

Appendix H: Test Data for E-UTRA Band 13

Product Name: MOBILE PHONE

Trade Mark: CELLUTION

Test Model: PADUA

Environmental Conditions

Temperature:	23.1° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	LI HUAN

H.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	23.89	23.50	PASS
		1	12	25.08	23.87	PASS
		1	24	24.44	23.48	PASS
		12	0	23.35	22.39	PASS
		12	6	23.45	22.48	PASS
		12	13	23.74	22.73	PASS
		25	0	23.60	22.63	PASS
	MCH	1	0	24.39	23.62	PASS
		1	12	24.61	23.78	PASS
		1	24	24.19	23.37	PASS
		12	0	23.07	22.09	PASS
		12	6	23.32	22.35	PASS
		12	13	23.17	22.22	PASS
		25	0	23.16	22.12	PASS
	HCH	1	0	24.30	23.39	PASS
		1	12	24.51	23.61	PASS
		1	24	24.06	23.26	PASS
		12	0	23.37	22.41	PASS
		12	6	23.22	22.33	PASS
		12	13	22.87	21.94	PASS
		25	0	23.16	22.14	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	MCH	1	0	23.87	23.59	PASS
		1	24	25.55	23.71	PASS
		1	49	23.84	23.31	PASS
		25	0	23.06	22.03	PASS
		25	12	23.37	22.28	PASS
		25	25	22.86	21.88	PASS
		50	0	22.95	21.93	PASS

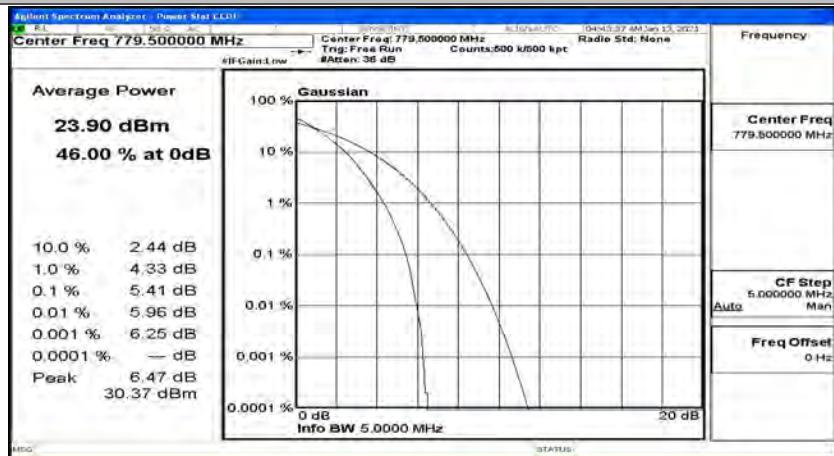
H.2 Peak-to-Average Ratio

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.41	<13	PASS
	MCH	4.92	<13	PASS
	HCH	5.16	<13	PASS
16QAM	LCH	6.05	<13	PASS
	MCH	5.75	<13	PASS
	HCH	5.86	<13	PASS

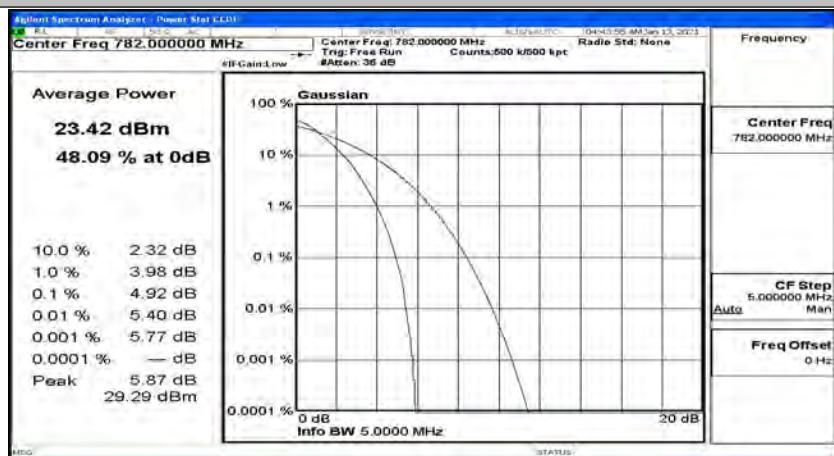
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	MCH	5.07	<13	PASS
16QAM	MCH	5.93	<13	PASS

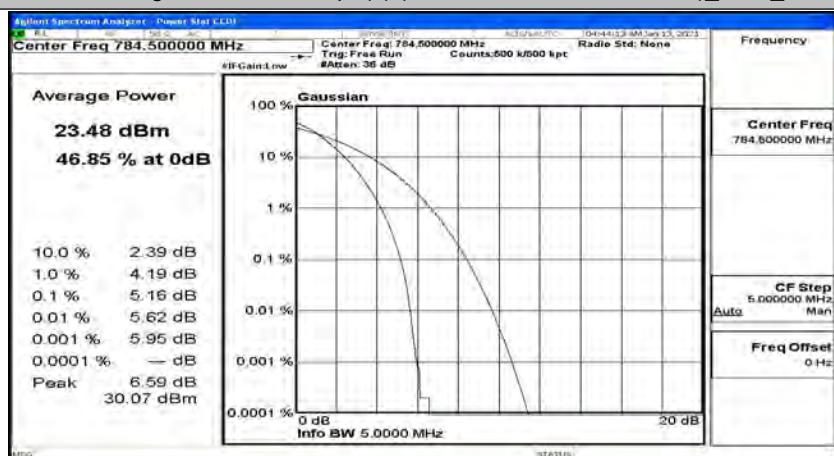
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



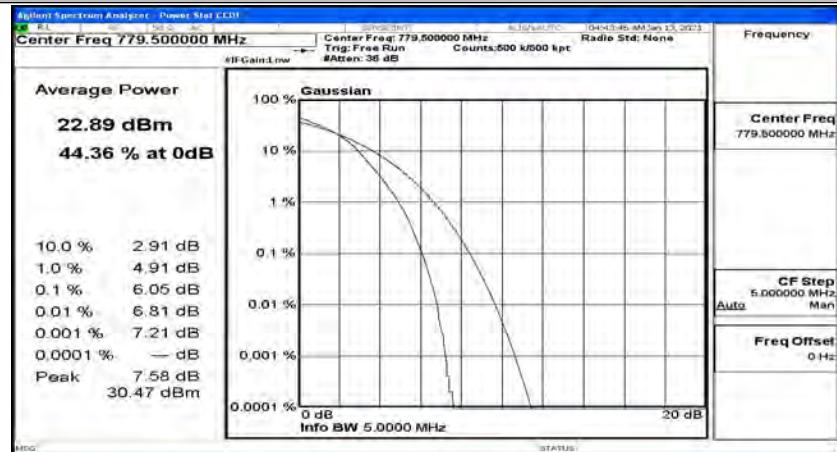
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



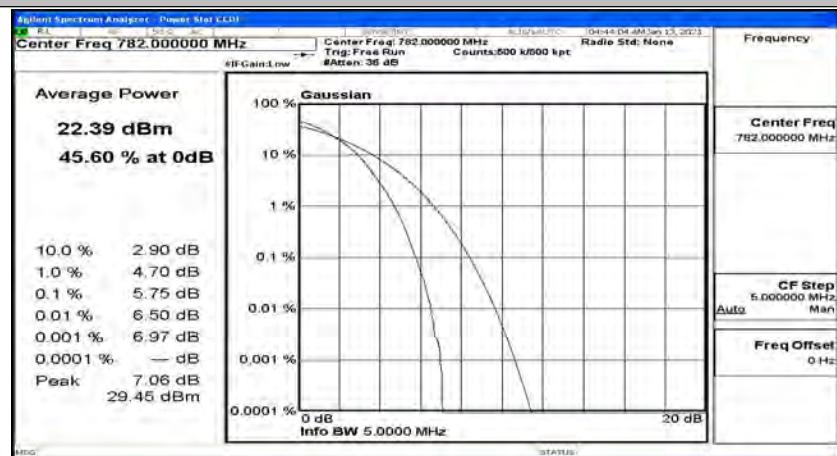
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



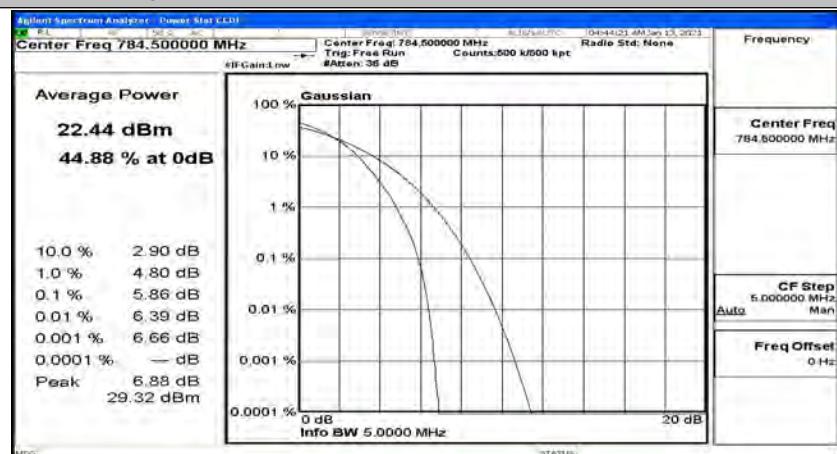
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



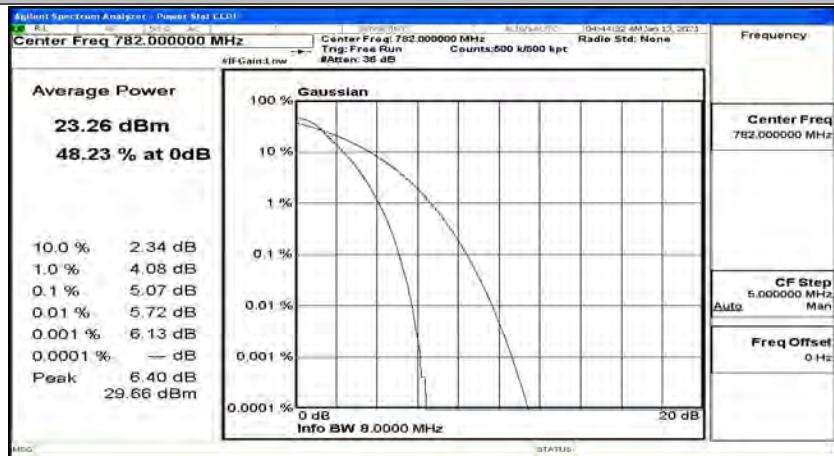
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



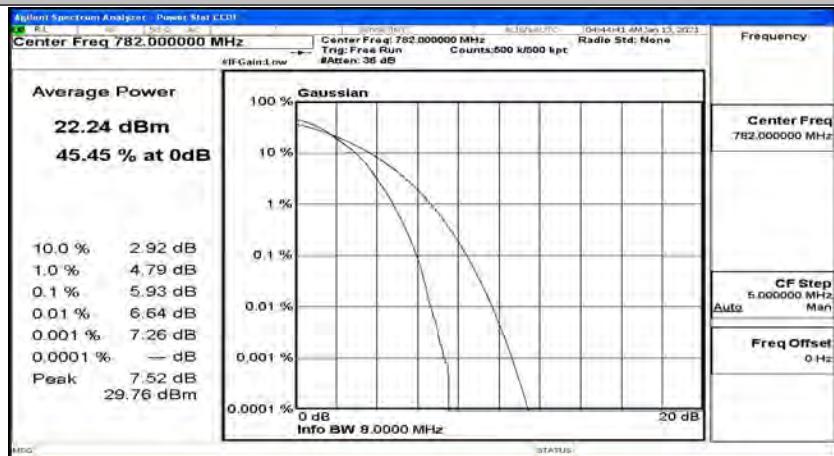
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



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



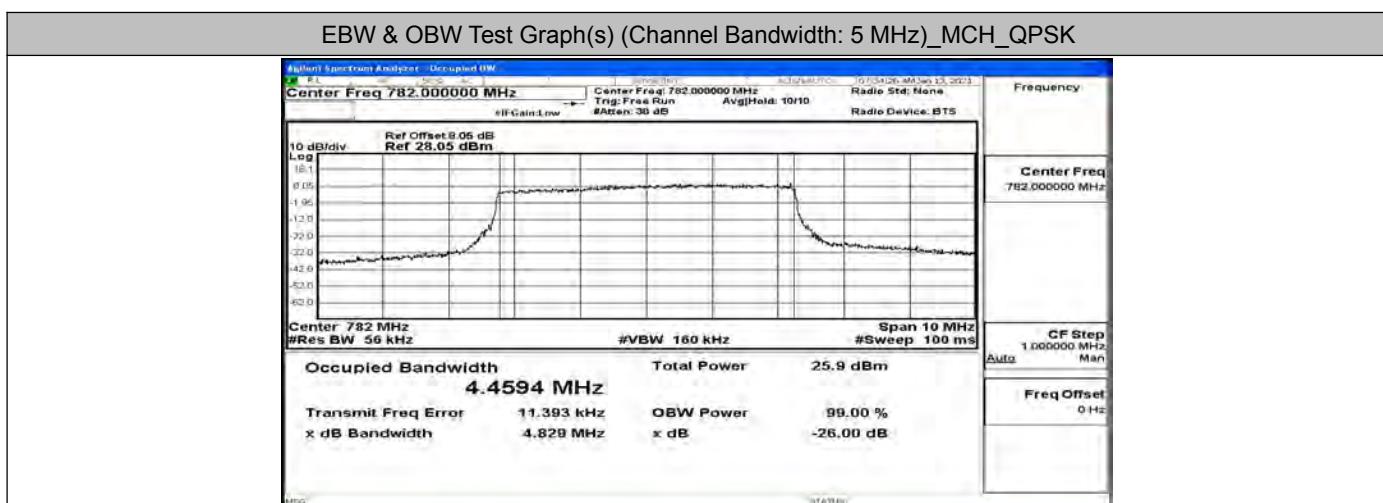
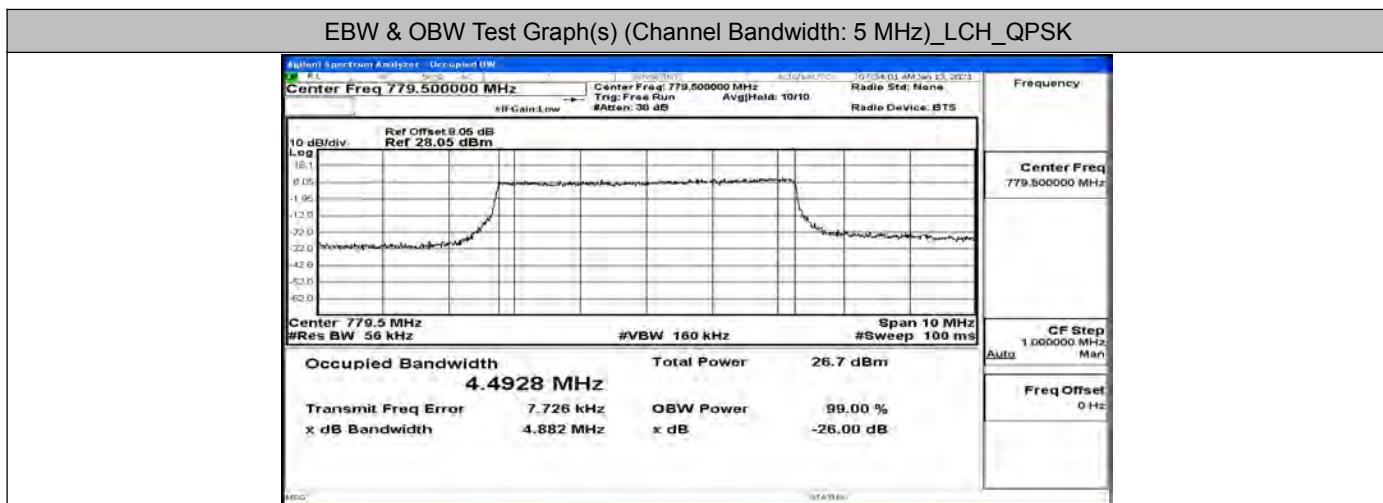
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



H.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	4.4928	4.882	PASS
	MCH	4.4594	4.829	PASS
	HCH	4.4558	4.771	PASS
16QAM	LCH	4.4920	4.874	PASS
	MCH	4.4522	4.783	PASS
	HCH	4.4593	4.821	PASS

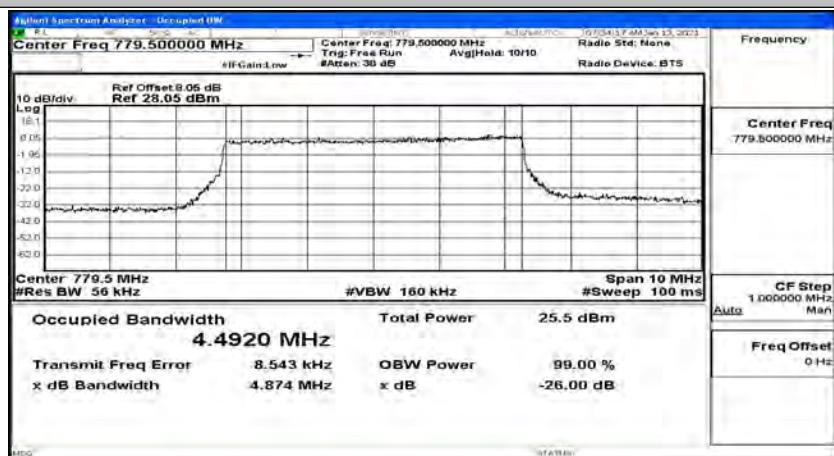
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	MCH	8.9060	9.416	PASS
16QAM	MCH	8.8896	9.309	PASS



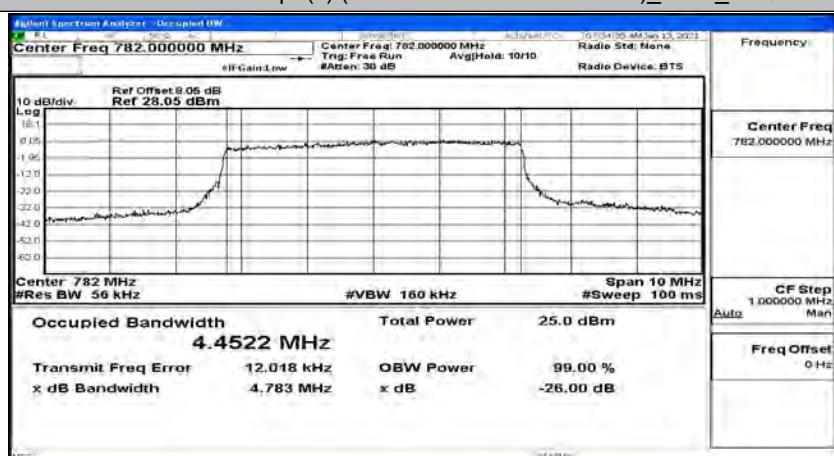
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



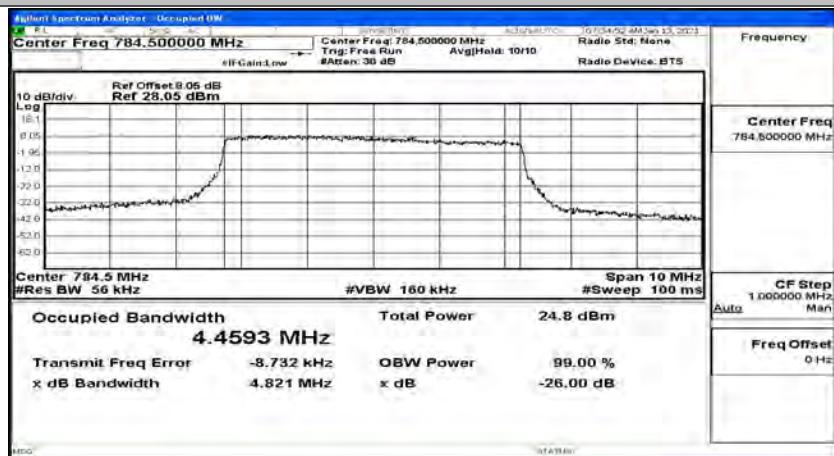
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



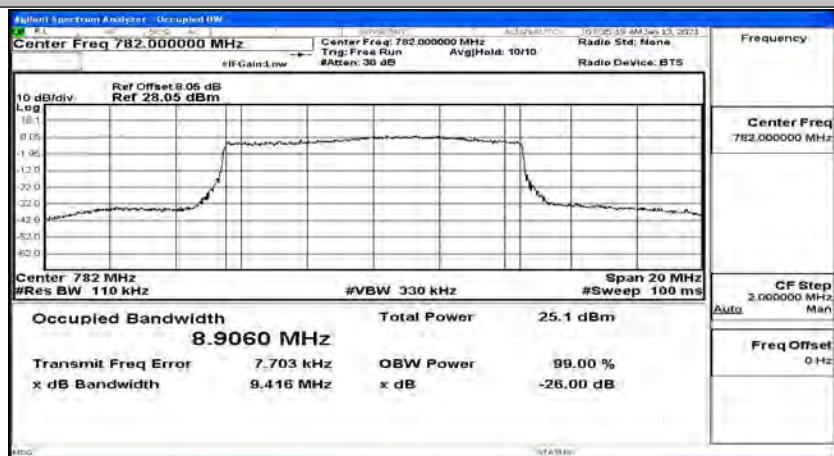
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



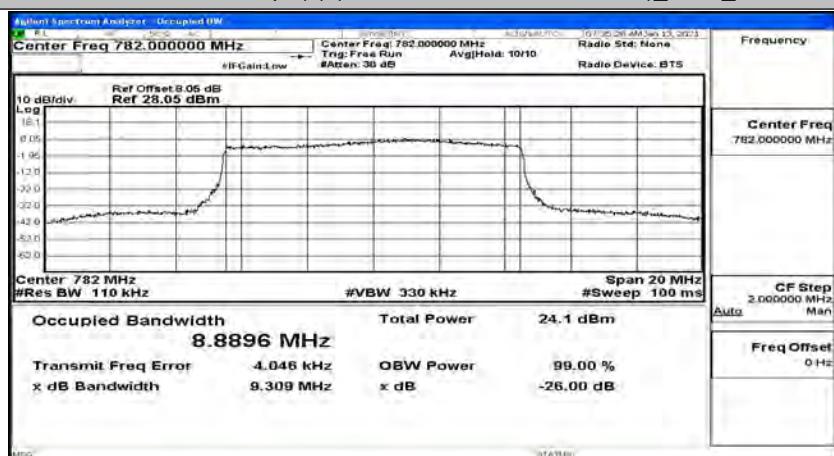
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



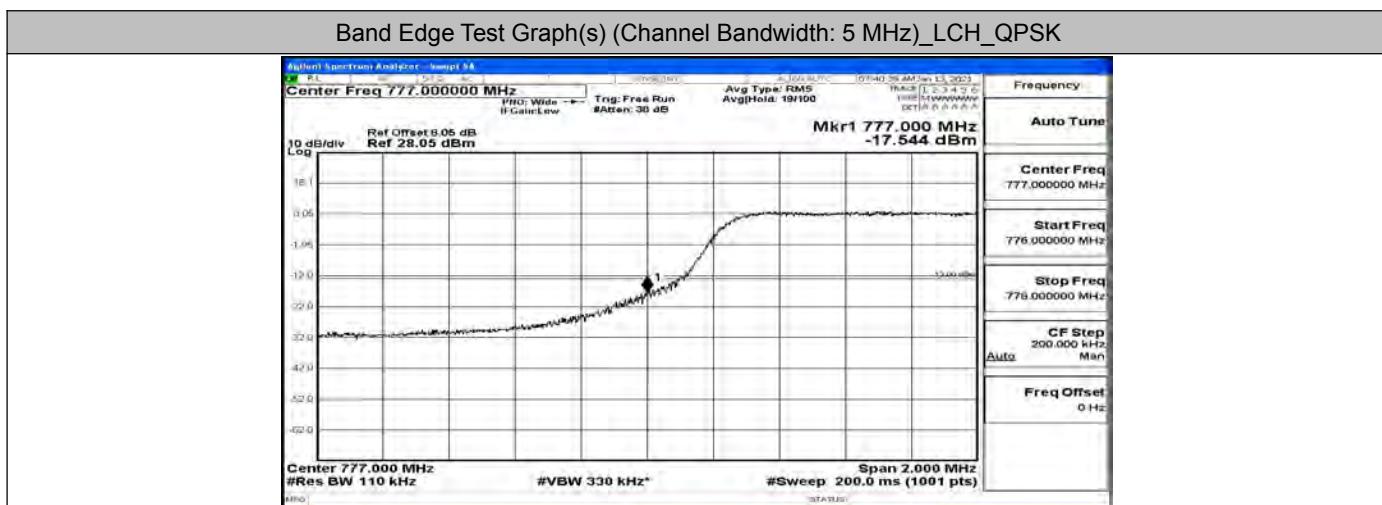
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



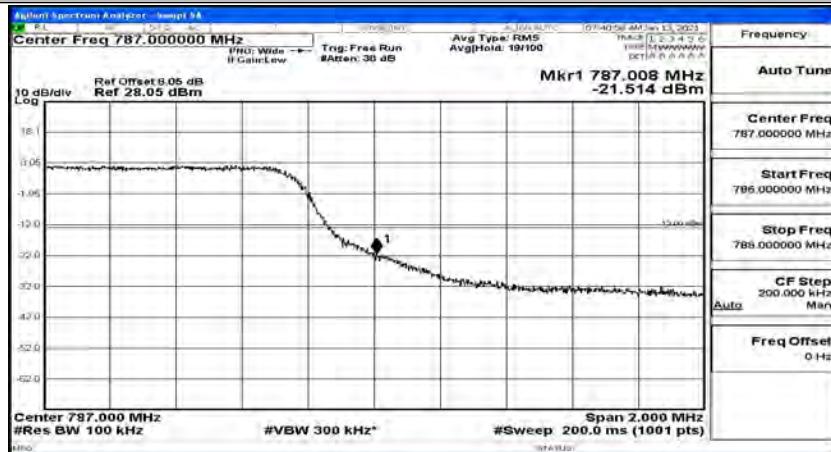
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



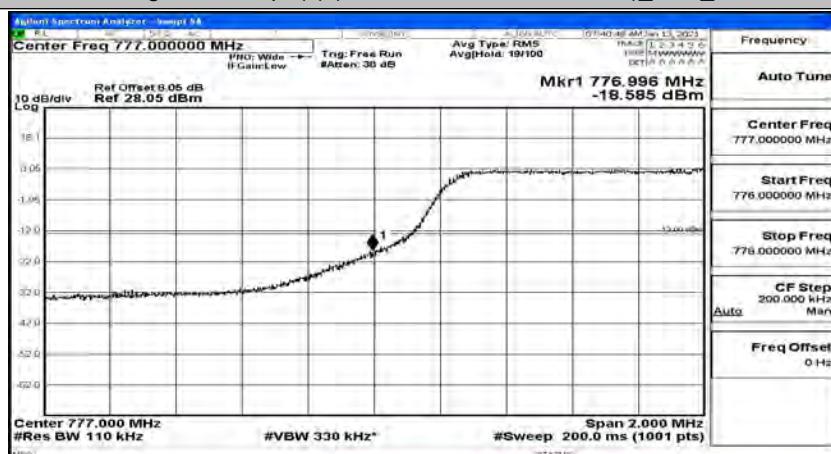
H.4 Band Edge



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



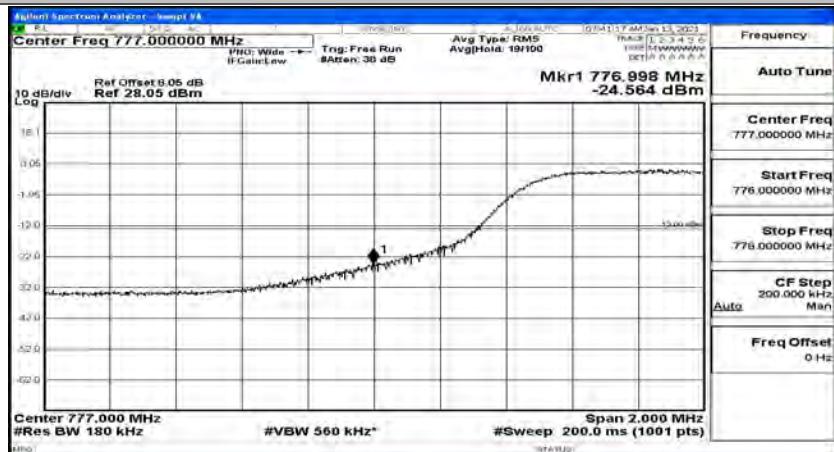
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



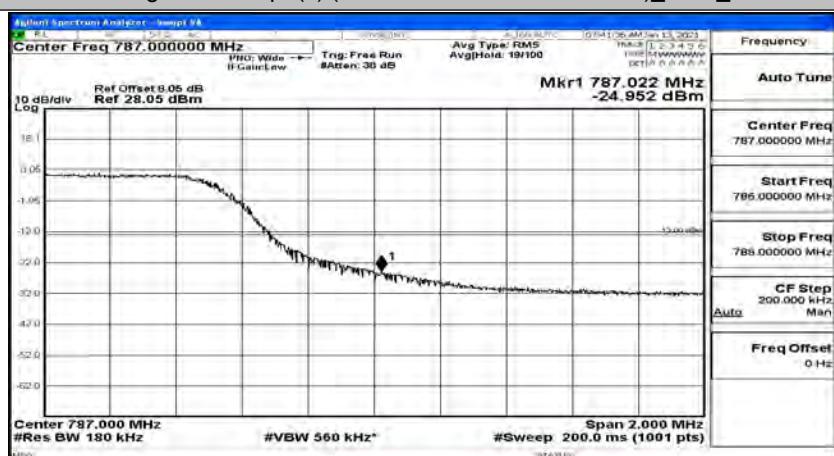
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



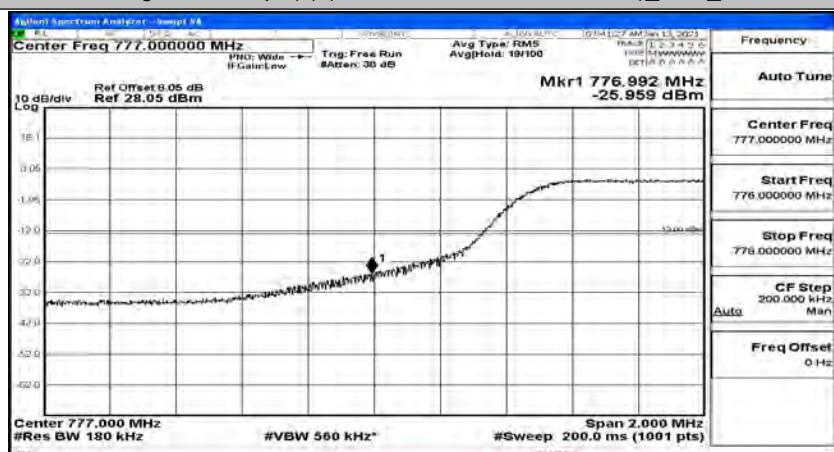
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



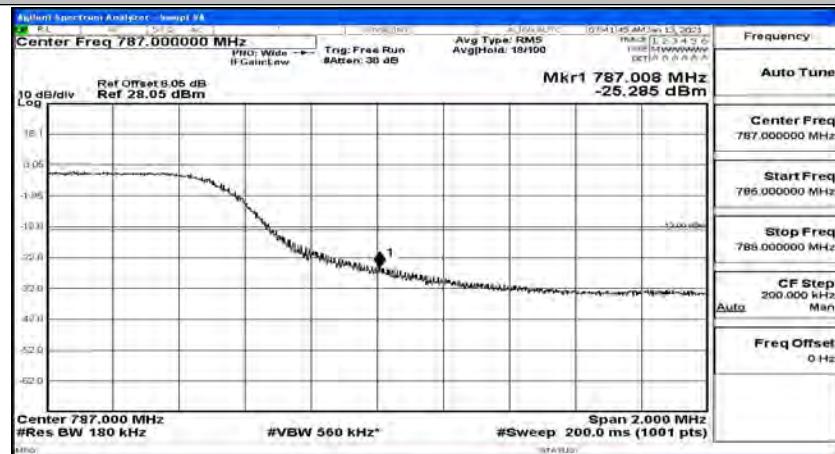
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



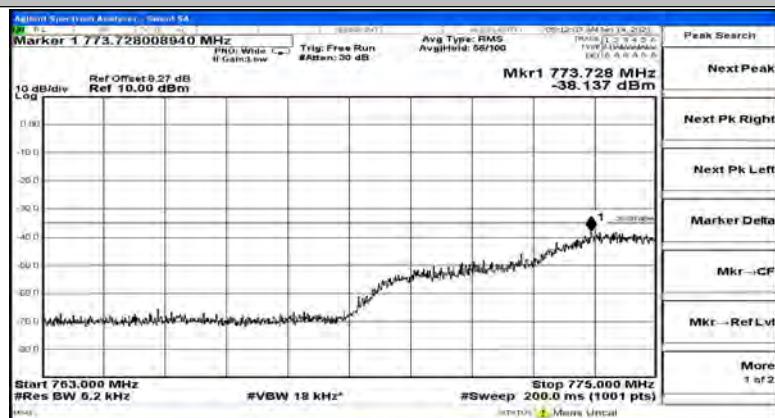
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



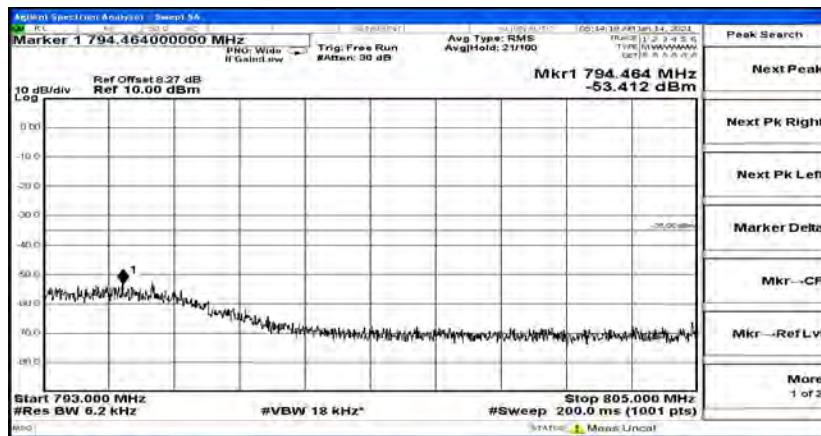
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



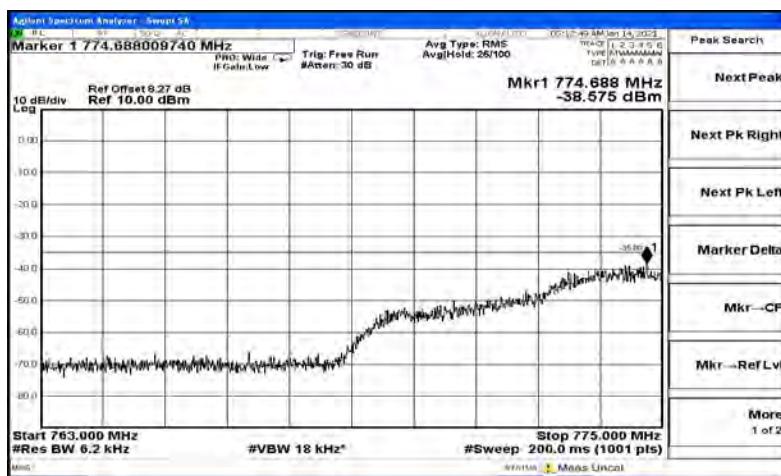
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



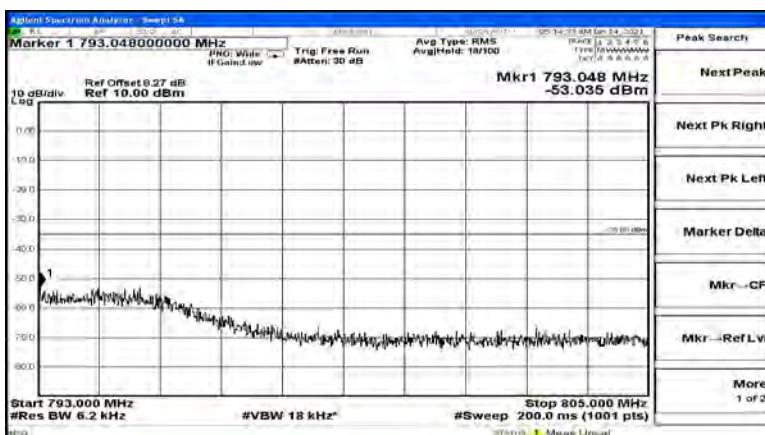
Band Edge Test Graph(s) (Channel Bandwidth:5 MHz)_HCH_QPSK



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



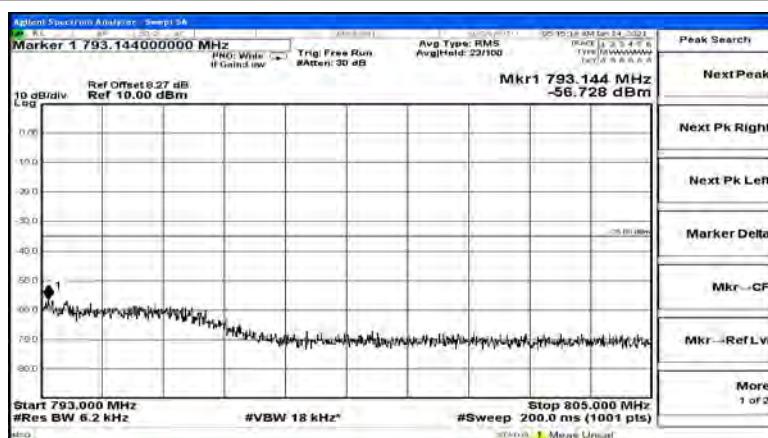
Band Edge Test Graph(s) (Channel Bandwidth:5 MHz)_HCH_16QAM



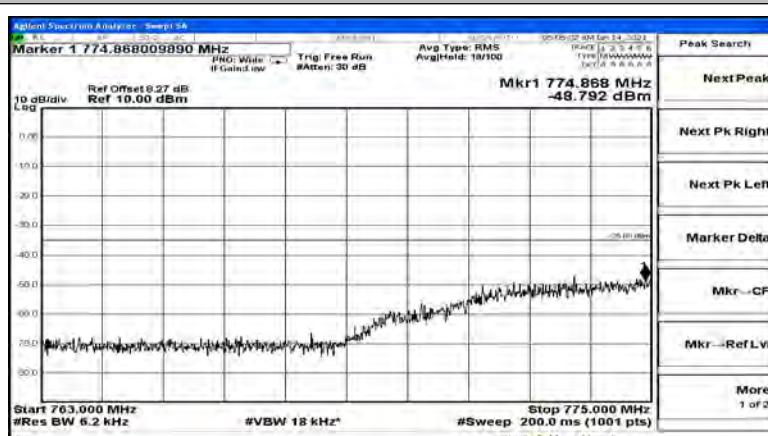
Band Edge Test Graph(s) (Channel Bandwidth:10 MHz)_QPSK

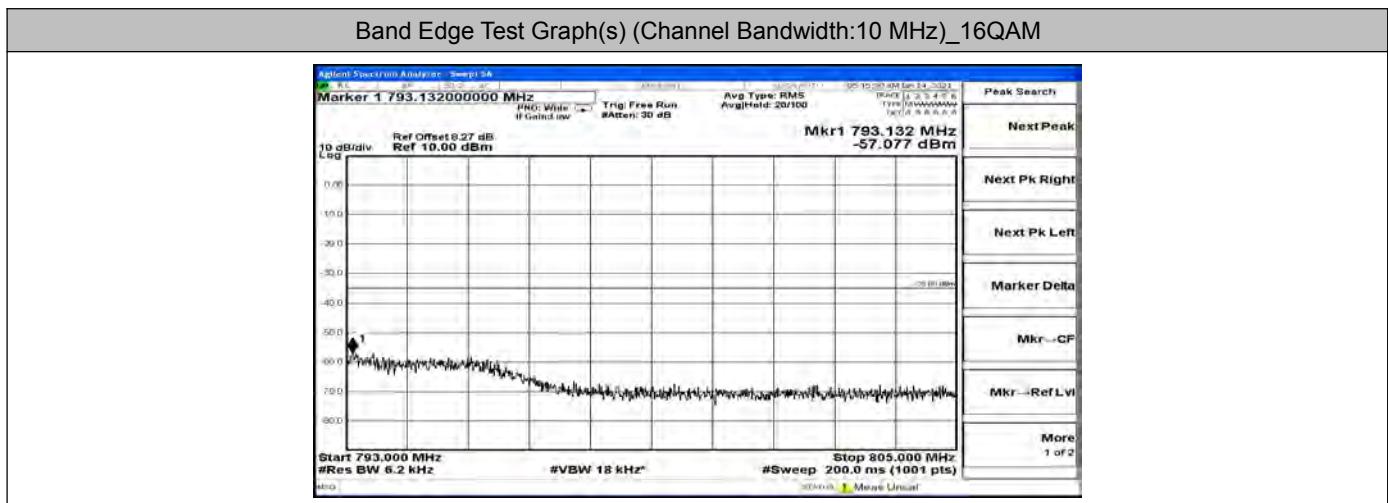


Band Edge Test Graph(s) (Channel Bandwidth:10 MHz)_QPSK



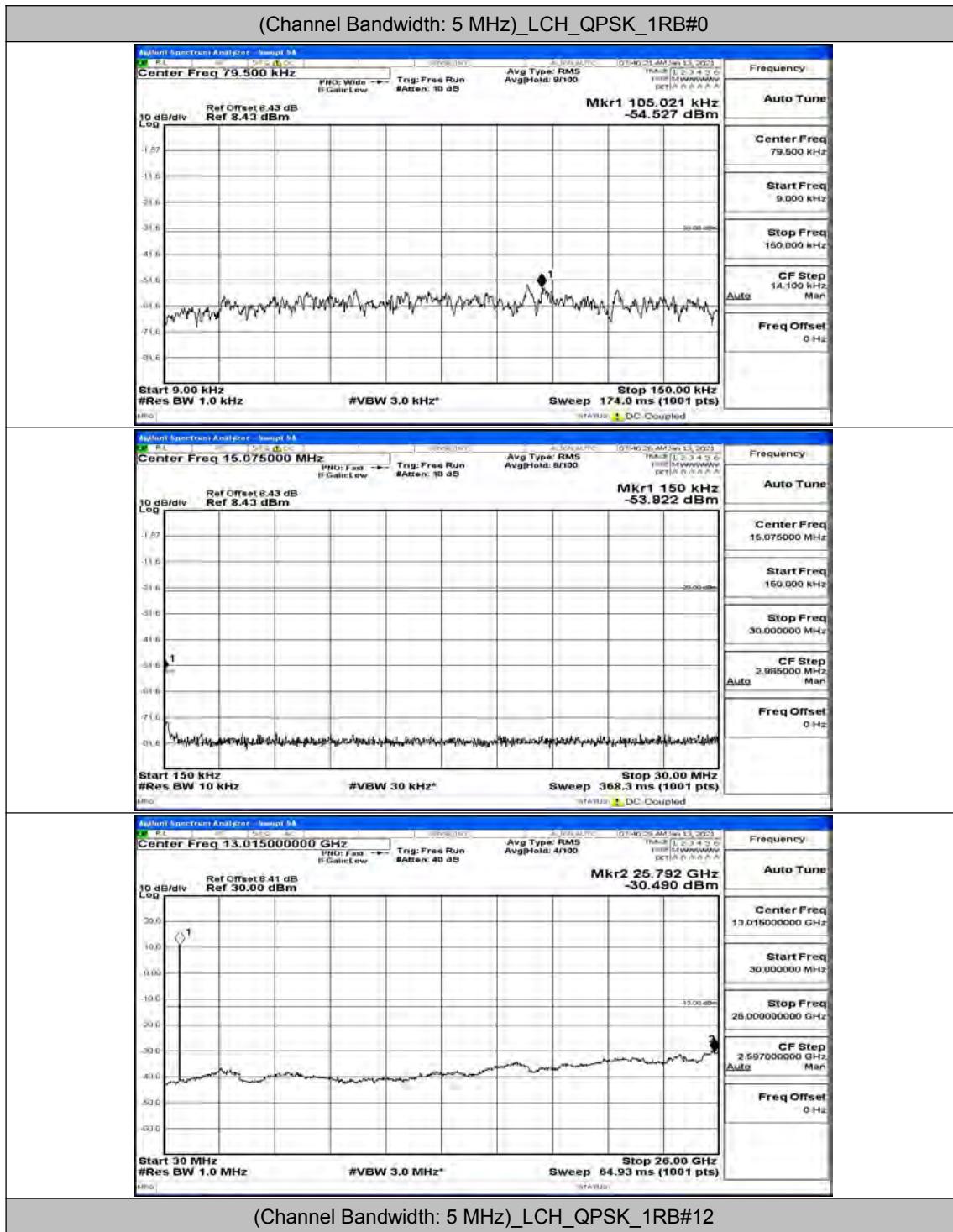
Band Edge Test Graph(s) (Channel Bandwidth:10 MHz)_16QAM

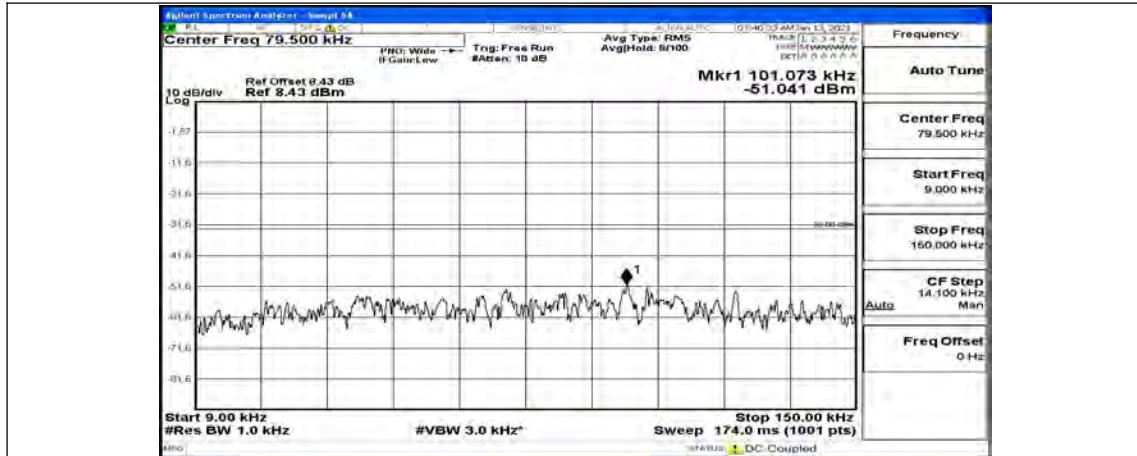


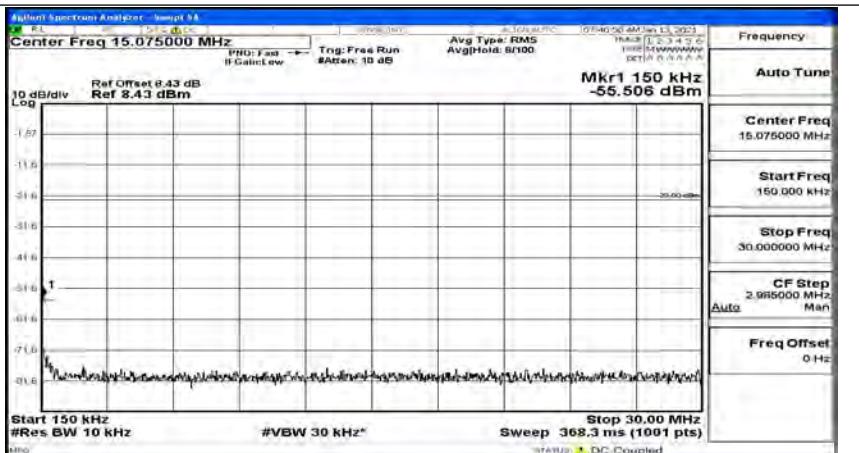


H.5 Conducted Spurious Emission

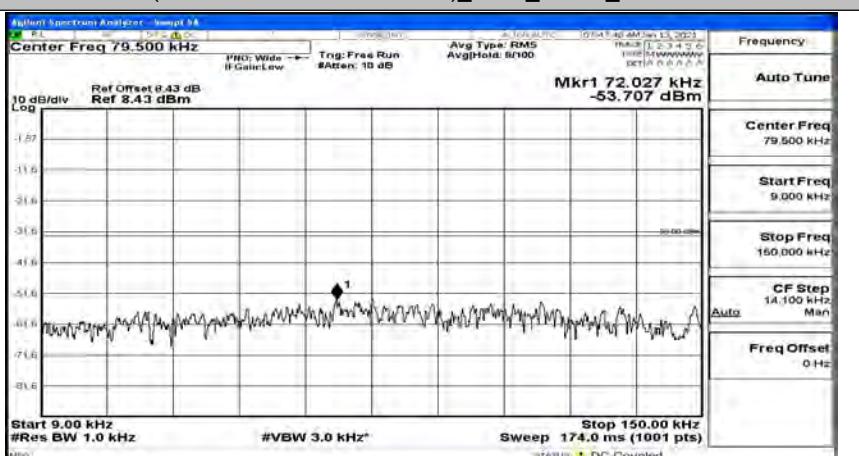
Channel Bandwidth: 5 MHz

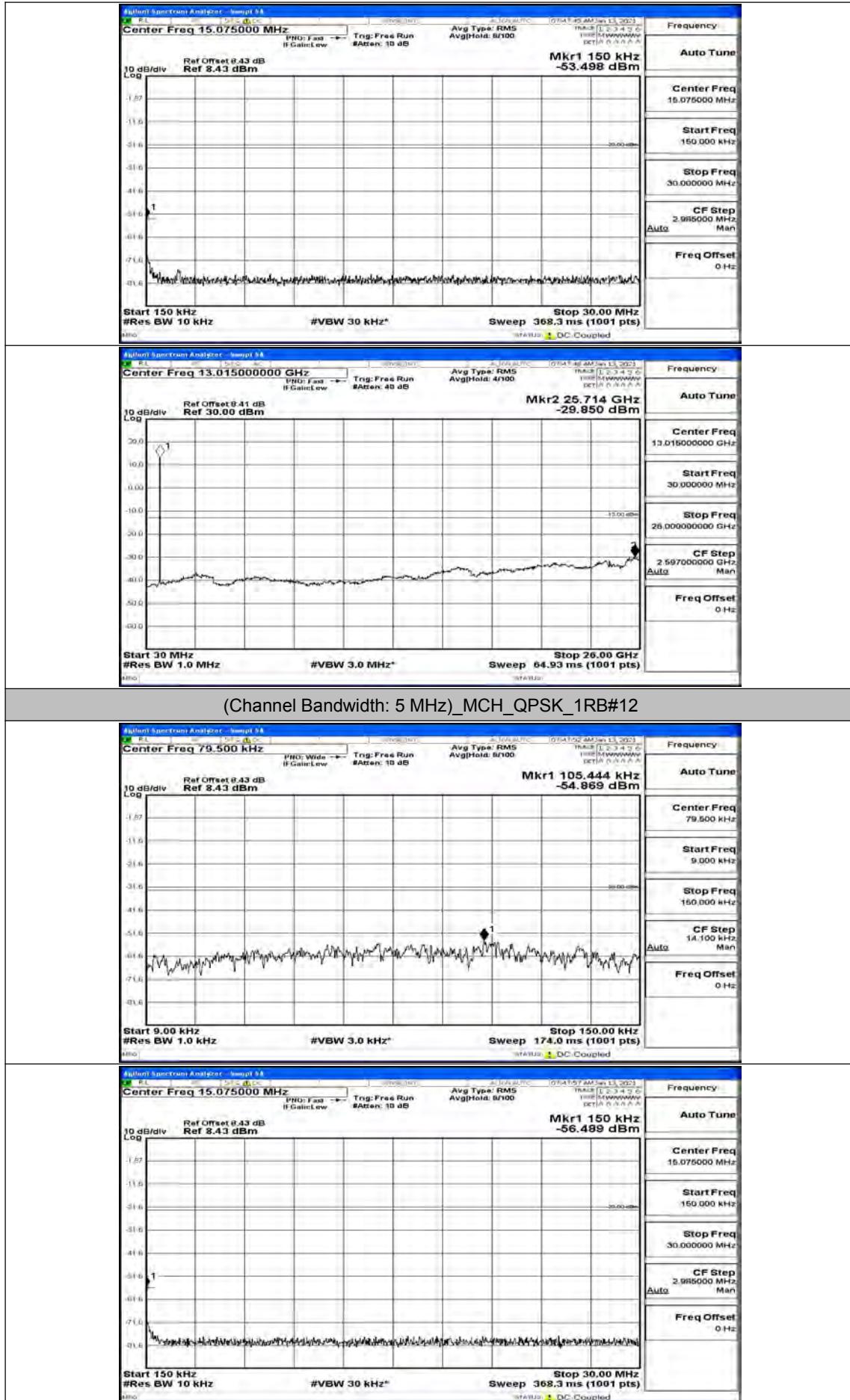


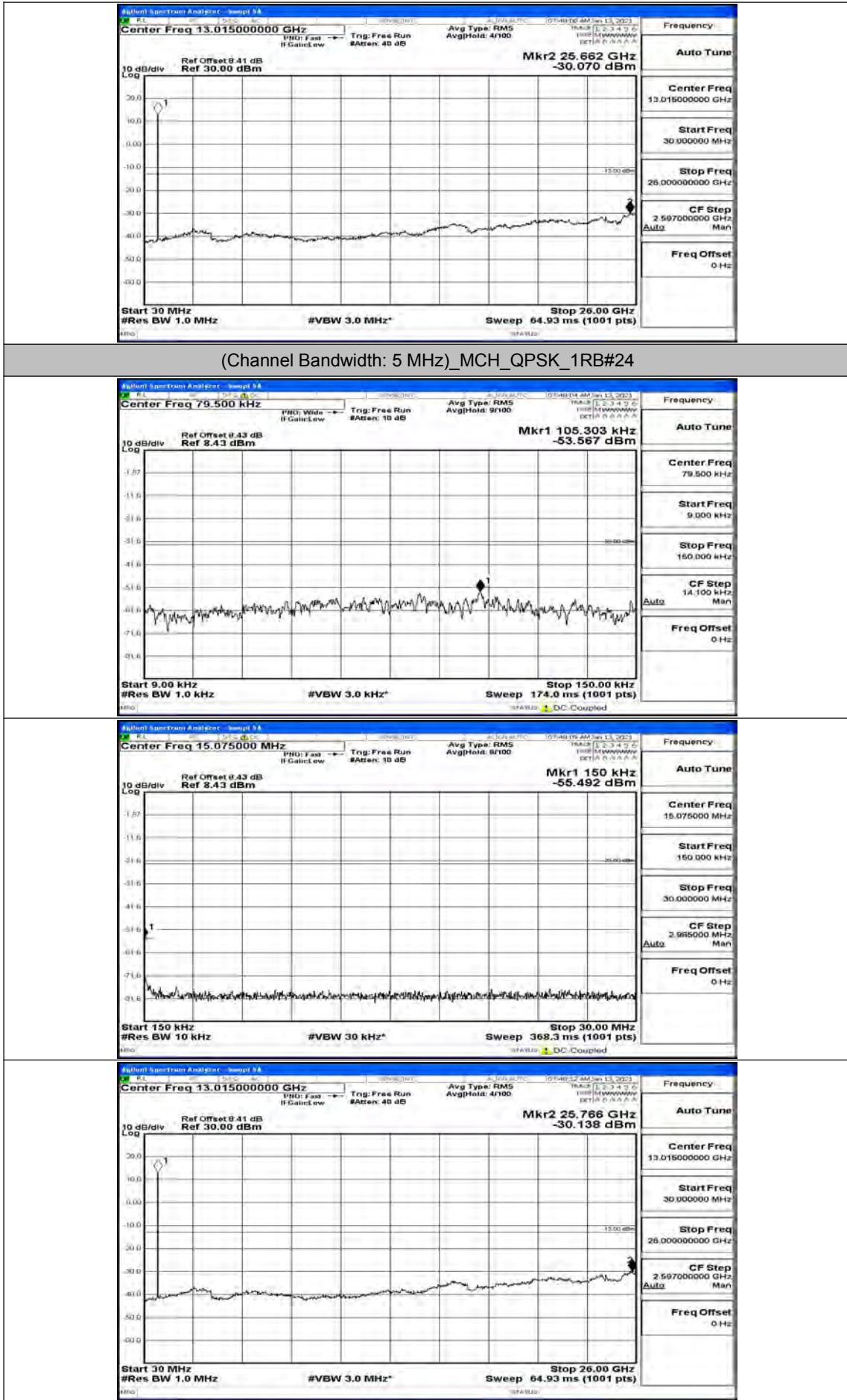




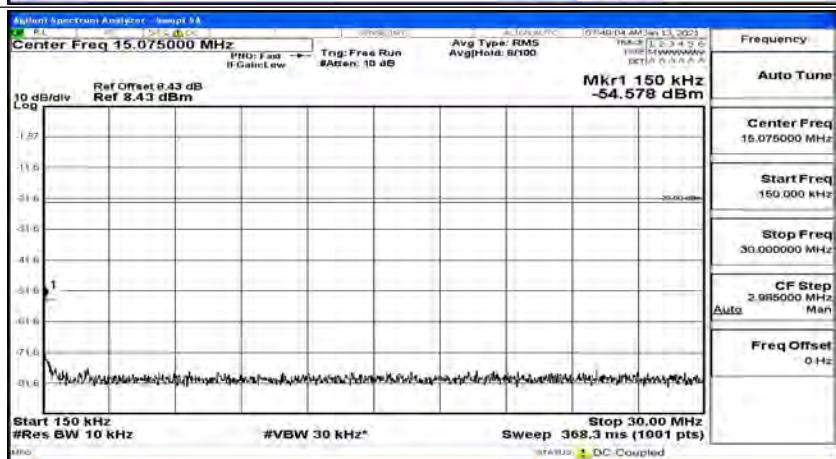
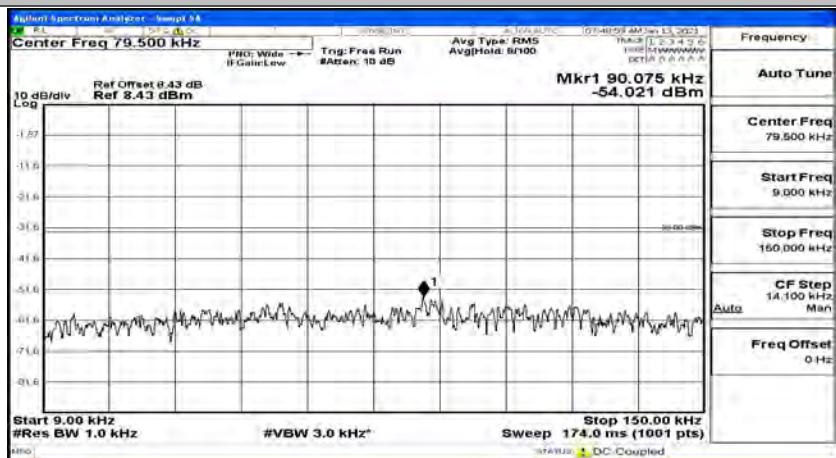
(Channel Bandwidth: 5 MHz) MCH QPSK 1RB#0



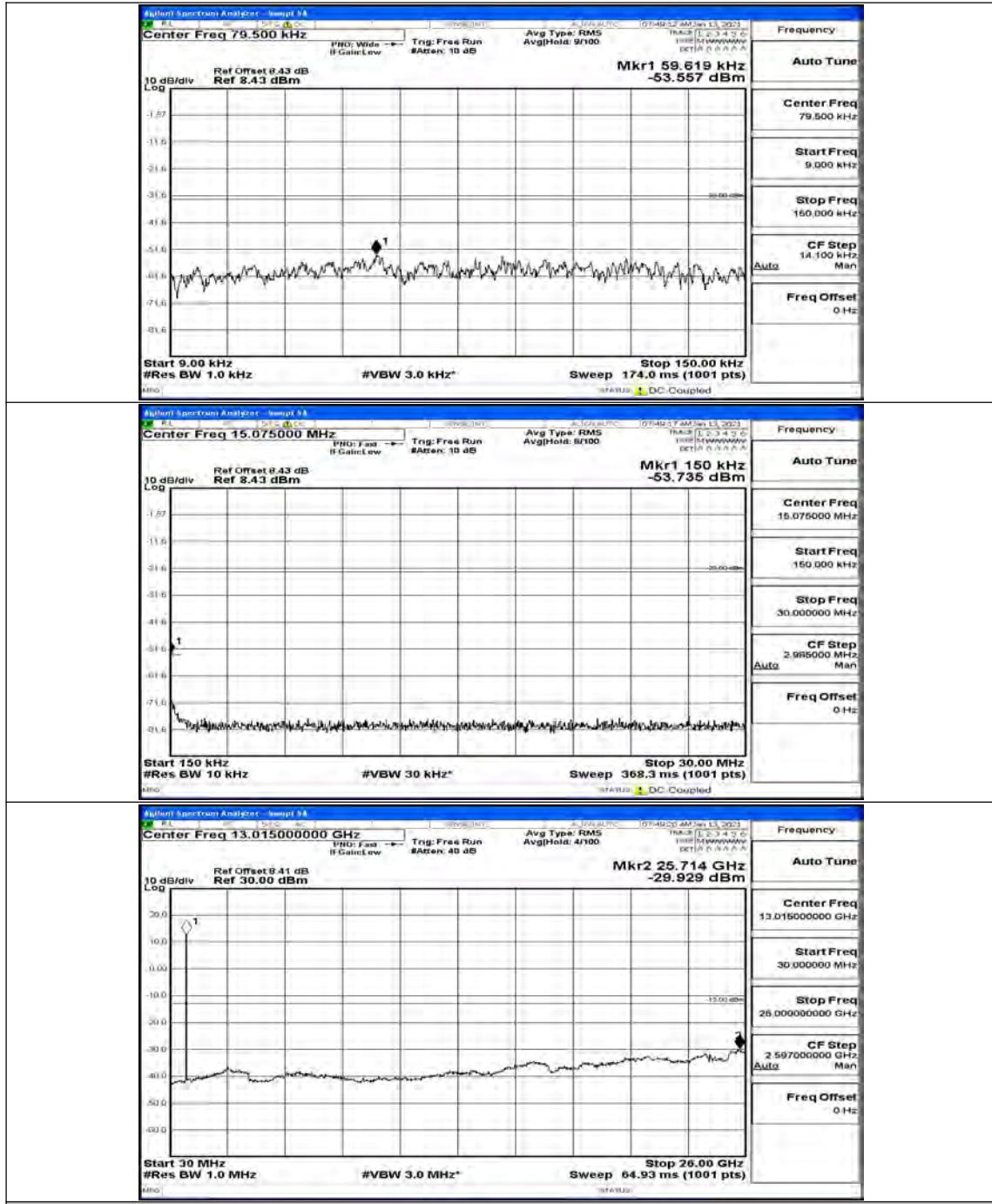




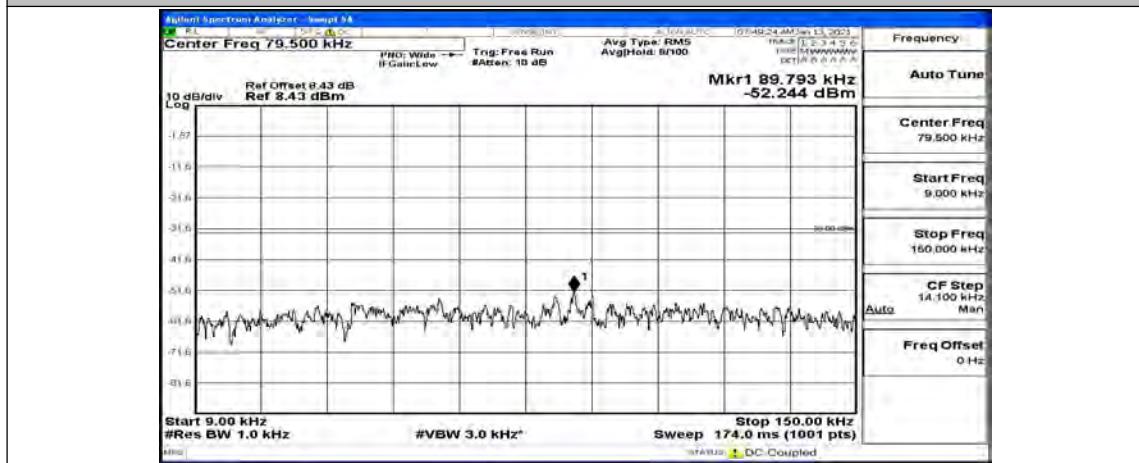
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

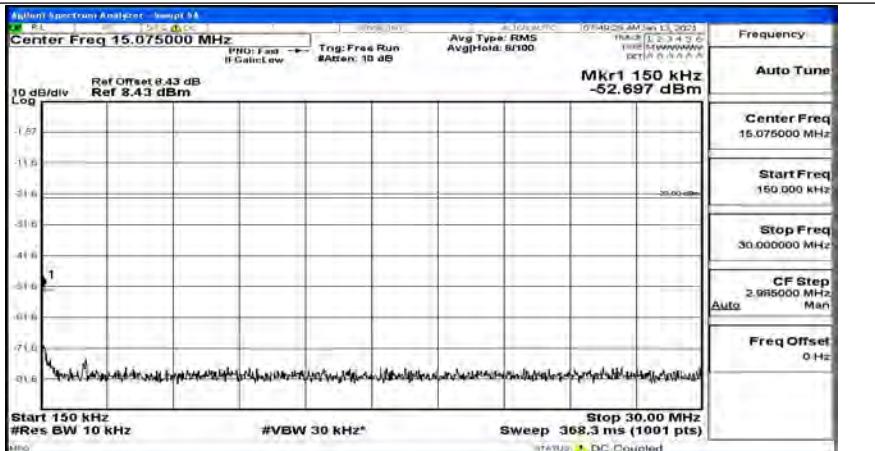


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

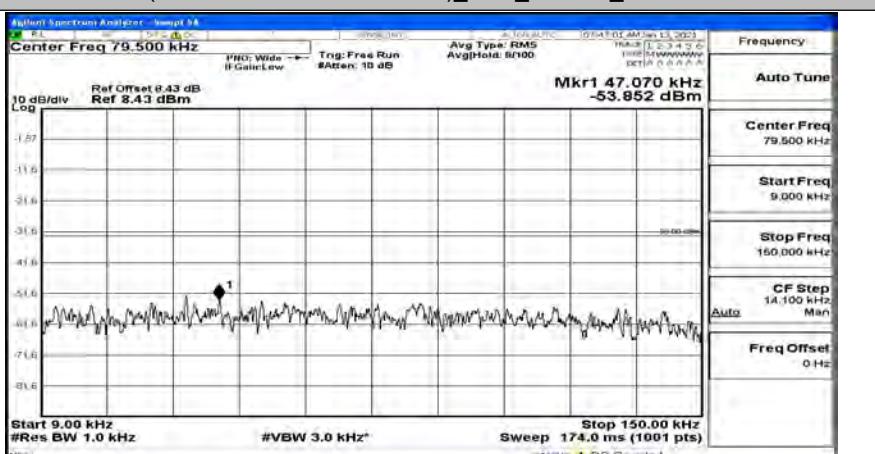


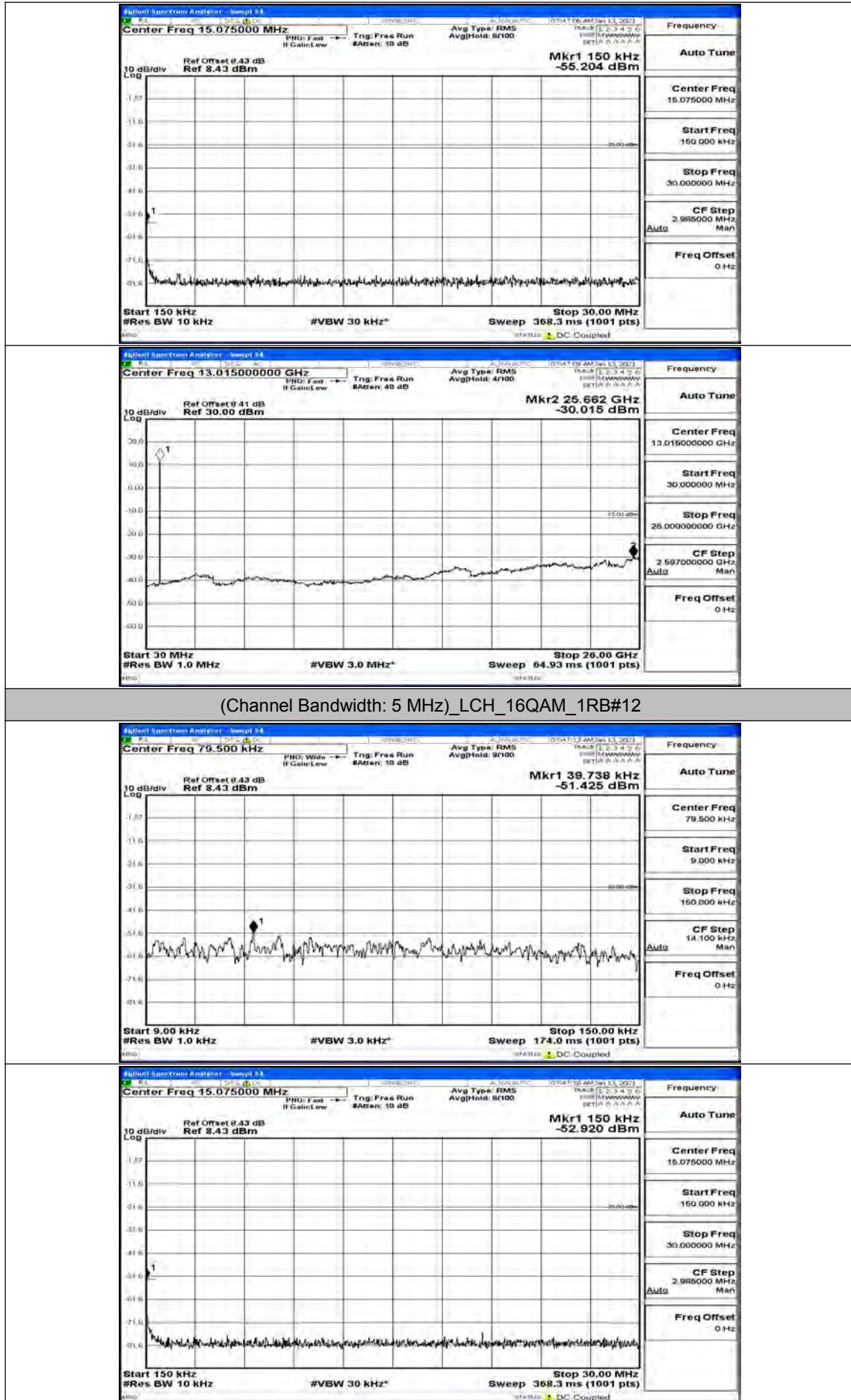
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

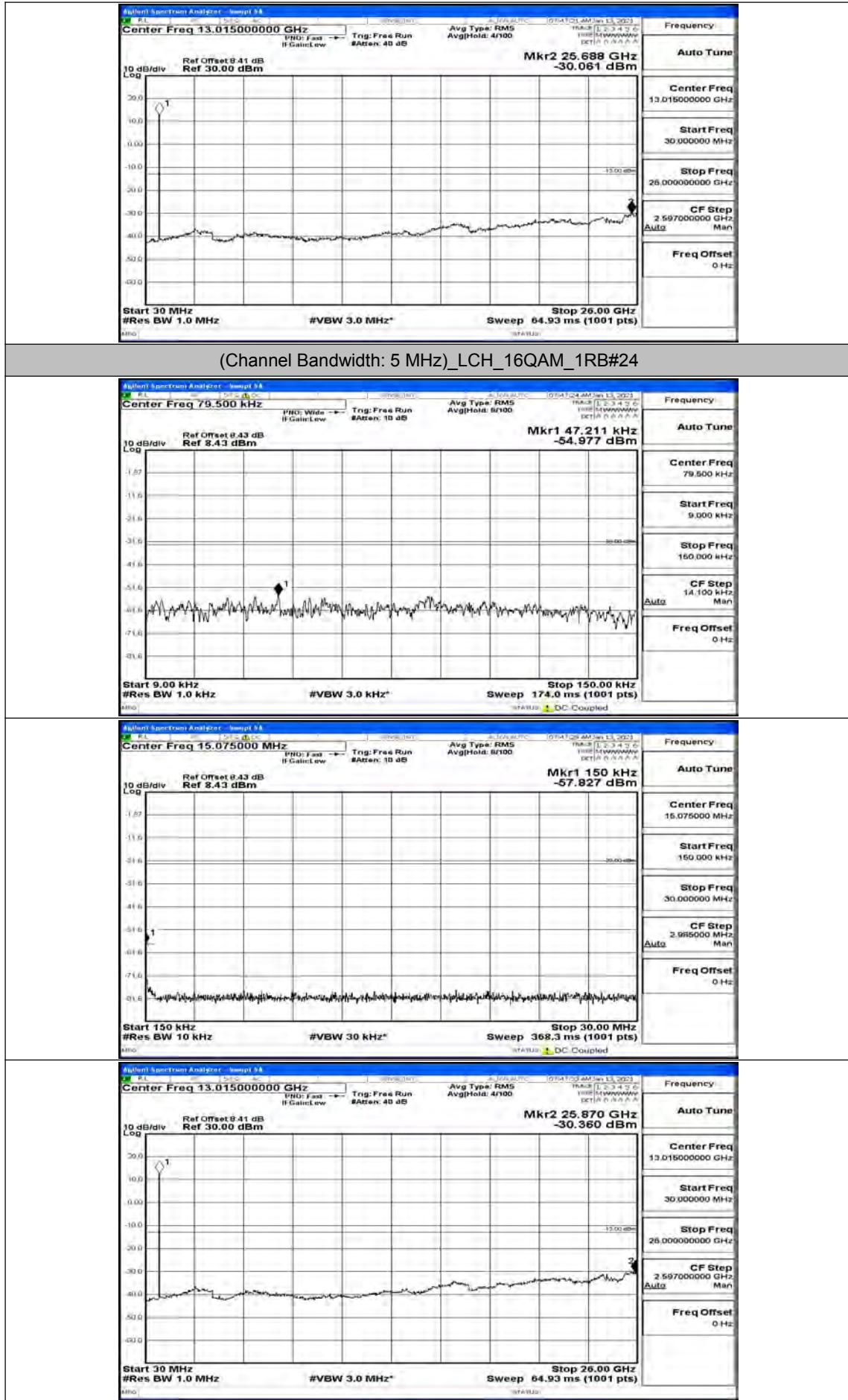




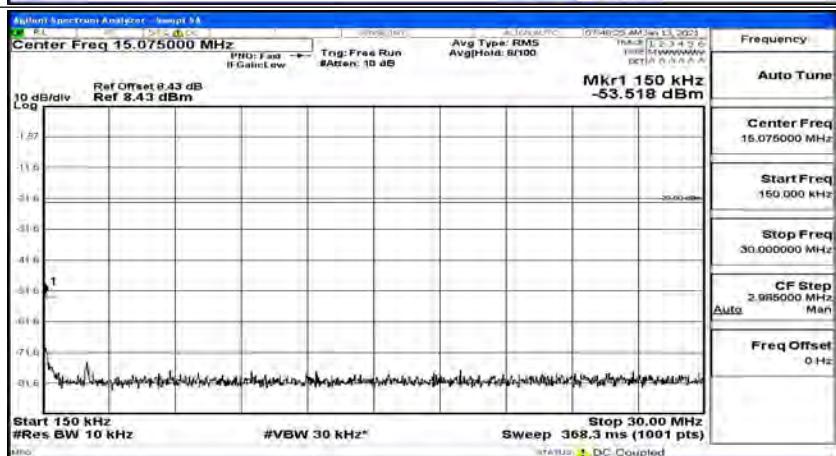
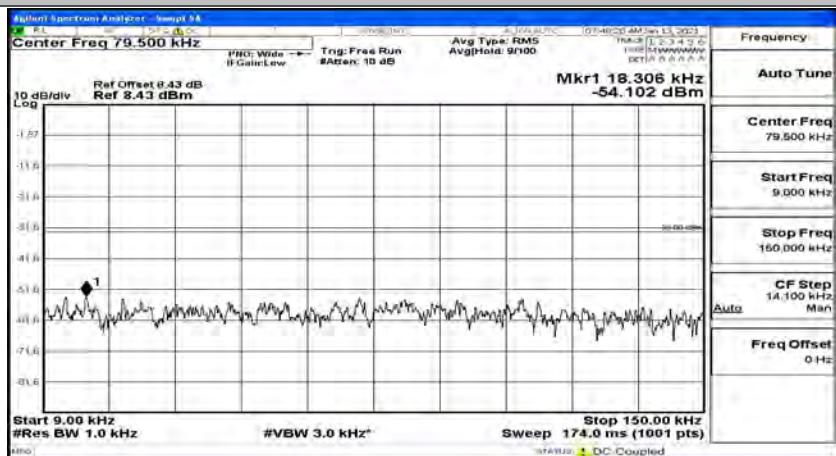
(Channel Bandwidth: 5 MHz) LCH 16QAM 1RB#0



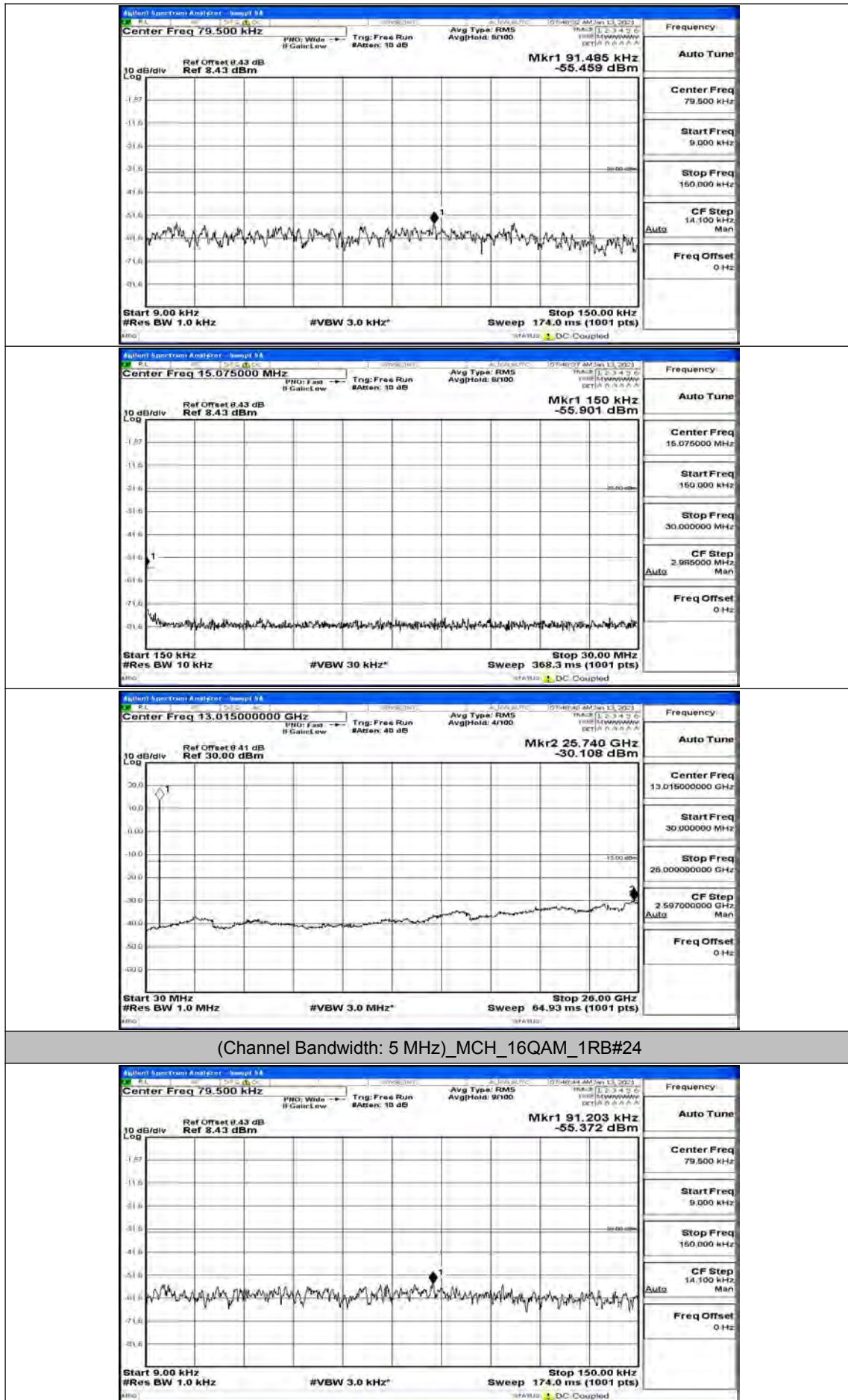


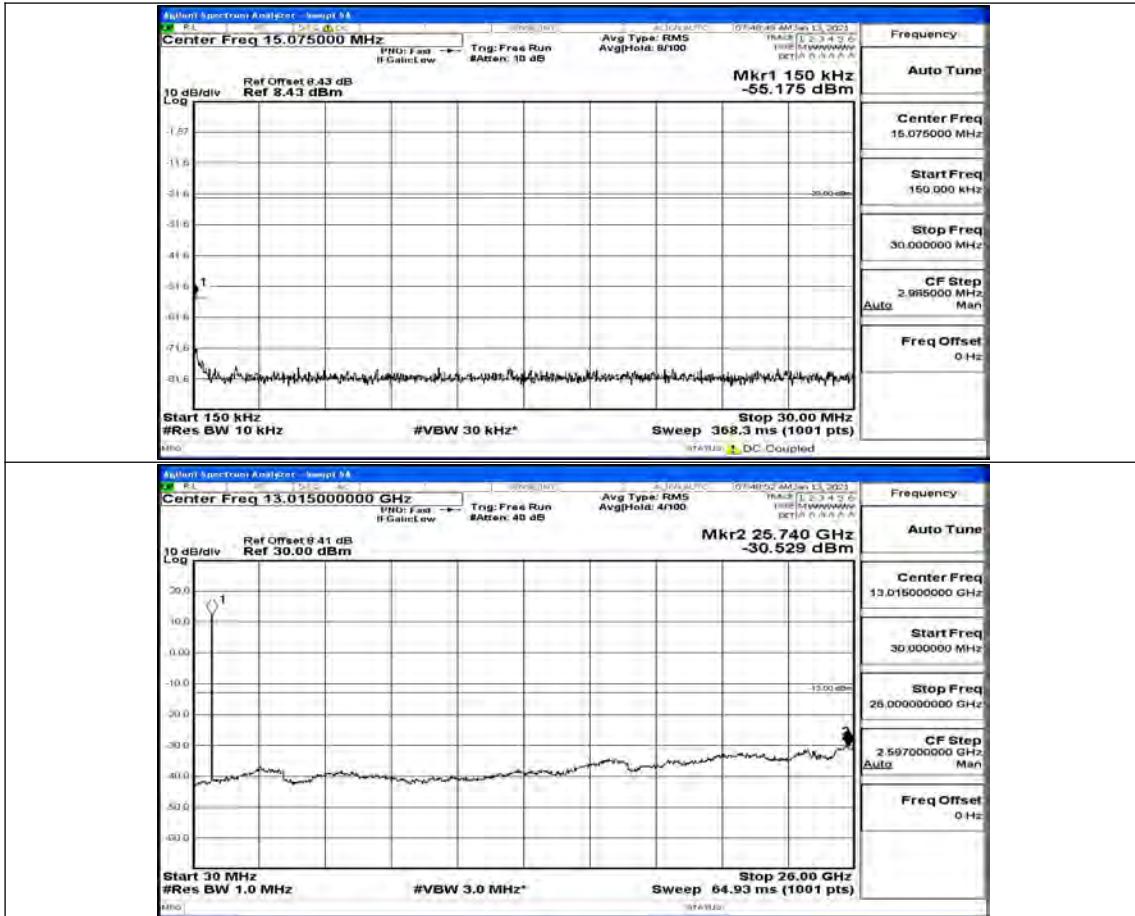


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

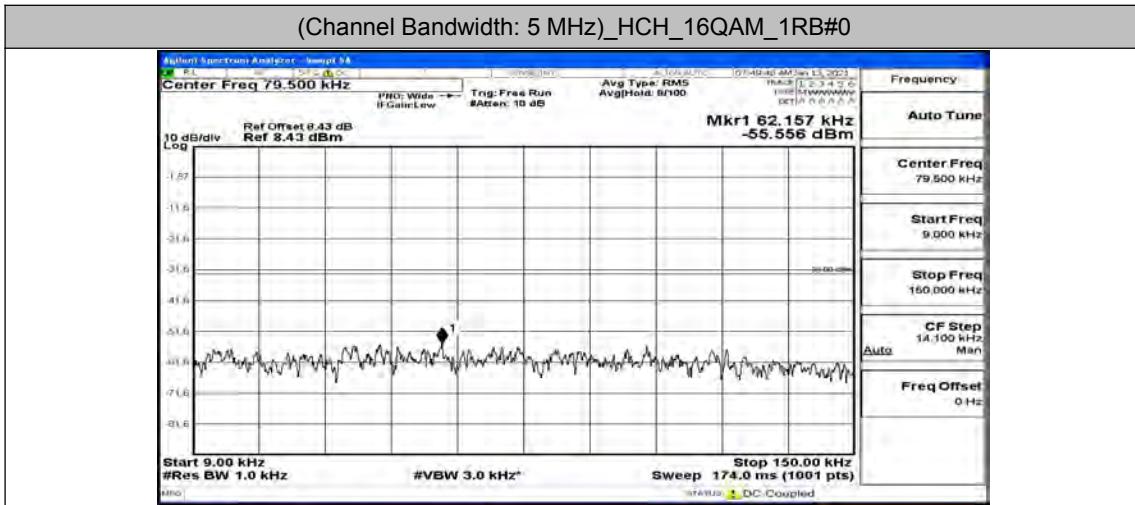


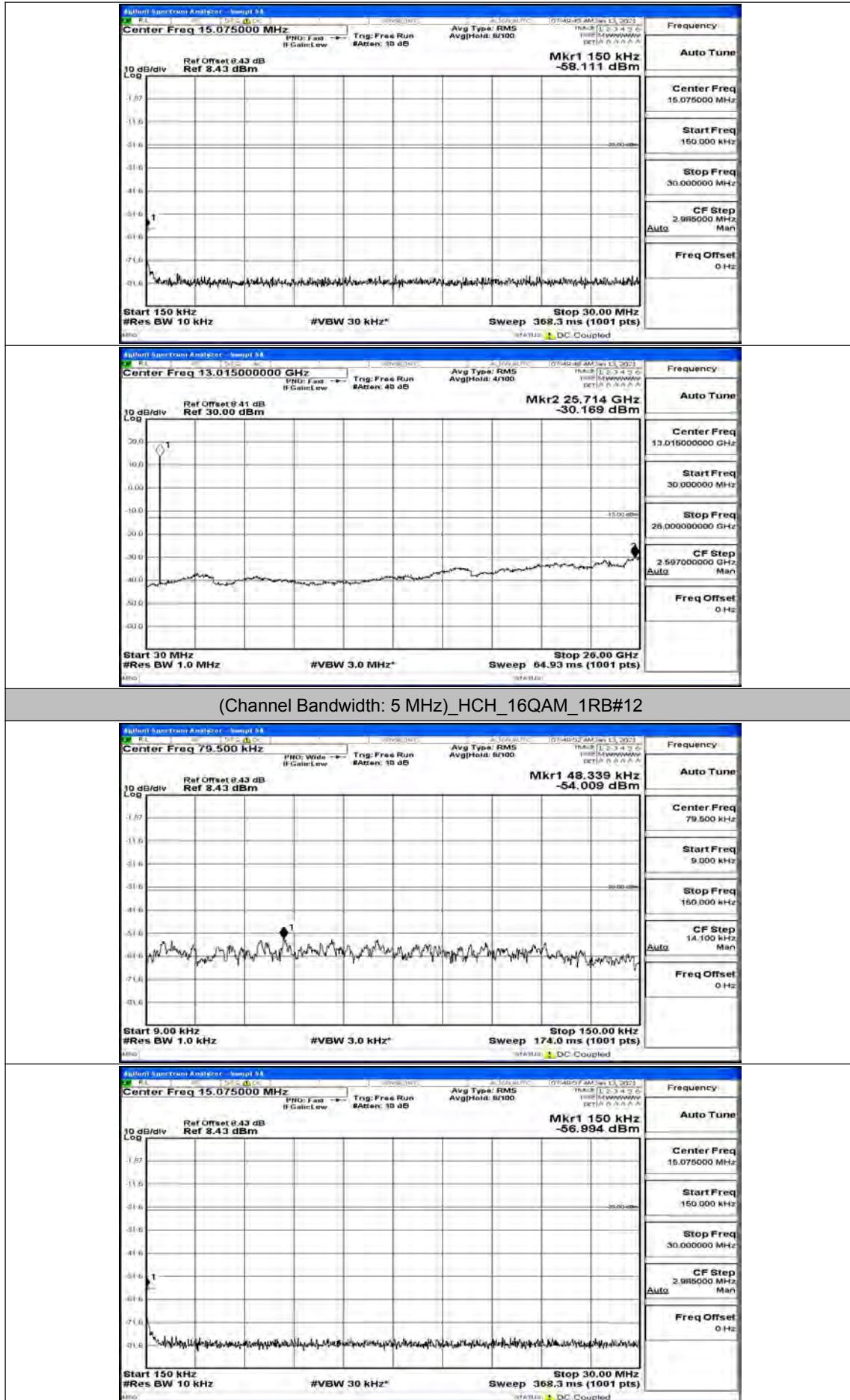
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

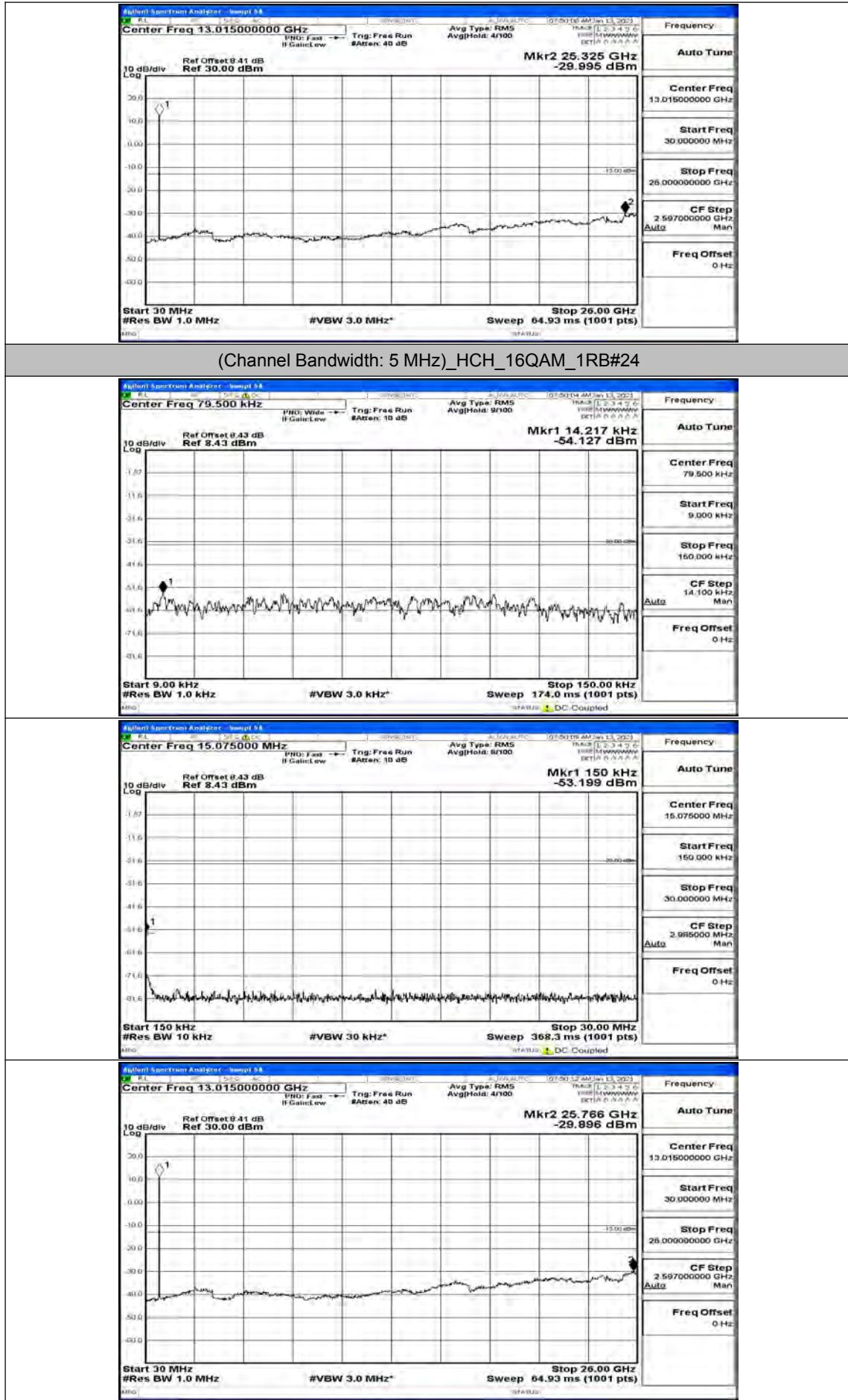




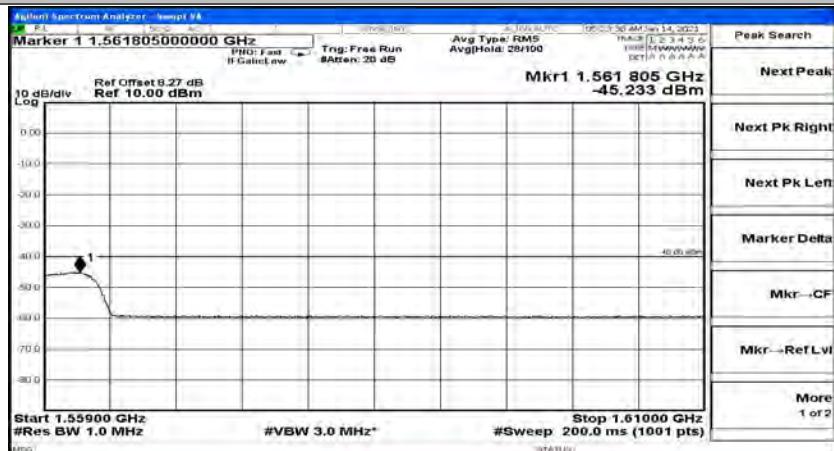
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



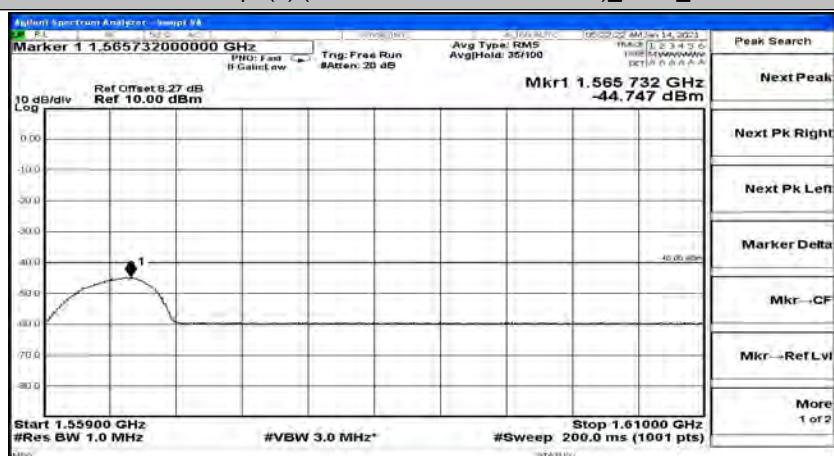




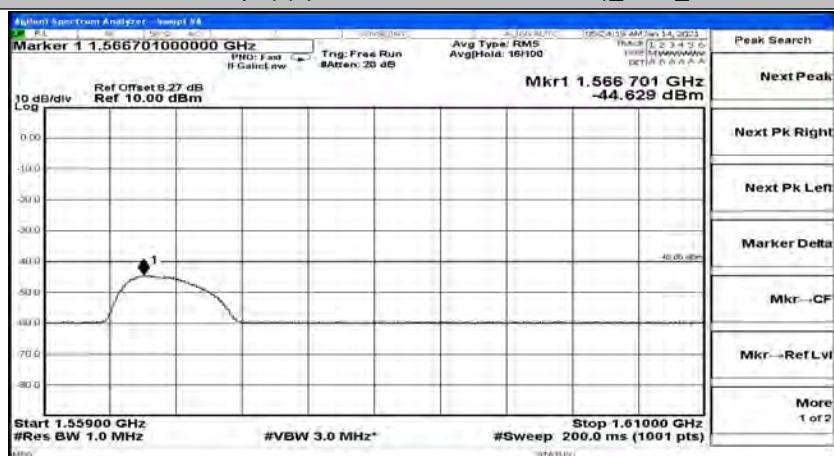
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



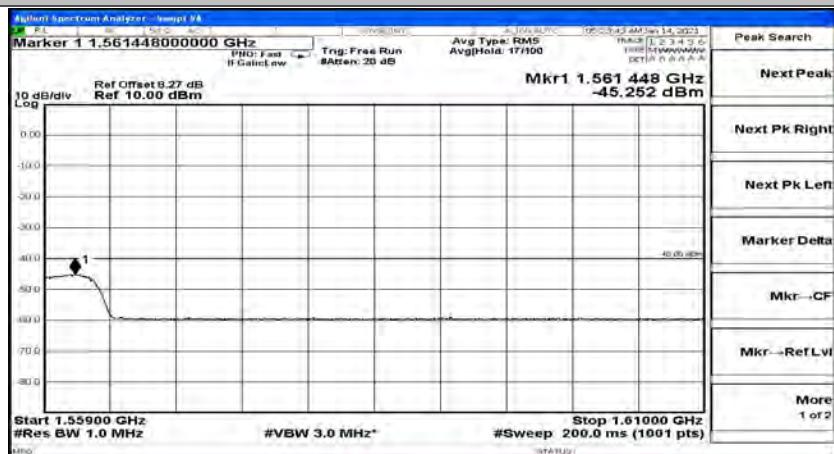
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



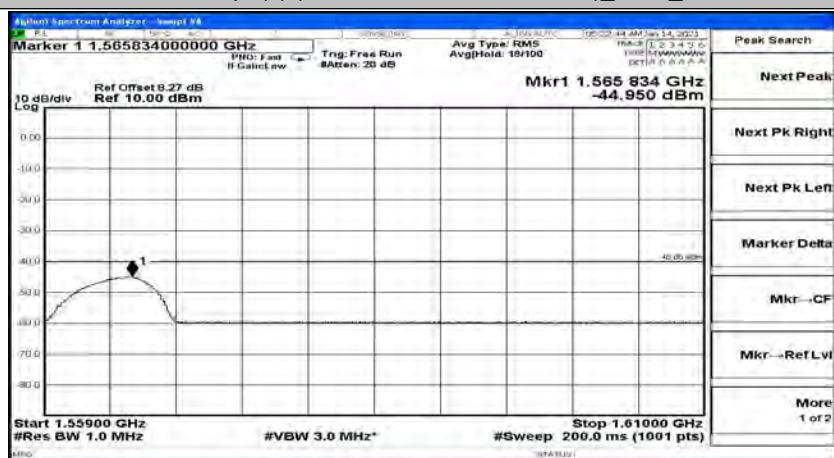
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



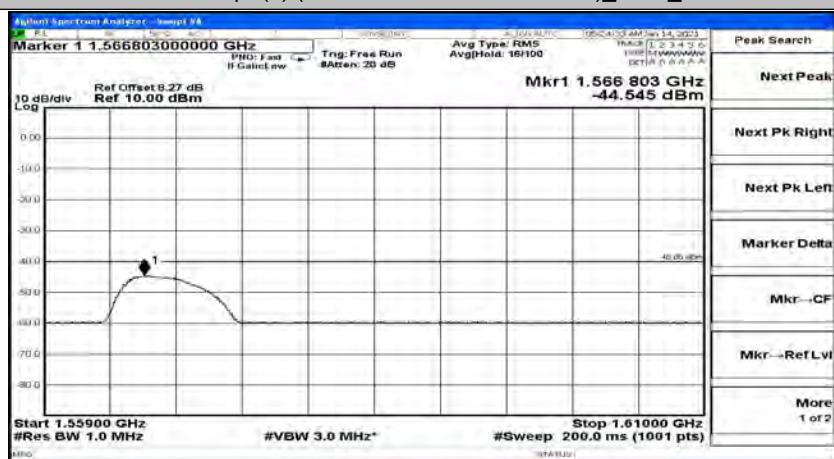
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



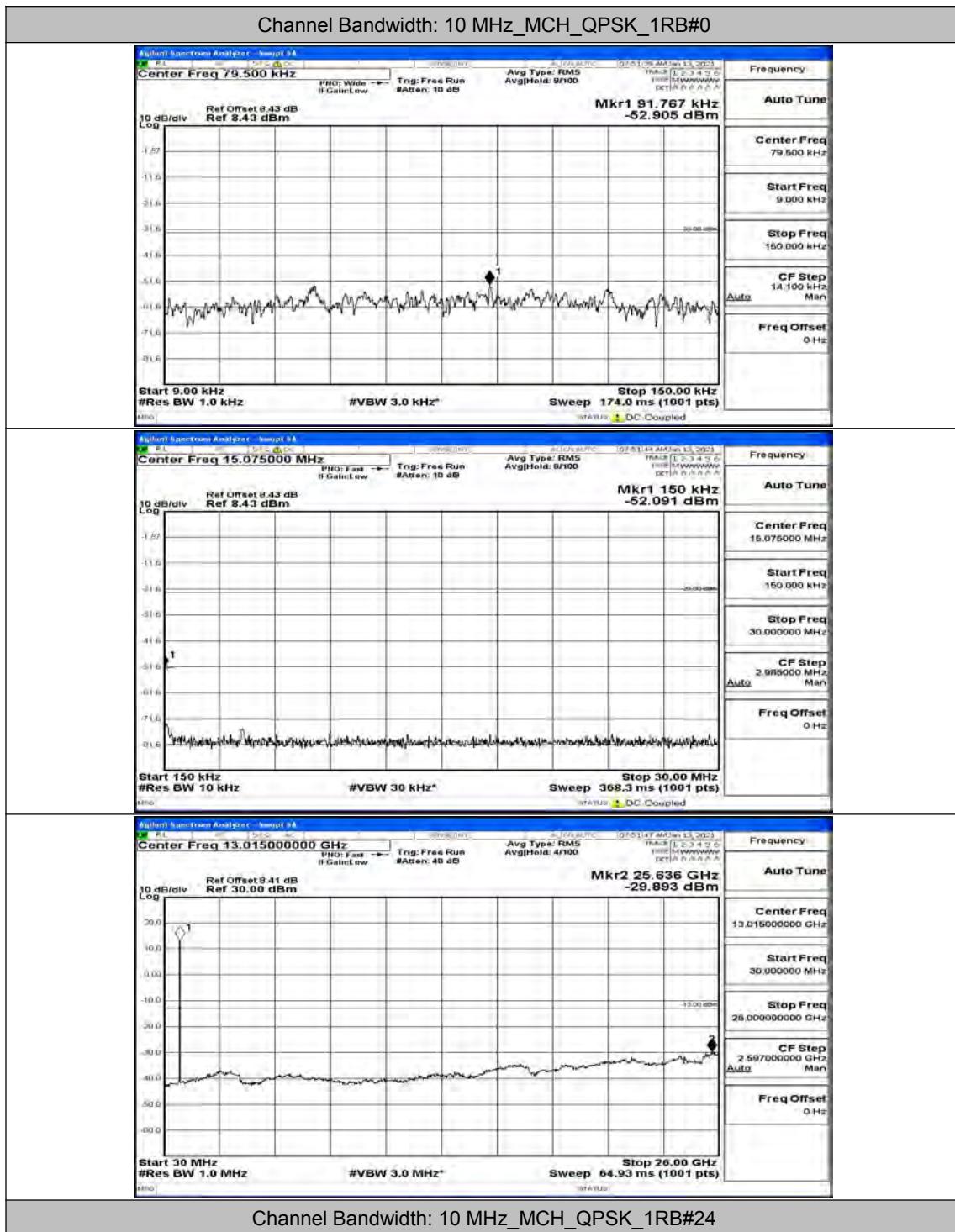
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM

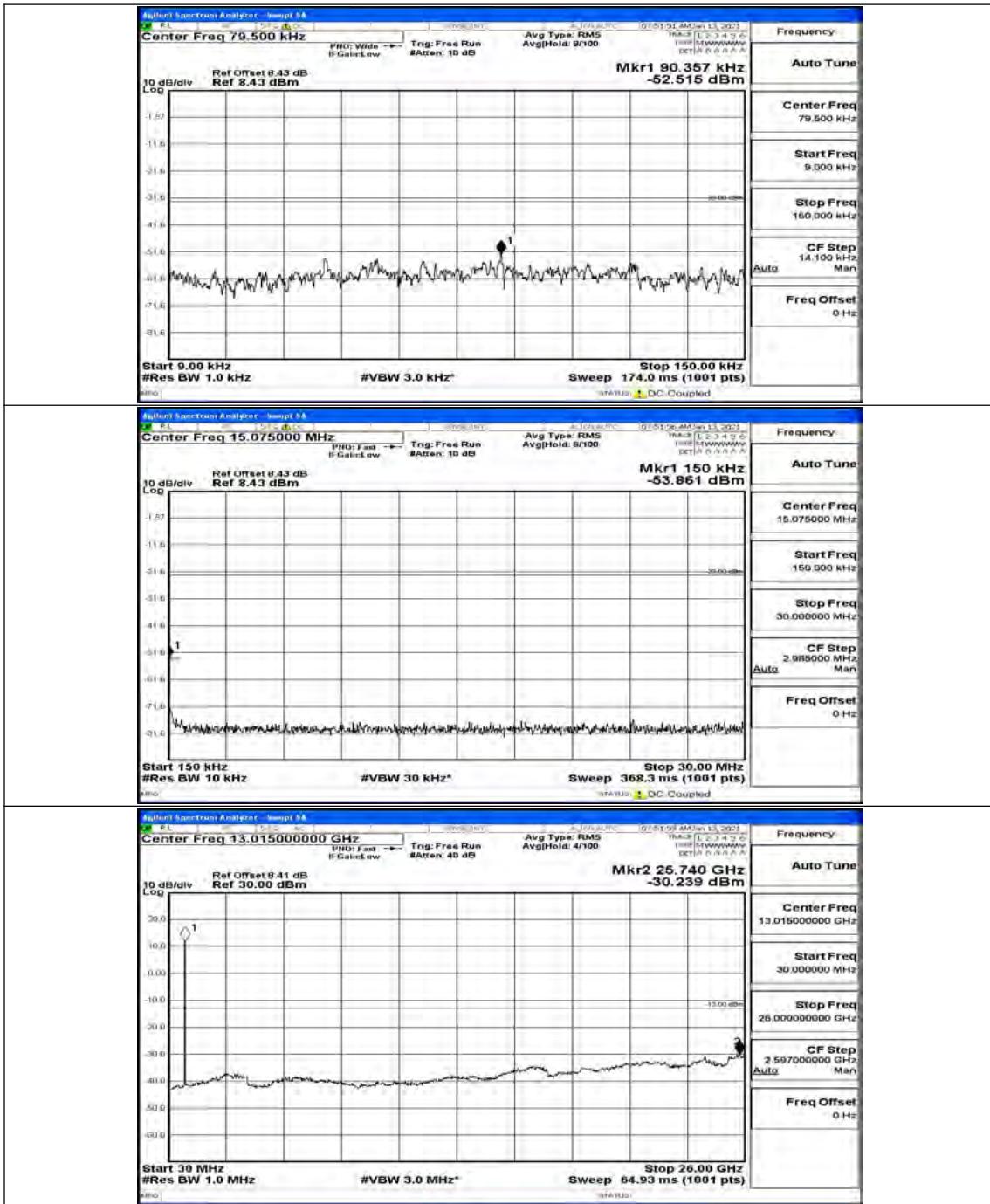


CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



Channel Bandwidth: 10 MHz





Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

