Appendix B: Test Data for E-UTRA Band IV

Product Name: Wireless Door Intercom Trade Mark: AES, BFT, Beninca, SEA, NICE, FAAC Test Model: PRIME6-PROX-IMPK-PE-4GA

Environmental Conditions

Temperature:	23.5
Relative Humidity:	53.1
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden Zhuo

B.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]	Verdict		
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict		
		1	0	22.57	22.82	PASS		
		1	3	22.57	22.90	PASS		
		1	5	22.54	22.84	PASS		
	LCH	3	0	22.57	22.75	PASS		
		3	2	22.53	22.69	PASS		
		3	3	22.57	22.71	PASS		
		6	0	22.55	22.54	PASS		
		1	0	22.33	22.72	PASS		
		1	3	22.31	22.75	PASS		
QPSK /		1	5	22.33	22.70	PASS		
16QAM	MCH	3	0	22.32	22.33	PASS		
TOQAIVI		3	2	22.27	22.31	PASS		
		3	3	22.31	22.34	PASS		
		6	0	22.29	22.27	PASS		
		1	0	21.94	22.22	PASS		
		1	3	21.98	22.30	PASS		
		1	5	21.96	22.25	PASS		
	HCH	3	0	21.95	22.00	PASS		
		3	2	21.90	21.96	PASS		
		3	3	21.91	22.01	PASS		
		6	0	21.91	22.05	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)								
Modulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiet			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	22.54	22.83	PASS			
		1	7	22.58	22.88	PASS			
		1	14	22.54	22.84	PASS			
	LCH	8	0	22.54	22.63	PASS			
		8	4	22.57	22.66	PASS			
		8	7	22.57	22.65	PASS			
		15	0	22.56	22.56	PASS			
		1	0	22.25	22.54	PASS			
	MCH	1	7	22.34	22.63	PASS			
ODCK /		1	14	22.27	22.58	PASS			
QPSK / 16QAM		8	0	22.28	22.36	PASS			
TOQAW		8	4	22.32	22.41	PASS			
		8	7	22.33	22.40	PASS			
		15	0	22.30	22.29	PASS			
		1	0	21.90	22.30	PASS			
		1	7	21.95	22.32	PASS			
		1	14	21.88	22.29	PASS			
	HCH	8	0	21.88	21.90	PASS			
		8	4	21.89	21.90	PASS			
		8	7	21.88	21.91	PASS			
		15	0	21.87	21.89	PASS			

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/audiat		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	22.59	23.00	PASS		
		1	12	22.68	23.08	PASS		
		1	24	22.64	23.04	PASS		
	LCH	12	0	22.63	22.80	PASS		
		12	6	22.63	22.81	PASS		
		12	13	22.68	22.86	PASS		
		25	0	22.62	22.68	PASS		
	MCH	1	0	22.30	22.72	PASS		
		1	12	22.37	22.76	PASS		
QPSK /		1	24	22.33	22.75	PASS		
16QAM		12	0	22.33	22.50	PASS		
TOQAIVI		12	6	22.37	22.53	PASS		
		12	13	22.38	22.54	PASS		
		25	0	22.31	22.36	PASS		
		1	0	21.97	22.12	PASS		
		1	12	21.96	22.11	PASS		
		1	24	21.90	22.01	PASS		
	HCH	12	0	22.00	22.07	PASS		
		12	6	21.96	22.02	PASS		
		12	13	21.95	22.00	PASS		
		25	0	21.93	21.99	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)								
Modulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiat		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	22.62	22.93	PASS		
		1	24	22.71	23.01	PASS		
		1	49	22.67	23.00	PASS		
	LCH	25	0	22.65	22.69	PASS		
		25	12	22.66	22.71	PASS		
		25	25	22.70	22.73	PASS		
		50	0	22.69	22.71	PASS		
		1	0	22.32	22.62	PASS		
		1	24	22.38	22.68	PASS		
QPSK /		1	49	22.41	22.72	PASS		
16QAM	MCH	25	0	22.30	22.34	PASS		
TOQAIVI		25	12	22.36	22.37	PASS		
		25	25	22.38	22.41	PASS		
		50	0	22.35	22.36	PASS		
		1	0	22.24	22.71	PASS		
		1	24	22.04	22.48	PASS		
		1	49	21.91	22.36	PASS		
	HCH	25	0	22.13	22.19	PASS		
		25	12	21.99	22.07	PASS		
		25	25	21.95	22.02	PASS		
		50	0	22.02	22.11	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	22.60	22.91	PASS			
		1	37	22.77	23.09	PASS			
		1	74	22.53	22.85	PASS			
	LCH	37	0	22.66	22.67	PASS			
		37	18	22.69	22.70	PASS			
		37	38	22.63	22.64	PASS			
		75	0	22.66	22.68	PASS			
	мсн	1	0	22.36	22.67	PASS			
		1	37	22.38	22.69	PASS			
QPSK /		1	74	22.47	22.78	PASS			
16QAM		37	0	22.33	22.32	PASS			
TOQAIVI		37	18	22.33	22.34	PASS			
		37	38	22.39	22.42	PASS			
		75	0	22.35	22.36	PASS			
		1	0	22.41	22.77	PASS			
		1	37	22.09	22.52	PASS			
		1	74	21.89	22.25	PASS			
	HCH	37	0	22.29	22.34	PASS			
		37	18	22.13	22.18	PASS			
		37	38	21.96	22.01	PASS			
		75	0	22.13	22.16	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	22.73	22.91	PASS			
		1	49	22.81	22.99	PASS			
		1	99	22.49	22.69	PASS			
	LCH	50	0	22.68	22.69	PASS			
		50	25	22.63	22.65	PASS			
		50	50	22.55	22.54	PASS			
		100	0	22.59	22.60	PASS			
	MCH	1	0	22.57	22.76	PASS			
		1	49	22.47	22.66	PASS			
QPSK /		1	99	22.57	22.74	PASS			
16QAM		50	0	22.34	22.34	PASS			
IOQAIVI		50	25	22.35	22.36	PASS			
		50	50	22.41	22.42	PASS			
		100	0	22.38	22.38	PASS			
		1	0	22.47	22.87	PASS			
		1	49	22.35	22.76	PASS			
		1	99	21.99	22.40	PASS			
	HCH	50	0	22.44	22.52	PASS			
		50	25	22.31	22.40	PASS			
		50	50	22.08	22.16	PASS			
		100	0	22.29	22.33	PASS			

B.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	5.97	<13	PASS			
QPSK	MCH	5.8	<13	PASS			
	HCH	5.83	<13	PASS			
16QAM	LCH	6.62	<13	PASS			
	MCH	6.48	<13	PASS			
	HCH	6.56	<13	PASS			

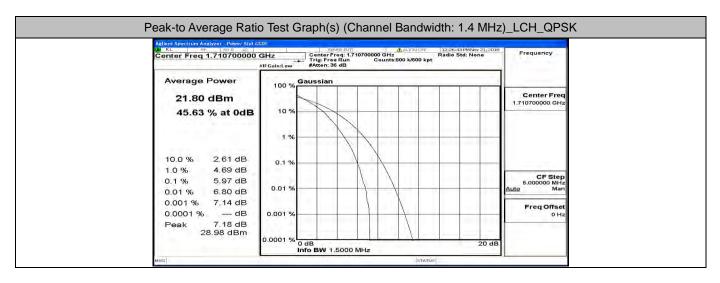
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Channel	[dB]	[dB]	verdict			
	LCH	5.95	<13	PASS			
QPSK	MCH	5.81	<13	PASS			
	HCH	6	<13	PASS			
	LCH	6.66	<13	PASS			
16QAM	MCH	6.65	<13	PASS			
	HCH	6.6	<13	PASS			

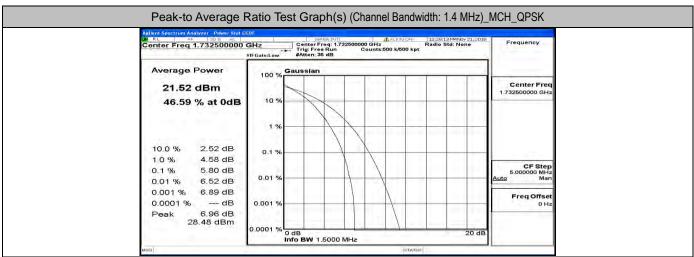
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Channel	[dB]	[dB]	verdict		
	LCH	6.02	<13	PASS		
QPSK	MCH	5.9	<13	PASS		
	HCH	6.03	<13	PASS		
	LCH	6.62	<13	PASS		
16QAM	MCH	6.54	<13	PASS		
	HCH	6.67	<13	PASS		

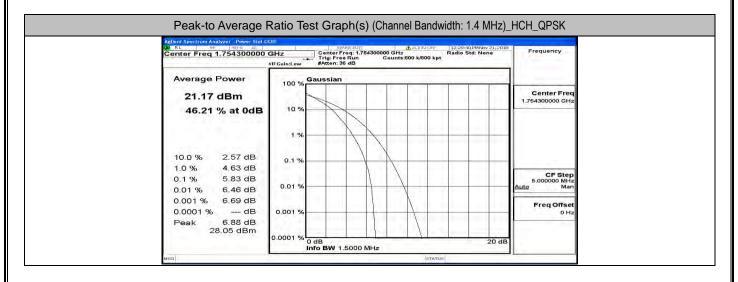
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Ghannei	[dB]	[dB]	verdict			
	LCH	5.83	<13	PASS			
QPSK	MCH	5.85	<13	PASS			
	HCH	5.99	<13	PASS			
	LCH	6.5	<13	PASS			
16QAM	MCH	6.42	<13	PASS			
	HCH	6.57	<13	PASS			

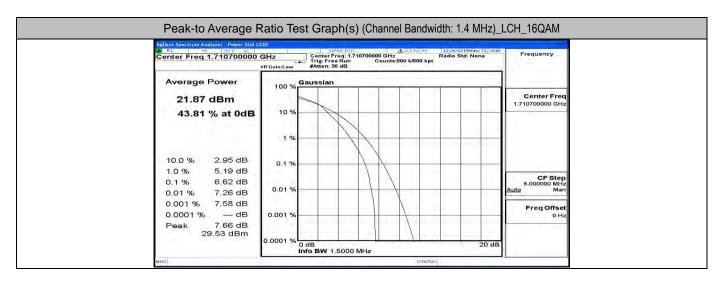
	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
Modulation	Chamilei	[dB]	[dB]	verdict				
	LCH	5	<13	PASS				
QPSK	MCH	5.02	<13	PASS				
	HCH	5	<13	PASS				
	LCH	6.34	<13	PASS				
16QAM	MCH	6.29	<13	PASS				
	HCH	6.34	<13	PASS				

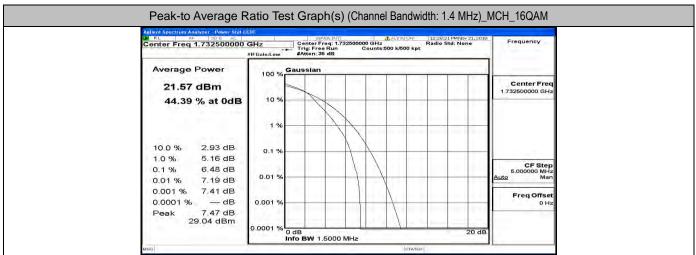
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
Modulation		[dB]	[dB]		
QPSK	LCH	5.69	<13	PASS	
	MCH	5.7	<13	PASS	
	HCH	5.74	<13	PASS	
16QAM	LCH	6.75	<13	PASS	
	MCH	6.76	<13	PASS	
	HCH	6.72	<13	PASS	

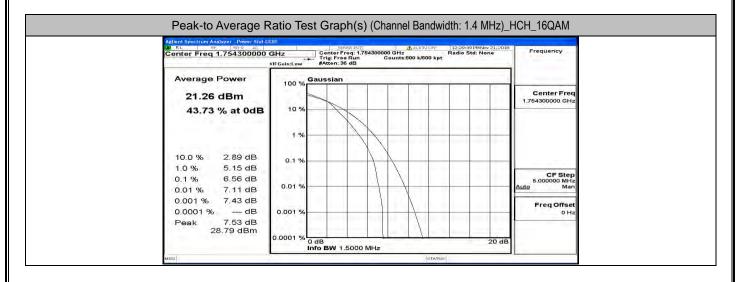


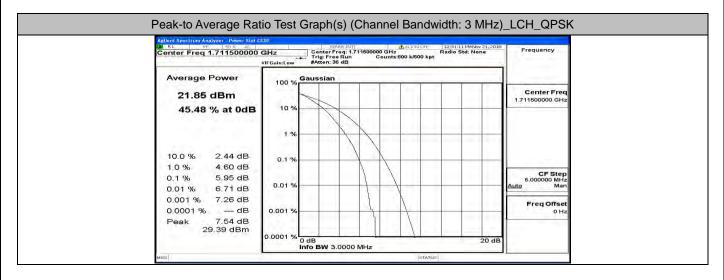


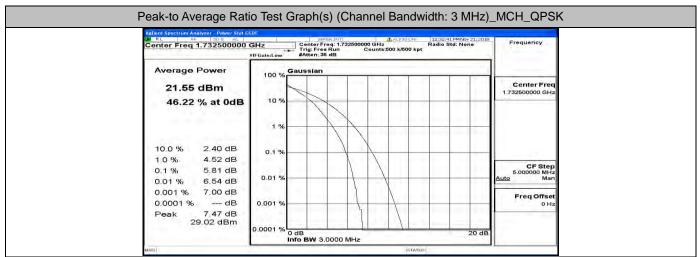


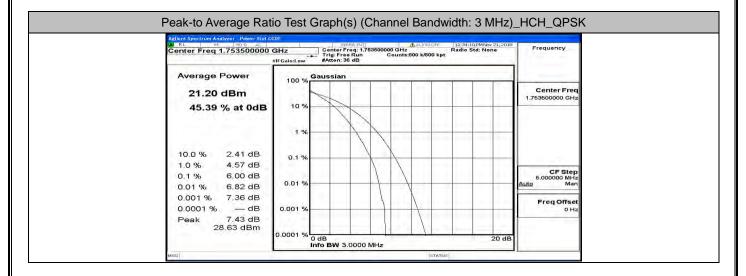


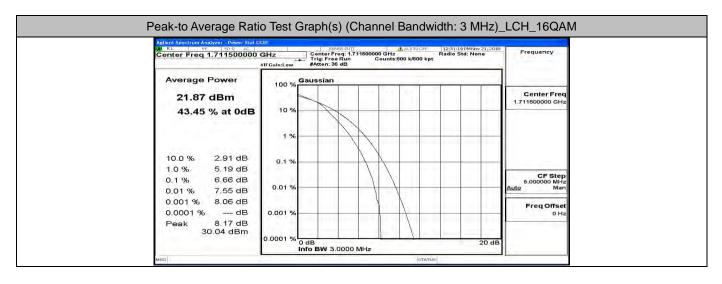


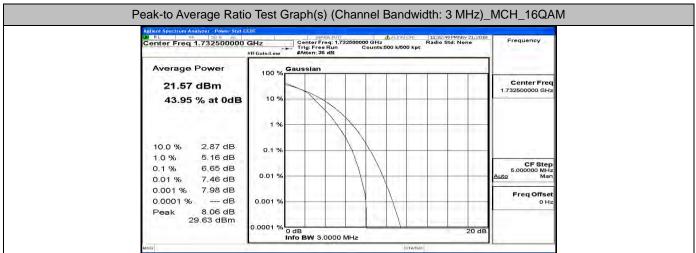


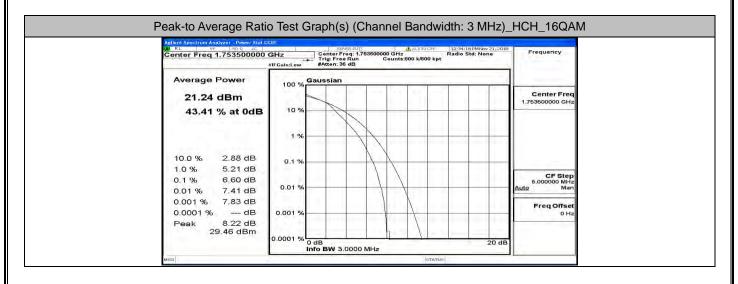


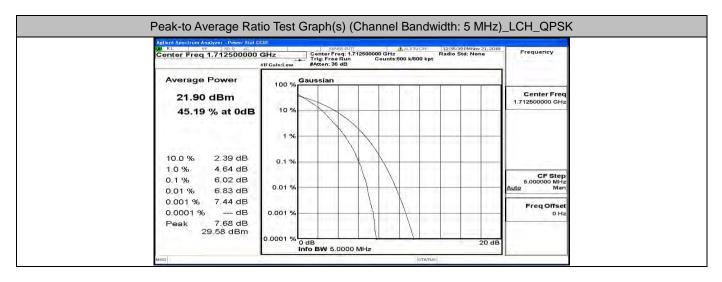


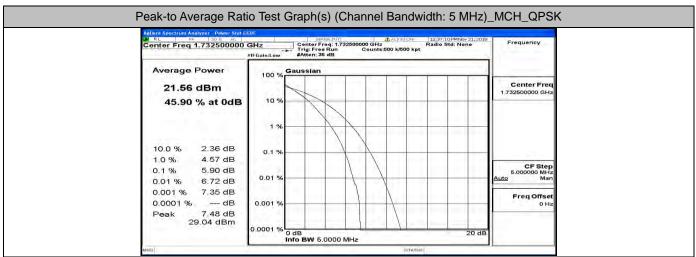


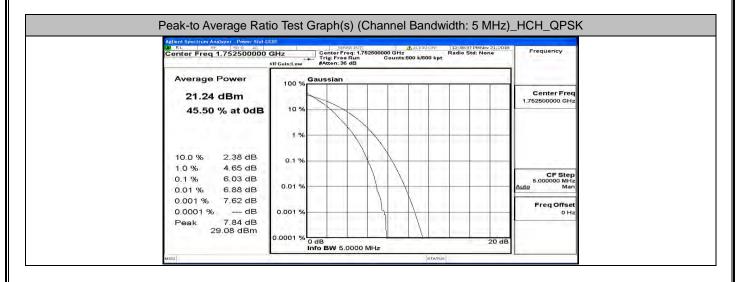


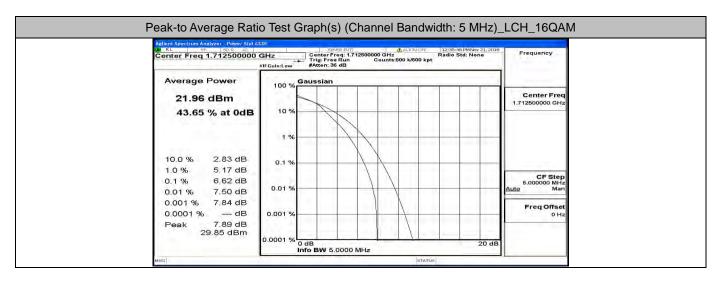


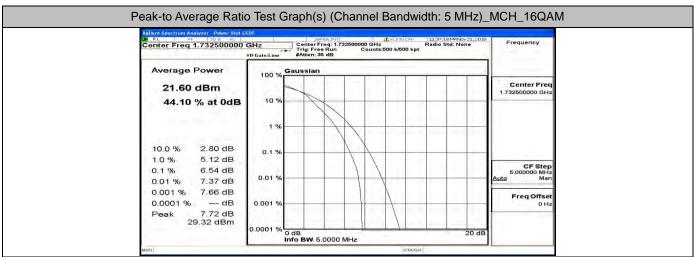


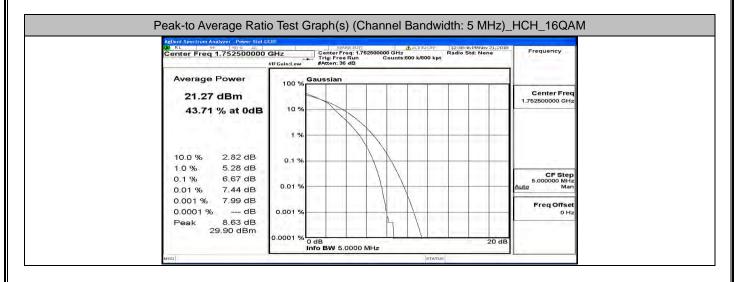


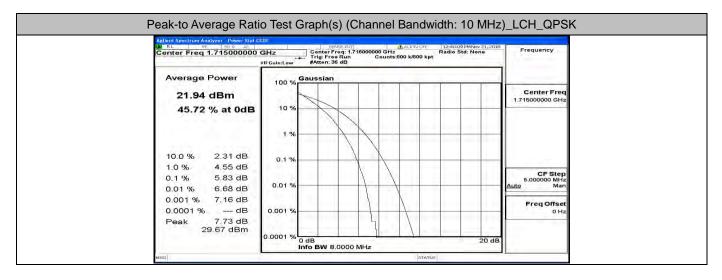


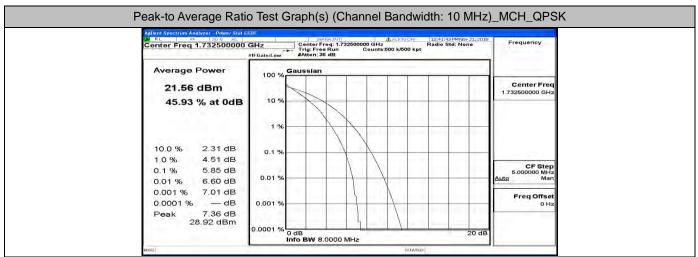


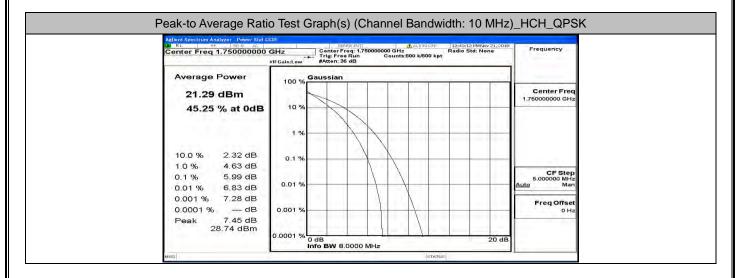


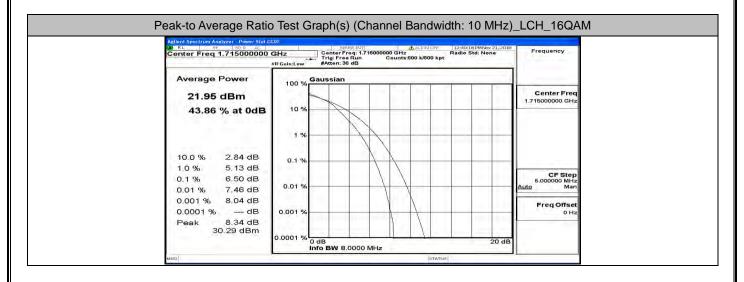


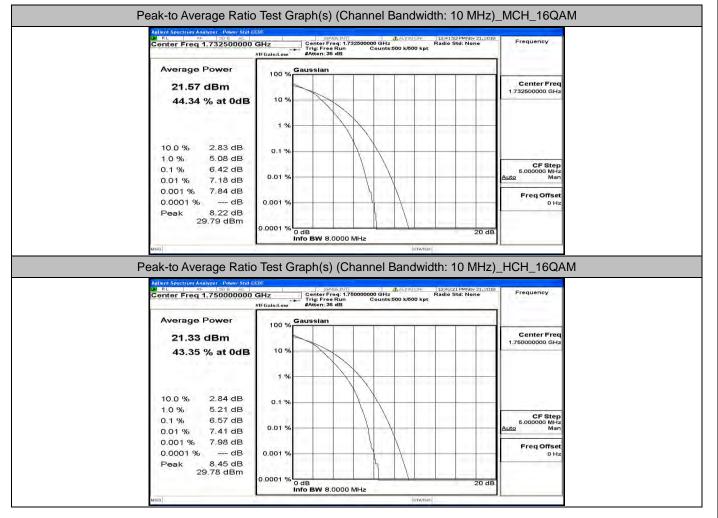




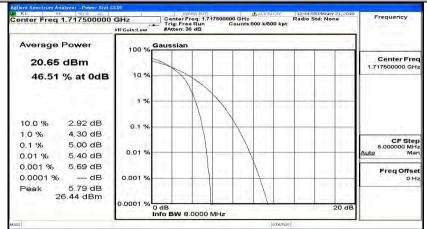


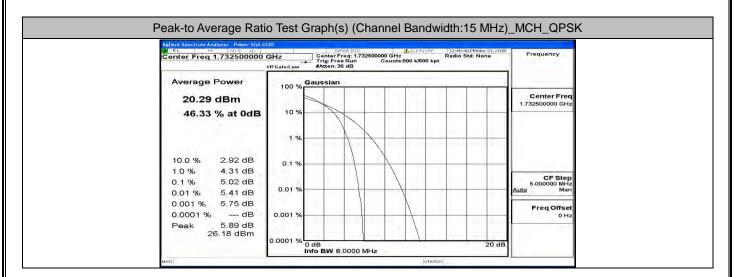


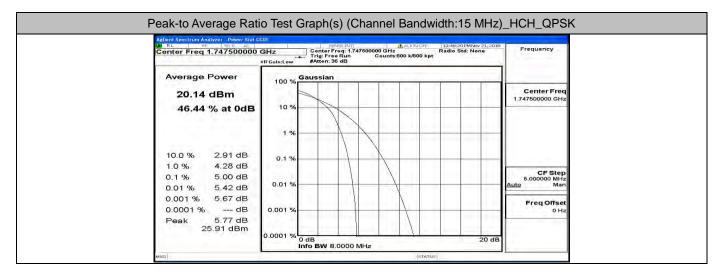


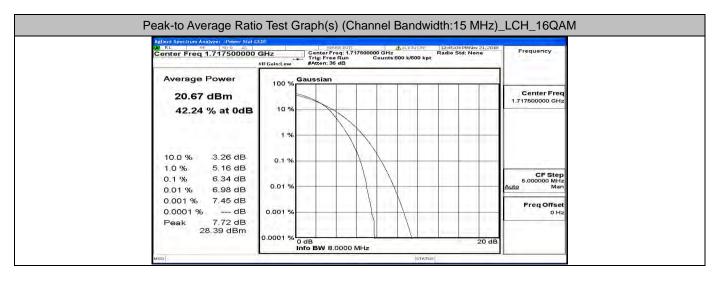


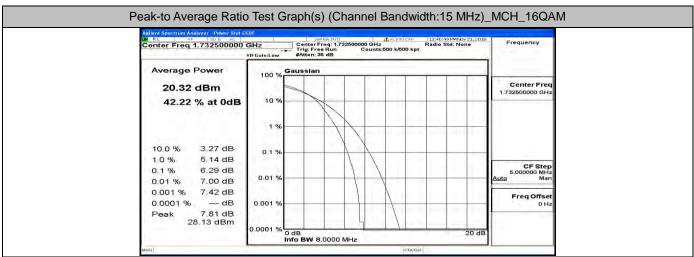
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK

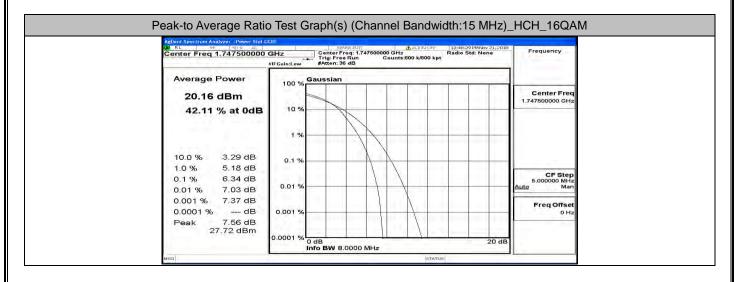


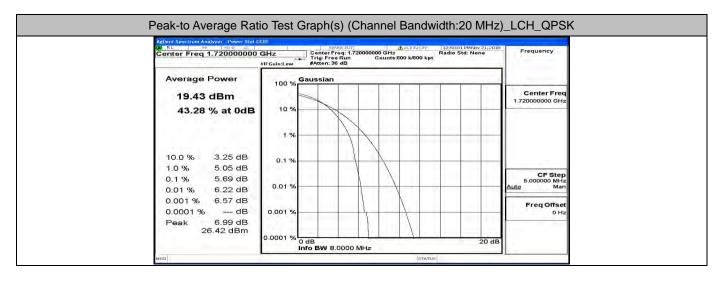


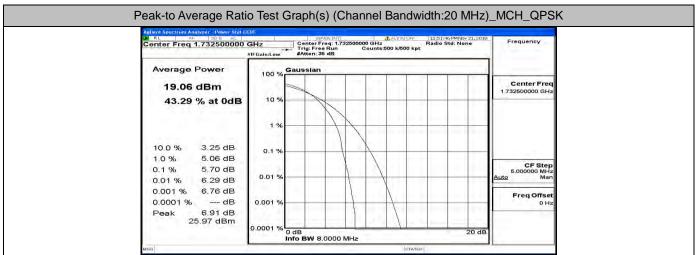


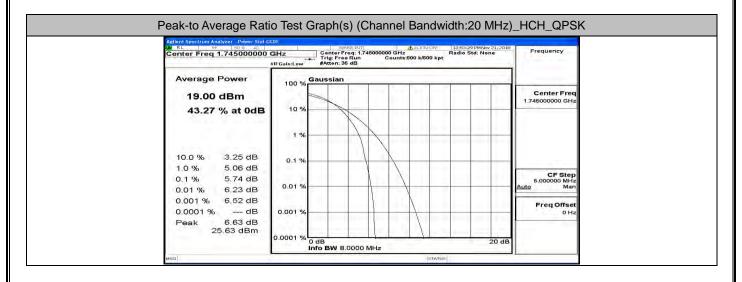


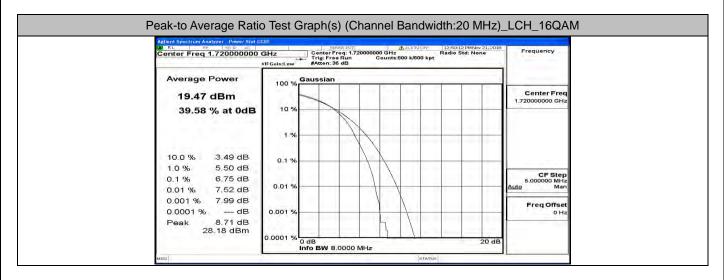


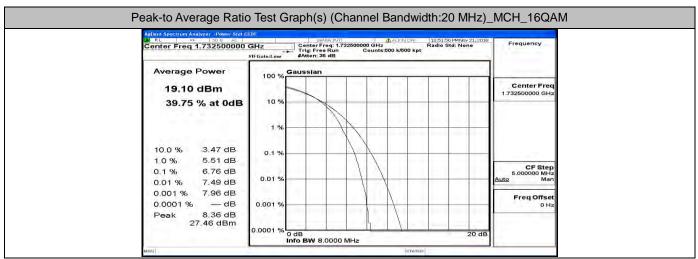


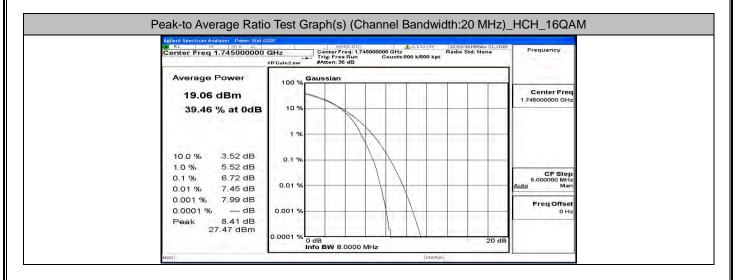












B.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)					
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict	
QPSK	LCH	1.0775	1.221	PASS	
	MCH	1.0724	1.205	PASS	
	HCH	1.0779	1.217	PASS	
16QAM	LCH	1.0787	1.222	PASS	
	MCH	1.0798	1.225	PASS	
	HCH	1.0749	1.233	PASS	

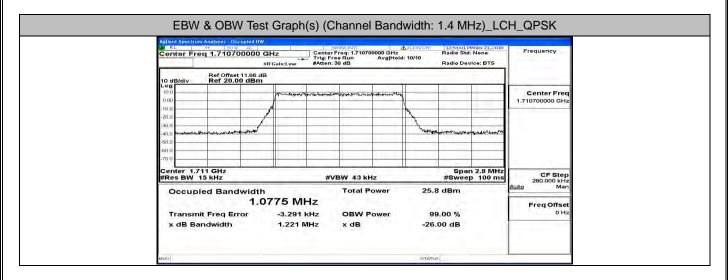
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	2.6850	2.855	PASS	
	MCH	2.6834	2.860	PASS	
	HCH	2.6850	2.879	PASS	
16QAM	LCH	2.6820	2.852	PASS	
	MCH	2.6802	2.875	PASS	
	HCH	2.6866	2.884	PASS	

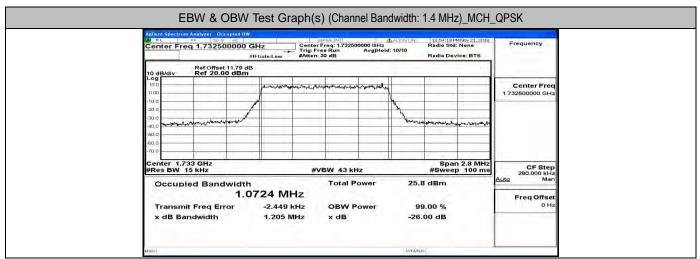
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	4.4883	4.824	PASS	
	MCH	4.4891	4.868	PASS	
	HCH	4.4725	4.793	PASS	
16QAM	LCH	4.4824	4.789	PASS	
	MCH	4.4728	4.825	PASS	
	HCH	4.4869	4.811	PASS	

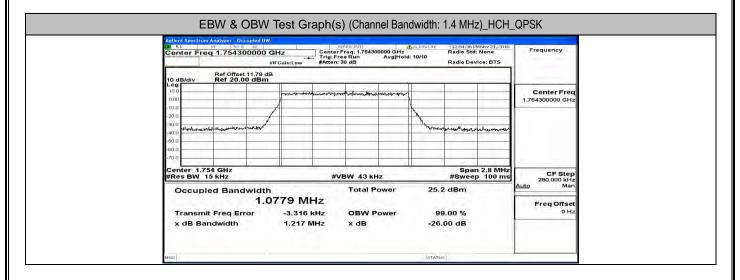
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	8.9299	9.504	PASS	
	MCH	8.9385	9.538	PASS	
	HCH	8.9386	9.396	PASS	
16QAM	LCH	8.9290	9.400	PASS	
	MCH	8.9331	9.424	PASS	
	HCH	8.9509	9.387	PASS	

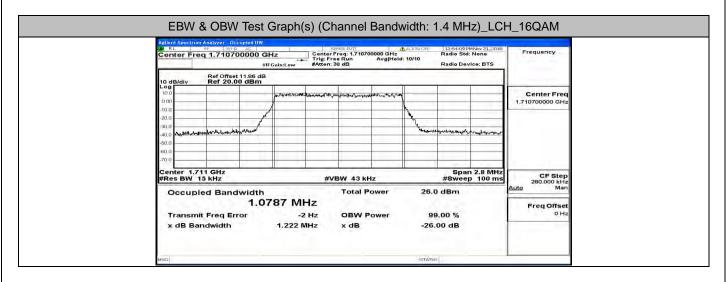
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	13.403	14.11	PASS	
	MCH	13.395	14.02	PASS	
	HCH	13.403	14.02	PASS	
16QAM	LCH	13.406	14.03	PASS	
	MCH	13.402	14.04	PASS	
	HCH	13.411	14.07	PASS	

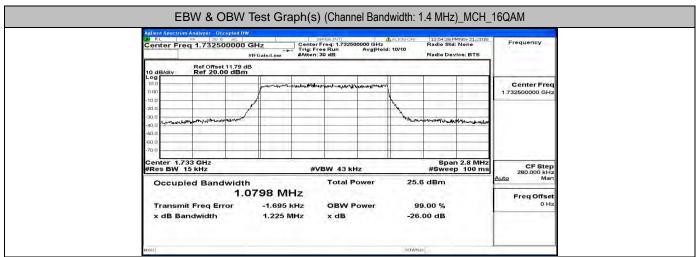
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	17.843	18.64	PASS	
	MCH	17.874	18.66	PASS	
	HCH	17.855	18.64	PASS	
16QAM	LCH	17.837	18.60	PASS	
	MCH	17.863	18.66	PASS	
	HCH	17.837	18.59	PASS	

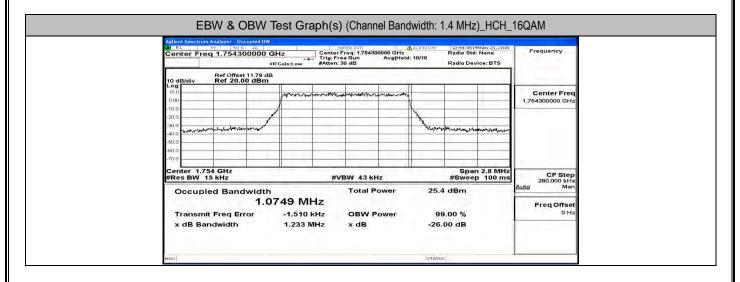


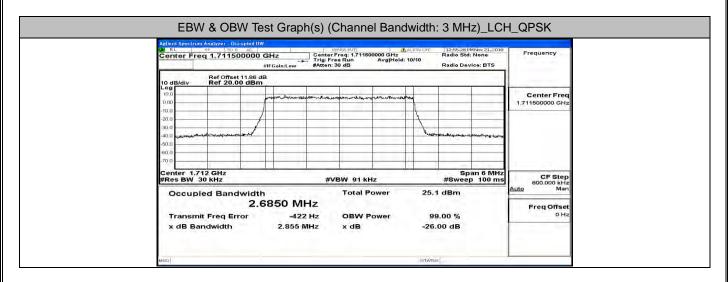


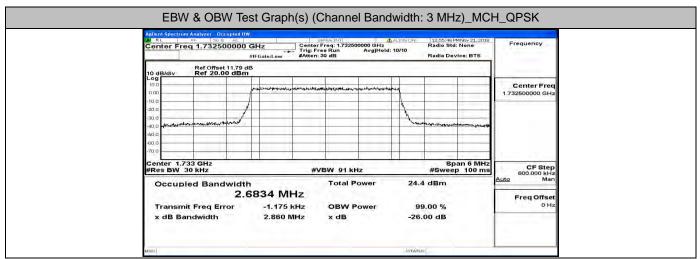


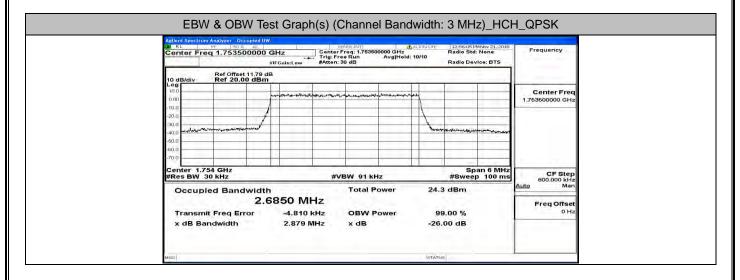


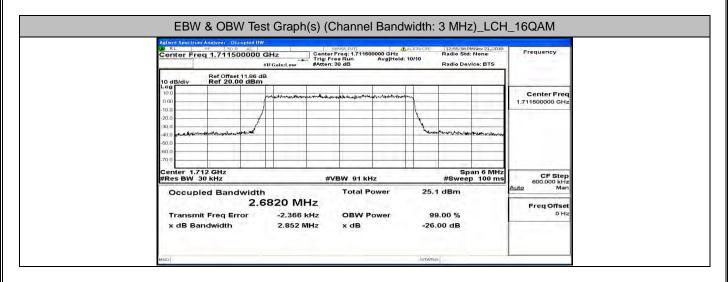


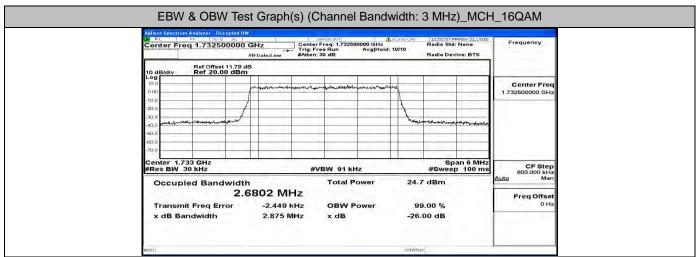


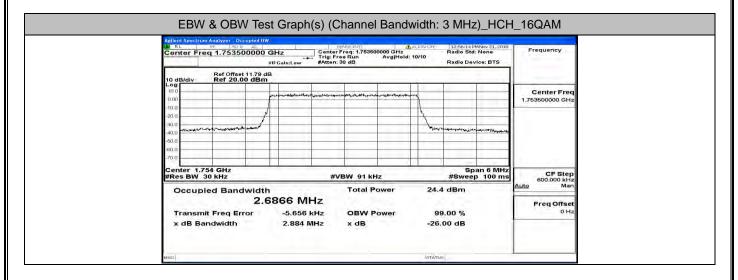


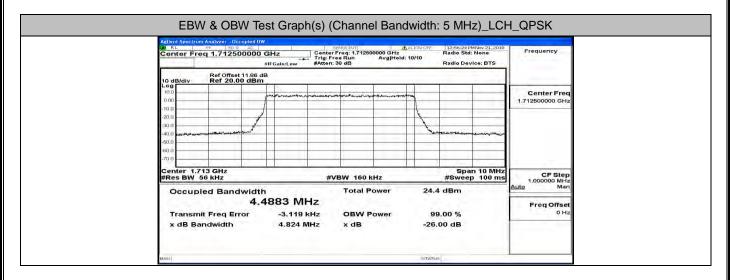


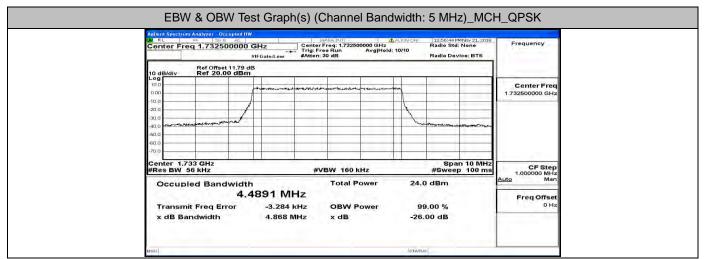


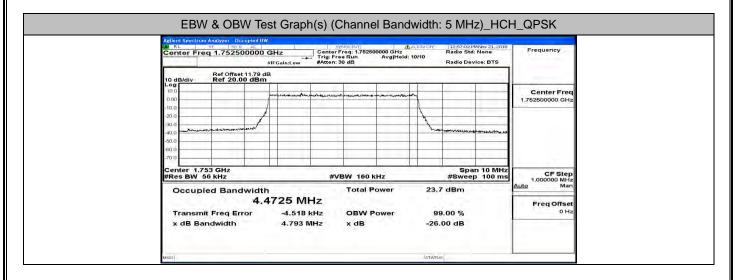


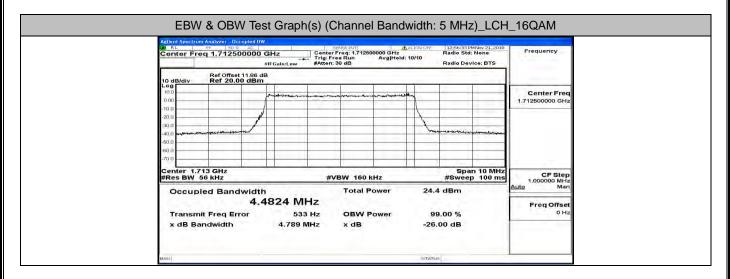


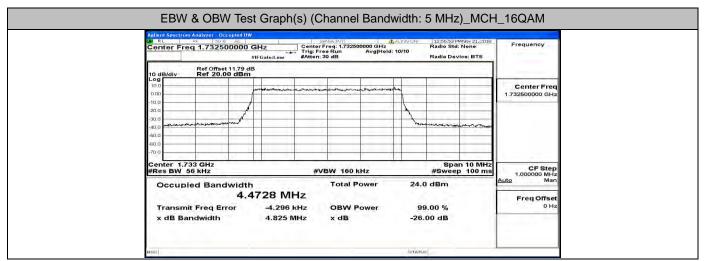


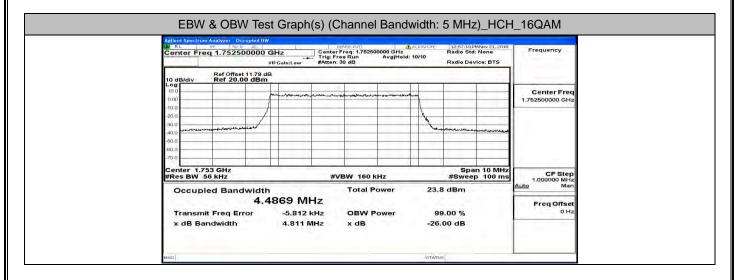


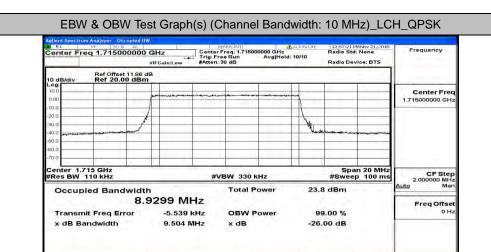


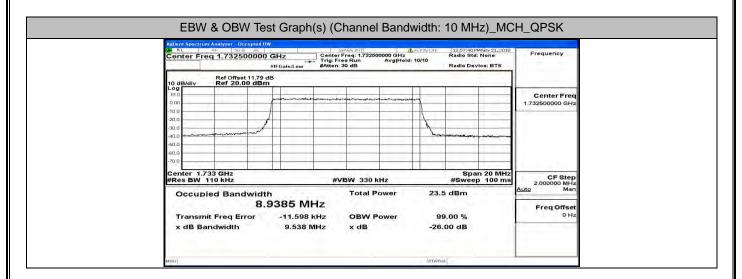


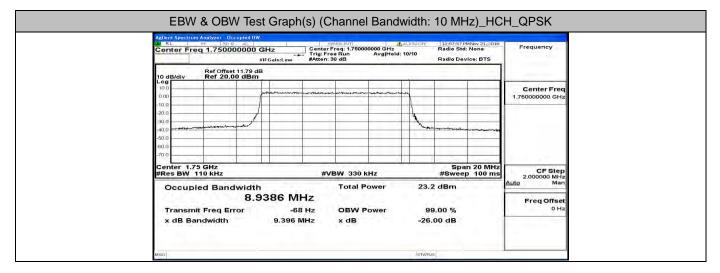


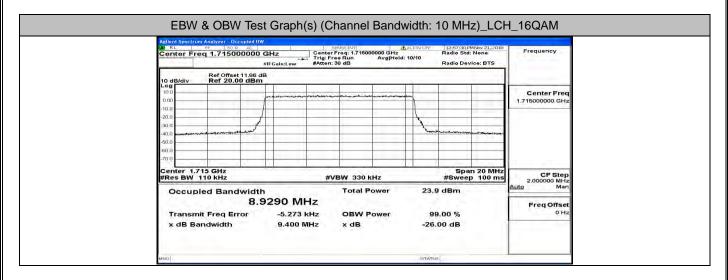


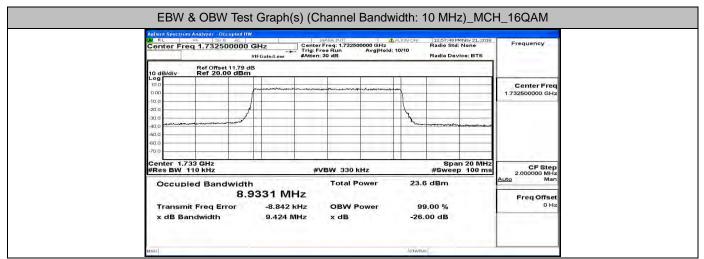


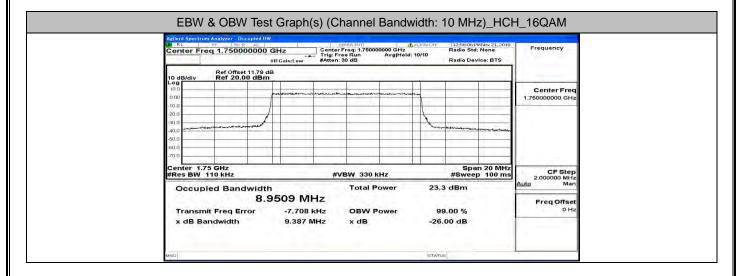


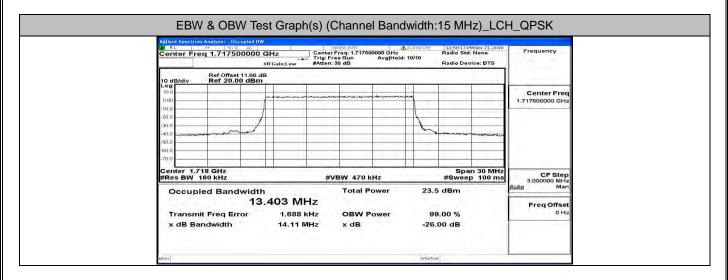


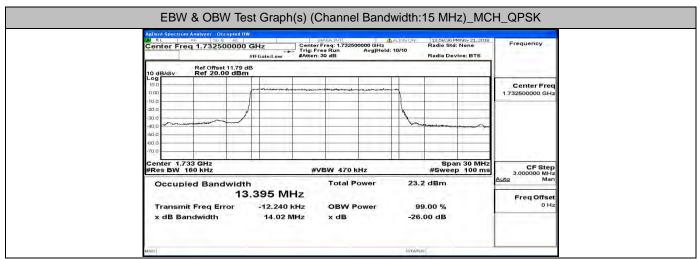


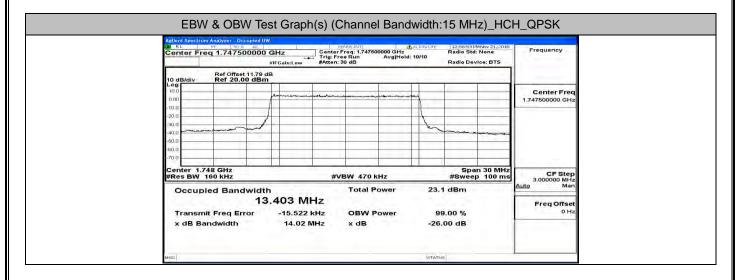


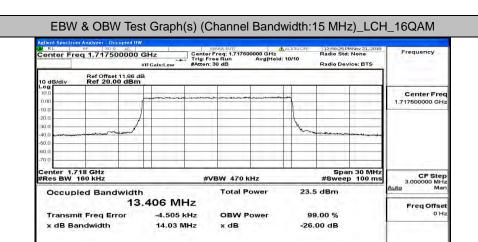


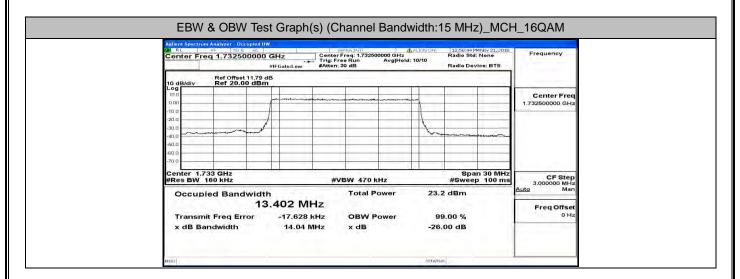


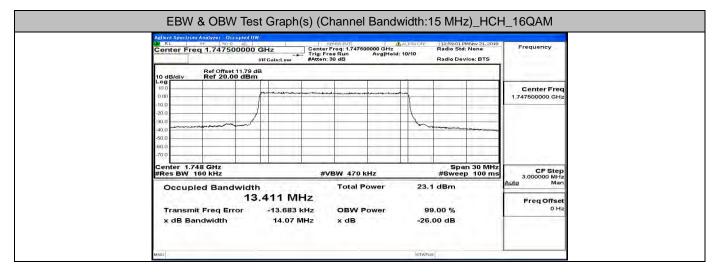


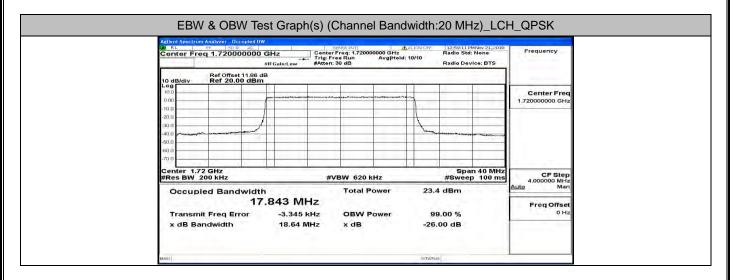


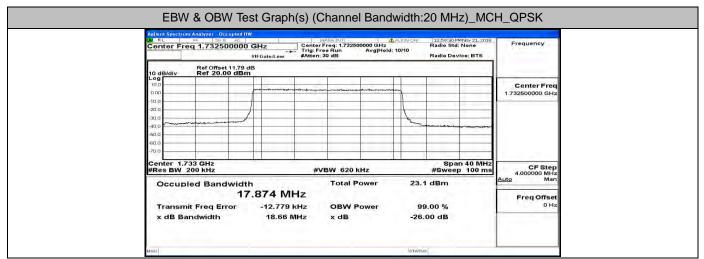


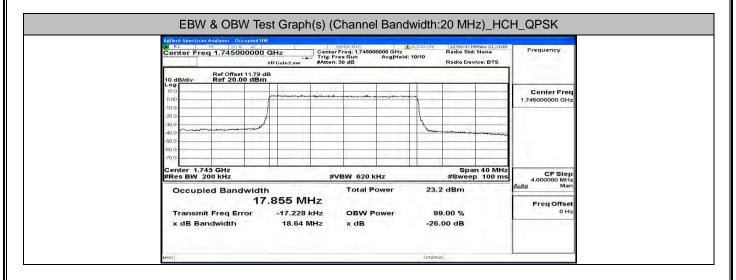


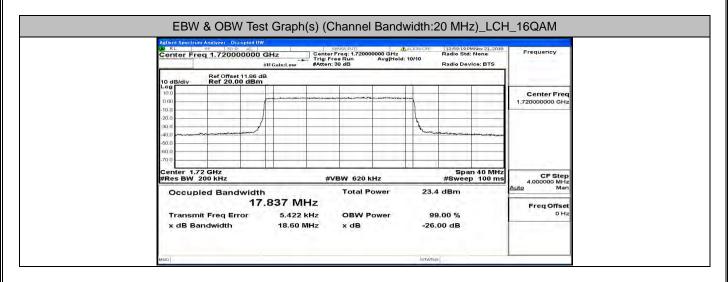


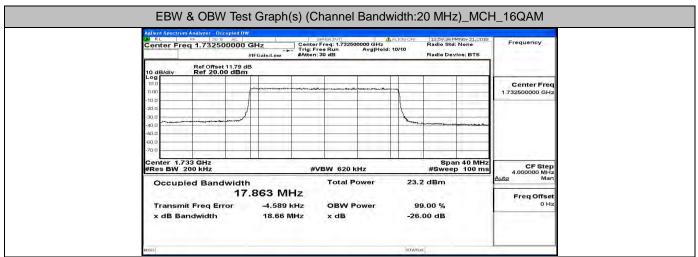


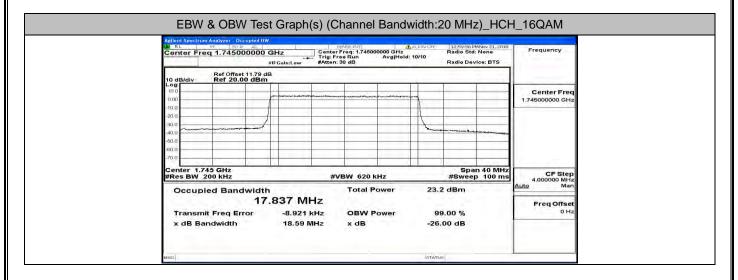












B.4 Band Edge

