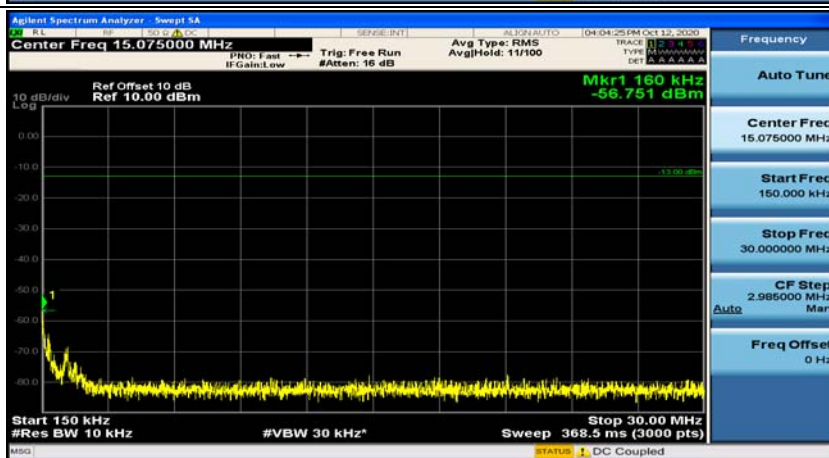
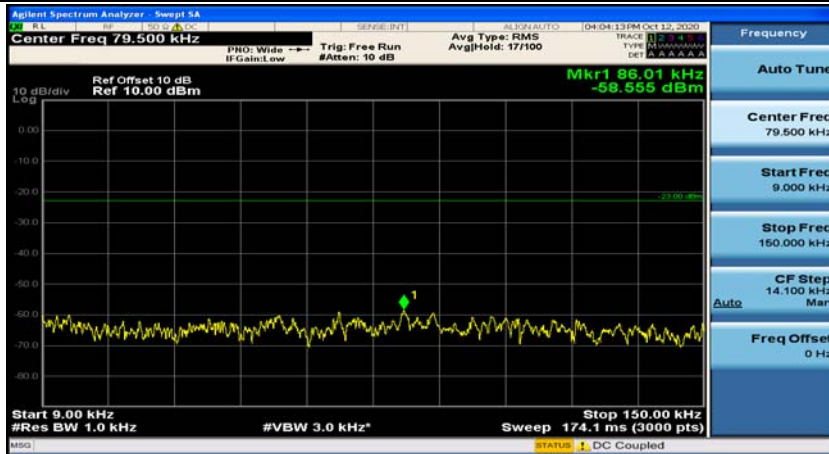
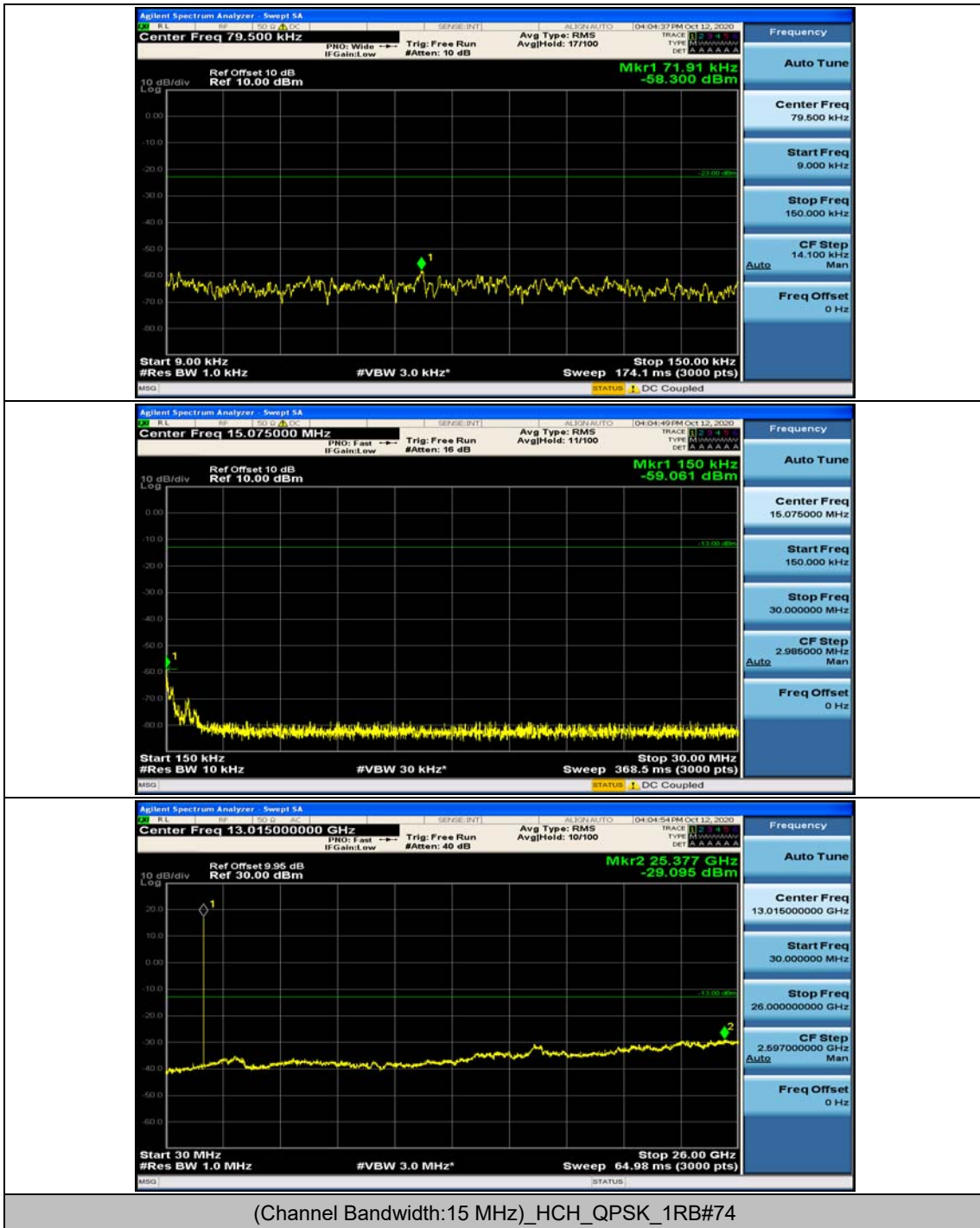
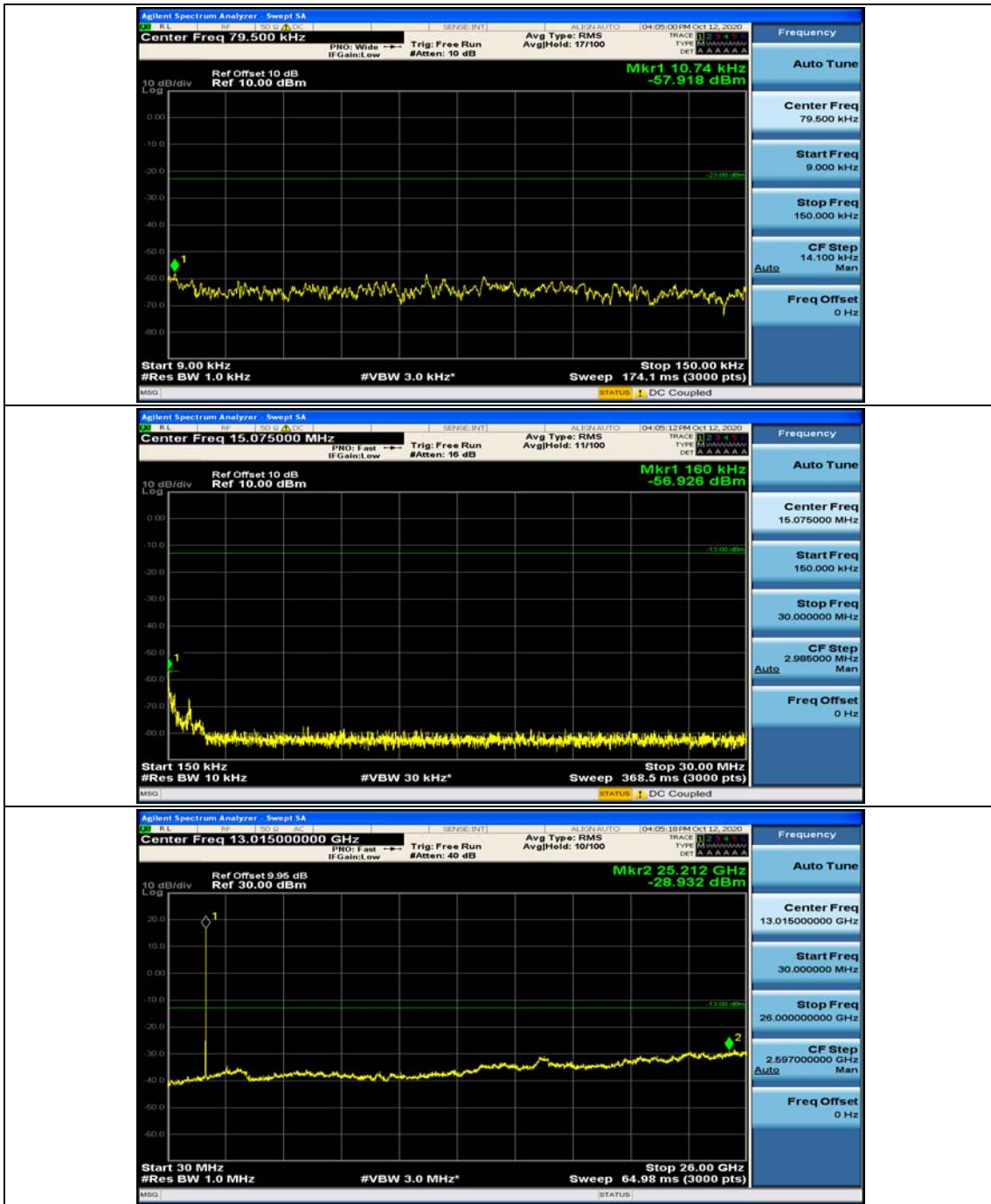


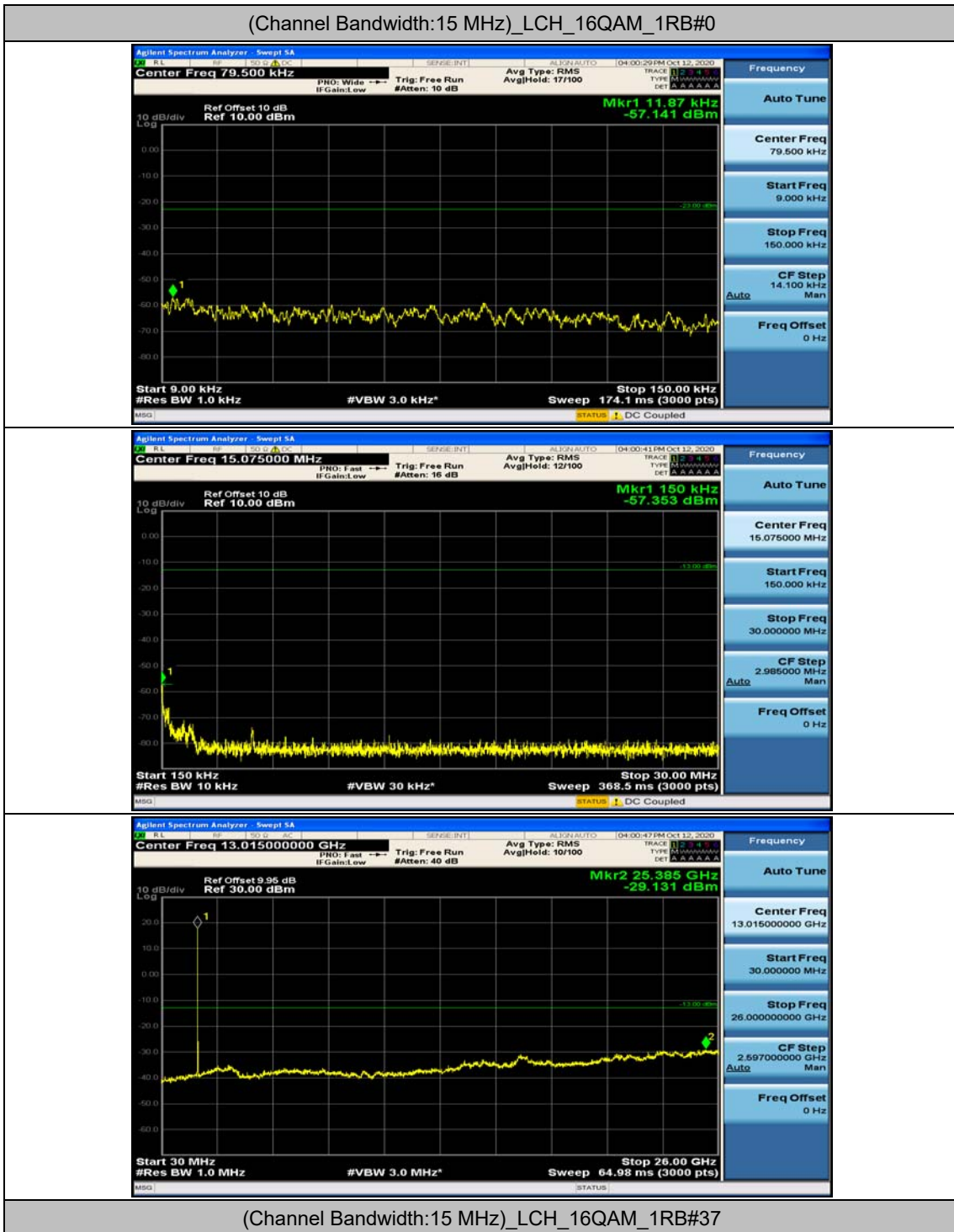
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

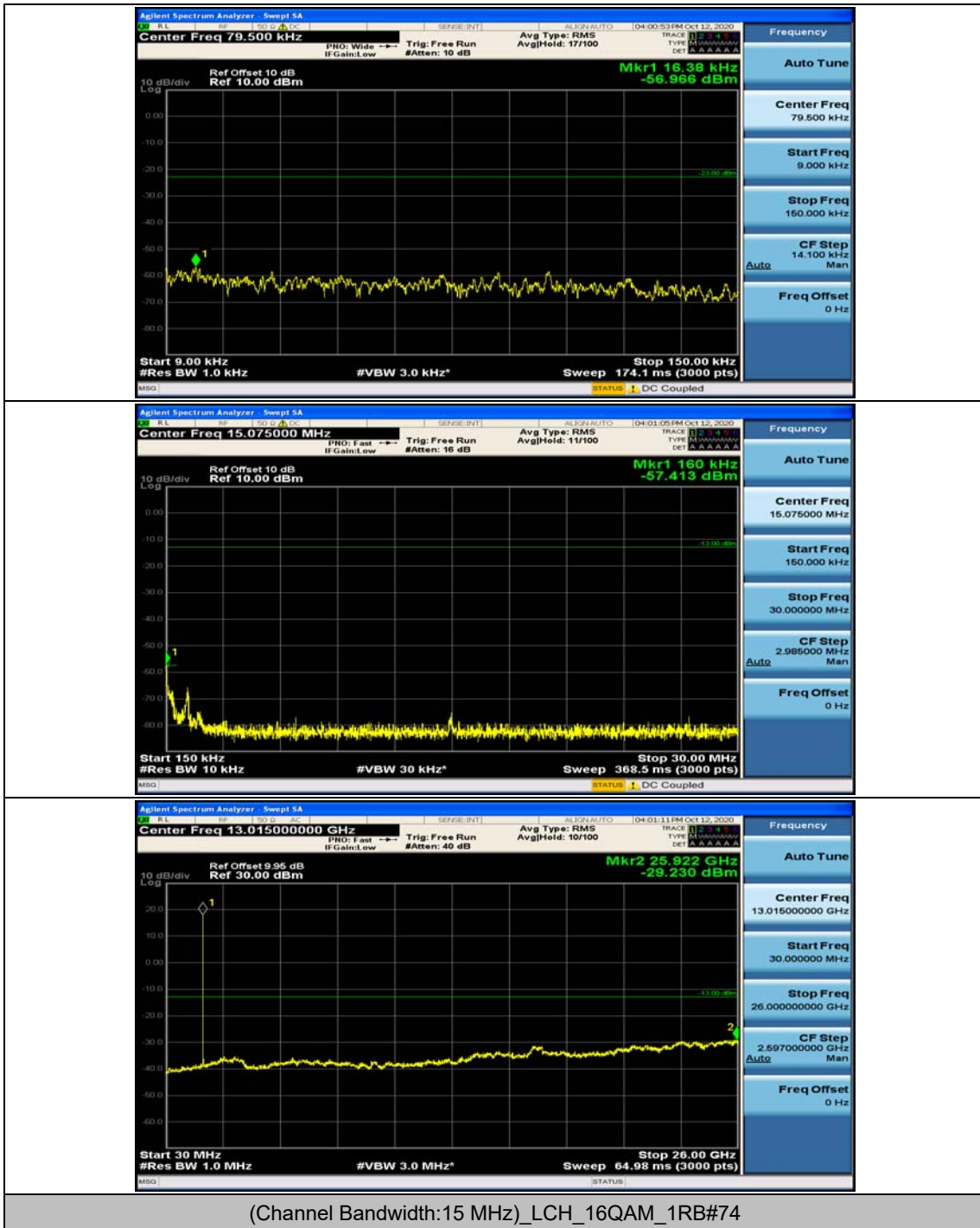


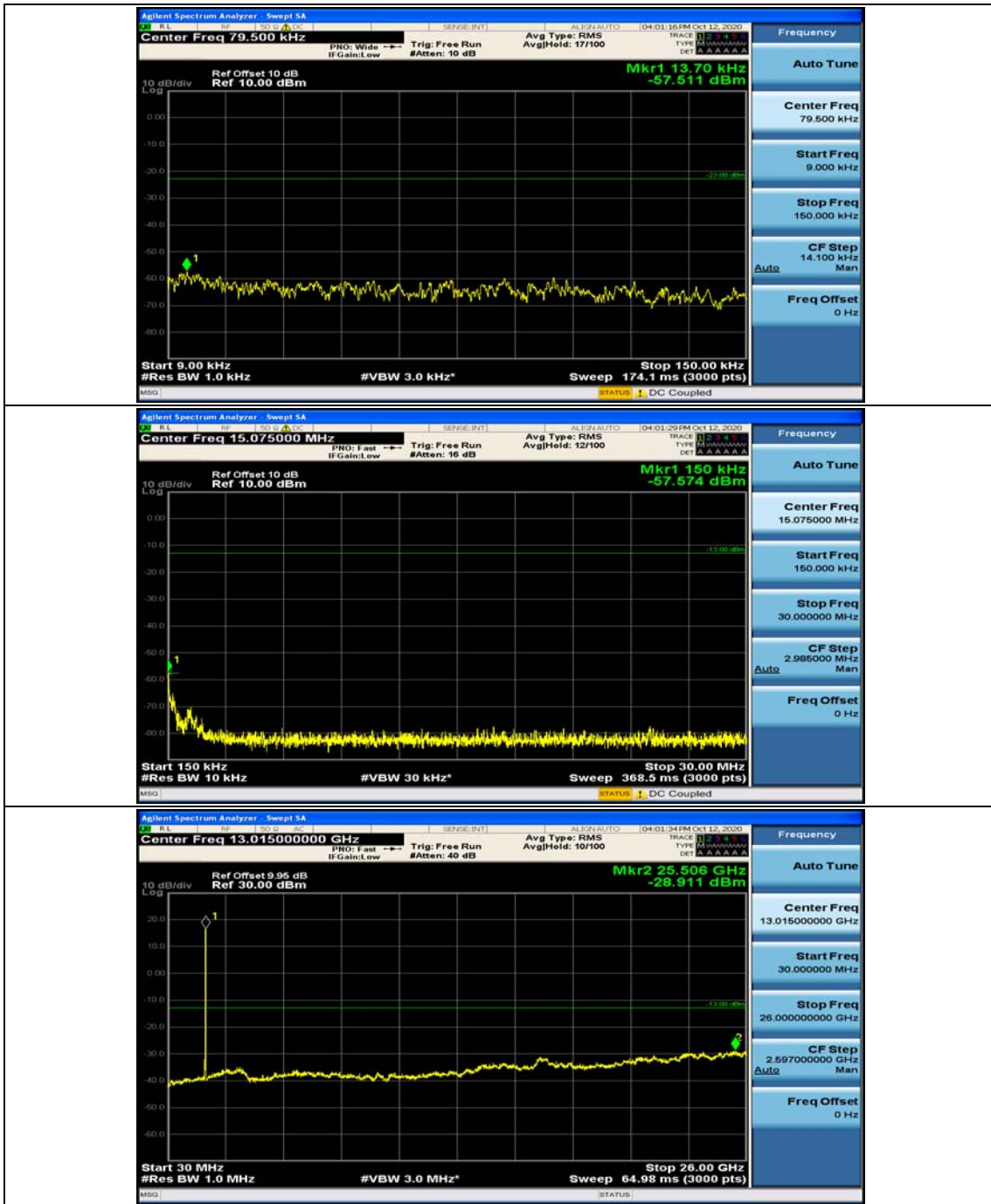
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



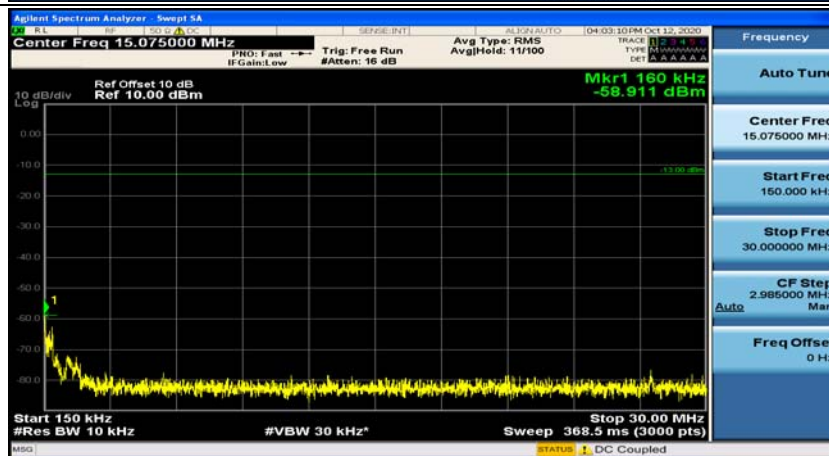
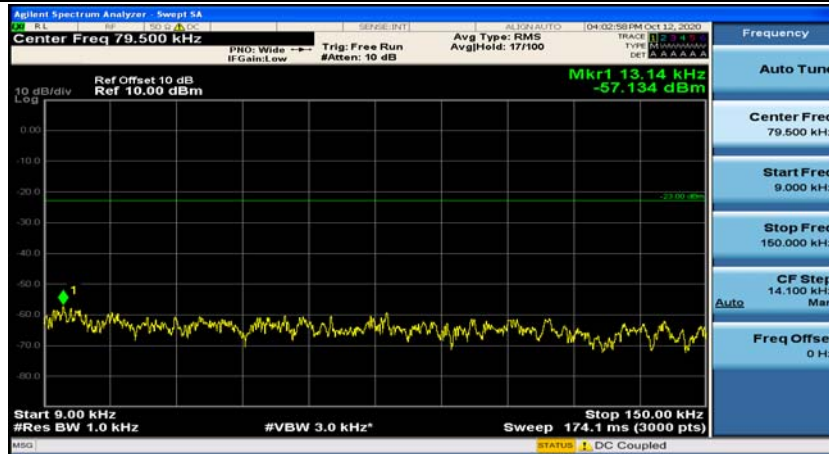




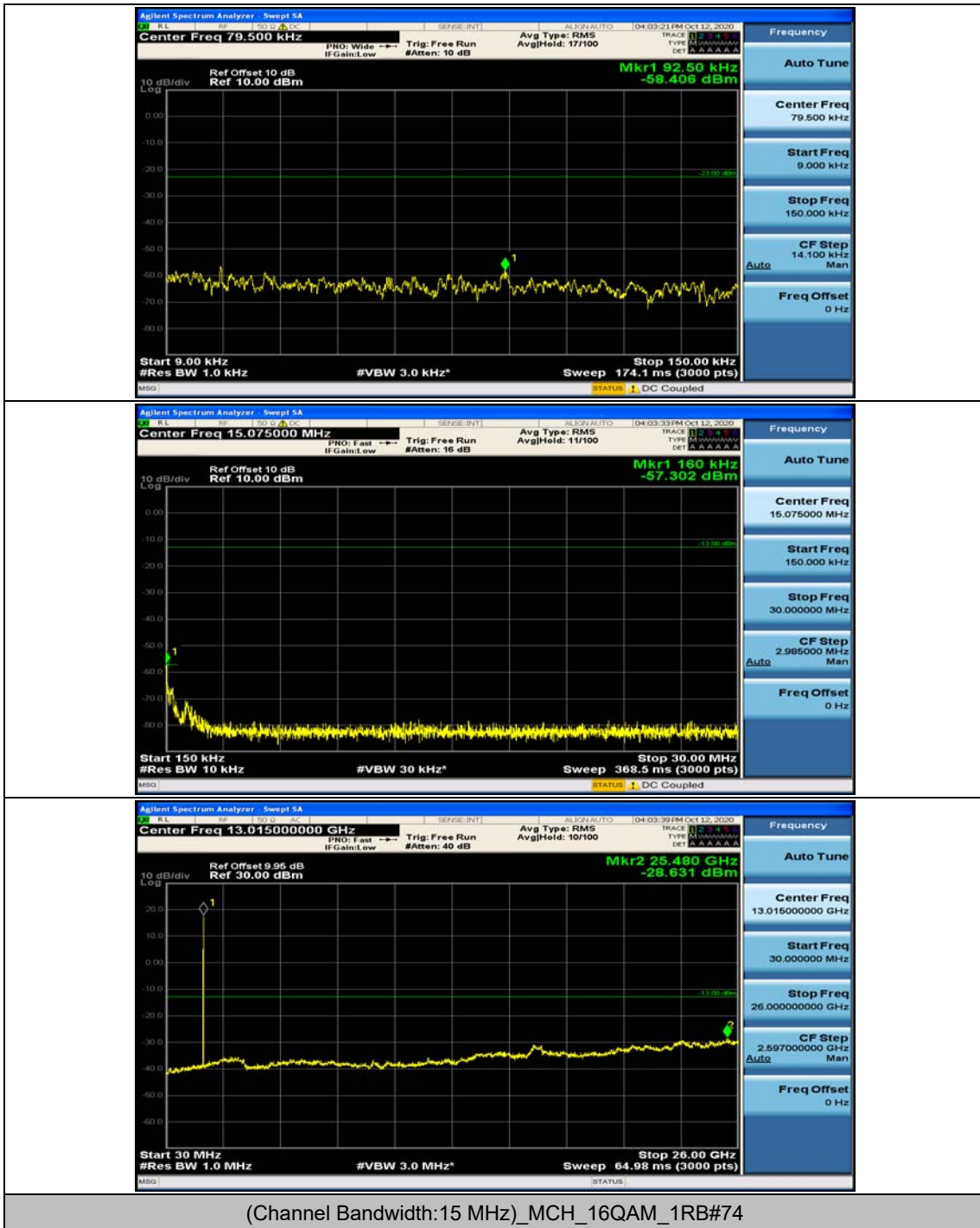


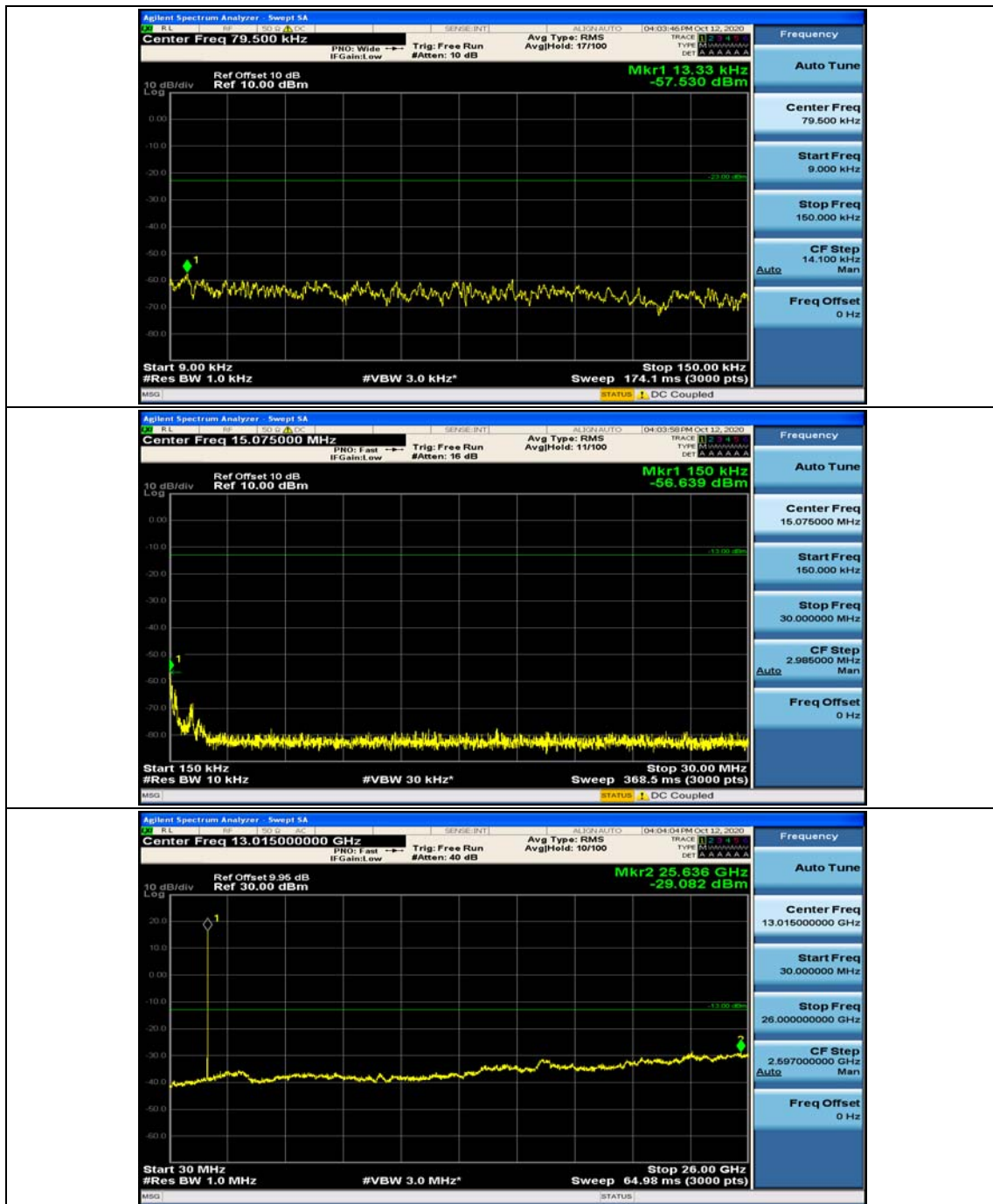


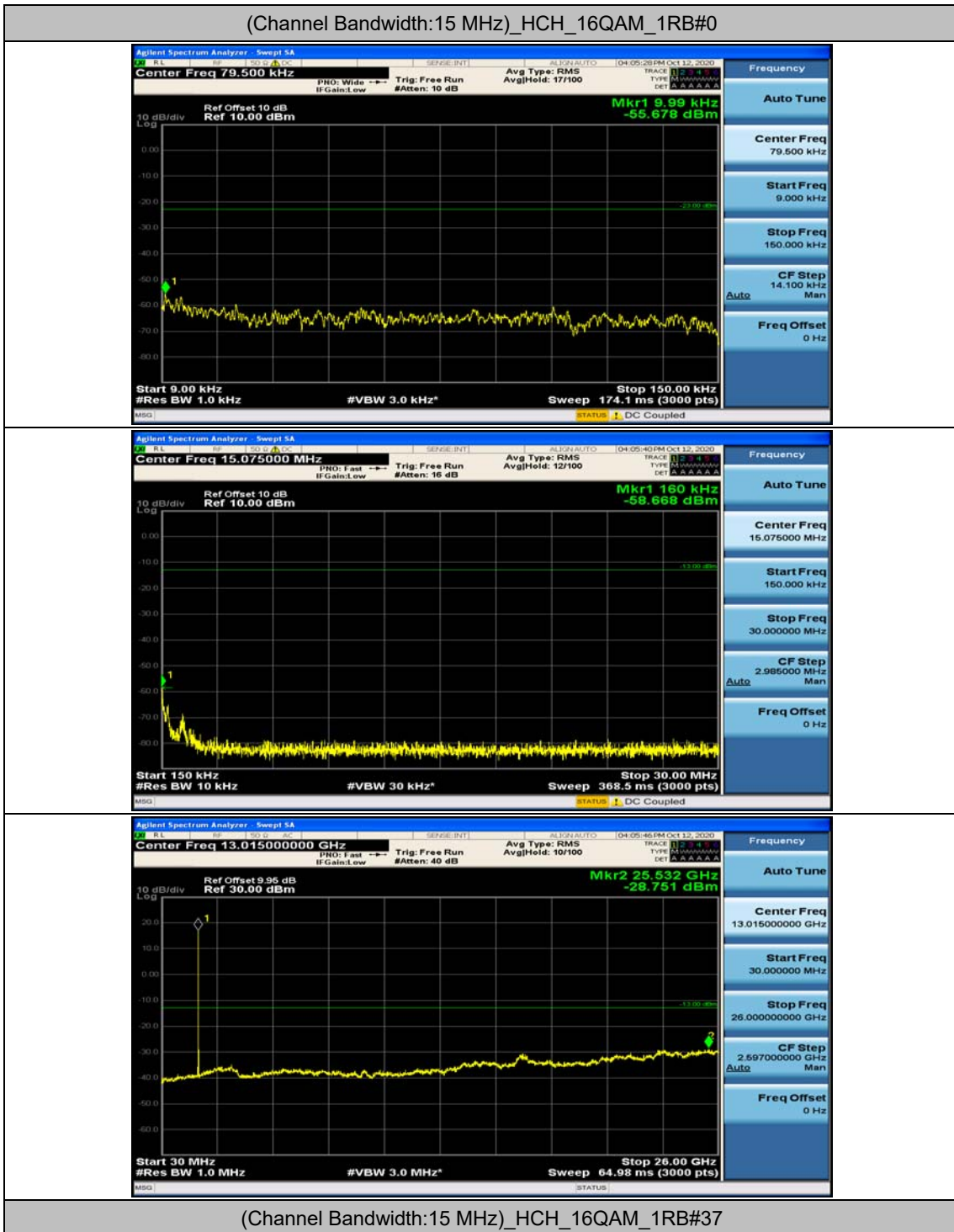
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

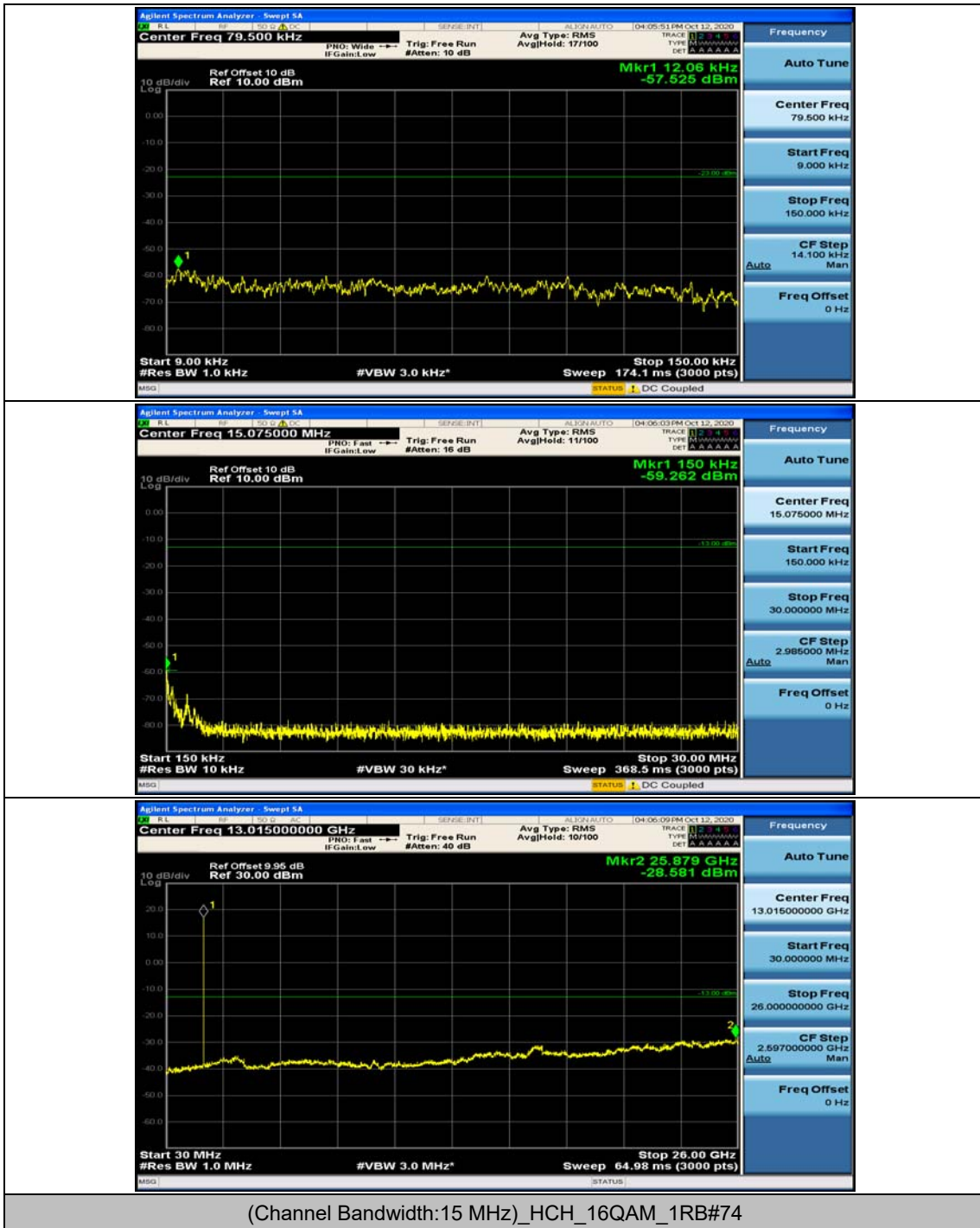


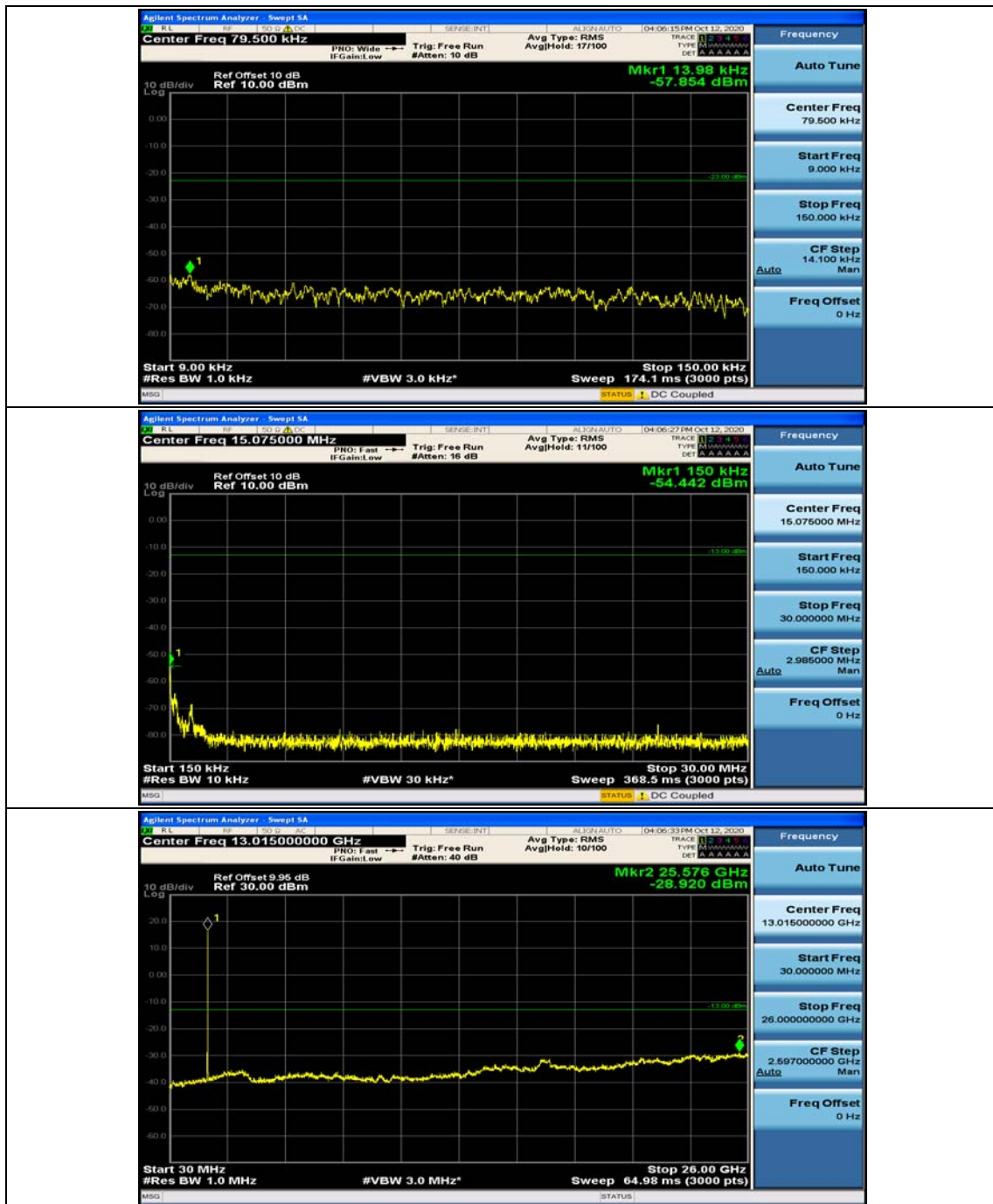
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



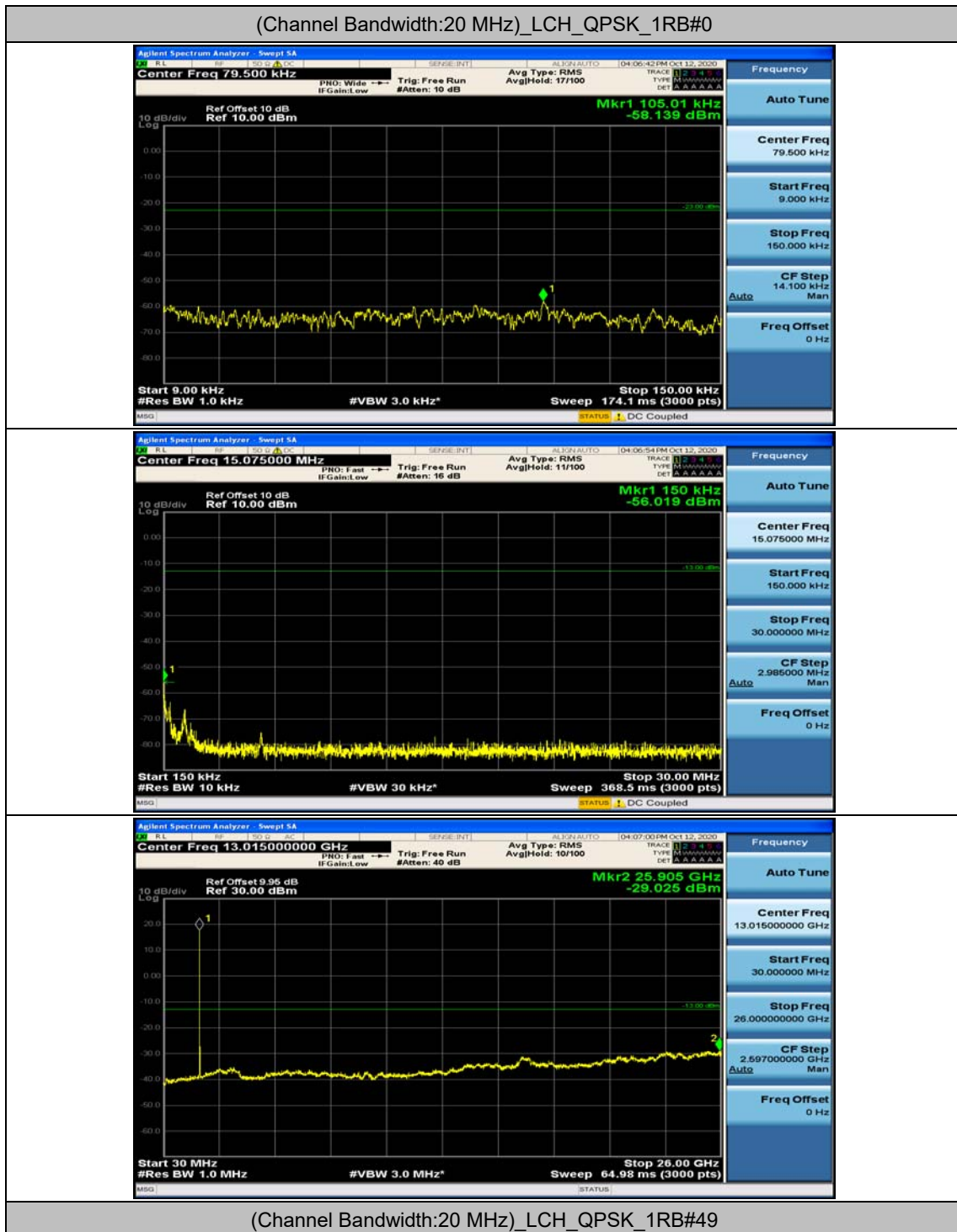


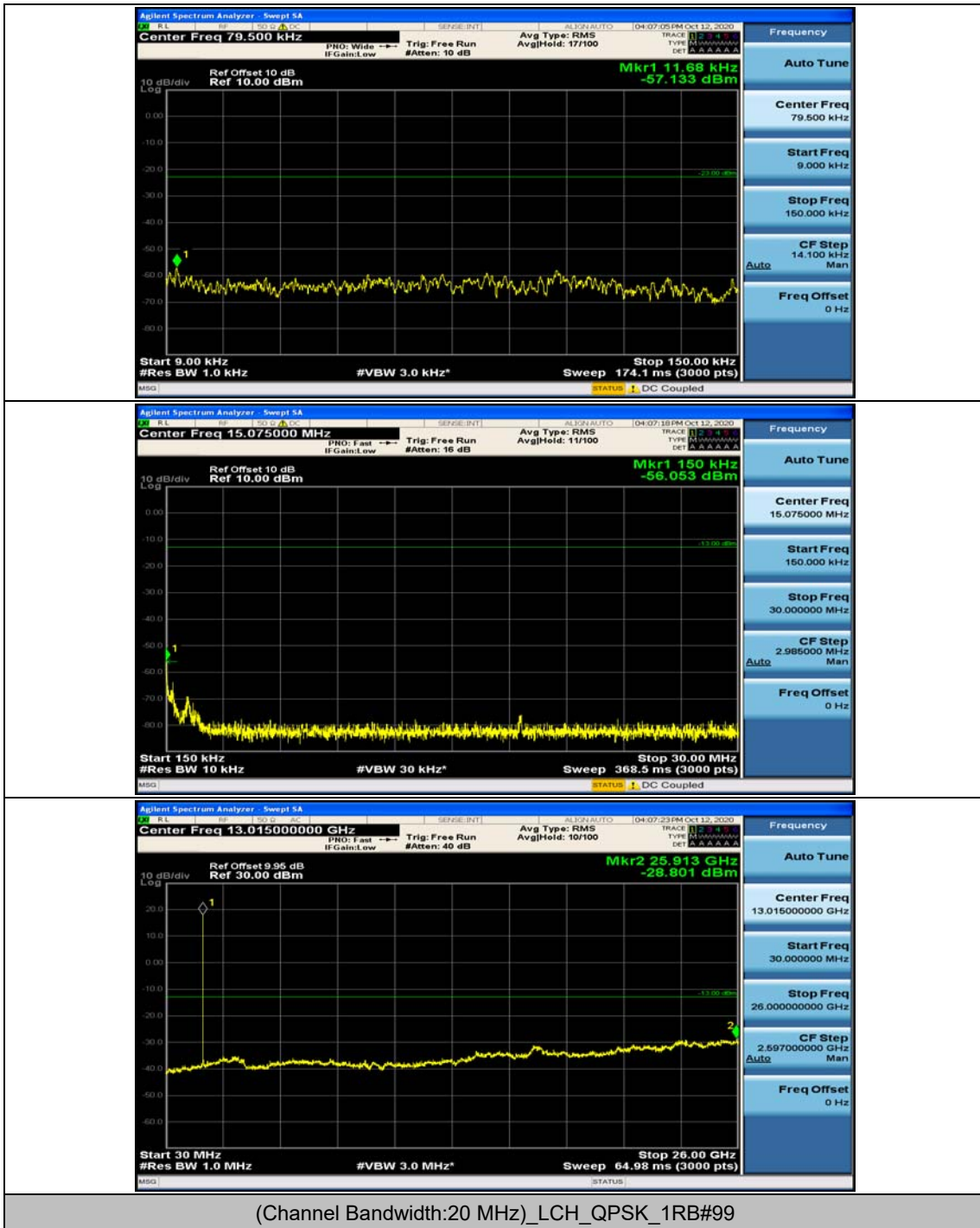


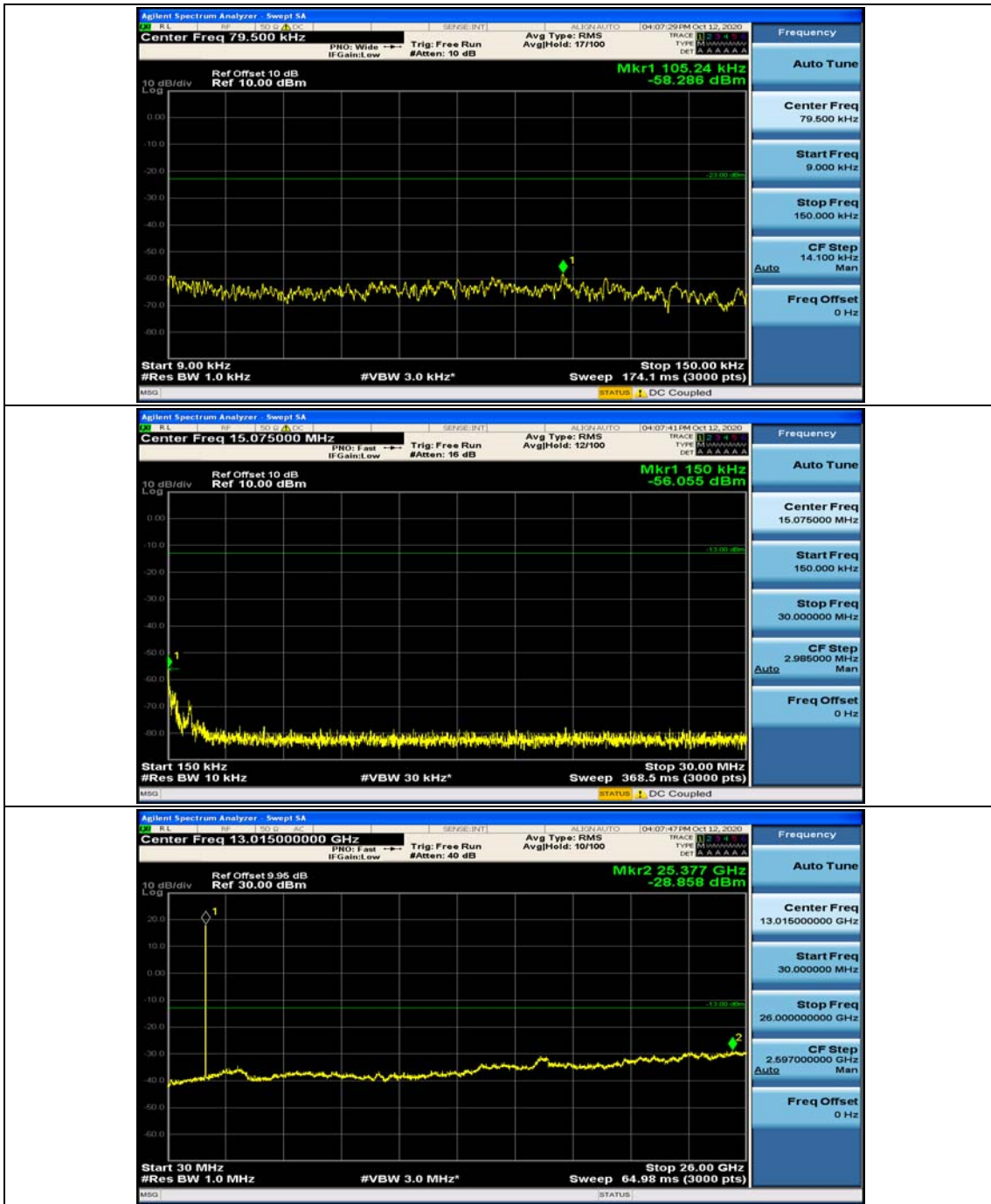


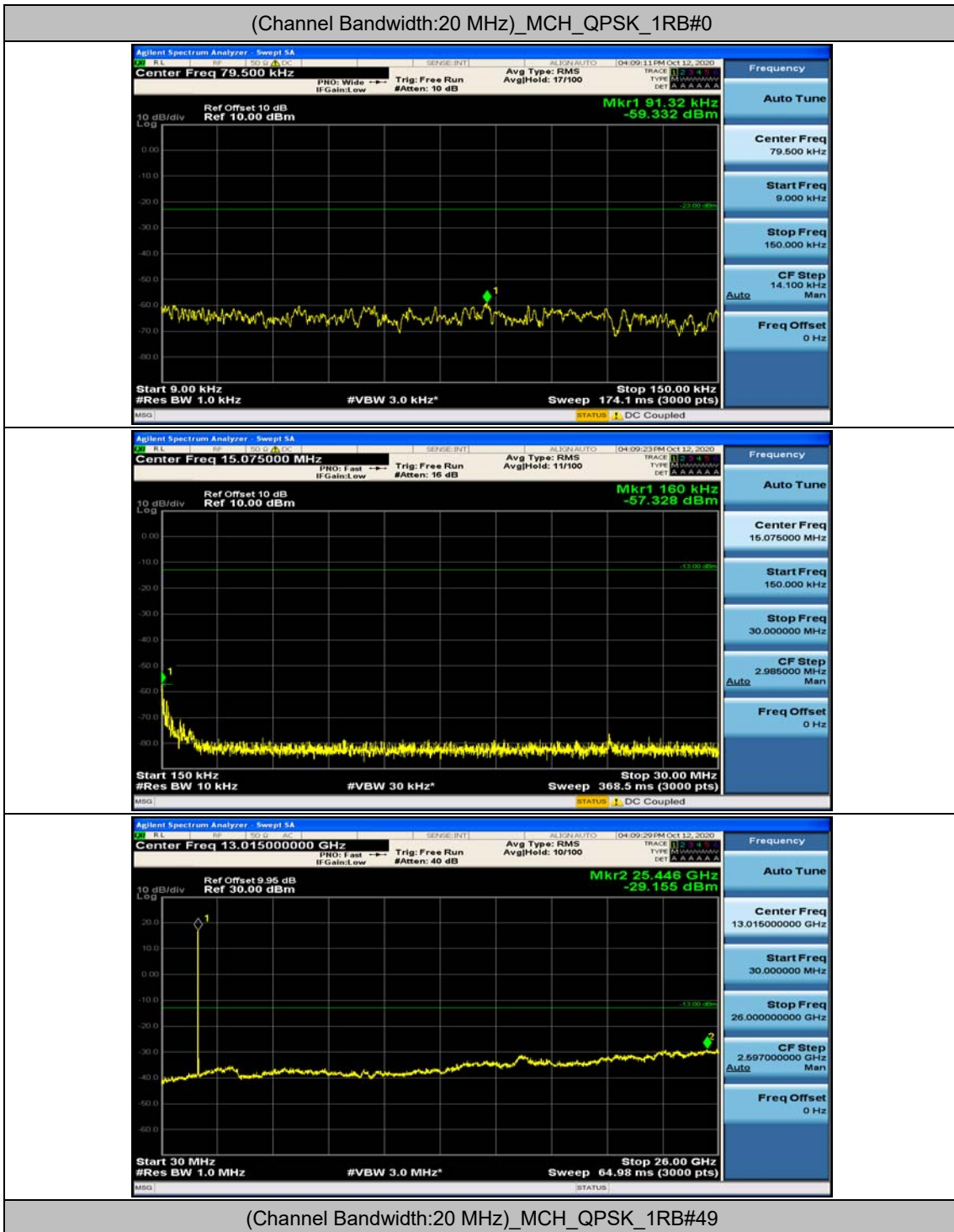


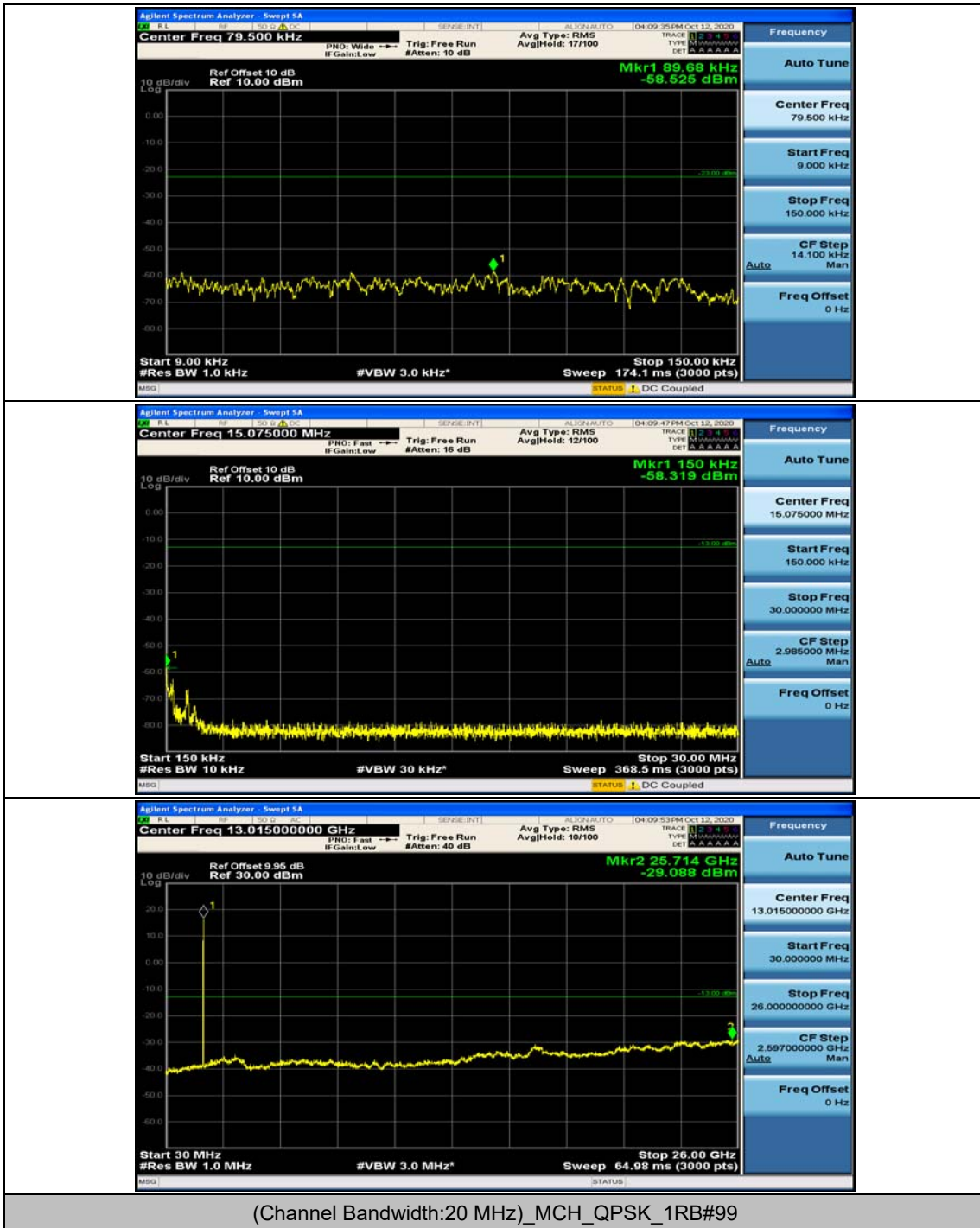
Channel Bandwidth: 20 MHz

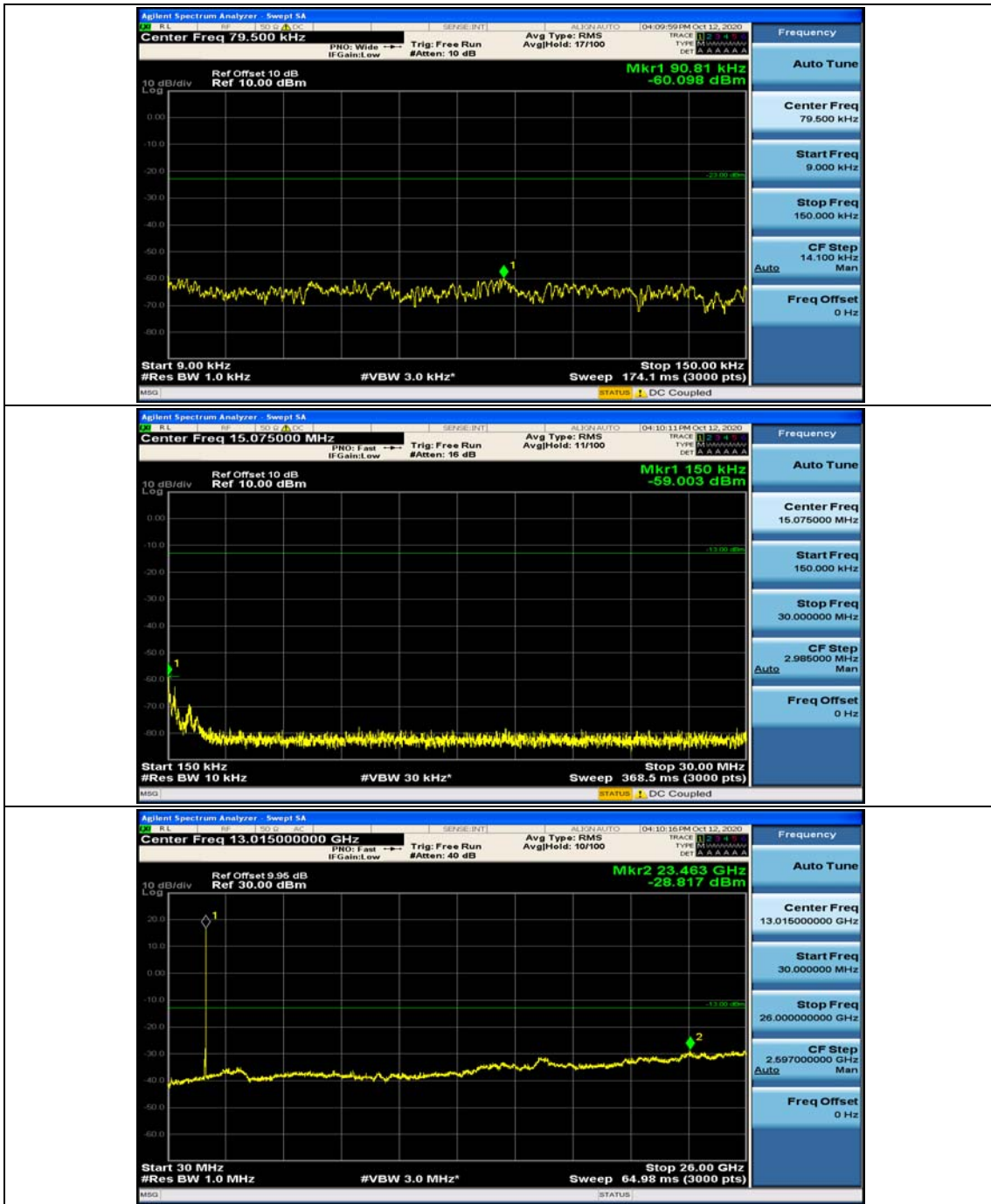


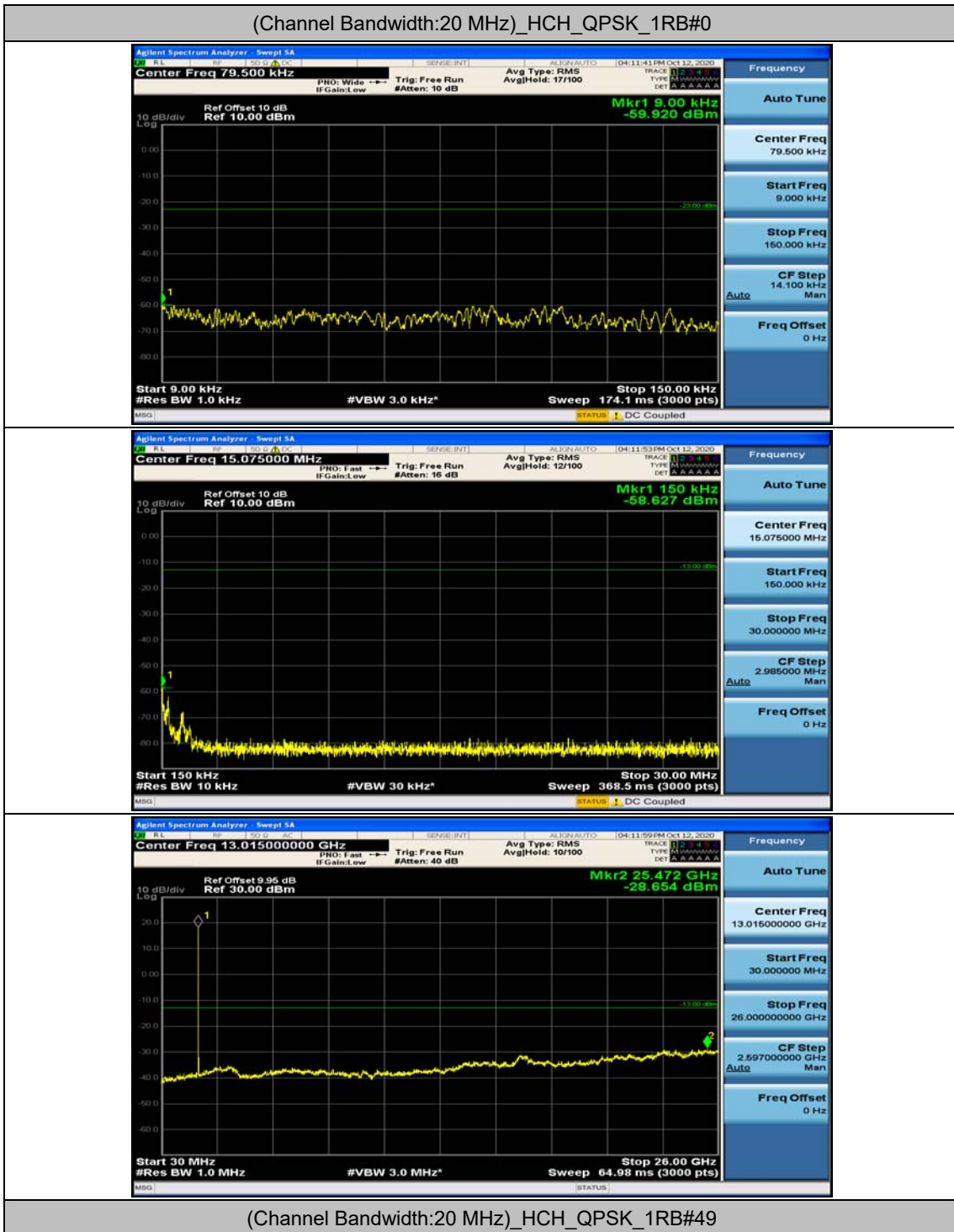


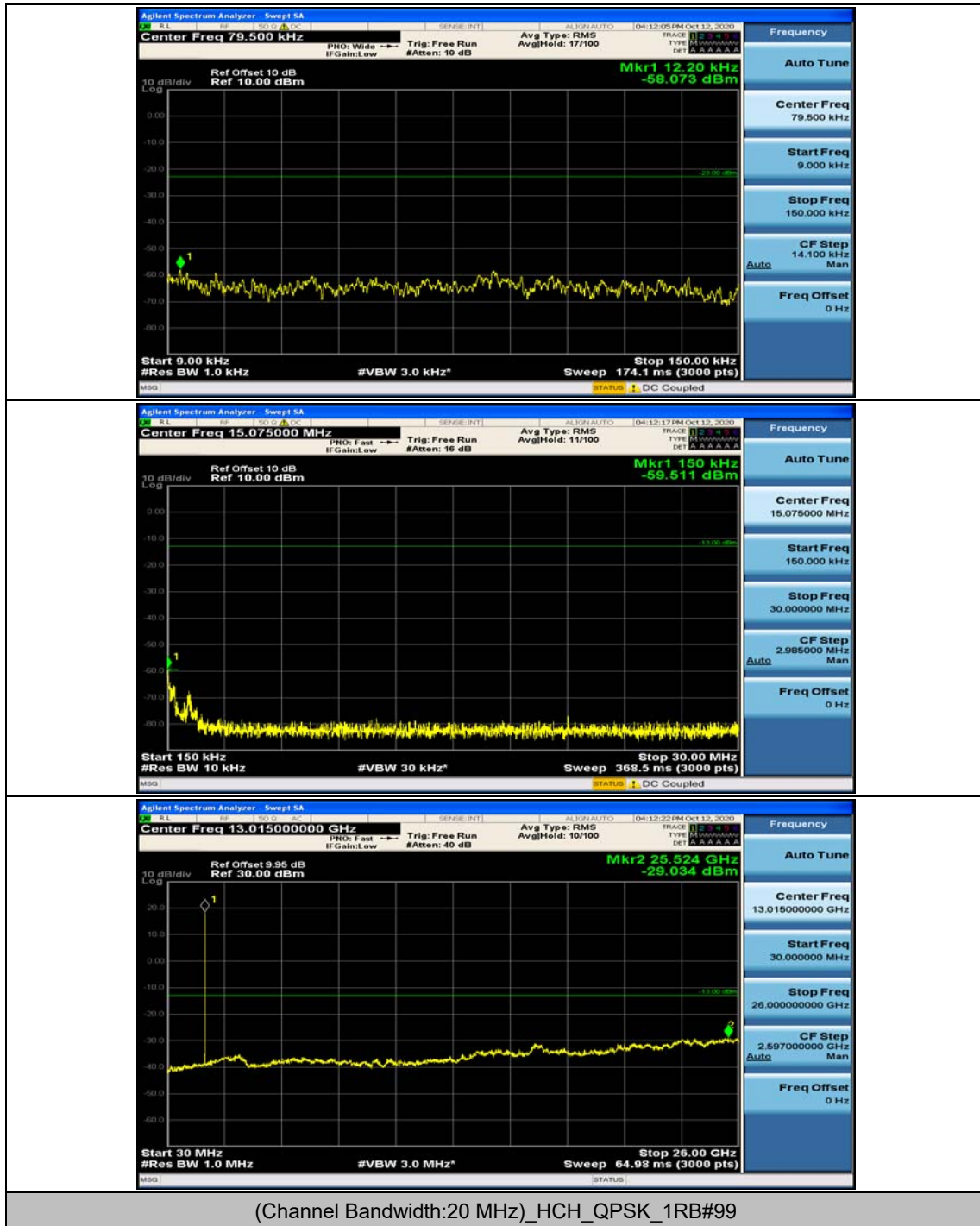


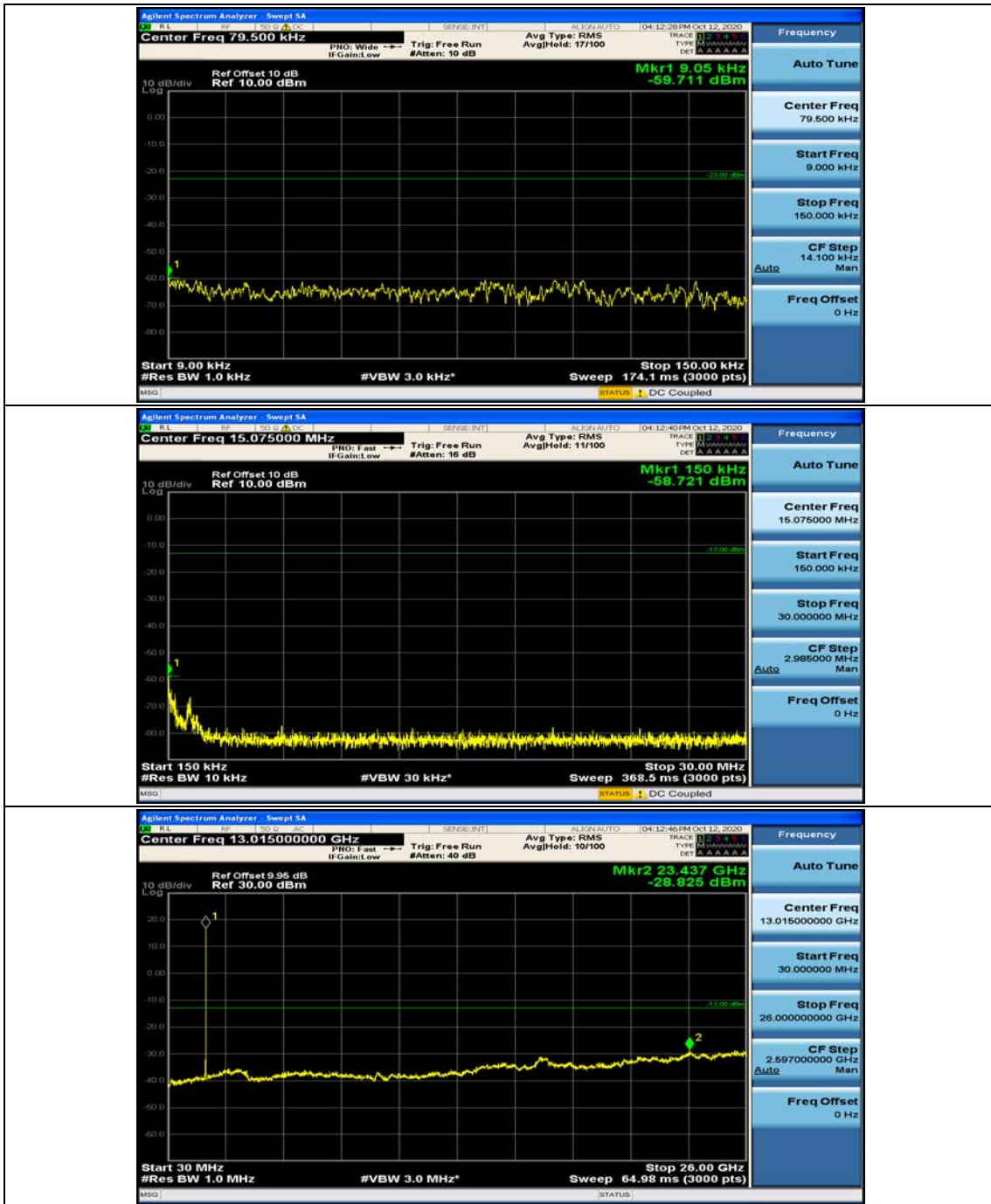


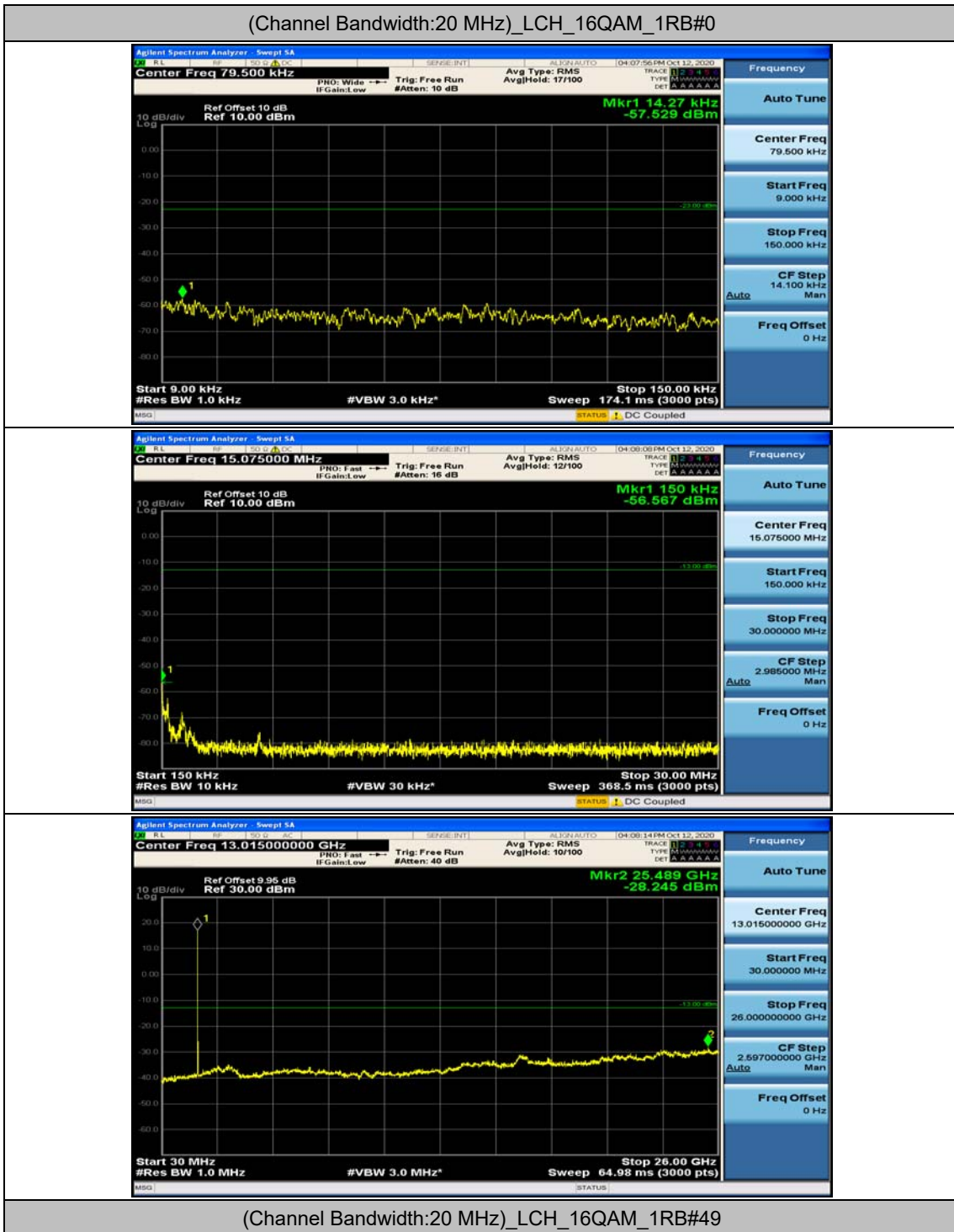


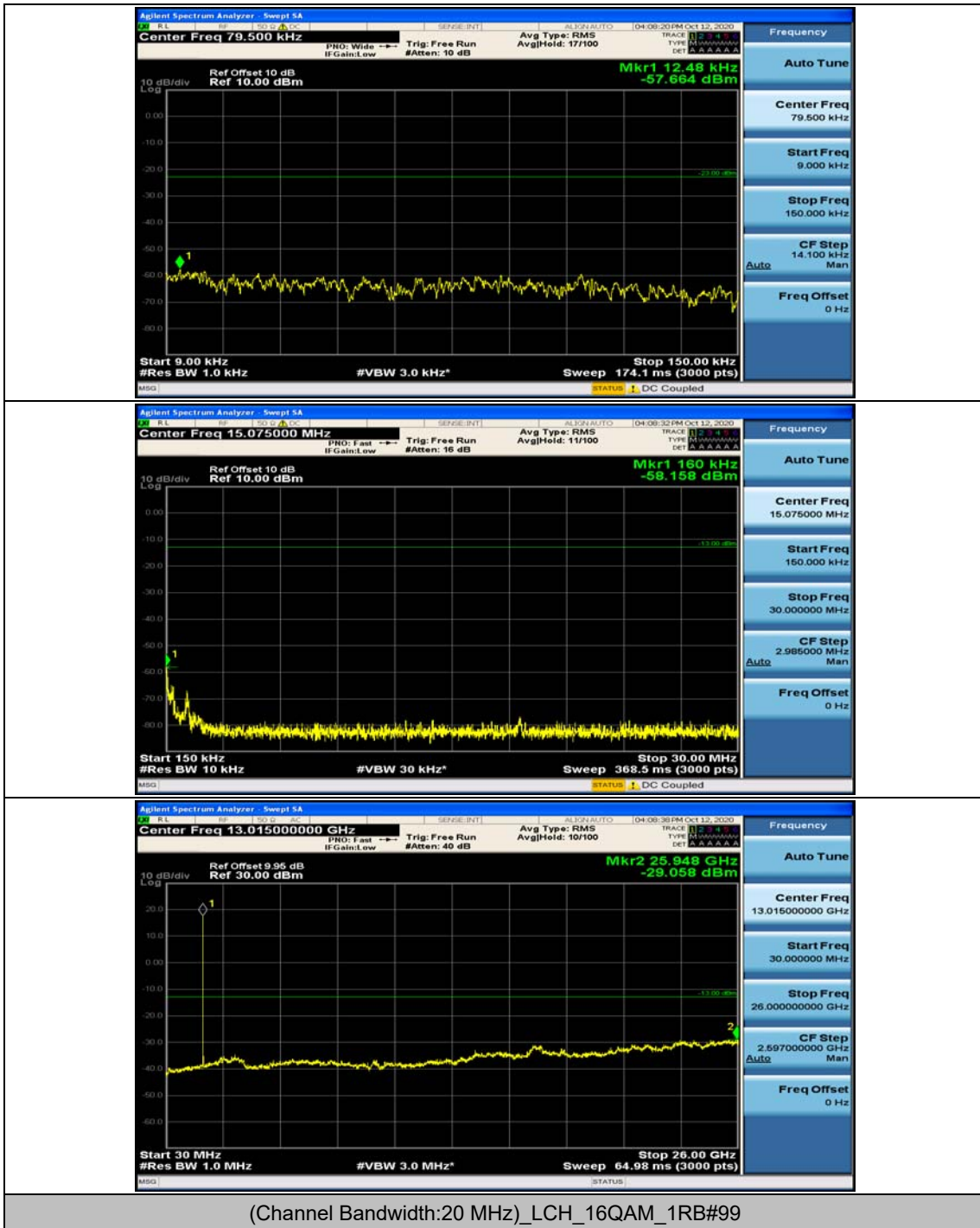


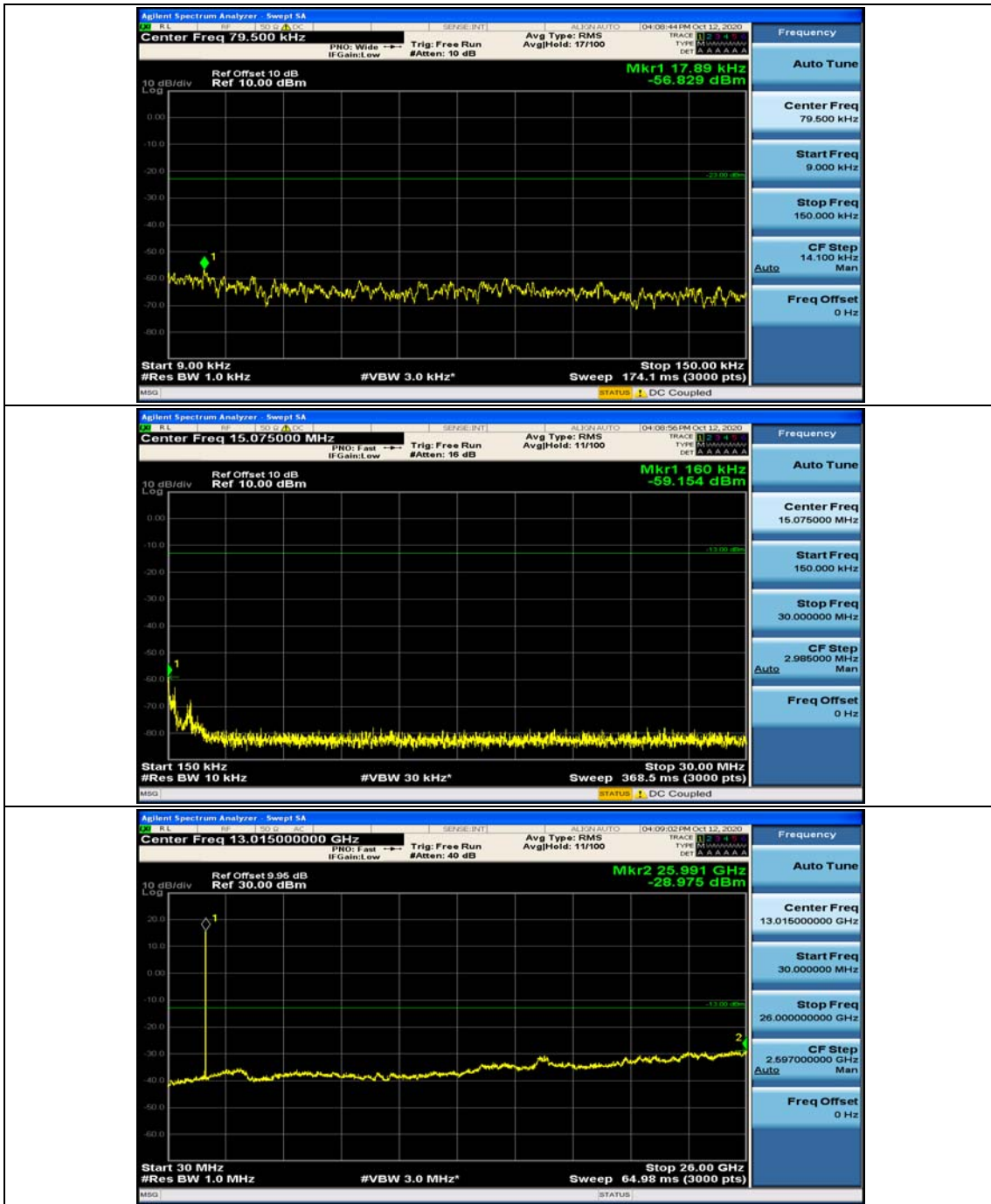




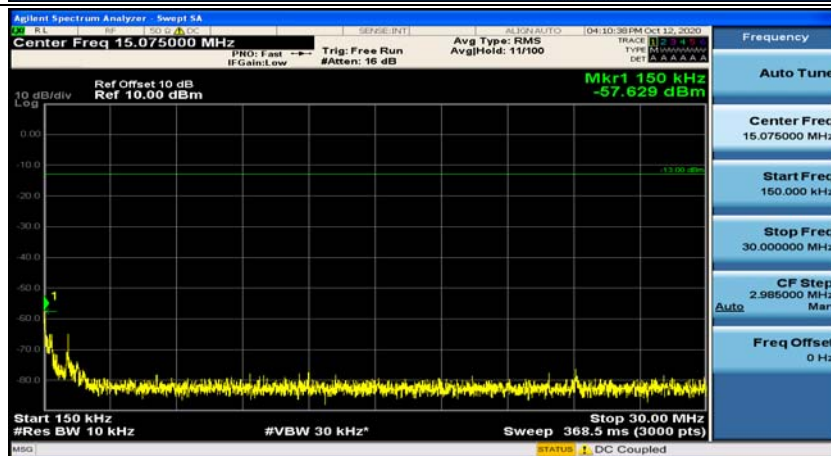
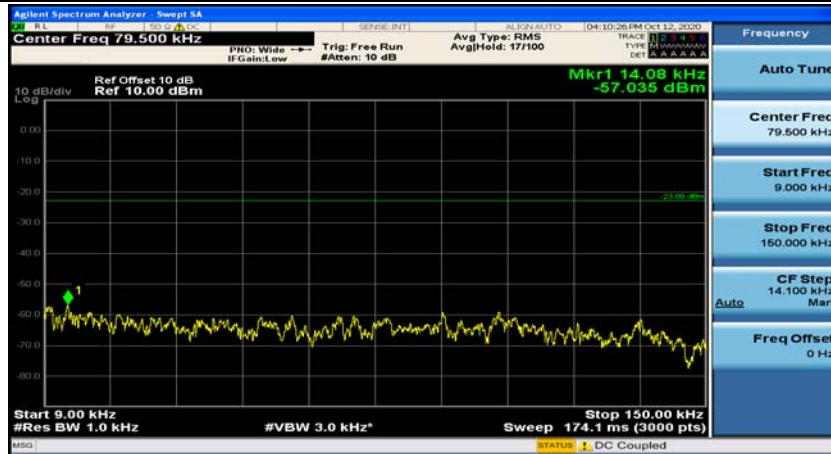




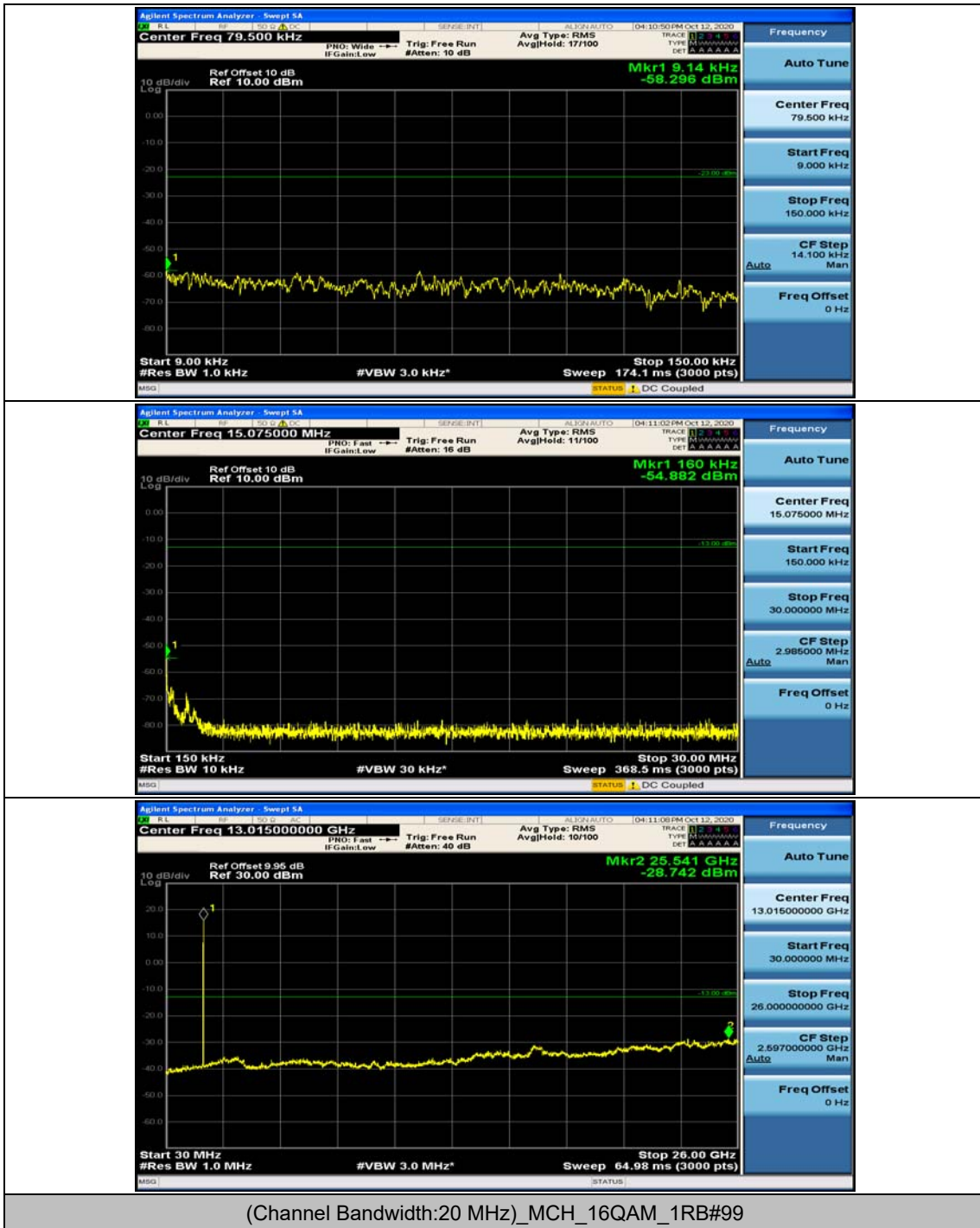


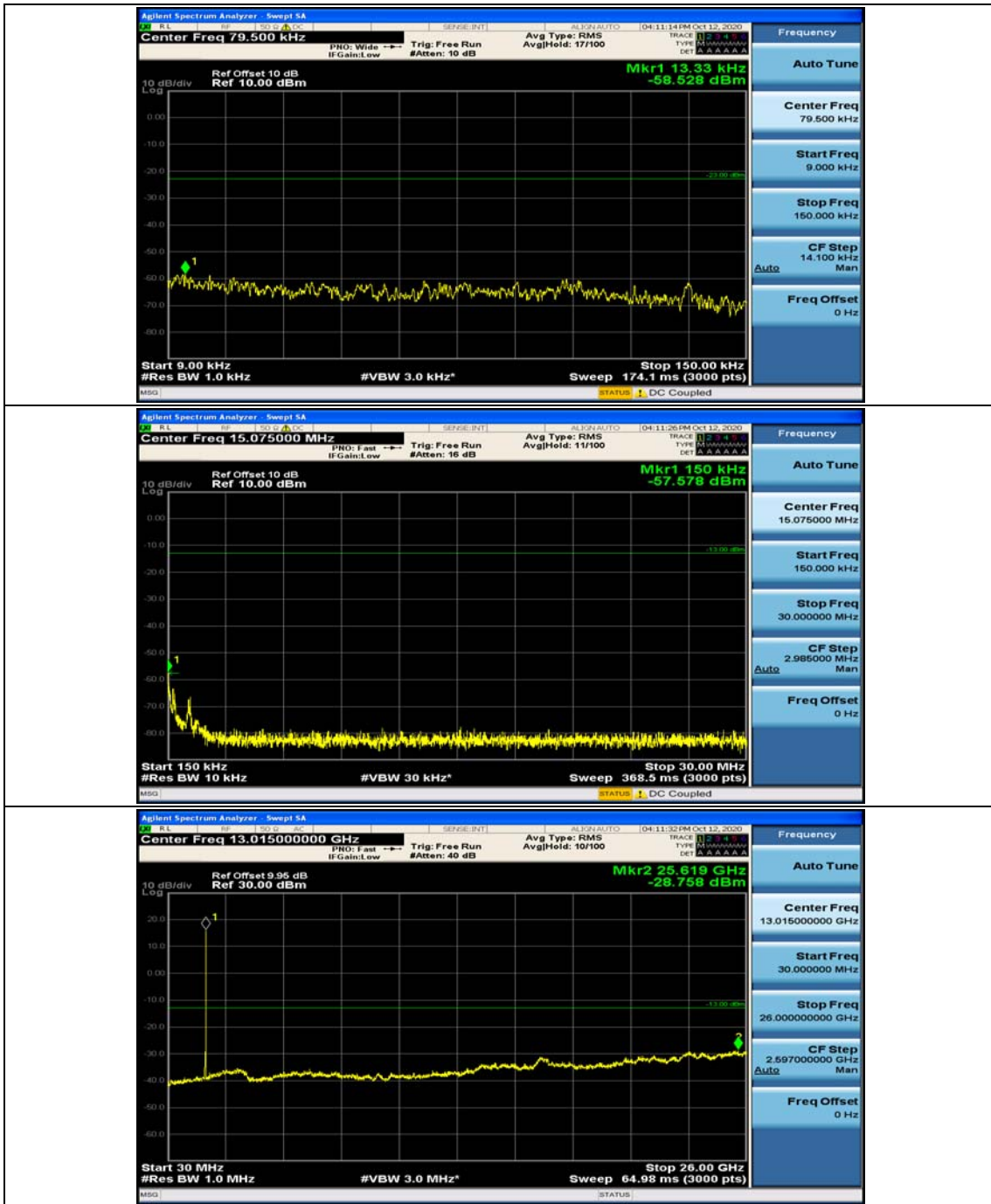


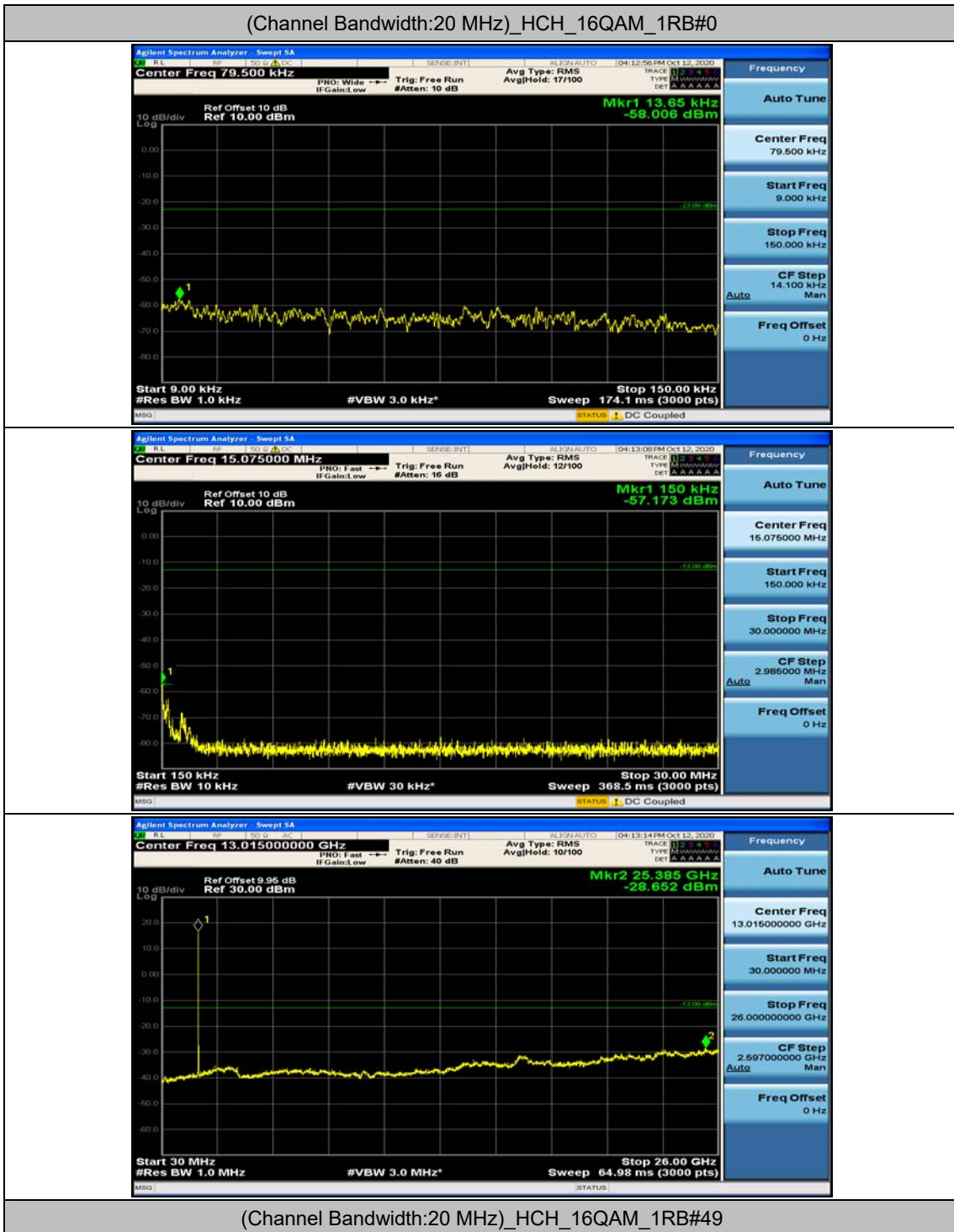
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

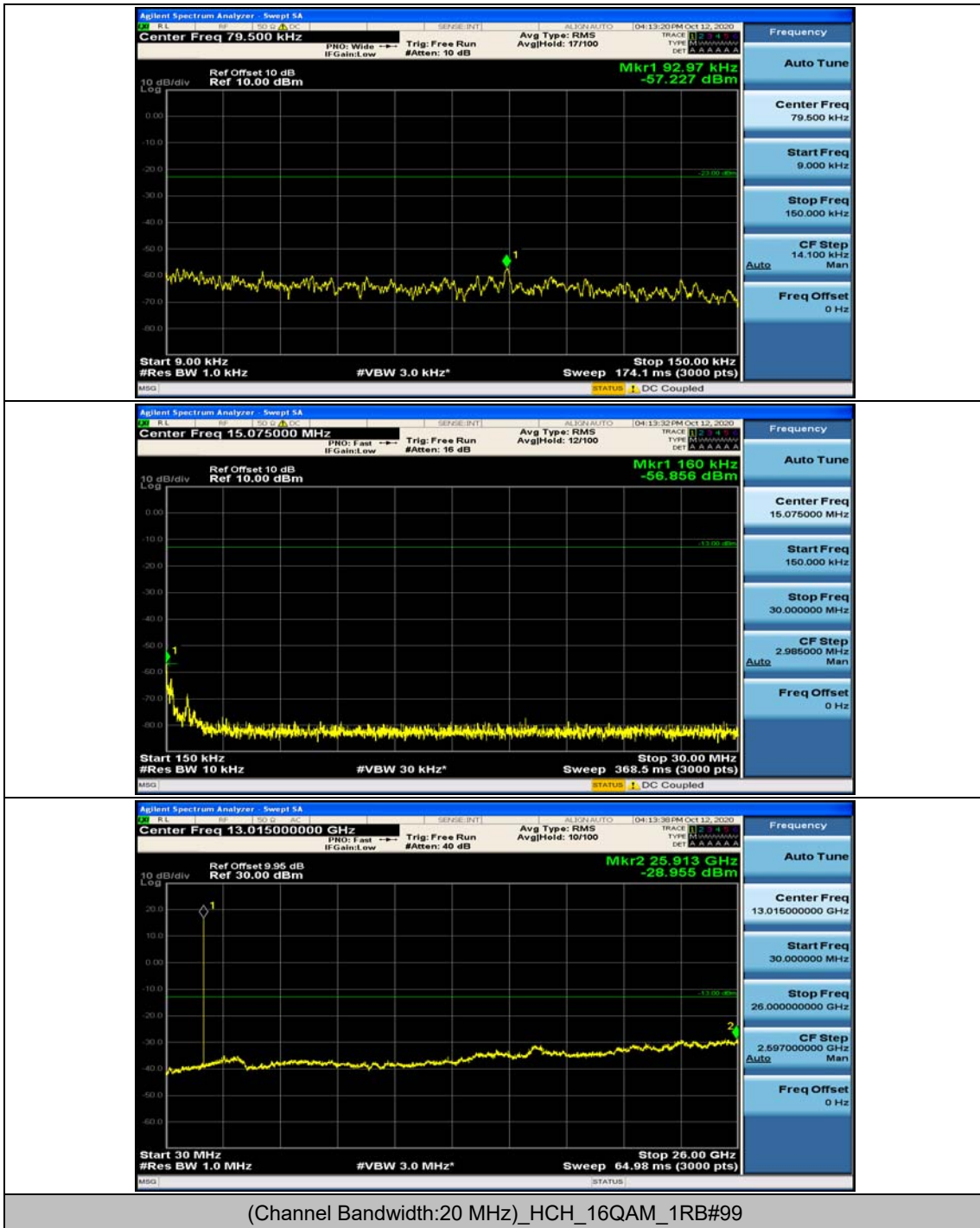


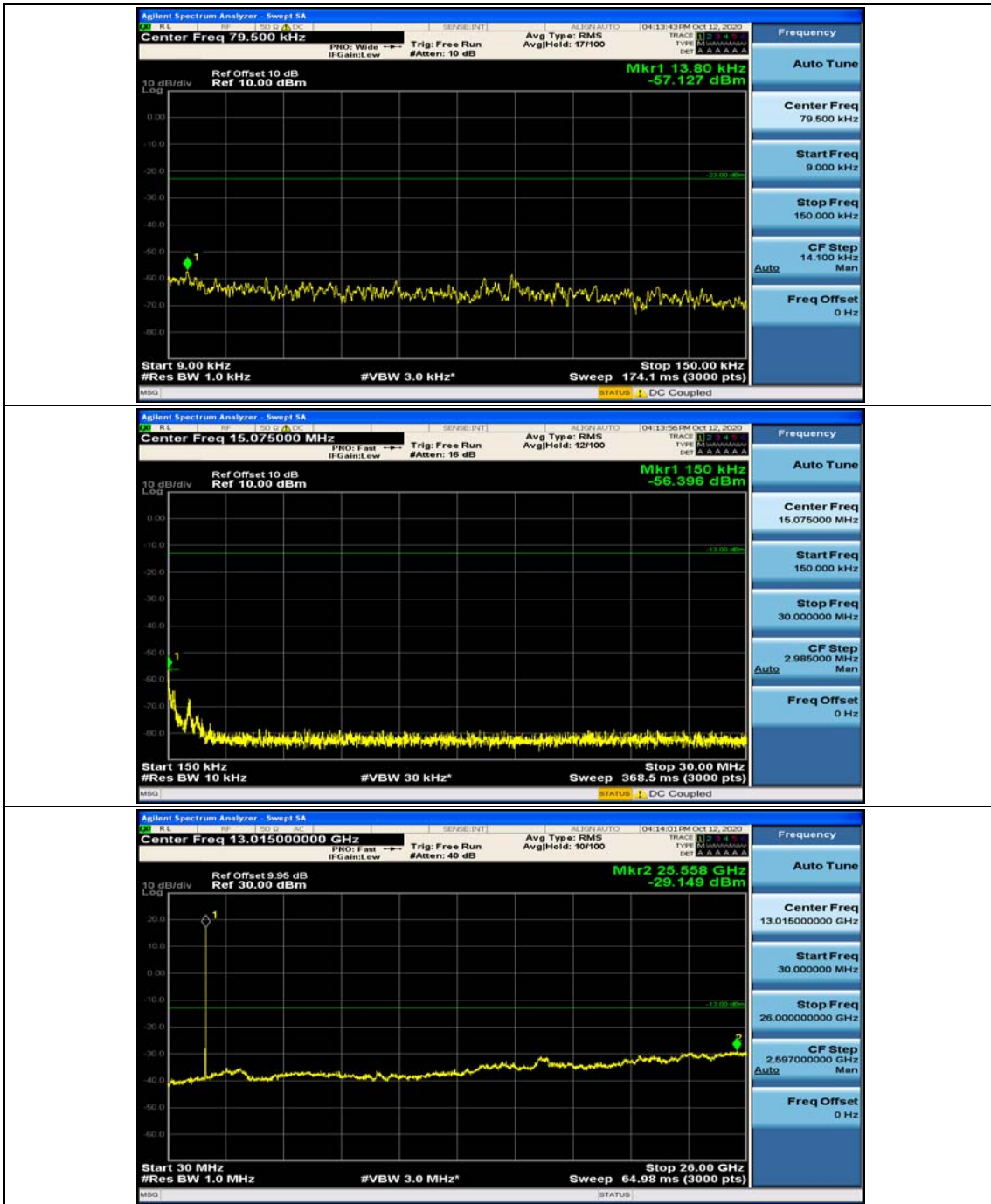
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49











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	-0.99	-0.000579	± 2.5	PASS
		VN	TN	-0.8	-0.000468	± 2.5	PASS
		VH	TN	-0.82	-0.000479	± 2.5	PASS
	MCH	VL	TN	-0.81	-0.000468	± 2.5	PASS
		VN	TN	2.09	0.001206	± 2.5	PASS
		VH	TN	-1.5	-0.000866	± 2.5	PASS
	HCH	VL	TN	0.06	0.000034	± 2.5	PASS
		VN	TN	3.24	0.001847	± 2.5	PASS
		VH	TN	2.15	0.001226	± 2.5	PASS
16QAM	LCH	VL	TN	4.57	0.002671	± 2.5	PASS
		VN	TN	2.14	0.001251	± 2.5	PASS
		VH	TN	2.04	0.001192	± 2.5	PASS
	MCH	VL	TN	-1.92	-0.001108	± 2.5	PASS
		VN	TN	-0.86	-0.000496	± 2.5	PASS
		VH	TN	1.21	0.000698	± 2.5	PASS
	HCH	VL	TN	-1.26	-0.000718	± 2.5	PASS
		VN	TN	0.58	0.000331	± 2.5	PASS
		VH	TN	2.62	0.001493	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.12	0.001239	± 2.5	PASS
		VN	-20	4.45	0.002601	± 2.5	PASS
		VN	-10	-1.94	-0.001134	± 2.5	PASS
		VN	0	-0.66	-0.000386	± 2.5	PASS
		VN	10	1.06	0.000620	± 2.5	PASS
		VN	20	-2	-0.001169	± 2.5	PASS
		VN	30	-0.64	-0.000374	± 2.5	PASS
		VN	40	4.79	0.002800	± 2.5	PASS
		VN	50	3.28	0.001917	± 2.5	PASS

	MCH	VN	-30	3.34	0.001928	± 2.5	PASS
		VN	-20	3.71	0.002141	± 2.5	PASS
		VN	-10	-1.03	-0.000595	± 2.5	PASS
		VN	0	-0.33	-0.000190	± 2.5	PASS
		VN	10	4.61	0.002661	± 2.5	PASS
		VN	20	-0.78	-0.000450	± 2.5	PASS
		VN	30	-1.79	-0.001033	± 2.5	PASS
		VN	40	-0.09	-0.000052	± 2.5	PASS
		VN	50	0.98	0.000566	± 2.5	PASS
	HCH	VN	-30	4.68	0.002668	± 2.5	PASS
		VN	-20	4.91	0.002799	± 2.5	PASS
		VN	-10	-0.72	-0.000410	± 2.5	PASS
		VN	0	4.21	0.002400	± 2.5	PASS
		VN	10	-0.54	-0.000308	± 2.5	PASS
		VN	20	-0.07	-0.000040	± 2.5	PASS
		VN	30	-1.12	-0.000638	± 2.5	PASS
		VN	40	-1.03	-0.000587	± 2.5	PASS
		VN	50	4.79	0.002730	± 2.5	PASS
16QAM	LCH	VN	-30	3.53	0.002063	± 2.5	PASS
		VN	-20	2.35	0.001374	± 2.5	PASS
		VN	-10	4.52	0.002642	± 2.5	PASS
		VN	0	0.4	0.000234	± 2.5	PASS
		VN	10	-0.52	-0.000304	± 2.5	PASS
		VN	20	4.82	0.002818	± 2.5	PASS
		VN	30	-0.77	-0.000450	± 2.5	PASS
		VN	40	-1.39	-0.000813	± 2.5	PASS
		VN	50	3	0.001754	± 2.5	PASS
	MCH	VN	-30	4.52	0.002577	± 2.5	PASS
		VN	-20	4.4	0.002508	± 2.5	PASS
		VN	-10	-0.3	-0.000171	± 2.5	PASS
		VN	0	3.14	0.001790	± 2.5	PASS
		VN	10	-1.26	-0.000718	± 2.5	PASS
		VN	20	-0.91	-0.000519	± 2.5	PASS
		VN	30	3.96	0.002257	± 2.5	PASS
		VN	40	-1.22	-0.000695	± 2.5	PASS
		VN	50	-1.51	-0.000861	± 2.5	PASS
	HCH	VN	-30	3.29	0.001875	± 2.5	PASS
		VN	-20	3.47	0.001978	± 2.5	PASS
		VN	-10	-0.01	-0.000006	± 2.5	PASS
		VN	0	-0.85	-0.000485	± 2.5	PASS
		VN	10	2.05	0.001169	± 2.5	PASS

		VN	20	4.37	0.002491	± 2.5	PASS
		VN	30	-0.16	-0.000091	± 2.5	PASS
		VN	40	-1.22	-0.000695	± 2.5	PASS
		VN	50	1.84	0.001049	± 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	-0.81	-0.000473	± 2.5	PASS
		VN	TN	-1.71	-0.000999	± 2.5	PASS
		VH	TN	3.28	0.001916	± 2.5	PASS
	MCH	VL	TN	-1.27	-0.000733	± 2.5	PASS
		VN	TN	-0.32	-0.000185	± 2.5	PASS
		VH	TN	0.81	0.000468	± 2.5	PASS
	HCH	VL	TN	-0.85	-0.000485	± 2.5	PASS
		VN	TN	4.77	0.002720	± 2.5	PASS
		VH	TN	2.59	0.001477	± 2.5	PASS
16QAM	LCH	VL	TN	0.61	0.000356	± 2.5	PASS
		VN	TN	3.66	0.002138	± 2.5	PASS
		VH	TN	-0.45	-0.000263	± 2.5	PASS
	MCH	VL	TN	2.99	0.001726	± 2.5	PASS
		VN	TN	1.22	0.000704	± 2.5	PASS
		VH	TN	4.8	0.002771	± 2.5	PASS
	HCH	VL	TN	4.52	0.002578	± 2.5	PASS
		VN	TN	2.79	0.001591	± 2.5	PASS
		VH	TN	1.74	0.000992	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.65	0.002717	± 2.5	PASS
		VN	-20	-0.9	-0.000526	± 2.5	PASS
		VN	-10	-1.72	-0.001005	± 2.5	PASS
		VN	0	3.4	0.001987	± 2.5	PASS
		VN	10	3.6	0.002103	± 2.5	PASS
		VN	20	1.38	0.000806	± 2.5	PASS
		VN	30	1.11	0.000649	± 2.5	PASS
		VN	40	-0.48	-0.000280	± 2.5	PASS
	VN	50	-0.74	-0.000432	± 2.5	PASS	
MCH	VN	-30	1.73	0.000999	± 2.5	PASS	

		VN	-20	-1.12	-0.000646	± 2.5	PASS
		VN	-10	2.14	0.001235	± 2.5	PASS
		VN	0	-1.12	-0.000646	± 2.5	PASS
		VN	10	1.29	0.000745	± 2.5	PASS
		VN	20	-0.76	-0.000439	± 2.5	PASS
		VN	30	-1.52	-0.000877	± 2.5	PASS
		VN	40	-1.98	-0.001143	± 2.5	PASS
		VN	50	4.91	0.002834	± 2.5	PASS
	HCH	VN	-30	2.85	0.001625	± 2.5	PASS
		VN	-20	-0.95	-0.000542	± 2.5	PASS
		VN	-10	-0.36	-0.000205	± 2.5	PASS
		VN	0	-0.98	-0.000559	± 2.5	PASS
		VN	10	1.99	0.001135	± 2.5	PASS
		VN	20	4.58	0.002612	± 2.5	PASS
		VN	30	-1.31	-0.000747	± 2.5	PASS
		VN	40	3.06	0.001745	± 2.5	PASS
		VN	50	4.42	0.002521	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.4	-0.000231
VN	-20			-1.31	-0.000756	± 2.5	PASS
VN	-10			-1.7	-0.000981	± 2.5	PASS
VN	0			-0.72	-0.000416	± 2.5	PASS
VN	10			-1.52	-0.000877	± 2.5	PASS
VN	20			2.78	0.001605	± 2.5	PASS
VN	30			0.22	0.000127	± 2.5	PASS
VN	40			3.42	0.001974	± 2.5	PASS
VN	50			4.05	0.002338	± 2.5	PASS
MCH	VN		-30	-0.52	-0.000297	± 2.5	PASS
	VN		-20	3.4	0.001939	± 2.5	PASS
	VN		-10	2.98	0.001699	± 2.5	PASS
	VN		0	4.21	0.002401	± 2.5	PASS
	VN		10	-1.34	-0.000764	± 2.5	PASS
	VN		20	1.84	0.001049	± 2.5	PASS
	VN		30	4.08	0.002327	± 2.5	PASS
	VN		40	3.54	0.002019	± 2.5	PASS
	VN		50	4.67	0.002663	± 2.5	PASS
HCH	VN		-30	0.02	0.000011	± 2.5	PASS
	VN		-20	-0.44	-0.000251	± 2.5	PASS
	VN		-10	0.96	0.000547	± 2.5	PASS
	VN		0	4.51	0.002572	± 2.5	PASS
	VN		10	4.5	0.002566	± 2.5	PASS
	VN		20	-0.44	-0.000251	± 2.5	PASS

		VN	30	0.53	0.000302	± 2.5	PASS
		VN	40	1.55	0.000884	± 2.5	PASS
		VN	50	-0.15	-0.000086	± 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	4.4	0.002569	± 2.5	PASS
		VN	TN	3	0.001752	± 2.5	PASS
		VH	TN	-1.48	-0.000864	± 2.5	PASS
	MCH	VL	TN	-1.42	-0.000820	± 2.5	PASS
		VN	TN	-0.08	-0.000046	± 2.5	PASS
		VH	TN	3.62	0.002089	± 2.5	PASS
	HCH	VL	TN	3.43	0.001957	± 2.5	PASS
		VN	TN	0.62	0.000354	± 2.5	PASS
		VH	TN	3.27	0.001866	± 2.5	PASS
16QAM	LCH	VL	TN	0.76	0.000444	± 2.5	PASS
		VN	TN	2.35	0.001372	± 2.5	PASS
		VH	TN	3.34	0.001950	± 2.5	PASS
	MCH	VL	TN	3.68	0.002124	± 2.5	PASS
		VN	TN	-1.84	-0.001062	± 2.5	PASS
		VH	TN	-0.03	-0.000017	± 2.5	PASS
	HCH	VL	TN	-0.23	-0.000131	± 2.5	PASS
		VN	TN	-0.5	-0.000285	± 2.5	PASS
		VH	TN	0.86	0.000491	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.95	0.002891	± 2.5	PASS
		VN	-20	2.21	0.001291	± 2.5	PASS
		VN	-10	-0.12	-0.000070	± 2.5	PASS
		VN	0	-0.6	-0.000350	± 2.5	PASS
		VN	10	-0.38	-0.000222	± 2.5	PASS
		VN	20	0.32	0.000187	± 2.5	PASS
		VN	30	1.92	0.001121	± 2.5	PASS
		VN	40	0.43	0.000251	± 2.5	PASS
		VN	50	3.57	0.002085	± 2.5	PASS
	MCH	VN	-30	0.15	0.000087	± 2.5	PASS
		VN	-20	0.75	0.000433	± 2.5	PASS

		VN	-10	2.28	0.001316	± 2.5	PASS		
		VN	0	-0.95	-0.000548	± 2.5	PASS		
		VN	10	2.56	0.001478	± 2.5	PASS		
		VN	20	0.47	0.000271	± 2.5	PASS		
		VN	30	1.01	0.000583	± 2.5	PASS		
		VN	40	-1.94	-0.001120	± 2.5	PASS		
		VN	50	2.94	0.001697	± 2.5	PASS		
	HCH	VN	-30	2.63	0.001501	± 2.5	PASS		
		VN	-20	2.09	0.001096	± 2.5	PASS		
		VN	-10	0.48	0.000252	± 2.5	PASS		
		VN	0	4.92	0.002579	± 2.5	PASS		
		VN	10	-0.42	-0.000220	± 2.5	PASS		
		VN	20	0.51	0.000267	± 2.5	PASS		
		VN	30	4.11	0.002155	± 2.5	PASS		
		VN	40	2.3	0.001206	± 2.5	PASS		
		VN	50	3.46	0.001814	± 2.5	PASS		
		16QAM	LCH	VN	-30	3.87	0.002234	± 2.5	PASS
				VN	-20	0.25	0.000144	± 2.5	PASS
				VN	-10	-1.35	-0.000779	± 2.5	PASS
VN	0			1.07	0.000618	± 2.5	PASS		
VN	10			1.07	0.000618	± 2.5	PASS		
VN	20			-1.42	-0.000820	± 2.5	PASS		
VN	30			4	0.002309	± 2.5	PASS		
VN	40			1.55	0.000895	± 2.5	PASS		
VN	50			3.3	0.001905	± 2.5	PASS		
MCH	VN		-30	2.1	0.001198	± 2.5	PASS		
	VN		-20	1.48	0.000845	± 2.5	PASS		
	VN		-10	4.59	0.002619	± 2.5	PASS		
	VN		0	-1.37	-0.000782	± 2.5	PASS		
	VN		10	3.12	0.001780	± 2.5	PASS		
	VN		20	3.58	0.002043	± 2.5	PASS		
	VN		30	4.27	0.002437	± 2.5	PASS		
	VN		40	4.31	0.002459	± 2.5	PASS		
	VN		50	-1.99	-0.001136	± 2.5	PASS		
HCH	VN		-30	-0.49	-0.000257	± 2.5	PASS		
	VN		-20	-0.46	-0.000241	± 2.5	PASS		
	VN		-10	1.53	0.000802	± 2.5	PASS		
	VN		0	-0.51	-0.000267	± 2.5	PASS		
	VN		10	3.88	0.002034	± 2.5	PASS		
	VN		20	2.9	0.001520	± 2.5	PASS		
	VN		30	3.8	0.001992	± 2.5	PASS		

		VN	40	-0.58	-0.000304	± 2.5	PASS
		VN	50	0.58	0.000304	± 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	3.81	0.002222	± 2.5	PASS
		VN	TN	2.72	0.001586	± 2.5	PASS
		VH	TN	-0.7	-0.000408	± 2.5	PASS
	MCH	VL	TN	2.75	0.001587	± 2.5	PASS
		VN	TN	-0.8	-0.000462	± 2.5	PASS
		VH	TN	-0.44	-0.000254	± 2.5	PASS
	HCH	VL	TN	1.99	0.001137	± 2.5	PASS
		VN	TN	-0.62	-0.000354	± 2.5	PASS
		VH	TN	2.13	0.001217	± 2.5	PASS
16QAM	LCH	VL	TN	0.7	0.000408	± 2.5	PASS
		VN	TN	4.27	0.002490	± 2.5	PASS
		VH	TN	1.06	0.000618	± 2.5	PASS
	MCH	VL	TN	2.98	0.001720	± 2.5	PASS
		VN	TN	4.73	0.002730	± 2.5	PASS
		VH	TN	-1.12	-0.000646	± 2.5	PASS
	HCH	VL	TN	2.22	0.001269	± 2.5	PASS
		VN	TN	4.44	0.002537	± 2.5	PASS
		VH	TN	3.81	0.002177	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.64	0.000956	± 2.5	PASS
		VN	-20	2.75	0.001603	± 2.5	PASS
		VN	-10	1.3	0.000758	± 2.5	PASS
		VN	0	0.28	0.000163	± 2.5	PASS
		VN	10	4.57	0.002665	± 2.5	PASS
		VN	20	-0.94	-0.000548	± 2.5	PASS
		VN	30	-0.05	-0.000029	± 2.5	PASS
		VN	40	-1.97	-0.001149	± 2.5	PASS
		VN	50	-0.03	-0.000017	± 2.5	PASS
	MCH	VN	-30	-0.27	-0.000156	± 2.5	PASS
		VN	-20	0.74	0.000427	± 2.5	PASS
		VN	-10	2.53	0.001460	± 2.5	PASS

		VN	0	4.79	0.002765	± 2.5	PASS		
		VN	10	0.79	0.000456	± 2.5	PASS		
		VN	20	0.44	0.000254	± 2.5	PASS		
		VN	30	-0.87	-0.000502	± 2.5	PASS		
		VN	40	-1.36	-0.000785	± 2.5	PASS		
		VN	50	-1.8	-0.001039	± 2.5	PASS		
	HCH	VN	-30	-0.91	-0.000520	± 2.5	PASS		
		VN	-20	-1.86	-0.001063	± 2.5	PASS		
		VN	-10	-1.75	-0.001000	± 2.5	PASS		
		VN	0	0.53	0.000303	± 2.5	PASS		
		VN	10	-1.73	-0.000989	± 2.5	PASS		
		VN	20	2.8	0.001600	± 2.5	PASS		
		VN	30	4.88	0.002789	± 2.5	PASS		
		VN	40	-1.33	-0.000760	± 2.5	PASS		
		VN	50	4.03	0.002303	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.05	-0.000606	± 2.5	PASS
				VN	-20	2.91	0.001680	± 2.5	PASS
				VN	-10	-1.48	-0.000854	± 2.5	PASS
VN	0			-0.05	-0.000029	± 2.5	PASS		
VN	10			3.45	0.001991	± 2.5	PASS		
VN	20			0.75	0.000433	± 2.5	PASS		
VN	30			2.91	0.001680	± 2.5	PASS		
VN	40			0.94	0.000543	± 2.5	PASS		
VN	50			0.27	0.000156	± 2.5	PASS		
MCH	VN		-30	2.62	0.001497	± 2.5	PASS		
	VN		-20	-1.15	-0.000657	± 2.5	PASS		
	VN		-10	0.26	0.000149	± 2.5	PASS		
	VN		0	-1.02	-0.000583	± 2.5	PASS		
	VN		10	-1.94	-0.001109	± 2.5	PASS		
	VN		20	2.97	0.001697	± 2.5	PASS		
	VN		30	4.1	0.002343	± 2.5	PASS		
	VN		40	4.29	0.002451	± 2.5	PASS		
	VN		50	-1.44	-0.000823	± 2.5	PASS		
HCH	VN		-30	3.11	0.001777	± 2.5	PASS		
	VN		-20	1.59	0.000909	± 2.5	PASS		
	VN		-10	1.15	0.000657	± 2.5	PASS		
	VN		0	0.65	0.000371	± 2.5	PASS		
	VN		10	-1.96	-0.001120	± 2.5	PASS		
	VN		20	-1.62	-0.000926	± 2.5	PASS		
	VN		30	3.88	0.002217	± 2.5	PASS		
	VN		40	-0.05	-0.000029	± 2.5	PASS		

		VN	50	1.1	0.000629	± 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	3.74	0.002178	± 2.5	PASS
		VN	TN	-1.25	-0.000728	± 2.5	PASS
		VH	TN	1.51	0.000879	± 2.5	PASS
	MCH	VL	TN	4.32	0.002494	± 2.5	PASS
		VN	TN	4.37	0.002522	± 2.5	PASS
		VH	TN	2.22	0.001281	± 2.5	PASS
	HCH	VL	TN	-1.16	-0.000664	± 2.5	PASS
		VN	TN	-1.89	-0.001082	± 2.5	PASS
		VH	TN	-0.2	-0.000114	± 2.5	PASS
16QAM	LCH	VL	TN	3.41	0.001985	± 2.5	PASS
		VN	TN	0.06	0.000035	± 2.5	PASS
		VH	TN	-1.33	-0.000774	± 2.5	PASS
	MCH	VL	TN	-0.08	-0.000046	± 2.5	PASS
		VN	TN	0.83	0.000479	± 2.5	PASS
		VH	TN	4.1	0.002367	± 2.5	PASS
	HCH	VL	TN	0.58	0.000332	± 2.5	PASS
		VN	TN	4.81	0.002753	± 2.5	PASS
		VH	TN	1.97	0.001127	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.35	-0.000786	± 2.5	PASS
		VN	-20	-0.06	-0.000035	± 2.5	PASS
		VN	-10	4.32	0.002515	± 2.5	PASS
		VN	0	3.7	0.002154	± 2.5	PASS
		VN	10	0.92	0.000536	± 2.5	PASS
		VN	20	-1.87	-0.001089	± 2.5	PASS
		VN	30	-1.25	-0.000728	± 2.5	PASS
		VN	40	3.44	0.002003	± 2.5	PASS
		VN	50	-1.19	-0.000693	± 2.5	PASS
	MCH	VN	-30	3.85	0.002222	± 2.5	PASS
		VN	-20	3.72	0.002147	± 2.5	PASS
		VN	-10	3.65	0.002107	± 2.5	PASS
		VN	0	4.38	0.002528	± 2.5	PASS

		VN	10	3.72	0.002147	± 2.5	PASS		
		VN	20	1.12	0.000646	± 2.5	PASS		
		VN	30	-1.44	-0.000831	± 2.5	PASS		
		VN	40	0.59	0.000341	± 2.5	PASS		
		VN	50	3.93	0.002268	± 2.5	PASS		
	HCH	VN	-30	2.13	0.001219	± 2.5	PASS		
		VN	-20	0.82	0.000469	± 2.5	PASS		
		VN	-10	-1.39	-0.000795	± 2.5	PASS		
		VN	0	2.26	0.001293	± 2.5	PASS		
		VN	10	1.5	0.000858	± 2.5	PASS		
		VN	20	2.97	0.001700	± 2.5	PASS		
		VN	30	2.51	0.001436	± 2.5	PASS		
		VN	40	-1.29	-0.000738	± 2.5	PASS		
		VN	50	-0.85	-0.000486	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.05	-0.000606	± 2.5	PASS
				VN	-20	-1.73	-0.000999	± 2.5	PASS
VN	-10			3.67	0.002118	± 2.5	PASS		
VN	0			2.69	0.001553	± 2.5	PASS		
VN	10			1.13	0.000652	± 2.5	PASS		
VN	20			0.67	0.000387	± 2.5	PASS		
VN	30			-0.9	-0.000519	± 2.5	PASS		
VN	40			3.23	0.001864	± 2.5	PASS		
VN	50			4.58	0.002644	± 2.5	PASS		
MCH	VN		-30	-1.46	-0.000835	± 2.5	PASS		
	VN		-20	-1.37	-0.000784	± 2.5	PASS		
	VN		-10	4.79	0.002741	± 2.5	PASS		
	VN		0	-0.22	-0.000126	± 2.5	PASS		
	VN		10	-1.7	-0.000973	± 2.5	PASS		
	VN		20	-0.42	-0.000240	± 2.5	PASS		
	VN		30	4.4	0.002518	± 2.5	PASS		
	VN	40	0.08	0.000046	± 2.5	PASS			
	VN	50	-1.57	-0.000898	± 2.5	PASS			
HCH	VN	-30	-1.48	-0.000847	± 2.5	PASS			
	VN	-20	2.33	0.001333	± 2.5	PASS			
	VN	-10	3.57	0.002043	± 2.5	PASS			
	VN	0	-1.74	-0.000996	± 2.5	PASS			
	VN	10	2.25	0.001288	± 2.5	PASS			
	VN	20	4.59	0.002627	± 2.5	PASS			
	VN	30	-1.15	-0.000658	± 2.5	PASS			
	VN	40	-1.69	-0.000967	± 2.5	PASS			
	VN	50	3.3	0.001888	± 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	4.38	0.002547	± 2.5	PASS
		VN	TN	1.46	0.000849	± 2.5	PASS
		VH	TN	3.82	0.002221	± 2.5	PASS
	MCH	VL	TN	2.16	0.001247	± 2.5	PASS
		VN	TN	3.59	0.002072	± 2.5	PASS
		VH	TN	0.33	0.000190	± 2.5	PASS
	HCH	VL	TN	4.07	0.002332	± 2.5	PASS
		VN	TN	-1.64	-0.000940	± 2.5	PASS
		VH	TN	4.15	0.002378	± 2.5	PASS
16QAM	LCH	VL	TN	1.48	0.000860	± 2.5	PASS
		VN	TN	2.69	0.001564	± 2.5	PASS
		VH	TN	2.77	0.001610	± 2.5	PASS
	MCH	VL	TN	-1.07	-0.000618	± 2.5	PASS
		VN	TN	-1.65	-0.000952	± 2.5	PASS
		VH	TN	0.8	0.000462	± 2.5	PASS
	HCH	VL	TN	3.31	0.001897	± 2.5	PASS
		VN	TN	-1.1	-0.000630	± 2.5	PASS
		VH	TN	-0.83	-0.000476	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.84	0.000488	± 2.5	PASS
		VN	-20	3.27	0.001901	± 2.5	PASS
		VN	-10	4.5	0.002616	± 2.5	PASS
		VN	0	-1.36	-0.000791	± 2.5	PASS
		VN	10	0.08	0.000047	± 2.5	PASS
		VN	20	0.36	0.000209	± 2.5	PASS
		VN	30	-0.69	-0.000401	± 2.5	PASS
		VN	40	4.67	0.002715	± 2.5	PASS
		VN	50	0.25	0.000145	± 2.5	PASS
	MCH	VN	-30	2.14	0.001235	± 2.5	PASS
		VN	-20	1.17	0.000675	± 2.5	PASS
		VN	-10	0.62	0.000358	± 2.5	PASS
		VN	0	1.32	0.000762	± 2.5	PASS
		VN	10	4.67	0.002696	± 2.5	PASS

		VN	20	0.54	0.000312	± 2.5	PASS
		VN	30	0.97	0.000560	± 2.5	PASS
		VN	40	2.6	0.001501	± 2.5	PASS
		VN	50	1.87	0.001079	± 2.5	PASS
	HCH	VN	-30	2.48	0.001421	± 2.5	PASS
		VN	-20	-1.14	-0.000653	± 2.5	PASS
		VN	-10	-1.04	-0.000596	± 2.5	PASS
		VN	0	3.36	0.001926	± 2.5	PASS
		VN	10	0.32	0.000183	± 2.5	PASS
		VN	20	4.5	0.002579	± 2.5	PASS
		VN	30	0.88	0.000504	± 2.5	PASS
		VN	40	3.36	0.001926	± 2.5	PASS
		VN	50	-1.62	-0.000928	± 2.5	PASS
16QAM	LCH	VN	-30	0.25	0.000144	± 2.5	PASS
		VN	-20	-1.52	-0.000877	± 2.5	PASS
		VN	-10	-1.84	-0.001062	± 2.5	PASS
		VN	0	2.14	0.001235	± 2.5	PASS
		VN	10	4.21	0.002430	± 2.5	PASS
		VN	20	2.88	0.001662	± 2.5	PASS
		VN	30	1.56	0.000900	± 2.5	PASS
		VN	40	-2	-0.001154	± 2.5	PASS
		VN	50	4.64	0.002678	± 2.5	PASS
	MCH	VN	-30	-1.65	-0.000946	± 2.5	PASS
		VN	-20	0.28	0.000160	± 2.5	PASS
		VN	-10	3.94	0.002258	± 2.5	PASS
		VN	0	1.42	0.000814	± 2.5	PASS
		VN	10	-1.84	-0.001054	± 2.5	PASS
		VN	20	4.59	0.002630	± 2.5	PASS
		VN	30	-0.86	-0.000493	± 2.5	PASS
		VN	40	4.49	0.002573	± 2.5	PASS
		VN	50	4.52	0.002590	± 2.5	PASS
	HCH	VN	-30	1.66	0.000951	± 2.5	PASS
		VN	-20	-0.92	-0.000527	± 2.5	PASS
		VN	-10	1.46	0.000837	± 2.5	PASS
		VN	0	4	0.002292	± 2.5	PASS
		VN	10	-0.11	-0.000063	± 2.5	PASS
		VN	20	4.1	0.002350	± 2.5	PASS
		VN	30	0.13	0.000074	± 2.5	PASS
		VN	40	-0.74	-0.000424	± 2.5	PASS
		VN	50	4.17	0.002390	± 2.5	PASS