Appendix E for LTE Band 4

Product Name: Tablet pc Trade Mark: N/A

Test Model: 7LB1

Environmental Conditions

Temperature:	23.2 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

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 nali a4	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	23.52	22.86	PASS	
		1	3	23.62	23.00	PASS	
		1	5	23.50	22.82	PASS	
	LCH	3	0	23.61	22.54	PASS	
		3	2	23.58	22.54	PASS	
		3	3	23.59	22.57	PASS	
		6	0	22.52	21.49	PASS	
		1	0	21.81	21.00	PASS	
	мсн	1	3	21.93	21.27	PASS	
QPSK /		1	5	21.88	21.12	PASS	
16QAM		3	0	21.87	20.90	PASS	
TOQAW		3	2	21.92	20.95	PASS	
		3	3	21.91	21.00	PASS	
		6	0	20.83	19.99	PASS	
		1	0	22.92	22.12	PASS	
		1	3	22.97	22.19	PASS	
		1	5	22.79	21.90	PASS	
	HCH	3	0	22.73	21.86	PASS	
		3	2	22.70	21.70	PASS	
		3	3	22.73	21.75	PASS	
		6	0	21.80	20.91	PASS	

Report No.: LCS200915126AEG SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AVTH-7LB1 Conducted Output Power Test Result (Channel Bandwidth: 3 MHz) Average Power [dBm] Average Power [dBm] **RB** Configuration Modulation Channel Verdict Size Offset **QPSK** 16QAM 1 0 23.24 22.40 **PASS** 1 7 22.48 **PASS** 23.21 1 14 22.91 22.27 **PASS** LCH 8 0 22.11 **PASS** 21.11 8 4 22.12 **PASS** 21.16 8 7 22.07 **PASS** 21.08 15 0 22.04 21.02 **PASS** 0 1 21.25 20.76 **PASS** 1 7 21.56 20.84 **PASS** 1 14 **PASS** 21.49 21.03 QPSK / MCH 8 0 20.35 19.34 **PASS** 16QAM **PASS** 8 20.49 4 19.43 8 7 20.48 **PASS** 19.45 15 0 20.40 19.41 **PASS** 1 0 22.70 22.05 **PASS** 7 1 22.82 22.06 **PASS**

22.36

21.69

21.63

21.56

21.60

21.65

20.60

20.56

20.47

20.54

PASS

PASS

PASS

PASS

PASS

1

8

8

8

15

HCH

14

0

4

7

0

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)							
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Mondiet	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	23.03	22.35	PASS	
		1	12	23.27	22.52	PASS	
		1	24	22.69	22.00	PASS	
	LCH	12	0	22.08	21.15	PASS	
		12	6	22.07	21.13	PASS	
		12	13	21.93	20.99	PASS	
		25	0	22.05	21.03	PASS	
	мсн	1	0	21.15	20.51	PASS	
		1	12	21.60	20.99	PASS	
QPSK /		1	24	21.52	20.92	PASS	
16QAM		12	0	20.38	19.42	PASS	
TOQAM		12	6	20.47	19.59	PASS	
		12	13	20.59	19.67	PASS	
		25	0	20.54	19.46	PASS	
		1	0	22.89	22.08	PASS	
		1	12	22.95	22.21	PASS	
		1	24	22.36	21.55	PASS	
	HCH	12	0	21.79	20.76	PASS	
		12	6	21.76	20.78	PASS	
		12	13	21.65	20.68	PASS	
		25	0	21.77	20.76	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiet	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	23.04	22.40	PASS	
		1	24	22.87	22.21	PASS	
		1	49	21.98	21.24	PASS	
	LCH	25	0	22.05	21.03	PASS	
		25	12	21.80	20.81	PASS	
		25	25	21.49	20.53	PASS	
		50	0	21.79	20.77	PASS	
	MCH	1	0	21.17	20.67	PASS	
		1	24	21.56	21.06	PASS	
QPSK /		1	49	21.88	21.43	PASS	
16QAM		25	0	20.40	19.39	PASS	
IOQAW		25	12	20.51	19.50	PASS	
		25	25	20.83	19.80	PASS	
		50	0	20.54	19.67	PASS	
		1	0	23.02	22.40	PASS	
		1	24	23.10	22.47	PASS	
		1	49	22.39	21.75	PASS	
	HCH	25	0	22.20	21.17	PASS	
		25	12	22.02	21.02	PASS	
		25	25	21.95	20.95	PASS	
		50	0	22.05	21.05	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)							
Manalaula tiana	01	RB Conf	figuration	Average Power [dBm]	Average Power [dBm]	Manaliat	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	22.93	22.28	PASS	
		1	37	22.53	21.76	PASS	
		1	74	21.21	20.55	PASS	
	LCH	37	0	21.89	20.83	PASS	
		37	18	21.55	20.46	PASS	
		37	38	20.99	19.92	PASS	
		75	0	21.45	20.39	PASS	
	MCH	1	0	21.18	20.55	PASS	
		1	37	21.59	20.98	PASS	
QPSK /		1	74	22.20	21.57	PASS	
16QAM		37	0	20.40	19.35	PASS	
TOQAM		37	18	20.53	19.52	PASS	
		37	38	20.94	19.96	PASS	
		75	0	20.76	19.70	PASS	
		1	0	22.48	21.84	PASS	
		1	37	23.30	22.59	PASS	
		1	74	22.36	21.71	PASS	
	HCH	37	0	22.13	21.04	PASS	
		37	18	22.18	21.13	PASS	
		37	38	22.01	20.91	PASS	
		75	0	22.12	21.07	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)							
Mandadatian	01	RB Conf	figuration	Average Power [dBm]	Average Power [dBm]	Manaliat	
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict	
		1	0	22.88	22.13	PASS	
		1	49	22.19	21.35	PASS	
		1	99	21.00	20.24	PASS	
	LCH	50	0	21.53	20.48	PASS	
		50	25	21.06	20.00	PASS	
		50	50	20.44	19.35	PASS	
		100	0	21.02	20.01	PASS	
	мсн	1	0	21.20	20.61	PASS	
		1	49	21.60	21.04	PASS	
QPSK /		1	99	22.40	21.85	PASS	
16QAM		50	0	20.43	19.46	PASS	
TOQAM		50	25	20.56	19.64	PASS	
		50	50	21.11	20.12	PASS	
		100	0	20.80	19.77	PASS	
		1	0	21.43	20.87	PASS	
		1	49	23.10	22.46	PASS	
		1	99	22.09	21.50	PASS	
	HCH	50	0	21.68	20.73	PASS	
		50	25	22.03	21.11	PASS	
		50	50	22.07	21.10	PASS	
		100	0	21.91	20.88	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		
Modulation	Glaillei	[dB]	[dB]	verdict		
	LCH	5.11	<13	PASS		
QPSK	MCH	5.64	<13	PASS		
	HCH	5.23	<13	PASS		
	LCH	6.07	<13	PASS		
16QAM	MCH	6.59	<13	PASS		
	HCH	6.18	<13	PASS		

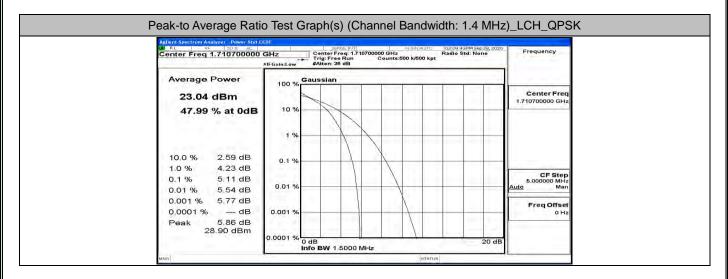
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Channel	[dB]	[dB]	verdict		
	LCH	5.17	<13	PASS		
QPSK	MCH	5.68	<13	PASS		
	HCH	5.34	<13	PASS		
	LCH	6.3	<13	PASS		
16QAM	MCH	6.49	<13	PASS		
	HCH	6.17	<13	PASS		

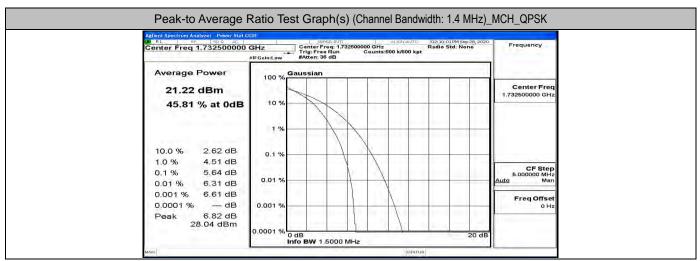
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict		
Modulation	Griannei	[dB]	[dB]	Verdict		
	LCH	5.33	<13	PASS		
QPSK	MCH	5.66	<13	PASS		
	HCH	5.58	<13	PASS		
16QAM	LCH	6.03	<13	PASS		
	MCH	6.57	<13	PASS		
	HCH	6.25	<13	PASS		

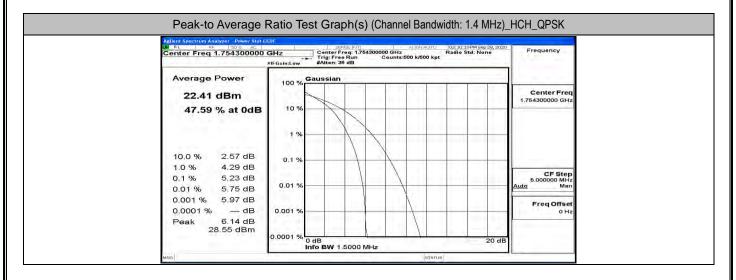
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Chamilei	[dB]	[dB]	verdict		
	LCH	5.28	<13	PASS		
QPSK	MCH	5.67	<13	PASS		
	HCH	5.52	<13	PASS		
16QAM	LCH	5.98	<13	PASS		
	MCH	6.48	<13	PASS		
	HCH	6.34	<13	PASS		

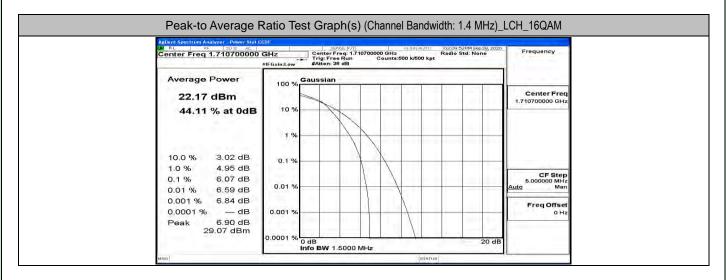
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Chame	[dB]	[dB]	verdict		
	LCH	4.96	<13	PASS		
QPSK	MCH	5.1	<13	PASS		
	HCH	5.09	<13	PASS		
	LCH	6.15	<13	PASS		
16QAM	MCH	6.35	<13	PASS		
	HCH	6.29	<13	PASS		

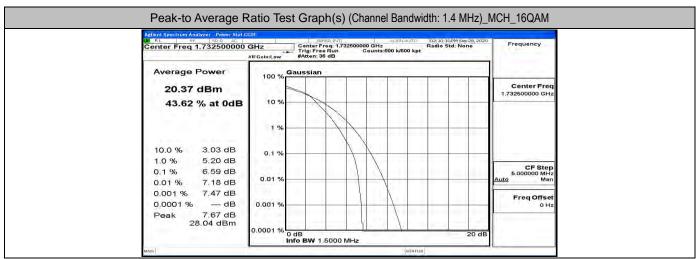
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordiat		
Modulation	Channel	[dB]	[dB]	Verdict		
	LCH	5.72	<13	PASS		
QPSK	MCH	5.83	<13	PASS		
	HCH	5.78	<13	PASS		
16QAM	LCH	6.7	<13	PASS		
	MCH	6.81	<13	PASS		
	HCH	6.78	<13	PASS		

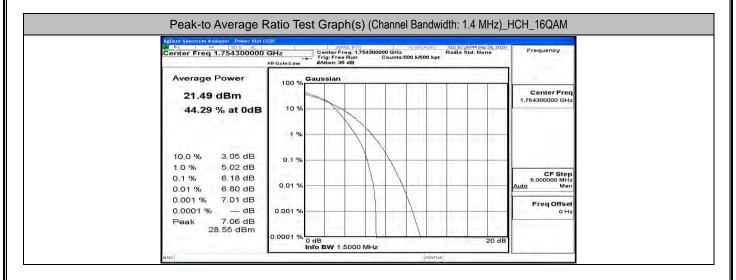


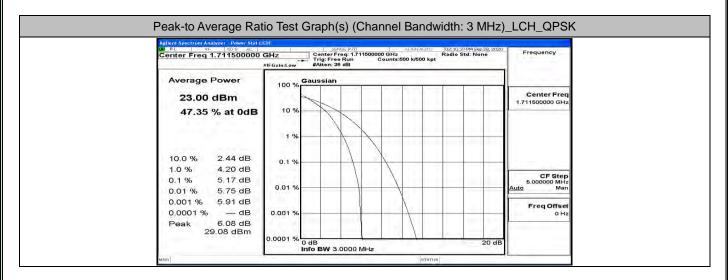


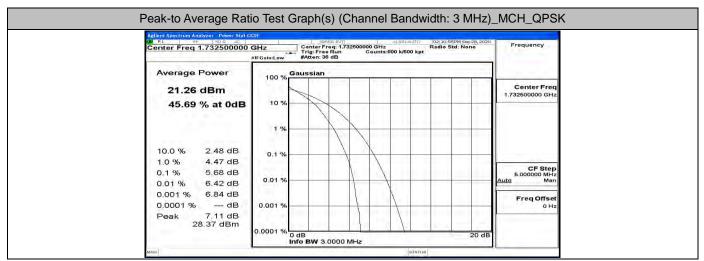


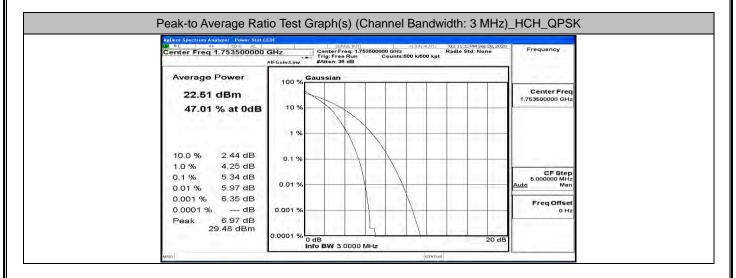


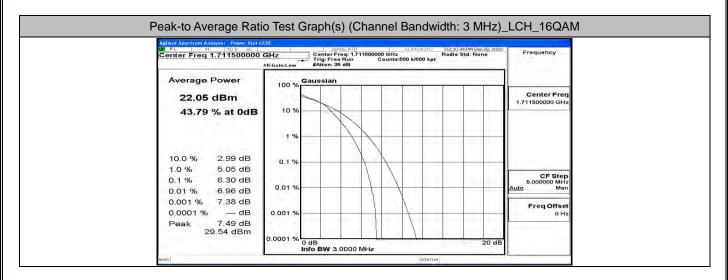


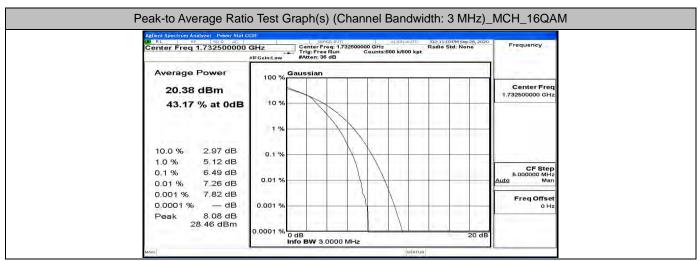


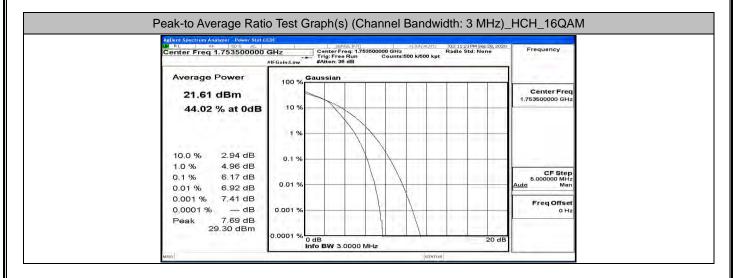


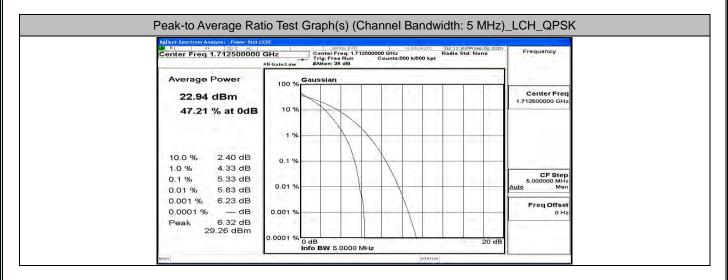


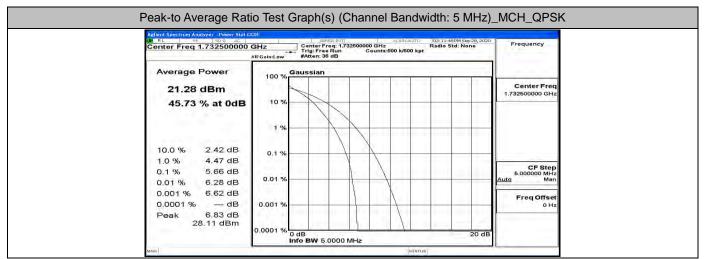


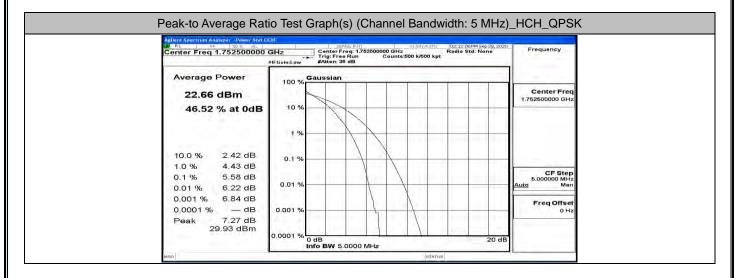


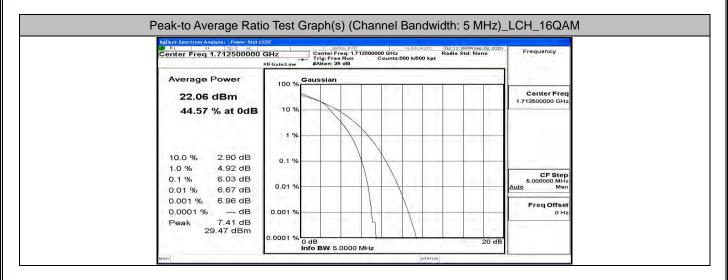


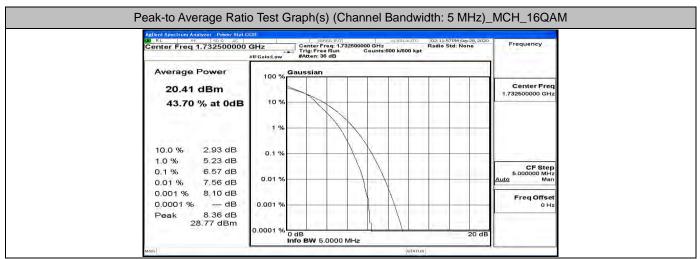


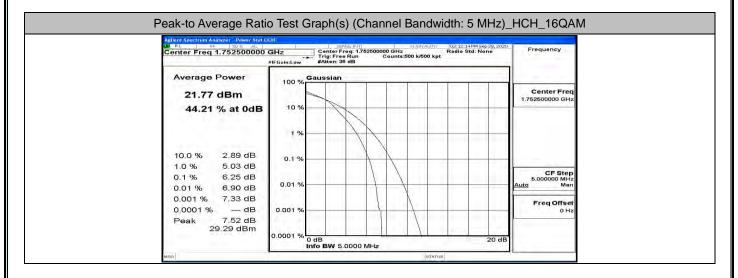




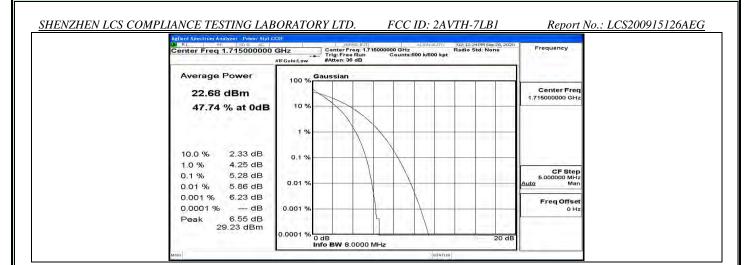


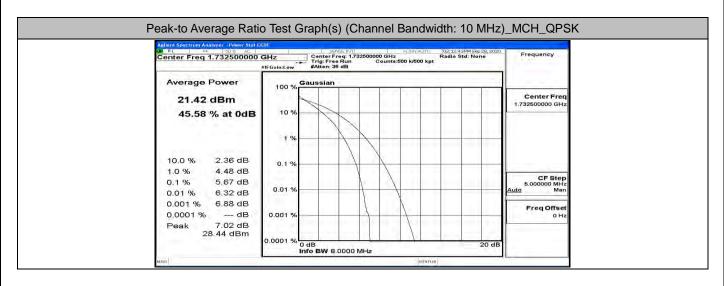


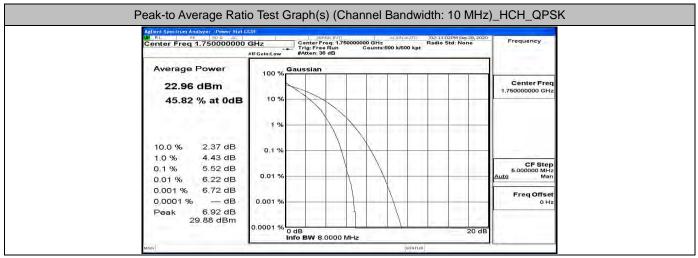




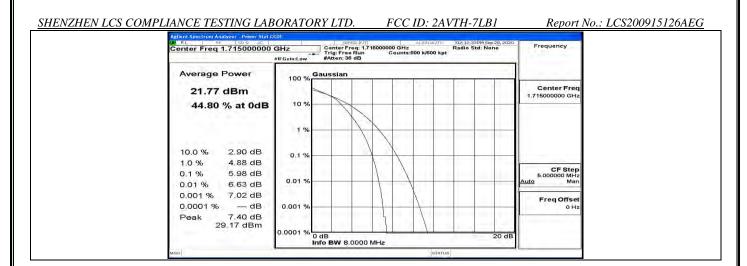
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

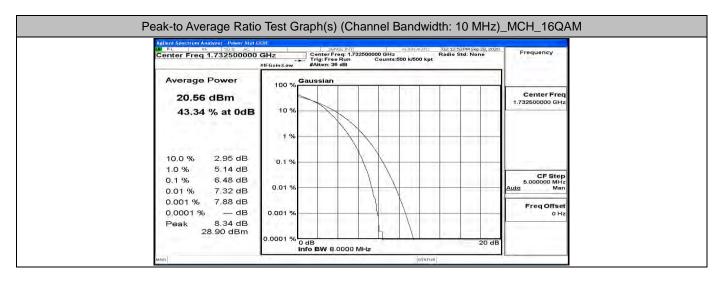


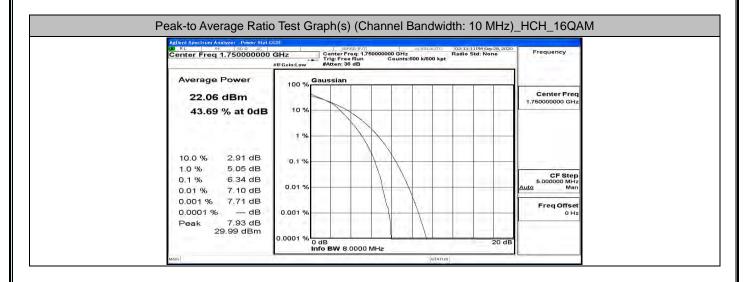




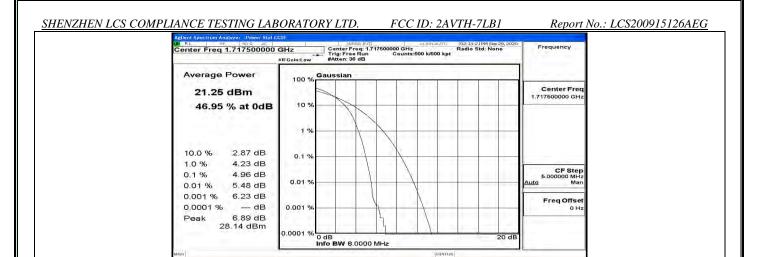
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM

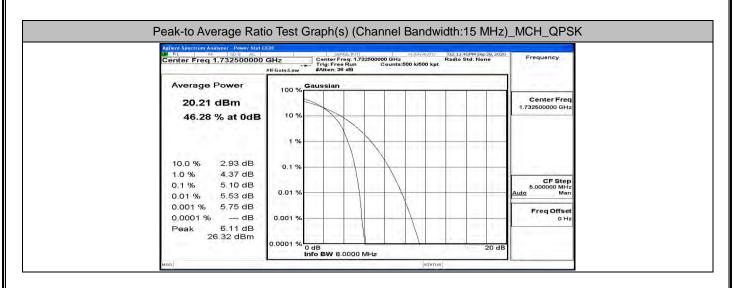


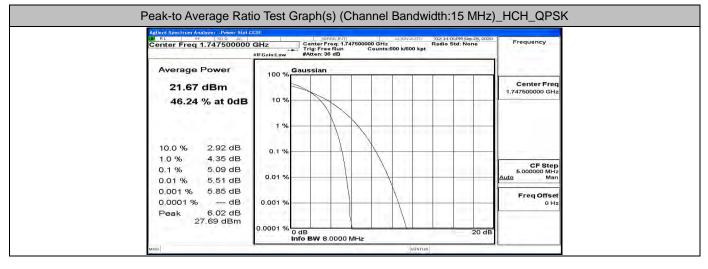


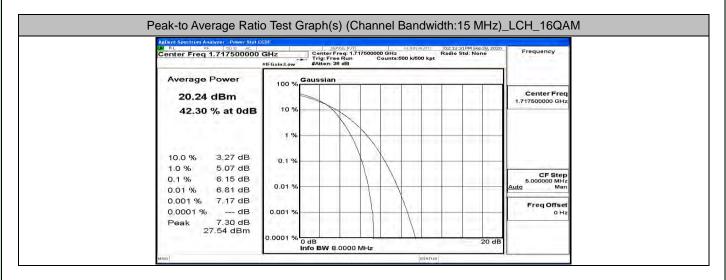


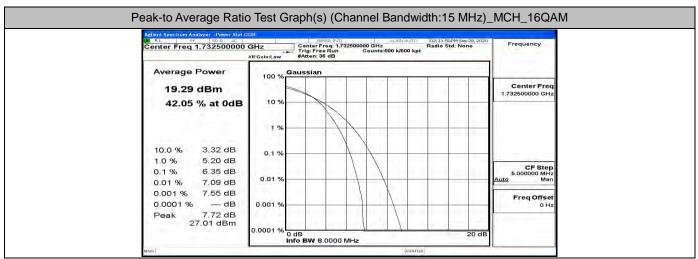
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK

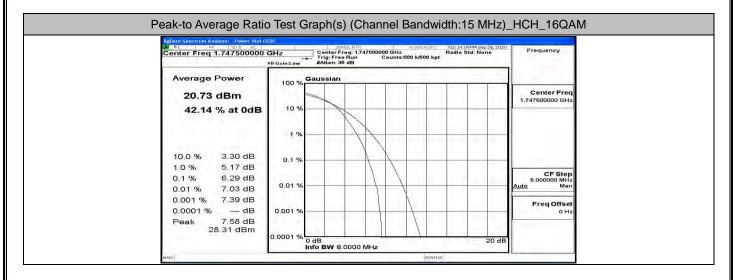


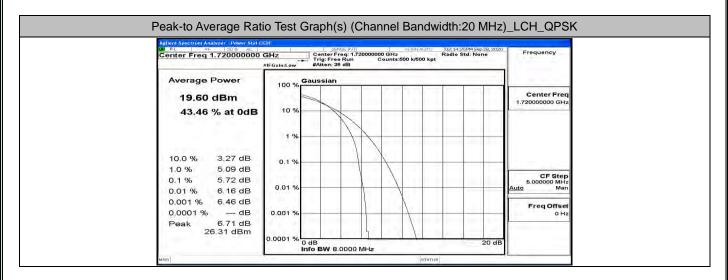


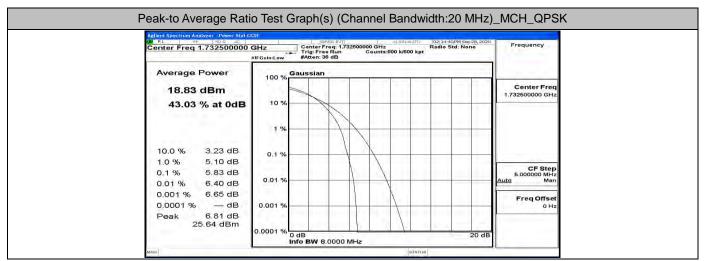


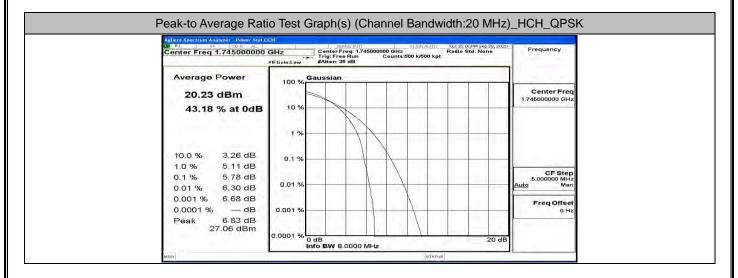


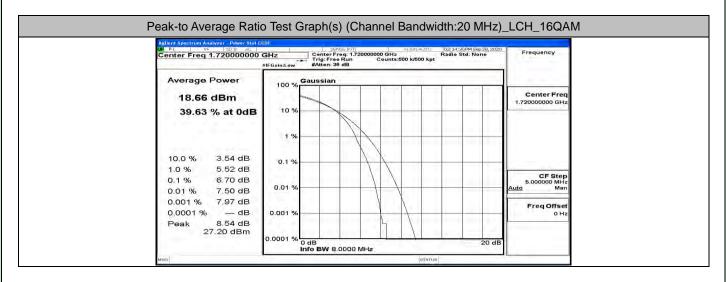


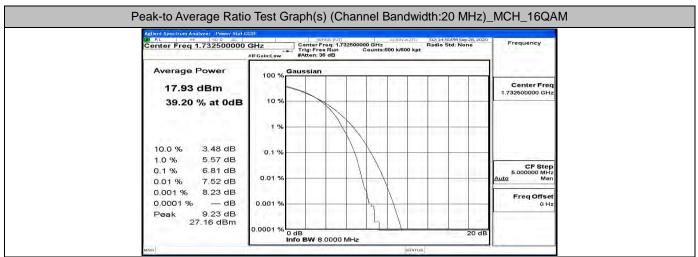


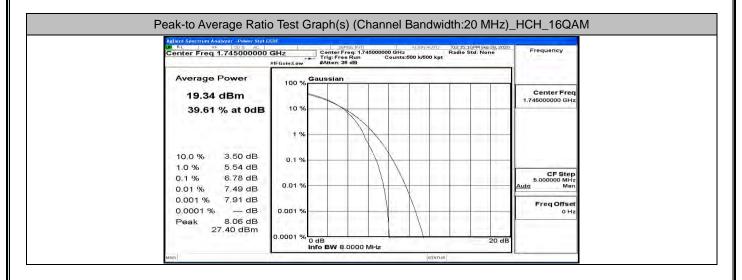












E.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	1.0750	1.214	PASS	
	MCH	1.0782	1.217	PASS	
	HCH	1.0765	1.220	PASS	
16QAM	LCH	1.0777	1.238	PASS	
	MCH	1.0768	1.231	PASS	
	HCH	1.0777	1.254	PASS	

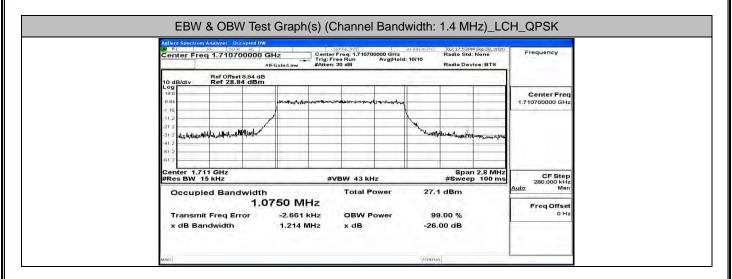
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	2.6825	2.834	PASS
	MCH	2.6777	2.834	PASS
	HCH	2.6792	2.808	PASS
16QAM	LCH	2.6809	2.845	PASS
	MCH	2.6825	2.836	PASS
	HCH	2.6760	2.827	PASS

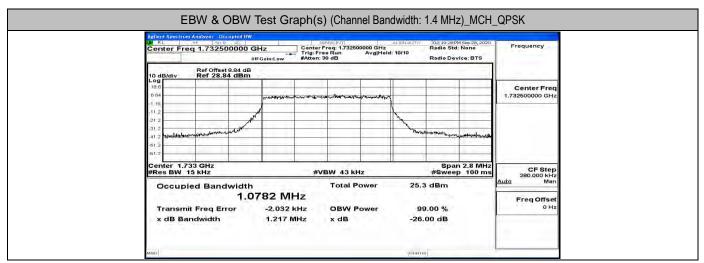
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	4.4792	4.887	PASS
	MCH	4.4715	4.857	PASS
	HCH	4.4822	4.827	PASS
16QAM	LCH	4.4774	4.853	PASS
	MCH	4.4826	4.795	PASS
	HCH	4.4662	4.890	PASS

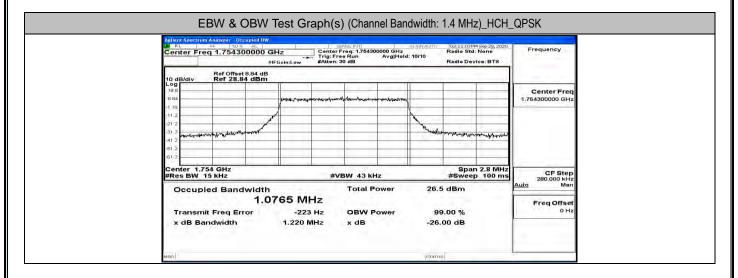
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	8.9414	9.468	PASS
	MCH	8.9337	9.457	PASS
	HCH	8.9574	9.588	PASS
16QAM	LCH	8.9418	9.555	PASS
	MCH	8.9491	9.457	PASS
	HCH	8.9354	9.464	PASS

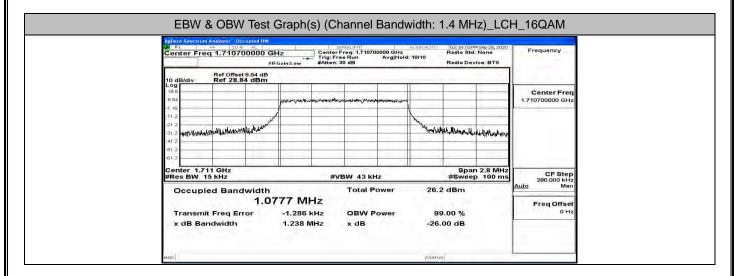
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	13.404	14.22	PASS
	MCH	13.415	14.12	PASS
	HCH	13.419	14.08	PASS
16QAM	LCH	13.406	14.12	PASS
	MCH	13.420	14.17	PASS
	HCH	13.438	14.15	PASS

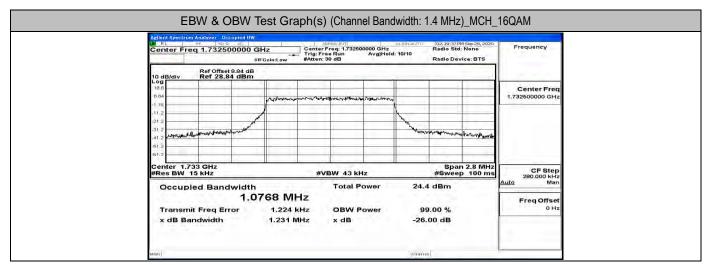
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	17.832	18.62	PASS
	MCH	17.894	18.70	PASS
	HCH	17.880	18.65	PASS
16QAM	LCH	17.849	18.61	PASS
	MCH	17.881	18.65	PASS
	HCH	17.874	18.69	PASS

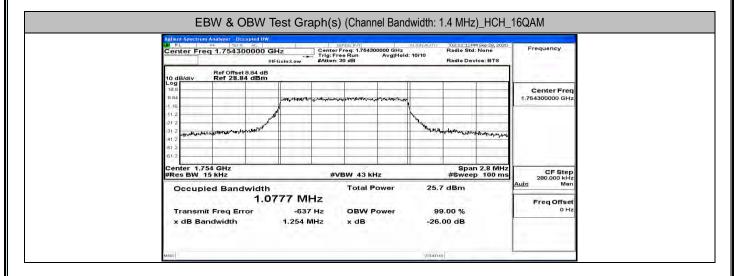


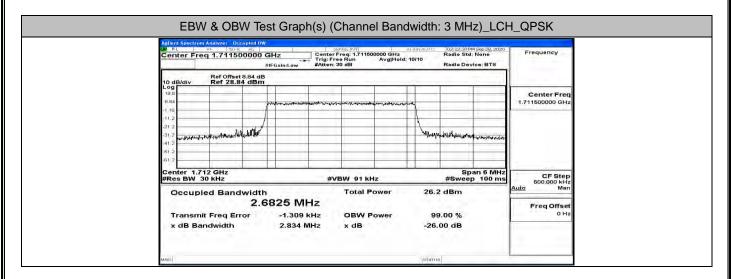


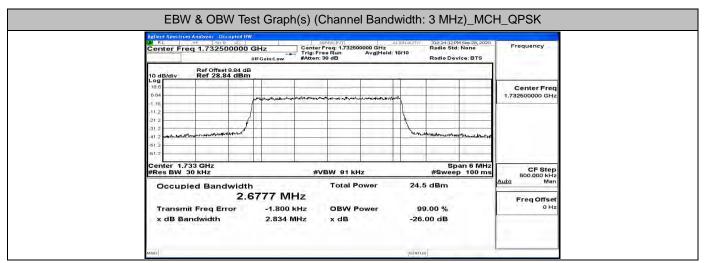


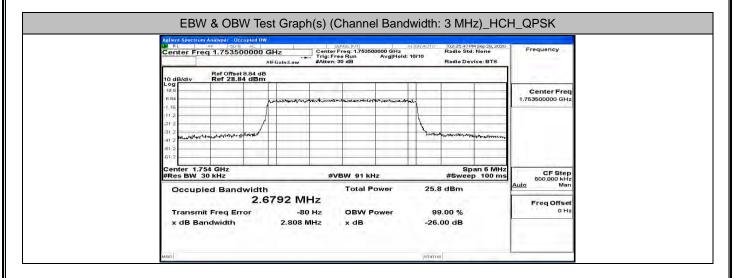


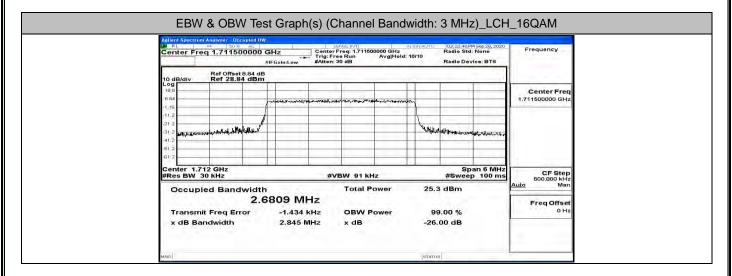


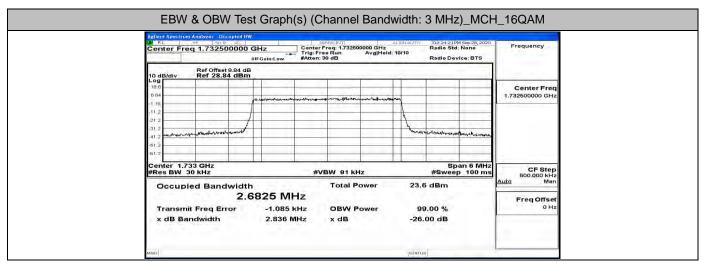


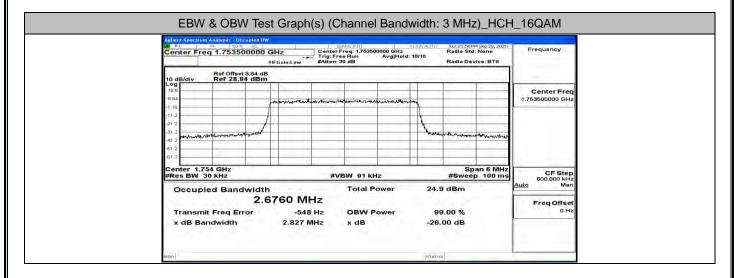


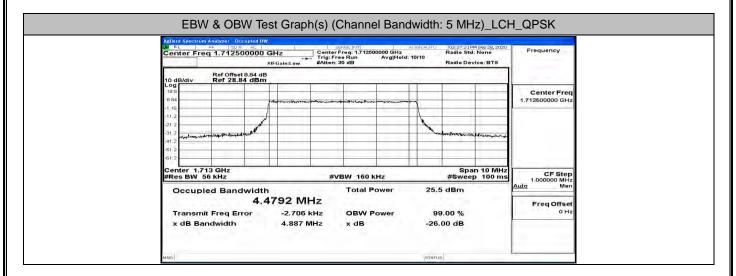


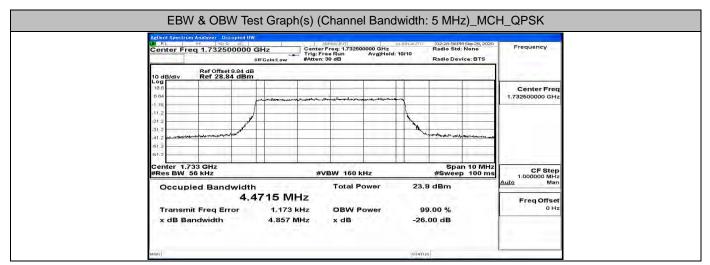


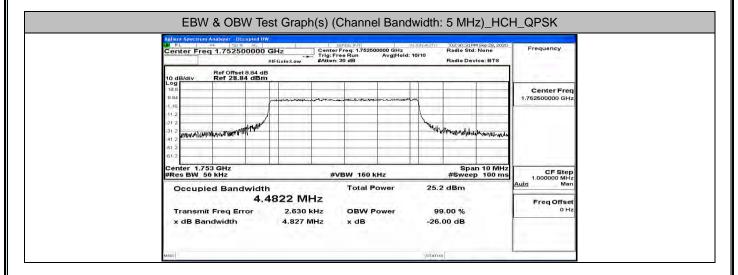


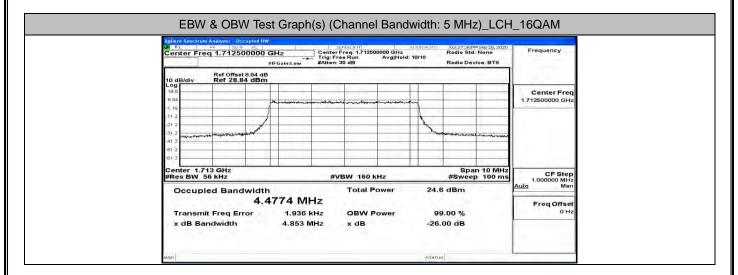


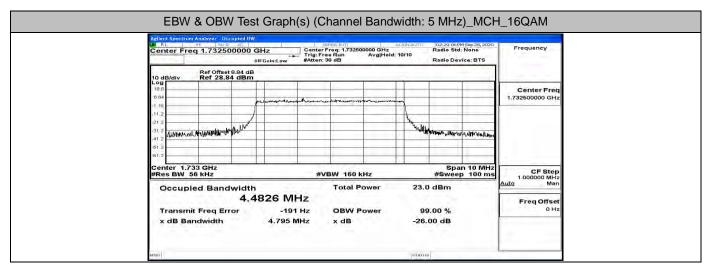


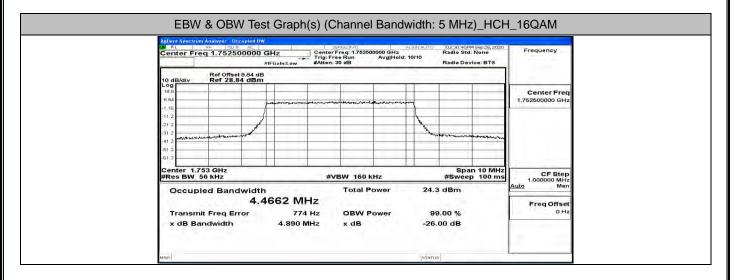


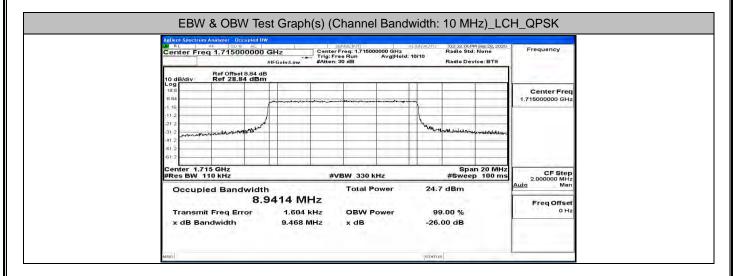


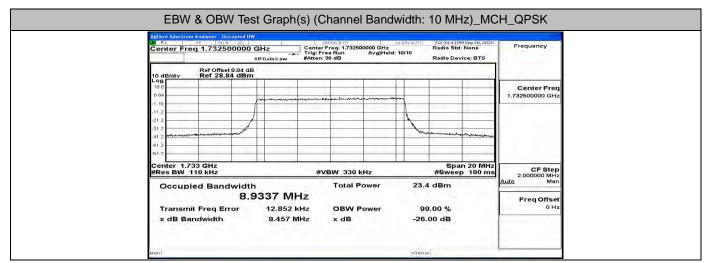


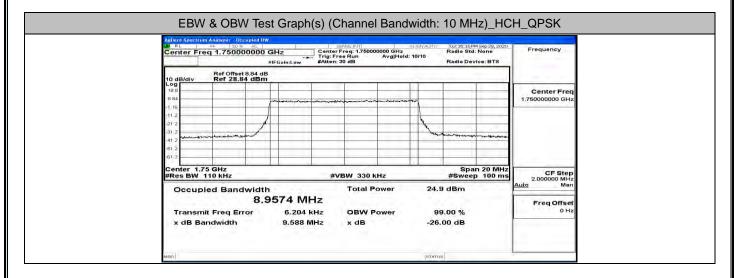


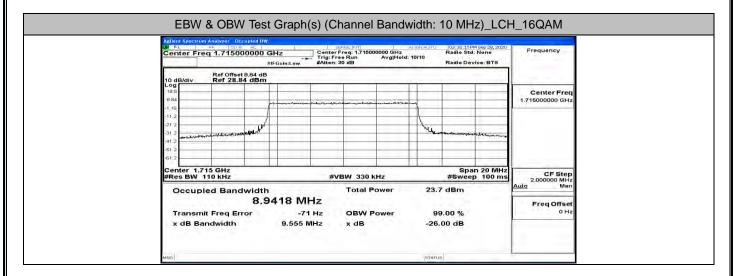


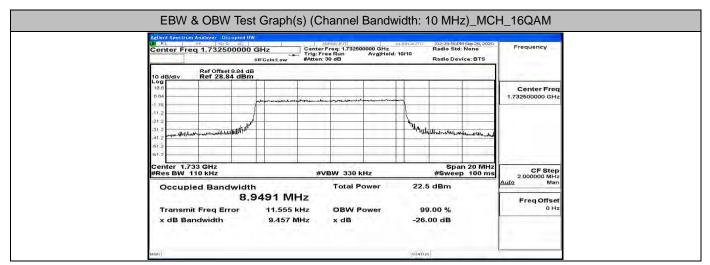


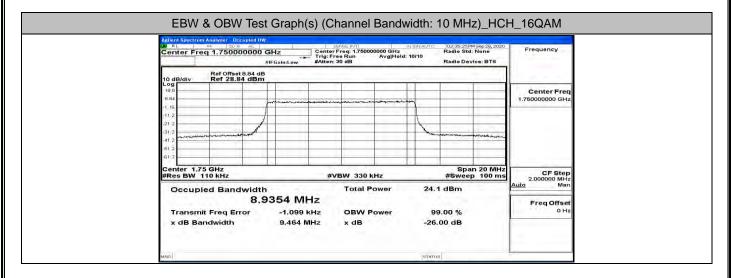


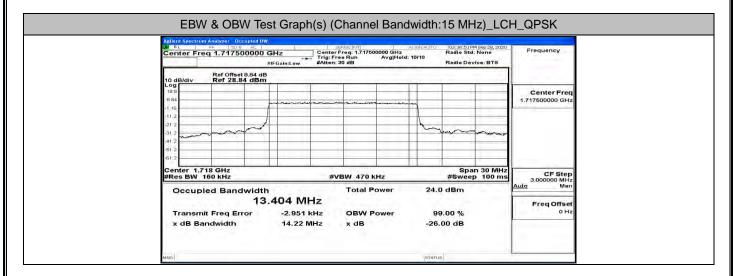


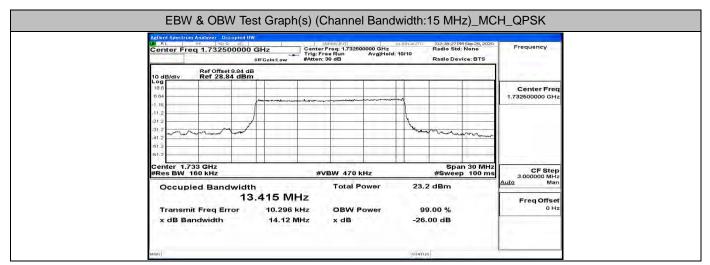


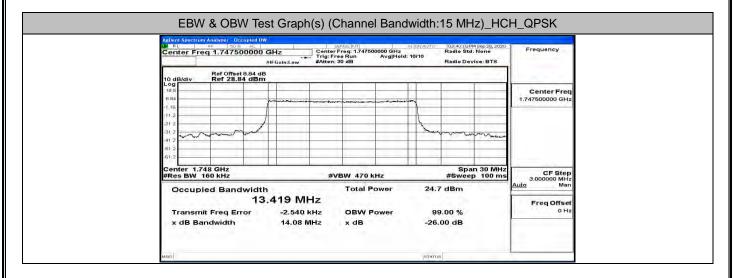


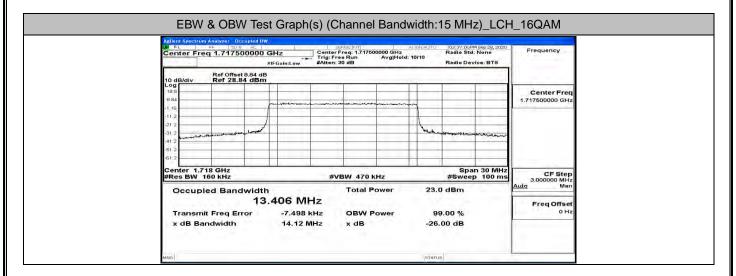


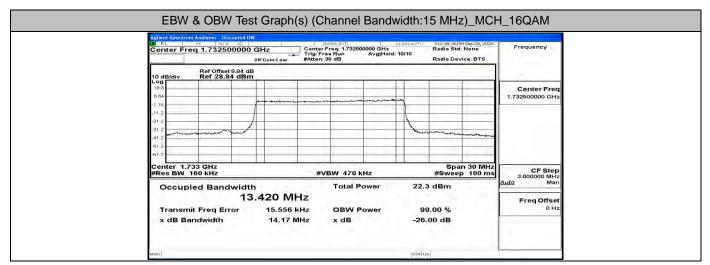


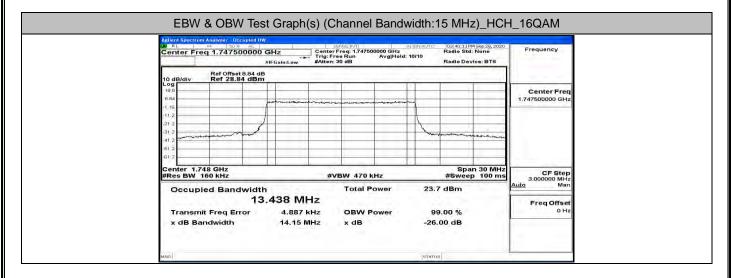


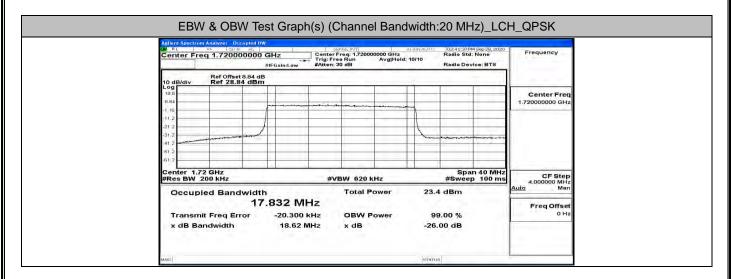


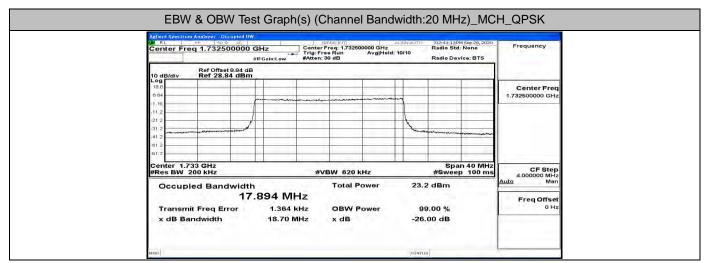


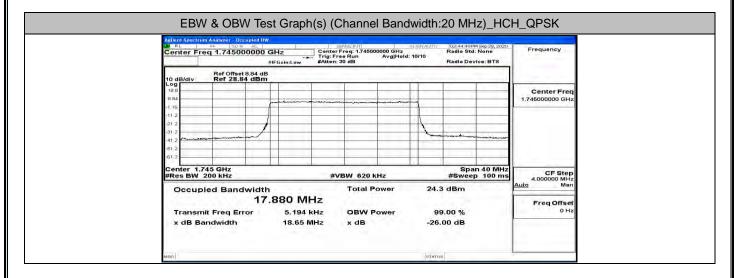


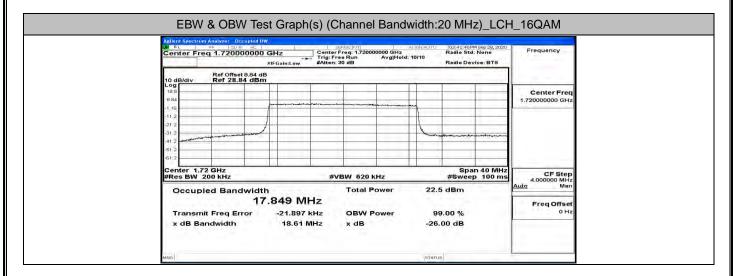


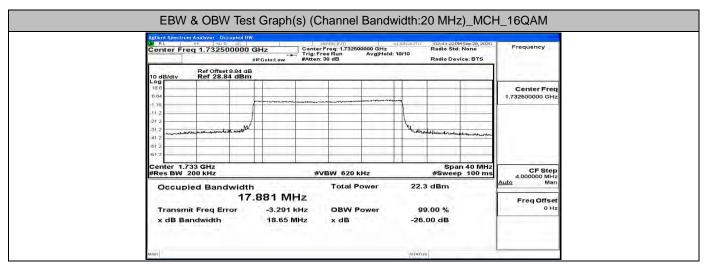


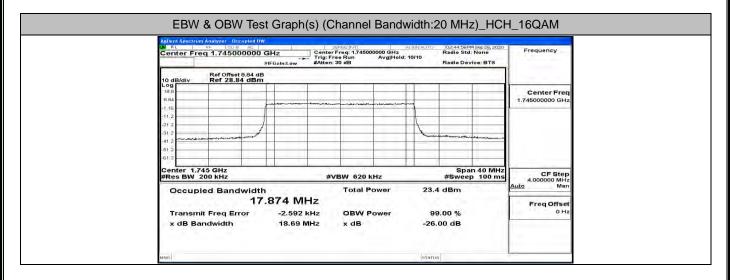




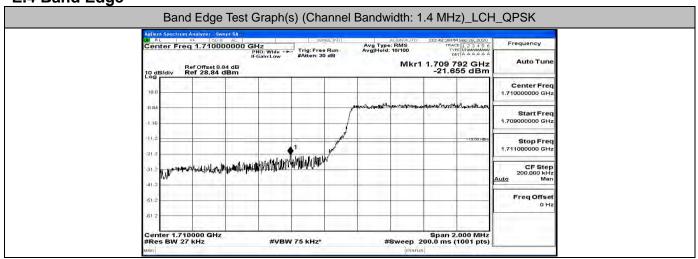


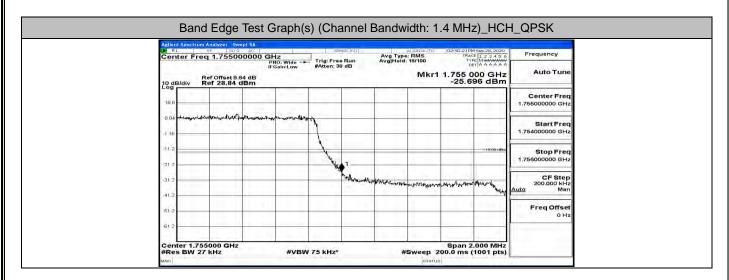


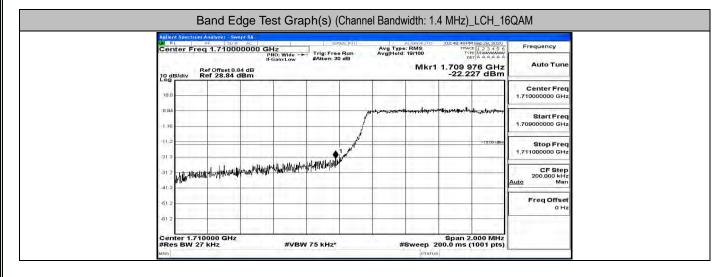


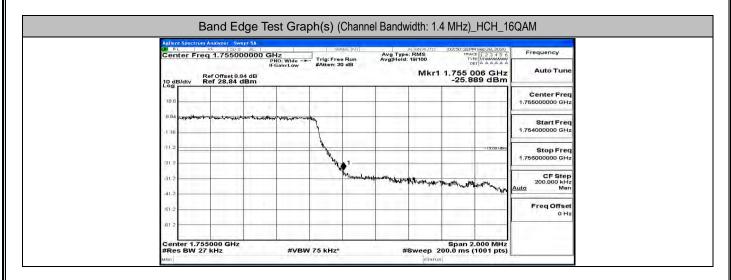


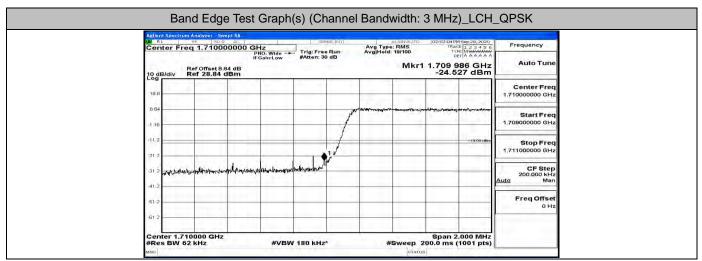
E.4 Band Edge

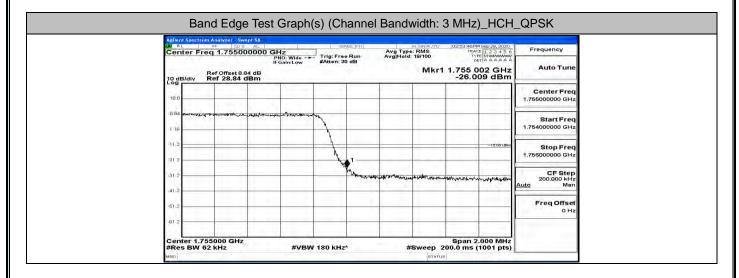


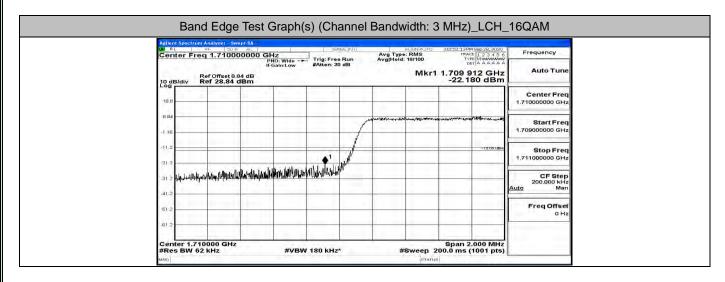


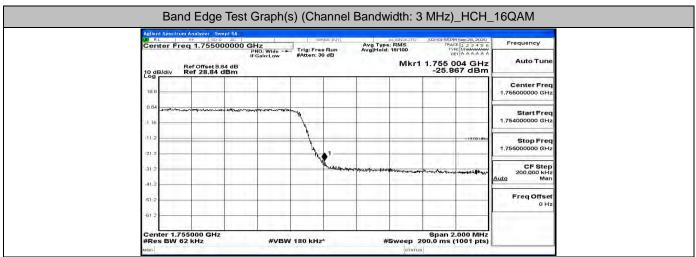


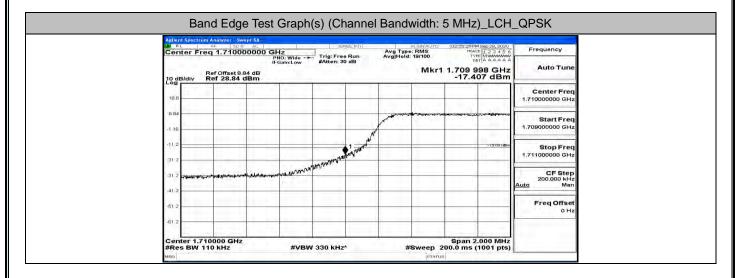


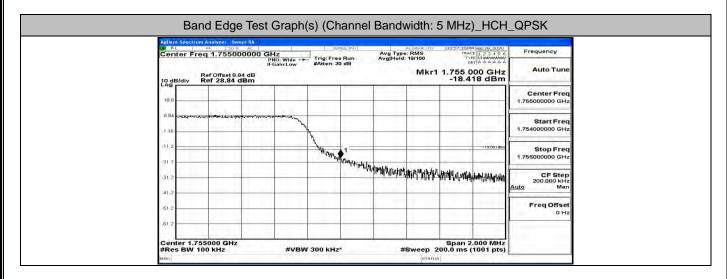


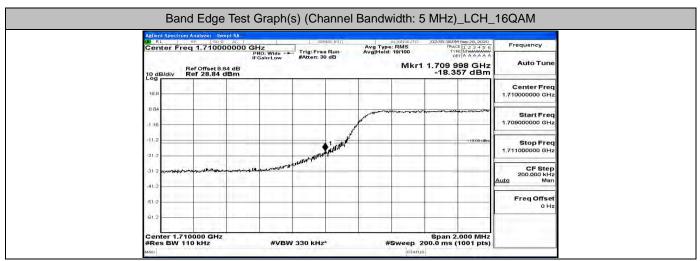


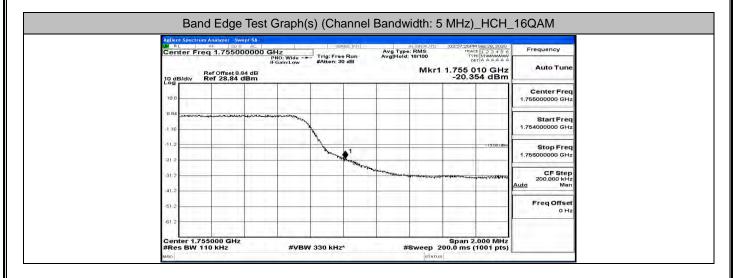




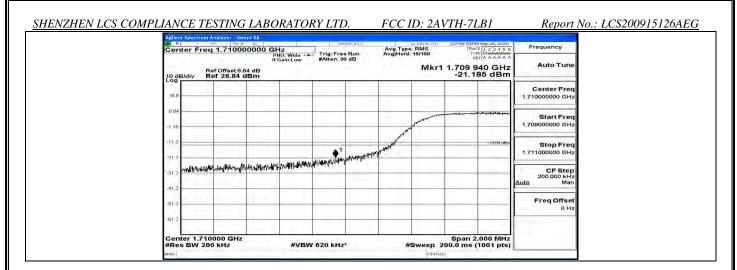


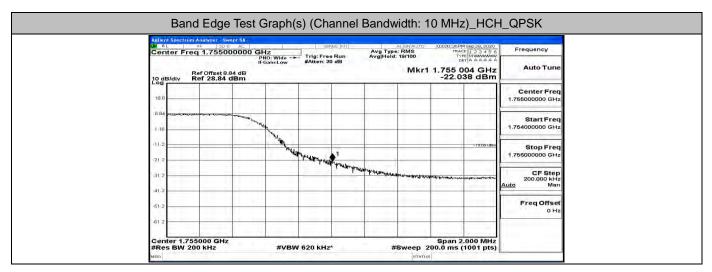


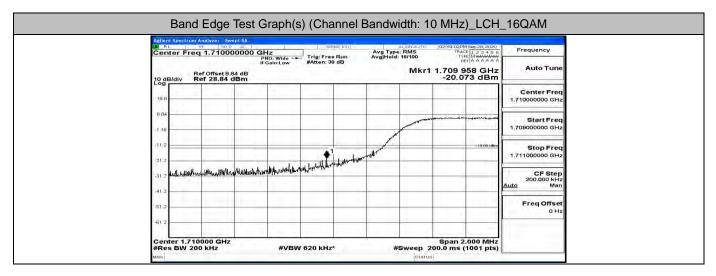




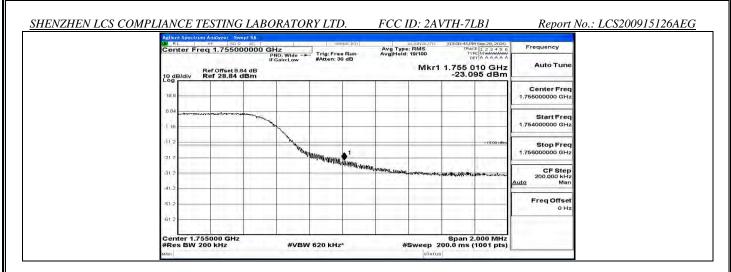
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

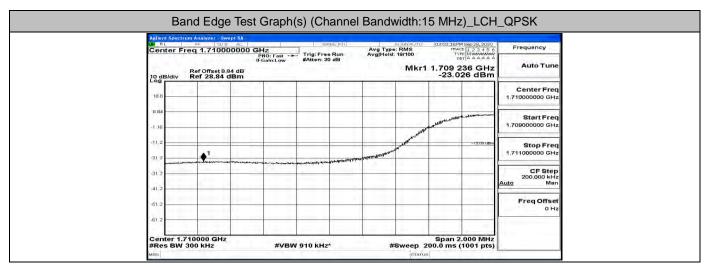


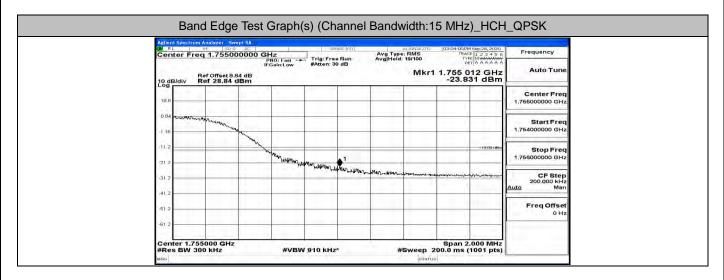




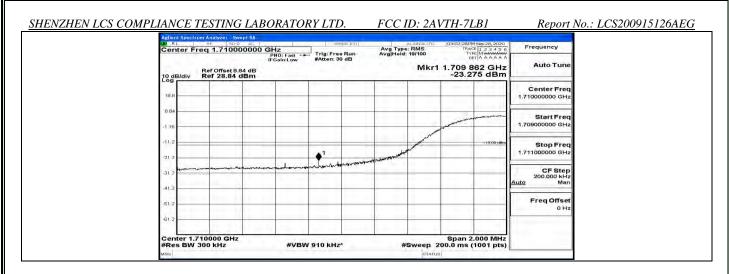
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

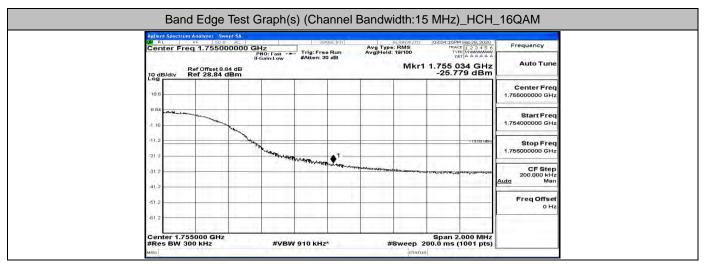


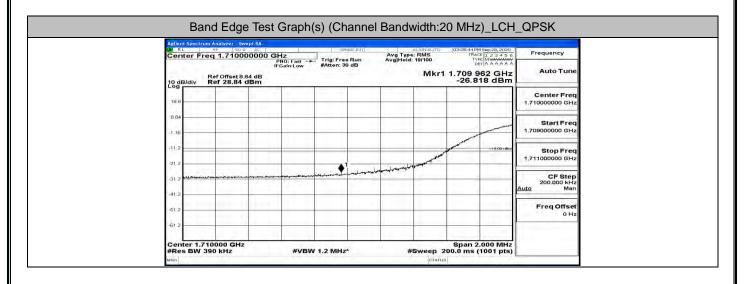




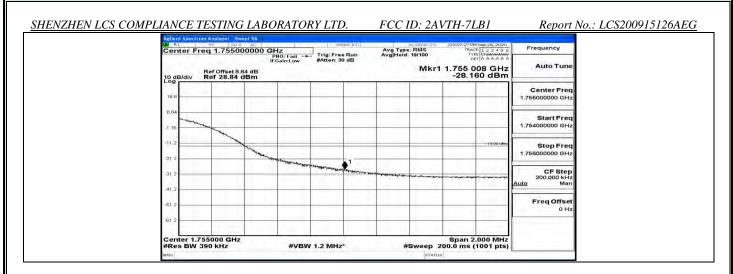
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM

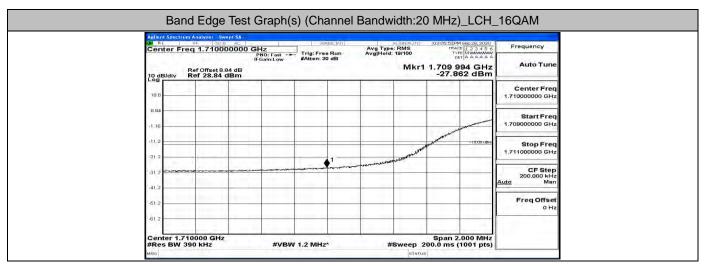


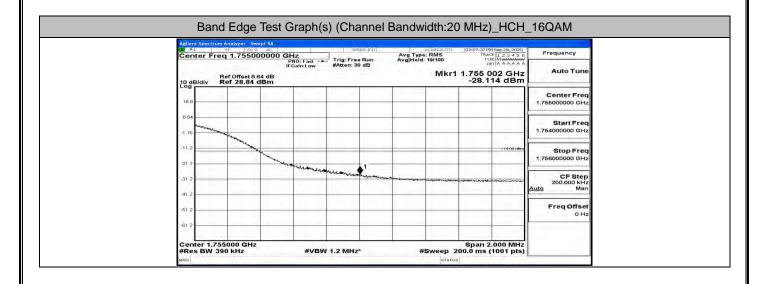




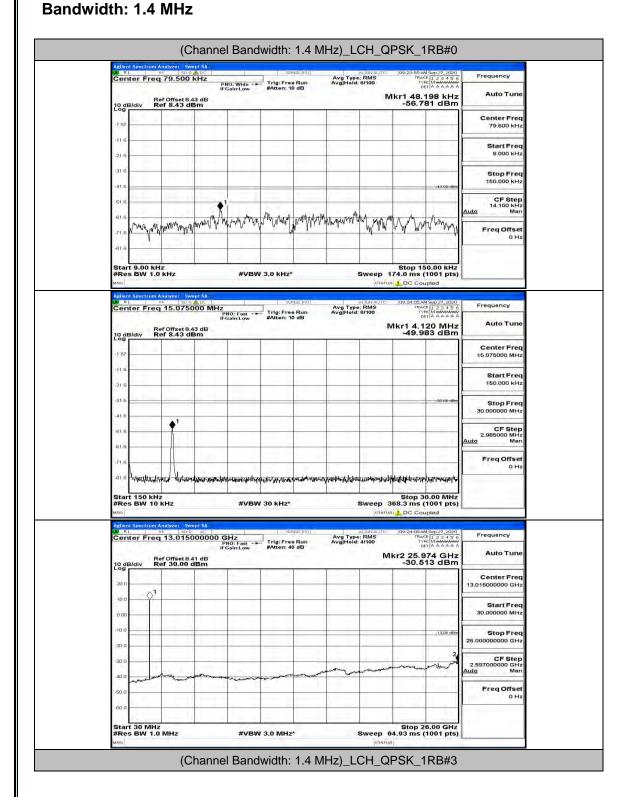
Band Edge Test Graph(s) (Channel Bandwidth: 20 MHz)_HCH_QPSK

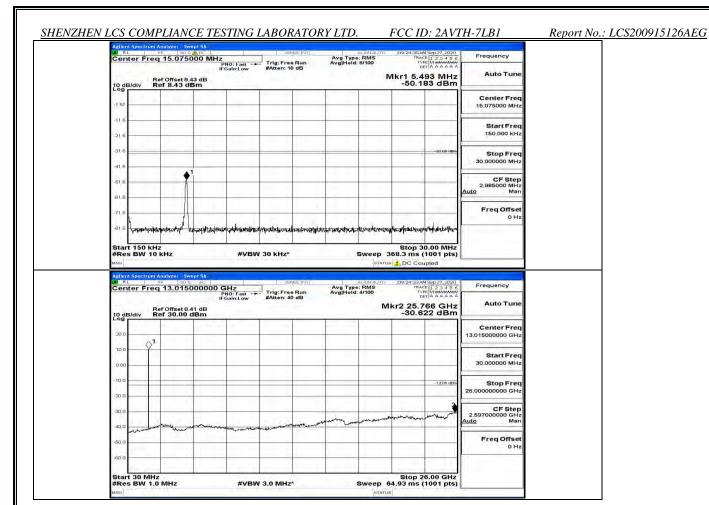


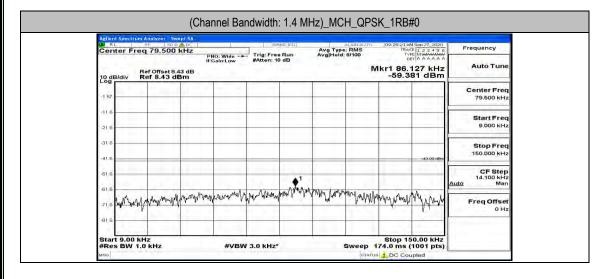


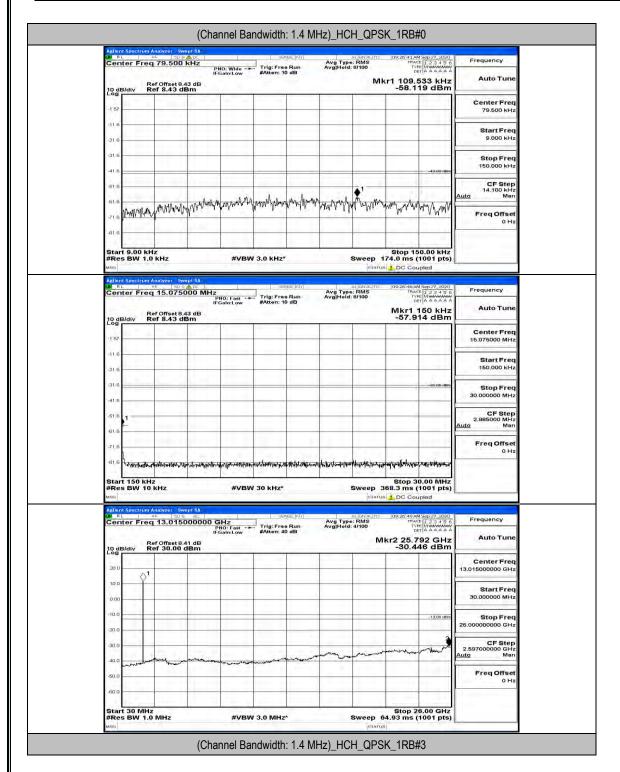


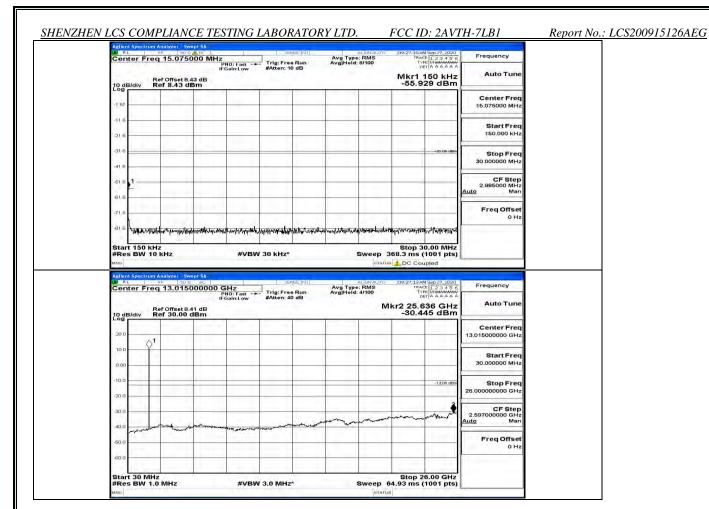
E.5 Conducted Spurious EmissionChannel

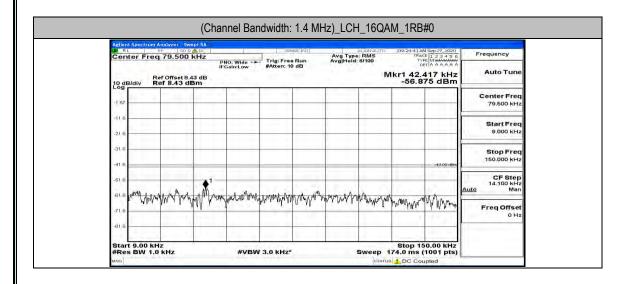


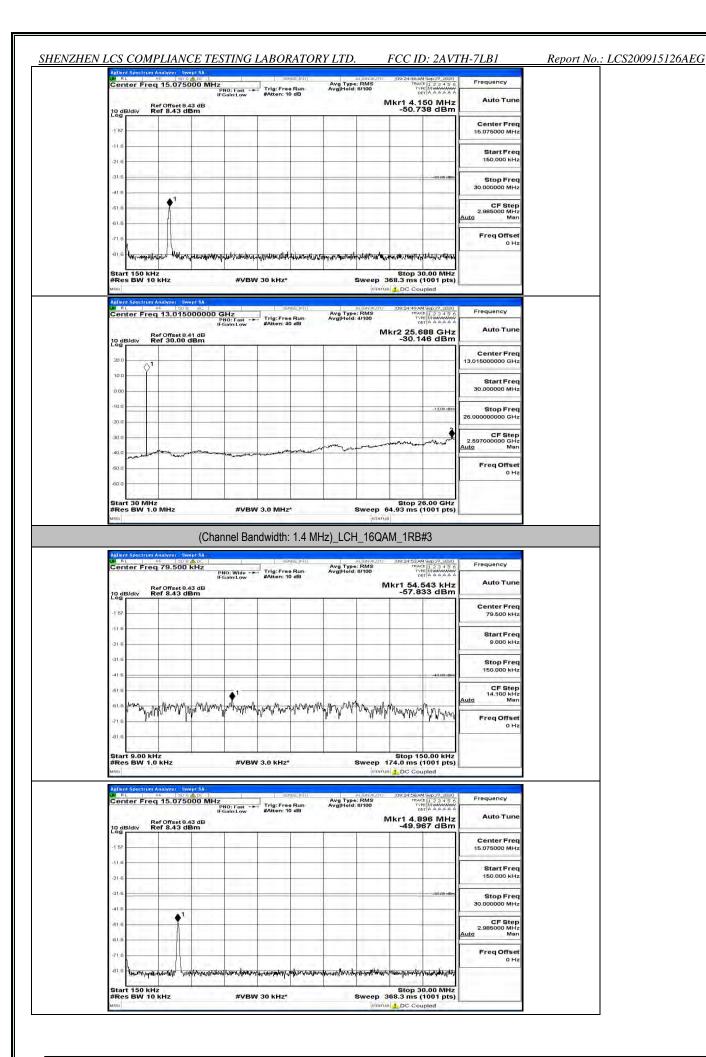


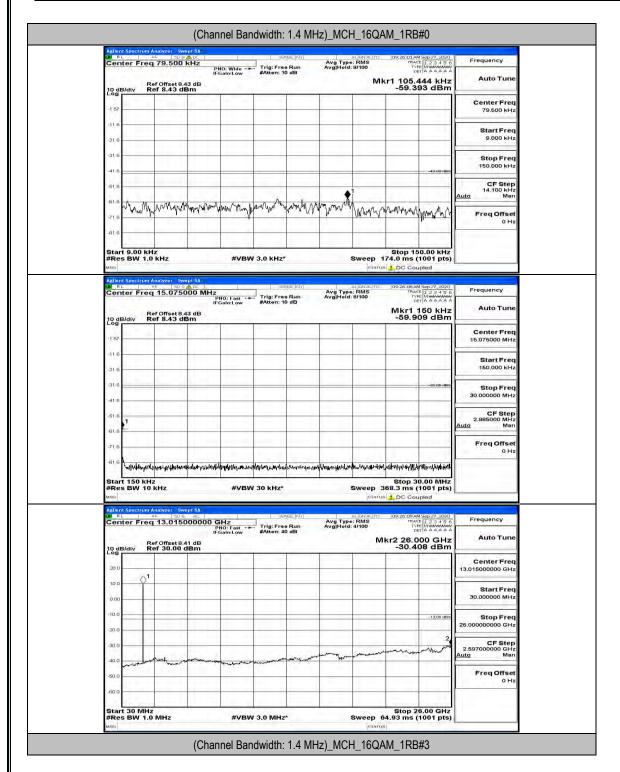


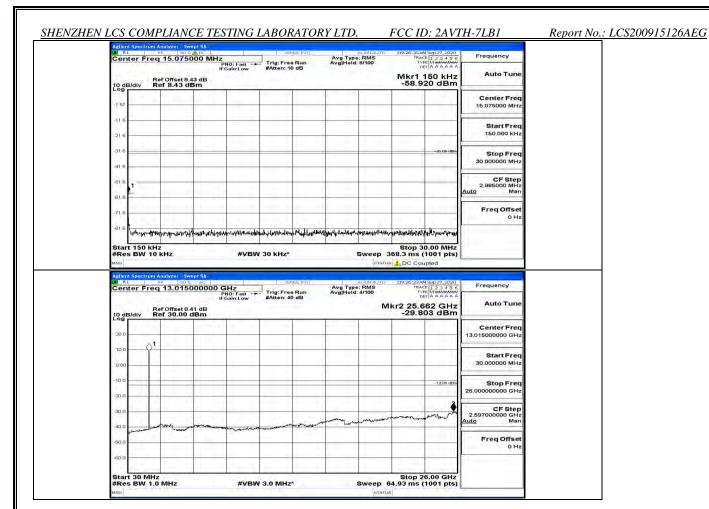


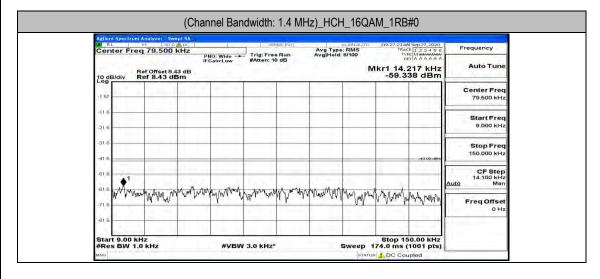












Channel Bandwidth: 3 MHz

