Appendix A: Test Data for E-UTRA Band II

Product Name: Wireless Door Intercom
Trade Mark: AES, BFT, Beninca, SEA, NICE, FAAC
Test Model: PRIME6-PROX-IMPK-PE-4GA

Environmental Conditions

Temperature:	23.5
Relative Humidity:	53.1
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden Zhuo

A.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	25.15	24.40	PASS
		1	3	25.15	24.48	PASS
		1	5	25.19	24.45	PASS
		3	0	25.23	24.36	PASS
		3	2	25.24	24.33	PASS
		3	3	25.25	24.34	PASS
		6	0	24.31	23.29	PASS
	MCH	1	0	25.15	**25.04**	PASS
		1	3	25.71	25.04	PASS
		1	5	**25.73**	25.01	PASS
		3	0	25.09	24.72	PASS
		3	2	25.11	24.71	PASS
		3	3	25.02	24.69	PASS
		6	0	24.79	23.73	PASS
	HCH	1	0	25.63	24.82	PASS
		1	3	25.64	24.92	PASS
		1	5	25.67	24.88	PASS
		3	0	25.23	24.74	PASS
		3	2	25.68	24.71	PASS
		3	3	25.71	24.75	PASS
		6	0	24.73	23.84	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	25.20	24.47	PASS
		1	7	25.28	24.56	PASS
		1	14	25.29	24.54	PASS
		8	0	24.34	23.42	PASS
		8	4	24.37	23.41	PASS
		8	7	24.40	23.43	PASS
		15	0	24.36	23.31	PASS
	MCH	1	0	**25.65**	24.89	PASS
		1	7	25.31	24.91	PASS
		1	14	25.63	24.87	PASS
		8	0	24.80	23.83	PASS
		8	4	24.81	23.83	PASS
		8	7	24.81	23.82	PASS
		15	0	24.78	23.72	PASS
	HCH	1	0	25.57	24.84	PASS
		1	7	25.62	24.92	PASS
		1	14	25.12	**24.94**	PASS
		8	0	24.64	23.65	PASS
		8	4	24.66	23.65	PASS
		8	7	24.70	23.67	PASS
		15	0	24.63	23.65	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	25.31	24.64	PASS
		1	12	25.40	24.70	PASS
		1	24	25.40	24.72	PASS
		12	0	24.42	23.54	PASS
		12	6	24.46	23.58	PASS
		12	13	24.49	23.59	PASS
		25	0	24.41	23.44	PASS
	MCH	1	0	25.76	**25.07**	PASS
		1	12	**25.80**	25.06	PASS
		1	24	25.70	24.99	PASS
		12	0	24.84	23.94	PASS
		12	6	24.84	23.95	PASS
		12	13	24.83	23.91	PASS
		25	0	24.77	23.77	PASS
	HCH	1	0	25.61	24.56	PASS
		1	12	25.68	24.65	PASS
		1	24	25.70	24.66	PASS
		12	0	24.65	23.68	PASS
		12	6	24.68	23.69	PASS
		12	13	24.70	23.74	PASS
		25	0	24.64	23.67	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	25.27	24.56	PASS
		1	24	25.45	24.71	PASS
		1	49	25.44	24.71	PASS
		25	0	24.42	23.41	PASS
		25	12	24.48	23.48	PASS
		25	25	24.53	23.54	PASS
		50	0	24.49	23.48	PASS
	MCH	1	0	25.61	**24.90**	PASS
		1	24	25.21	25.01	PASS
		1	49	**25.64**	24.88	PASS
		25	0	24.77	23.76	PASS
		25	12	24.76	23.75	PASS
		25	25	24.73	23.73	PASS
		50	0	24.74	23.74	PASS
	HCH	1	0	25.29	24.73	PASS
		1	24	25.50	24.81	PASS
		1	49	25.30	24.75	PASS
		25	0	24.46	23.50	PASS
		25	12	24.51	23.55	PASS
		25	25	24.61	23.63	PASS
		50	0	24.54	23.60	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	25.27	24.54	PASS
		1	37	25.23	24.76	PASS
		1	74	25.24	24.57	PASS
		37	0	24.54	23.49	PASS
		37	18	24.58	23.54	PASS
		37	38	24.55	23.53	PASS
		75	0	24.57	23.54	PASS
	MCH	1	0	25.50	24.83	PASS
		1	37	**25.75**	**24.97**	PASS
		1	74	25.50	24.75	PASS
		37	0	24.79	23.74	PASS
		37	18	24.86	23.79	PASS
		37	38	24.78	23.72	PASS
		75	0	24.81	23.78	PASS
	HCH	1	0	25.08	24.37	PASS
		1	37	25.40	24.70	PASS
		1	74	25.43	24.75	PASS
		37	0	24.26	23.33	PASS
		37	18	24.53	23.55	PASS
		37	38	24.68	23.63	PASS
		75	0	24.56	23.57	PASS

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	25.43	24.58	PASS
		1	49	25.18	24.76	PASS
		1	99	25.10	24.33	PASS
		50	0	24.52	23.49	PASS
		50	25	24.52	23.52	PASS
		50	50	24.29	23.37	PASS
		100	0	24.53	23.54	PASS
	MCH	1	0	25.56	24.75	PASS
		1	49	**25.90**	25.03	PASS
		1	99	25.51	24.70	PASS
		50	0	24.76	23.75	PASS
		50	25	24.79	23.77	PASS
		50	50	24.71	23.68	PASS
		100	0	24.71	23.70	PASS
	HCH	1	0	25.53	**24.90**	PASS
		1	49	25.21	24.55	PASS
		1	99	25.23	24.63	PASS
		50	0	24.00	23.11	PASS
		50	25	24.19	23.28	PASS
		50	50	24.53	23.63	PASS
		100	0	24.30	23.37	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	4.99	<13	PASS
	MCH	4.95	<13	PASS
	HCH	4.87	<13	PASS
16QAM	LCH	5.84	<13	PASS
	MCH	5.8	<13	PASS
	HCH	5.72	<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	<13	PASS
	MCH	5.06	<13	PASS
	HCH	5.05	<13	PASS
16QAM	LCH	5.89	<13	PASS
	MCH	5.86	<13	PASS
	HCH	5.81	<13	PASS

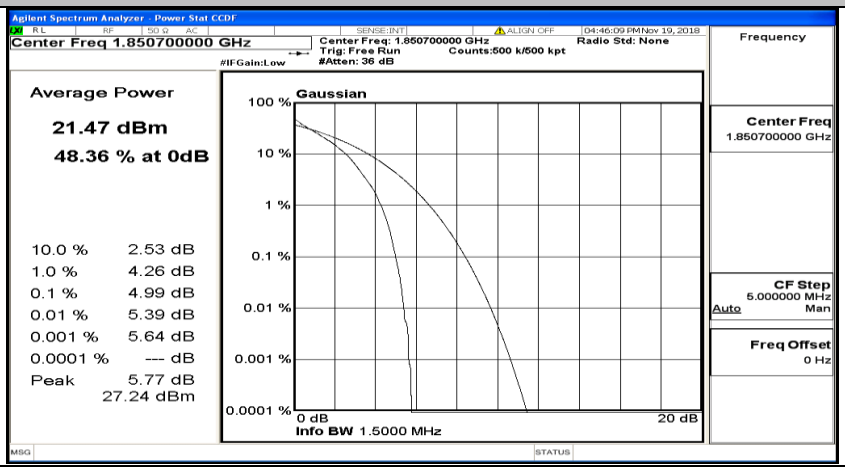
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5	<13	PASS
	MCH	4.99	<13	PASS
	HCH	4.96	<13	PASS
16QAM	LCH	5.81	<13	PASS
	MCH	5.81	<13	PASS
	HCH	5.78	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.98	<13	PASS
	MCH	5.01	<13	PASS
	HCH	5.13	<13	PASS
16QAM	LCH	8.39	<13	PASS
	MCH	8.38	<13	PASS
	HCH	5.86	<13	PASS

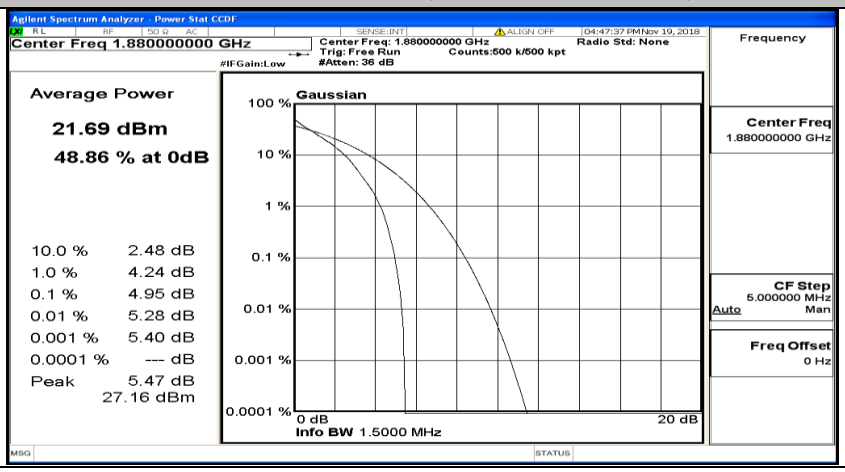
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.95	<13	PASS
	MCH	4.92	<13	PASS
	HCH	4.93	<13	PASS
16QAM	LCH	6.06	<13	PASS
	MCH	6.05	<13	PASS
	HCH	6.16	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.7	<13	PASS
	MCH	5.62	<13	PASS
	HCH	5.84	<13	PASS
16QAM	LCH	6.64	<13	PASS
	MCH	6.59	<13	PASS
	HCH	6.78	<13	PASS

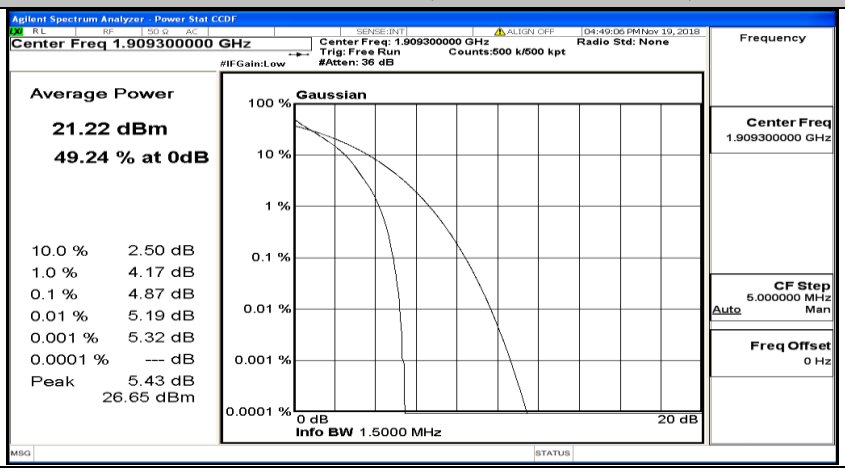
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



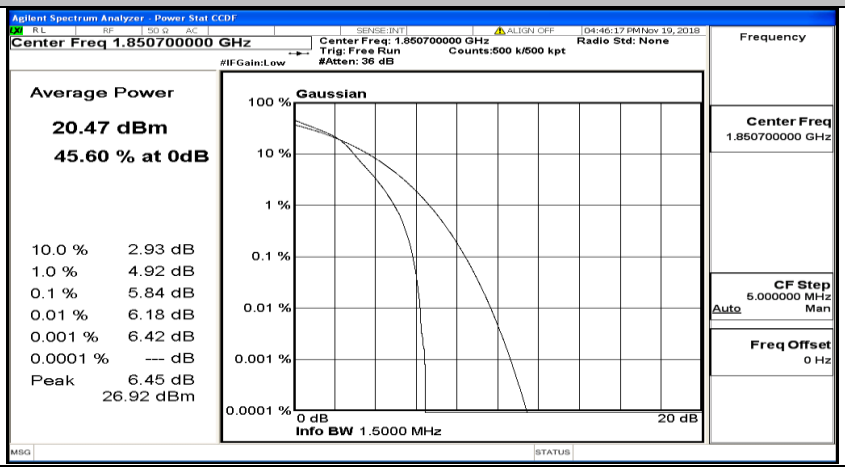
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



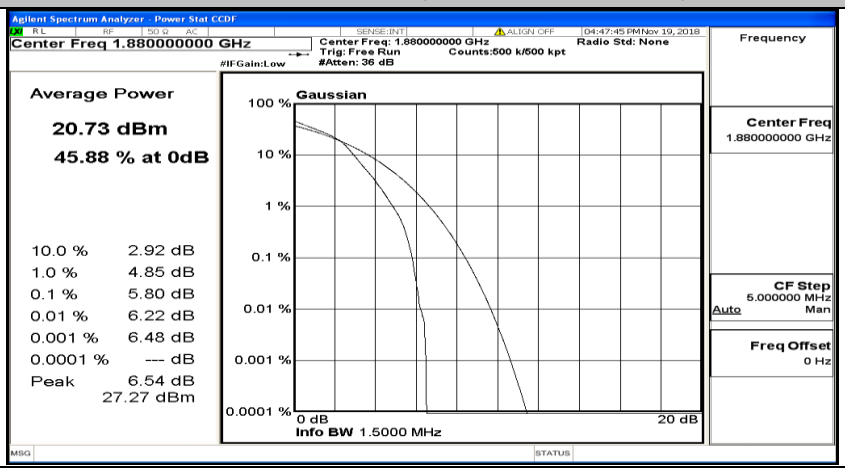
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



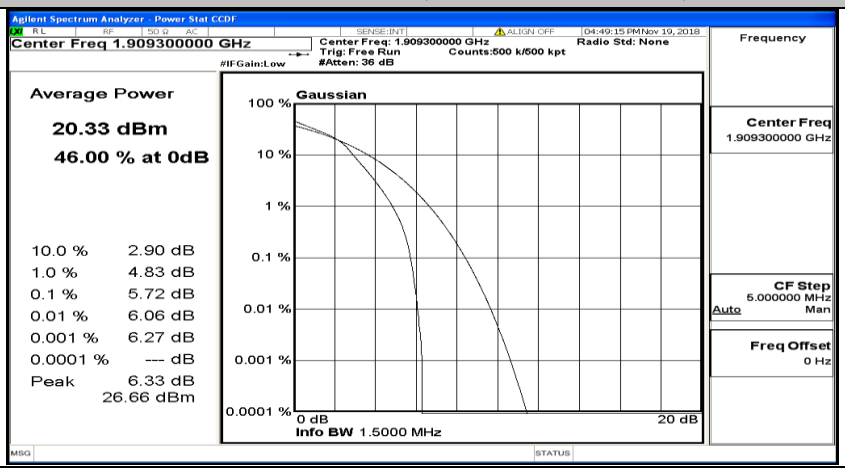
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



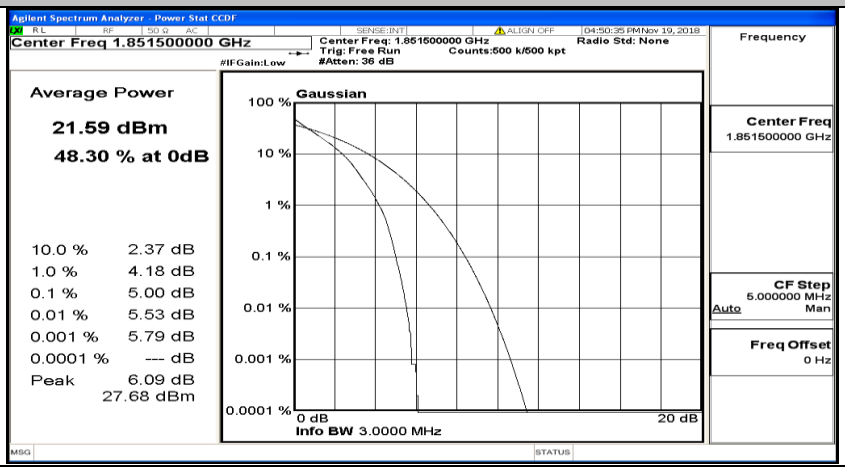
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



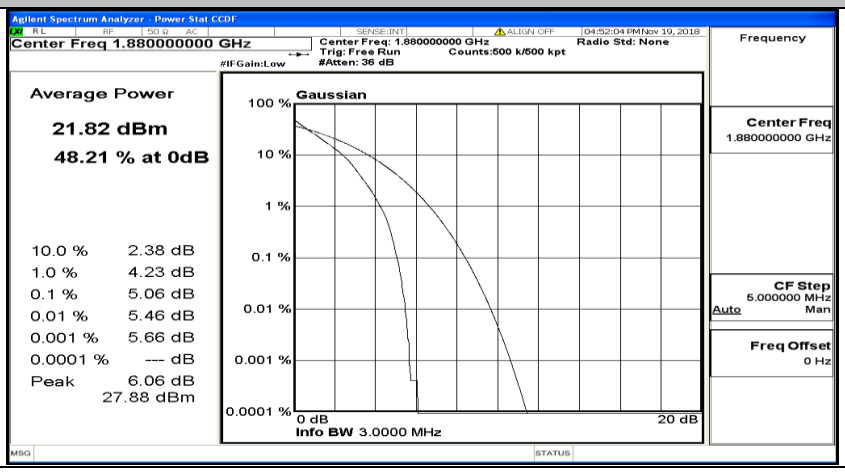
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



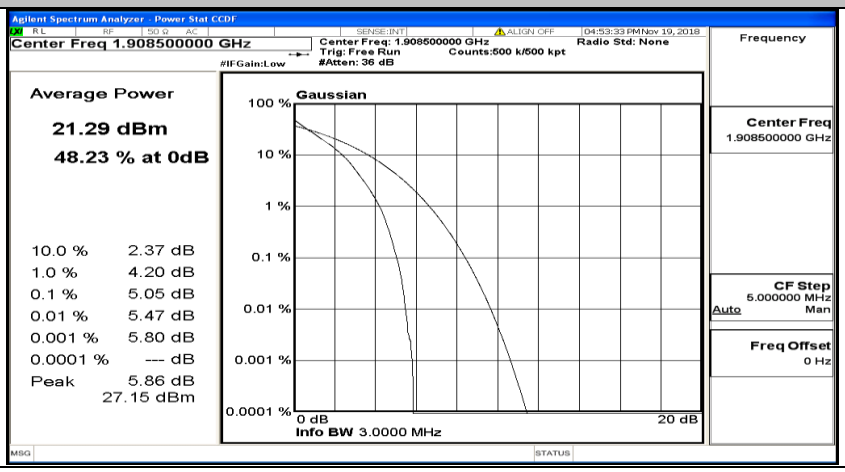
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



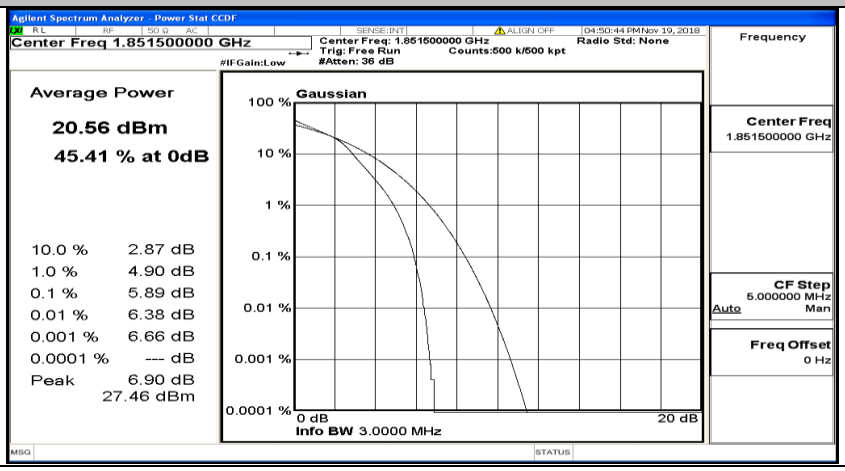
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



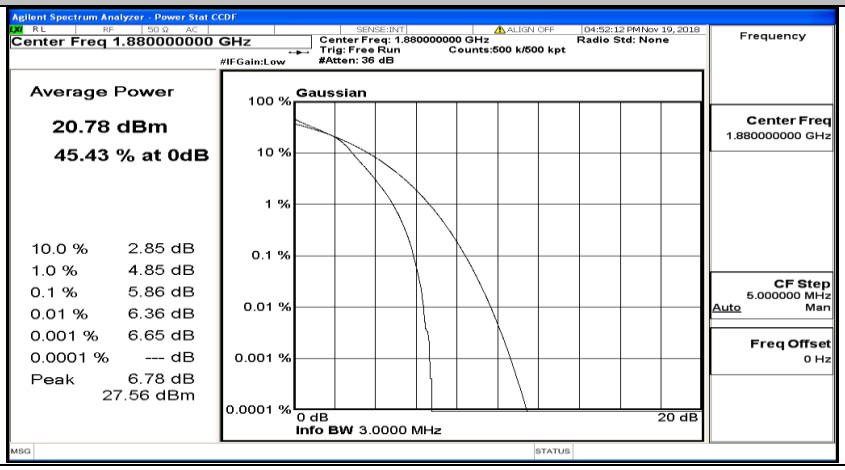
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



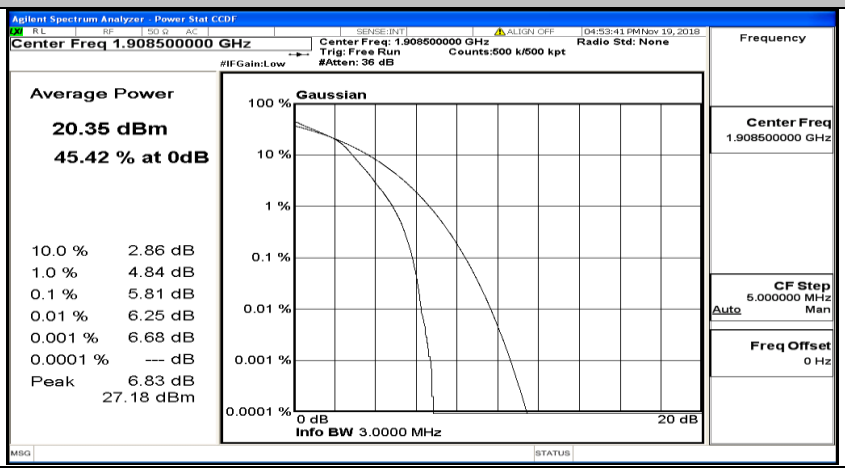
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



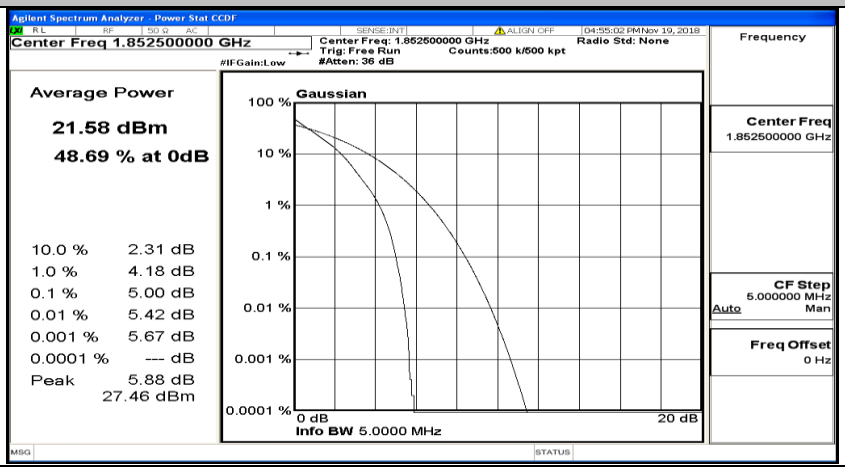
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



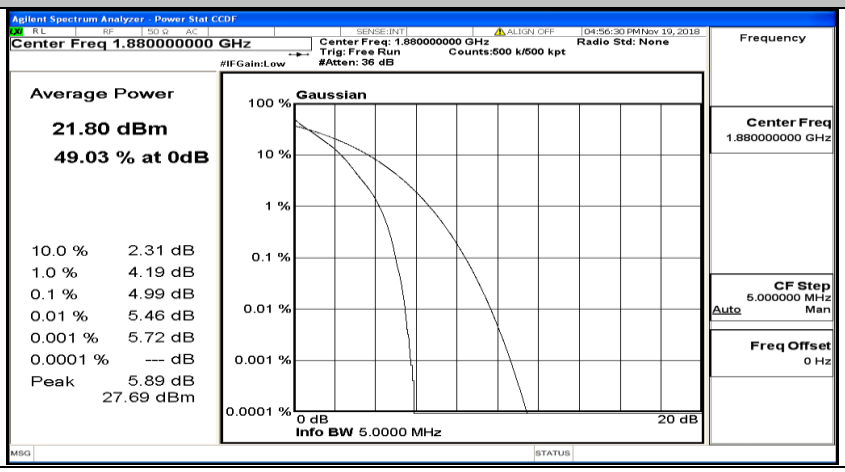
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



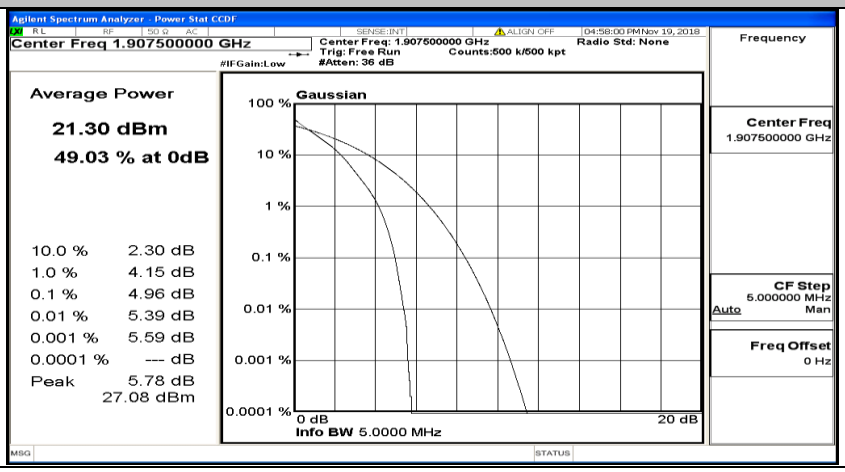
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



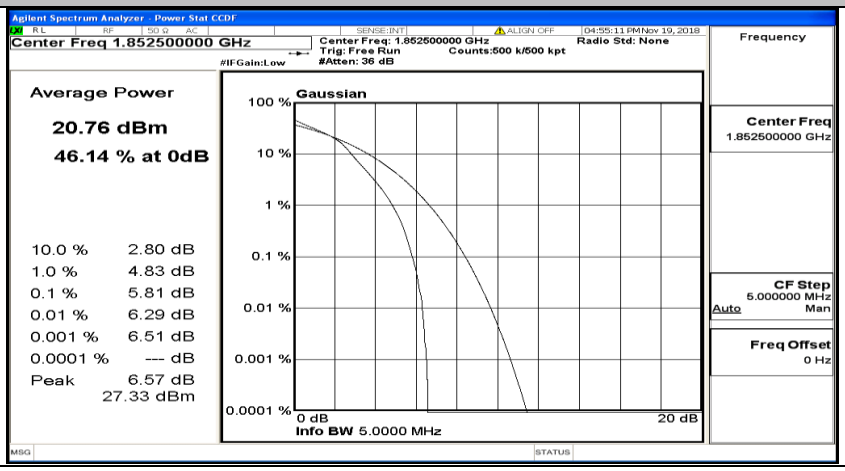
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



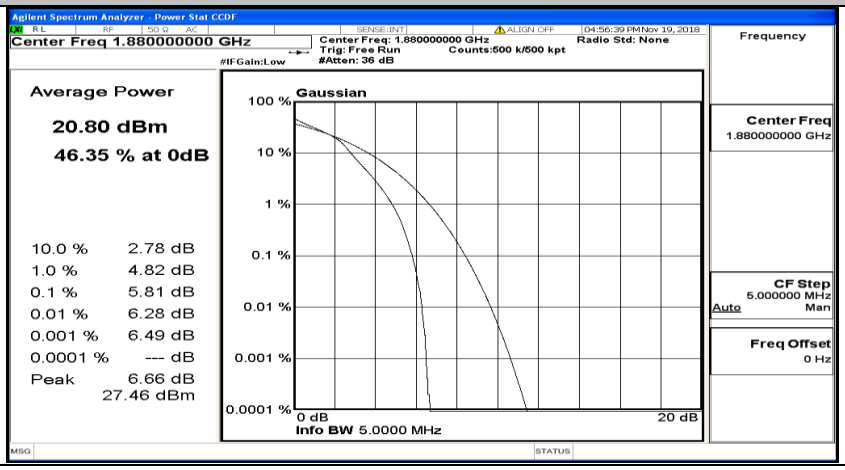
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



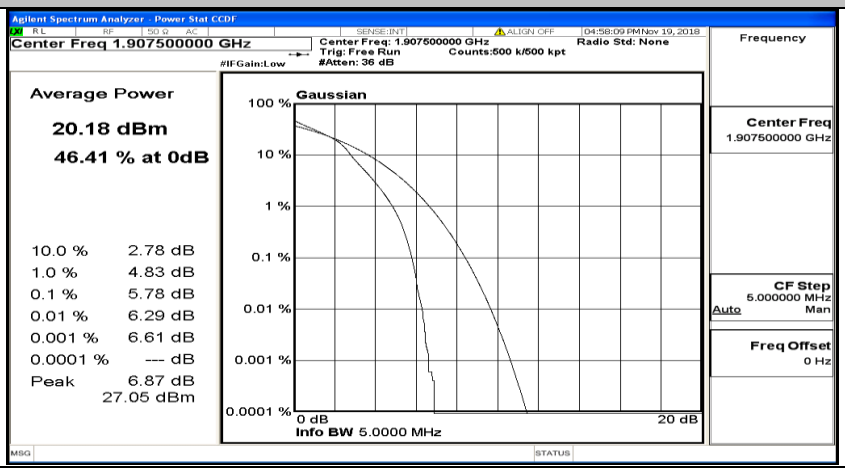
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



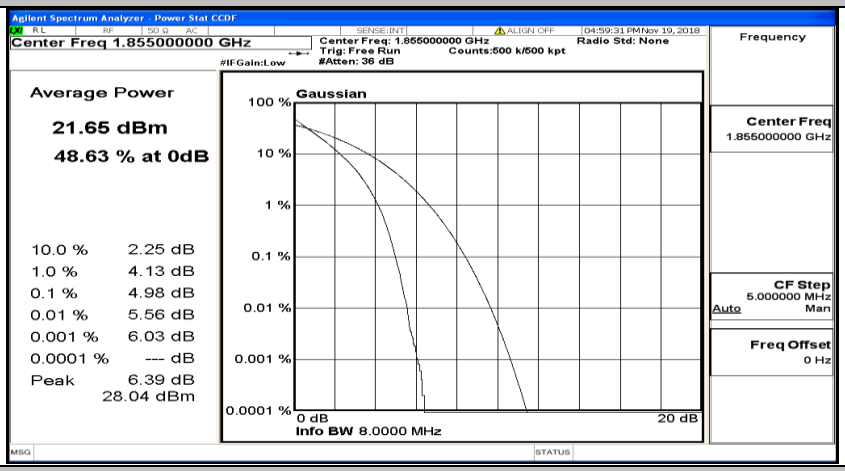
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



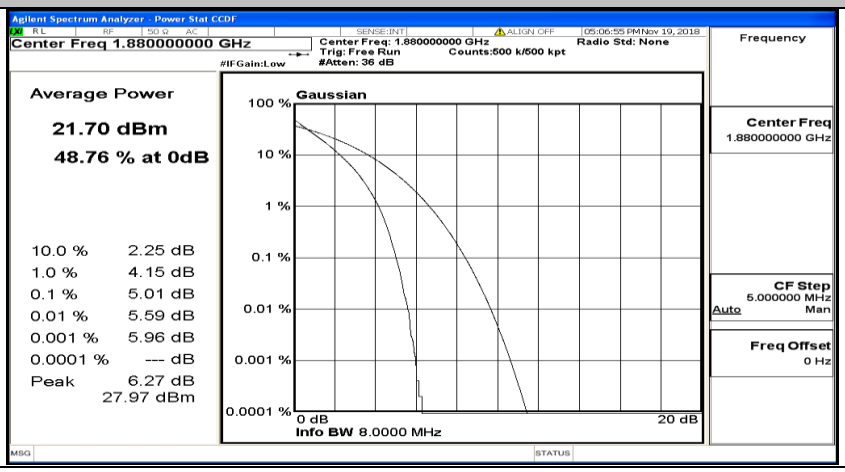
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



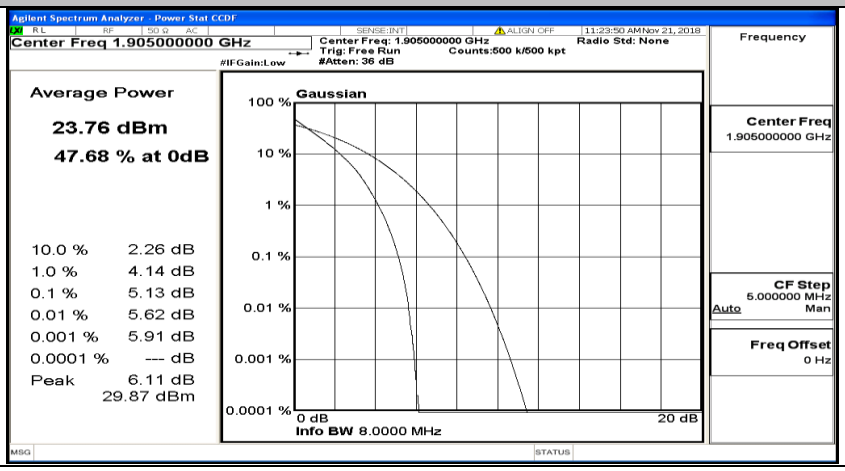
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



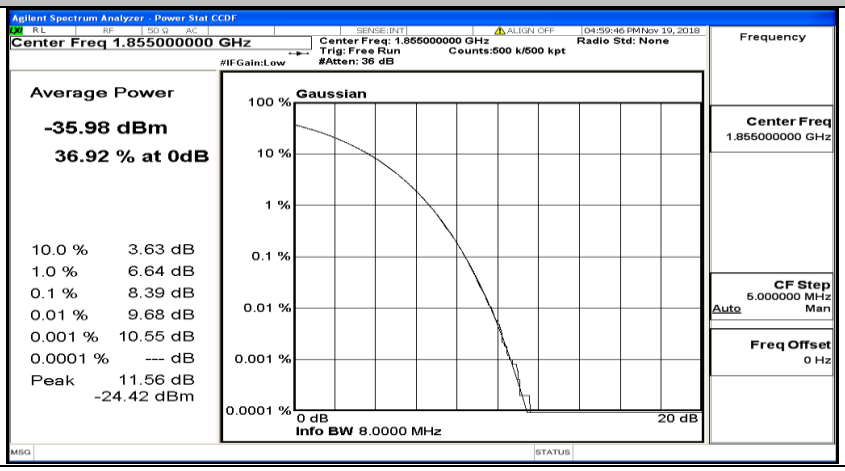
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



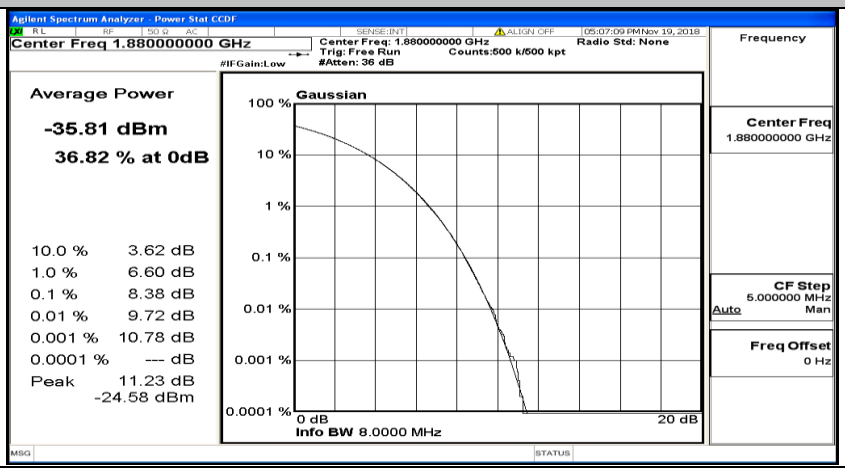
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



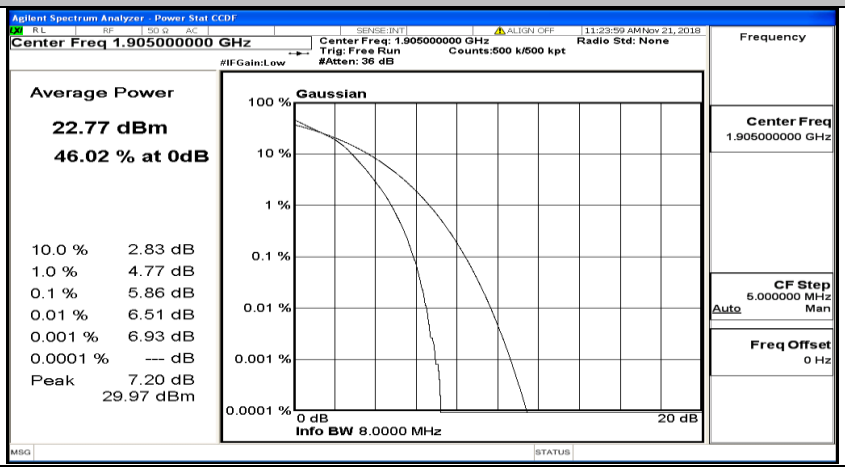
Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



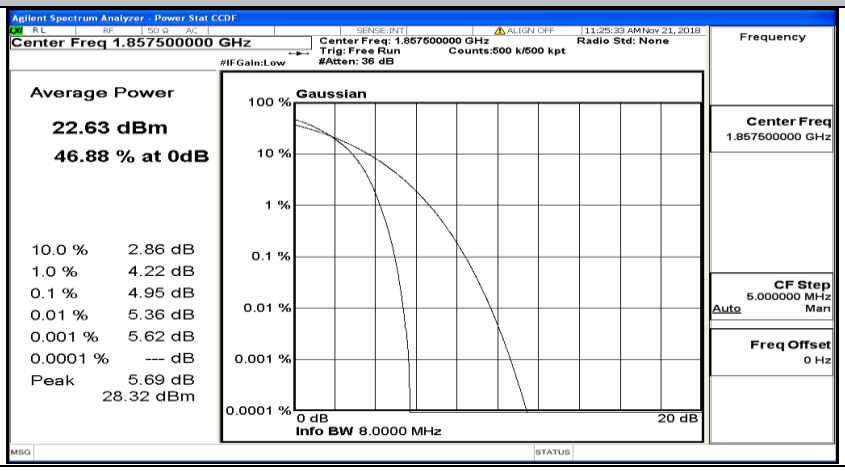
Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



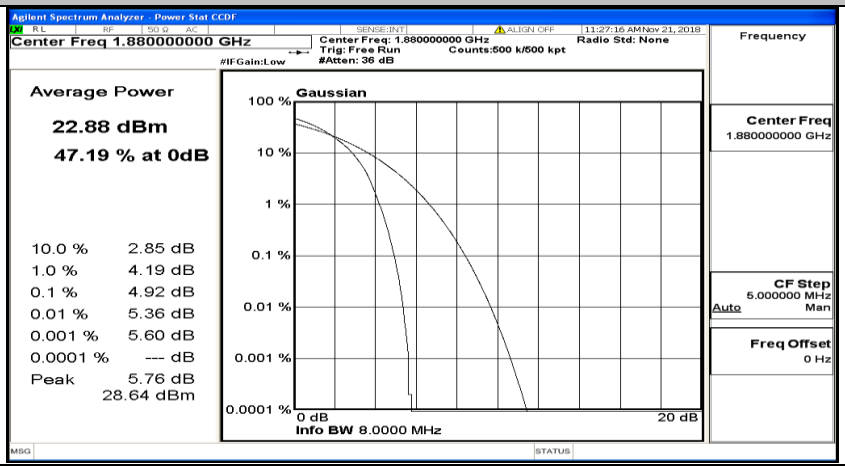
Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



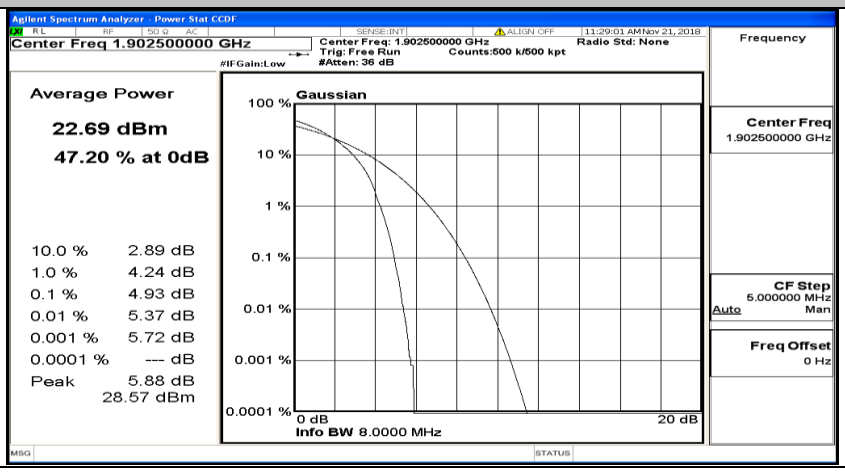
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



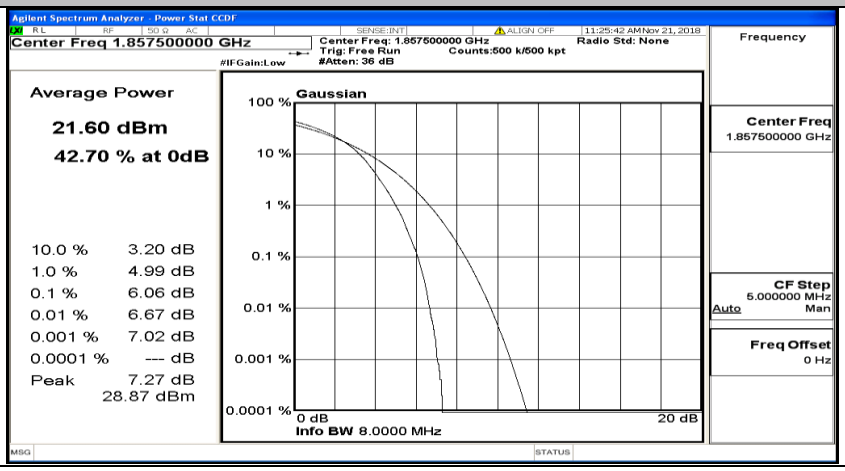
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



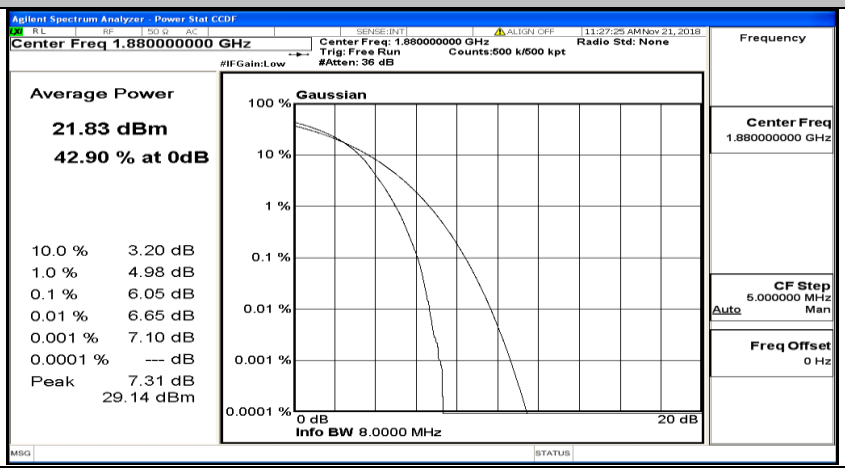
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



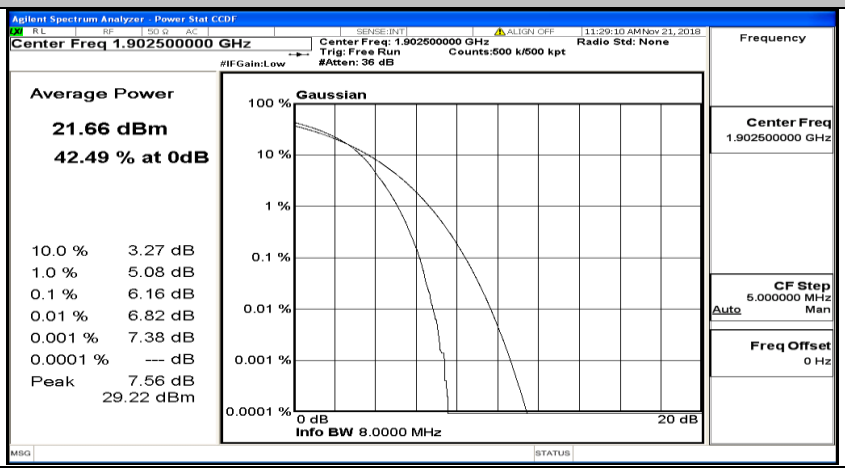
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



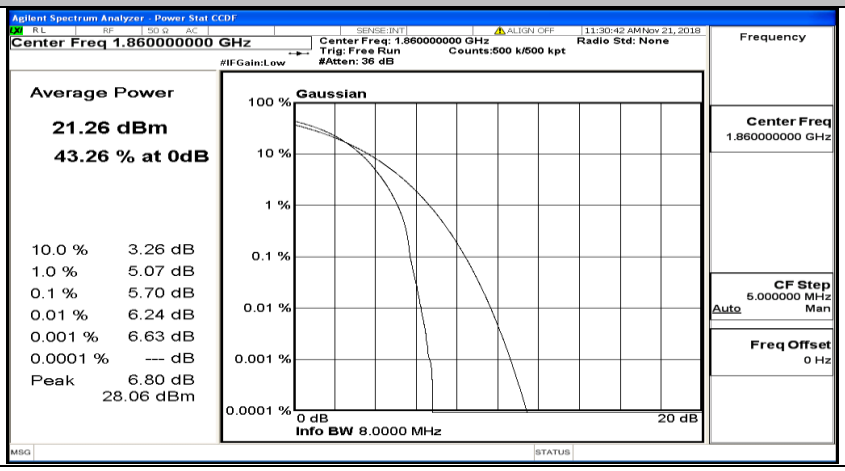
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



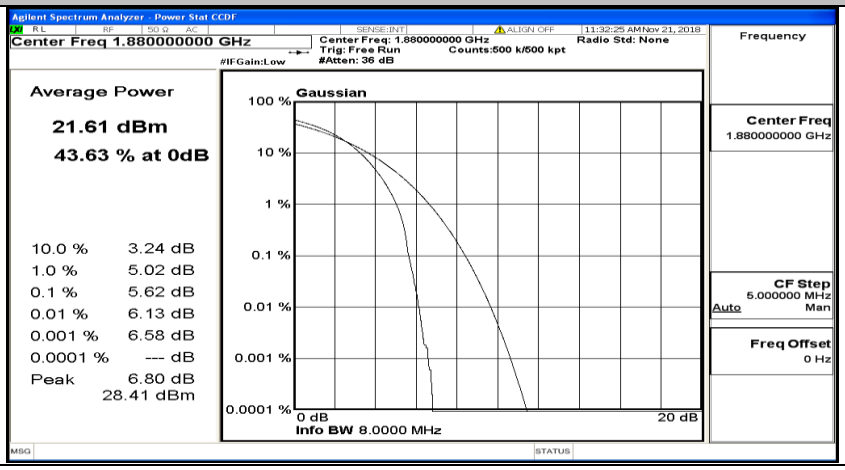
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



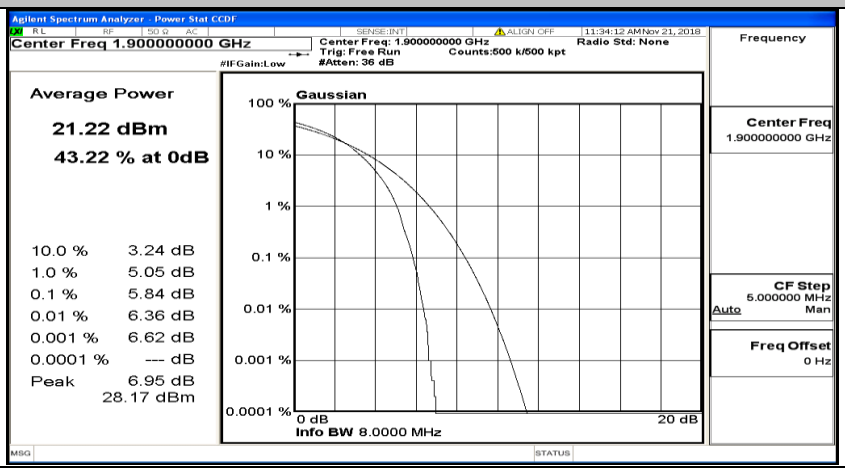
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



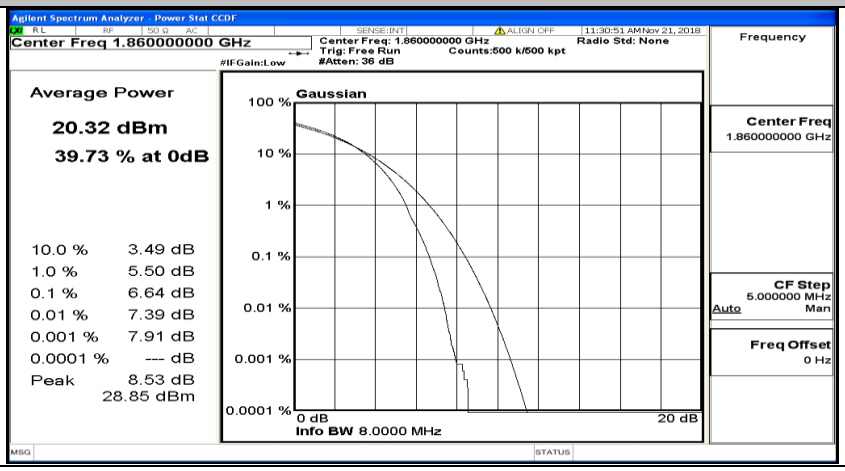
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



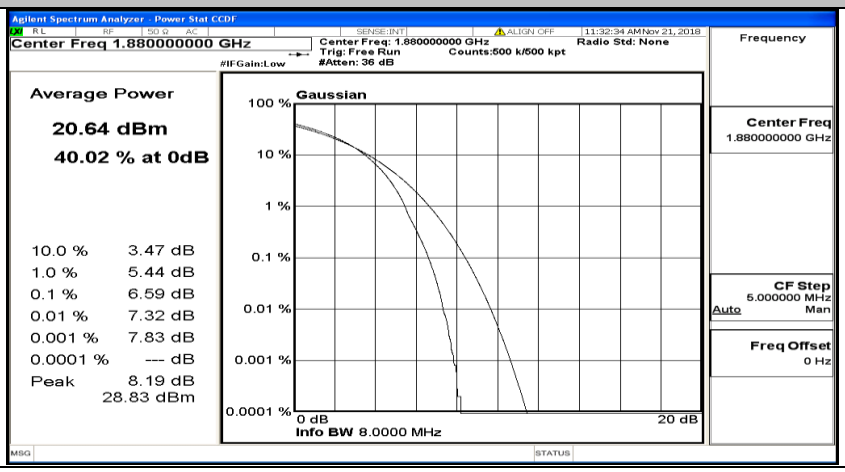
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



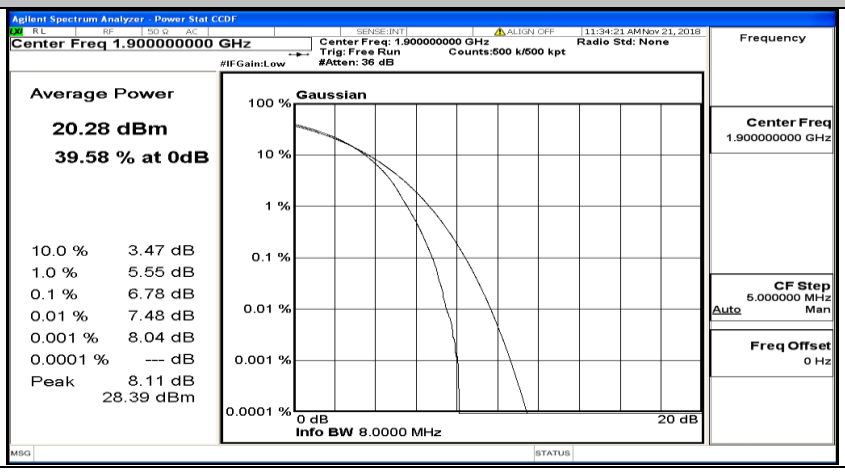
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 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	1.0779	1.233	PASS
	MCH	1.0764	1.210	PASS
	HCH	1.0781	1.226	PASS
16QAM	LCH	1.0801	1.240	PASS
	MCH	1.0805	1.215	PASS
	HCH	1.0775	1.214	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6826	2.875	PASS
	MCH	2.6852	2.854	PASS
	HCH	2.6828	2.885	PASS
16QAM	LCH	2.6809	2.869	PASS
	MCH	2.6872	2.886	PASS
	HCH	2.6881	2.866	PASS

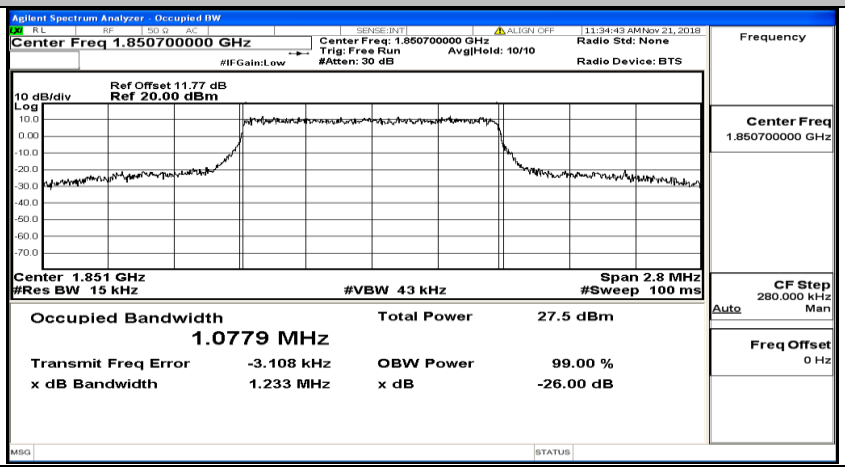
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4868	4.876	PASS
	MCH	4.4818	4.845	PASS
	HCH	4.4743	4.853	PASS
16QAM	LCH	4.4830	4.831	PASS
	MCH	4.4839	4.895	PASS
	HCH	4.4822	4.821	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9432	9.569	PASS
	MCH	8.9327	9.433	PASS
	HCH	8.9133	9.429	PASS
16QAM	LCH	8.9332	9.415	PASS
	MCH	8.9277	9.506	PASS
	HCH	8.9265	9.398	PASS

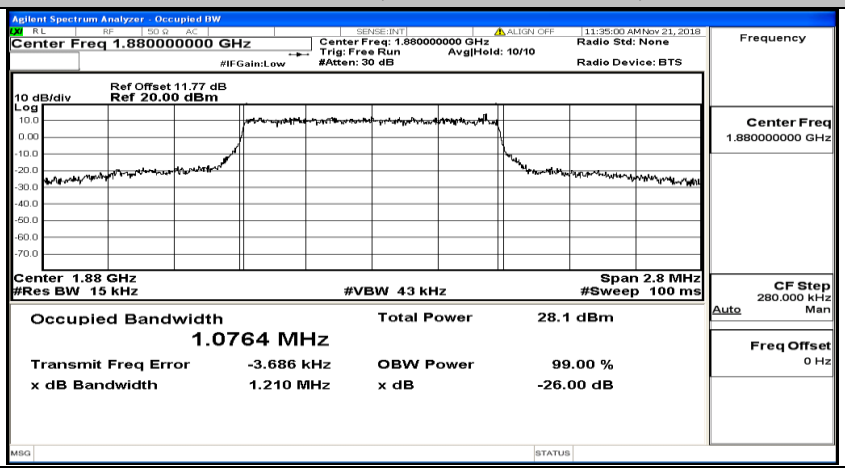
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.408	14.03	PASS
	MCH	13.397	14.08	PASS
	HCH	13.376	13.98	PASS
16QAM	LCH	13.391	14.06	PASS
	MCH	13.380	14.01	PASS
	HCH	13.370	13.99	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.857	18.65	PASS
	MCH	17.845	18.65	PASS
	HCH	17.855	18.58	PASS
16QAM	LCH	17.885	18.56	PASS
	MCH	17.848	18.62	PASS
	HCH	17.847	18.64	PASS

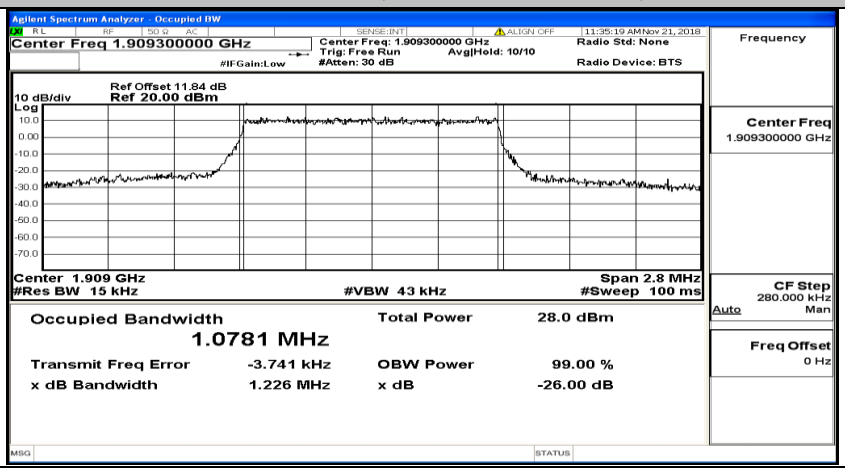
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



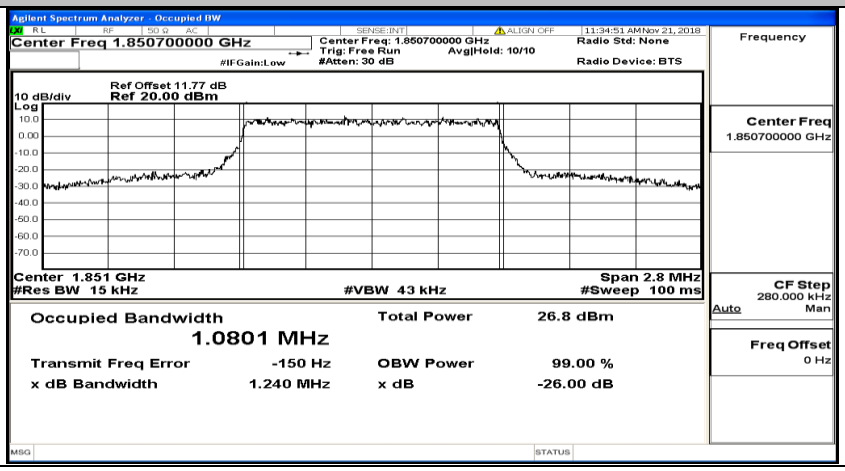
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



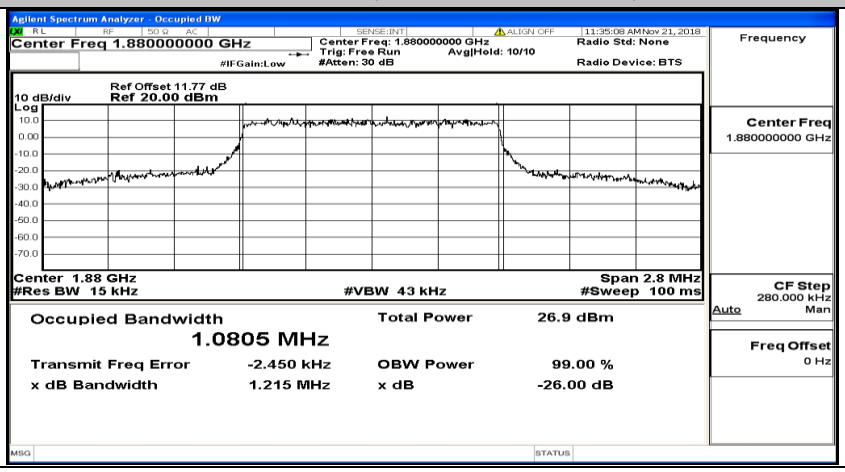
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



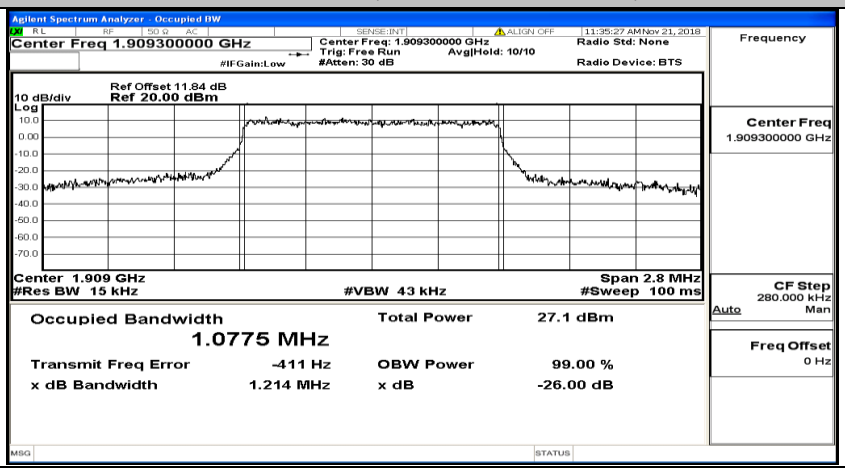
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



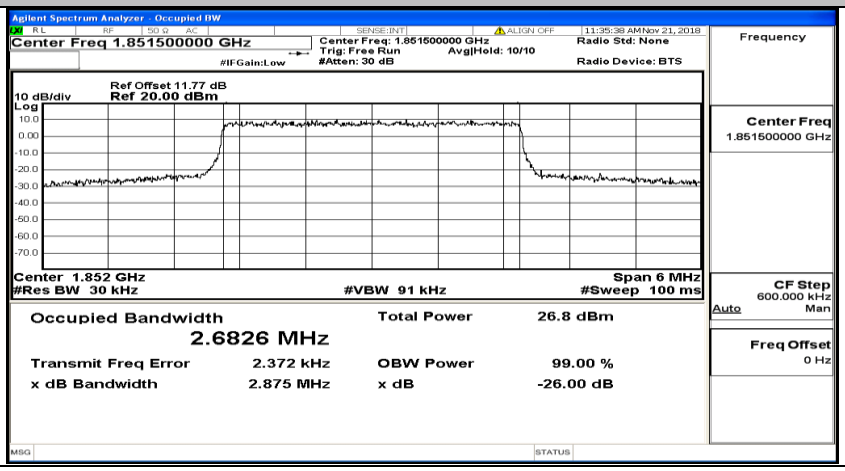
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



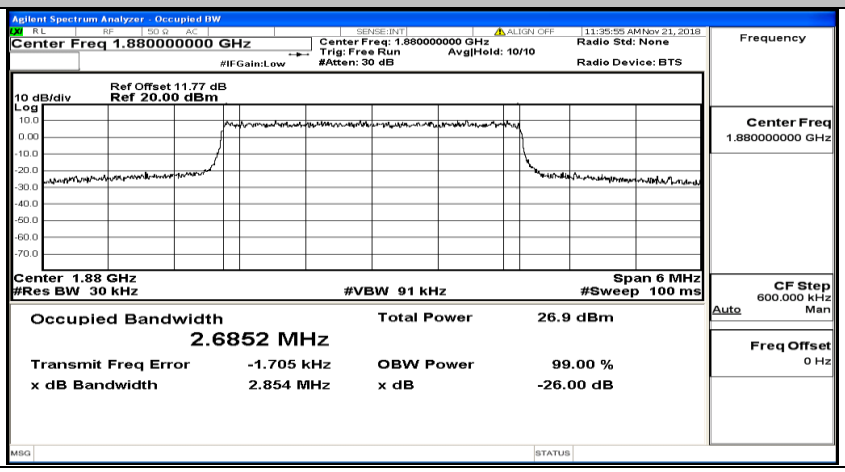
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



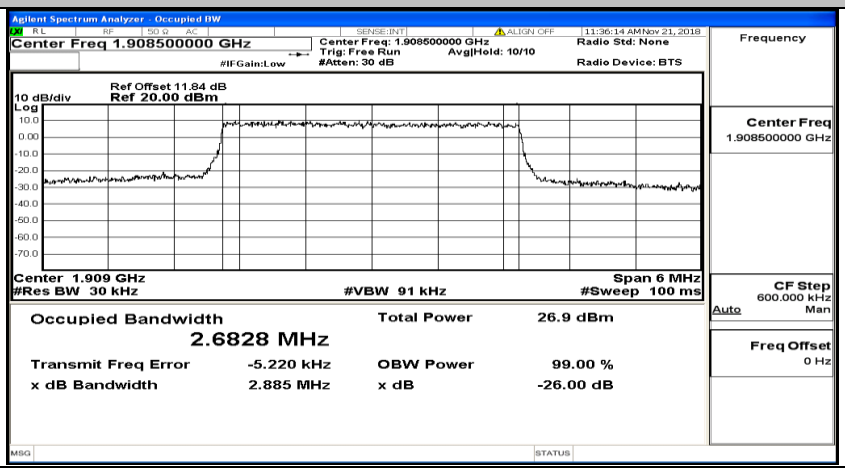
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



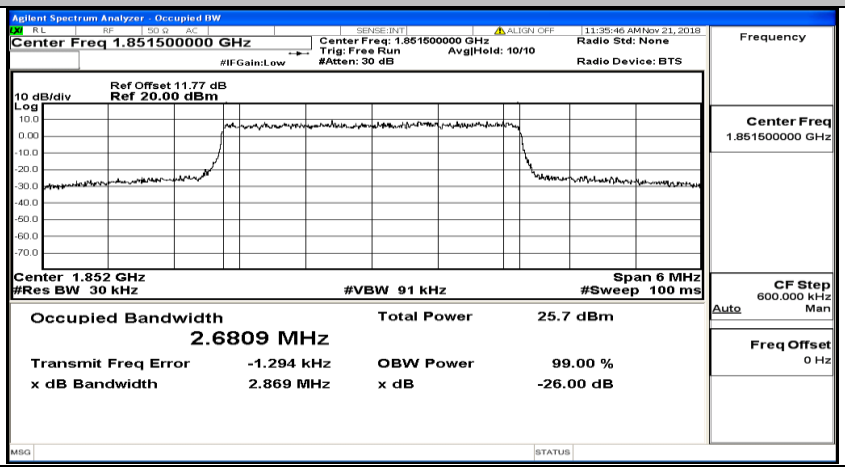
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



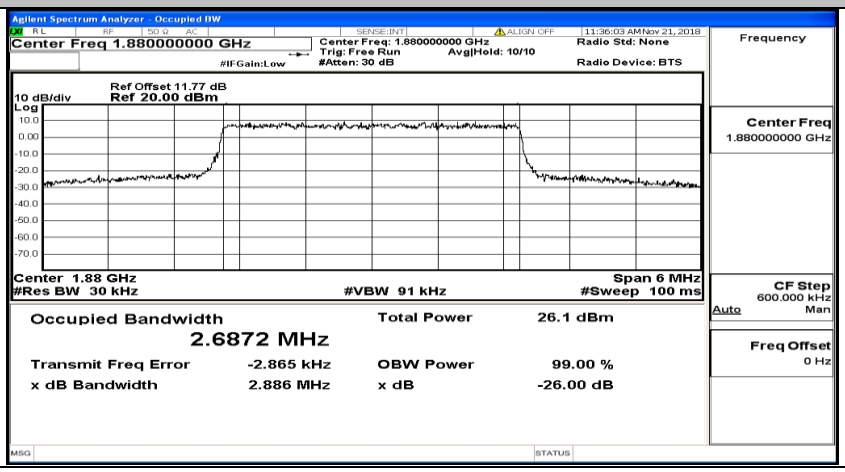
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



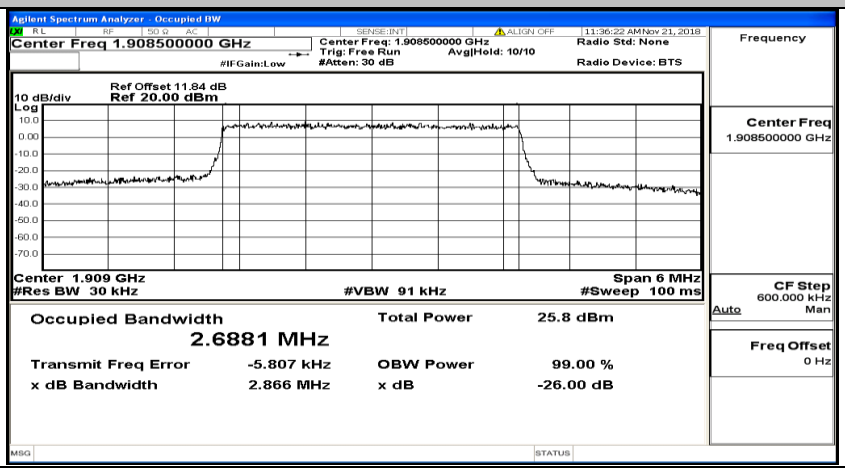
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



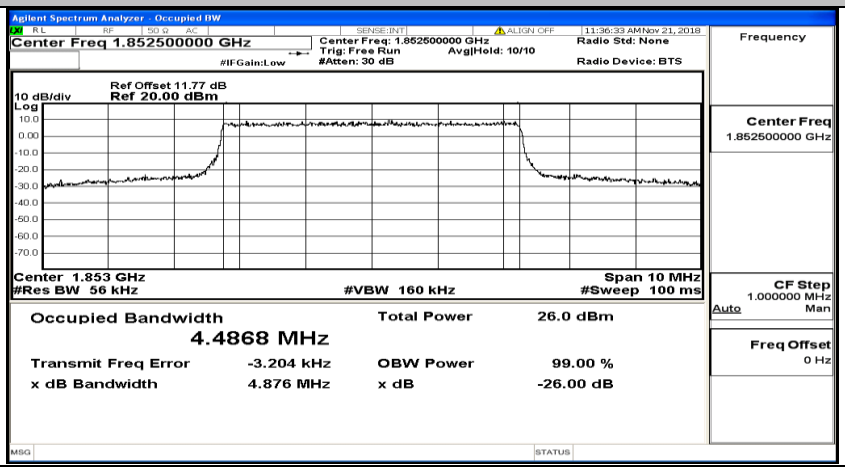
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



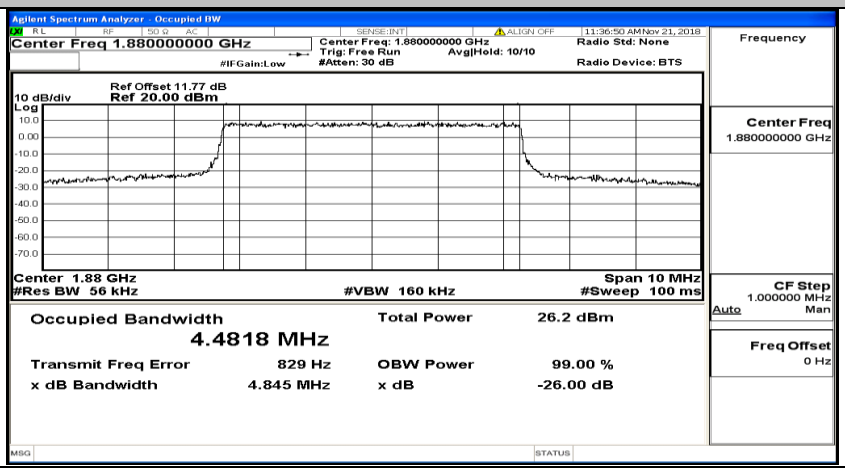
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



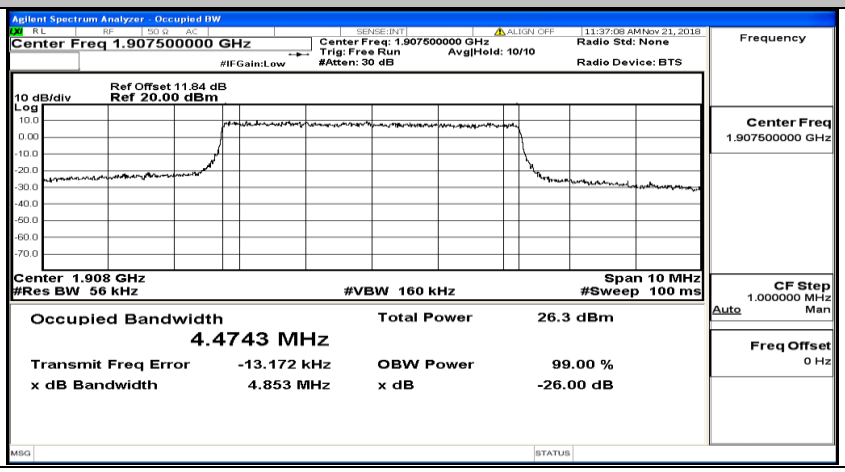
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



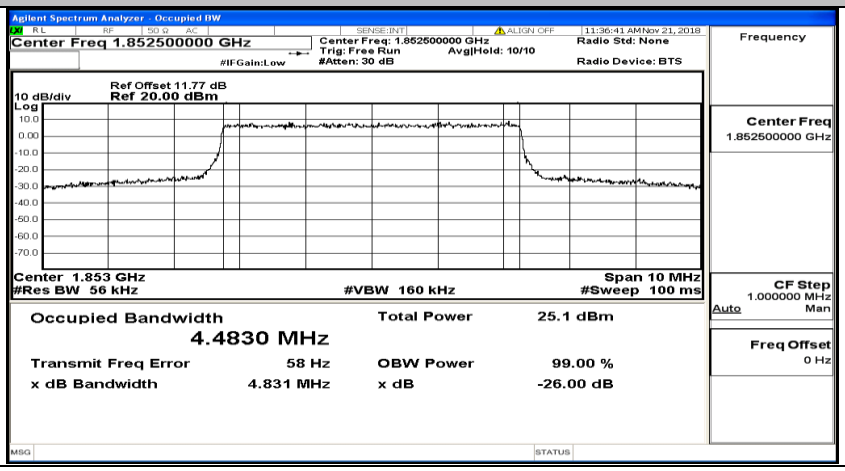
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



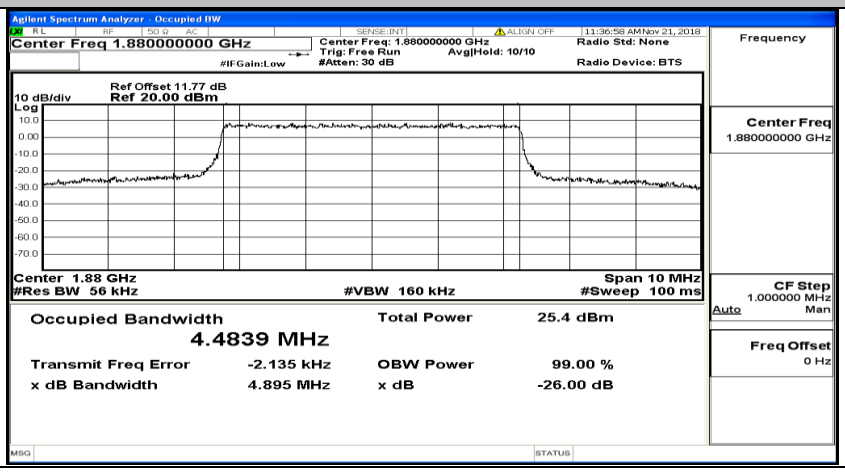
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



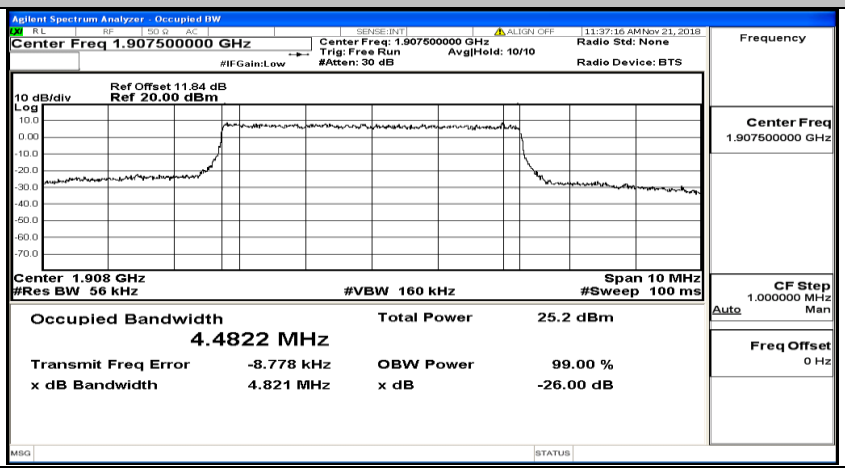
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



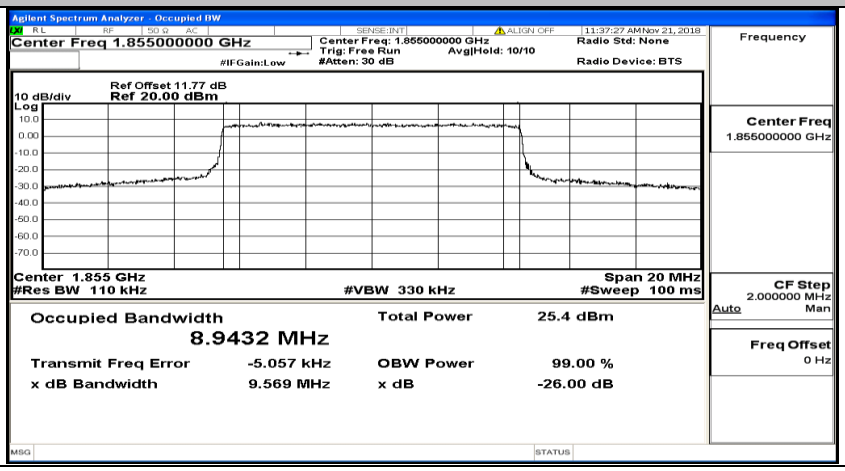
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



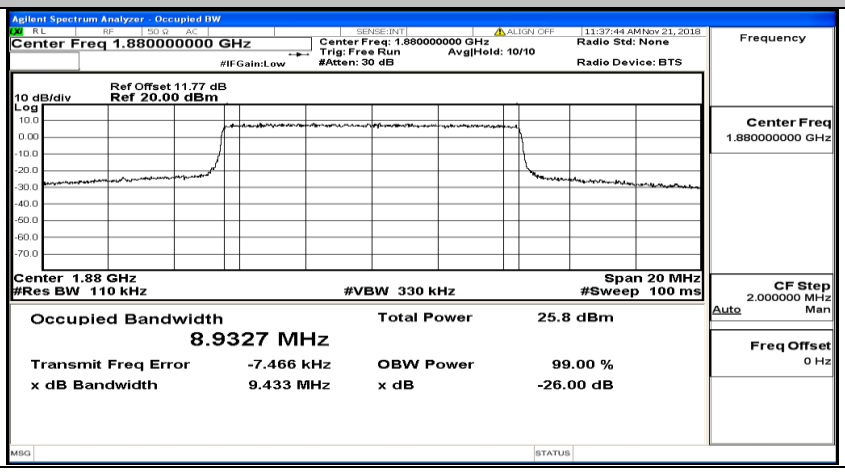
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



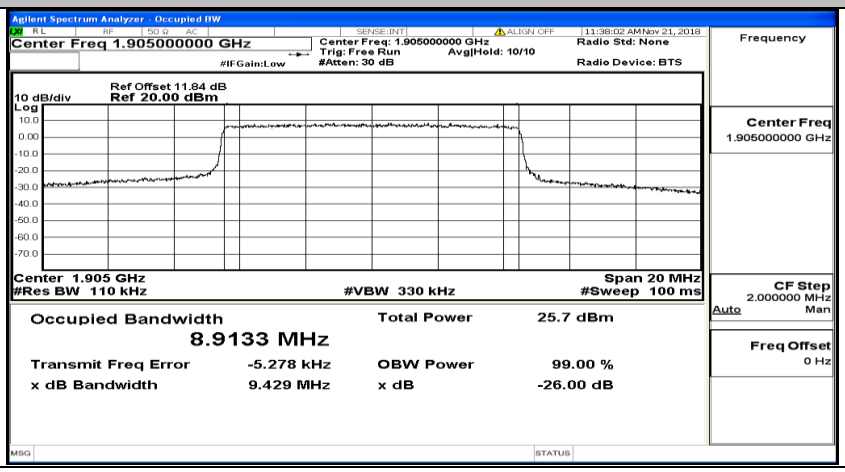
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



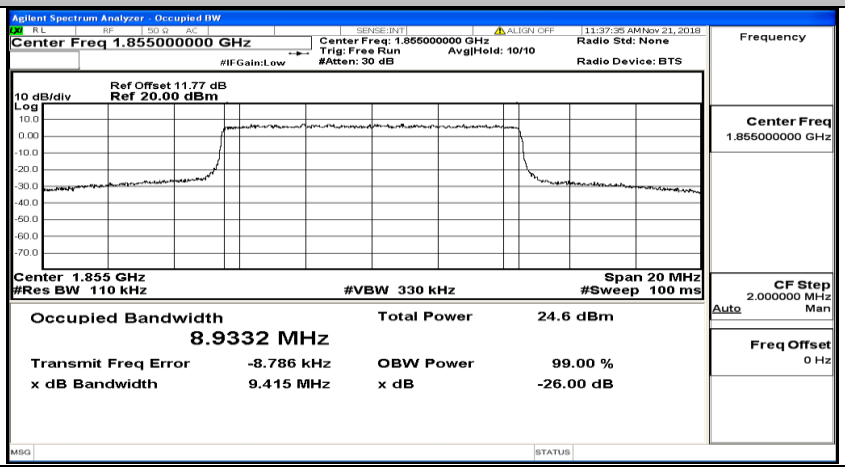
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



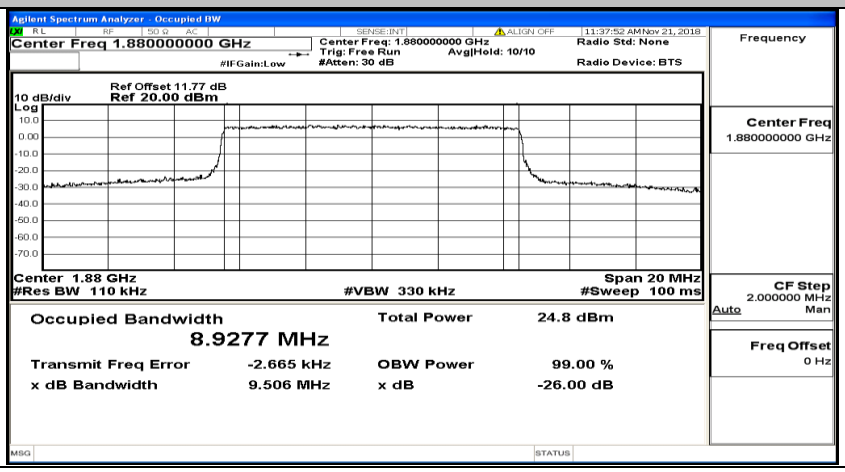
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



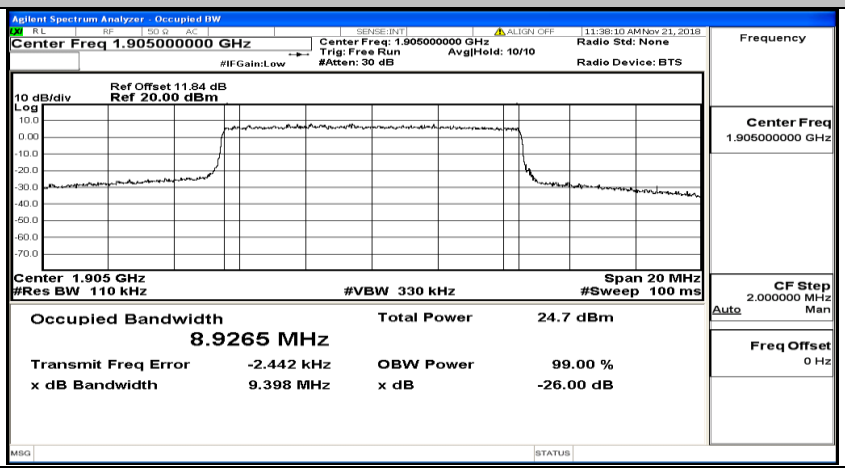
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



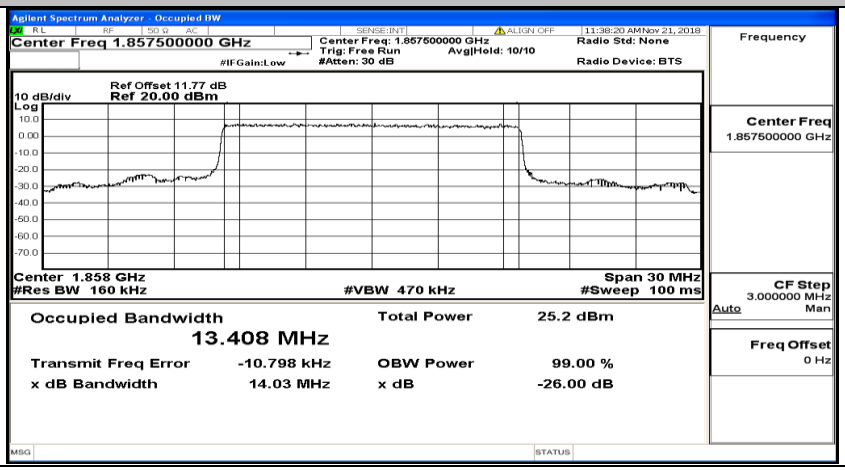
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



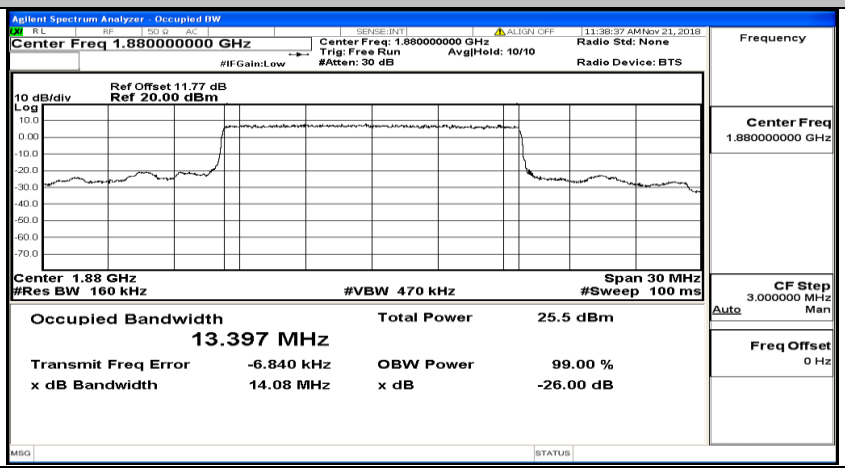
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



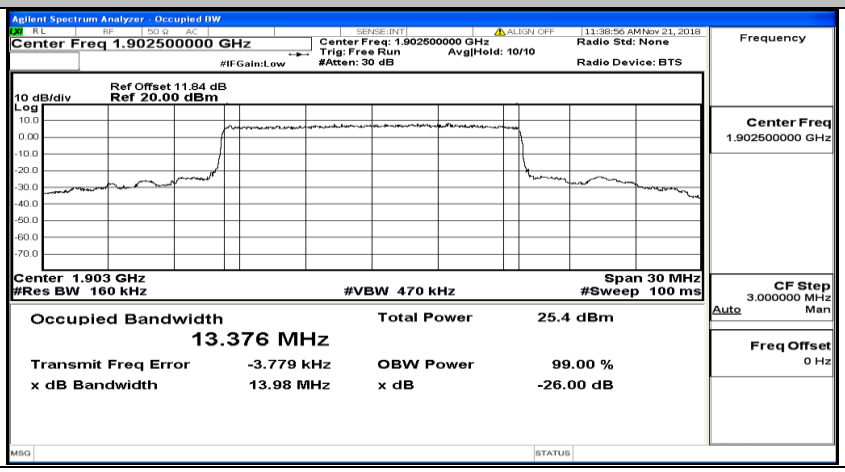
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



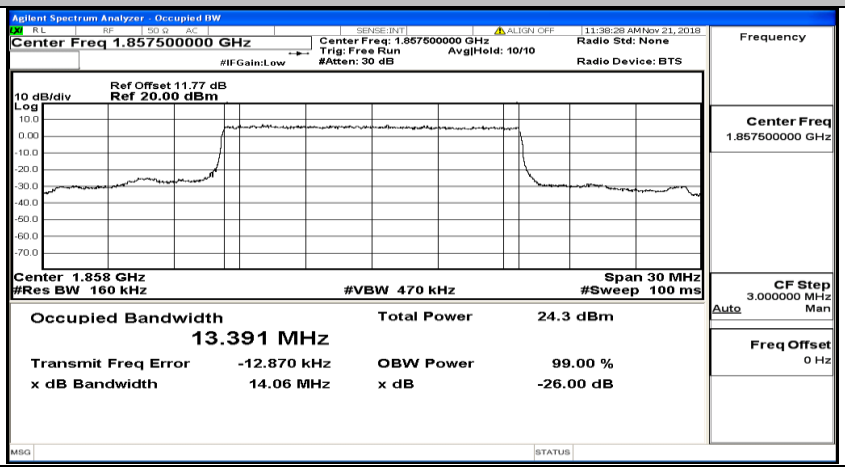
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



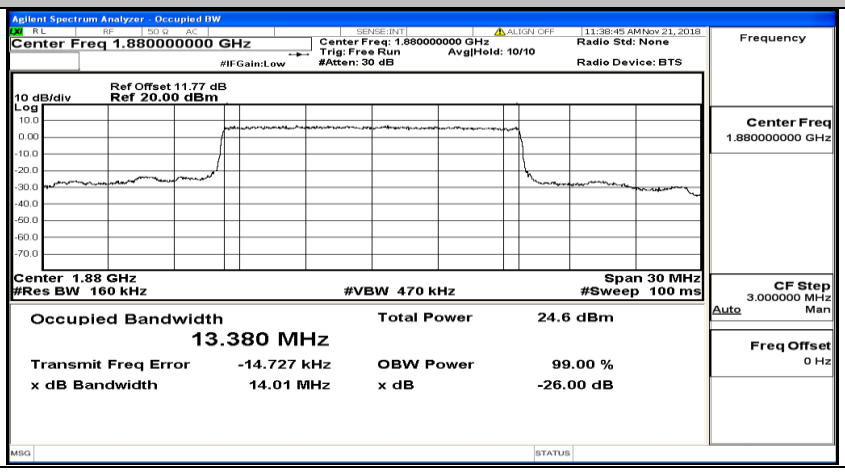
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



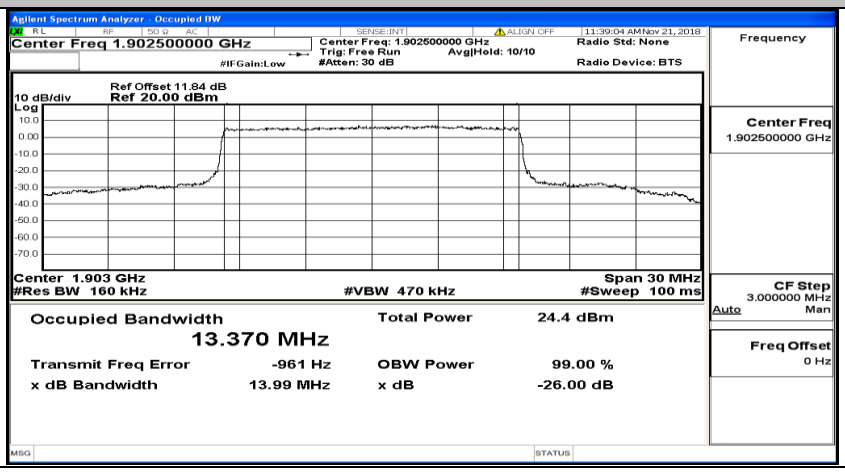
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



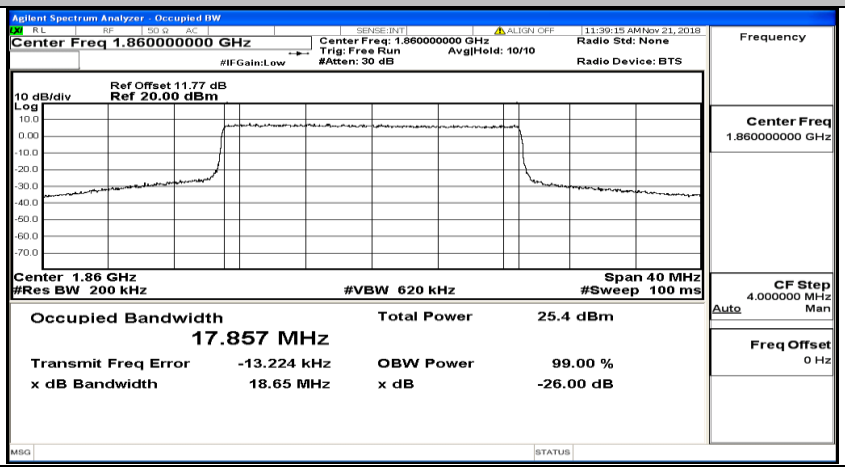
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



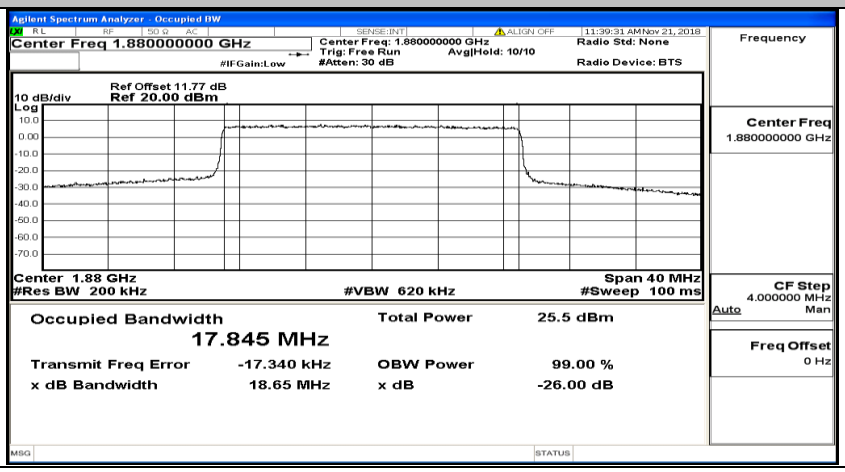
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



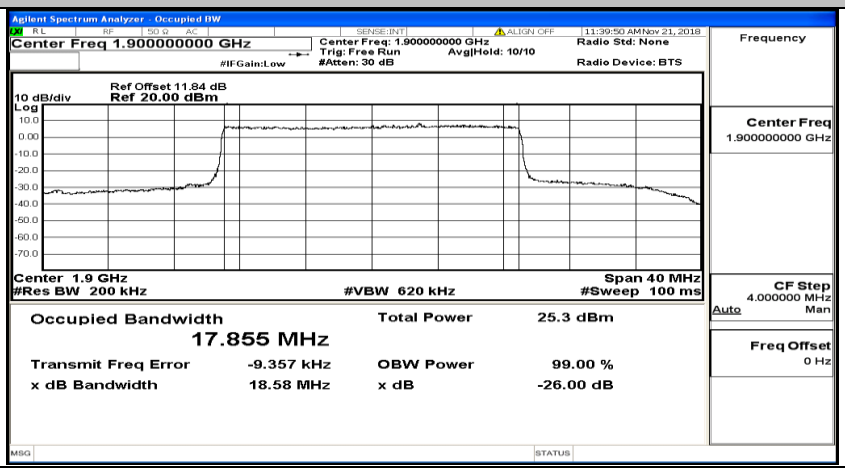
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



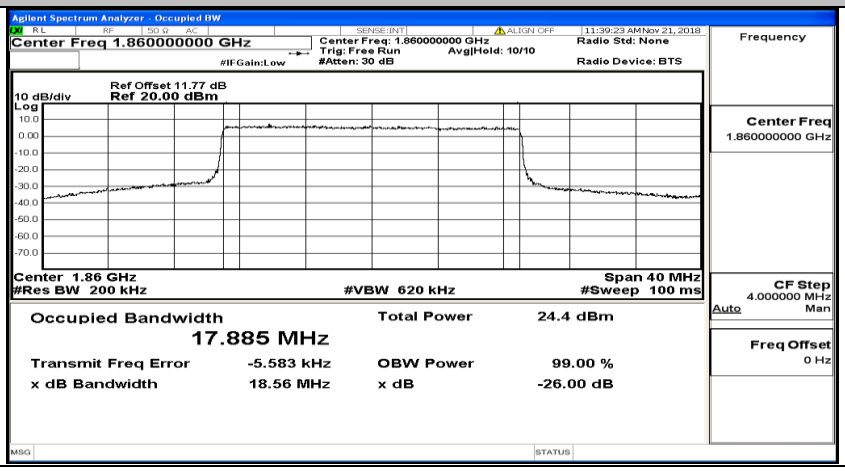
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



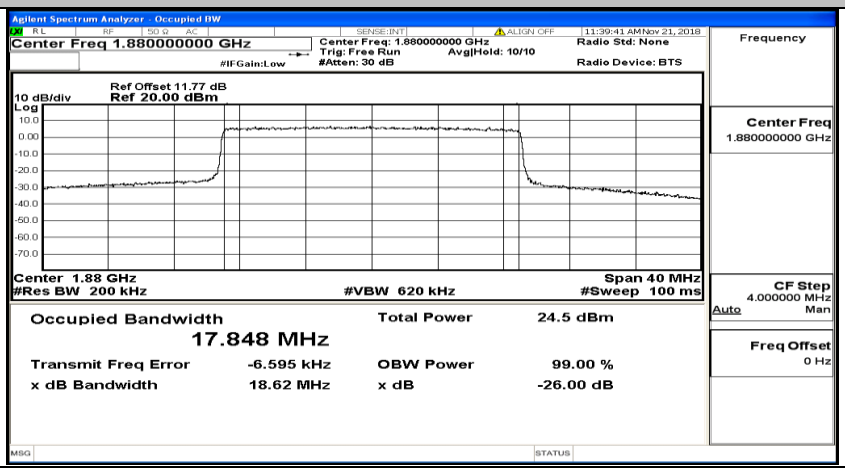
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



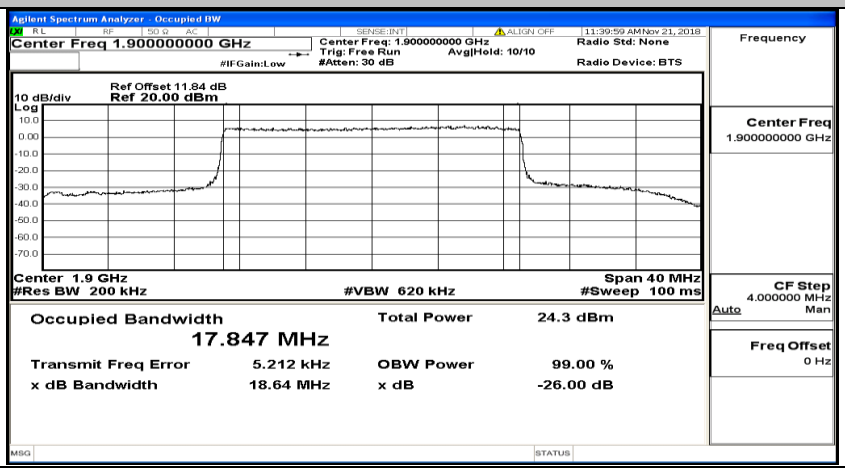
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM

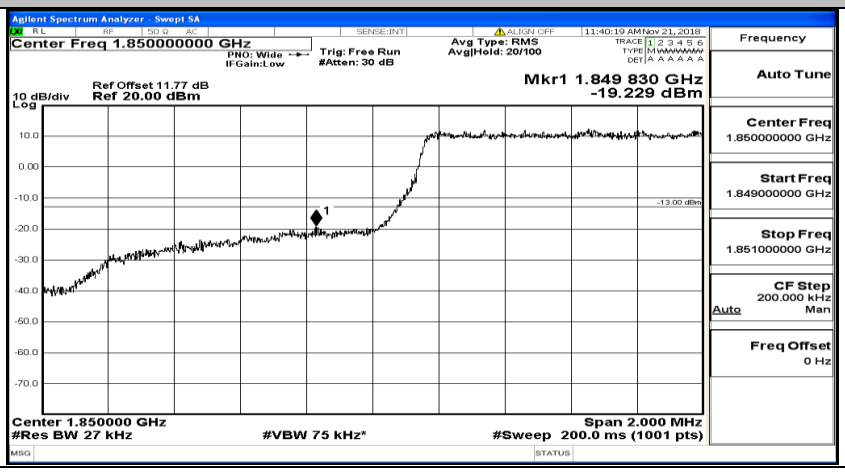


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

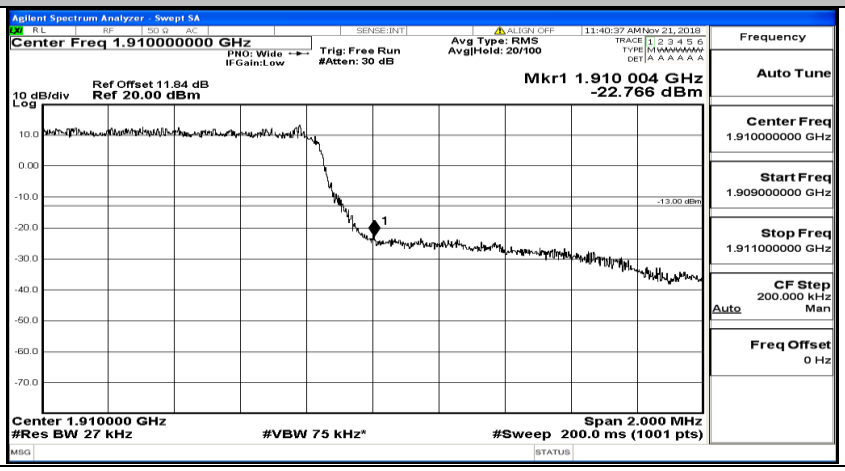


A.4 Band Edge

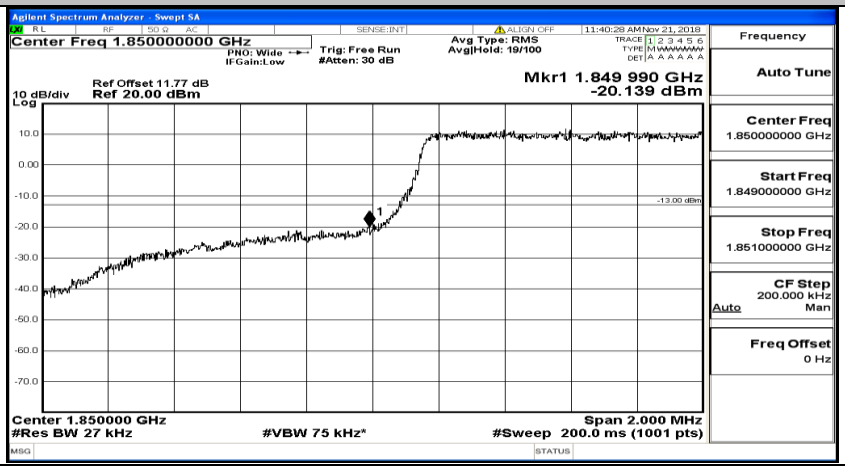
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



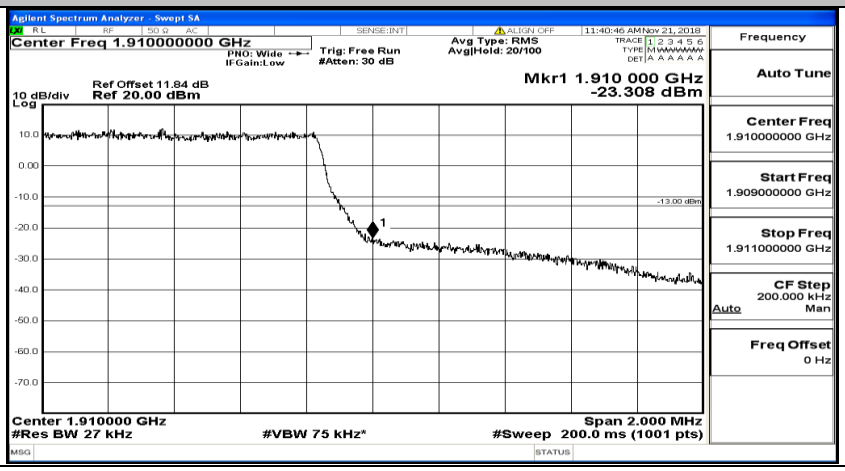
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



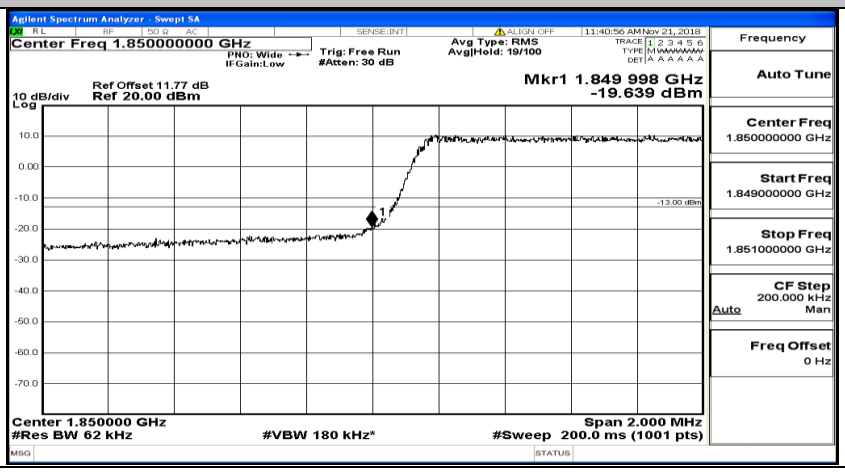
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



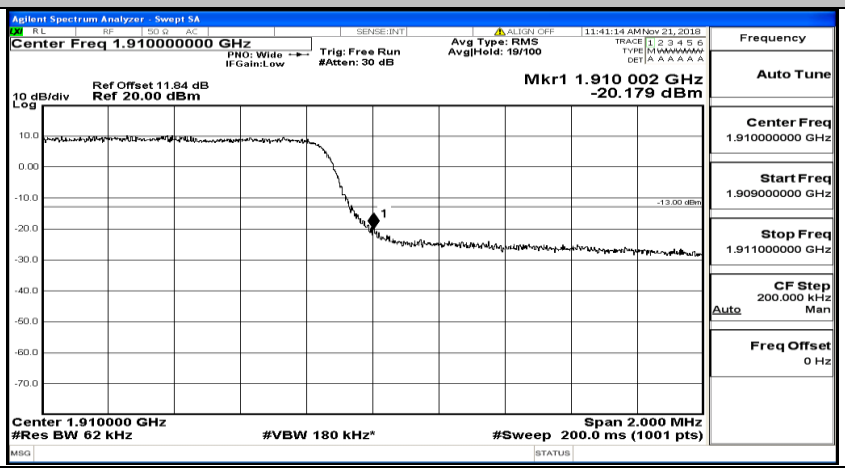
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



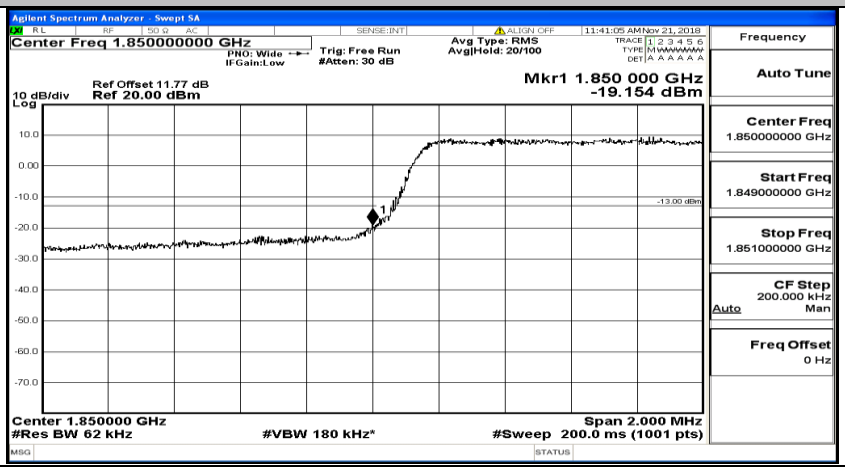
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



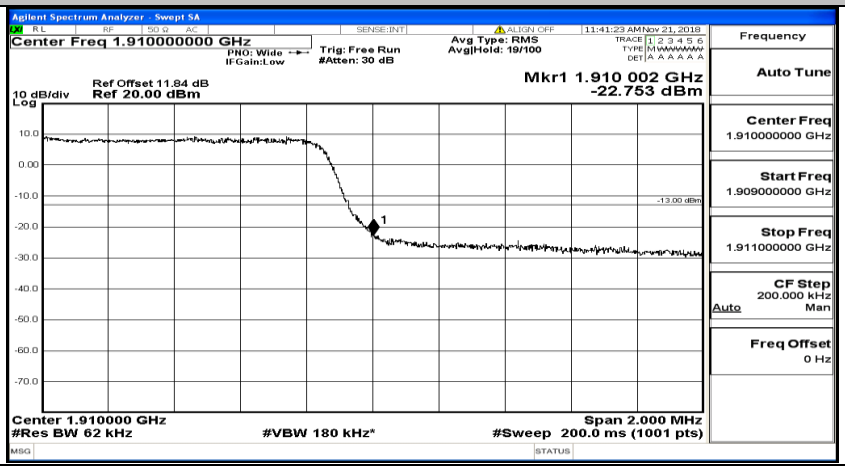
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



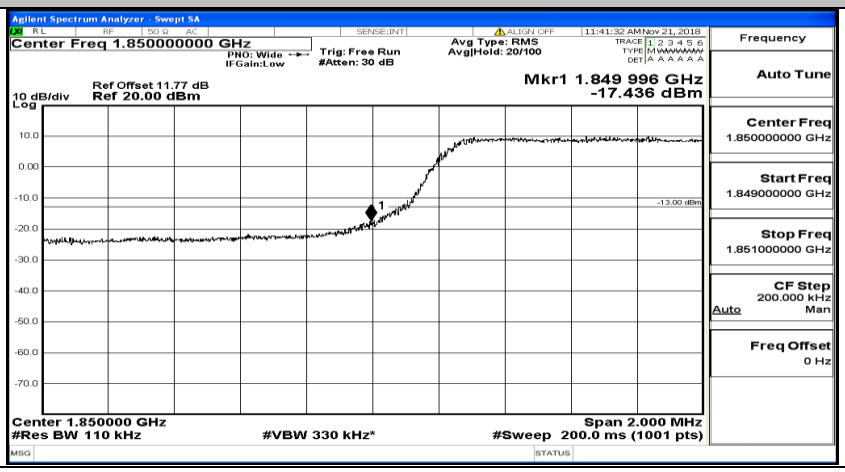
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



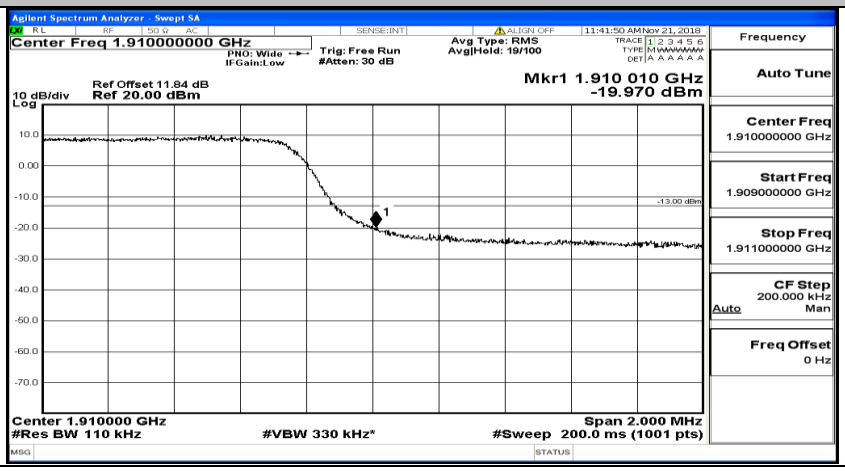
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



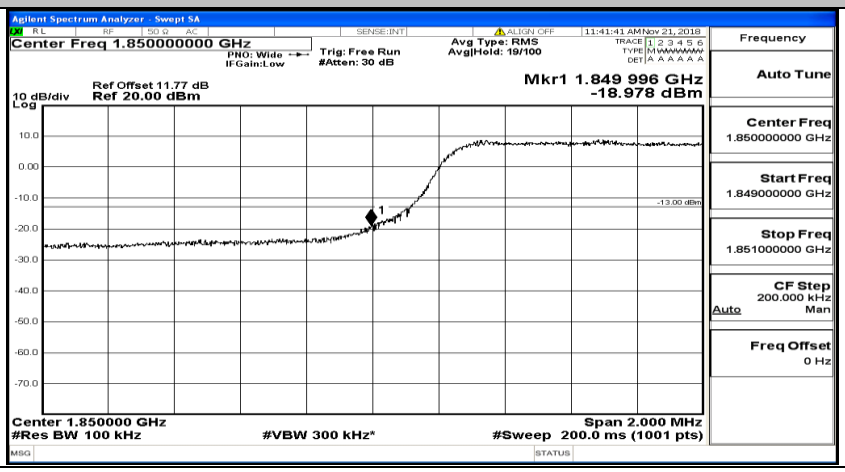
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



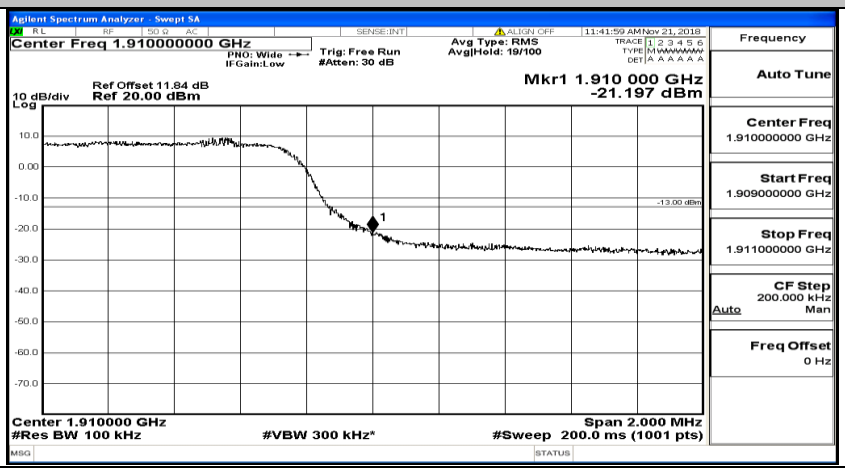
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



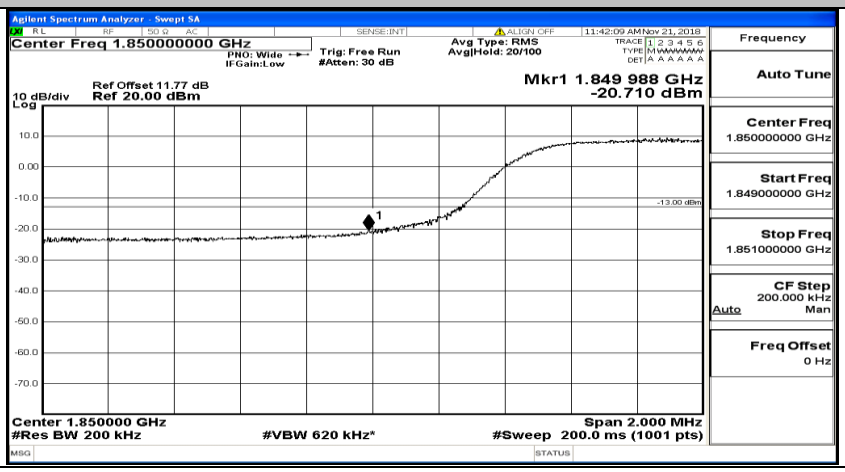
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



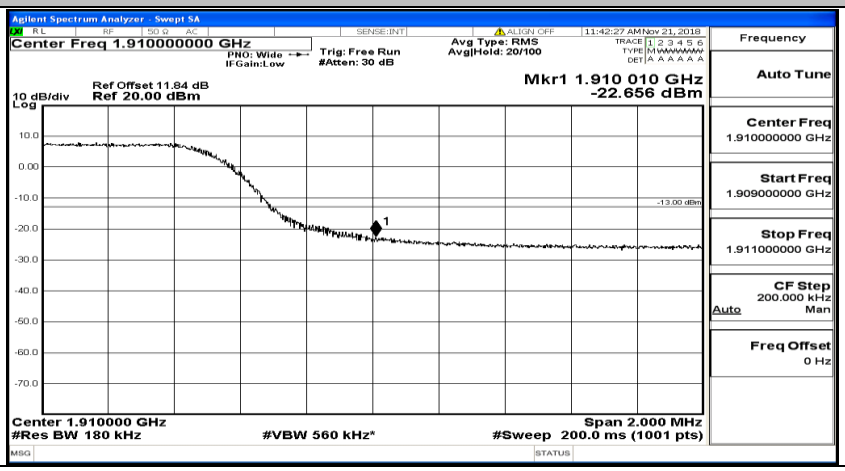
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



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