

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



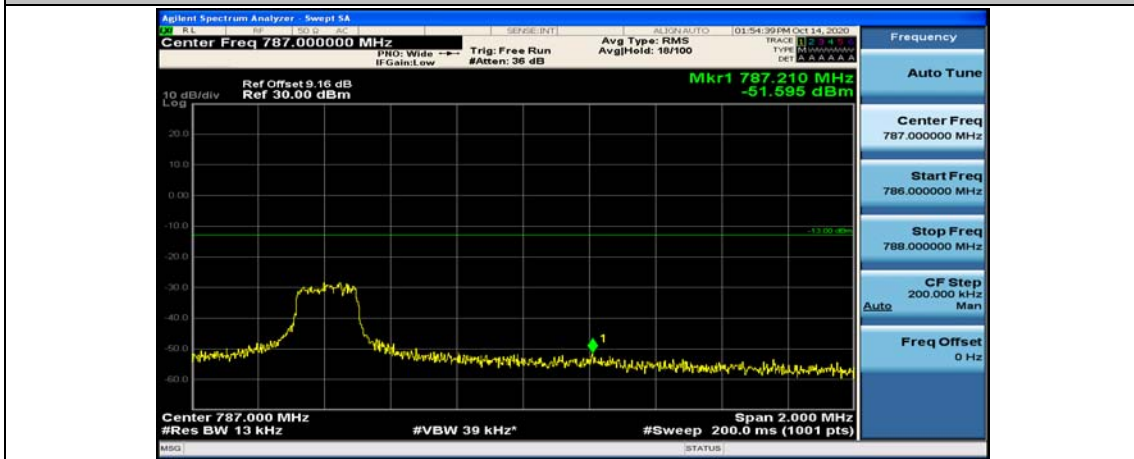
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



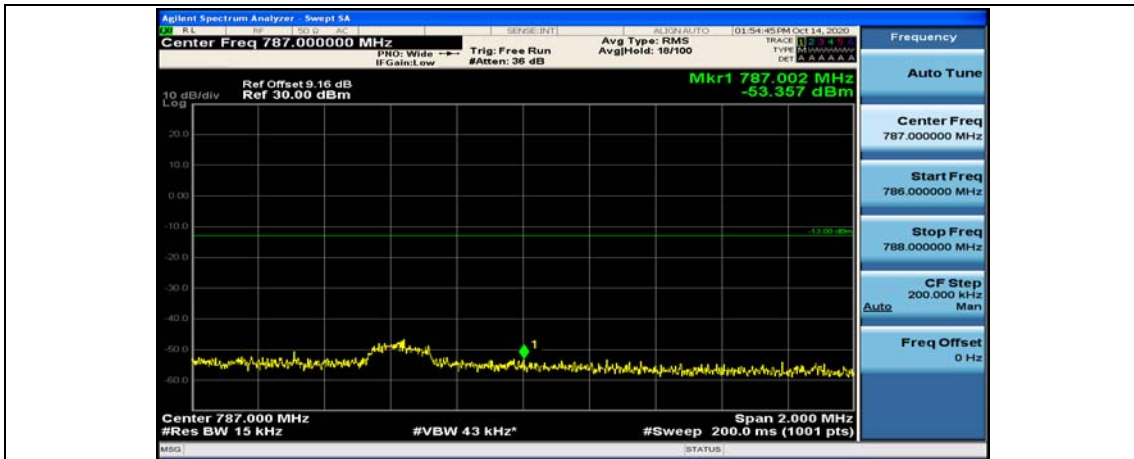
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

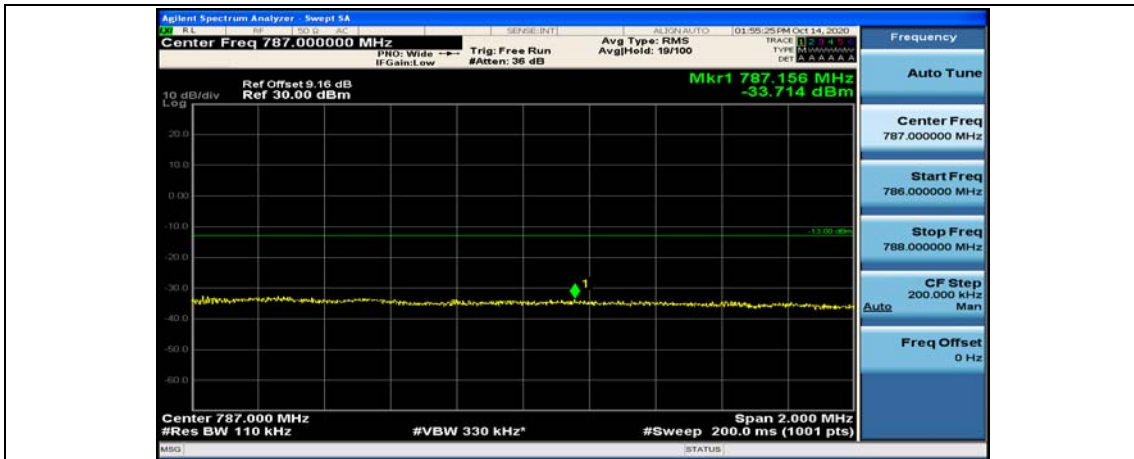


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

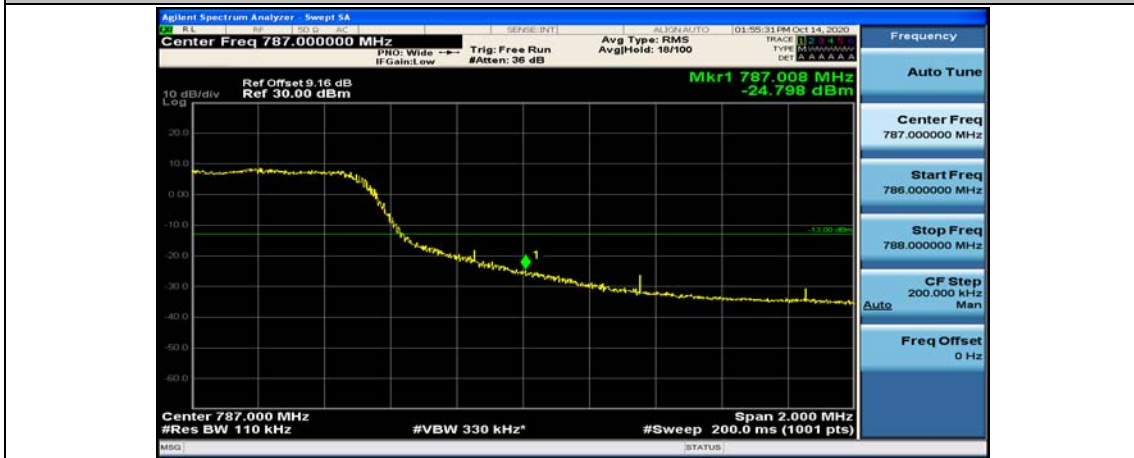


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



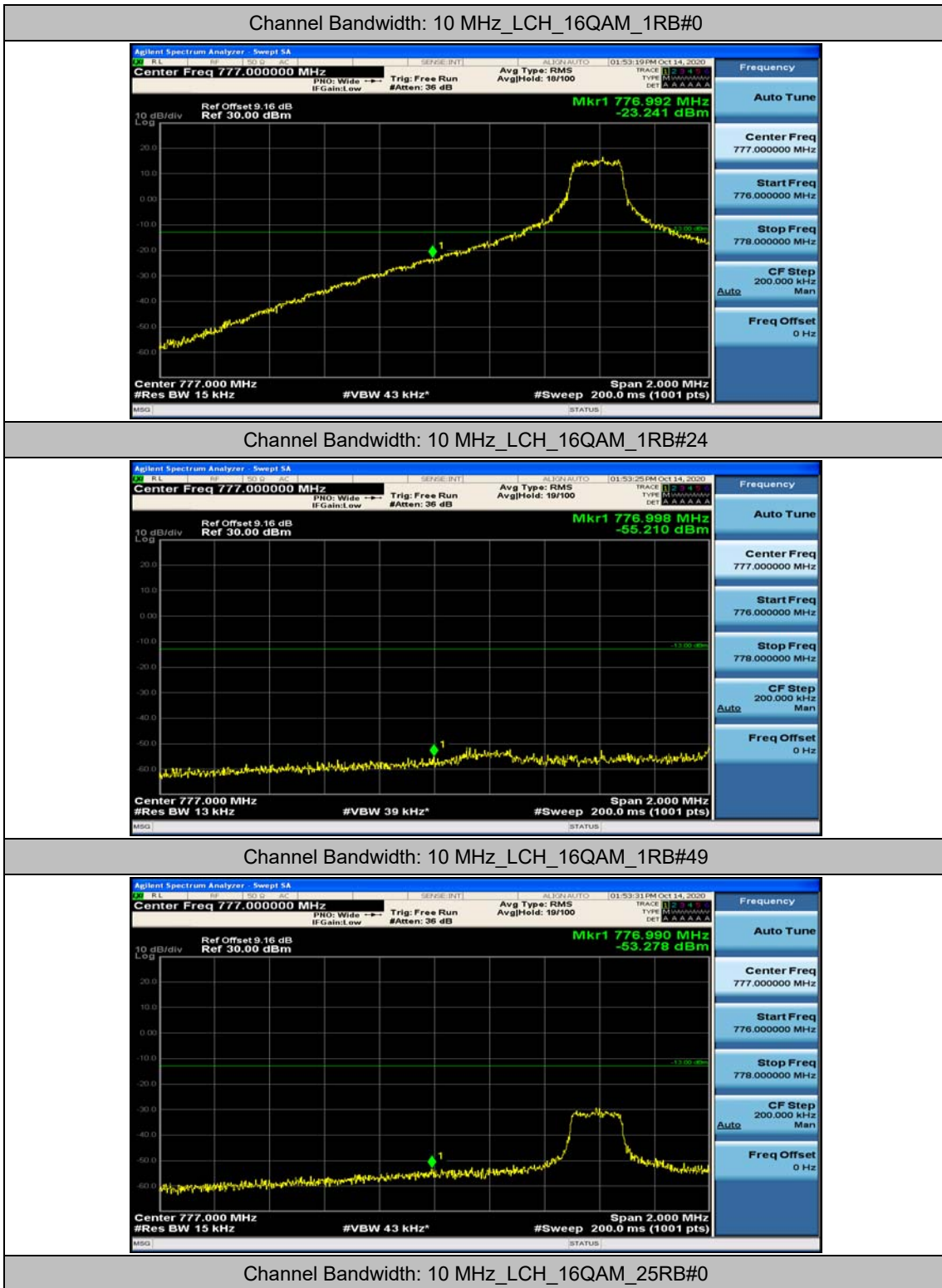


Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



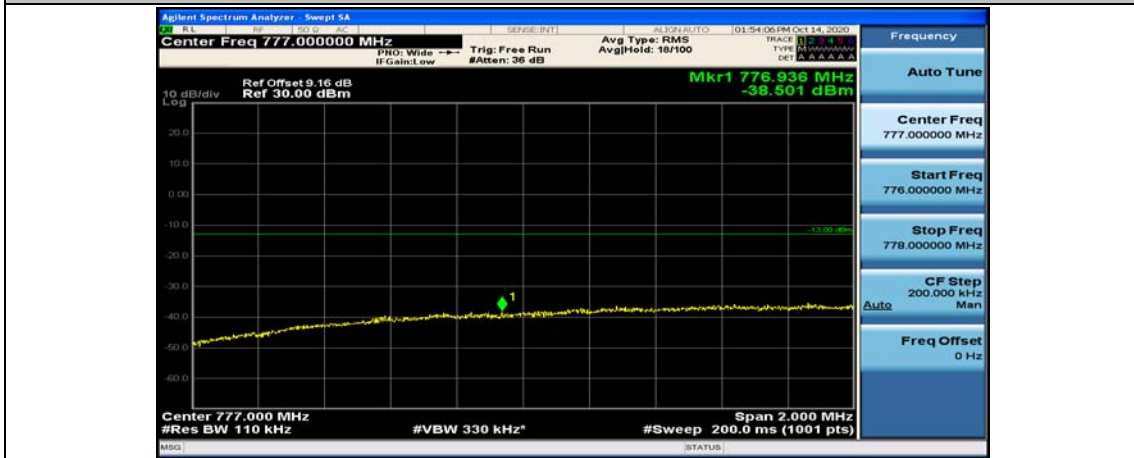
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0







Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



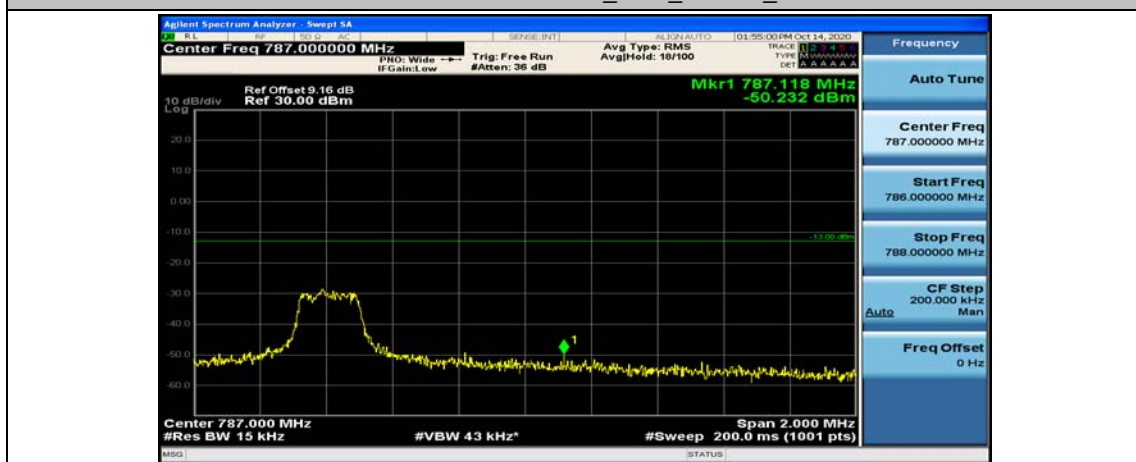
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



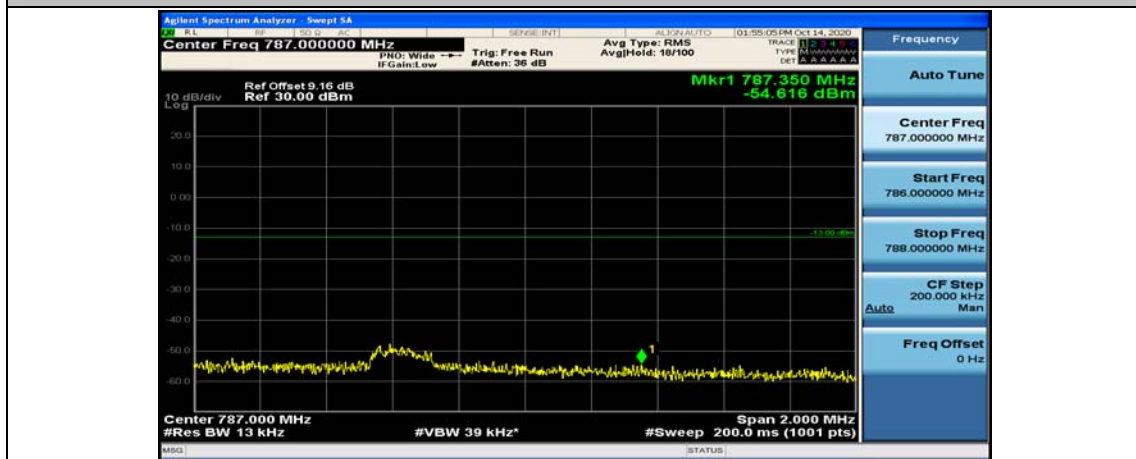
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



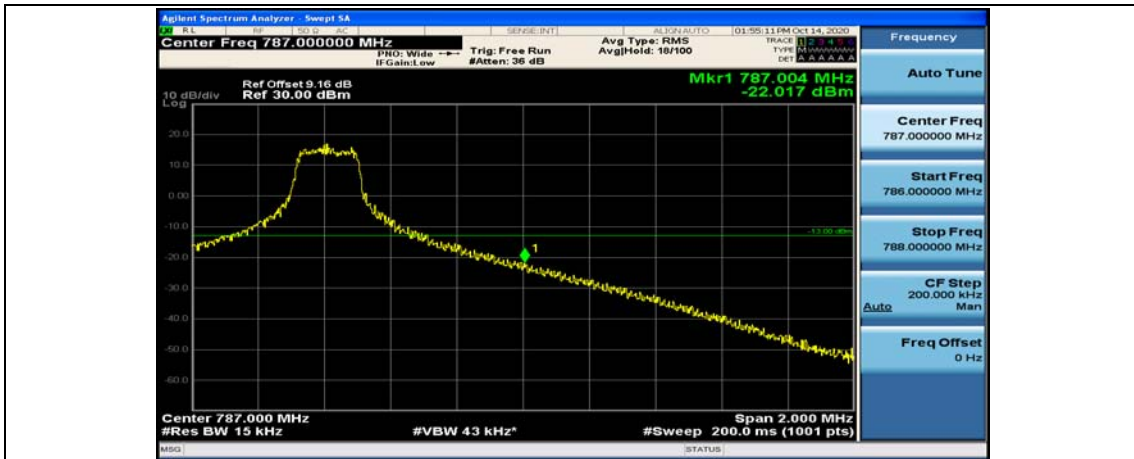
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



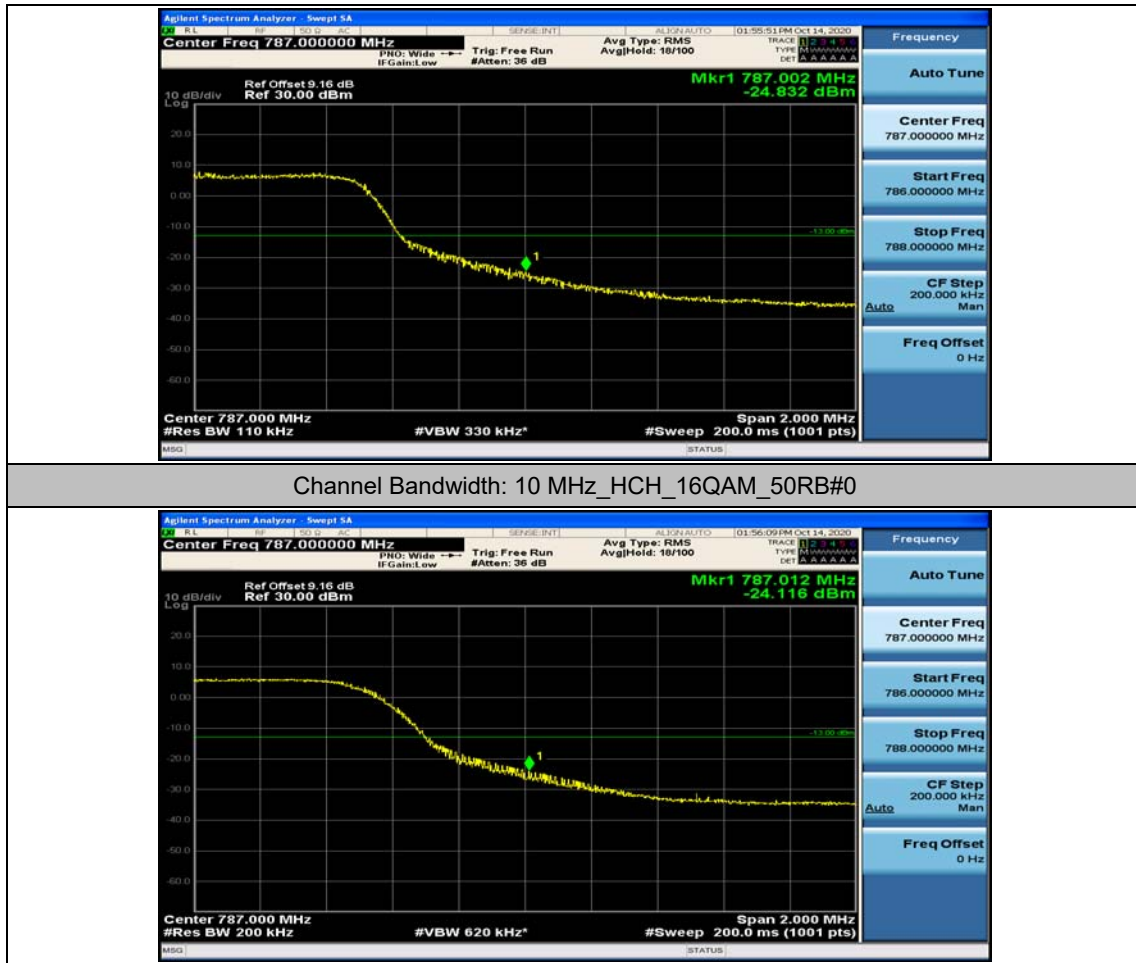
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



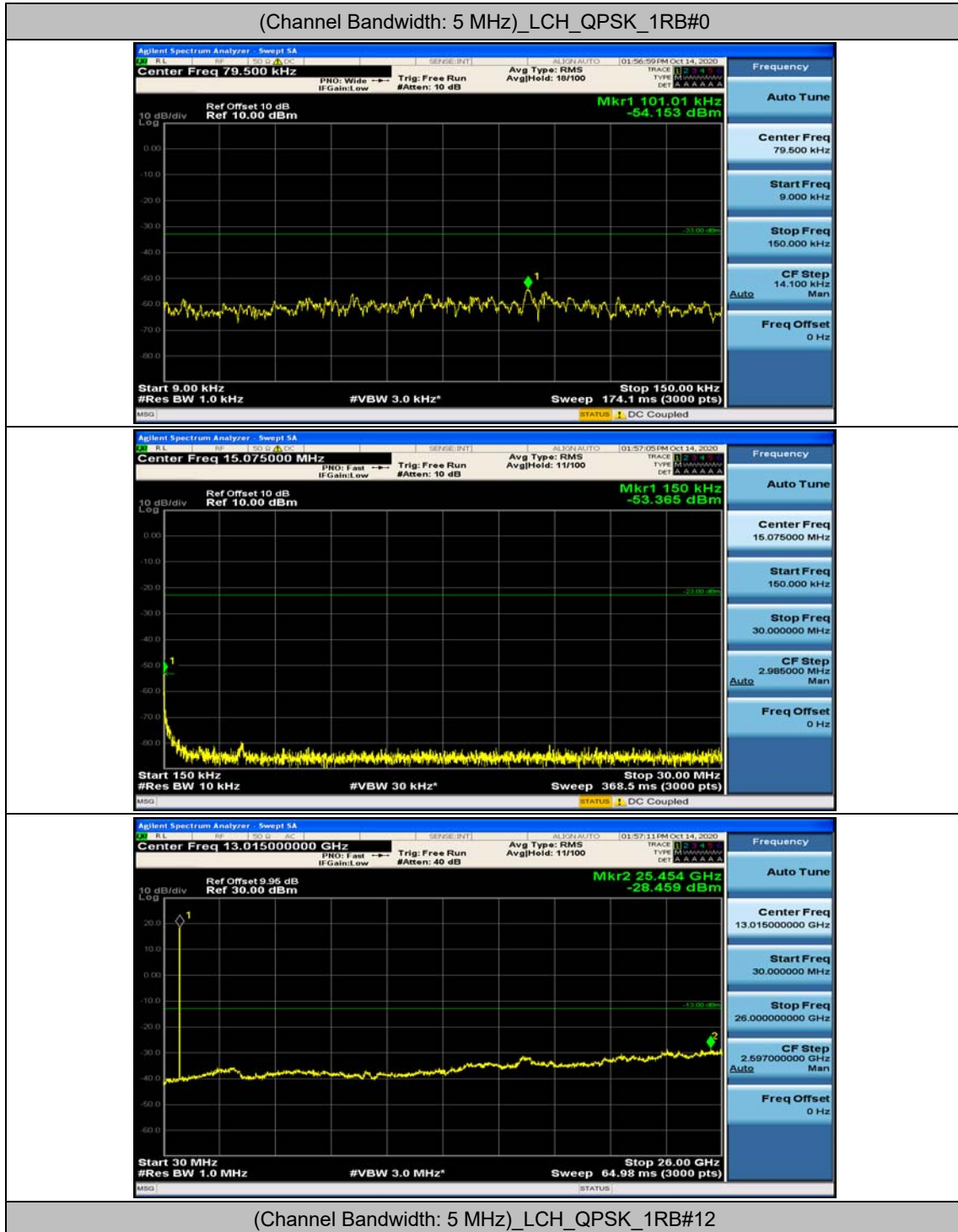
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

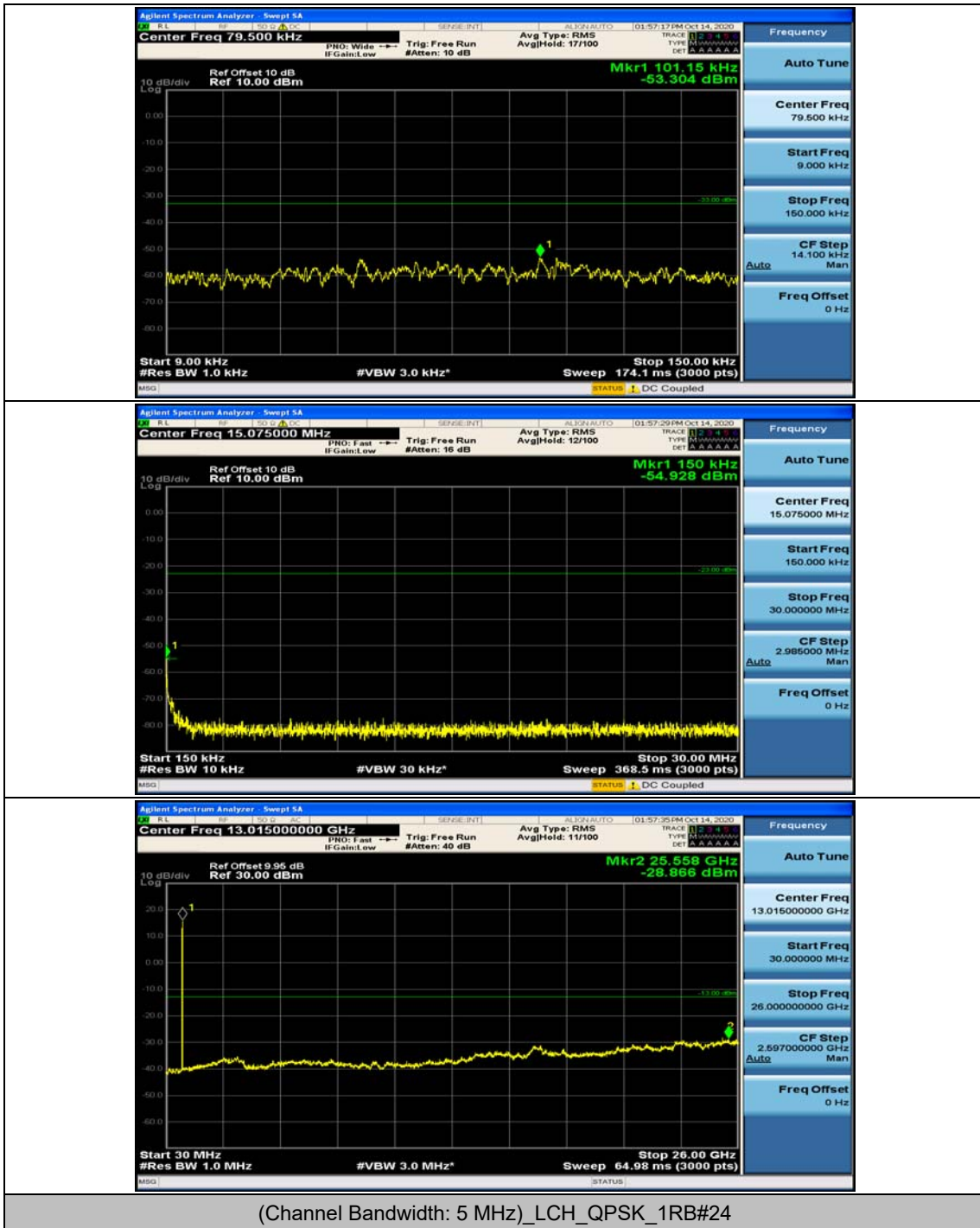


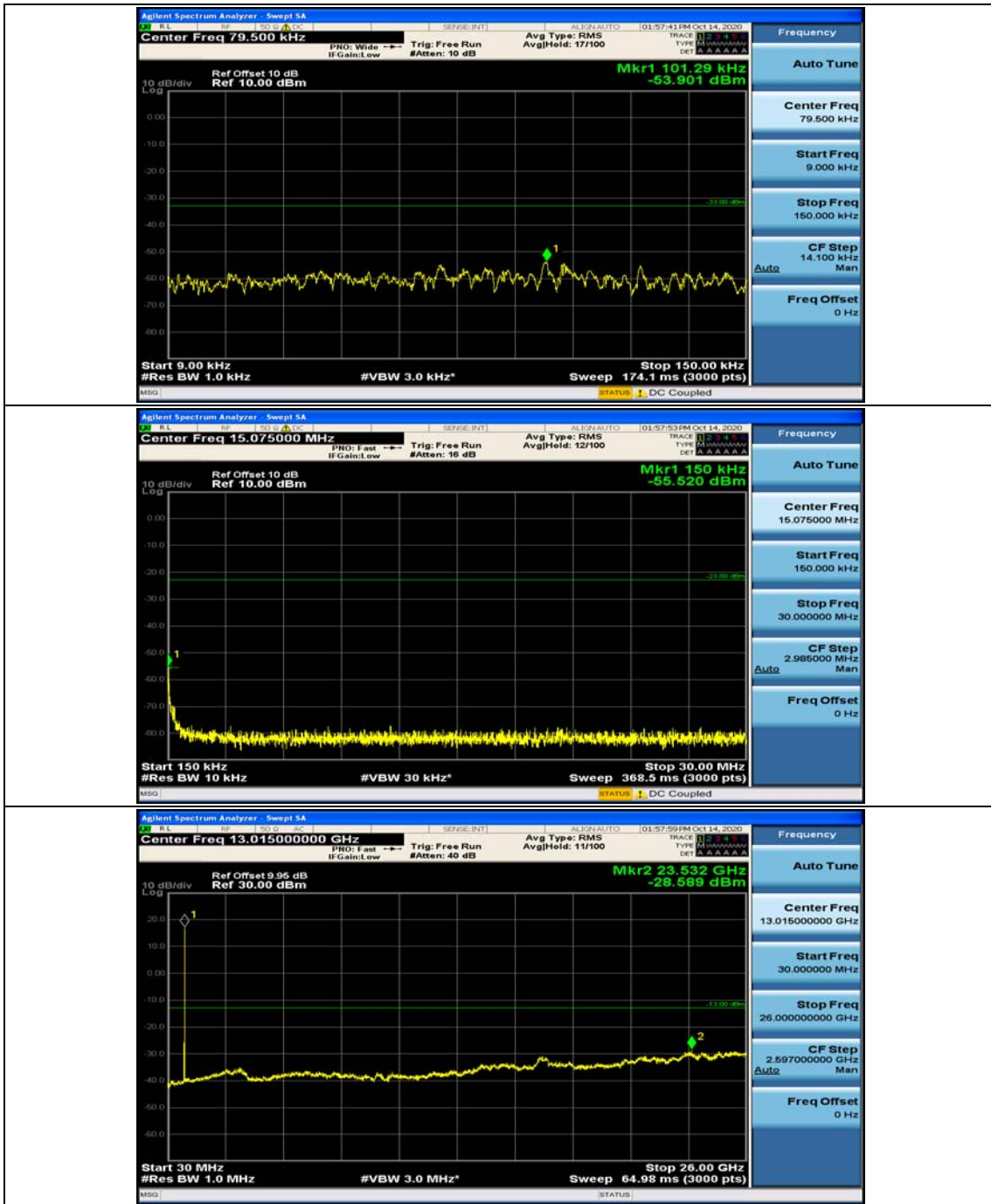
Appendix E: Conducted Spurious Emission

Test Graphs

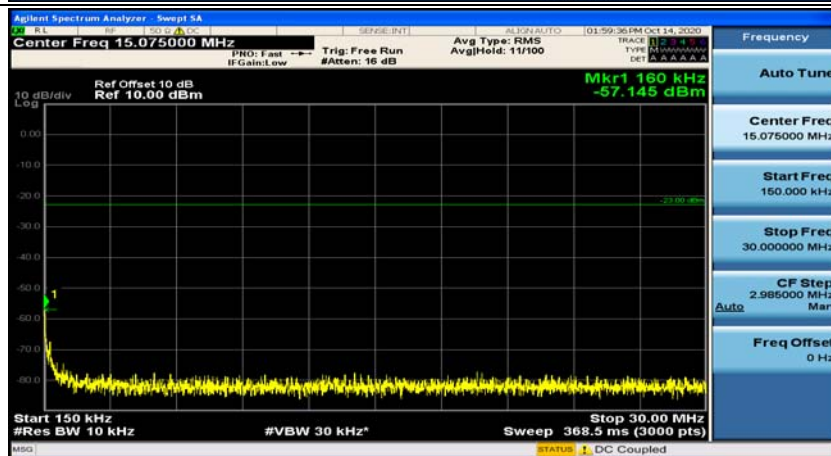
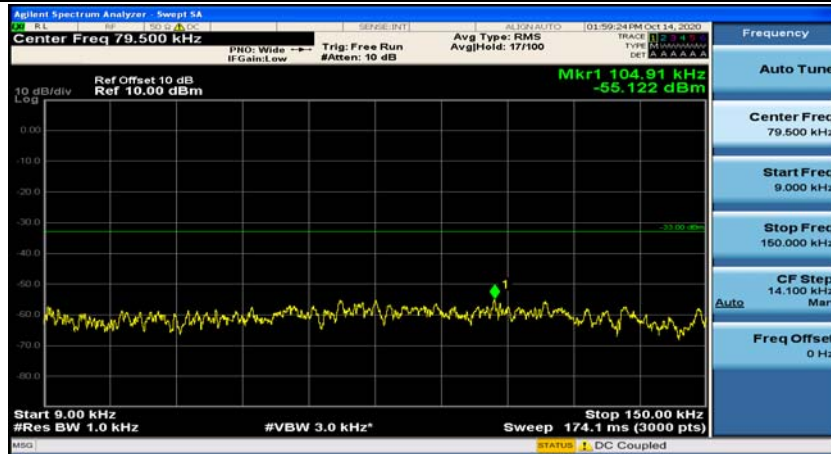
Channel Bandwidth: 5 MHz



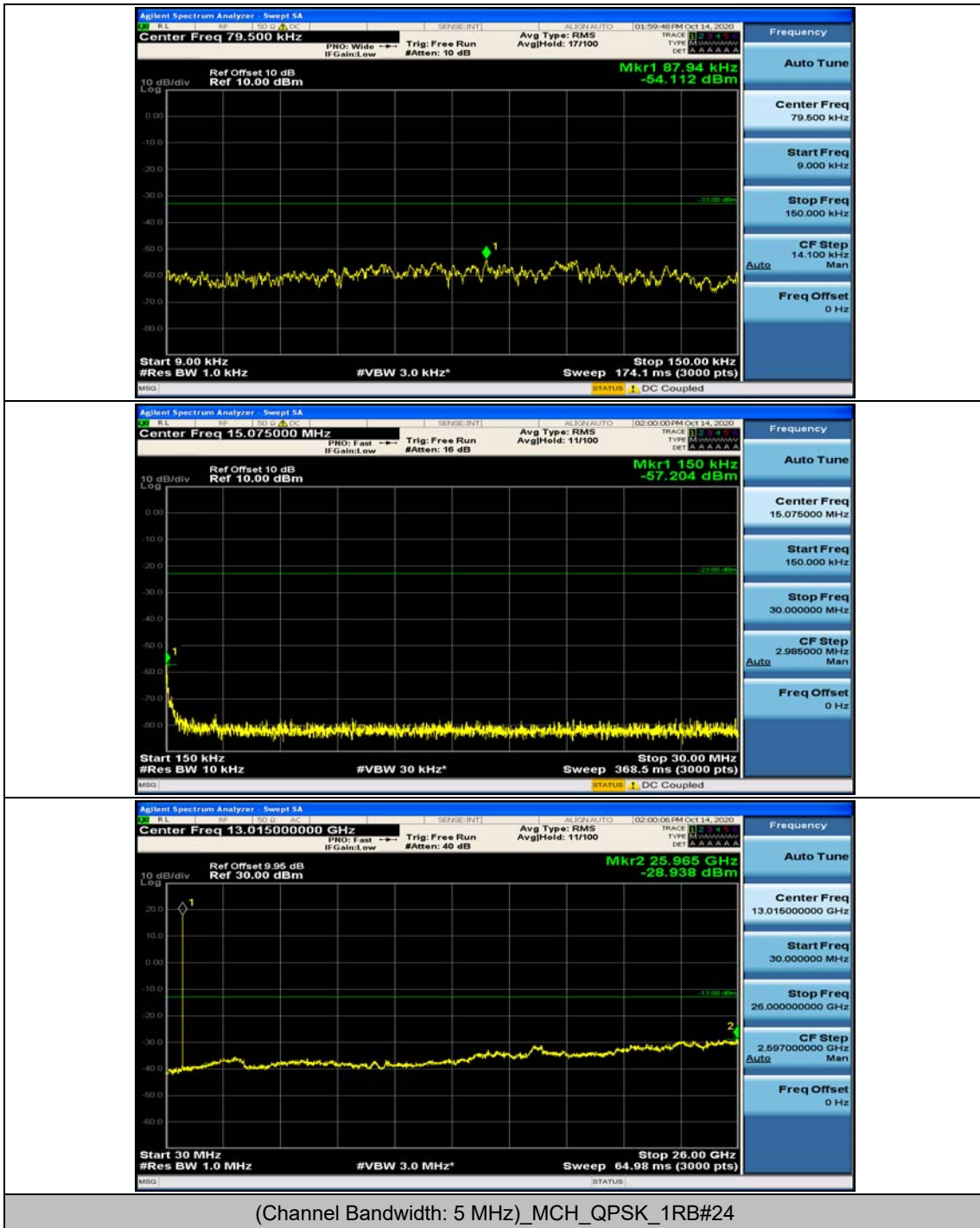


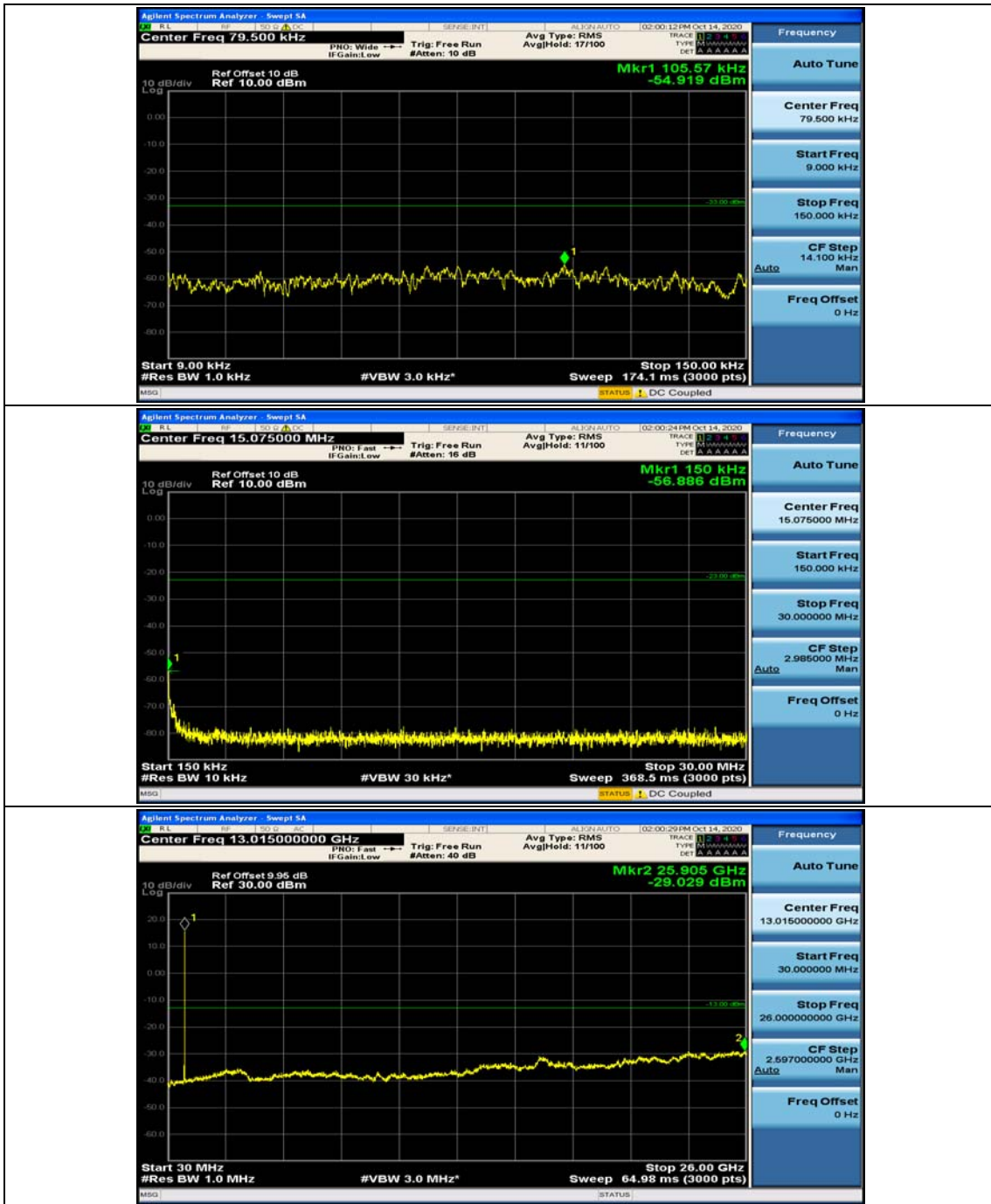


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

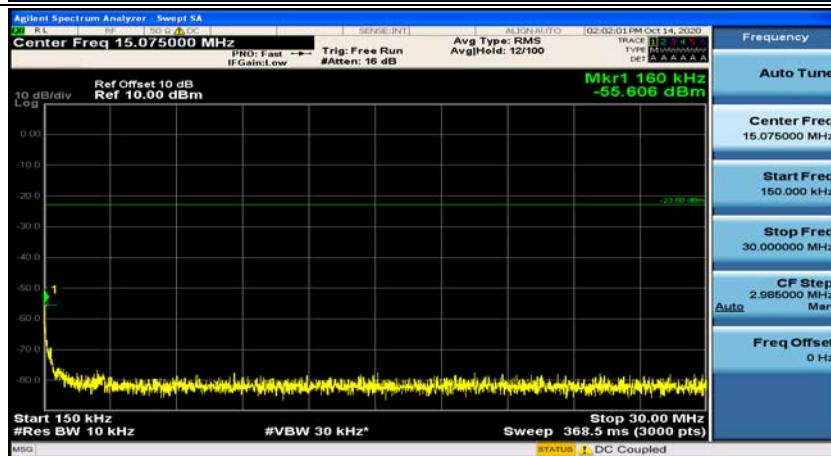
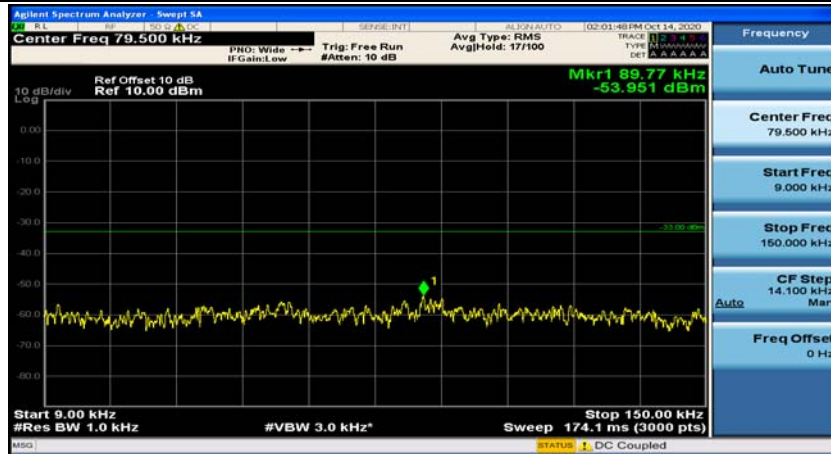


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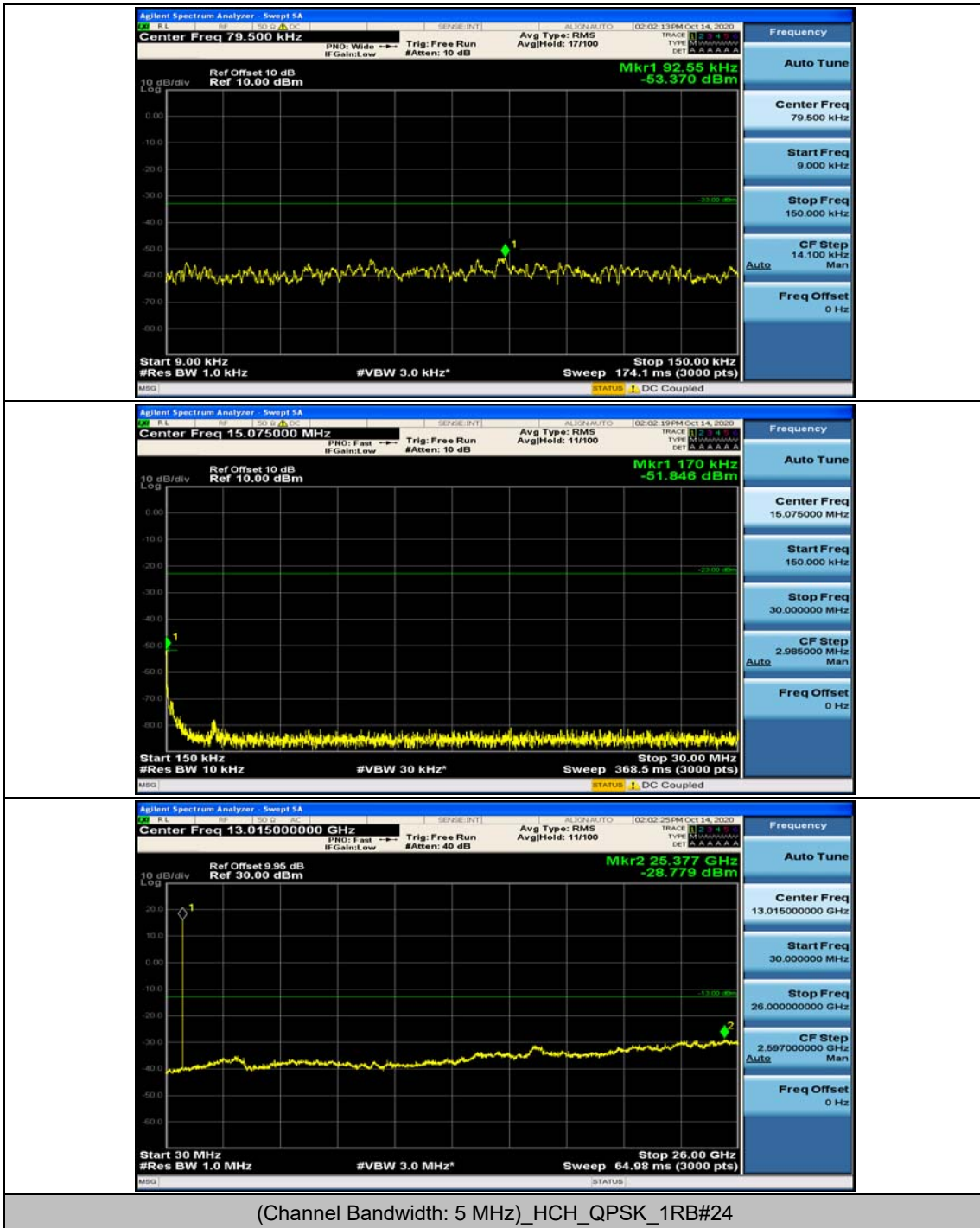


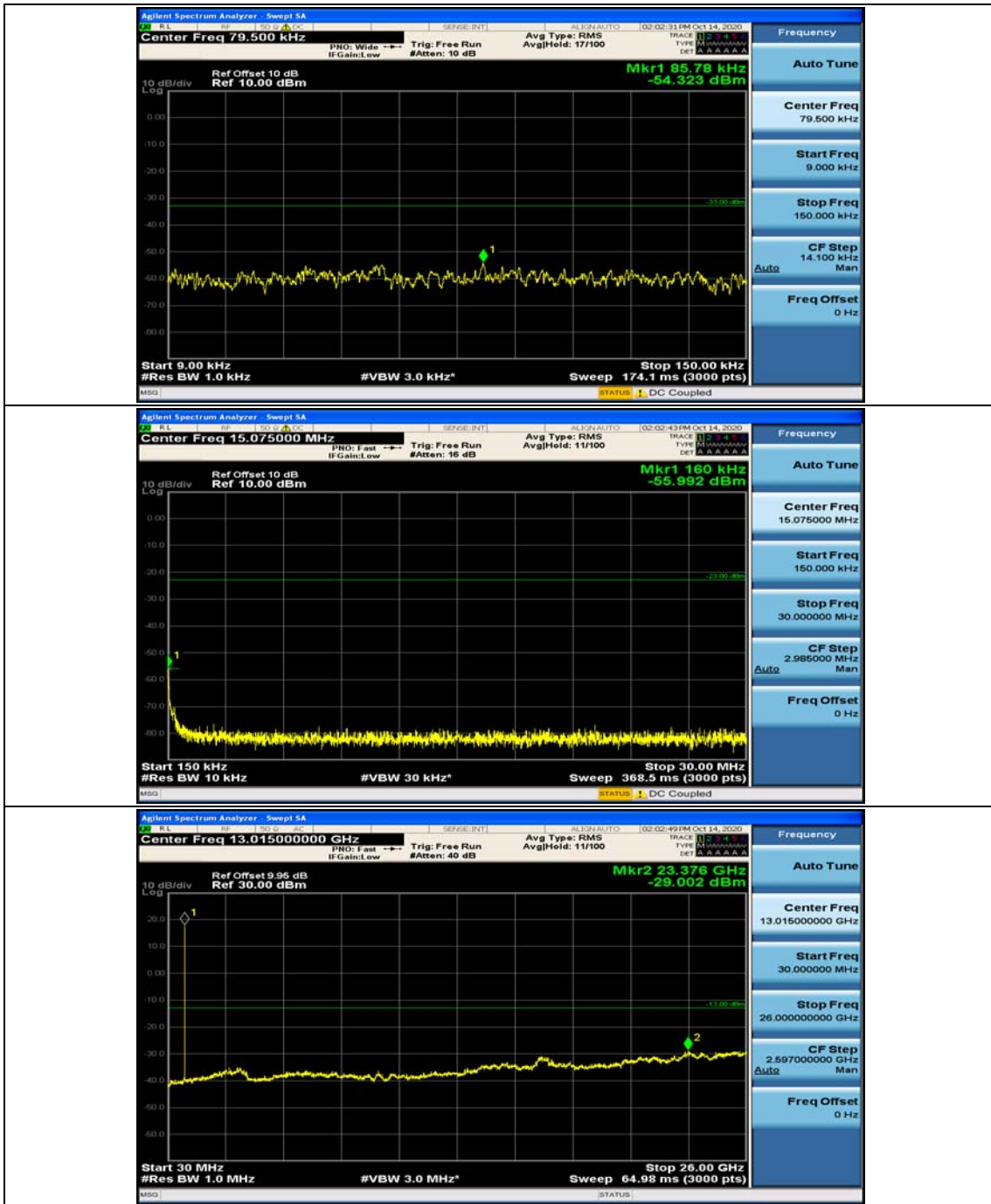


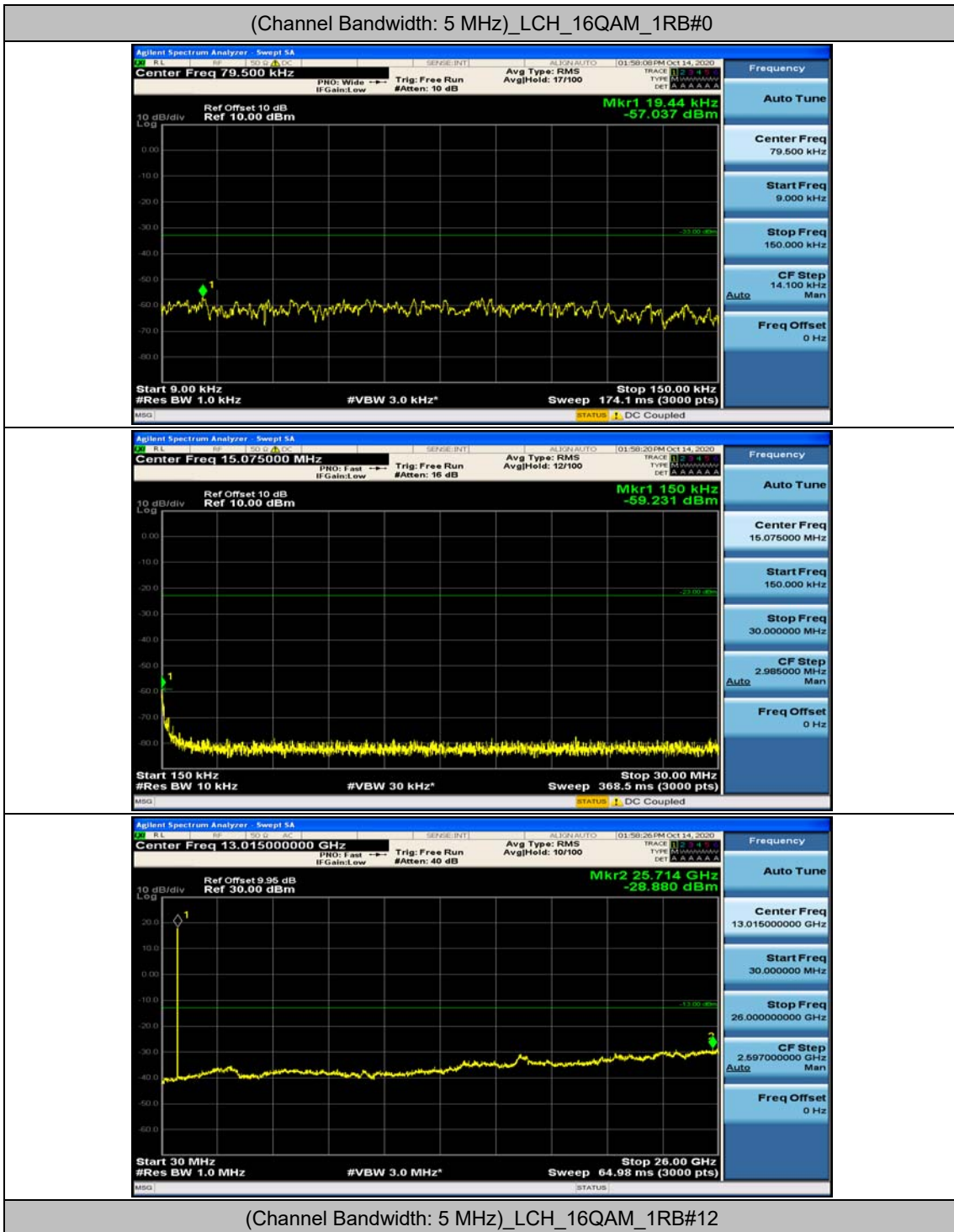
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

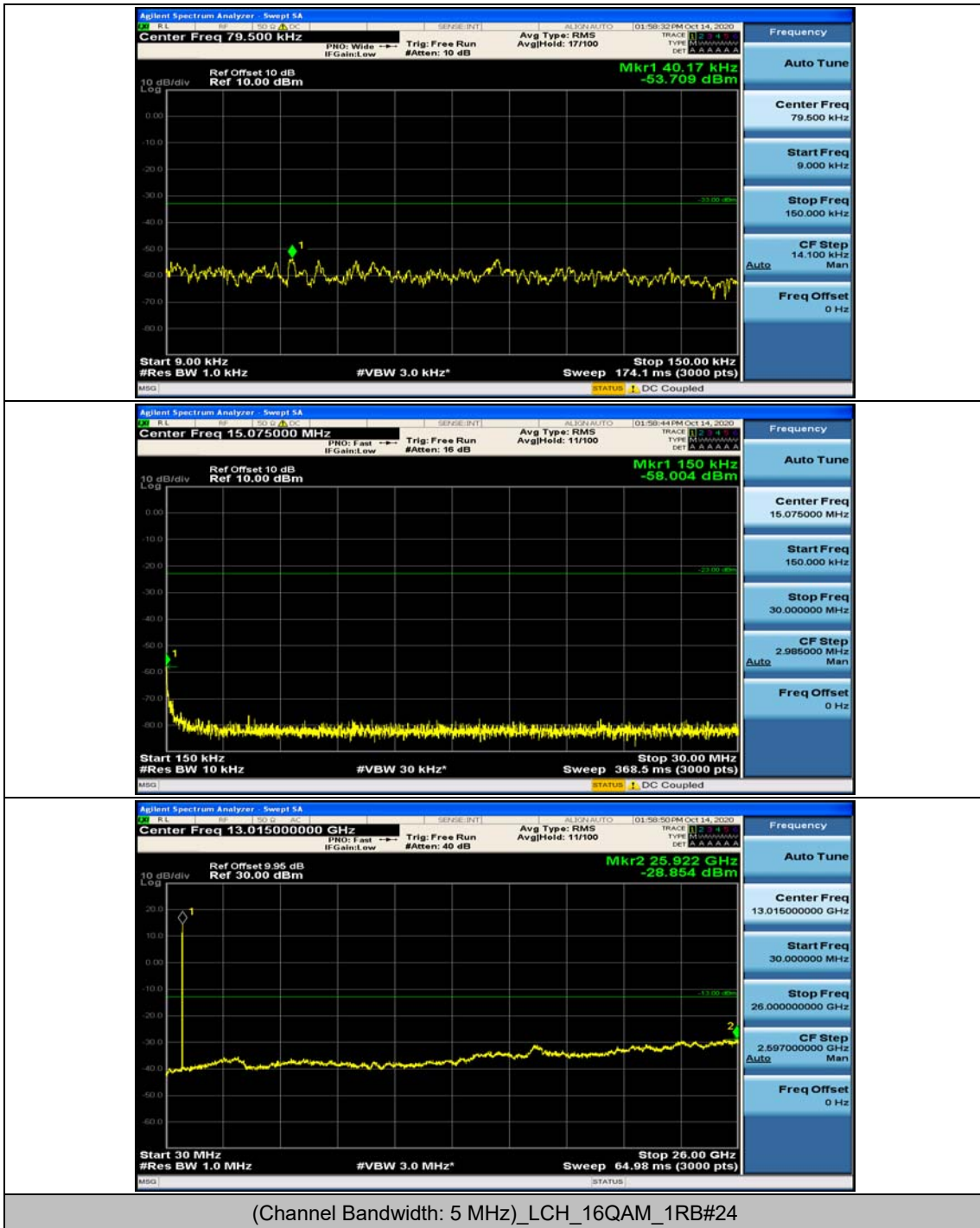


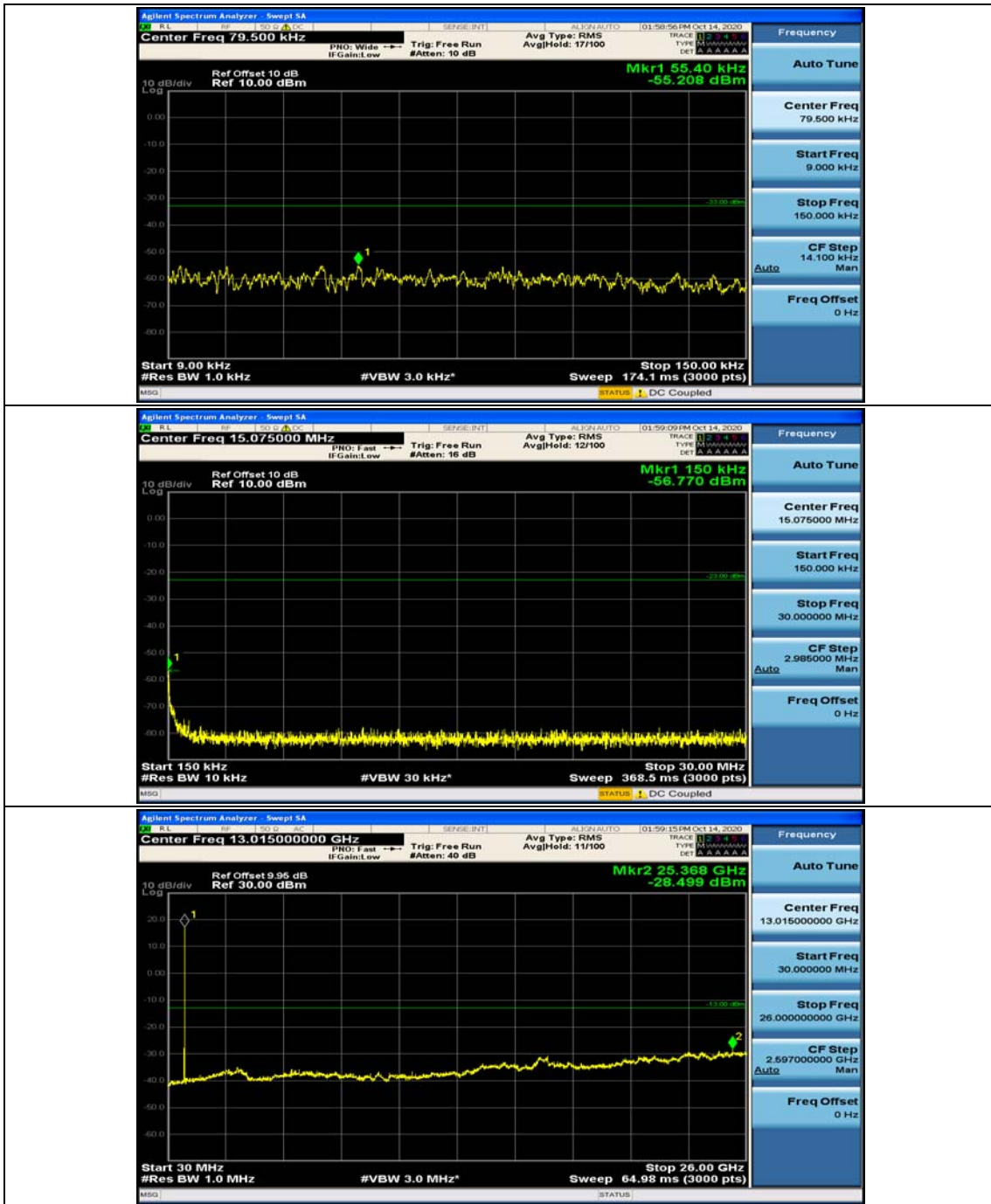
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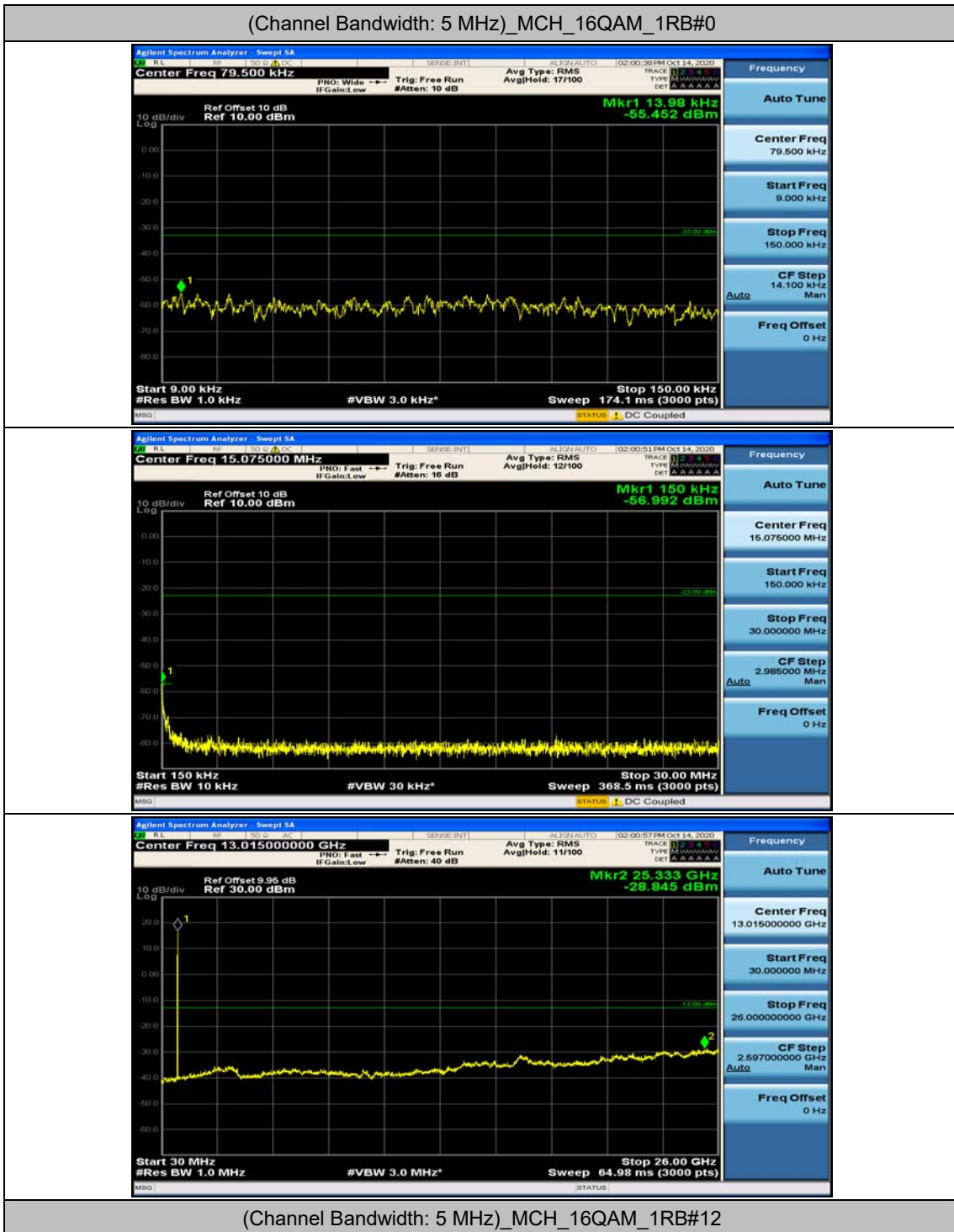


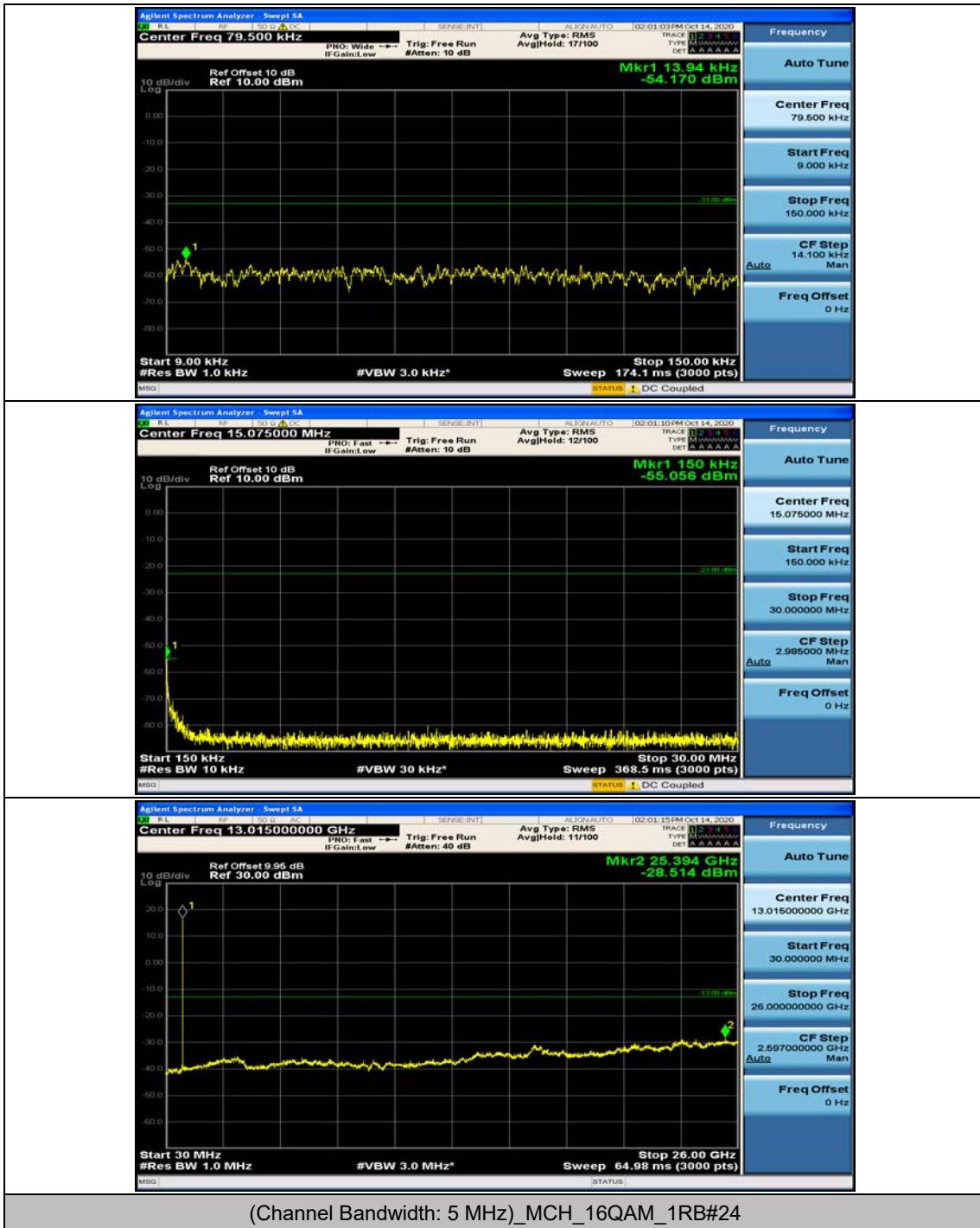


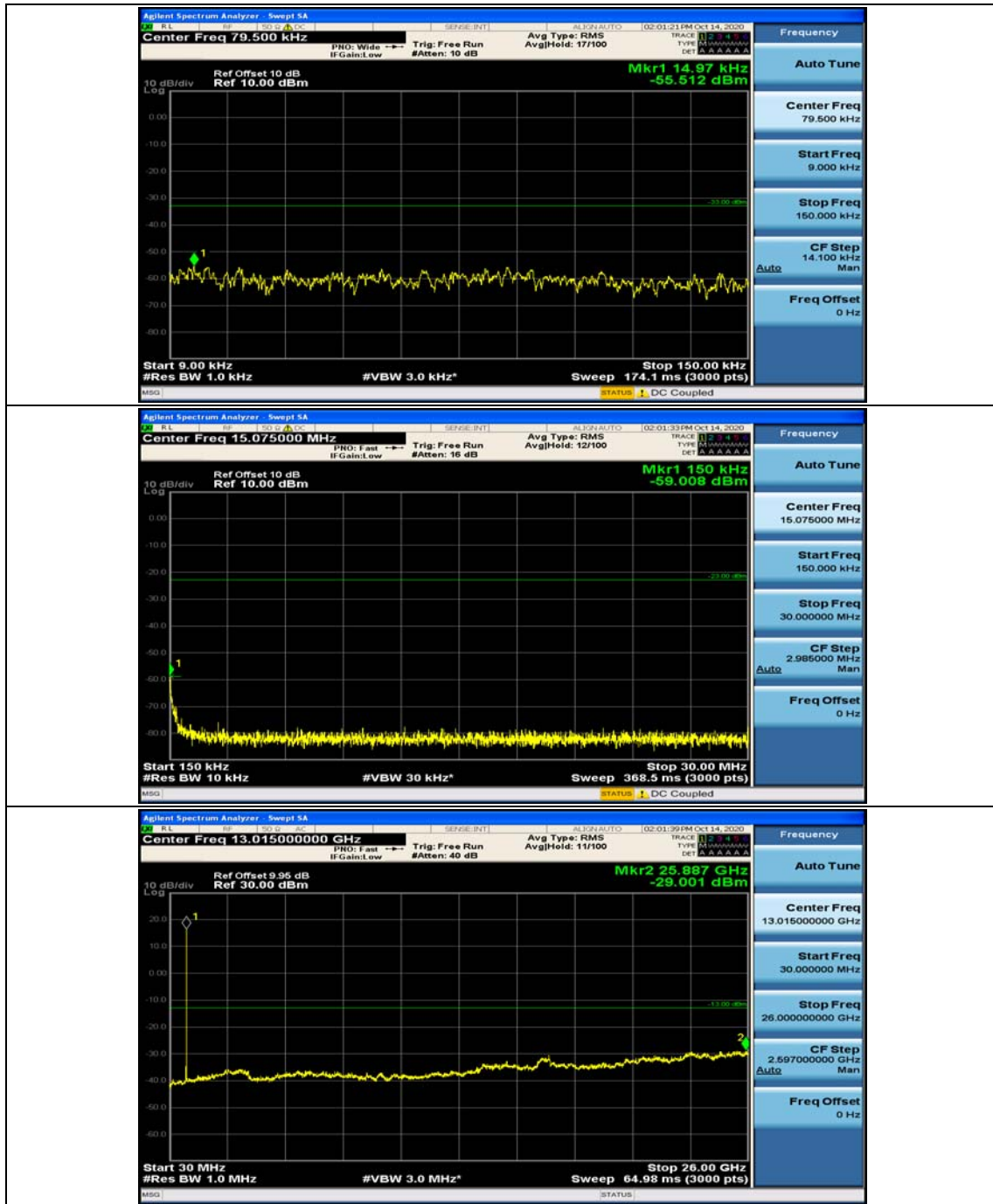


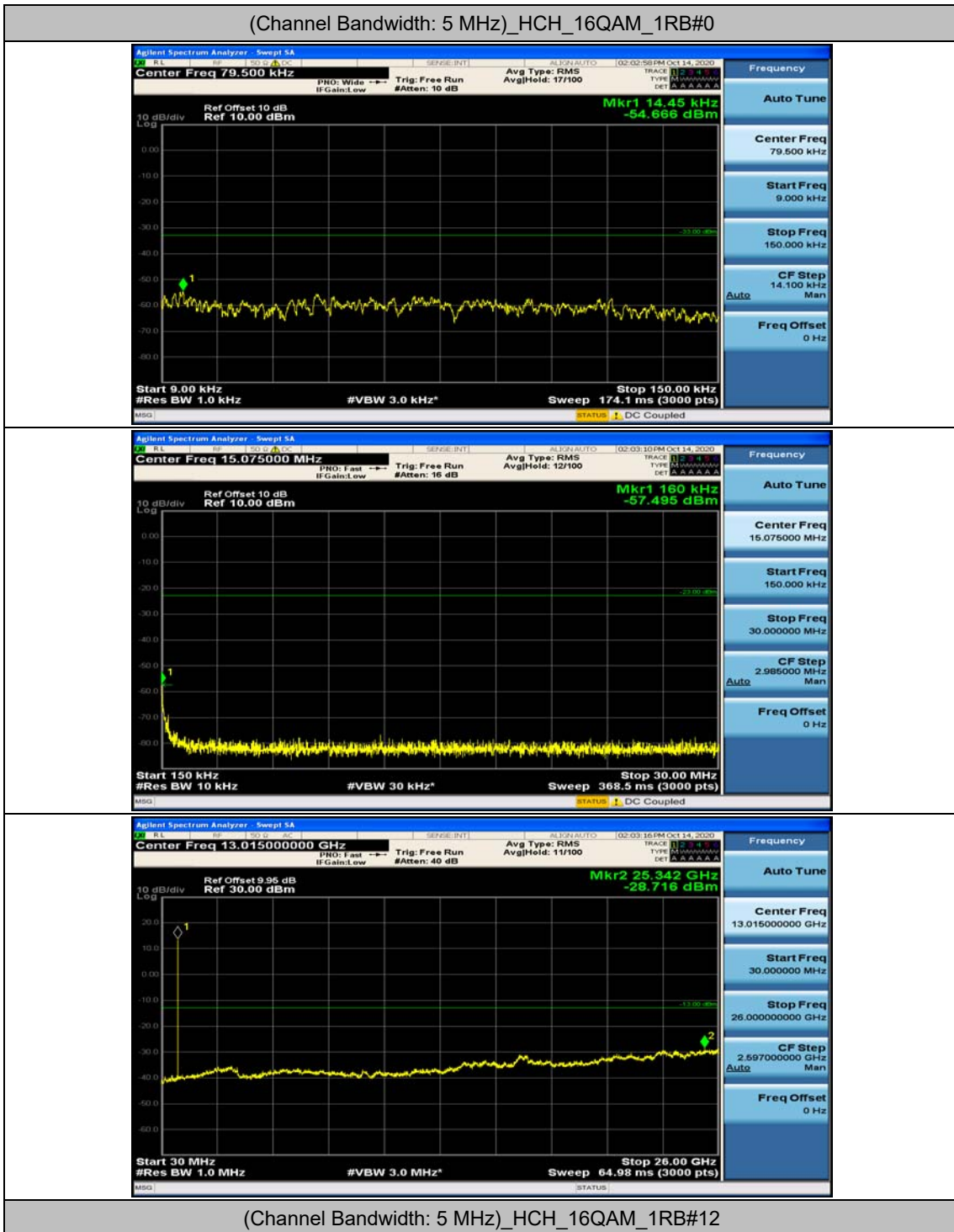


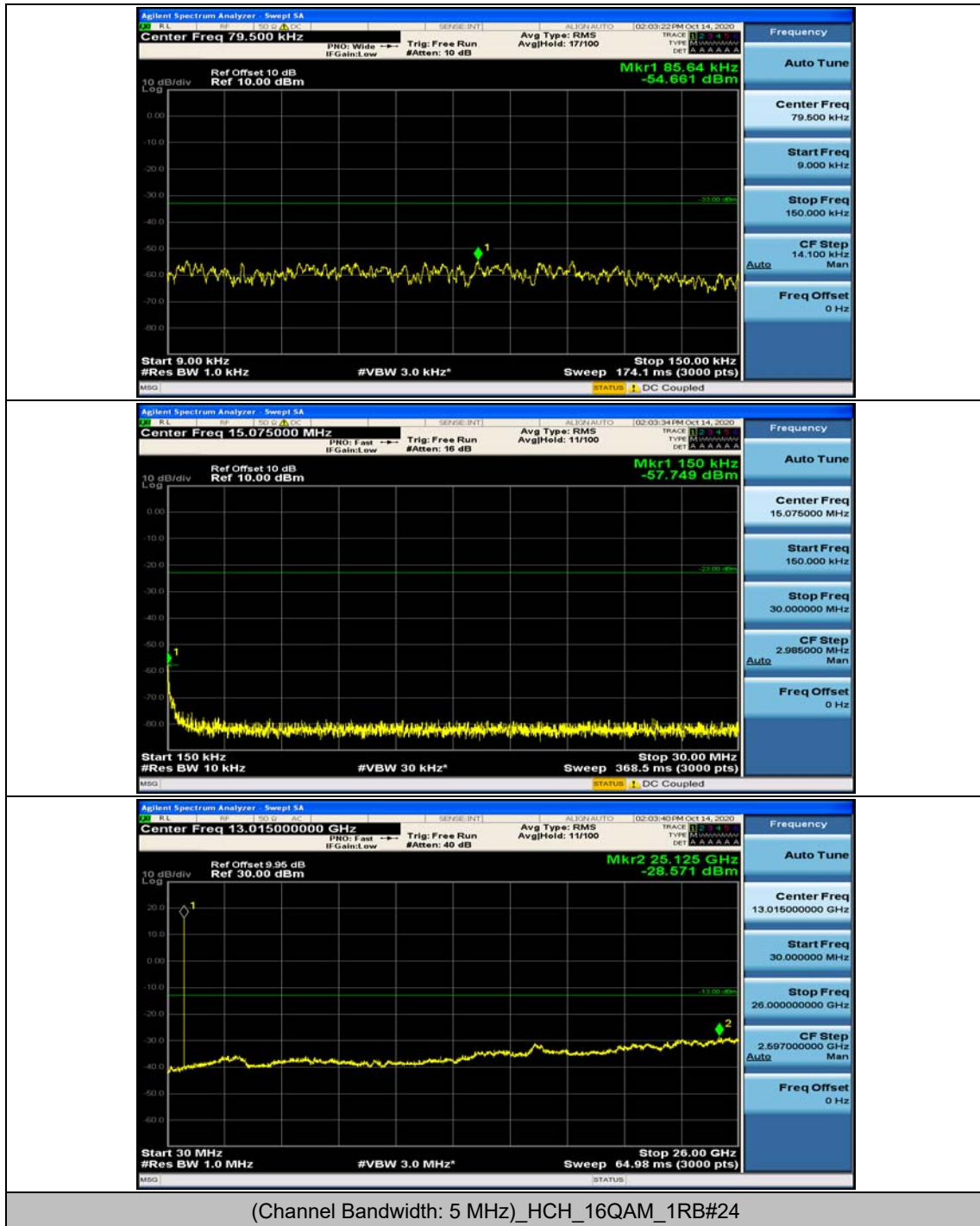


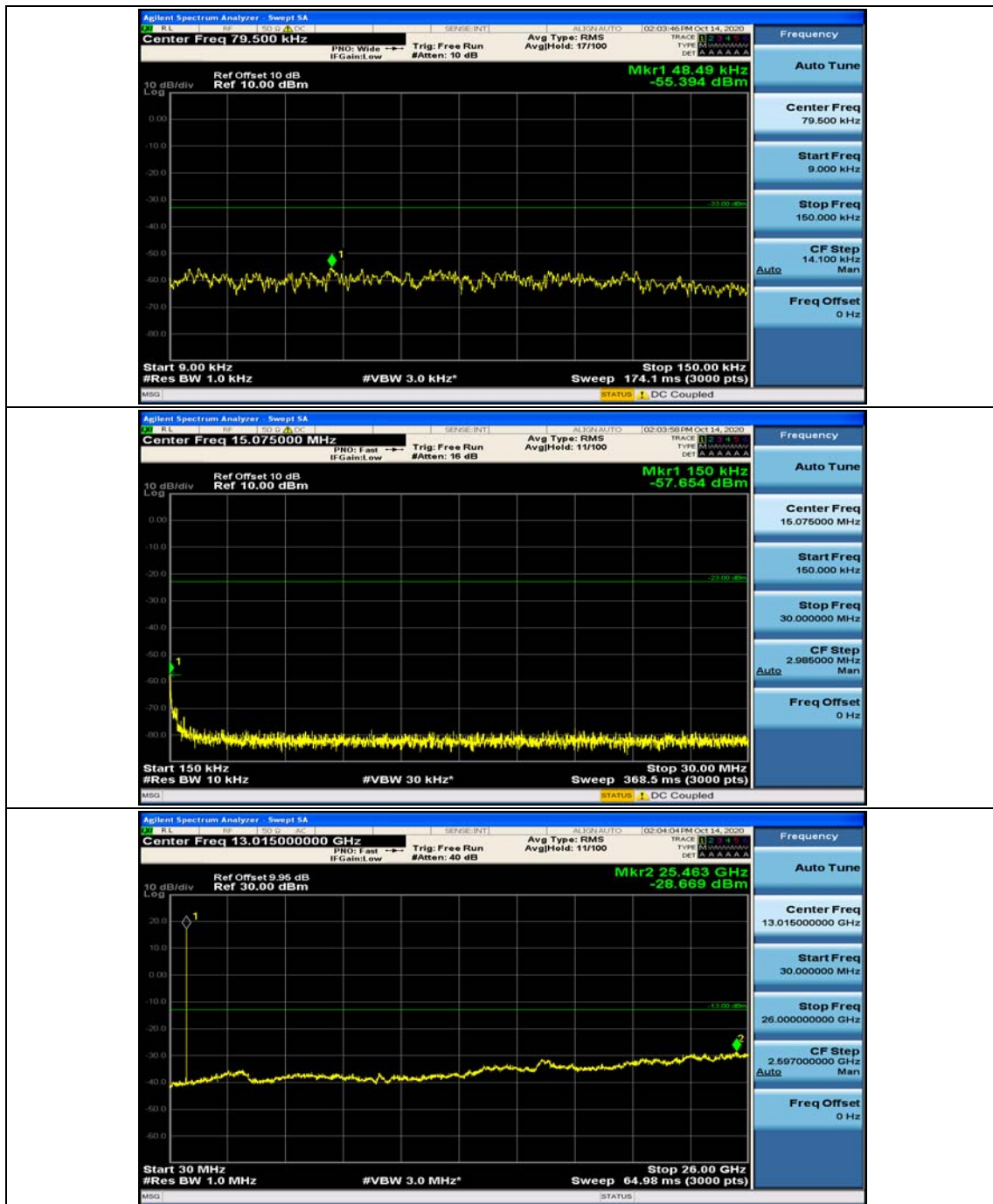




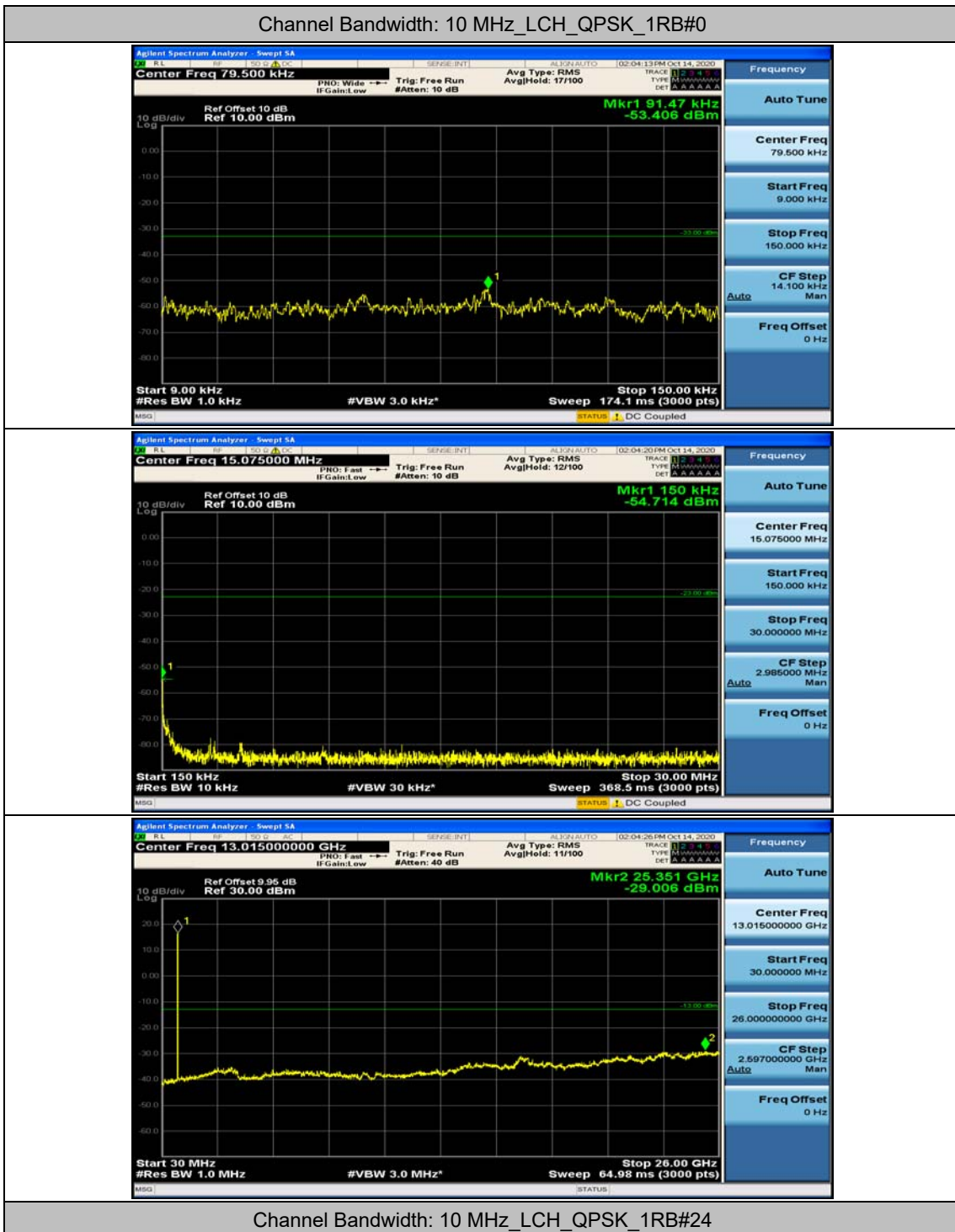


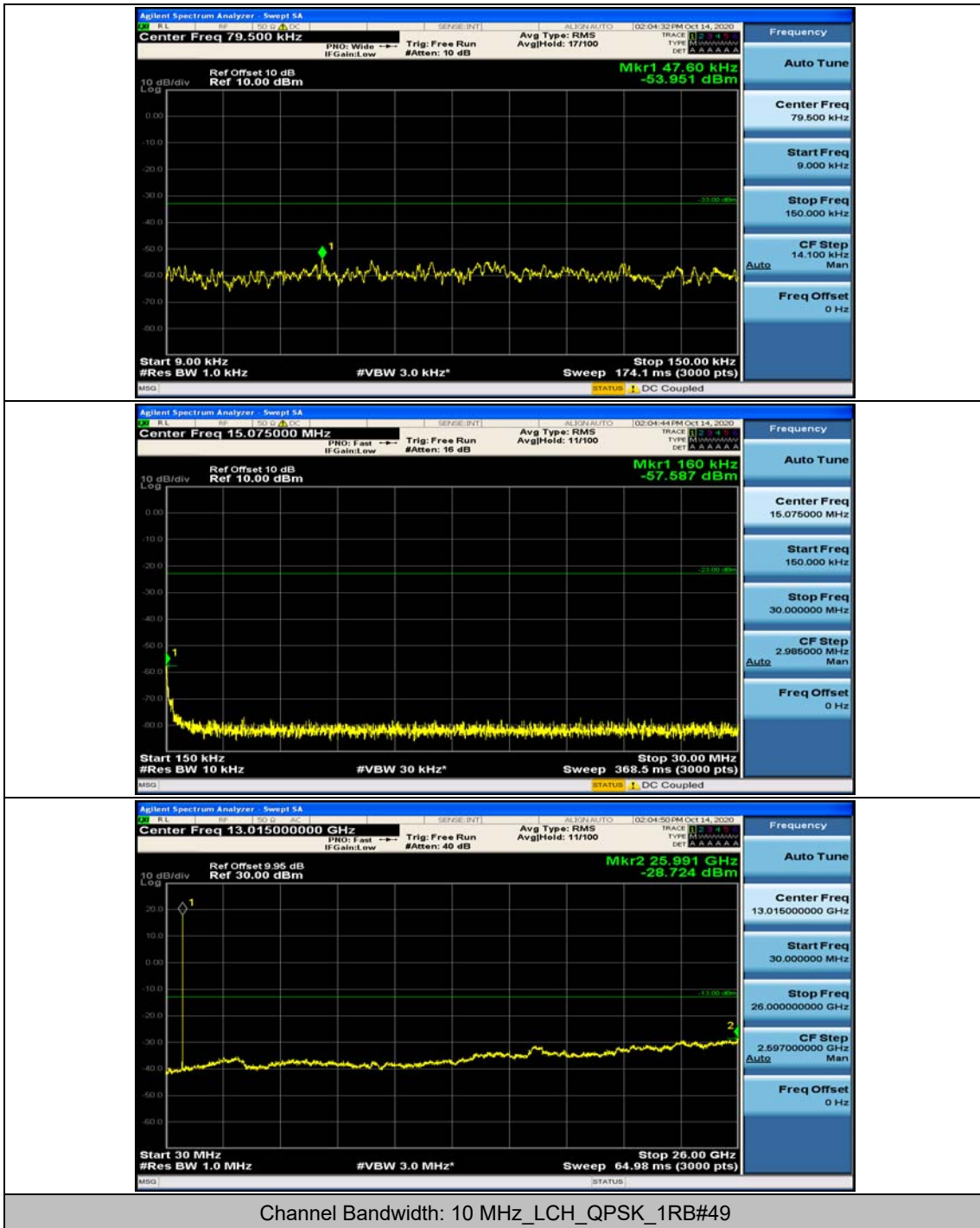


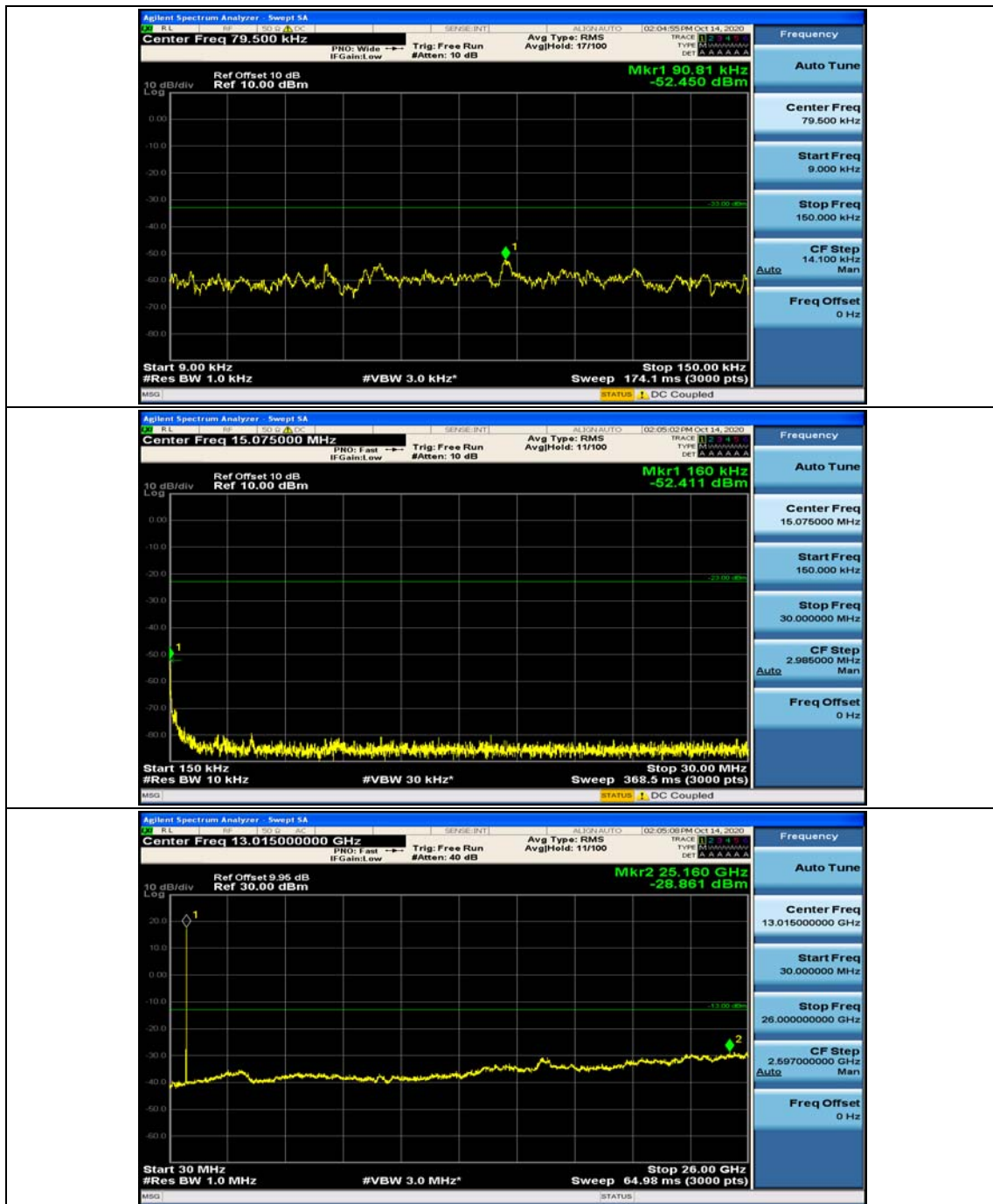


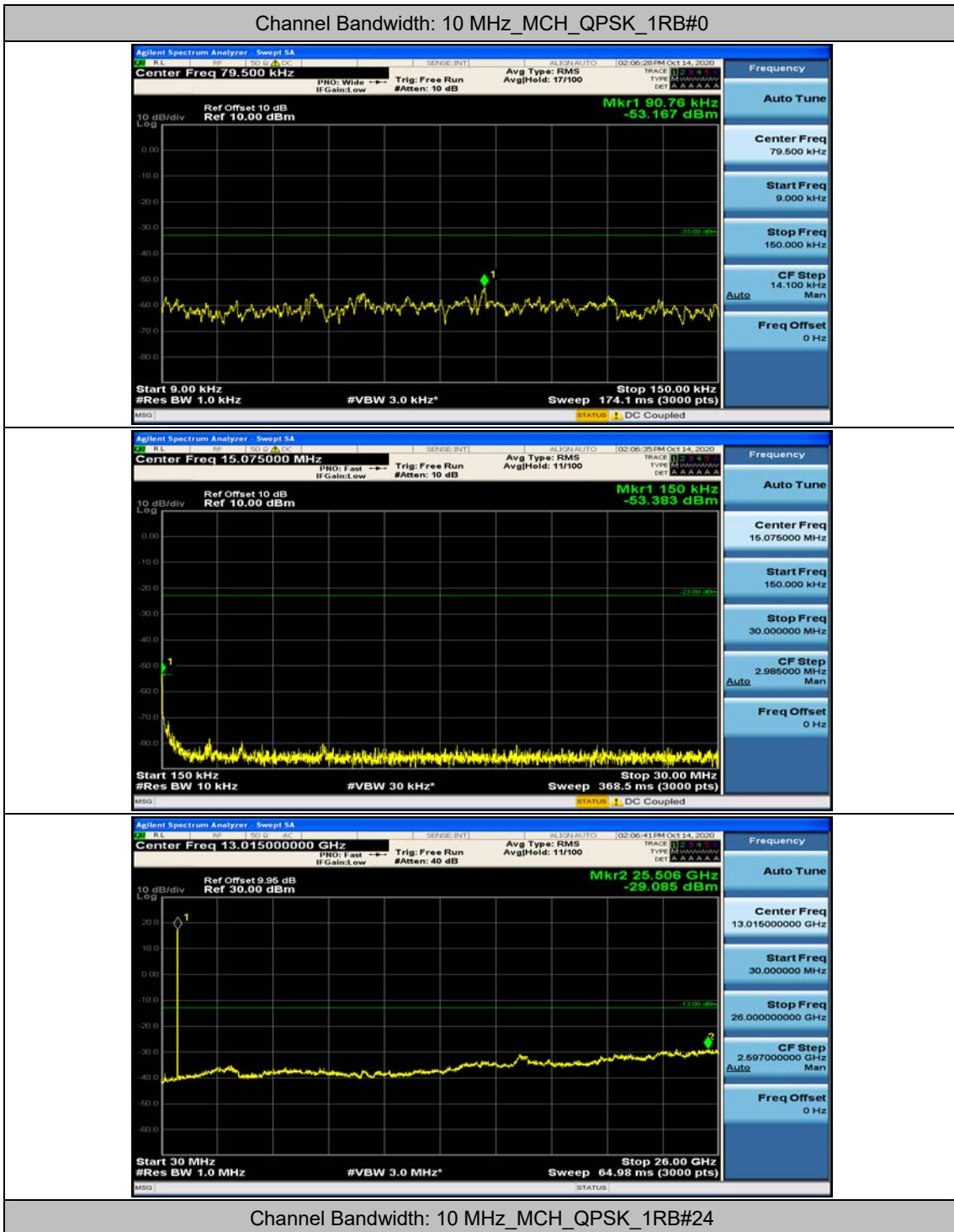


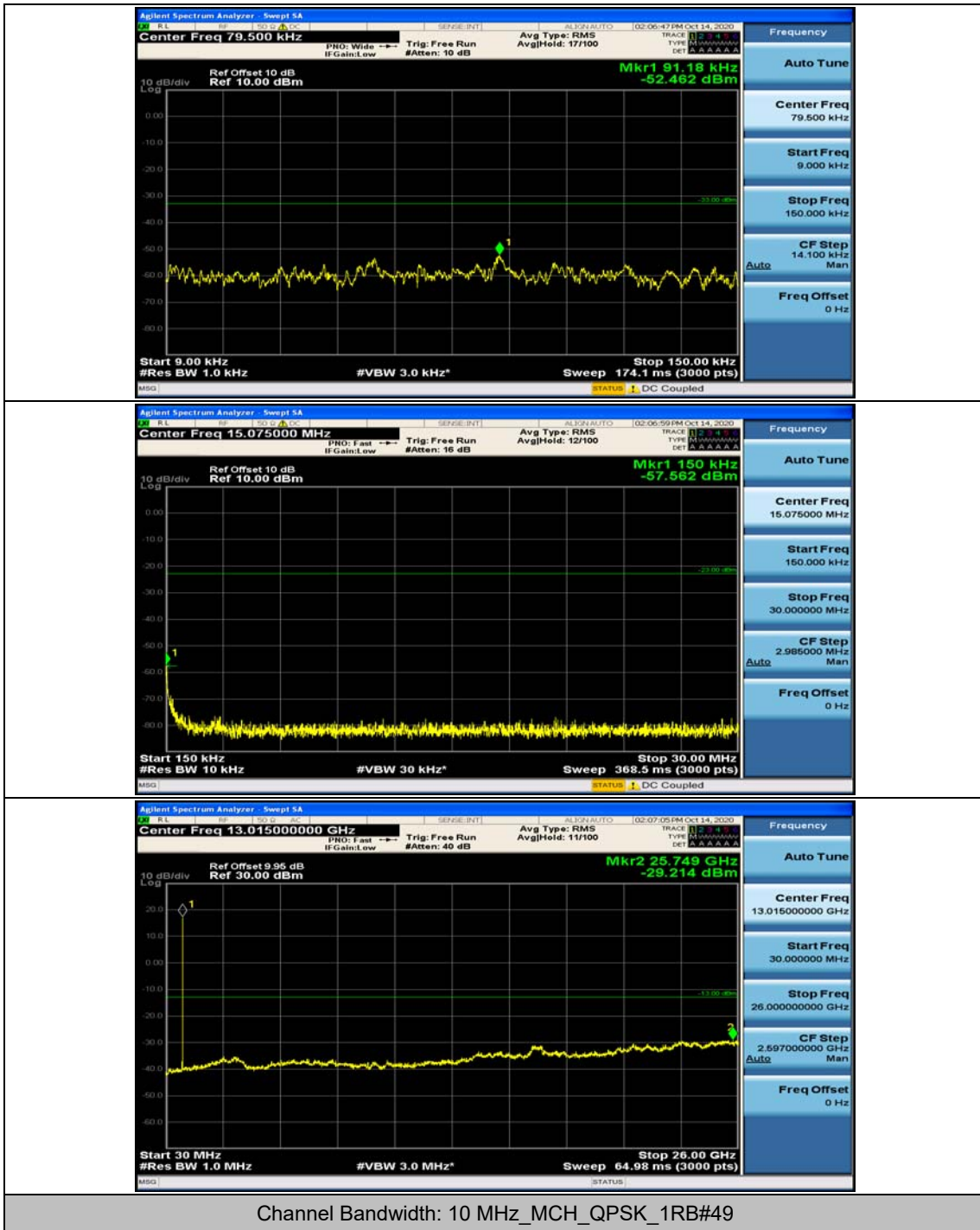
Channel Bandwidth: 10 MHz

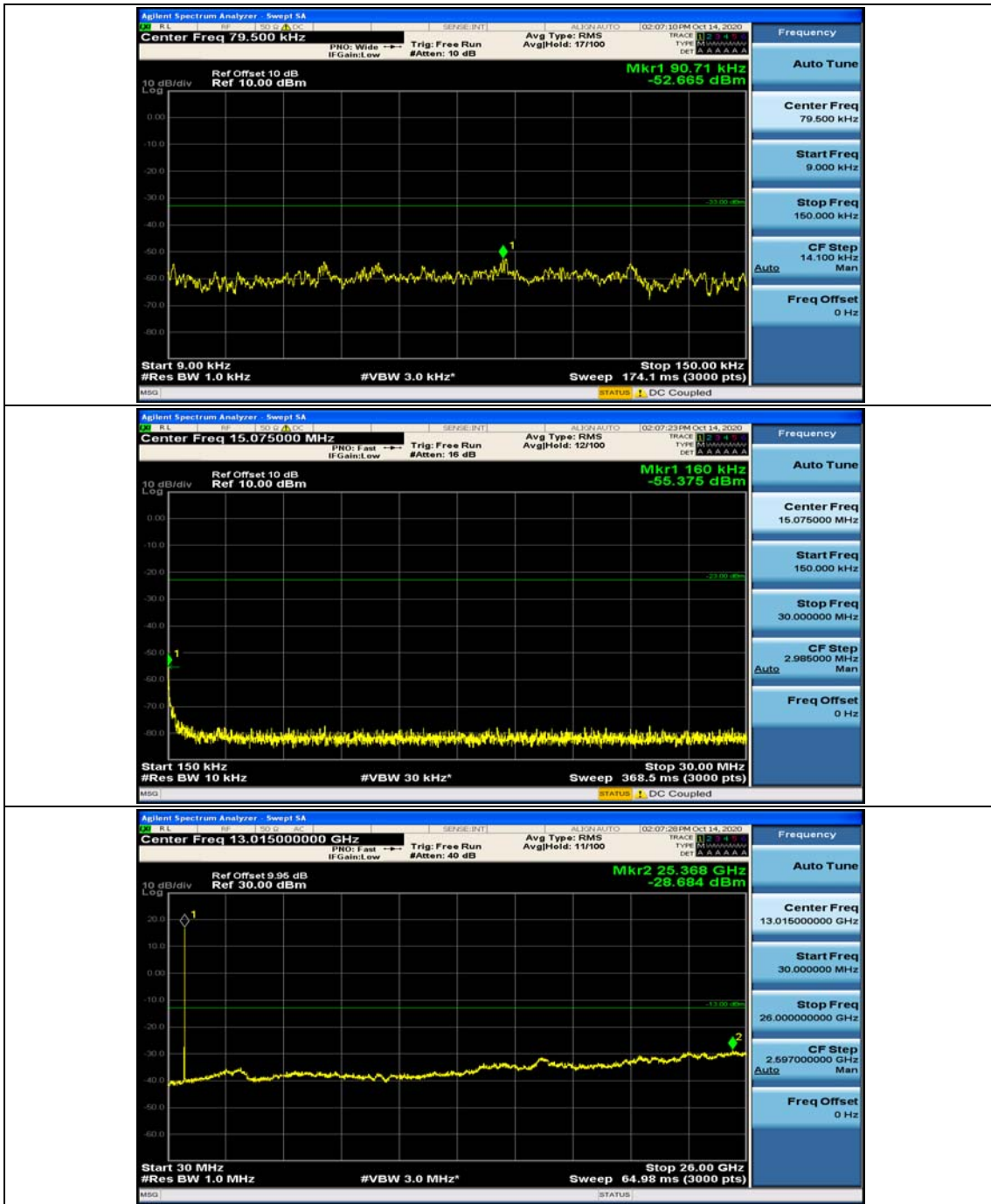


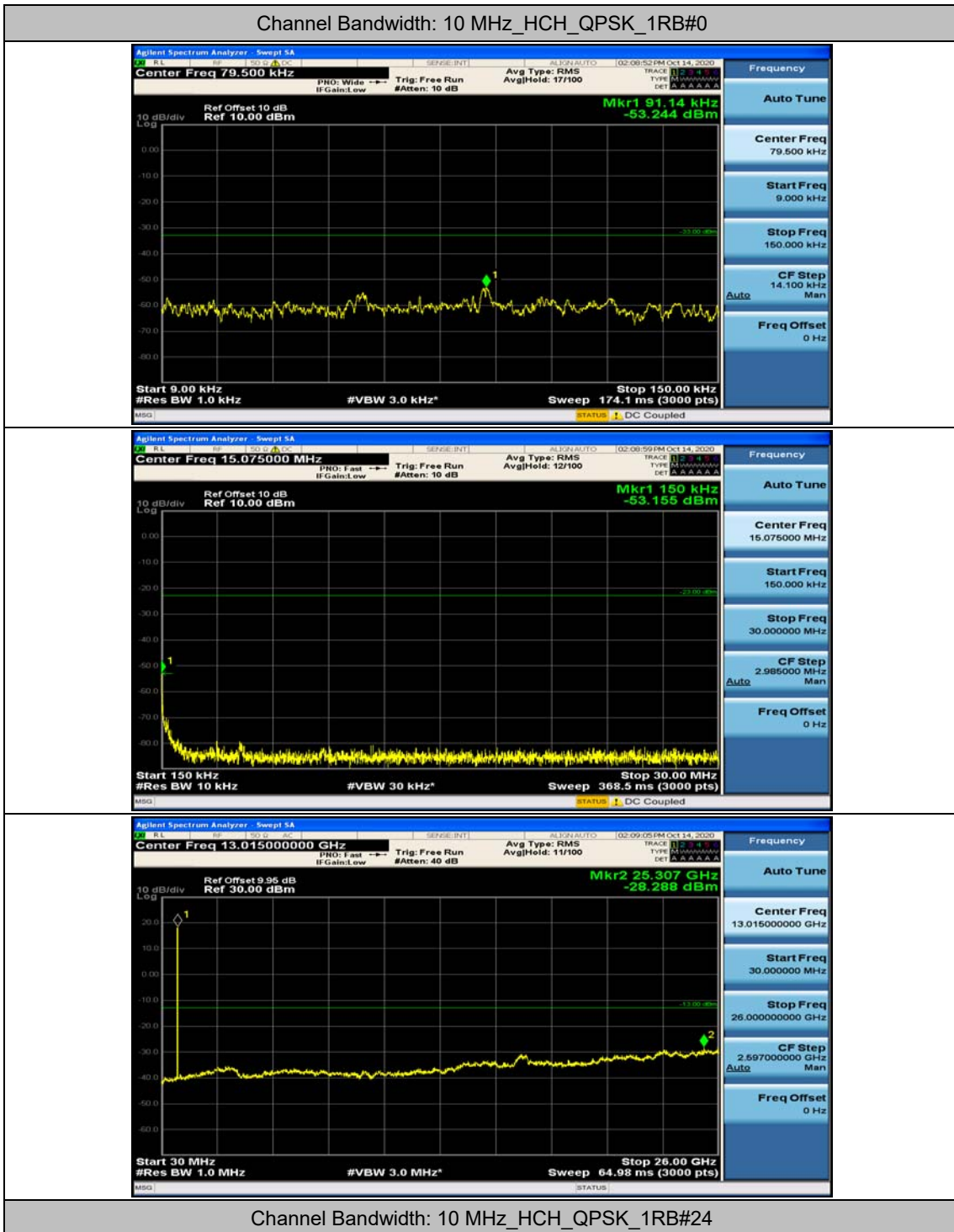


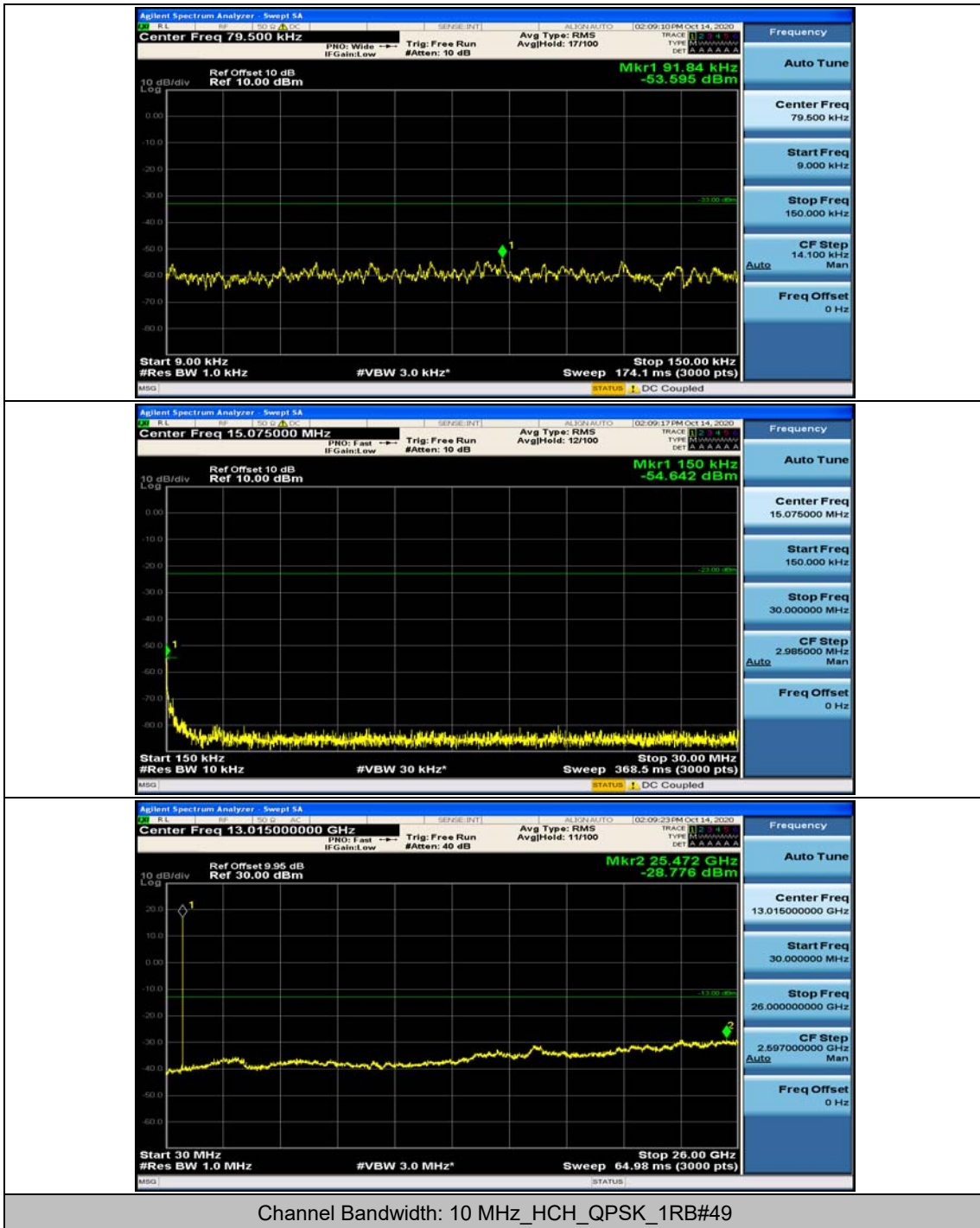


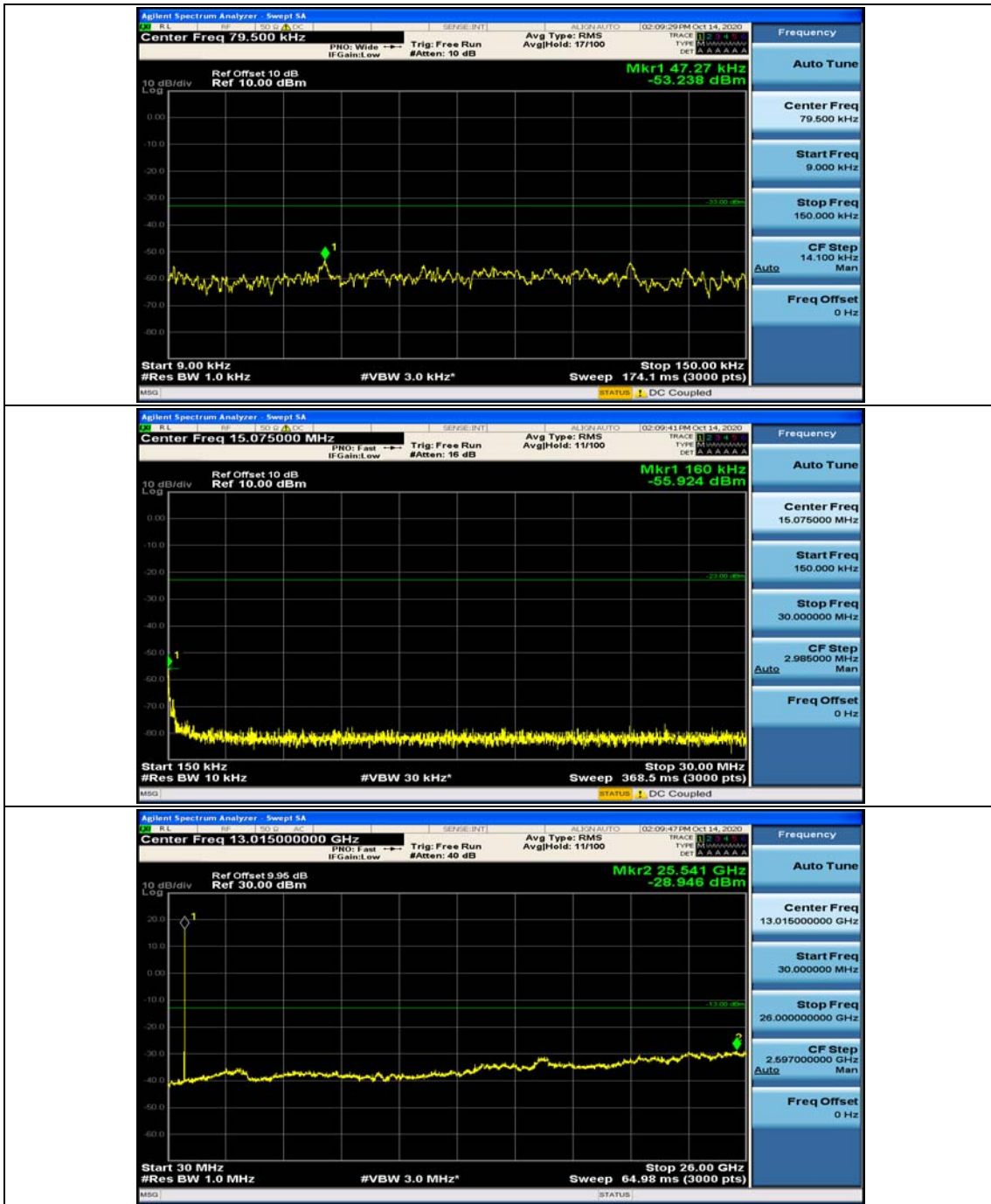


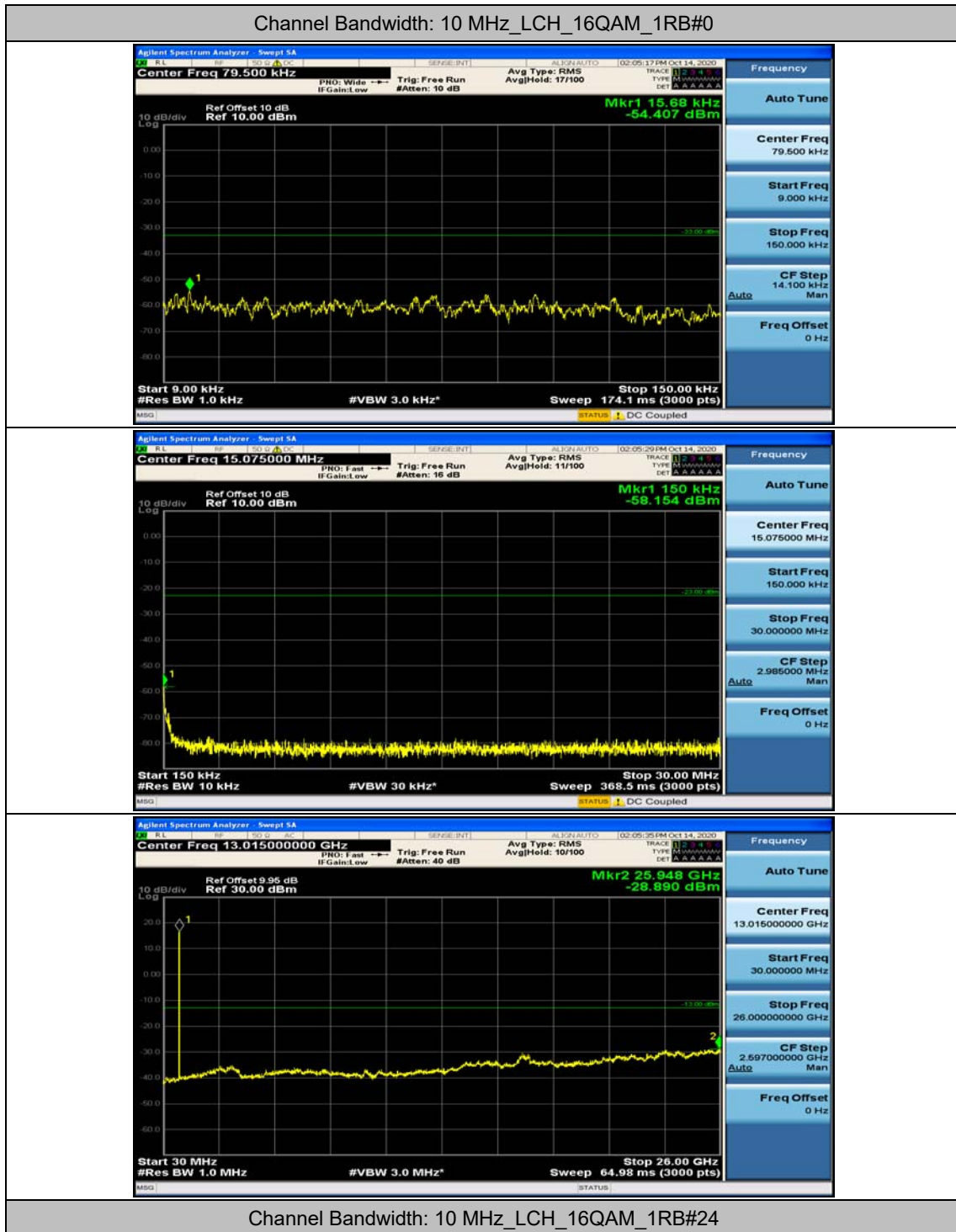


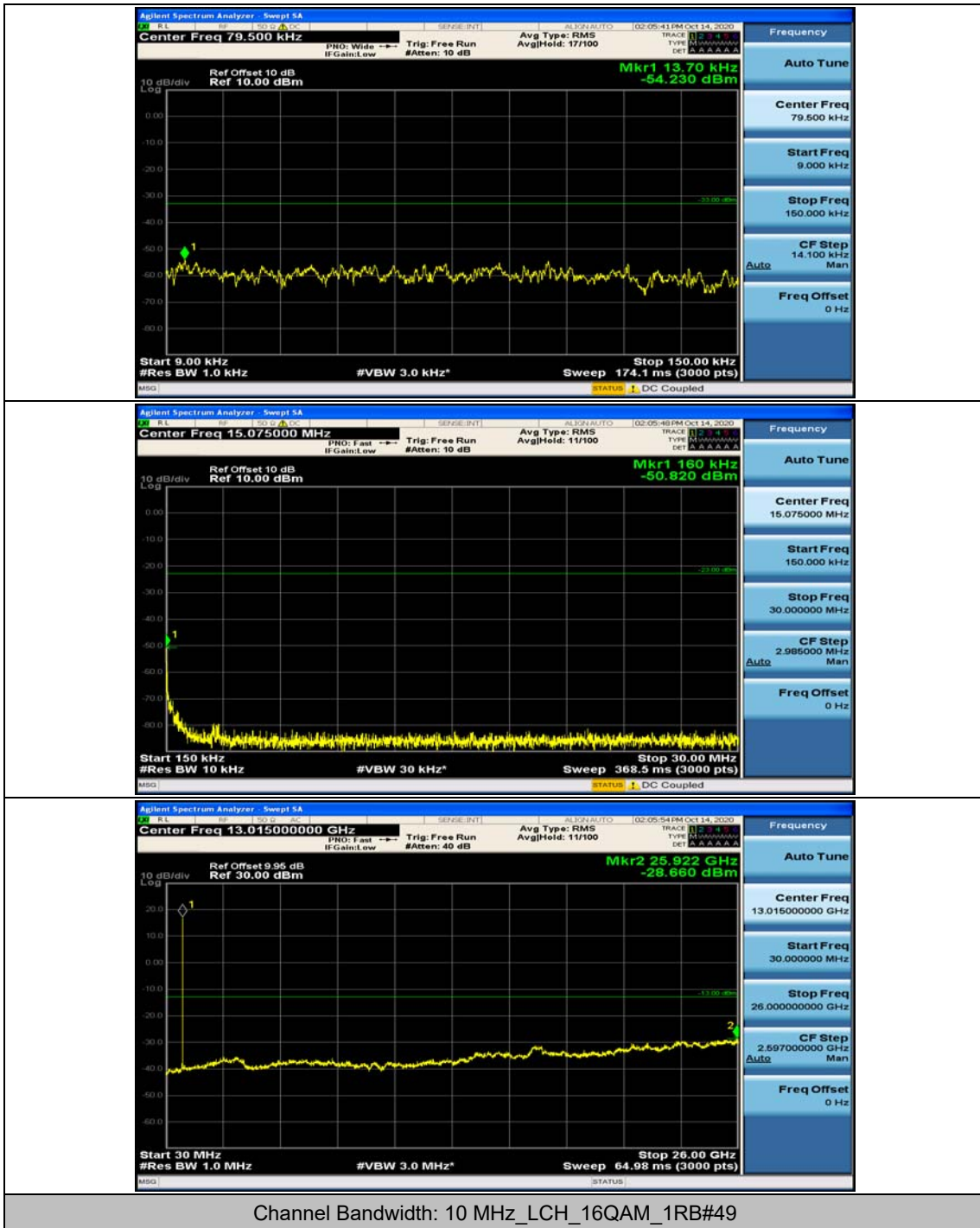




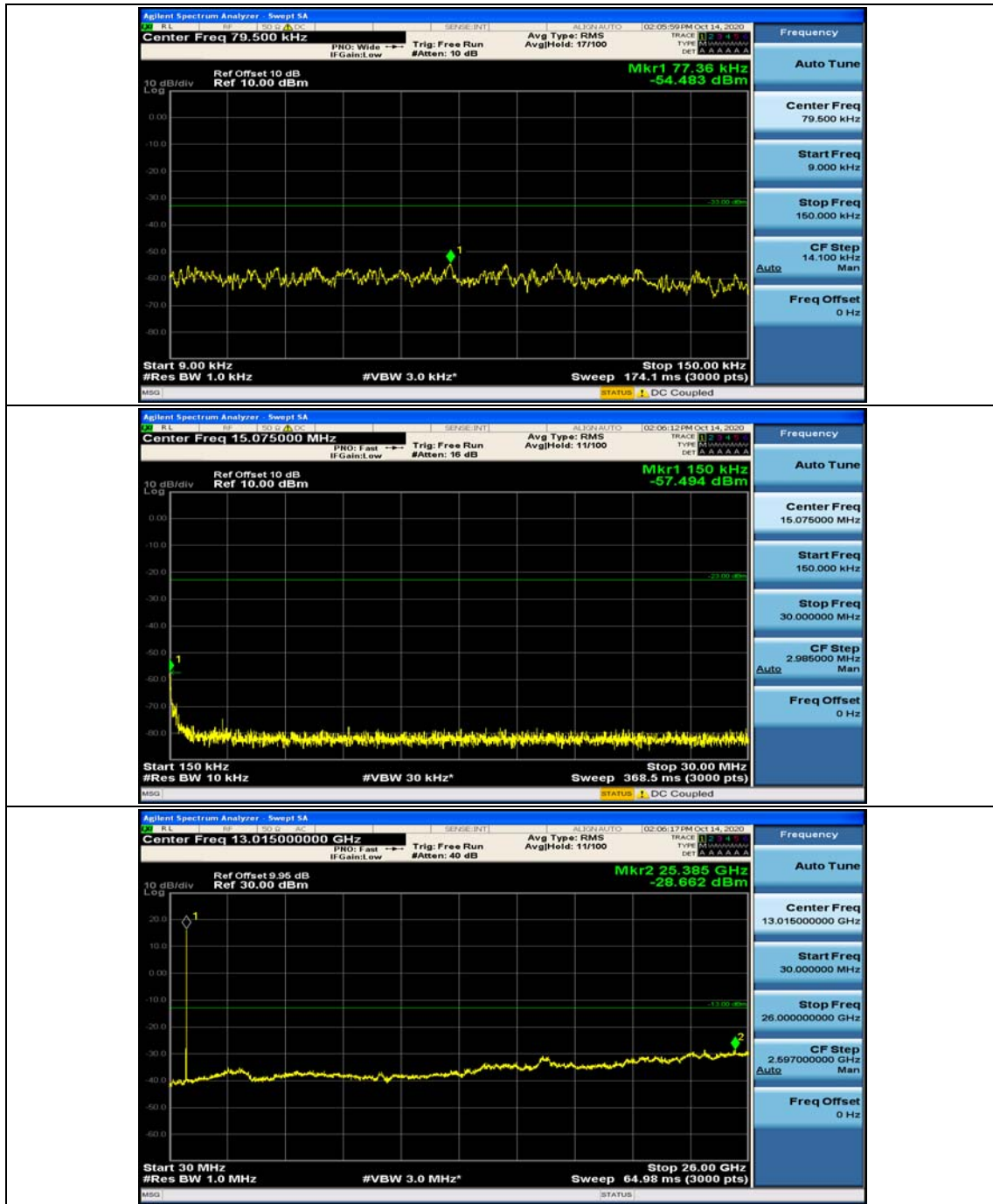


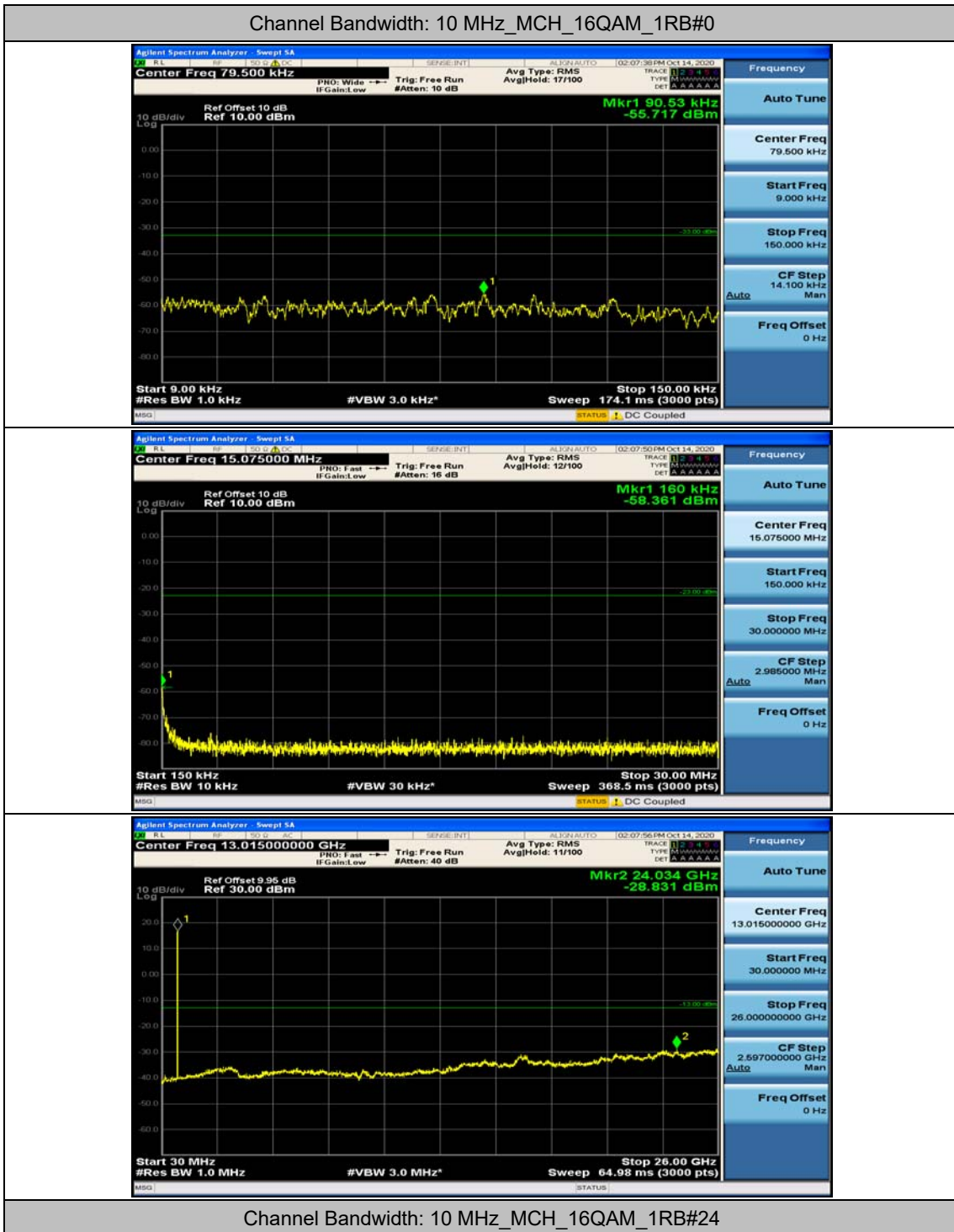


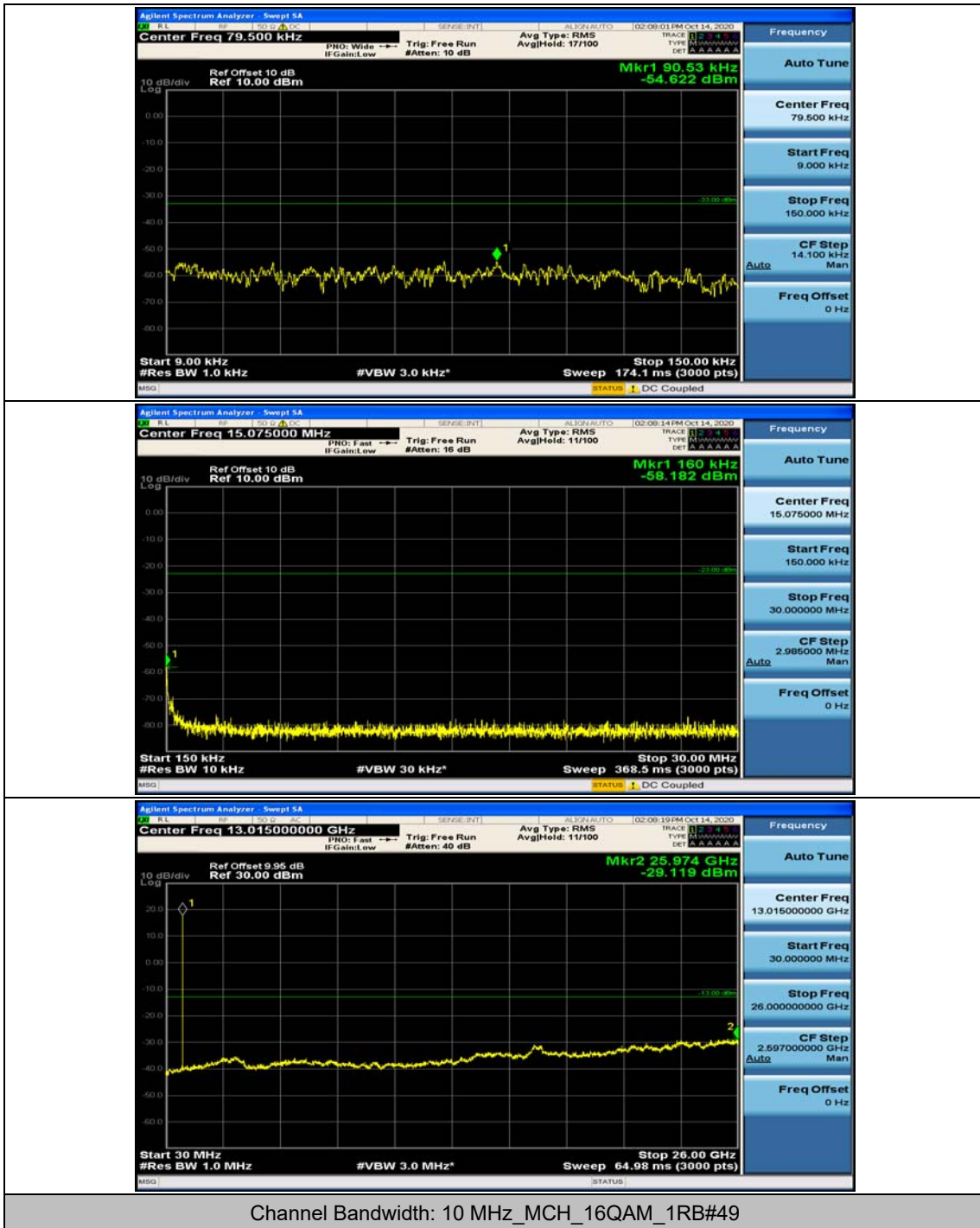


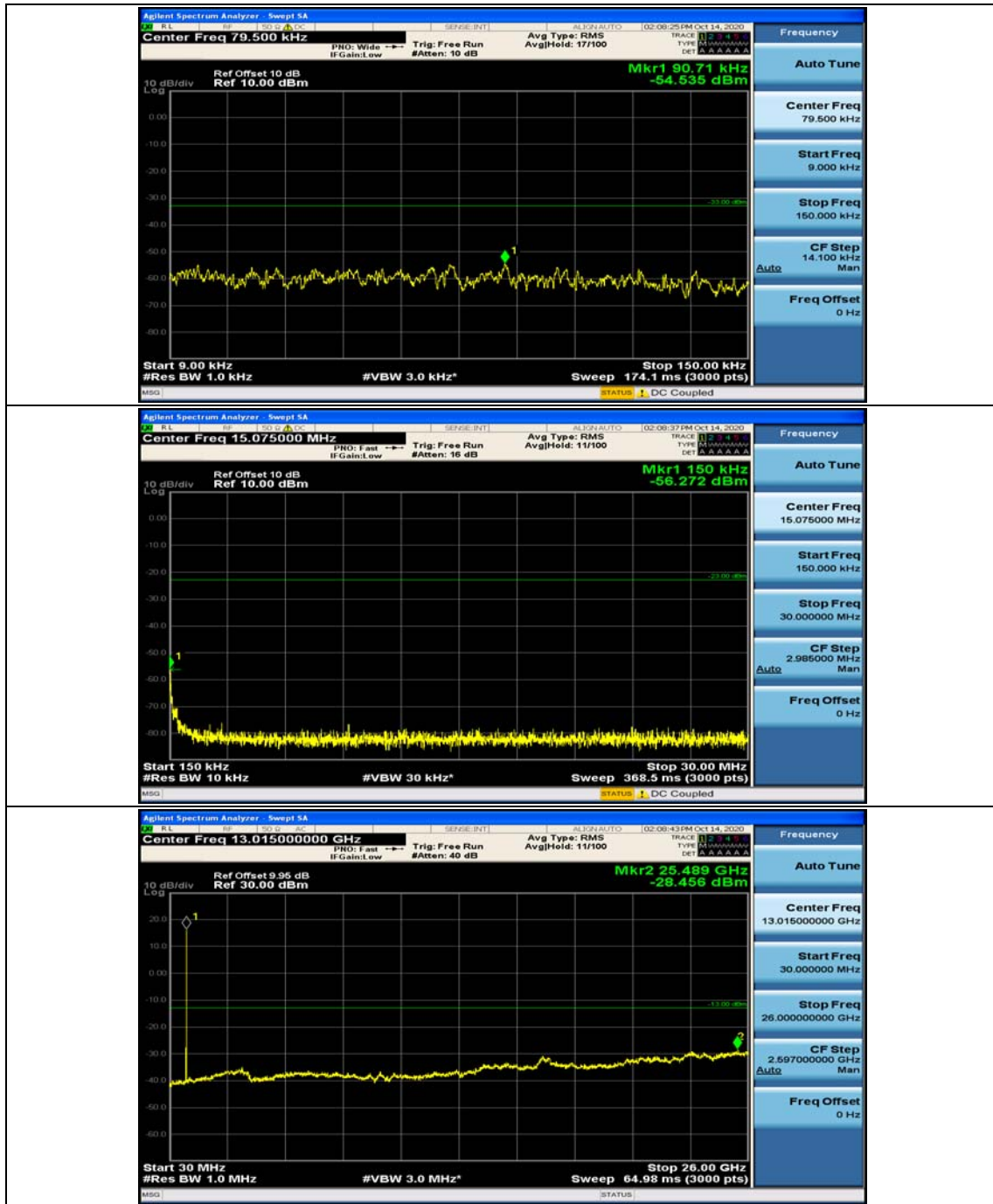


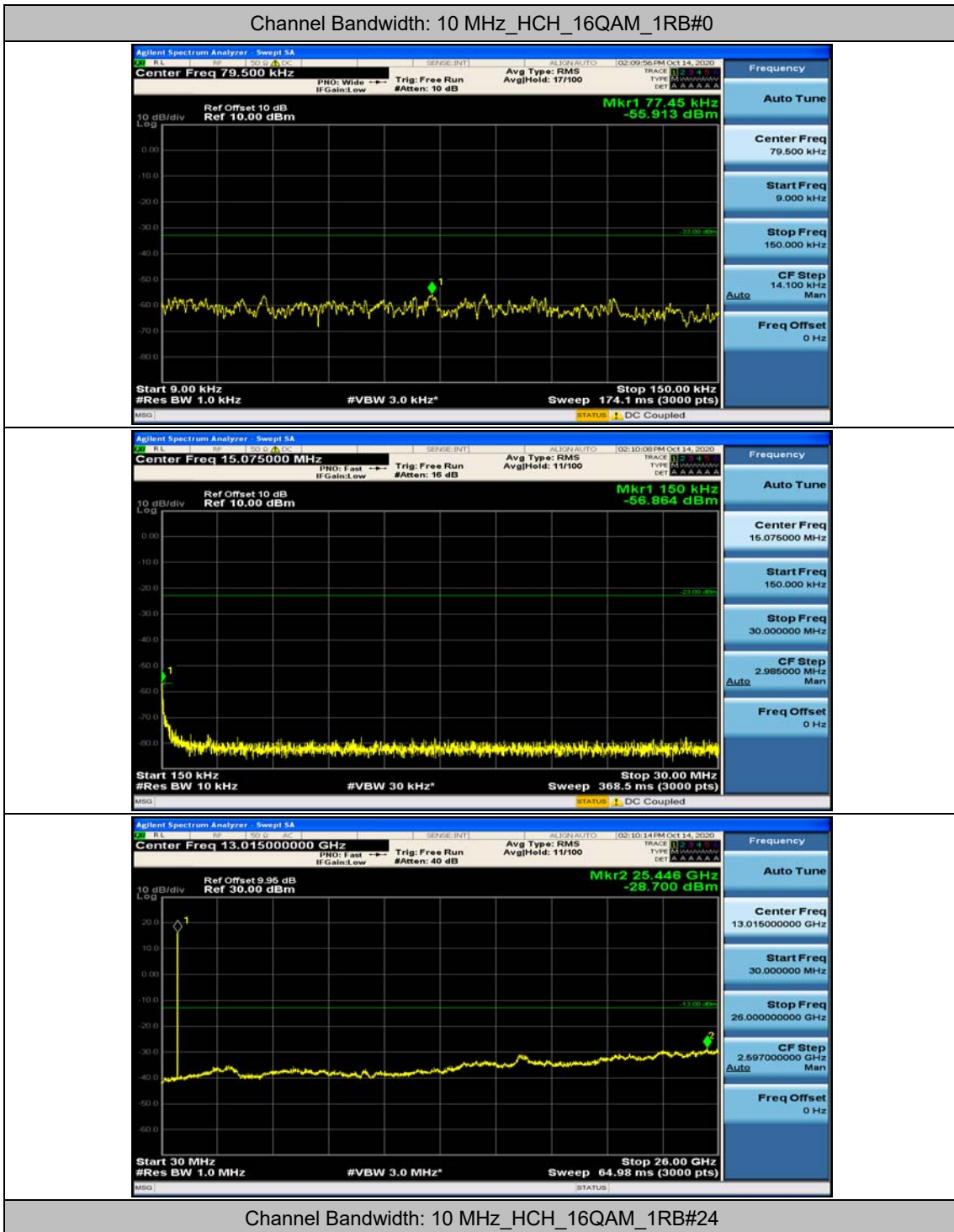
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

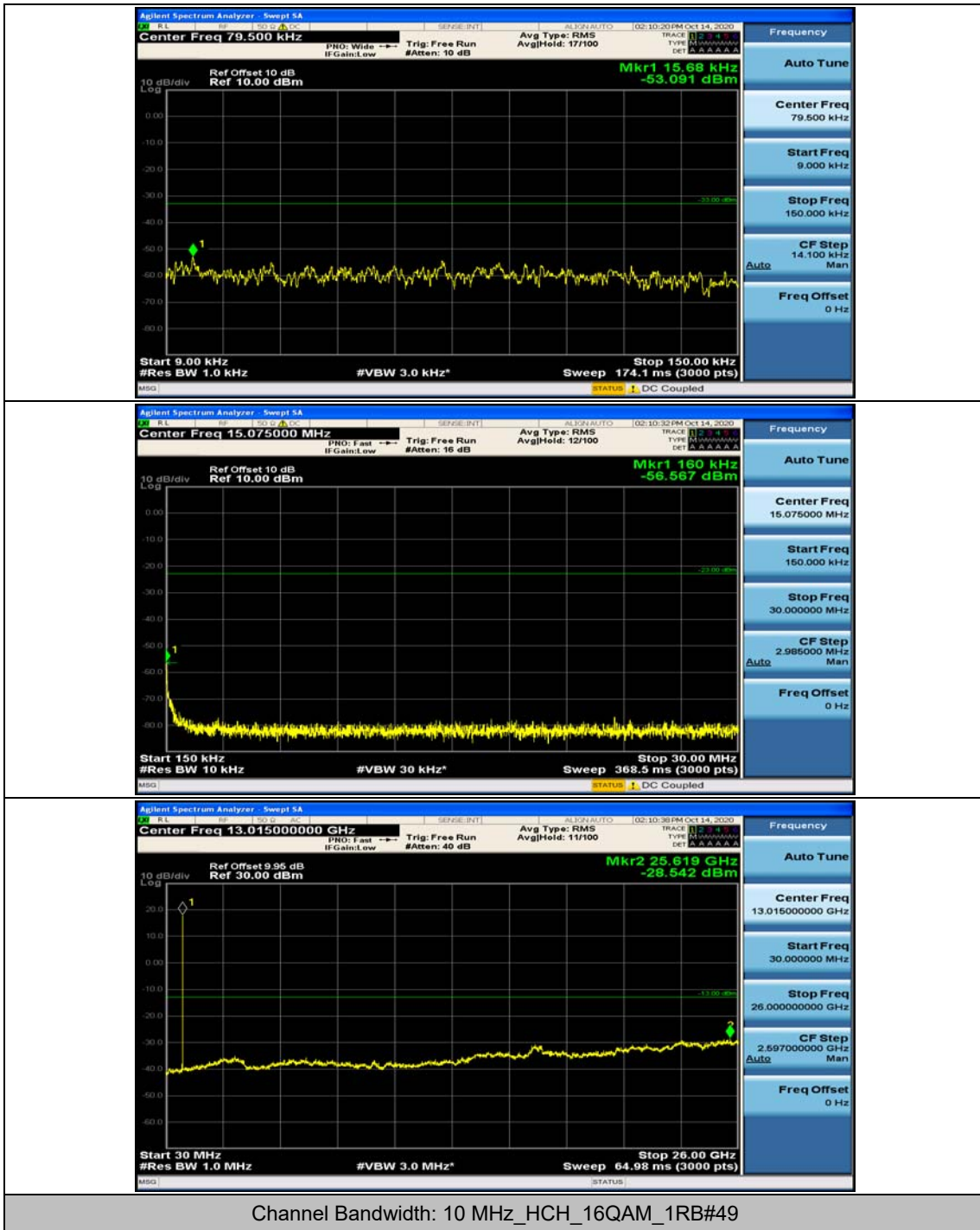


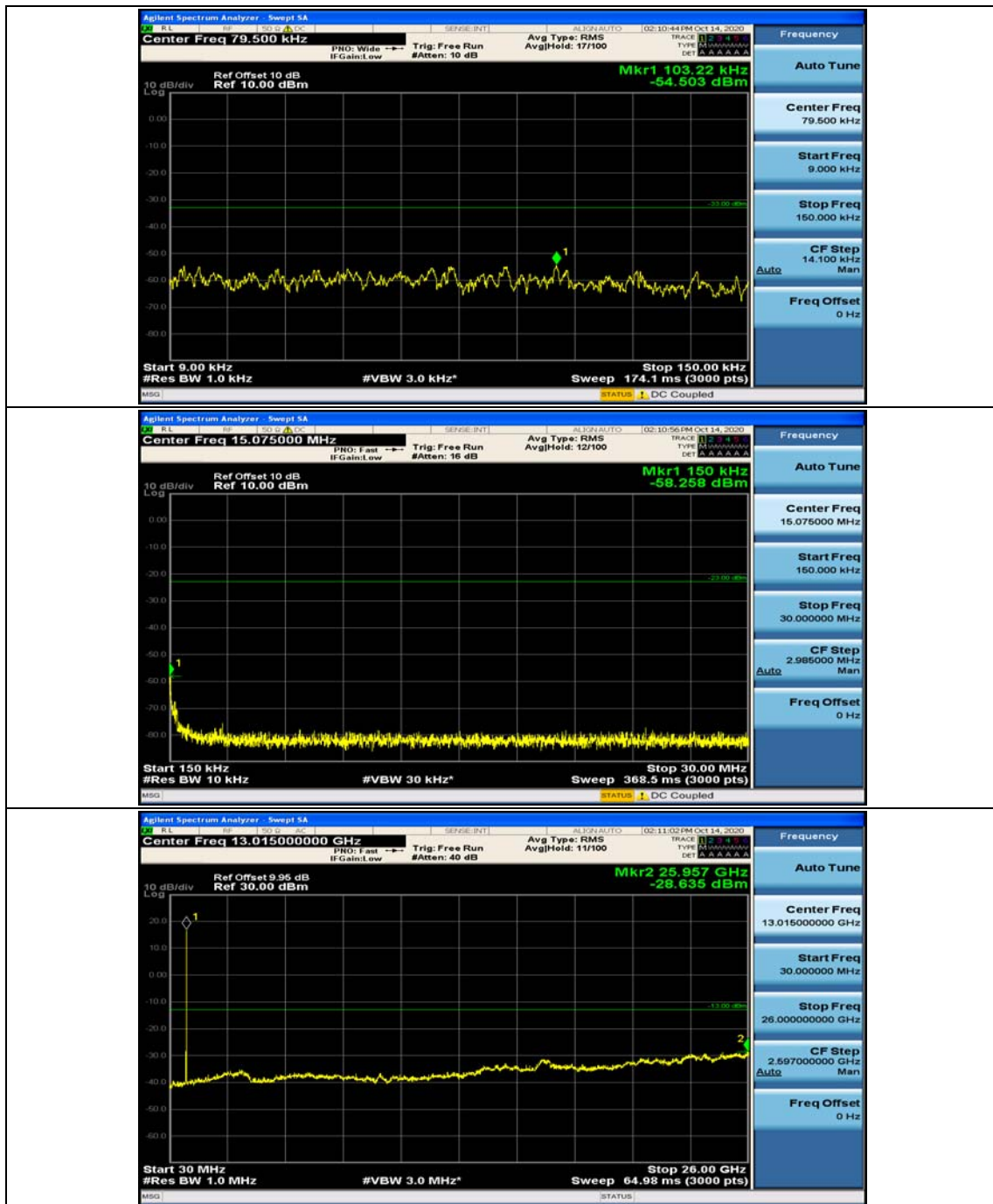












Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.18	0.005916	± 2.5	PASS
		VN	TN	-0.79	-0.001118	± 2.5	PASS
		VH	TN	1.84	0.002604	± 2.5	PASS
	MCH	VL	TN	3.29	0.004634	± 2.5	PASS
		VN	TN	2.67	0.003761	± 2.5	PASS
		VH	TN	0.52	0.000732	± 2.5	PASS
	HCH	VL	TN	2.19	0.003069	± 2.5	PASS
		VN	TN	-1.58	-0.002214	± 2.5	PASS
		VH	TN	0.04	0.000056	± 2.5	PASS
16QAM	LCH	VL	TN	-1.18	-0.001670	± 2.5	PASS
		VN	TN	1.1	0.001557	± 2.5	PASS
		VH	TN	-1	-0.001415	± 2.5	PASS
	MCH	VL	TN	2.57	0.003620	± 2.5	PASS
		VN	TN	3.03	0.004268	± 2.5	PASS
		VH	TN	-1.56	-0.002197	± 2.5	PASS
	HCH	VL	TN	0.58	0.000813	± 2.5	PASS
		VN	TN	1.35	0.001892	± 2.5	PASS
		VH	TN	2.85	0.003994	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.89	0.005506	± 2.5	PASS
		VN	-20	3.92	0.005548	± 2.5	PASS
		VN	-10	3.76	0.005322	± 2.5	PASS
		VN	0	2.28	0.003227	± 2.5	PASS
		VN	10	2.32	0.003284	± 2.5	PASS
		VN	20	2.67	0.003779	± 2.5	PASS
		VN	30	-0.24	-0.000340	± 2.5	PASS
		VN	40	3.91	0.005534	± 2.5	PASS
		VN	50	3.78	0.005350	± 2.5	PASS

	MCH	VN	-30	3.16	0.004451	± 2.5	PASS
		VN	-20	-1.26	-0.001775	± 2.5	PASS
		VN	-10	1.39	0.001958	± 2.5	PASS
		VN	0	1.88	0.002648	± 2.5	PASS
		VN	10	2.74	0.003859	± 2.5	PASS
		VN	20	3.33	0.004690	± 2.5	PASS
		VN	30	2.49	0.003507	± 2.5	PASS
		VN	40	-0.84	-0.001183	± 2.5	PASS
		VN	50	0.47	0.000662	± 2.5	PASS
	HCH	VN	-30	-0.6	-0.000841	± 2.5	PASS
		VN	-20	2.68	0.003756	± 2.5	PASS
		VN	-10	3.38	0.004737	± 2.5	PASS
		VN	0	-1.28	-0.001794	± 2.5	PASS
		VN	10	2.9	0.004064	± 2.5	PASS
		VN	20	4.47	0.006265	± 2.5	PASS
		VN	30	-1.09	-0.001528	± 2.5	PASS
		VN	40	2.94	0.004121	± 2.5	PASS
		VN	50	-1.12	-0.001570	± 2.5	PASS
16QAM	LCH	VN	-30	-1.84	-0.002604	± 2.5	PASS
		VN	-20	-0.29	-0.000410	± 2.5	PASS
		VN	-10	-0.48	-0.000679	± 2.5	PASS
		VN	0	-0.37	-0.000524	± 2.5	PASS
		VN	10	2.34	0.003312	± 2.5	PASS
		VN	20	3.07	0.004345	± 2.5	PASS
		VN	30	2.8	0.003963	± 2.5	PASS
		VN	40	1.97	0.002788	± 2.5	PASS
		VN	50	-1.87	-0.002647	± 2.5	PASS
	MCH	VN	-30	2.35	0.003294	± 2.5	PASS
		VN	-20	3.25	0.004555	± 2.5	PASS
		VN	-10	0.11	0.000154	± 2.5	PASS
		VN	0	0.8	0.001121	± 2.5	PASS
		VN	10	0.62	0.000869	± 2.5	PASS
		VN	20	0.16	0.000224	± 2.5	PASS
		VN	30	3.77	0.005284	± 2.5	PASS
		VN	40	0.65	0.000911	± 2.5	PASS
		VN	50	2.51	0.003518	± 2.5	PASS
	HCH	VN	-30	-0.43	-0.000603	± 2.5	PASS
		VN	-20	-0.91	-0.001275	± 2.5	PASS
		VN	-10	-1.89	-0.002649	± 2.5	PASS
		VN	0	1.16	0.001626	± 2.5	PASS
		VN	10	0.59	0.000827	± 2.5	PASS

		VN	20	1.42	0.001990	± 2.5	PASS
		VN	30	-0.25	-0.000350	± 2.5	PASS
		VN	40	-0.1	-0.000140	± 2.5	PASS
		VN	50	0.37	0.000519	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.76	-0.002482	± 2.5	PASS
		VN	TN	3.09	0.004358	± 2.5	PASS
		VH	TN	-1.08	-0.001523	± 2.5	PASS
	MCH	VL	TN	3.95	0.005563	± 2.5	PASS
		VN	TN	2.44	0.003437	± 2.5	PASS
		VH	TN	-0.49	-0.000690	± 2.5	PASS
	HCH	VL	TN	2.9	0.004079	± 2.5	PASS
		VN	TN	2.17	0.003052	± 2.5	PASS
		VH	TN	-0.28	-0.000394	± 2.5	PASS
16QAM	LCH	VL	TN	3.53	0.004979	± 2.5	PASS
		VN	TN	4.33	0.006107	± 2.5	PASS
		VH	TN	2.65	0.003738	± 2.5	PASS
	MCH	VL	TN	4.21	0.005930	± 2.5	PASS
		VN	TN	-0.3	-0.000423	± 2.5	PASS
		VH	TN	-1.53	-0.002155	± 2.5	PASS
	HCH	VL	TN	0.53	0.000745	± 2.5	PASS
		VN	TN	2.33	0.003277	± 2.5	PASS
		VH	TN	2.4	0.003376	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.87	-0.002638	± 2.5	PASS
		VN	-20	-0.92	-0.001298	± 2.5	PASS
		VN	-10	1.61	0.002271	± 2.5	PASS
		VN	0	2.9	0.004090	± 2.5	PASS
		VN	10	4.87	0.006869	± 2.5	PASS
		VN	20	3.09	0.004358	± 2.5	PASS
		VN	30	4.35	0.006135	± 2.5	PASS
		VN	40	-1.35	-0.001904	± 2.5	PASS
		VN	50	3.93	0.005543	± 2.5	PASS
	MCH	VN	-30	1.97	0.002775	± 2.5	PASS

	VN	VN	-20	4.07	0.005732	± 2.5	PASS
		VN	-10	-0.59	-0.000831	± 2.5	PASS
		VN	0	0.88	0.001239	± 2.5	PASS
		VN	10	-0.15	-0.000211	± 2.5	PASS
		VN	20	-0.79	-0.001113	± 2.5	PASS
		VN	30	0.22	0.000310	± 2.5	PASS
		VN	40	4.99	0.007028	± 2.5	PASS
		VN	50	4.45	0.006268	± 2.5	PASS
	HCH	VN	-30	2.14	0.003010	± 2.5	PASS
		VN	-20	1.88	0.002644	± 2.5	PASS
		VN	-10	1.82	0.002560	± 2.5	PASS
		VN	0	0.93	0.001308	± 2.5	PASS
		VN	10	-0.78	-0.001097	± 2.5	PASS
		VN	20	0.8	0.001125	± 2.5	PASS
		VN	30	-0.24	-0.000338	± 2.5	PASS
		VN	40	3.9	0.005485	± 2.5	PASS
		VN	50	0.34	0.000478	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.77	-0.002493
VN	-20			3.48	0.004901	± 2.5	PASS
VN	-10			4.91	0.006915	± 2.5	PASS
VN	0			1.29	0.001817	± 2.5	PASS
VN	10			3.29	0.004634	± 2.5	PASS
VN	20			-1.54	-0.002169	± 2.5	PASS
VN	30			4.32	0.006085	± 2.5	PASS
VN	40			-1.84	-0.002592	± 2.5	PASS
VN	50			0.54	0.000761	± 2.5	PASS
MCH	VN		-30	1.78	0.002504	± 2.5	PASS
	VN		-20	-1.53	-0.002152	± 2.5	PASS
	VN		-10	-1.9	-0.002672	± 2.5	PASS
	VN		0	-1.81	-0.002546	± 2.5	PASS
	VN		10	-1.03	-0.001449	± 2.5	PASS
	VN		20	-0.32	-0.000450	± 2.5	PASS
	VN		30	-0.87	-0.001224	± 2.5	PASS
	VN		40	4.34	0.006104	± 2.5	PASS
	VN		50	3.59	0.005049	± 2.5	PASS
HCH	VN		-30	4.48	0.006301	± 2.5	PASS
	VN		-20	4.64	0.006526	± 2.5	PASS
	VN		-10	0.77	0.001083	± 2.5	PASS
	VN		0	2.77	0.003896	± 2.5	PASS
	VN		10	-0.19	-0.000267	± 2.5	PASS
	VN		20	-1.66	-0.002335	± 2.5	PASS

		VN	30	2.75	0.003868	± 2.5	PASS
		VN	40	2.81	0.003952	± 2.5	PASS
		VN	50	-0.44	-0.000619	± 2.5	PASS