HCH	6.22	<13	PASS			

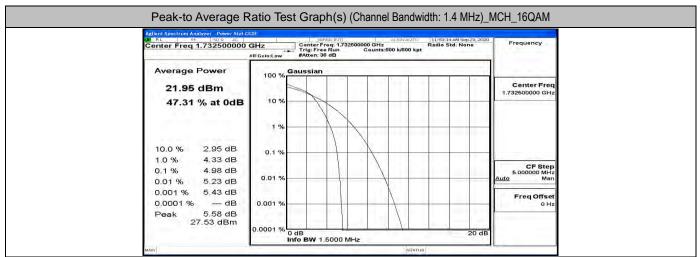
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
Modulation		[dB]	[dB]		
QPSK	LCH	5.84	<13	PASS	
	MCH	5.73	<13	PASS	
	HCH	5.84	<13	PASS	
16QAM	LCH	6.81	<13	PASS	
	MCH	6.54	<13	PASS	
	HCH	6.69	<13	PASS	

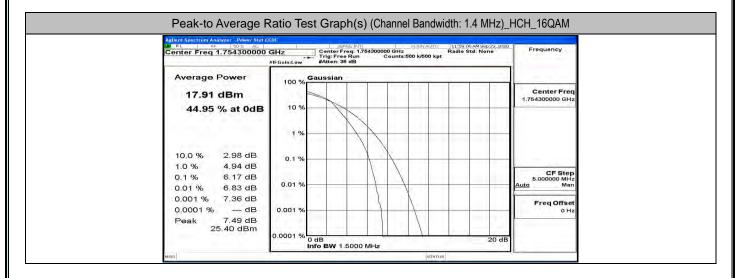


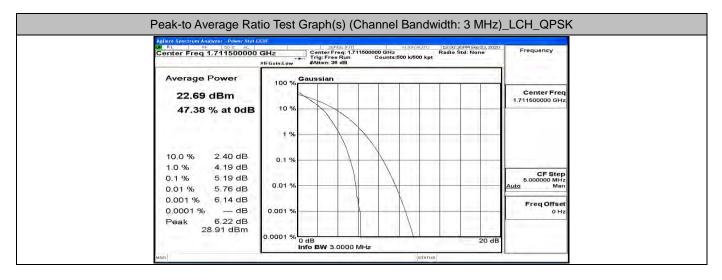


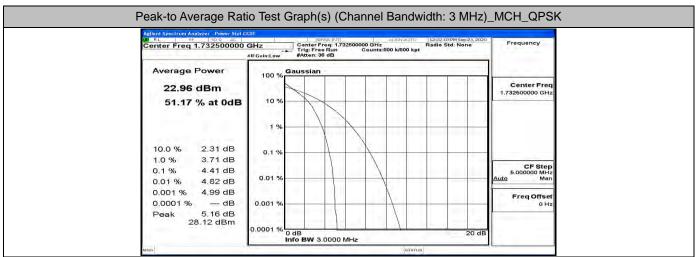


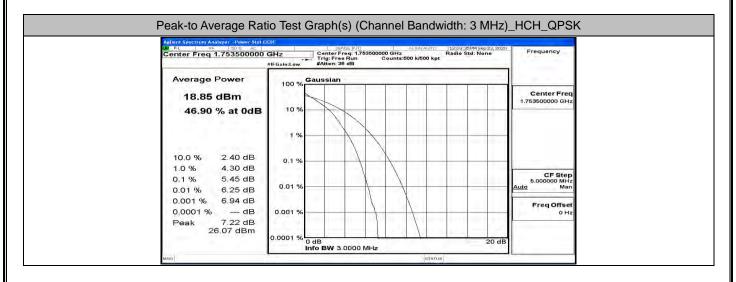


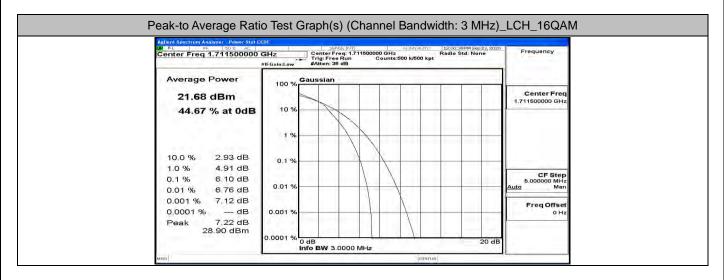


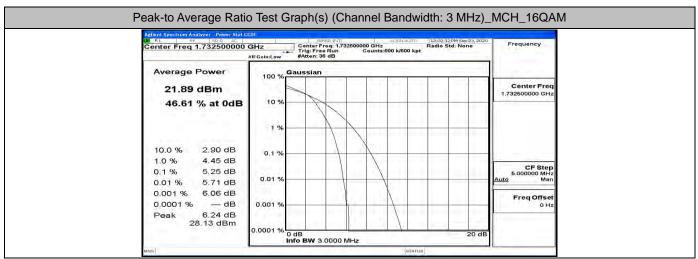


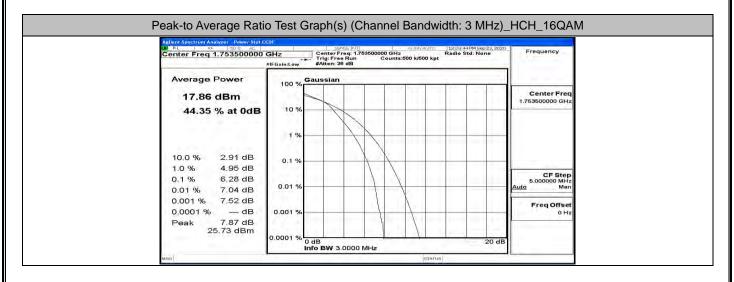


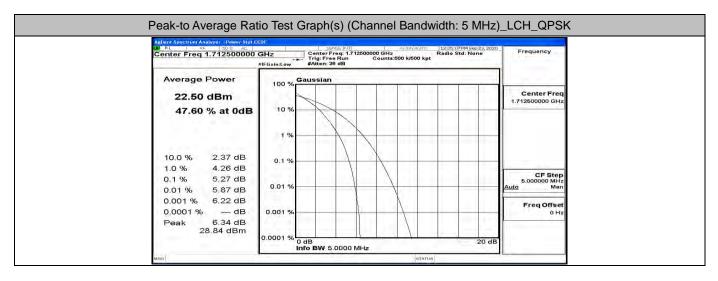


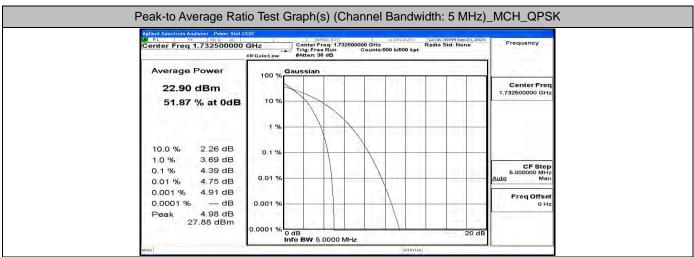


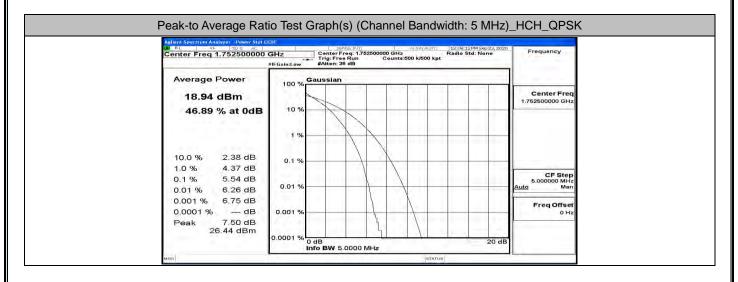


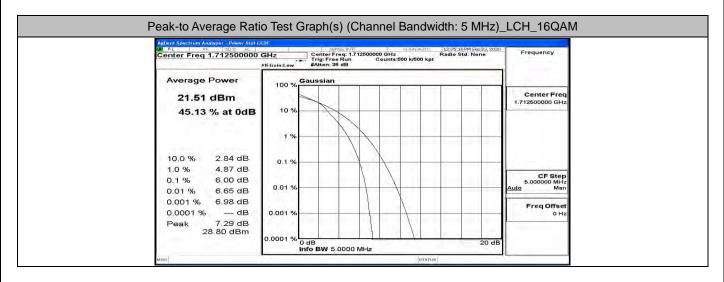


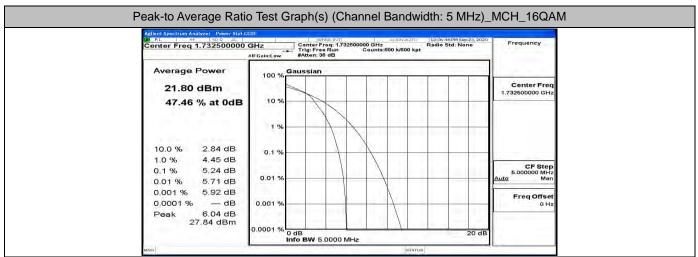


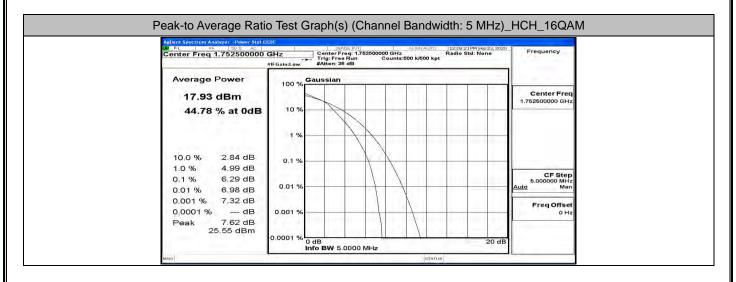


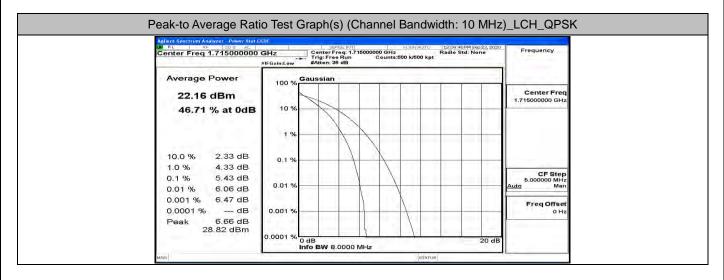


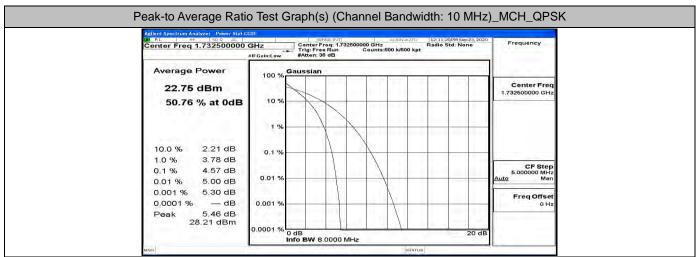


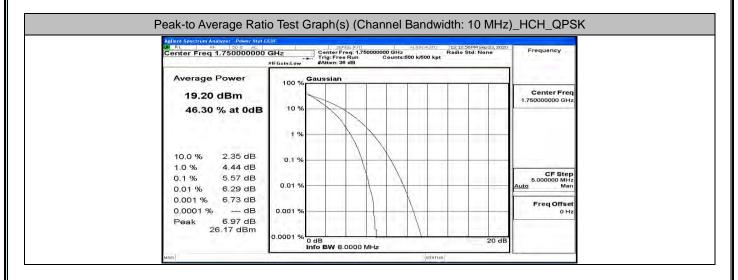


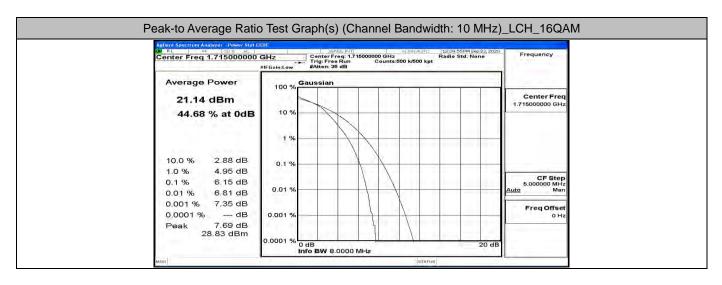


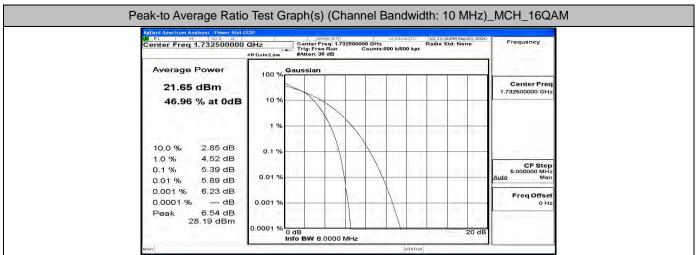


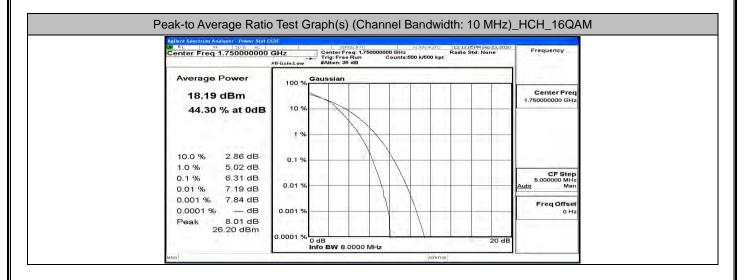


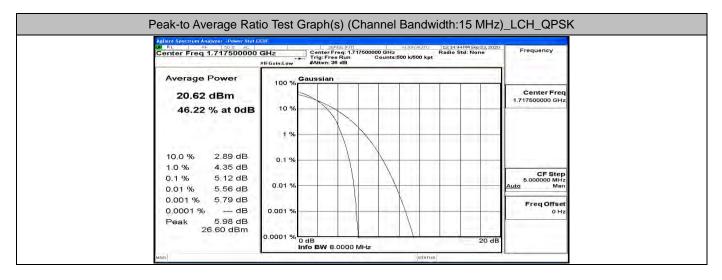


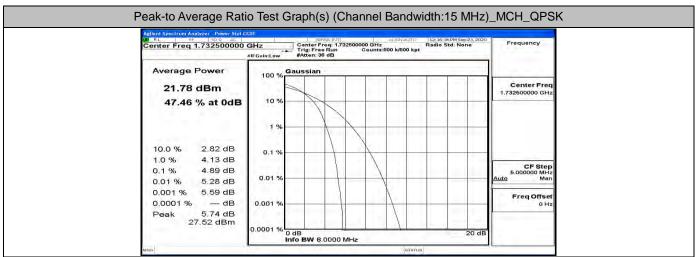


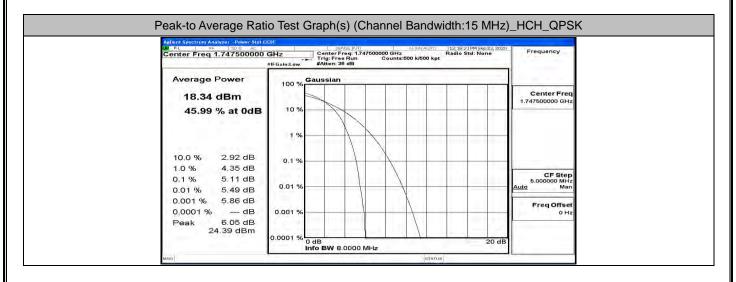


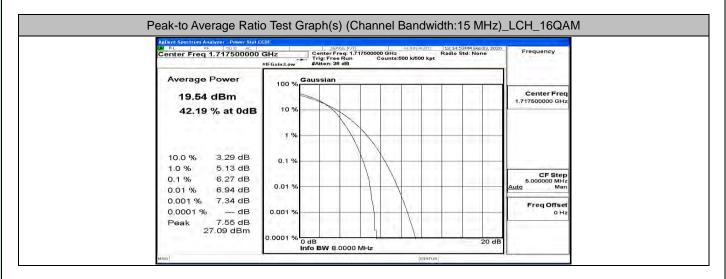


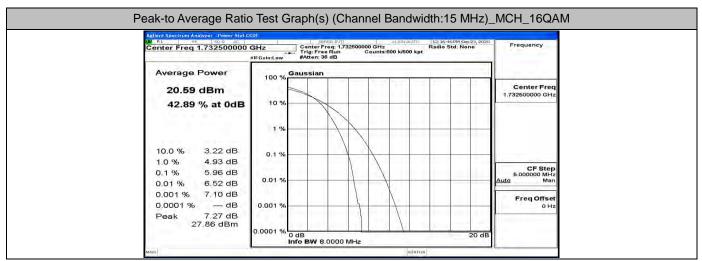


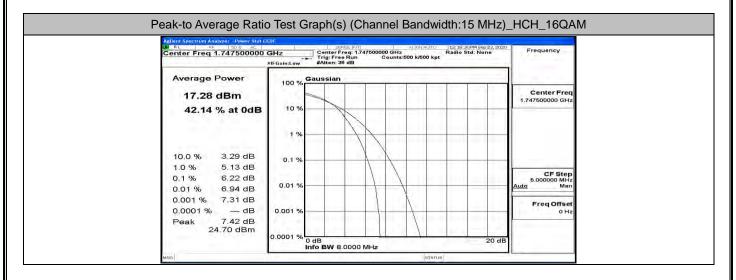


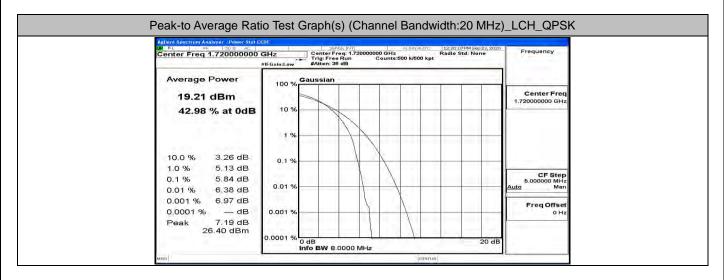


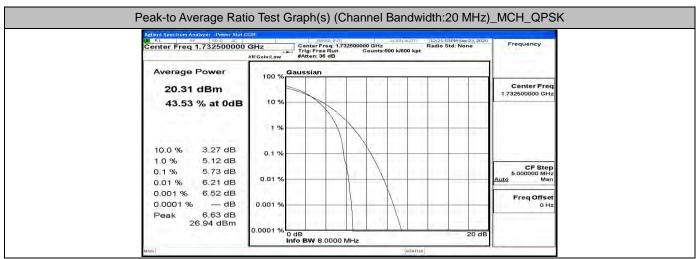


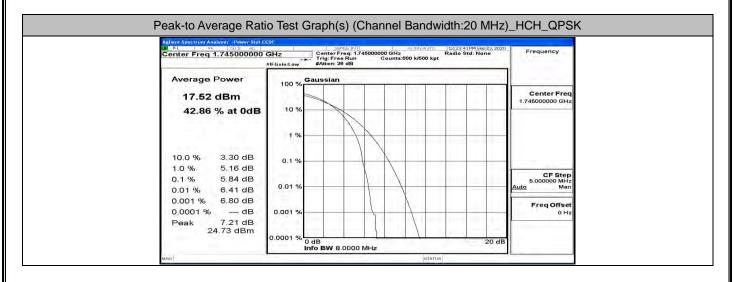


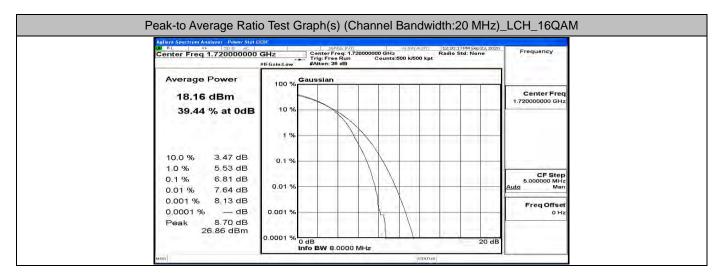


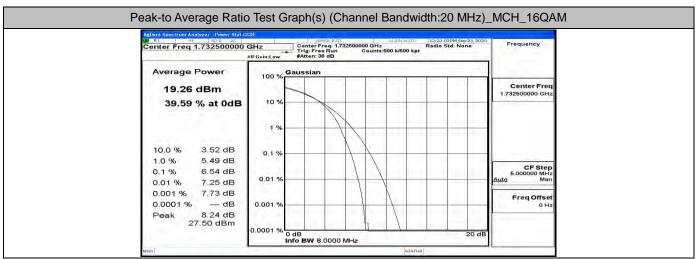


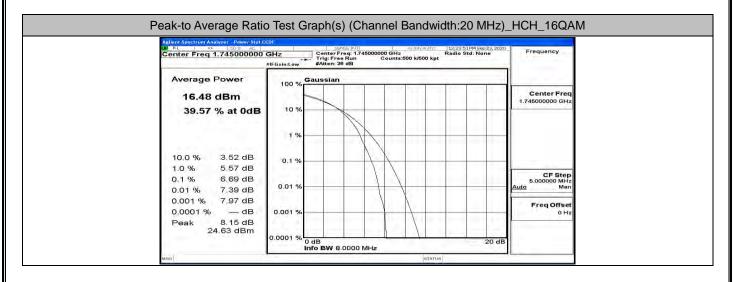












E.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	1.0769	2.800	PASS
	MCH	1.0795	1.226	PASS
	HCH	1.0767	1.226	PASS
16QAM	LCH	1.0785	1.226	PASS
	MCH	1.0793	1.232	PASS
	HCH	1.0761	1.230	PASS

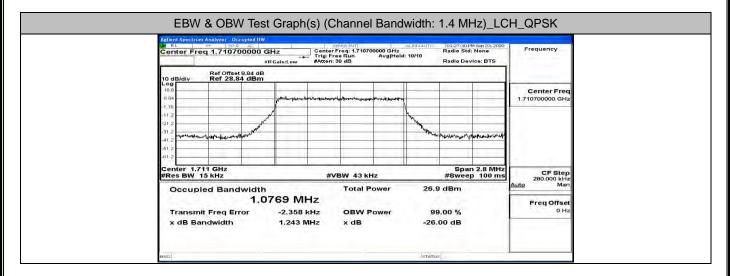
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation	Chame	(MHz)	(MHz)	
QPSK	LCH	2.6810	2.832	PASS
	MCH	2.6820	2.854	PASS
	HCH	2.6795	2.819	PASS
16QAM	LCH	2.6824	2.848	PASS
	MCH	2.6823	2.855	PASS
	HCH	2.6748	2.830	PASS

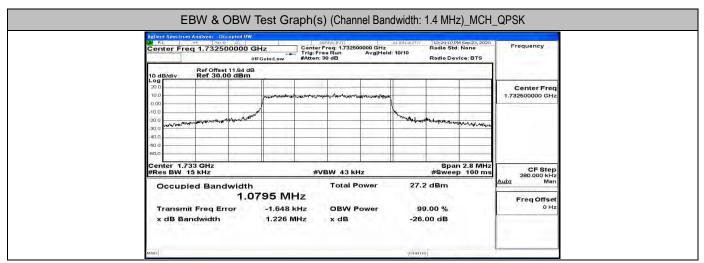
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	4.4806	4.847	PASS
	MCH	4.4801	4.934	PASS
	HCH	4.4886	4.819	PASS
16QAM	LCH	4.4716	4.866	PASS
	MCH	4.4790	4.791	PASS
	HCH	4.4678	4.822	PASS

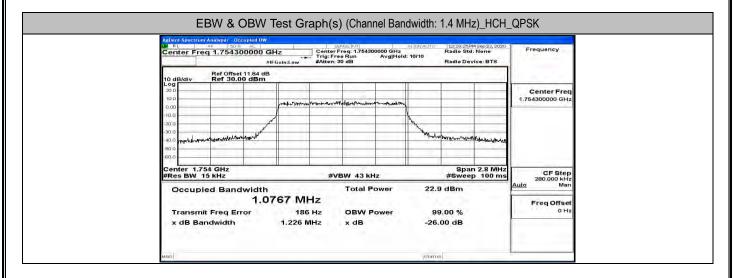
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	8.9572	9.580	PASS	
	MCH	8.9314	9.595	PASS	
	HCH	8.9602	9.517	PASS	
16QAM	LCH	8.9507	9.514	PASS	
	MCH	8.9272	9.565	PASS	
	HCH	8.9459	9.585	PASS	

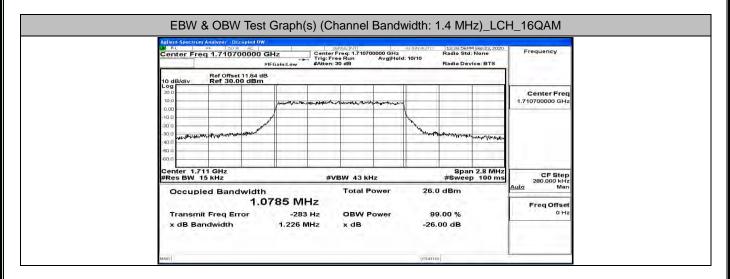
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	13.439	14.07	PASS
	MCH	13.387	14.16	PASS
	HCH	13.444	14.04	PASS
16QAM	LCH	13.425	14.11	PASS
	MCH	13.376	14.02	PASS
	HCH	13.443	14.11	PASS

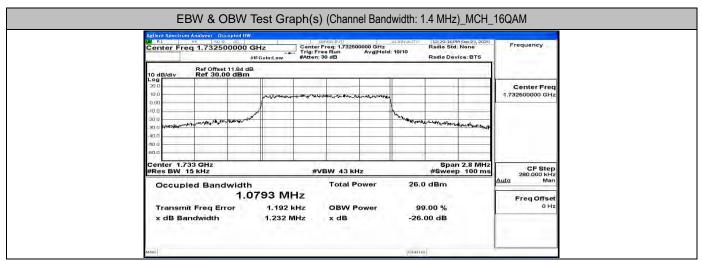
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Maralada Gara	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	17.898	18.65	PASS
	MCH	17.774	18.56	PASS
	HCH	17.912	18.61	PASS
16QAM	LCH	17.897	18.60	PASS
	MCH	17.754	18.62	PASS
	HCH	17.911	18.72	PASS

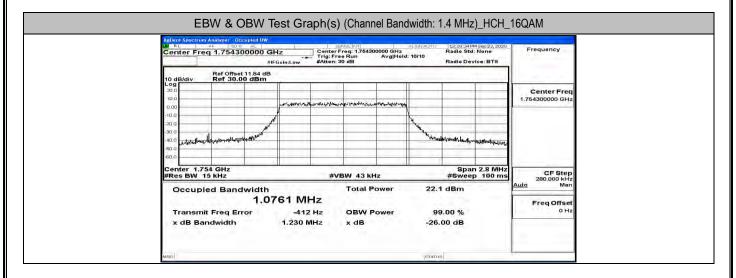


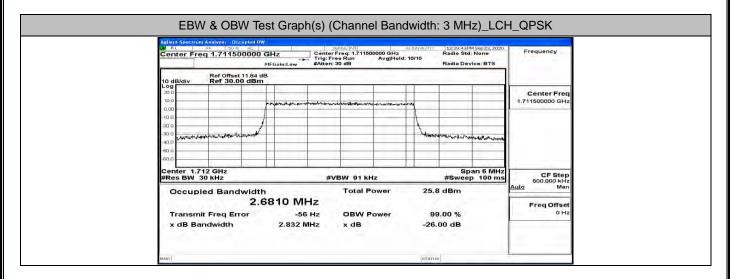


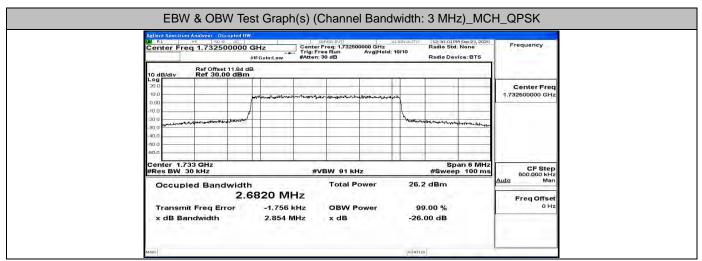


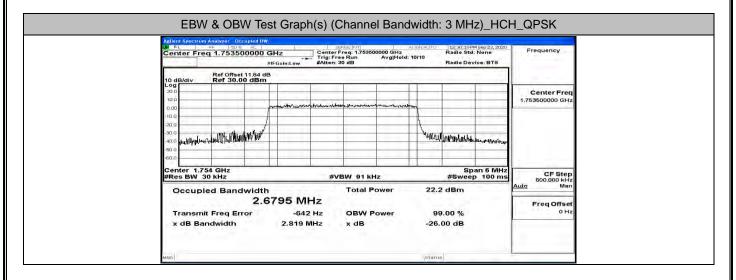


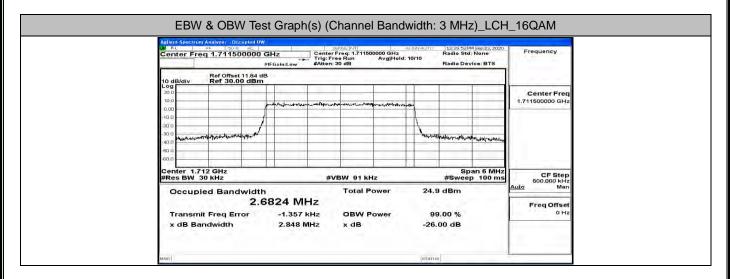


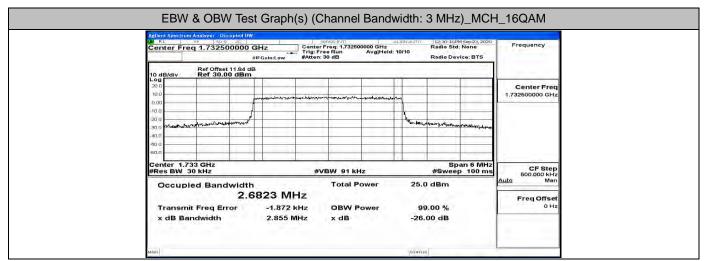


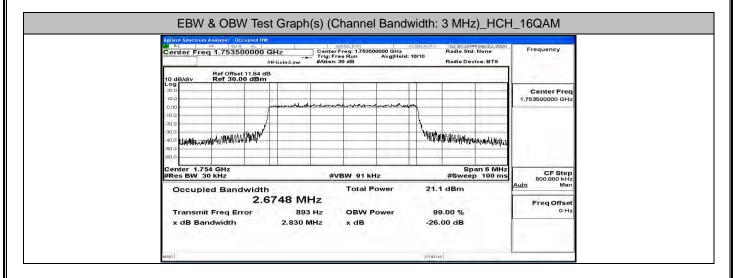


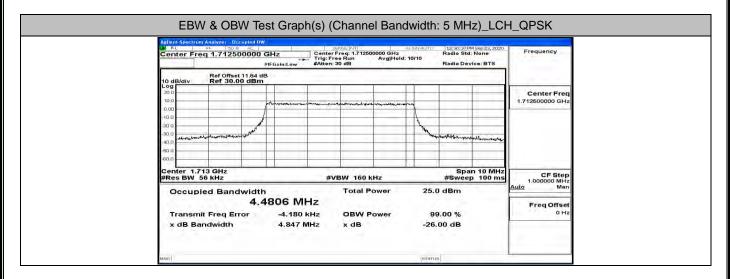


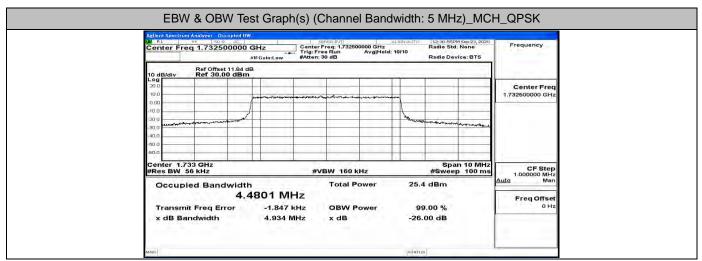


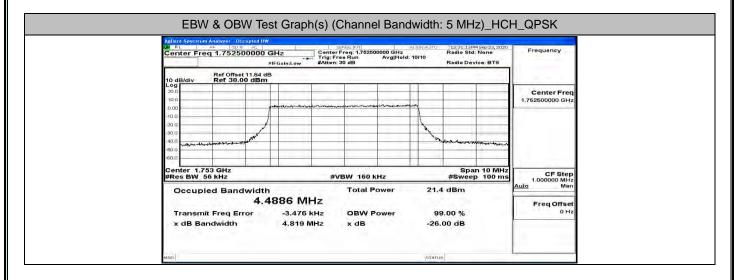


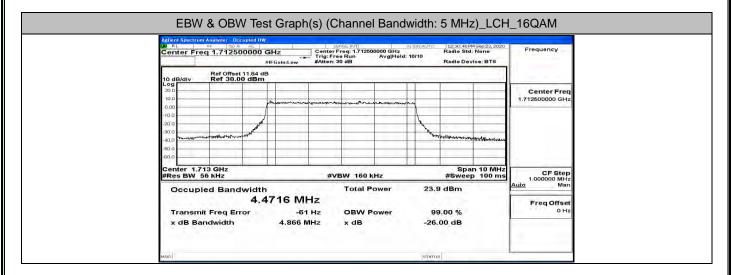


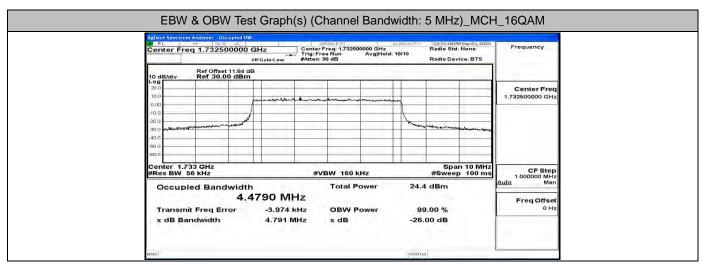


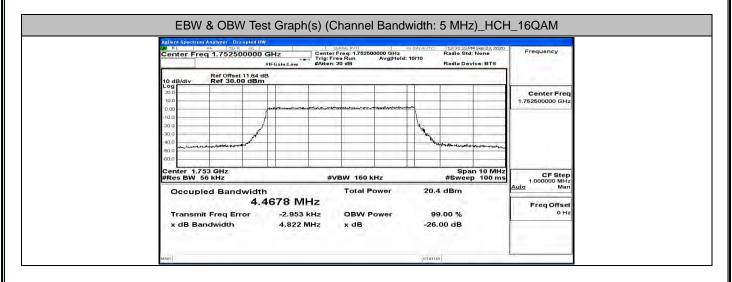


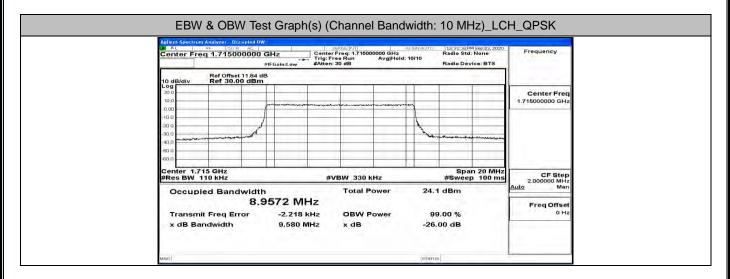


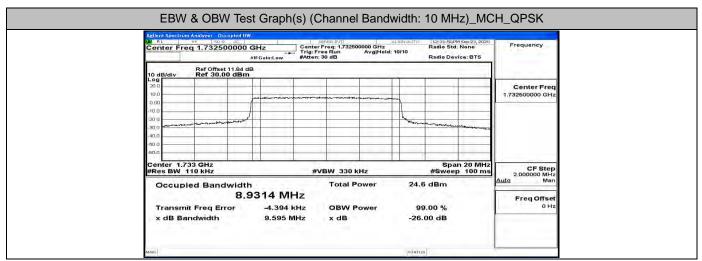


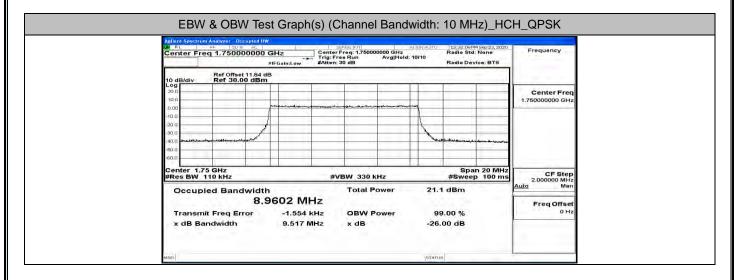


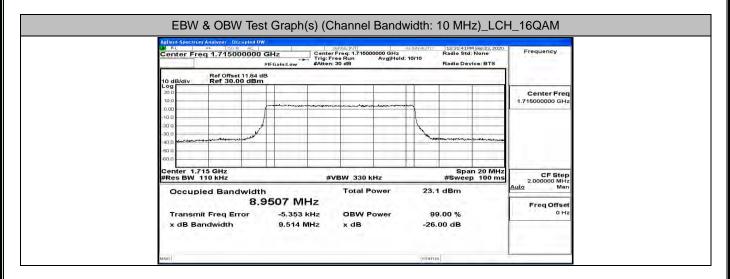


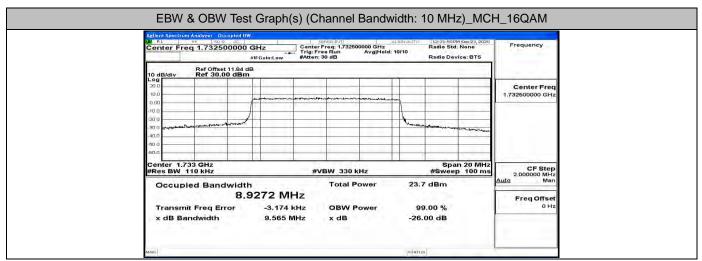


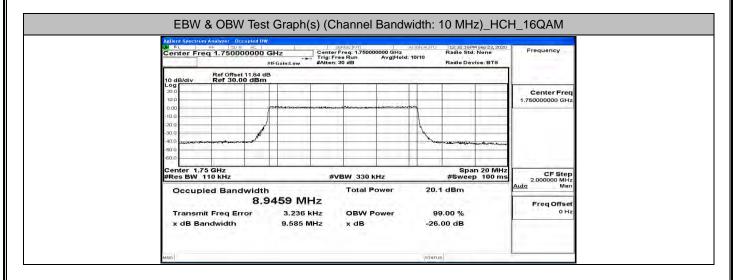


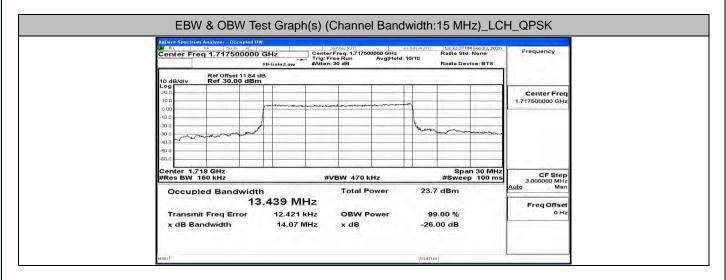


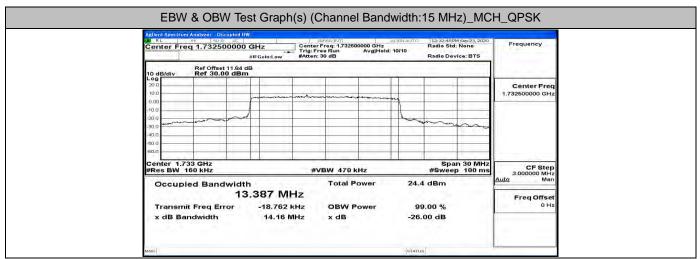


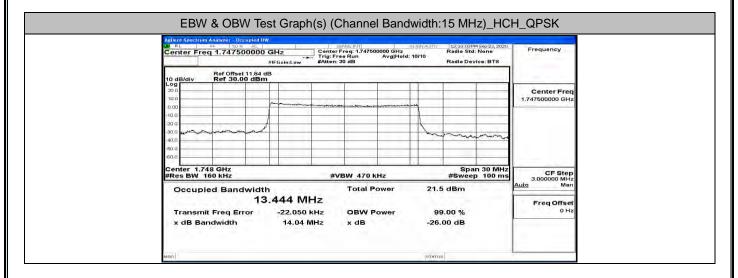


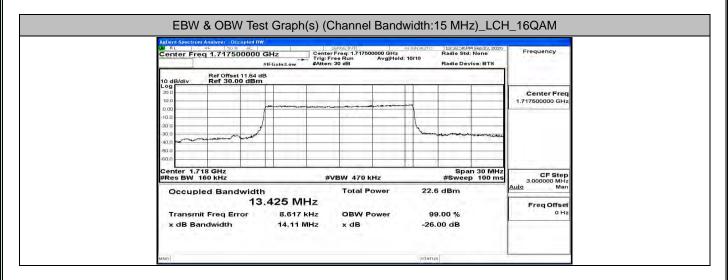


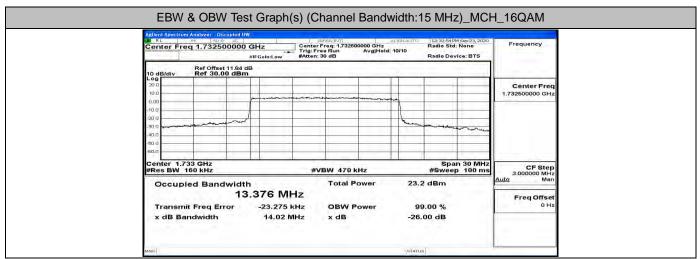


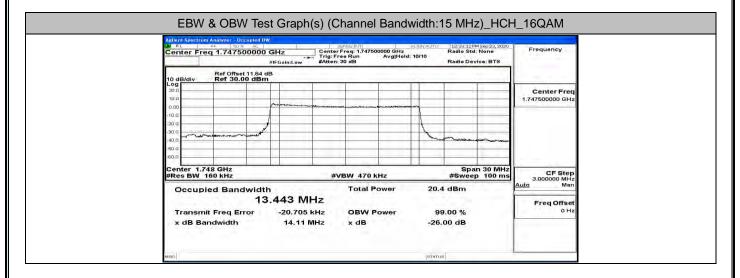


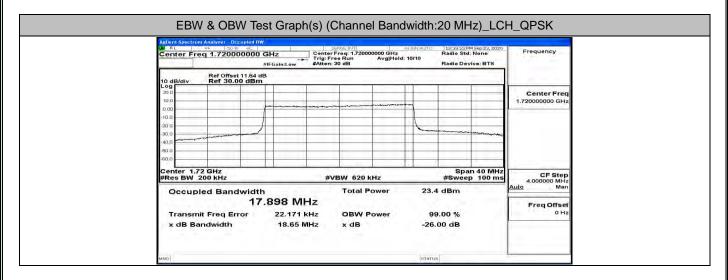


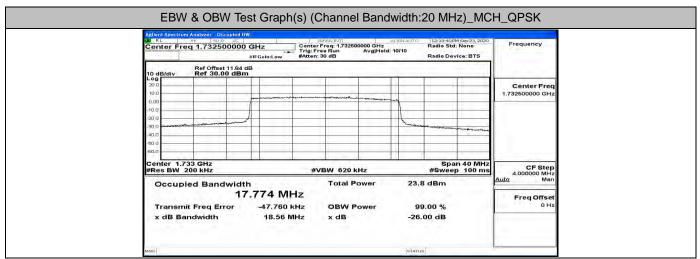


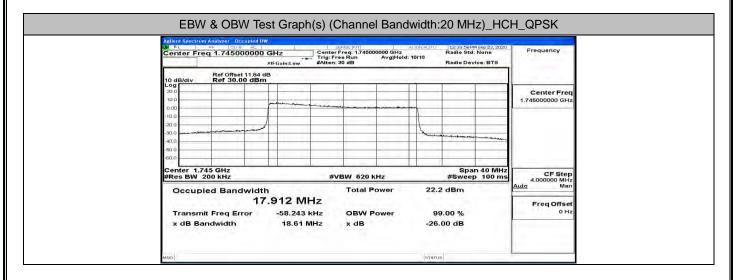


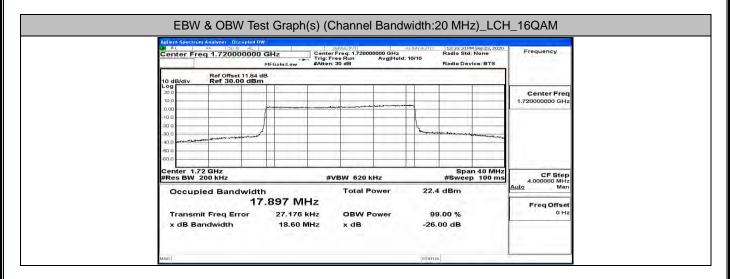


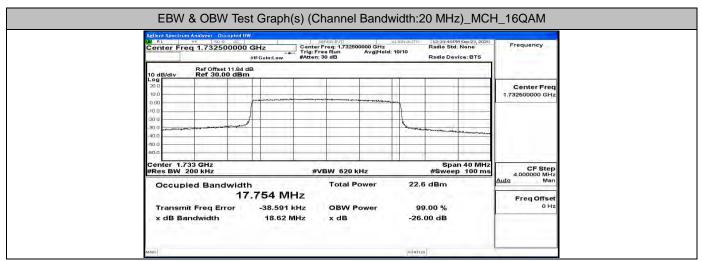


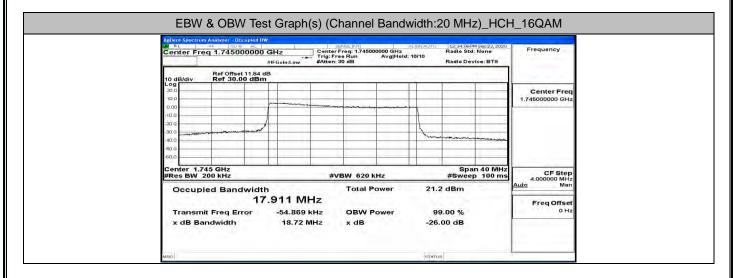




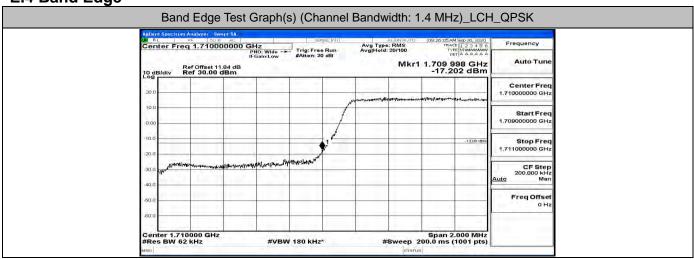


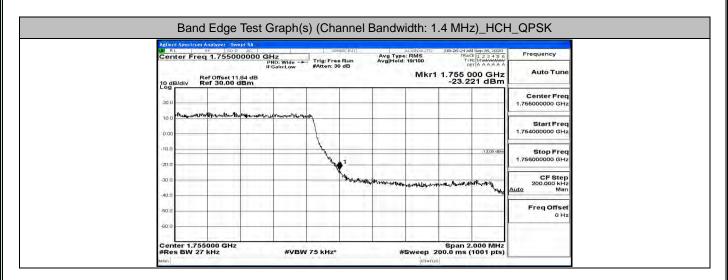


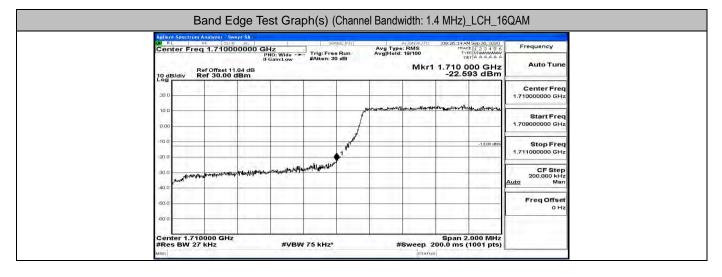


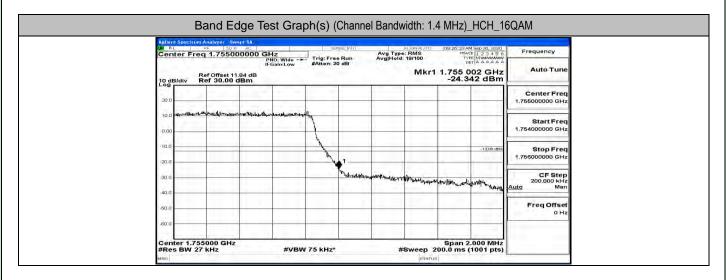


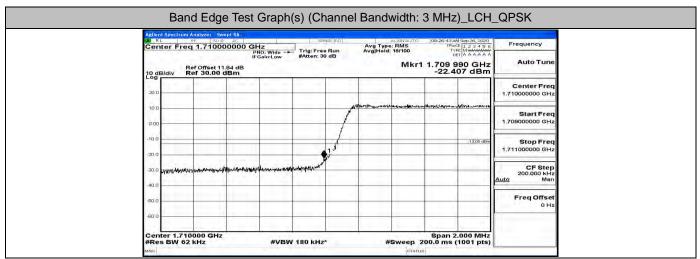
E.4 Band Edge

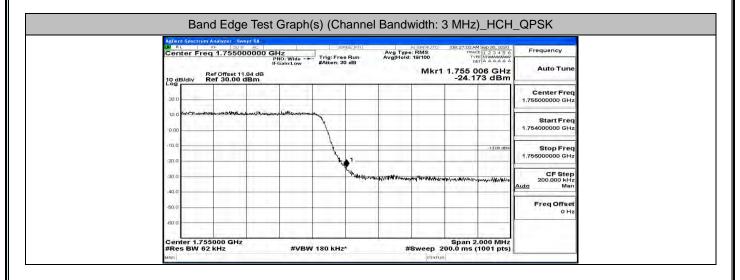


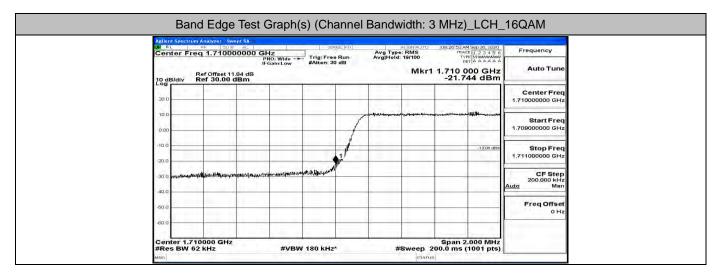


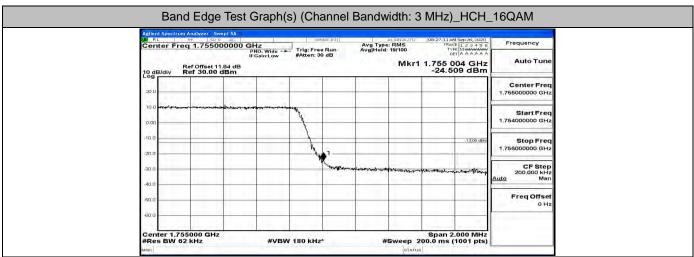


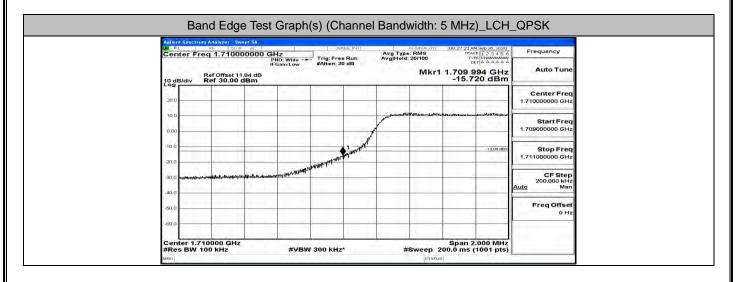


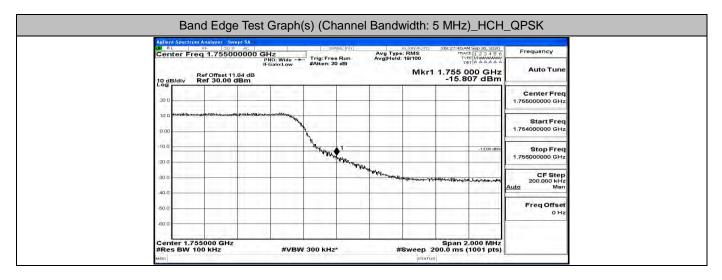


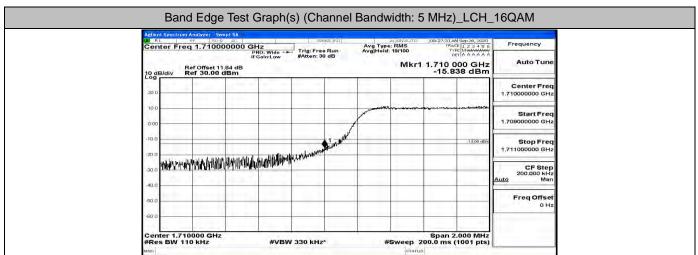


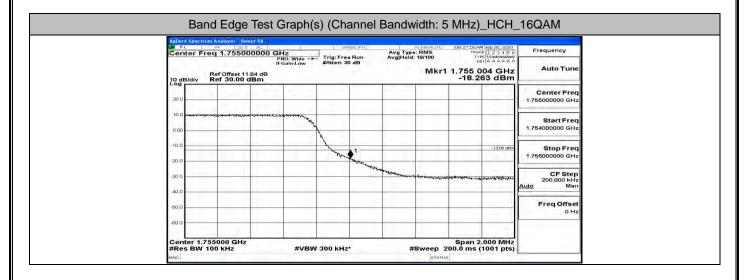


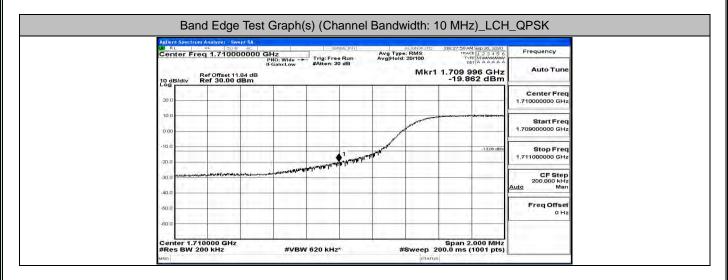


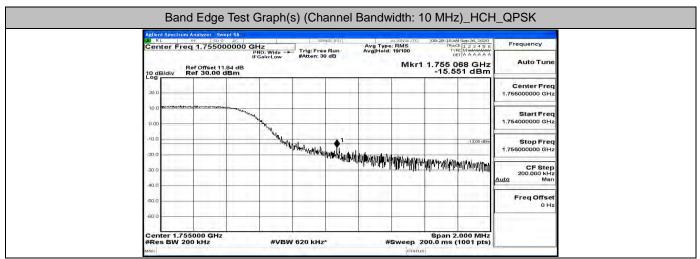


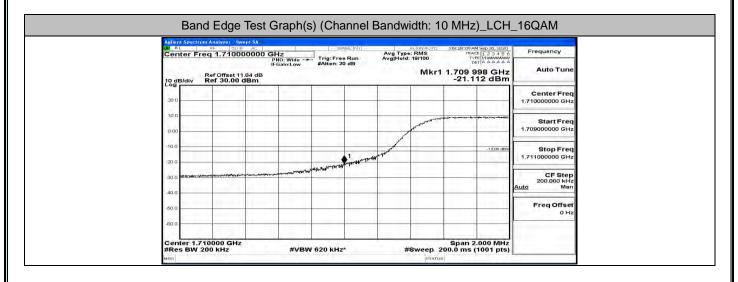


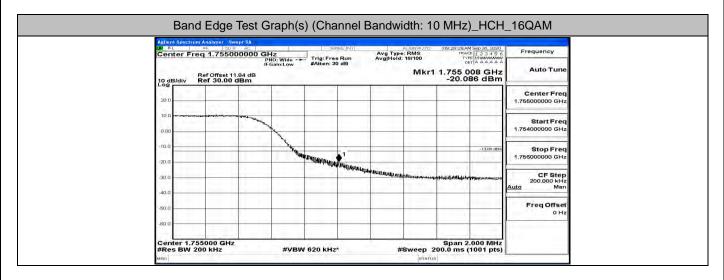


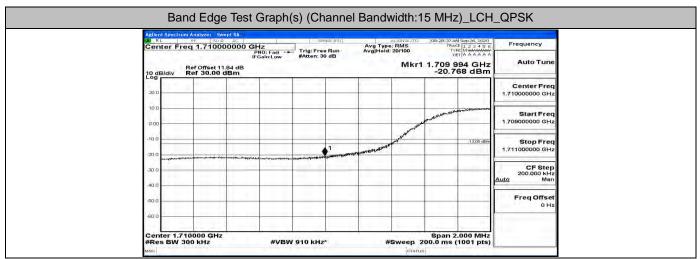


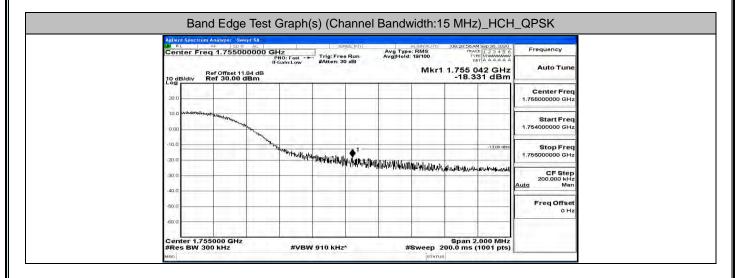


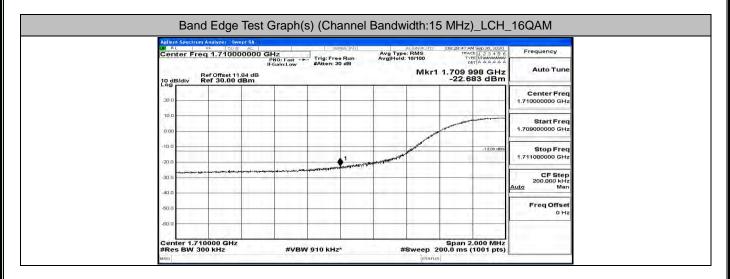


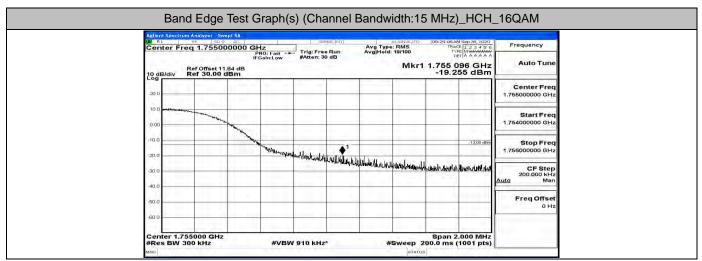


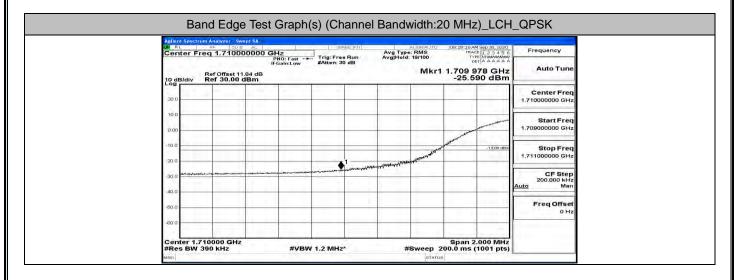


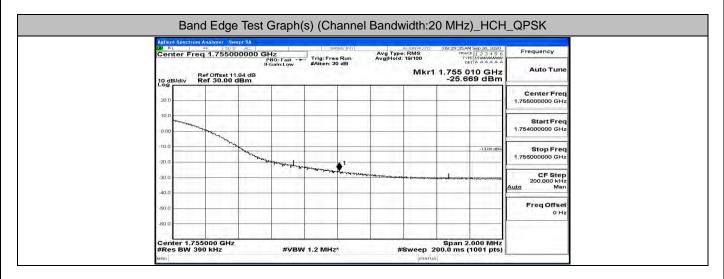


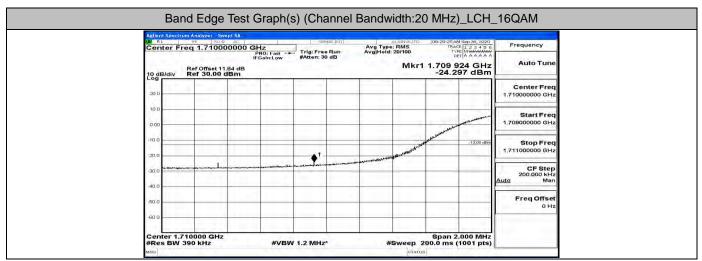


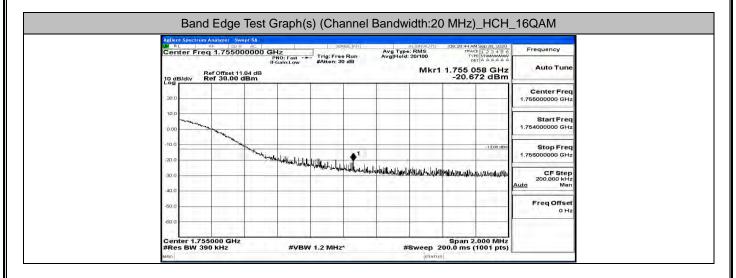






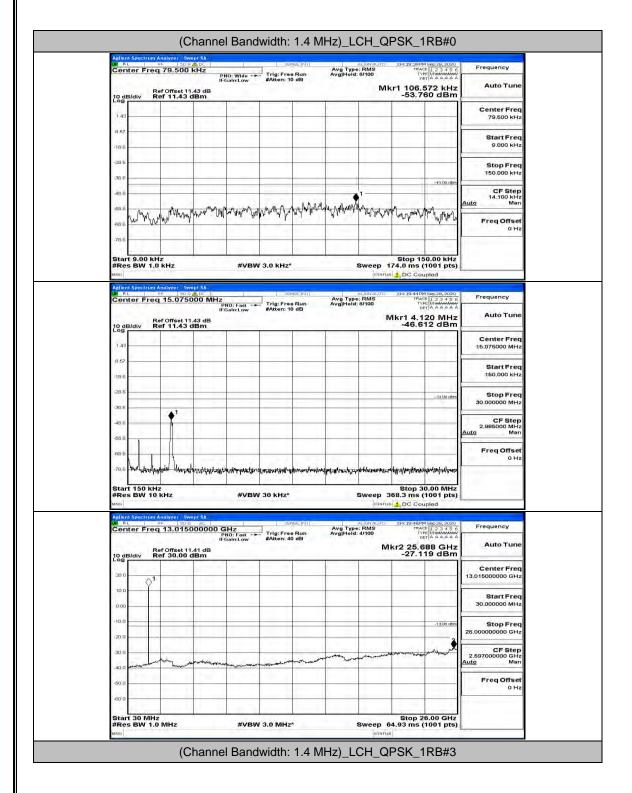


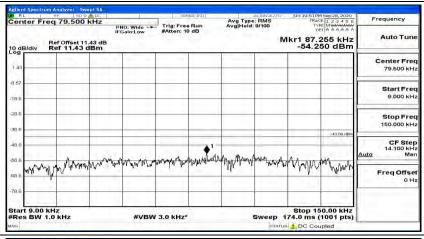


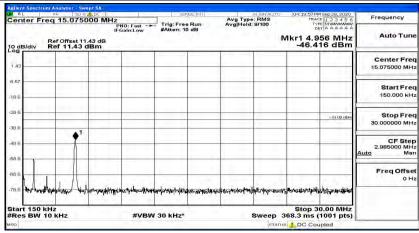


E.5 Conducted Spurious Emission Test Graphs

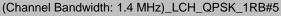
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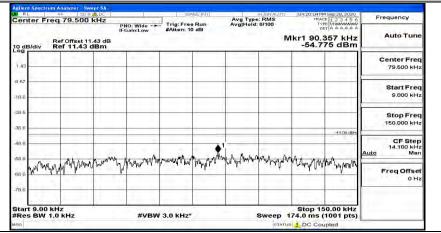


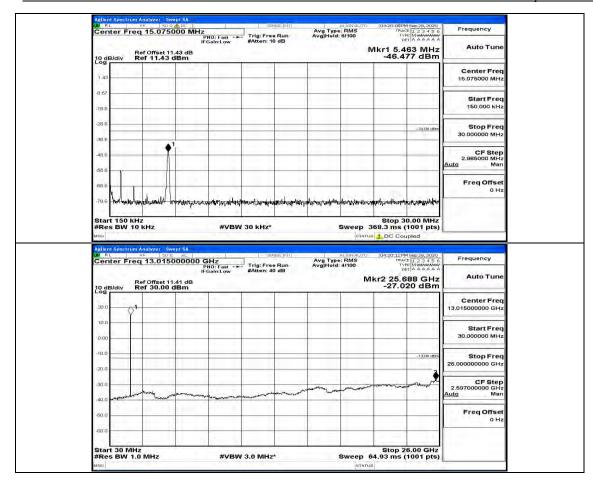


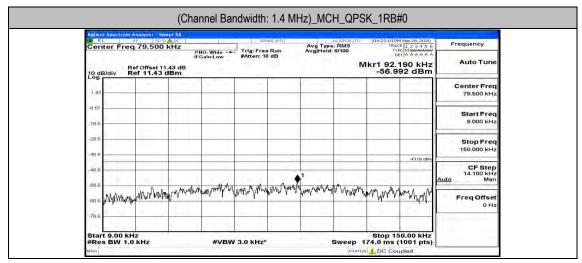


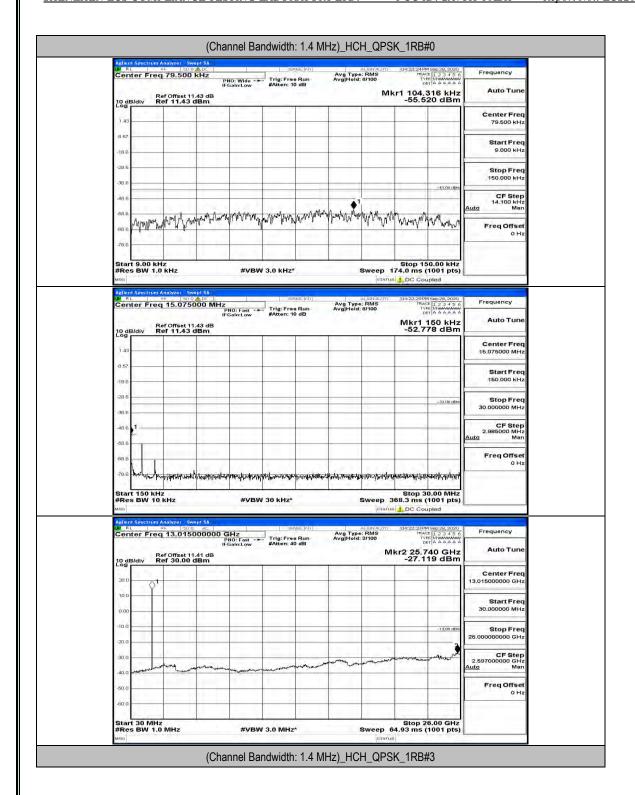


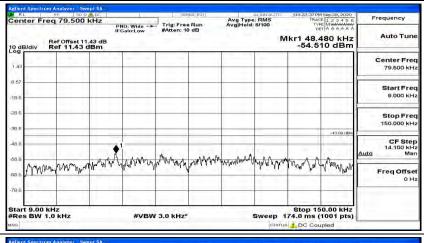


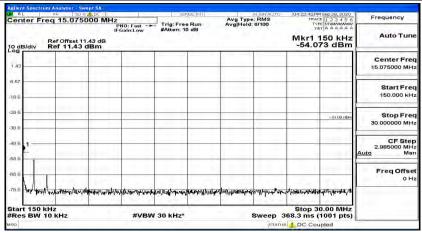




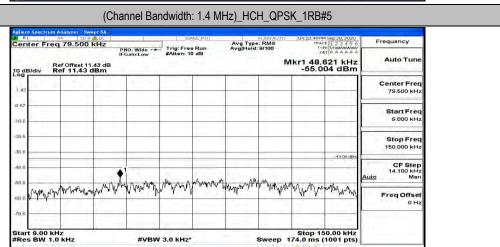


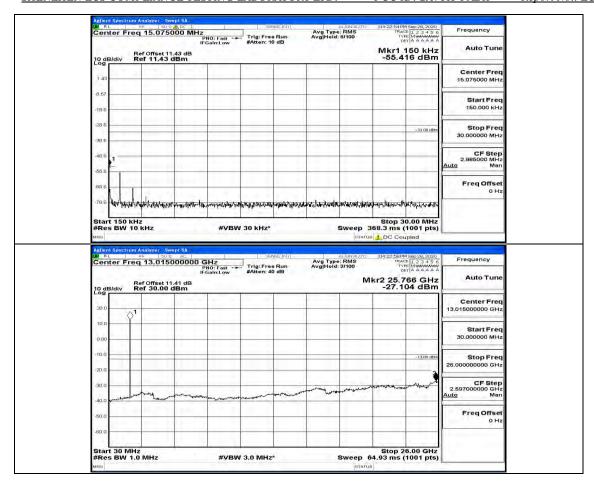


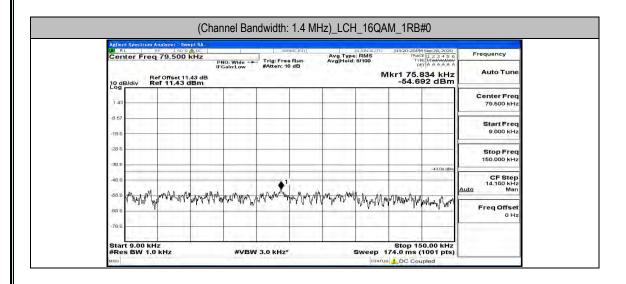


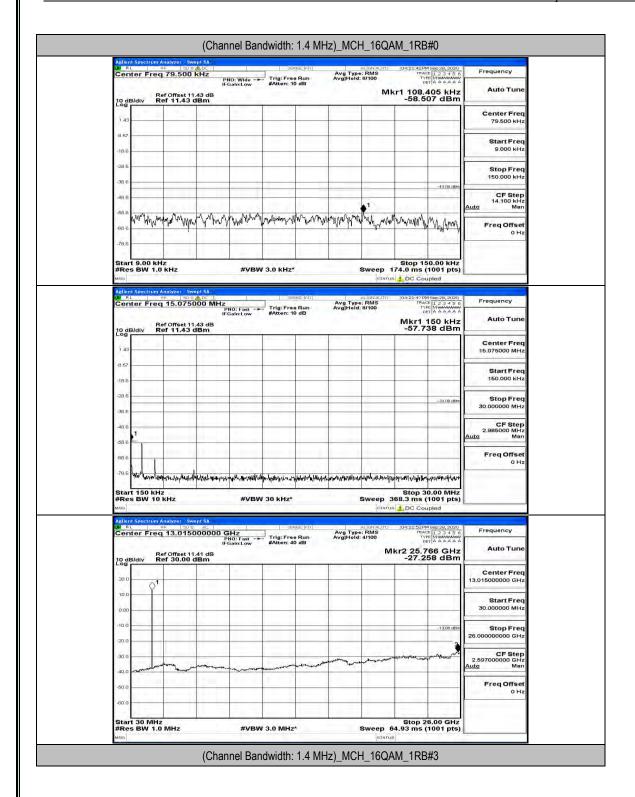


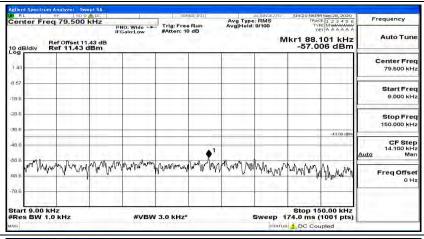


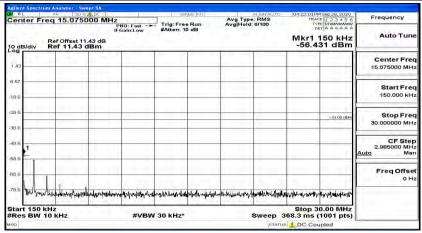




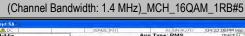


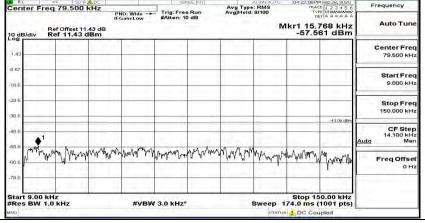


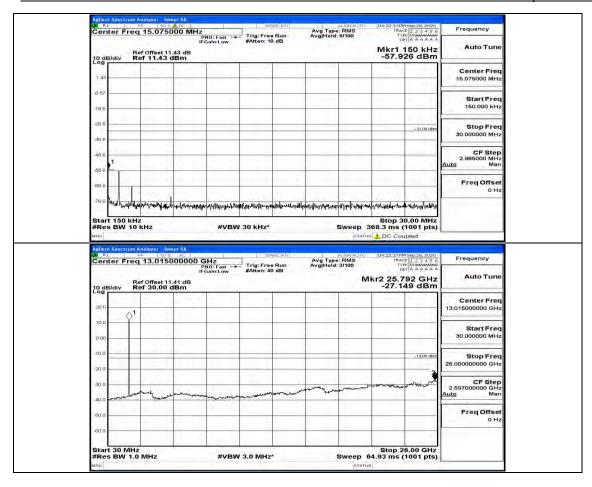


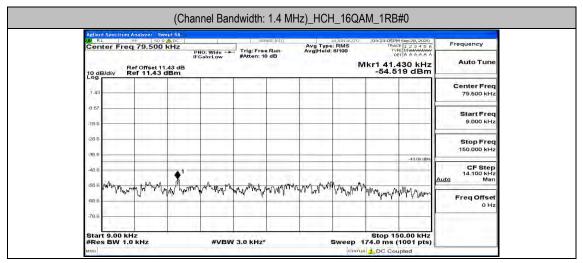




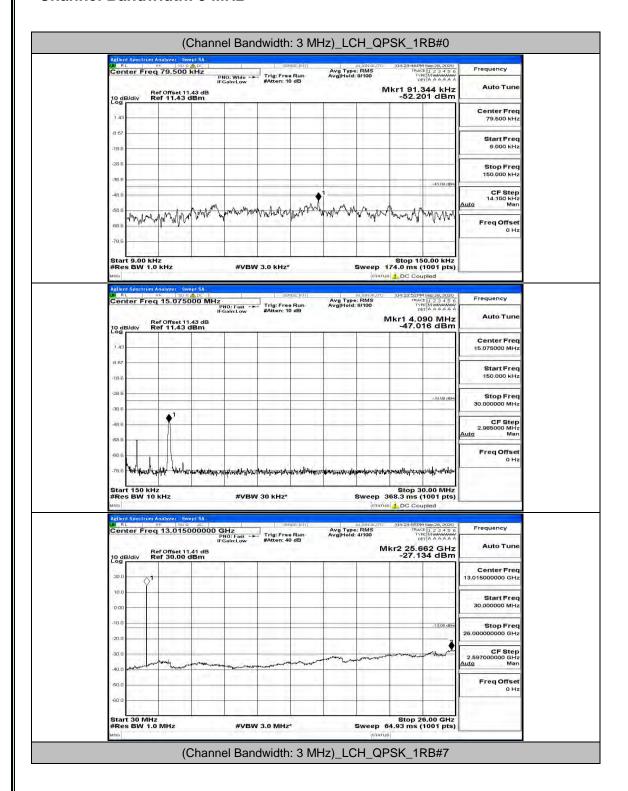


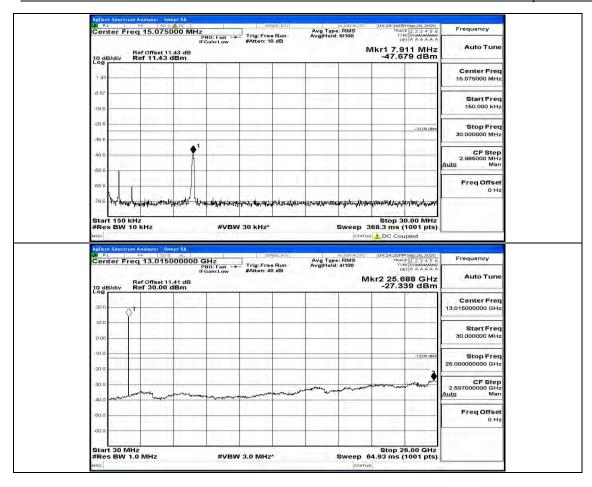


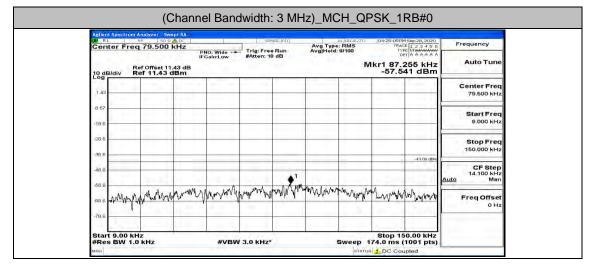


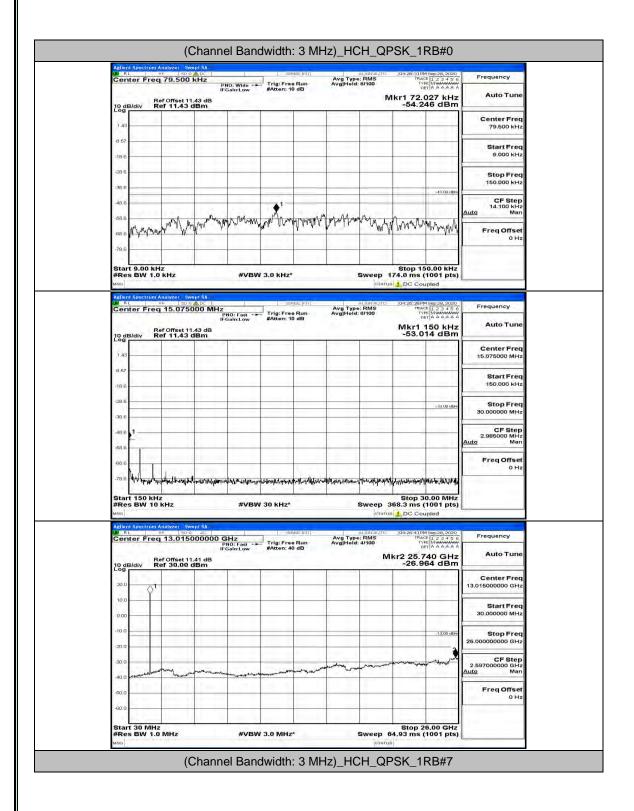


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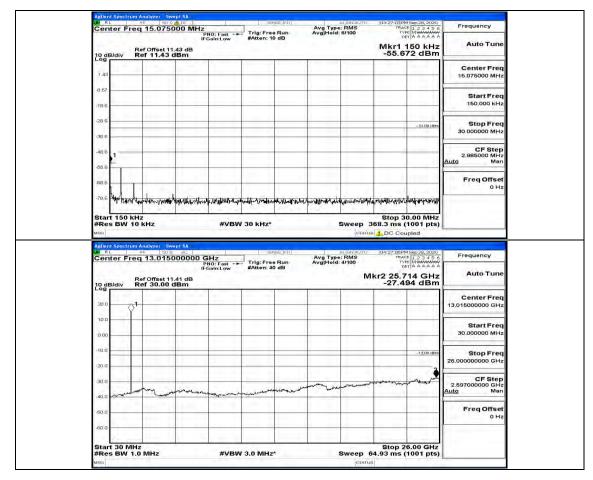


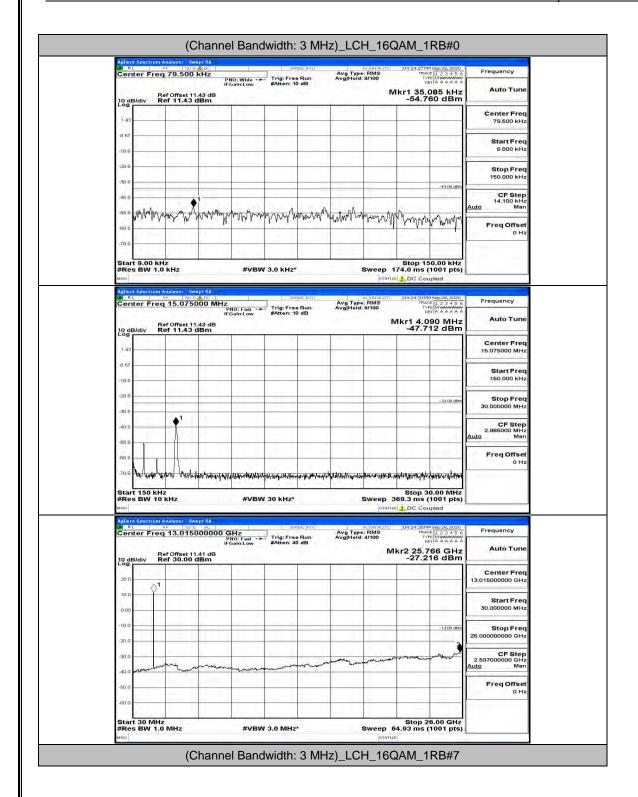


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Report No.: LCS200915128AEG

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.



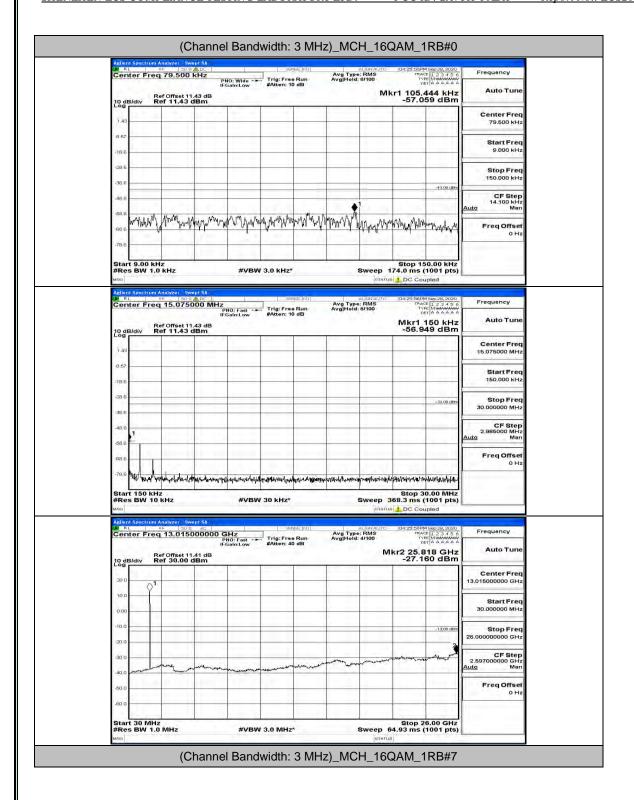


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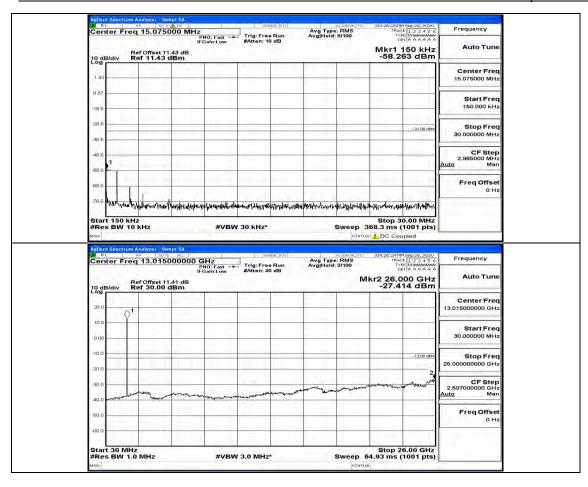


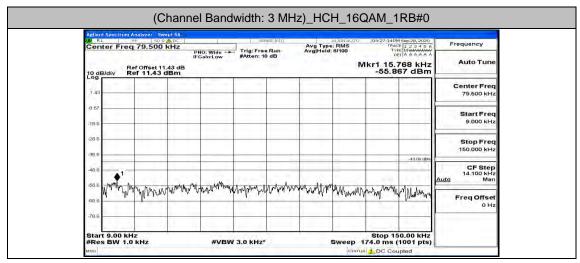


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SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.





Channel Bandwidth: 5 MHz

