Appendix D: Test Data for E-UTRA Band 7

Product Name: LTE GSM/WCDMA Smartphone

Trade Mark: DOOGEE Test Model: S70 Lite

Environmental Conditions

Temperature:	22.8
Relative Humidity:	53.2
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.Xu
Supervised by:	Jayden Zhuo

D.1 Conducted Output Power

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	23.43	22.77	PASS
		1	12	23.74	23.04	PASS
		1	24	23.43	22.69	PASS
	LCH	12	0	22.56	21.68	PASS
		12	6	22.64	21.75	PASS
		12	13	22.60	21.71	PASS
		25	0	22.60	21.60	PASS
	МСН	1	0	23.42	22.36	PASS
		1	12	23.80	22.73	PASS
QPSK /		1	24	23.43	22.37	PASS
16QAM		12	0	22.48	21.50	PASS
IOQAIVI		12	6	22.53	21.59	PASS
		12	13	22.46	21.50	PASS
		25	0	22.53	21.53	PASS
		1	0	22.95	22.06	PASS
		1	12	23.26	22.37	PASS
		1	24	23.18	22.01	PASS
	HCH	12	0	22.13	21.18	PASS
		12	6	22.16	21.21	PASS
		12	13	22.13	21.15	PASS
		25	0	22.16	21.19	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict
		1	0	23.62	22.77	PASS
		1	24	23.72	22.92	PASS
		1	49	23.51	22.63	PASS
	LCH	25	0	22.60	21.58	PASS
		25	12	22.68	21.59	PASS
		25	25	22.66	21.57	PASS
		50	0	22.59	21.58	PASS
	мсн	1	0	23.40	22.66	PASS
		1	24	23.61	22.85	PASS
QPSK /		1	49	23.44	22.64	PASS
16QAM		25	0	22.55	21.54	PASS
TOQAM		25	12	22.56	21.56	PASS
		25	25	22.57	21.57	PASS
		50	0	22.59	21.54	PASS
		1	0	23.12	22.40	PASS
		1	24	23.07	22.59	PASS
		1	49	23.22	22.31	PASS
	HCH	25	0	22.27	21.28	PASS
		25	12	22.16	21.20	PASS
		25	25	22.18	21.17	PASS
		50	0	22.19	21.24	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	RB Conf	figuration	Average Power [dBm]	Average Power [dBm]	Vardiat	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	23.52	22.75	PASS	
		1	37	23.79	22.92	PASS	
		1	74	23.40	22.51	PASS	
	LCH	37	0	22.71	21.55	PASS	
		37	18	22.73	21.60	PASS	
		37	38	22.73	21.58	PASS	
		75	0	22.71	21.58	PASS	
		1	0	23.31	22.59	PASS	
	MCH	1	37	23.58	22.86	PASS	
QPSK /		1	74	23.33	22.56	PASS	
16QAM		37	0	22.58	21.50	PASS	
IOQAW		37	18	22.59	21.53	PASS	
		37	38	22.64	21.56	PASS	
		75	0	22.62	21.52	PASS	
		1	0	23.19	22.23	PASS	
		1	37	23.25	22.52	PASS	
		1	74	23.19	22.22	PASS	
	HCH	37	0	22.37	21.30	PASS	
		37	18	22.31	21.24	PASS	
		37	38	22.22	21.14	PASS	
		75	0	22.35	21.22	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)							
Modulation	Channel	RB Conf	figuration	Average Power [dBm]	Average Power [dBm]	Verdict	
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict	
		1	0	23.61	22.73	PASS	
		1	49	23.85	22.87	PASS	
		1	99	23.37	22.40	PASS	
	LCH	50	0	22.35	21.35	PASS	
		50	25	22.60	21.47	PASS	
		50	50	22.46	21.40	PASS	
		100	0	22.43	21.36	PASS	
	MCH	1	0	23.39	22.56	PASS	
		1	49	23.80	22.91	PASS	
QPSK /		1	99	23.42	22.47	PASS	
16QAM		50	0	22.50	21.48	PASS	
TOQAM		50	25	22.57	21.50	PASS	
		50	50	22.56	21.57	PASS	
		100	0	22.54	21.48	PASS	
		1	0	23.19	22.34	PASS	
		1	49	23.42	22.61	PASS	
		1	99	23.12	22.23	PASS	
	HCH	50	0	22.26	21.26	PASS	
		50	25	22.18	21.22	PASS	
		50	50	21.98	21.05	PASS	
		100	0	22.13	21.08	PASS	

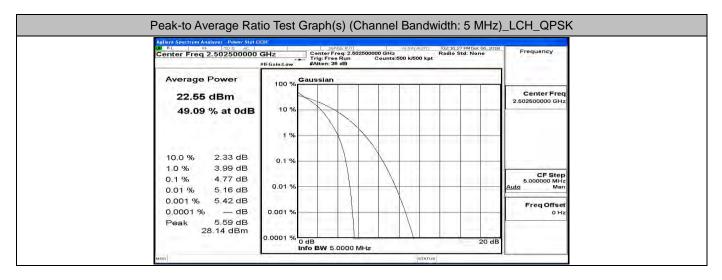
D.2 Peak-to-Average Ratio

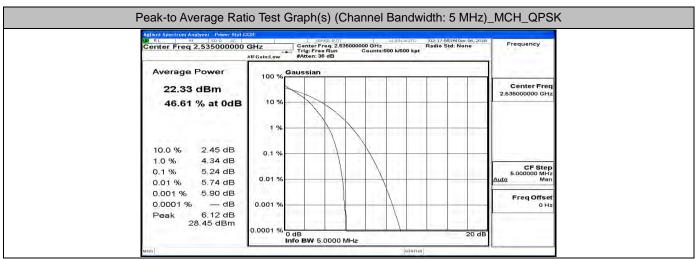
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
QPSK	LCH	4.77	<13	PASS		
	MCH	5.24	<13	PASS		
	HCH	4.87	<13	PASS		
	LCH	5.65	<13	PASS		
16QAM	MCH	6.11	<13	PASS		
	HCH	5.76	<13	PASS		

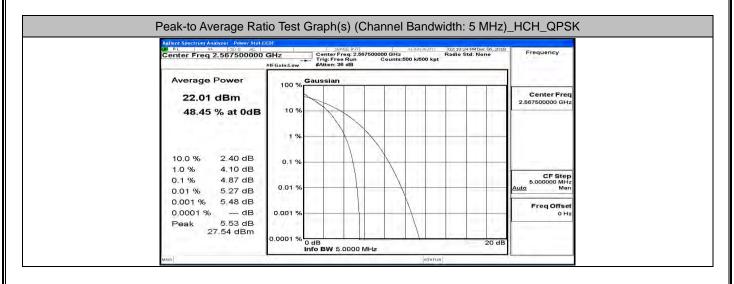
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	4.93	<13	PASS		
QPSK	MCH	5.34	<13	PASS		
	HCH	5.1	<13	PASS		
	LCH	5.72	<13	PASS		
16QAM	MCH	6.09	<13	PASS		
	HCH	5.89	<13	PASS		

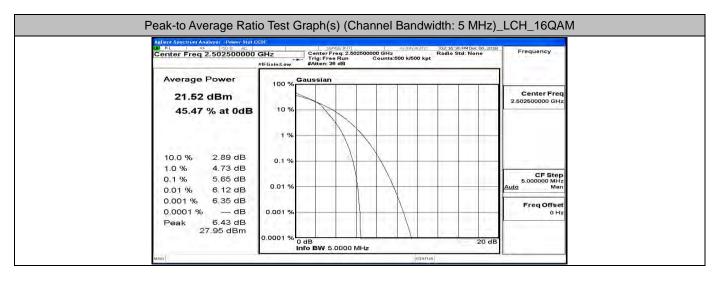
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Grianne	[dB]	[dB]	verdict		
	LCH	4.95	<13	PASS		
QPSK	MCH	5.02	<13	PASS		
	HCH	5.02	<13	PASS		
	LCH	6.07	<13	PASS		
16QAM	MCH	6.28	<13	PASS		
	HCH	6.19	<13	PASS		

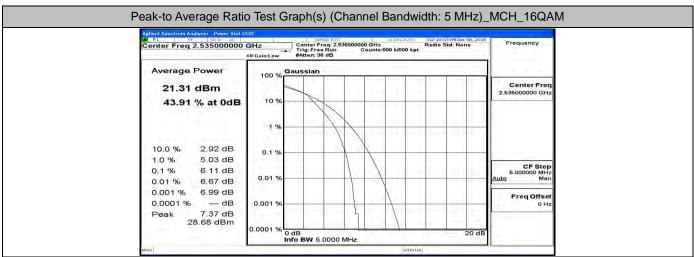
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
iviodulation	Channel	[dB]	[dB]	verdict		
	LCH	5.71	<13	PASS		
QPSK	MCH	5.74	<13	PASS		
	HCH	5.8	<13	PASS		
	LCH	6.66	<13	PASS		
16QAM	MCH	6.86	<13	PASS		
	HCH	6.72	<13	PASS		

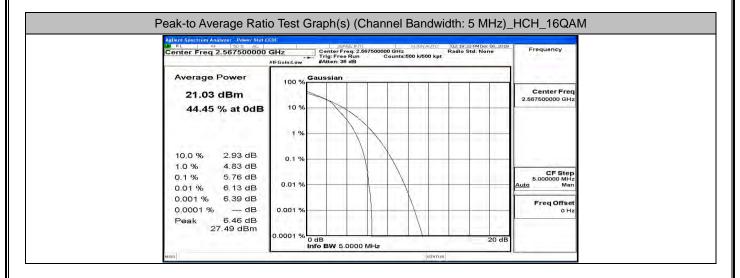


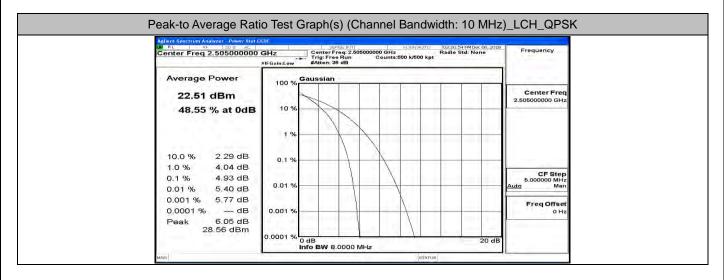


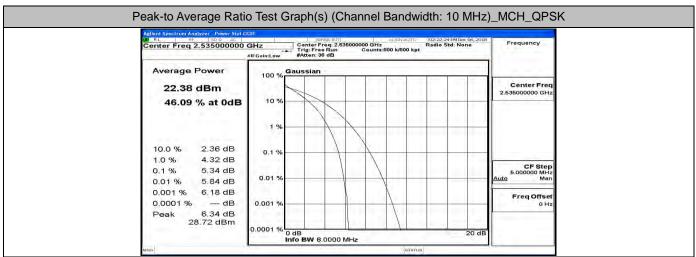


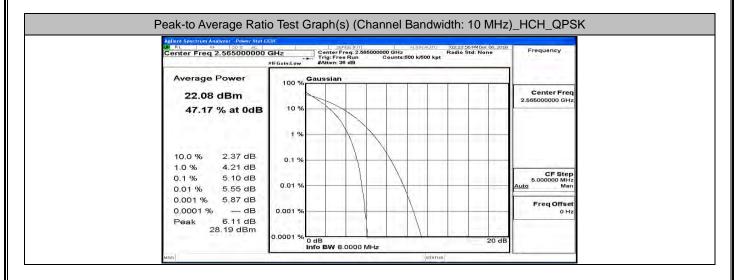


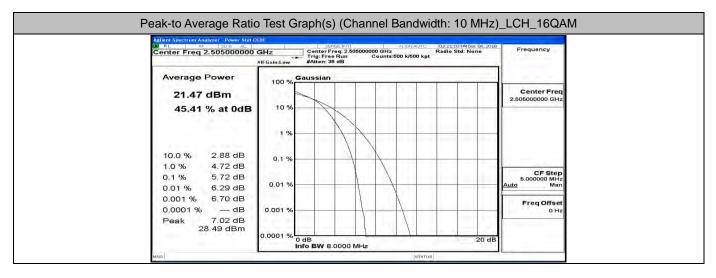


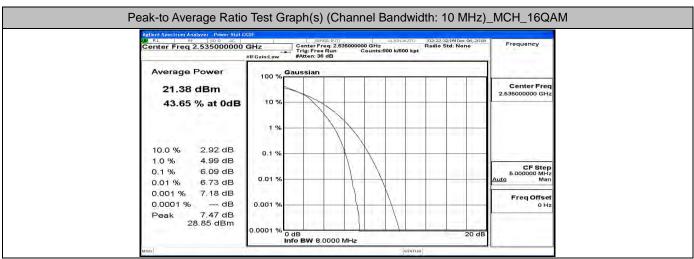


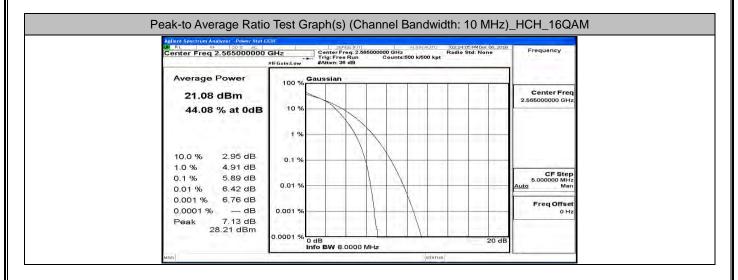


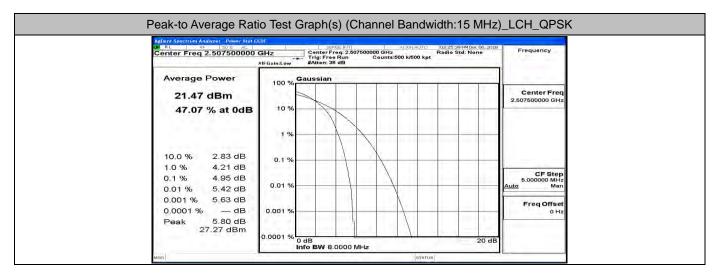


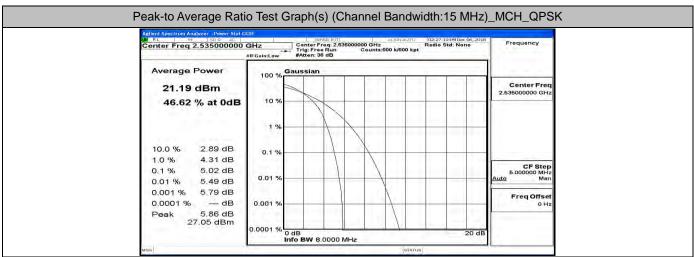


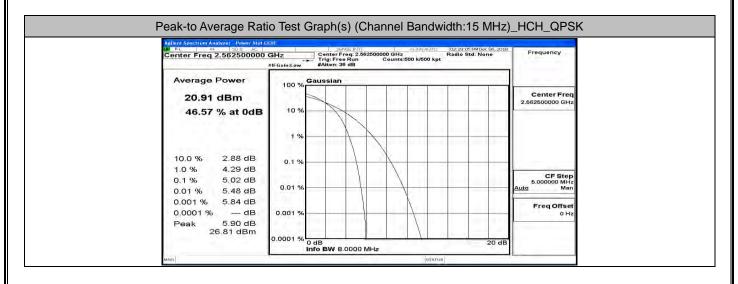


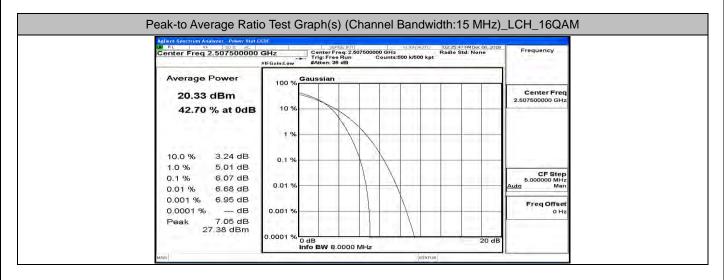


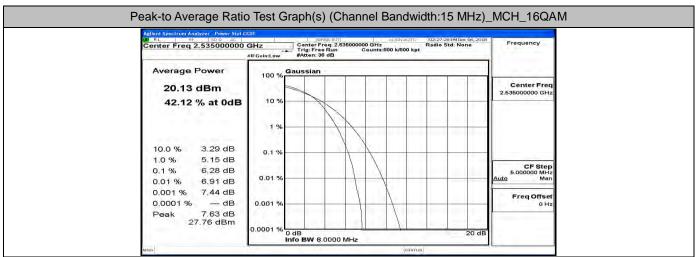


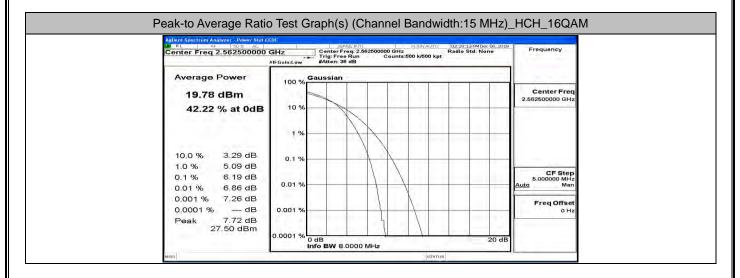


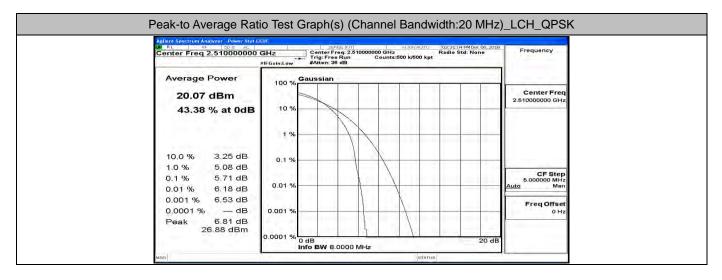


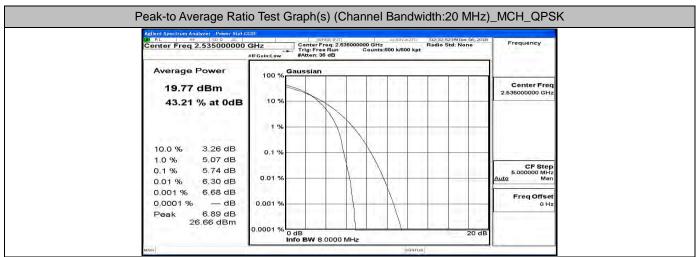


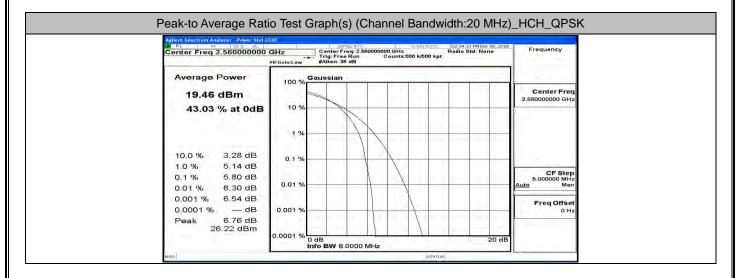


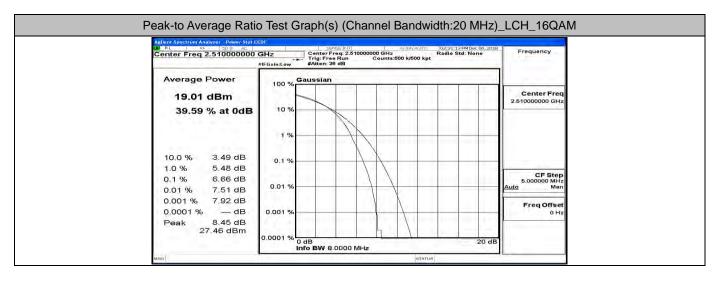


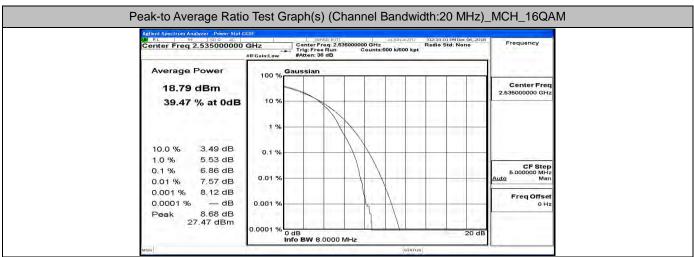


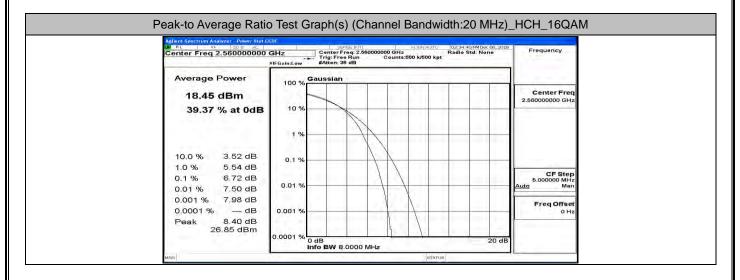












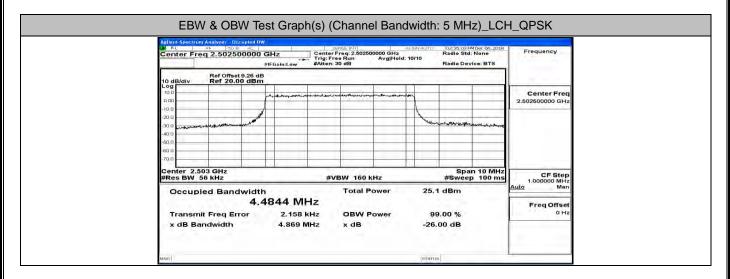
D.3 26dB Bandwidth and Occupied Bandwidth

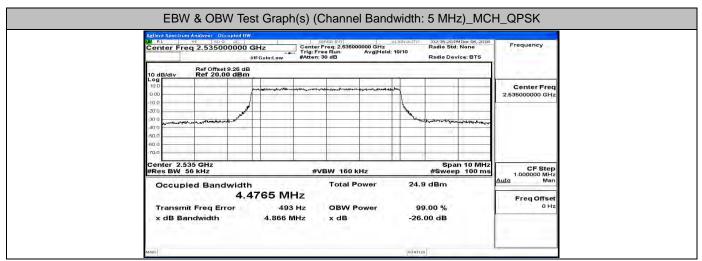
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
Woddiation	Charmer	(MHz)	(MHz)	verdict		
	LCH	4.4844	4.869	PASS		
QPSK	MCH	4.4765	4.866	PASS		
	HCH	4.4846	4.876	PASS		
	LCH	4.4788	4.836	PASS		
16QAM	MCH	4.4823	4.911	PASS		
	HCH	4.4804	4.841	PASS		

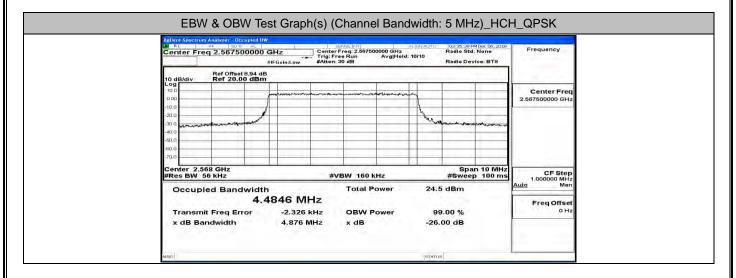
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict		
	LCH	8.9445	9.572	PASS		
QPSK	MCH	8.9523	9.565	PASS		
	HCH	8.9420	9.572	PASS		
16QAM	LCH	8.9336	9.465	PASS		
	MCH	8.9462	9.562	PASS		
	HCH	8.9463	9.462	PASS		

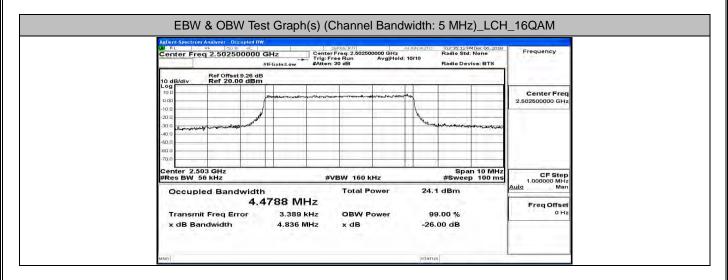
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict		
Modulation	Griannei	(MHz)	(MHz)	verdict		
	LCH	13.408	14.15	PASS		
QPSK	MCH	13.428	14.21	PASS		
	HCH	13.409	14.20	PASS		
16QAM	LCH	13.390	14.13	PASS		
	MCH	13.410	14.12	PASS		
	HCH	13.415	14.10	PASS		

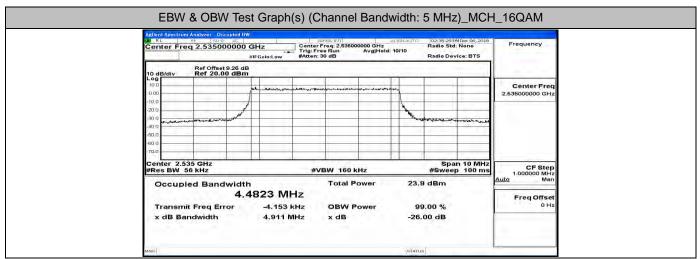
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	17.846	18.70	PASS
	MCH	17.873	18.75	PASS
	HCH	17.876	18.64	PASS
16QAM	LCH	17.845	18.62	PASS
	MCH	17.886	18.70	PASS
	HCH	17.857	18.75	PASS

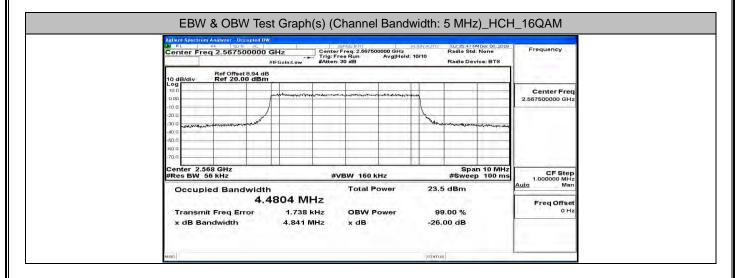


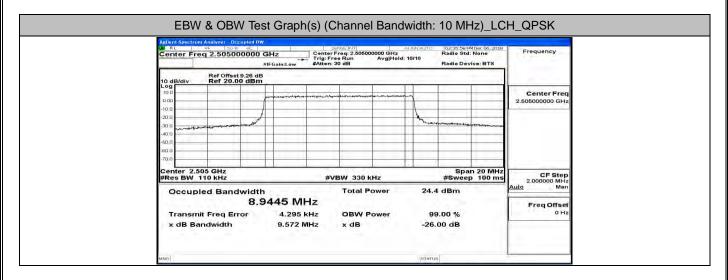


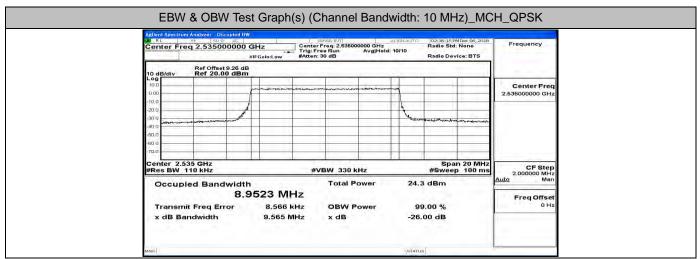


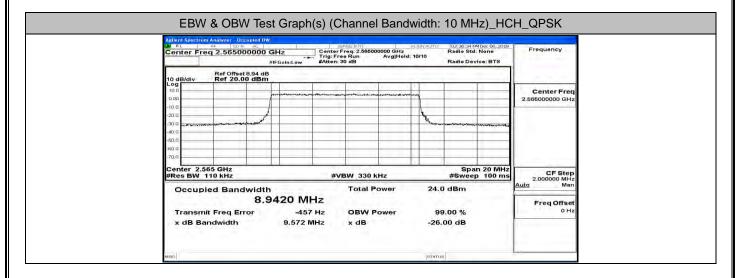


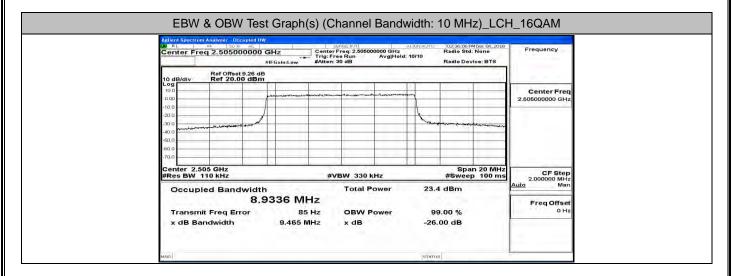


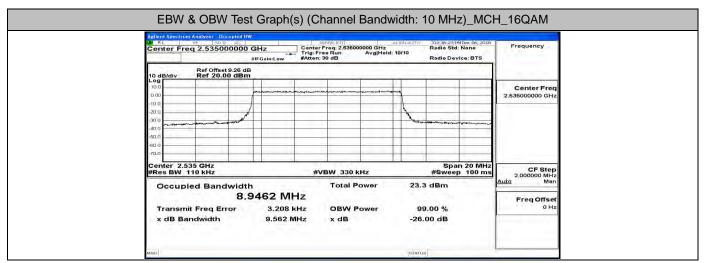


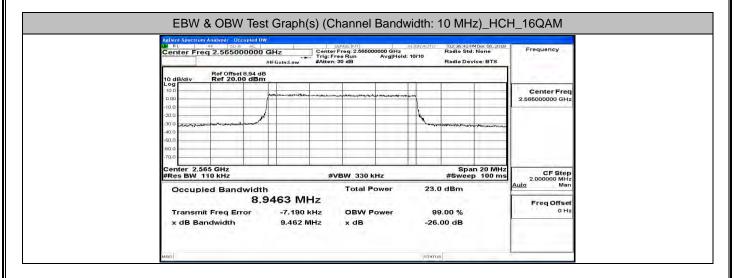


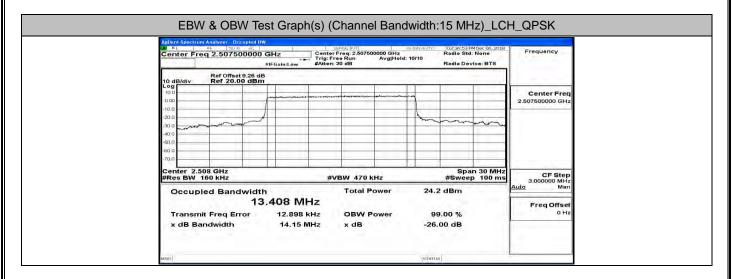


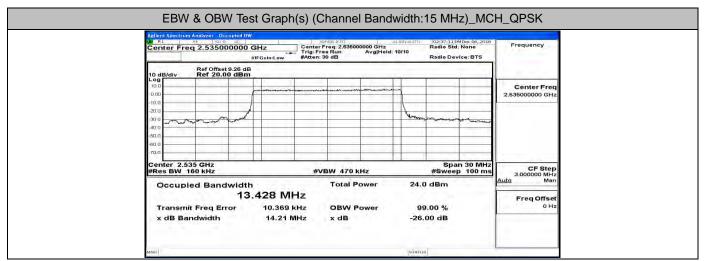


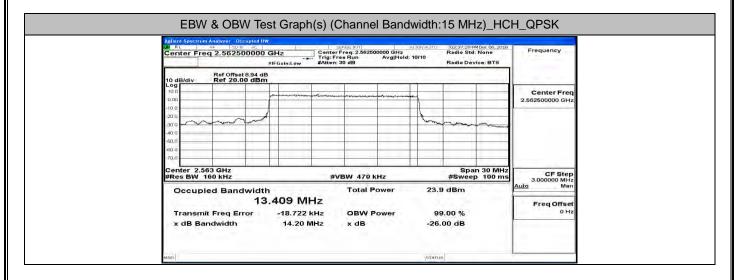


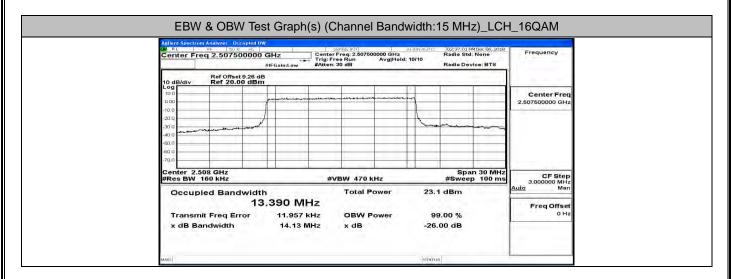


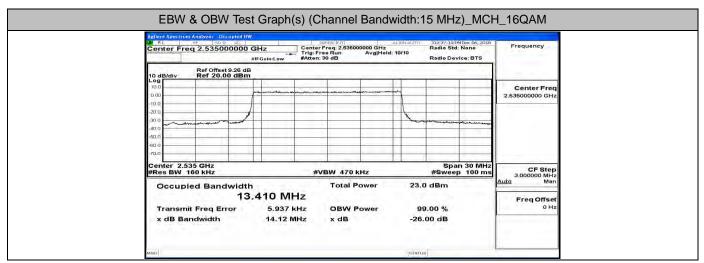


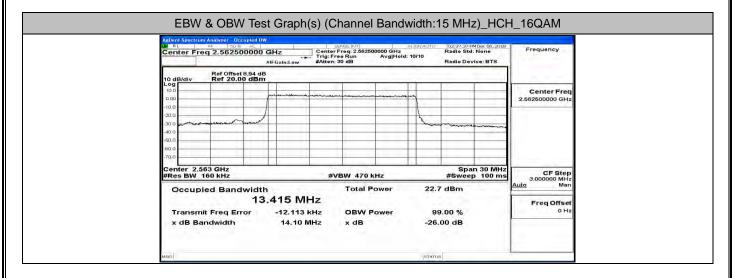


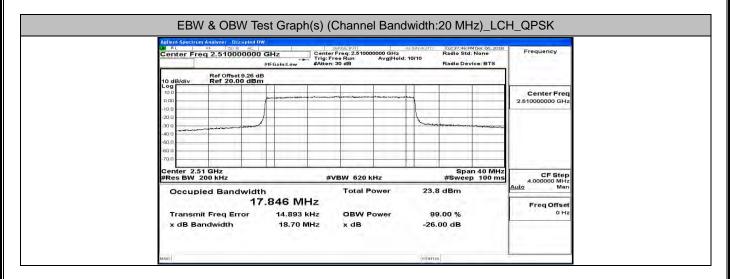


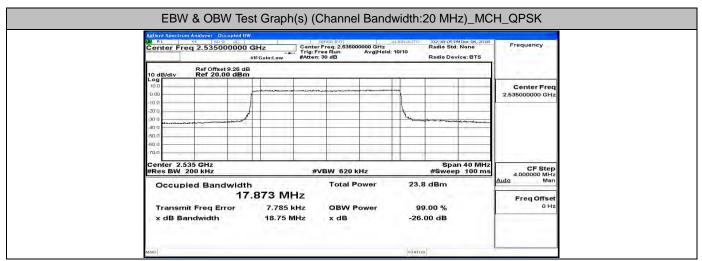


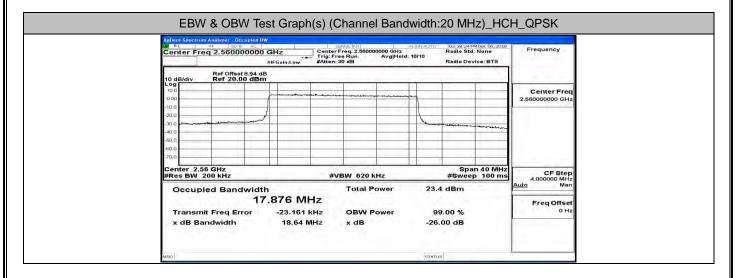


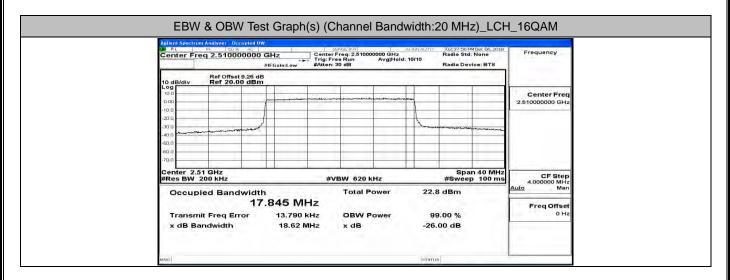


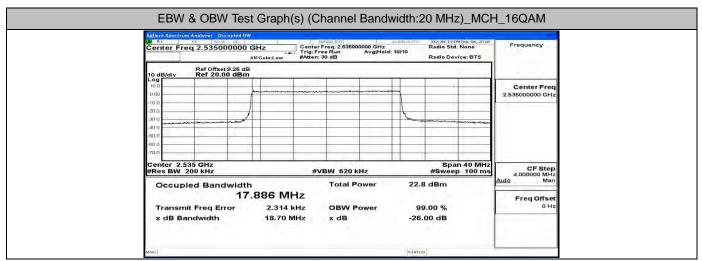


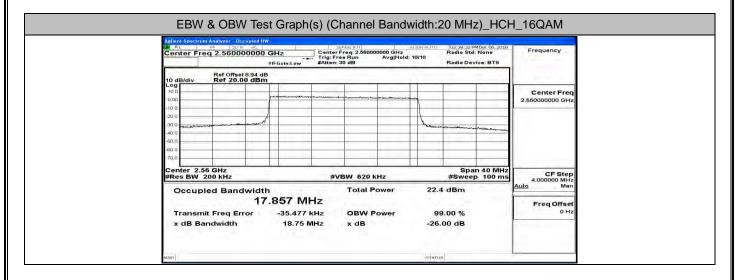




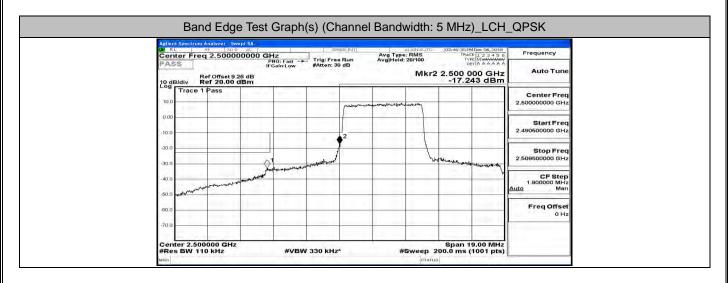


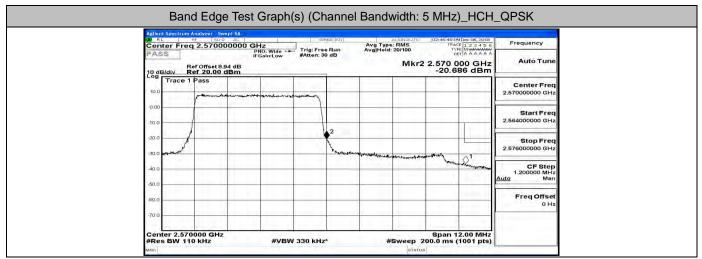


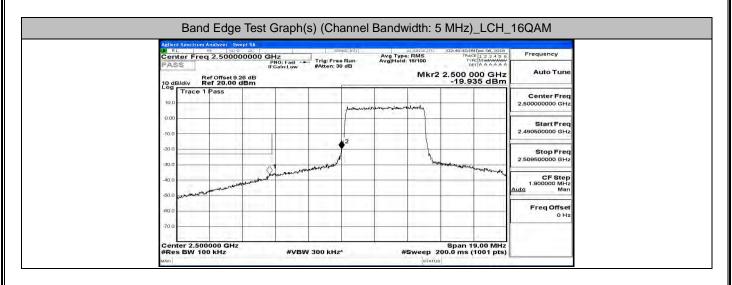


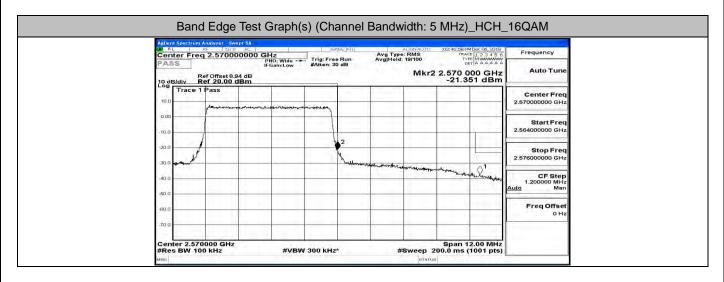


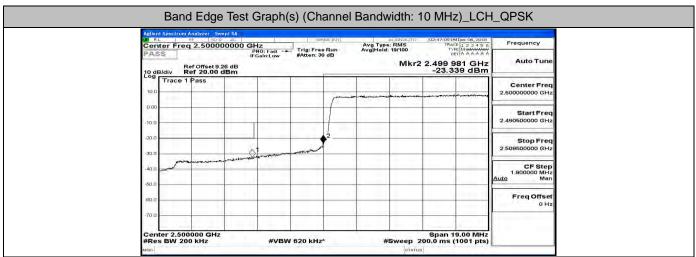
D.4 Band Edge

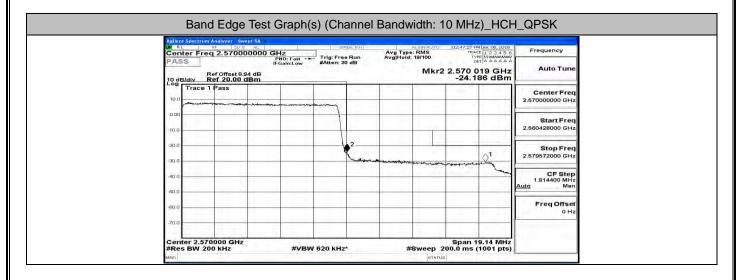


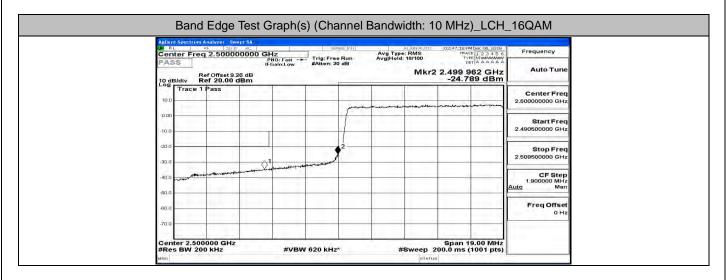


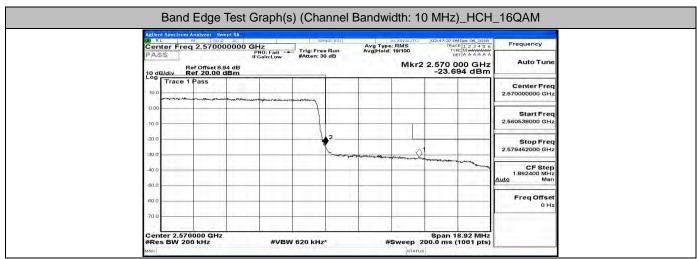


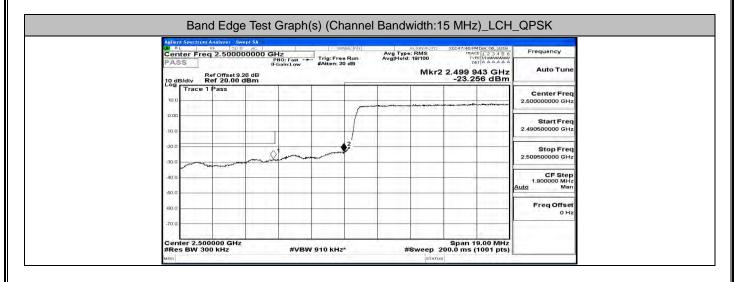


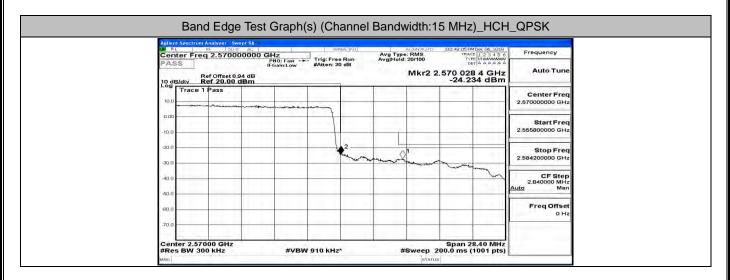


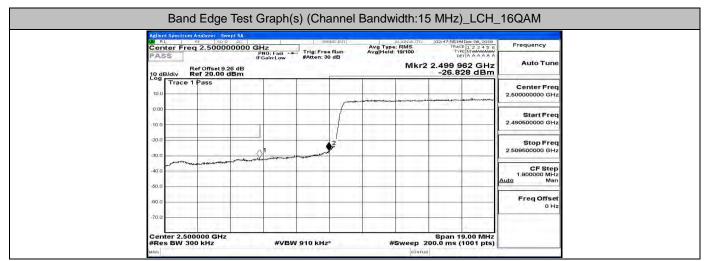


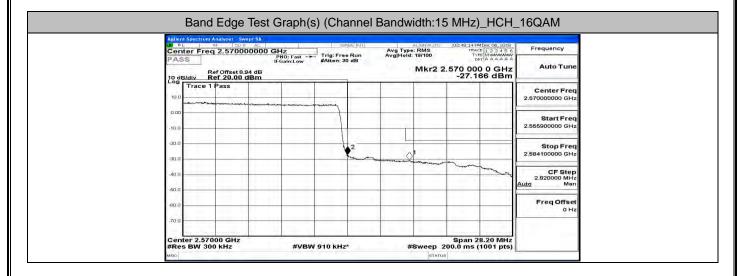


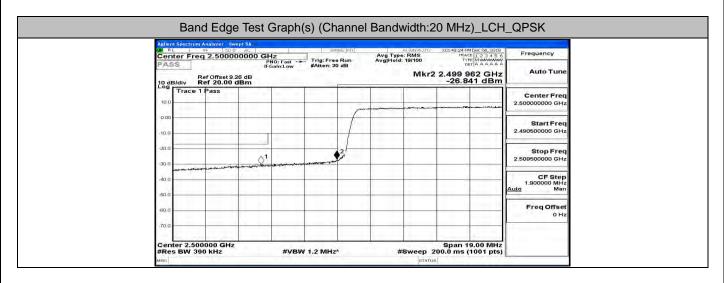


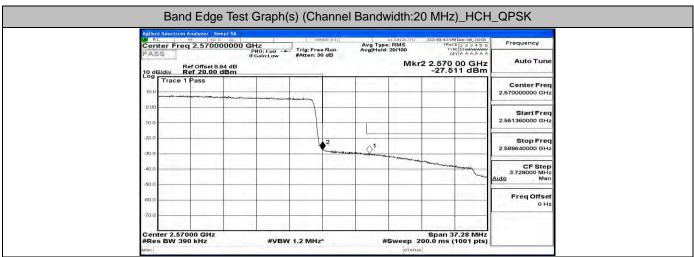


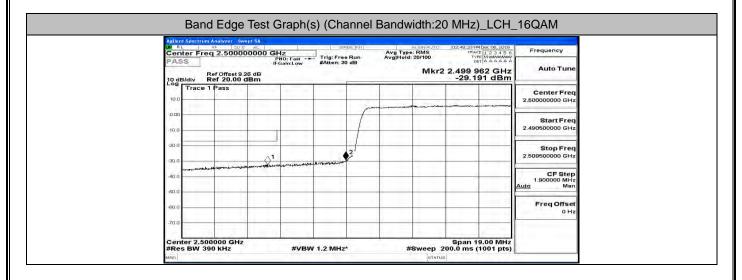


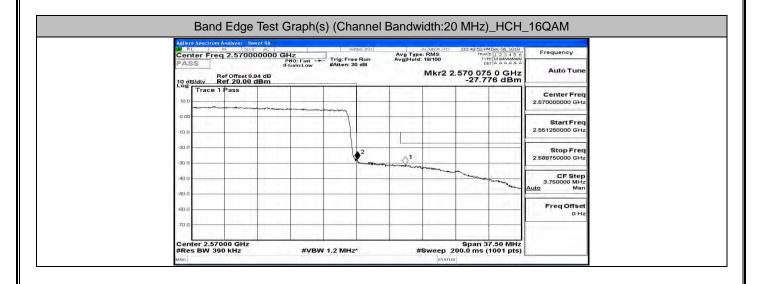












D.5 Conducted Spurious Emission

