Appendix E: Test Data for E-UTRA Band 17

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

E.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	23.83	23.13	PASS
		1	12	24.19	23.44	PASS
		1	24	23.78	23.08	PASS
		12	0	22.90	21.98	PASS
		12	6	22.99	22.06	PASS
		12	13	22.89	21.96	PASS
		25	0	22.93	21.89	PASS
	MCH	1	0	23.89	22.81	PASS
		1	12	24.23	23.08	PASS
		1	24	23.83	22.72	PASS
		12	0	22.89	21.91	PASS
		12	6	22.88	21.89	PASS
		12	13	22.78	21.83	PASS
		25	0	22.89	21.85	PASS
	HCH	1	0	23.76	22.82	PASS
		1	12	24.06	23.11	PASS
		1	24	23.70	22.70	PASS
		12	0	22.81	21.78	PASS
		12	6	22.83	21.86	PASS
		12	13	22.74	21.72	PASS
		25	0	22.78	21.79	PASS

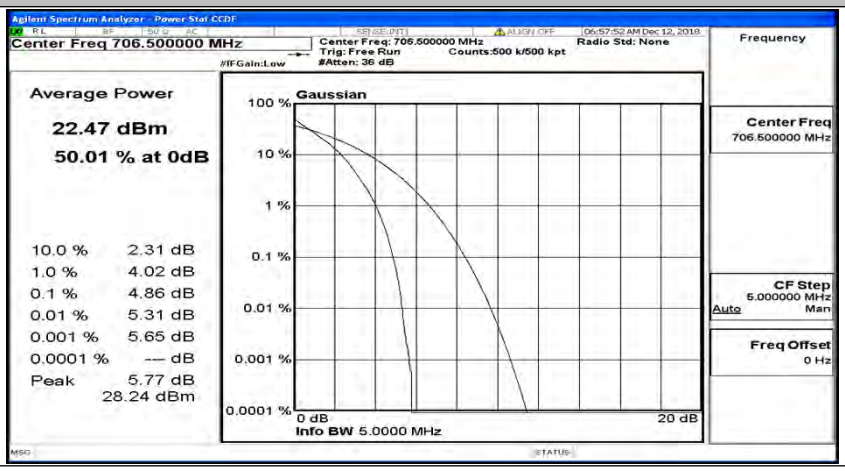
Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.85	23.07	PASS
		1	24	23.99	23.20	PASS
		1	49	23.77	22.93	PASS
		25	0	22.97	21.91	PASS
		25	12	22.90	21.89	PASS
		25	25	22.84	21.81	PASS
		50	0	22.87	21.84	PASS
	MCH	1	0	23.89	23.07	PASS
		1	24	24.04	23.22	PASS
		1	49	23.79	22.95	PASS
		25	0	23.01	21.91	PASS
		25	12	22.95	21.89	PASS
		25	25	22.90	21.84	PASS
		50	0	22.93	21.85	PASS
	HCH	1	0	23.90	23.17	PASS
		1	24	24.05	23.35	PASS
		1	49	23.84	23.06	PASS
		25	0	23.03	21.99	PASS
		25	12	22.92	21.90	PASS
		25	25	22.84	21.82	PASS
		50	0	22.93	21.88	PASS

E.2 Peak-to-Average Ratio

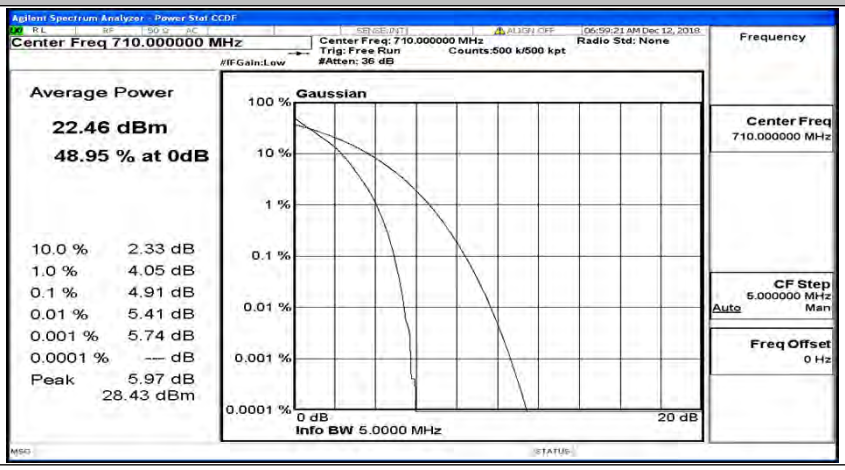
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.86	<13	PASS
	MCH	4.91	<13	PASS
	HCH	4.85	<13	PASS
16QAM	LCH	5.68	<13	PASS
	MCH	5.74	<13	PASS
	HCH	5.73	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.08	<13	PASS
	MCH	5.13	<13	PASS
	HCH	5.19	<13	PASS
16QAM	LCH	5.81	<13	PASS
	MCH	5.94	<13	PASS
	HCH	5.95	<13	PASS

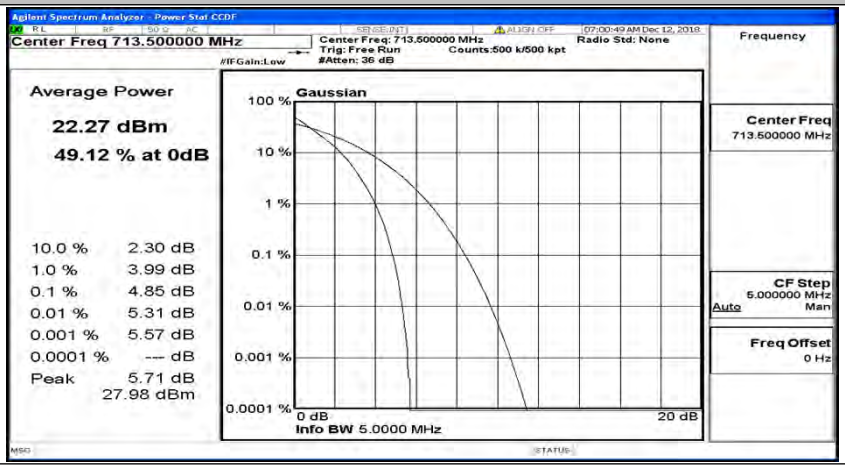
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



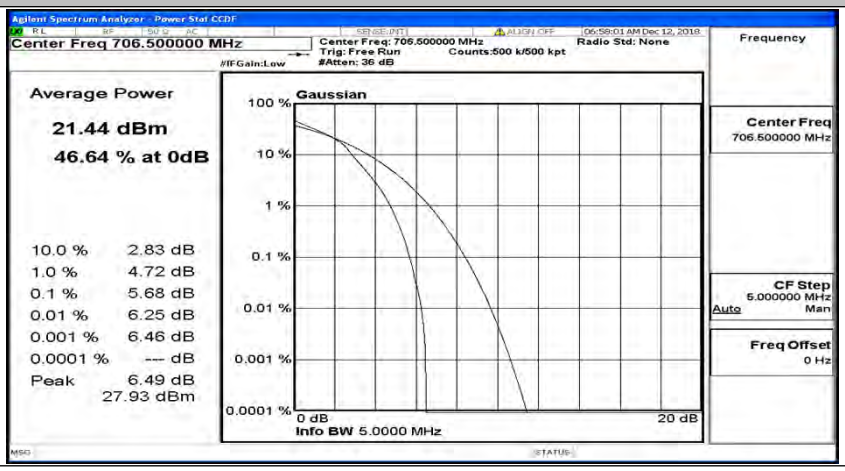
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



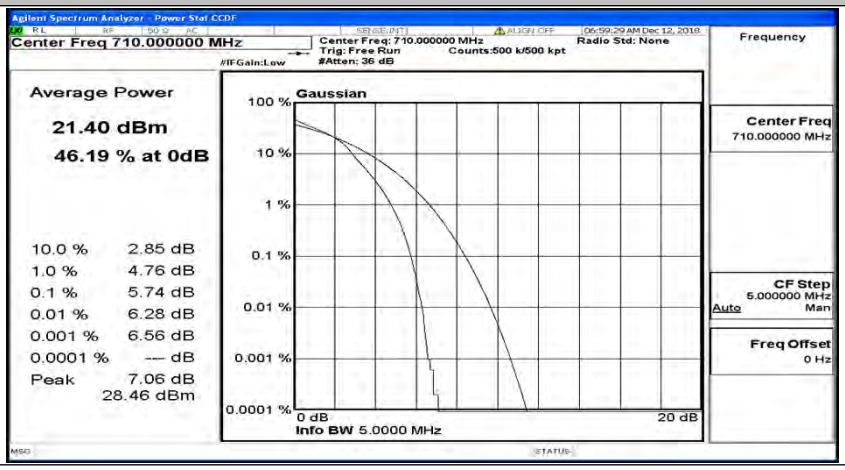
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



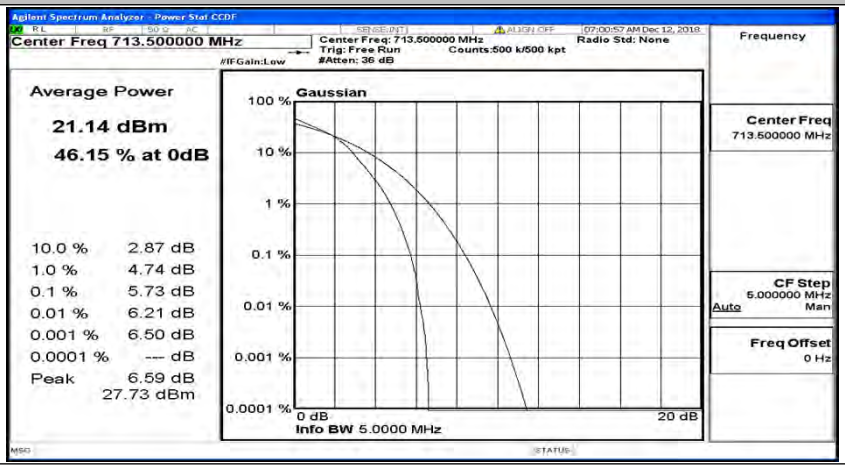
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



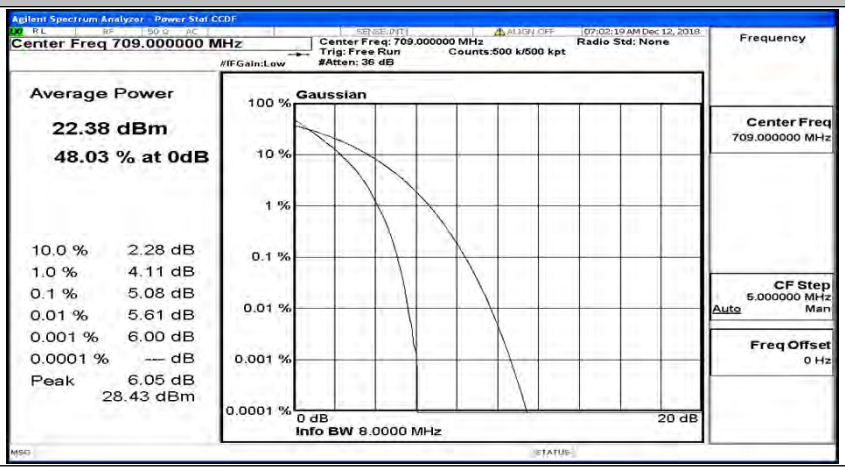
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



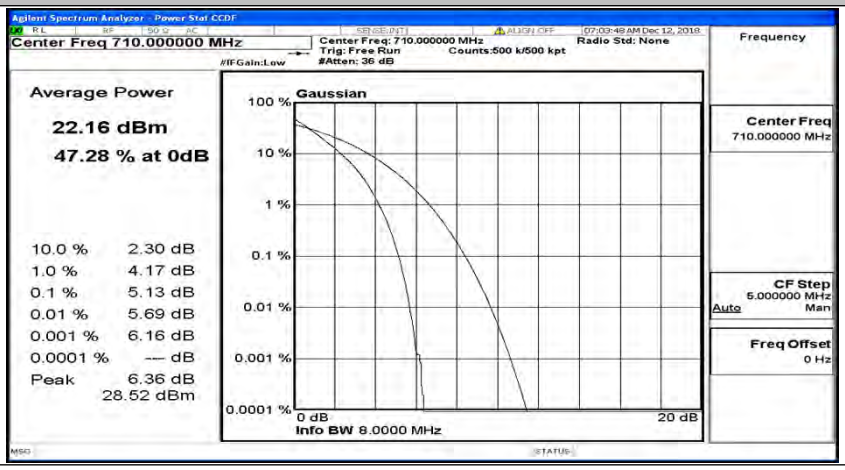
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



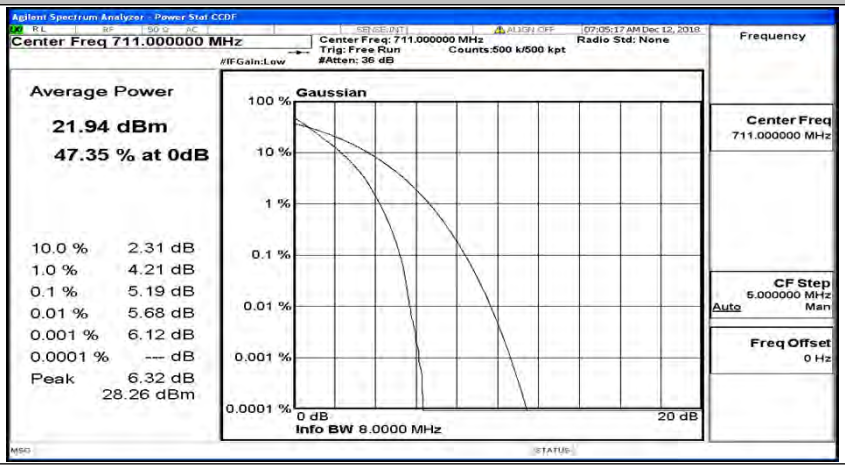
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



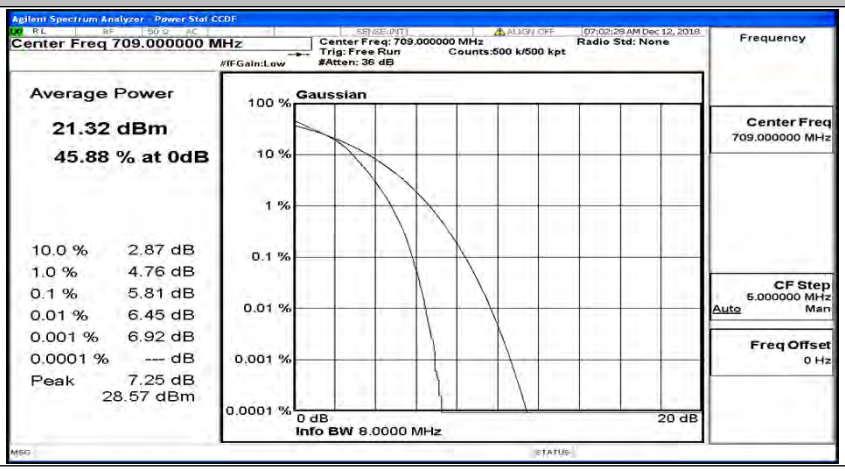
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



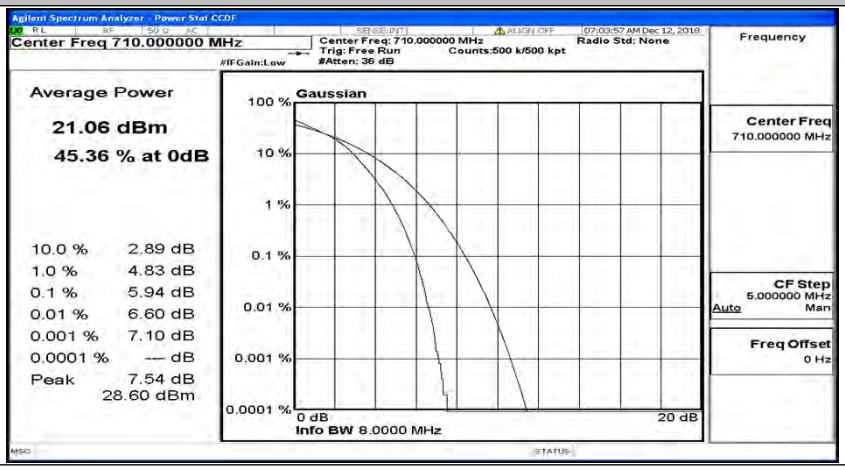
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



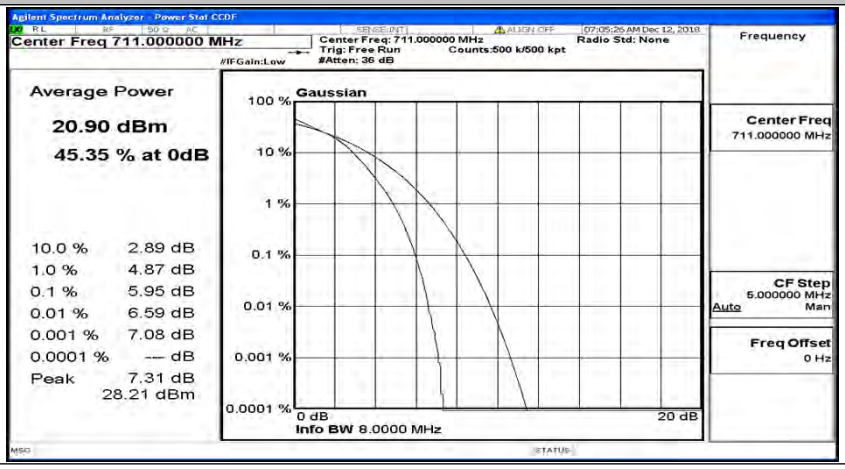
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

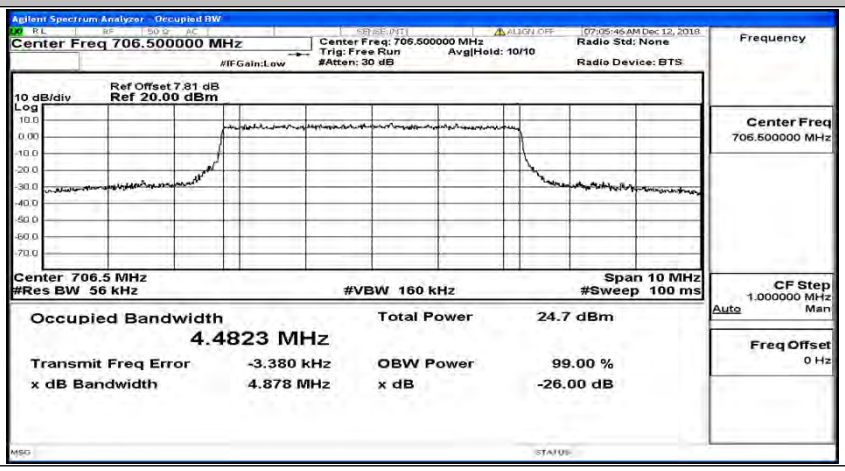


E.3 26dB Bandwidth and Occupied Bandwidth

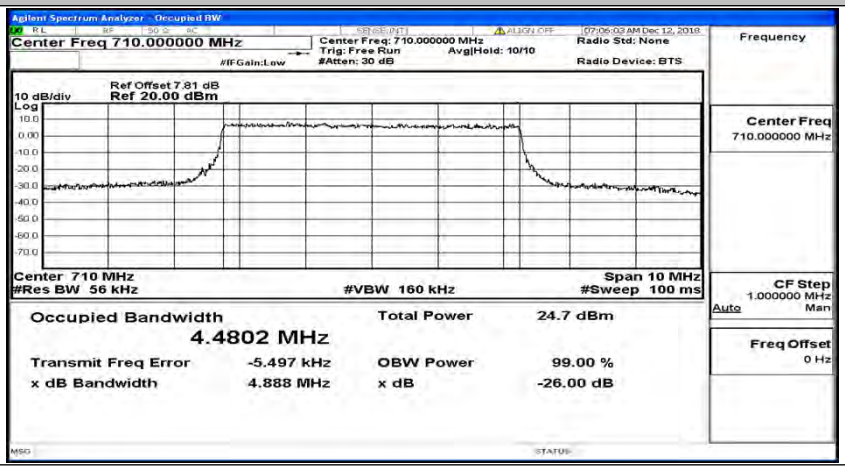
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4823	4.878	PASS
	MCH	4.4802	4.888	PASS
	HCH	4.4878	4.840	PASS
16QAM	LCH	4.4673	4.896	PASS
	MCH	4.4812	4.839	PASS
	HCH	4.4804	4.835	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9365	9.525	PASS
	MCH	8.9348	9.526	PASS
	HCH	8.9381	9.485	PASS
16QAM	LCH	8.9374	9.443	PASS
	MCH	8.9449	9.624	PASS
	HCH	8.9421	9.511	PASS

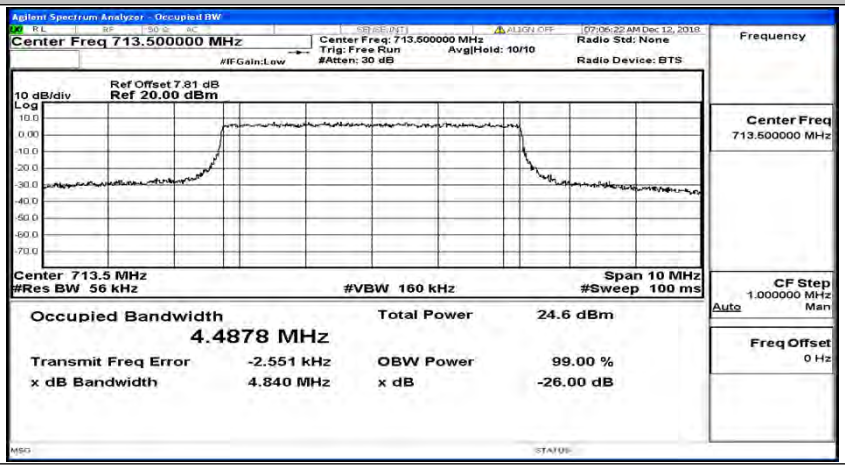
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



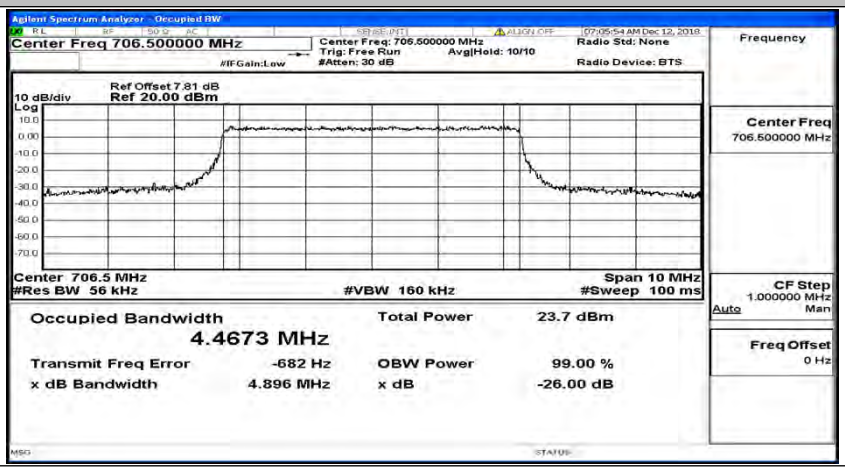
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



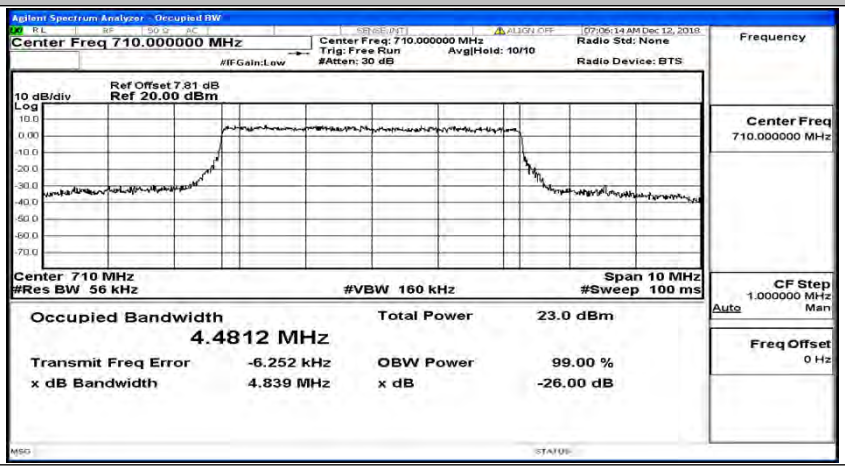
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



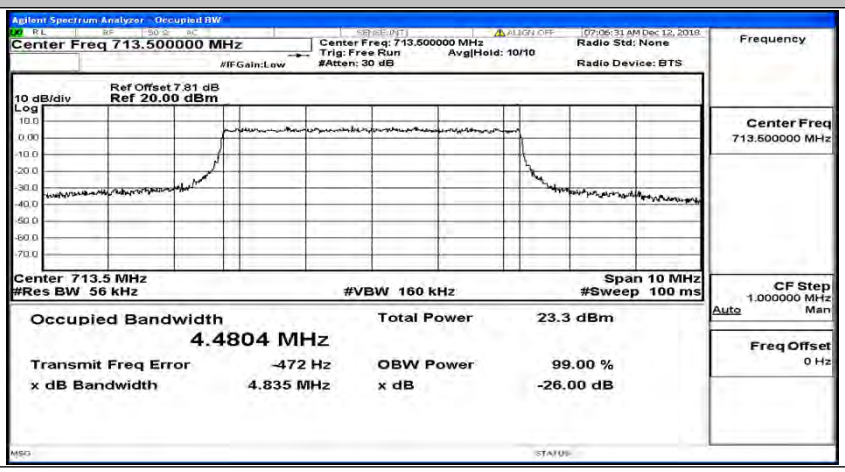
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



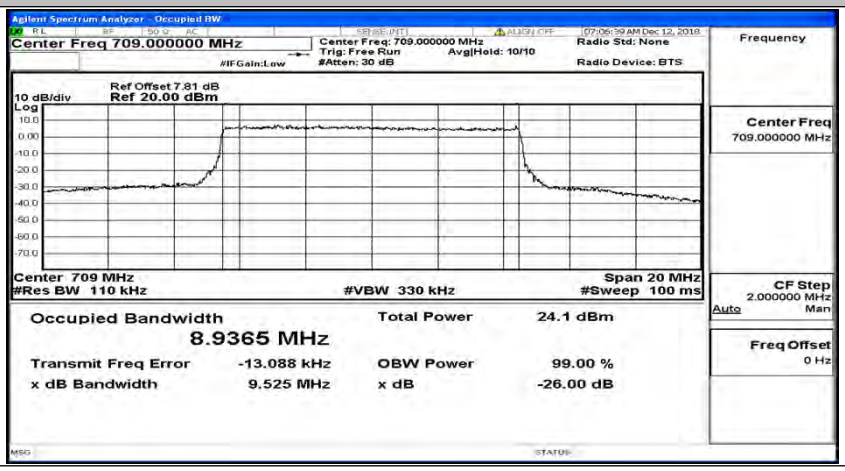
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



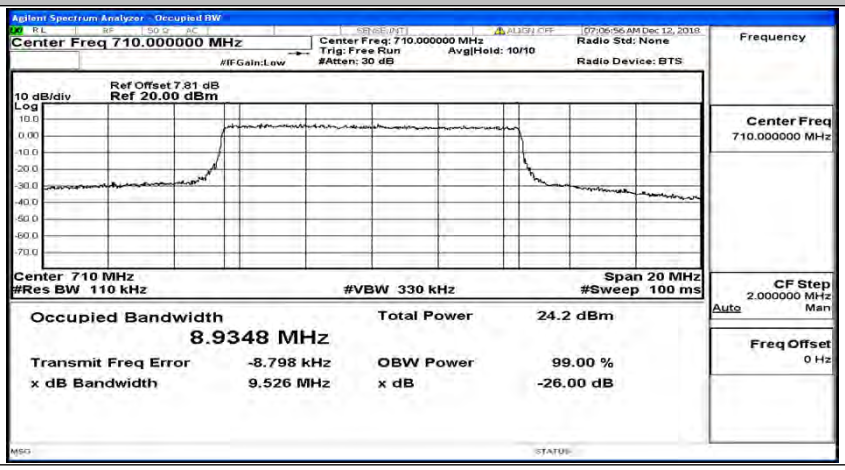
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



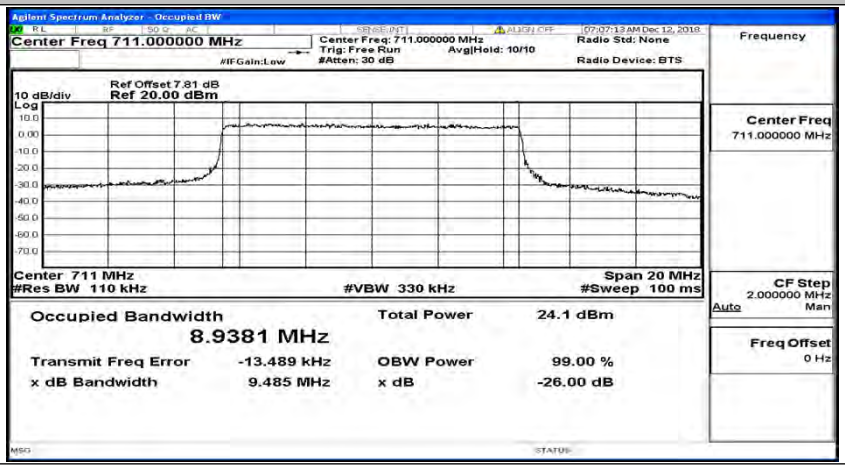
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



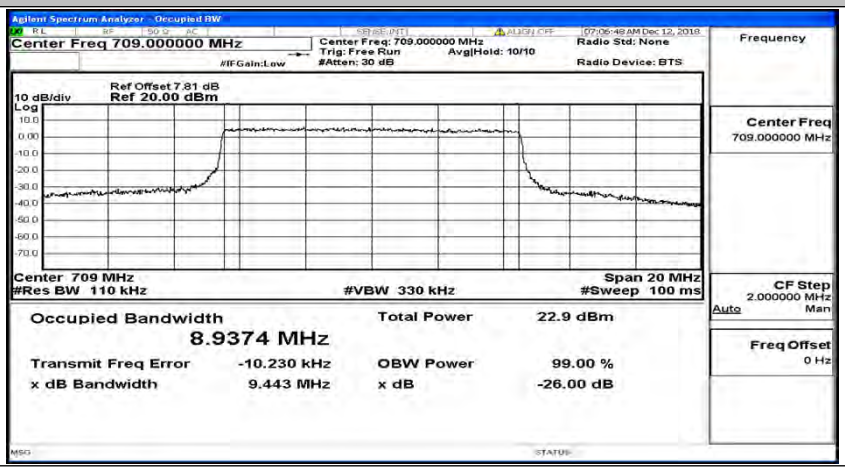
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



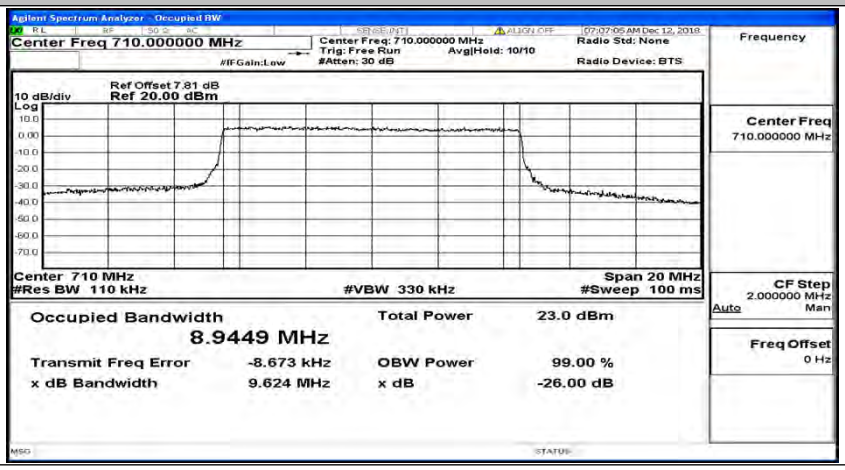
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



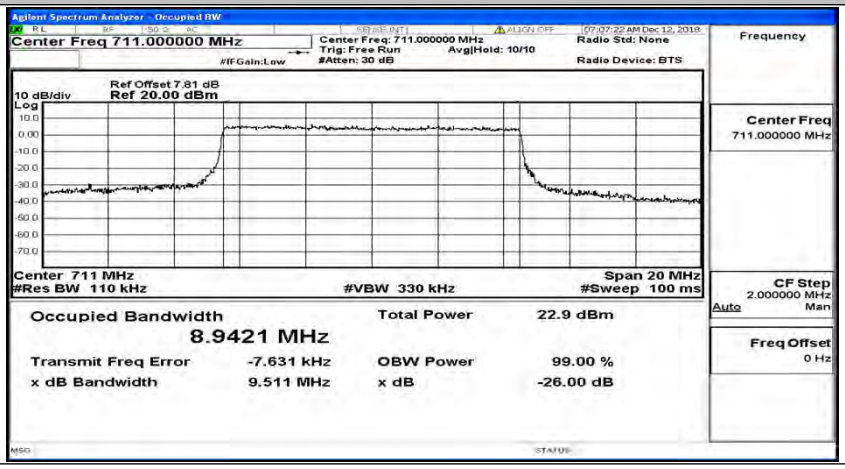
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

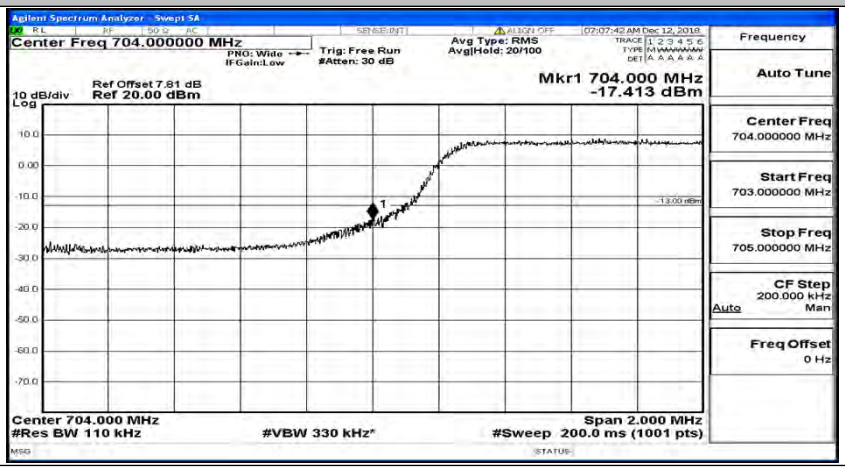


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

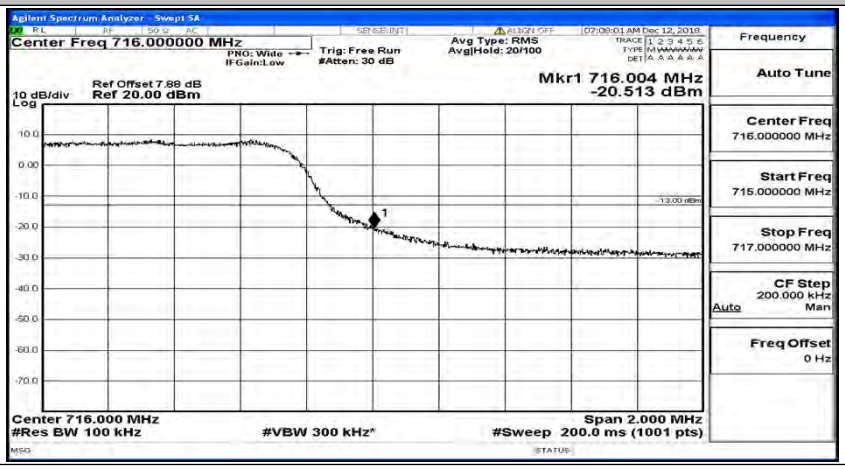


E.4 Band Edge

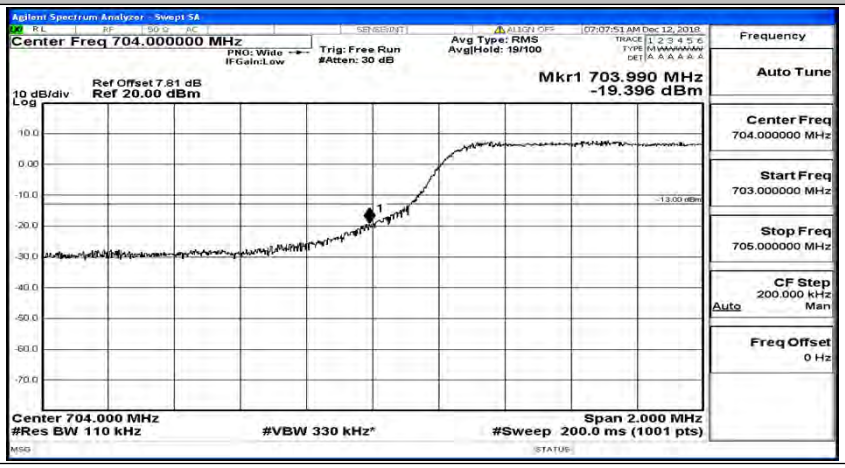
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



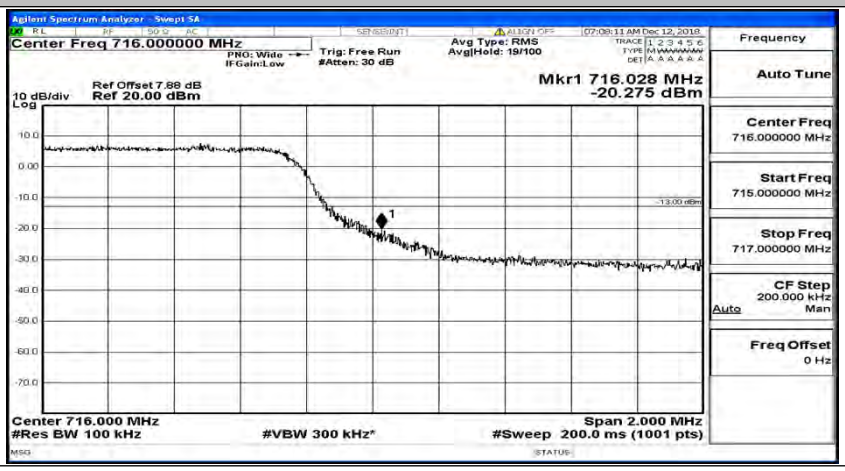
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



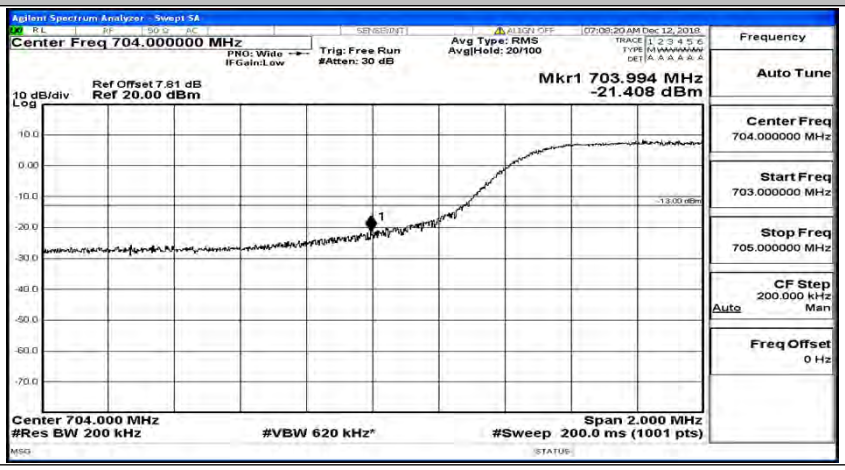
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



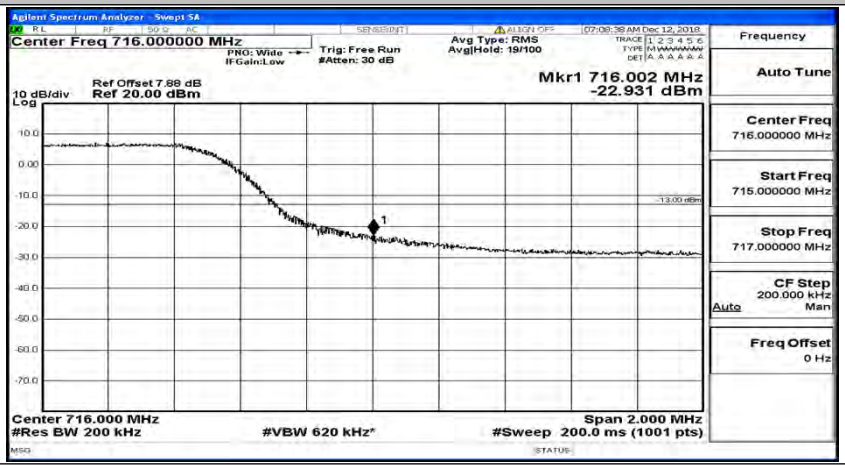
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



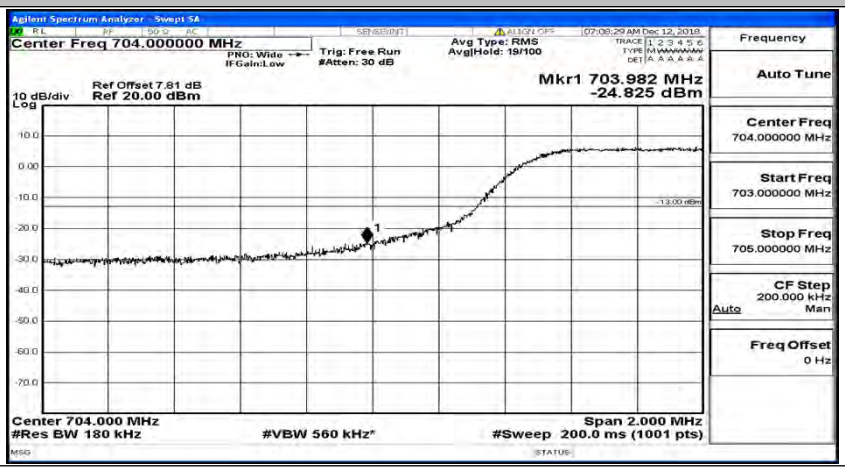
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



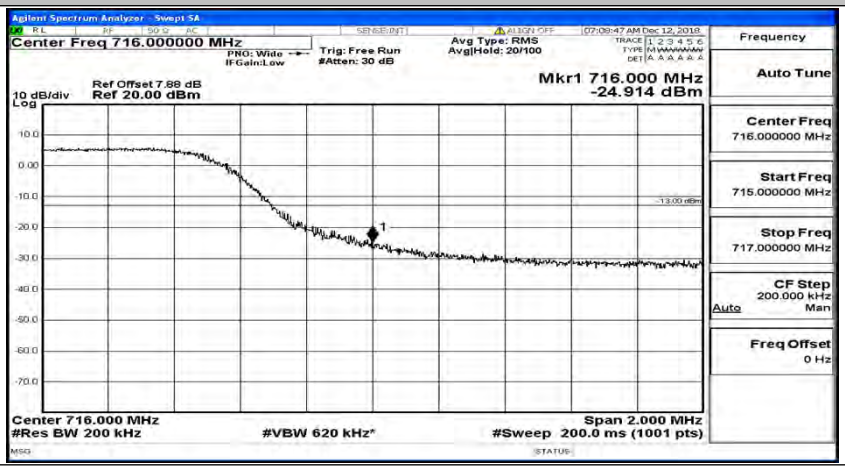
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



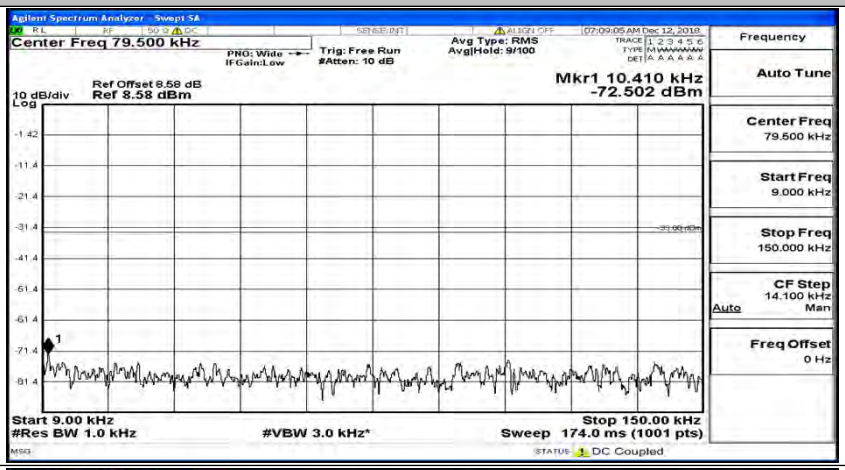
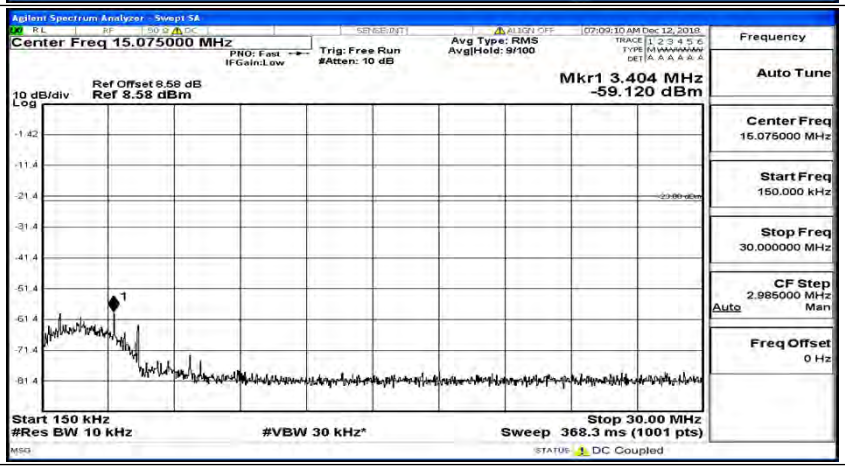
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



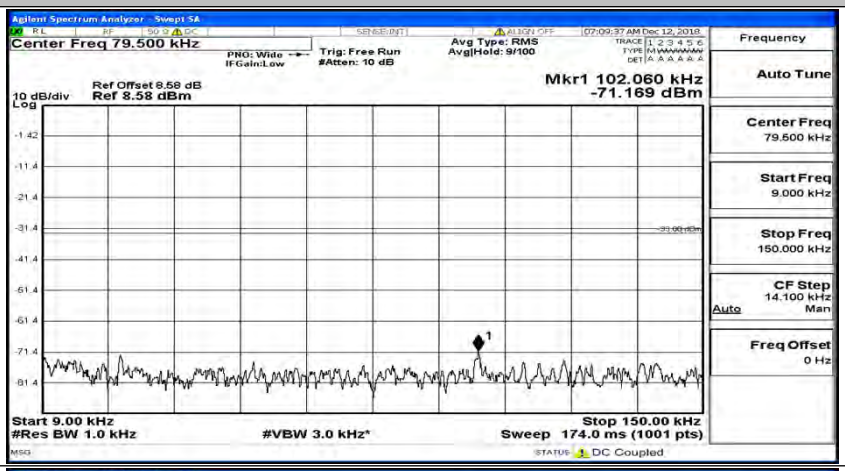
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

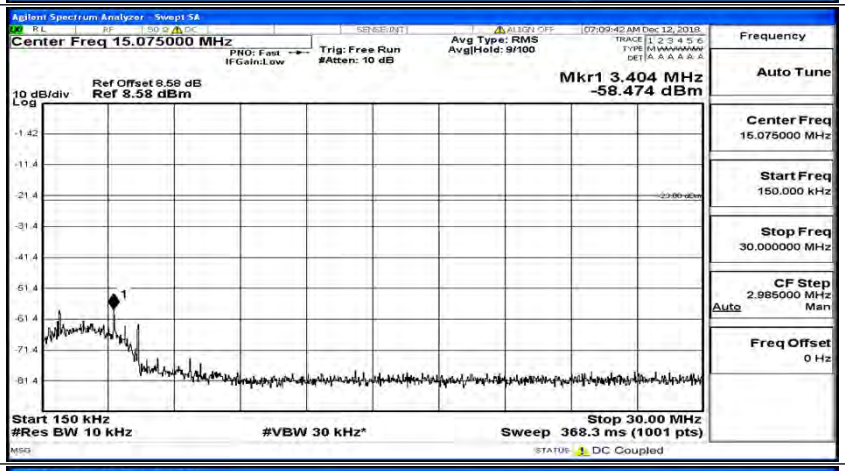


E.5 Conducted Spurious Emission

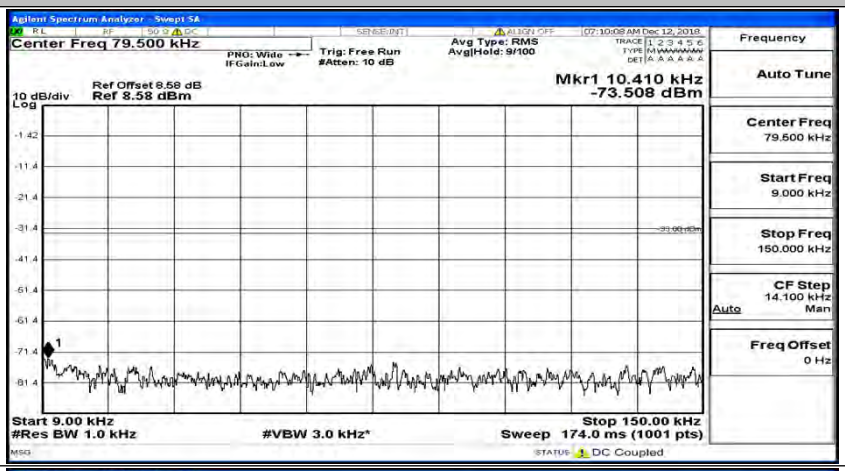
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



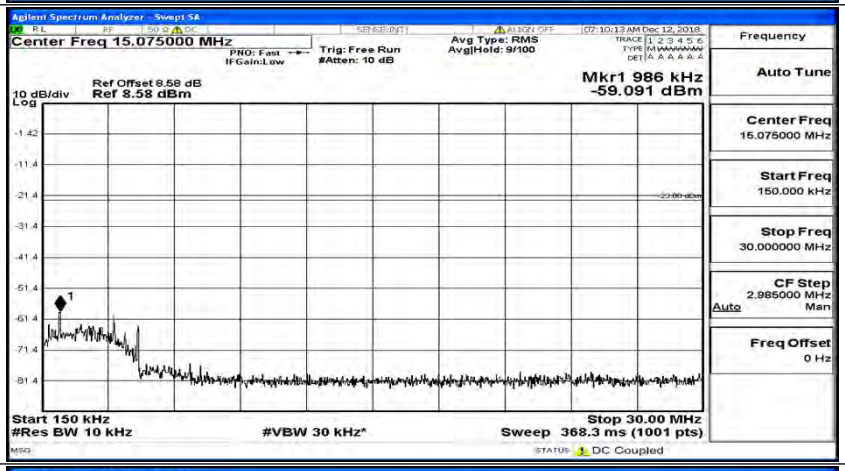

CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK

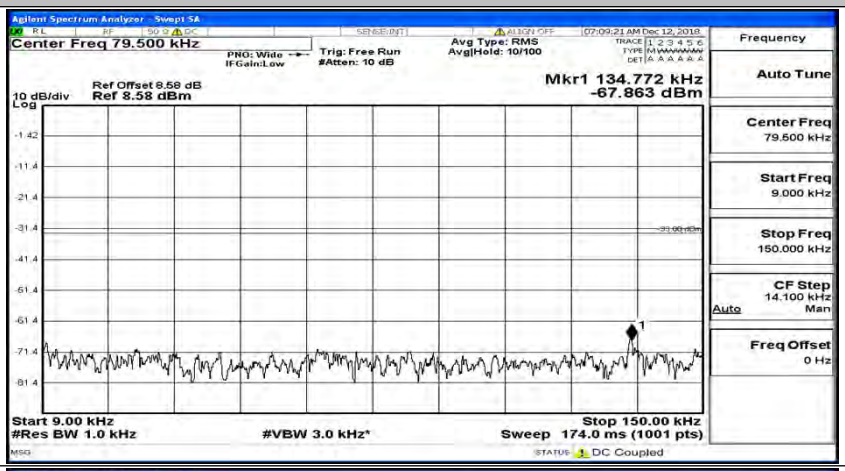
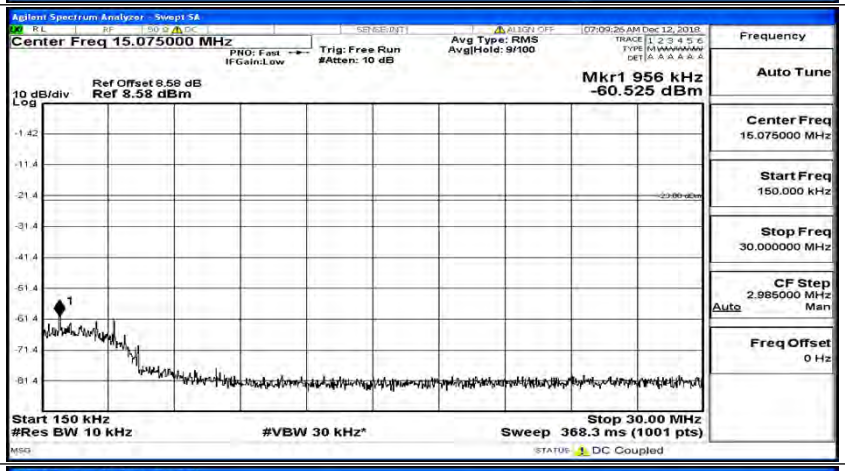


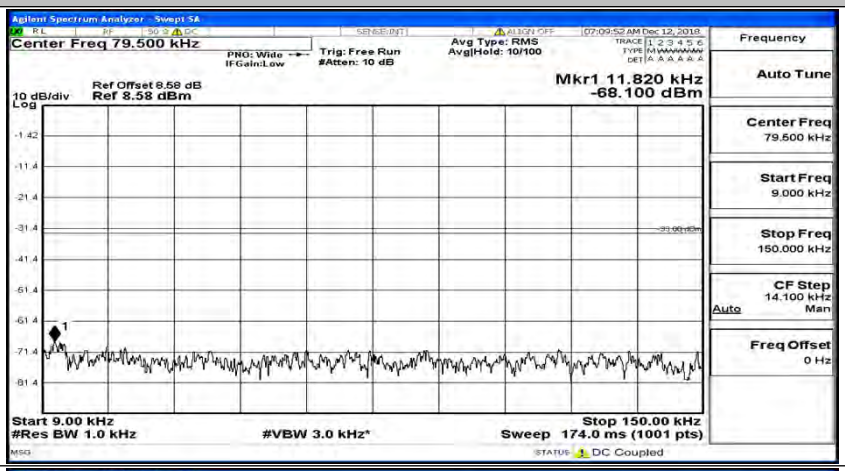
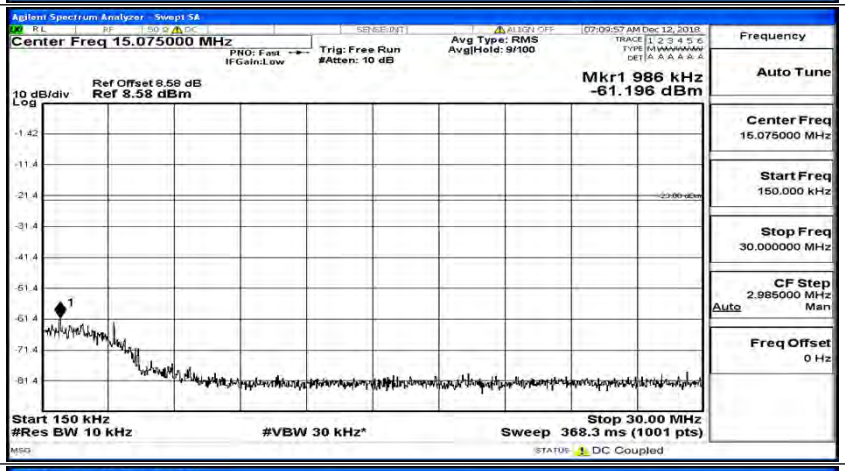


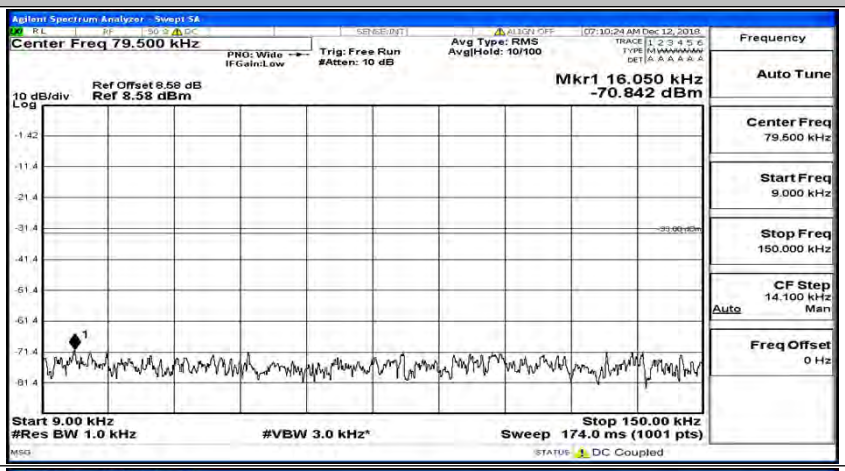
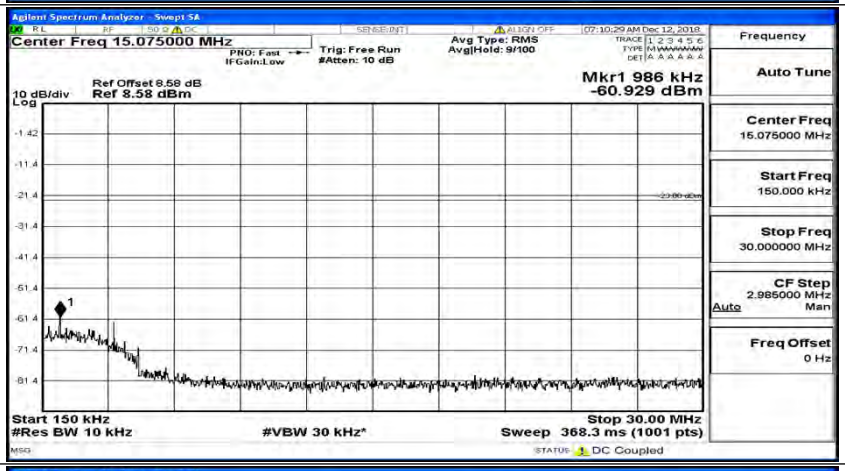
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK

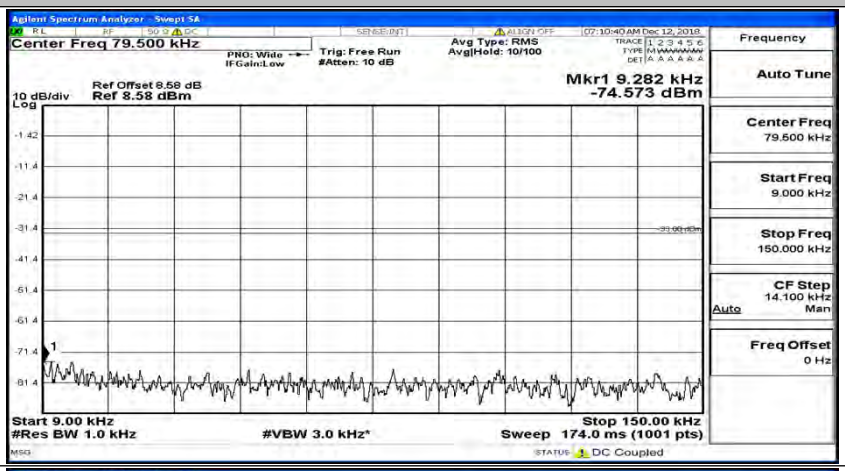
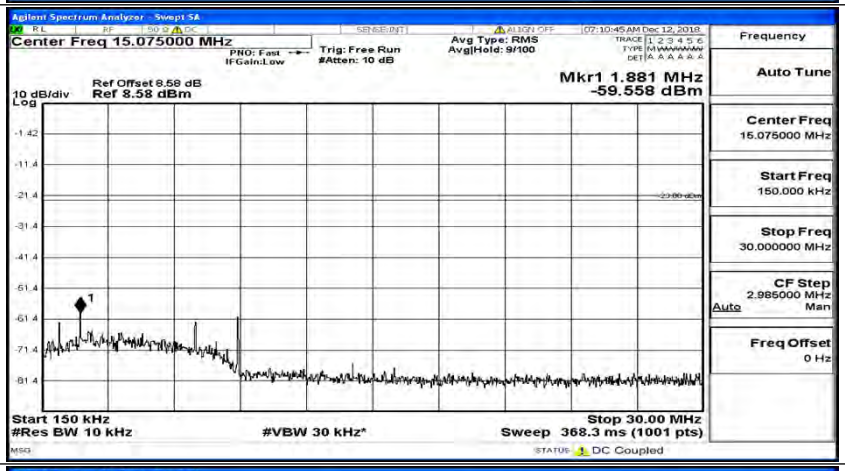


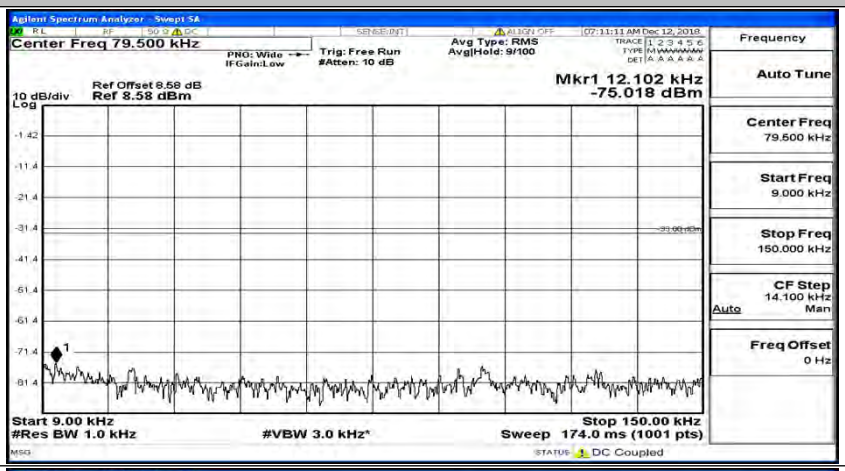
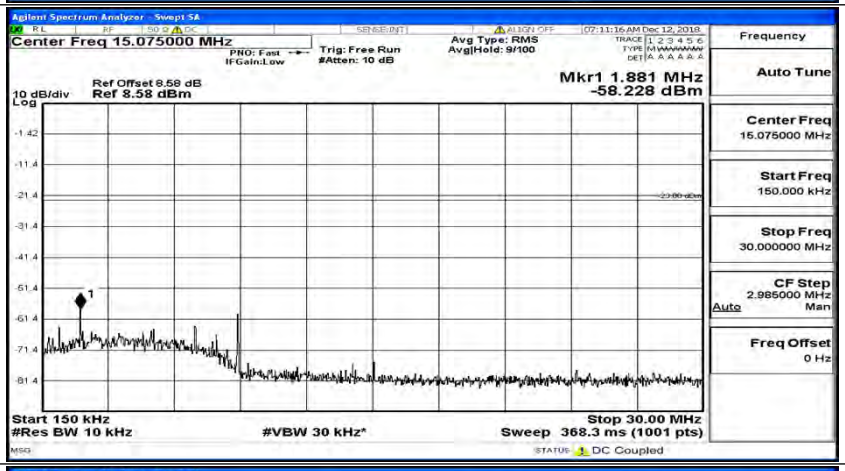


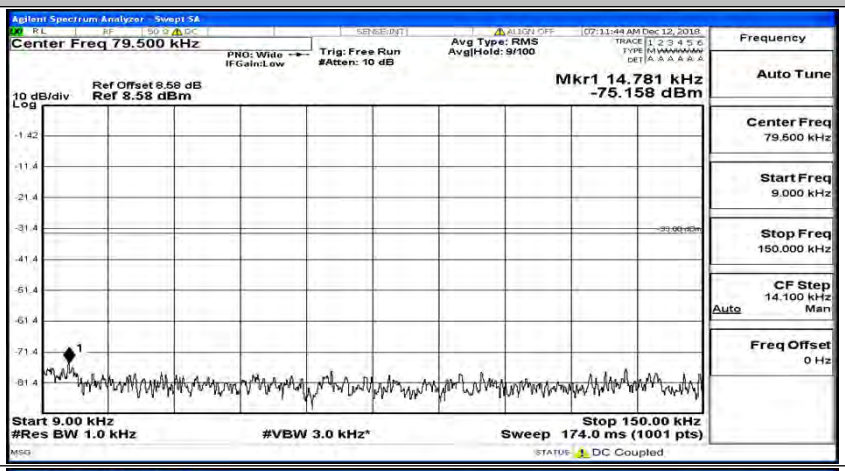
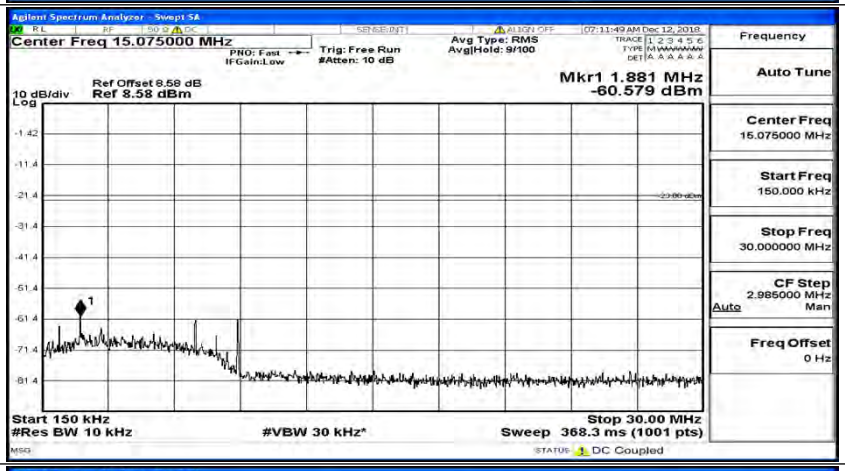
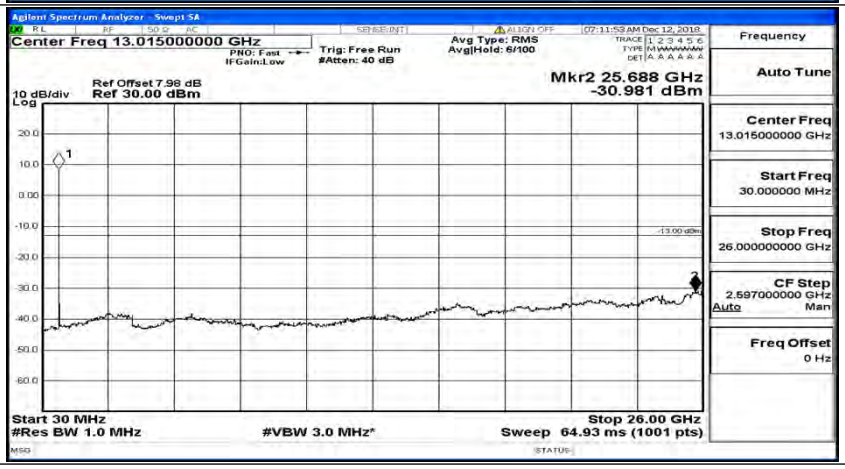
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



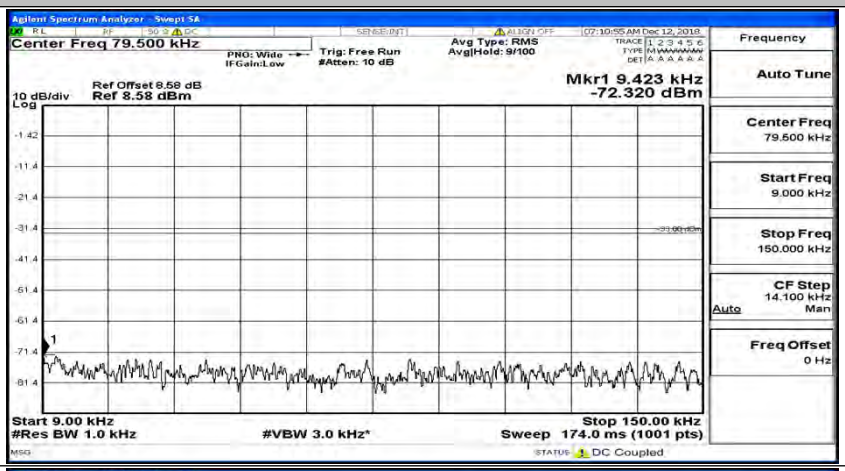
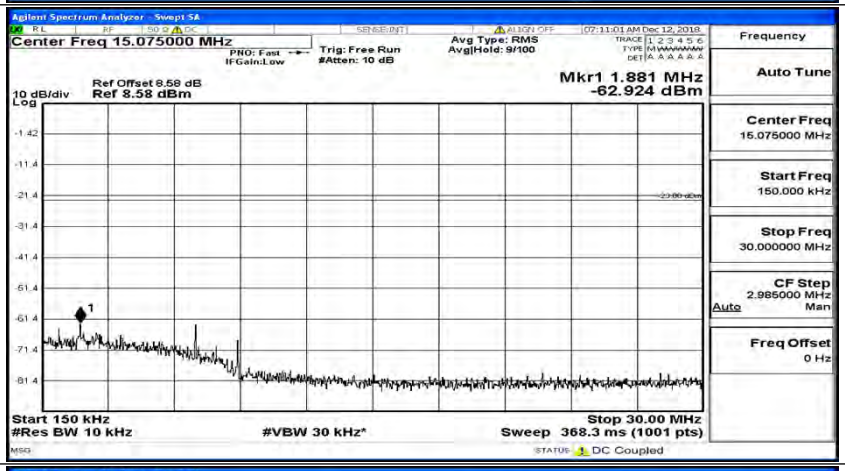

CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM




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



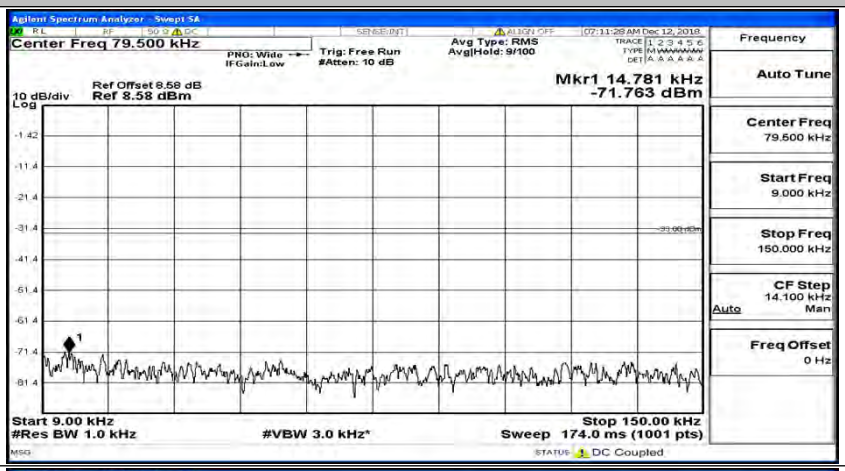

CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



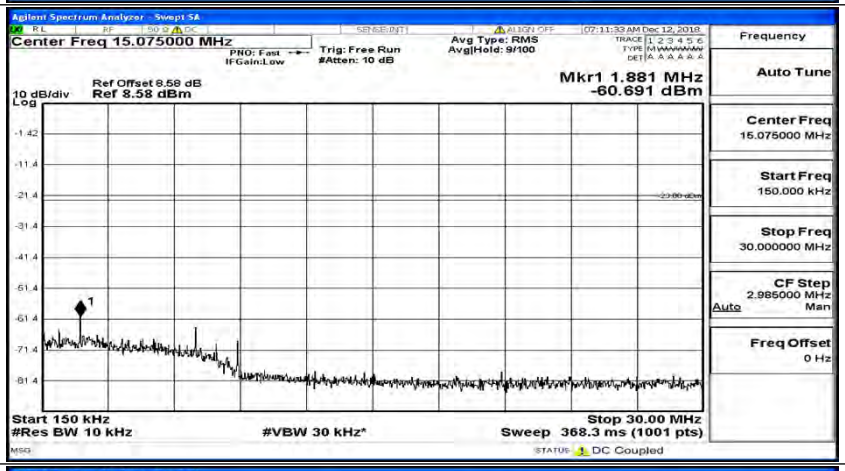

CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK




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