Appendix A: Test Data for E-UTRA Band II

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

A.1 Conducted Output Power

	Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)							
Madulation	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	\/a ==li =4		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	25.15	24.40	PASS		
		1	3	25.15	24.48	PASS		
		1	5	25.19	24.45	PASS		
	LCH	3	0	25.23	24.36	PASS		
		3	2	25.24	24.33	PASS		
		3	3	25.25	24.34	PASS		
		6	0	24.31	23.29	PASS		
		1	0	25.15	25.04	PASS		
		1	3	25.71	25.04	PASS		
QPSK /	МСН	1	5	25.73	25.01	PASS		
16QAM		3	0	25.09	24.72	PASS		
IOQAW		3	2	25.11	24.71	PASS		
		3	3	25.02	24.69	PASS		
		6	0	24.79	23.73	PASS		
		1	0	25.63	24.82	PASS		
		1	3	25.64	24.92	PASS		
		1	5	25.67	24.88	PASS		
	HCH	3	0	25.23	24.74	PASS		
		3	2	25.68	24.71	PASS		
		3	3	25.71	24.75	PASS		
		6	0	24.73	23.84	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vendiet	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	25.20	24.47	PASS	
		1	7	25.28	24.56	PASS	
		1	14	25.29	24.54	PASS	
	LCH	8	0	24.34	23.42	PASS	
		8	4	24.37	23.41	PASS	
		8	7	24.40	23.43	PASS	
		15	0	24.36	23.31	PASS	
		1	0	25.65	24.89	PASS	
		1	7	25.31	24.91	PASS	
QPSK /	MCH	1	14	25.63	24.87	PASS	
16QAM		8	0	24.80	23.83	PASS	
IOQAW		8	4	24.81	23.83	PASS	
		8	7	24.81	23.82	PASS	
		15	0	24.78	23.72	PASS	
		1	0	25.57	24.84	PASS	
		1	7	25.62	24.92	PASS	
		1	14	25.12	24.94	PASS	
	HCH	8	0	24.64	23.65	PASS	
		8	4	24.66	23.65	PASS	
		8	7	24.70	23.67	PASS	
		15	0	24.63	23.65	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Vardiet		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	25.31	24.64	PASS		
		1	12	25.40	24.70	PASS		
		1	24	25.40	24.72	PASS		
	LCH	12	0	24.42	23.54	PASS		
		12	6	24.46	23.58	PASS		
		12	13	24.49	23.59	PASS		
		25	0	24.41	23.44	PASS		
		1	0	25.76	25.07	PASS		
	MCH	1	12	25.80	25.06	PASS		
QPSK /		1	24	25.70	24.99	PASS		
16QAM		12	0	24.84	23.94	PASS		
IOQAW		12	6	24.84	23.95	PASS		
		12	13	24.83	23.91	PASS		
		25	0	24.77	23.77	PASS		
		1	0	25.61	24.56	PASS		
		1	12	25.68	24.65	PASS		
		1	24	25.70	24.66	PASS		
	HCH	12	0	24.65	23.68	PASS		
		12	6	24.68	23.69	PASS		
		12	13	24.70	23.74	PASS		
		25	0	24.64	23.67	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict			
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict			
		1	0	25.27	24.56	PASS			
		1	24	25.45	24.71	PASS			
		1	49	25.44	24.71	PASS			
	LCH	25	0	24.42	23.41	PASS			
		25	12	24.48	23.48	PASS			
		25	25	24.53	23.54	PASS			
		50	0	24.49	23.48	PASS			
		1	0	25.61	24.90	PASS			
	мсн	1	24	25.21	25.01	PASS			
QPSK /		1	49	25.64	24.88	PASS			
16QAM		25	0	24.77	23.76	PASS			
TOQAW		25	12	24.76	23.75	PASS			
		25	25	24.73	23.73	PASS			
		50	0	24.74	23.74	PASS			
		1	0	25.29	24.73	PASS			
		1	24	25.50	24.81	PASS			
		1	49	25.30	24.75	PASS			
	HCH	25	0	24.46	23.50	PASS			
		25	12	24.51	23.55	PASS			
		25	25	24.61	23.63	PASS			
		50	0	24.54	23.60	PASS			

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)								
Madulation	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	\/andiat		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	25.27	24.54	PASS		
		1	37	25.23	24.76	PASS		
		1	74	25.24	24.57	PASS		
	LCH	37	0	24.54	23.49	PASS		
		37	18	24.58	23.54	PASS		
		37	38	24.55	23.53	PASS		
		75	0	24.57	23.54	PASS		
		1	0	25.50	24.83	PASS		
	мсн	1	37	25.75	24.97	PASS		
ODCK /		1	74	25.50	24.75	PASS		
QPSK / 16QAM		37	0	24.79	23.74	PASS		
IOQAW		37	18	24.86	23.79	PASS		
		37	38	24.78	23.72	PASS		
		75	0	24.81	23.78	PASS		
		1	0	25.08	24.37	PASS		
		1	37	25.40	24.70	PASS		
		1	74	25.43	24.75	PASS		
	нсн	37	0	24.26	23.33	PASS		
		37	18	24.53	23.55	PASS		
		37	38	24.68	23.63	PASS		
		75	0	24.56	23.57	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)								
Madulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	\/andiat			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	25.43	24.58	PASS			
		1	49	25.18	24.76	PASS			
		1	99	25.10	24.33	PASS			
	LCH	50	0	24.52	23.49	PASS			
		50	25	24.52	23.52	PASS			
		50	50	24.29	23.37	PASS			
		100	0	24.53	23.54	PASS			
		1	0	25.56	24.75	PASS			
	MCH	1	49	25.90	25.03	PASS			
ODCK /		1	99	25.51	24.70	PASS			
QPSK / 16QAM		50	0	24.76	23.75	PASS			
TOQAW		50	25	24.79	23.77	PASS			
		50	50	24.71	23.68	PASS			
		100	0	24.71	23.70	PASS			
		1	0	25.53	24.90	PASS			
		1	49	25.21	24.55	PASS			
		1	99	25.23	24.63	PASS			
	HCH	50	0	24.00	23.11	PASS			
		50	25	24.19	23.28	PASS			
		50	50	24.53	23.63	PASS			
		100	0	24.30	23.37	PASS			

A.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	4.99	<13	PASS			
QPSK	MCH	4.95	<13	PASS			
	HCH	4.87	<13	PASS			
	LCH	5.84	<13	PASS			
16QAM	MCH	5.8	<13	PASS			
	HCH	5.72	<13	PASS			

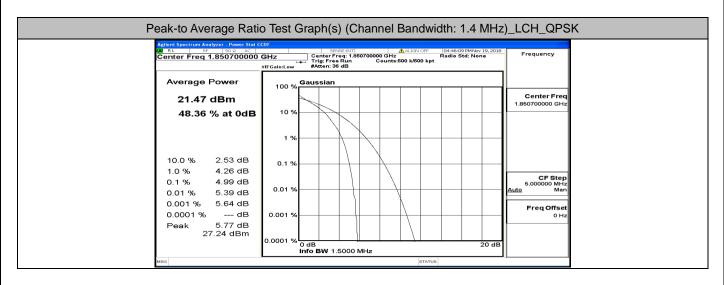
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Channel	[dB]	[dB]	verdict			
	LCH	5	<13	PASS			
QPSK	MCH	5.06	<13	PASS			
	HCH	5.05	<13	PASS			
16QAM	LCH	5.89	<13	PASS			
	MCH	5.86	<13	PASS			
	HCH	5.81	<13	PASS			

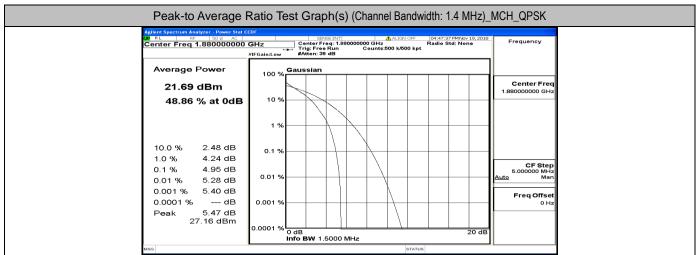
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Griannei	[dB]	[dB]	verdict			
	LCH	5	<13	PASS			
QPSK	MCH	4.99	<13	PASS			
	HCH	4.96	<13	PASS			
	LCH	5.81	<13	PASS			
16QAM	MCH	5.81	<13	PASS			
	HCH	5.78	<13	PASS			

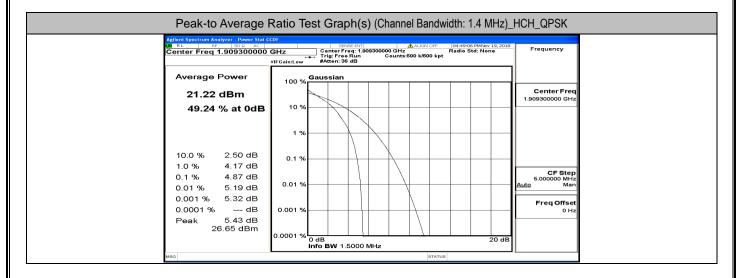
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
IVIOGUIATION	Channel	[dB]	[dB]	verdict			
	LCH	4.98	<13	PASS			
QPSK	MCH	5.01	<13	PASS			
	HCH	5.13	<13	PASS			
	LCH	8.39	<13	PASS			
16QAM	MCH	8.38	<13	PASS			
	HCH	5.86	<13	PASS			

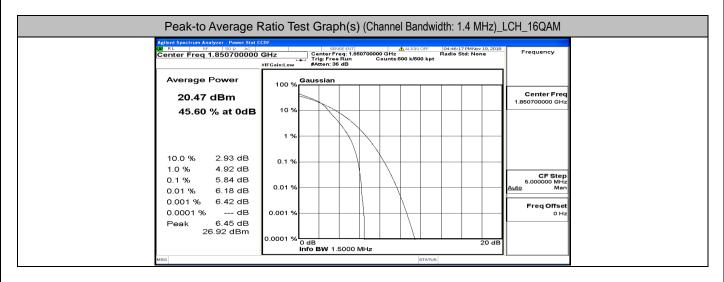
	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
Modulation	Griannei	[dB]	[dB]	verdict				
	LCH	4.95	<13	PASS				
QPSK	MCH	4.92	<13	PASS				
	HCH	4.93	<13	PASS				
	LCH	6.06	<13	PASS				
16QAM	MCH	6.05	<13	PASS				
	HCH	6.16	<13	PASS				

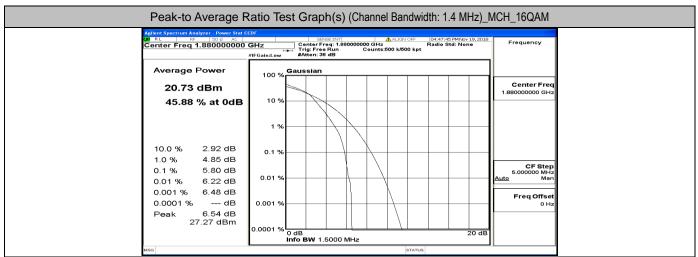
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)					
Mandadada	Channel	Peak-to-Average Ratio	Limit	Verdict	
Modulation		[dB]	[dB]		
QPSK	LCH	5.7	<13	PASS	
	MCH	5.62	<13	PASS	
	HCH	5.84	<13	PASS	
16QAM	LCH	6.64	<13	PASS	
	MCH	6.59	<13	PASS	
	HCH	6.78	<13	PASS	

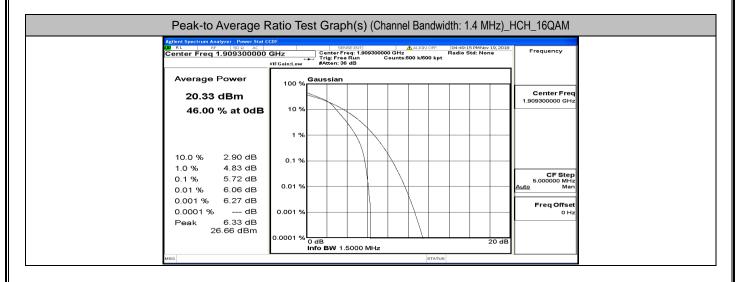


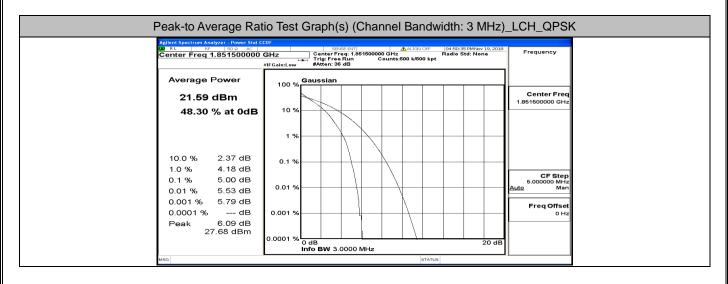


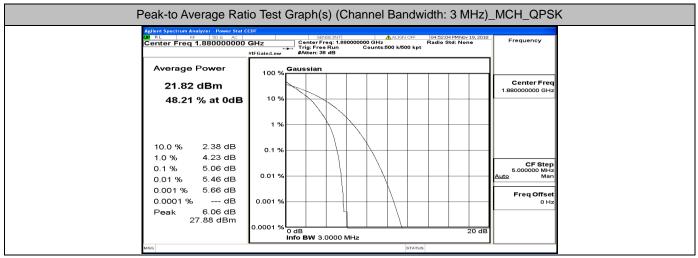


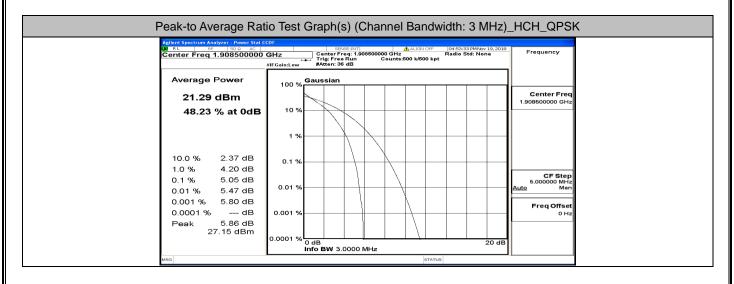


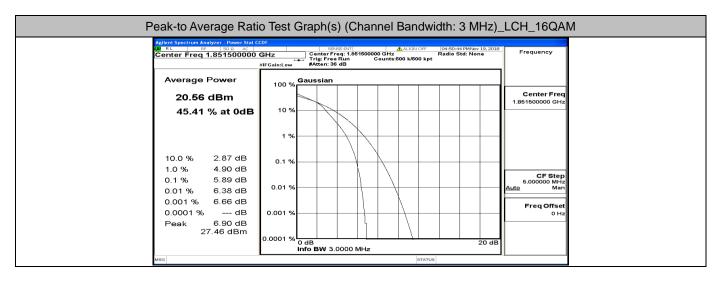


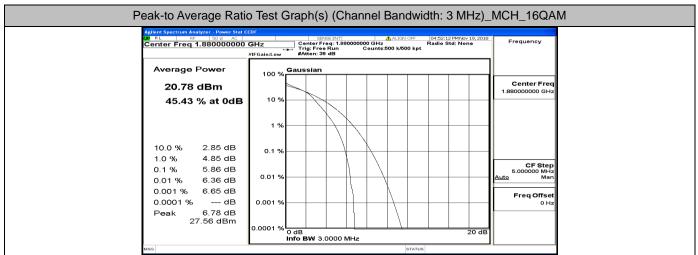


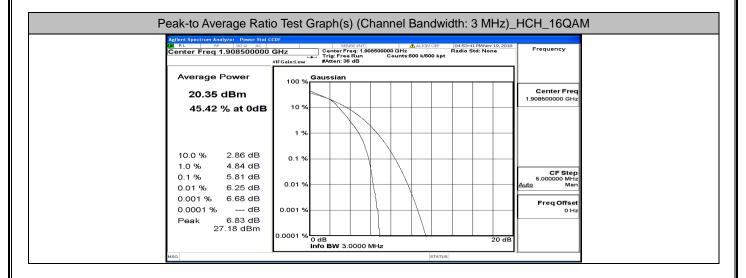


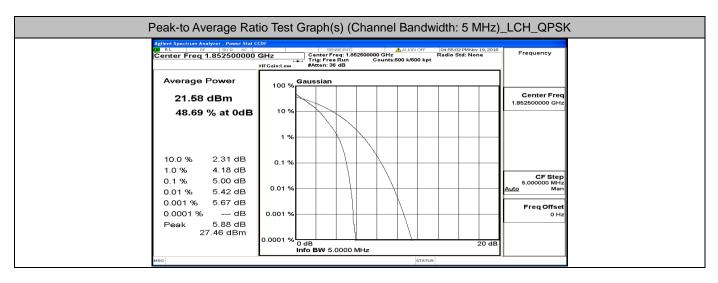


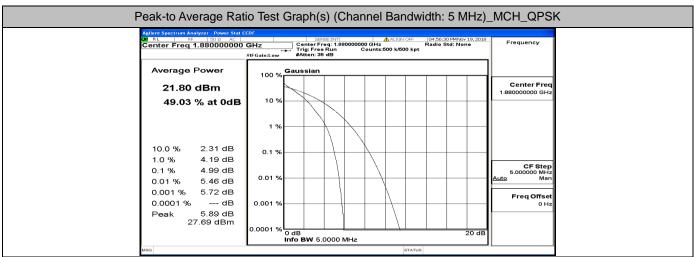


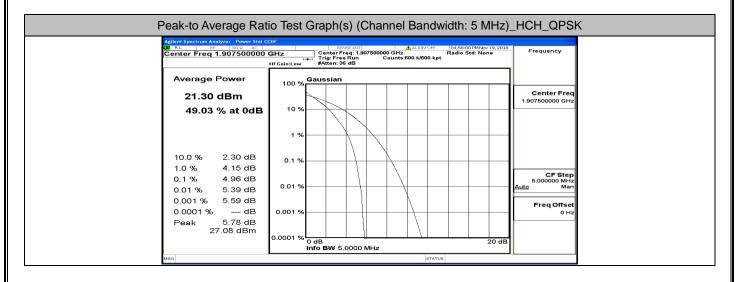


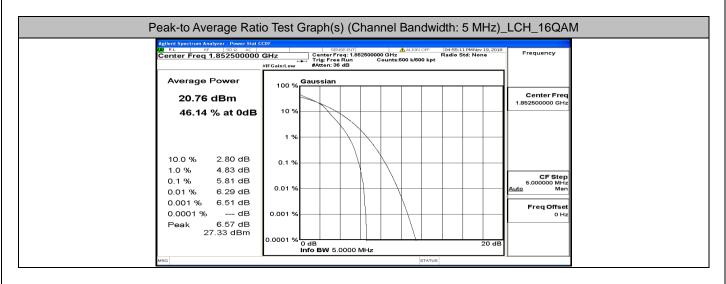


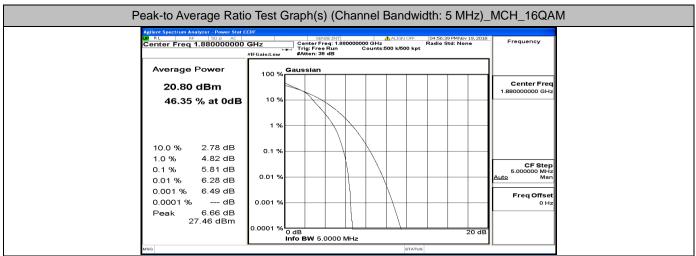


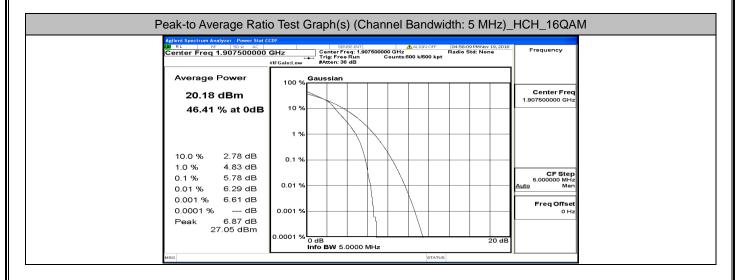


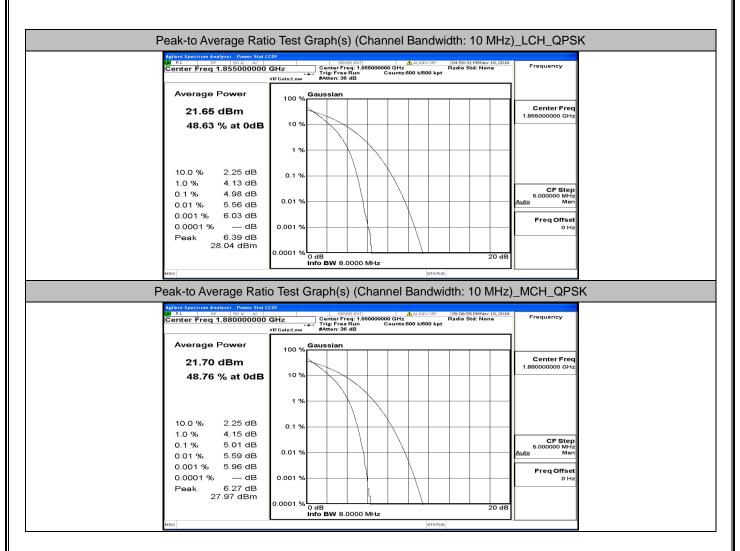


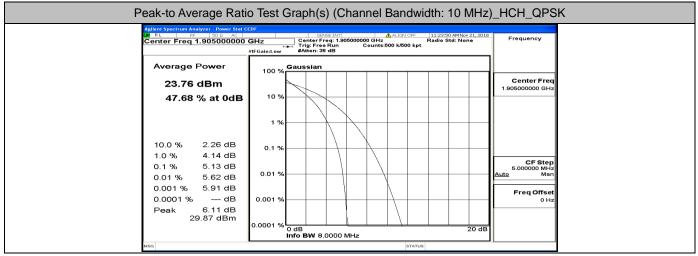


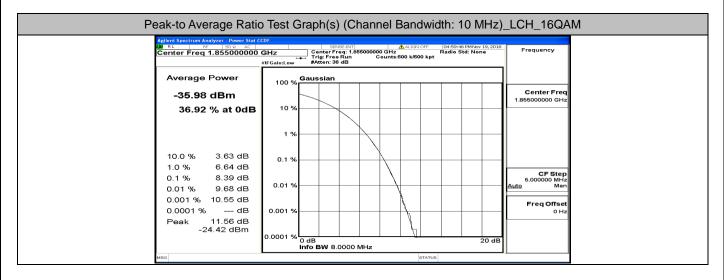


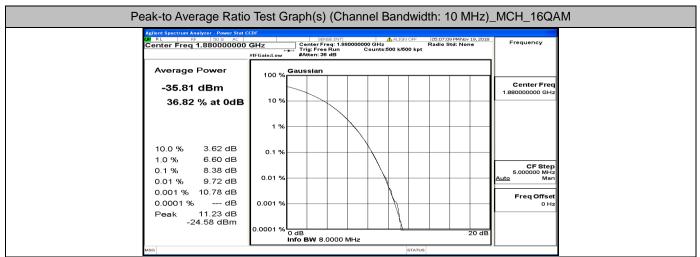


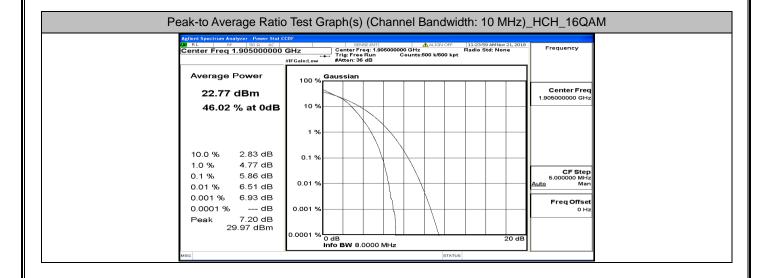


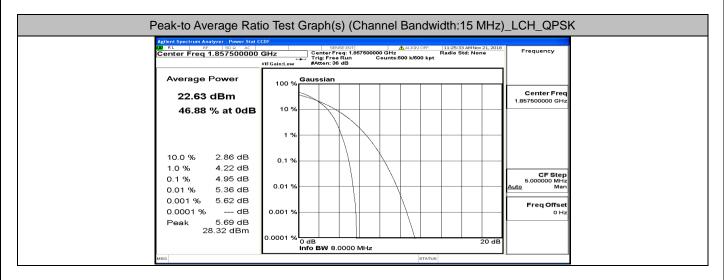


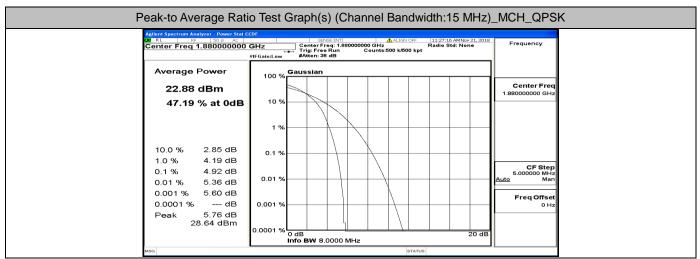


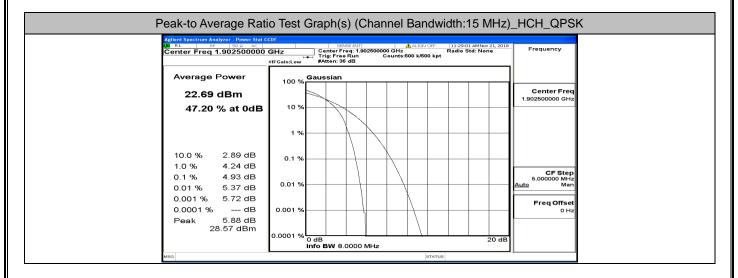


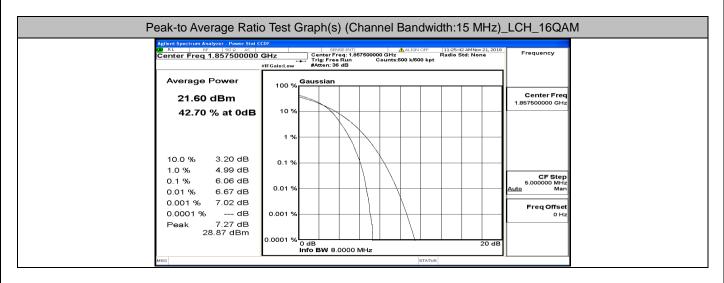


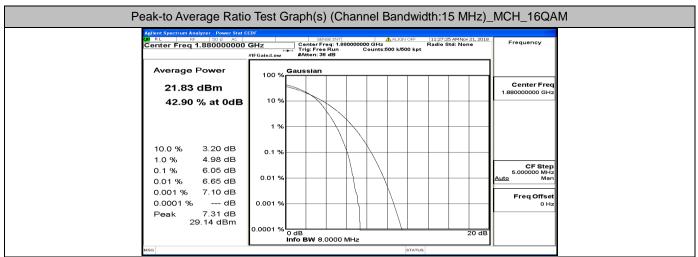


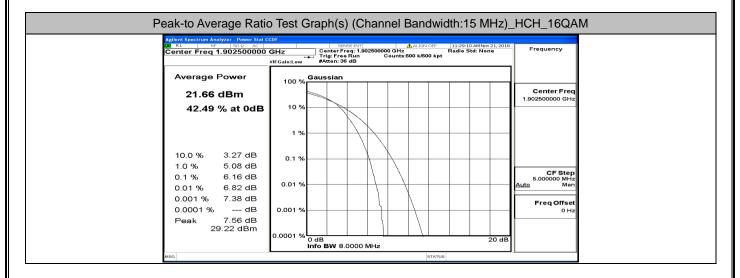


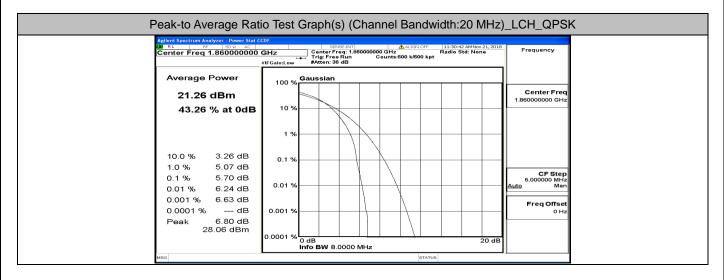


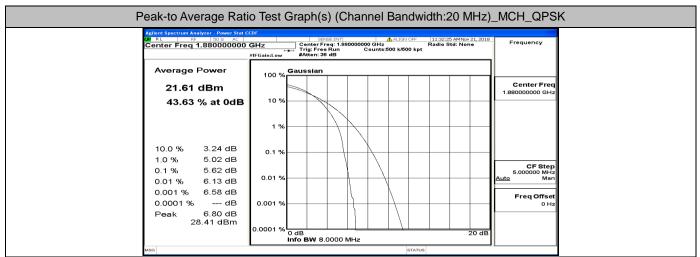


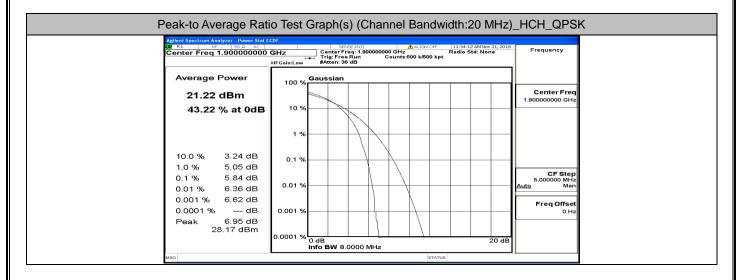


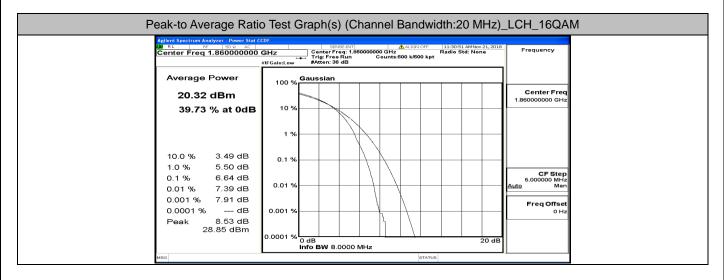


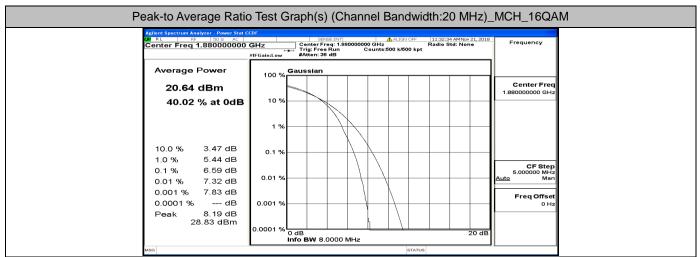


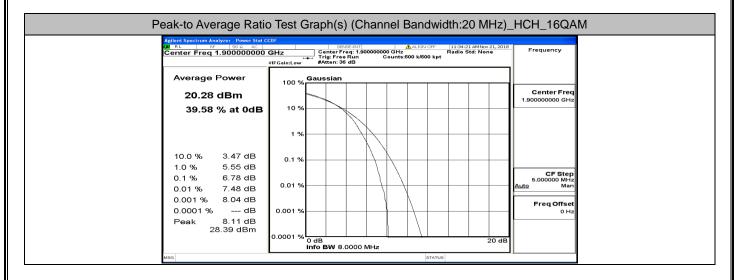












A.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	1.0779	1.233	PASS	
	MCH	1.0764	1.210	PASS	
	HCH	1.0781	1.226	PASS	
16QAM	LCH	1.0801	1.240	PASS	
	MCH	1.0805	1.215	PASS	
	HCH	1.0775	1.214	PASS	

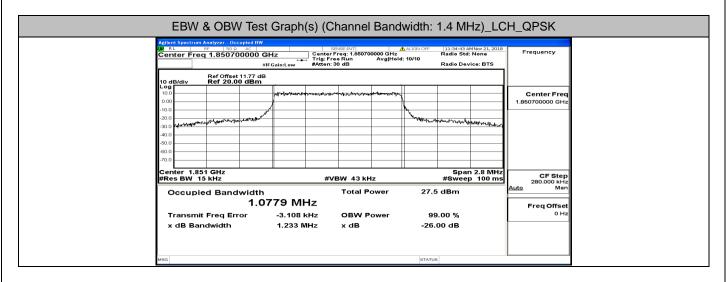
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	2.6826	2.875	PASS
	MCH	2.6852	2.854	PASS
	HCH	2.6828	2.885	PASS
16QAM	LCH	2.6809	2.869	PASS
	MCH	2.6872	2.886	PASS
	HCH	2.6881	2.866	PASS

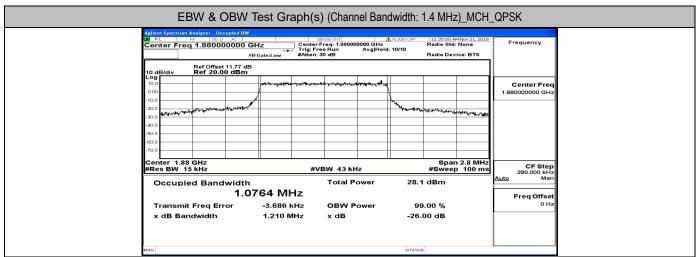
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	4.4868	4.876	PASS	
	MCH	4.4818	4.845	PASS	
	HCH	4.4743	4.853	PASS	
16QAM	LCH	4.4830	4.831	PASS	
	MCH	4.4839	4.895	PASS	
	HCH	4.4822	4.821	PASS	

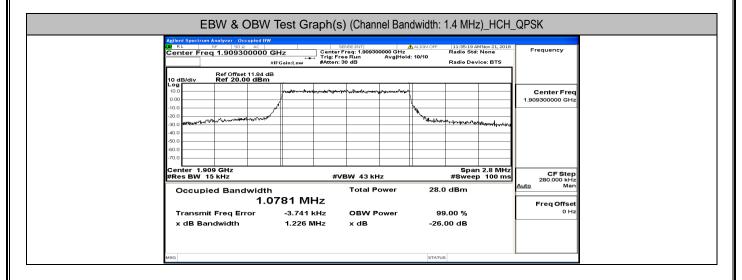
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	8.9432	9.569	PASS	
	MCH	8.9327	9.433	PASS	
	HCH	8.9133	9.429	PASS	
16QAM	LCH	8.9332	9.415	PASS	
	MCH	8.9277	9.506	PASS	
	HCH	8.9265	9.398	PASS	

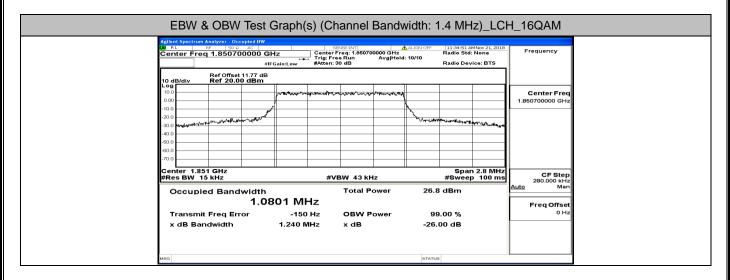
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	13.408	14.03	PASS	
	MCH	13.397	14.08	PASS	
	HCH	13.376	13.98	PASS	
16QAM	LCH	13.391	14.06	PASS	
	MCH	13.380	14.01	PASS	
	HCH	13.370	13.99	PASS	

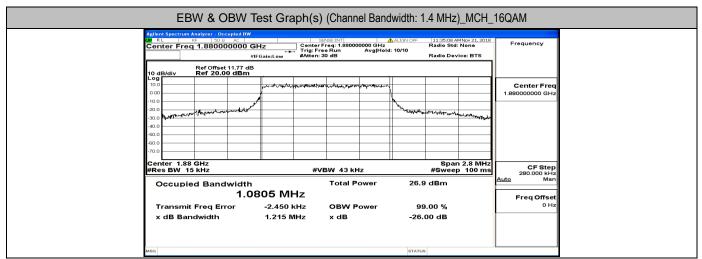
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict	
	LCH	17.857	18.65	PASS	
	LCH	17.837	10.03	PASS	
QPSK	MCH	17.845	18.65	PASS	
	HCH	17.855	18.58	PASS	
16QAM	LCH	17.885	18.56	PASS	
	MCH	17.848	18.62	PASS	
	HCH	17.847	18.64	PASS	

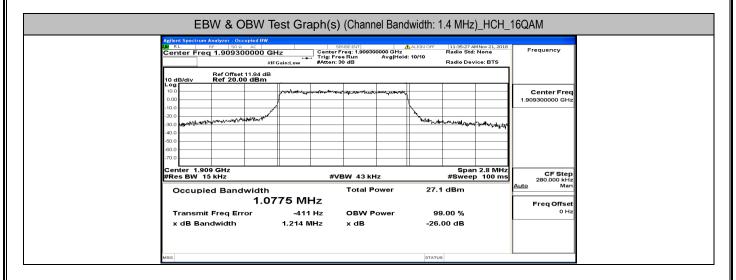


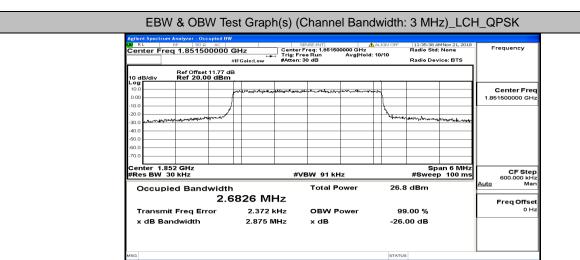


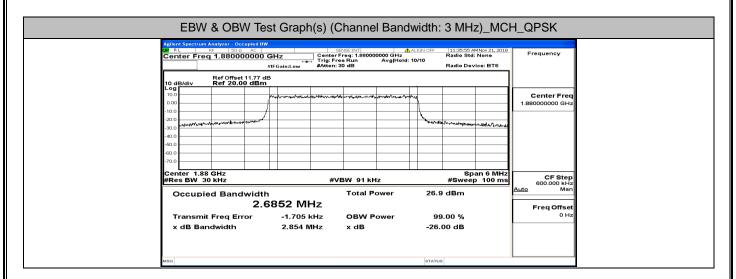


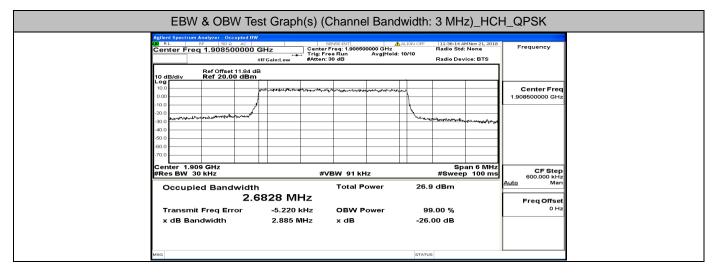


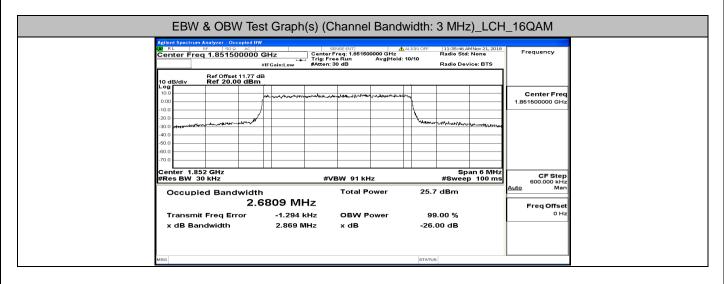


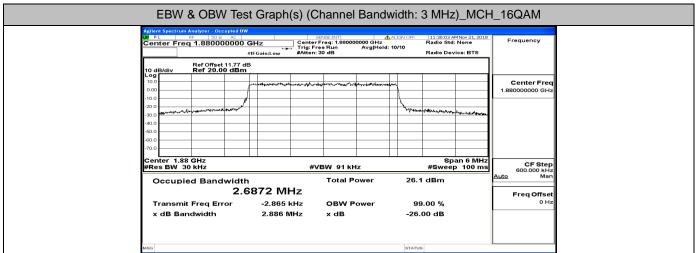


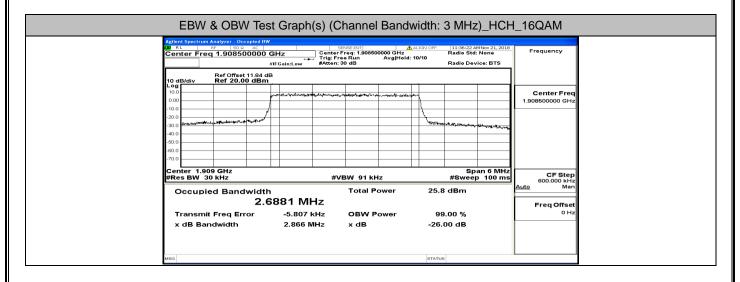


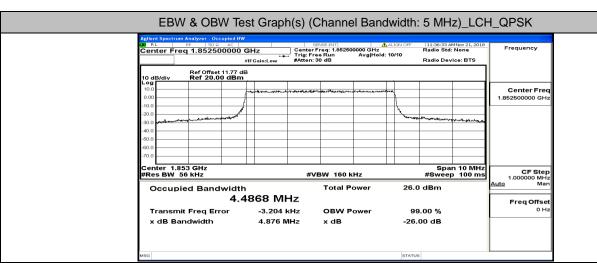


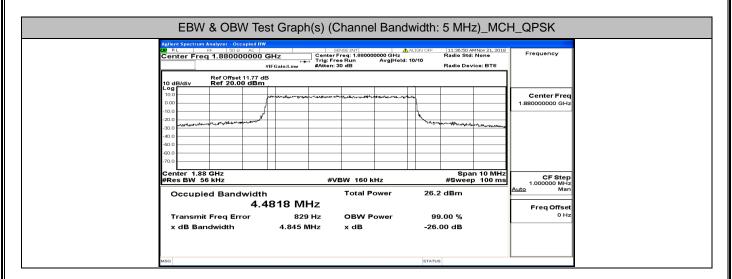


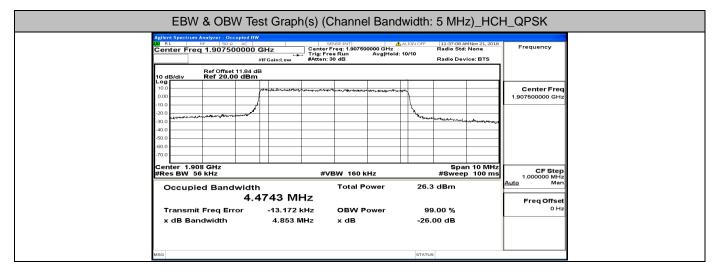


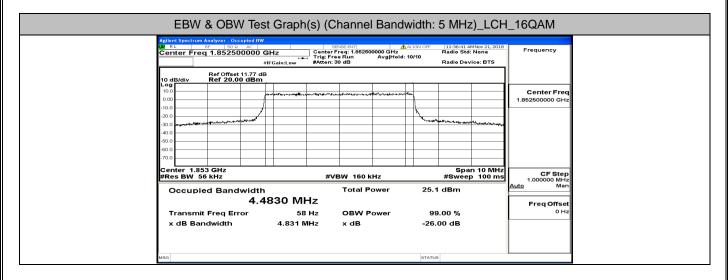


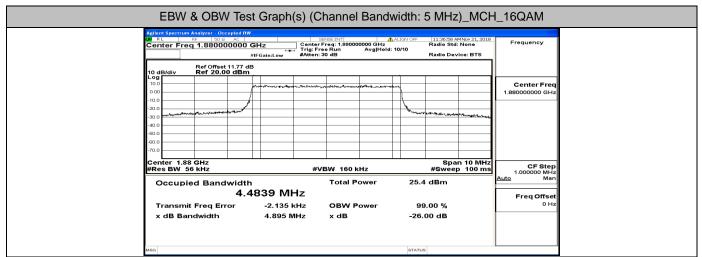


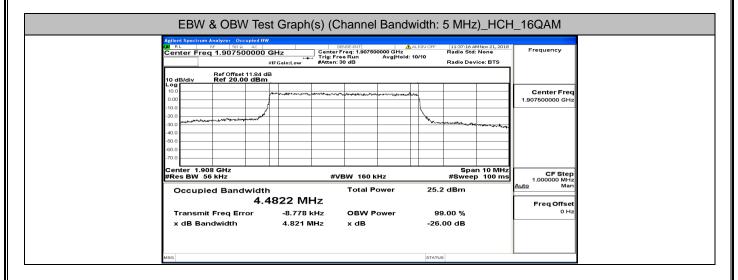


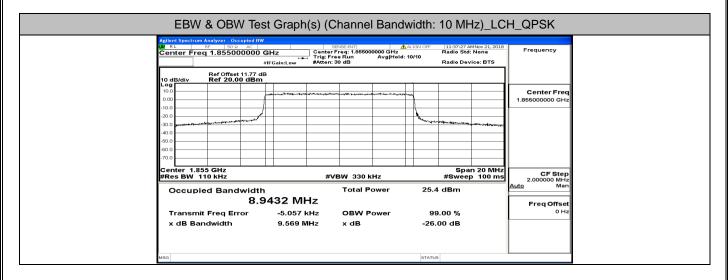


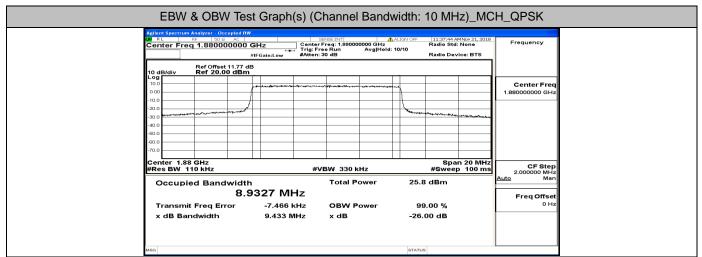


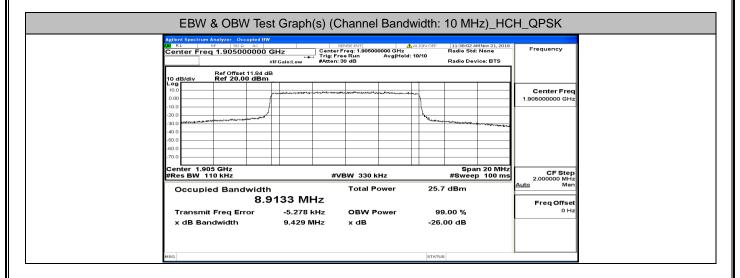


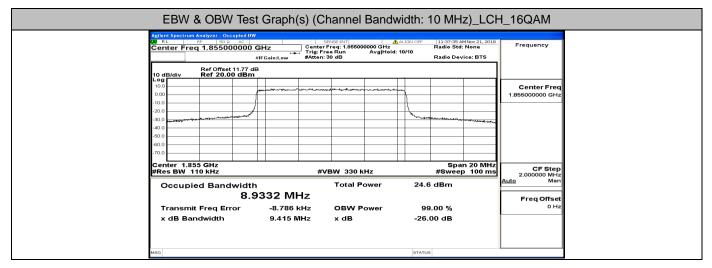


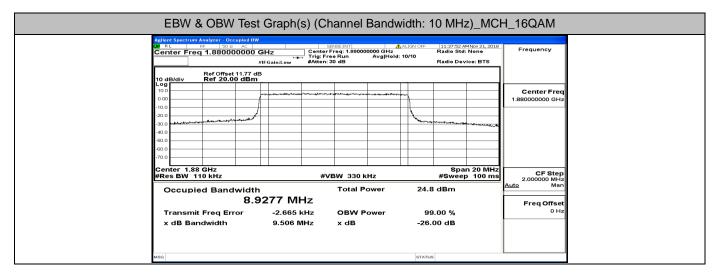


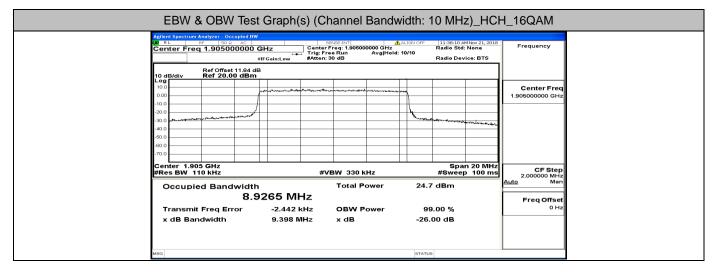


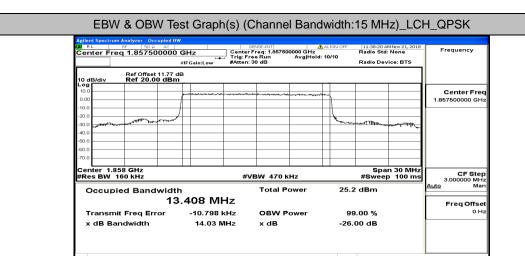


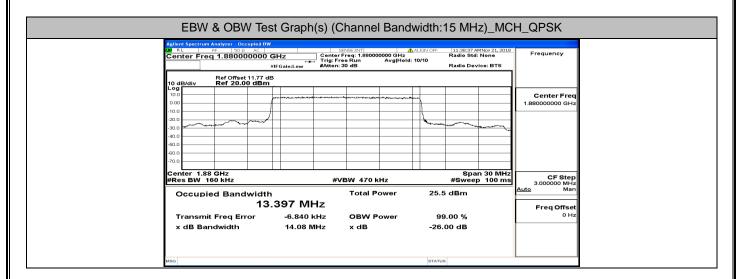


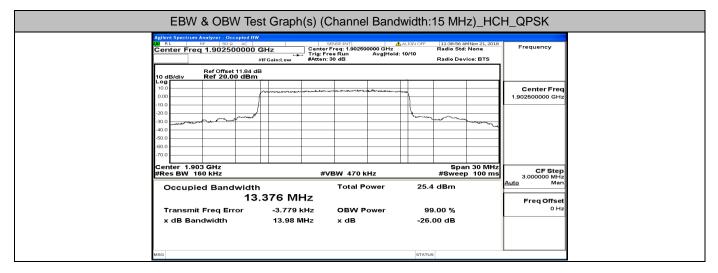


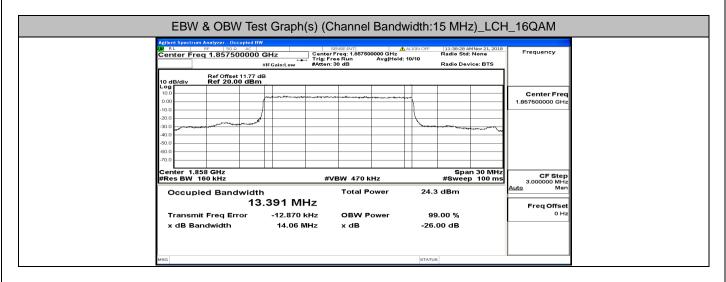


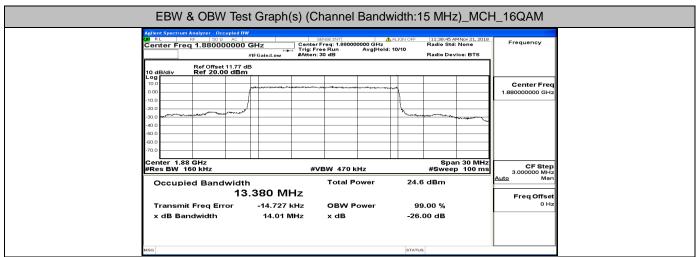


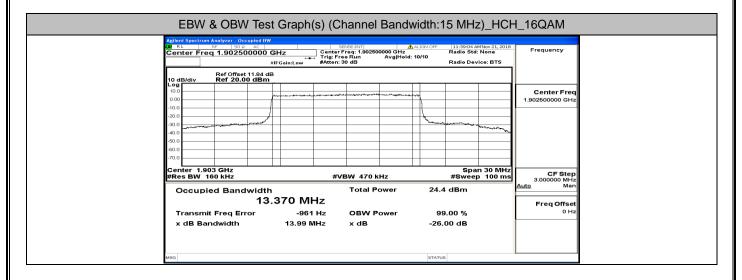


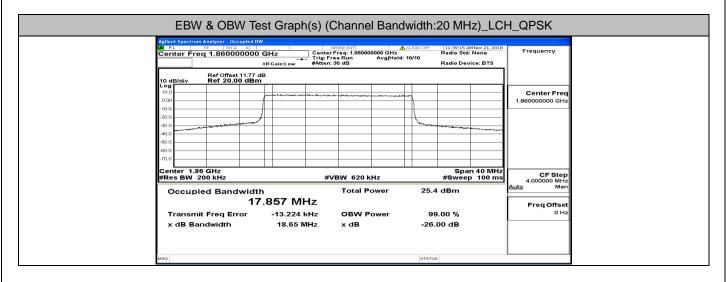


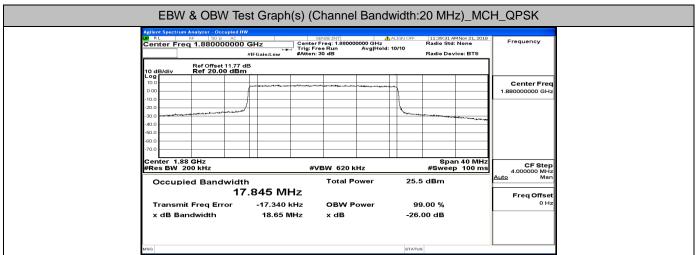


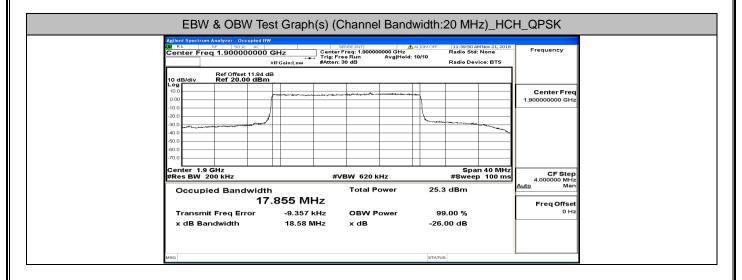


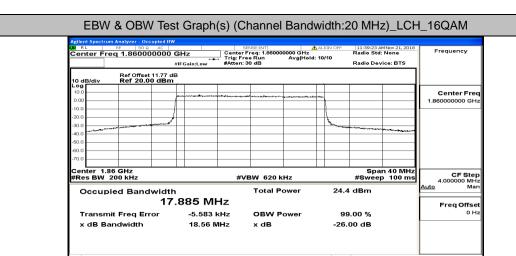


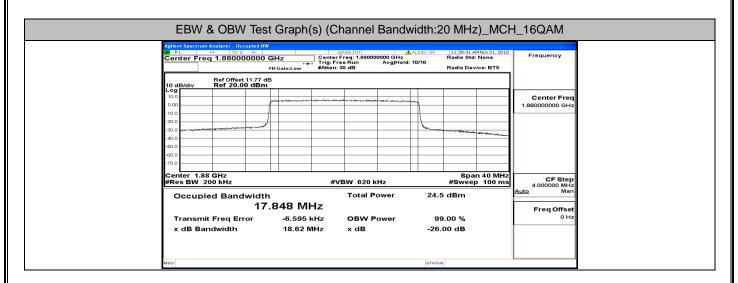


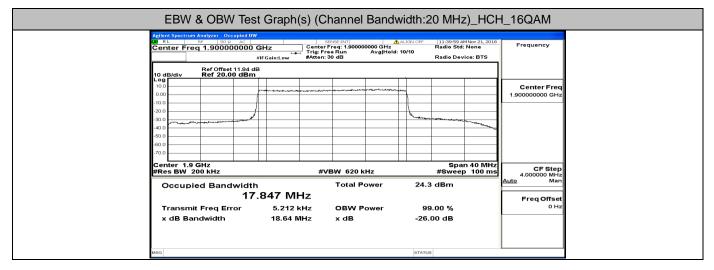












A.4 Band Edge

