

Appendix D: Test Data for E-UTRA Band 12

Product Name: PERSONAL GPS TRACKER

Trade Mark: Meitrack

Test Model: MT90L

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	lihuan
Supervised by:	Tom.Liu

A.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	25.29	24.27	PASS
		1	3	25.39	24.92	PASS
		1	5	25.36	24.38	PASS
		3	0	25.20	24.36	PASS
		3	2	25.30	24.34	PASS
		3	3	25.27	24.40	PASS
		6	0	24.21	23.11	PASS
	MCH	1	0	25.16	24.33	PASS
		1	3	25.33	24.44	PASS
		1	5	25.12	24.29	PASS
		3	0	25.09	24.53	PASS
		3	2	25.27	24.67	PASS
		3	3	25.35	24.54	PASS
		6	0	24.05	23.03	PASS
	HCH	1	0	24.82	23.13	PASS
		1	3	24.97	23.59	PASS
		1	5	24.92	23.39	PASS
		3	0	24.55	23.14	PASS
		3	2	24.81	23.91	PASS
		3	3	24.86	23.81	PASS
		6	0	23.63	22.77	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	25.30	24.70	PASS
		1	7	25.10	24.71	PASS
		1	14	25.17	24.70	PASS
		8	0	24.16	23.46	PASS
		8	4	24.29	23.62	PASS
		8	7	24.17	23.50	PASS
		15	0	24.10	23.26	PASS
	MCH	1	0	25.27	24.24	PASS
		1	7	25.26	24.20	PASS
		1	14	25.19	24.70	PASS
		8	0	24.21	23.47	PASS
		8	4	24.24	23.57	PASS
		8	7	24.22	23.51	PASS
		15	0	24.08	23.11	PASS
	HCH	1	0	24.65	23.85	PASS
		1	7	24.50	23.52	PASS
		1	14	24.89	24.16	PASS
		8	0	23.48	22.22	PASS
		8	4	23.52	22.14	PASS
		8	7	23.52	22.40	PASS
		15	0	23.48	22.32	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	24.95	24.06	PASS
		1	12	25.00	24.33	PASS
		1	24	25.34	24.36	PASS
		12	0	24.08	23.27	PASS
		12	6	24.00	23.20	PASS
		12	13	23.89	23.53	PASS
		25	0	24.00	23.07	PASS
	MCH	1	0	25.00	24.22	PASS
		1	12	25.42	24.31	PASS
		1	24	25.24	24.30	PASS
		12	0	24.04	23.15	PASS
		12	6	24.13	23.21	PASS
		12	13	24.04	23.19	PASS
		25	0	23.92	22.99	PASS
	HCH	1	0	24.69	22.83	PASS
		1	12	24.53	22.58	PASS
		1	24	24.84	23.33	PASS
		12	0	23.54	22.66	PASS
		12	6	23.45	22.50	PASS
		12	13	23.39	22.49	PASS
		25	0	23.55	22.85	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	24.94	24.76	PASS
		1	24	24.92	24.77	PASS
		1	49	24.97	24.64	PASS
		25	0	23.94	22.98	PASS
		25	12	24.01	23.08	PASS
		25	25	23.98	23.18	PASS
		50	0	23.95	23.00	PASS
	MCH	1	0	24.92	24.06	PASS
		1	24	25.37	24.64	PASS
		1	49	24.75	24.32	PASS
		25	0	23.89	22.92	PASS
		25	12	24.10	23.09	PASS
		25	25	23.85	22.94	PASS
		50	0	23.80	22.85	PASS
	HCH	1	0	25.00	24.23	PASS
		1	24	25.16	24.38	PASS
		1	49	24.41	23.60	PASS
		25	0	24.00	23.06	PASS
		25	12	23.85	22.99	PASS
		25	25	23.43	22.51	PASS
		50	0	23.69	22.69	PASS

A.2 Peak-to-Average Ratio

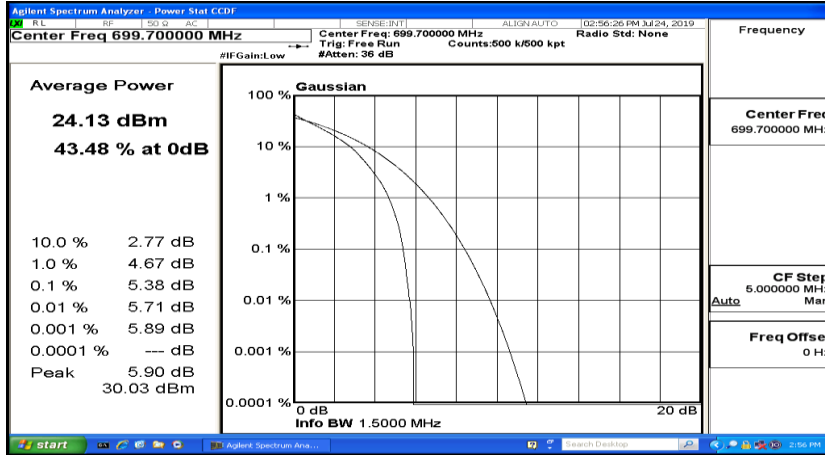
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.38	<13	PASS
	MCH	5.54	<13	PASS
	HCH	5.3	<13	PASS
16QAM	LCH	6.24	<13	PASS
	MCH	6.45	<13	PASS
	HCH	6.19	<13	PASS

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	5.57	<13	PASS
	HCH	5.42	<13	PASS
16QAM	LCH	6.36	<13	PASS
	MCH	6.49	<13	PASS
	HCH	6.2	<13	PASS

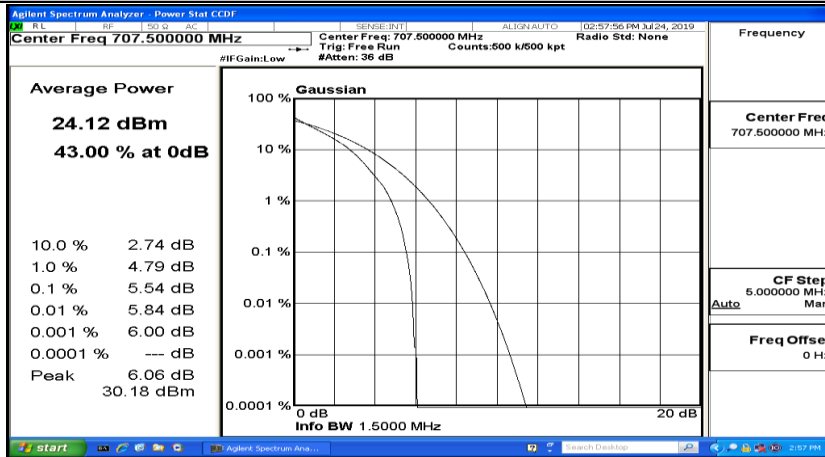
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.4	<13	PASS
	MCH	5.49	<13	PASS
	HCH	5.3	<13	PASS
16QAM	LCH	6.26	<13	PASS
	MCH	6.34	<13	PASS
	HCH	6.13	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.4	<13	PASS
	MCH	5.33	<13	PASS
	HCH	5.12	<13	PASS
16QAM	LCH	6.23	<13	PASS
	MCH	6.18	<13	PASS
	HCH	6.04	<13	PASS

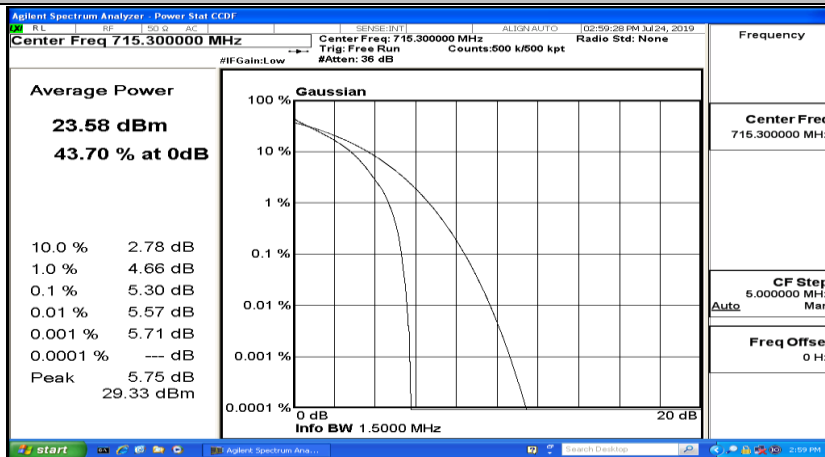
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



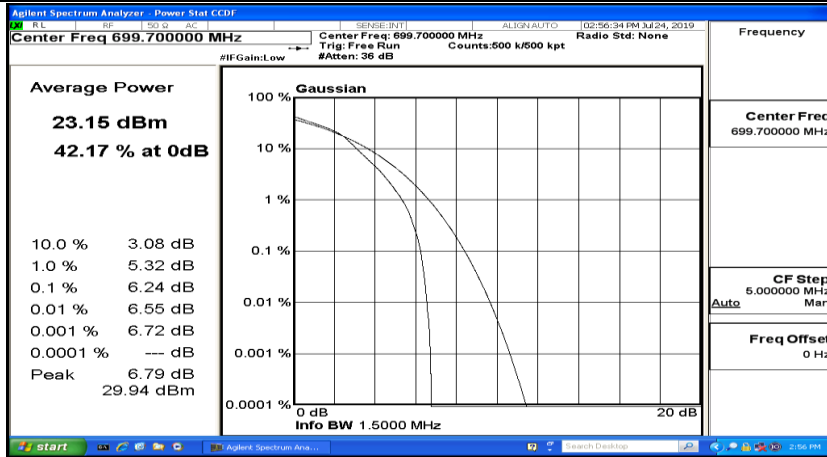
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



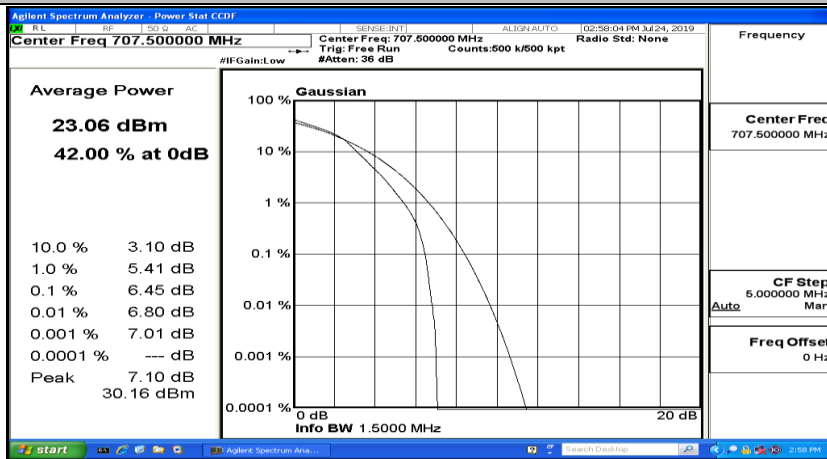
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



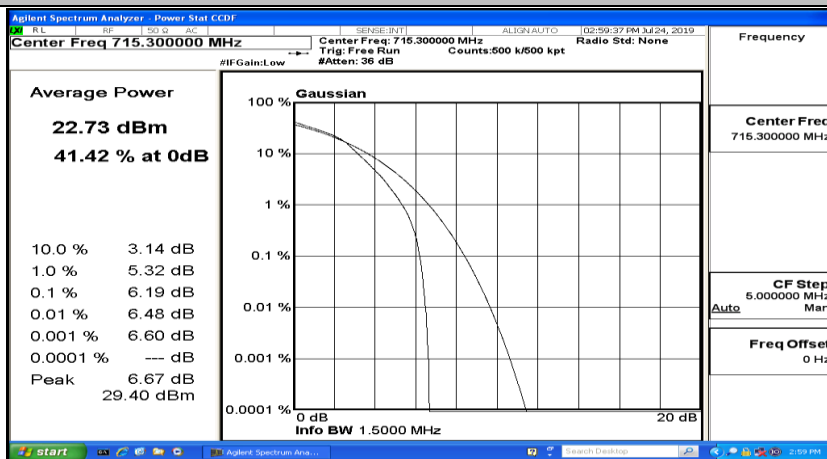
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



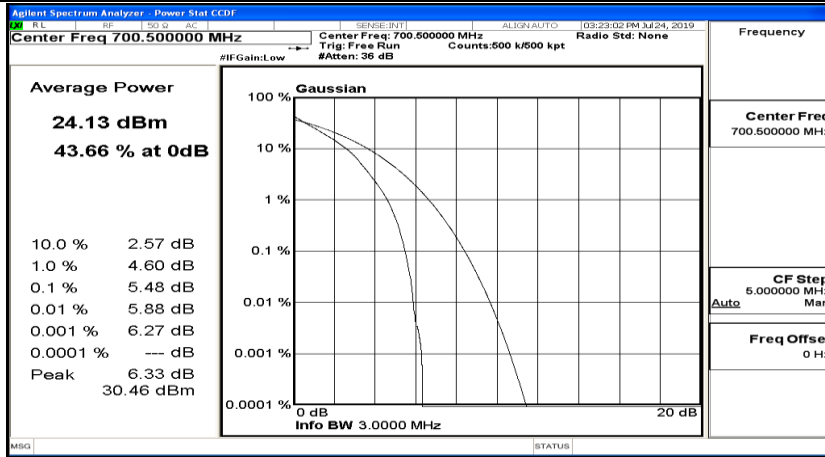
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



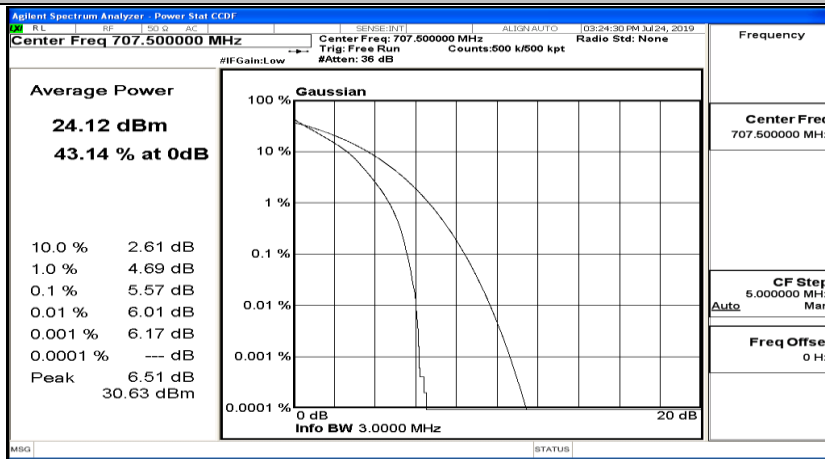
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



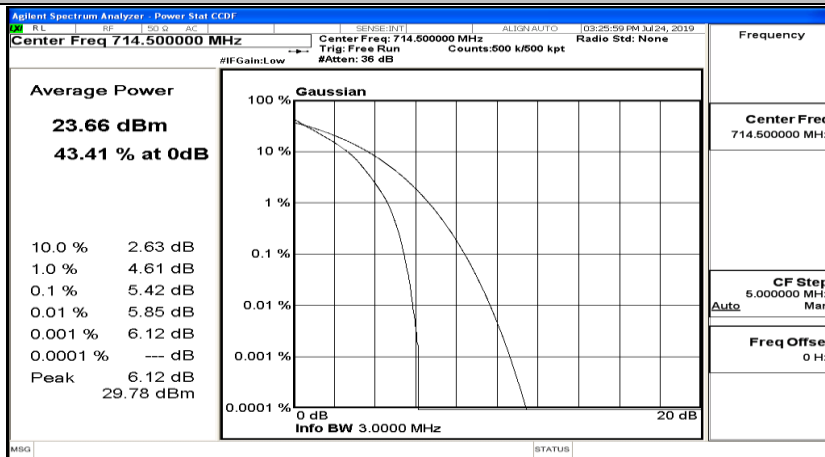
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



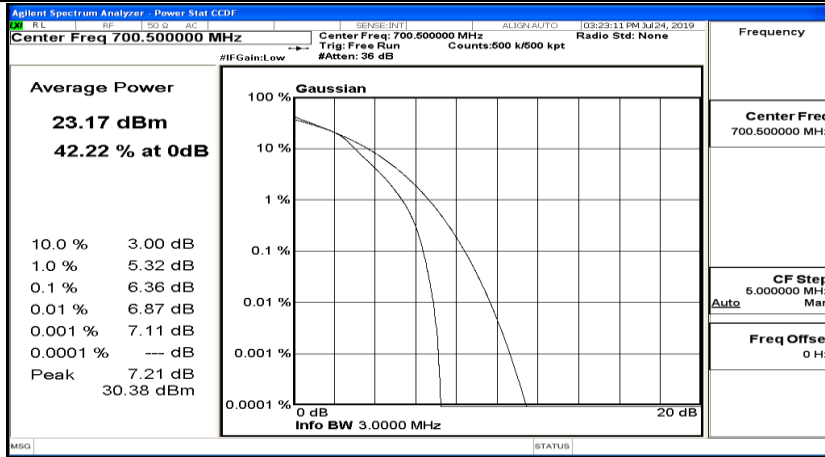
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



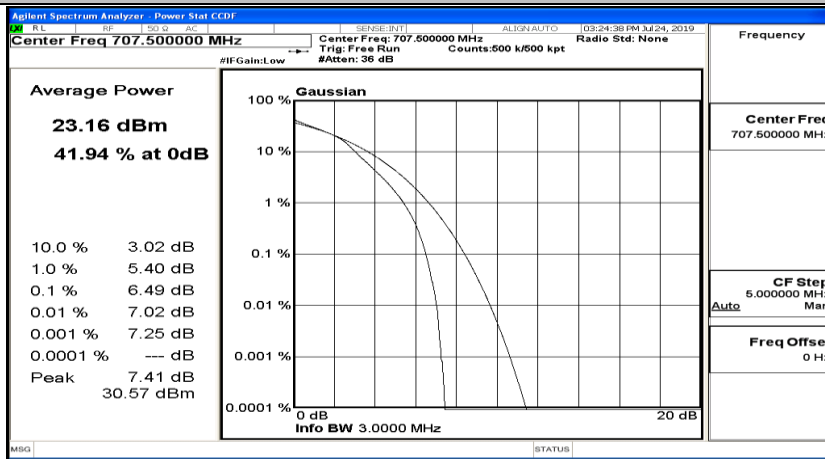
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



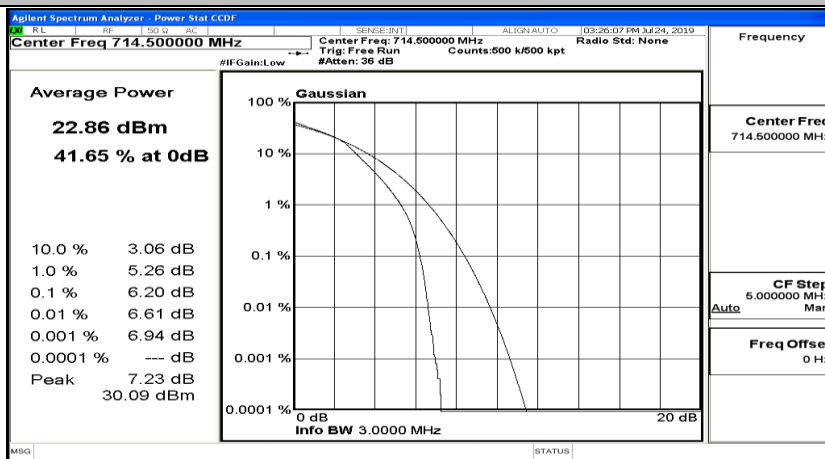
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



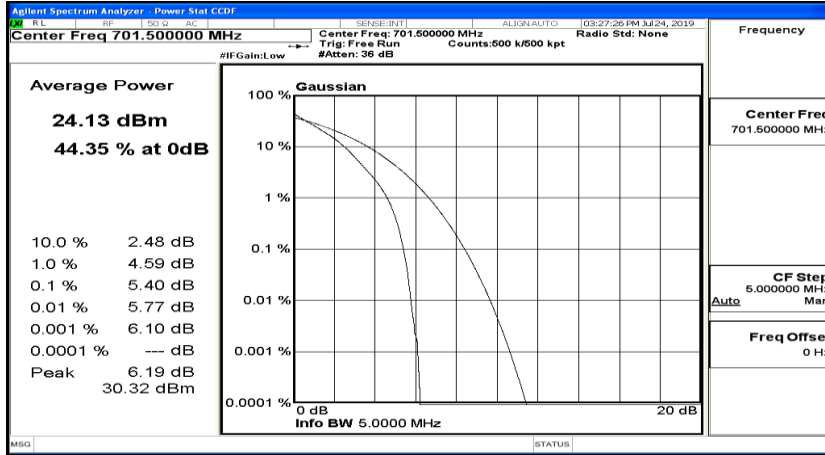
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



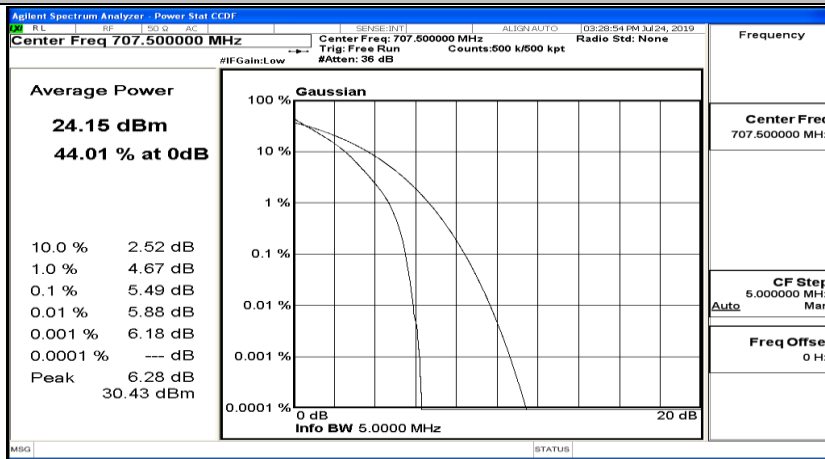
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



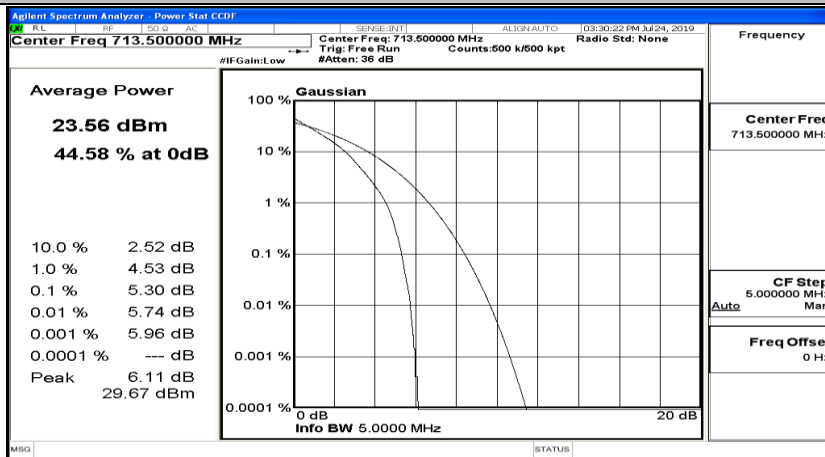
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



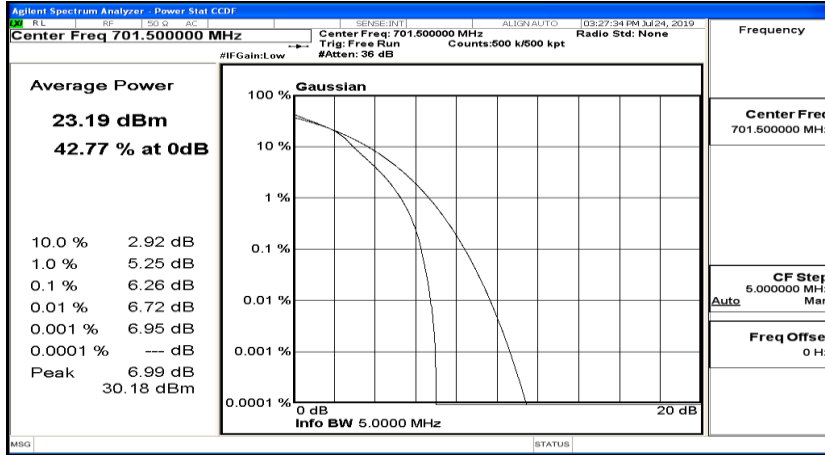
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



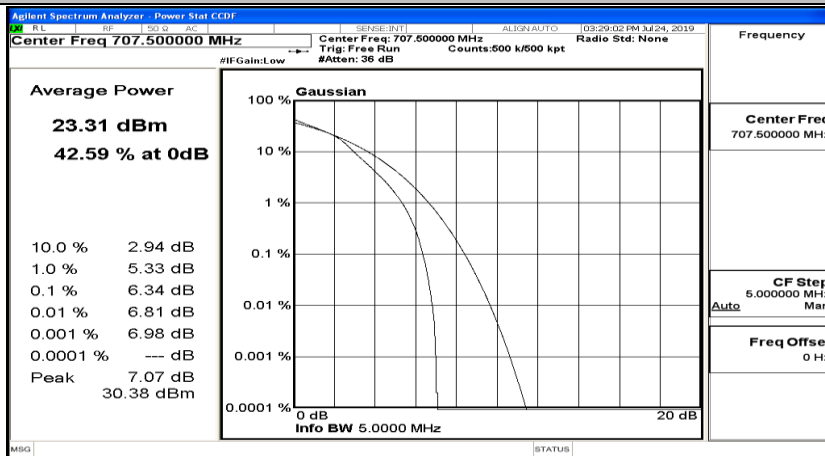
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



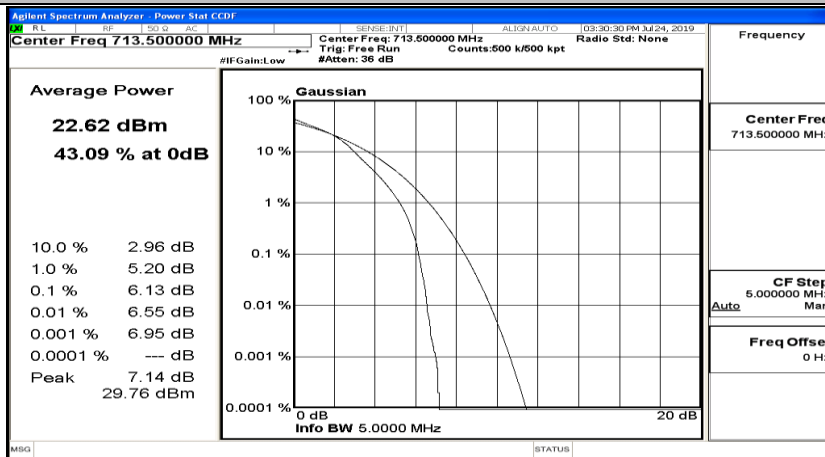
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



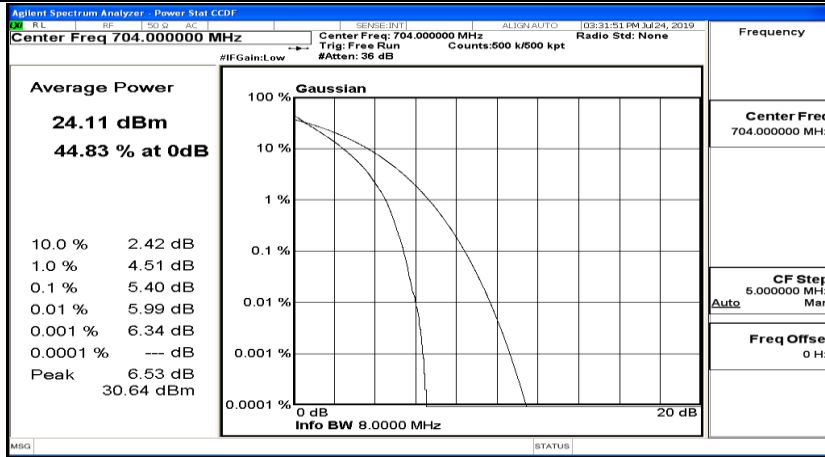
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



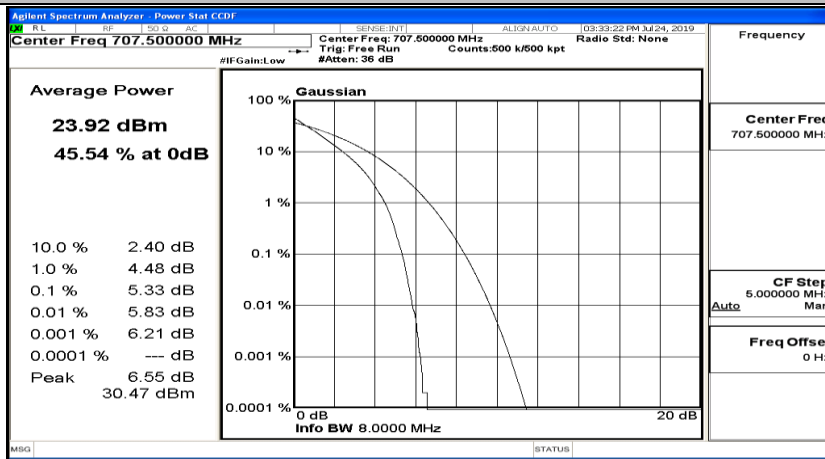
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



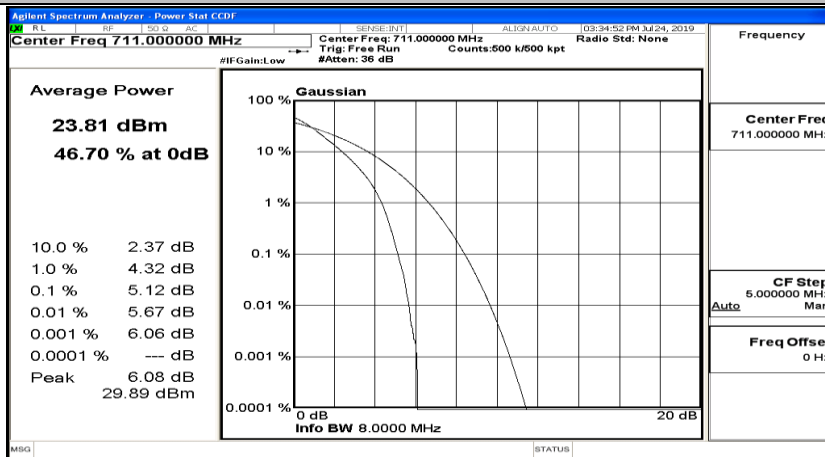
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _LCH_QPSK



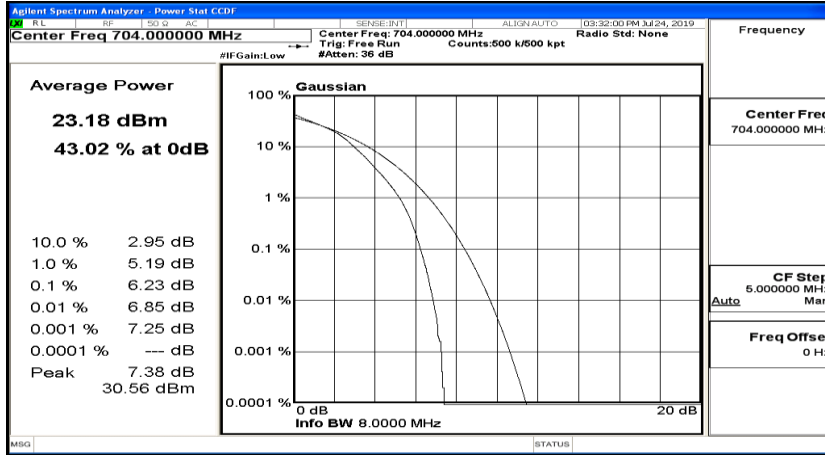
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _MCH_QPSK



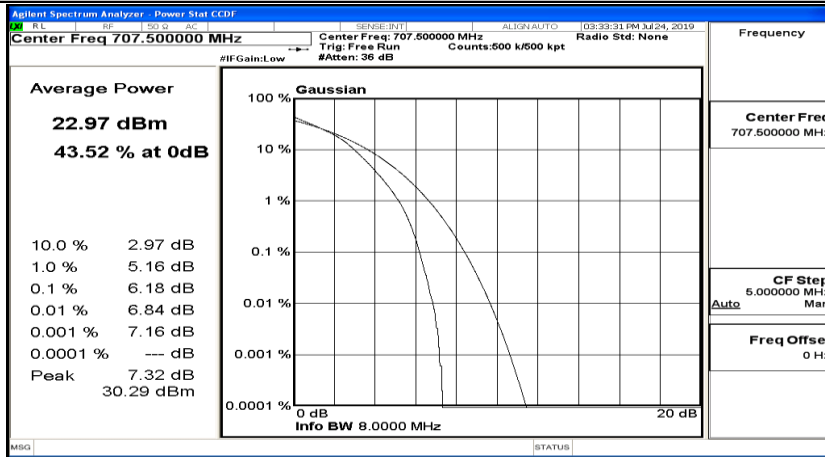
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _HCH_QPSK



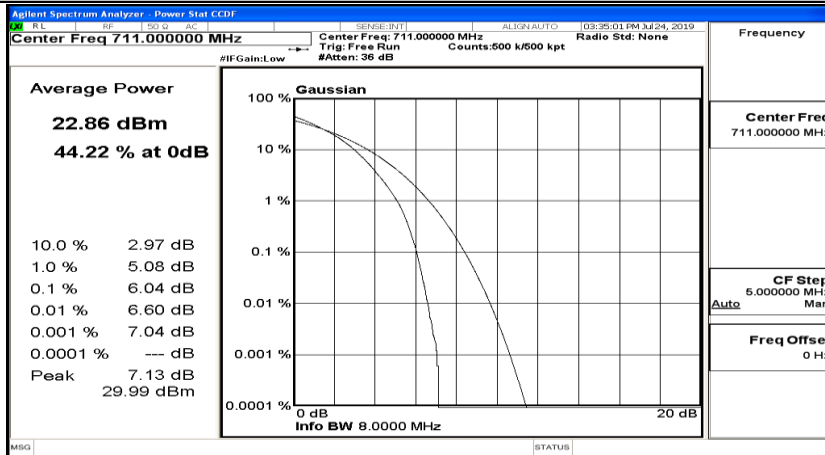
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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



A.3 26dB Bandwidth and Occupied Bandwidth

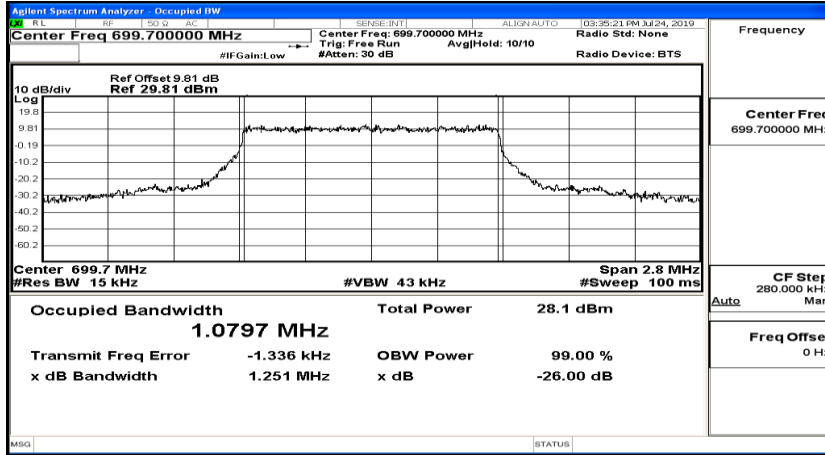
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0797	1.251	PASS
	MCH	1.0744	1.225	PASS
	HCH	1.0802	1.261	PASS
16QAM	LCH	1.0779	1.238	PASS
	MCH	1.0801	1.241	PASS
	HCH	1.0792	1.239	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6815	2.892	PASS
	MCH	2.6866	2.901	PASS
	HCH	2.6870	2.910	PASS
16QAM	LCH	2.6867	2.899	PASS
	MCH	2.6826	2.876	PASS
	HCH	2.6873	2.905	PASS

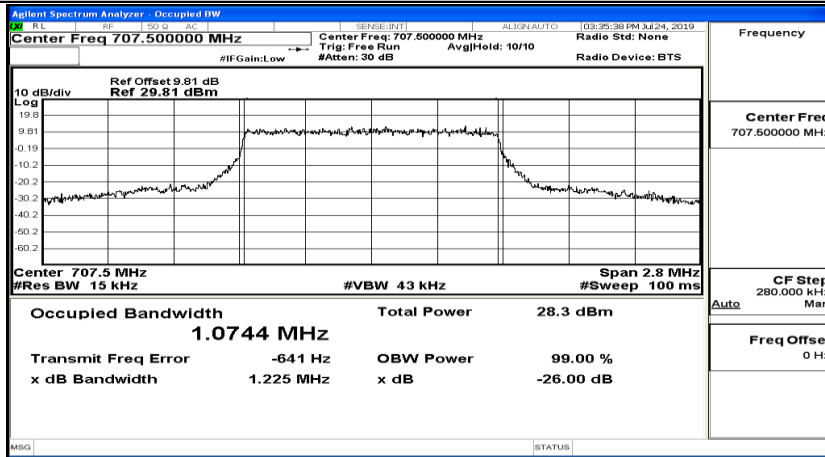
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4819	4.790	PASS
	MCH	4.4771	4.796	PASS
	HCH	4.4738	4.809	PASS
16QAM	LCH	4.4614	4.812	PASS
	MCH	4.4808	4.777	PASS
	HCH	4.4789	4.798	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9301	9.511	PASS
	MCH	8.9259	9.514	PASS
	HCH	8.8932	9.378	PASS
16QAM	LCH	8.9311	9.484	PASS
	MCH	8.9286	9.408	PASS
	HCH	8.9094	9.336	PASS

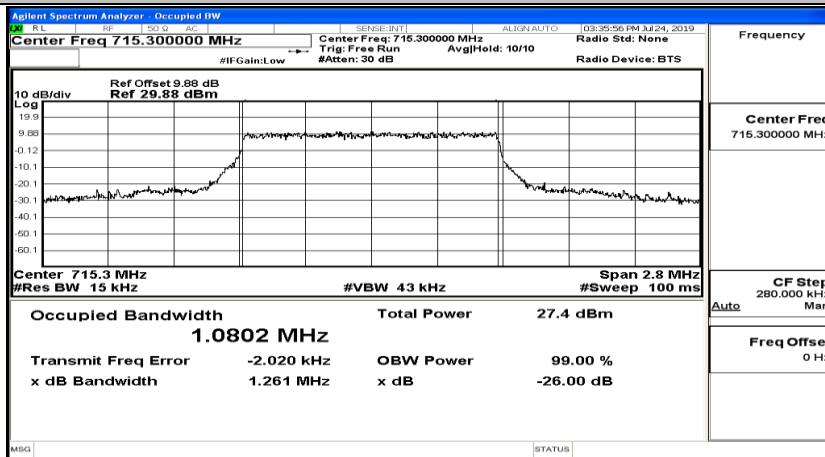
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



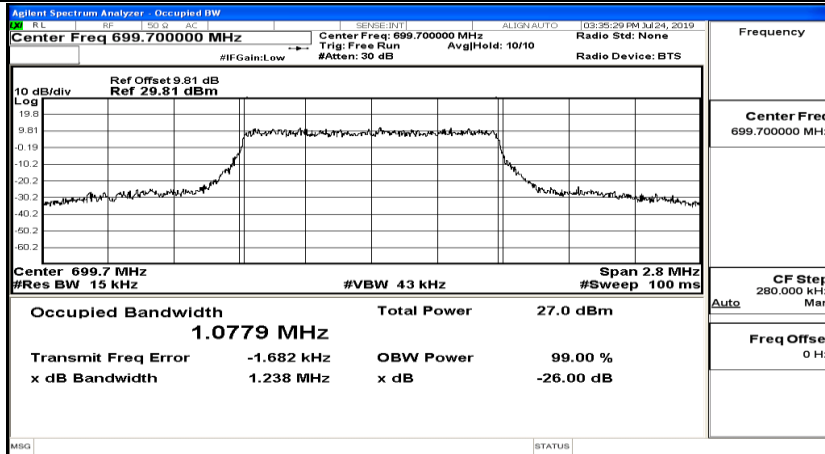
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



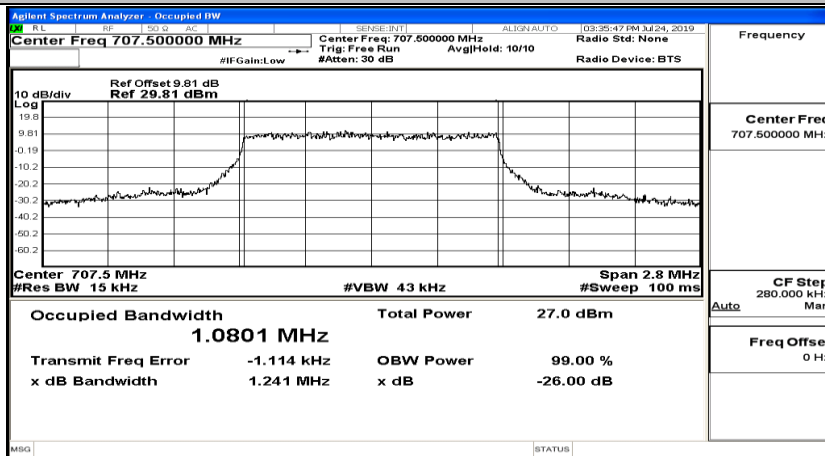
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



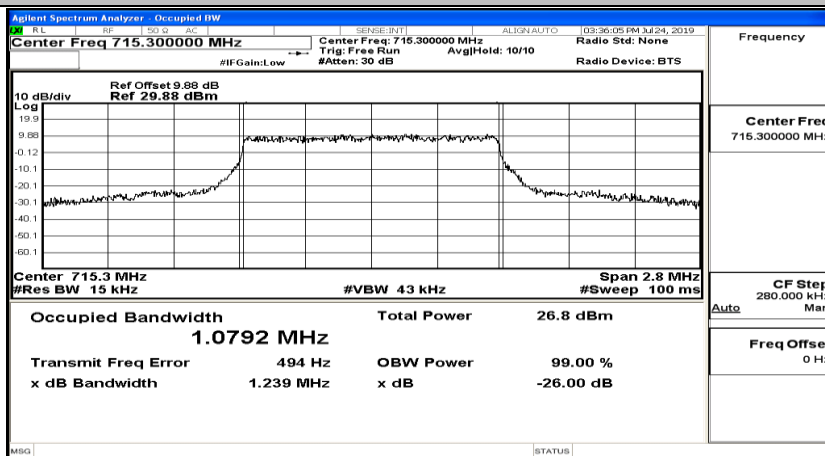
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



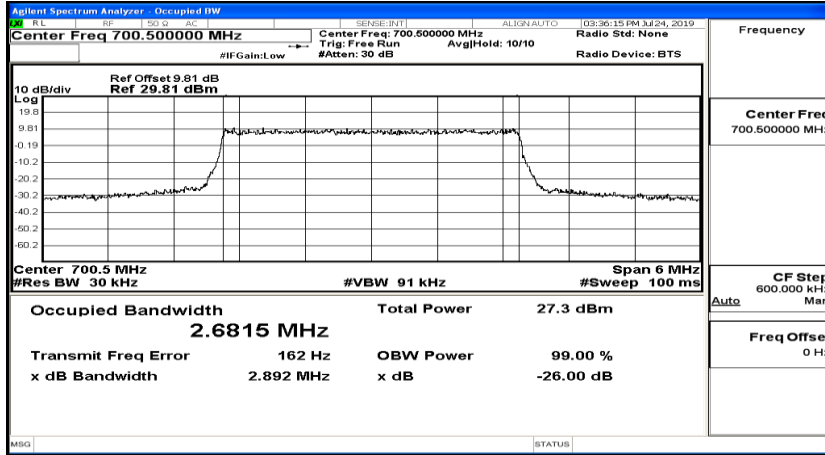
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



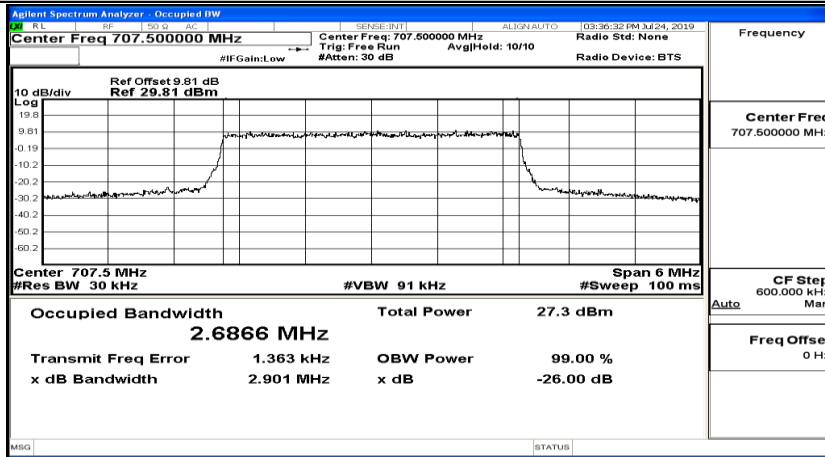
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



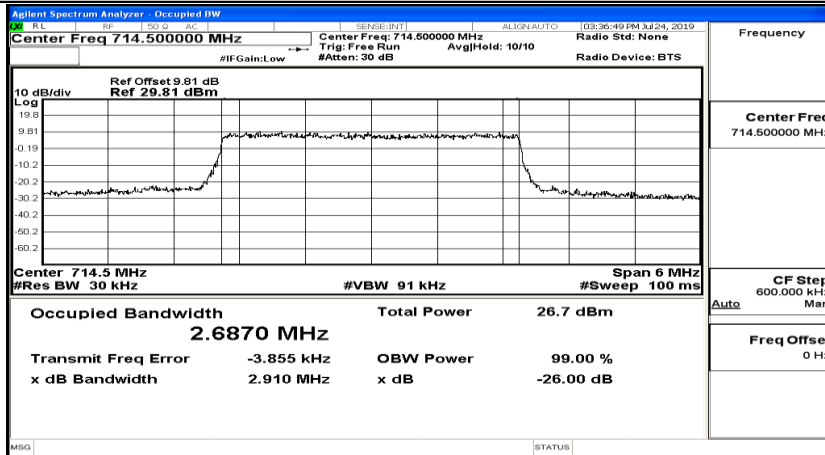
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



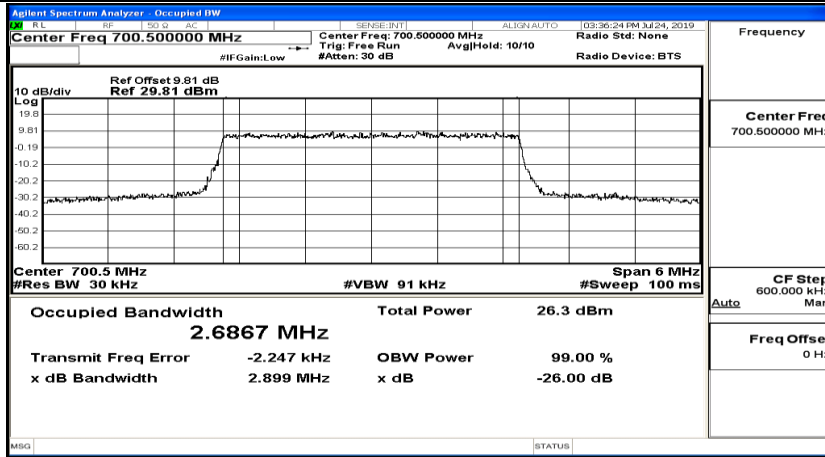
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



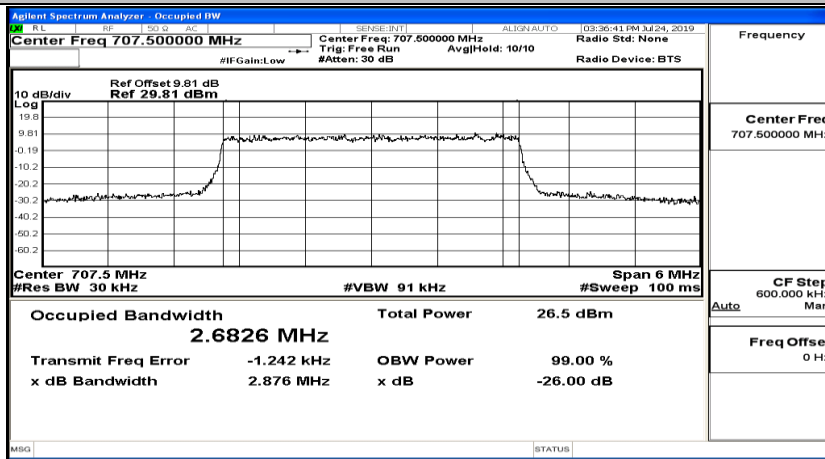
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



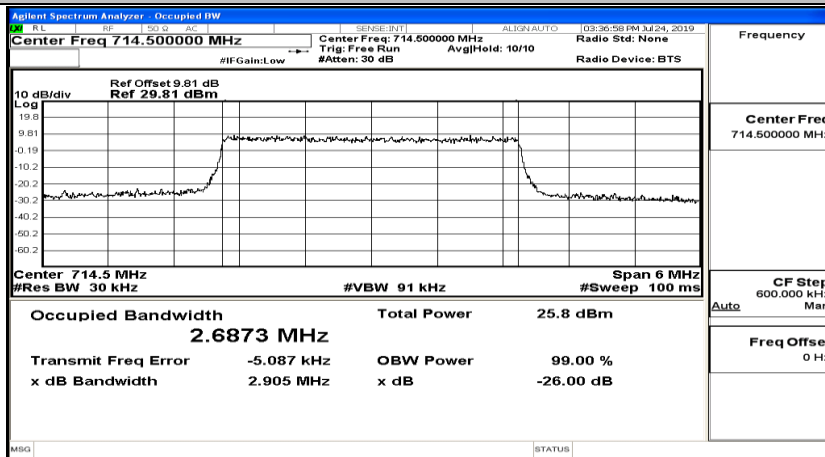
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



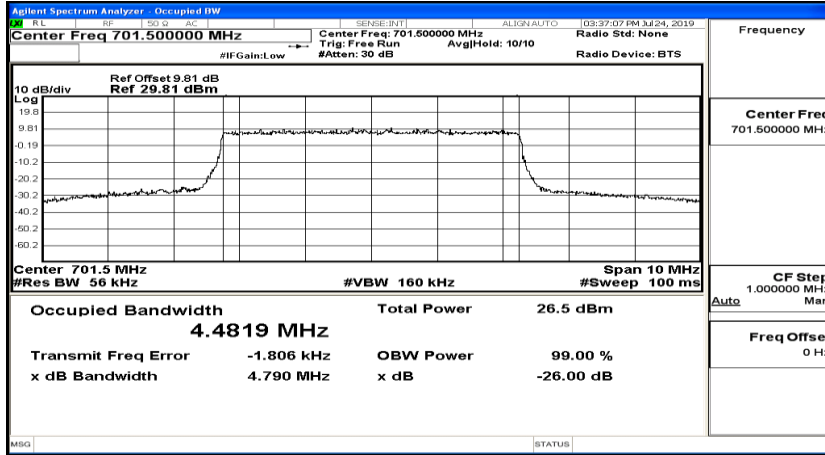
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



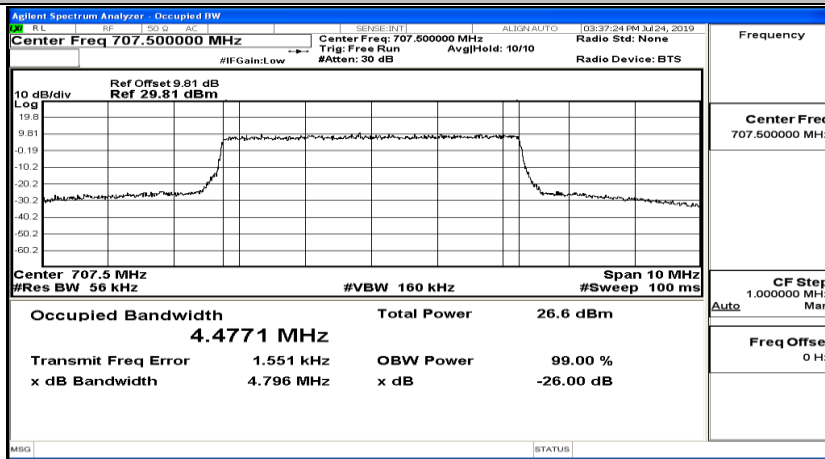
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



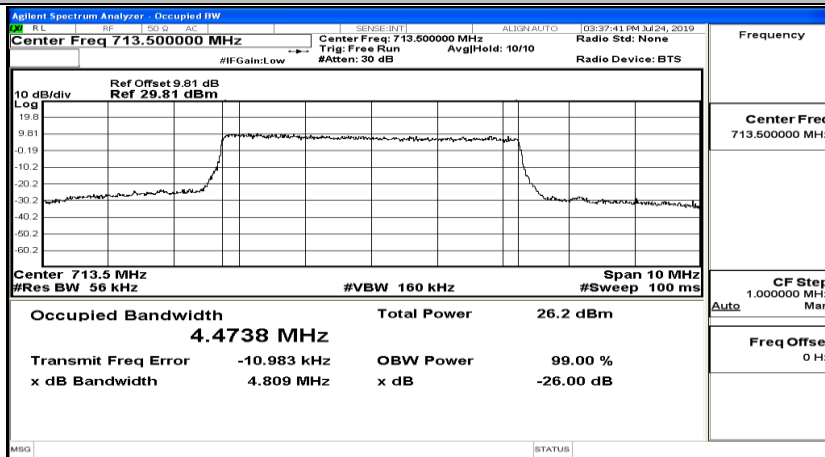
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



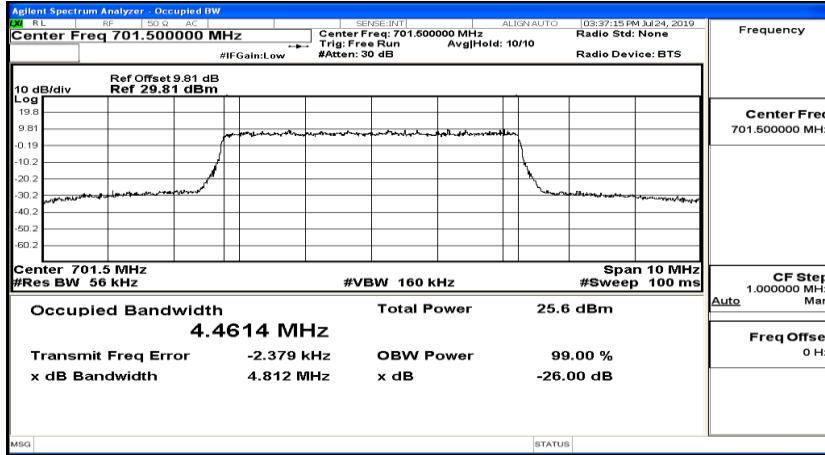
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



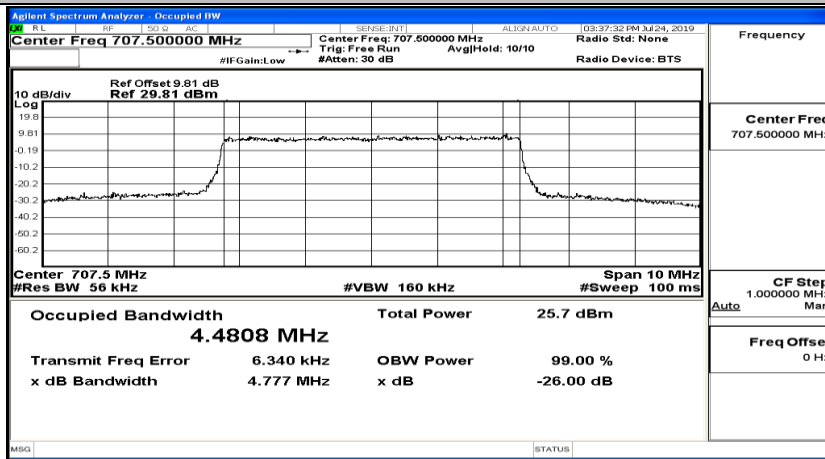
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



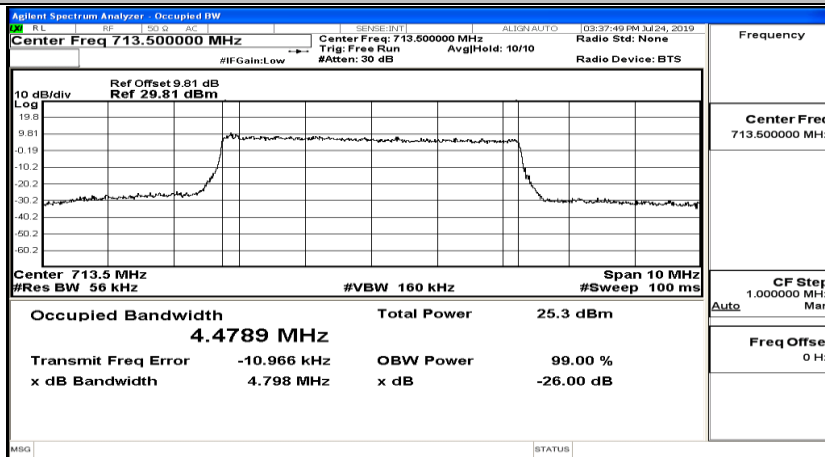
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



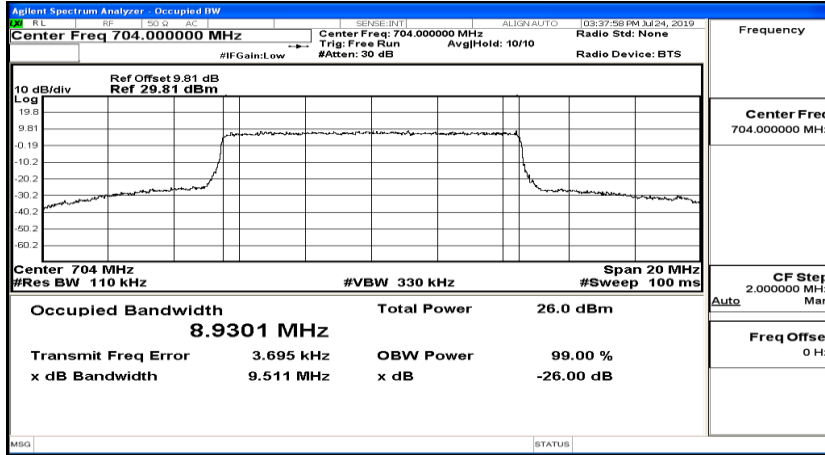
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



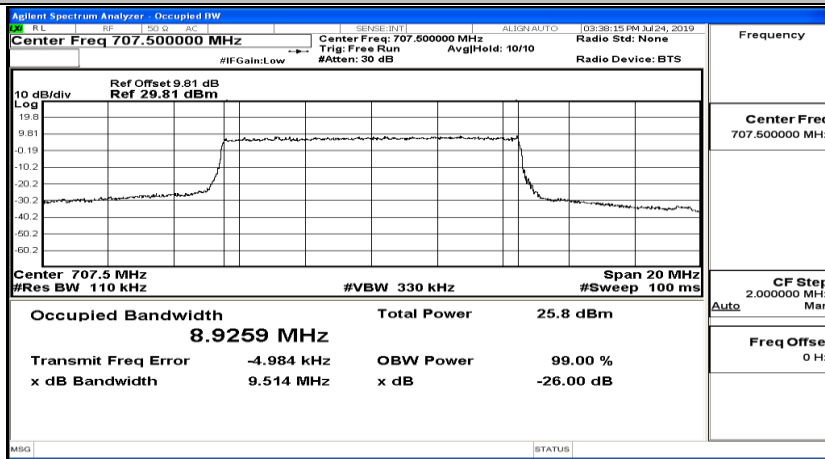
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



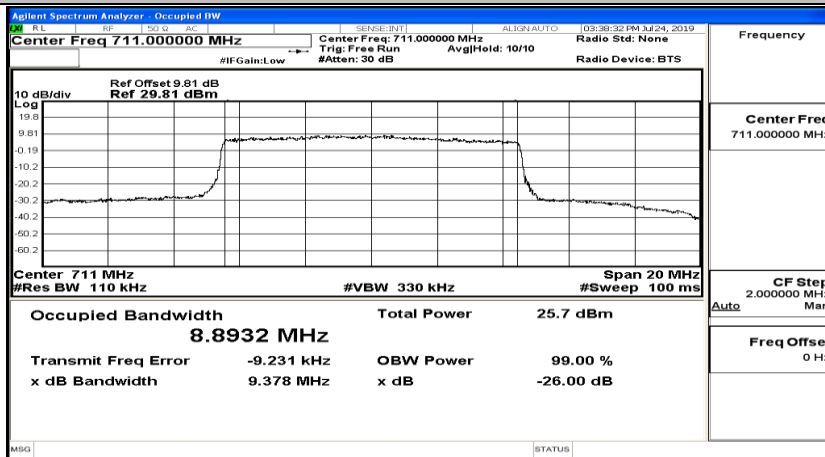
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



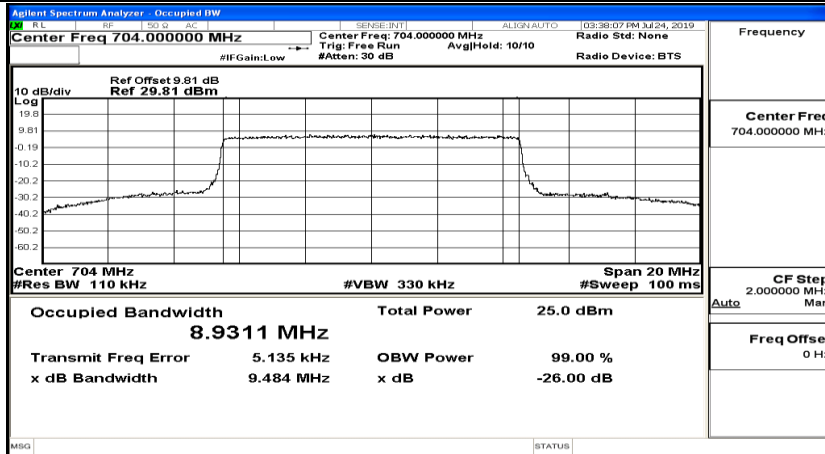
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



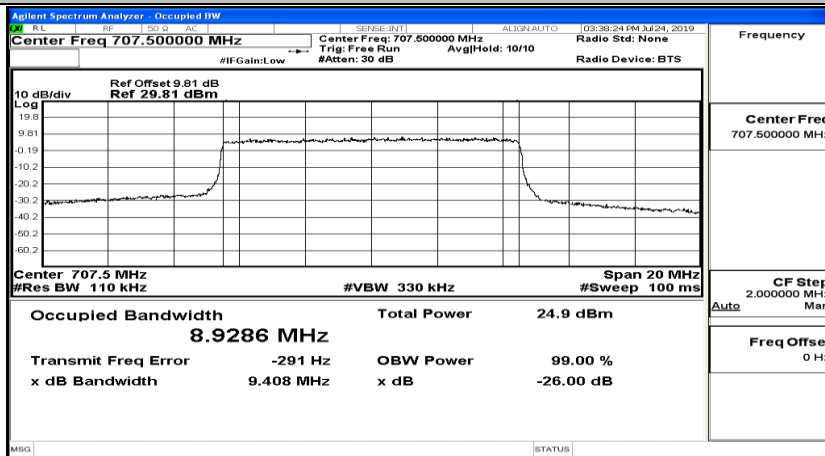
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



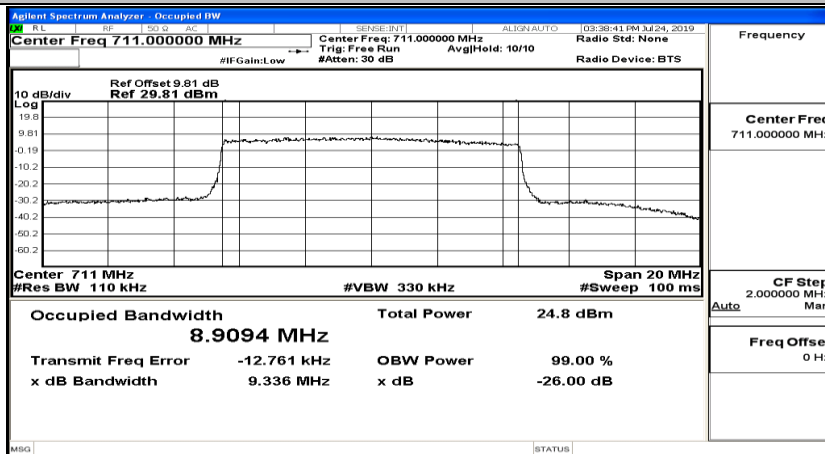
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

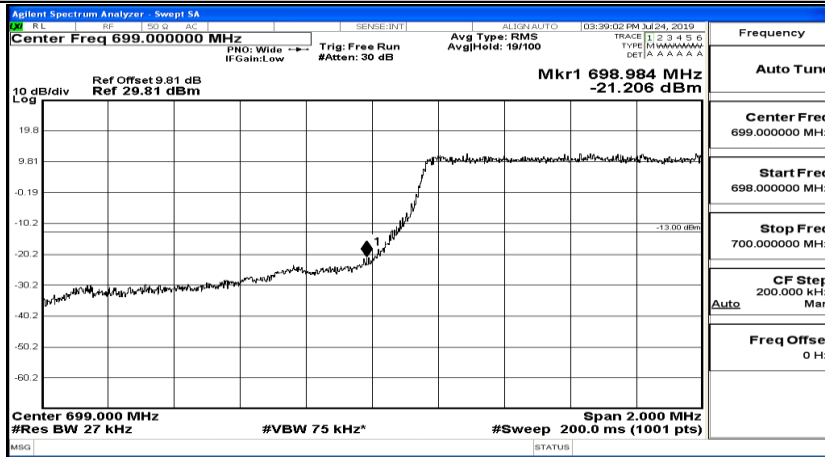


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



A.4 Band Edge

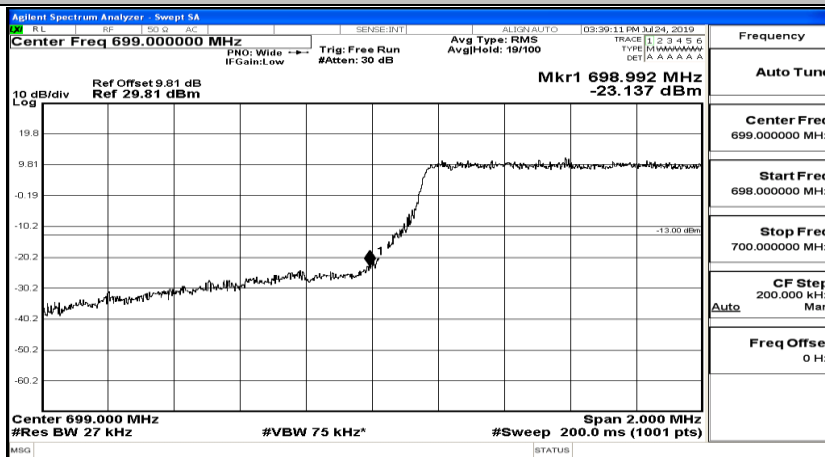
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



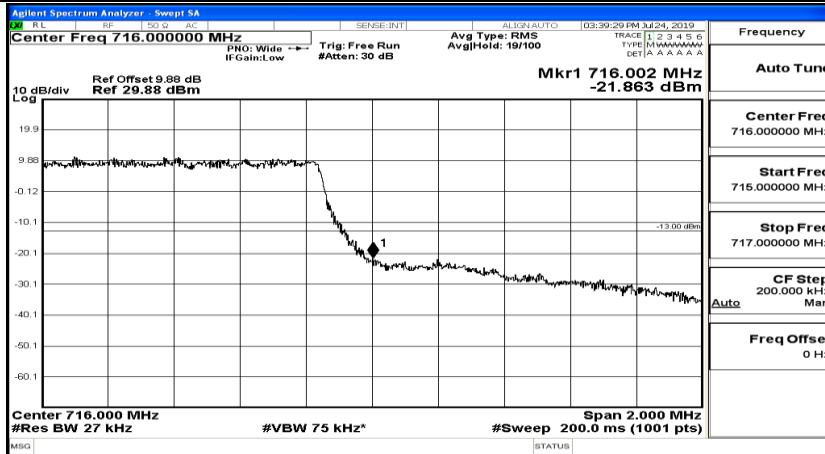
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



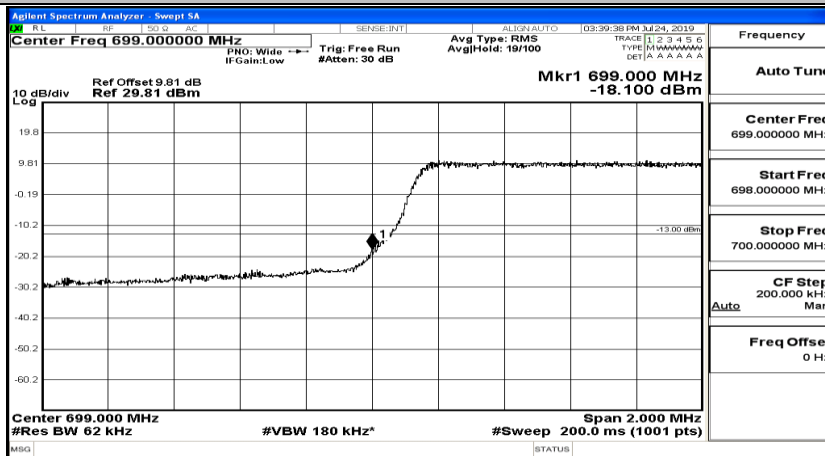
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



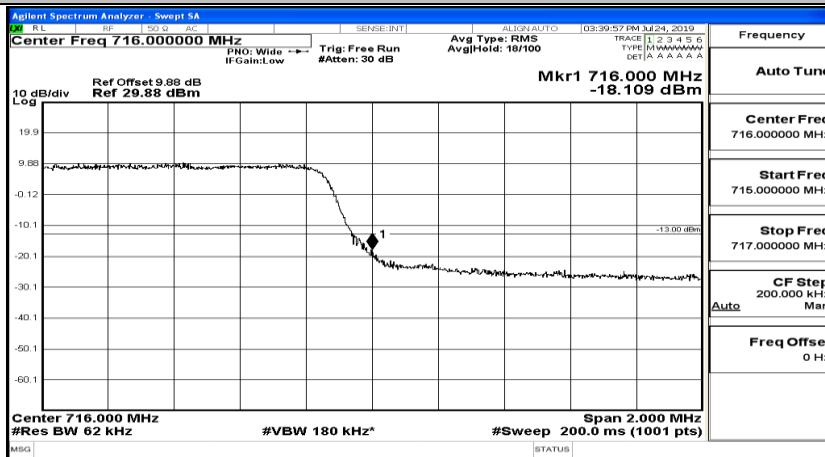
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



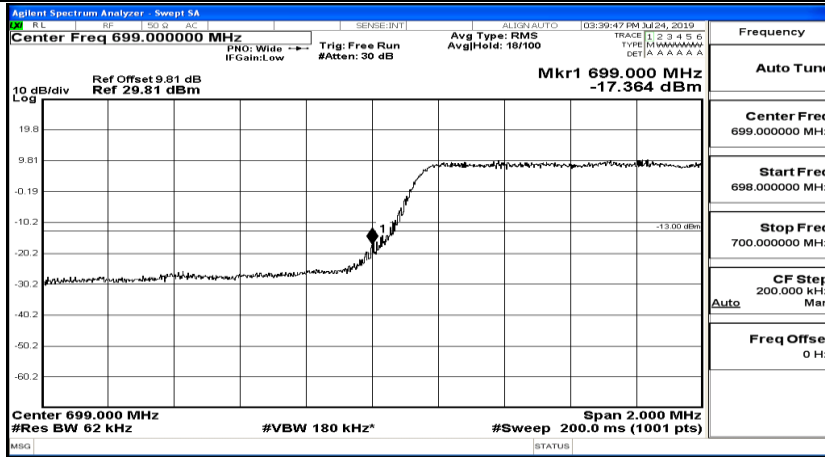
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



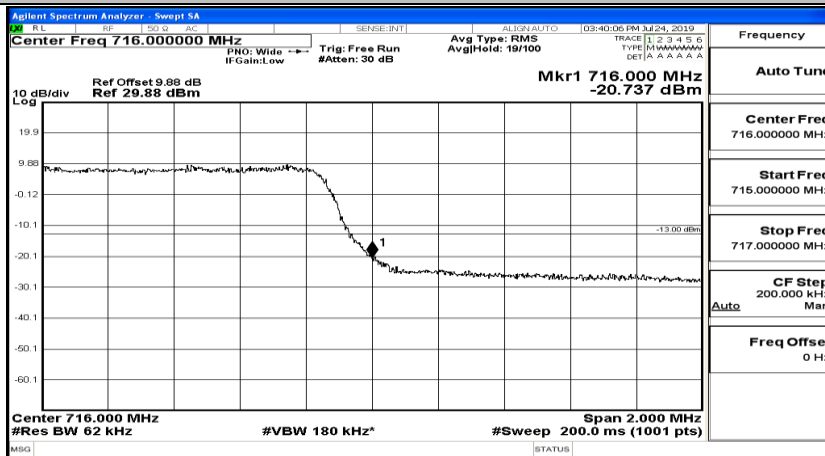
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



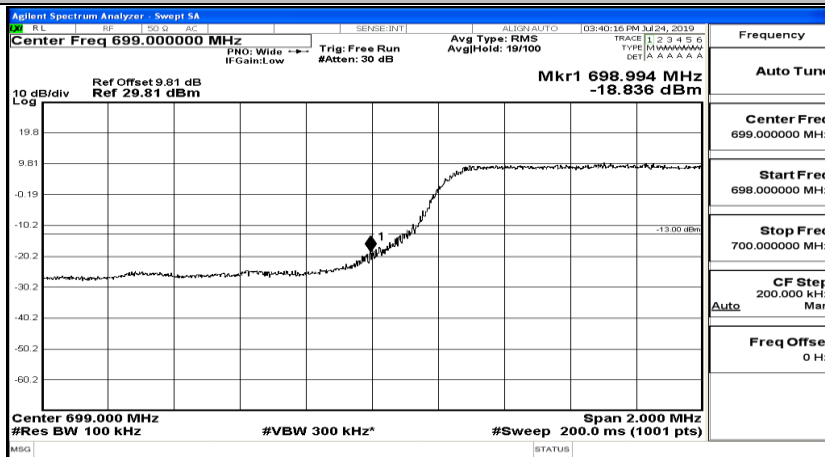
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



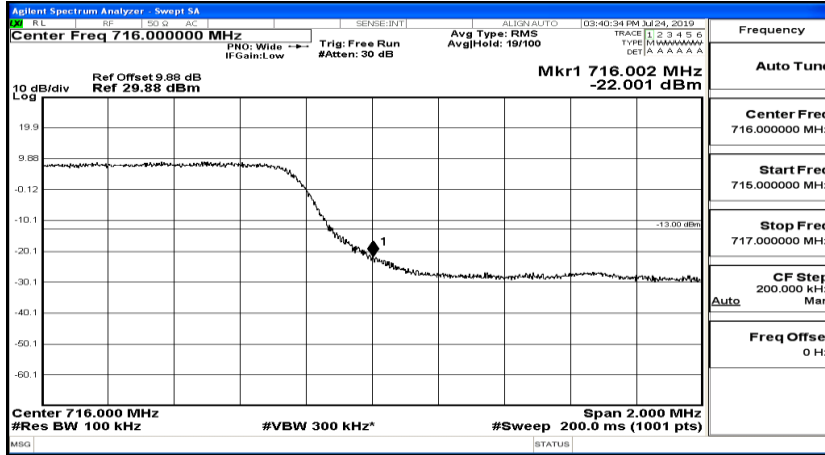
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



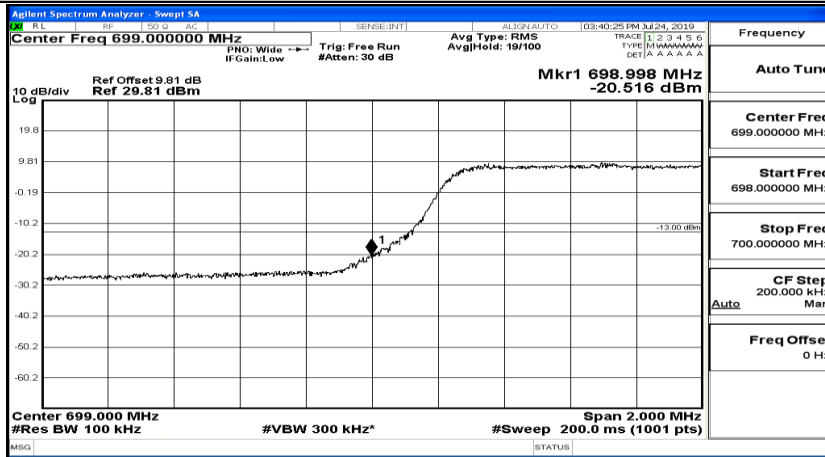
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



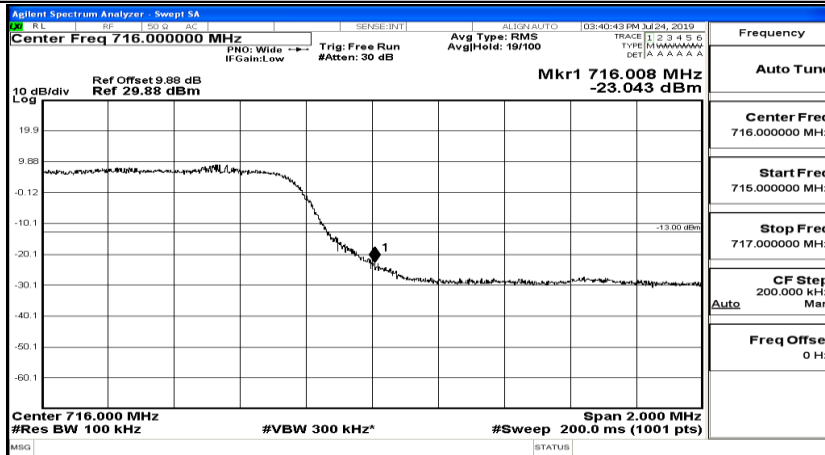
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



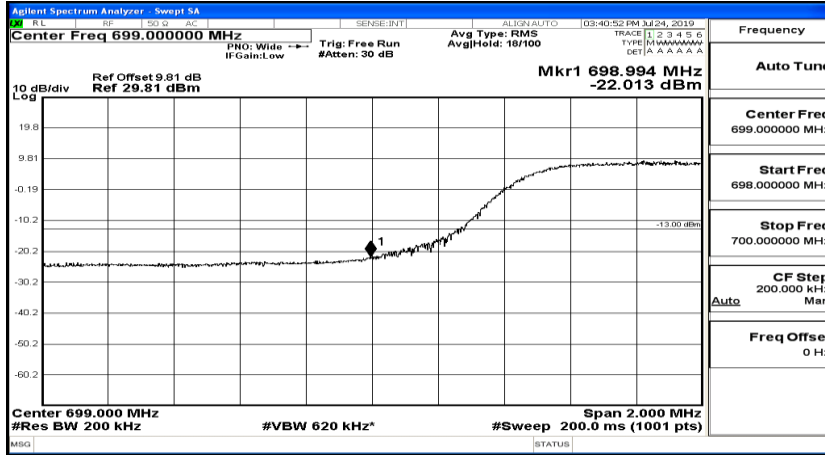
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



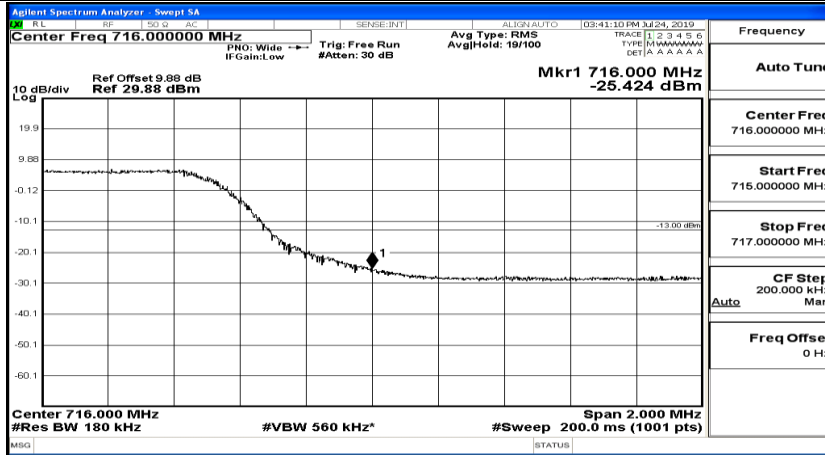
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



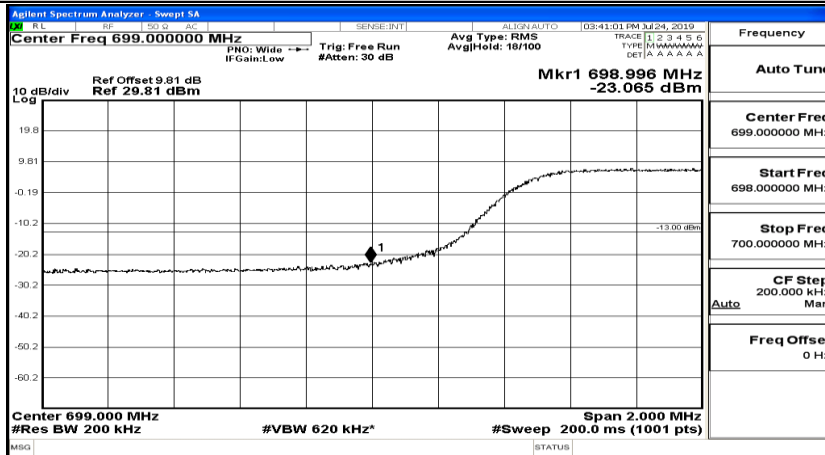
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



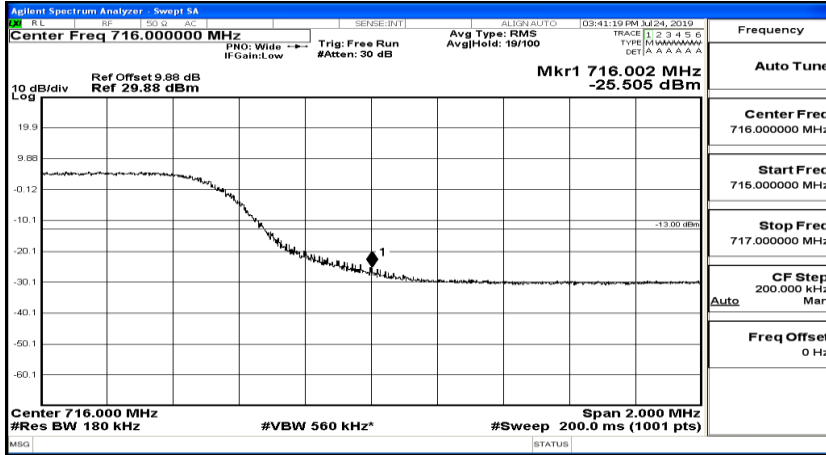
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



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

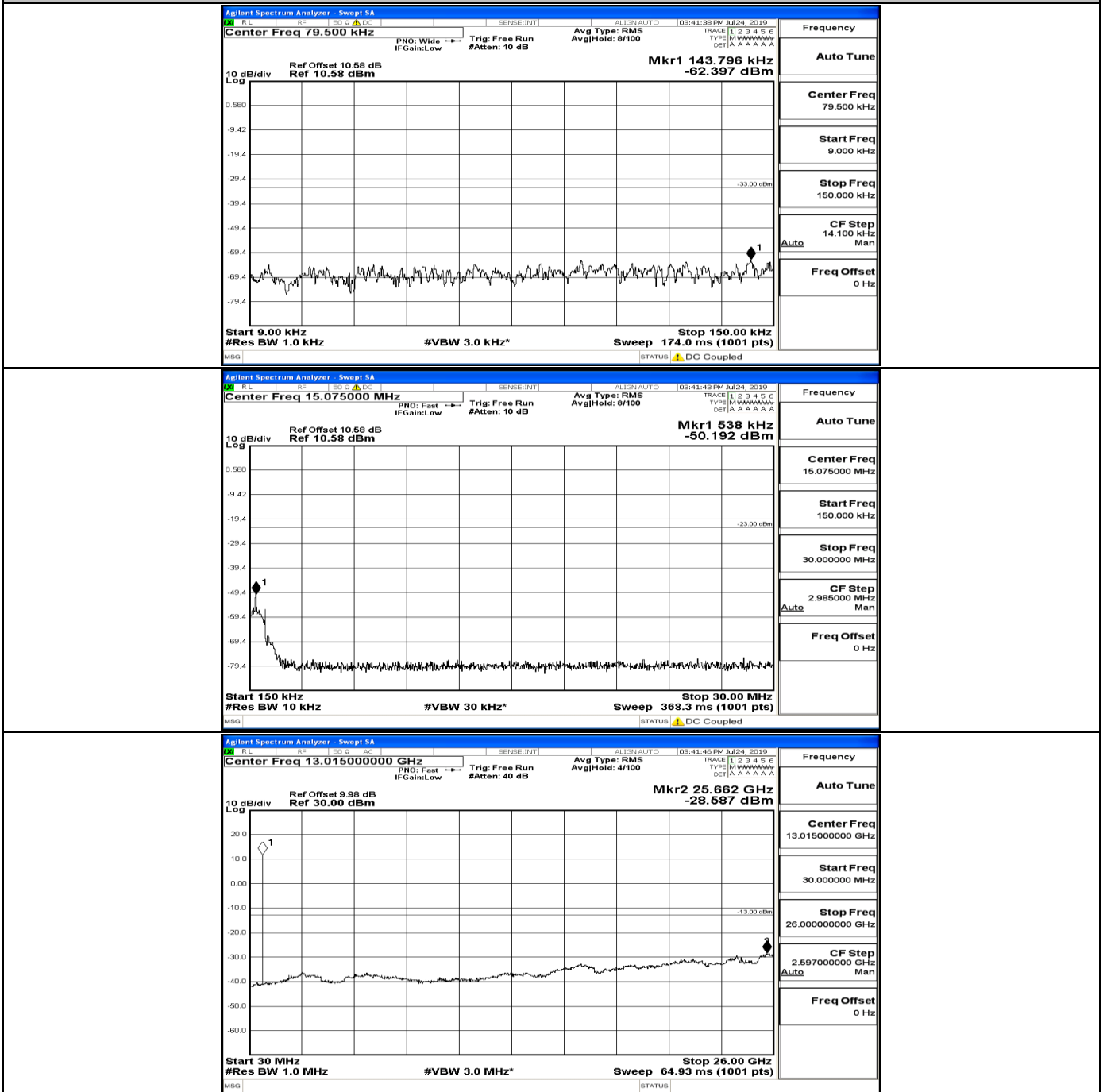


Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

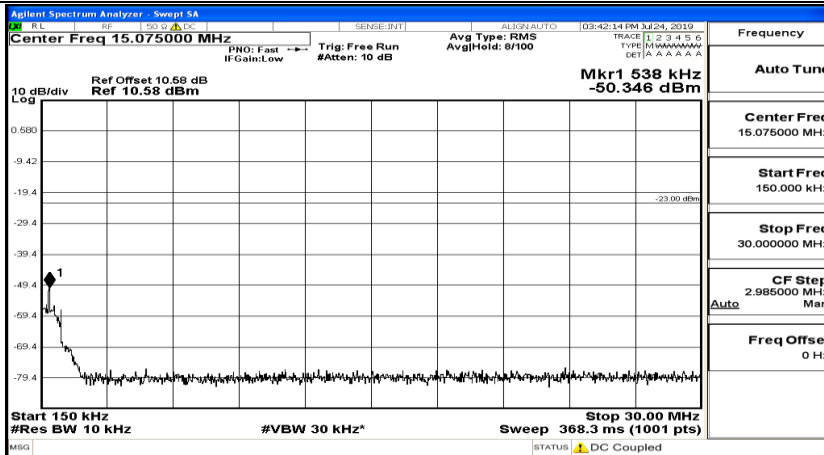
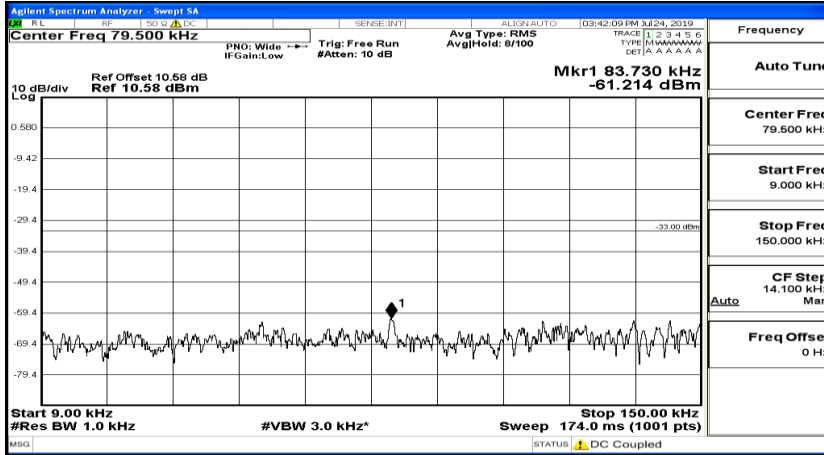


A.5 Conducted Spurious Emission

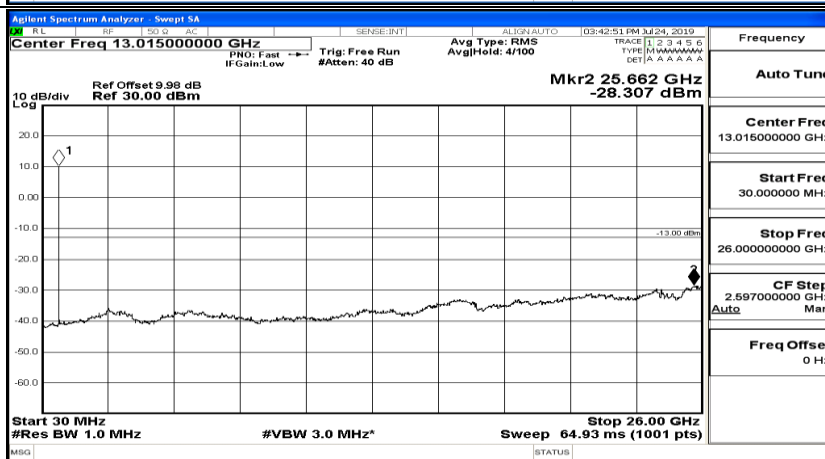
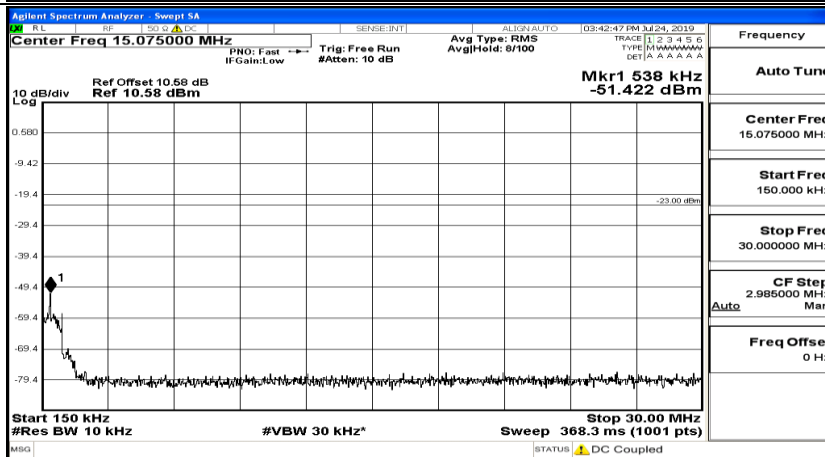
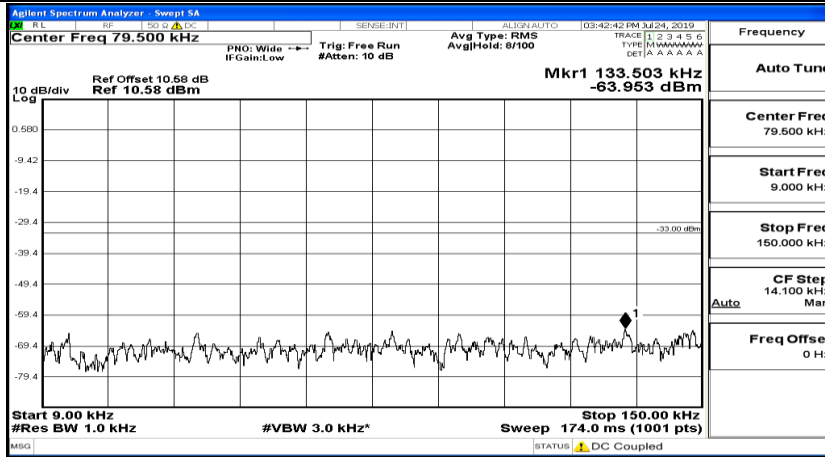
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



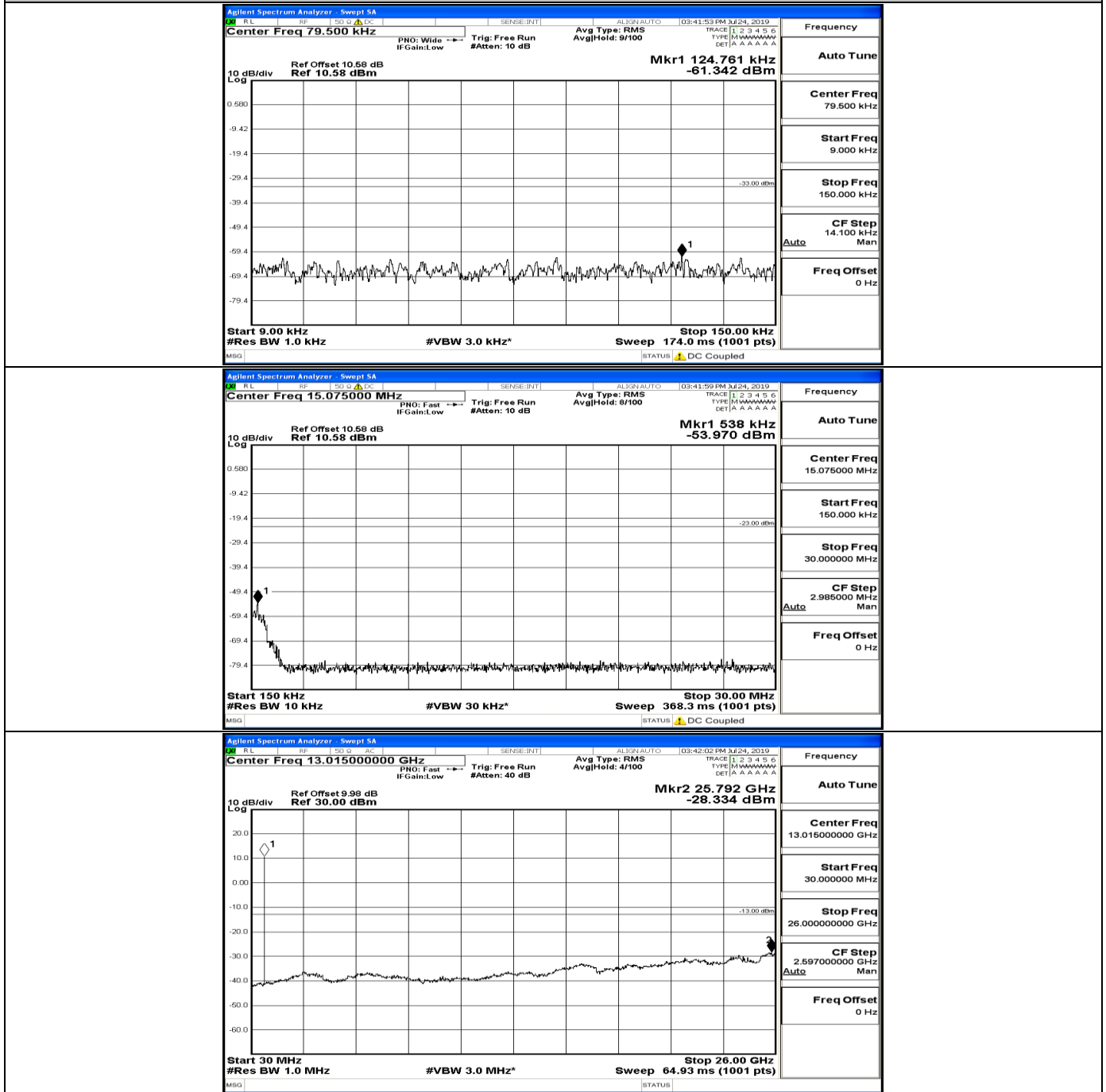
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



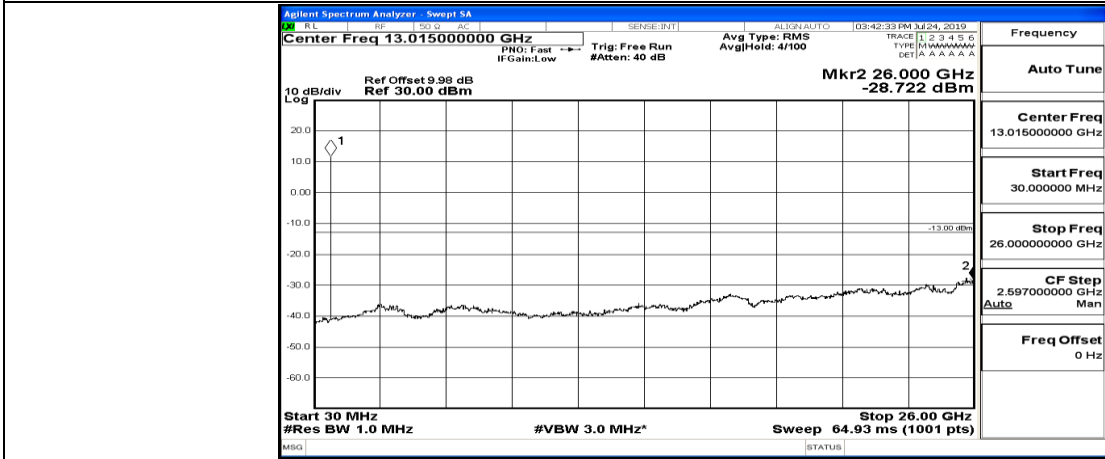
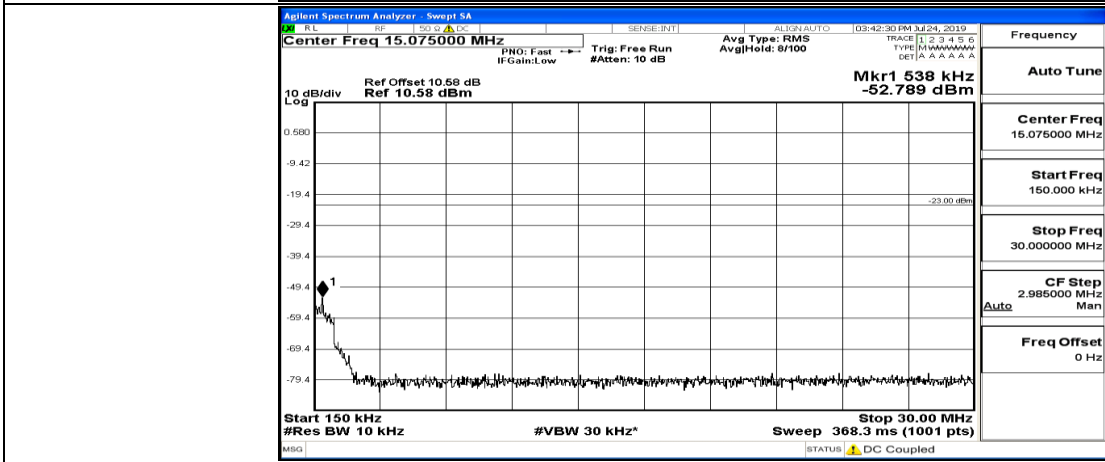
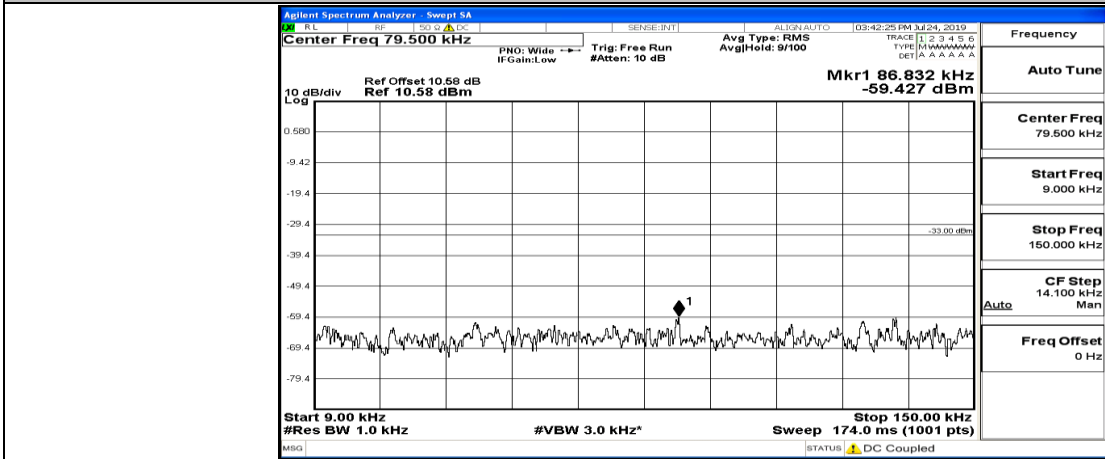
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



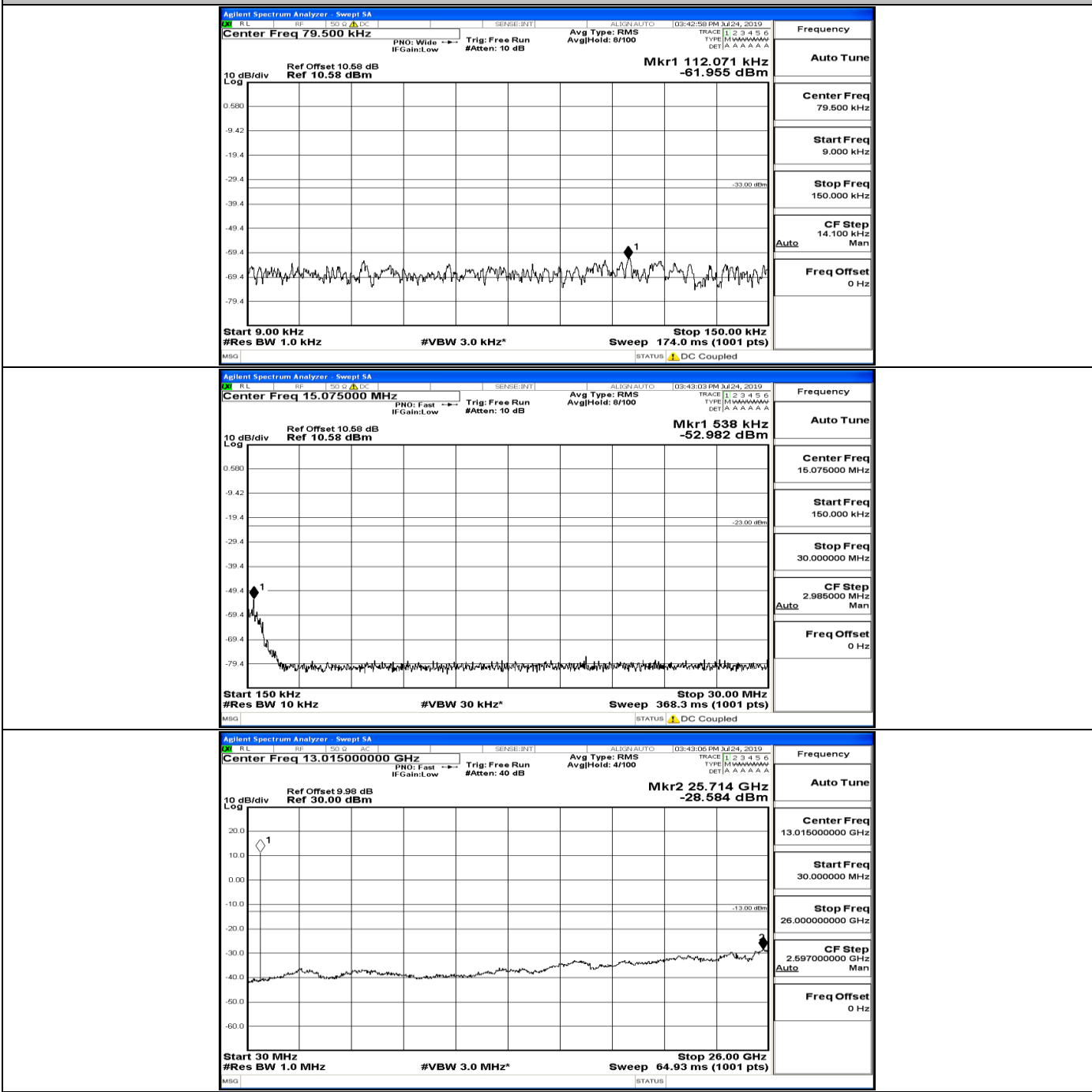
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



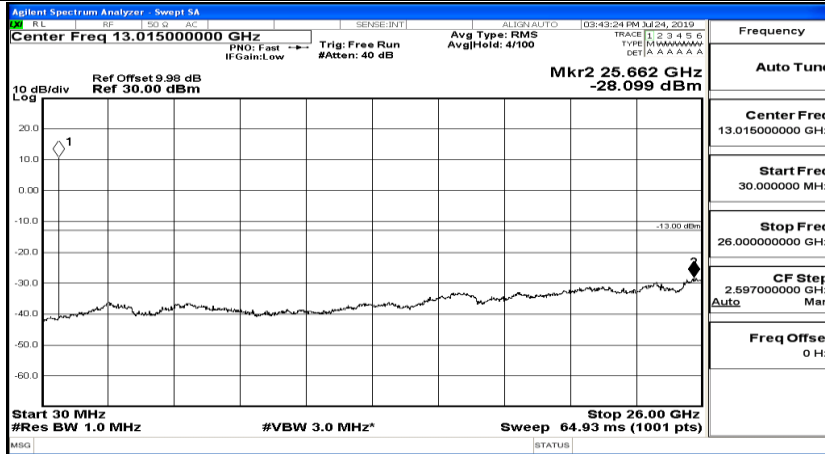
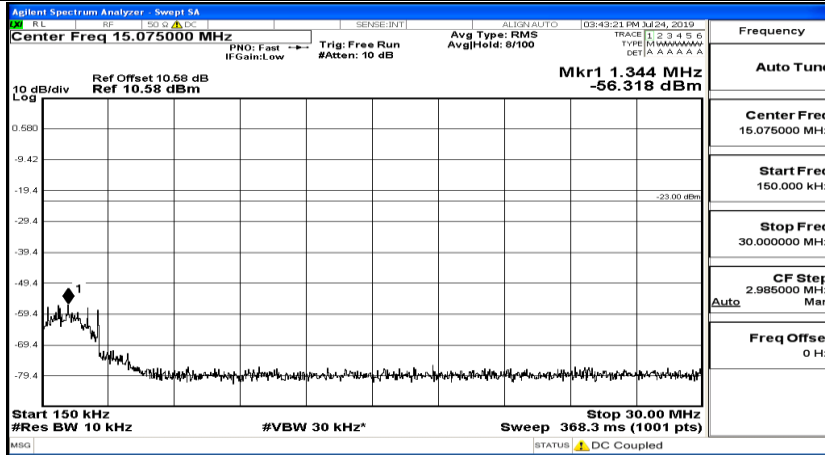
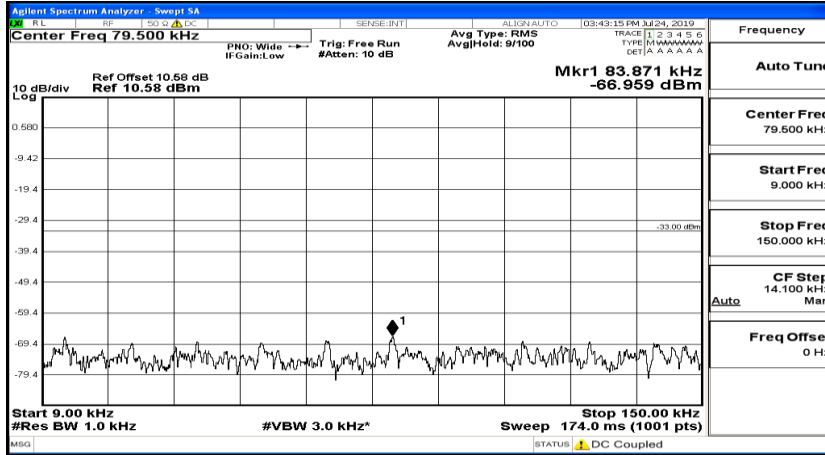
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



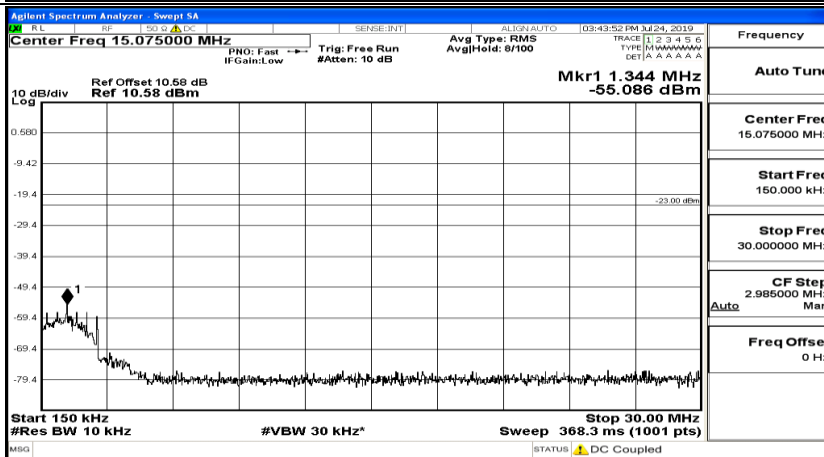
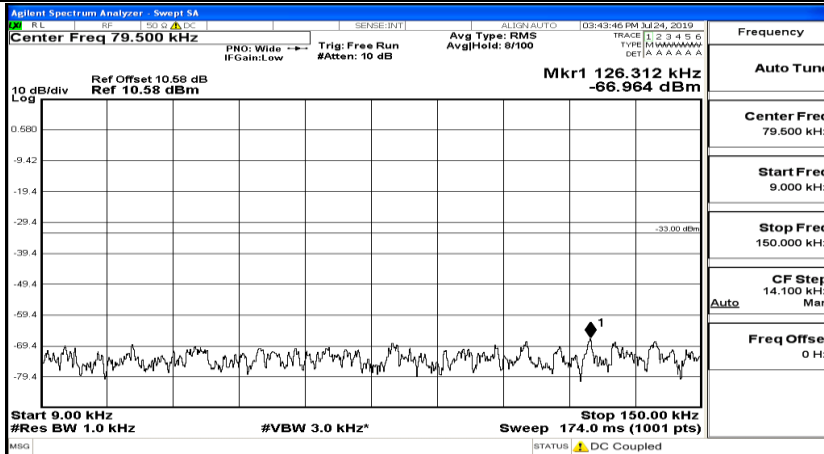
CSE Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



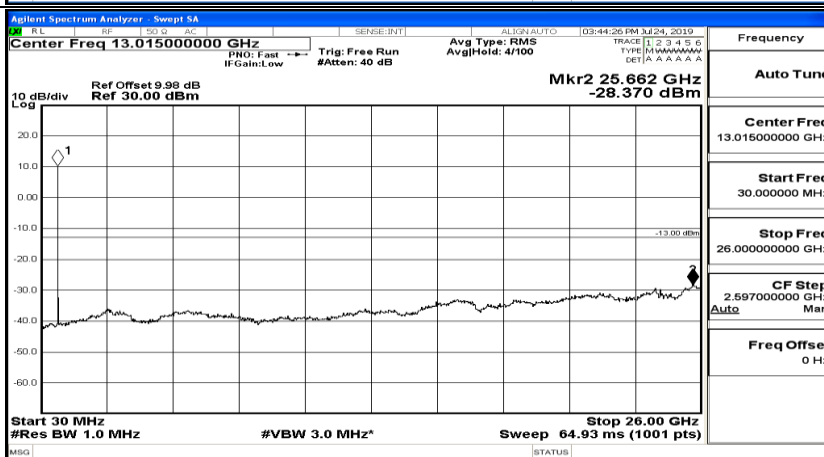
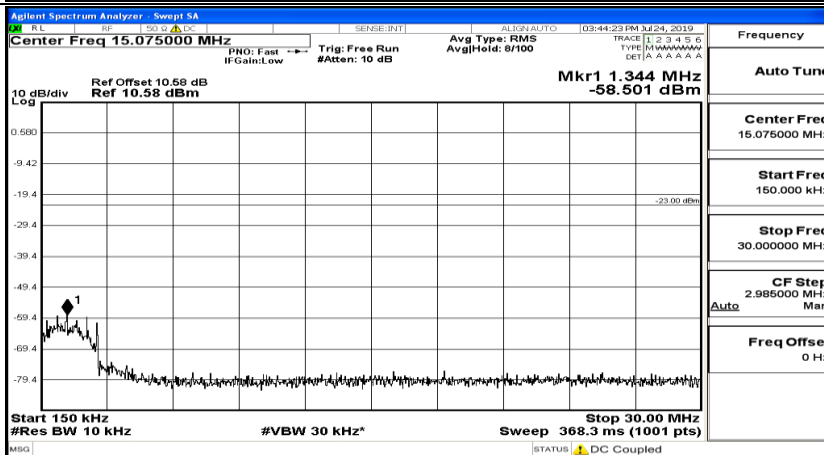
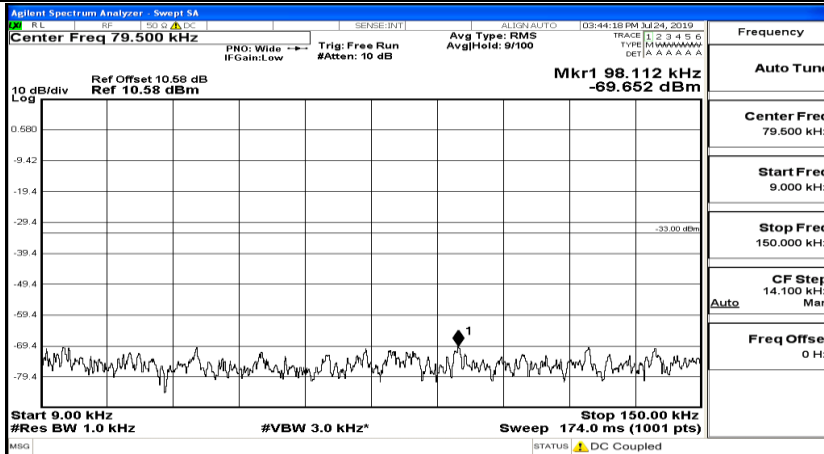
CSE Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



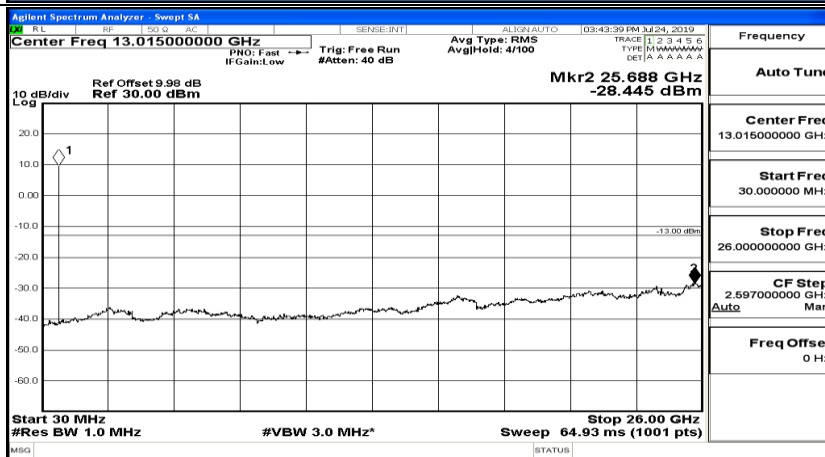
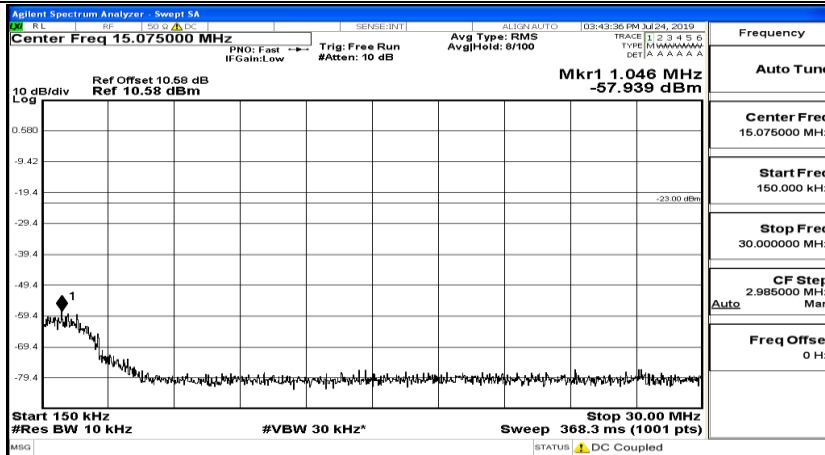
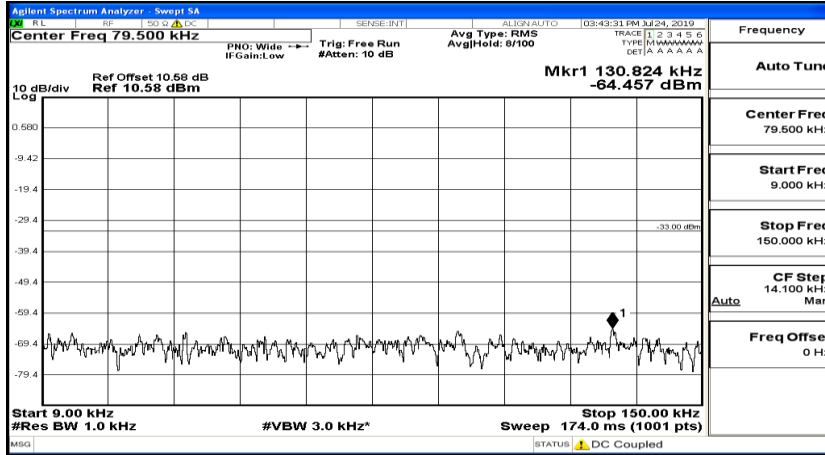
CSE Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



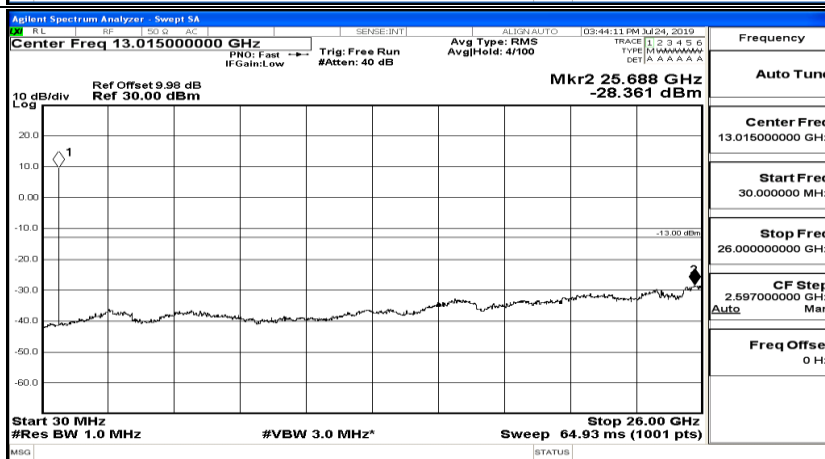
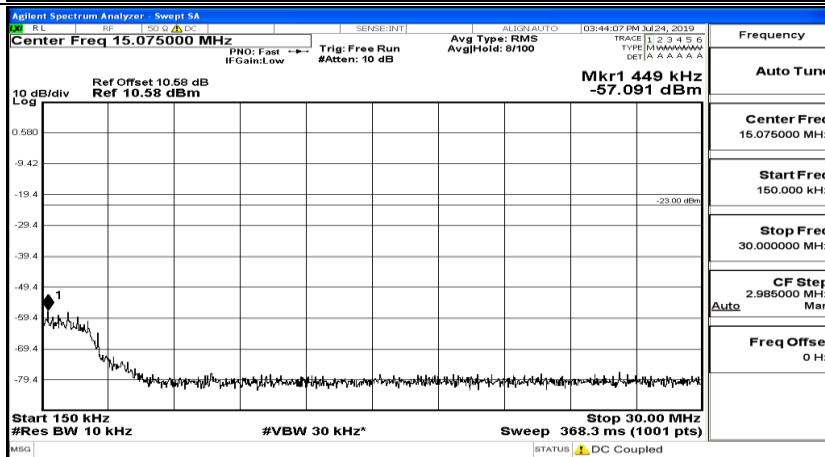
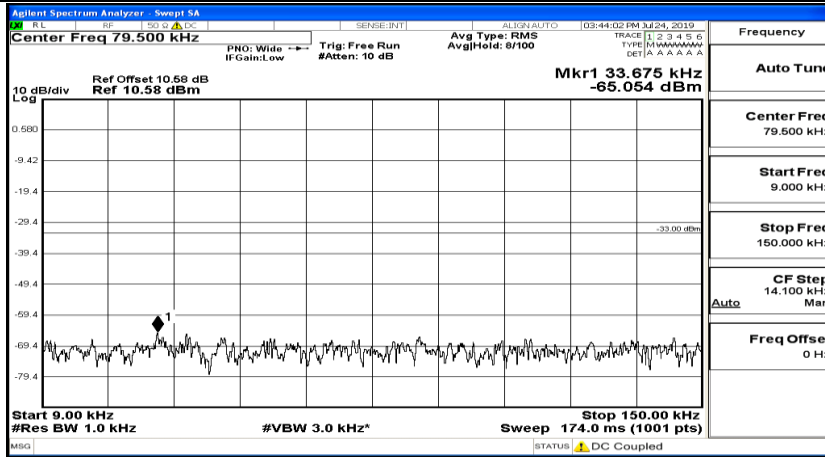
CSE Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



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

