Appendix E: Test Data for E-UTRA Band 4

Product Name: Tablet Trade Mark: N/A Test Model: 8LB1

Environmental Conditions

Temperature:	24.6° 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]	Verdict	
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict	
		1	0	24.02	23.15	PASS	
		1	3	24.27	23.39	PASS	
		1	5	24.11	23.27	PASS	
	LCH	3	0	24.08	23.07	PASS	
		3	2	24.18	23.14	PASS	
		3	3	24.17	23.14	PASS	
		6	0	23.20	22.25	PASS	
		1	0	22.55	21.75	PASS	
	МСН	1	3	22.70	21.91	PASS	
QPSK /		1	5	22.59	21.72	PASS	
16QAM		3	0	22.63	21.69	PASS	
TOQAIVI		3	2	22.66	21.71	PASS	
		3	3	22.61	21.70	PASS	
		6	0	21.64	20.61	PASS	
		1	0	24.41	23.70	PASS	
		1	3	24.38	23.75	PASS	
		1	5	24.31	23.56	PASS	
	HCH	3	0	24.46	23.35	PASS	
		3	2	24.39	23.38	PASS	
		3	3	24.41	23.35	PASS	
		6	0	23.43	22.39	PASS	

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a.u.di.a.t		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	24.00	23.14	PASS		
		1	7	24.42	23.49	PASS		
		1	14	24.16	23.38	PASS		
	LCH	8	0	23.14	22.17	PASS		
		8	4	23.20	22.28	PASS		
		8	7	23.21	22.24	PASS		
		15	0	23.10	22.07	PASS		
	мсн	1	0	22.59	21.92	PASS		
		1	7	22.76	22.20	PASS		
QPSK /		1	14	22.59	21.90	PASS		
16QAM		8	0	21.58	20.62	PASS		
TOQAIVI		8	4	21.67	20.64	PASS		
		8	7	21.65	20.64	PASS		
		15	0	21.54	20.59	PASS		
		1	0	24.54	23.75	PASS		
		1	7	24.73	23.86	PASS		
		1	14	24.29	23.50	PASS		
	HCH	8	0	23.58	22.51	PASS		
		8	4	23.53	22.50	PASS		
		8	7	23.42	22.39	PASS		
		15	0	23.43	22.51	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/andiat		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	23.96	23.13	PASS		
		1	12	24.54	23.60	PASS		
		1	24	24.21	23.39	PASS		
	LCH	12	0	23.14	22.15	PASS		
		12	6	23.23	22.25	PASS		
		12	13	23.23	22.28	PASS		
		25	0	23.17	22.17	PASS		
	мсн	1	0	22.51	21.79	PASS		
		1	12	22.73	22.04	PASS		
QPSK /		1	24	22.61	21.77	PASS		
16QAM		12	0	21.53	20.67	PASS		
TOQAIVI		12	6	21.62	20.75	PASS		
		12	13	21.67	20.77	PASS		
		25	0	21.60	20.66	PASS		
		1	0	24.63	23.70	PASS		
		1	12	24.85	24.07	PASS		
		1	24	24.29	23.40	PASS		
	HCH	12	0	23.63	22.58	PASS		
		12	6	23.60	22.61	PASS		
		12	13	23.44	22.41	PASS		
		25	0	23.53	22.57	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a ==li =t			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	23.98	23.20	PASS			
		1	24	24.40	23.59	PASS			
		1	49	23.88	23.14	PASS			
	LCH	25	0	23.18	22.17	PASS			
		25	12	23.30	22.29	PASS			
		25	25	23.15	22.13	PASS			
		50	0	23.13	22.16	PASS			
		1	0	22.75	22.14	PASS			
	МСН	1	24	22.74	22.07	PASS			
ODCK /		1	49	22.90	22.11	PASS			
QPSK / 16QAM		25	0	21.53	20.57	PASS			
IOQAW		25	12	21.61	20.66	PASS			
		25	25	21.70	20.74	PASS			
		50	0	21.60	20.66	PASS			
		1	0	24.28	23.49	PASS			
		1	24	24.79	23.99	PASS			
		1	49	24.31	23.52	PASS			
	HCH	25	0	23.57	22.60	PASS			
		25	12	23.62	22.66	PASS			
		25	25	23.58	22.61	PASS			
		50	0	23.54	22.57	PASS			

	Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a ==li =4			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	23.91	23.12	PASS			
		1	37	24.42	23.51	PASS			
		1	74	23.09	22.42	PASS			
	LCH	37	0	23.25	22.22	PASS			
		37	18	23.24	22.16	PASS			
		37	38	22.79	21.74	PASS			
		75	0	23.09	22.05	PASS			
		1	0	22.87	22.23	PASS			
	МСН	1	37	22.81	21.94	PASS			
ODCK /		1	74	23.21	22.26	PASS			
QPSK / 16QAM		37	0	21.57	20.60	PASS			
TOQAW		37	18	21.70	20.69	PASS			
		37	38	21.97	20.88	PASS			
		75	0	21.76	20.74	PASS			
		1	0	23.44	22.51	PASS			
		1	37	24.68	23.95	PASS			
		1	74	24.29	23.46	PASS			
	нсн	37	0	23.27	22.13	PASS			
		37	18	23.63	22.53	PASS			
		37	38	23.71	22.60	PASS			
		75	0	23.53	22.48	PASS			

	Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/andiat			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	23.85	22.97	PASS			
		1	49	24.11	23.27	PASS			
		1	99	22.43	21.67	PASS			
	LCH	50	0	23.14	22.09	PASS			
		50	25	22.90	21.90	PASS			
		50	50	22.29	21.35	PASS			
		100	0	22.78	21.81	PASS			
		1	0	23.06	22.46	PASS			
	MCH	1	49	22.80	22.07	PASS			
ODCK /		1	99	23.42	22.65	PASS			
QPSK / 16QAM		50	0	21.62	20.70	PASS			
TOQAW		50	25	21.68	20.71	PASS			
		50	50	21.79	20.85	PASS			
		100	0	21.71	20.71	PASS			
		1	0	22.44	21.61	PASS			
		1	49	24.32	23.50	PASS			
		1	99	24.01	23.27	PASS			
	HCH	50	0	22.64	21.63	PASS			
		50	25	23.18	22.22	PASS			
		50	50	23.49	22.57	PASS			
		100	0	23.04	22.08	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	Griannei	[dB]	[dB]	verdict			
	LCH	4.5	<13	PASS			
QPSK	MCH	4.91	<13	PASS			
	HCH	4.73	<13	PASS			
	LCH	5.41	<13	PASS			
16QAM	MCH	5.84	<13	PASS			
	HCH	5.59	<13	PASS			

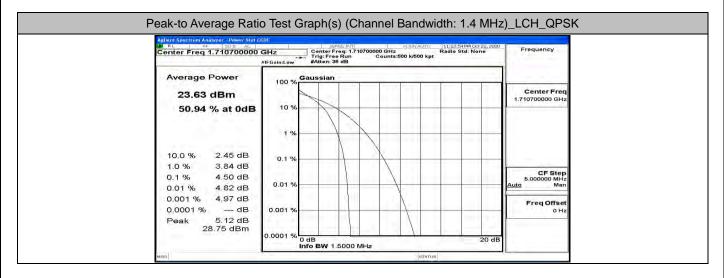
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Channel	[dB]	[dB]	verdict			
	LCH	4.81	<13	PASS			
QPSK	MCH	5.13	<13	PASS			
	HCH	4.82	<13	PASS			
16QAM	LCH	5.67	<13	PASS			
	MCH	5.91	<13	PASS			
	HCH	5.65	<13	PASS			

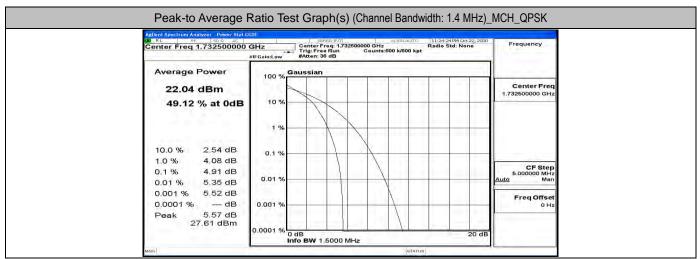
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	4.83	<13	PASS		
QPSK	MCH	5.08	<13	PASS		
	HCH	4.9	<13	PASS		
	LCH	5.53	<13	PASS		
16QAM	MCH	5.87	<13	PASS		
	HCH	5.66	<13	PASS		

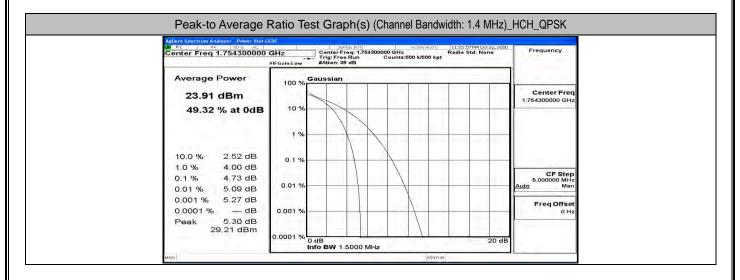
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Griannei	[dB]	[dB]	verdict			
	LCH	4.99	<13	PASS			
QPSK	MCH	5.21	<13	PASS			
	HCH	5.03	<13	PASS			
	LCH	5.75	<13	PASS			
16QAM	MCH	5.94	<13	PASS			
	HCH	5.85	<13	PASS			

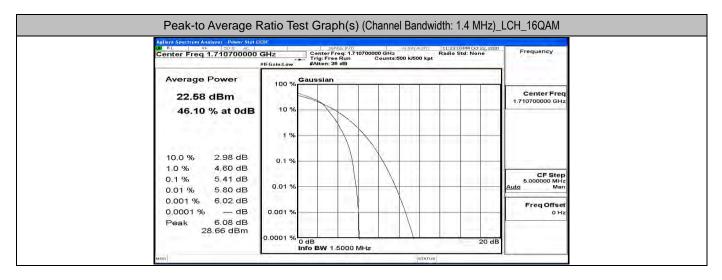
	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict				
Modulation	Chame	[dB]	[dB]	Verdict				
	LCH	4.94	<13	PASS				
QPSK	MCH	4.94	<13	PASS				
	HCH	4.99	<13	PASS				
	LCH	6.13	<13	PASS				
16QAM	MCH	6.15	<13	PASS				
	HCH	6.14	<13	PASS				

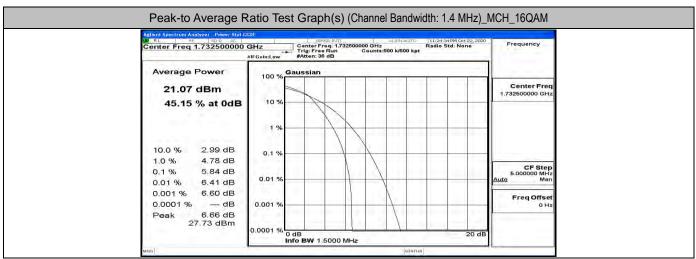
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
Modulation		[dB]	[dB]		
QPSK	LCH	5.79	<13	PASS	
	MCH	5.78	<13	PASS	
	HCH	5.81	<13	PASS	
16QAM	LCH	6.74	<13	PASS	
	MCH	6.64	<13	PASS	
	HCH	6.71	<13	PASS	

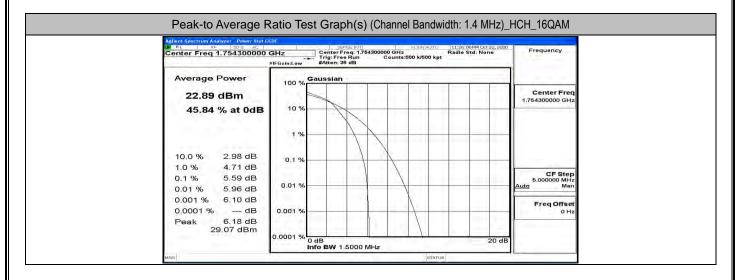


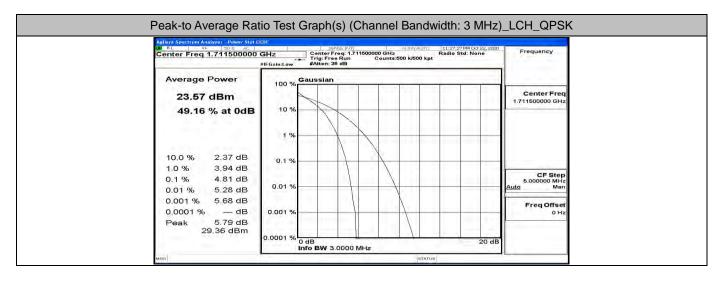


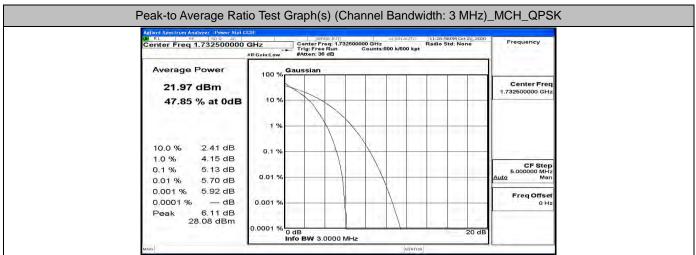


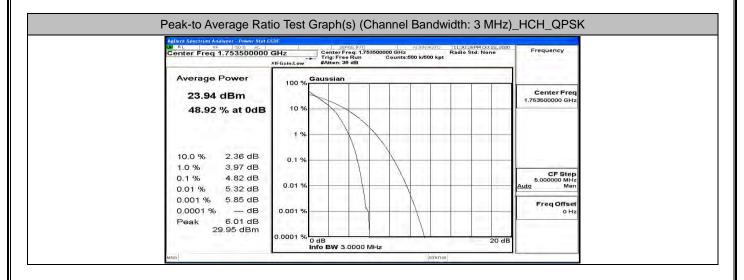


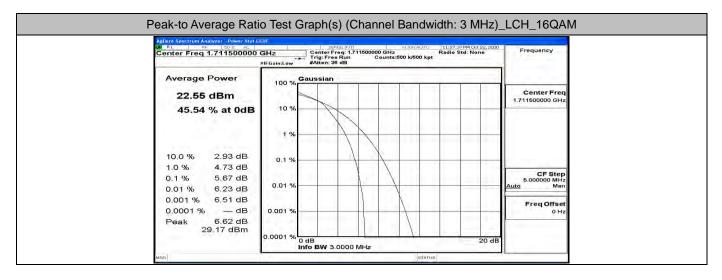


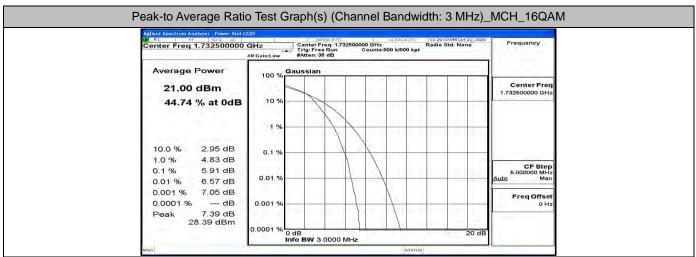


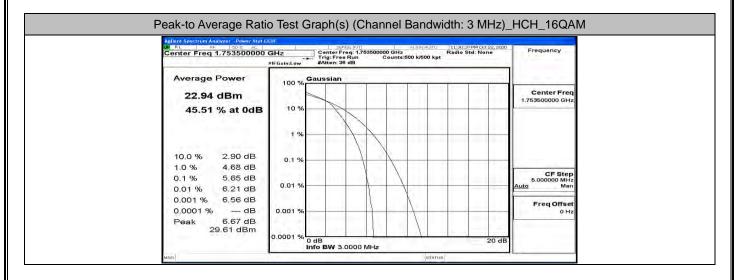


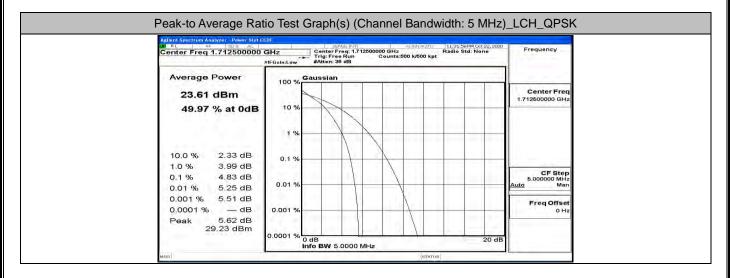


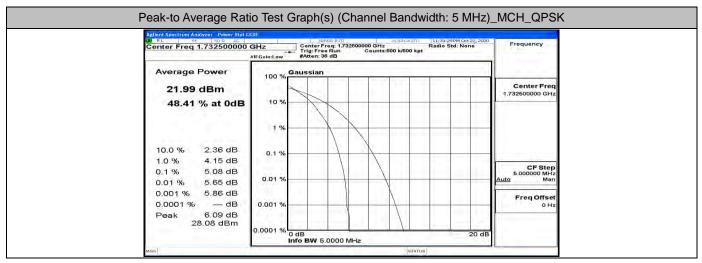


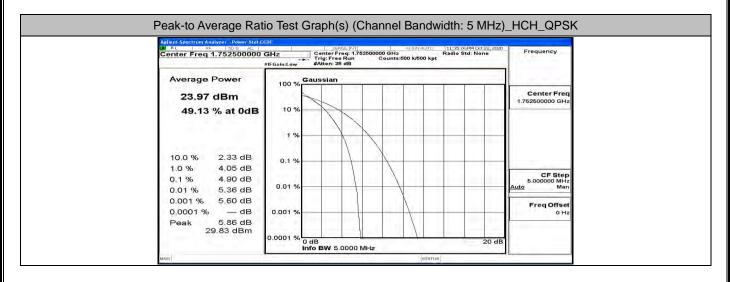


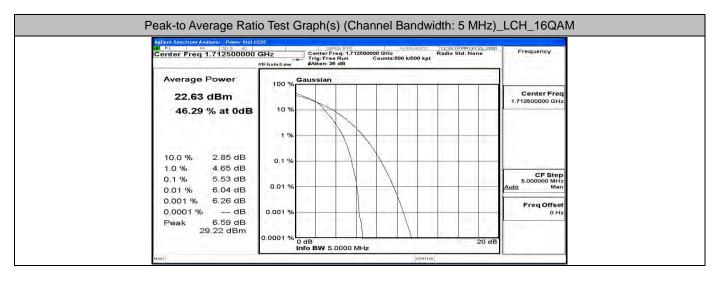


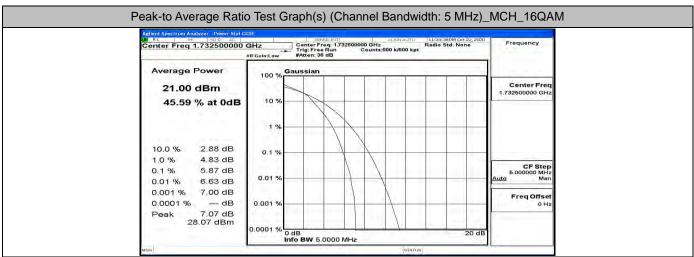


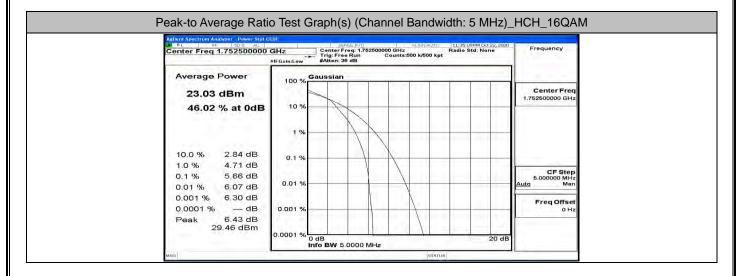




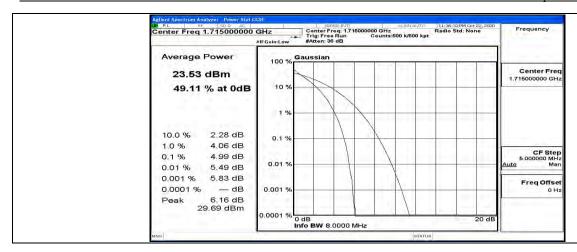


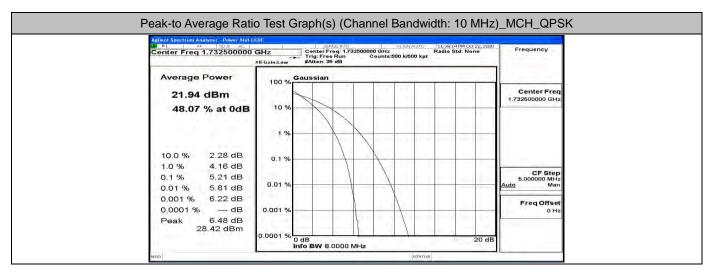


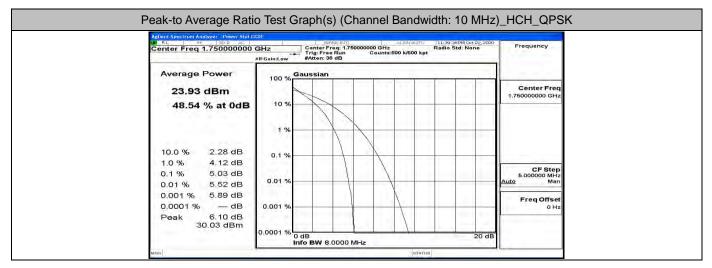


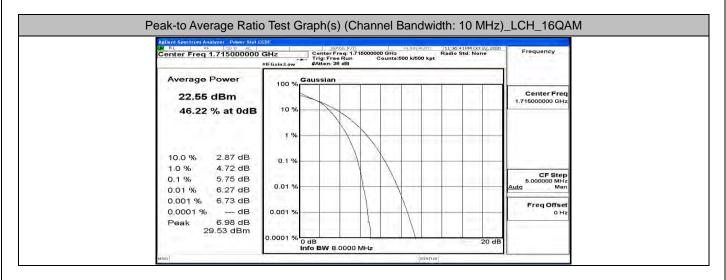


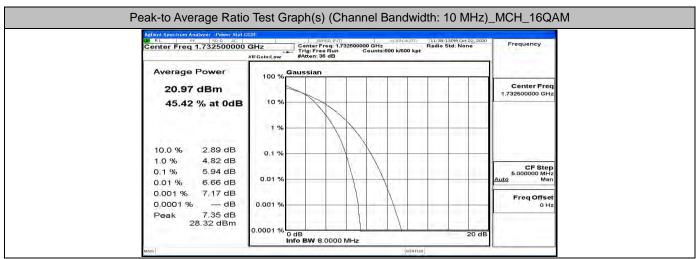
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

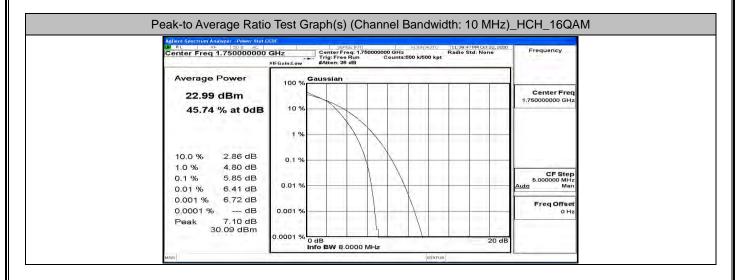


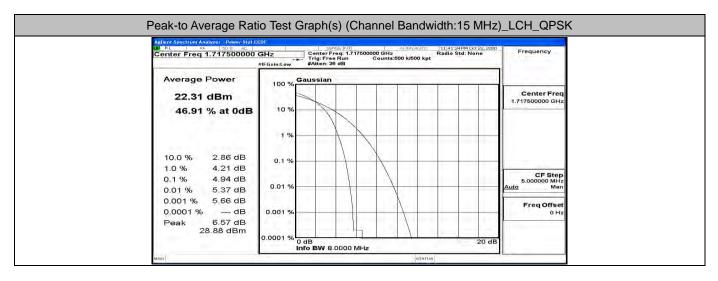


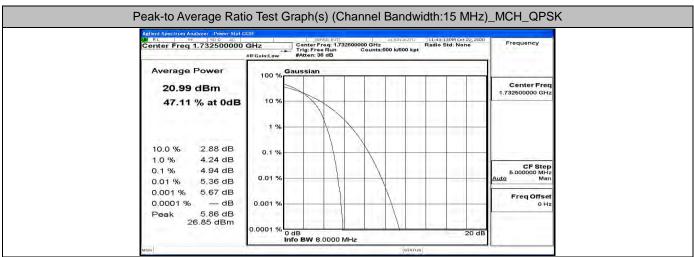


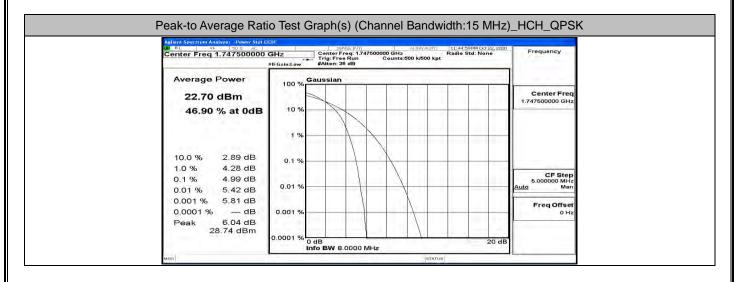


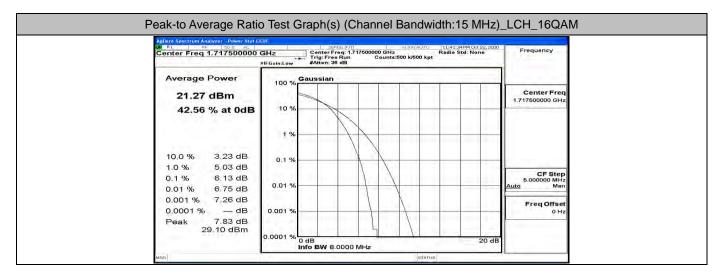


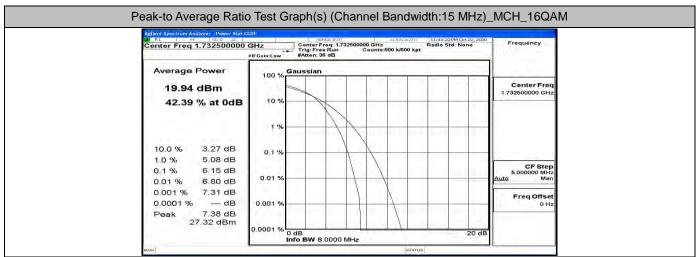


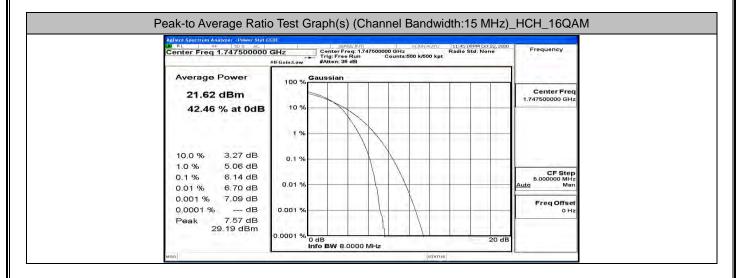


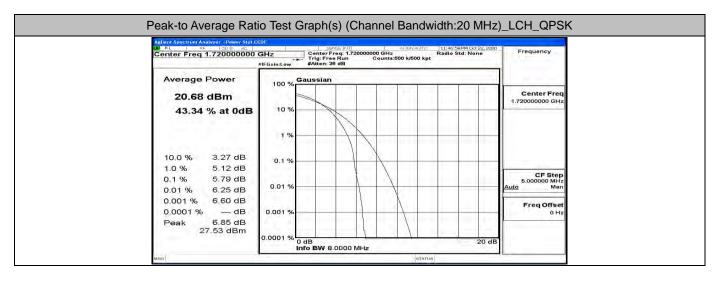


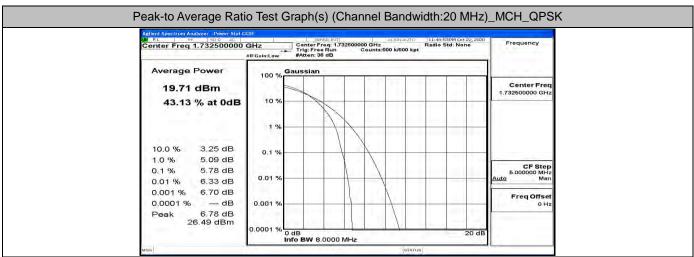


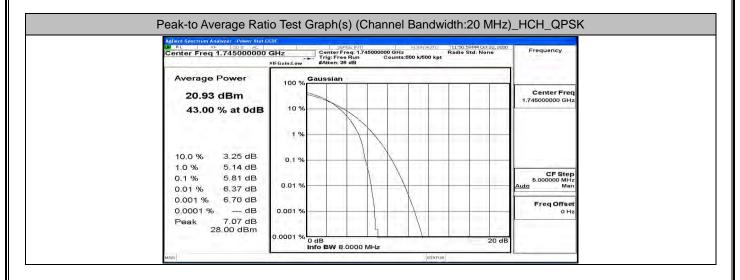


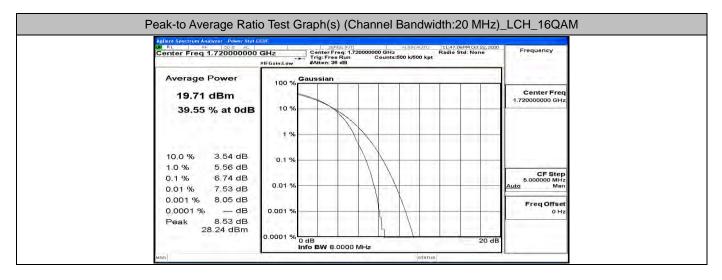


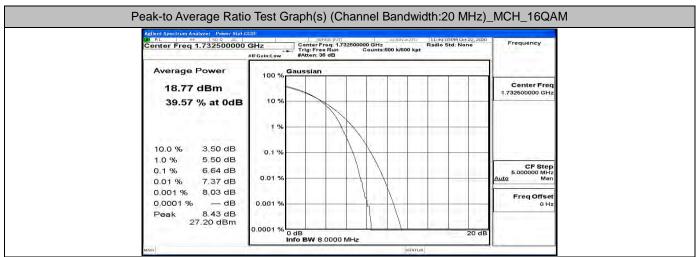


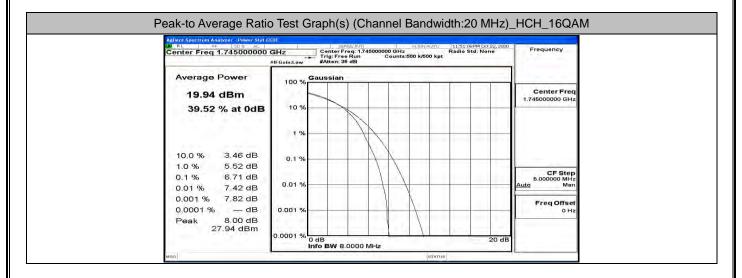












E.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
iviodulation		(MHz)	(MHz)	
QPSK	LCH	1.0723	1.241	PASS
	MCH	1.0778	1.225	PASS
	HCH	1.0739	1.228	PASS
16QAM	LCH	1.0794	1.244	PASS
	MCH	1.0754	1.237	PASS
	HCH	1.0800	1.242	PASS

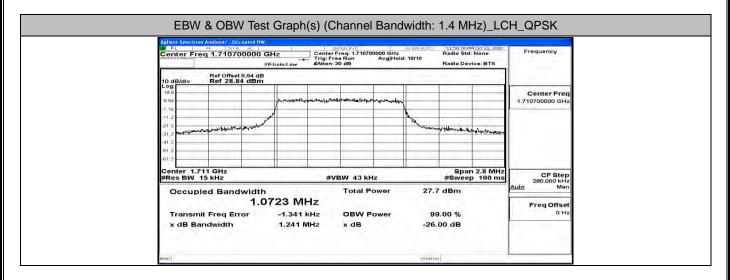
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	2.6773	2.836	PASS
	MCH	2.6796	2.838	PASS
	HCH	2.6784	2.813	PASS
16QAM	LCH	2.6778	2.813	PASS
	MCH	2.6783	2.832	PASS
	HCH	2.6781	2.816	PASS

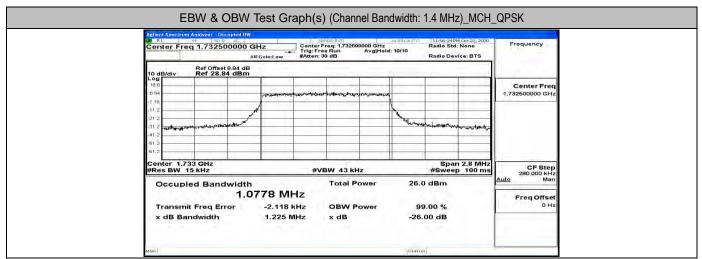
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	4.4792	4.765	PASS
	MCH	4.4696	4.754	PASS
	HCH	4.4796	4.727	PASS
16QAM	LCH	4.4809	4.739	PASS
	MCH	4.4728	4.685	PASS
	HCH	4.4696	4.793	PASS

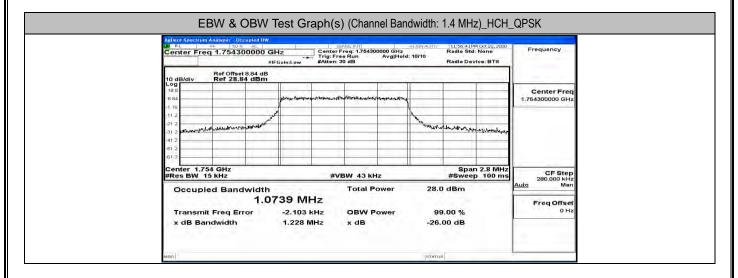
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	8.9216	9.371	PASS	
	MCH	8.9207	9.345	PASS	
	HCH	8.9373	9.345	PASS	
16QAM	LCH	8.9257	9.348	PASS	
	MCH	8.9239	9.358	PASS	
	HCH	8.9181	9.334	PASS	

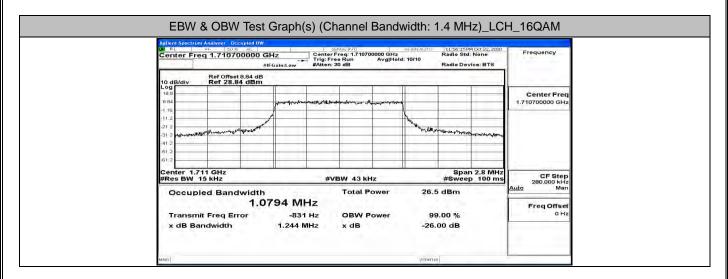
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation		(MHz)	(MHz)	
QPSK	LCH	13.390	14.02	PASS
	MCH	13.393	14.05	PASS
	HCH	13.418	13.99	PASS
16QAM	LCH	13.388	13.97	PASS
	MCH	13.376	13.95	PASS
	HCH	13.410	14.02	PASS

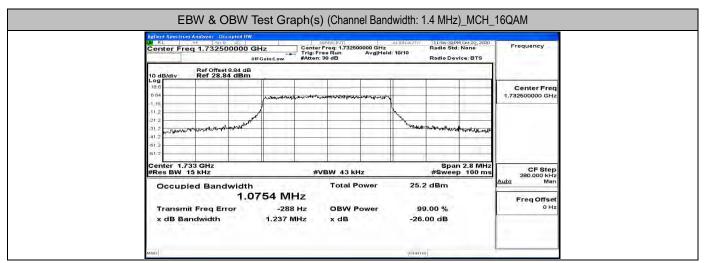
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
		(MHz)	(MHz)	
QPSK	LCH	17.865	18.59	PASS
	MCH	17.836	18.52	PASS
	HCH	17.894	18.59	PASS
16QAM	LCH	17.873	18.53	PASS
	MCH	17.845	18.57	PASS
	HCH	17.886	18.62	PASS

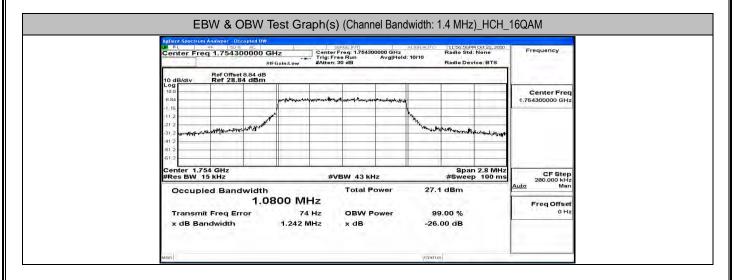


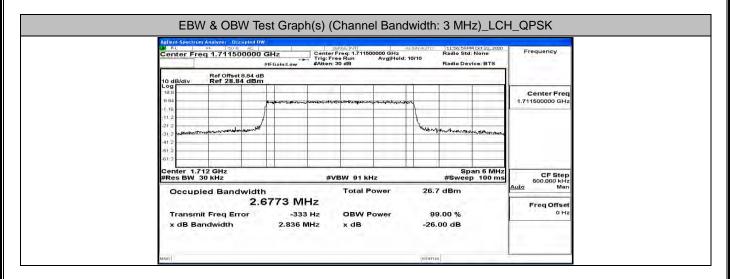


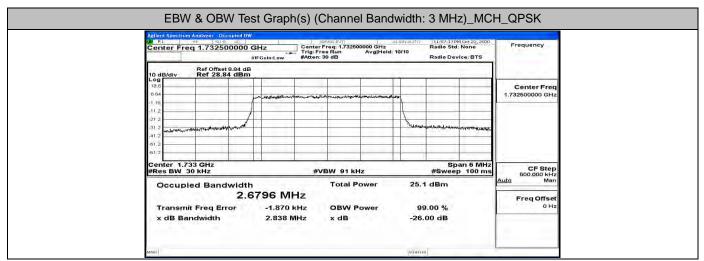


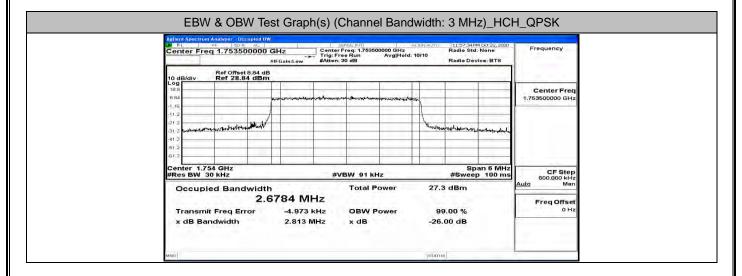


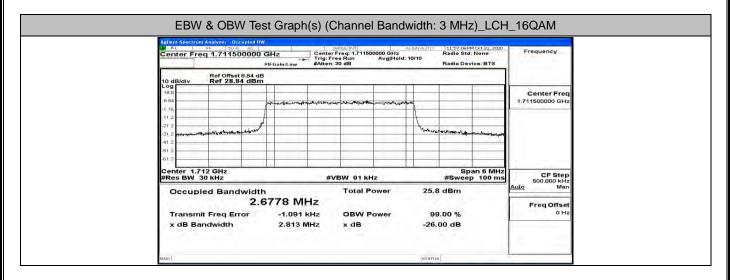


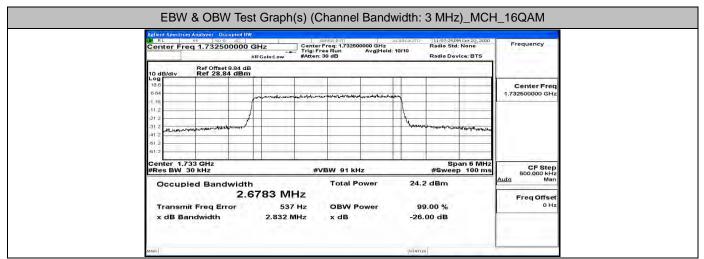


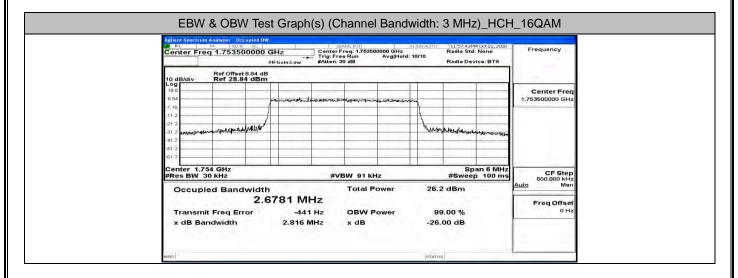


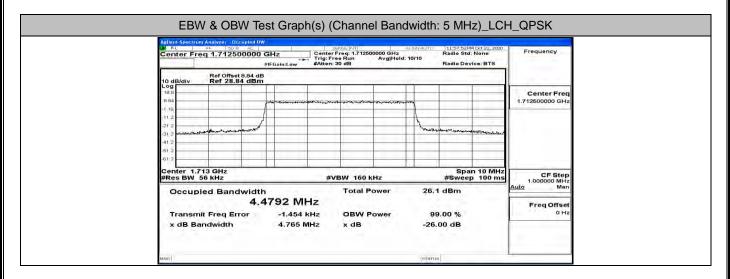


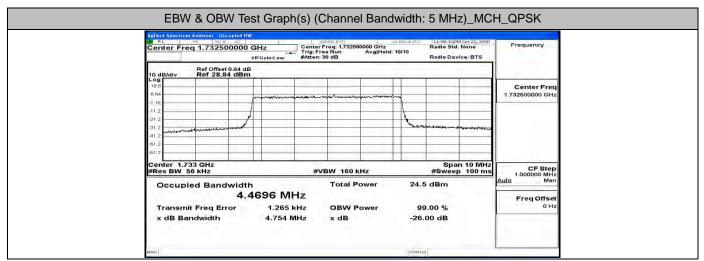


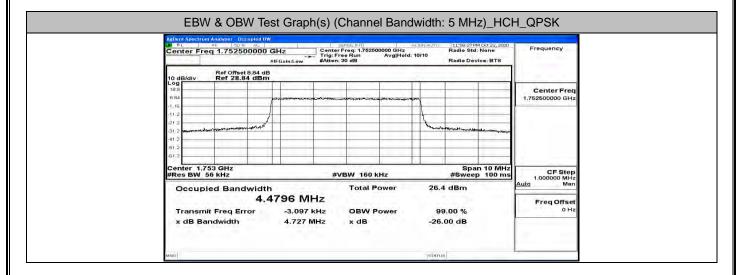


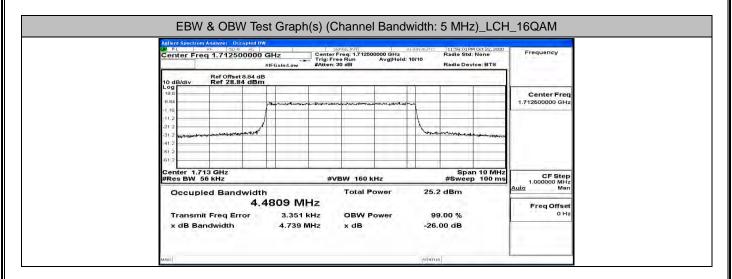


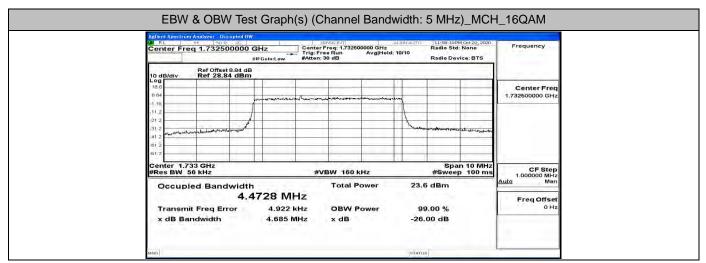


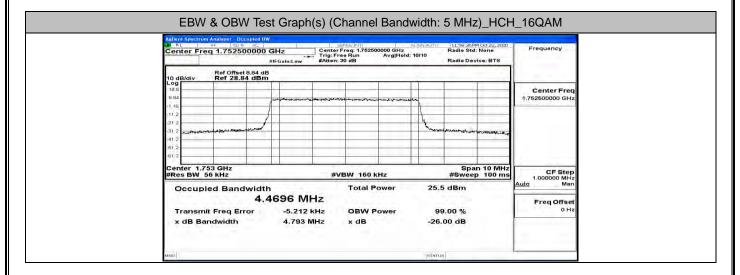


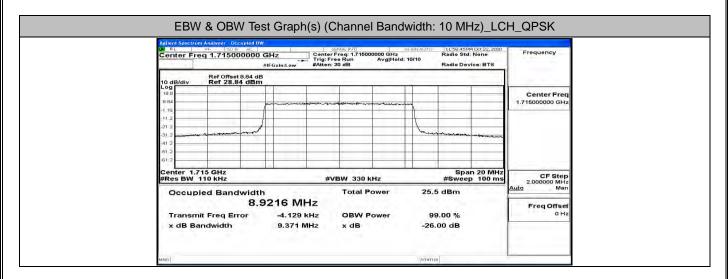


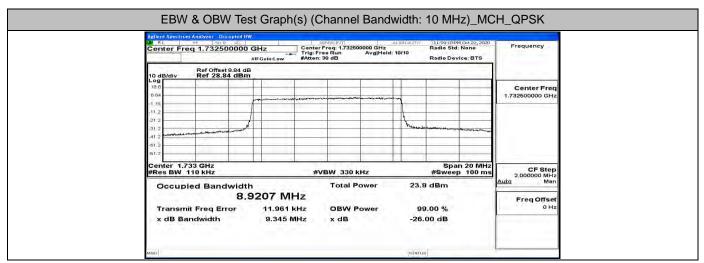


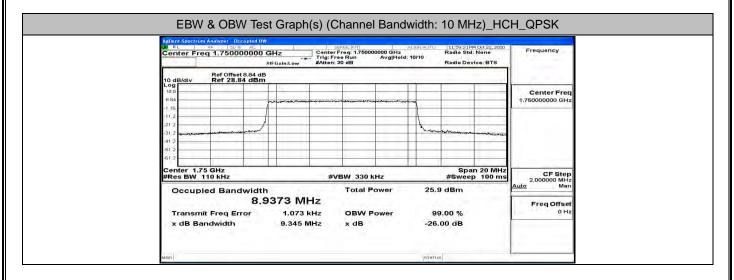


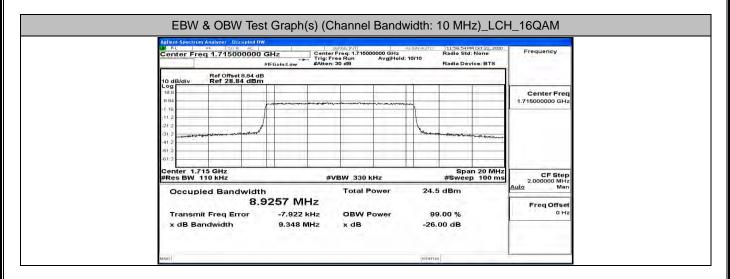


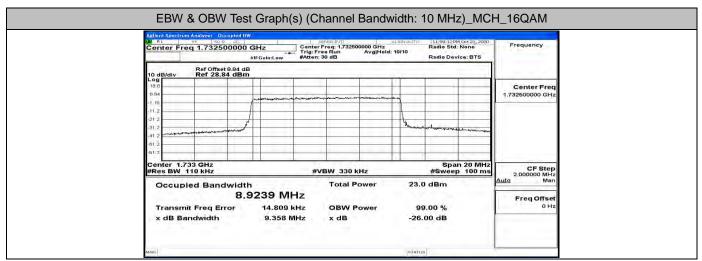


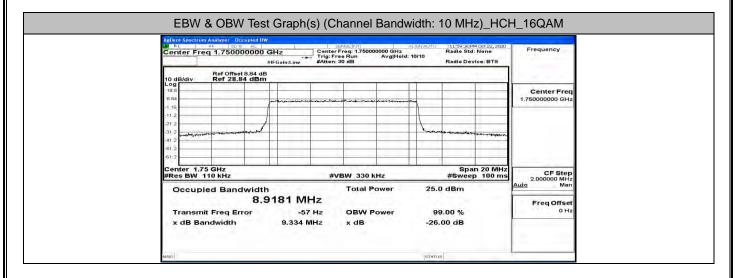


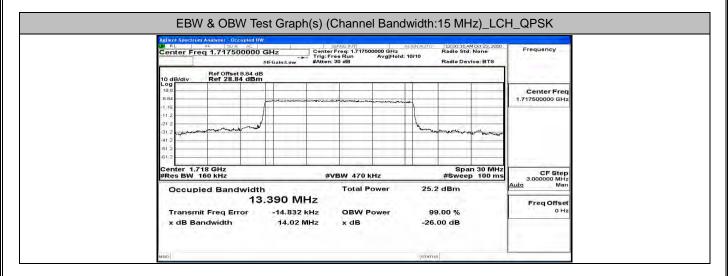


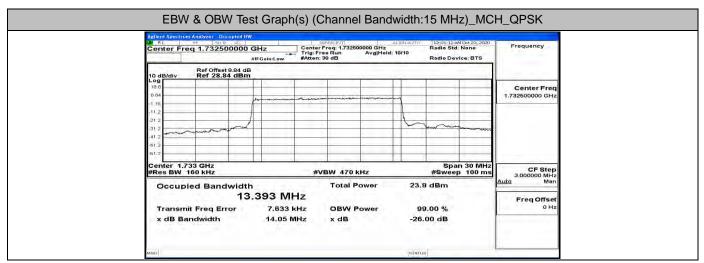


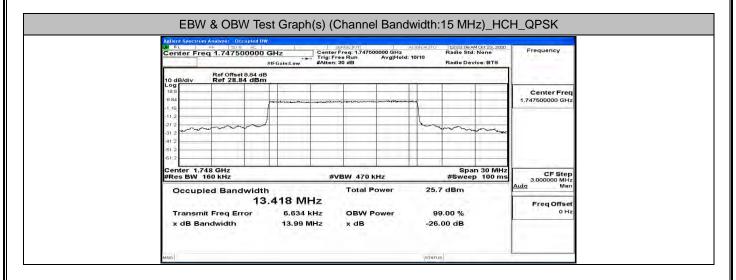


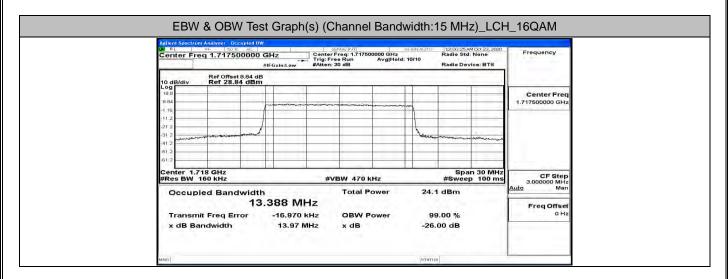


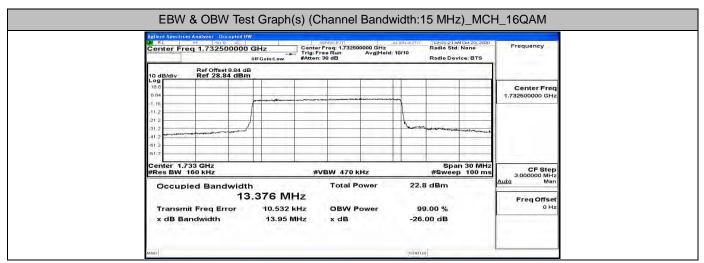


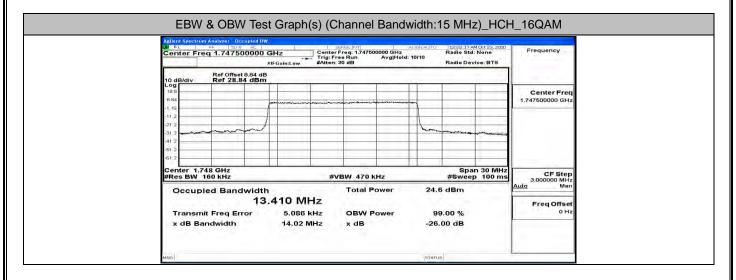


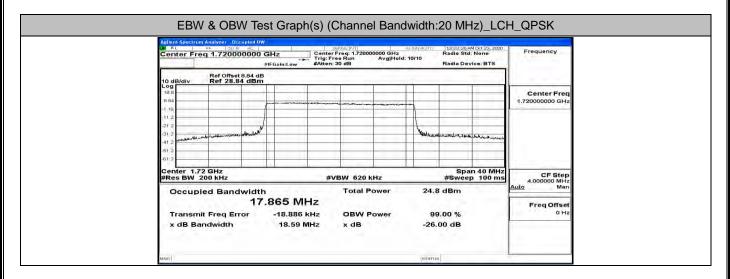


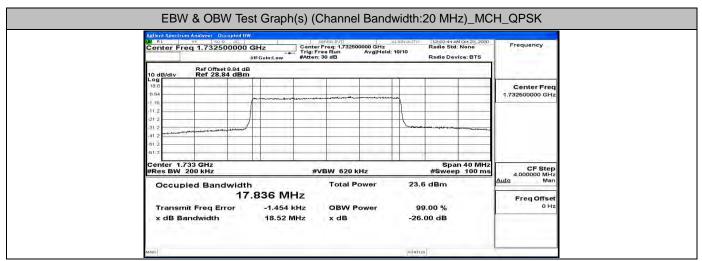


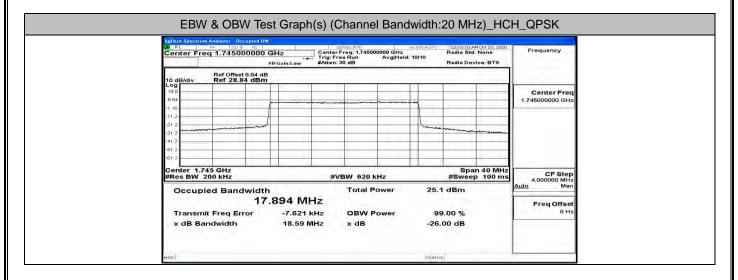


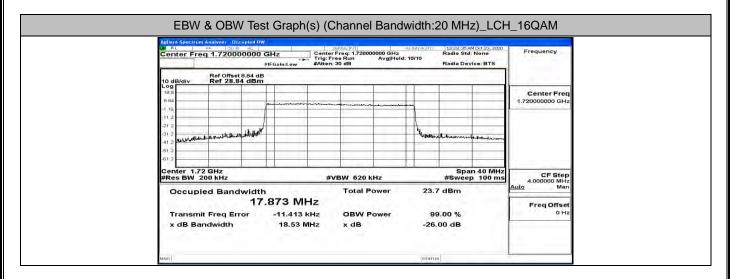


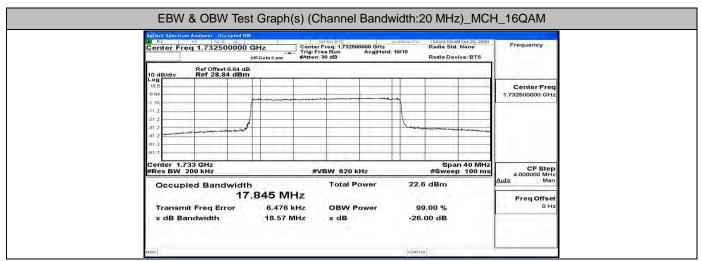


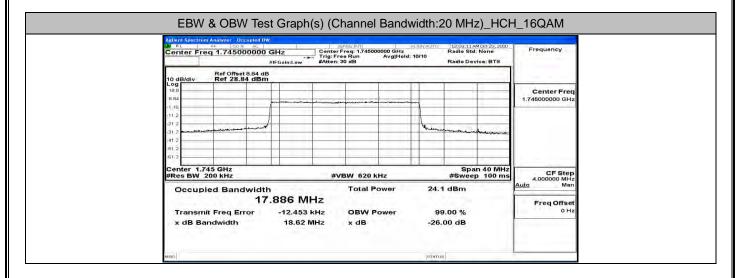




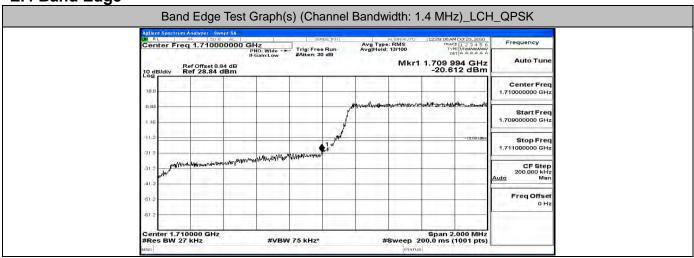


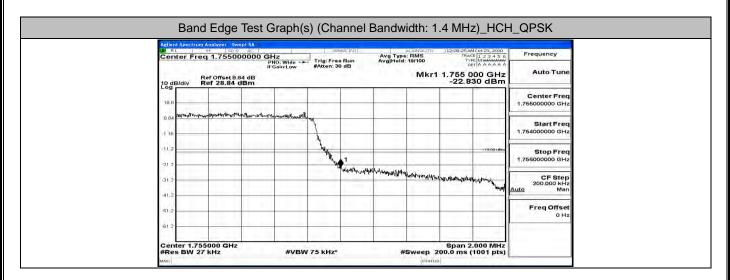


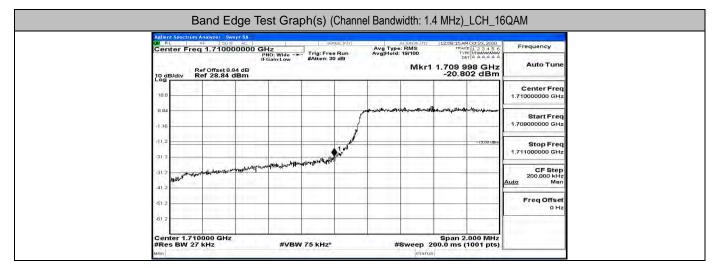


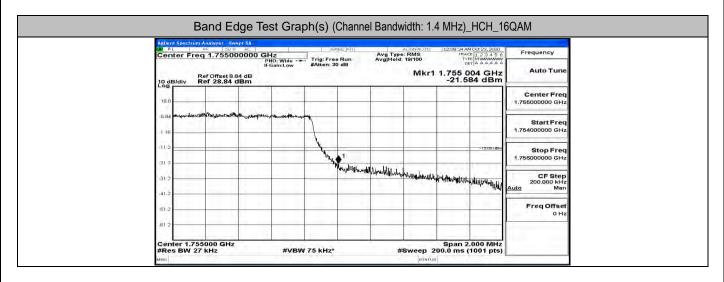


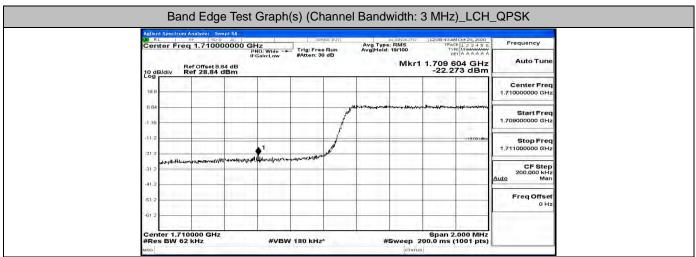
E.4 Band Edge

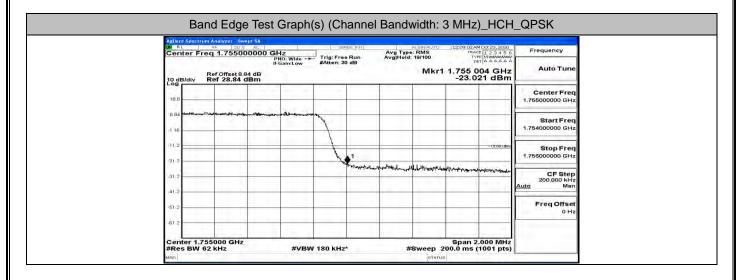


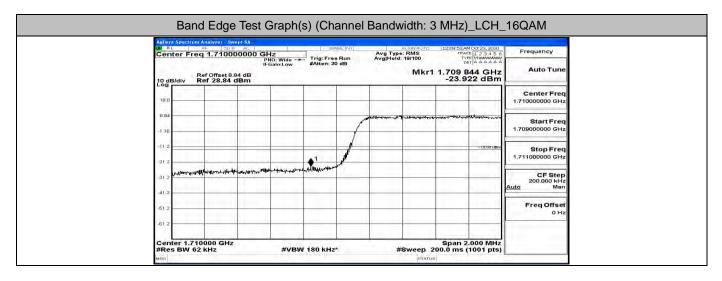


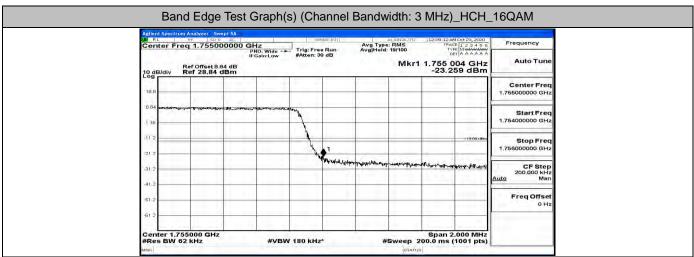


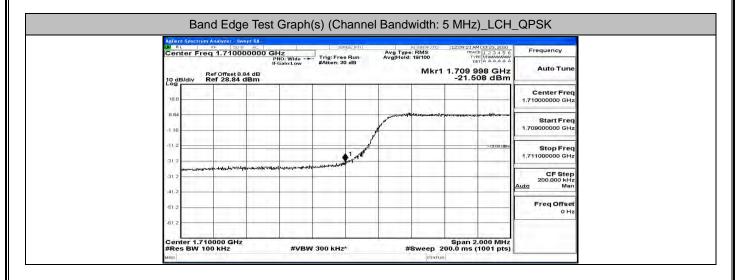


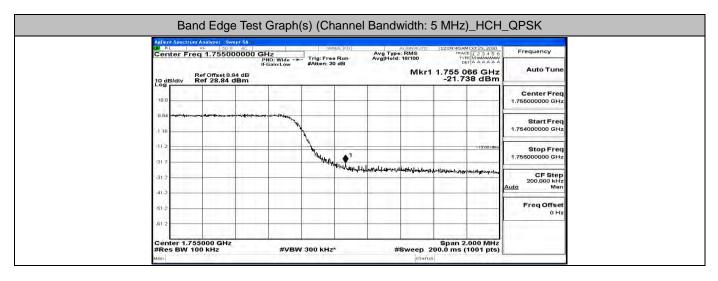


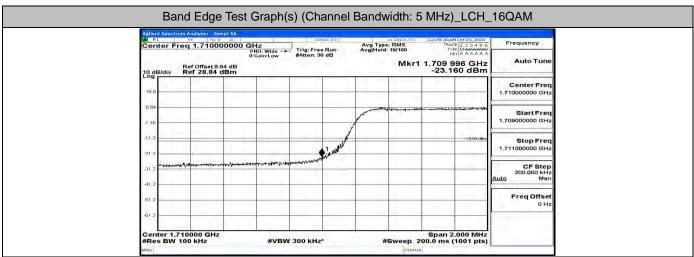


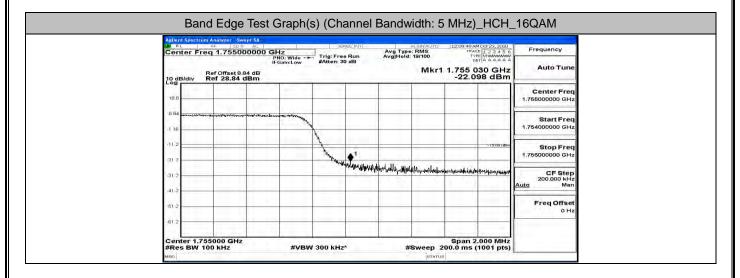




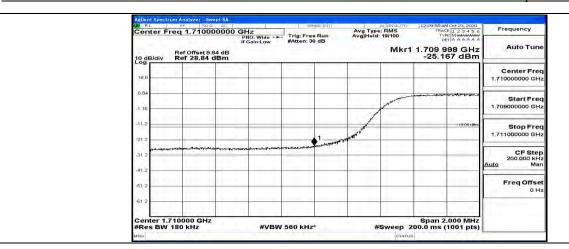


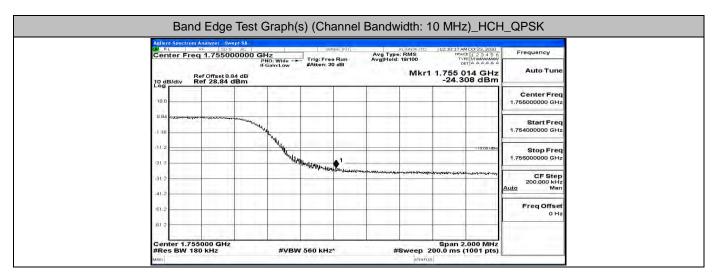


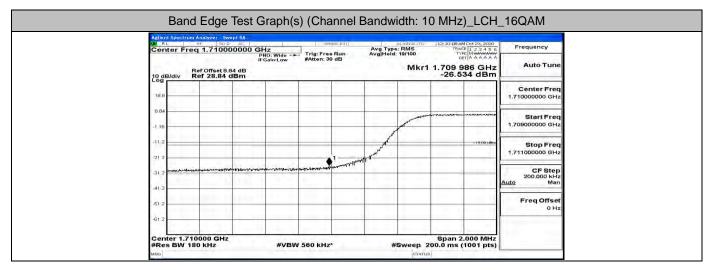




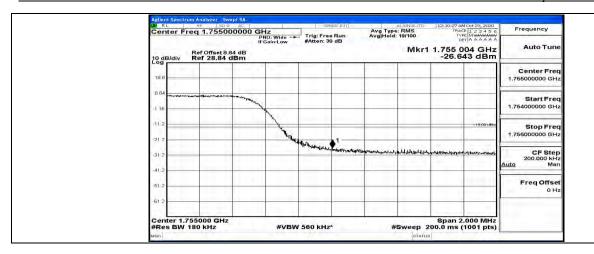
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

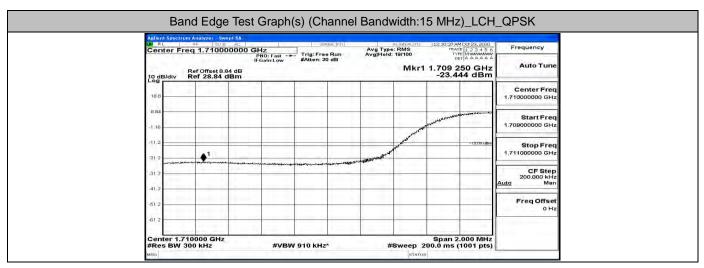


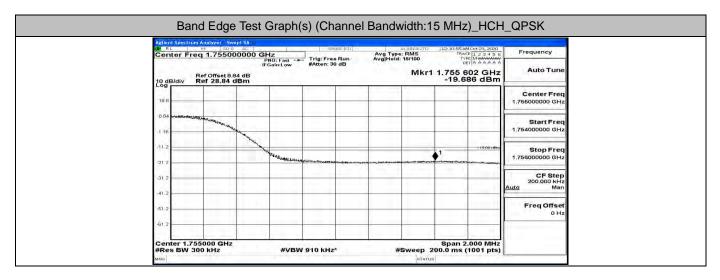




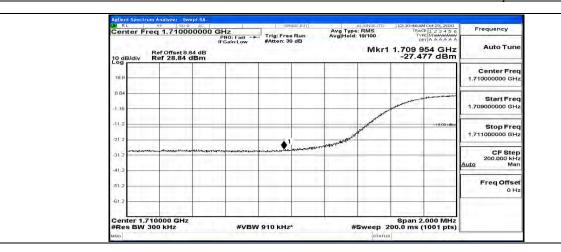
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

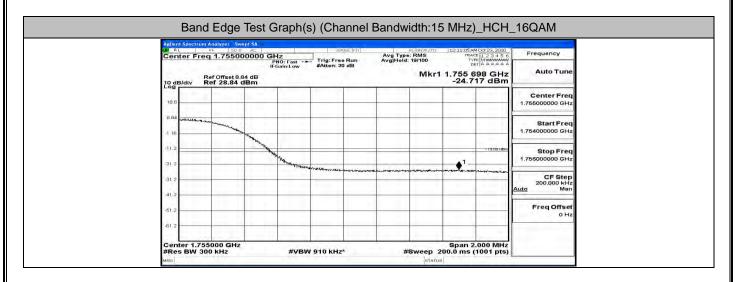


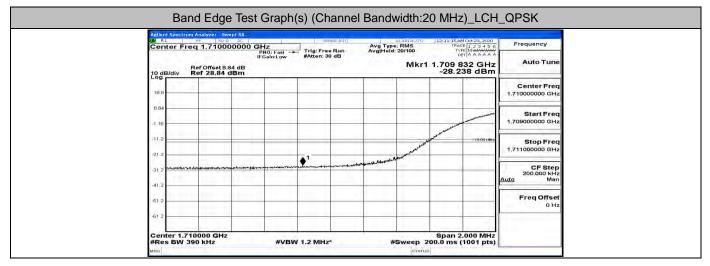




Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM





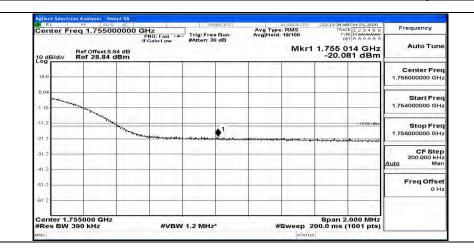


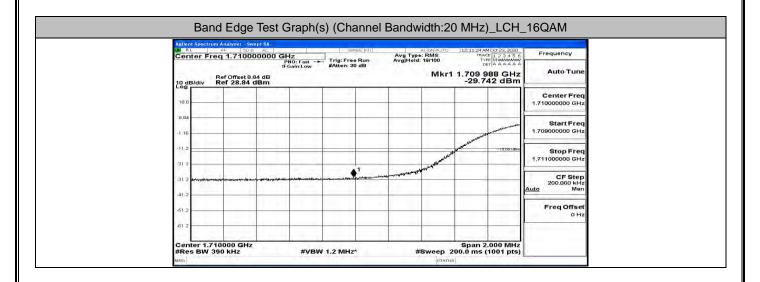
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK

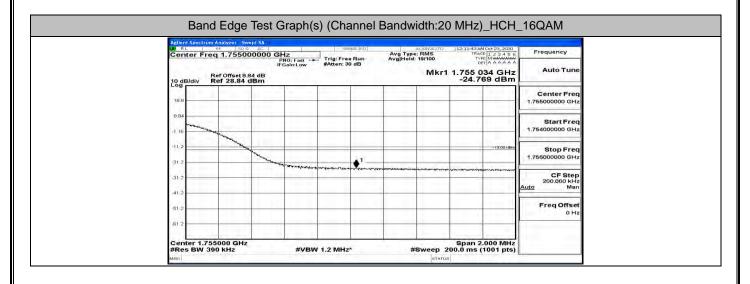
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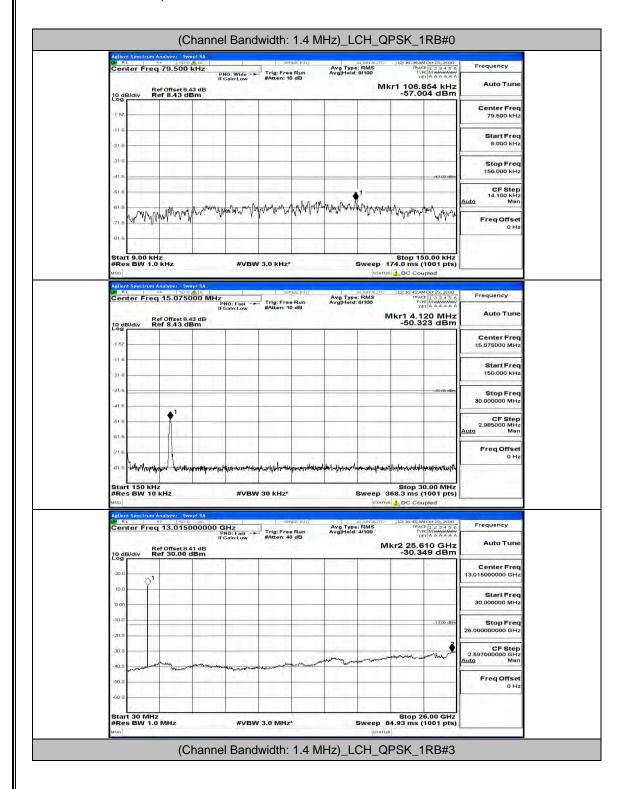
Report No.: LCS201009109AEG

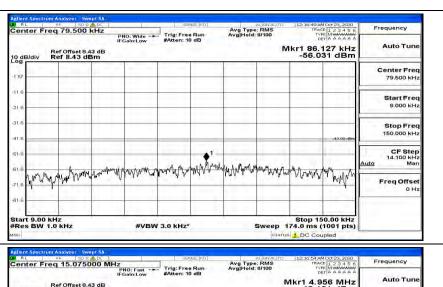


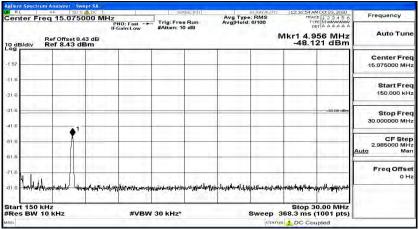




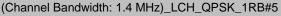
E.5 Conducted Spurious Emission Channel Bandwidth: 1.4 MHz

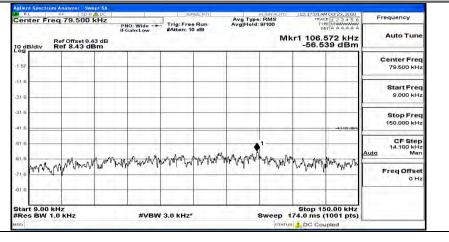


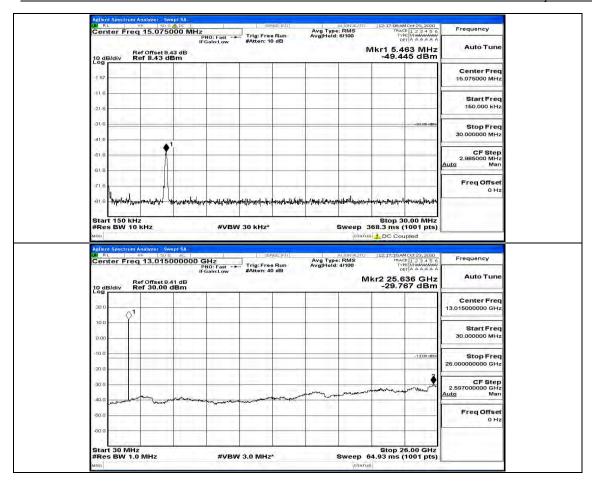


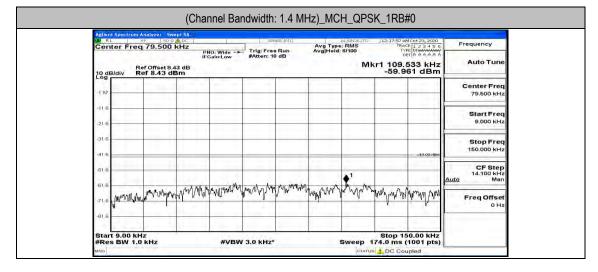










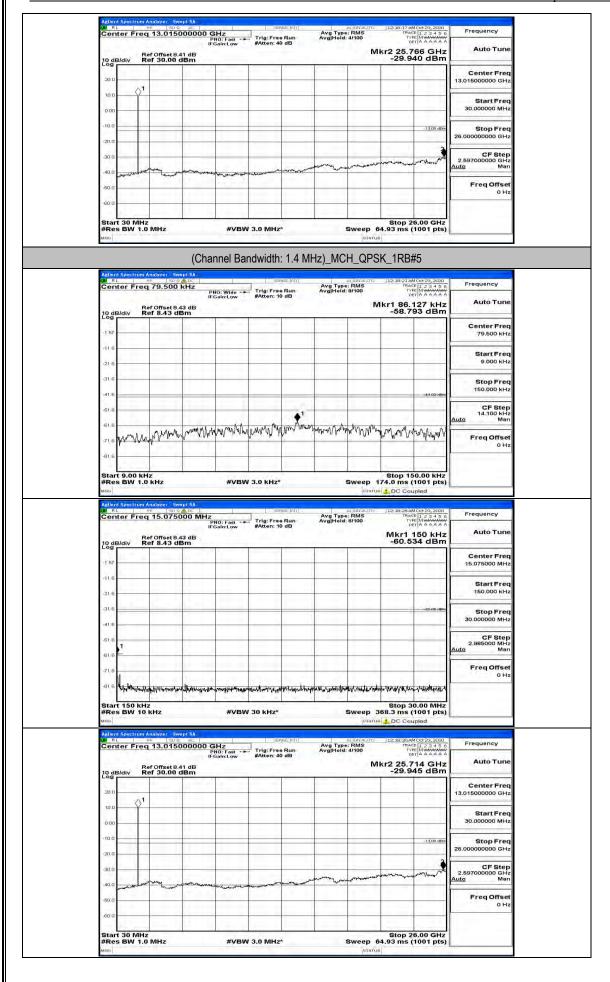


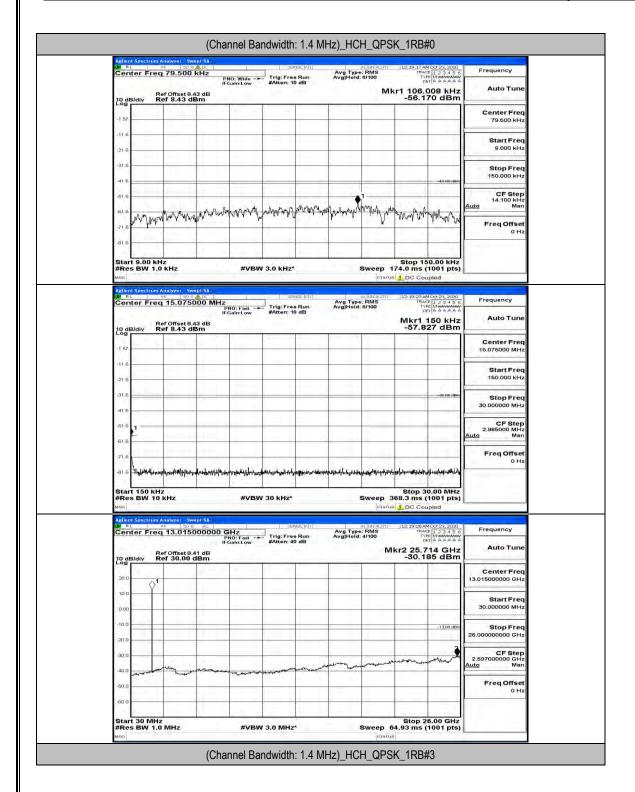
Stop 30.00 MHz Sweep 368.3 ms (1001 pts)

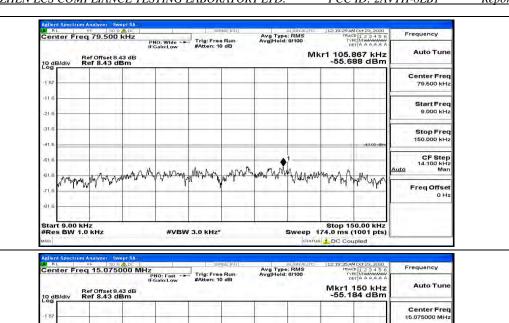
Start 150 kHz #Res BW 10 kHz

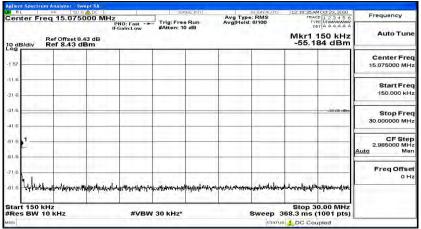
#VBW 30 kHz*

Freq Offse

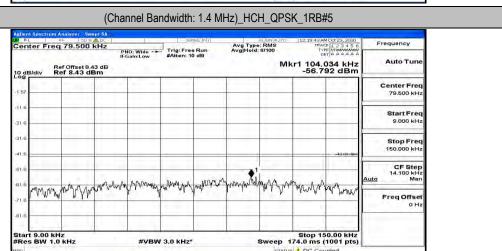


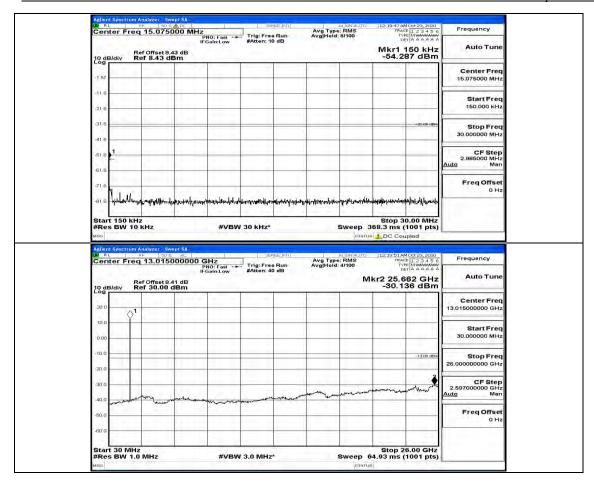


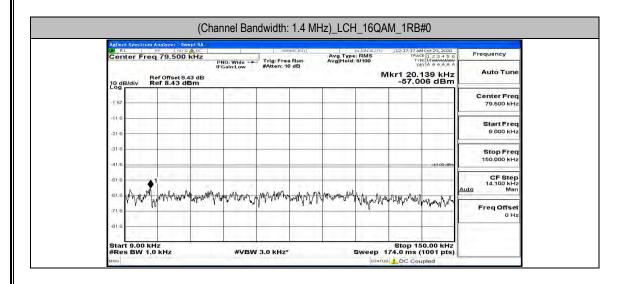










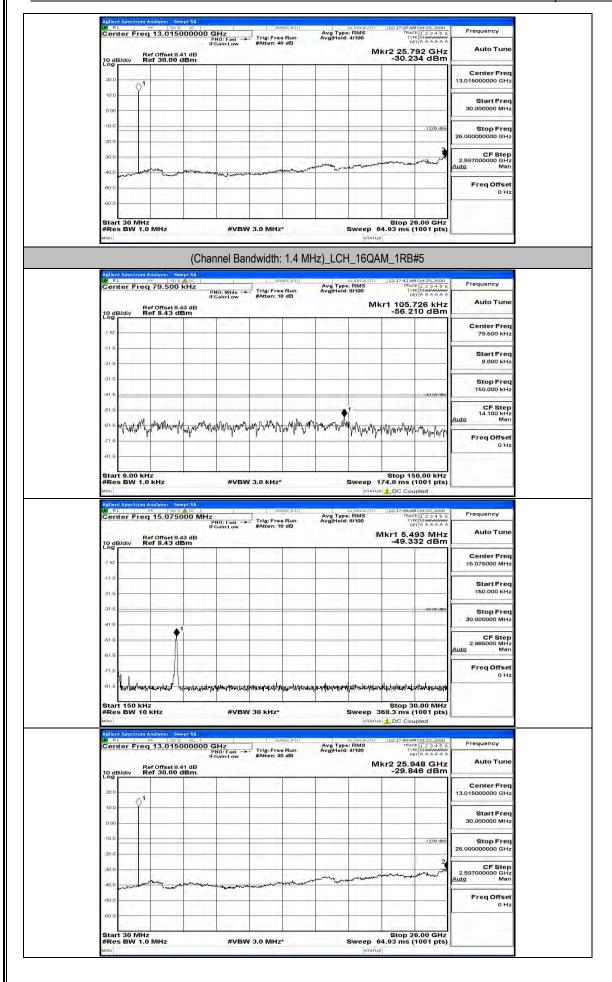


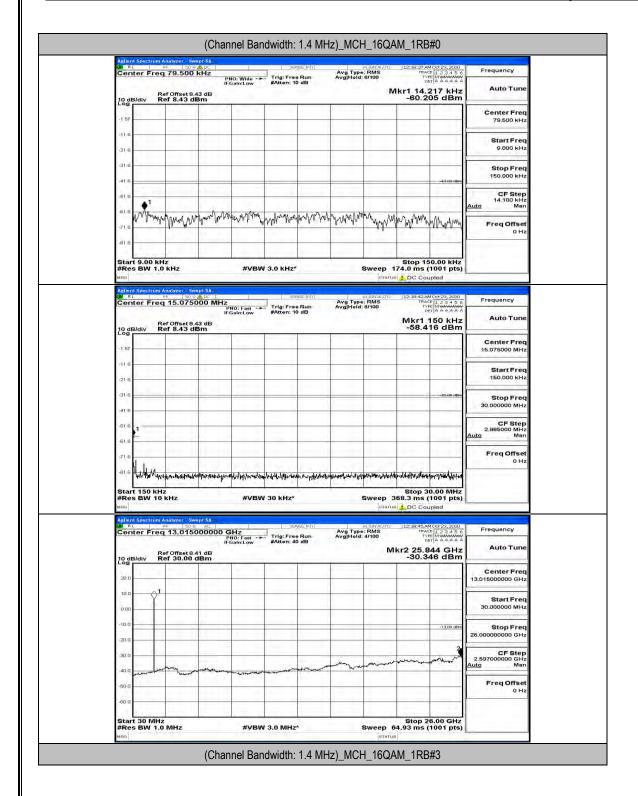
Stop 30.00 MHz Sweep 368.3 ms (1001 pts)

Start 150 kHz #Res BW 10 kHz

#VBW 30 kHz*

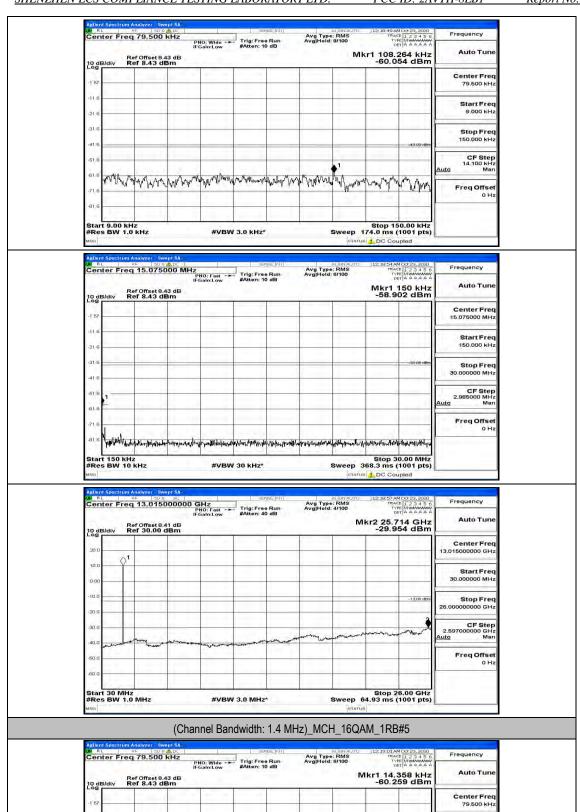
Freq Offse





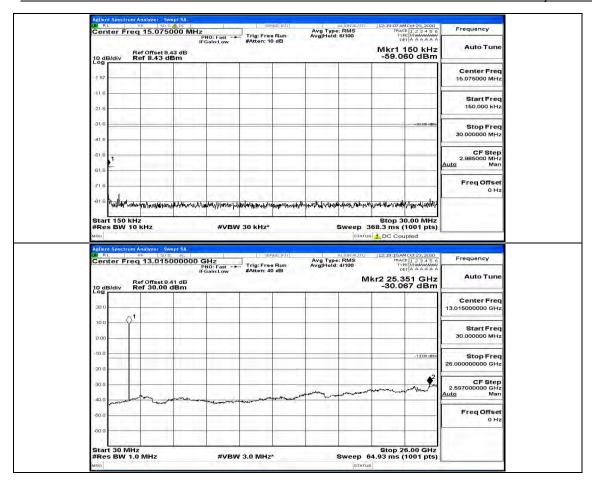
Start 9.00 kHz #Res BW 1.0 kHz

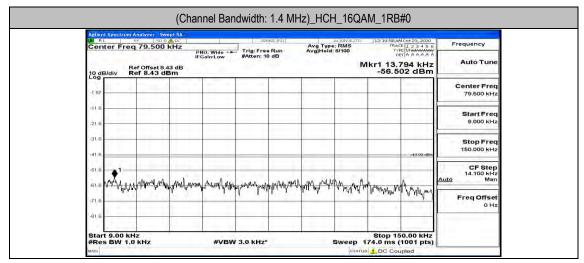
#VBW 3.0 kHz*



Stop 150.00 kHz Sweep 174.0 ms (1001 pts) Start Fred 9.000 kHz

Stop Fre-150.000 kH



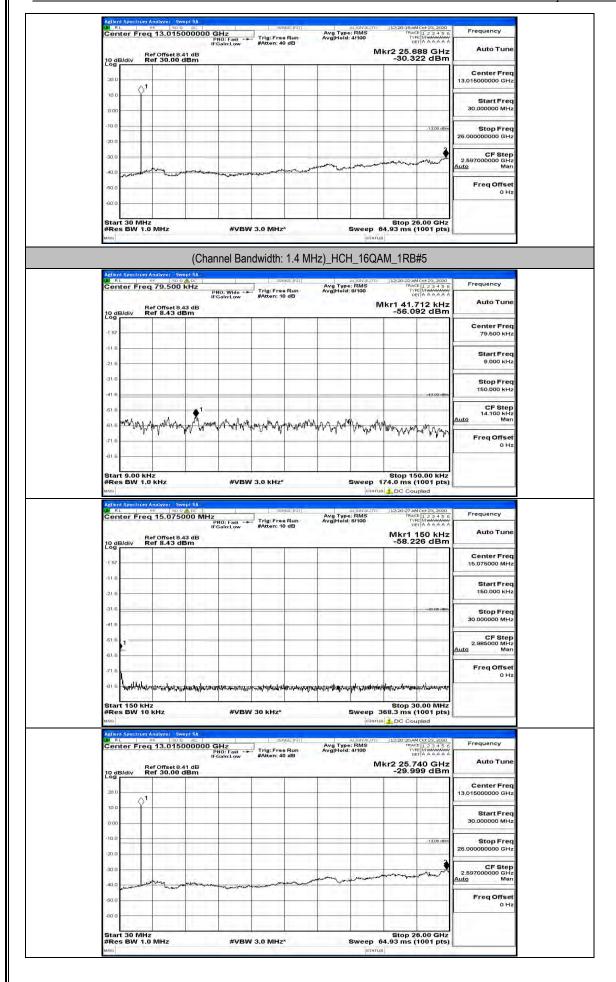


Stop 30.00 MHz Sweep 368.3 ms (1001 pts)

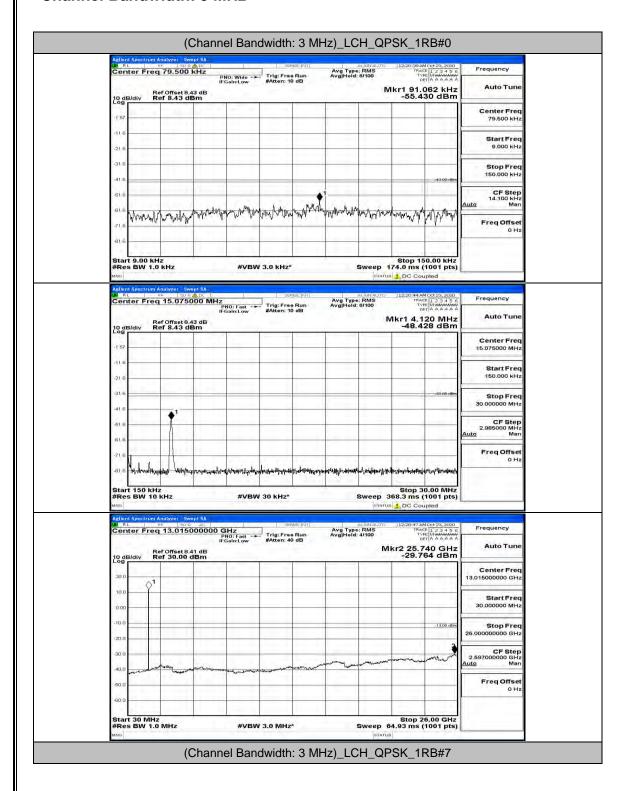
Start 150 kHz #Res BW 10 kHz

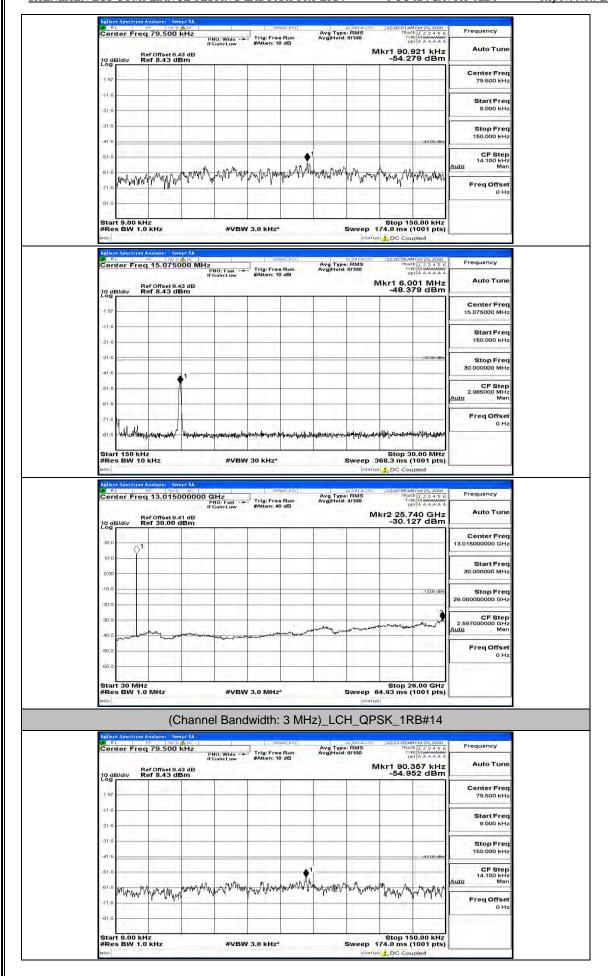
#VBW 30 kHz*

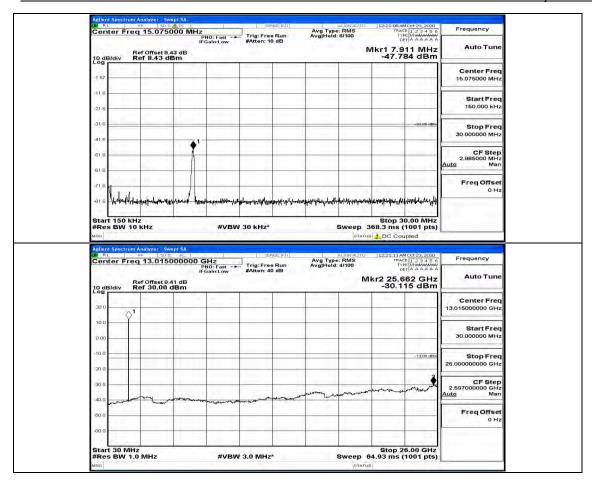
CF Step 2.985000 MHz Man

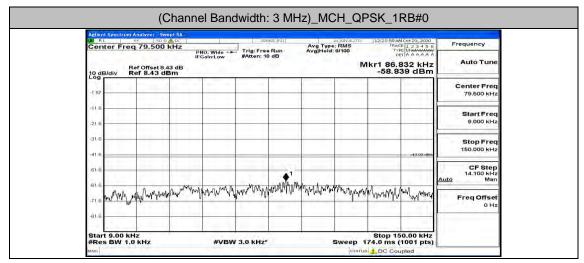


Channel Bandwidth: 3 MHz





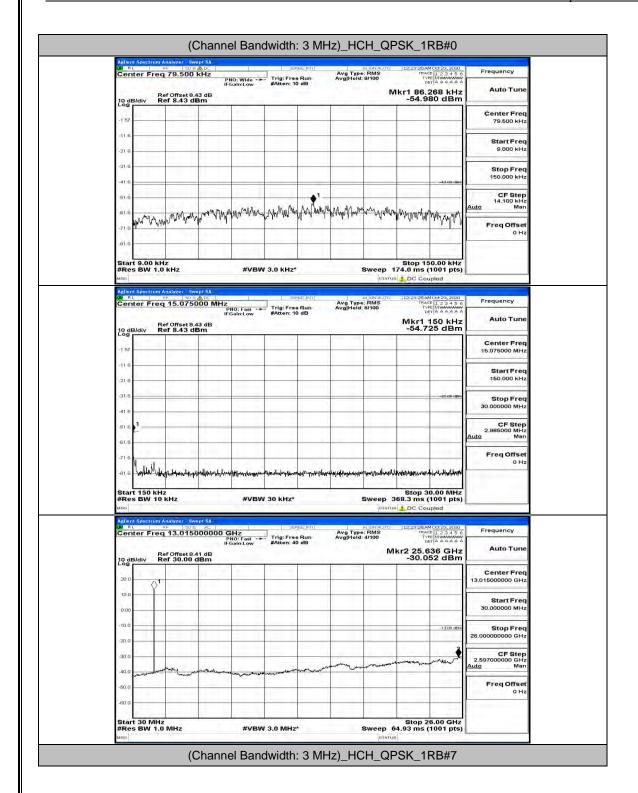


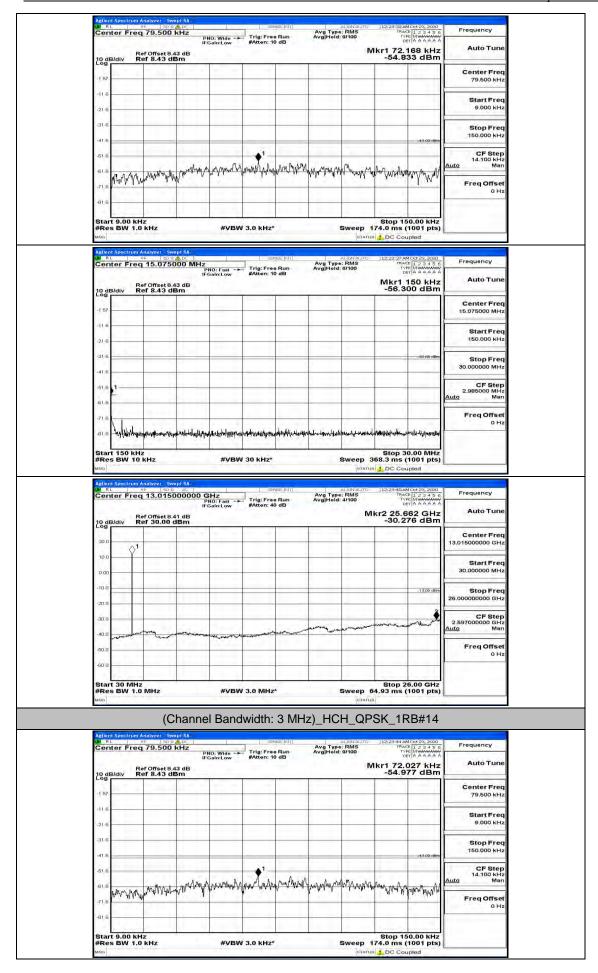


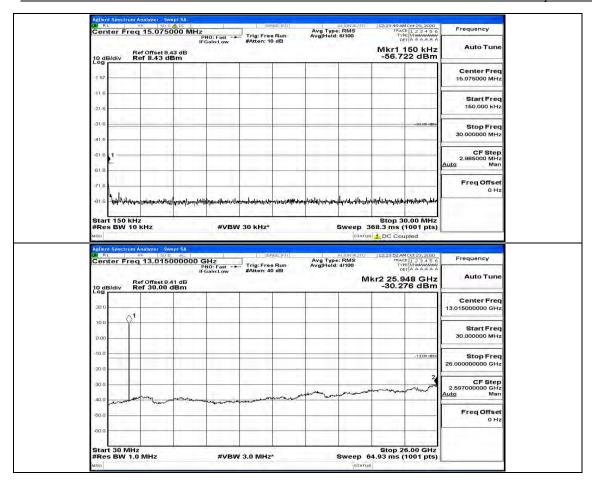
FCC ID: 2AVTH-8LB1

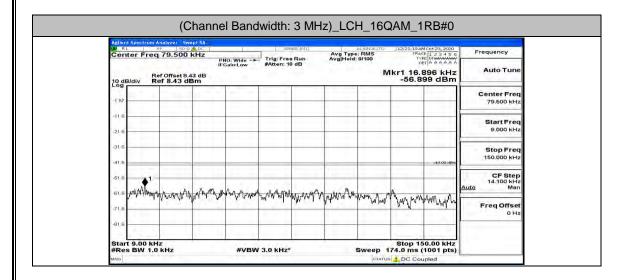
Report No.: LCS201009109AEG

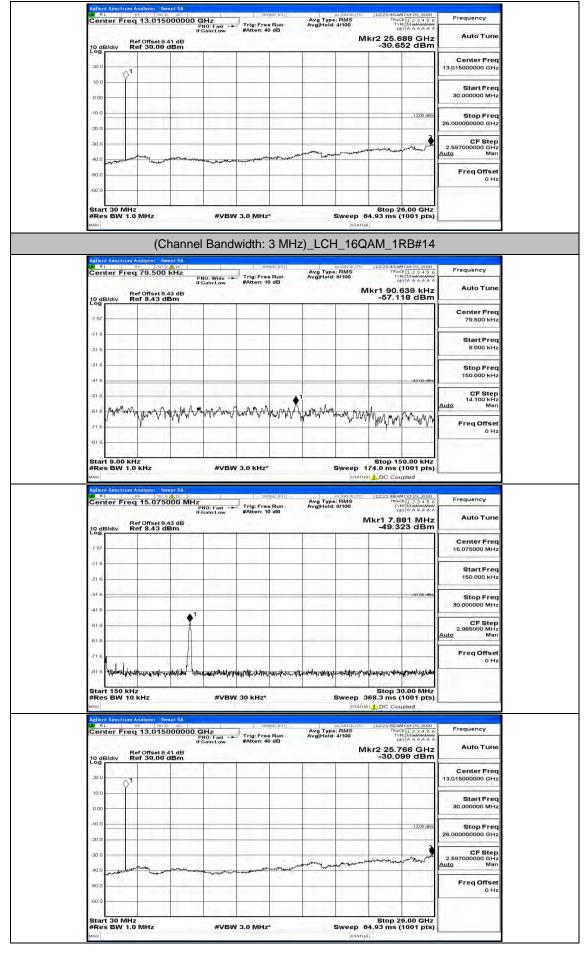
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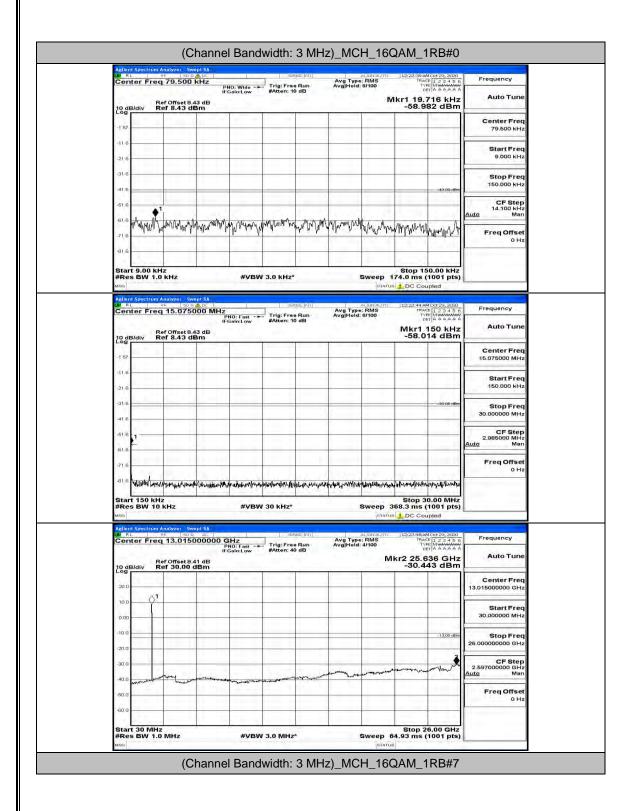


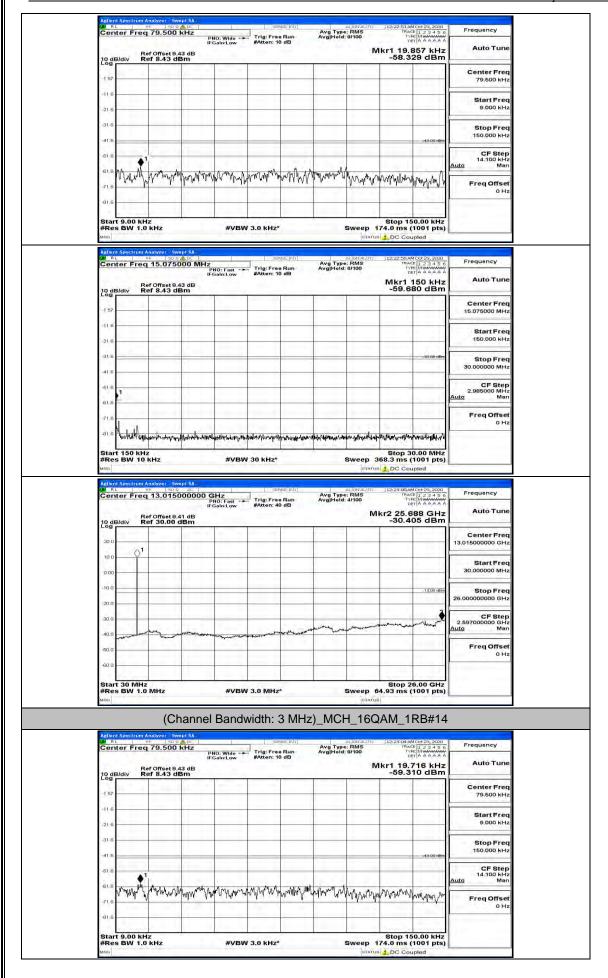


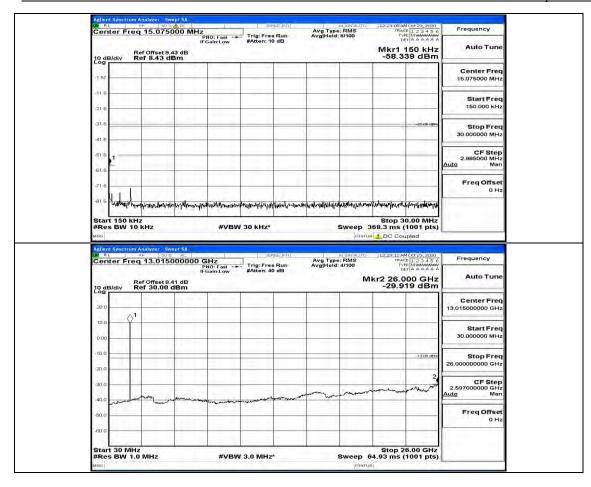


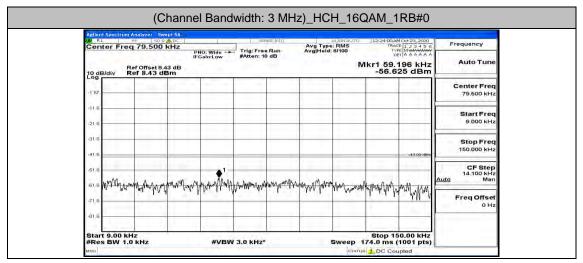








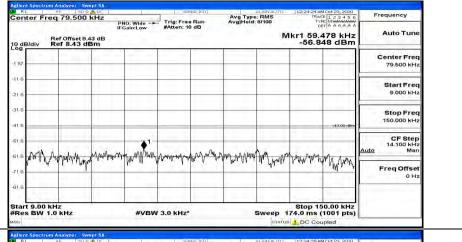


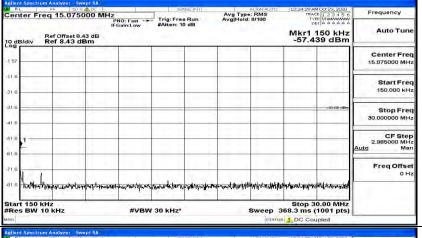


FCC ID: 2AVTH-8LB1

Report No.: LCS201009109AEG

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Channel Bandwidth: 5 MHz

