Appendix E: Test Data for E-UTRA Band 5

Product Name: Biometric access system
Trade Mark: N/A
Test Model: Access One

Environmental Conditions

Temperature:	24.5°C					
Relative Humidity:	54.4%					
ATM Pressure:	100.0 kPa					
Test Engineer:	JK ZHOU					
Supervised by:	Wang.Chuang					

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 =diat
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.42	21.68	PASS
		1	3	22.51	21.79	PASS
		1	5	22.36	21.67	PASS
	LCH	3	0	22.54	21.65	PASS
		3	2	22.52	21.58	PASS
		3	3	22.46	21.65	PASS
		6	0	21.47	20.40	PASS
		1	0	22.34	21.75	PASS
	мсн	1	3	22.42	21.97	PASS
QPSK /		1	5	22.36	21.80	PASS
16QAM		3	0	22.45	21.48	PASS
IOQAW		3	2	22.44	21.54	PASS
		3	3	22.43	21.54	PASS
		6	0	21.44	20.39	PASS
		1	0	22.42	21.69	PASS
		1	3	22.51	21.89	PASS
		1	5	22.36	21.71	PASS
	HCH	3	0	22.48	21.60	PASS
		3	2	22.52	21.64	PASS
		3	3	22.48	21.65	PASS
		6	0	21.54	20.59	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	22.43	21.68	PASS
		1	7	22.56	21.95	PASS
		1	14	22.33	21.62	PASS
	LCH	8	0	21.37	20.44	PASS
		8	4	21.45	20.50	PASS
		8	7	21.40	20.43	PASS
		15	0	21.41	20.34	PASS
		1	0	22.27	21.68	PASS
	MCH	1	7	22.52	21.80	PASS
QPSK /		1	14	22.29	21.68	PASS
16QAM		8	0	21.42	20.45	PASS
TOQAIVI		8	4	21.41	20.52	PASS
		8	7	21.42	20.44	PASS
		15	0	21.36	20.32	PASS
		1	0	22.39	21.87	PASS
		1	7	22.63	22.14	PASS
		1	14	22.38	21.86	PASS
	HCH	8	0	21.48	20.48	PASS
		8	4	21.52	20.50	PASS
		8	7	21.46	20.46	PASS
		15	0	21.43	20.43	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
iviodulation	Channel	Size	Offset	QPSK	16QAM	verdict
		1	0	22.34	21.74	PASS
		1	12	22.55	21.96	PASS
		1	24	22.22	21.64	PASS
	LCH	12	0	21.29	20.45	PASS
		12	6	21.42	20.57	PASS
		12	13	21.35	20.49	PASS
		25	0	21.39	20.39	PASS
	мсн	1	0	22.23	21.73	PASS
		1	12	22.47	22.03	PASS
QPSK /		1	24	22.21	21.72	PASS
16QAM		12	0	21.41	20.57	PASS
TOQAM		12	6	21.46	20.63	PASS
		12	13	21.48	20.64	PASS
		25	0	21.45	20.49	PASS
		1	0	22.32	21.42	PASS
		1	12	22.68	21.60	PASS
		1	24	22.28	21.42	PASS
	HCH	12	0	21.47	20.52	PASS
		12	6	21.49	20.55	PASS
		12	13	21.34	20.43	PASS
		25	0	21.49	20.47	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Mondiat
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.45	21.71	PASS
		1	24	22.56	21.81	PASS
		1	49	22.31	21.58	PASS
	LCH	25	0	21.37	20.42	PASS
		25	12	21.40	20.46	PASS
		25	25	21.23	20.27	PASS
		50	0	21.36	20.31	PASS
	МСН	1	0	22.33	21.63	PASS
		1	24	22.51	21.87	PASS
QPSK /		1	49	22.34	21.67	PASS
16QAM		25	0	21.55	20.54	PASS
IOQAIVI		25	12	21.45	20.47	PASS
		25	25	21.63	20.60	PASS
		50	0	21.59	20.54	PASS
		1	0	22.35	21.70	PASS
		1	24	22.57	21.91	PASS
		1	49	22.32	21.68	PASS
	нсн	25	0	21.51	20.52	PASS
		25	12	21.56	20.51	PASS
		25	25	21.45	20.47	PASS
		50	0	21.45	20.42	PASS

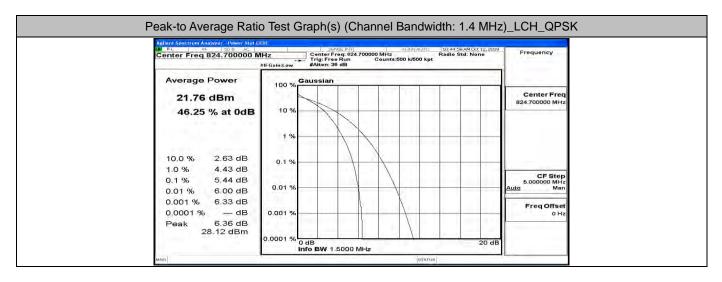
E.2 Peak-to-Average Ratio

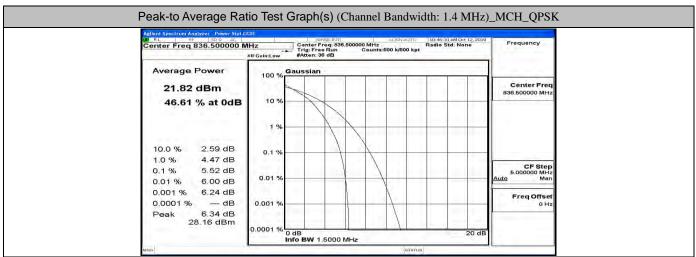
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
iviodulation	Griannei	[dB]	[dB]	verdict		
	LCH	5.44	<13	PASS		
QPSK	MCH	5.52	<13	PASS		
	HCH	5.27	<13	PASS		
16QAM	LCH	6.35	<13	PASS		
	MCH	6.45	<13	PASS		
	HCH	6.19	<13	PASS		

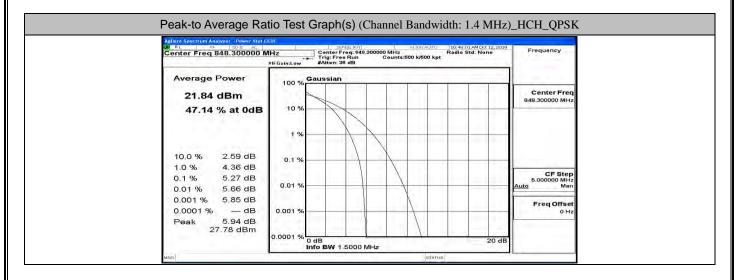
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Charmer	[dB]	[dB]	verdict		
	LCH	5.41	<13	PASS		
QPSK	MCH	5.59	<13	PASS		
	HCH	5.47	<13	PASS		
16QAM	LCH	6.39	<13	PASS		
	MCH	6.52	<13	PASS		
	HCH	6.21	<13	PASS		

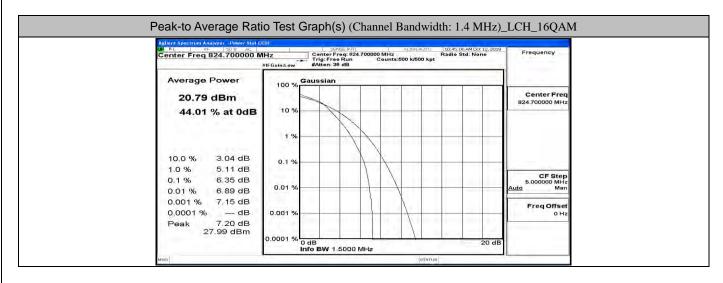
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
iviodulation	Griannei	[dB]	[dB]	verdict	
	LCH	5.41	<13	PASS	
QPSK	MCH	5.6	<13	PASS	
	HCH	5.42	<13	PASS	
16QAM	LCH	6.23	<13	PASS	
	MCH	6.4	<13	PASS	
	HCH	6.22	<13	PASS	

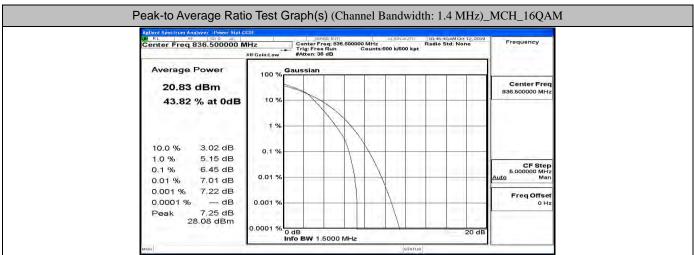
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
Modulation	Griannei	[dB]	[dB]	verdict	
	LCH	5.39	<13	PASS	
QPSK	MCH	5.61	<13	PASS	
	HCH	5.49	<13	PASS	
	LCH	6.18	<13	PASS	
16QAM	MCH	6.3	<13	PASS	
	HCH	6.23	<13	PASS	

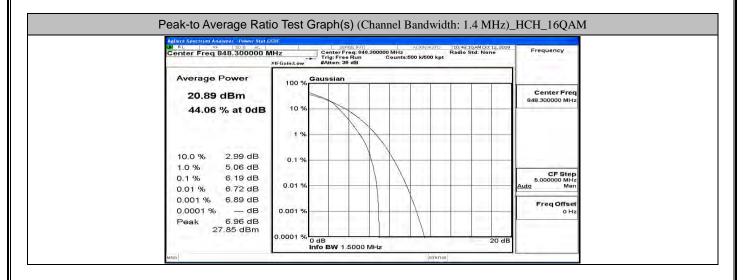


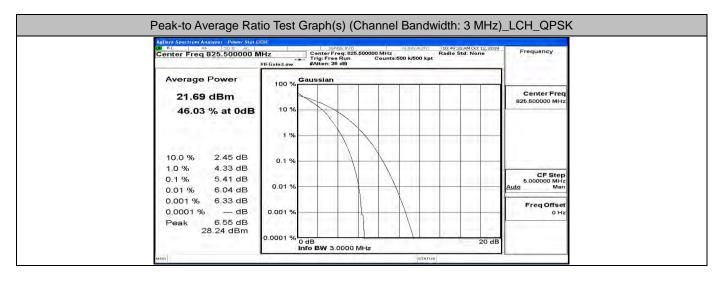


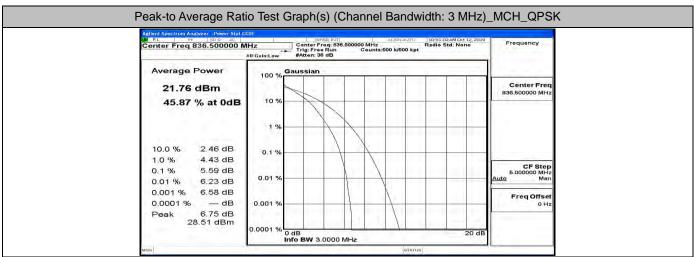


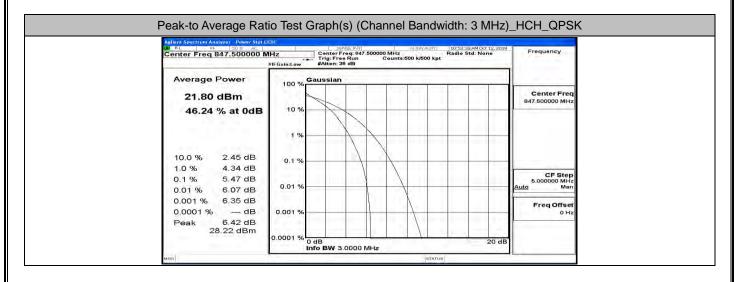


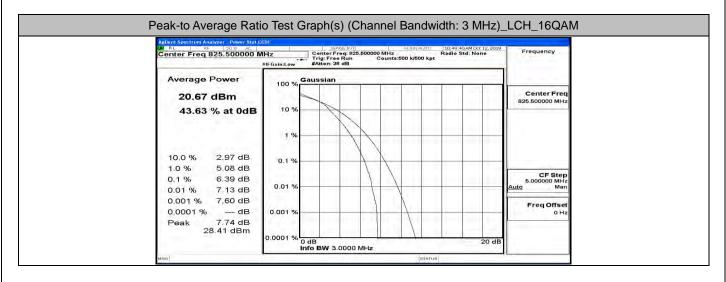


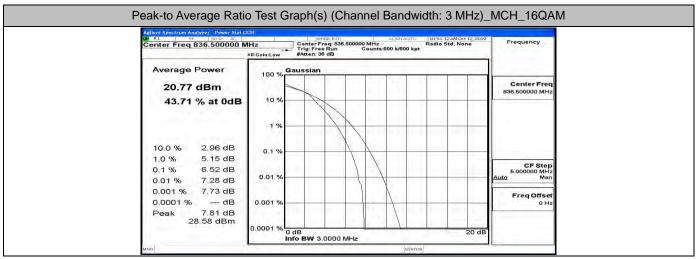


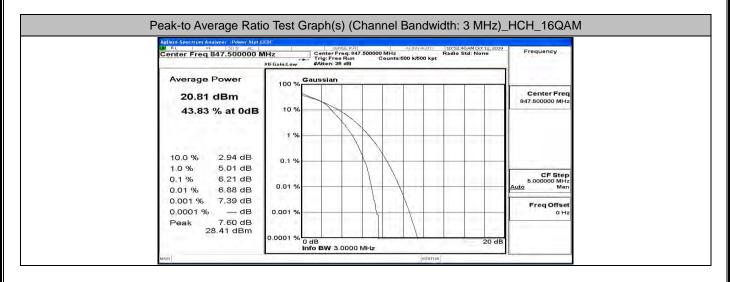


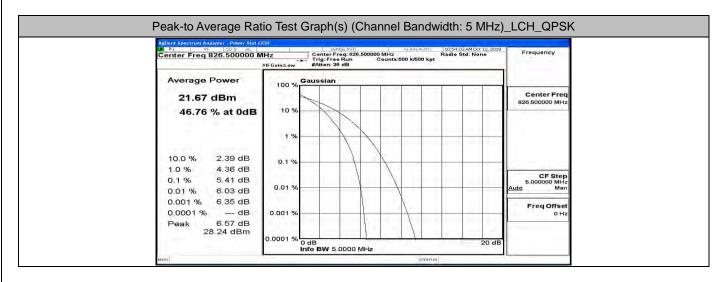


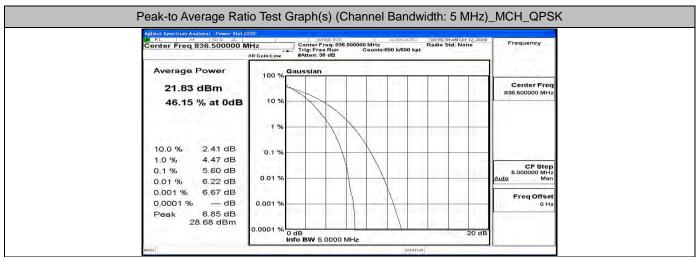


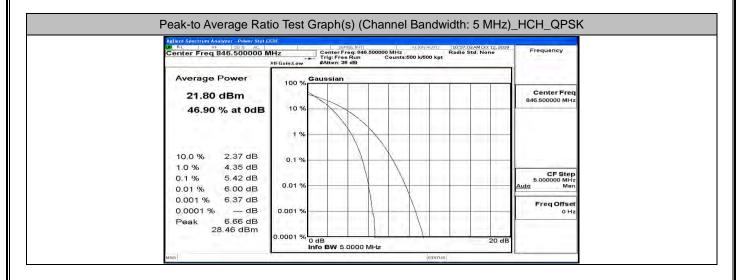


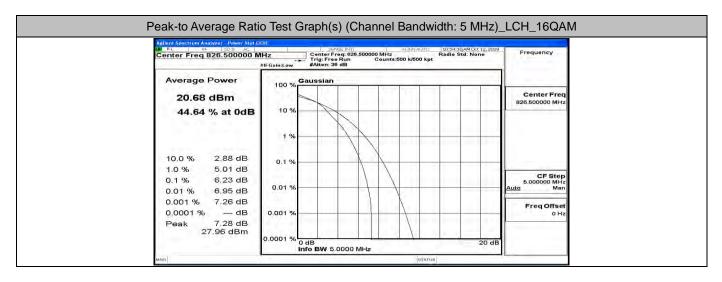


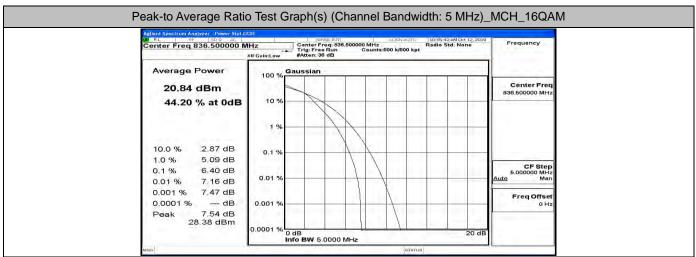


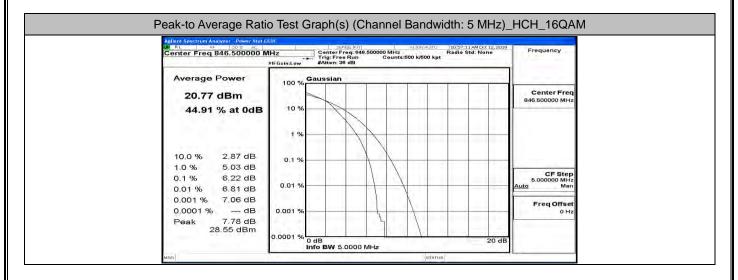


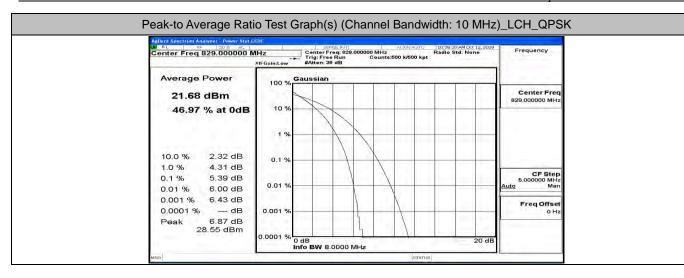


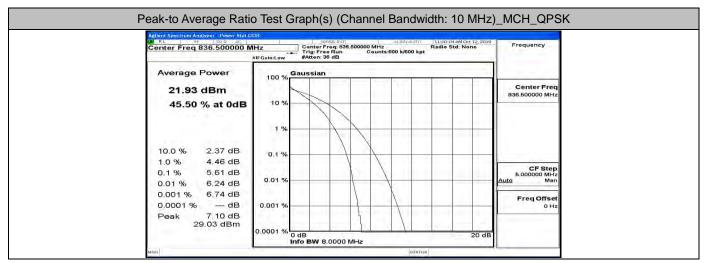


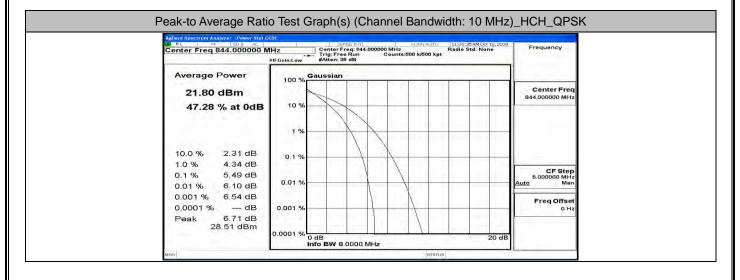


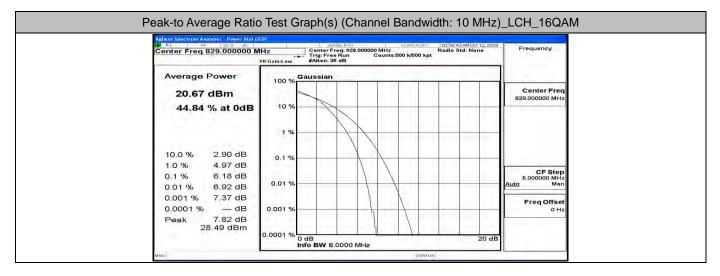


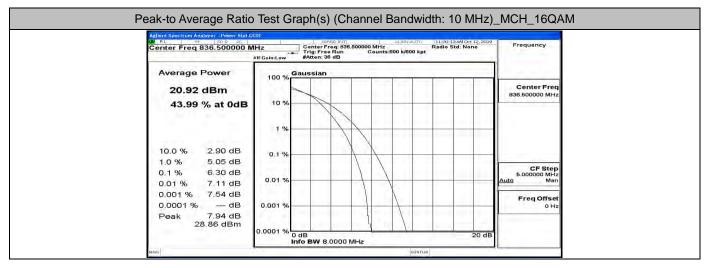


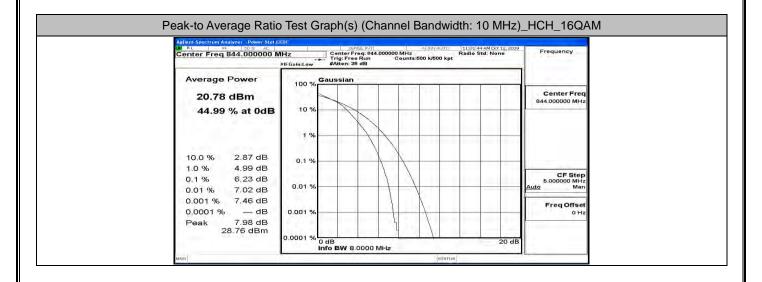












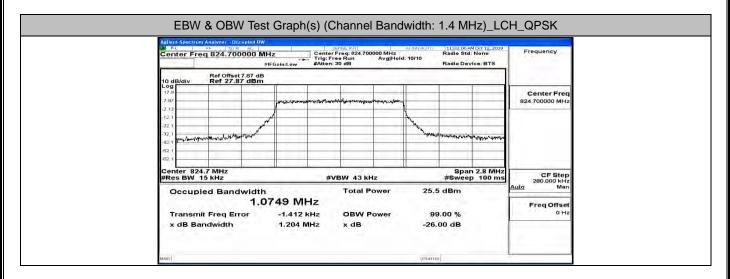
E.3 26dB Bandwidth and Occupied Bandwidth

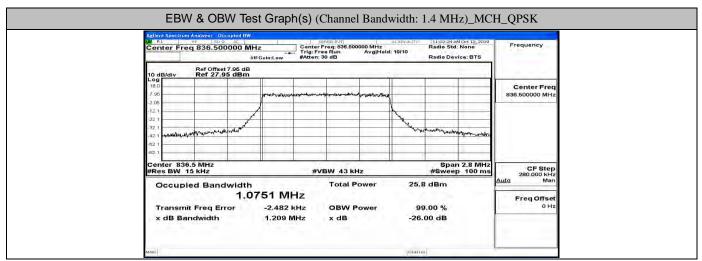
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
Modulation	Griannei	(MHz)	(MHz)	verdict		
	LCH	1.0749	1.204	PASS		
QPSK	MCH	1.0751	1.209	PASS		
	HCH	1.0770	1.217	PASS		
16QAM	LCH	1.0788	1.219	PASS		
	MCH	1.0771	1.239	PASS		
	HCH	1.0765	1.239	PASS		

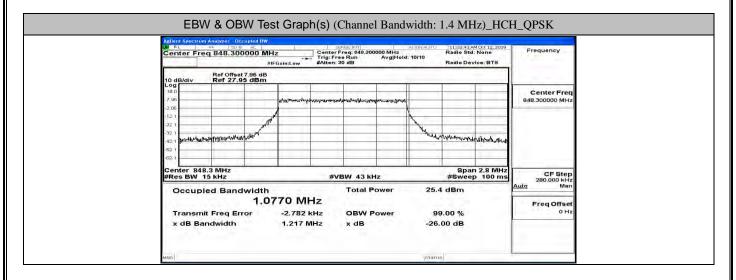
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)						
M 1 1 C	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
Modulation	Charmer	(MHz)	(MHz)	verdict		
QPSK	LCH	2.6782	2.828	PASS		
	MCH	2.6768	2.828	PASS		
	HCH	2.6779	2.828	PASS		
16QAM	LCH	2.6765	2.843	PASS		
	MCH	2.6812	2.824	PASS		
	HCH	2.6825	2.827	PASS		

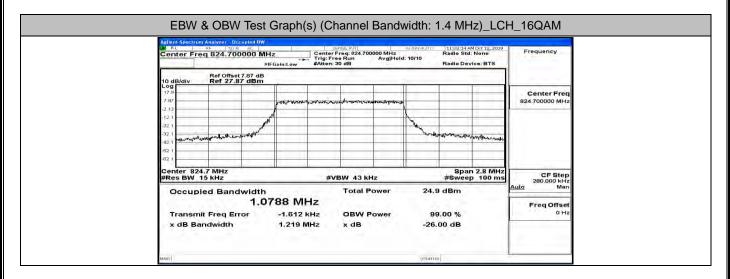
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Vordict		
Modulation	Channel	(MHz)	(MHz)	Verdict		
QPSK	LCH	4.4645	4.821	PASS		
	MCH	4.4739	4.838	PASS		
	HCH	4.4712	4.834	PASS		
16QAM	LCH	4.4790	4.842	PASS		
	MCH	4.4847	4.832	PASS		
	HCH	4.4787	4.876	PASS		

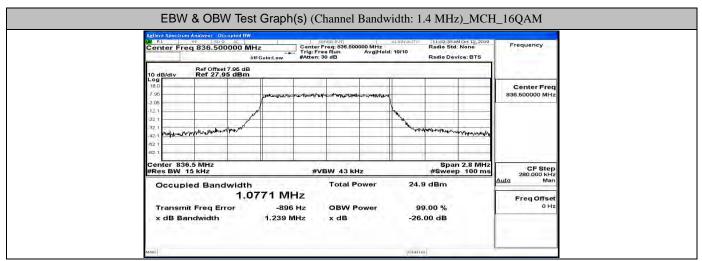
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	8.9199	9.500	PASS
	MCH	8.9543	9.546	PASS
	HCH	8.9234	9.514	PASS
16QAM	LCH	8.9160	9.498	PASS
	MCH	8.9588	9.592	PASS
	HCH	8.9407	9.477	PASS

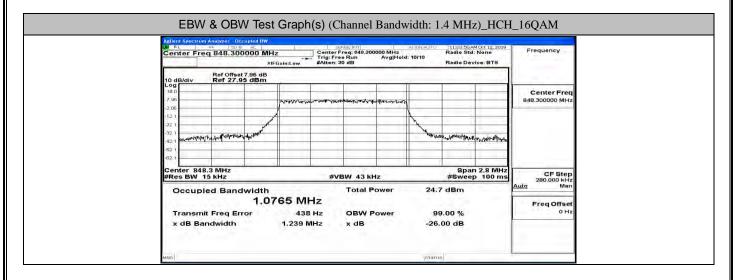


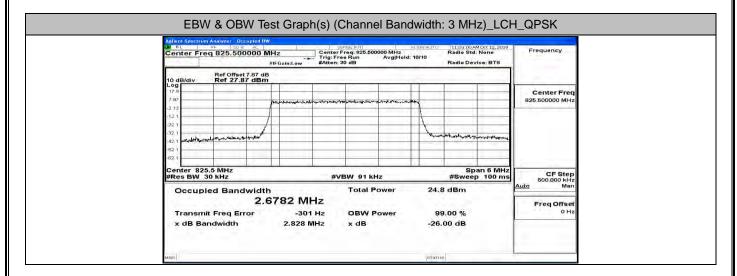


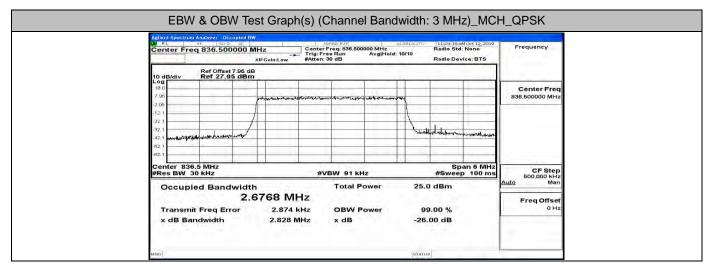


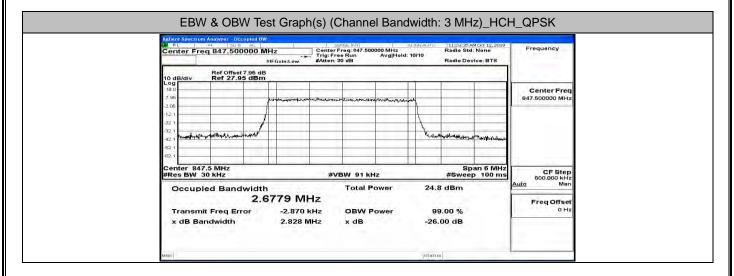


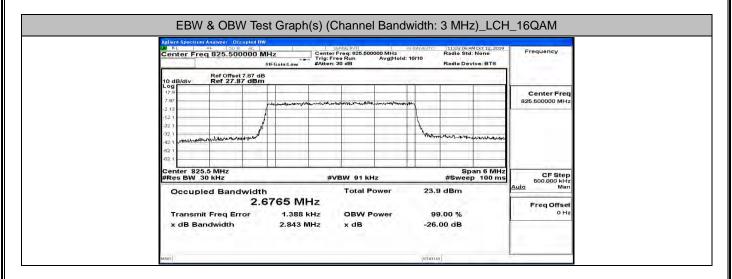


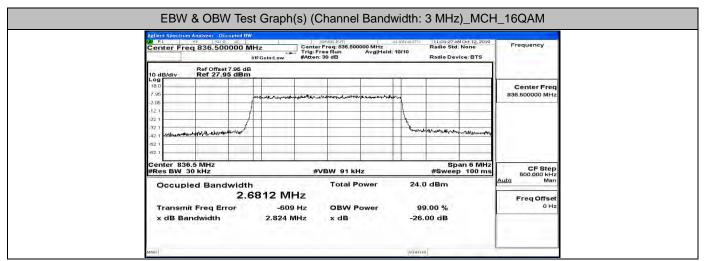


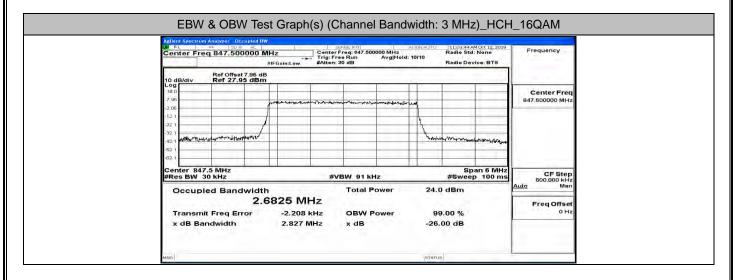


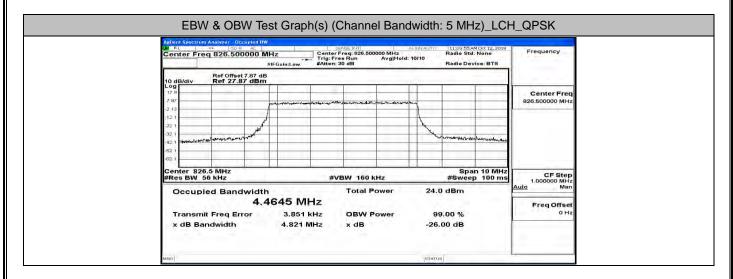


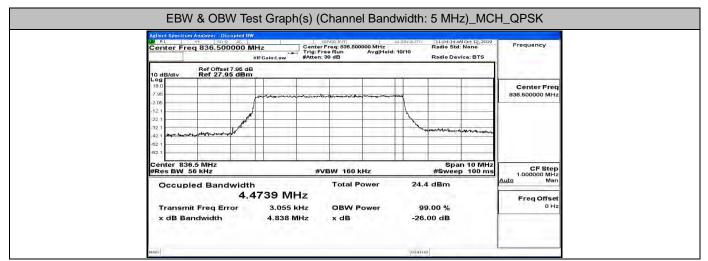


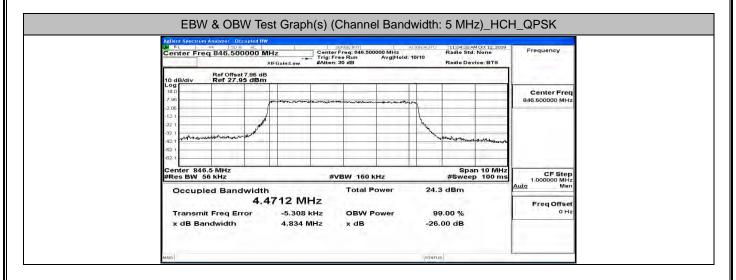


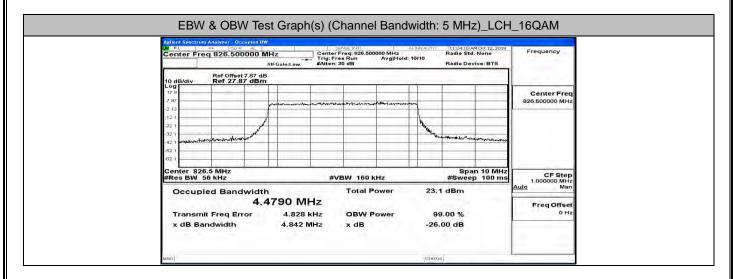


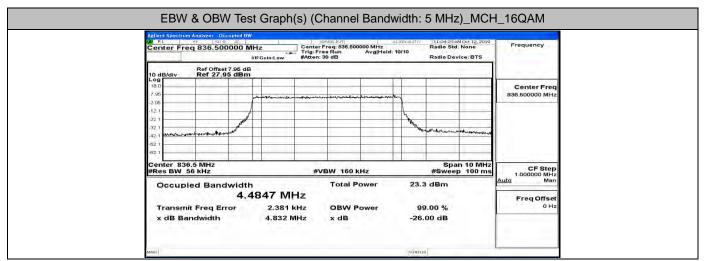


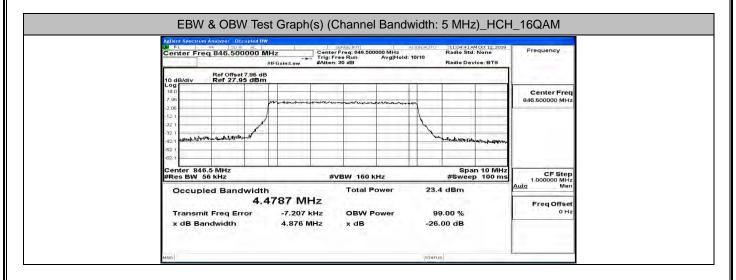


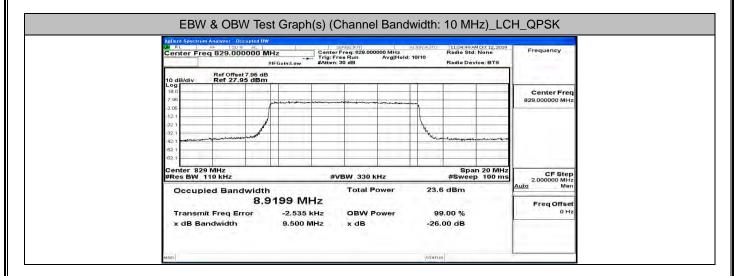


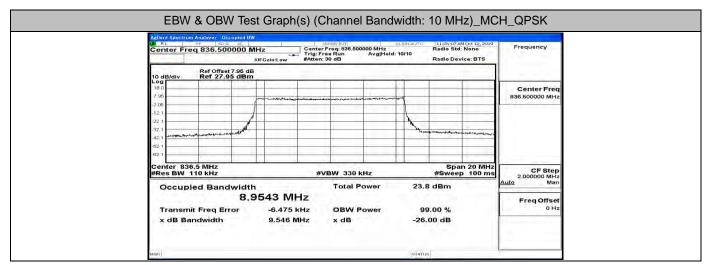


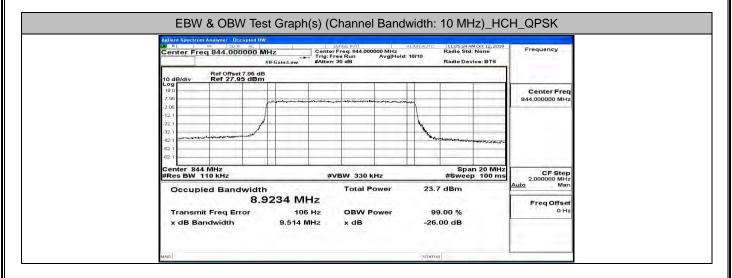


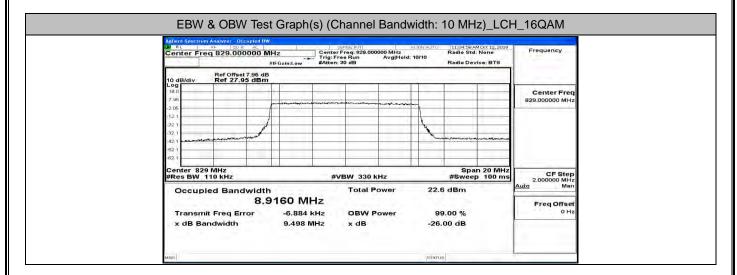


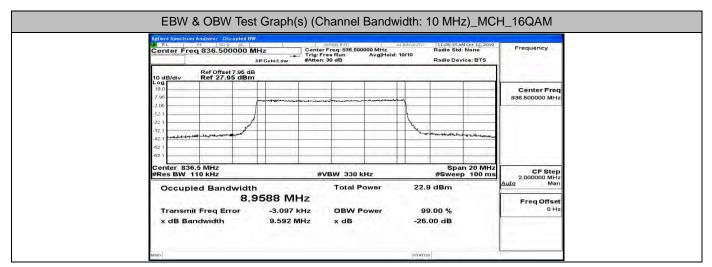


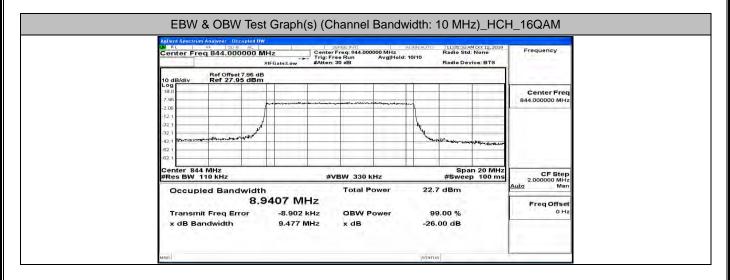




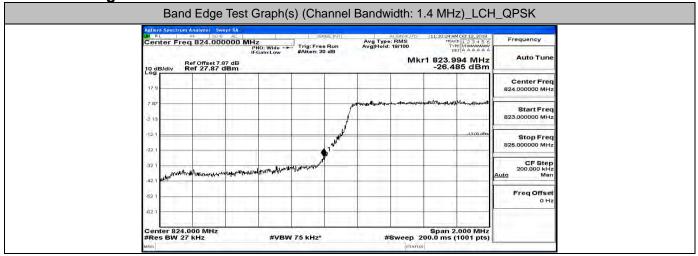


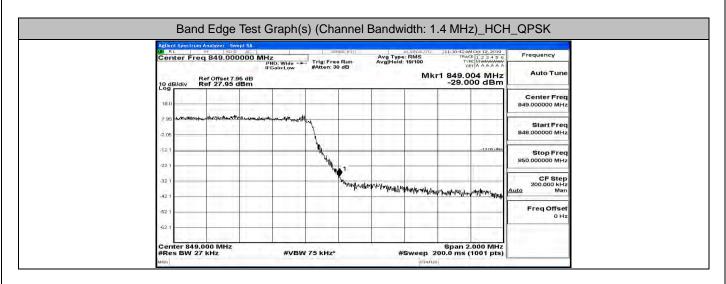


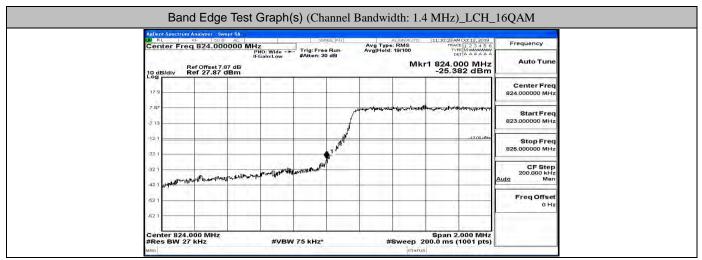


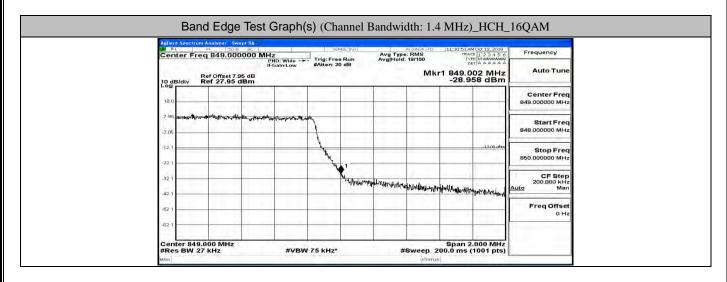


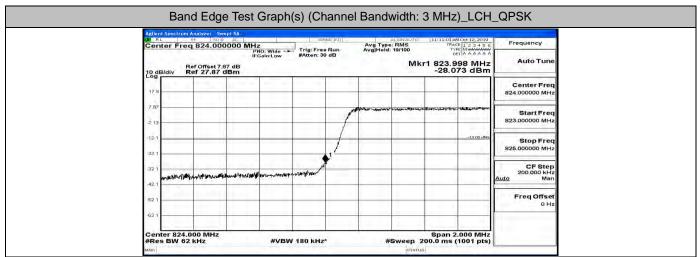
D.4 Band Edge

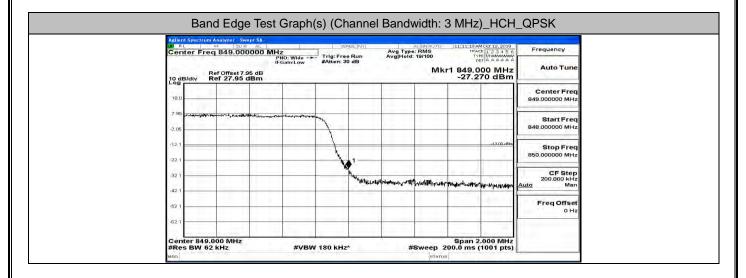


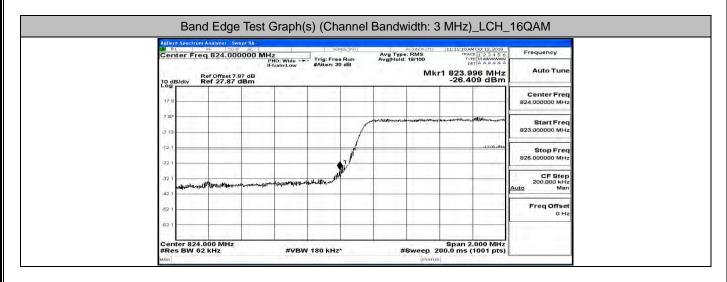


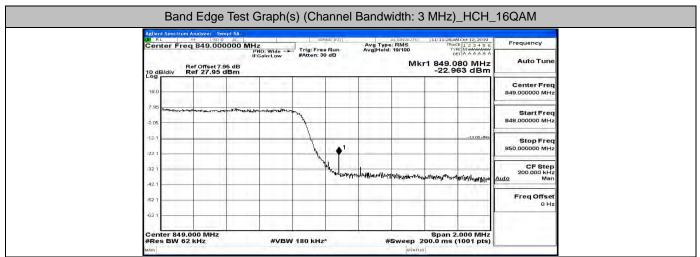


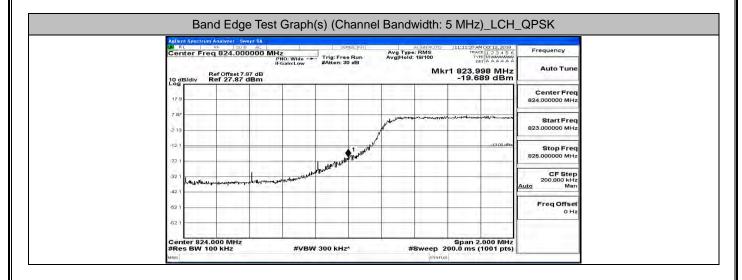


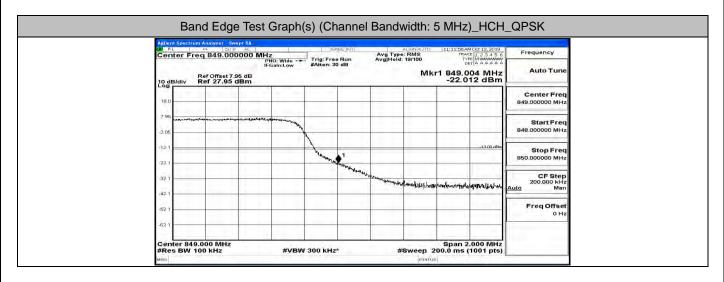


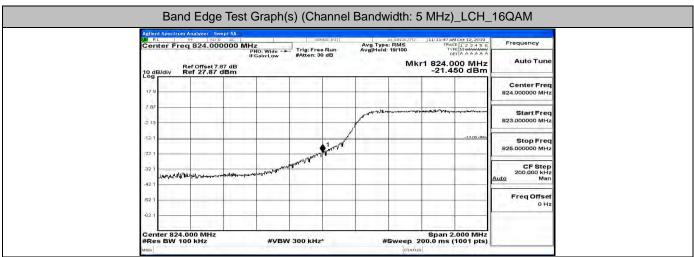


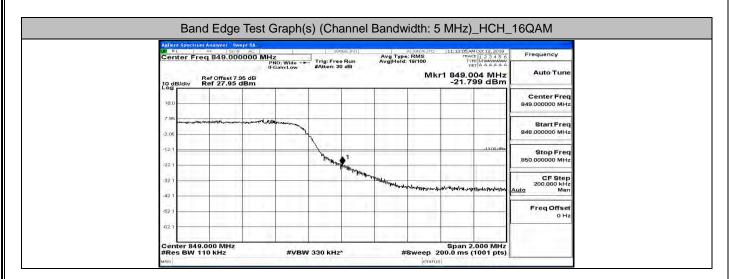




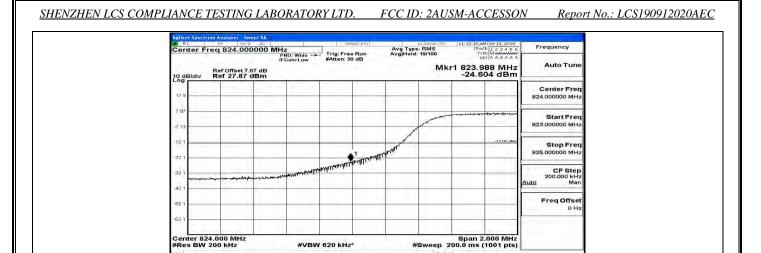




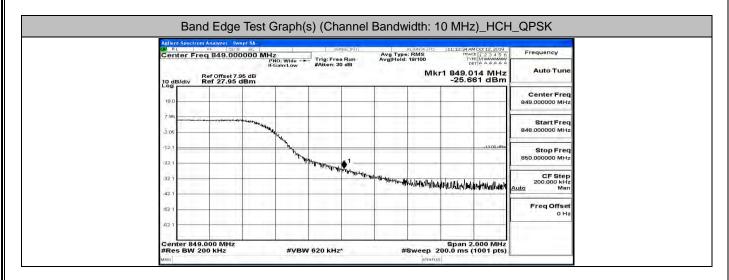


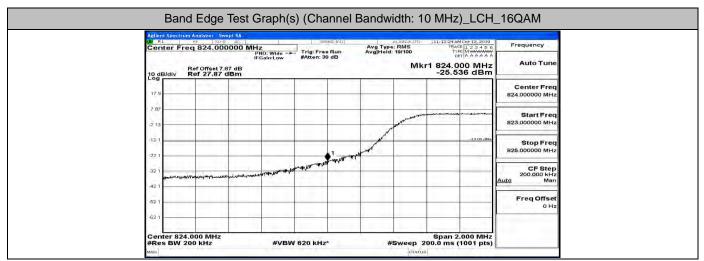


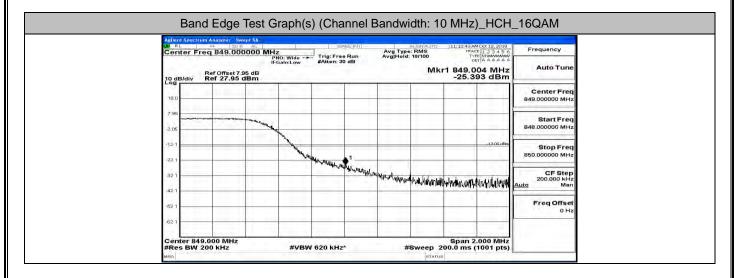
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



#VBW 620 kHz*







E.5 Conducted Spurious Emission

