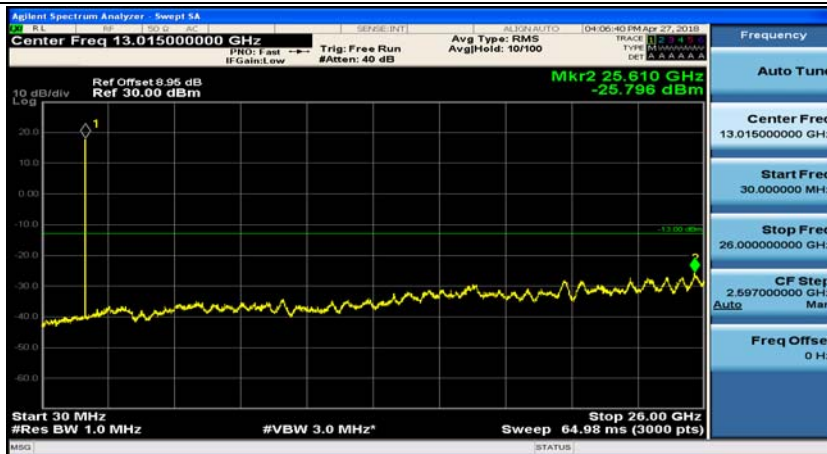
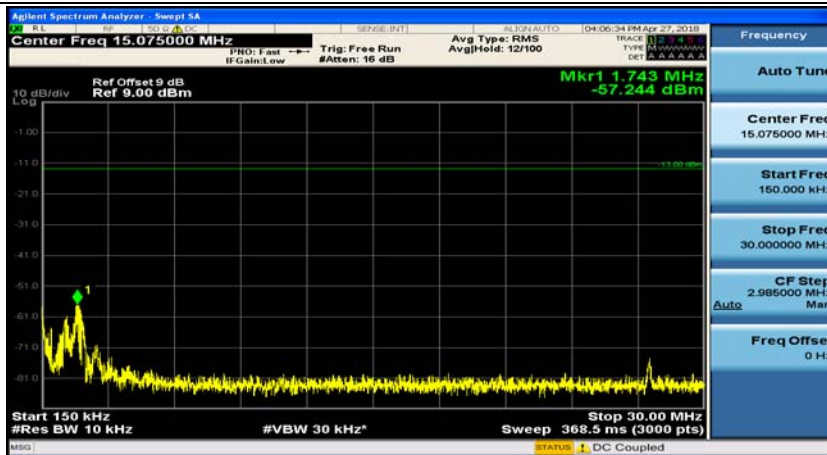
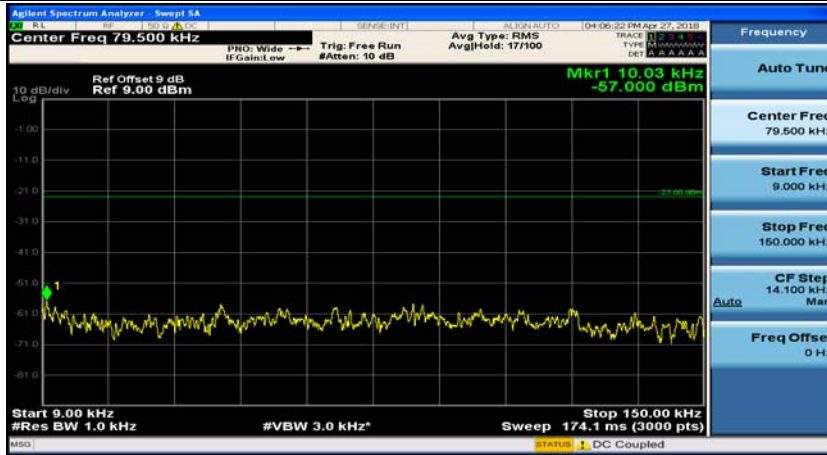
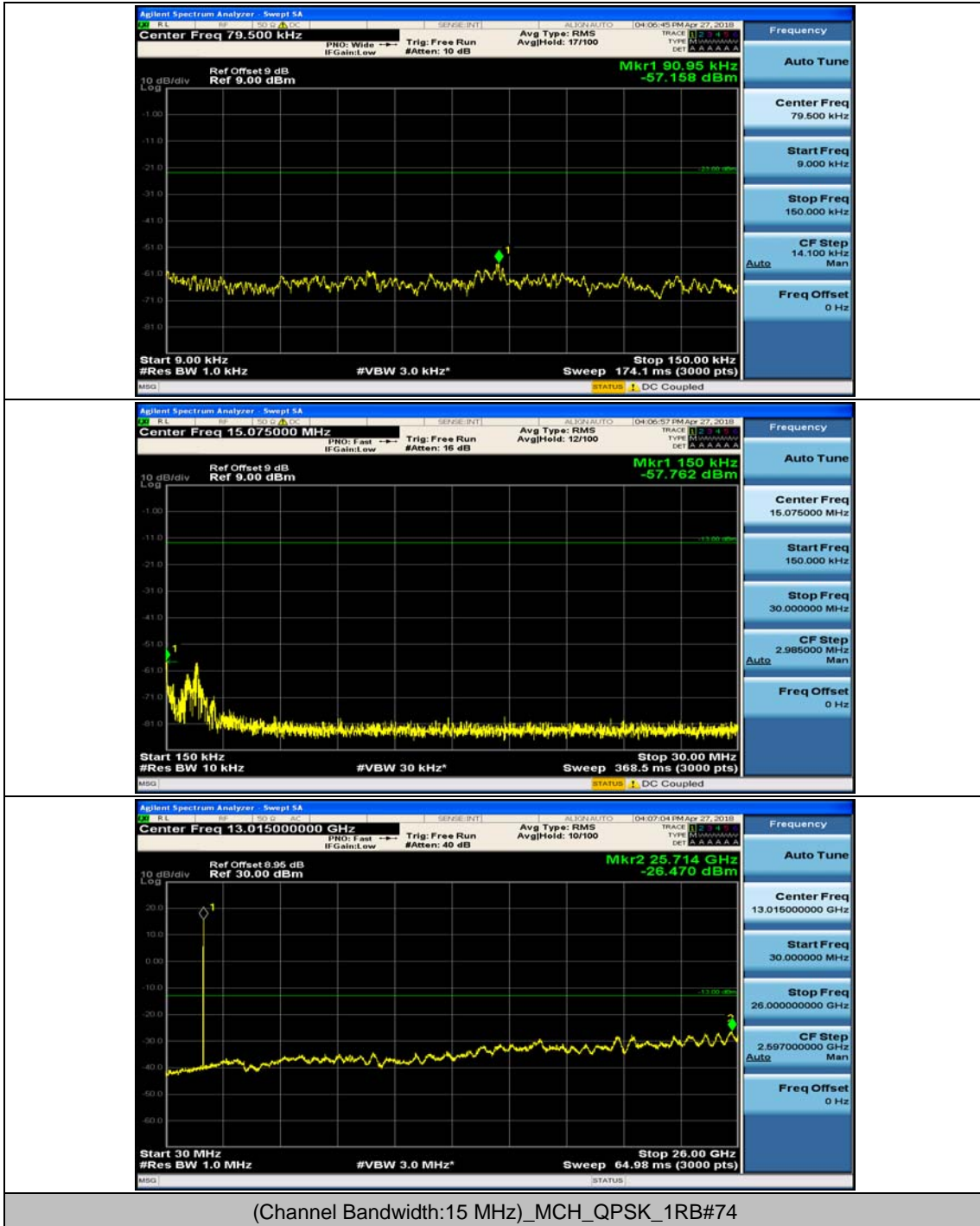
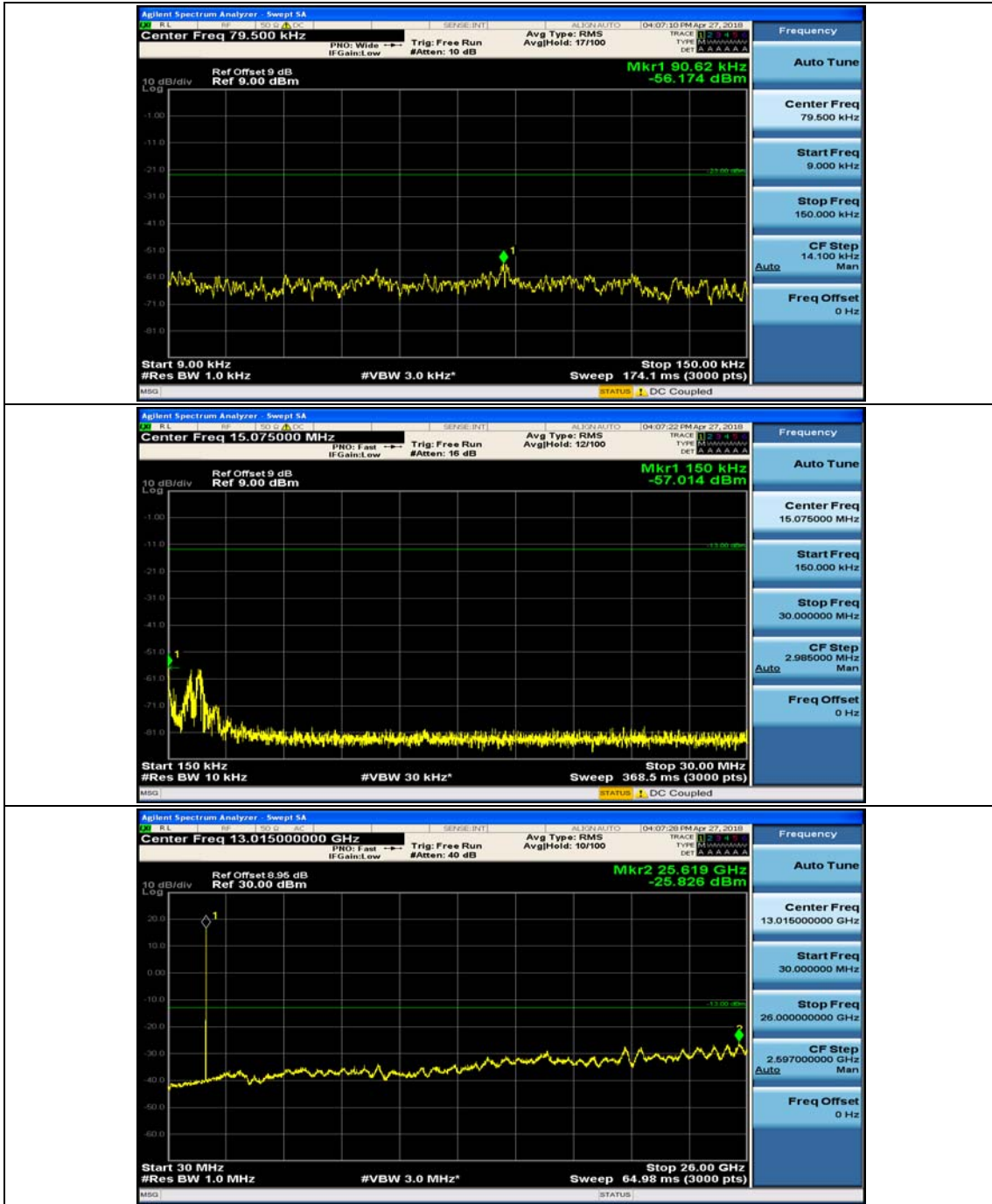


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

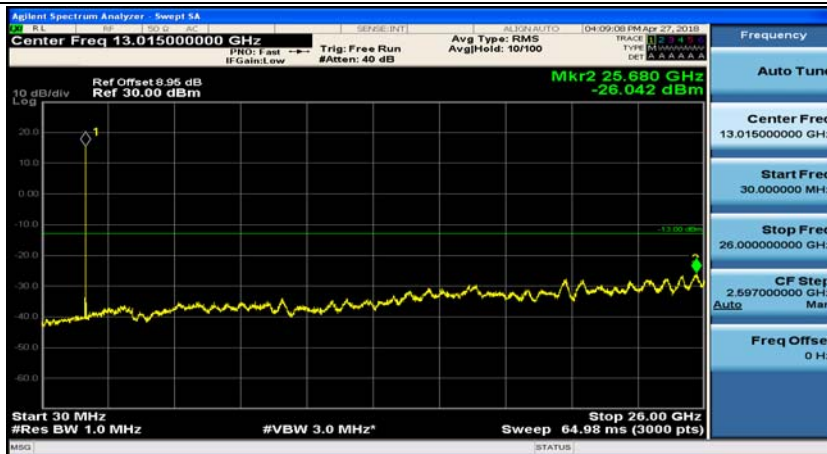
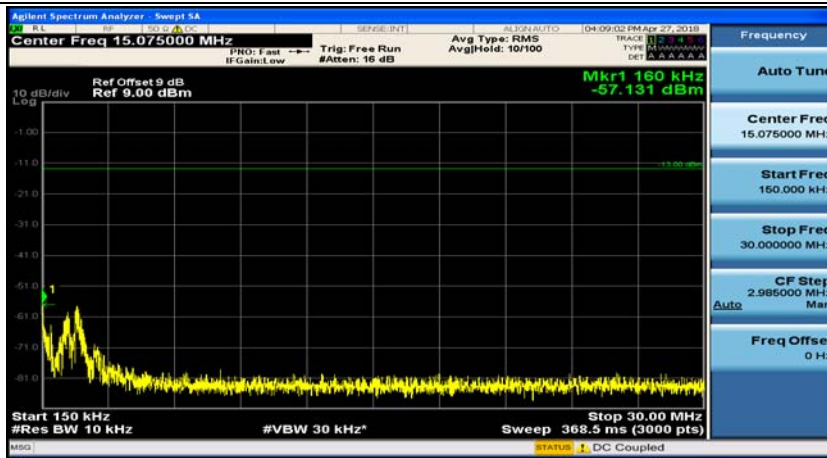
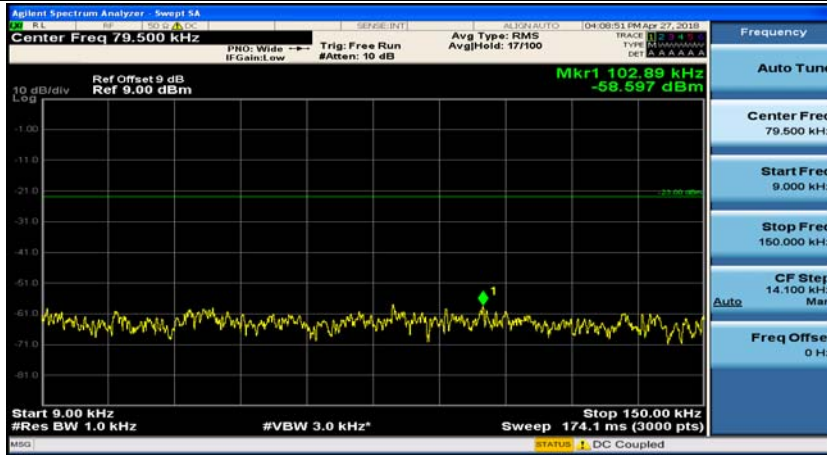


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

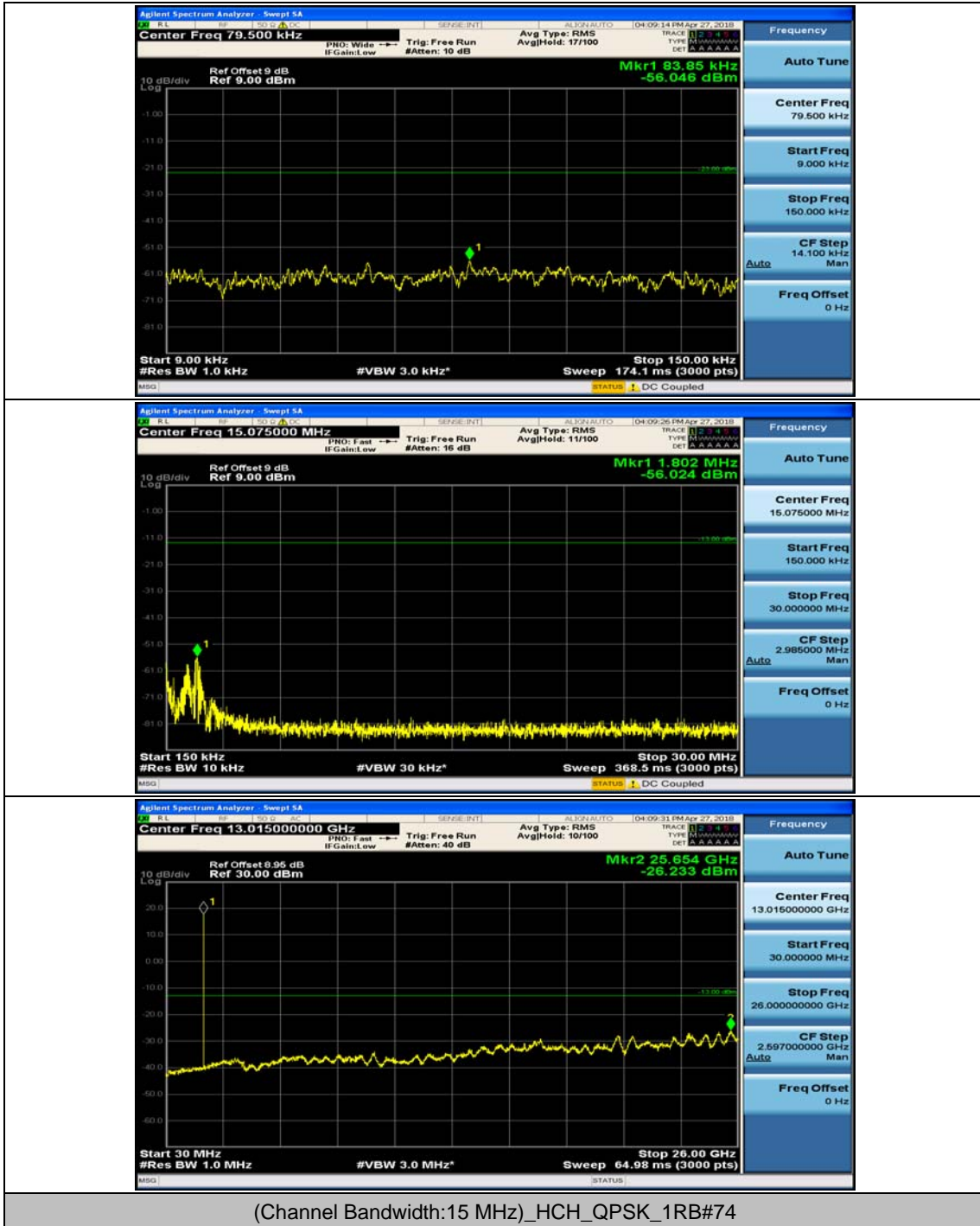


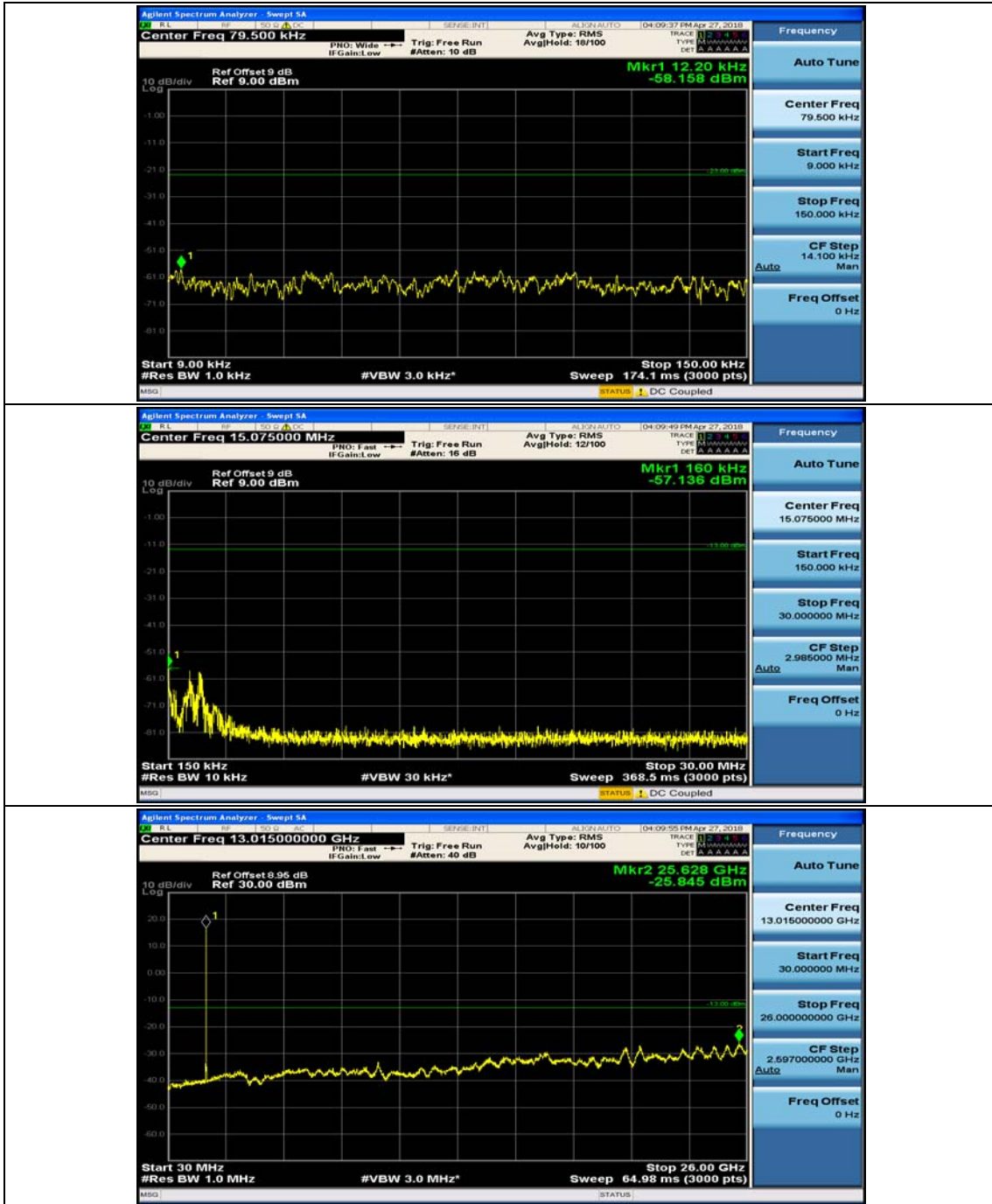


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

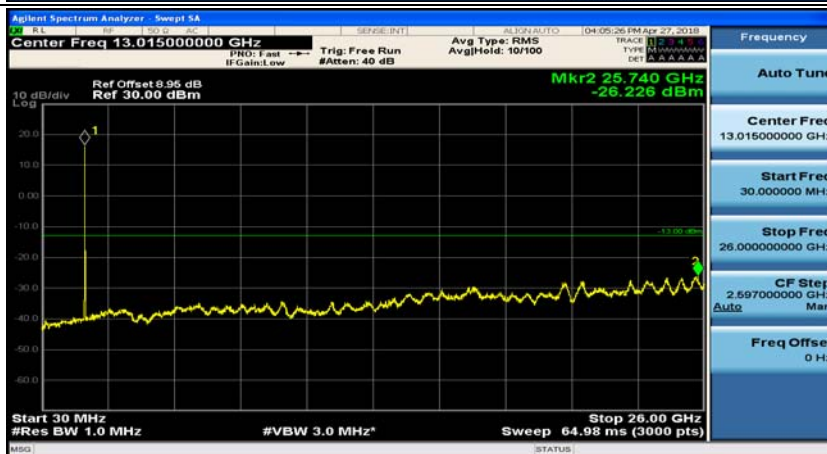
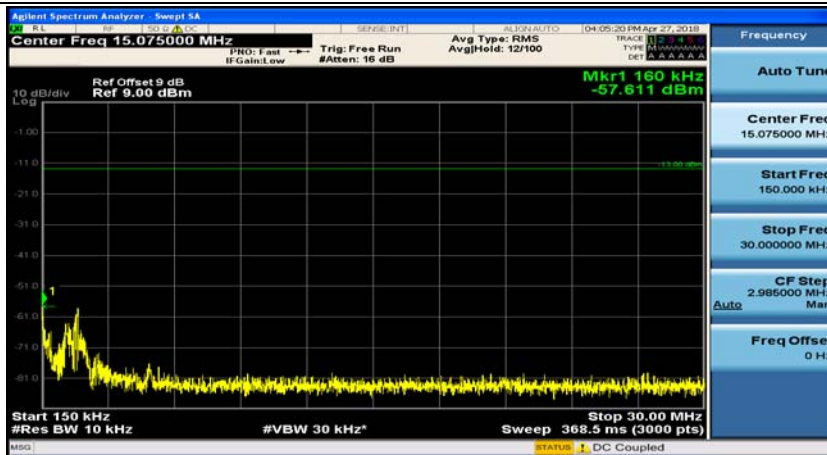
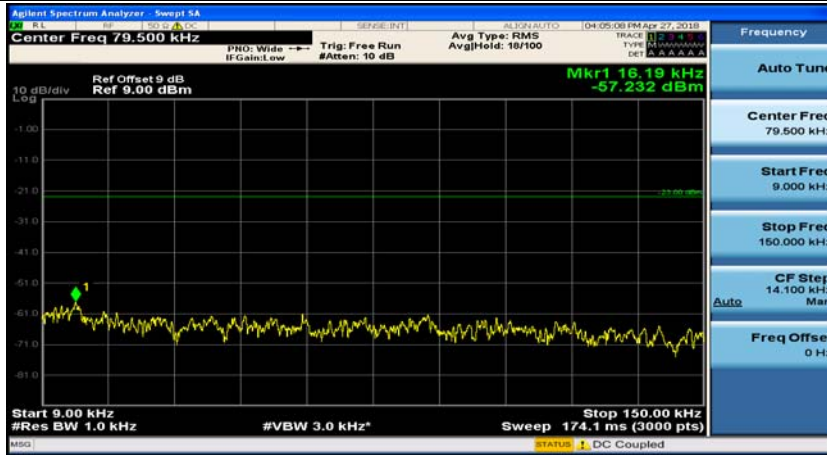


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

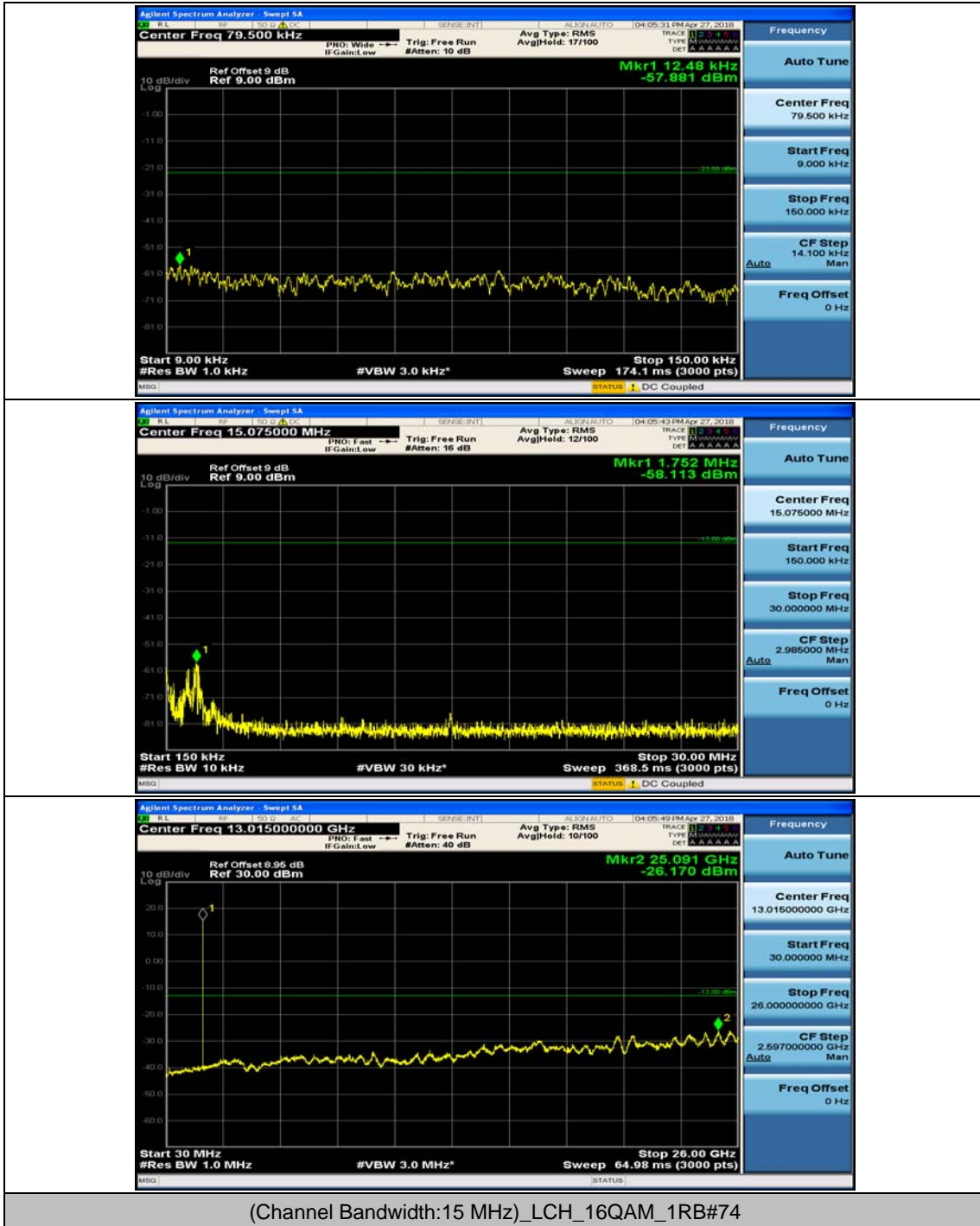


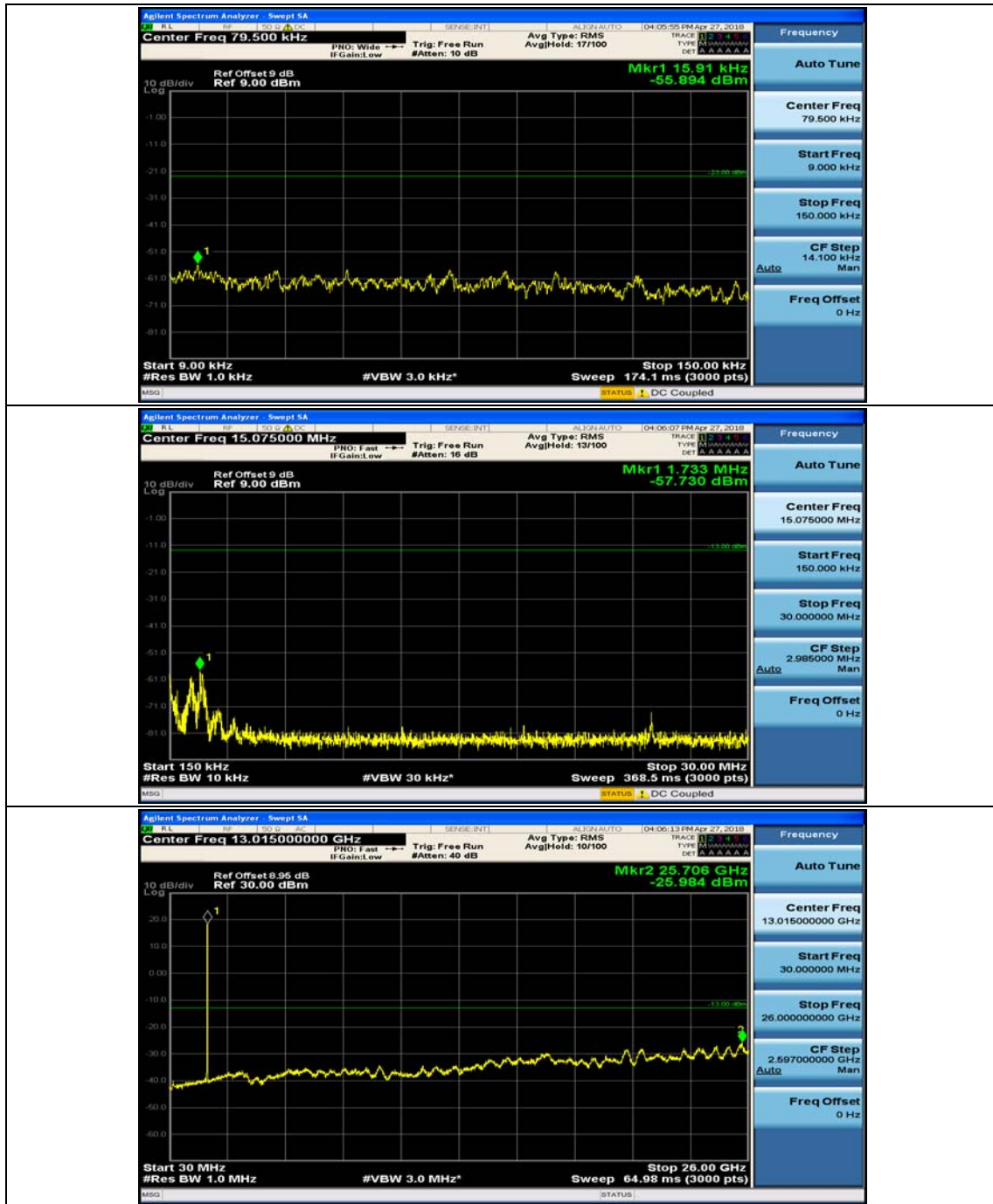


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

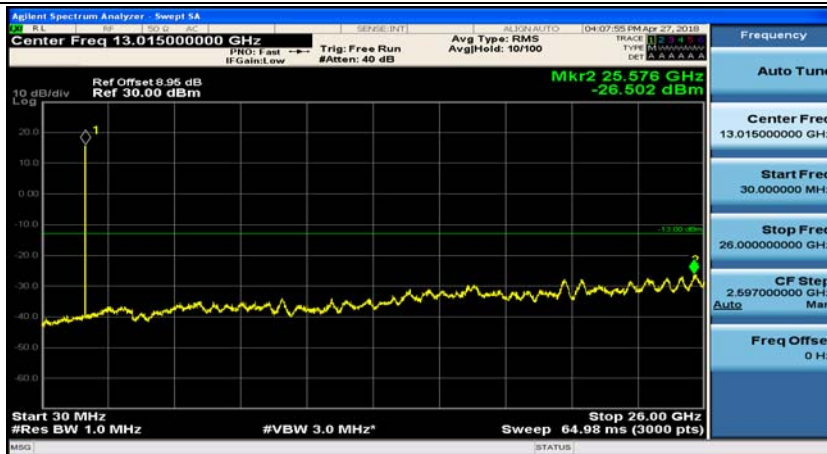
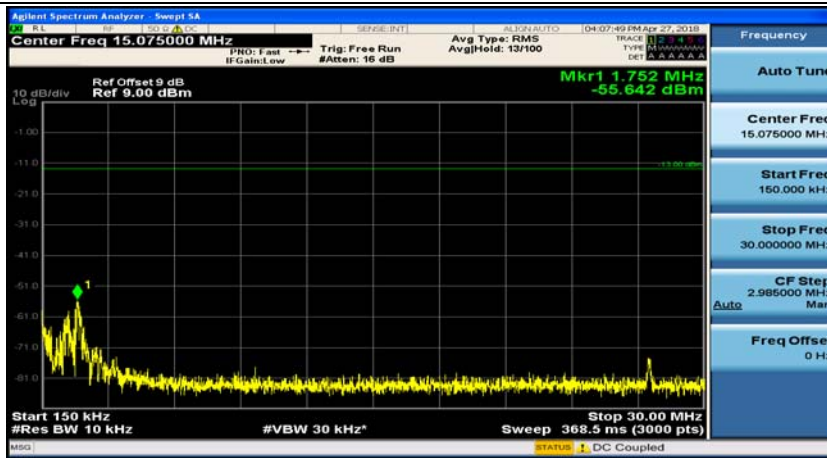
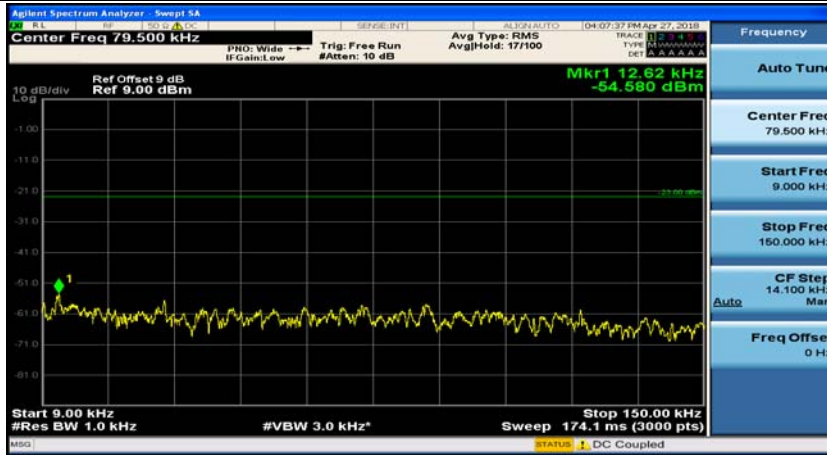


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

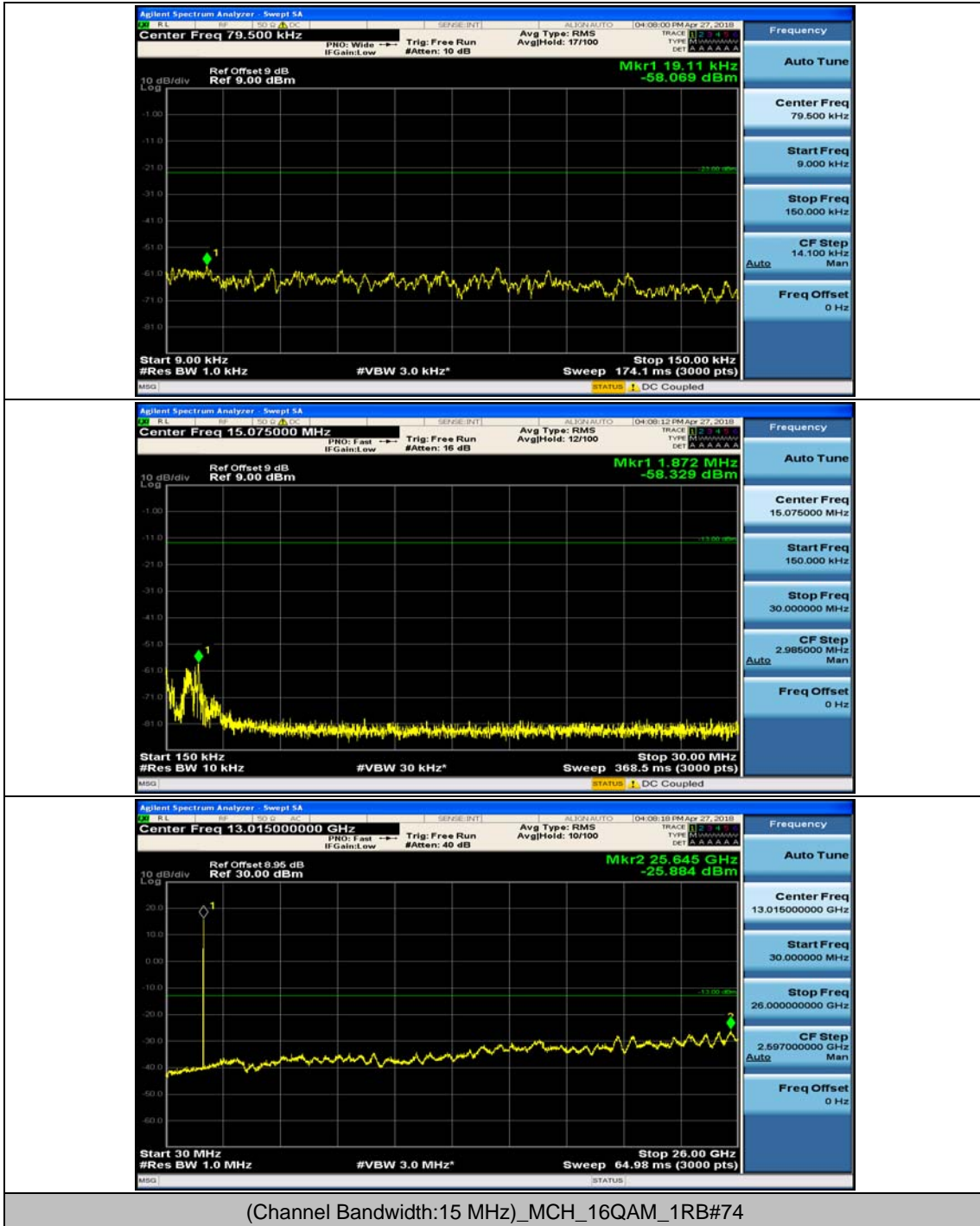


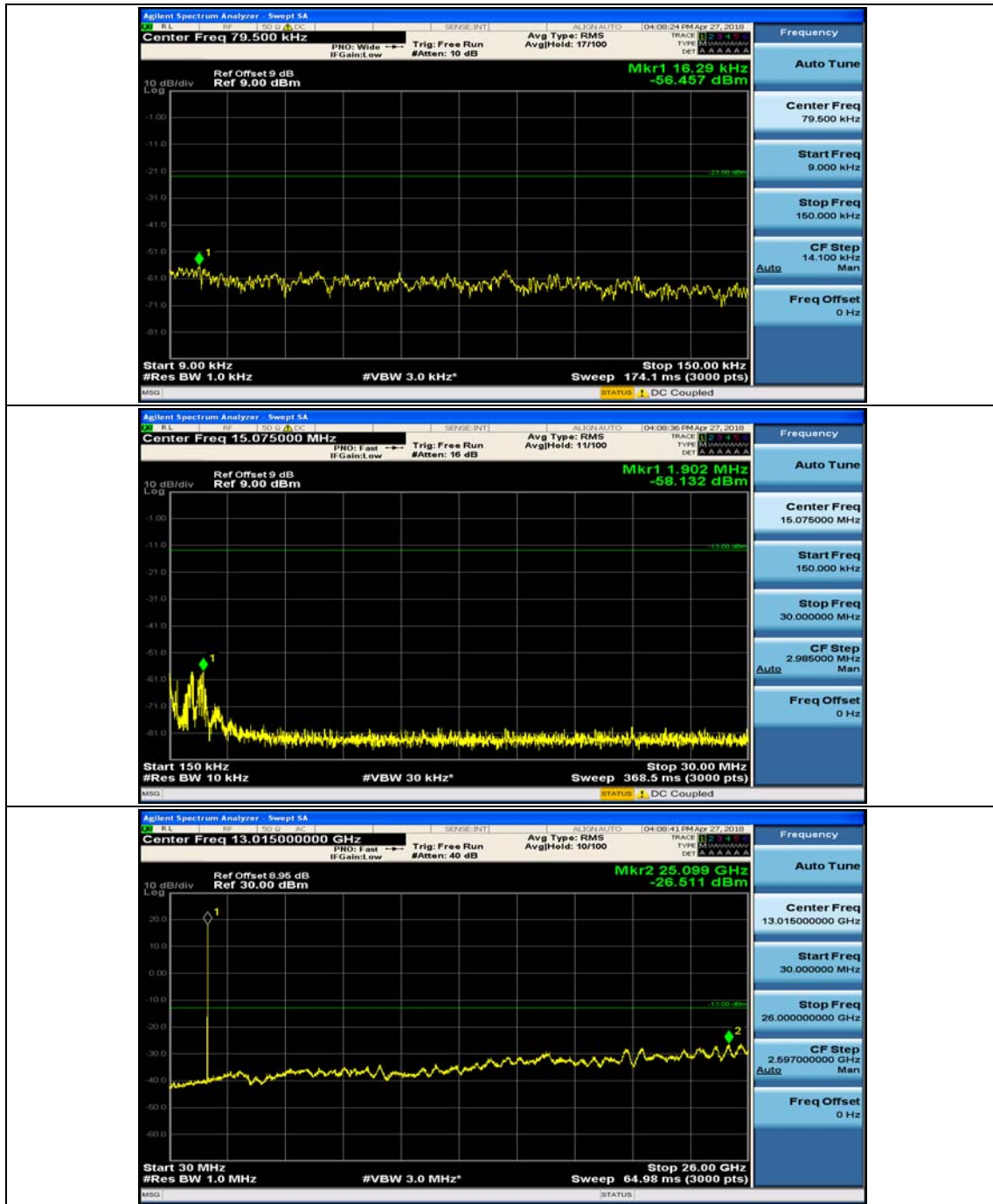


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

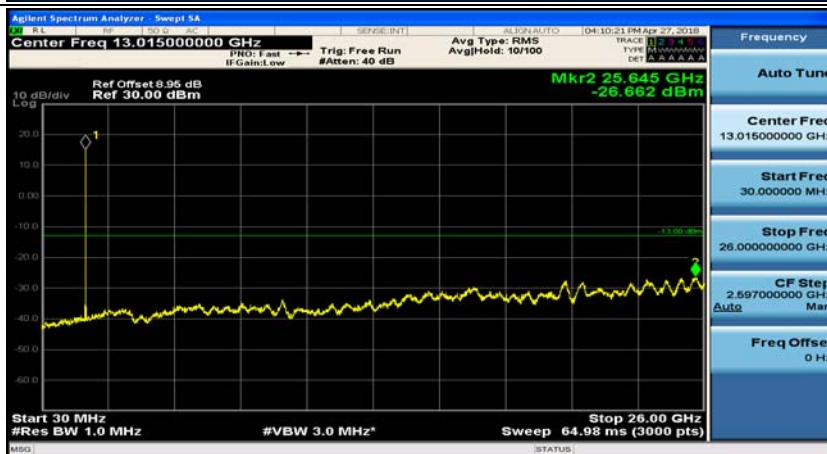
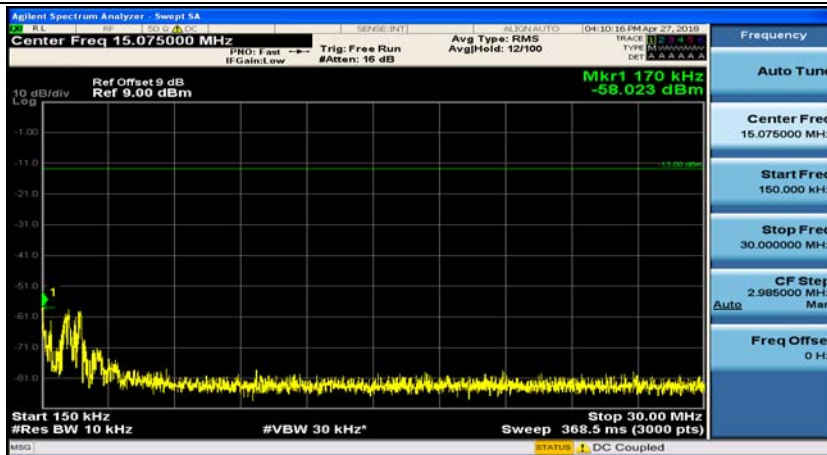
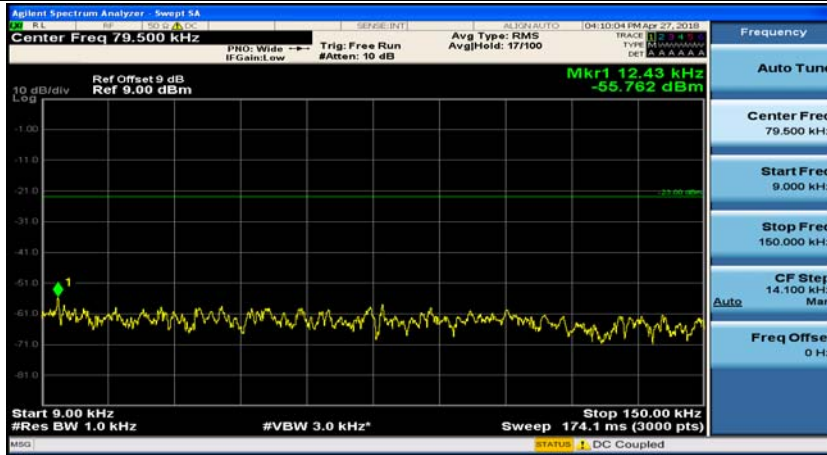


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

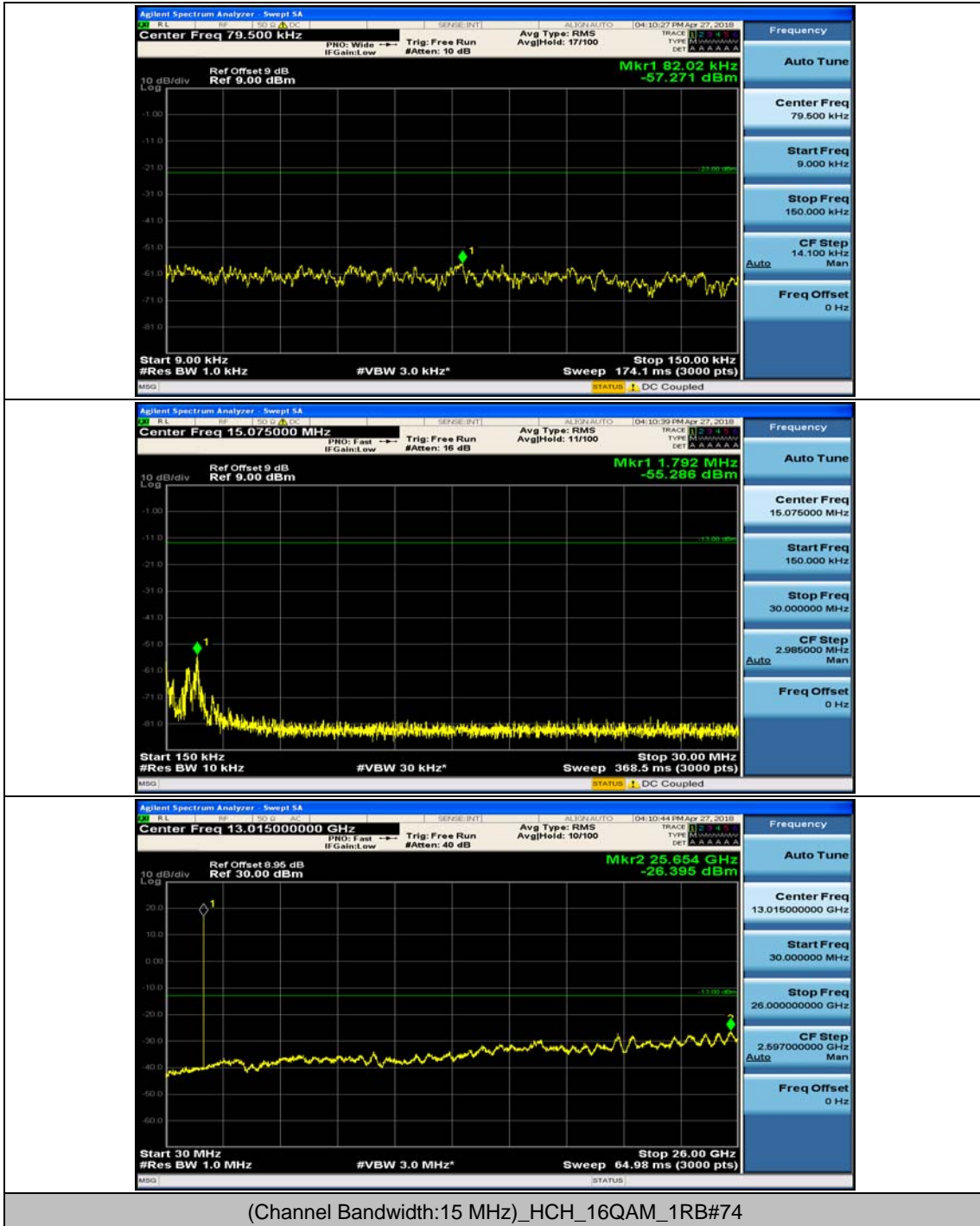


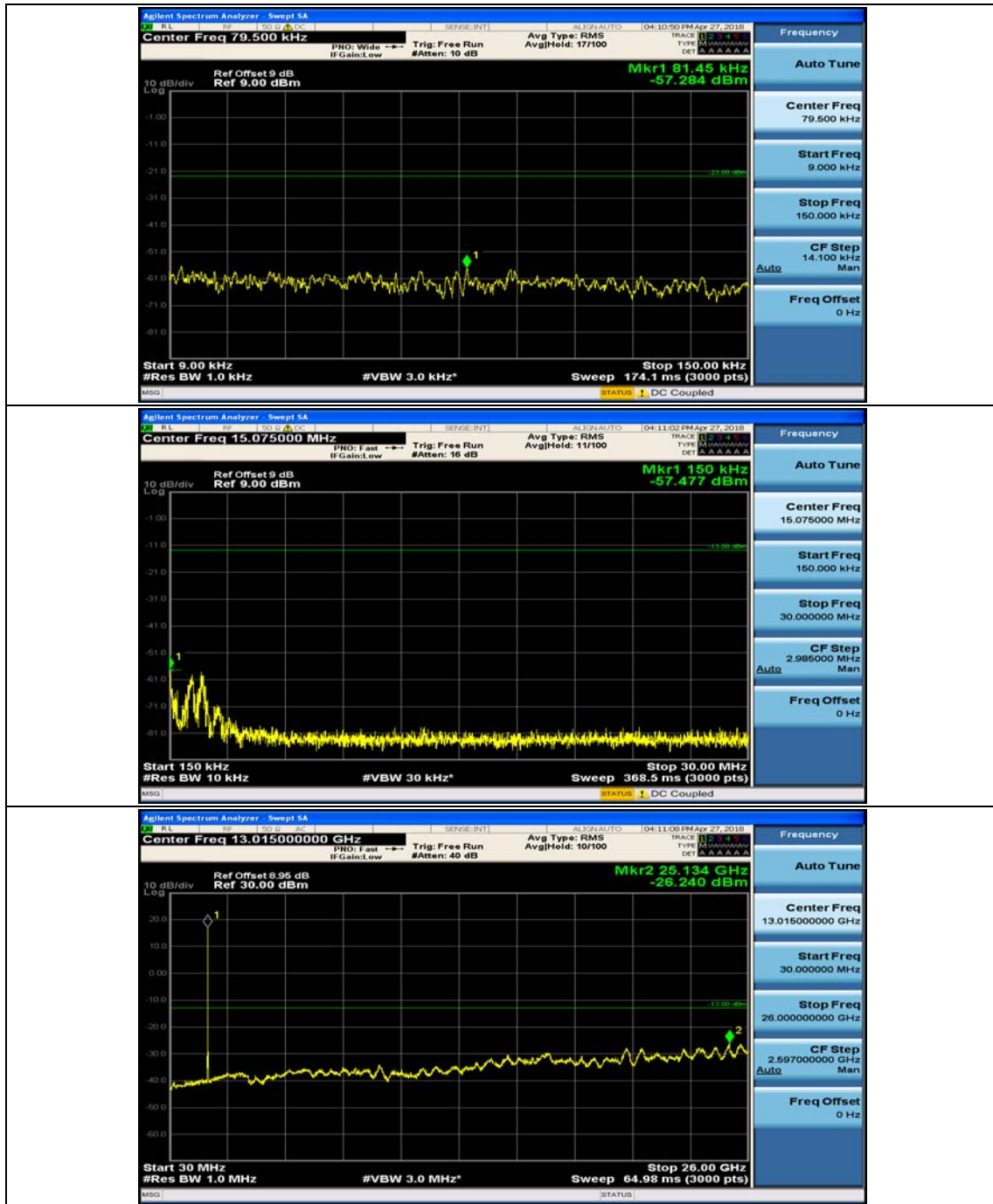


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

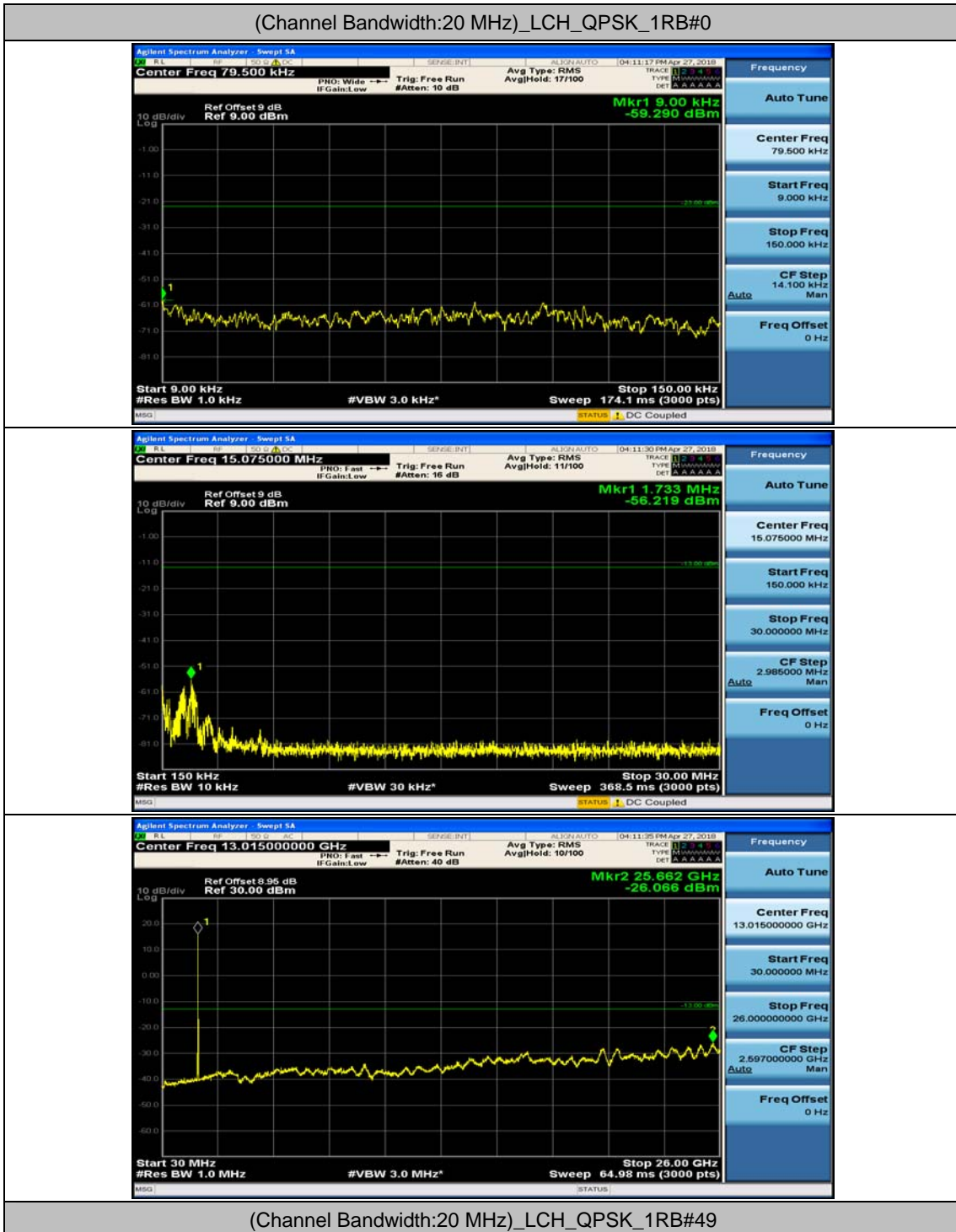


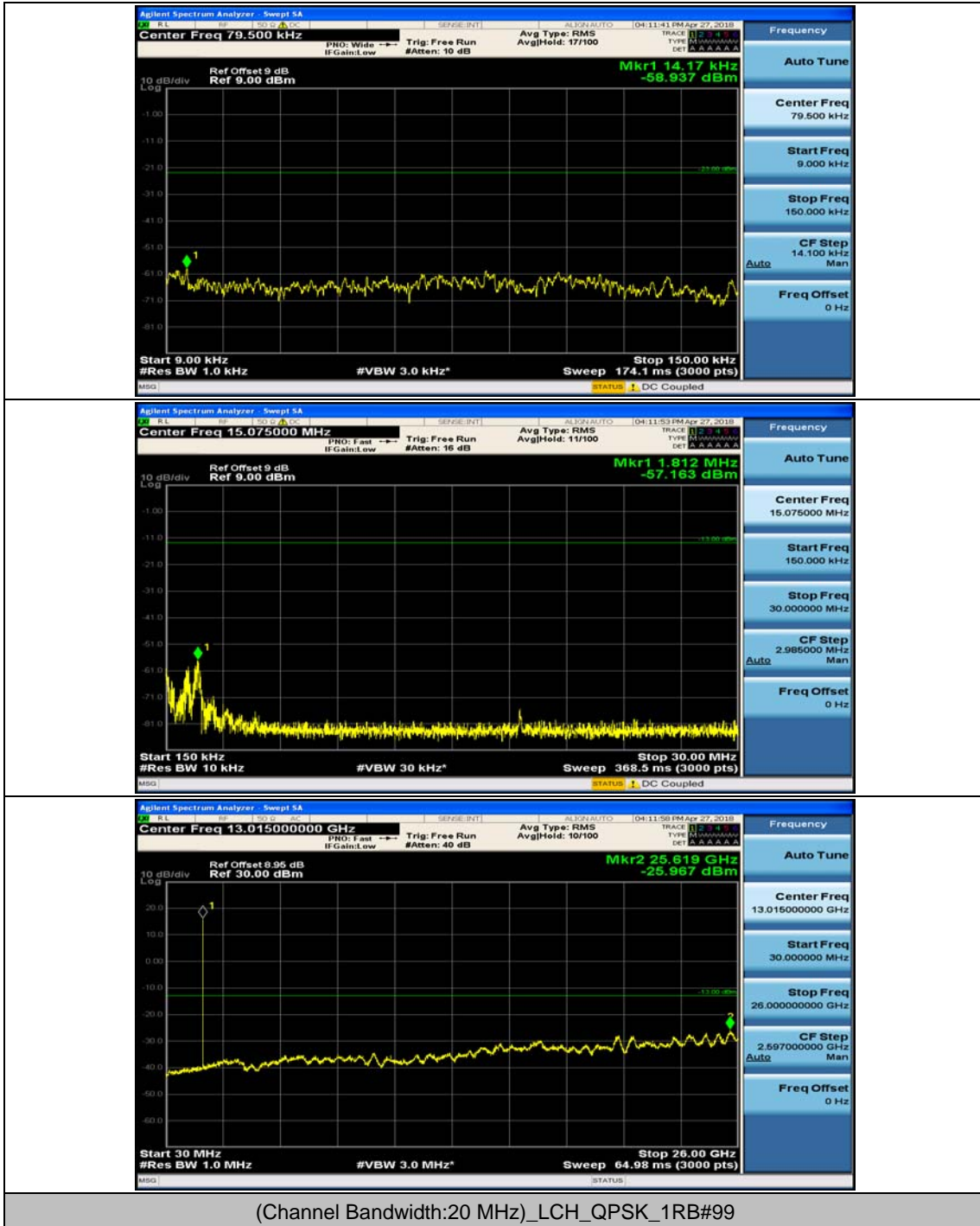
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

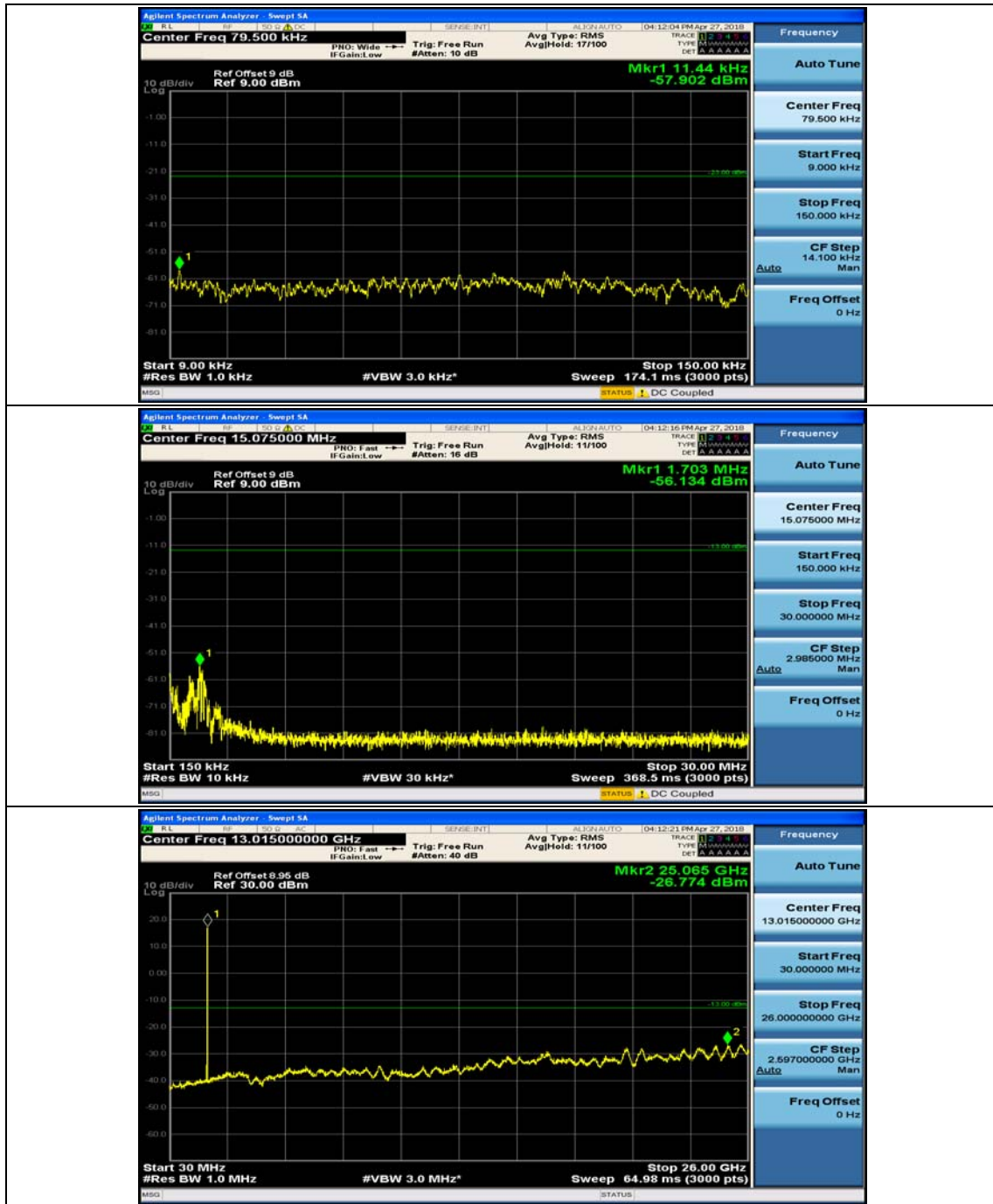




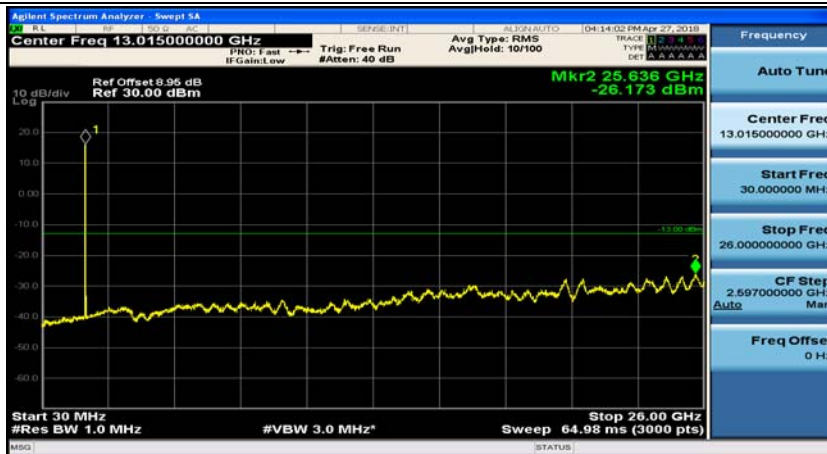
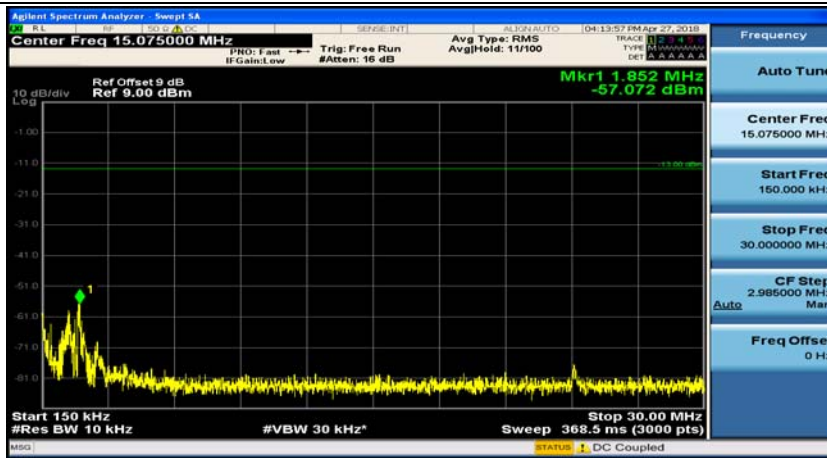
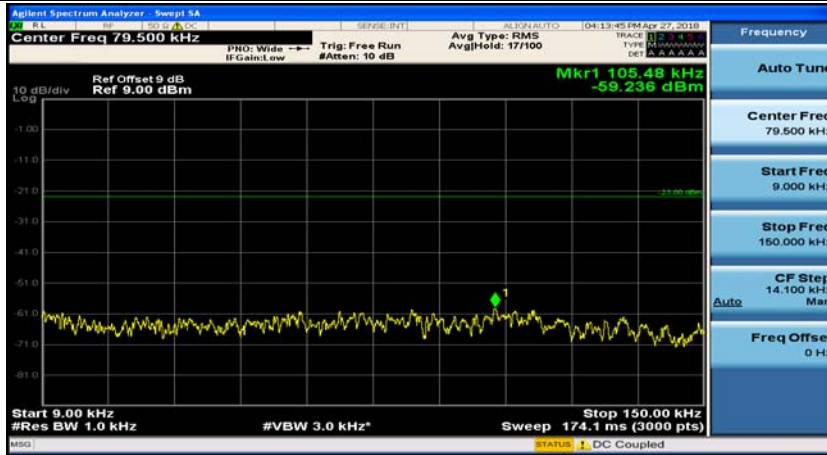
Channel Bandwidth: 20 MHz



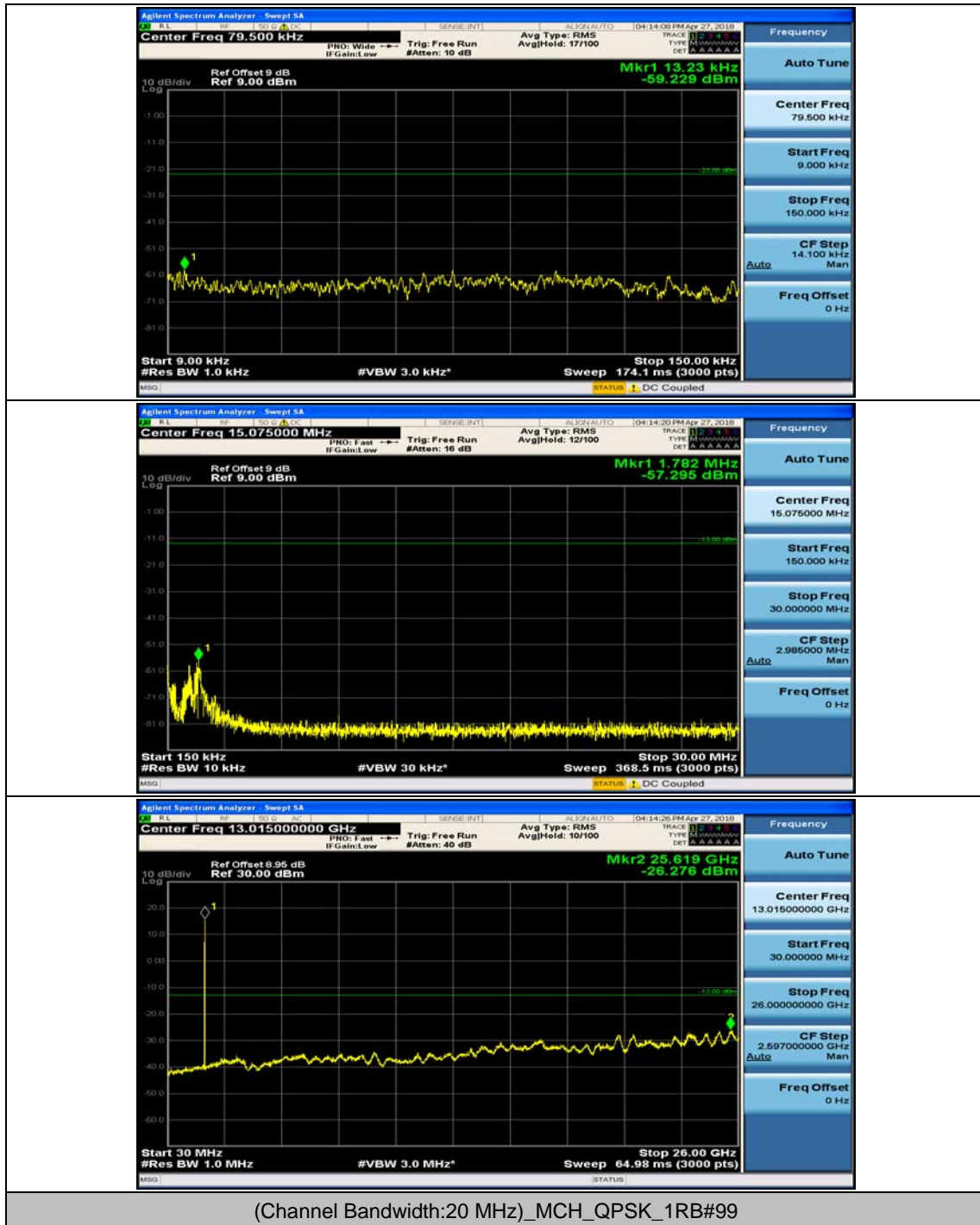


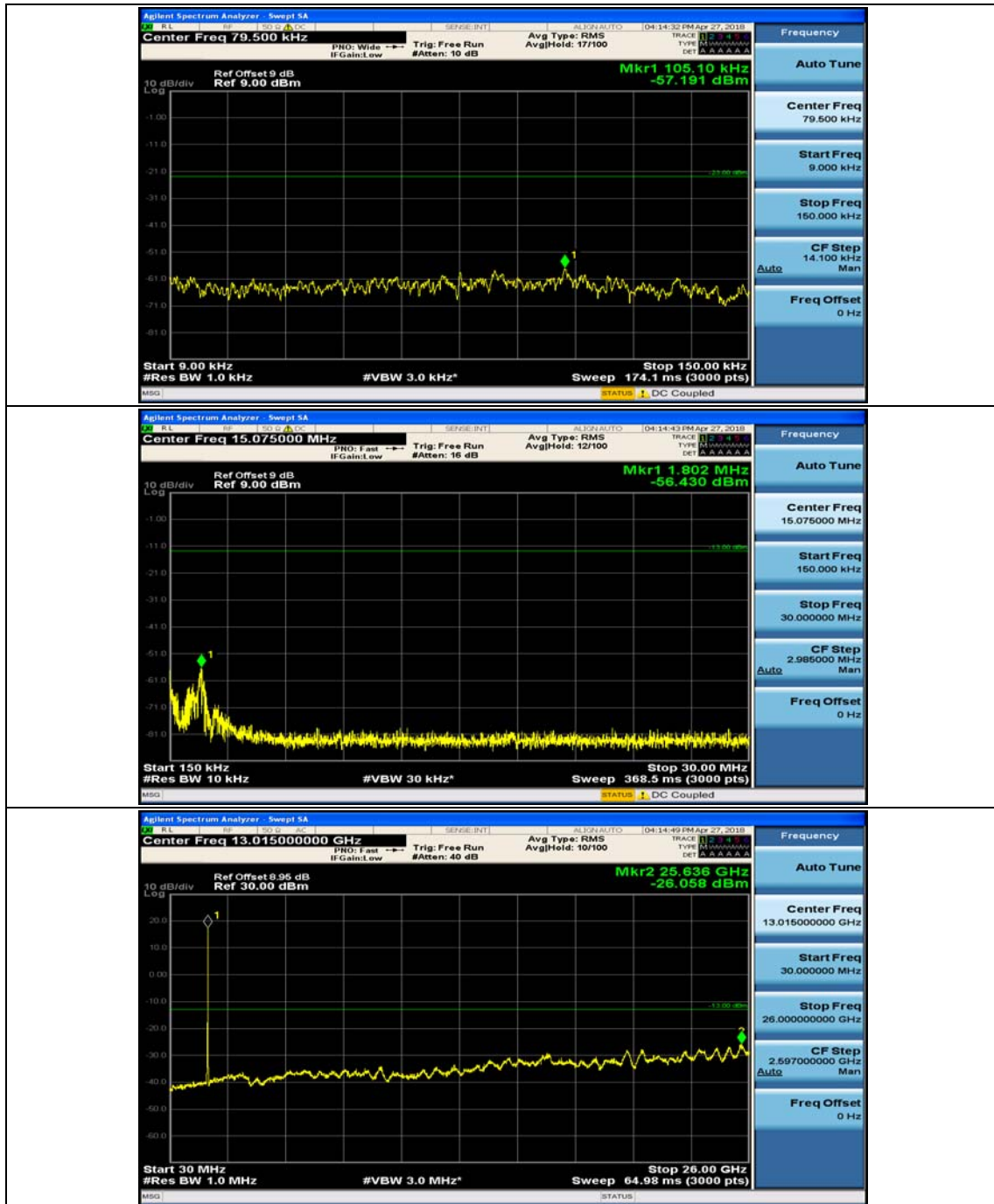


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

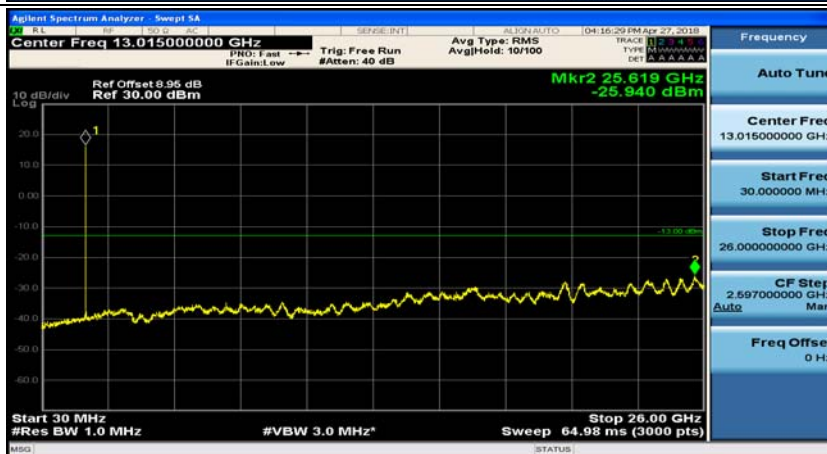
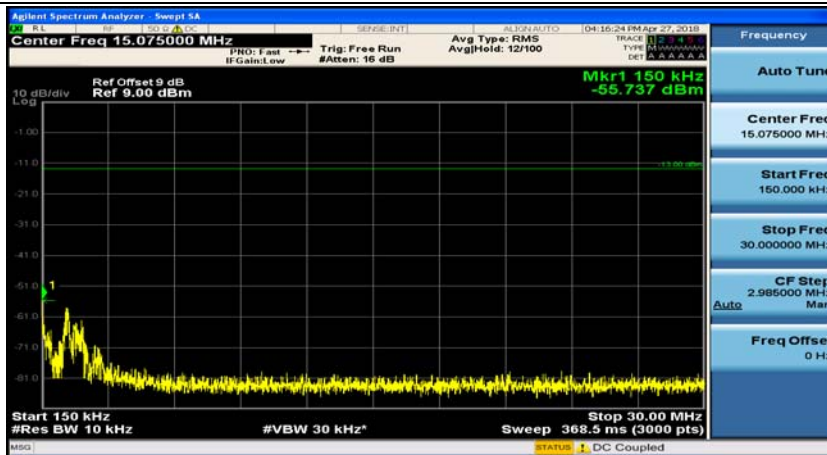
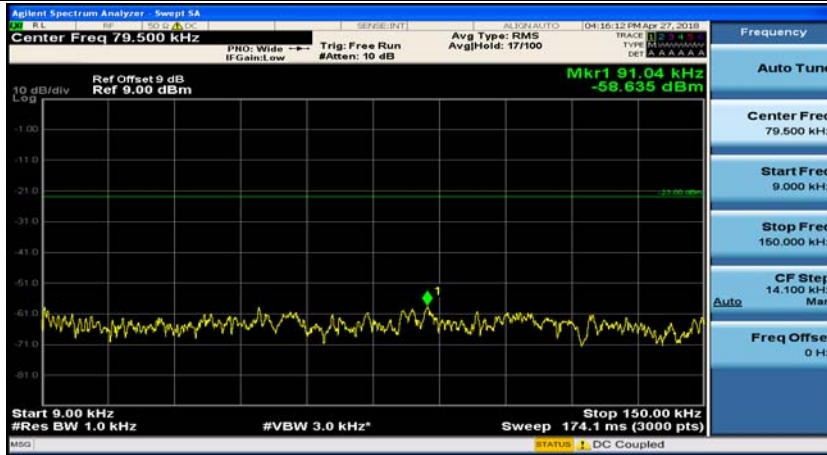


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

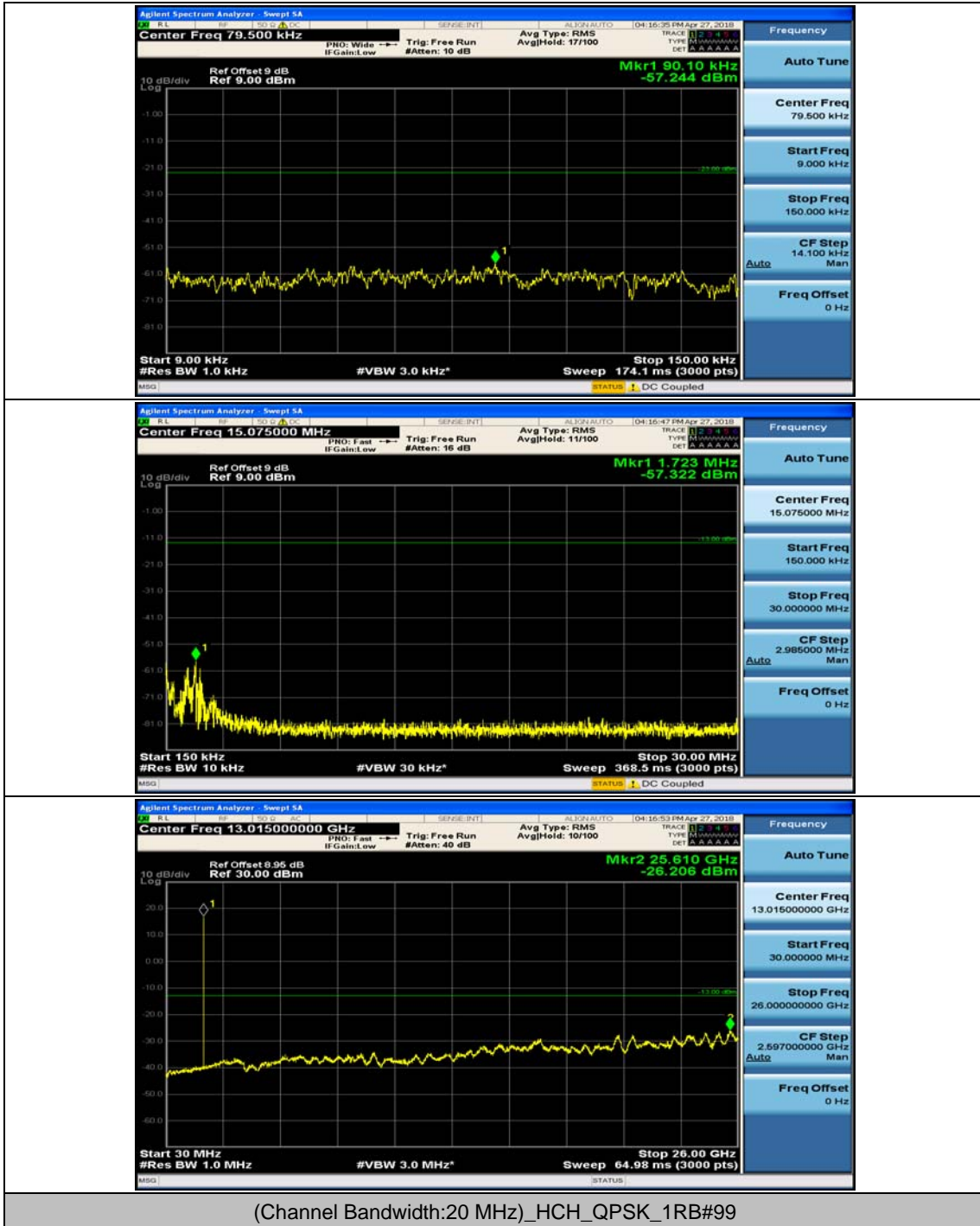


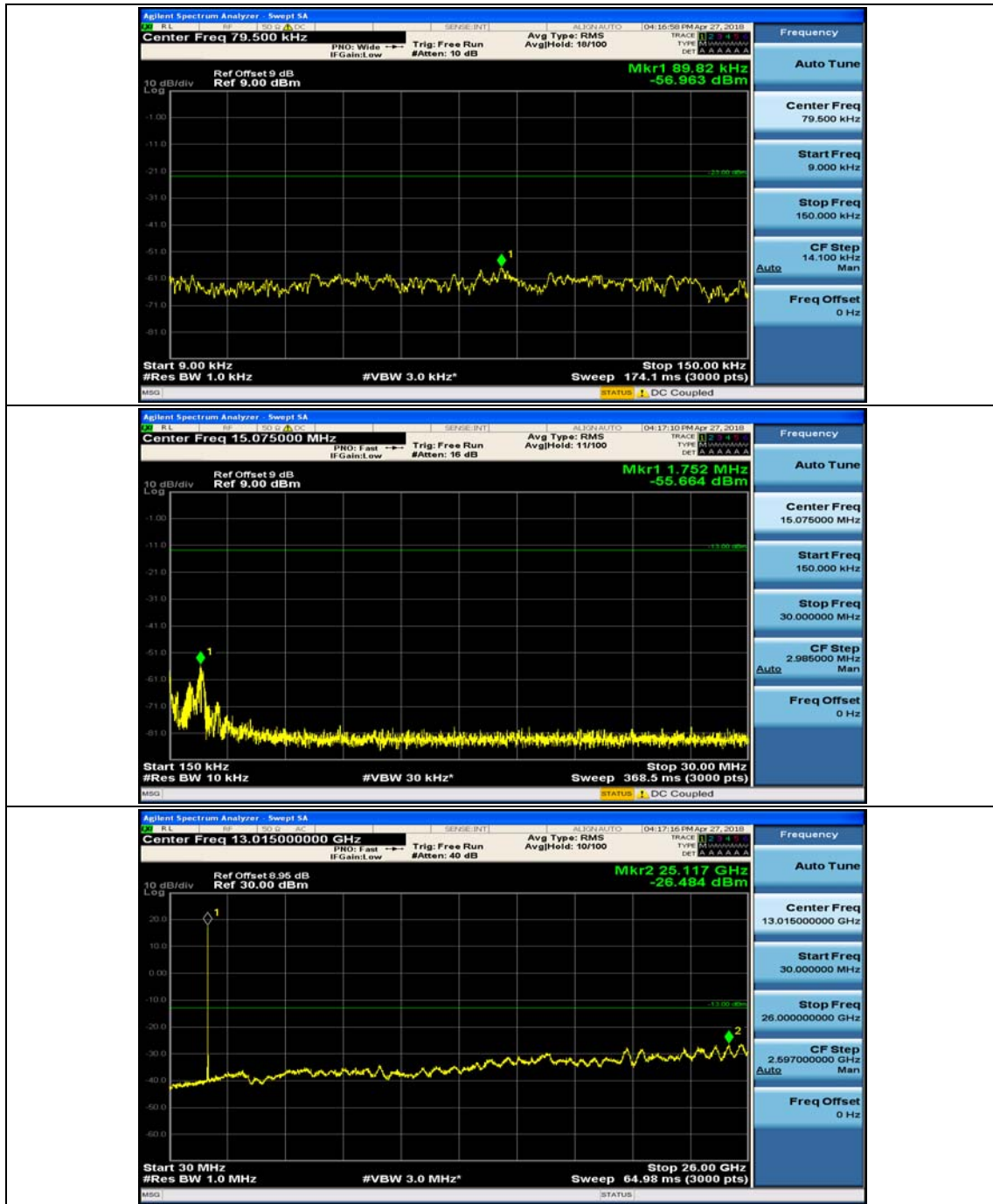


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

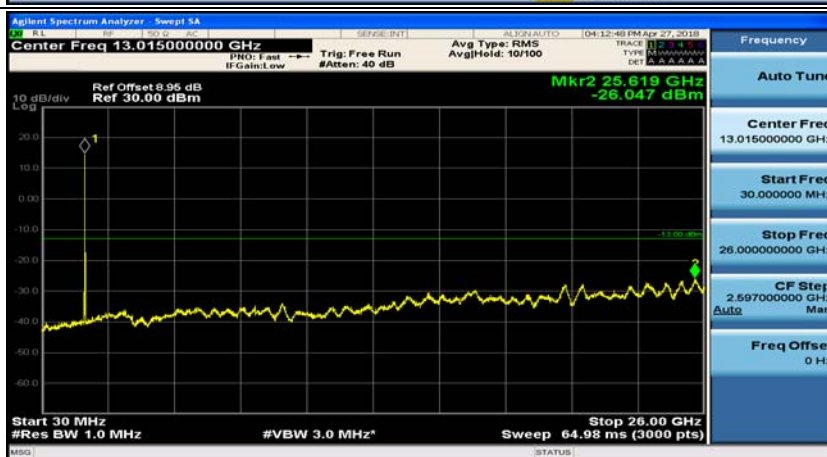
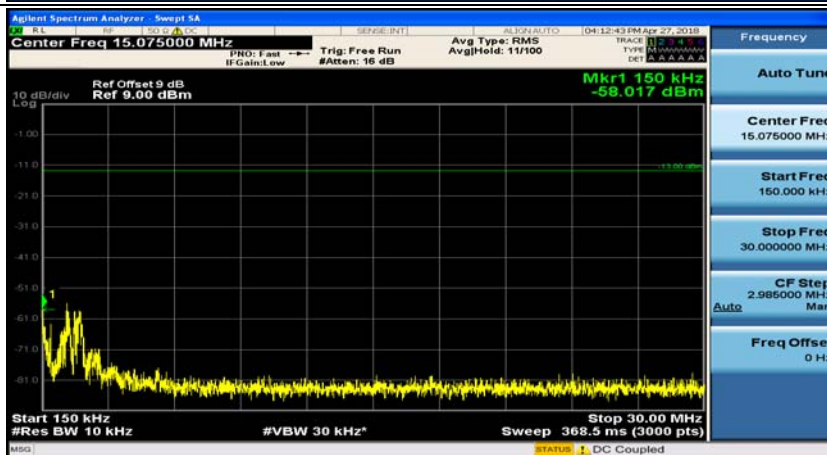
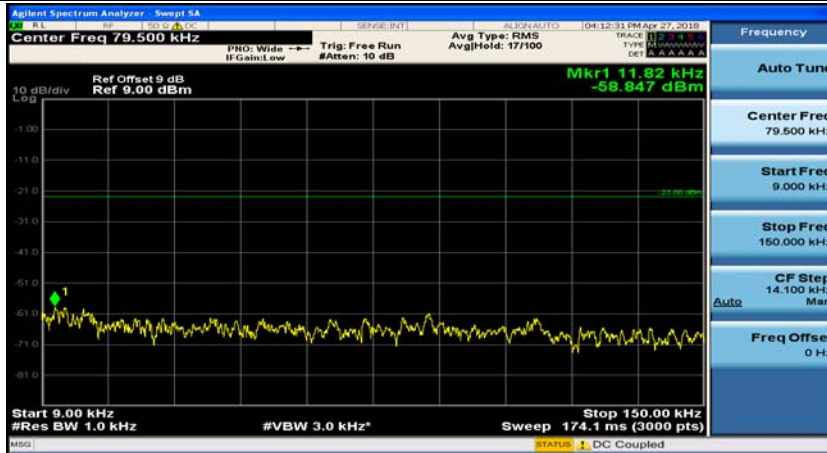


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

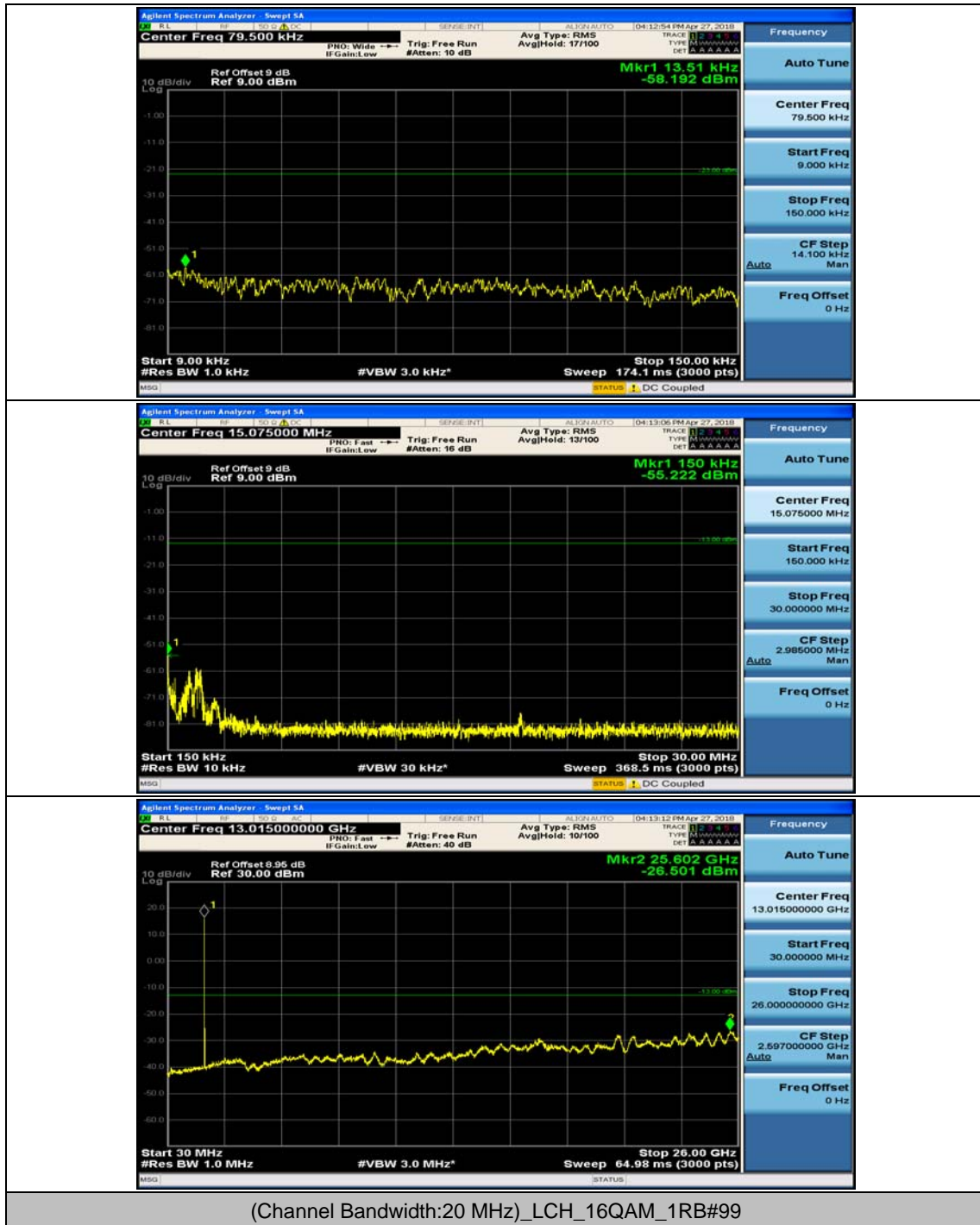


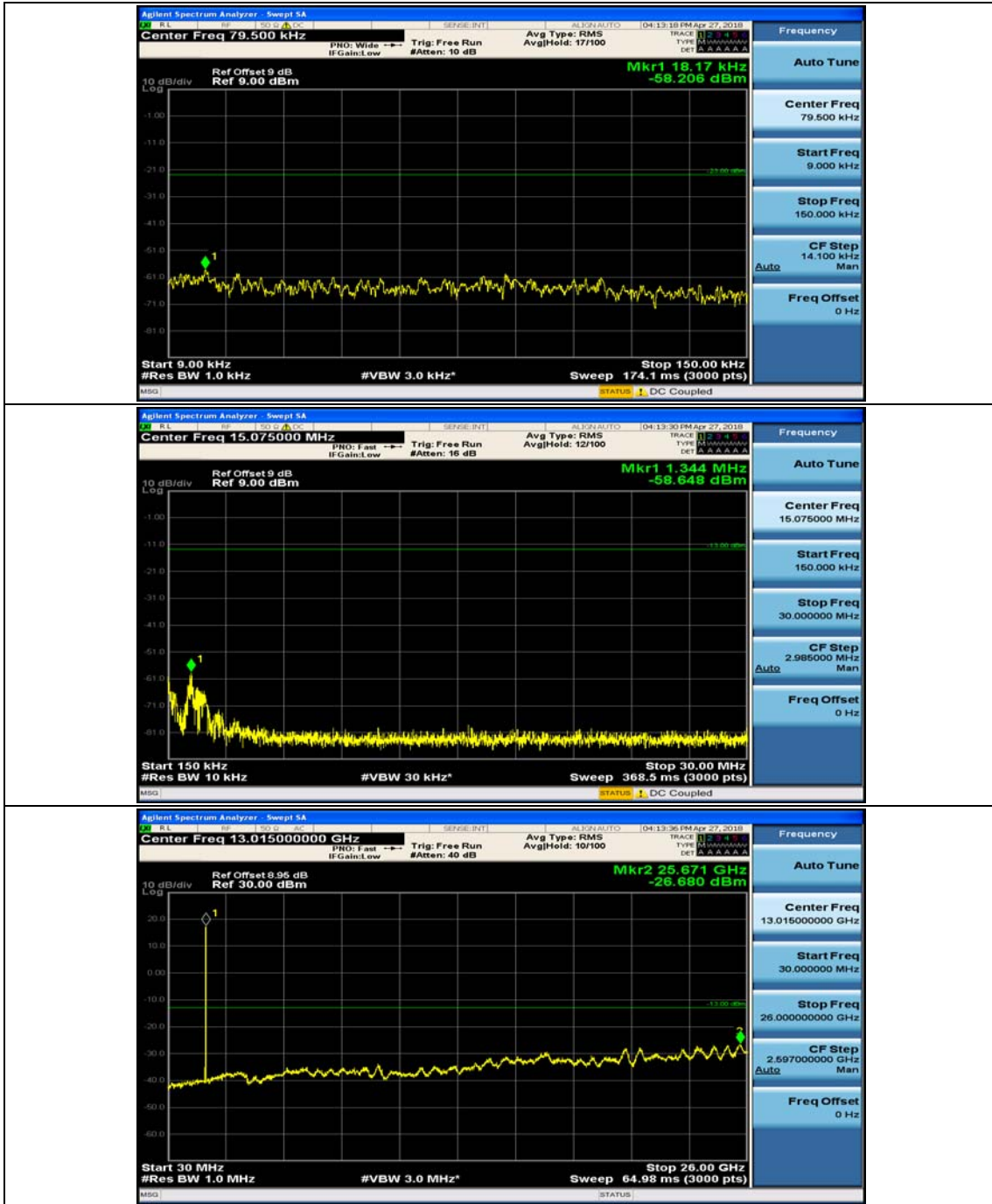


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

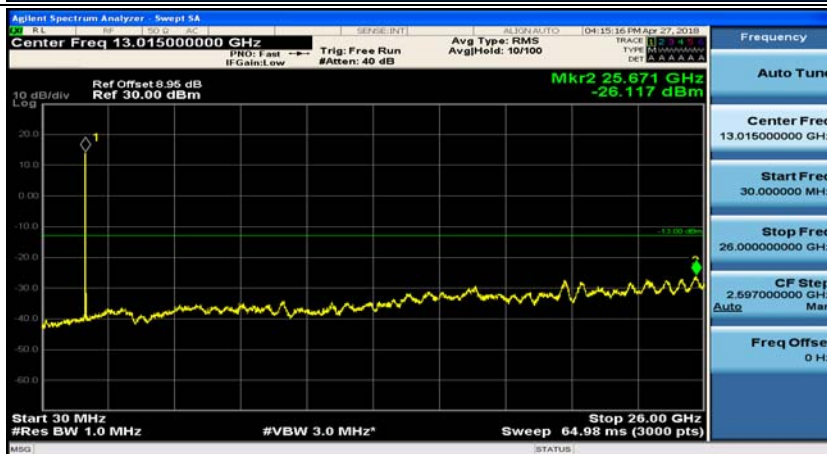
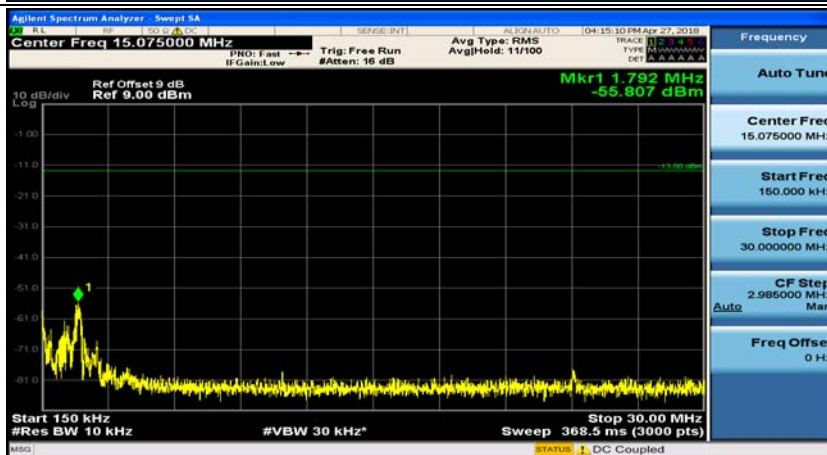
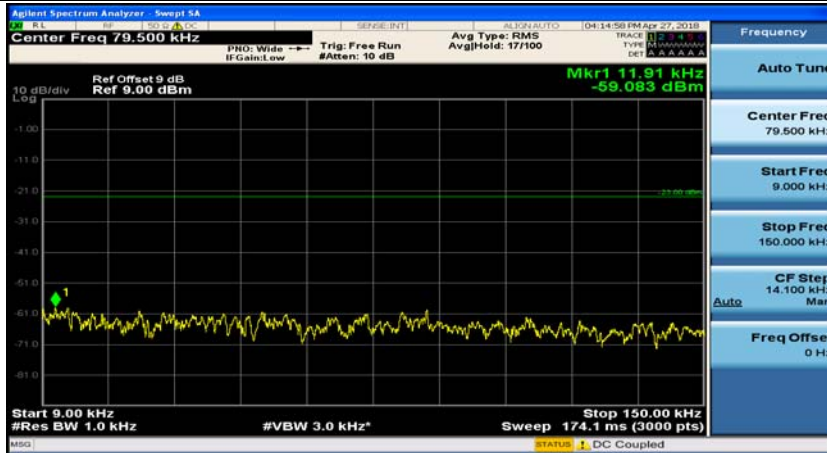


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

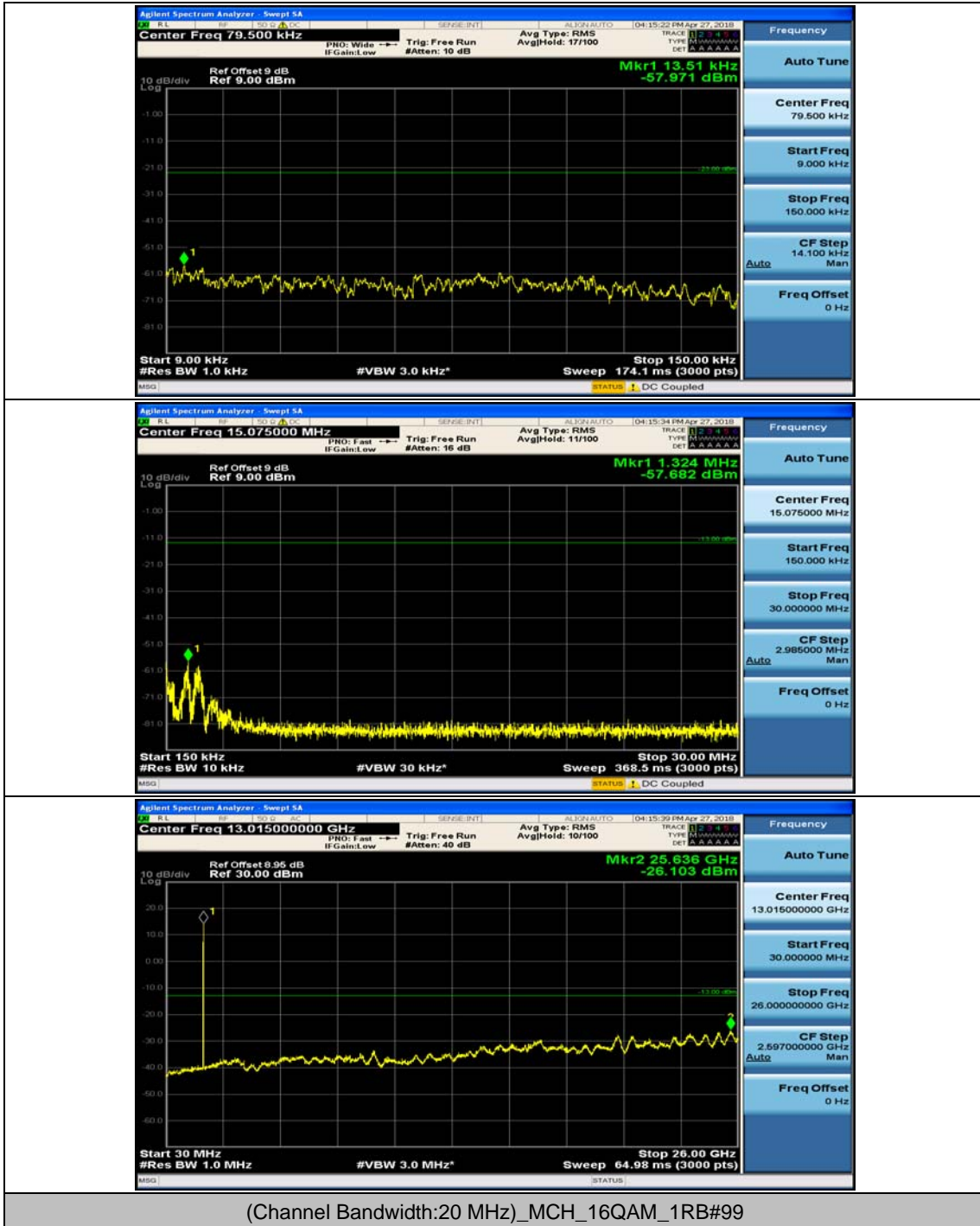


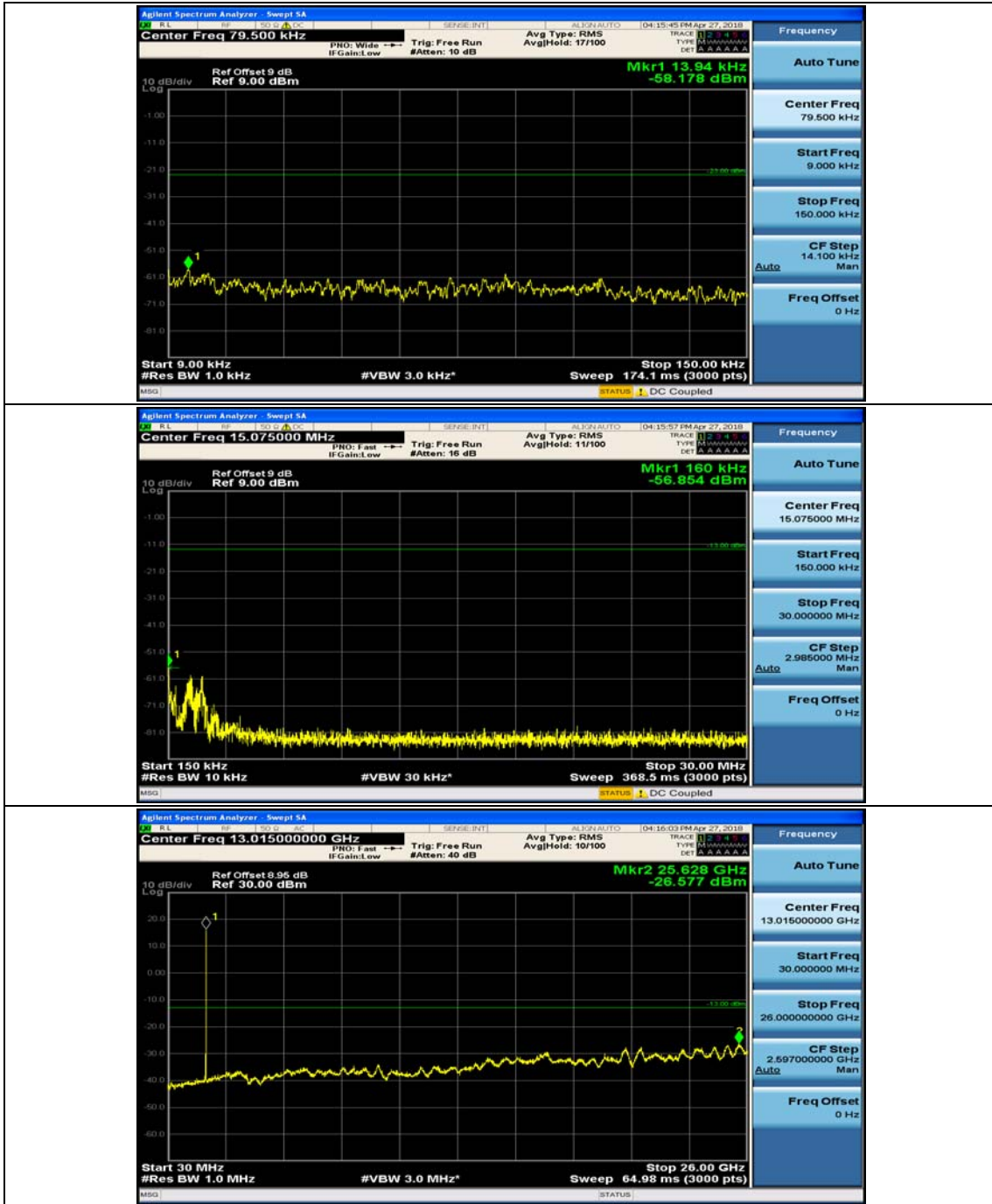


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

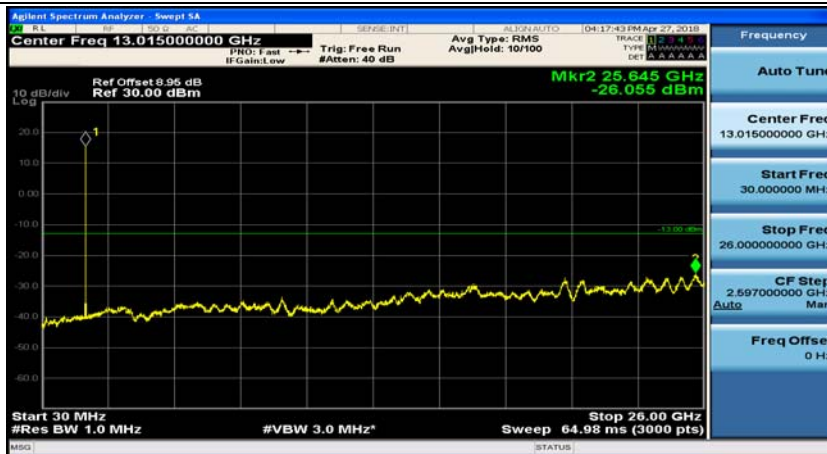
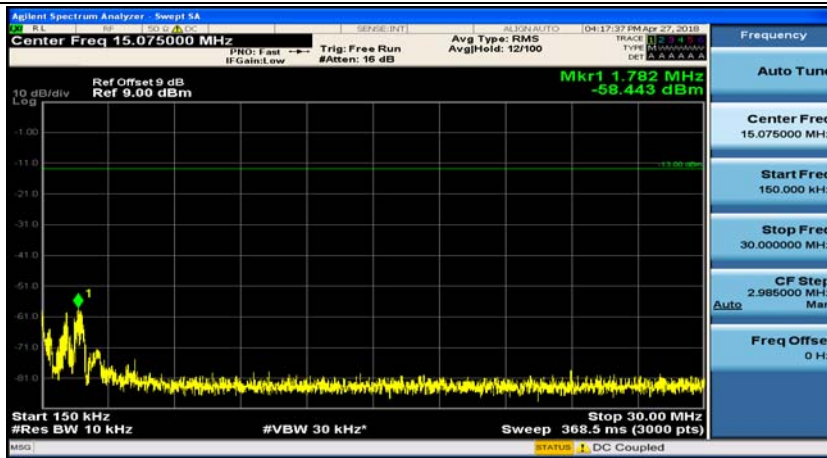
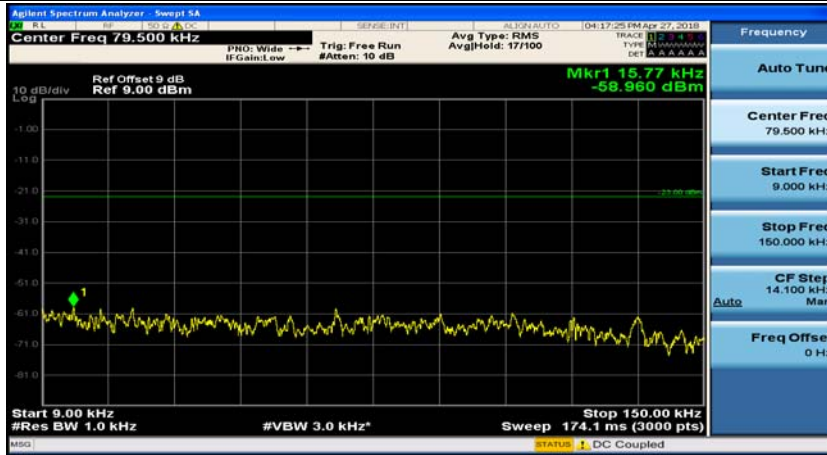


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

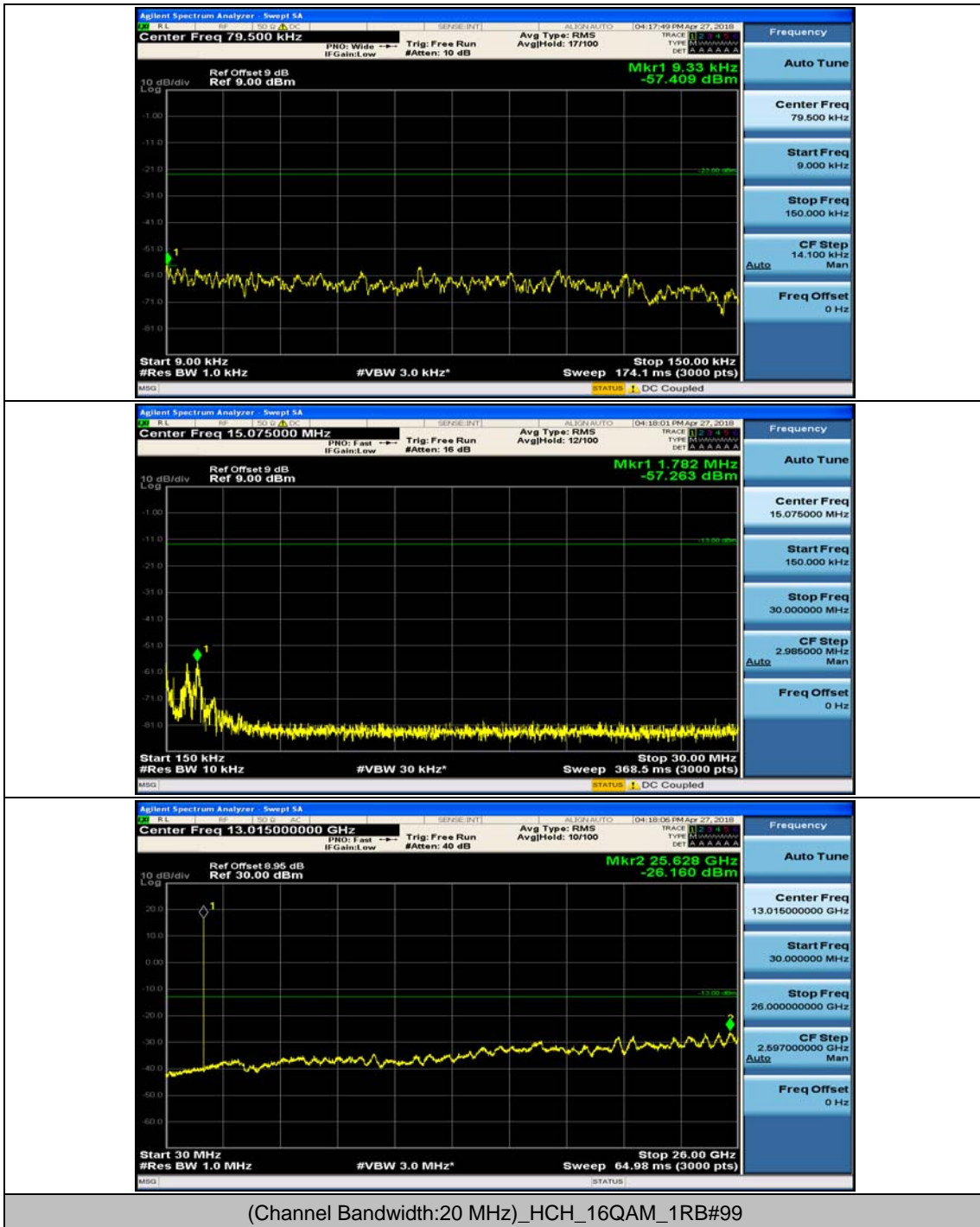


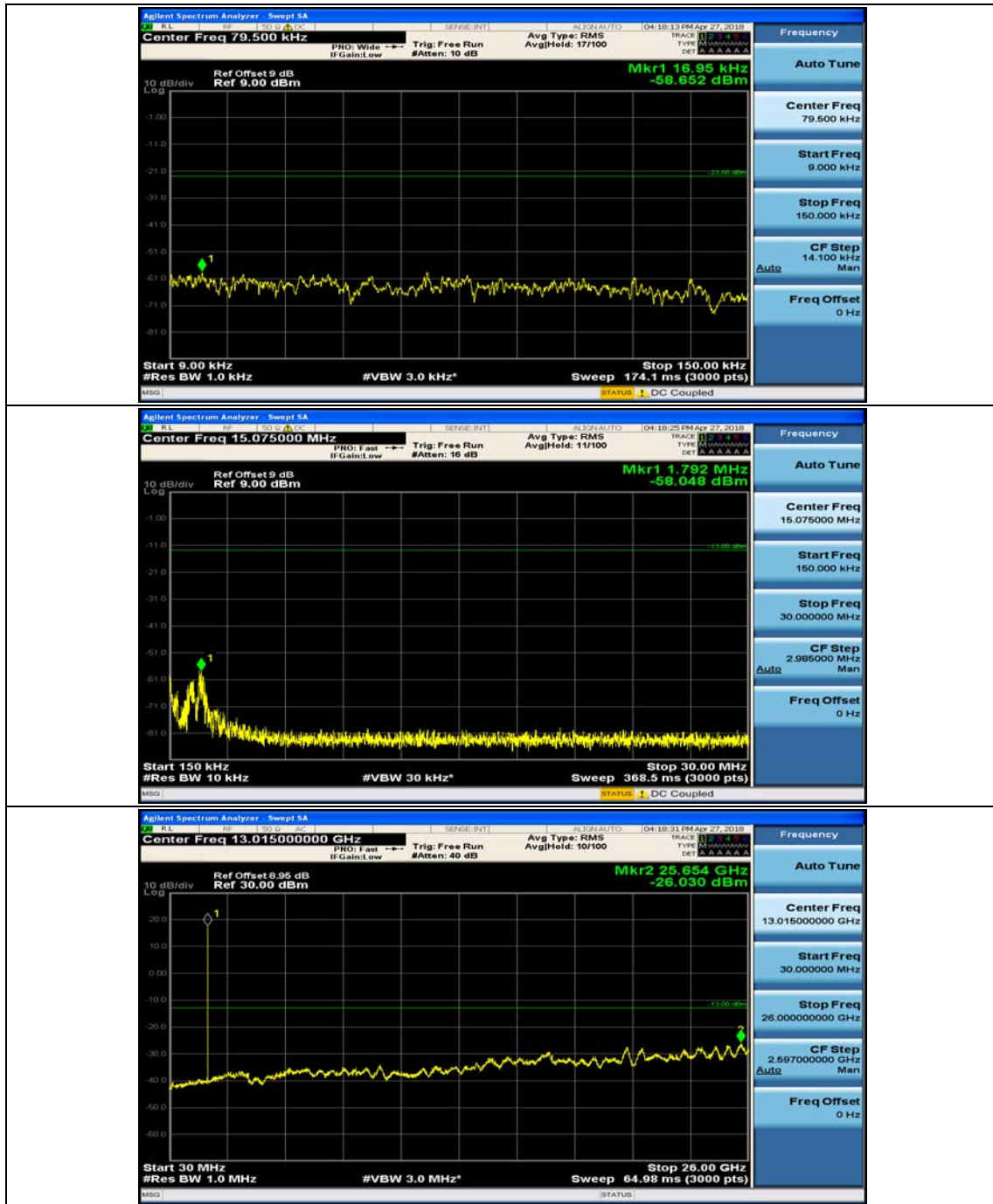


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-1.12	-0.000655	± 2.5	PASS
		VN	TN	4.12	0.002408	± 2.5	PASS
		VH	TN	-0.1	-0.000058	± 2.5	PASS
	MCH	VL	TN	-1.93	-0.001114	± 2.5	PASS
		VN	TN	-0.46	-0.000266	± 2.5	PASS
		VH	TN	2.87	0.001657	± 2.5	PASS
	HCH	VL	TN	2.54	0.001448	± 2.5	PASS
		VN	TN	-1.06	-0.000604	± 2.5	PASS
		VH	TN	0.32	0.000182	± 2.5	PASS
16QAM	LCH	VL	TN	4.22	0.002467	± 2.5	PASS
		VN	TN	-1.82	-0.001064	± 2.5	PASS
		VH	TN	0.15	0.000088	± 2.5	PASS
	MCH	VL	TN	4.31	0.002488	± 2.5	PASS
		VN	TN	3.19	0.001841	± 2.5	PASS
		VH	TN	3.66	0.002113	± 2.5	PASS
	HCH	VL	TN	4.8	0.002736	± 2.5	PASS
		VN	TN	-0.2	-0.000114	± 2.5	PASS
		VH	TN	-0.35	-0.000200	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.96	0.002899	± 2.5	PASS
		VN	-20	-1.09	-0.000637	± 2.5	PASS
		VN	-10	3.03	0.001771	± 2.5	PASS
		VN	0	2.26	0.001321	± 2.5	PASS
		VN	10	-0.9	-0.000526	± 2.5	PASS
		VN	20	-2	-0.001169	± 2.5	PASS
		VN	30	4.77	0.002788	± 2.5	PASS
		VN	40	-1.97	-0.001152	± 2.5	PASS
	MCH	VN	-30	4.85	0.002799	± 2.5	PASS
		VN	-20	1.96	0.001131	± 2.5	PASS

		VN	-10	1.65	0.000952	± 2.5	PASS		
		VN	0	4.88	0.002817	± 2.5	PASS		
		VN	10	2.4	0.001385	± 2.5	PASS		
		VN	20	-0.01	-0.000006	± 2.5	PASS		
		VN	30	1.1	0.000635	± 2.5	PASS		
		VN	40	3.36	0.001939	± 2.5	PASS		
		VN	50	2.09	0.001206	± 2.5	PASS		
	HCH	VN	-30	1.97	0.001123	± 2.5	PASS		
		VN	-20	-0.39	-0.000222	± 2.5	PASS		
		VN	-10	4.2	0.002394	± 2.5	PASS		
		VN	0	-0.03	-0.000017	± 2.5	PASS		
		VN	10	3.33	0.001898	± 2.5	PASS		
		VN	20	3.26	0.001858	± 2.5	PASS		
		VN	30	0.11	0.000063	± 2.5	PASS		
		VN	40	1.36	0.000775	± 2.5	PASS		
		VN	50	-1.76	-0.001003	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.31	0.000181	± 2.5	PASS
				VN	-20	4.97	0.002905	± 2.5	PASS
VN	-10			4.92	0.002876	± 2.5	PASS		
VN	0			1.89	0.001105	± 2.5	PASS		
VN	10			3.27	0.001911	± 2.5	PASS		
VN	20			-1.46	-0.000853	± 2.5	PASS		
VN	30			-0.12	-0.000070	± 2.5	PASS		
VN	40			3.81	0.002227	± 2.5	PASS		
VN	50			3.27	0.001911	± 2.5	PASS		
MCH	VN		-30	1.93	0.001100	± 2.5	PASS		
	VN		-20	1.33	0.000758	± 2.5	PASS		
	VN		-10	0.64	0.000365	± 2.5	PASS		
	VN		0	-1.97	-0.001123	± 2.5	PASS		
	VN		10	2.36	0.001345	± 2.5	PASS		
	VN		20	0.92	0.000524	± 2.5	PASS		
	VN		30	-0.25	-0.000143	± 2.5	PASS		
	VN		40	-0.84	-0.000479	± 2.5	PASS		
	VN		50	2.05	0.001169	± 2.5	PASS		
HCH	VN		-30	-1.33	-0.000758	± 2.5	PASS		
	VN		-20	4.02	0.002292	± 2.5	PASS		
	VN		-10	1.79	0.001020	± 2.5	PASS		
	VN		0	3.35	0.001910	± 2.5	PASS		
	VN		10	2.38	0.001357	± 2.5	PASS		
	VN		20	4.69	0.002673	± 2.5	PASS		
	VN		30	-1.41	-0.000804	± 2.5	PASS		

		VN	40	1.39	0.000792	± 2.5	PASS
		VN	50	1.55	0.000884	± 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	3.83	0.002238	± 2.5	PASS
		VN	TN	-1.93	-0.001128	± 2.5	PASS
		VH	TN	1.95	0.001139	± 2.5	PASS
	MCH	VL	TN	-1.36	-0.000785	± 2.5	PASS
		VN	TN	0.88	0.000508	± 2.5	PASS
		VH	TN	3.08	0.001778	± 2.5	PASS
	HCH	VL	TN	-0.76	-0.000433	± 2.5	PASS
		VN	TN	1.76	0.001004	± 2.5	PASS
		VH	TN	2.44	0.001392	± 2.5	PASS
16QAM	LCH	VL	TN	-0.59	-0.000345	± 2.5	PASS
		VN	TN	4.28	0.002501	± 2.5	PASS
		VH	TN	4.44	0.002594	± 2.5	PASS
	MCH	VL	TN	3.5	0.002020	± 2.5	PASS
		VN	TN	-0.29	-0.000167	± 2.5	PASS
		VH	TN	0.39	0.000225	± 2.5	PASS
	HCH	VL	TN	-1.36	-0.000776	± 2.5	PASS
		VN	TN	-0.89	-0.000508	± 2.5	PASS
		VH	TN	4.29	0.002447	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.28	0.000748	± 2.5	PASS
		VN	-20	2.29	0.001338	± 2.5	PASS
		VN	-10	3.38	0.001975	± 2.5	PASS
		VN	0	3	0.001753	± 2.5	PASS
		VN	10	2.87	0.001677	± 2.5	PASS
		VN	20	0.92	0.000538	± 2.5	PASS
		VN	30	-0.81	-0.000473	± 2.5	PASS
		VN	40	2.88	0.001683	± 2.5	PASS
		VN	50	3.41	0.001992	± 2.5	PASS
	MCH	VN	-30	1.61	0.000929	± 2.5	PASS
		VN	-20	2.15	0.001241	± 2.5	PASS
		VN	-10	1.06	0.000612	± 2.5	PASS

		VN	0	1.55	0.000895	± 2.5	PASS	
		VN	10	-1.18	-0.000681	± 2.5	PASS	
		VN	20	4.12	0.002378	± 2.5	PASS	
		VN	30	2.64	0.001524	± 2.5	PASS	
		VN	40	2.67	0.001541	± 2.5	PASS	
		VN	50	2.37	0.001368	± 2.5	PASS	
	HCH	VN	-30	1.19	0.000679	± 2.5	PASS	
		VN	-20	-1.6	-0.000912	± 2.5	PASS	
		VN	-10	-1.18	-0.000673	± 2.5	PASS	
		VN	0	-0.9	-0.000513	± 2.5	PASS	
		VN	10	-0.71	-0.000405	± 2.5	PASS	
		VN	20	4.56	0.002601	± 2.5	PASS	
		VN	30	3.22	0.001836	± 2.5	PASS	
		VN	40	-0.02	-0.000011	± 2.5	PASS	
	16QAM	LCH	VN	-30	0.47	0.000271	± 2.5	PASS
			VN	-20	3.68	0.002124	± 2.5	PASS
			VN	-10	-0.5	-0.000289	± 2.5	PASS
			VN	0	4.46	0.002574	± 2.5	PASS
VN			10	1.31	0.000756	± 2.5	PASS	
VN			20	4.84	0.002794	± 2.5	PASS	
VN			30	3.1	0.001789	± 2.5	PASS	
VN			40	4.06	0.002343	± 2.5	PASS	
VN			50	-1.76	-0.001016	± 2.5	PASS	
MCH		VN	-30	3.75	0.002139	± 2.5	PASS	
		VN	-20	0.38	0.000217	± 2.5	PASS	
		VN	-10	0.2	0.000114	± 2.5	PASS	
		VN	0	-1.61	-0.000918	± 2.5	PASS	
		VN	10	2.25	0.001283	± 2.5	PASS	
		VN	20	2.45	0.001397	± 2.5	PASS	
		VN	30	4.65	0.002652	± 2.5	PASS	
		VN	40	1.96	0.001118	± 2.5	PASS	
		VN	50	3.67	0.002093	± 2.5	PASS	
HCH	VN	-30	2.58	0.001471	± 2.5	PASS		
	VN	-20	3.87	0.002207	± 2.5	PASS		
	VN	-10	4.1	0.002338	± 2.5	PASS		
	VN	0	4.35	0.002481	± 2.5	PASS		
	VN	10	3.53	0.002013	± 2.5	PASS		
	VN	20	-0.98	-0.000559	± 2.5	PASS		
	VN	30	1.14	0.000650	± 2.5	PASS		
	VN	40	4.57	0.002606	± 2.5	PASS		

		VN	50	-0.6	-0.000342	± 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	2.11	0.001232	± 2.5	PASS
		VN	TN	2.44	0.001425	± 2.5	PASS
		VH	TN	4.57	0.002669	± 2.5	PASS
	MCH	VL	TN	1.43	0.000825	± 2.5	PASS
		VN	TN	-0.04	-0.000023	± 2.5	PASS
		VH	TN	-1.3	-0.000750	± 2.5	PASS
	HCH	VL	TN	3.66	0.002088	± 2.5	PASS
		VN	TN	4.89	0.002790	± 2.5	PASS
		VH	TN	-1.98	-0.001130	± 2.5	PASS
16QAM	LCH	VL	TN	1.94	0.001133	± 2.5	PASS
		VN	TN	-1.53	-0.000893	± 2.5	PASS
		VH	TN	-0.98	-0.000572	± 2.5	PASS
	MCH	VL	TN	-0.66	-0.000381	± 2.5	PASS
		VN	TN	-0.92	-0.000531	± 2.5	PASS
		VH	TN	3.45	0.001991	± 2.5	PASS
	HCH	VL	TN	3.45	0.001969	± 2.5	PASS
		VN	TN	4.86	0.002773	± 2.5	PASS
		VH	TN	2.12	0.001210	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.74	-0.000432	± 2.5	PASS
		VN	-20	3.68	0.002149	± 2.5	PASS
		VN	-10	-1.16	-0.000677	± 2.5	PASS
		VN	0	0.18	0.000105	± 2.5	PASS
		VN	10	3.13	0.001828	± 2.5	PASS
		VN	20	2.09	0.001220	± 2.5	PASS
		VN	30	0.3	0.000175	± 2.5	PASS
		VN	40	0.89	0.000520	± 2.5	PASS
		VN	50	-0.84	-0.000491	± 2.5	PASS
	MCH	VN	-30	1.15	0.000664	± 2.5	PASS
		VN	-20	1.27	0.000733	± 2.5	PASS
		VN	-10	-0.09	-0.000052	± 2.5	PASS
		VN	0	1.52	0.000877	± 2.5	PASS

		VN	10	0.88	0.000508	± 2.5	PASS
		VN	20	1.42	0.000820	± 2.5	PASS
		VN	30	3.2	0.001847	± 2.5	PASS
		VN	40	0.08	0.000046	± 2.5	PASS
		VN	50	-1.78	-0.001027	± 2.5	PASS
	HCH	VN	-30	2.75	0.001569	± 2.5	PASS
		VN	-20	0.49	0.000257	± 2.5	PASS
		VN	-10	4.98	0.002611	± 2.5	PASS
		VN	0	-0.09	-0.000047	± 2.5	PASS
		VN	10	3.31	0.001735	± 2.5	PASS
		VN	20	1.17	0.000613	± 2.5	PASS
		VN	30	3.59	0.001882	± 2.5	PASS
		VN	40	-1.91	-0.001001	± 2.5	PASS
		VN	50	1.75	0.000917	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.21	-0.000698
VN	-20			0.05	0.000029	± 2.5	PASS
VN	-10			4.4	0.002540	± 2.5	PASS
VN	0			5	0.002886	± 2.5	PASS
VN	10			2.05	0.001183	± 2.5	PASS
VN	20			3.82	0.002205	± 2.5	PASS
VN	30			0.24	0.000139	± 2.5	PASS
VN	40			-0.53	-0.000306	± 2.5	PASS
VN	50			-1.16	-0.000670	± 2.5	PASS
MCH	VN		-30	-1.79	-0.001021	± 2.5	PASS
	VN		-20	3.78	0.002157	± 2.5	PASS
	VN		-10	1.16	0.000662	± 2.5	PASS
	VN		0	1.92	0.001096	± 2.5	PASS
	VN		10	1.28	0.000730	± 2.5	PASS
	VN		20	3.72	0.002123	± 2.5	PASS
	VN		30	1.3	0.000742	± 2.5	PASS
	VN		40	4.18	0.002385	± 2.5	PASS
	VN		50	3.96	0.002260	± 2.5	PASS
HCH	VN		-30	1.84	0.000965	± 2.5	PASS
	VN		-20	1.67	0.000875	± 2.5	PASS
	VN		-10	4.71	0.002469	± 2.5	PASS
	VN		0	2.84	0.001489	± 2.5	PASS
	VN		10	0.69	0.000362	± 2.5	PASS
	VN		20	2.47	0.001295	± 2.5	PASS
	VN		30	2.27	0.001190	± 2.5	PASS
	VN		40	0.9	0.000472	± 2.5	PASS
	VN		50	3.13	0.001641	± 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	0.58	0.000338	± 2.5	PASS
		VN	TN	0.04	0.000023	± 2.5	PASS
		VH	TN	-1.82	-0.001061	± 2.5	PASS
	MCH	VL	TN	2.59	0.001495	± 2.5	PASS
		VN	TN	1.05	0.000606	± 2.5	PASS
		VH	TN	-0.78	-0.000450	± 2.5	PASS
	HCH	VL	TN	0.1	0.000057	± 2.5	PASS
		VN	TN	0.52	0.000297	± 2.5	PASS
		VH	TN	2.96	0.001691	± 2.5	PASS
16QAM	LCH	VL	TN	1.06	0.000618	± 2.5	PASS
		VN	TN	0.07	0.000041	± 2.5	PASS
		VH	TN	3.66	0.002134	± 2.5	PASS
	MCH	VL	TN	-0.02	-0.000012	± 2.5	PASS
		VN	TN	-0.9	-0.000519	± 2.5	PASS
		VH	TN	4.15	0.002395	± 2.5	PASS
	HCH	VL	TN	3.28	0.001874	± 2.5	PASS
		VN	TN	0.95	0.000543	± 2.5	PASS
		VH	TN	4.62	0.002640	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-0.71	-0.000414	± 2.5	PASS
		VN	-20	-1.53	-0.000892	± 2.5	PASS
		VN	-10	0.56	0.000327	± 2.5	PASS
		VN	0	-1.04	-0.000606	± 2.5	PASS
		VN	10	2.16	0.001259	± 2.5	PASS
		VN	20	3.3	0.001924	± 2.5	PASS
		VN	30	-1.74	-0.001015	± 2.5	PASS
		VN	40	3.2	0.001866	± 2.5	PASS
		VN	50	1.74	0.001015	± 2.5	PASS
	MCH	VN	-30	4.28	0.002470	± 2.5	PASS
		VN	-20	2.18	0.001258	± 2.5	PASS
		VN	-10	4.78	0.002759	± 2.5	PASS
		VN	0	-0.87	-0.000502	± 2.5	PASS
		VN	10	-1.58	-0.000912	± 2.5	PASS
		VN	20	1.79	0.001033	± 2.5	PASS

		VN	30	-0.53	-0.000306	± 2.5	PASS
		VN	40	0.51	0.000294	± 2.5	PASS
		VN	50	2.67	0.001541	± 2.5	PASS
	HCH	VN	-30	2.21	0.001263	± 2.5	PASS
		VN	-20	-0.43	-0.000246	± 2.5	PASS
		VN	-10	-1.04	-0.000594	± 2.5	PASS
		VN	0	3.89	0.002223	± 2.5	PASS
		VN	10	3.38	0.001931	± 2.5	PASS
		VN	20	1.02	0.000583	± 2.5	PASS
		VN	30	2.06	0.001177	± 2.5	PASS
		VN	40	3.4	0.001943	± 2.5	PASS
		VN	50	-0.8	-0.000457	± 2.5	PASS
QPSK	LCH	VN	-30	4.2	0.002424	± 2.5	PASS
		VN	-20	0.64	0.000369	± 2.5	PASS
		VN	-10	3.21	0.001853	± 2.5	PASS
		VN	0	-0.39	-0.000225	± 2.5	PASS
		VN	10	4.04	0.002332	± 2.5	PASS
		VN	20	-0.41	-0.000237	± 2.5	PASS
		VN	30	4.34	0.002505	± 2.5	PASS
		VN	40	3.3	0.001905	± 2.5	PASS
	MCH	VN	50	0.43	0.000248	± 2.5	PASS
		VN	-30	3.76	0.002149	± 2.5	PASS
		VN	-20	-1.55	-0.000886	± 2.5	PASS
		VN	-10	-0.2	-0.000114	± 2.5	PASS
		VN	0	3.8	0.002171	± 2.5	PASS
		VN	10	-1.39	-0.000794	± 2.5	PASS
		VN	20	1.63	0.000931	± 2.5	PASS
		VN	30	4.24	0.002423	± 2.5	PASS
		VN	40	1.62	0.000926	± 2.5	PASS
	HCH	VN	50	4.88	0.002789	± 2.5	PASS
		VN	-30	3.1	0.001771	± 2.5	PASS
		VN	-20	-1.06	-0.000606	± 2.5	PASS
		VN	-10	-1.08	-0.000617	± 2.5	PASS
		VN	0	-0.01	-0.000006	± 2.5	PASS
		VN	10	3.62	0.002069	± 2.5	PASS
		VN	20	-0.81	-0.000463	± 2.5	PASS
VN		30	-1.86	-0.001063	± 2.5	PASS	
VN	40	-1.11	-0.000634	± 2.5	PASS		
VN	50	3.28	0.001874	± 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	-0.89	-0.000518	± 2.5	PASS
		VN	TN	-0.49	-0.000285	± 2.5	PASS
		VH	TN	0.12	0.000070	± 2.5	PASS
	MCH	VL	TN	2.37	0.001368	± 2.5	PASS
		VN	TN	0.17	0.000098	± 2.5	PASS
		VH	TN	-0.04	-0.000023	± 2.5	PASS
	HCH	VL	TN	2.23	0.001276	± 2.5	PASS
		VN	TN	0.79	0.000452	± 2.5	PASS
		VH	TN	-1.99	-0.001139	± 2.5	PASS
16QAM	LCH	VL	TN	2.88	0.001677	± 2.5	PASS
		VN	TN	0.49	0.000285	± 2.5	PASS
		VH	TN	0.51	0.000297	± 2.5	PASS
	MCH	VL	TN	3.71	0.002141	± 2.5	PASS
		VN	TN	3.6	0.002078	± 2.5	PASS
		VH	TN	3.27	0.001887	± 2.5	PASS
	HCH	VL	TN	-1.57	-0.000898	± 2.5	PASS
		VN	TN	4.97	0.002844	± 2.5	PASS
		VH	TN	0.01	0.000006	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.41	0.001985	± 2.5	PASS
		VN	-20	-0.27	-0.000157	± 2.5	PASS
		VN	-10	3.25	0.001892	± 2.5	PASS
		VN	0	1.93	0.001124	± 2.5	PASS
		VN	10	4.79	0.002789	± 2.5	PASS
		VN	20	2.4	0.001397	± 2.5	PASS
		VN	30	-0.28	-0.000163	± 2.5	PASS
		VN	40	3.21	0.001869	± 2.5	PASS
		VN	50	-0.2	-0.000116	± 2.5	PASS
	MCH	VN	-30	1	0.000577	± 2.5	PASS
		VN	-20	4.59	0.002649	± 2.5	PASS
		VN	-10	1.82	0.001051	± 2.5	PASS
		VN	0	2.14	0.001235	± 2.5	PASS
		VN	10	-0.93	-0.000537	± 2.5	PASS
		VN	20	2.61	0.001506	± 2.5	PASS

		VN	30	1.46	0.000843	± 2.5	PASS
		VN	40	-0.61	-0.000352	± 2.5	PASS
		VN	50	0.29	0.000167	± 2.5	PASS
	HCH	VN	-30	-1.66	-0.000950	± 2.5	PASS
		VN	-20	0.58	0.000332	± 2.5	PASS
		VN	-10	-1.2	-0.000687	± 2.5	PASS
		VN	0	-0.81	-0.000464	± 2.5	PASS
		VN	10	1.42	0.000813	± 2.5	PASS
		VN	20	2.92	0.001671	± 2.5	PASS
		VN	30	2.82	0.001614	± 2.5	PASS
		VN	40	2.9	0.001660	± 2.5	PASS
		VN	50	-0.97	-0.000555	± 2.5	PASS
16QAM	LCH	VN	-30	4.51	0.002603	± 2.5	PASS
		VN	-20	1.58	0.000912	± 2.5	PASS
		VN	-10	4.92	0.002840	± 2.5	PASS
		VN	0	-0.04	-0.000023	± 2.5	PASS
		VN	10	4.99	0.002880	± 2.5	PASS
		VN	20	4.79	0.002765	± 2.5	PASS
		VN	30	1.21	0.000698	± 2.5	PASS
		VN	40	0.56	0.000323	± 2.5	PASS
		VN	50	-0.31	-0.000179	± 2.5	PASS
	MCH	VN	-30	0.14	0.000080	± 2.5	PASS
		VN	-20	0.52	0.000298	± 2.5	PASS
		VN	-10	-1.28	-0.000732	± 2.5	PASS
		VN	0	1.34	0.000767	± 2.5	PASS
		VN	10	4.57	0.002615	± 2.5	PASS
		VN	20	-0.95	-0.000544	± 2.5	PASS
		VN	30	-1.1	-0.000629	± 2.5	PASS
		VN	40	-0.07	-0.000040	± 2.5	PASS
		VN	50	1.03	0.000589	± 2.5	PASS
	HCH	VN	-30	-0.11	-0.000063	± 2.5	PASS
		VN	-20	2.73	0.001562	± 2.5	PASS
		VN	-10	-1.51	-0.000864	± 2.5	PASS
		VN	0	-1.13	-0.000647	± 2.5	PASS
		VN	10	3.74	0.002140	± 2.5	PASS
		VN	20	2.89	0.001654	± 2.5	PASS
		VN	30	-0.53	-0.000303	± 2.5	PASS
		VN	40	-0.72	-0.000412	± 2.5	PASS
		VN	50	1.95	0.001116	± 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	3.38	0.001965	± 2.5	PASS
		VN	TN	4.95	0.002878	± 2.5	PASS
		VH	TN	3.33	0.001936	± 2.5	PASS
	MCH	VL	TN	-1.33	-0.000768	± 2.5	PASS
		VN	TN	2.35	0.001356	± 2.5	PASS
		VH	TN	4.78	0.002759	± 2.5	PASS
	HCH	VL	TN	4.91	0.002814	± 2.5	PASS
		VN	TN	-1.48	-0.000848	± 2.5	PASS
		VH	TN	0.6	0.000344	± 2.5	PASS
16QAM	LCH	VL	TN	1.82	0.001058	± 2.5	PASS
		VN	TN	-1.35	-0.000785	± 2.5	PASS
		VH	TN	4.53	0.002634	± 2.5	PASS
	MCH	VL	TN	1.23	0.000710	± 2.5	PASS
		VN	TN	-1.84	-0.001062	± 2.5	PASS
		VH	TN	-1.59	-0.000918	± 2.5	PASS
	HCH	VL	TN	0.34	0.000195	± 2.5	PASS
		VN	TN	-1.74	-0.000997	± 2.5	PASS
		VH	TN	-1.71	-0.000980	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.75	0.001599	± 2.5	PASS
		VN	-20	4.35	0.002529	± 2.5	PASS
		VN	-10	2.39	0.001390	± 2.5	PASS
		VN	0	-1.76	-0.001023	± 2.5	PASS
		VN	10	4.23	0.002459	± 2.5	PASS
		VN	20	3.14	0.001826	± 2.5	PASS
		VN	30	3.78	0.002198	± 2.5	PASS
		VN	40	2.69	0.001564	± 2.5	PASS
		VN	50	2.69	0.001564	± 2.5	PASS
	MCH	VN	-30	3.67	0.002118	± 2.5	PASS
		VN	-20	3.8	0.002193	± 2.5	PASS
		VN	-10	3.41	0.001968	± 2.5	PASS
		VN	0	4.91	0.002834	± 2.5	PASS
		VN	10	4.69	0.002707	± 2.5	PASS
		VN	20	4.24	0.002447	± 2.5	PASS

		VN	30	4.08	0.002355	± 2.5	PASS
		VN	40	4.14	0.002390	± 2.5	PASS
		VN	50	1.99	0.001149	± 2.5	PASS
	HCH	VN	-30	4.15	0.002378	± 2.5	PASS
		VN	-20	2.08	0.001192	± 2.5	PASS
		VN	-10	3.17	0.001817	± 2.5	PASS
		VN	0	4.92	0.002819	± 2.5	PASS
		VN	10	-1.07	-0.000613	± 2.5	PASS
		VN	20	2.44	0.001398	± 2.5	PASS
		VN	30	4.51	0.002585	± 2.5	PASS
		VN	40	4.72	0.002705	± 2.5	PASS
		VN	50	3.25	0.001862	± 2.5	PASS
16QAM	LCH	VN	-30	-1.71	-0.000987	± 2.5	PASS
		VN	-20	4.77	0.002753	± 2.5	PASS
		VN	-10	2.24	0.001293	± 2.5	PASS
		VN	0	0.29	0.000167	± 2.5	PASS
		VN	10	3.55	0.002049	± 2.5	PASS
		VN	20	4.18	0.002413	± 2.5	PASS
		VN	30	2.91	0.001680	± 2.5	PASS
		VN	40	0.08	0.000046	± 2.5	PASS
		VN	50	0.15	0.000087	± 2.5	PASS
	MCH	VN	-30	4.59	0.002630	± 2.5	PASS
		VN	-20	0.79	0.000453	± 2.5	PASS
		VN	-10	3.25	0.001862	± 2.5	PASS
		VN	0	3.42	0.001960	± 2.5	PASS
		VN	10	0.83	0.000476	± 2.5	PASS
		VN	20	1.89	0.001083	± 2.5	PASS
		VN	30	2.15	0.001232	± 2.5	PASS
		VN	40	-1.25	-0.000716	± 2.5	PASS
		VN	50	-1.89	-0.001083	± 2.5	PASS
	HCH	VN	-30	0.43	0.000246	± 2.5	PASS
		VN	-20	-0.5	-0.000287	± 2.5	PASS
		VN	-10	4.44	0.002544	± 2.5	PASS
		VN	0	4.71	0.002699	± 2.5	PASS
		VN	10	-0.64	-0.000367	± 2.5	PASS
		VN	20	-1.49	-0.000854	± 2.5	PASS
		VN	30	2.91	0.001668	± 2.5	PASS
		VN	40	4.08	0.002338	± 2.5	PASS
		VN	50	-1.62	-0.000928	± 2.5	PASS