

Appendix E: Test Data for E-UTRA Band 17

Product Name: LTE GSM/WCDMA Smartphone

Trade Mark: DOOGEE

Test Model: S70

Environmental Conditions

Temperature:	23.6
Relative Humidity:	52.1
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.Xu
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] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	21.72	21.19	PASS
		1	12	22.06	21.44	PASS
		1	24	21.75	21.16	PASS
		12	0	20.87	19.99	PASS
		12	6	20.93	20.06	PASS
		12	13	20.80	19.98	PASS
		25	0	20.90	19.89	PASS
	MCH	1	0	21.73	20.82	PASS
		1	12	22.02	21.15	PASS
		1	24	21.72	20.81	PASS
		12	0	20.95	19.92	PASS
		12	6	20.86	19.94	PASS
		12	13	20.81	19.83	PASS
		25	0	20.89	19.86	PASS
	HCH	1	0	21.70	20.87	PASS
		1	12	21.98	21.15	PASS
		1	24	21.70	20.90	PASS
		12	0	20.82	19.85	PASS
		12	6	20.92	19.95	PASS
		12	13	20.80	19.89	PASS
		25	0	20.87	19.90	PASS

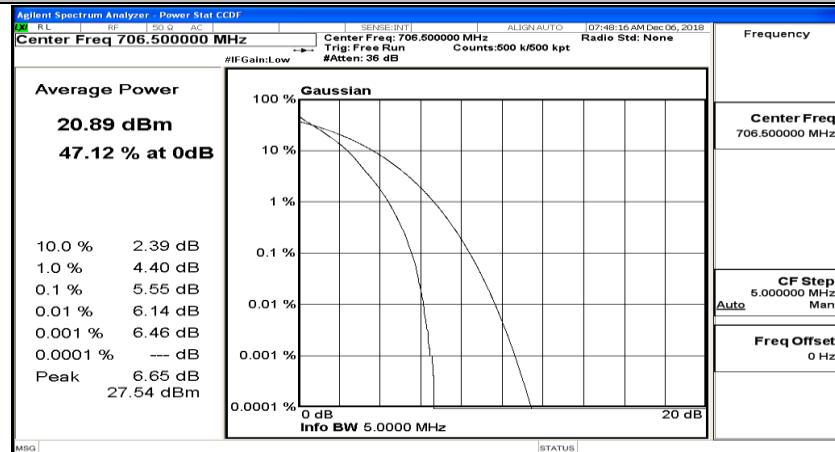
Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	21.75	21.05	PASS
		1	24	21.95	21.28	PASS
		1	49	21.71	21.08	PASS
		25	0	20.95	19.90	PASS
		25	12	20.88	19.89	PASS
		25	25	20.86	19.84	PASS
		50	0	20.92	19.87	PASS
	MCH	1	0	21.74	20.69	PASS
		1	24	21.95	20.14	PASS
		1	49	21.73	20.67	PASS
		25	0	21.89	21.52	PASS
		25	12	21.36	21.74	PASS
		25	25	20.67	20.26	PASS
		50	0	20.96	20.53	PASS
	HCH	1	0	21.97	21.18	PASS
		1	24	21.37	21.29	PASS
		1	49	20.54	20.32	PASS
		25	0	20.39	20.45	PASS
		25	12	21.97	21.12	PASS
		25	25	21.83	21.57	PASS
		50	0	20.39	20.18	PASS

E.2 Peak-to-Average Ratio

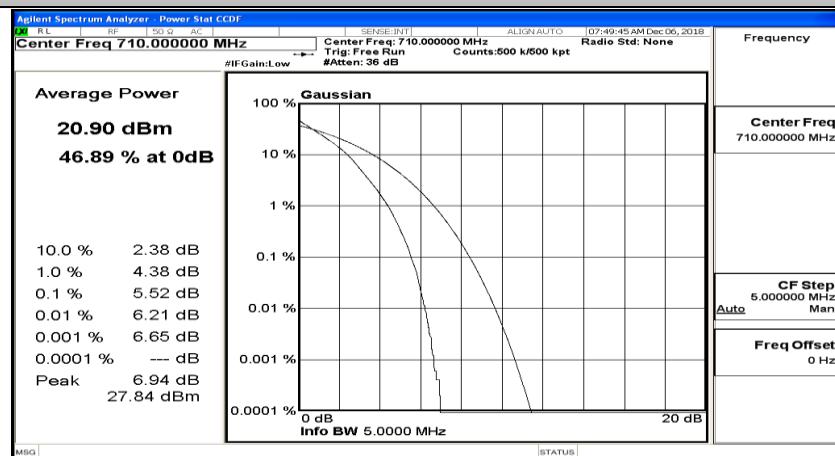
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.55	<13	PASS
	MCH	5.52	<13	PASS
	HCH	5.52	<13	PASS
16QAM	LCH	6.35	<13	PASS
	MCH	6.36	<13	PASS
	HCH	6.33	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.57	<13	PASS
	MCH	5.54	<13	PASS
	HCH	5.58	<13	PASS
16QAM	LCH	6.27	<13	PASS
	MCH	6.3	<13	PASS
	HCH	6.31	<13	PASS

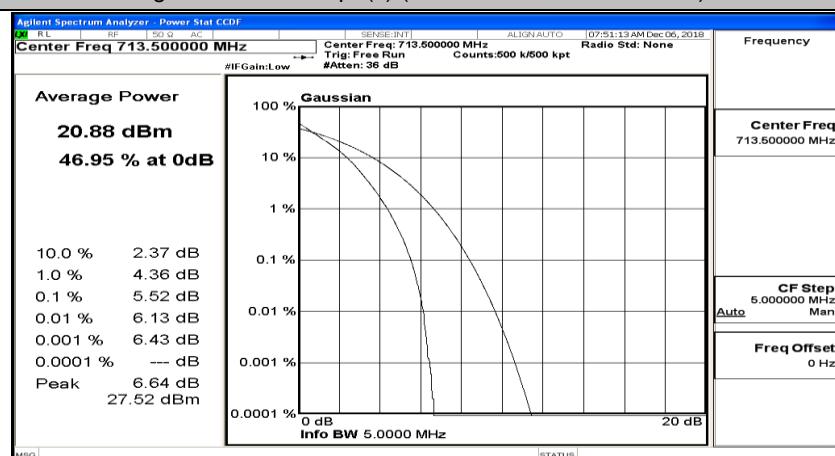
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



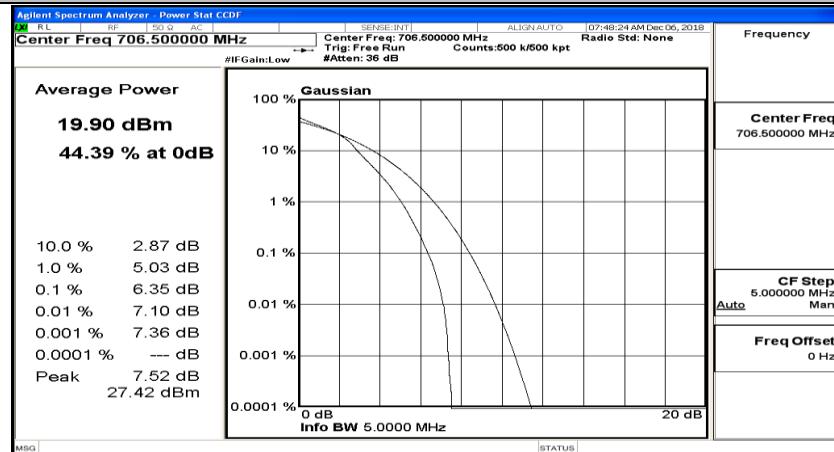
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



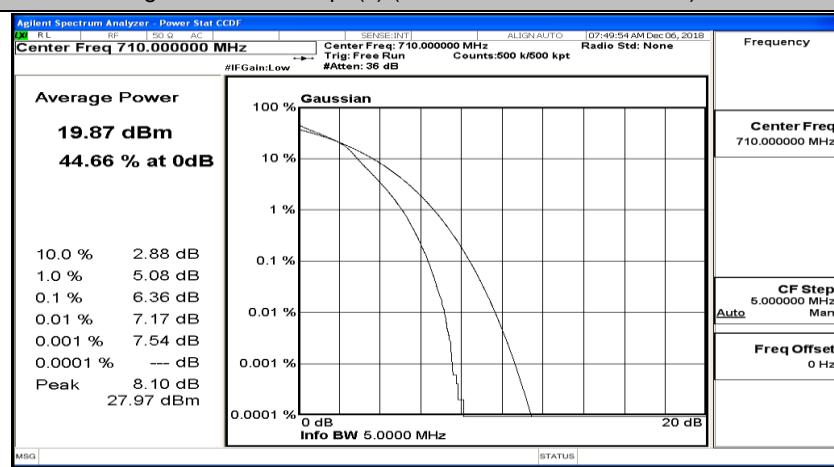
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



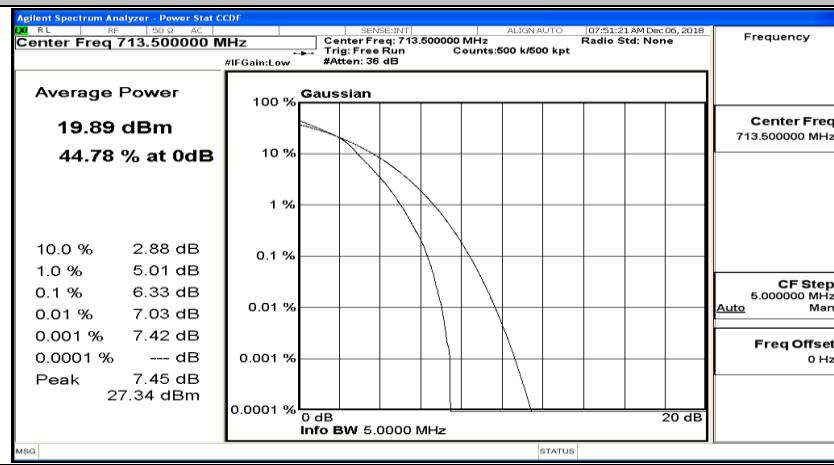
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



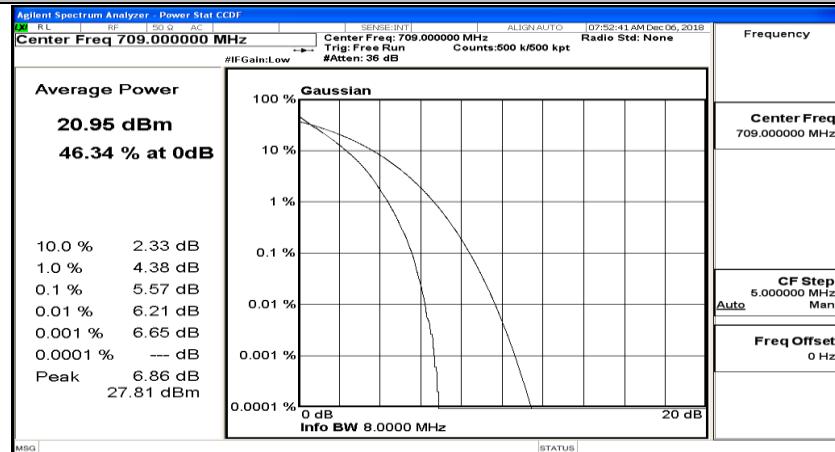
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



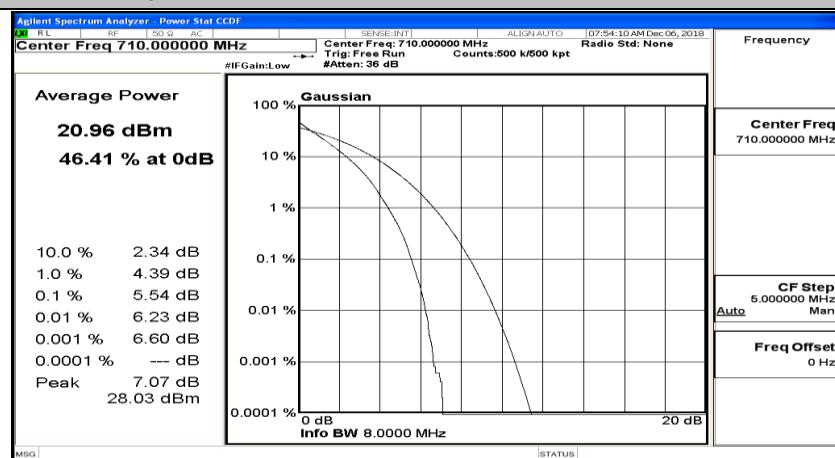
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



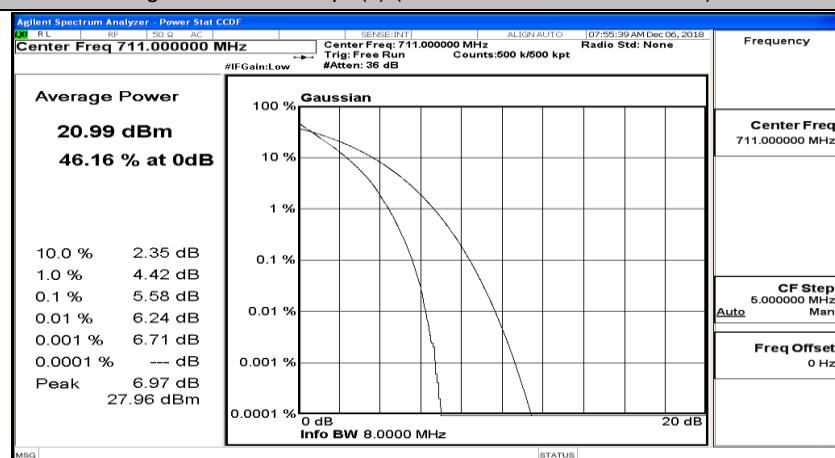
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



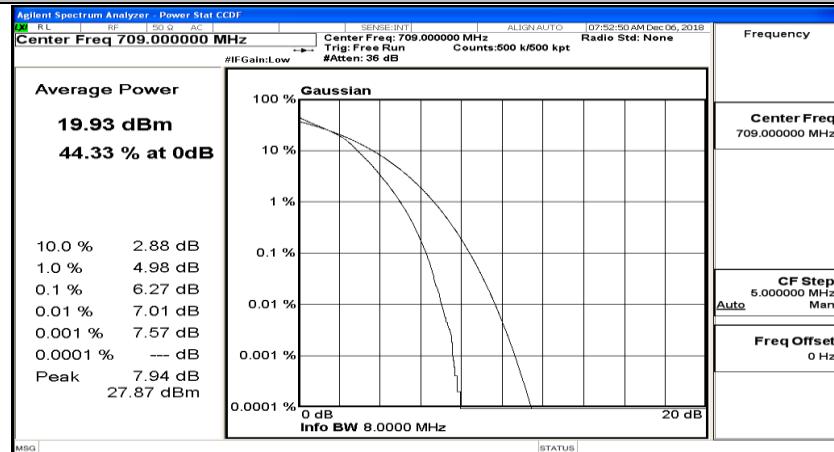
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



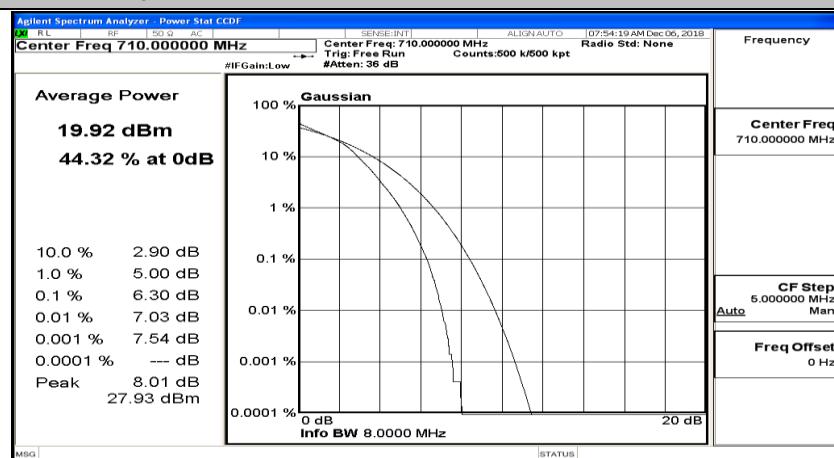
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



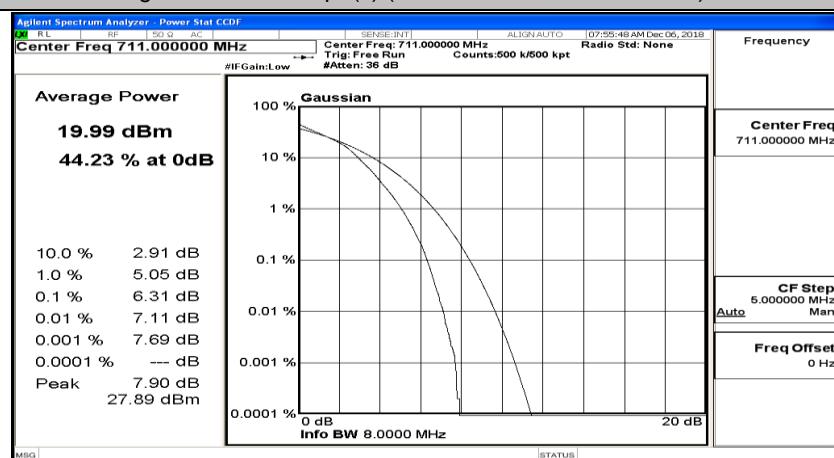
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

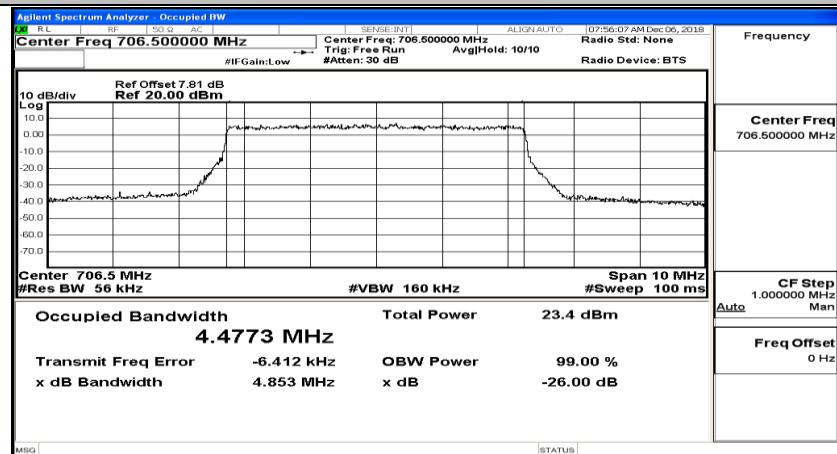


E.3 26dB Bandwidth and Occupied Bandwidth

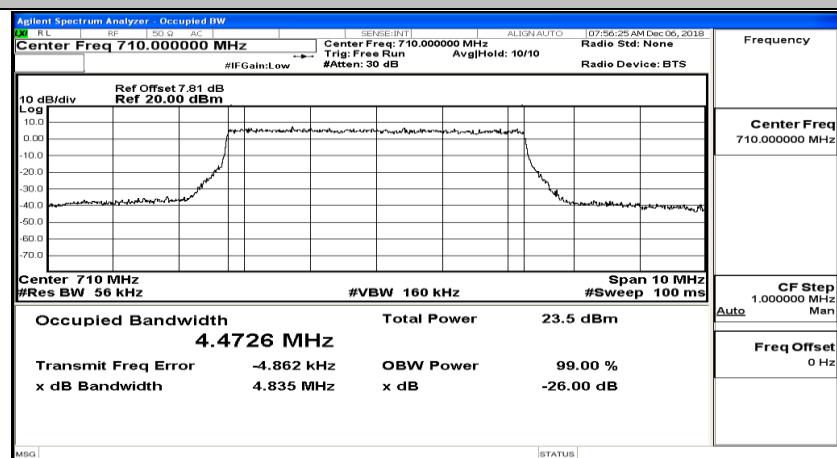
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4773	4.853	PASS
	MCH	4.4726	4.835	PASS
	HCH	4.4838	4.893	PASS
16QAM	LCH	4.4665	4.900	PASS
	MCH	4.4817	4.866	PASS
	HCH	4.4719	4.910	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9346	9.541	PASS
	MCH	8.9475	9.512	PASS
	HCH	8.9373	9.541	PASS
16QAM	LCH	8.9351	9.540	PASS
	MCH	8.9388	9.442	PASS
	HCH	8.9445	9.544	PASS

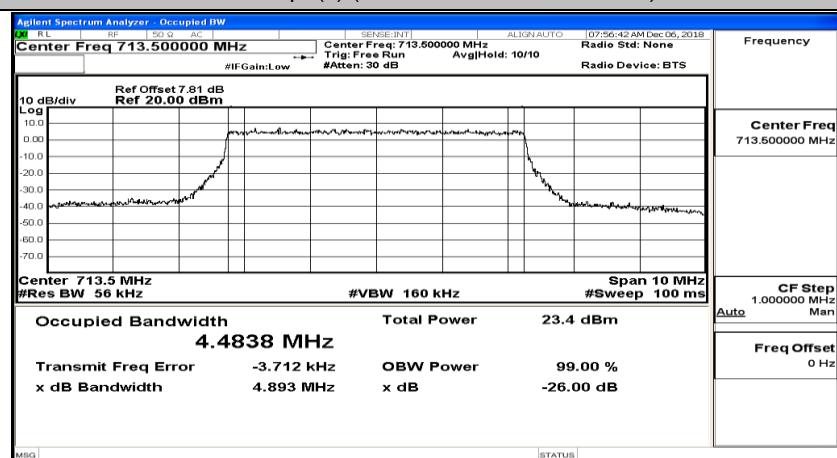
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



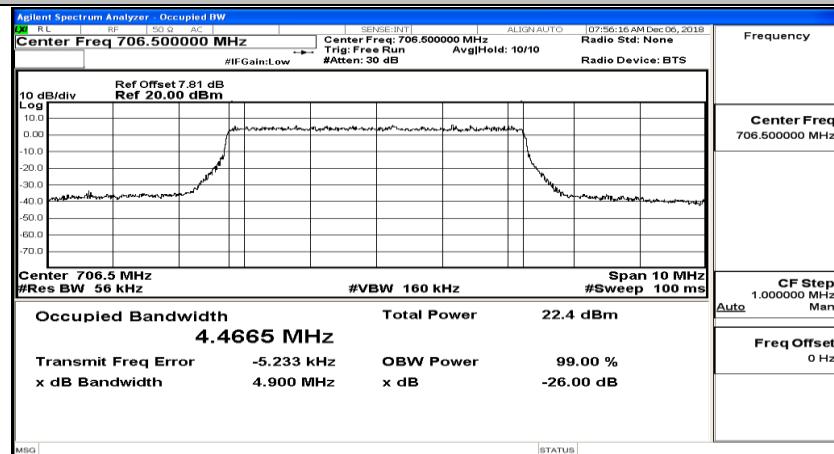
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



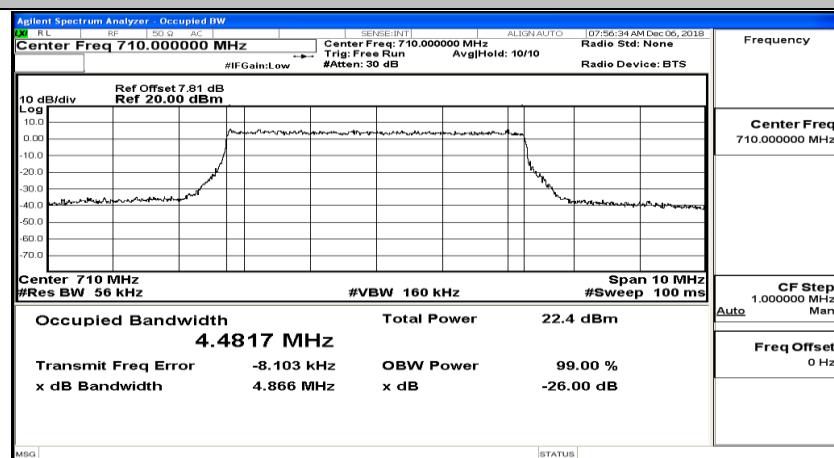
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



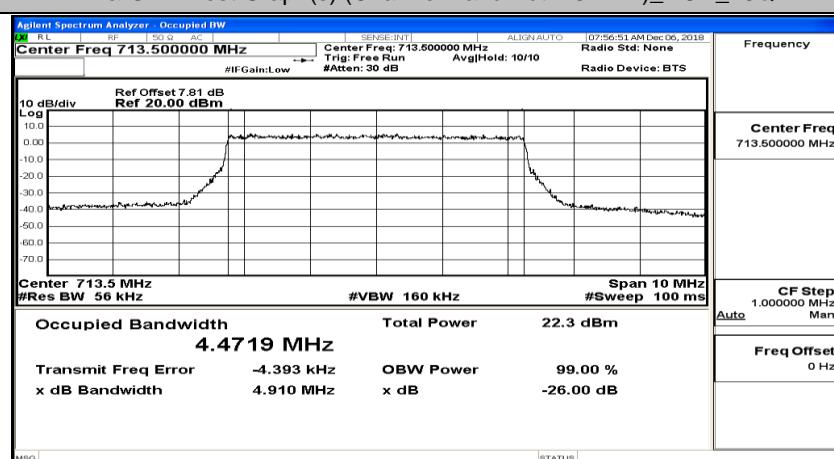
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



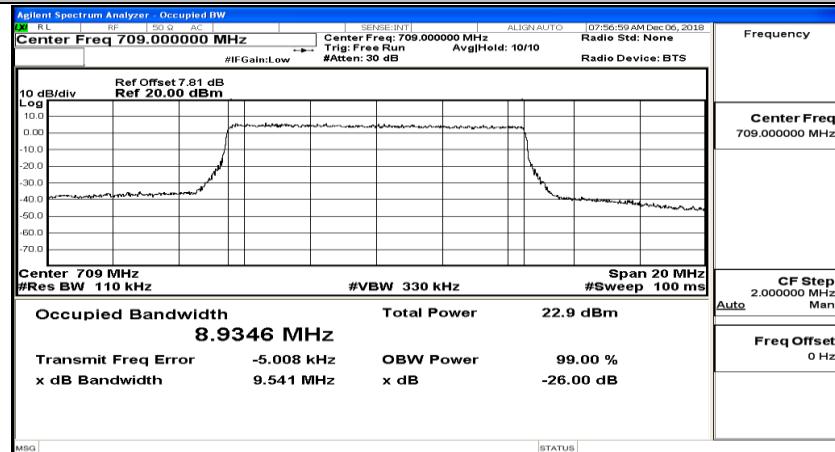
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



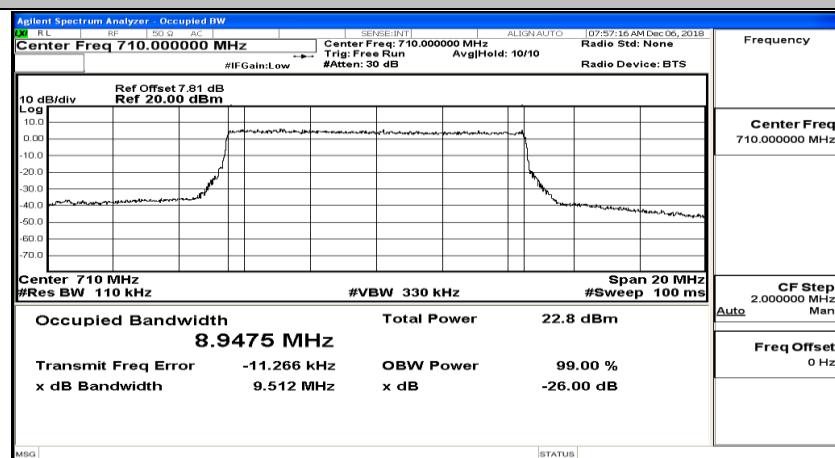
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



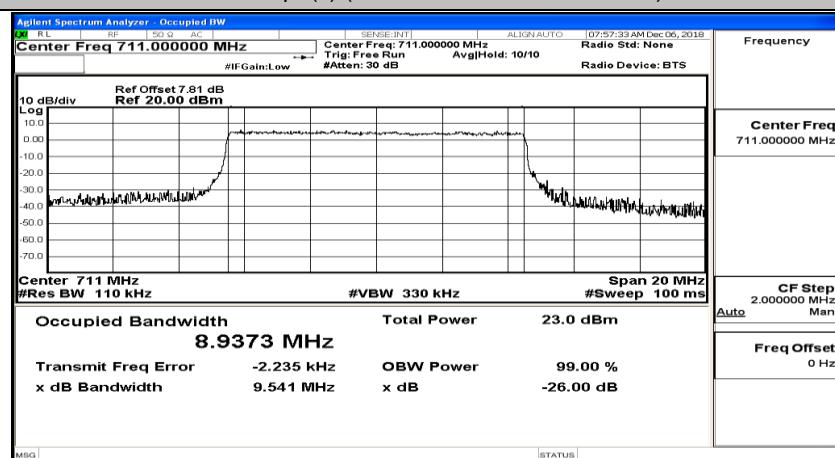
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



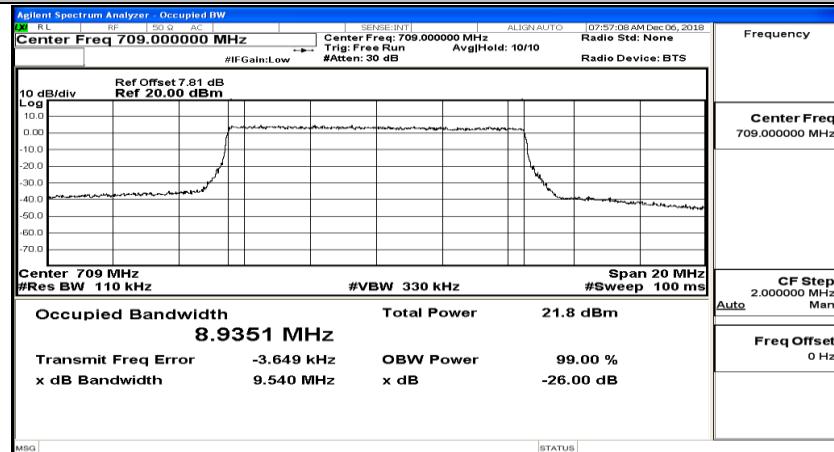
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



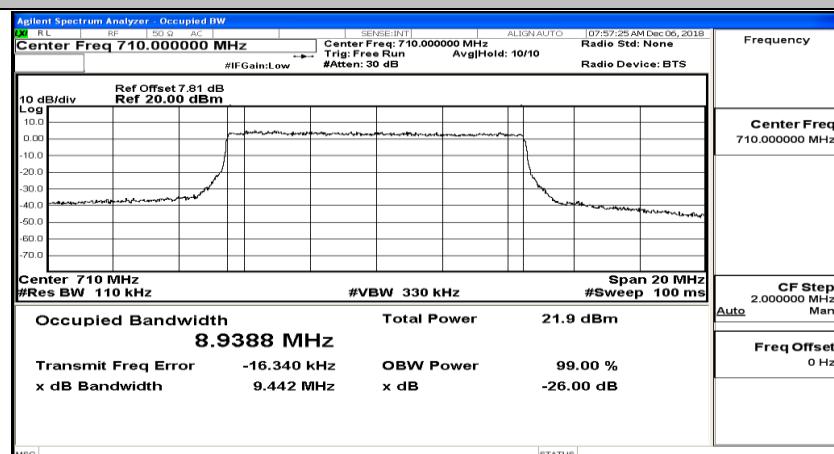
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



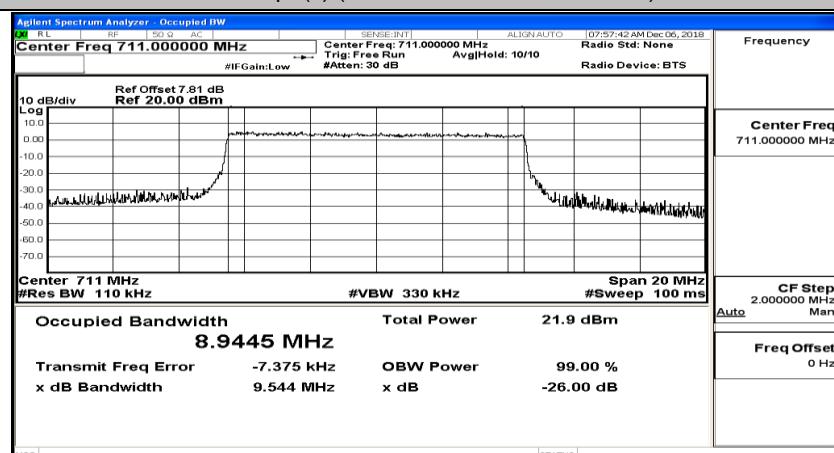
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



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

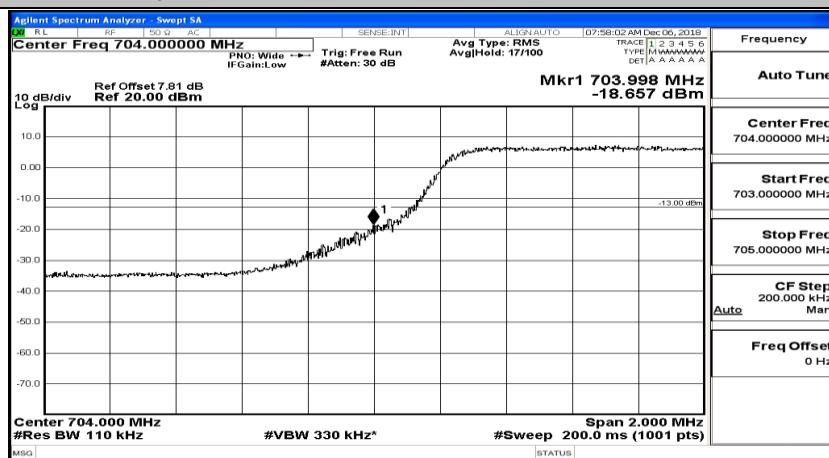


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

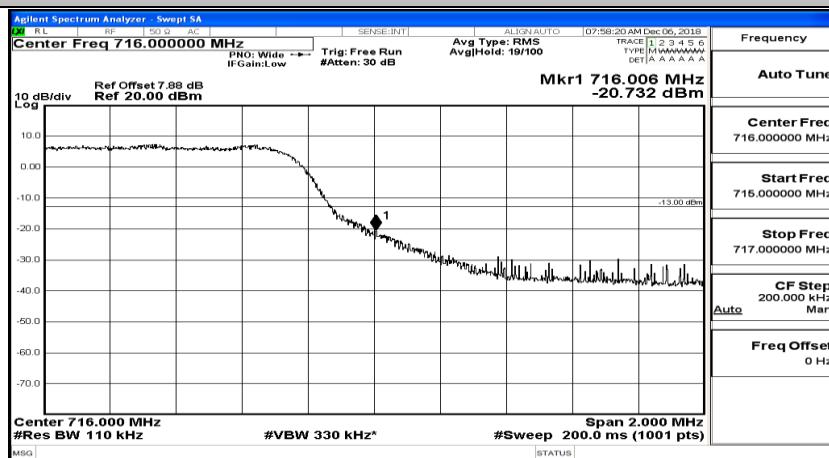


E.4 Band Edge

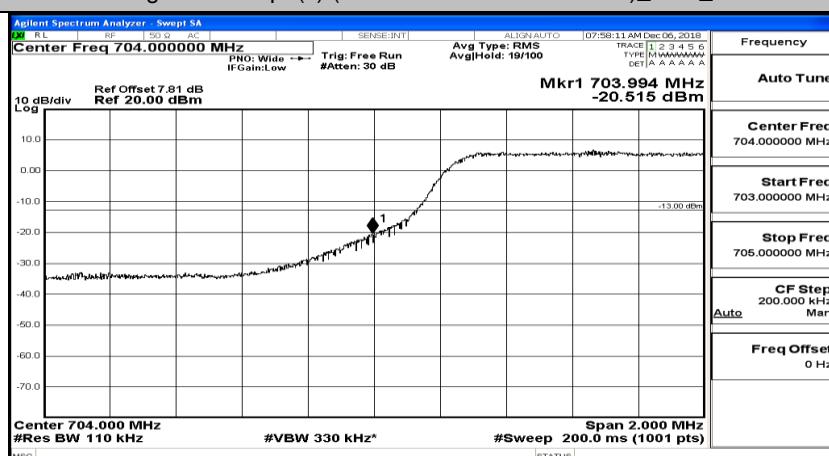
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK

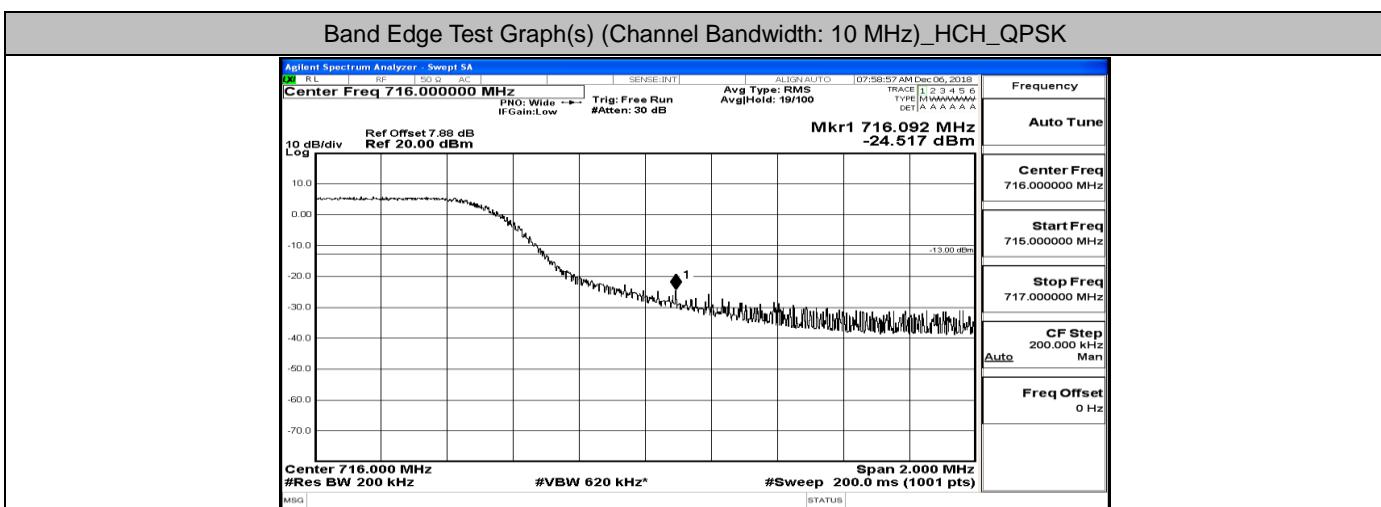
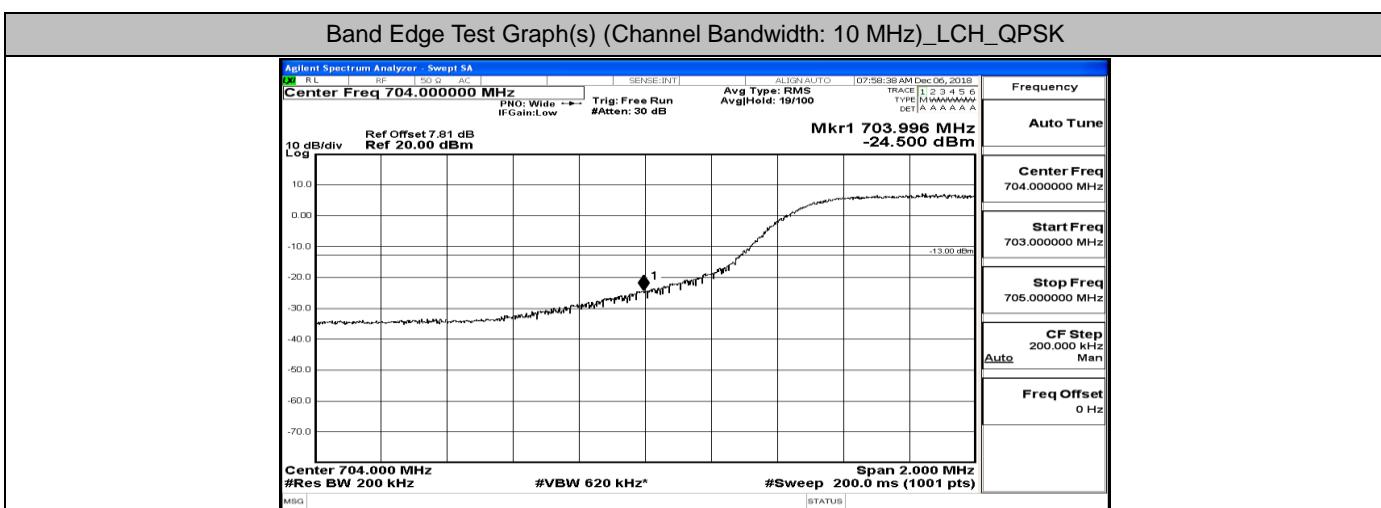
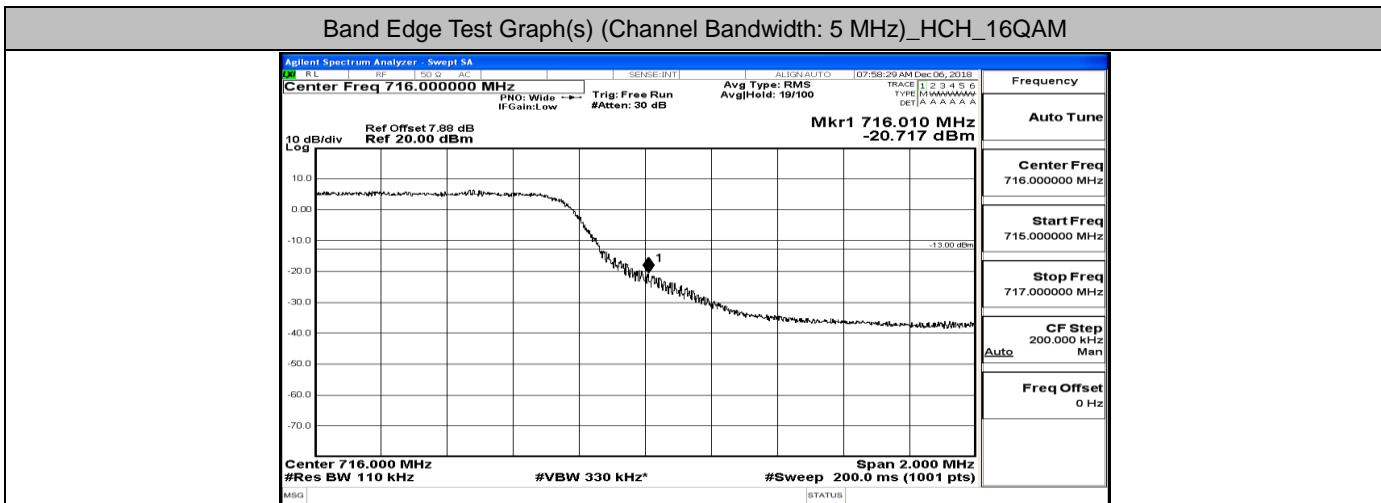


Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK

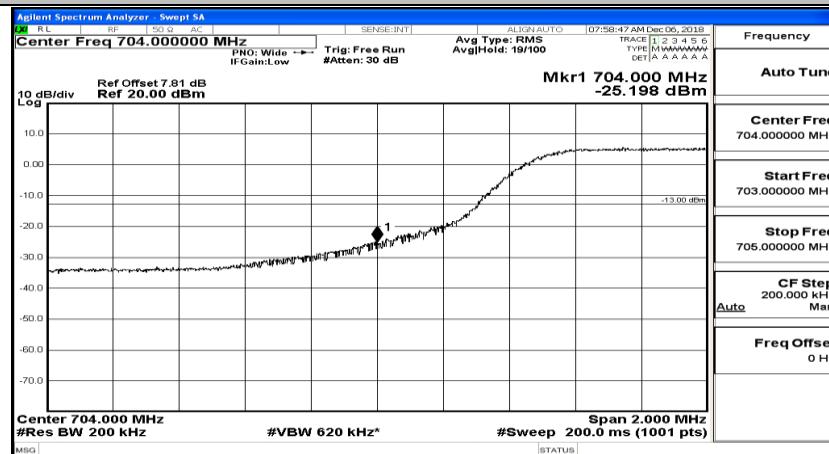


Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM

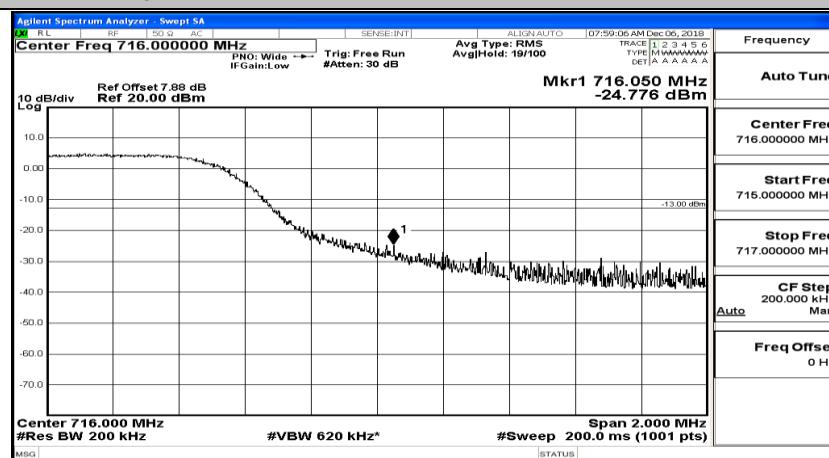




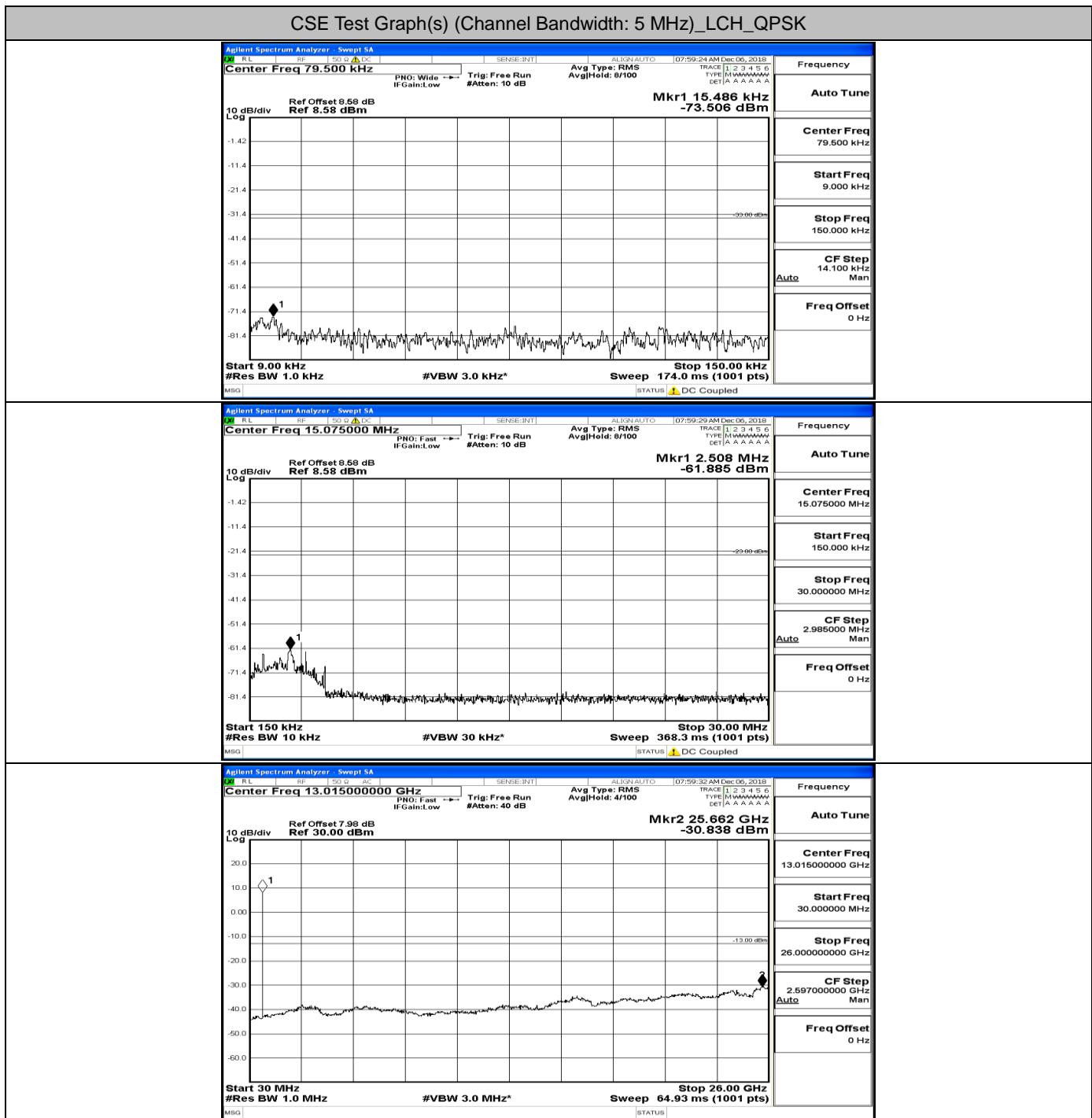
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



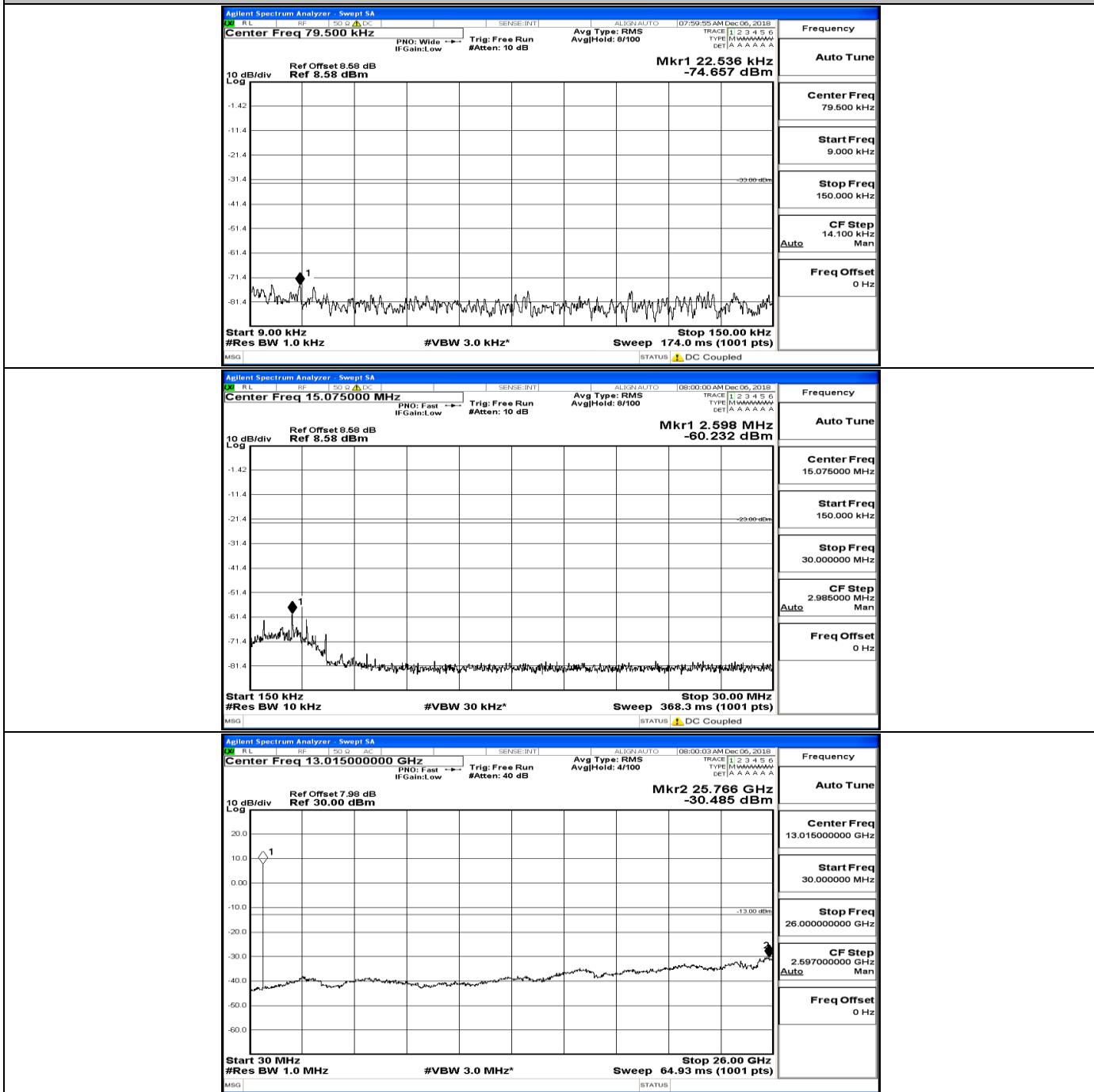
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



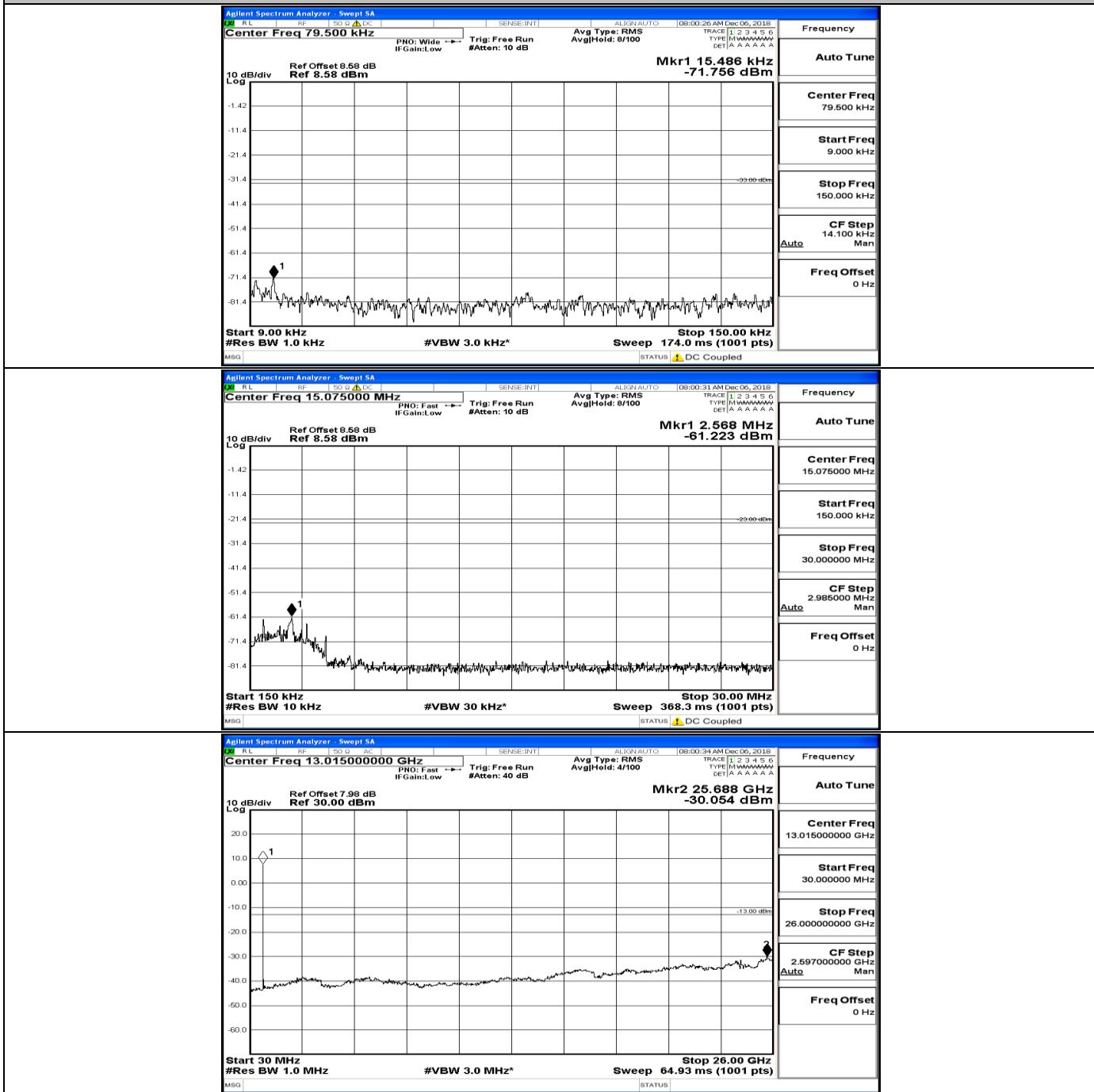
E.5 Conducted Spurious Emission



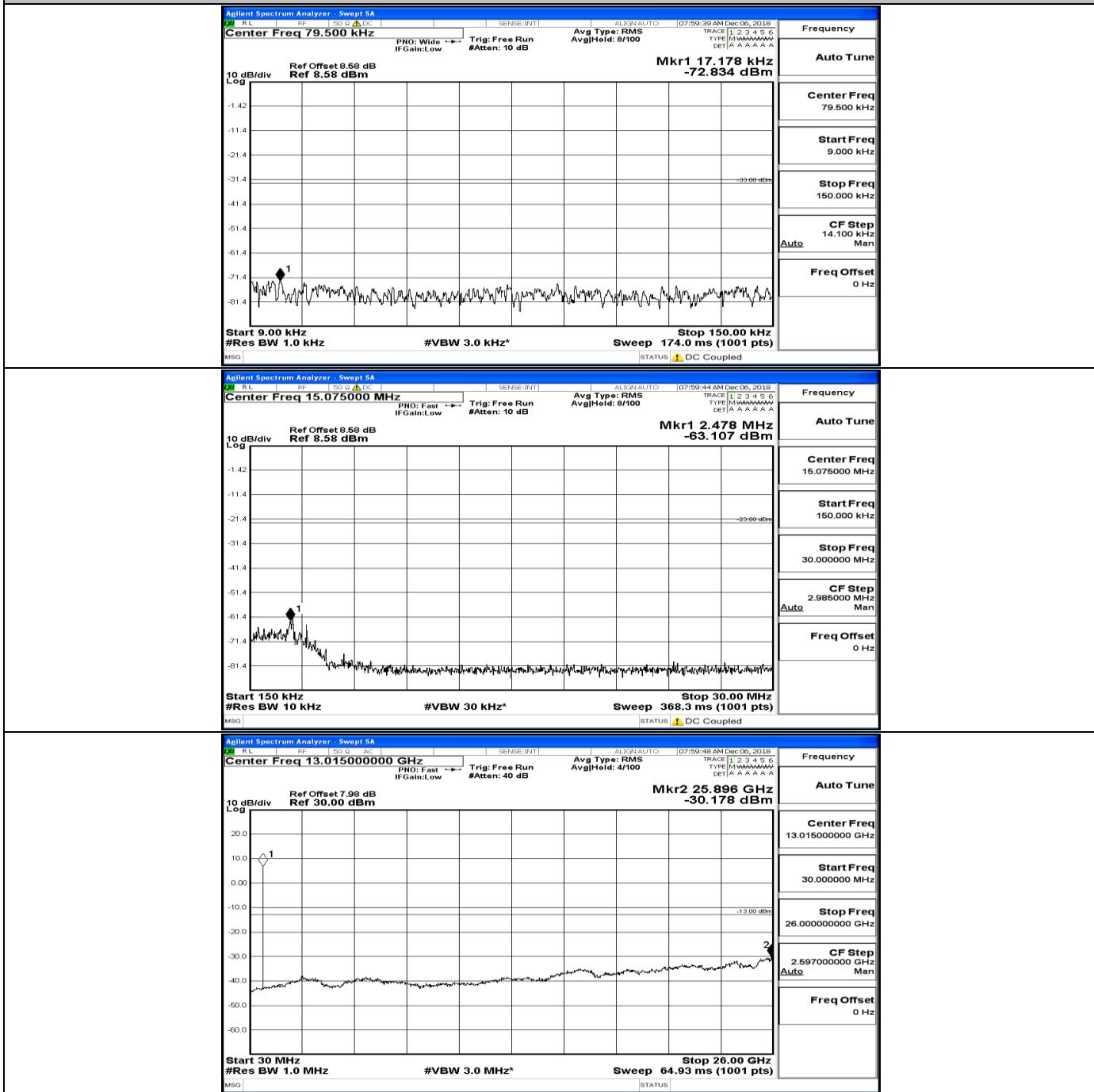
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



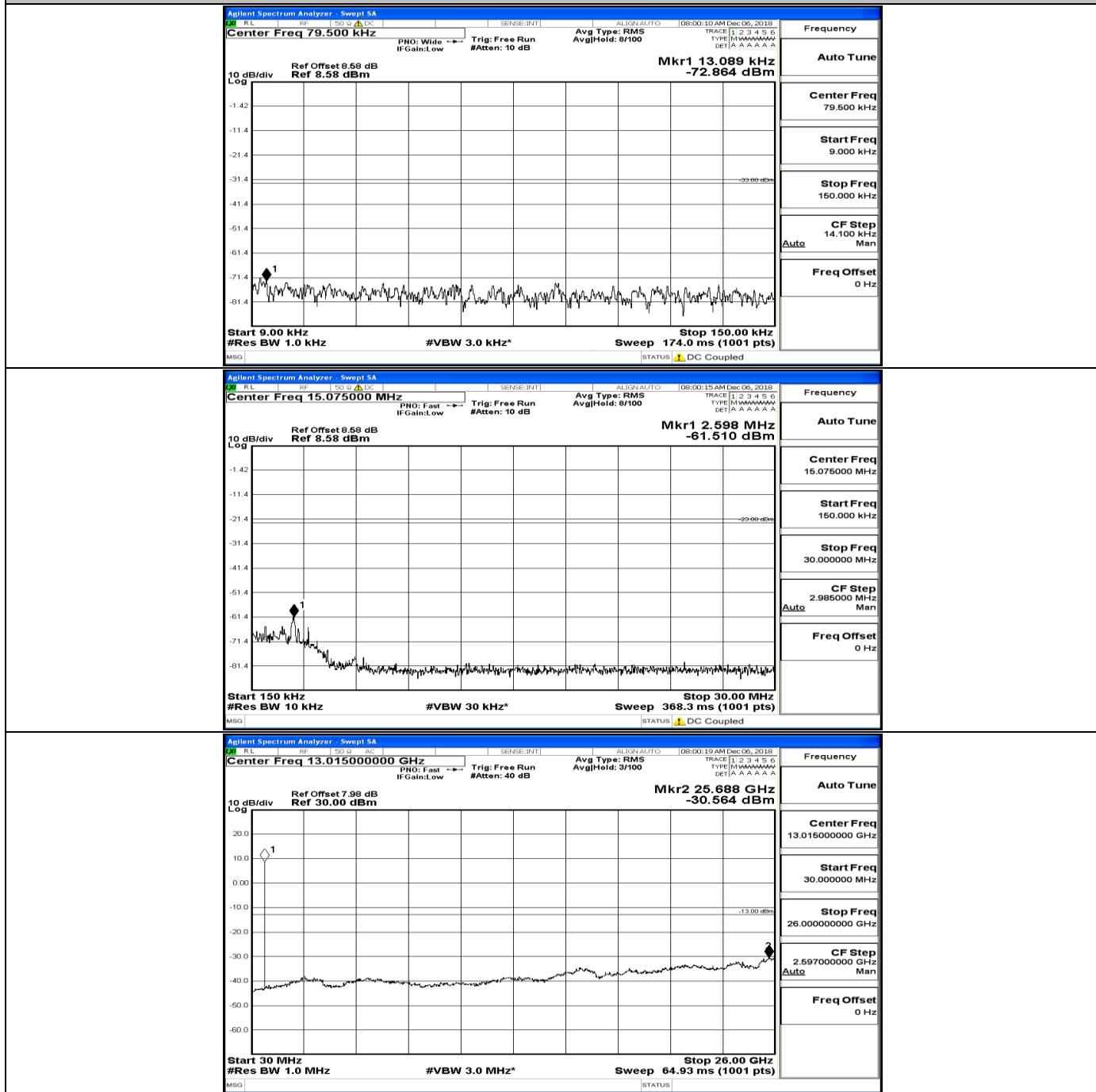
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



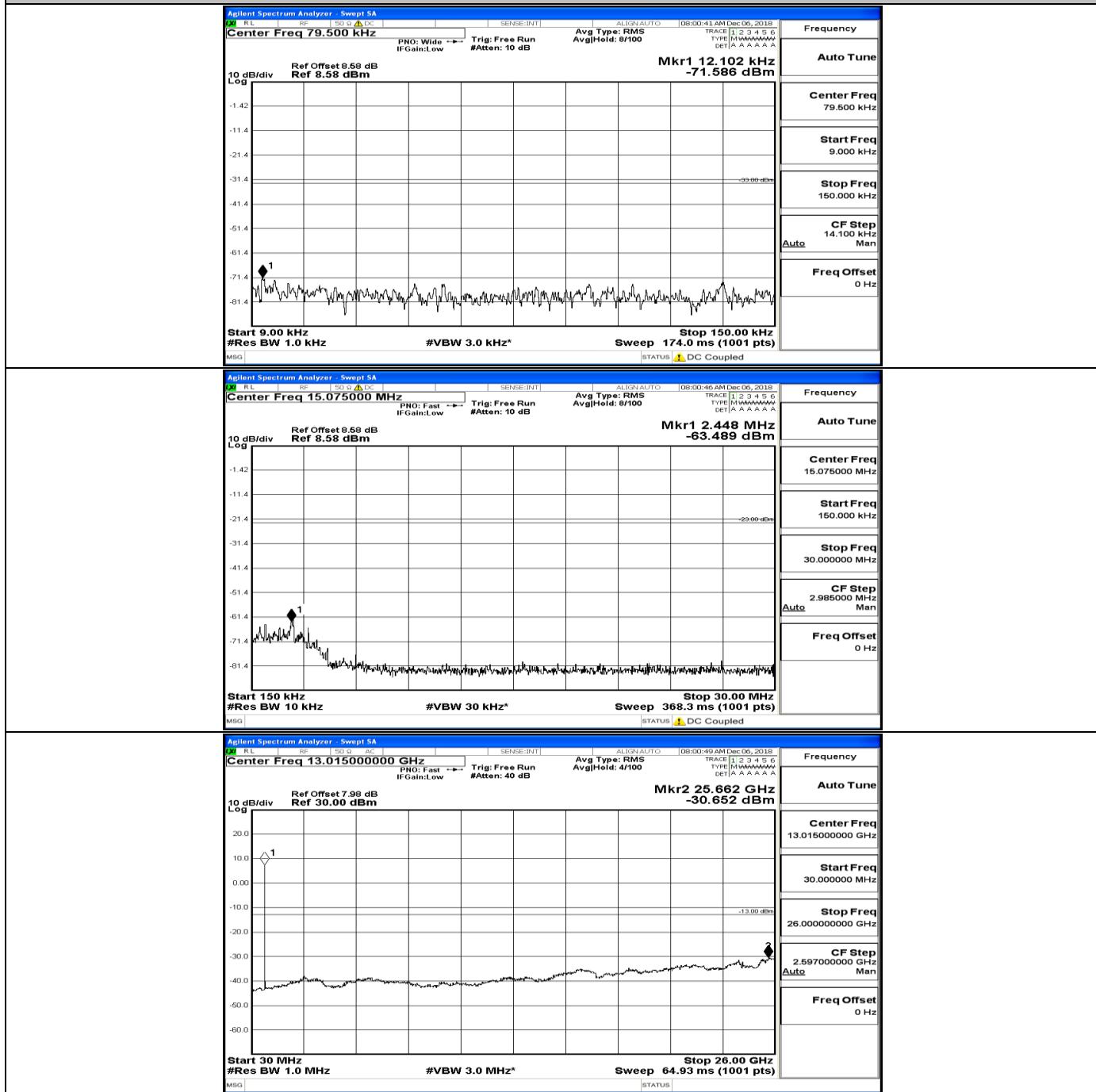
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



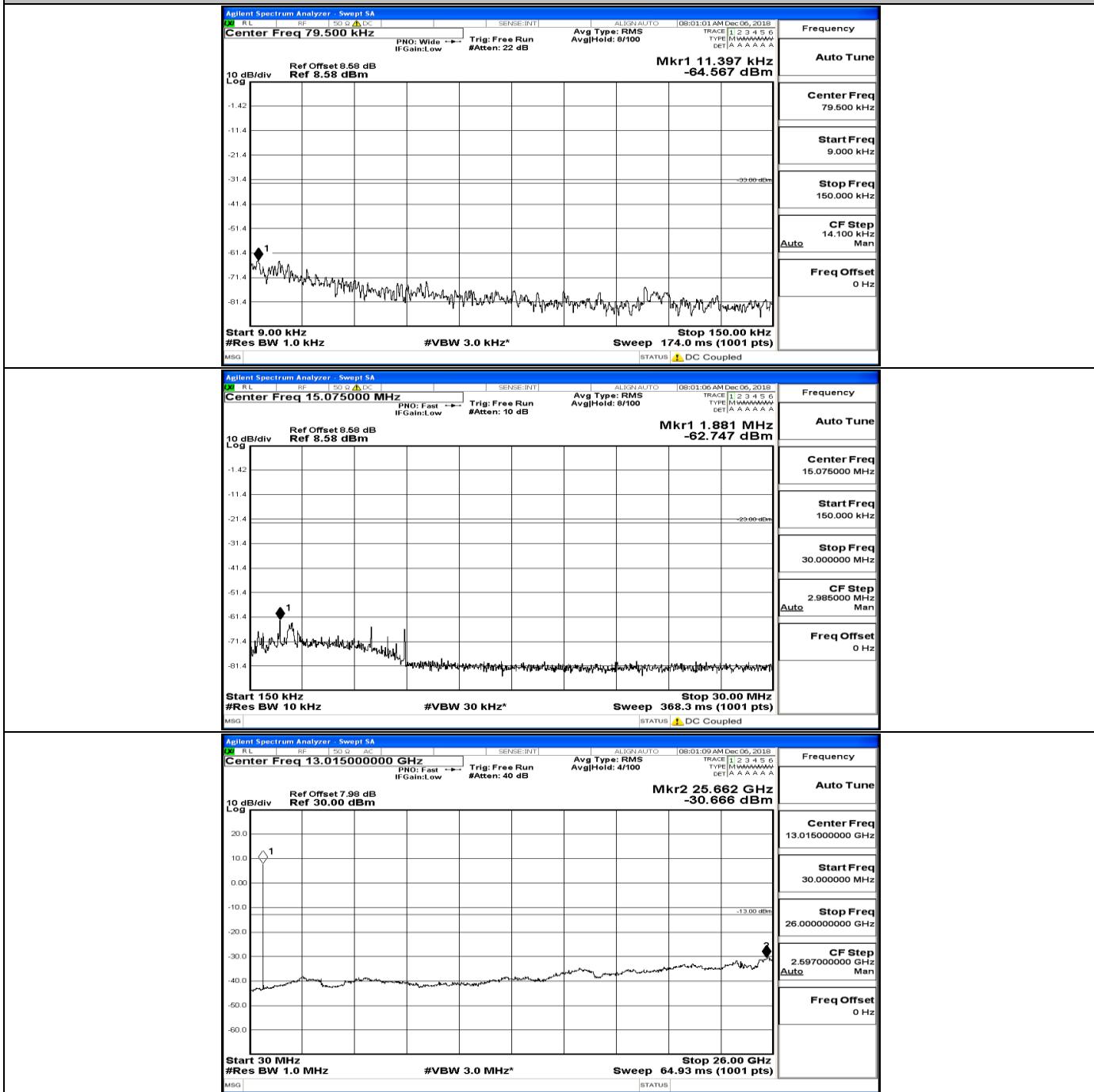
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



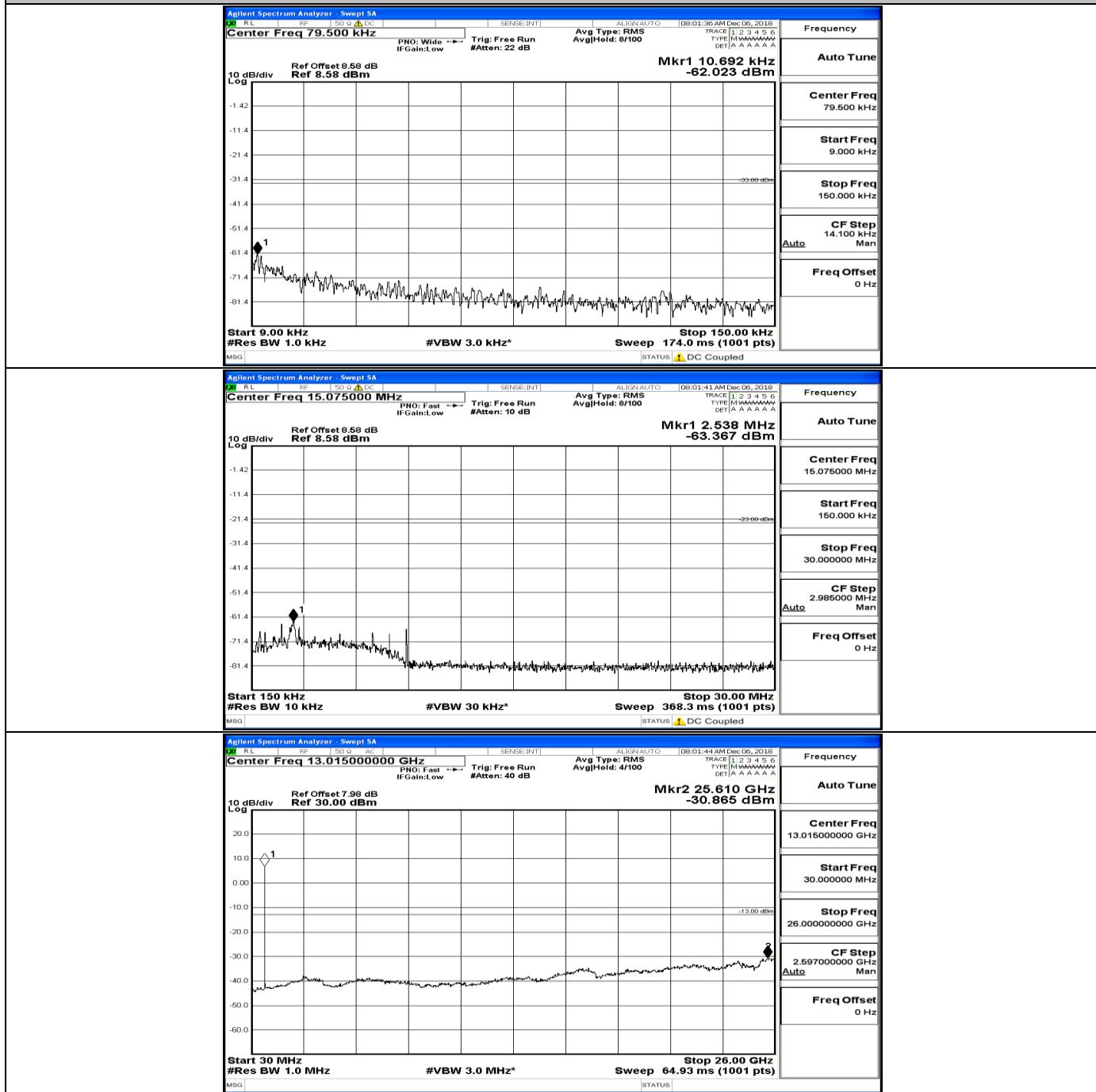
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



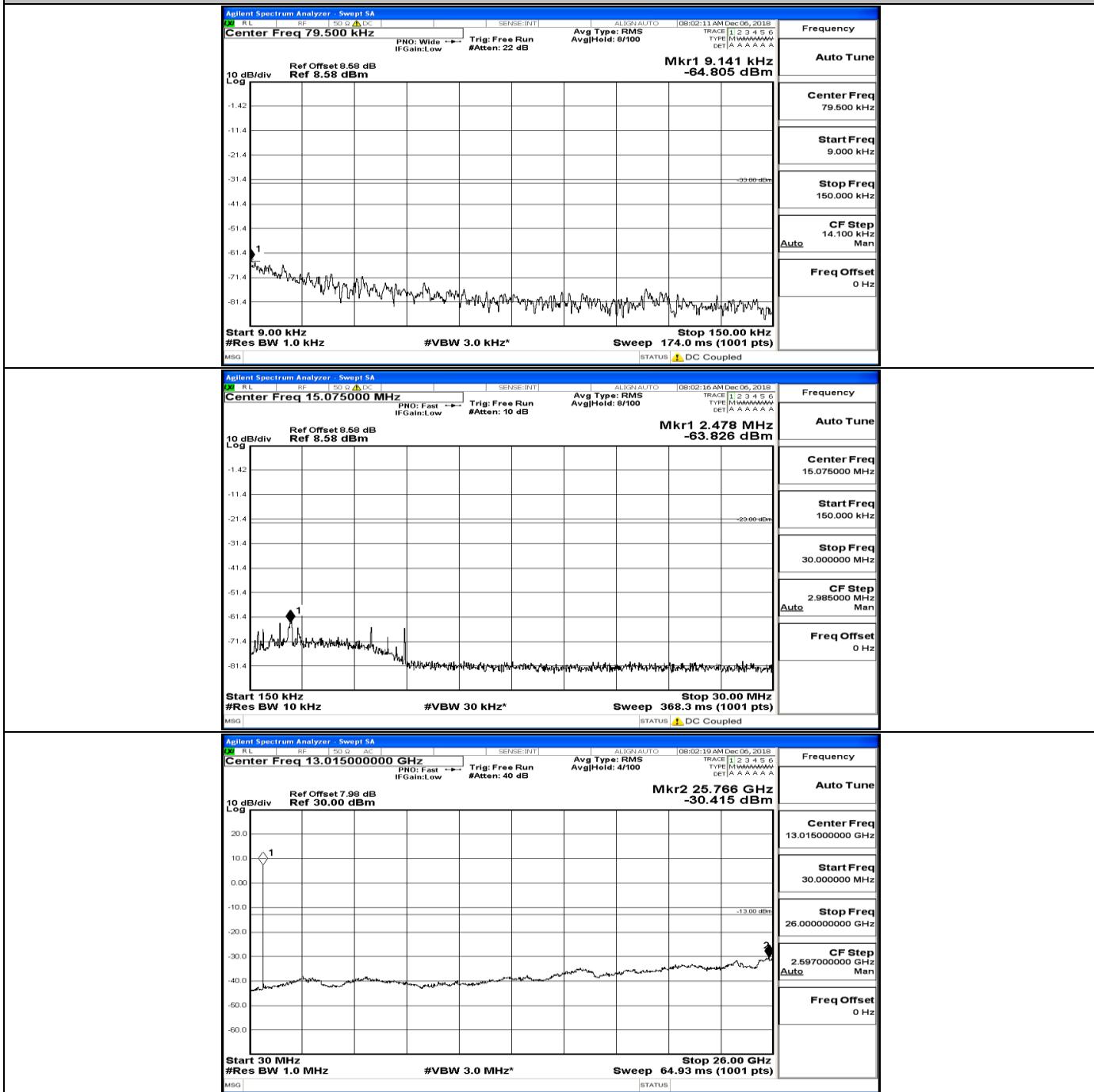
CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



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



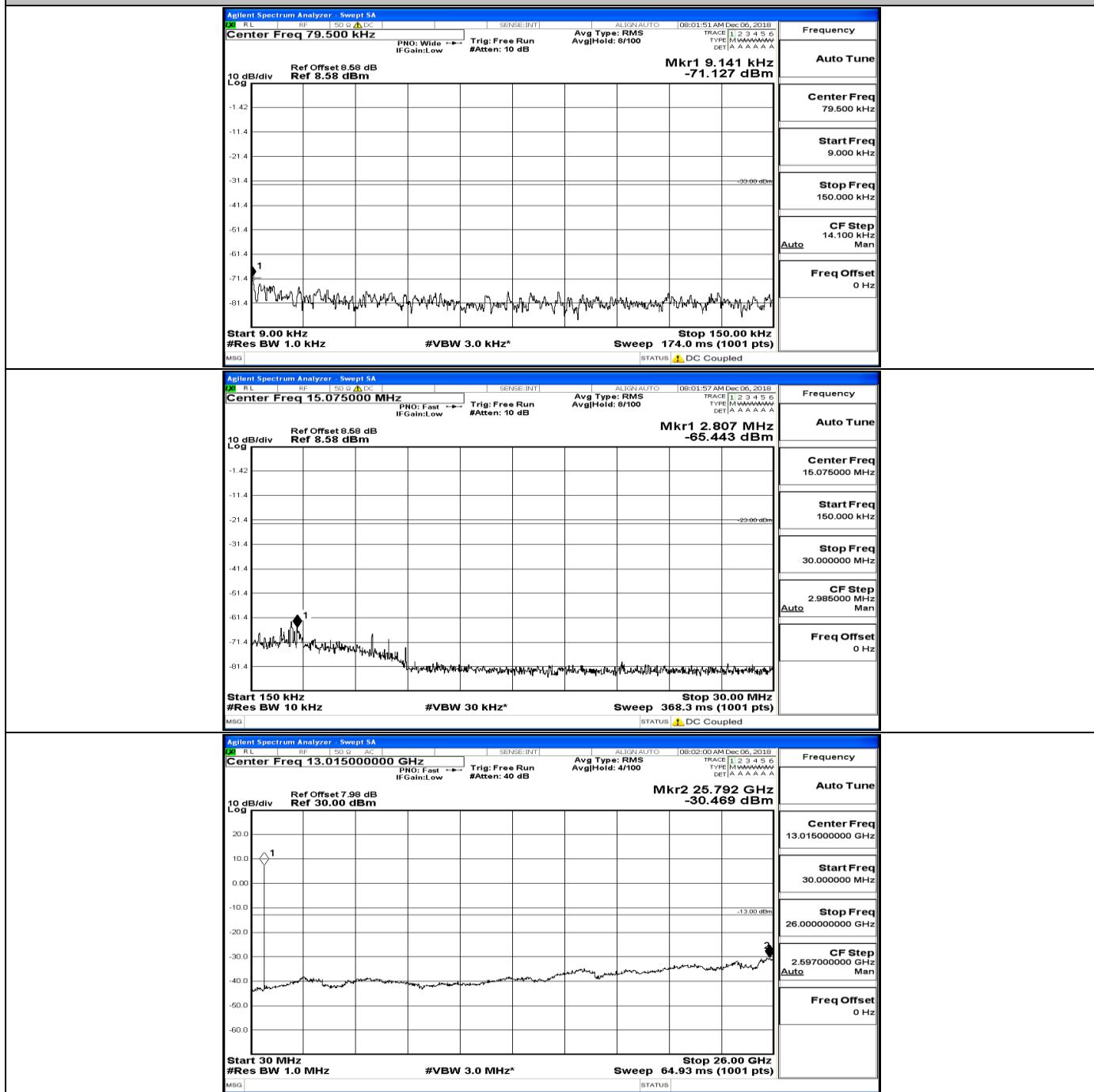
CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



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

