Appendix D: Test Data for E-UTRA Band 5

Product Name: Tablet PC

Trade Mark: Acer

Test Model: Acer One 7 4G

Environmental Conditions

Temperature:	23.1 ° C
Relative Humidity:	51.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Wilson Hong
Supervised by:	Jayden Zhuo

D.1 Conducted Output Power

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.06		PASS
		1	3	23.29		PASS
		1	5	22.31		PASS
		3	0	22.42		PASS
		3	2	22.62		PASS
		3	3	22.42		PASS
		6	0	22.50		PASS
	MCH	1	0	22.46		PASS
		1	3	22.54		PASS
		1	5	22.52		PASS
		3	0	22.65		PASS
		3	2	22.35		PASS
		3	3	22.65		PASS
		6	0	22.74		PASS
	HCH	1	0	22.89		PASS
		1	3	22.37		PASS
		1	5	22.10		PASS
		3	0	22.57		PASS
		3	2	22.08		PASS
		3	3	22.57		PASS
		6	0	22.63		PASS
16QAM	LCH	1	0	22.07		PASS
		1	3	21.45		PASS
		1	5	22.12		PASS
		3	0	21.96		PASS
		3	2	21.29		PASS
		3	3	21.26		PASS
		6	0	22.00		PASS
	MCH	1	0	22.17		PASS
		1	3	21.52		PASS
		1	5	21.66		PASS
		3	0	22.12		PASS
		3	2	22.07		PASS
		3	3	21.45		PASS
		6	0	21.83		PASS
	HCH	1	0	21.50		PASS
		1	3	21.89		PASS
		1	5	21.63		PASS
		3	0	21.59		PASS
		3	2	21.56		PASS

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.

		3	3	21.45		PASS
		6	0	20.97		PASS

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.55		PASS
		1	7	22.55		PASS
		1	14	21.93		PASS
		8	0	22.77		PASS
		8	4	22.45		PASS
		8	7	22.24		PASS
		15	0	22.42		PASS
	MCH	1	0	22.65		PASS
		1	7	22.04		PASS
		1	14	22.07		PASS
		8	0	22.17		PASS
		8	4	22.35		PASS
		8	7	22.16		PASS
		15	0	22.85		PASS
	HCH	1	0	21.94		PASS
		1	7	22.77		PASS
		1	14	22.70		PASS
		8	0	22.82		PASS
		8	4	22.32		PASS
		8	7	22.04		PASS
		15	0	22.12		PASS
16QAM	LCH	1	0	21.65		PASS
		1	7	21.24		PASS
		1	14	21.48		PASS
		8	0	20.92		PASS
		8	4	21.67		PASS
		8	7	21.75		PASS
		15	0	21.85		PASS
	MCH	1	0	21.67		PASS
		1	7	21.56		PASS
		1	14	21.52		PASS
		8	0	21.25		PASS
		8	4	21.03		PASS
		8	7	21.43		PASS
		15	0	21.57		PASS
	HCH	1	0	21.77		PASS
		1	7	21.06		PASS

		1	14	20.95		PASS
		8	0	21.57		PASS
		8	4	21.41		PASS
		8	7	20.74		PASS
		15	0	21.02		PASS

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.20		PASS
		1	12	21.84		PASS
		1	24	21.70		PASS
		12	0	22.30		PASS
		12	6	21.79		PASS
		12	13	22.25		PASS
		25	0	22.22		PASS
	MCH	1	0	22.37		PASS
		1	12	21.88		PASS
		1	24	21.61		PASS
		12	0	21.74		PASS
		12	6	21.53		PASS
		12	13	22.11		PASS
		25	0	22.25		PASS
	HCH	1	0	21.73		PASS
		1	12	21.86		PASS
		1	24	22.22		PASS
		12	0	22.34		PASS
		12	6	21.88		PASS
		12	13	21.58		PASS
		25	0	21.32		PASS
16QAM	LCH	1	0	20.73		PASS
		1	12	20.70		PASS
		1	24	20.60		PASS
		12	0	20.66		PASS
		12	6	20.98		PASS
		12	13	21.30		PASS
		25	0	21.07		PASS
	MCH	1	0	21.72		PASS
		1	12	21.78		PASS
		1	24	21.87		PASS
		12	0	21.73		PASS
		12	6	21.77		PASS
		12	13	21.64		PASS

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.

		25	0	21.94		PASS
	HCH	1	0	20.73		PASS
		1	12	21.35		PASS
		1	24	20.63		PASS
		12	0	20.83		PASS
		12	6	21.04		PASS
		12	13	20.60		PASS
		25	0	20.73		PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.40		PASS
		1	24	21.72		PASS
		1	49	21.94		PASS
		25	0	21.70		PASS
		25	12	21.62		PASS
		25	25	21.79		PASS
		50	0	21.99		PASS
	MCH	1	0	21.74		PASS
		1	24	22.10		PASS
		1	49	22.04		PASS
		25	0	**22.22**		PASS
		25	12	21.72		PASS
		25	25	21.84		PASS
		50	0	21.90		PASS
	HCH	1	0	**22.50**		PASS
		1	24	22.45		PASS
		1	49	22.39		PASS
		25	0	21.56		PASS
		25	12	22.14		PASS
		25	25	21.37		PASS
		50	0	21.16		PASS
16QAM	LCH	1	0	21.13		PASS
		1	24	20.87		PASS
		1	49	20.95		PASS
		25	0	21.35		PASS
		25	12	20.68		PASS
		25	25	21.19		PASS
		50	0	21.03		PASS
	MCH	1	0	20.98		PASS
		1	24	21.17		PASS
		1	49	21.38		PASS
		25	0	21.26		PASS

		25	12	21.05		PASS
		25	25	21.05		PASS
		50	0	21.15		PASS
	HCH	1	0	21.16		PASS
		1	24	20.66		PASS
		1	49	20.65		PASS
		25	0	20.54		PASS
		25	12	20.99		PASS
		25	25	20.51		PASS
		50	0	20.26		PASS

D.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	5.31	<13	PASS
	MCH	5.21	<13	PASS
	HCH	5.67	<13	PASS
16QAM	LCH	6.14	<13	PASS
	MCH	6.10	<13	PASS
	HCH	6.48	<13	PASS

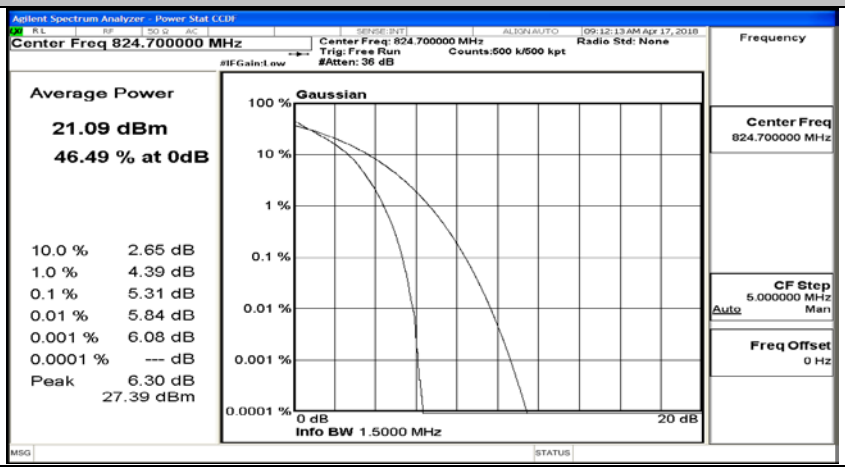
Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.42	<13	PASS
	MCH	5.34	<13	PASS
	HCH	5.84	<13	PASS
16QAM	LCH	6.25	<13	PASS
	MCH	6.25	<13	PASS
	HCH	6.57	<13	PASS

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	5.39	<13	PASS
	HCH	5.81	<13	PASS
16QAM	LCH	6.29	<13	PASS
	MCH	6.17	<13	PASS
	HCH	6.59	<13	PASS

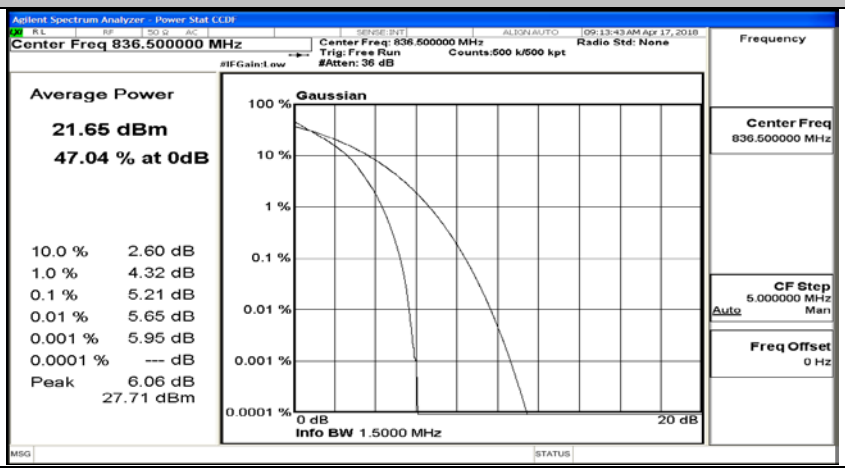
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.43	<13	PASS
	MCH	5.51	<13	PASS
	HCH	5.70	<13	PASS
16QAM	LCH	6.23	<13	PASS
	MCH	6.19	<13	PASS
	HCH	6.46	<13	PASS

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd.

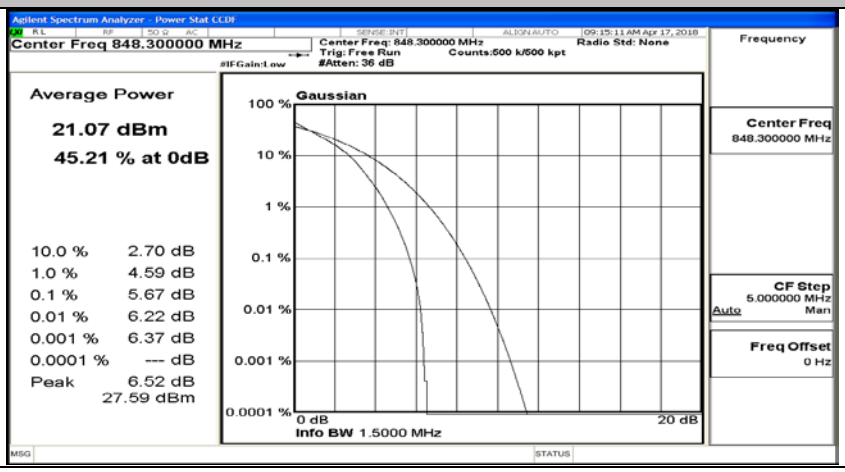
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



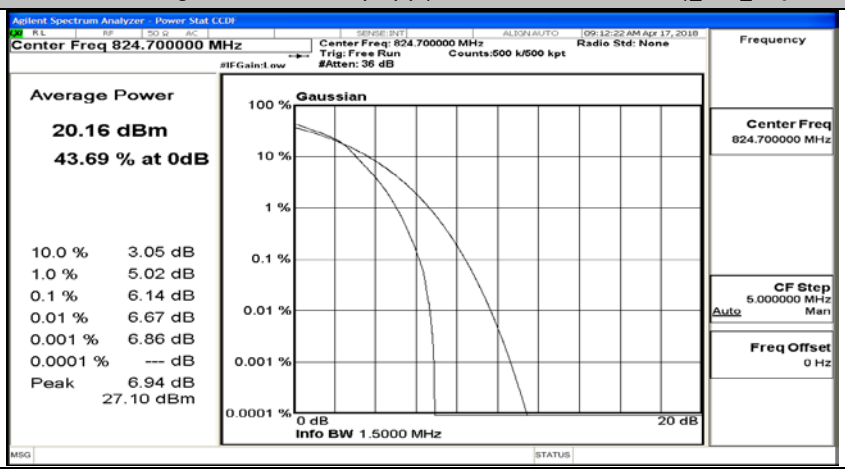
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



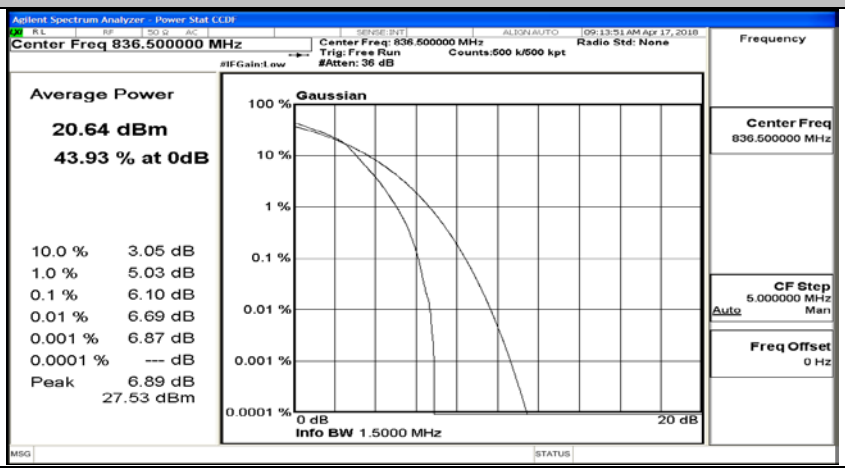
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



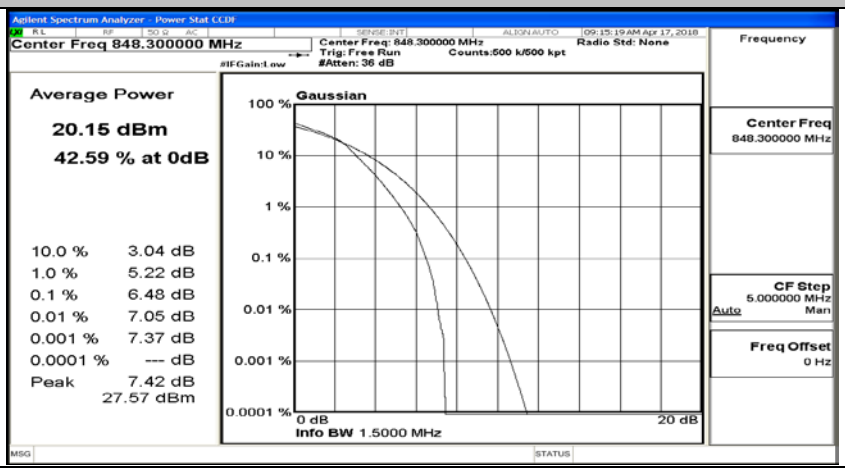
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



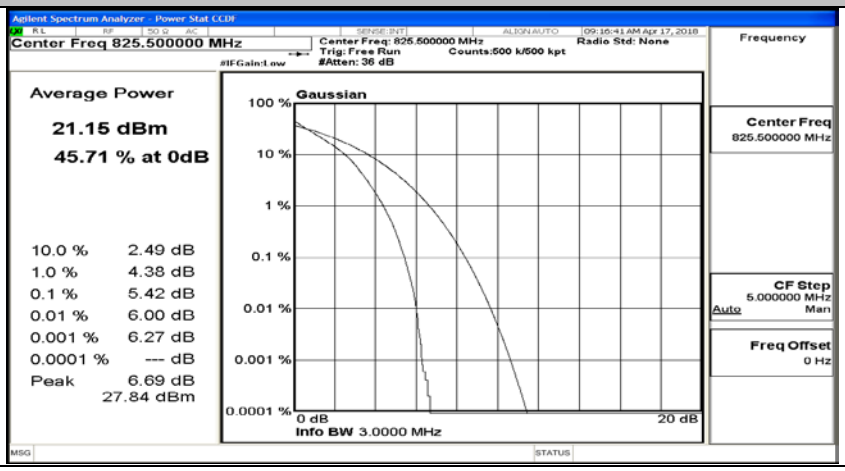
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



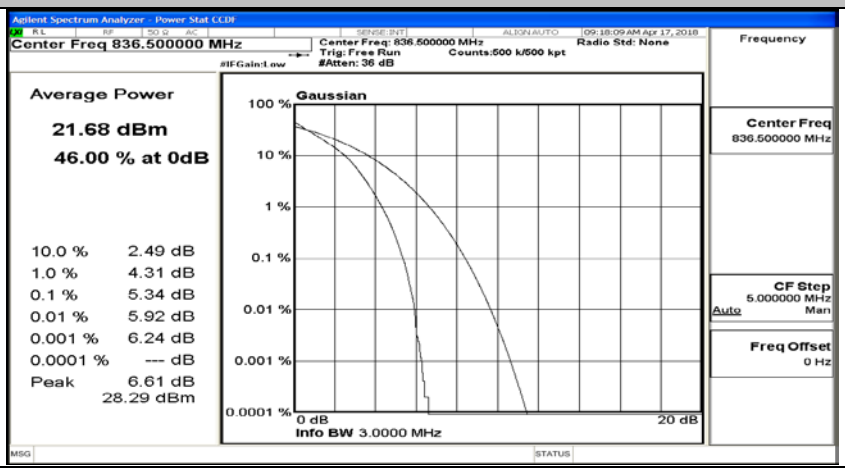
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



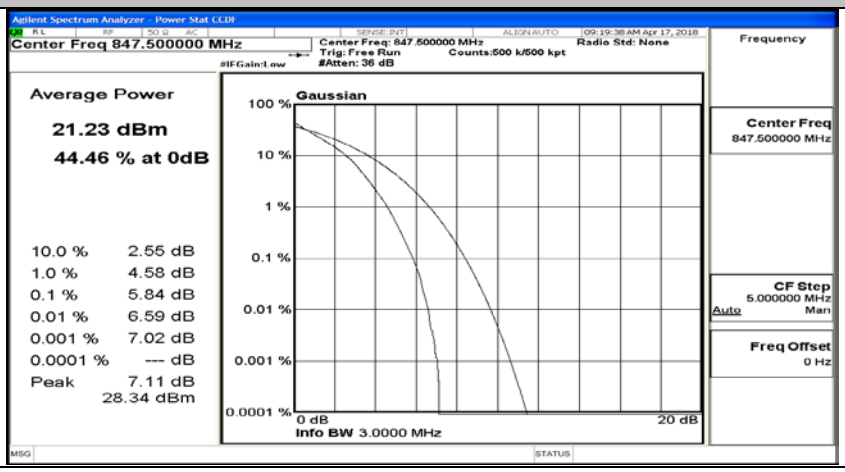
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



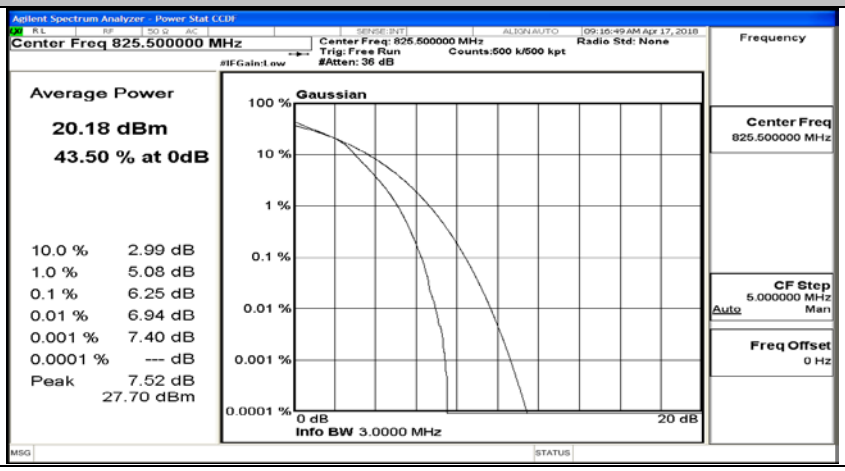
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



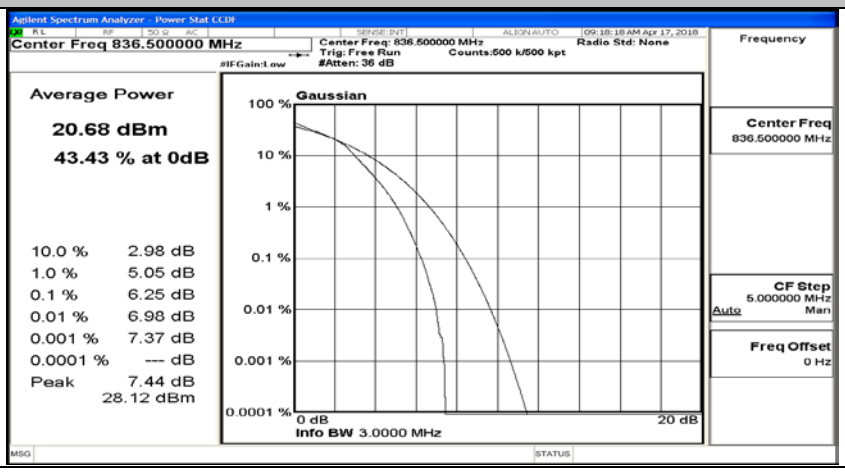
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



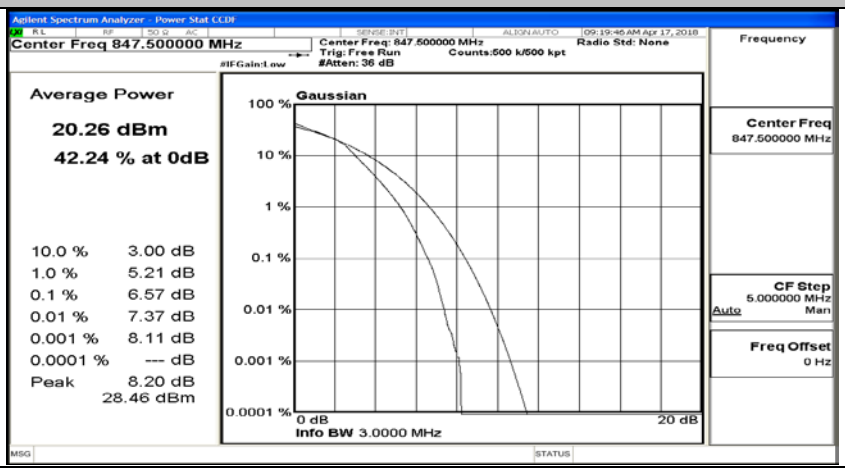
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



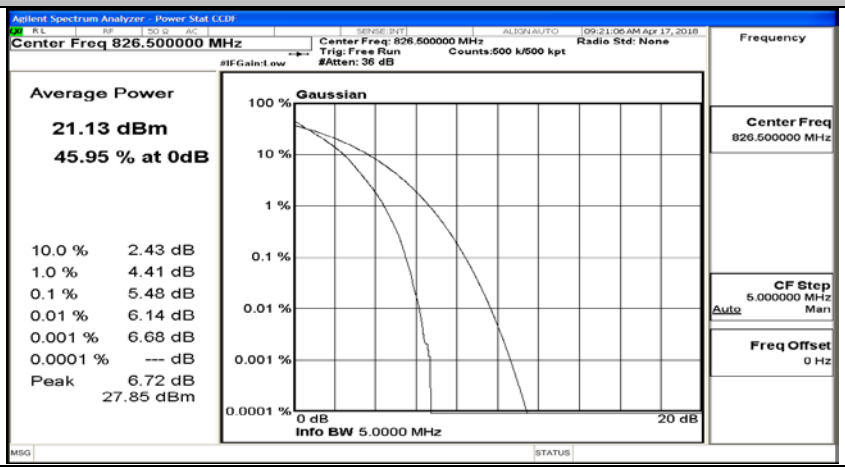
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



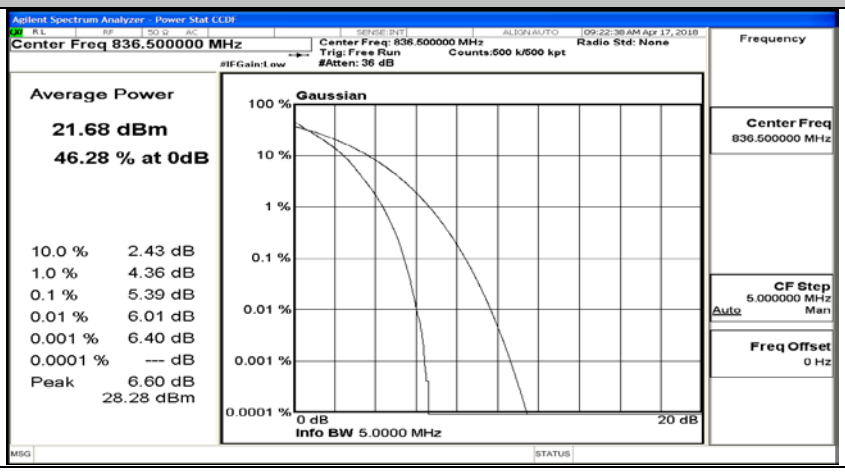
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



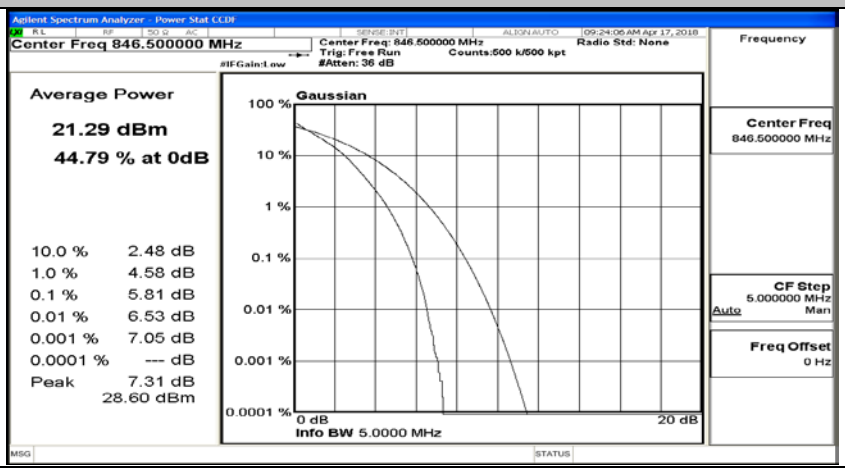
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



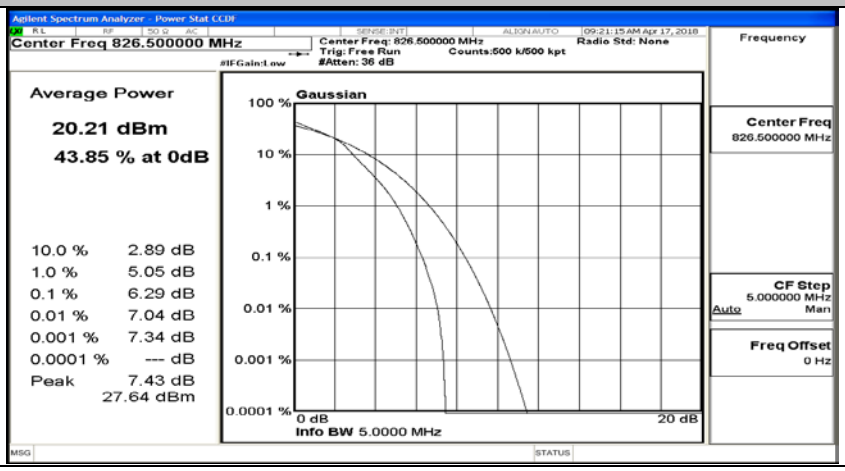
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



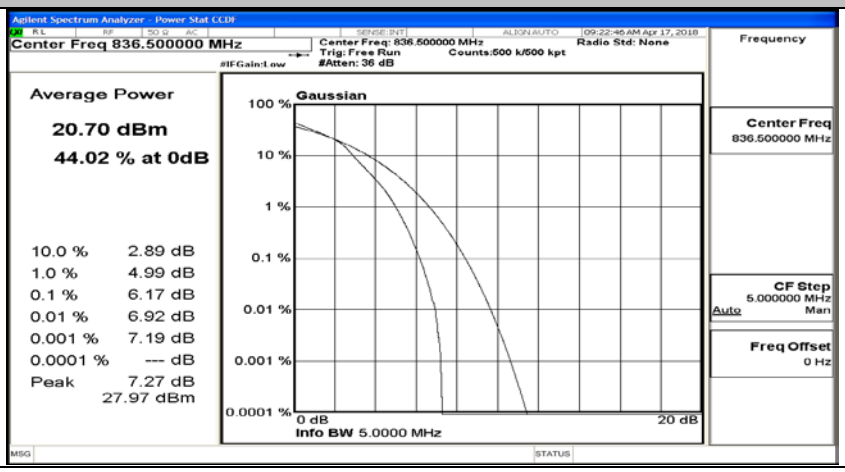
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



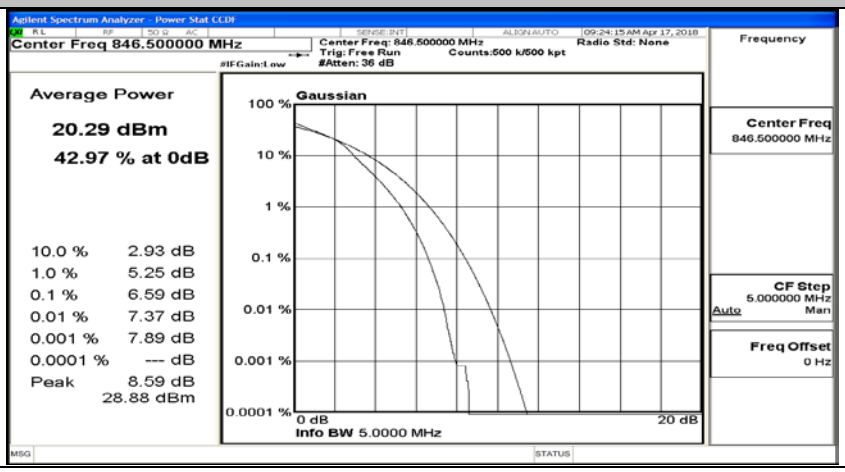
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



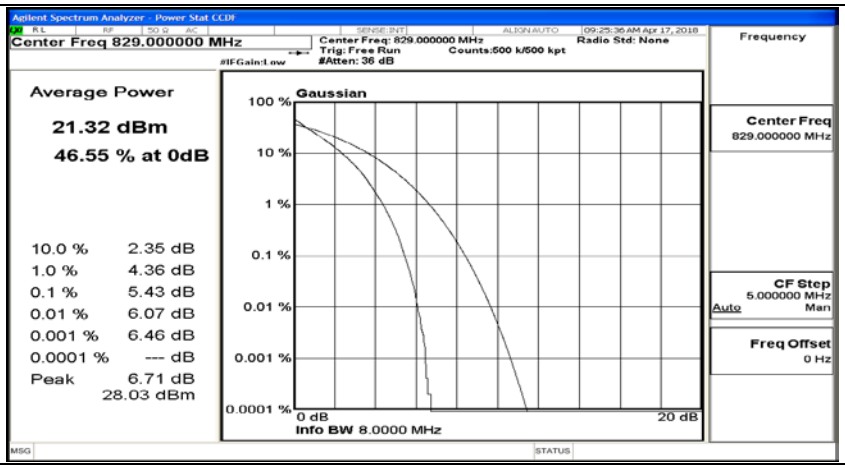
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



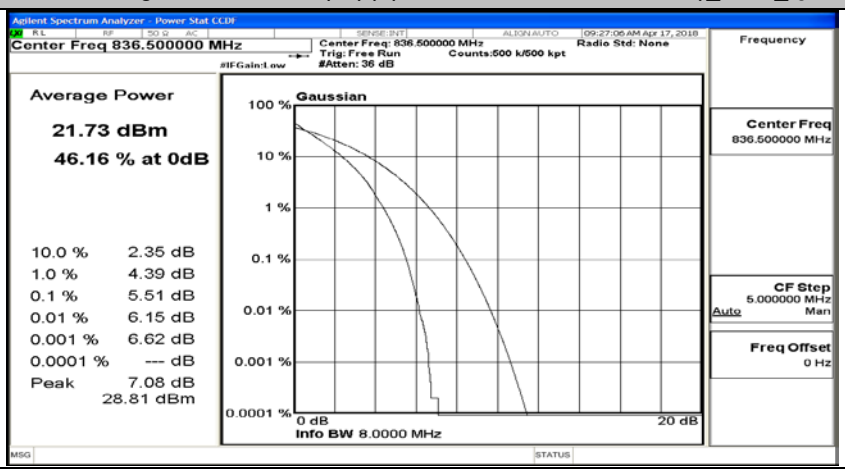
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



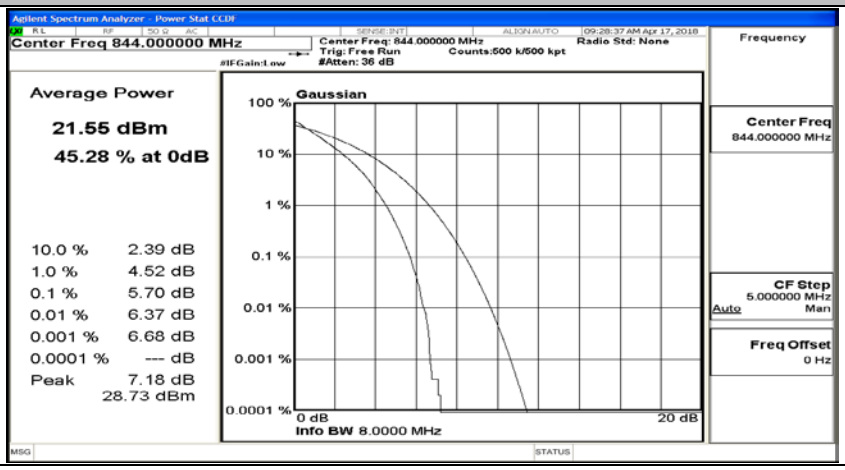
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



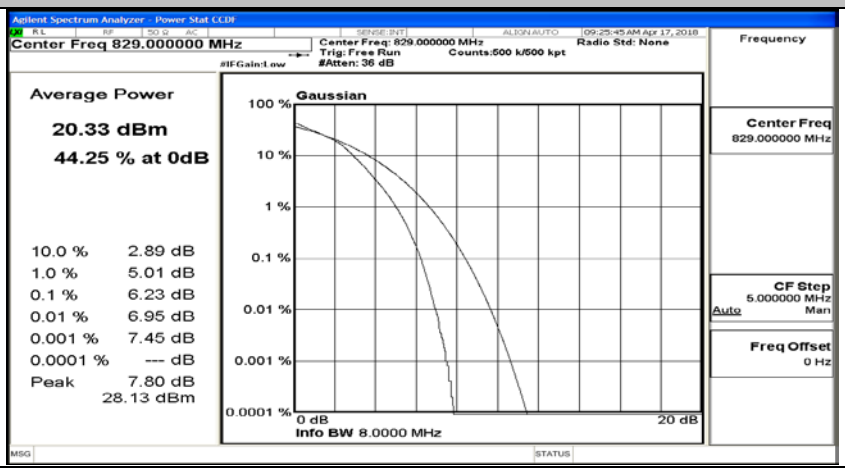
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



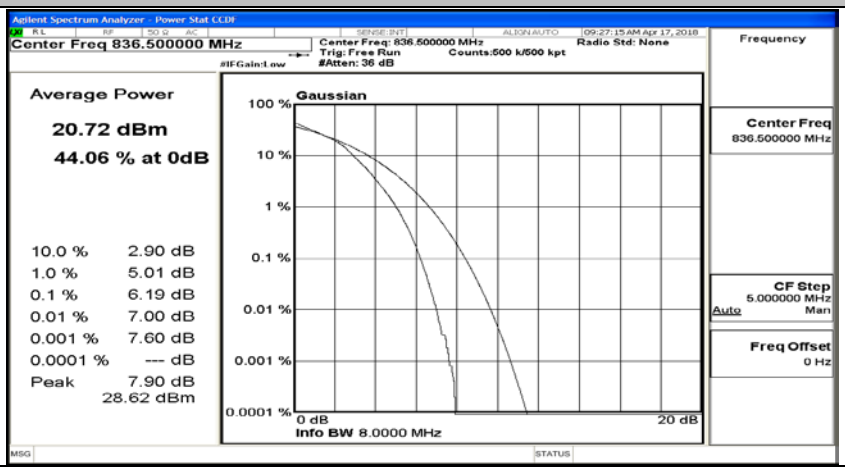
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



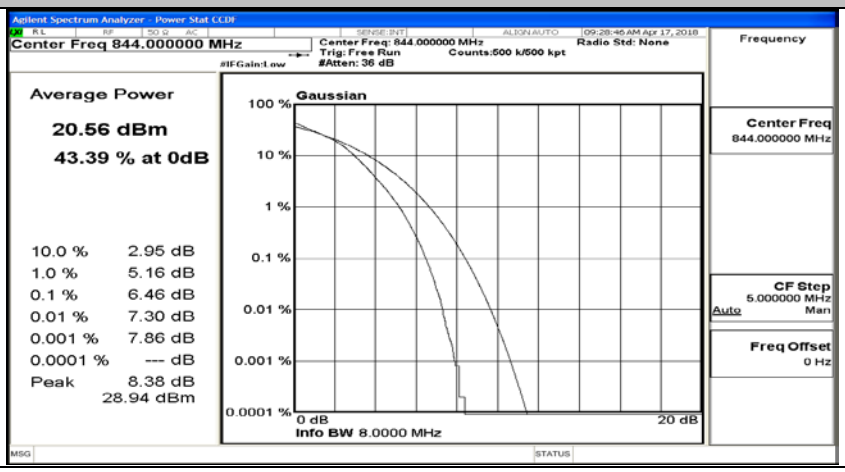
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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



D.3 26dB Bandwidth and Occupied Bandwidth

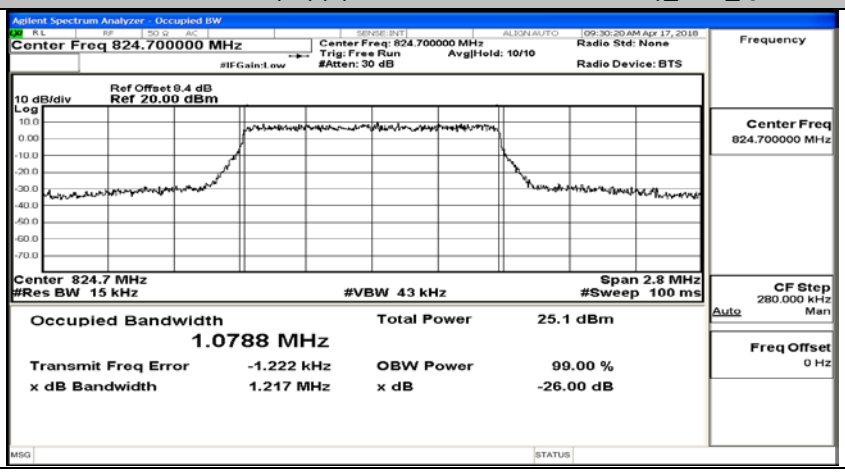
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0788	1.217	PASS
	MCH	1.0753	1.235	PASS
	HCH	1.0788	1.228	PASS
16QAM	LCH	1.0808	1.218	PASS
	MCH	1.0806	1.226	PASS
	HCH	1.0788	1.226	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6870	2.878	PASS
	MCH	2.6854	2.864	PASS
	HCH	2.6824	2.871	PASS
16QAM	LCH	2.6858	2.861	PASS
	MCH	2.6808	2.860	PASS
	HCH	2.6890	2.885	PASS

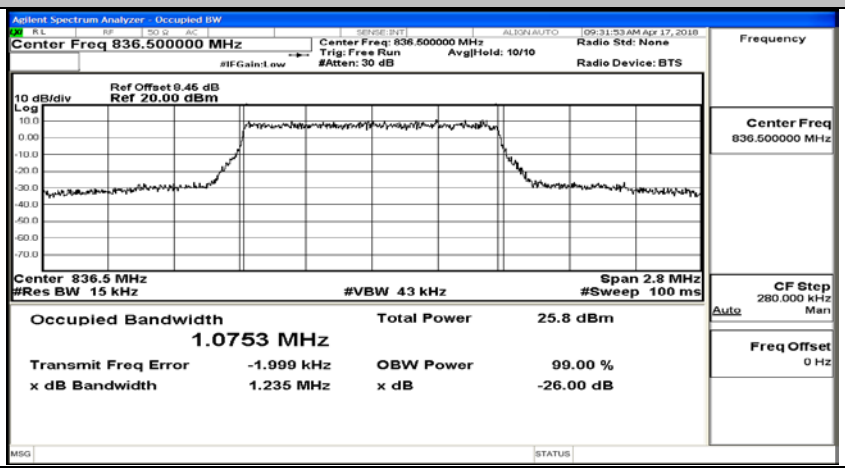
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4849	4.788	PASS
	MCH	4.4845	4.844	PASS
	HCH	4.4797	4.853	PASS
16QAM	LCH	4.4842	4.849	PASS
	MCH	4.4796	4.832	PASS
	HCH	4.4867	4.826	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9321	9.413	PASS
	MCH	8.9524	9.506	PASS
	HCH	8.9391	9.431	PASS
16QAM	LCH	8.9293	9.488	PASS
	MCH	8.9401	9.462	PASS
	HCH	8.9407	9.419	PASS

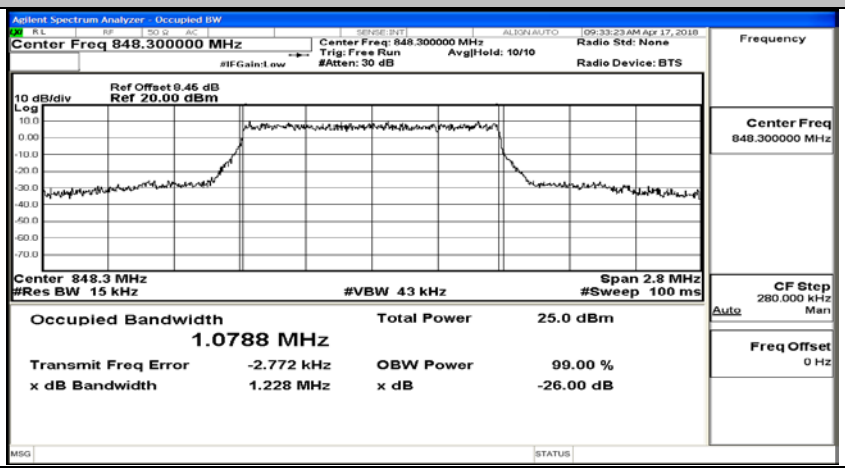
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



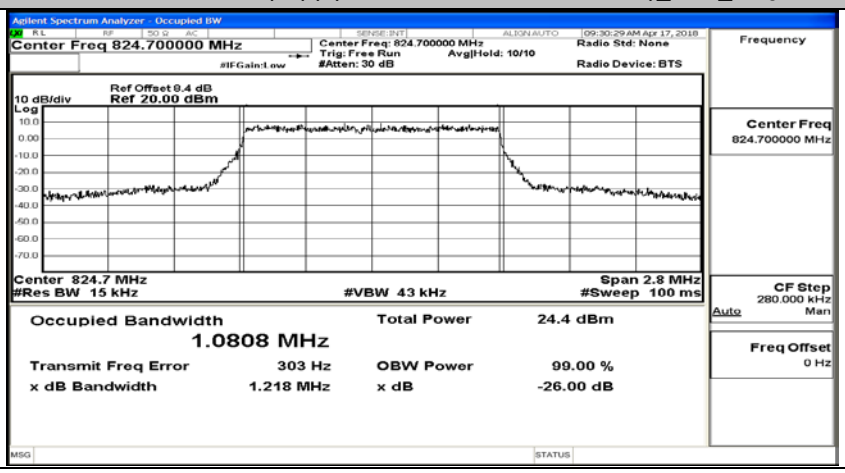
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



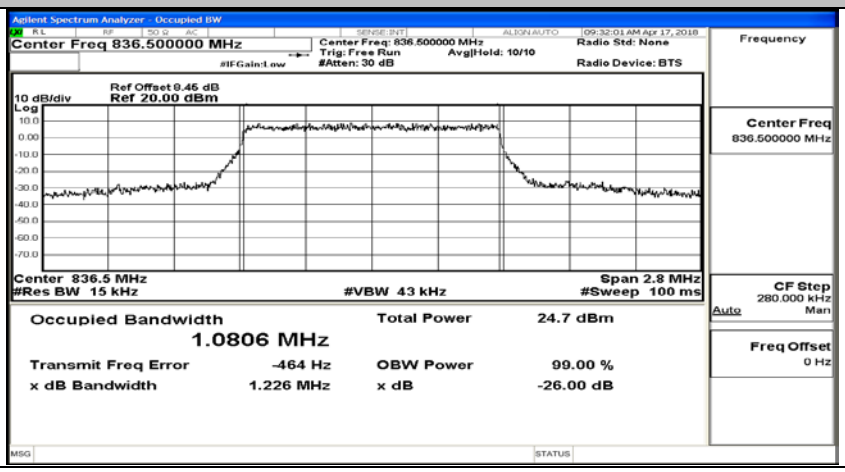
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



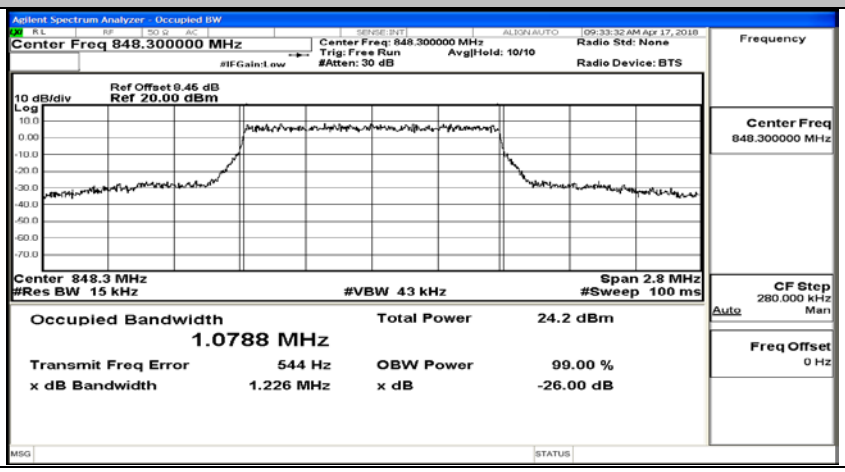
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



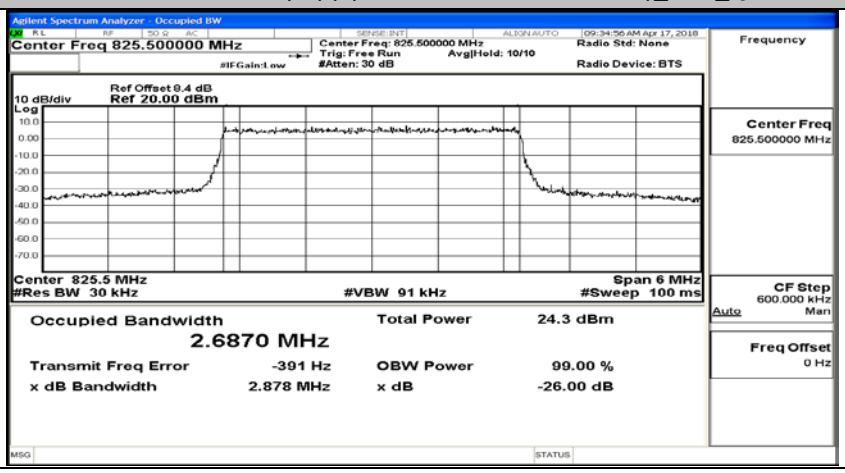
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



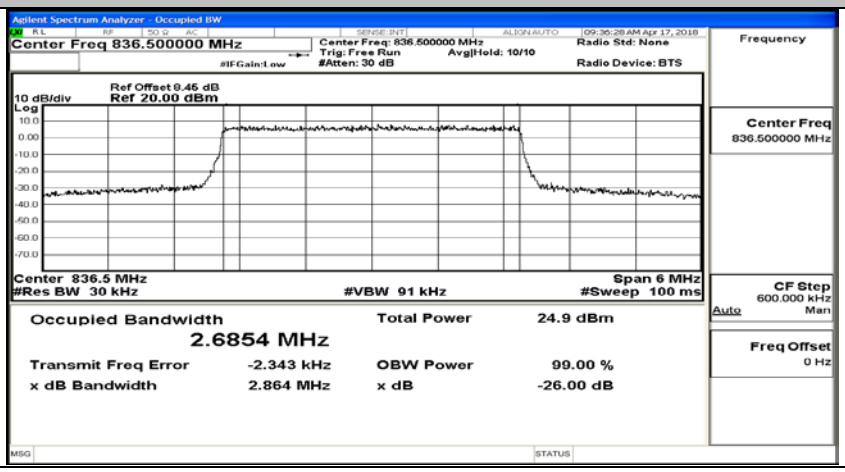
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



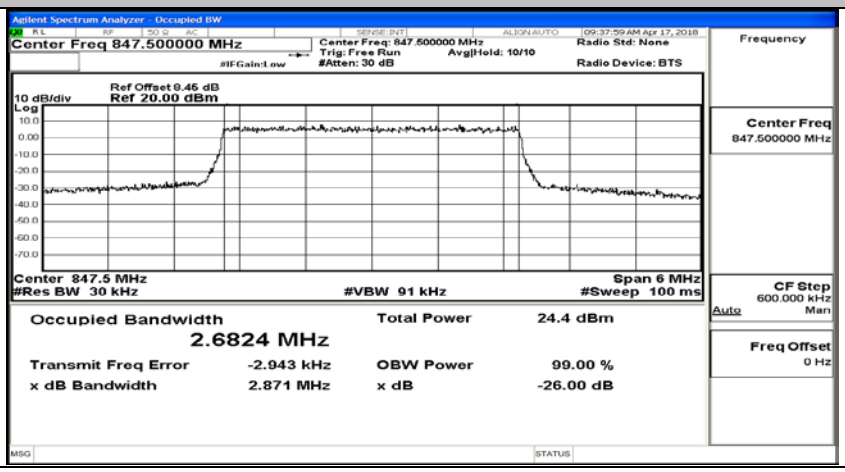
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



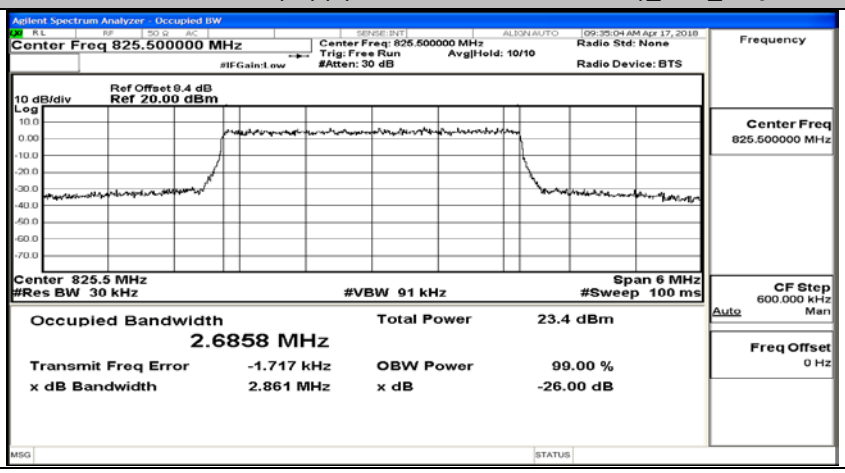
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



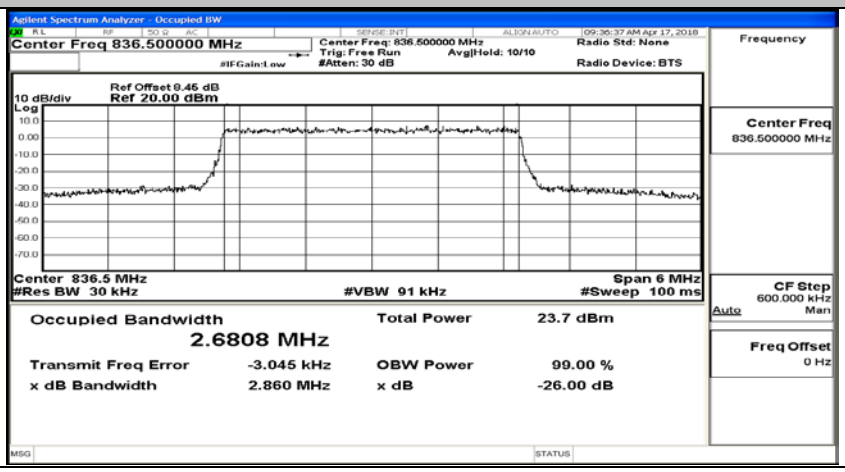
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



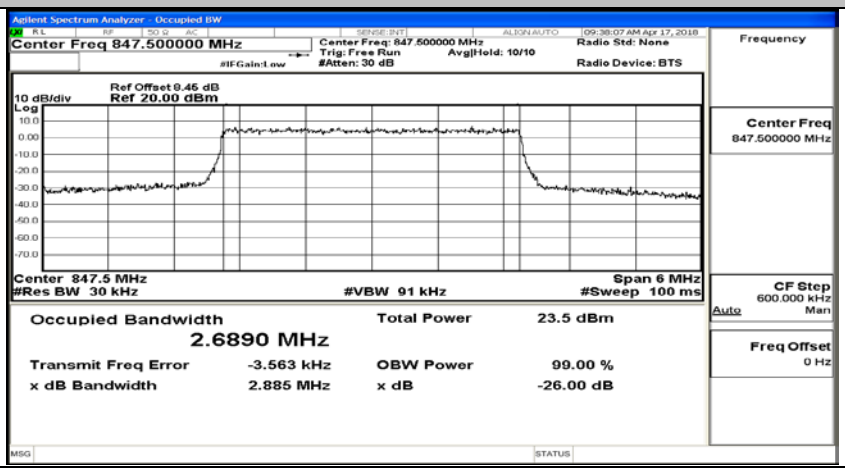
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



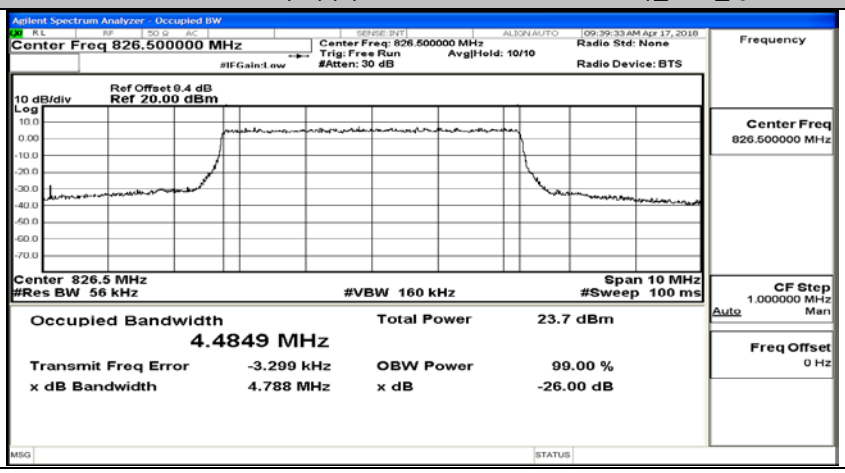
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



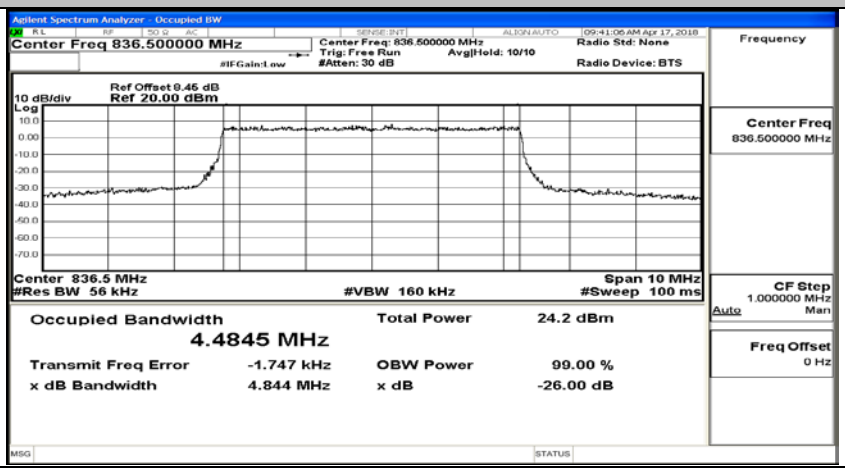
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



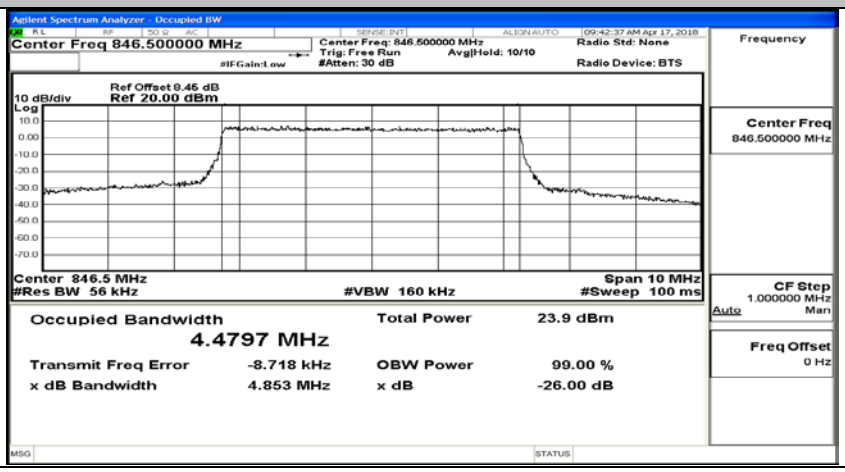
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



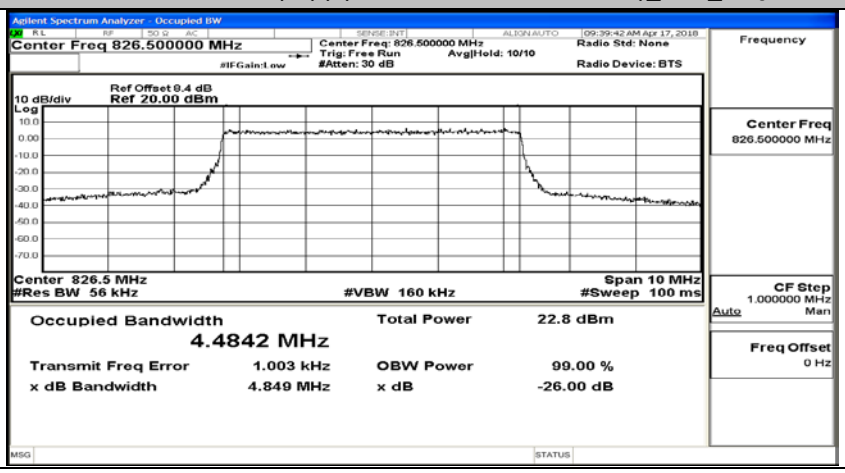
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



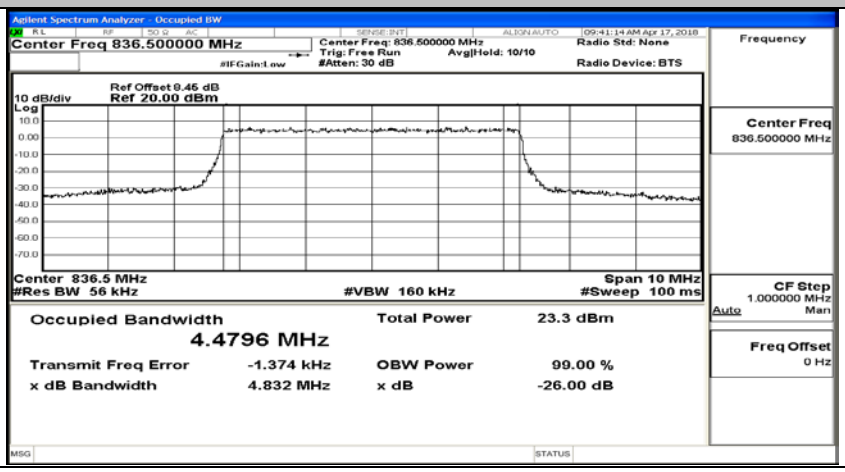
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



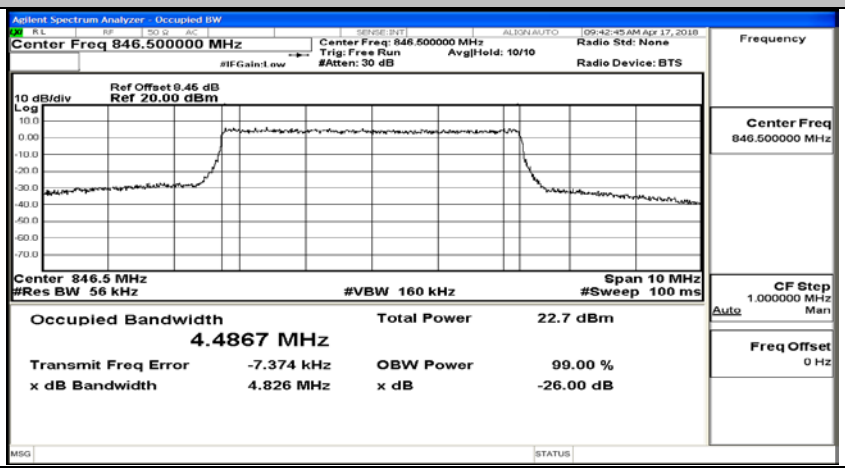
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



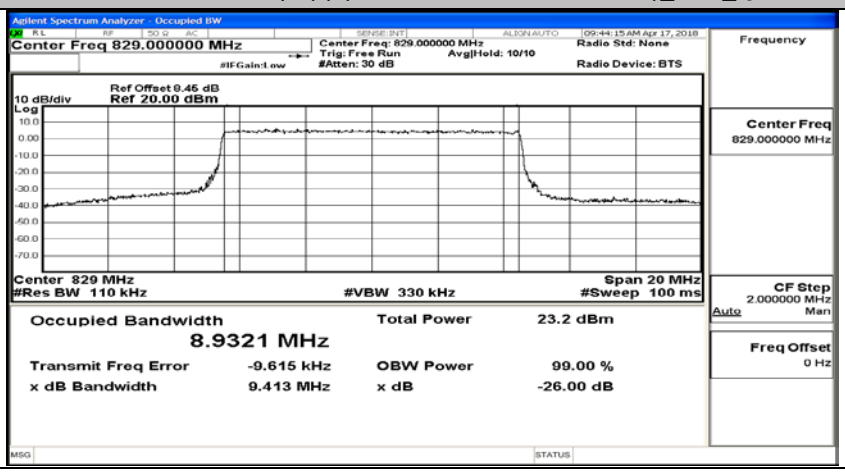
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



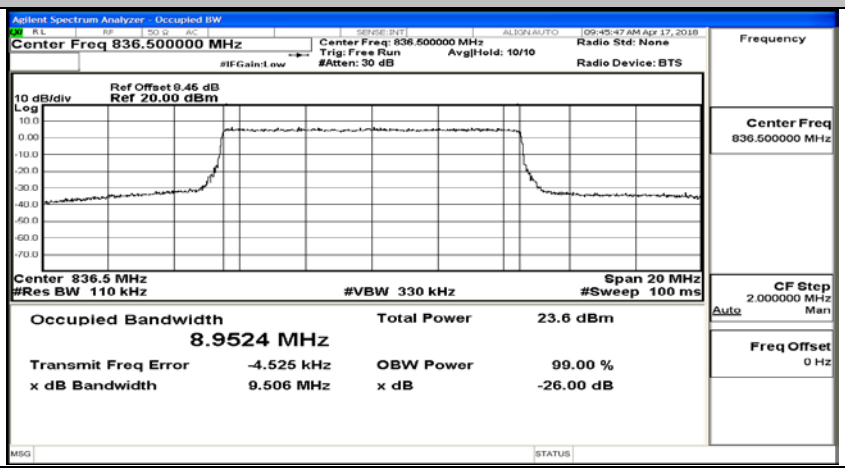
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



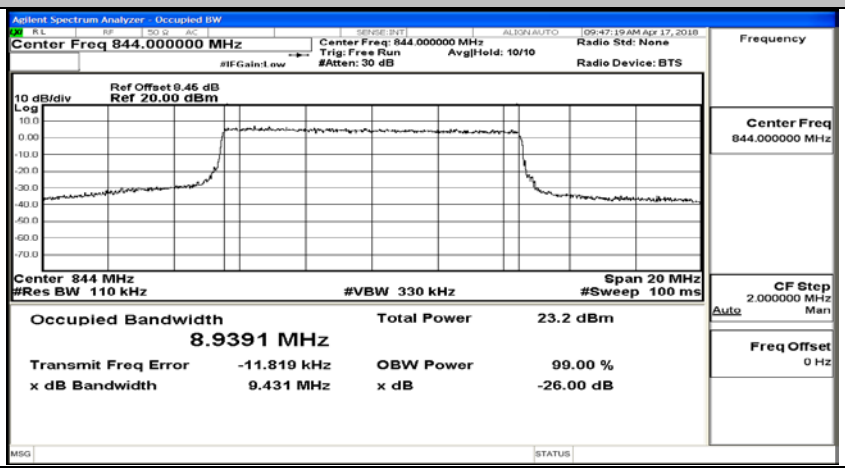
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



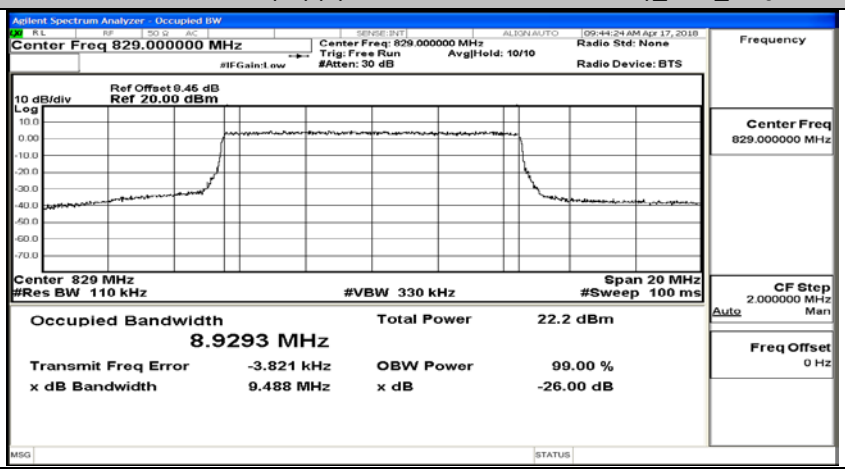
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



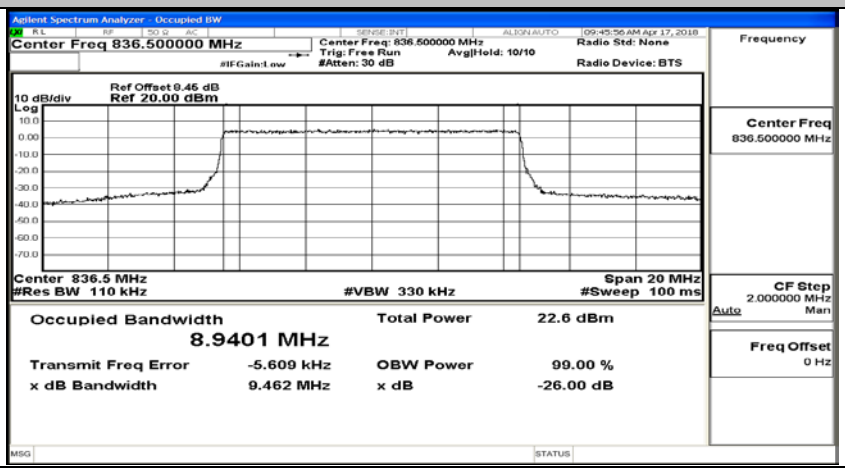
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



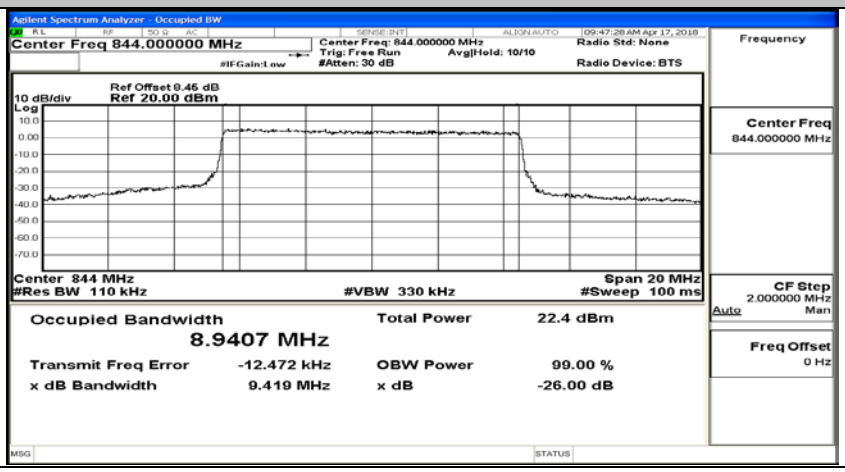
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

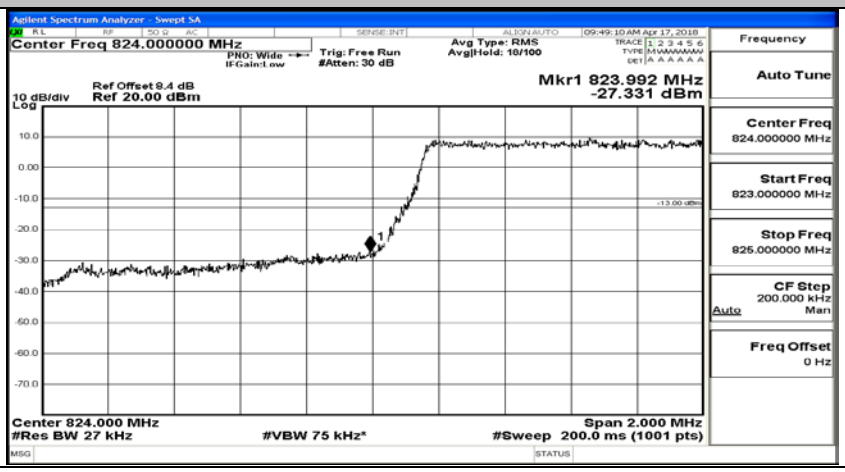


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

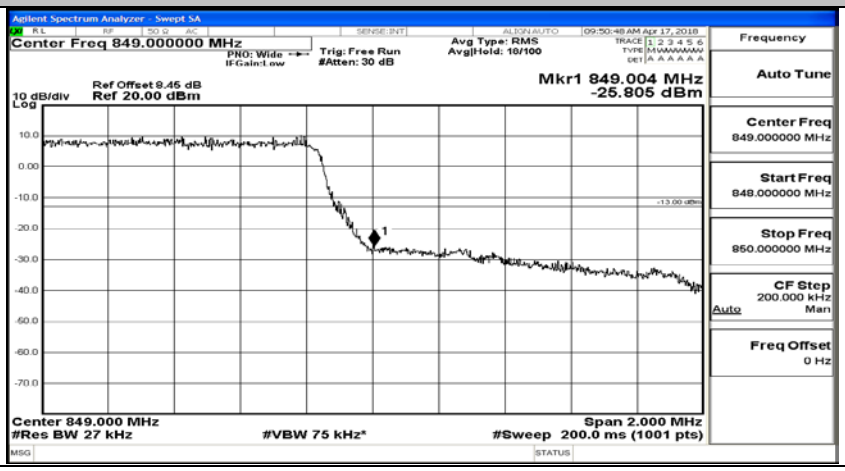


D.4 Band Edge

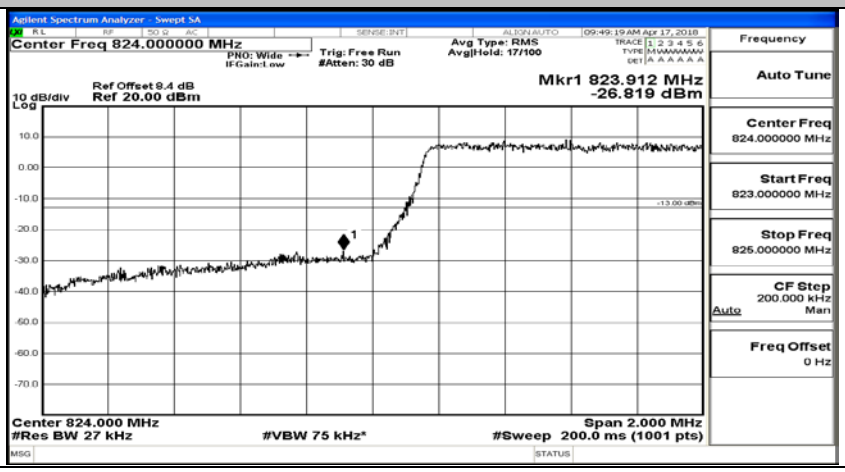
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



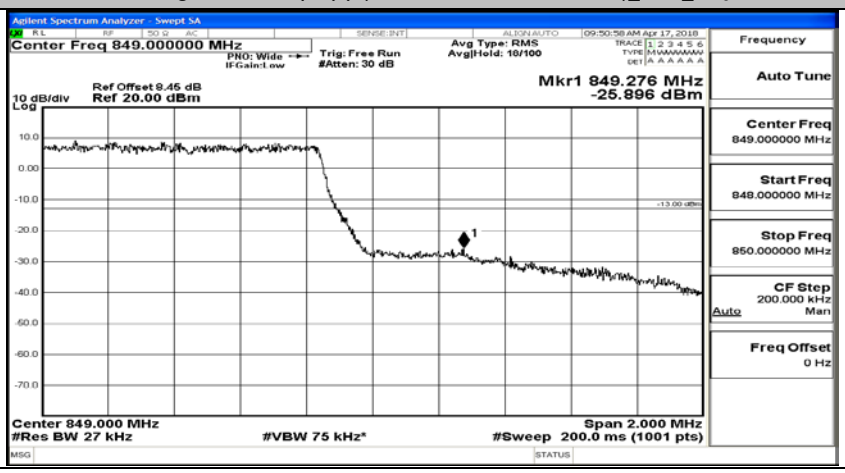
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



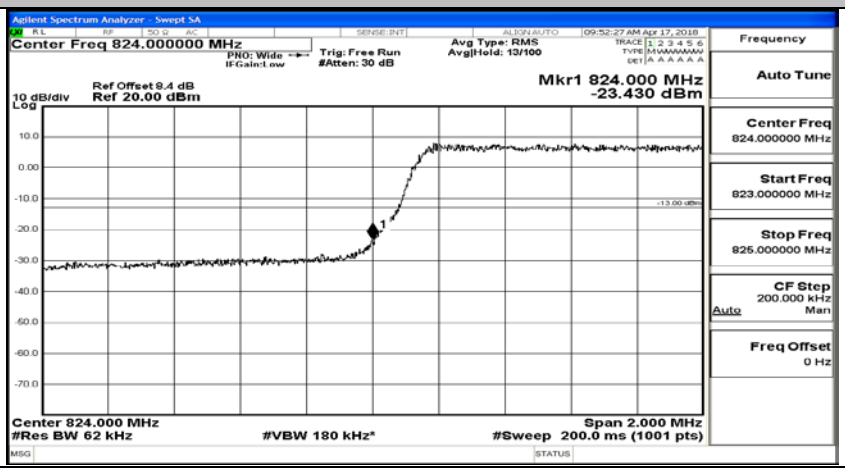
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



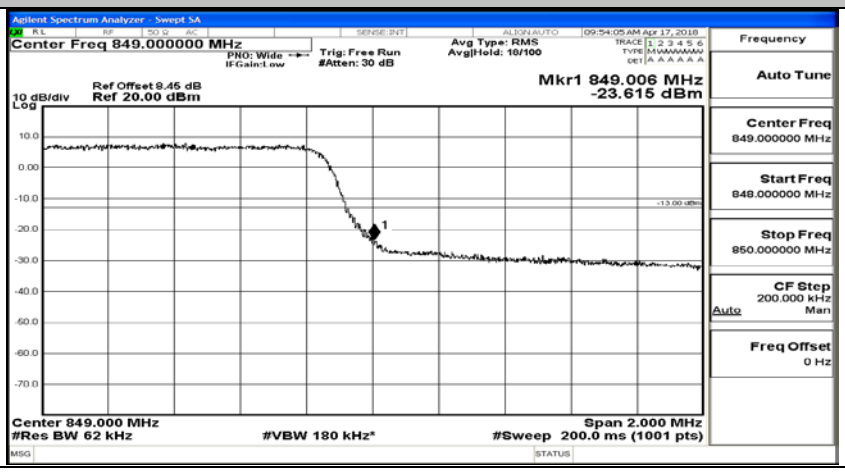
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



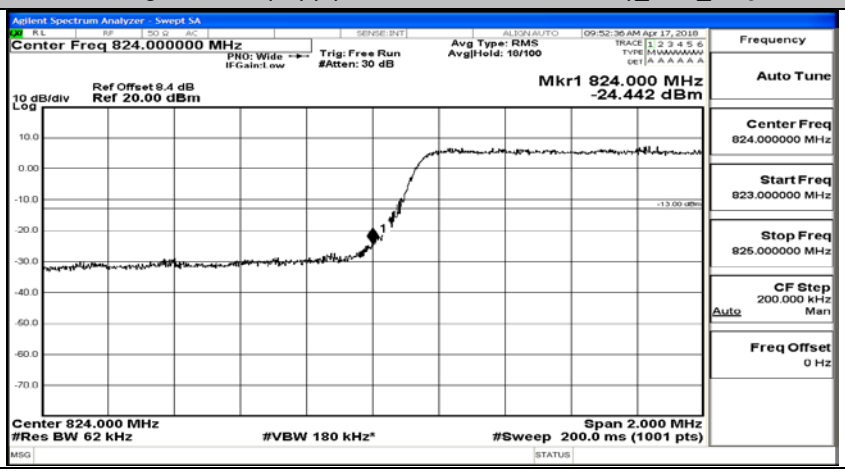
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



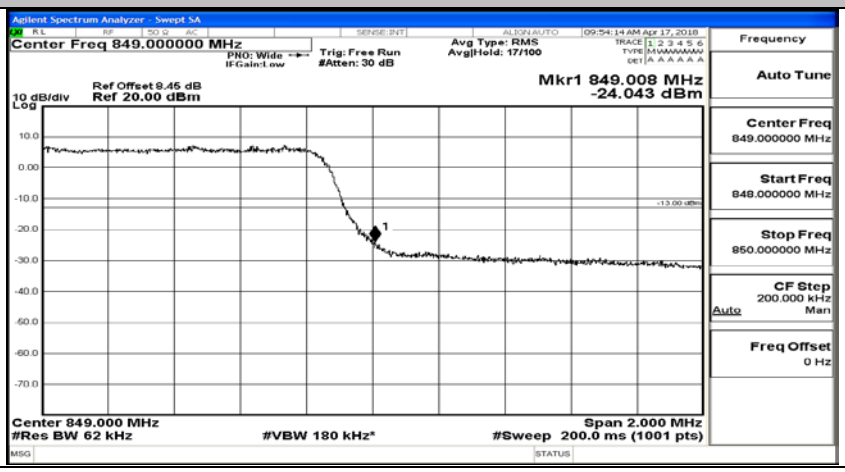
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



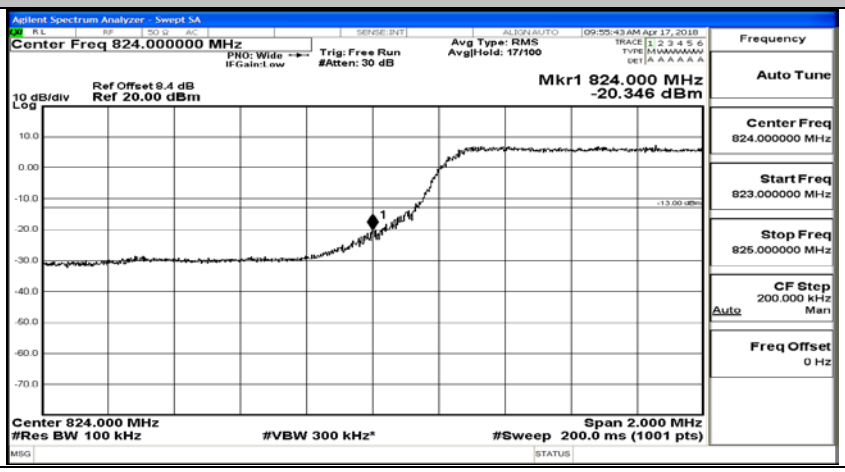
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



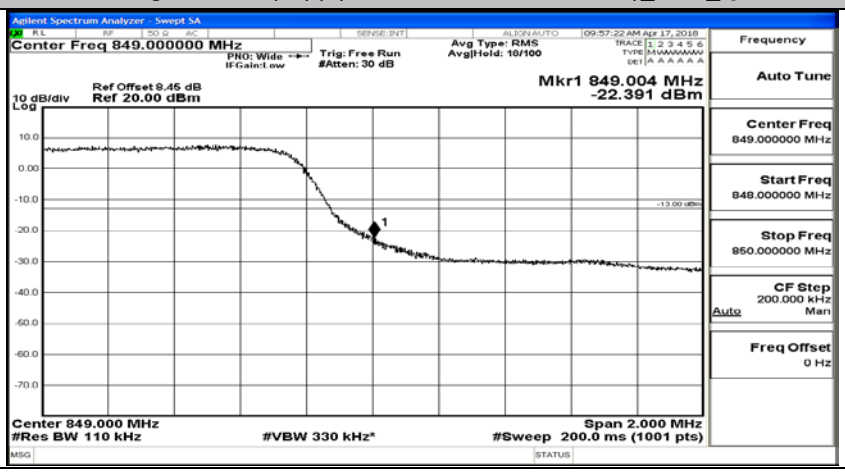
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



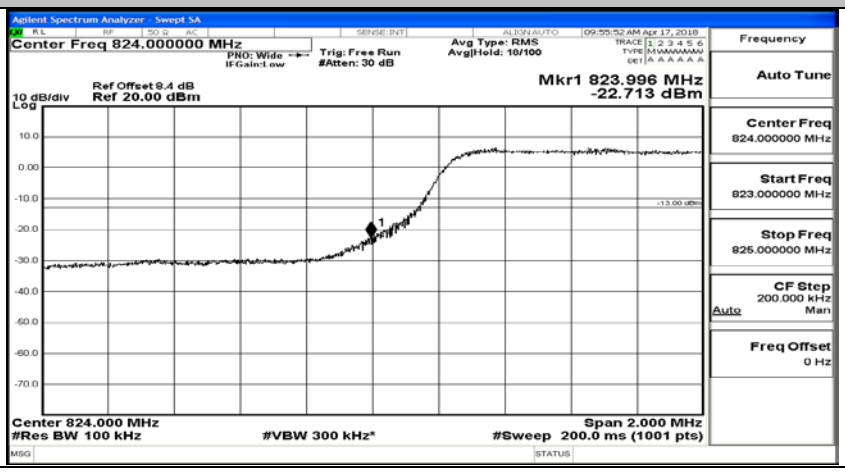
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



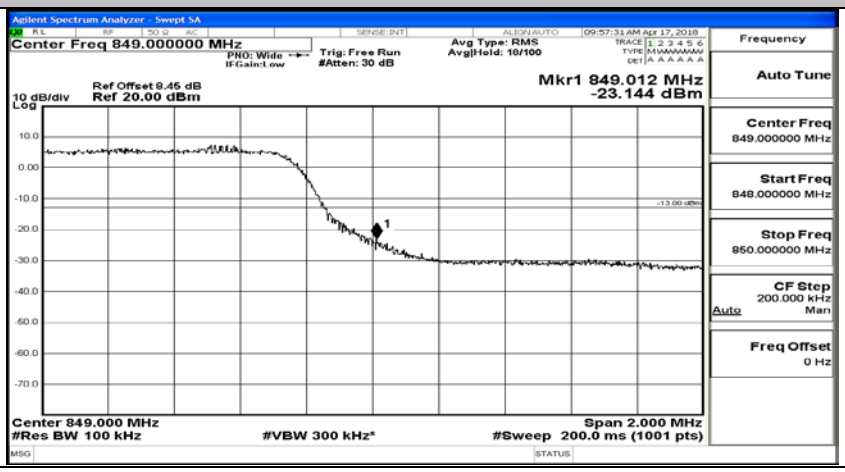
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



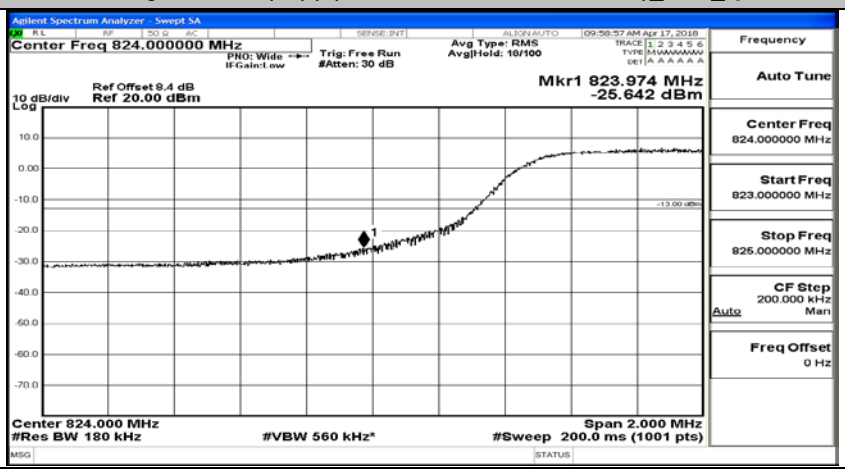
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



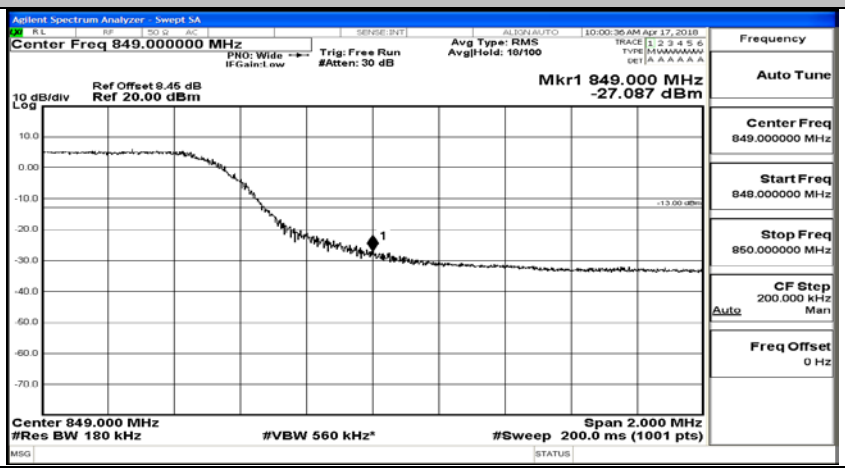
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



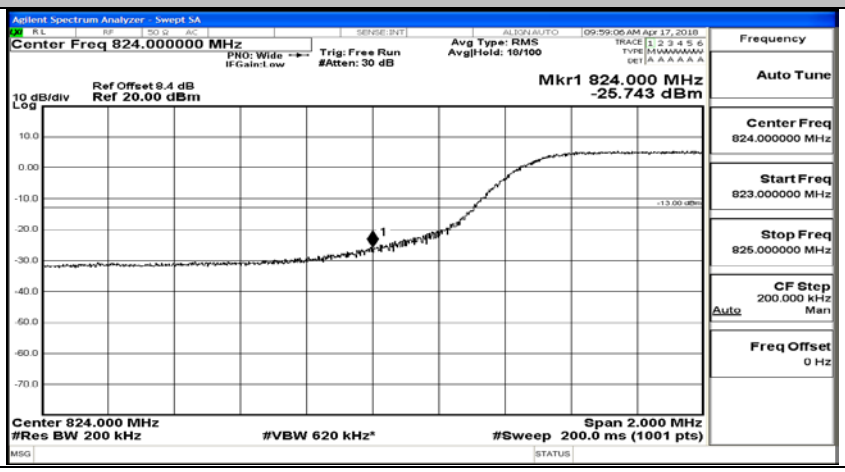
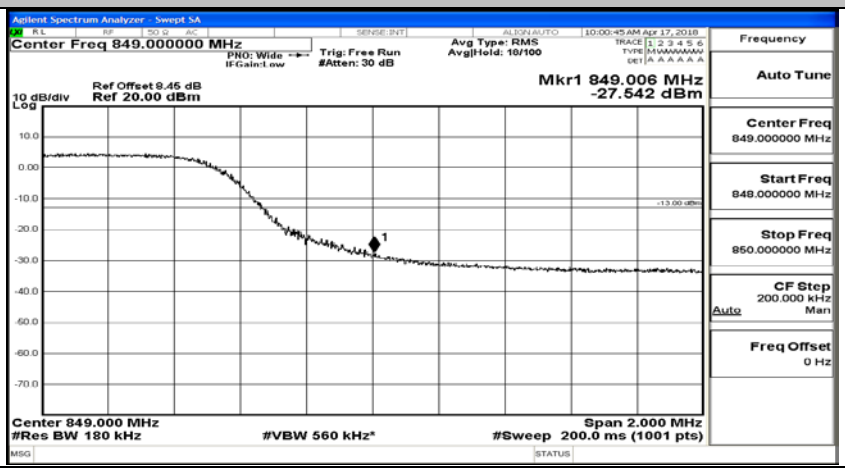
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



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