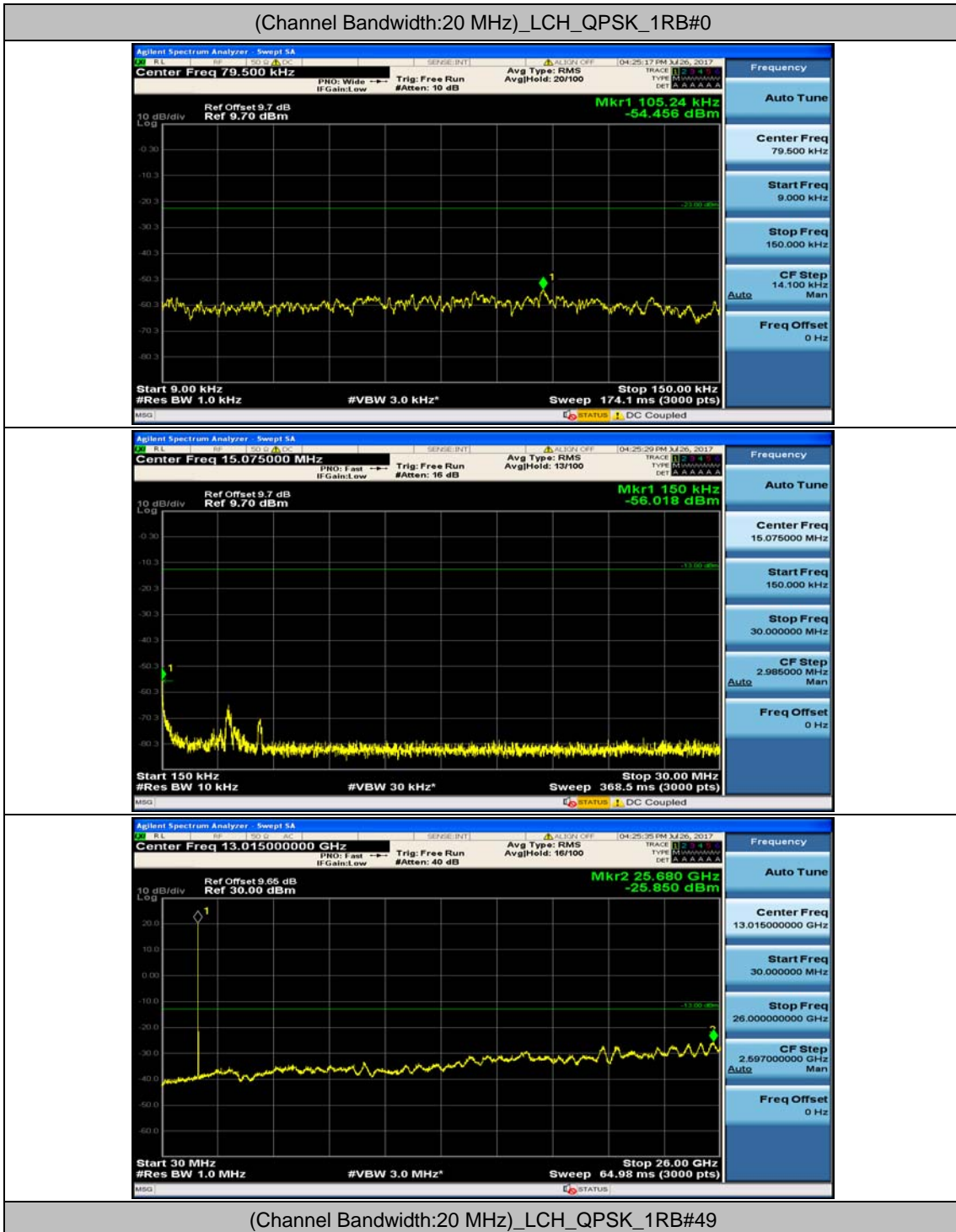
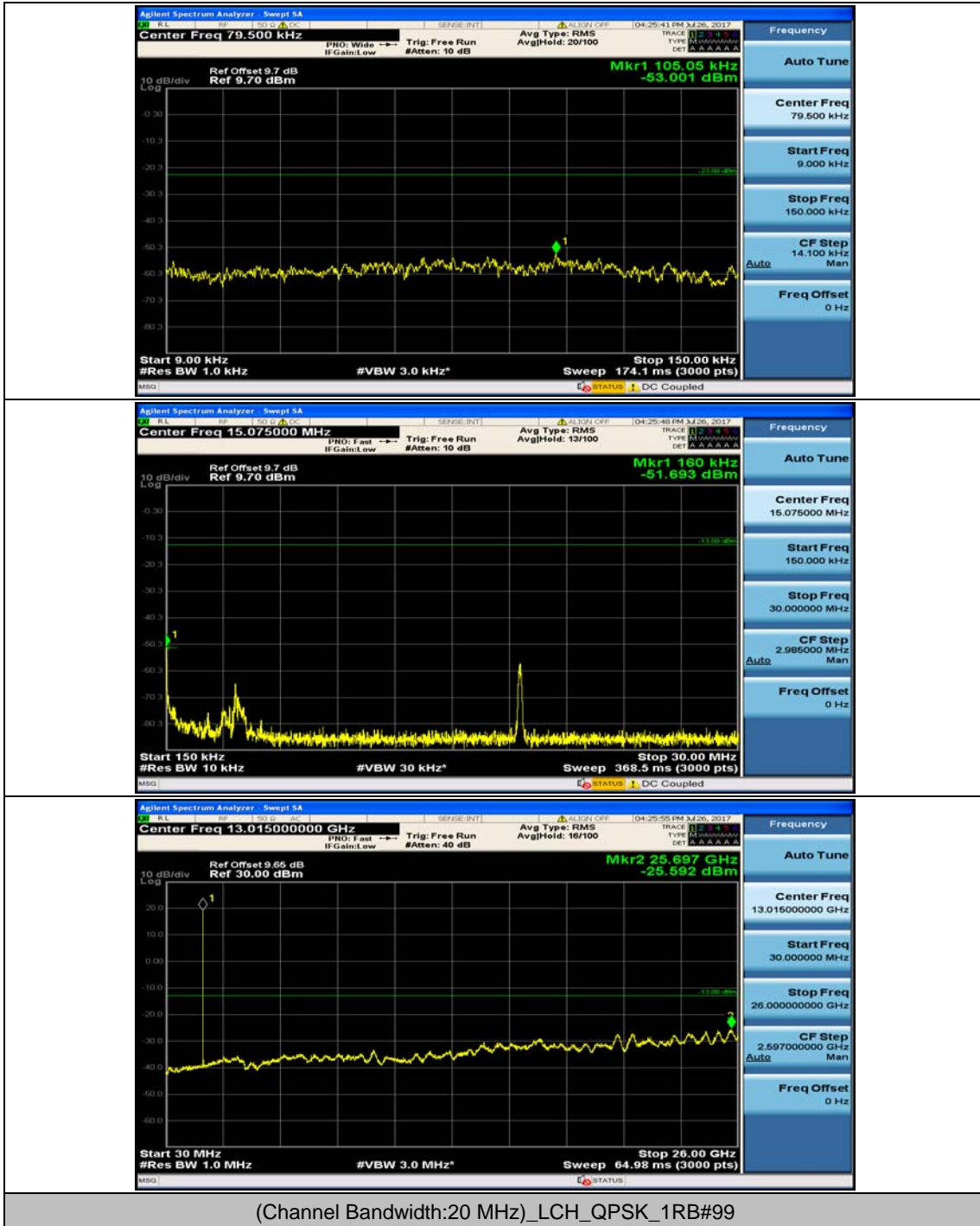
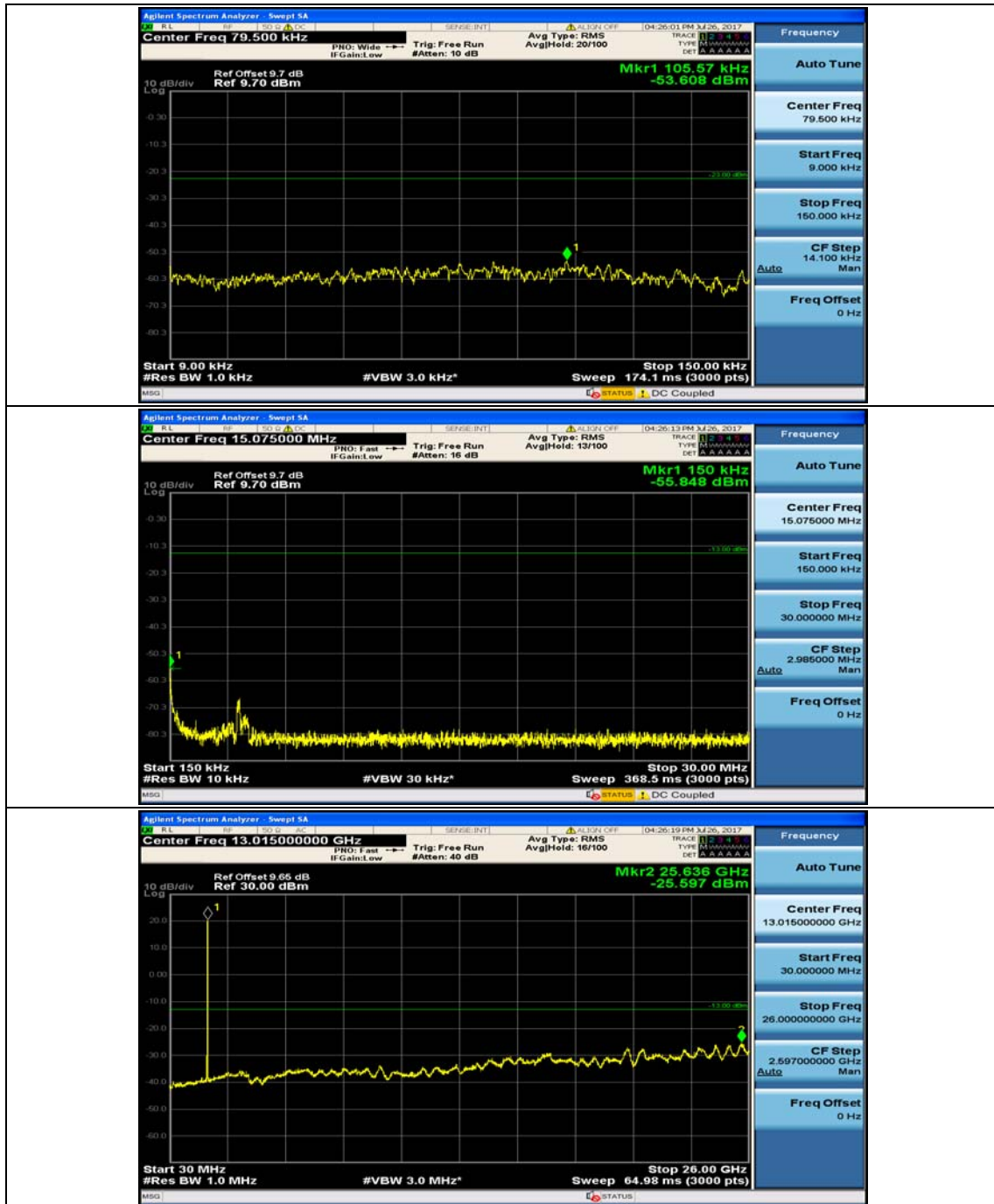


### Channel Bandwidth: 20 MHz

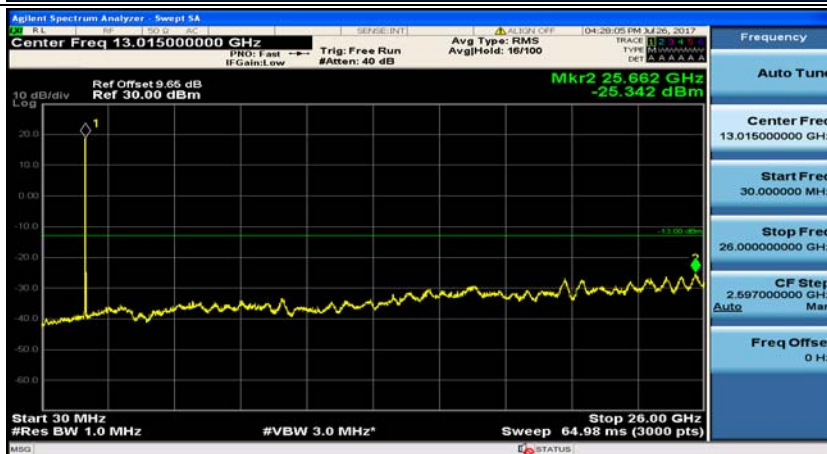
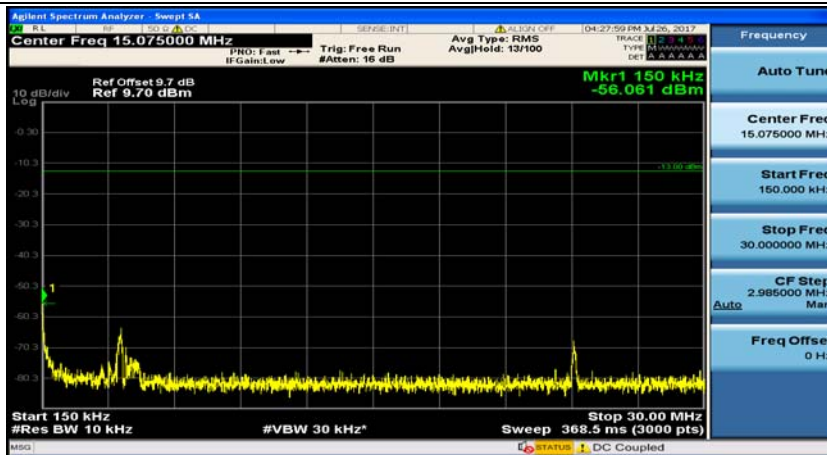




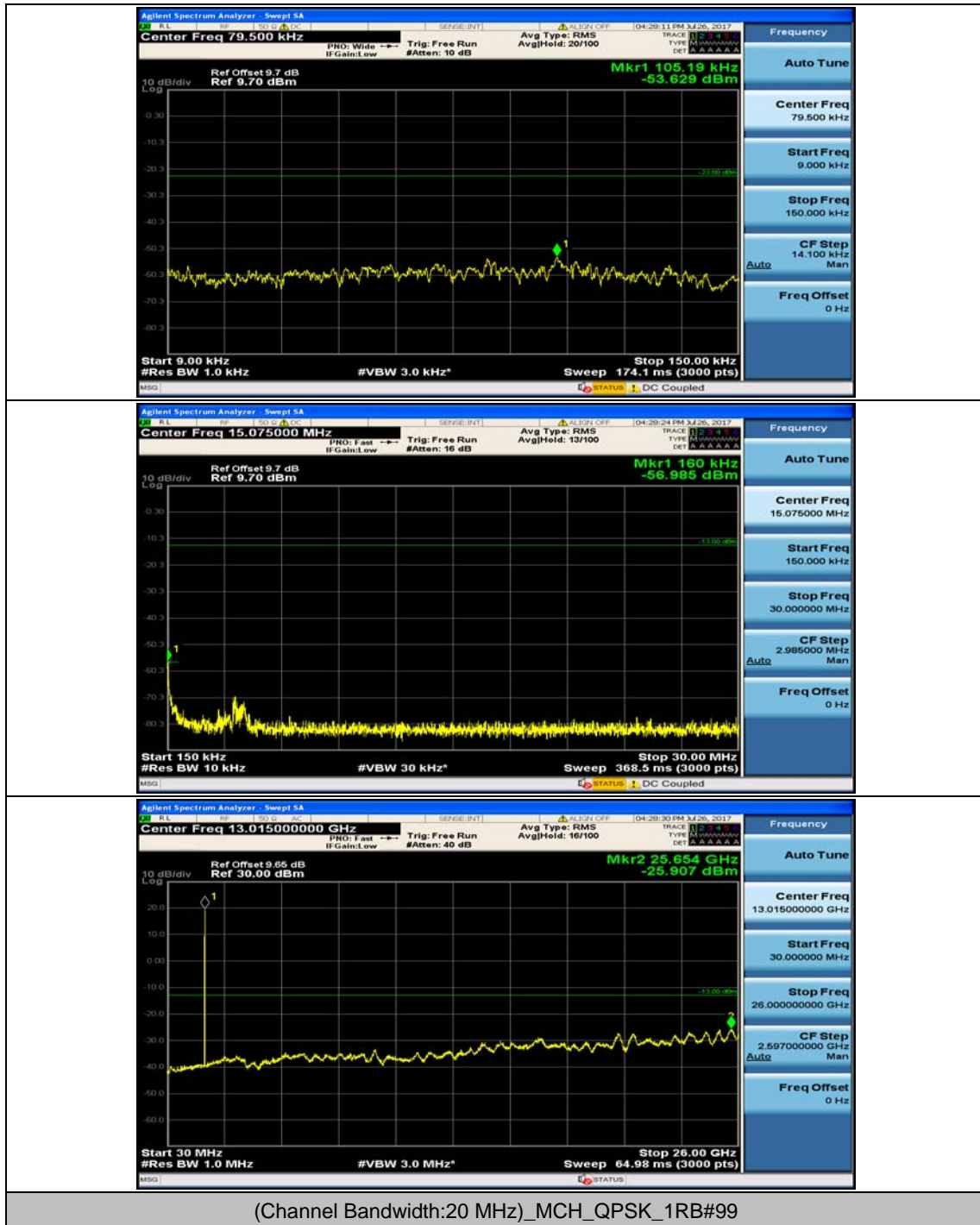


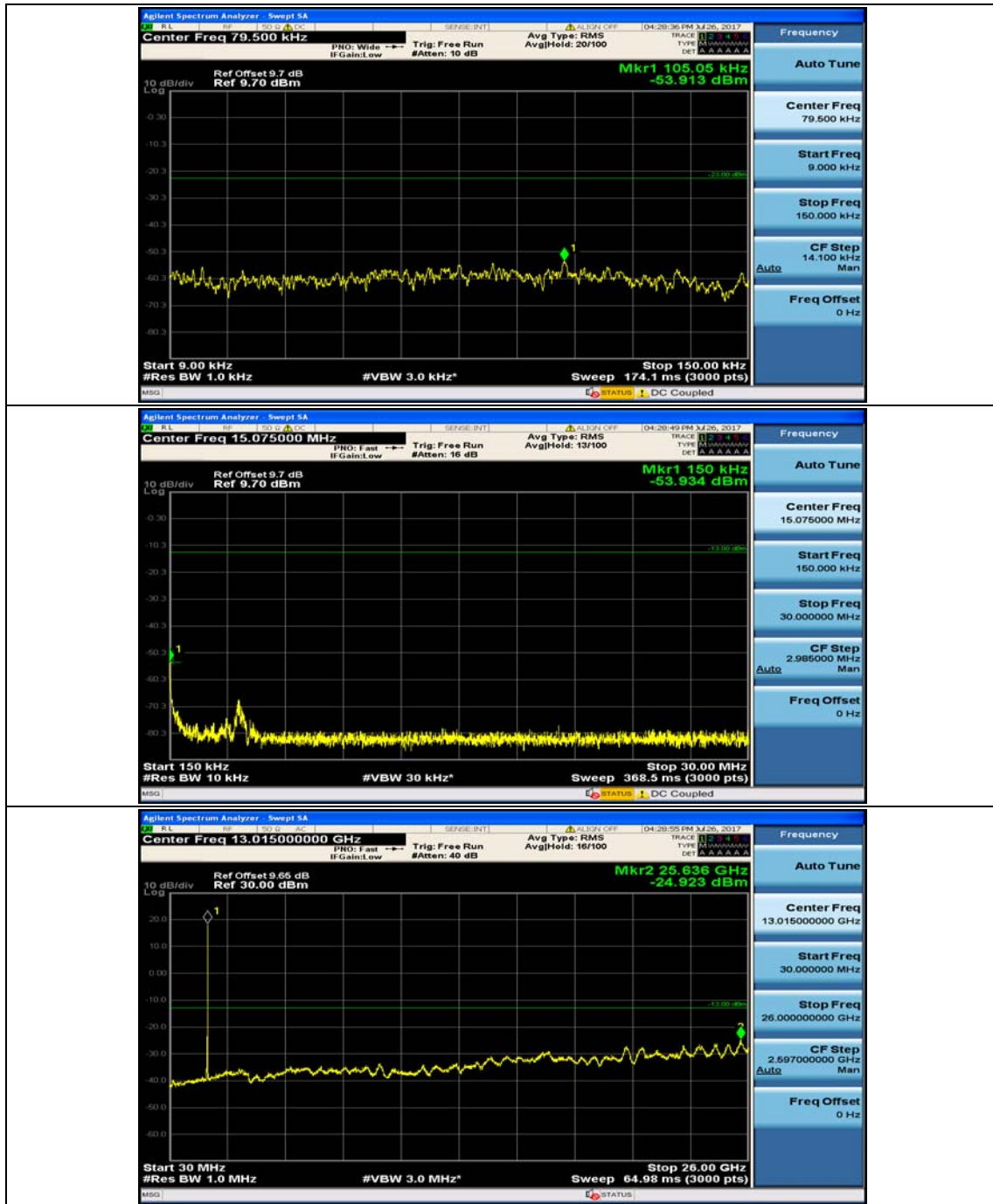


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0



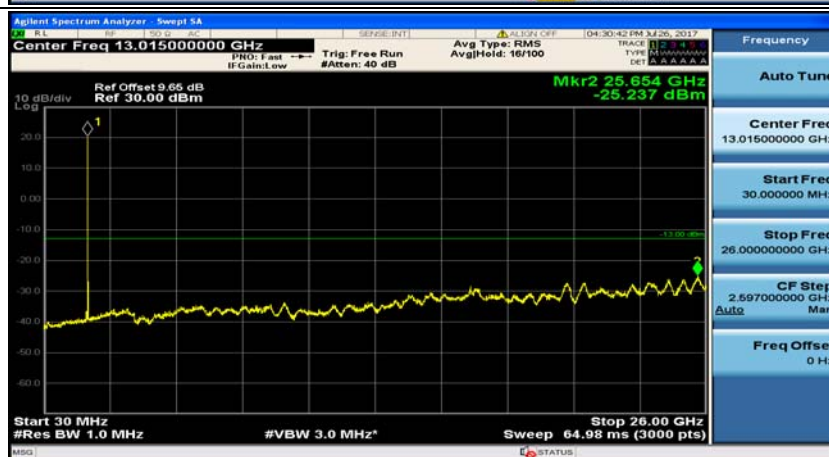
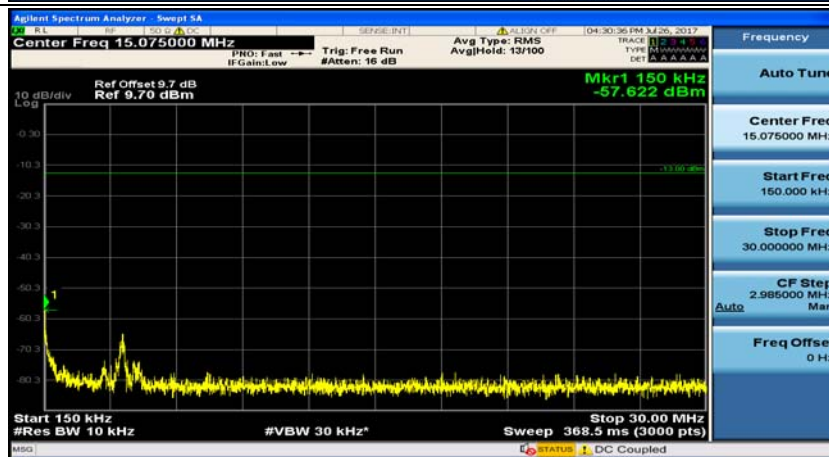
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49



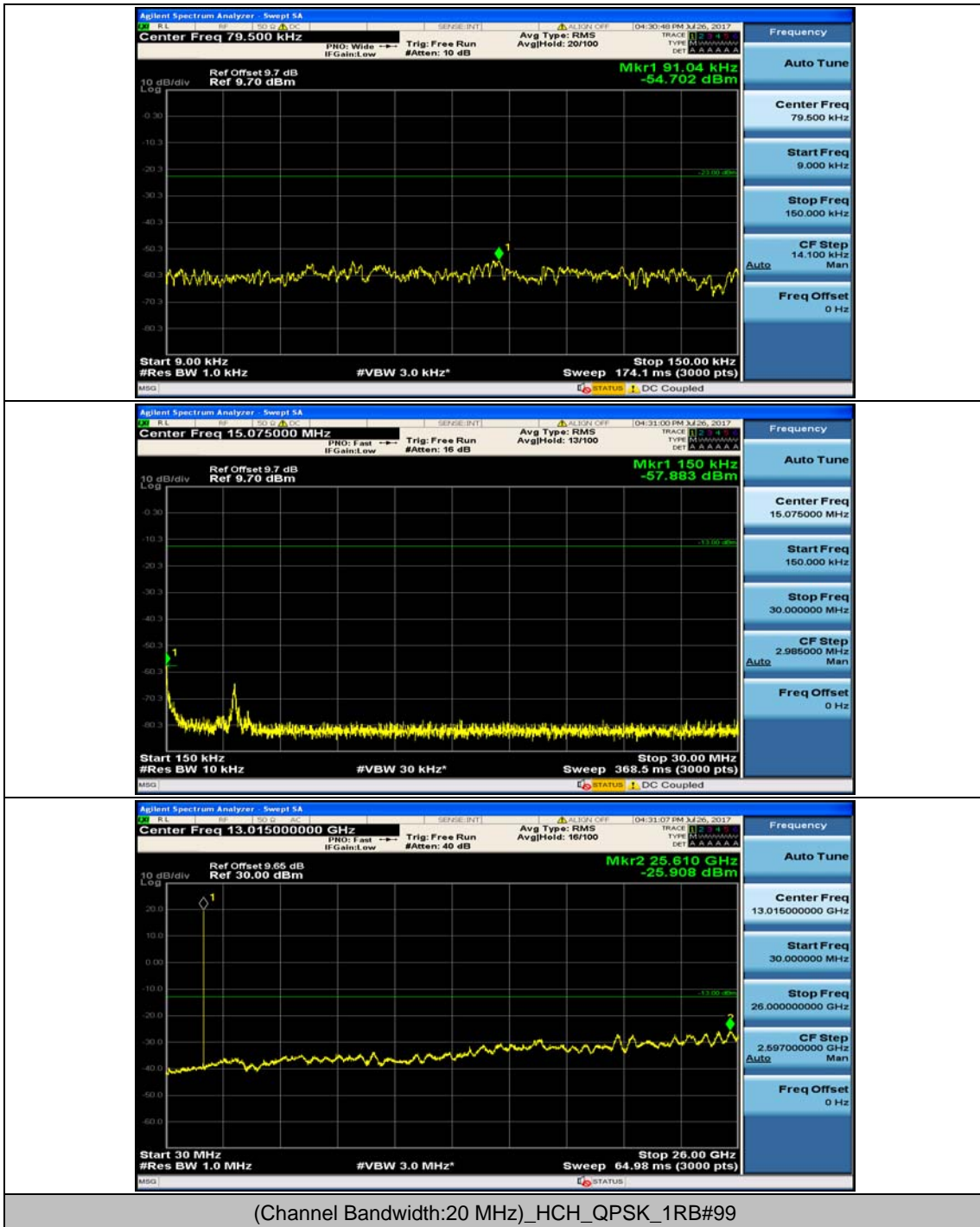


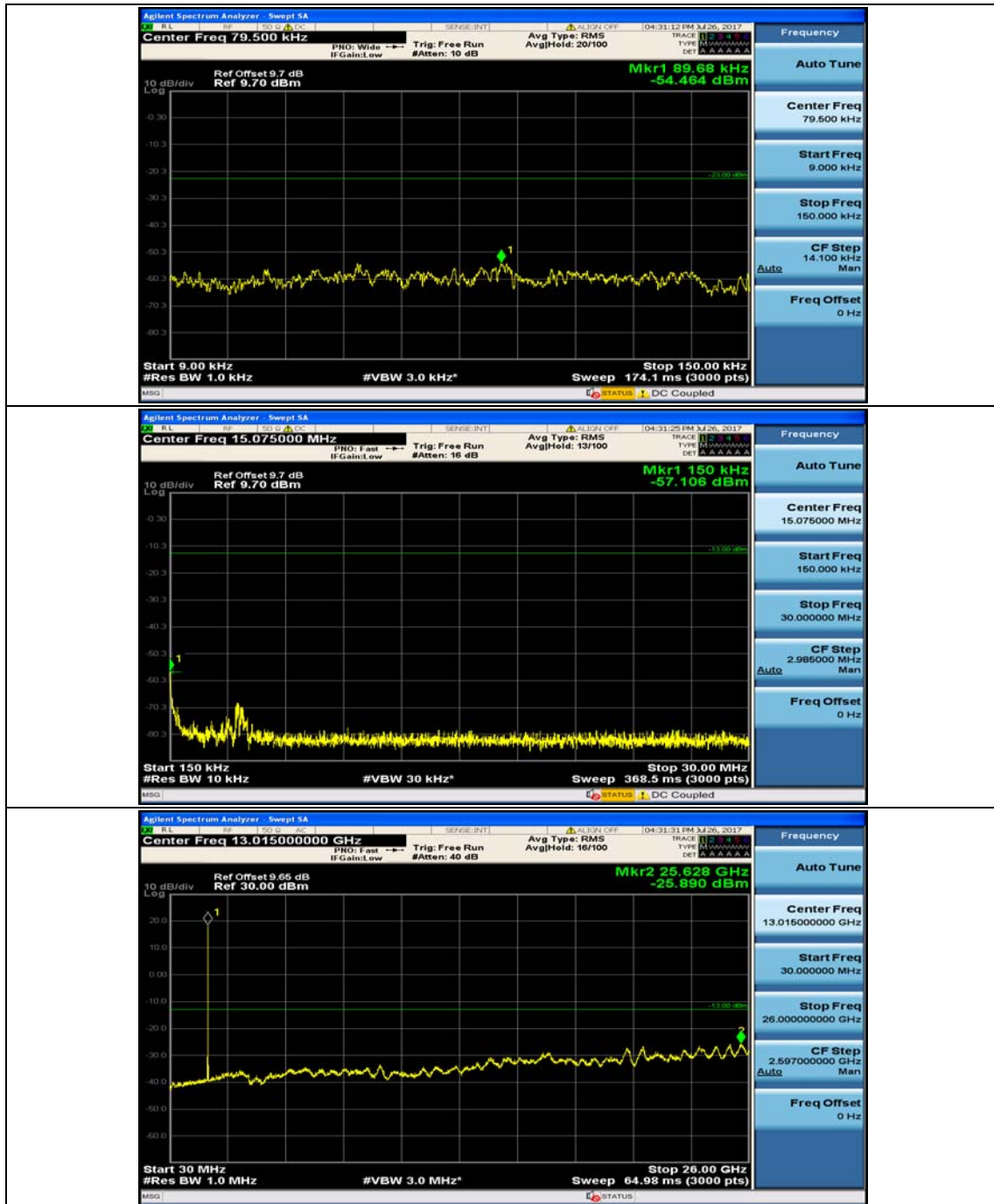


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

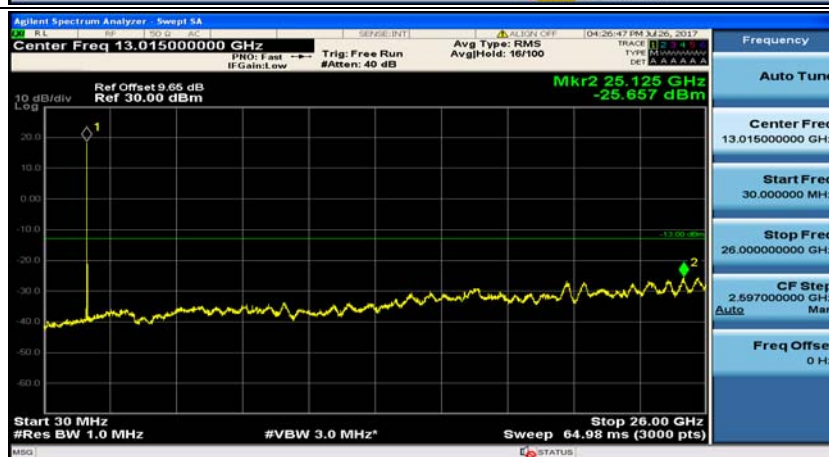
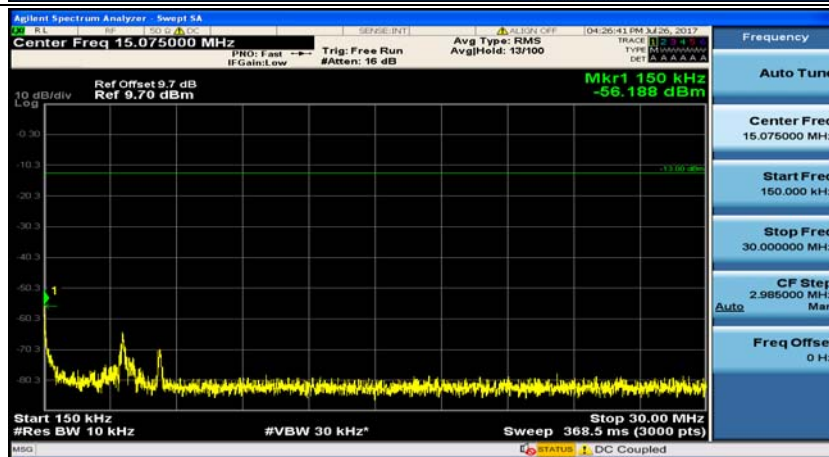
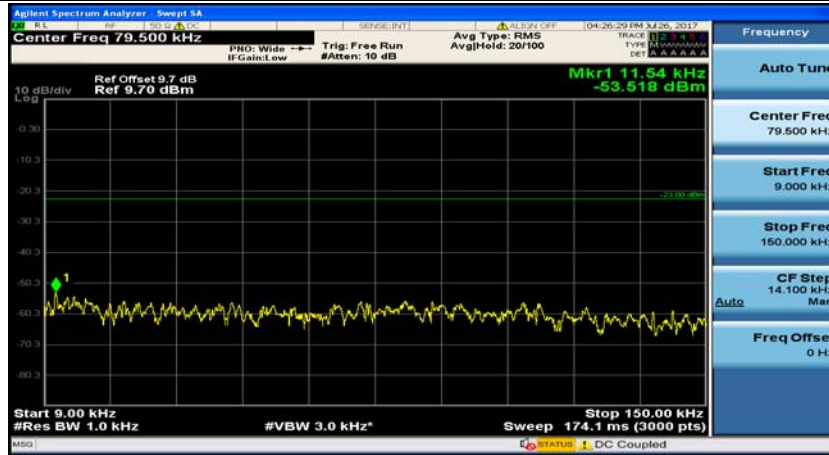


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49

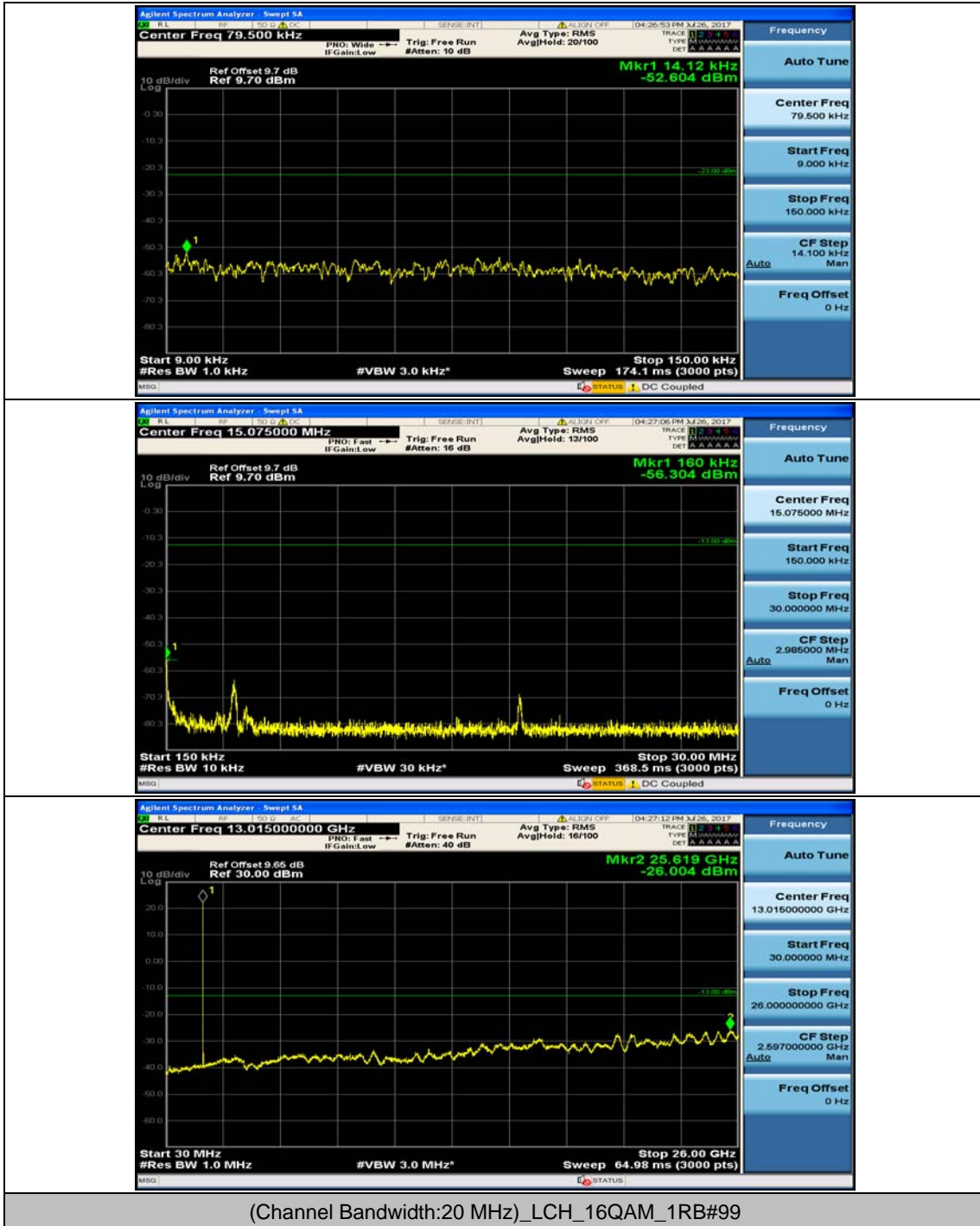




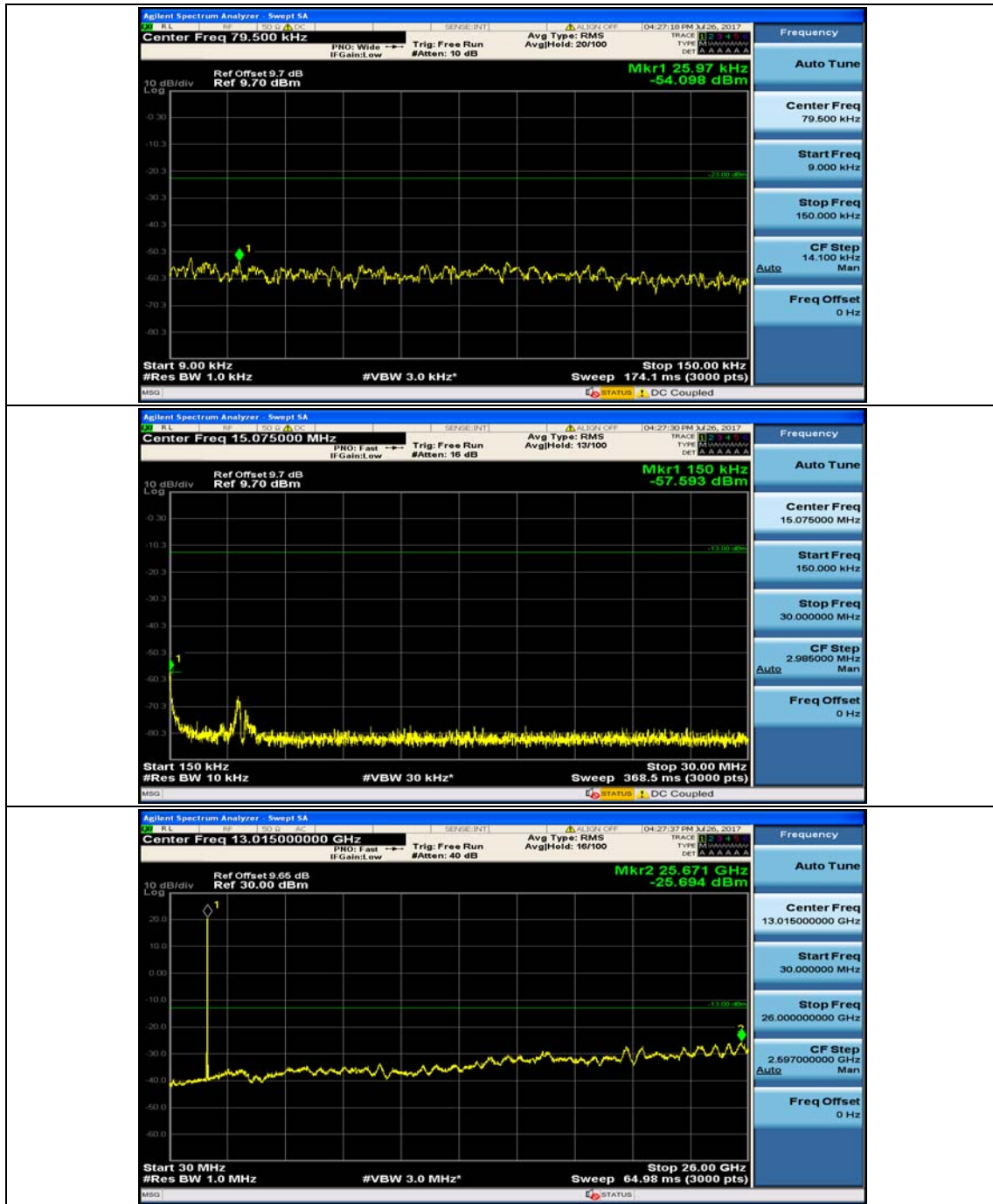
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



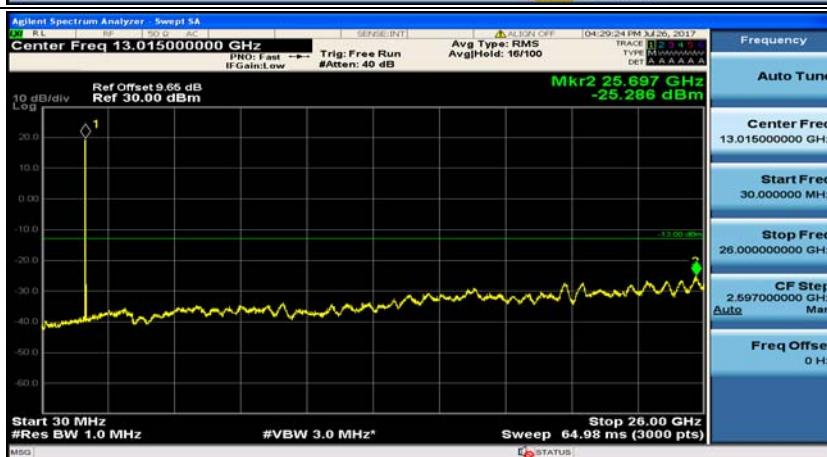
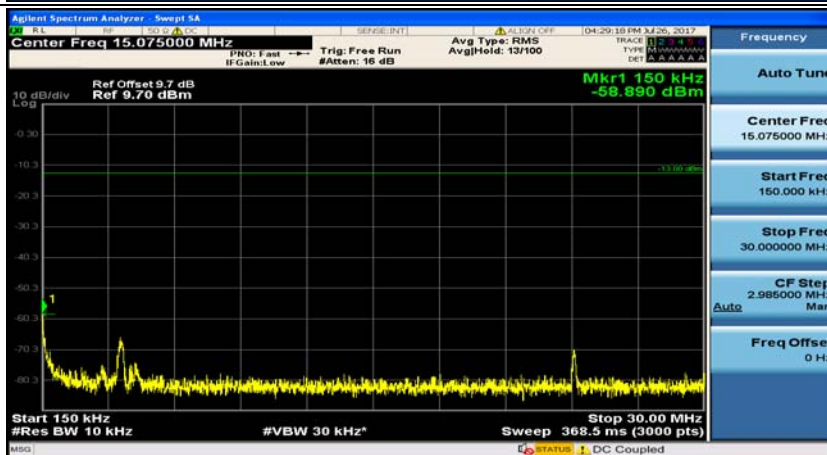
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49



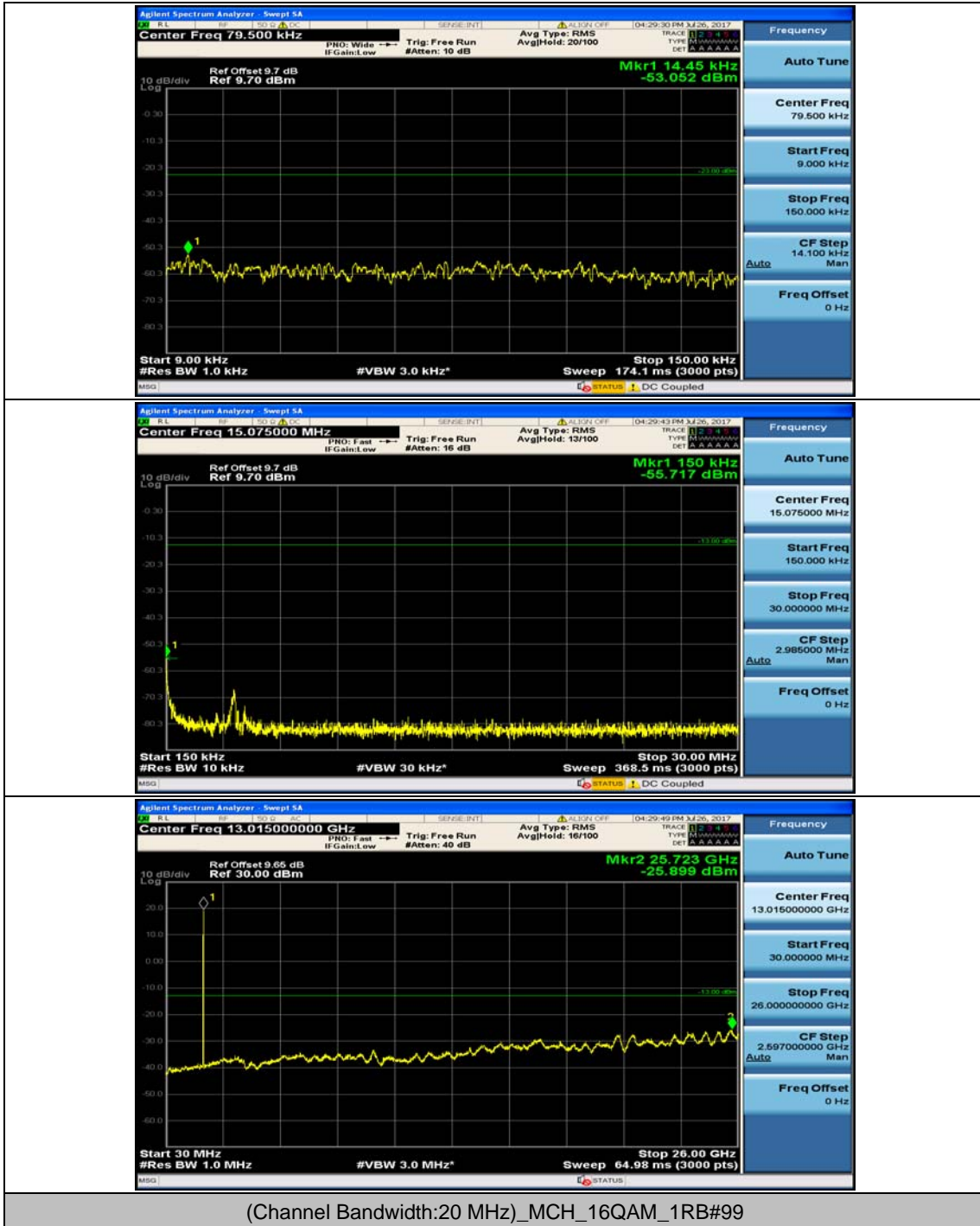


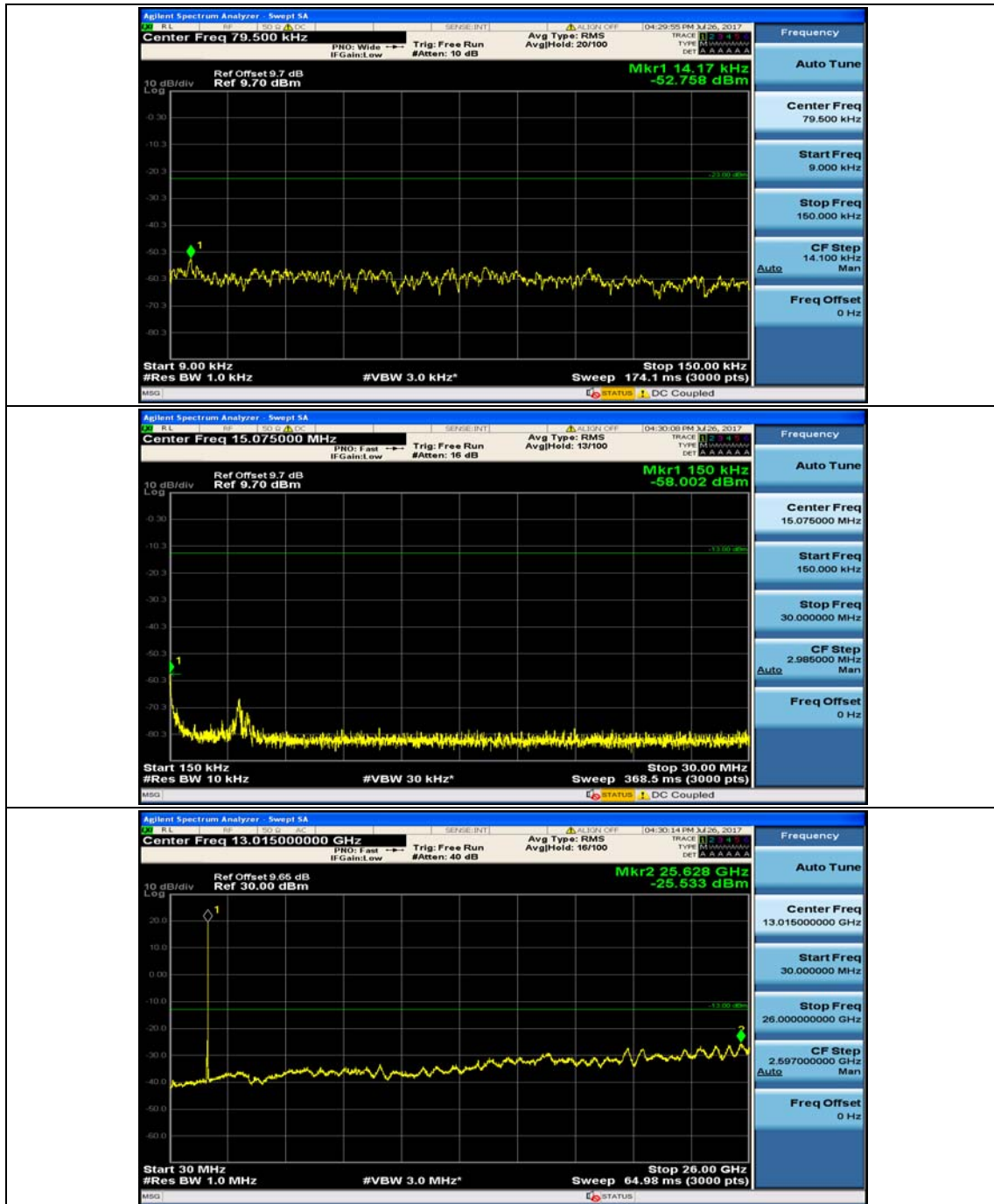


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

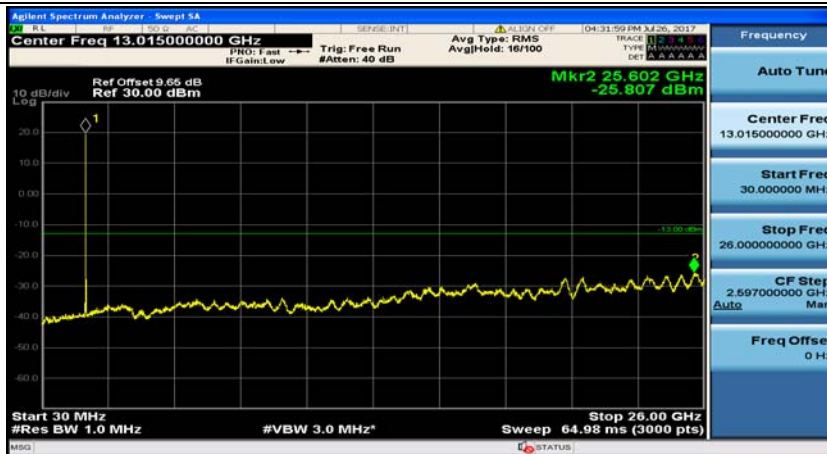
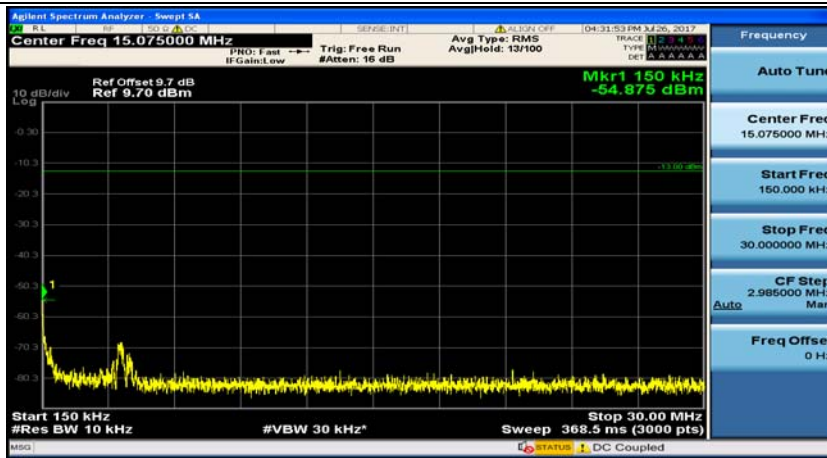


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49



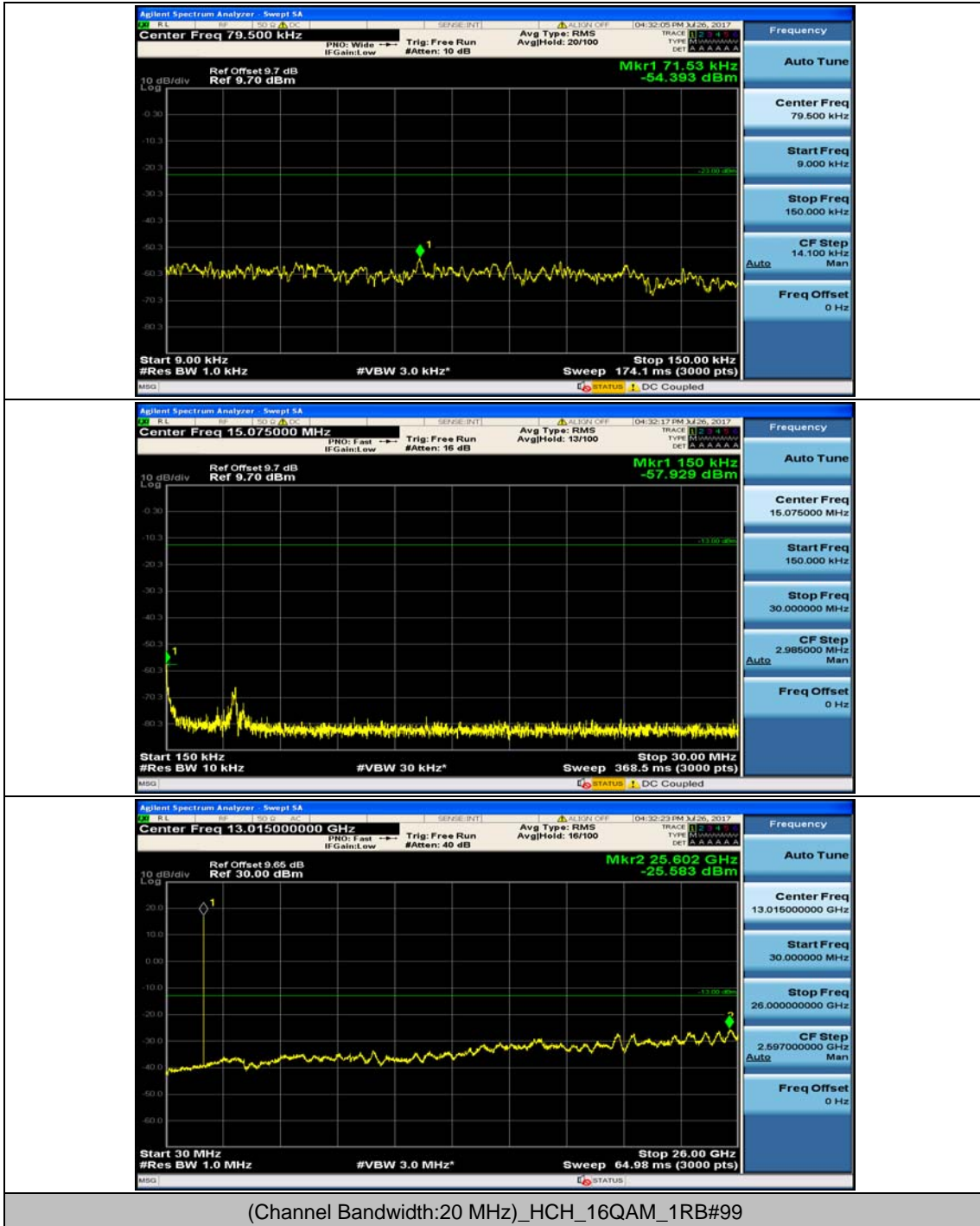


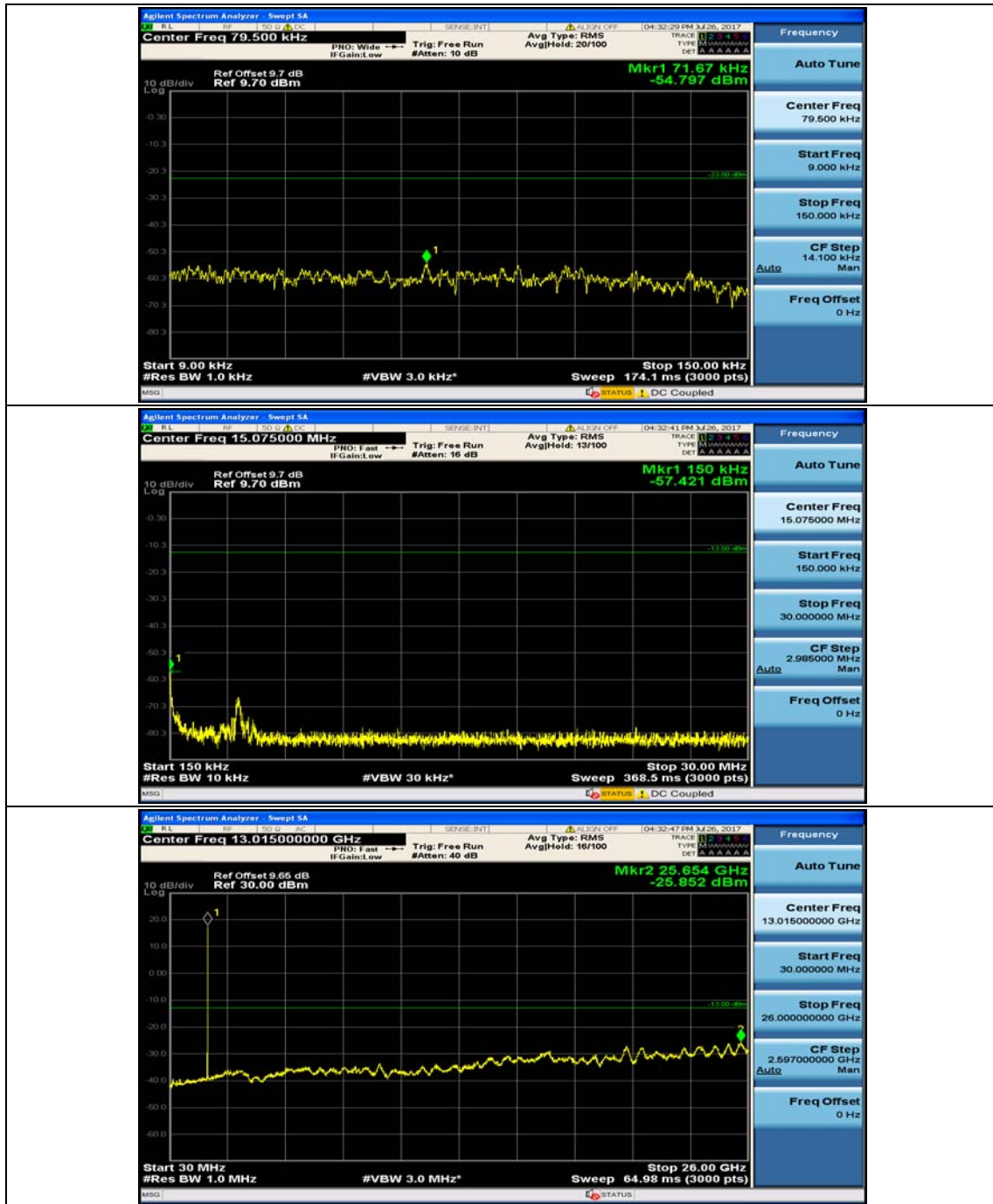
(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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	1.38	0.000802	± 2.5	PASS
		VN	TN	2.67	0.001552	± 2.5	PASS
		VH	TN	3.53	0.002052	± 2.5	PASS
	MCH	VL	TN	4.42	0.002551	± 2.5	PASS
		VN	TN	-1.28	-0.000739	± 2.5	PASS
		VH	TN	4.71	0.002719	± 2.5	PASS
	HCH	VL	TN	4.65	0.002665	± 2.5	PASS
		VN	TN	4.8	0.002751	± 2.5	PASS
		VH	TN	2.06	0.001181	± 2.5	PASS
16QAM	LCH	VL	TN	-1.34	-0.000779	± 2.5	PASS
		VN	TN	0.2	0.000116	± 2.5	PASS
		VH	TN	-0.53	-0.000308	± 2.5	PASS
	MCH	VL	TN	2.75	0.001587	± 2.5	PASS
		VN	TN	-0.11	-0.000063	± 2.5	PASS
		VH	TN	-1.01	-0.000583	± 2.5	PASS
	HCH	VL	TN	4.58	0.002625	± 2.5	PASS
		VN	TN	-0.18	-0.000103	± 2.5	PASS
		VH	TN	-0.33	-0.000189	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.6	0.000930	± 2.5	PASS
		VN	-20	3.51	0.002041	± 2.5	PASS
		VN	-10	2.64	0.001535	± 2.5	PASS
		VN	0	1.77	0.001029	± 2.5	PASS
		VN	10	3.13	0.001820	± 2.5	PASS
		VN	20	2.38	0.001384	± 2.5	PASS
		VN	30	-1.7	-0.000988	± 2.5	PASS
		VN	40	2.96	0.001721	± 2.5	PASS
	MCH	VN	-30	0.58	0.000335	± 2.5	PASS
		VN	-20	1.93	0.001114	± 2.5	PASS

		VN	-10	1.21	0.000698	± 2.5	PASS		
		VN	0	1.99	0.001149	± 2.5	PASS		
		VN	10	-0.5	-0.000289	± 2.5	PASS		
		VN	20	4.09	0.002361	± 2.5	PASS		
		VN	30	3.91	0.002257	± 2.5	PASS		
		VN	40	2.28	0.001316	± 2.5	PASS		
		VN	50	4.17	0.002407	± 2.5	PASS		
	HCH	VN	-30	-1.54	-0.000883	± 2.5	PASS		
		VN	-20	2.19	0.001255	± 2.5	PASS		
		VN	-10	-1.45	-0.000831	± 2.5	PASS		
		VN	0	-0.3	-0.000172	± 2.5	PASS		
		VN	10	2.94	0.001685	± 2.5	PASS		
		VN	20	4.44	0.002544	± 2.5	PASS		
		VN	30	3.96	0.002269	± 2.5	PASS		
		VN	40	3.77	0.002160	± 2.5	PASS		
		VN	50	1.78	0.001020	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.85	0.001068	± 2.5	PASS
				VN	-20	-0.46	-0.000266	± 2.5	PASS
VN	-10			4.27	0.002465	± 2.5	PASS		
VN	0			-1.72	-0.000993	± 2.5	PASS		
VN	10			-1.91	-0.001102	± 2.5	PASS		
VN	20			3.35	0.001934	± 2.5	PASS		
VN	30			4.67	0.002696	± 2.5	PASS		
VN	40			3.67	0.002118	± 2.5	PASS		
VN	50			3.81	0.002199	± 2.5	PASS		
MCH	VN		-30	3.71	0.002126	± 2.5	PASS		
	VN		-20	3.95	0.002264	± 2.5	PASS		
	VN		-10	1.99	0.001140	± 2.5	PASS		
	VN		0	-1.52	-0.000871	± 2.5	PASS		
	VN		10	0.61	0.000350	± 2.5	PASS		
	VN		20	-1.26	-0.000722	± 2.5	PASS		
	VN		30	-0.4	-0.000229	± 2.5	PASS		
	VN		40	3.72	0.002132	± 2.5	PASS		
	VN		50	4.03	0.002309	± 2.5	PASS		
HCH	VN		-30	1.69	0.000968	± 2.5	PASS		
	VN		-20	4.83	0.002768	± 2.5	PASS		
	VN		-10	4.94	0.002831	± 2.5	PASS		
	VN		0	4.85	0.002779	± 2.5	PASS		
	VN		10	4.25	0.002436	± 2.5	PASS		
	VN		20	-0.73	-0.000418	± 2.5	PASS		
	VN		30	3.26	0.001868	± 2.5	PASS		

		VN	40	-0.28	-0.000160	± 2.5	PASS
		VN	50	4.36	0.002499	± 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	4.05	0.002355	± 2.5	PASS
		VN	TN	2.49	0.001448	± 2.5	PASS
		VH	TN	3.5	0.002035	± 2.5	PASS
	MCH	VL	TN	3.26	0.001882	± 2.5	PASS
		VN	TN	2.69	0.001553	± 2.5	PASS
		VH	TN	4.76	0.002747	± 2.5	PASS
	HCH	VL	TN	1.73	0.000991	± 2.5	PASS
		VN	TN	4.79	0.002745	± 2.5	PASS
		VH	TN	3.24	0.001857	± 2.5	PASS
16QAM	LCH	VL	TN	-0.94	-0.000547	± 2.5	PASS
		VN	TN	2.87	0.001669	± 2.5	PASS
		VH	TN	1.36	0.000791	± 2.5	PASS
	MCH	VL	TN	0.31	0.000179	± 2.5	PASS
		VN	TN	2.49	0.001437	± 2.5	PASS
		VH	TN	1.59	0.000918	± 2.5	PASS
	HCH	VL	TN	-1.51	-0.000865	± 2.5	PASS
		VN	TN	-1.71	-0.000980	± 2.5	PASS
		VH	TN	3.15	0.001805	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.97	0.002308	± 2.5	PASS
		VN	-20	-1.26	-0.000733	± 2.5	PASS
		VN	-10	-1.06	-0.000616	± 2.5	PASS
		VN	0	3.7	0.002151	± 2.5	PASS
		VN	10	-0.63	-0.000366	± 2.5	PASS
		VN	20	4.67	0.002715	± 2.5	PASS
		VN	30	3.8	0.002209	± 2.5	PASS
		VN	40	3.27	0.001901	± 2.5	PASS
		VN	50	1.91	0.001110	± 2.5	PASS
	MCH	VN	-30	-1.91	-0.001102	± 2.5	PASS
		VN	-20	-0.61	-0.000352	± 2.5	PASS
		VN	-10	-0.6	-0.000346	± 2.5	PASS



		VN	0	4.2	0.002424	± 2.5	PASS		
		VN	10	2.93	0.001691	± 2.5	PASS		
		VN	20	-1.44	-0.000831	± 2.5	PASS		
		VN	30	0.92	0.000531	± 2.5	PASS		
		VN	40	3.07	0.001772	± 2.5	PASS		
		VN	50	0.85	0.000491	± 2.5	PASS		
	HCH	VN	-30	-1.01	-0.000579	± 2.5	PASS		
		VN	-20	2.14	0.001226	± 2.5	PASS		
		VN	-10	2.23	0.001278	± 2.5	PASS		
		VN	0	1.24	0.000711	± 2.5	PASS		
		VN	10	4.42	0.002533	± 2.5	PASS		
		VN	20	3.07	0.001759	± 2.5	PASS		
		VN	30	-1.03	-0.000590	± 2.5	PASS		
		VN	40	-1.86	-0.001066	± 2.5	PASS		
		VN	50	0.89	0.000510	± 2.5	PASS		
		QPSK	LCH	VN	-30	4.67	0.002696	± 2.5	PASS
				VN	-20	4.2	0.002424	± 2.5	PASS
				VN	-10	2.29	0.001322	± 2.5	PASS
VN	0			-0.25	-0.000144	± 2.5	PASS		
VN	10			3.99	0.002303	± 2.5	PASS		
VN	20			3.62	0.002089	± 2.5	PASS		
VN	30			2.64	0.001524	± 2.5	PASS		
VN	40			1.67	0.000964	± 2.5	PASS		
VN	50			3.04	0.001755	± 2.5	PASS		
MCH	VN		-30	3.69	0.002115	± 2.5	PASS		
	VN		-20	0.93	0.000533	± 2.5	PASS		
	VN		-10	-0.36	-0.000206	± 2.5	PASS		
	VN		0	0.92	0.000527	± 2.5	PASS		
	VN		10	3.69	0.002115	± 2.5	PASS		
	VN		20	1.14	0.000653	± 2.5	PASS		
	VN		30	-1.6	-0.000917	± 2.5	PASS		
	VN		40	2.92	0.001673	± 2.5	PASS		
	VN		50	-0.62	-0.000355	± 2.5	PASS		
HCH	VN		-30	1.14	0.000653	± 2.5	PASS		
	VN		-20	4.11	0.002355	± 2.5	PASS		
	VN		-10	2.18	0.001249	± 2.5	PASS		
	VN		0	2.21	0.001266	± 2.5	PASS		
	VN		10	2.37	0.001358	± 2.5	PASS		
	VN		20	-1.7	-0.000974	± 2.5	PASS		
	VN		30	-0.85	-0.000487	± 2.5	PASS		
	VN		40	3.39	0.001943	± 2.5	PASS		

		VN	50	4.26	0.002441	± 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	4.18	0.002430	± 2.5	PASS
		VN	TN	1.39	0.000808	± 2.5	PASS
		VH	TN	2.97	0.001727	± 2.5	PASS
	MCH	VL	TN	4.57	0.002638	± 2.5	PASS
		VN	TN	-0.57	-0.000329	± 2.5	PASS
		VH	TN	-1.75	-0.001010	± 2.5	PASS
	HCH	VL	TN	-1.5	-0.000860	± 2.5	PASS
		VN	TN	4.82	0.002762	± 2.5	PASS
		VH	TN	4.37	0.002504	± 2.5	PASS
16QAM	LCH	VL	TN	-1.98	-0.001151	± 2.5	PASS
		VN	TN	-1.37	-0.000797	± 2.5	PASS
		VH	TN	1.9	0.001105	± 2.5	PASS
	MCH	VL	TN	1.55	0.000895	± 2.5	PASS
		VN	TN	-1.86	-0.001074	± 2.5	PASS
		VH	TN	0.01	0.000006	± 2.5	PASS
	HCH	VL	TN	-0.17	-0.000097	± 2.5	PASS
		VN	TN	2.56	0.001467	± 2.5	PASS
		VH	TN	2.76	0.001582	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.19	0.001855	± 2.5	PASS
		VN	-20	4.4	0.002558	± 2.5	PASS
		VN	-10	0.75	0.000436	± 2.5	PASS
		VN	0	-0.6	-0.000349	± 2.5	PASS
		VN	10	0.74	0.000430	± 2.5	PASS
		VN	20	2.07	0.001203	± 2.5	PASS
		VN	30	4.66	0.002709	± 2.5	PASS
		VN	40	2.66	0.001547	± 2.5	PASS
		VN	50	0.07	0.000041	± 2.5	PASS
	MCH	VN	-30	-1.67	-0.000964	± 2.5	PASS
		VN	-20	-0.07	-0.000040	± 2.5	PASS
		VN	-10	0.08	0.000046	± 2.5	PASS
		VN	0	-0.94	-0.000543	± 2.5	PASS

		VN	10	2.66	0.001535	± 2.5	PASS
		VN	20	3.03	0.001749	± 2.5	PASS
		VN	30	-0.38	-0.000219	± 2.5	PASS
		VN	40	3.27	0.001887	± 2.5	PASS
		VN	50	3.01	0.001737	± 2.5	PASS
	HCH	VN	-30	1.66	0.000951	± 2.5	PASS
		VN	-20	1.42	0.000814	± 2.5	PASS
		VN	-10	0.43	0.000246	± 2.5	PASS
		VN	0	3.73	0.002138	± 2.5	PASS
		VN	10	1.63	0.000934	± 2.5	PASS
		VN	20	1	0.000573	± 2.5	PASS
		VN	30	4	0.002292	± 2.5	PASS
		VN	40	4.67	0.002676	± 2.5	PASS
		VN	50	2.8	0.001605	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.85	-0.000491
VN	-20			-0.93	-0.000537	± 2.5	PASS
VN	-10			-0.56	-0.000323	± 2.5	PASS
VN	0			2.72	0.001570	± 2.5	PASS
VN	10			3.31	0.001911	± 2.5	PASS
VN	20			2.95	0.001703	± 2.5	PASS
VN	30			1.03	0.000595	± 2.5	PASS
VN	40			1.84	0.001062	± 2.5	PASS
VN	50			2.23	0.001287	± 2.5	PASS
MCH	VN		-30	-0.57	-0.000327	± 2.5	PASS
	VN		-20	3.12	0.001788	± 2.5	PASS
	VN		-10	3.14	0.001799	± 2.5	PASS
	VN		0	-1.85	-0.001060	± 2.5	PASS
	VN		10	4.29	0.002458	± 2.5	PASS
	VN		20	0.6	0.000344	± 2.5	PASS
	VN		30	2.21	0.001266	± 2.5	PASS
	VN		40	2.44	0.001398	± 2.5	PASS
	VN		50	0.26	0.000149	± 2.5	PASS
HCH	VN		-30	1.85	0.001060	± 2.5	PASS
	VN		-20	4.49	0.002573	± 2.5	PASS
	VN		-10	3.16	0.001811	± 2.5	PASS
	VN		0	4.24	0.002430	± 2.5	PASS
	VN		10	0.43	0.000246	± 2.5	PASS
	VN		20	1.31	0.000751	± 2.5	PASS
	VN		30	-0.64	-0.000367	± 2.5	PASS
	VN		40	-1.55	-0.000888	± 2.5	PASS
	VN		50	-0.65	-0.000372	± 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	-0.38	-0.000221	± 2.5	PASS
		VN	TN	0.16	0.000093	± 2.5	PASS
		VH	TN	1.77	0.001029	± 2.5	PASS
	MCH	VL	TN	-0.54	-0.000312	± 2.5	PASS
		VN	TN	3.04	0.001755	± 2.5	PASS
		VH	TN	3.74	0.002159	± 2.5	PASS
	HCH	VL	TN	4.24	0.002430	± 2.5	PASS
		VN	TN	-0.13	-0.000074	± 2.5	PASS
		VH	TN	-1.6	-0.000917	± 2.5	PASS
16QAM	LCH	VL	TN	4.05	0.002355	± 2.5	PASS
		VN	TN	2.93	0.001703	± 2.5	PASS
		VH	TN	3.1	0.001802	± 2.5	PASS
	MCH	VL	TN	1.04	0.000600	± 2.5	PASS
		VN	TN	-0.4	-0.000231	± 2.5	PASS
		VH	TN	-0.72	-0.000416	± 2.5	PASS
	HCH	VL	TN	-1.25	-0.000716	± 2.5	PASS
		VN	TN	-0.78	-0.000447	± 2.5	PASS
		VH	TN	-0.25	-0.000143	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	4.41	0.002564	± 2.5	PASS
		VN	-20	2.65	0.001541	± 2.5	PASS
		VN	-10	-1.55	-0.000901	± 2.5	PASS
		VN	0	-1.14	-0.000663	± 2.5	PASS
		VN	10	1.01	0.000587	± 2.5	PASS
		VN	20	1.4	0.000814	± 2.5	PASS
		VN	30	3.12	0.001814	± 2.5	PASS
		VN	40	0.72	0.000419	± 2.5	PASS
	MCH	VN	50	1.94	0.001128	± 2.5	PASS
		VN	-30	0.51	0.000294	± 2.5	PASS
		VN	-20	-1.85	-0.001068	± 2.5	PASS
		VN	-10	3.75	0.002165	± 2.5	PASS
		VN	0	2.57	0.001483	± 2.5	PASS
		VN	10	0.55	0.000317	± 2.5	PASS
		VN	20	0.61	0.000352	± 2.5	PASS

	VN	30	1.95	0.001126	± 2.5	PASS	
		40	3.82	0.002205	± 2.5	PASS	
		50	0.82	0.000473	± 2.5	PASS	
	HCH	VN	-30	-1.3	-0.000745	± 2.5	PASS
		VN	-20	1.61	0.000923	± 2.5	PASS
		VN	-10	4.82	0.002762	± 2.5	PASS
		VN	0	2.27	0.001301	± 2.5	PASS
		VN	10	4.74	0.002716	± 2.5	PASS
		VN	20	3.61	0.002069	± 2.5	PASS
		VN	30	4.4	0.002521	± 2.5	PASS
		VN	40	2.78	0.001593	± 2.5	PASS
		VN	50	-1.59	-0.000911	± 2.5	PASS
QPSK	LCH	VN	-30	4.71	0.002719	± 2.5	PASS
		VN	-20	4.83	0.002788	± 2.5	PASS
		VN	-10	-1.44	-0.000831	± 2.5	PASS
		VN	0	0.99	0.000571	± 2.5	PASS
		VN	10	2.02	0.001166	± 2.5	PASS
		VN	20	0.3	0.000173	± 2.5	PASS
		VN	30	-1.54	-0.000889	± 2.5	PASS
		VN	40	-0.06	-0.000035	± 2.5	PASS
		VN	50	2.29	0.001322	± 2.5	PASS
	MCH	VN	-30	1.87	0.001072	± 2.5	PASS
		VN	-20	-1.14	-0.000653	± 2.5	PASS
		VN	-10	0.54	0.000309	± 2.5	PASS
		VN	0	3.89	0.002229	± 2.5	PASS
		VN	10	4.58	0.002625	± 2.5	PASS
		VN	20	2.66	0.001524	± 2.5	PASS
		VN	30	-1.3	-0.000745	± 2.5	PASS
		VN	40	-1.91	-0.001095	± 2.5	PASS
		VN	50	1.43	0.000819	± 2.5	PASS
	HCH	VN	-30	-1.19	-0.000682	± 2.5	PASS
		VN	-20	1.49	0.000854	± 2.5	PASS
		VN	-10	-0.02	-0.000011	± 2.5	PASS
		VN	0	-1.59	-0.000911	± 2.5	PASS
		VN	10	0.12	0.000069	± 2.5	PASS
		VN	20	3.47	0.001989	± 2.5	PASS
		VN	30	-1.12	-0.000642	± 2.5	PASS
		VN	40	2.72	0.001559	± 2.5	PASS
		VN	50	-1.32	-0.000756	± 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	3.69	0.002145	± 2.5	PASS
		VN	TN	2.16	0.001256	± 2.5	PASS
		VH	TN	-0.88	-0.000512	± 2.5	PASS
	MCH	VL	TN	0.22	0.000127	± 2.5	PASS
		VN	TN	3.01	0.001737	± 2.5	PASS
		VH	TN	2.37	0.001368	± 2.5	PASS
	HCH	VL	TN	-0.29	-0.000166	± 2.5	PASS
		VN	TN	2.47	0.001415	± 2.5	PASS
		VH	TN	0.78	0.000447	± 2.5	PASS
16QAM	LCH	VL	TN	1.05	0.000610	± 2.5	PASS
		VN	TN	3.42	0.001988	± 2.5	PASS
		VH	TN	3.58	0.002081	± 2.5	PASS
	MCH	VL	TN	4.67	0.002696	± 2.5	PASS
		VN	TN	1.27	0.000733	± 2.5	PASS
		VH	TN	1.81	0.001045	± 2.5	PASS
	HCH	VL	TN	-0.35	-0.000201	± 2.5	PASS
		VN	TN	0.67	0.000384	± 2.5	PASS
		VH	TN	4.25	0.002436	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.58	-0.000919	± 2.5	PASS
		VN	-20	0.71	0.000413	± 2.5	PASS
		VN	-10	-0.32	-0.000186	± 2.5	PASS
		VN	0	-1.02	-0.000593	± 2.5	PASS
		VN	10	4.79	0.002785	± 2.5	PASS
		VN	20	0.05	0.000029	± 2.5	PASS
		VN	30	4.4	0.002558	± 2.5	PASS
		VN	40	2.29	0.001331	± 2.5	PASS
		VN	50	3.52	0.002047	± 2.5	PASS
	MCH	VN	-30	0.45	0.000260	± 2.5	PASS
		VN	-20	1.16	0.000670	± 2.5	PASS
		VN	-10	4.75	0.002742	± 2.5	PASS
		VN	0	0.15	0.000087	± 2.5	PASS
		VN	10	2.03	0.001172	± 2.5	PASS
		VN	20	3.89	0.002245	± 2.5	PASS

	VN	30	4.89	0.002823	± 2.5	PASS	
		40	3.4	0.001962	± 2.5	PASS	
		50	-0.04	-0.000023	± 2.5	PASS	
	HCH	VN	-30	-1.33	-0.000762	± 2.5	PASS
		VN	-20	2.11	0.001209	± 2.5	PASS
		VN	-10	3.82	0.002189	± 2.5	PASS
		VN	0	-1.35	-0.000774	± 2.5	PASS
		VN	10	2.33	0.001335	± 2.5	PASS
		VN	20	0.19	0.000109	± 2.5	PASS
		VN	30	2.22	0.001272	± 2.5	PASS
		VN	40	2.16	0.001238	± 2.5	PASS
		VN	50	-1.86	-0.001066	± 2.5	PASS
QPSK	LCH	VN	-30	0.35	0.000202	± 2.5	PASS
		VN	-20	0.1	0.000058	± 2.5	PASS
		VN	-10	-1.11	-0.000641	± 2.5	PASS
		VN	0	3.67	0.002118	± 2.5	PASS
		VN	10	4.96	0.002863	± 2.5	PASS
		VN	20	-1.3	-0.000750	± 2.5	PASS
		VN	30	2.47	0.001426	± 2.5	PASS
		VN	40	4.18	0.002413	± 2.5	PASS
		VN	50	3.33	0.001922	± 2.5	PASS
	MCH	VN	-30	1.5	0.000860	± 2.5	PASS
		VN	-20	-1.28	-0.000734	± 2.5	PASS
		VN	-10	-0.85	-0.000487	± 2.5	PASS
		VN	0	3.13	0.001794	± 2.5	PASS
		VN	10	-1.64	-0.000940	± 2.5	PASS
		VN	20	-1.48	-0.000848	± 2.5	PASS
		VN	30	-1.67	-0.000957	± 2.5	PASS
		VN	40	2.8	0.001605	± 2.5	PASS
		VN	50	4.44	0.002544	± 2.5	PASS
	HCH	VN	-30	-0.19	-0.000109	± 2.5	PASS
		VN	-20	4.79	0.002745	± 2.5	PASS
		VN	-10	3.54	0.002029	± 2.5	PASS
		VN	0	4.71	0.002699	± 2.5	PASS
		VN	10	0.55	0.000315	± 2.5	PASS
		VN	20	2	0.001146	± 2.5	PASS
		VN	30	3.3	0.001891	± 2.5	PASS
		VN	40	4.16	0.002384	± 2.5	PASS
		VN	50	1.6	0.000917	± 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	0.58	0.000337	± 2.5	PASS
		VN	TN	-1.03	-0.000599	± 2.5	PASS
		VH	TN	-0.7	-0.000407	± 2.5	PASS
	MCH	VL	TN	2.78	0.001605	± 2.5	PASS
		VN	TN	2.3	0.001328	± 2.5	PASS
		VH	TN	3.28	0.001893	± 2.5	PASS
	HCH	VL	TN	-0.32	-0.000183	± 2.5	PASS
		VN	TN	2.49	0.001427	± 2.5	PASS
		VH	TN	1.25	0.000716	± 2.5	PASS
16QAM	LCH	VL	TN	0.88	0.000512	± 2.5	PASS
		VN	TN	3.07	0.001785	± 2.5	PASS
		VH	TN	-0.38	-0.000221	± 2.5	PASS
	MCH	VL	TN	4.97	0.002869	± 2.5	PASS
		VN	TN	4.42	0.002551	± 2.5	PASS
		VH	TN	-0.53	-0.000306	± 2.5	PASS
	HCH	VL	TN	4.14	0.002372	± 2.5	PASS
		VN	TN	2.1	0.001203	± 2.5	PASS
		VH	TN	3.41	0.001954	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.35	0.001366	± 2.5	PASS
		VN	-20	-1.02	-0.000593	± 2.5	PASS
		VN	-10	4.49	0.002610	± 2.5	PASS
		VN	0	3.71	0.002157	± 2.5	PASS
		VN	10	3.02	0.001756	± 2.5	PASS
		VN	20	0.49	0.000285	± 2.5	PASS
		VN	30	0.3	0.000174	± 2.5	PASS
		VN	40	-0.02	-0.000012	± 2.5	PASS
		VN	50	-0.7	-0.000407	± 2.5	PASS
	MCH	VN	-30	0.29	0.000167	± 2.5	PASS
		VN	-20	-0.9	-0.000519	± 2.5	PASS
		VN	-10	3.45	0.001991	± 2.5	PASS
		VN	0	1.11	0.000641	± 2.5	PASS
		VN	10	3.65	0.002107	± 2.5	PASS
		VN	20	2.42	0.001397	± 2.5	PASS

		VN	30	4.99	0.002880	± 2.5	PASS
		VN	40	4.82	0.002782	± 2.5	PASS
		VN	50	-0.87	-0.000502	± 2.5	PASS
	HCH	VN	-30	-1.67	-0.000957	± 2.5	PASS
		VN	-20	0.26	0.000149	± 2.5	PASS
		VN	-10	1.54	0.000883	± 2.5	PASS
		VN	0	-1.84	-0.001054	± 2.5	PASS
		VN	10	-0.16	-0.000092	± 2.5	PASS
		VN	20	-0.43	-0.000246	± 2.5	PASS
		VN	30	3.28	0.001880	± 2.5	PASS
		VN	40	0.08	0.000046	± 2.5	PASS
		VN	50	4.22	0.002418	± 2.5	PASS
QPSK	LCH	VN	-30	0.77	0.000444	± 2.5	PASS
		VN	-20	4.01	0.002315	± 2.5	PASS
		VN	-10	3.46	0.001997	± 2.5	PASS
		VN	0	-0.93	-0.000537	± 2.5	PASS
		VN	10	-0.82	-0.000473	± 2.5	PASS
		VN	20	-1.21	-0.000698	± 2.5	PASS
		VN	30	-1.66	-0.000958	± 2.5	PASS
		VN	40	-1.28	-0.000739	± 2.5	PASS
	MCH	VN	50	-0.61	-0.000352	± 2.5	PASS
		VN	-30	1.83	0.001049	± 2.5	PASS
		VN	-20	2.12	0.001215	± 2.5	PASS
		VN	-10	-0.31	-0.000178	± 2.5	PASS
		VN	0	-0.94	-0.000539	± 2.5	PASS
		VN	10	3.34	0.001914	± 2.5	PASS
		VN	20	-1.72	-0.000986	± 2.5	PASS
		VN	30	-0.39	-0.000223	± 2.5	PASS
		VN	40	4.86	0.002785	± 2.5	PASS
	HCH	VN	50	2	0.001146	± 2.5	PASS
		VN	-30	3.18	0.001822	± 2.5	PASS
		VN	-20	3.34	0.001914	± 2.5	PASS
		VN	-10	2.11	0.001209	± 2.5	PASS
		VN	0	0.47	0.000269	± 2.5	PASS
		VN	10	4.58	0.002625	± 2.5	PASS
		VN	20	-0.99	-0.000567	± 2.5	PASS
VN		30	1.27	0.000728	± 2.5	PASS	
VN	40	3.62	0.002074	± 2.5	PASS		
VN	50	3.18	0.001822	± 2.5	PASS		