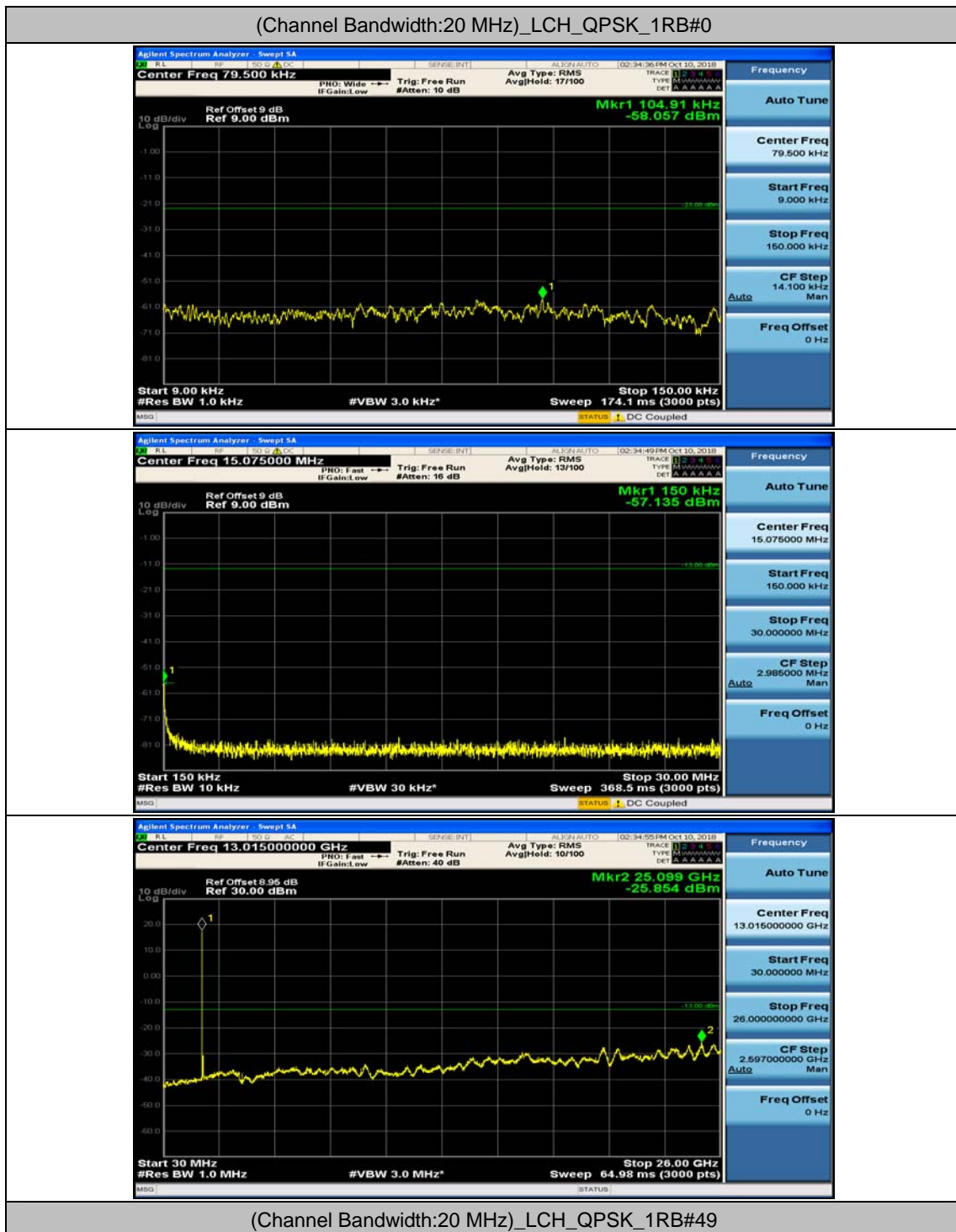
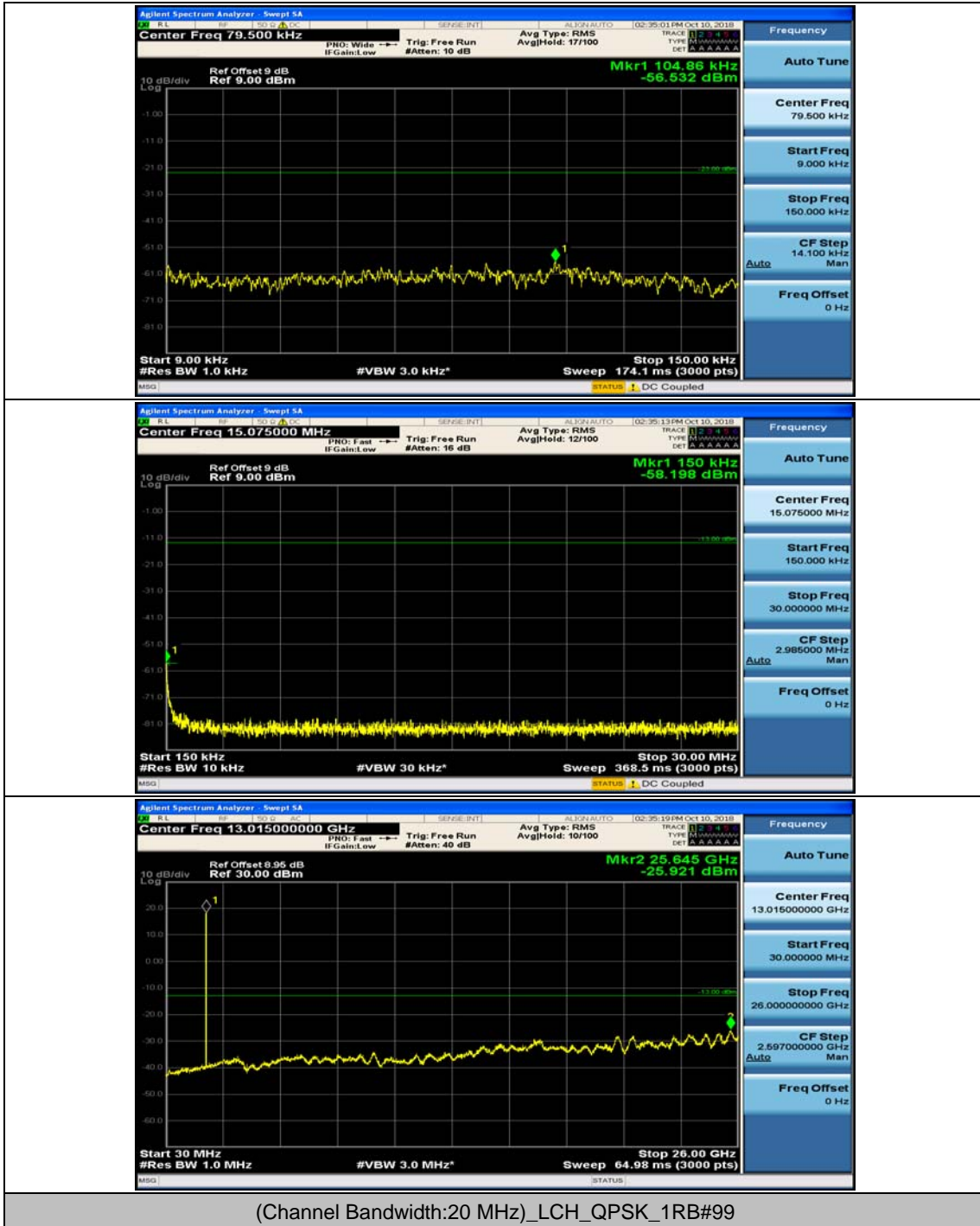
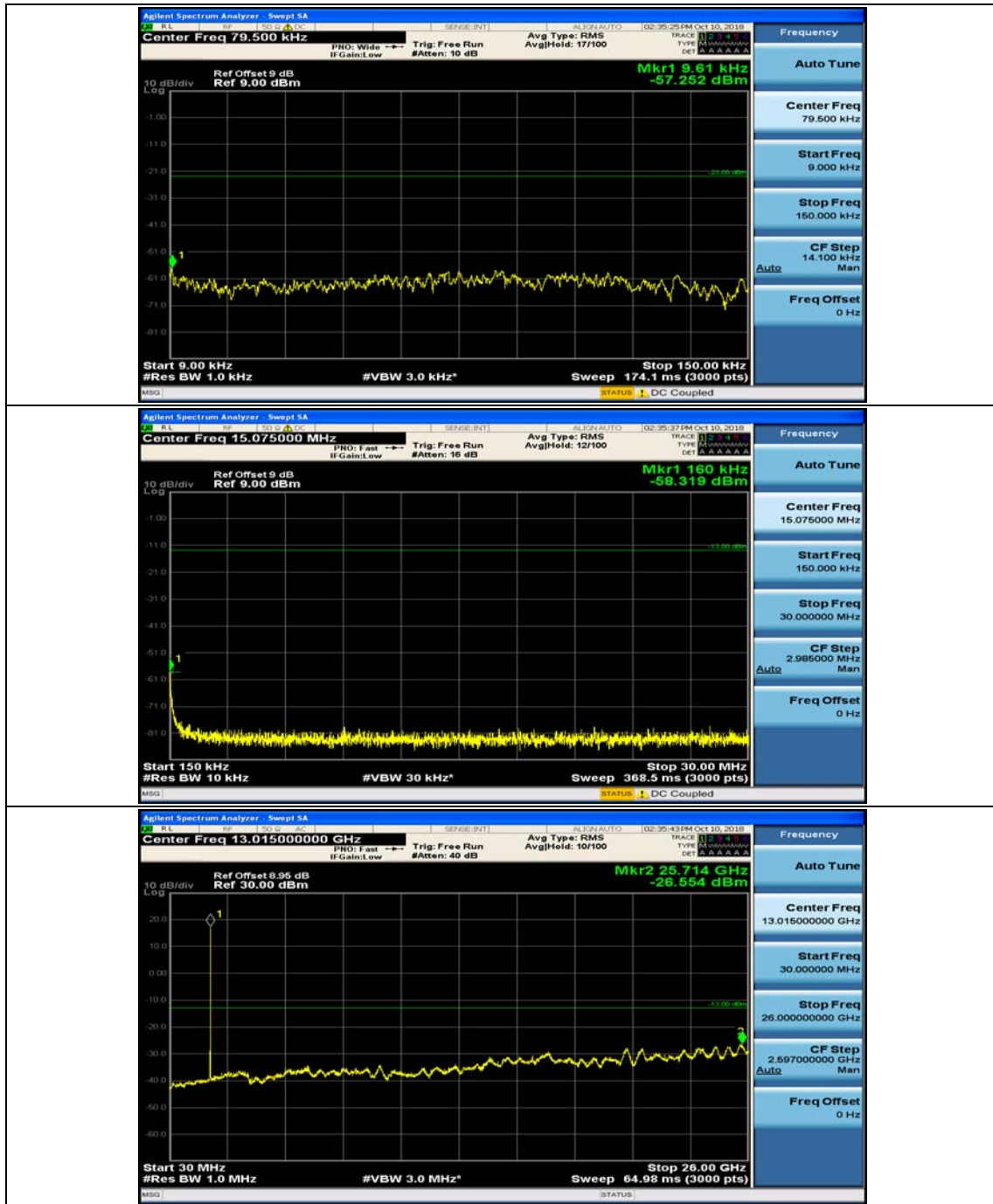


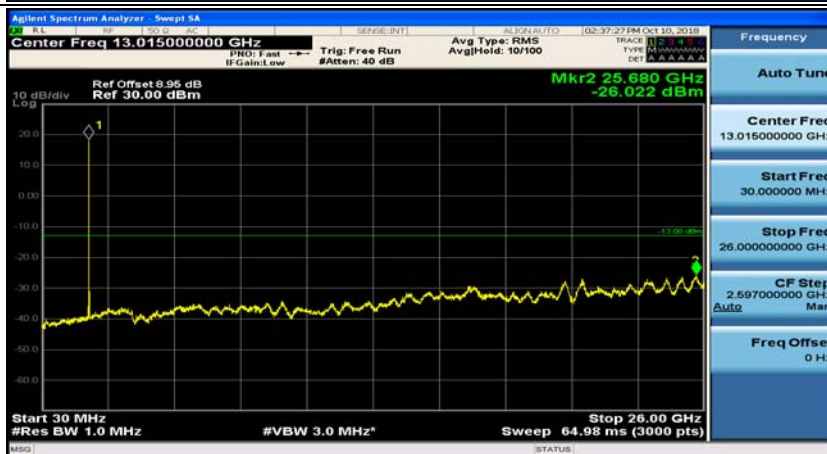
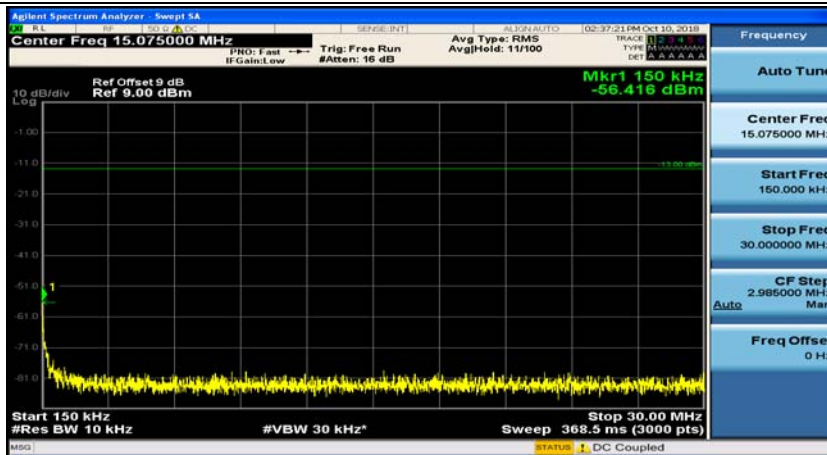
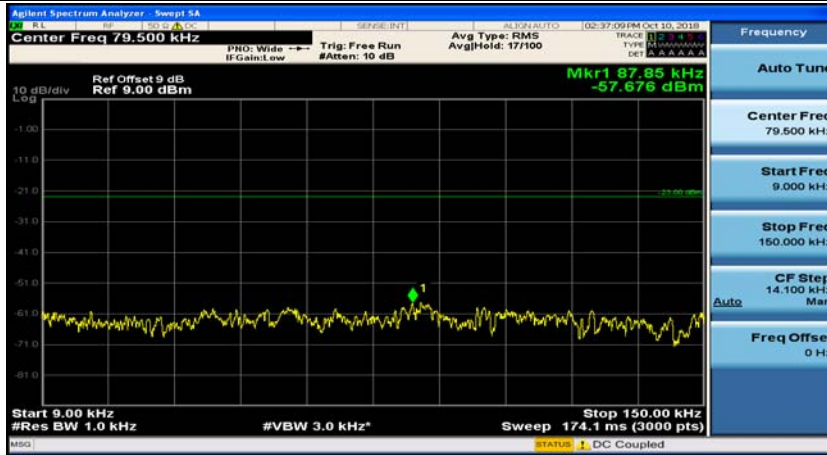
Channel Bandwidth: 20 MHz



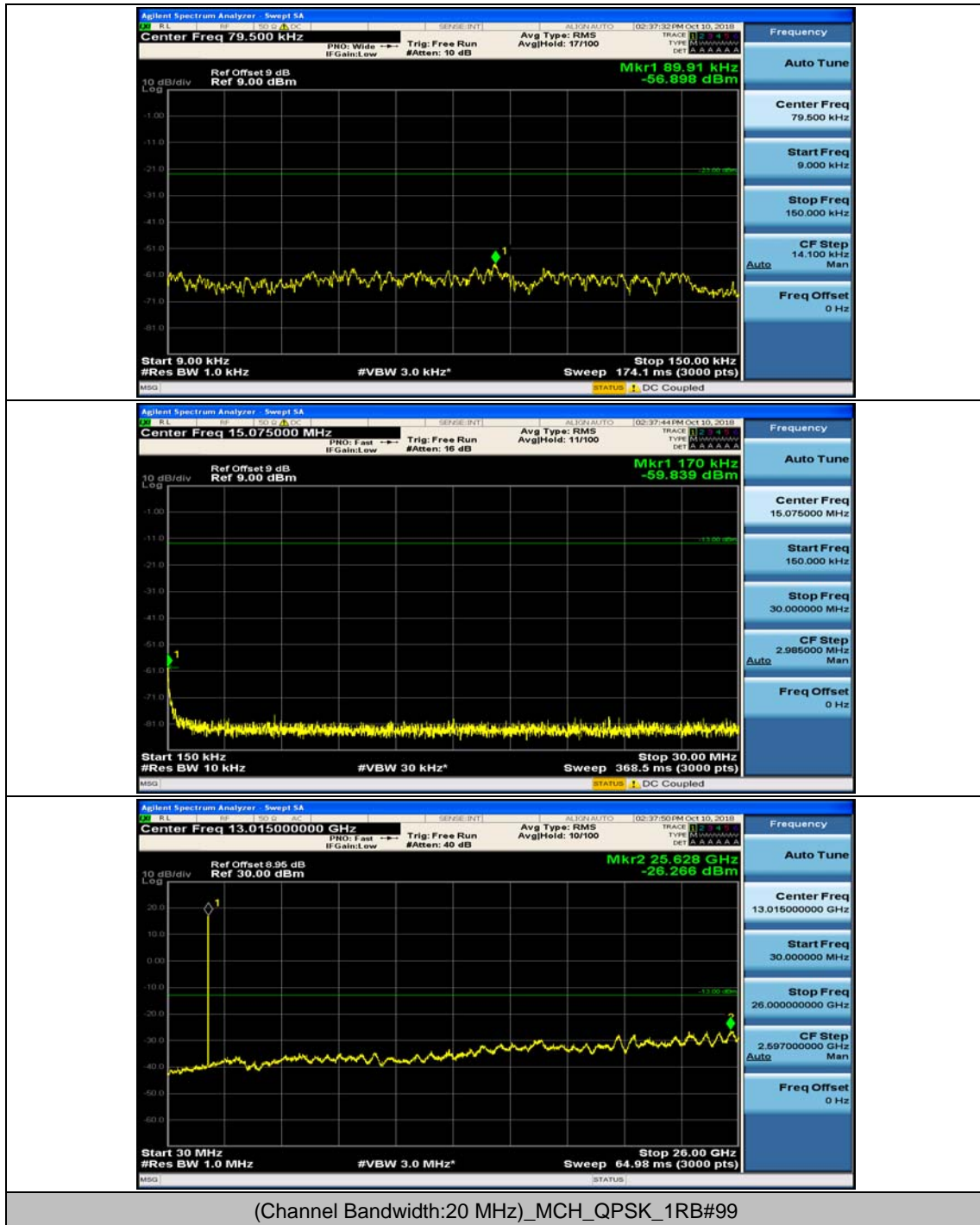


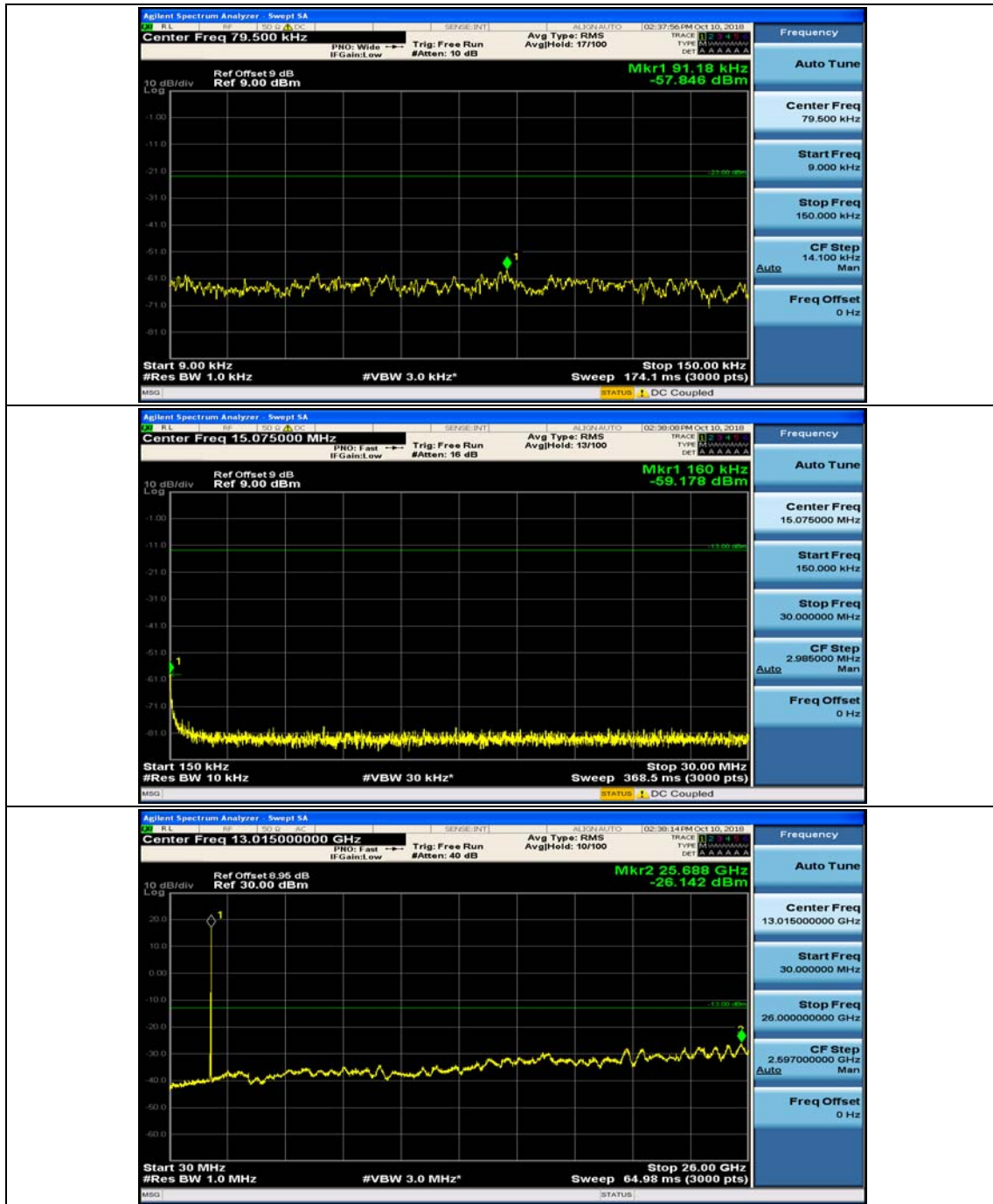


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

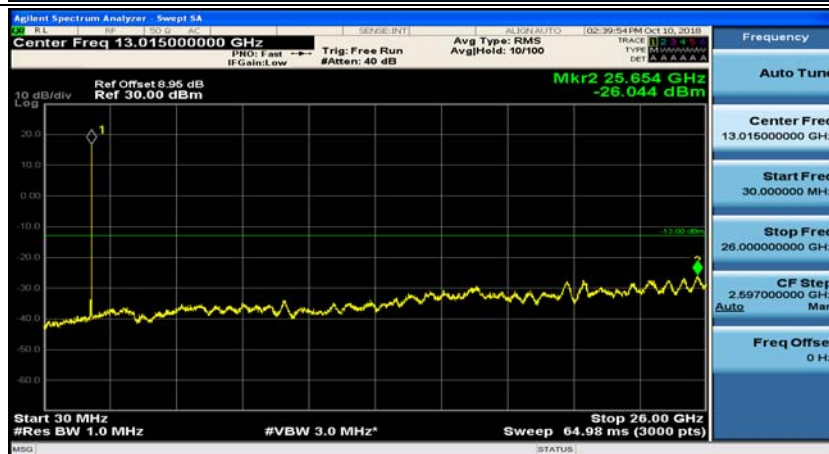
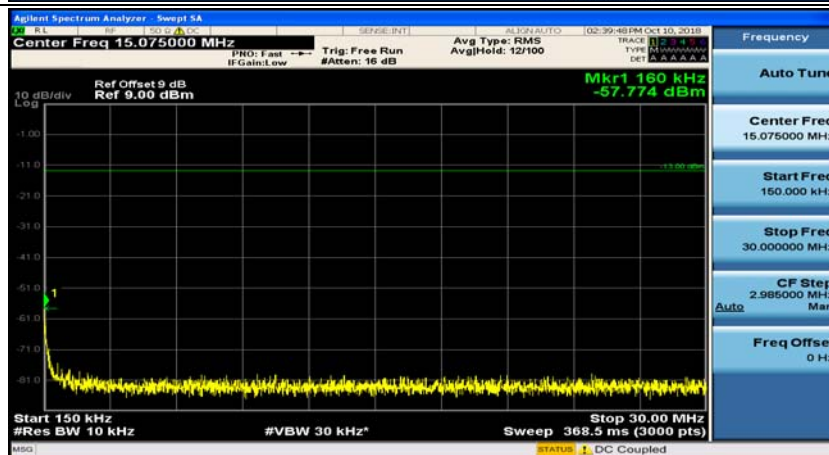


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

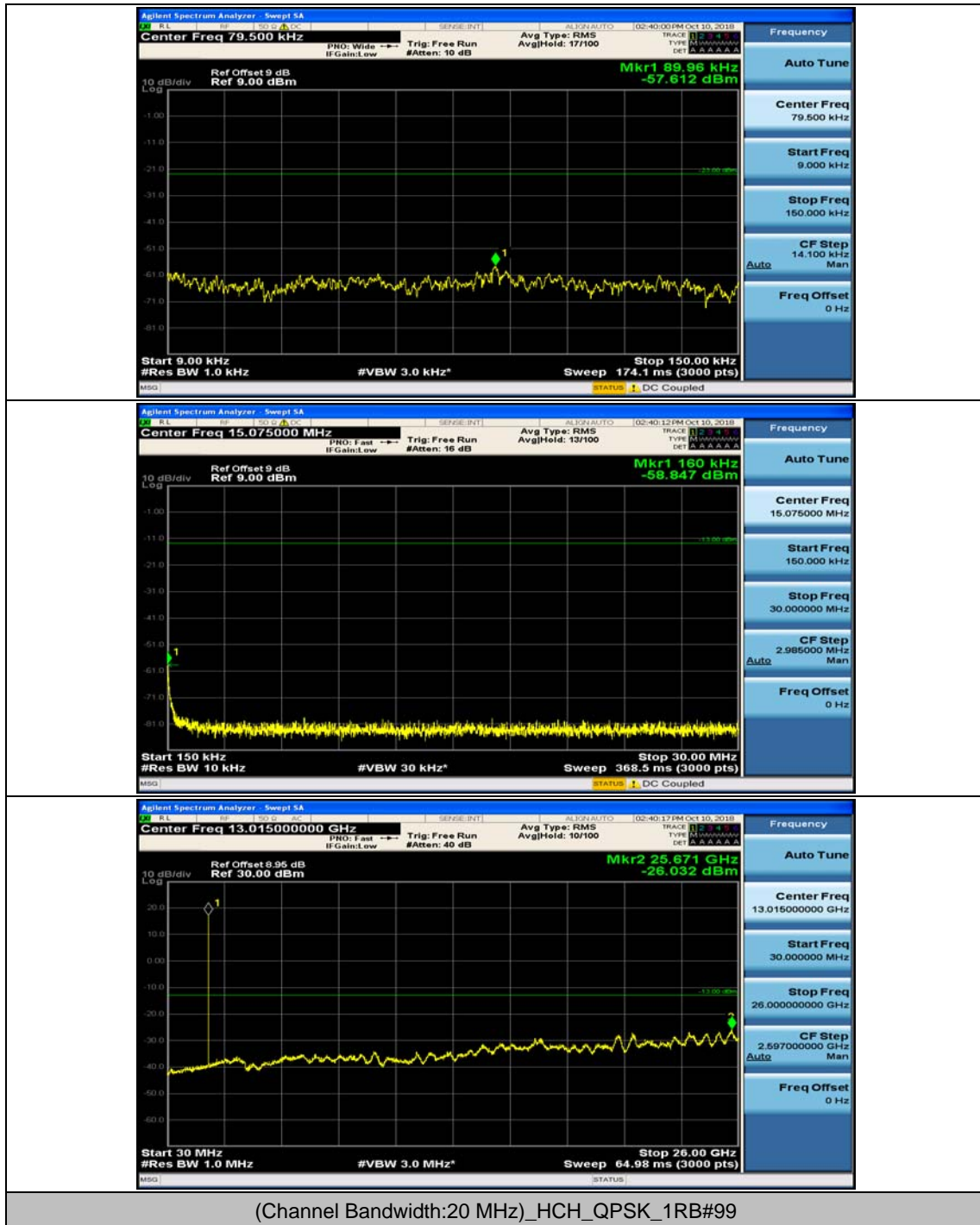


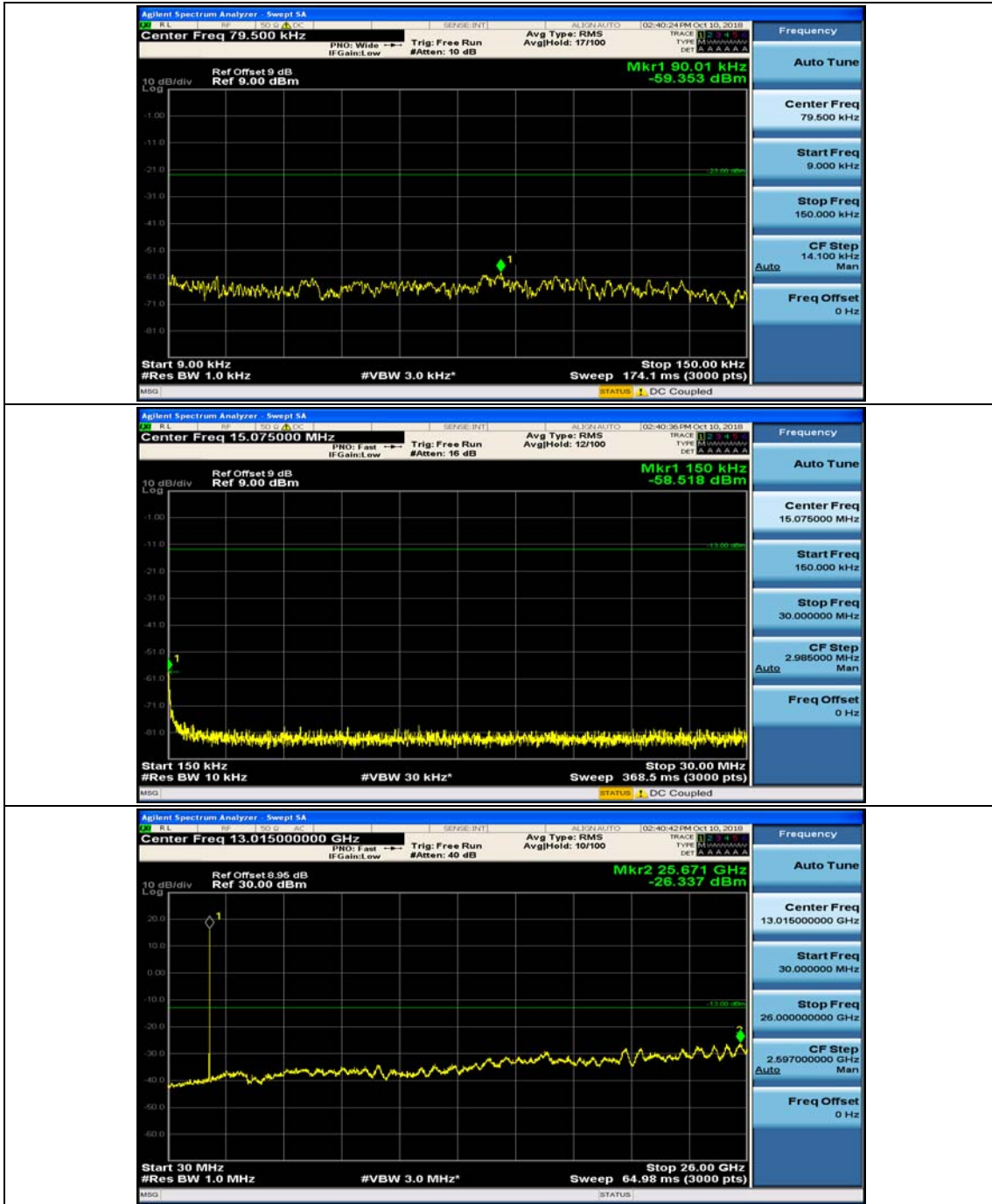


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

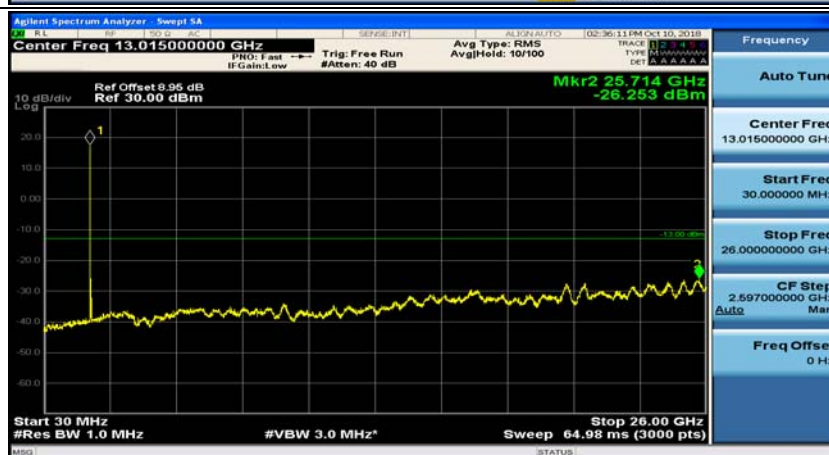
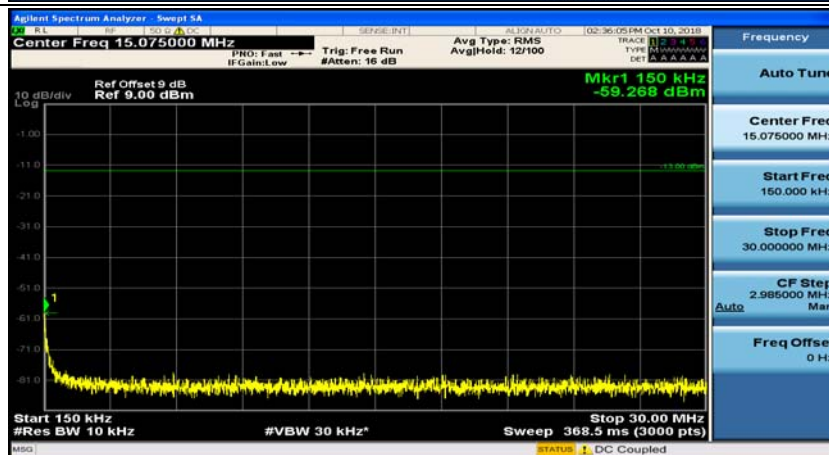


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

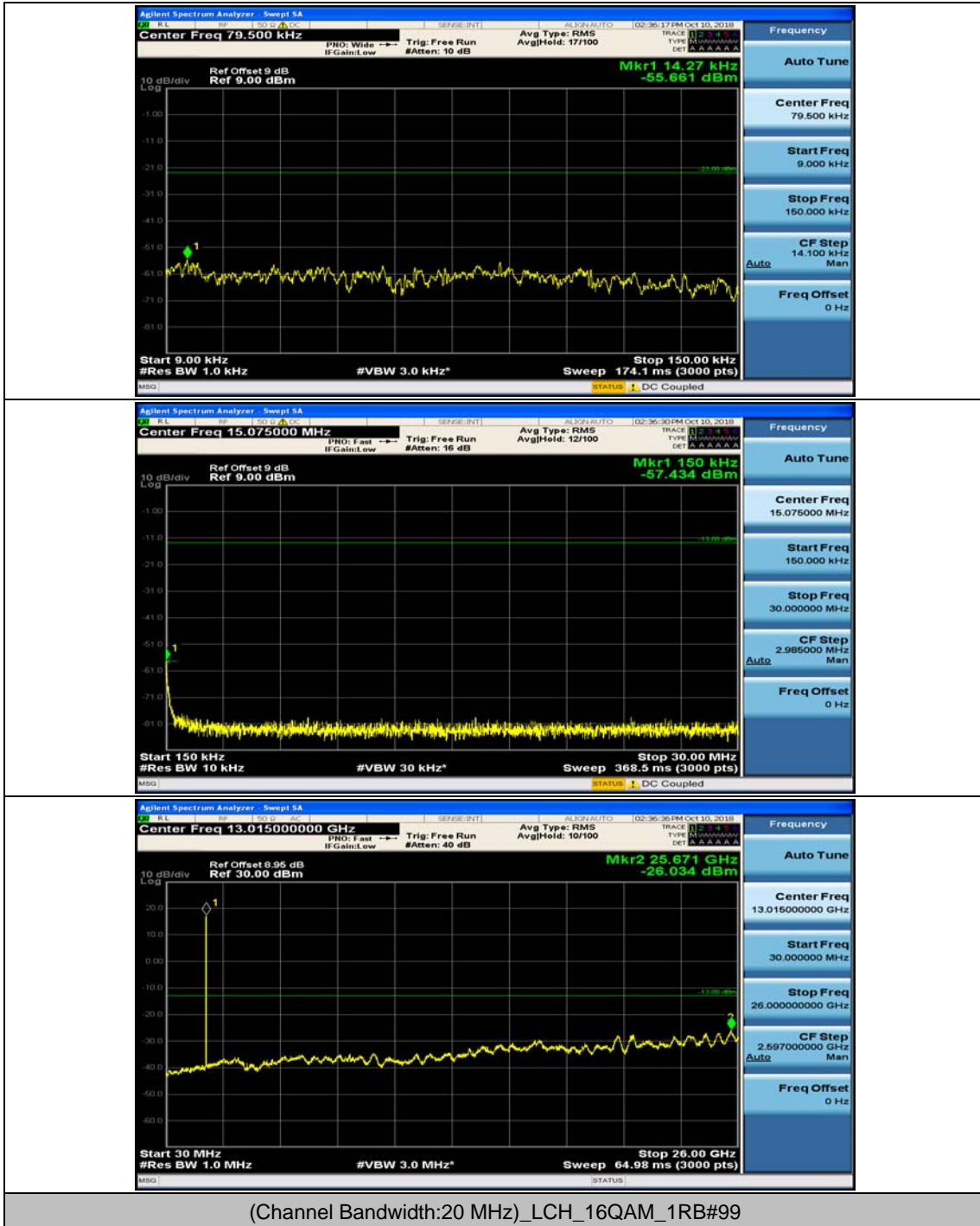


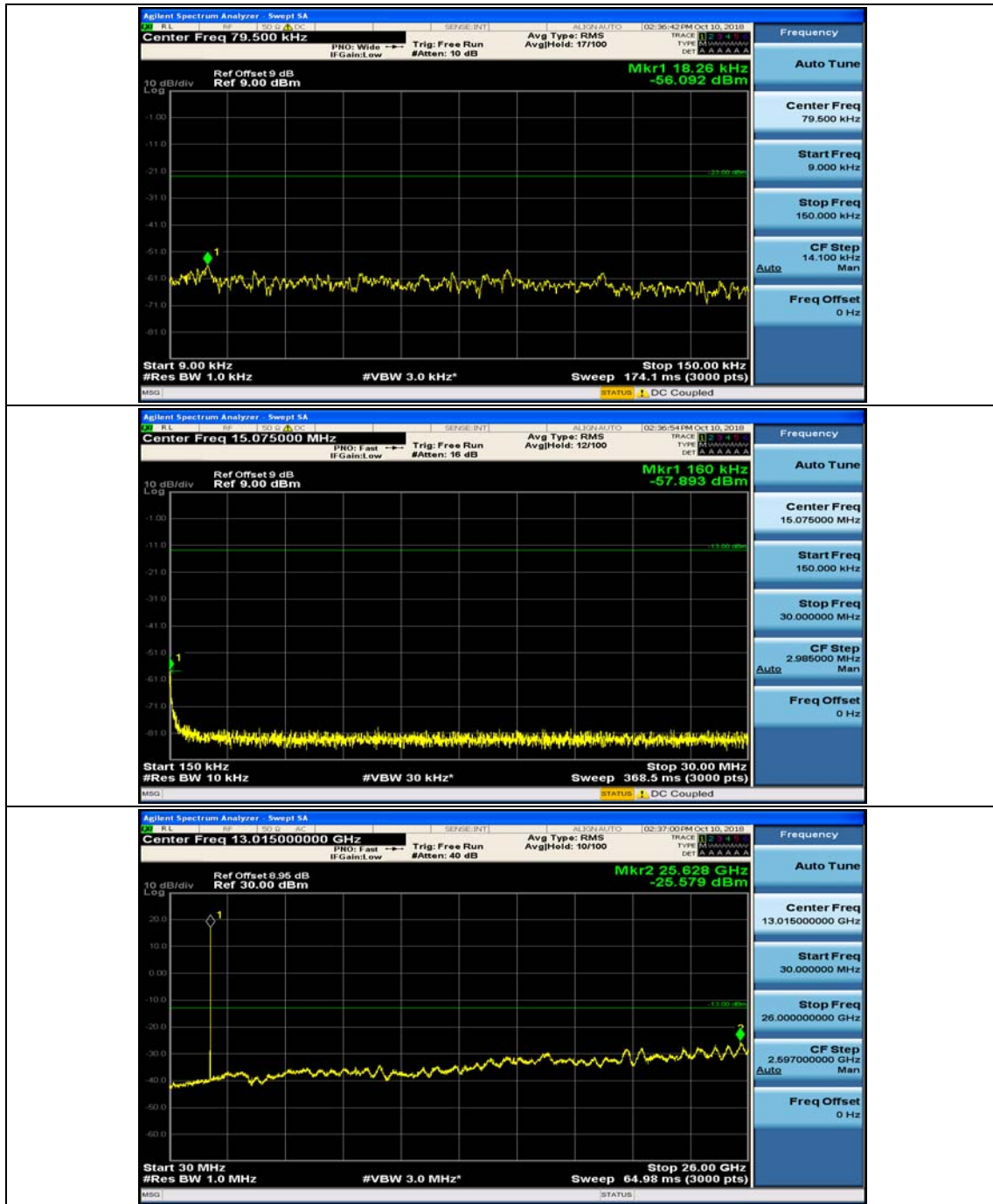


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

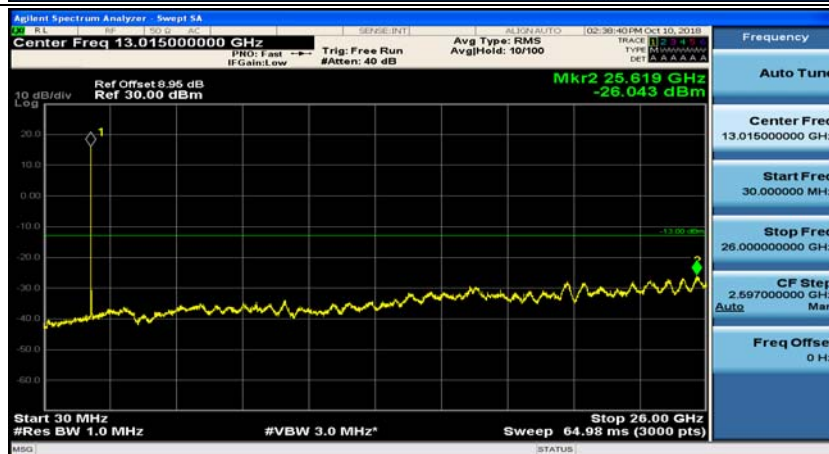
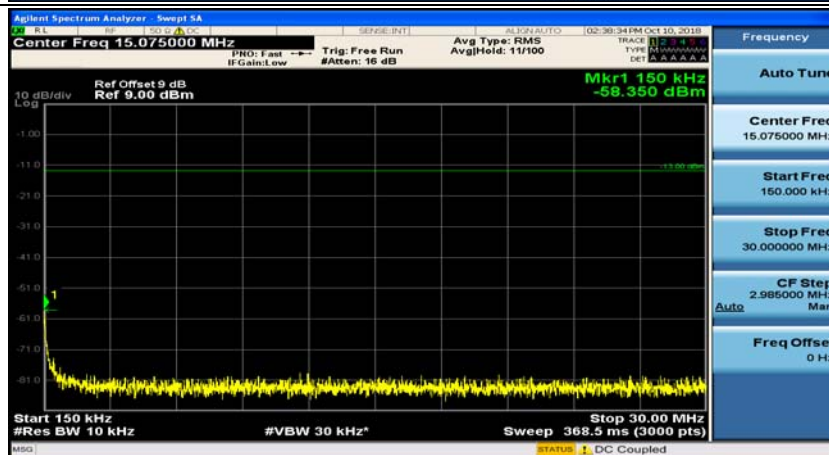
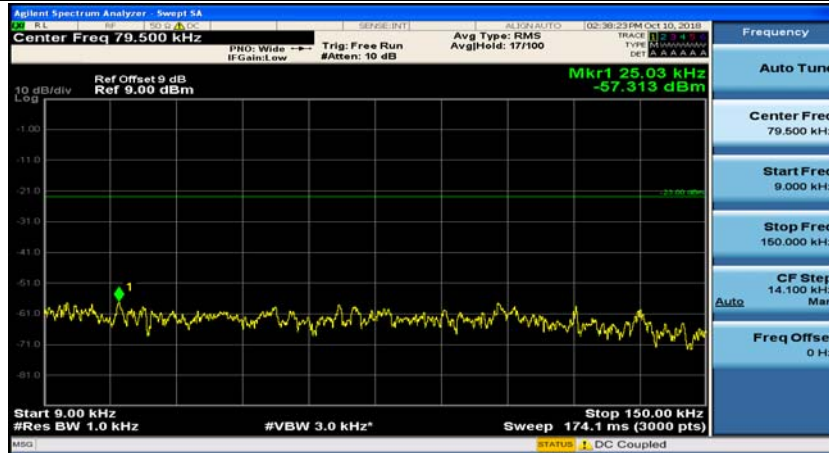


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

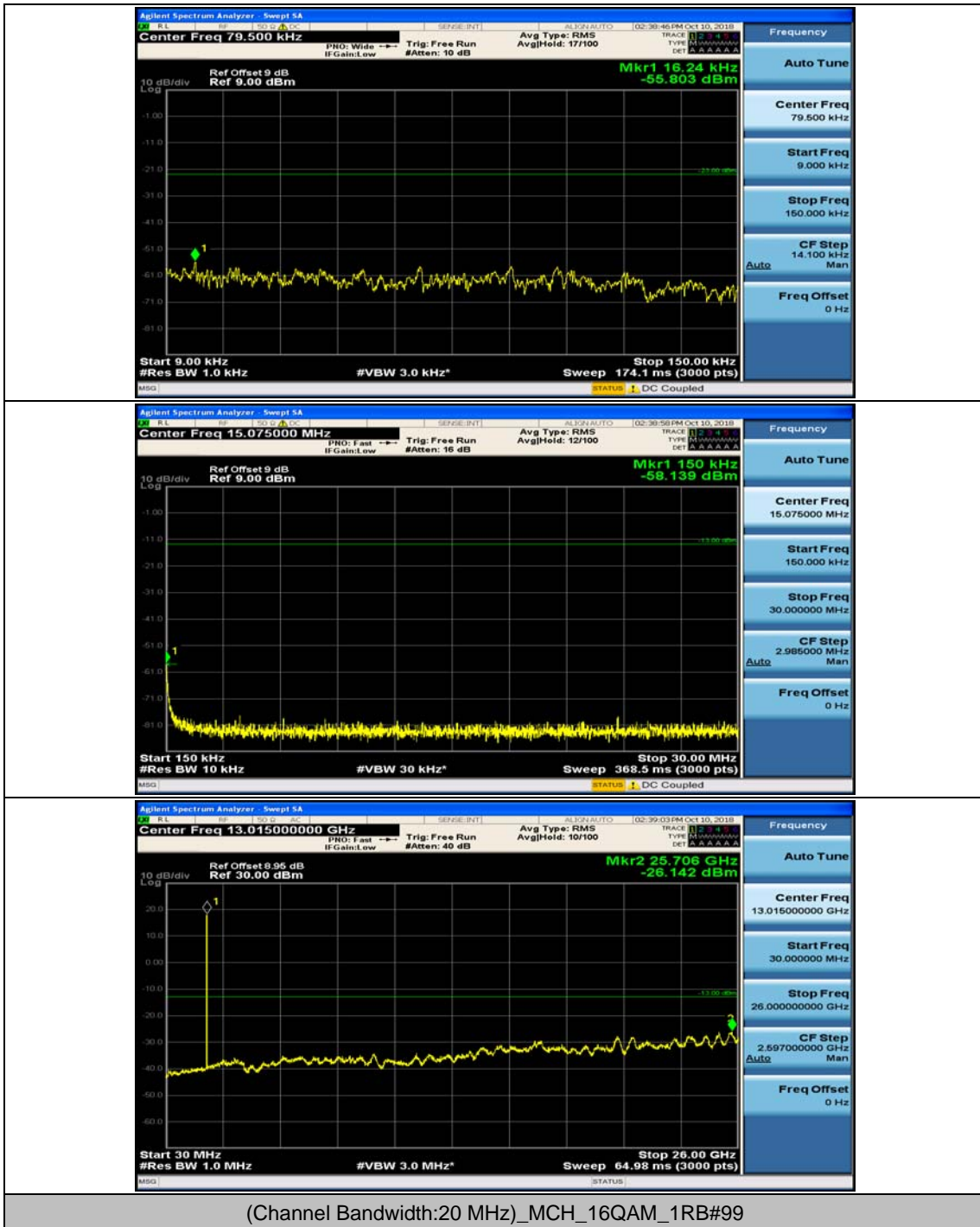


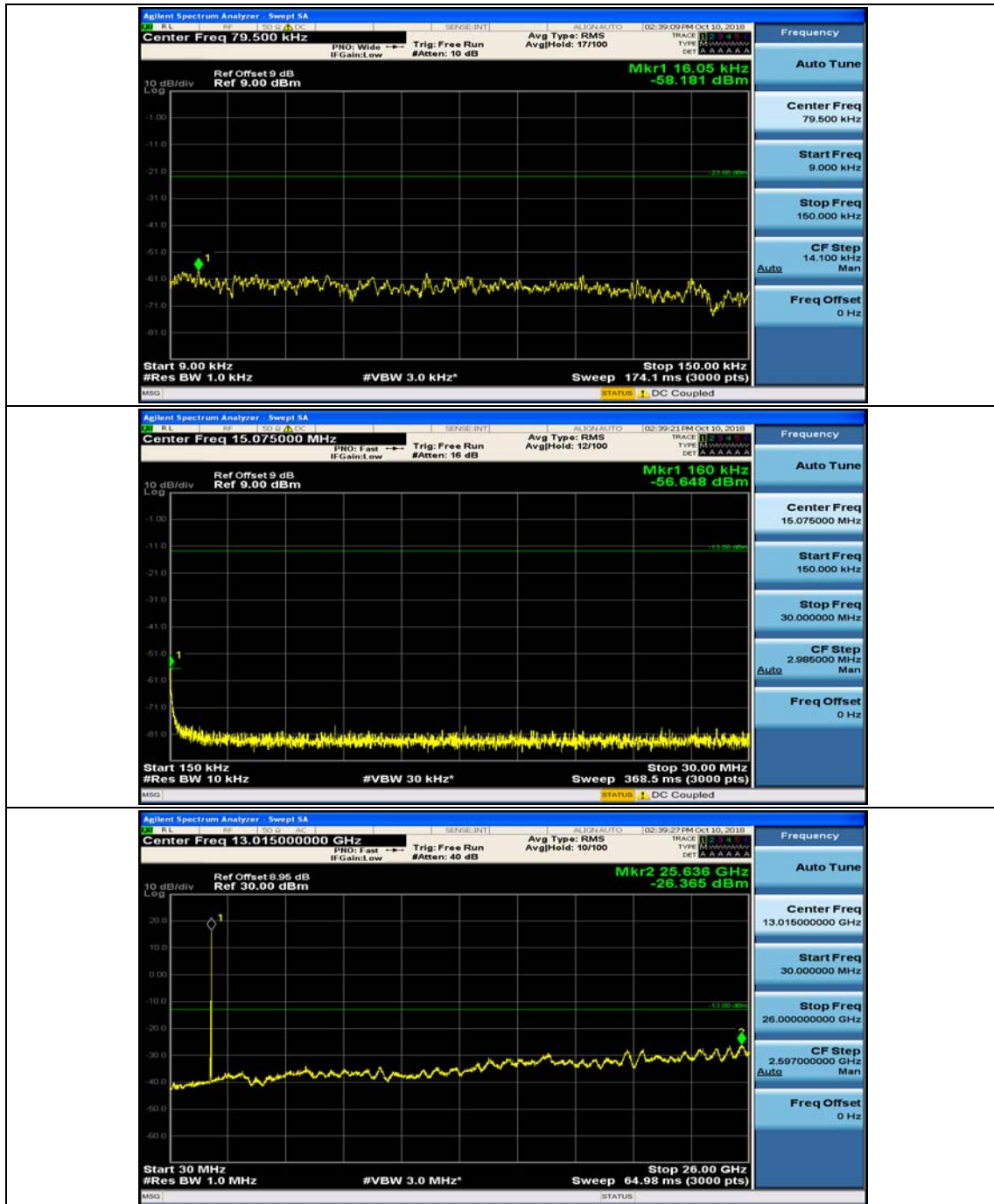


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

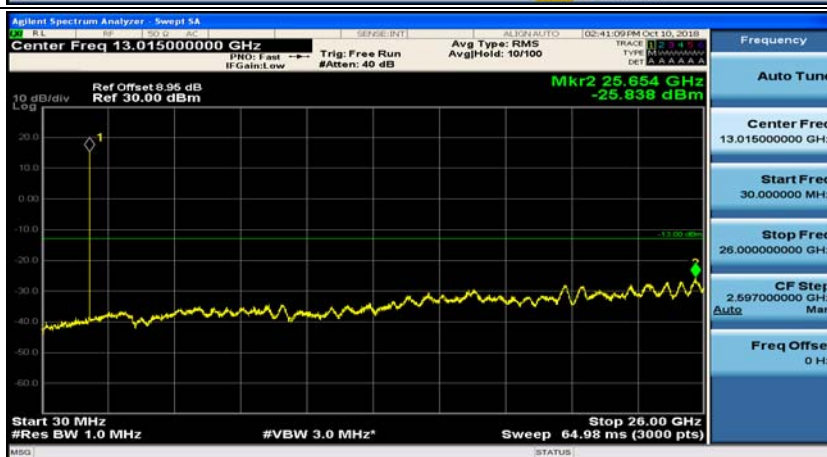
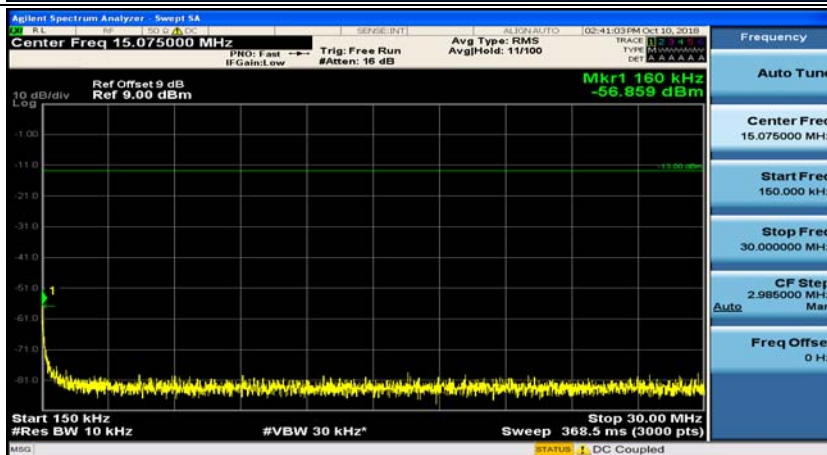
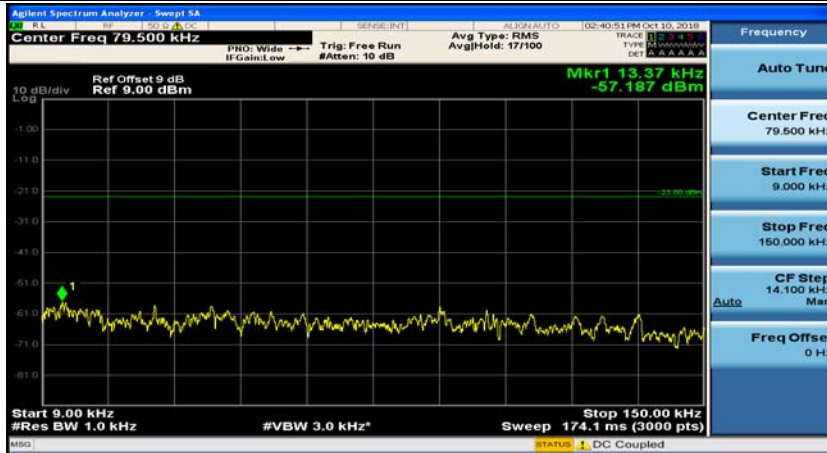


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

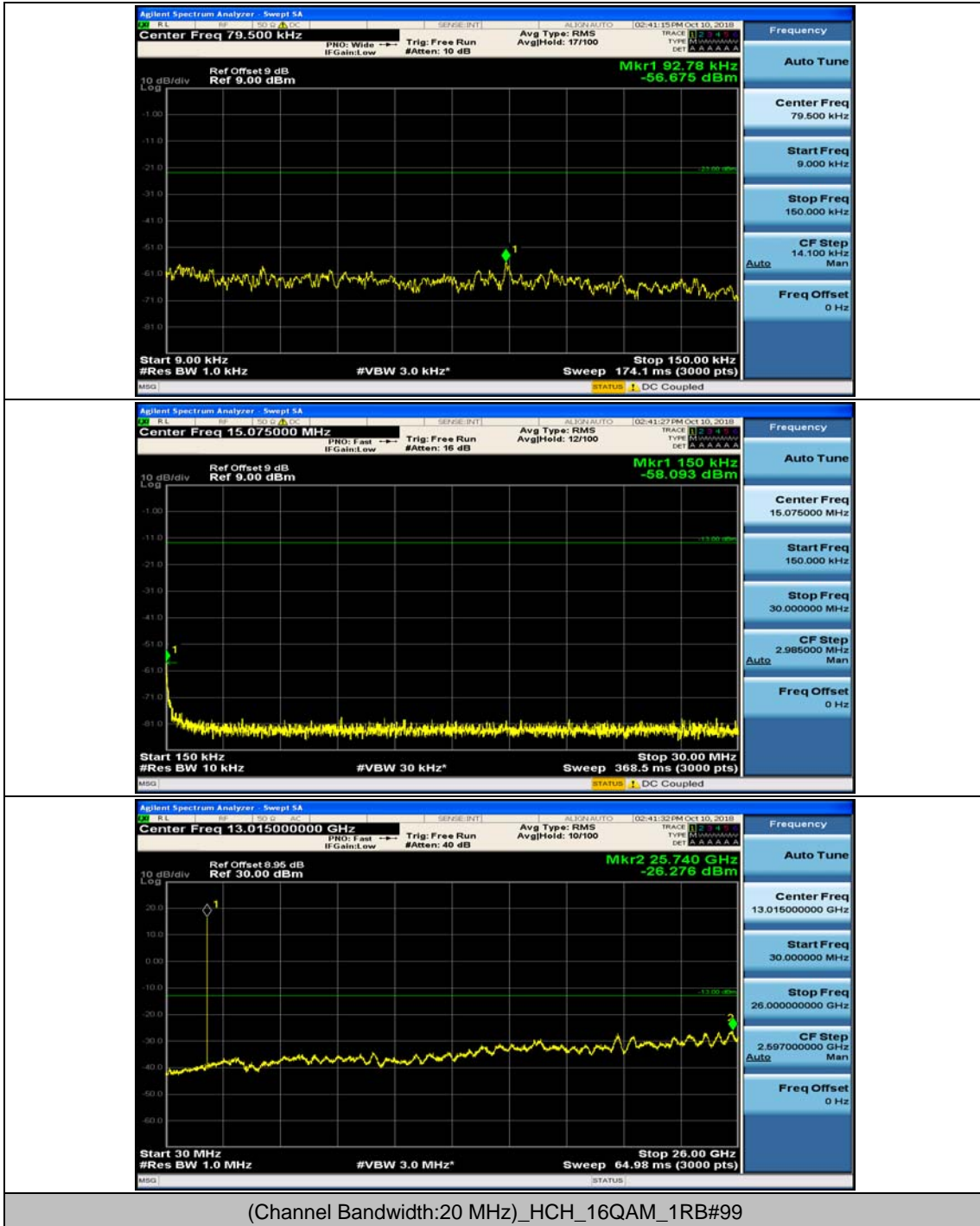


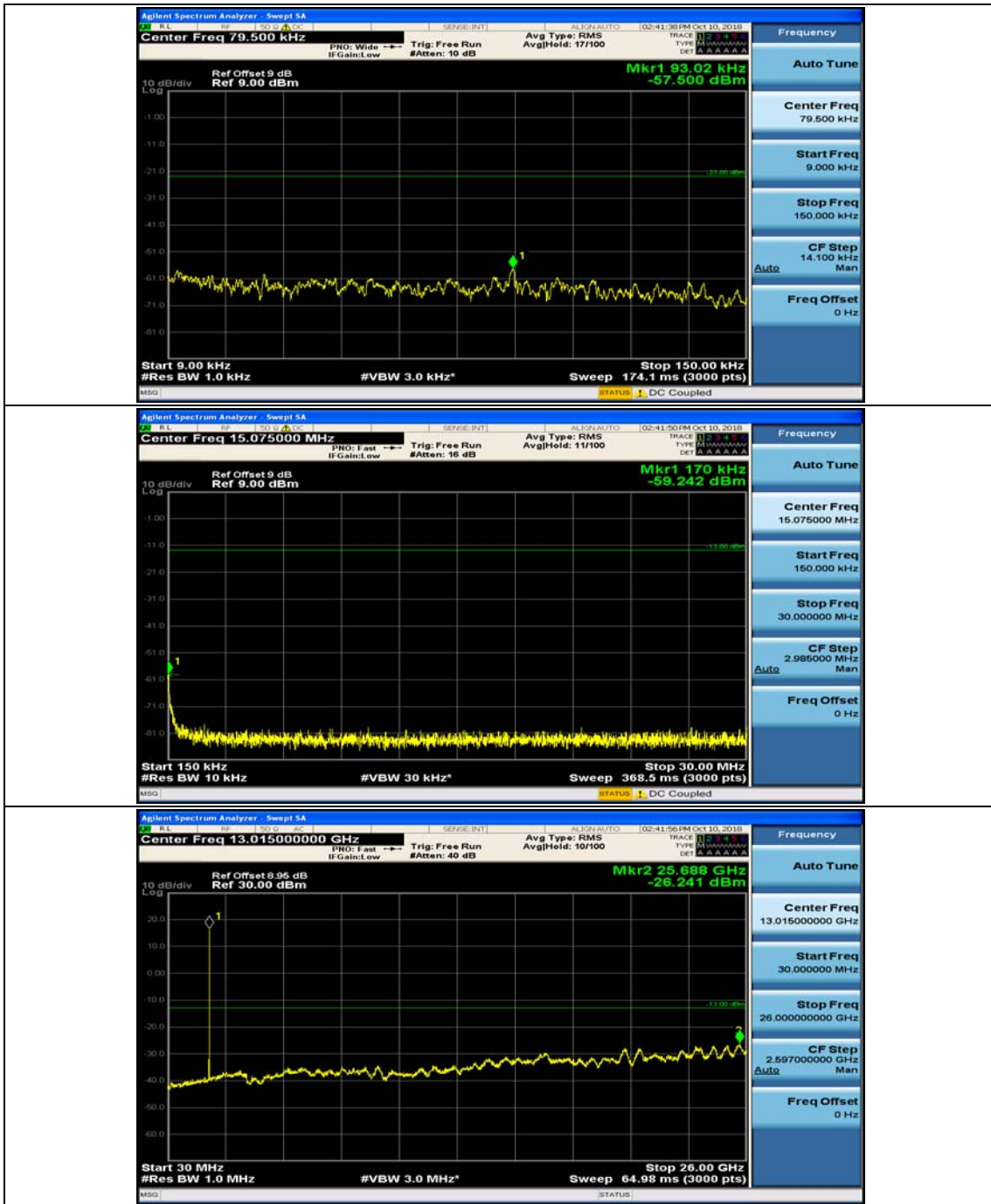


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_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	3.52	0.001902	± 2.5	PASS
		VN	TN	-0.08	-0.000043	± 2.5	PASS
		VH	TN	-0.75	-0.000405	± 2.5	PASS
	MCH	VL	TN	-0.44	-0.000234	± 2.5	PASS
		VN	TN	-0.14	-0.000074	± 2.5	PASS
		VH	TN	1.52	0.000809	± 2.5	PASS
	HCH	VL	TN	2.25	0.001178	± 2.5	PASS
		VN	TN	4.17	0.002184	± 2.5	PASS
		VH	TN	1.48	0.000775	± 2.5	PASS
16QAM	LCH	VL	TN	1.26	0.000681	± 2.5	PASS
		VN	TN	3.55	0.001918	± 2.5	PASS
		VH	TN	4.68	0.002529	± 2.5	PASS
	MCH	VL	TN	3.29	0.001750	± 2.5	PASS
		VN	TN	4.9	0.002606	± 2.5	PASS
		VH	TN	3.03	0.001612	± 2.5	PASS
	HCH	VL	TN	3.34	0.001749	± 2.5	PASS
		VN	TN	0.02	0.000010	± 2.5	PASS
		VH	TN	3.87	0.002027	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.69	-0.000913	± 2.5	PASS
		VN	-20	-0.08	-0.000043	± 2.5	PASS
		VN	-10	-1.76	-0.000951	± 2.5	PASS
		VN	0	0.66	0.000357	± 2.5	PASS
		VN	10	2.4	0.001297	± 2.5	PASS
		VN	20	3.87	0.002091	± 2.5	PASS
		VN	30	4.44	0.002399	± 2.5	PASS
		VN	40	4.46	0.002410	± 2.5	PASS
		VN	50	-1	-0.000540	± 2.5	PASS
	MCH	VN	-30	-0.04	-0.000021	± 2.5	PASS

	VN	-20	1.09	0.000580	± 2.5	PASS	
		VN	-10	2.55	0.001356	± 2.5	PASS
		VN	0	-1.98	-0.001053	± 2.5	PASS
		VN	10	4	0.002128	± 2.5	PASS
		VN	20	4.86	0.002585	± 2.5	PASS
		VN	30	4.64	0.002468	± 2.5	PASS
		VN	40	3.76	0.002000	± 2.5	PASS
		VN	50	1.41	0.000750	± 2.5	PASS
	HCH	VN	-30	-0.25	-0.000131	± 2.5	PASS
		VN	-20	1.99	0.001042	± 2.5	PASS
		VN	-10	0.32	0.000168	± 2.5	PASS
		VN	0	4.12	0.002158	± 2.5	PASS
		VN	10	0.46	0.000241	± 2.5	PASS
		VN	20	3.69	0.001933	± 2.5	PASS
		VN	30	-1.71	-0.000896	± 2.5	PASS
		VN	40	1.07	0.000560	± 2.5	PASS
		VN	50	1.36	0.000712	± 2.5	PASS
		16QAM	LCH	VN	-30	0.73	0.000394
VN	-20			2.9	0.001567	± 2.5	PASS
VN	-10			0.92	0.000497	± 2.5	PASS
VN	0			-1.17	-0.000632	± 2.5	PASS
VN	10			-1.57	-0.000848	± 2.5	PASS
VN	20			0.68	0.000367	± 2.5	PASS
VN	30			0.31	0.000168	± 2.5	PASS
VN	40			-0.49	-0.000265	± 2.5	PASS
VN	50			4.14	0.002237	± 2.5	PASS
MCH	VN		-30	3.72	0.001979	± 2.5	PASS
	VN		-20	2.81	0.001495	± 2.5	PASS
	VN		-10	1.44	0.000766	± 2.5	PASS
	VN		0	0.44	0.000234	± 2.5	PASS
	VN		10	-0.92	-0.000489	± 2.5	PASS
	VN		20	0.01	0.000005	± 2.5	PASS
	VN		30	3.68	0.001957	± 2.5	PASS
	VN		40	2.51	0.001335	± 2.5	PASS
	VN		50	1.08	0.000574	± 2.5	PASS
HCH	VN		-30	2.09	0.001095	± 2.5	PASS
	VN		-20	2.42	0.001267	± 2.5	PASS
	VN		-10	4.87	0.002551	± 2.5	PASS
	VN		0	3.54	0.001854	± 2.5	PASS
	VN		10	-1.39	-0.000728	± 2.5	PASS
	VN		20	-1.04	-0.000545	± 2.5	PASS

		VN	30	-1.22	-0.000639	± 2.5	PASS
		VN	40	4.49	0.002352	± 2.5	PASS
		VN	50	-0.65	-0.000340	± 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	-0.47	-0.000254	± 2.5	PASS
		VN	TN	0.05	0.000027	± 2.5	PASS
		VH	TN	0.62	0.000335	± 2.5	PASS
	MCH	VL	TN	0.23	0.000122	± 2.5	PASS
		VN	TN	4.06	0.002160	± 2.5	PASS
		VH	TN	3.98	0.002117	± 2.5	PASS
	HCH	VL	TN	3.08	0.001614	± 2.5	PASS
		VN	TN	-1.06	-0.000555	± 2.5	PASS
		VH	TN	0.05	0.000026	± 2.5	PASS
16QAM	LCH	VL	TN	-1.34	-0.000724	± 2.5	PASS
		VN	TN	0.69	0.000373	± 2.5	PASS
		VH	TN	2.26	0.001221	± 2.5	PASS
	MCH	VL	TN	3.14	0.001670	± 2.5	PASS
		VN	TN	1.31	0.000697	± 2.5	PASS
		VH	TN	2.81	0.001495	± 2.5	PASS
	HCH	VL	TN	2.13	0.001116	± 2.5	PASS
		VN	TN	-1.19	-0.000624	± 2.5	PASS
		VH	TN	2.69	0.001409	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.79	0.000967	± 2.5	PASS
		VN	-20	-1.14	-0.000616	± 2.5	PASS
		VN	-10	4.31	0.002328	± 2.5	PASS
		VN	0	4.81	0.002598	± 2.5	PASS
		VN	10	1.5	0.000810	± 2.5	PASS
		VN	20	0.77	0.000416	± 2.5	PASS
		VN	30	-0.48	-0.000259	± 2.5	PASS
		VN	40	-0.4	-0.000216	± 2.5	PASS
		VN	50	-1.28	-0.000691	± 2.5	PASS
	MCH	VN	-30	2.69	0.001431	± 2.5	PASS
		VN	-20	3.9	0.002074	± 2.5	PASS

		VN	-10	-0.31	-0.000165	± 2.5	PASS		
		VN	0	4.68	0.002489	± 2.5	PASS		
		VN	10	-1.29	-0.000686	± 2.5	PASS		
		VN	20	3.95	0.002101	± 2.5	PASS		
		VN	30	-1.37	-0.000729	± 2.5	PASS		
		VN	40	2.56	0.001362	± 2.5	PASS		
		VN	50	-0.22	-0.000117	± 2.5	PASS		
	HCH	VN	-30	2.45	0.001284	± 2.5	PASS		
		VN	-20	-0.15	-0.000079	± 2.5	PASS		
		VN	-10	-0.36	-0.000189	± 2.5	PASS		
		VN	0	-0.97	-0.000508	± 2.5	PASS		
		VN	10	-1.18	-0.000618	± 2.5	PASS		
		VN	20	3.93	0.002059	± 2.5	PASS		
		VN	30	1.6	0.000838	± 2.5	PASS		
		VN	40	1.99	0.001043	± 2.5	PASS		
		VN	50	-1.88	-0.000985	± 2.5	PASS		
		16QAM	LCH	VN	-30	2.06	0.001113	± 2.5	PASS
				VN	-20	-0.61	-0.000329	± 2.5	PASS
VN	-10			-0.56	-0.000302	± 2.5	PASS		
VN	0			-1.1	-0.000594	± 2.5	PASS		
VN	10			3.88	0.002096	± 2.5	PASS		
VN	20			3.17	0.001712	± 2.5	PASS		
VN	30			3.39	0.001831	± 2.5	PASS		
VN	40			0.2	0.000108	± 2.5	PASS		
VN	50			0.95	0.000513	± 2.5	PASS		
MCH	VN		-30	-1.07	-0.000569	± 2.5	PASS		
	VN		-20	4.07	0.002165	± 2.5	PASS		
	VN		-10	-0.65	-0.000346	± 2.5	PASS		
	VN		0	-0.16	-0.000085	± 2.5	PASS		
	VN		10	2.26	0.001202	± 2.5	PASS		
	VN		20	0.05	0.000027	± 2.5	PASS		
	VN		30	-0.93	-0.000495	± 2.5	PASS		
	VN		40	2.83	0.001505	± 2.5	PASS		
	VN		50	1.62	0.000862	± 2.5	PASS		
HCH	VN		-30	1.4	0.000734	± 2.5	PASS		
	VN		-20	0.34	0.000178	± 2.5	PASS		
	VN		-10	2.5	0.001310	± 2.5	PASS		
	VN		0	2.09	0.001095	± 2.5	PASS		
	VN		10	1.92	0.001006	± 2.5	PASS		
	VN		20	4.08	0.002138	± 2.5	PASS		
	VN		30	-1	-0.000524	± 2.5	PASS		

		VN	40	2.01	0.001053	± 2.5	PASS
		VN	50	-1.99	-0.001043	± 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	2.95	0.001592	± 2.5	PASS
		VN	TN	0.94	0.000507	± 2.5	PASS
		VH	TN	1.26	0.000680	± 2.5	PASS
	MCH	VL	TN	2.55	0.001356	± 2.5	PASS
		VN	TN	0.97	0.000516	± 2.5	PASS
		VH	TN	-0.12	-0.000064	± 2.5	PASS
	HCH	VL	TN	-1.17	-0.000613	± 2.5	PASS
		VN	TN	-1.76	-0.000923	± 2.5	PASS
		VH	TN	4.3	0.002254	± 2.5	PASS
16QAM	LCH	VL	TN	4.51	0.002435	± 2.5	PASS
		VN	TN	0.5	0.000270	± 2.5	PASS
		VH	TN	1.11	0.000599	± 2.5	PASS
	MCH	VL	TN	0.07	0.000037	± 2.5	PASS
		VN	TN	-0.69	-0.000367	± 2.5	PASS
		VH	TN	3.56	0.001894	± 2.5	PASS
	HCH	VL	TN	2.15	0.001127	± 2.5	PASS
		VN	TN	3.8	0.001992	± 2.5	PASS
		VH	TN	2.9	0.001520	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.05	0.002186	± 2.5	PASS
		VN	-20	0.53	0.000286	± 2.5	PASS
		VN	-10	-1.32	-0.000713	± 2.5	PASS
		VN	0	0.82	0.000443	± 2.5	PASS
		VN	10	2.23	0.001204	± 2.5	PASS
		VN	20	4.19	0.002262	± 2.5	PASS
		VN	30	-0.95	-0.000513	± 2.5	PASS
		VN	40	4.64	0.002505	± 2.5	PASS
		VN	50	-0.46	-0.000248	± 2.5	PASS
	MCH	VN	-30	2.97	0.001580	± 2.5	PASS
		VN	-20	1.13	0.000601	± 2.5	PASS
		VN	-10	4.55	0.002420	± 2.5	PASS

	VN	0	-1.84	-0.000979	± 2.5	PASS		
		10	4.1	0.002181	± 2.5	PASS		
		20	-0.21	-0.000112	± 2.5	PASS		
		30	3.27	0.001739	± 2.5	PASS		
		40	2.59	0.001378	± 2.5	PASS		
		50	-0.67	-0.000356	± 2.5	PASS		
	HCH	VN	-30	-0.97	-0.000509	± 2.5	PASS	
		VN	-20	-0.44	-0.000231	± 2.5	PASS	
		VN	-10	4.49	0.002354	± 2.5	PASS	
		VN	0	-0.65	-0.000341	± 2.5	PASS	
		VN	10	-1.26	-0.000661	± 2.5	PASS	
		VN	20	0.83	0.000435	± 2.5	PASS	
		VN	30	0.98	0.000514	± 2.5	PASS	
		VN	40	3.82	0.002003	± 2.5	PASS	
	VN	50	1.37	0.000718	± 2.5	PASS		
	16QAM	LCH	VN	-30	3.05	0.001646	± 2.5	PASS
			VN	-20	2.42	0.001306	± 2.5	PASS
			VN	-10	4.14	0.002235	± 2.5	PASS
VN			0	3.77	0.002035	± 2.5	PASS	
VN			10	2.61	0.001409	± 2.5	PASS	
VN			20	1.39	0.000750	± 2.5	PASS	
VN			30	-1.87	-0.001009	± 2.5	PASS	
VN			40	1.93	0.001042	± 2.5	PASS	
VN			50	4.3	0.002321	± 2.5	PASS	
MCH		VN	-30	-1.43	-0.000761	± 2.5	PASS	
		VN	-20	1.71	0.000910	± 2.5	PASS	
		VN	-10	-0.21	-0.000112	± 2.5	PASS	
		VN	0	3.8	0.002021	± 2.5	PASS	
		VN	10	4.67	0.002484	± 2.5	PASS	
		VN	20	0.71	0.000378	± 2.5	PASS	
		VN	30	-0.07	-0.000037	± 2.5	PASS	
		VN	40	2.77	0.001473	± 2.5	PASS	
		VN	50	5	0.002660	± 2.5	PASS	
HCH		VN	-30	2.38	0.001248	± 2.5	PASS	
		VN	-20	2.5	0.001311	± 2.5	PASS	
		VN	-10	3.4	0.001782	± 2.5	PASS	
		VN	0	2.32	0.001216	± 2.5	PASS	
		VN	10	-1.98	-0.001038	± 2.5	PASS	
		VN	20	-1.76	-0.000923	± 2.5	PASS	
		VN	30	2.86	0.001499	± 2.5	PASS	
		VN	40	2.89	0.001515	± 2.5	PASS	

		VN	50	1.65	0.000865	± 2.5	PASS
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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	4.51	0.002431	± 2.5	PASS
		VN	TN	0.07	0.000038	± 2.5	PASS
		VH	TN	1.65	0.000889	± 2.5	PASS
	MCH	VL	TN	-0.07	-0.000037	± 2.5	PASS
		VN	TN	0.49	0.000261	± 2.5	PASS
		VH	TN	4.2	0.002234	± 2.5	PASS
	HCH	VL	TN	-1.97	-0.001034	± 2.5	PASS
		VN	TN	4.14	0.002173	± 2.5	PASS
		VH	TN	3.7	0.001942	± 2.5	PASS
16QAM	LCH	VL	TN	1.94	0.001046	± 2.5	PASS
		VN	TN	-0.22	-0.000119	± 2.5	PASS
		VH	TN	4.37	0.002356	± 2.5	PASS
	MCH	VL	TN	-1.36	-0.000723	± 2.5	PASS
		VN	TN	1	0.000532	± 2.5	PASS
		VH	TN	-0.72	-0.000383	± 2.5	PASS
	HCH	VL	TN	-1.12	-0.000588	± 2.5	PASS
		VN	TN	-1.31	-0.000688	± 2.5	PASS
		VH	TN	-1.26	-0.000661	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-1.16	-0.000625	± 2.5	PASS
		VN	-20	2.65	0.001429	± 2.5	PASS
		VN	-10	-0.97	-0.000523	± 2.5	PASS
		VN	0	1.5	0.000809	± 2.5	PASS
		VN	10	-0.16	-0.000086	± 2.5	PASS
		VN	20	2.4	0.001294	± 2.5	PASS
		VN	30	4.57	0.002464	± 2.5	PASS
		VN	40	0.92	0.000496	± 2.5	PASS
		VN	50	-0.69	-0.000372	± 2.5	PASS
	MCH	VN	-30	1.19	0.000633	± 2.5	PASS
		VN	-20	4.88	0.002596	± 2.5	PASS
		VN	-10	4.18	0.002223	± 2.5	PASS
		VN	0	1.44	0.000766	± 2.5	PASS

		VN	10	-0.86	-0.000457	± 2.5	PASS
		VN	20	2.97	0.001580	± 2.5	PASS
		VN	30	0.64	0.000340	± 2.5	PASS
		VN	40	4.71	0.002505	± 2.5	PASS
		VN	50	3.98	0.002117	± 2.5	PASS
	HCH	VN	-30	-1.39	-0.000730	± 2.5	PASS
		VN	-20	1.13	0.000593	± 2.5	PASS
		VN	-10	4.83	0.002535	± 2.5	PASS
		VN	0	3.29	0.001727	± 2.5	PASS
		VN	10	-0.16	-0.000084	± 2.5	PASS
		VN	20	0.06	0.000031	± 2.5	PASS
		VN	30	2.78	0.001459	± 2.5	PASS
		VN	40	0.9	0.000472	± 2.5	PASS
		VN	50	2.1	0.001102	± 2.5	PASS
		QPSK	LCH	VN	-30	0.81	0.000437
VN	-20			4.9	0.002642	± 2.5	PASS
VN	-10			-0.9	-0.000485	± 2.5	PASS
VN	0			2.72	0.001466	± 2.5	PASS
VN	10			0.08	0.000043	± 2.5	PASS
VN	20			1.2	0.000647	± 2.5	PASS
VN	30			2.53	0.001364	± 2.5	PASS
VN	40			1.83	0.000987	± 2.5	PASS
VN	50			2.62	0.001412	± 2.5	PASS
MCH	VN		-30	4.9	0.002606	± 2.5	PASS
	VN		-20	2.26	0.001202	± 2.5	PASS
	VN		-10	-1.93	-0.001027	± 2.5	PASS
	VN		0	-0.81	-0.000431	± 2.5	PASS
	VN		10	-0.8	-0.000426	± 2.5	PASS
	VN		20	1.96	0.001043	± 2.5	PASS
	VN		30	-0.79	-0.000420	± 2.5	PASS
	VN		40	1.3	0.000691	± 2.5	PASS
	VN		50	3	0.001596	± 2.5	PASS
HCH	VN		-30	3.59	0.001885	± 2.5	PASS
	VN		-20	-0.06	-0.000031	± 2.5	PASS
	VN		-10	0.79	0.000415	± 2.5	PASS
	VN		0	0.55	0.000289	± 2.5	PASS
	VN		10	1.67	0.000877	± 2.5	PASS
	VN		20	4.7	0.002467	± 2.5	PASS
	VN		30	4.74	0.002488	± 2.5	PASS
	VN		40	-1.57	-0.000824	± 2.5	PASS
	VN		50	1.91	0.001003	± 2.5	PASS

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	-1.02	-0.000550	± 2.5	PASS
		VN	TN	0.36	0.000194	± 2.5	PASS
		VH	TN	-1.72	-0.000927	± 2.5	PASS
	MCH	VL	TN	1.06	0.000564	± 2.5	PASS
		VN	TN	-0.3	-0.000160	± 2.5	PASS
		VH	TN	3.74	0.001989	± 2.5	PASS
	HCH	VL	TN	0.24	0.000126	± 2.5	PASS
		VN	TN	2.72	0.001428	± 2.5	PASS
		VH	TN	3.23	0.001696	± 2.5	PASS
16QAM	LCH	VL	TN	4.12	0.002221	± 2.5	PASS
		VN	TN	3.27	0.001763	± 2.5	PASS
		VH	TN	3.76	0.002027	± 2.5	PASS
	MCH	VL	TN	1.99	0.001059	± 2.5	PASS
		VN	TN	-0.77	-0.000410	± 2.5	PASS
		VH	TN	2.21	0.001176	± 2.5	PASS
	HCH	VL	TN	0.83	0.000436	± 2.5	PASS
		VN	TN	-1.69	-0.000887	± 2.5	PASS
		VH	TN	-1.24	-0.000651	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.58	0.002466	± 2.5	PASS
		VN	-20	2.15	0.001157	± 2.5	PASS
		VN	-10	-0.2	-0.000108	± 2.5	PASS
		VN	0	-0.82	-0.000441	± 2.5	PASS
		VN	10	4.91	0.002643	± 2.5	PASS
		VN	20	3	0.001615	± 2.5	PASS
		VN	30	3.79	0.002040	± 2.5	PASS
		VN	40	-1.91	-0.001028	± 2.5	PASS
		VN	50	4.23	0.002277	± 2.5	PASS
	MCH	VN	-30	3.62	0.001926	± 2.5	PASS
		VN	-20	-0.52	-0.000277	± 2.5	PASS
		VN	-10	3.9	0.002074	± 2.5	PASS
		VN	0	0.69	0.000367	± 2.5	PASS
		VN	10	2.43	0.001293	± 2.5	PASS
		VN	20	-0.31	-0.000165	± 2.5	PASS

		VN	30	-1.19	-0.000633	± 2.5	PASS
		VN	40	0.56	0.000298	± 2.5	PASS
		VN	50	3.92	0.002085	± 2.5	PASS
	HCH	VN	-30	1.18	0.000620	± 2.5	PASS
		VN	-20	-0.4	-0.000210	± 2.5	PASS
		VN	-10	4.03	0.002118	± 2.5	PASS
		VN	0	-1.08	-0.000568	± 2.5	PASS
		VN	10	2.49	0.001309	± 2.5	PASS
		VN	20	3.43	0.001803	± 2.5	PASS
		VN	30	0.28	0.000147	± 2.5	PASS
		VN	40	3.72	0.001955	± 2.5	PASS
		VN	50	0.1	0.000053	± 2.5	PASS
16QAM	LCH	VN	-30	3.91	0.002105	± 2.5	PASS
		VN	-20	-1.04	-0.000560	± 2.5	PASS
		VN	-10	3.05	0.001642	± 2.5	PASS
		VN	0	2.98	0.001604	± 2.5	PASS
		VN	10	3.16	0.001701	± 2.5	PASS
		VN	20	3.33	0.001793	± 2.5	PASS
		VN	30	4.12	0.002218	± 2.5	PASS
		VN	40	2.5	0.001346	± 2.5	PASS
		VN	50	-1.32	-0.000711	± 2.5	PASS
	MCH	VN	-30	-1.77	-0.000941	± 2.5	PASS
		VN	-20	4.11	0.002186	± 2.5	PASS
		VN	-10	-0.92	-0.000489	± 2.5	PASS
		VN	0	-1.47	-0.000782	± 2.5	PASS
		VN	10	1	0.000532	± 2.5	PASS
		VN	20	0.45	0.000239	± 2.5	PASS
		VN	30	1.87	0.000995	± 2.5	PASS
		VN	40	-1.4	-0.000745	± 2.5	PASS
		VN	50	2.05	0.001090	± 2.5	PASS
	HCH	VN	-30	3.27	0.001719	± 2.5	PASS
		VN	-20	2.22	0.001167	± 2.5	PASS
		VN	-10	4.77	0.002507	± 2.5	PASS
		VN	0	0.9	0.000473	± 2.5	PASS
		VN	10	2.24	0.001177	± 2.5	PASS
		VN	20	4.34	0.002281	± 2.5	PASS
		VN	30	-0.33	-0.000173	± 2.5	PASS
		VN	40	-0.33	-0.000173	± 2.5	PASS
		VN	50	1.19	0.000625	± 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	2.3	0.001237	± 2.5	PASS
		VN	TN	2.65	0.001425	± 2.5	PASS
		VH	TN	-1.25	-0.000672	± 2.5	PASS
	MCH	VL	TN	0.45	0.000239	± 2.5	PASS
		VN	TN	-1.32	-0.000702	± 2.5	PASS
		VH	TN	-1.25	-0.000665	± 2.5	PASS
	HCH	VL	TN	2.12	0.001116	± 2.5	PASS
		VN	TN	-1.94	-0.001021	± 2.5	PASS
		VH	TN	0.85	0.000447	± 2.5	PASS
16QAM	LCH	VL	TN	3.27	0.001758	± 2.5	PASS
		VN	TN	-0.72	-0.000387	± 2.5	PASS
		VH	TN	-1.83	-0.000984	± 2.5	PASS
	MCH	VL	TN	-1.35	-0.000718	± 2.5	PASS
		VN	TN	3.12	0.001660	± 2.5	PASS
		VH	TN	0.85	0.000452	± 2.5	PASS
	HCH	VL	TN	3.75	0.001974	± 2.5	PASS
		VN	TN	2.38	0.001253	± 2.5	PASS
		VH	TN	2.14	0.001126	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.1	0.001129	± 2.5	PASS
		VN	-20	-1.14	-0.000613	± 2.5	PASS
		VN	-10	-0.39	-0.000210	± 2.5	PASS
		VN	0	2.68	0.001441	± 2.5	PASS
		VN	10	4.88	0.002624	± 2.5	PASS
		VN	20	3.01	0.001618	± 2.5	PASS
		VN	30	-0.26	-0.000140	± 2.5	PASS
		VN	40	2.14	0.001151	± 2.5	PASS
		VN	50	-0.8	-0.000430	± 2.5	PASS
	MCH	VN	-30	-1.67	-0.000888	± 2.5	PASS
		VN	-20	-1.21	-0.000644	± 2.5	PASS
		VN	-10	3.16	0.001681	± 2.5	PASS
		VN	0	1.75	0.000931	± 2.5	PASS
		VN	10	1.01	0.000537	± 2.5	PASS
		VN	20	-0.75	-0.000399	± 2.5	PASS

		VN	30	1.86	0.000989	± 2.5	PASS
		VN	40	-0.1	-0.000053	± 2.5	PASS
		VN	50	4.91	0.002612	± 2.5	PASS
	HCH	VN	-30	3.66	0.001926	± 2.5	PASS
		VN	-20	-0.84	-0.000442	± 2.5	PASS
		VN	-10	-1.26	-0.000663	± 2.5	PASS
		VN	0	3.32	0.001747	± 2.5	PASS
		VN	10	3.08	0.001621	± 2.5	PASS
		VN	20	-1.41	-0.000742	± 2.5	PASS
		VN	30	2.95	0.001553	± 2.5	PASS
		VN	40	3.64	0.001916	± 2.5	PASS
		VN	50	0.84	0.000442	± 2.5	PASS
16QAM	LCH	VN	-30	-1.03	-0.000554	± 2.5	PASS
		VN	-20	-0.08	-0.000043	± 2.5	PASS
		VN	-10	3.78	0.002032	± 2.5	PASS
		VN	0	-0.35	-0.000188	± 2.5	PASS
		VN	10	-1.21	-0.000651	± 2.5	PASS
		VN	20	4.54	0.002441	± 2.5	PASS
		VN	30	1.55	0.000833	± 2.5	PASS
		VN	40	4.05	0.002177	± 2.5	PASS
		VN	50	3.04	0.001634	± 2.5	PASS
	MCH	VN	-30	-0.16	-0.000085	± 2.5	PASS
		VN	-20	-0.95	-0.000505	± 2.5	PASS
		VN	-10	0.13	0.000069	± 2.5	PASS
		VN	0	-0.83	-0.000441	± 2.5	PASS
		VN	10	2.33	0.001239	± 2.5	PASS
		VN	20	-0.2	-0.000106	± 2.5	PASS
		VN	30	4.16	0.002213	± 2.5	PASS
		VN	40	1.13	0.000601	± 2.5	PASS
		VN	50	2.81	0.001495	± 2.5	PASS
	HCH	VN	-30	-1.5	-0.000789	± 2.5	PASS
		VN	-20	1.72	0.000905	± 2.5	PASS
		VN	-10	3.87	0.002037	± 2.5	PASS
		VN	0	1.48	0.000779	± 2.5	PASS
		VN	10	1.98	0.001042	± 2.5	PASS
		VN	20	3.01	0.001584	± 2.5	PASS
		VN	30	0.59	0.000311	± 2.5	PASS
		VN	40	-1.45	-0.000763	± 2.5	PASS
		VN	50	-1.52	-0.000800	± 2.5	PASS