

Appendix H: Test Data for E-UTRA Band 5

Product Name: Rugged Tablet

Test Model: LT800

Environmental Conditions

Temperature:	23.9 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Wang Chuang

H.1 Conducted Output Power

<SIM1>

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	23.09	22.38	PASS
		1	3	23.13	22.49	PASS
		1	5	23.08	22.42	PASS
		3	0	23.14	22.45	PASS
		3	2	23.19	22.52	PASS
		3	3	23.06	22.53	PASS
		6	0	23.13	22.37	PASS
	MCH	1	0	23.37	22.57	PASS
		1	3	23.25	22.65	PASS
		1	5	23.23	22.66	PASS
		3	0	23.23	21.57	PASS
		3	2	23.11	22.51	PASS
		3	3	23.15	22.47	PASS
		6	0	23.37	22.62	PASS
	HCH	1	0	22.82	21.58	PASS
		1	3	22.80	22.46	PASS
		1	5	22.72	22.50	PASS
		3	0	23.00	21.86	PASS
		3	2	22.92	21.81	PASS
		3	3	22.96	21.80	PASS
		6	0	22.81	21.65	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.15	22.09	PASS
		1	7	23.14	22.08	PASS
		1	14	23.25	22.04	PASS
		8	0	23.10	21.96	PASS
		8	4	23.03	22.02	PASS
		8	7	23.09	22.09	PASS
		15	0	23.19	22.07	PASS
	MCH	1	0	23.08	22.22	PASS
		1	7	23.08	22.17	PASS
		1	14	23.05	22.17	PASS
		8	0	23.13	21.83	PASS
		8	4	23.14	22.06	PASS
		8	7	23.17	22.05	PASS
		15	0	23.10	22.19	PASS
	HCH	1	0	22.99	22.20	PASS
		1	7	23.03	22.15	PASS
		1	14	22.95	22.06	PASS
		8	0	22.89	21.94	PASS
		8	4	22.92	21.93	PASS
		8	7	22.91	21.89	PASS
		15	0	23.07	22.22	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	23.16	21.94	PASS
		1	12	23.20	22.00	PASS
		1	24	23.16	21.89	PASS
		12	0	23.09	22.35	PASS
		12	6	23.20	22.47	PASS
		12	13	23.17	22.46	PASS
		25	0	23.17	21.87	PASS
	MCH	1	0	23.19	22.10	PASS
		1	12	23.05	22.16	PASS
		1	24	23.11	21.95	PASS
		12	0	23.29	22.21	PASS
		12	6	23.22	22.46	PASS
		12	13	23.19	22.31	PASS
		25	0	23.26	22.05	PASS
	HCH	1	0	22.92	22.00	PASS
		1	12	22.95	21.97	PASS
		1	24	22.98	21.97	PASS
		12	0	22.97	21.76	PASS
		12	6	22.91	22.06	PASS
		12	13	23.01	22.06	PASS
		25	0	22.95	22.07	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.15	22.05	PASS
		1	24	23.23	22.02	PASS
		1	49	23.23	21.94	PASS
		25	0	23.28	22.21	PASS
		25	12	23.11	22.27	PASS
		25	25	22.90	21.96	PASS
		50	0	23.12	22.05	PASS
	MCH	1	0	23.28	22.27	PASS
		1	24	23.20	22.14	PASS
		1	49	23.17	22.04	PASS
		25	0	23.34	22.01	PASS
		25	12	23.29	22.16	PASS
		25	25	23.14	21.93	PASS
		50	0	23.33	22.24	PASS
	HCH	1	0	23.08	22.02	PASS
		1	24	22.92	21.88	PASS
		1	49	22.91	21.78	PASS
		25	0	22.72	21.72	PASS
		25	12	22.84	21.57	PASS
		25	25	22.97	21.91	PASS
		50	0	23.17	22.08	PASS

<SIM2>

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.99	22.27	PASS
		1	3	23.00	22.43	PASS
		1	5	23.01	22.32	PASS
		3	0	23.03	22.38	PASS
		3	2	23.05	22.44	PASS
		3	3	22.98	22.37	PASS
		6	0	22.97	22.25	PASS
	MCH	1	0	23.29	22.43	PASS
		1	3	23.14	22.58	PASS
		1	5	23.12	22.50	PASS
		3	0	23.08	21.48	PASS
		3	2	22.96	22.44	PASS
		3	3	23.08	22.38	PASS
		6	0	23.30	22.51	PASS
	HCH	1	0	22.66	21.44	PASS
		1	3	22.69	22.39	PASS
		1	5	22.60	22.37	PASS
		3	0	22.87	21.78	PASS
		3	2	22.77	21.70	PASS
		3	3	22.88	21.73	PASS
		6	0	22.73	21.49	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	23.02	21.97	PASS
		1	7	23.03	21.98	PASS
		1	14	23.12	21.98	PASS
		8	0	23.03	21.86	PASS
		8	4	22.90	21.86	PASS
		8	7	22.96	21.98	PASS
		15	0	23.03	21.97	PASS
	MCH	1	0	22.99	22.10	PASS
		1	7	22.96	22.04	PASS
		1	14	22.93	22.03	PASS
		8	0	23.00	21.76	PASS
		8	4	23.05	21.98	PASS
		8	7	23.03	21.92	PASS
		15	0	22.99	22.11	PASS
	HCH	1	0	22.89	22.04	PASS
		1	7	22.95	22.01	PASS
		1	14	22.81	21.99	PASS
		8	0	22.75	21.82	PASS
		8	4	22.86	21.86	PASS
		8	7	22.82	21.79	PASS
		15	0	22.99	22.08	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	23.04	21.78	PASS
		1	12	23.14	21.90	PASS
		1	24	23.02	21.73	PASS
		12	0	22.98	22.22	PASS
		12	6	23.11	22.36	PASS
		12	13	23.04	22.39	PASS
		25	0	23.02	21.74	PASS
	MCH	1	0	23.06	21.95	PASS
		1	12	22.91	22.02	PASS
		1	24	23.01	21.81	PASS
		12	0	23.20	22.13	PASS
		12	6	23.14	22.31	PASS
		12	13	23.08	22.22	PASS
		25	0	23.20	21.97	PASS
	HCH	1	0	22.83	21.86	PASS
		1	12	22.84	21.86	PASS
		1	24	22.91	21.85	PASS
		12	0	22.90	21.66	PASS
		12	6	22.78	21.97	PASS
		12	13	22.88	21.91	PASS
		25	0	22.86	22.00	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	23.04	21.91	PASS
		1	24	23.10	21.95	PASS
		1	49	23.11	21.79	PASS
		25	0	23.21	22.05	PASS
		25	12	23.04	22.17	PASS
		25	25	22.81	21.89	PASS
		50	0	22.99	21.94	PASS
	MCH	1	0	23.17	22.14	PASS
		1	24	23.12	22.07	PASS
		1	49	23.04	21.93	PASS
		25	0	23.27	21.87	PASS
		25	12	23.20	22.06	PASS
		25	25	23.00	21.85	PASS
		50	0	23.27	22.17	PASS
	HCH	1	0	23.02	21.92	PASS
		1	24	22.82	21.76	PASS
		1	49	22.83	21.65	PASS
		25	0	22.60	21.63	PASS
		25	12	22.76	21.45	PASS
		25	25	22.81	21.80	PASS
		50	0	23.02	21.98	PASS

H.2 Peak-to-Average Ratio

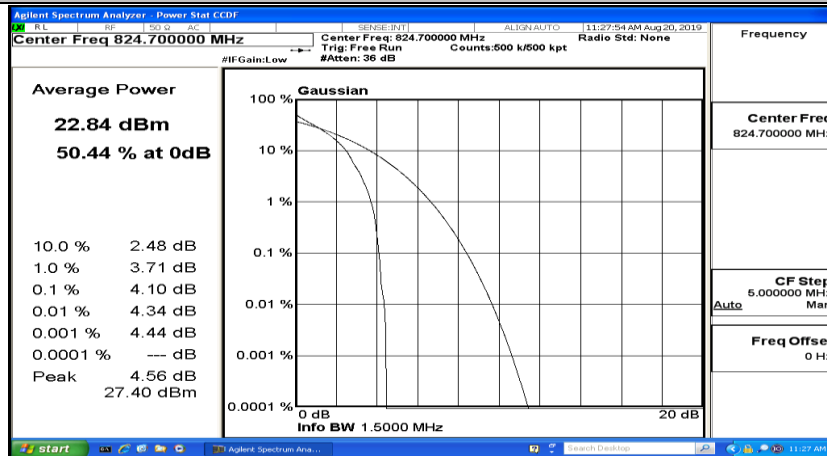
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.1	<13	PASS
	MCH	3.61	<13	PASS
	HCH	4.48	<13	PASS
16QAM	LCH	5.41	<13	PASS
	MCH	4.55	<13	PASS
	HCH	5.33	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.68	<13	PASS
	MCH	3.52	<13	PASS
	HCH	4.72	<13	PASS
16QAM	LCH	5.74	<13	PASS
	MCH	4.43	<13	PASS
	HCH	5.62	<13	PASS

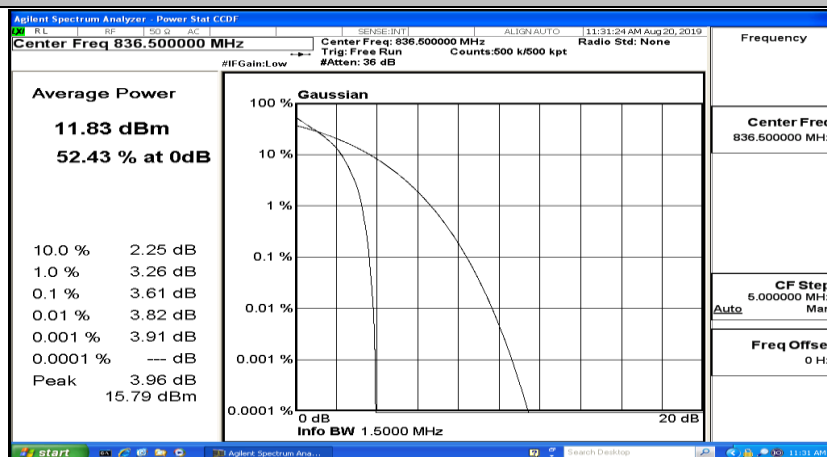
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.64	<13	PASS
	MCH	3.48	<13	PASS
	HCH	5.18	<13	PASS
16QAM	LCH	5.65	<13	PASS
	MCH	4.48	<13	PASS
	HCH	5.82	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.87	<13	PASS
	MCH	3.78	<13	PASS
	HCH	4.15	<13	PASS
16QAM	LCH	5.79	<13	PASS
	MCH	4.73	<13	PASS
	HCH	5.14	<13	PASS

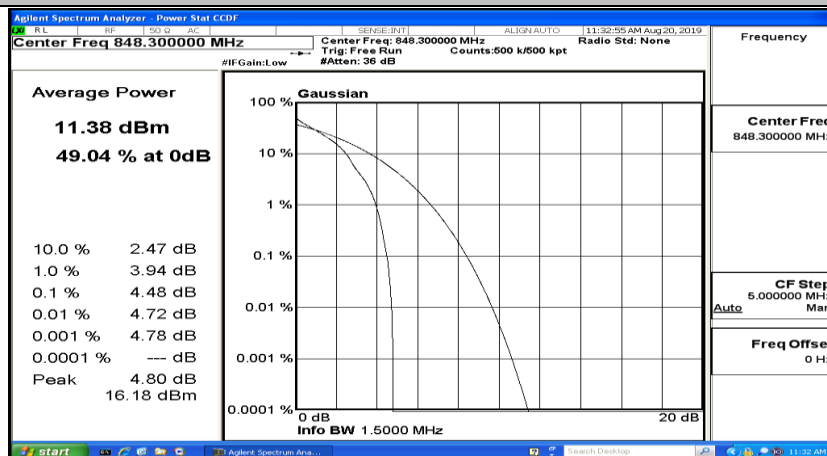
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



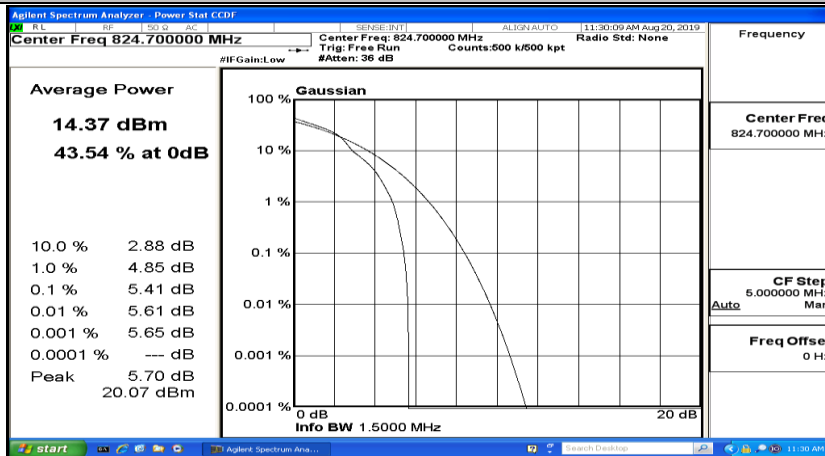
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



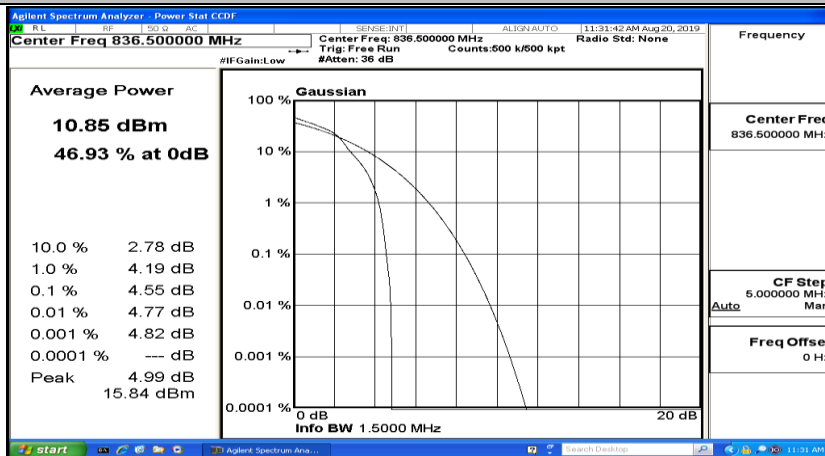
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



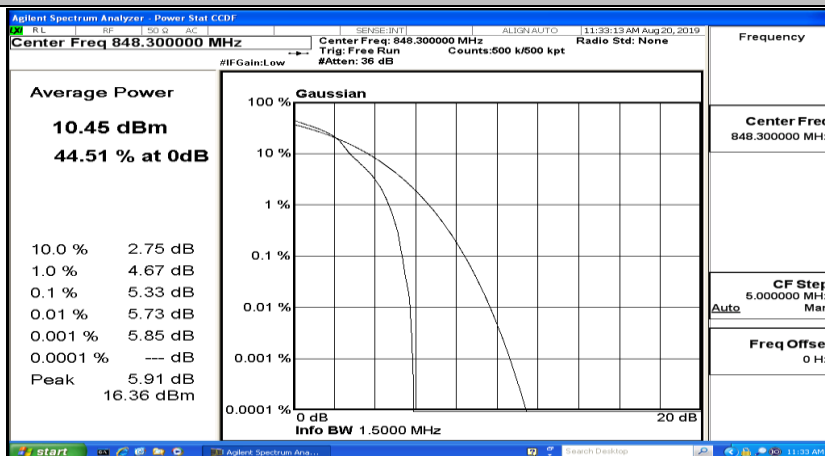
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



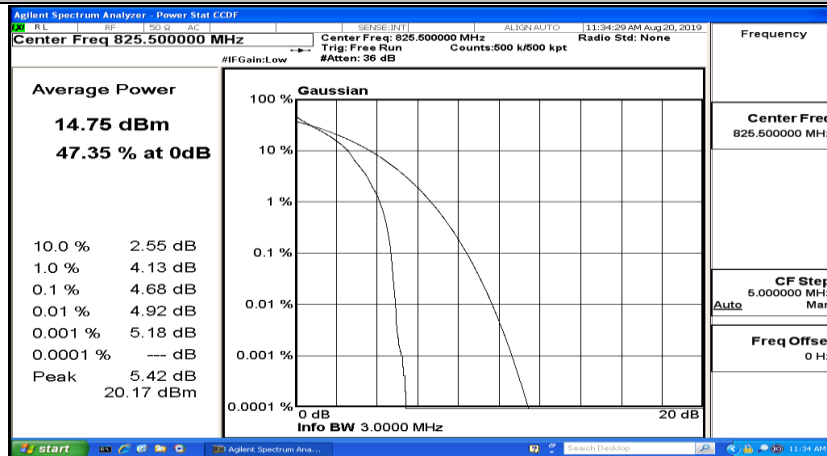
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



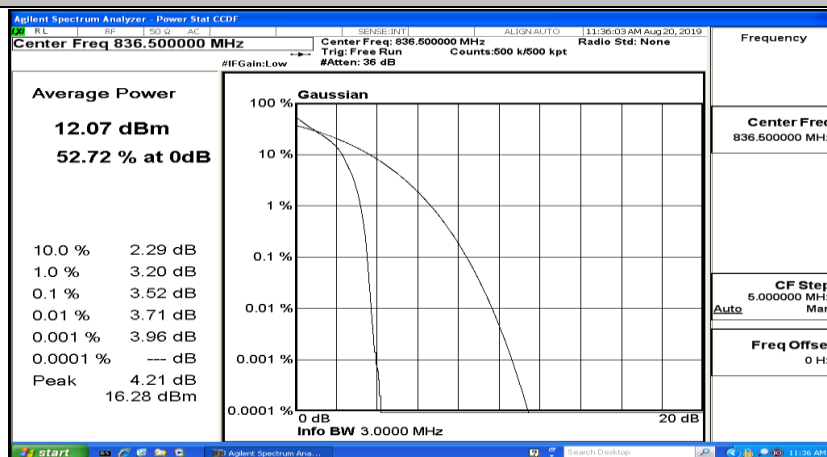
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



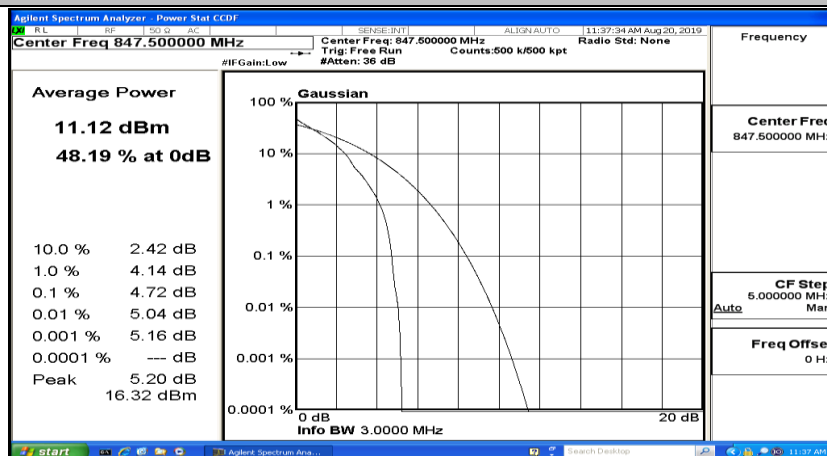
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



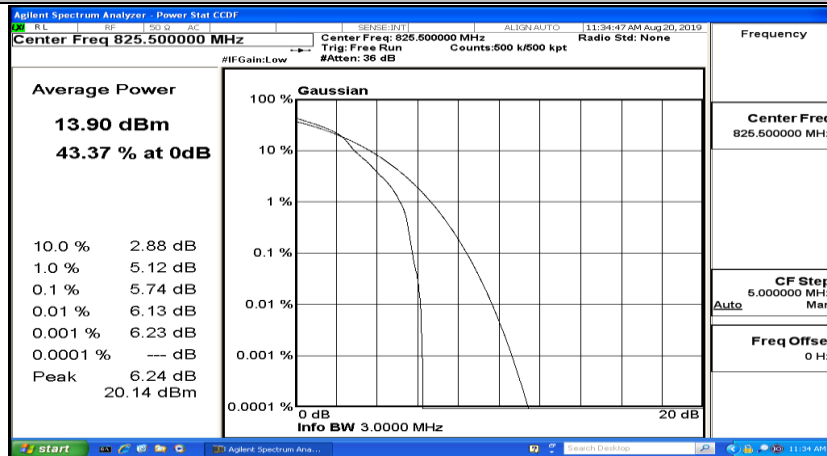
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



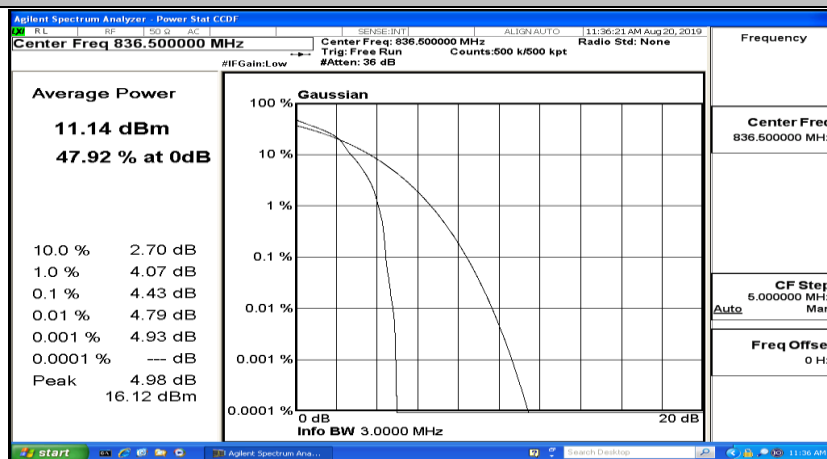
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



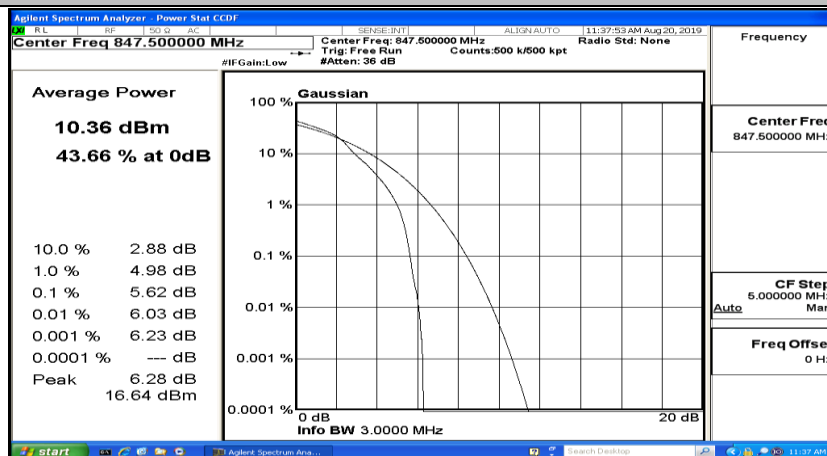
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



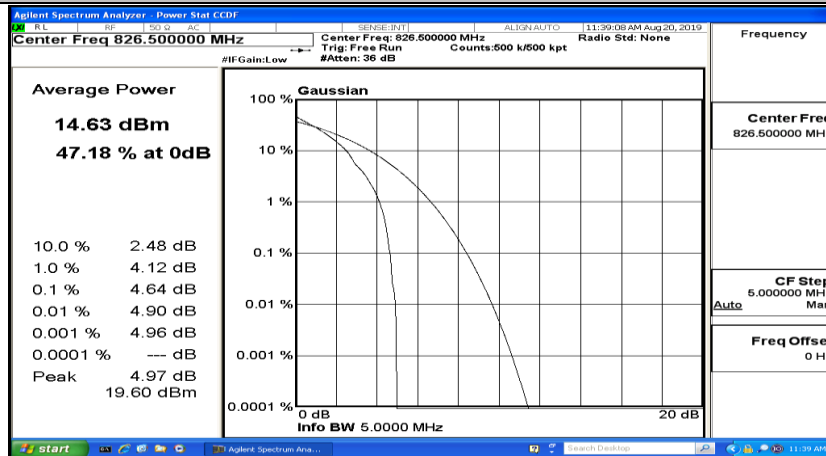
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



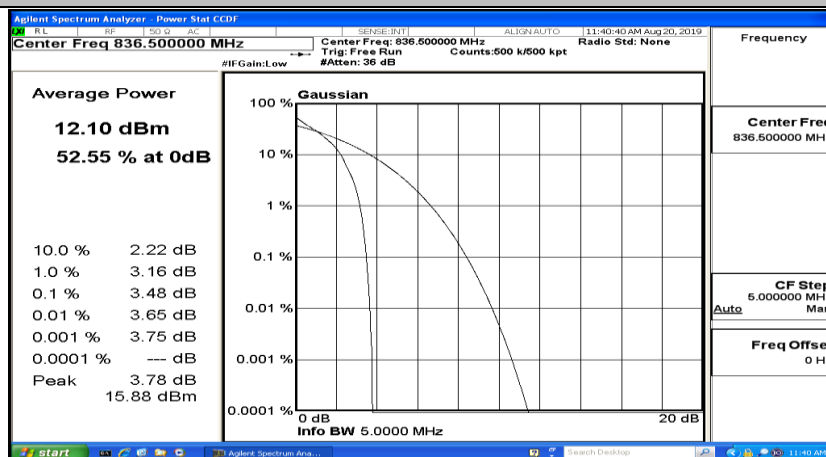
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



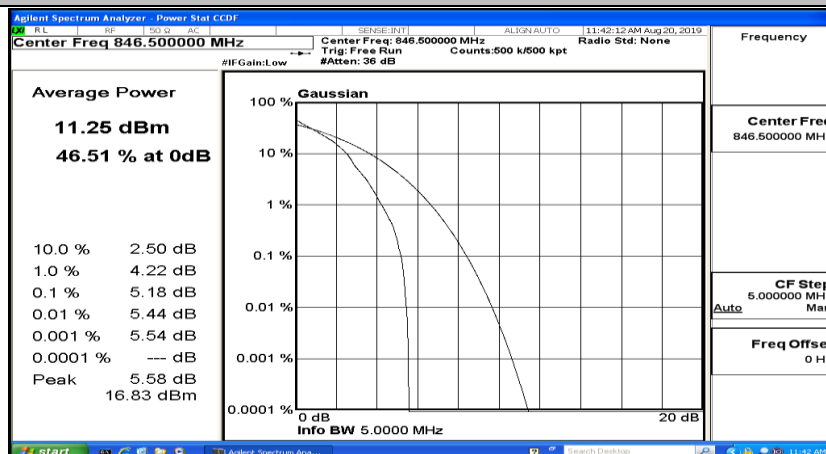
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



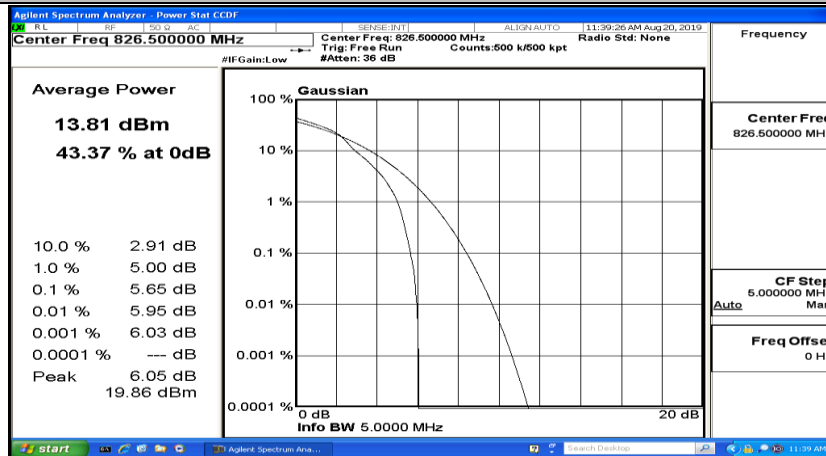
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



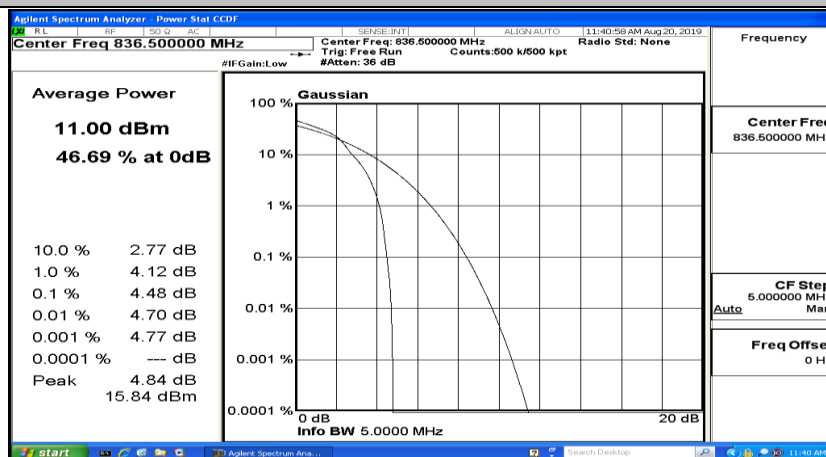
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



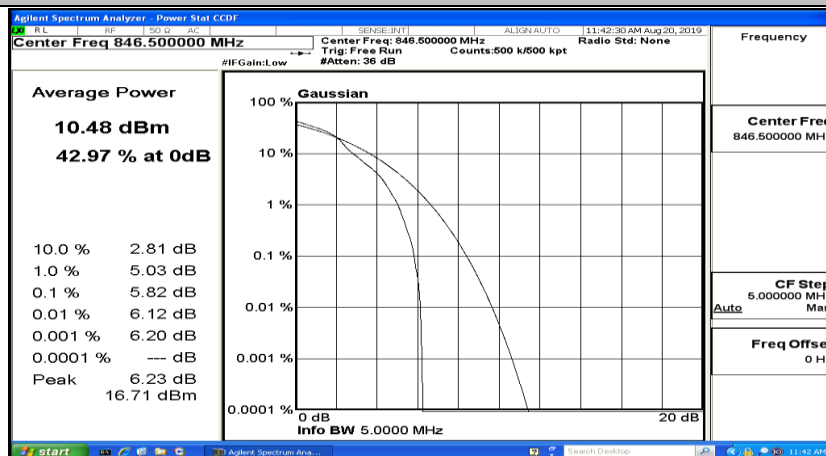
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



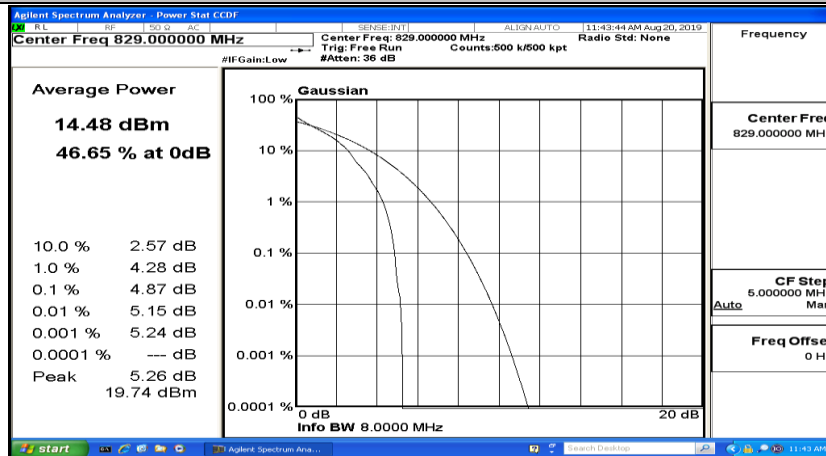
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



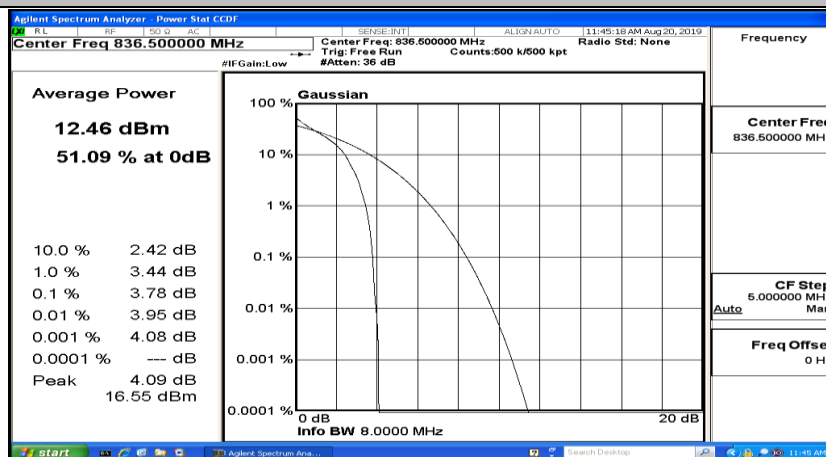
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



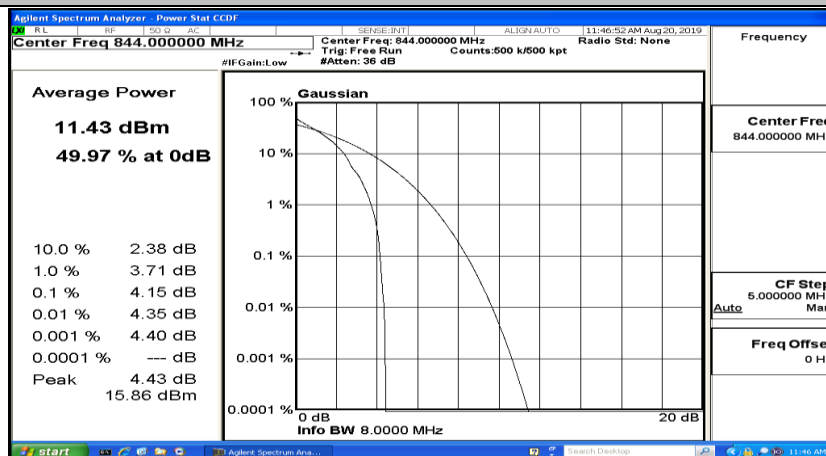
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



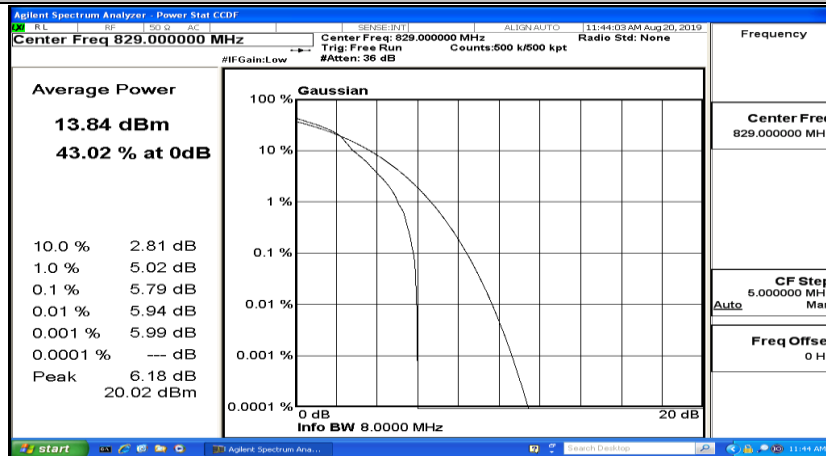
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



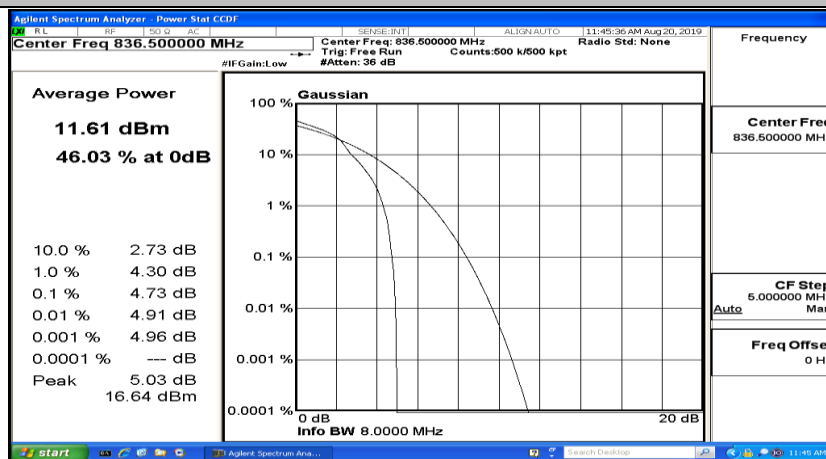
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



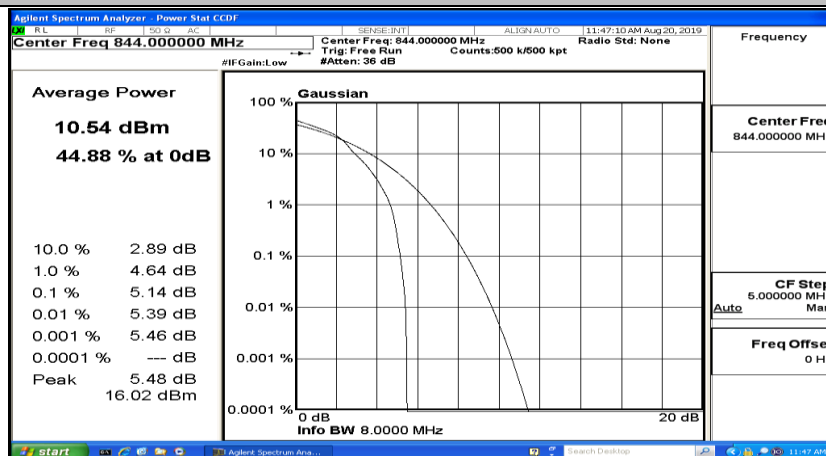
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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



H.3 26dB Bandwidth and Occupied Bandwidth

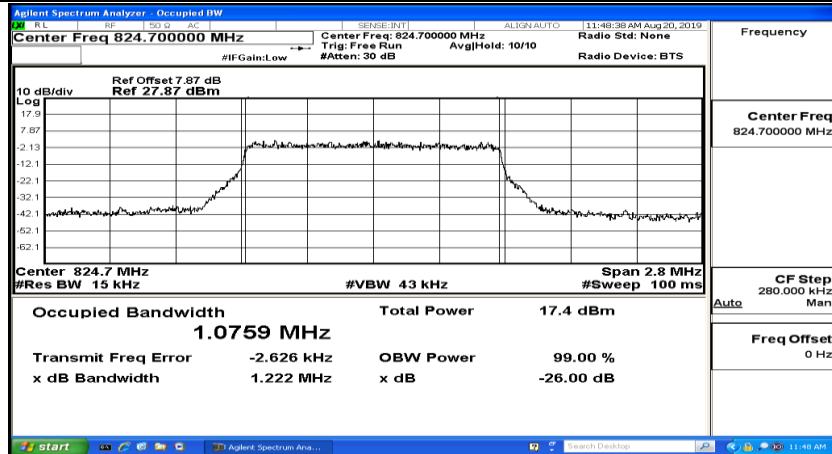
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0759	1.222	PASS
	MCH	1.0755	1.235	PASS
	HCH	1.0773	1.236	PASS
16QAM	LCH	1.0809	1.234	PASS
	MCH	1.0786	1.251	PASS
	HCH	1.0777	1.225	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6802	2.831	PASS
	MCH	2.6837	2.822	PASS
	HCH	2.6790	2.837	PASS
16QAM	LCH	2.6792	2.825	PASS
	MCH	2.6789	2.840	PASS
	HCH	2.6768	2.843	PASS

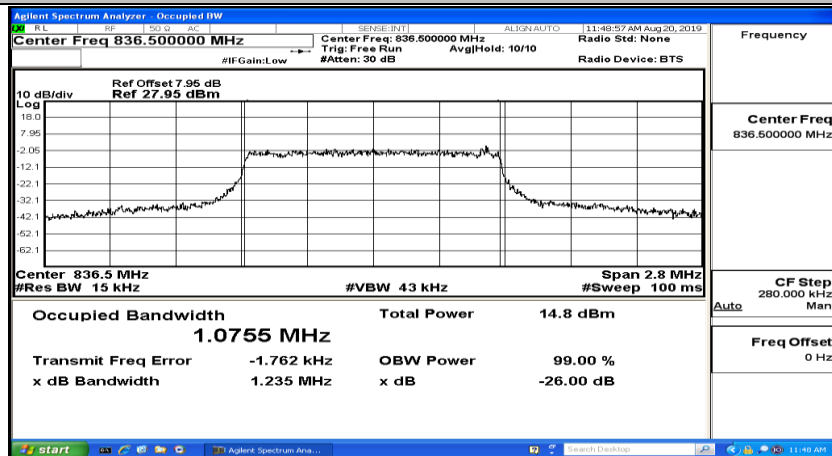
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4768	4.848	PASS
	MCH	4.4719	4.894	PASS
	HCH	4.4777	4.903	PASS
16QAM	LCH	4.4796	4.867	PASS
	MCH	4.4686	4.854	PASS
	HCH	4.4835	4.939	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9615	9.517	PASS
	MCH	8.9306	9.541	PASS
	HCH	8.9572	9.481	PASS
16QAM	LCH	8.9622	9.519	PASS
	MCH	8.9217	9.414	PASS
	HCH	8.9622	9.505	PASS

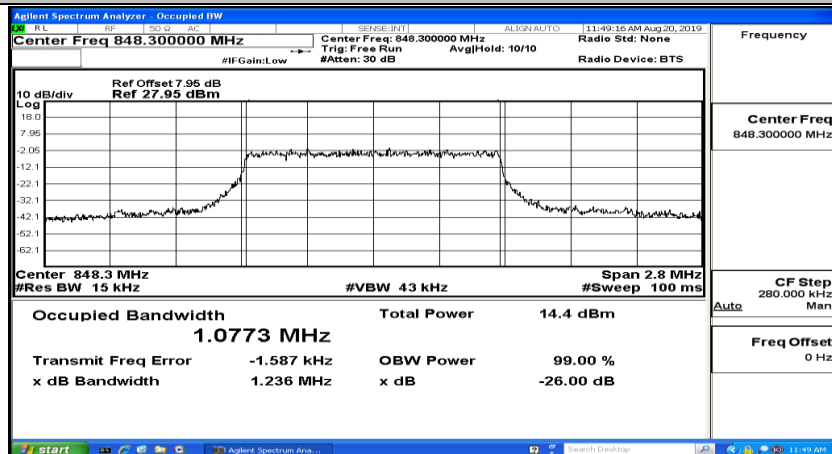
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



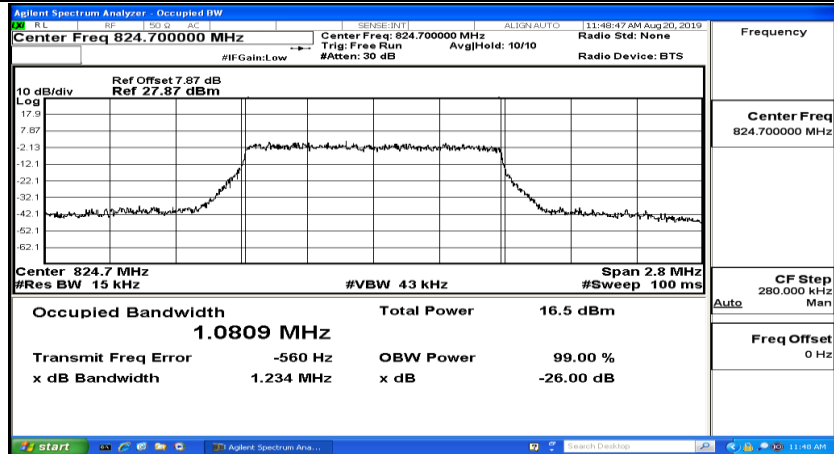
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



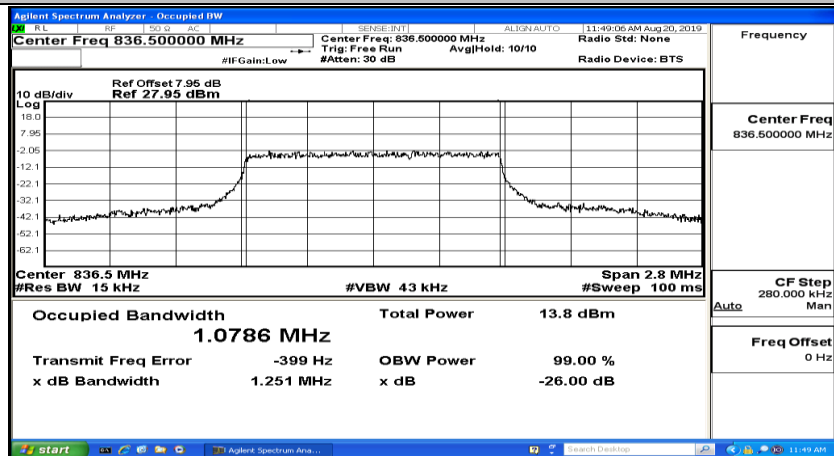
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



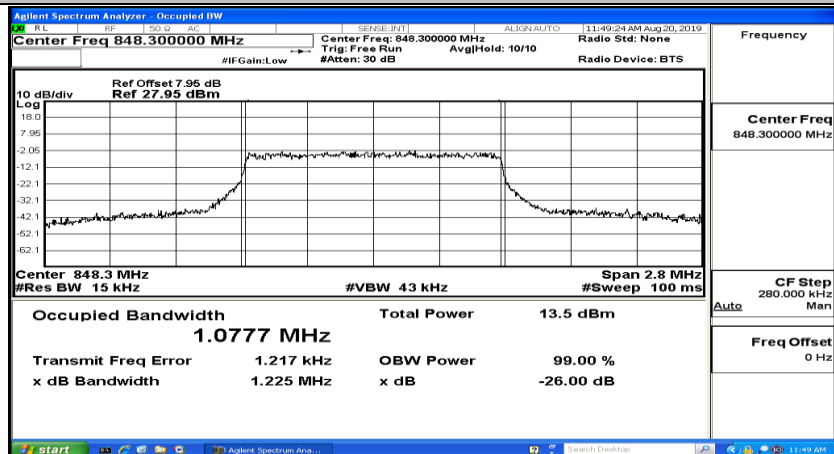
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



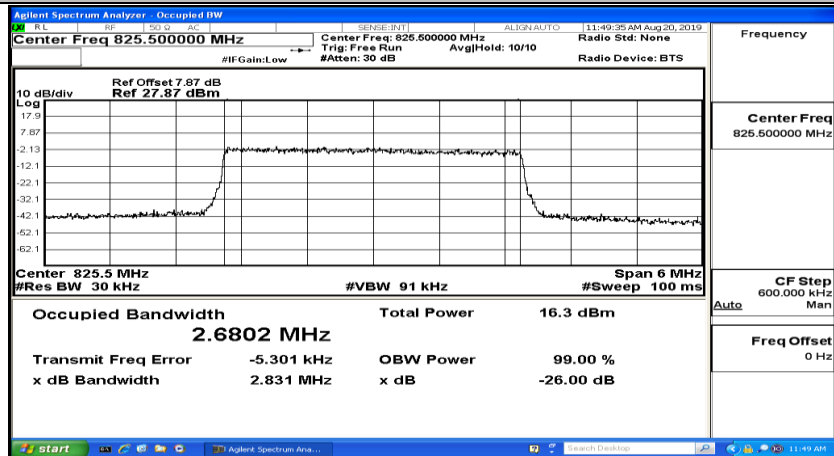
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



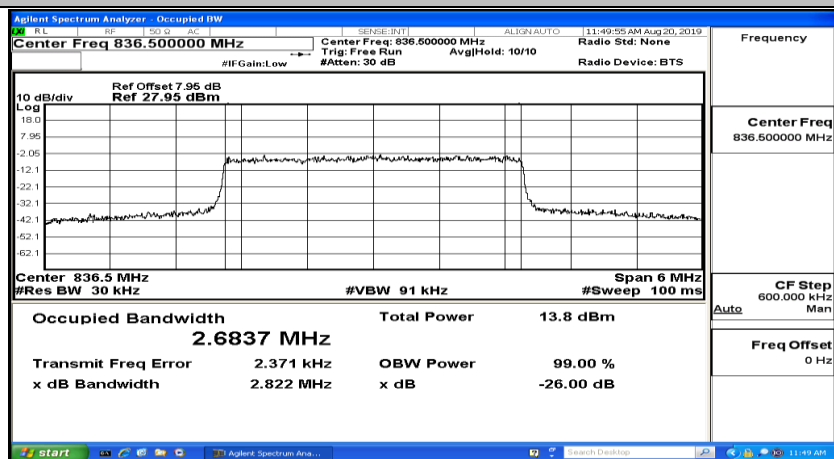
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



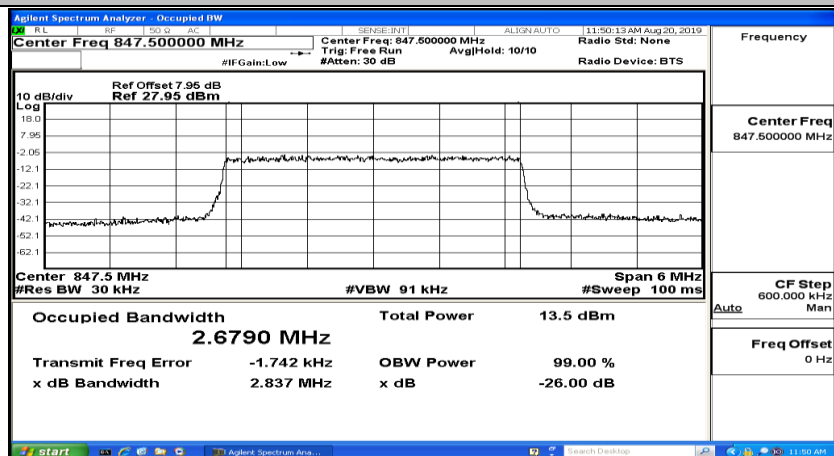
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



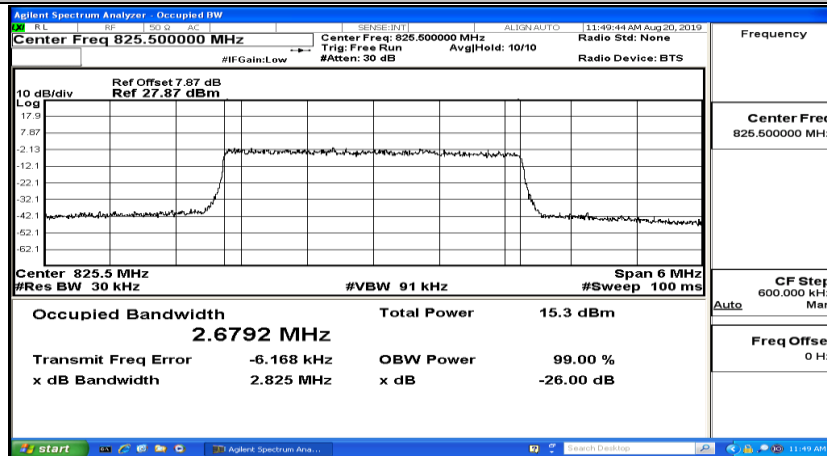
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



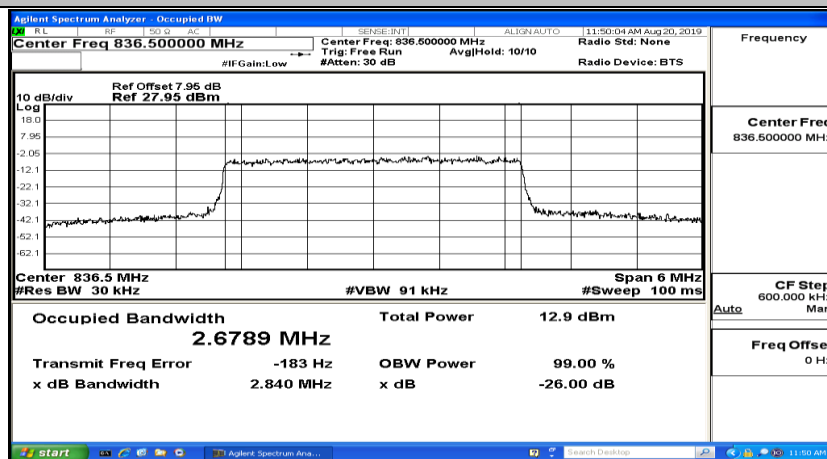
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



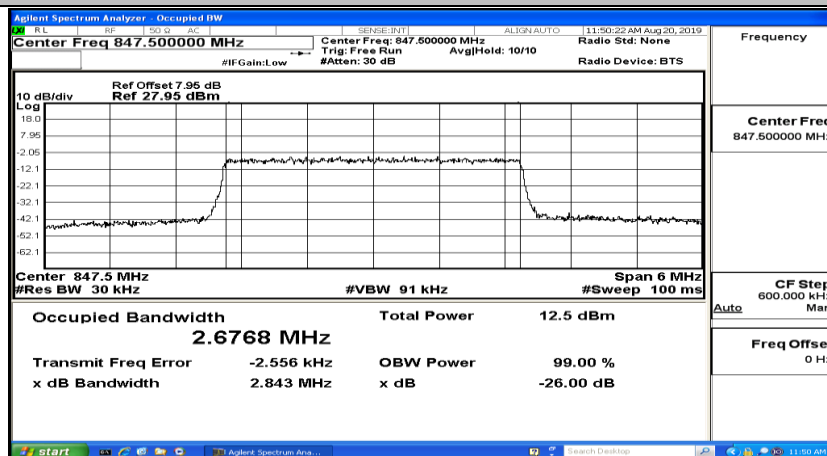
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



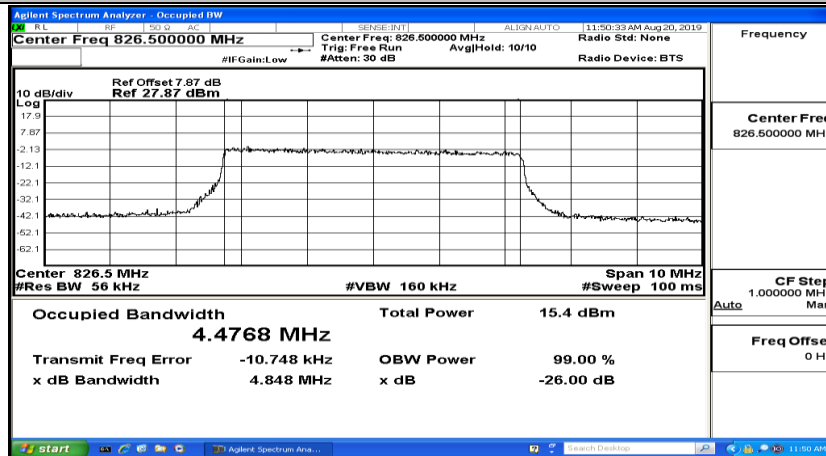
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



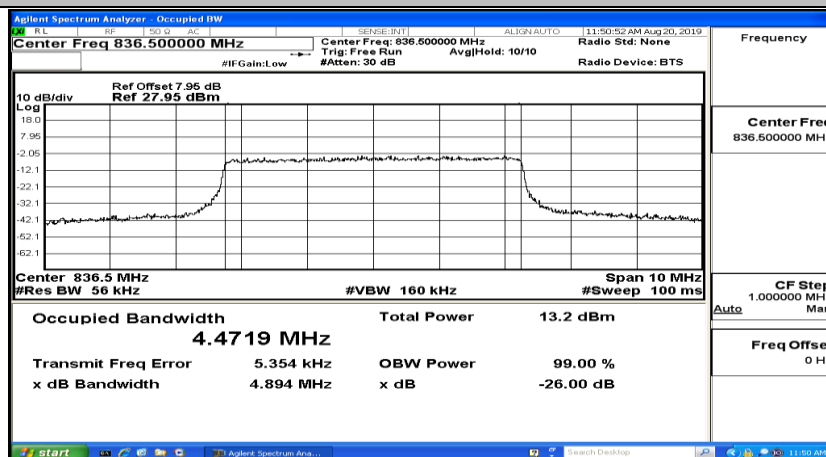
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



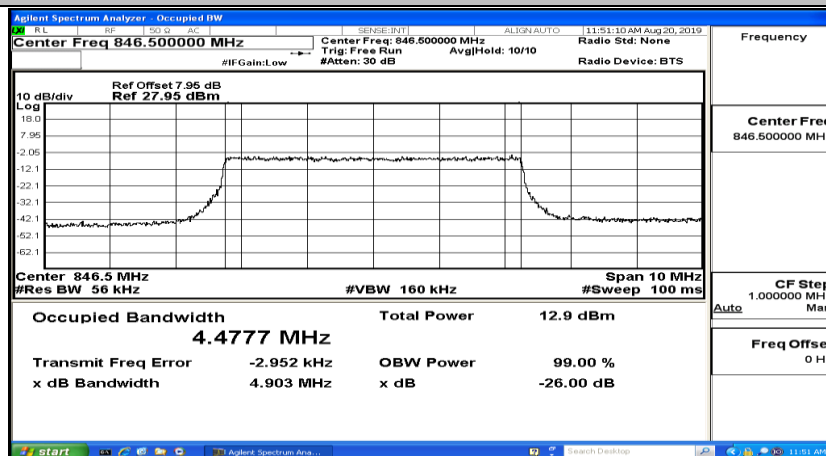
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



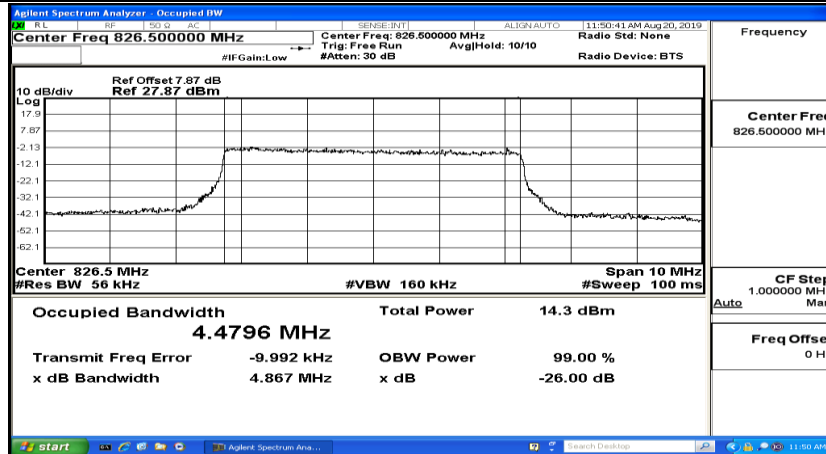
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



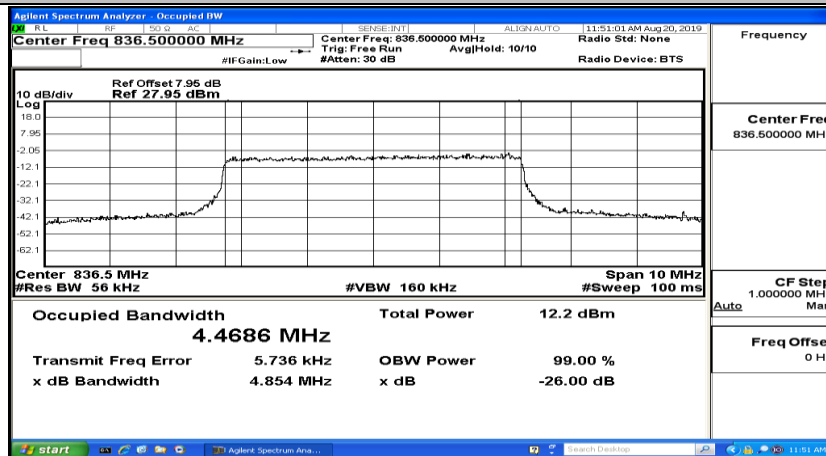
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



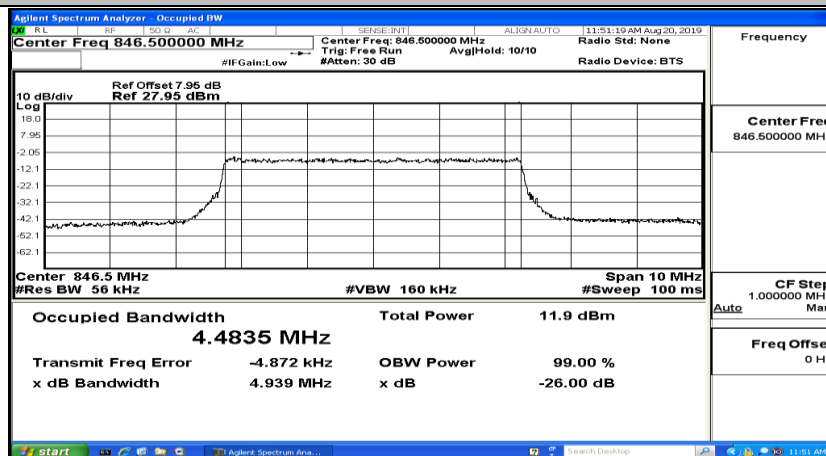
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



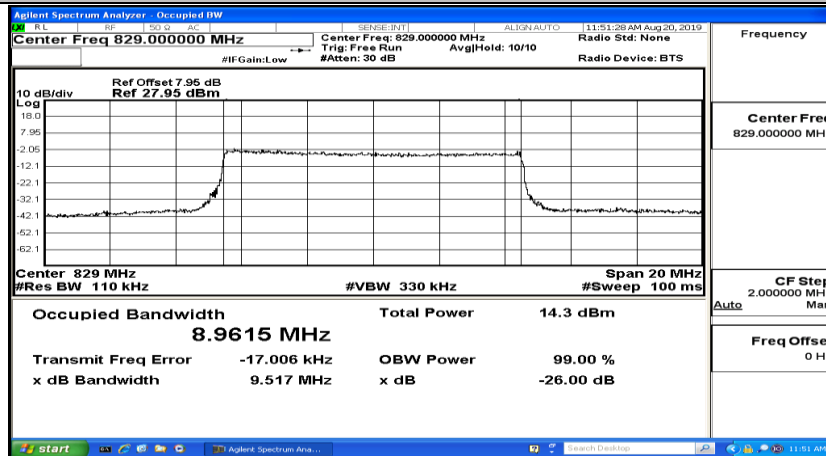
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



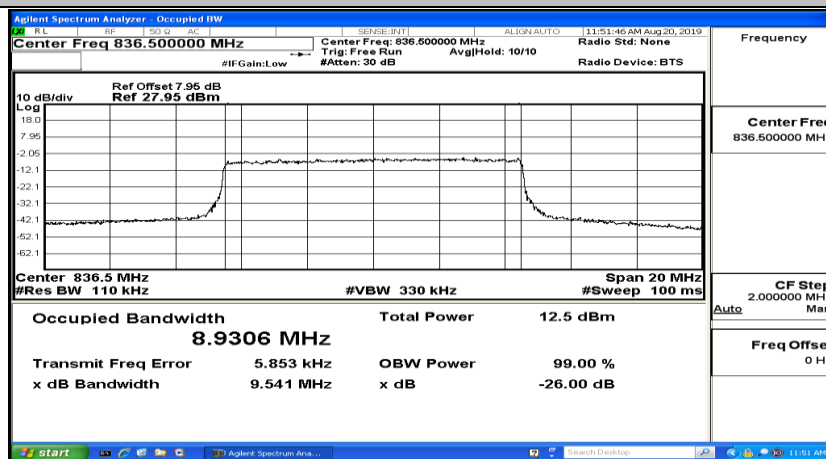
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



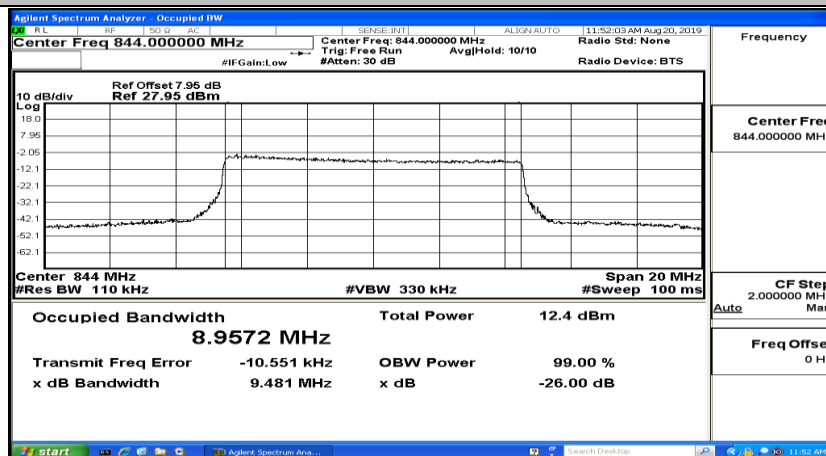
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



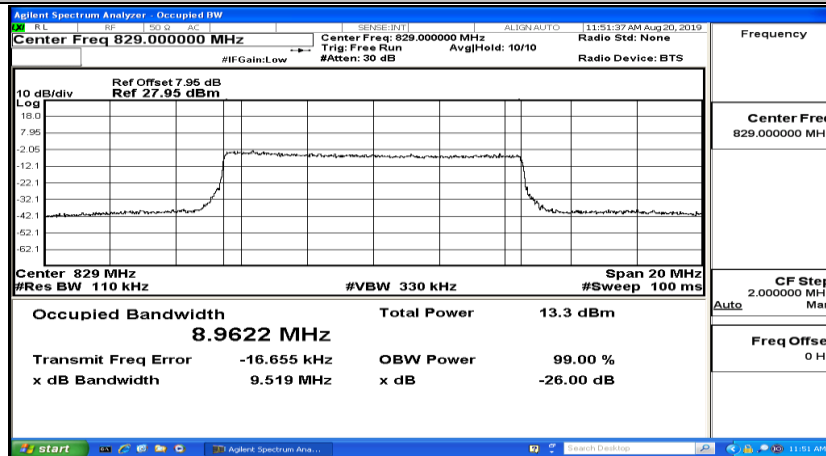
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



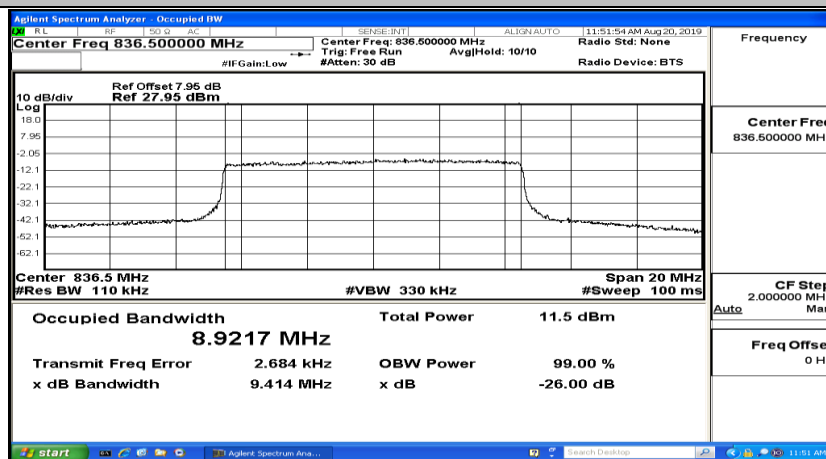
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



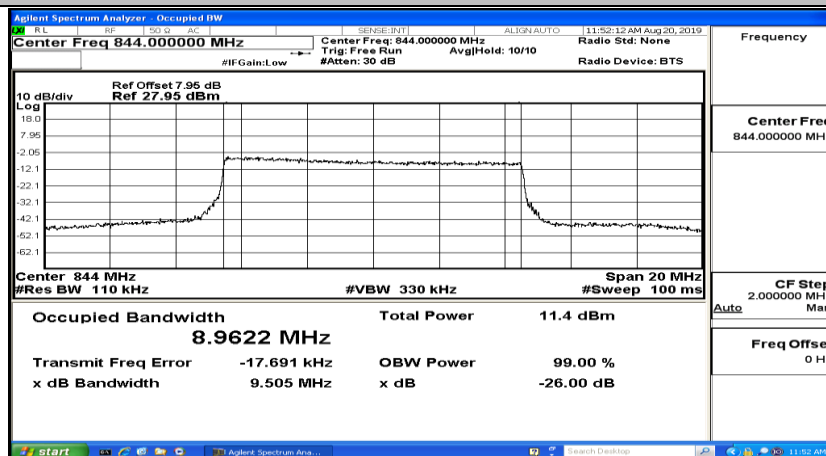
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

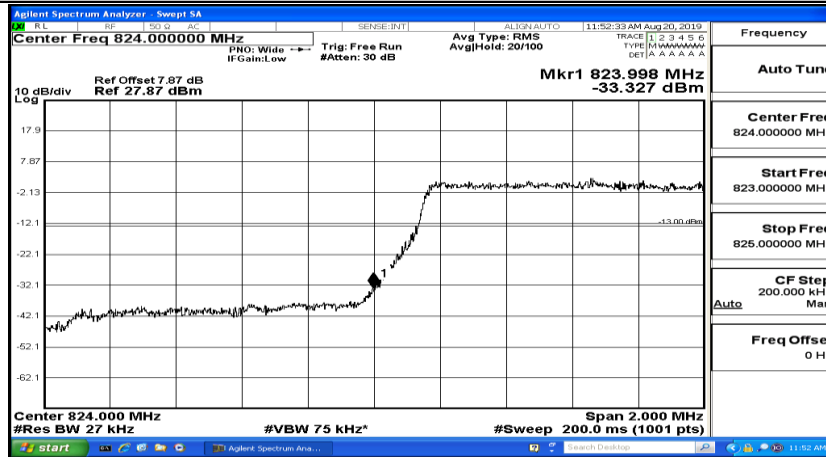


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

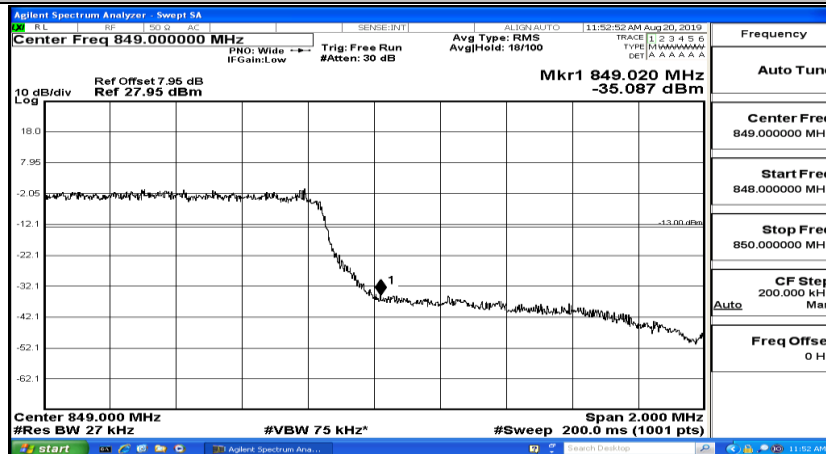


H.4 Band Edge

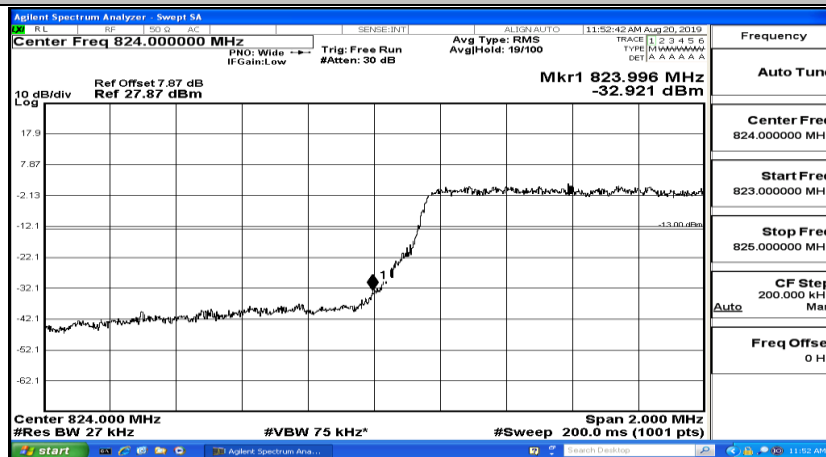
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



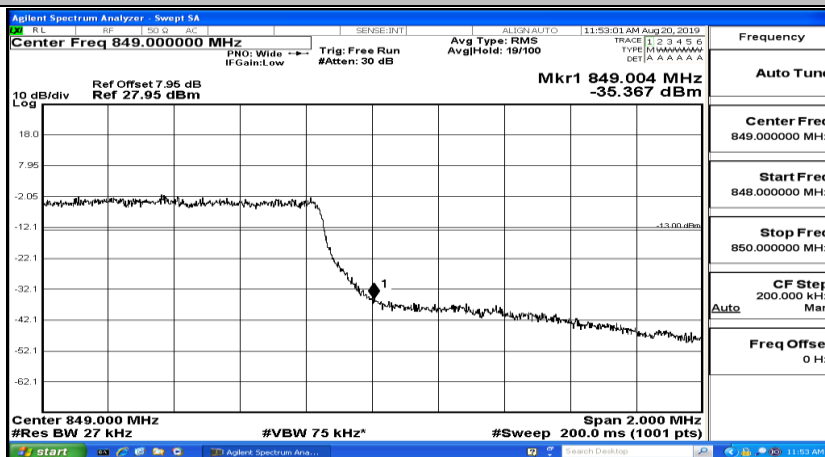
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



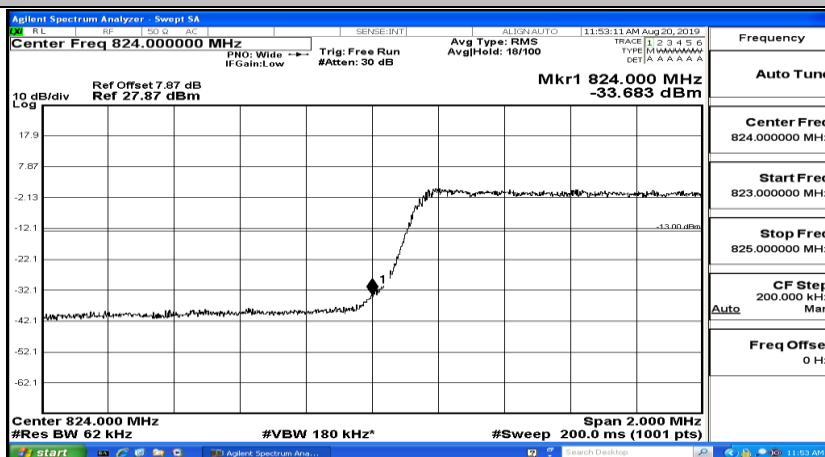
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



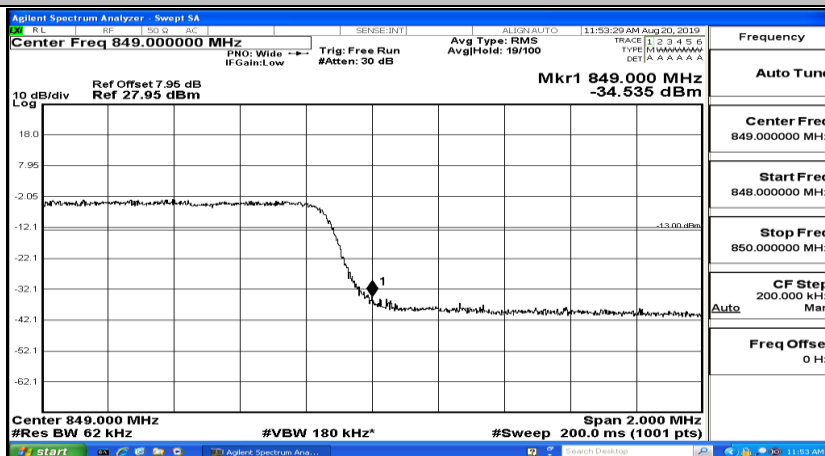
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



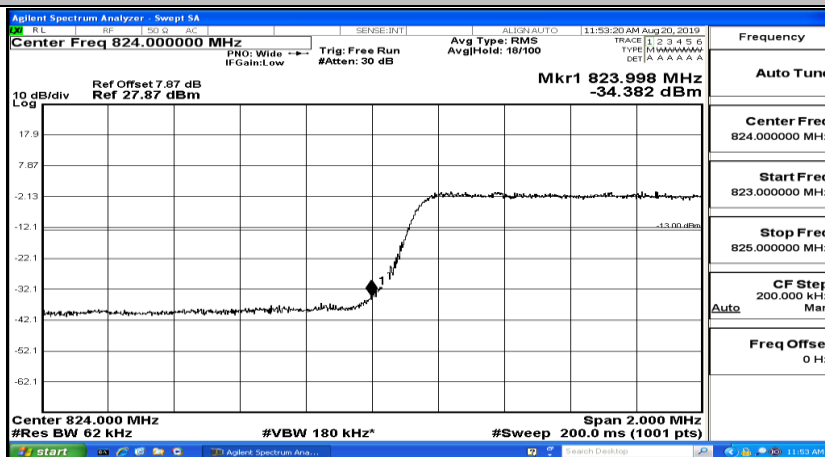
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



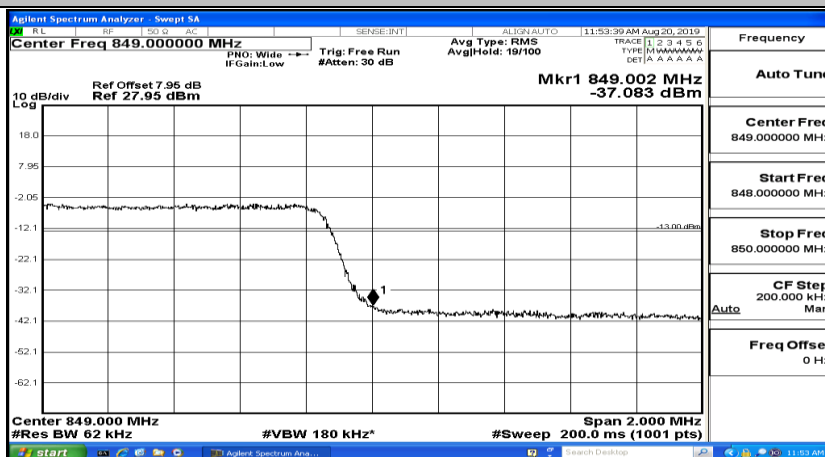
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



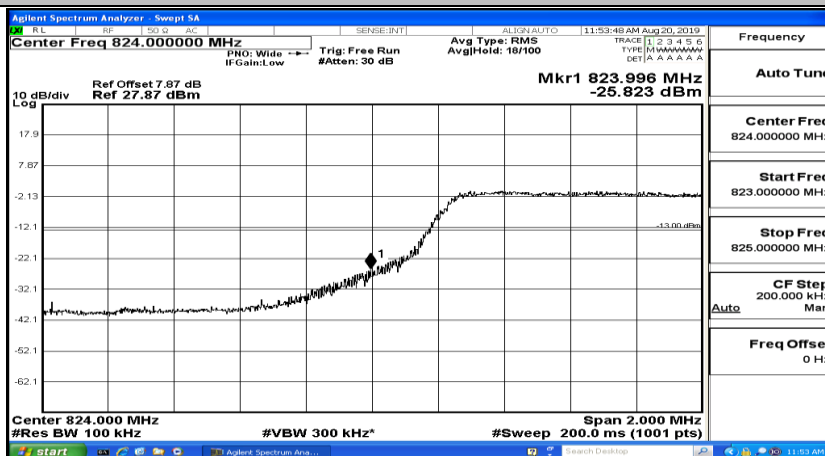
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



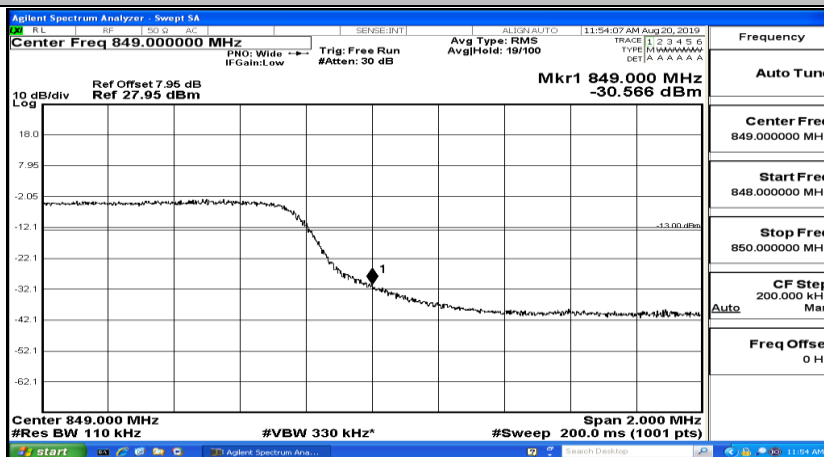
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



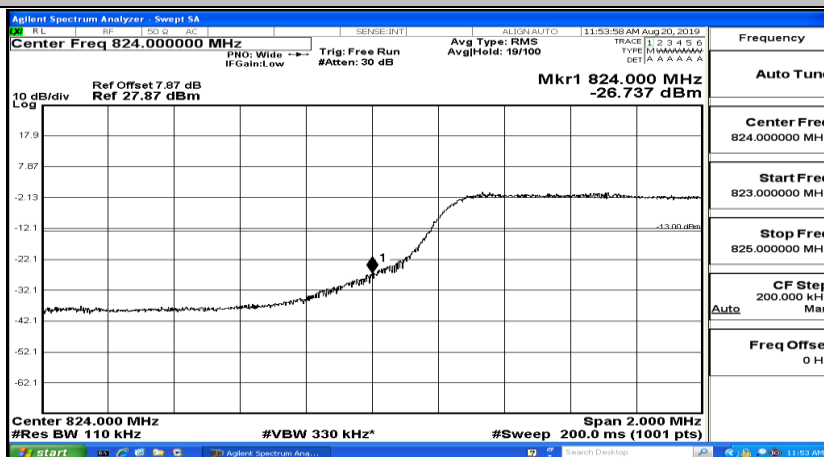
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



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

