

Appendix G Test Data for E-UTRA Band 13

Product Name: BluePad-55 v2

Trade Mark:N/A

Test Model: BluePad-55 v2

Environmental Conditions

Temperature:	24.3° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

G.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	23.79	23.63	PASS
		1	12	23.96	23.20	PASS
		1	24	24.34	23.05	PASS
		12	0	23.11	22.25	PASS
		12	6	23.11	22.26	PASS
		12	13	23.15	22.21	PASS
		25	0	23.14	22.13	PASS
	MCH	1	0	24.09	22.43	PASS
		1	12	24.71	22.91	PASS
		1	24	24.47	22.53	PASS
		12	0	23.05	22.10	PASS
		12	6	23.40	22.42	PASS
		12	13	23.38	22.44	PASS
		25	0	23.19	22.23	PASS
	HCH	1	0	24.27	23.12	PASS
		1	12	24.84	23.27	PASS
		1	24	24.19	22.49	PASS
		12	0	23.35	22.41	PASS
		12	6	23.48	22.47	PASS
		12	13	23.25	22.33	PASS
		25	0	23.39	22.37	PASS

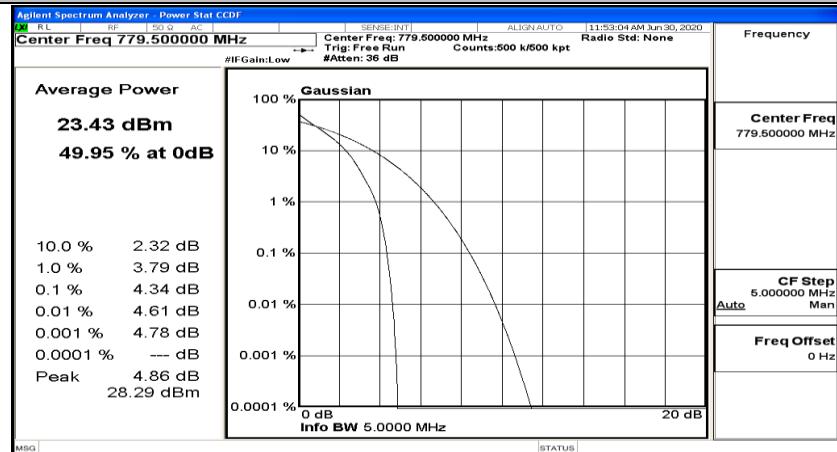
Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
MCH	1	0	23.68	23.26	PASS	
	1	24	24.49	24.21	PASS	
	1	49	24.46	23.87	PASS	
	25	0	23.14	22.10	PASS	
	25	12	23.37	22.33	PASS	
	25	25	23.36	22.30	PASS	
	50	0	23.30	22.35	PASS	

G.2 Peak-to-Average Ratio

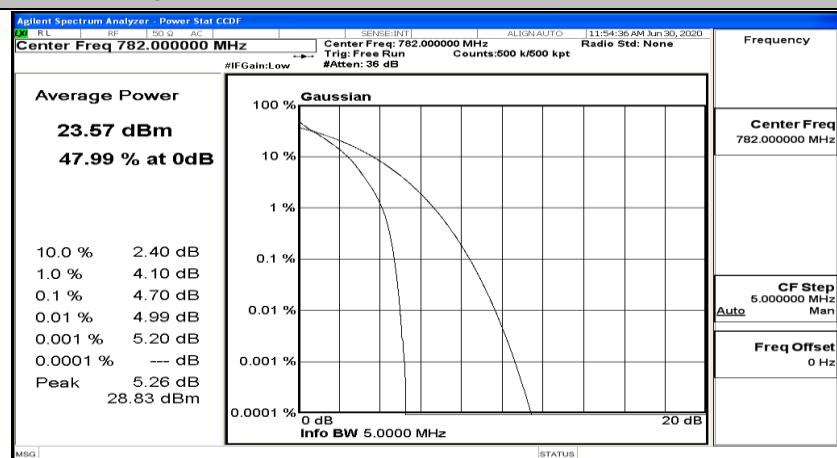
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.34	<13	PASS
	MCH	4.7	<13	PASS
	HCH	4.64	<13	PASS
16QAM	LCH	5.23	<13	PASS
	MCH	5.55	<13	PASS
	HCH	5.63	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	MCH	4.59	<13	PASS
16QAM	MCH	5.49	<13	PASS

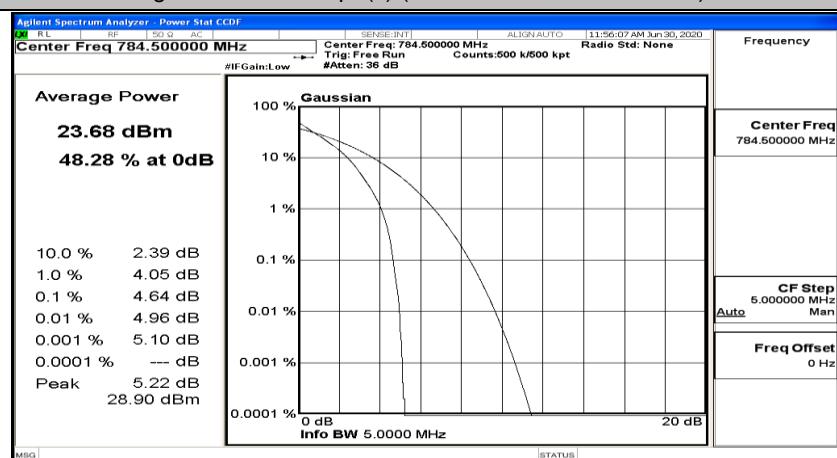
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



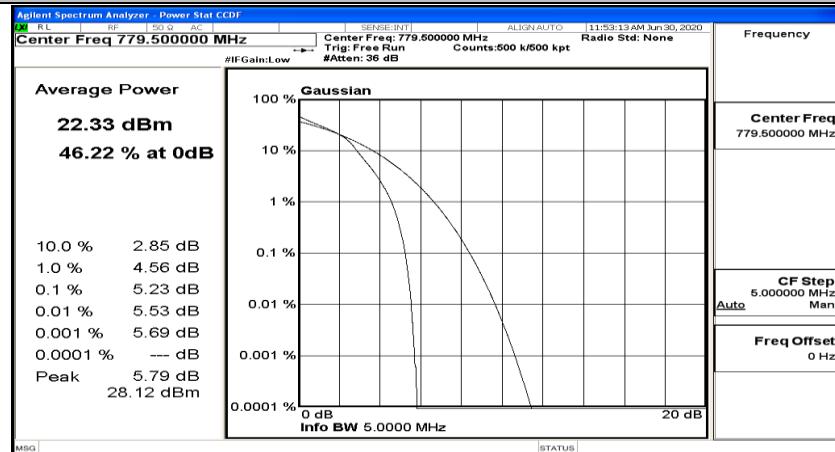
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



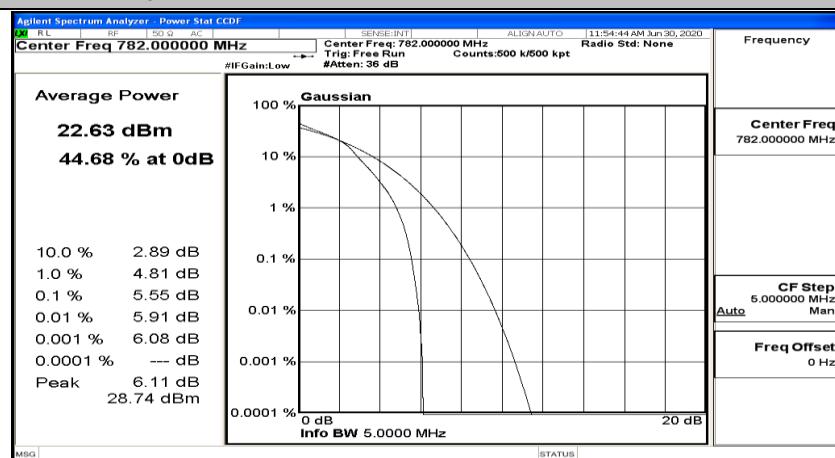
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



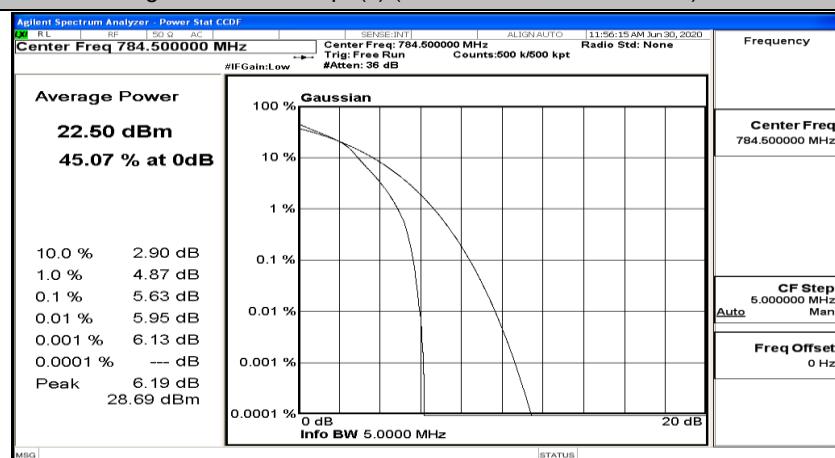
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



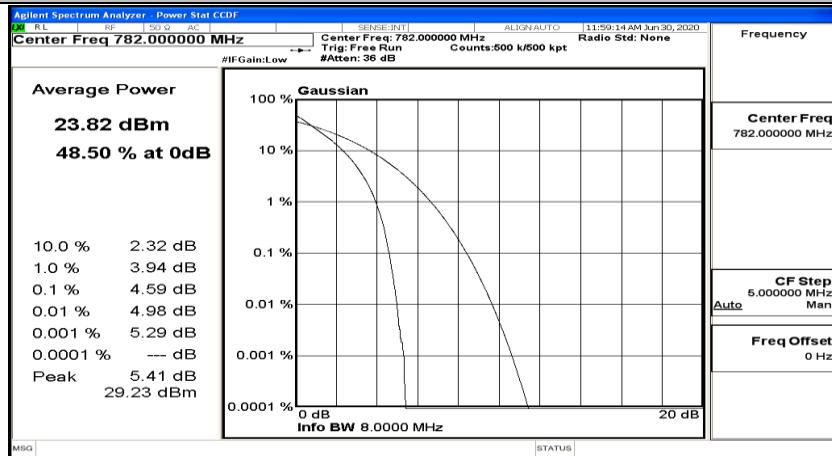
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



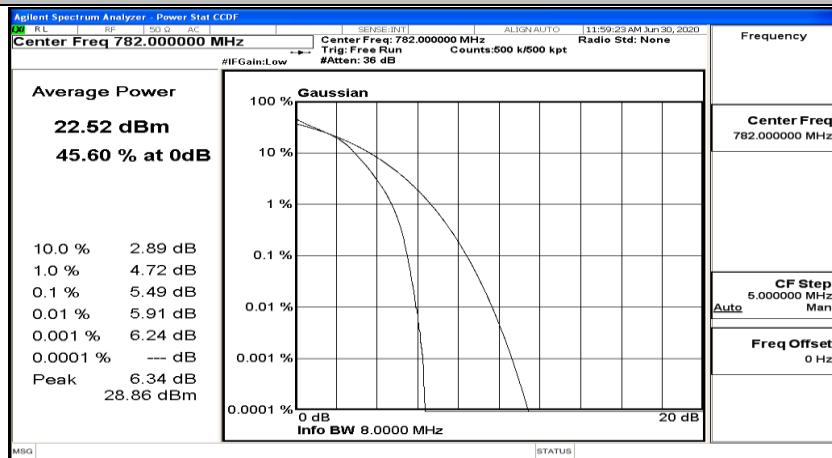
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



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



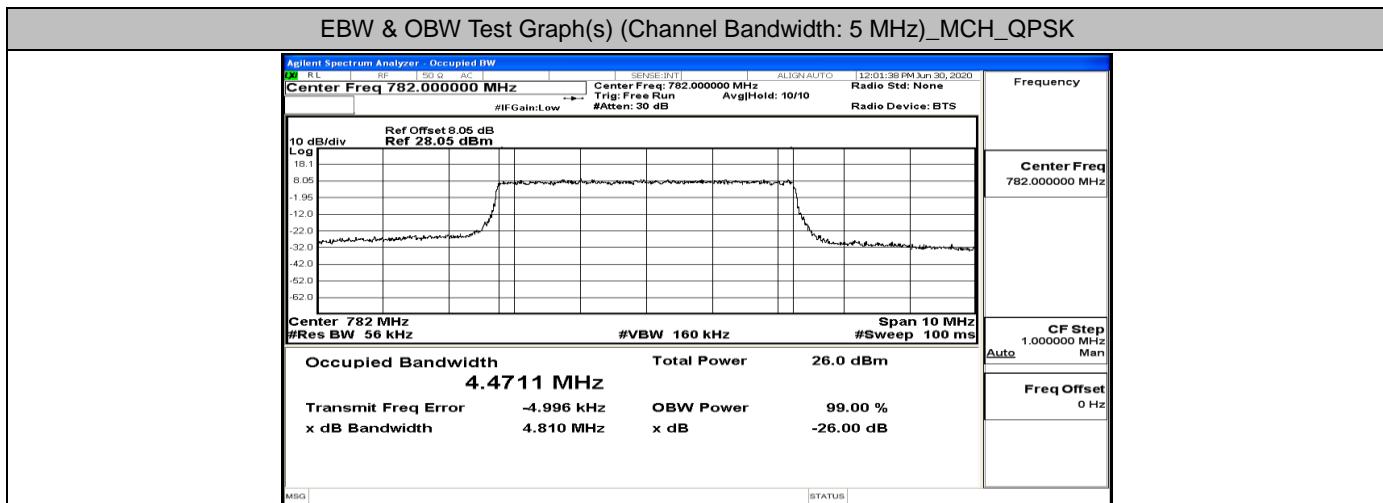
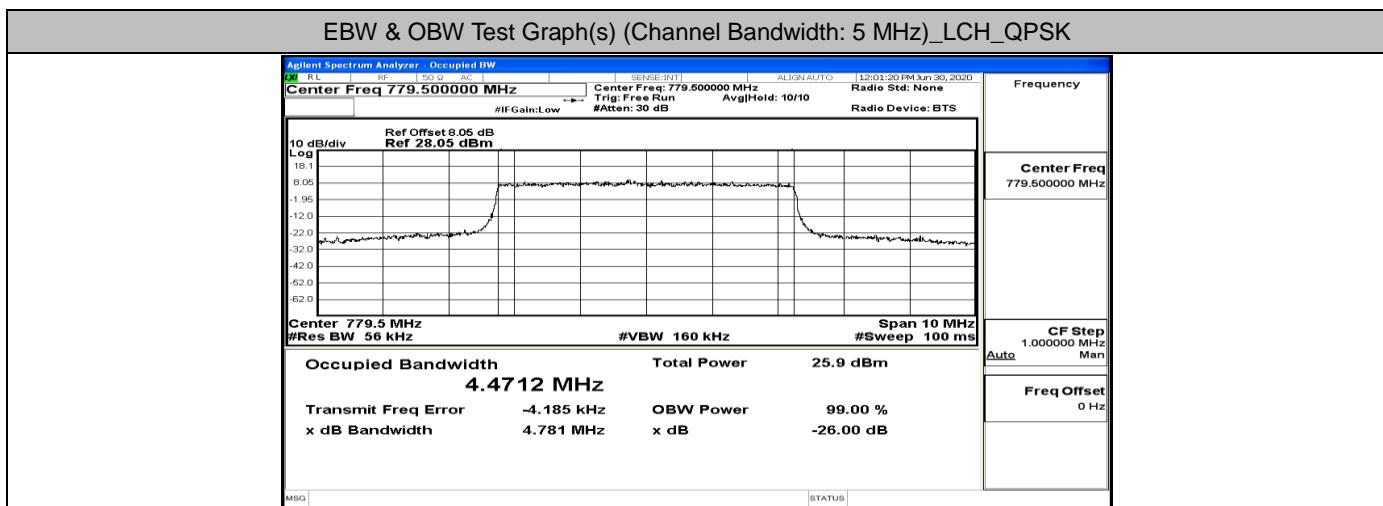
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



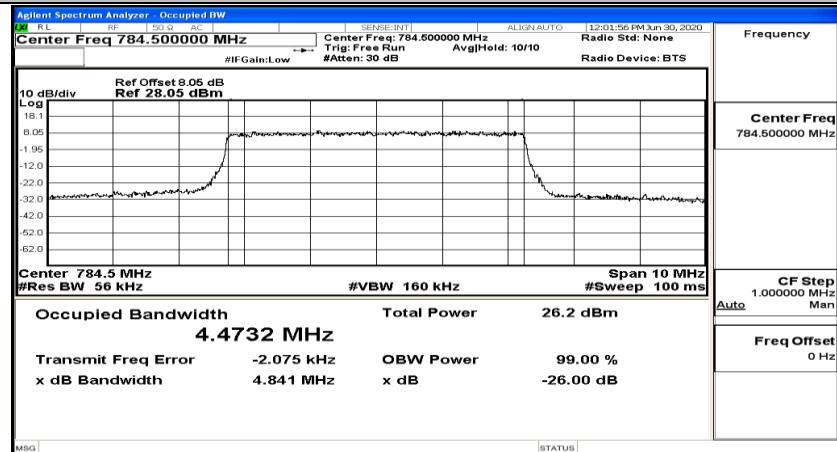
G.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4712	4.781	PASS
	MCH	4.4711	4.810	PASS
	HCH	4.4732	4.841	PASS
16QAM	LCH	4.4641	4.846	PASS
	MCH	4.4774	4.821	PASS
	HCH	4.4743	4.837	PASS

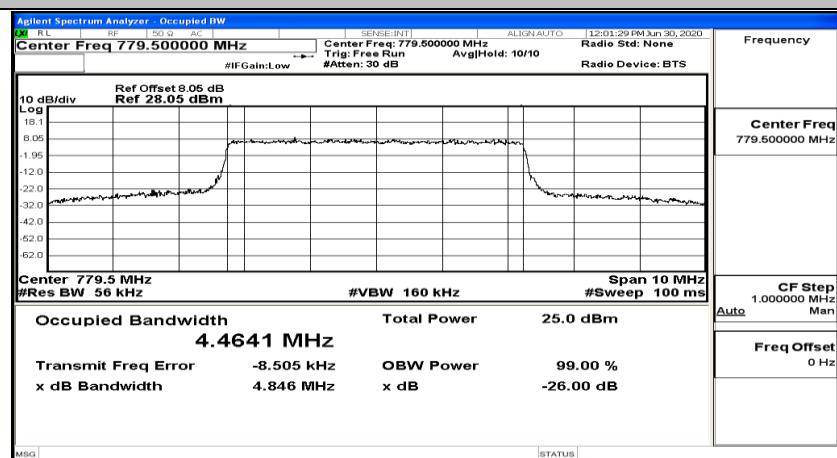
EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	MCH	8.9276	9.492	PASS
16QAM	MCH	8.9237	9.497	PASS



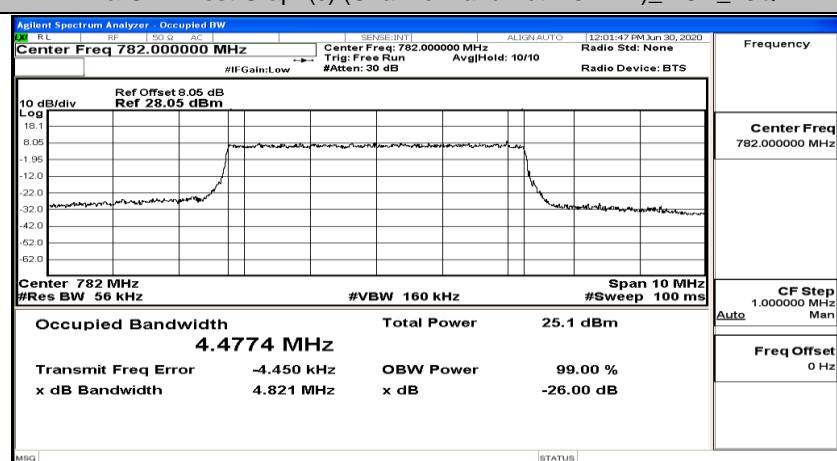
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



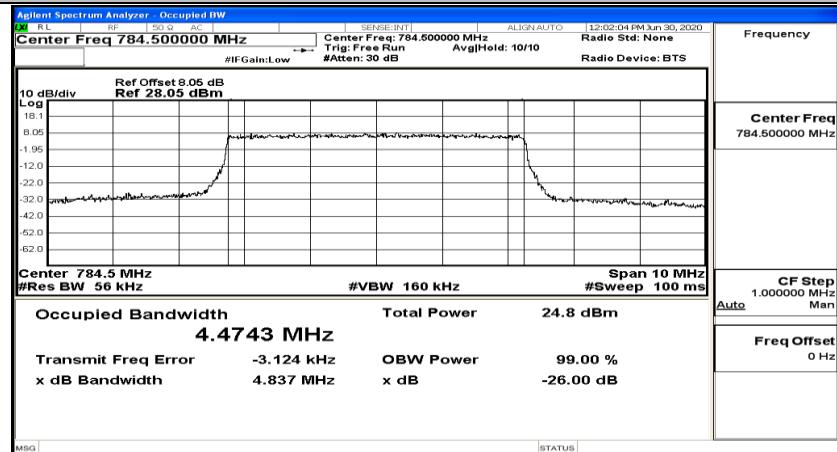
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



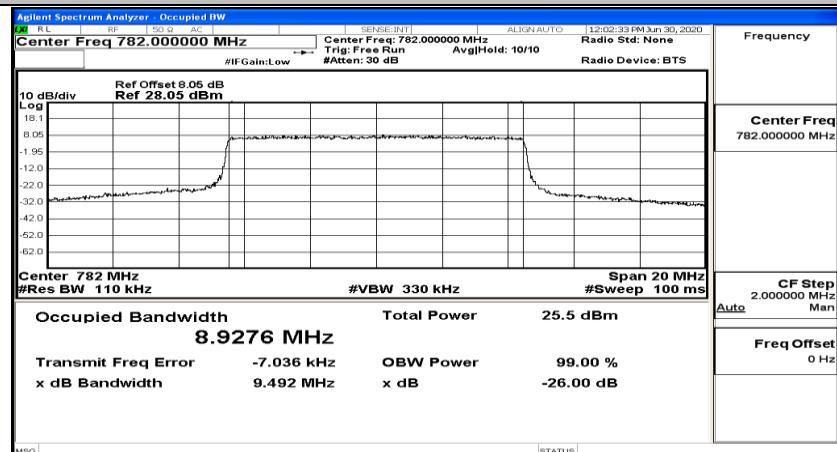
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



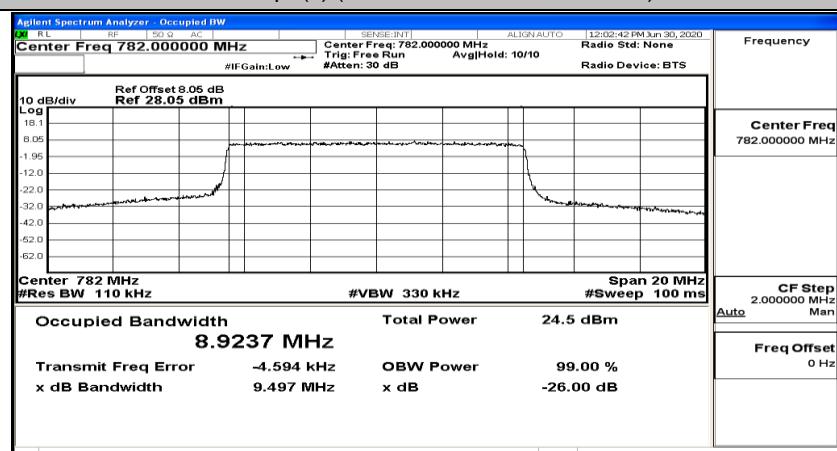
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



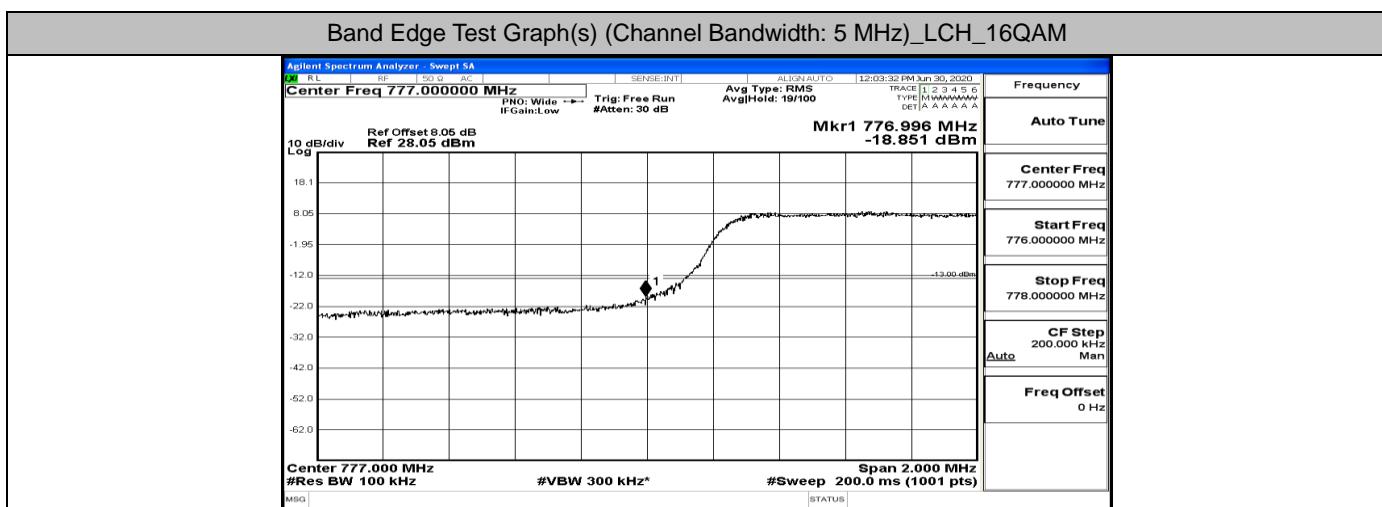
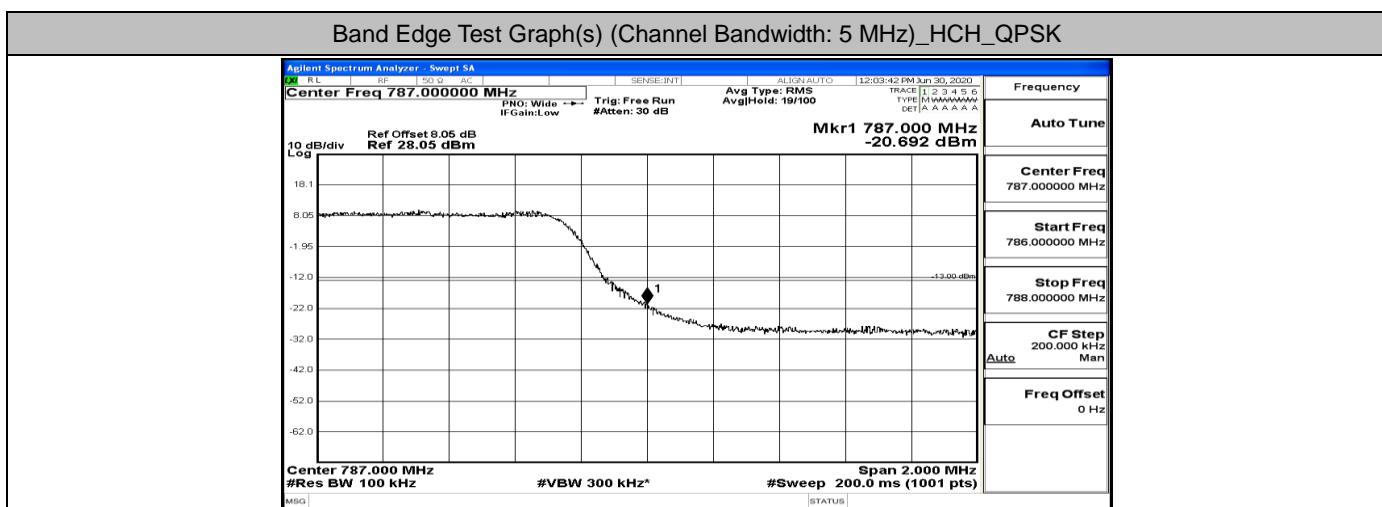
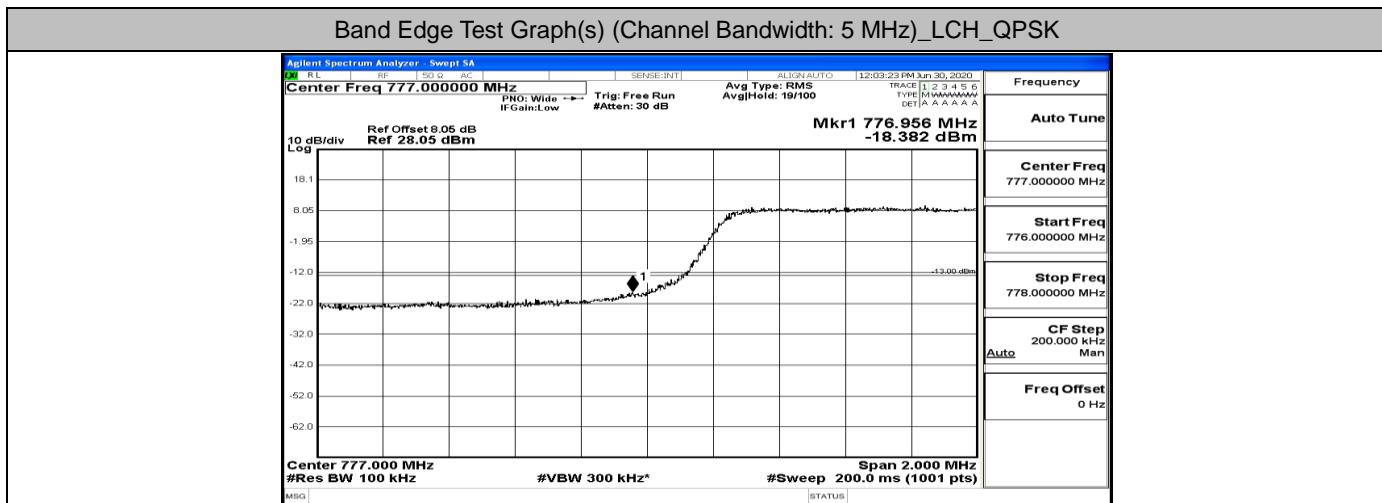
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



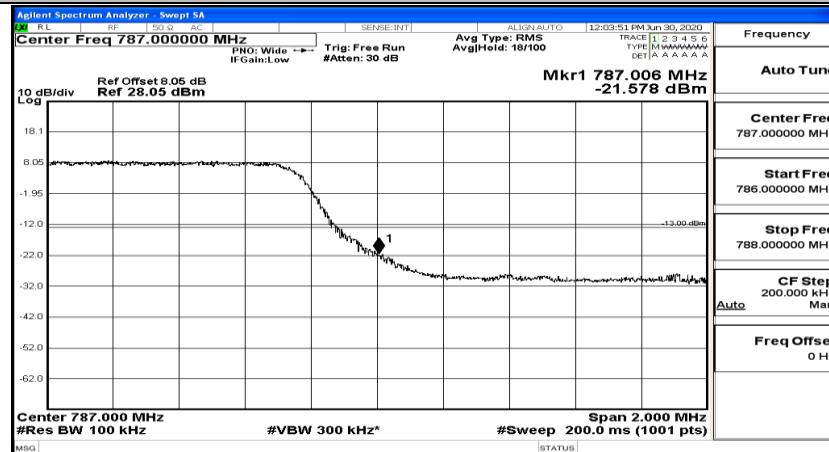
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



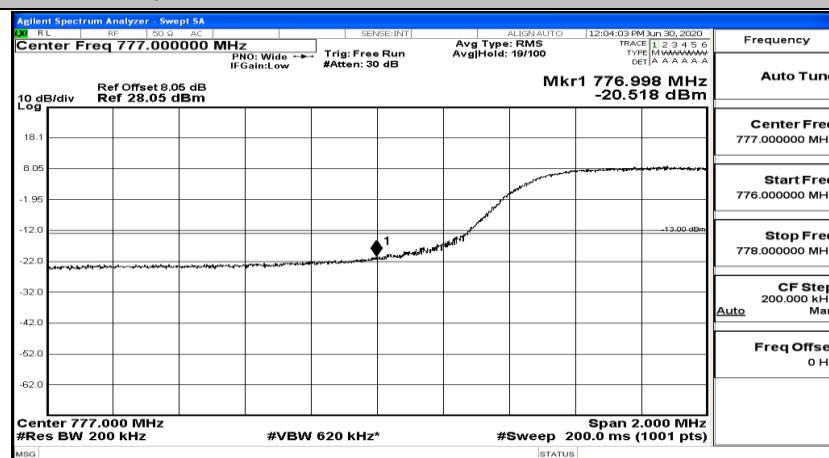
G.4 Band Edge



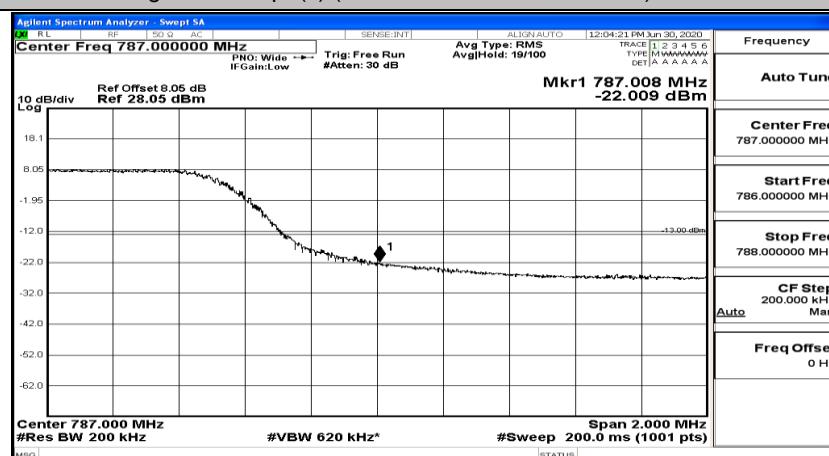
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



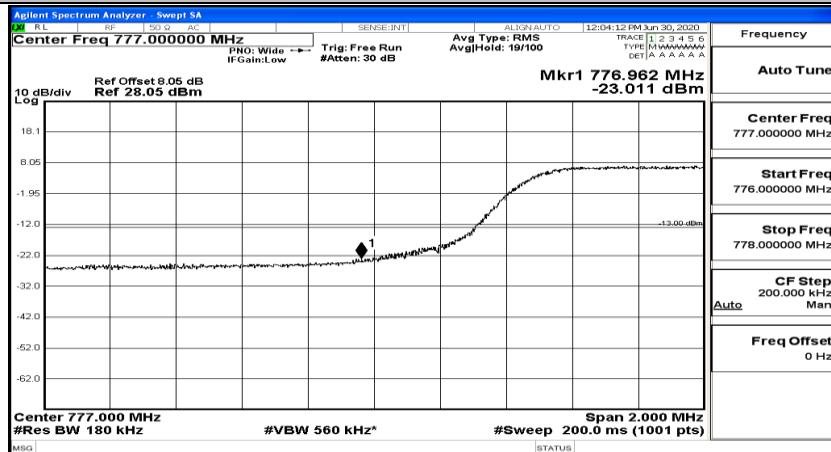
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



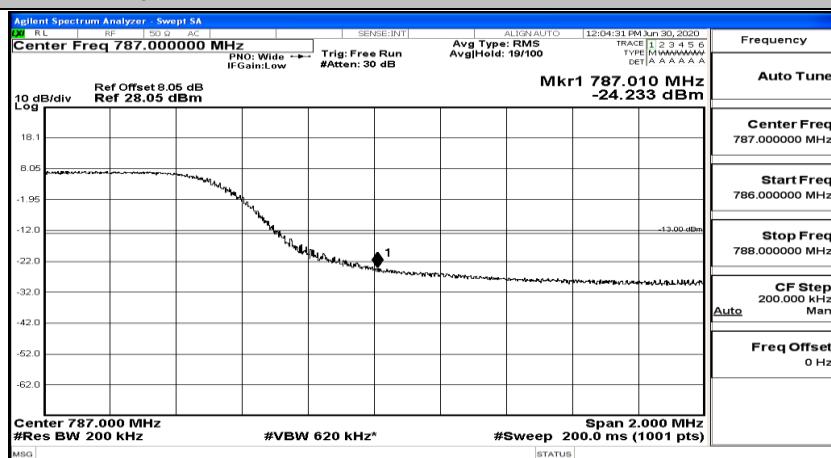
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



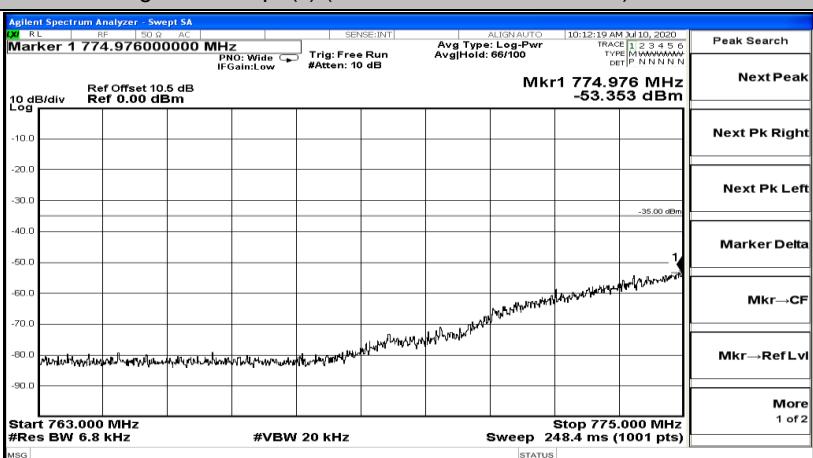
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM

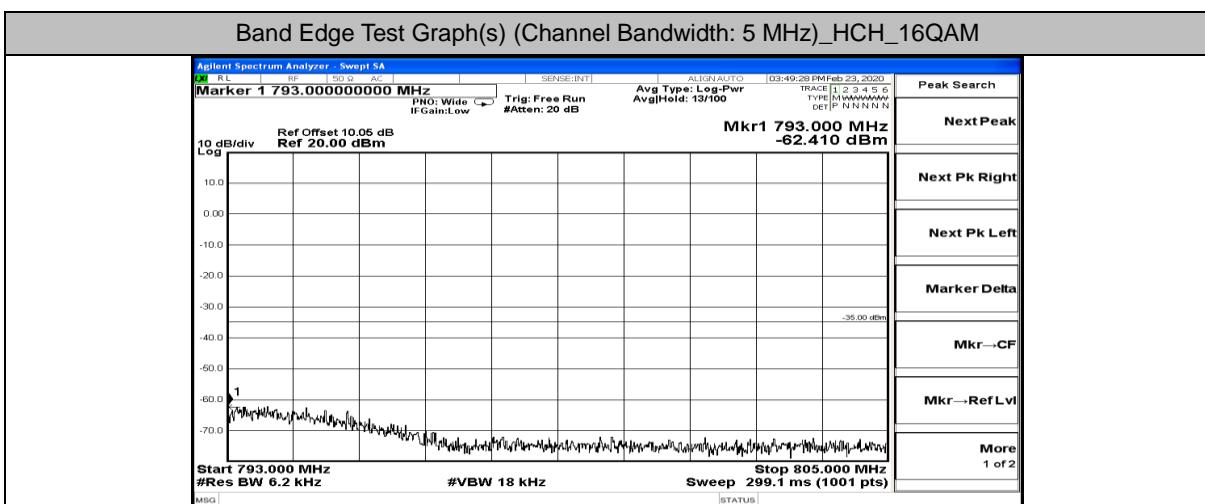
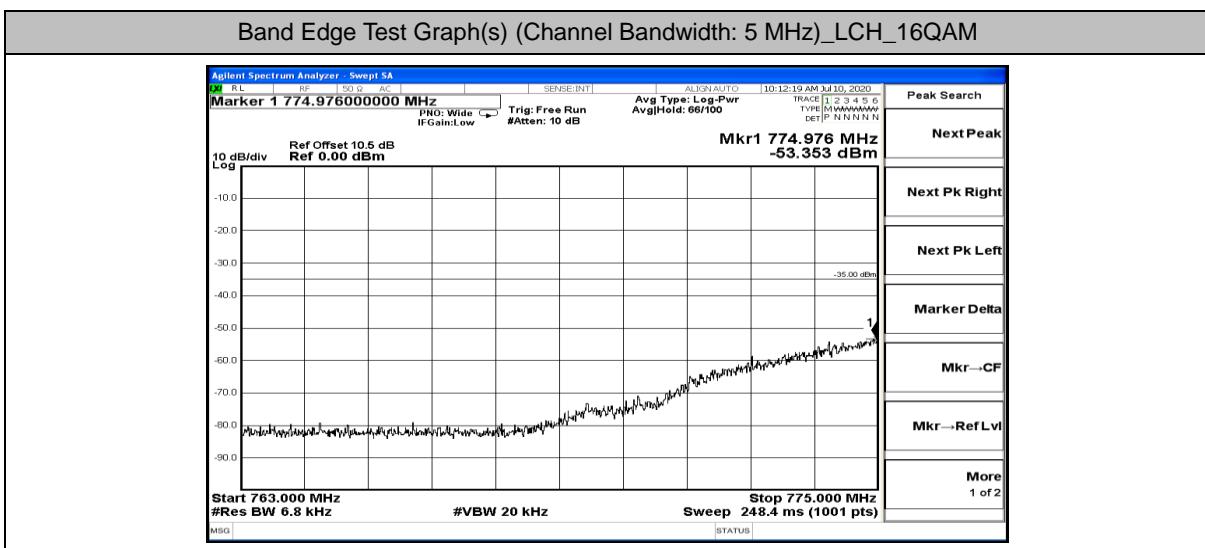
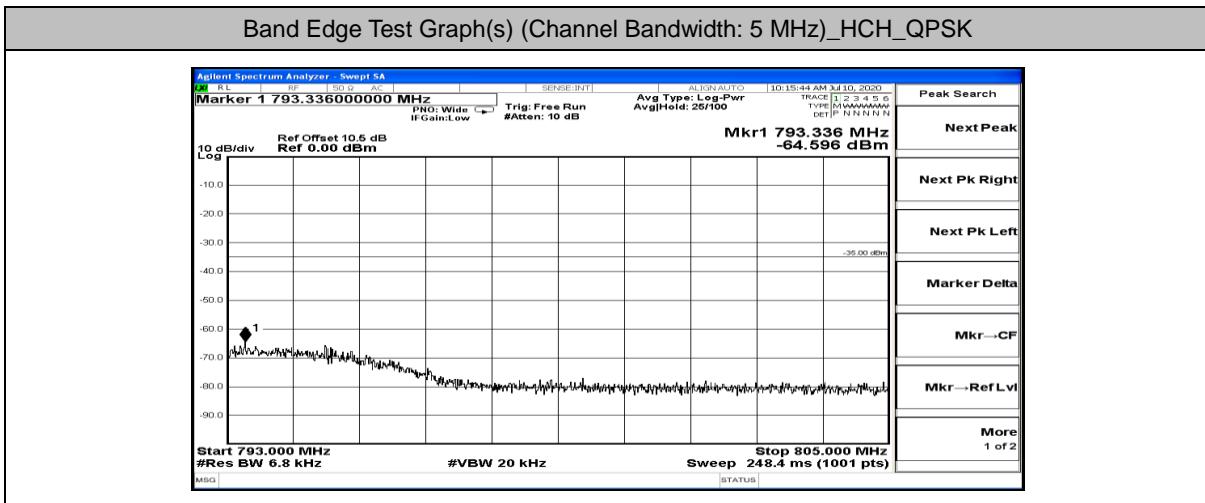


Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM

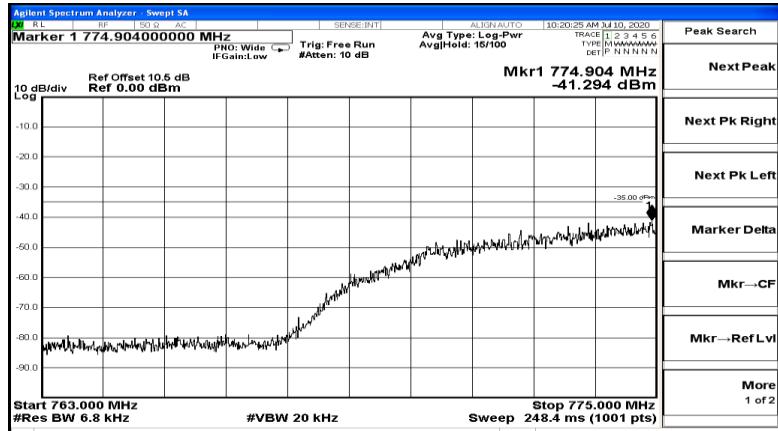


Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK

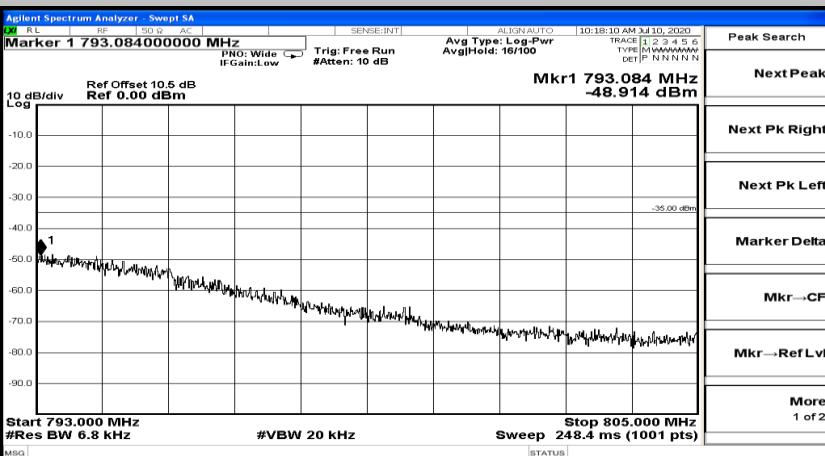




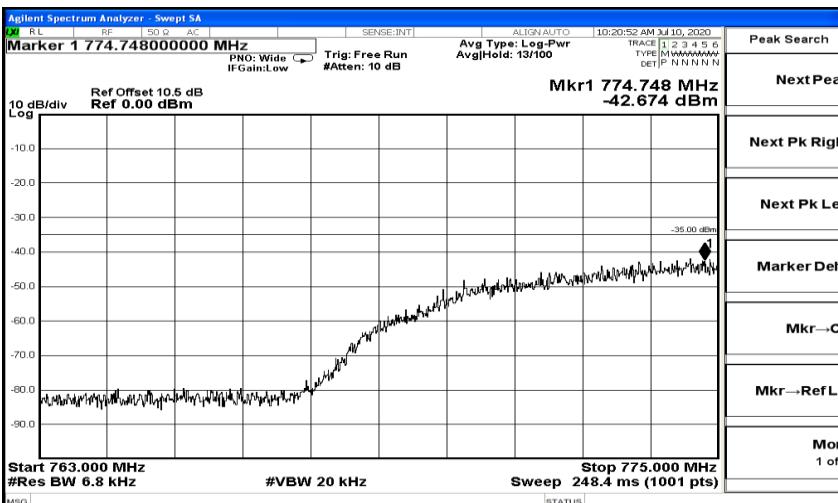
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_L_QPSK



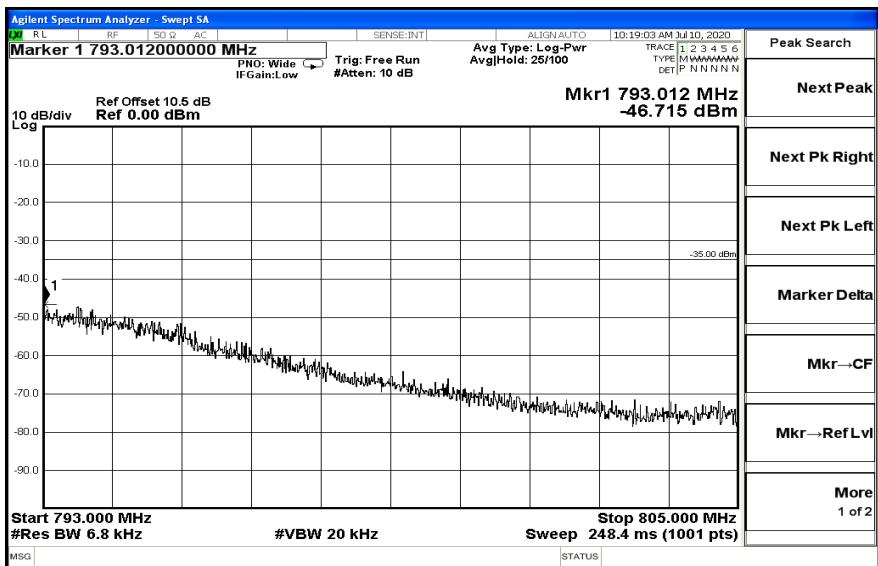
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_H_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_L_16QAM

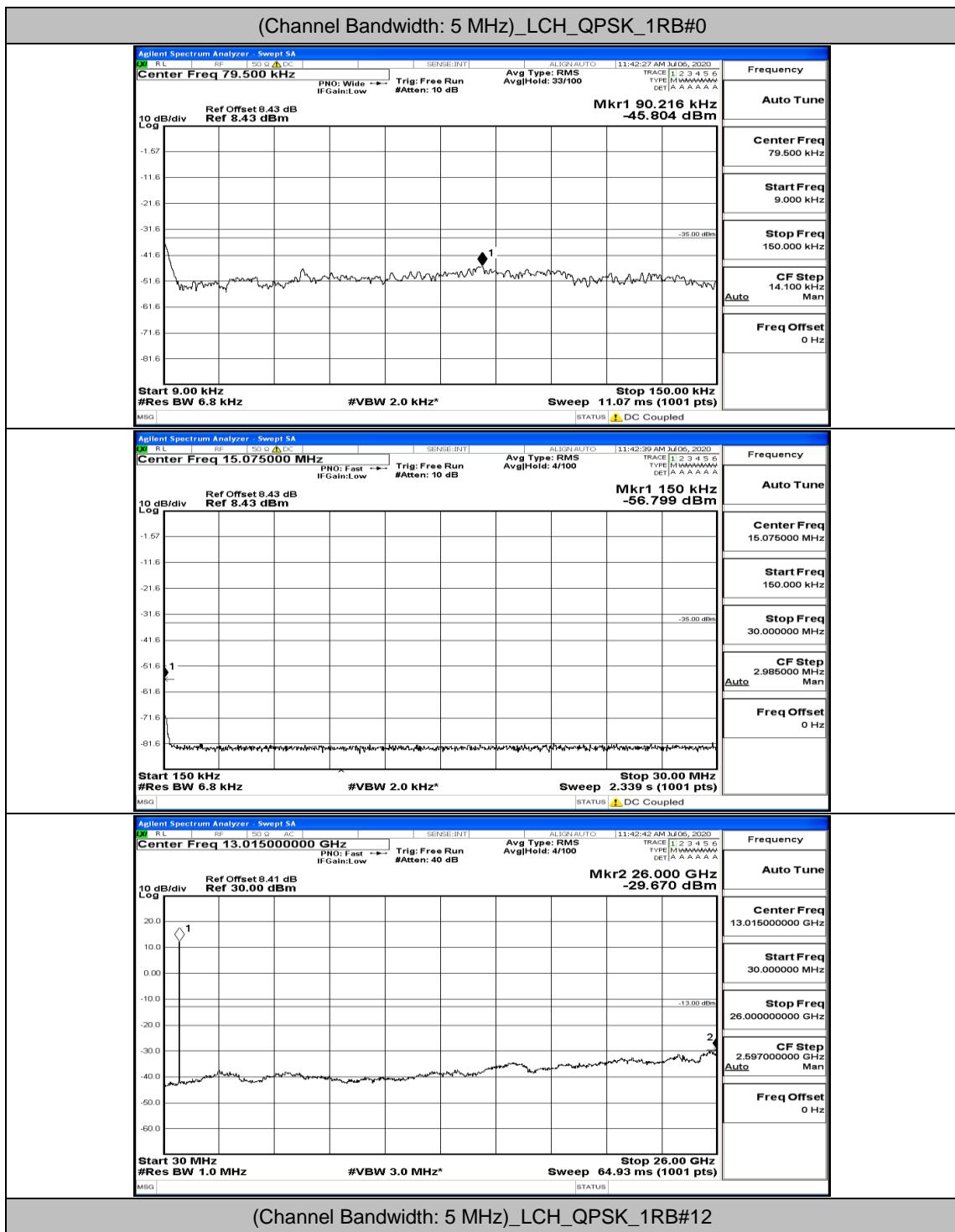


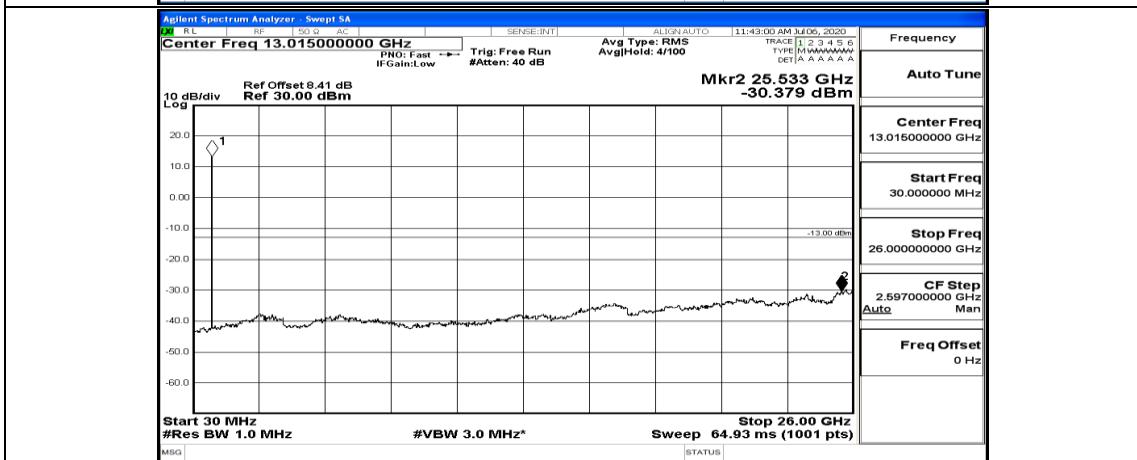
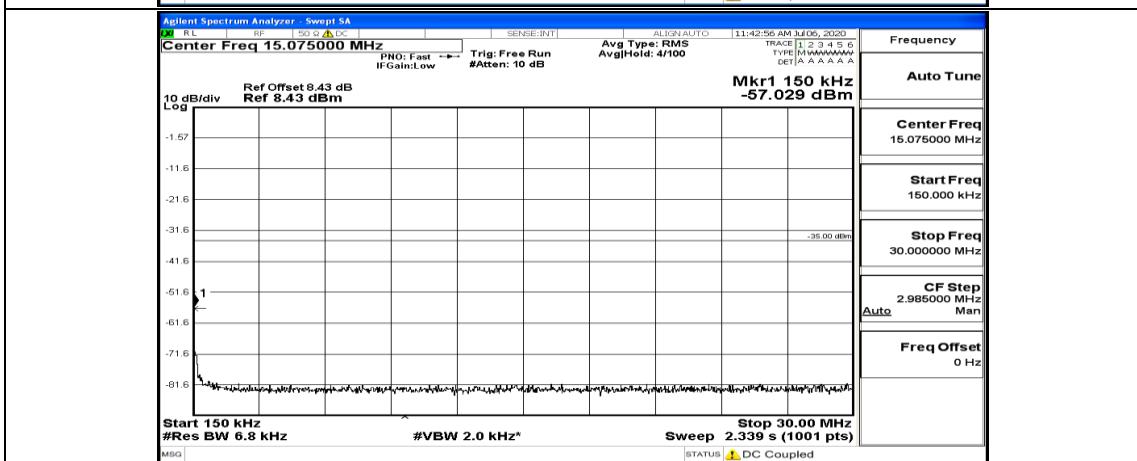
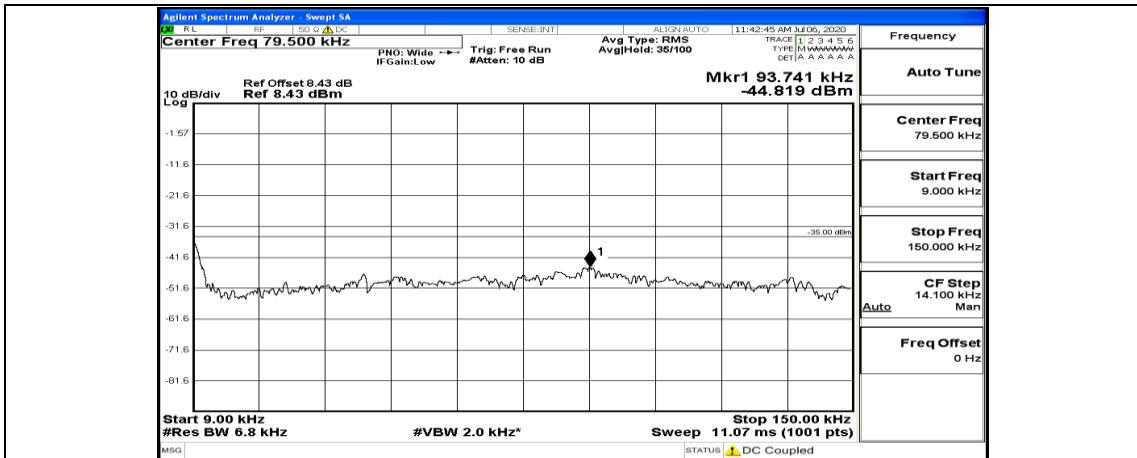
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_H_16QAM



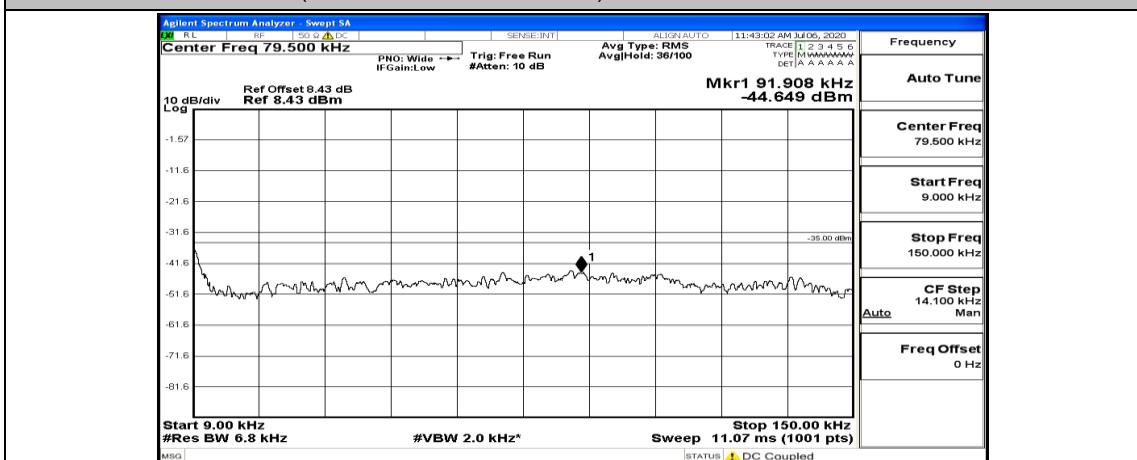
G.5 Conducted Spurious Emission

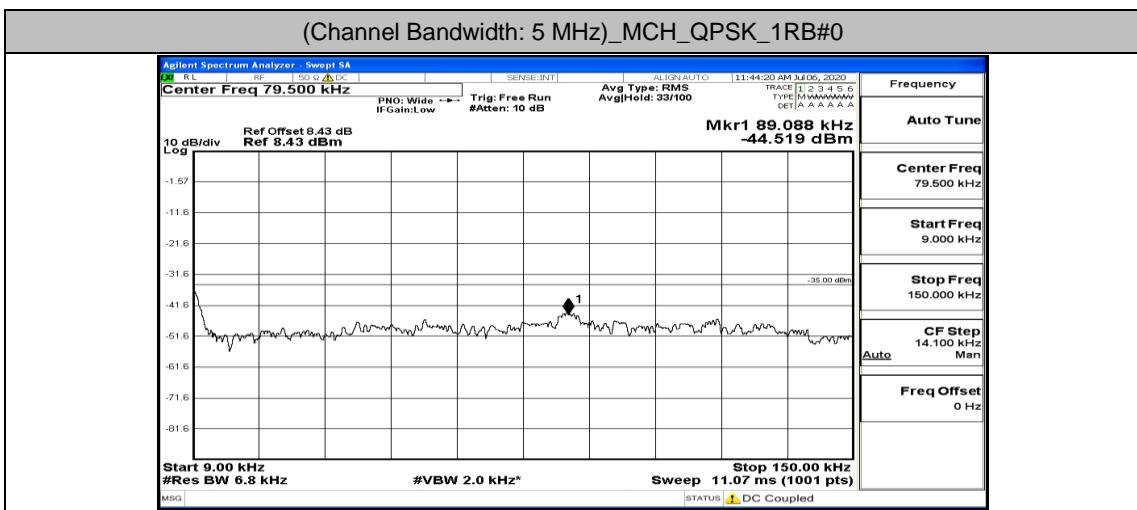
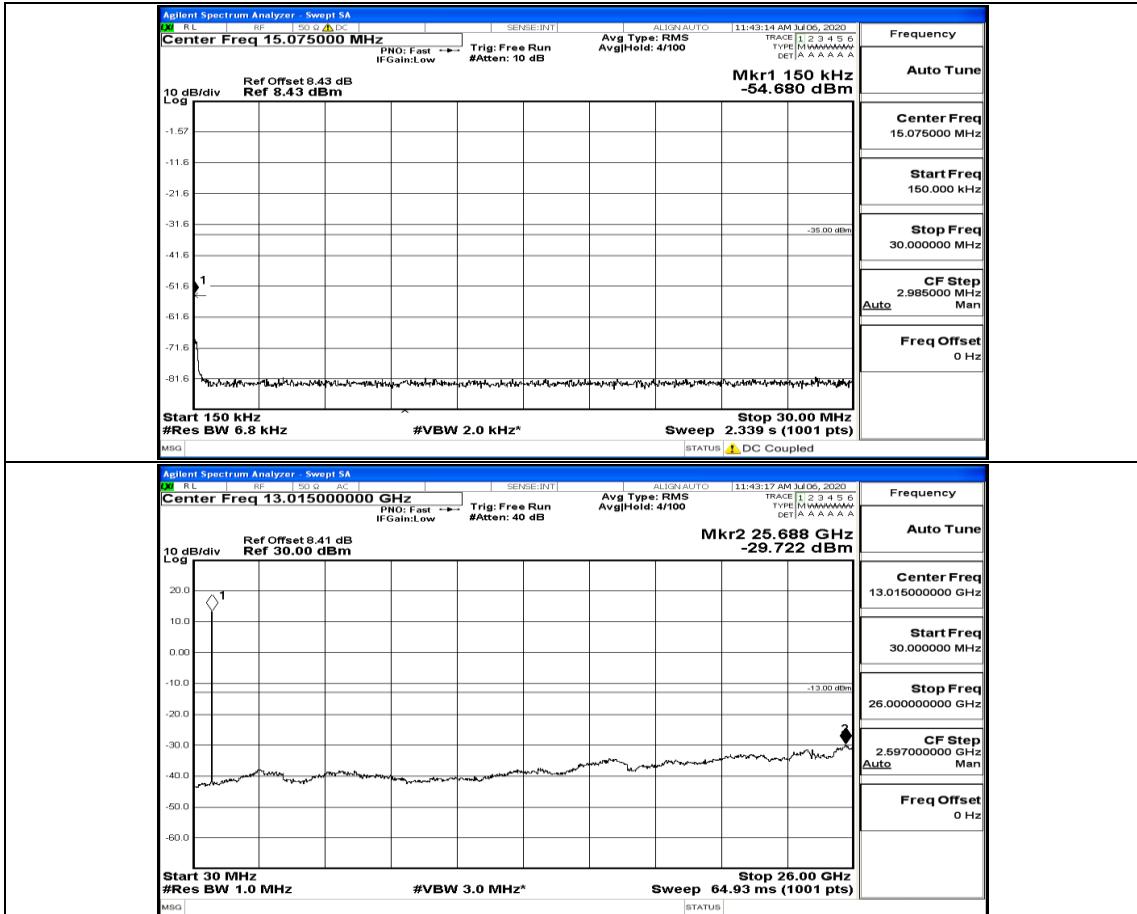
Channel Bandwidth: 5 MHz

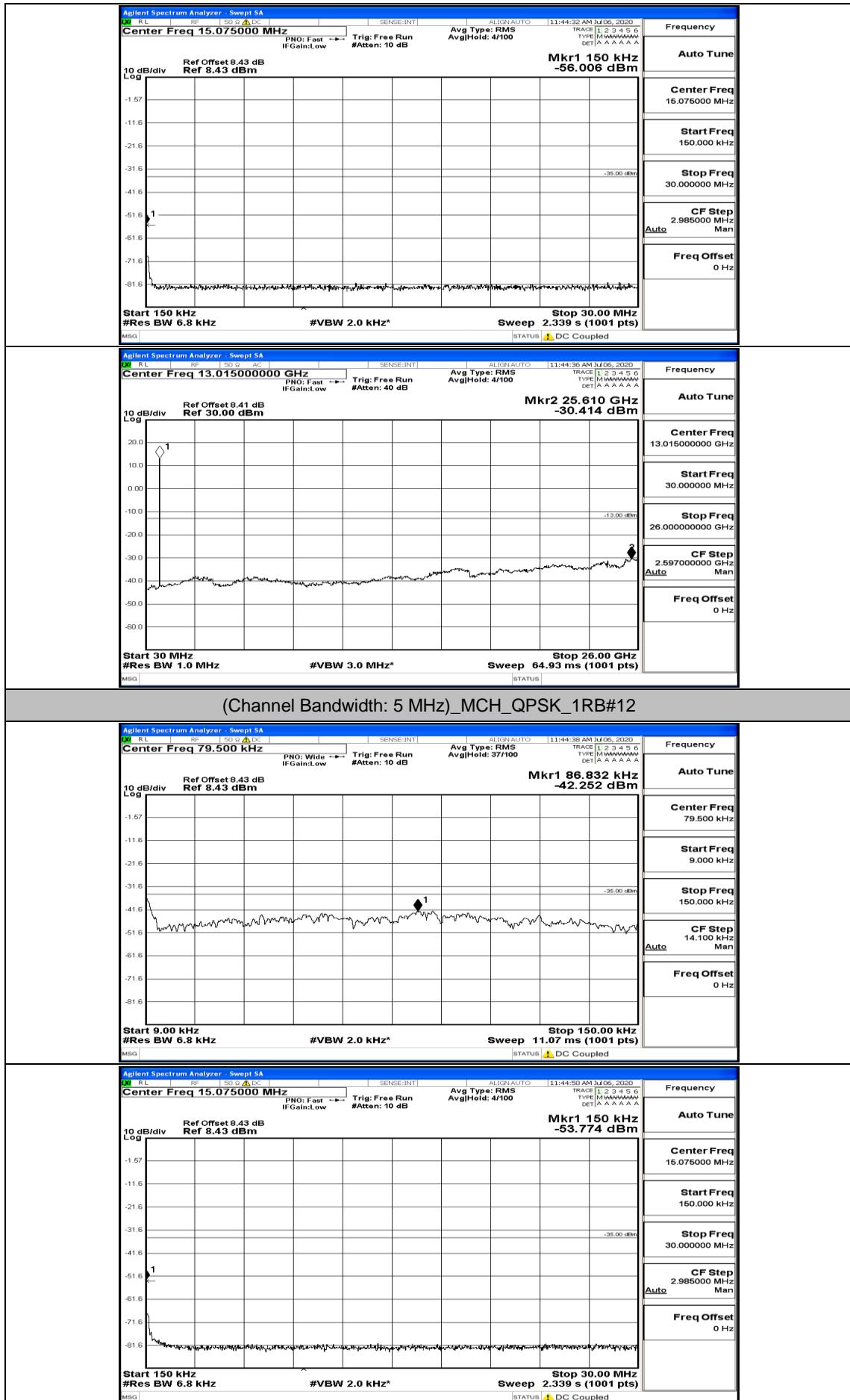


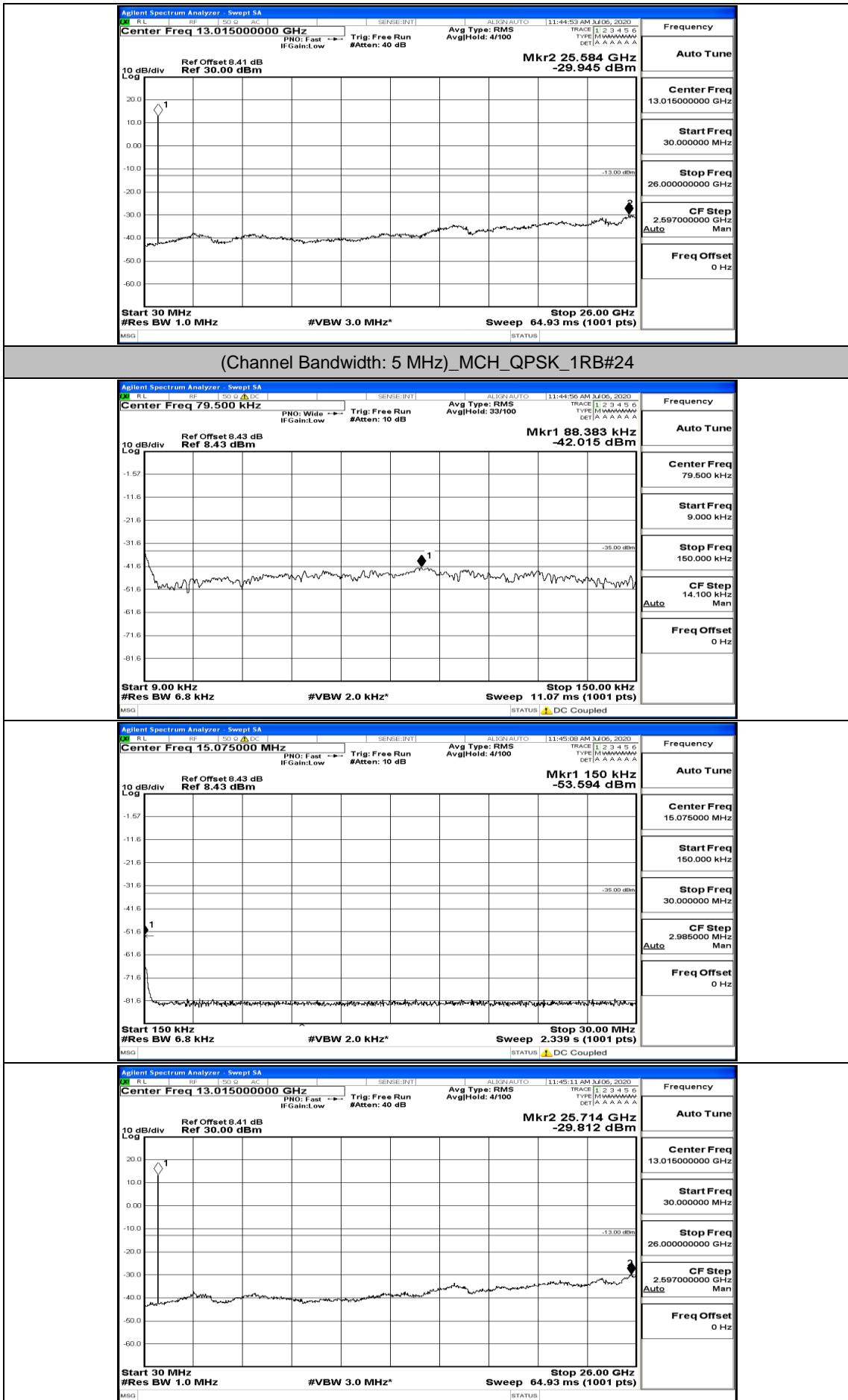


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

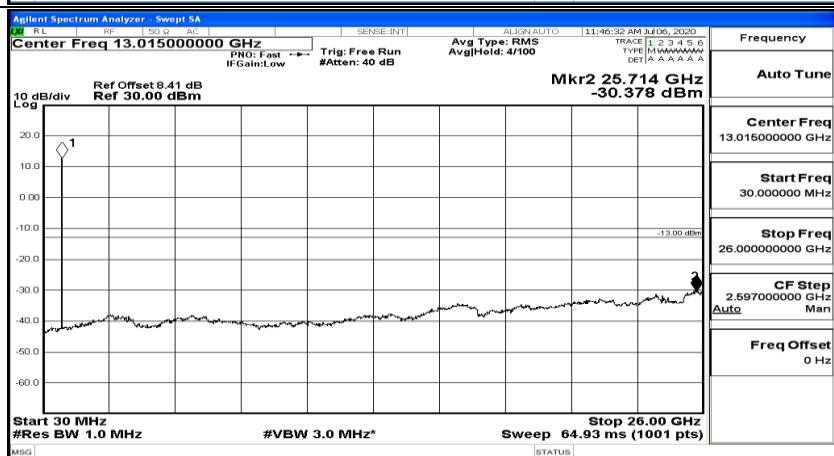
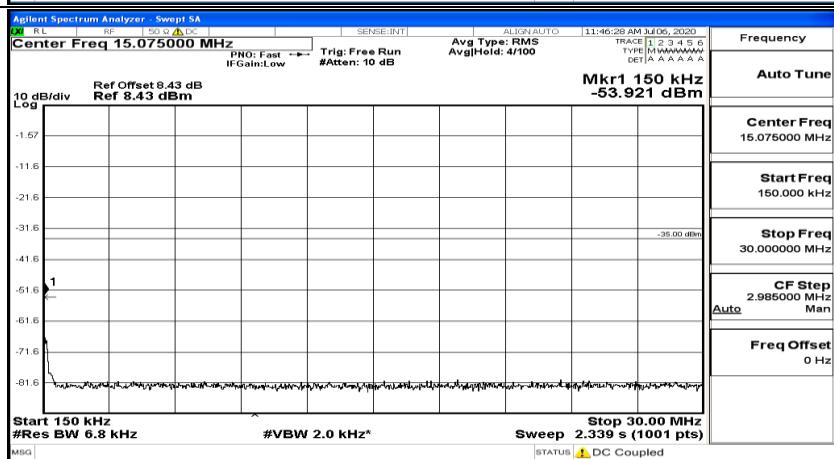
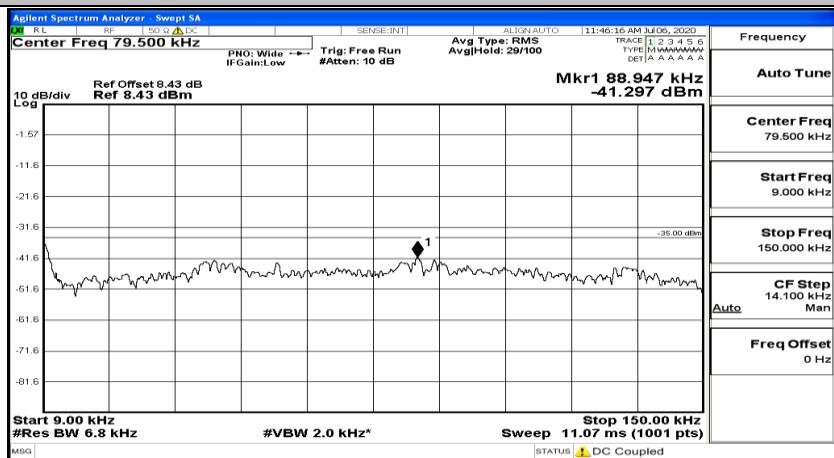




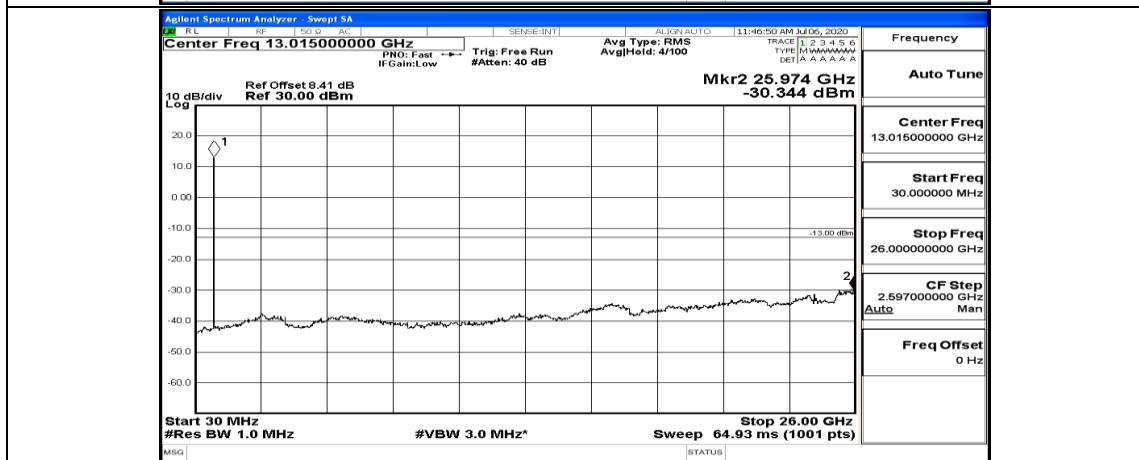
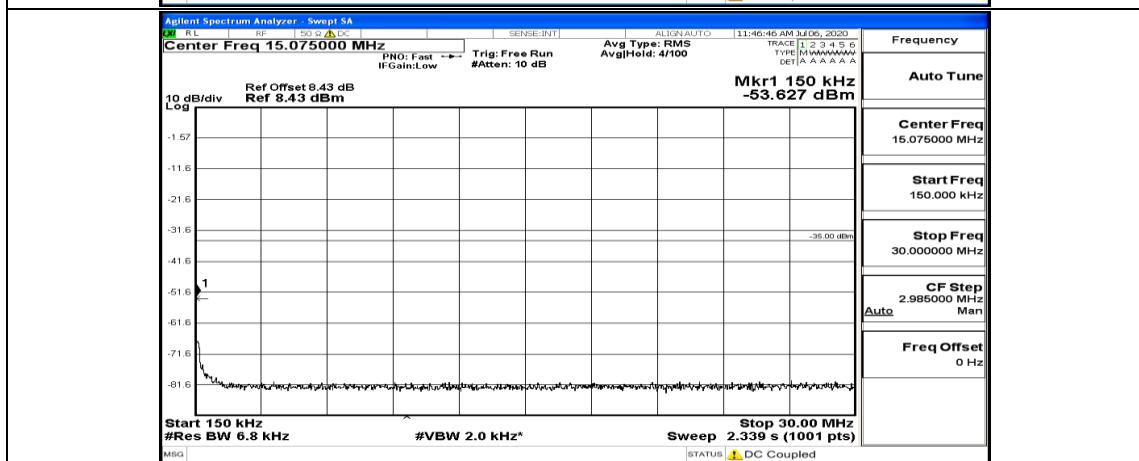
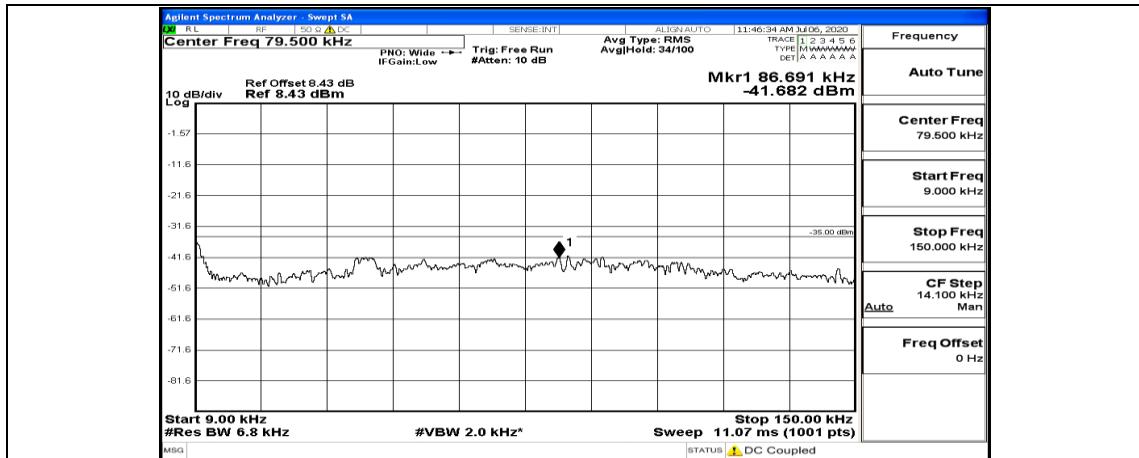




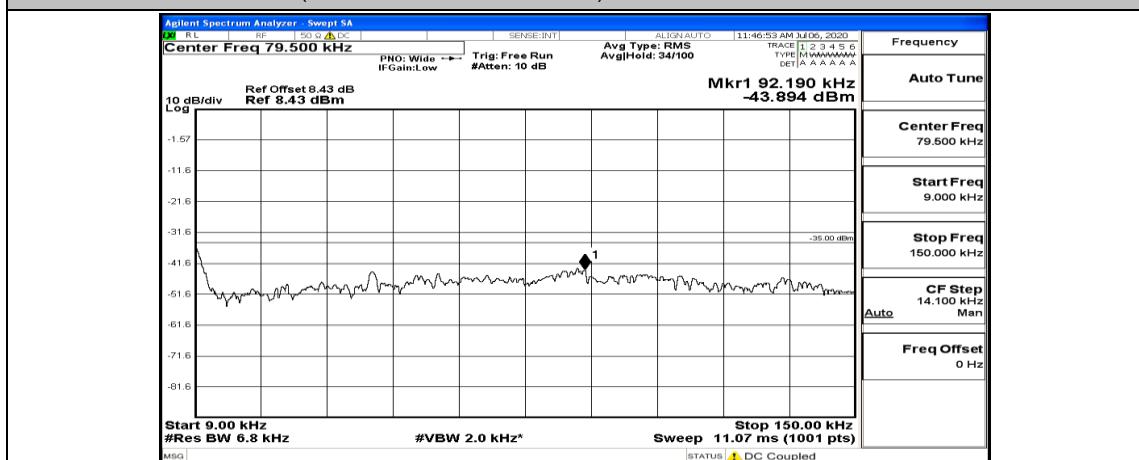
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

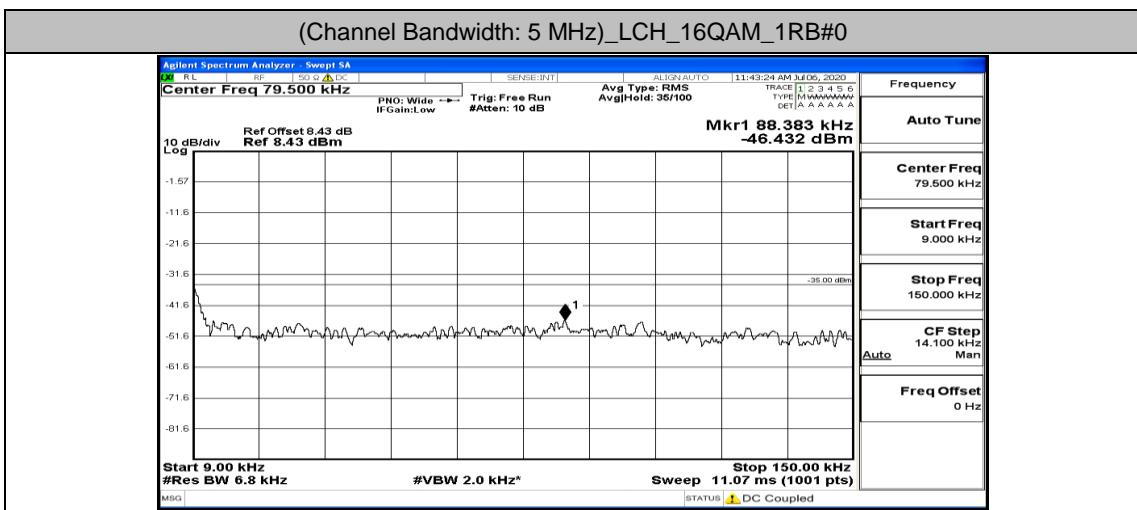
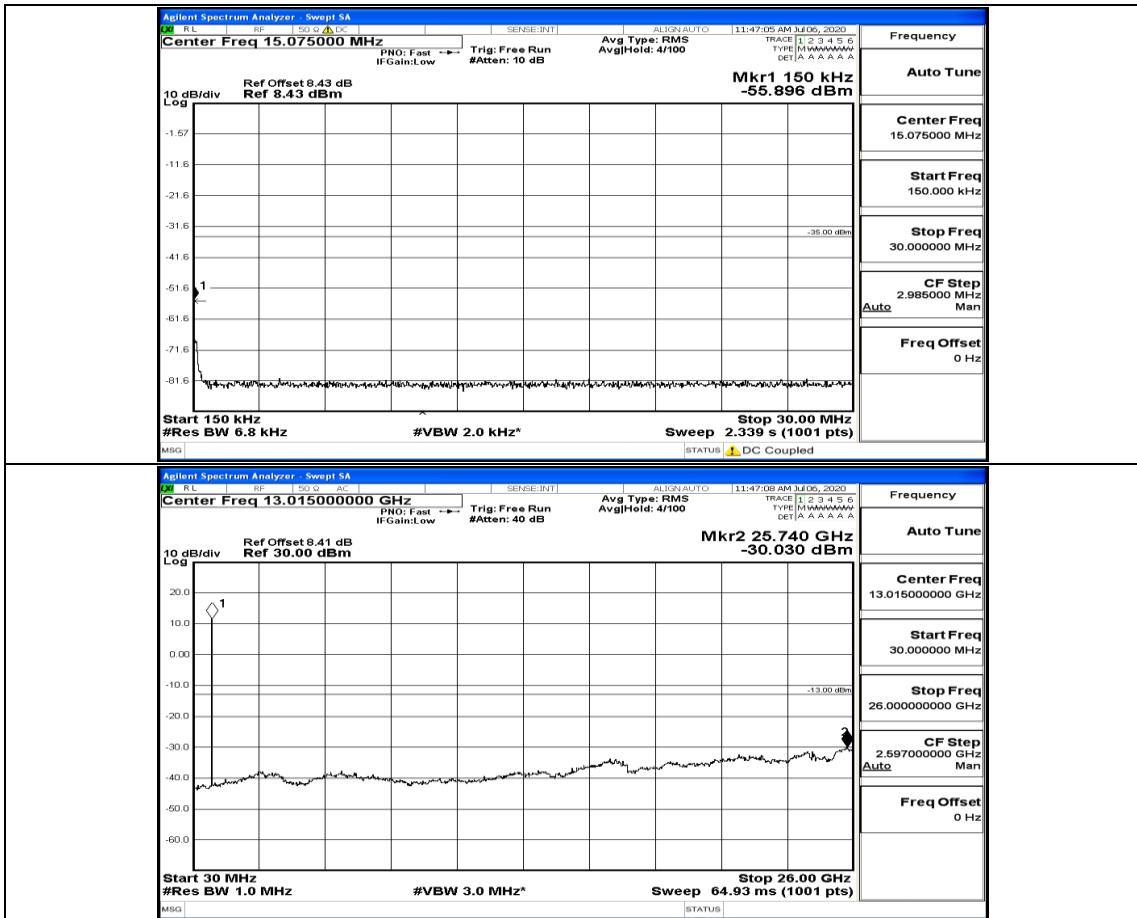


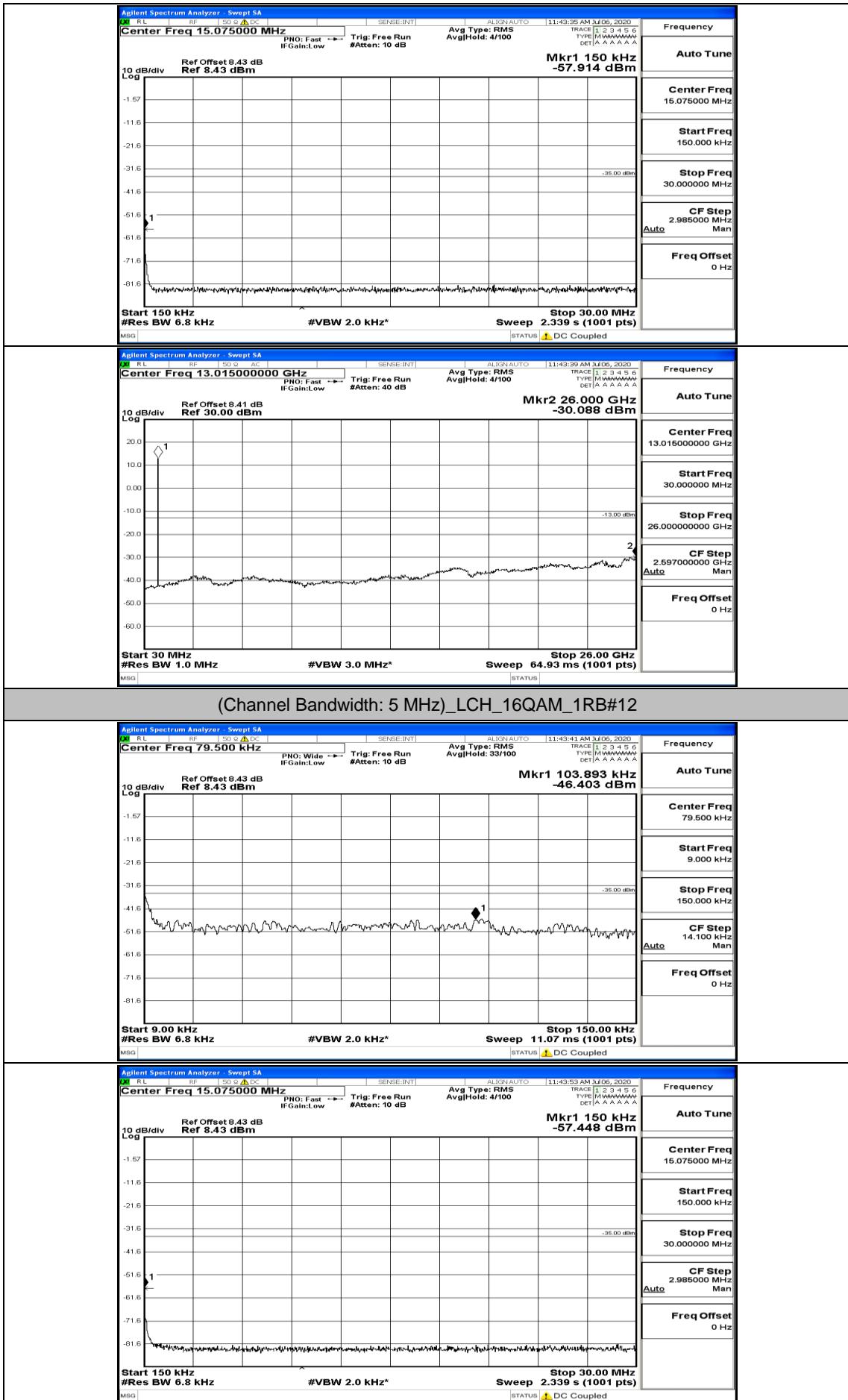
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

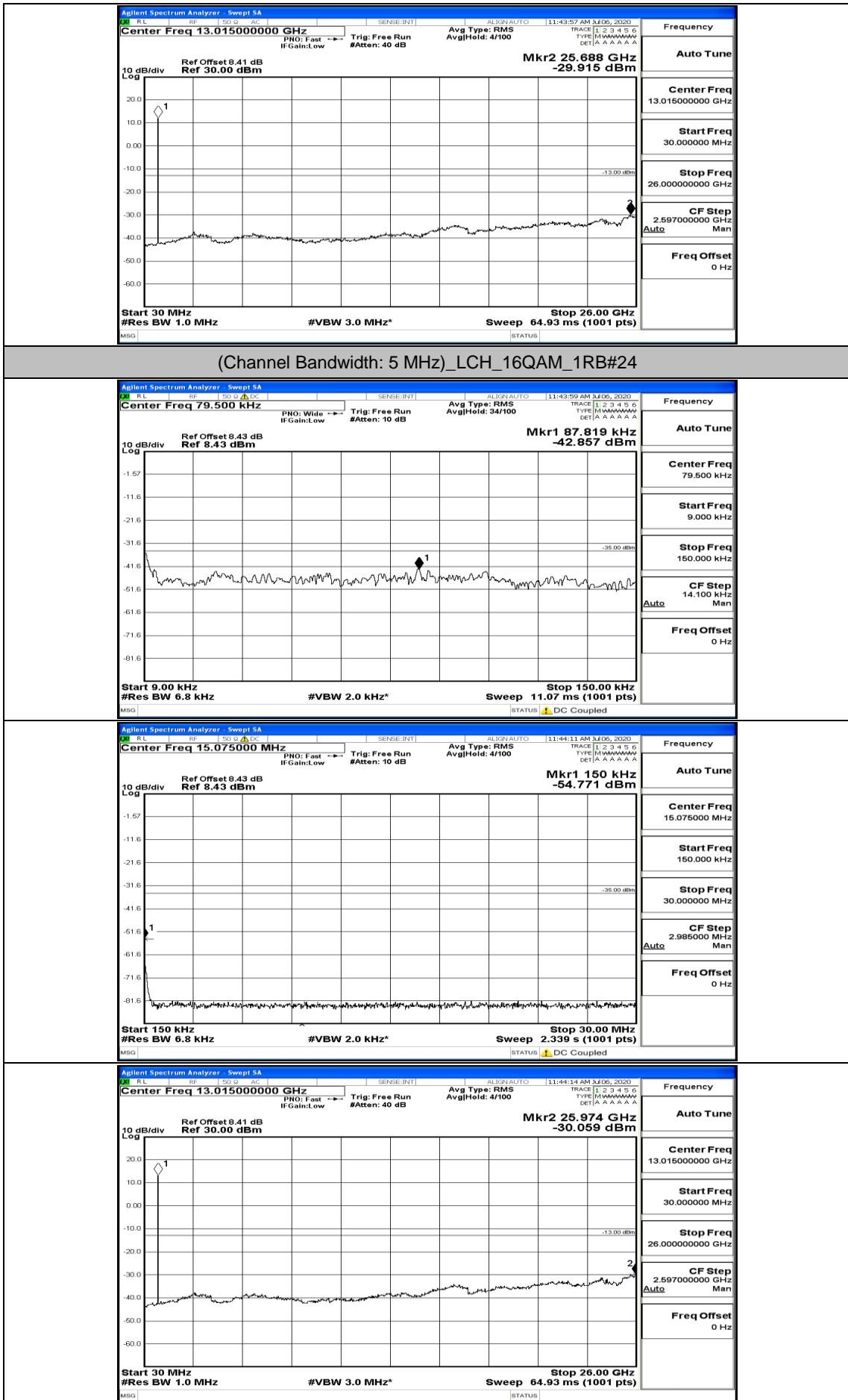


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

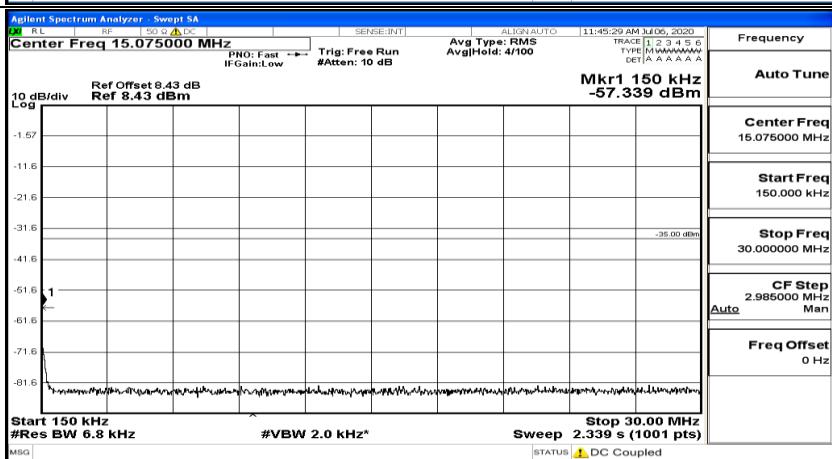
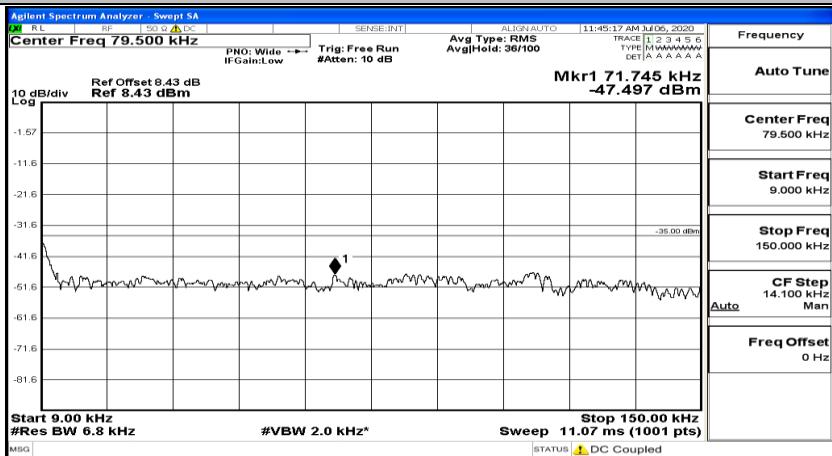




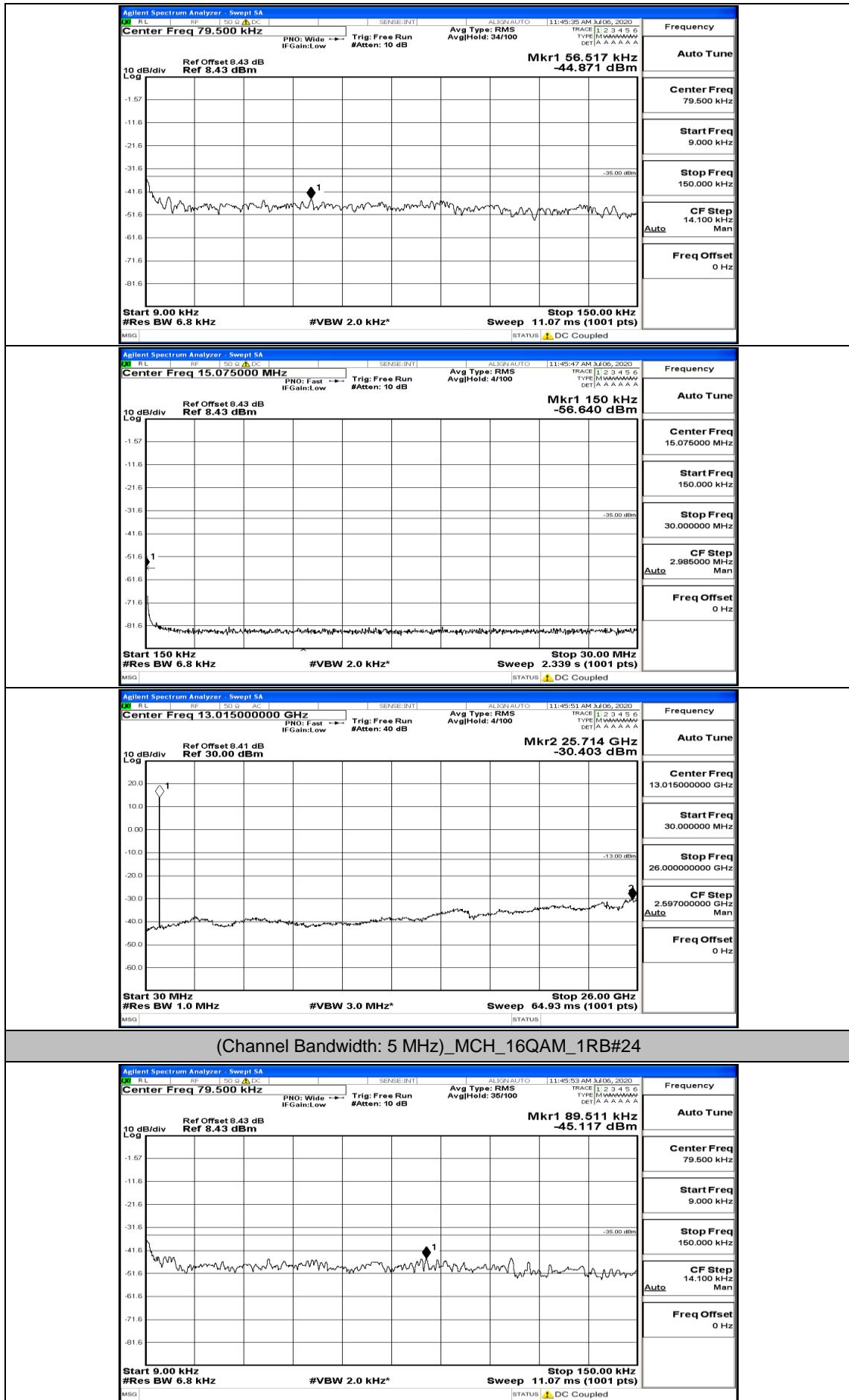


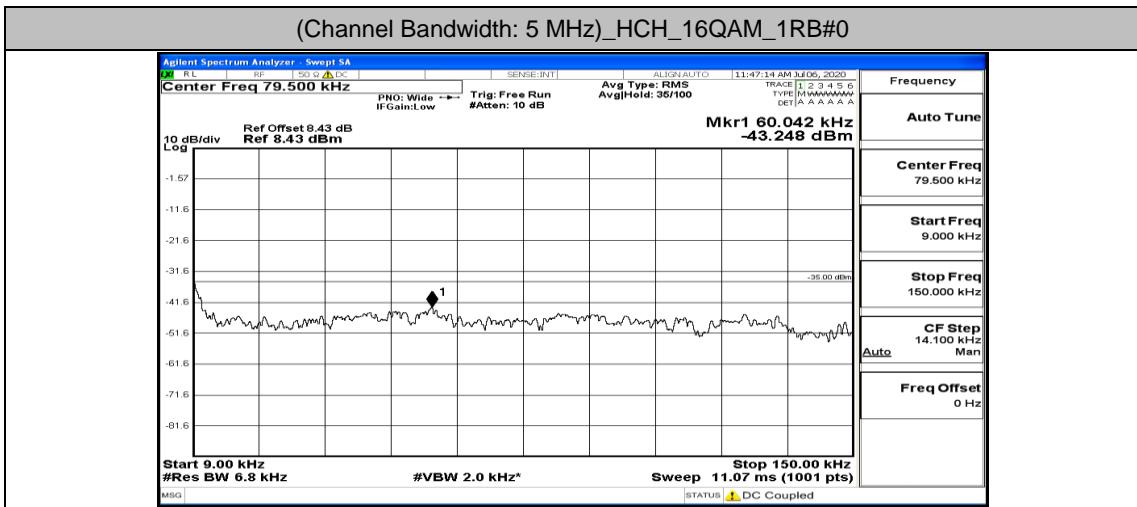
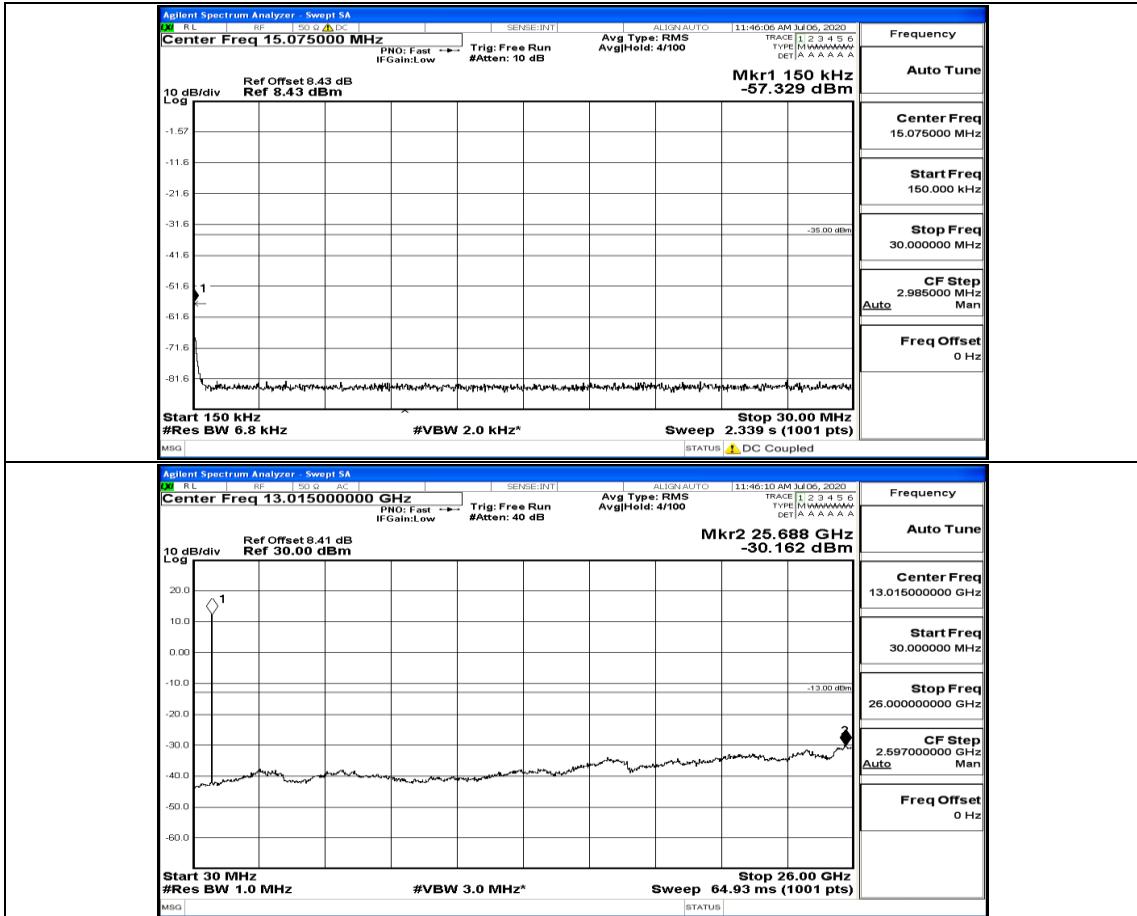


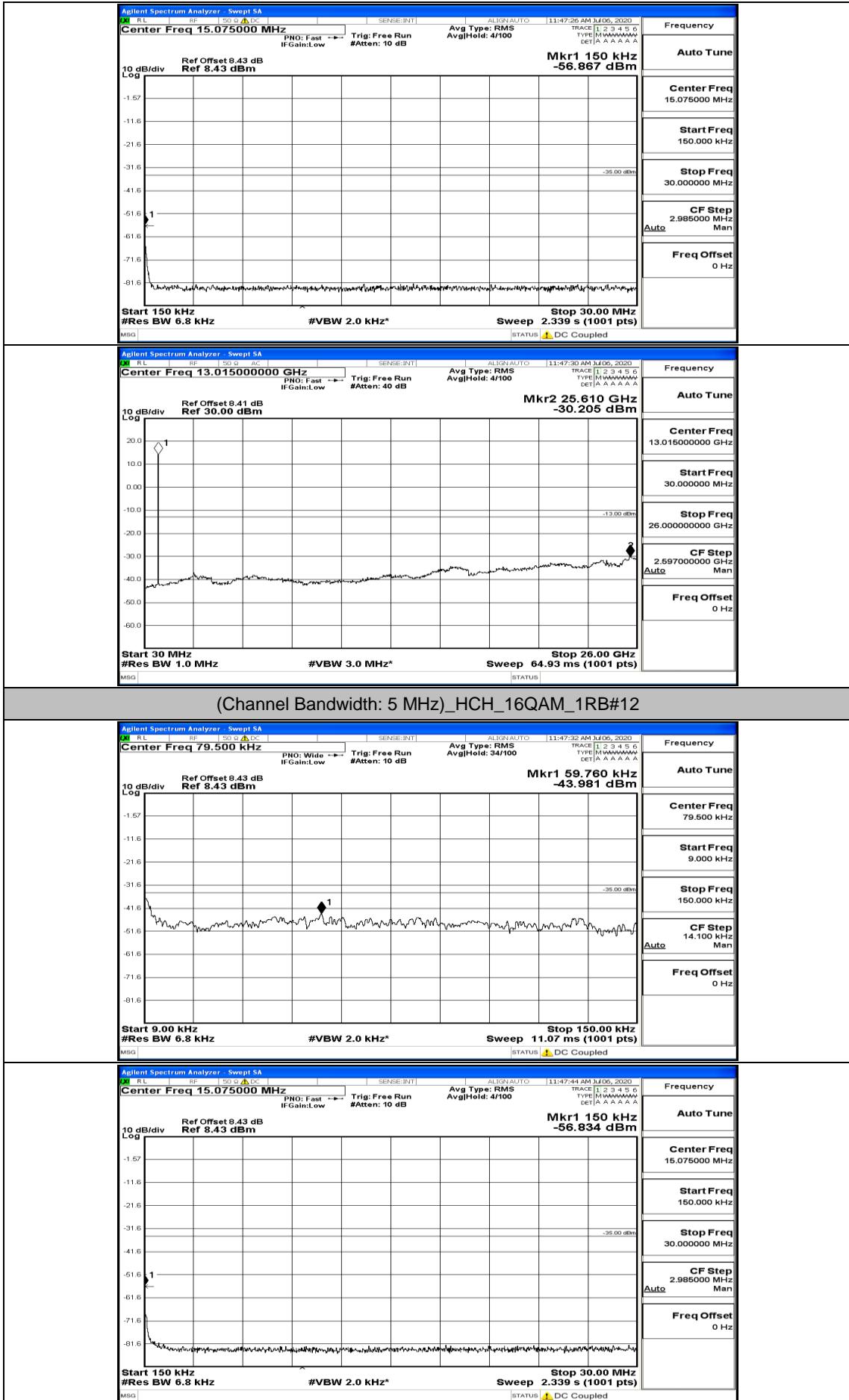
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

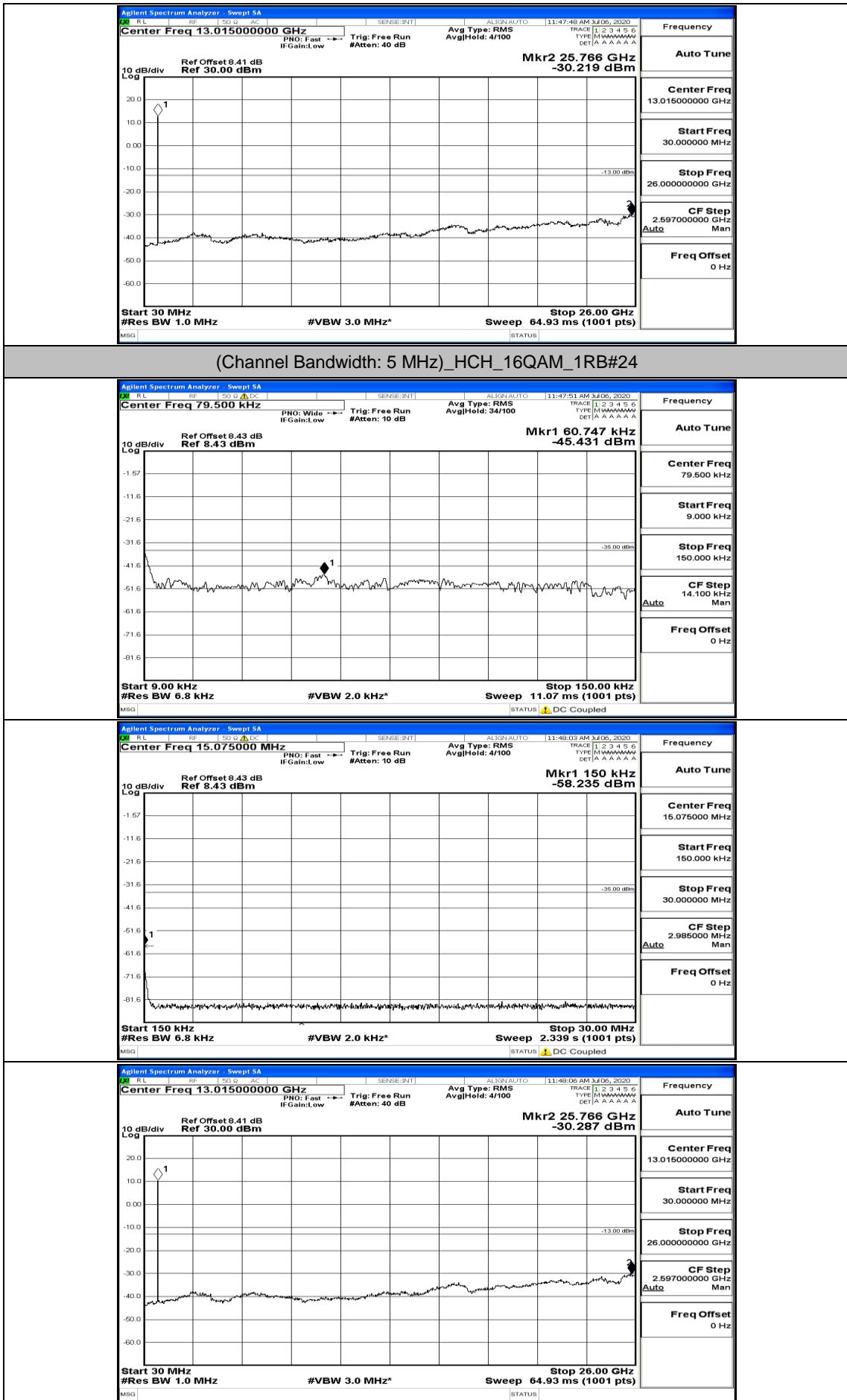


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

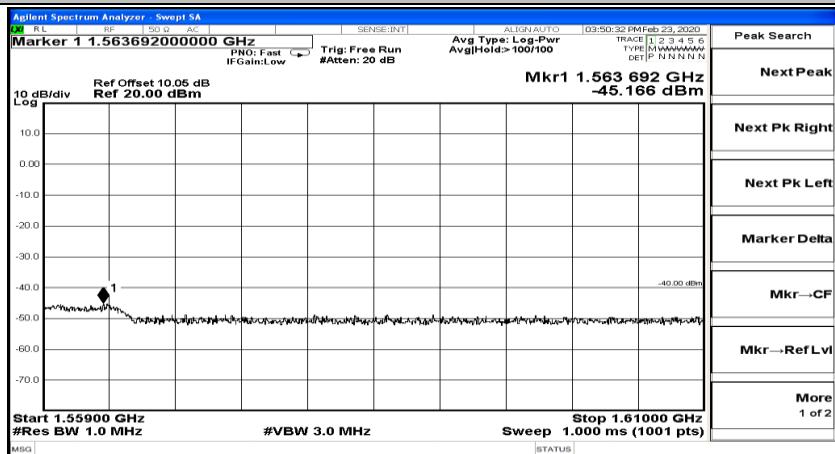




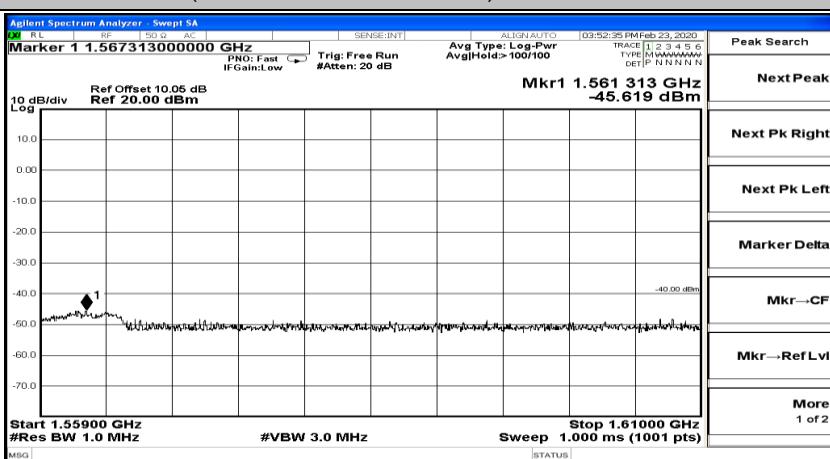




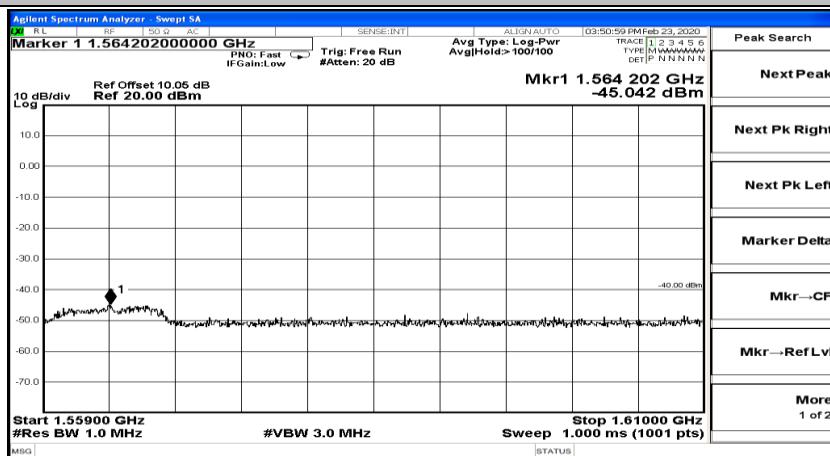
(Channel Bandwidth: 5 MHz)_LCH_QPSK



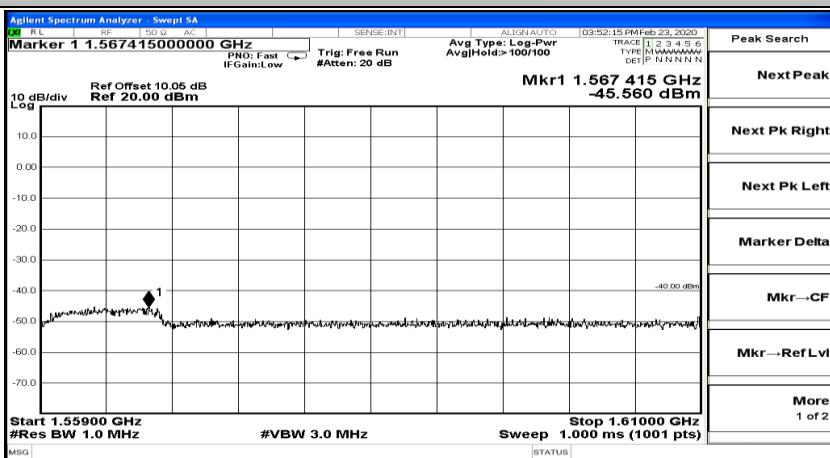
(Channel Bandwidth: 5 MHz)_LCH_16QAM



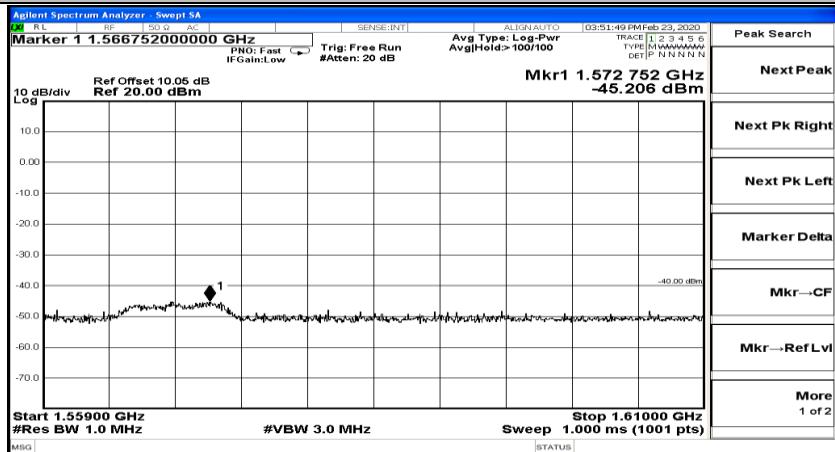
(Channel Bandwidth: 5 MHz)_MCH_QPSK



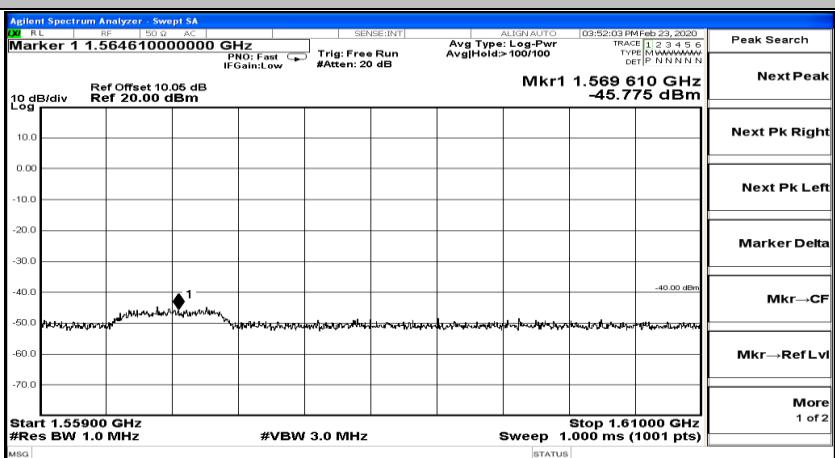
(Channel Bandwidth: 5 MHz)_MCH_16QAM



(Channel Bandwidth: 5 MHz)_HCH_QPSK

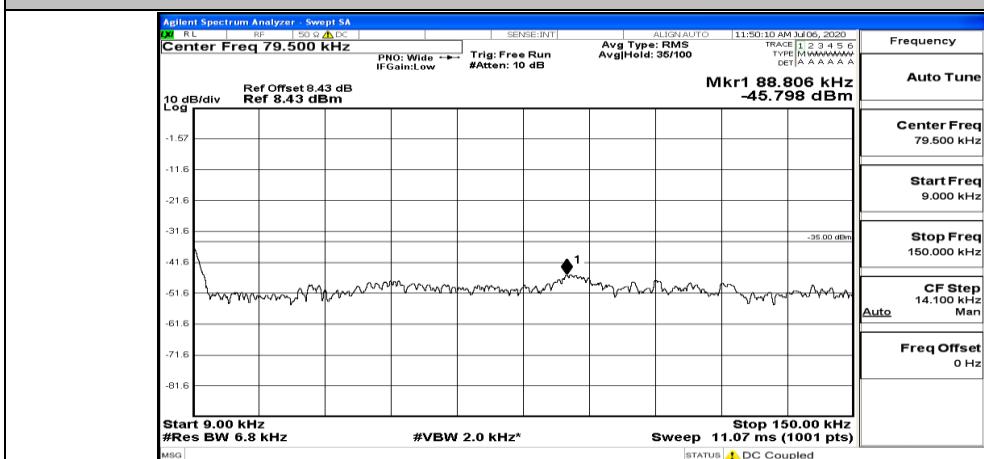


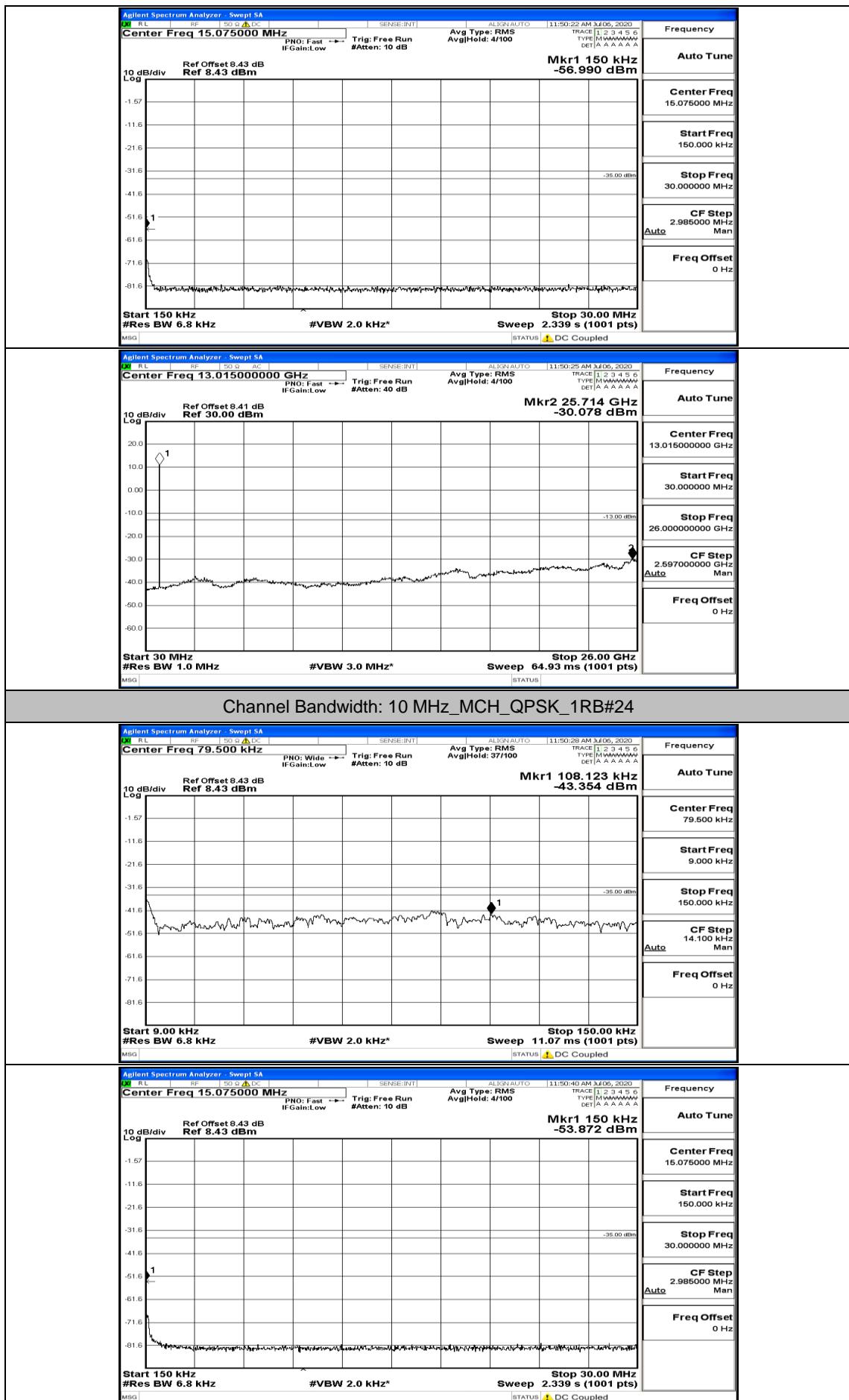
(Channel Bandwidth: 5 MHz)_HCH_16QAM

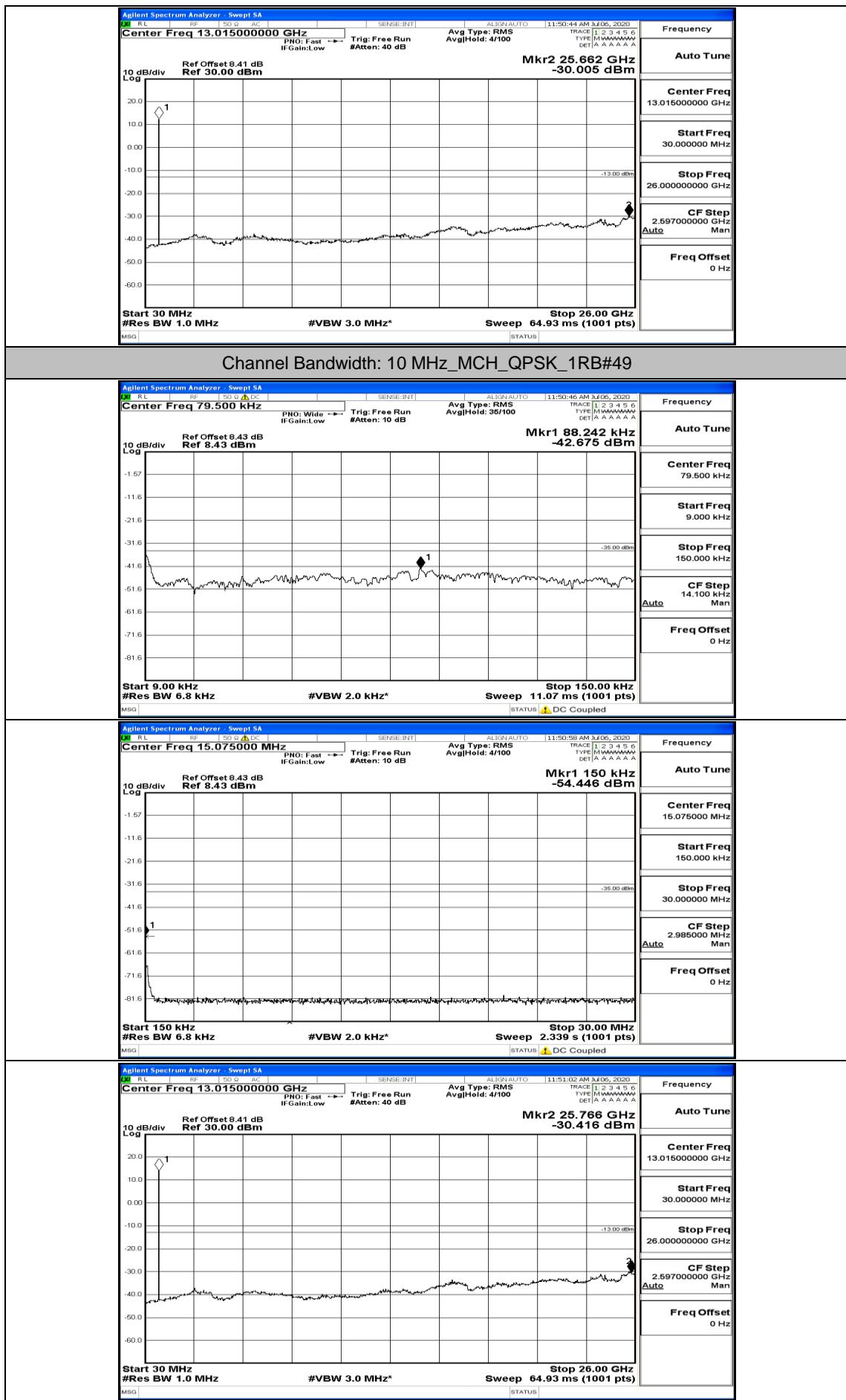


Channel Bandwidth: 10 MHz

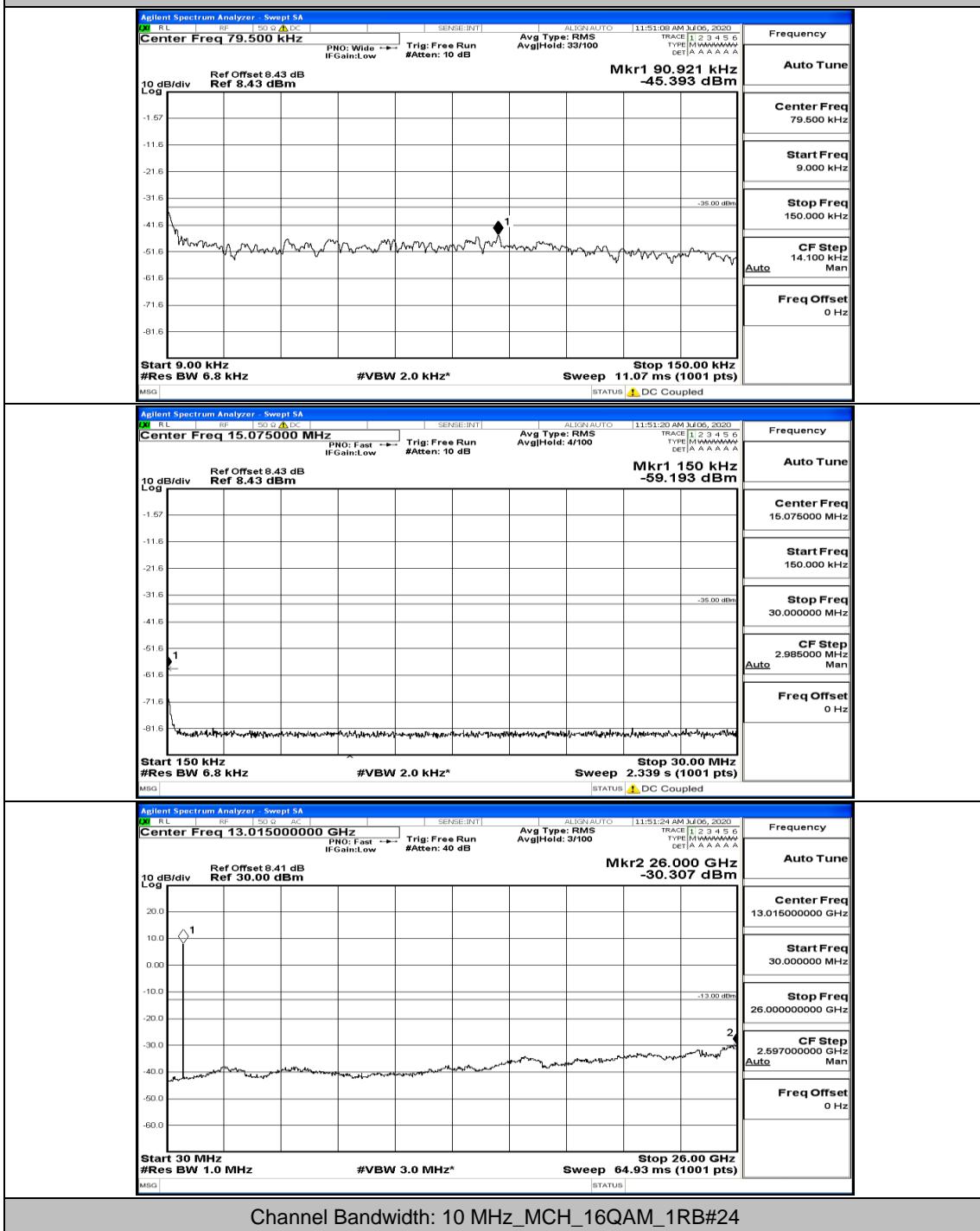
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



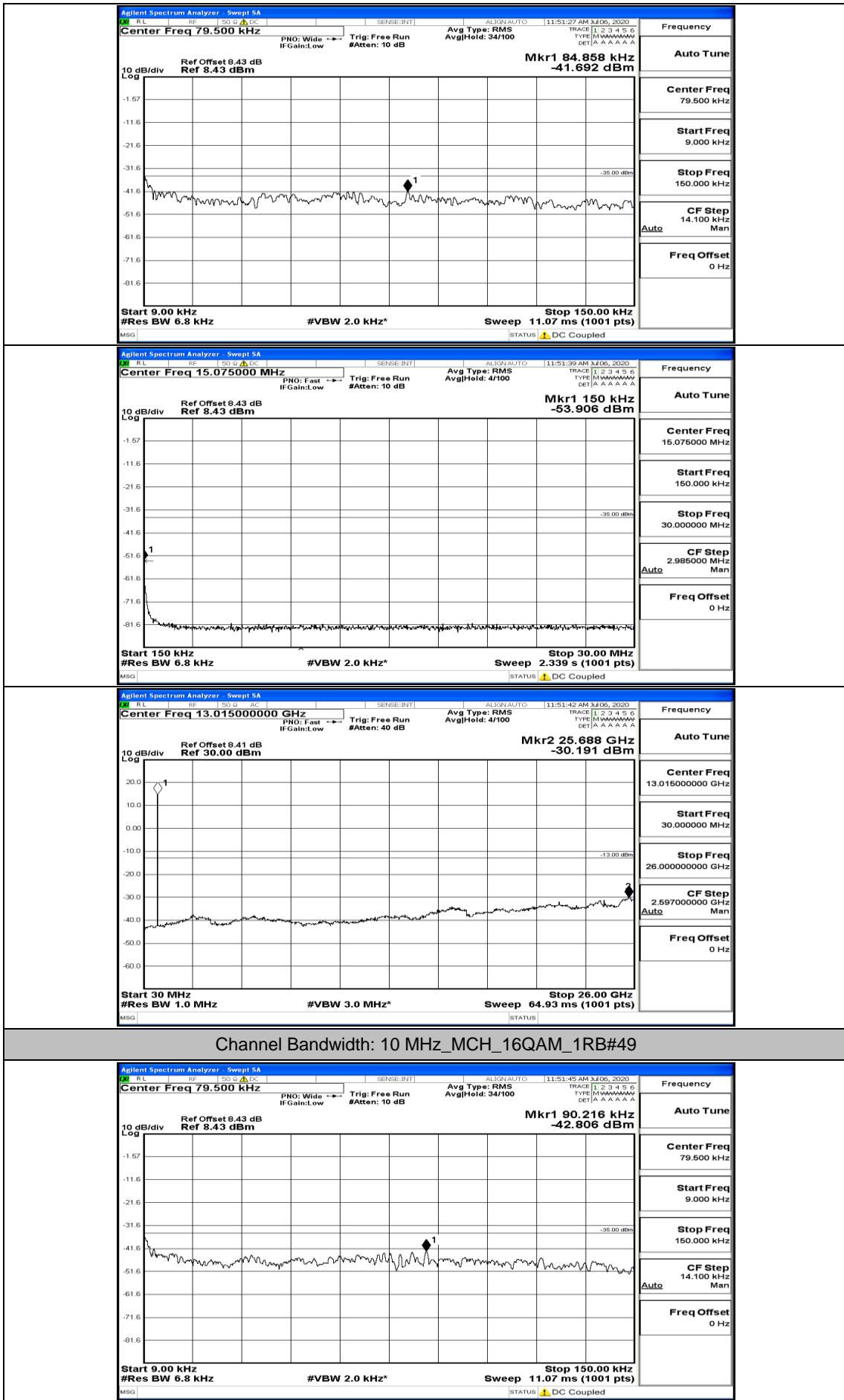


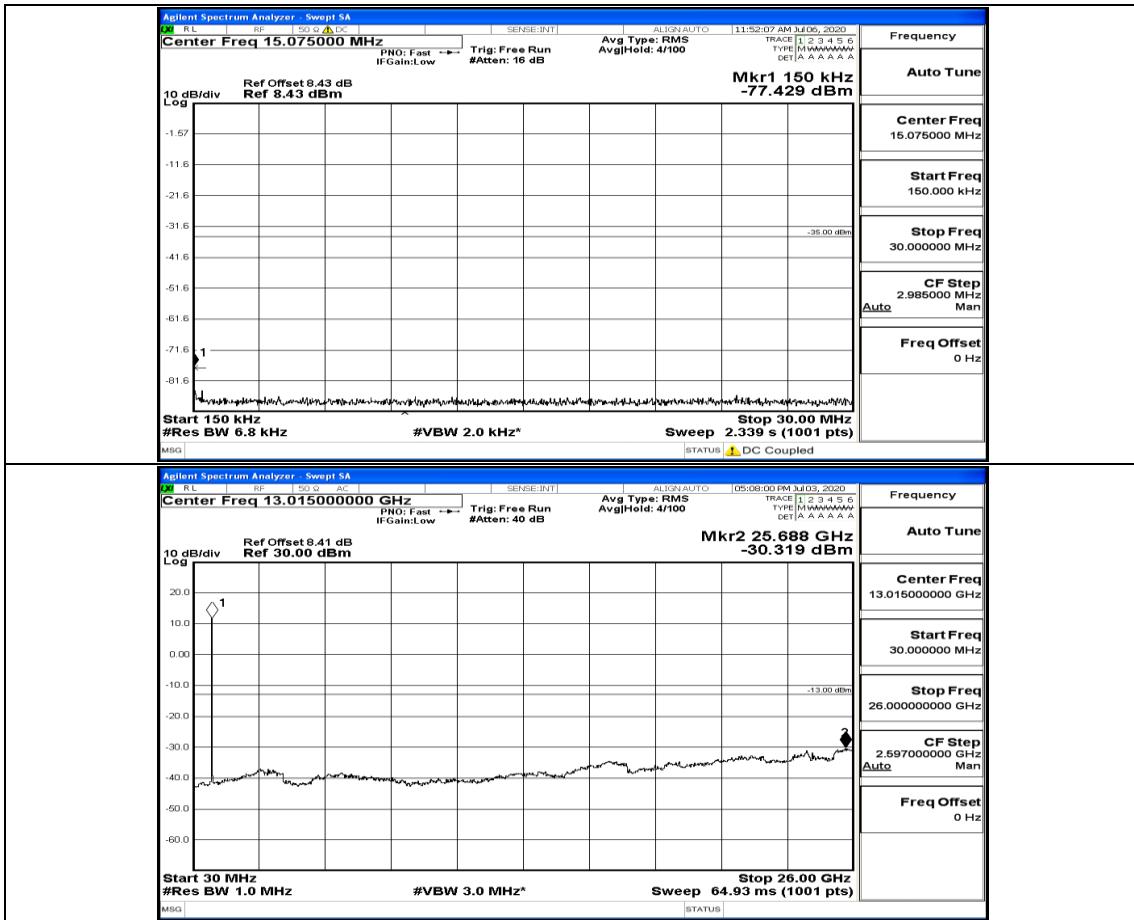


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

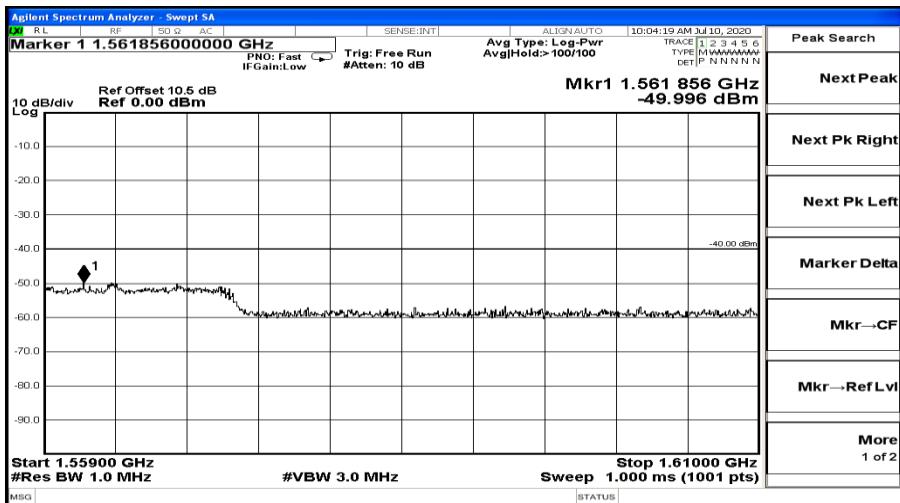


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24





(Channel Bandwidth: 10 MHz)_MCH_QPSK



(Channel Bandwidth: 10 MHz)_MCH_16QAM

