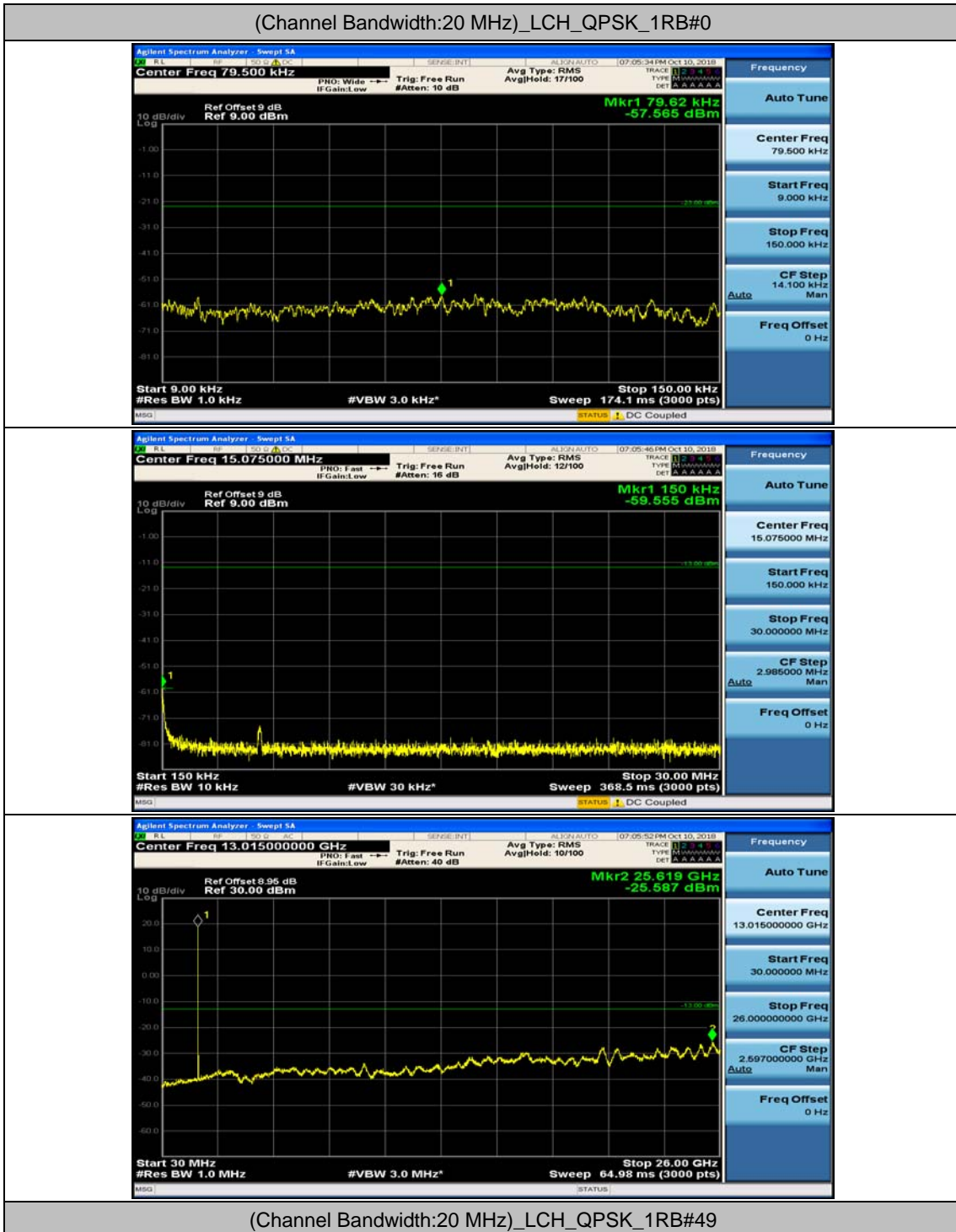
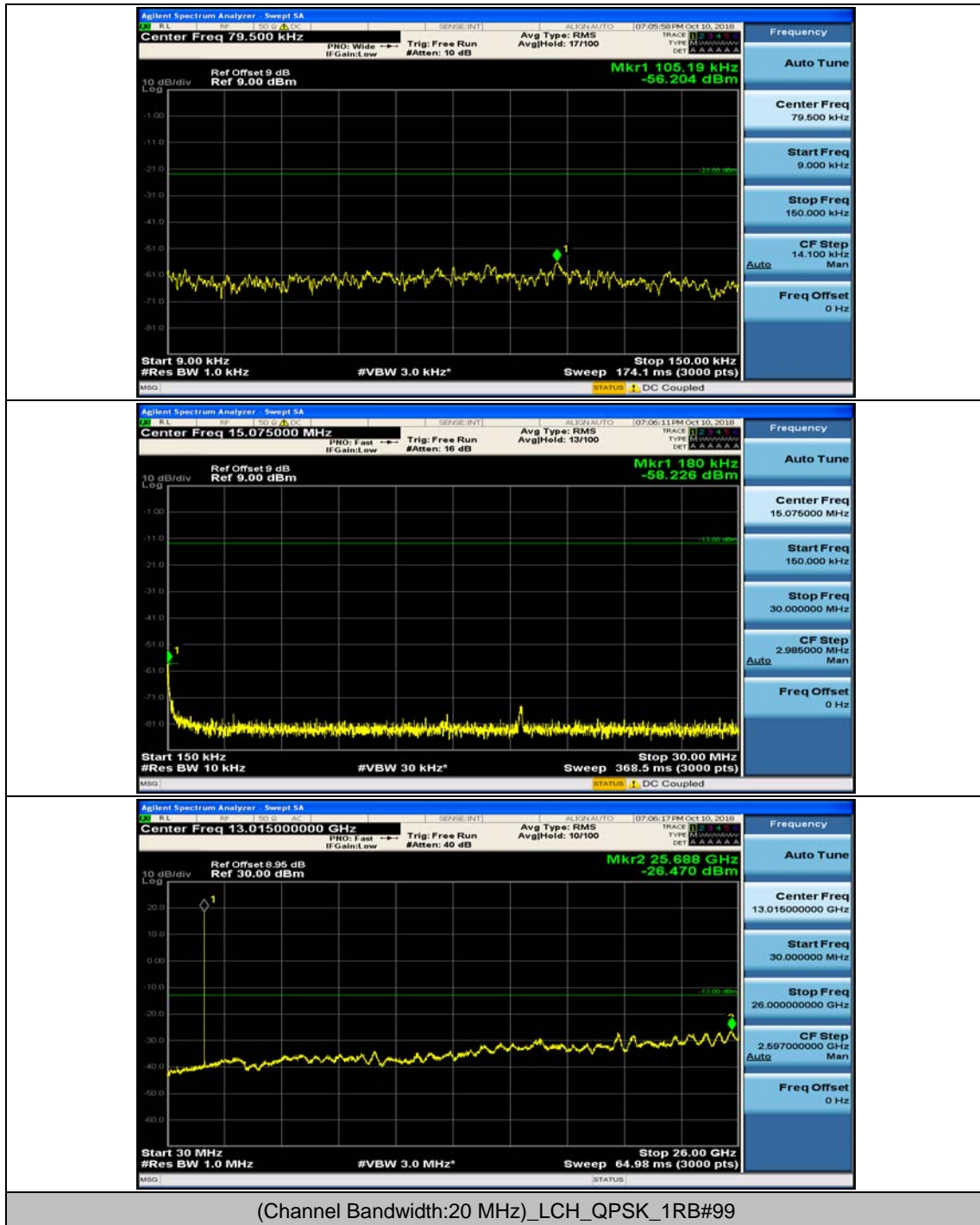
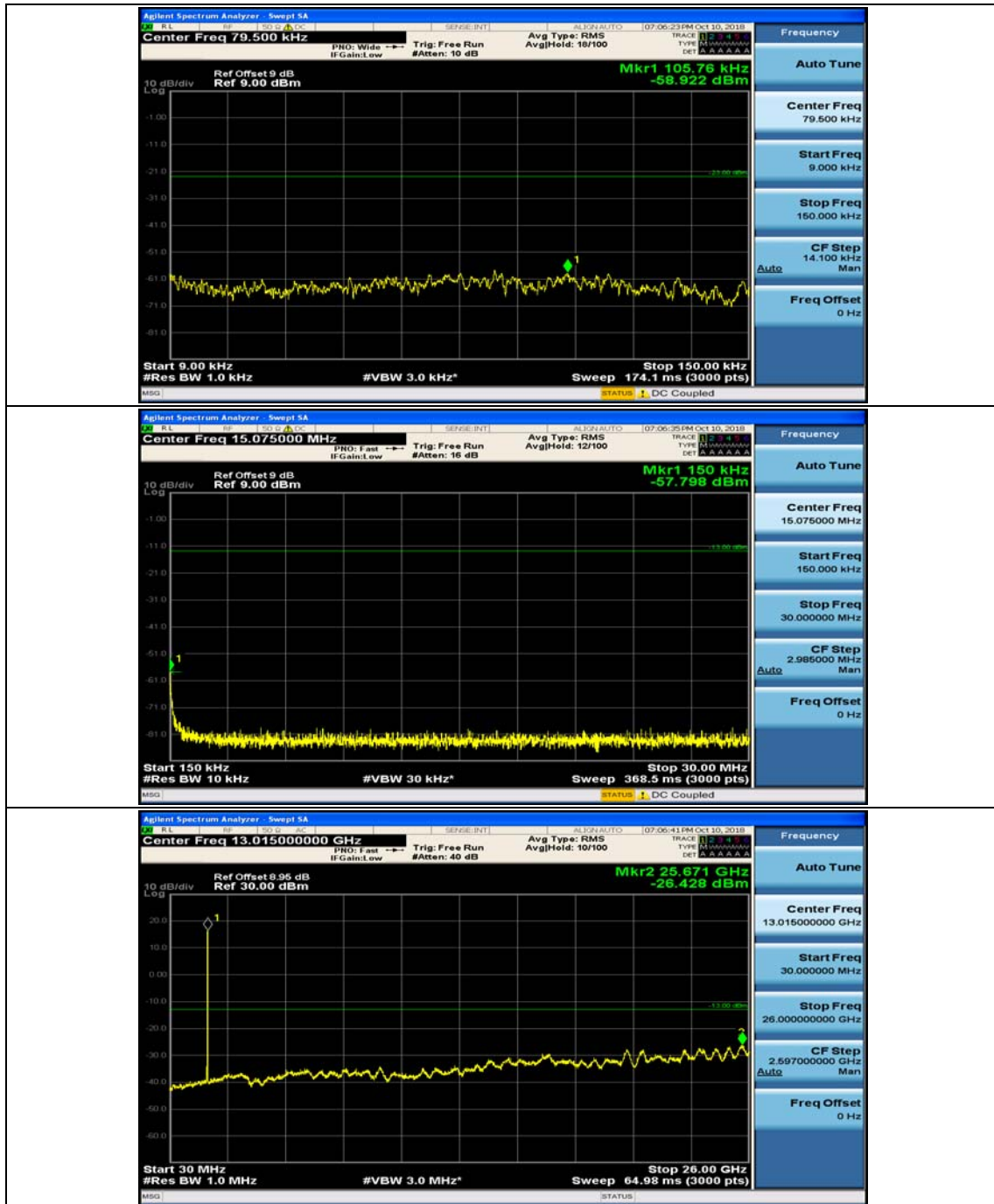


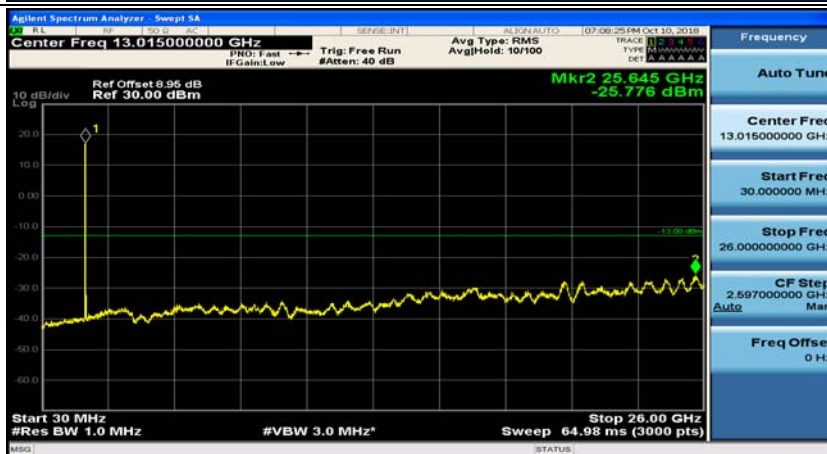
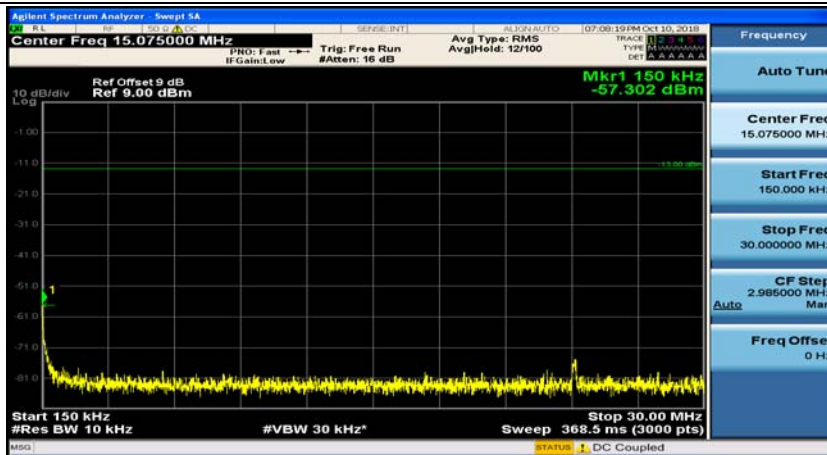
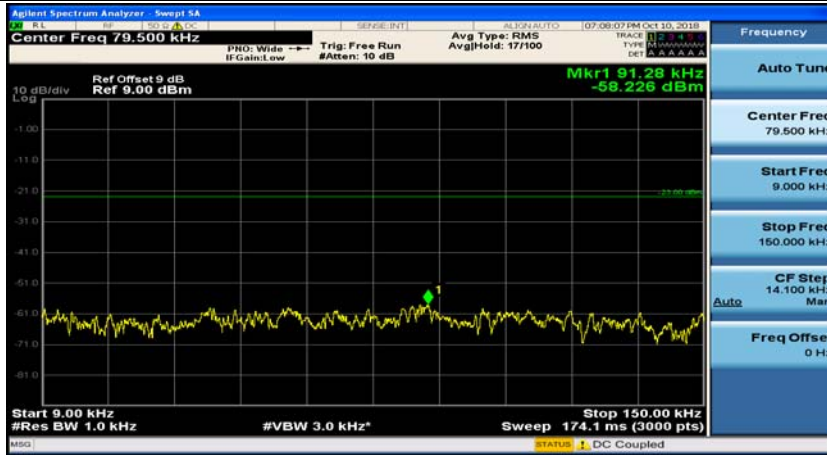
Channel Bandwidth: 20 MHz



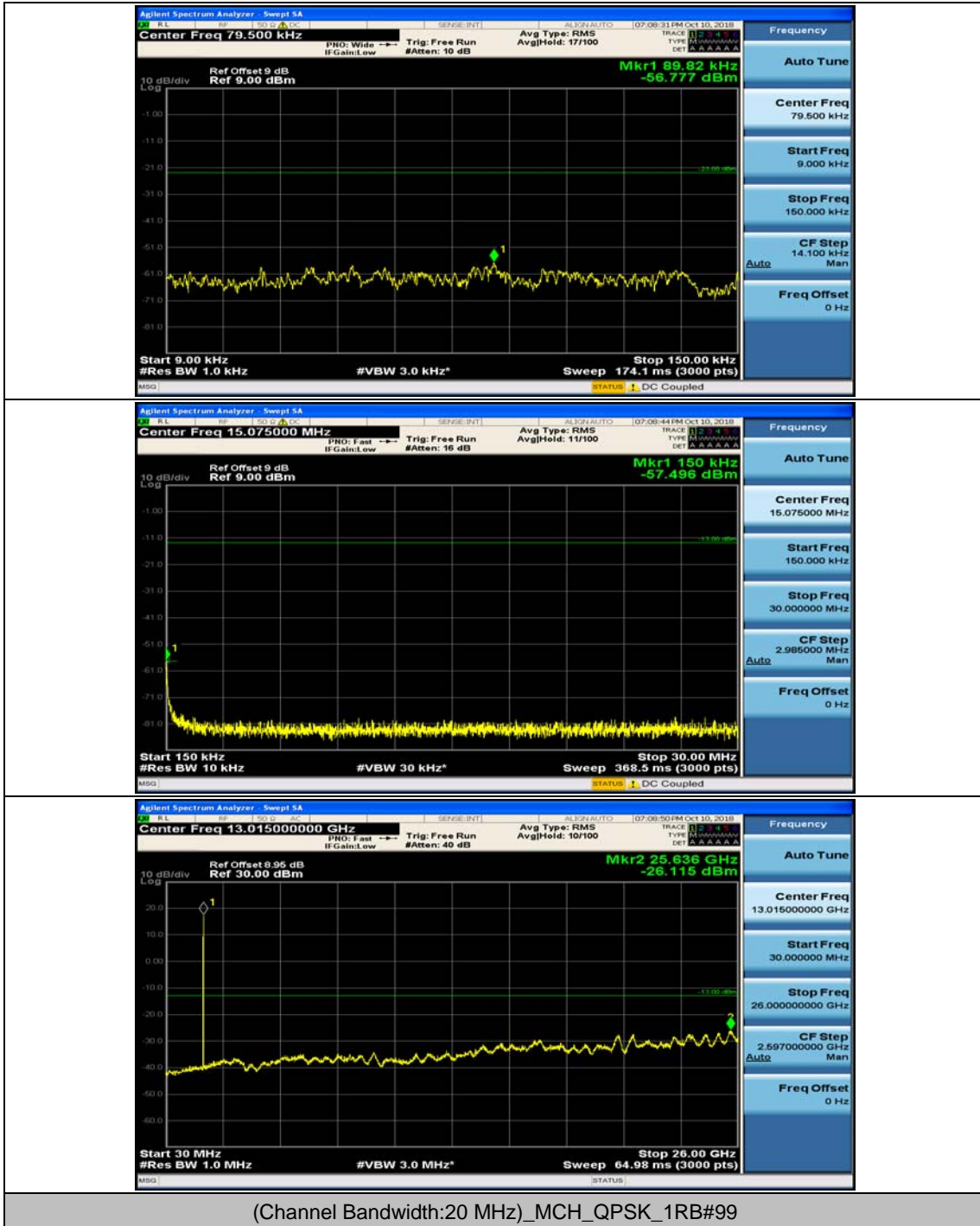


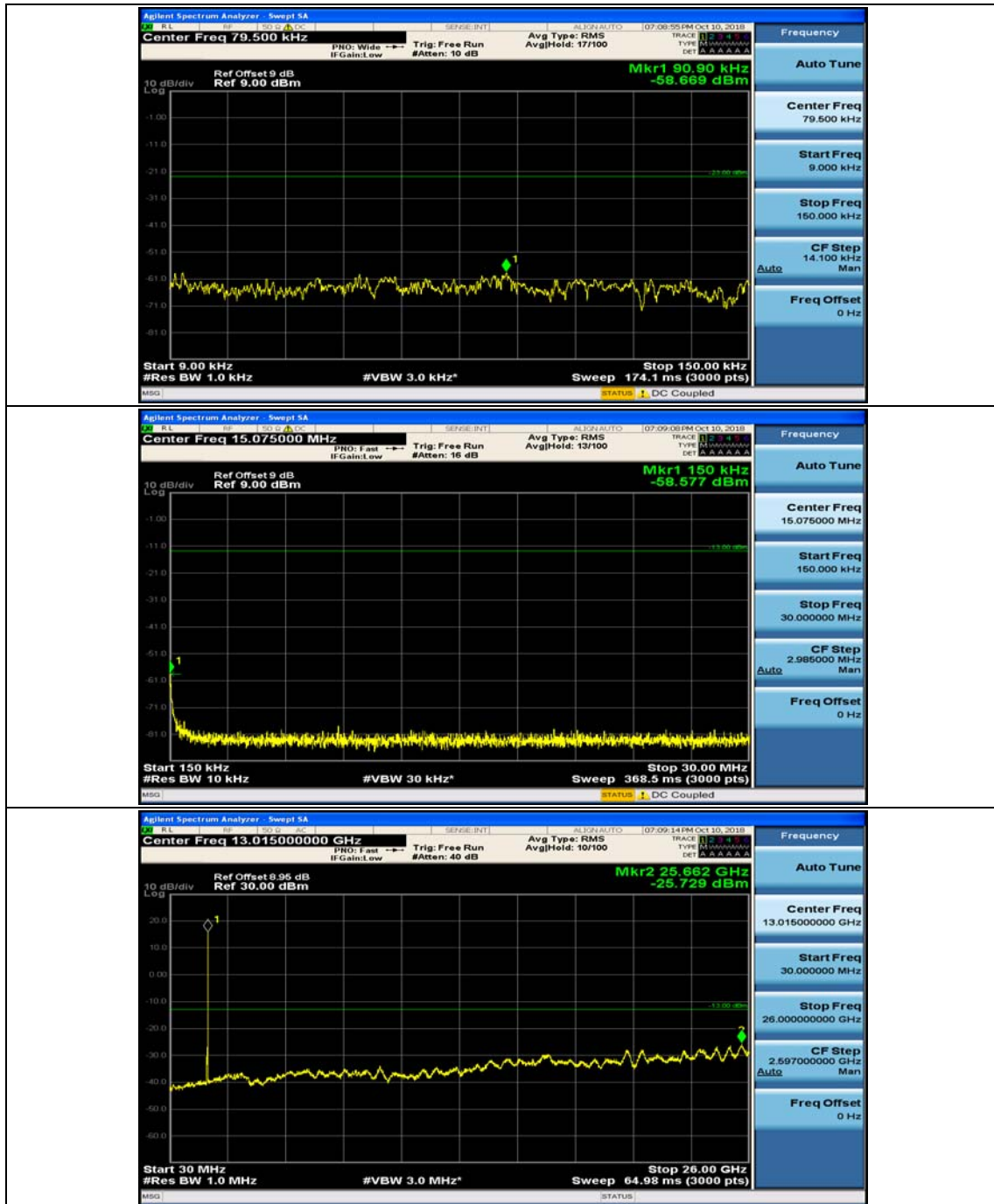


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

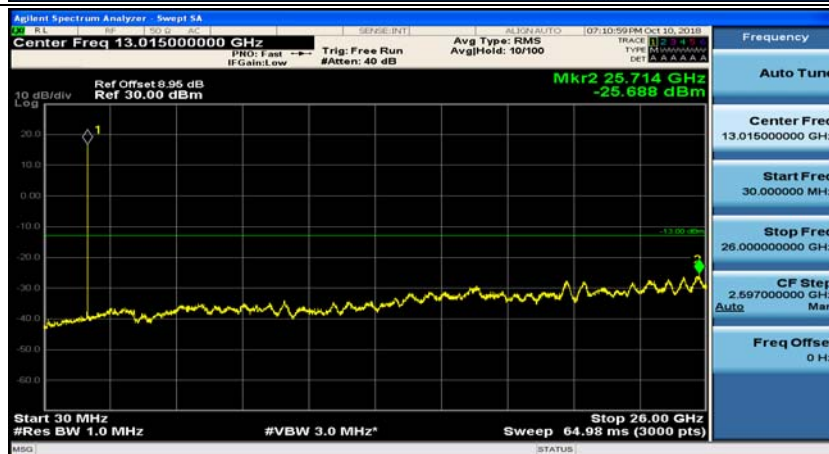
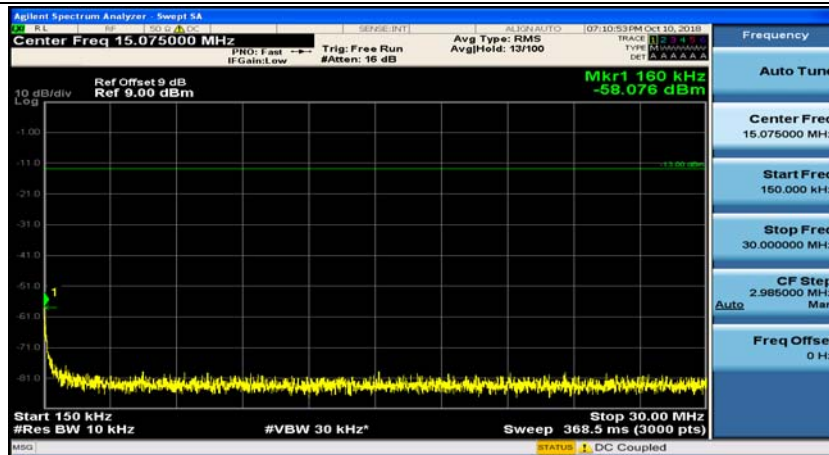
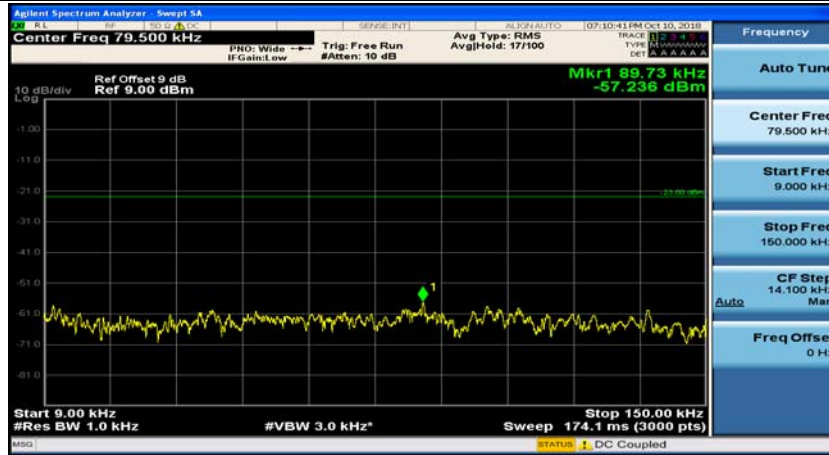


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

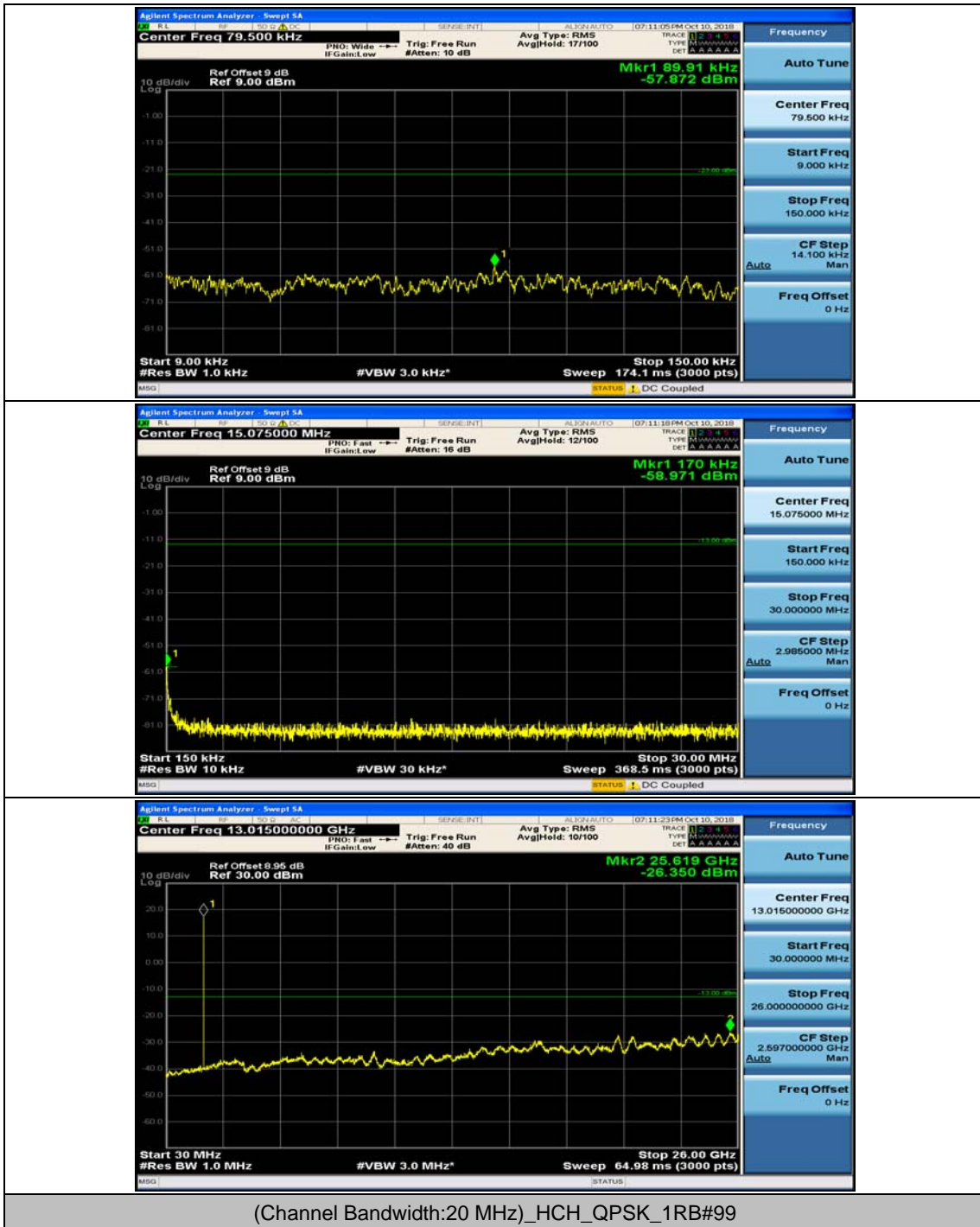


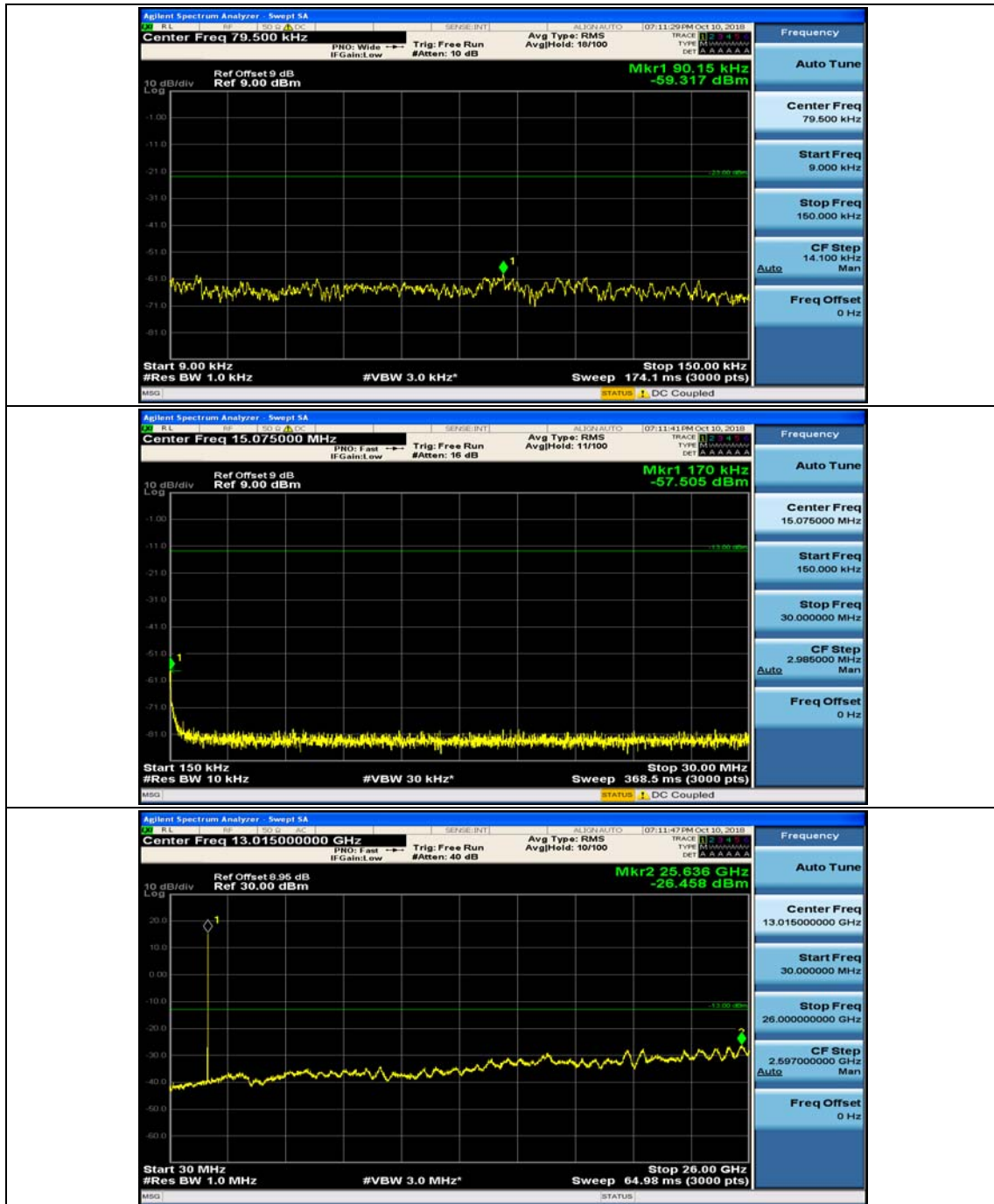


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

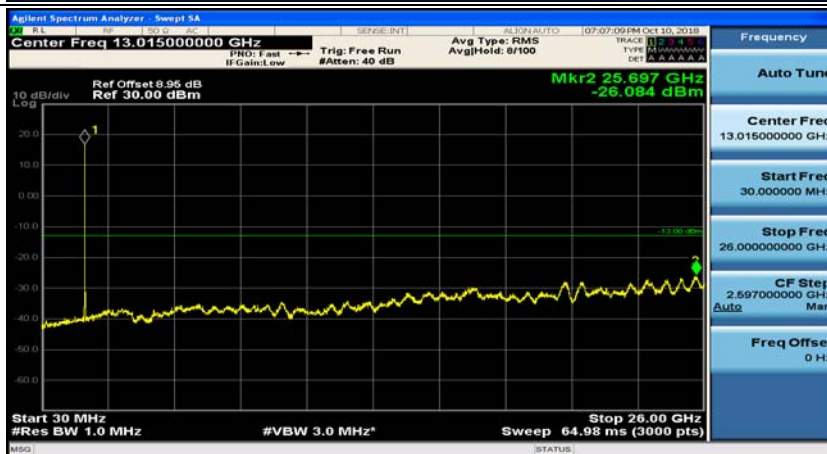
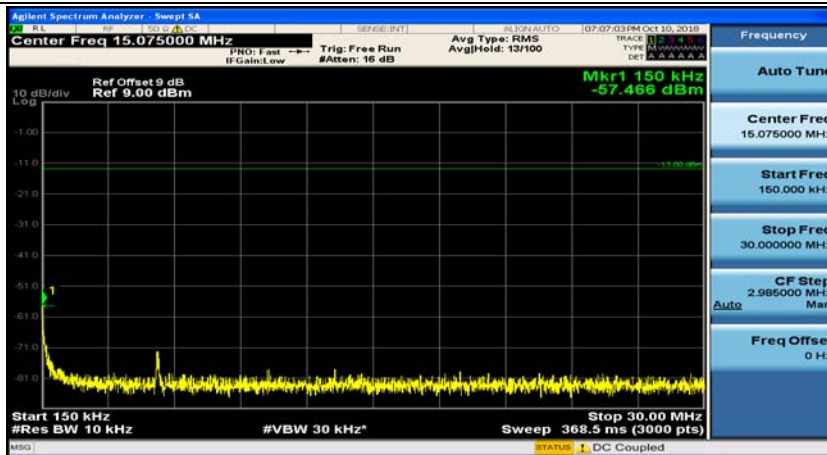
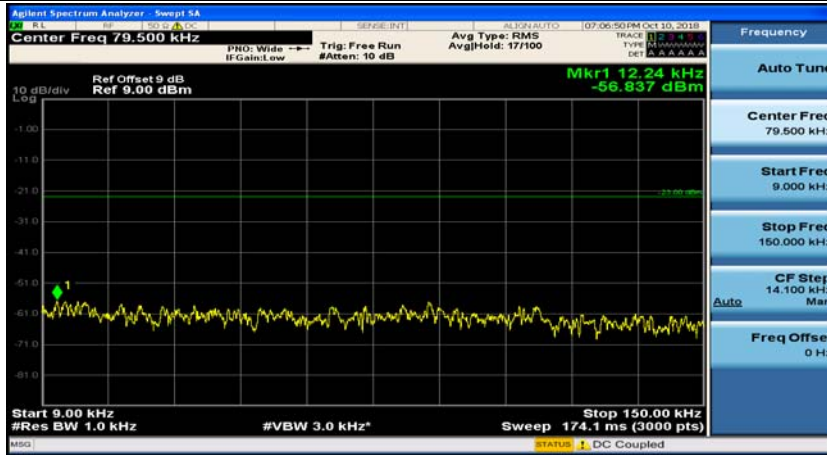


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

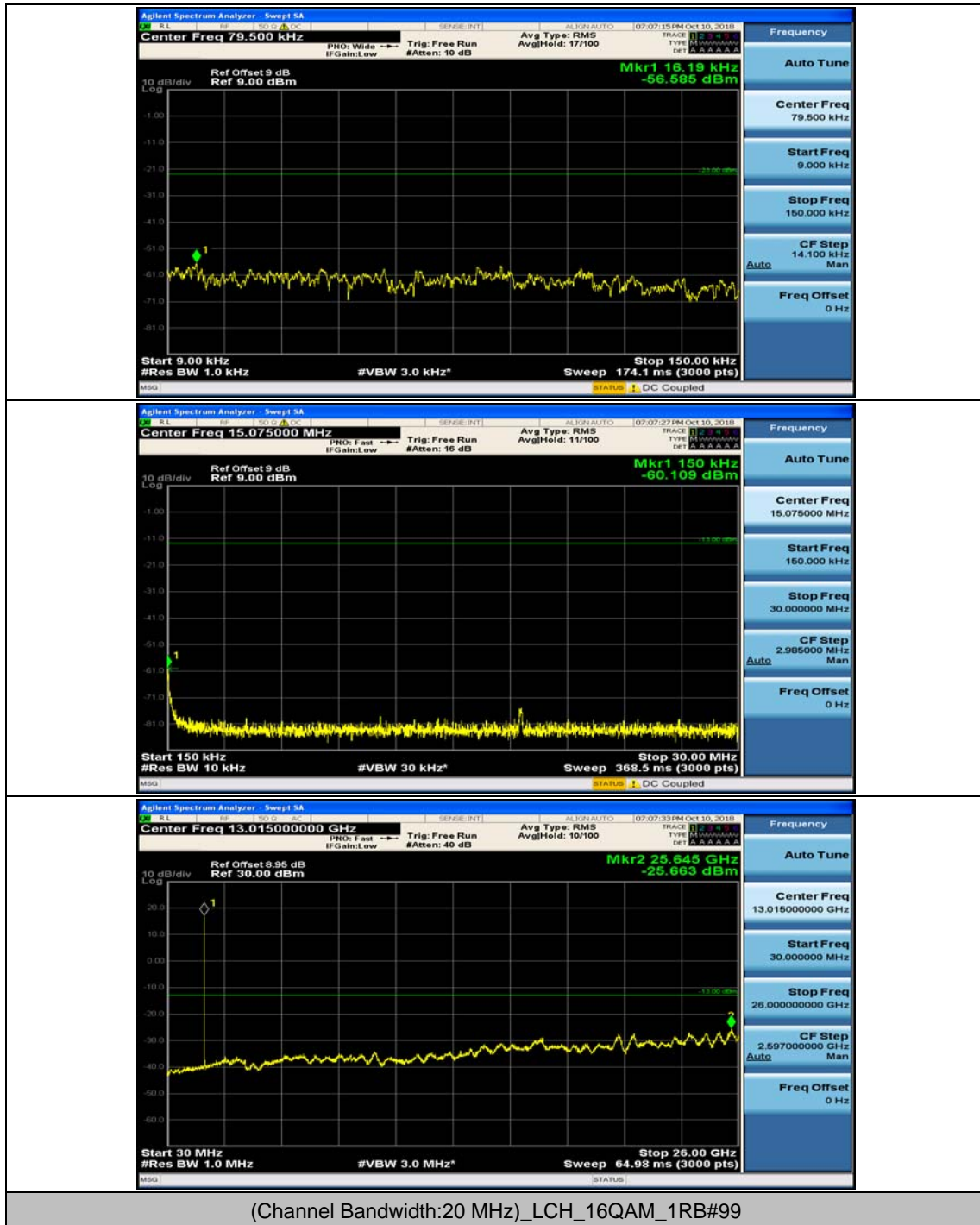


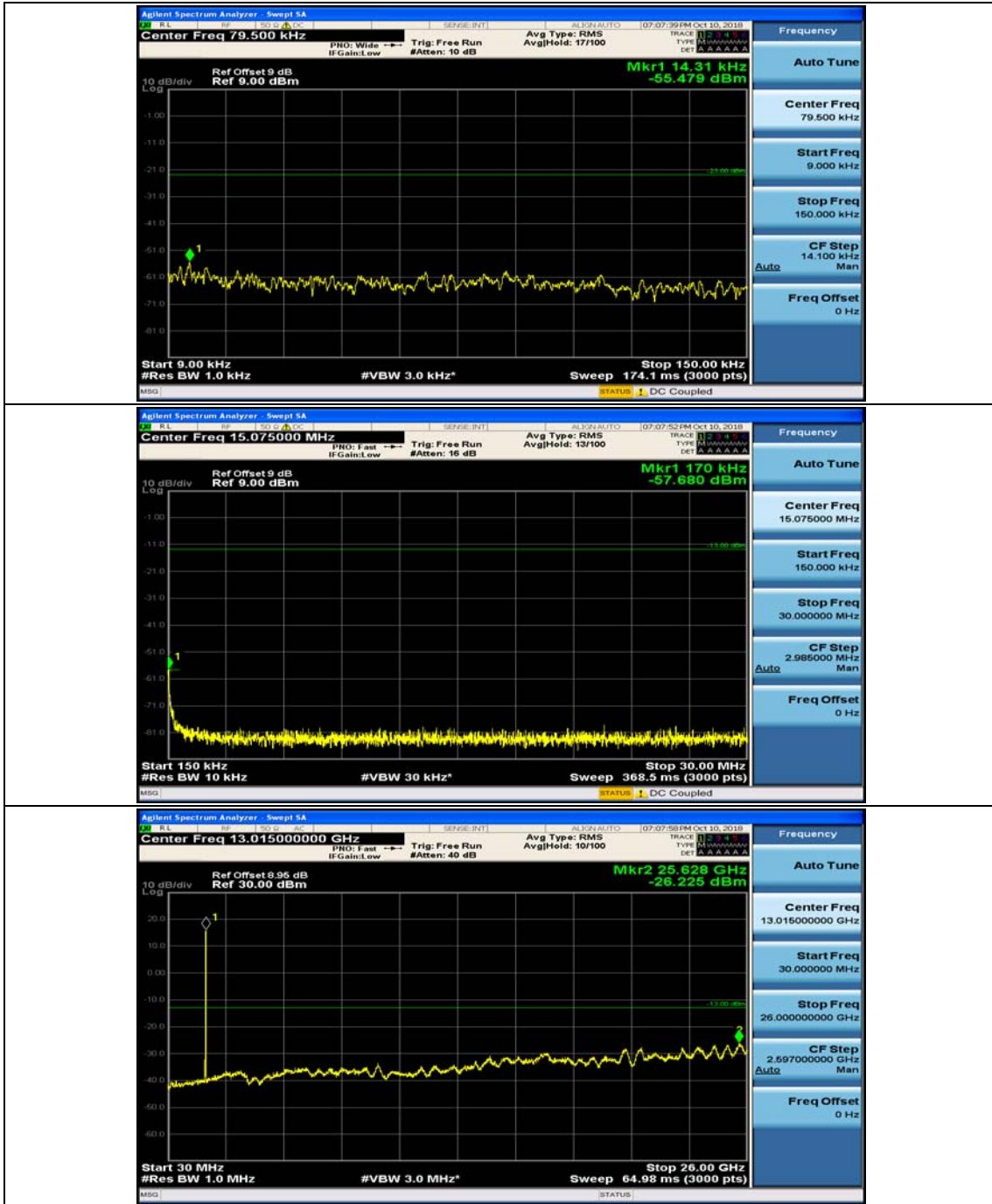


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

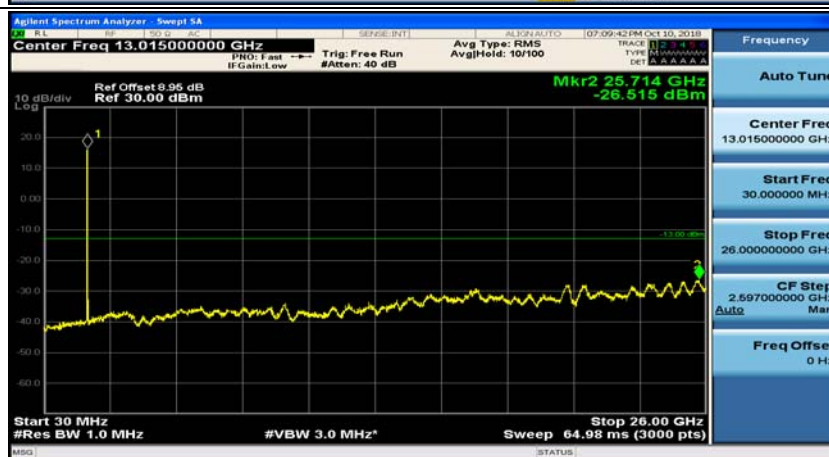
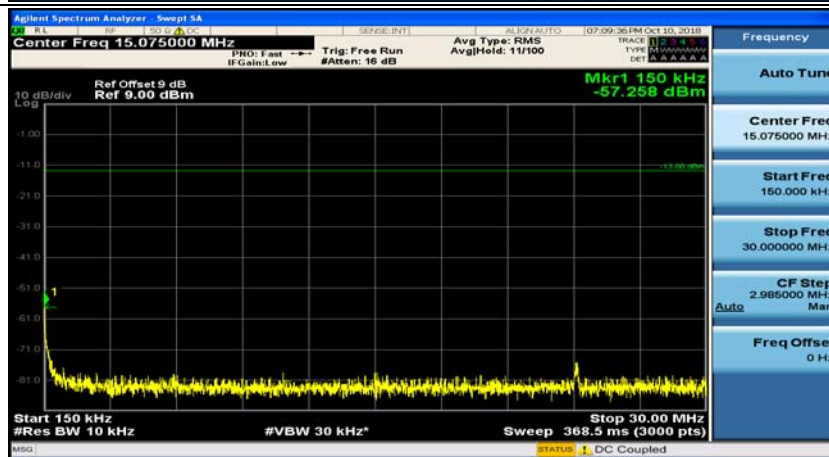


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

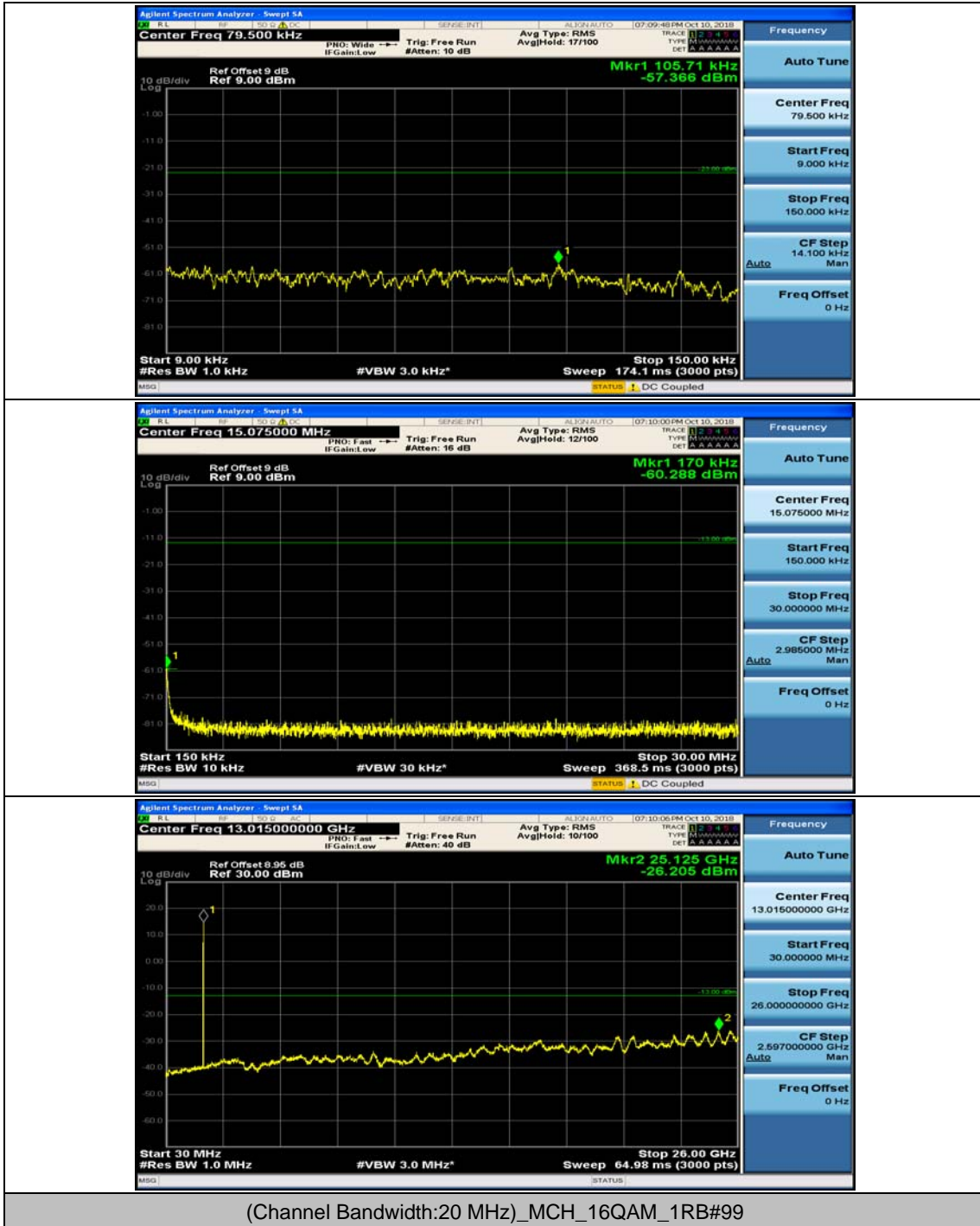


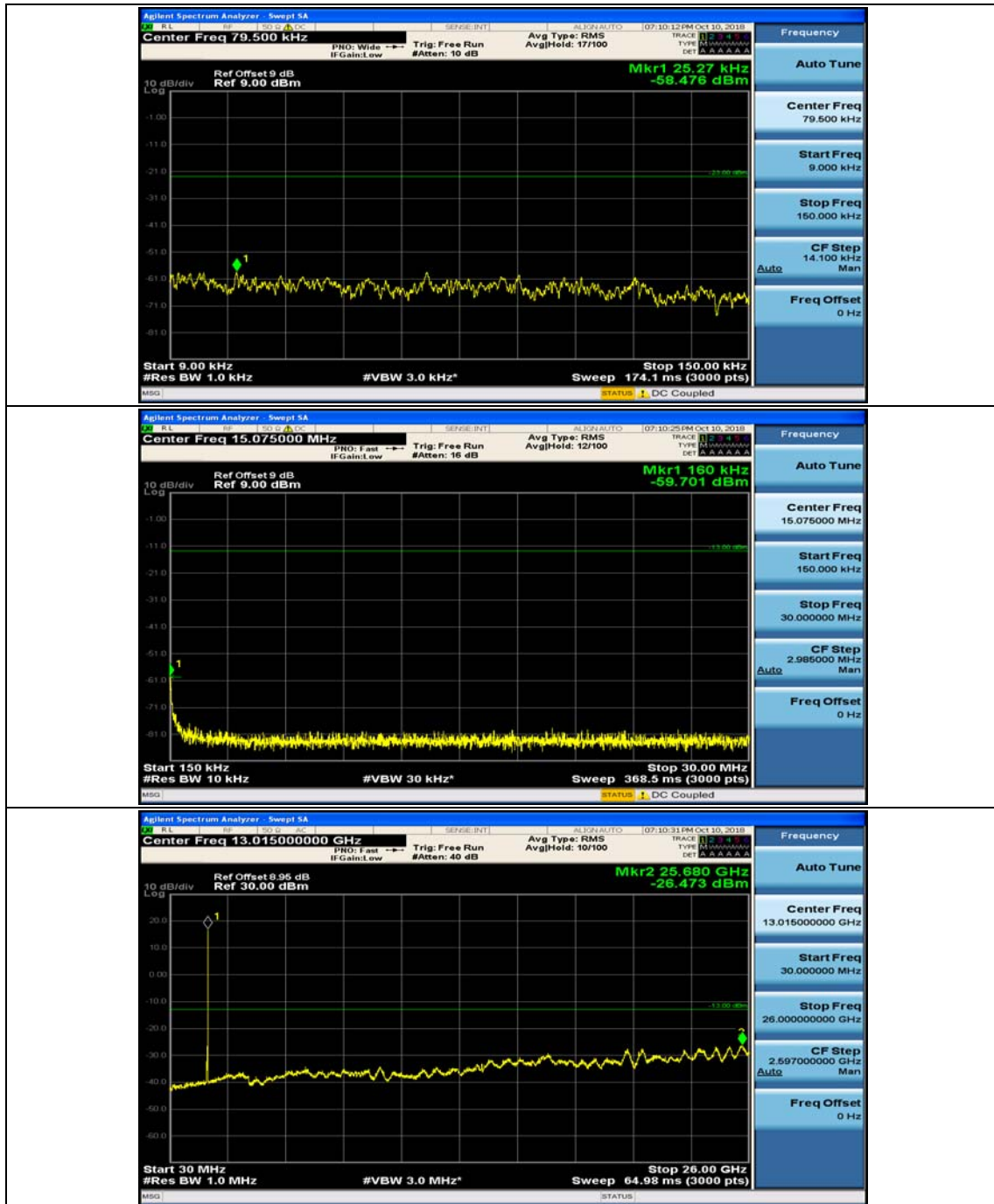


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

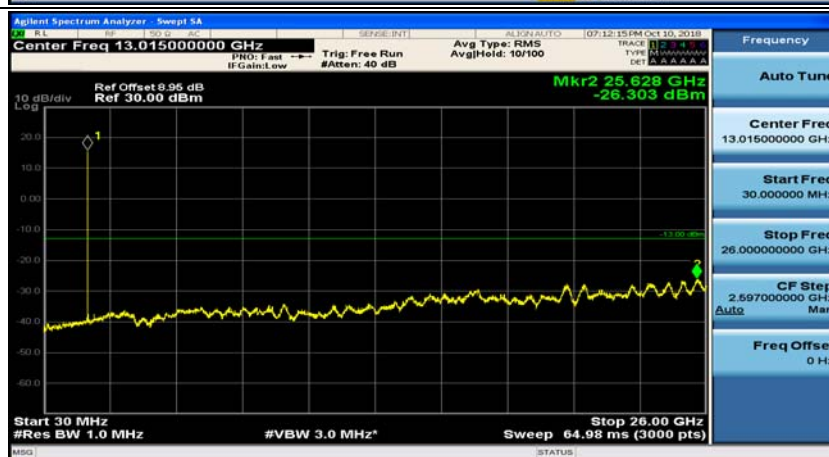
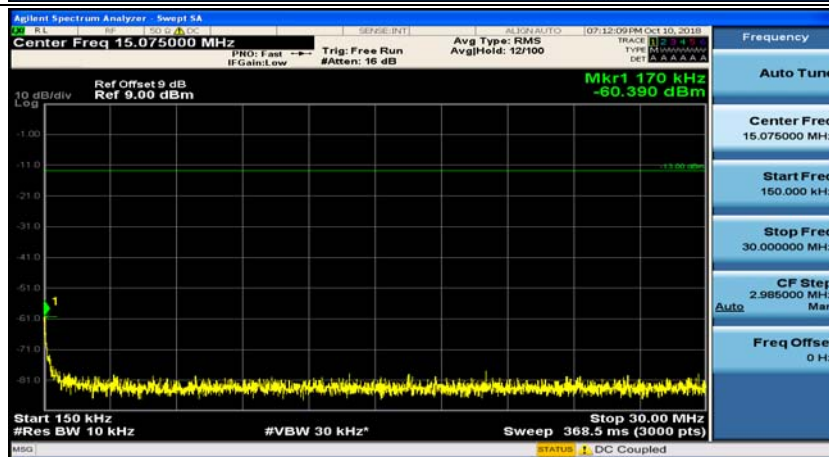
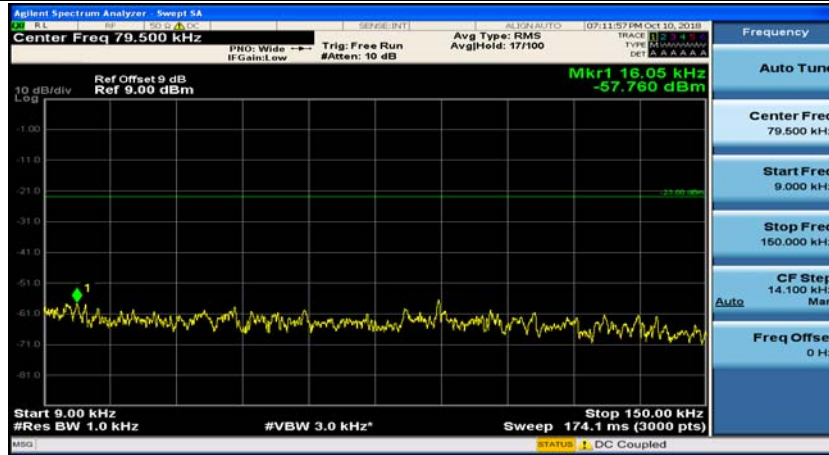


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

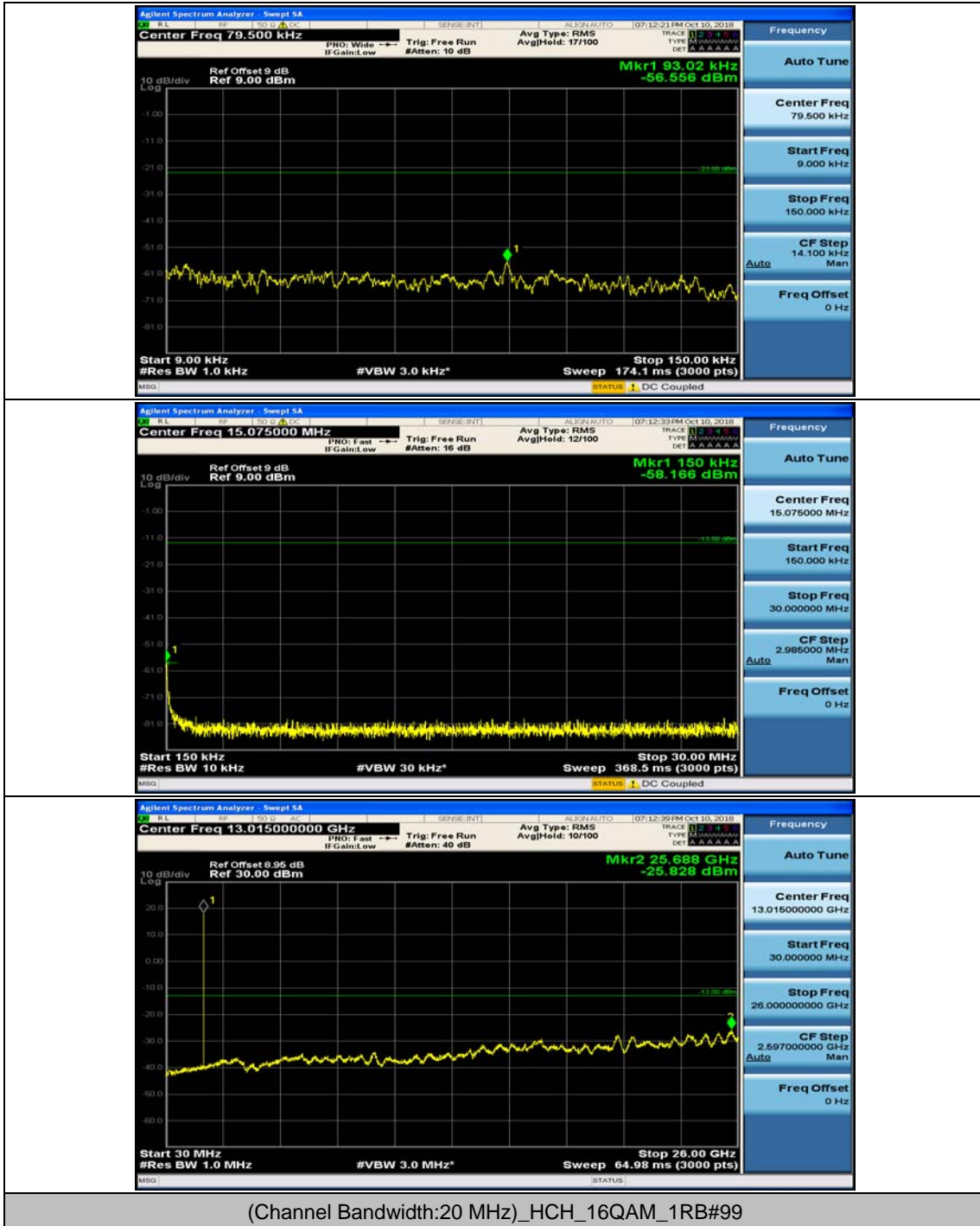


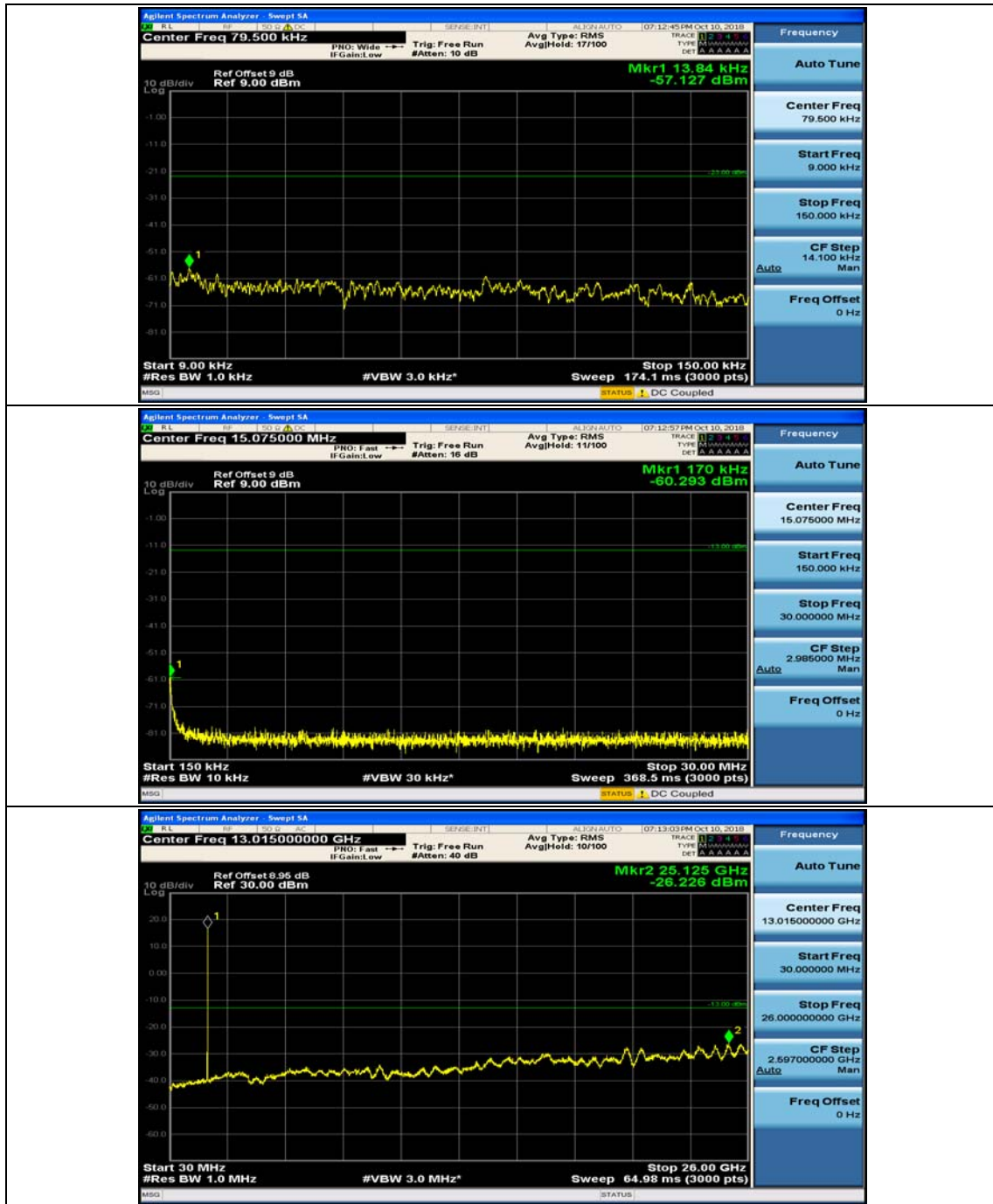


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	3.84	0.002245	± 2.5	PASS
		VN	TN	0.86	0.000503	± 2.5	PASS
		VH	TN	-1.17	-0.000684	± 2.5	PASS
	MCH	VL	TN	0.2	0.000115	± 2.5	PASS
		VN	TN	3.78	0.002182	± 2.5	PASS
		VH	TN	3.43	0.001980	± 2.5	PASS
	HCH	VL	TN	2.28	0.001300	± 2.5	PASS
		VN	TN	3.63	0.002069	± 2.5	PASS
		VH	TN	-1.6	-0.000912	± 2.5	PASS
16QAM	LCH	VL	TN	2.25	0.001315	± 2.5	PASS
		VN	TN	3.16	0.001847	± 2.5	PASS
		VH	TN	-1.27	-0.000742	± 2.5	PASS
	MCH	VL	TN	3.15	0.001818	± 2.5	PASS
		VN	TN	2.82	0.001628	± 2.5	PASS
		VH	TN	1.3	0.000750	± 2.5	PASS
	HCH	VL	TN	3.57	0.002035	± 2.5	PASS
		VN	TN	4.41	0.002514	± 2.5	PASS
		VH	TN	-1.68	-0.000958	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.11	0.000649	± 2.5	PASS
		VN	-20	3.77	0.002204	± 2.5	PASS
		VN	-10	0.16	0.000094	± 2.5	PASS
		VN	0	2.77	0.001619	± 2.5	PASS
		VN	10	-1.37	-0.000801	± 2.5	PASS
		VN	20	1.95	0.001140	± 2.5	PASS
		VN	30	3.58	0.002093	± 2.5	PASS
		VN	40	-1.16	-0.000678	± 2.5	PASS
	MCH	VN	-30	1.49	0.000860	± 2.5	PASS
		VN	-20	-1.84	-0.001062	± 2.5	PASS

		VN	-10	-0.87	-0.000502	± 2.5	PASS	
		VN	0	3.12	0.001801	± 2.5	PASS	
		VN	10	2.8	0.001616	± 2.5	PASS	
		VN	20	-0.35	-0.000202	± 2.5	PASS	
		VN	30	0.62	0.000358	± 2.5	PASS	
		VN	40	2.36	0.001362	± 2.5	PASS	
		VN	50	0.77	0.000444	± 2.5	PASS	
	HCH	VN	-30	4.38	0.002497	± 2.5	PASS	
		VN	-20	3.28	0.001870	± 2.5	PASS	
		VN	-10	0.68	0.000388	± 2.5	PASS	
		VN	0	4.31	0.002457	± 2.5	PASS	
		VN	10	3.12	0.001778	± 2.5	PASS	
		VN	20	0.2	0.000114	± 2.5	PASS	
		VN	30	0.86	0.000490	± 2.5	PASS	
	16QAM	LCH	VN	40	3.41	0.001944	± 2.5	PASS
			VN	50	0.19	0.000108	± 2.5	PASS
			VN	-30	0.56	0.000327	± 2.5	PASS
			VN	-20	4.42	0.002584	± 2.5	PASS
VN			-10	-1.27	-0.000742	± 2.5	PASS	
VN			0	0.94	0.000549	± 2.5	PASS	
VN			10	0.97	0.000567	± 2.5	PASS	
VN			20	3.86	0.002256	± 2.5	PASS	
VN			30	2.85	0.001666	± 2.5	PASS	
MCH		VN	40	-0.33	-0.000193	± 2.5	PASS	
		VN	50	4.18	0.002443	± 2.5	PASS	
		VN	-30	4.74	0.002702	± 2.5	PASS	
		VN	-20	0.92	0.000524	± 2.5	PASS	
		VN	-10	3.73	0.002126	± 2.5	PASS	
		VN	0	2.75	0.001568	± 2.5	PASS	
		VN	10	3.71	0.002115	± 2.5	PASS	
		VN	20	-1.16	-0.000661	± 2.5	PASS	
		VN	30	3.8	0.002166	± 2.5	PASS	
HCH	VN	40	1.85	0.001055	± 2.5	PASS		
	VN	50	-1.87	-0.001066	± 2.5	PASS		
	VN	-30	-1.55	-0.000884	± 2.5	PASS		
	VN	-20	0.35	0.000200	± 2.5	PASS		
	VN	-10	-1.48	-0.000844	± 2.5	PASS		
	VN	0	1.02	0.000581	± 2.5	PASS		
	VN	10	1.35	0.000770	± 2.5	PASS		
VN	20	-0.77	-0.000439	± 2.5	PASS			
VN	30	3.32	0.001892	± 2.5	PASS			

		VN	40	4.35	0.002480	± 2.5	PASS
		VN	50	-0.7	-0.000399	± 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	1.88	0.001098	± 2.5	PASS
		VN	TN	0.91	0.000532	± 2.5	PASS
		VH	TN	1.13	0.000660	± 2.5	PASS
	MCH	VL	TN	1.83	0.001056	± 2.5	PASS
		VN	TN	0.63	0.000364	± 2.5	PASS
		VH	TN	-0.04	-0.000023	± 2.5	PASS
	HCH	VL	TN	2.09	0.001192	± 2.5	PASS
		VN	TN	4.12	0.002350	± 2.5	PASS
		VH	TN	0.91	0.000519	± 2.5	PASS
16QAM	LCH	VL	TN	4.25	0.002483	± 2.5	PASS
		VN	TN	-1.08	-0.000631	± 2.5	PASS
		VH	TN	3.19	0.001864	± 2.5	PASS
	MCH	VL	TN	3.74	0.002159	± 2.5	PASS
		VN	TN	-1.4	-0.000808	± 2.5	PASS
		VH	TN	4.14	0.002390	± 2.5	PASS
	HCH	VL	TN	0.02	0.000011	± 2.5	PASS
		VN	TN	-0.47	-0.000268	± 2.5	PASS
		VH	TN	-0.72	-0.000411	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.39	0.001981	± 2.5	PASS
		VN	-20	2.05	0.001198	± 2.5	PASS
		VN	-10	2.22	0.001297	± 2.5	PASS
		VN	0	2.3	0.001344	± 2.5	PASS
		VN	10	3.45	0.002016	± 2.5	PASS
		VN	20	-0.39	-0.000228	± 2.5	PASS
		VN	30	1.41	0.000824	± 2.5	PASS
		VN	40	4.16	0.002431	± 2.5	PASS
		VN	50	-0.5	-0.000292	± 2.5	PASS
	MCH	VN	-30	1.46	0.000843	± 2.5	PASS
		VN	-20	4.12	0.002378	± 2.5	PASS
		VN	-10	3.01	0.001737	± 2.5	PASS

		VN	0	2.34	0.001351	± 2.5	PASS		
		VN	10	0.21	0.000121	± 2.5	PASS		
		VN	20	4.73	0.002730	± 2.5	PASS		
		VN	30	1.13	0.000652	± 2.5	PASS		
		VN	40	1.56	0.000900	± 2.5	PASS		
		VN	50	3.52	0.002032	± 2.5	PASS		
	HCH	VN	-30	3.92	0.002236	± 2.5	PASS		
		VN	-20	0.48	0.000274	± 2.5	PASS		
		VN	-10	1.44	0.000821	± 2.5	PASS		
		VN	0	1.76	0.001004	± 2.5	PASS		
		VN	10	-1.1	-0.000627	± 2.5	PASS		
		VN	20	2.12	0.001209	± 2.5	PASS		
		VN	30	1.48	0.000844	± 2.5	PASS		
		VN	40	0.09	0.000051	± 2.5	PASS		
		VN	50	4.96	0.002829	± 2.5	PASS		
		QPSK	LCH	VN	-30	1.45	0.000837	± 2.5	PASS
				VN	-20	2.91	0.001680	± 2.5	PASS
				VN	-10	-1.04	-0.000600	± 2.5	PASS
VN	0			0.93	0.000537	± 2.5	PASS		
VN	10			3.58	0.002066	± 2.5	PASS		
VN	20			3.34	0.001928	± 2.5	PASS		
VN	30			2.79	0.001610	± 2.5	PASS		
VN	40			0.8	0.000462	± 2.5	PASS		
VN	50			2.03	0.001172	± 2.5	PASS		
MCH	VN		-30	4.24	0.002418	± 2.5	PASS		
	VN		-20	0.23	0.000131	± 2.5	PASS		
	VN		-10	0.51	0.000291	± 2.5	PASS		
	VN		0	2.67	0.001523	± 2.5	PASS		
	VN		10	3.98	0.002270	± 2.5	PASS		
	VN		20	1.35	0.000770	± 2.5	PASS		
	VN		30	-1.13	-0.000644	± 2.5	PASS		
	VN		40	1.63	0.000930	± 2.5	PASS		
	VN		50	0.94	0.000536	± 2.5	PASS		
HCH	VN		-30	-1.26	-0.000719	± 2.5	PASS		
	VN		-20	2.41	0.001374	± 2.5	PASS		
	VN		-10	2.34	0.001334	± 2.5	PASS		
	VN		0	4.19	0.002390	± 2.5	PASS		
	VN		10	0.91	0.000519	± 2.5	PASS		
	VN		20	2.97	0.001694	± 2.5	PASS		
	VN	30	2.16	0.001232	± 2.5	PASS			
	VN	40	4.52	0.002578	± 2.5	PASS			

		VN	50	-0.19	-0.000108	± 2.5	PASS
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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	-1.45	-0.000847	± 2.5	PASS
		VN	TN	3.01	0.001758	± 2.5	PASS
		VH	TN	3.45	0.002015	± 2.5	PASS
	MCH	VL	TN	0.12	0.000069	± 2.5	PASS
		VN	TN	-1.45	-0.000837	± 2.5	PASS
		VH	TN	-1.45	-0.000837	± 2.5	PASS
	HCH	VL	TN	-1.75	-0.000999	± 2.5	PASS
		VN	TN	-1.45	-0.000827	± 2.5	PASS
		VH	TN	-0.65	-0.000371	± 2.5	PASS
16QAM	LCH	VL	TN	2.92	0.001705	± 2.5	PASS
		VN	TN	4.26	0.002488	± 2.5	PASS
		VH	TN	0.65	0.000380	± 2.5	PASS
	MCH	VL	TN	3.73	0.002153	± 2.5	PASS
		VN	TN	1.2	0.000693	± 2.5	PASS
		VH	TN	3.66	0.002113	± 2.5	PASS
	HCH	VL	TN	-0.21	-0.000120	± 2.5	PASS
		VN	TN	0.93	0.000531	± 2.5	PASS
		VH	TN	0.28	0.000160	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.61	0.000356	± 2.5	PASS
		VN	-20	3.51	0.002050	± 2.5	PASS
		VN	-10	3.39	0.001980	± 2.5	PASS
		VN	0	2.07	0.001209	± 2.5	PASS
		VN	10	2.75	0.001606	± 2.5	PASS
		VN	20	4.09	0.002388	± 2.5	PASS
		VN	30	-0.03	-0.000018	± 2.5	PASS
		VN	40	-1.14	-0.000666	± 2.5	PASS
		VN	50	2.51	0.001466	± 2.5	PASS
	MCH	VN	-30	2.43	0.001403	± 2.5	PASS
		VN	-20	1.48	0.000854	± 2.5	PASS
		VN	-10	1.58	0.000912	± 2.5	PASS
		VN	0	3.54	0.002043	± 2.5	PASS

		VN	10	3.86	0.002228	± 2.5	PASS
		VN	20	-1.94	-0.001120	± 2.5	PASS
		VN	30	3.6	0.002078	± 2.5	PASS
		VN	40	0.81	0.000468	± 2.5	PASS
		VN	50	2.05	0.001183	± 2.5	PASS
	HCH	VN	-30	1.64	0.000936	± 2.5	PASS
		VN	-20	4.01	0.002102	± 2.5	PASS
		VN	-10	-0.9	-0.000472	± 2.5	PASS
		VN	0	4.86	0.002548	± 2.5	PASS
		VN	10	1.11	0.000582	± 2.5	PASS
		VN	20	1.38	0.000723	± 2.5	PASS
		VN	30	3.21	0.001683	± 2.5	PASS
		VN	40	0.48	0.000252	± 2.5	PASS
		VN	50	-1.88	-0.000986	± 2.5	PASS
		16QAM	LCH	VN	-30	4.44	0.002563
VN	-20			0.9	0.000519	± 2.5	PASS
VN	-10			3.85	0.002222	± 2.5	PASS
VN	0			1.13	0.000652	± 2.5	PASS
VN	10			2.91	0.001680	± 2.5	PASS
VN	20			4.82	0.002782	± 2.5	PASS
VN	30			4.82	0.002782	± 2.5	PASS
VN	40			1	0.000577	± 2.5	PASS
VN	50			-0.96	-0.000554	± 2.5	PASS
MCH	VN		-30	0.93	0.000531	± 2.5	PASS
	VN		-20	1.96	0.001118	± 2.5	PASS
	VN		-10	2.81	0.001603	± 2.5	PASS
	VN		0	3.02	0.001723	± 2.5	PASS
	VN		10	4.1	0.002340	± 2.5	PASS
	VN		20	0.37	0.000211	± 2.5	PASS
	VN		30	2.05	0.001170	± 2.5	PASS
	VN		40	3.84	0.002191	± 2.5	PASS
	VN		50	2.65	0.001512	± 2.5	PASS
HCH	VN		-30	3.16	0.001657	± 2.5	PASS
	VN		-20	-1.18	-0.000619	± 2.5	PASS
	VN		-10	3.76	0.001971	± 2.5	PASS
	VN		0	-0.34	-0.000178	± 2.5	PASS
	VN		10	3.46	0.001814	± 2.5	PASS
	VN		20	4.79	0.002511	± 2.5	PASS
	VN		30	3.15	0.001651	± 2.5	PASS
	VN		40	0.07	0.000037	± 2.5	PASS
	VN		50	2	0.001048	± 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	3.36	0.001959	± 2.5	PASS
		VN	TN	2.19	0.001277	± 2.5	PASS
		VH	TN	2.9	0.001691	± 2.5	PASS
	MCH	VL	TN	4.26	0.002459	± 2.5	PASS
		VN	TN	0.82	0.000473	± 2.5	PASS
		VH	TN	3.54	0.002043	± 2.5	PASS
	HCH	VL	TN	1.74	0.000994	± 2.5	PASS
		VN	TN	1.44	0.000823	± 2.5	PASS
		VH	TN	4.07	0.002326	± 2.5	PASS
16QAM	LCH	VL	TN	3.7	0.002157	± 2.5	PASS
		VN	TN	-0.65	-0.000379	± 2.5	PASS
		VH	TN	-1.67	-0.000974	± 2.5	PASS
	MCH	VL	TN	-1.87	-0.001079	± 2.5	PASS
		VN	TN	-0.61	-0.000352	± 2.5	PASS
		VH	TN	1.09	0.000629	± 2.5	PASS
	HCH	VL	TN	-0.43	-0.000246	± 2.5	PASS
		VN	TN	0.6	0.000343	± 2.5	PASS
		VH	TN	3.04	0.001737	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	4.09	0.002385	± 2.5	PASS
		VN	-20	-0.78	-0.000455	± 2.5	PASS
		VN	-10	4.39	0.002560	± 2.5	PASS
		VN	0	3.46	0.002017	± 2.5	PASS
		VN	10	4.64	0.002706	± 2.5	PASS
		VN	20	1.72	0.001003	± 2.5	PASS
		VN	30	1.15	0.000671	± 2.5	PASS
		VN	40	3.31	0.001930	± 2.5	PASS
		VN	50	-0.41	-0.000239	± 2.5	PASS
	MCH	VN	-30	-0.93	-0.000537	± 2.5	PASS
		VN	-20	3.09	0.001784	± 2.5	PASS
		VN	-10	1.45	0.000837	± 2.5	PASS
		VN	0	1.67	0.000964	± 2.5	PASS
		VN	10	1.85	0.001068	± 2.5	PASS
		VN	20	1.78	0.001027	± 2.5	PASS

	VN	30	1.54	0.000889	± 2.5	PASS	
		40	-0.18	-0.000104	± 2.5	PASS	
		50	-0.86	-0.000496	± 2.5	PASS	
	HCH	VN	-30	-1.16	-0.000663	± 2.5	PASS
		VN	-20	-0.12	-0.000069	± 2.5	PASS
		VN	-10	4.08	0.002331	± 2.5	PASS
		VN	0	-0.93	-0.000531	± 2.5	PASS
		VN	10	0.6	0.000343	± 2.5	PASS
		VN	20	3.05	0.001743	± 2.5	PASS
		VN	30	3.35	0.001914	± 2.5	PASS
		VN	40	3.6	0.002057	± 2.5	PASS
		VN	50	1.14	0.000651	± 2.5	PASS
QPSK	LCH	VN	-30	0.62	0.000358	± 2.5	PASS
		VN	-20	-1.65	-0.000952	± 2.5	PASS
		VN	-10	-1.78	-0.001027	± 2.5	PASS
		VN	0	-1.95	-0.001126	± 2.5	PASS
		VN	10	0.14	0.000081	± 2.5	PASS
		VN	20	-1.14	-0.000658	± 2.5	PASS
		VN	30	0.29	0.000167	± 2.5	PASS
		VN	40	-0.72	-0.000416	± 2.5	PASS
		VN	50	0.5	0.000289	± 2.5	PASS
	MCH	VN	-30	3.77	0.002154	± 2.5	PASS
		VN	-20	0.83	0.000474	± 2.5	PASS
		VN	-10	-0.42	-0.000240	± 2.5	PASS
		VN	0	0.91	0.000520	± 2.5	PASS
		VN	10	-1.87	-0.001069	± 2.5	PASS
		VN	20	1.66	0.000949	± 2.5	PASS
		VN	30	4.14	0.002366	± 2.5	PASS
		VN	40	4.57	0.002611	± 2.5	PASS
		VN	50	1.01	0.000577	± 2.5	PASS
	HCH	VN	-30	2.43	0.001389	± 2.5	PASS
		VN	-20	-1.55	-0.000886	± 2.5	PASS
		VN	-10	3.54	0.002023	± 2.5	PASS
		VN	0	3.92	0.002240	± 2.5	PASS
		VN	10	0.36	0.000206	± 2.5	PASS
		VN	20	2.68	0.001531	± 2.5	PASS
		VN	30	4.62	0.002640	± 2.5	PASS
		VN	40	1.81	0.001034	± 2.5	PASS
		VN	50	-1.09	-0.000623	± 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	3.11	0.001811	± 2.5	PASS
		VN	TN	4.38	0.002550	± 2.5	PASS
		VH	TN	0.76	0.000443	± 2.5	PASS
	MCH	VL	TN	3.99	0.002303	± 2.5	PASS
		VN	TN	-1.19	-0.000687	± 2.5	PASS
		VH	TN	2.32	0.001339	± 2.5	PASS
	HCH	VL	TN	3.51	0.002009	± 2.5	PASS
		VN	TN	4.51	0.002581	± 2.5	PASS
		VH	TN	4.33	0.002478	± 2.5	PASS
16QAM	LCH	VL	TN	3.28	0.001910	± 2.5	PASS
		VN	TN	0.3	0.000175	± 2.5	PASS
		VH	TN	0.79	0.000460	± 2.5	PASS
	MCH	VL	TN	-0.21	-0.000121	± 2.5	PASS
		VN	TN	0.21	0.000121	± 2.5	PASS
		VH	TN	4.65	0.002684	± 2.5	PASS
	HCH	VL	TN	3.55	0.002031	± 2.5	PASS
		VN	TN	-1.67	-0.000956	± 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	-0.16	-0.000093	± 2.5	PASS
		VN	-20	5	0.002911	± 2.5	PASS
		VN	-10	-1.39	-0.000809	± 2.5	PASS
		VN	0	0.63	0.000367	± 2.5	PASS
		VN	10	1.13	0.000658	± 2.5	PASS
		VN	20	0.49	0.000285	± 2.5	PASS
		VN	30	0.14	0.000082	± 2.5	PASS
		VN	40	-0.28	-0.000163	± 2.5	PASS
		VN	50	1.34	0.000780	± 2.5	PASS
	MCH	VN	-30	3.38	0.001951	± 2.5	PASS
		VN	-20	3.79	0.002188	± 2.5	PASS
		VN	-10	-1.33	-0.000768	± 2.5	PASS
		VN	0	3.43	0.001980	± 2.5	PASS
		VN	10	-0.65	-0.000375	± 2.5	PASS
		VN	20	4.94	0.002851	± 2.5	PASS

	VN	30	-1.33	-0.000768	± 2.5	PASS	
		40	-0.32	-0.000185	± 2.5	PASS	
		50	1.15	0.000664	± 2.5	PASS	
	HCH	VN	-30	-0.66	-0.000378	± 2.5	PASS
		VN	-20	-0.48	-0.000275	± 2.5	PASS
		VN	-10	3.01	0.001722	± 2.5	PASS
		VN	0	0.43	0.000246	± 2.5	PASS
		VN	10	2.84	0.001625	± 2.5	PASS
		VN	20	-1.44	-0.000824	± 2.5	PASS
		VN	30	2.38	0.001362	± 2.5	PASS
		VN	40	-1.68	-0.000961	± 2.5	PASS
		VN	50	-1.04	-0.000595	± 2.5	PASS
QPSK	LCH	VN	-30	0.99	0.000571	± 2.5	PASS
		VN	-20	-0.88	-0.000508	± 2.5	PASS
		VN	-10	4.65	0.002684	± 2.5	PASS
		VN	0	-1.93	-0.001114	± 2.5	PASS
		VN	10	3.75	0.002165	± 2.5	PASS
		VN	20	1.41	0.000814	± 2.5	PASS
		VN	30	2.19	0.001264	± 2.5	PASS
		VN	40	2.54	0.001466	± 2.5	PASS
		VN	50	-1.83	-0.001056	± 2.5	PASS
	MCH	VN	-30	0.01	0.000006	± 2.5	PASS
		VN	-20	4.64	0.002655	± 2.5	PASS
		VN	-10	0.97	0.000555	± 2.5	PASS
		VN	0	-0.17	-0.000097	± 2.5	PASS
		VN	10	0.95	0.000544	± 2.5	PASS
		VN	20	-0.73	-0.000418	± 2.5	PASS
		VN	30	4.96	0.002838	± 2.5	PASS
		VN	40	0.03	0.000017	± 2.5	PASS
		VN	50	-0.79	-0.000452	± 2.5	PASS
	HCH	VN	-30	-1.17	-0.000670	± 2.5	PASS
		VN	-20	-1.55	-0.000887	± 2.5	PASS
		VN	-10	1.37	0.000784	± 2.5	PASS
		VN	0	-0.53	-0.000303	± 2.5	PASS
		VN	10	3.25	0.001860	± 2.5	PASS
		VN	20	4.13	0.002363	± 2.5	PASS
		VN	30	-1.94	-0.001110	± 2.5	PASS
		VN	40	4.6	0.002632	± 2.5	PASS
		VN	50	0.1	0.000057	± 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	-0.82	-0.000477	± 2.5	PASS
		VN	TN	-0.25	-0.000145	± 2.5	PASS
		VH	TN	1.04	0.000605	± 2.5	PASS
	MCH	VL	TN	3.44	0.001986	± 2.5	PASS
		VN	TN	-0.53	-0.000306	± 2.5	PASS
		VH	TN	4.55	0.002626	± 2.5	PASS
	HCH	VL	TN	4.02	0.002304	± 2.5	PASS
		VN	TN	0.72	0.000413	± 2.5	PASS
		VH	TN	-1.81	-0.001037	± 2.5	PASS
16QAM	LCH	VL	TN	0.89	0.000517	± 2.5	PASS
		VN	TN	1.83	0.001064	± 2.5	PASS
		VH	TN	2.25	0.001308	± 2.5	PASS
	MCH	VL	TN	1.72	0.000993	± 2.5	PASS
		VN	TN	0.9	0.000519	± 2.5	PASS
		VH	TN	4.84	0.002794	± 2.5	PASS
	HCH	VL	TN	0.21	0.000120	± 2.5	PASS
		VN	TN	-1.3	-0.000745	± 2.5	PASS
		VH	TN	-1.17	-0.000670	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.45	-0.000843	± 2.5	PASS
		VN	-20	4.62	0.002686	± 2.5	PASS
		VN	-10	-1.12	-0.000651	± 2.5	PASS
		VN	0	2.41	0.001401	± 2.5	PASS
		VN	10	4.24	0.002465	± 2.5	PASS
		VN	20	1.62	0.000942	± 2.5	PASS
		VN	30	-0.23	-0.000134	± 2.5	PASS
		VN	40	3.02	0.001756	± 2.5	PASS
	MCH	VN	50	1.97	0.001145	± 2.5	PASS
		VN	-30	-0.81	-0.000468	± 2.5	PASS
		VN	-20	4.29	0.002476	± 2.5	PASS
		VN	-10	4.55	0.002626	± 2.5	PASS
		VN	0	3.23	0.001864	± 2.5	PASS
		VN	10	3.55	0.002049	± 2.5	PASS
VN	20	-1.78	-0.001027	± 2.5	PASS		

		VN	30	3.64	0.002101	± 2.5	PASS
		VN	40	1.62	0.000935	± 2.5	PASS
		VN	50	-1.27	-0.000733	± 2.5	PASS
	HCH	VN	-30	-0.75	-0.000430	± 2.5	PASS
		VN	-20	4.47	0.002562	± 2.5	PASS
		VN	-10	1.05	0.000602	± 2.5	PASS
		VN	0	3.09	0.001771	± 2.5	PASS
		VN	10	4.71	0.002699	± 2.5	PASS
		VN	20	1.56	0.000894	± 2.5	PASS
		VN	30	1.84	0.001054	± 2.5	PASS
		VN	40	4.28	0.002453	± 2.5	PASS
		VN	50	0.16	0.000092	± 2.5	PASS
QPSK	LCH	VN	-30	-1.66	-0.000958	± 2.5	PASS
		VN	-20	3.67	0.002118	± 2.5	PASS
		VN	-10	1.69	0.000975	± 2.5	PASS
		VN	0	4.46	0.002574	± 2.5	PASS
		VN	10	-0.5	-0.000289	± 2.5	PASS
		VN	20	-0.45	-0.000260	± 2.5	PASS
		VN	30	0.33	0.000190	± 2.5	PASS
		VN	40	-0.59	-0.000341	± 2.5	PASS
	MCH	VN	50	4.13	0.002384	± 2.5	PASS
		VN	-30	0.2	0.000115	± 2.5	PASS
		VN	-20	0.09	0.000052	± 2.5	PASS
		VN	-10	4.94	0.002831	± 2.5	PASS
		VN	0	2.33	0.001335	± 2.5	PASS
		VN	10	-1.87	-0.001072	± 2.5	PASS
		VN	20	2.54	0.001456	± 2.5	PASS
		VN	30	1.39	0.000797	± 2.5	PASS
		VN	40	2.76	0.001582	± 2.5	PASS
	HCH	VN	50	0.06	0.000034	± 2.5	PASS
		VN	-30	1.31	0.000751	± 2.5	PASS
		VN	-20	-2	-0.001146	± 2.5	PASS
		VN	-10	1.97	0.001129	± 2.5	PASS
		VN	0	2.16	0.001238	± 2.5	PASS
		VN	10	-0.28	-0.000160	± 2.5	PASS
		VN	20	-1.91	-0.001095	± 2.5	PASS
VN		30	1.86	0.001066	± 2.5	PASS	
VN	40	-1.11	-0.000636	± 2.5	PASS		
VN	50	2.97	0.001702	± 2.5	PASS		