Appendix D: Test Data for E-UTRA Band 2

Product Name: 7 inch 4G Tablet Trade Mark: LOGIC, iSWAG, UNONU **Test Model: T4G**

Environmental Conditions

Temperature:	23.2° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

D.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 ==li =4		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	22.91	23.11	PASS		
		1	3	22.91	23.10	PASS		
		1	5	22.85	23.08	PASS		
	LCH	3	0	22.93	22.14	PASS		
		3	2	23.01	22.10	PASS		
		3	3	22.82	22.06	PASS		
		6	0	21.95	21.05	PASS		
		1	0	22.95	22.17	PASS		
	MCH	1	3	22.99	22.16	PASS		
QPSK /		1	5	22.90	22.15	PASS		
16QAM		3	0	23.03	21.99	PASS		
IOQAW		3	2	23.06	21.98	PASS		
		3	3	23.10	21.99	PASS		
		6	0	21.97	20.86	PASS		
		1	0	22.45	21.75	PASS		
		1	3	22.52	21.75	PASS		
		1	5	22.50	21.76	PASS		
	HCH	3	0	22.61	21.52	PASS		
		3	2	22.61	21.55	PASS		
		3	3	22.53	21.55	PASS		
		6	0	21.60	20.77	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)								
Modulation	Channel	RB Configuration Size Offset		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict		
		1	0	22.88	22.99	PASS		
		1	7	22.81	22.92	PASS		
		1	14	22.75	22.90	PASS		
	LCH	8	0	21.79	20.88	PASS		
		8	4	21.89	20.87	PASS		
		8	7	21.88	20.87	PASS		
		15	0	21.89	20.97	PASS		
		1	0	22.83	22.42	PASS		
	МСН	1	7	22.84	22.45	PASS		
QPSK /		1	14	22.85	22.44	PASS		
16QAM		8	0	21.88	20.92	PASS		
IOQAW		8	4	21.89	21.02	PASS		
		8	7	21.84	20.92	PASS		
		15	0	21.92	21.01	PASS		
		1	0	22.51	22.37	PASS		
		1	7	22.52	22.39	PASS		
		1	14	22.54	22.36	PASS		
	HCH	8	0	21.59	20.69	PASS		
		8	4	21.53	20.58	PASS		
		8	7	21.64	20.58	PASS		
		15	0	21.58	20.56	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Madulation	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/a nali a t		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	22.91	22.82	PASS		
		1	12	22.71	22.77	PASS		
		1	24	22.70	22.70	PASS		
	LCH	12	0	21.80	21.22	PASS		
		12	6	21.83	21.08	PASS		
		12	13	21.75	21.01	PASS		
		25	0	21.76	20.96	PASS		
	мсн	1	0	22.96	22.69	PASS		
		1	12	22.93	22.80	PASS		
QPSK /		1	24	22.96	22.74	PASS		
16QAM		12	0	22.04	21.26	PASS		
TOQAM		12	6	22.00	21.23	PASS		
		12	13	21.94	21.21	PASS		
		25	0	22.02	21.20	PASS		
		1	0	22.43	20.90	PASS		
		1	12	22.41	21.05	PASS		
		1	24	22.47	20.95	PASS		
	HCH	12	0	21.51	20.72	PASS		
		12	6	21.49	20.70	PASS		
		12	13	21.46	20.75	PASS		
		25	0	21.53	20.74	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)								
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict		
		Size	Offset	QPSK	16QAM			
		1	0	22.78	22.97	PASS		
		1	24	22.61	22.68	PASS		
		1	49	22.66	22.69	PASS		
	LCH	25	0	21.89	20.94	PASS		
		25	12	21.65	20.84	PASS		
		25	25	21.65	20.76	PASS		
		50	0	21.78	20.85	PASS		
	мсн	1	0	22.75	22.79	PASS		
		1	24	22.75	22.85	PASS		
ODOK /		1	49	22.76	22.83	PASS		
QPSK /		25	0	21.87	21.01	PASS		
16QAM		25	12	21.85	20.99	PASS		
		25	25	21.87	21.00	PASS		
		50	0	21.89	21.14	PASS		
		1	0	22.49	22.04	PASS		
		1	24	22.45	21.99	PASS		
		1	49	22.54	22.12	PASS		
	нсн	25	0	21.48	20.66	PASS		
		25	12	21.47	20.64	PASS		
		25	25	21.62	20.64	PASS		
		50	0	21.58	20.65	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict		
		1	0	22.74	22.87	PASS		
		1	37	22.57	22.69	PASS		
		1	74	22.71	22.79	PASS		
	LCH	37	0	21.85	20.89	PASS		
		37	18	21.63	20.80	PASS		
		37	38	21.71	20.83	PASS		
		75	0	21.81	20.84	PASS		
		1	0	22.72	22.82	PASS		
	МСН	1	37	22.75	22.85	PASS		
QPSK /		1	74	22.71	22.80	PASS		
16QAM		37	0	21.85	21.01	PASS		
IOQAM		37	18	21.97	21.13	PASS		
		37	38	21.82	21.12	PASS		
		75	0	22.02	21.04	PASS		
		1	0	22.52	22.57	PASS		
		1	37	22.44	22.53	PASS		
		1	74	22.49	22.48	PASS		
	HCH	37	0	21.54	20.71	PASS		
		37	18	21.39	20.70	PASS		
		37	38	21.40	20.66	PASS		
		75	0	21.59	20.73	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)								
Marabaladian	Observat	RB Conf	figuration	Average Power [dBm]	Average Power [dBm]	\			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	23.05	21.93	PASS			
		1	49	22.93	21.90	PASS			
		1	99	23.17	22.07	PASS			
	LCH	50	0	21.69	20.85	PASS			
		50	25	21.79	20.81	PASS			
		50	50	21.78	20.88	PASS			
		100	0	21.80	20.81	PASS			
	MCH	1	0	23.11	21.59	PASS			
		1	49	23.16	21.66	PASS			
QPSK /		1	99	23.03	21.43	PASS			
16QAM		50	0	21.95	21.00	PASS			
TOQAM		50	25	21.92	21.04	PASS			
		50	50	21.85	20.94	PASS			
		100	0	21.88	21.02	PASS			
		1	0	22.97	21.53	PASS			
		1	49	22.81	21.33	PASS			
		1	99	22.76	21.24	PASS			
	HCH	50	0	21.72	20.74	PASS			
		50	25	21.57	20.64	PASS			
		50	50	21.60	20.66	PASS			
		100	0	21.60	20.71	PASS			

D.2 Peak-to-Average Ratio

Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
iviodulation	Griannei	[dB]	[dB]	verdict			
	LCH	5.49	<13	PASS			
QPSK	MCH	4.64	<13	PASS			
	HCH	4.81	<13	PASS			
	LCH	6.41	<13	PASS			
16QAM	MCH	5.61	<13	PASS			
	HCH	5.65	<13	PASS			

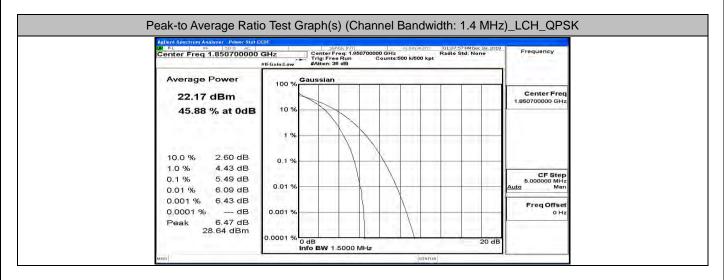
	Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
iviodulation	Griannei	[dB]	[dB]	verdict			
	LCH	5.44	<13	PASS			
QPSK	MCH	4.81	<13	PASS			
	HCH	4.93	<13	PASS			
	LCH	6.35	<13	PASS			
16QAM	MCH	5.66	<13	PASS			
	HCH	5.66	<13	PASS			

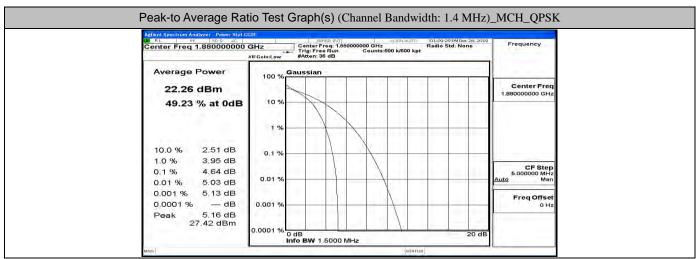
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict		
Modulation	Griannei	[dB]	[dB]	verdict		
	LCH	5.4	<13	PASS		
QPSK	MCH	4.72	<13	PASS		
	HCH	4.72	<13	PASS		
	LCH	6.19	<13	PASS		
16QAM	MCH	5.46	<13	PASS		
	HCH	5.47	<13	PASS		

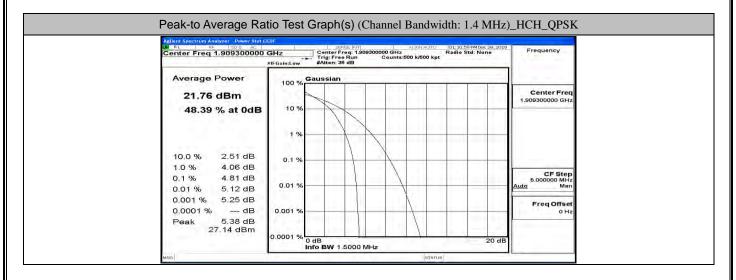
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Griannei	[dB]	[dB]	verdict			
	LCH	5.4	<13	PASS			
QPSK	MCH	4.96	<13	PASS			
	HCH	4.93	<13	PASS			
	LCH	6.1	<13	PASS			
16QAM	MCH	5.69	<13	PASS			
	HCH	5.65	<13	PASS			

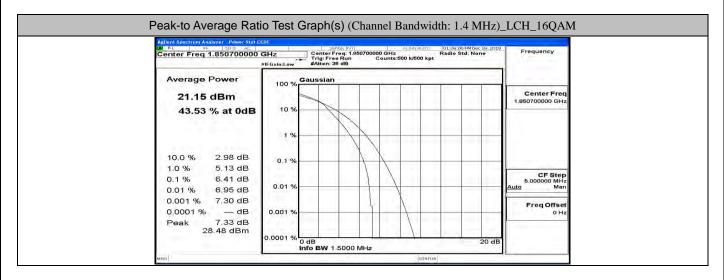
	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Vordict				
Modulation	Chame	[dB]	[dB]	Verdict				
	LCH	4.96	<13	PASS				
QPSK	MCH	4.96	<13	PASS				
	HCH	4.9	<13	PASS				
	LCH	6.19	<13	PASS				
16QAM	MCH	6.11	<13	PASS				
	HCH	6.02	<13	PASS				

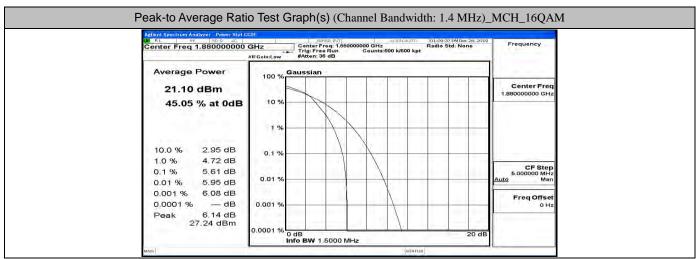
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict	
		[dB]	[dB]		
QPSK	LCH	5.68	<13	PASS	
	MCH	5.71	<13	PASS	
	HCH	5.67	<13	PASS	
16QAM	LCH	6.73	<13	PASS	
	MCH	6.7	<13	PASS	
	HCH	6.58	<13	PASS	

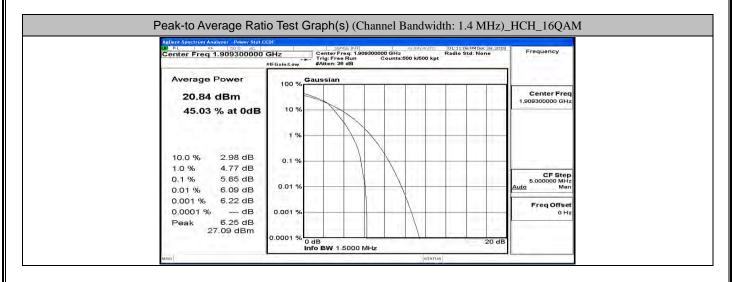


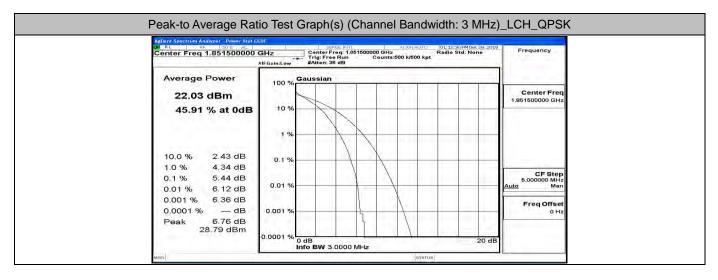


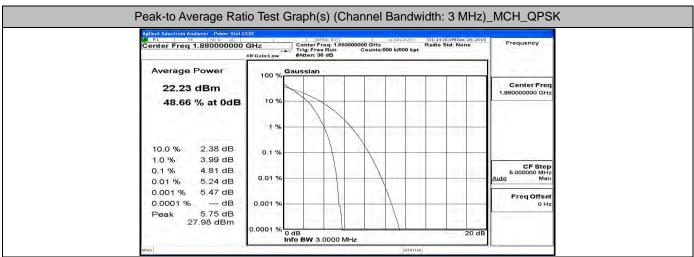


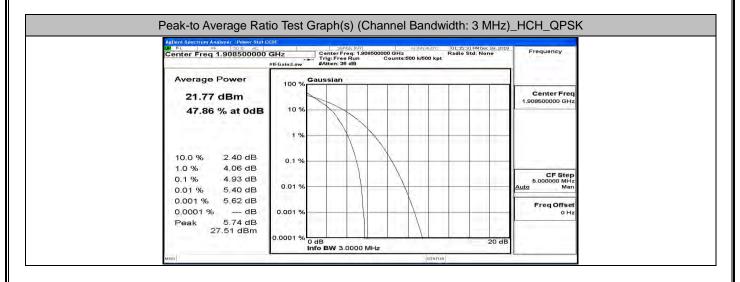


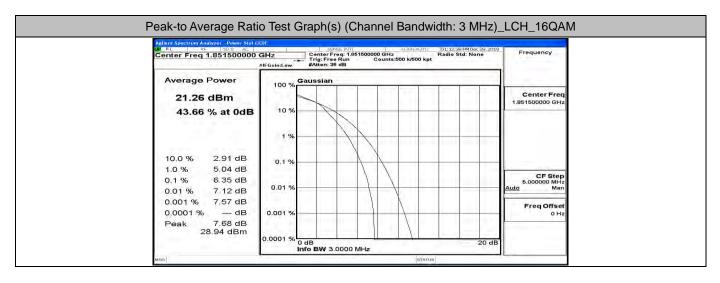


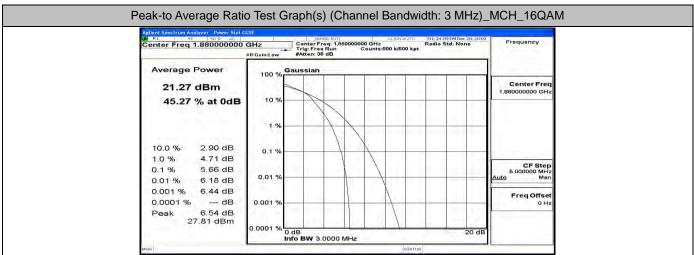


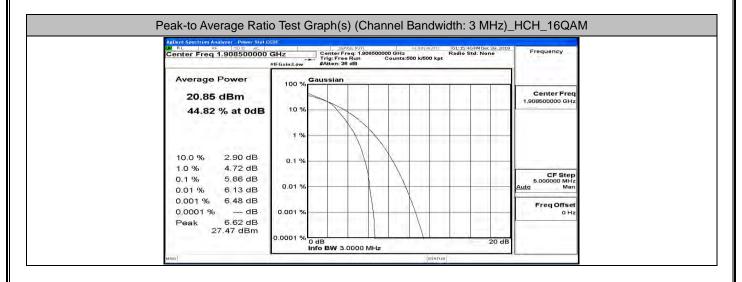


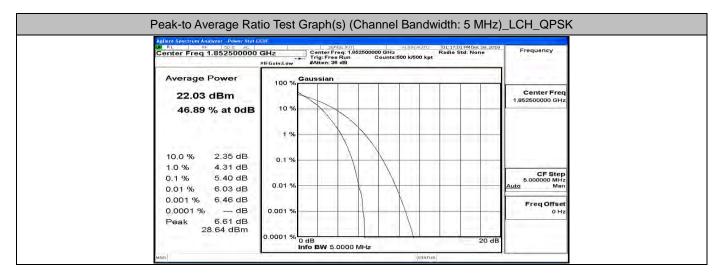


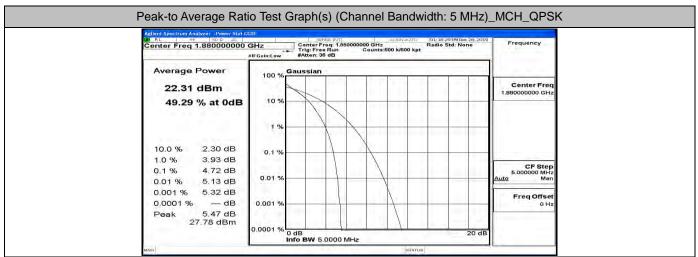


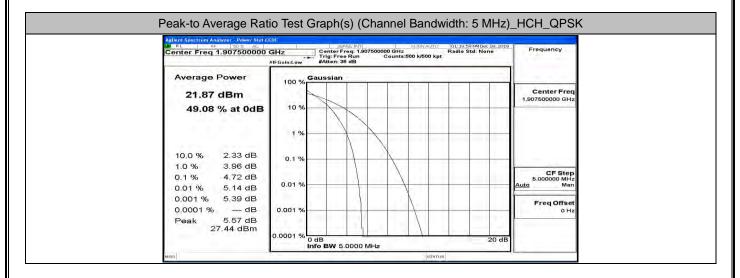


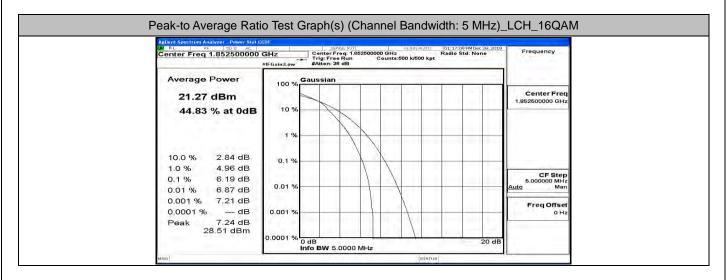


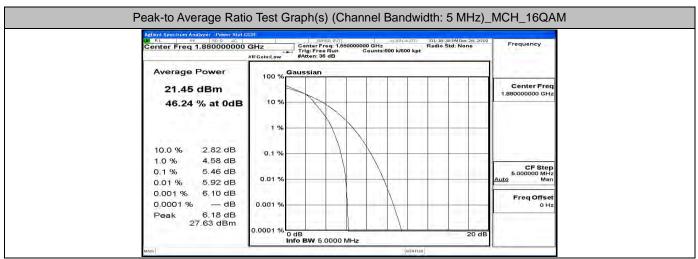


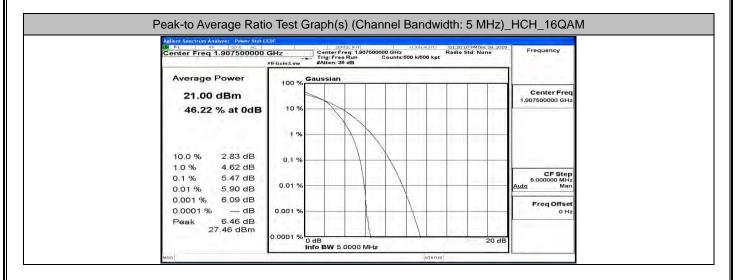


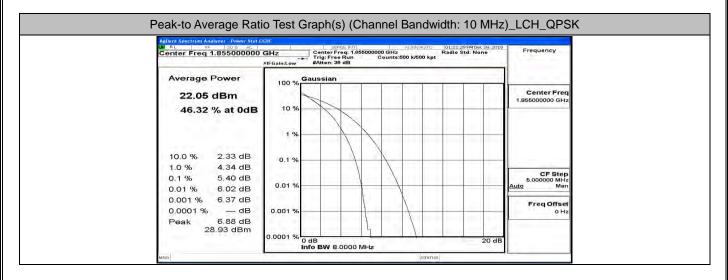


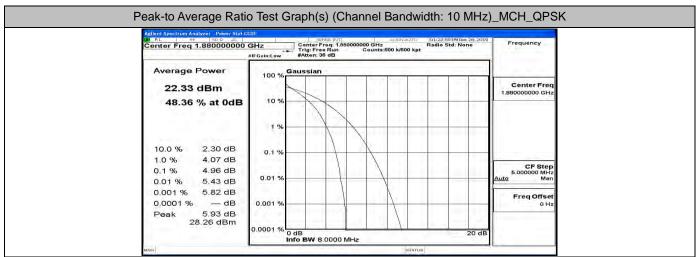


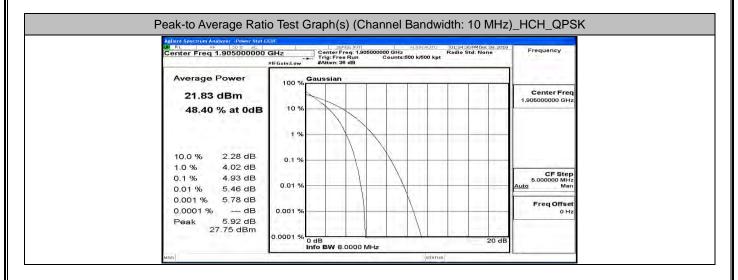


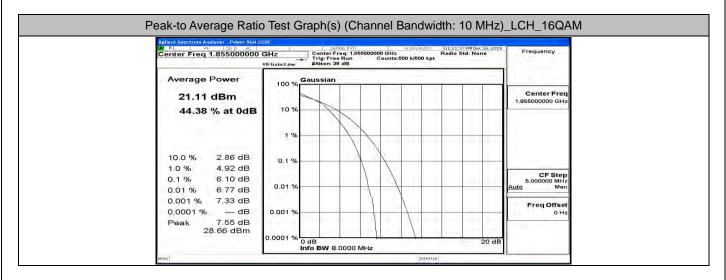


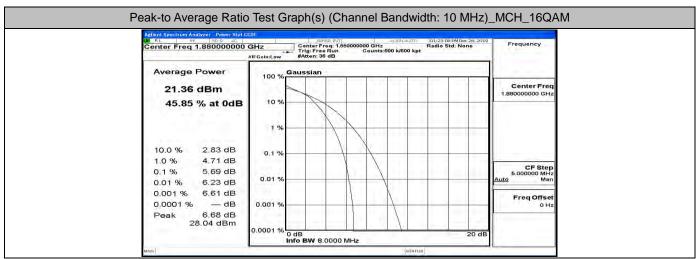


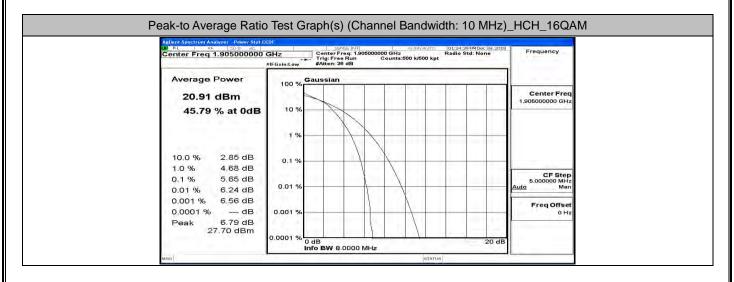


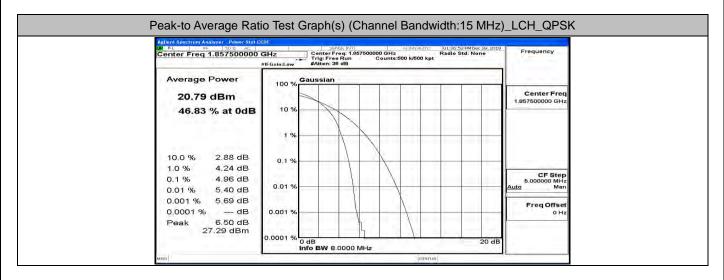


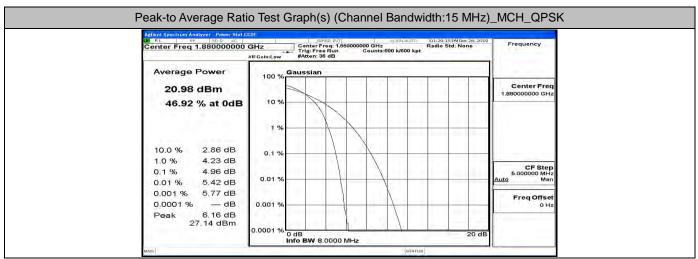


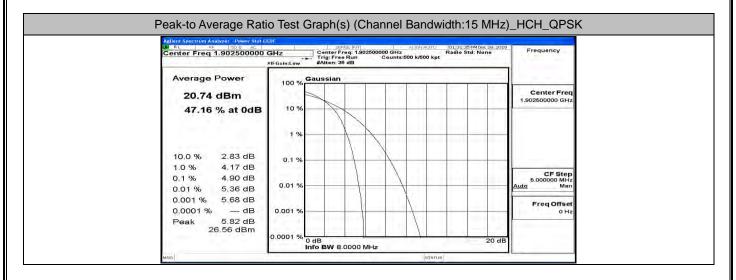


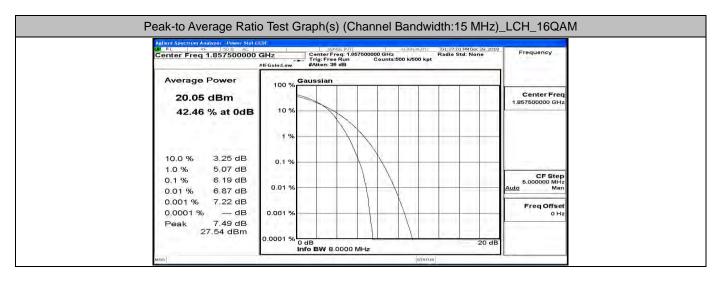


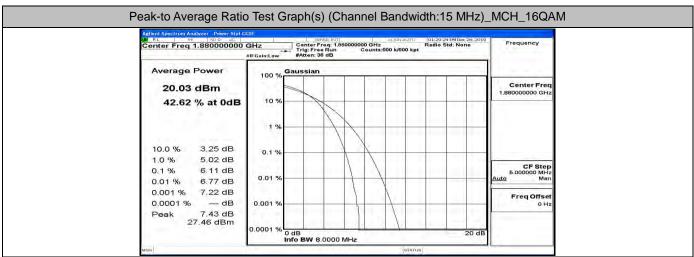


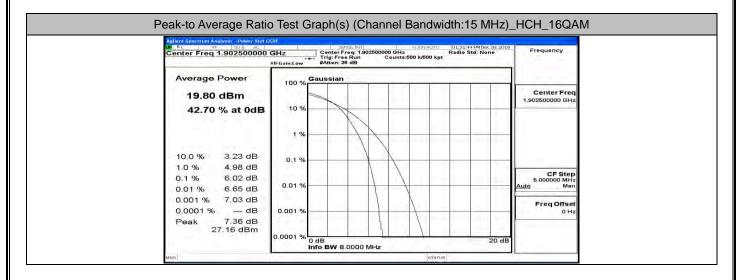


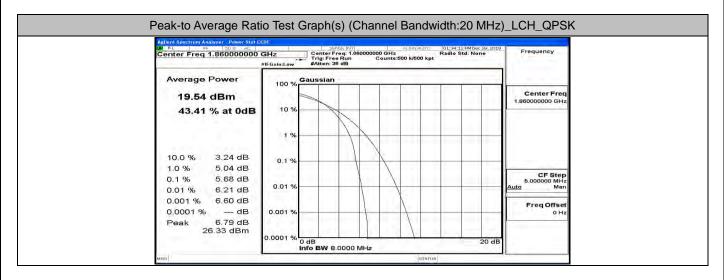


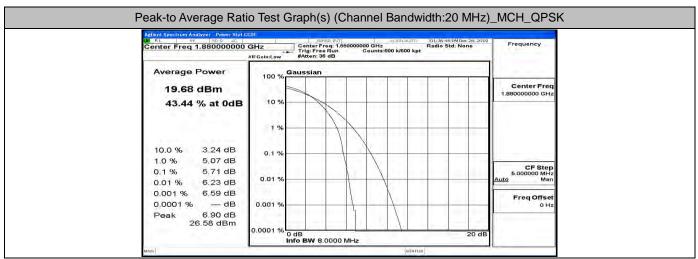


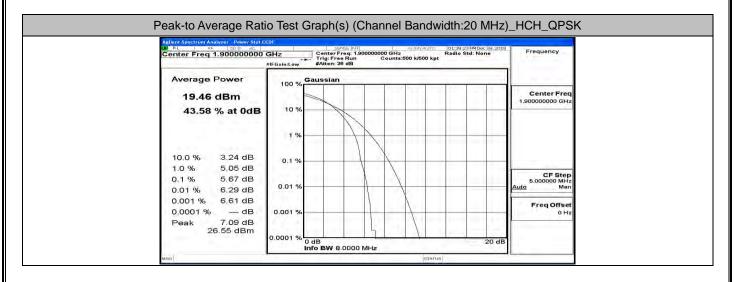


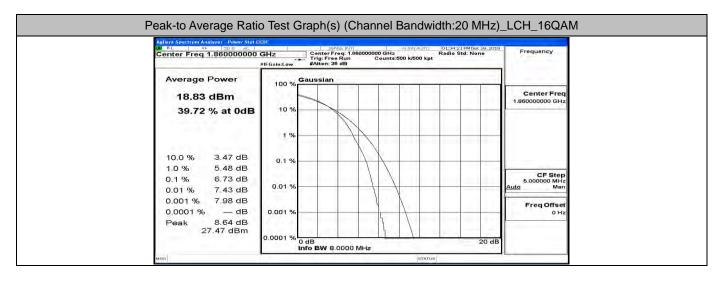


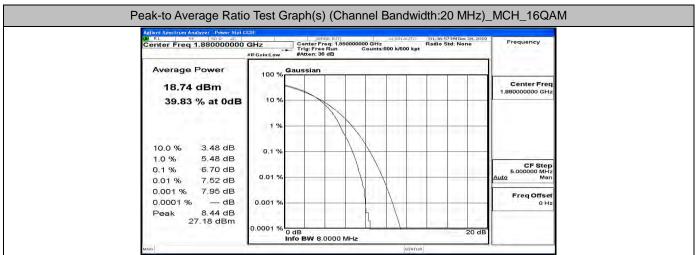


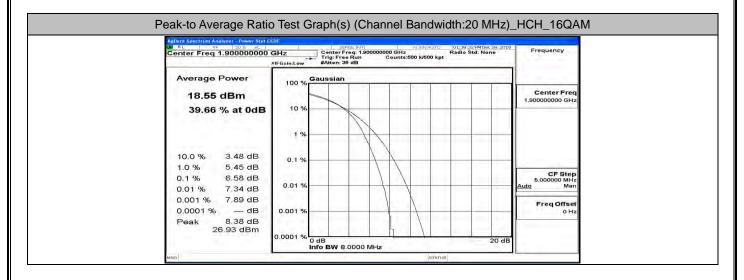












D.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)					
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict	
QPSK	LCH	1.0784	1.249	PASS	
	MCH	1.0764	1.225	PASS	
	HCH	1.0783	1.221	PASS	
16QAM	LCH	1.0804	1.220	PASS	
	MCH	1.0779	1.217	PASS	
	HCH	1.0754	1.256	PASS	

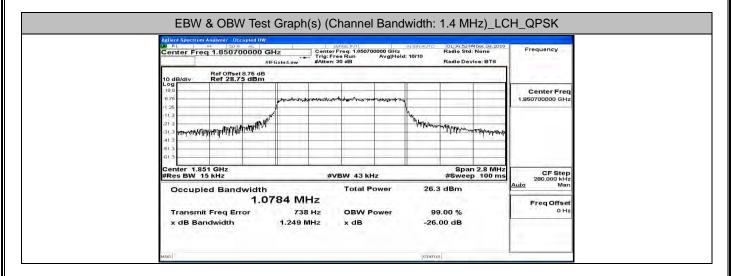
EBW & OBW Test Result (Channel Bandwidth: 3 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	2.6791	2.959	PASS	
	MCH	2.6873	2.974	PASS	
	HCH	2.6855	2.957	PASS	
16QAM	LCH	2.6865	2.985	PASS	
	MCH	2.6863	2.980	PASS	
	HCH	2.6857	3.037	PASS	

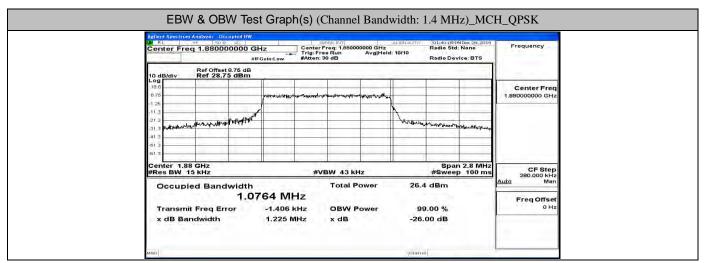
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	4.4708	4.809	PASS	
	MCH	4.4793	4.791	PASS	
	HCH	4.4719	4.883	PASS	
16QAM	LCH	4.4700	4.816	PASS	
	MCH	4.4708	4.848	PASS	
	HCH	4.4715	4.833	PASS	

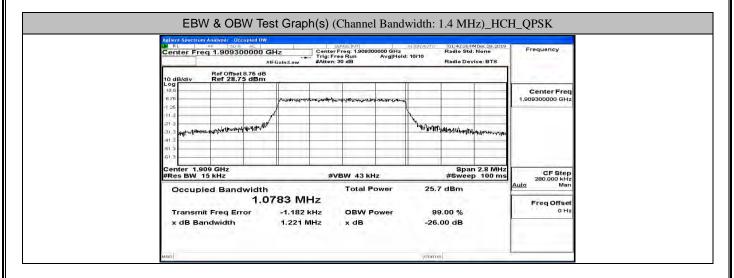
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
Modulation		(MHz)	(MHz)		
QPSK	LCH	8.9334	9.660	PASS	
	MCH	8.9509	9.591	PASS	
	HCH	8.9283	9.538	PASS	
16QAM	LCH	8.9404	9.427	PASS	
	MCH	8.9369	9.558	PASS	
	HCH	8.9509	9.518	PASS	

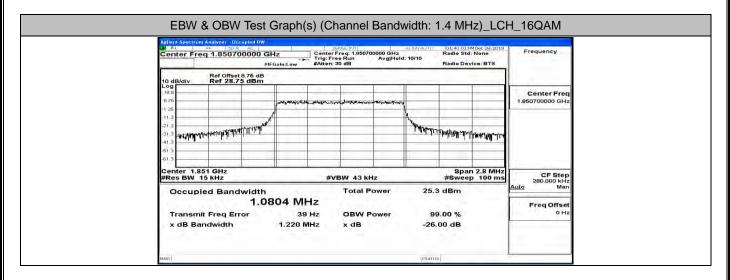
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	13.397	14.11	PASS	
	MCH	13.401	14.23	PASS	
	HCH	13.381	14.05	PASS	
16QAM	LCH	13.384	14.19	PASS	
	MCH	13.401	14.16	PASS	
	HCH	13.379	14.06	PASS	

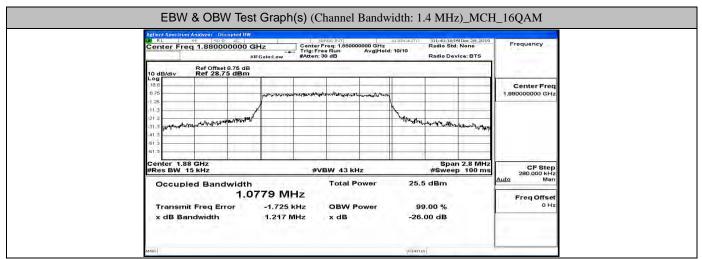
EBW & OBW Test Result (Channel Bandwidth: 20 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict	
		(MHz)	(MHz)		
QPSK	LCH	17.862	18.72	PASS	
	MCH	17.900	18.76	PASS	
	HCH	17.857	18.67	PASS	
16QAM	LCH	17.873	18.70	PASS	
	MCH	17.899	18.78	PASS	
	HCH	17.830	18.72	PASS	

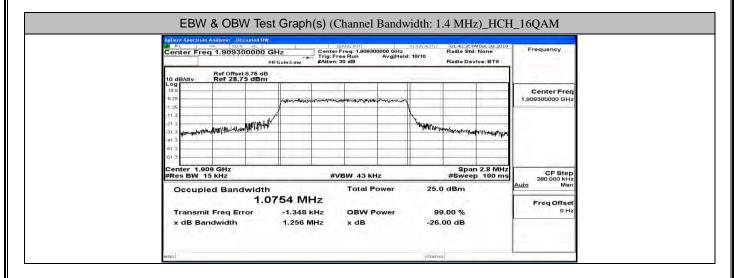


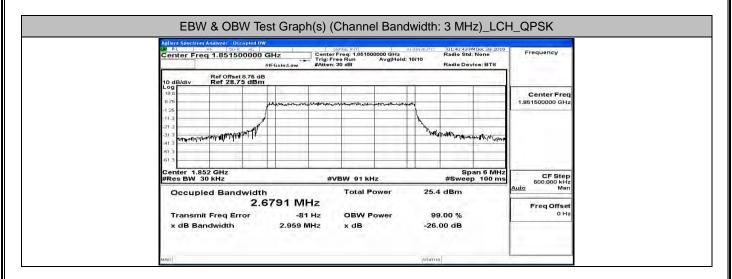


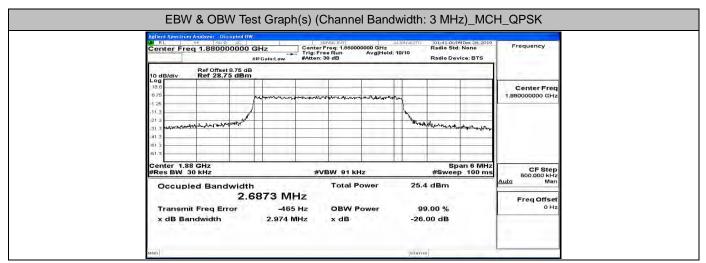


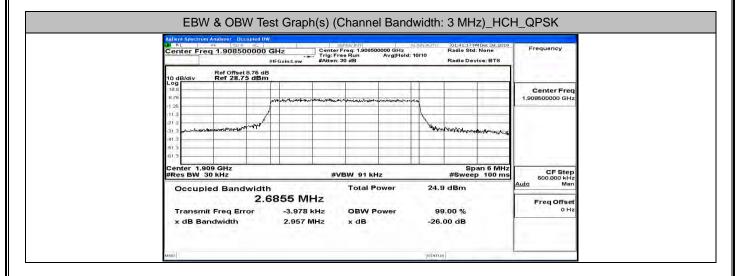


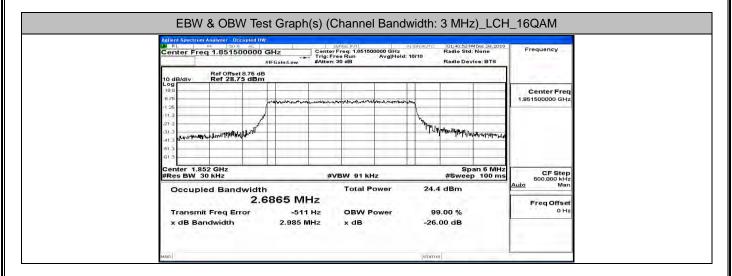


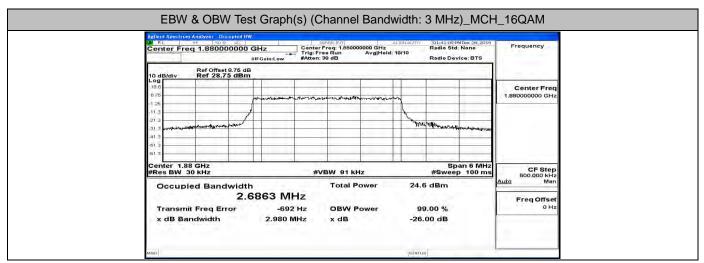


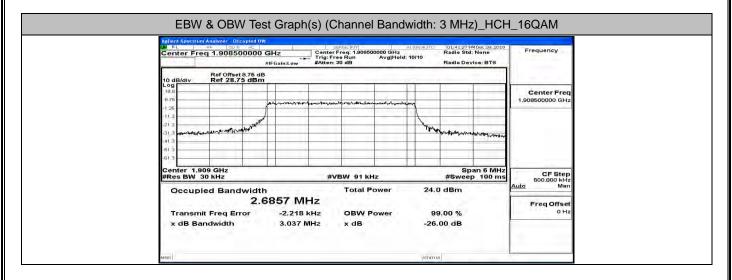


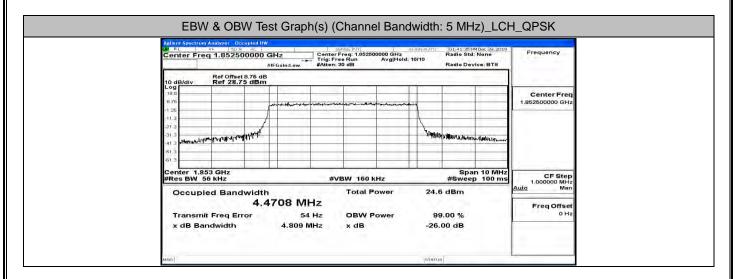


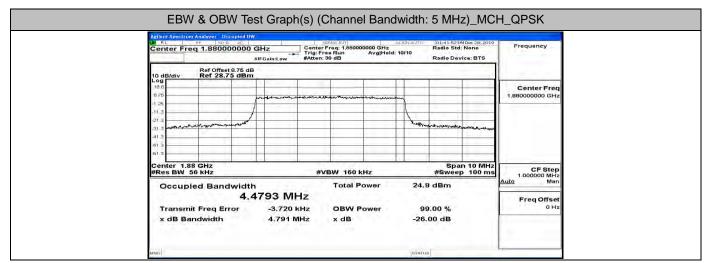


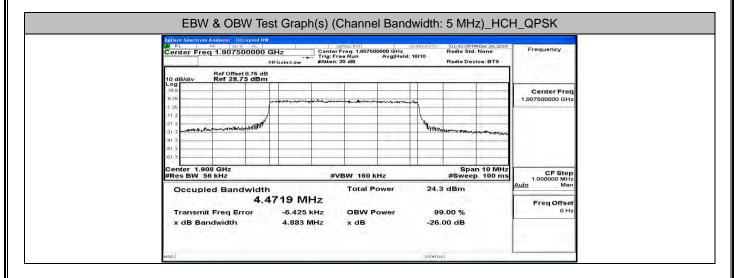


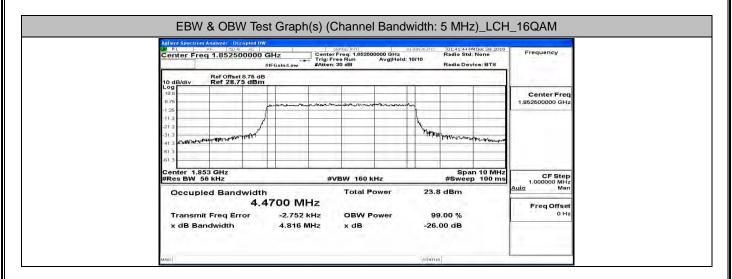


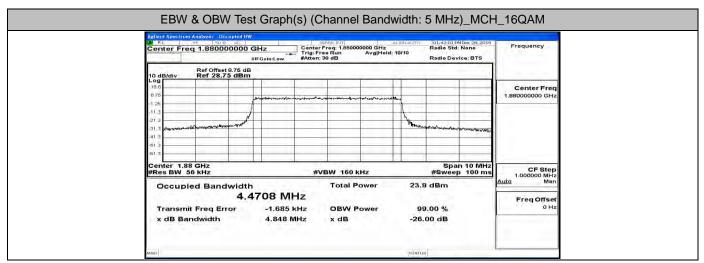


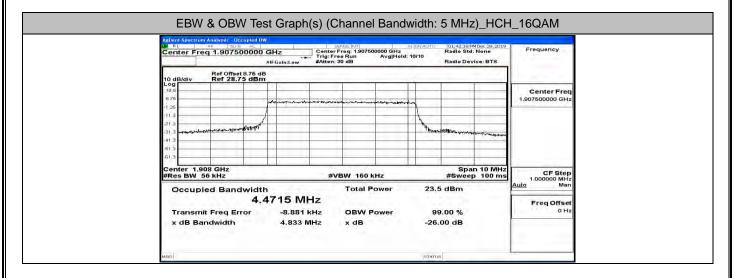


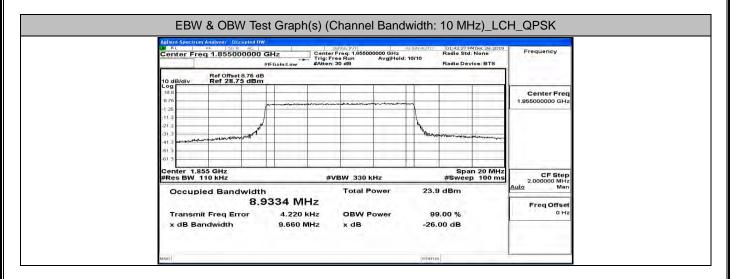


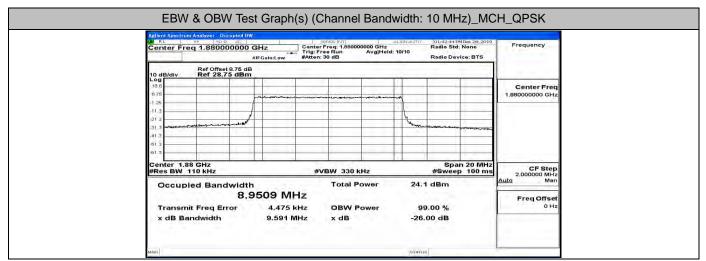


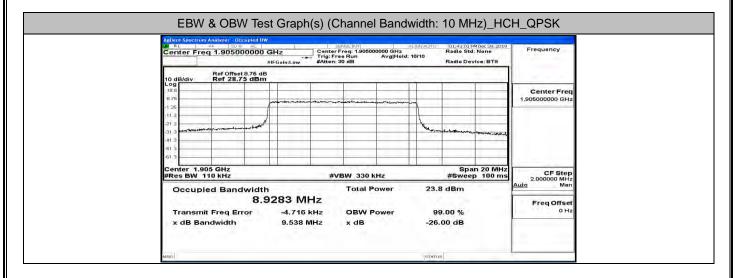


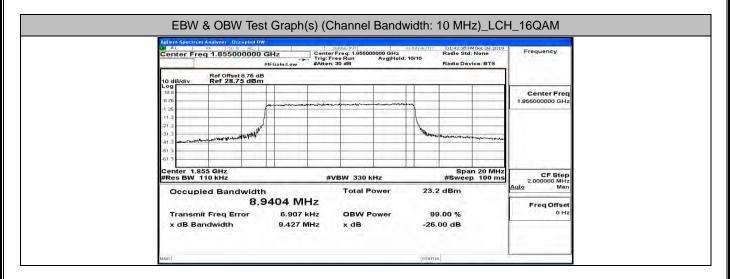


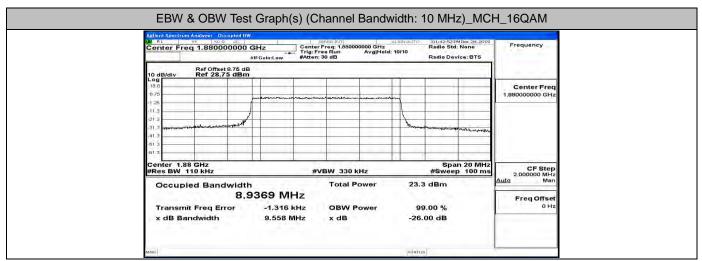


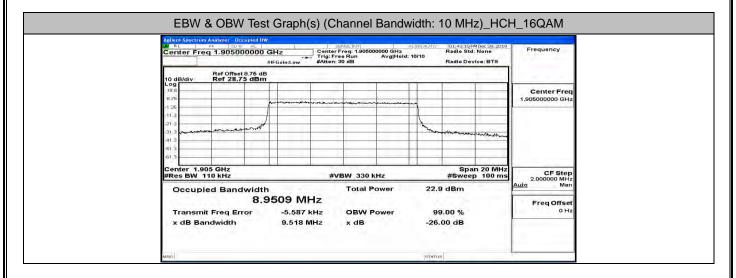


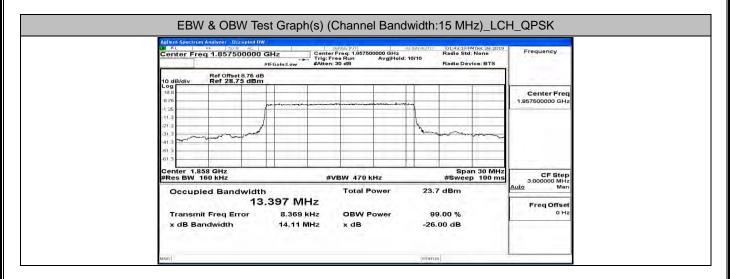


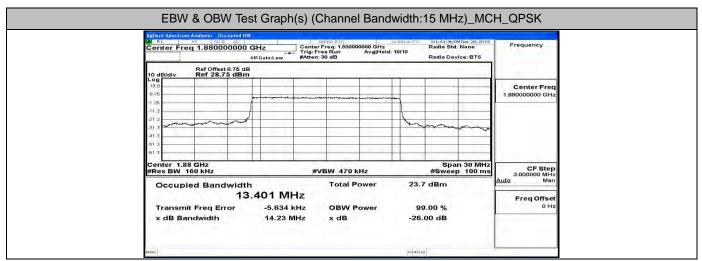


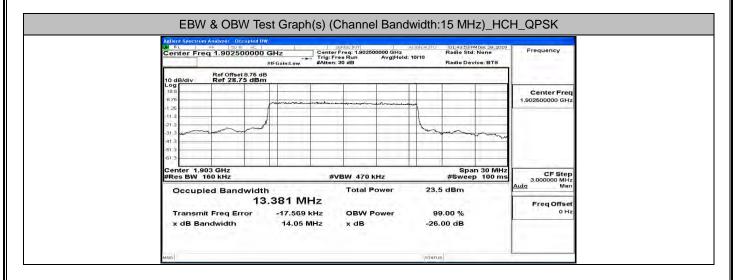


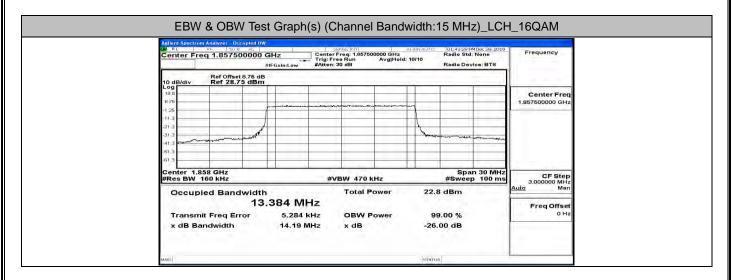


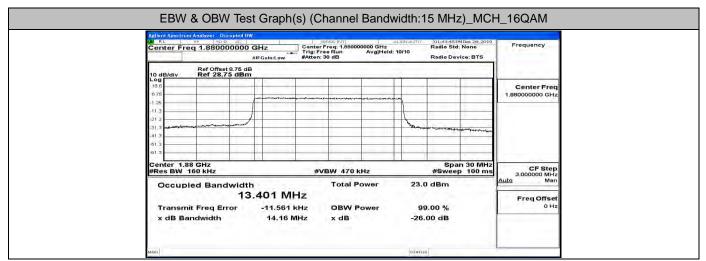


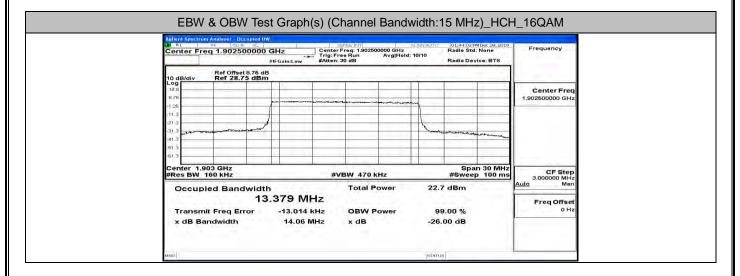


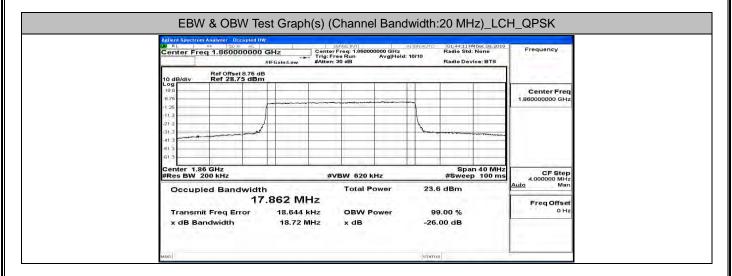


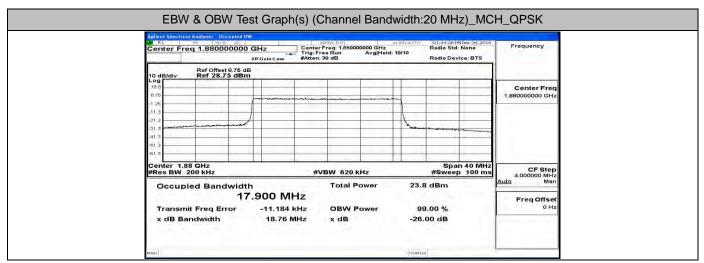


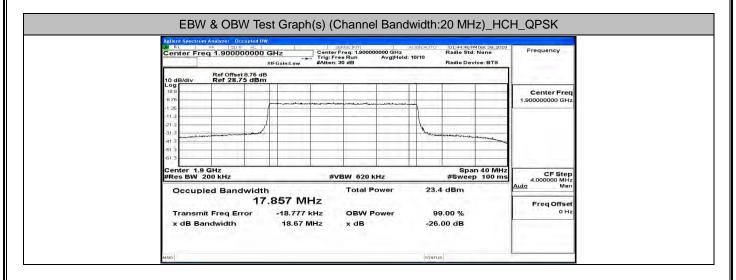


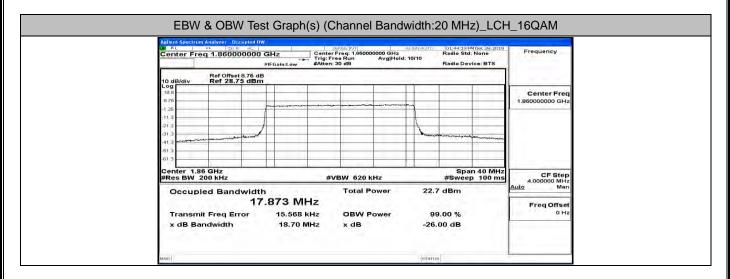


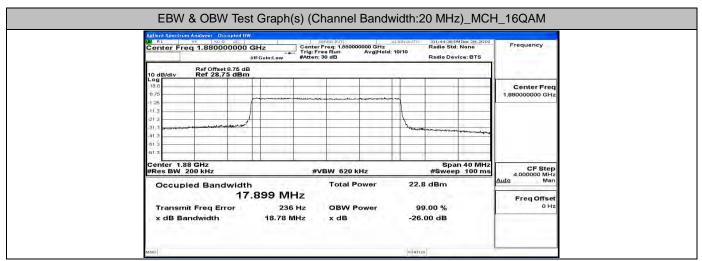


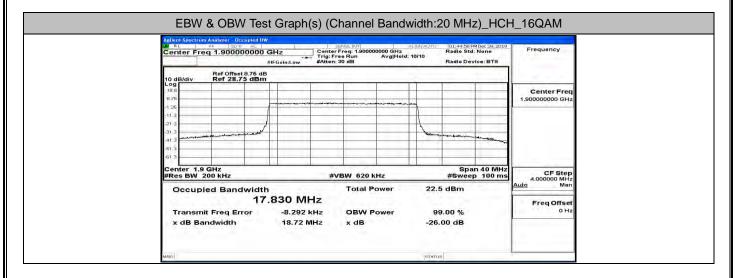




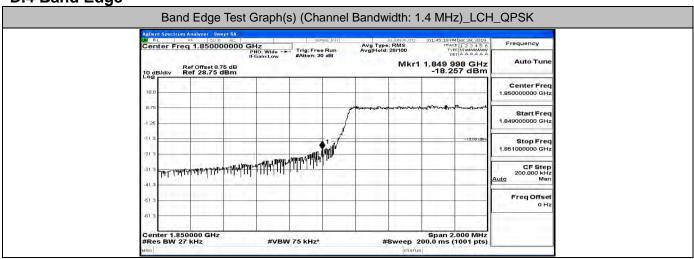


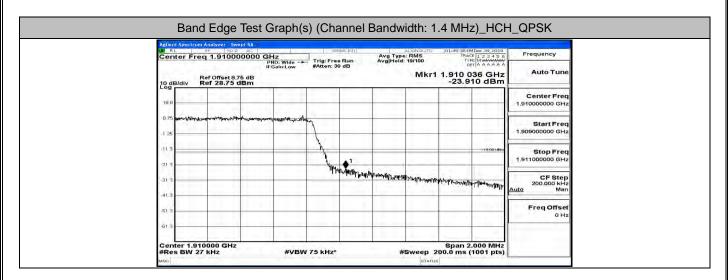


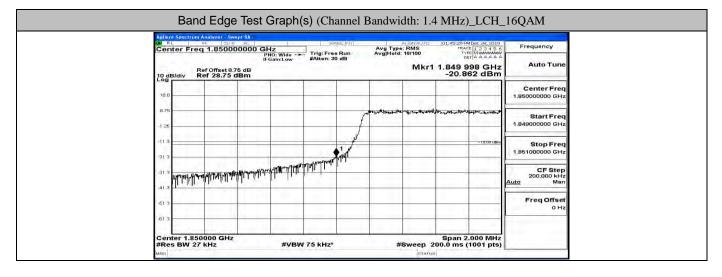


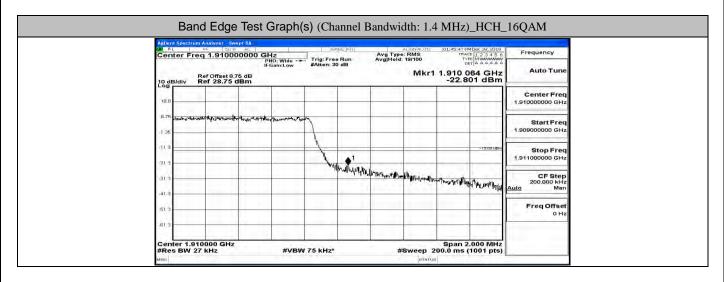


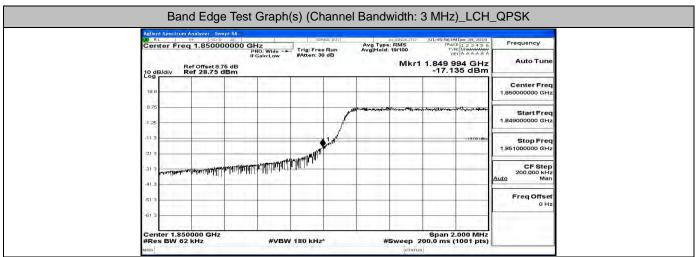
D.4 Band Edge

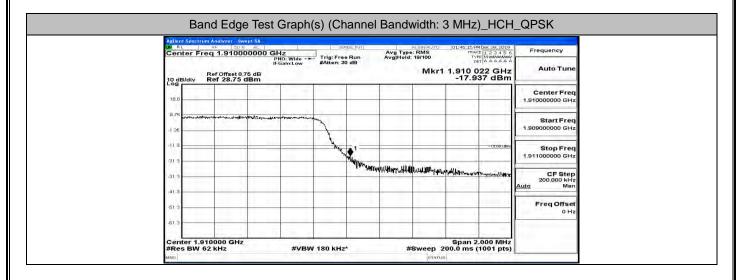


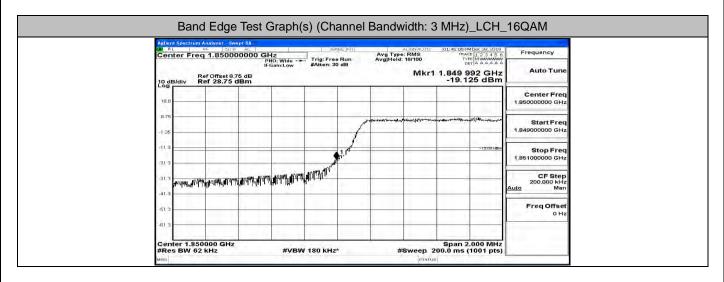


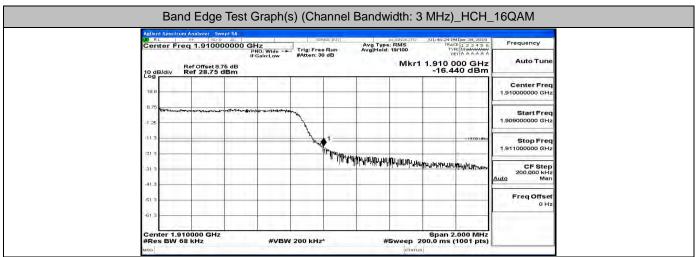


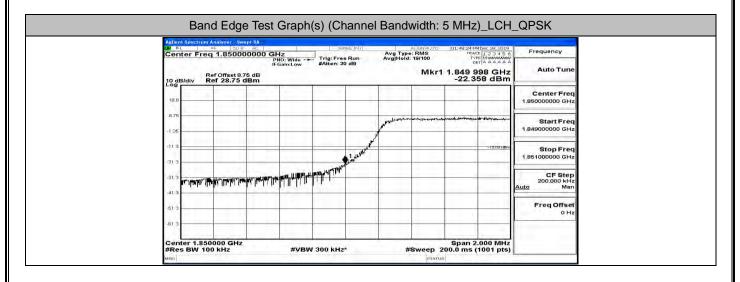


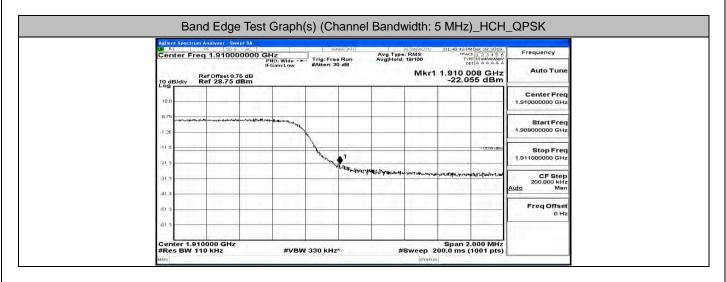


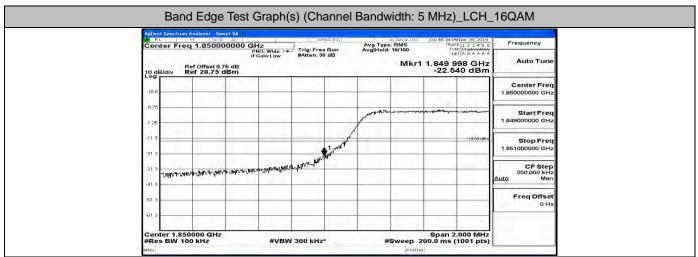


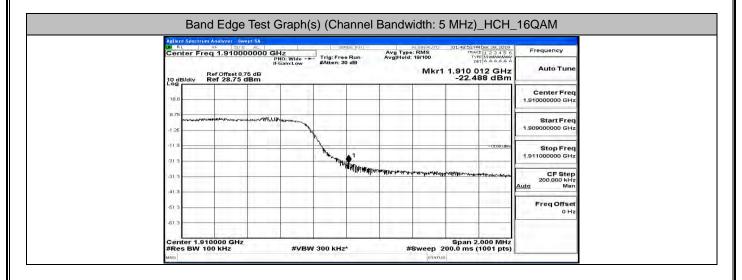


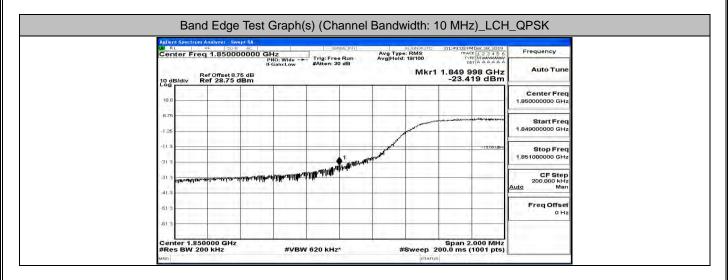


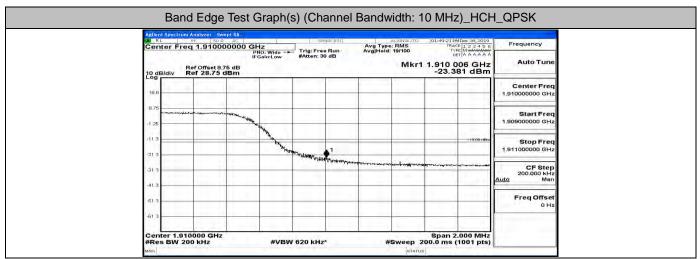


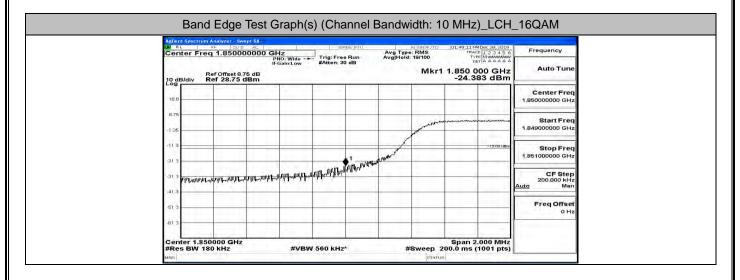


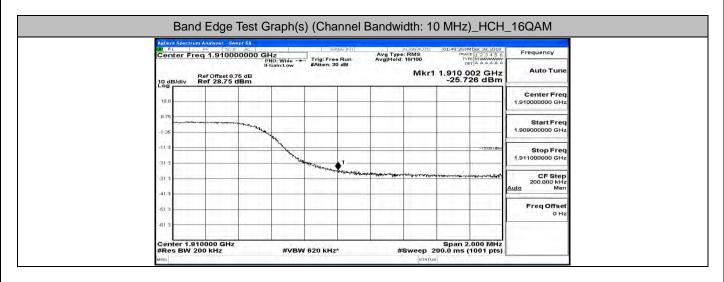


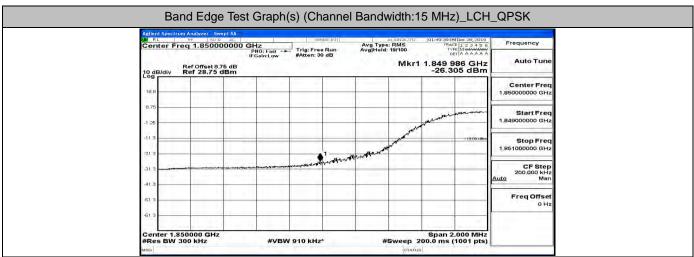


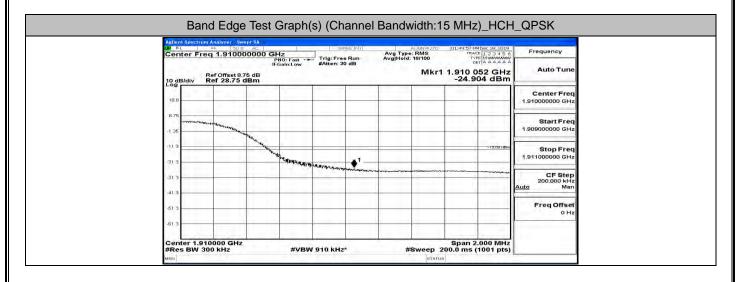


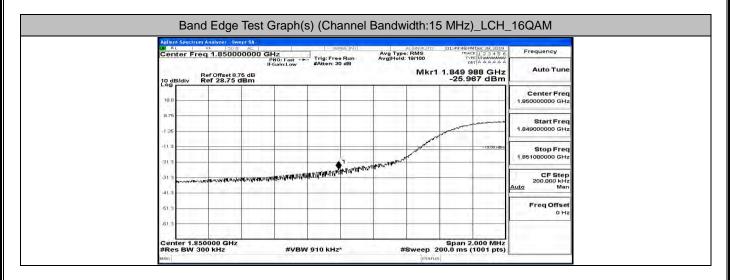


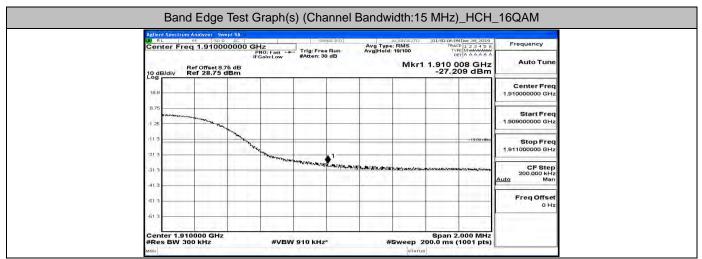


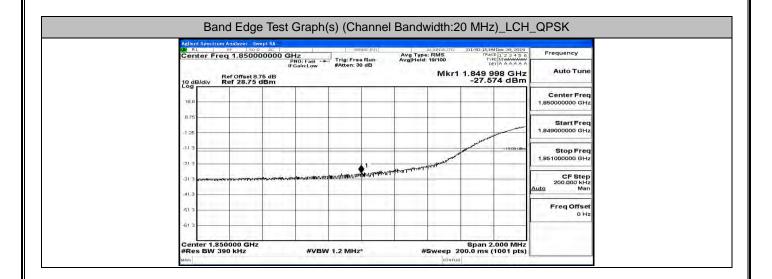


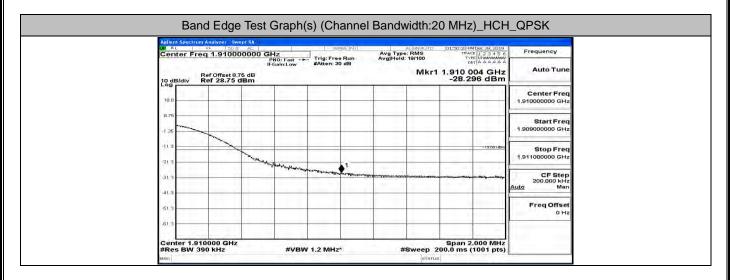


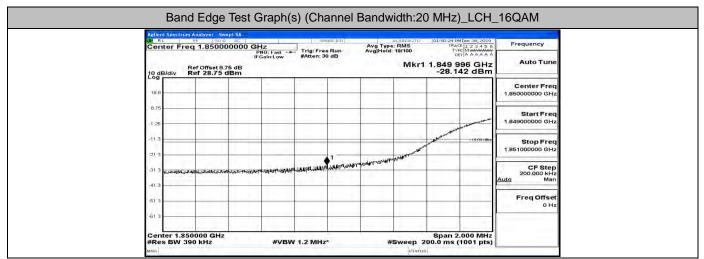


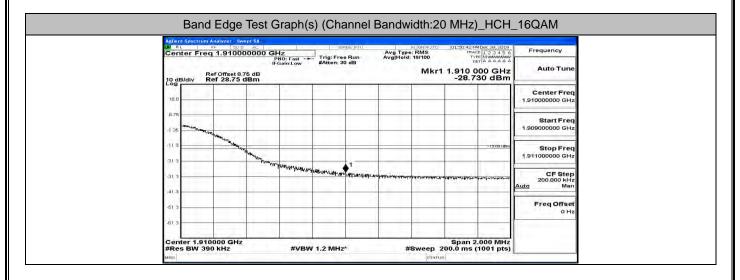




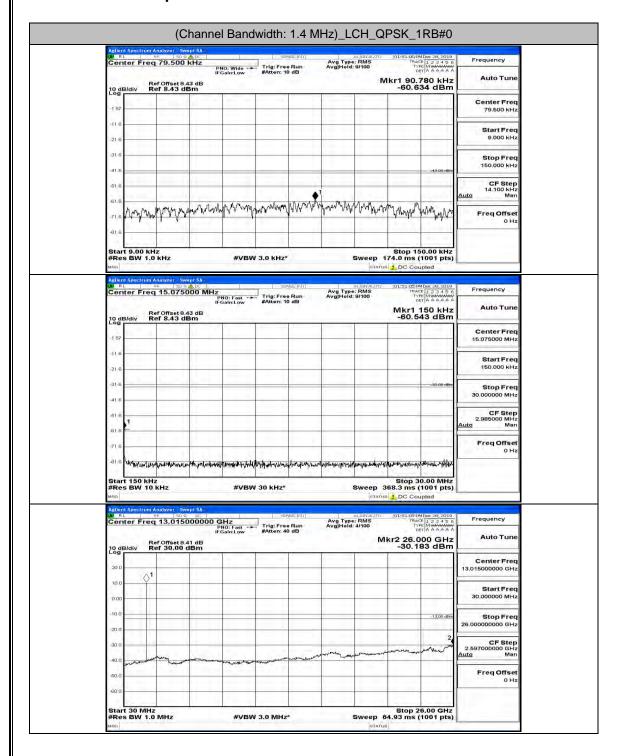


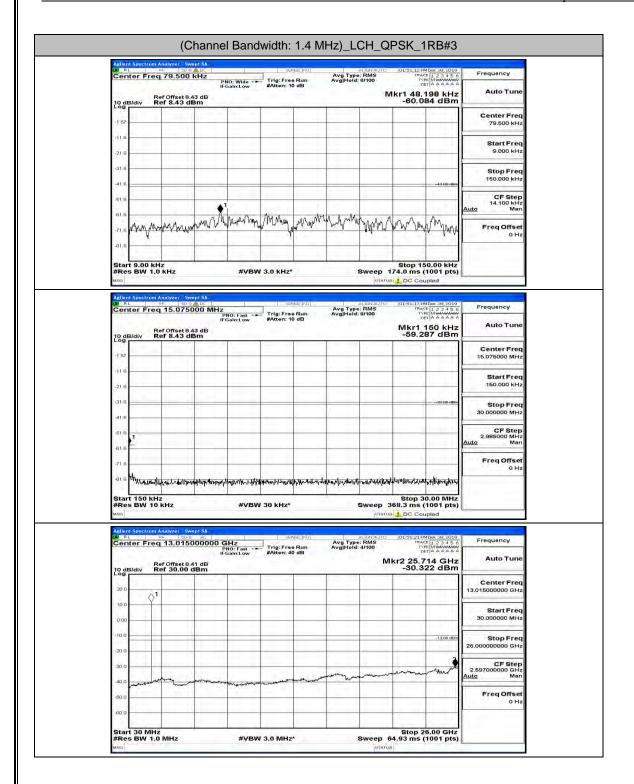


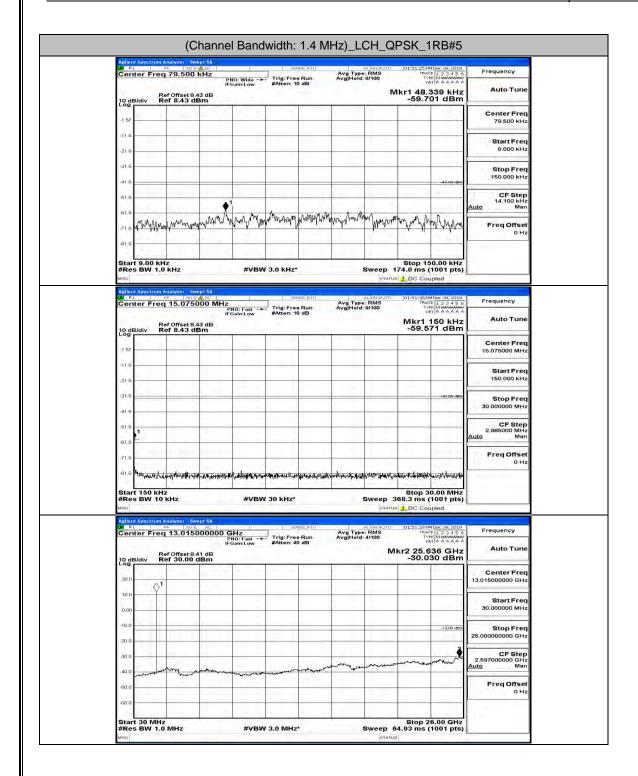


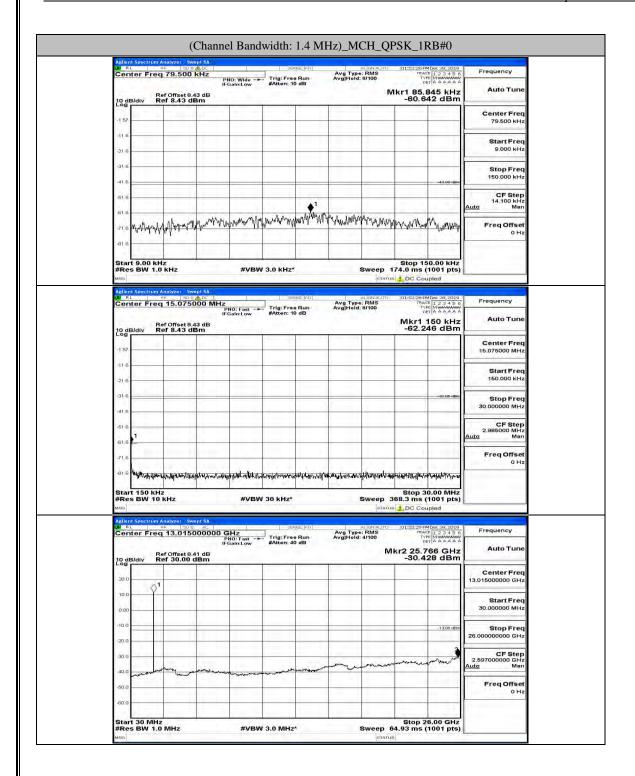


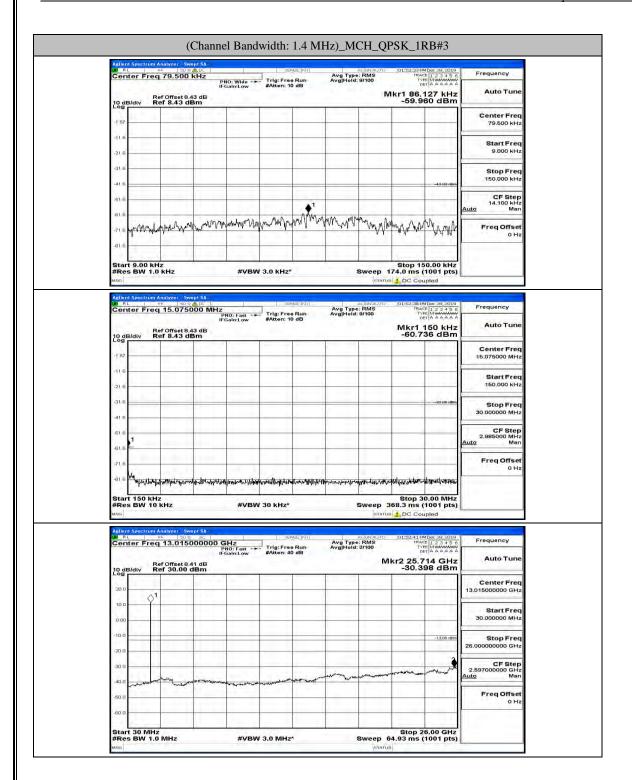
D.5 Conducted Spurious Emission

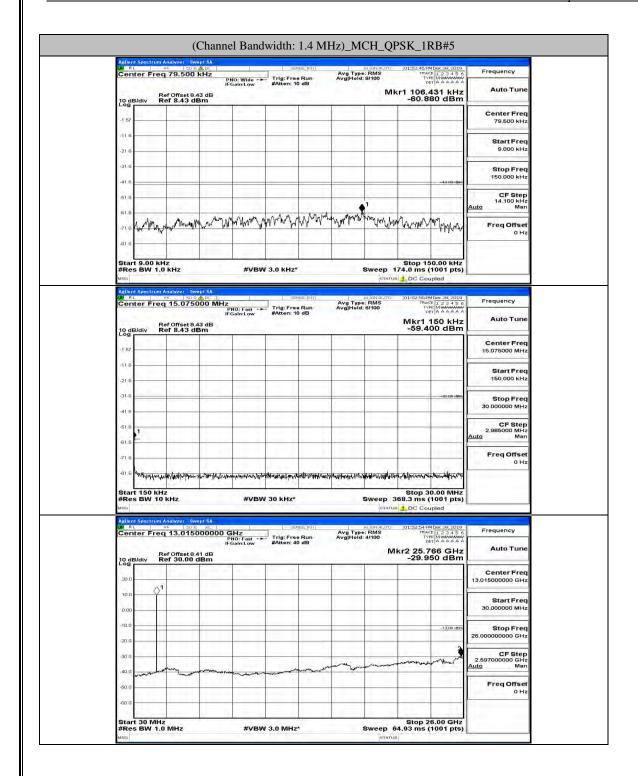


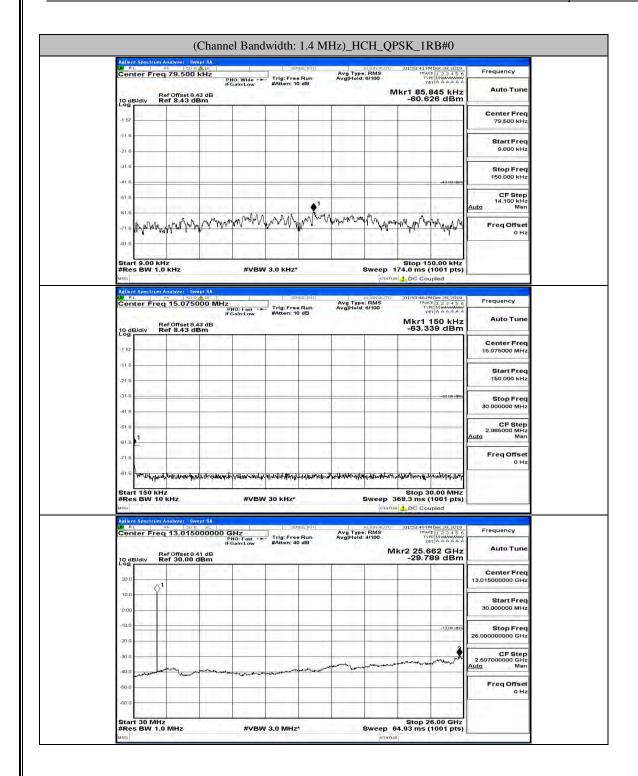






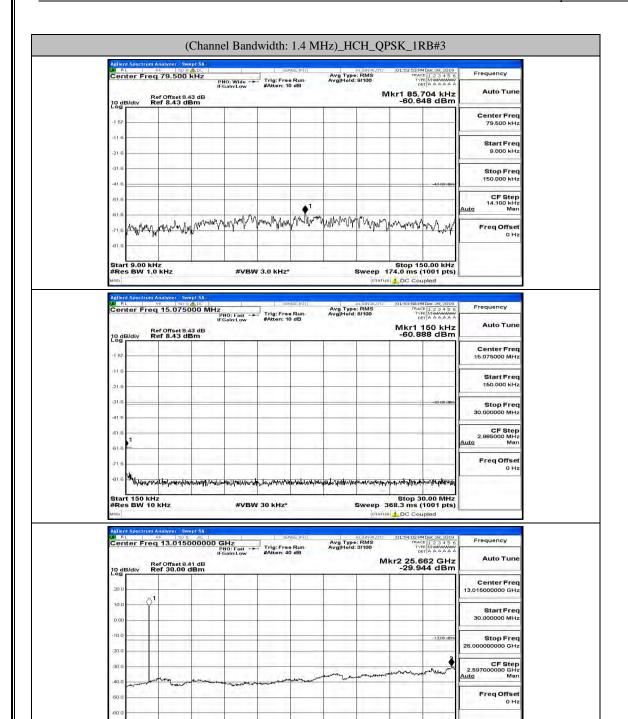




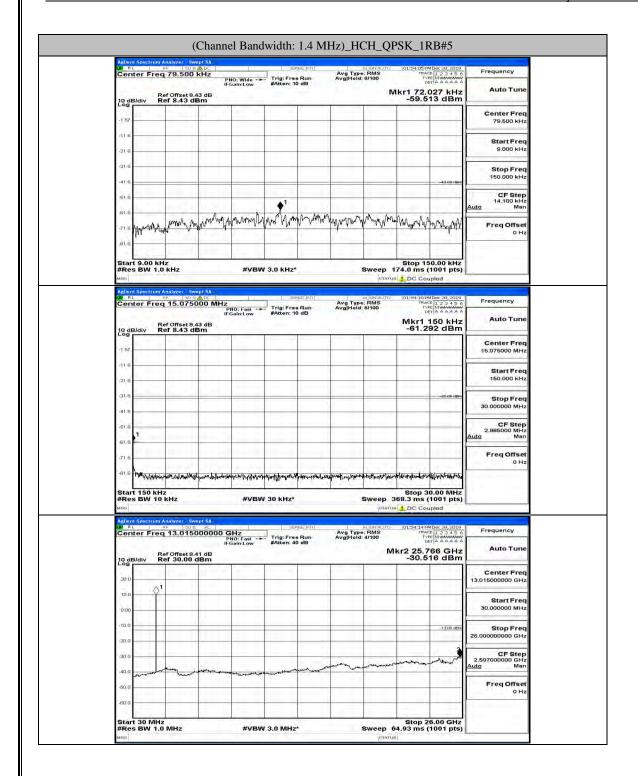


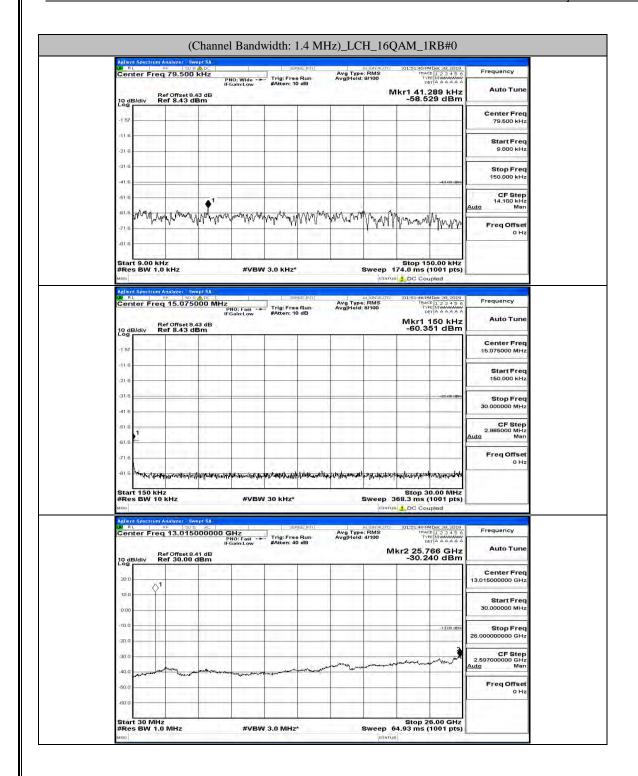
Start 30 MHz #Res BW 1.0 MHz

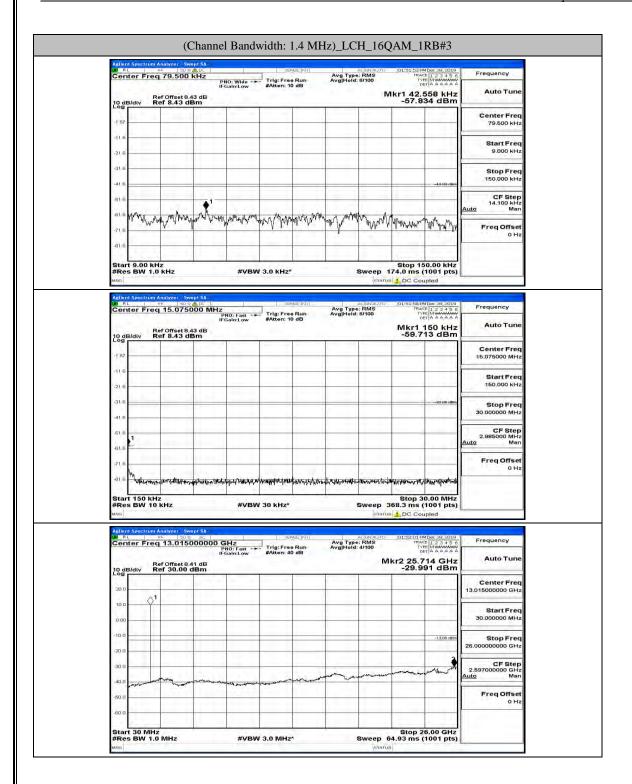
#VBW 3.0 MHz*

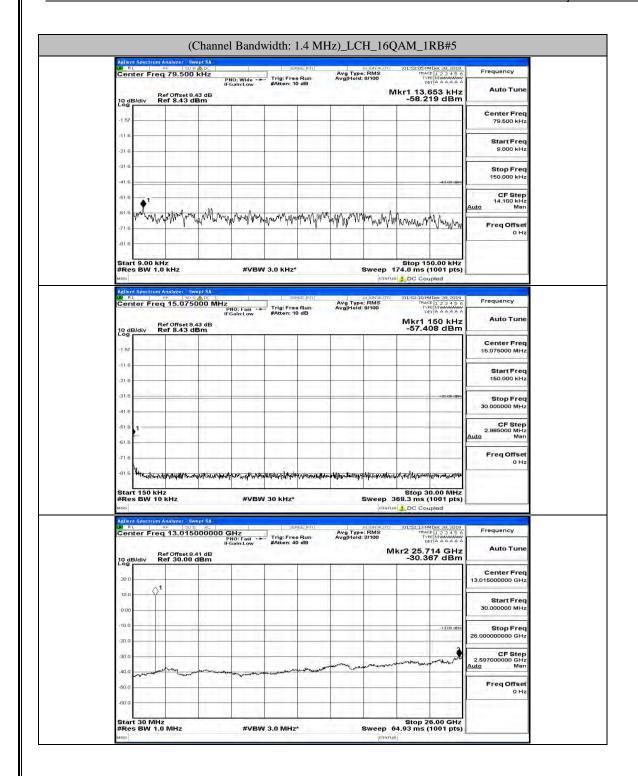


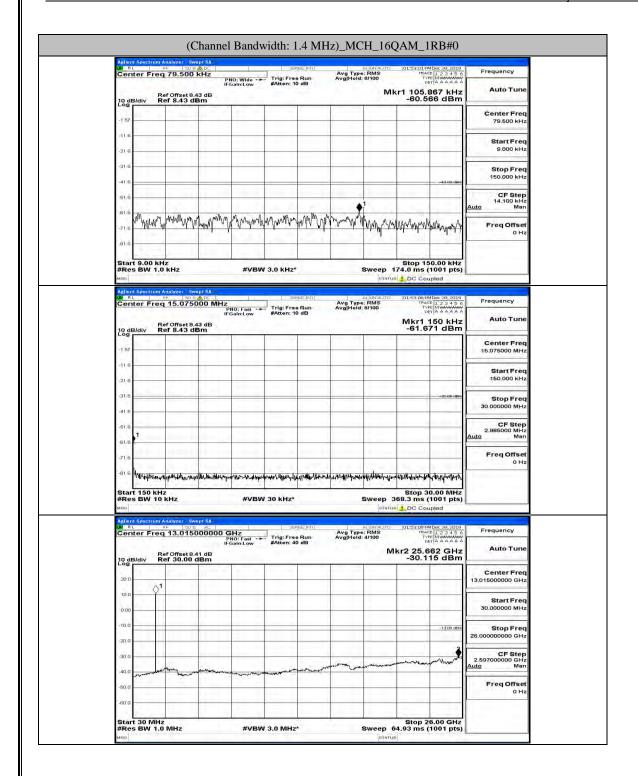
Stop 26.00 GHz Sweep 64.93 ms (1001 pts)

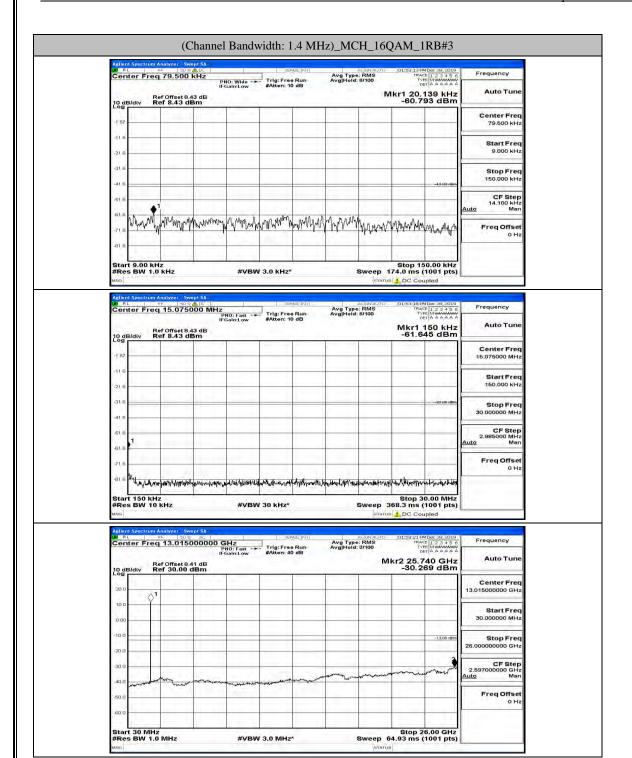


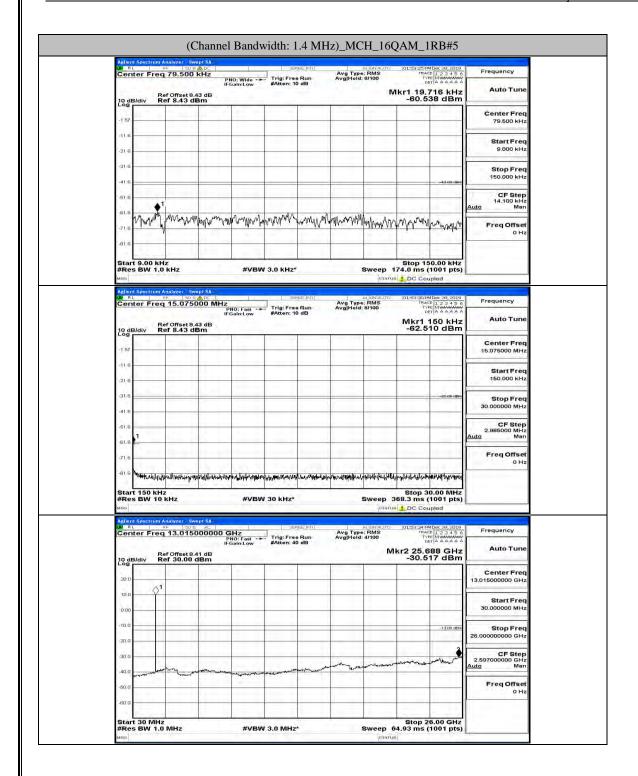


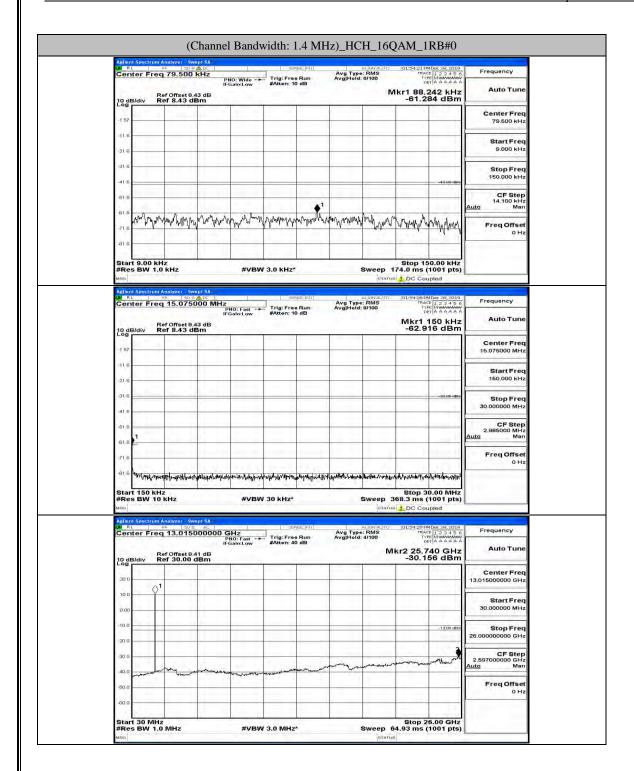


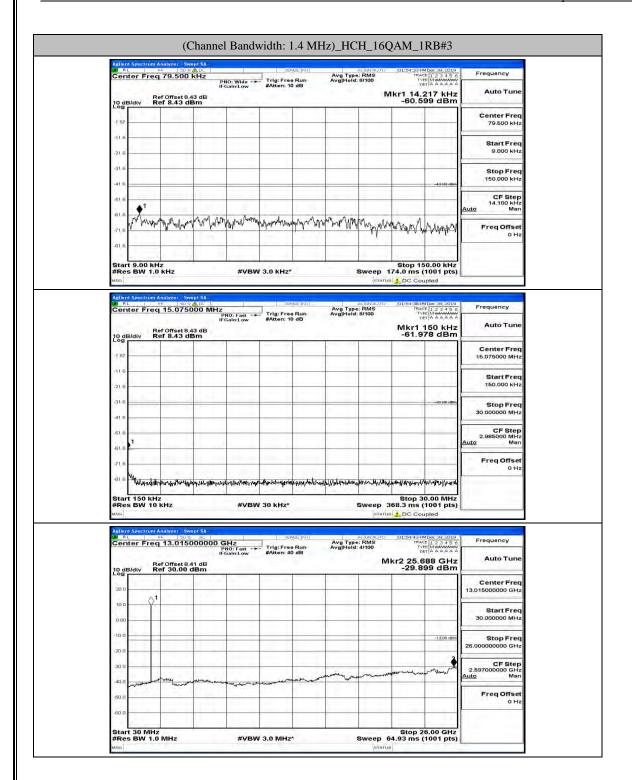


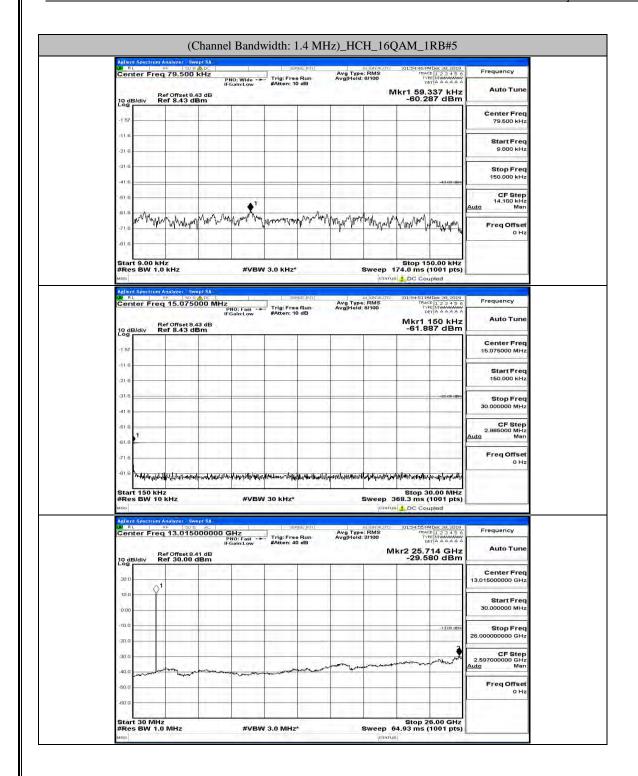












Channel Bandwidth: 3 MHz

