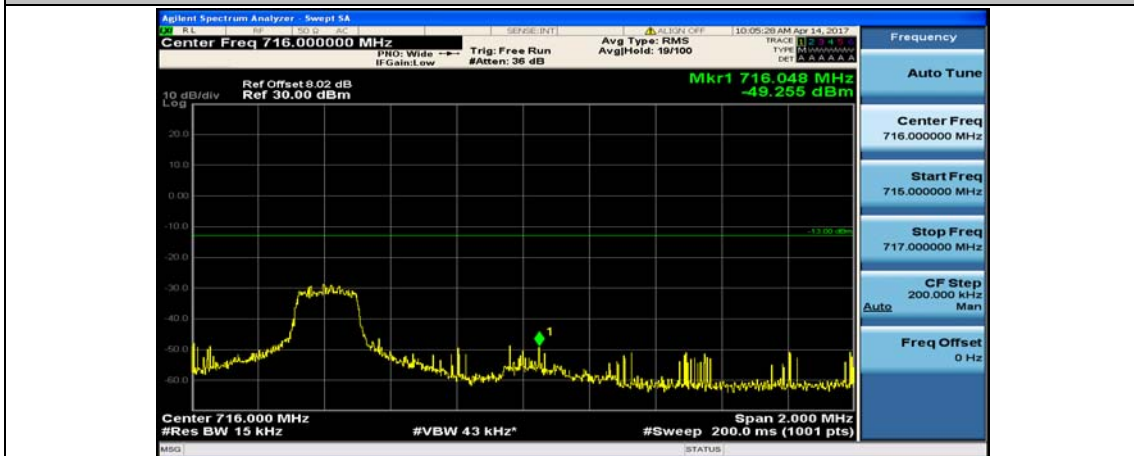




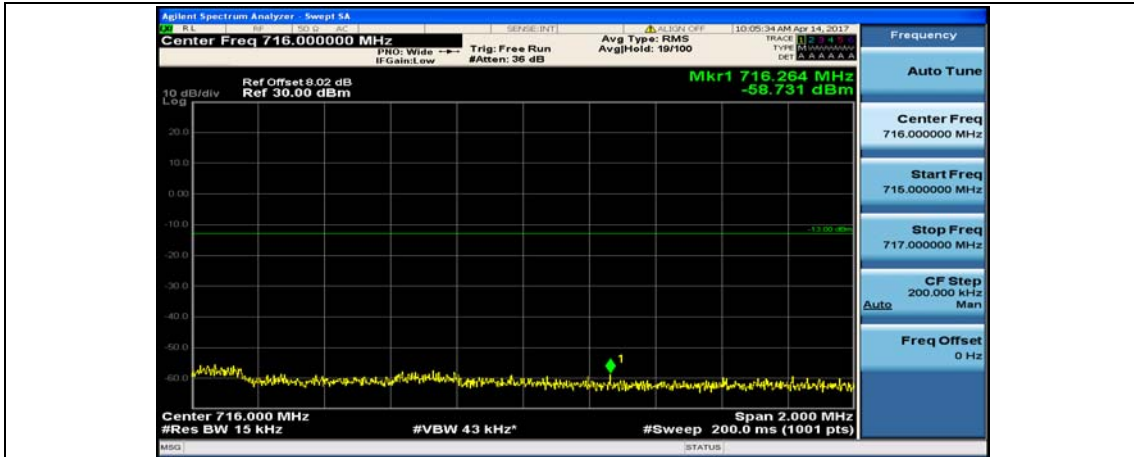
Channel Bandwidth: 10 MHz\_LCH\_QPSK\_50RB#0



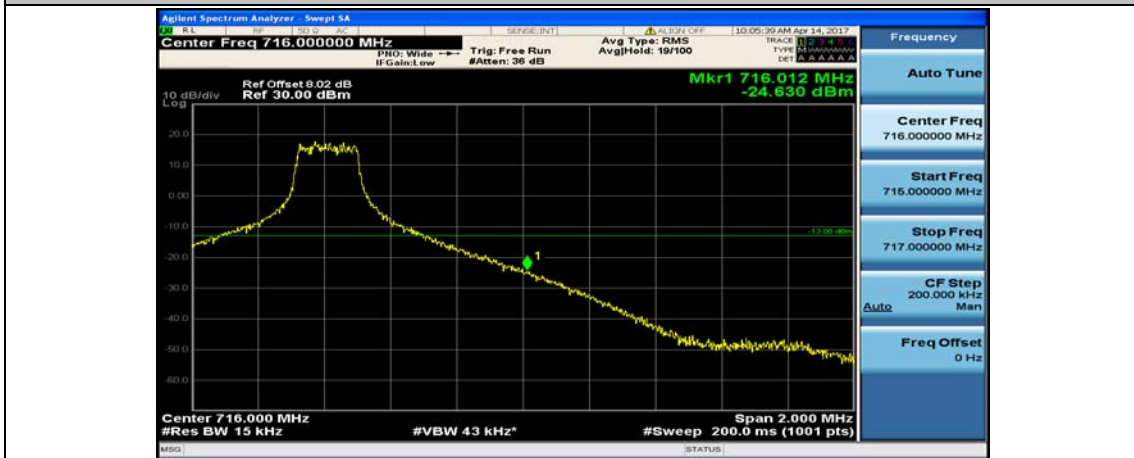
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0



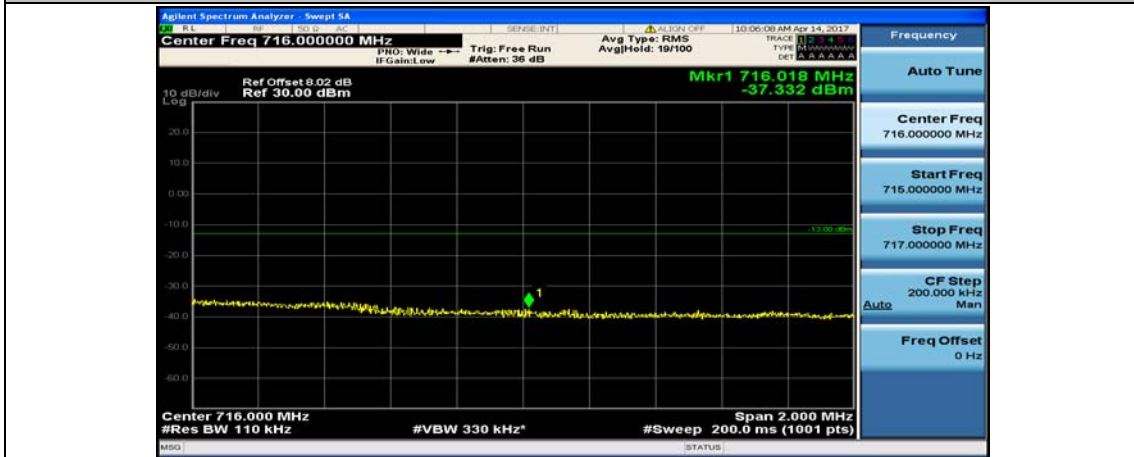
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#49



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#0

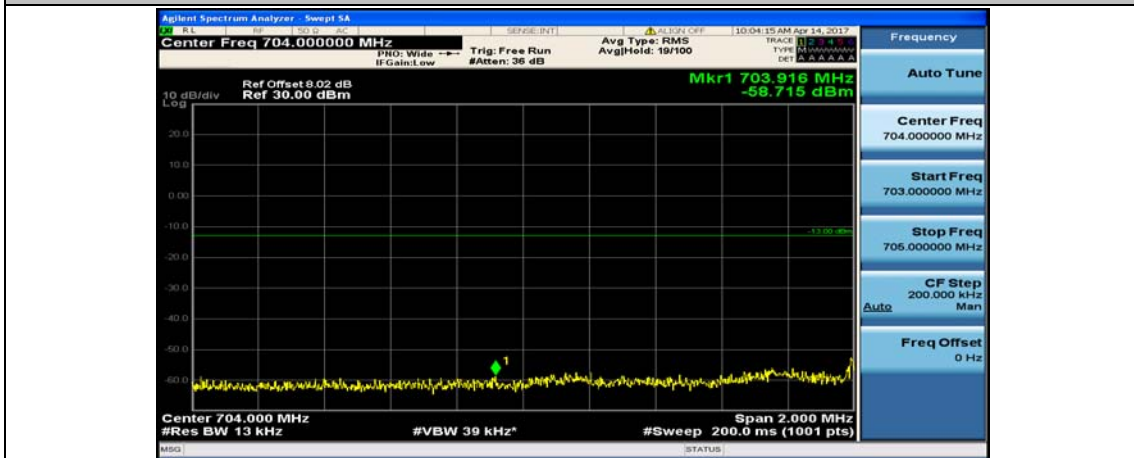


Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#12

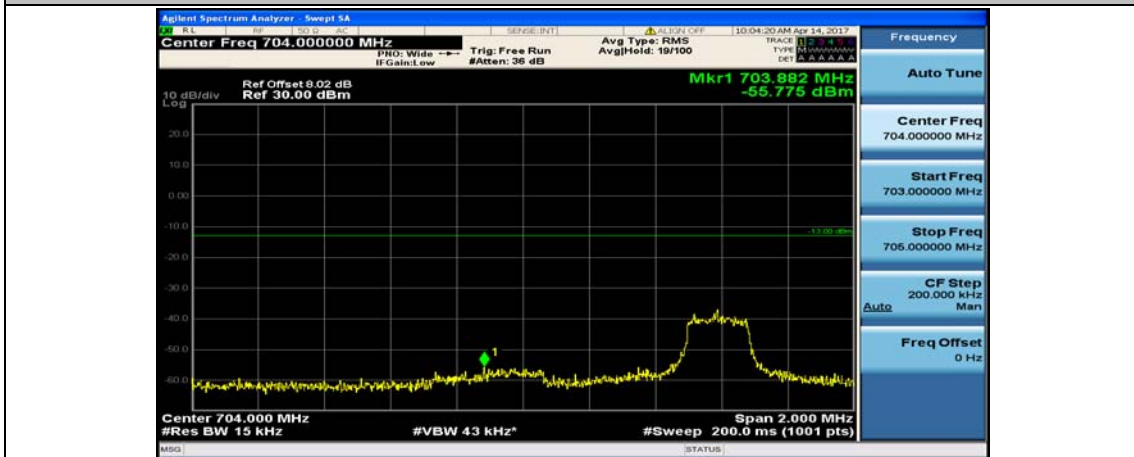




Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#24



Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#49



Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#0



Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#12



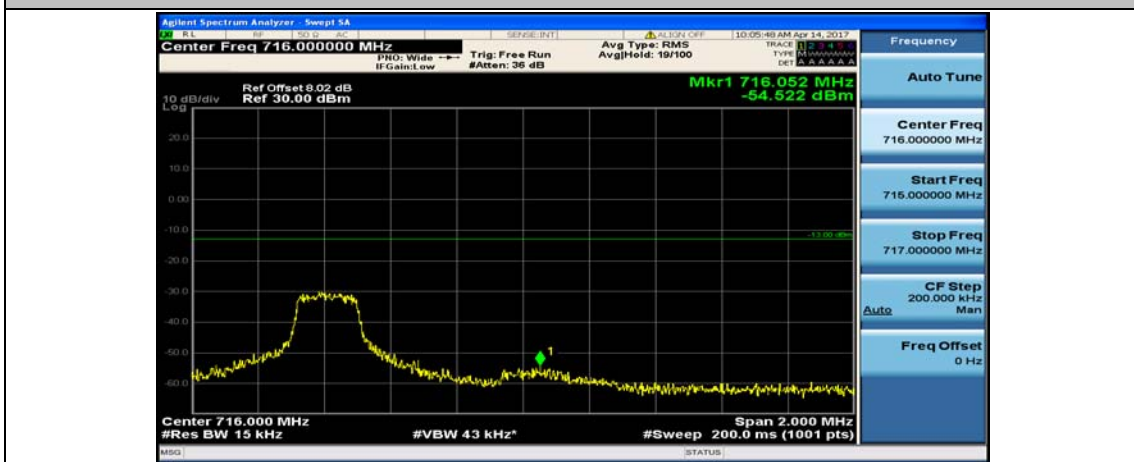
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#25



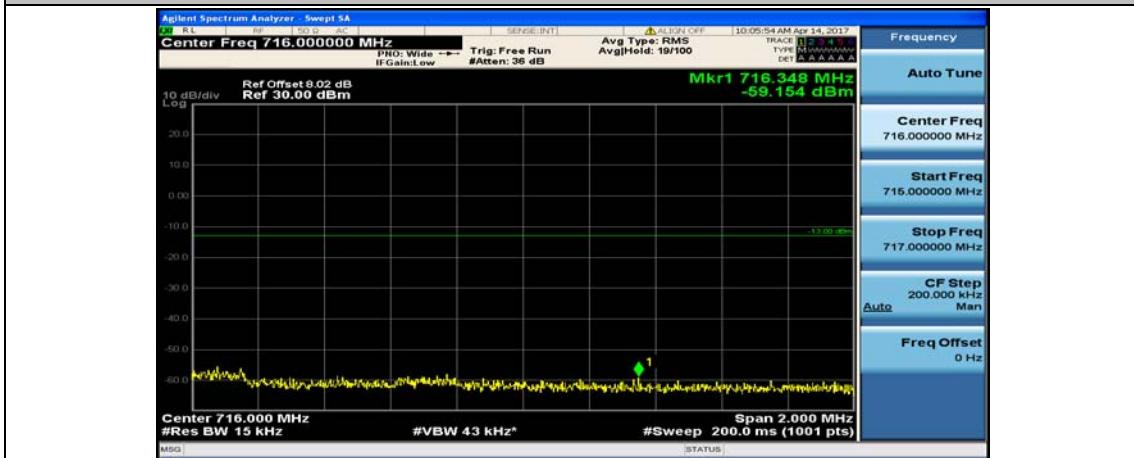
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_50RB#0



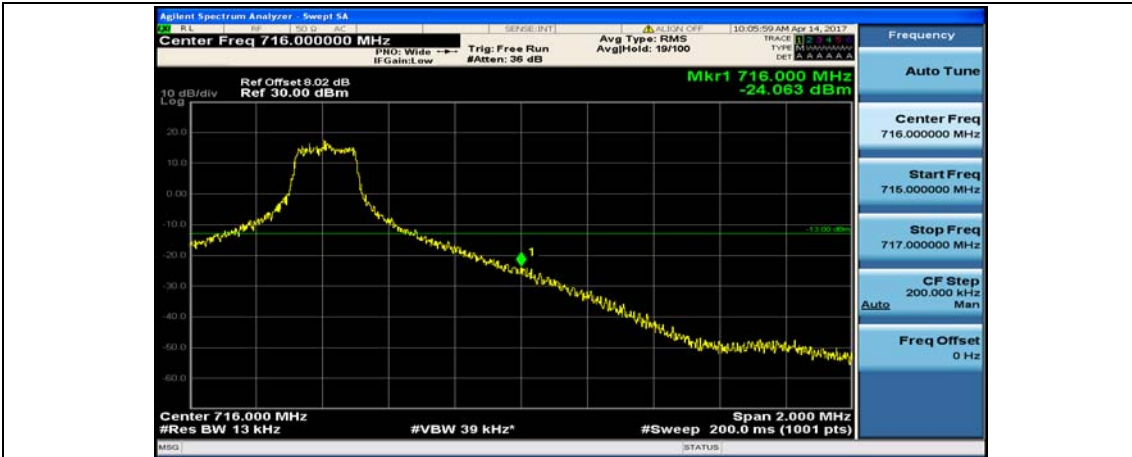
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



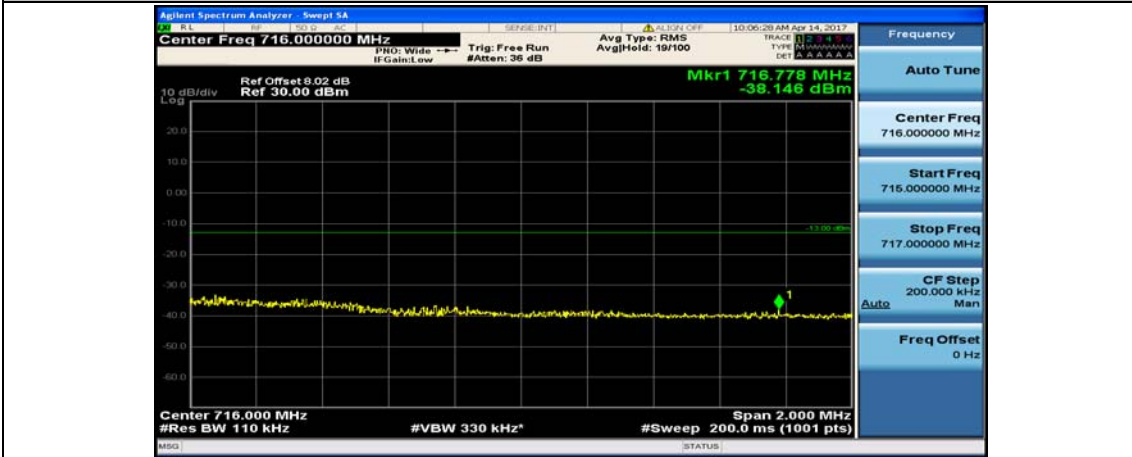
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24



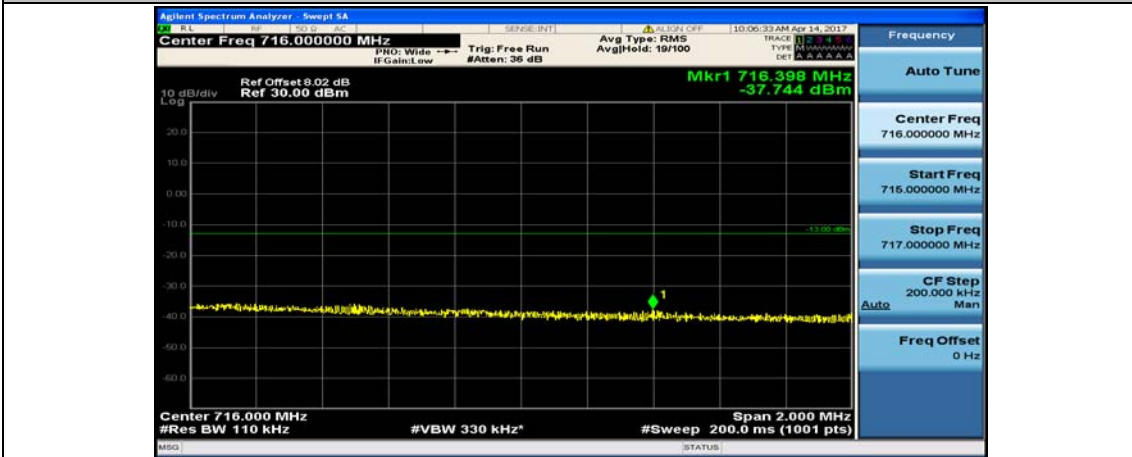
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#49



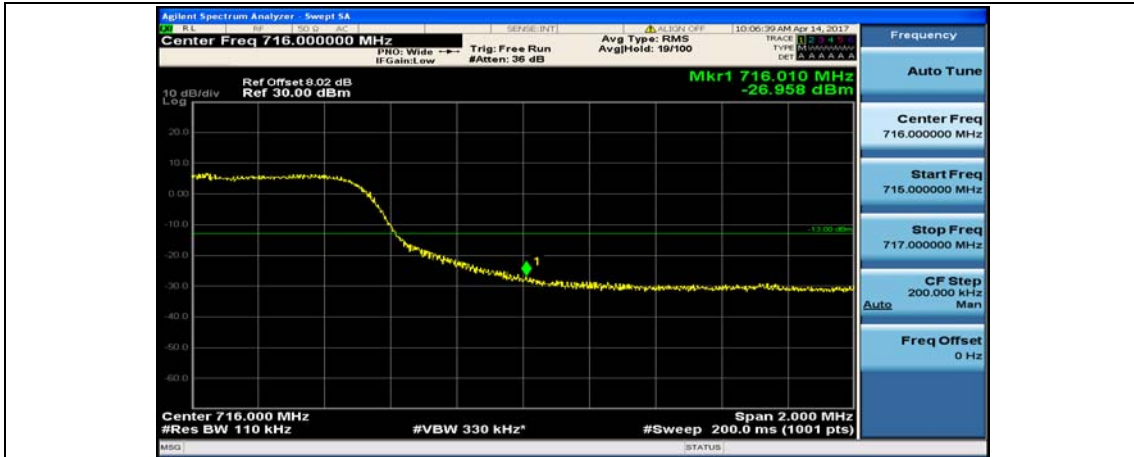
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#0



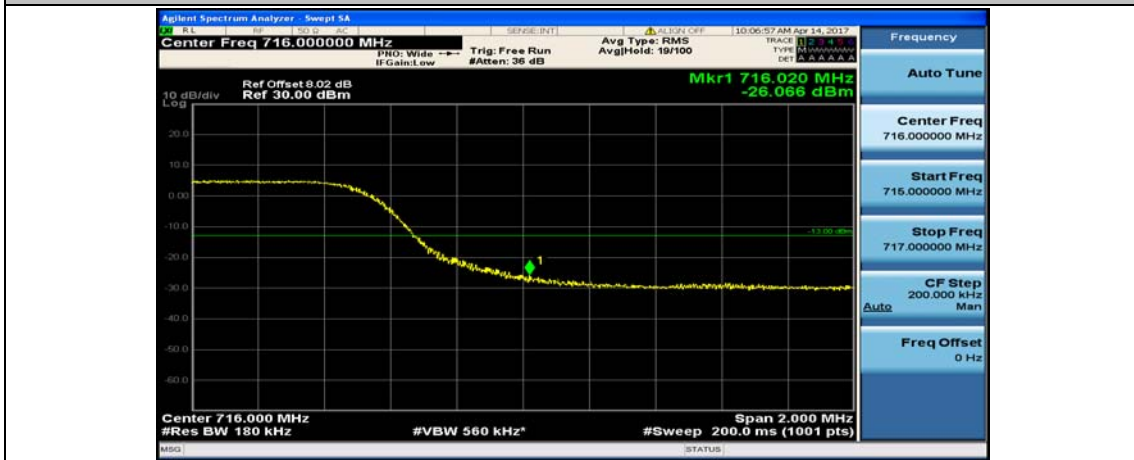
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#12



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#25



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_50RB#0

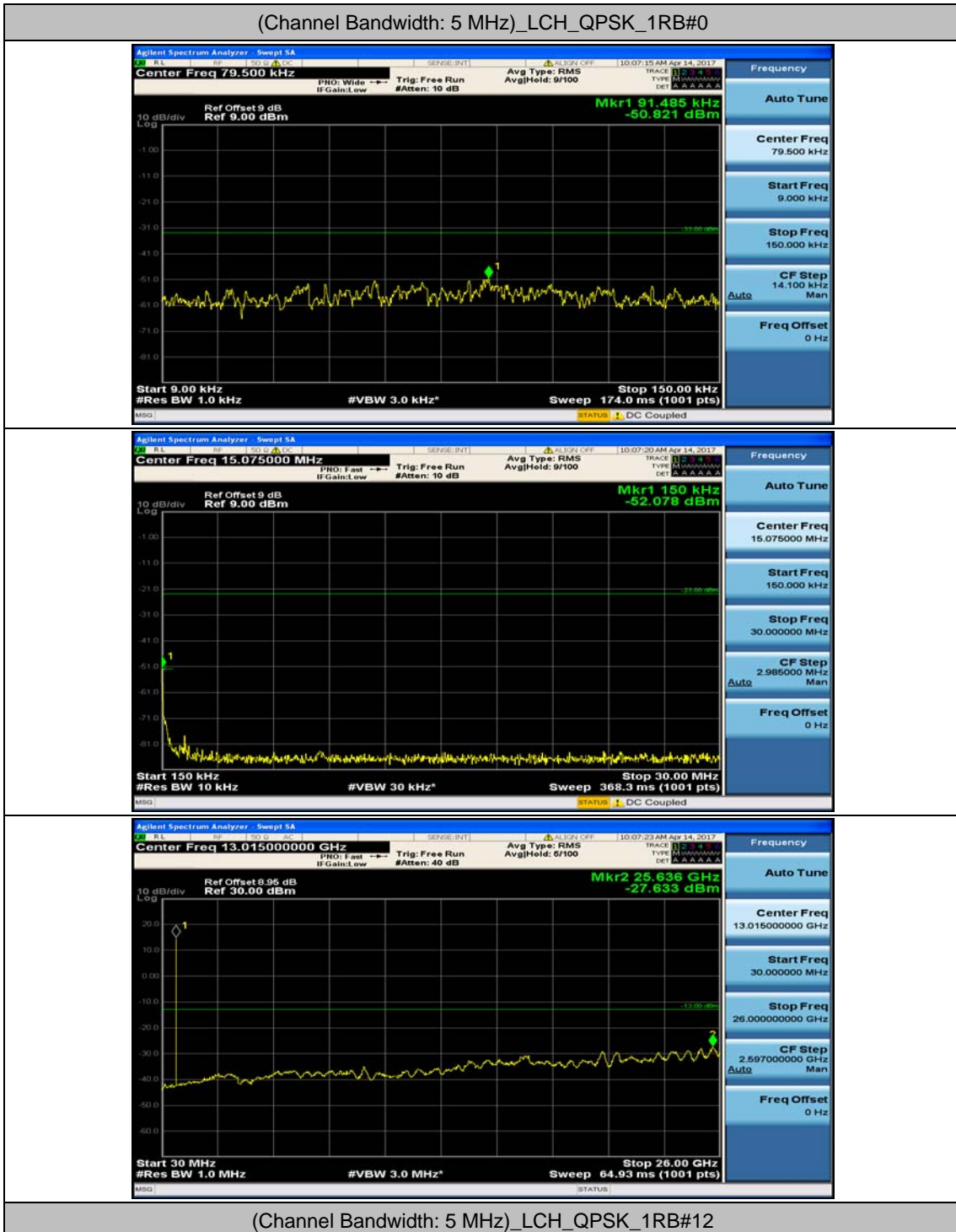


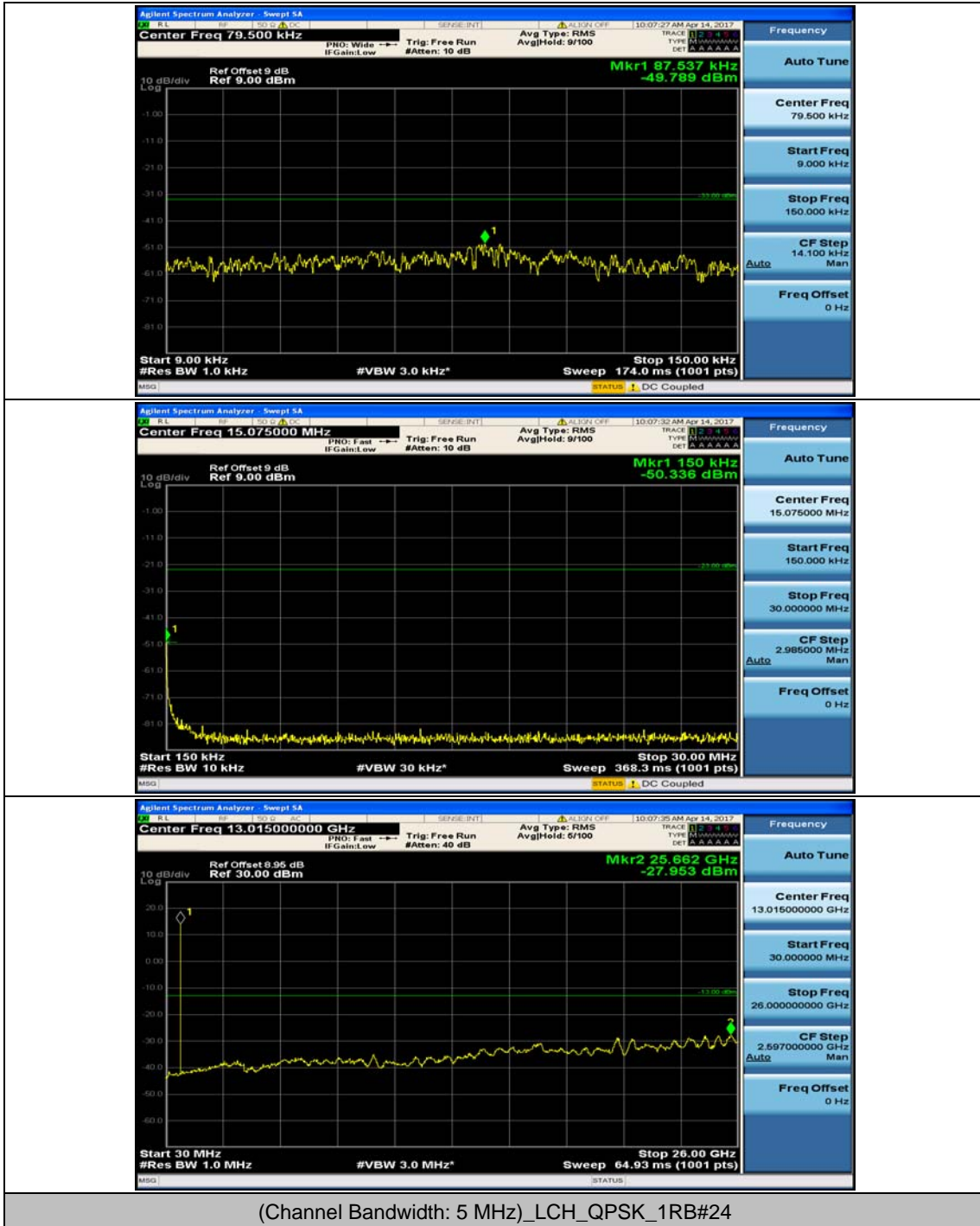


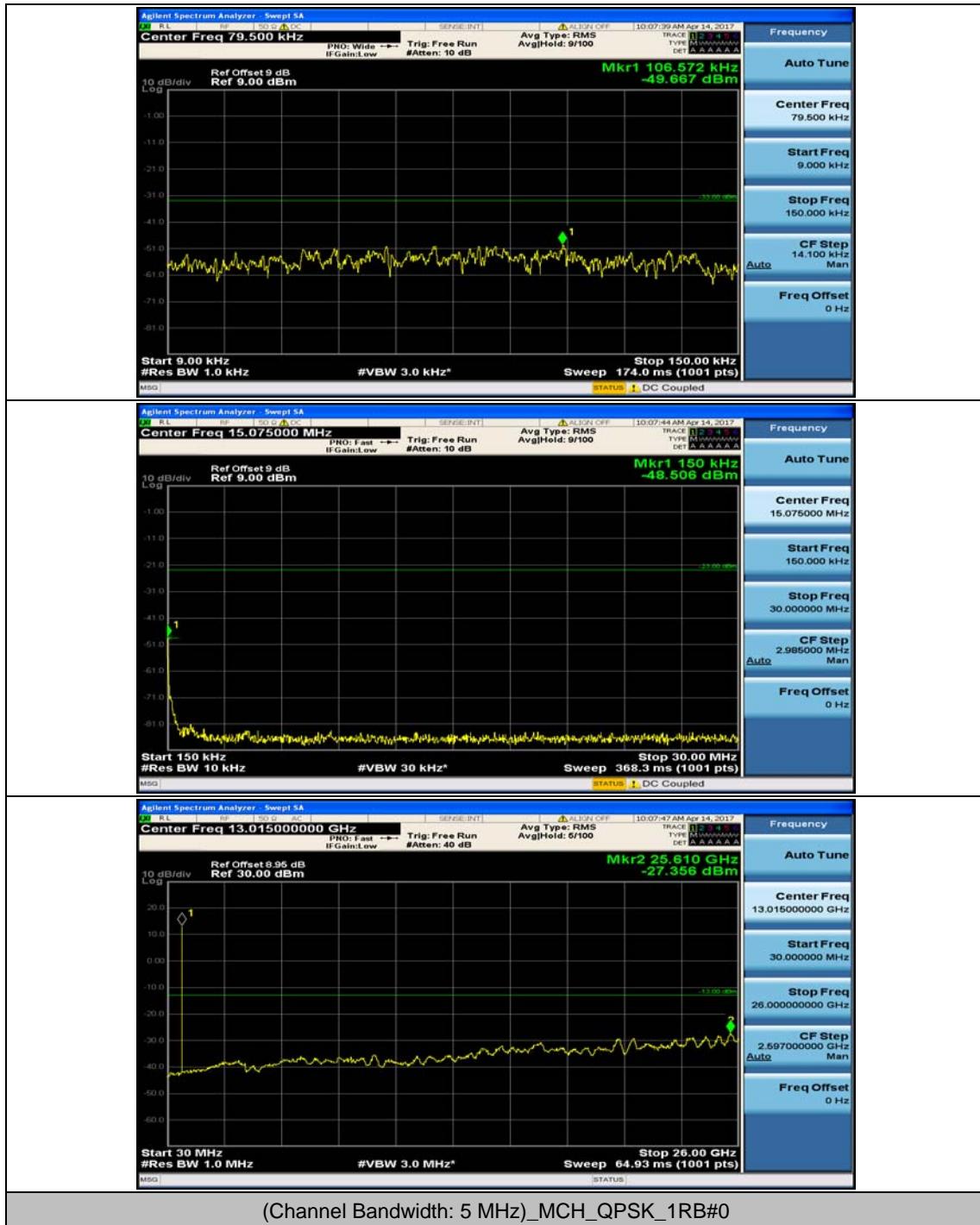
## Appendix E: Conducted Spurious Emission

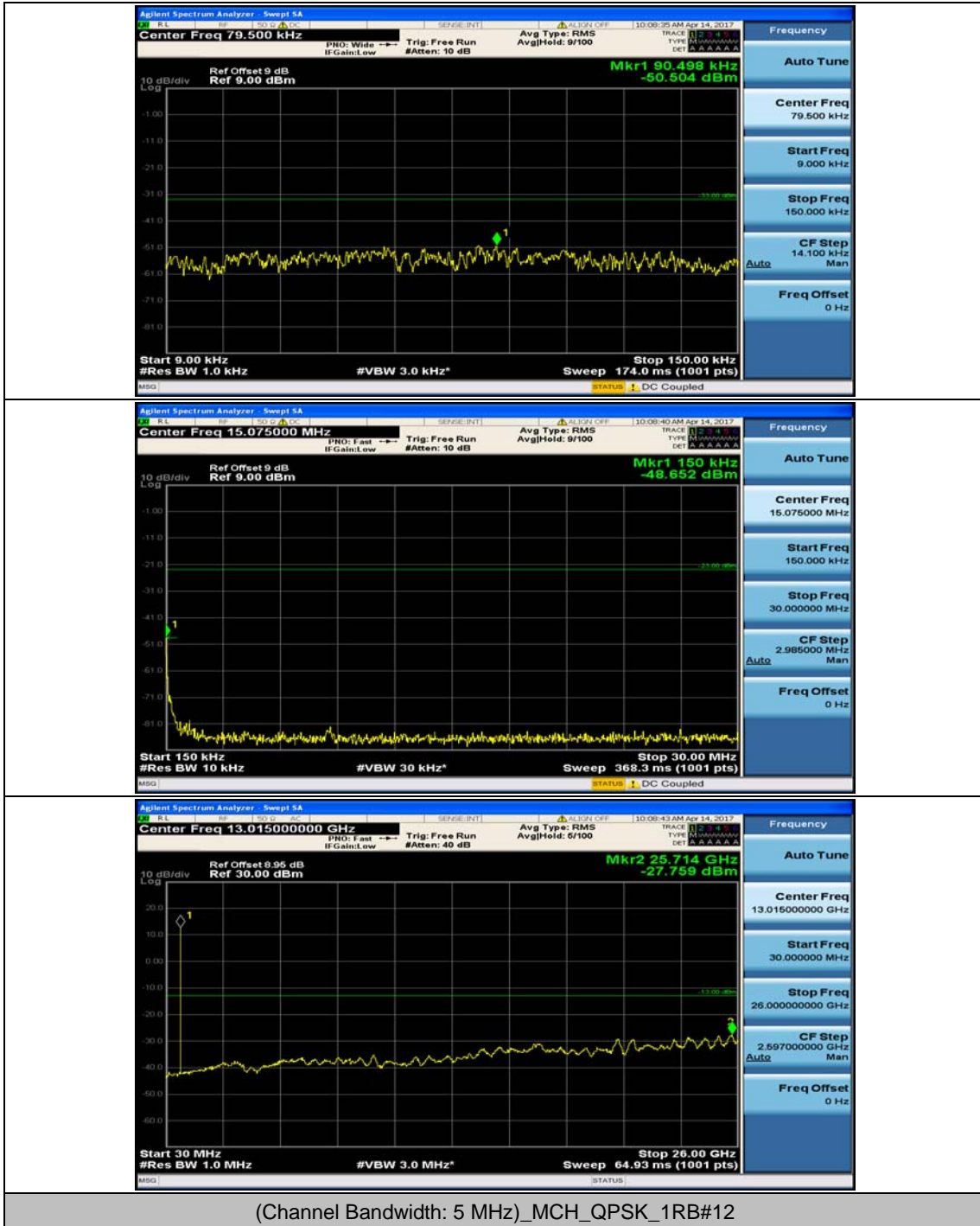
### Test Graphs

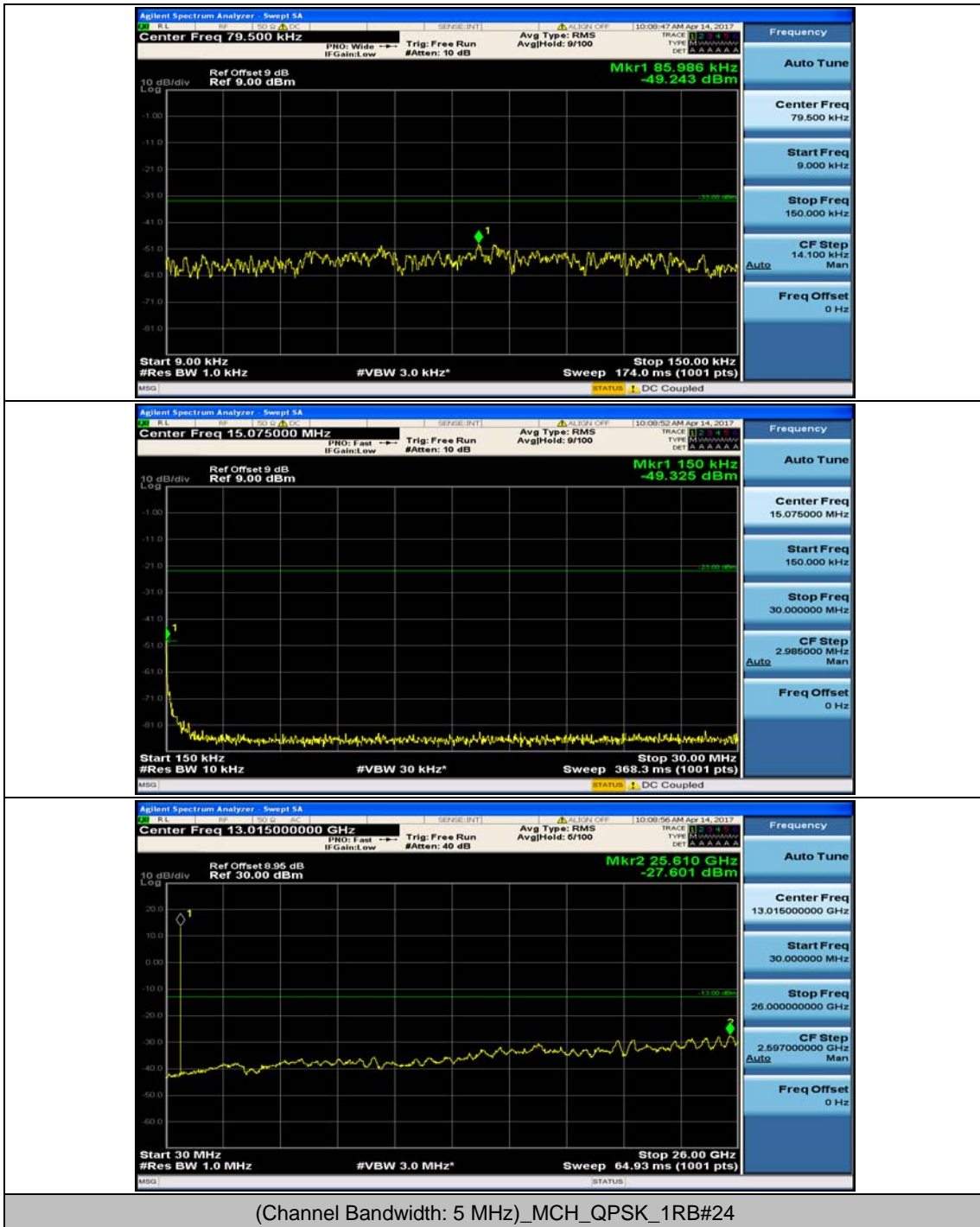
Channel Bandwidth: 5 MHz

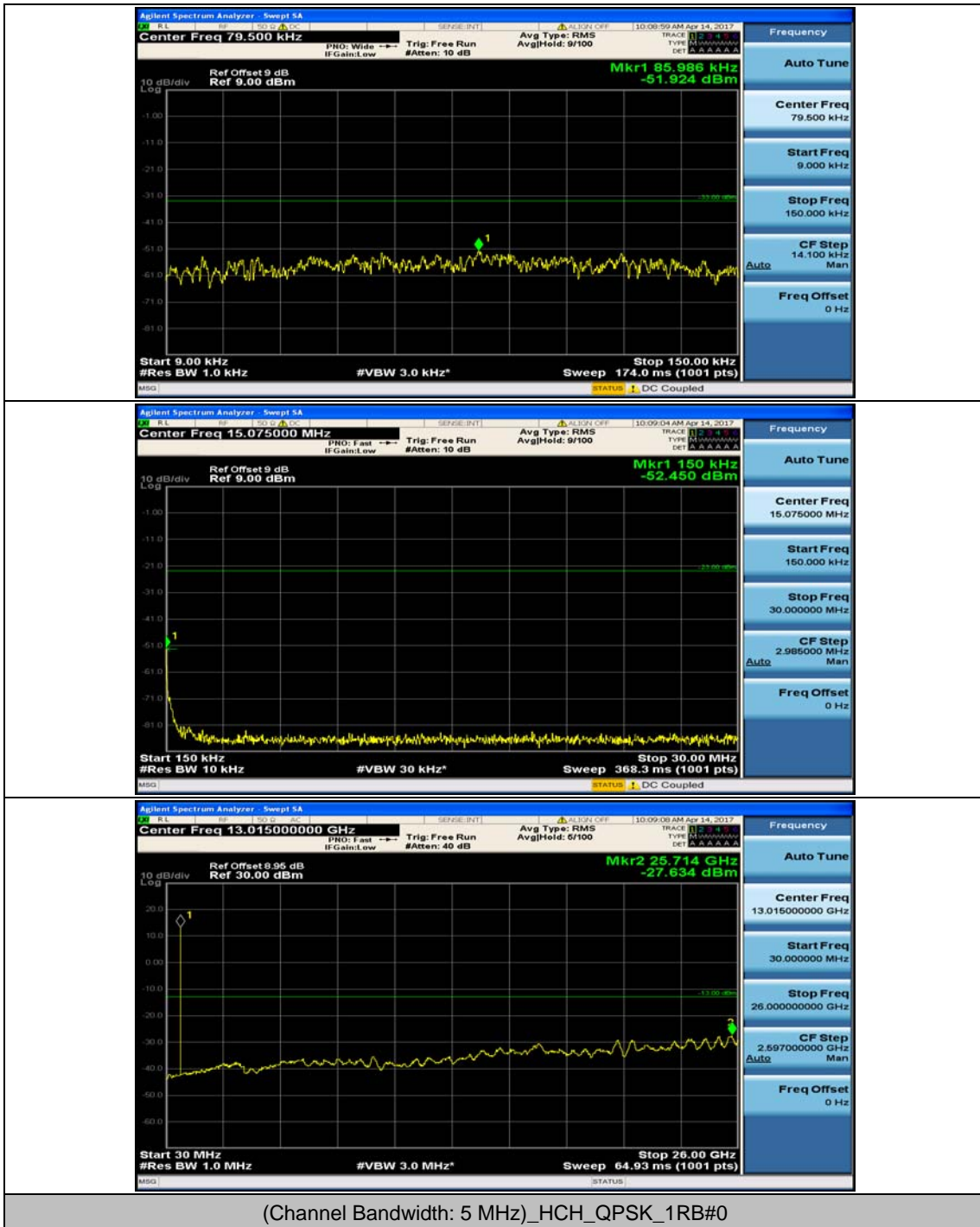


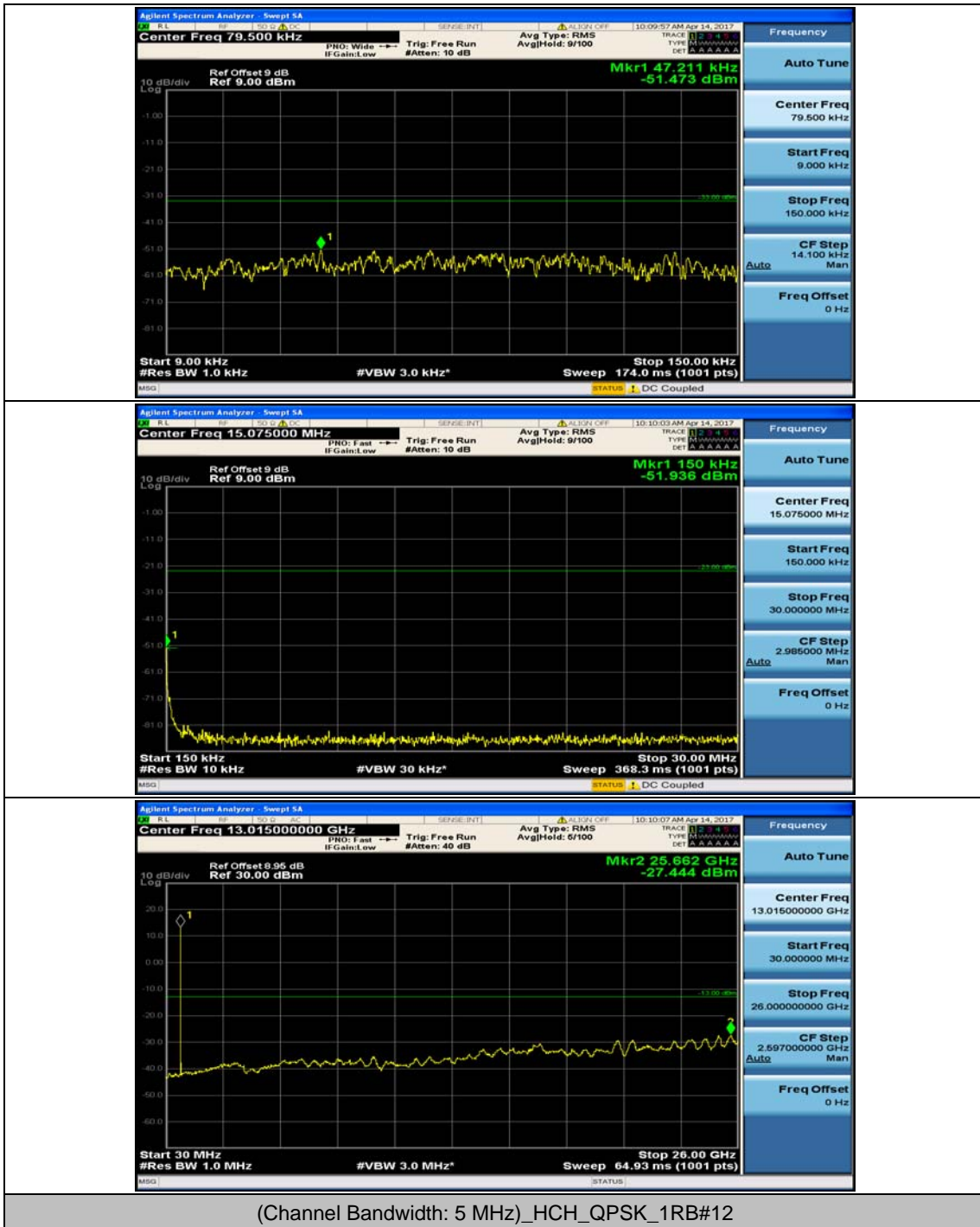


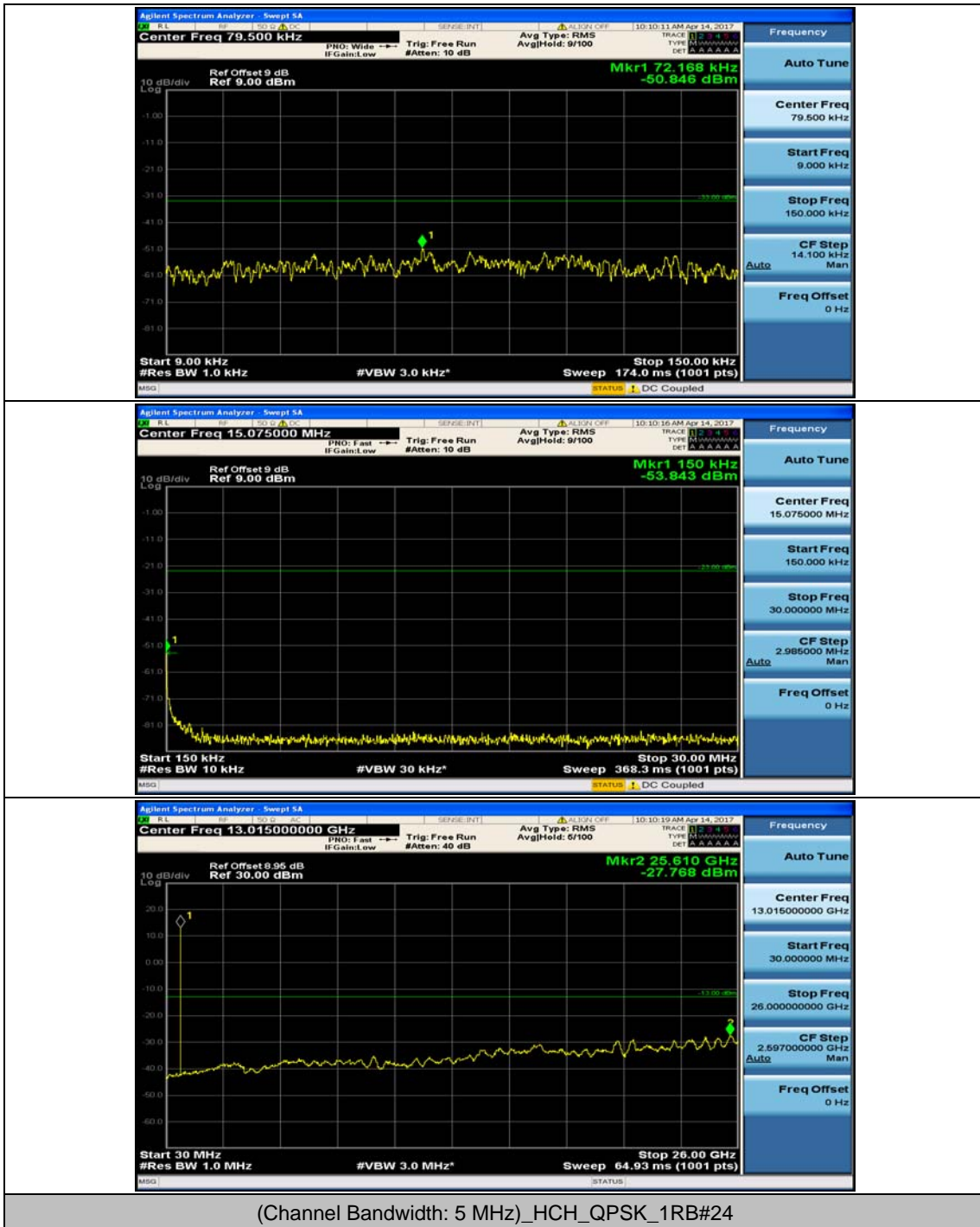




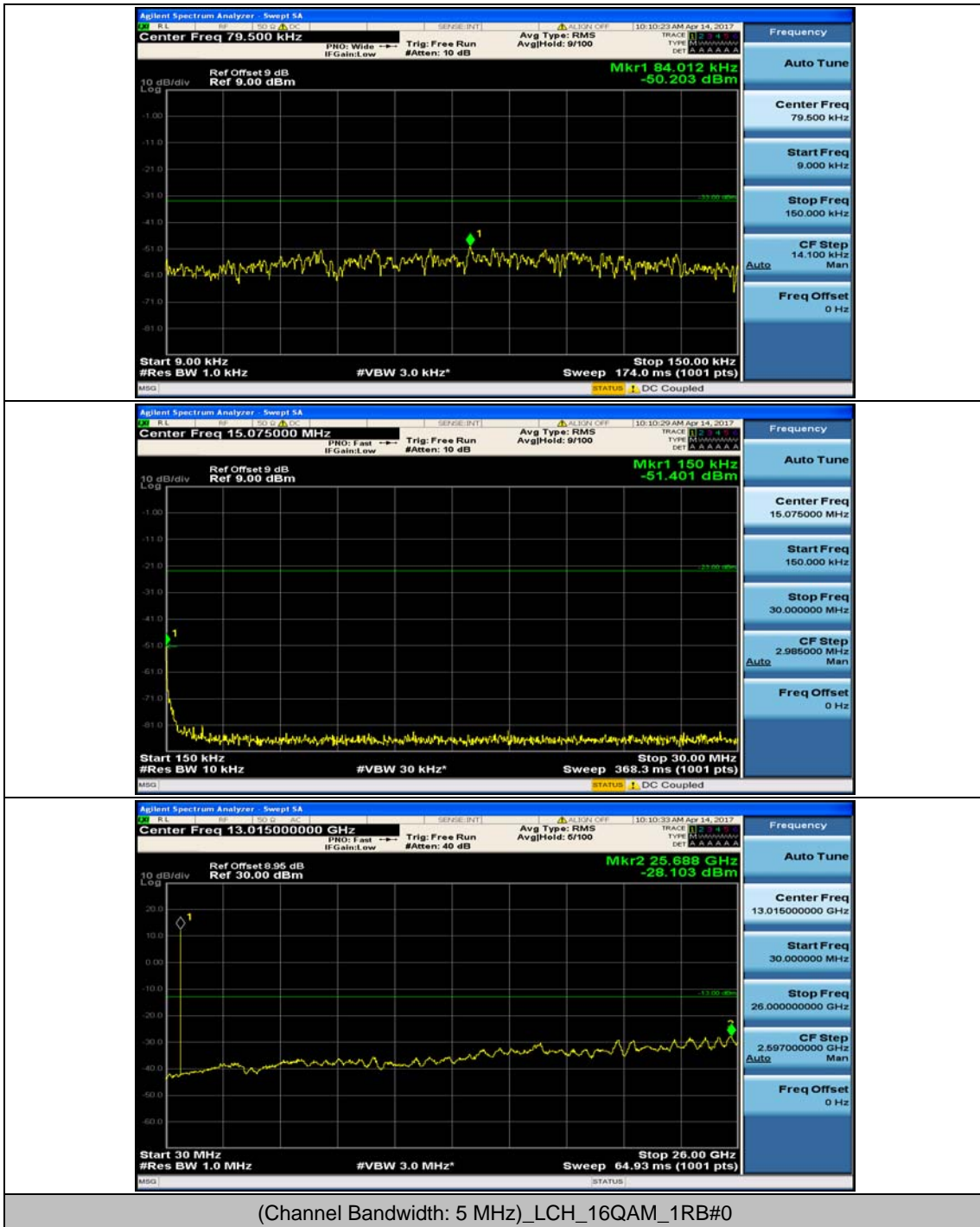


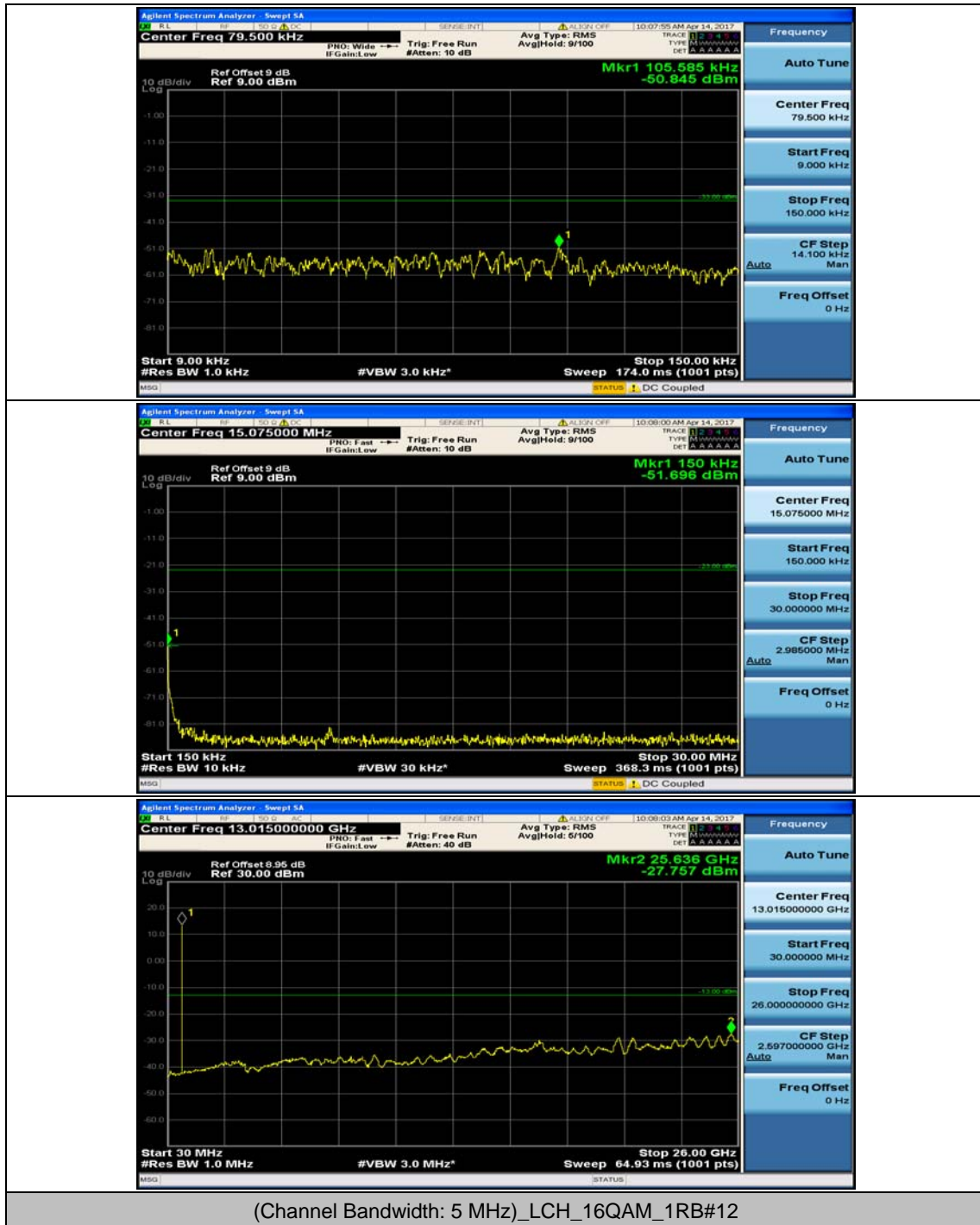


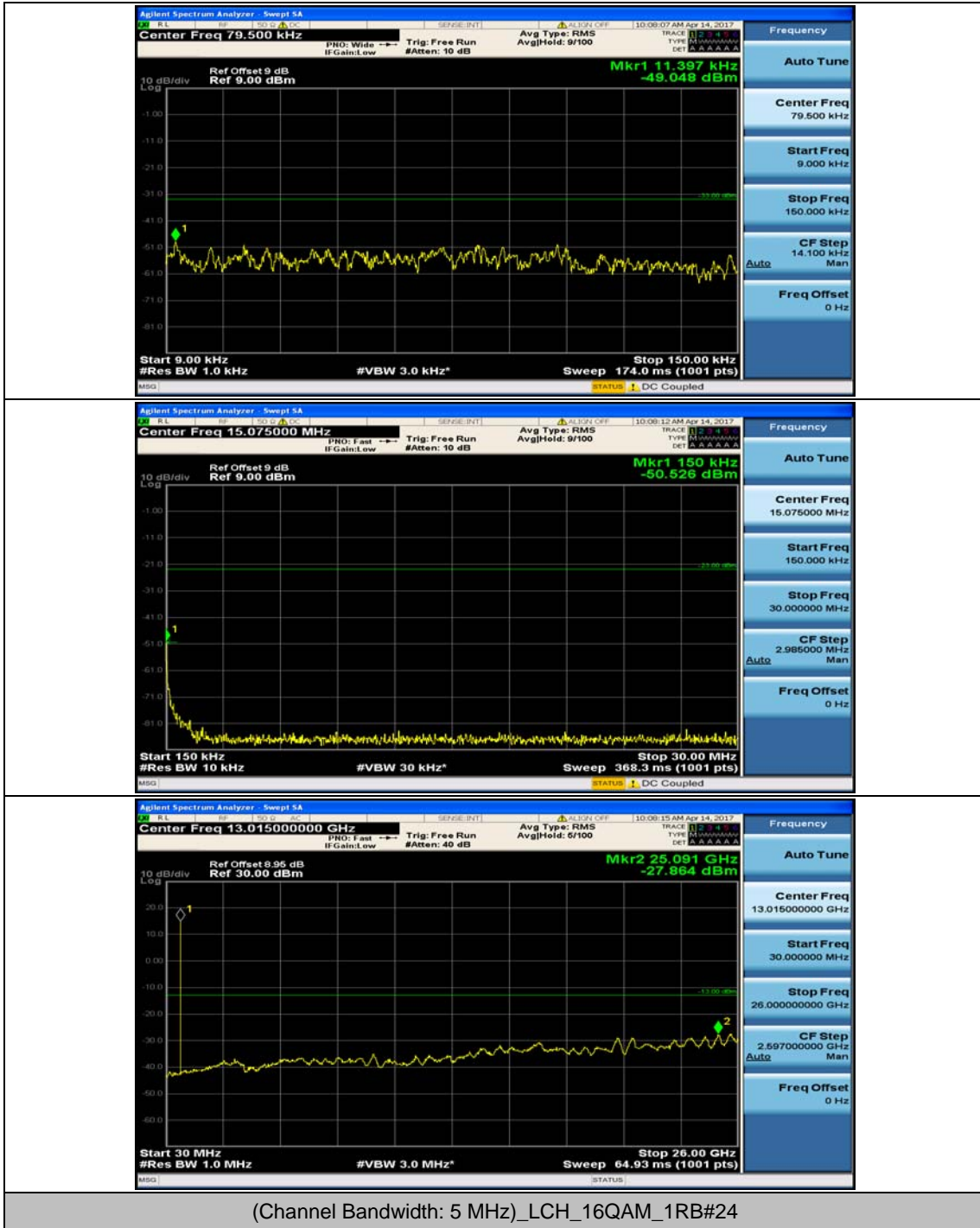


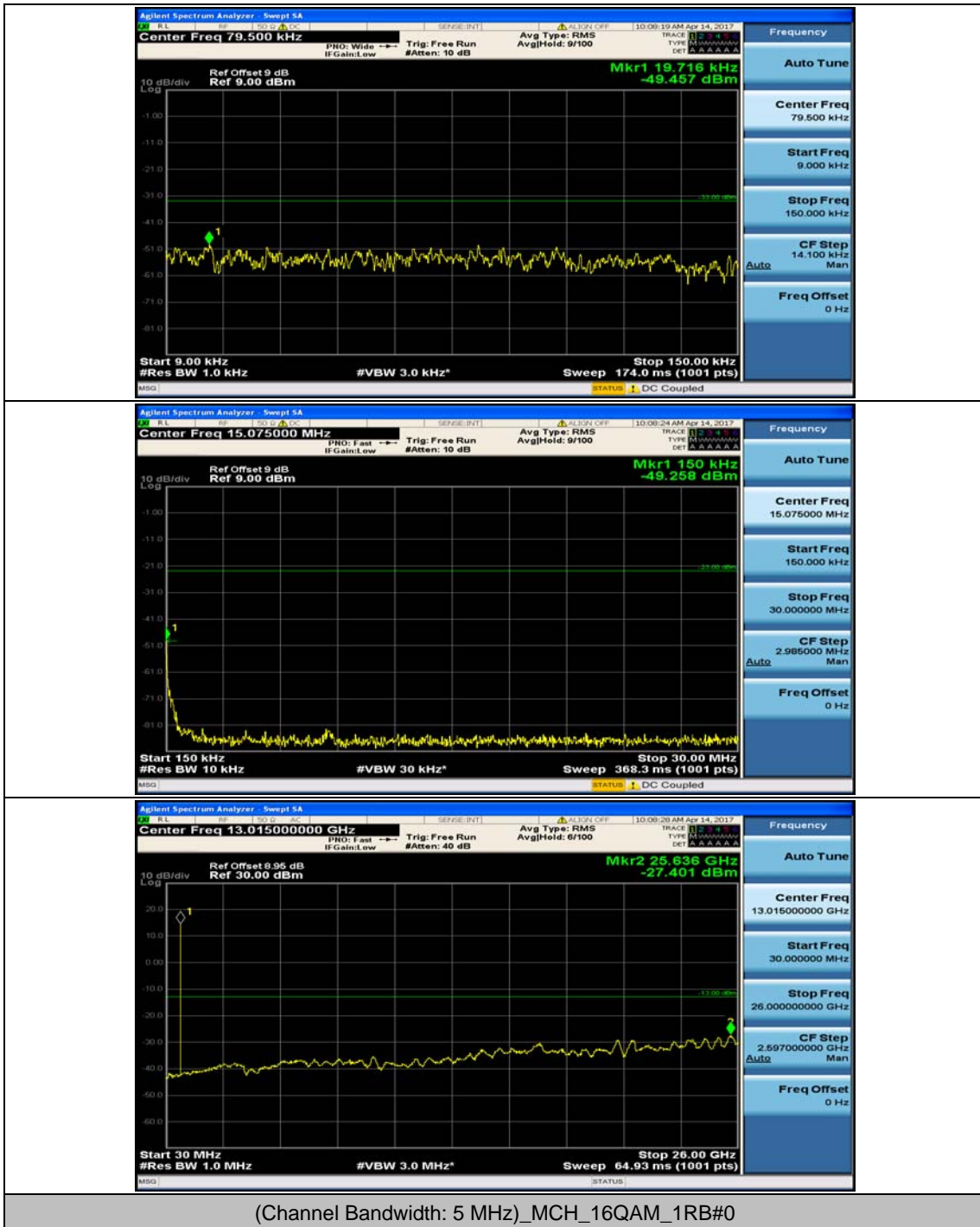


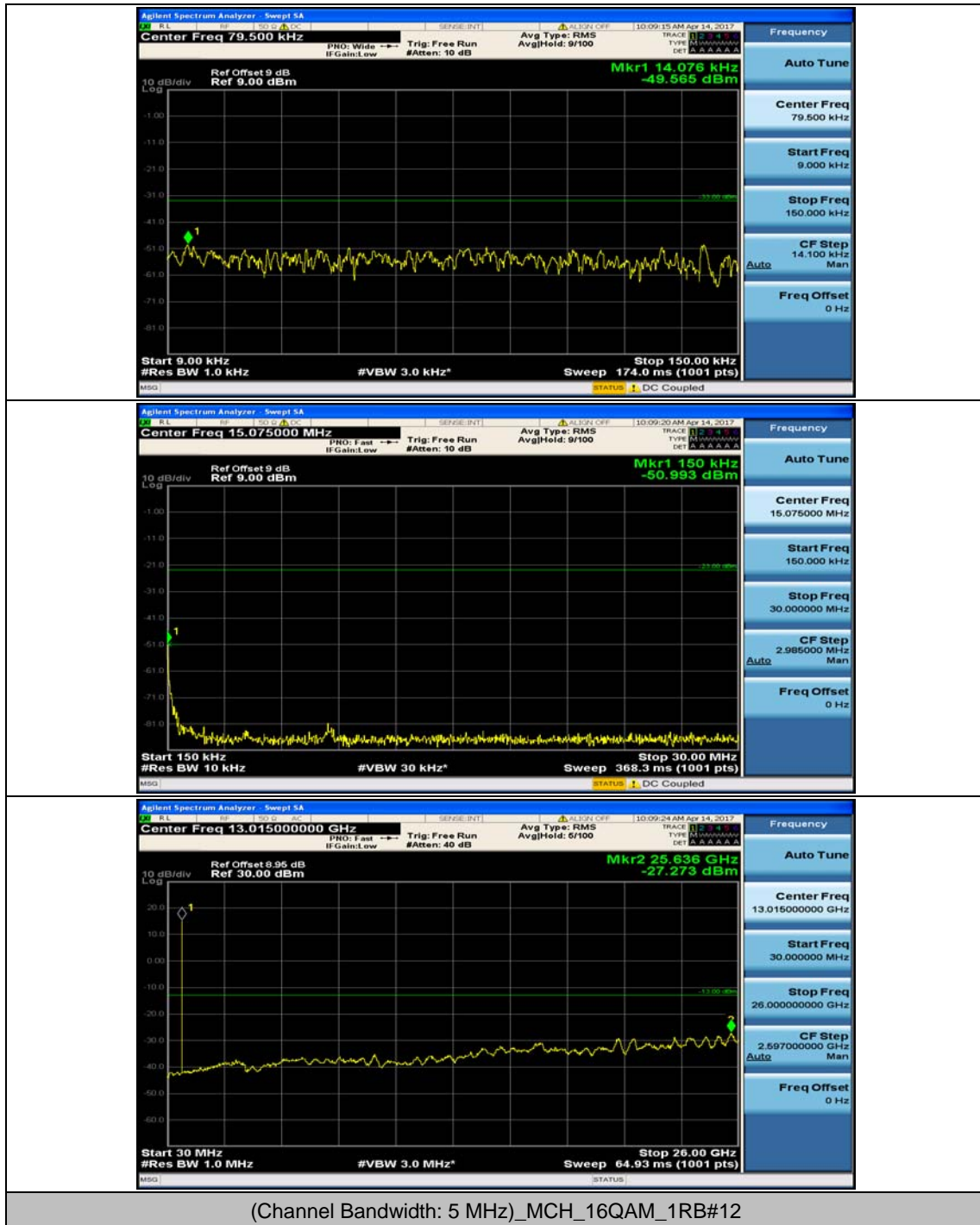


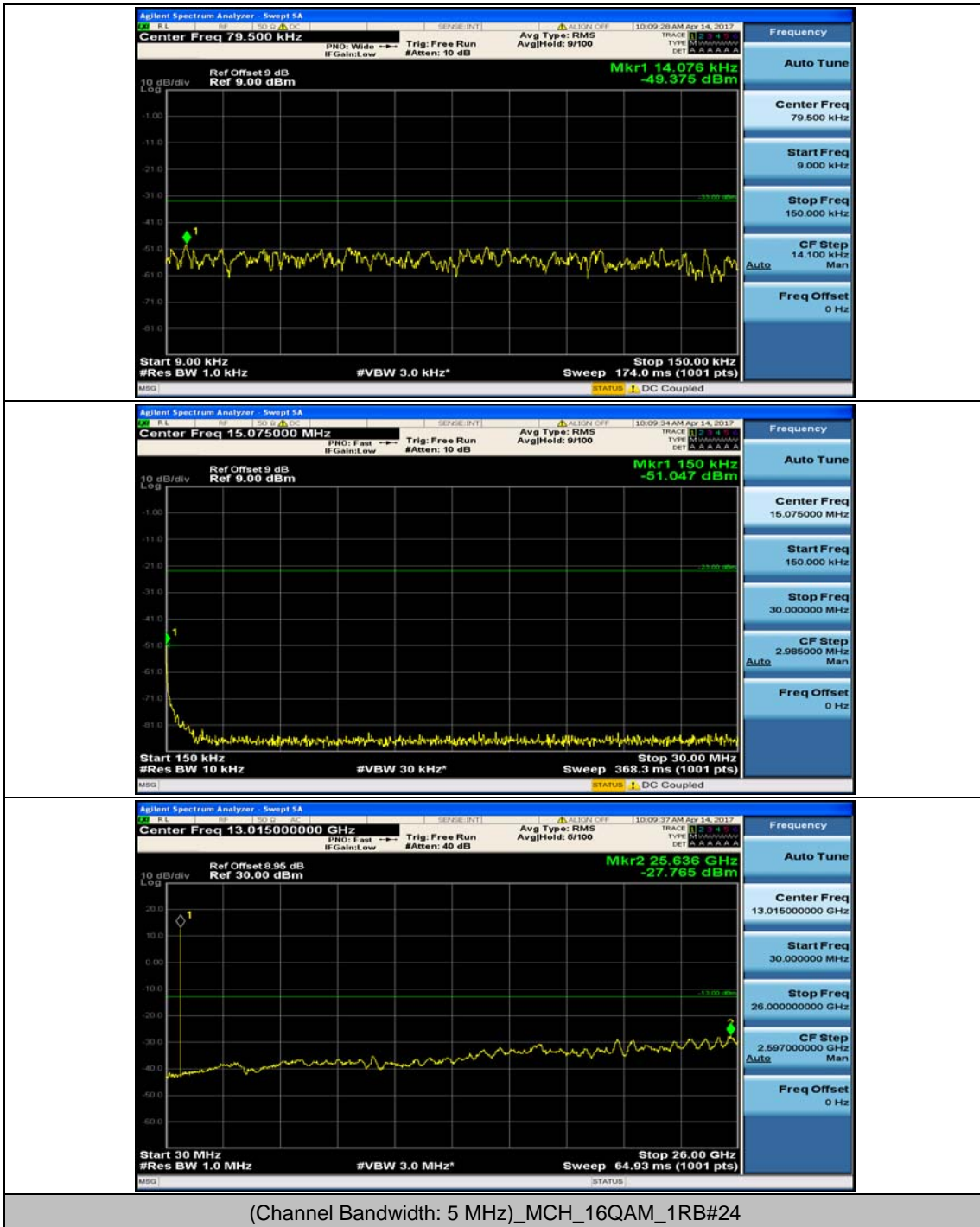


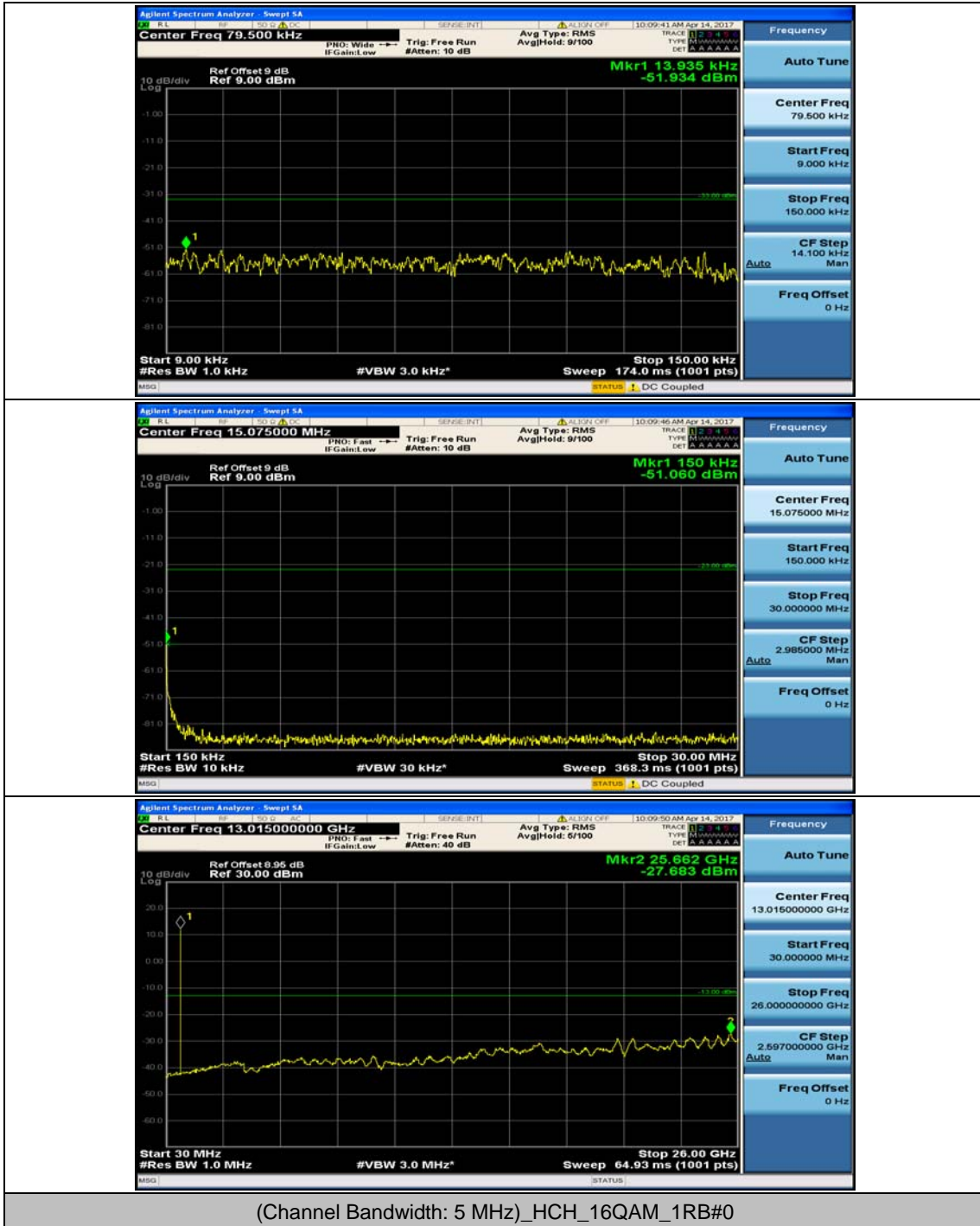


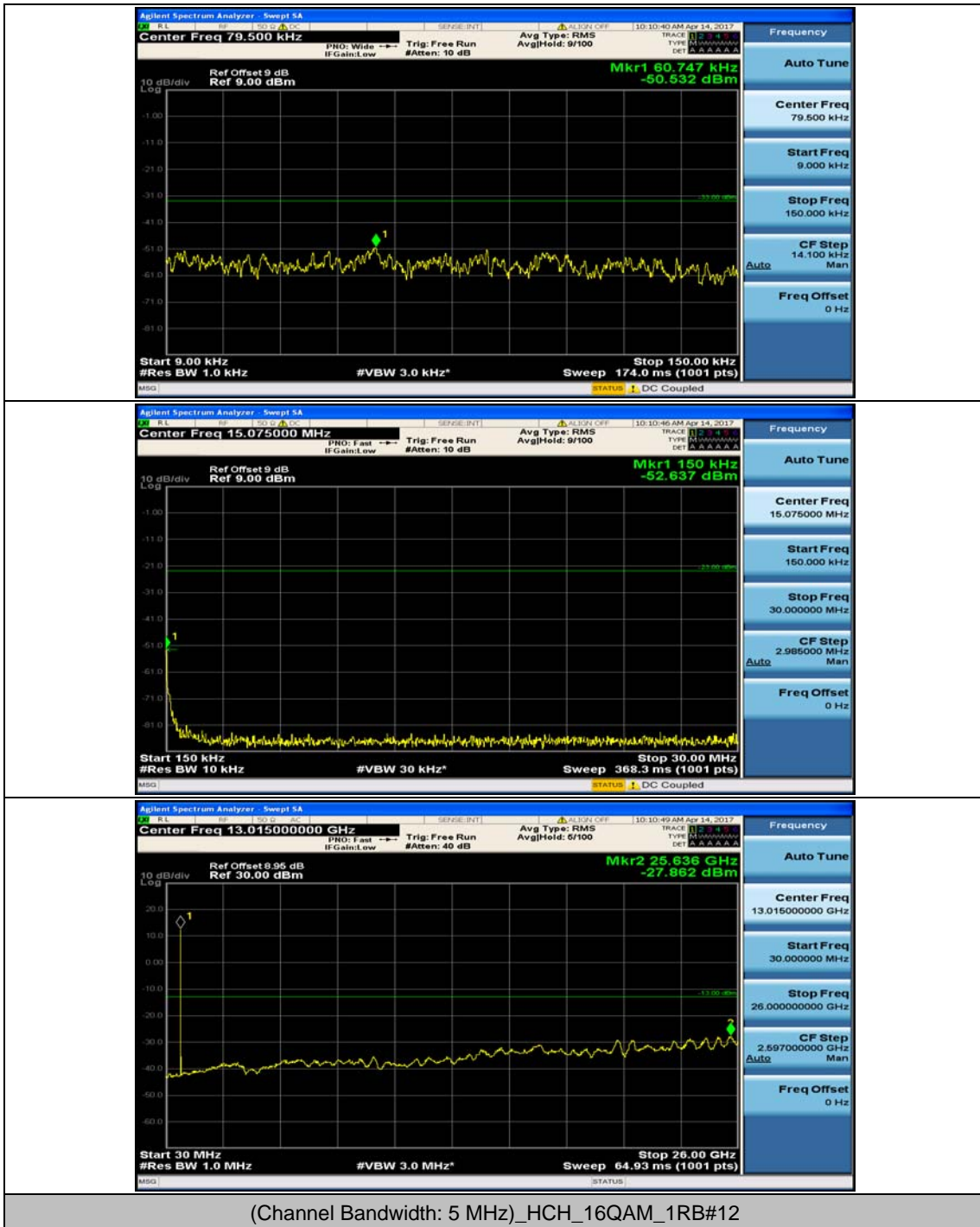




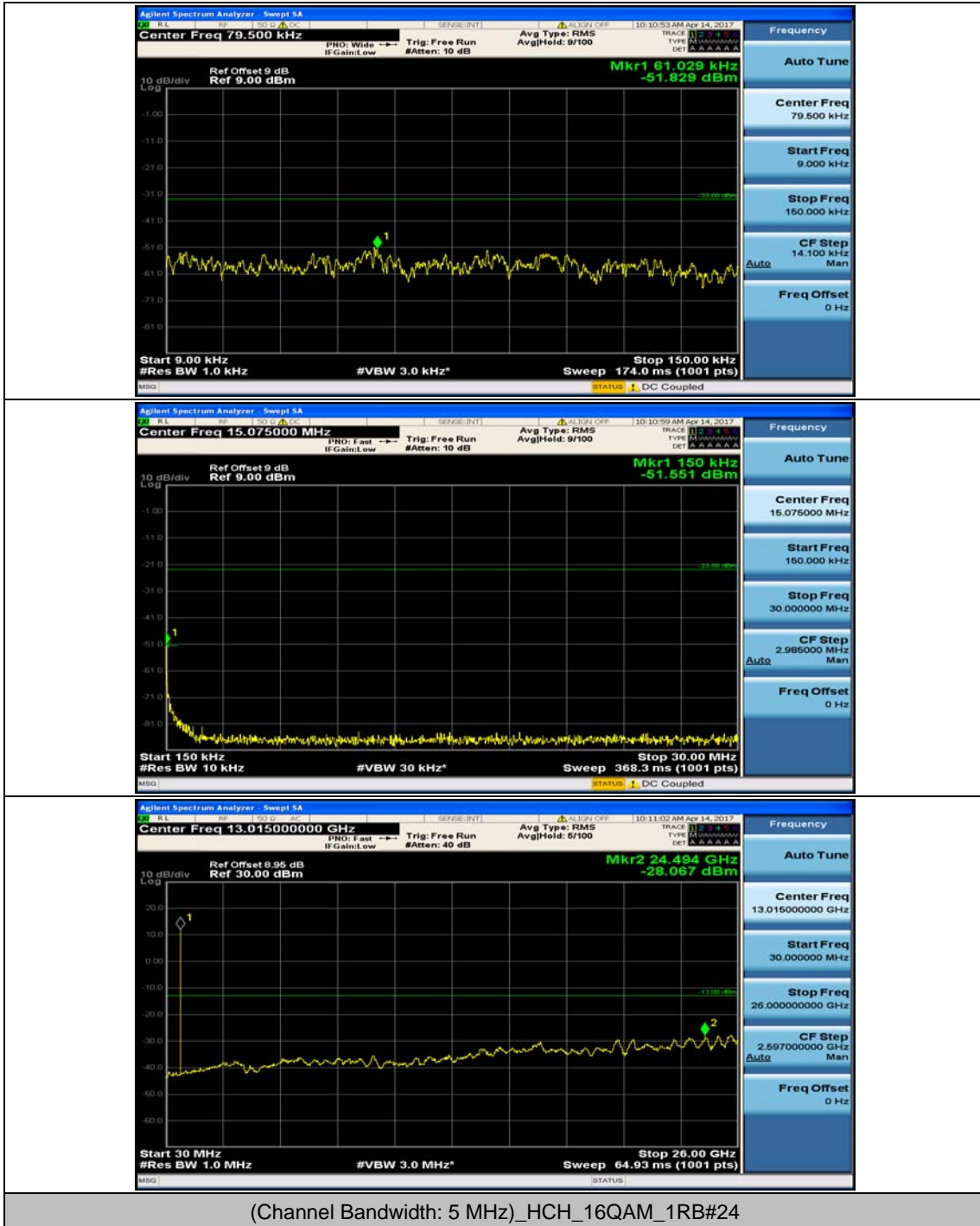


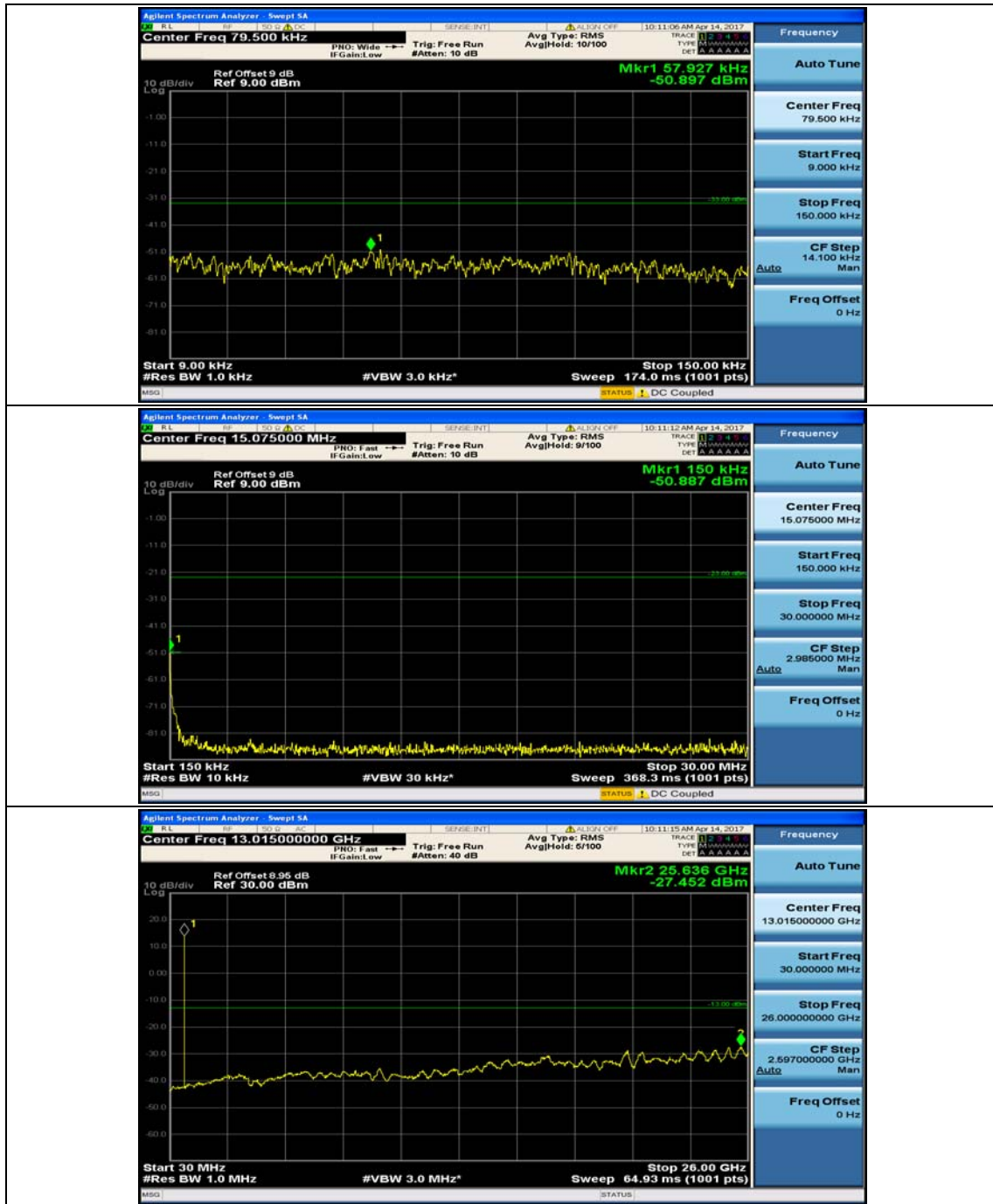




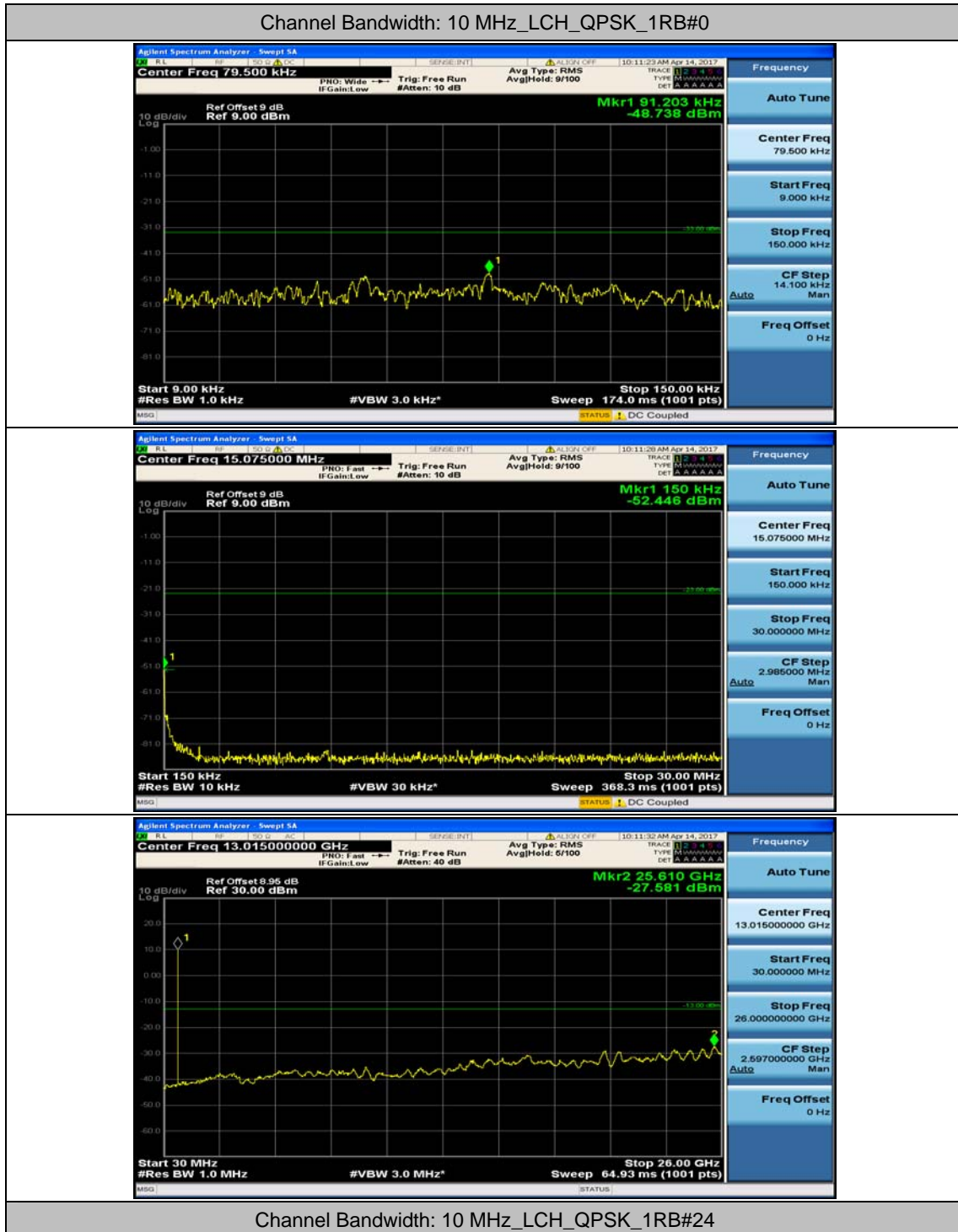


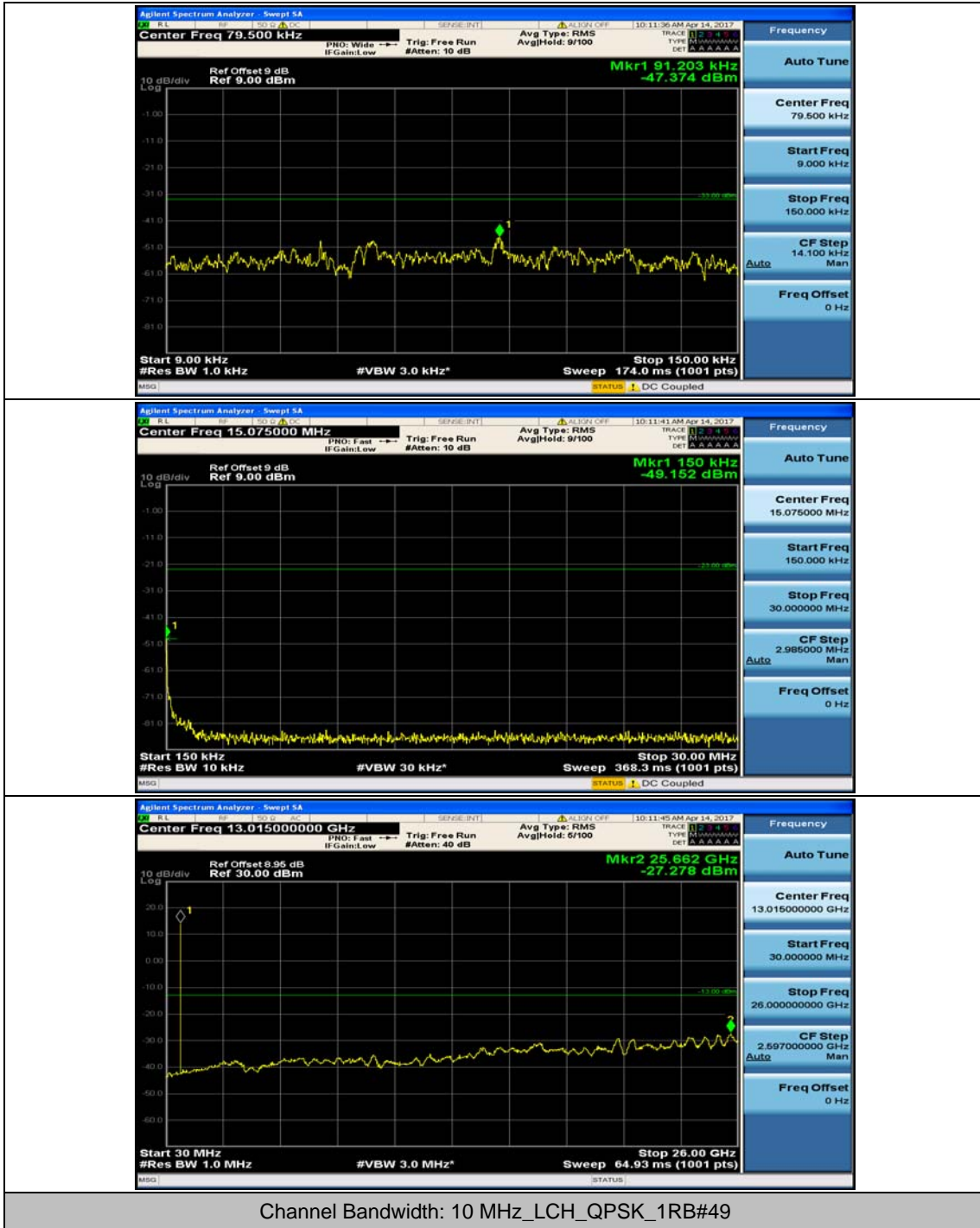


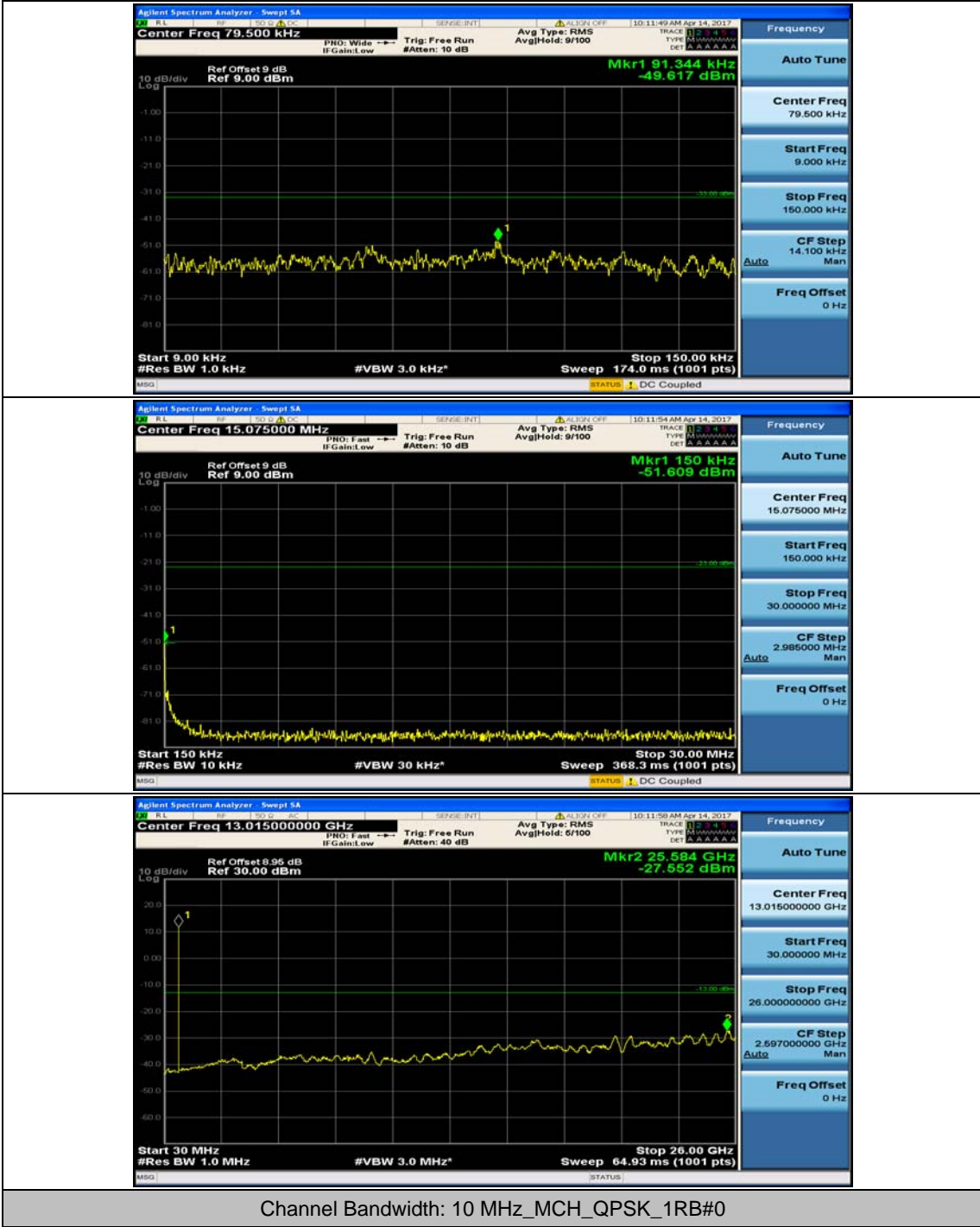


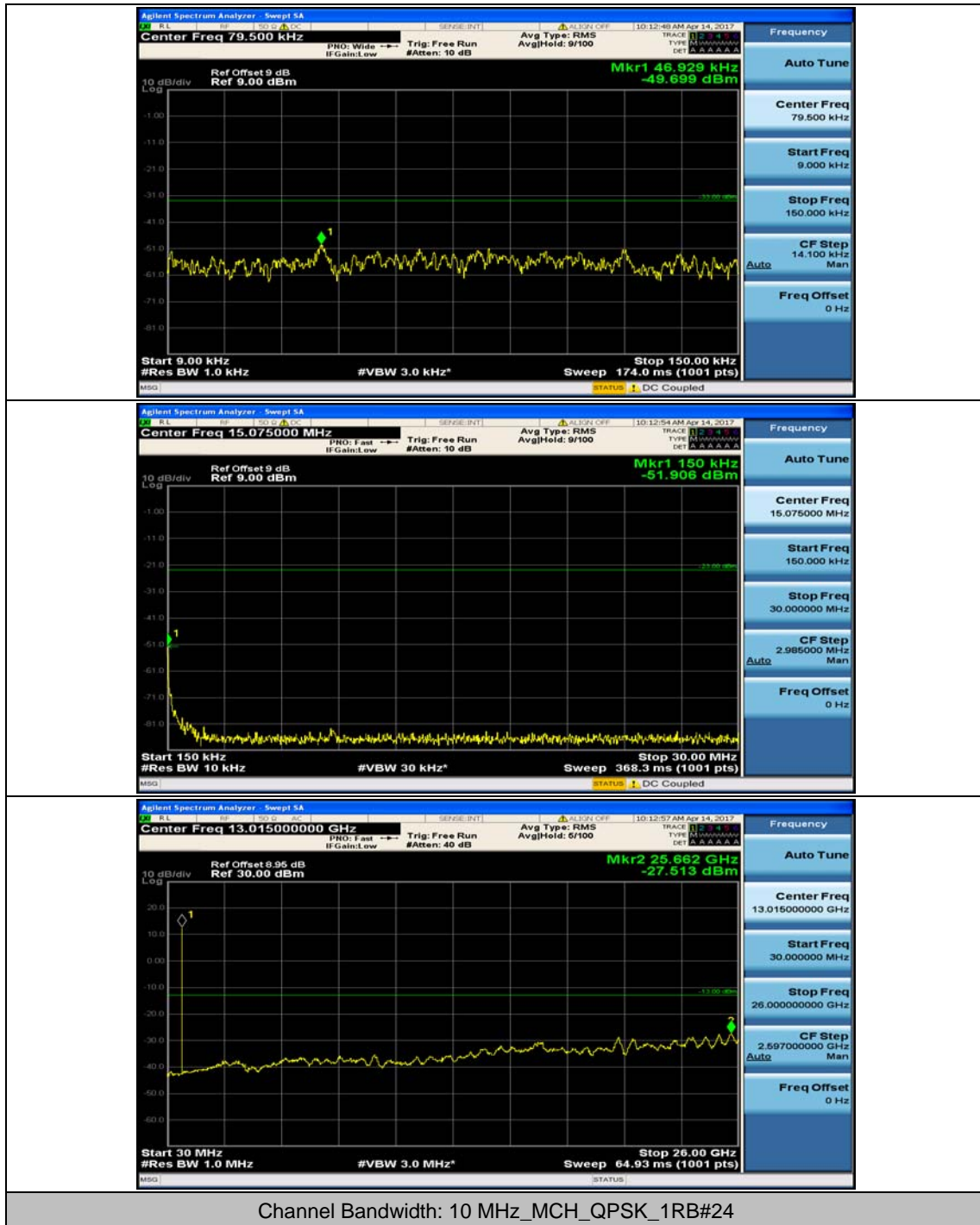


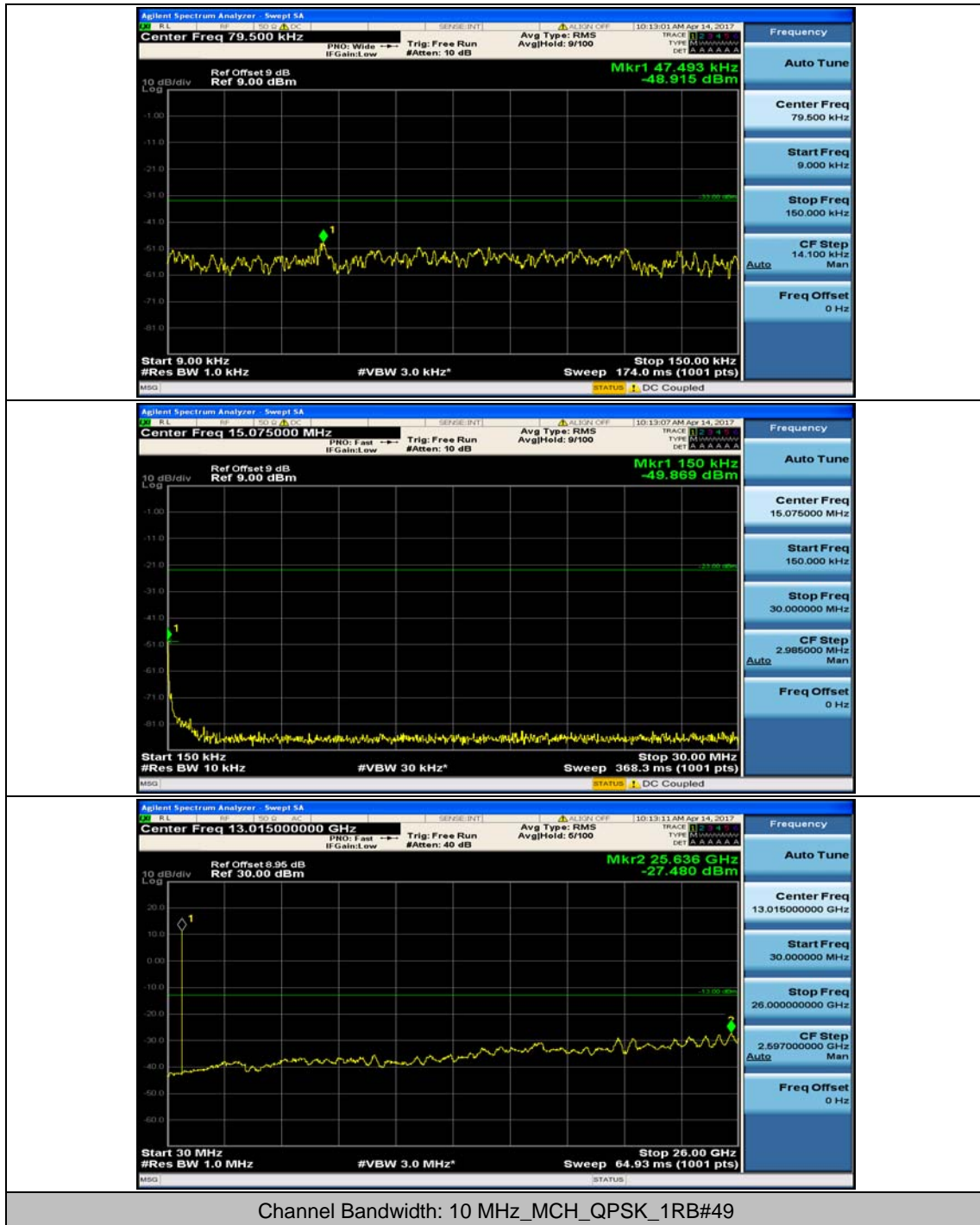
### Channel Bandwidth: 10 MHz

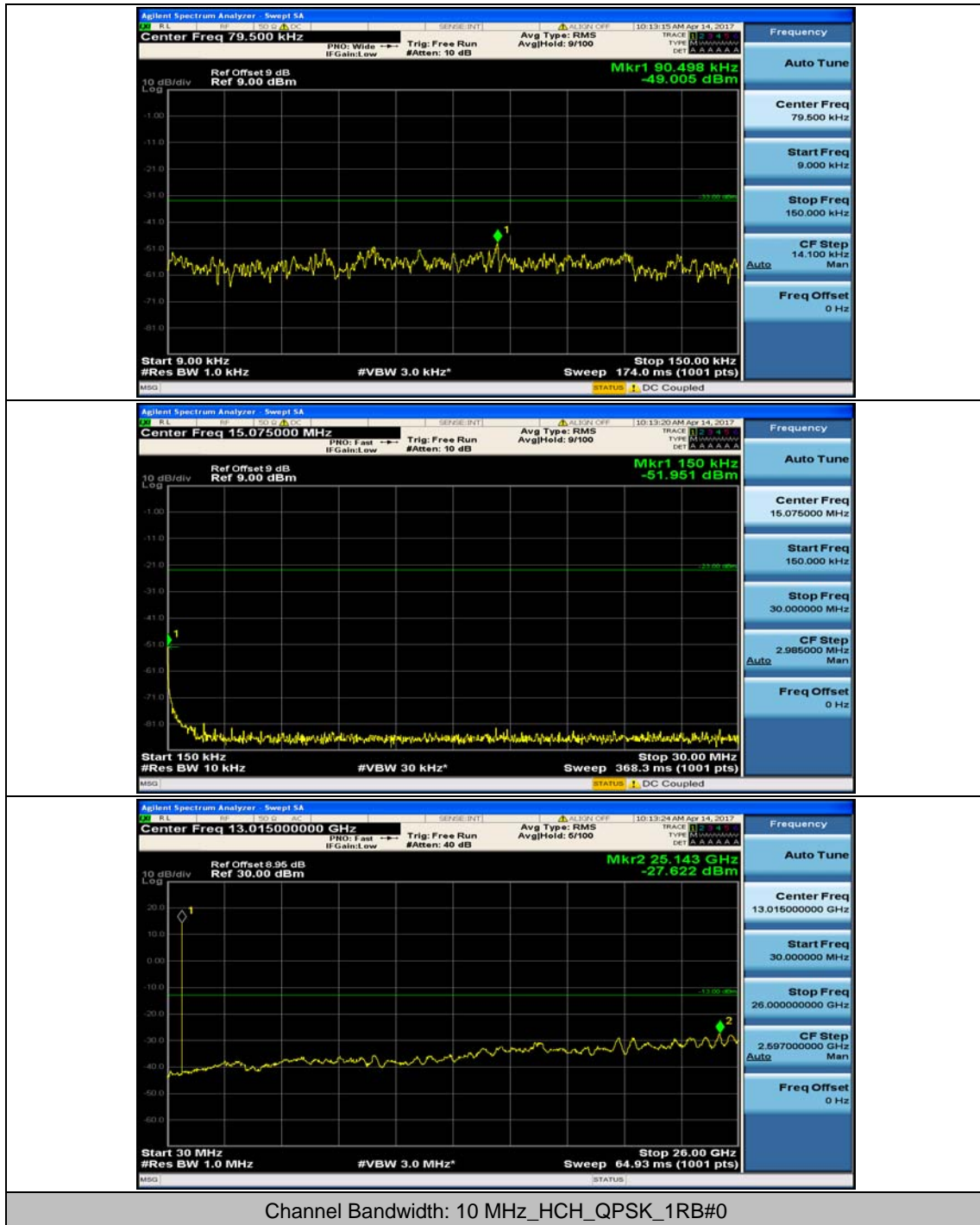




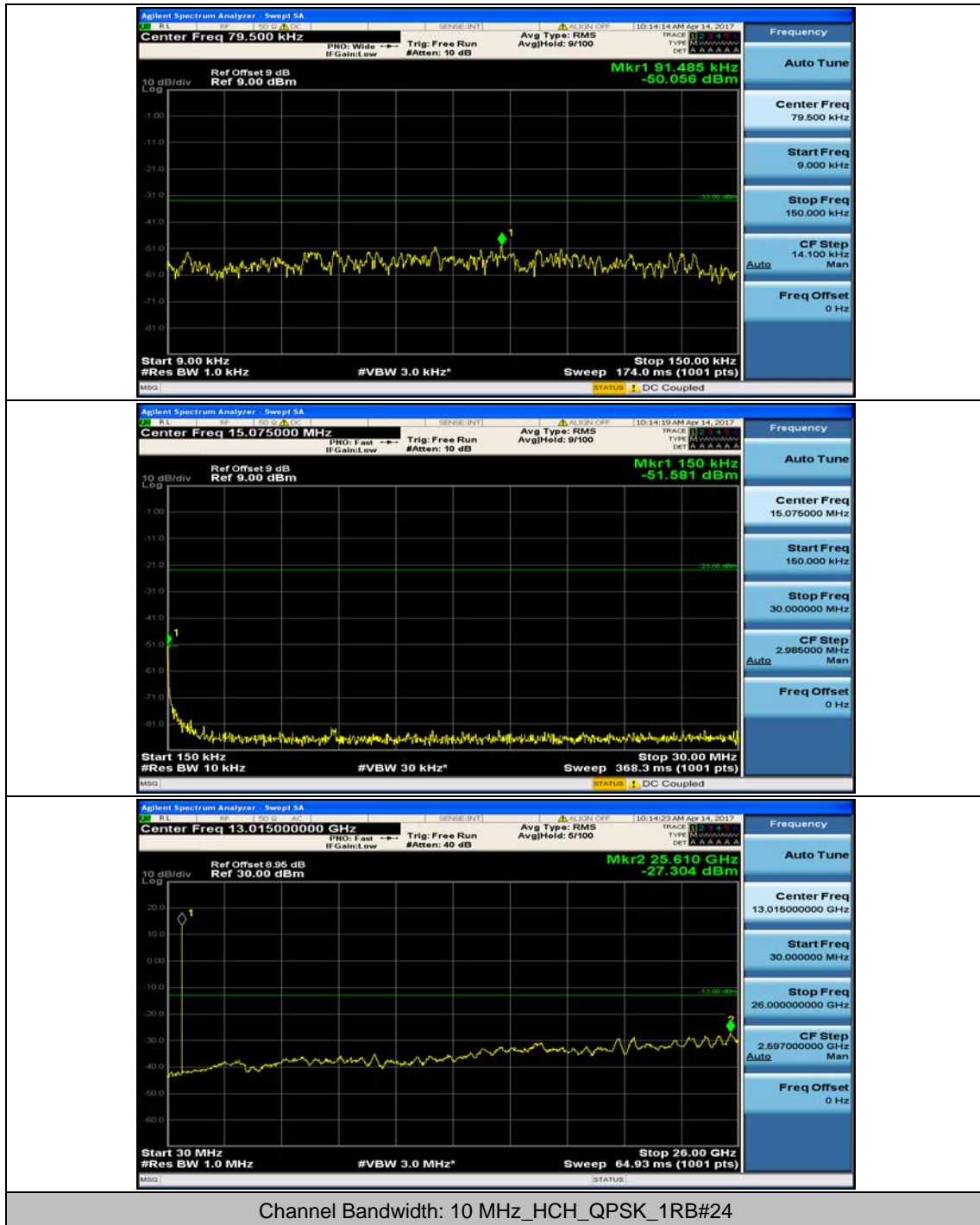


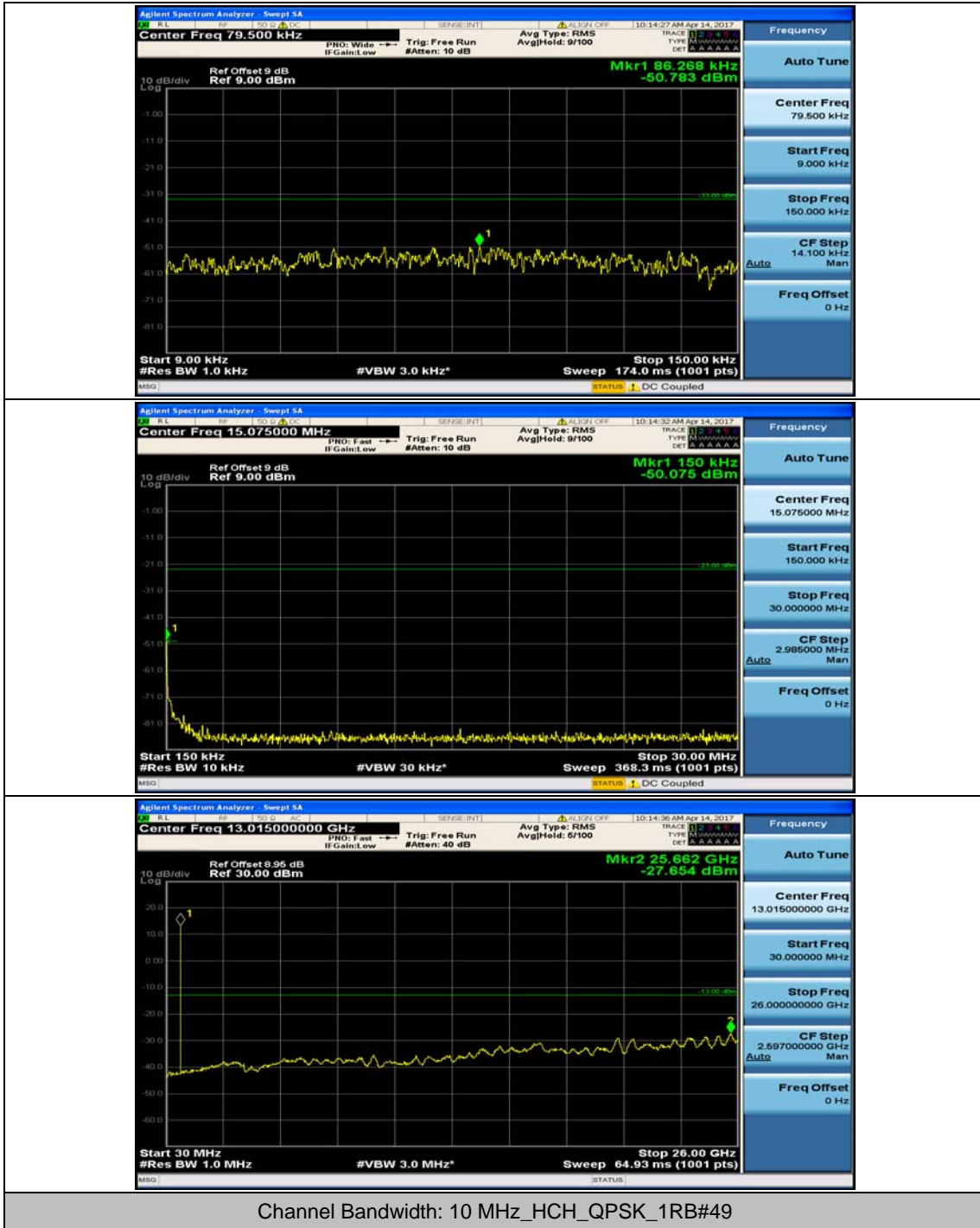


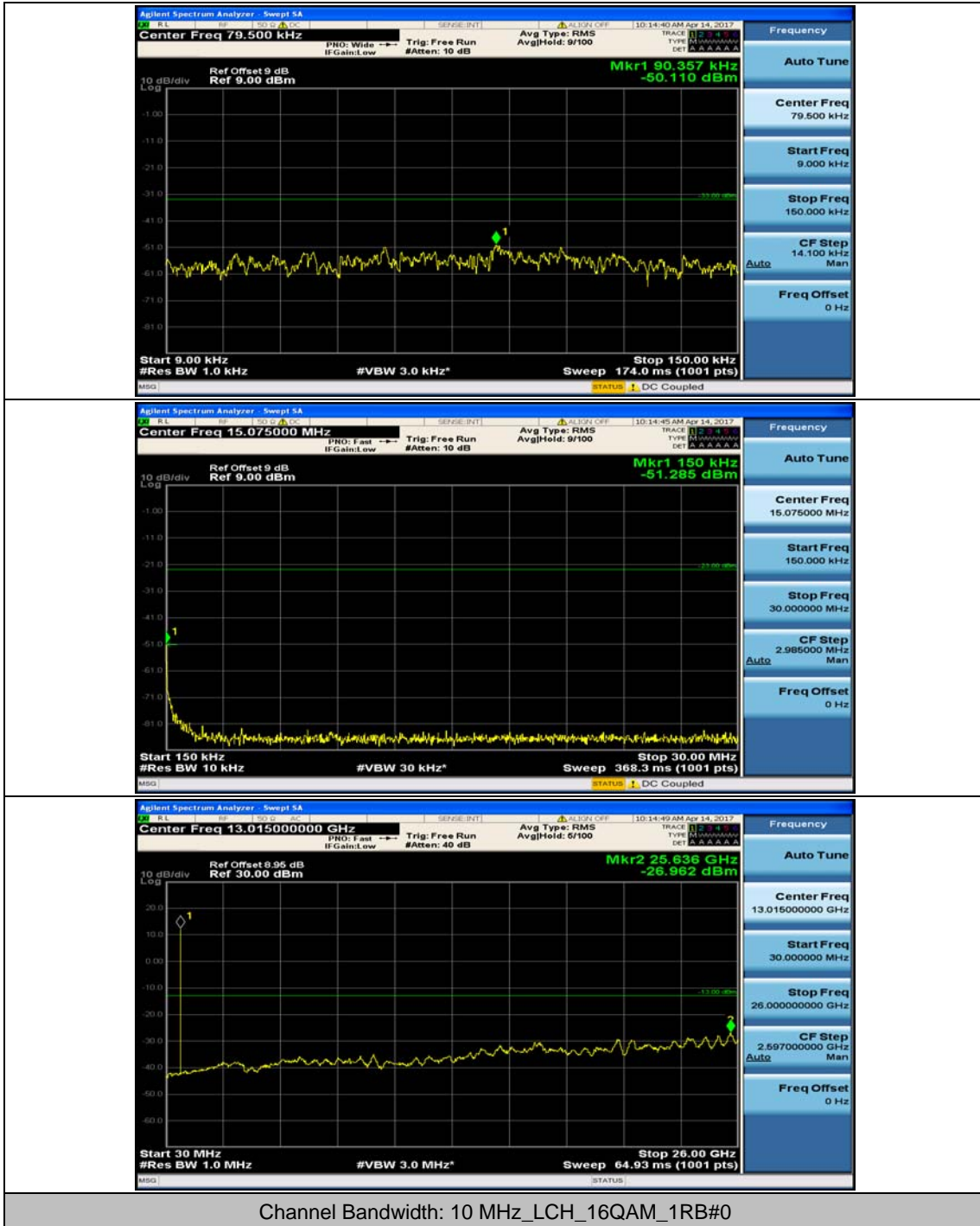


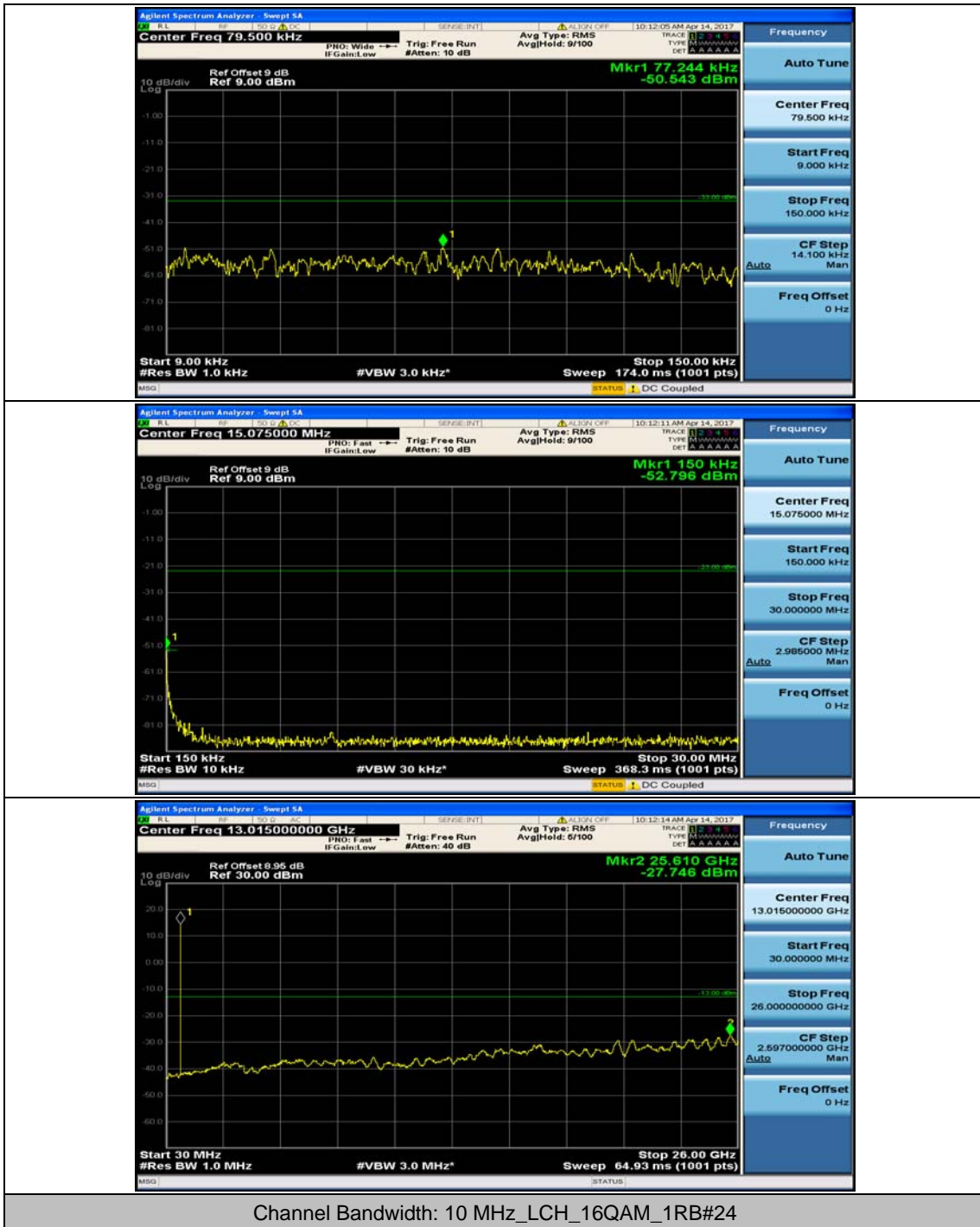


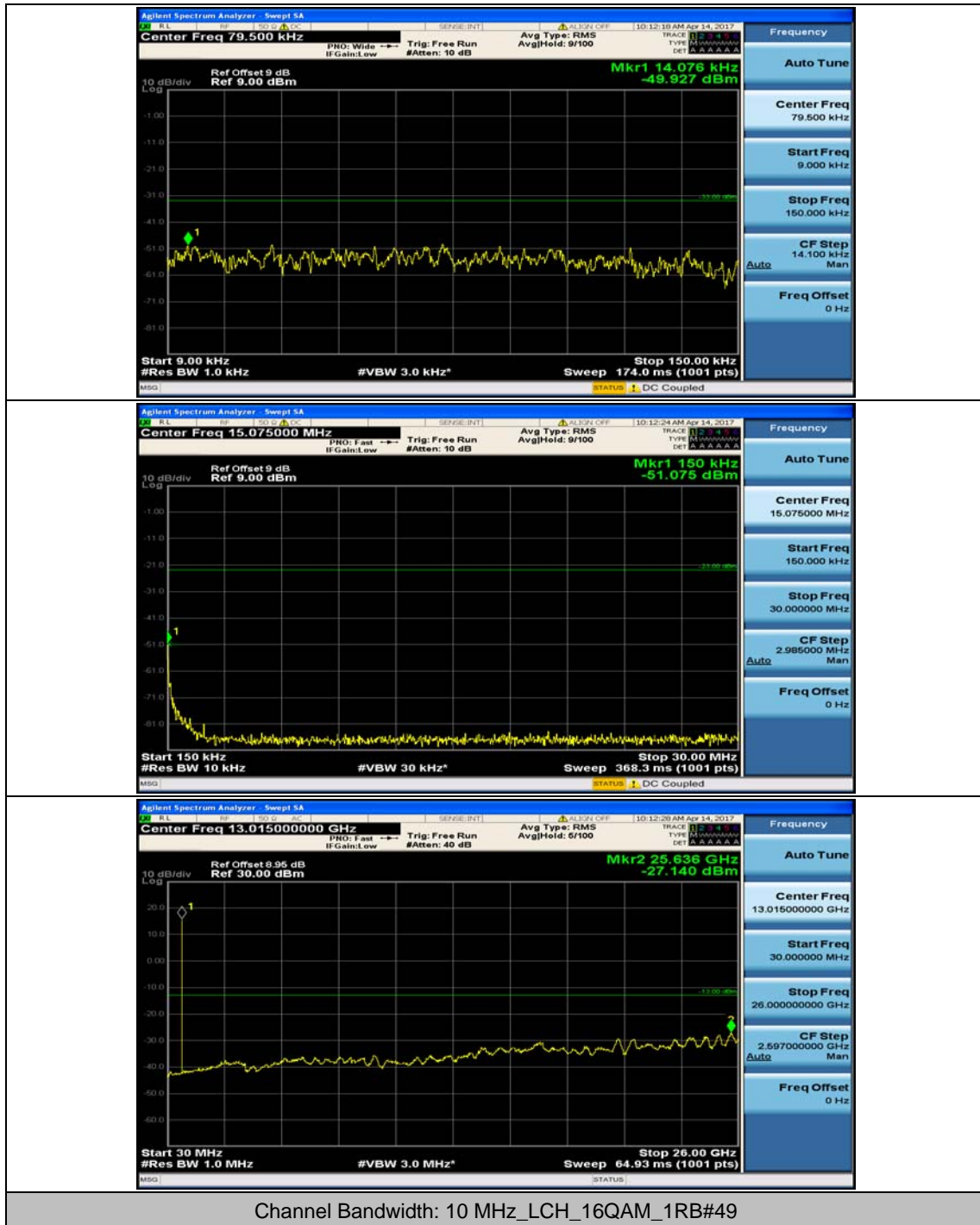


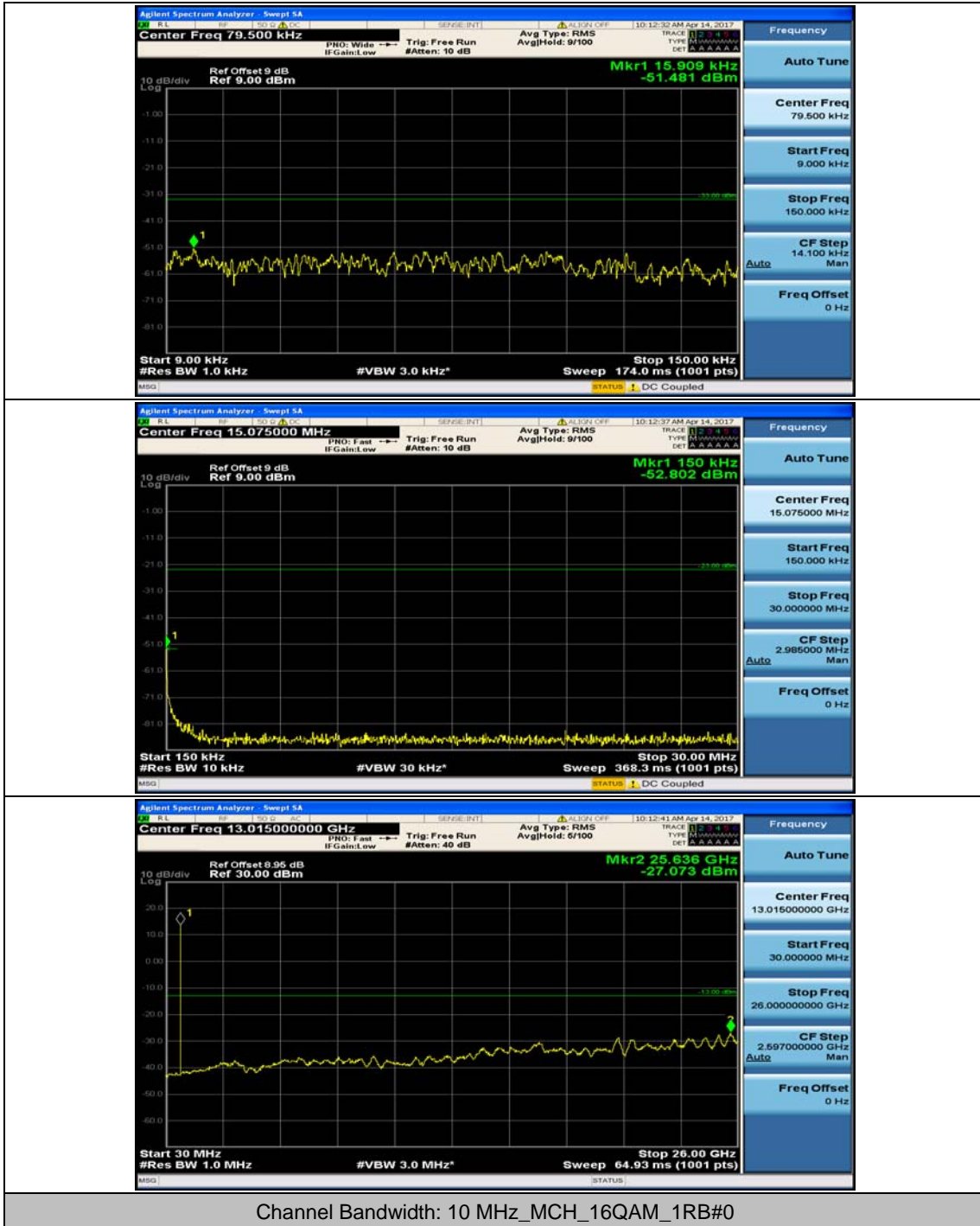


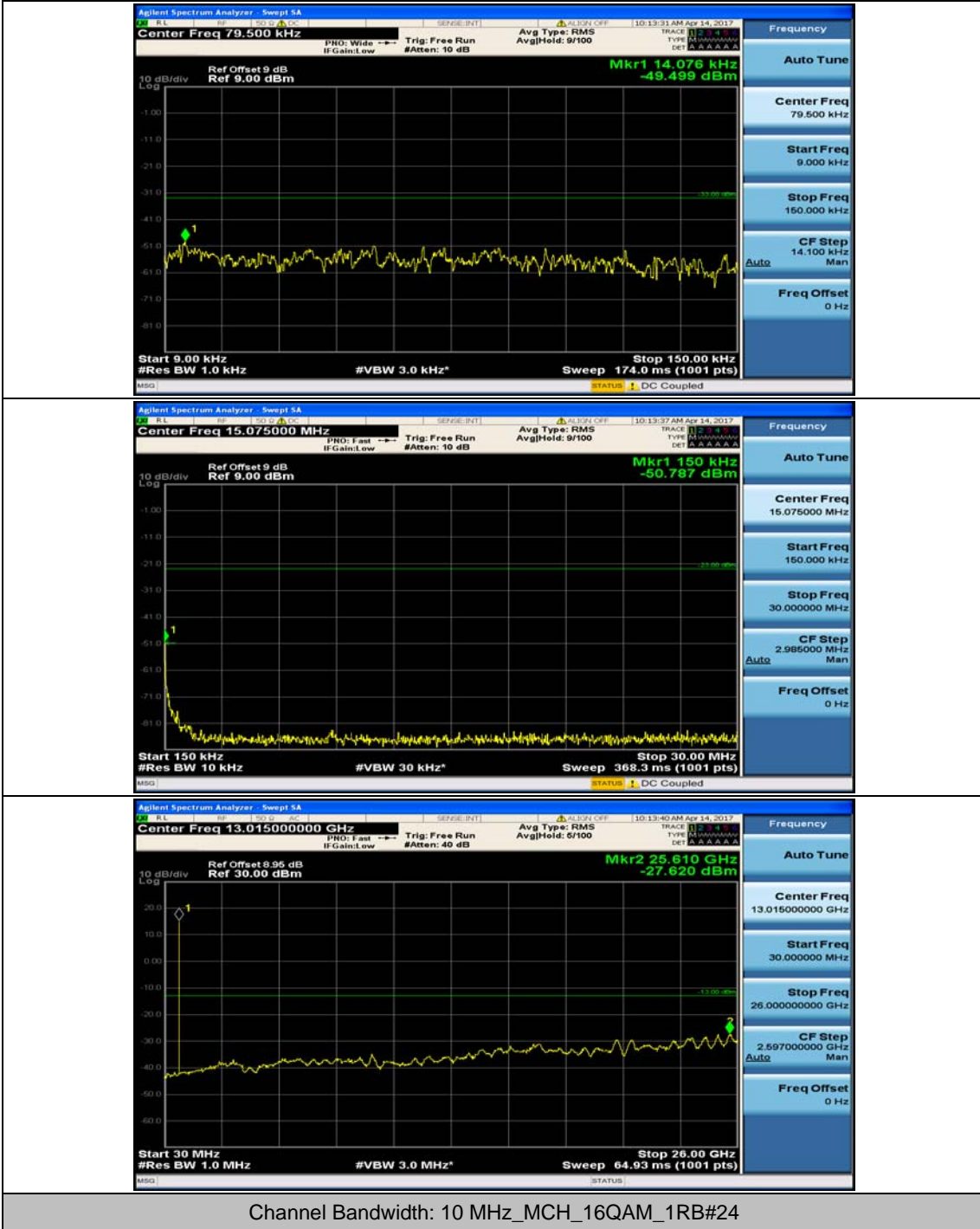


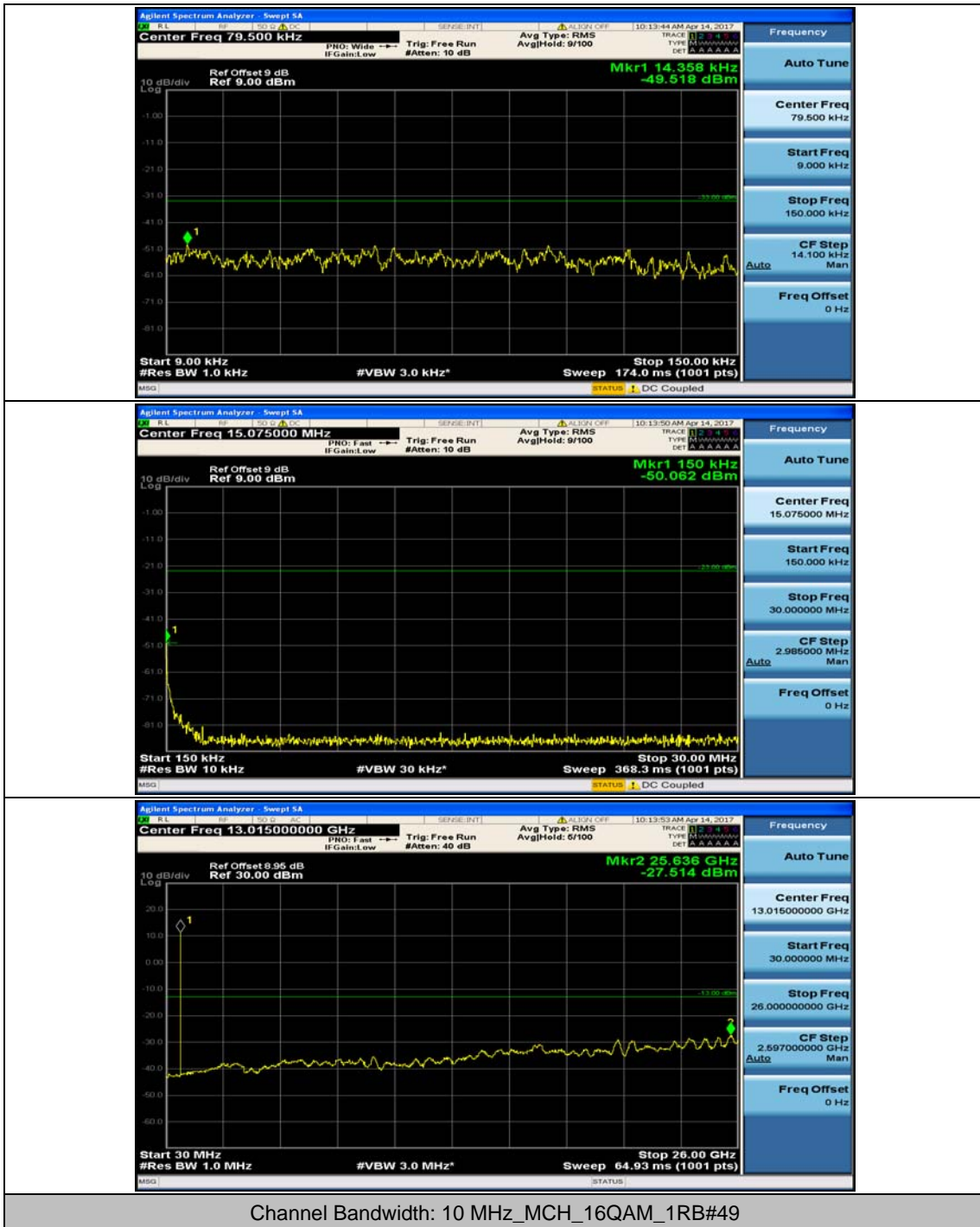




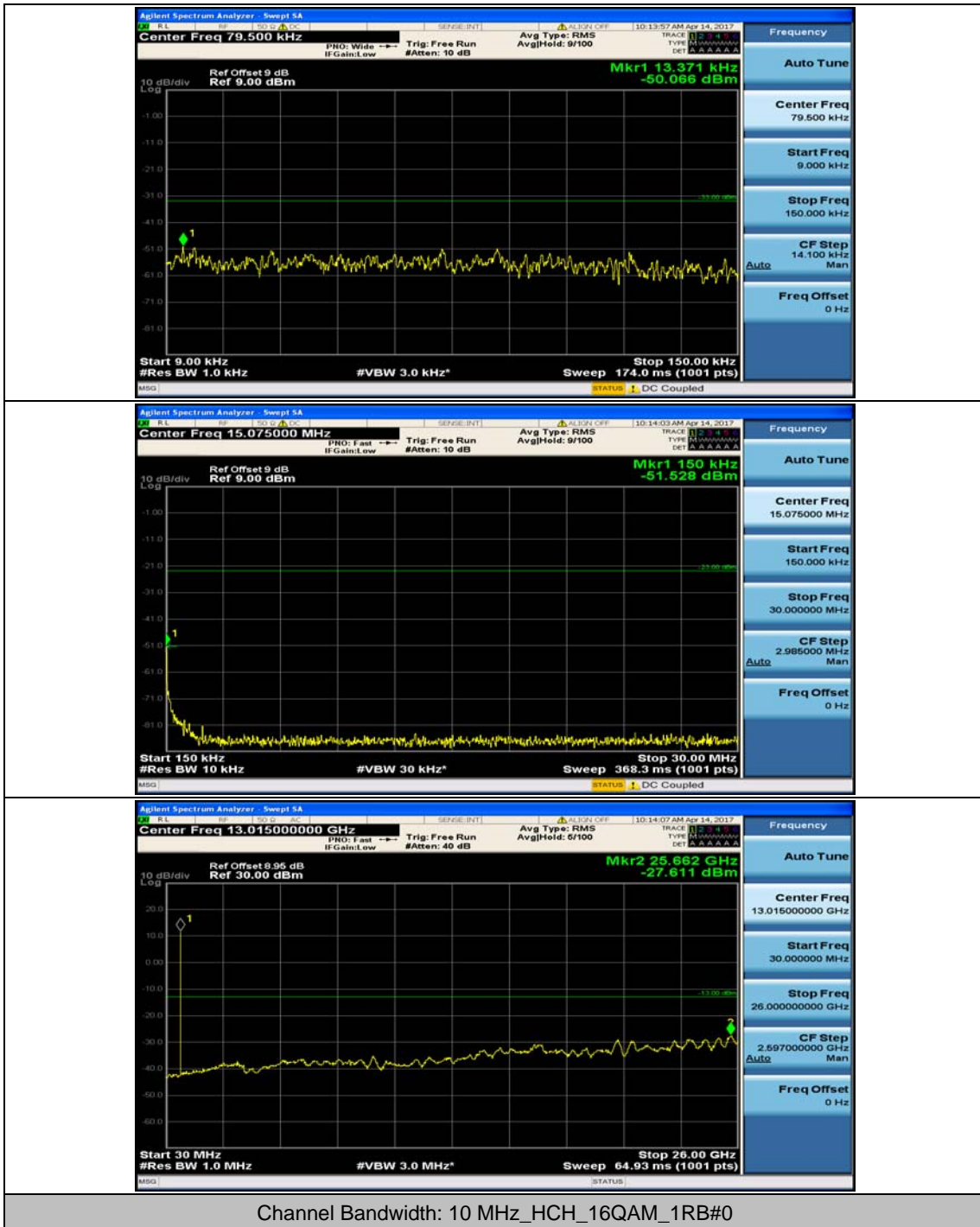


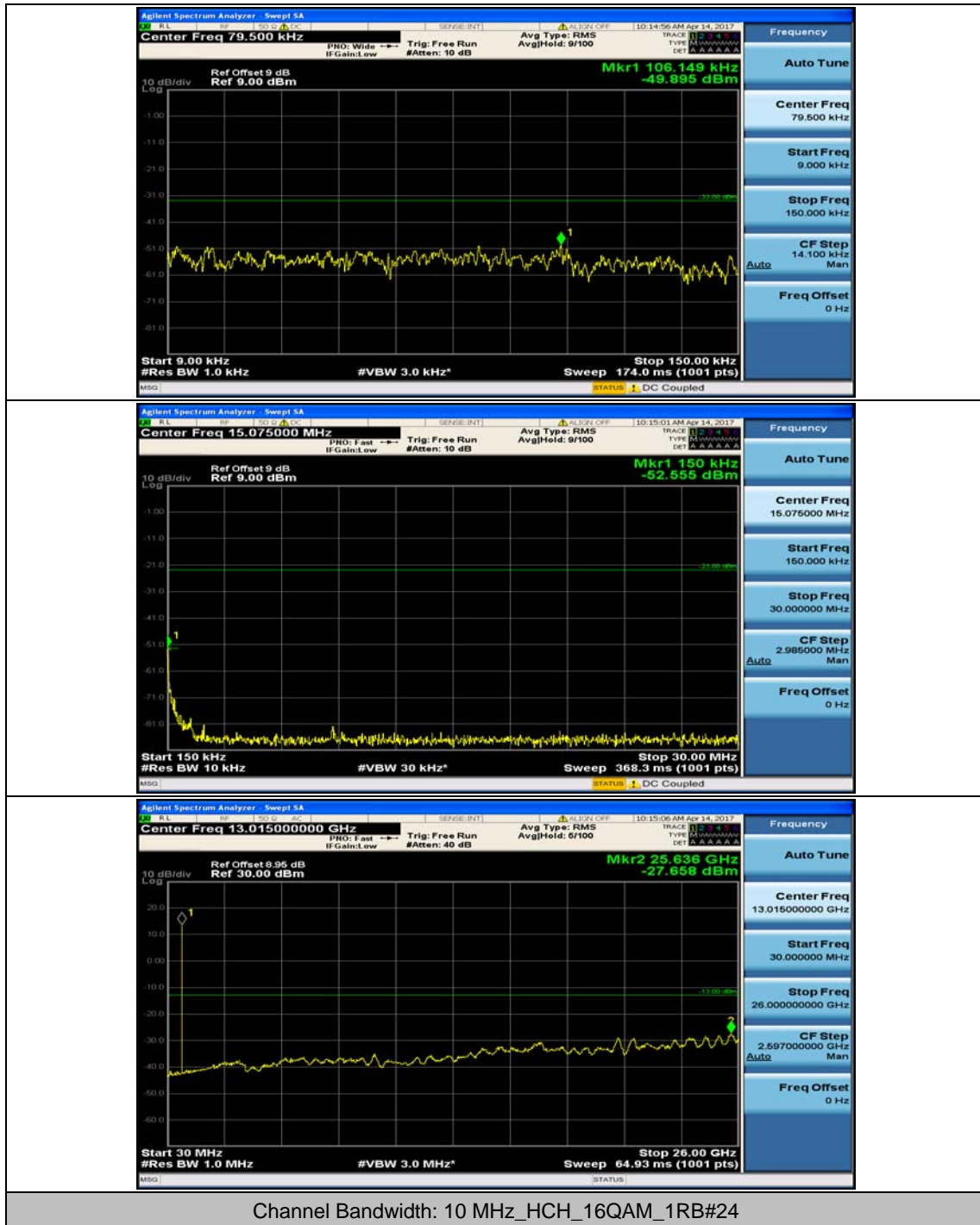


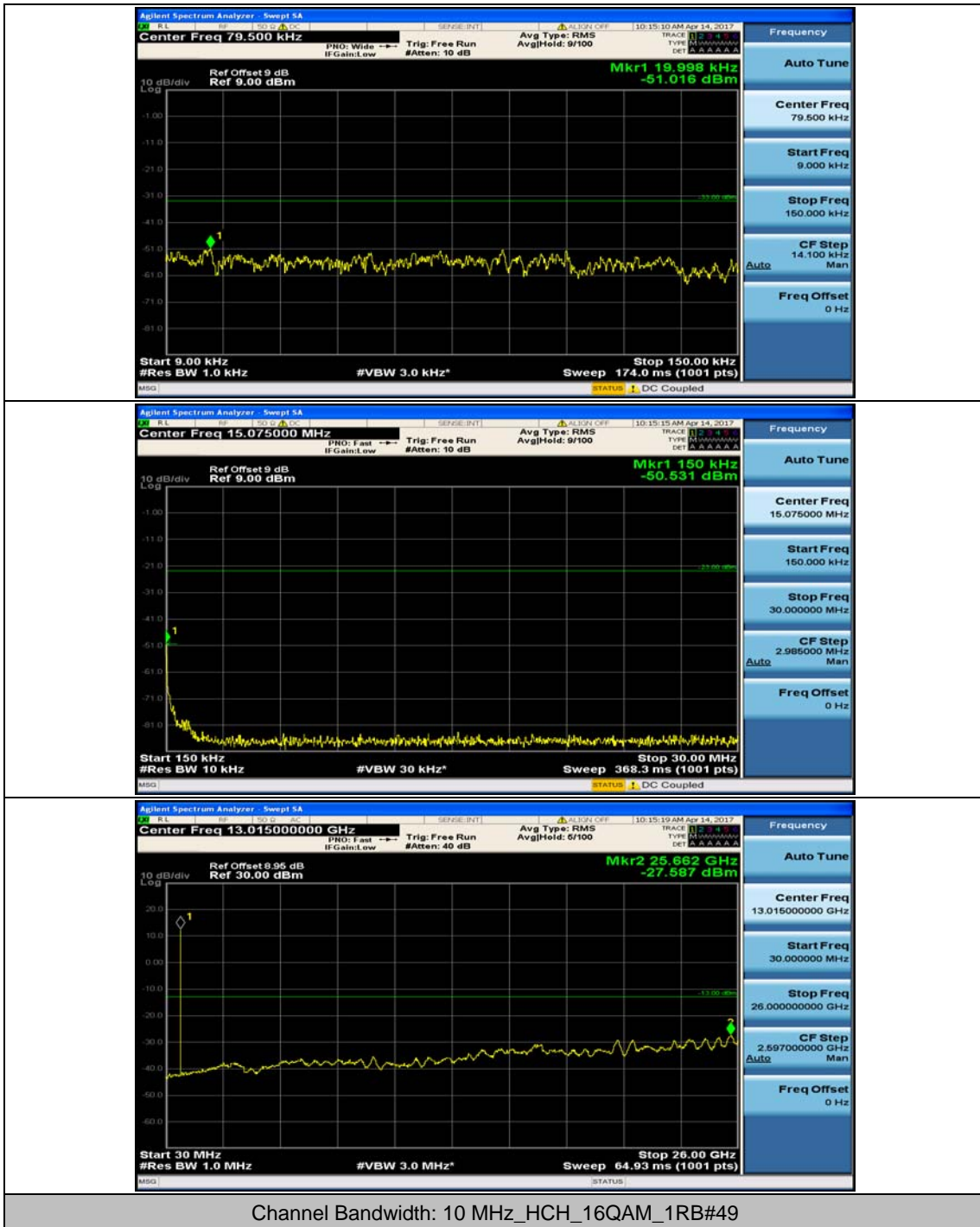


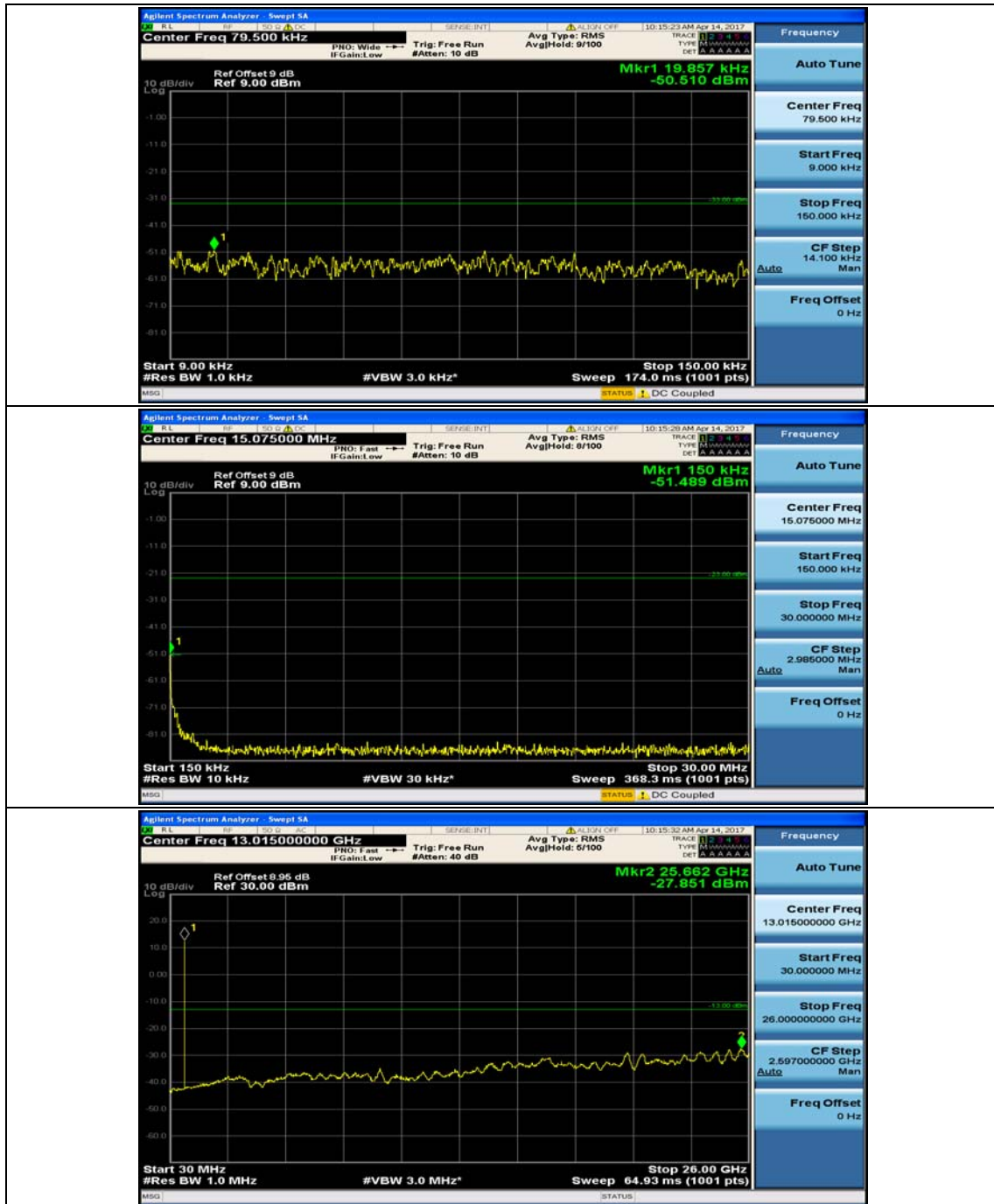












## Appendix F: Frequency Stability

### 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	3.88	0.005492	± 2.5	PASS
		VN	TN	-0.07	-0.000099	± 2.5	PASS
		VH	TN	-1.32	-0.001868	± 2.5	PASS
	MCH	VL	TN	4.13	0.005817	± 2.5	PASS
		VN	TN	3.78	0.005324	± 2.5	PASS
		VH	TN	1.58	0.002225	± 2.5	PASS
	HCH	VL	TN	3.89	0.005452	± 2.5	PASS
		VN	TN	-1.6	-0.002242	± 2.5	PASS
		VH	TN	1.63	0.002285	± 2.5	PASS
16QAM	LCH	VL	TN	2.69	0.003808	± 2.5	PASS
		VN	TN	3.17	0.004487	± 2.5	PASS
		VH	TN	-0.47	-0.000665	± 2.5	PASS
	MCH	VL	TN	1.61	0.002268	± 2.5	PASS
		VN	TN	2.47	0.003479	± 2.5	PASS
		VH	TN	3.31	0.004662	± 2.5	PASS
	HCH	VL	TN	-1.68	-0.002355	± 2.5	PASS
		VN	TN	0.42	0.000589	± 2.5	PASS
		VH	TN	-0.09	-0.000126	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.28	0.001812	± 2.5	PASS
		VN	-20	4.49	0.006355	± 2.5	PASS
		VN	-10	4.02	0.005690	± 2.5	PASS
		VN	0	0.65	0.000920	± 2.5	PASS
		VN	10	4.02	0.005690	± 2.5	PASS
		VN	20	-1.12	-0.001585	± 2.5	PASS
		VN	30	3.2	0.004529	± 2.5	PASS
		VN	40	2.49	0.003524	± 2.5	PASS
		VN	50	-1.73	-0.002449	± 2.5	PASS
	MCH	VN	-30	4.71	0.006634	± 2.5	PASS
		VN	-20	-1.88	-0.002648	± 2.5	PASS

		VN	-10	1.18	0.001662	± 2.5	PASS	
		VN	0	0.26	0.000366	± 2.5	PASS	
		VN	10	2.17	0.003056	± 2.5	PASS	
		VN	20	1.9	0.002676	± 2.5	PASS	
		VN	30	2.41	0.003394	± 2.5	PASS	
		VN	40	3.49	0.004915	± 2.5	PASS	
		VN	50	0.72	0.001014	± 2.5	PASS	
	HCH	VN	-30	-1.43	-0.002004	± 2.5	PASS	
		VN	-20	3.38	0.004737	± 2.5	PASS	
		VN	-10	0.83	0.001163	± 2.5	PASS	
		VN	0	-1.37	-0.001920	± 2.5	PASS	
		VN	10	3.87	0.005424	± 2.5	PASS	
		VN	20	1.87	0.002621	± 2.5	PASS	
		VN	30	4.38	0.006139	± 2.5	PASS	
	16QAM	LCH	VN	-30	1.82	0.002576	± 2.5	PASS
			VN	-20	3.09	0.004374	± 2.5	PASS
			VN	-10	0.87	0.001231	± 2.5	PASS
			VN	0	2.61	0.003694	± 2.5	PASS
VN			10	1.73	0.002449	± 2.5	PASS	
VN			20	4.88	0.006907	± 2.5	PASS	
VN			30	0.84	0.001189	± 2.5	PASS	
VN			40	-0.41	-0.000580	± 2.5	PASS	
VN			50	-0.2	-0.000283	± 2.5	PASS	
MCH		VN	-30	-0.49	-0.000687	± 2.5	PASS	
		VN	-20	1.1	0.001542	± 2.5	PASS	
		VN	-10	-0.81	-0.001135	± 2.5	PASS	
		VN	0	1.2	0.001682	± 2.5	PASS	
		VN	10	2.95	0.004135	± 2.5	PASS	
		VN	20	-0.36	-0.000505	± 2.5	PASS	
		VN	30	3.42	0.004793	± 2.5	PASS	
		VN	40	0.84	0.001177	± 2.5	PASS	
		VN	50	-1.65	-0.002313	± 2.5	PASS	
HCH	VN	-30	0.67	0.000939	± 2.5	PASS		
	VN	-20	4.28	0.005999	± 2.5	PASS		
	VN	-10	3.05	0.004275	± 2.5	PASS		
	VN	0	1.76	0.002467	± 2.5	PASS		
	VN	10	2.48	0.003476	± 2.5	PASS		
	VN	20	-1.56	-0.002186	± 2.5	PASS		
	VN	30	4.56	0.006391	± 2.5	PASS		

		VN	40	2.7	0.003784	± 2.5	PASS
		VN	50	-0.1	-0.000140	± 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	-1.07	-0.001509	± 2.5	PASS
		VN	TN	-0.06	-0.000085	± 2.5	PASS
		VH	TN	0.13	0.000183	± 2.5	PASS
	MCH	VL	TN	0.27	0.000380	± 2.5	PASS
		VN	TN	4.1	0.005775	± 2.5	PASS
		VH	TN	3.39	0.004775	± 2.5	PASS
	HCH	VL	TN	0.43	0.000605	± 2.5	PASS
		VN	TN	0.82	0.001153	± 2.5	PASS
		VH	TN	1.61	0.002264	± 2.5	PASS
16QAM	LCH	VL	TN	4.26	0.006008	± 2.5	PASS
		VN	TN	-0.11	-0.000155	± 2.5	PASS
		VH	TN	4.07	0.005740	± 2.5	PASS
	MCH	VL	TN	-0.97	-0.001366	± 2.5	PASS
		VN	TN	4.63	0.006521	± 2.5	PASS
		VH	TN	2.5	0.003521	± 2.5	PASS
	HCH	VL	TN	2.58	0.003629	± 2.5	PASS
		VN	TN	-0.98	-0.001378	± 2.5	PASS
		VH	TN	0.96	0.001350	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-0.44	-0.000621	± 2.5	PASS
		VN	-20	-1.46	-0.002059	± 2.5	PASS
		VN	-10	-0.51	-0.000719	± 2.5	PASS
		VN	0	-0.78	-0.001100	± 2.5	PASS
		VN	10	1.26	0.001777	± 2.5	PASS
		VN	20	-1.23	-0.001735	± 2.5	PASS
		VN	30	3.28	0.004626	± 2.5	PASS
		VN	40	0.3	0.000423	± 2.5	PASS
		VN	50	0.5	0.000705	± 2.5	PASS
	MCH	VN	-30	3.52	0.004958	± 2.5	PASS
		VN	-20	3.41	0.004803	± 2.5	PASS
		VN	-10	2.26	0.003183	± 2.5	PASS
		VN	0	-0.68	-0.000958	± 2.5	PASS

		VN	10	4.03	0.005676	± 2.5	PASS
		VN	20	-1.21	-0.001704	± 2.5	PASS
		VN	30	-1.63	-0.002296	± 2.5	PASS
		VN	40	0.61	0.000859	± 2.5	PASS
		VN	50	2.42	0.003408	± 2.5	PASS
	HCH	VN	-30	0.99	0.001392	± 2.5	PASS
		VN	-20	2.06	0.002897	± 2.5	PASS
		VN	-10	3.88	0.005457	± 2.5	PASS
		VN	0	-1.44	-0.002025	± 2.5	PASS
		VN	10	-1.55	-0.002180	± 2.5	PASS
		VN	20	4.73	0.006653	± 2.5	PASS
		VN	30	-0.69	-0.000970	± 2.5	PASS
		VN	40	-0.16	-0.000225	± 2.5	PASS
		VN	50	2.31	0.003249	± 2.5	PASS
		QPSK	LCH	VN	-30	3	0.004225
VN	-20			4.87	0.006859	± 2.5	PASS
VN	-10			3.61	0.005085	± 2.5	PASS
VN	0			-1.04	-0.001465	± 2.5	PASS
VN	10			-0.41	-0.000577	± 2.5	PASS
VN	20			1.39	0.001958	± 2.5	PASS
VN	30			0.57	0.000803	± 2.5	PASS
VN	40			3.28	0.004620	± 2.5	PASS
VN	50			1.85	0.002606	± 2.5	PASS
MCH	VN		-30	-0.59	-0.000830	± 2.5	PASS
	VN		-20	2.51	0.003530	± 2.5	PASS
	VN		-10	-0.24	-0.000338	± 2.5	PASS
	VN		0	-0.14	-0.000197	± 2.5	PASS
	VN		10	-0.58	-0.000816	± 2.5	PASS
	VN		20	-1.76	-0.002475	± 2.5	PASS
	VN		30	3.86	0.005429	± 2.5	PASS
	VN		40	2.19	0.003080	± 2.5	PASS
	VN		50	0.8	0.001125	± 2.5	PASS
HCH	VN		-30	1.61	0.002264	± 2.5	PASS
	VN		-20	-0.79	-0.001111	± 2.5	PASS
	VN		-10	3.27	0.004599	± 2.5	PASS
	VN		0	3.34	0.004698	± 2.5	PASS
	VN		10	0.62	0.000872	± 2.5	PASS
	VN		20	3.3	0.004641	± 2.5	PASS
	VN		30	2.42	0.003404	± 2.5	PASS
	VN		40	-1.55	-0.002180	± 2.5	PASS
	VN		50	-1.36	-0.001913	± 2.5	PASS