

Appendix C: Test Data for E-UTRA Band 12

Product Name: AW1-A

Trade Mark: COVERT

Test Model: 5466

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Wang Chuang

C.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	19.32	18.52	PASS
		1	3	19.45	18.69	PASS
		1	5	19.25	18.40	PASS
		3	0	19.41	18.56	PASS
		3	2	19.39	18.50	PASS
		3	3	19.31	18.43	PASS
		6	0	18.32	17.30	PASS
	MCH	1	0	18.93	18.26	PASS
		1	3	18.96	18.40	PASS
		1	5	18.92	18.28	PASS
		3	0	18.96	17.95	PASS
		3	2	18.98	18.04	PASS
		3	3	18.97	17.99	PASS
		6	0	17.96	16.96	PASS
	HCH	1	0	18.95	18.15	PASS
		1	3	19.09	18.29	PASS
		1	5	18.85	18.09	PASS
		3	0	19.04	18.03	PASS
		3	2	19.07	18.00	PASS
		3	3	18.98	18.00	PASS
		6	0	17.95	17.09	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	19.32	18.64	PASS
		1	7	19.38	18.71	PASS
		1	14	19.14	18.34	PASS
		8	0	18.25	17.38	PASS
		8	4	18.15	17.34	PASS
		8	7	18.10	17.21	PASS
		15	0	18.18	17.13	PASS
	MCH	1	0	19.05	18.20	PASS
		1	7	19.02	18.37	PASS
		1	14	18.88	18.20	PASS
		8	0	17.99	16.99	PASS
		8	4	18.03	17.07	PASS
		8	7	17.94	16.97	PASS
		15	0	17.91	16.87	PASS
	HCH	1	0	18.79	18.14	PASS
		1	7	19.19	18.51	PASS
		1	14	18.87	18.24	PASS
		8	0	17.84	16.92	PASS
		8	4	17.87	16.95	PASS
		8	7	17.96	16.92	PASS
		15	0	17.84	16.83	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	19.21	18.65	PASS
		1	12	19.14	18.74	PASS
		1	24	18.84	18.16	PASS
		12	0	18.14	17.35	PASS
		12	6	18.08	17.29	PASS
		12	13	18.08	17.27	PASS
		25	0	18.16	17.20	PASS
	MCH	1	0	18.97	18.26	PASS
		1	12	19.21	18.55	PASS
		1	24	18.74	18.17	PASS
		12	0	17.96	17.14	PASS
		12	6	18.03	17.18	PASS
		12	13	17.82	16.98	PASS
		25	0	17.91	16.94	PASS
	HCH	1	0	18.88	17.88	PASS
		1	12	18.98	18.02	PASS
		1	24	18.81	17.81	PASS
		12	0	17.84	16.85	PASS
		12	6	17.88	16.93	PASS
		12	13	17.95	17.01	PASS
		25	0	17.93	16.97	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	19.27	18.63	PASS
		1	24	19.08	18.45	PASS
		1	49	18.90	18.14	PASS
		25	0	17.93	16.93	PASS
		25	12	17.97	16.99	PASS
		25	25	18.03	17.02	PASS
		50	0	17.90	16.90	PASS
	MCH	1	0	18.85	18.11	PASS
		1	24	19.12	18.39	PASS
		1	49	18.88	18.18	PASS
		25	0	17.88	16.91	PASS
		25	12	18.00	17.01	PASS
		25	25	17.76	16.83	PASS
		50	0	17.84	16.84	PASS
	HCH	1	0	18.86	18.19	PASS
		1	24	19.01	18.45	PASS
		1	49	18.75	18.18	PASS
		25	0	18.21	17.25	PASS
		25	12	17.91	16.98	PASS
		25	25	17.89	16.93	PASS
		50	0	18.05	17.11	PASS

C.2 Peak-to-Average Ratio

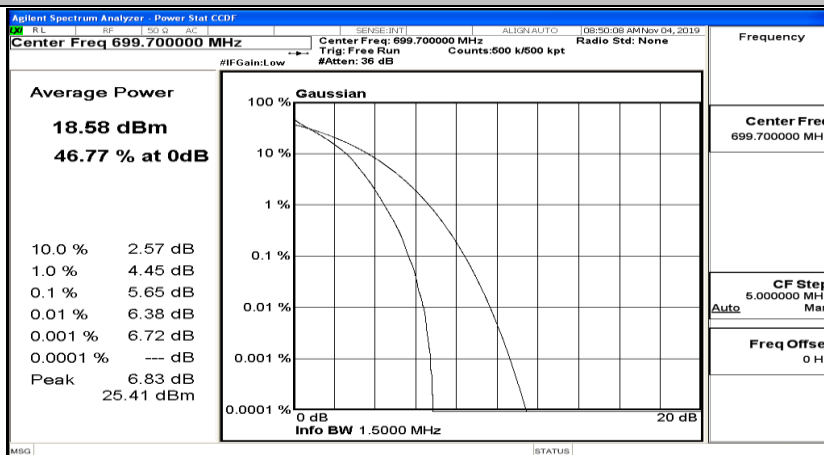
Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.65	<13	PASS
	MCH	5.21	<13	PASS
	HCH	5.28	<13	PASS
16QAM	LCH	6.6	<13	PASS
	MCH	6.1	<13	PASS
	HCH	6.16	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.62	<13	PASS
	MCH	5.33	<13	PASS
	HCH	5.51	<13	PASS
16QAM	LCH	6.56	<13	PASS
	MCH	6.27	<13	PASS
	HCH	6.24	<13	PASS

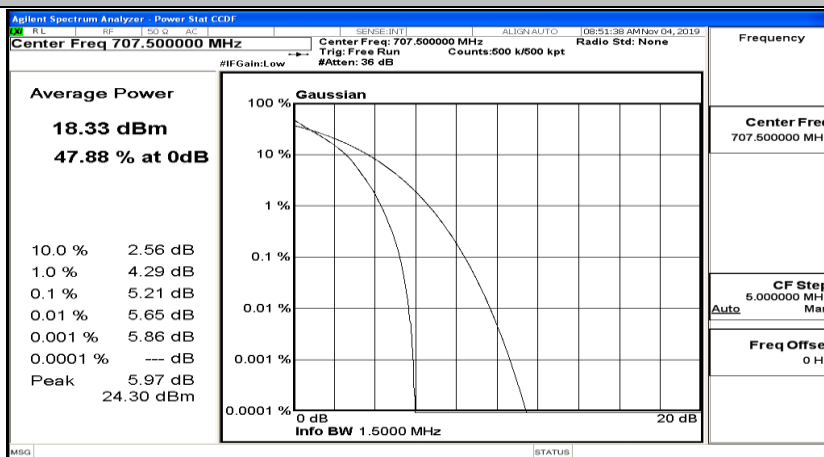
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.69	<13	PASS
	MCH	5.38	<13	PASS
	HCH	5.59	<13	PASS
16QAM	LCH	6.44	<13	PASS
	MCH	6.14	<13	PASS
	HCH	6.31	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.48	<13	PASS
	MCH	5.34	<13	PASS
	HCH	5.65	<13	PASS
16QAM	LCH	6.17	<13	PASS
	MCH	6.15	<13	PASS
	HCH	6.33	<13	PASS

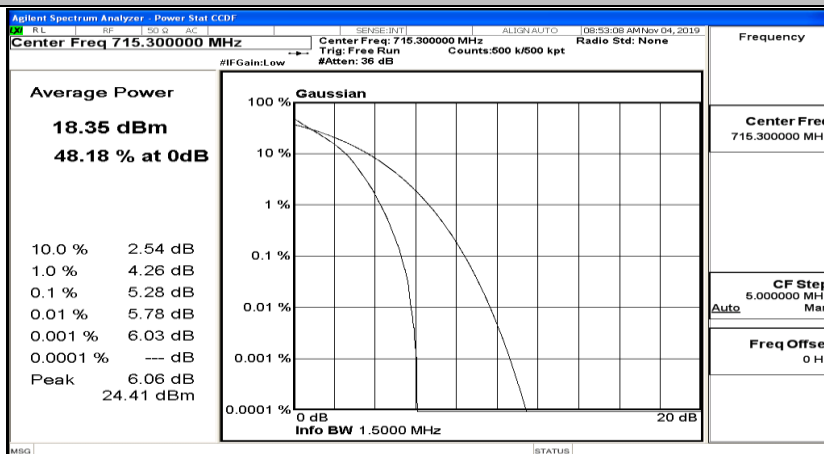
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



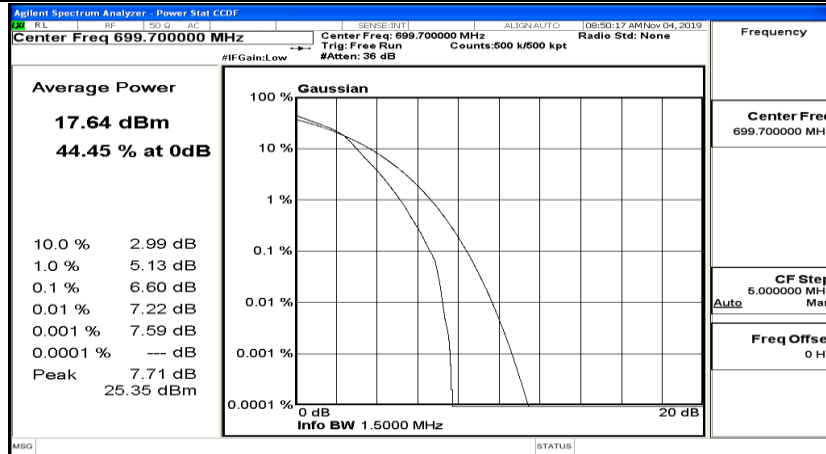
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



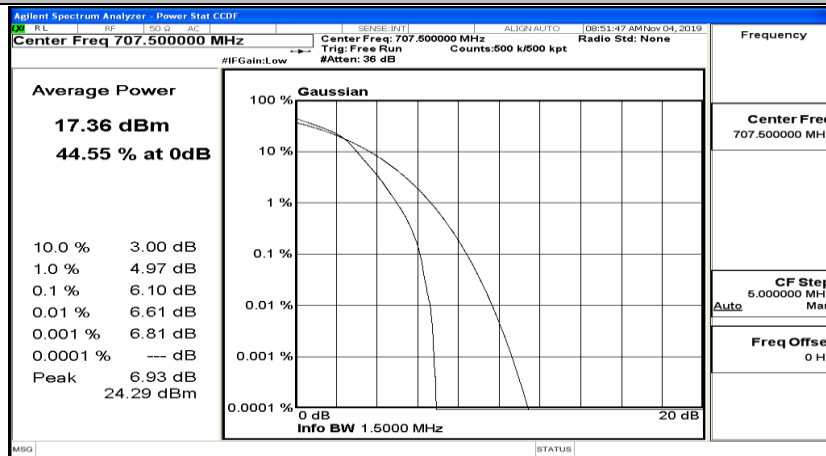
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



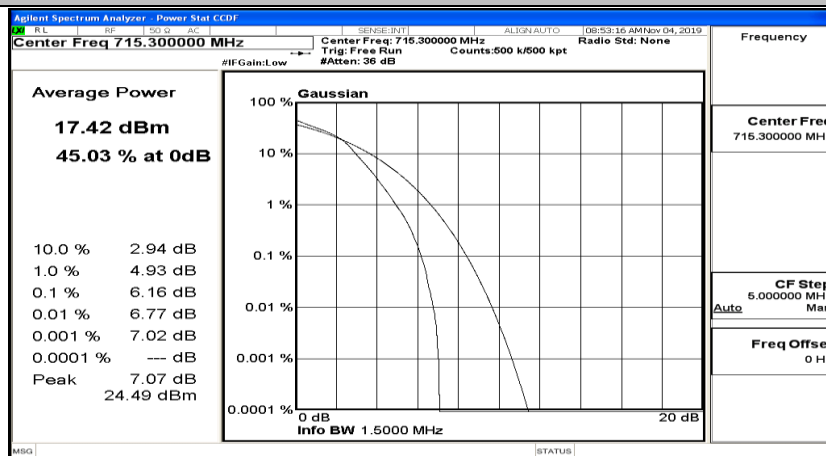
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



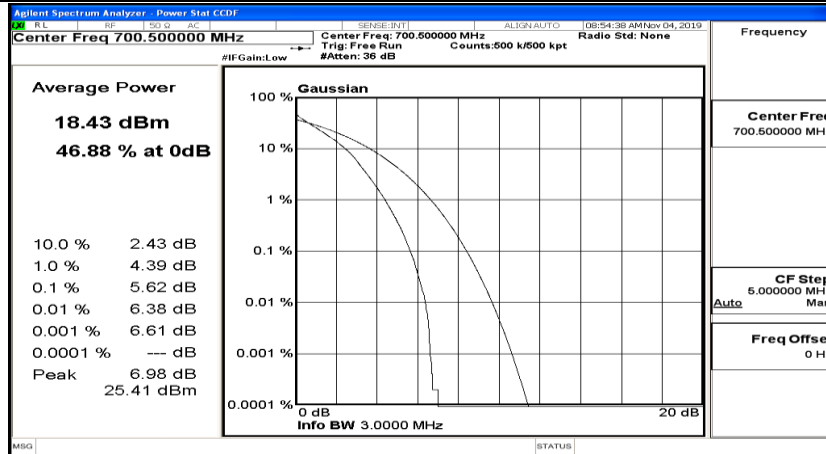
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



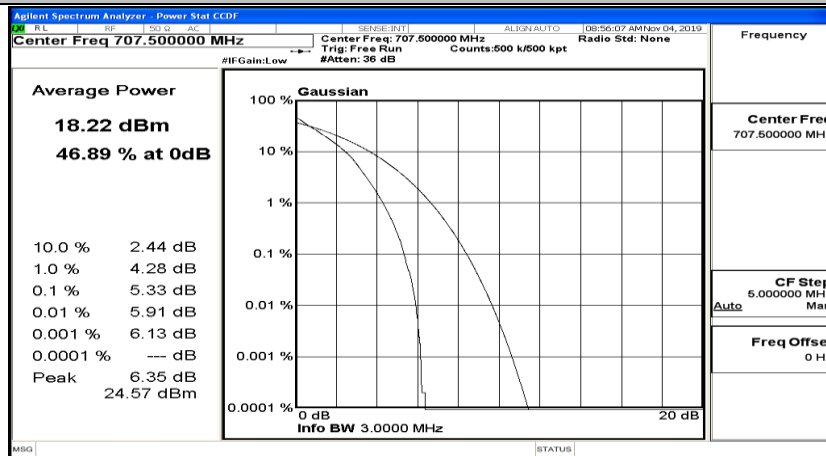
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



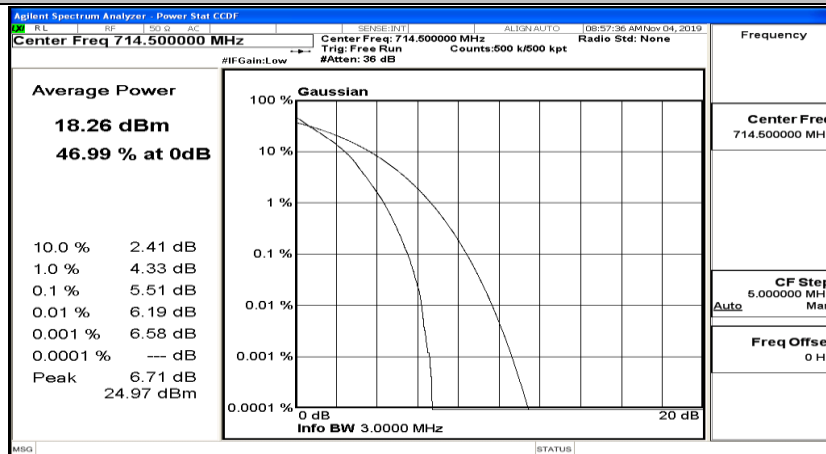
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



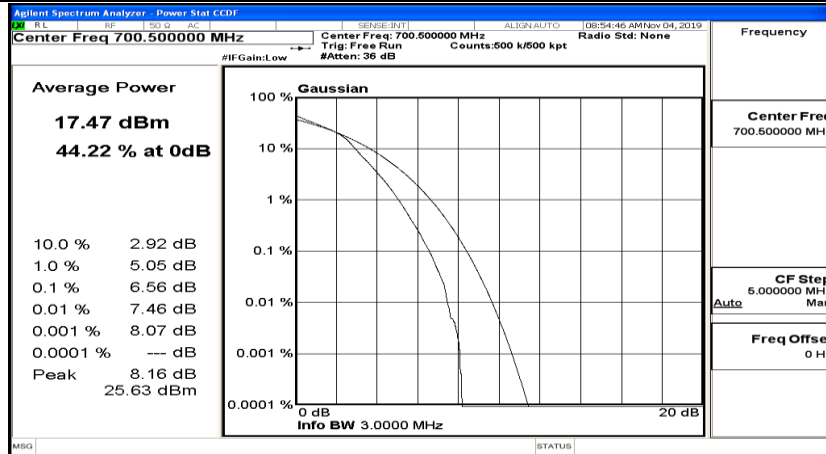
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



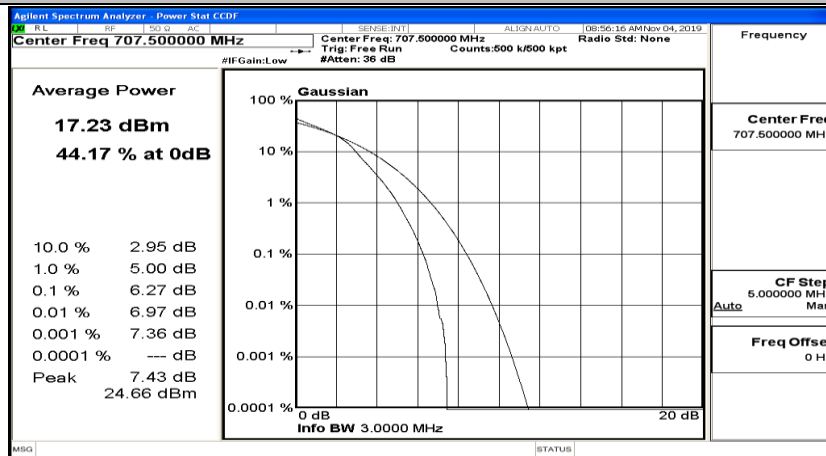
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



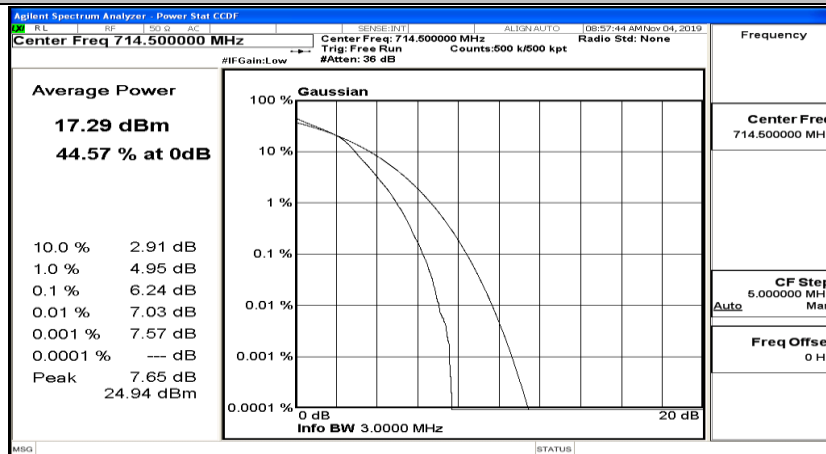
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



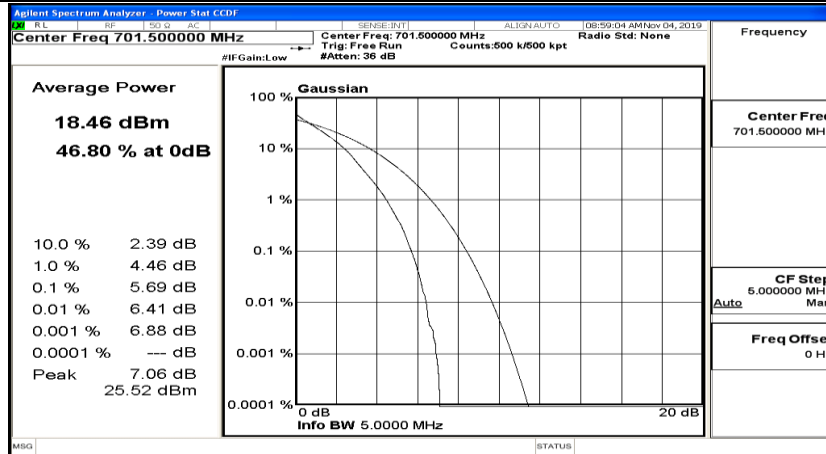
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



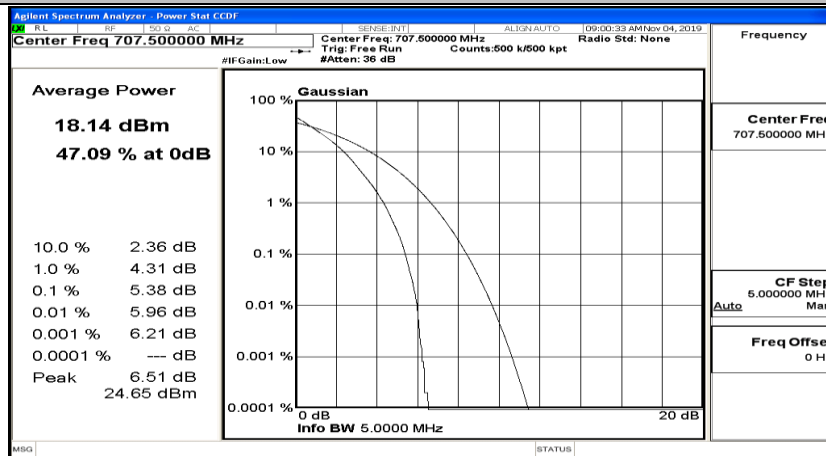
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



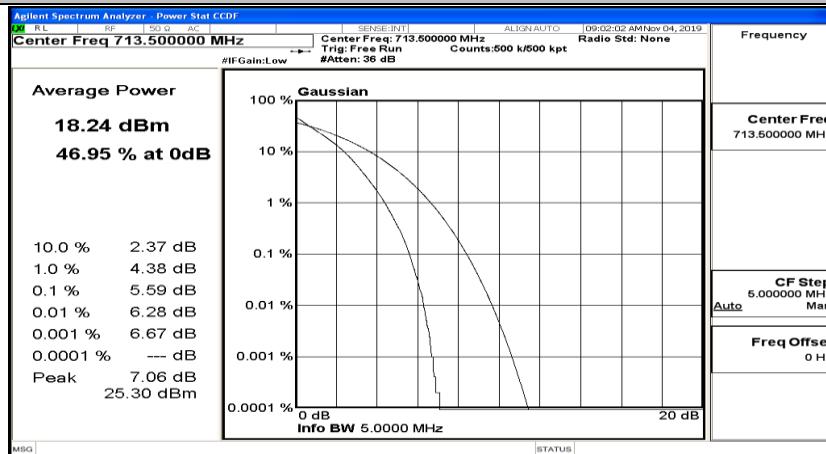
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



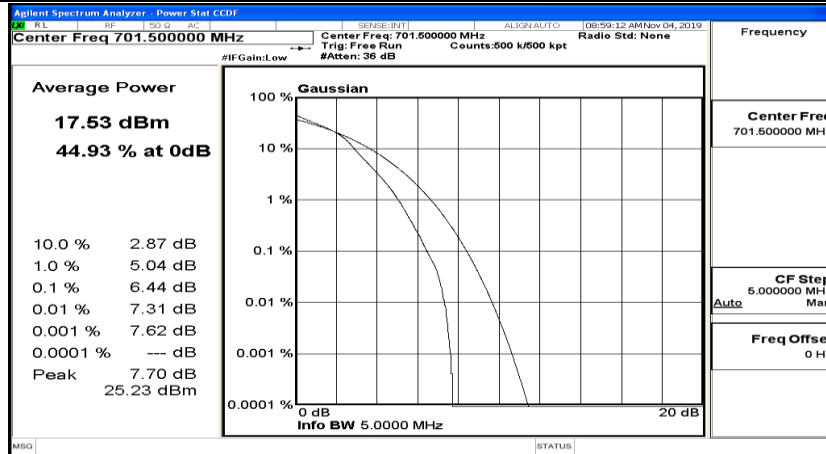
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



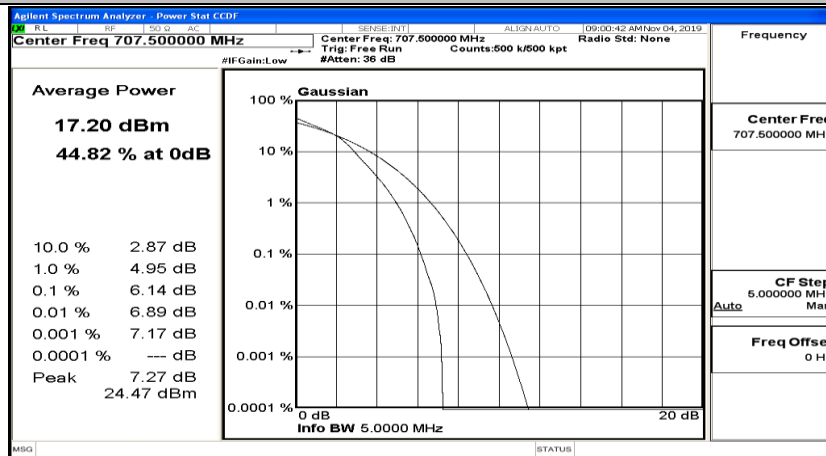
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



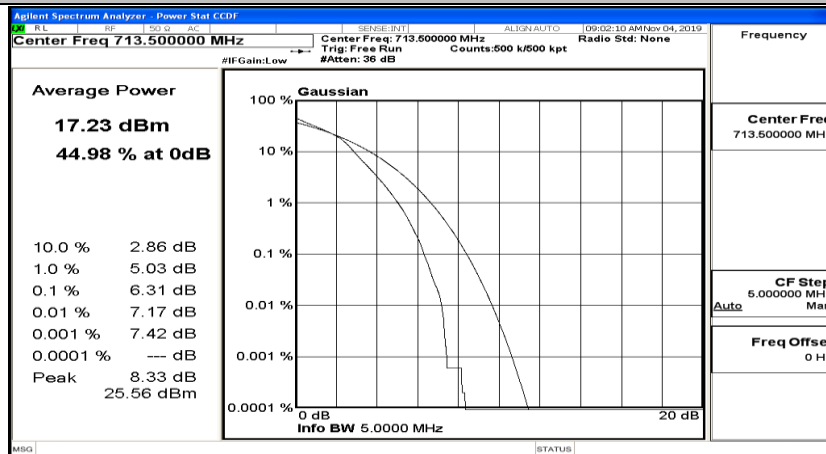
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



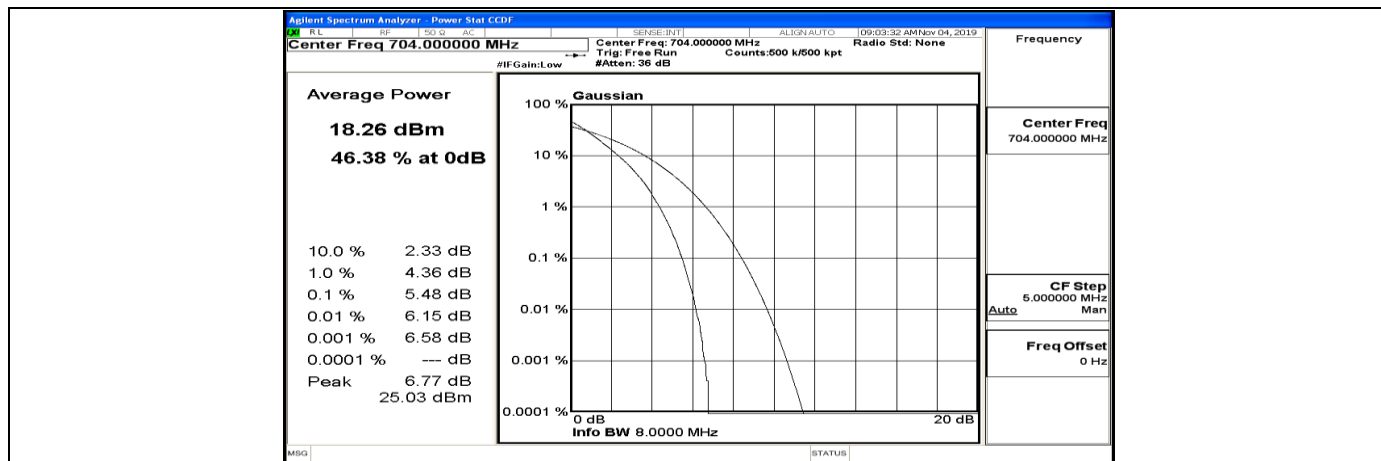
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



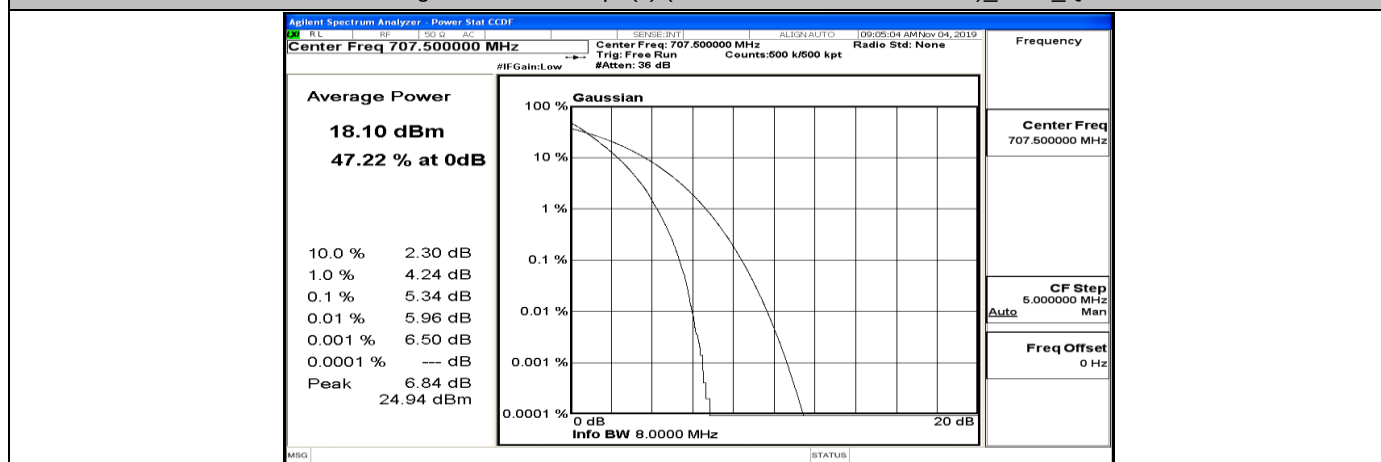
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



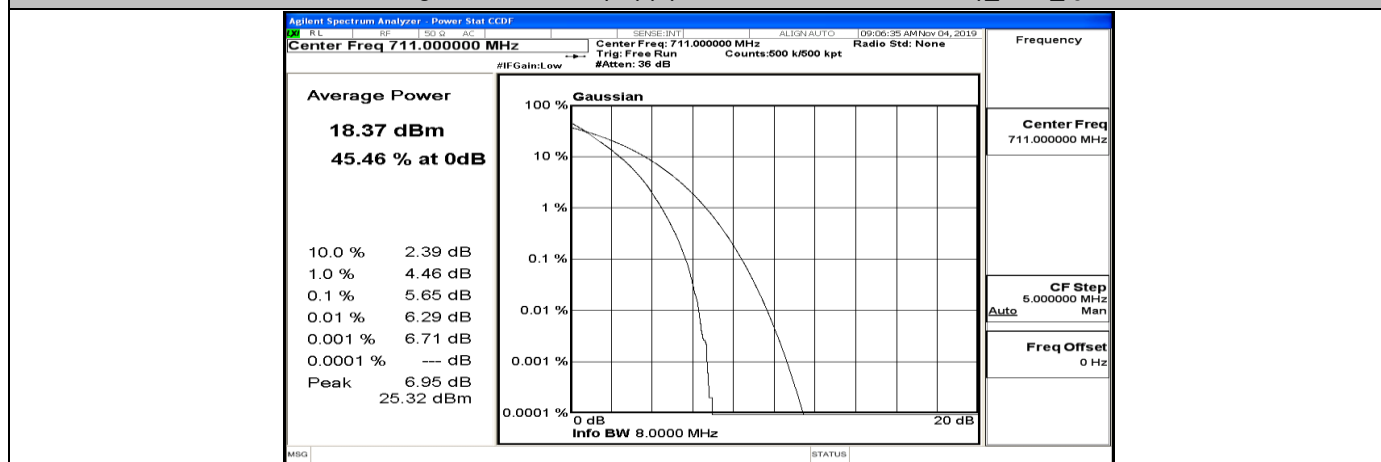
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



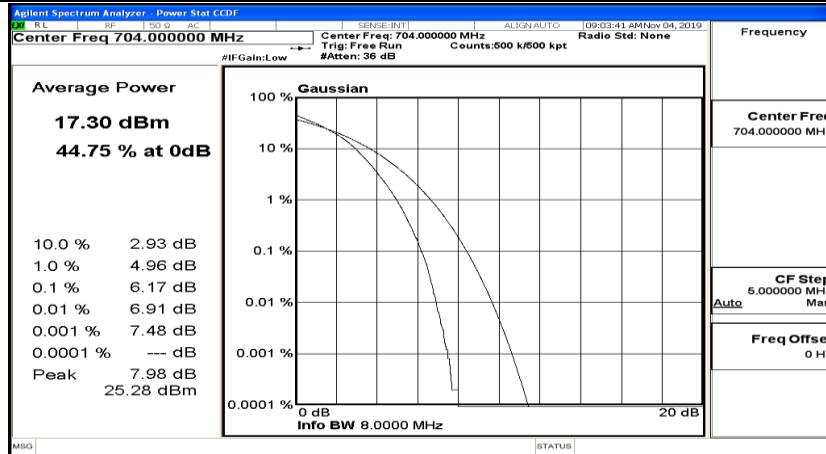
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



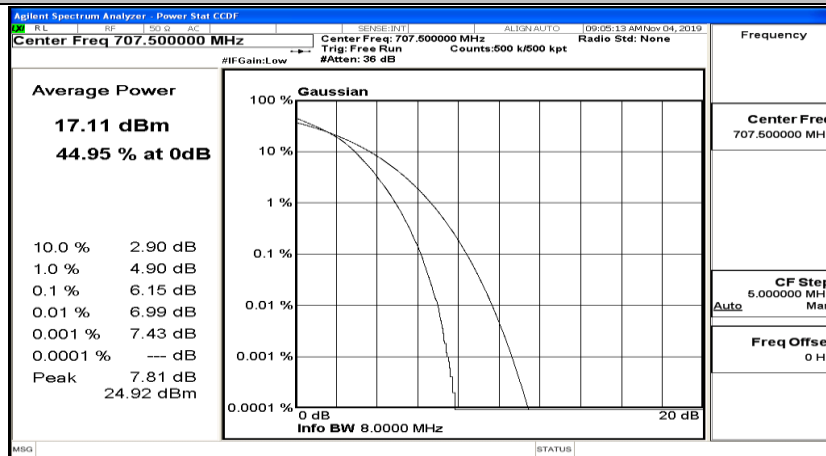
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



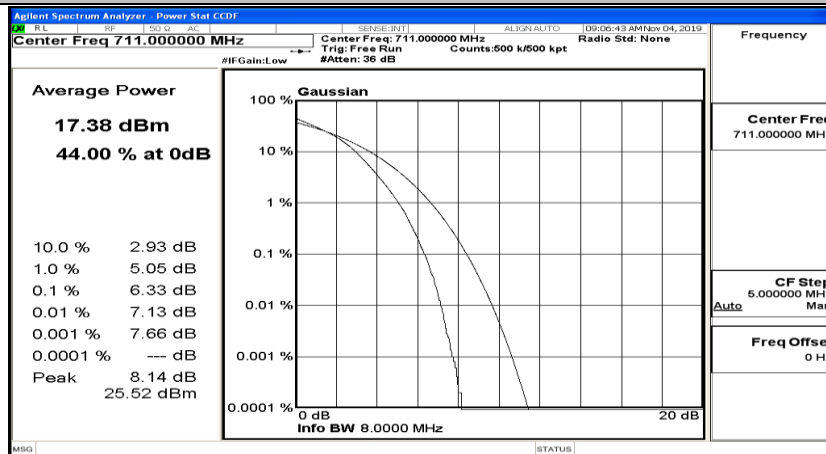
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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



C.3 26dB Bandwidth and Occupied Bandwidth

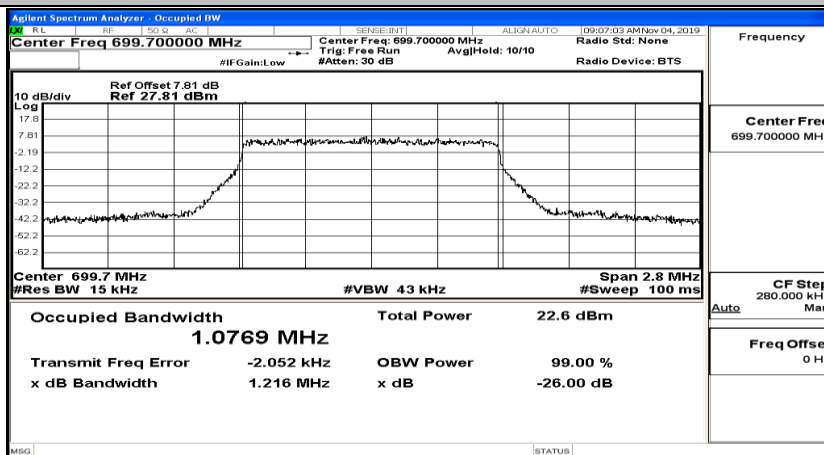
EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0769	1.216	PASS
	MCH	1.0743	1.214	PASS
	HCH	1.0774	1.212	PASS
16QAM	LCH	1.0791	1.239	PASS
	MCH	1.0781	1.244	PASS
	HCH	1.0741	1.212	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6798	2.829	PASS
	MCH	2.6788	2.832	PASS
	HCH	2.6803	2.840	PASS
16QAM	LCH	2.6813	2.827	PASS
	MCH	2.6746	2.836	PASS
	HCH	2.6847	2.831	PASS

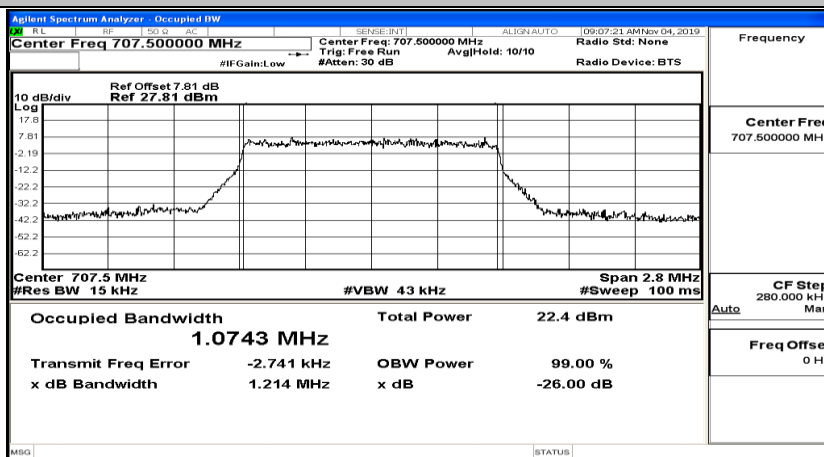
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4761	4.844	PASS
	MCH	4.4684	4.828	PASS
	HCH	4.4751	4.837	PASS
16QAM	LCH	4.4783	4.872	PASS
	MCH	4.4648	4.869	PASS
	HCH	4.4874	4.891	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9248	9.484	PASS
	MCH	8.9258	9.439	PASS
	HCH	8.9502	9.442	PASS
16QAM	LCH	8.9210	9.446	PASS
	MCH	8.9151	9.448	PASS
	HCH	8.9624	9.527	PASS

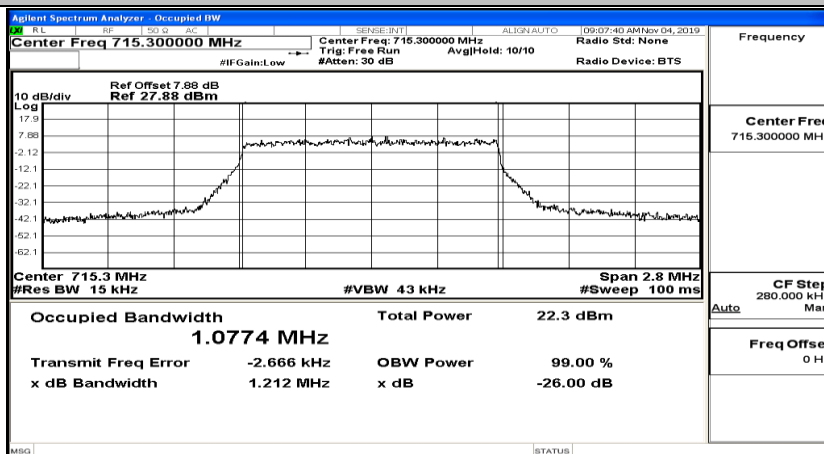
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



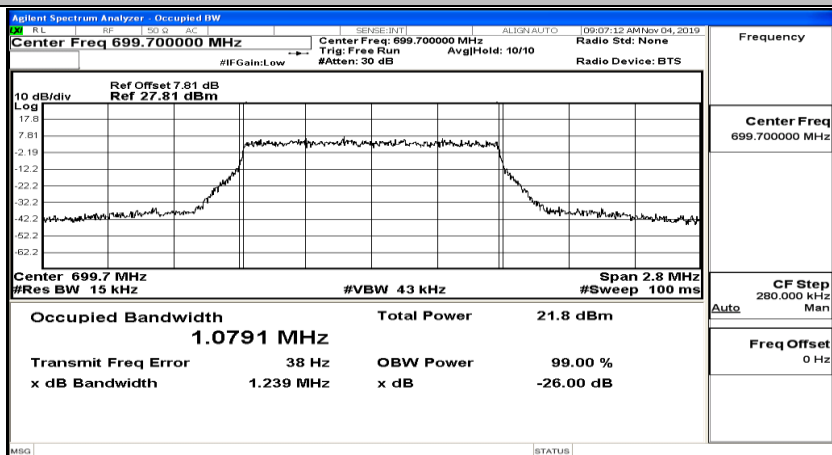
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



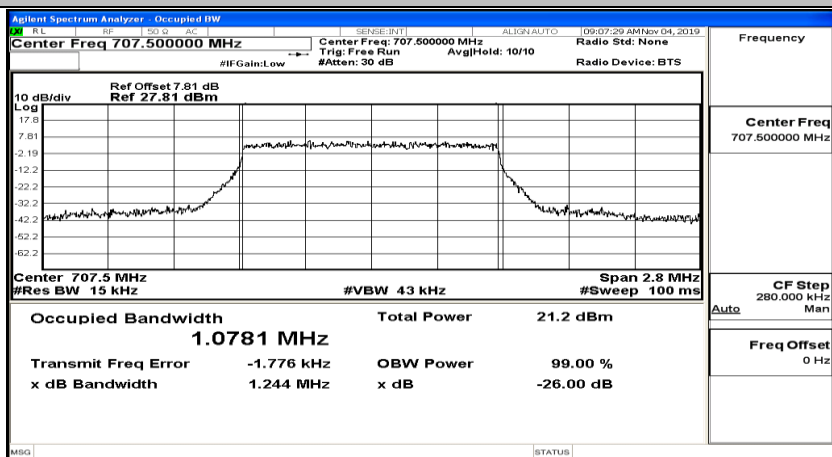
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



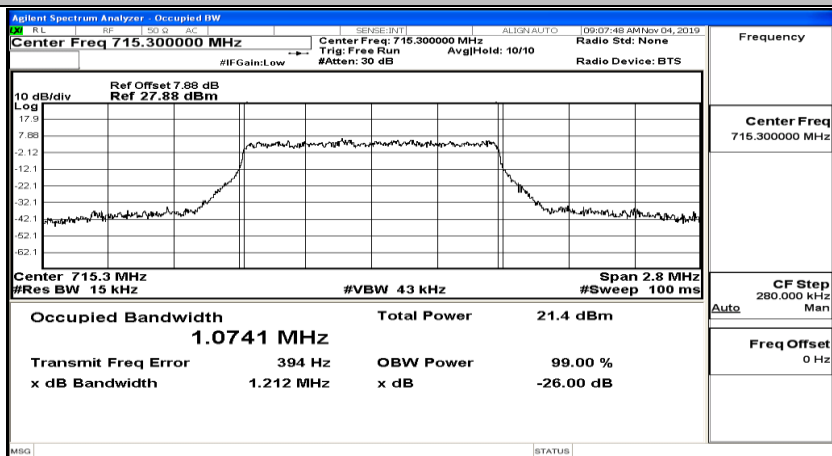
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



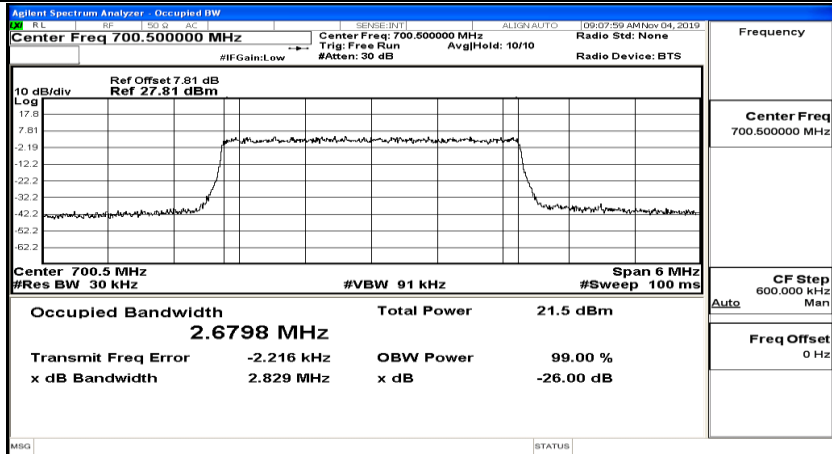
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



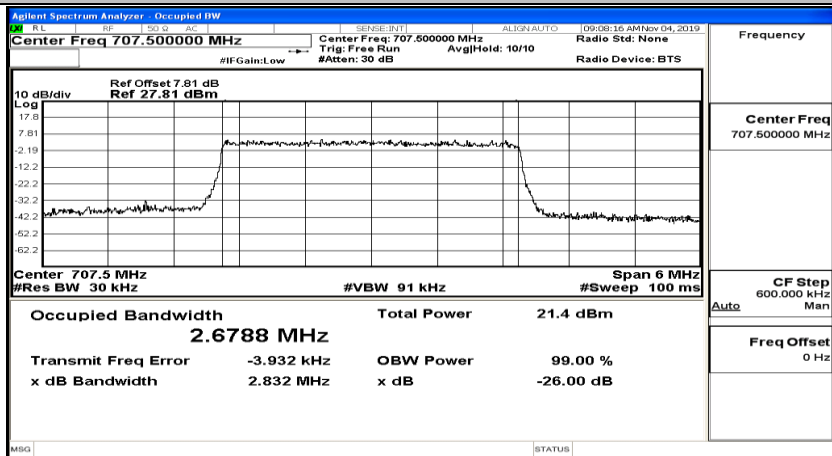
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



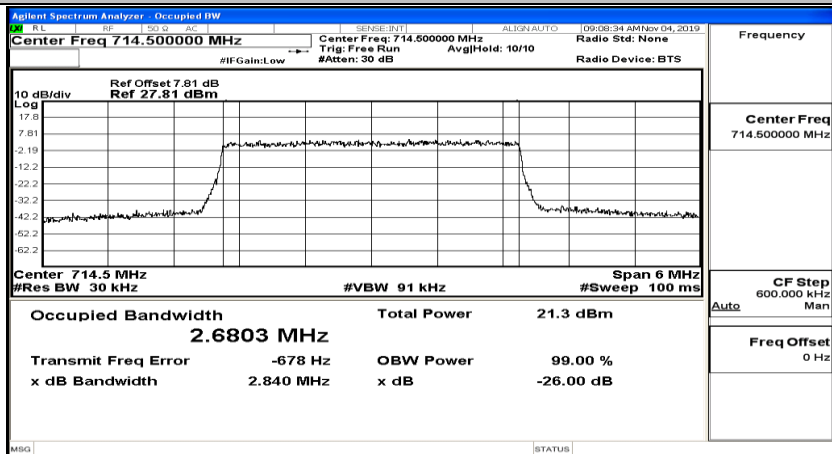
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



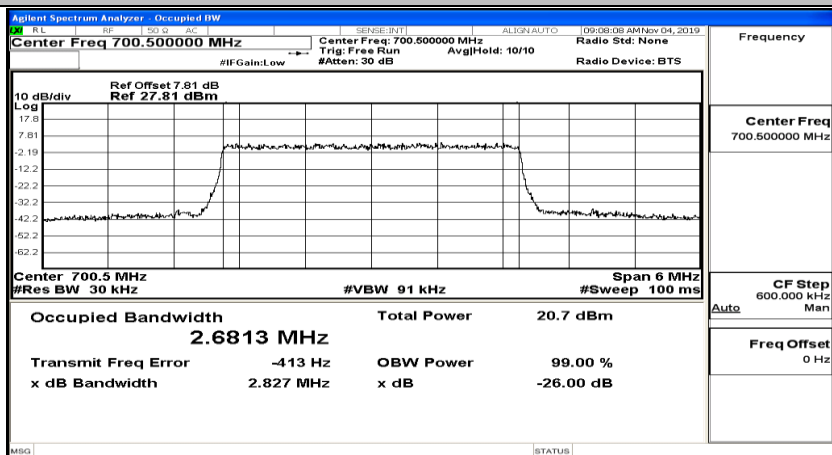
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



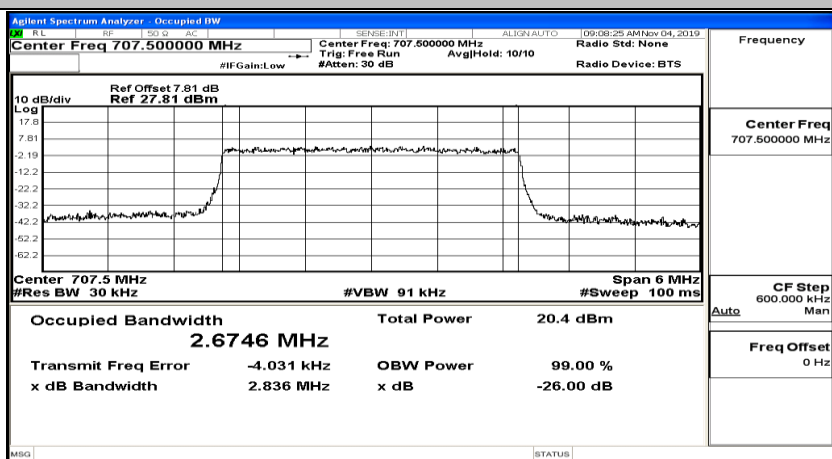
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



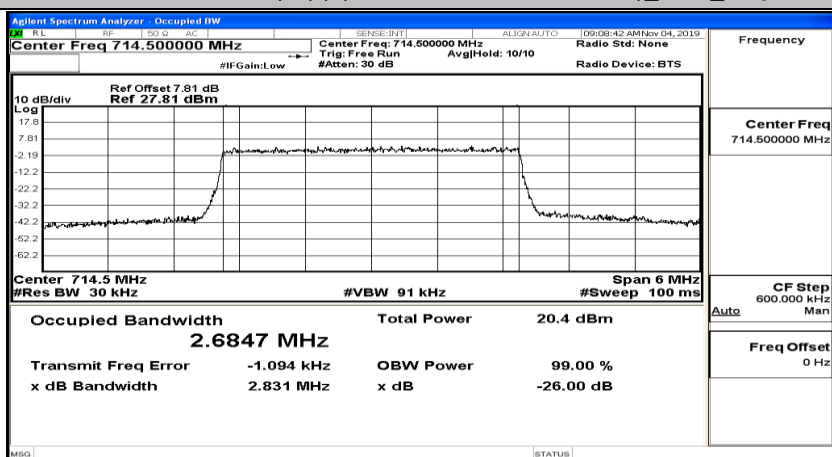
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



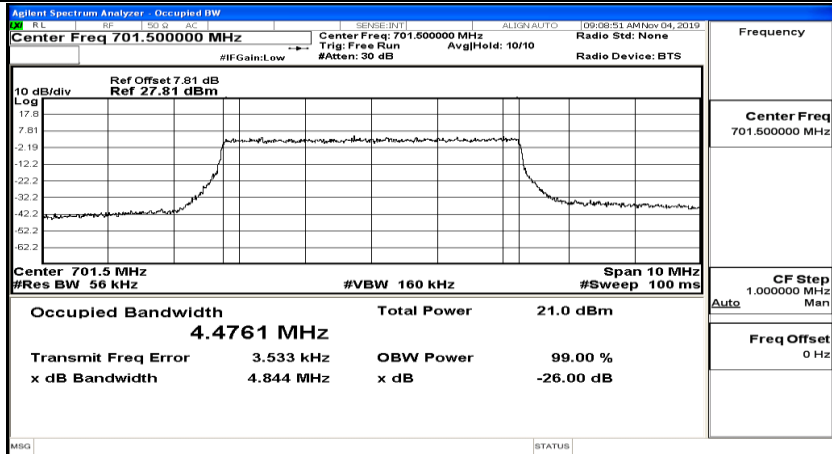
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



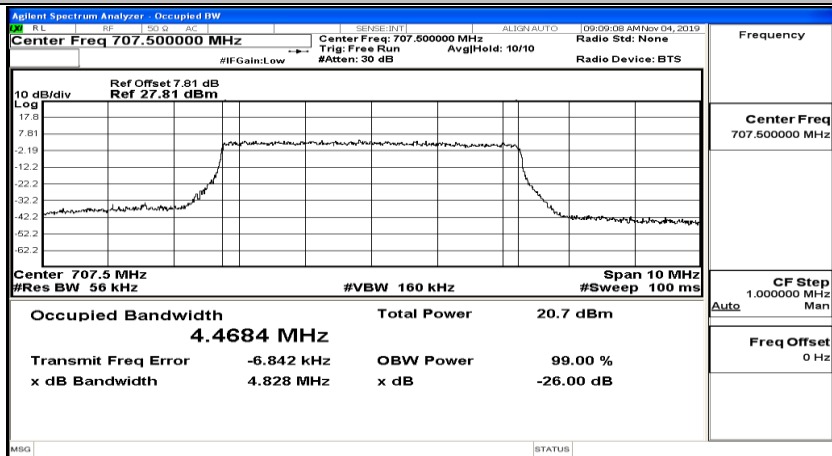
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



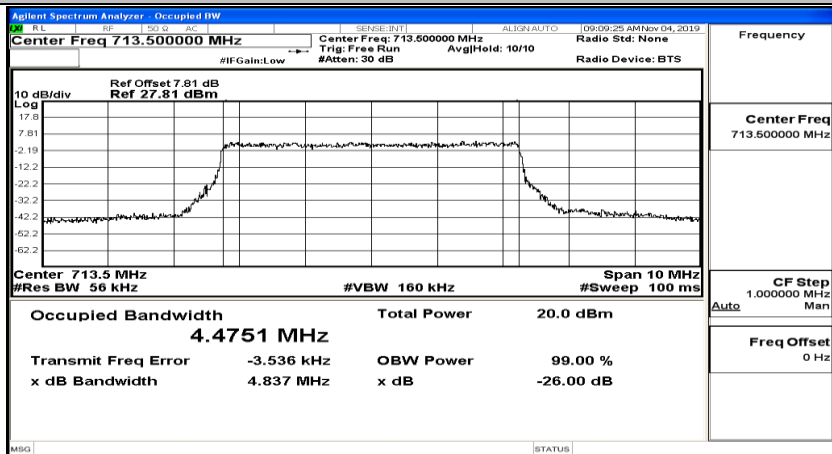
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



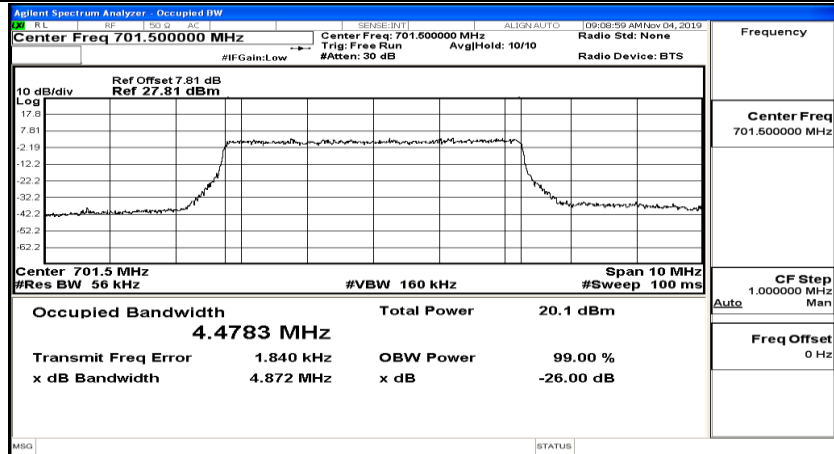
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



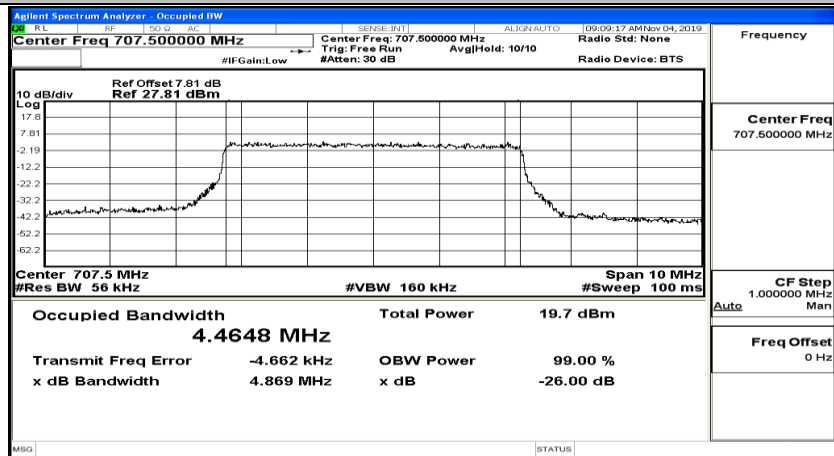
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



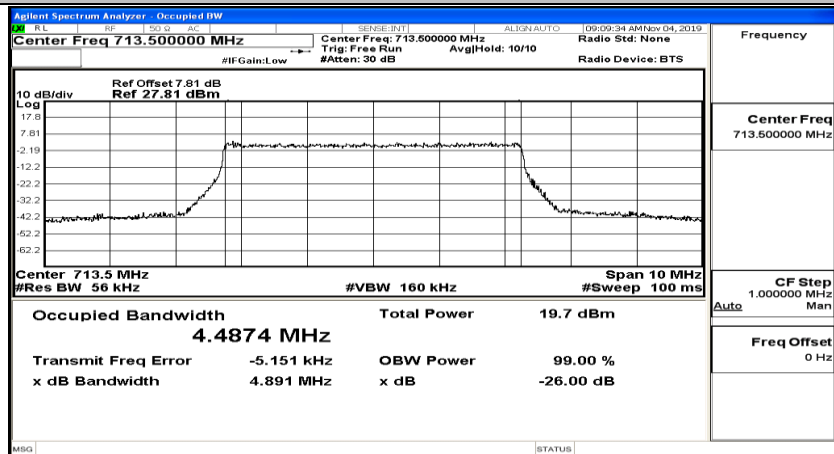
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



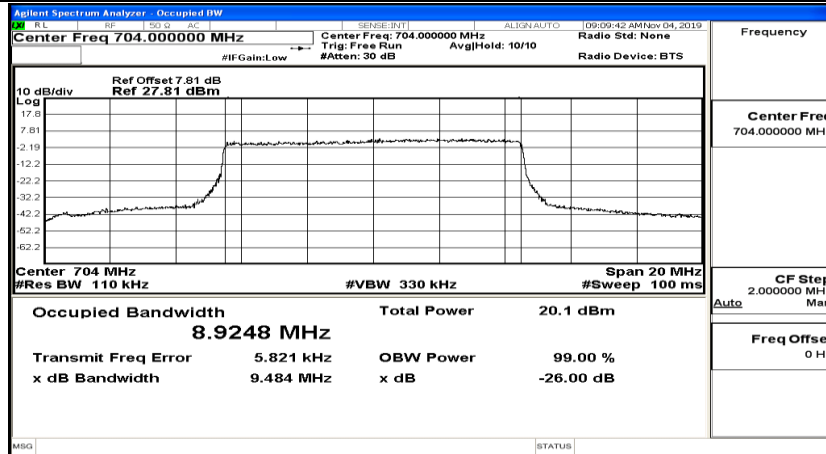
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



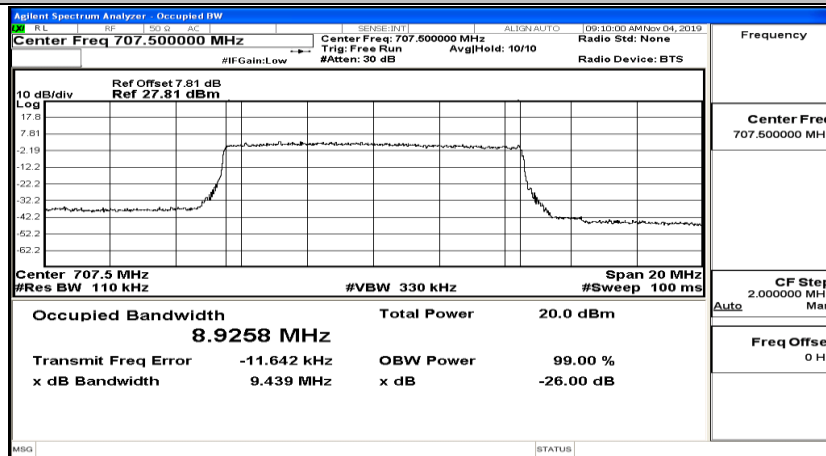
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



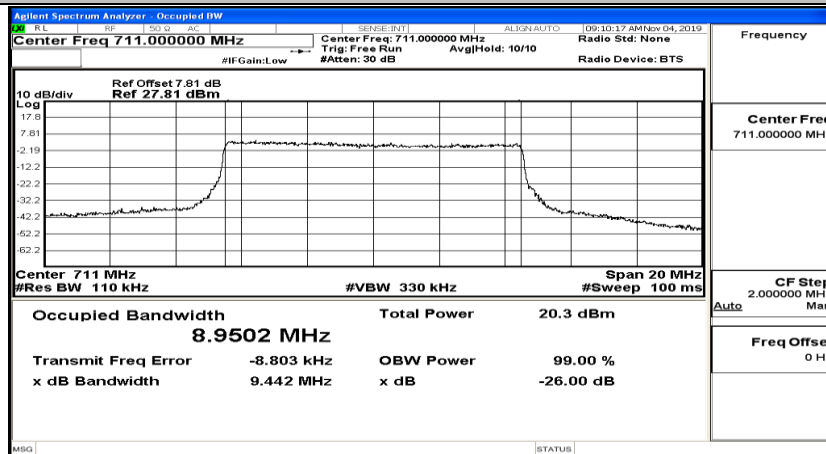
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



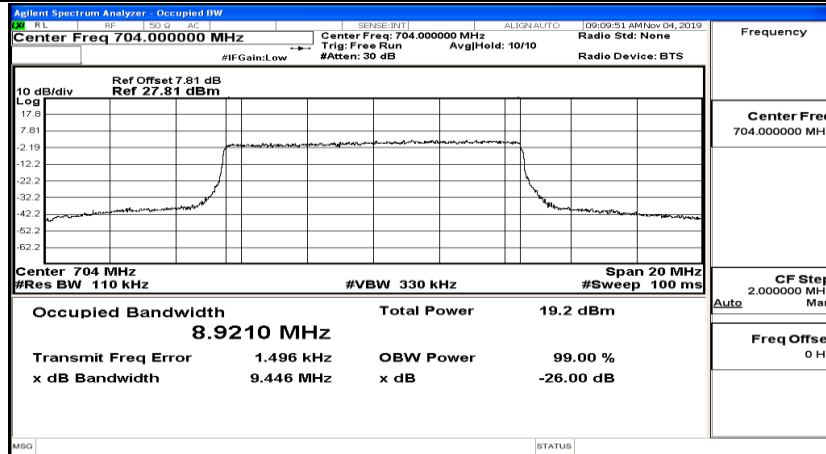
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



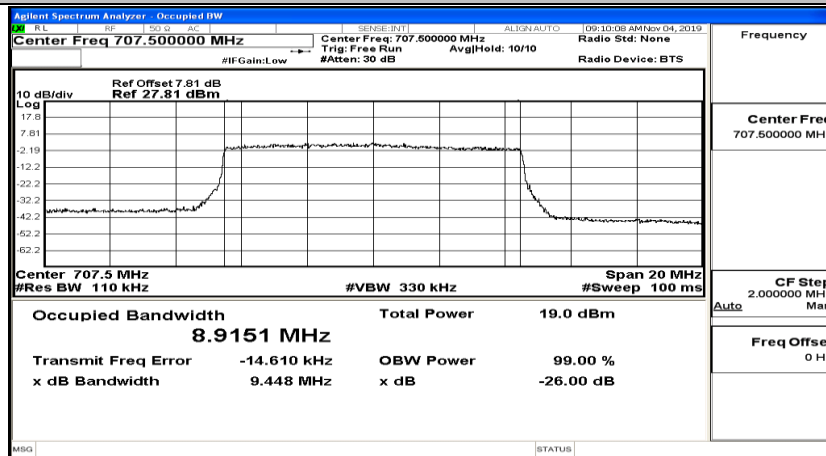
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



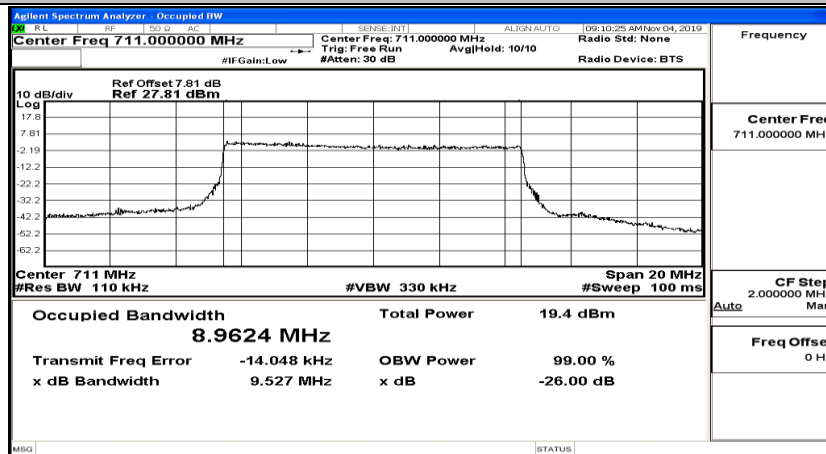
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

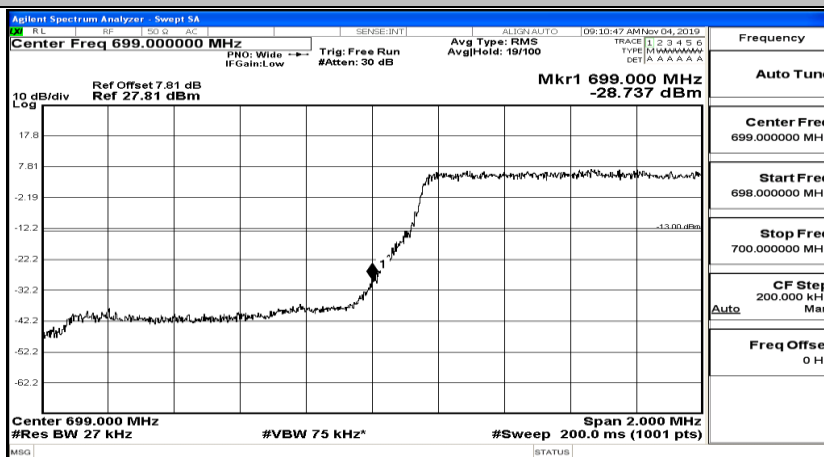


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

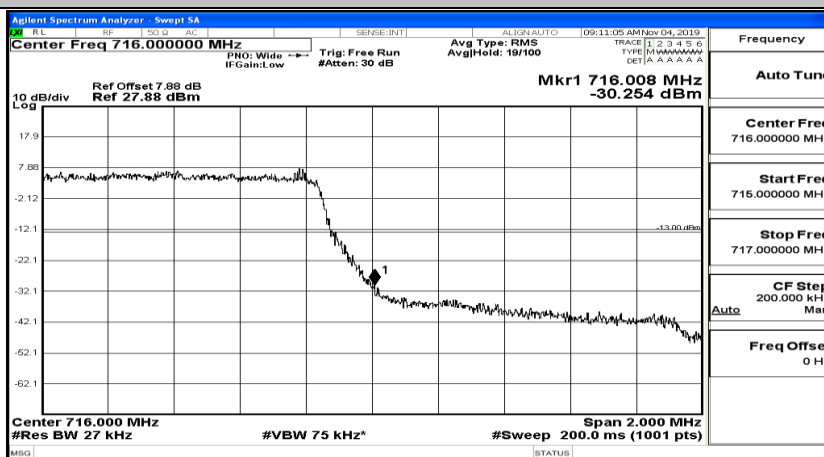


C.4 Band Edge

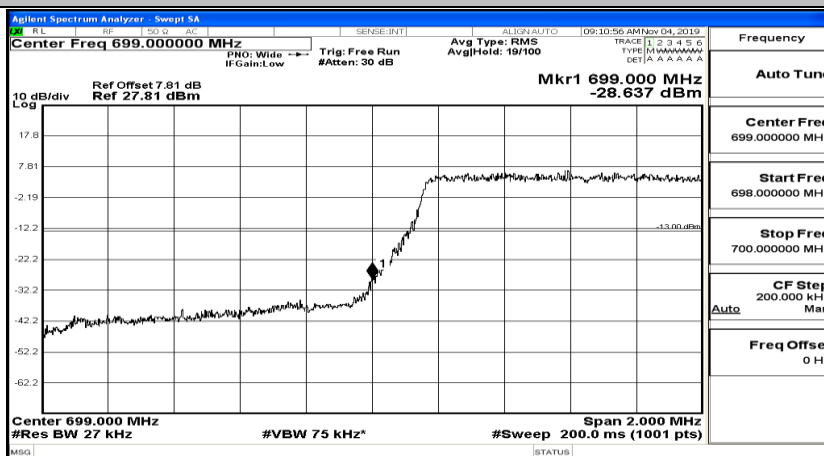
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



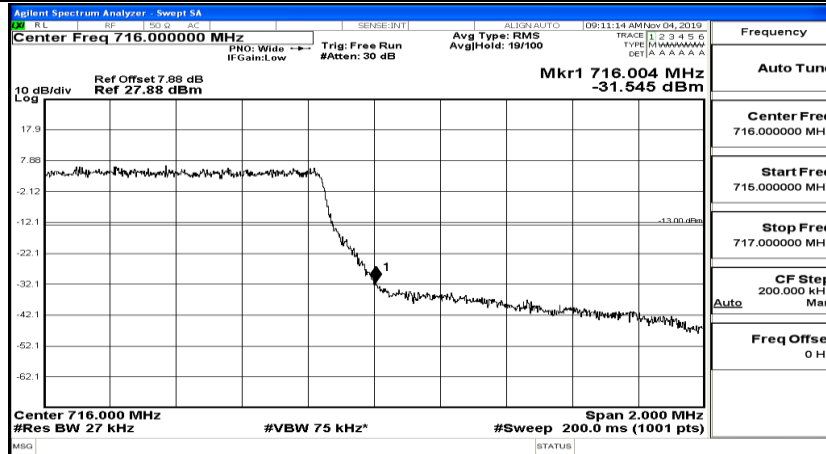
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



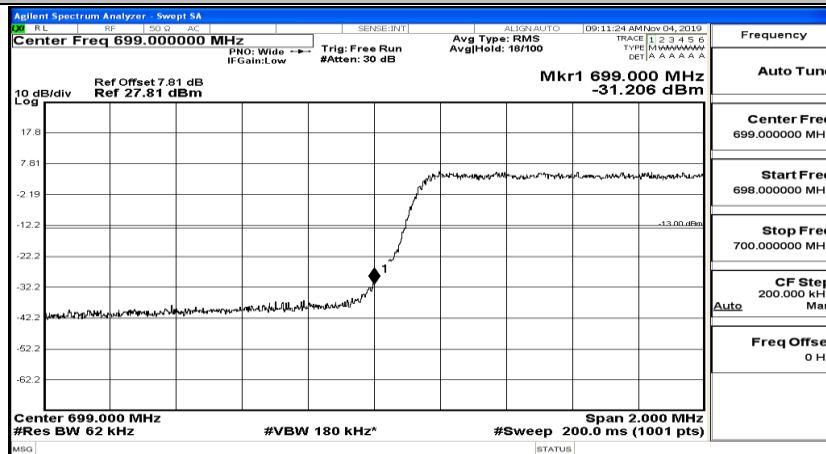
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



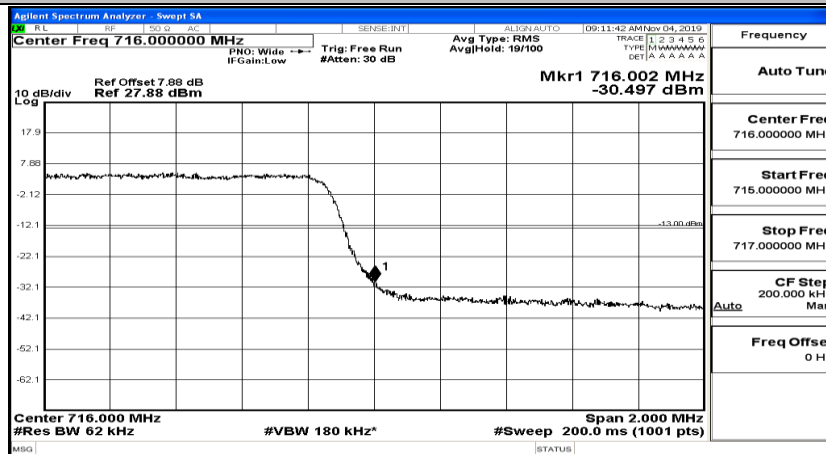
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



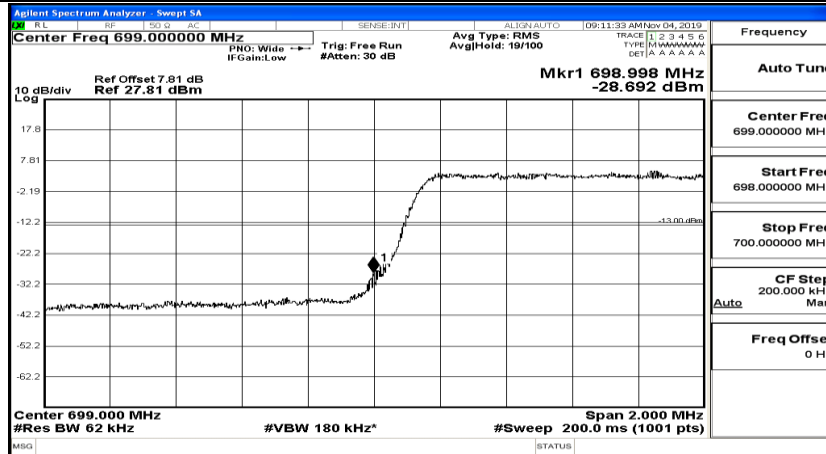
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



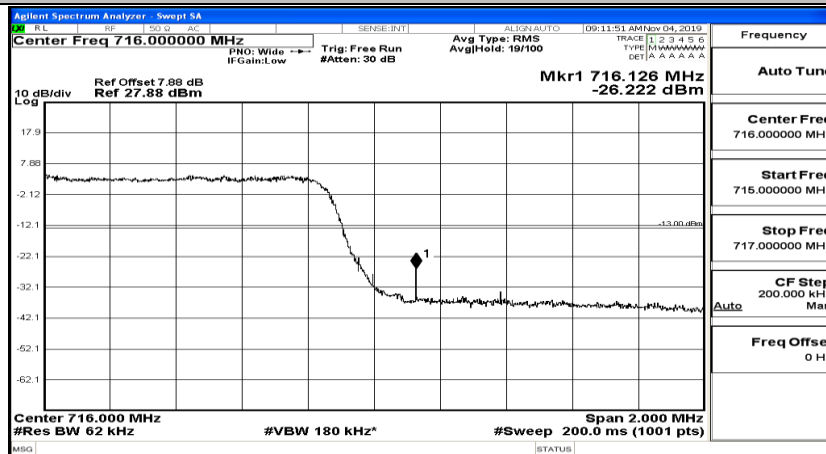
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



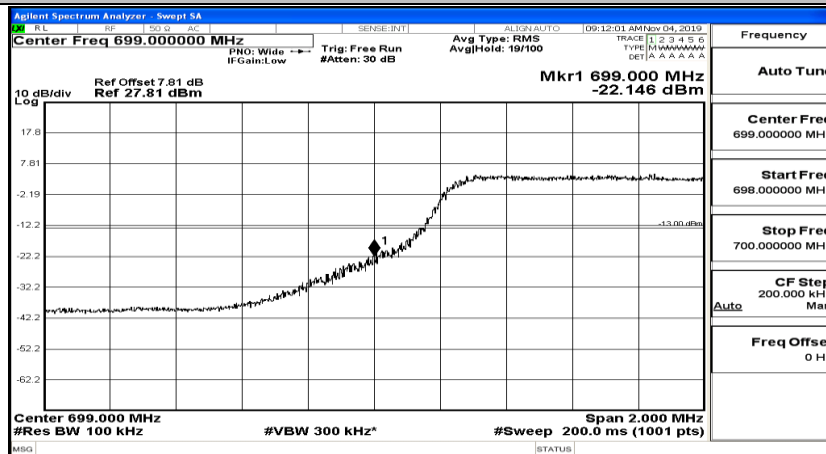
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



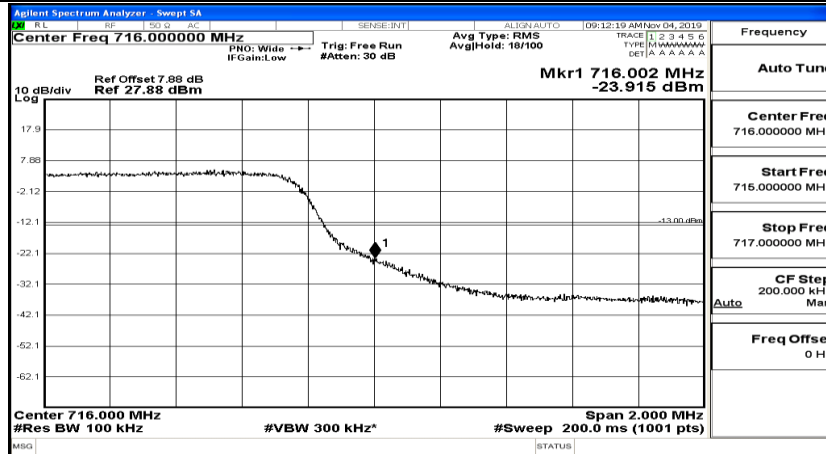
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



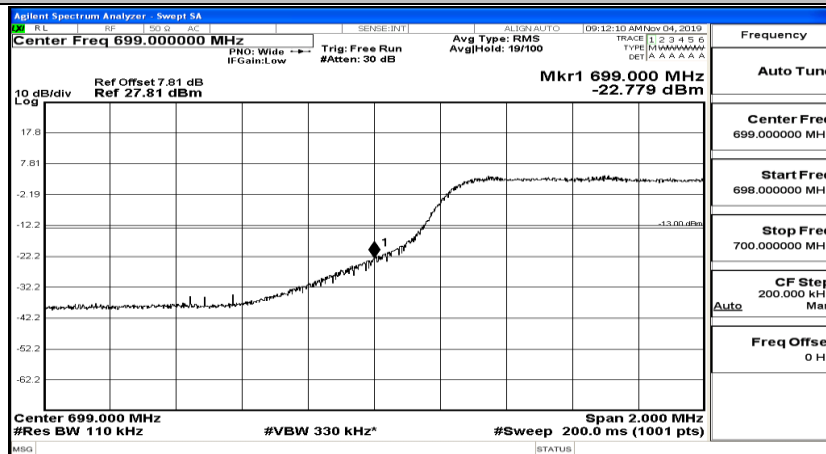
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



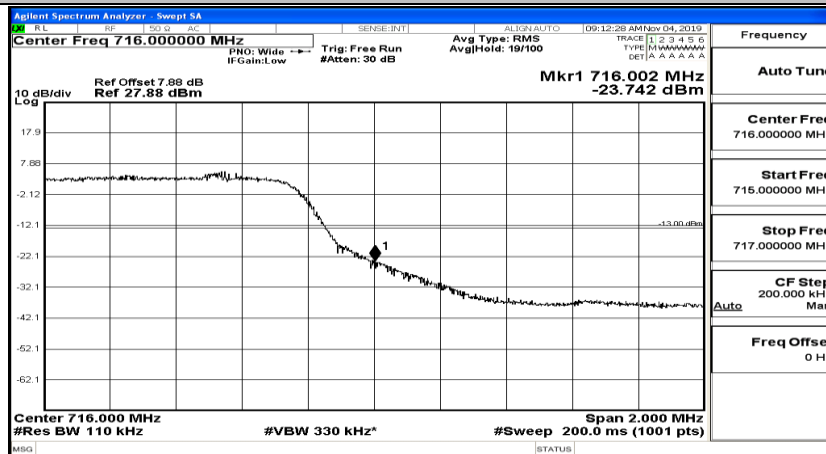
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



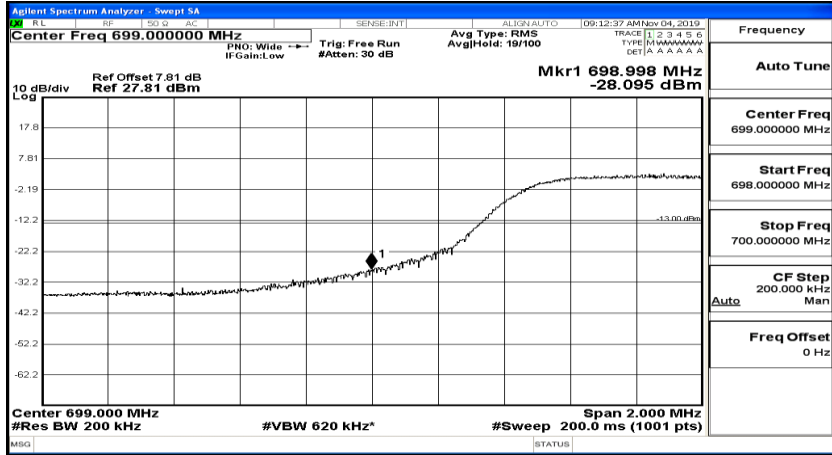
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



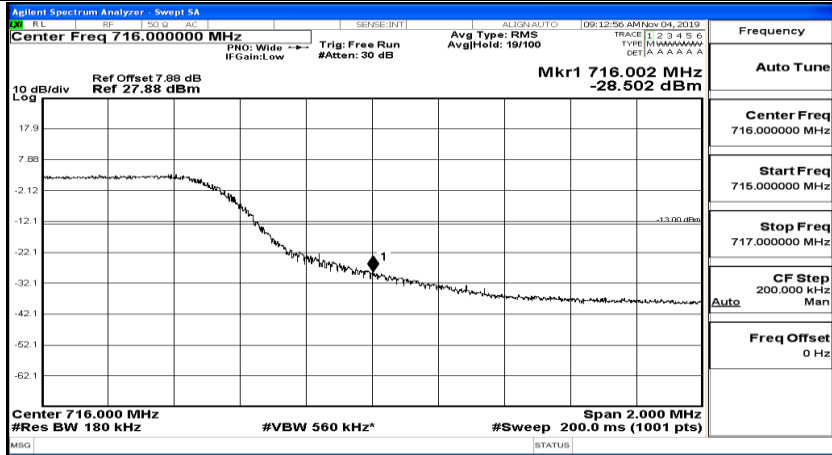
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



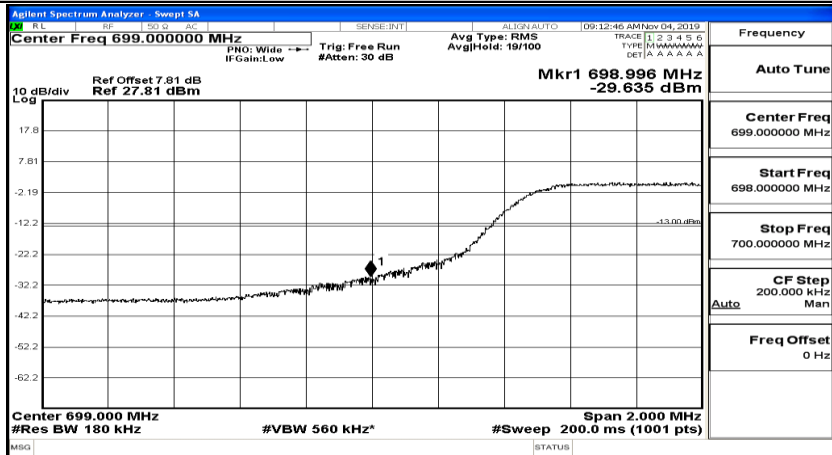
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



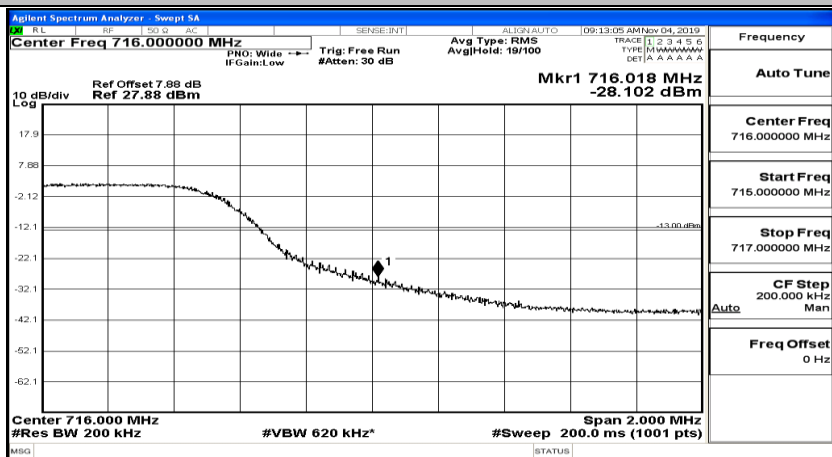
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



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

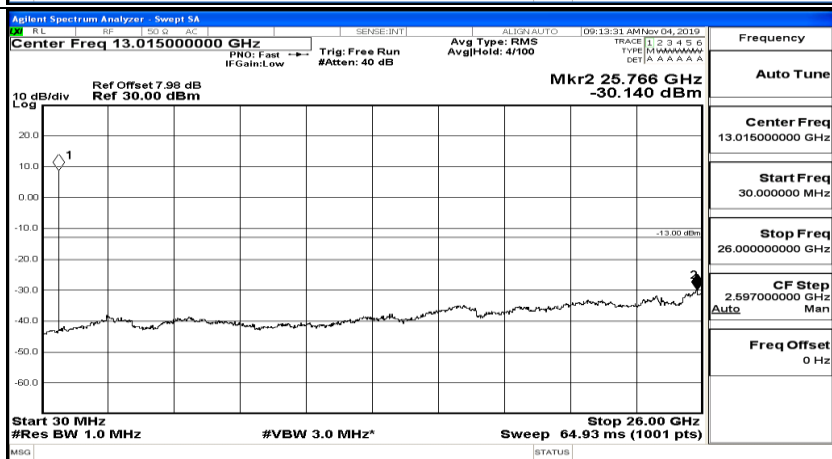
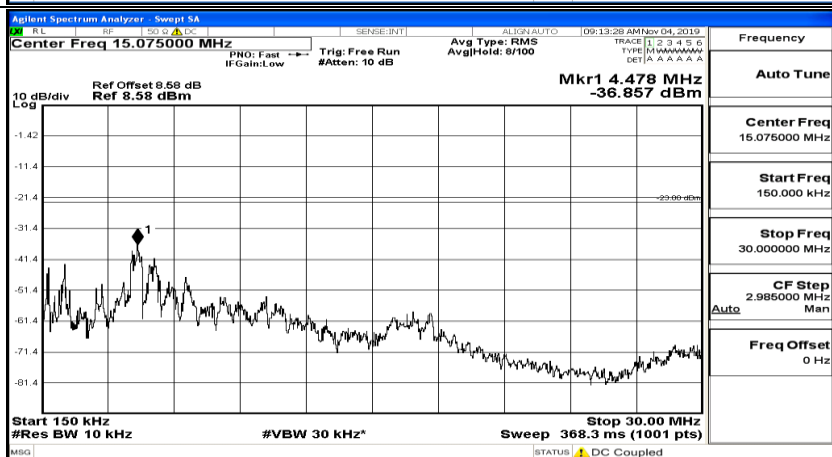
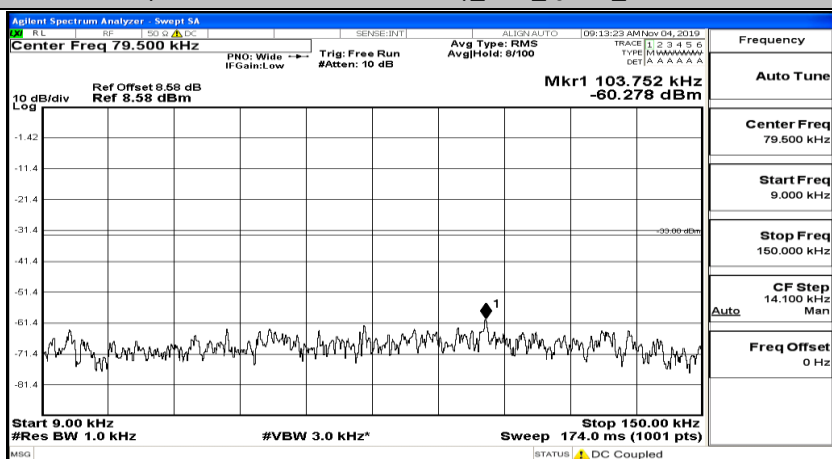


Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

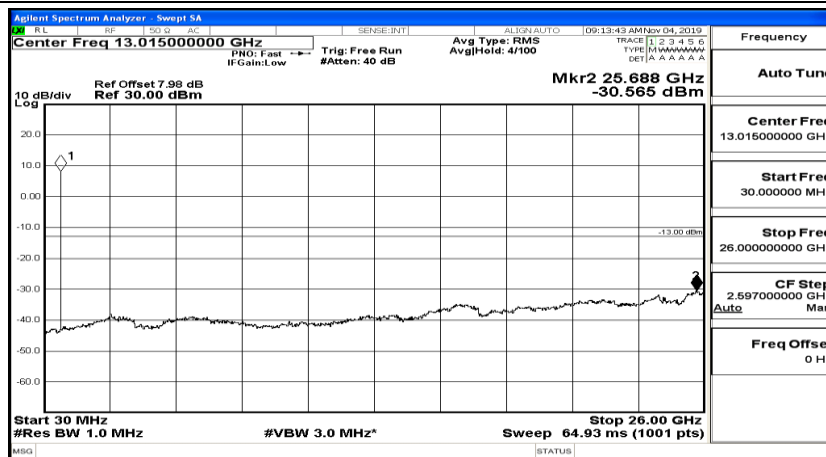
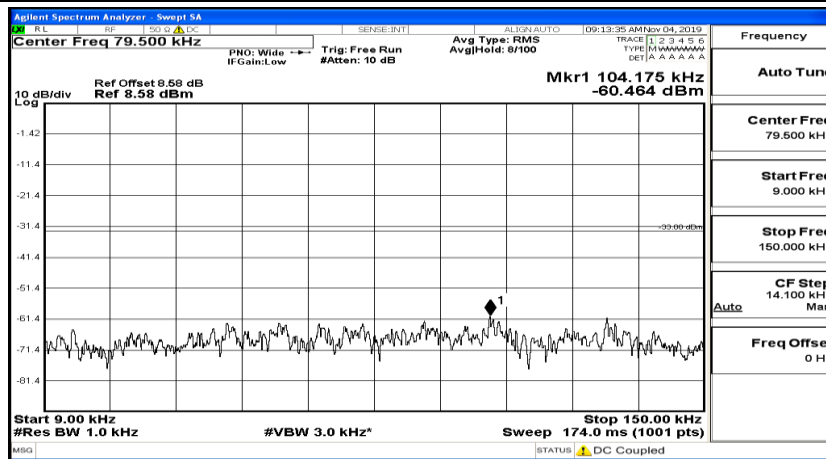


C.5 Conducted Spurious Emission

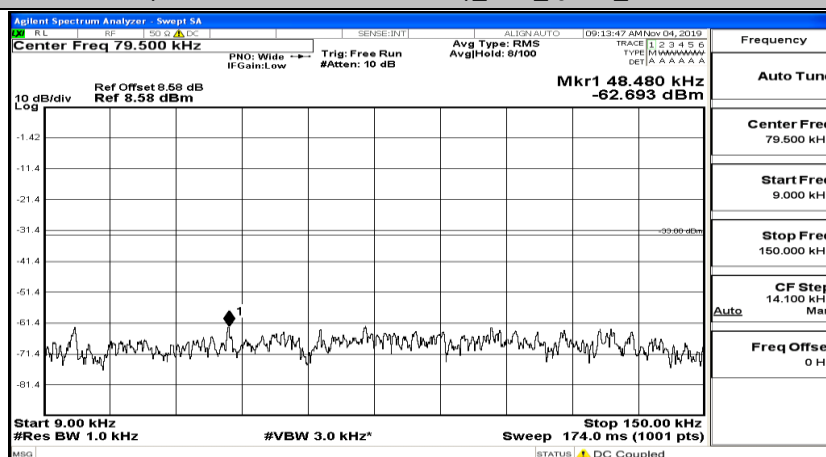
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

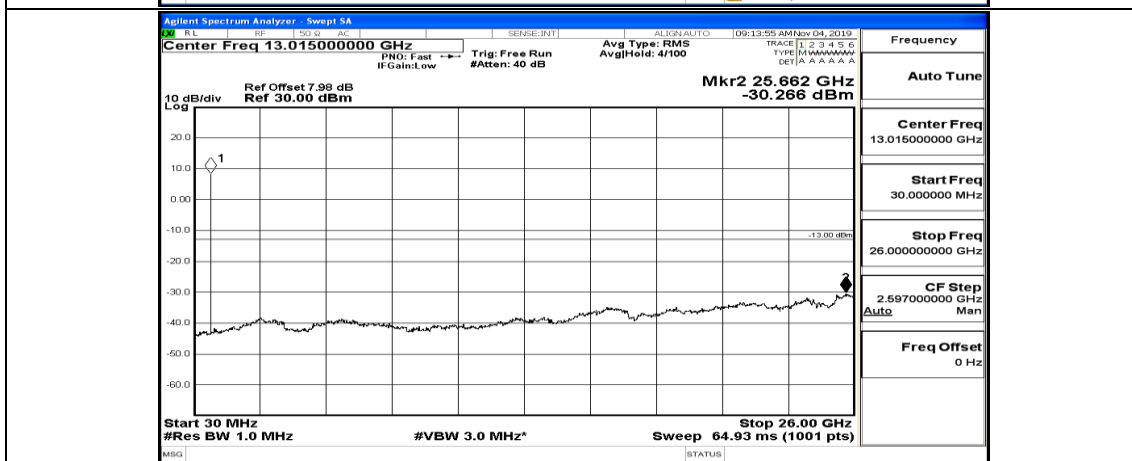


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

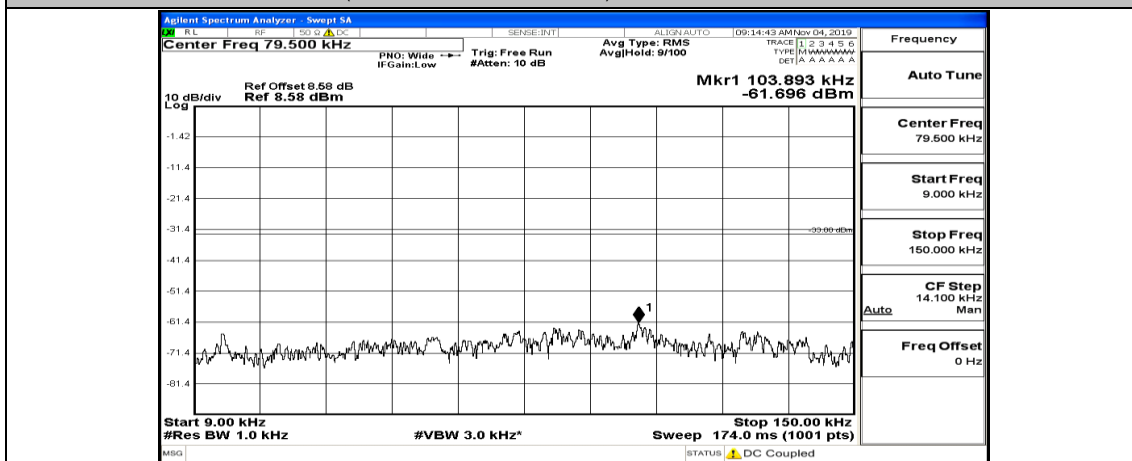


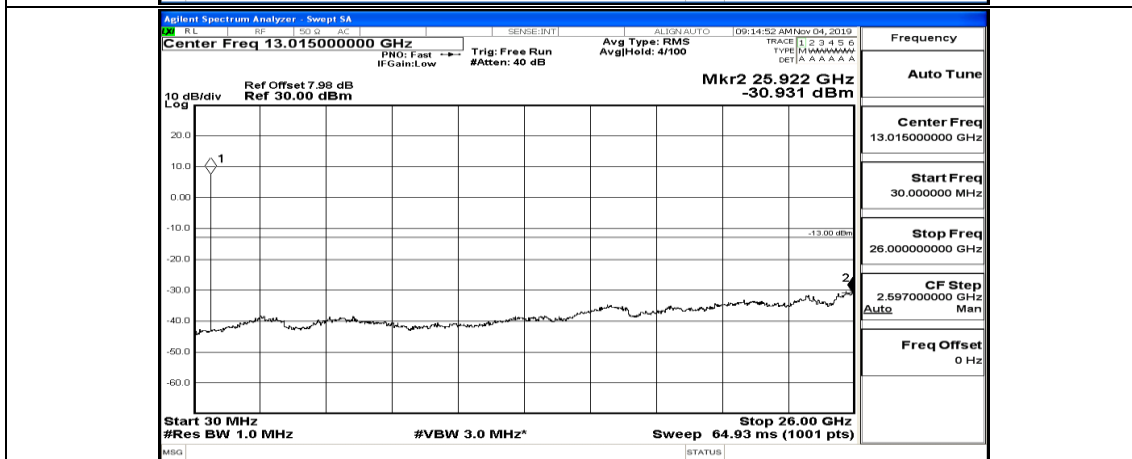
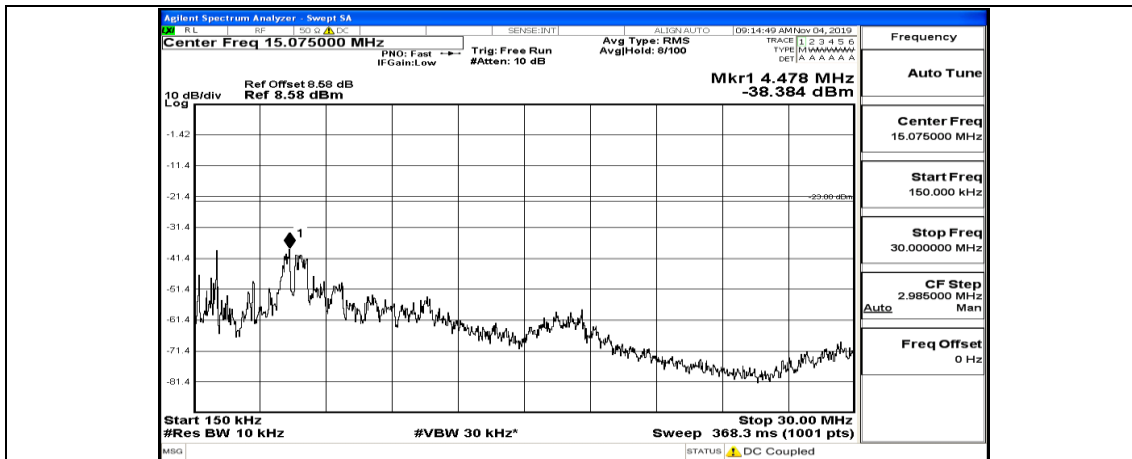
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



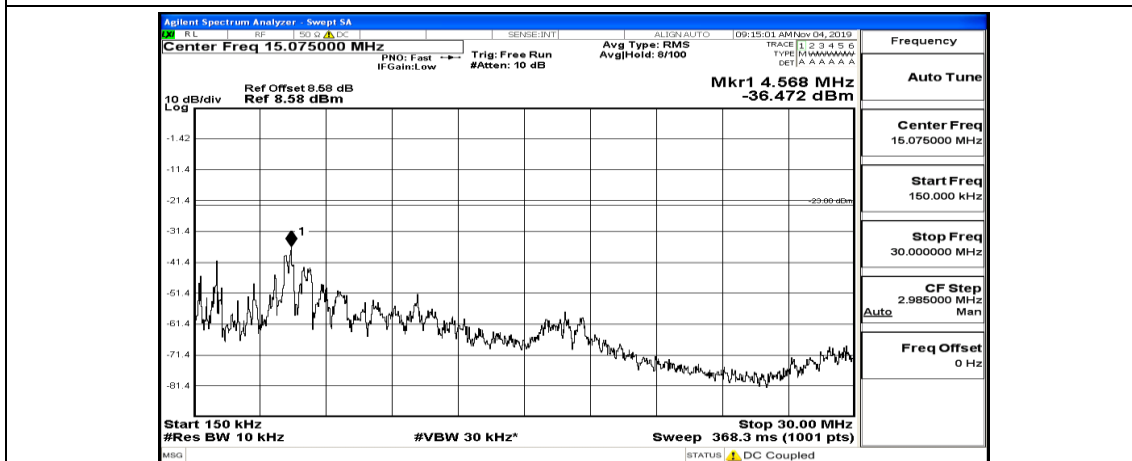
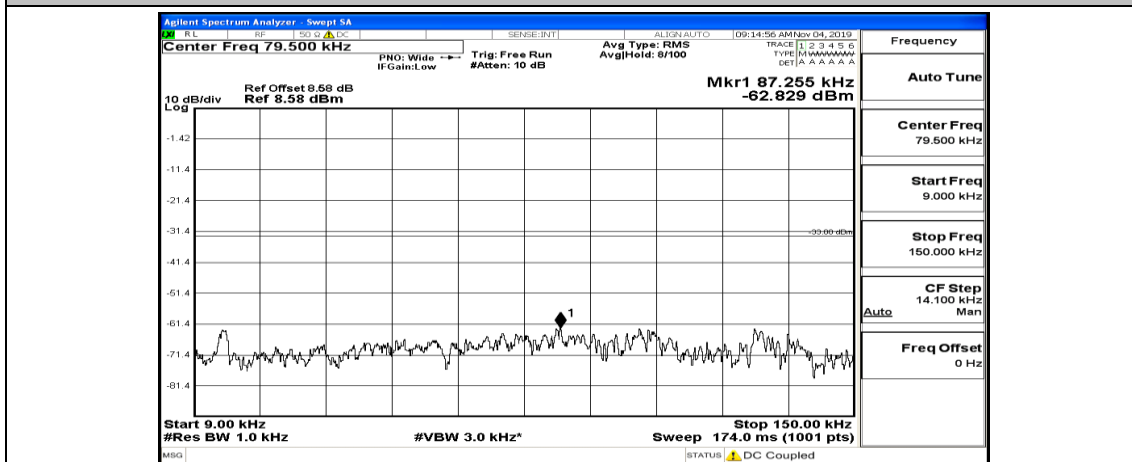


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



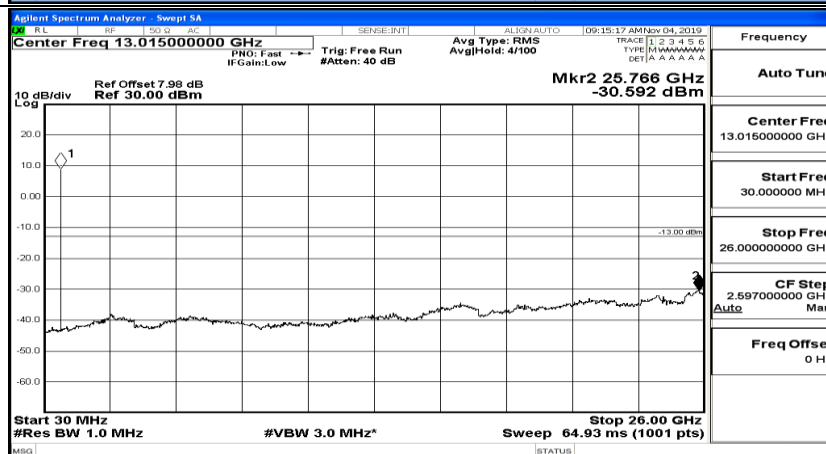
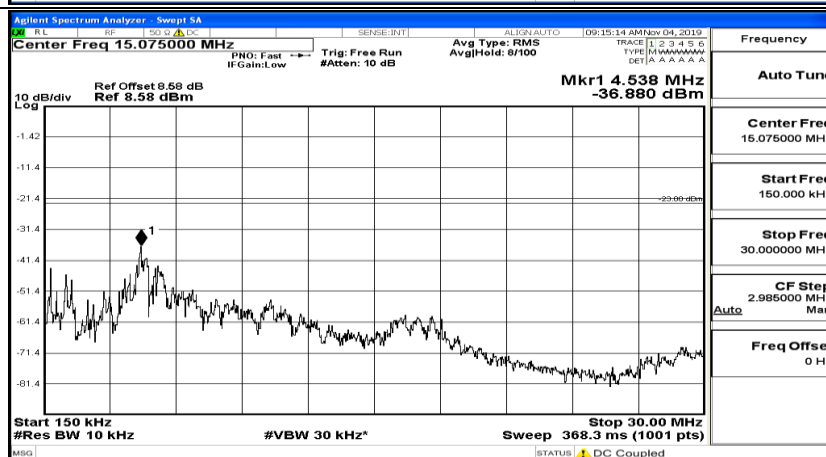
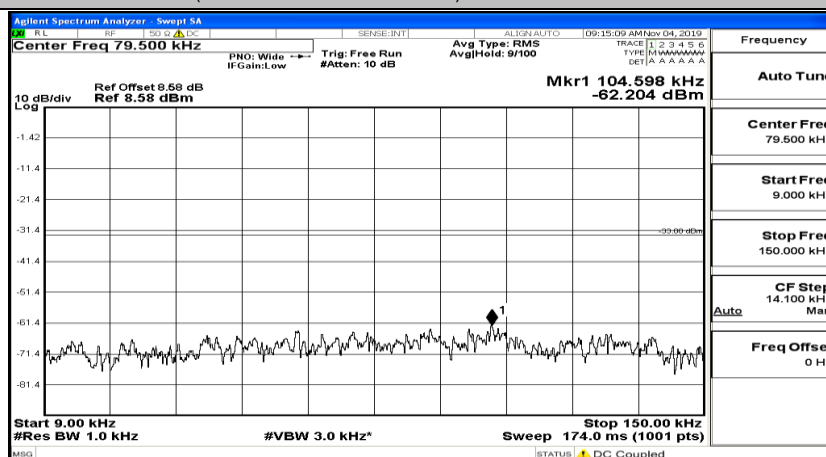


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

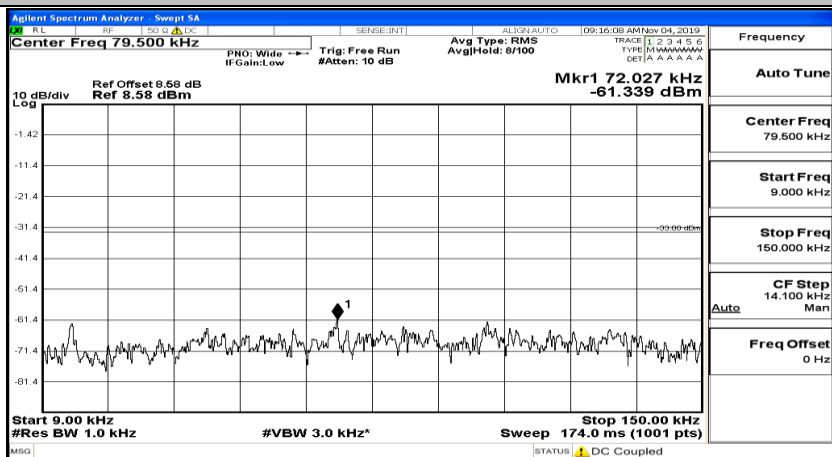




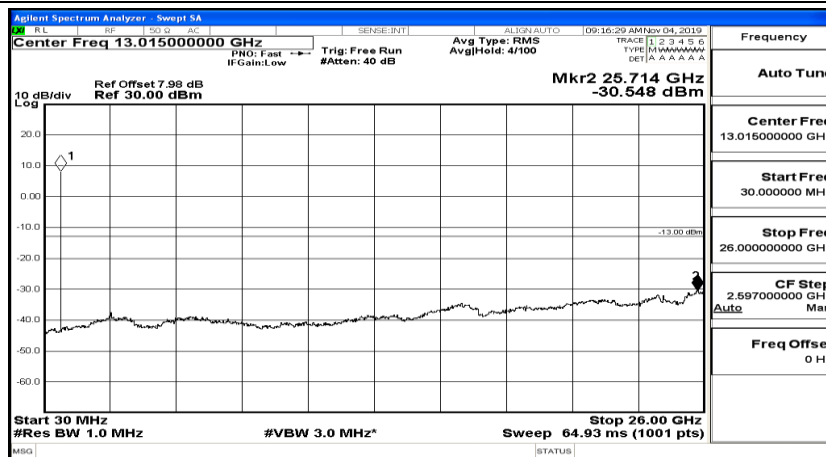
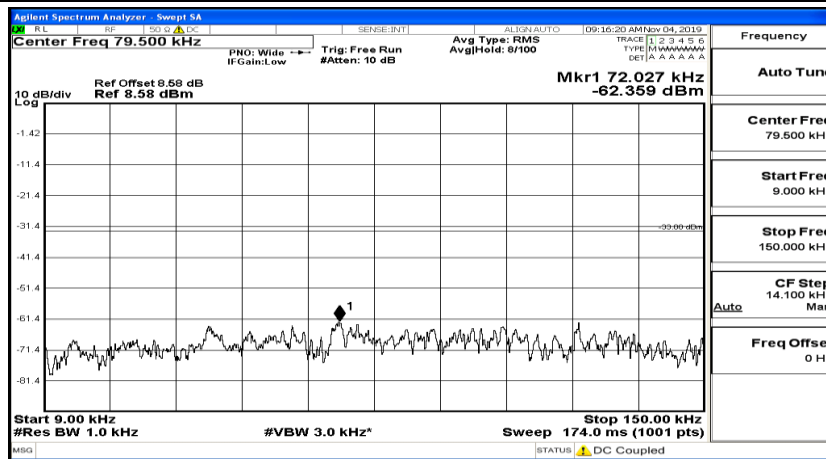
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



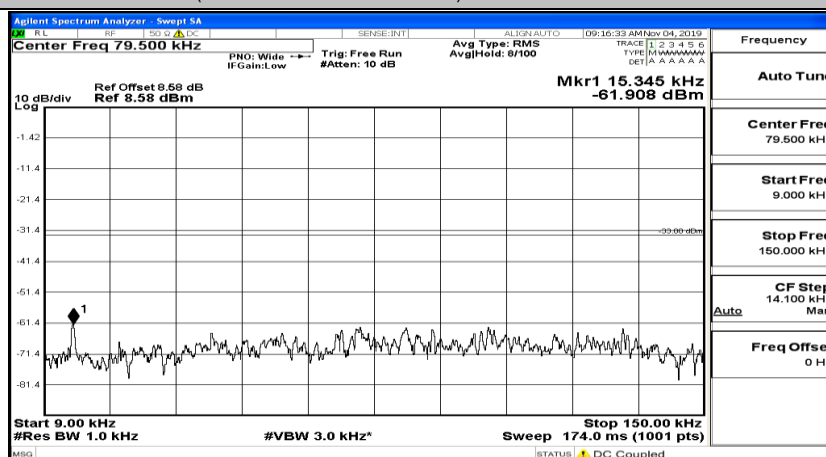
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

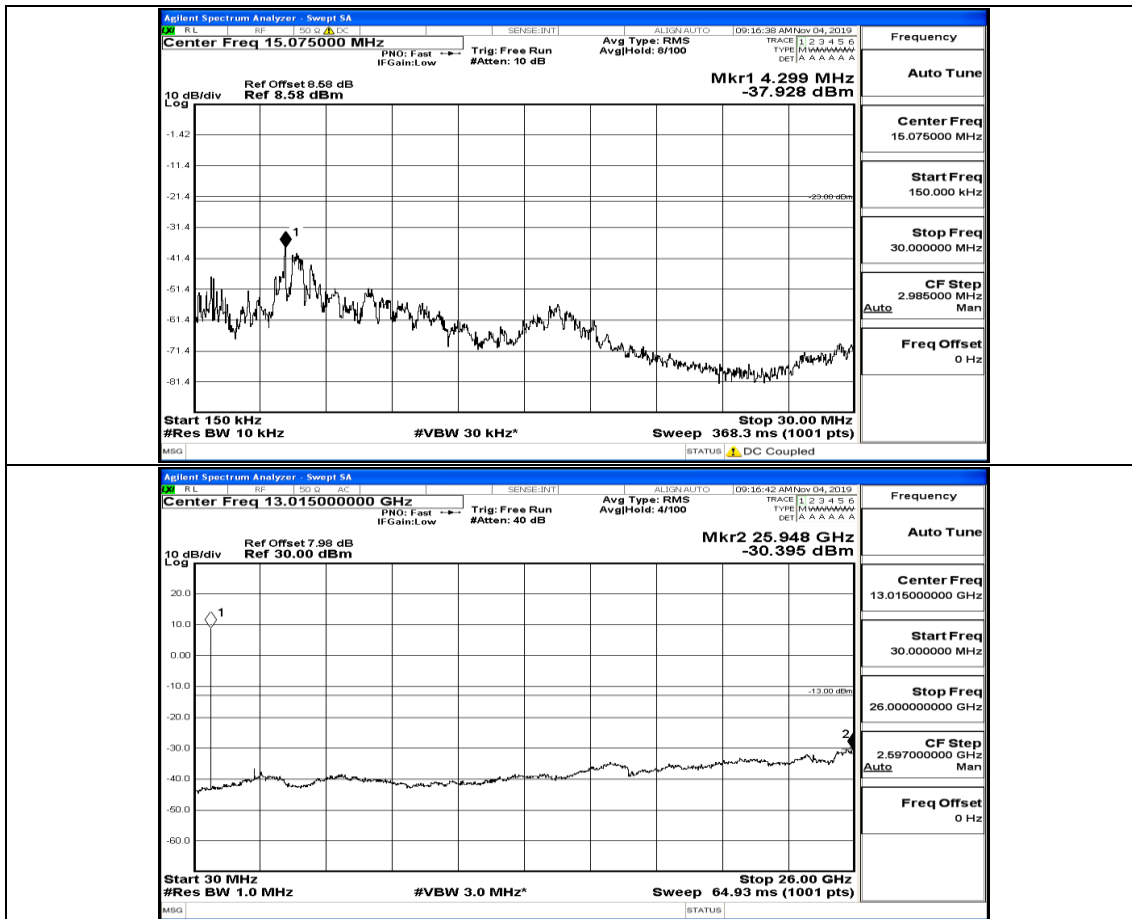


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

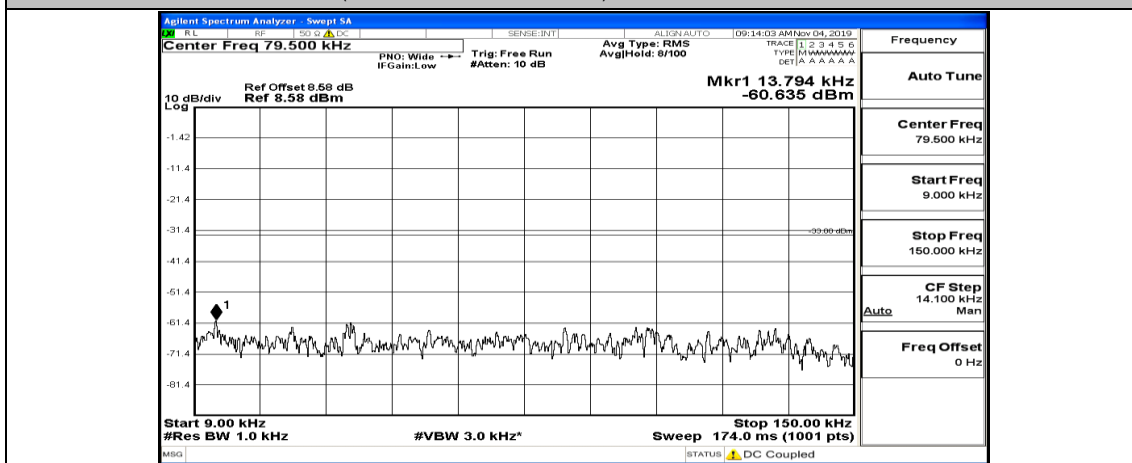


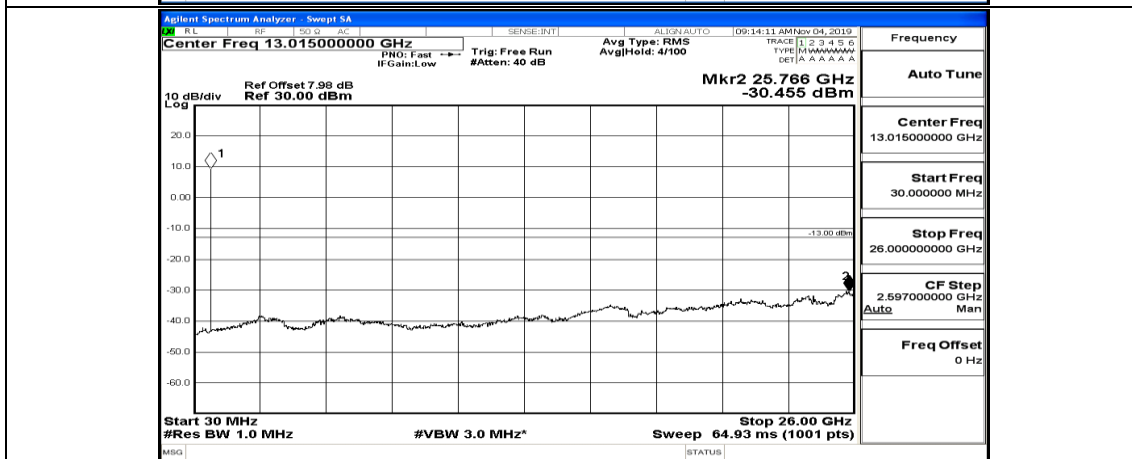
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



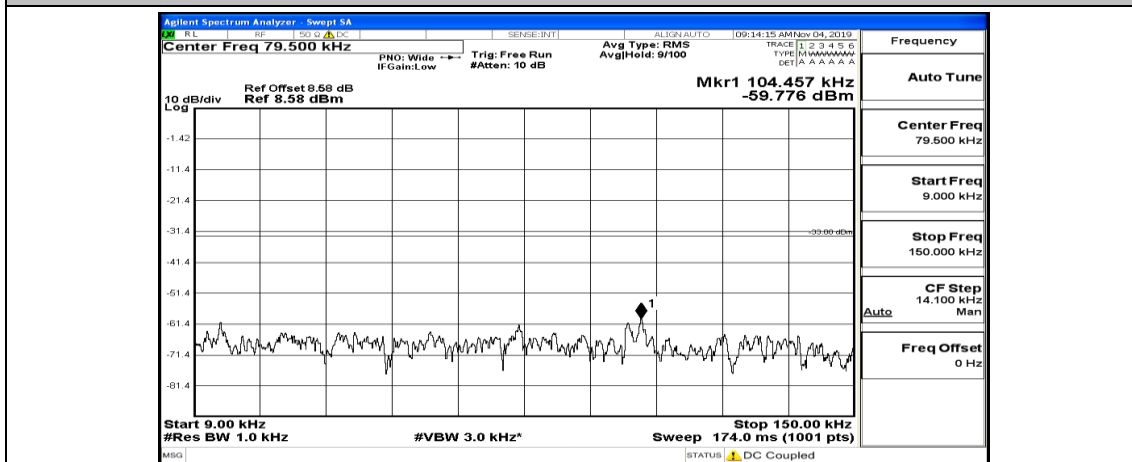


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



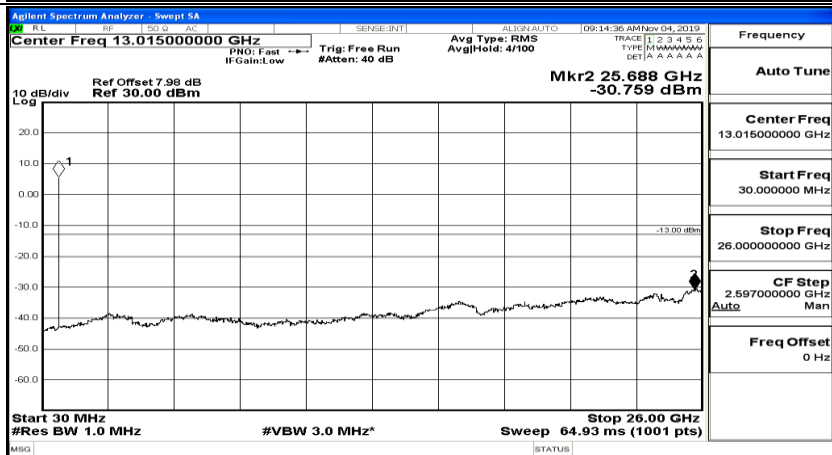
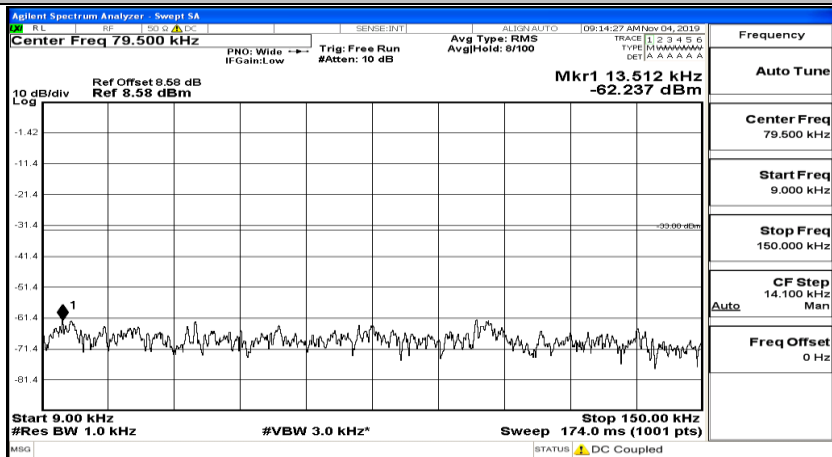


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

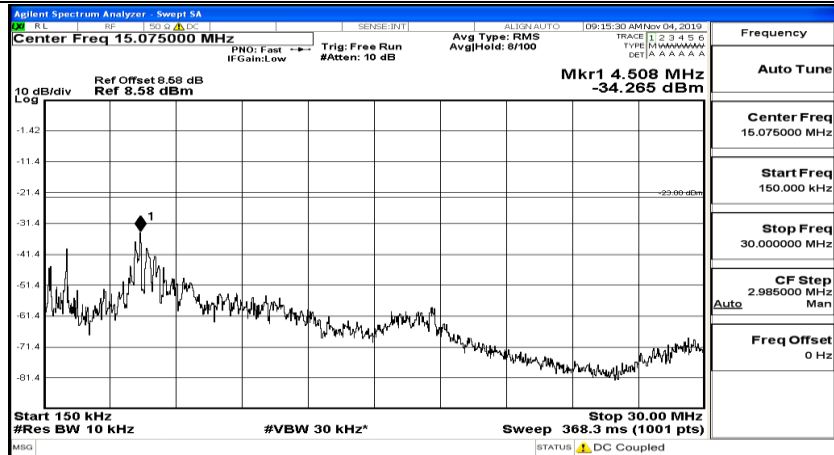
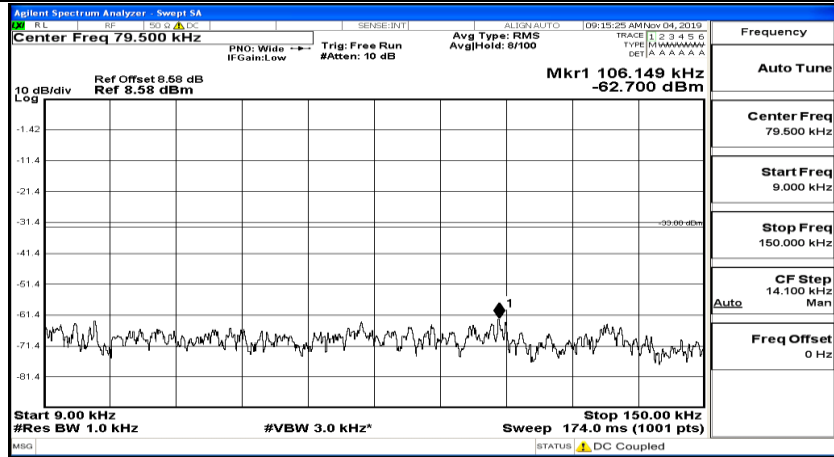




(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3