Appendix E: Test Data for E-UTRA Band 4

Product Name: Camcorder

Trade Mark: ZECO

Test Model: DSJ-AI

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Ryan.Hu
Supervised by:	Jayden Zhuo

E.1 Conducted Output Power

	Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)							
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
Modulation	Chamilei	Size	Offset	QPSK	16QAM	verdict		
		1	0	22.62	21.51	PASS		
		1	3	22.04	21.83	PASS		
		1	5	22.29	21.54	PASS		
	LCH	3	0	22.22	21.61	PASS		
		3	2	22.65	21.63	PASS		
		3	3	21.93	21.56	PASS		
		6	0	22.14	21.59	PASS		
		1	0	22.46	21.65	PASS		
		1	3	22.44	21.30	PASS		
QPSK /		1	5	21.98	21.18	PASS		
16QAM	MCH	3	0	22.33	21.68	PASS		
TOQAW		3	2	22.44	21.35	PASS		
		3	3	21.93	21.47	PASS		
		6	0	22.31	21.76	PASS		
		1	0	22.28	21.46	PASS		
		1	3	22.03	21.50	PASS		
		1	5	22.42	21.46	PASS		
	HCH	3	0	22.70	21.82	PASS		
		3	2	21.98	21.45	PASS		
		3	3	22.23	21.72	PASS		
		6	0	22.05	21.59	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)								
Modulation	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	Vardiat		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	22.09	21.61	PASS		
		1	7	22.39	21.48	PASS		
		1	14	22.40	21.76	PASS		
	LCH	8	0	22.07	21.37	PASS		
		8	4	22.13	21.56	PASS		
		8	7	22.20	21.39	PASS		
		15	0	22.06	21.46	PASS		
		1	0	22.02	21.99	PASS		
		1	7	22.46	21.64	PASS		
ODCK /	МСН	1	14	22.13	21.99	PASS		
QPSK / 16QAM		8	0	21.99	21.57	PASS		
TOQAW		8	4	22.25	21.98	PASS		
		8	7	22.56	21.65	PASS		
		15	0	22.53	21.69	PASS		
		1	0	22.64	21.31	PASS		
		1	7	22.63	21.43	PASS		
		1	14	21.97	21.37	PASS		
	HCH	8	0	22.40	21.35	PASS		
		8	4	22.42	21.41	PASS		
		8	7	22.66	21.79	PASS		
		15	0	22.65	21.96	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict			
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict			
		1	0	22.44	21.78	PASS			
		1	12	22.59	21.52	PASS			
		1	24	22.27	21.53	PASS			
	LCH	12	0	22.19	21.62	PASS			
		12	6	22.21	21.46	PASS			
		12	13	22.46	21.78	PASS			
		25	0	22.57	21.84	PASS			
		1	0	22.66	21.42	PASS			
		1	12	22.22	21.53	PASS			
QPSK /		1	24	21.91	21.44	PASS			
16QAM	MCH	12	0	22.18	21.51	PASS			
TOQAW		12	6	22.29	21.81	PASS			
		12	13	22.05	21.76	PASS			
		25	0	22.54	22.00	PASS			
		1	0	22.39	21.71	PASS			
		1	12	22.65	21.59	PASS			
		1	24	22.52	22.03	PASS			
	HCH	12	0	22.65	21.57	PASS			
		12	6	22.08	21.76	PASS			
		12	13	22.22	21.83	PASS			
		25	0	22.09	21.79	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	22.61	21.91	PASS			
		1	24	22.10	21.41	PASS			
		1	49	22.52	21.98	PASS			
	LCH	25	0	22.23	21.57	PASS			
		25	12	22.23	21.87	PASS			
		25	25	22.40	21.83	PASS			
		50	0	22.07	21.89	PASS			
		1	0	22.47	21.30	PASS			
		1	24	22.00	21.43	PASS			
QPSK /		1	49	22.23	21.61	PASS			
16QAM	MCH	25	0	22.23	21.92	PASS			
TOQAW		25	12	22.39	21.87	PASS			
		25	25	22.06	21.65	PASS			
		50	0	22.58	21.89	PASS			
		1	0	21.97	21.33	PASS			
		1	24	22.22	21.68	PASS			
		1	49	22.39	21.34	PASS			
	HCH	25	0	22.51	21.72	PASS			
		25	12	21.95	21.21	PASS			
		25	25	22.15	21.36	PASS			
		50	0	21.94	21.34	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	22.64	21.39	PASS			
		1	37	22.13	21.30	PASS			
		1	74	22.34	21.65	PASS			
	LCH	37	0	22.58	21.64	PASS			
		37	18	21.96	21.54	PASS			
		37	38	22.37	21.88	PASS			
		75	0	22.54	21.90	PASS			
		1	0	22.09	21.57	PASS			
	мсн	1	37	22.35	21.84	PASS			
QPSK /		1	74	22.37	21.66	PASS			
16QAM		37	0	22.57	22.05	PASS			
TOQAW		37	18	22.39	21.85	PASS			
		37	38	22.37	21.92	PASS			
		75	0	22.61	21.72	PASS			
		1	0	22.47	21.94	PASS			
		1	37	22.42	21.68	PASS			
		1	74	22.59	21.76	PASS			
	HCH	37	0	22.26	21.58	PASS			
		37	18	22.54	21.79	PASS			
		37	38	22.28	21.84	PASS			
		75	0	22.61	21.80	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	22.30	21.76	PASS		
		1	49	22.79	21.86	PASS		
		1	99	22.39	21.82	PASS		
	LCH	50	0	22.86	21.93	PASS		
		50	25	22.22	21.76	PASS		
		50	50	22.48	21.61	PASS		
		100	0	22.47	21.73	PASS		
		1	0	22.79	21.89	PASS		
		1	49	22.20	21.80	PASS		
QPSK /		1	99	22.15	21.69	PASS		
16QAM	MCH	50	0	22.45	21.96	PASS		
IOQAW		50	25	22.44	21.91	PASS		
		50	50	22.39	21.83	PASS		
		100	0	22.77	21.72	PASS		
		1	0	22.27	21.75	PASS		
		1	49	22.34	21.87	PASS		
		1	99	22.12	21.80	PASS		
	HCH	50	0	22.81	21.75	PASS		
		50	25	22.41	21.80	PASS		
		50	50	22.53	21.97	PASS		
		100	0	22.20	21.92	PASS		

E.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	5.02	<13	PASS		
QPSK	MCH	4.80	<13	PASS		
	HCH	5.00	<13	PASS		
16QAM	LCH	5.77	<13	PASS		
	MCH	5.59	<13	PASS		
	HCH	5.78	<13	PASS		

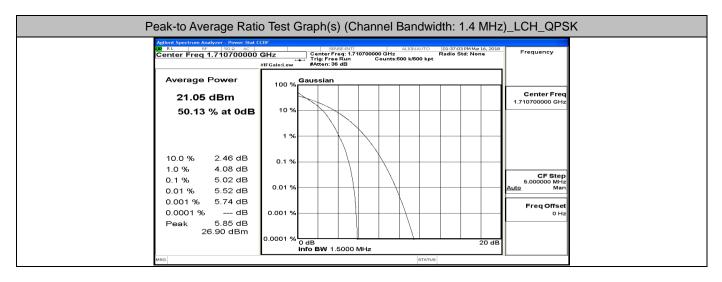
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Channel	[dB]	[dB]	verdict		
	LCH	5.18	<13	PASS		
QPSK	MCH	5.02	<13	PASS		
	HCH	5.19	<13	PASS		
16QAM	LCH	5.97	<13	PASS		
	MCH	5.85	<13	PASS		
	HCH	5.95	<13	PASS		

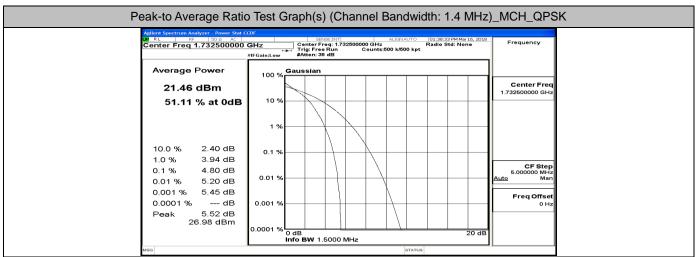
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	5.31	<13	PASS		
QPSK	MCH	5.01	<13	PASS		
	HCH	5.18	<13	PASS		
	LCH	6.02	<13	PASS		
16QAM	MCH	5.77	<13	PASS		
	HCH	5.88	<13	PASS		

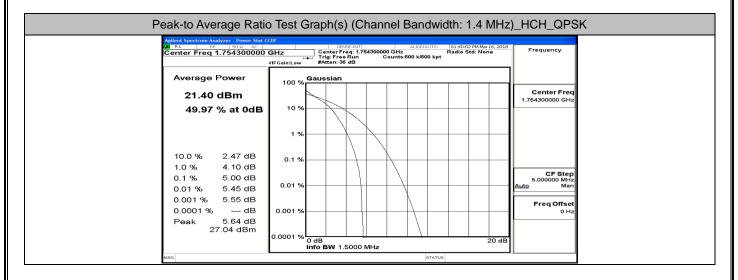
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	5.35	<13	PASS		
QPSK	MCH	5.16	<13	PASS		
	HCH	5.22	<13	PASS		
	LCH	6.06	<13	PASS		
16QAM	MCH	5.81	<13	PASS		
	HCH	5.89	<13	PASS		

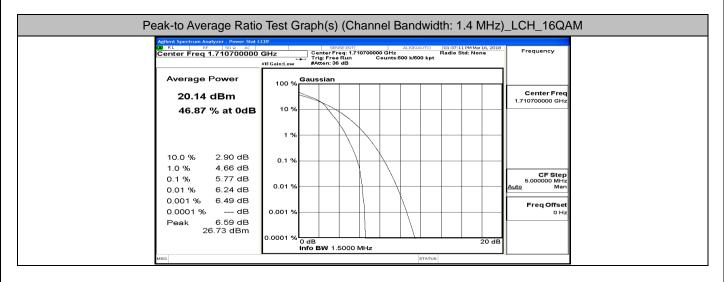
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	5.00	<13	PASS		
QPSK	MCH	4.92	<13	PASS		
	HCH	4.90	<13	PASS		
	LCH	6.18	<13	PASS		
16QAM	MCH	6.05	<13	PASS		
	HCH	6.05	<13	PASS		

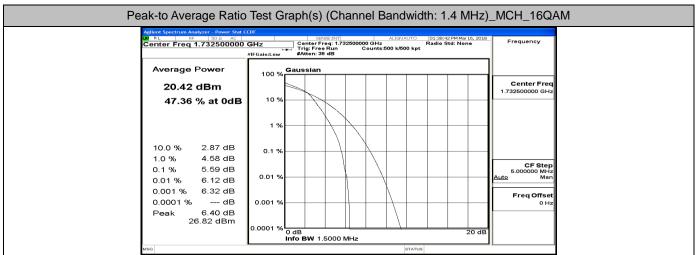
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
iviodulation		[dB]	[dB]		
QPSK	LCH	5.74	<13	PASS	
	MCH	5.77	<13	PASS	
	HCH	5.71	<13	PASS	
16QAM	LCH	6.74	<13	PASS	
	MCH	6.65	<13	PASS	
	HCH	6.55	<13	PASS	

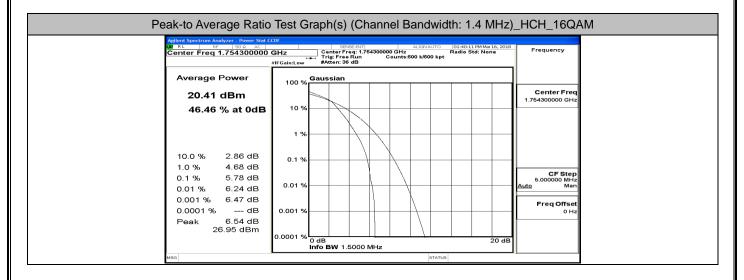


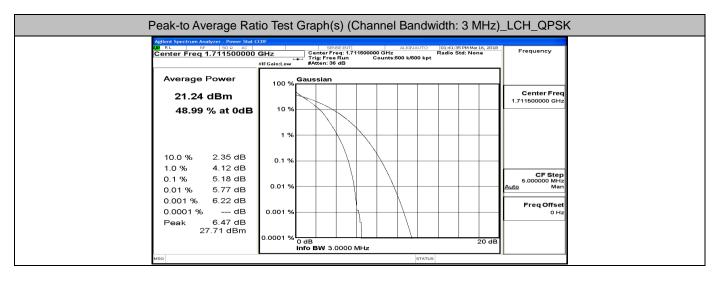


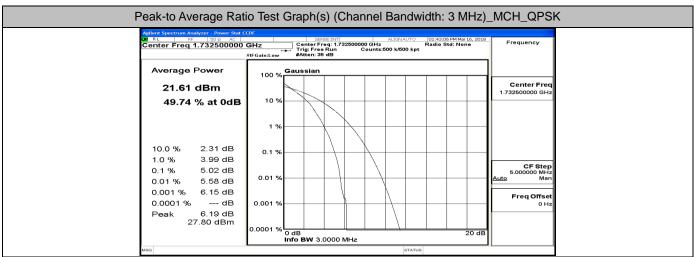


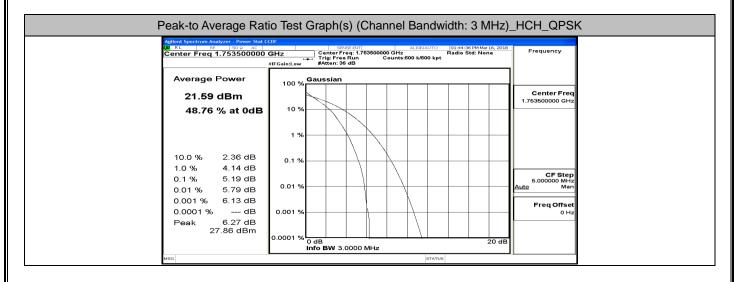


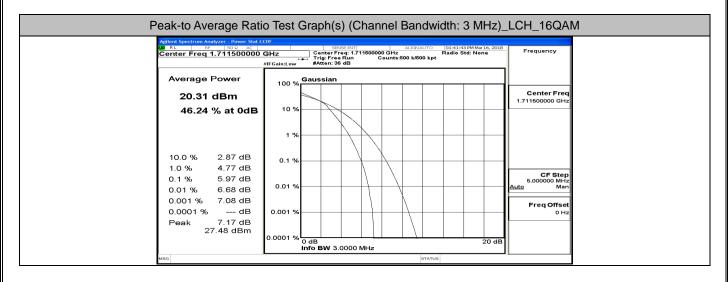


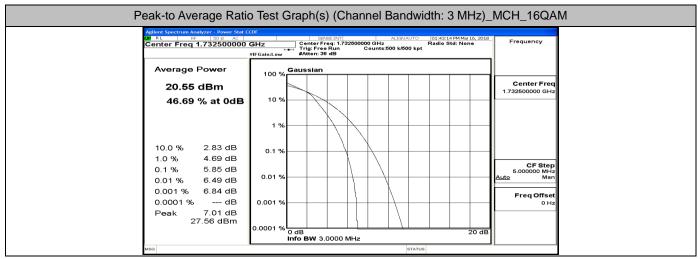


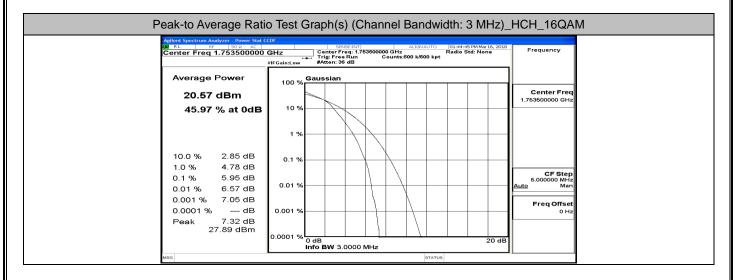


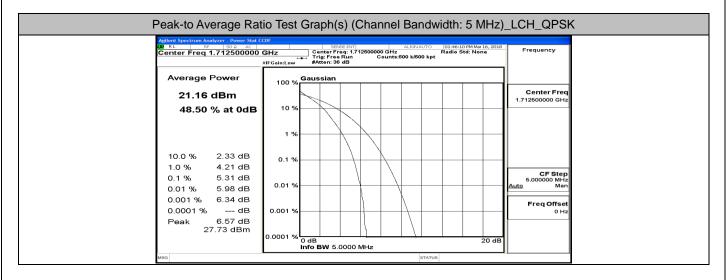


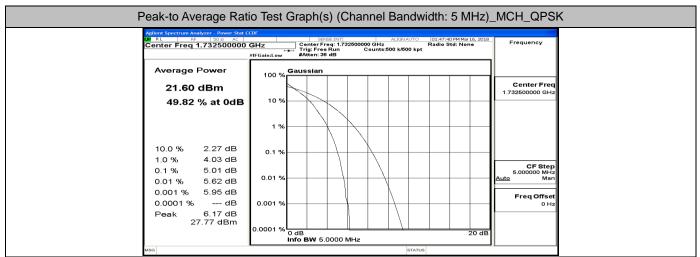


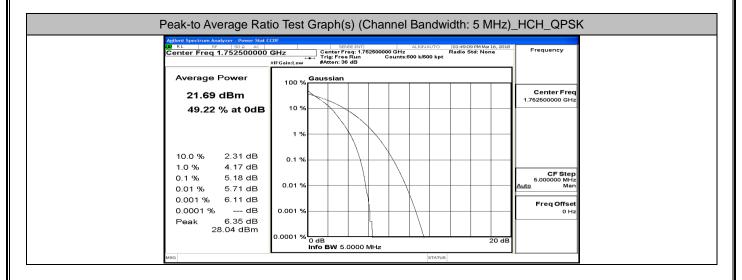


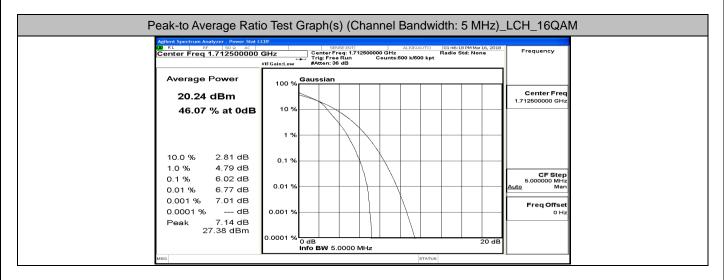


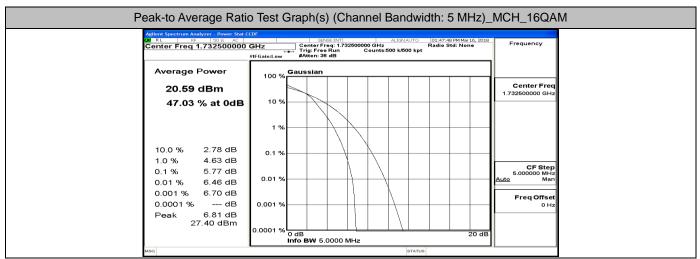


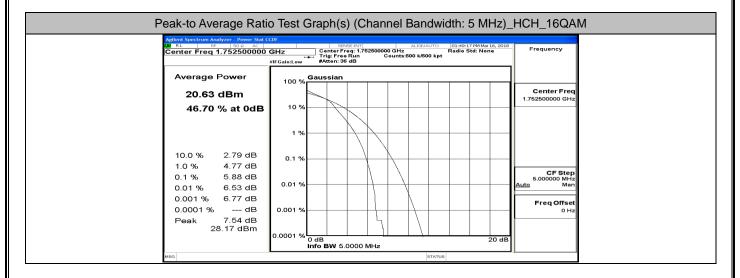


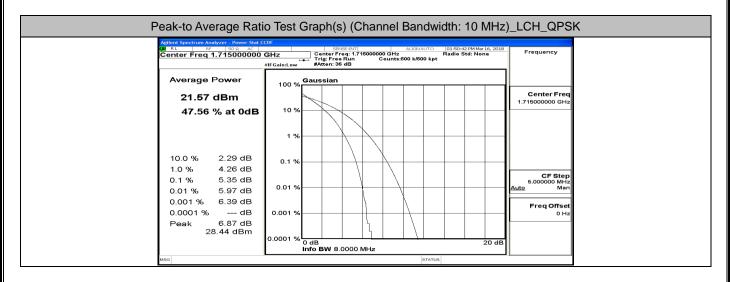


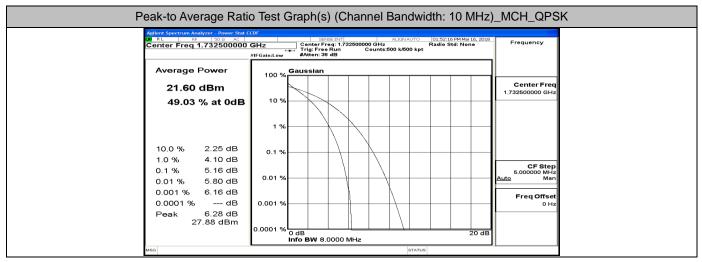


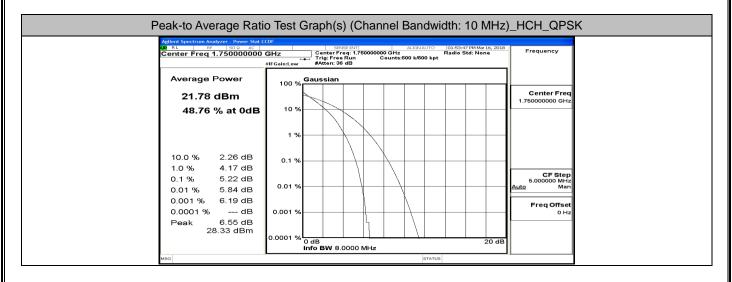


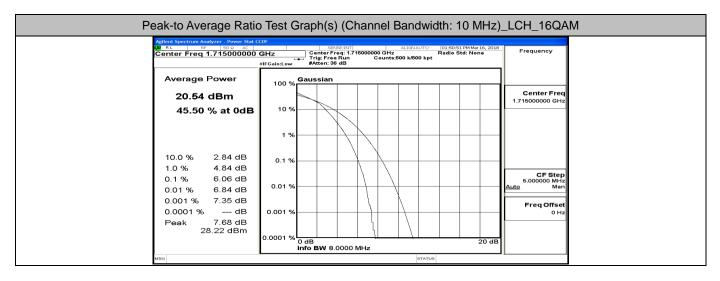


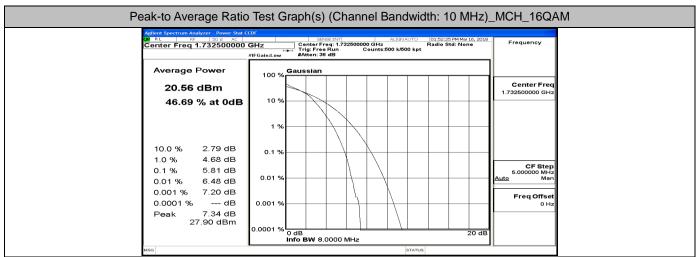


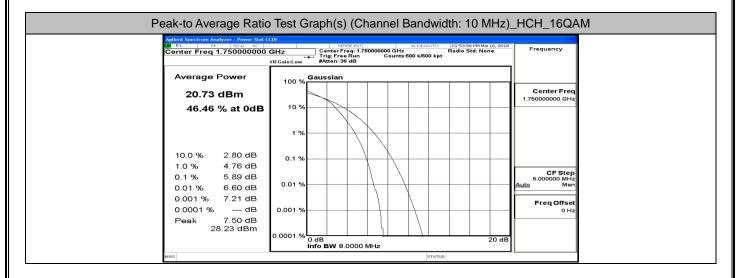


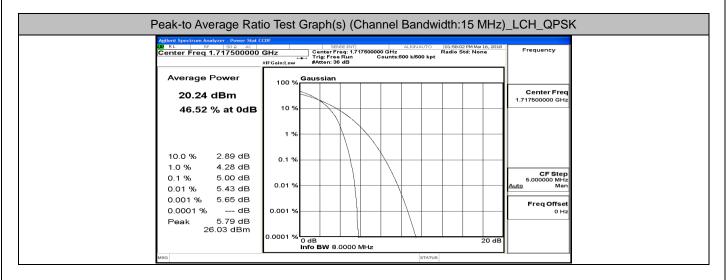


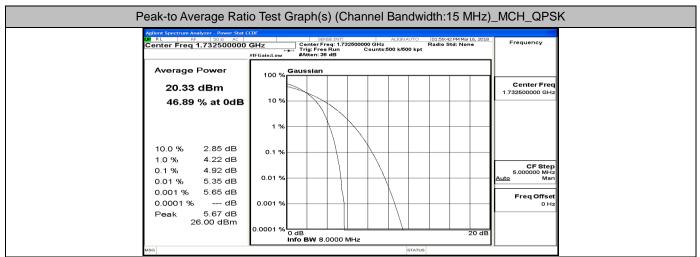


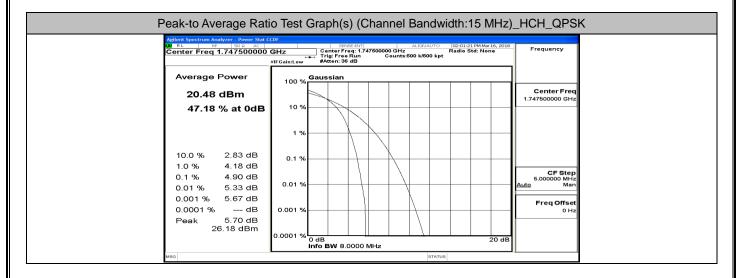


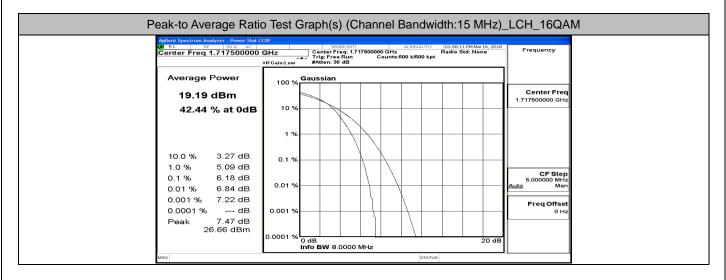


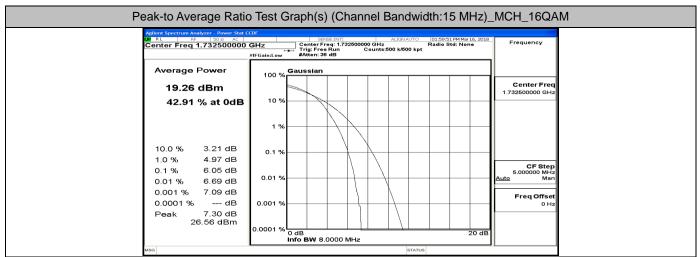


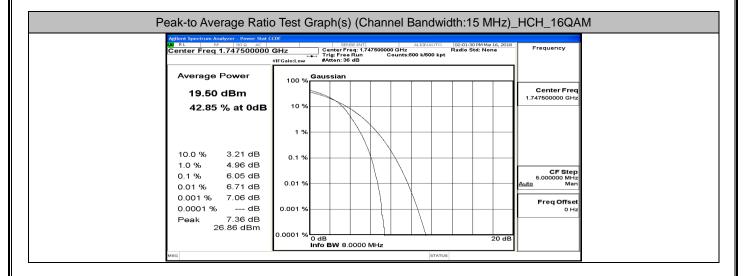


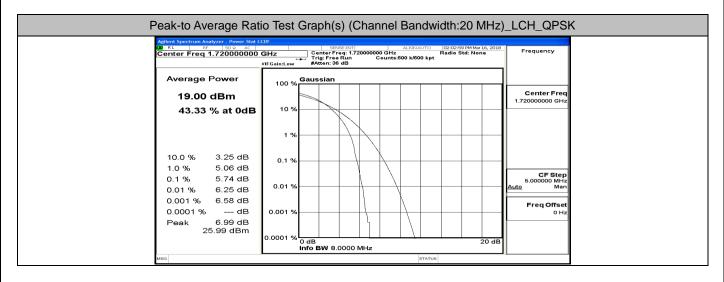


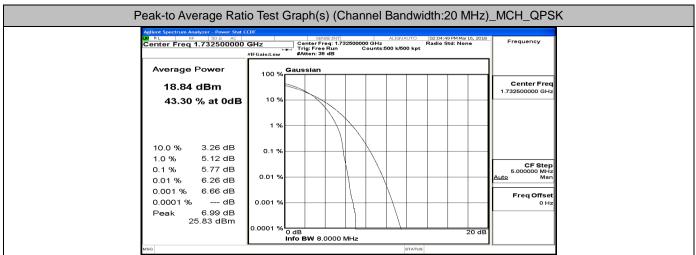


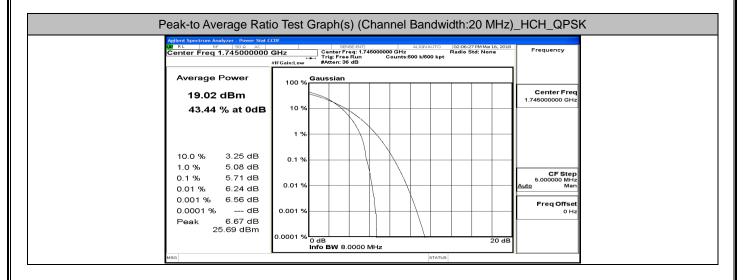


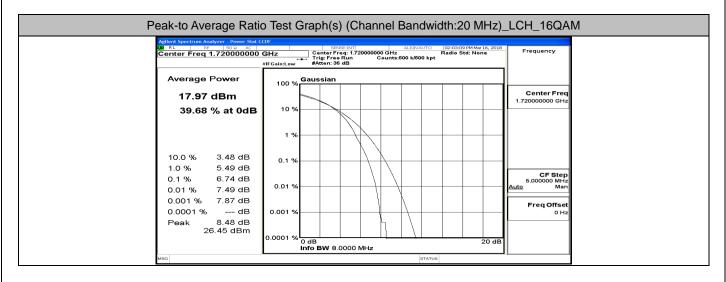


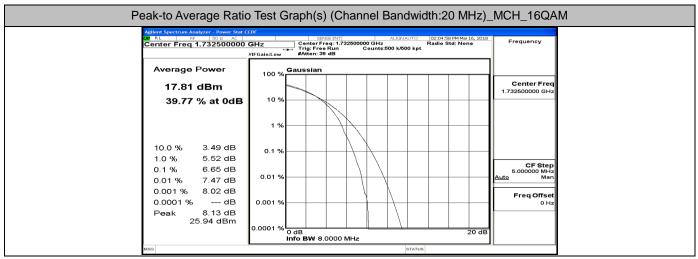


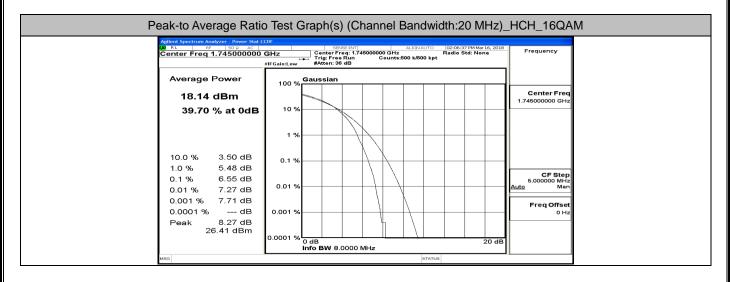












E.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	1.0773	1.217	PASS	
	MCH	1.0749	1.209	PASS	
	HCH	1.0780	1.217	PASS	
16QAM	LCH	1.0798	1.223	PASS	
	MCH	1.0778	1.225	PASS	
	HCH	1.0776	1.216	PASS	

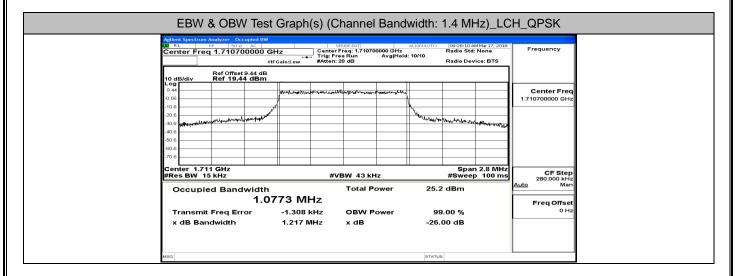
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	2.6804	2.878	PASS
	MCH	2.6830	2.879	PASS
	HCH	2.6842	2.883	PASS
16QAM	LCH	2.6822	2.891	PASS
	MCH	2.6828	2.889	PASS
	HCH	2.6797	2.881	PASS

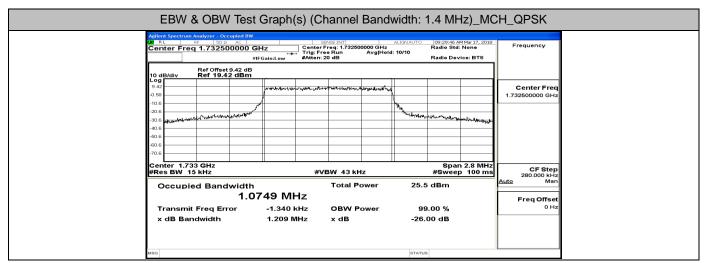
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	4.4879	4.843	PASS	
	MCH	4.4811	4.854	PASS	
	HCH	4.4779	4.847	PASS	
16QAM	LCH	4.4719	4.848	PASS	
	MCH	4.4805	4.849	PASS	
	HCH	4.4889	4.832	PASS	

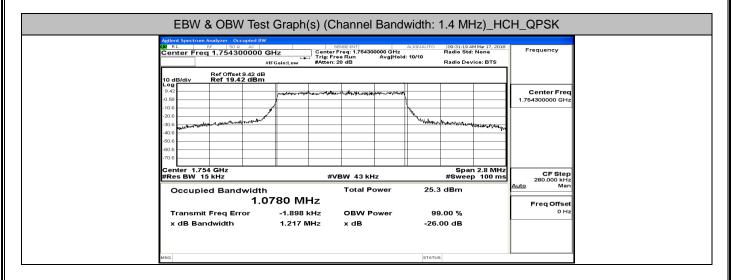
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	8.9460	9.480	PASS	
	MCH	8.9464	9.544	PASS	
	HCH	8.9351	9.443	PASS	
16QAM	LCH	8.9558	9.484	PASS	
	MCH	8.9436	9.473	PASS	
	HCH	8.9433	9.471	PASS	

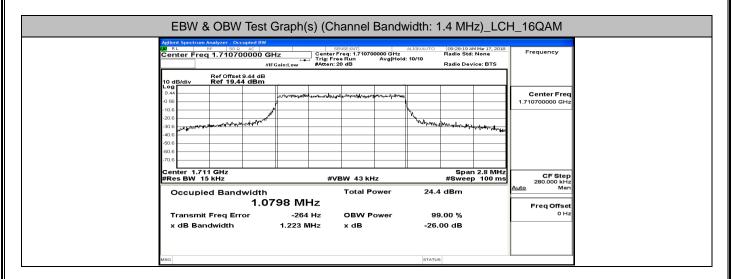
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	13.423	14.05	PASS	
	MCH	13.428	14.19	PASS	
	HCH	13.415	14.05	PASS	
16QAM	LCH	13.416	14.06	PASS	
	MCH	13.419	14.14	PASS	
	HCH	13.410	14.13	PASS	

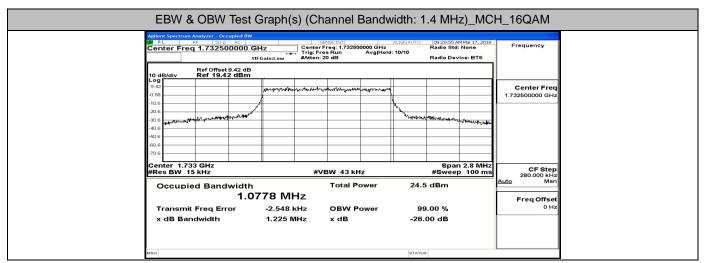
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	17.870	18.72	PASS	
	MCH	17.879	18.68	PASS	
	HCH	17.880	18.68	PASS	
16QAM	LCH	17.869	18.58	PASS	
	MCH	17.894	18.62	PASS	
	HCH	17.860	18.70	PASS	

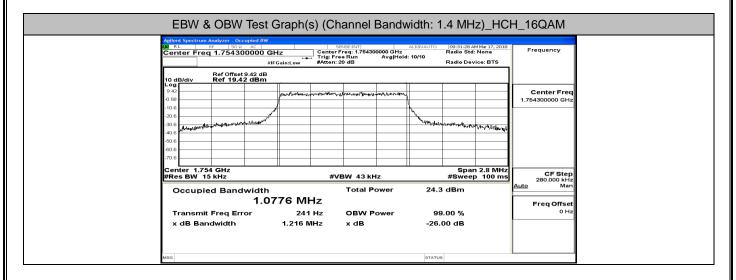


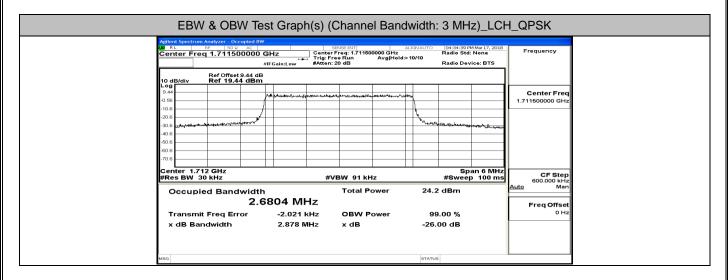


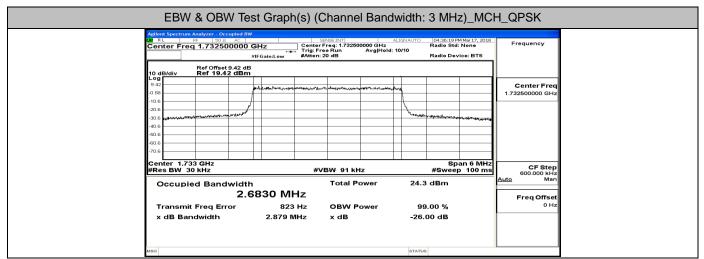


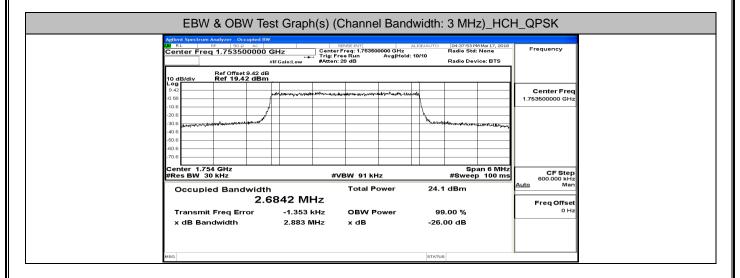


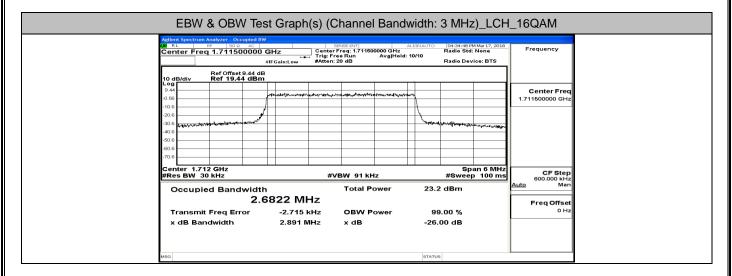


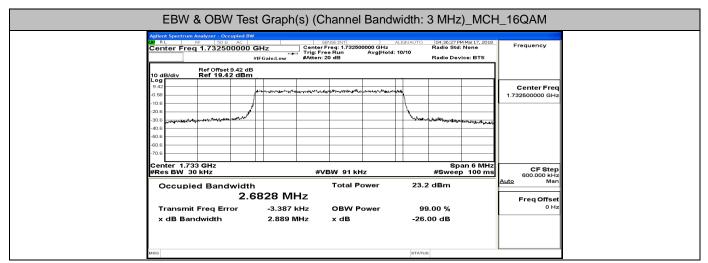


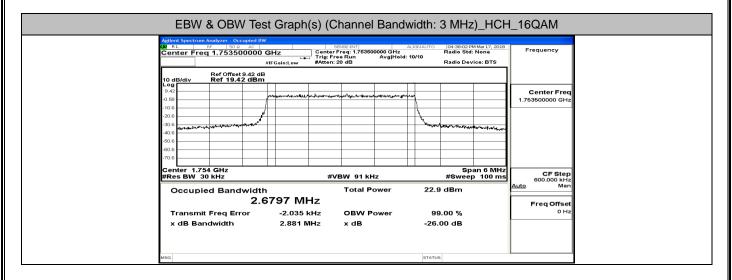


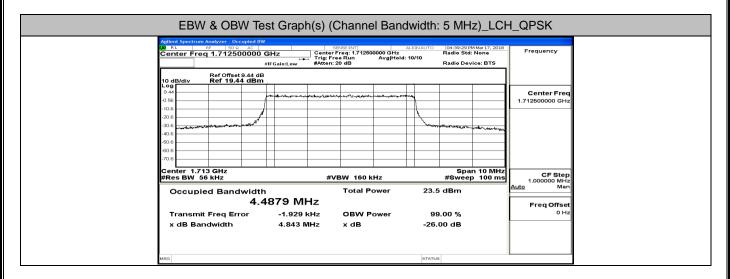


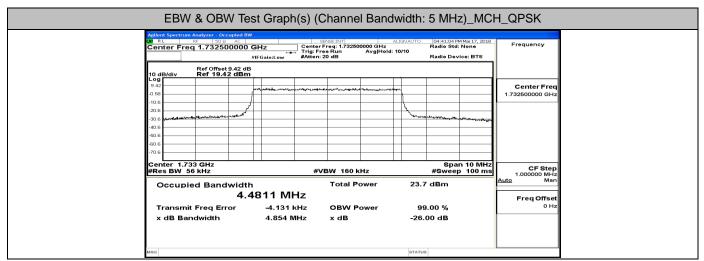


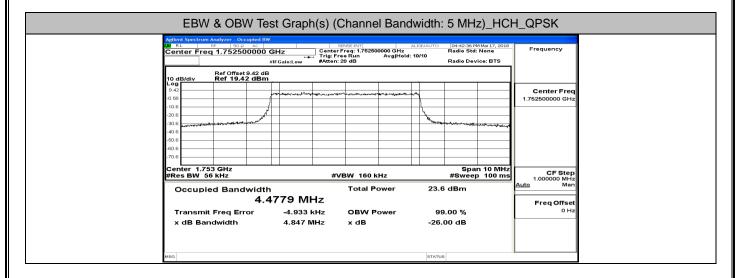


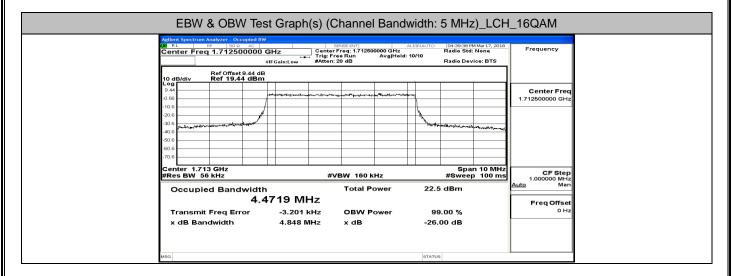


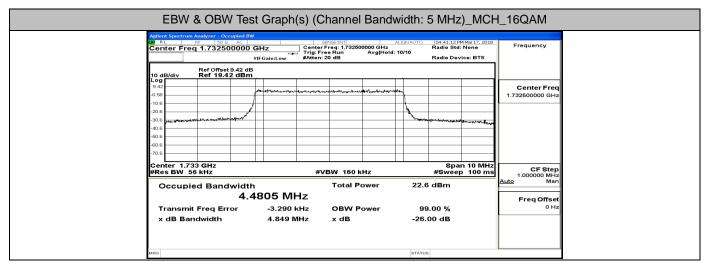


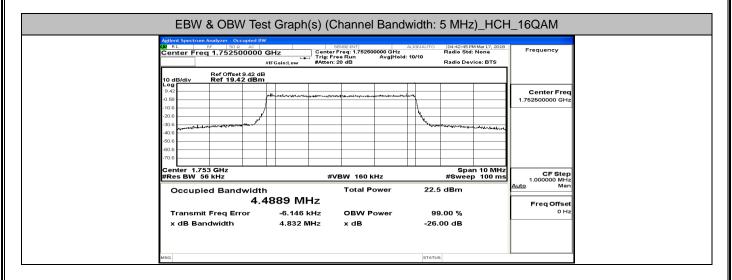


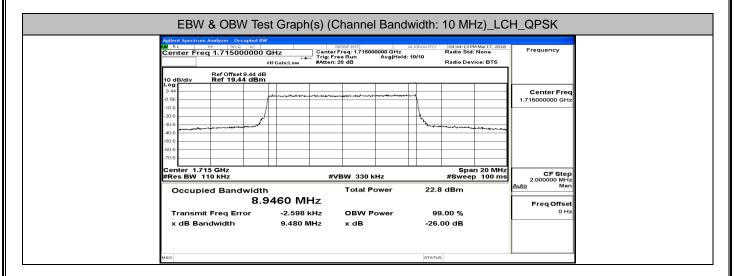


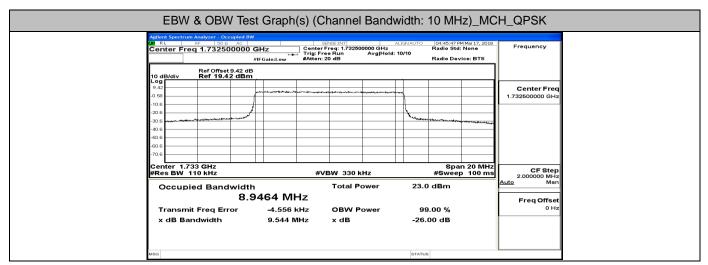


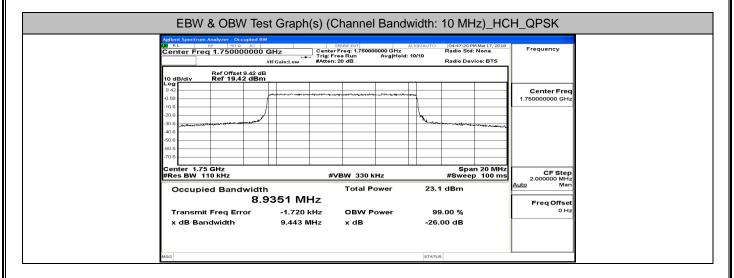


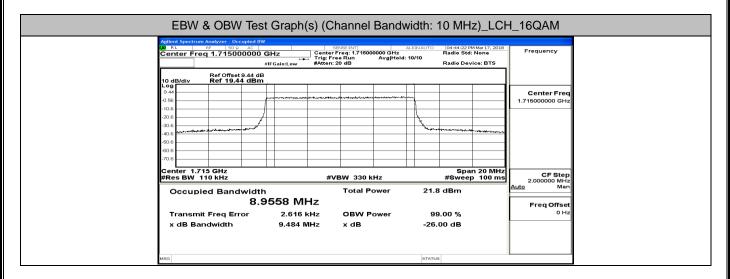


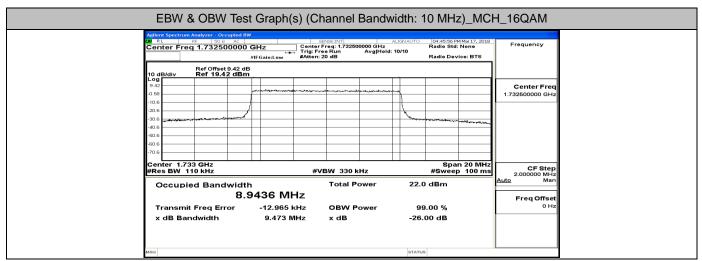


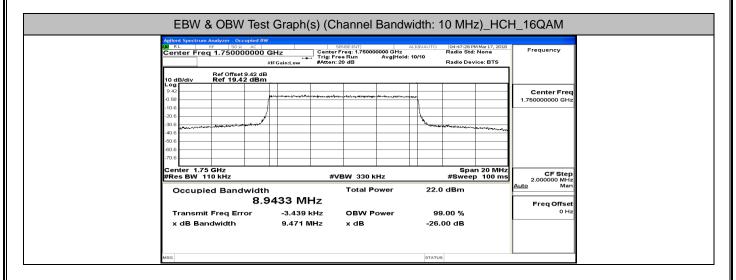


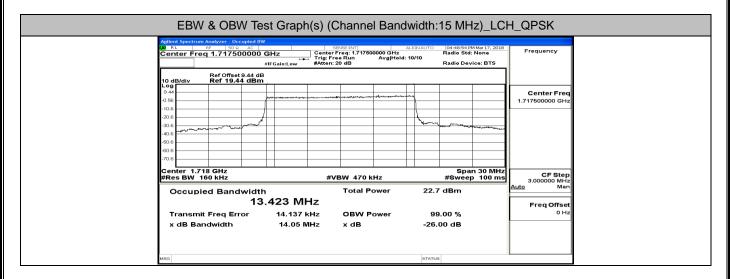


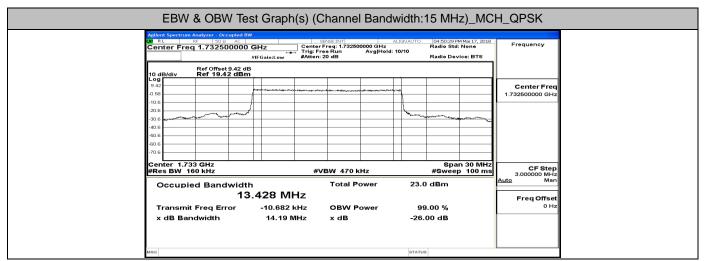


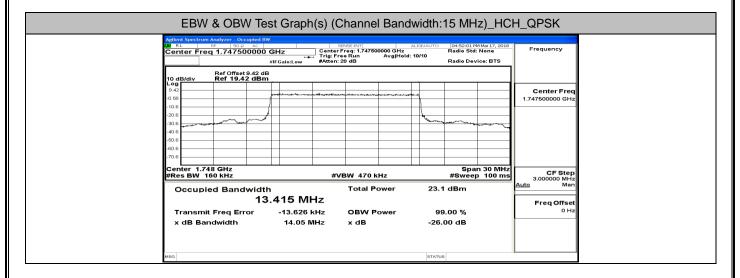


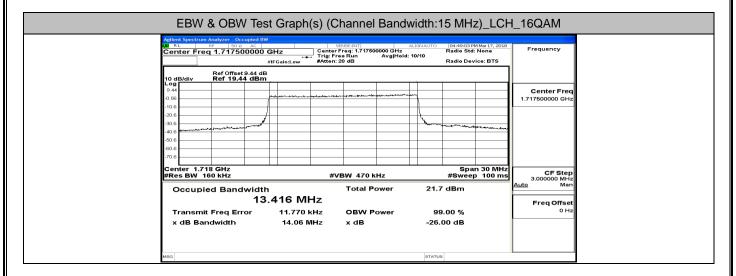


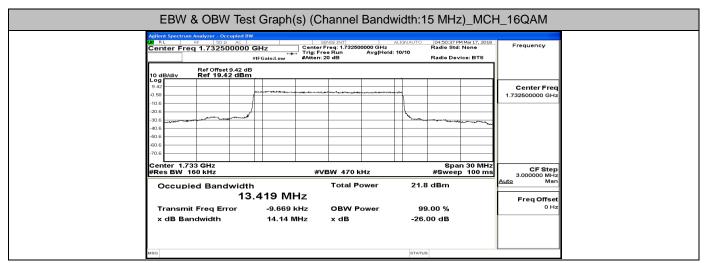


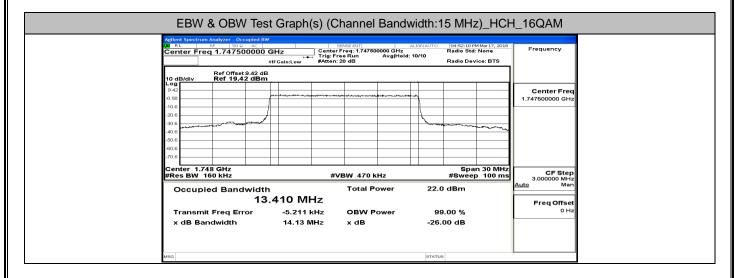


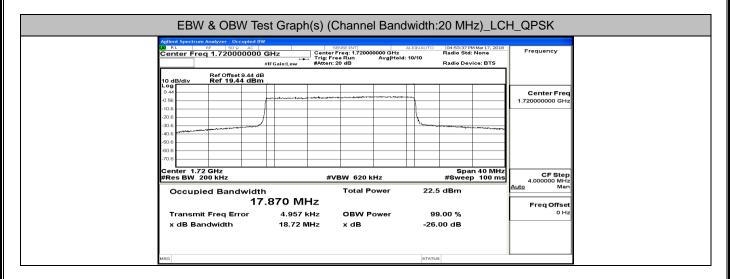


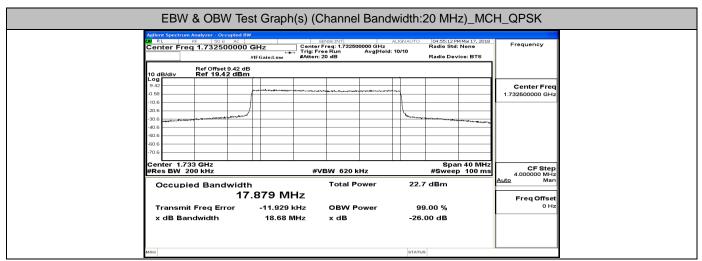


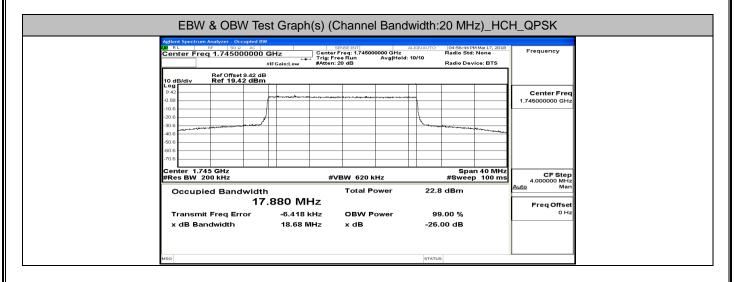


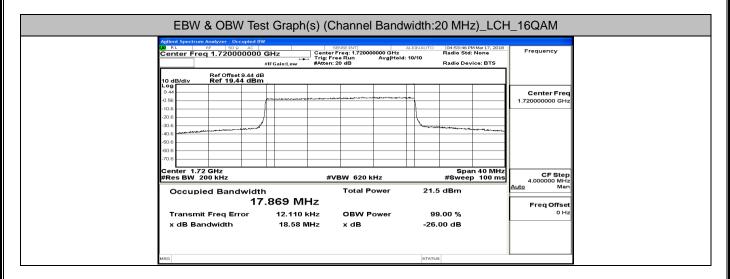


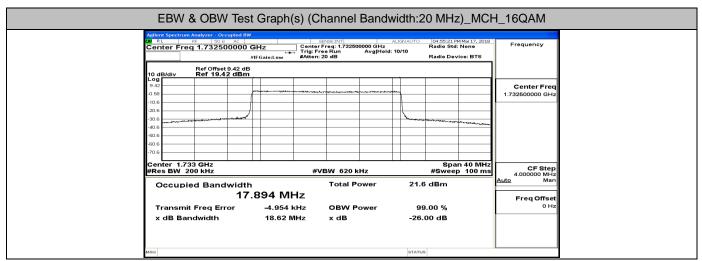


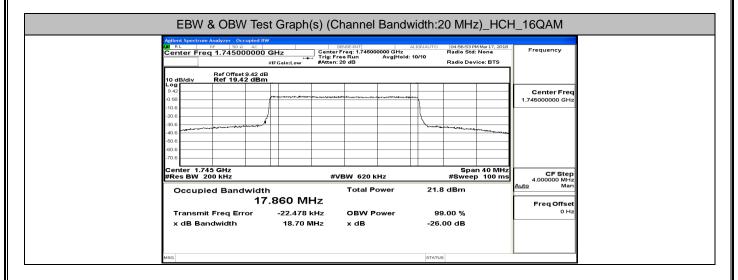












E.4 Band Edge

