Appendix D: Test Data for E-UTRA Band 7

Product Name: LTE GSM/WCDMA Smartphone Trade Mark: DOOGEE Test Model: S70

Environmental Conditions

Temperature:	
Relative Humidity:	
ATM Pressure:	100.0 kPa
Test Engineer:	
Supervised by:	Jayden Zhuo

D.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a nali at	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	21.02	20.49	PASS	
		1	12	21.40	20.71	PASS	
		1	24	20.98	20.44	PASS	
	LCH	12	0	20.06	19.35	PASS	
		12	6	20.20	19.38	PASS	
		12	13	20.13	19.34	PASS	
		25	0	20.18	19.23	PASS	
	MCH	1	0	20.96	20.05	PASS	
		1	12	21.23	20.28	PASS	
QPSK /		1	24	20.95	20.05	PASS	
16QAM		12	0	20.04	19.10	PASS	
TOQAM		12	6	20.11	19.16	PASS	
		12	13	20.07	19.11	PASS	
		25	0	20.11	19.10	PASS	
		1	0	20.53	19.82	PASS	
		1	12	20.80	20.18	PASS	
		1	24	20.53	19.81	PASS	
	HCH	12	0	19.75	18.84	PASS	
		12	6	19.80	18.90	PASS	
		12	13	19.71	18.82	PASS	
		25	0	19.81	18.89	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	21.10	20.46	PASS	
		1	24	21.29	20.63	PASS	
		1	49	21.03	20.36	PASS	
	LCH	25	0	20.20	19.21	PASS	
		25	12	20.21	19.21	PASS	
		25	25	20.29	19.27	PASS	
		50	0	20.22	19.21	PASS	
	МСН	1	0	20.98	20.37	PASS	
		1	24	21.20	20.56	PASS	
ODCK /		1	49	21.00	20.37	PASS	
QPSK / 16QAM		25	0	20.19	19.21	PASS	
TOQAIVI		25	12	20.17	19.14	PASS	
		25	25	20.17	19.16	PASS	
		50	0	20.16	19.16	PASS	
		1	0	20.65	20.14	PASS	
		1	24	20.81	20.34	PASS	
		1	49	20.68	20.12	PASS	
	HCH	25	0	19.89	18.95	PASS	
		25	12	19.77	18.84	PASS	
		25	25	19.74	18.76	PASS	
		50	0	19.85	18.83	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)							
Madulation	Channal	RB Conf	figuration	Average Power [dBm]	Average Power [dBm]	\/andiat	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	21.06	20.33	PASS	
		1	37	21.20	20.62	PASS	
		1	74	20.94	20.23	PASS	
	LCH	37	0	20.12	19.11	PASS	
		37	18	20.24	19.21	PASS	
		37	38	20.17	19.11	PASS	
		75	0	20.21	19.15	PASS	
	MCH	1	0	20.94	20.28	PASS	
		1	37	21.16	20.58	PASS	
QPSK /		1	74	20.96	20.27	PASS	
16QAM		37	0	20.14	19.07	PASS	
TOQAIVI		37	18	20.10	19.11	PASS	
		37	38	20.03	19.14	PASS	
		75	0	20.14	19.13	PASS	
		1	0	20.67	20.03	PASS	
		1	37	20.86	20.28	PASS	
		1	74	20.60	19.99	PASS	
	HCH	37	0	19.84	18.87	PASS	
		37	18	19.79	18.82	PASS	
		37	38	19.70	18.76	PASS	
		75	0	19.79	18.81	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)							
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict	
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict	
		1	0	21.12	20.35	PASS	
		1	49	21.39	20.57	PASS	
		1	99	20.96	20.15	PASS	
	LCH	50	0	20.06	19.04	PASS	
		50	25	20.15	19.14	PASS	
		50	50	20.14	19.06	PASS	
		100	0	20.04	19.02	PASS	
	MCH	1	0	21.02	20.24	PASS	
		1	49	21.33	20.56	PASS	
QPSK /		1	99	21.02	20.23	PASS	
16QAM		50	0	20.12	19.09	PASS	
TOQAM		50	25	20.12	19.15	PASS	
		50	50	20.12	19.12	PASS	
		100	0	20.11	19.08	PASS	
		1	0	20.73	20.13	PASS	
		1	49	20.95	20.34	PASS	
		1	99	20.58	20.05	PASS	
	HCH	50	0	19.86	18.90	PASS	
		50	25	19.84	18.83	PASS	
		50	50	19.57	18.62	PASS	
		100	0	19.71	18.68	PASS	

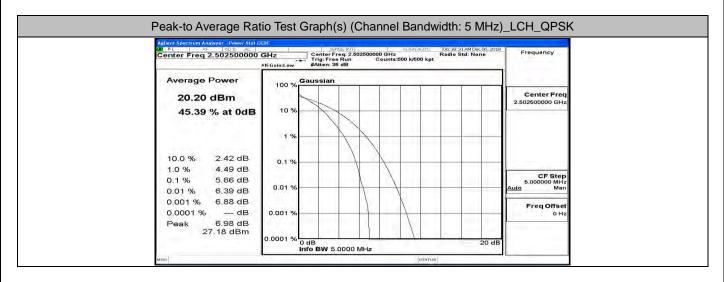
D.2 Peak-to-Average Ratio

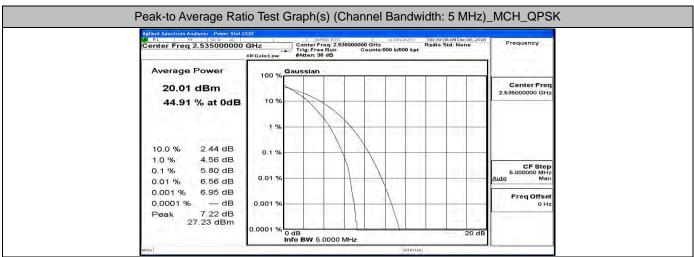
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
iviodulation	Channel	[dB]	[dB]	verdict	
	LCH	5.66	<13	PASS	
QPSK	MCH	5.8	<13	PASS	
	HCH	5.77	<13	PASS	
16QAM	LCH	6.47	<13	PASS	
	MCH	6.61	<13	PASS	
	HCH	6.55	<13	PASS	

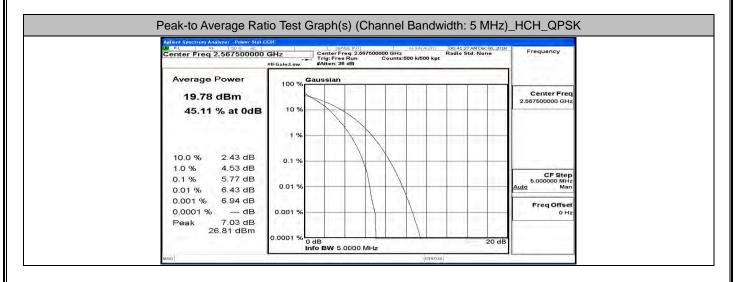
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	5.65	<13	PASS		
QPSK	MCH	5.83	<13	PASS		
	HCH	5.76	<13	PASS		
16QAM	LCH	6.38	<13	PASS		
	MCH	6.5	<13	PASS		
	HCH	6.49	<13	PASS		

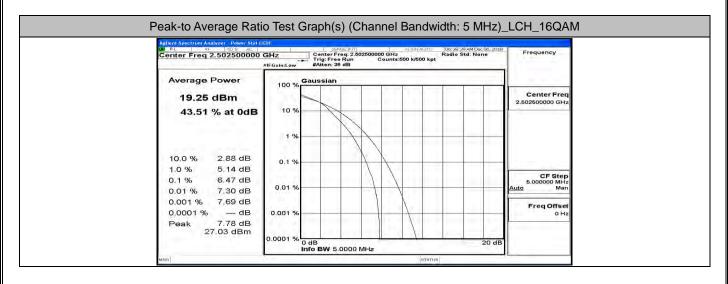
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	5.01	<13	PASS		
QPSK	MCH	5.01	<13	PASS		
	HCH	4.97	<13	PASS		
	LCH	6.28	<13	PASS		
16QAM	MCH	6.3	<13	PASS		
	HCH	6.24	<13	PASS		

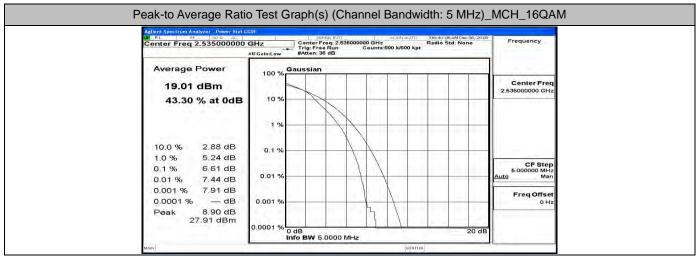
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
Modulation	Channel	[dB]	[dB]	verdict	
	LCH	5.69	<13	PASS	
QPSK	MCH	5.7	<13	PASS	
	HCH	5.68	<13	PASS	
	LCH	6.77	<13	PASS	
16QAM	MCH	6.78	<13	PASS	
	HCH	6.74	<13	PASS	

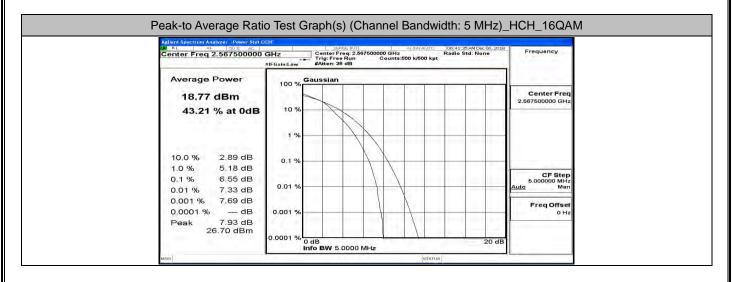


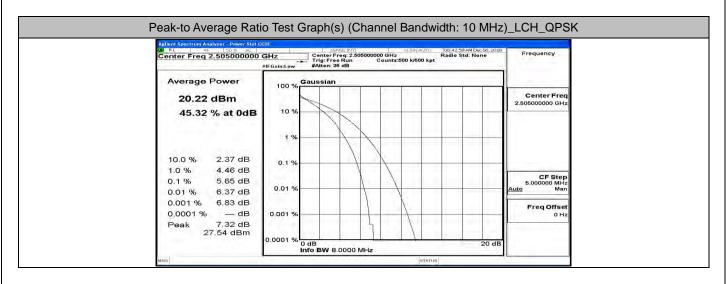


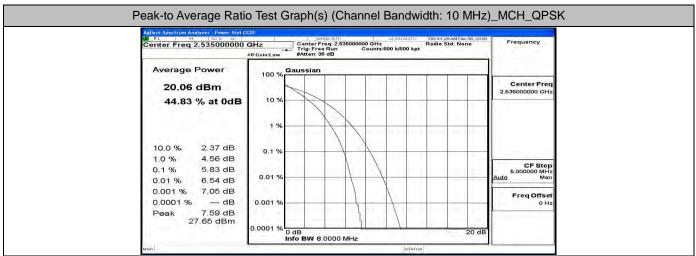


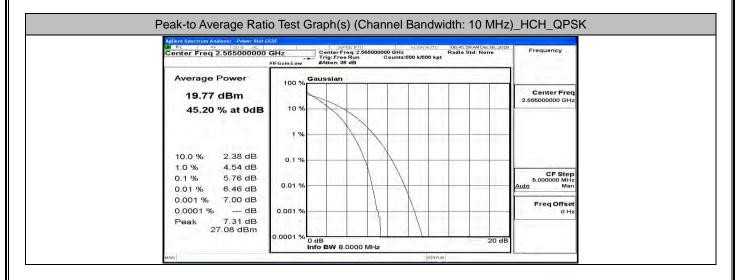


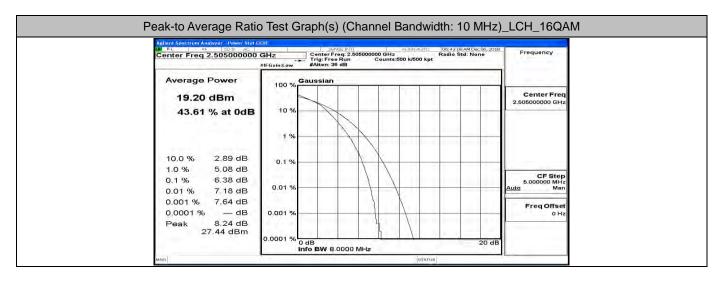


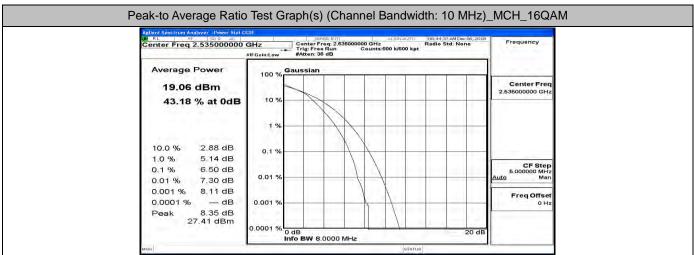


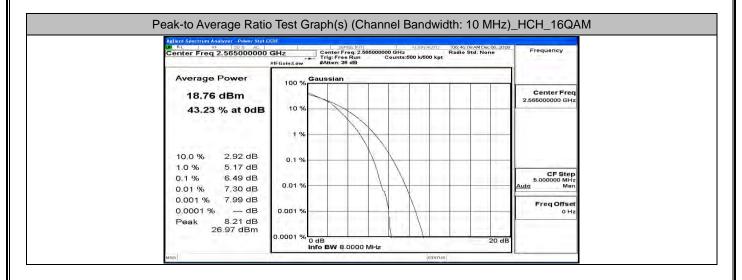


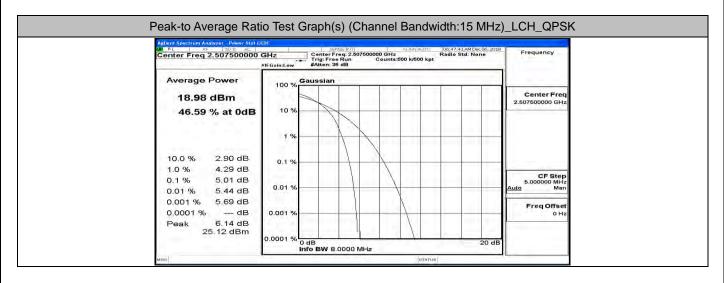


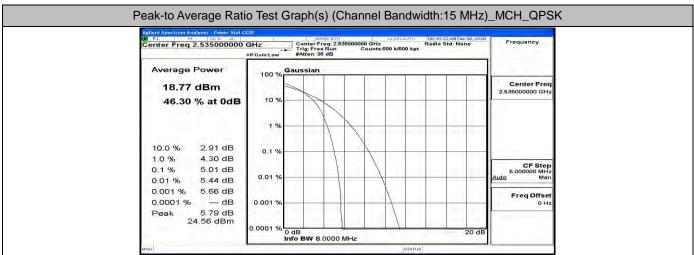


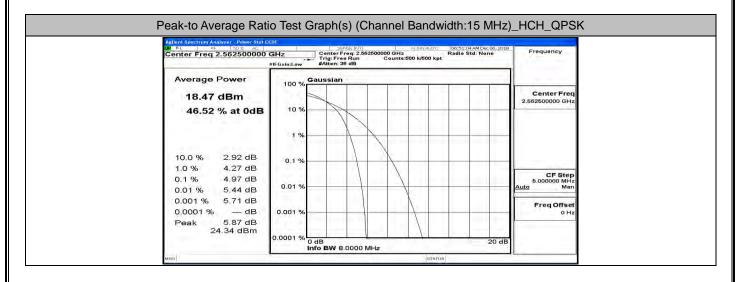


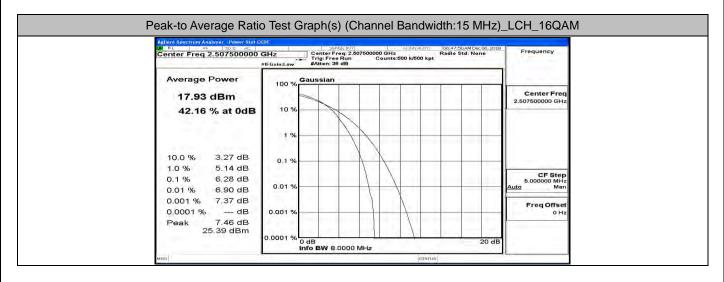


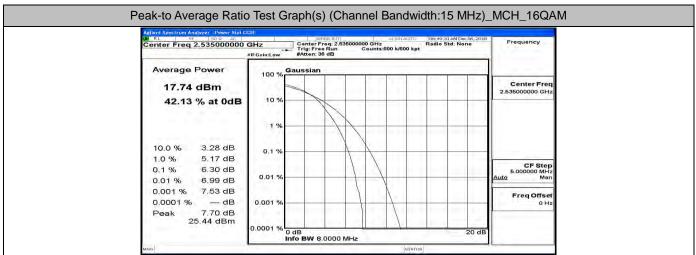


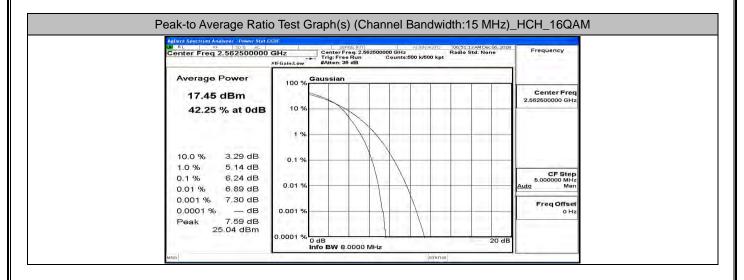


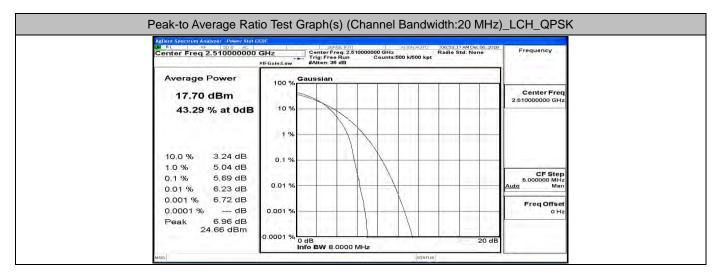


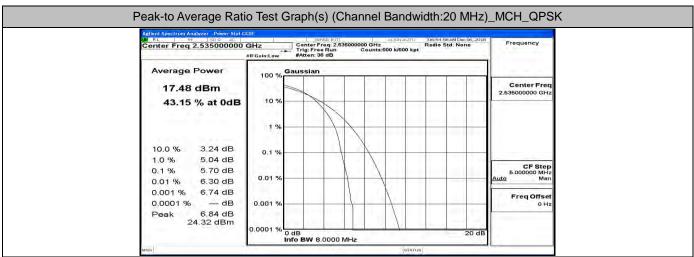


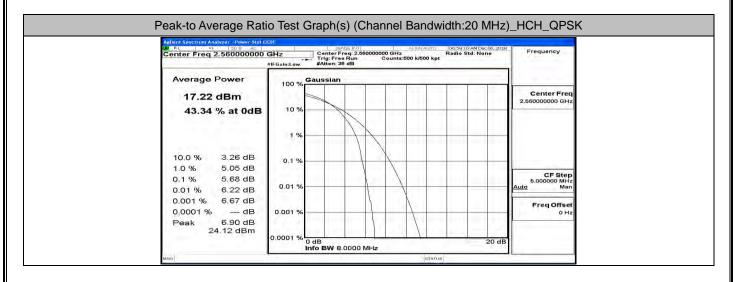


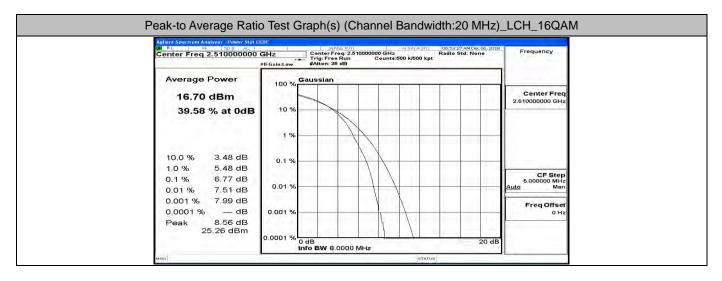


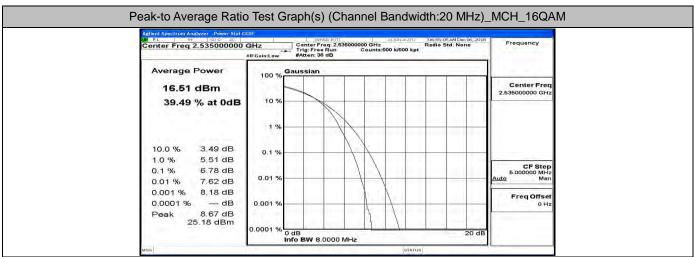


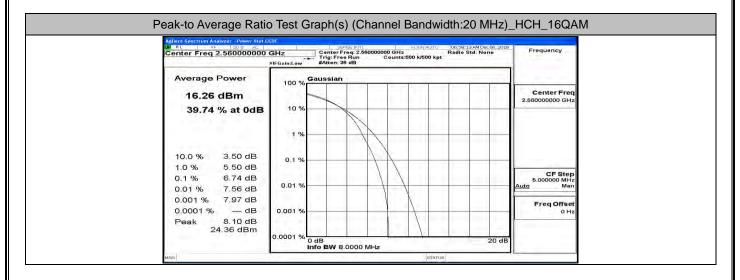












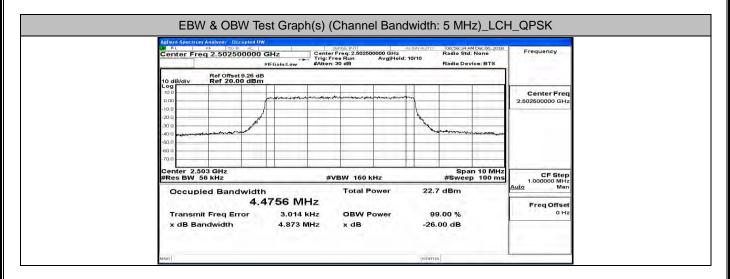
D.3 26dB Bandwidth and Occupied Bandwidth

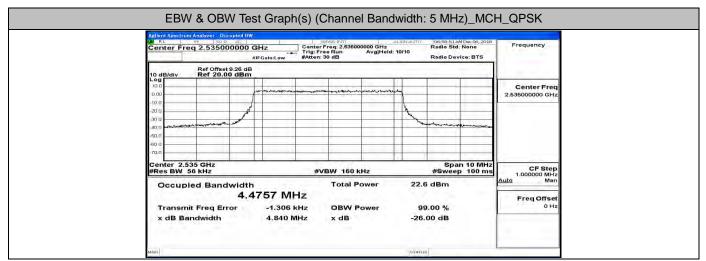
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
Modulation	Charmer	(MHz)	(MHz)	verdict		
	LCH	4.4756	4.873	PASS		
QPSK	MCH	4.4757	4.840	PASS		
	HCH	4.4886	4.868	PASS		
16QAM	LCH	4.4803	4.782	PASS		
	MCH	4.4794	4.938	PASS		
	HCH	4.4823	4.920	PASS		

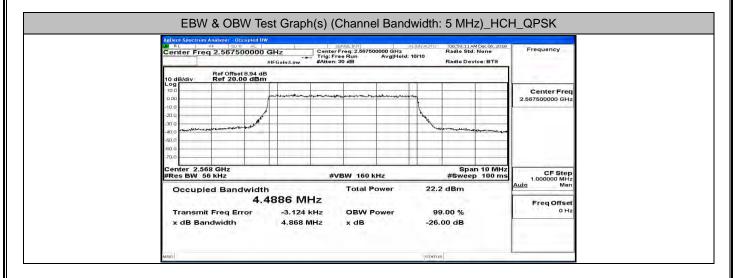
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict		
	LCH	8.9437	9.594	PASS		
QPSK	MCH	8.9486	9.550	PASS		
	HCH	8.9421	9.434	PASS		
16QAM	LCH	8.9355	9.651	PASS		
	MCH	8.9462	9.476	PASS		
	HCH	8.9484	9.448	PASS		

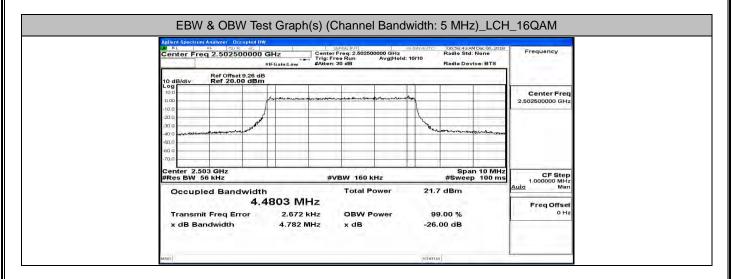
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
iviodulation	Cnannei	(MHz)	(MHz)	verdict		
	LCH	13.394	14.15	PASS		
QPSK	MCH	13.434	14.03	PASS		
	HCH	13.417	14.15	PASS		
16QAM	LCH	13.393	14.01	PASS		
	MCH	13.426	14.11	PASS		
	HCH	13.411	14.09	PASS		

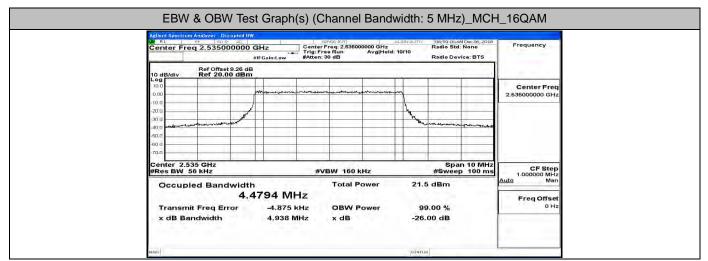
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	17.838	18.69	PASS
	MCH	17.879	18.64	PASS
	HCH	17.841	18.62	PASS
16QAM	LCH	17.853	18.62	PASS
	MCH	17.875	18.67	PASS
	HCH	17.832	18.65	PASS

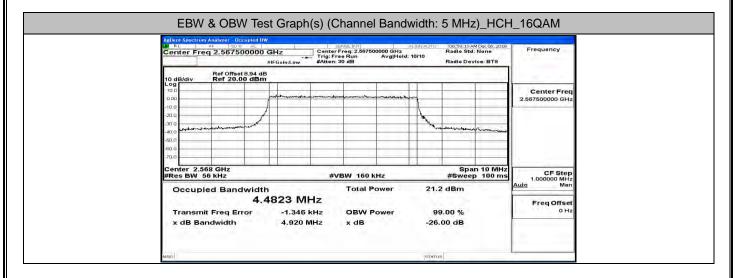


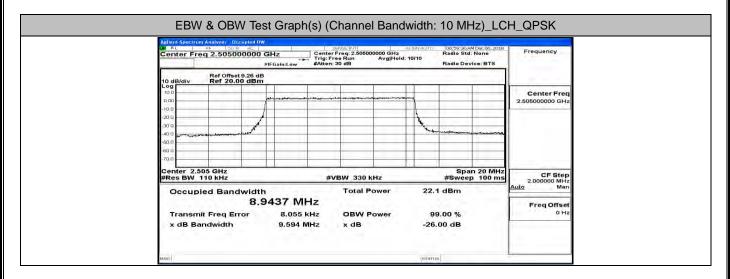


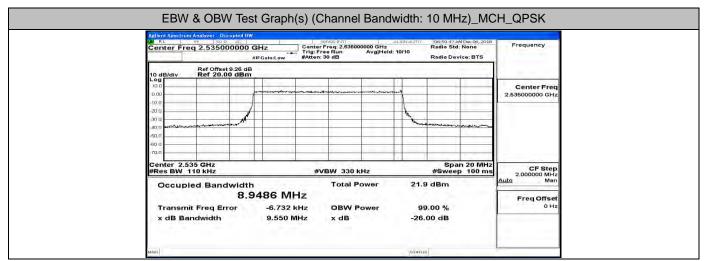


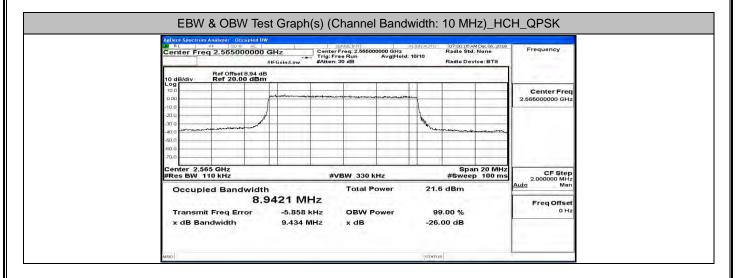


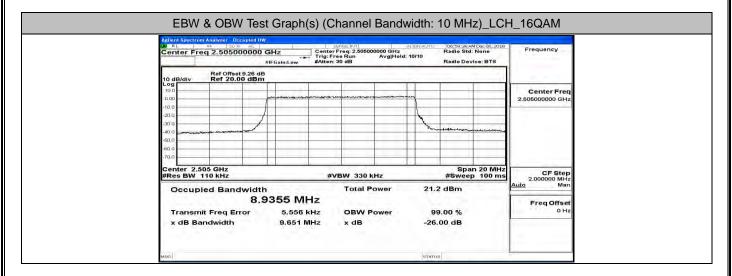


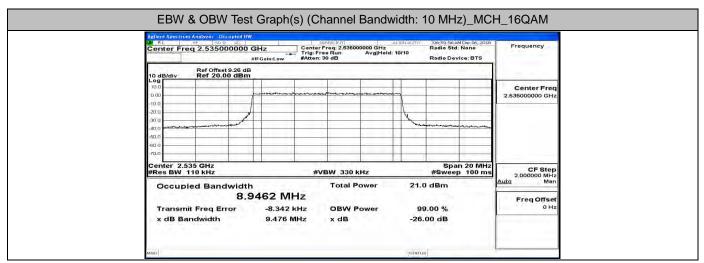


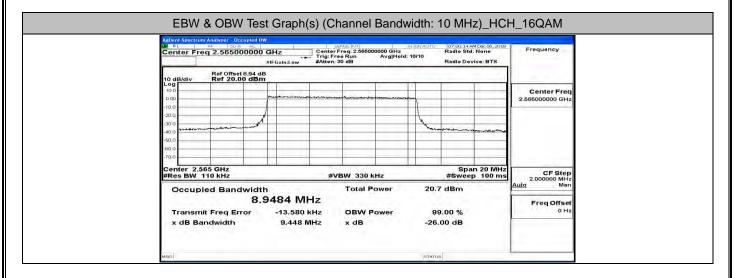


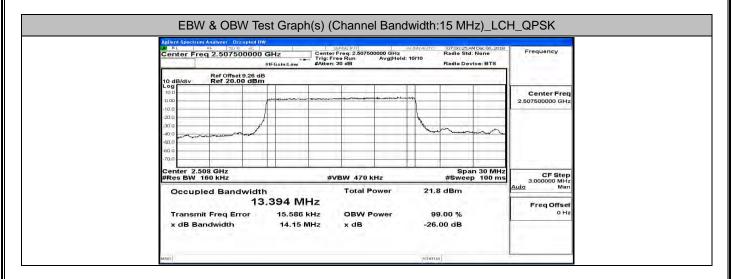


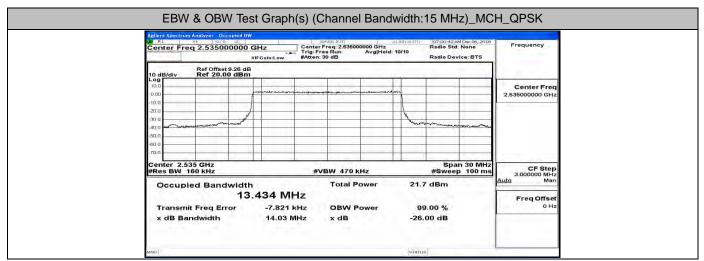


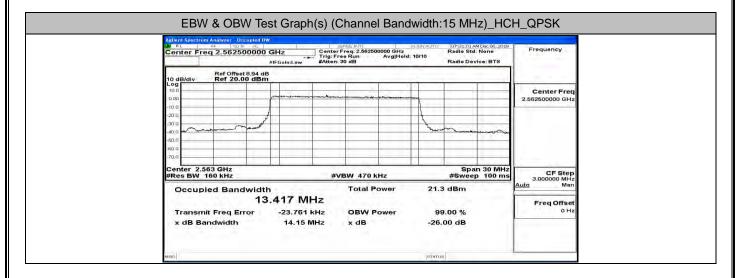


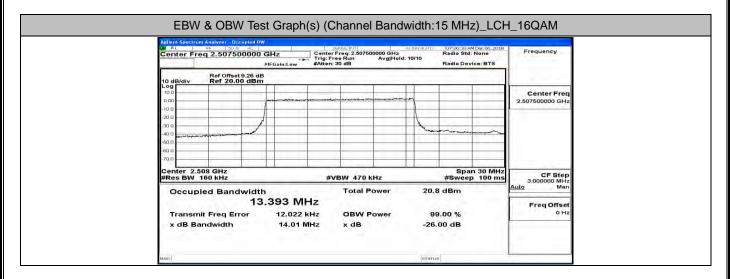


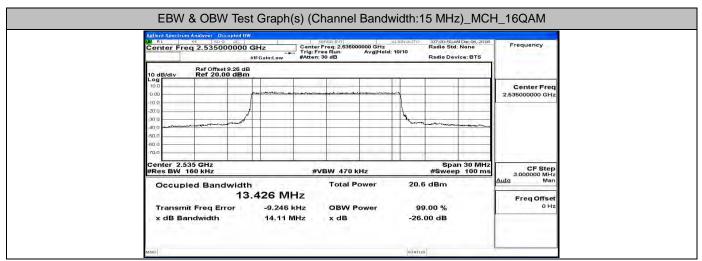


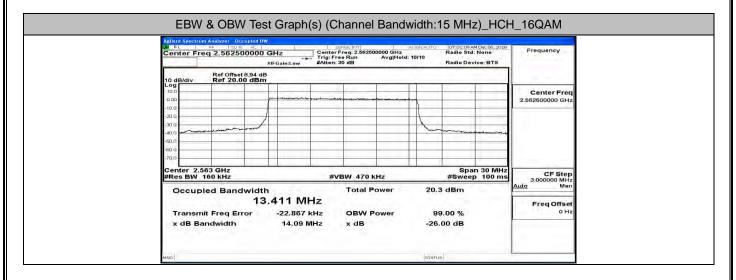


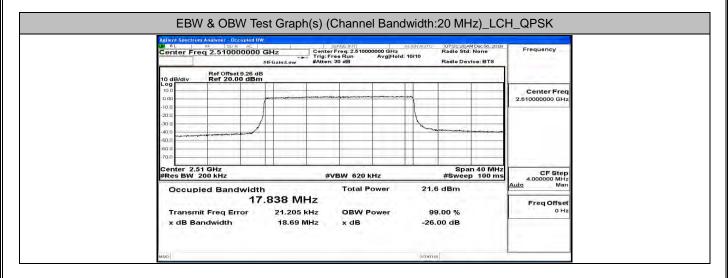


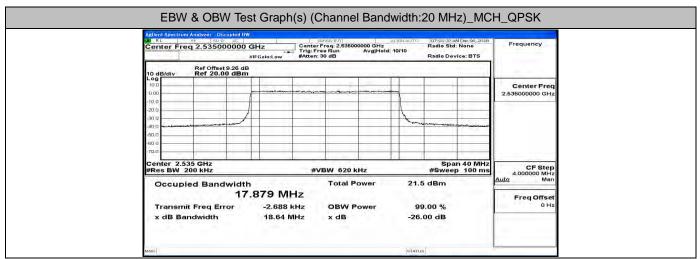


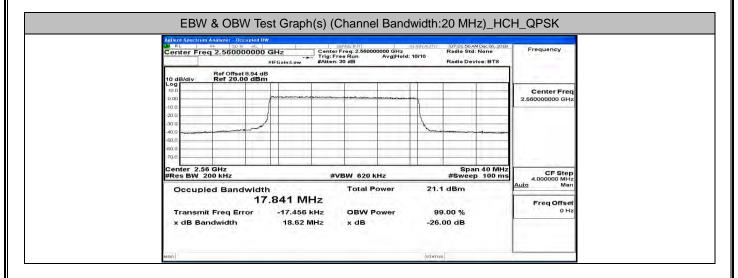


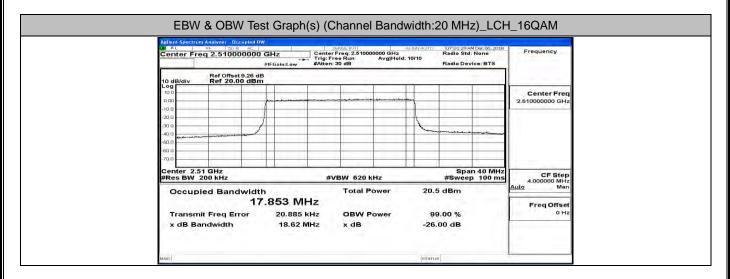


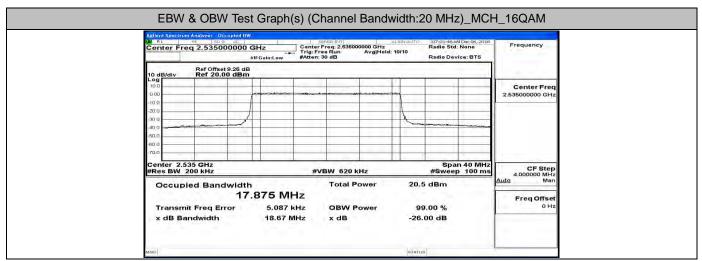


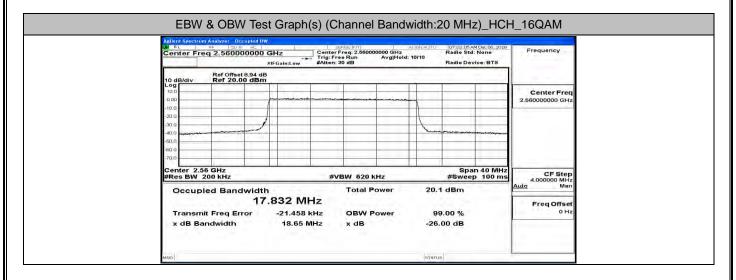




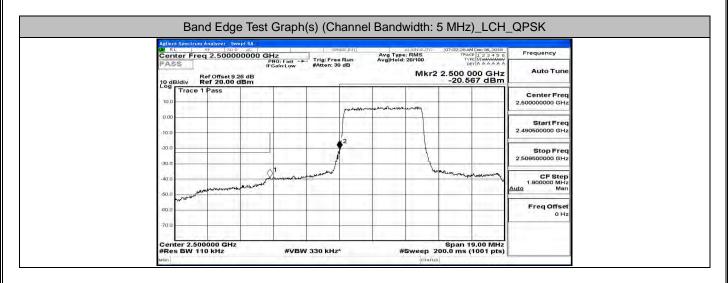


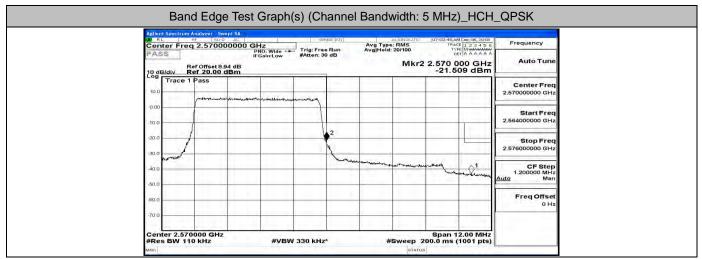


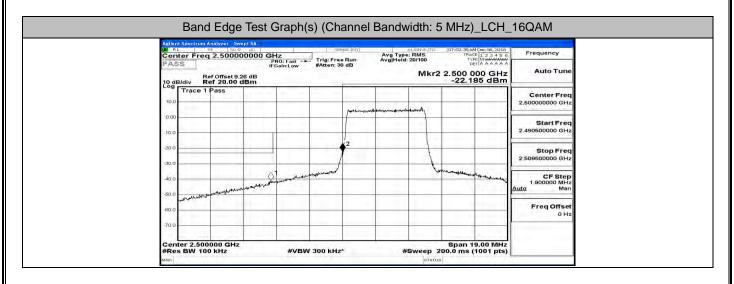


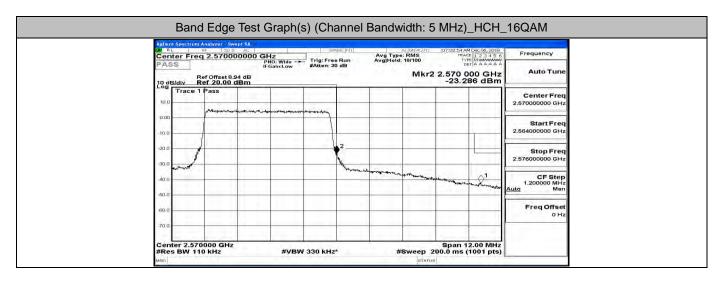


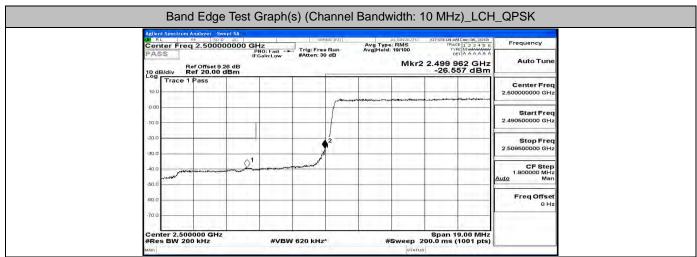
D.4 Band Edge

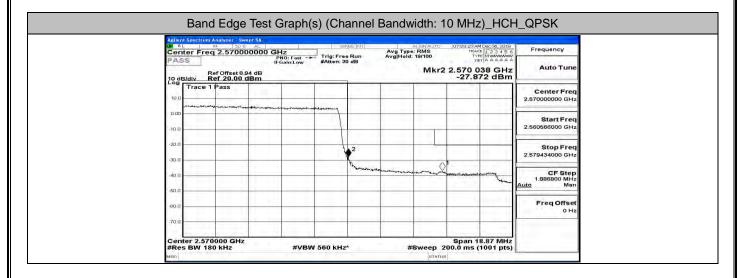


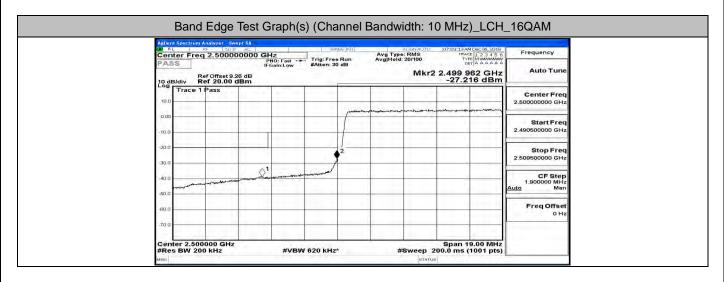


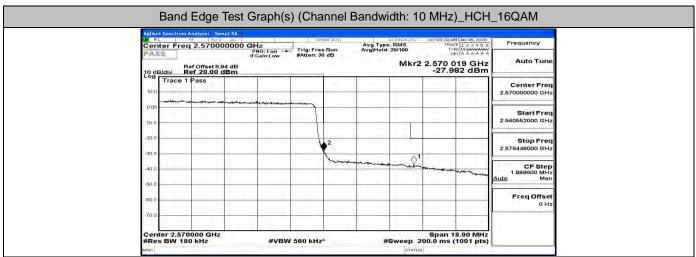


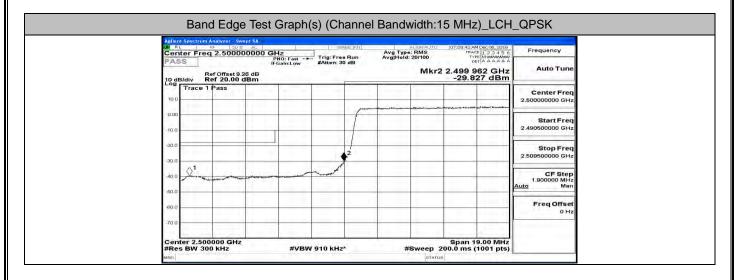


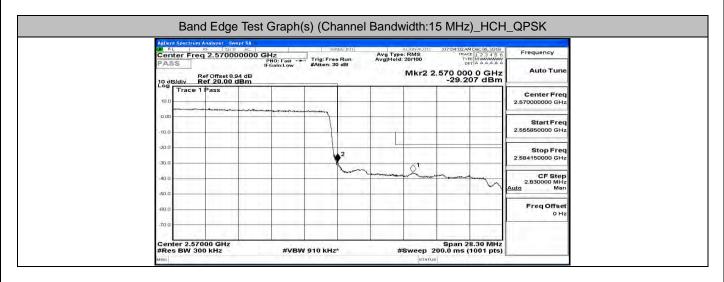


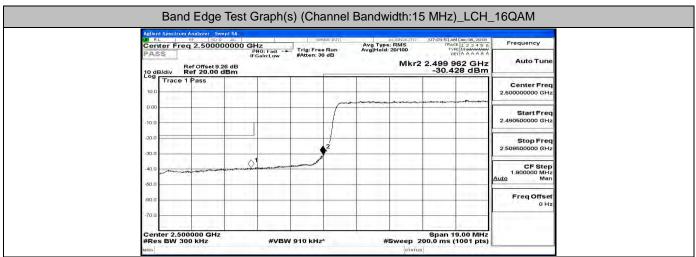


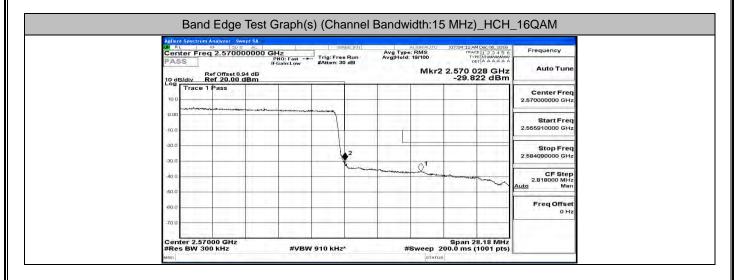


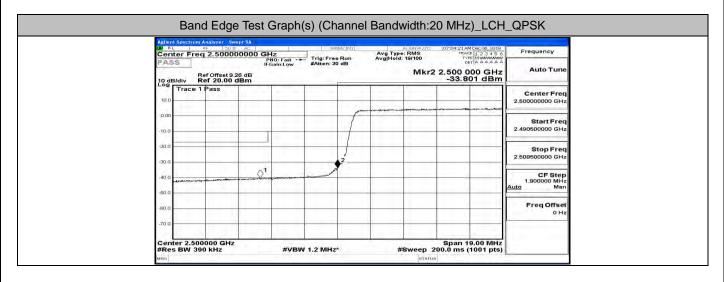


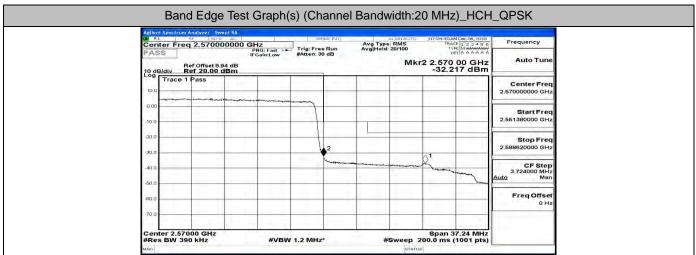


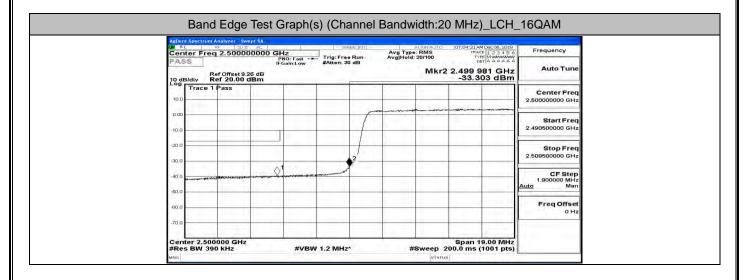


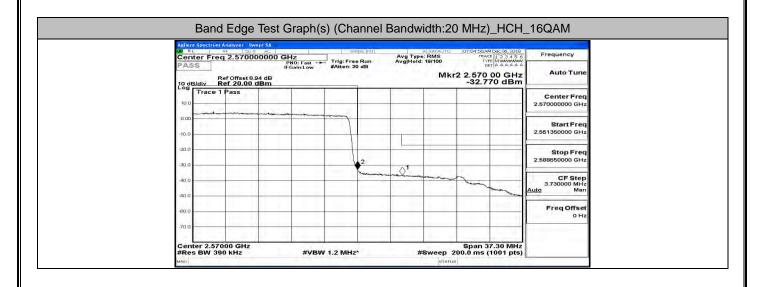












D.5 Conducted Spurious Emission

