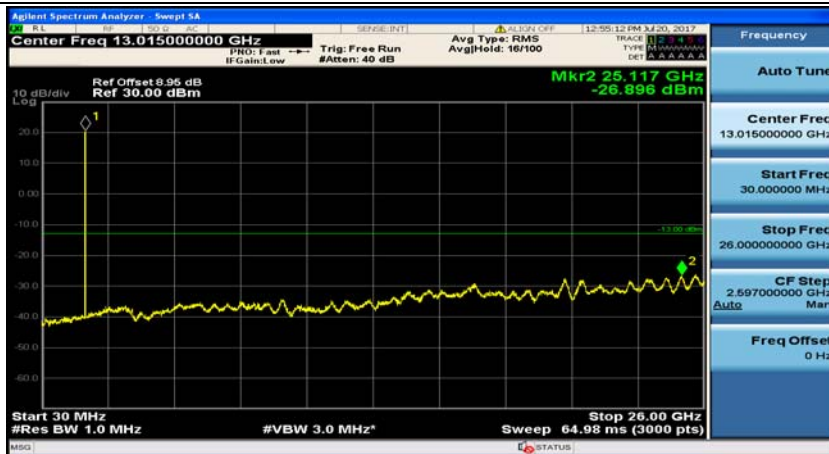
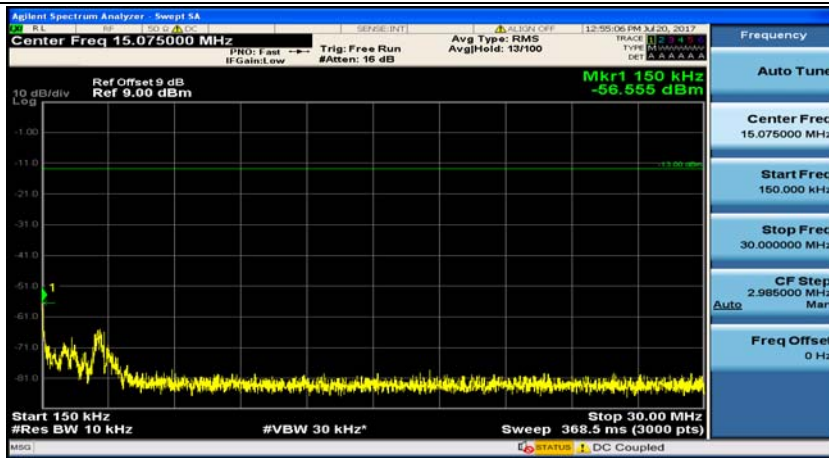
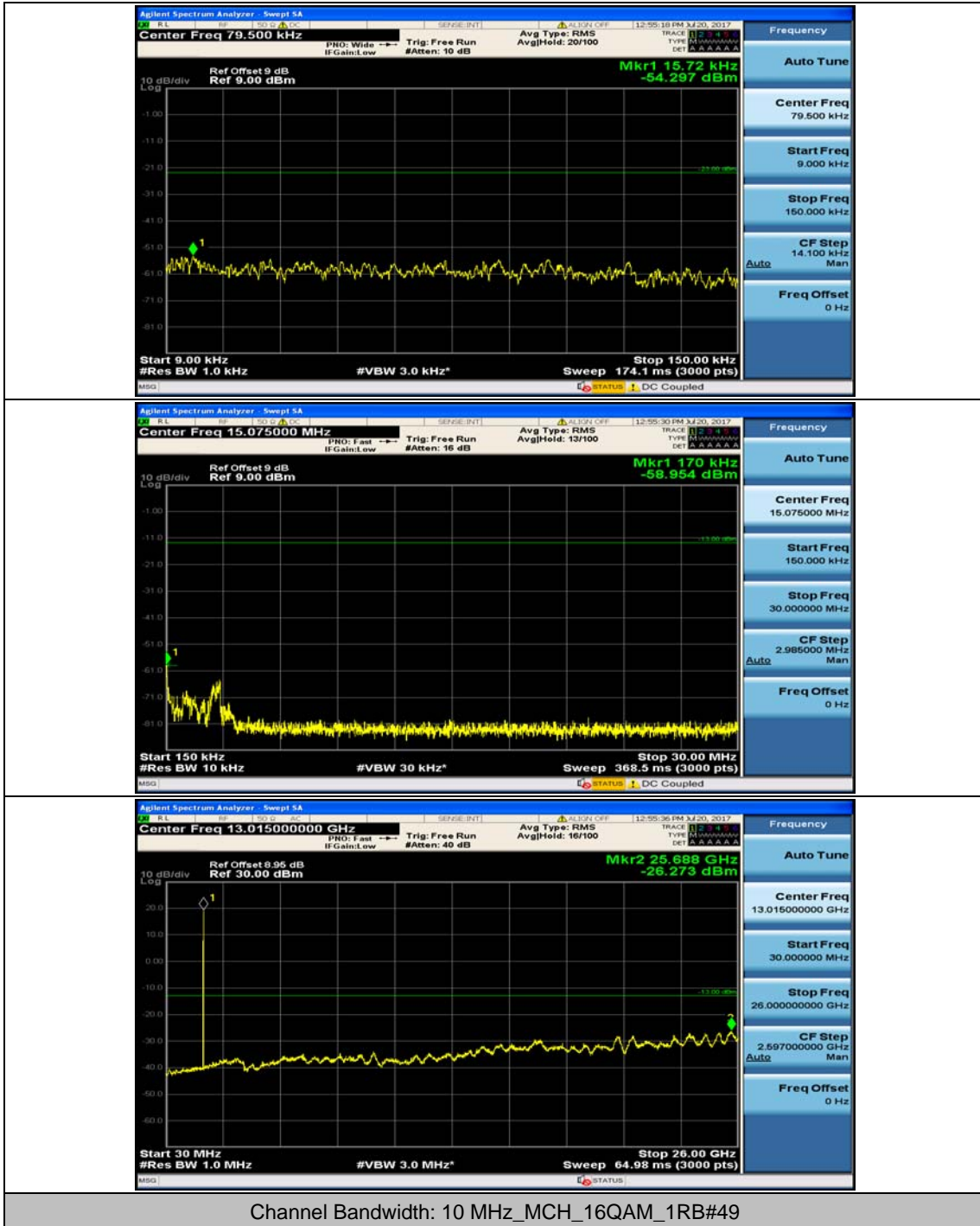
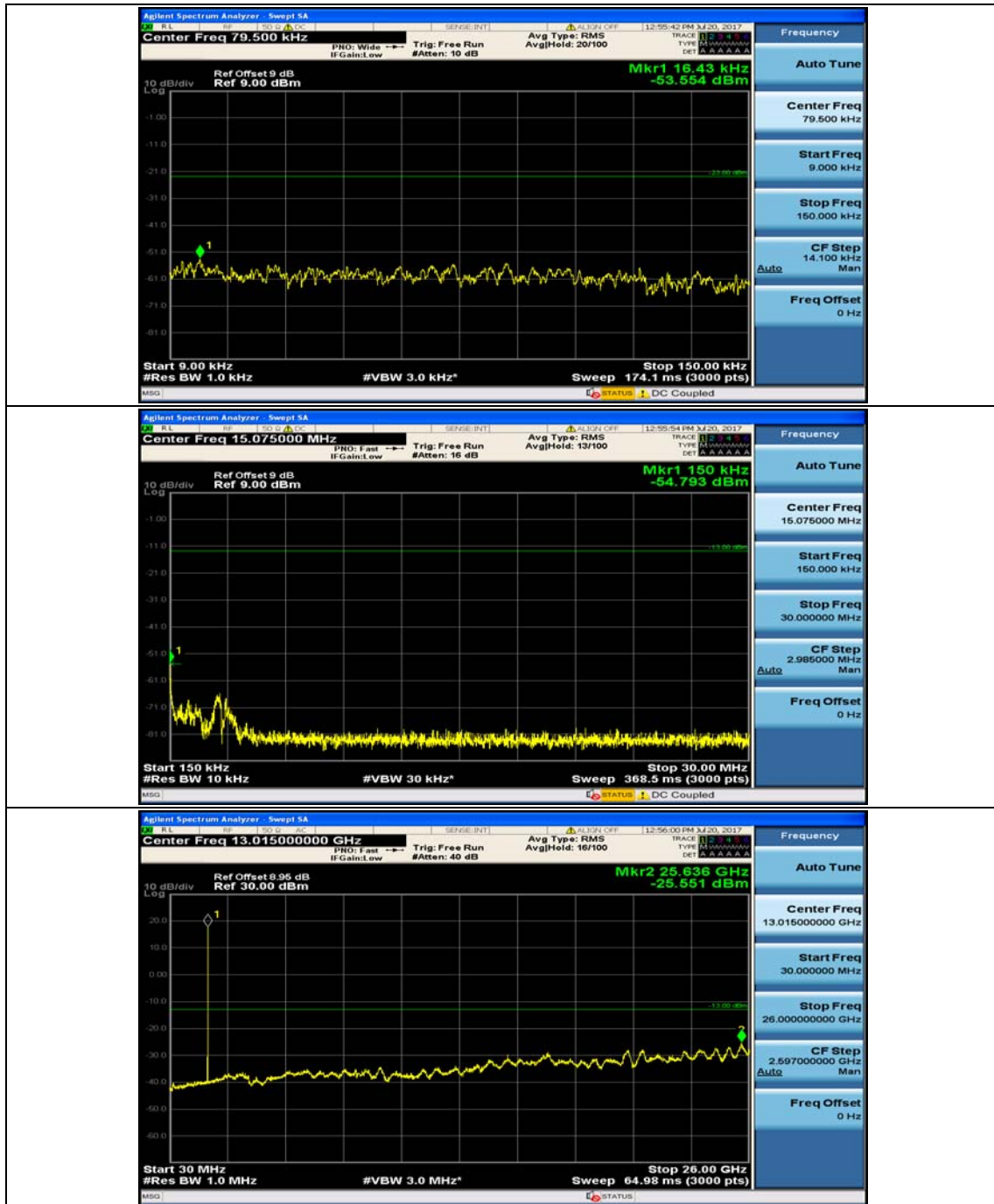


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

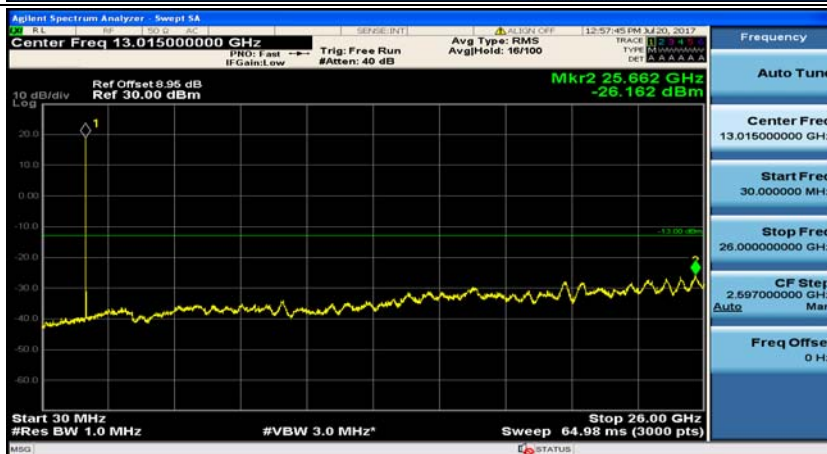
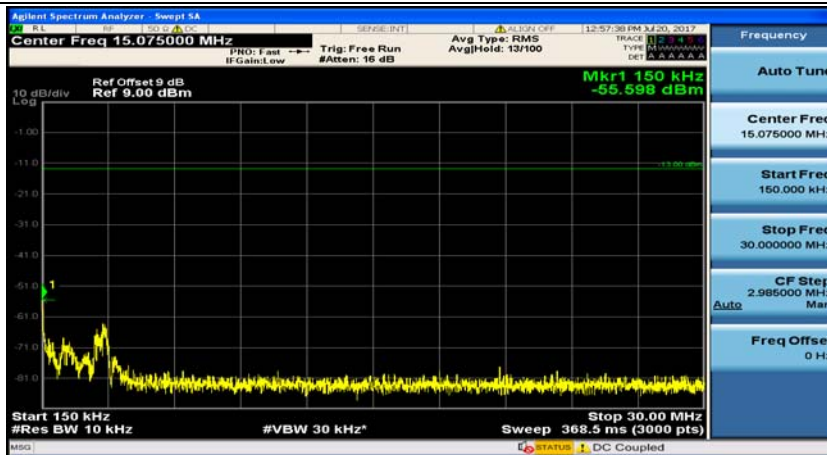
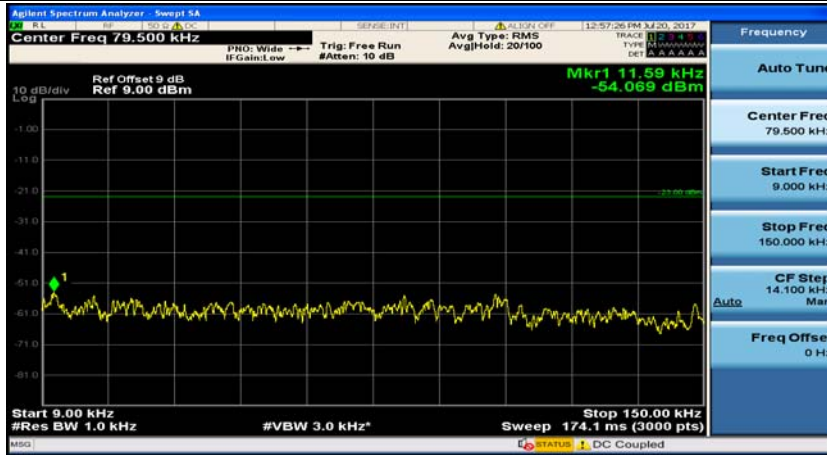


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

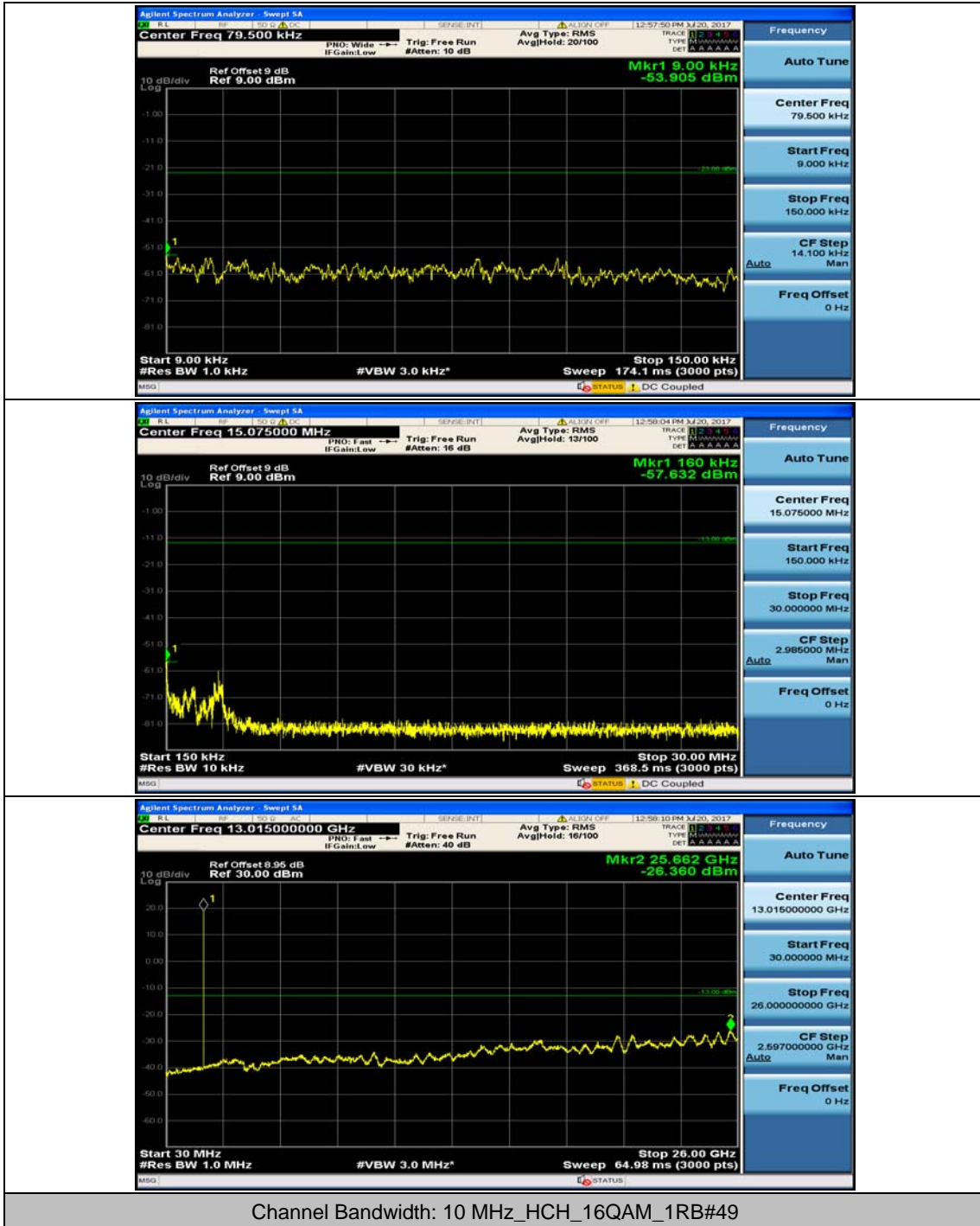


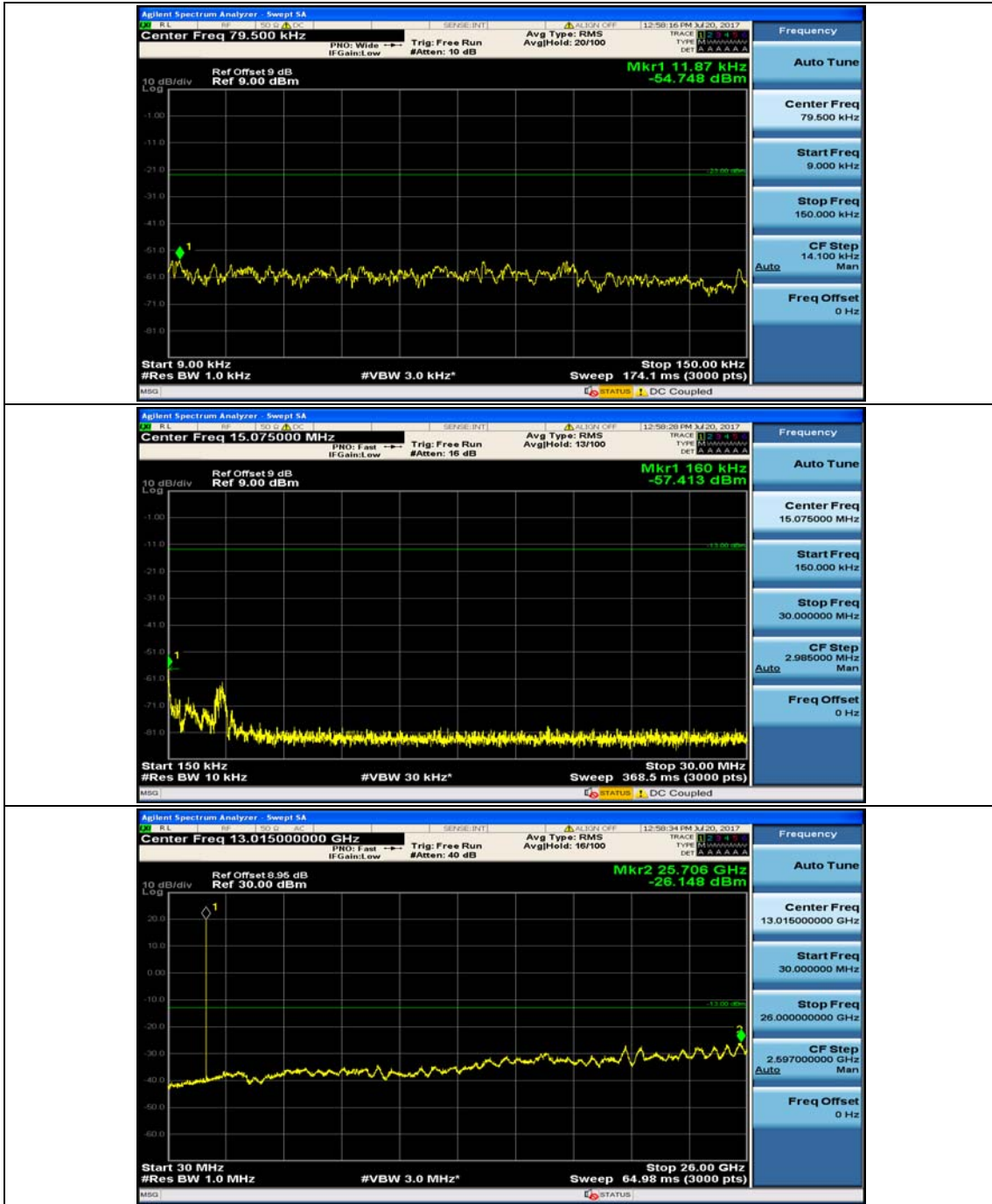


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

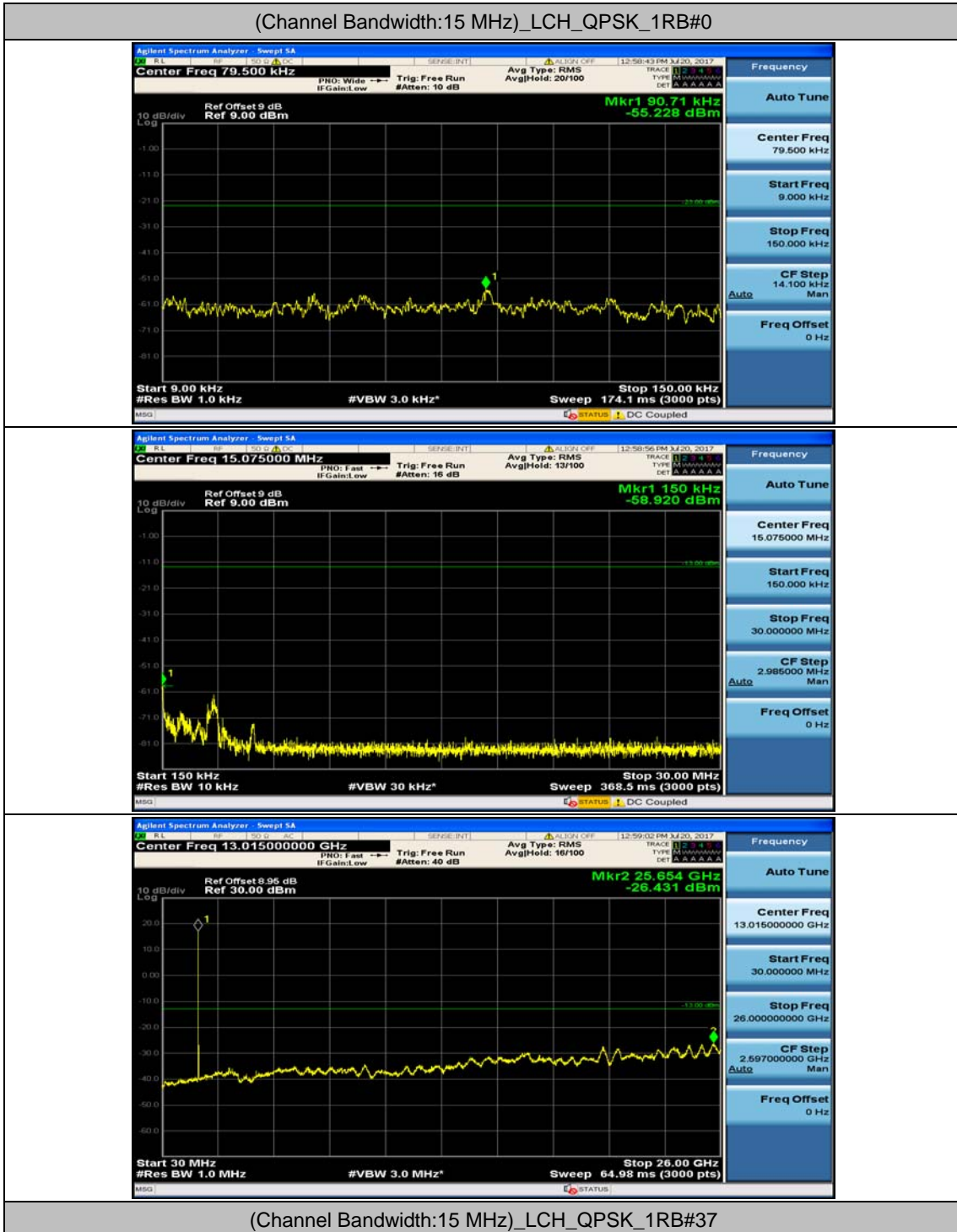


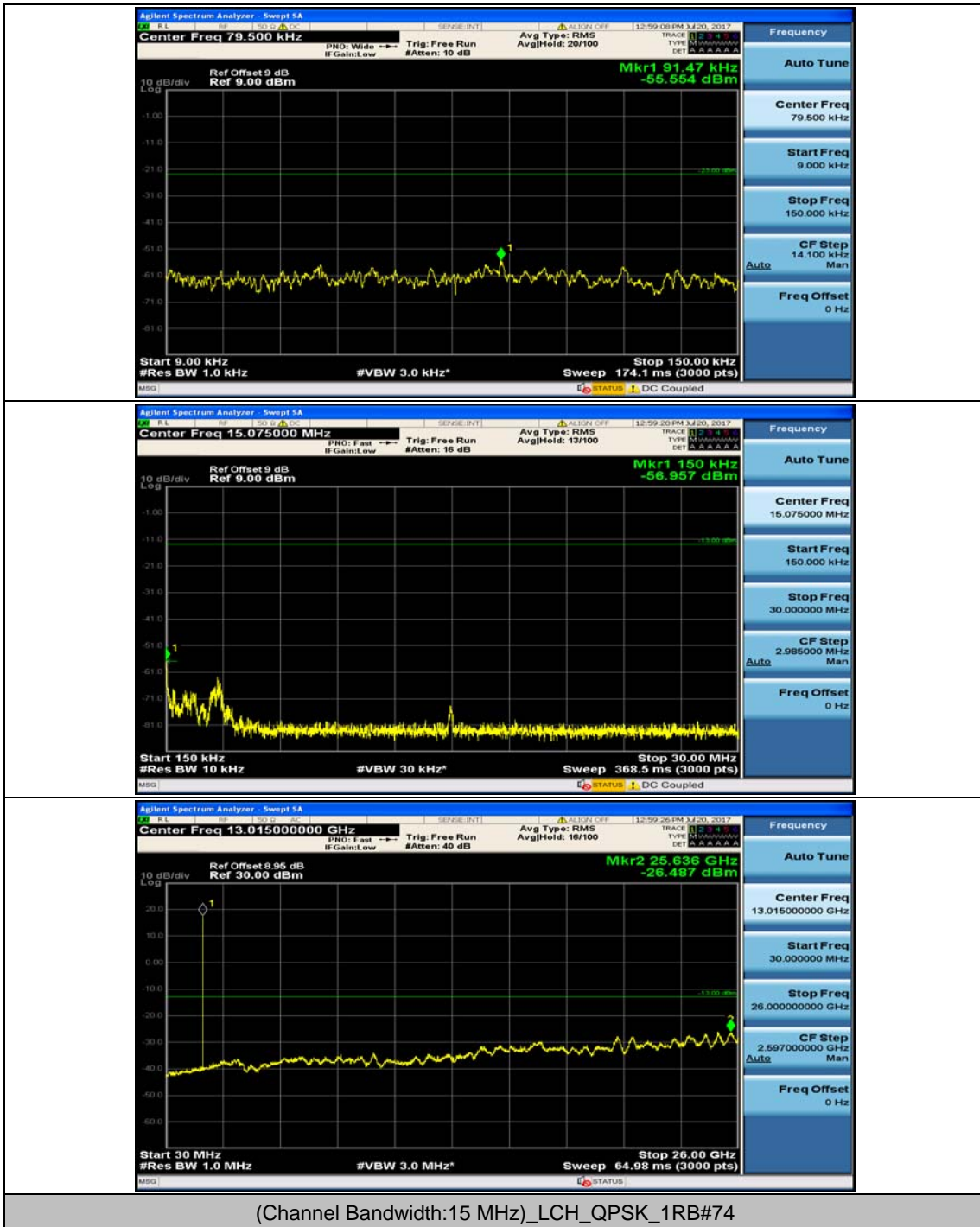
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

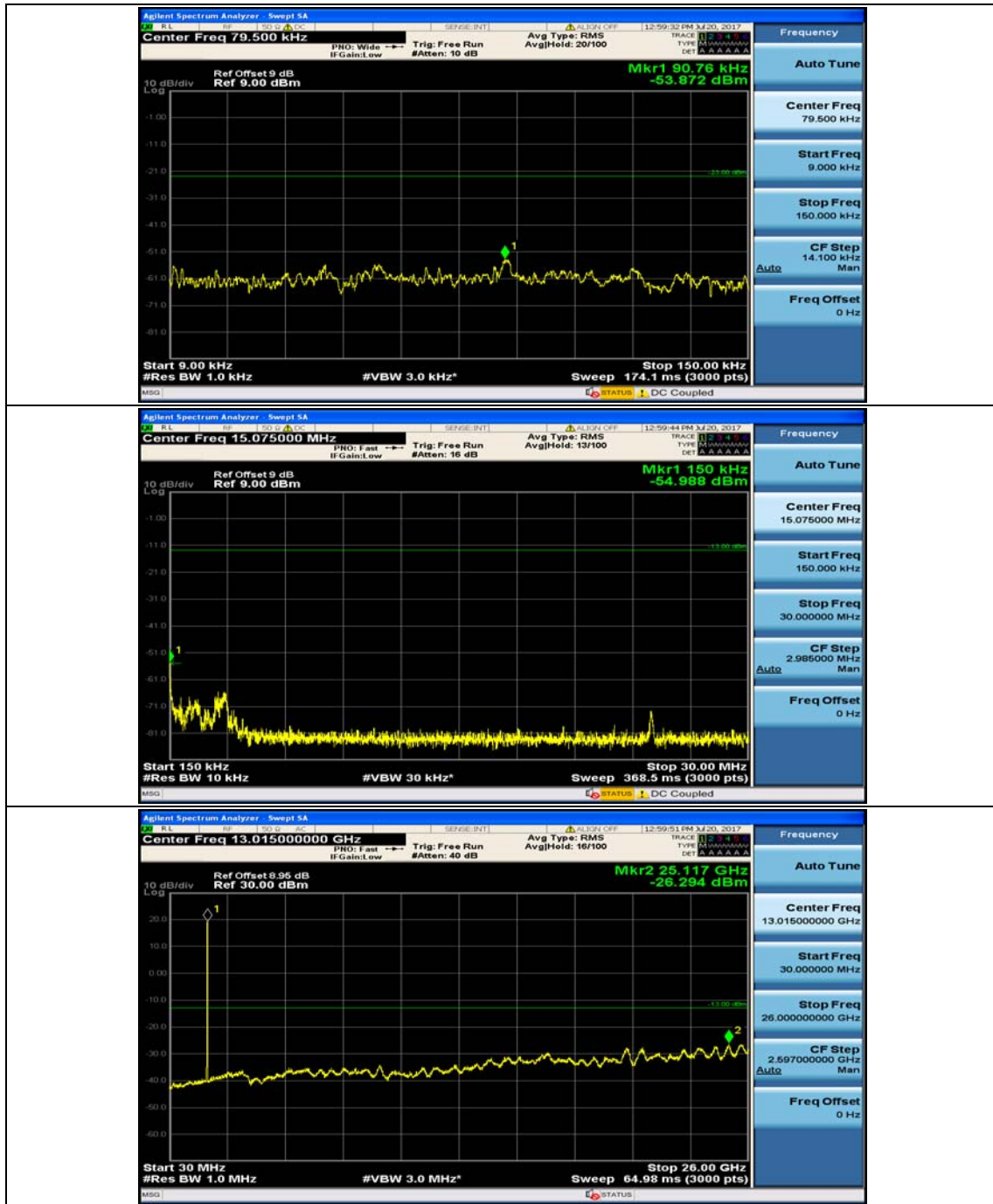




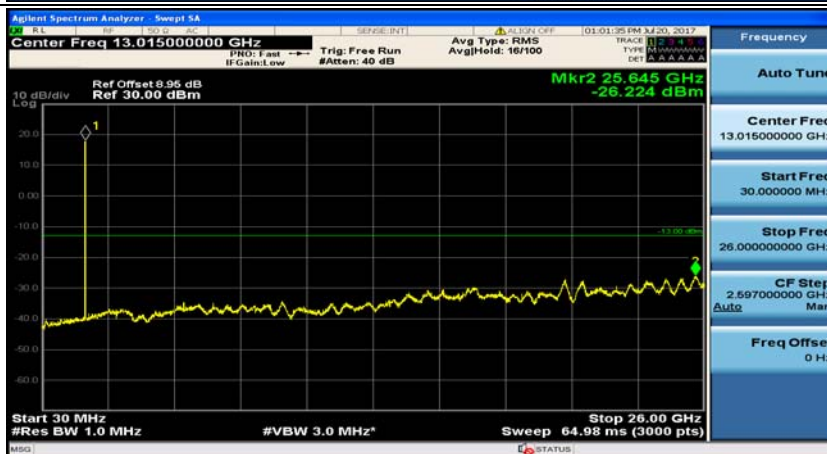
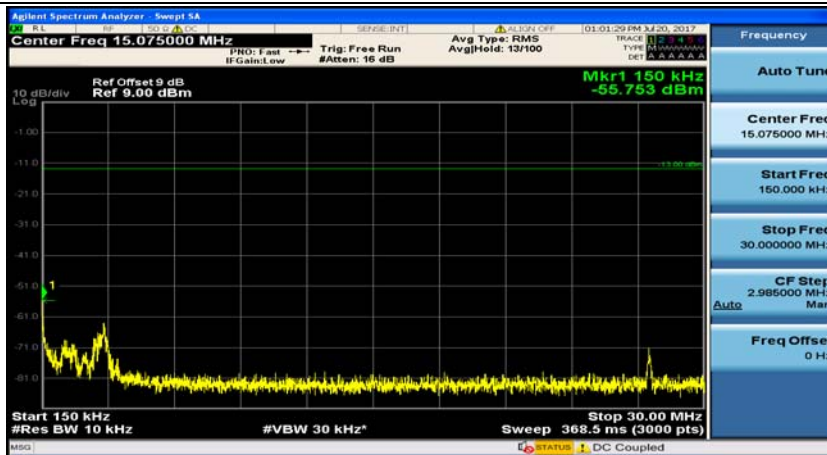
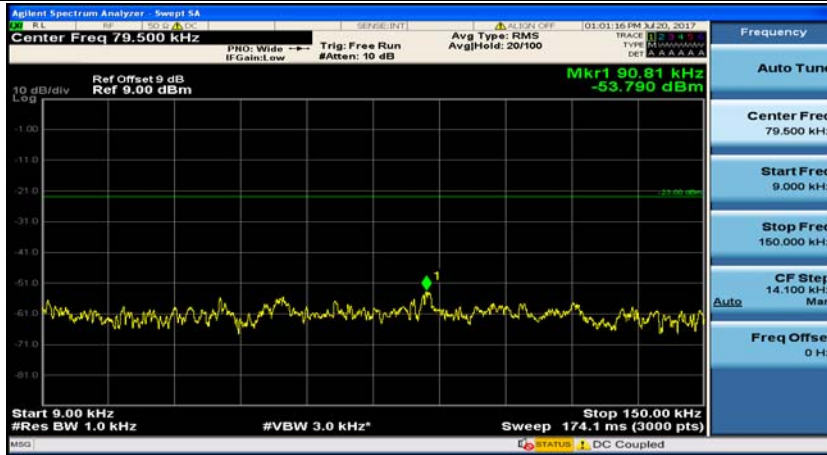
Channel Bandwidth: 15 MHz



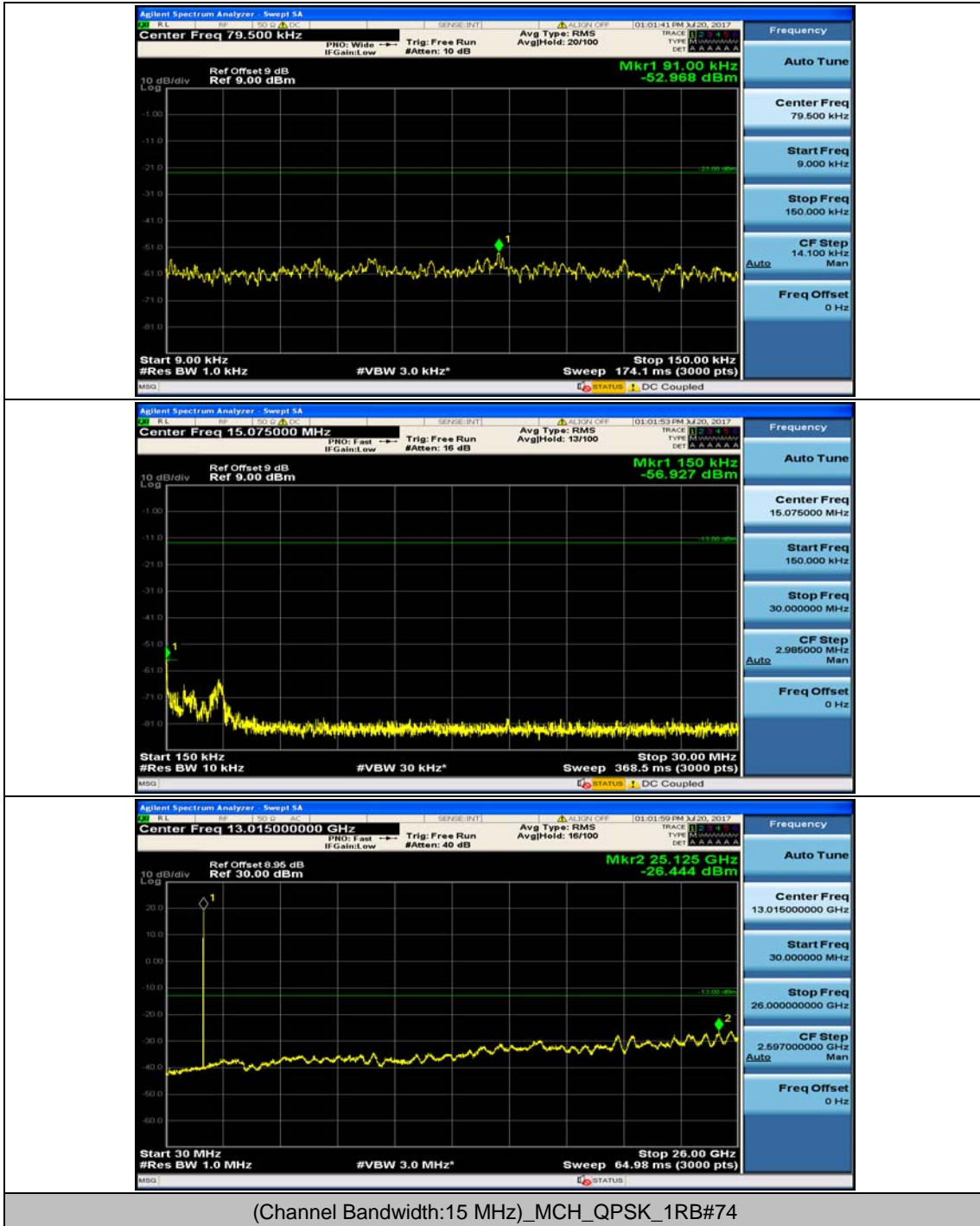


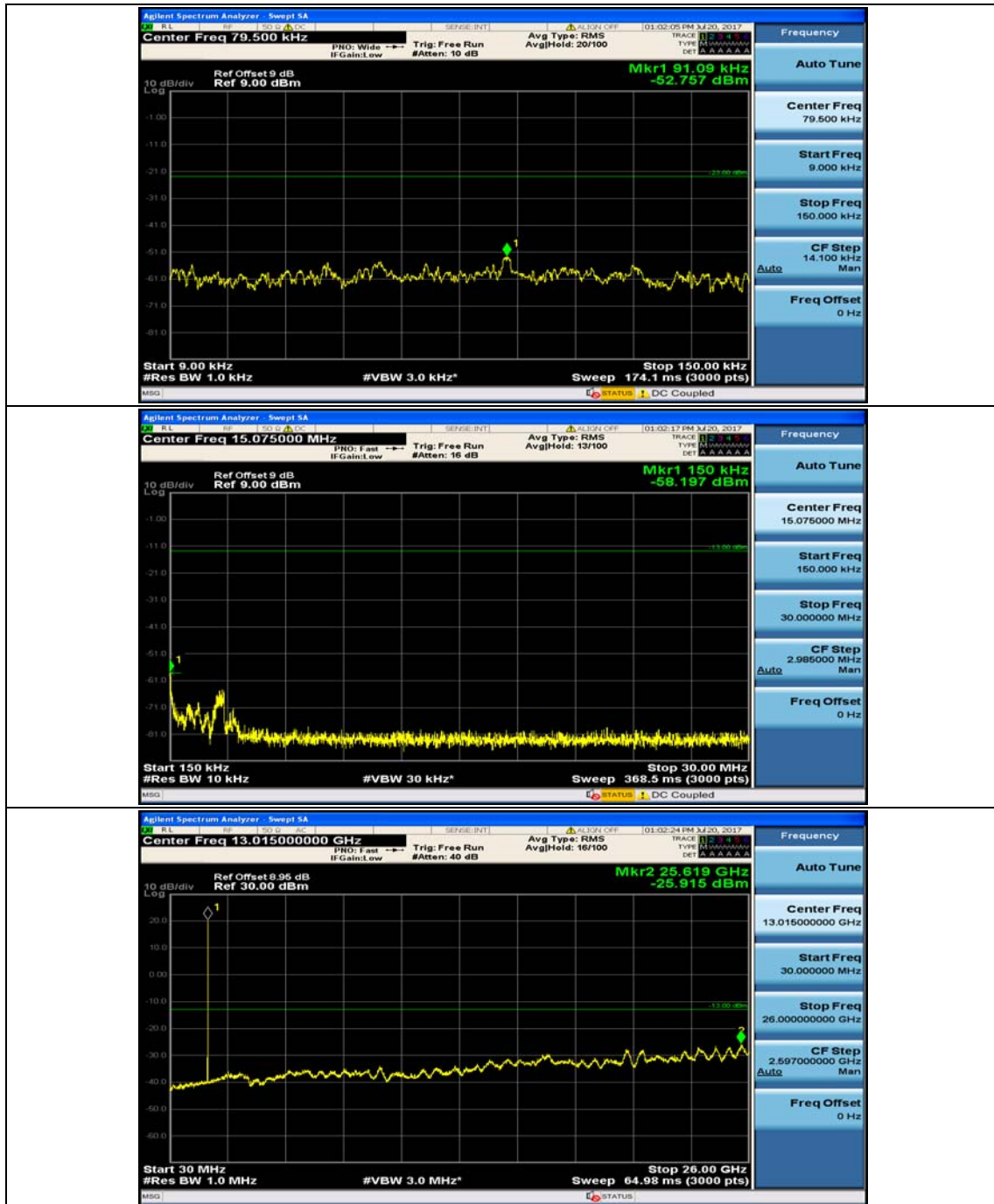


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

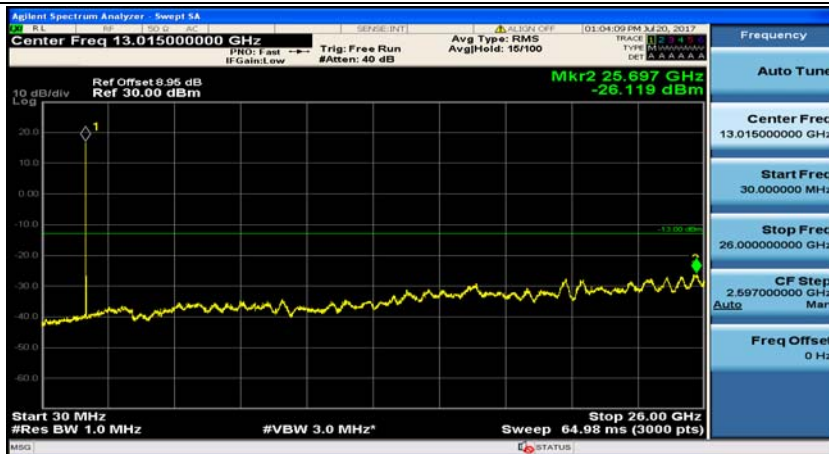
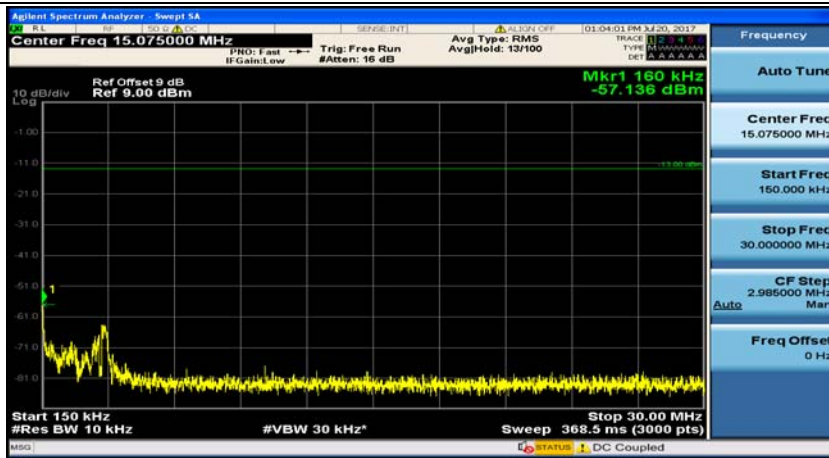
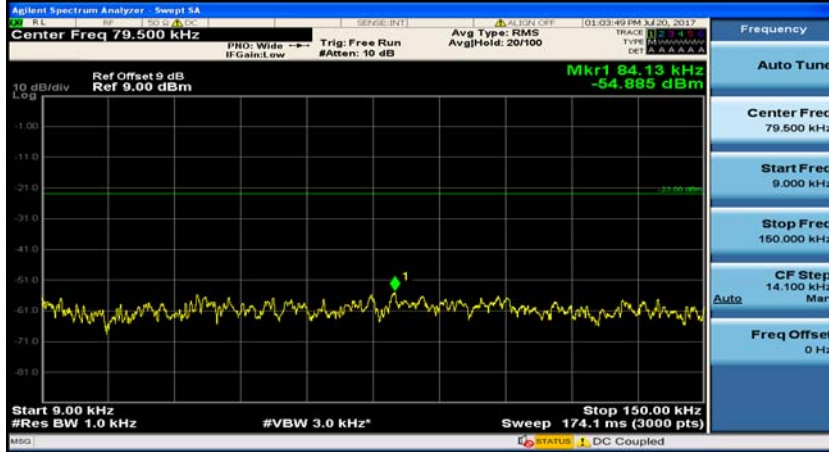


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

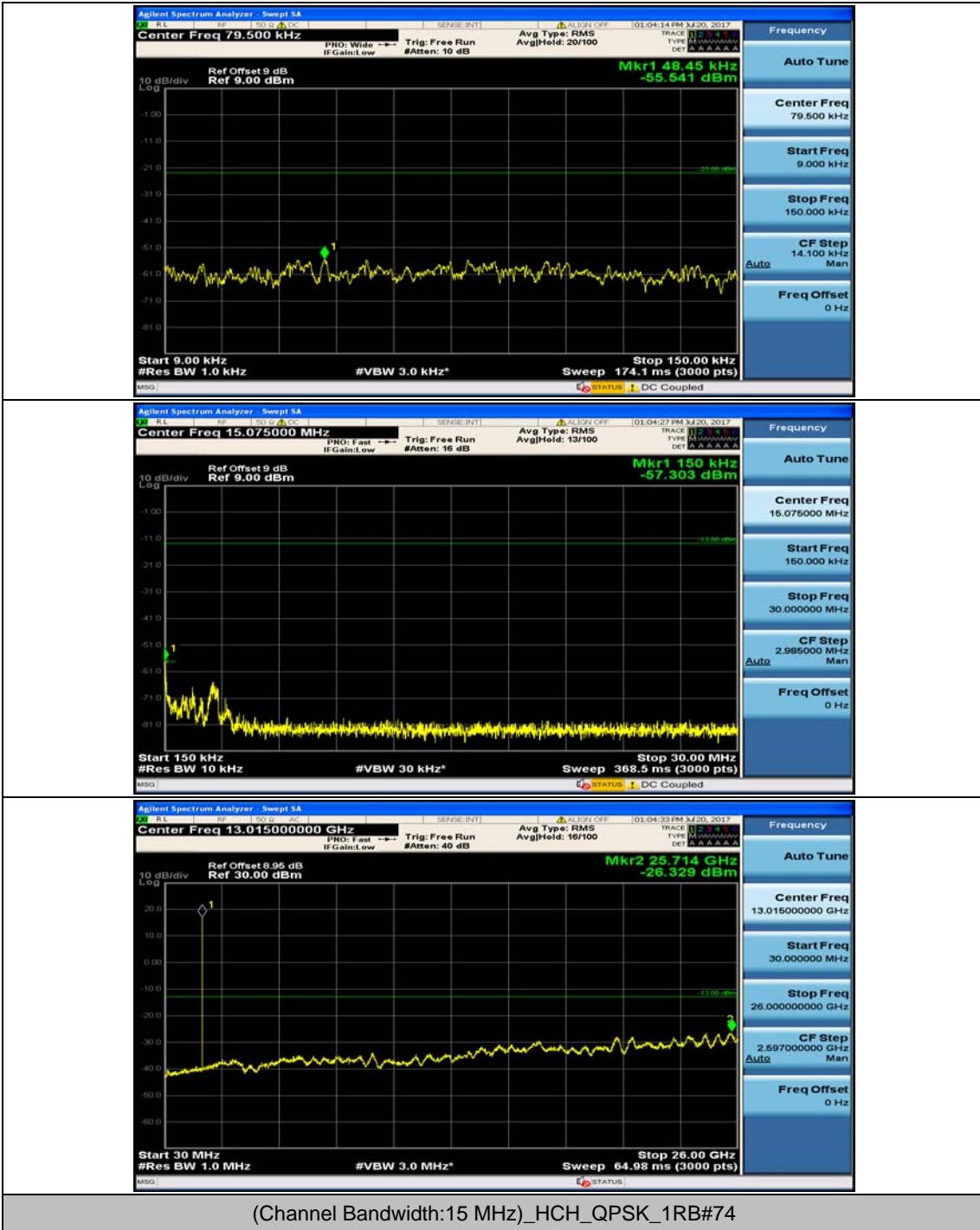


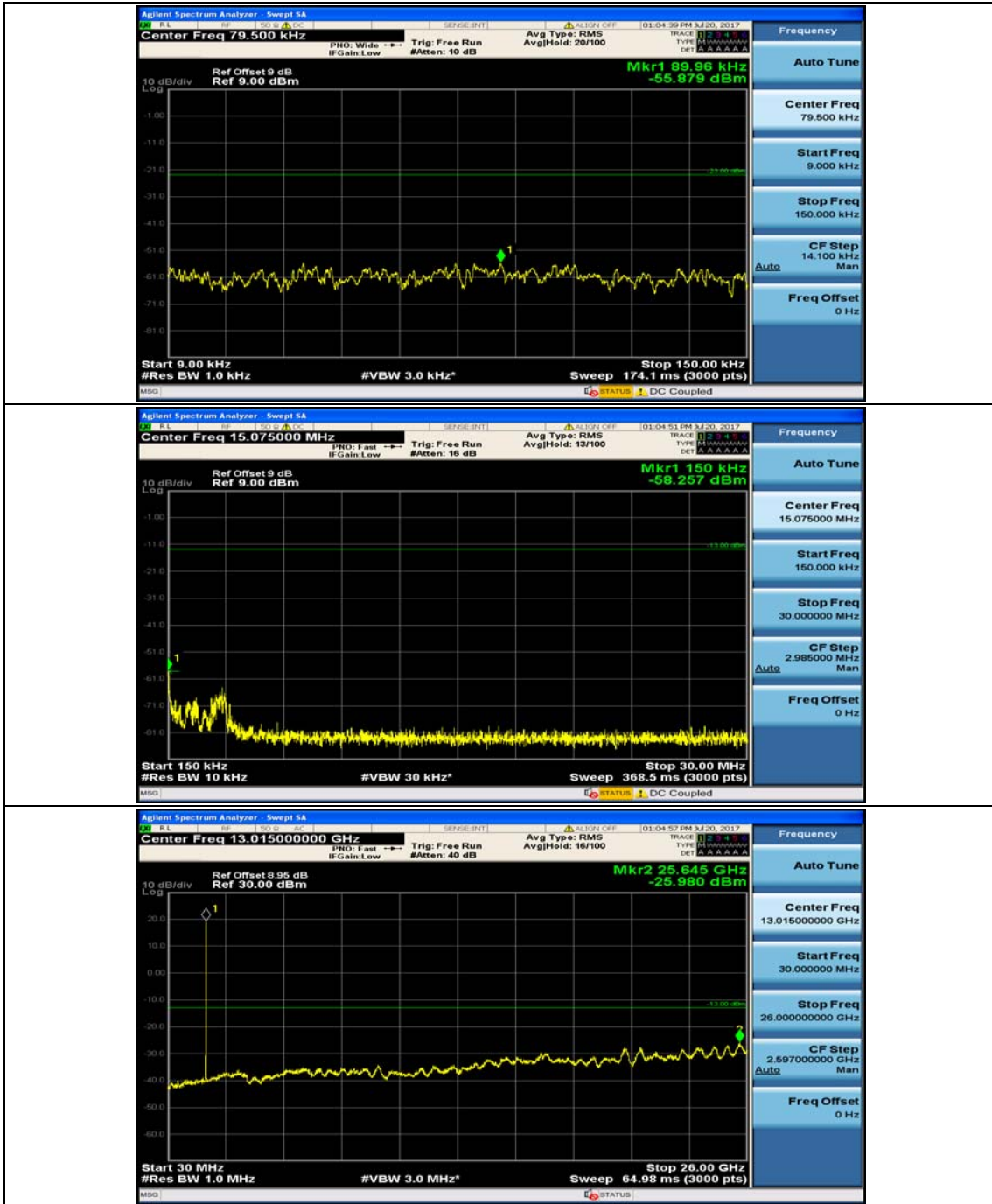


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

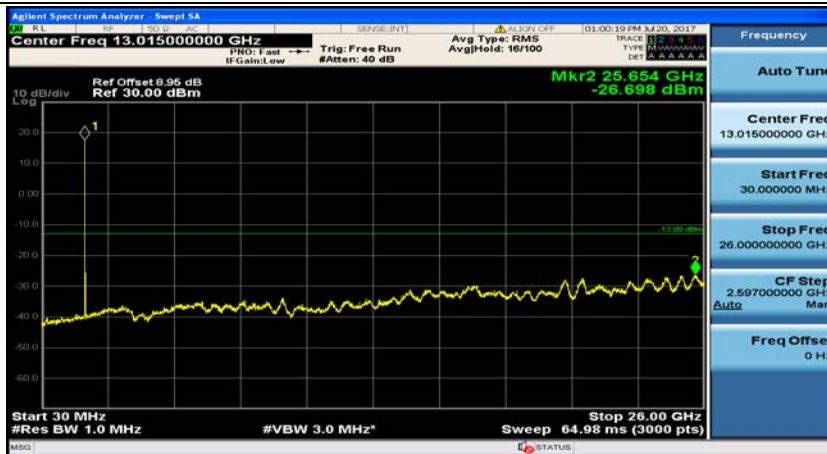
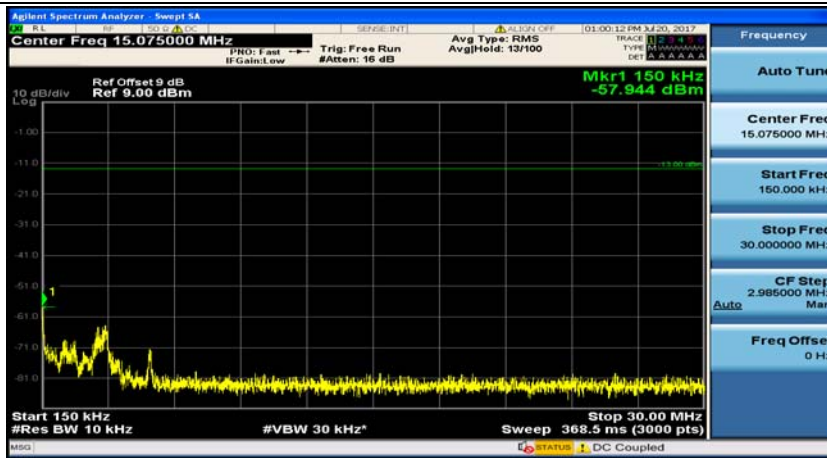


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

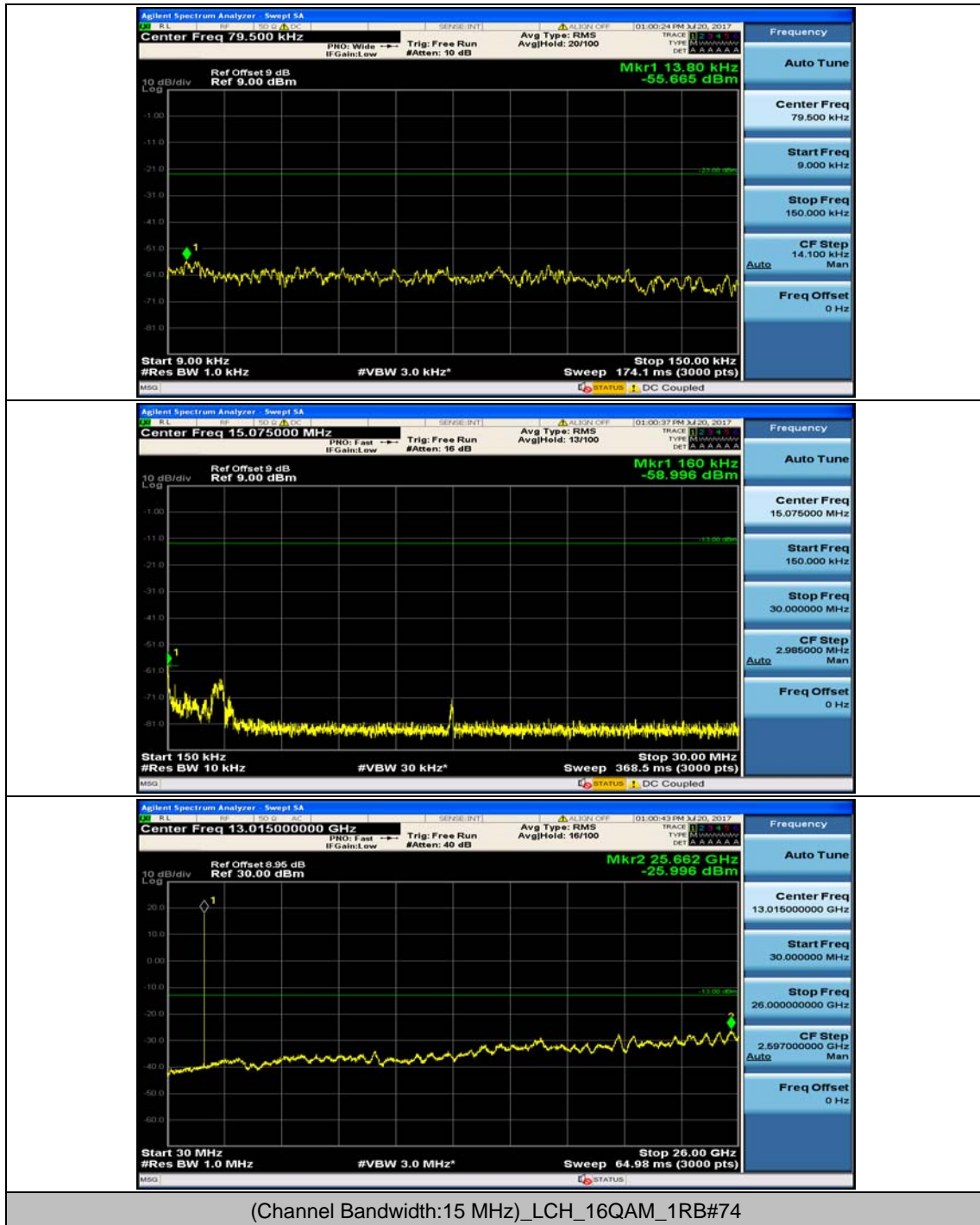


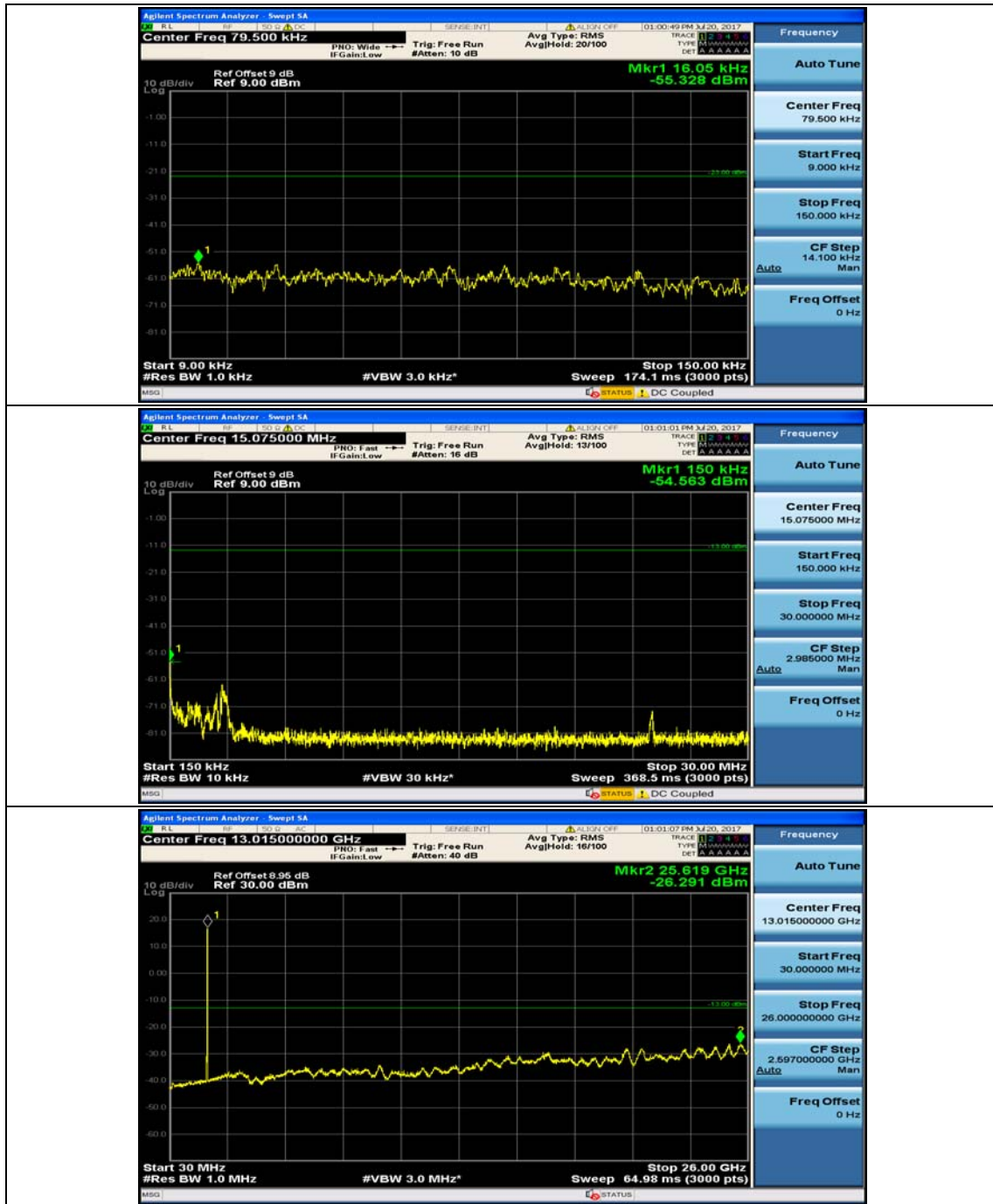


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

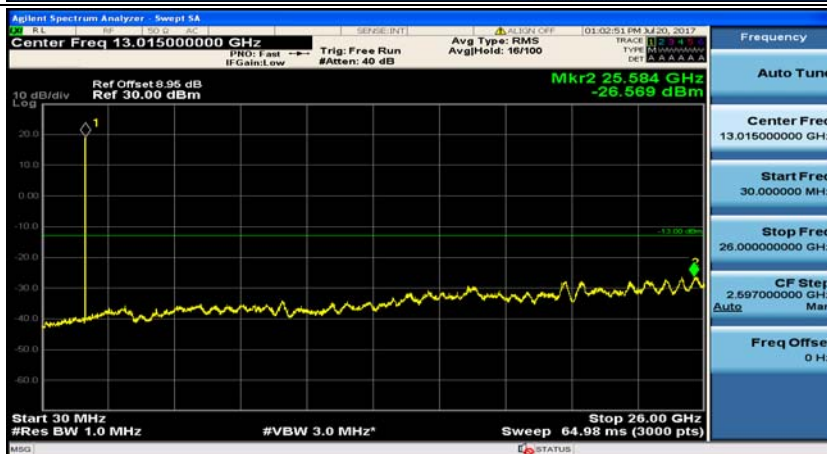
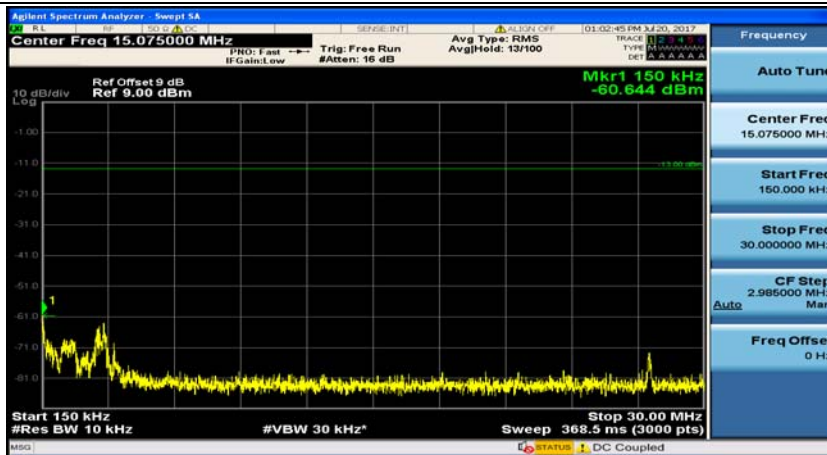


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

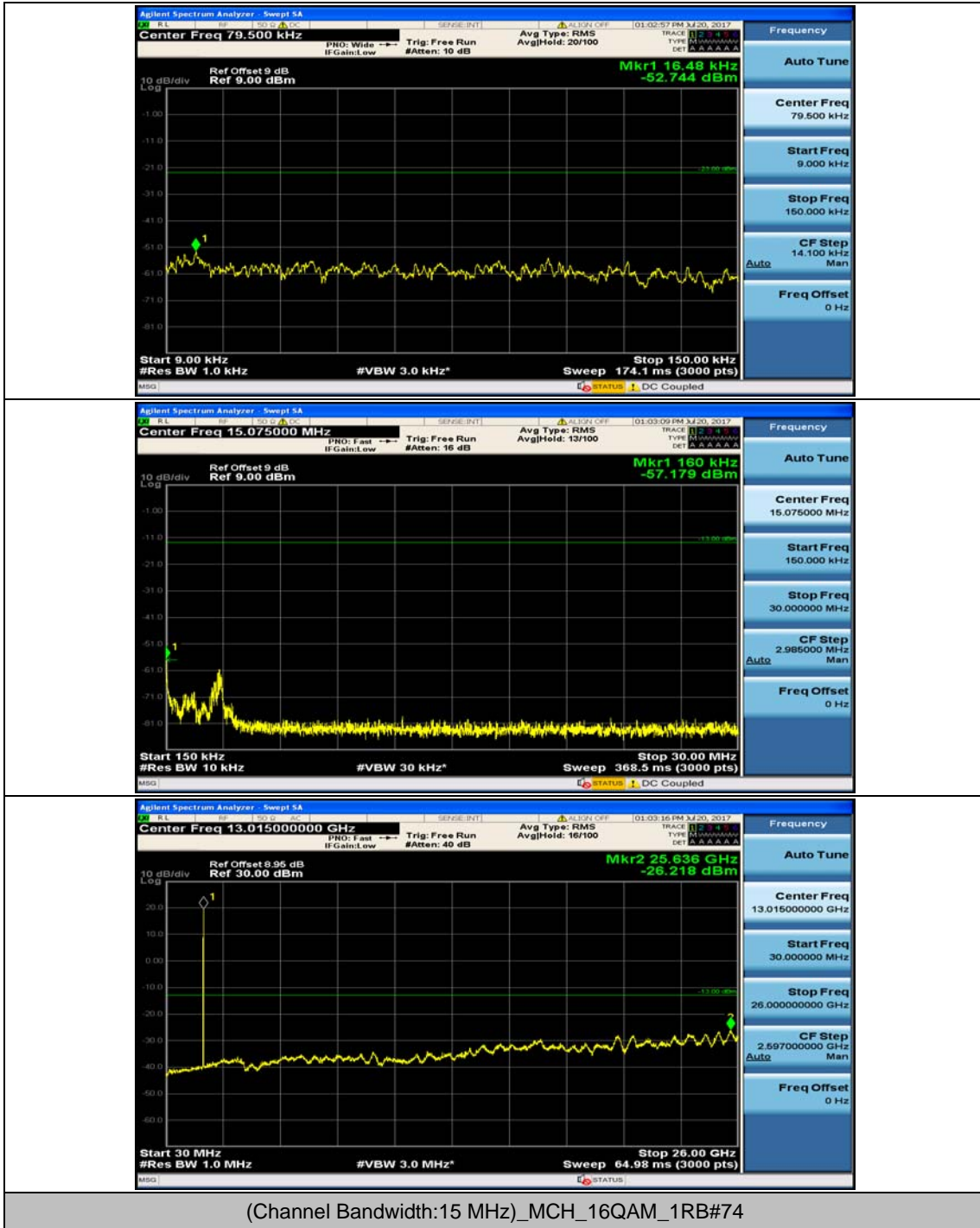


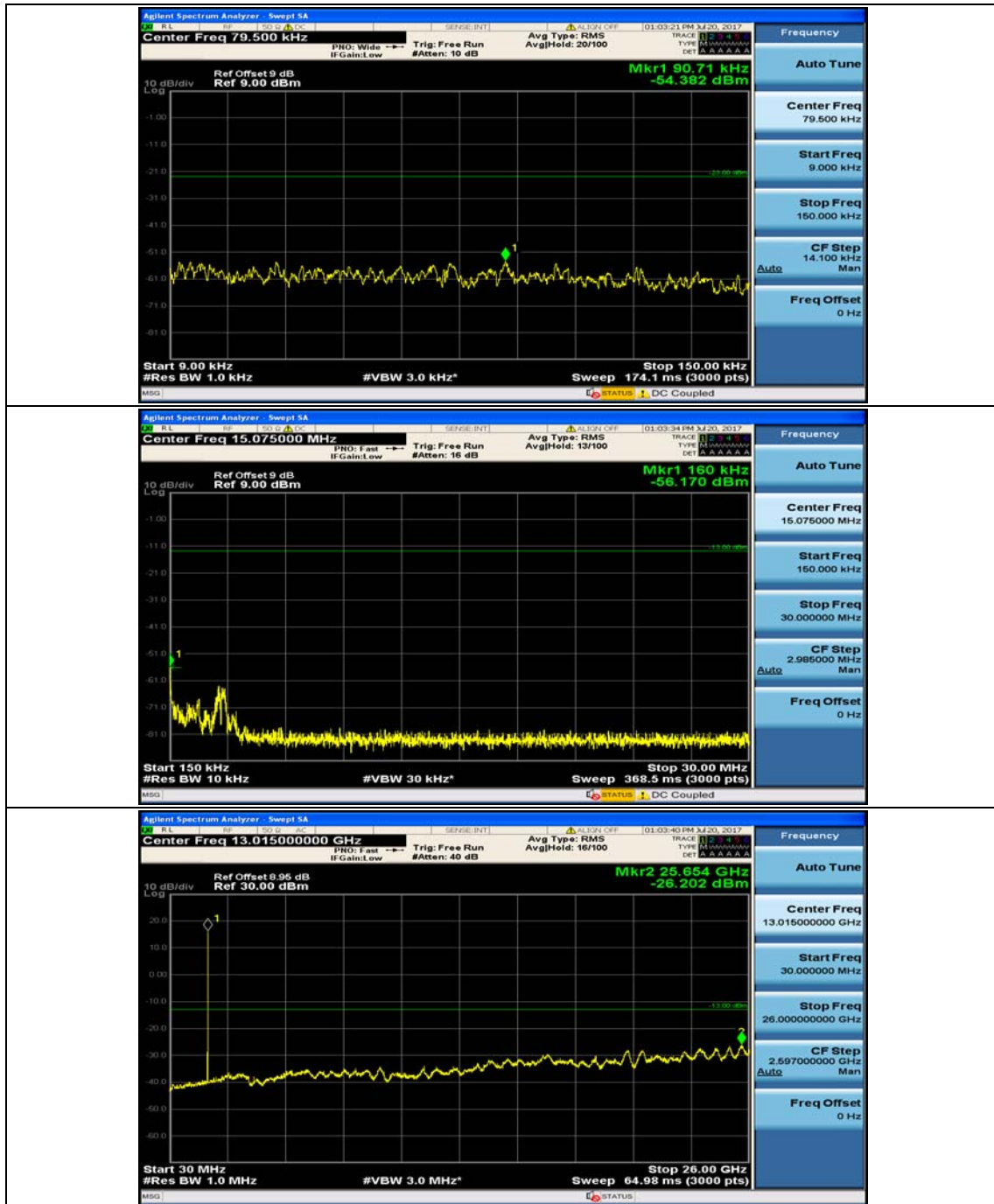


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

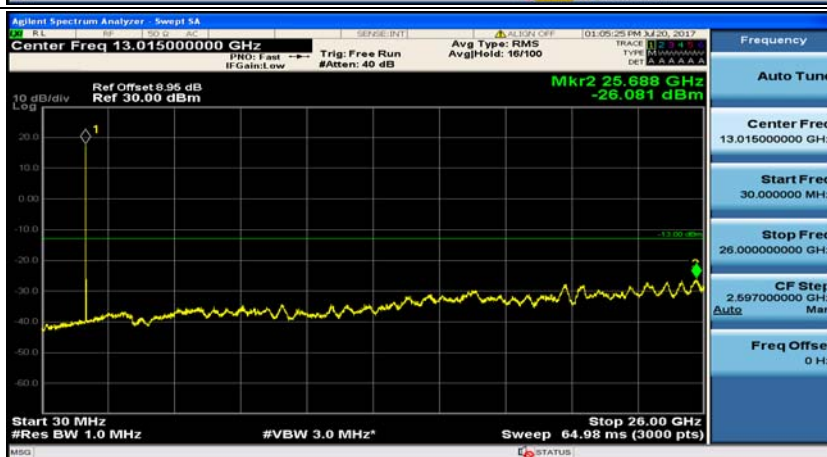
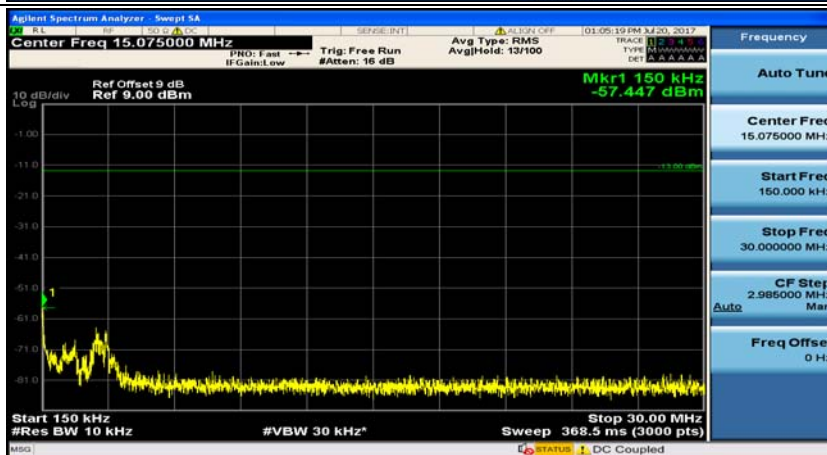
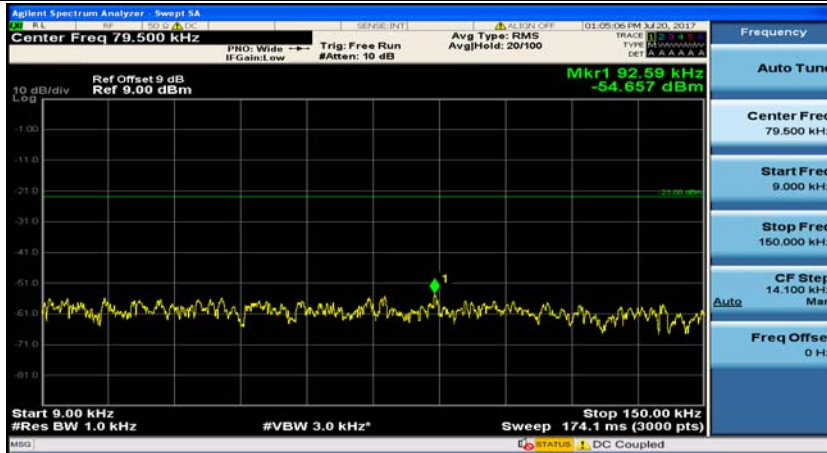


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

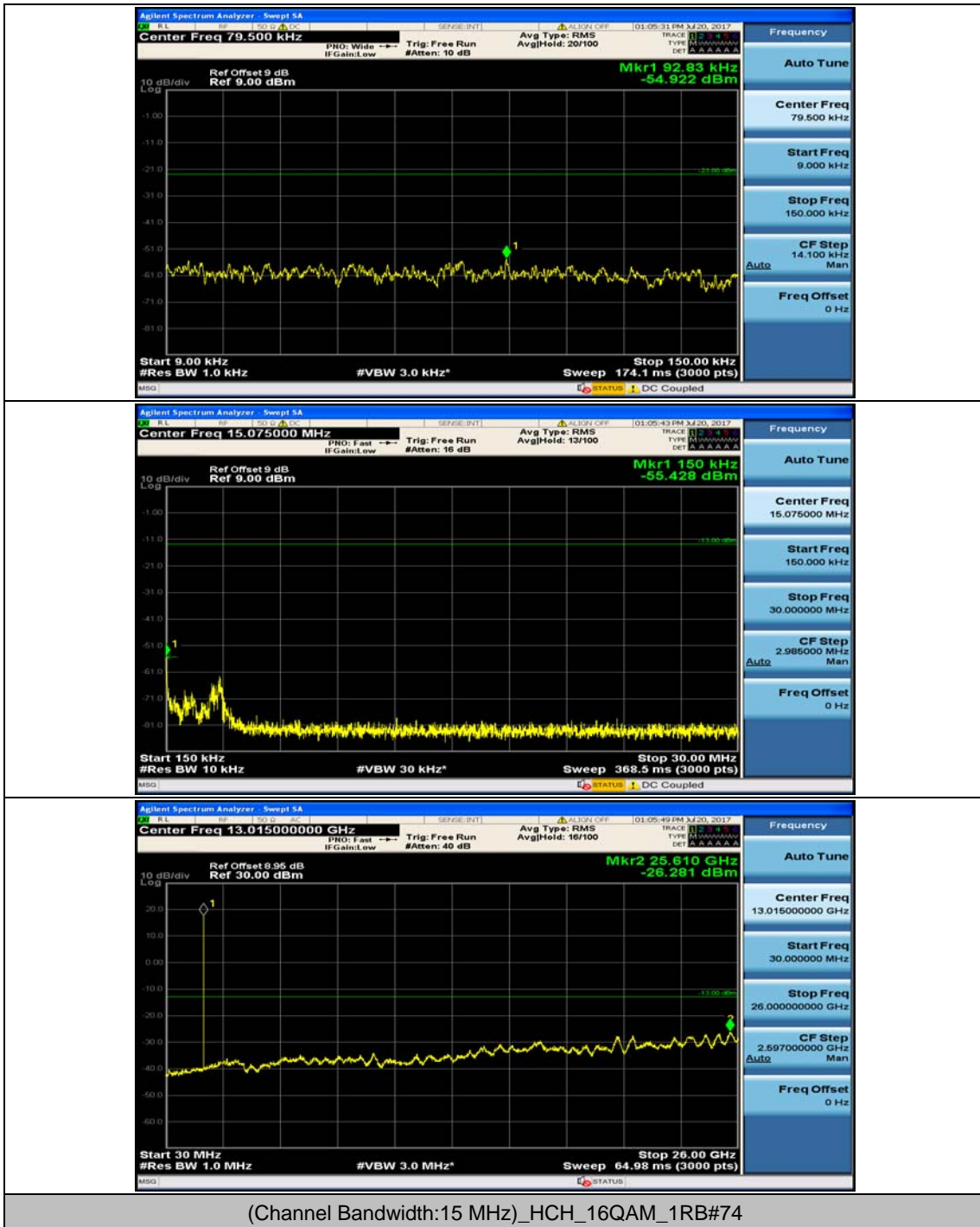


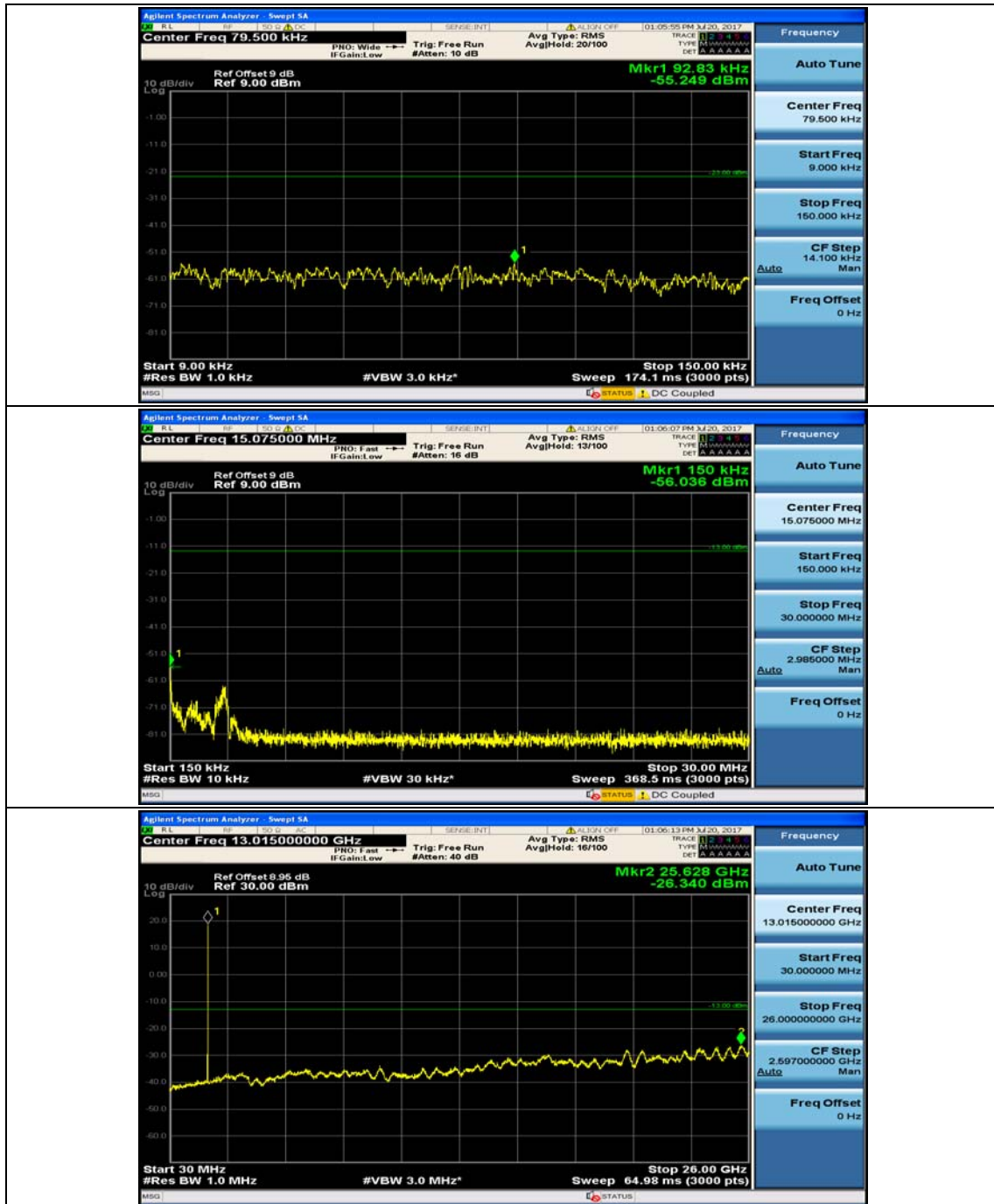


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

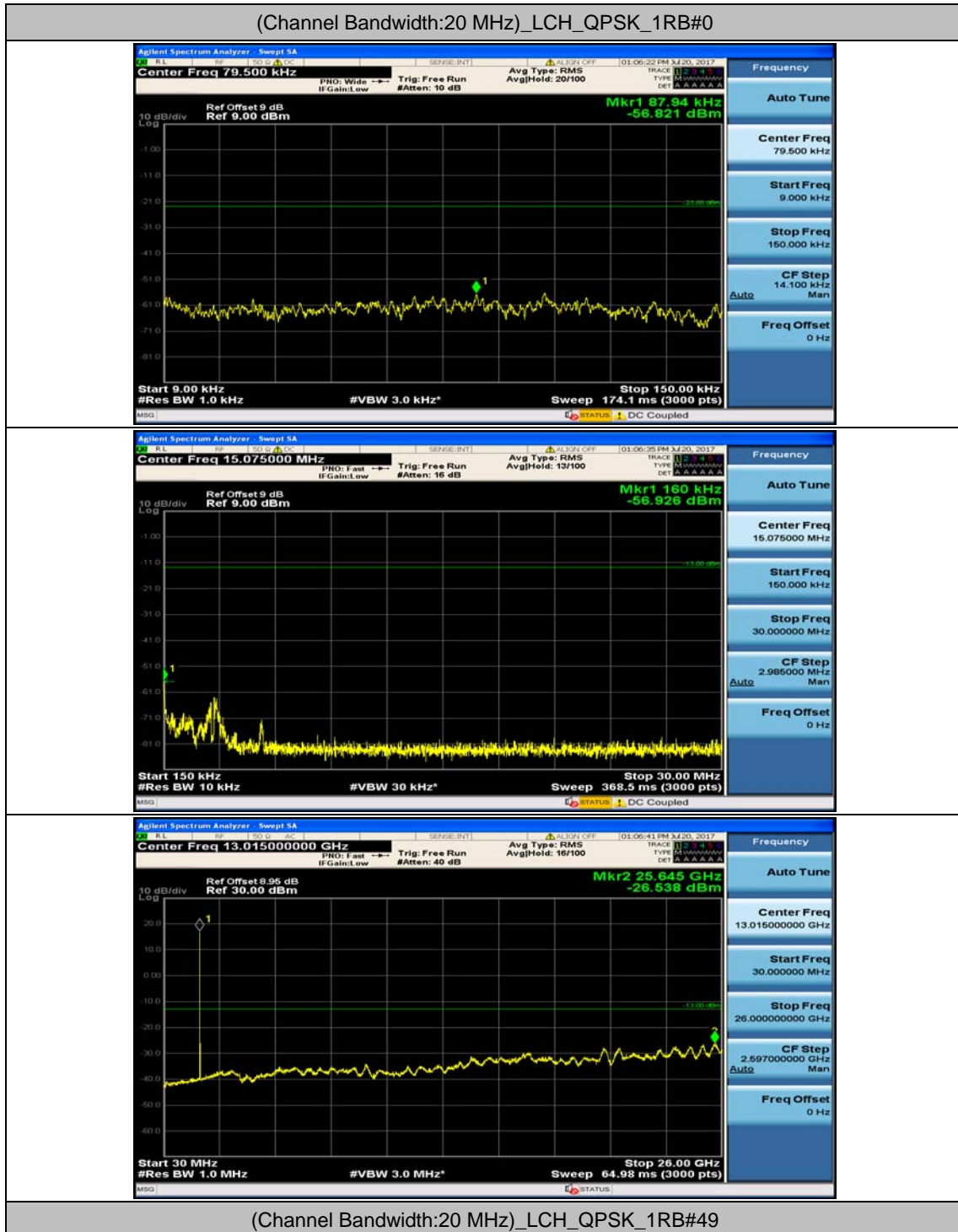


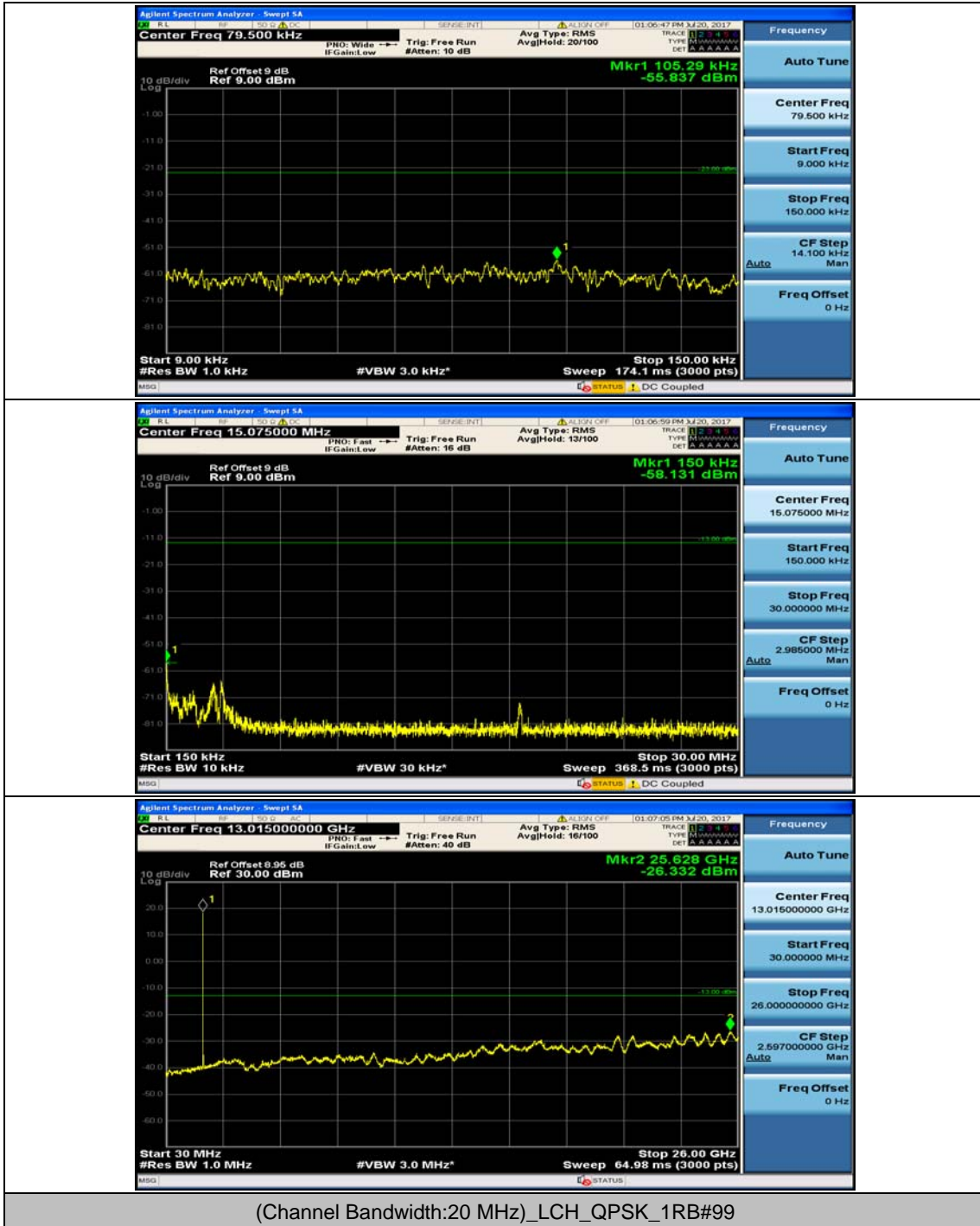
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

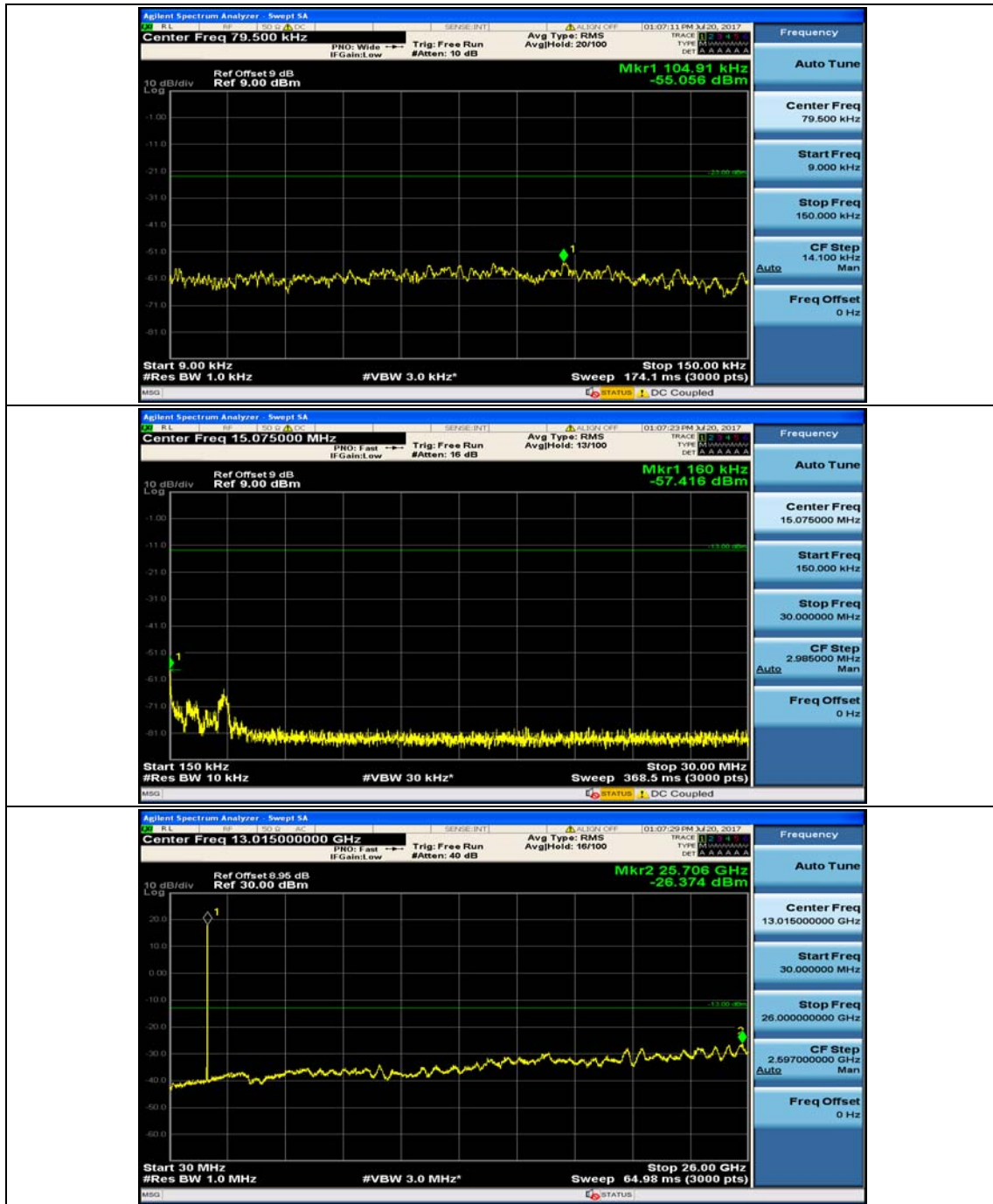




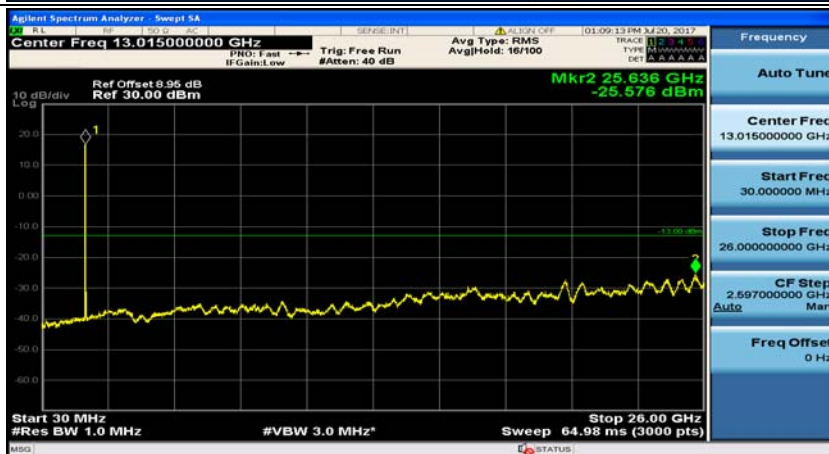
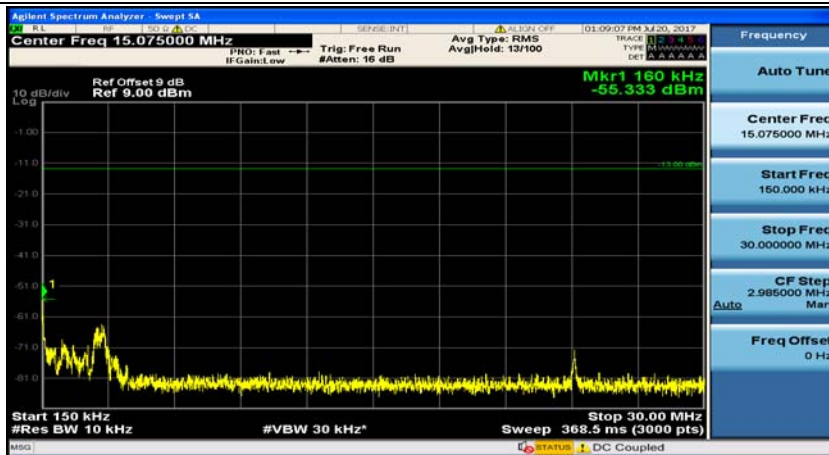
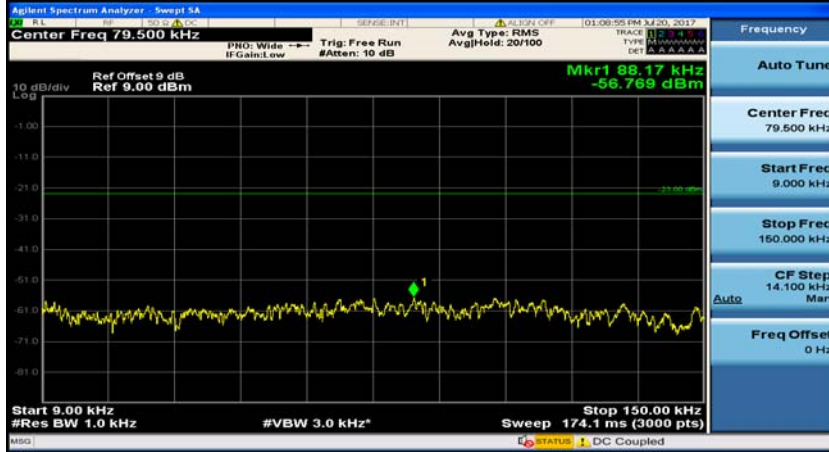
Channel Bandwidth: 20 MHz



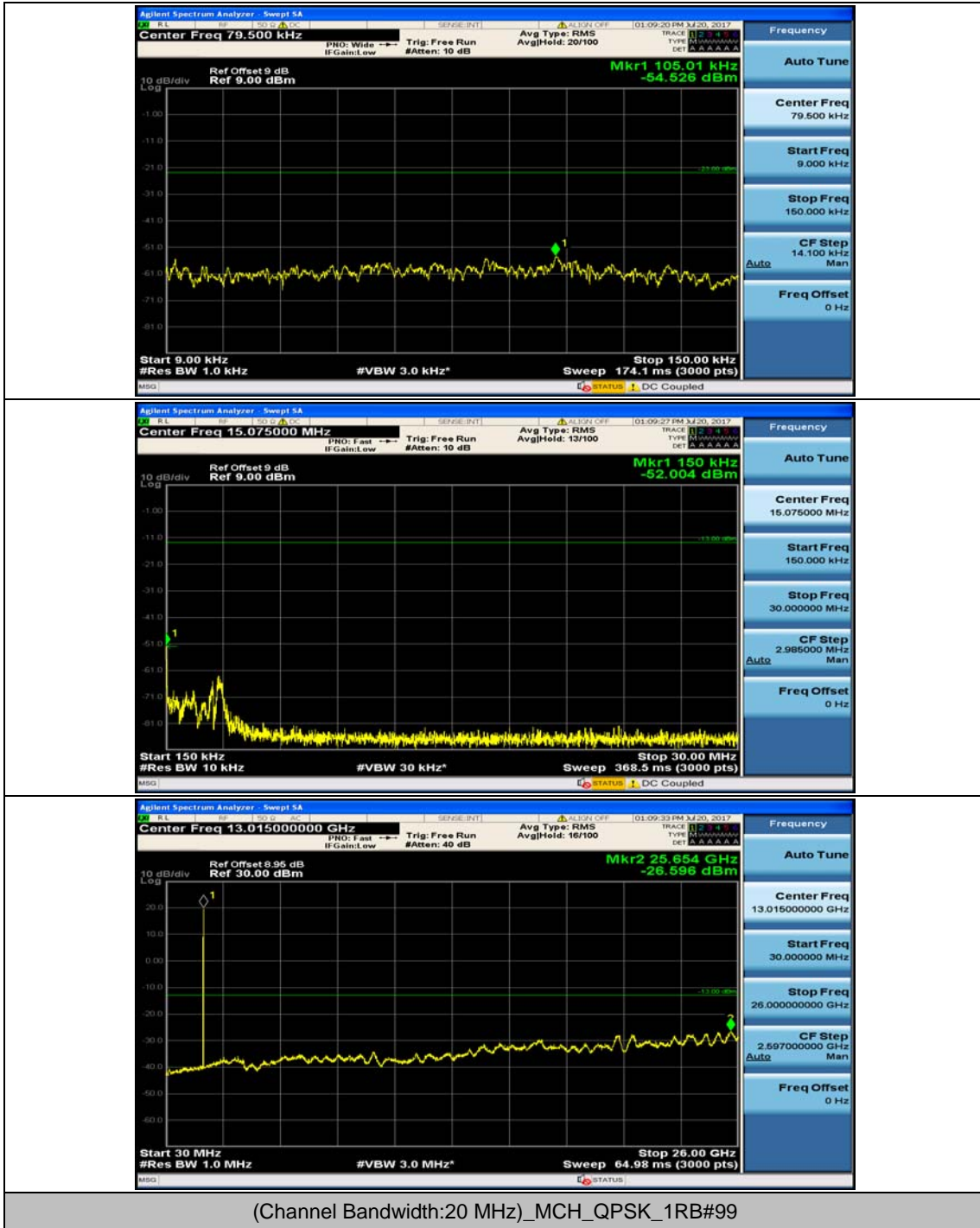


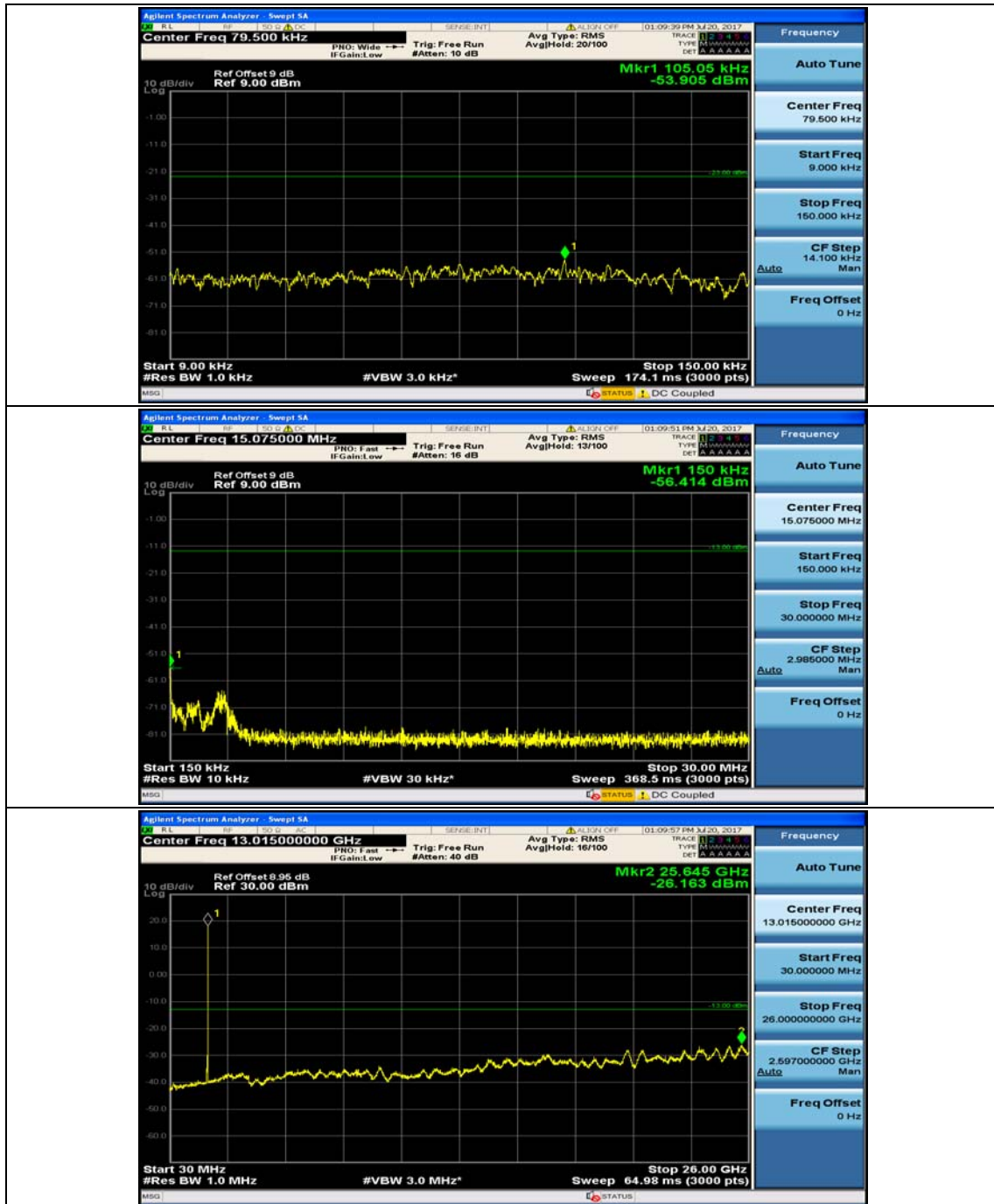


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

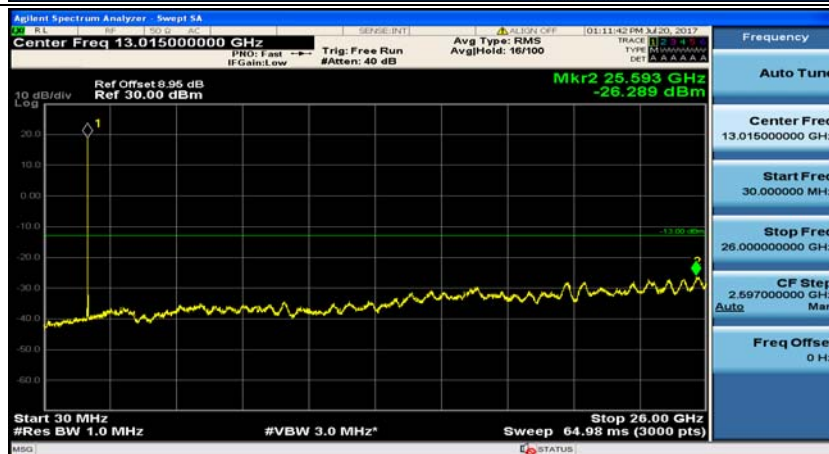
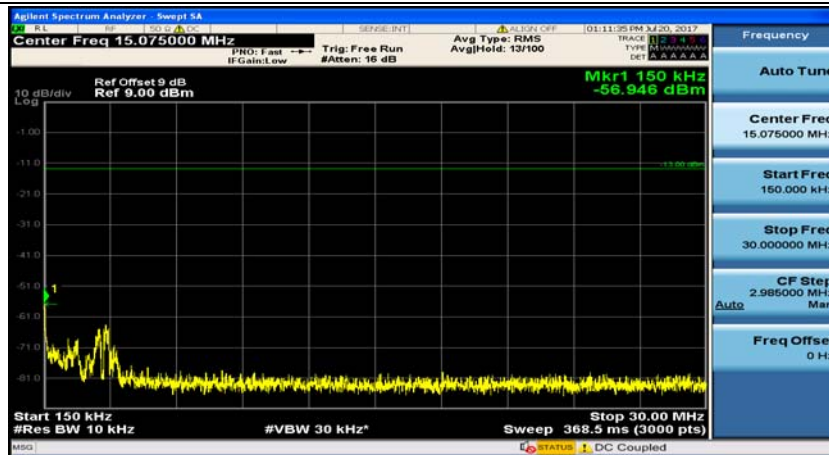
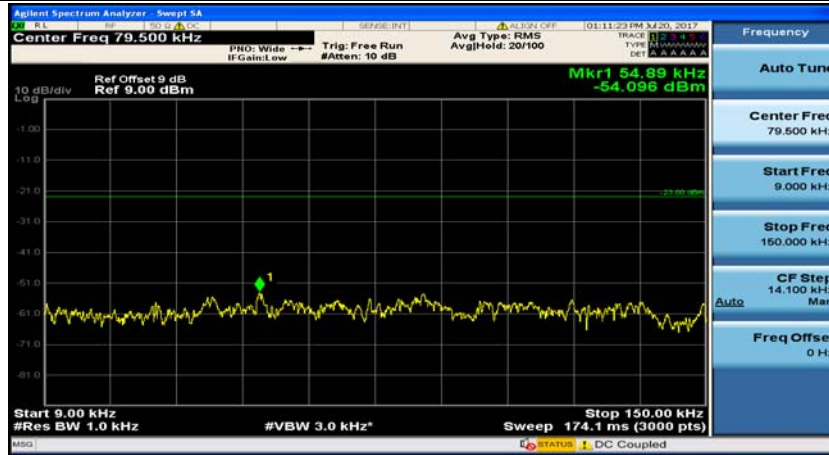


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

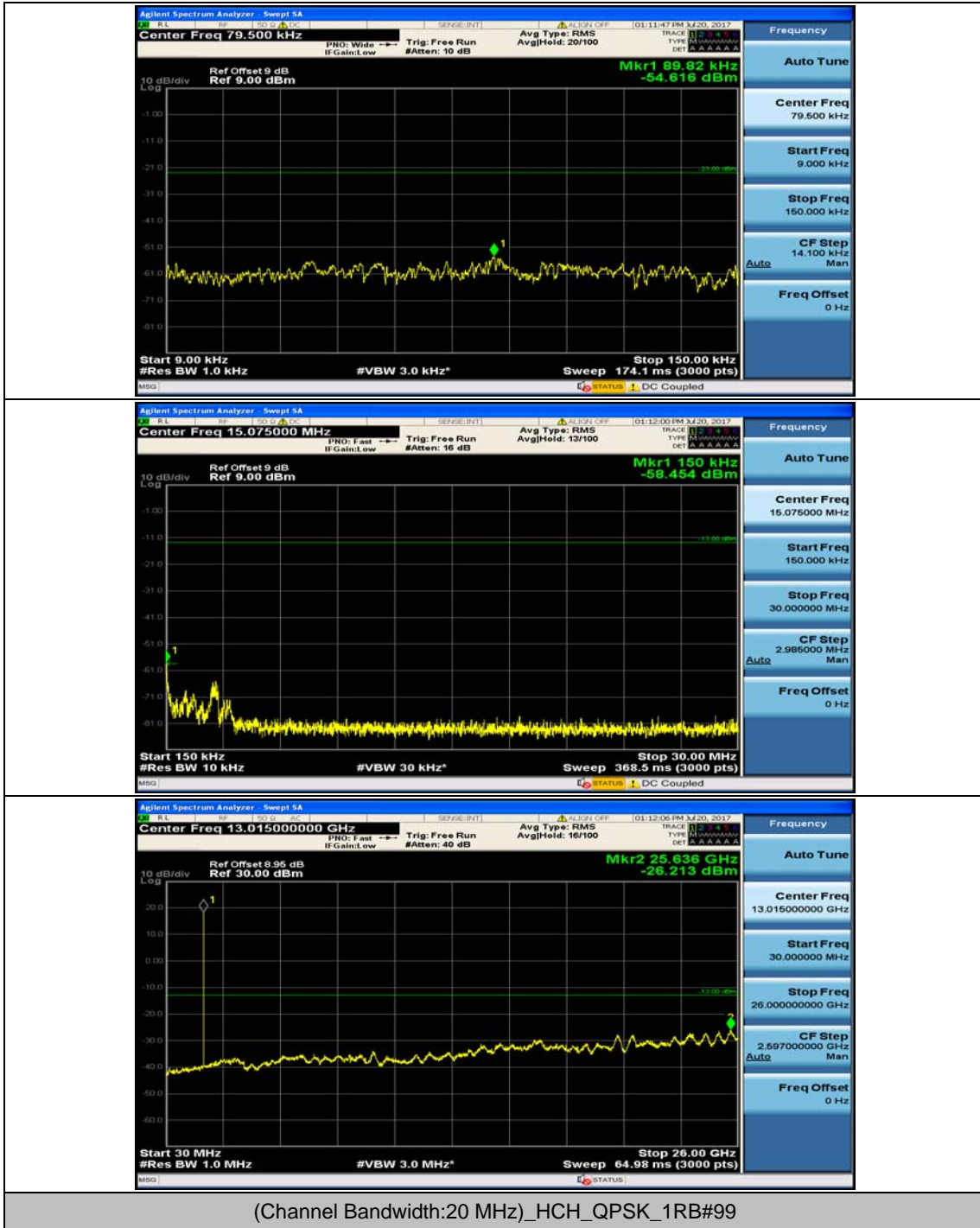


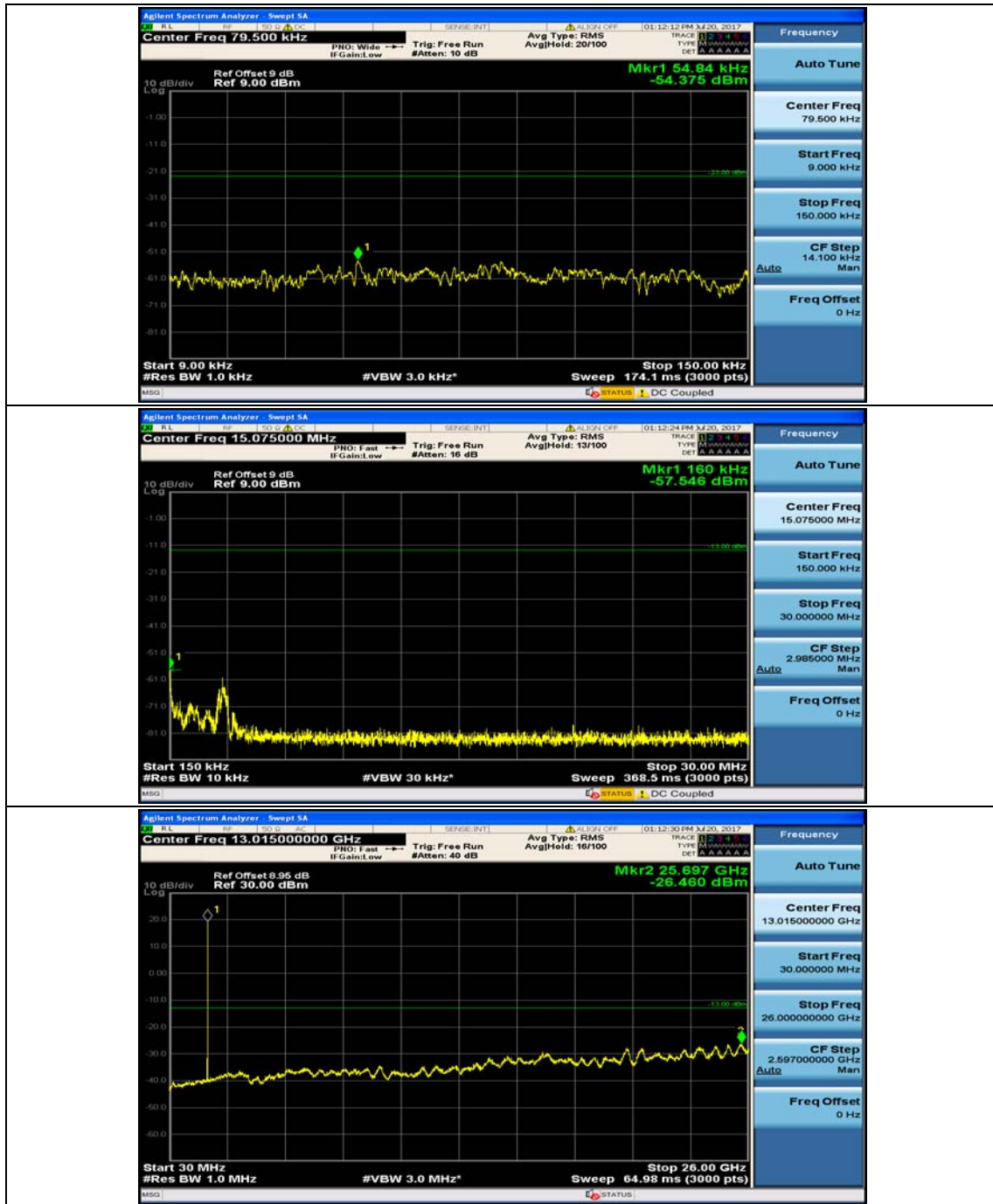


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

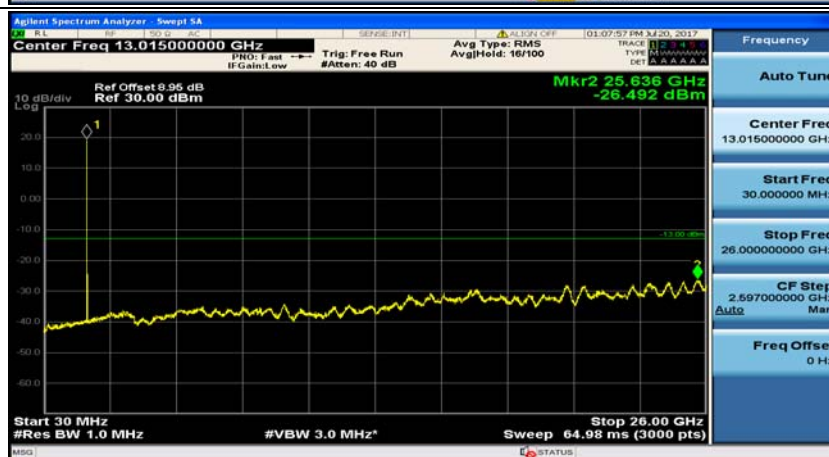
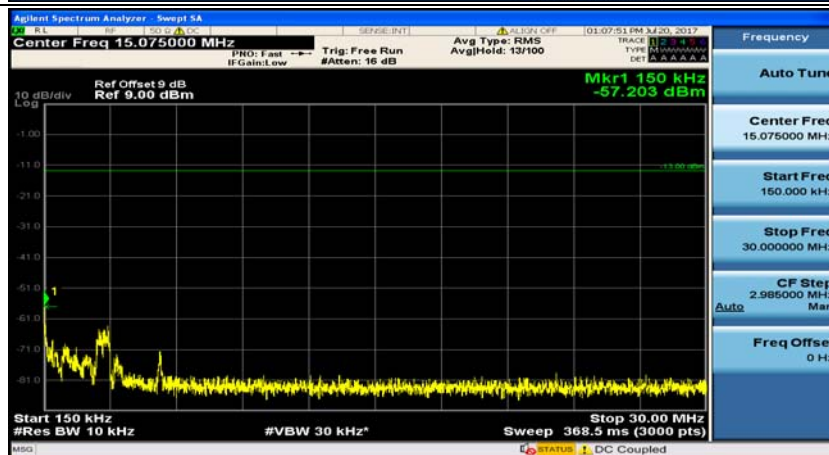


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

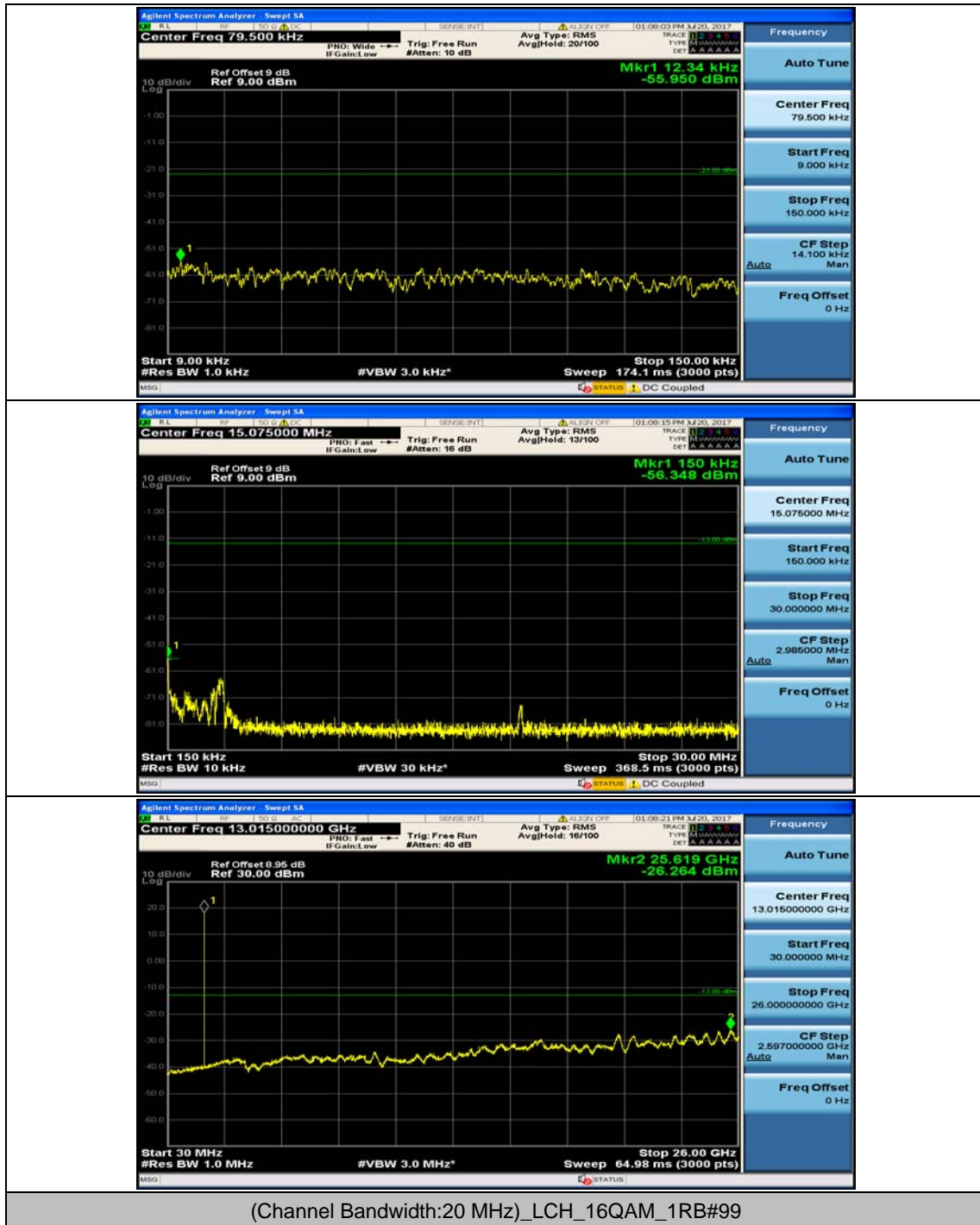


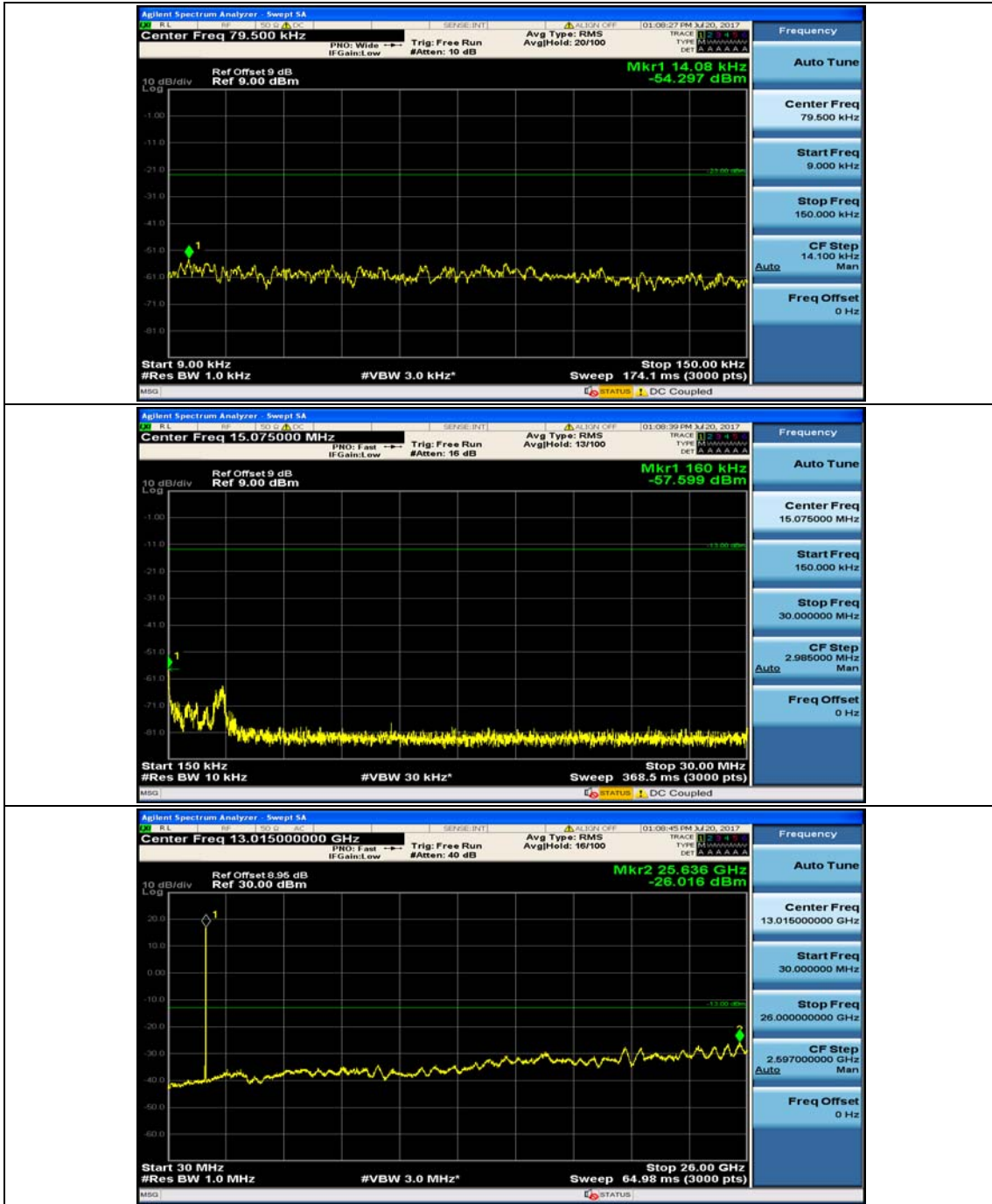


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

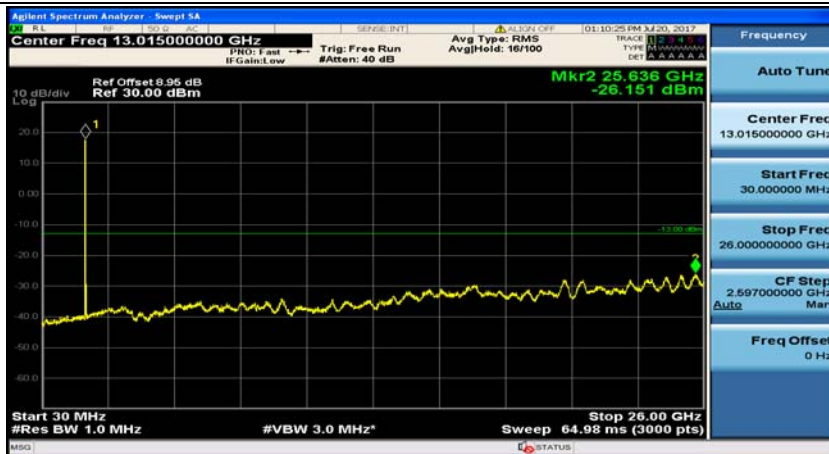
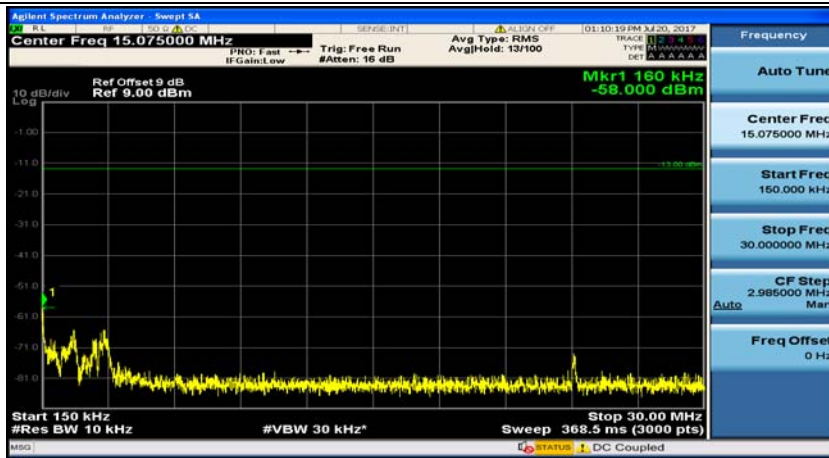
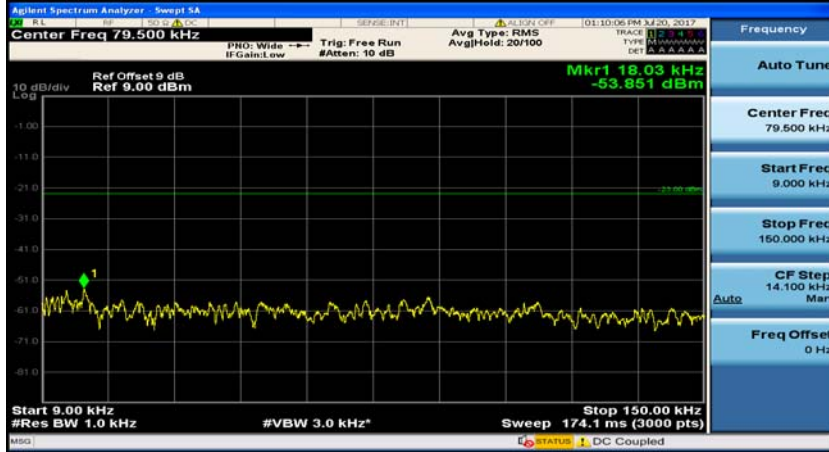


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

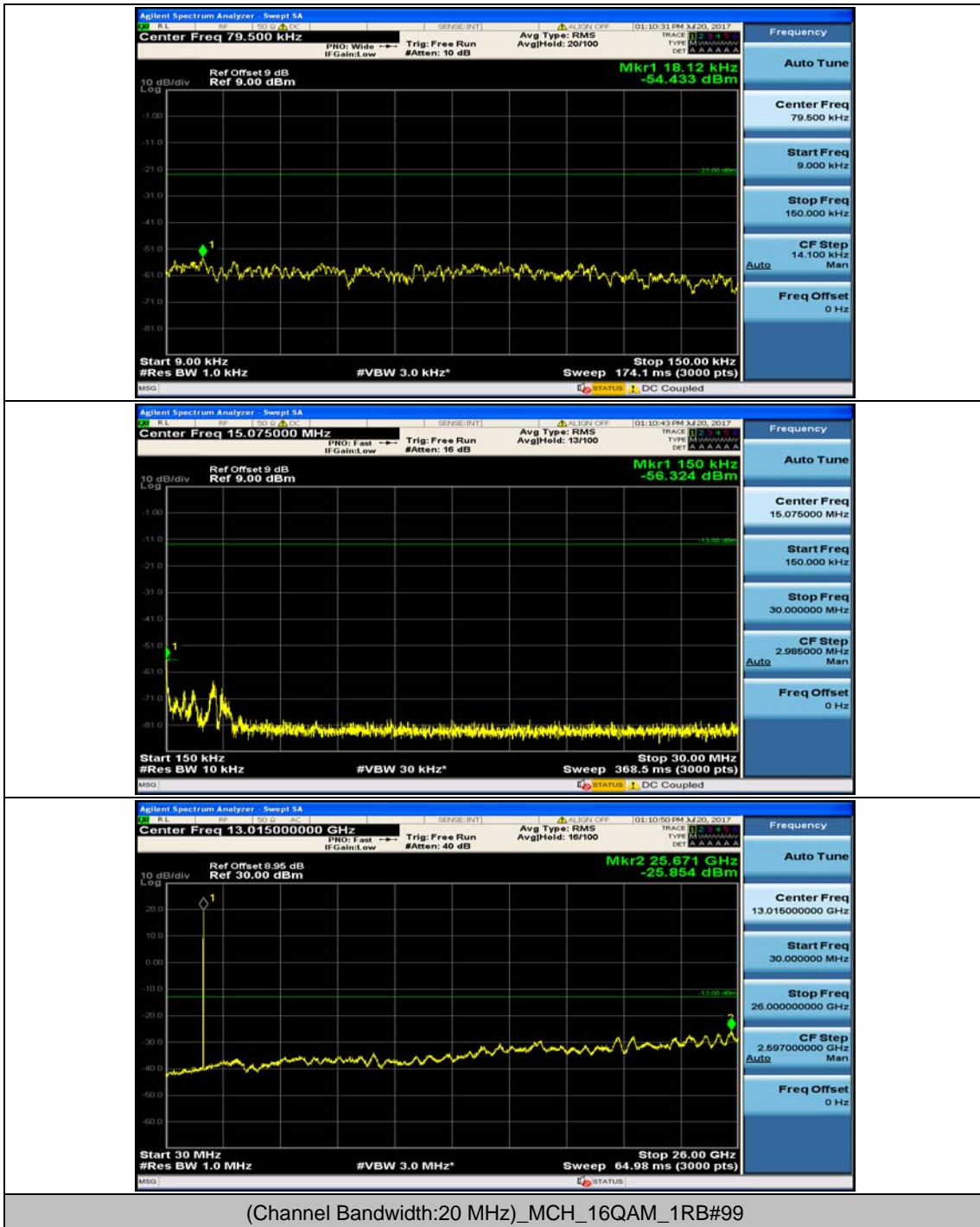


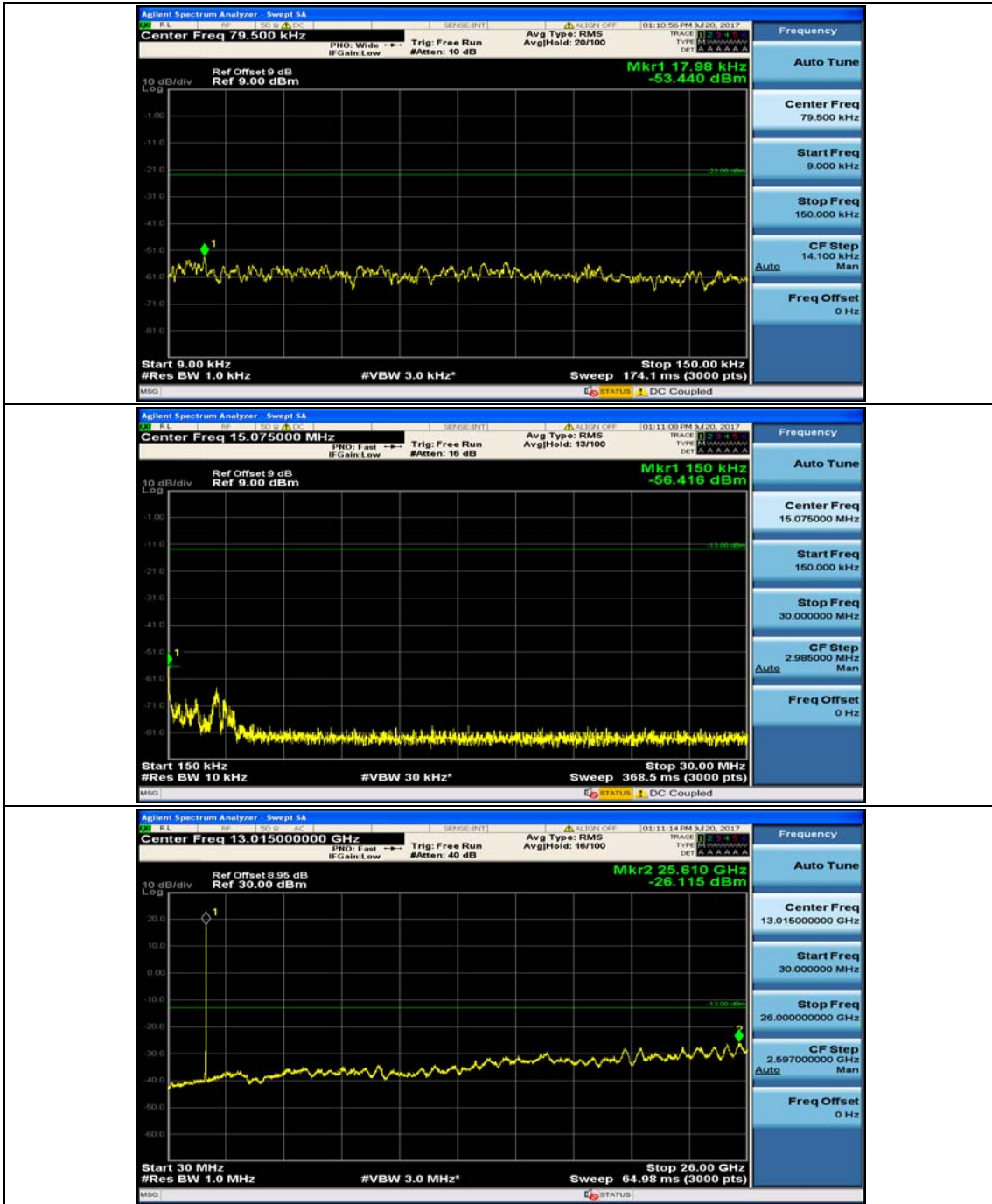


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

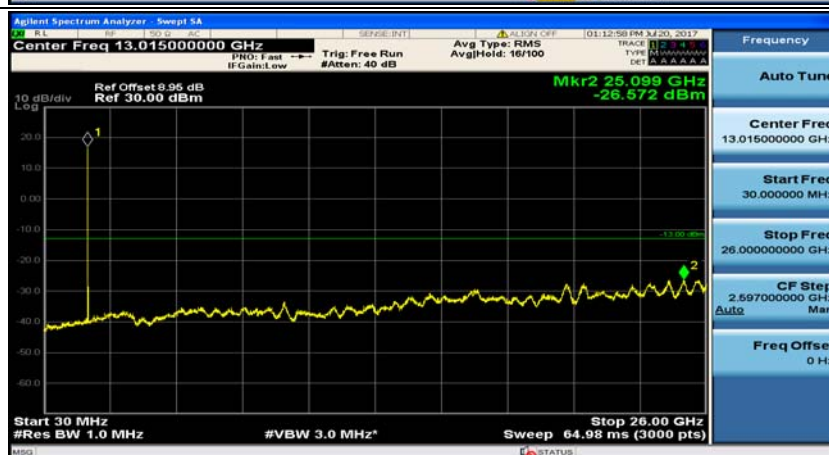
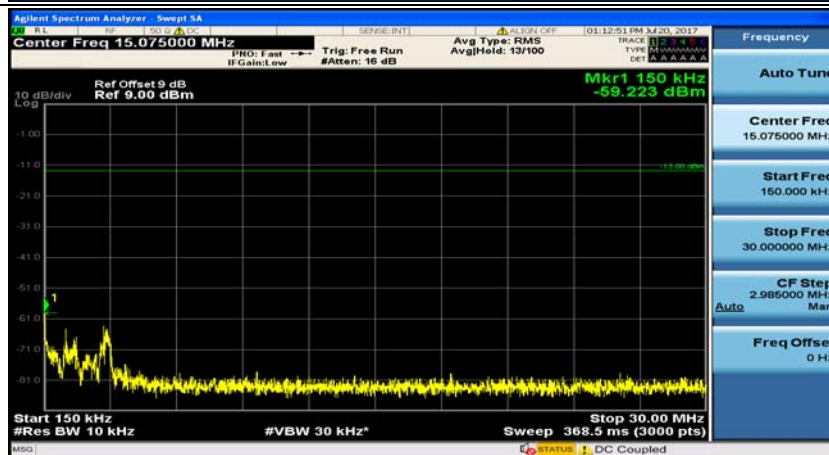
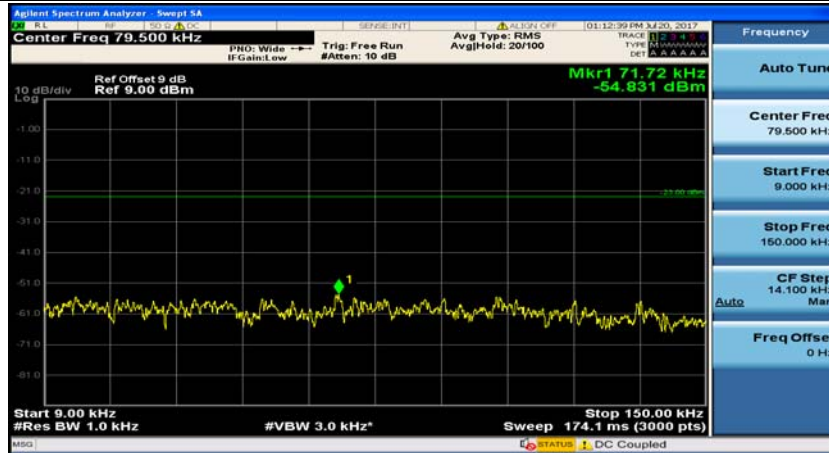


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

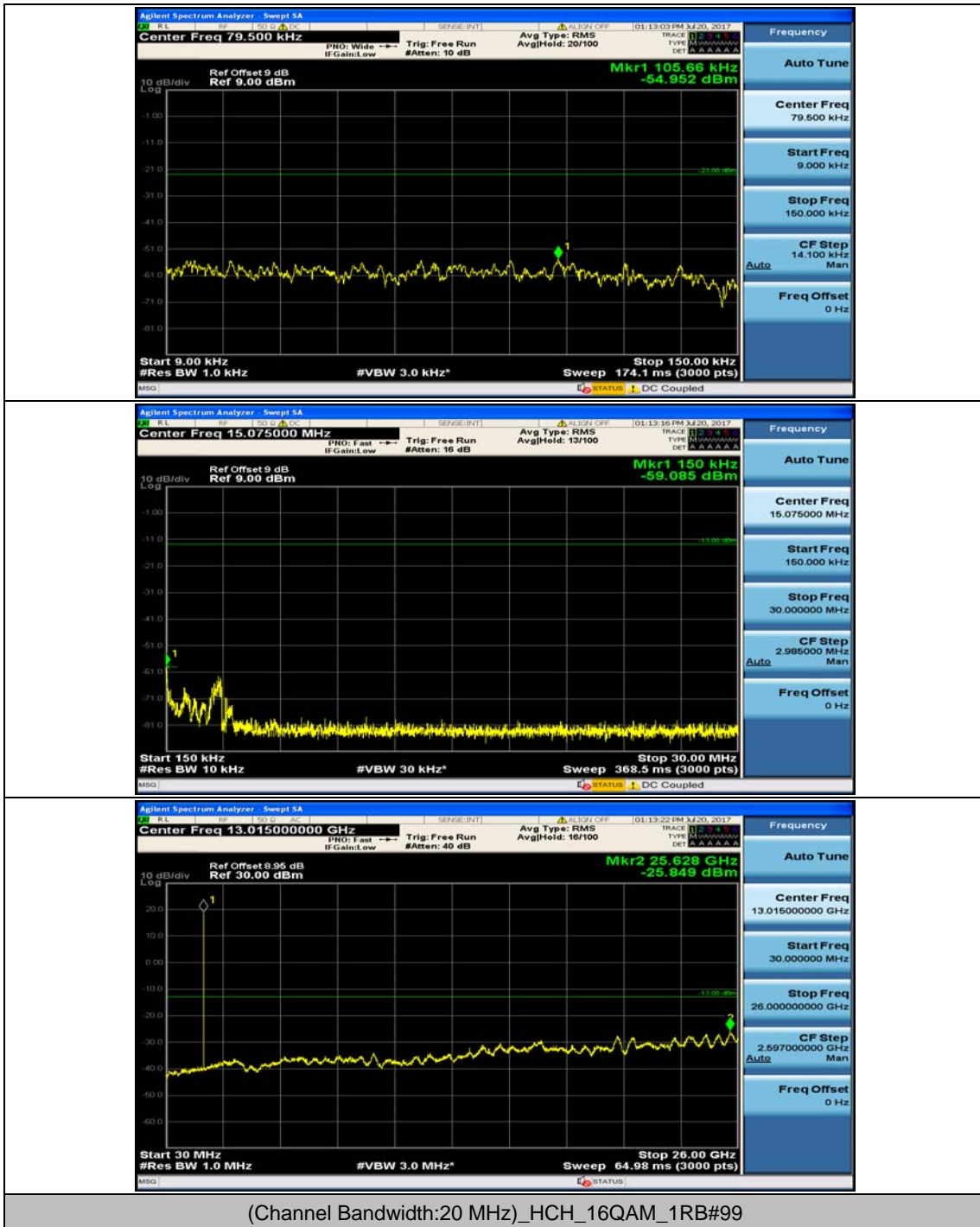


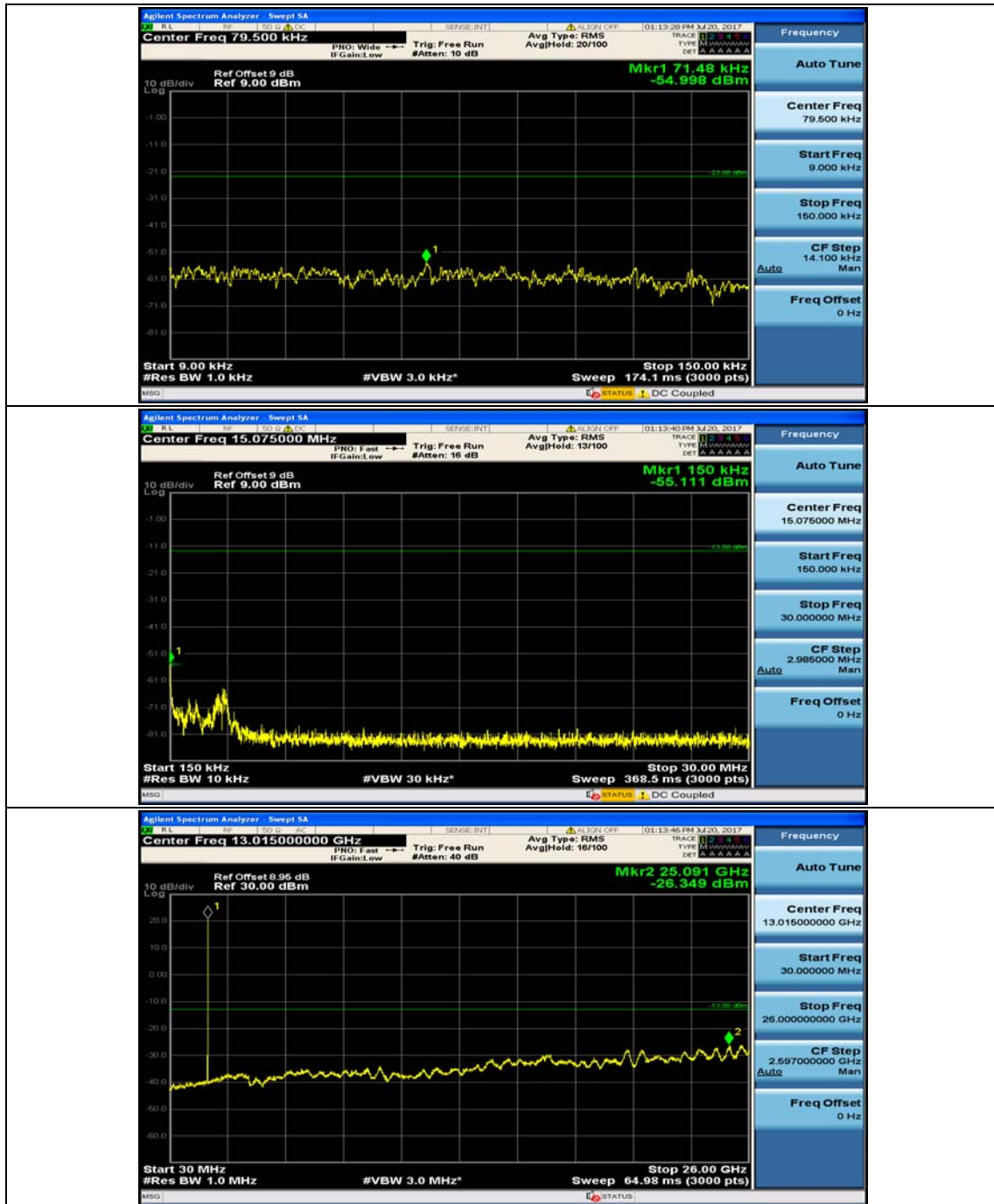


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	2.14	0.001244	± 2.5	PASS
		VN	TN	-0.83	-0.000483	± 2.5	PASS
		VH	TN	3.93	0.002285	± 2.5	PASS
	MCH	VL	TN	1.84	0.001062	± 2.5	PASS
		VN	TN	3.66	0.002113	± 2.5	PASS
		VH	TN	3.29	0.001899	± 2.5	PASS
	HCH	VL	TN	0.52	0.000298	± 2.5	PASS
		VN	TN	-1.15	-0.000659	± 2.5	PASS
		VH	TN	1.8	0.001032	± 2.5	PASS
16QAM	LCH	VL	TN	-0.99	-0.000576	± 2.5	PASS
		VN	TN	0.55	0.000320	± 2.5	PASS
		VH	TN	4.92	0.002860	± 2.5	PASS
	MCH	VL	TN	3.56	0.002055	± 2.5	PASS
		VN	TN	-0.51	-0.000294	± 2.5	PASS
		VH	TN	4.89	0.002823	± 2.5	PASS
	HCH	VL	TN	2.79	0.001599	± 2.5	PASS
		VN	TN	3.71	0.002126	± 2.5	PASS
		VH	TN	2.9	0.001662	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.7	0.002733	± 2.5	PASS
		VN	-20	2.15	0.001250	± 2.5	PASS
		VN	-10	4.1	0.002384	± 2.5	PASS
		VN	0	-1.52	-0.000884	± 2.5	PASS
		VN	10	4.5	0.002616	± 2.5	PASS
		VN	20	2.37	0.001378	± 2.5	PASS
		VN	30	4.92	0.002860	± 2.5	PASS
		VN	40	4.05	0.002355	± 2.5	PASS
		VN	50	-1.65	-0.000959	± 2.5	PASS
	MCH	VN	-30	0.95	0.000548	± 2.5	PASS

	VN	-20	-1.14	-0.000658	± 2.5	PASS	
		-10	2.98	0.001720	± 2.5	PASS	
		0	2.29	0.001322	± 2.5	PASS	
		10	-1.42	-0.000820	± 2.5	PASS	
		20	4.03	0.002326	± 2.5	PASS	
		30	4.78	0.002759	± 2.5	PASS	
		40	-0.67	-0.000387	± 2.5	PASS	
		50	4.82	0.002782	± 2.5	PASS	
	HCH	VN	-30	-1.95	-0.001117	± 2.5	PASS
		VN	-20	-2	-0.001146	± 2.5	PASS
		VN	-10	3.59	0.002057	± 2.5	PASS
		VN	0	-0.48	-0.000275	± 2.5	PASS
		VN	10	-0.32	-0.000183	± 2.5	PASS
		VN	20	1.85	0.001060	± 2.5	PASS
		VN	30	4.32	0.002476	± 2.5	PASS
		VN	40	-0.12	-0.000069	± 2.5	PASS
		VN	50	0.53	0.000304	± 2.5	PASS
		16QAM	LCH	VN	-30	1.16	0.000670
VN	-20			2.66	0.001535	± 2.5	PASS
VN	-10			-1.96	-0.001131	± 2.5	PASS
VN	0			2.72	0.001570	± 2.5	PASS
VN	10			3.01	0.001737	± 2.5	PASS
VN	20			3.36	0.001939	± 2.5	PASS
VN	30			2.42	0.001397	± 2.5	PASS
VN	40			3.15	0.001818	± 2.5	PASS
VN	50			4.94	0.002851	± 2.5	PASS
MCH	VN		-30	4.04	0.002315	± 2.5	PASS
	VN		-20	2.5	0.001433	± 2.5	PASS
	VN		-10	0.73	0.000418	± 2.5	PASS
	VN		0	2.36	0.001352	± 2.5	PASS
	VN		10	2.03	0.001163	± 2.5	PASS
	VN		20	0.74	0.000424	± 2.5	PASS
	VN		30	4.19	0.002401	± 2.5	PASS
	VN		40	1.12	0.000642	± 2.5	PASS
	VN		50	0.01	0.000006	± 2.5	PASS
HCH	VN		-30	-1.16	-0.000665	± 2.5	PASS
	VN		-20	-1.38	-0.000791	± 2.5	PASS
	VN		-10	3.42	0.001960	± 2.5	PASS
	VN		0	-0.77	-0.000441	± 2.5	PASS
	VN		10	0.8	0.000458	± 2.5	PASS
	VN		20	3.73	0.002138	± 2.5	PASS

		VN	30	2.87	0.001645	± 2.5	PASS
		VN	40	-1.81	-0.001037	± 2.5	PASS
		VN	50	0.01	0.000006	± 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	2.46	0.001430		
		VN	TN	-0.81	-0.000471		
		VH	TN	-1	-0.000581		
	MCH	VL	TN	0.17	0.000098		
		VN	TN	4.43	0.002557		
		VH	TN	-1.24	-0.000716		
	HCH	VL	TN	3.89	0.002229		
		VN	TN	1.54	0.000883		
		VH	TN	3.51	0.002011		
16QAM	LCH	VL	TN	-1.54	-0.000895		
		VN	TN	-0.59	-0.000343		
		VH	TN	4.53	0.002634		
	MCH	VL	TN	0.31	0.000179		
		VN	TN	2.27	0.001310		
		VH	TN	4.92	0.002840		
	HCH	VL	TN	3.28	0.001880		
		VN	TN	-0.21	-0.000120		
		VH	TN	-1.18	-0.000676		
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.86	-0.001081	± 2.5	PASS
		VN	-20	-0.04	-0.000023	± 2.5	PASS
		VN	-10	3.87	0.002250	± 2.5	PASS
		VN	0	-0.87	-0.000506	± 2.5	PASS
		VN	10	-0.51	-0.000297	± 2.5	PASS
		VN	20	1.03	0.000599	± 2.5	PASS
		VN	30	1.53	0.000890	± 2.5	PASS
		VN	40	3.43	0.001994	± 2.5	PASS
		VN	50	4.07	0.002366	± 2.5	PASS
	MCH	VN	-30	3.21	0.001853	± 2.5	PASS
		VN	-20	3.51	0.002026	± 2.5	PASS

		VN	-10	-0.3	-0.000173	± 2.5	PASS		
		VN	0	3.4	0.001962	± 2.5	PASS		
		VN	10	2.92	0.001685	± 2.5	PASS		
		VN	20	0.73	0.000421	± 2.5	PASS		
		VN	30	4.85	0.002799	± 2.5	PASS		
		VN	40	-0.58	-0.000335	± 2.5	PASS		
		VN	50	1.4	0.000808	± 2.5	PASS		
	HCH	VN	-30	0.1	0.000057	± 2.5	PASS		
		VN	-20	3.2	0.001834	± 2.5	PASS		
		VN	-10	-0.86	-0.000493	± 2.5	PASS		
		VN	0	4.13	0.002367	± 2.5	PASS		
		VN	10	-1.69	-0.000968	± 2.5	PASS		
		VN	20	-0.86	-0.000493	± 2.5	PASS		
		VN	30	-1.19	-0.000682	± 2.5	PASS		
		VN	40	-1.7	-0.000974	± 2.5	PASS		
		VN	50	4.47	0.002562	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.25	-0.000144	± 2.5	PASS
				VN	-20	3.57	0.002061	± 2.5	PASS
VN	-10			0.68	0.000392	± 2.5	PASS		
VN	0			4.33	0.002499	± 2.5	PASS		
VN	10			4.72	0.002724	± 2.5	PASS		
VN	20			0.36	0.000208	± 2.5	PASS		
VN	30			-1.67	-0.000964	± 2.5	PASS		
VN	40			4.87	0.002811	± 2.5	PASS		
VN	50			1	0.000577	± 2.5	PASS		
MCH	VN		-30	1.88	0.001077	± 2.5	PASS		
	VN		-20	-1.66	-0.000951	± 2.5	PASS		
	VN		-10	4.03	0.002309	± 2.5	PASS		
	VN		0	-0.4	-0.000229	± 2.5	PASS		
	VN		10	-1.24	-0.000711	± 2.5	PASS		
	VN		20	-1.45	-0.000831	± 2.5	PASS		
	VN		30	-1.09	-0.000625	± 2.5	PASS		
	VN		40	2.34	0.001341	± 2.5	PASS		
	VN		50	2.06	0.001181	± 2.5	PASS		
HCH	VN		-30	-1.22	-0.000699	± 2.5	PASS		
	VN		-20	0.97	0.000556	± 2.5	PASS		
	VN		-10	-1.27	-0.000728	± 2.5	PASS		
	VN		0	4.95	0.002837	± 2.5	PASS		
	VN		10	4.17	0.002390	± 2.5	PASS		
	VN		20	-0.14	-0.000080	± 2.5	PASS		
	VN		30	1.64	0.000940	± 2.5	PASS		

		VN	40	4.22	0.002418	± 2.5	PASS
		VN	50	3.79	0.002172	± 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	-0.6	-0.000349	± 2.5	PASS
		VN	TN	1.23	0.000715	± 2.5	PASS
		VH	TN	1.41	0.000820	± 2.5	PASS
	MCH	VL	TN	4.69	0.002707	± 2.5	PASS
		VN	TN	-0.15	-0.000087	± 2.5	PASS
		VH	TN	0.06	0.000035	± 2.5	PASS
	HCH	VL	TN	0.33	0.000189	± 2.5	PASS
		VN	TN	-0.2	-0.000115	± 2.5	PASS
		VH	TN	4.11	0.002355	± 2.5	PASS
16QAM	LCH	VL	TN	1.04	0.000605	± 2.5	PASS
		VN	TN	1.16	0.000674	± 2.5	PASS
		VH	TN	4.99	0.002901	± 2.5	PASS
	MCH	VL	TN	2.17	0.001253	± 2.5	PASS
		VN	TN	1.85	0.001068	± 2.5	PASS
		VH	TN	2.92	0.001685	± 2.5	PASS
	HCH	VL	TN	1.56	0.000894	± 2.5	PASS
		VN	TN	3.86	0.002212	± 2.5	PASS
		VH	TN	3.36	0.001926	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.16	0.000674	± 2.5	PASS
		VN	-20	-0.07	-0.000041	± 2.5	PASS
		VN	-10	0.72	0.000419	± 2.5	PASS
		VN	0	-1.37	-0.000797	± 2.5	PASS
		VN	10	-1.12	-0.000651	± 2.5	PASS
		VN	20	1.65	0.000959	± 2.5	PASS
		VN	30	2.99	0.001738	± 2.5	PASS
		VN	40	3.33	0.001936	± 2.5	PASS
		VN	50	-1.82	-0.001058	± 2.5	PASS
	MCH	VN	-30	4.77	0.002753	± 2.5	PASS
		VN	-20	2.86	0.001651	± 2.5	PASS
		VN	-10	3.48	0.002009	± 2.5	PASS

		VN	0	0.76	0.000439	± 2.5	PASS		
		VN	10	3.14	0.001812	± 2.5	PASS		
		VN	20	-1.41	-0.000814	± 2.5	PASS		
		VN	30	-1.56	-0.000900	± 2.5	PASS		
		VN	40	2.93	0.001691	± 2.5	PASS		
		VN	50	2.48	0.001431	± 2.5	PASS		
	HCH	VN	-30	-0.84	-0.000481	± 2.5	PASS		
		VN	-20	0.06	0.000034	± 2.5	PASS		
		VN	-10	-0.18	-0.000103	± 2.5	PASS		
		VN	0	2.88	0.001650	± 2.5	PASS		
		VN	10	-0.58	-0.000332	± 2.5	PASS		
		VN	20	-0.85	-0.000487	± 2.5	PASS		
		VN	30	1.26	0.000722	± 2.5	PASS		
		VN	40	-1.06	-0.000607	± 2.5	PASS		
		VN	50	-0.74	-0.000424	± 2.5	PASS		
		16QAM	LCH	VN	-30	4.83	0.002788	± 2.5	PASS
				VN	-20	0.56	0.000323	± 2.5	PASS
				VN	-10	3.26	0.001882	± 2.5	PASS
VN	0			0.52	0.000300	± 2.5	PASS		
VN	10			2.99	0.001726	± 2.5	PASS		
VN	20			-0.73	-0.000421	± 2.5	PASS		
VN	30			0.17	0.000098	± 2.5	PASS		
VN	40			0.29	0.000167	± 2.5	PASS		
VN	50			4.84	0.002794	± 2.5	PASS		
MCH	VN		-30	-1.27	-0.000728	± 2.5	PASS		
	VN		-20	1.38	0.000791	± 2.5	PASS		
	VN		-10	-0.2	-0.000115	± 2.5	PASS		
	VN		0	4.07	0.002332	± 2.5	PASS		
	VN		10	2	0.001146	± 2.5	PASS		
	VN		20	-1.79	-0.001026	± 2.5	PASS		
	VN		30	4.08	0.002338	± 2.5	PASS		
	VN		40	-0.99	-0.000567	± 2.5	PASS		
	VN		50	3.16	0.001811	± 2.5	PASS		
HCH	VN		-30	-0.03	-0.000017	± 2.5	PASS		
	VN		-20	4.47	0.002562	± 2.5	PASS		
	VN		-10	-0.38	-0.000218	± 2.5	PASS		
	VN		0	4.18	0.002395	± 2.5	PASS		
	VN		10	1.36	0.000779	± 2.5	PASS		
	VN		20	3.82	0.002189	± 2.5	PASS		
	VN		30	0.5	0.000287	± 2.5	PASS		
	VN		40	-1.73	-0.000991	± 2.5	PASS		

		VN	50	2.83	0.001622	± 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	4.72	0.002744	± 2.5	PASS
		VN	TN	2.6	0.001512	± 2.5	PASS
		VH	TN	0.97	0.000564	± 2.5	PASS
	MCH	VL	TN	4.81	0.002776	± 2.5	PASS
		VN	TN	-1.6	-0.000924	± 2.5	PASS
		VH	TN	-1.72	-0.000993	± 2.5	PASS
	HCH	VL	TN	0.78	0.000447	± 2.5	PASS
		VN	TN	-0.49	-0.000281	± 2.5	PASS
		VH	TN	0.04	0.000023	± 2.5	PASS
16QAM	LCH	VL	TN	4.55	0.002645	± 2.5	PASS
		VN	TN	0.23	0.000134	± 2.5	PASS
		VH	TN	0.33	0.000192	± 2.5	PASS
	MCH	VL	TN	-0.56	-0.000323	± 2.5	PASS
		VN	TN	1.01	0.000583	± 2.5	PASS
		VH	TN	4.21	0.002430	± 2.5	PASS
	HCH	VL	TN	3.4	0.001948	± 2.5	PASS
		VN	TN	2.02	0.001158	± 2.5	PASS
		VH	TN	-0.63	-0.000361	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.22	-0.000128	± 2.5	PASS
		VN	-20	-0.79	-0.000459	± 2.5	PASS
		VN	-10	2.82	0.001640	± 2.5	PASS
		VN	0	0.58	0.000337	± 2.5	PASS
		VN	10	1.49	0.000866	± 2.5	PASS
		VN	20	1.82	0.001058	± 2.5	PASS
		VN	30	4.4	0.002558	± 2.5	PASS
		VN	40	2.1	0.001221	± 2.5	PASS
		VN	50	2.29	0.001331	± 2.5	PASS
	MCH	VN	-30	-1.91	-0.001102	± 2.5	PASS
		VN	-20	-1.27	-0.000733	± 2.5	PASS
		VN	-10	0.48	0.000277	± 2.5	PASS
		VN	0	0.93	0.000537	± 2.5	PASS

		VN	10	3.4	0.001962	± 2.5	PASS
		VN	20	1.16	0.000670	± 2.5	PASS
		VN	30	2.39	0.001380	± 2.5	PASS
		VN	40	4.73	0.002730	± 2.5	PASS
		VN	50	-0.63	-0.000364	± 2.5	PASS
	HCH	VN	-30	-1.42	-0.000814	± 2.5	PASS
		VN	-20	3.84	0.002201	± 2.5	PASS
		VN	-10	-0.66	-0.000378	± 2.5	PASS
		VN	0	1.08	0.000619	± 2.5	PASS
		VN	10	-0.81	-0.000464	± 2.5	PASS
		VN	20	-0.21	-0.000120	± 2.5	PASS
		VN	30	0.43	0.000246	± 2.5	PASS
		VN	40	1.97	0.001129	± 2.5	PASS
		VN	50	1.28	0.000734	± 2.5	PASS
		16QAM	LCH	VN	-30	3.88	0.002240
VN	-20			-1.81	-0.001045	± 2.5	PASS
VN	-10			-1.71	-0.000987	± 2.5	PASS
VN	0			0.87	0.000502	± 2.5	PASS
VN	10			3	0.001732	± 2.5	PASS
VN	20			4.27	0.002465	± 2.5	PASS
VN	30			-1.34	-0.000773	± 2.5	PASS
VN	40			2.51	0.001449	± 2.5	PASS
VN	50			1.98	0.001143	± 2.5	PASS
MCH	VN		-30	3.14	0.001799	± 2.5	PASS
	VN		-20	-0.89	-0.000510	± 2.5	PASS
	VN		-10	-0.59	-0.000338	± 2.5	PASS
	VN		0	2.46	0.001410	± 2.5	PASS
	VN		10	-1.26	-0.000722	± 2.5	PASS
	VN		20	1.28	0.000734	± 2.5	PASS
	VN		30	2.71	0.001553	± 2.5	PASS
	VN		40	2	0.001146	± 2.5	PASS
	VN		50	2.66	0.001524	± 2.5	PASS
HCH	VN		-30	1.64	0.000940	± 2.5	PASS
	VN		-20	-0.63	-0.000361	± 2.5	PASS
	VN		-10	4.17	0.002390	± 2.5	PASS
	VN		0	1.16	0.000665	± 2.5	PASS
	VN		10	1.68	0.000963	± 2.5	PASS
	VN		20	0.1	0.000057	± 2.5	PASS
	VN		30	3.39	0.001943	± 2.5	PASS
	VN		40	0.26	0.000149	± 2.5	PASS
	VN		50	-1.58	-0.000905	± 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	4.96	0.002884	± 2.5	PASS
		VN	TN	1.21	0.000703	± 2.5	PASS
		VH	TN	1.63	0.000948	± 2.5	PASS
	MCH	VL	TN	4.08	0.002355	± 2.5	PASS
		VN	TN	3.42	0.001974	± 2.5	PASS
		VH	TN	0.81	0.000468	± 2.5	PASS
	HCH	VL	TN	2.63	0.001507	± 2.5	PASS
		VN	TN	-1.43	-0.000819	± 2.5	PASS
		VH	TN	2.96	0.001696	± 2.5	PASS
16QAM	LCH	VL	TN	-0.84	-0.000488	± 2.5	PASS
		VN	TN	0.41	0.000238	± 2.5	PASS
		VH	TN	-0.95	-0.000552	± 2.5	PASS
	MCH	VL	TN	-1.53	-0.000883	± 2.5	PASS
		VN	TN	-0.13	-0.000075	± 2.5	PASS
		VH	TN	1.31	0.000756	± 2.5	PASS
	HCH	VL	TN	1.56	0.000894	± 2.5	PASS
		VN	TN	1.41	0.000808	± 2.5	PASS
		VH	TN	-1.3	-0.000745	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.31	0.001343	± 2.5	PASS
		VN	-20	0.01	0.000006	± 2.5	PASS
		VN	-10	-1.33	-0.000773	± 2.5	PASS
		VN	0	-0.48	-0.000279	± 2.5	PASS
		VN	10	-1.61	-0.000936	± 2.5	PASS
		VN	20	1.07	0.000622	± 2.5	PASS
		VN	30	1.81	0.001052	± 2.5	PASS
		VN	40	2.91	0.001692	± 2.5	PASS
		VN	50	0.36	0.000209	± 2.5	PASS
	MCH	VN	-30	-1.08	-0.000623	± 2.5	PASS
		VN	-20	1.88	0.001085	± 2.5	PASS
		VN	-10	2.81	0.001622	± 2.5	PASS
		VN	0	0.1	0.000058	± 2.5	PASS
		VN	10	3.43	0.001980	± 2.5	PASS
		VN	20	3.08	0.001778	± 2.5	PASS

		VN	30	2.68	0.001547	± 2.5	PASS
		VN	40	-1.08	-0.000623	± 2.5	PASS
		VN	50	0.31	0.000179	± 2.5	PASS
	HCH	VN	-30	3.16	0.001811	± 2.5	PASS
		VN	-20	0.42	0.000241	± 2.5	PASS
		VN	-10	4.62	0.002648	± 2.5	PASS
		VN	0	1.6	0.000917	± 2.5	PASS
		VN	10	3.52	0.002017	± 2.5	PASS
		VN	20	-1.12	-0.000642	± 2.5	PASS
		VN	30	-0.21	-0.000120	± 2.5	PASS
		VN	40	0.63	0.000361	± 2.5	PASS
		VN	50	-1.3	-0.000745	± 2.5	PASS
16QAM	LCH	VN	-30	0.02	0.000012	± 2.5	PASS
		VN	-20	1.08	0.000623	± 2.5	PASS
		VN	-10	0.88	0.000508	± 2.5	PASS
		VN	0	-0.51	-0.000294	± 2.5	PASS
		VN	10	2.28	0.001316	± 2.5	PASS
		VN	20	3.95	0.002280	± 2.5	PASS
		VN	30	0.43	0.000248	± 2.5	PASS
		VN	40	0.3	0.000173	± 2.5	PASS
		VN	50	1.21	0.000698	± 2.5	PASS
	MCH	VN	-30	3.86	0.002212	± 2.5	PASS
		VN	-20	4.69	0.002688	± 2.5	PASS
		VN	-10	4.84	0.002774	± 2.5	PASS
		VN	0	2.5	0.001433	± 2.5	PASS
		VN	10	1.65	0.000946	± 2.5	PASS
		VN	20	3.43	0.001966	± 2.5	PASS
		VN	30	-0.53	-0.000304	± 2.5	PASS
		VN	40	0.45	0.000258	± 2.5	PASS
		VN	50	3.53	0.002023	± 2.5	PASS
	HCH	VN	-30	1.27	0.000728	± 2.5	PASS
		VN	-20	-0.03	-0.000017	± 2.5	PASS
		VN	-10	0.31	0.000178	± 2.5	PASS
		VN	0	3.26	0.001868	± 2.5	PASS
		VN	10	-0.77	-0.000441	± 2.5	PASS
		VN	20	-1.61	-0.000923	± 2.5	PASS
		VN	30	4.85	0.002779	± 2.5	PASS
		VN	40	2.16	0.001238	± 2.5	PASS
		VN	50	3.22	0.001845	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.9	0.002849	± 2.5	PASS
		VN	TN	3.56	0.002070	± 2.5	PASS
		VH	TN	0.38	0.000221	± 2.5	PASS
	MCH	VL	TN	-1.32	-0.000762	± 2.5	PASS
		VN	TN	-0.49	-0.000283	± 2.5	PASS
		VH	TN	0.21	0.000121	± 2.5	PASS
	HCH	VL	TN	4	0.002292	± 2.5	PASS
		VN	TN	-0.26	-0.000149	± 2.5	PASS
		VH	TN	0.55	0.000315	± 2.5	PASS
16QAM	LCH	VL	TN	1.33	0.000773	± 2.5	PASS
		VN	TN	0.15	0.000087	± 2.5	PASS
		VH	TN	1.26	0.000733	± 2.5	PASS
	MCH	VL	TN	0.75	0.000433	± 2.5	PASS
		VN	TN	-0.06	-0.000035	± 2.5	PASS
		VH	TN	2.96	0.001709	± 2.5	PASS
	HCH	VL	TN	1.22	0.000699	± 2.5	PASS
		VN	TN	1.52	0.000871	± 2.5	PASS
		VH	TN	2.05	0.001175	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.85	-0.001076	± 2.5	PASS
		VN	-20	2.24	0.001302	± 2.5	PASS
		VN	-10	4.09	0.002378	± 2.5	PASS
		VN	0	-0.27	-0.000157	± 2.5	PASS
		VN	10	4.51	0.002622	± 2.5	PASS
		VN	20	1.43	0.000831	± 2.5	PASS
		VN	30	4.7	0.002733	± 2.5	PASS
		VN	40	-1.48	-0.000860	± 2.5	PASS
		VN	50	1.63	0.000948	± 2.5	PASS
	MCH	VN	-30	0.16	0.000092	± 2.5	PASS
		VN	-20	-1.27	-0.000733	± 2.5	PASS
		VN	-10	0.71	0.000410	± 2.5	PASS
		VN	0	2.45	0.001414	± 2.5	PASS
		VN	10	4.48	0.002586	± 2.5	PASS
		VN	20	2.79	0.001610	± 2.5	PASS

		VN	30	0.62	0.000358	± 2.5	PASS
		VN	40	-1.75	-0.001010	± 2.5	PASS
		VN	50	2.02	0.001166	± 2.5	PASS
	HCH	VN	-30	0.54	0.000309	± 2.5	PASS
		VN	-20	1.47	0.000842	± 2.5	PASS
		VN	-10	-0.87	-0.000499	± 2.5	PASS
		VN	0	-1.34	-0.000768	± 2.5	PASS
		VN	10	3.04	0.001742	± 2.5	PASS
		VN	20	-1.15	-0.000659	± 2.5	PASS
		VN	30	4.76	0.002728	± 2.5	PASS
		VN	40	-0.39	-0.000223	± 2.5	PASS
		VN	50	-0.03	-0.000017	± 2.5	PASS
16QAM	LCH	VN	-30	0.05	0.000029	± 2.5	PASS
		VN	-20	1.64	0.000947	± 2.5	PASS
		VN	-10	0.94	0.000543	± 2.5	PASS
		VN	0	-1.74	-0.001004	± 2.5	PASS
		VN	10	-0.94	-0.000543	± 2.5	PASS
		VN	20	3.14	0.001812	± 2.5	PASS
		VN	30	3.1	0.001789	± 2.5	PASS
		VN	40	2.1	0.001212	± 2.5	PASS
		VN	50	4.74	0.002736	± 2.5	PASS
	MCH	VN	-30	-1.29	-0.000739	± 2.5	PASS
		VN	-20	0.05	0.000029	± 2.5	PASS
		VN	-10	-1.24	-0.000711	± 2.5	PASS
		VN	0	-1.39	-0.000797	± 2.5	PASS
		VN	10	-0.14	-0.000080	± 2.5	PASS
		VN	20	3.39	0.001943	± 2.5	PASS
		VN	30	1.43	0.000819	± 2.5	PASS
		VN	40	4.13	0.002367	± 2.5	PASS
		VN	50	2.54	0.001456	± 2.5	PASS
	HCH	VN	-30	-1.4	-0.000802	± 2.5	PASS
		VN	-20	2.93	0.001679	± 2.5	PASS
		VN	-10	1.31	0.000751	± 2.5	PASS
		VN	0	2.82	0.001616	± 2.5	PASS
		VN	10	4.99	0.002860	± 2.5	PASS
		VN	20	-0.47	-0.000269	± 2.5	PASS
		VN	30	-1.26	-0.000722	± 2.5	PASS
		VN	40	0.93	0.000533	± 2.5	PASS
		VN	50	1.17	0.000670	± 2.5	PASS