Appendix F: Test Data for E-UTRA Band 5

Product Name: 4G Smartphone Trade Mark: Hello Smart Phones Test Model: Hello AN6 pro

Environmental Conditions

Temperature:	24.3			
Relative Humidity:	52.7			
ATM Pressure:	100.0 kPa			
Test Engineer:	Tom Liu			
Supervised by:	Jayden Zhuo			

F.1 Conducted Output Power

	Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Madulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict	
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict	
		1	0	22.31	21.61	PASS	
		1	3	22.49	21.76	PASS	
		1	5	22.10	21.50	PASS	
	LCH	3	0	22.80	21.99	PASS	
		3	2	22.32	21.71	PASS	
		3	3	22.32	21.59	PASS	
		6	0	22.18	21.49	PASS	
		1	0	22.64	21.81	PASS	
		1	3	22.70	21.86	PASS	
QPSK /	МСН	1	5	22.66	21.93	PASS	
16QAM		3	0	22.70	21.54	PASS	
TOQAIVI		3	2	22.30	21.60	PASS	
		3	3	22.72	21.97	PASS	
		6	0	22.73	21.80	PASS	
		1	0	22.56	21.52	PASS	
		1	3	22.16	21.48	PASS	
		1	5	22.54	21.66	PASS	
	HCH	3	0	22.58	21.73	PASS	
		3	2	22.61	21.69	PASS	
		3	3	22.48	21.74	PASS	
		6	0	22.23	21.66	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	Vardiet
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.18	21.61	PASS
		1	7	22.59	21.89	PASS
		1	14	22.11	21.64	PASS
	LCH	8	0	22.19	21.67	PASS
		8	4	22.84	21.50	PASS
		8	7	22.48	21.71	PASS
		15	0	22.35	21.65	PASS
	МСН	1	0	22.17	21.52	PASS
		1	7	22.46	21.69	PASS
QPSK /		1	14	22.33	21.58	PASS
16QAM		8	0	22.63	21.85	PASS
TOQAW		8	4	22.37	21.70	PASS
		8	7	22.19	21.60	PASS
		15	0	22.48	21.97	PASS
		1	0	22.35	21.70	PASS
		1	7	22.56	21.87	PASS
		1	14	22.21	21.53	PASS
	HCH	8	0	22.78	22.09	PASS
		8	4	22.63	21.83	PASS
		8	7	22.27	21.59	PASS
		15	0	22.39	21.62	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Madulation	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	\/a ==li =4
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.53	21.96	PASS
		1	12	22.40	21.61	PASS
		1	24	22.36	21.66	PASS
	LCH	12	0	22.46	21.73	PASS
		12	6	22.10	21.59	PASS
		12	13	22.39	21.65	PASS
		25	0	22.83	21.58	PASS
	МСН	1	0	22.36	21.71	PASS
		1	12	22.52	21.79	PASS
QPSK /		1	24	22.83	22.14	PASS
16QAM		12	0	22.68	21.93	PASS
TOQAW		12	6	22.84	22.05	PASS
		12	13	22.52	21.58	PASS
		25	0	22.75	22.11	PASS
		1	0	22.20	21.61	PASS
		1	12	22.15	21.66	PASS
		1	24	22.65	21.94	PASS
	HCH	12	0	22.88	21.97	PASS
		12	6	22.50	21.84	PASS
		12	13	22.17	21.61	PASS
		25	0	22.58	21.78	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Madulation	Channal	RB Configuration		Average Power [dBm]	Average Power [dBm]	\/a ==li =4
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.50	21.88	PASS
		1	24	22.97	22.50	PASS
		1	49	23.05	22.53	PASS
	LCH	25	0	22.67	21.94	PASS
		25	12	22.73	21.97	PASS
		25	25	22.97	22.06	PASS
		50	0	22.79	22.21	PASS
	мсн	1	0	23.09	22.61	PASS
		1	24	22.81	22.17	PASS
QPSK /		1	49	23.15	22.59	PASS
16QAM		25	0	23.32	22.18	PASS
TOQAW		25	12	22.83	21.87	PASS
		25	25	22.95	21.92	PASS
		50	0	22.58	21.86	PASS
		1	0	23.09	22.23	PASS
		1	24	23.22	22.59	PASS
		1	49	23.12	22.21	PASS
	HCH	25	0	22.56	21.78	PASS
		25	12	22.90	22.13	PASS
		25	25	23.20	22.27	PASS
		50	0	22.85	21.97	PASS

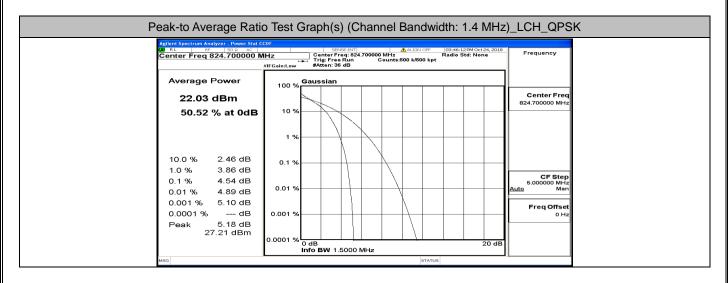
F.2 Peak-to-Average Ratio

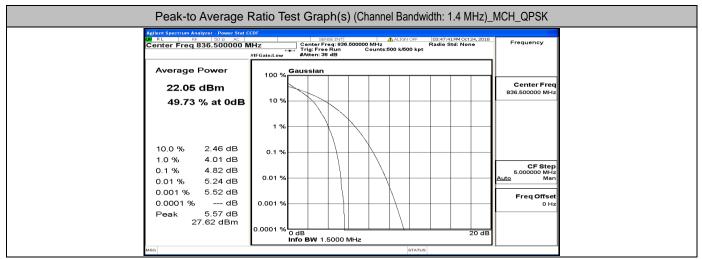
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
iviodulation	Griannei	[dB]	[dB]	verdict		
	LCH	4.54	<13	PASS		
QPSK	MCH	4.82	<13	PASS		
	HCH	5.1	<13	PASS		
16QAM	LCH	5.39	<13	PASS		
	MCH	5.64	<13	PASS		
	HCH	5.93	<13	PASS		

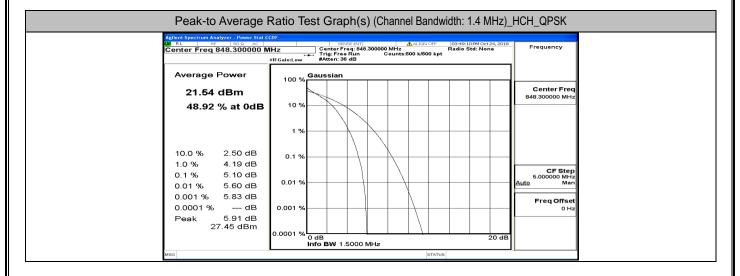
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Channel	[dB]	[dB]	verdict		
	LCH	4.76	<13	PASS		
QPSK	MCH	5.06	<13	PASS		
	HCH	5.42	<13	PASS		
16QAM	LCH	5.58	<13	PASS		
	MCH	5.81	<13	PASS		
	HCH	6.12	<13	PASS		

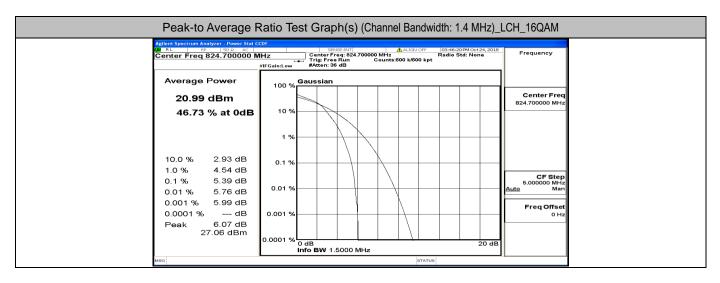
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict	
Modulation	Griannei	[dB]	[dB]	Verdict	
	LCH	4.85	<13	PASS	
QPSK	MCH	5.07	<13	PASS	
	HCH	5.43	<13	PASS	
16QAM	LCH	5.61	<13	PASS	
	MCH	5.78	<13	PASS	
	HCH	6.18	<13	PASS	

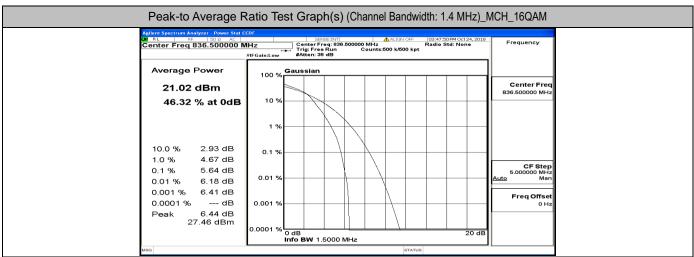
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
Modulation	Griannei	[dB]	[dB]	verdict	
QPSK	LCH	5.17	<13	PASS	
	MCH	5.16	<13	PASS	
	HCH	5.46	<13	PASS	
	LCH	5.84	<13	PASS	
16QAM	MCH	5.86	<13	PASS	
	HCH	6.16	<13	PASS	

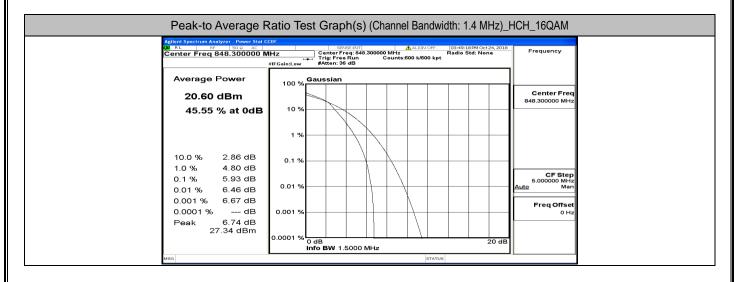


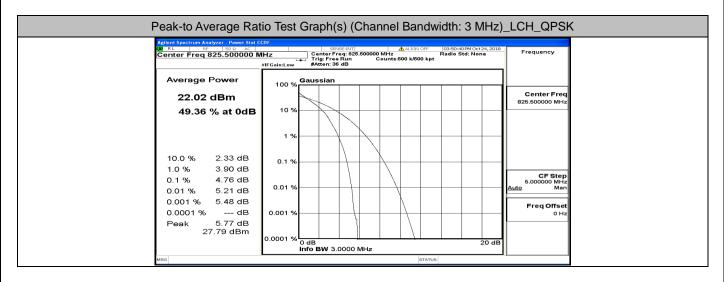


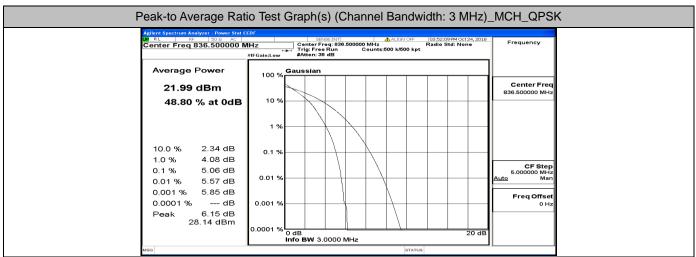


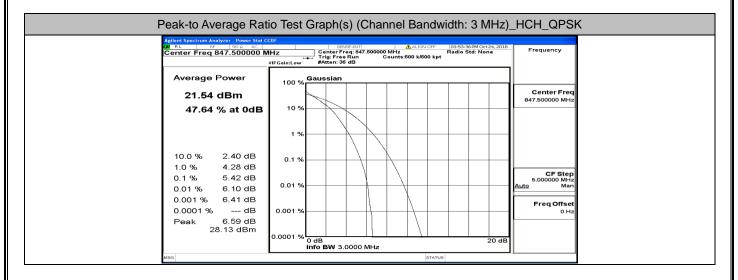


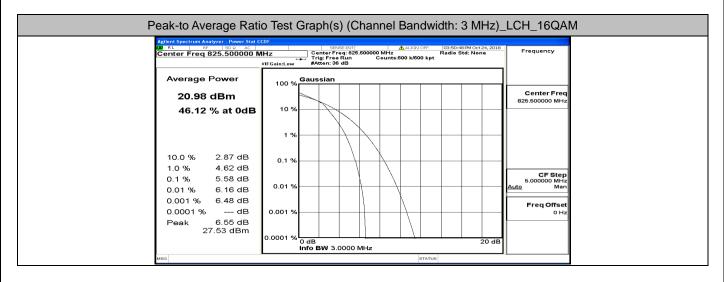


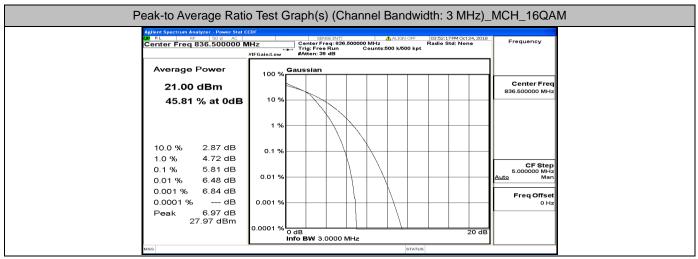


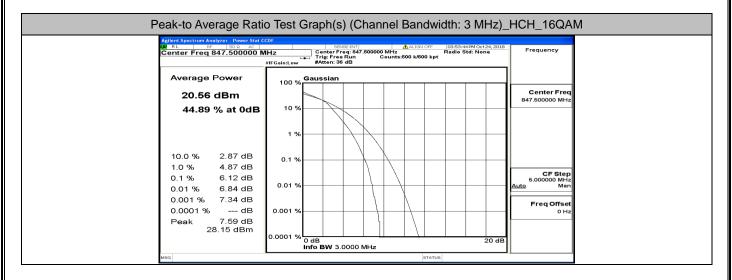


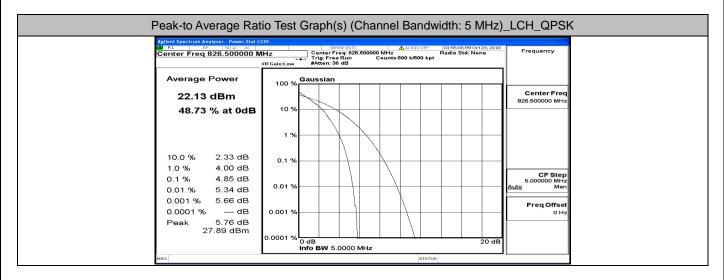


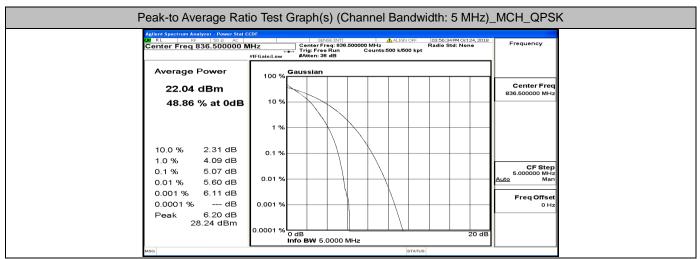


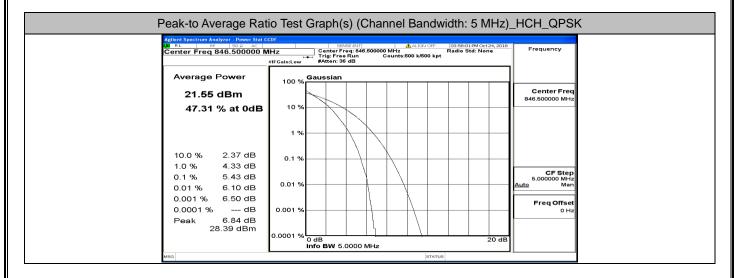


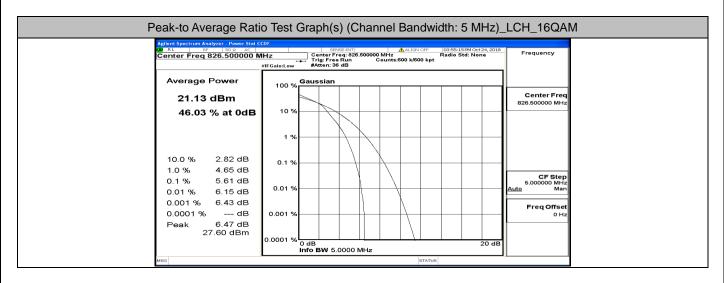


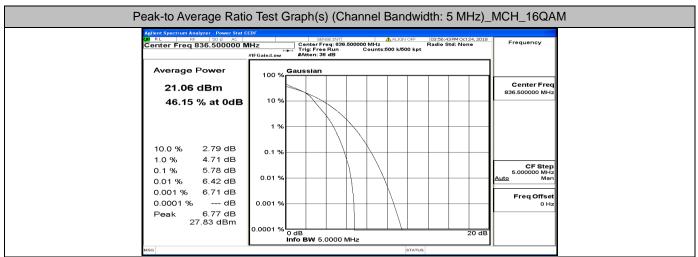


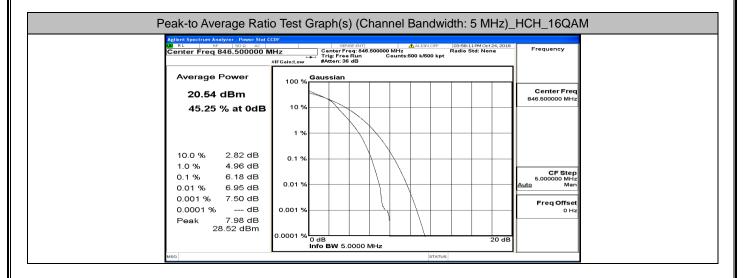


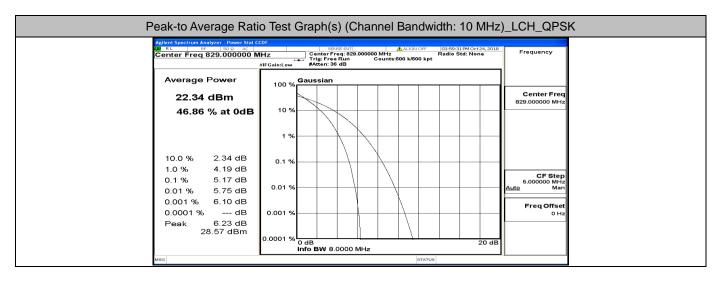


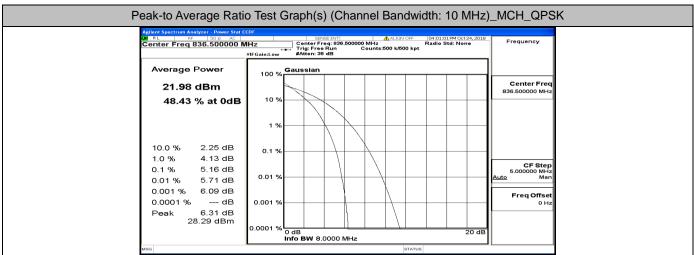


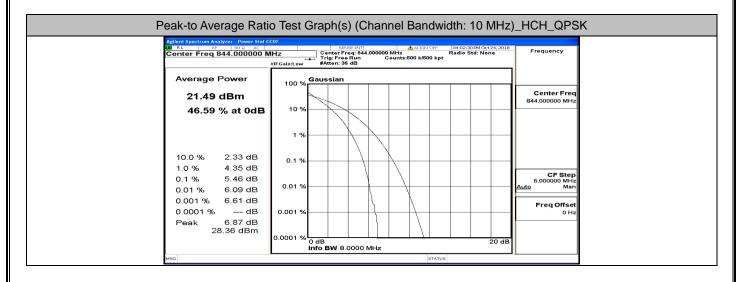


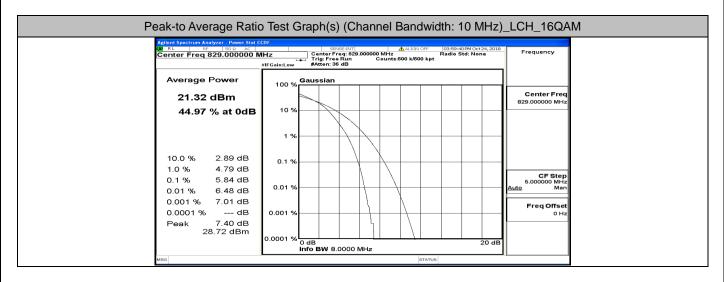


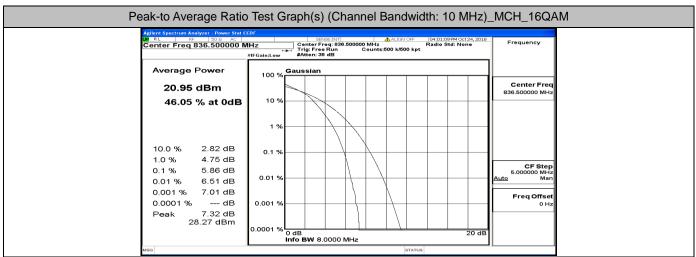


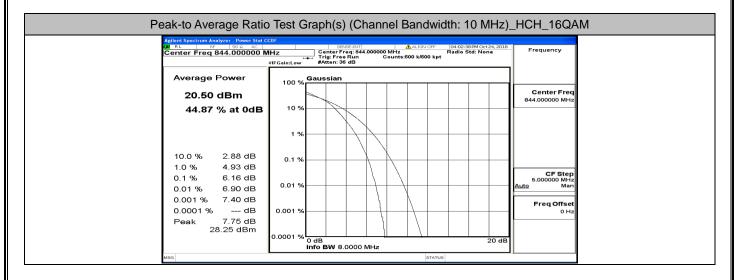












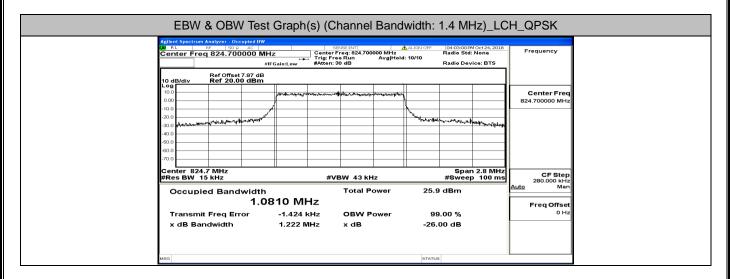
F.3 26dB Bandwidth and Occupied Bandwidth

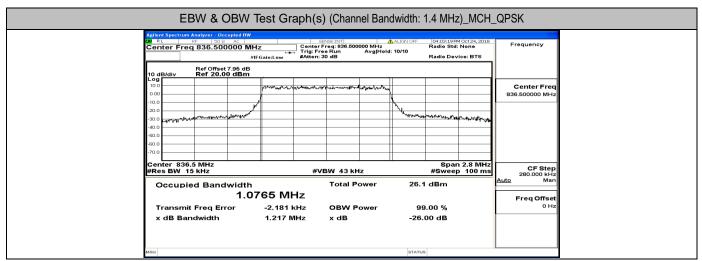
	EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Vordict		
Modulation	Griannei	(MHz)	(MHz)	Verdict		
	LCH	1.0810	1.222	PASS		
QPSK	MCH	1.0765	1.217	PASS		
	HCH	1.0777	1.224	PASS		
16QAM	LCH	1.0794	1.219	PASS		
	MCH	1.0781	1.228	PASS		
	HCH	1.0783	1.218	PASS		

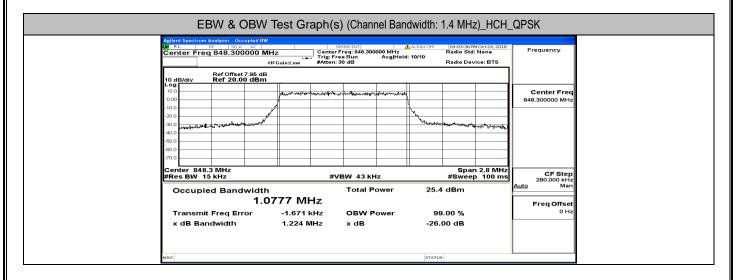
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
Modulation	Channel	(MHz)	(MHz)	verdict		
	LCH	2.6824	2.897	PASS		
QPSK	MCH	2.6815	2.872	PASS		
	HCH	2.6823	2.900	PASS		
16QAM	LCH	2.6852	2.882	PASS		
	MCH	2.6823	2.861	PASS		
	HCH	2.6876	2.887	PASS		

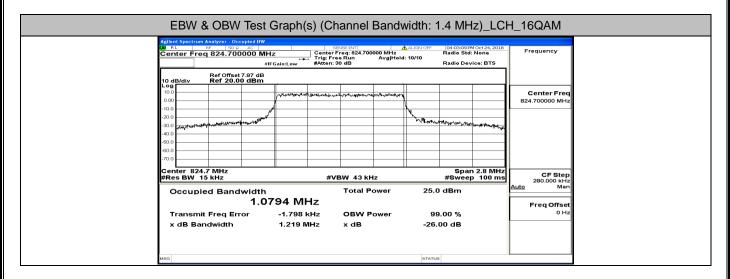
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Vordict		
Modulation	Channel	(MHz)	(MHz)	Verdict		
QPSK	LCH	4.4837	4.828	PASS		
	MCH	4.4732	4.872	PASS		
	HCH	4.4809	4.810	PASS		
16QAM	LCH	4.4839	4.826	PASS		
	MCH	4.4800	4.816	PASS		
	HCH	4.4861	4.852	PASS		

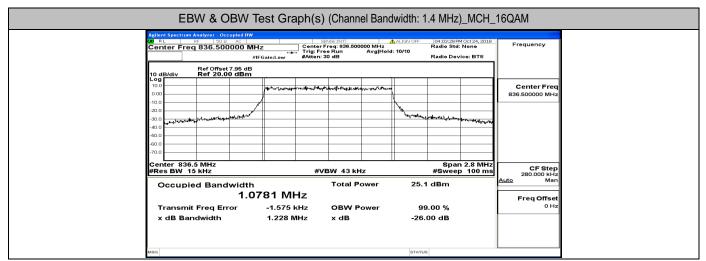
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	8.9456	9.529	PASS
	MCH	8.9430	9.490	PASS
	HCH	8.9359	9.477	PASS
16QAM	LCH	8.9524	9.546	PASS
	MCH	8.9302	9.447	PASS
	HCH	8.9557	9.404	PASS

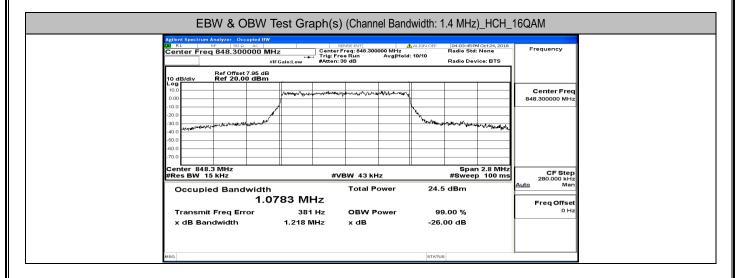


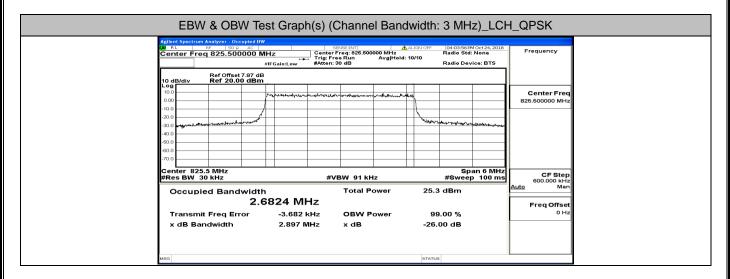


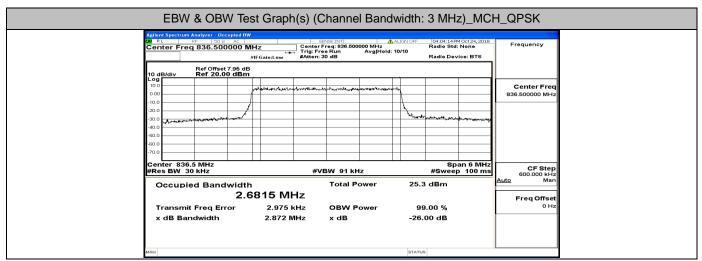


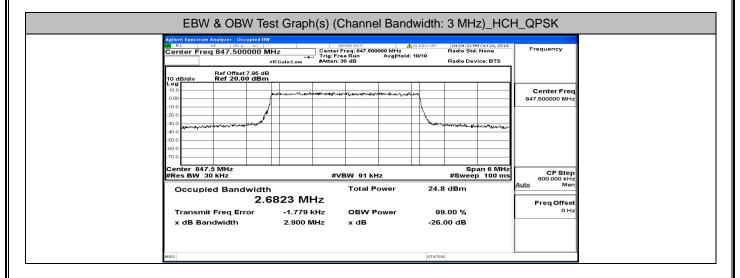


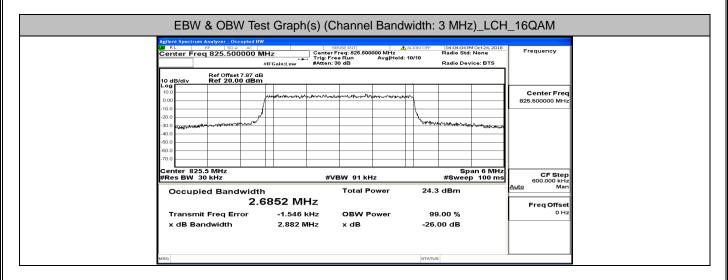


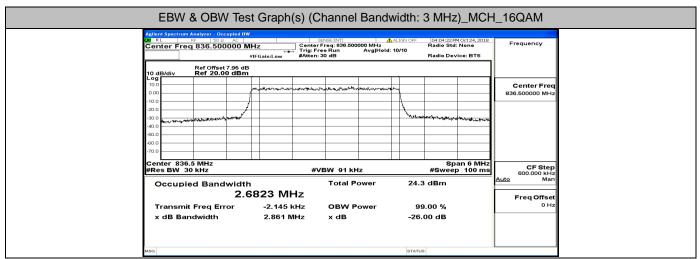


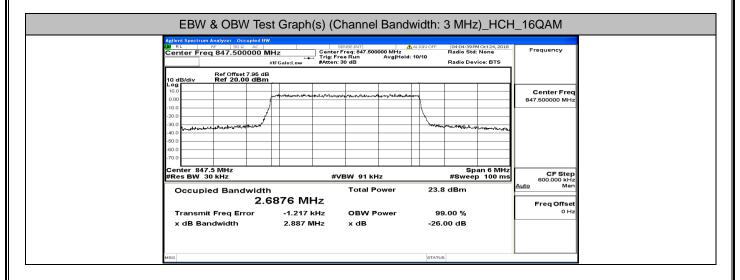


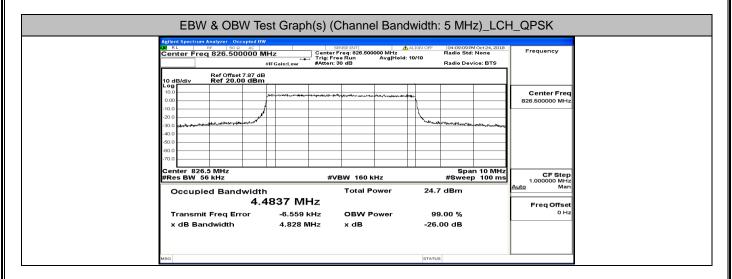


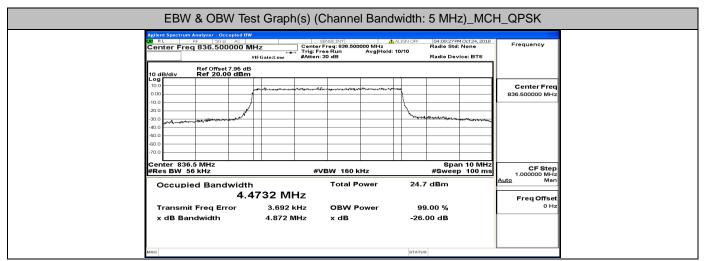


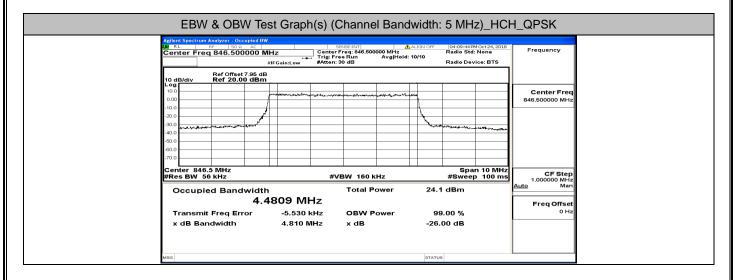


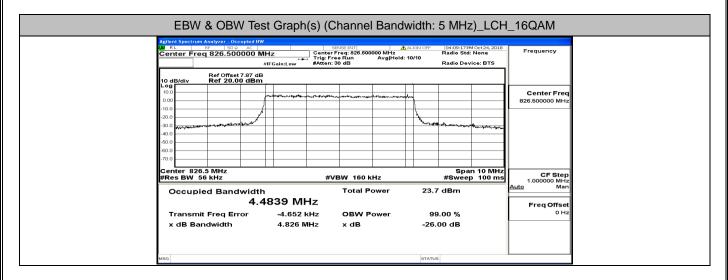


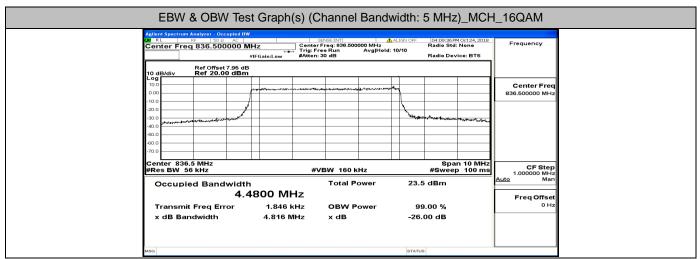


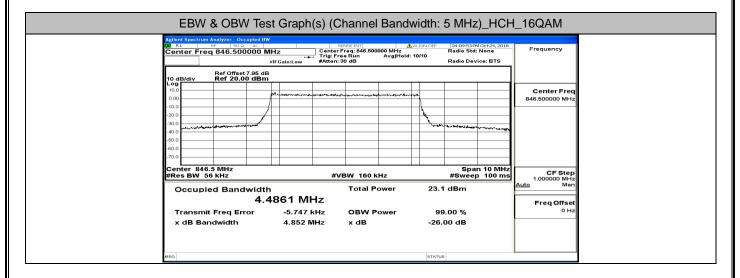


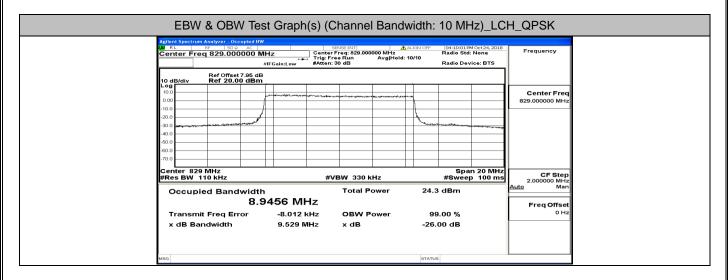


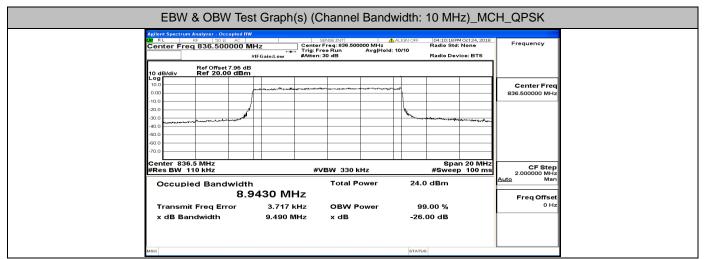


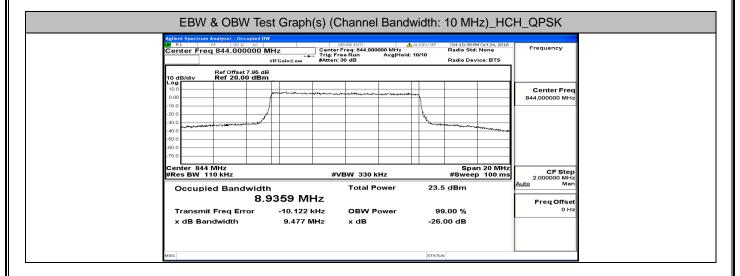


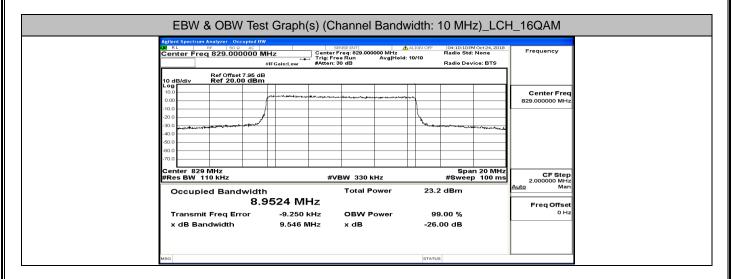


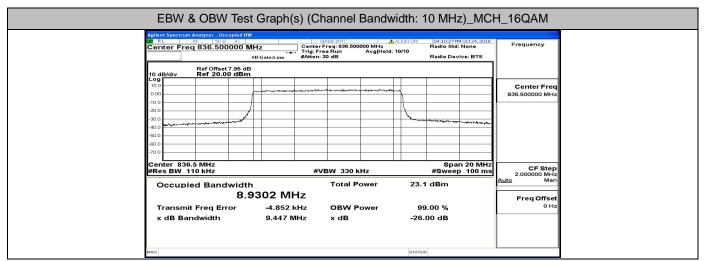


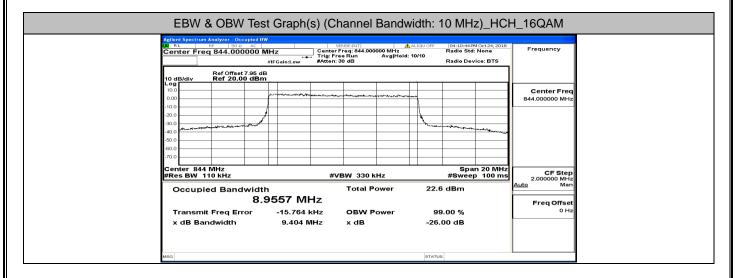












F.4 Band Edge

