

Appendix F: Test Data for E-UTRA Band 13

Product Name: VOREZA II
Trade Mark: VOREZA
Test Model: VOR2-IEC2-X04

Environmental Conditions

Temperature:	25° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan

F.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]		Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	24.31	23.05	PASS
		1	12	24.66	23.01	PASS
		1	24	24.59	23.00	PASS
		12	0	23.35	22.36	PASS
		12	6	23.33	22.23	PASS
		12	13	23.33	22.23	PASS
		25	0	23.38	22.44	PASS
	MCH	1	0	24.03	22.81	PASS
		1	12	24.54	23.17	PASS
		1	24	24.28	23.09	PASS
		12	0	23.33	22.18	PASS
		12	6	23.56	22.35	PASS
		12	13	23.44	22.41	PASS
		25	0	23.29	22.31	PASS
	HCH	1	0	24.37	23.00	PASS
		1	12	25.28	23.35	PASS
		1	24	24.63	22.88	PASS
		12	0	23.35	22.40	PASS
		12	6	23.54	22.43	PASS
		12	13	23.41	22.39	PASS
		25	0	23.45	22.59	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)

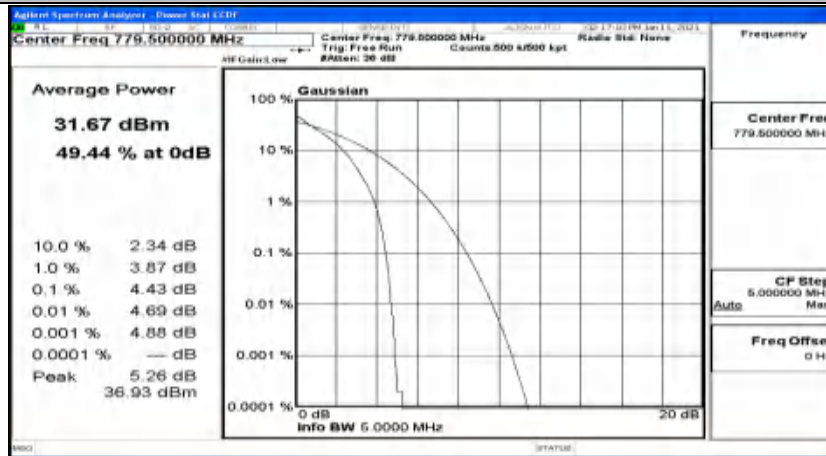
Modulation	Channel	RB Configuration		Average Power [dBm]		Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	MCH	1	0	24.07	23.40	PASS
		1	24	24.52	24.42	PASS
		1	49	24.28	24.40	PASS
		25	0	23.35	22.26	PASS
		25	12	23.42	22.48	PASS
		25	25	23.49	22.55	PASS
		50	0	23.44	22.47	PASS

F.2 Peak-to-Average Ratio

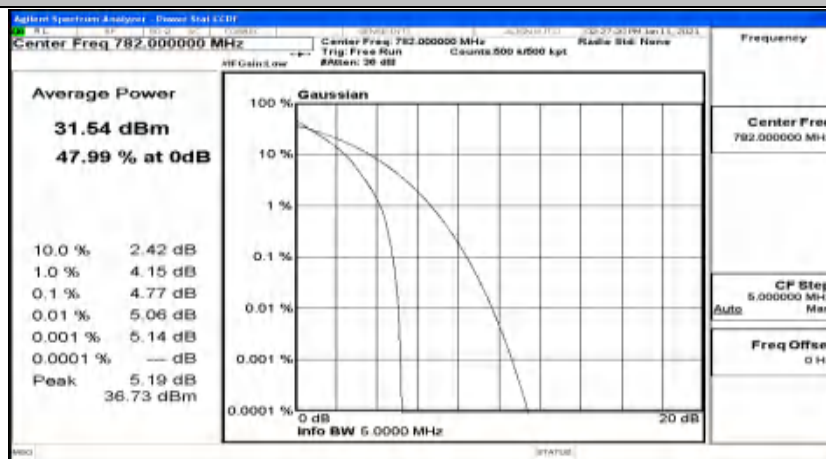
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.43	<13	PASS
	MCH	4.77	<13	PASS
	HCH	4.66	<13	PASS
16QAM	LCH	5.24	<13	PASS
	MCH	5.56	<13	PASS
	HCH	5.43	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	MCH	4.68	<13	PASS
16QAM	LCH	4.62	<13	PASS

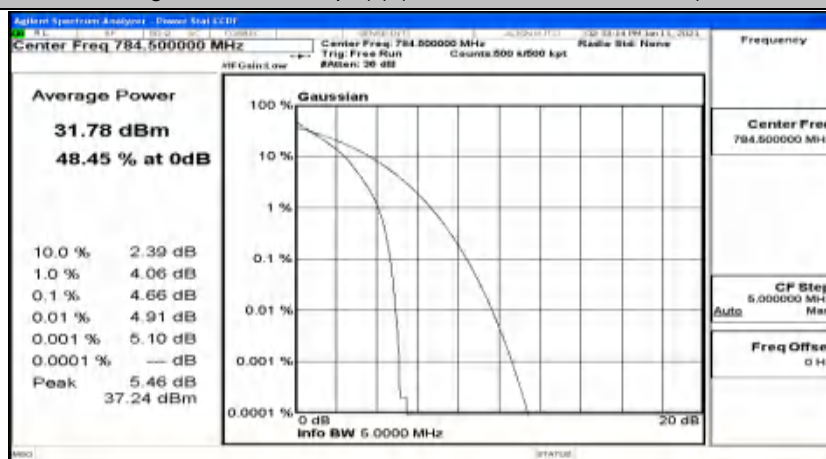
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



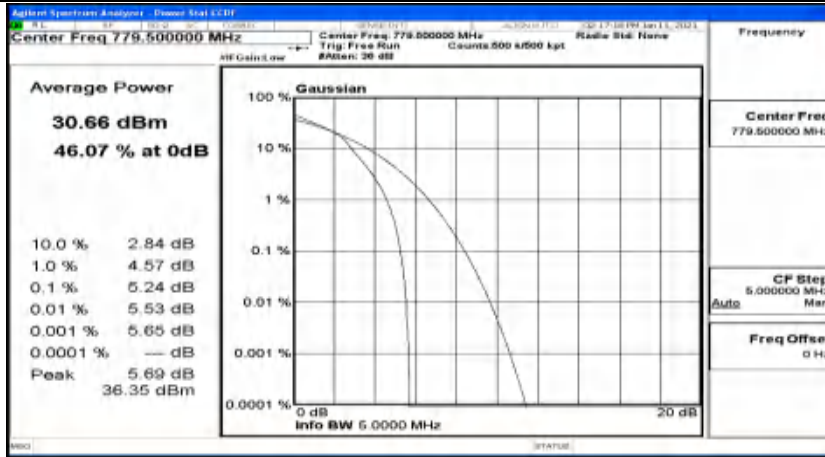
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



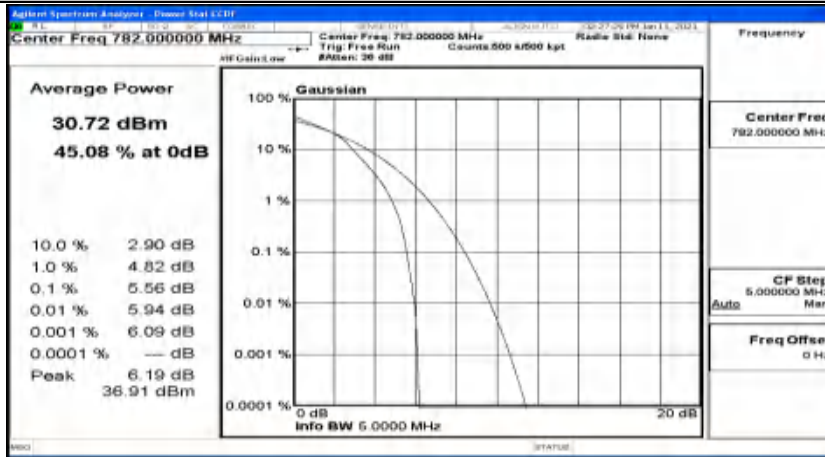
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



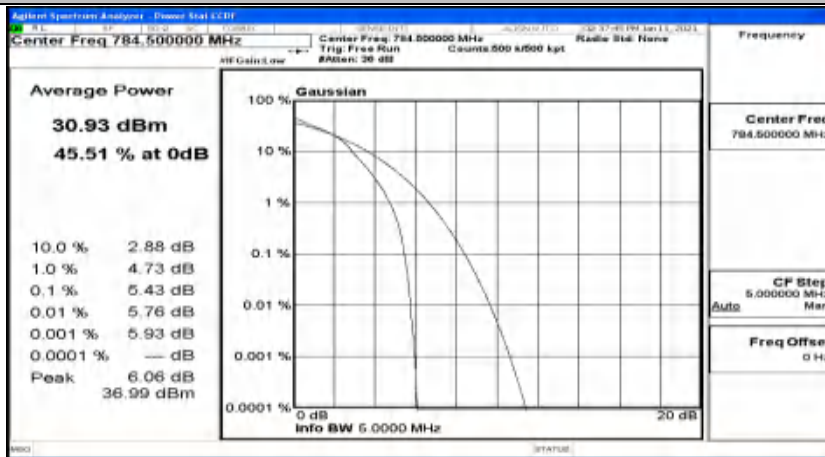
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



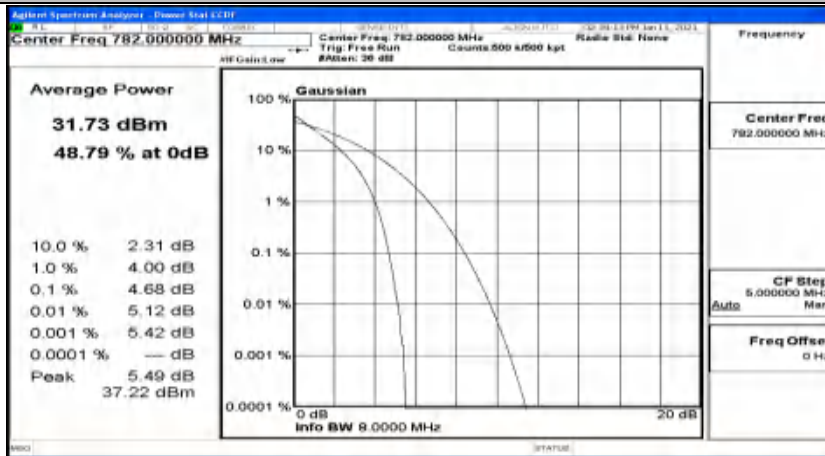
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



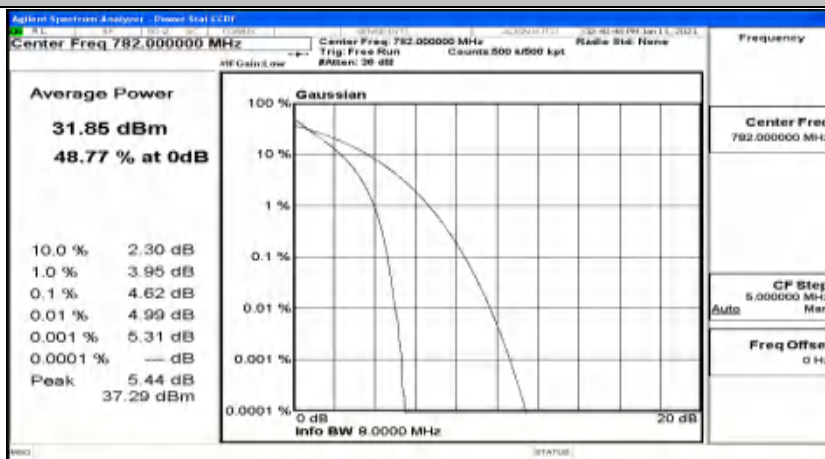
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



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

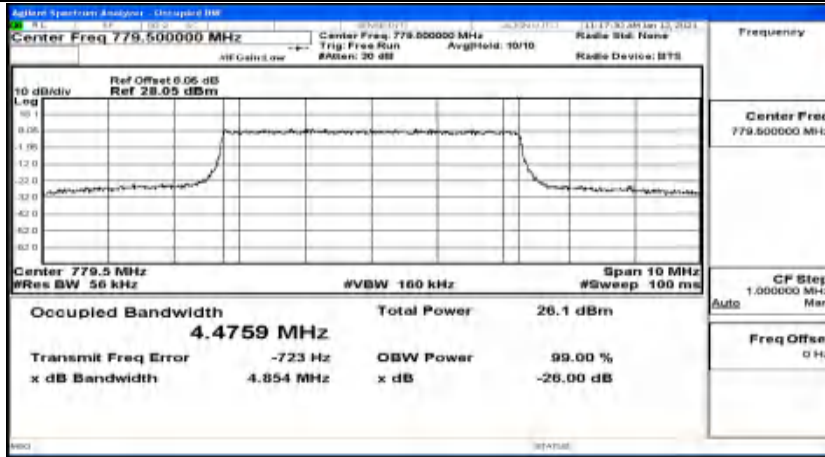


F.3 26dB Bandwidth and Occupied Bandwidth

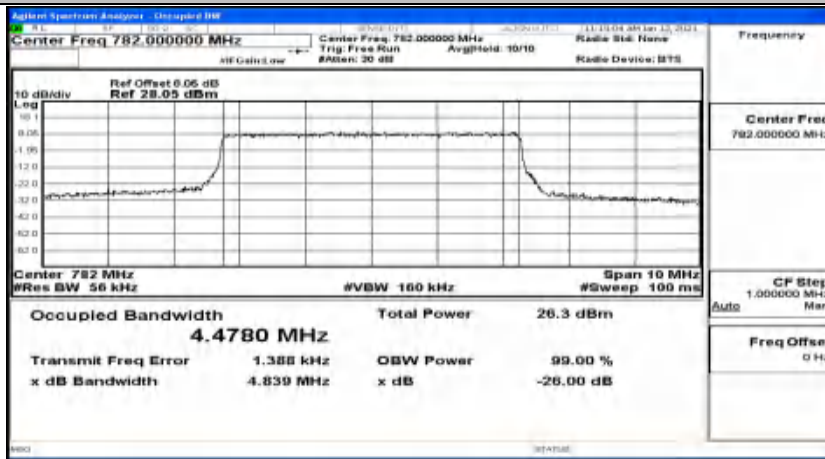
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4759	4.854	PASS
	MCH	4.4780	4.839	PASS
	HCH	4.4692	4.800	PASS
16QAM	LCH	4.4793	4.828	PASS
	MCH	4.4725	4.788	PASS
	HCH	4.4688	4.790	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	MCH	8.9395	9.464	PASS
16QAM	MCH	8.9228	9.472	PASS

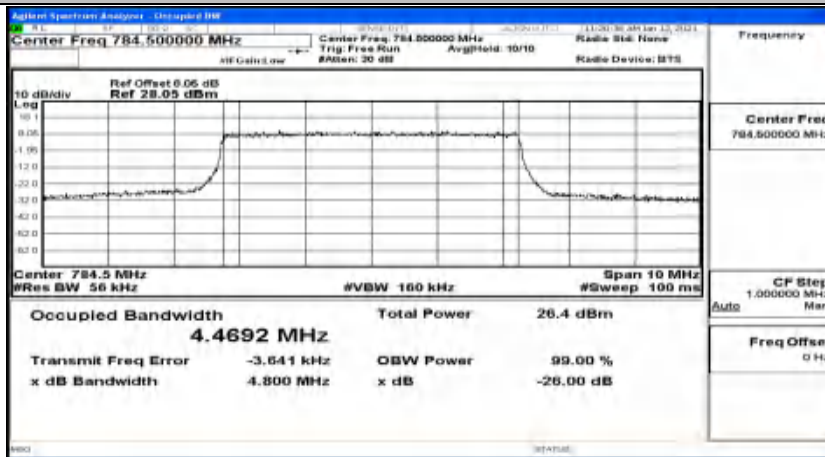
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



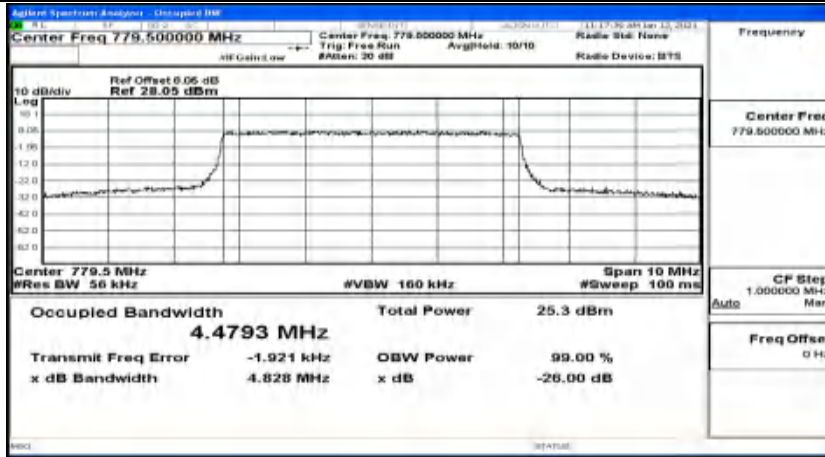
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



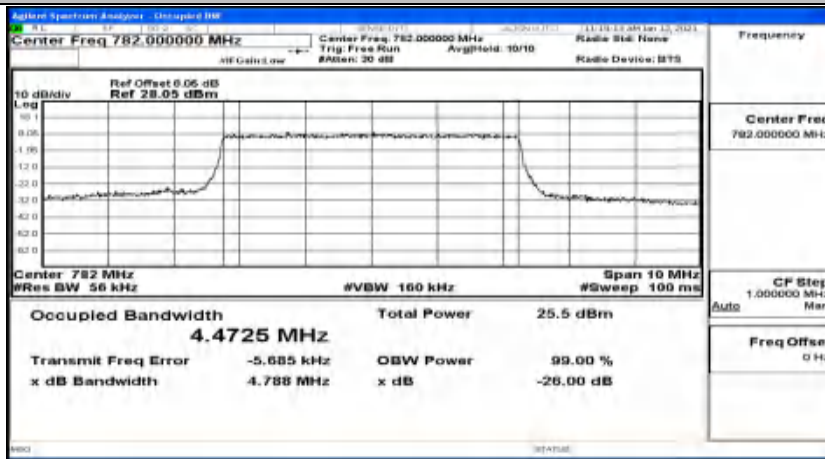
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



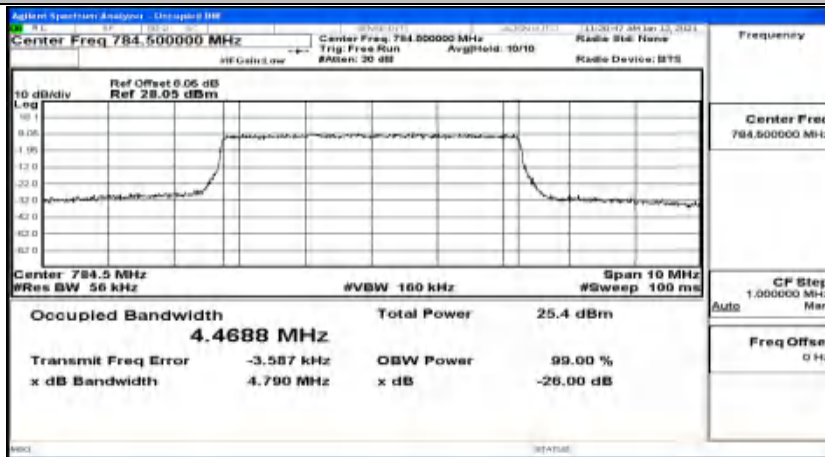
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



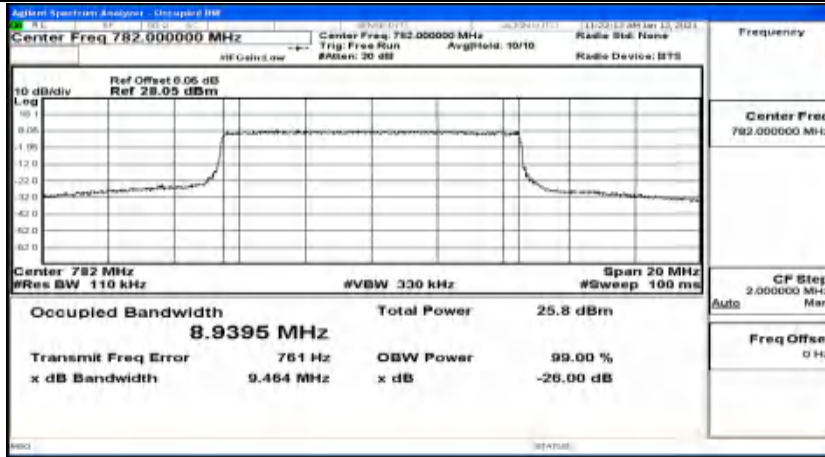
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



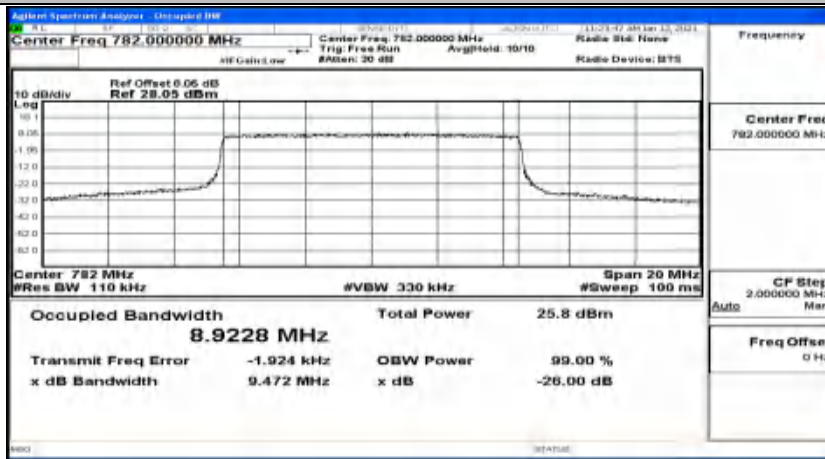
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



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

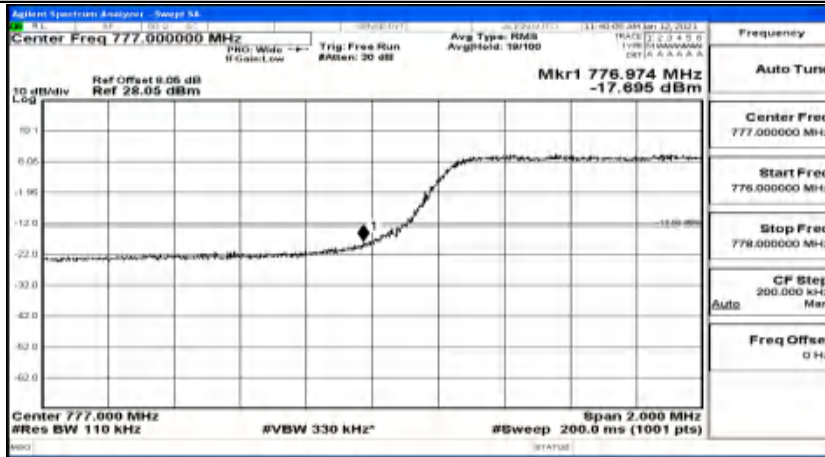


EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



F.4 Band Edge

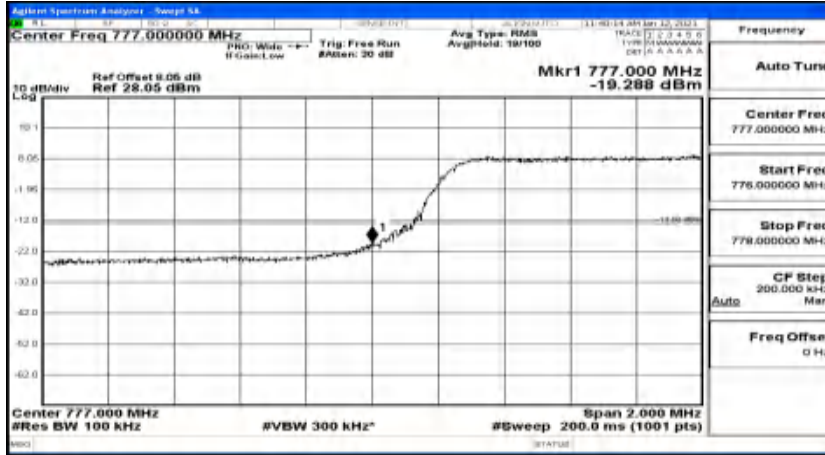
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



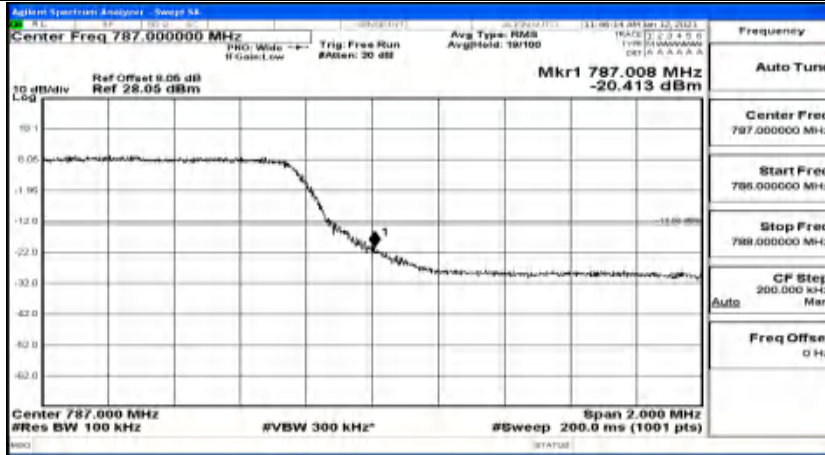
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



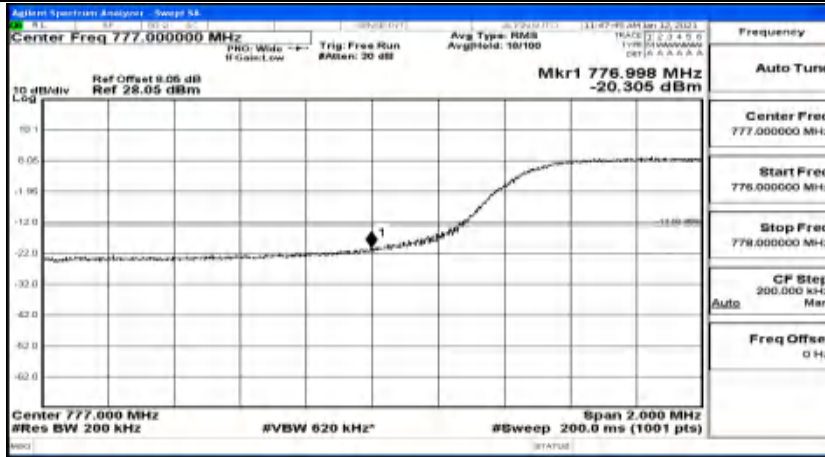
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



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



Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK-L



Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK-R



Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM-L

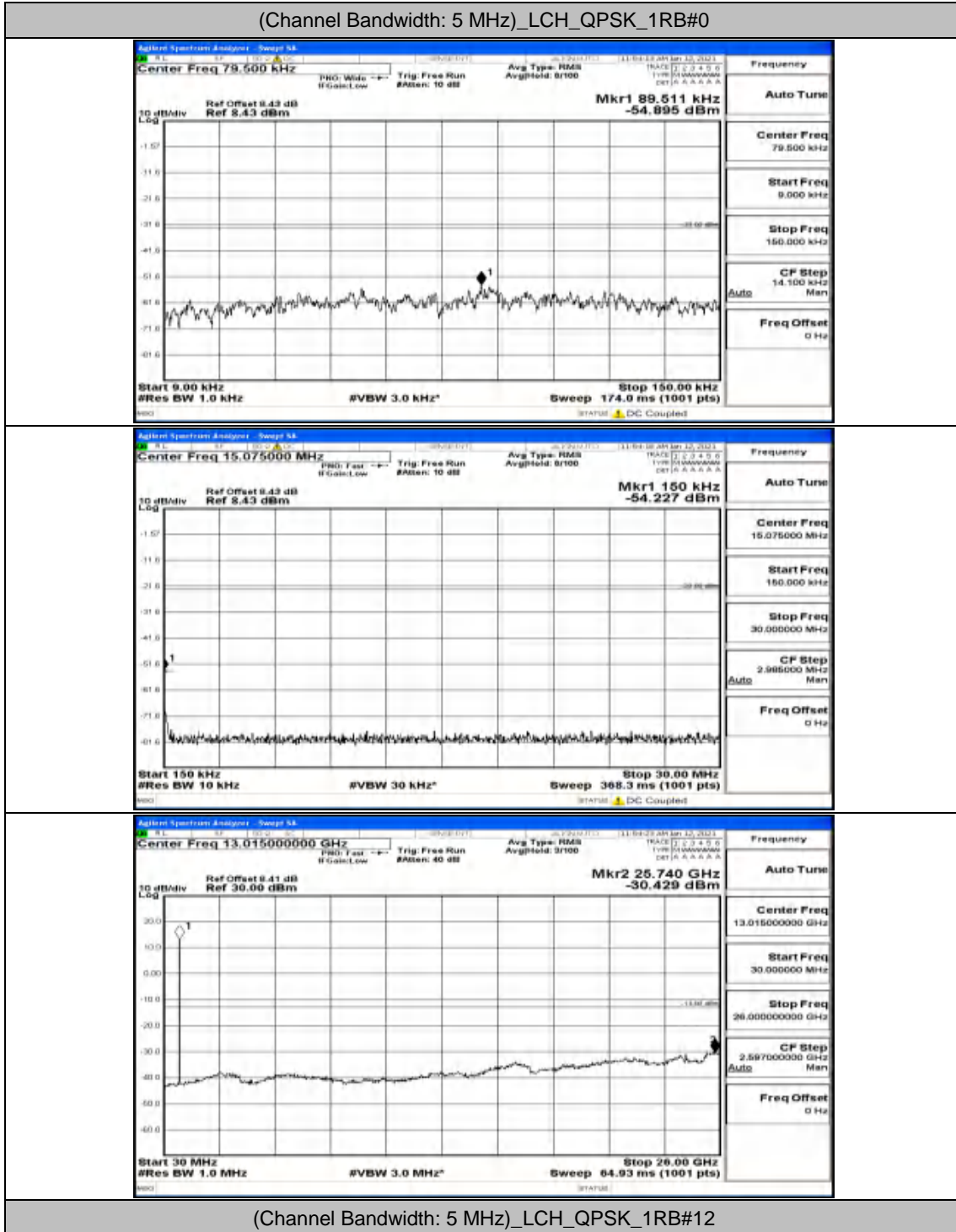


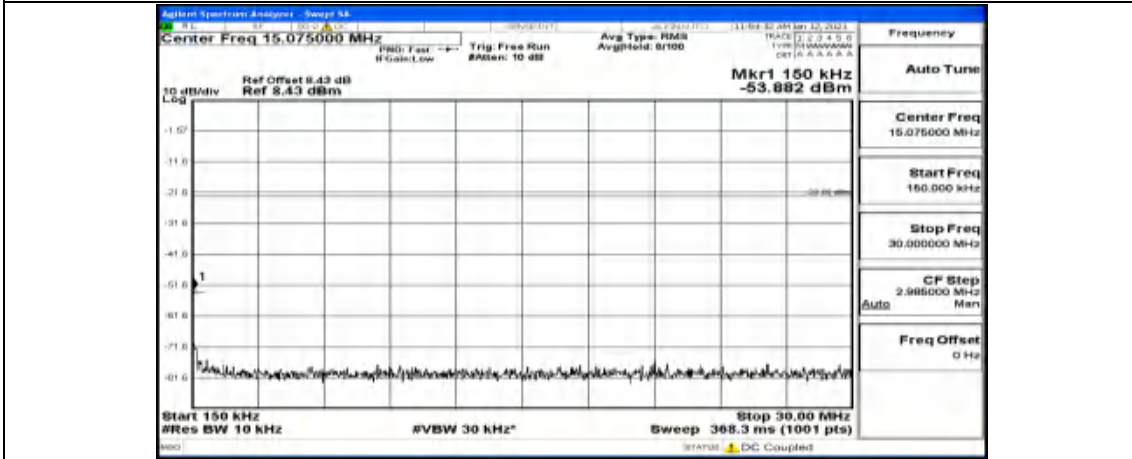
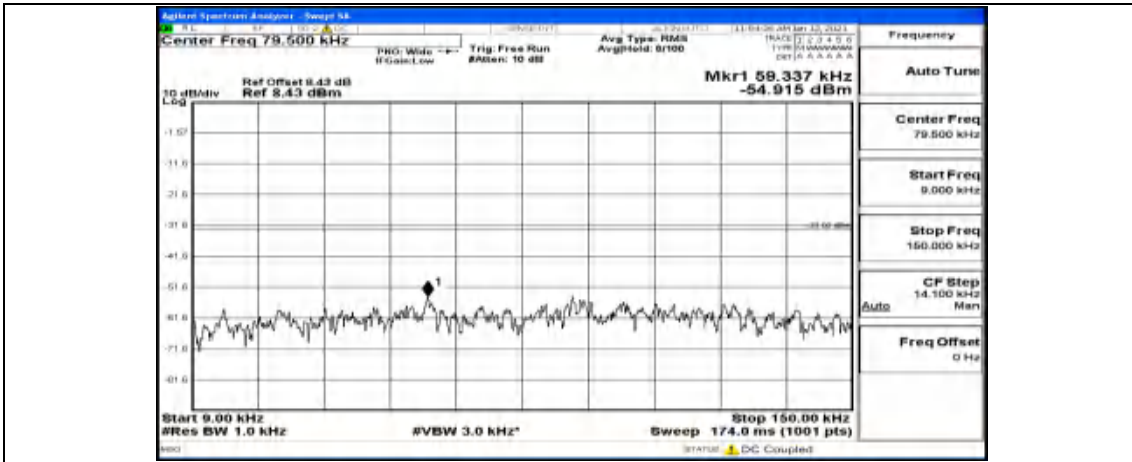
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM-M



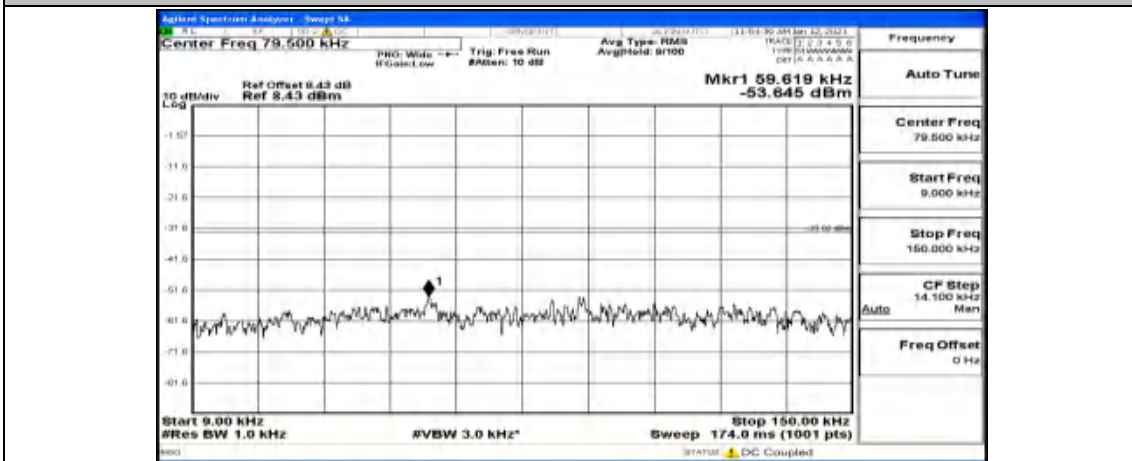
F.5: Conducted Spurious Emission

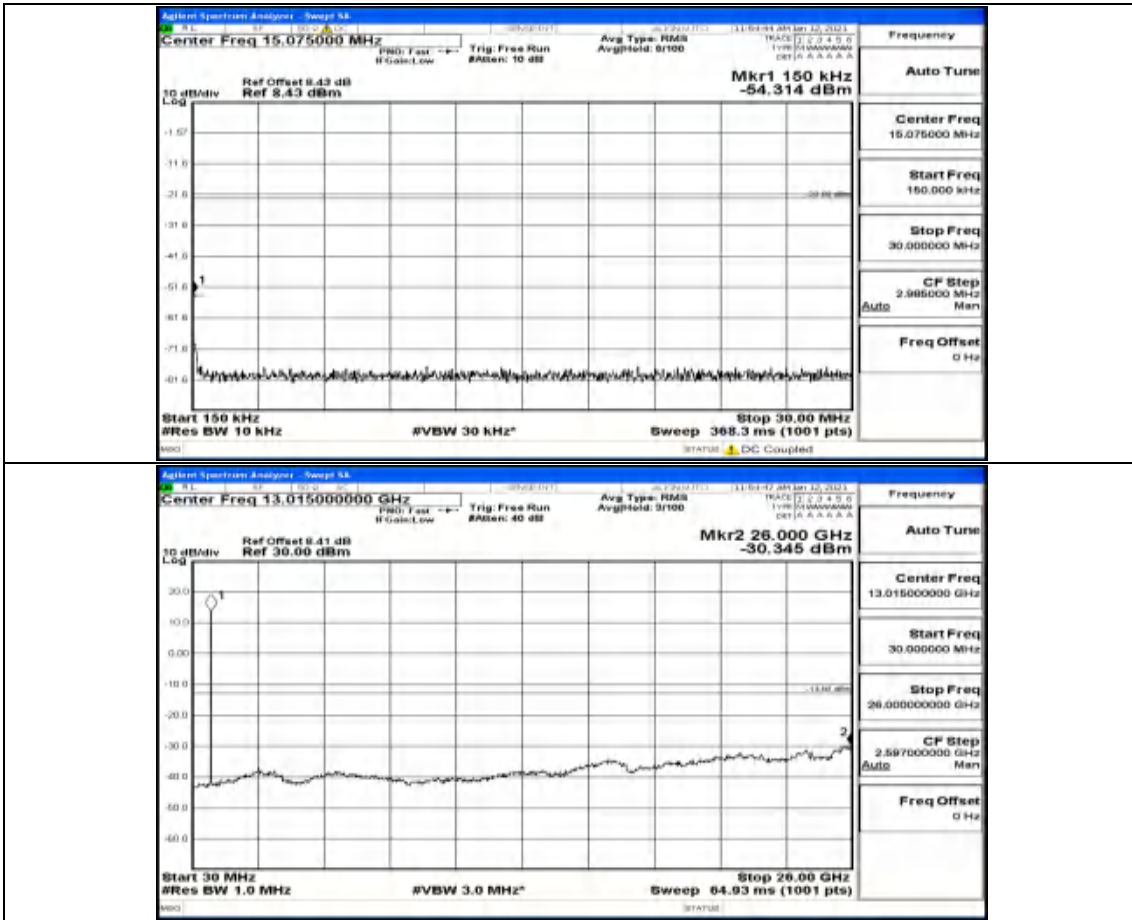
Channel Bandwidth: 5 MHz



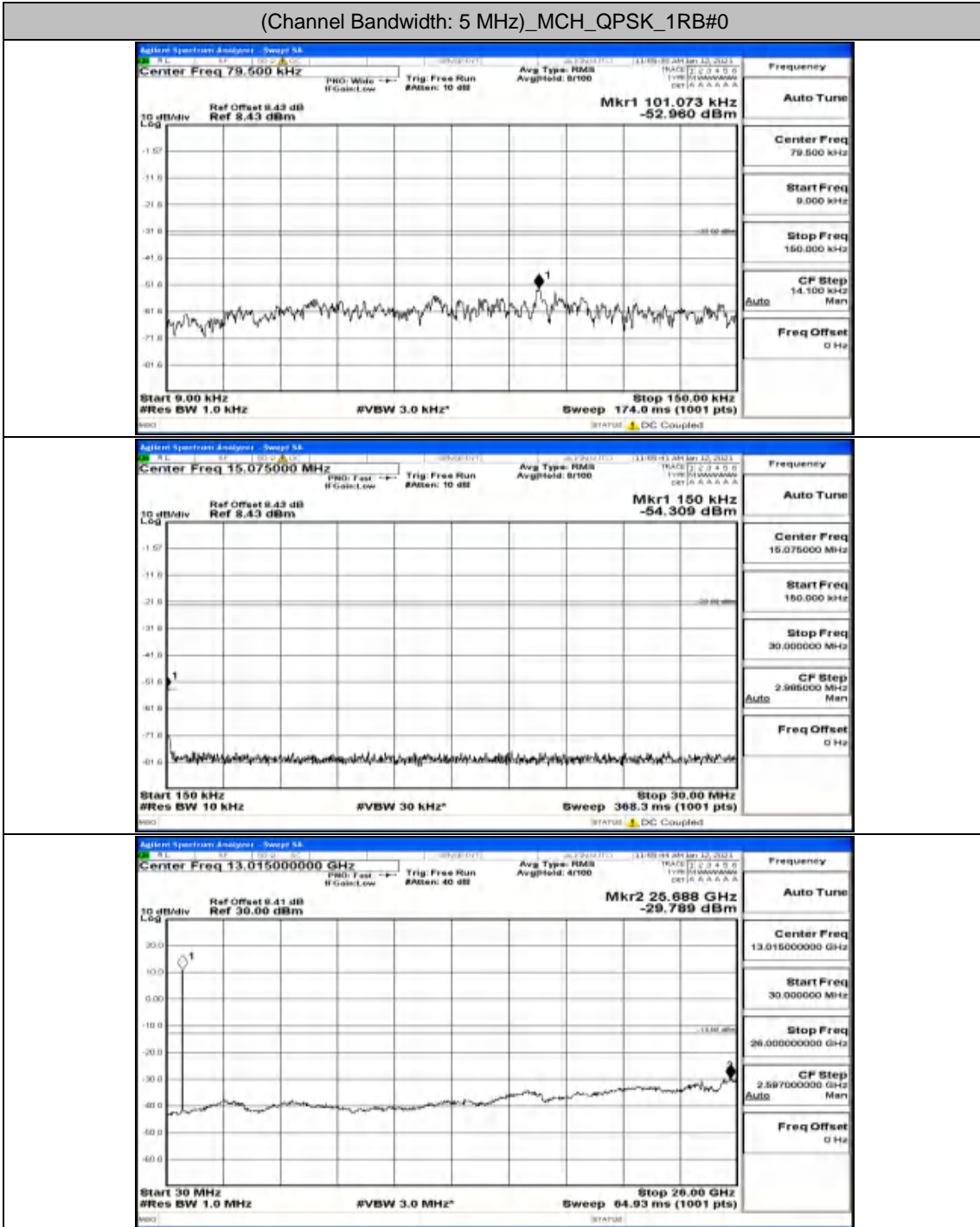


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

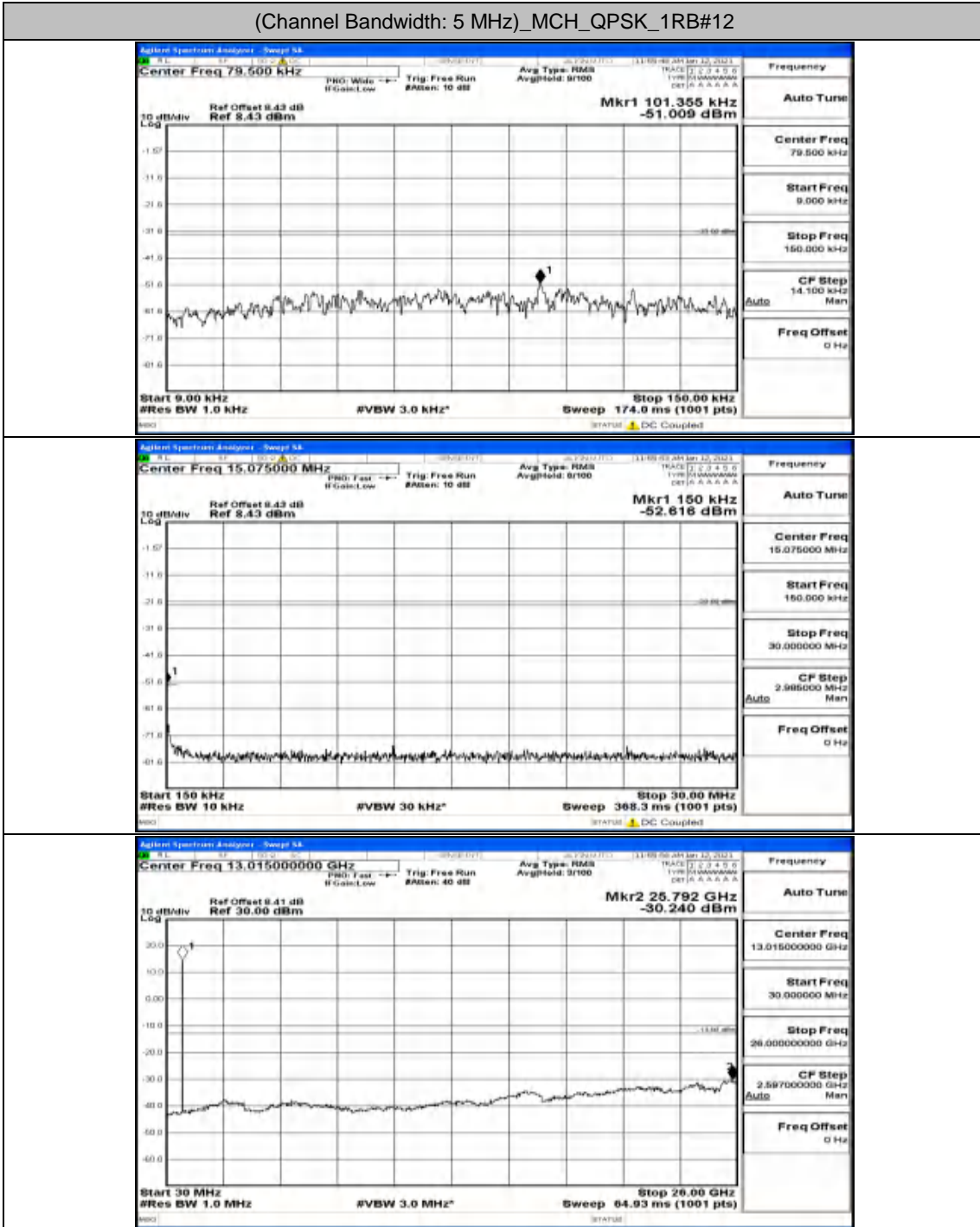




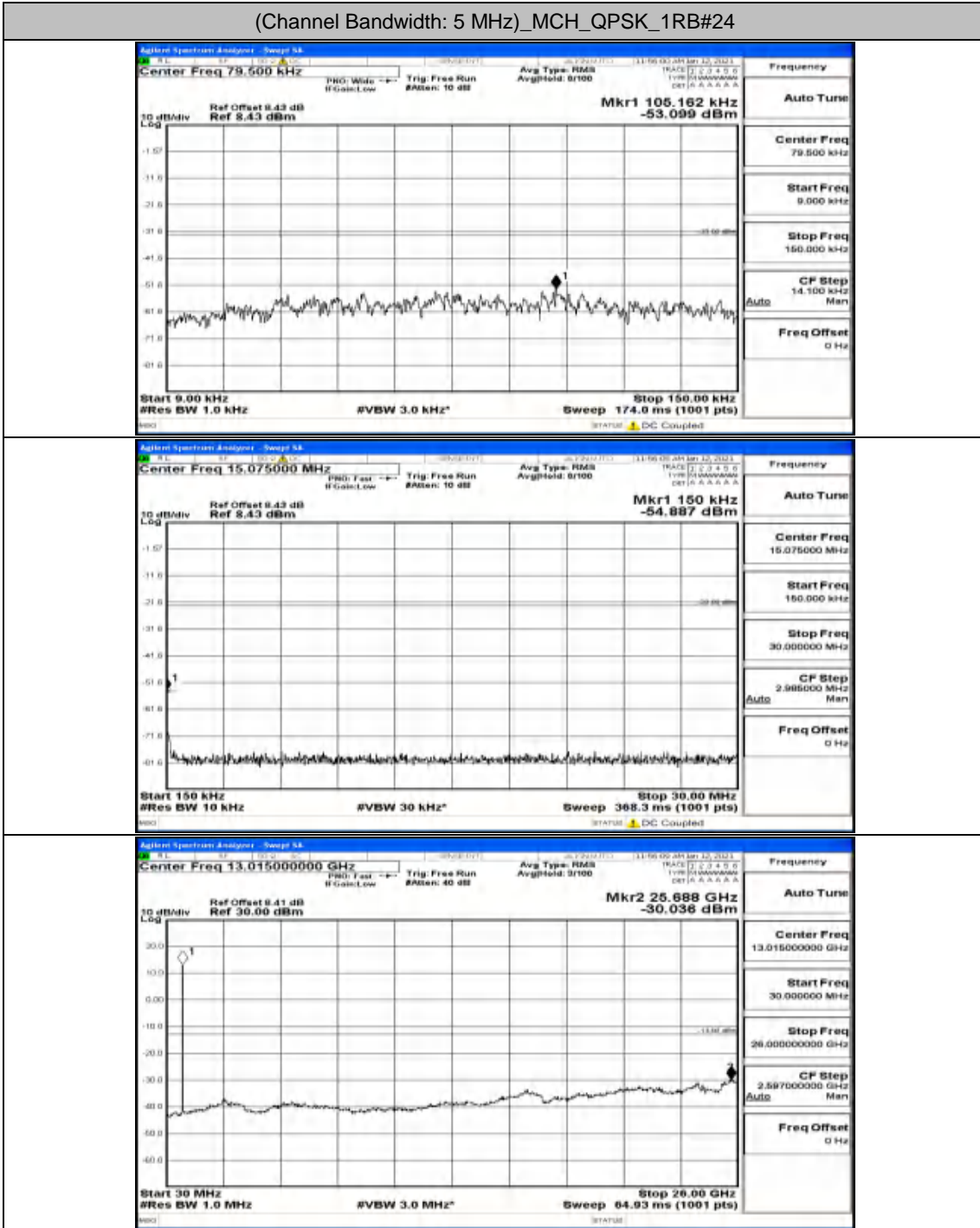
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



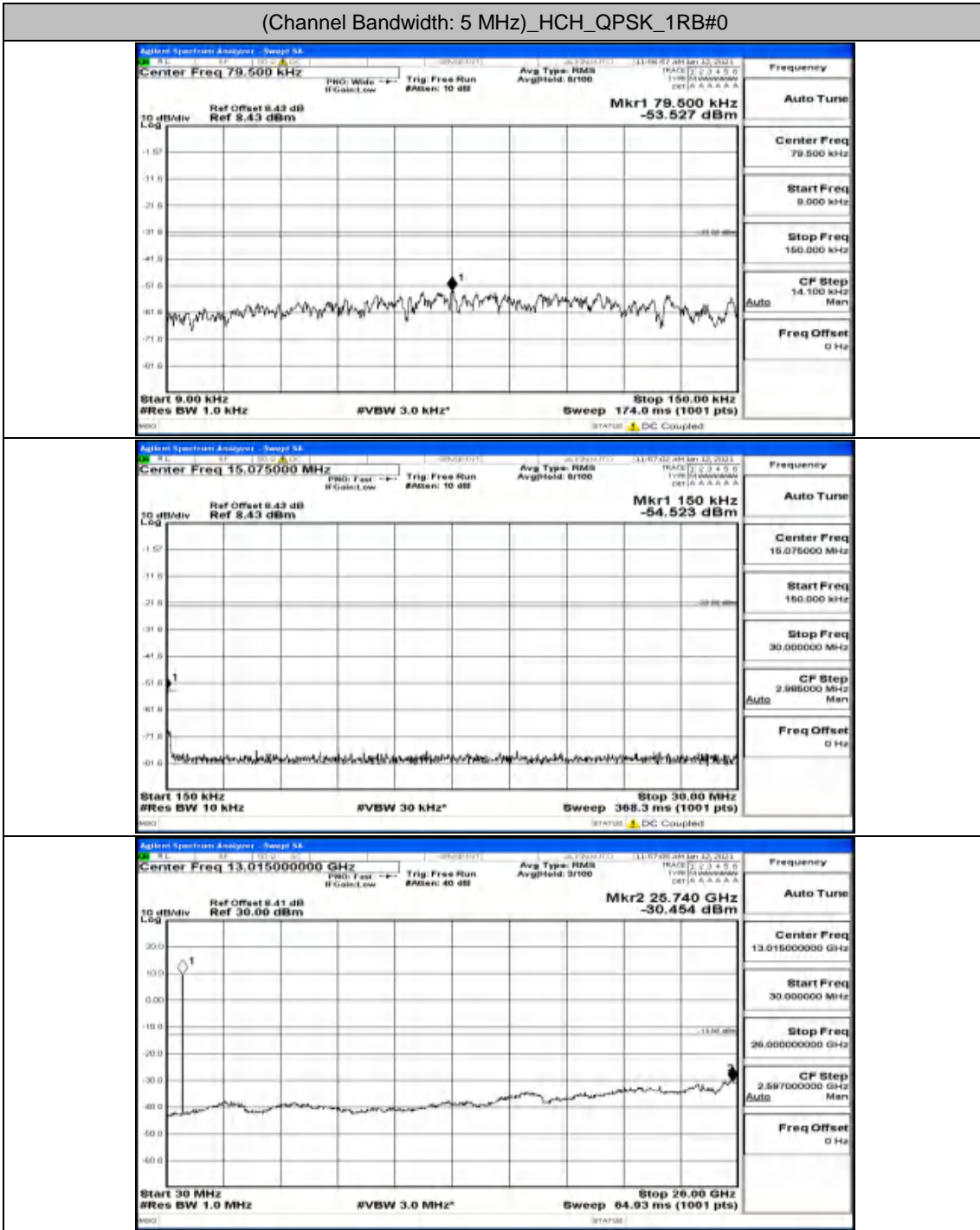
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



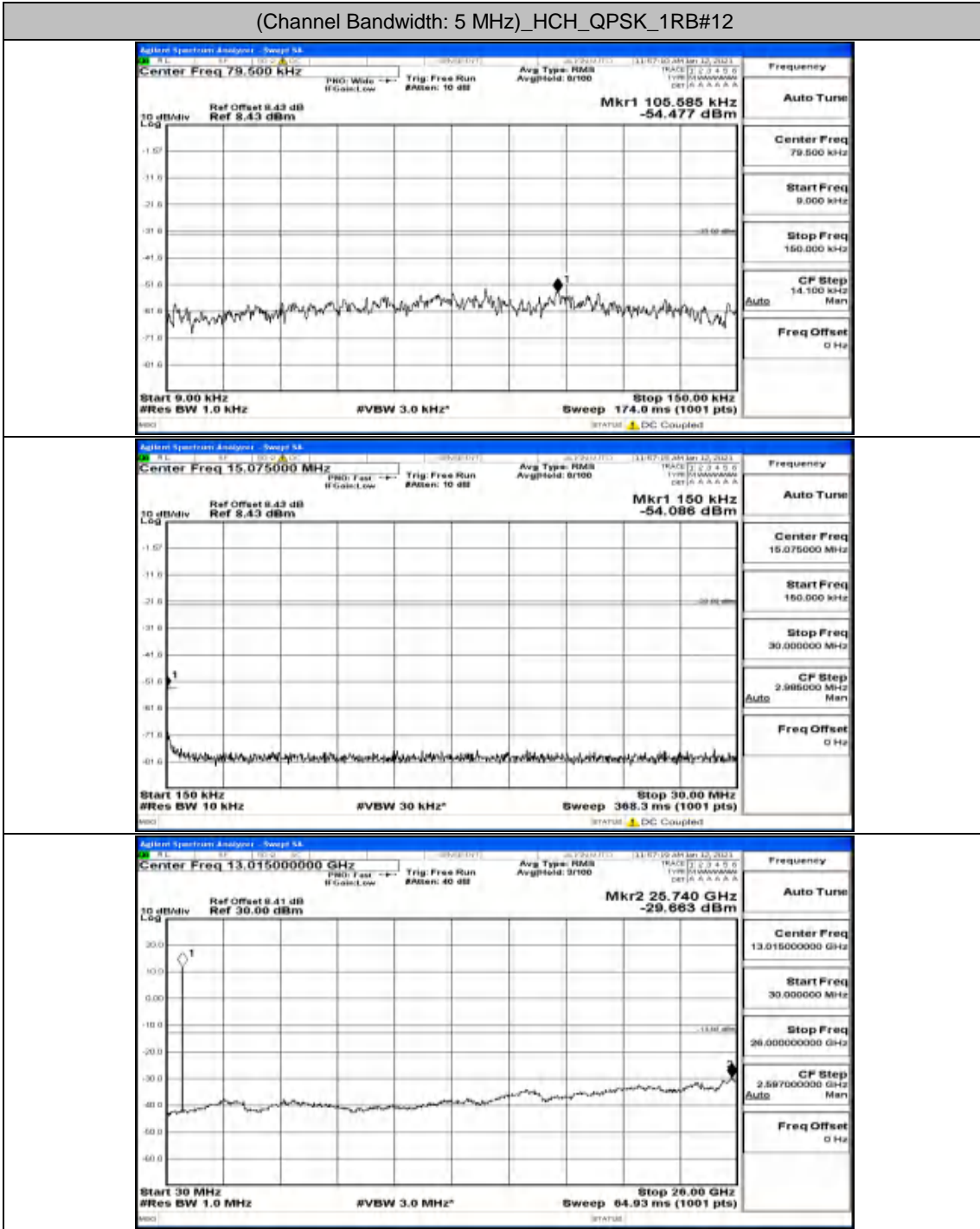
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



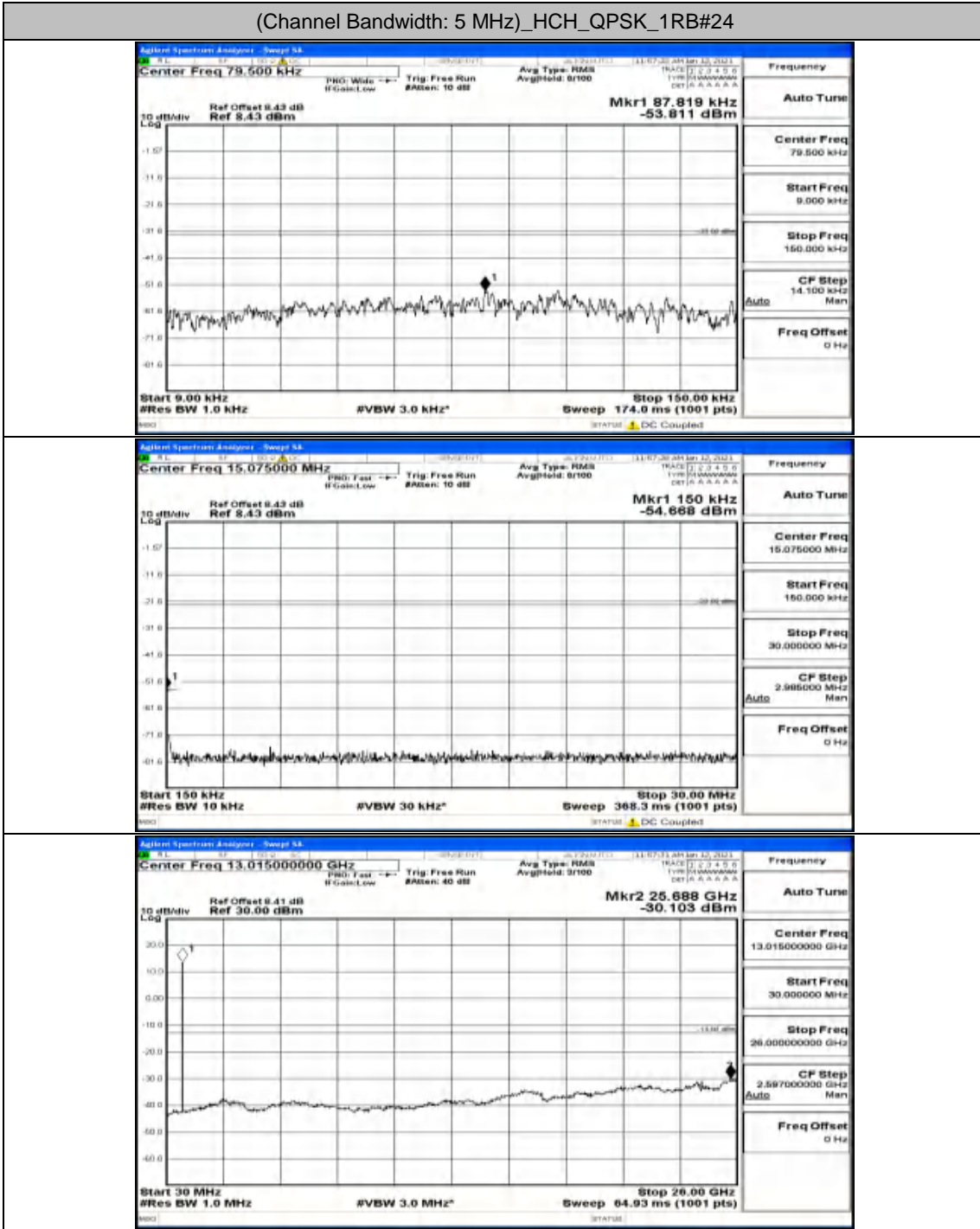
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



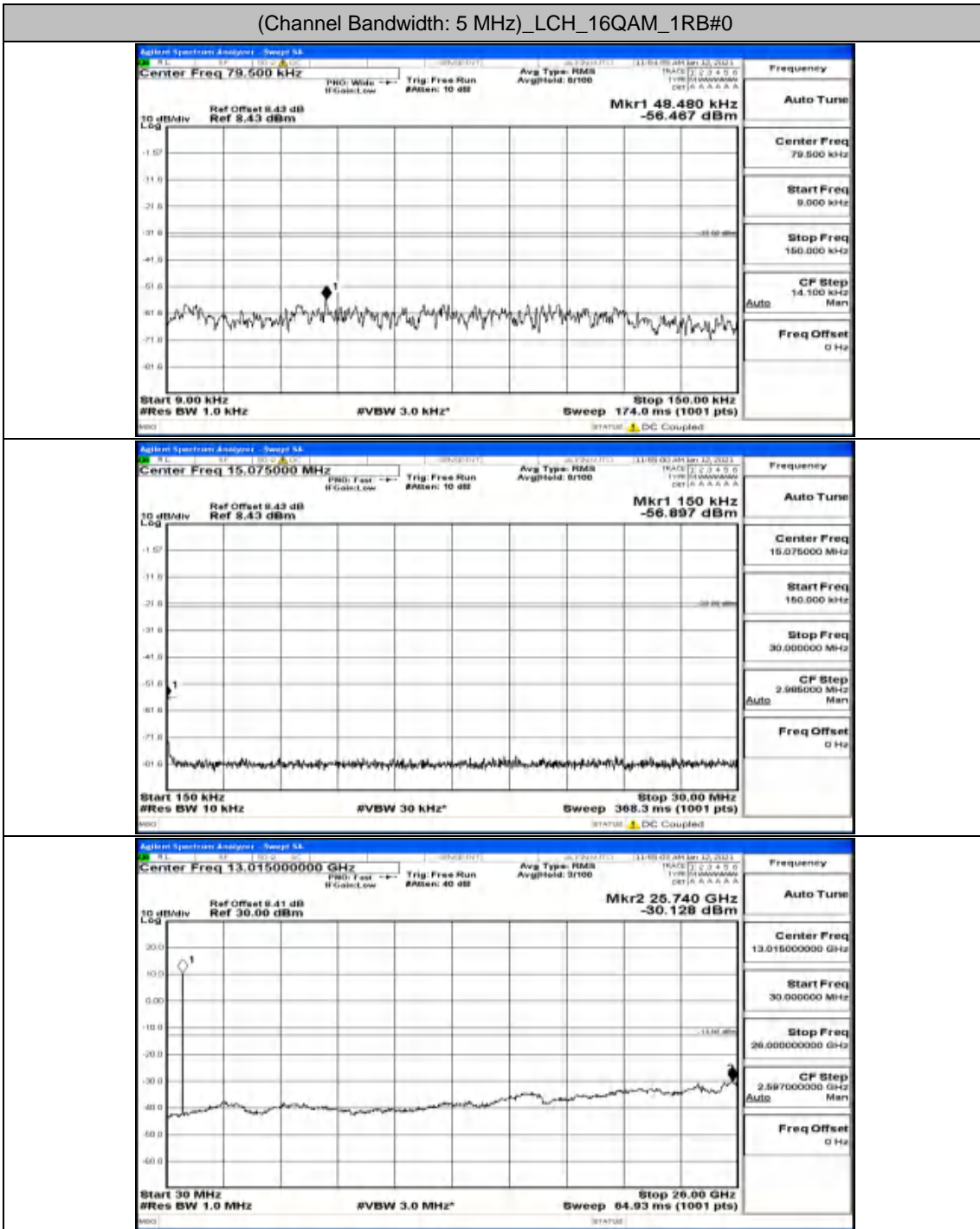
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



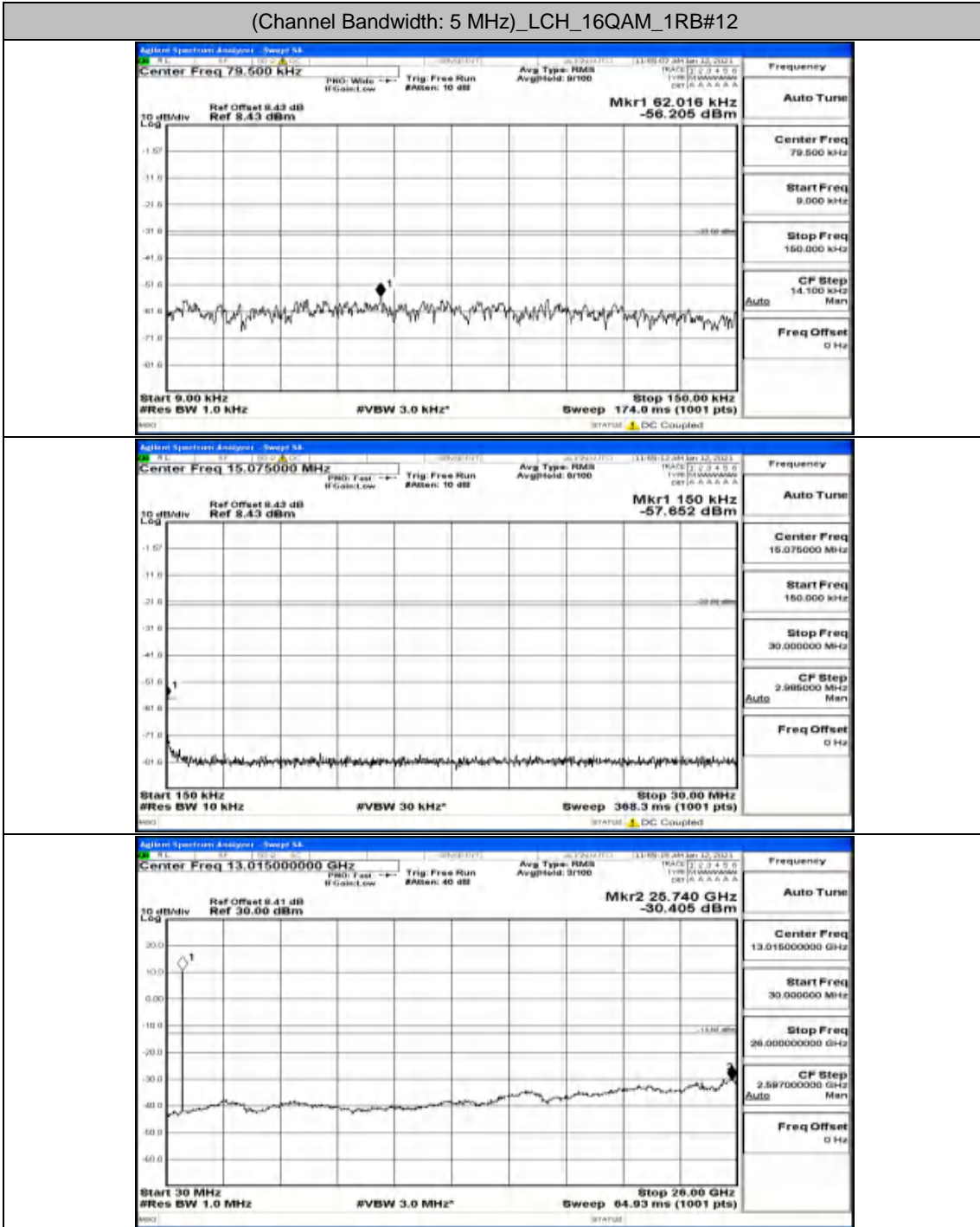
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



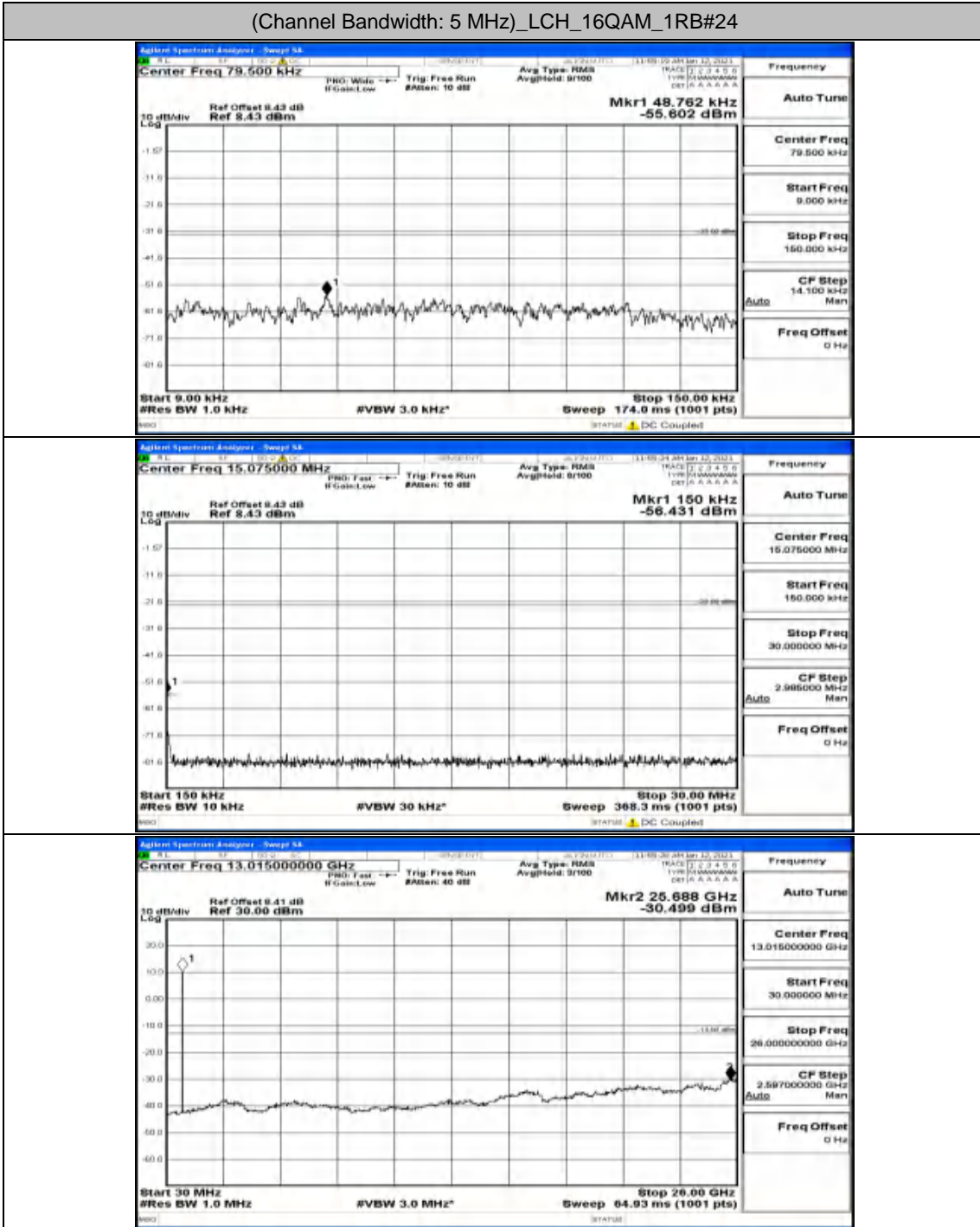
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



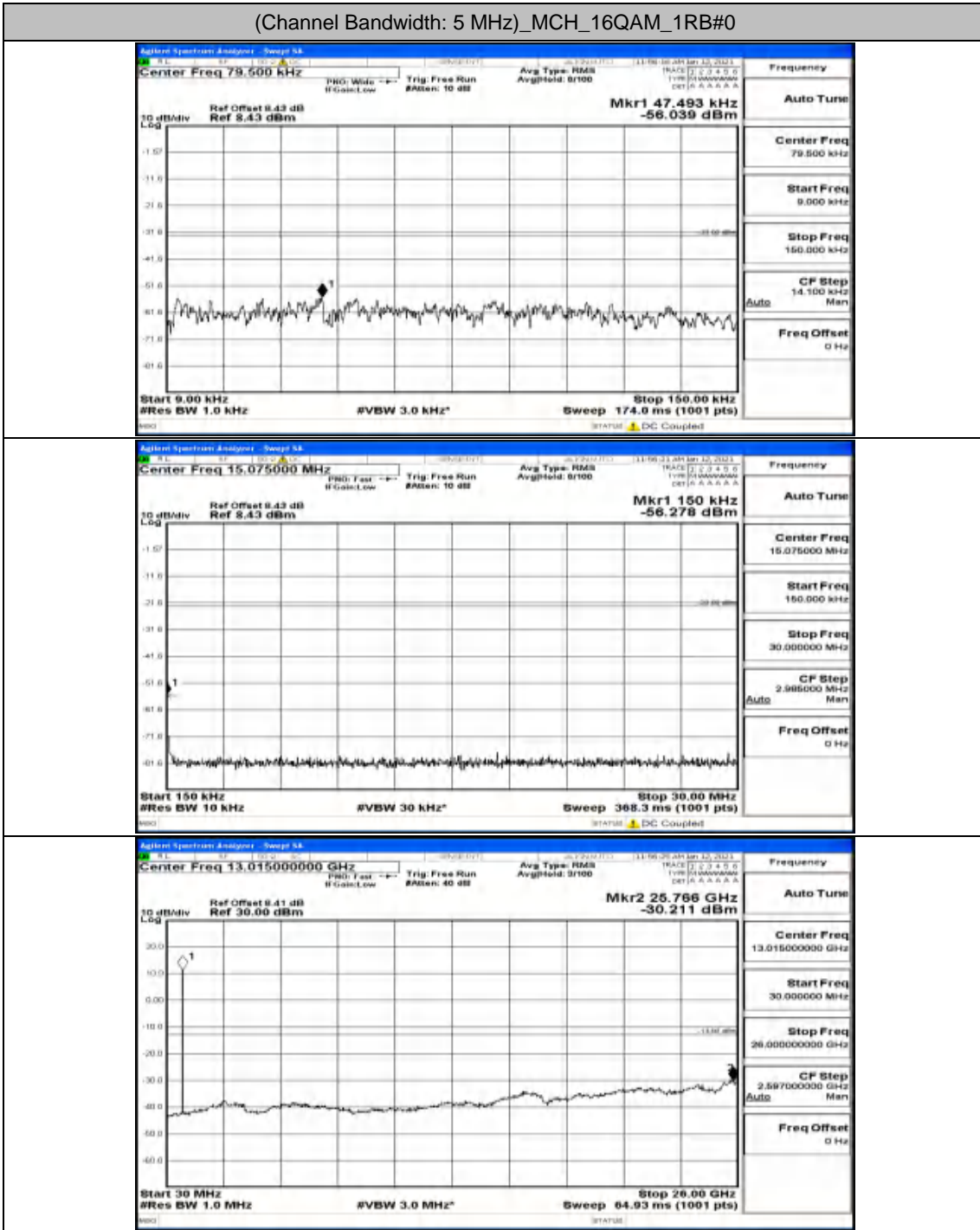
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



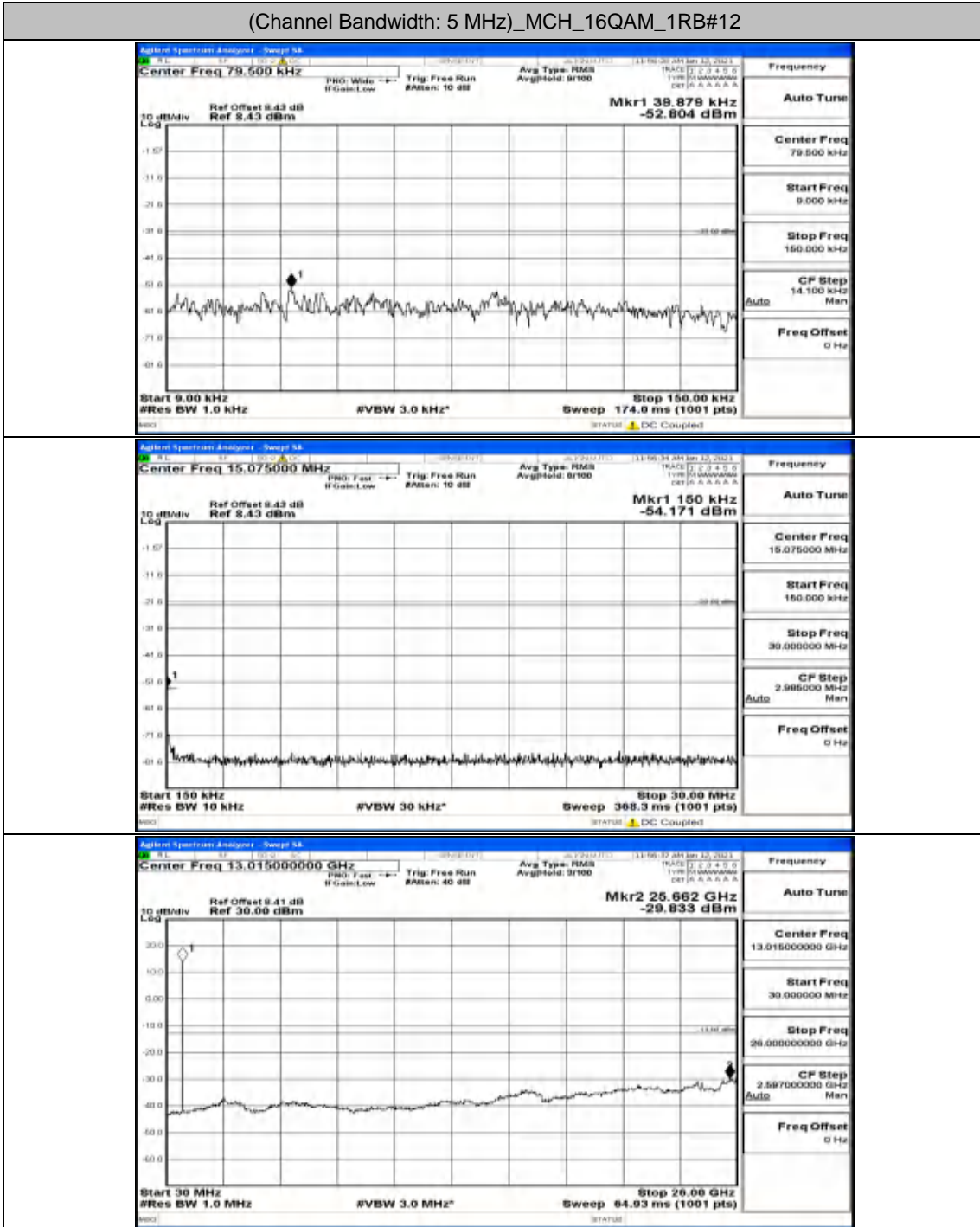
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



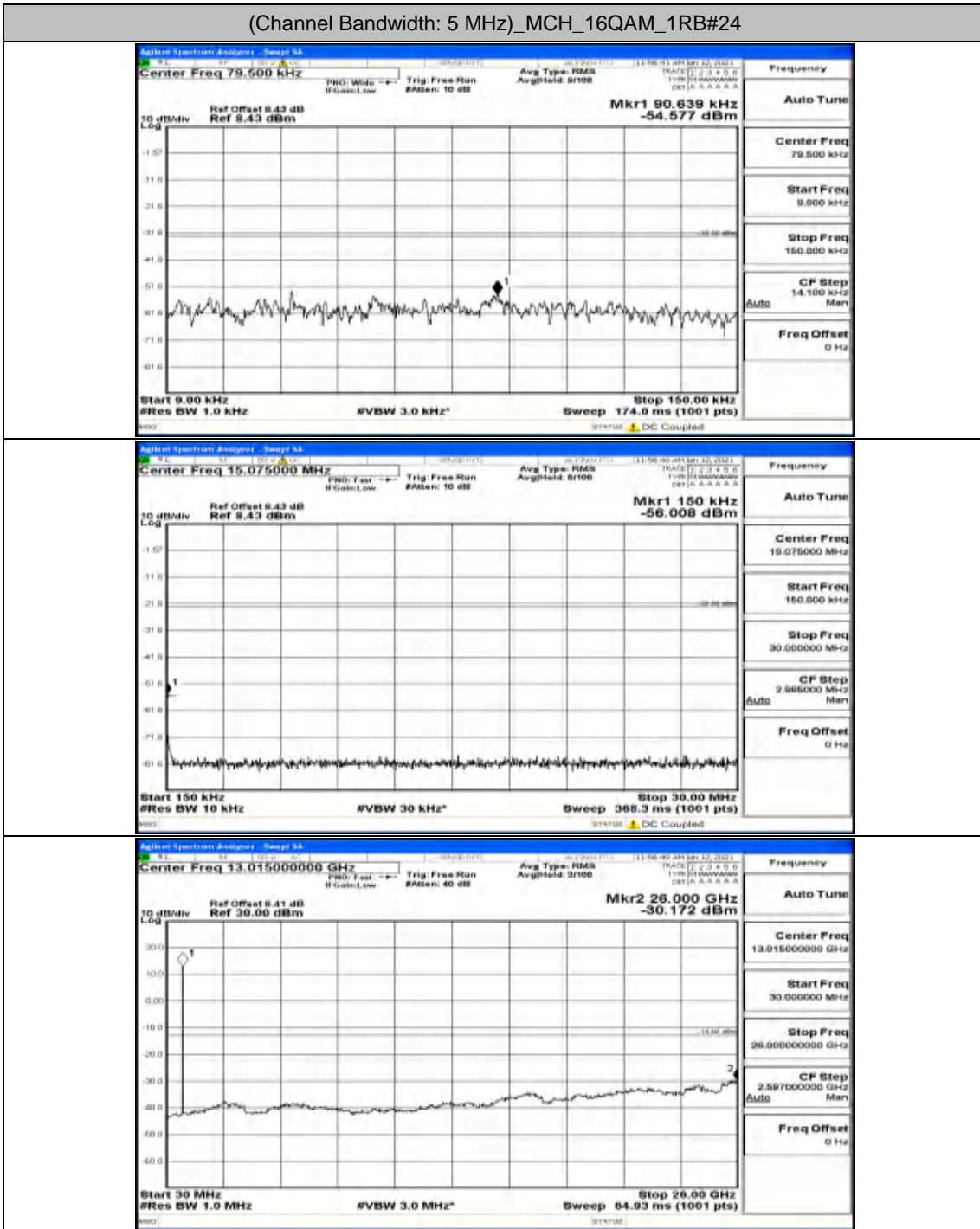
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



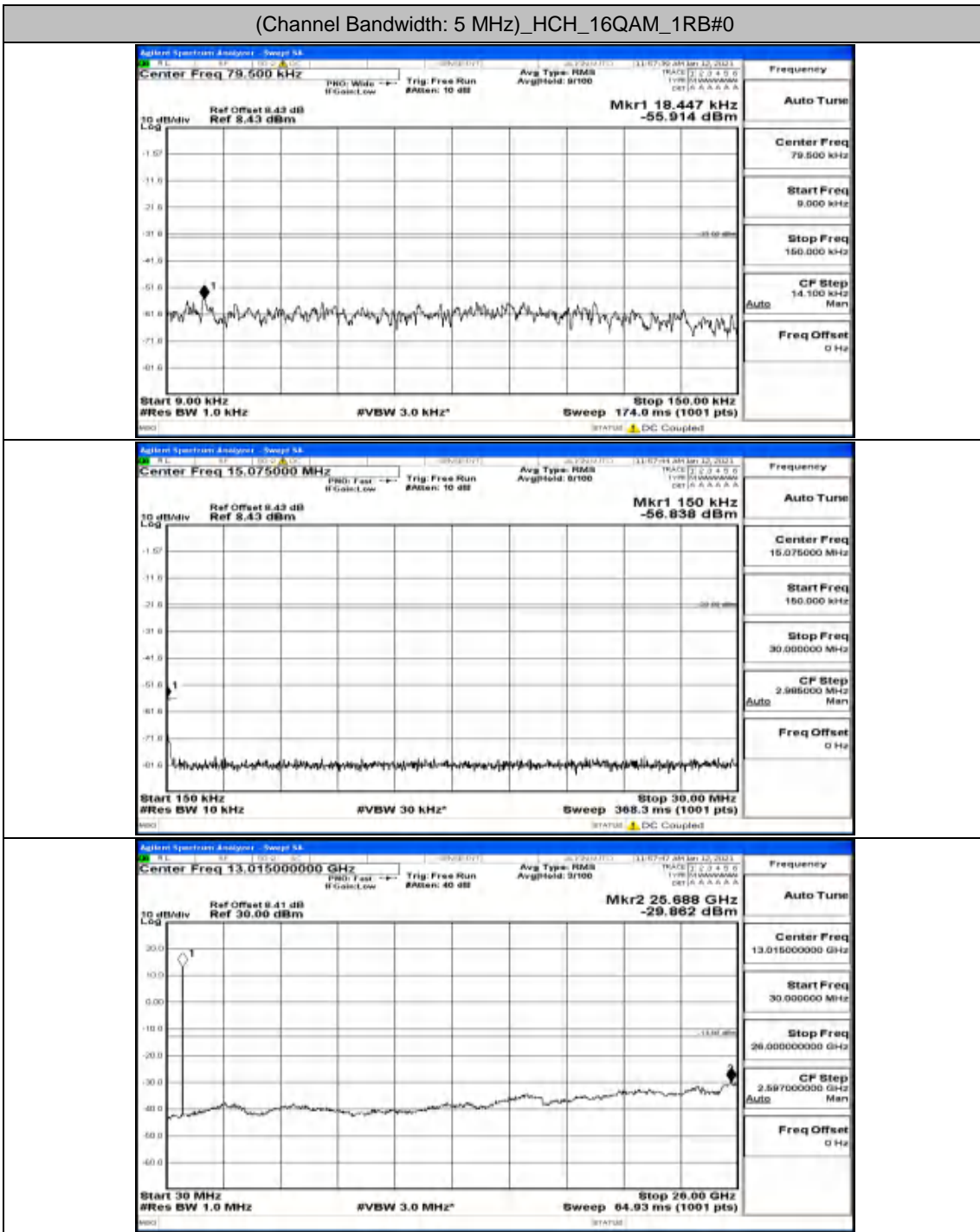
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



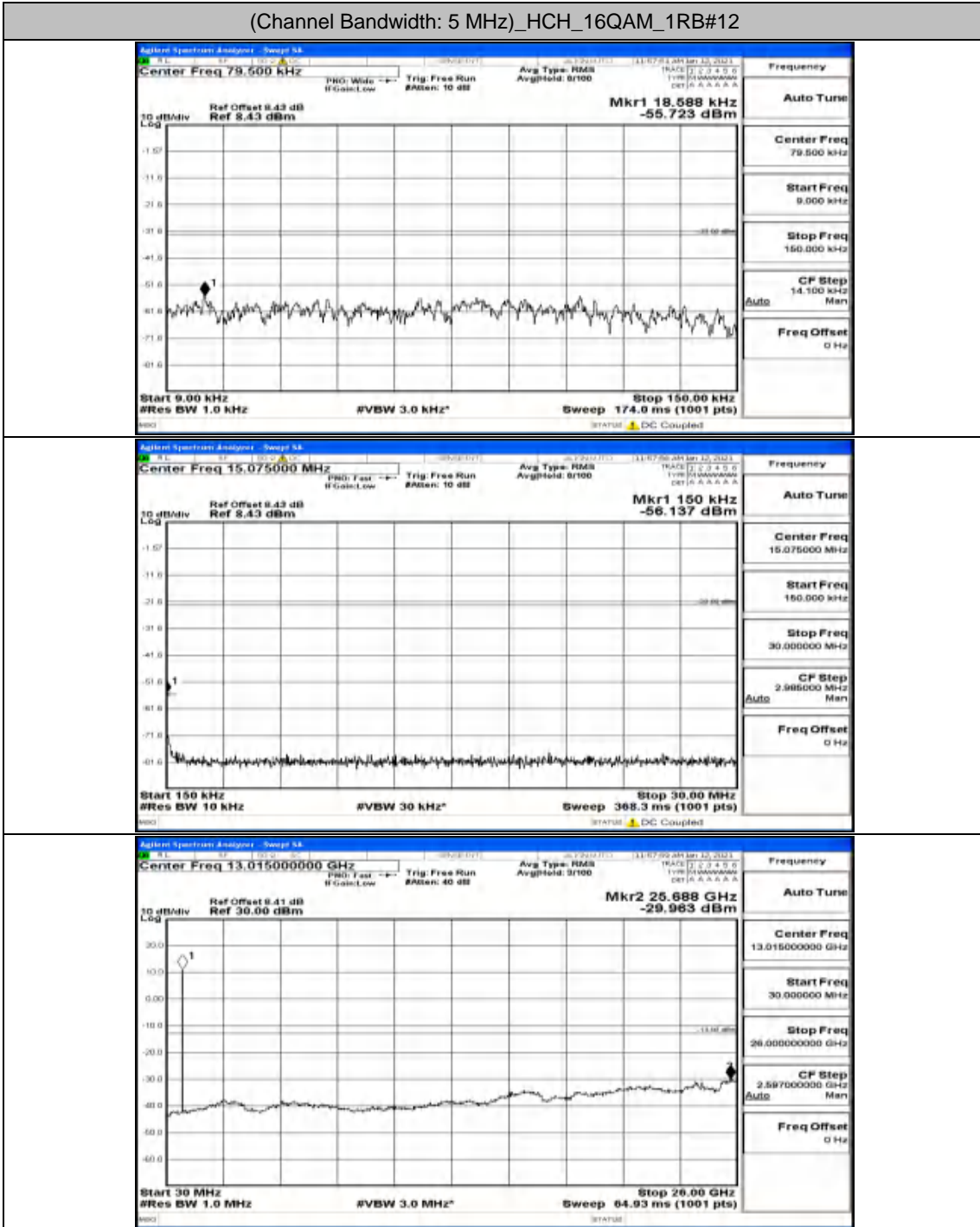
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



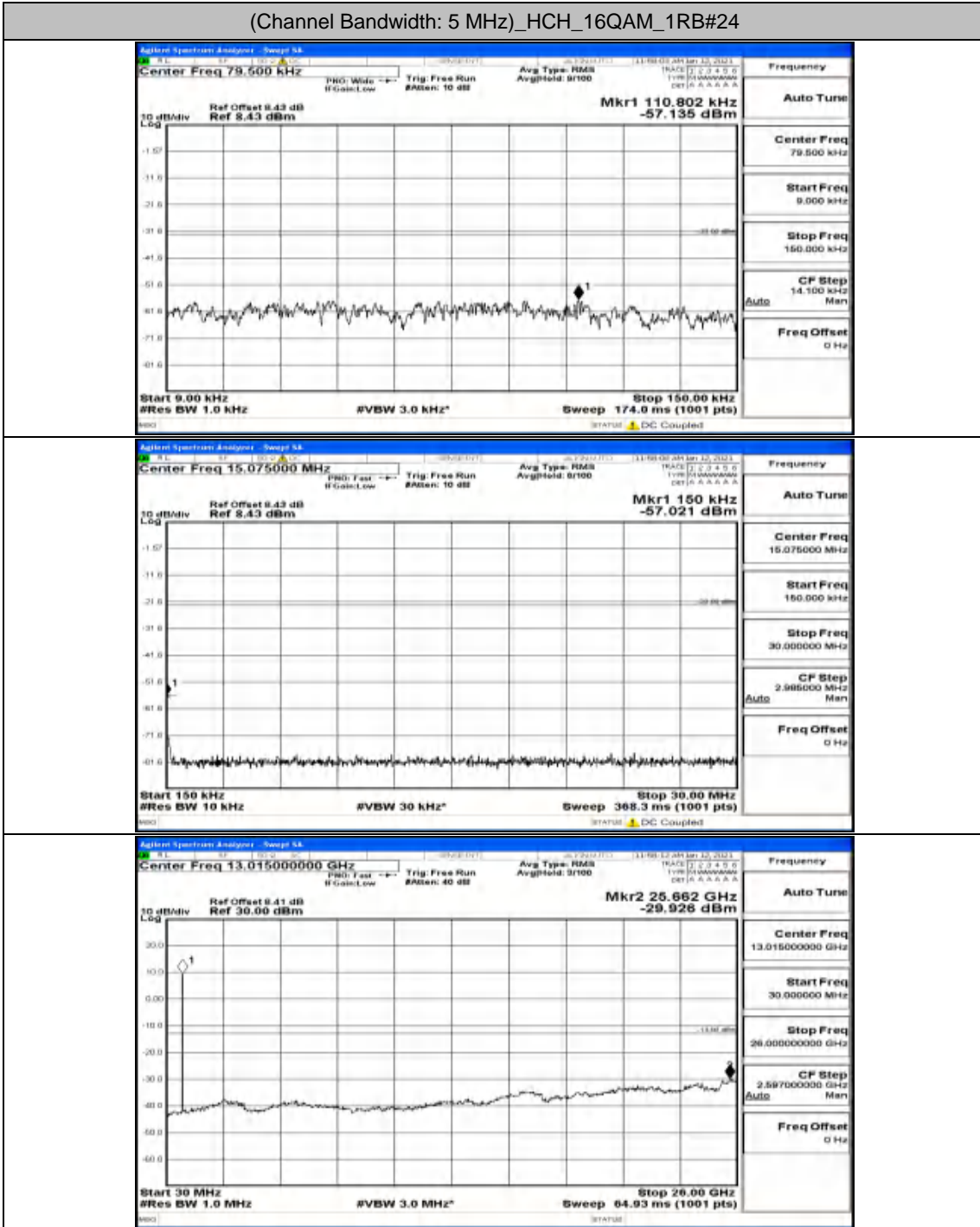
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



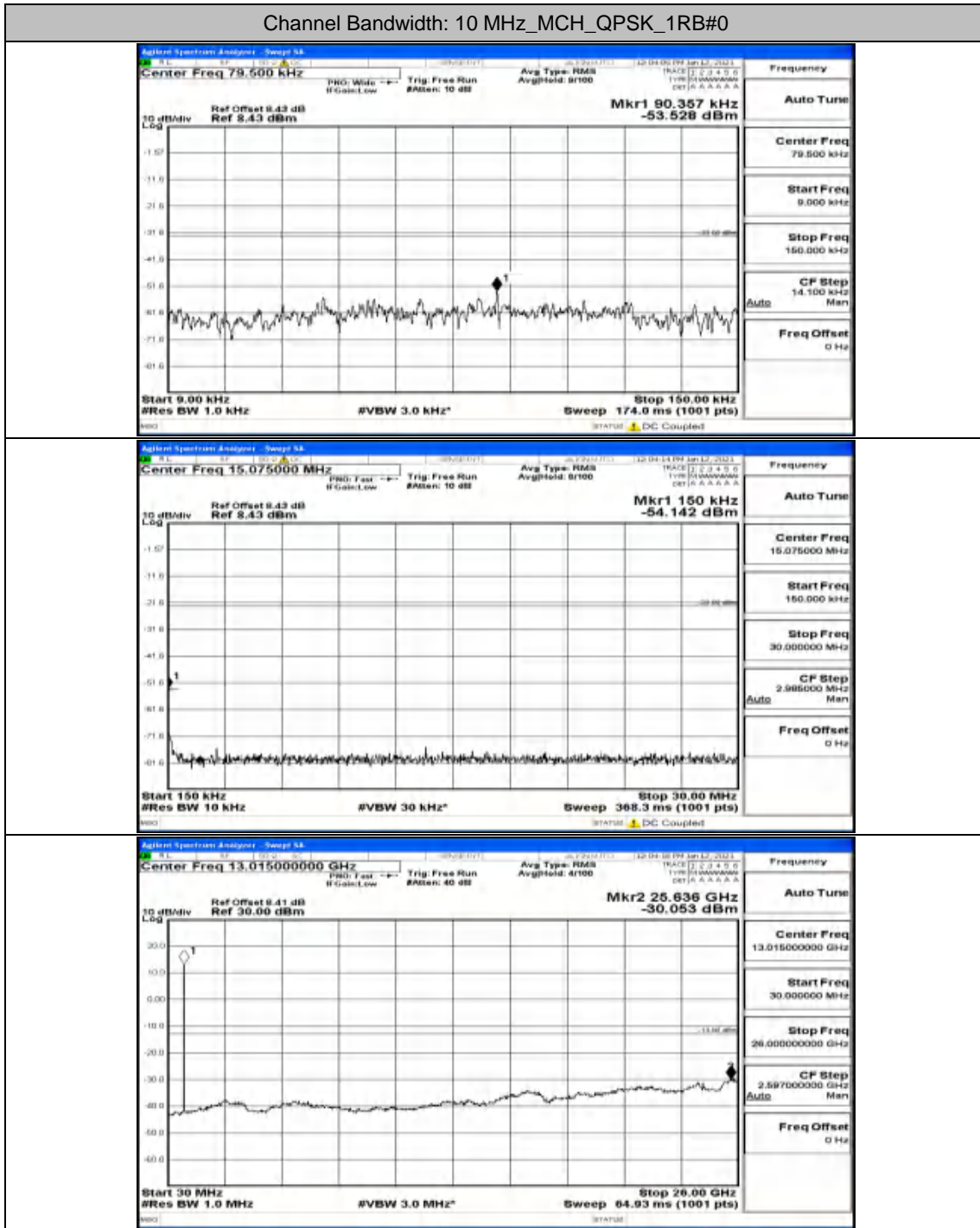
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



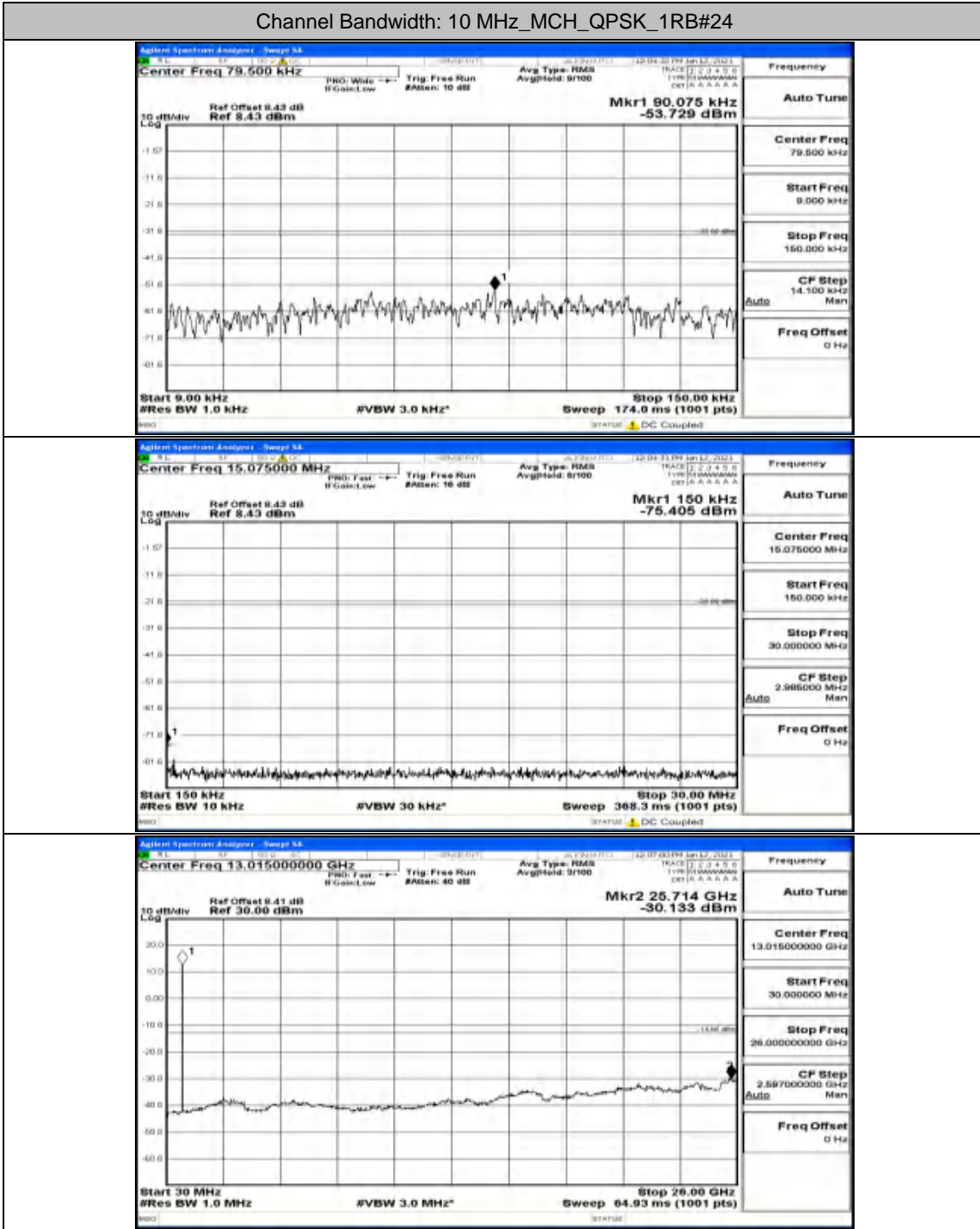
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



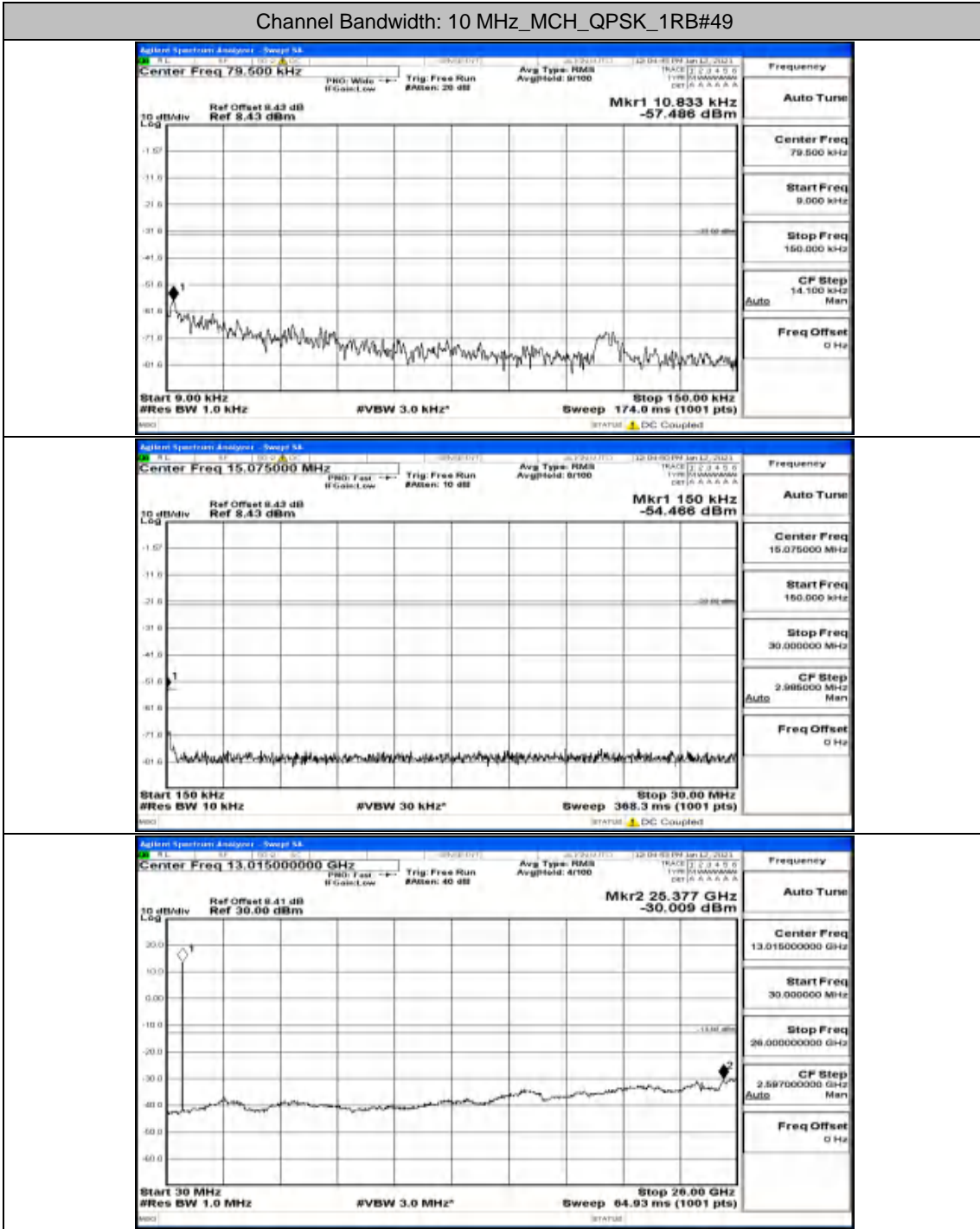
Channel Bandwidth: 10 MHz



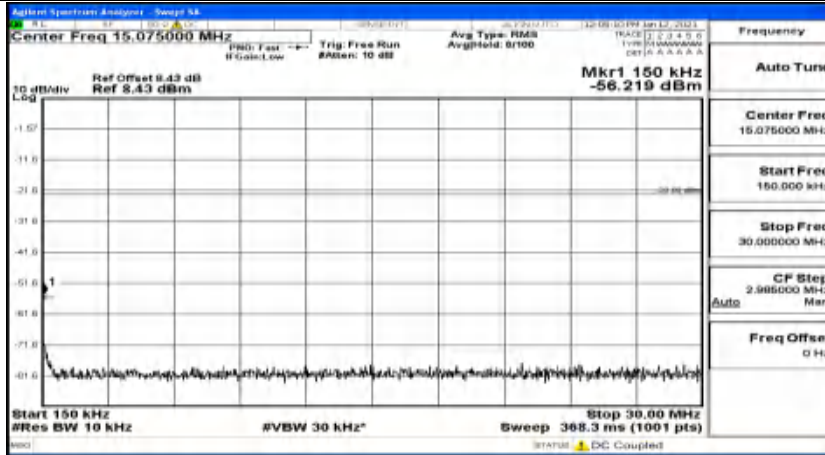
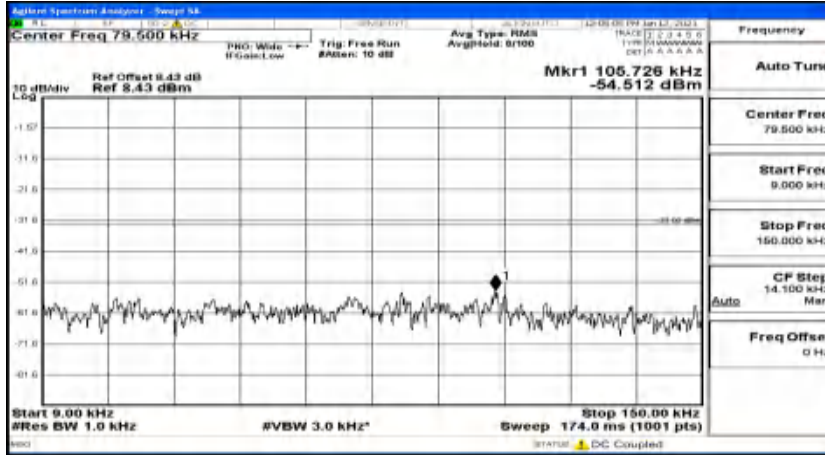
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



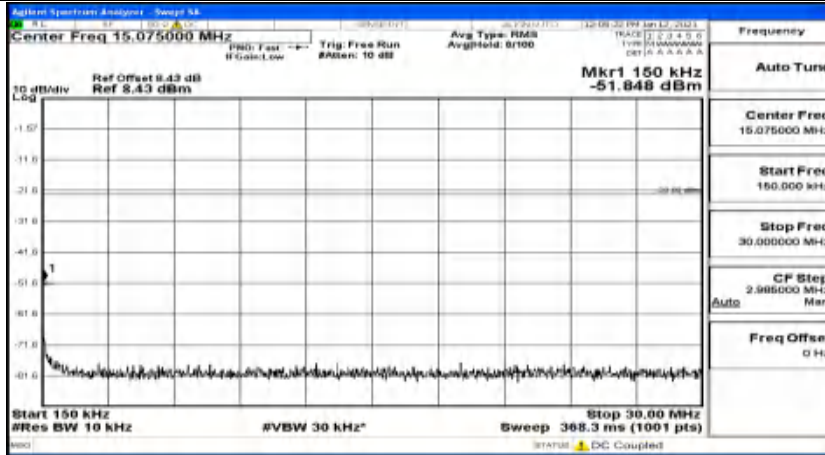
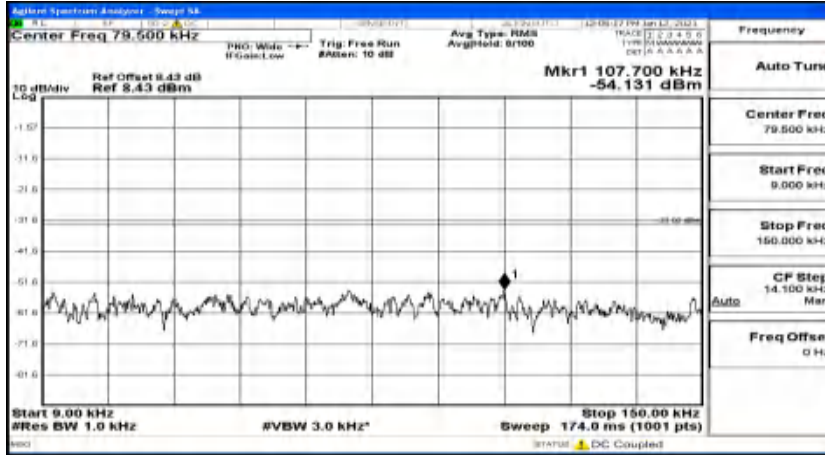
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



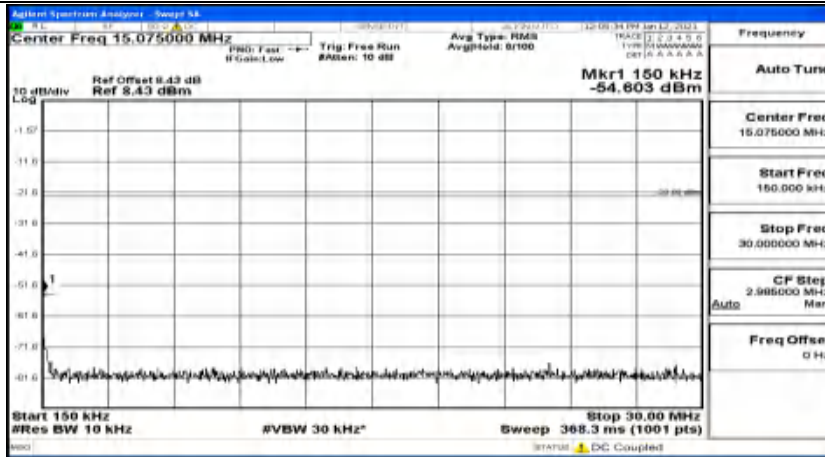
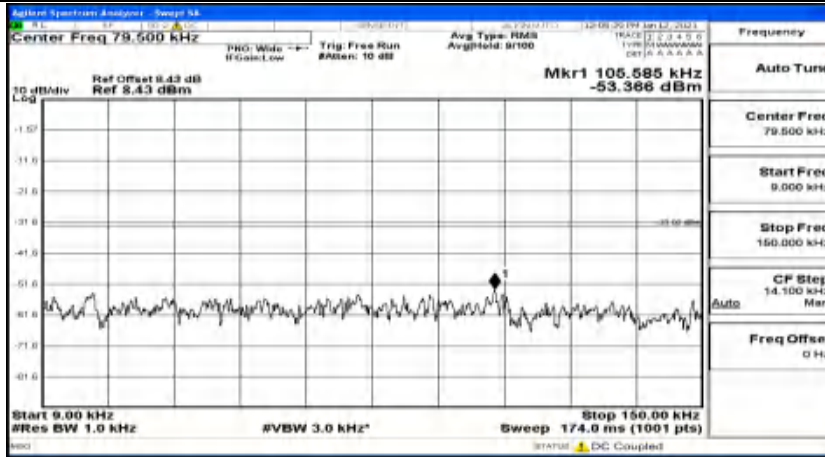
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

