Appendix D: Test Data for E-UTRA Band 7

Product Name: LTE GSM/WCDMA Smartphone

Trade Mark: DOOGEE

Test Model: S80 Lite

Environmental Conditions

Temperature:	23.6 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	Jayden Zhuo

D.1 Conducted Output Power

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	25.80	25.10	PASS
		1	12	26.00	25.34	PASS
		1	24	25.67	24.97	PASS
		12	0	24.84	23.93	PASS
		12	6	24.91	24.03	PASS
		12	13	24.86	23.99	PASS
		25	0	24.88	23.87	PASS
	MCH	1	0	25.79	24.74	PASS
		1	12	26.09	25.04	PASS
		1	24	25.62	24.56	PASS
		12	0	24.74	23.77	PASS
		12	6	24.80	23.86	PASS
		12	13	24.72	23.71	PASS
		25	0	24.77	23.80	PASS
	HCH	1	0	25.33	24.46	PASS
		1	12	25.61	24.76	PASS
		1	24	25.22	24.31	PASS
		12	0	24.41	23.50	PASS
		12	6	24.42	23.50	PASS
		12	13	24.35	23.46	PASS
		25	0	24.42	23.46	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	25.86	25.02	PASS
		1	24	25.97	25.15	PASS
		1	49	25.69	24.84	PASS
		25	0	24.86	23.79	PASS
		25	12	24.90	23.83	PASS
		25	25	24.95	23.84	PASS
		50	0	24.82	23.81	PASS
	MCH	1	0	25.81	25.04	PASS
		1	24	25.92	25.16	PASS
		1	49	25.56	24.78	PASS
		25	0	24.89	23.88	PASS
		25	12	24.84	23.80	PASS
		25	25	24.80	23.77	PASS
		50	0	24.80	23.84	PASS
	HCH	1	0	25.54	24.77	PASS
		1	24	25.63	24.95	PASS
		1	49	25.34	24.67	PASS
		25	0	24.64	23.67	PASS
		25	12	24.54	23.56	PASS
		25	25	24.45	23.46	PASS
		50	0	24.53	23.58	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	25.81	25.00	PASS
		1	37	25.98	25.16	PASS
		1	74	25.56	24.68	PASS
		37	0	24.93	23.77	PASS
		37	18	24.95	23.82	PASS
		37	38	24.87	23.79	PASS
		75	0	24.89	23.79	PASS
	MCH	1	0	25.80	24.99	PASS
		1	37	25.94	25.14	PASS
		1	74	25.44	24.64	PASS
		37	0	24.95	23.85	PASS
		37	18	24.89	23.86	PASS
		37	38	24.75	23.70	PASS
		75	0	24.89	23.83	PASS
	HCH	1	0	25.60	24.67	PASS
		1	37	25.75	25.02	PASS
		1	74	25.34	24.49	PASS
		37	0	24.79	23.72	PASS
		37	18	24.69	23.64	PASS
		37	38	24.53	23.49	PASS
		75	0	24.70	23.62	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	25.88	24.95	PASS
		1	49	26.04	25.08	PASS
		1	99	25.65	24.71	PASS
		50	0	24.68	23.60	PASS
		50	25	24.76	23.75	PASS
		50	50	24.70	23.64	PASS
		100	0	24.67	23.62	PASS
	MCH	1	0	25.78	24.95	PASS
		1	49	26.07	25.22	PASS
		1	99	25.54	24.60	PASS
		50	0	24.91	23.83	PASS
		50	25	24.88	23.80	PASS
		50	50	24.70	23.68	PASS
		100	0	24.77	23.75	PASS
	HCH	1	0	25.56	24.67	PASS
		1	49	25.89	25.08	PASS
		1	99	25.33	24.60	PASS
		50	0	24.67	23.67	PASS
		50	25	24.66	23.66	PASS
		50	50	24.43	23.43	PASS
		100	0	24.57	23.55	PASS

D.2 Peak-to-Average Ratio

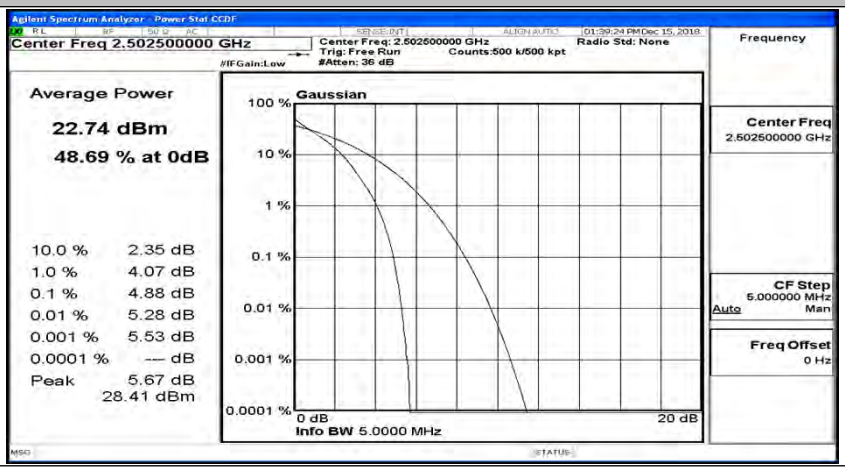
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.88	<13	PASS
	MCH	5.38	<13	PASS
	HCH	5.11	<13	PASS
16QAM	LCH	5.89	<13	PASS
	MCH	6.23	<13	PASS
	HCH	5.97	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.13	<13	PASS
	MCH	5.41	<13	PASS
	HCH	5.16	<13	PASS
16QAM	LCH	5.89	<13	PASS
	MCH	6.2	<13	PASS
	HCH	5.94	<13	PASS

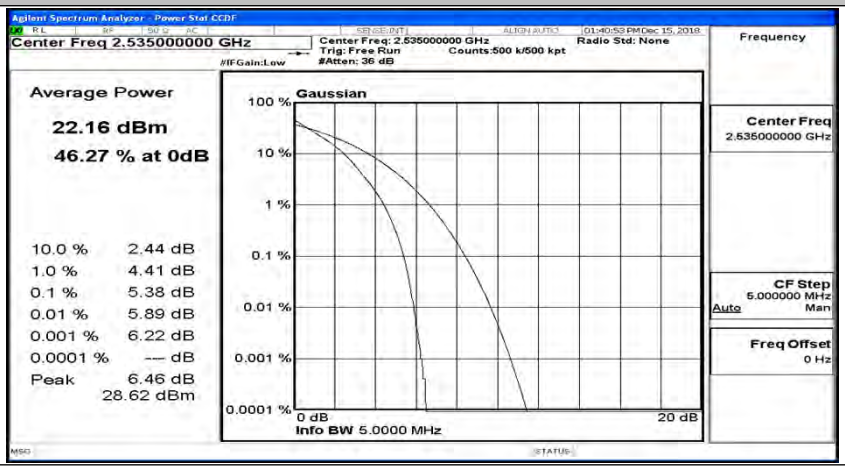
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.99	<13	PASS
	MCH	5.04	<13	PASS
	HCH	5.01	<13	PASS
16QAM	LCH	6.15	<13	PASS
	MCH	6.27	<13	PASS
	HCH	6.17	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.71	<13	PASS
	MCH	5.72	<13	PASS
	HCH	5.78	<13	PASS
16QAM	LCH	6.69	<13	PASS
	MCH	6.84	<13	PASS
	HCH	6.72	<13	PASS

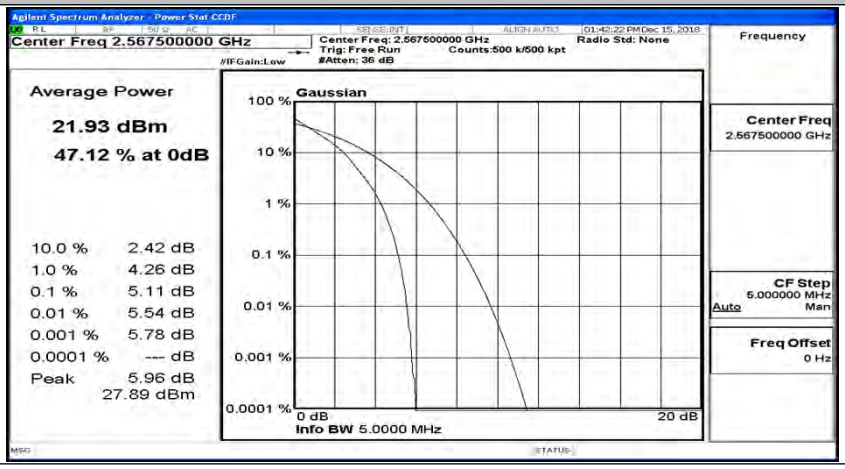
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



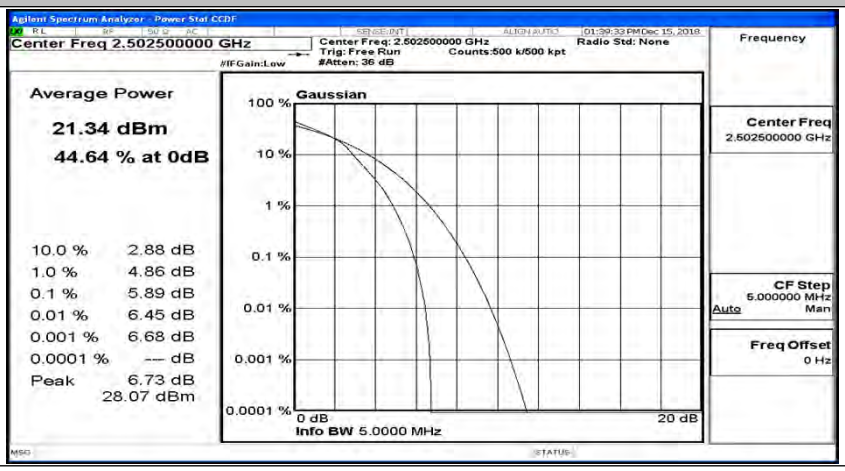
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



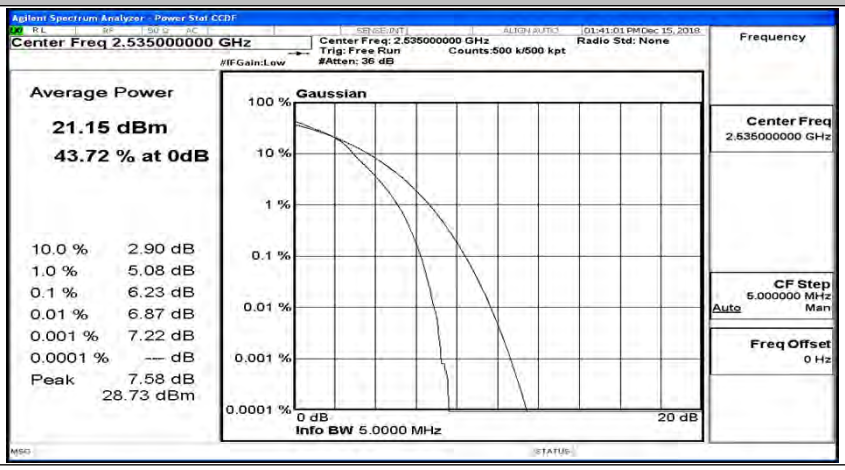
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



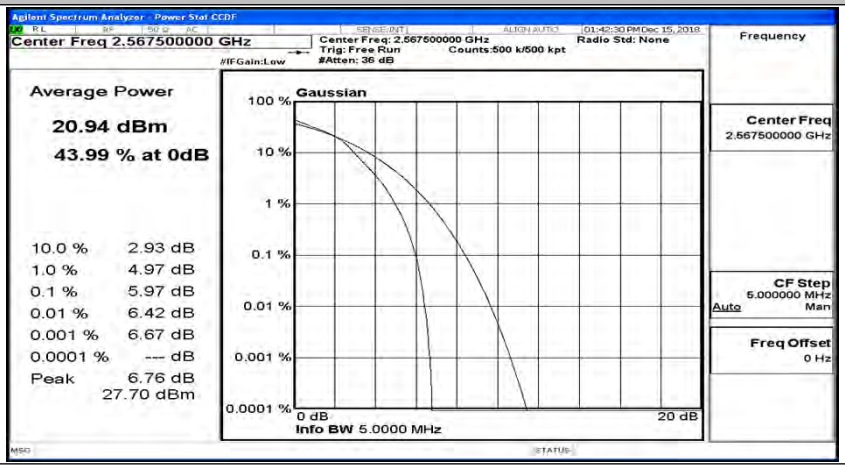
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



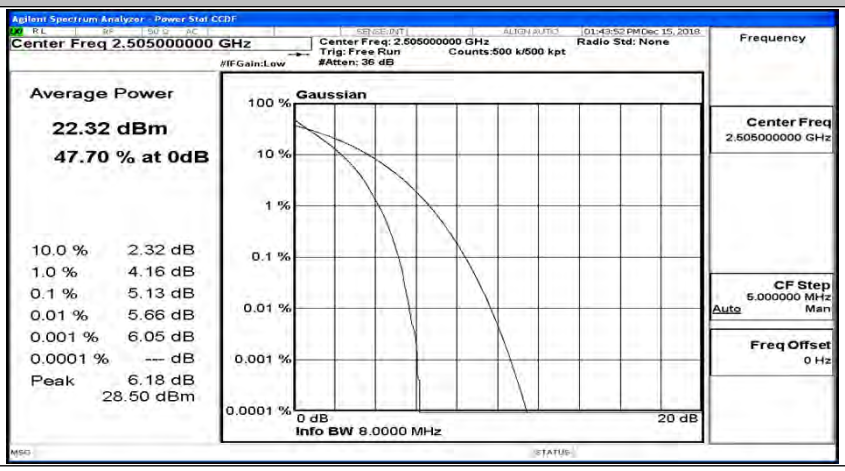
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



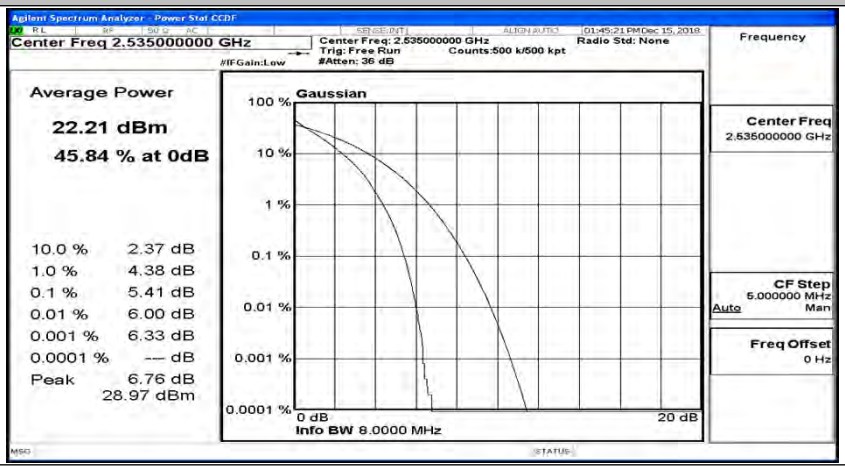
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



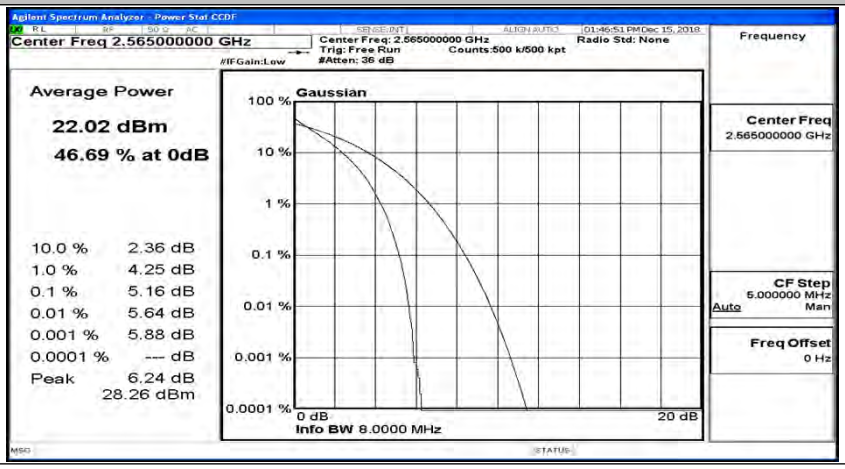
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



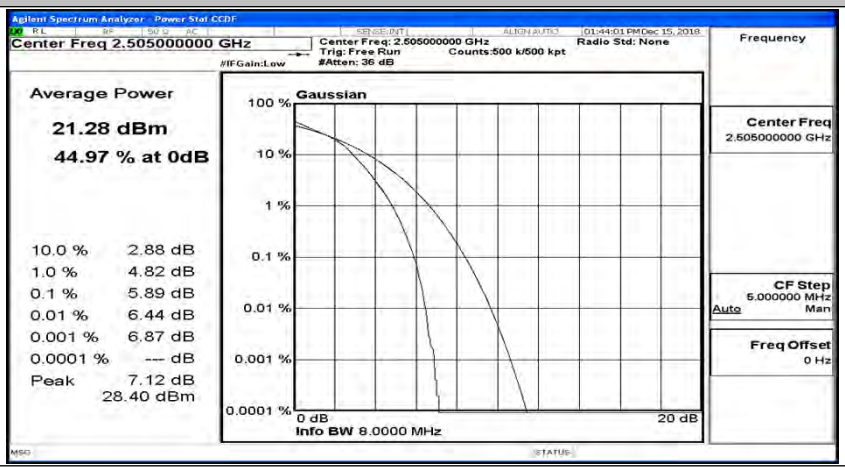
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



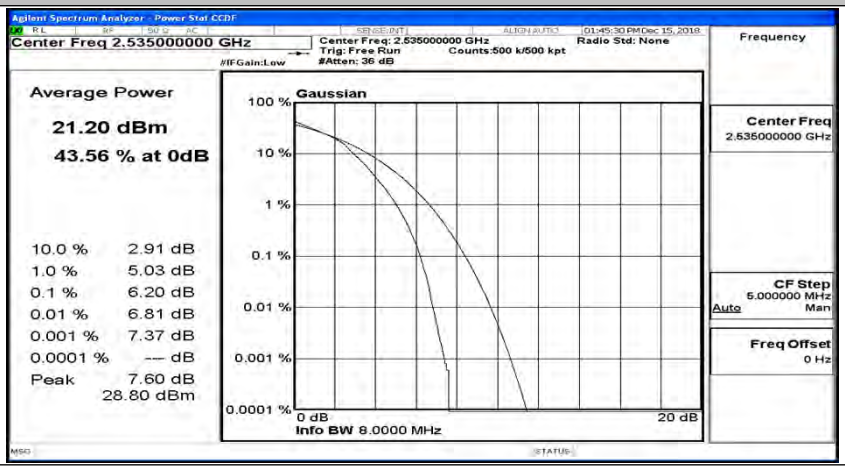
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



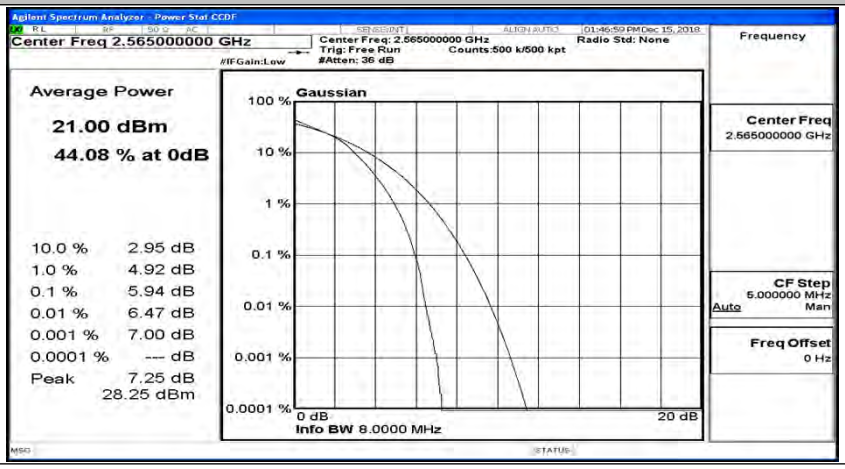
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



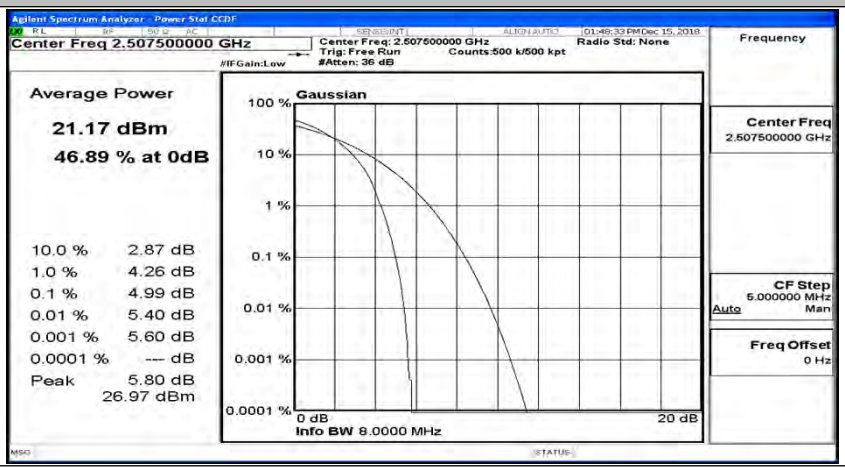
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



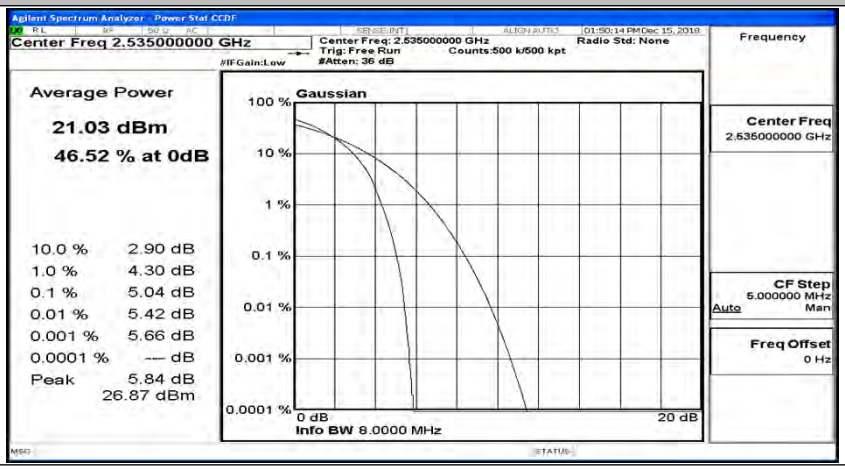
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



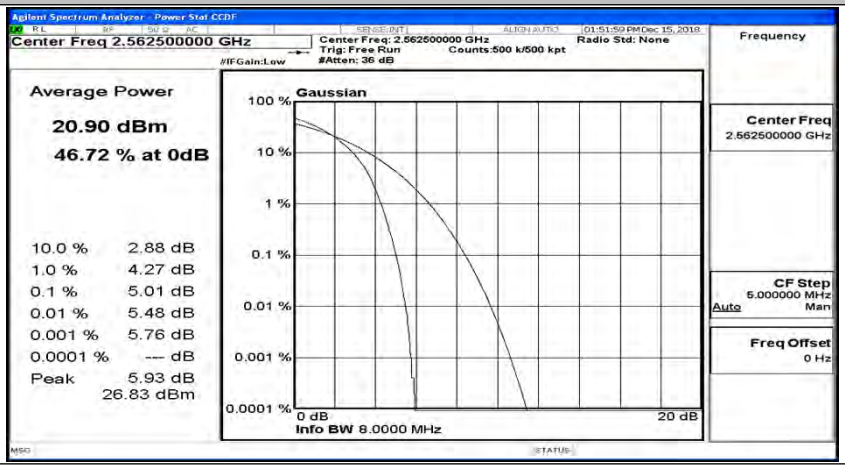
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



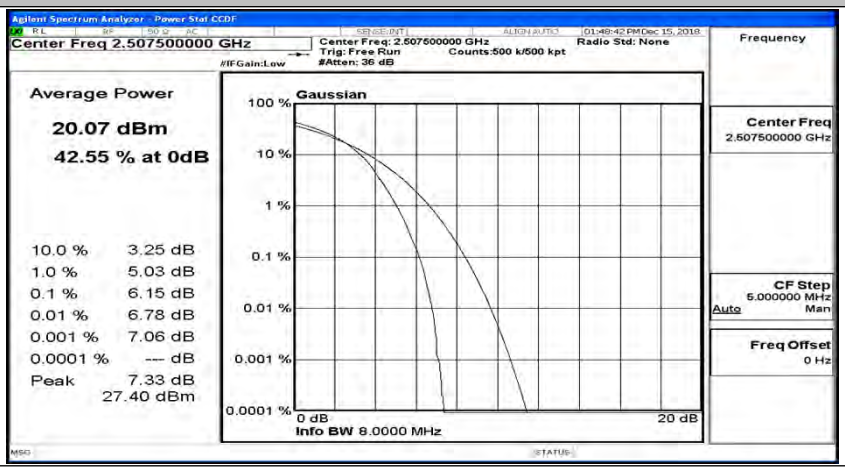
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



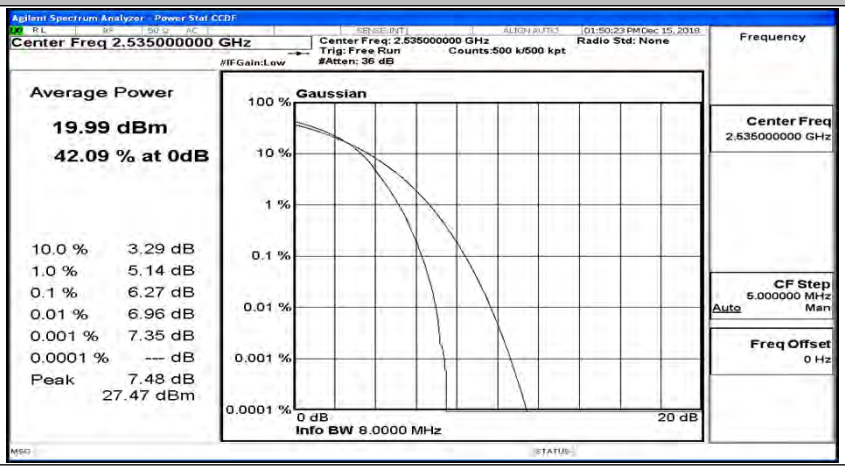
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



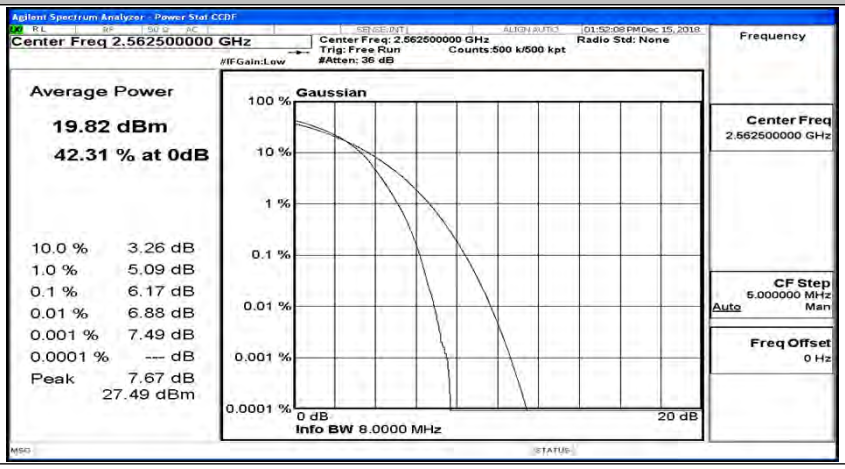
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



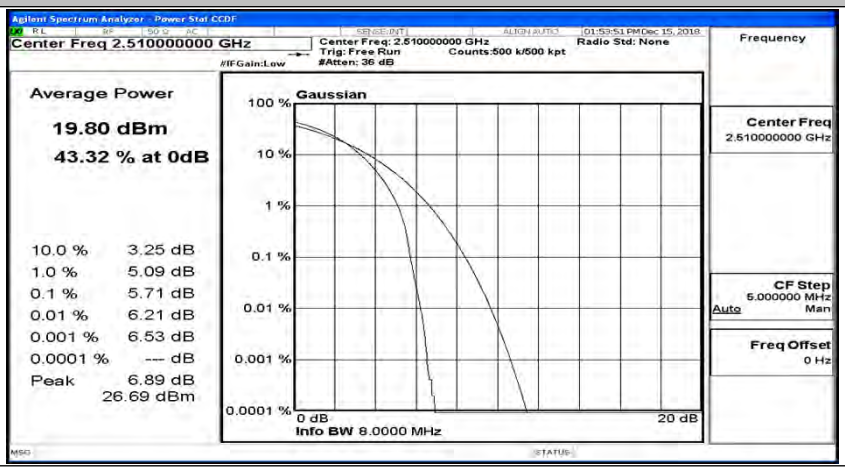
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



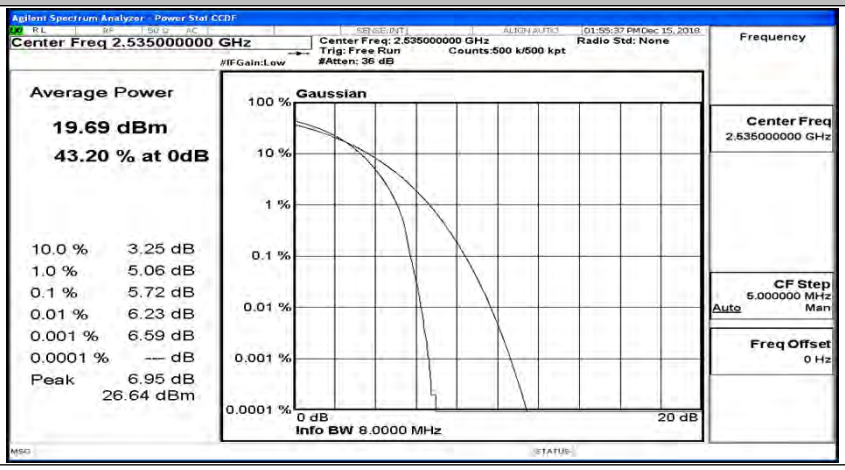
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



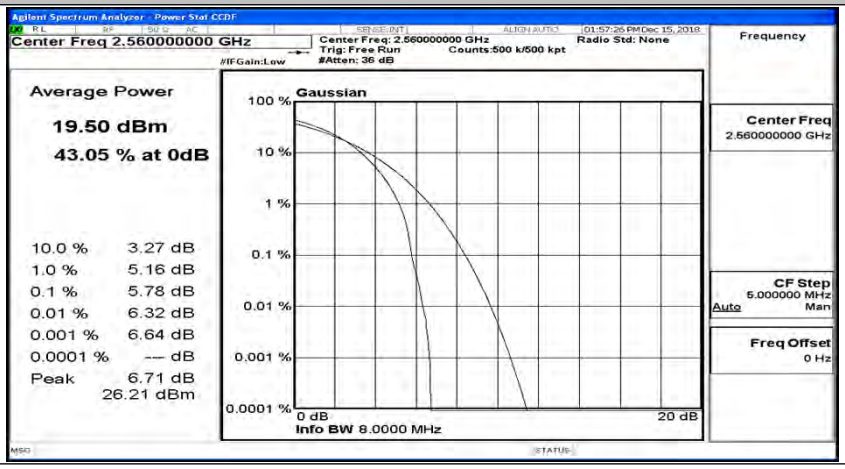
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



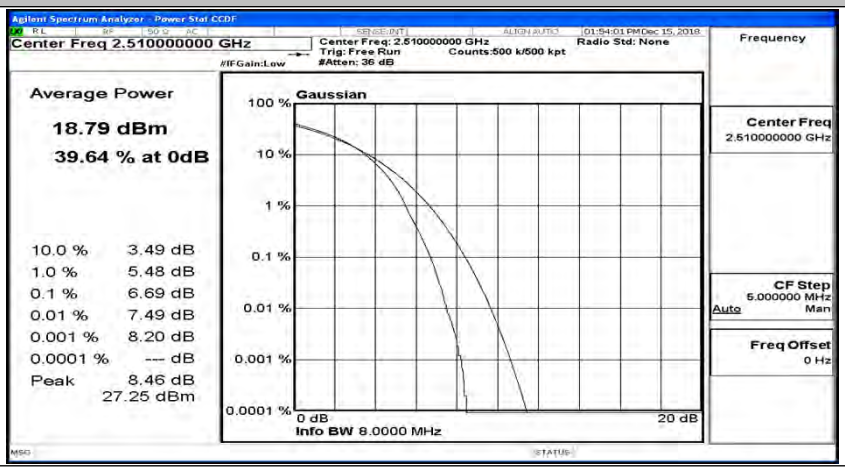
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



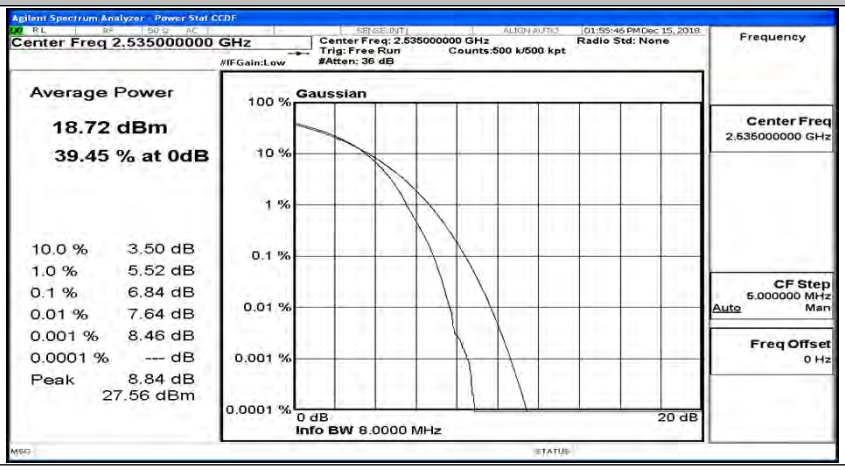
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



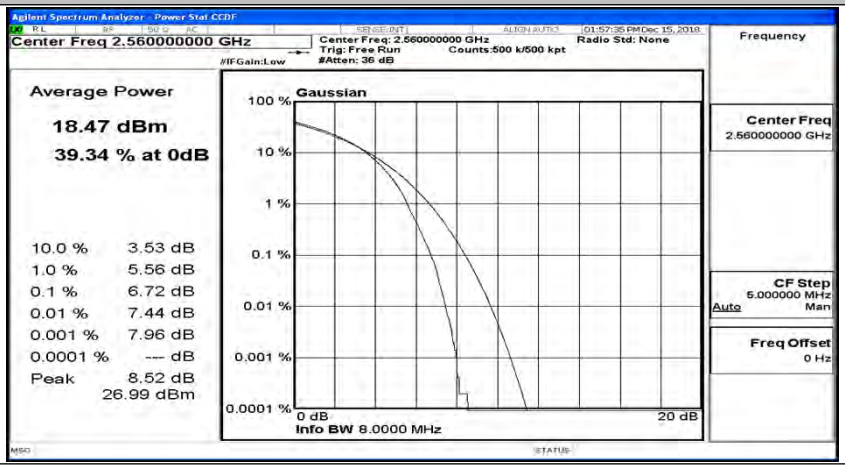
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



D.3 26dB Bandwidth and Occupied Bandwidth

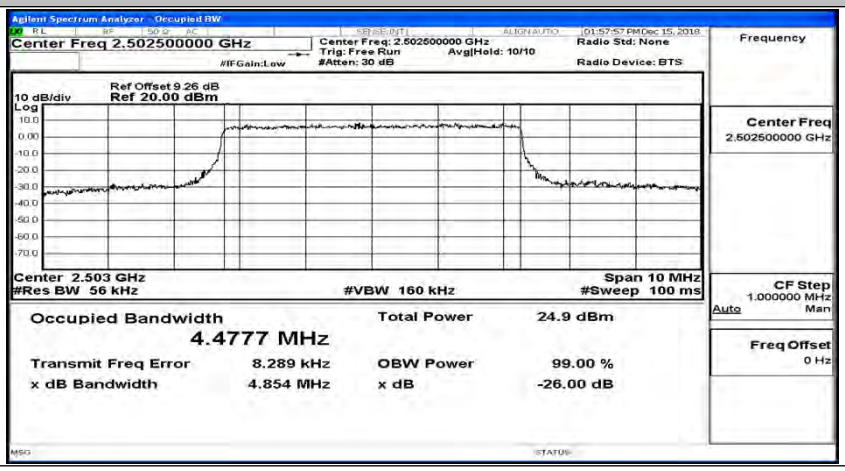
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4777	4.854	PASS
	MCH	4.4744	4.872	PASS
	HCH	4.4849	4.904	PASS
16QAM	LCH	4.4807	4.838	PASS
	MCH	4.4859	4.837	PASS
	HCH	4.4809	4.920	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9376	9.560	PASS
	MCH	8.9418	9.604	PASS
	HCH	8.9386	9.526	PASS
16QAM	LCH	8.9452	9.560	PASS
	MCH	8.9422	9.473	PASS
	HCH	8.9390	9.578	PASS

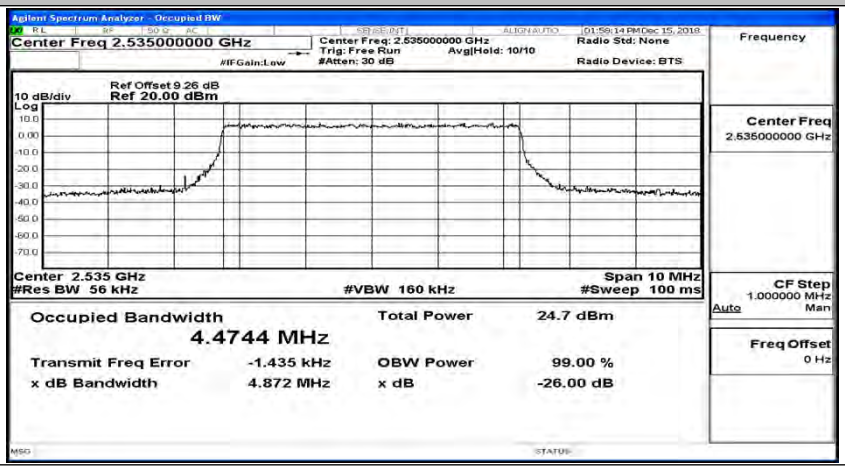
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.385	14.08	PASS
	MCH	13.404	14.19	PASS
	HCH	13.408	14.11	PASS
16QAM	LCH	13.386	14.06	PASS
	MCH	13.402	14.15	PASS
	HCH	13.408	14.14	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.843	18.61	PASS
	MCH	17.868	18.68	PASS
	HCH	17.874	18.65	PASS
16QAM	LCH	17.852	18.58	PASS
	MCH	17.872	18.68	PASS
	HCH	17.855	18.75	PASS

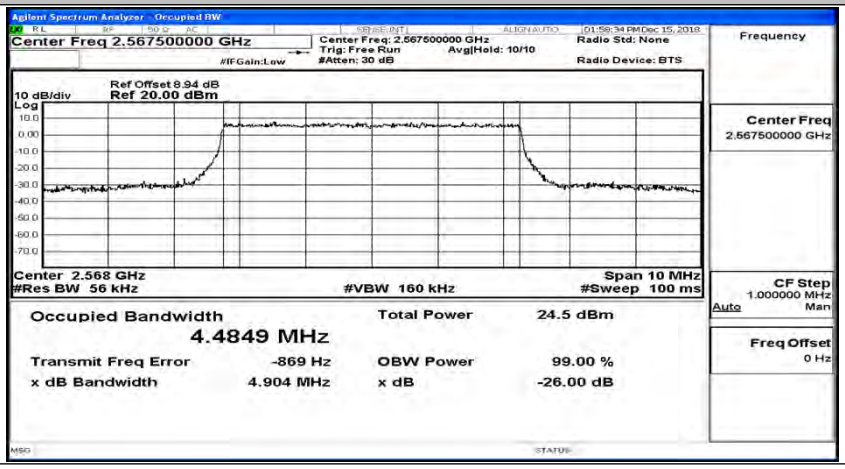
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



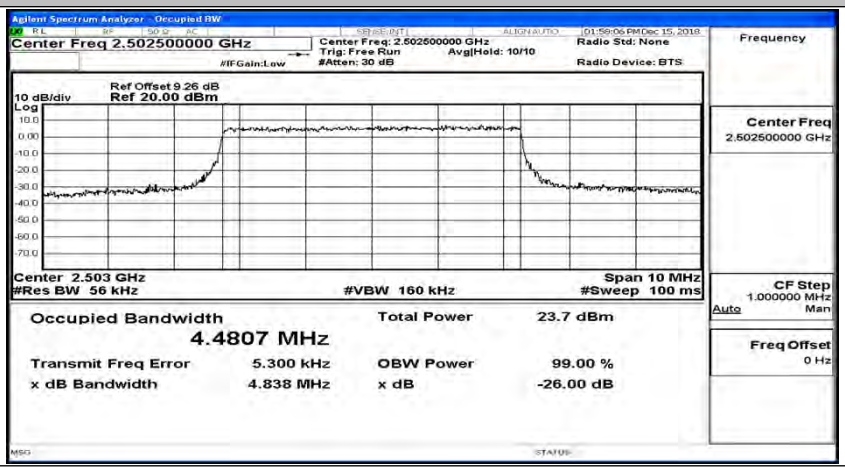
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



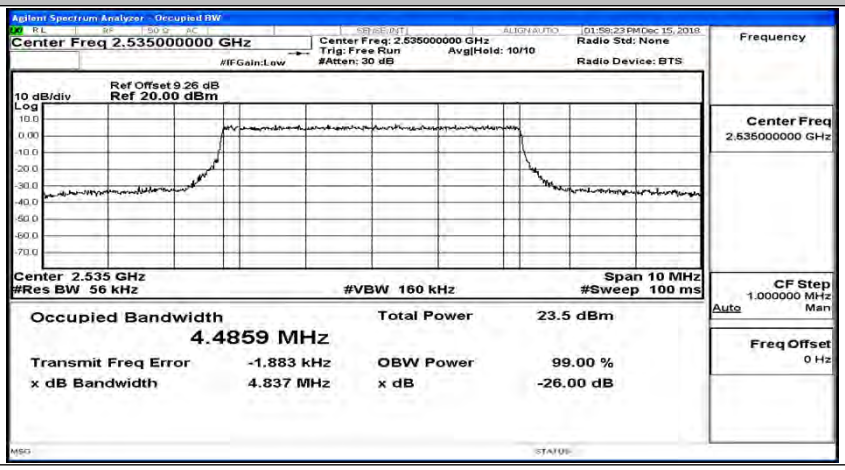
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



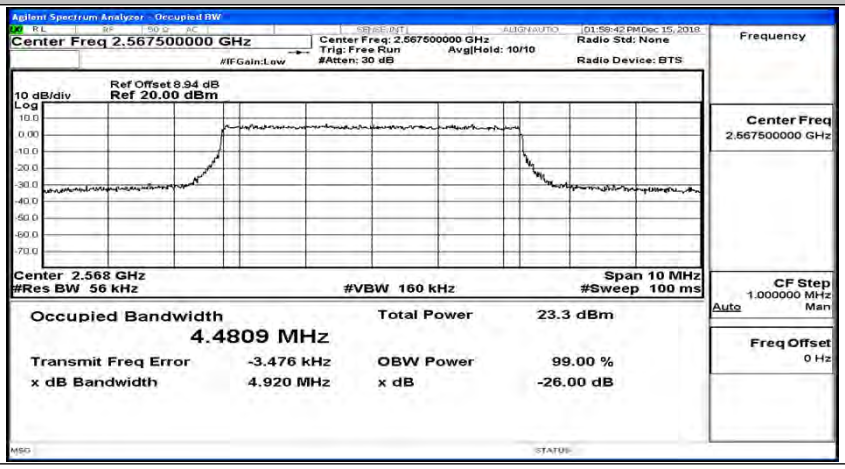
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



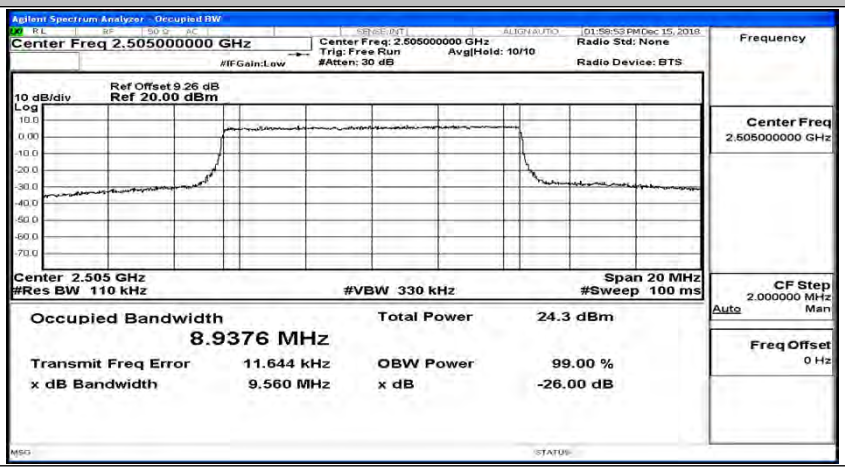
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



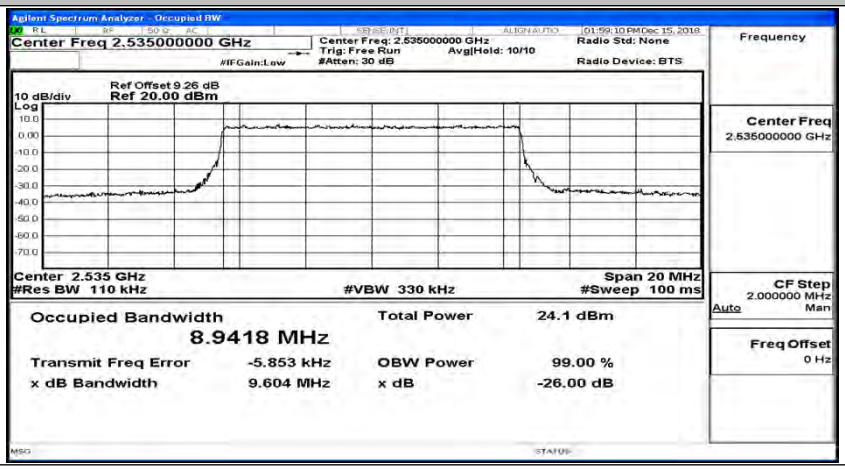
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



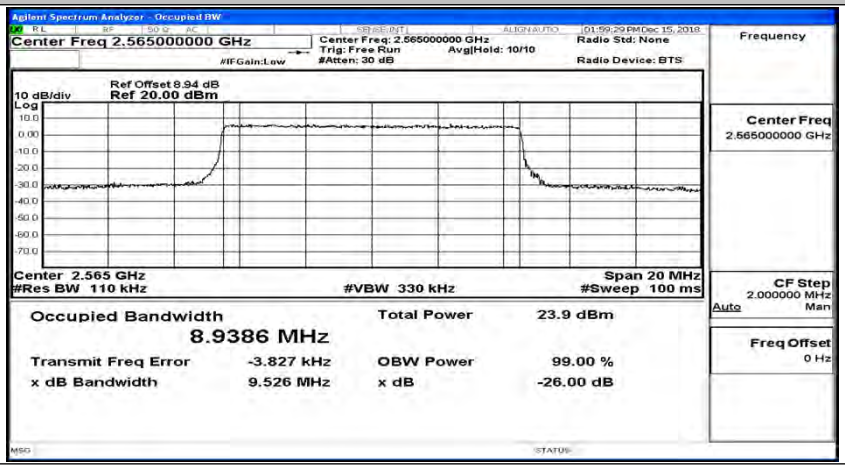
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



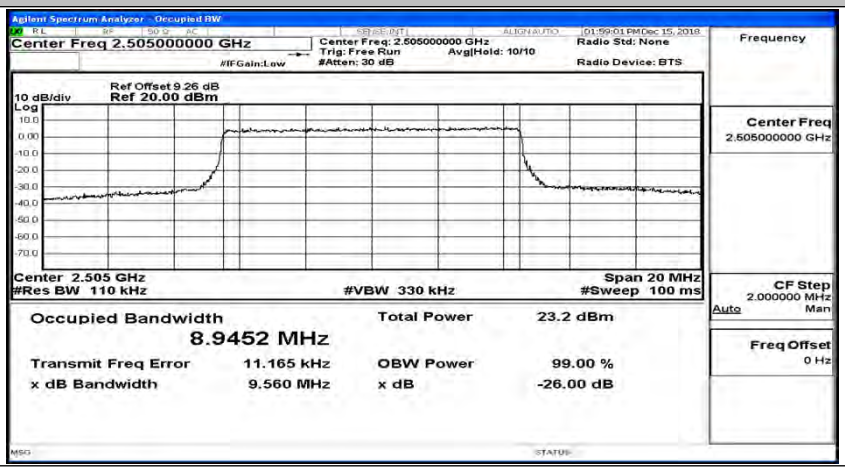
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



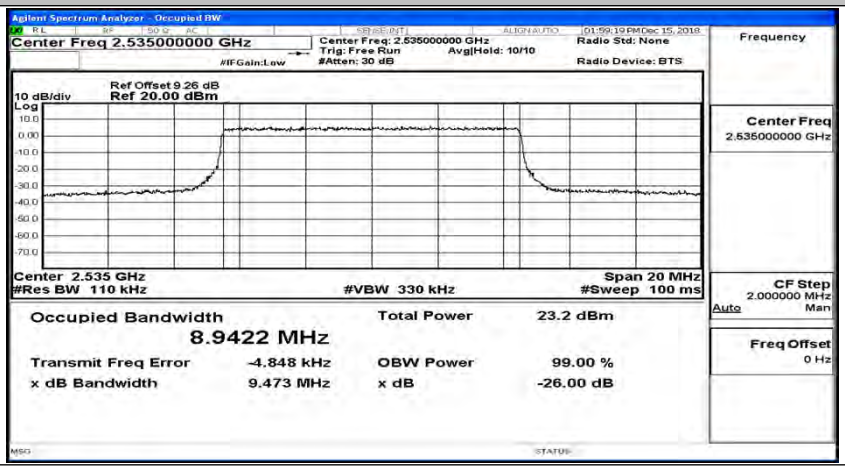
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



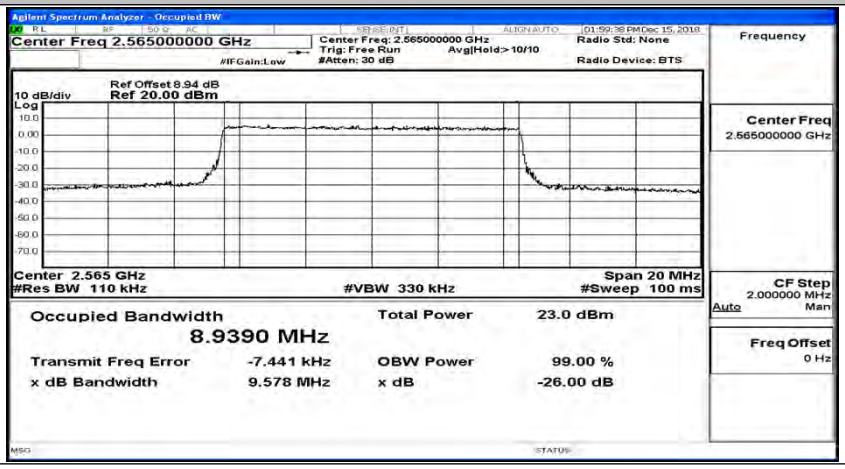
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



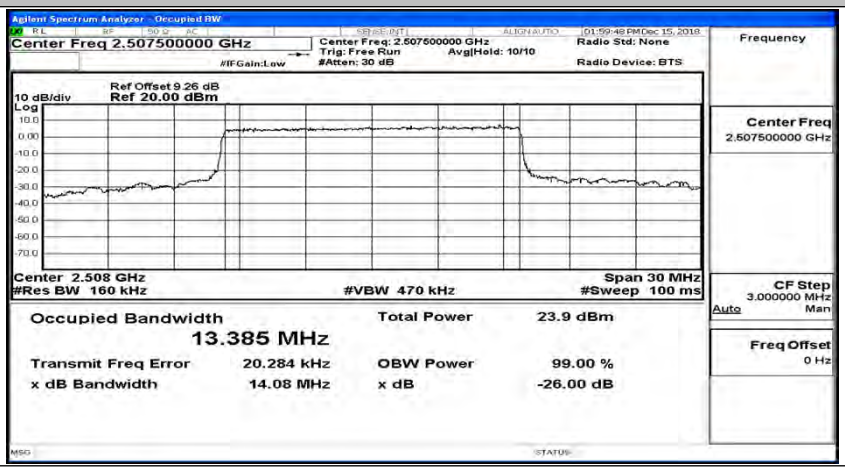
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



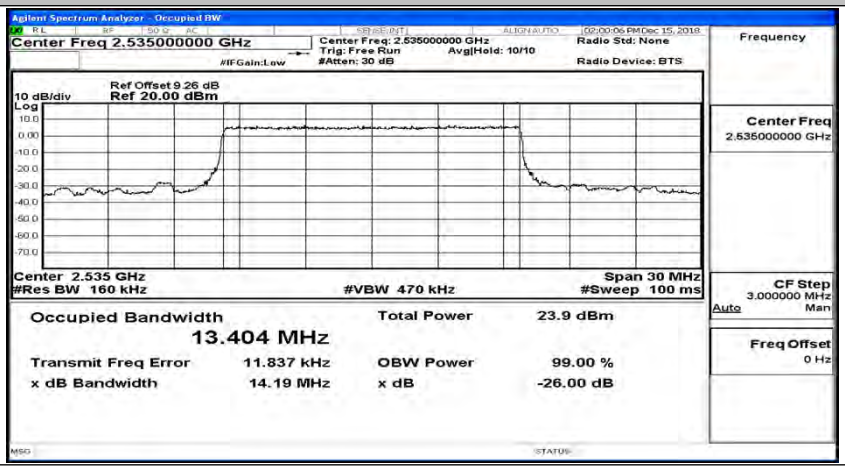
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



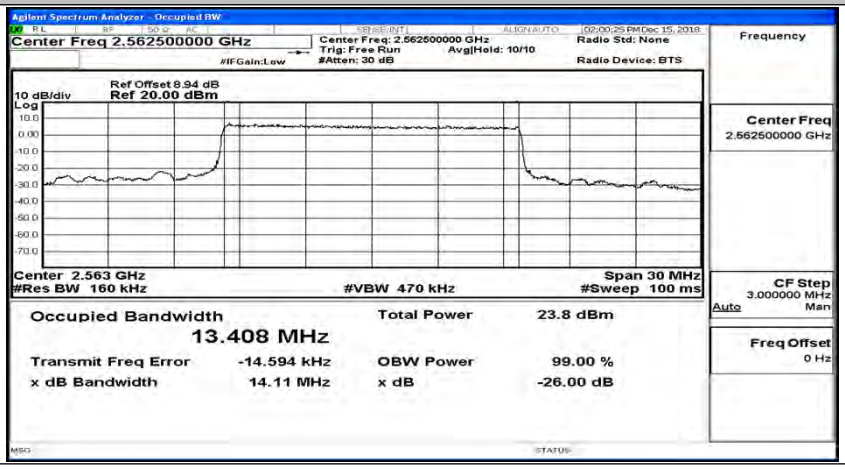
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



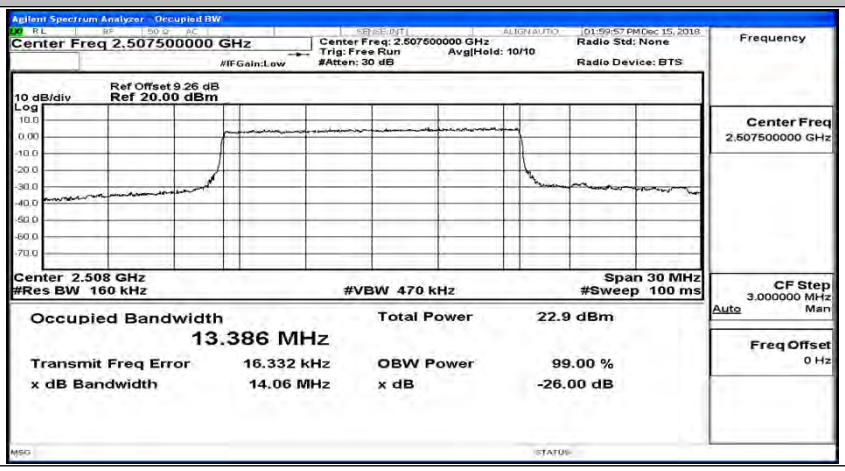
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



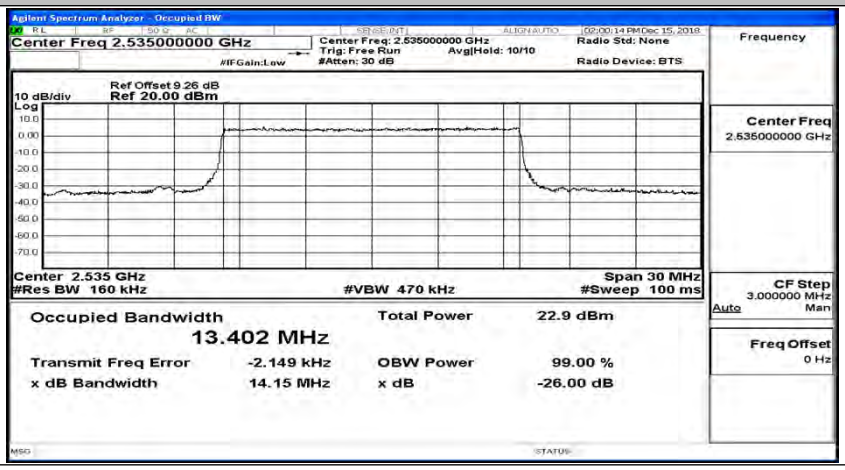
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



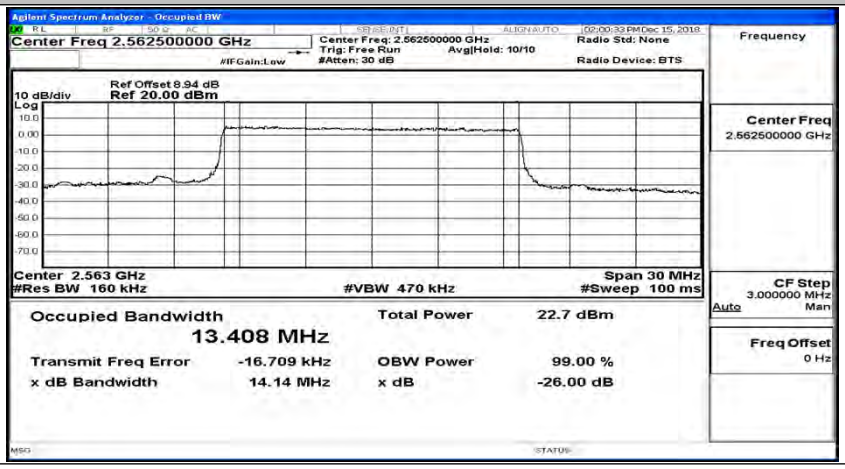
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



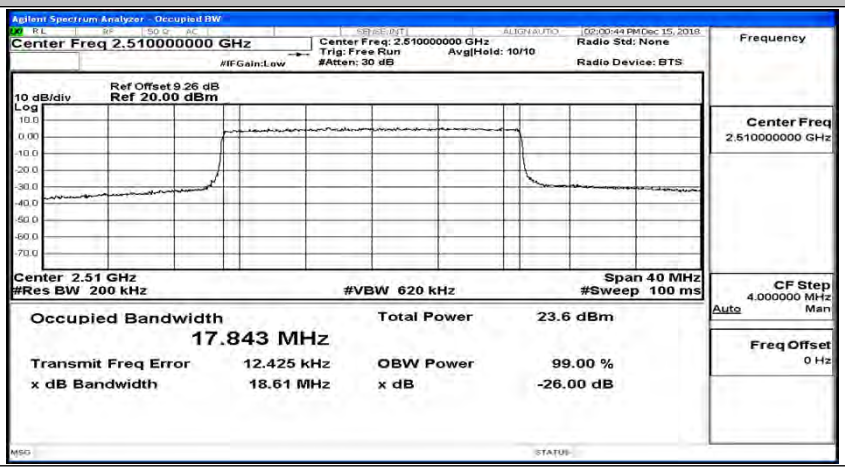
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



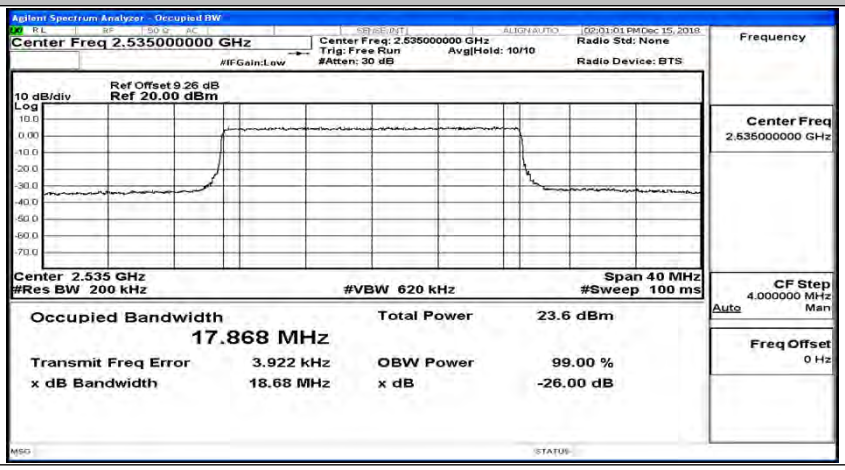
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



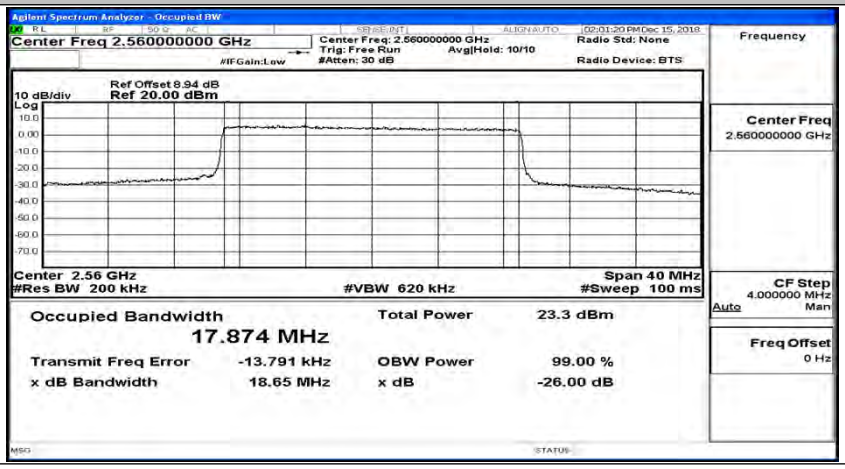
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



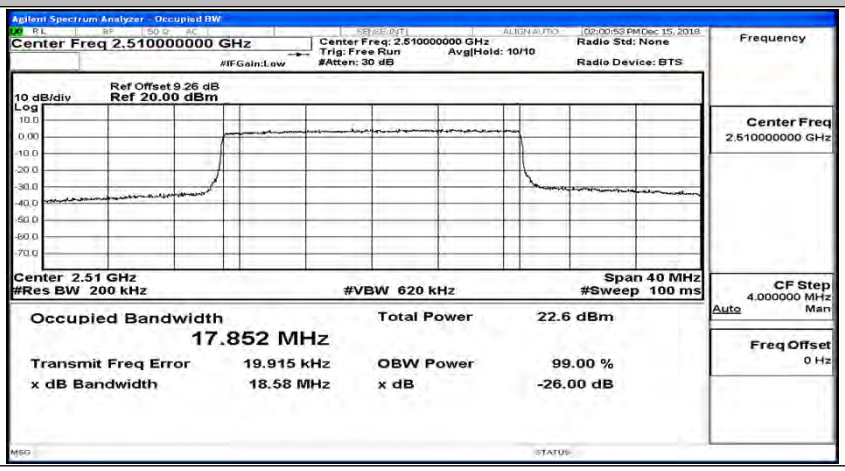
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



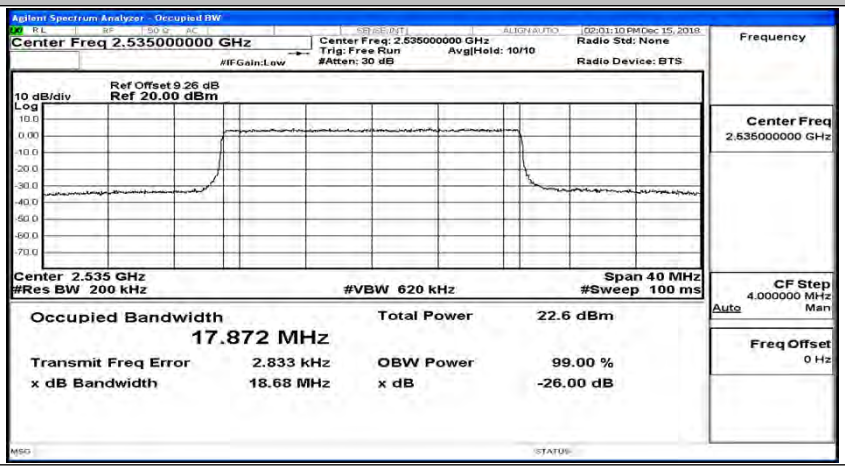
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



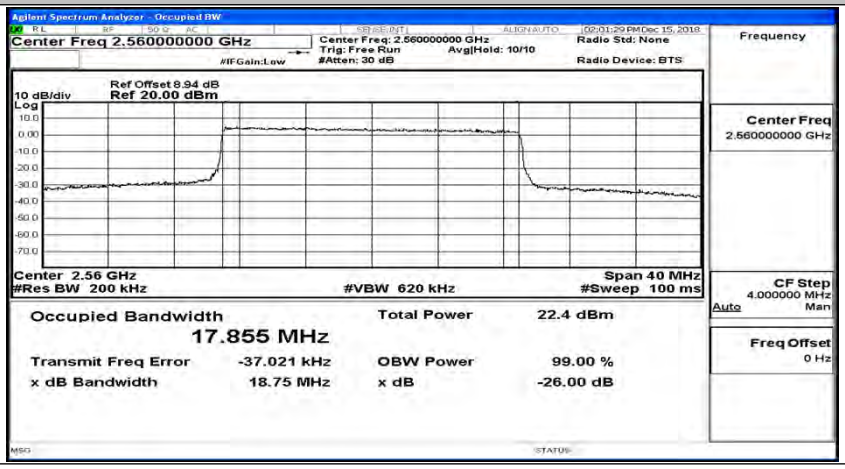
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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

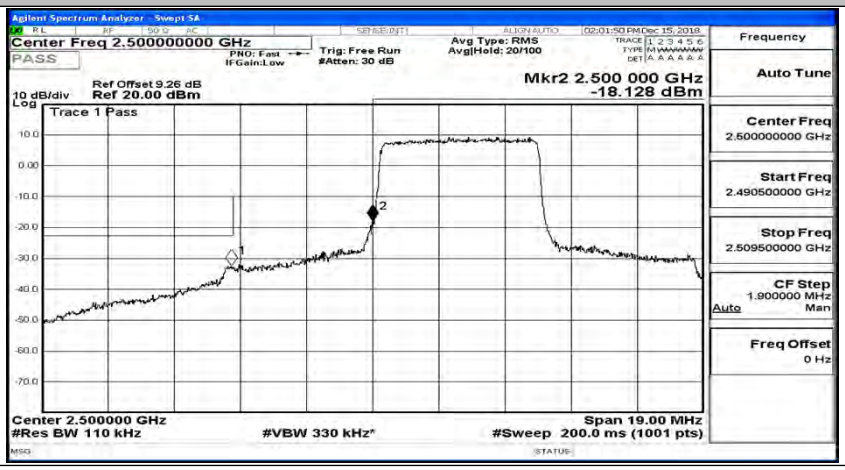


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

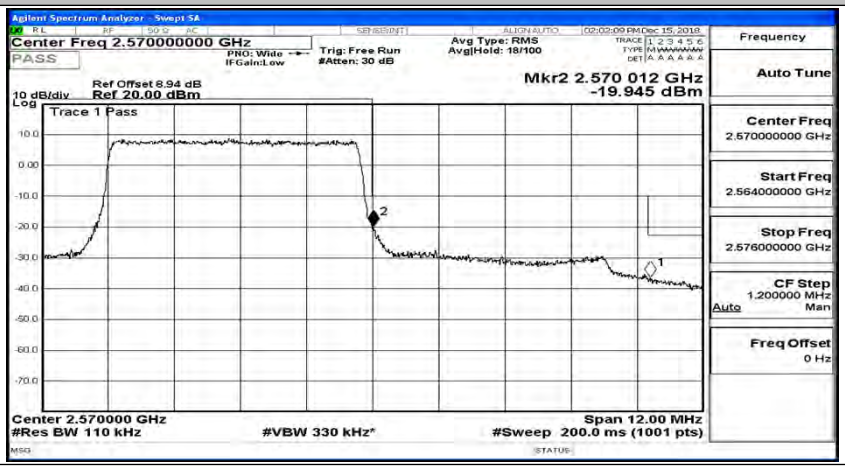


D.4 Band Edge

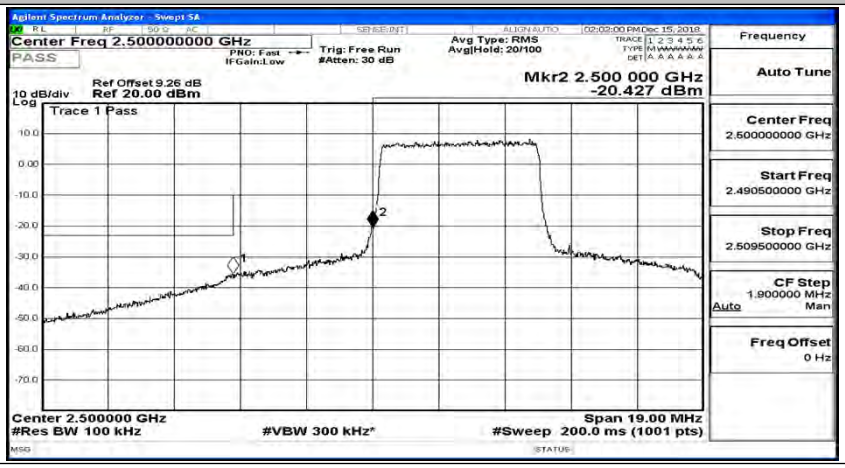
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



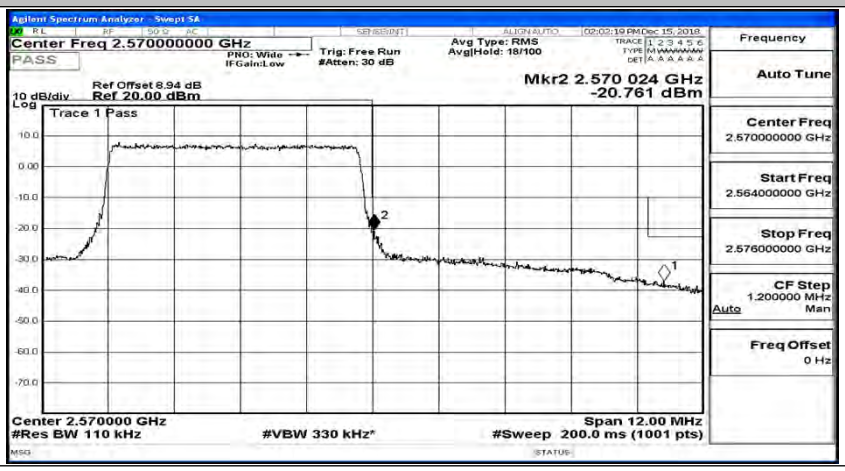
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



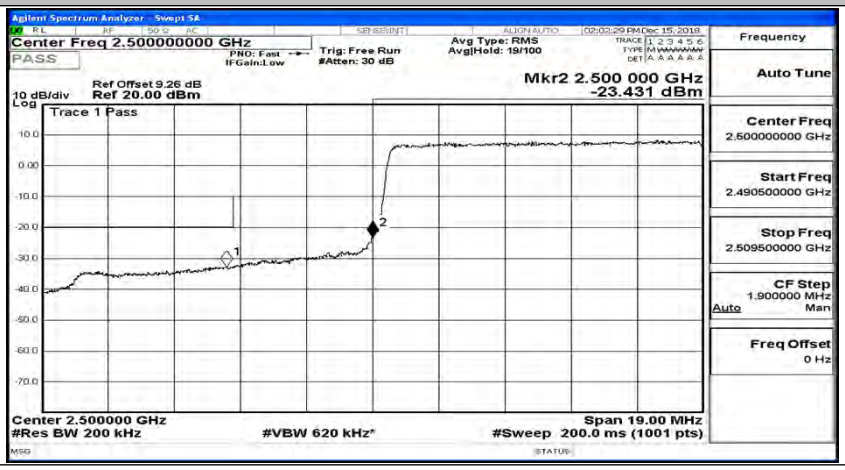
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



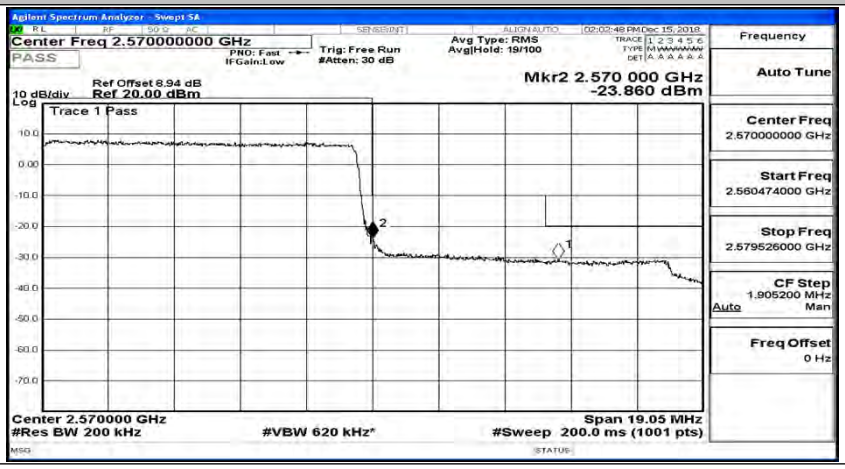
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



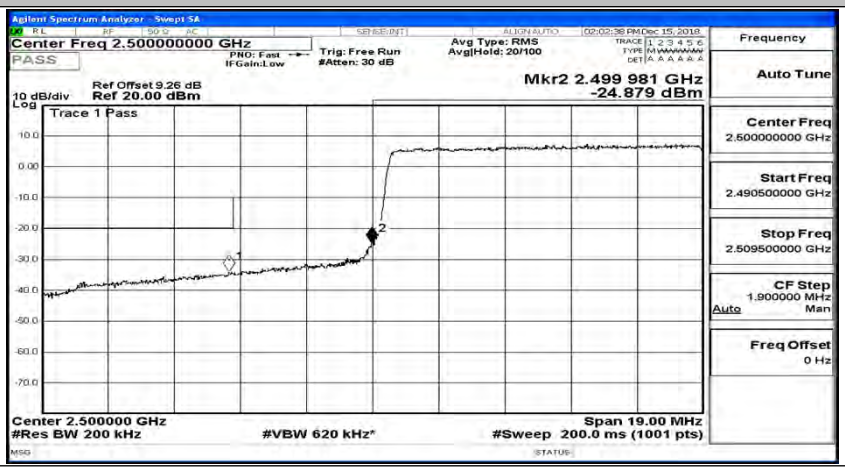
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



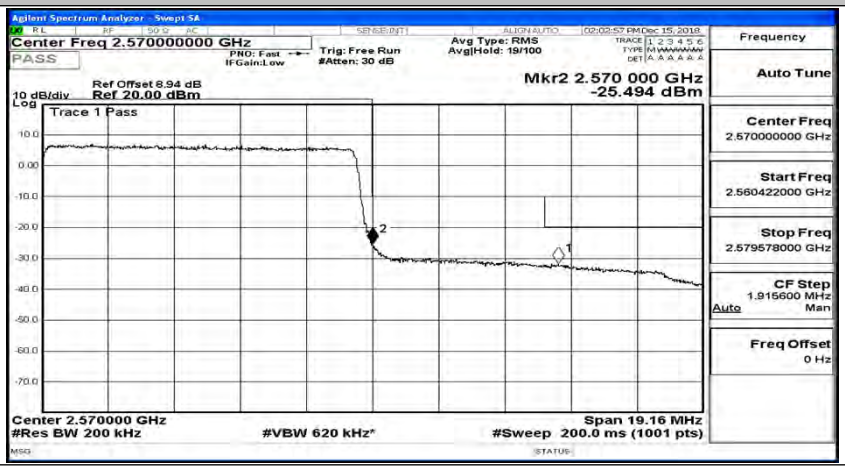
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



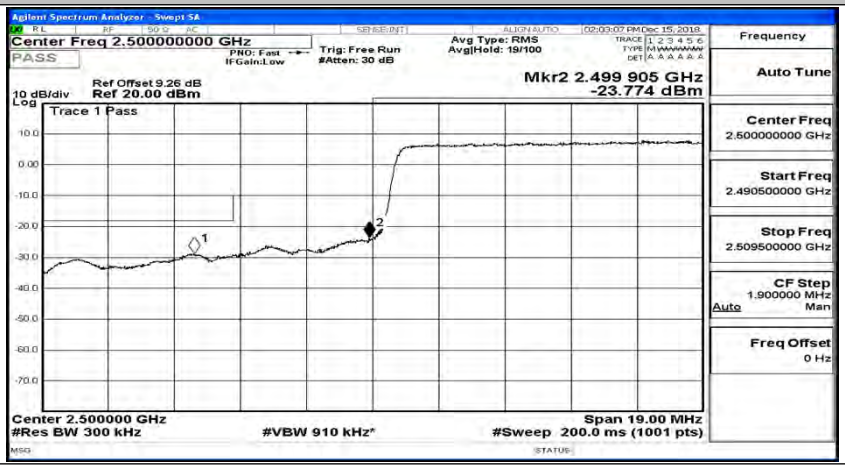
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



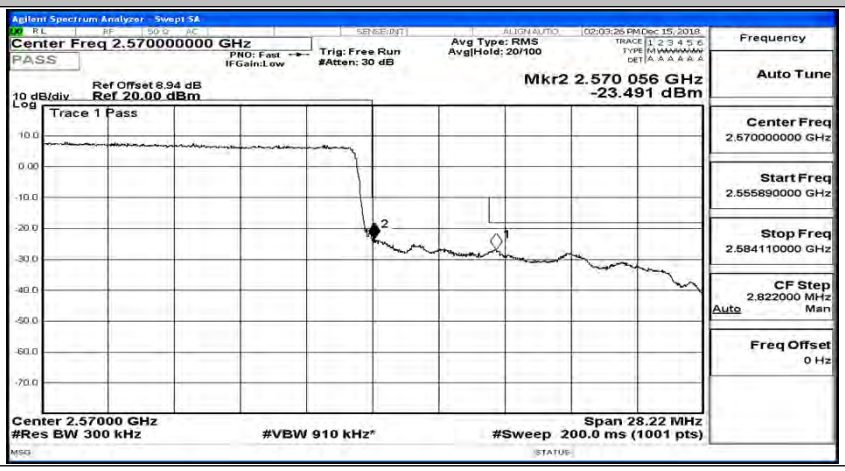
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



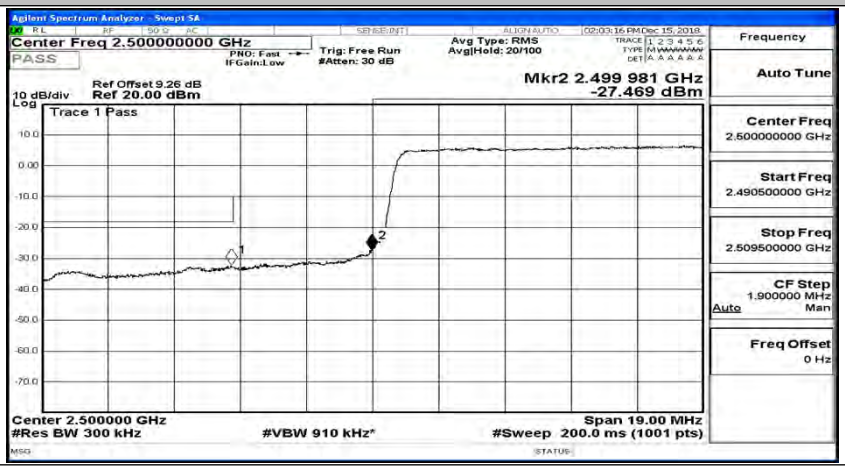
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



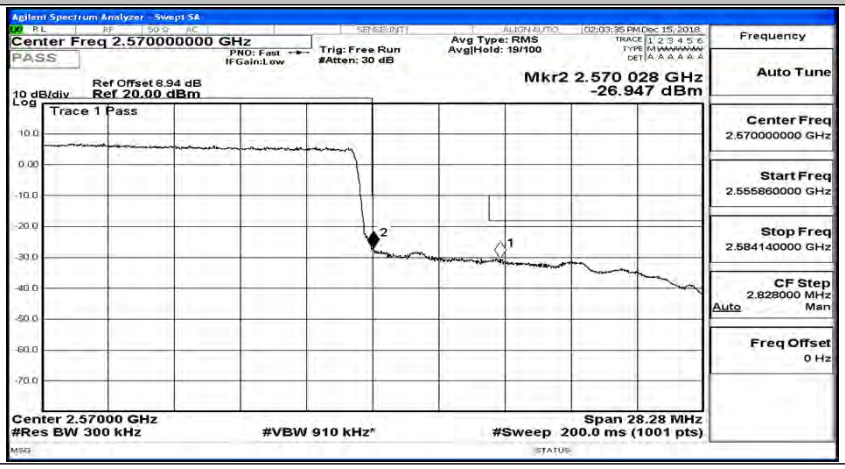
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



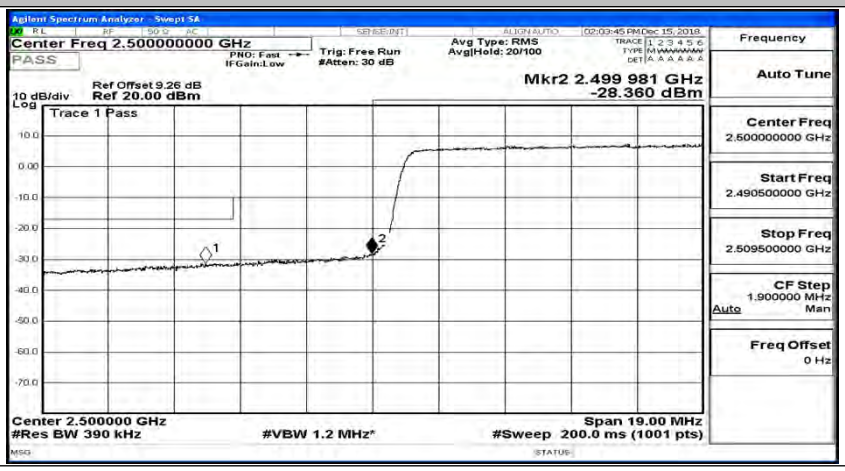
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



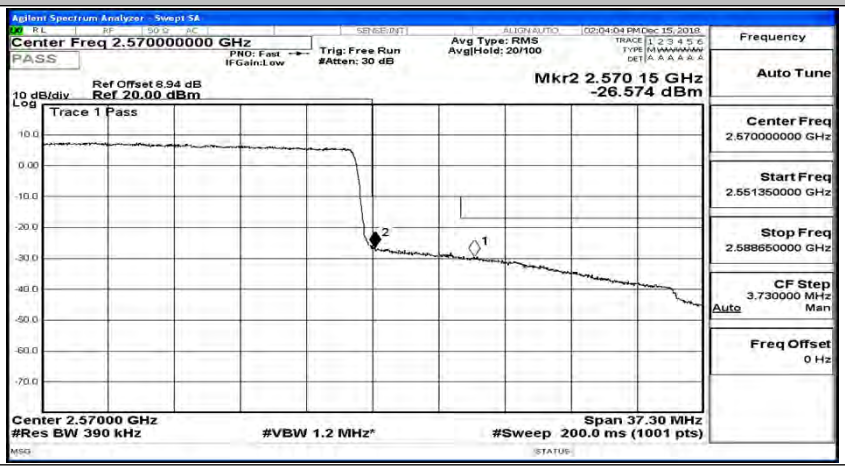
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



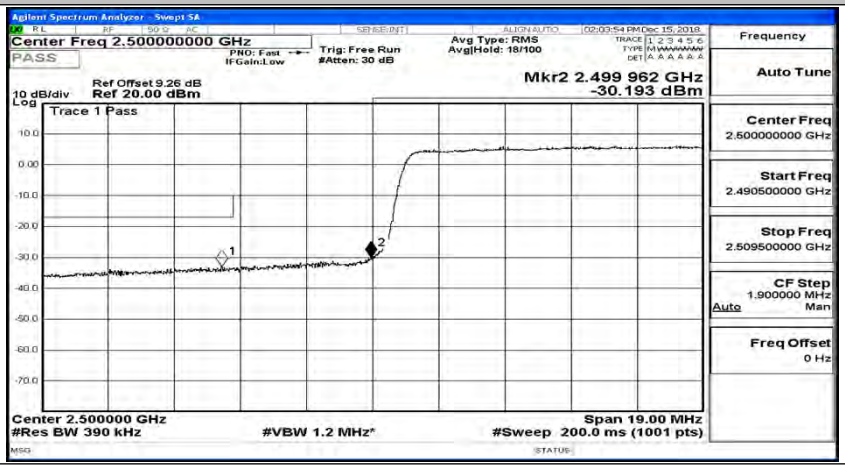
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



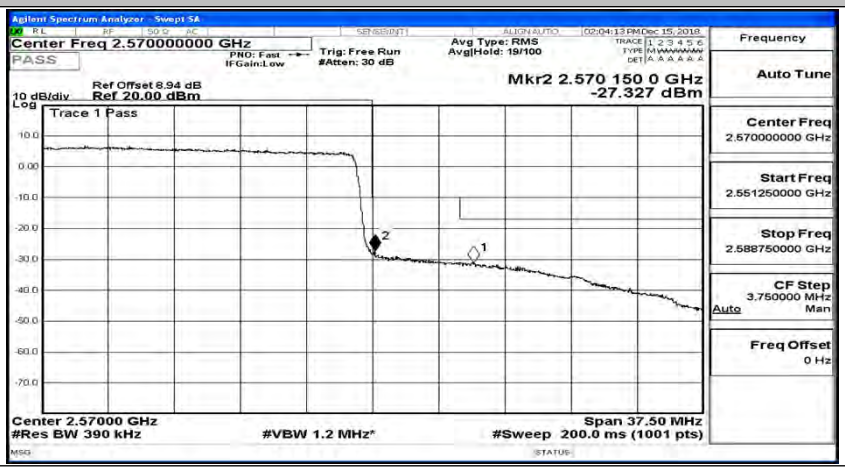
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



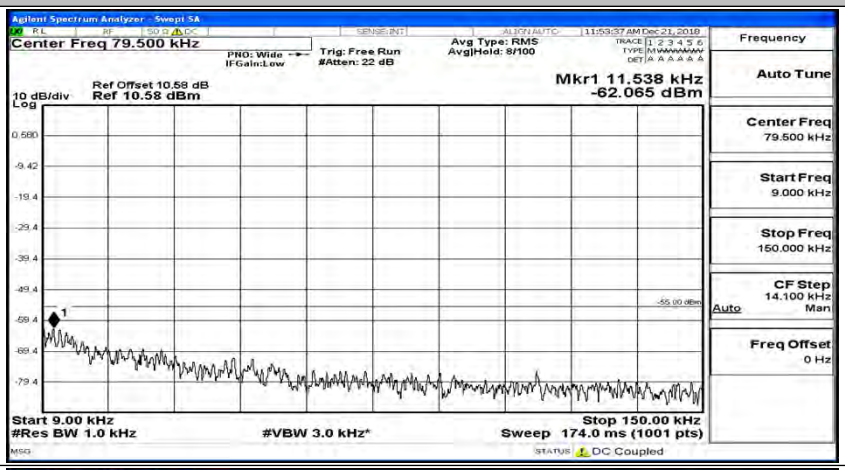
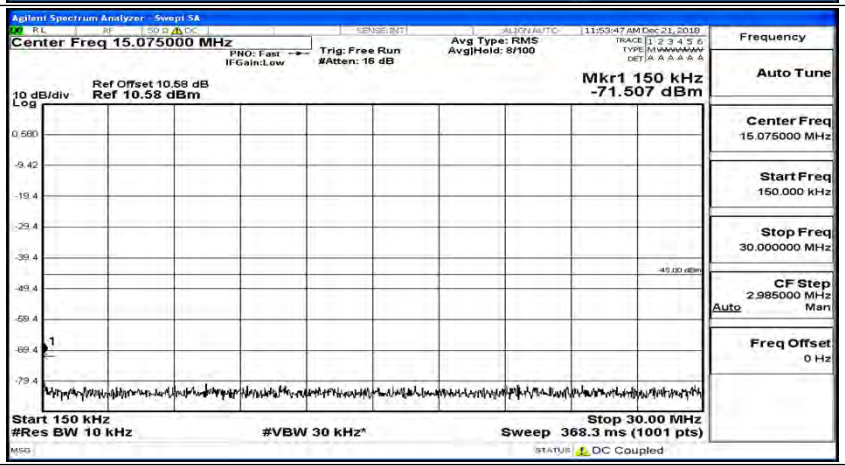
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM

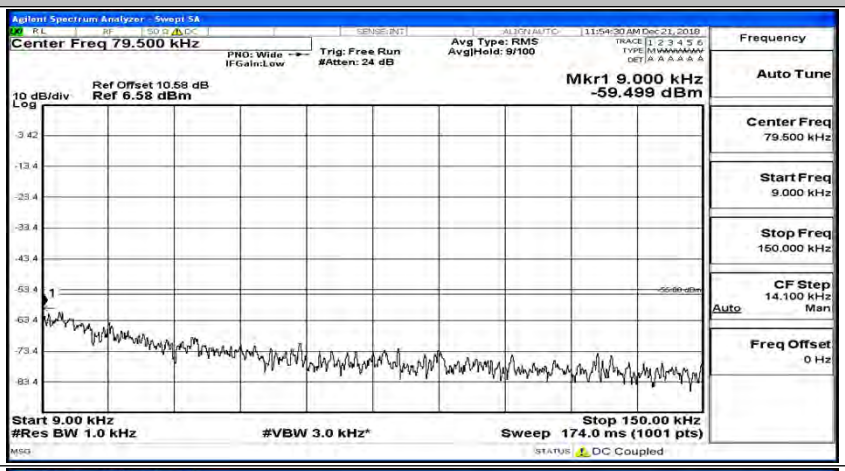
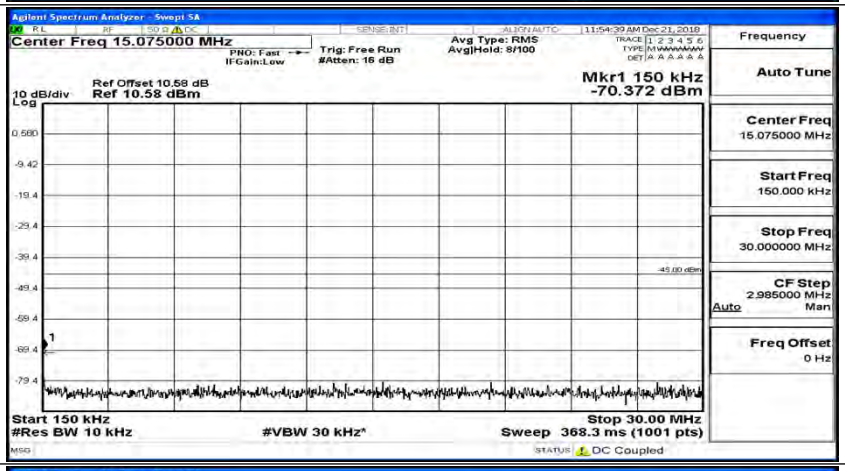


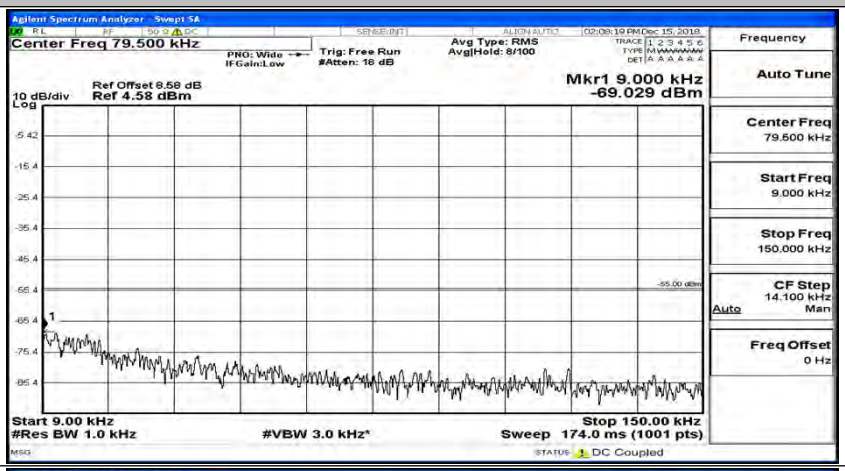
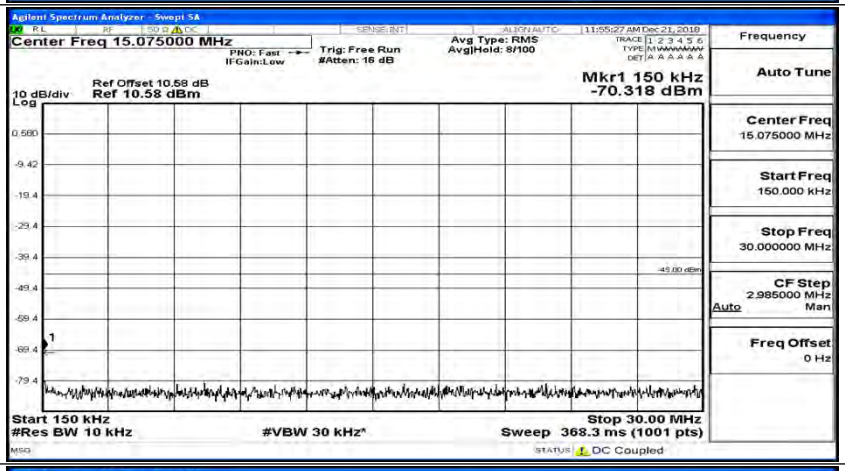
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

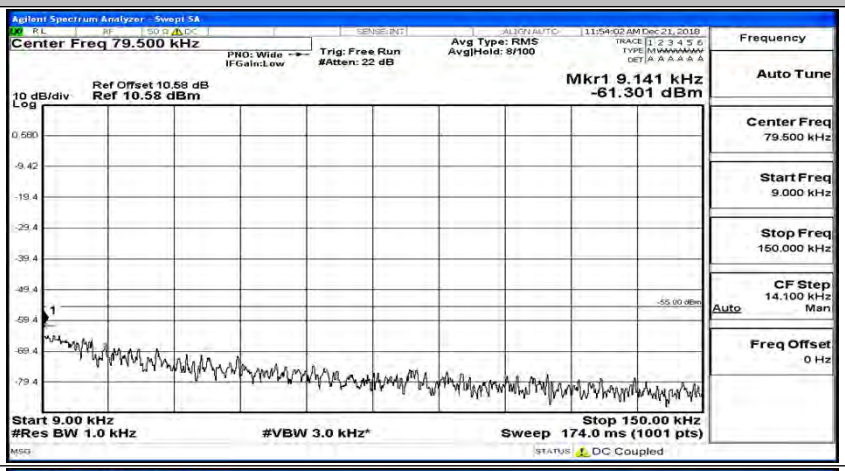
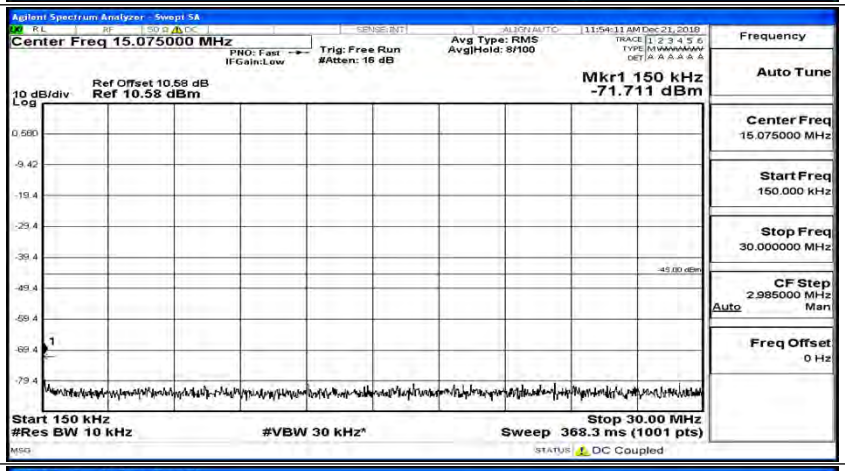


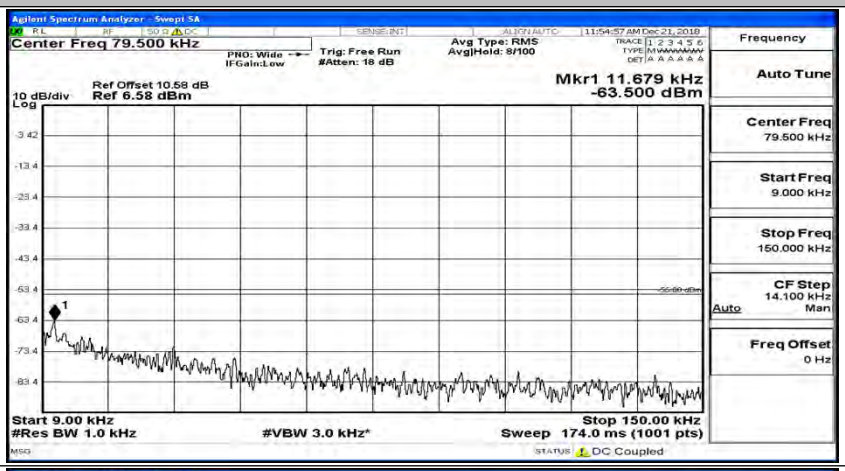
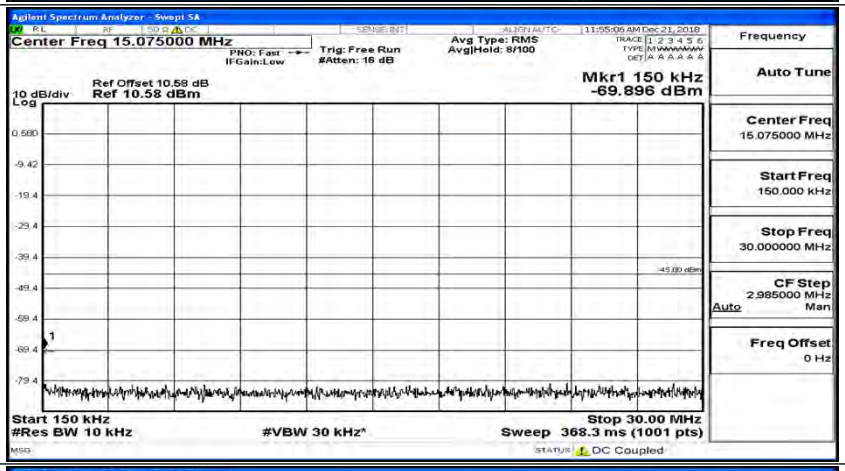
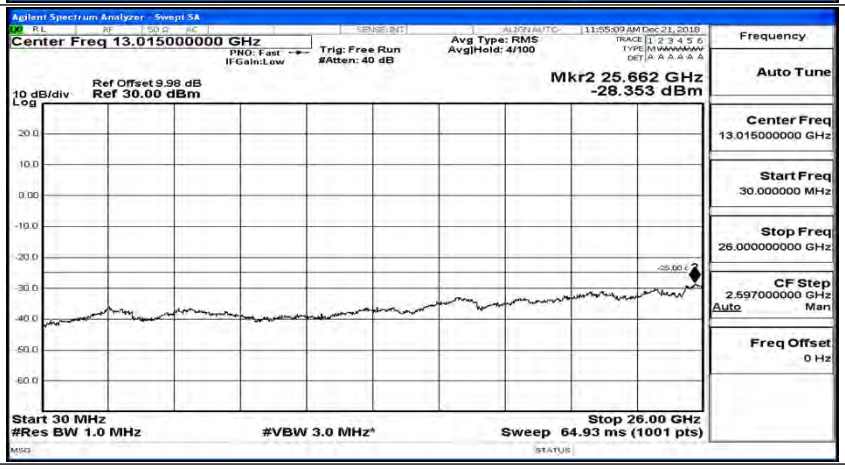
D.5 Conducted Spurious Emission

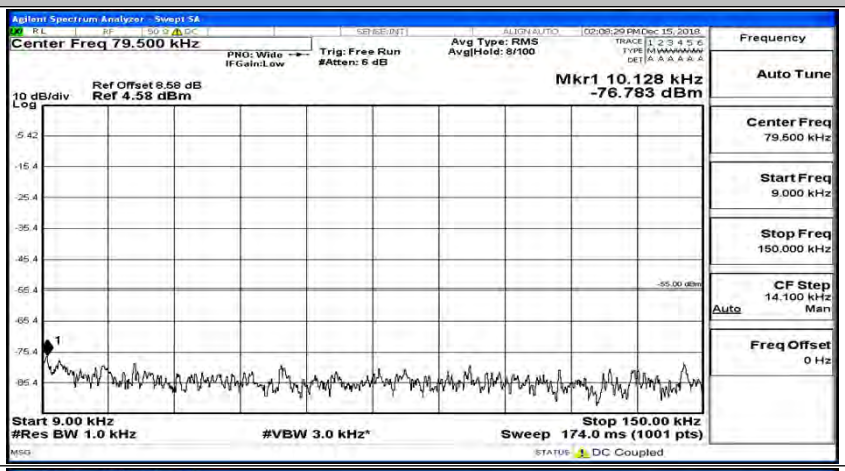
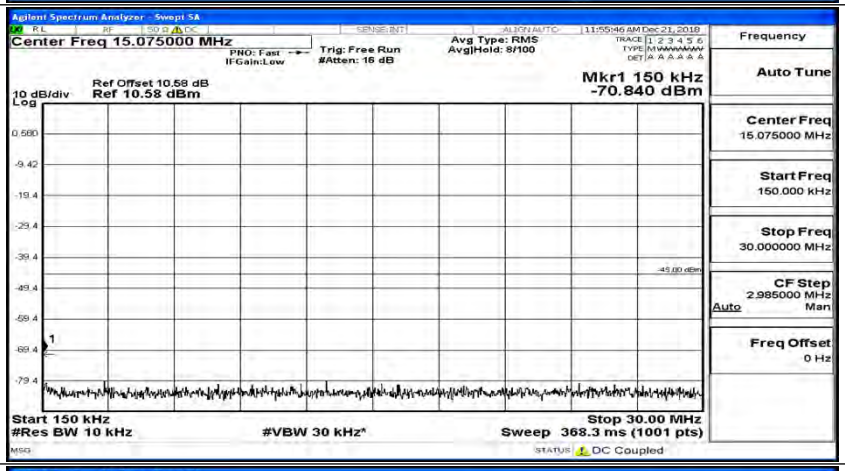
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK




CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



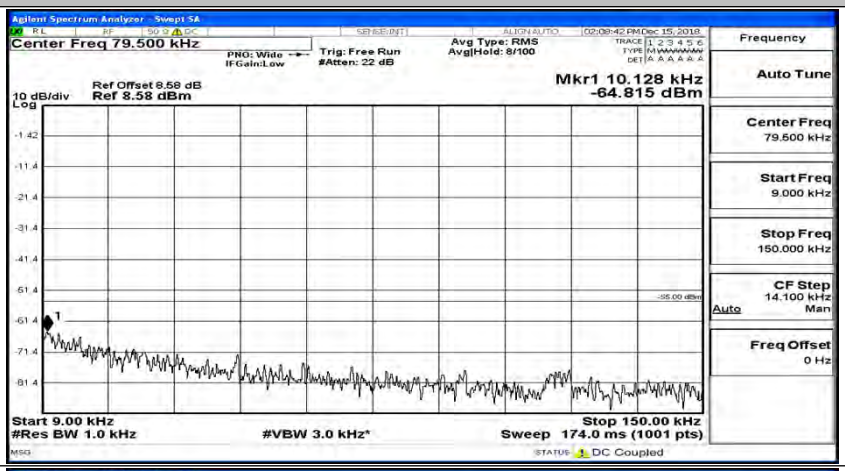

CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



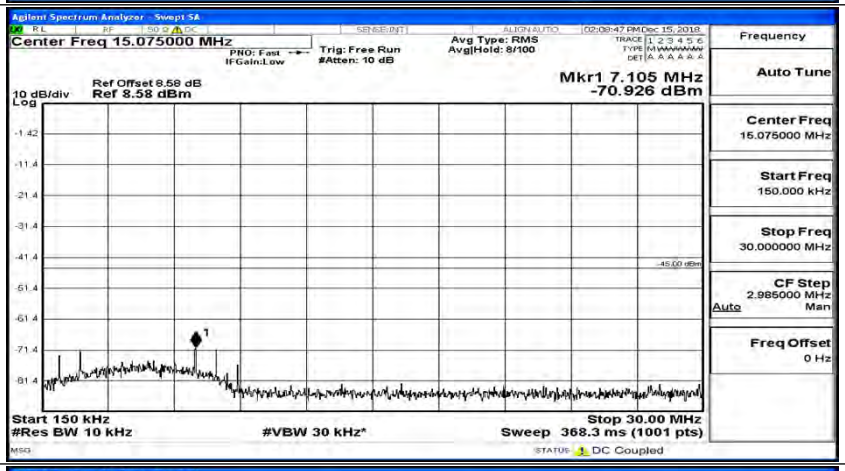

CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



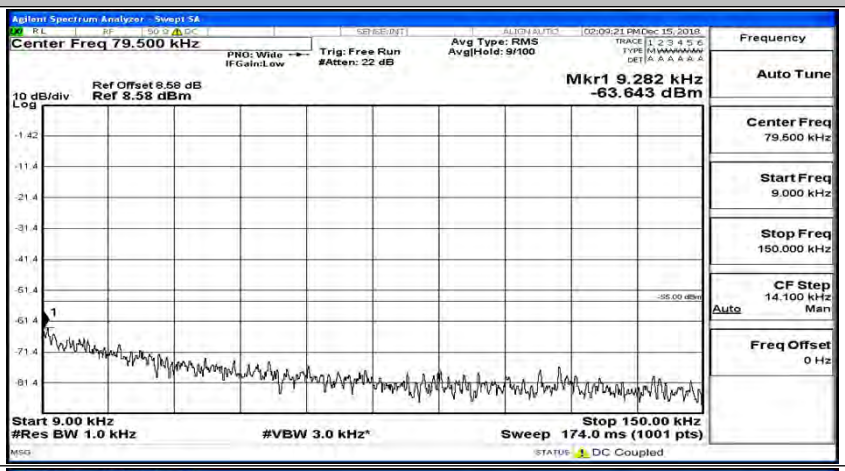
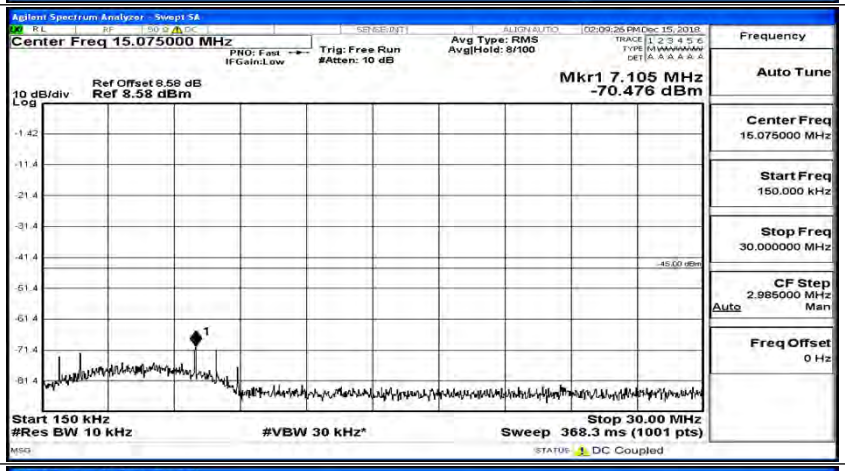

CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM




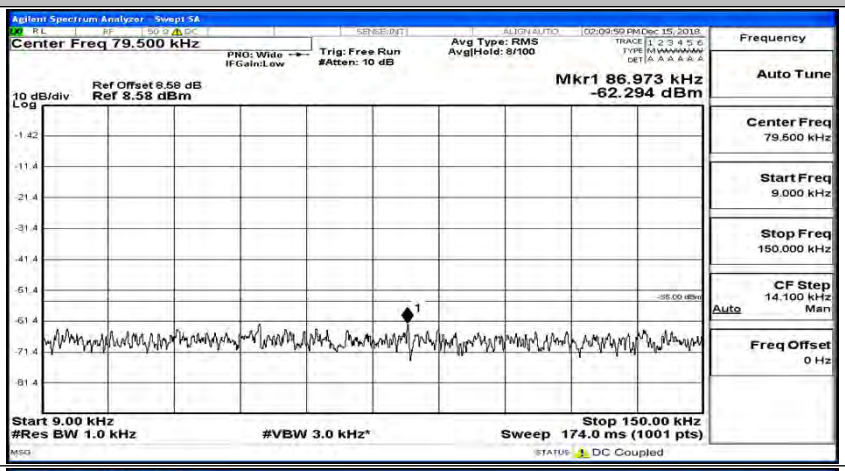
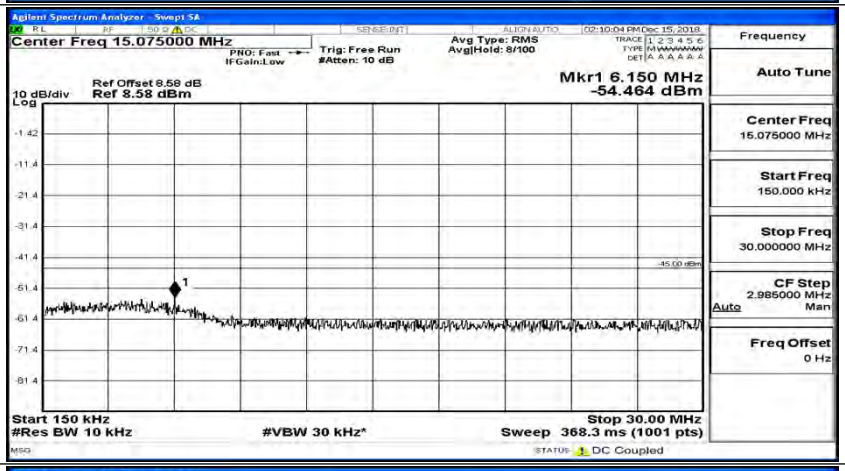
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



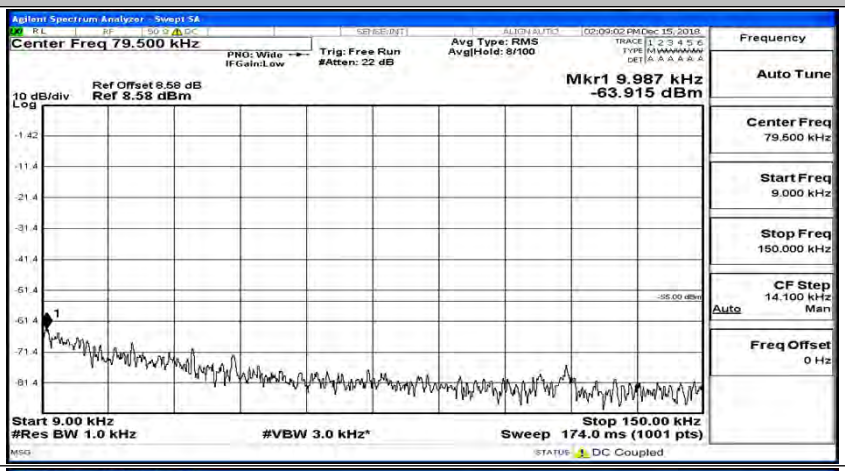
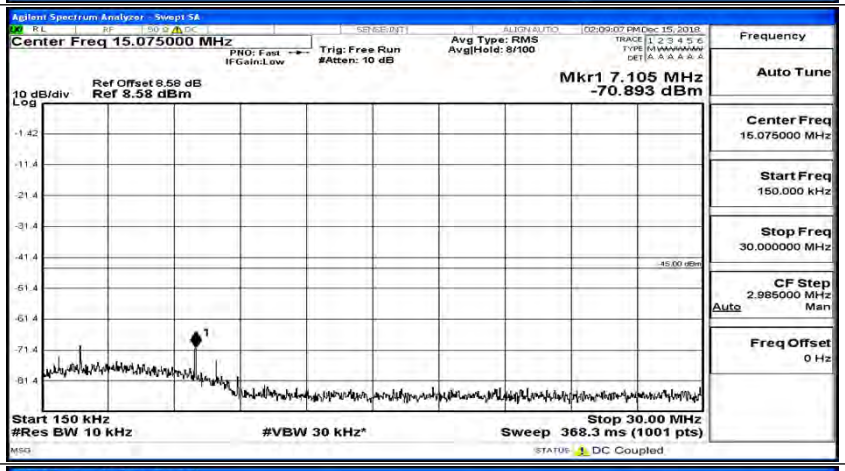

CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

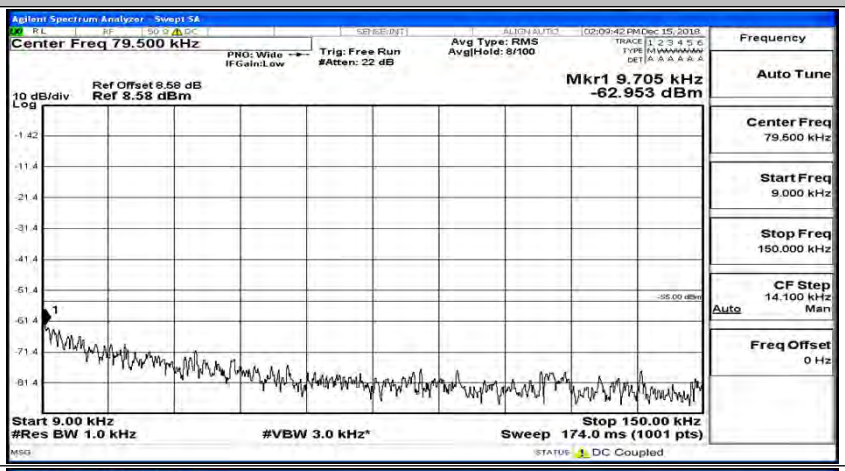
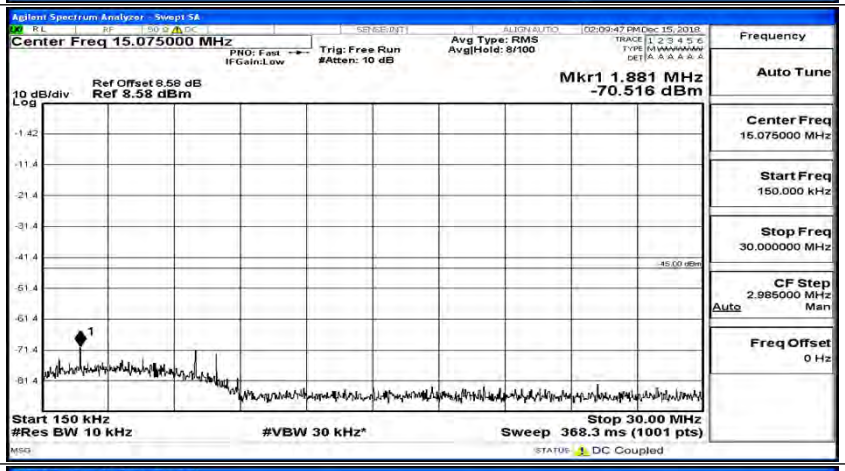


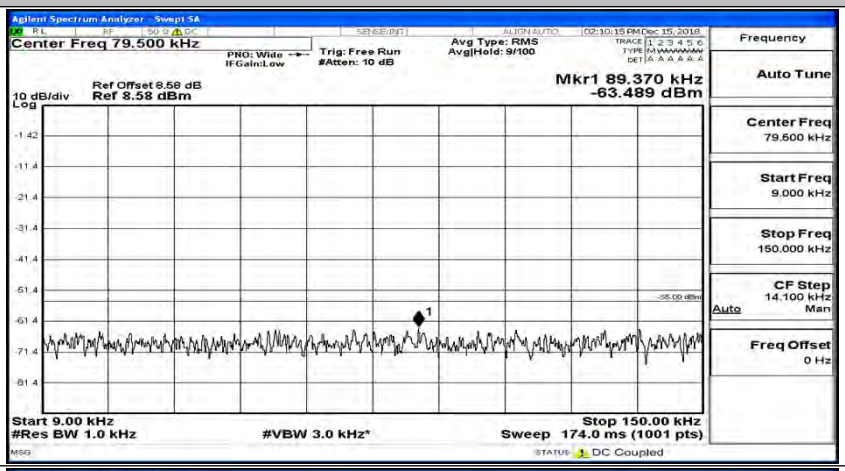
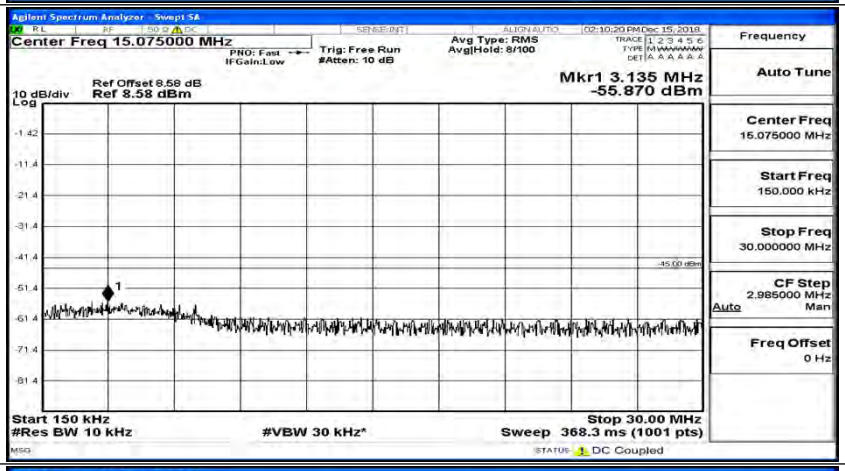


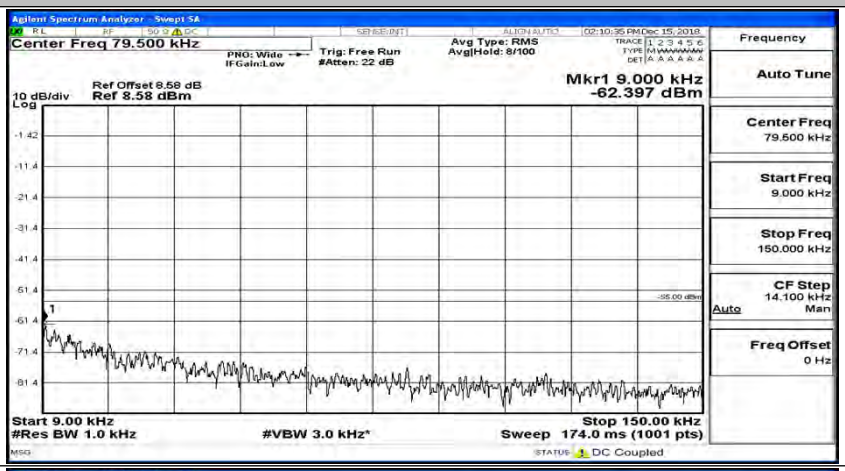
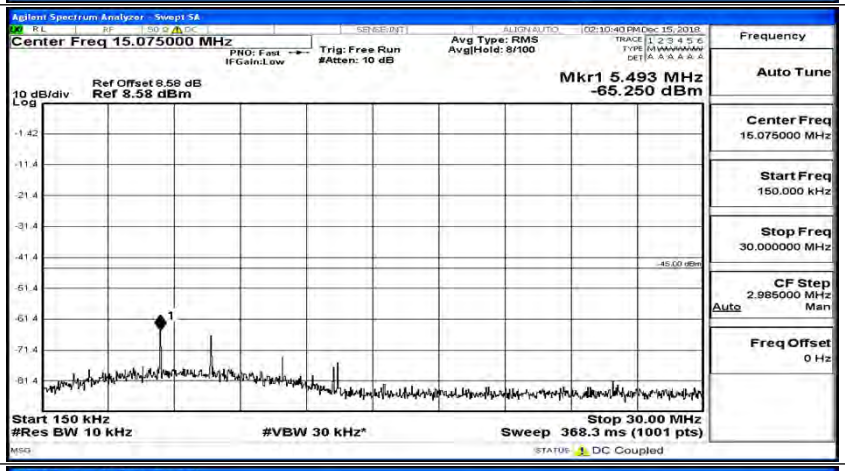
CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



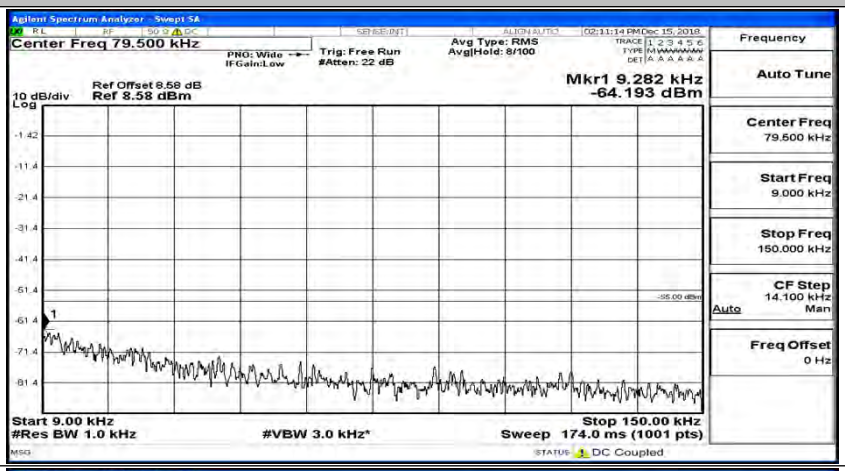
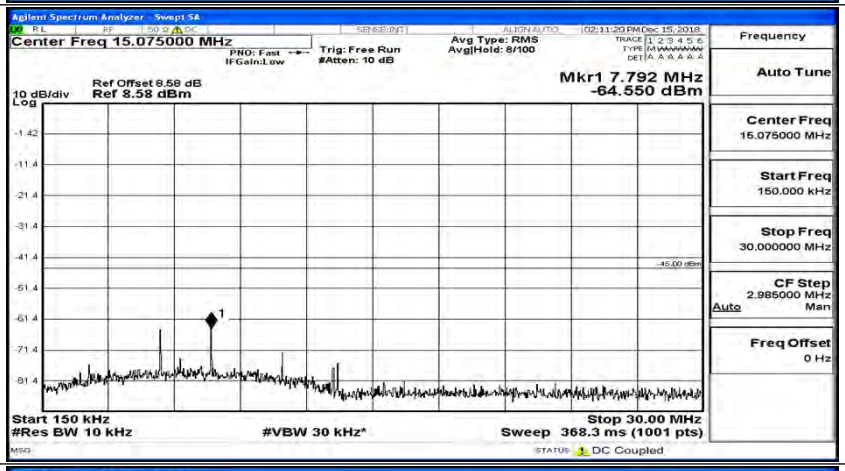

CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



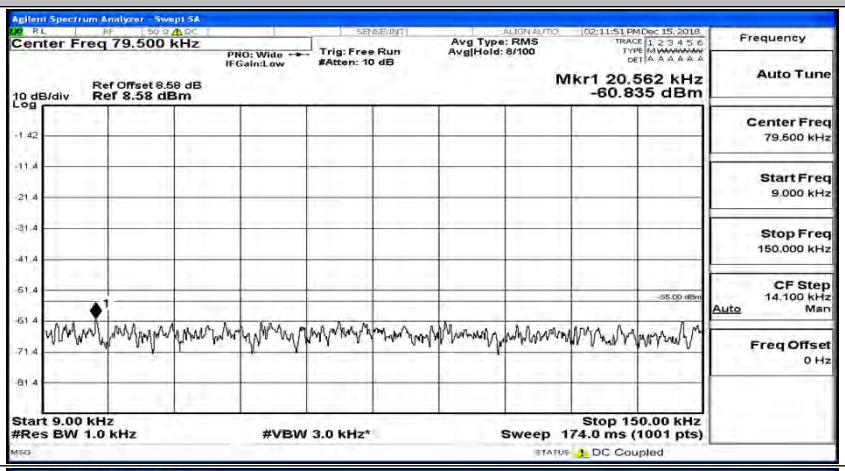
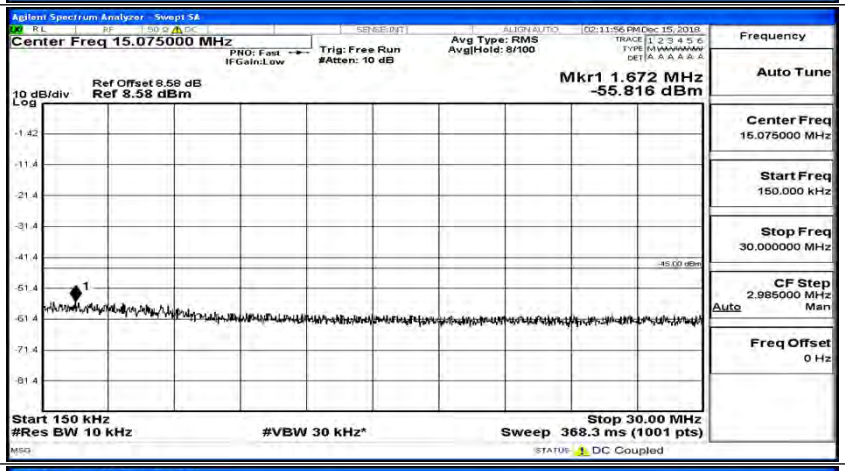
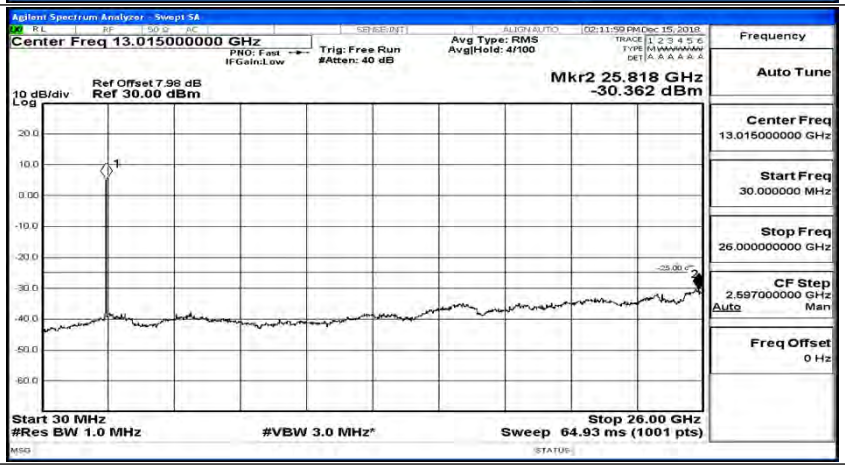

CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



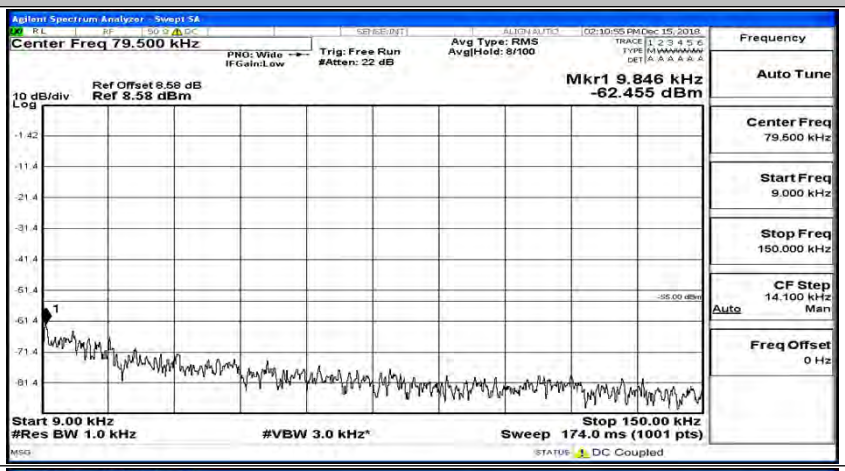
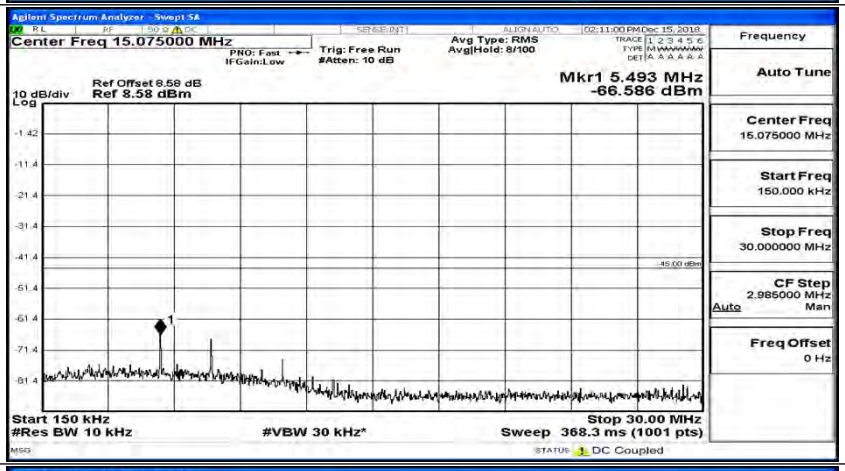
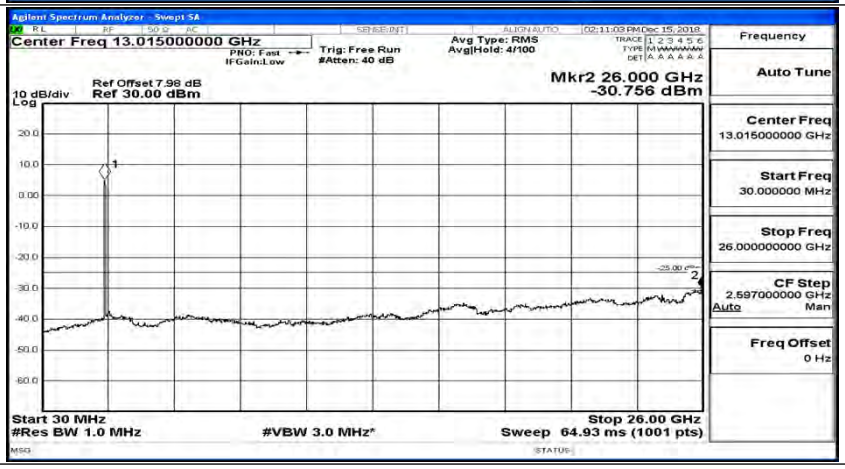

CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



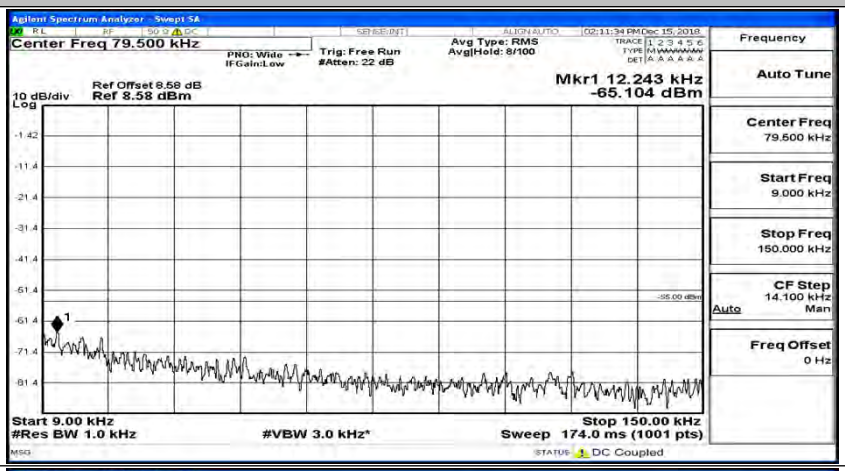
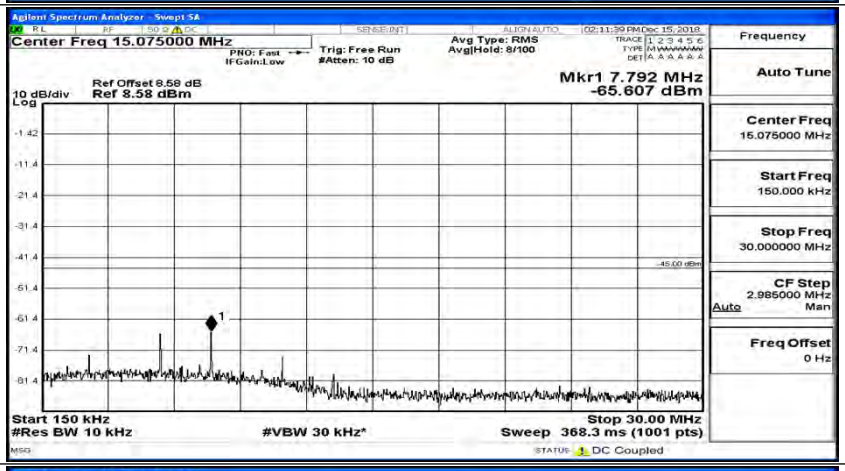
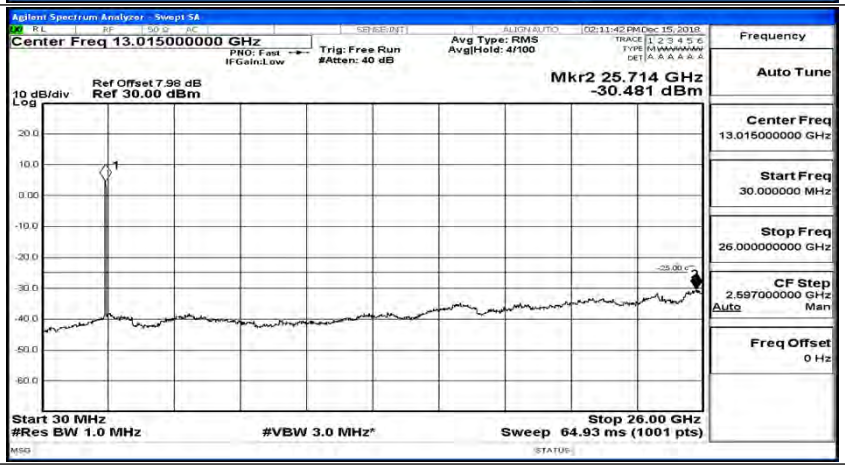

CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



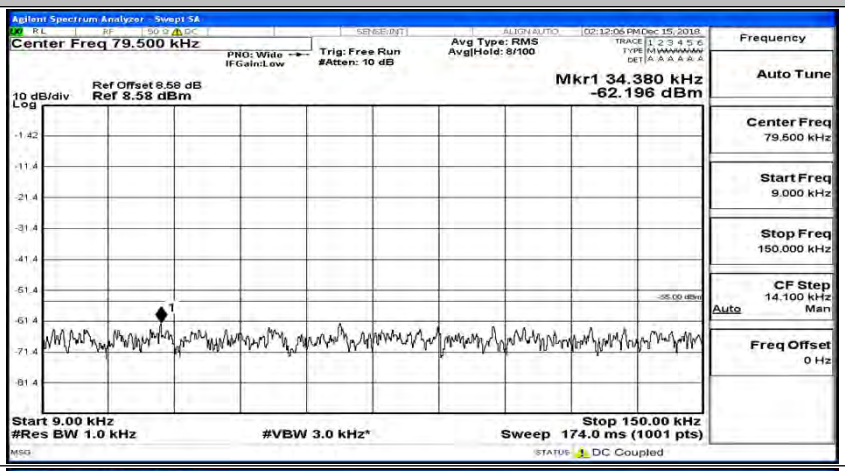
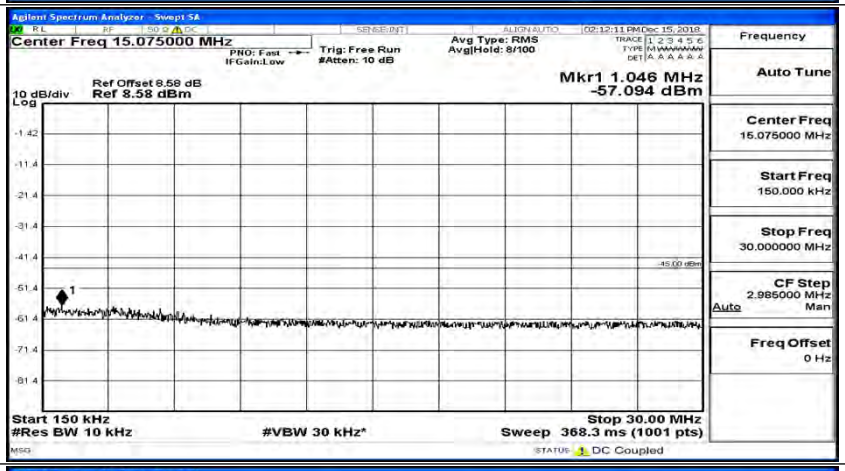

CSE Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK




CSE Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



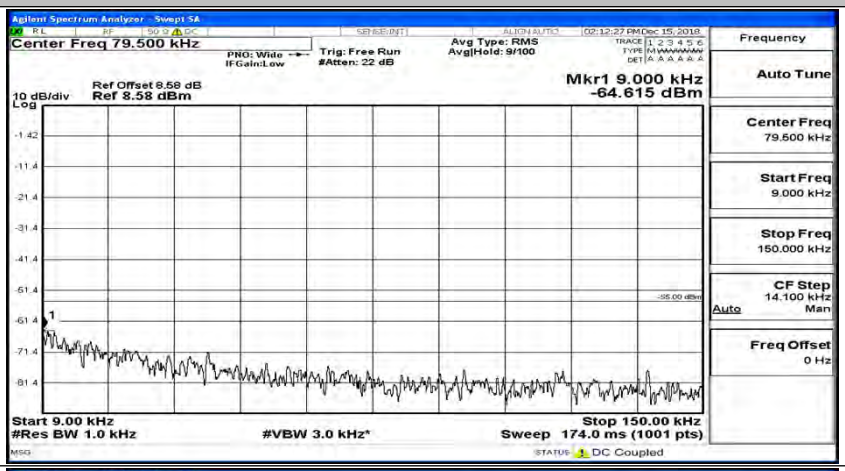

CSE Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK




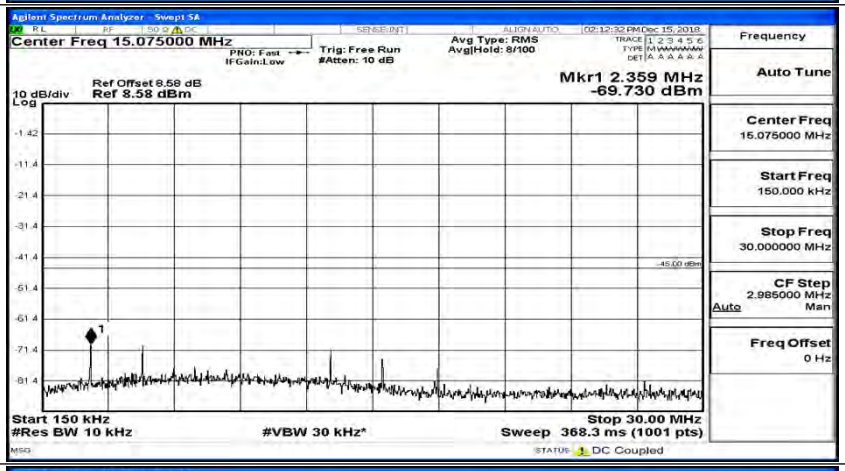
CSE Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM




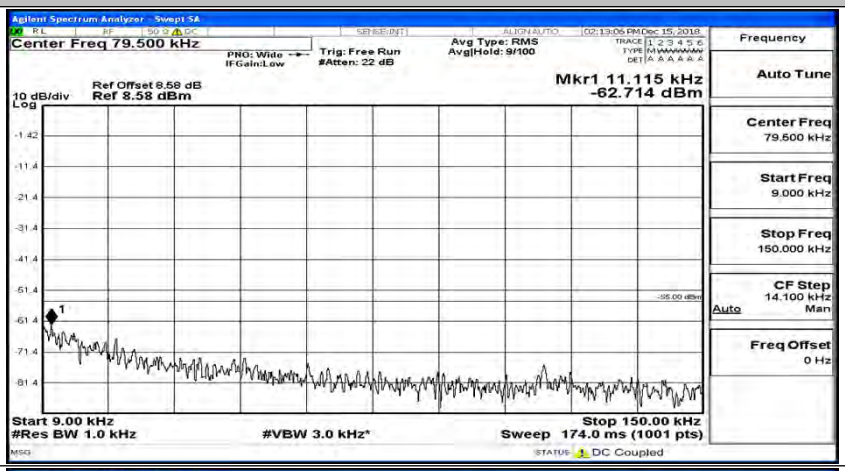
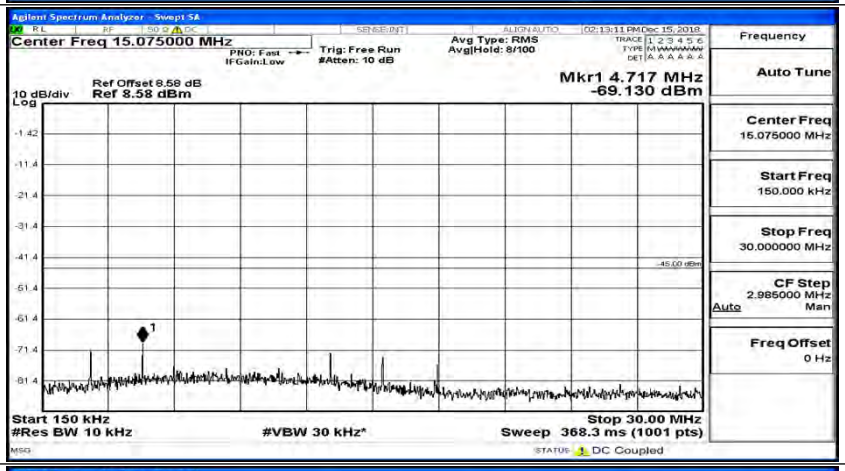
CSE Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM




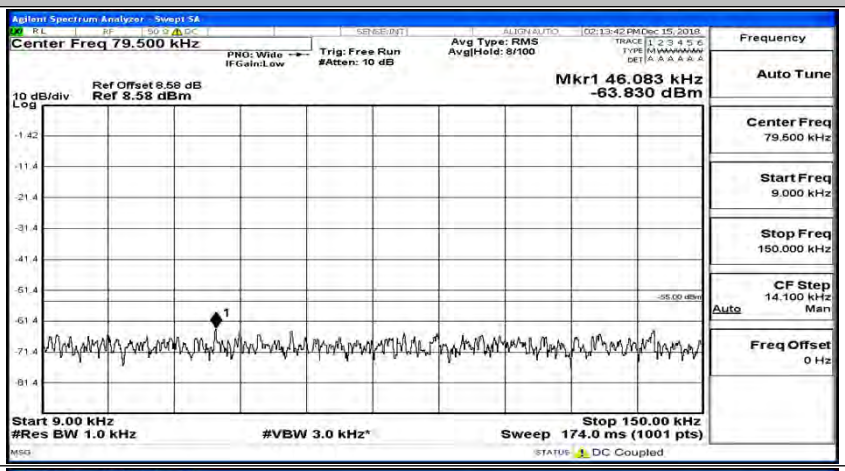
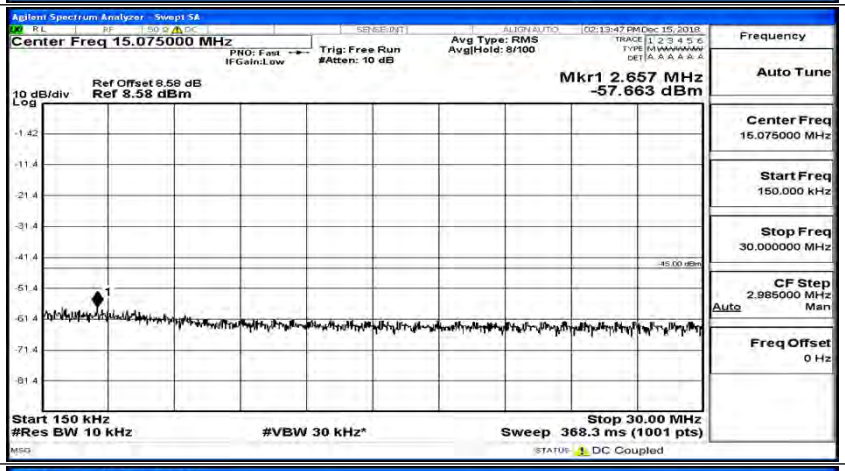
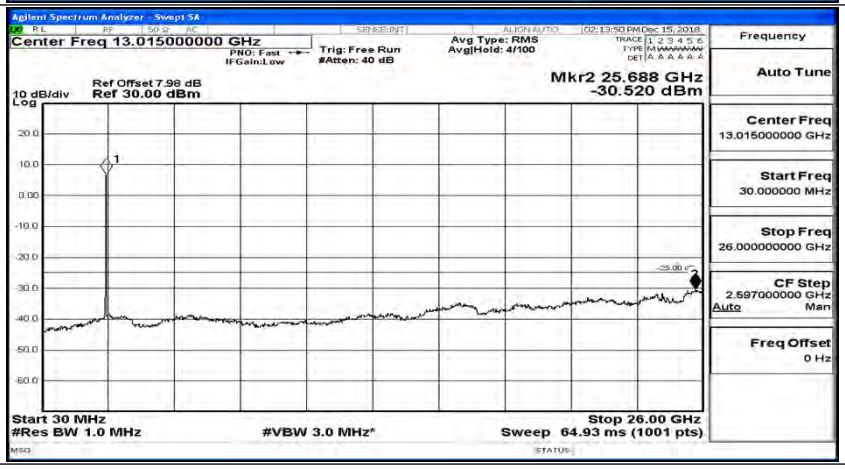
CSE Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



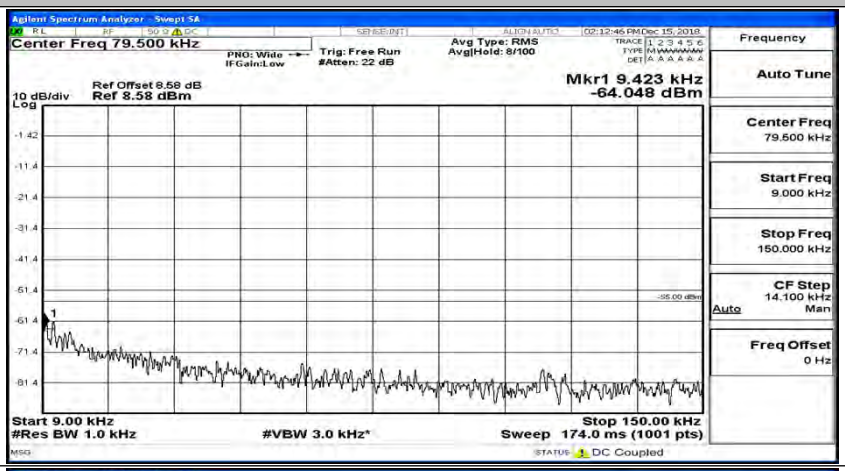
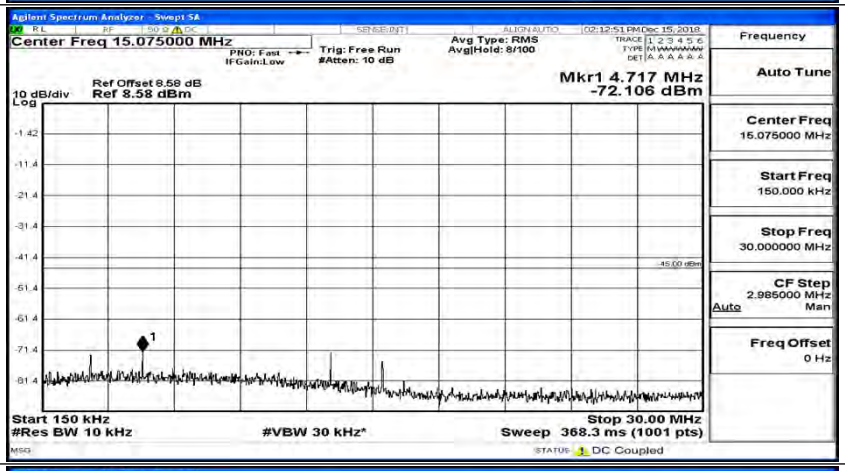

CSE Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK

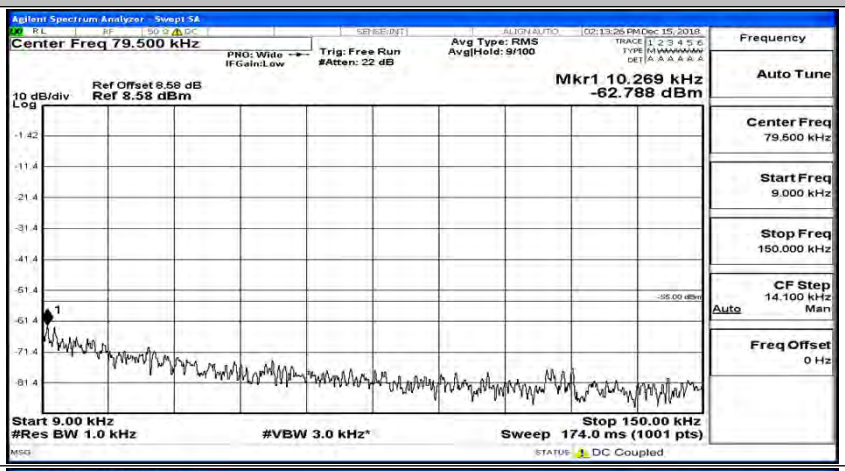
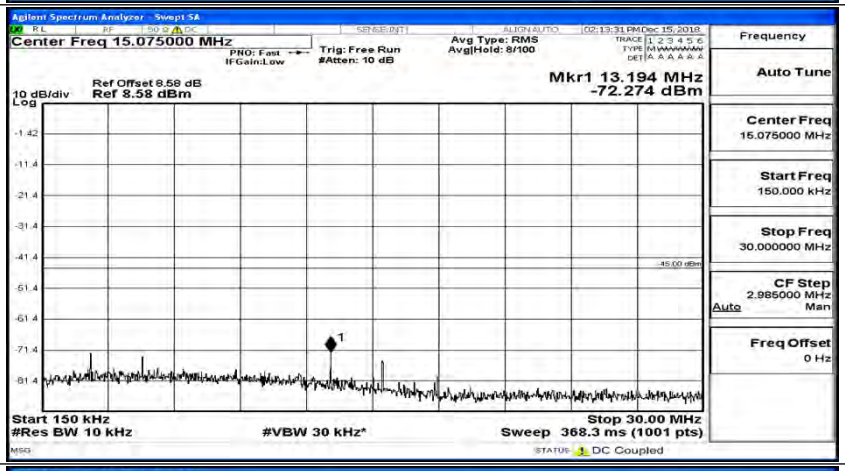




CSE Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK




CSE Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK




CSE Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM




CSE Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM




CSE Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM