

Appendix F: Test Data for E-UTRA Band 5

Product Name: Camcorder

Trade Mark: ZECN

Test Model: DSJ-AI

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Ryan.Hu
Supervised by:	Jayden Zhuo

F.1 Conducted Output Power

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	22.33	21.82	PASS
		1	3	22.53	21.93	PASS
		1	5	22.12	21.74	PASS
		3	0	22.77	22.21	PASS
		3	2	22.34	21.89	PASS
		3	3	22.32	21.77	PASS
		6	0	22.14	21.75	PASS
	MCH	1	0	22.65	22.07	PASS
		1	3	22.67	22.08	PASS
		1	5	22.71	22.13	PASS
		3	0	22.66	21.78	PASS
		3	2	22.28	21.86	PASS
		3	3	22.76	22.18	PASS
		6	0	22.72	22.01	PASS
	HCH	1	0	22.51	21.75	PASS
		1	3	22.15	21.64	PASS
		1	5	22.49	21.88	PASS
		3	0	22.57	21.91	PASS
		3	2	22.63	21.89	PASS
		3	3	22.49	21.93	PASS
		6	0	22.23	21.84	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	22.20	21.86	PASS
		1	7	22.59	22.11	PASS
		1	14	22.15	21.82	PASS
		8	0	22.23	21.84	PASS
		8	4	22.82	21.70	PASS
		8	7	22.45	21.97	PASS
		15	0	22.32	21.90	PASS
	MCH	1	0	22.20	21.70	PASS
		1	7	22.45	21.86	PASS
		1	14	22.31	21.83	PASS
		8	0	22.62	22.07	PASS
		8	4	22.35	21.87	PASS
		8	7	22.20	21.85	PASS
		15	0	22.50	22.13	PASS
	HCH	1	0	22.30	21.89	PASS
		1	7	22.56	22.05	PASS
		1	14	22.19	21.74	PASS
		8	0	22.76	22.28	PASS
		8	4	22.58	22.03	PASS
		8	7	22.27	21.79	PASS
		15	0	22.42	21.83	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	22.57	22.15	PASS
		1	12	22.39	21.79	PASS
		1	24	22.38	21.86	PASS
		12	0	22.41	21.93	PASS
		12	6	22.14	21.80	PASS
		12	13	22.34	21.81	PASS
		25	0	22.86	21.83	PASS
	MCH	1	0	22.31	21.88	PASS
		1	12	22.47	21.96	PASS
		1	24	22.87	22.31	PASS
		12	0	22.68	22.15	PASS
		12	6	22.83	22.30	PASS
		12	13	22.53	21.84	PASS
		25	0	22.73	22.28	PASS
	HCH	1	0	22.18	21.79	PASS
		1	12	22.19	21.83	PASS
		1	24	22.67	22.11	PASS
		12	0	22.90	22.15	PASS
		12	6	22.51	22.09	PASS
		12	13	22.15	21.80	PASS
		25	0	22.56	22.04	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	22.50	22.11	PASS
		1	24	23.02	22.68	PASS
		1	49	23.05	22.72	PASS
		25	0	22.63	22.16	PASS
		25	12	22.69	22.19	PASS
		25	25	23.01	22.32	PASS
		50	0	22.81	22.38	PASS
	MCH	1	0	23.11	22.80	PASS
		1	24	22.81	22.40	PASS
		1	49	23.19	22.76	PASS
		25	0	23.29	22.38	PASS
		25	12	22.85	22.12	PASS
		25	25	22.97	22.15	PASS
		50	0	22.55	22.11	PASS
	HCH	1	0	23.07	22.46	PASS
		1	24	23.26	22.83	PASS
		1	49	23.15	22.41	PASS
		25	0	22.55	22.01	PASS
		25	12	22.88	22.34	PASS
		25	25	23.19	22.47	PASS
		50	0	22.82	22.18	PASS

F.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	5.10	<13	PASS
	MCH	4.81	<13	PASS
	HCH	4.09	<13	PASS
16QAM	LCH	5.85	<13	PASS
	MCH	5.6	<13	PASS
	HCH	4.96	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.46	<13	PASS
	MCH	5.02	<13	PASS
	HCH	4.94	<13	PASS
16QAM	LCH	6.23	<13	PASS
	MCH	5.87	<13	PASS
	HCH	5.66	<13	PASS

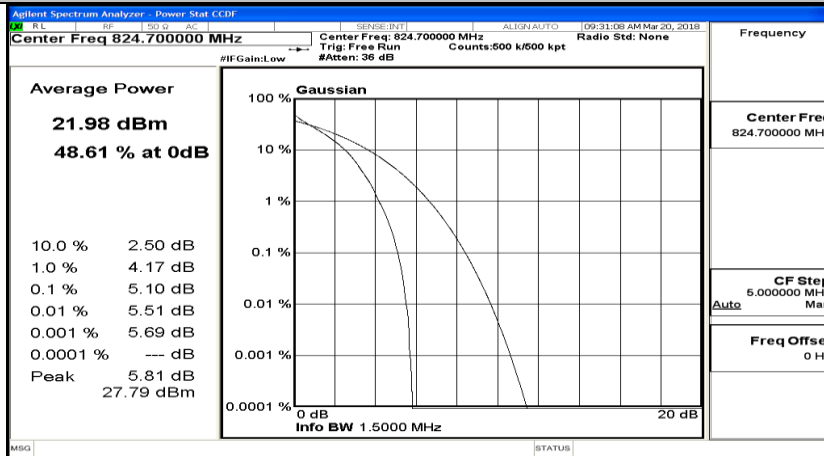
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.65	<13	PASS
	MCH	5.05	<13	PASS
	HCH	5.11	<13	PASS
16QAM	LCH	6.41	<13	PASS
	MCH	5.81	<13	PASS
	HCH	5.88	<13	PASS

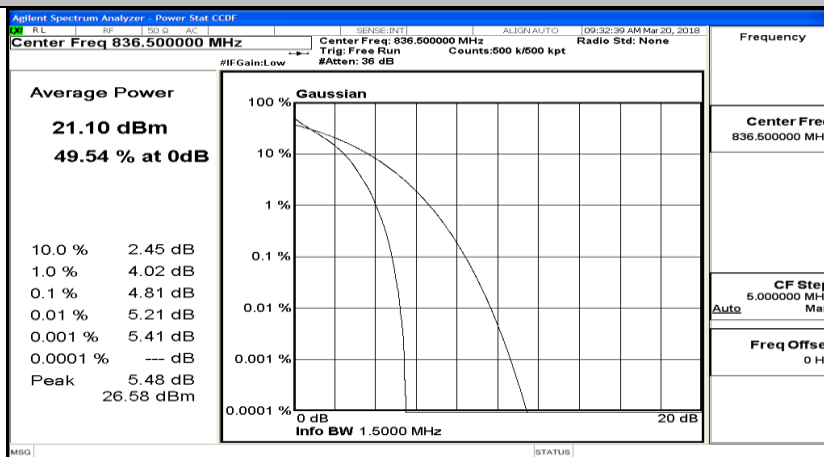
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.58	<13	PASS
	MCH	5.33	<13	PASS
	HCH	5.35	<13	PASS
16QAM	LCH	6.33	<13	PASS
	MCH	5.99	<13	PASS
	HCH	6.09	<13	PASS

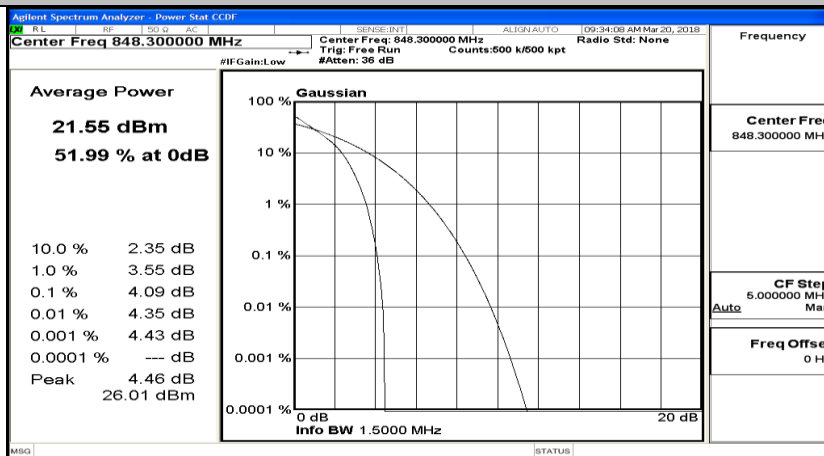
Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



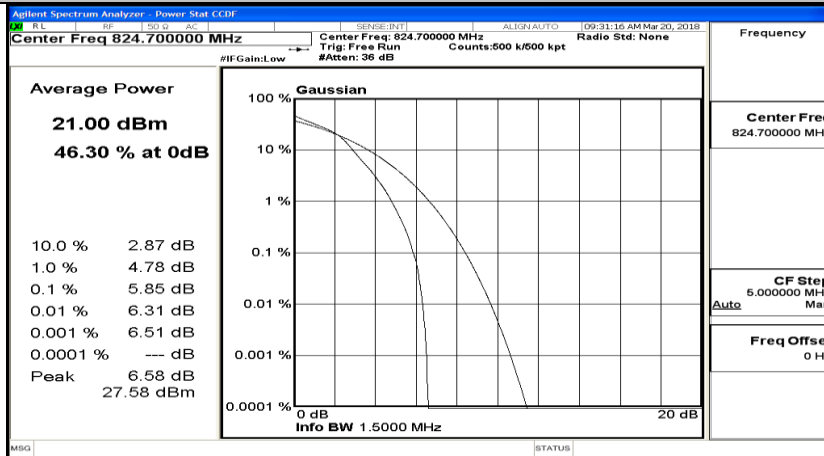
Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



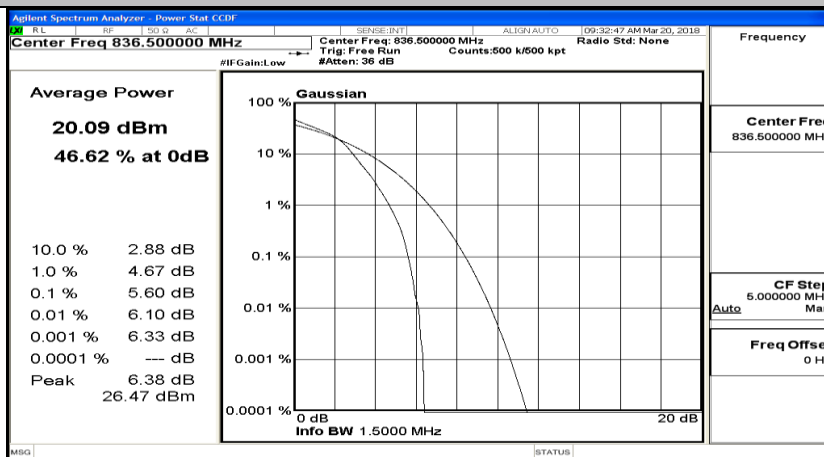
Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



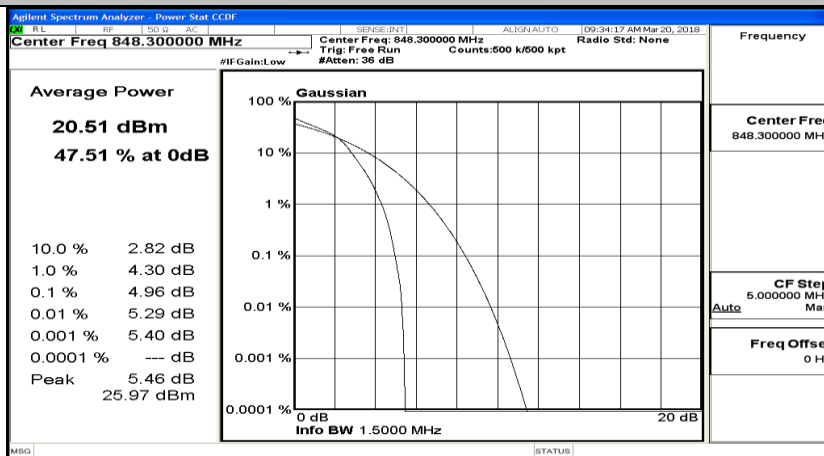
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



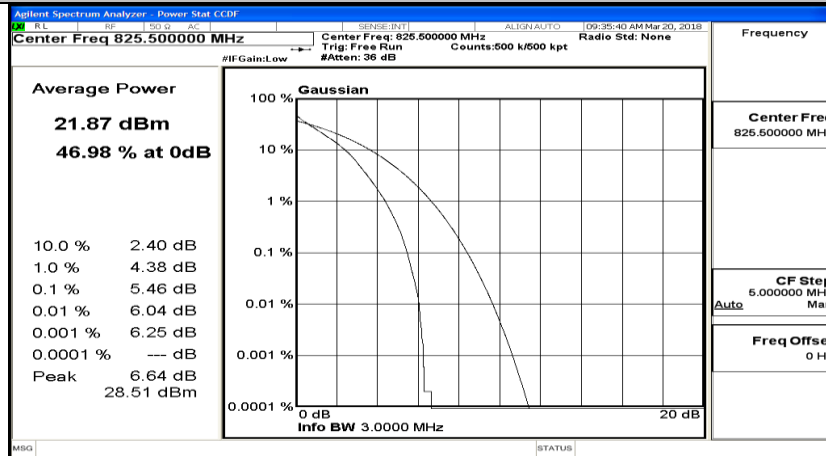
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



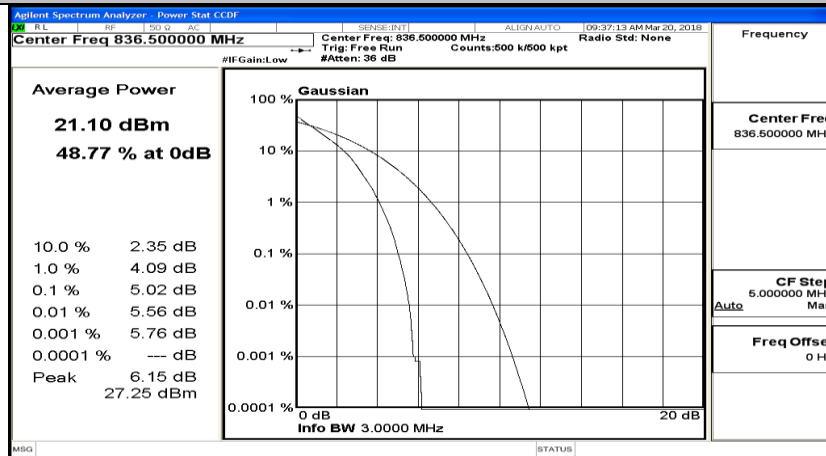
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



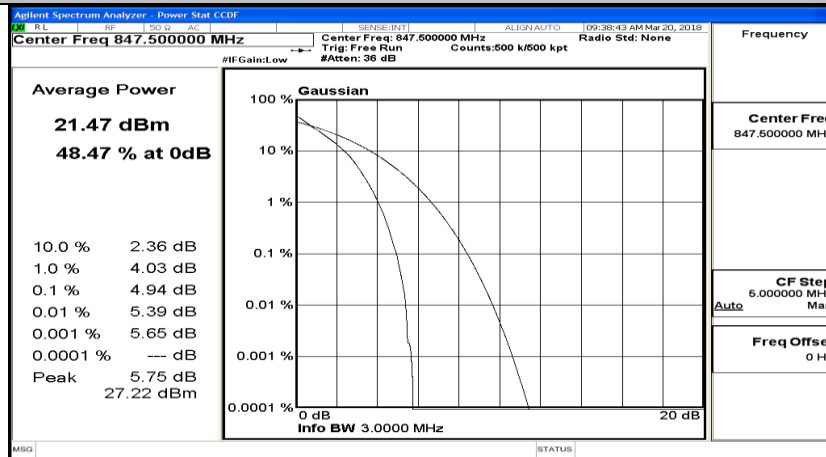
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



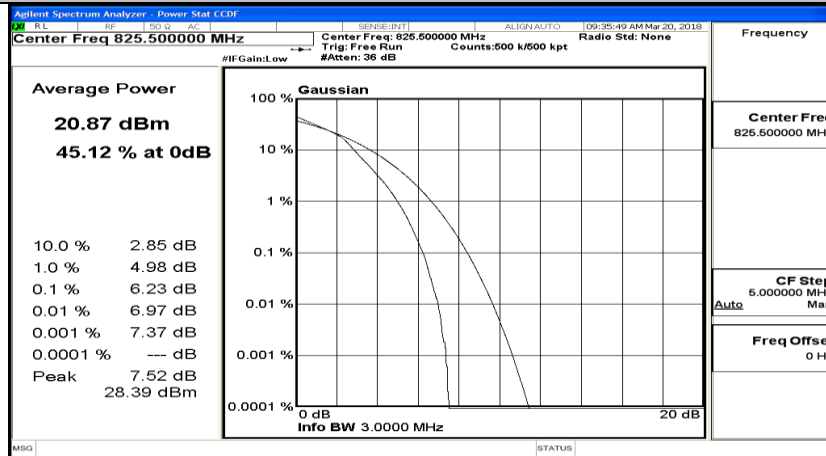
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



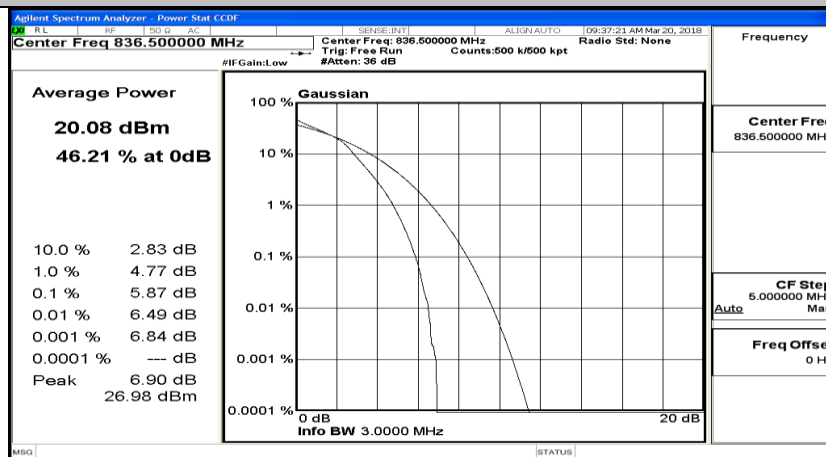
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



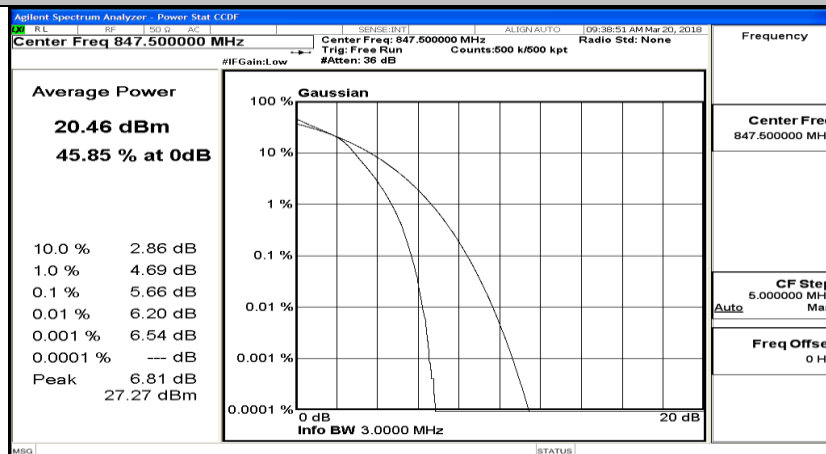
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



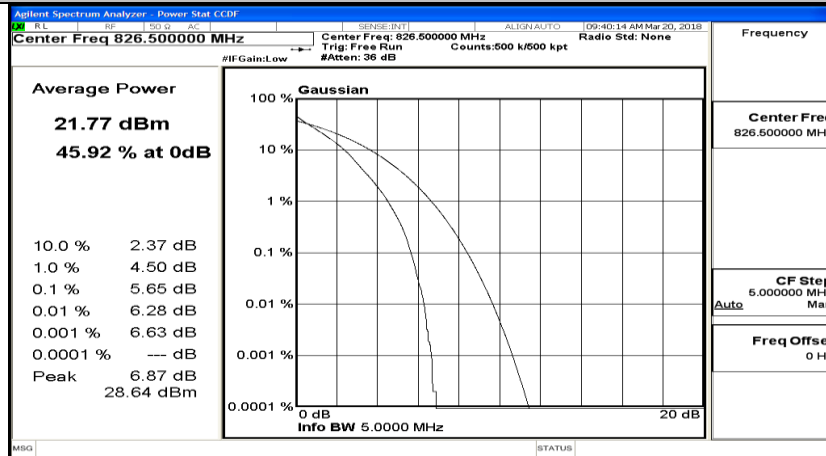
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



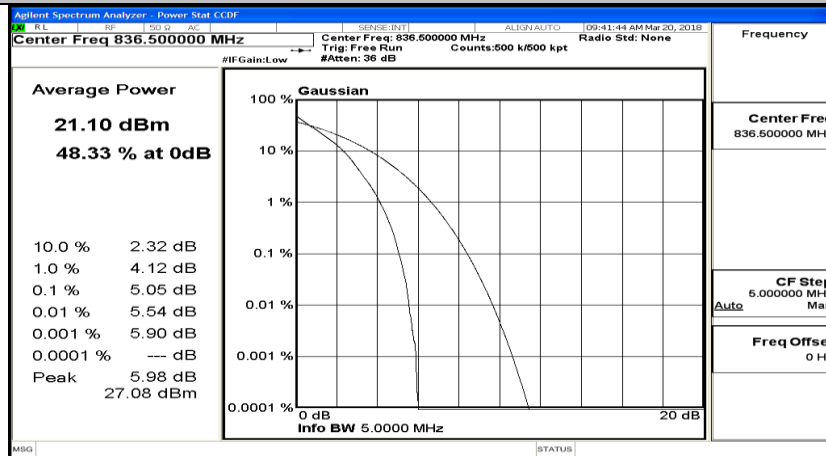
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



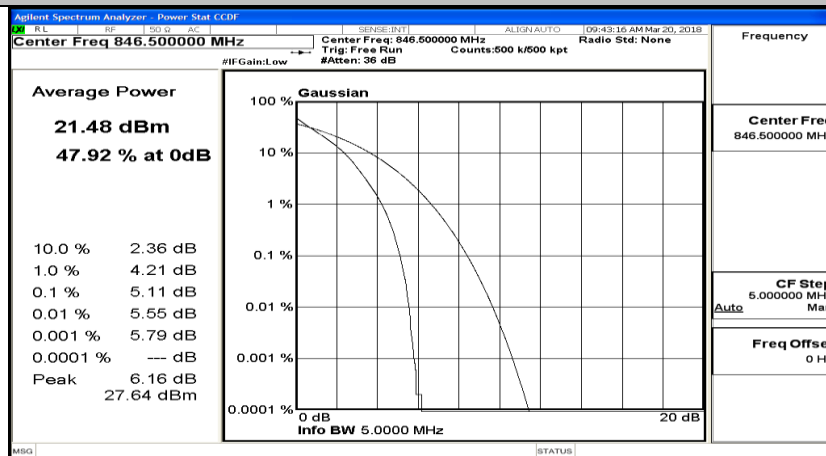
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



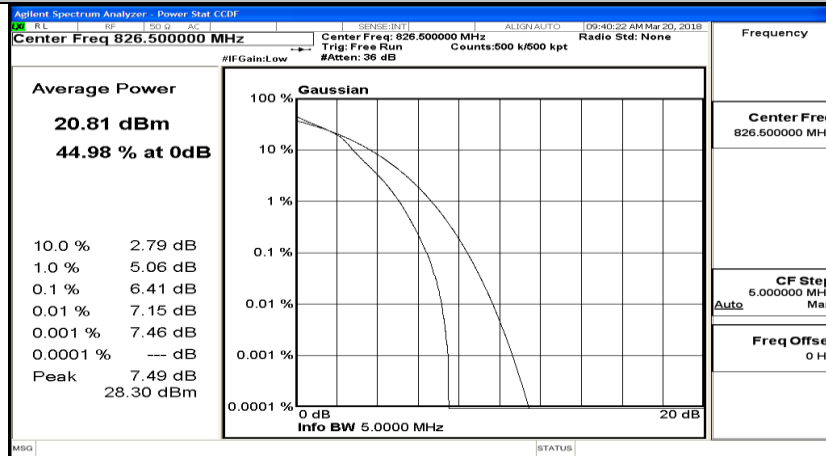
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



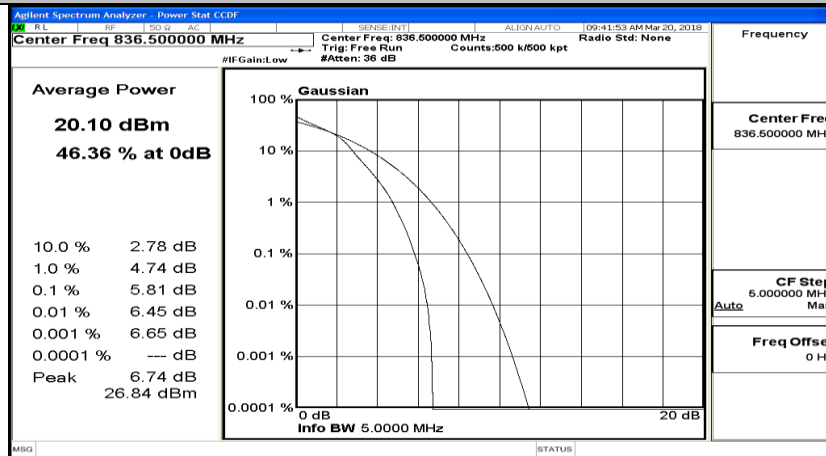
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



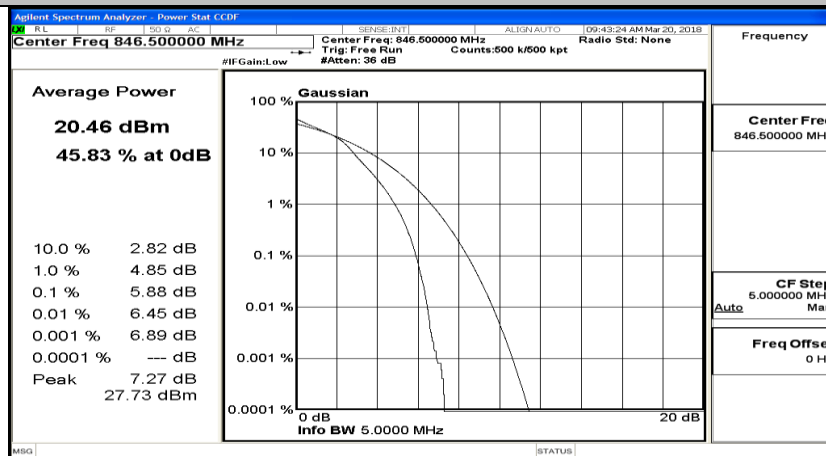
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



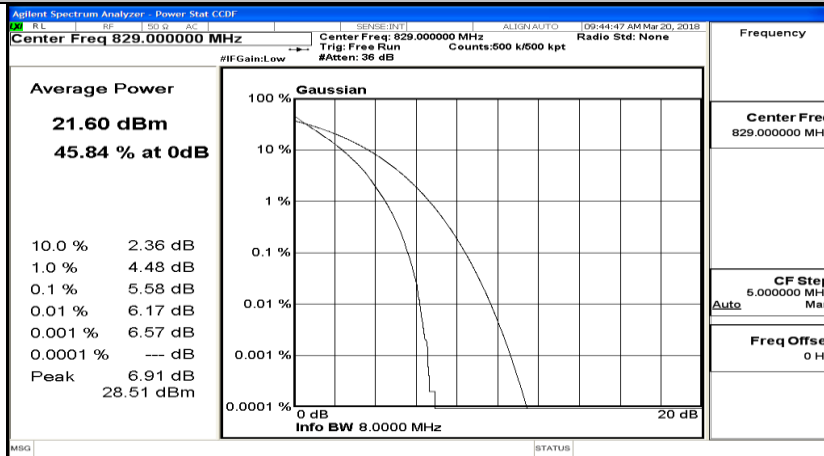
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



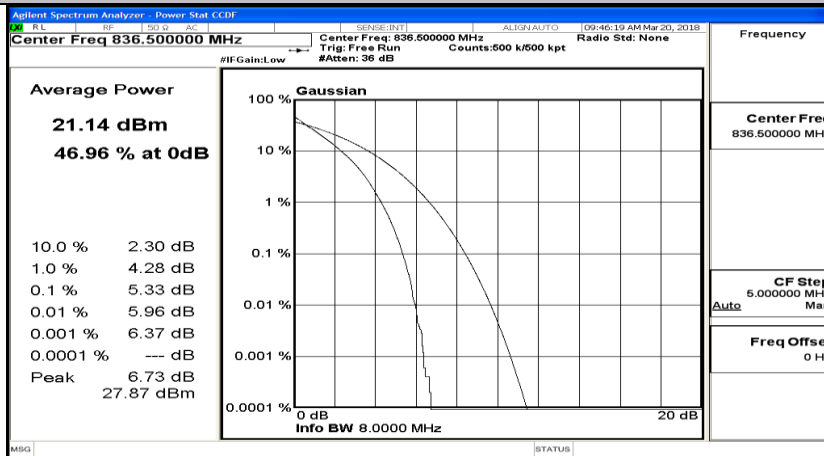
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



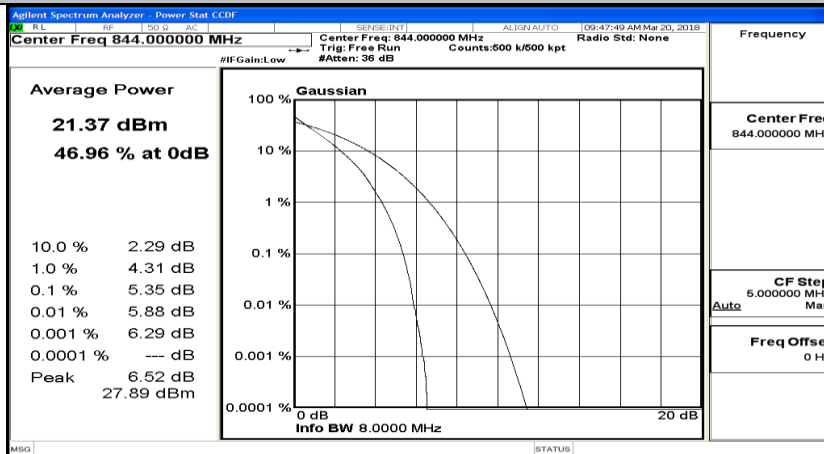
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



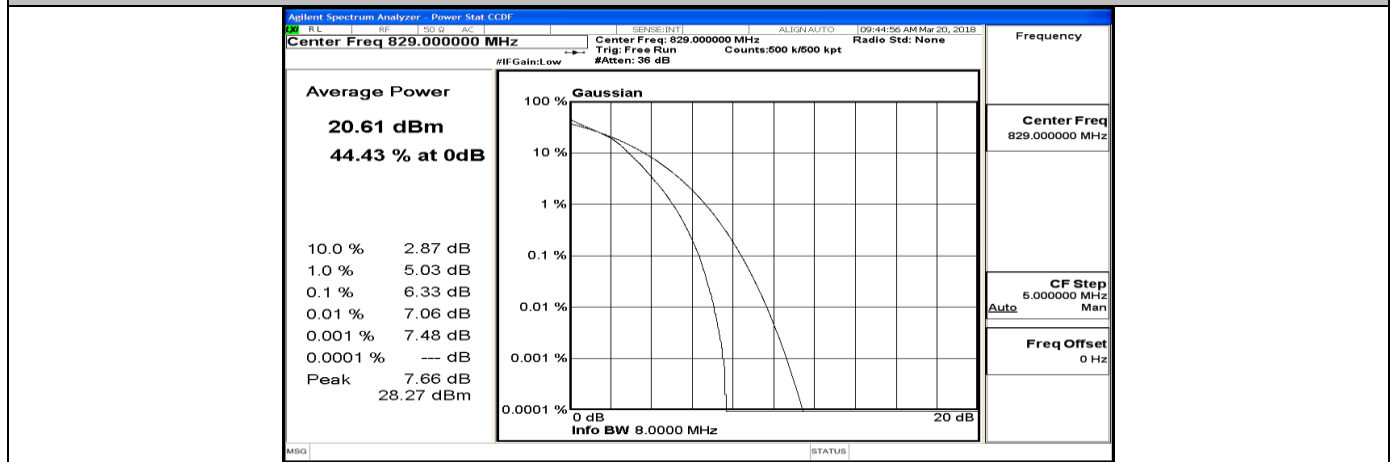
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



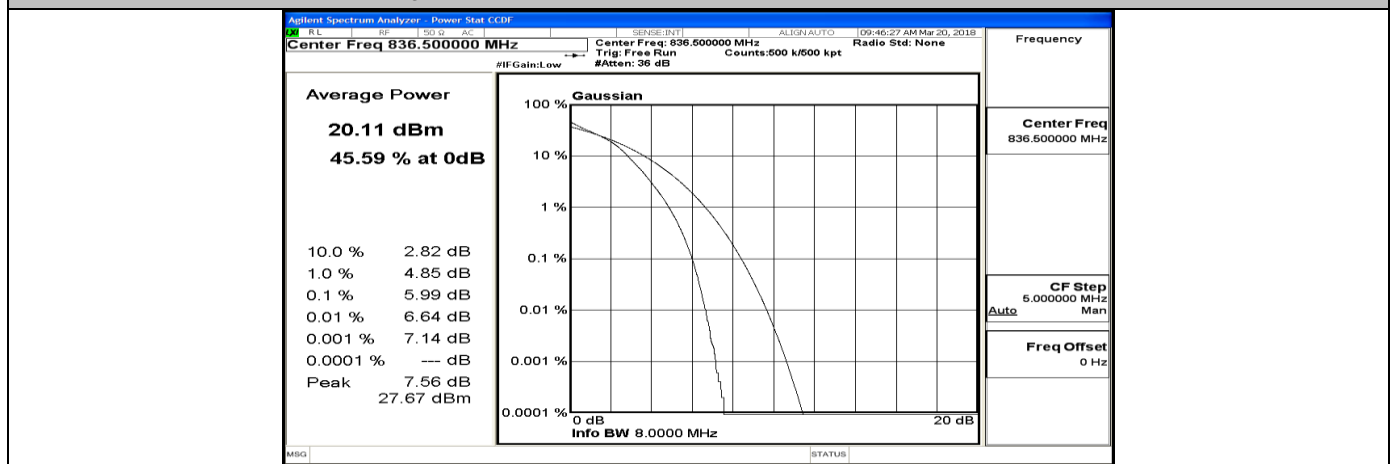
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



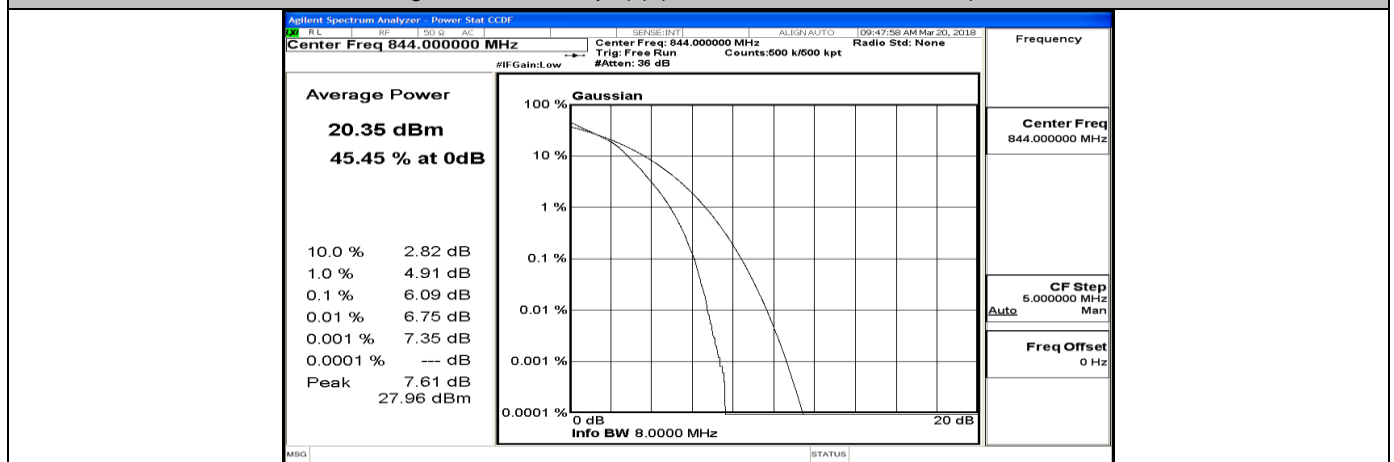
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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



F.3 26dB Bandwidth and Occupied Bandwidth

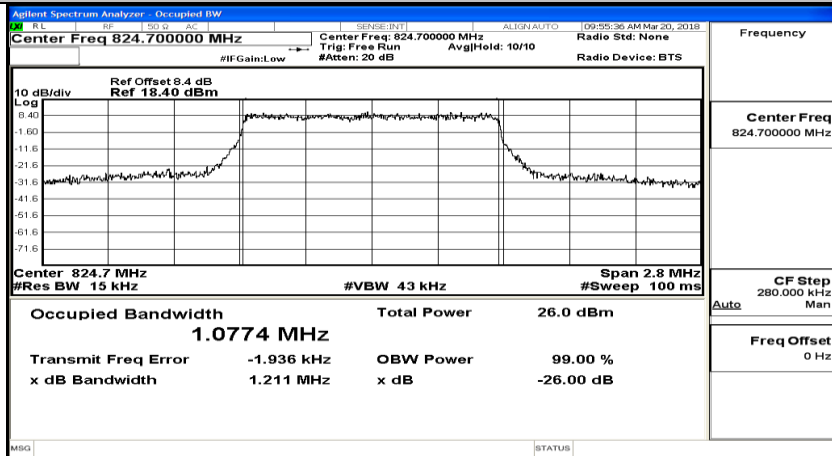
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0774	1.211	PASS
	MCH	1.0748	1.218	PASS
	HCH	1.0795	1.244	PASS
16QAM	LCH	1.0807	1.222	PASS
	MCH	1.0803	1.216	PASS
	HCH	1.0777	1.239	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6814	2.868	PASS
	MCH	2.6805	2.874	PASS
	HCH	2.6841	2.871	PASS
16QAM	LCH	2.6849	2.879	PASS
	MCH	2.6824	2.891	PASS
	HCH	2.6819	2.876	PASS

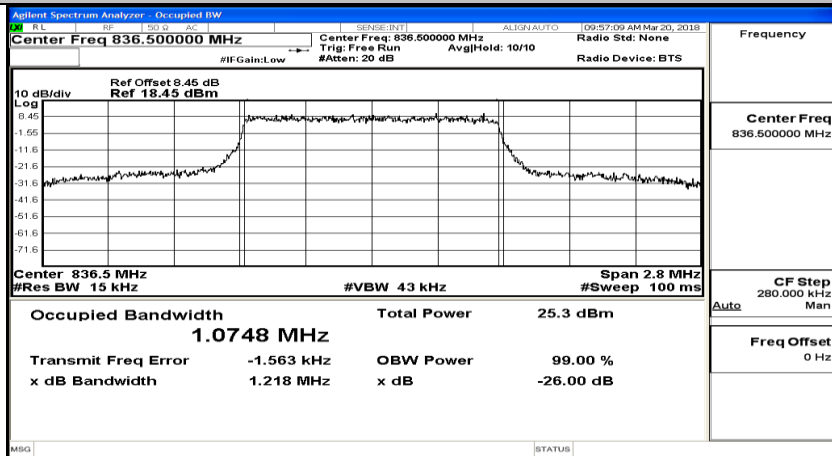
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4839	4.845	PASS
	MCH	4.4869	4.842	PASS
	HCH	4.4806	4.771	PASS
16QAM	LCH	4.4781	4.816	PASS
	MCH	4.4797	4.806	PASS
	HCH	4.4822	4.824	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9482	9.523	PASS
	MCH	8.9516	9.506	PASS
	HCH	8.9302	9.466	PASS
16QAM	LCH	8.9442	9.494	PASS
	MCH	8.9458	9.564	PASS
	HCH	8.9463	9.453	PASS

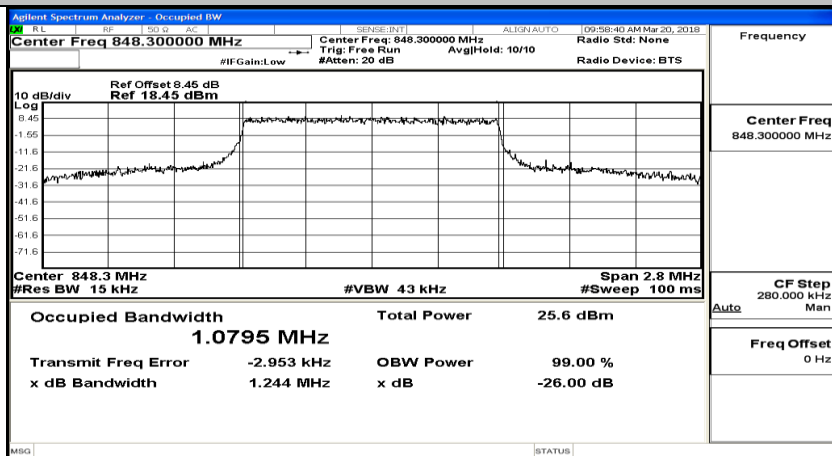
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



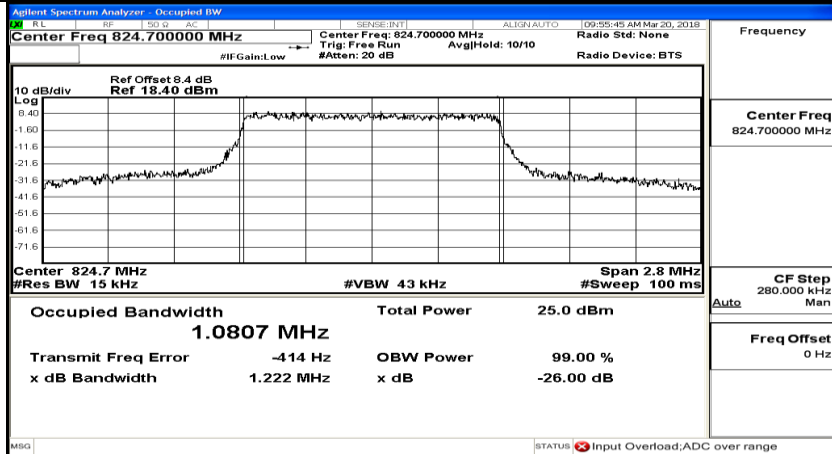
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



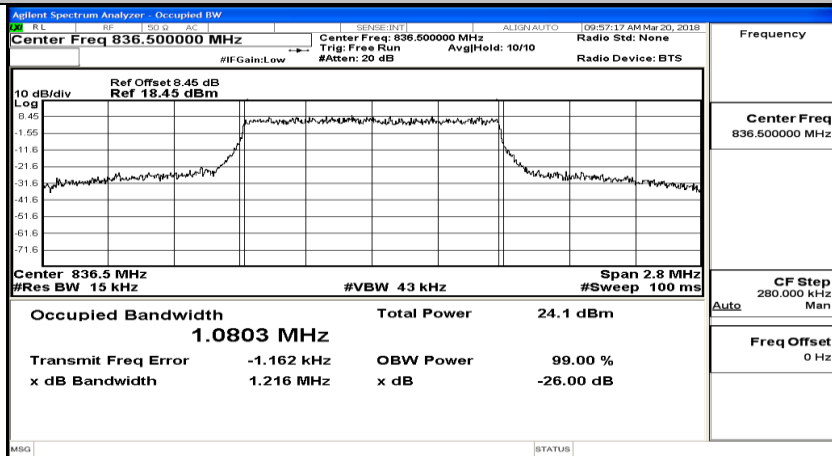
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



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



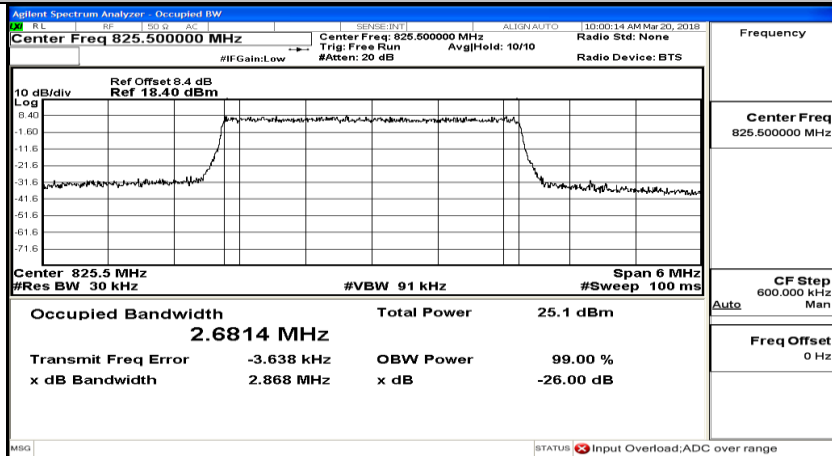
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



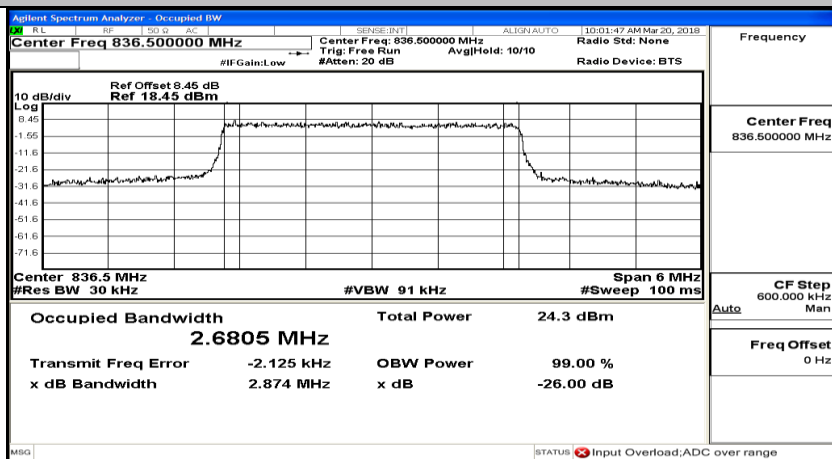
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



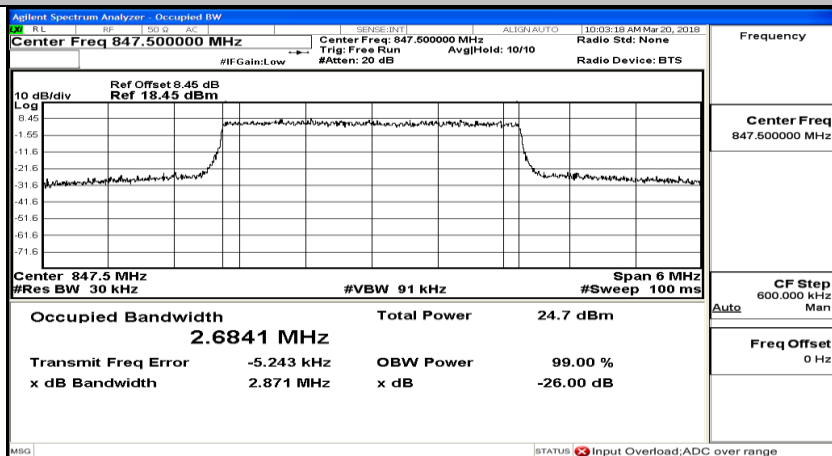
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



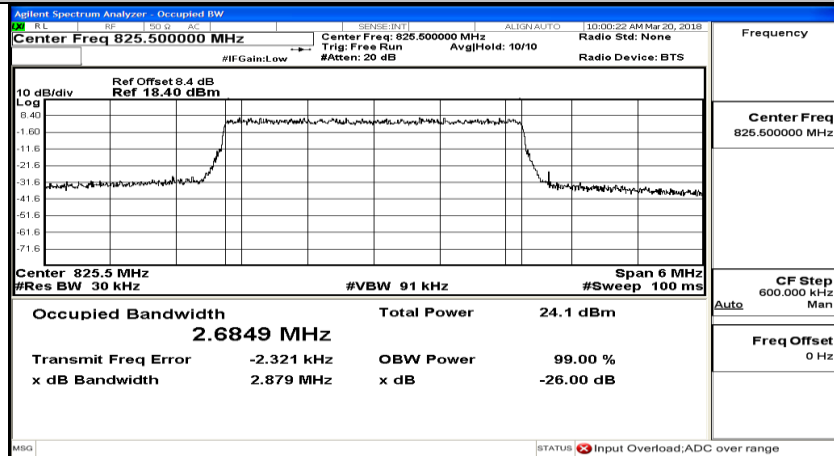
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



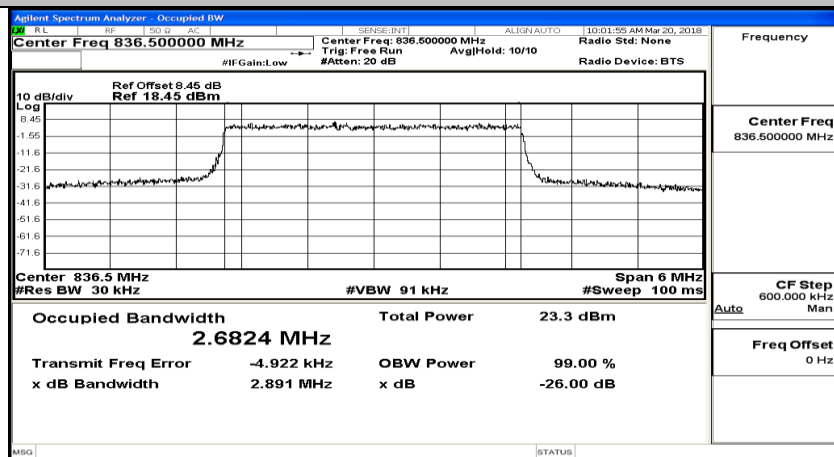
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



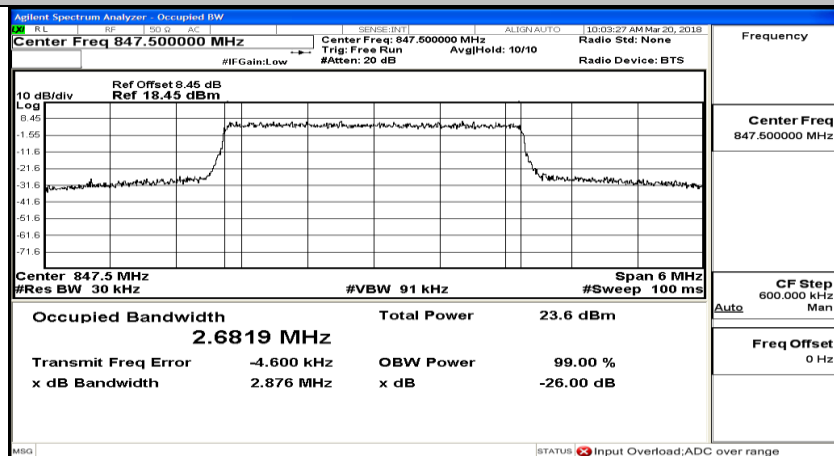
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



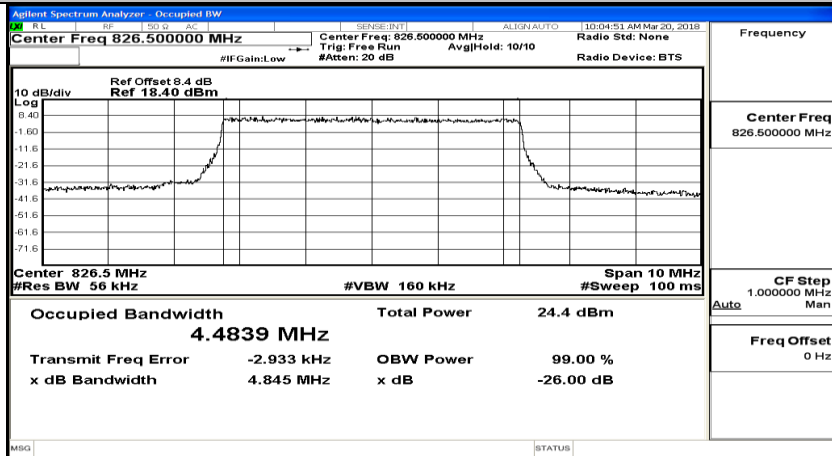
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



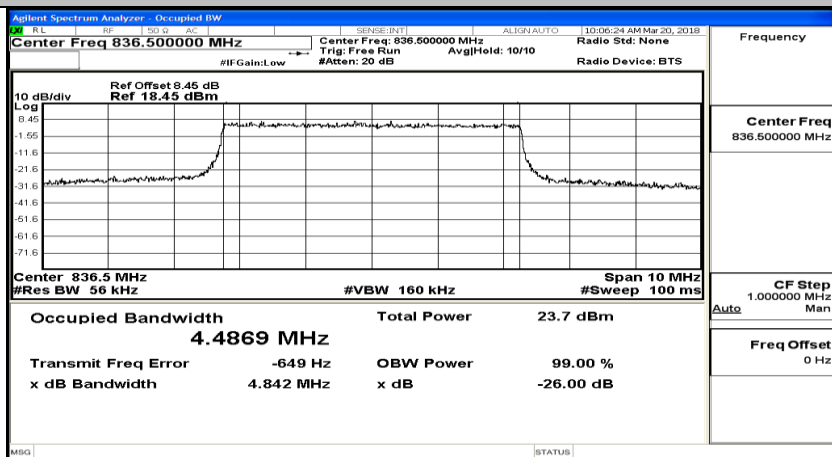
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



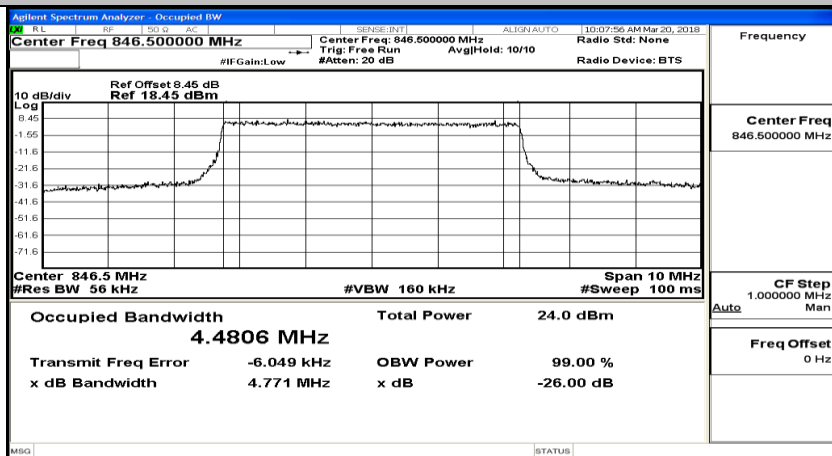
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



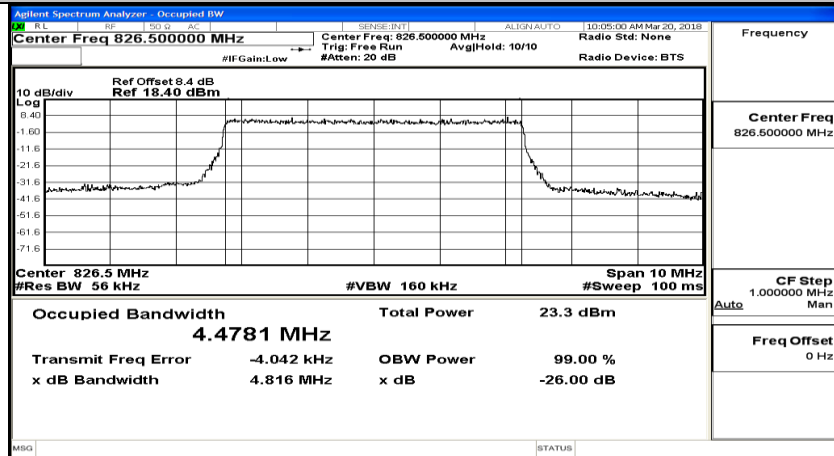
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



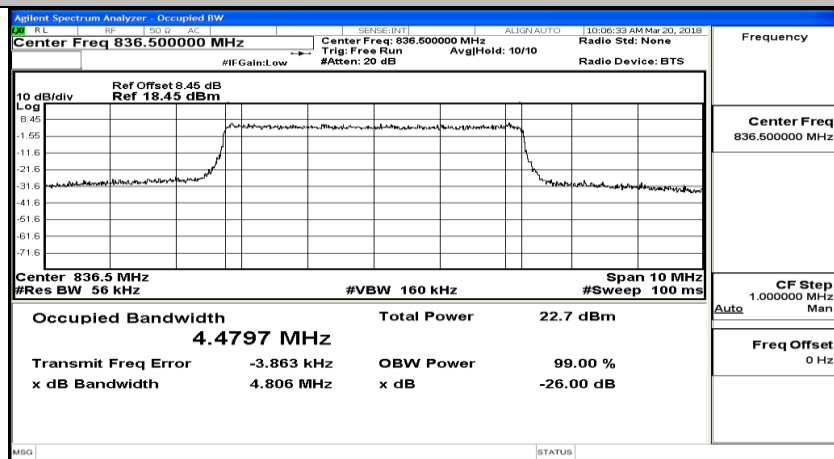
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



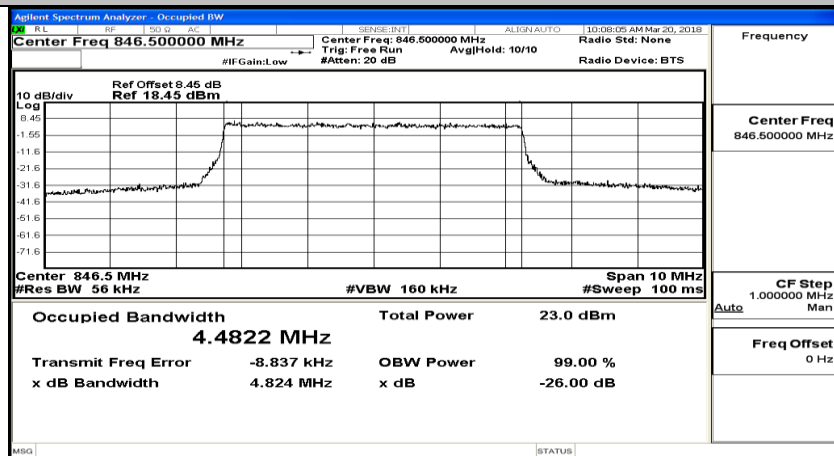
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



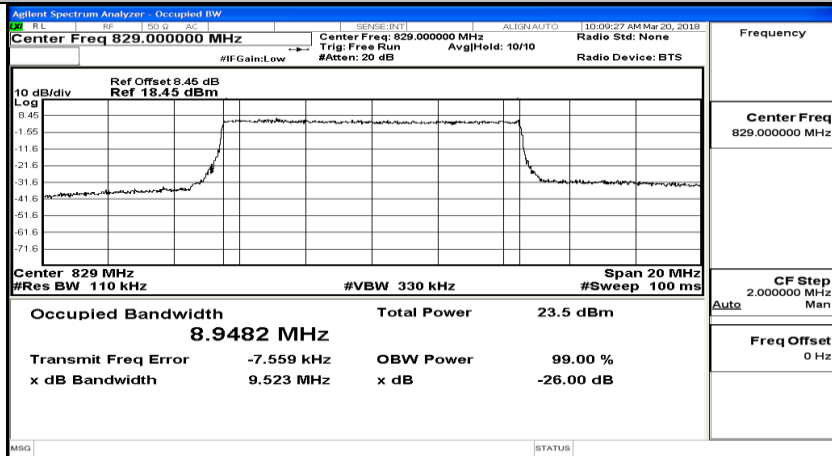
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



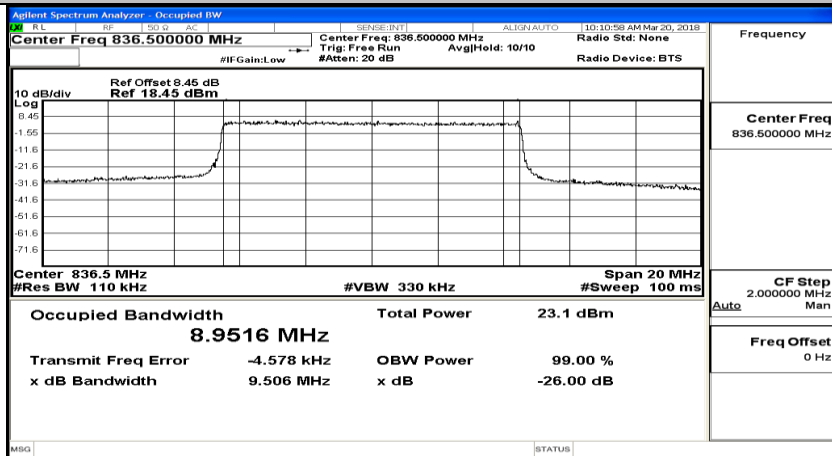
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



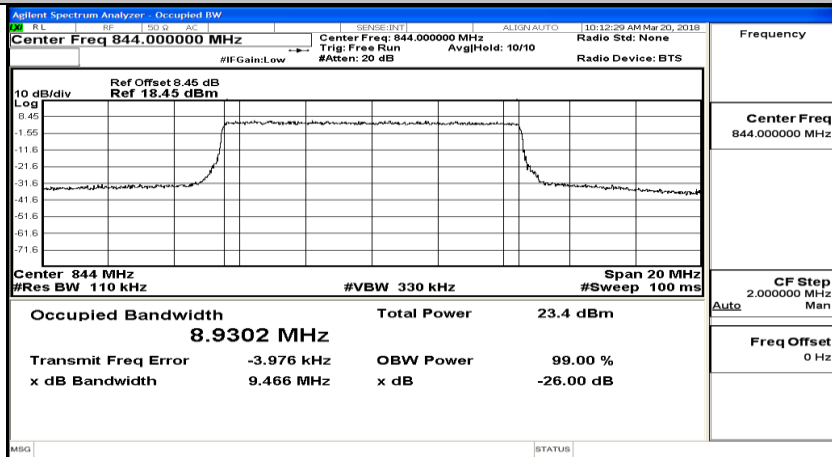
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



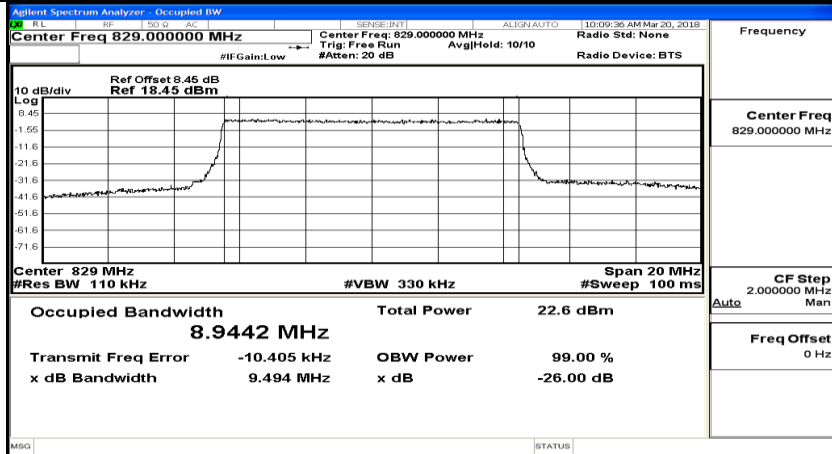
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



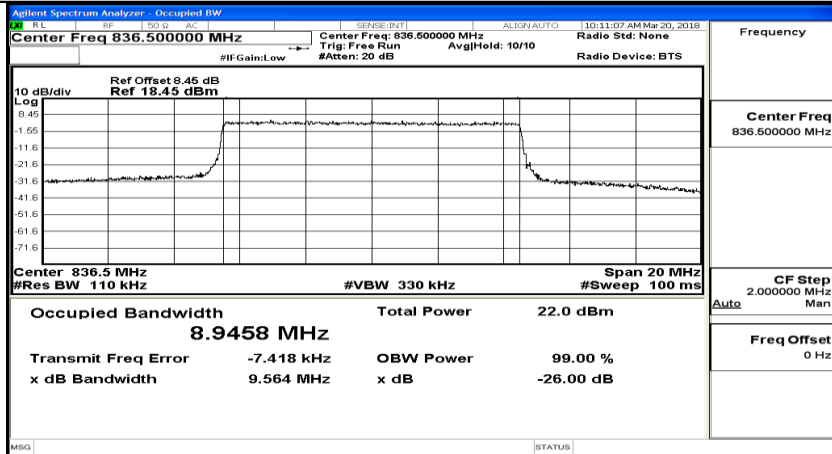
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



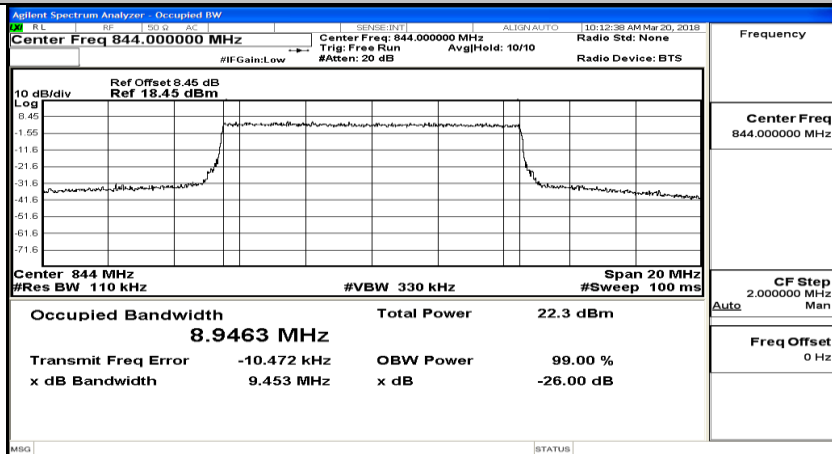
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



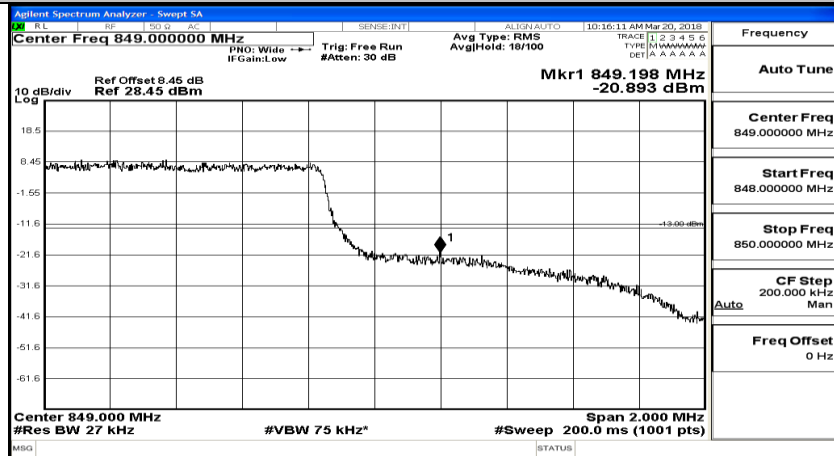
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



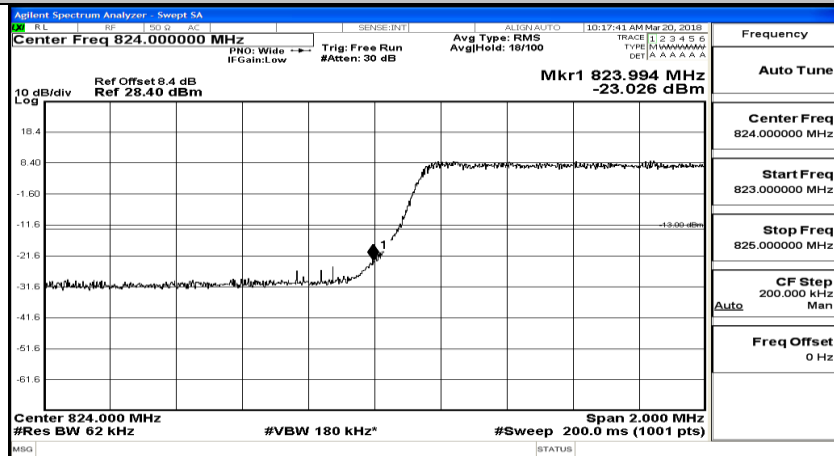
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



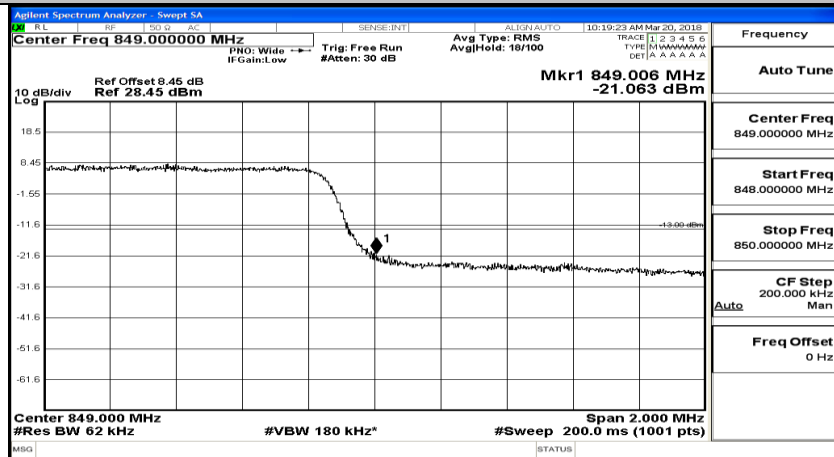
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



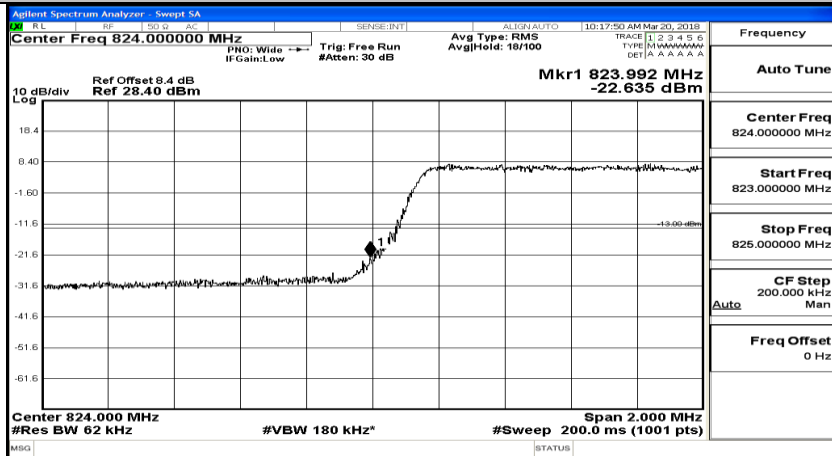
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



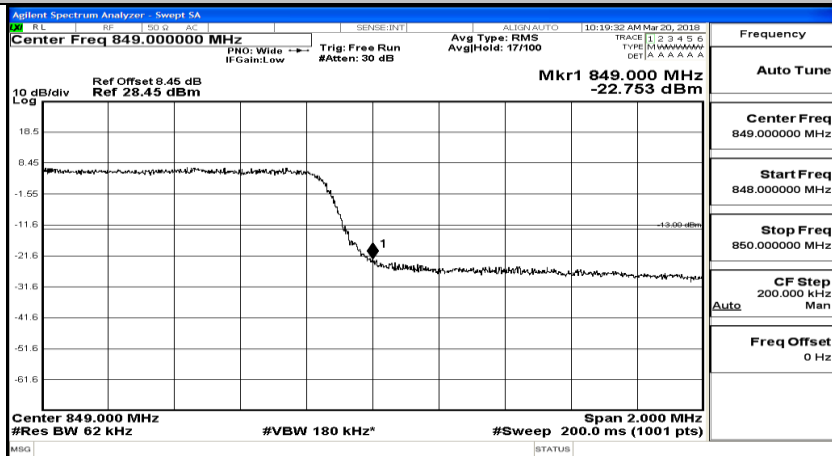
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



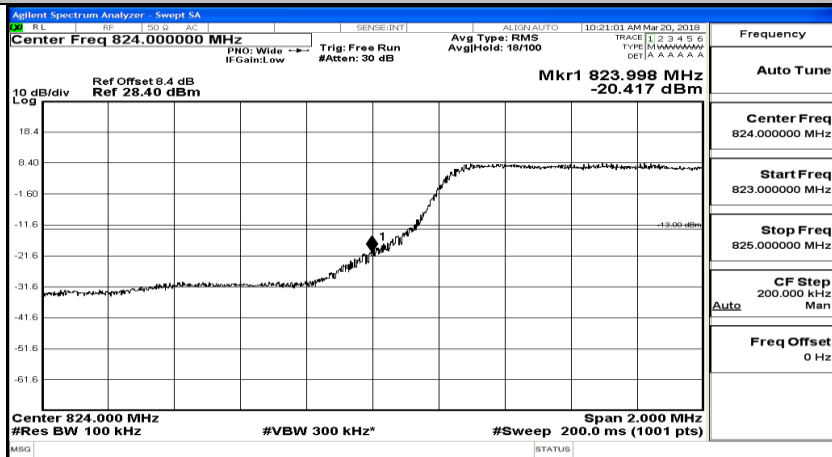
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



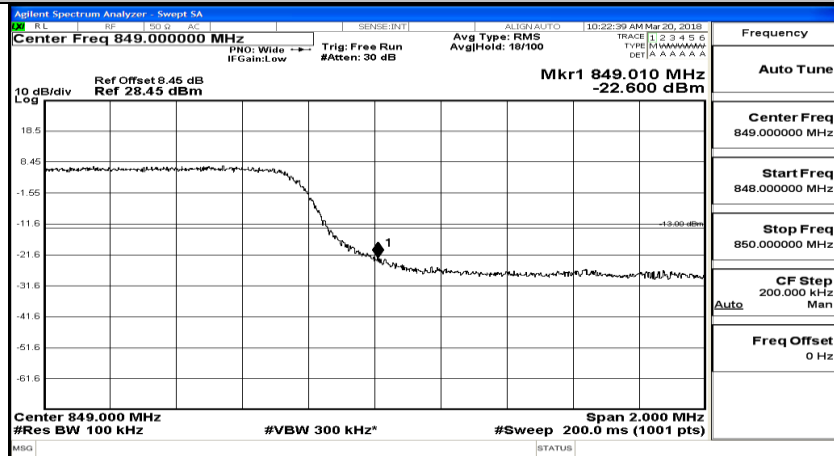
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



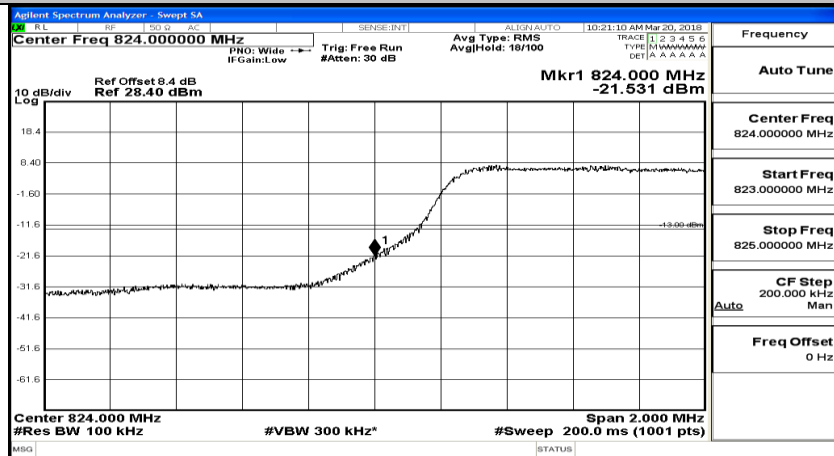
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



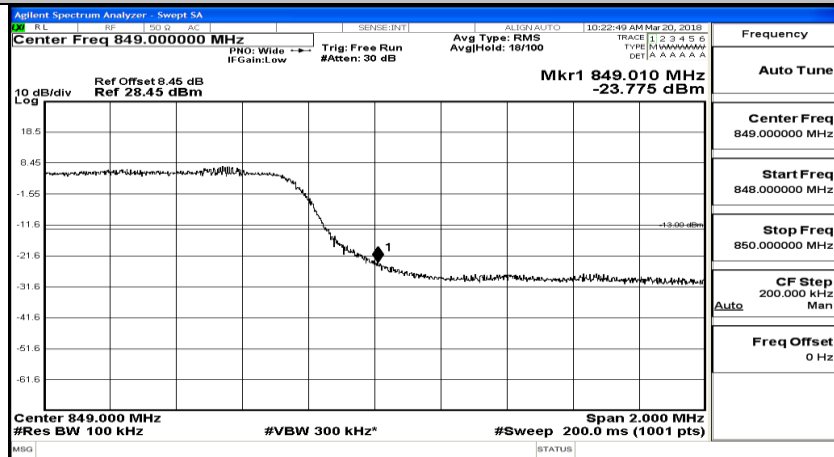
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



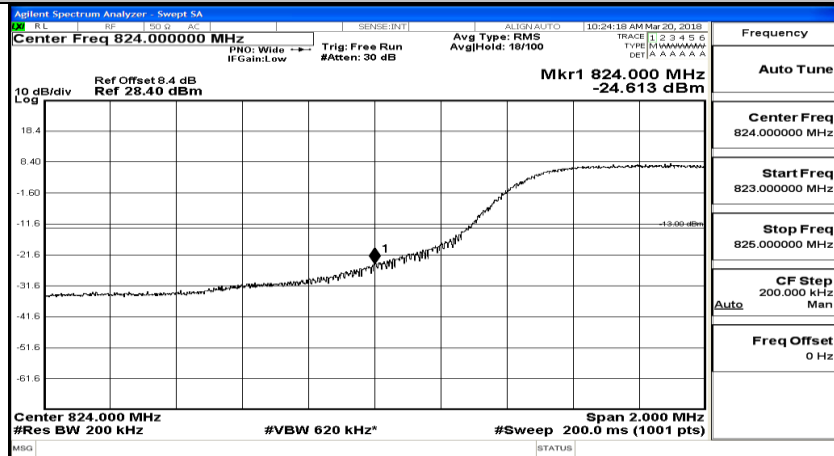
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



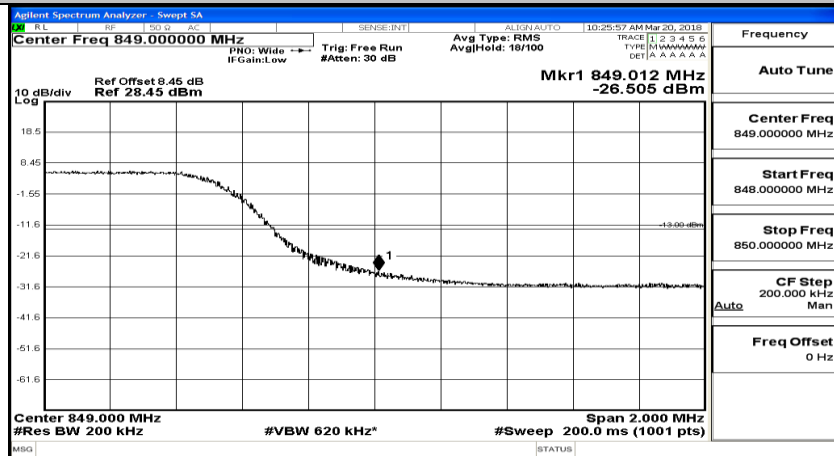
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



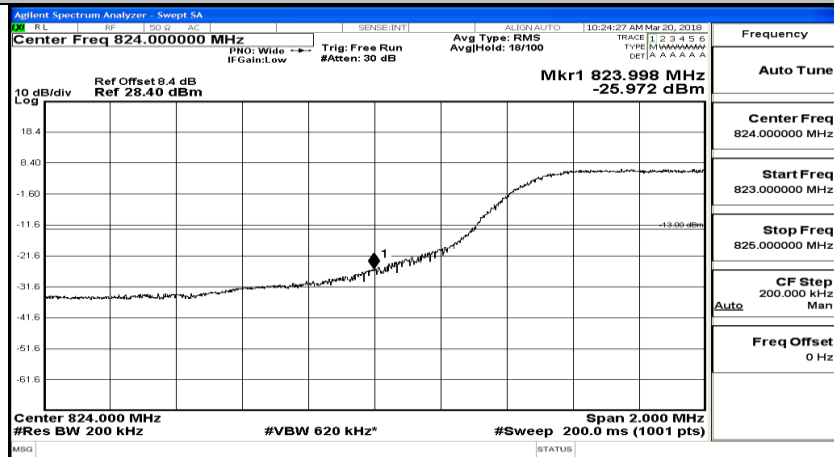
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



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

