

Appendix C: Test Data for E-UTRA Band 5

Product Name: LTE GSM/WCDMA Smartphone

Trade Mark: DOOGEE

Test Model: S60 Lite

Environmental Conditions

Temperature:	24.1 °C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden Zhuo

C.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]		Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	25.48	24.70	PASS
		1	3	25.56	24.84	PASS
		1	5	25.49	24.67	PASS
		3	0	25.50	24.18	PASS
		3	2	25.36	24.19	PASS
		3	3	25.28	24.07	PASS
		6	0	23.97	23.00	PASS
	MCH	1	0	25.15	24.56	PASS
		1	3	25.30	24.73	PASS
		1	5	25.12	24.59	PASS
		3	0	25.24	24.22	PASS
		3	2	25.21	24.25	PASS
		3	3	25.23	24.25	PASS
		6	0	24.15	23.15	PASS
	HCH	1	0	24.99	24.28	PASS
		1	3	25.15	24.45	PASS
		1	5	25.00	24.26	PASS
		3	0	25.11	24.14	PASS
		3	2	25.13	24.18	PASS
		3	3	25.11	24.19	PASS
		6	0	24.05	23.21	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	25.00	24.28	PASS
		1	7	25.25	24.52	PASS
		1	14	25.00	24.27	PASS
		8	0	23.99	23.11	PASS
		8	4	24.01	23.18	PASS
		8	7	24.01	23.12	PASS
		15	0	23.99	22.98	PASS
	MCH	1	0	25.13	24.49	PASS
		1	7	25.41	24.70	PASS
		1	14	25.20	24.51	PASS
		8	0	24.17	23.26	PASS
		8	4	24.25	23.37	PASS
		8	7	24.20	23.31	PASS
		15	0	24.18	23.21	PASS
	HCH	1	0	25.08	24.52	PASS
		1	7	25.34	24.60	PASS
		1	14	25.06	24.44	PASS
		8	0	24.05	23.15	PASS
		8	4	24.12	23.11	PASS
		8	7	24.02	23.05	PASS
		15	0	24.01	23.08	PASS

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	24.97	24.33	PASS
		1	12	25.14	24.62	PASS
		1	24	24.97	24.35	PASS
		12	0	23.92	23.13	PASS
		12	6	24.07	23.29	PASS
		12	13	23.95	23.16	PASS
		25	0	24.01	23.08	PASS
	MCH	1	0	25.09	24.47	PASS
		1	12	25.40	24.82	PASS
		1	24	25.13	24.47	PASS
		12	0	24.10	23.35	PASS
		12	6	24.30	23.48	PASS
		12	13	24.21	23.40	PASS
		25	0	24.22	23.31	PASS
	HCH	1	0	25.08	24.09	PASS
		1	12	25.41	24.57	PASS
		1	24	24.95	24.00	PASS
		12	0	24.06	23.16	PASS
		12	6	24.10	23.24	PASS
		12	13	23.91	23.03	PASS
		25	0	24.05	23.10	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	
QPSK / 16QAM	LCH	1	0	25.01	24.33	PASS
		1	24	25.27	24.51	PASS
		1	49	25.10	24.40	PASS
		25	0	24.18	23.22	PASS
		25	12	24.11	23.24	PASS
		25	25	24.12	23.22	PASS
		50	0	24.13	23.15	PASS
	MCH	1	0	25.05	24.35	PASS
		1	24	25.37	24.65	PASS
		1	49	25.15	24.46	PASS
		25	0	24.13	23.19	PASS
		25	12	24.20	23.28	PASS
		25	25	24.24	23.33	PASS
		50	0	24.18	23.23	PASS
	HCH	1	0	25.18	24.59	PASS
		1	24	25.32	24.72	PASS
		1	49	25.02	24.42	PASS
		25	0	24.21	23.28	PASS
		25	12	24.16	23.25	PASS
		25	25	24.02	23.13	PASS
		50	0	24.10	23.24	PASS

C.2 Peak-to-Average Ratio

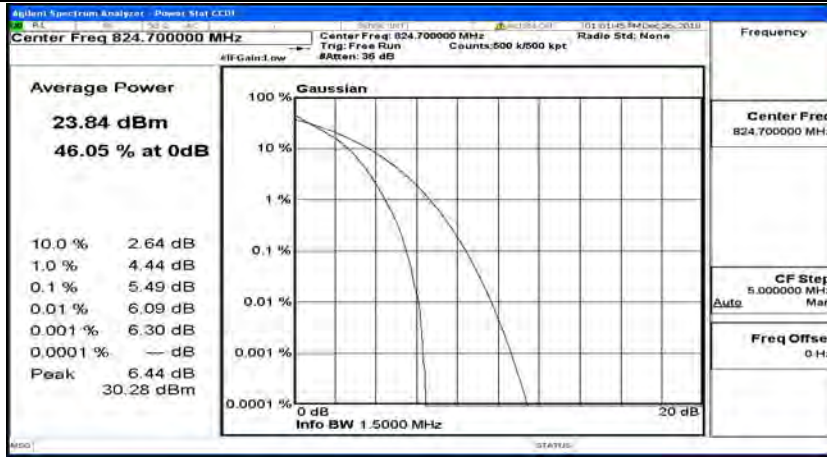
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.49	<13	PASS
	MCH	5.74	<13	PASS
	HCH	5.57	<13	PASS
16QAM	LCH	6.42	<13	PASS
	MCH	6.70	<13	PASS
	HCH	6.51	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.48	<13	PASS
	MCH	5.70	<13	PASS
	HCH	5.68	<13	PASS
16QAM	LCH	6.35	<13	PASS
	MCH	6.68	<13	PASS
	HCH	6.47	<13	PASS

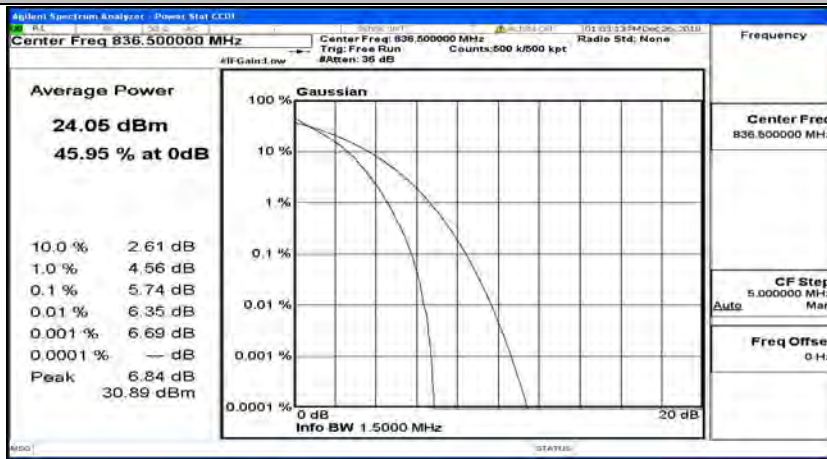
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.48	<13	PASS
	MCH	5.73	<13	PASS
	HCH	5.65	<13	PASS
16QAM	LCH	6.31	<13	PASS
	MCH	6.61	<13	PASS
	HCH	6.52	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.58	<13	PASS
	MCH	5.71	<13	PASS
	HCH	5.65	<13	PASS
16QAM	LCH	6.32	<13	PASS
	MCH	6.42	<13	PASS
	HCH	6.45	<13	PASS

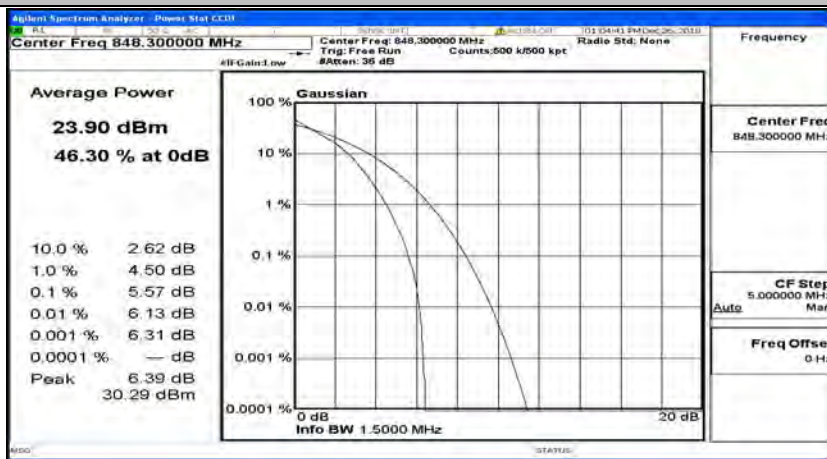
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



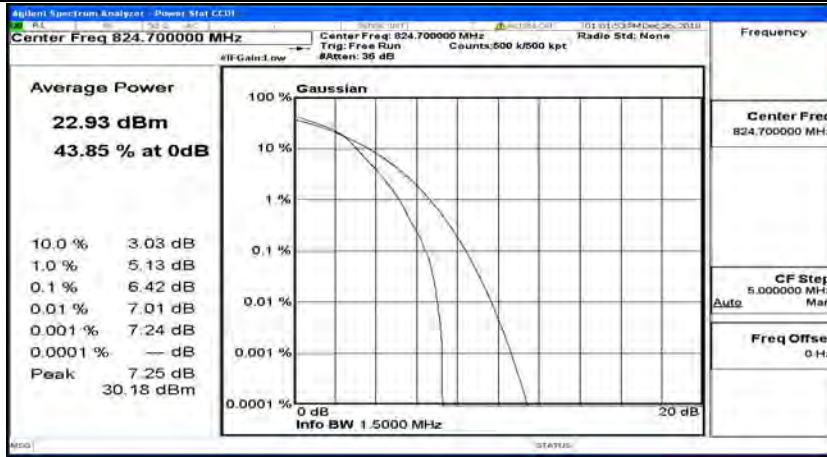
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



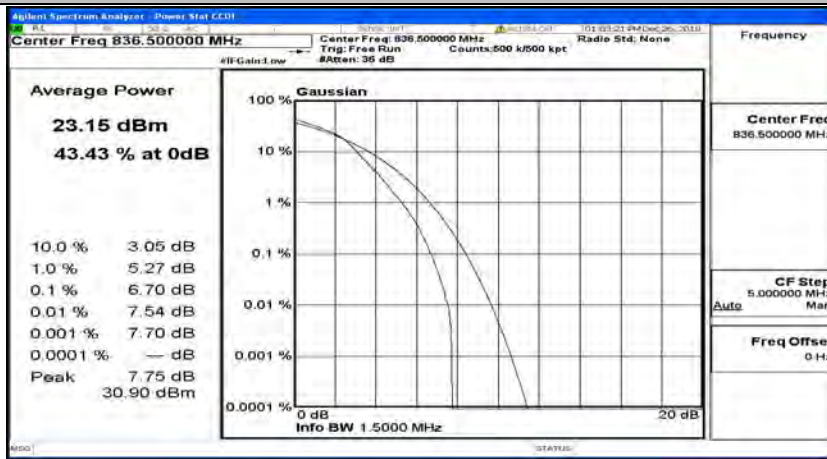
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



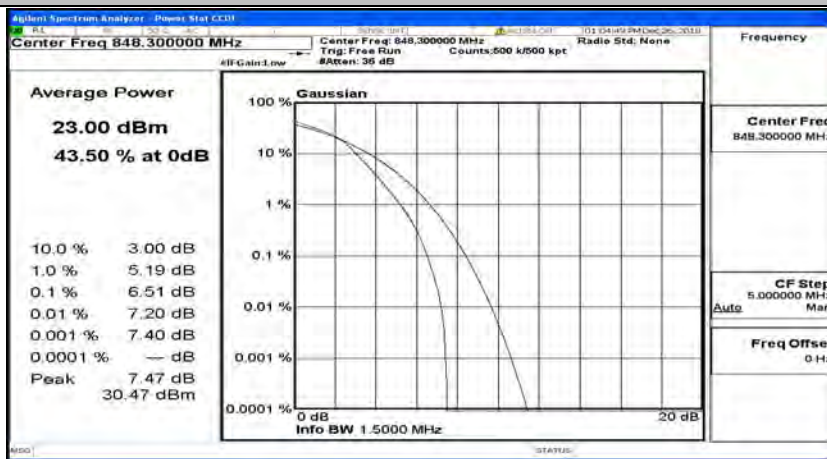
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



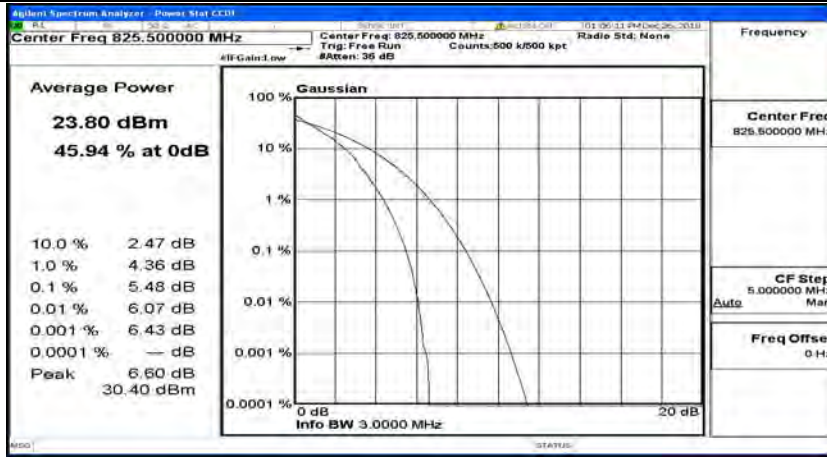
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



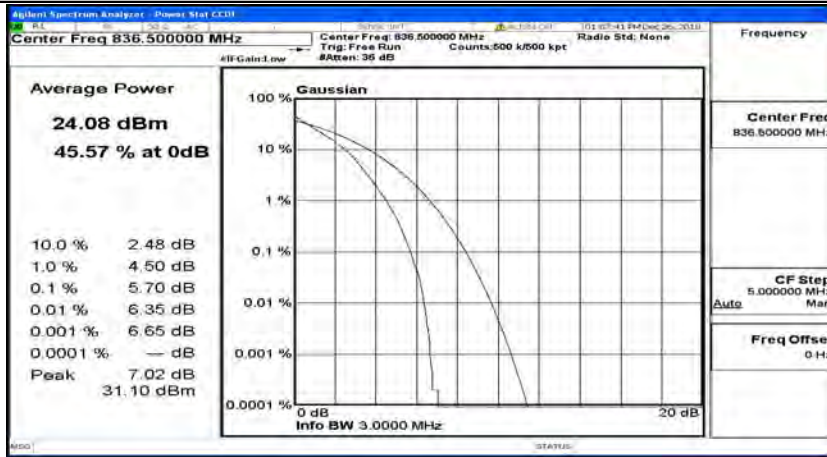
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



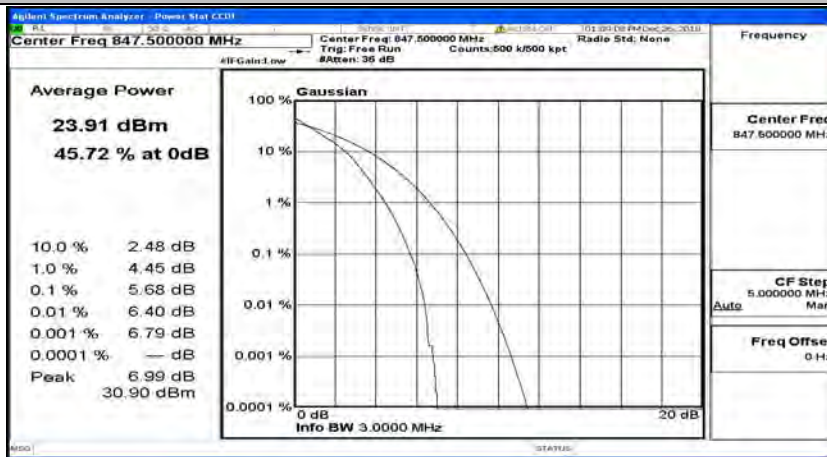
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



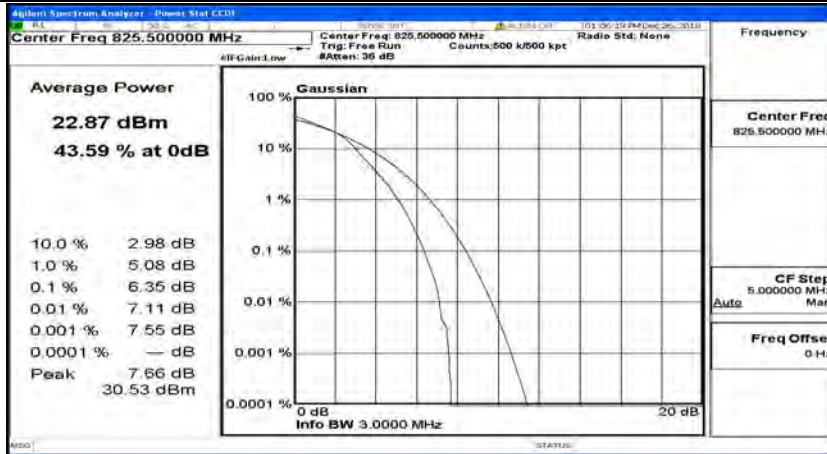
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



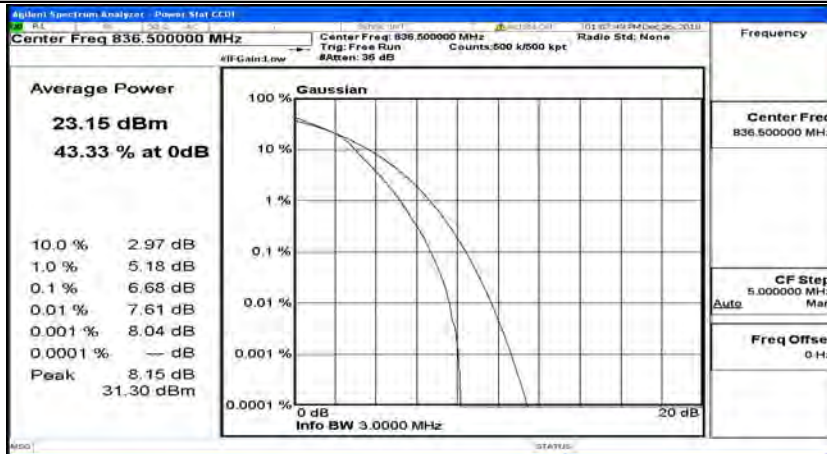
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



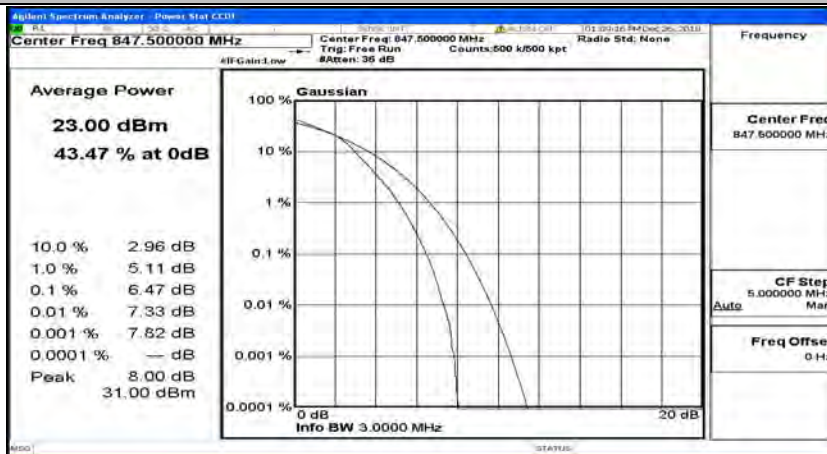
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



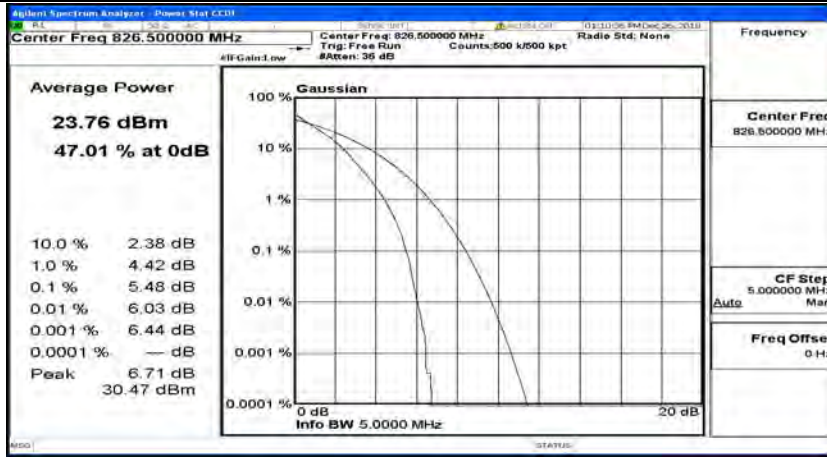
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



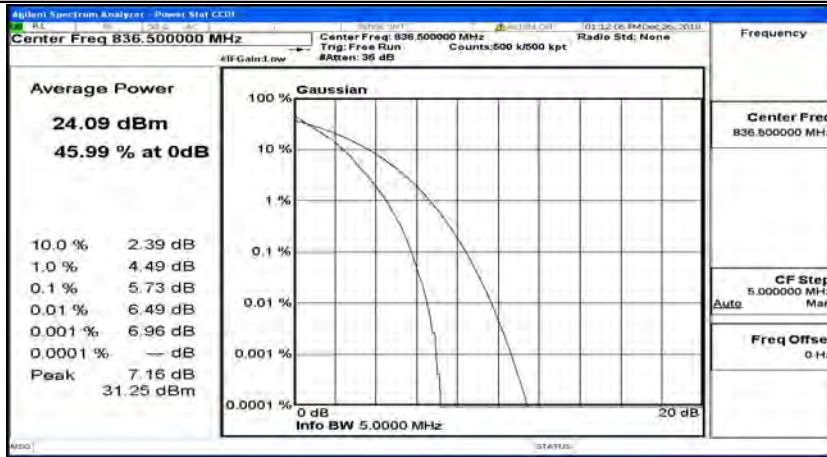
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



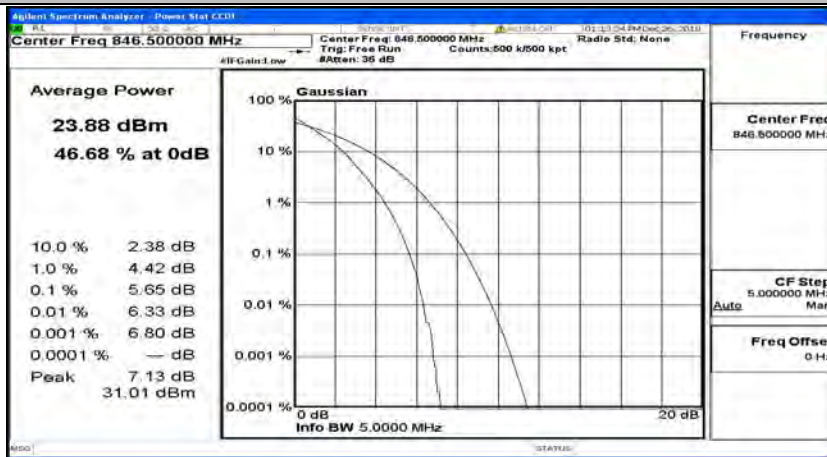
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



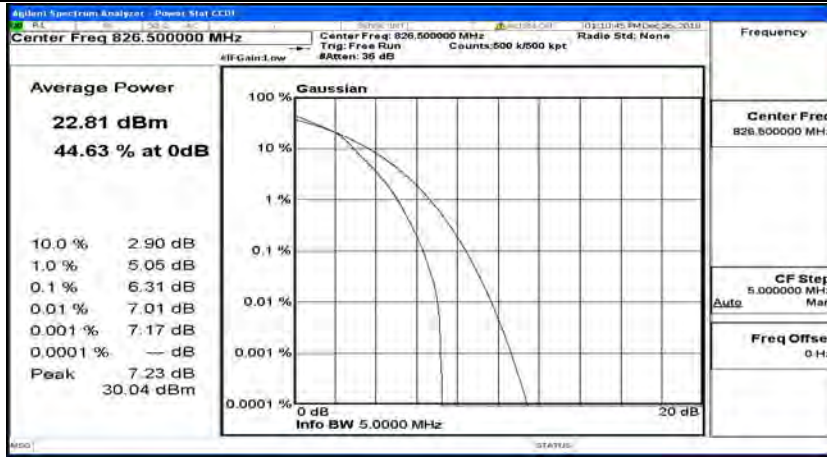
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



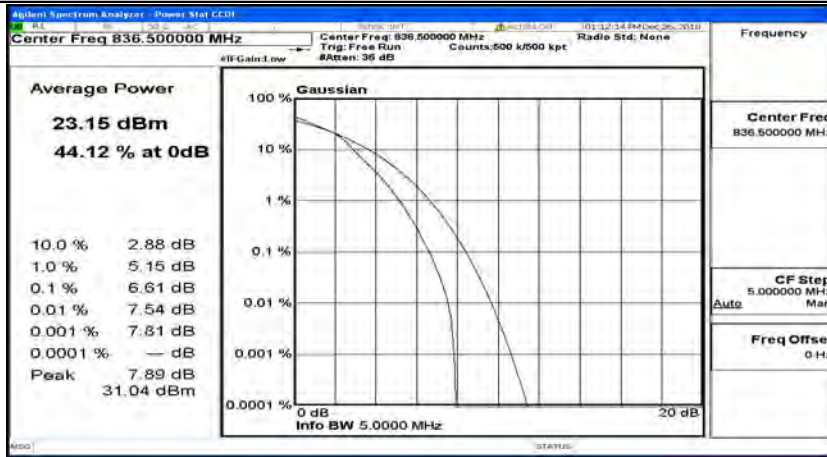
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



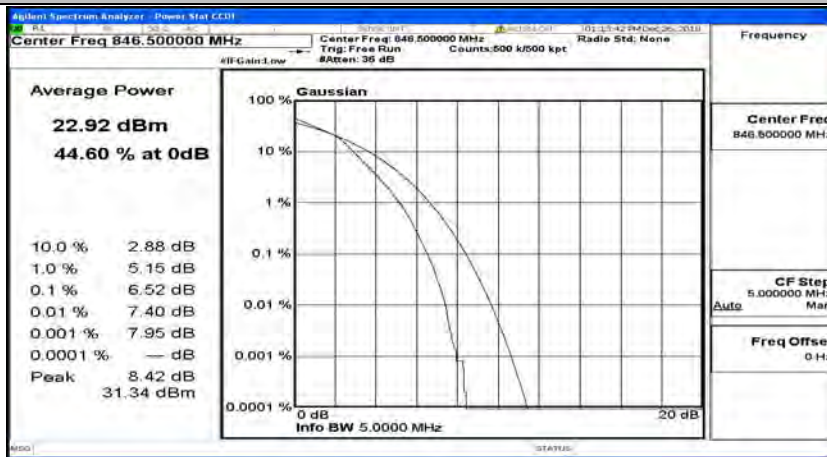
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



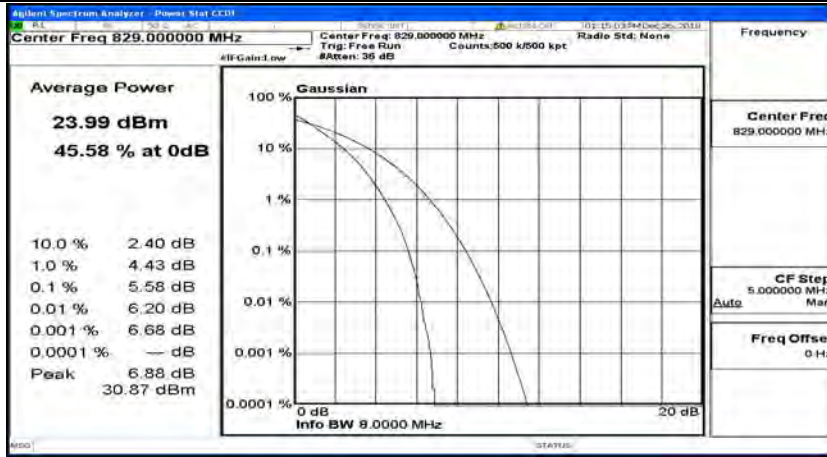
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



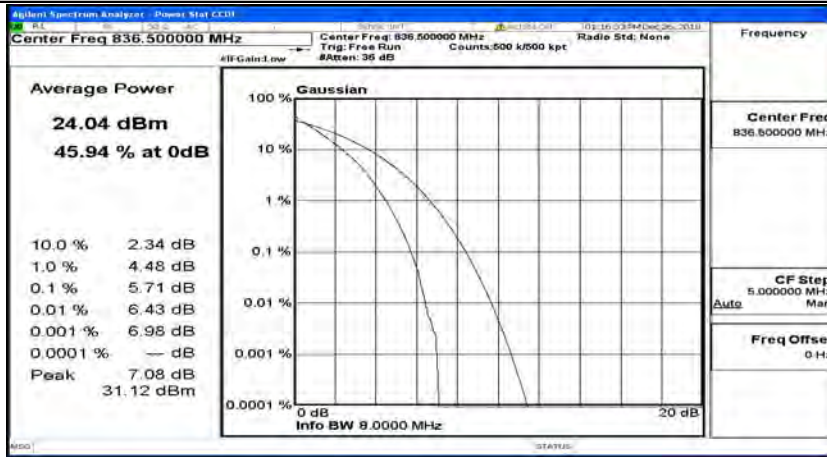
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



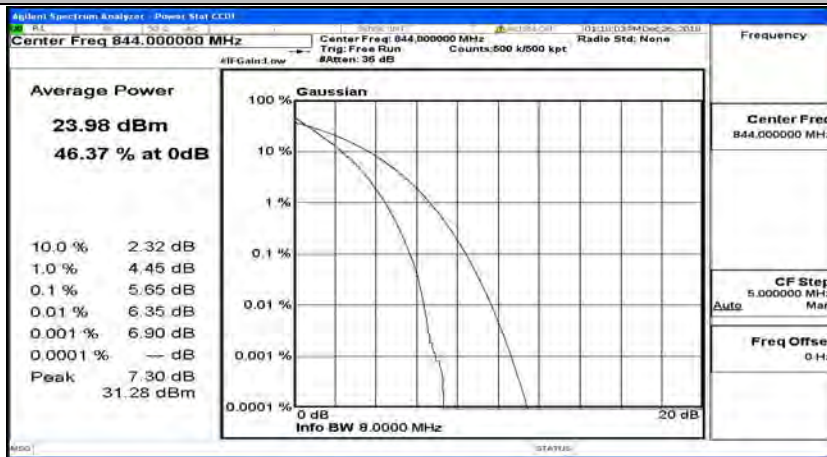
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _LCH_QPSK



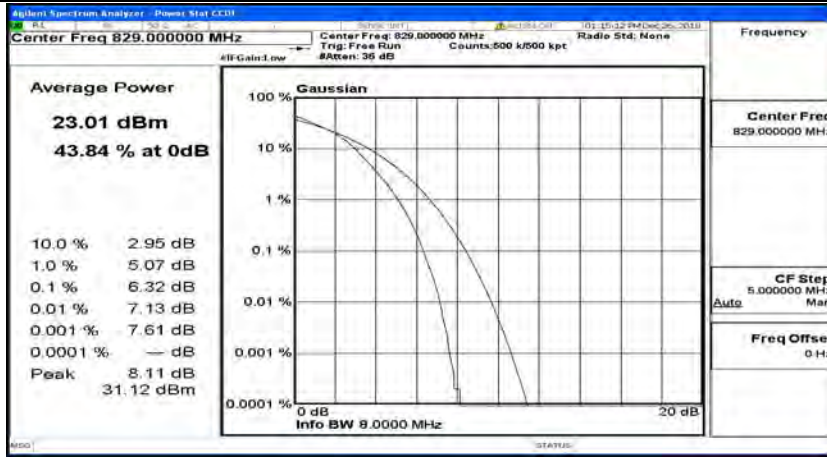
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _MCH_QPSK



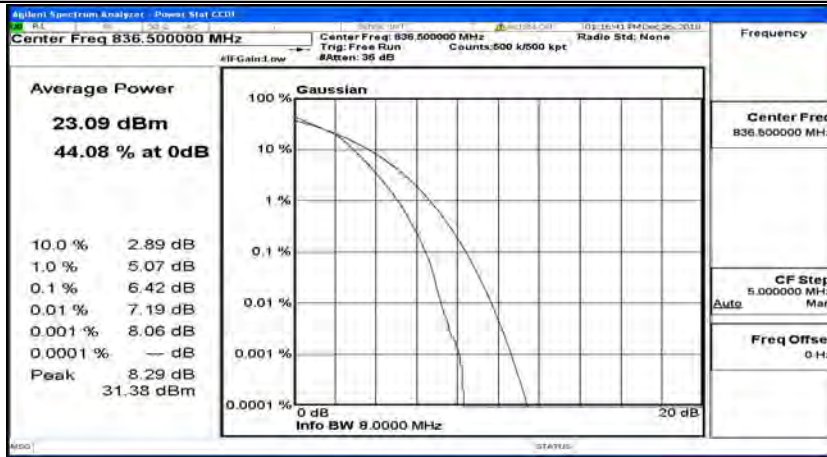
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _HCH_QPSK



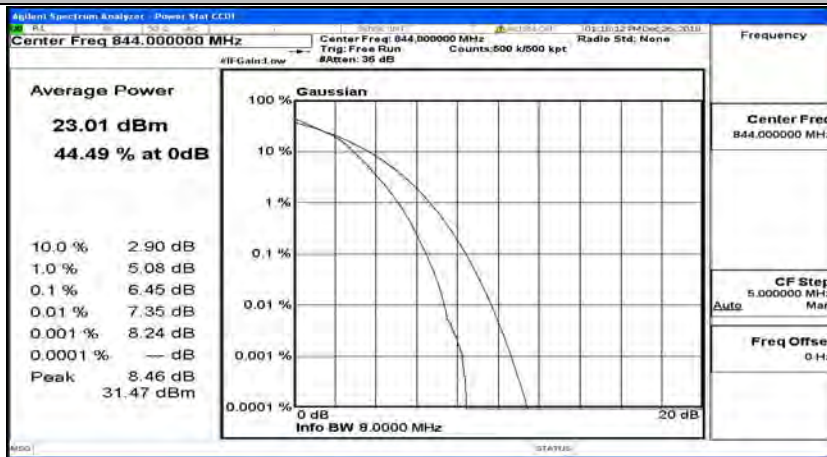
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



C.3 26dB Bandwidth and Occupied Bandwidth

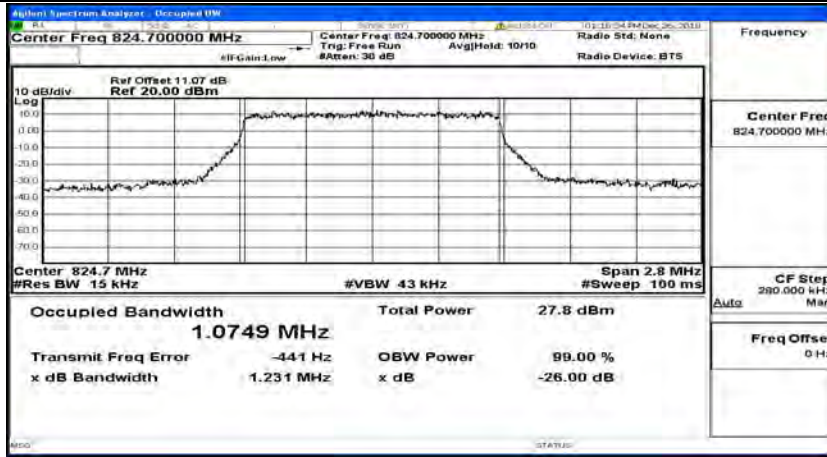
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0749	1.231	PASS
	MCH	1.0731	1.210	PASS
	HCH	1.0773	1.227	PASS
16QAM	LCH	1.0792	1.262	PASS
	MCH	1.0768	1.231	PASS
	HCH	1.0764	1.230	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6800	2.819	PASS
	MCH	2.6766	2.832	PASS
	HCH	2.6763	2.832	PASS
16QAM	LCH	2.6727	2.805	PASS
	MCH	2.6800	2.842	PASS
	HCH	2.6843	2.835	PASS

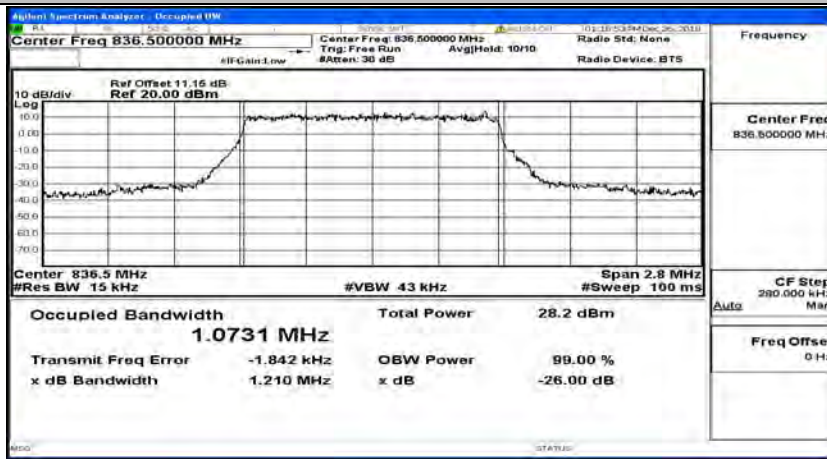
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4642	4.771	PASS
	MCH	4.4712	4.812	PASS
	HCH	4.4682	4.861	PASS
16QAM	LCH	4.4742	4.839	PASS
	MCH	4.4763	4.843	PASS
	HCH	4.4764	4.815	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9251	9.501	PASS
	MCH	8.9369	9.544	PASS
	HCH	8.9220	9.433	PASS
16QAM	LCH	8.9351	9.514	PASS
	MCH	8.9391	9.464	PASS
	HCH	8.9436	9.419	PASS

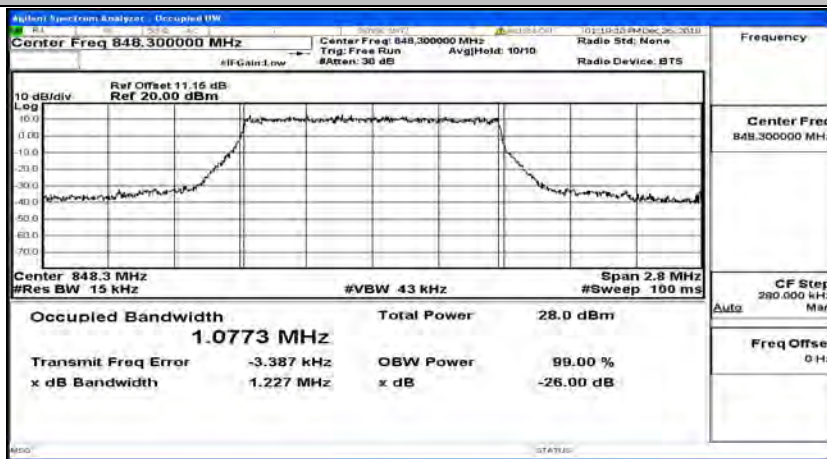
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



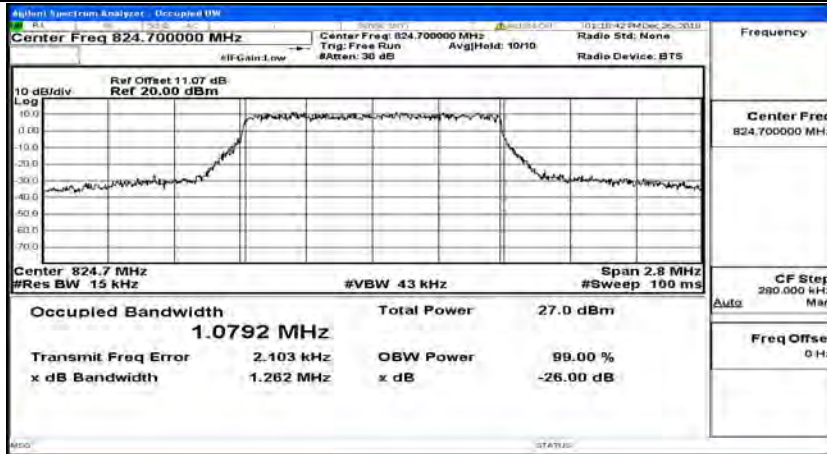
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



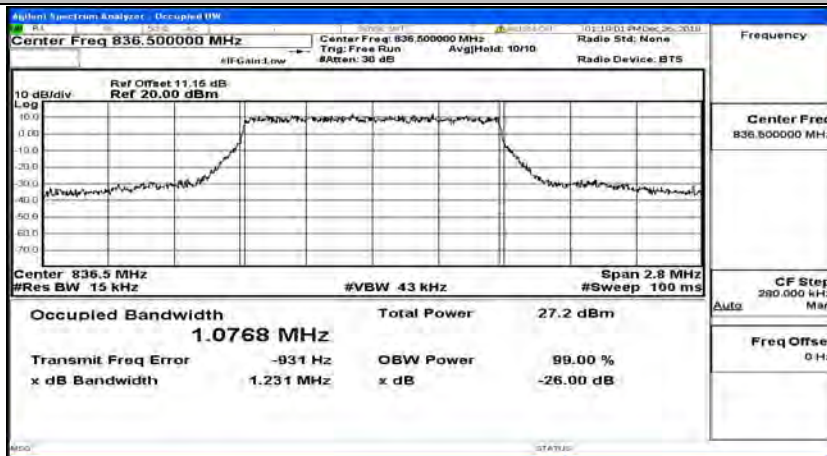
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) LCH_16QAM



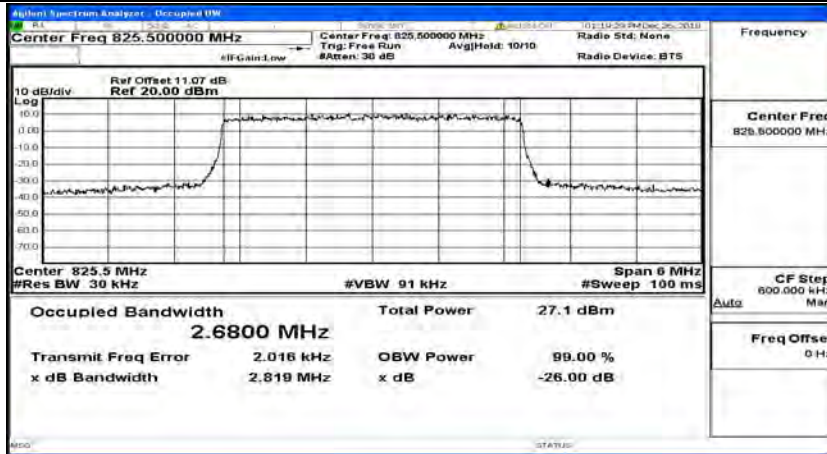
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) MCH_16QAM



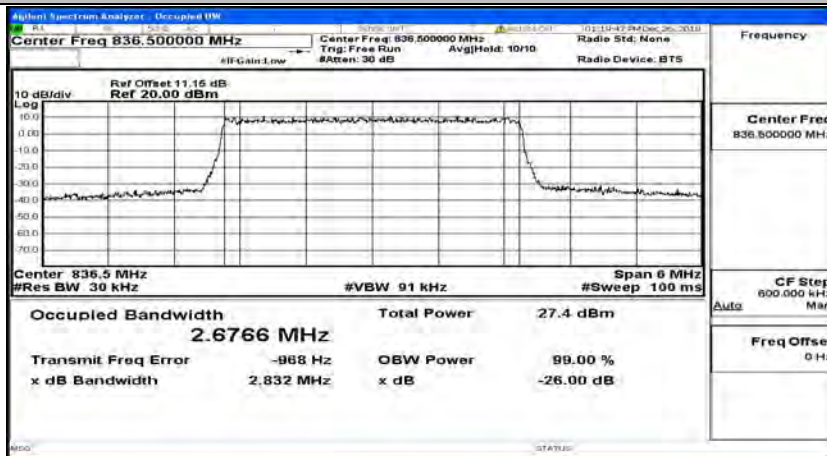
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz) HCH_16QAM



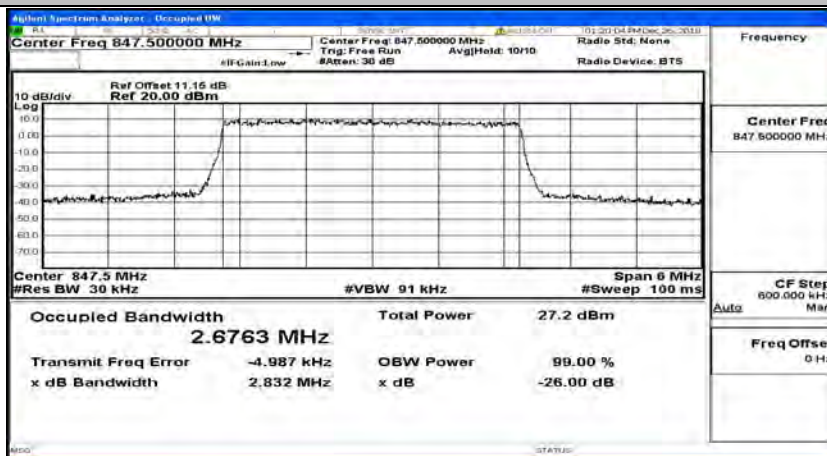
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



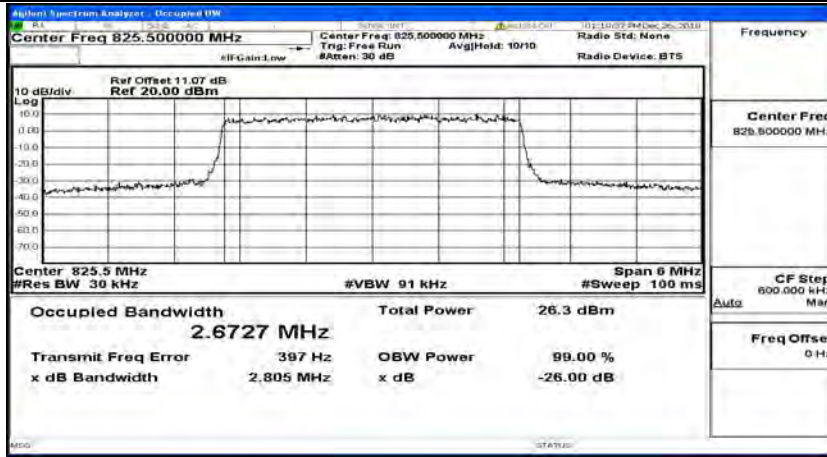
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



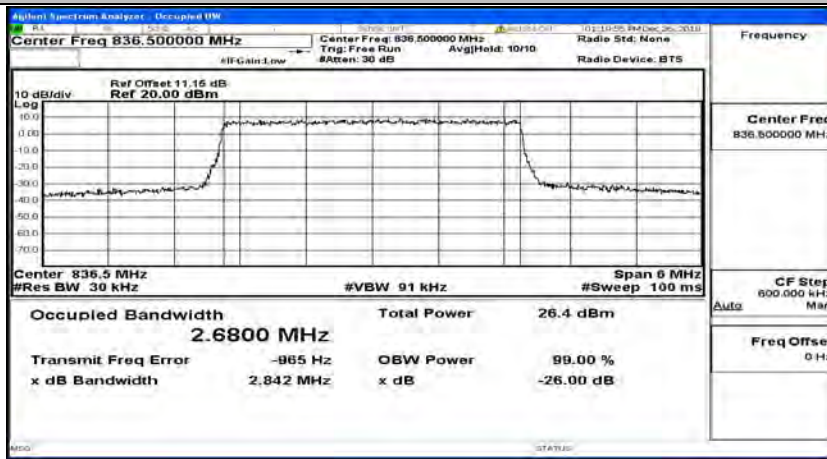
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



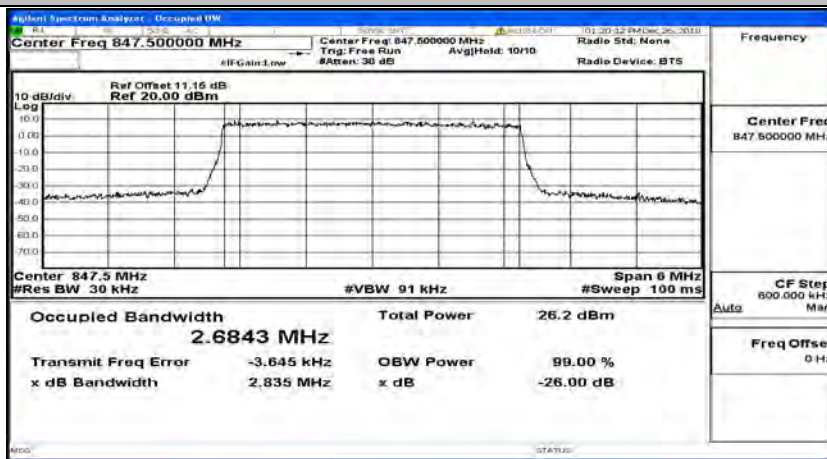
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



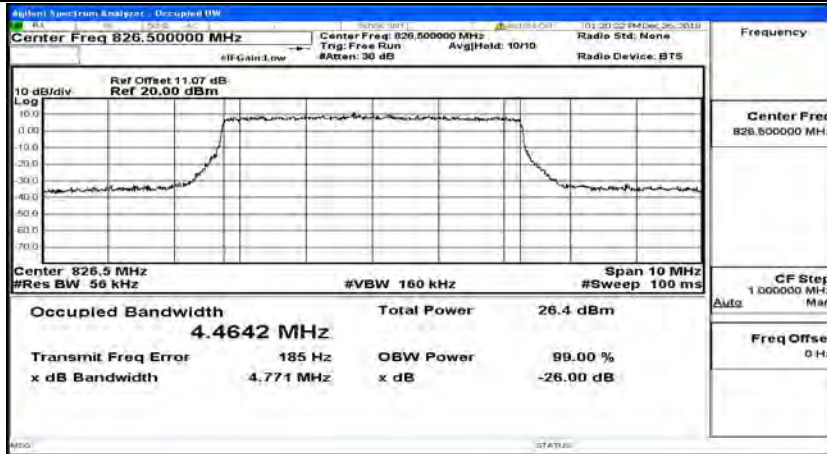
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



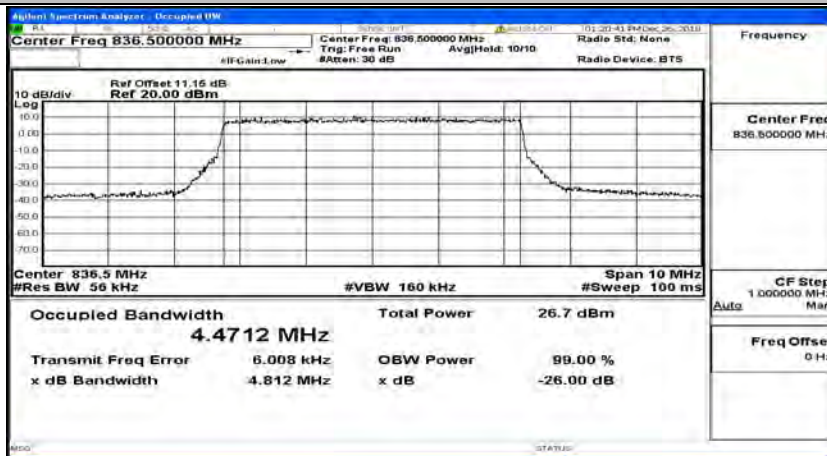
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



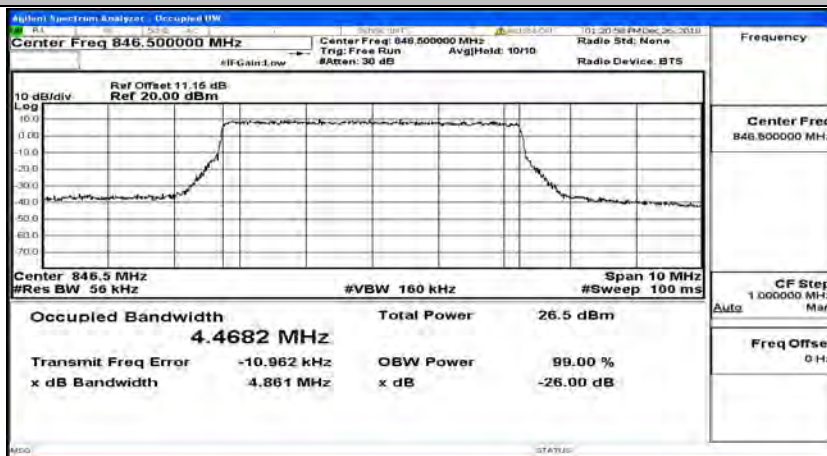
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



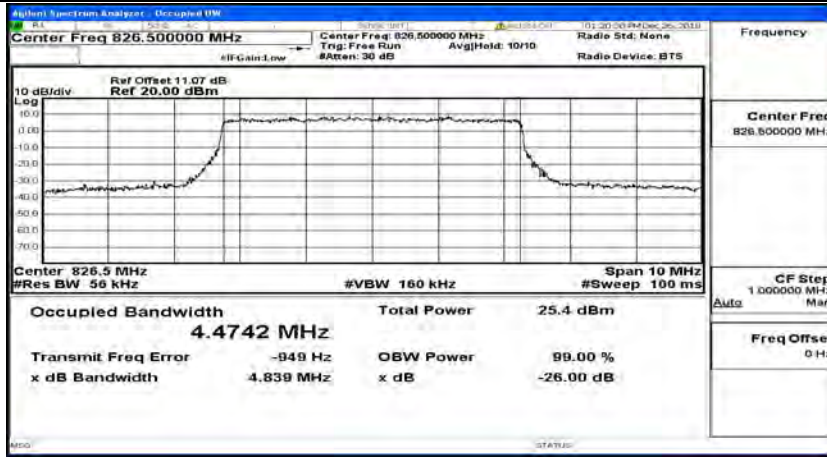
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



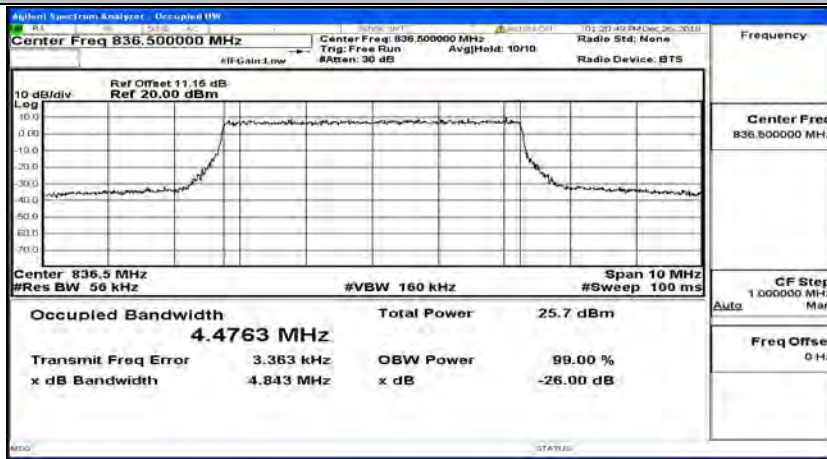
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



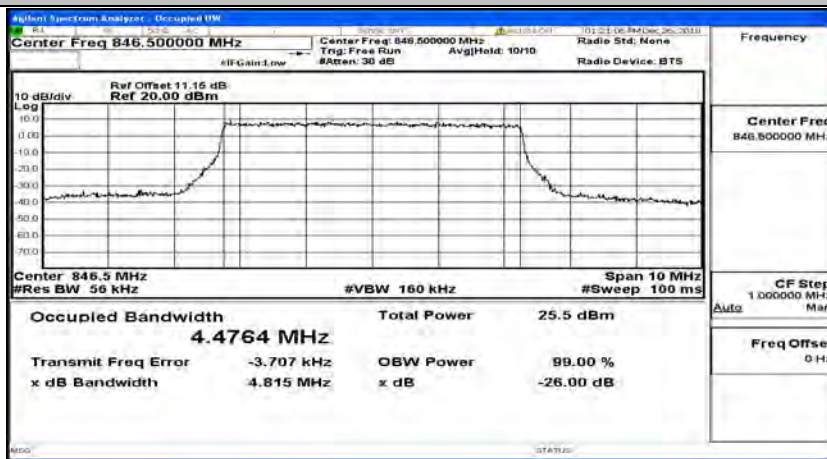
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



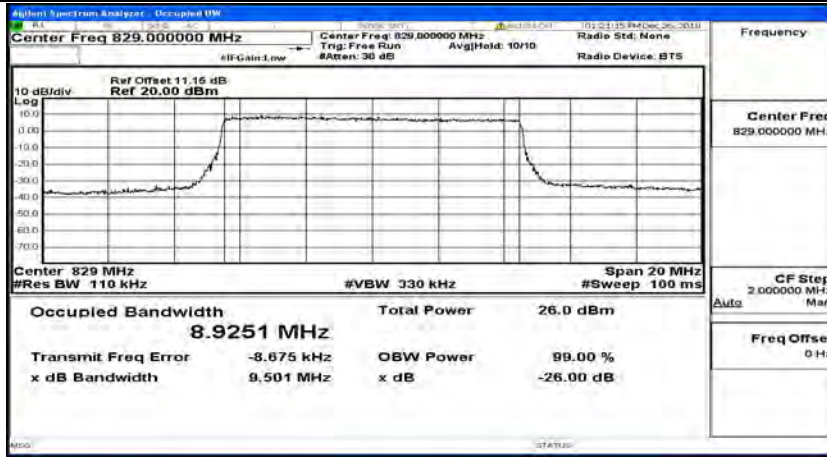
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



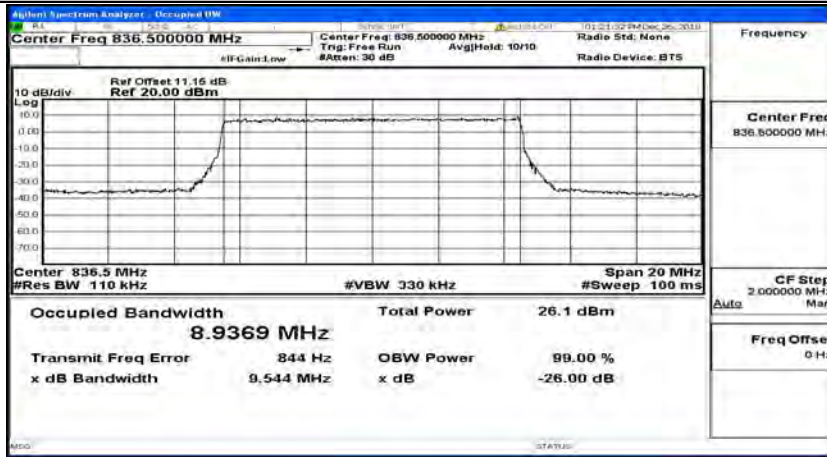
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



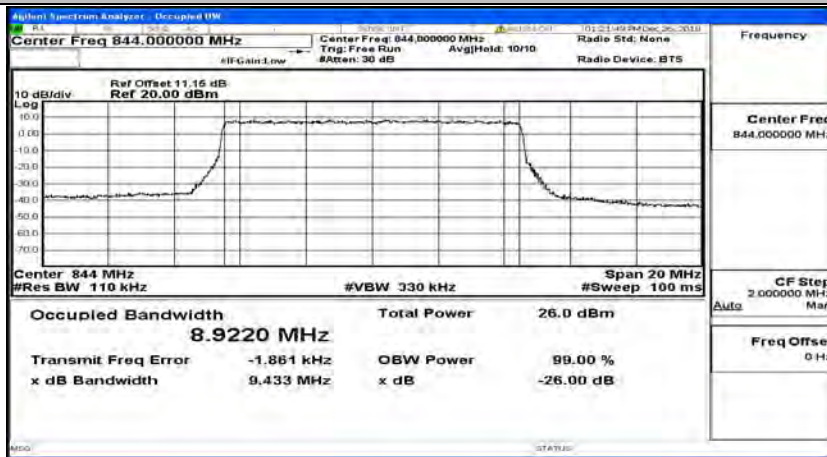
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz) LCH_QPSK



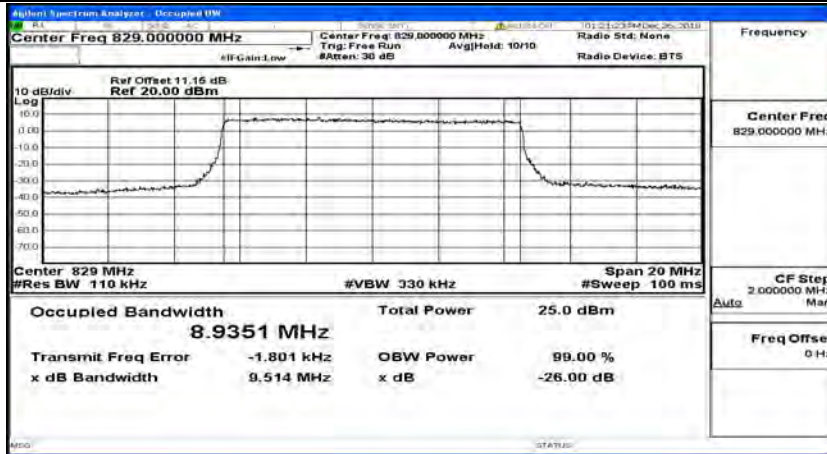
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz) MCH_QPSK



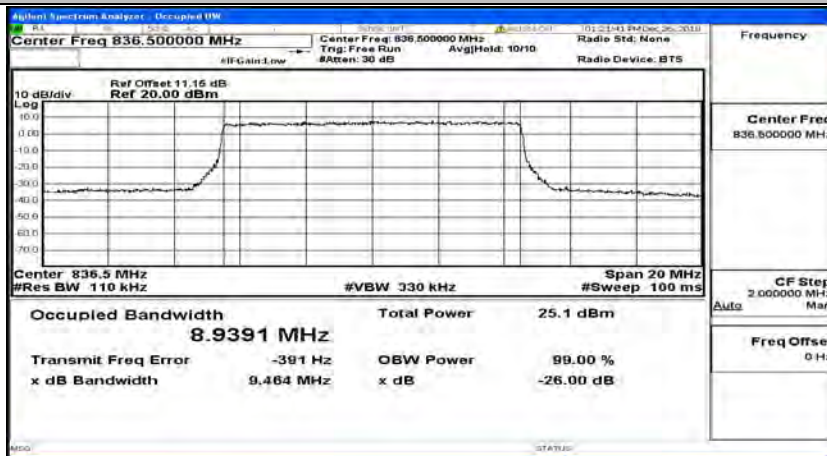
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz) HCH_QPSK



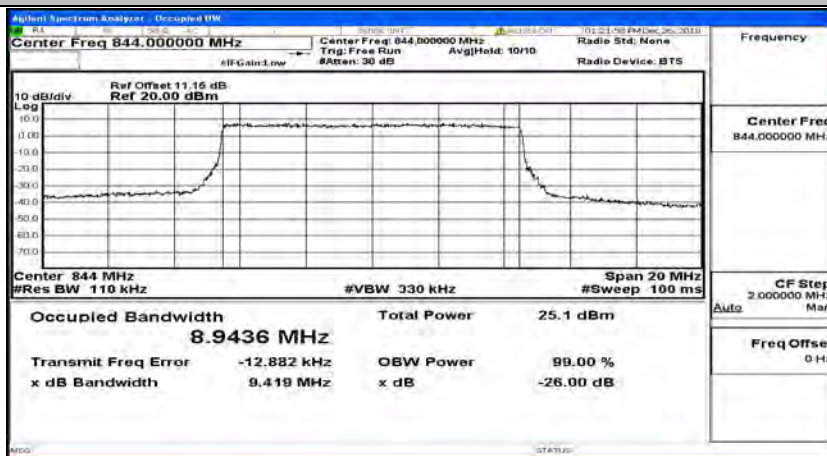
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM

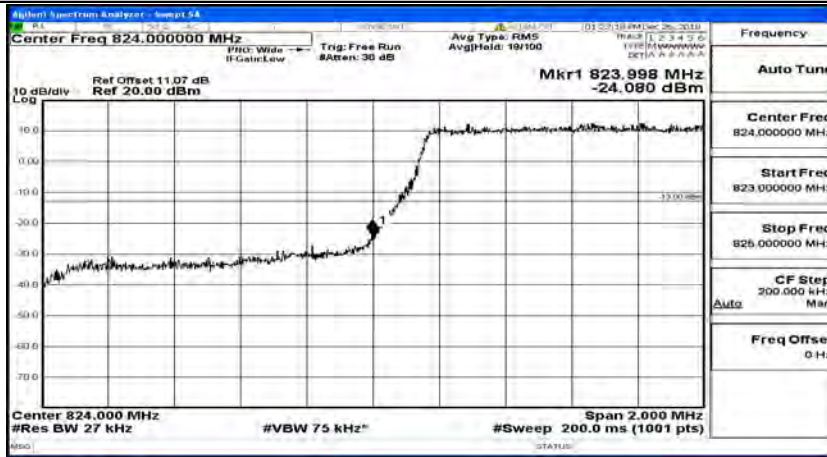


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



C.4 Band Edge

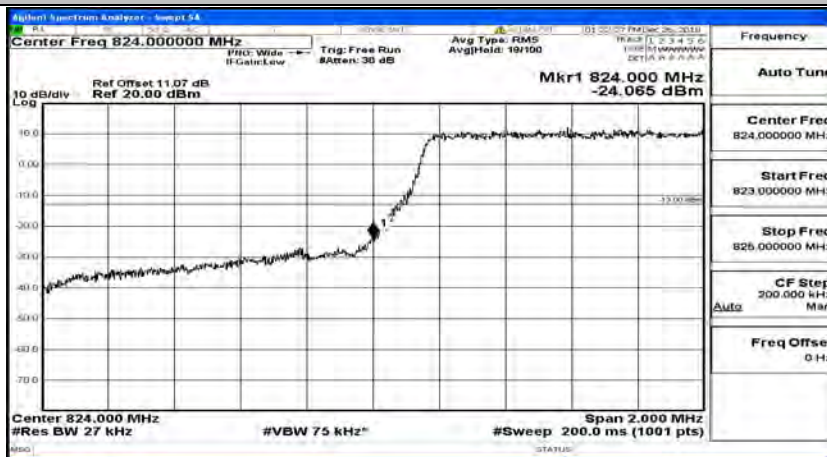
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



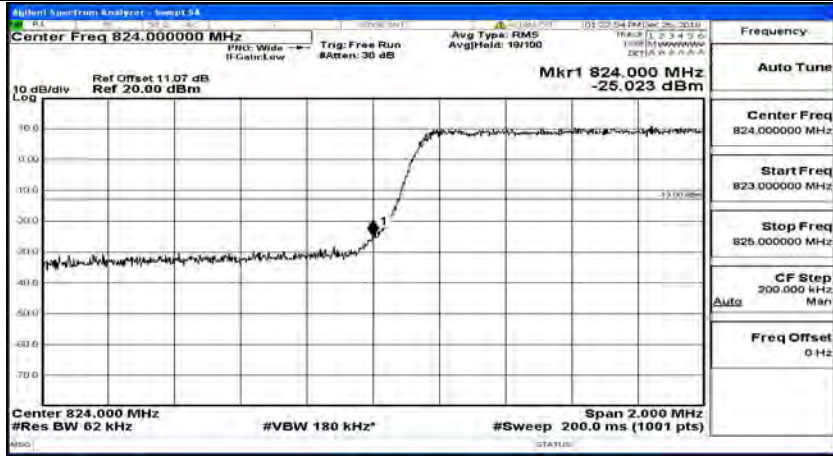
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



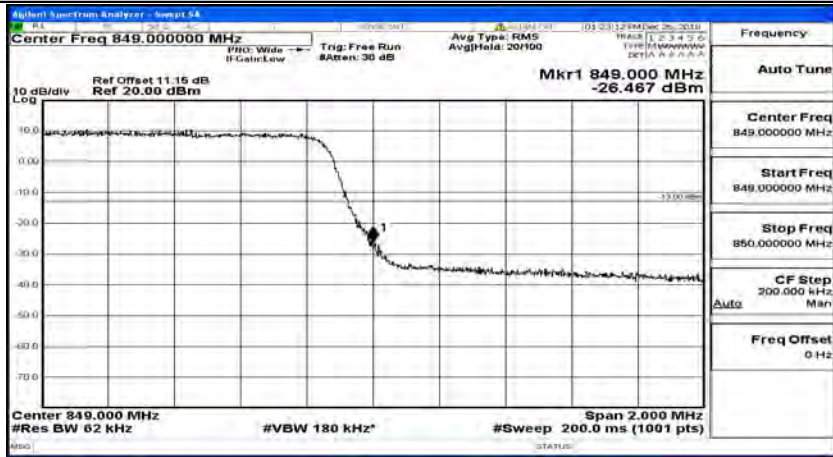
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



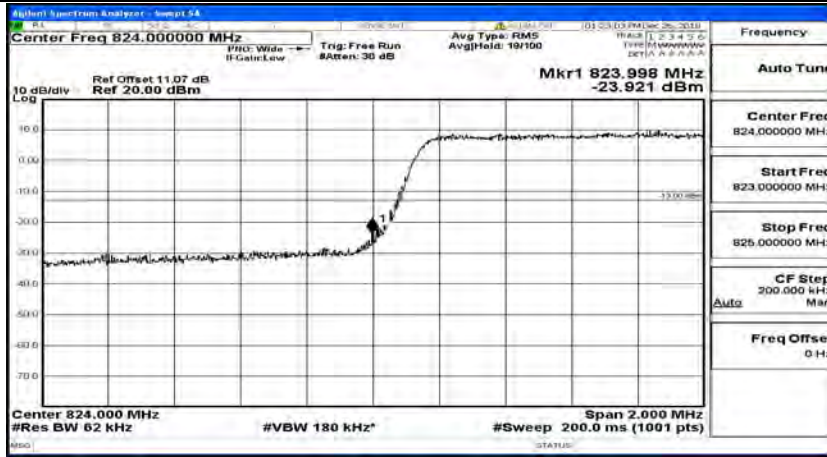
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



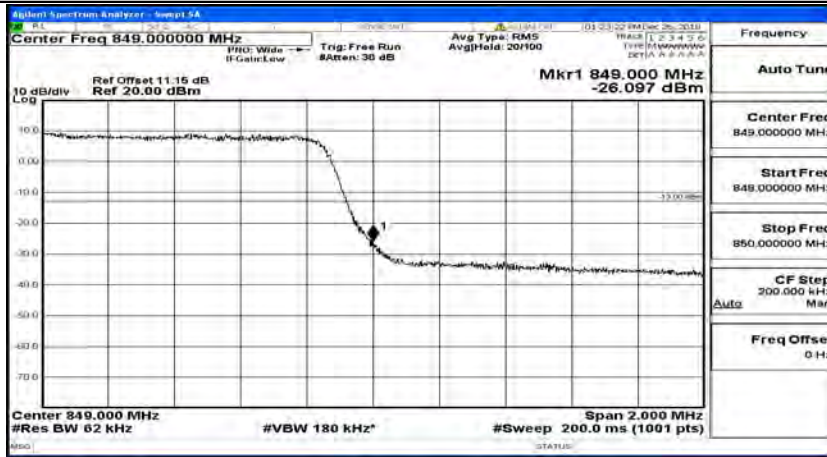
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



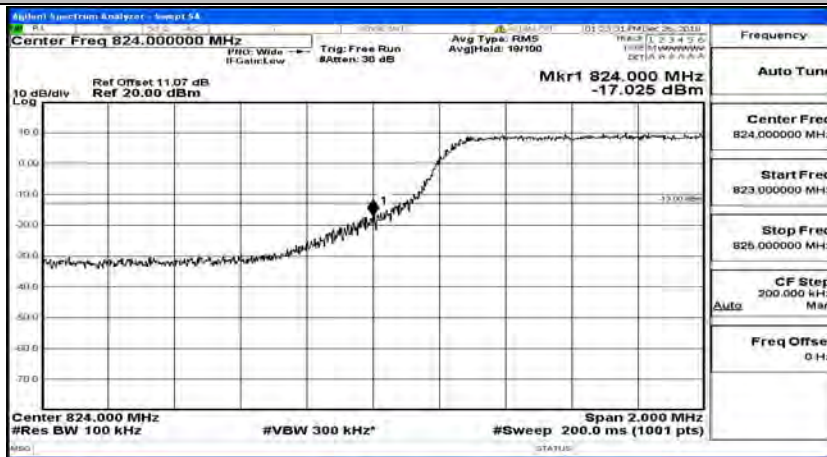
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



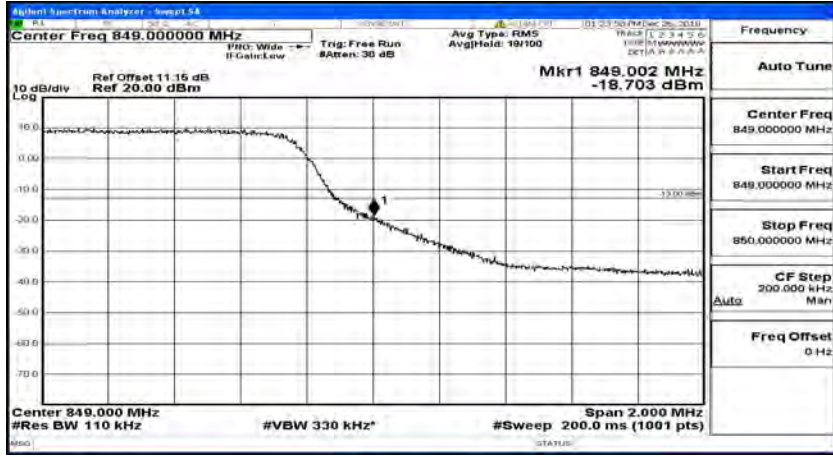
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



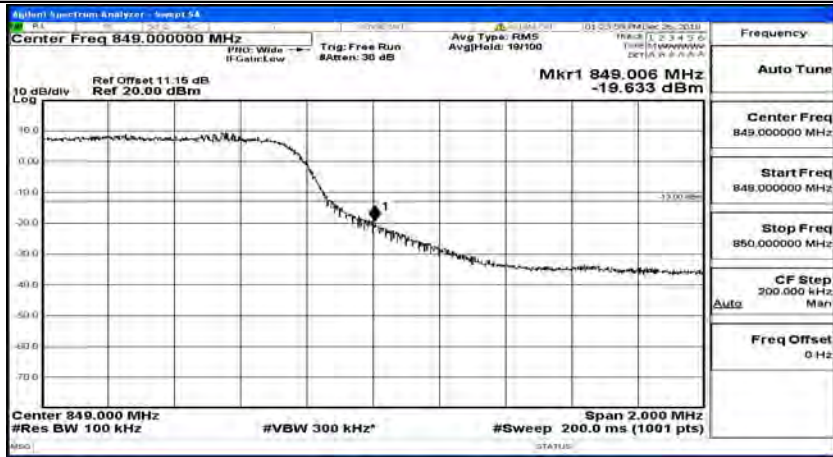
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



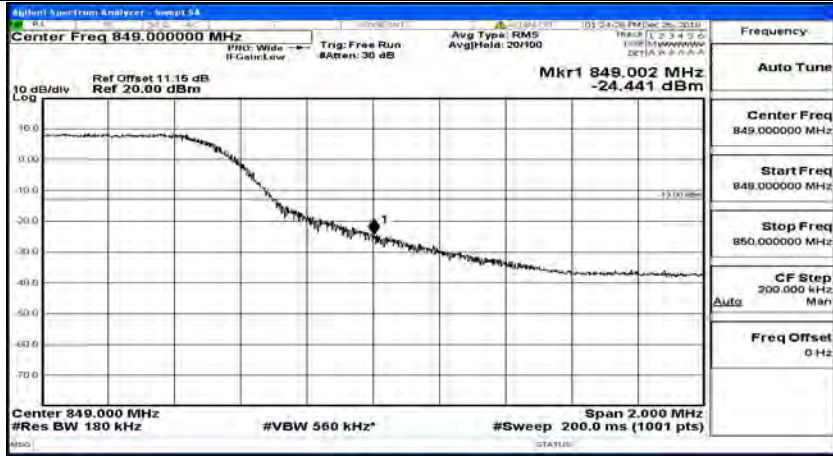
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



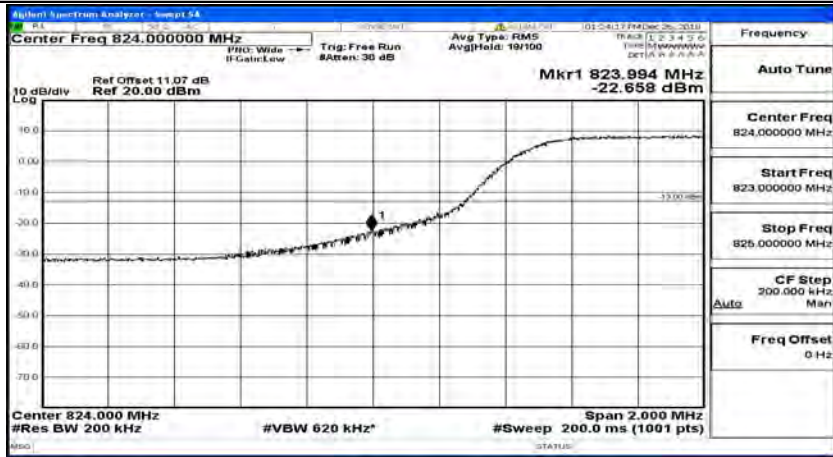
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



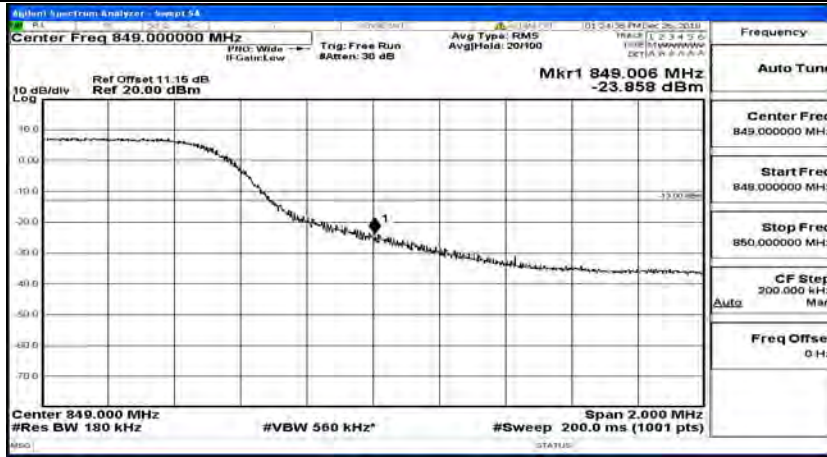
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

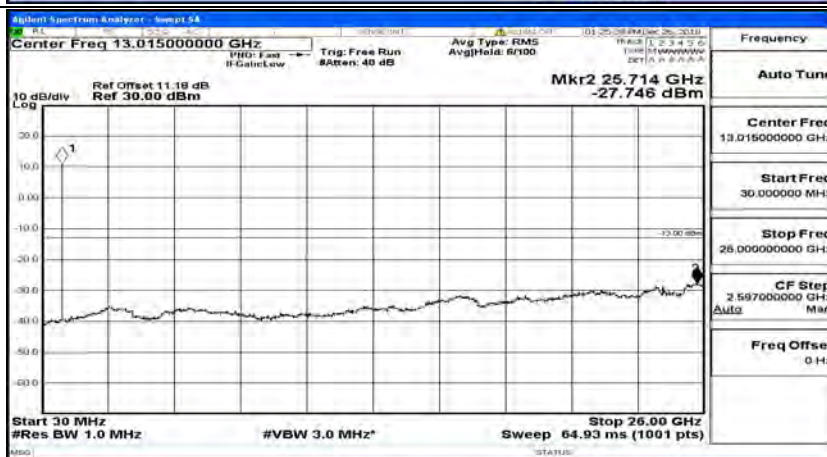
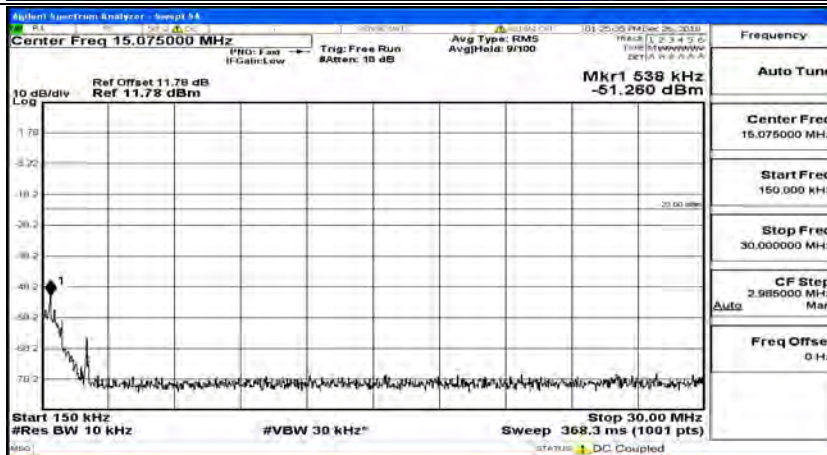
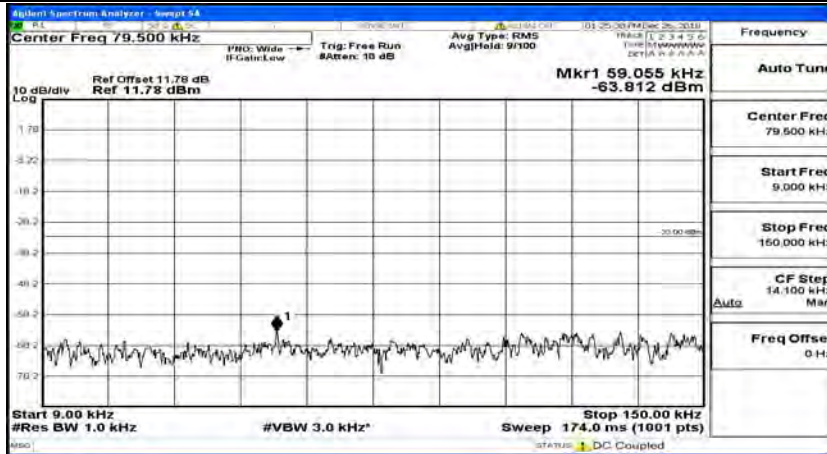


C.5 Conducted Spurious Emission

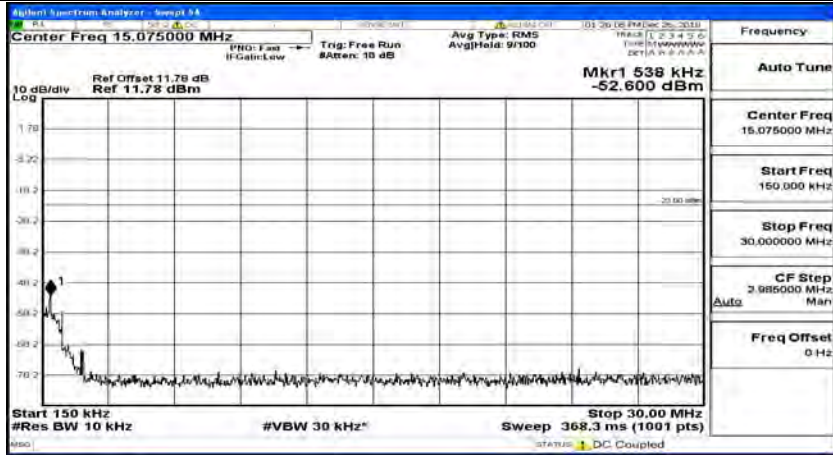
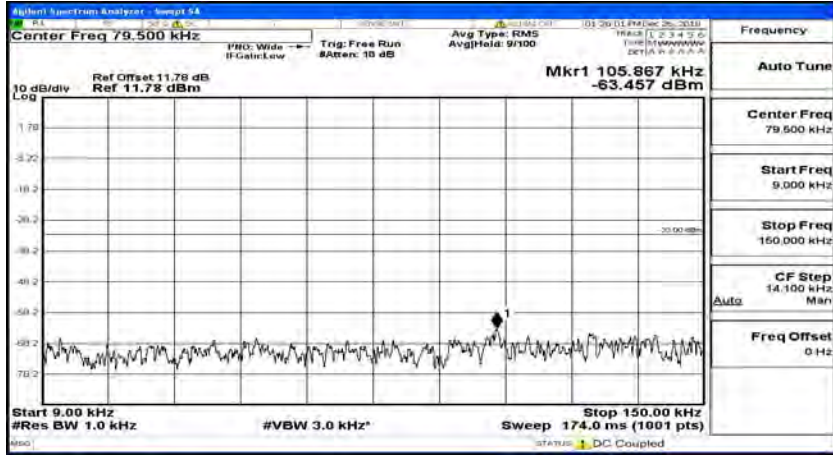
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz) _LCH_QPSK



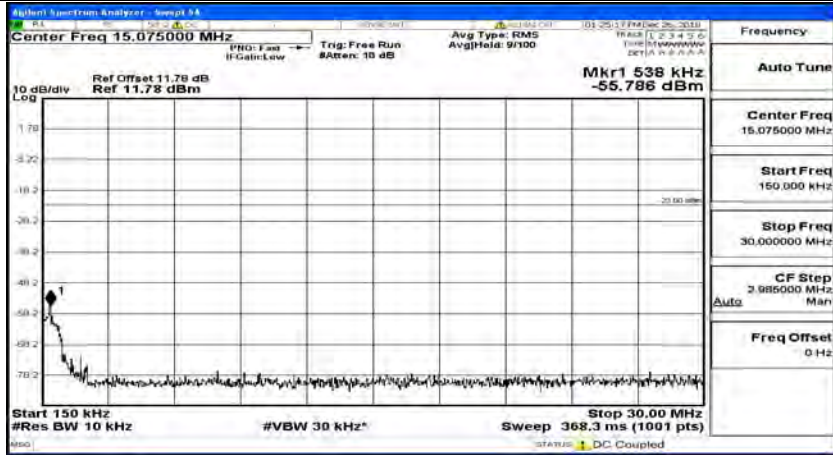
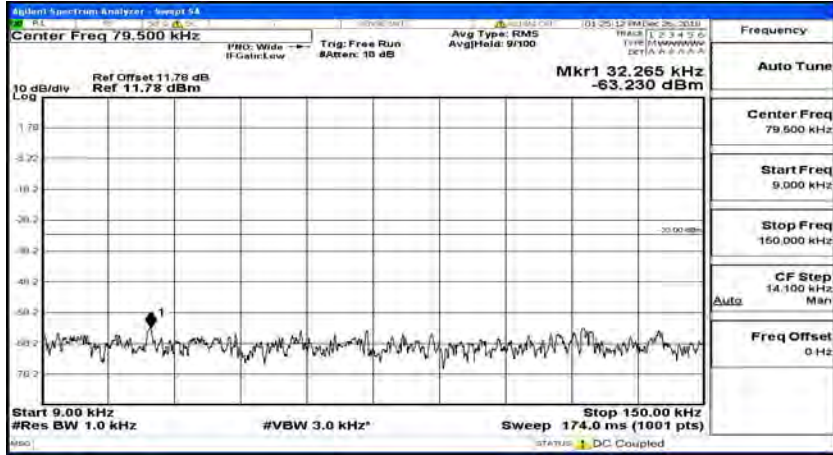
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



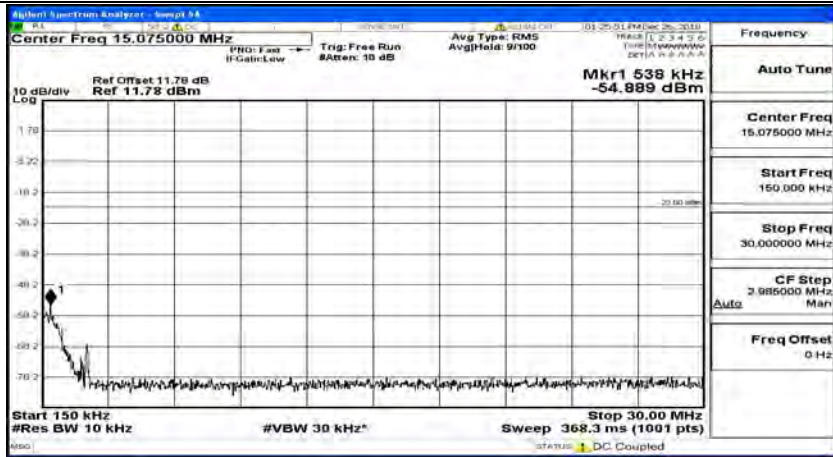
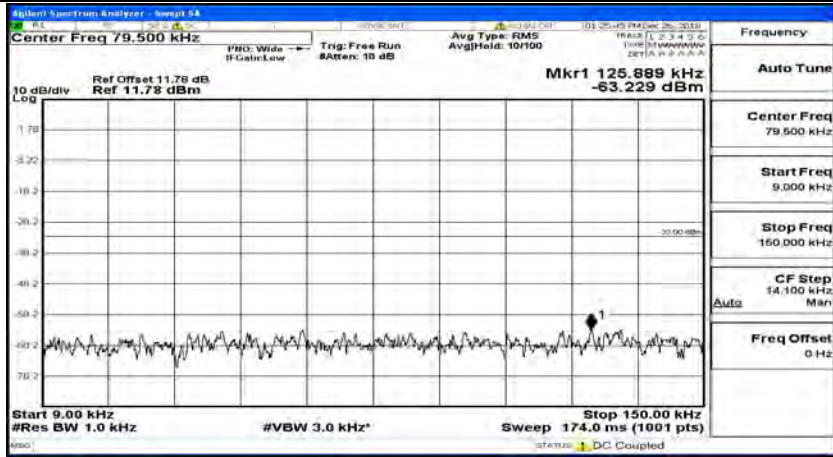
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



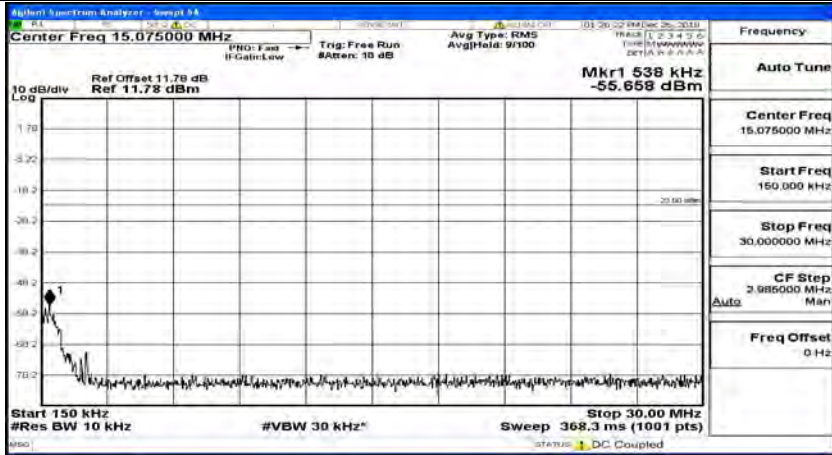
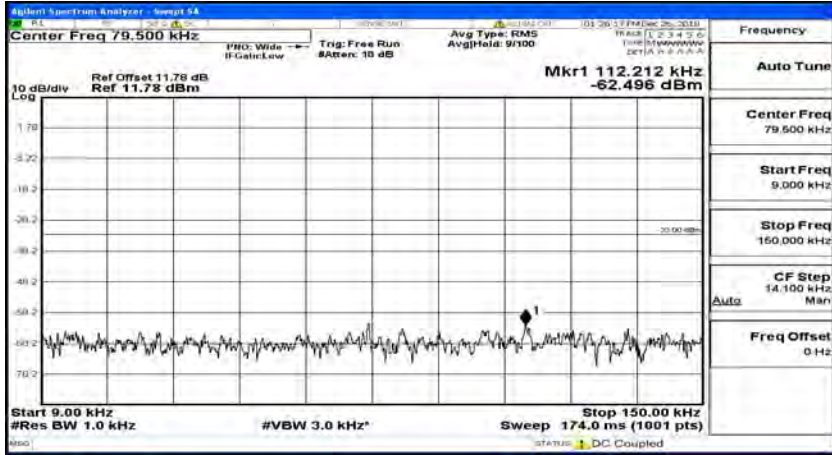
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



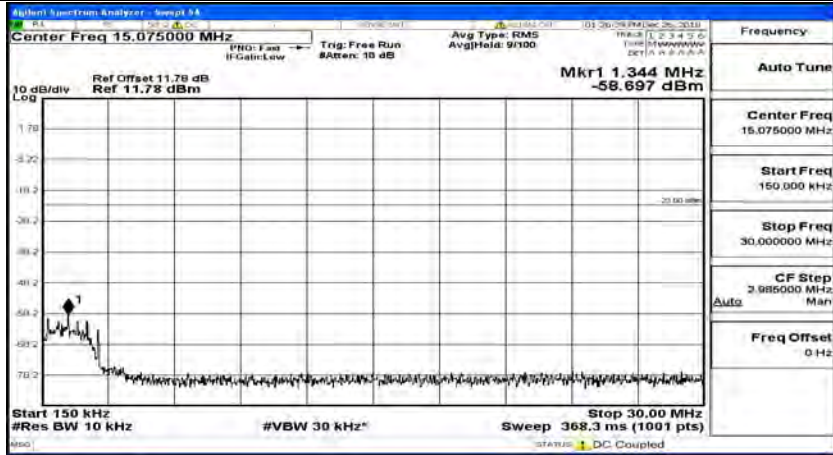
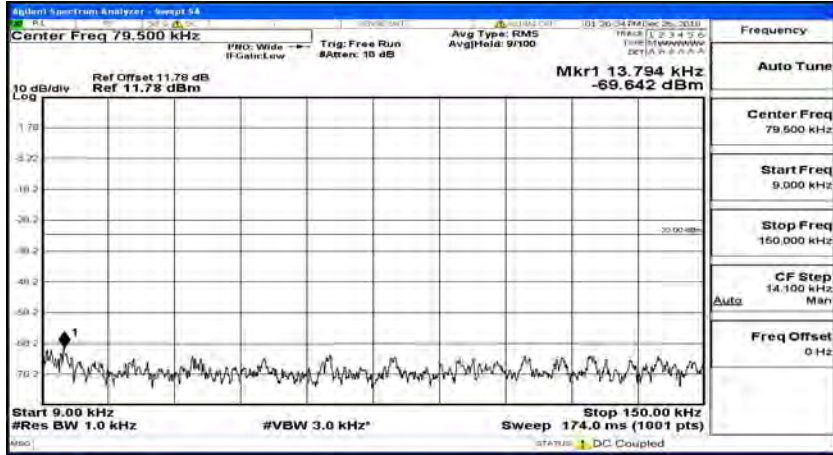
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



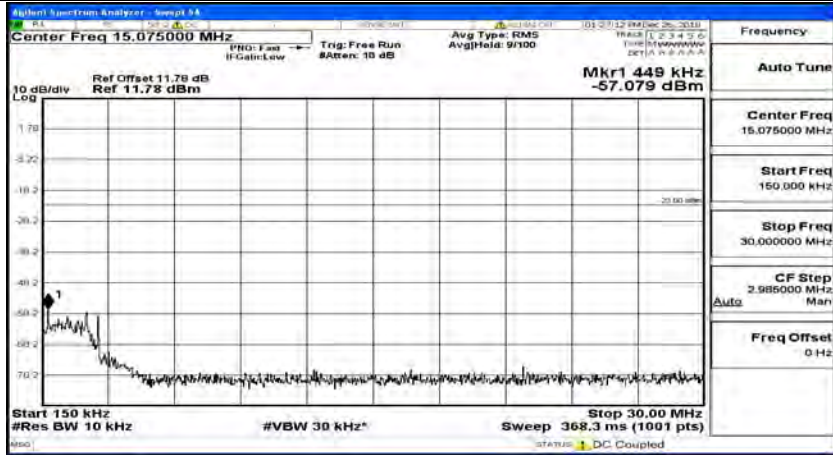
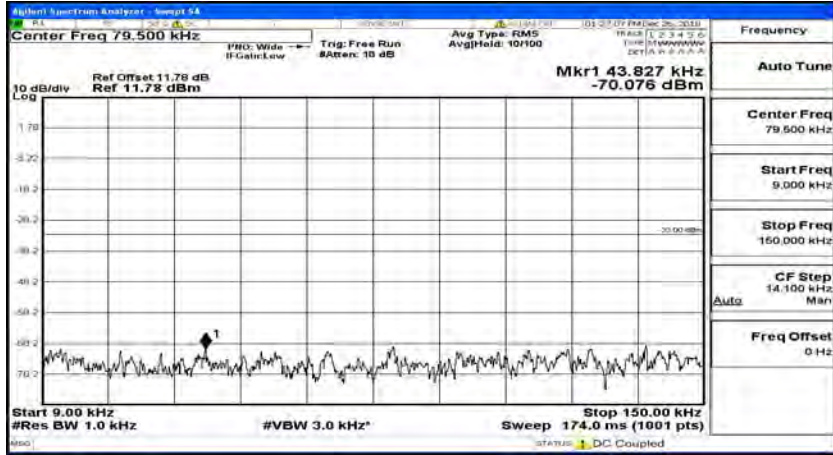
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



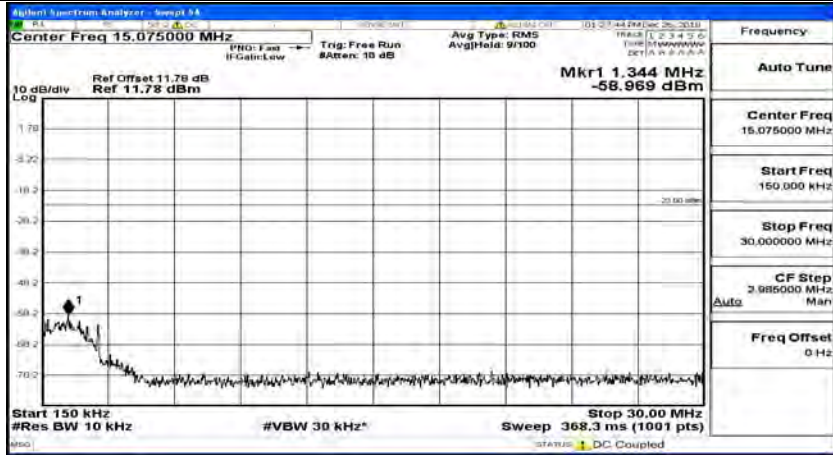
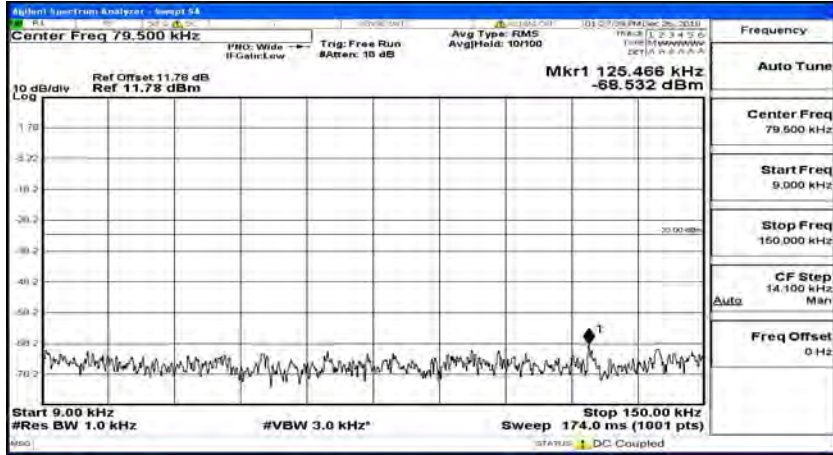
CSE Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



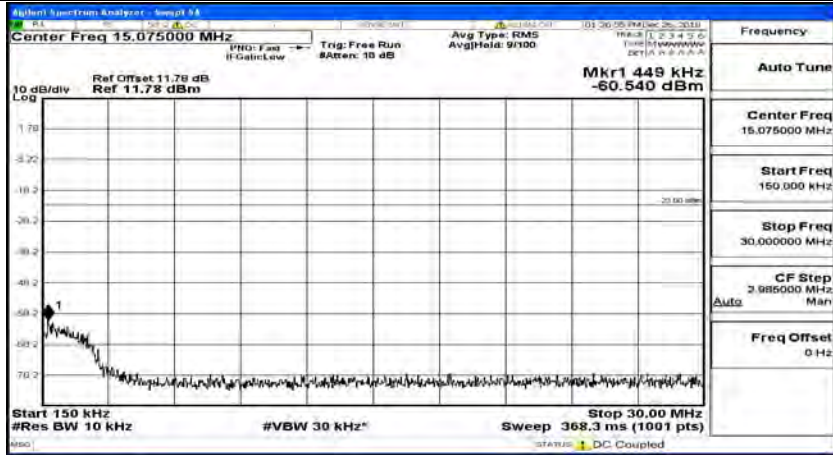
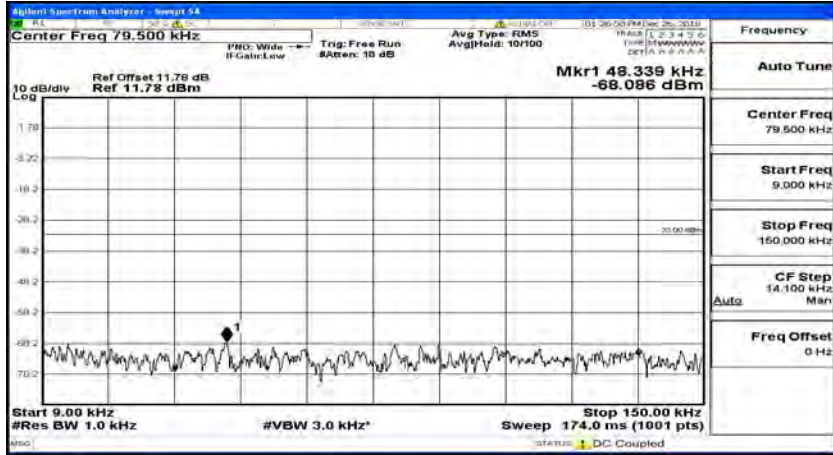
CSE Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



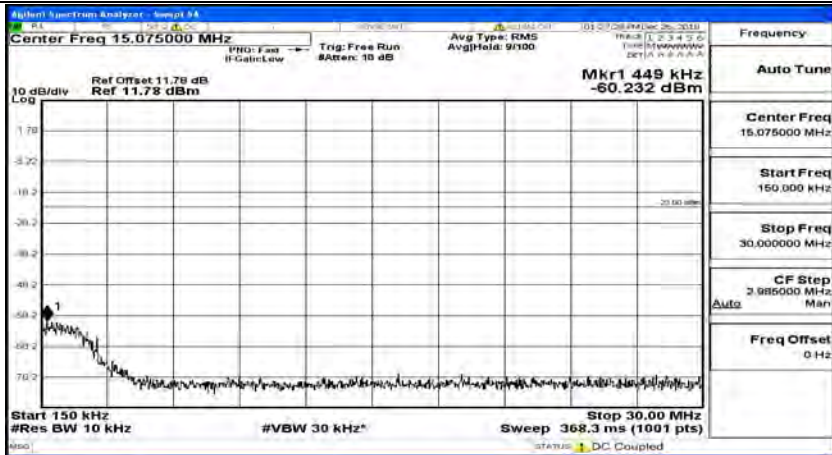
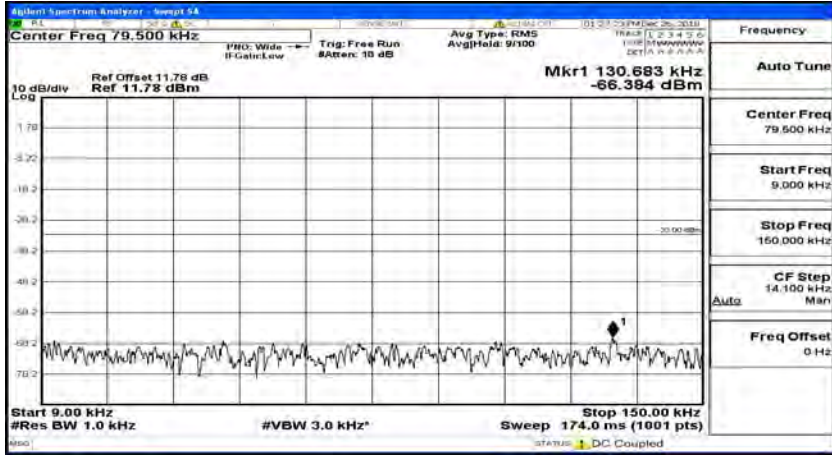
CSE Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



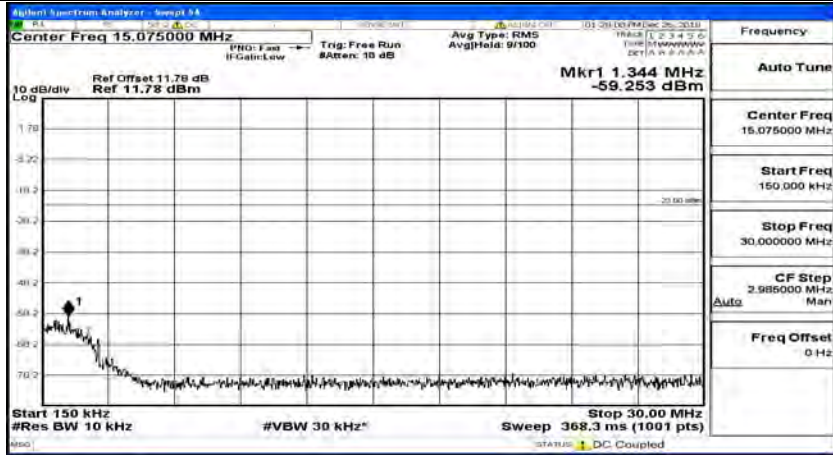
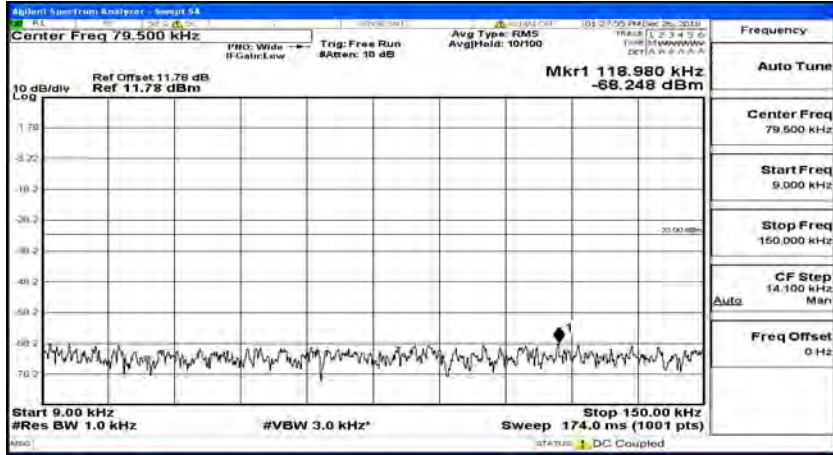
CSE Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



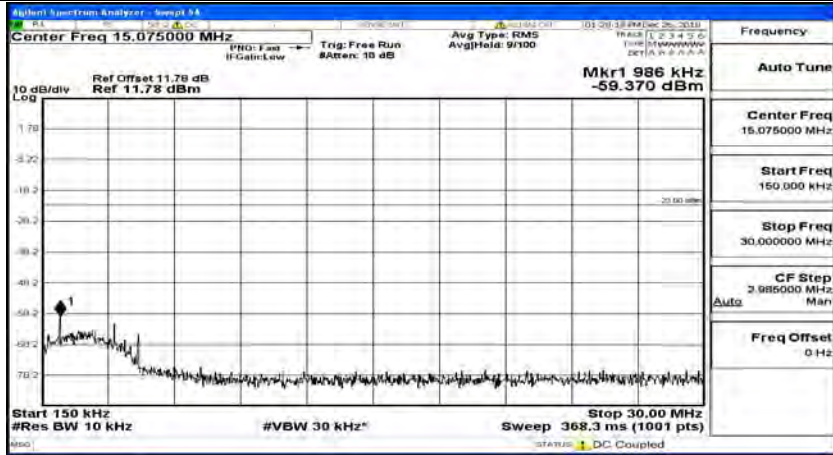
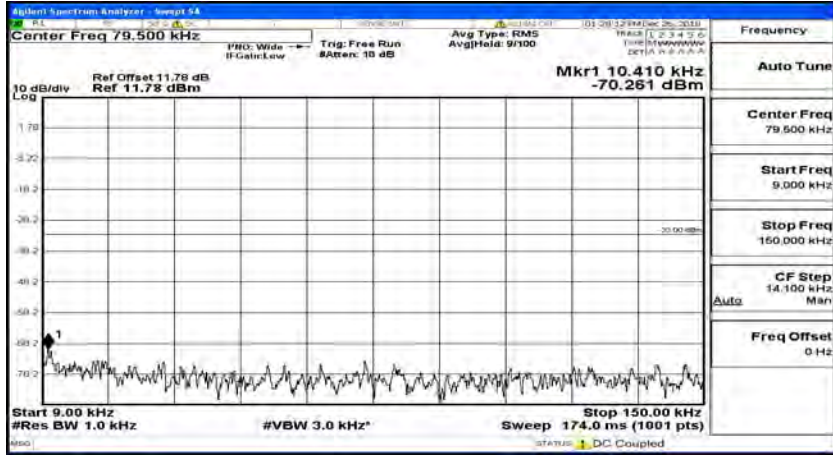
CSE Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



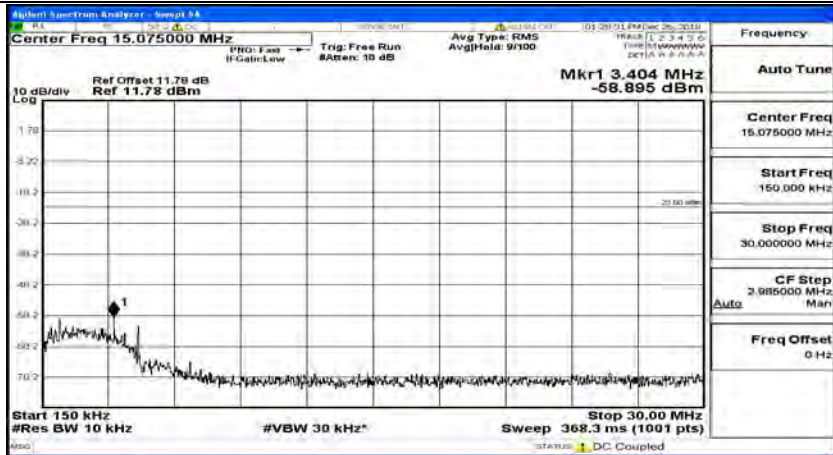
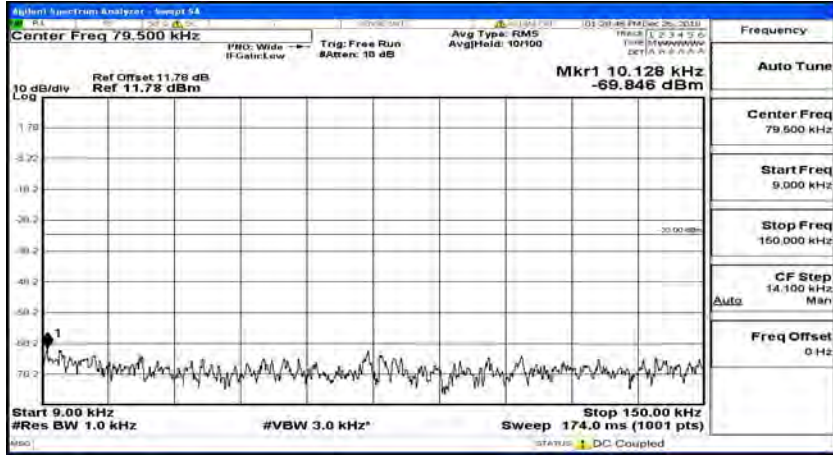
CSE Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



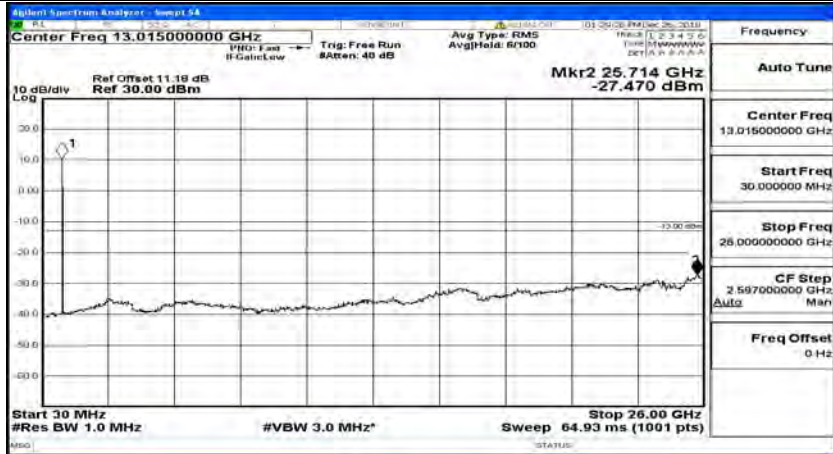
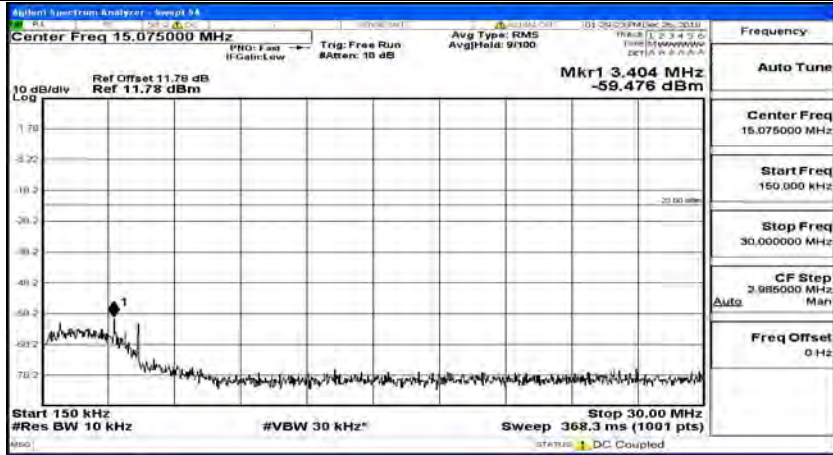
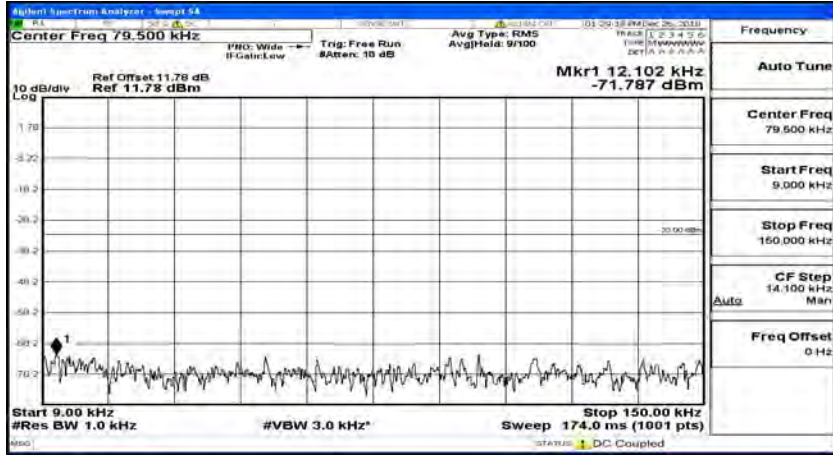
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



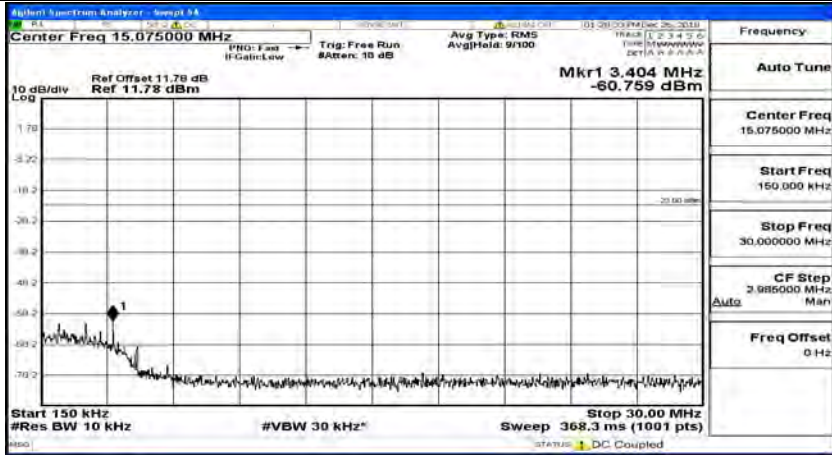
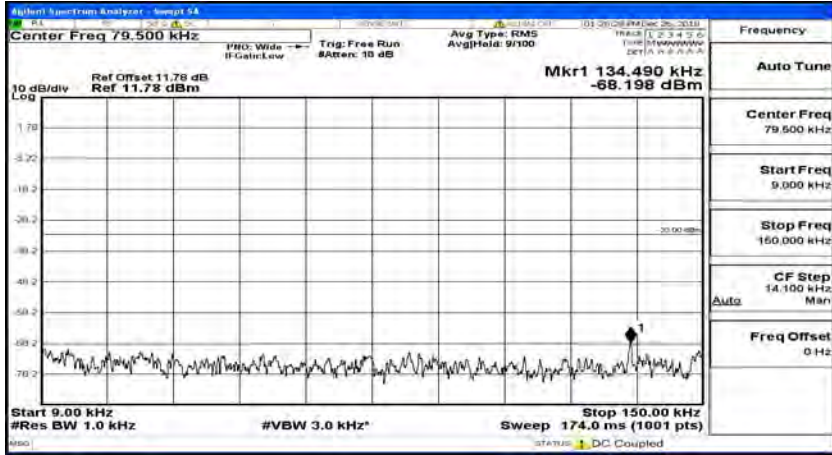
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



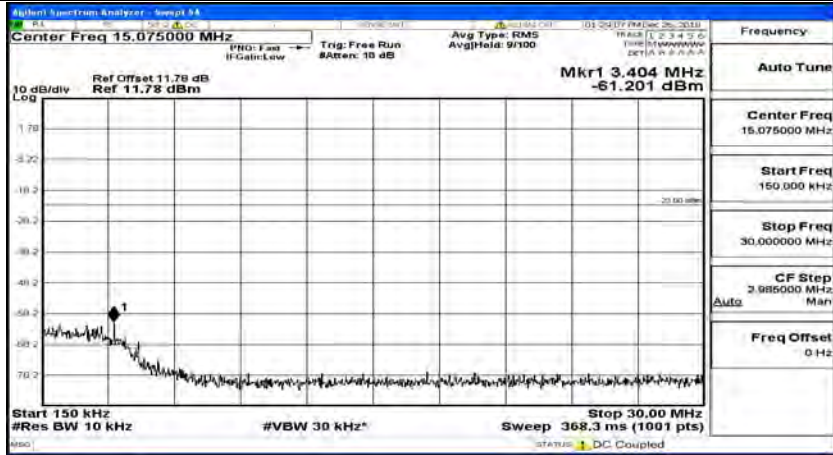
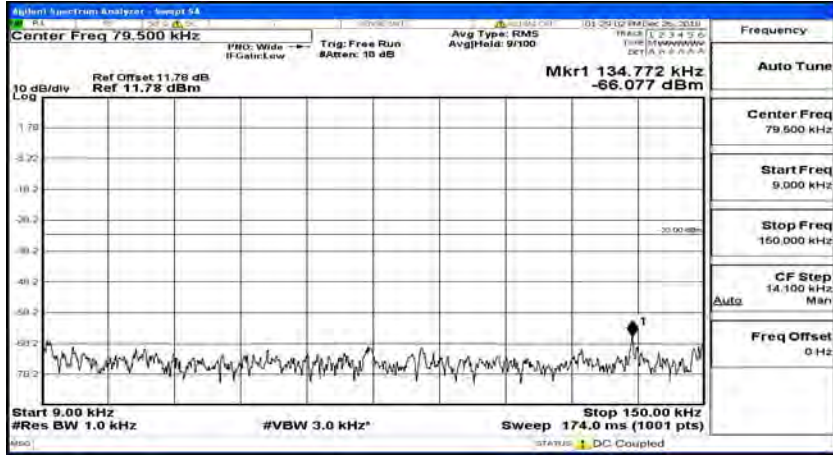
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



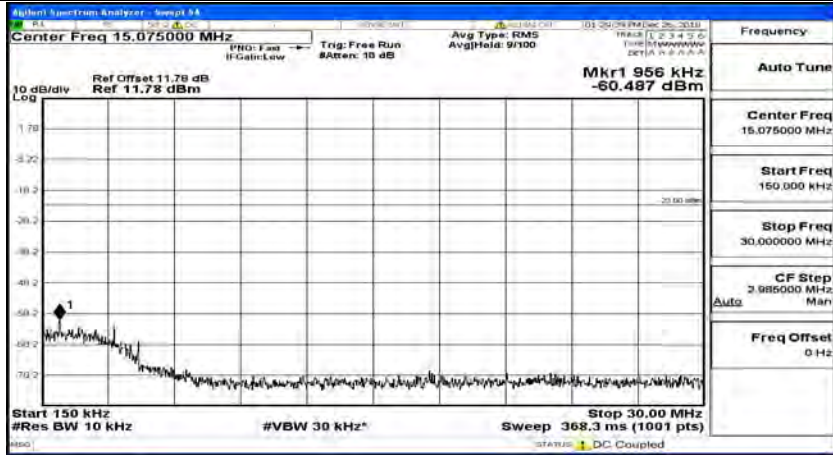
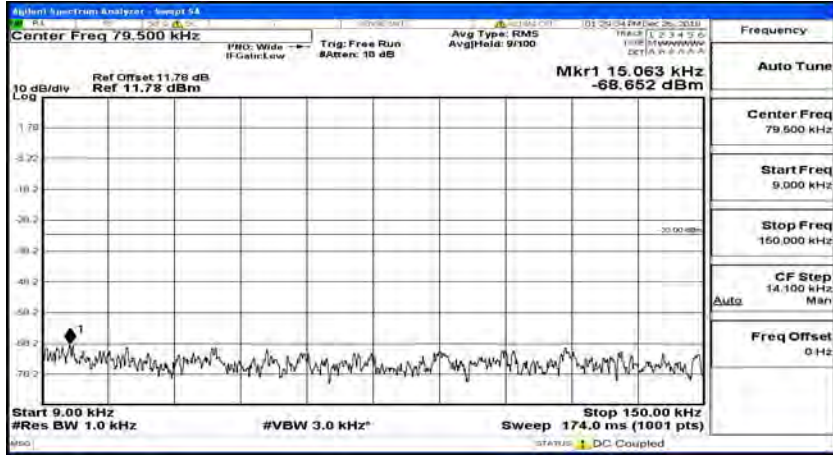
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



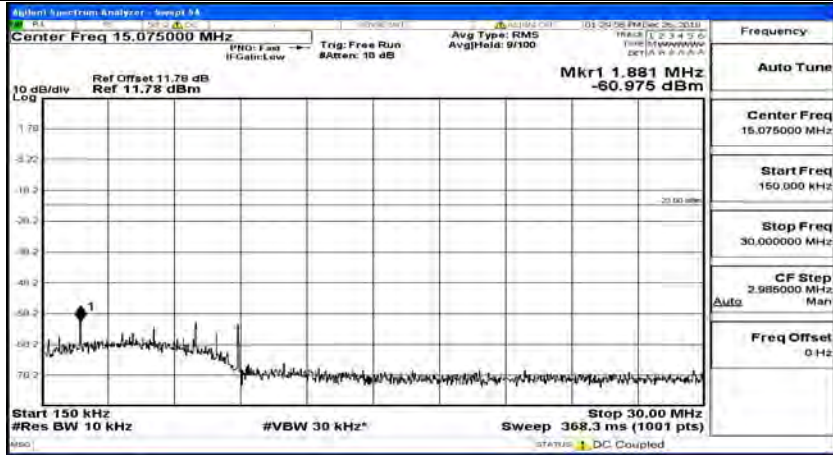
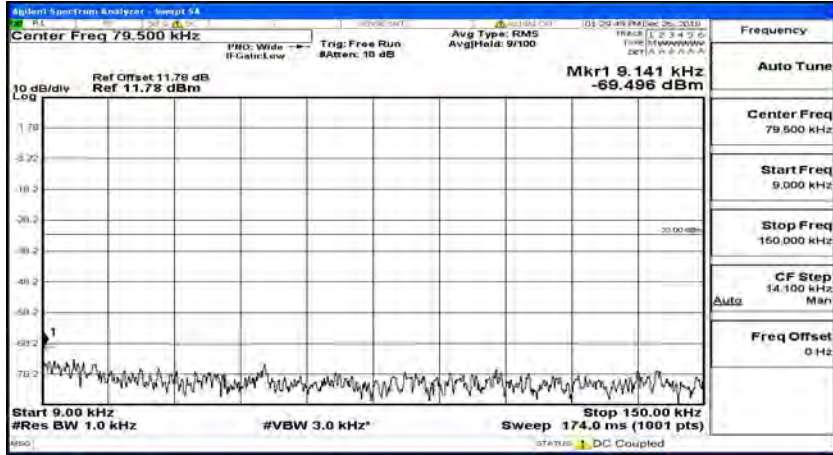
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



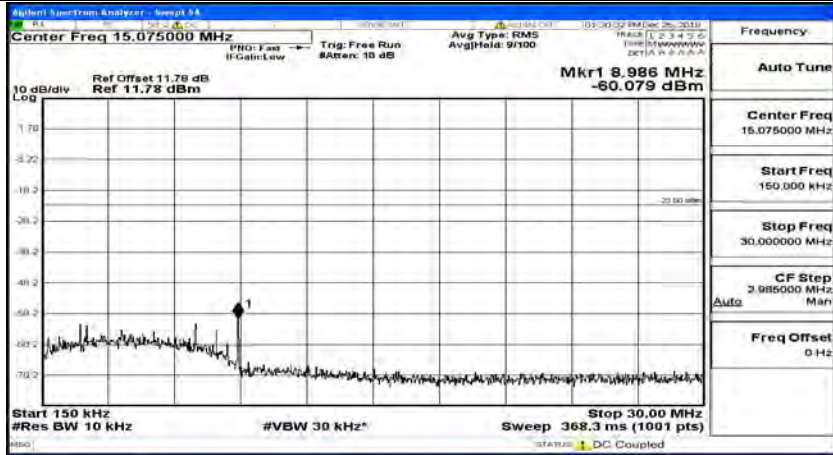
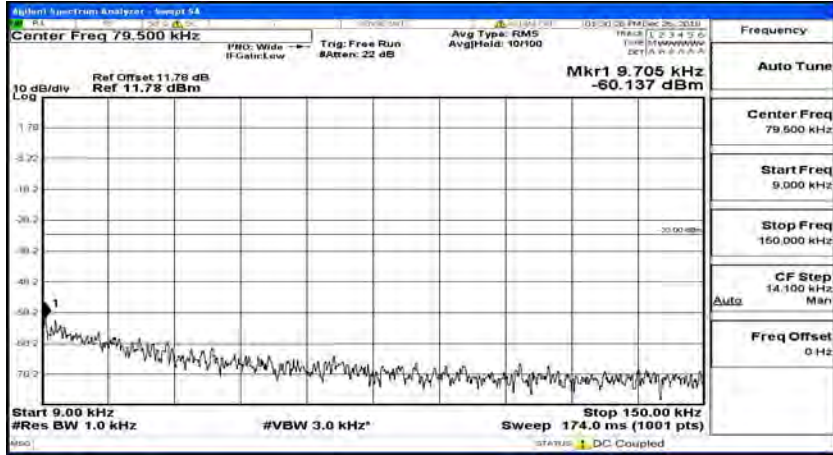
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



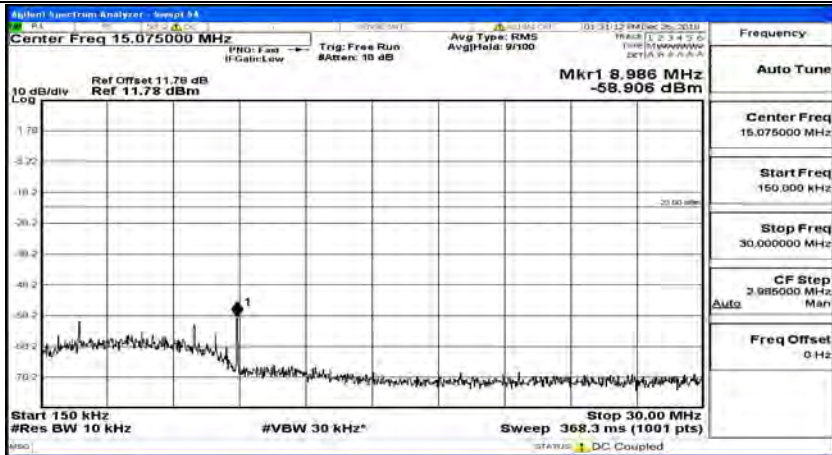
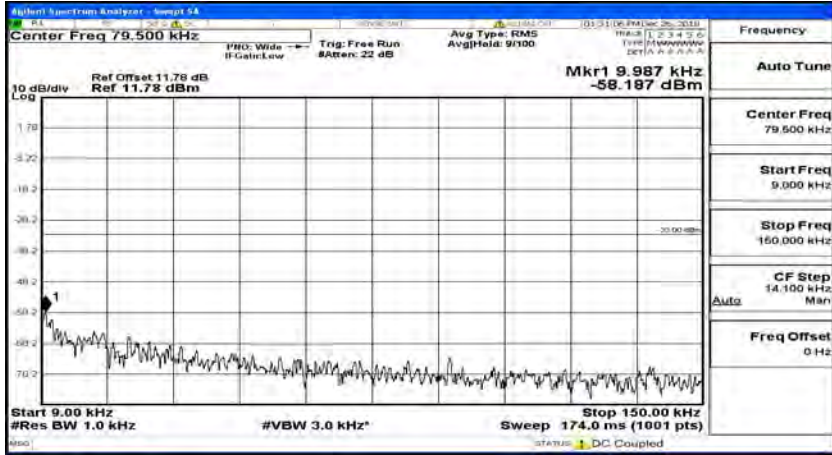
CSE Test Graph(s) (Channel Bandwidth: 10 MHz) LCH_QPSK



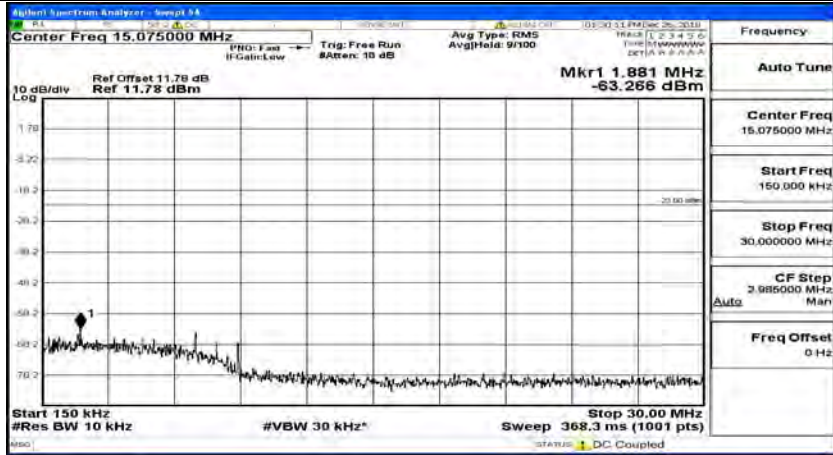
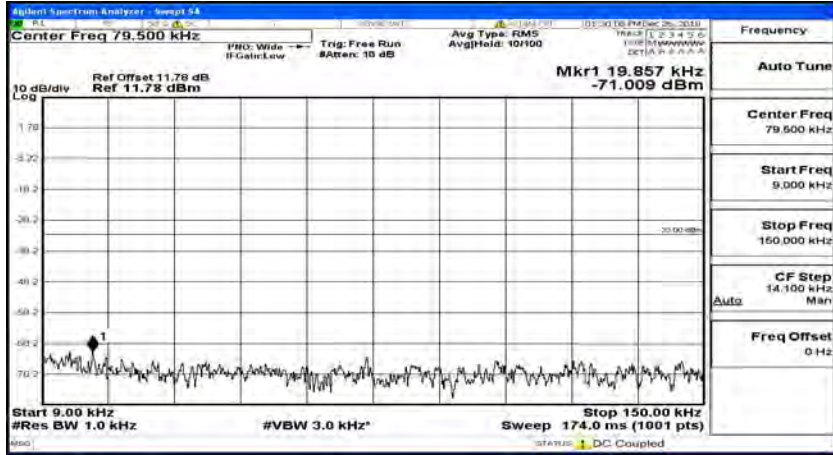
CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



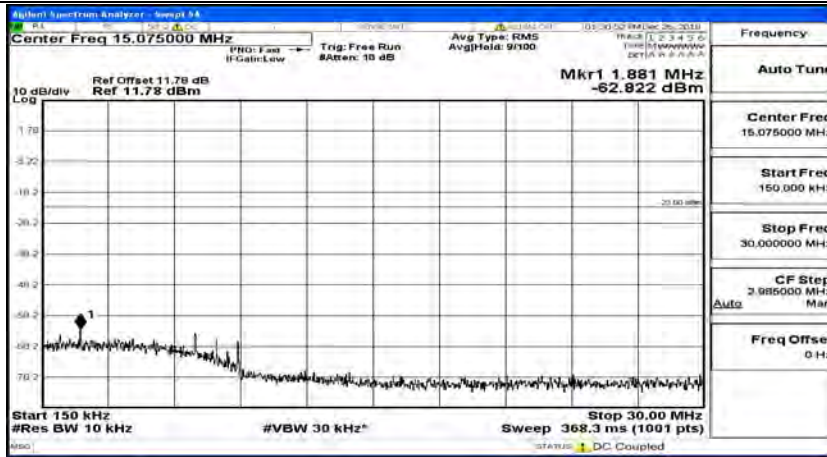
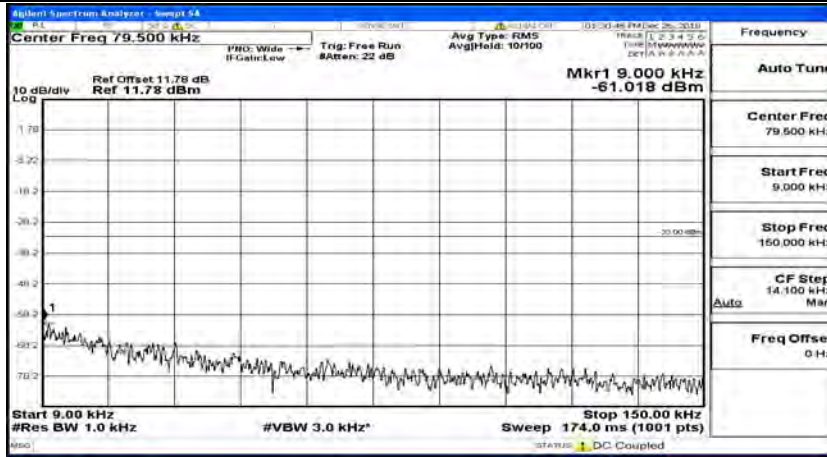
CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

