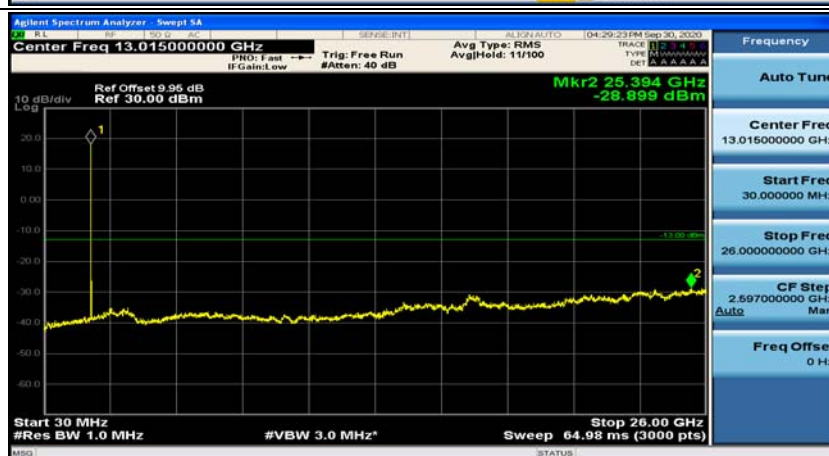
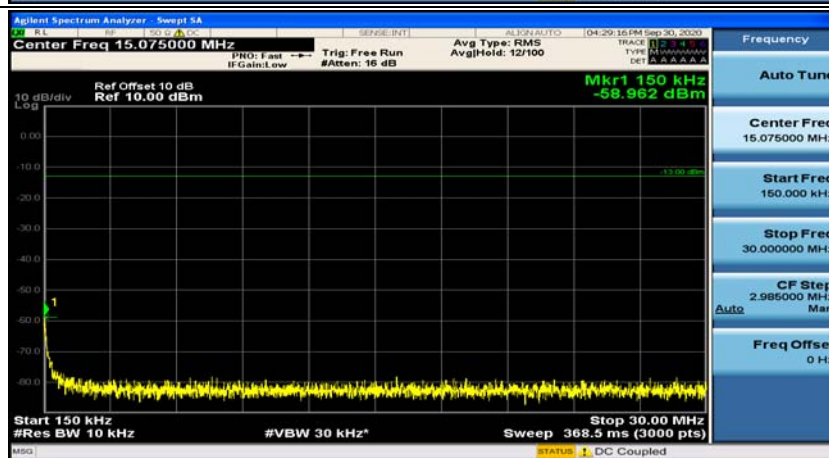
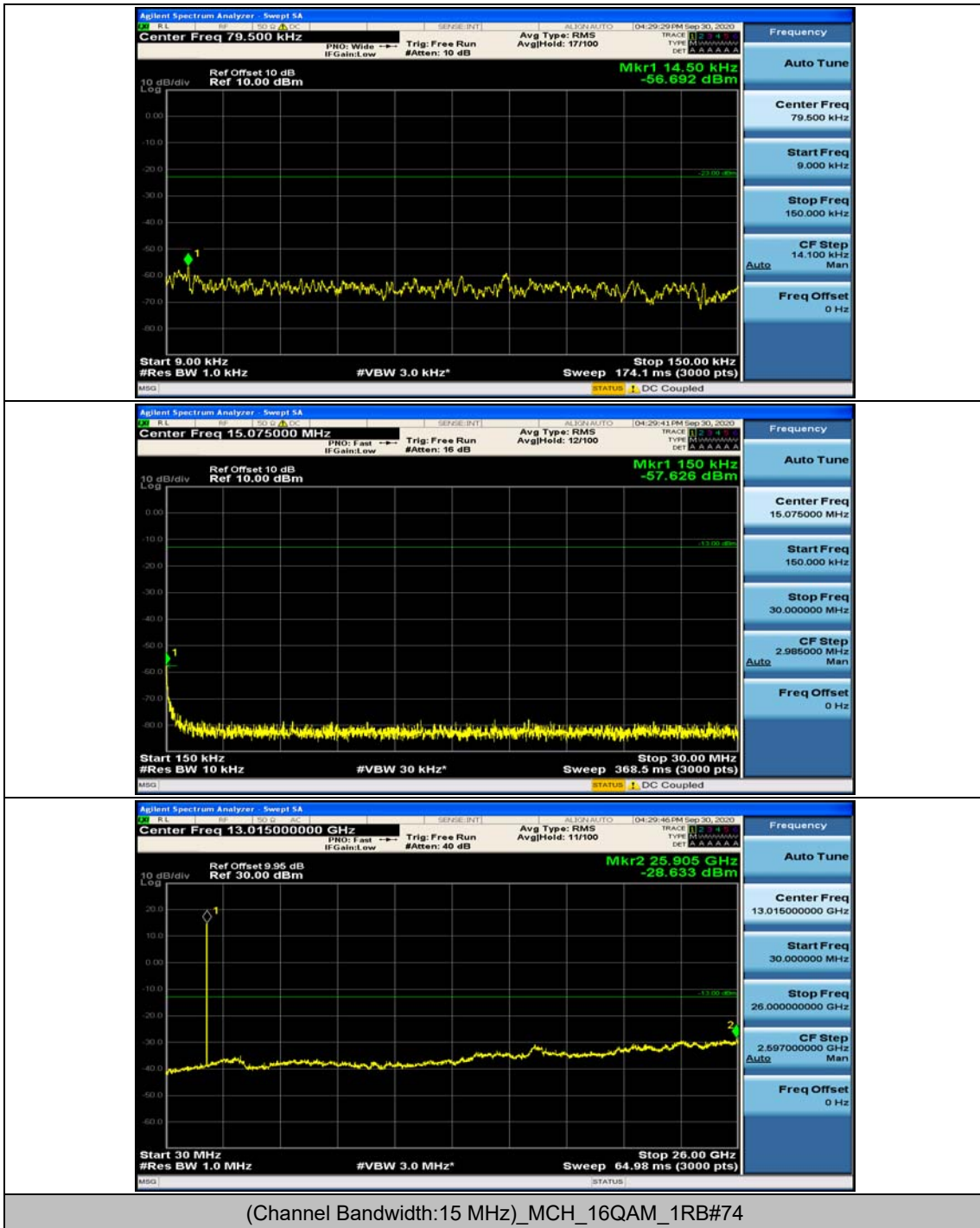


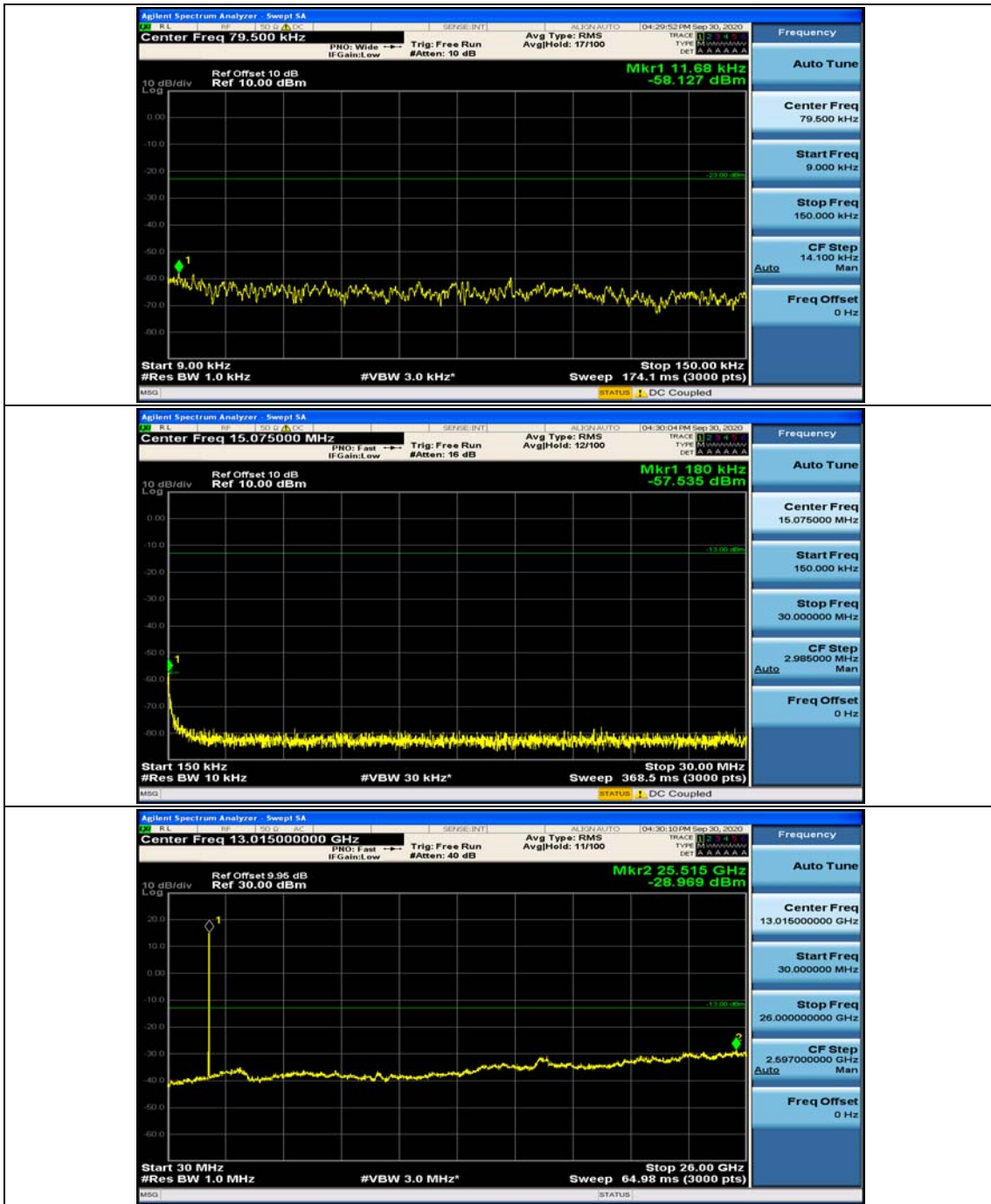
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0

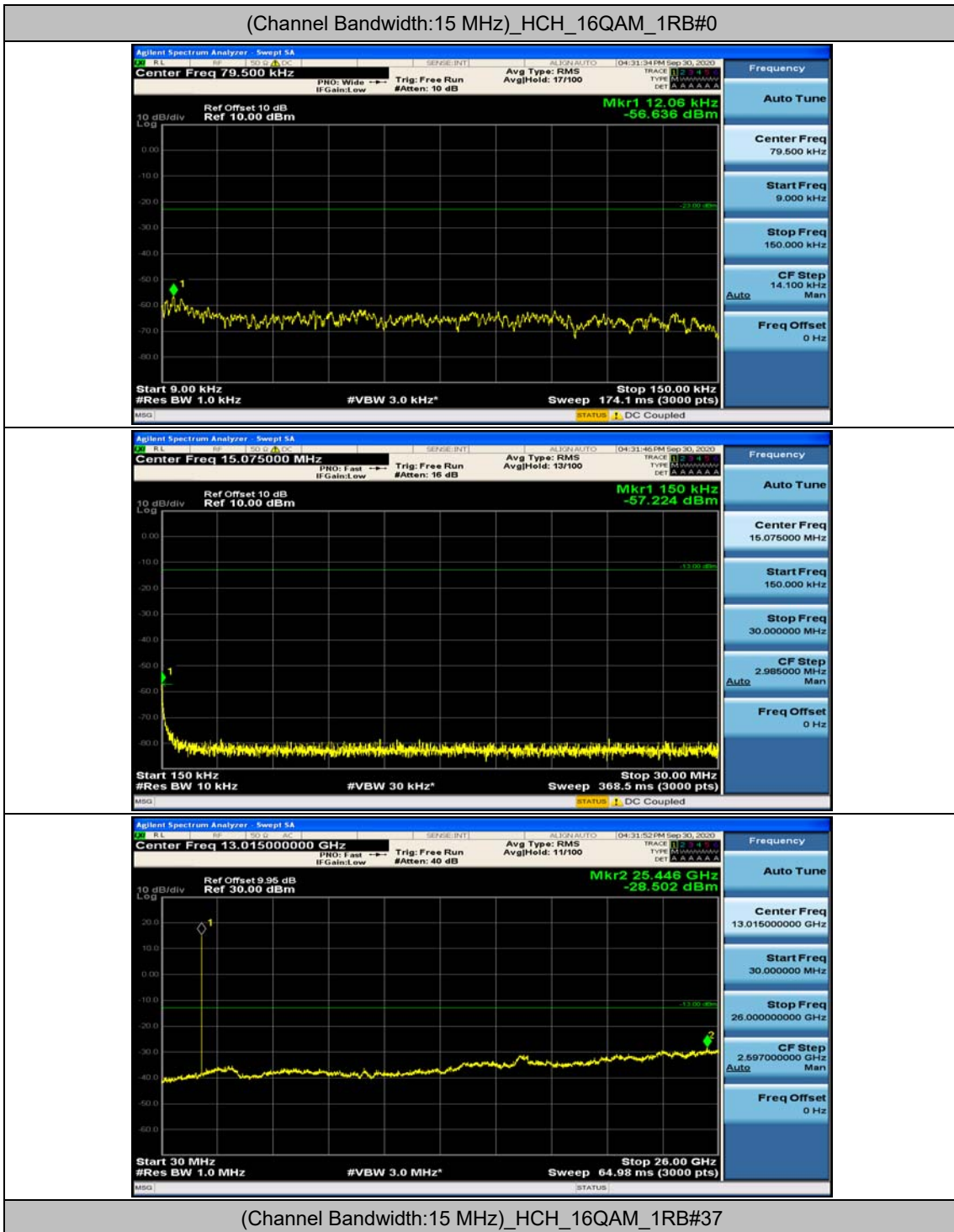


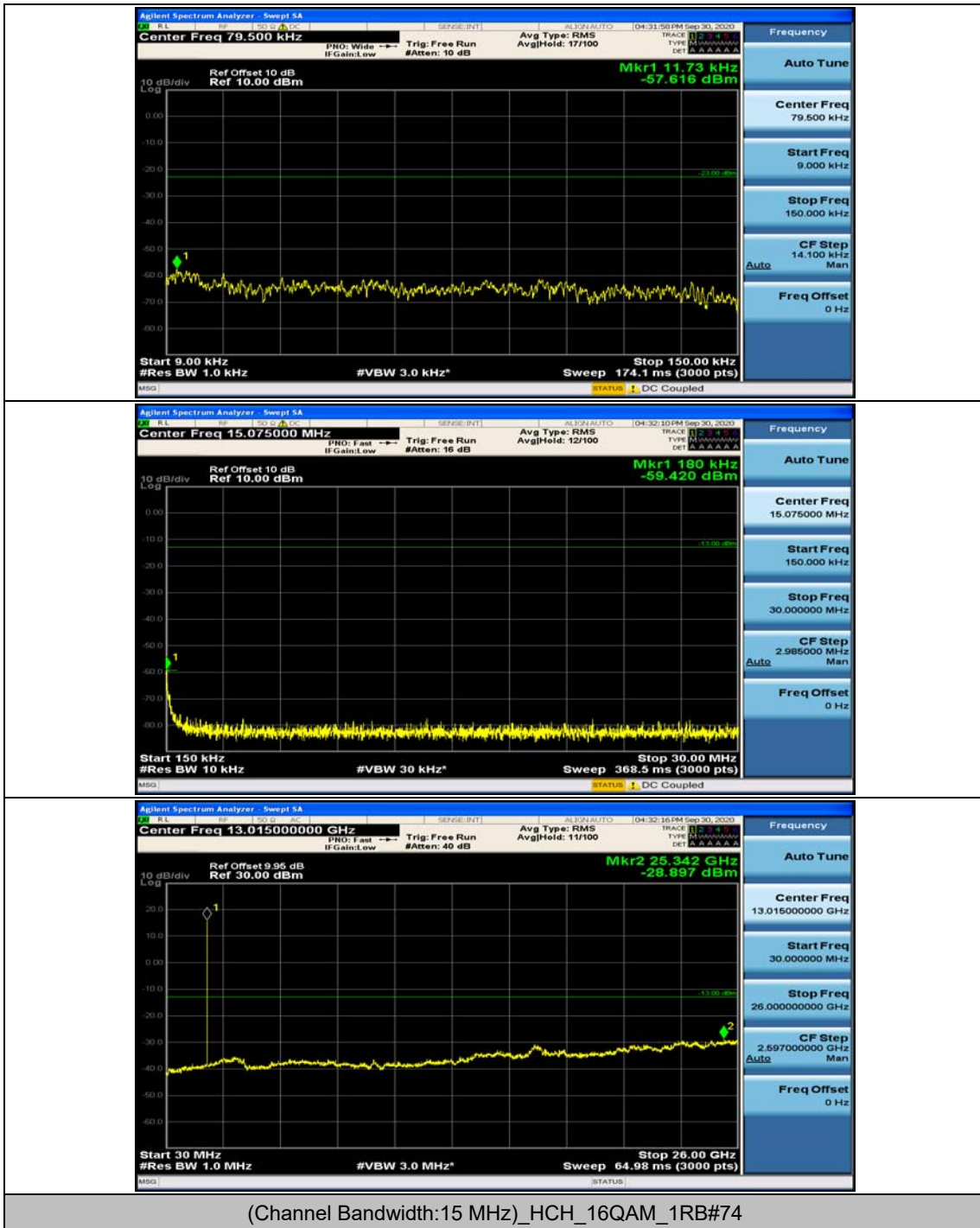
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37

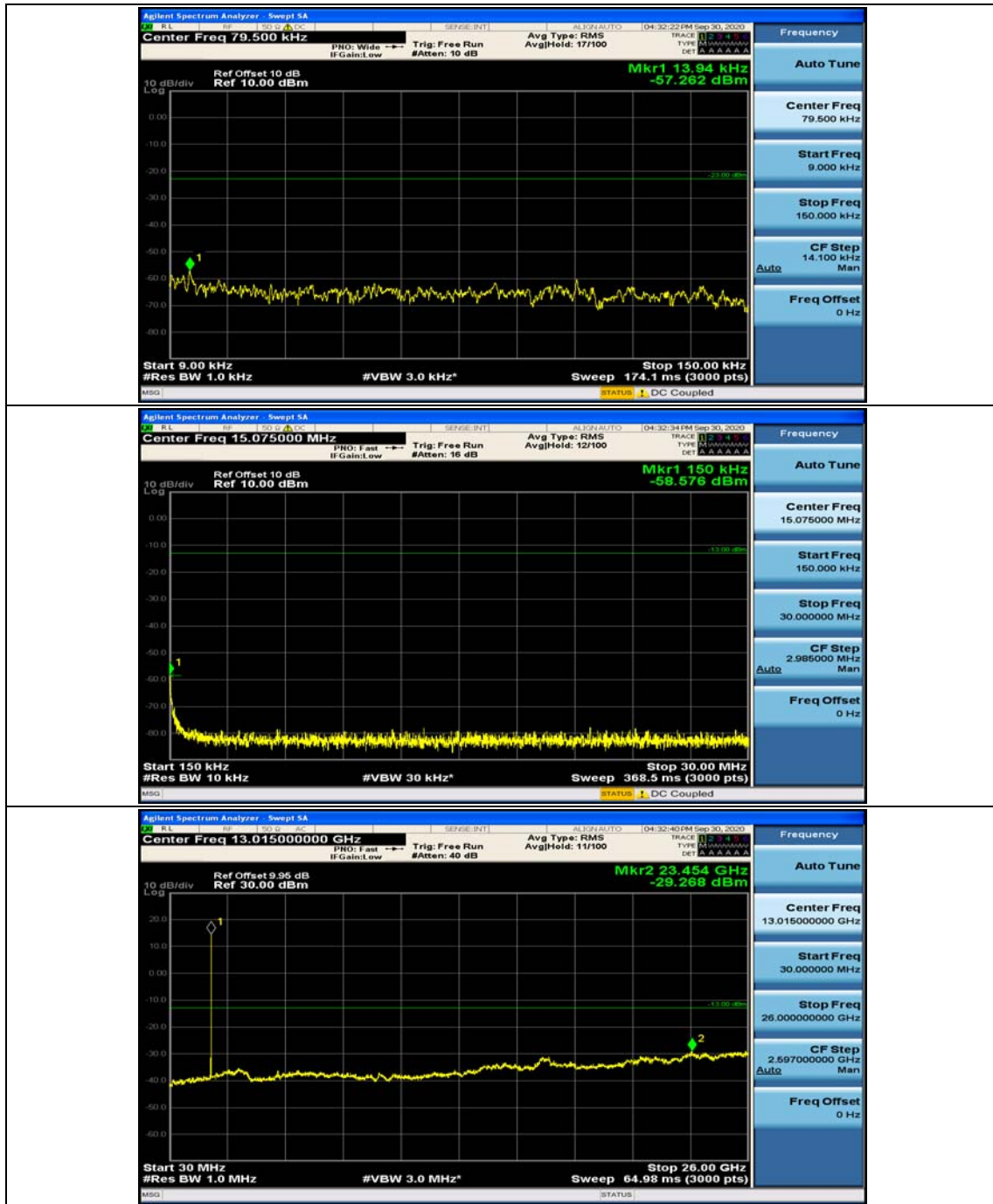




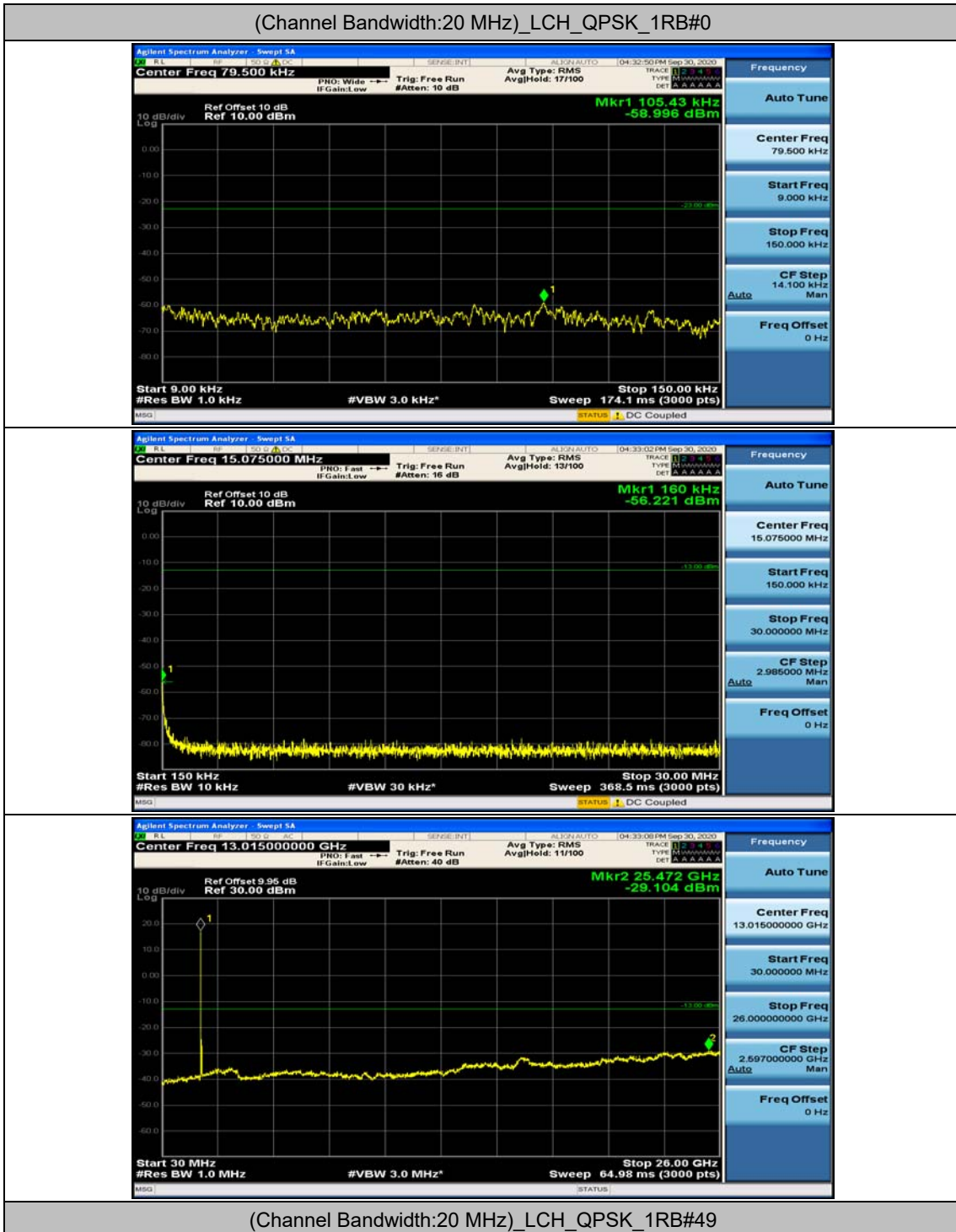


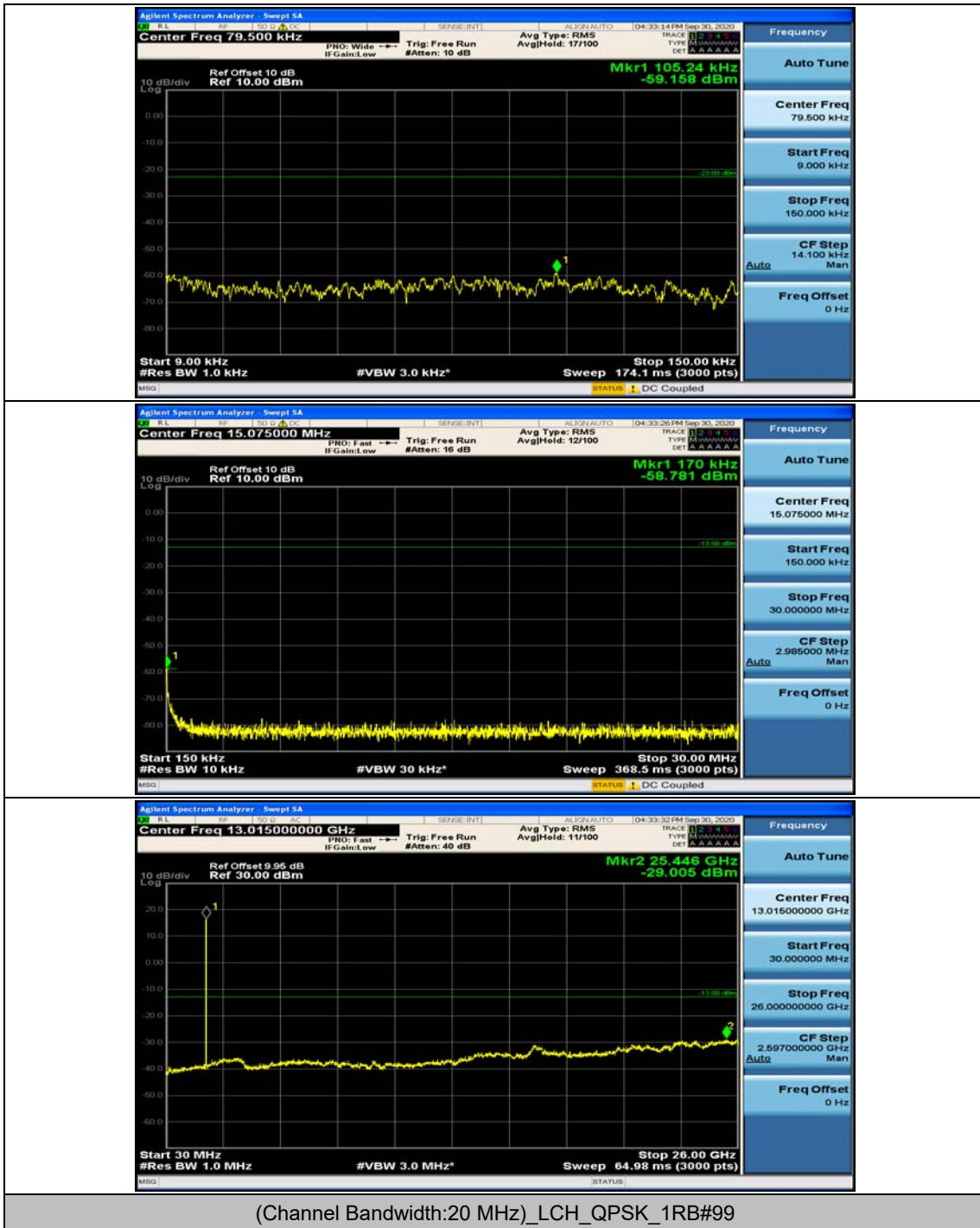


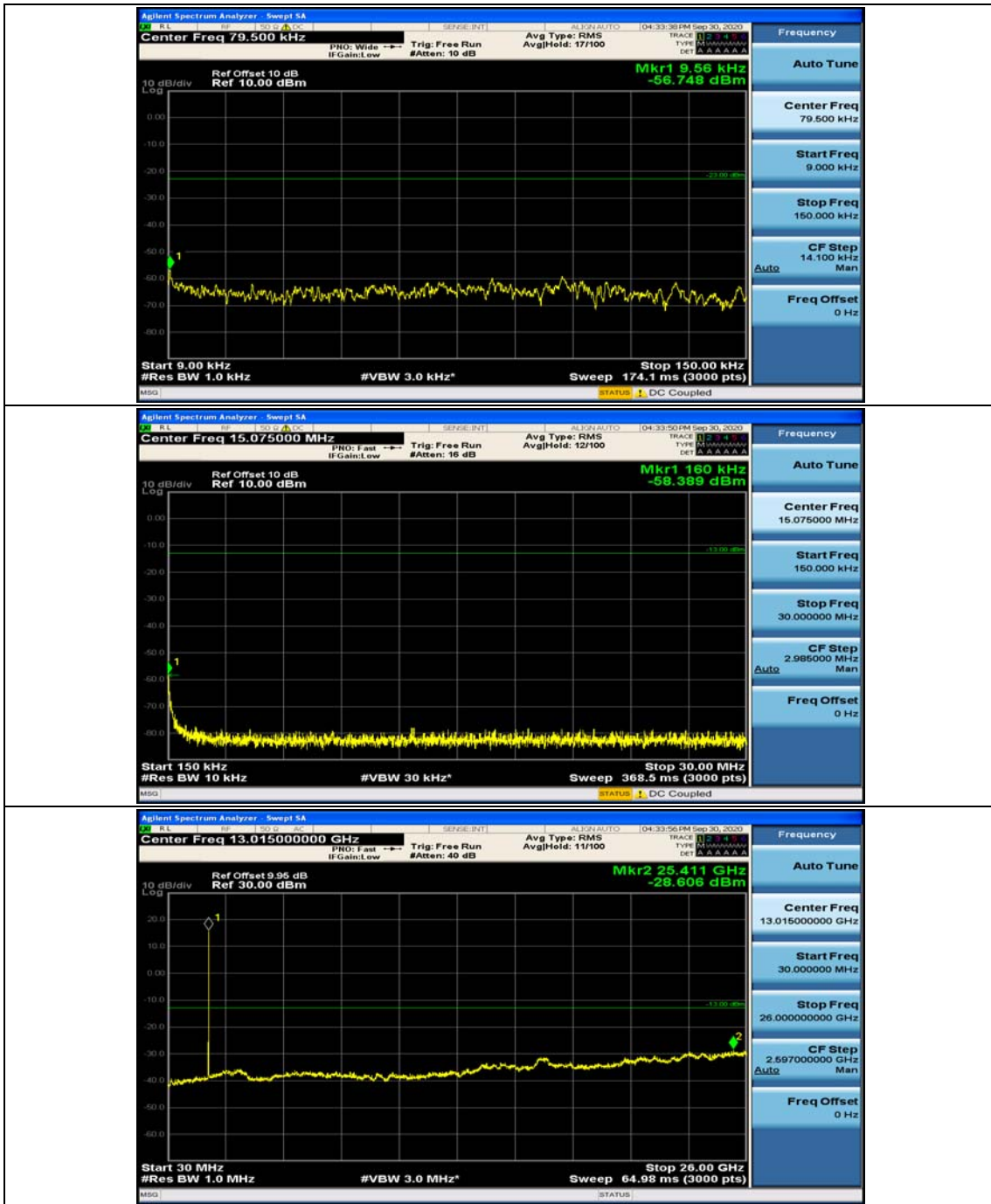


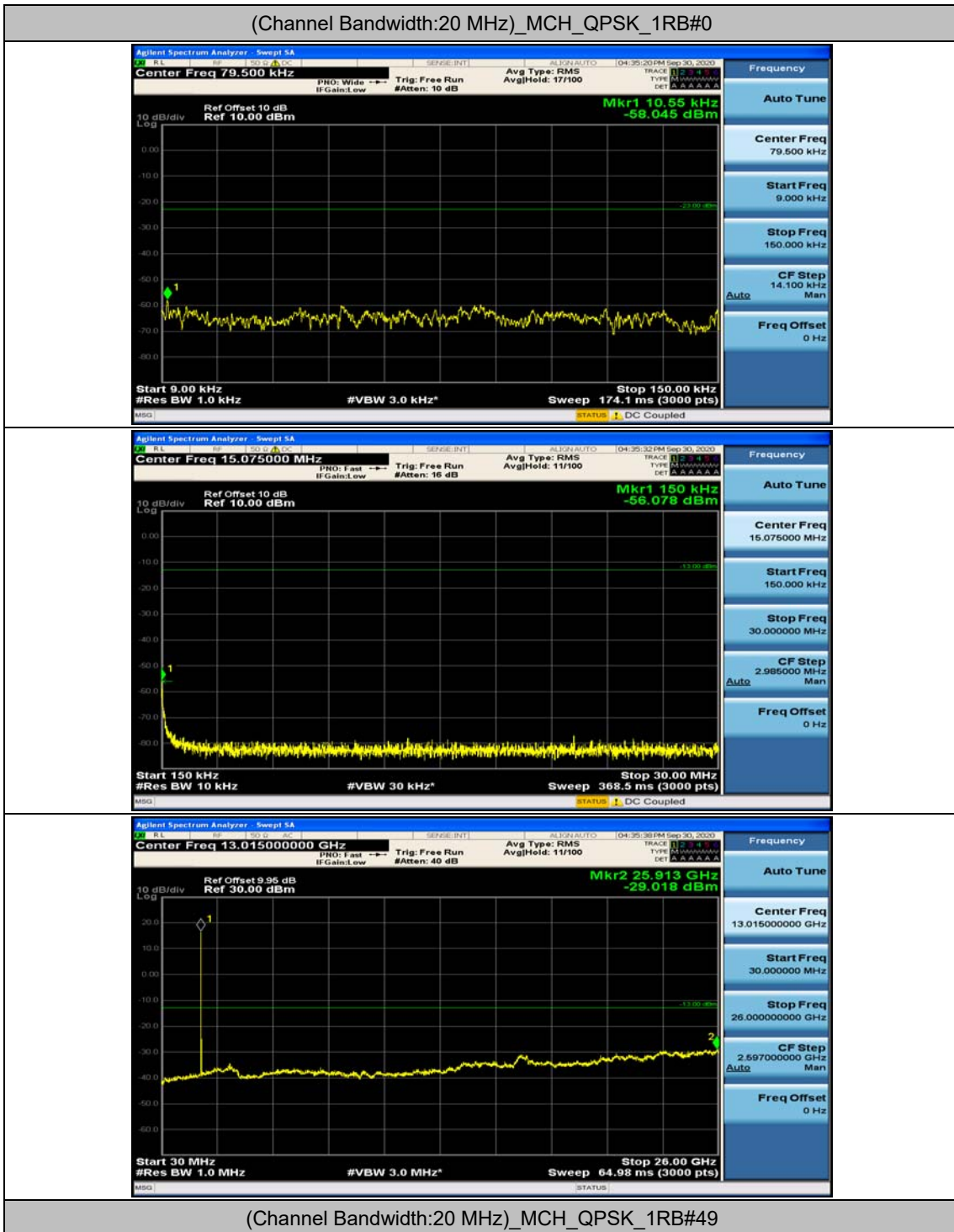


**Channel Bandwidth: 20 MHz**

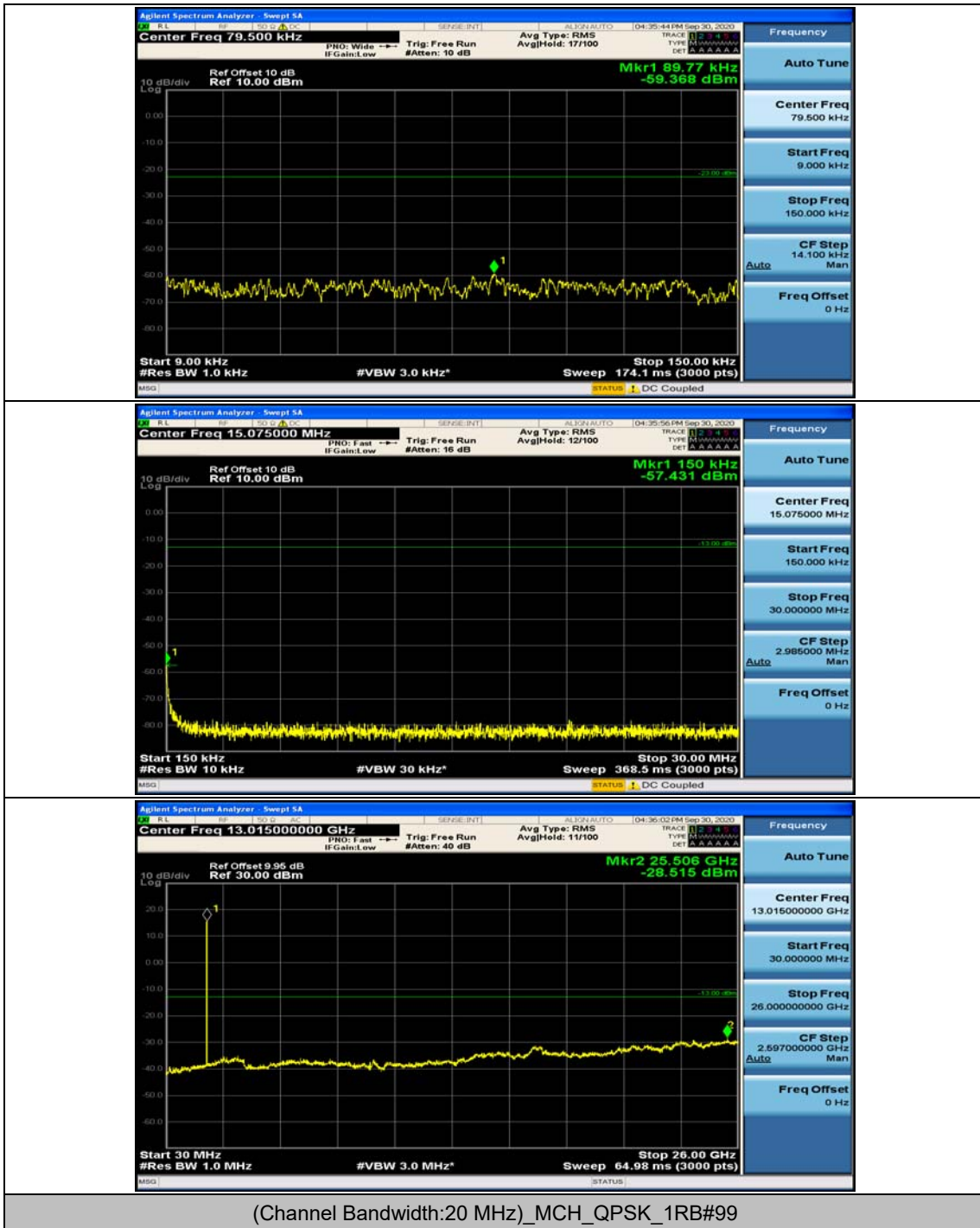


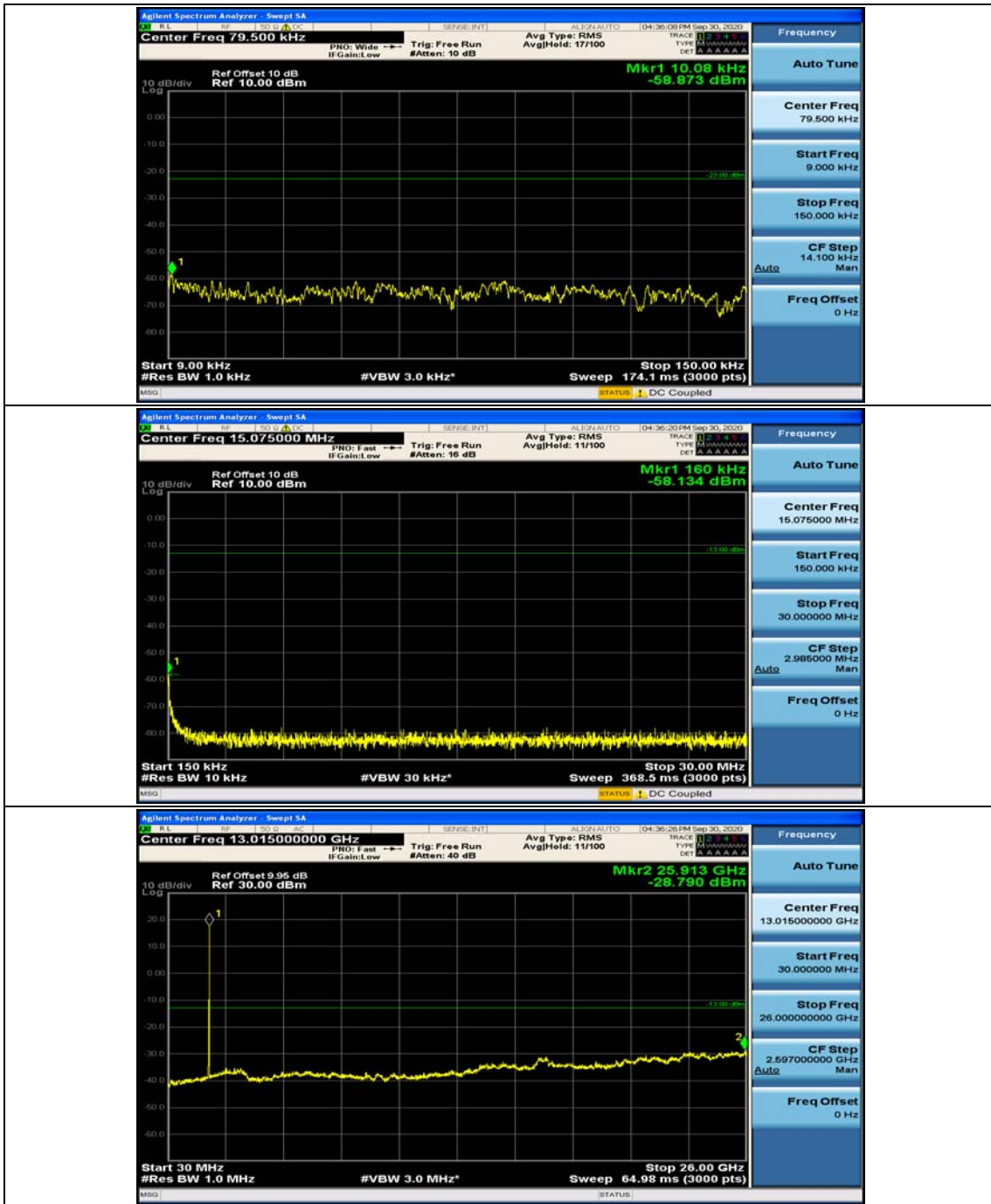


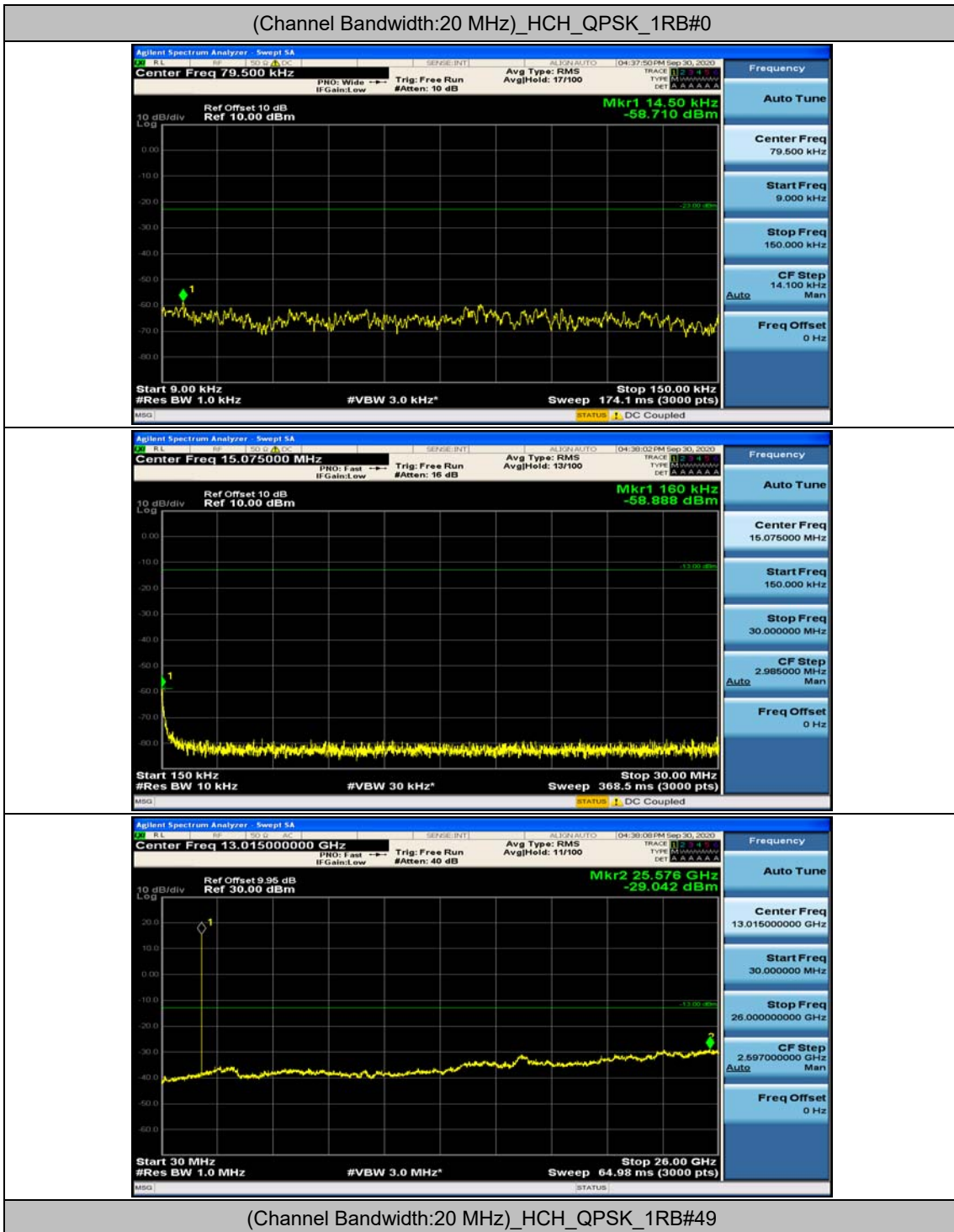


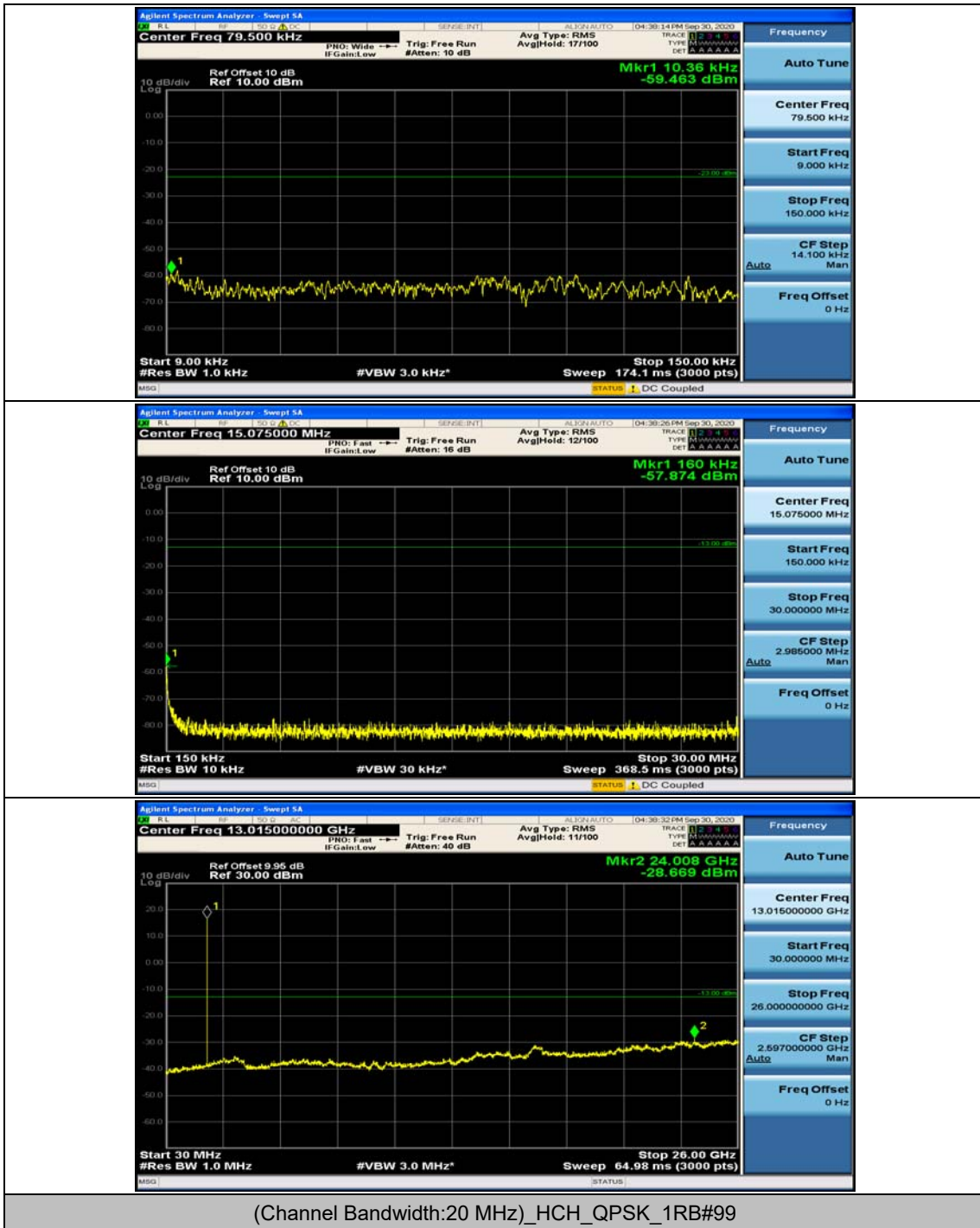


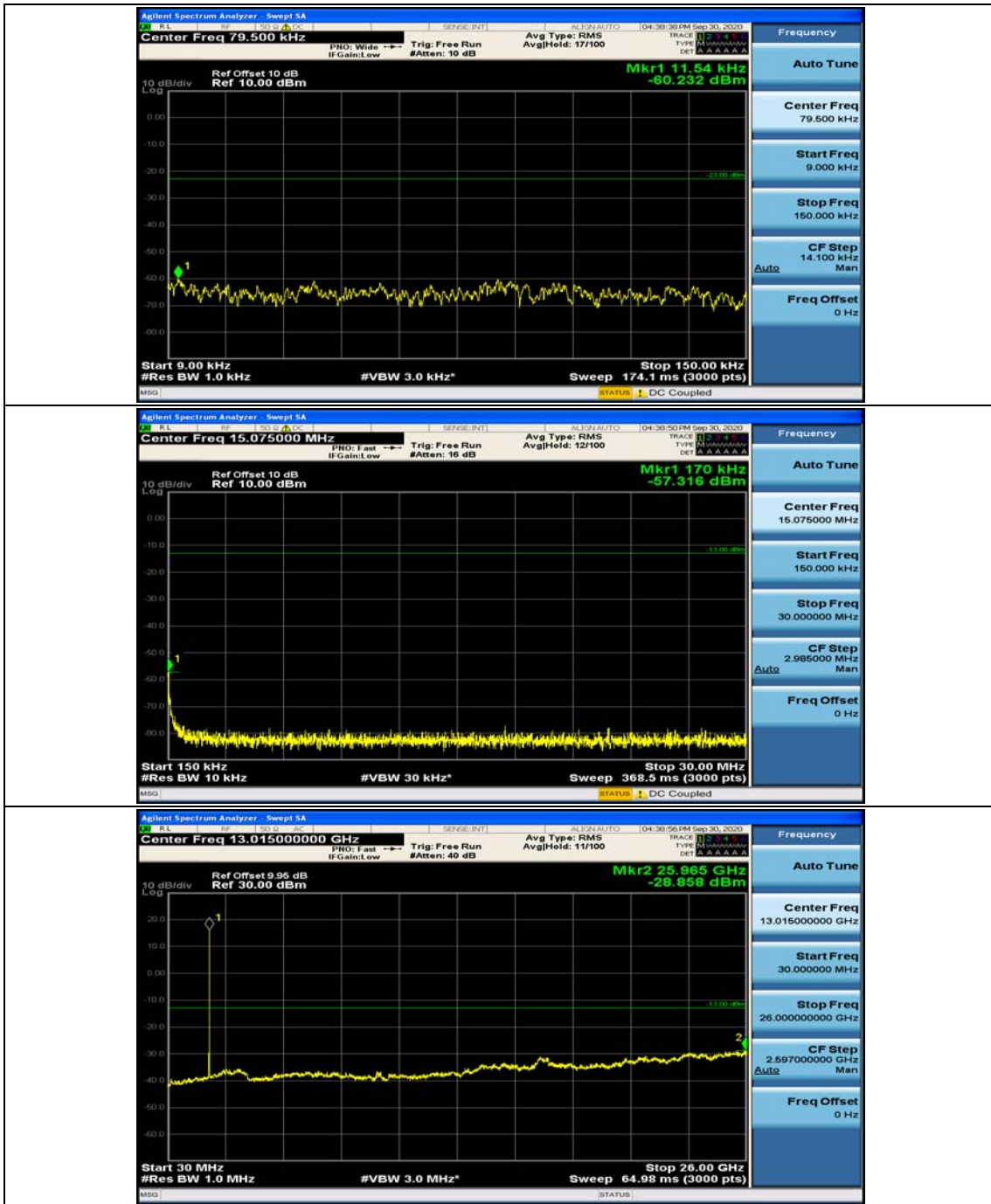


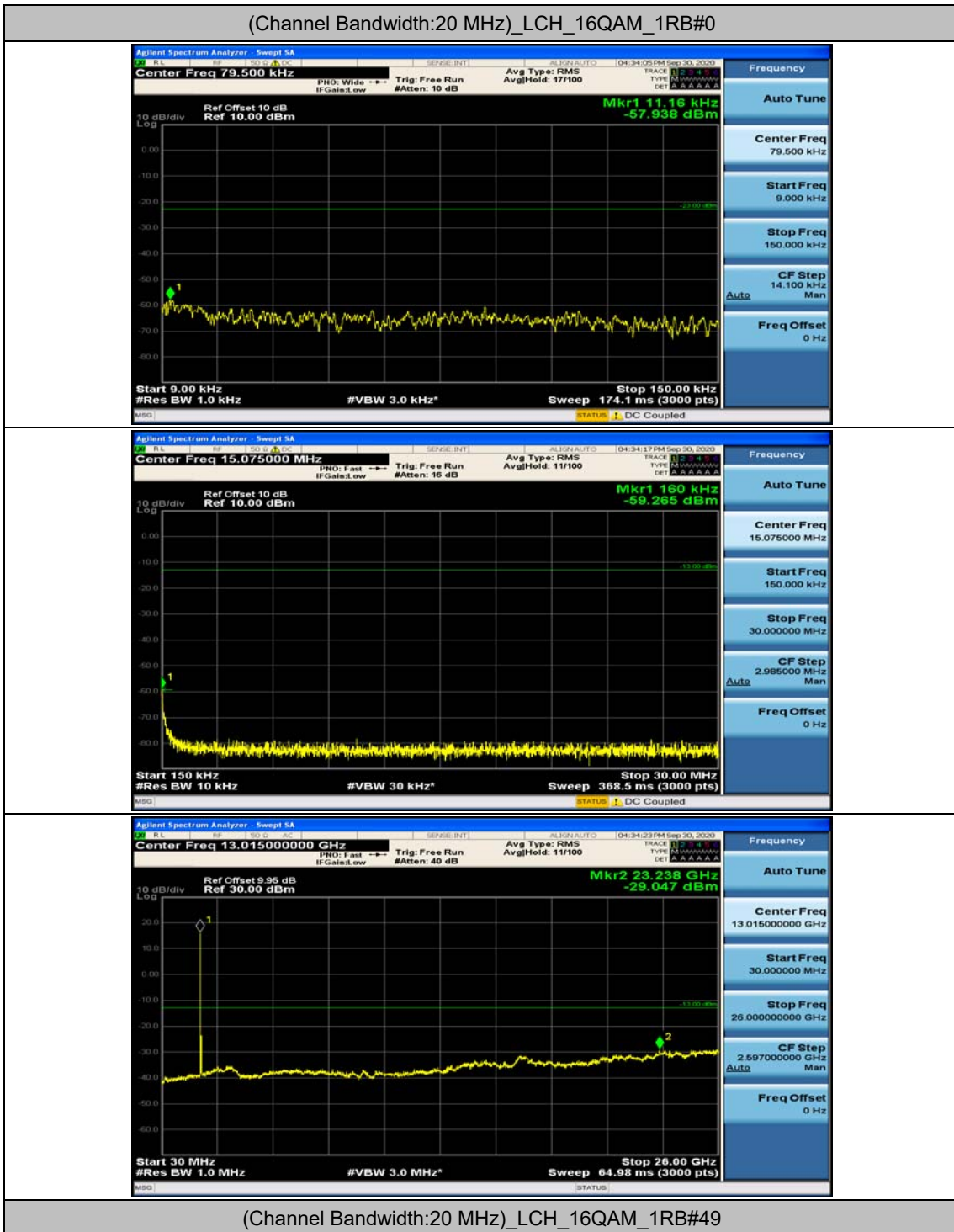


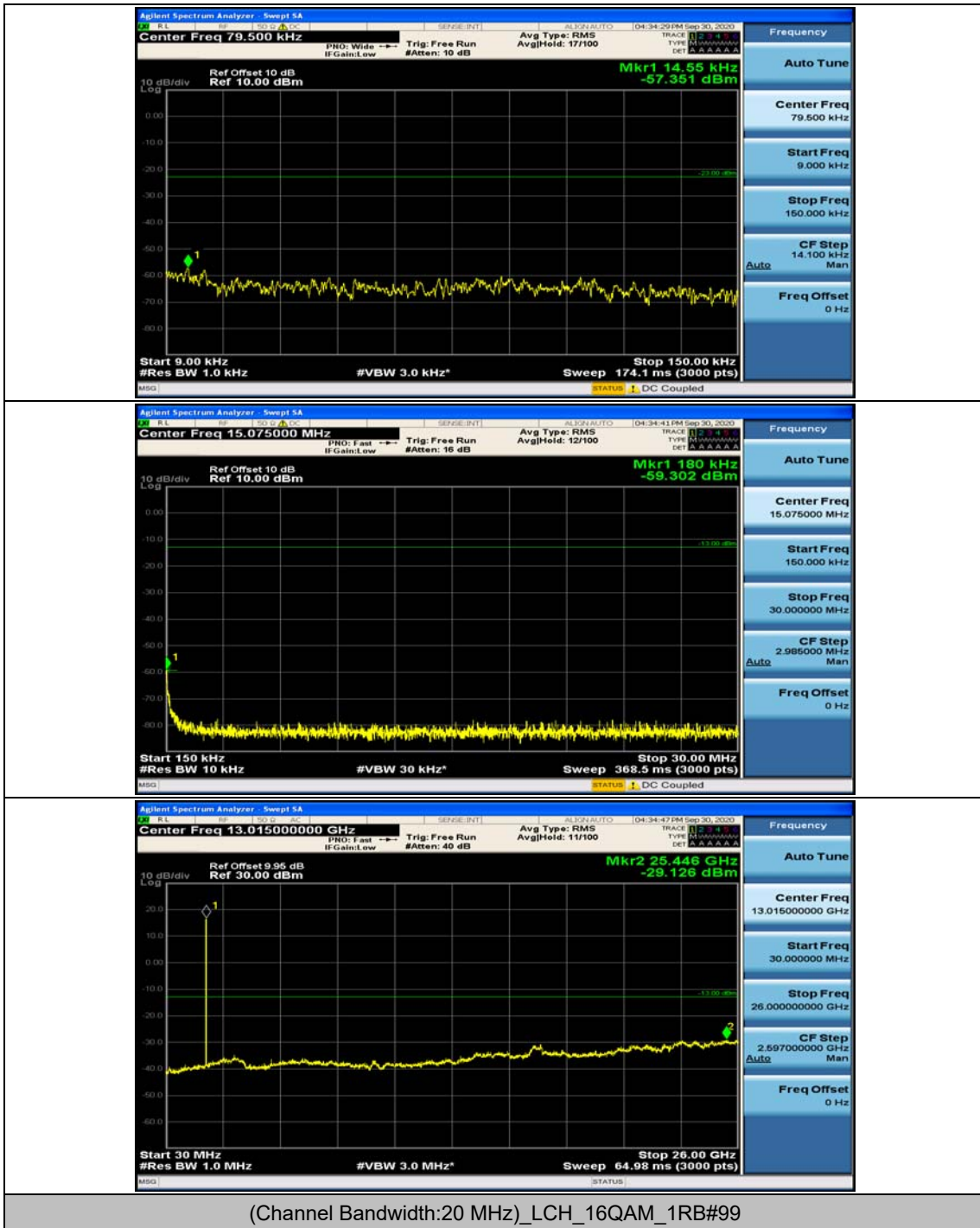


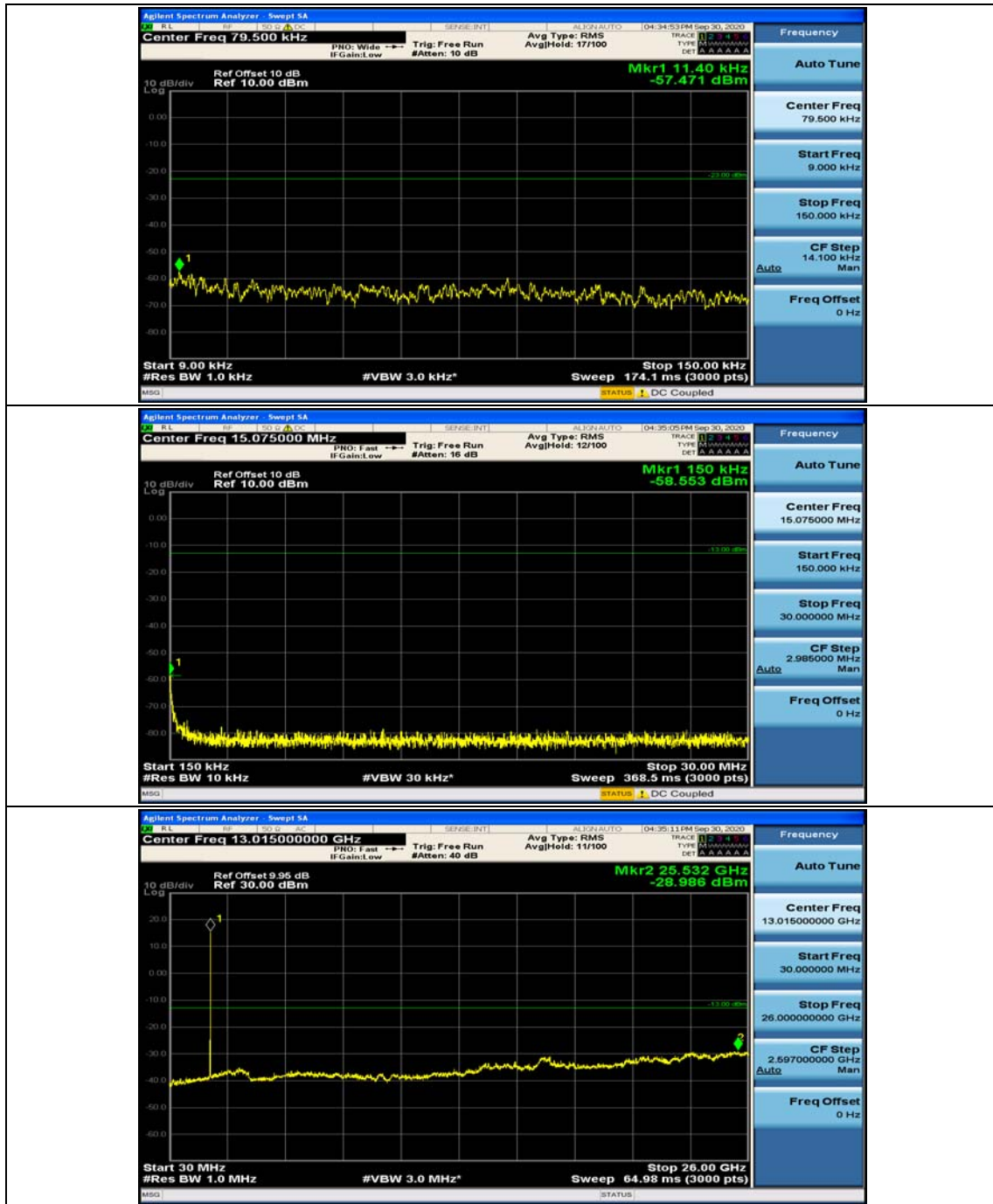




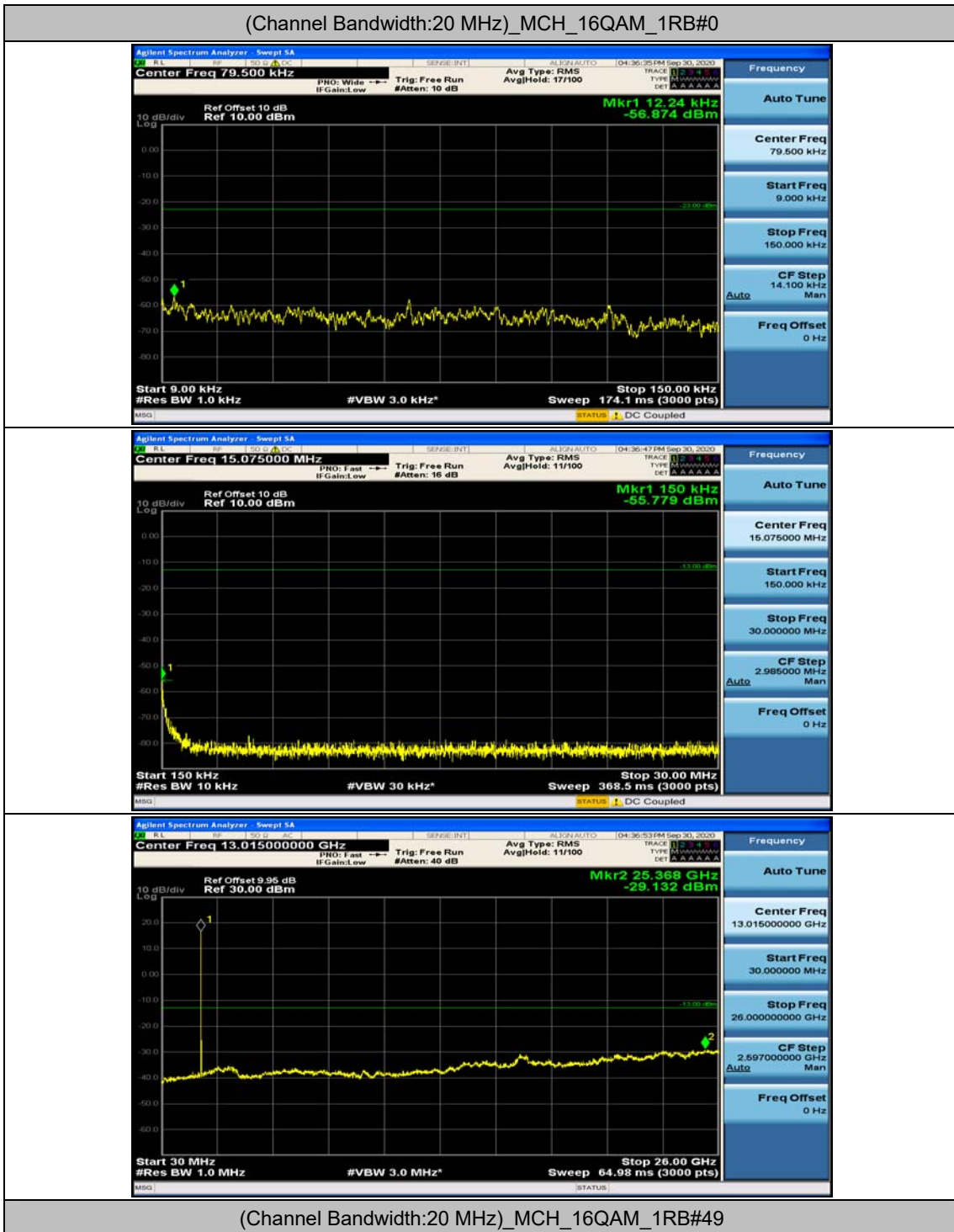


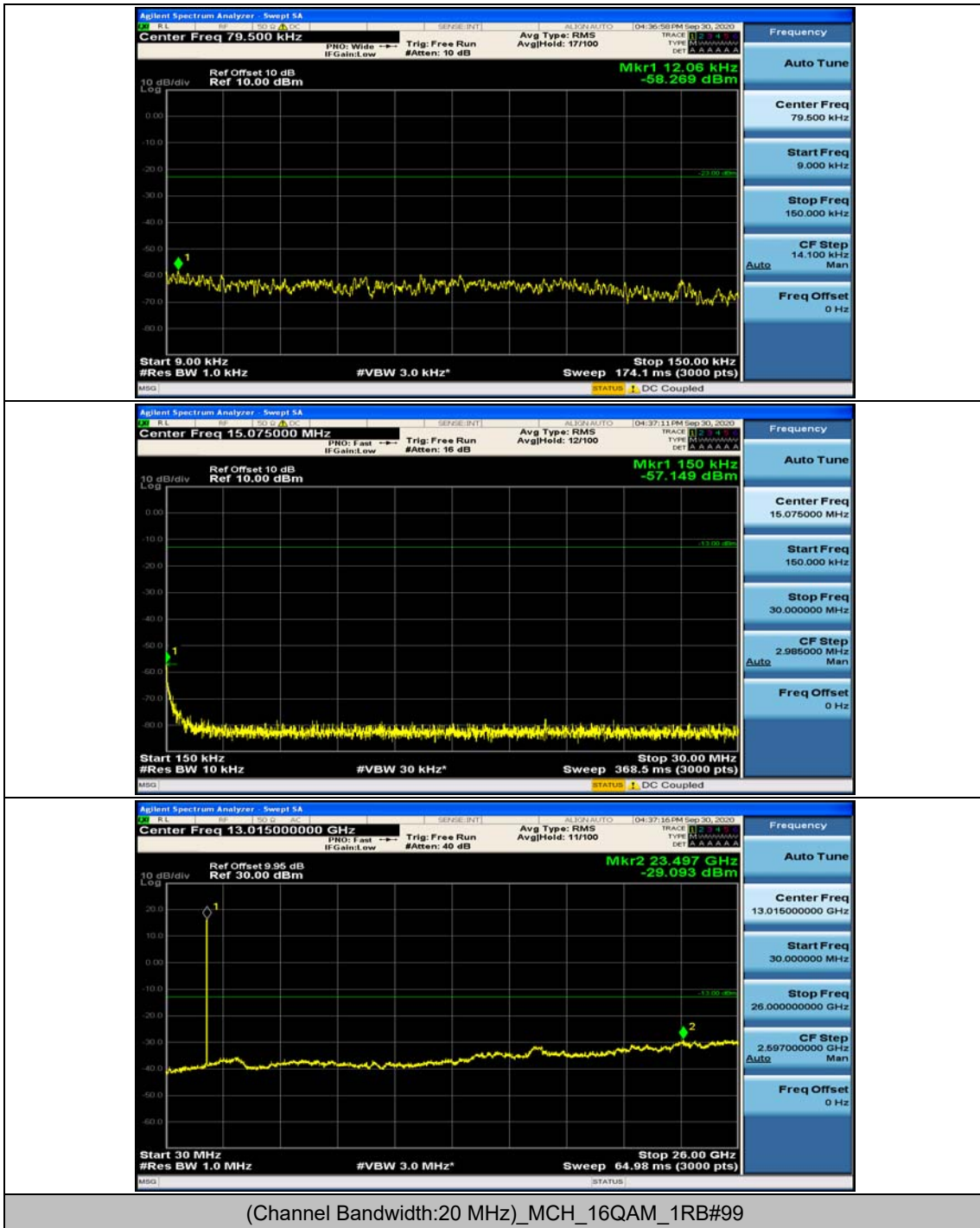


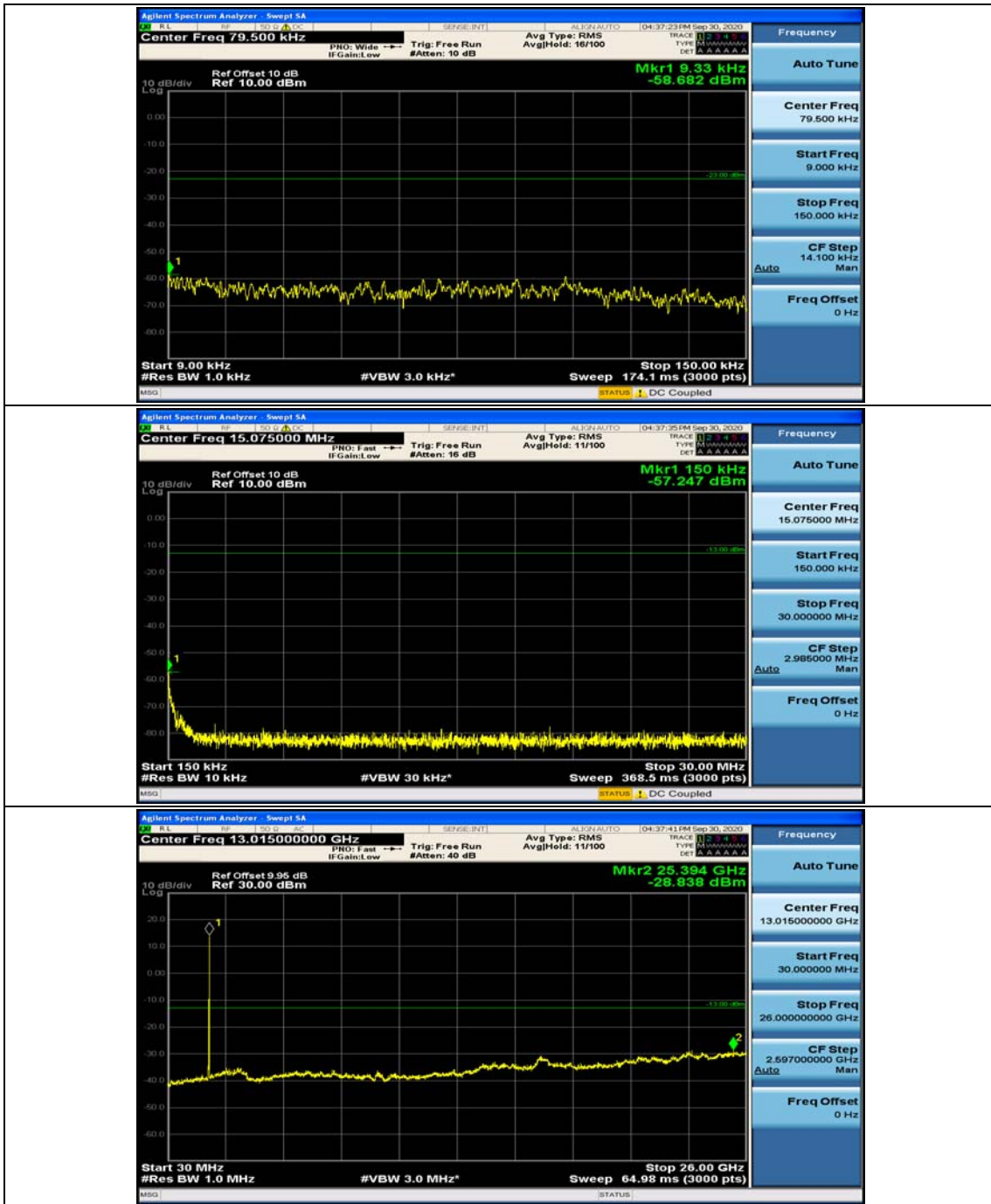


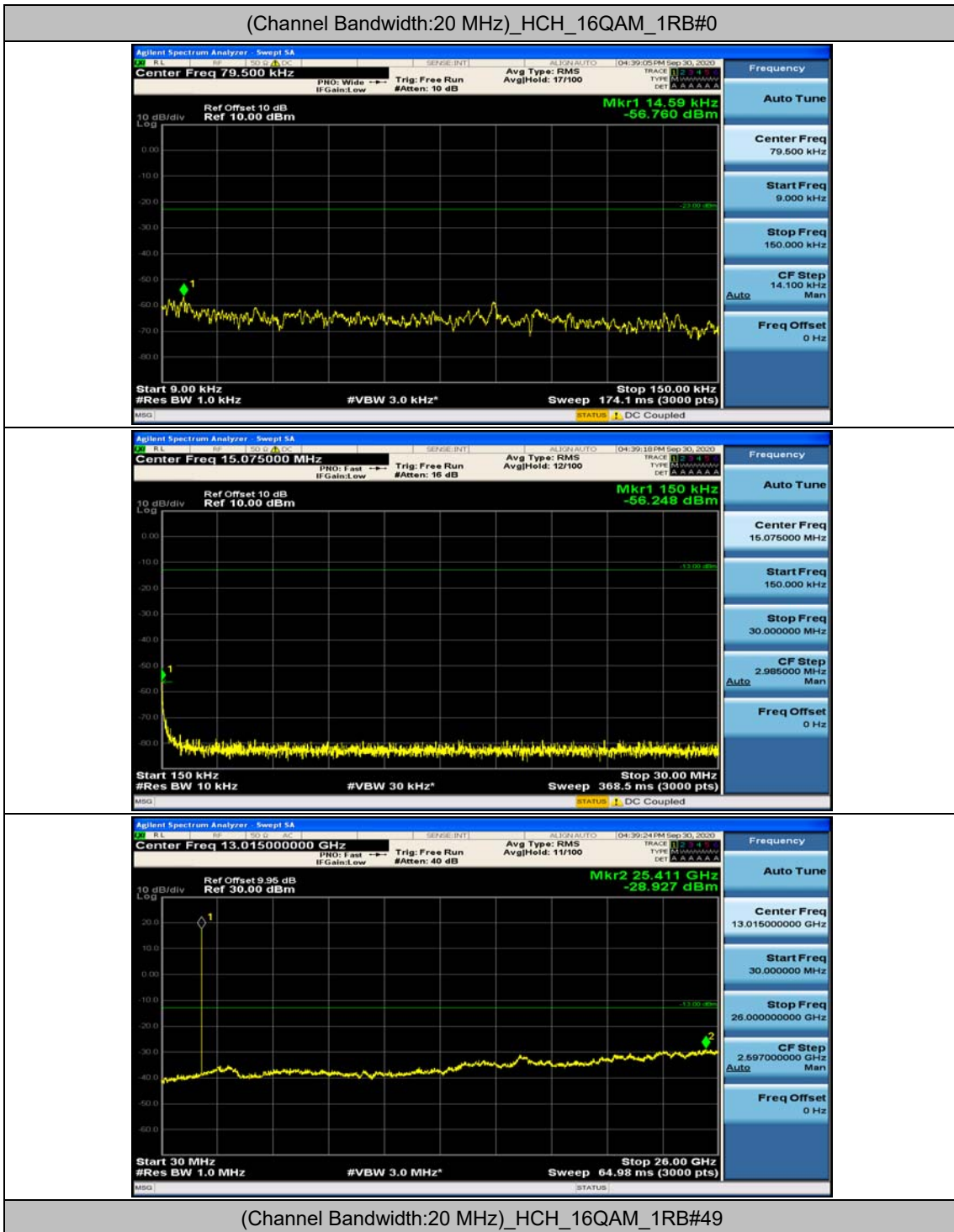


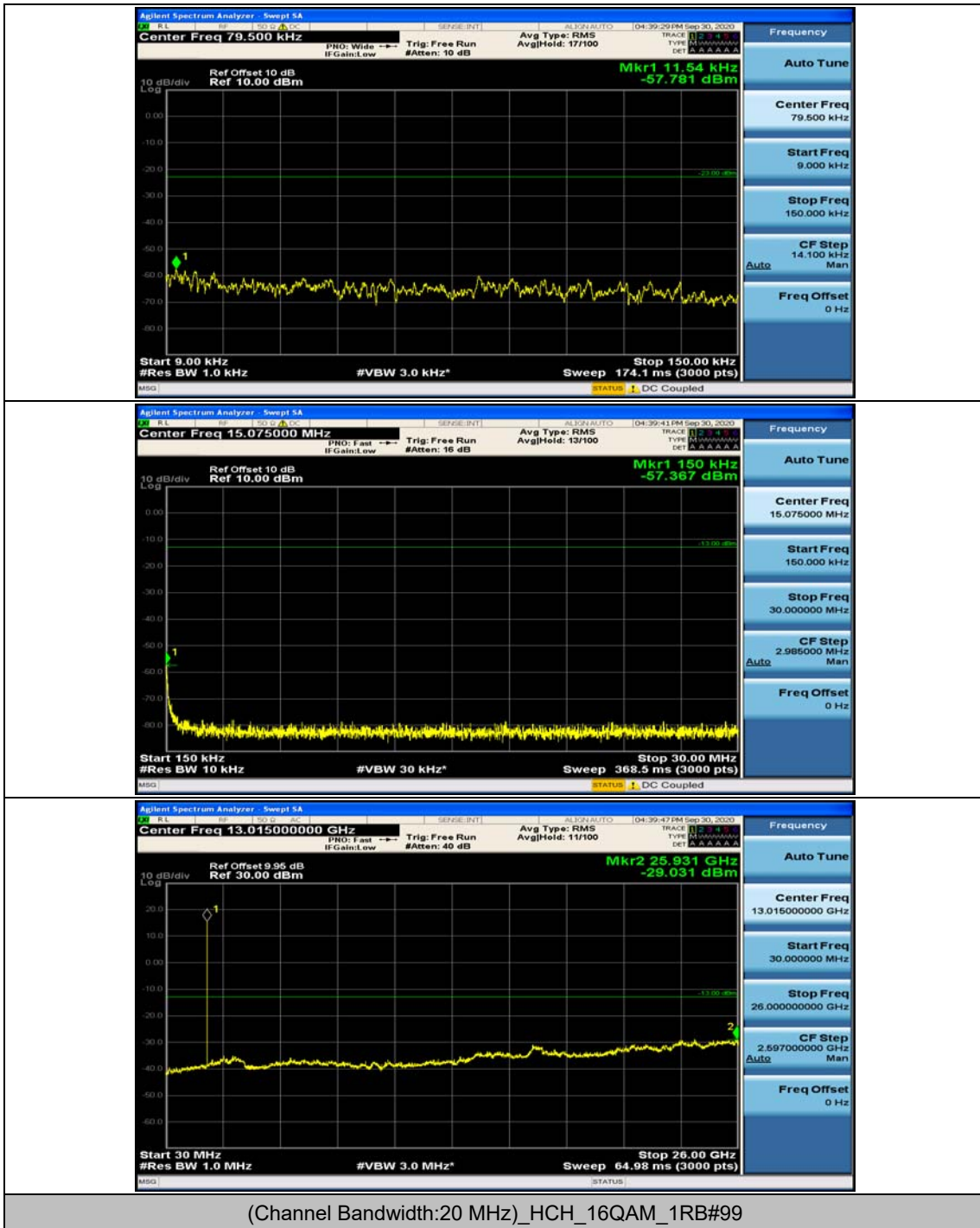


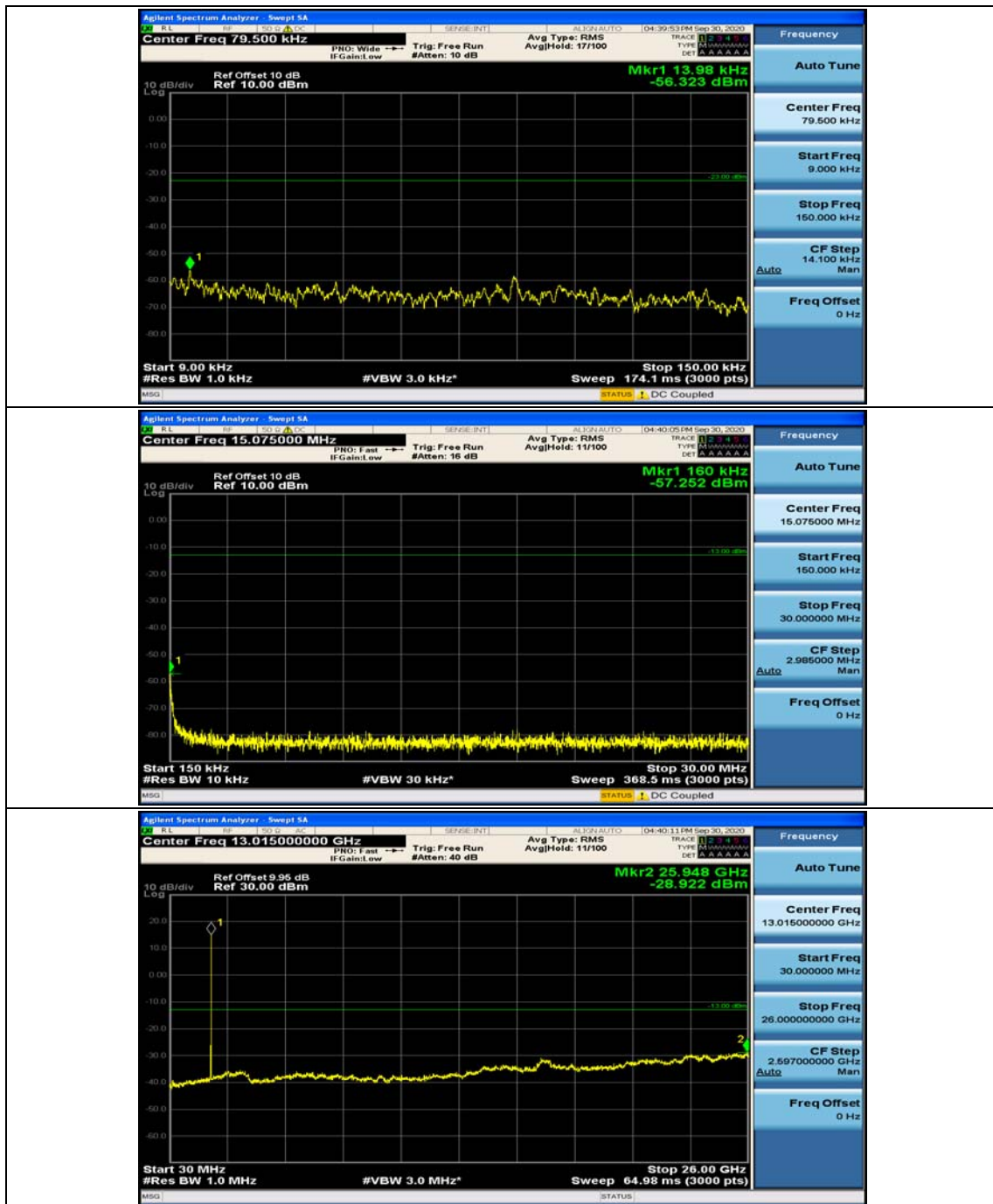












## Appendix F: Frequency Stability

### Test Result

#### Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.05	-0.000027	± 2.5	PASS
		VN	TN	4.58	0.002475	± 2.5	PASS
		VH	TN	2.17	0.001173	± 2.5	PASS
	MCH	VL	TN	-1.09	-0.000580	± 2.5	PASS
		VN	TN	0.21	0.000112	± 2.5	PASS
		VH	TN	1.29	0.000686	± 2.5	PASS
	HCH	VL	TN	-0.45	-0.000236	± 2.5	PASS
		VN	TN	3.43	0.001796	± 2.5	PASS
		VH	TN	3.37	0.001765	± 2.5	PASS
16QAM	LCH	VL	TN	2.99	0.001616	± 2.5	PASS
		VN	TN	-1.98	-0.001070	± 2.5	PASS
		VH	TN	0.84	0.000454	± 2.5	PASS
	MCH	VL	TN	-0.41	-0.000218	± 2.5	PASS
		VN	TN	2.69	0.001431	± 2.5	PASS
		VH	TN	4.48	0.002383	± 2.5	PASS
	HCH	VL	TN	-0.04	-0.000021	± 2.5	PASS
		VN	TN	-1.04	-0.000545	± 2.5	PASS
		VH	TN	3.97	0.002079	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.5	0.000270	± 2.5	PASS
		VN	-20	4.73	0.002556	± 2.5	PASS
		VN	-10	-0.97	-0.000524	± 2.5	PASS
		VN	0	1.07	0.000578	± 2.5	PASS
		VN	10	-0.47	-0.000254	± 2.5	PASS
		VN	20	4.76	0.002572	± 2.5	PASS
		VN	30	-0.23	-0.000124	± 2.5	PASS
		VN	40	0.79	0.000427	± 2.5	PASS
		VN	50	-0.62	-0.000335	± 2.5	PASS

	MCH	VN	-30	2.75	0.001463	± 2.5	PASS
		VN	-20	3.43	0.001824	± 2.5	PASS
		VN	-10	0.65	0.000346	± 2.5	PASS
		VN	0	0.21	0.000112	± 2.5	PASS
		VN	10	3.4	0.001809	± 2.5	PASS
		VN	20	2.77	0.001473	± 2.5	PASS
		VN	30	3.16	0.001681	± 2.5	PASS
		VN	40	3.7	0.001968	± 2.5	PASS
		VN	50	-1.61	-0.000856	± 2.5	PASS
	HCH	VN	-30	-0.04	-0.000021	± 2.5	PASS
		VN	-20	4.29	0.002247	± 2.5	PASS
		VN	-10	-1.39	-0.000728	± 2.5	PASS
		VN	0	1.96	0.001027	± 2.5	PASS
		VN	10	2.07	0.001084	± 2.5	PASS
		VN	20	0.63	0.000330	± 2.5	PASS
		VN	30	1.34	0.000702	± 2.5	PASS
		VN	40	-0.07	-0.000037	± 2.5	PASS
		VN	50	3.77	0.001975	± 2.5	PASS
16QAM	LCH	VN	-30	4.62	0.002496	± 2.5	PASS
		VN	-20	2.24	0.001210	± 2.5	PASS
		VN	-10	3.14	0.001697	± 2.5	PASS
		VN	0	0.94	0.000508	± 2.5	PASS
		VN	10	2.53	0.001367	± 2.5	PASS
		VN	20	1.92	0.001037	± 2.5	PASS
		VN	30	2.66	0.001437	± 2.5	PASS
		VN	40	-1.01	-0.000546	± 2.5	PASS
		VN	50	0.65	0.000351	± 2.5	PASS
	MCH	VN	-30	4.1	0.002181	± 2.5	PASS
		VN	-20	4.68	0.002489	± 2.5	PASS
		VN	-10	0.49	0.000261	± 2.5	PASS
		VN	0	1.52	0.000809	± 2.5	PASS
		VN	10	-1.5	-0.000798	± 2.5	PASS
		VN	20	-1.26	-0.000670	± 2.5	PASS
		VN	30	1.21	0.000644	± 2.5	PASS
		VN	40	2.38	0.001266	± 2.5	PASS
		VN	50	2.35	0.001250	± 2.5	PASS
	HCH	VN	-30	3.24	0.001697	± 2.5	PASS
		VN	-20	4.2	0.002200	± 2.5	PASS
		VN	-10	4.53	0.002373	± 2.5	PASS
		VN	0	1.25	0.000655	± 2.5	PASS
		VN	10	-0.19	-0.000100	± 2.5	PASS



		VN	20	0.45	0.000236	± 2.5	PASS
		VN	30	-1.8	-0.000943	± 2.5	PASS
		VN	40	1.11	0.000581	± 2.5	PASS
		VN	50	-2	-0.001048	± 2.5	PASS

**Channel Bandwidth: 3 MHz**

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.52	-0.000281	± 2.5	PASS
		VN	TN	1.85	0.000999	± 2.5	PASS
		VH	TN	0.77	0.000416	± 2.5	PASS
	MCH	VL	TN	1.26	0.000670	± 2.5	PASS
		VN	TN	0.71	0.000378	± 2.5	PASS
		VH	TN	2.8	0.001489	± 2.5	PASS
	HCH	VL	TN	0.3	0.000157	± 2.5	PASS
		VN	TN	4.57	0.002395	± 2.5	PASS
		VH	TN	1.42	0.000744	± 2.5	PASS
16QAM	LCH	VL	TN	0.76	0.000410	± 2.5	PASS
		VN	TN	-0.75	-0.000405	± 2.5	PASS
		VH	TN	-1.92	-0.001037	± 2.5	PASS
	MCH	VL	TN	-0.39	-0.000207	± 2.5	PASS
		VN	TN	2.41	0.001282	± 2.5	PASS
		VH	TN	-1.17	-0.000622	± 2.5	PASS
	HCH	VL	TN	1.69	0.000886	± 2.5	PASS
		VN	TN	-0.56	-0.000293	± 2.5	PASS
		VH	TN	0.39	0.000204	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.62	0.000335	± 2.5	PASS
		VN	-20	-0.99	-0.000535	± 2.5	PASS
		VN	-10	0.52	0.000281	± 2.5	PASS
		VN	0	3.45	0.001863	± 2.5	PASS
		VN	10	2.12	0.001145	± 2.5	PASS
		VN	20	0.75	0.000405	± 2.5	PASS
		VN	30	-1.04	-0.000562	± 2.5	PASS
		VN	40	4.26	0.002301	± 2.5	PASS
		VN	50	0.8	0.000432	± 2.5	PASS
	MCH	VN	-30	1.25	0.000665	± 2.5	PASS

		VN	-20	-0.35	-0.000186	± 2.5	PASS
		VN	-10	0.49	0.000261	± 2.5	PASS
		VN	0	3.85	0.002048	± 2.5	PASS
		VN	10	4.2	0.002234	± 2.5	PASS
		VN	20	1.59	0.000846	± 2.5	PASS
		VN	30	-0.28	-0.000149	± 2.5	PASS
		VN	40	2.95	0.001569	± 2.5	PASS
		VN	50	0.18	0.000096	± 2.5	PASS
	HCH	VN	-30	3.61	0.001892	± 2.5	PASS
		VN	-20	3.14	0.001645	± 2.5	PASS
		VN	-10	-1	-0.000524	± 2.5	PASS
		VN	0	0.47	0.000246	± 2.5	PASS
		VN	10	1.88	0.000985	± 2.5	PASS
		VN	20	-0.14	-0.000073	± 2.5	PASS
		VN	30	3.99	0.002091	± 2.5	PASS
		VN	40	4.03	0.002112	± 2.5	PASS
		VN	50	1.46	0.000765	± 2.5	PASS
		16QAM	LCH	VN	-30	1.79	0.000967
VN	-20			0.99	0.000535	± 2.5	PASS
VN	-10			2.92	0.001577	± 2.5	PASS
VN	0			-1.63	-0.000880	± 2.5	PASS
VN	10			-0.33	-0.000178	± 2.5	PASS
VN	20			1.42	0.000767	± 2.5	PASS
VN	30			-0.9	-0.000486	± 2.5	PASS
VN	40			0.95	0.000513	± 2.5	PASS
VN	50			-0.12	-0.000065	± 2.5	PASS
MCH	VN		-30	0.98	0.000521	± 2.5	PASS
	VN		-20	1.58	0.000840	± 2.5	PASS
	VN		-10	-0.38	-0.000202	± 2.5	PASS
	VN		0	2.9	0.001543	± 2.5	PASS
	VN		10	2.83	0.001505	± 2.5	PASS
	VN		20	-1.28	-0.000681	± 2.5	PASS
	VN		30	3.84	0.002043	± 2.5	PASS
	VN		40	4.64	0.002468	± 2.5	PASS
	VN		50	4.63	0.002463	± 2.5	PASS
HCH	VN		-30	1.54	0.000807	± 2.5	PASS
	VN		-20	1.64	0.000859	± 2.5	PASS
	VN		-10	4.67	0.002447	± 2.5	PASS
	VN		0	2.91	0.001525	± 2.5	PASS
	VN		10	-1.43	-0.000749	± 2.5	PASS
	VN		20	1.72	0.000901	± 2.5	PASS

		VN	30	4.92	0.002578	± 2.5	PASS
		VN	40	-1.53	-0.000802	± 2.5	PASS
		VN	50	-0.18	-0.000094	± 2.5	PASS

**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	-1.73	-0.000934	± 2.5	PASS
		VN	TN	1.25	0.000675	± 2.5	PASS
		VH	TN	-1.26	-0.000680	± 2.5	PASS
	MCH	VL	TN	-0.5	-0.000266	± 2.5	PASS
		VN	TN	-1.88	-0.001000	± 2.5	PASS
		VH	TN	3.01	0.001601	± 2.5	PASS
	HCH	VL	TN	-0.95	-0.000498	± 2.5	PASS
		VN	TN	-1.63	-0.000855	± 2.5	PASS
		VH	TN	2.69	0.001410	± 2.5	PASS
16QAM	LCH	VL	TN	3.45	0.001862	± 2.5	PASS
		VN	TN	3.79	0.002046	± 2.5	PASS
		VH	TN	0.81	0.000437	± 2.5	PASS
	MCH	VL	TN	0.83	0.000441	± 2.5	PASS
		VN	TN	0.72	0.000383	± 2.5	PASS
		VH	TN	3.77	0.002005	± 2.5	PASS
	HCH	VL	TN	-1.46	-0.000765	± 2.5	PASS
		VN	TN	-1.72	-0.000902	± 2.5	PASS
		VH	TN	0.6	0.000315	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.7	-0.000378	± 2.5	PASS
		VN	-20	-1.05	-0.000567	± 2.5	PASS
		VN	-10	1.63	0.000880	± 2.5	PASS
		VN	0	-0.81	-0.000437	± 2.5	PASS
		VN	10	2.93	0.001582	± 2.5	PASS
		VN	20	3.19	0.001722	± 2.5	PASS
		VN	30	-1.93	-0.001042	± 2.5	PASS
		VN	40	-1.26	-0.000680	± 2.5	PASS
		VN	50	3.83	0.002067	± 2.5	PASS
	MCH	VN	-30	4.14	0.002202	± 2.5	PASS
		VN	-20	2.02	0.001074	± 2.5	PASS

		VN	-10	2.97	0.001580	± 2.5	PASS		
		VN	0	-1.39	-0.000739	± 2.5	PASS		
		VN	10	4.56	0.002426	± 2.5	PASS		
		VN	20	0.06	0.000032	± 2.5	PASS		
		VN	30	-1.52	-0.000809	± 2.5	PASS		
		VN	40	-1.91	-0.001016	± 2.5	PASS		
		VN	50	1.91	0.001016	± 2.5	PASS		
	HCH	VN	-30	-0.82	-0.000430	± 2.5	PASS		
		VN	-20	1.22	0.000640	± 2.5	PASS		
		VN	-10	2.41	0.001263	± 2.5	PASS		
		VN	0	0.25	0.000131	± 2.5	PASS		
		VN	10	1.48	0.000776	± 2.5	PASS		
		VN	20	2.74	0.001436	± 2.5	PASS		
		VN	30	0.38	0.000199	± 2.5	PASS		
		VN	40	3.99	0.002092	± 2.5	PASS		
		VN	50	2.46	0.001290	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.97	-0.001063	± 2.5	PASS
				VN	-20	-1.79	-0.000966	± 2.5	PASS
VN	-10			-0.11	-0.000059	± 2.5	PASS		
VN	0			-1.63	-0.000880	± 2.5	PASS		
VN	10			-1.19	-0.000642	± 2.5	PASS		
VN	20			-1.68	-0.000907	± 2.5	PASS		
VN	30			4.96	0.002677	± 2.5	PASS		
VN	40			2.35	0.001269	± 2.5	PASS		
VN	50			-0.08	-0.000043	± 2.5	PASS		
MCH	VN		-30	-1.71	-0.000910	± 2.5	PASS		
	VN		-20	3.3	0.001755	± 2.5	PASS		
	VN		-10	0.48	0.000255	± 2.5	PASS		
	VN		0	0.1	0.000053	± 2.5	PASS		
	VN		10	2.87	0.001527	± 2.5	PASS		
	VN		20	1.24	0.000660	± 2.5	PASS		
	VN		30	-1.98	-0.001053	± 2.5	PASS		
	VN		40	3.55	0.001888	± 2.5	PASS		
	VN		50	4.63	0.002463	± 2.5	PASS		
HCH	VN		-30	-0.31	-0.000163	± 2.5	PASS		
	VN		-20	-1.82	-0.000954	± 2.5	PASS		
	VN		-10	1.57	0.000823	± 2.5	PASS		
	VN		0	2.88	0.001510	± 2.5	PASS		
	VN		10	4.55	0.002385	± 2.5	PASS		
	VN		20	3.05	0.001599	± 2.5	PASS		
	VN		30	1.83	0.000959	± 2.5	PASS		

		VN	40	-1.22	-0.000640	± 2.5	PASS
		VN	50	-1.51	-0.000792	± 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	3.46	0.001865	± 2.5	PASS
		VN	TN	4.34	0.002340	± 2.5	PASS
		VH	TN	3.34	0.001801	± 2.5	PASS
	MCH	VL	TN	4.41	0.002346	± 2.5	PASS
		VN	TN	-1.37	-0.000729	± 2.5	PASS
		VH	TN	0.03	0.000016	± 2.5	PASS
	HCH	VL	TN	-0.39	-0.000205	± 2.5	PASS
		VN	TN	3.78	0.001984	± 2.5	PASS
		VH	TN	2.69	0.001412	± 2.5	PASS
16QAM	LCH	VL	TN	0.28	0.000151	± 2.5	PASS
		VN	TN	2.18	0.001175	± 2.5	PASS
		VH	TN	2.75	0.001482	± 2.5	PASS
	MCH	VL	TN	3.9	0.002074	± 2.5	PASS
		VN	TN	0.65	0.000346	± 2.5	PASS
		VH	TN	4.64	0.002468	± 2.5	PASS
	HCH	VL	TN	0.94	0.000493	± 2.5	PASS
		VN	TN	1.99	0.001045	± 2.5	PASS
		VH	TN	1.58	0.000829	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.13	0.001687	± 2.5	PASS
		VN	-20	0.48	0.000259	± 2.5	PASS
		VN	-10	1.57	0.000846	± 2.5	PASS
		VN	0	3.14	0.001693	± 2.5	PASS
		VN	10	-0.45	-0.000243	± 2.5	PASS
		VN	20	0.08	0.000043	± 2.5	PASS
		VN	30	3.87	0.002086	± 2.5	PASS
		VN	40	2.17	0.001170	± 2.5	PASS
		VN	50	4.15	0.002237	± 2.5	PASS
	MCH	VN	-30	4.08	0.002170	± 2.5	PASS
		VN	-20	-0.87	-0.000463	± 2.5	PASS
		VN	-10	2.05	0.001090	± 2.5	PASS

		VN	0	-1.35	-0.000718	± 2.5	PASS		
		VN	10	2.91	0.001548	± 2.5	PASS		
		VN	20	-0.98	-0.000521	± 2.5	PASS		
		VN	30	4.66	0.002479	± 2.5	PASS		
		VN	40	2.41	0.001282	± 2.5	PASS		
		VN	50	2.72	0.001447	± 2.5	PASS		
	HCH	VN	-30	0.31	0.000163	± 2.5	PASS		
		VN	-20	-0.41	-0.000215	± 2.5	PASS		
		VN	-10	1.6	0.000840	± 2.5	PASS		
		VN	0	4.95	0.002598	± 2.5	PASS		
		VN	10	3.74	0.001963	± 2.5	PASS		
		VN	20	3.17	0.001664	± 2.5	PASS		
		VN	30	1.4	0.000735	± 2.5	PASS		
		VN	40	-0.25	-0.000131	± 2.5	PASS		
		VN	50	2.85	0.001496	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.09	0.000588	± 2.5	PASS
				VN	-20	0.11	0.000059	± 2.5	PASS
				VN	-10	-0.33	-0.000178	± 2.5	PASS
				VN	0	1.24	0.000668	± 2.5	PASS
VN	10			0	0.000000	± 2.5	PASS		
VN	20			3.95	0.002129	± 2.5	PASS		
VN	30			2.78	0.001499	± 2.5	PASS		
VN	40			1.74	0.000938	± 2.5	PASS		
VN	50			4.58	0.002469	± 2.5	PASS		
MCH	VN		-30	-1.02	-0.000543	± 2.5	PASS		
	VN		-20	1.2	0.000638	± 2.5	PASS		
	VN		-10	-1.05	-0.000559	± 2.5	PASS		
	VN		0	3.32	0.001766	± 2.5	PASS		
	VN		10	0.63	0.000335	± 2.5	PASS		
	VN		20	-1.41	-0.000750	± 2.5	PASS		
	VN		30	3.96	0.002106	± 2.5	PASS		
	VN		40	0.03	0.000016	± 2.5	PASS		
	VN		50	3.76	0.002000	± 2.5	PASS		
HCH	VN		-30	0.09	0.000047	± 2.5	PASS		
	VN	-20	3.65	0.001916	± 2.5	PASS			
	VN	-10	3.74	0.001963	± 2.5	PASS			
	VN	0	2.45	0.001286	± 2.5	PASS			
	VN	10	0.02	0.000010	± 2.5	PASS			
	VN	20	2.24	0.001176	± 2.5	PASS			
	VN	30	1.95	0.001024	± 2.5	PASS			
	VN	40	-0.25	-0.000131	± 2.5	PASS			

		VN	50	4.52	0.002373	± 2.5	PASS
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**Channel Bandwidth: 15 MHz**

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.46	-0.000786	± 2.5	PASS
		VN	TN	4.53	0.002439	± 2.5	PASS
		VH	TN	2.4	0.001292	± 2.5	PASS
	MCH	VL	TN	4.51	0.002399	± 2.5	PASS
		VN	TN	0.35	0.000186	± 2.5	PASS
		VH	TN	4.22	0.002245	± 2.5	PASS
	HCH	VL	TN	4.57	0.002402	± 2.5	PASS
		VN	TN	-1.57	-0.000825	± 2.5	PASS
		VH	TN	3.09	0.001624	± 2.5	PASS
16QAM	LCH	VL	TN	-1.37	-0.000738	± 2.5	PASS
		VN	TN	3.98	0.002143	± 2.5	PASS
		VH	TN	-1.65	-0.000888	± 2.5	PASS
	MCH	VL	TN	-1.41	-0.000750	± 2.5	PASS
		VN	TN	1.07	0.000569	± 2.5	PASS
		VH	TN	2.96	0.001574	± 2.5	PASS
	HCH	VL	TN	0.17	0.000089	± 2.5	PASS
		VN	TN	4.52	0.002376	± 2.5	PASS
		VH	TN	-0.88	-0.000463	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.63	0.000339	± 2.5	PASS
		VN	-20	3.05	0.001642	± 2.5	PASS
		VN	-10	3.79	0.002040	± 2.5	PASS
		VN	0	-1.34	-0.000721	± 2.5	PASS
		VN	10	2.16	0.001163	± 2.5	PASS
		VN	20	-0.97	-0.000522	± 2.5	PASS
		VN	30	-1.75	-0.000942	± 2.5	PASS
		VN	40	3.83	0.002062	± 2.5	PASS
		VN	50	-1.76	-0.000948	± 2.5	PASS
	MCH	VN	-30	2.57	0.001367	± 2.5	PASS
		VN	-20	-1.34	-0.000713	± 2.5	PASS
		VN	-10	3.83	0.002037	± 2.5	PASS
		VN	0	-1.72	-0.000915	± 2.5	PASS

		VN	10	1.99	0.001059	± 2.5	PASS
		VN	20	-0.89	-0.000473	± 2.5	PASS
		VN	30	1.84	0.000979	± 2.5	PASS
		VN	40	3.54	0.001883	± 2.5	PASS
		VN	50	-0.06	-0.000032	± 2.5	PASS
	HCH	VN	-30	2.23	0.001172	± 2.5	PASS
		VN	-20	-1.3	-0.000683	± 2.5	PASS
		VN	-10	-1.63	-0.000857	± 2.5	PASS
		VN	0	3.48	0.001829	± 2.5	PASS
		VN	10	0.11	0.000058	± 2.5	PASS
		VN	20	1.45	0.000762	± 2.5	PASS
		VN	30	1.21	0.000636	± 2.5	PASS
		VN	40	1.53	0.000804	± 2.5	PASS
		VN	50	0.07	0.000037	± 2.5	PASS
		16QAM	LCH	VN	-30	2.45	0.001319
VN	-20			-0.79	-0.000425	± 2.5	PASS
VN	-10			1.31	0.000705	± 2.5	PASS
VN	0			-1.74	-0.000937	± 2.5	PASS
VN	10			2.68	0.001443	± 2.5	PASS
VN	20			3.45	0.001857	± 2.5	PASS
VN	30			1.82	0.000980	± 2.5	PASS
VN	40			-1.9	-0.001023	± 2.5	PASS
VN	50			3.54	0.001906	± 2.5	PASS
MCH	VN		-30	3.47	0.001846	± 2.5	PASS
	VN		-20	1.24	0.000660	± 2.5	PASS
	VN		-10	1.13	0.000601	± 2.5	PASS
	VN		0	1.46	0.000777	± 2.5	PASS
	VN		10	2.88	0.001532	± 2.5	PASS
	VN		20	4.36	0.002319	± 2.5	PASS
	VN		30	-0.53	-0.000282	± 2.5	PASS
	VN		40	0.21	0.000112	± 2.5	PASS
	VN		50	-1.94	-0.001032	± 2.5	PASS
HCH	VN		-30	4.93	0.002591	± 2.5	PASS
	VN		-20	1.29	0.000678	± 2.5	PASS
	VN		-10	1.15	0.000604	± 2.5	PASS
	VN		0	-0.32	-0.000168	± 2.5	PASS
	VN		10	3.86	0.002029	± 2.5	PASS
	VN		20	3.88	0.002039	± 2.5	PASS
	VN		30	1.57	0.000825	± 2.5	PASS
	VN		40	3.85	0.002024	± 2.5	PASS
	VN		50	0.81	0.000426	± 2.5	PASS



**Channel Bandwidth: 20 MHz**

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.79	0.001500	± 2.5	PASS
		VN	TN	1.86	0.001000	± 2.5	PASS
		VH	TN	-1.26	-0.000677	± 2.5	PASS
	MCH	VL	TN	0.39	0.000207	± 2.5	PASS
		VN	TN	2.14	0.001138	± 2.5	PASS
		VH	TN	0.2	0.000106	± 2.5	PASS
	HCH	VL	TN	-0.2	-0.000105	± 2.5	PASS
		VN	TN	-0.61	-0.000321	± 2.5	PASS
		VH	TN	-0.29	-0.000153	± 2.5	PASS
16QAM	LCH	VL	TN	-0.67	-0.000360	± 2.5	PASS
		VN	TN	3.16	0.001699	± 2.5	PASS
		VH	TN	4.02	0.002161	± 2.5	PASS
	MCH	VL	TN	3.06	0.001628	± 2.5	PASS
		VN	TN	3.51	0.001867	± 2.5	PASS
		VH	TN	0.24	0.000128	± 2.5	PASS
	HCH	VL	TN	0.79	0.000416	± 2.5	PASS
		VN	TN	2.61	0.001374	± 2.5	PASS
		VH	TN	0.3	0.000158	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.89	0.002091	± 2.5	PASS
		VN	-20	-0.01	-0.000005	± 2.5	PASS
		VN	-10	2.83	0.001522	± 2.5	PASS
		VN	0	1.84	0.000989	± 2.5	PASS
		VN	10	2.91	0.001565	± 2.5	PASS
		VN	20	-1.82	-0.000978	± 2.5	PASS
		VN	30	0.02	0.000011	± 2.5	PASS
		VN	40	0.68	0.000366	± 2.5	PASS
		VN	50	-0.25	-0.000134	± 2.5	PASS
	MCH	VN	-30	-1.95	-0.001037	± 2.5	PASS
		VN	-20	1.03	0.000548	± 2.5	PASS
		VN	-10	0.83	0.000441	± 2.5	PASS
		VN	0	3.16	0.001681	± 2.5	PASS
		VN	10	2.86	0.001521	± 2.5	PASS

		VN	20	2.96	0.001574	± 2.5	PASS
		VN	30	-0.57	-0.000303	± 2.5	PASS
		VN	40	0.7	0.000372	± 2.5	PASS
		VN	50	-0.49	-0.000261	± 2.5	PASS
	HCH	VN	-30	4.15	0.002184	± 2.5	PASS
		VN	-20	1.4	0.000737	± 2.5	PASS
		VN	-10	-1.77	-0.000932	± 2.5	PASS
		VN	0	1.43	0.000753	± 2.5	PASS
		VN	10	1.1	0.000579	± 2.5	PASS
		VN	20	4.31	0.002268	± 2.5	PASS
		VN	30	1.09	0.000574	± 2.5	PASS
		VN	40	-0.69	-0.000363	± 2.5	PASS
		VN	50	-1.53	-0.000805	± 2.5	PASS
16QAM	LCH	VN	-30	2.43	0.001306	± 2.5	PASS
		VN	-20	0.03	0.000016	± 2.5	PASS
		VN	-10	0.92	0.000495	± 2.5	PASS
		VN	0	0.99	0.000532	± 2.5	PASS
		VN	10	-0.64	-0.000344	± 2.5	PASS
		VN	20	0.17	0.000091	± 2.5	PASS
		VN	30	-1.92	-0.001032	± 2.5	PASS
		VN	40	-0.84	-0.000452	± 2.5	PASS
		VN	50	0.17	0.000091	± 2.5	PASS
	MCH	VN	-30	-0.2	-0.000106	± 2.5	PASS
		VN	-20	1.62	0.000862	± 2.5	PASS
		VN	-10	0.5	0.000266	± 2.5	PASS
		VN	0	2.89	0.001537	± 2.5	PASS
		VN	10	4.85	0.002580	± 2.5	PASS
		VN	20	3.92	0.002085	± 2.5	PASS
		VN	30	0.8	0.000426	± 2.5	PASS
		VN	40	2.74	0.001457	± 2.5	PASS
		VN	50	2.35	0.001250	± 2.5	PASS
	HCH	VN	-30	4.33	0.002279	± 2.5	PASS
		VN	-20	-1.69	-0.000889	± 2.5	PASS
		VN	-10	3.05	0.001605	± 2.5	PASS
		VN	0	-1.75	-0.000921	± 2.5	PASS
		VN	10	3.36	0.001768	± 2.5	PASS
		VN	20	-0.53	-0.000279	± 2.5	PASS
		VN	30	-0.22	-0.000116	± 2.5	PASS
		VN	40	1.84	0.000968	± 2.5	PASS
		VN	50	-0.37	-0.000195	± 2.5	PASS