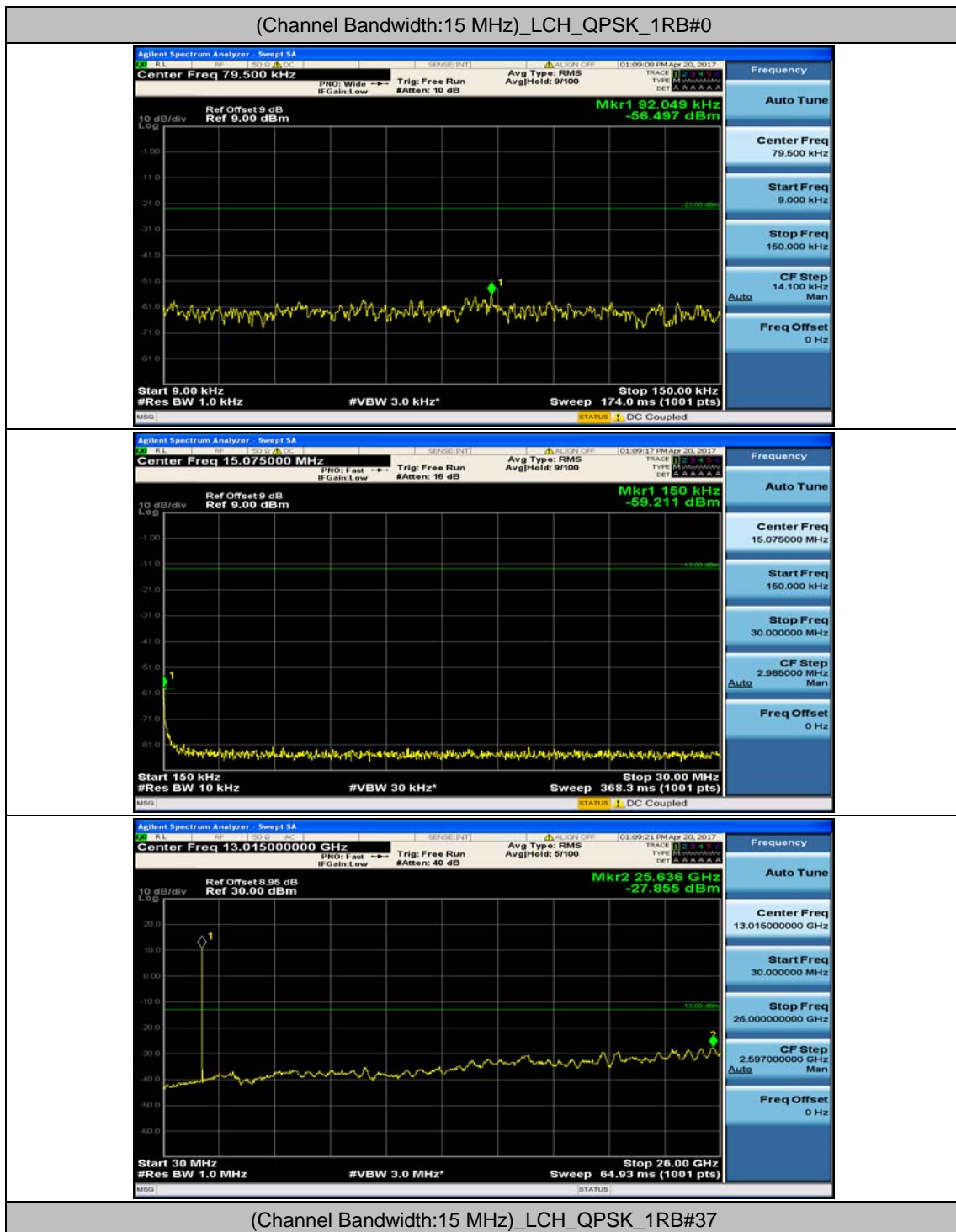
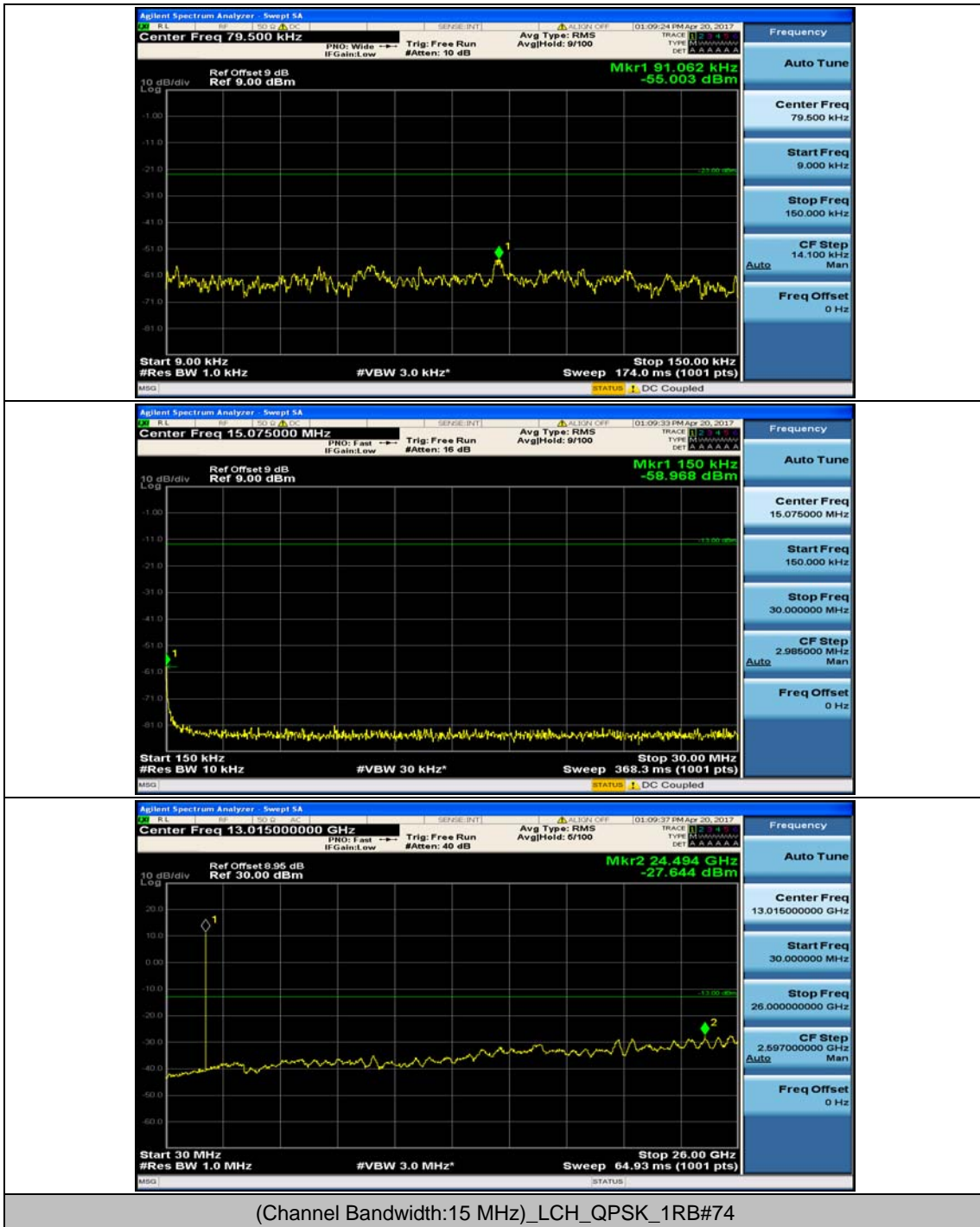
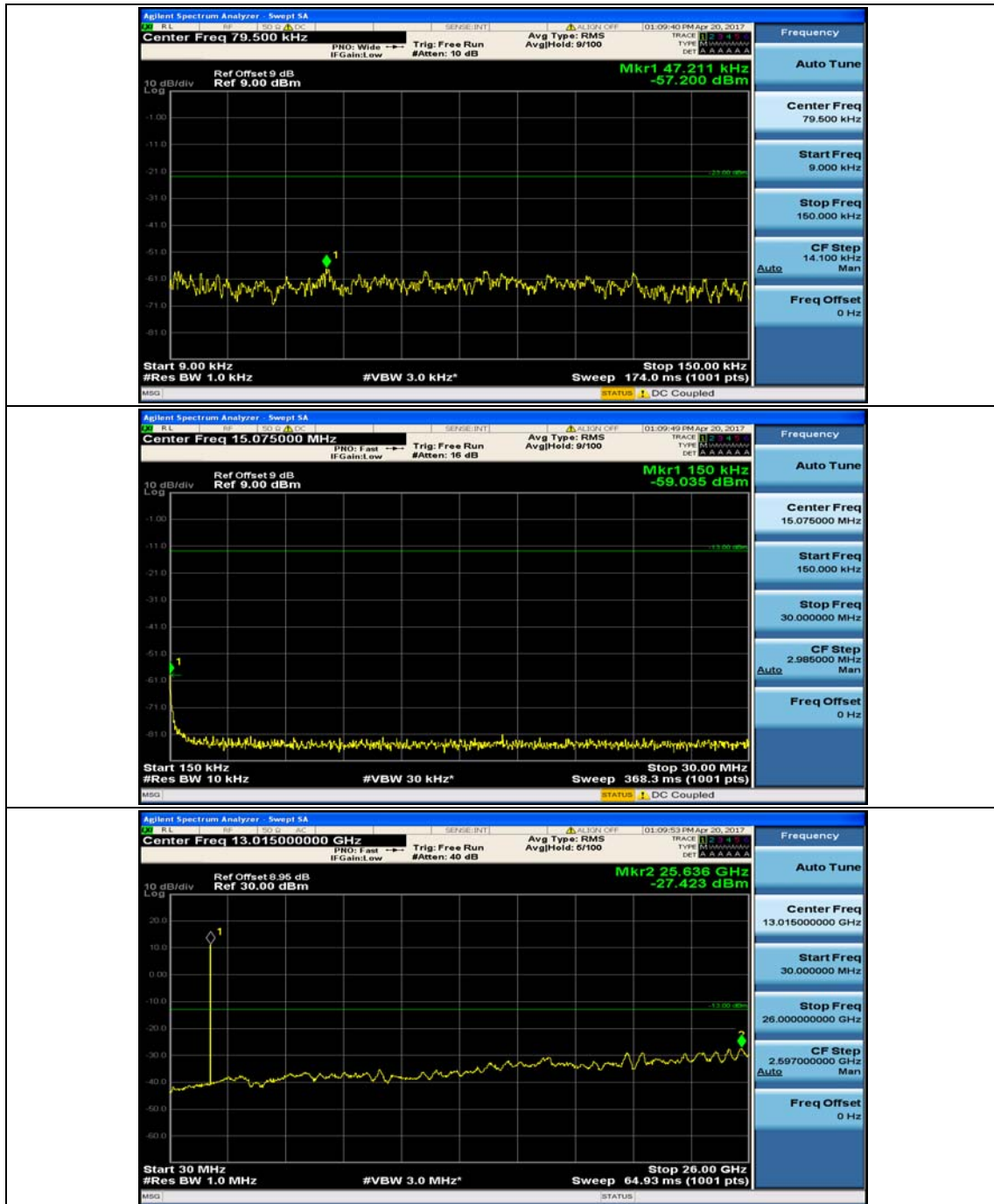


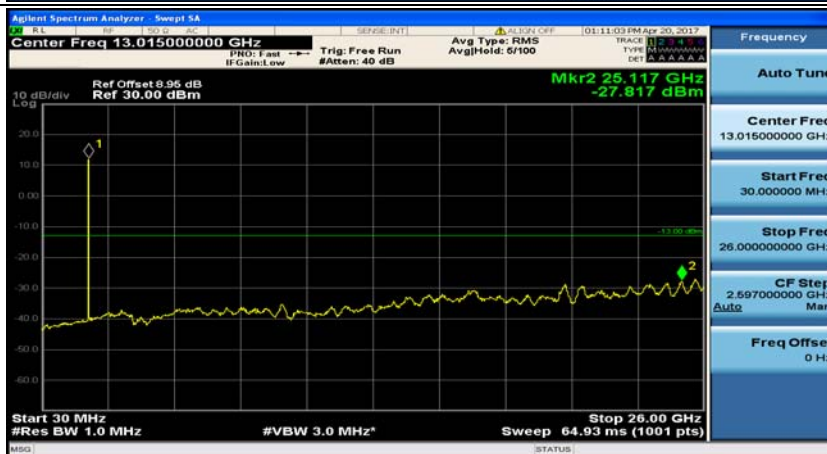
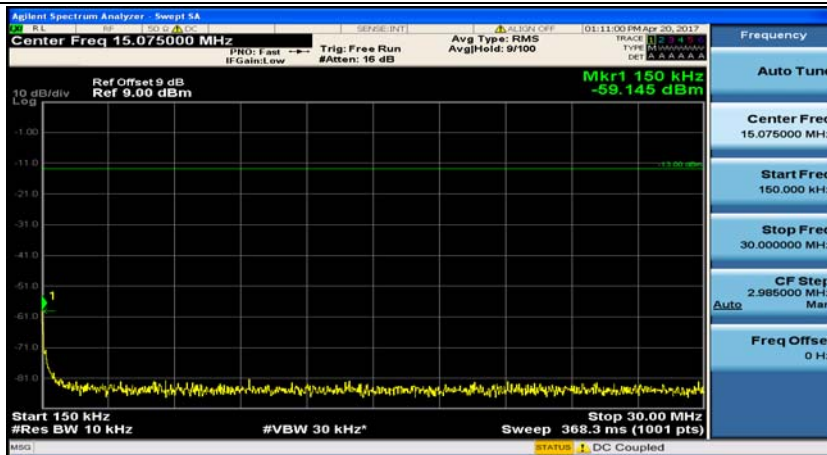
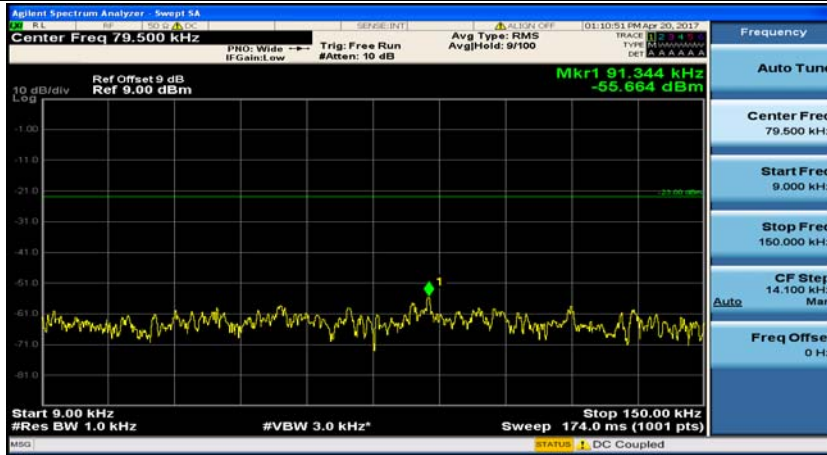
Channel Bandwidth: 15 MHz



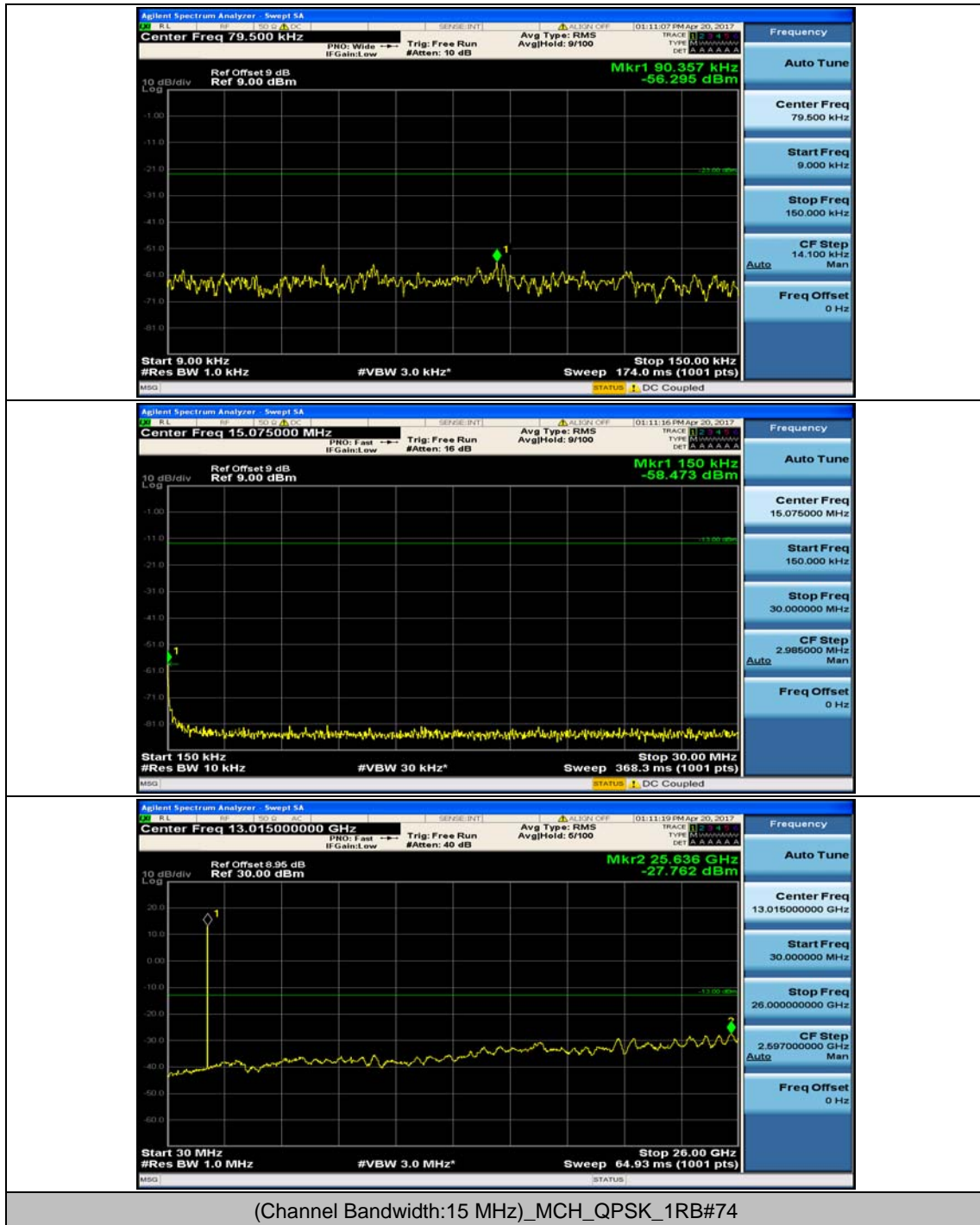


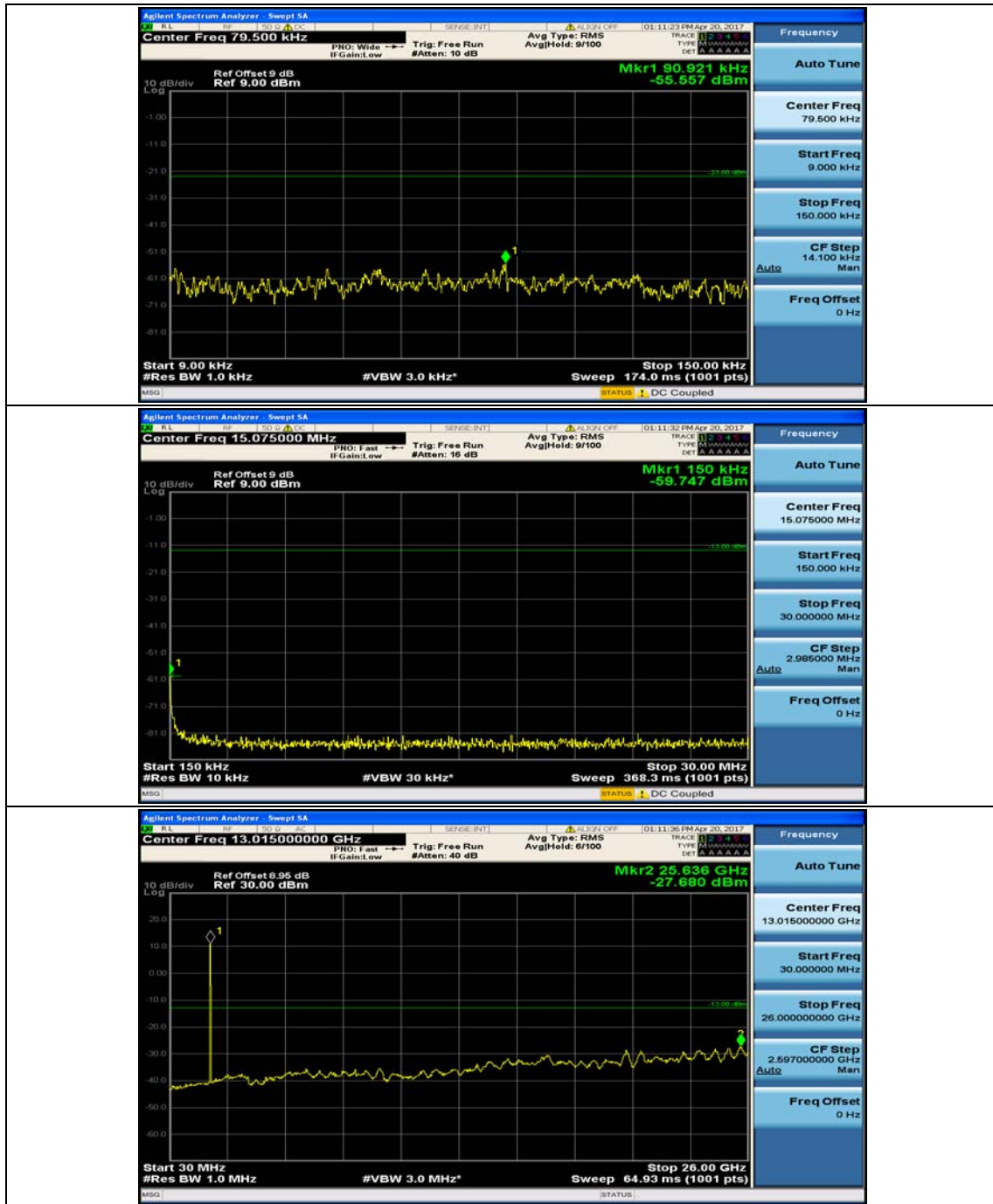


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

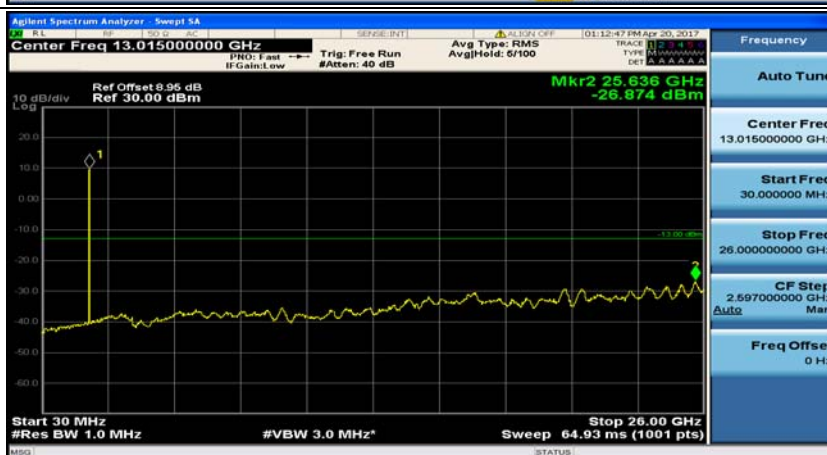
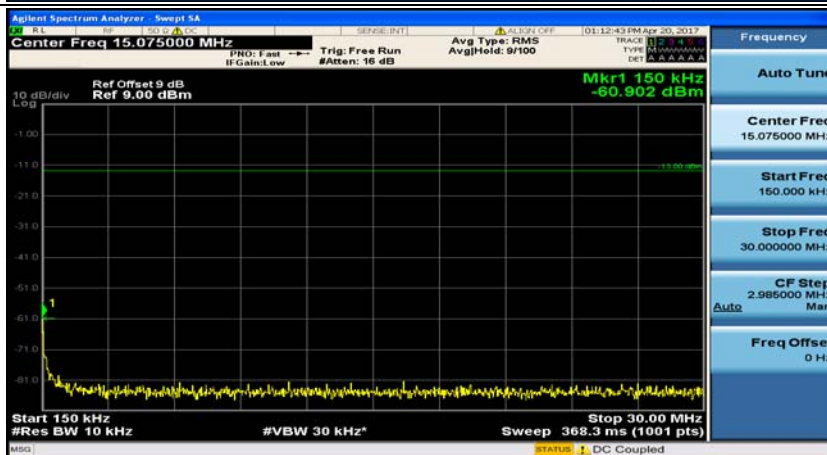
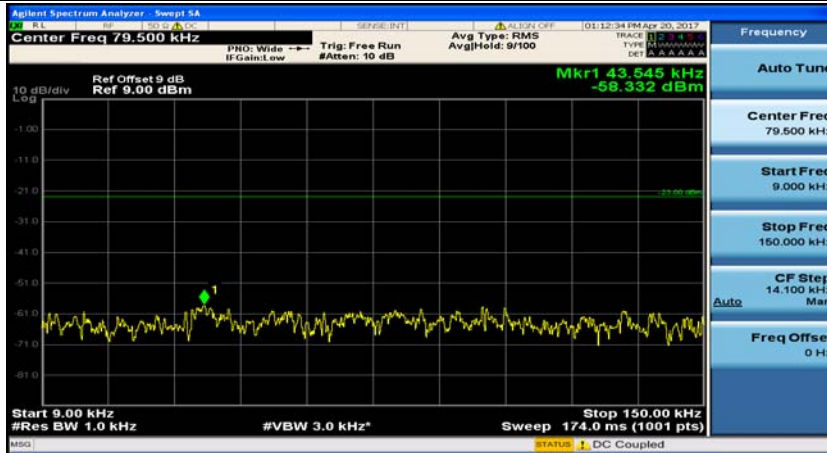


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

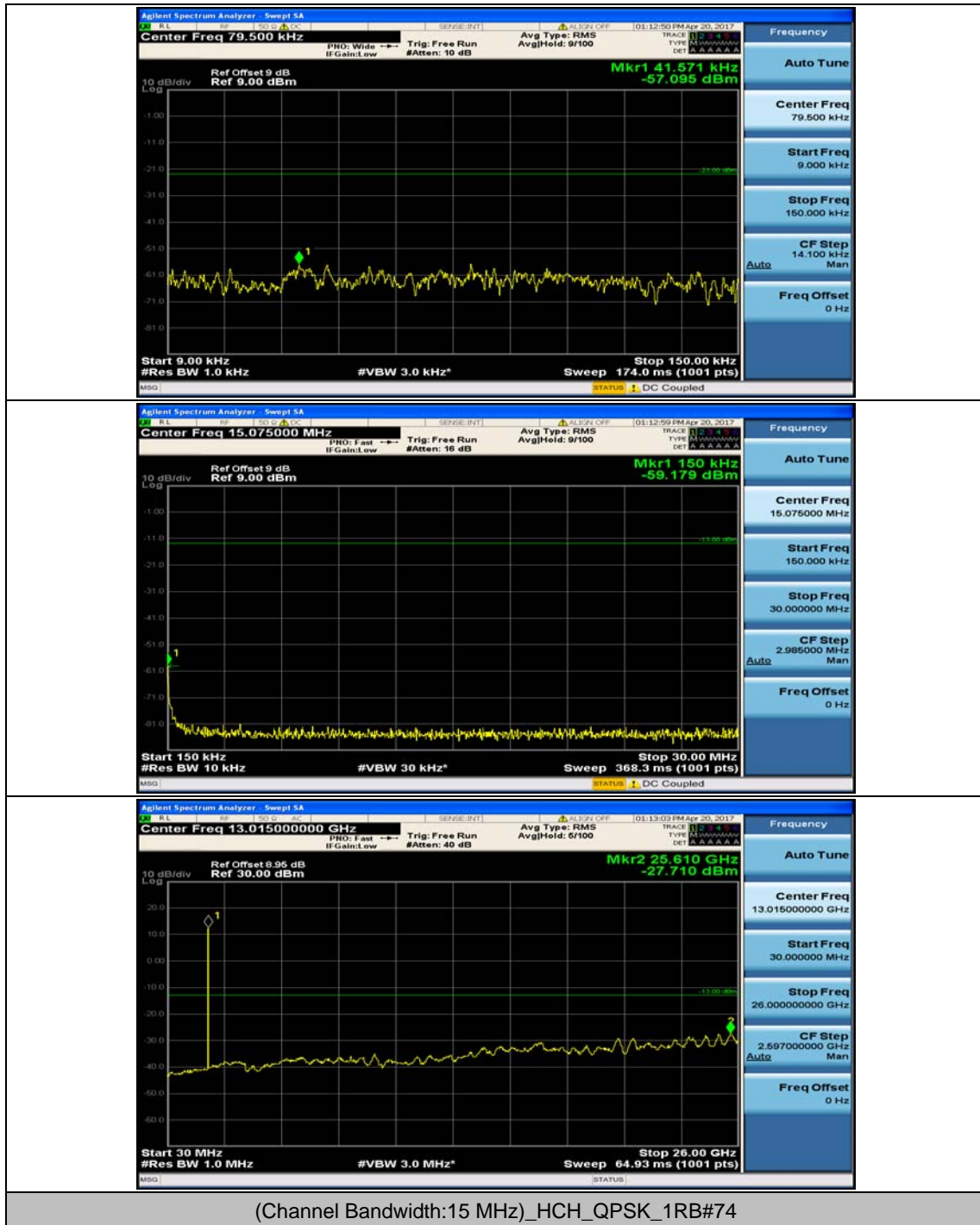


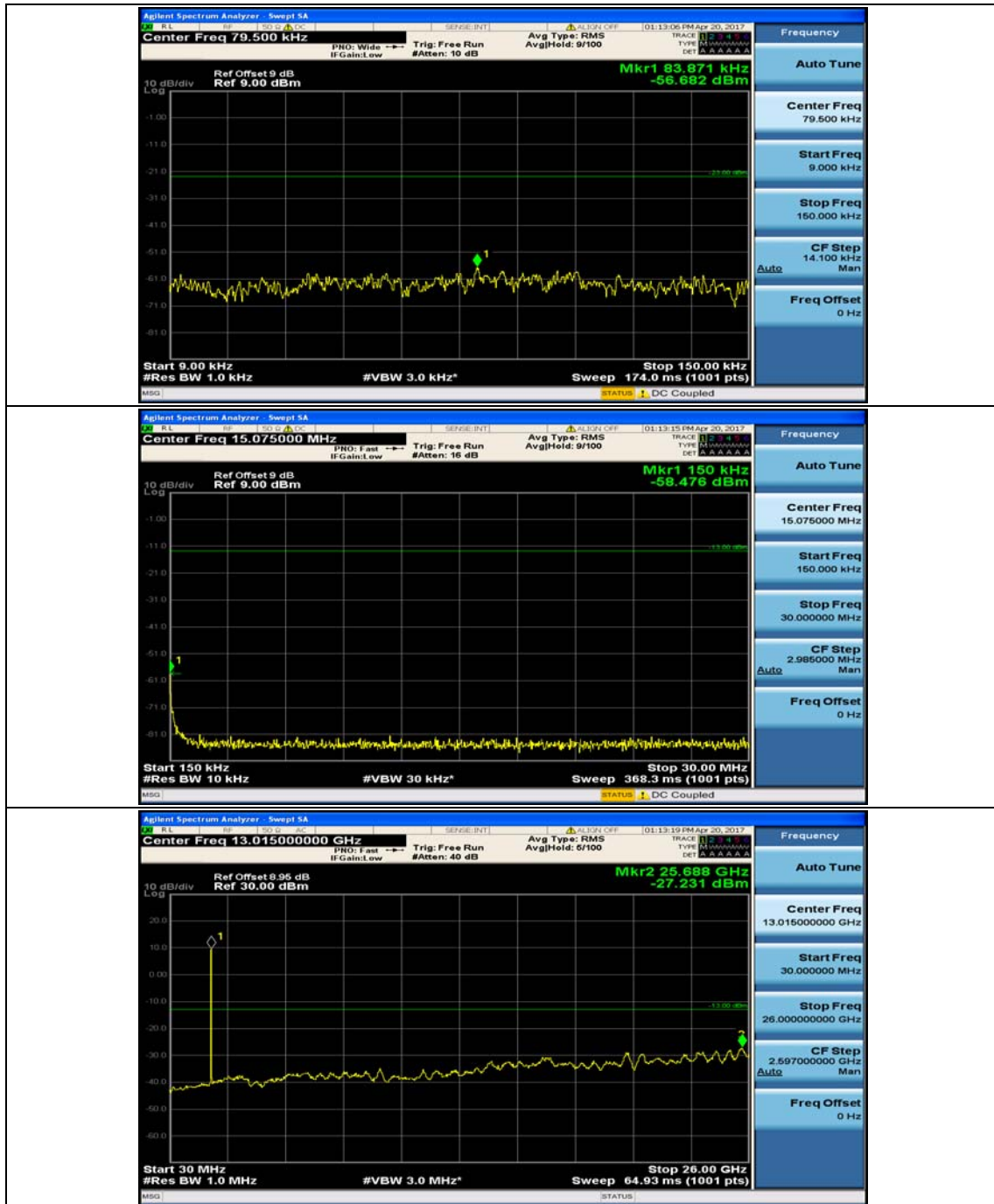


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

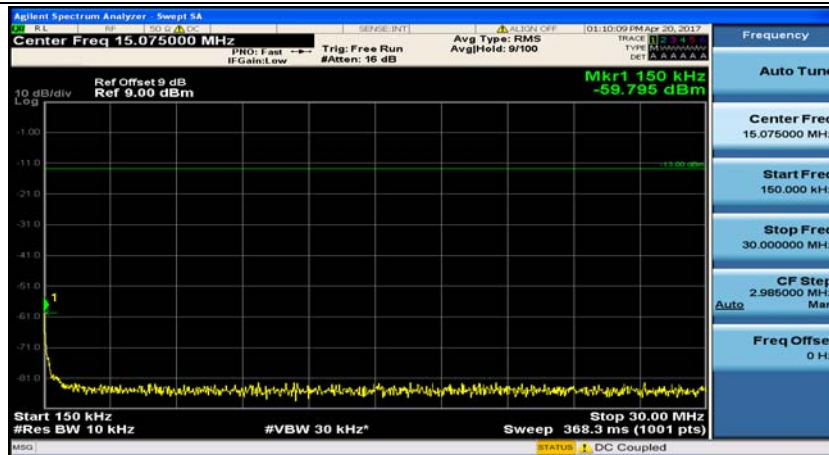
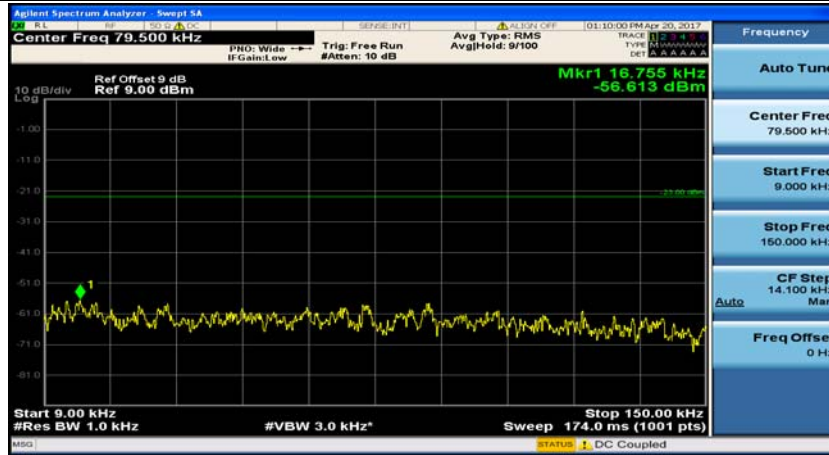


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

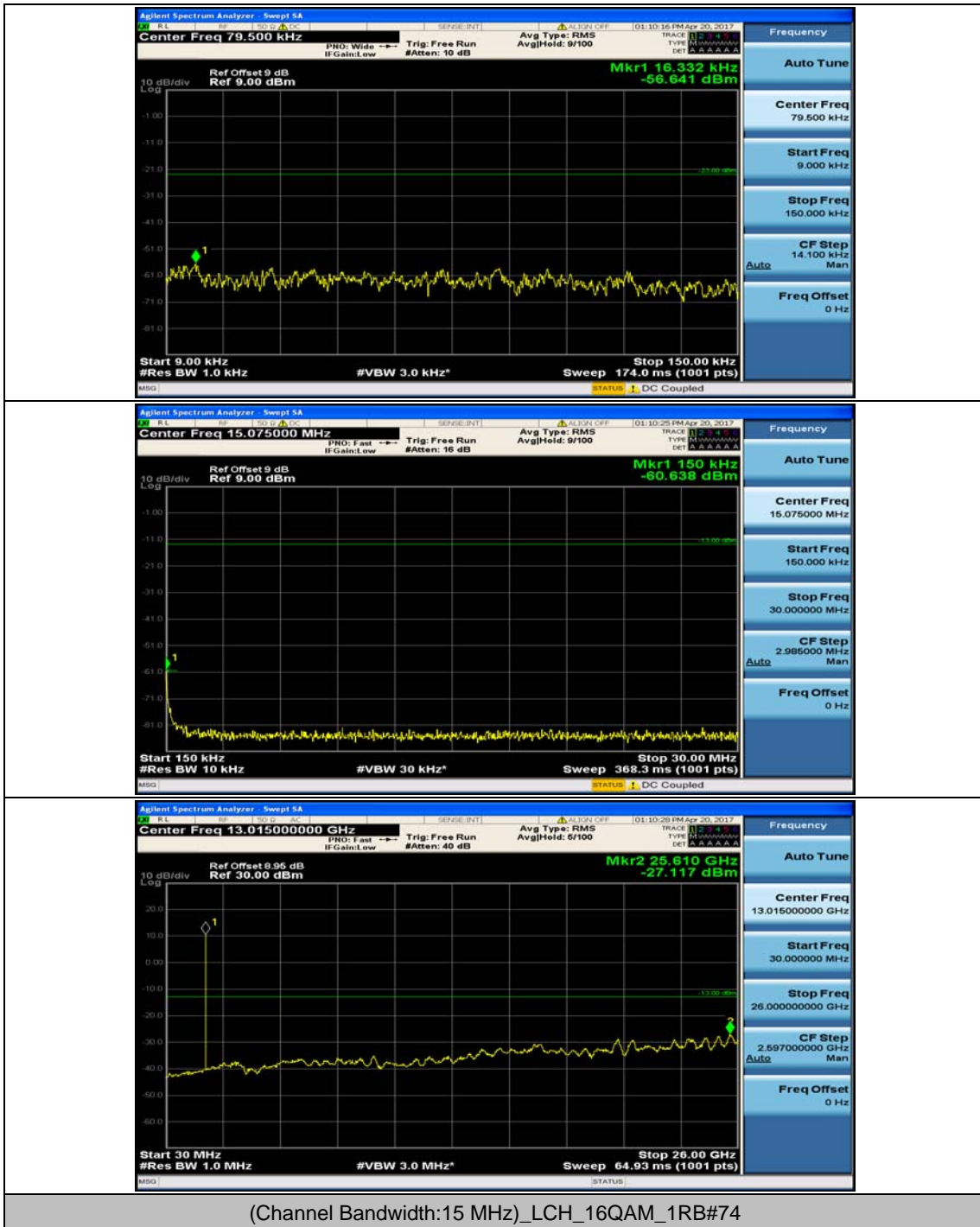


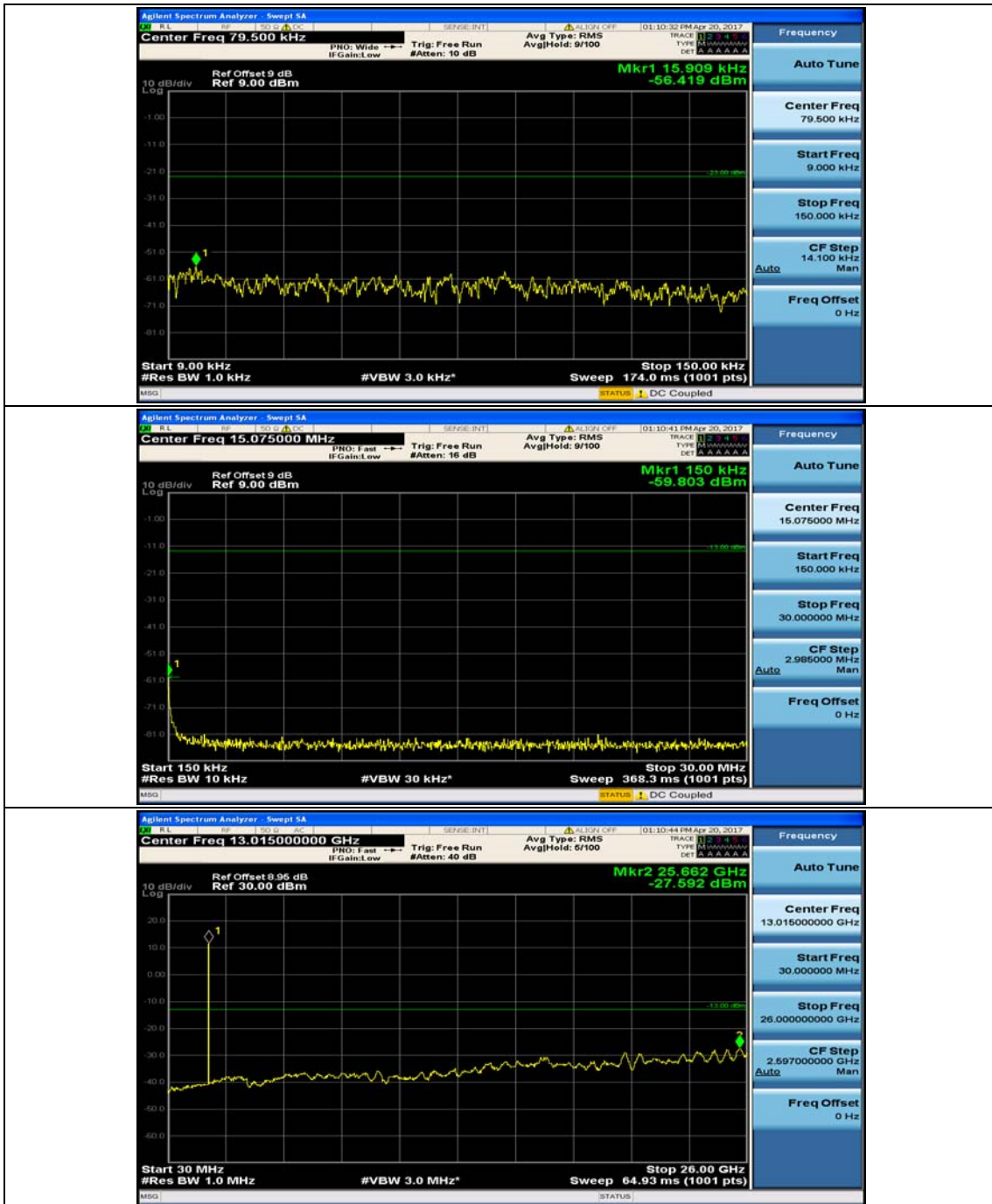


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

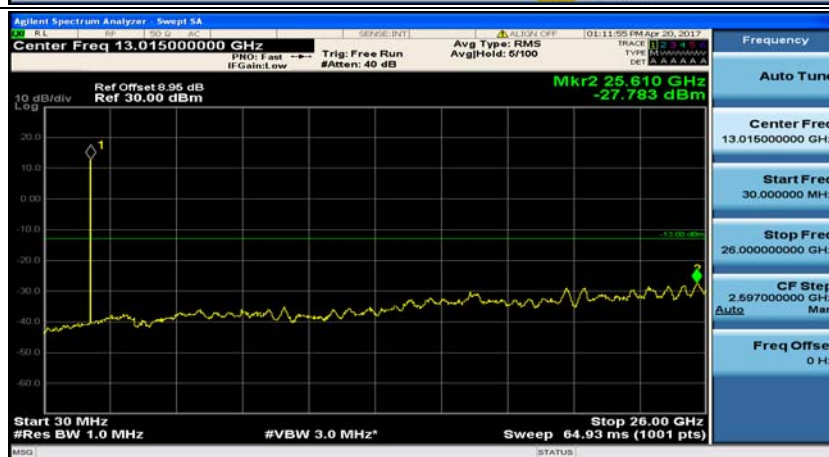
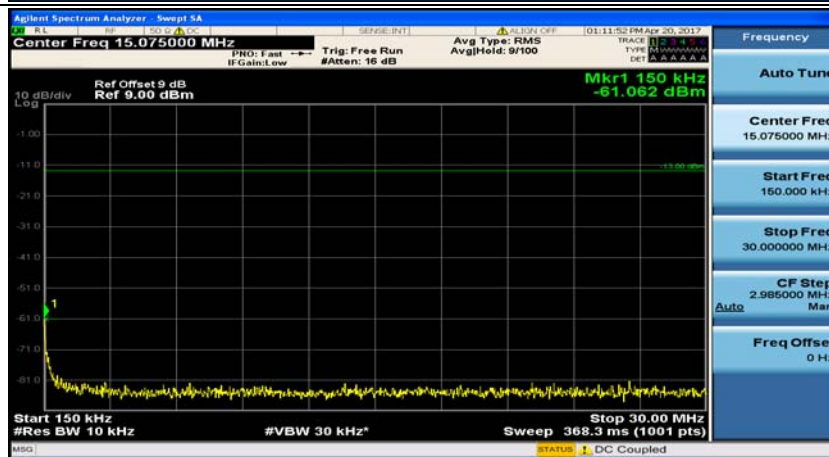
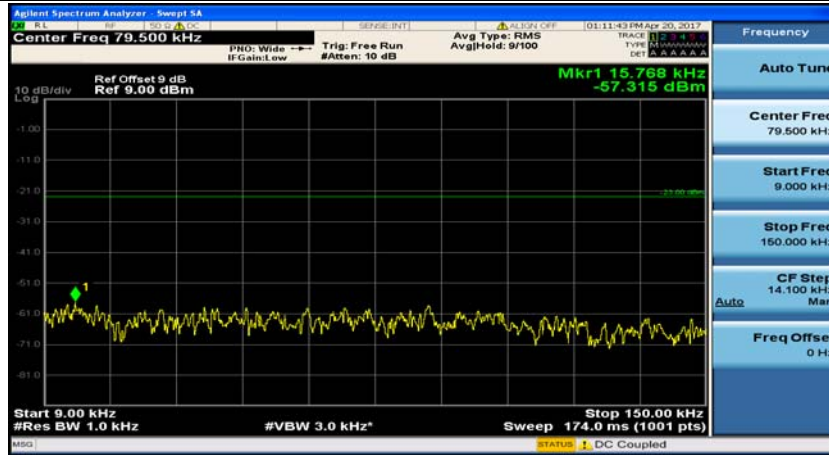


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

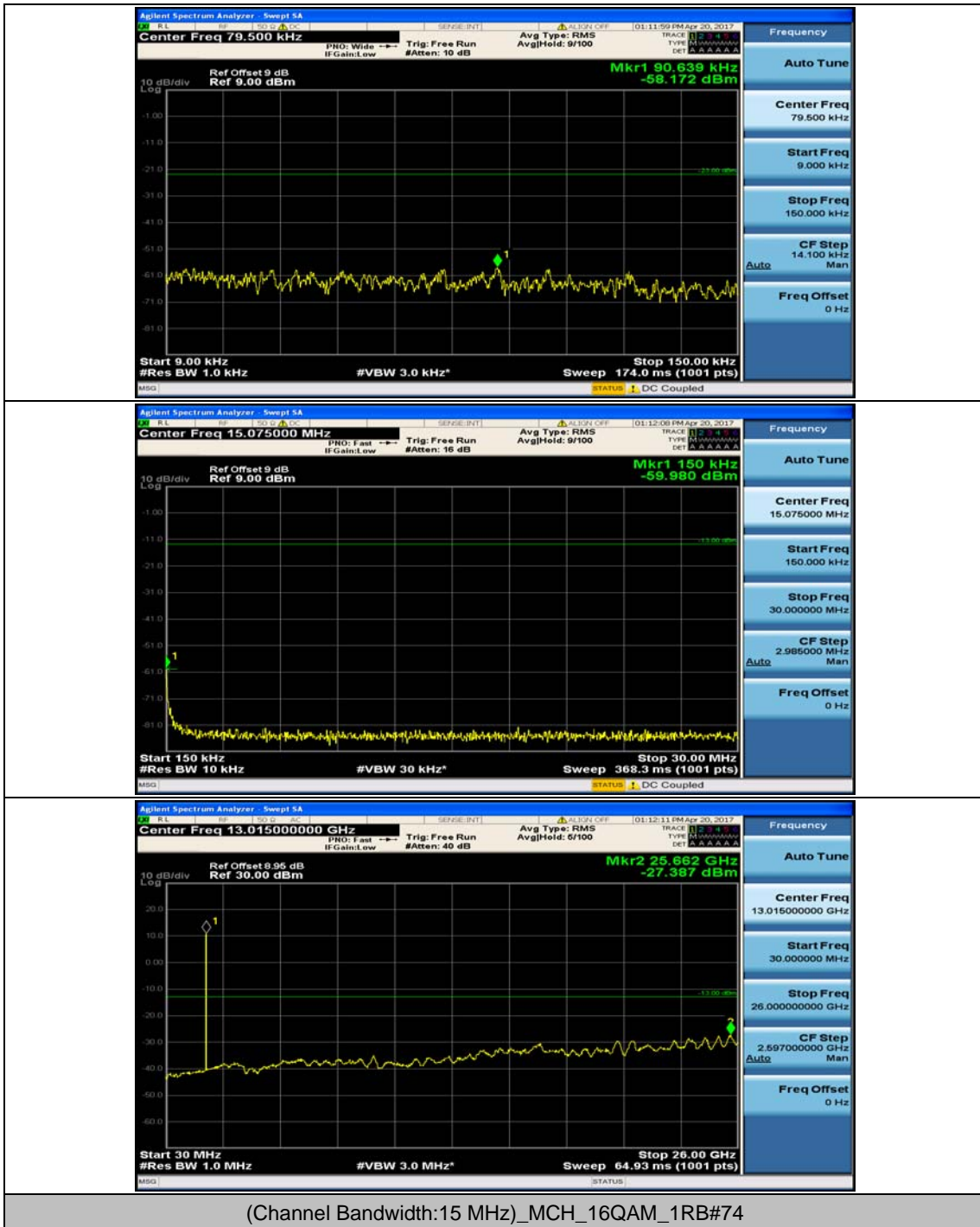


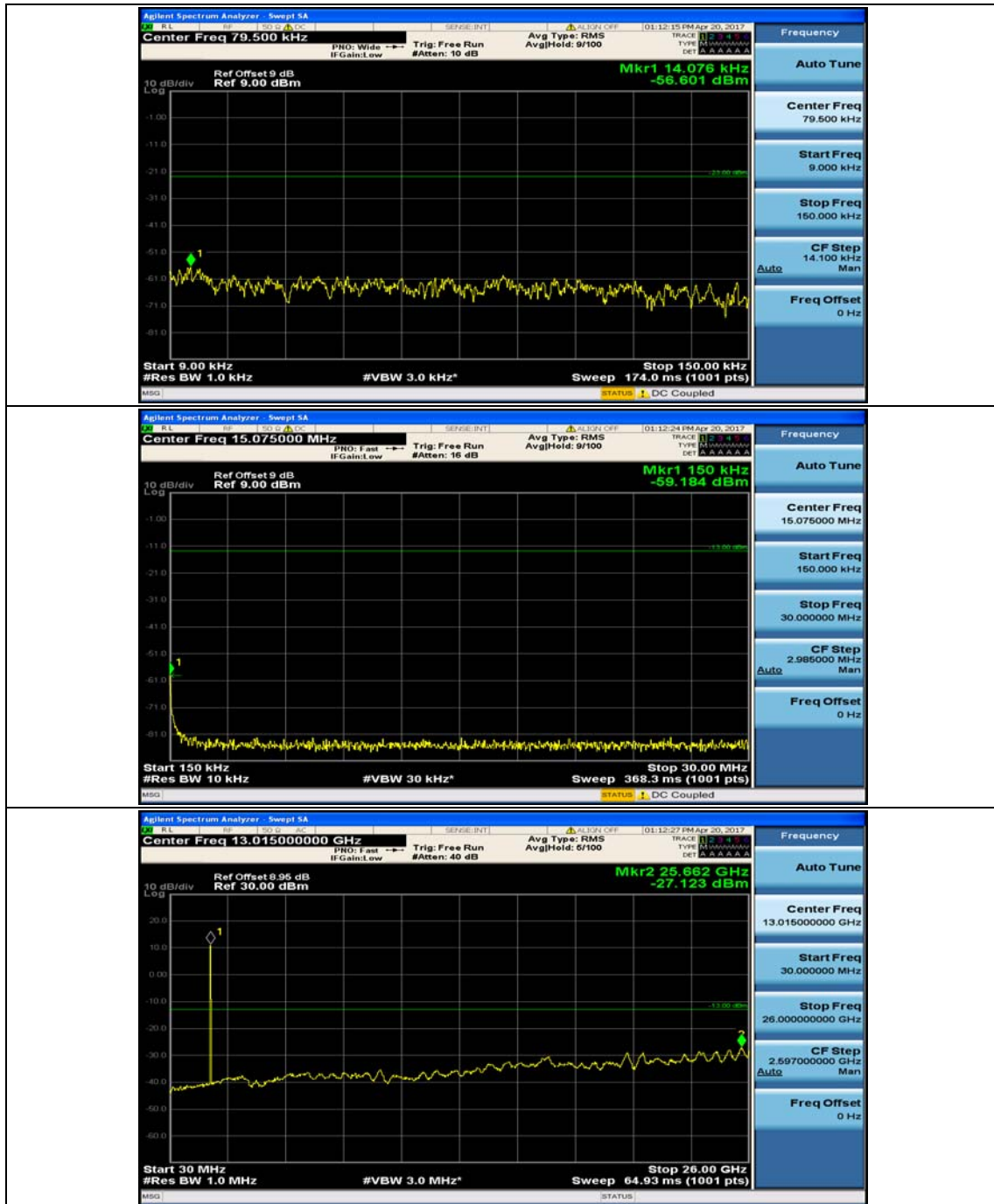


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

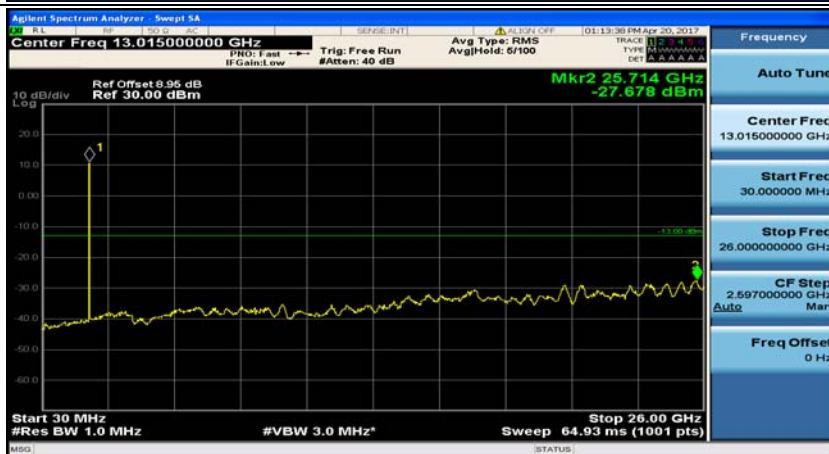
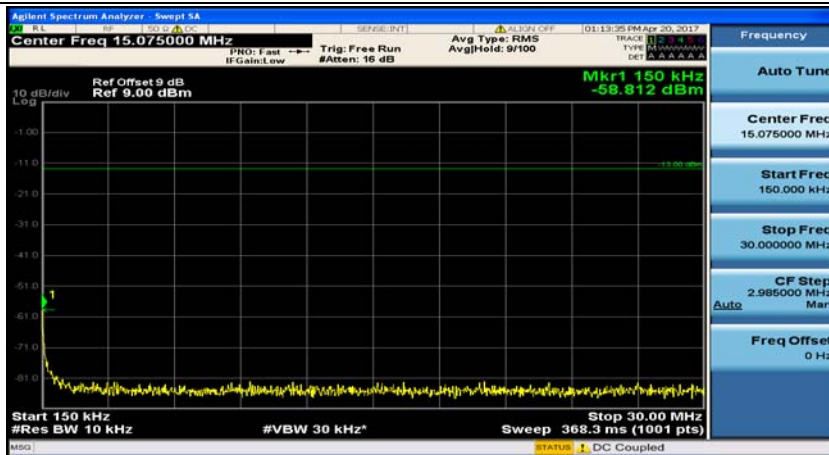
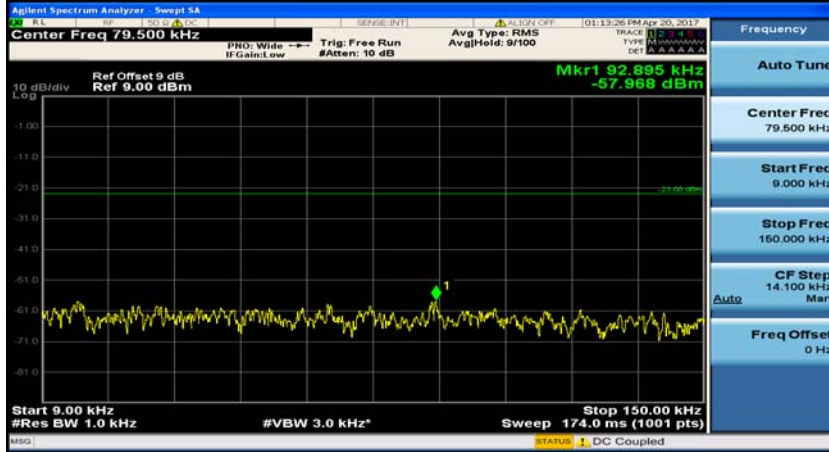


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

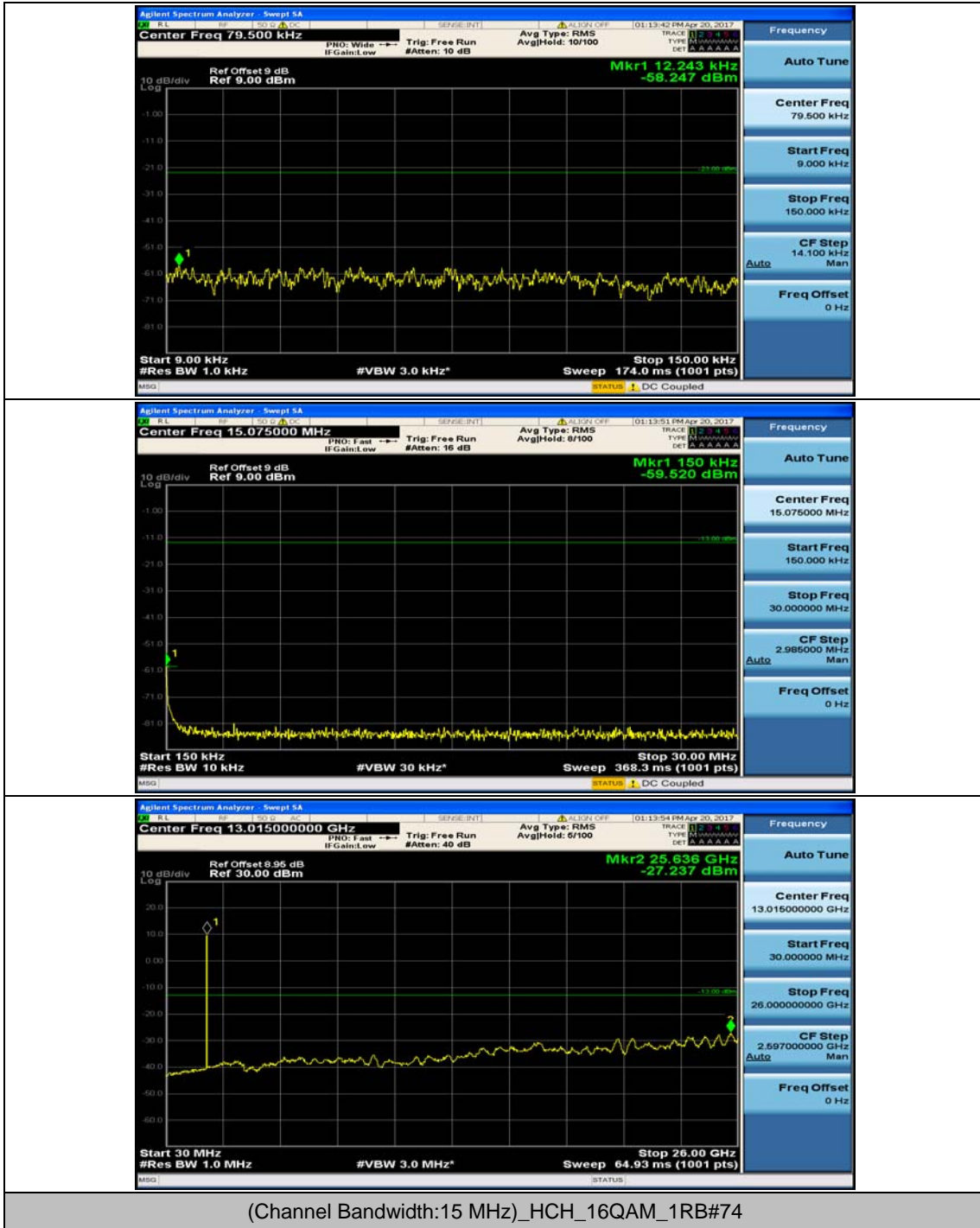


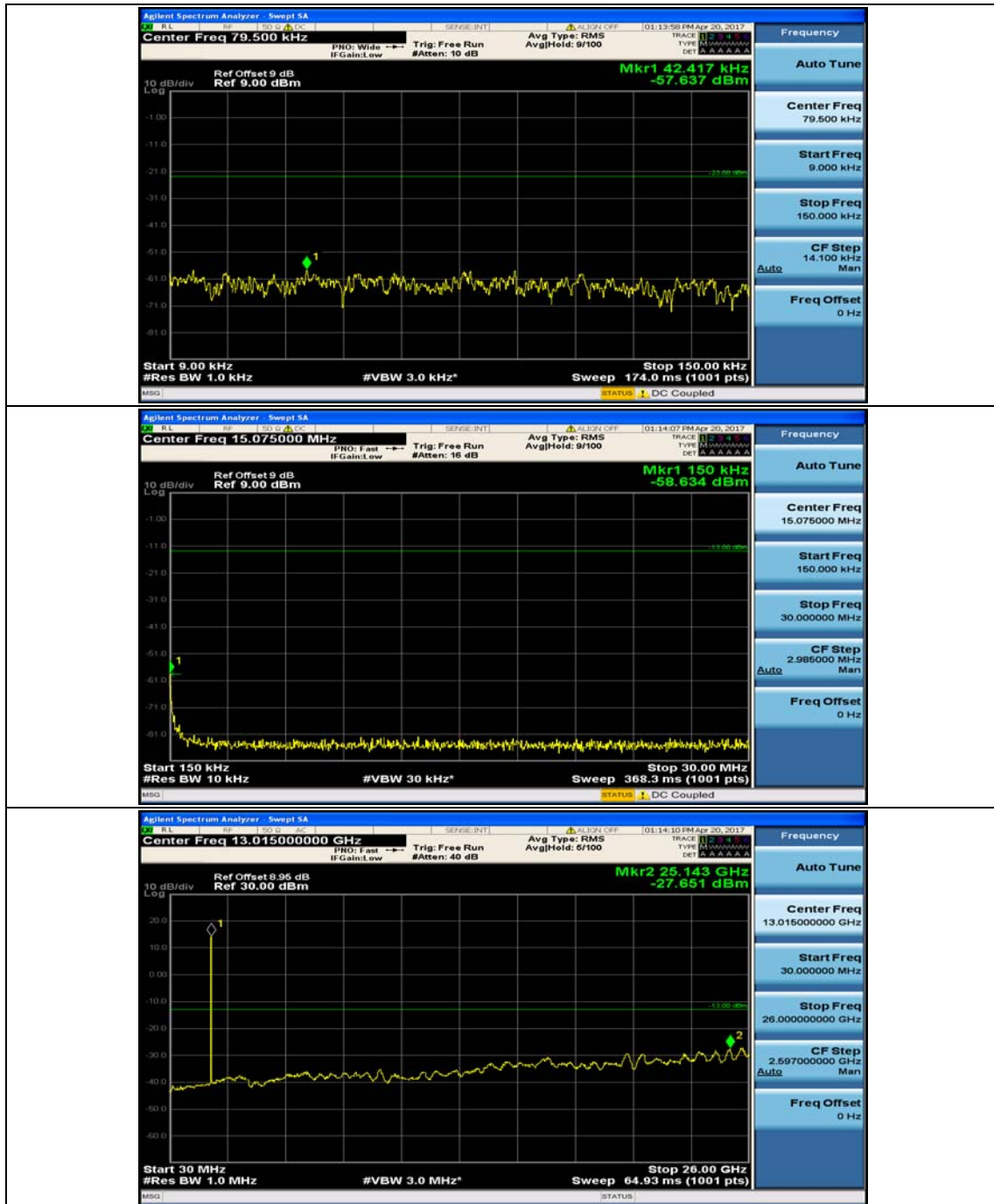


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

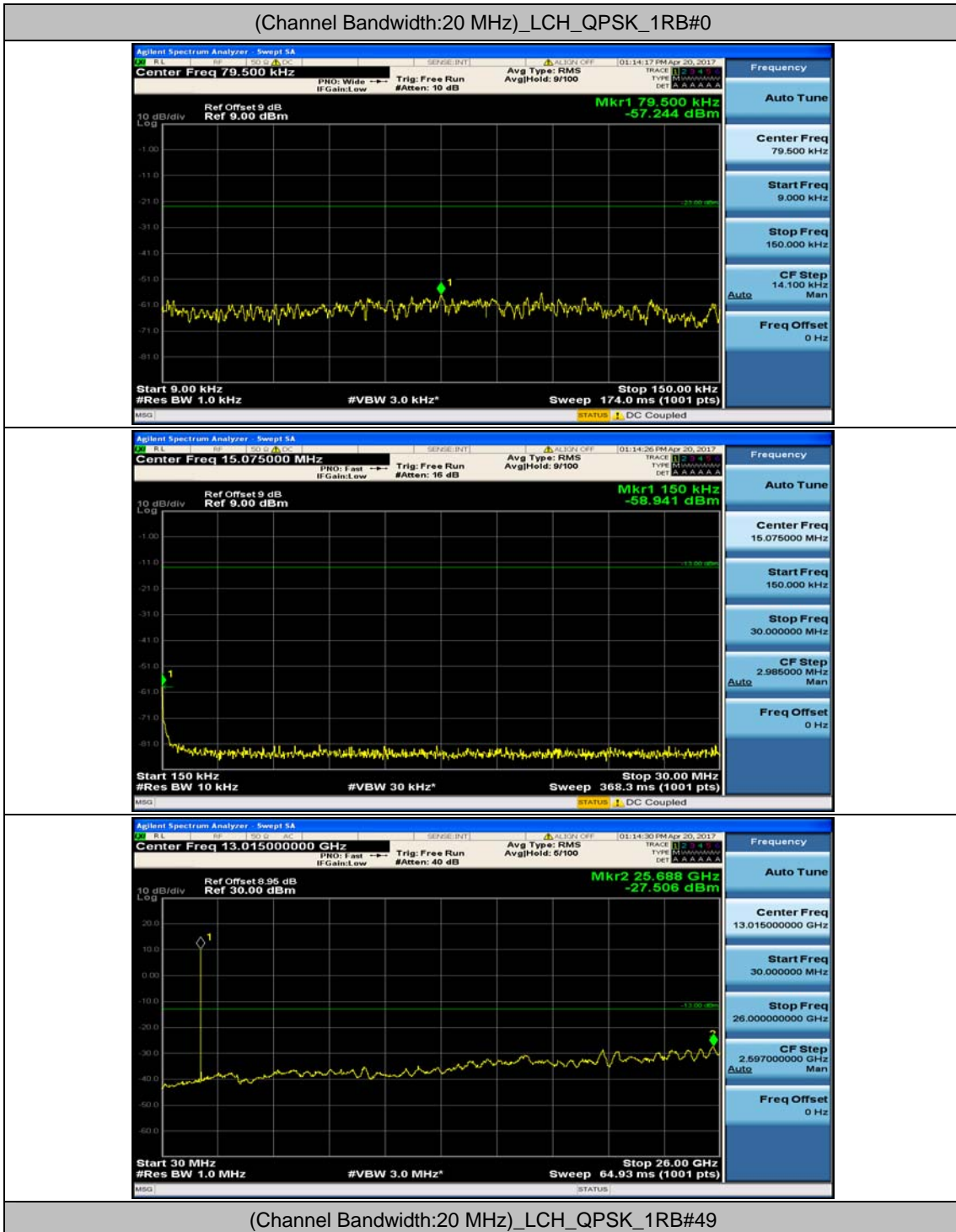


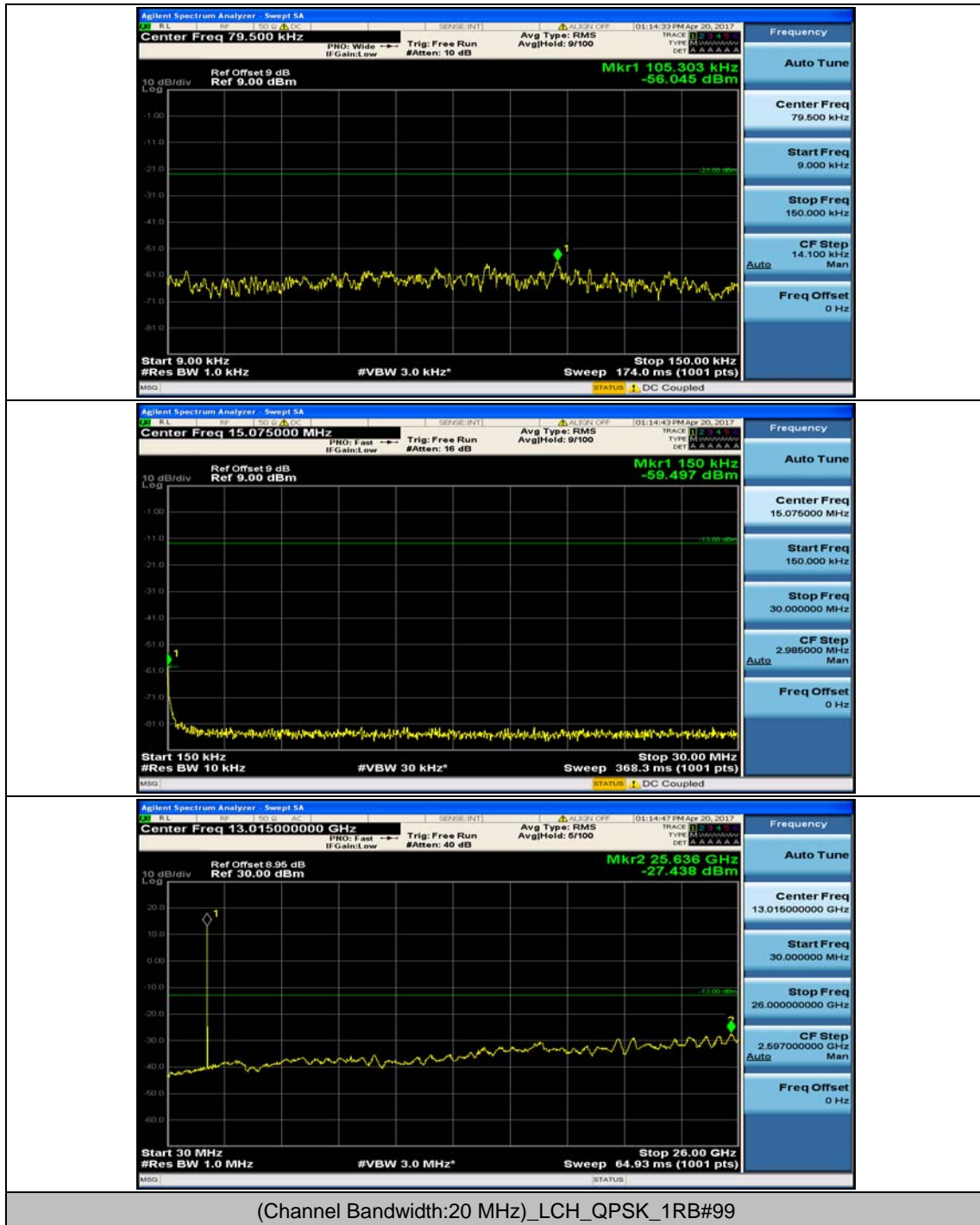
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

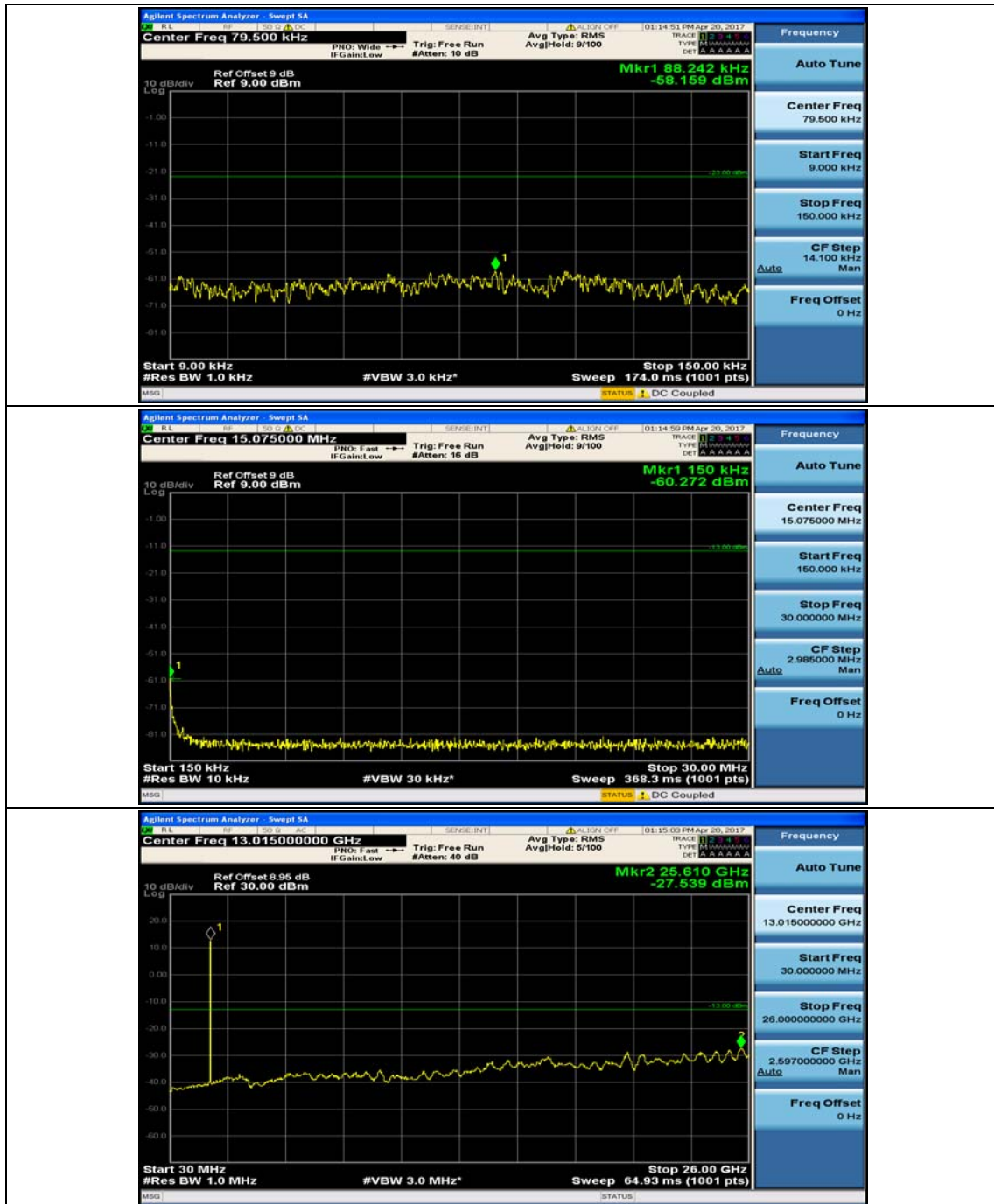




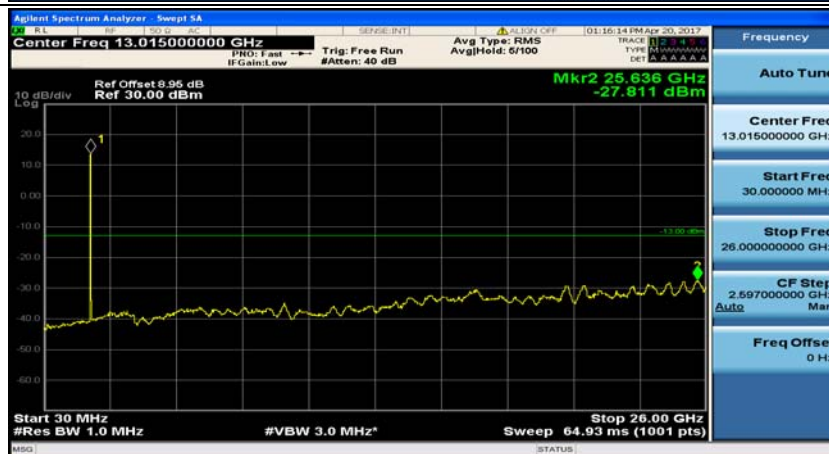
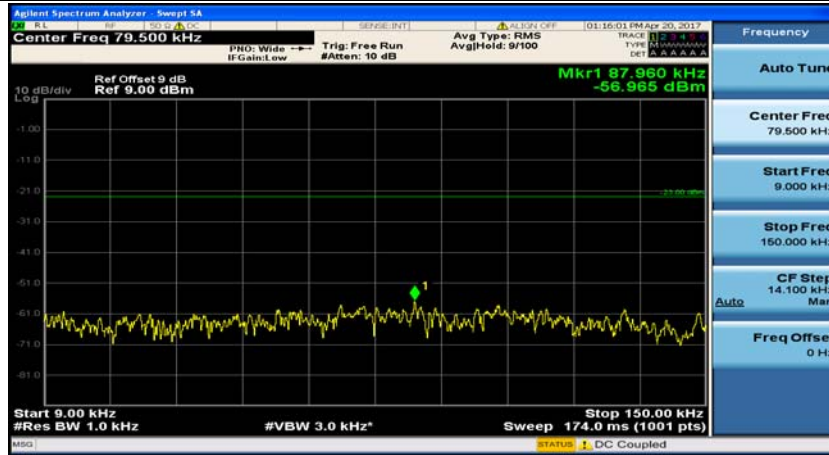
Channel Bandwidth: 20 MHz



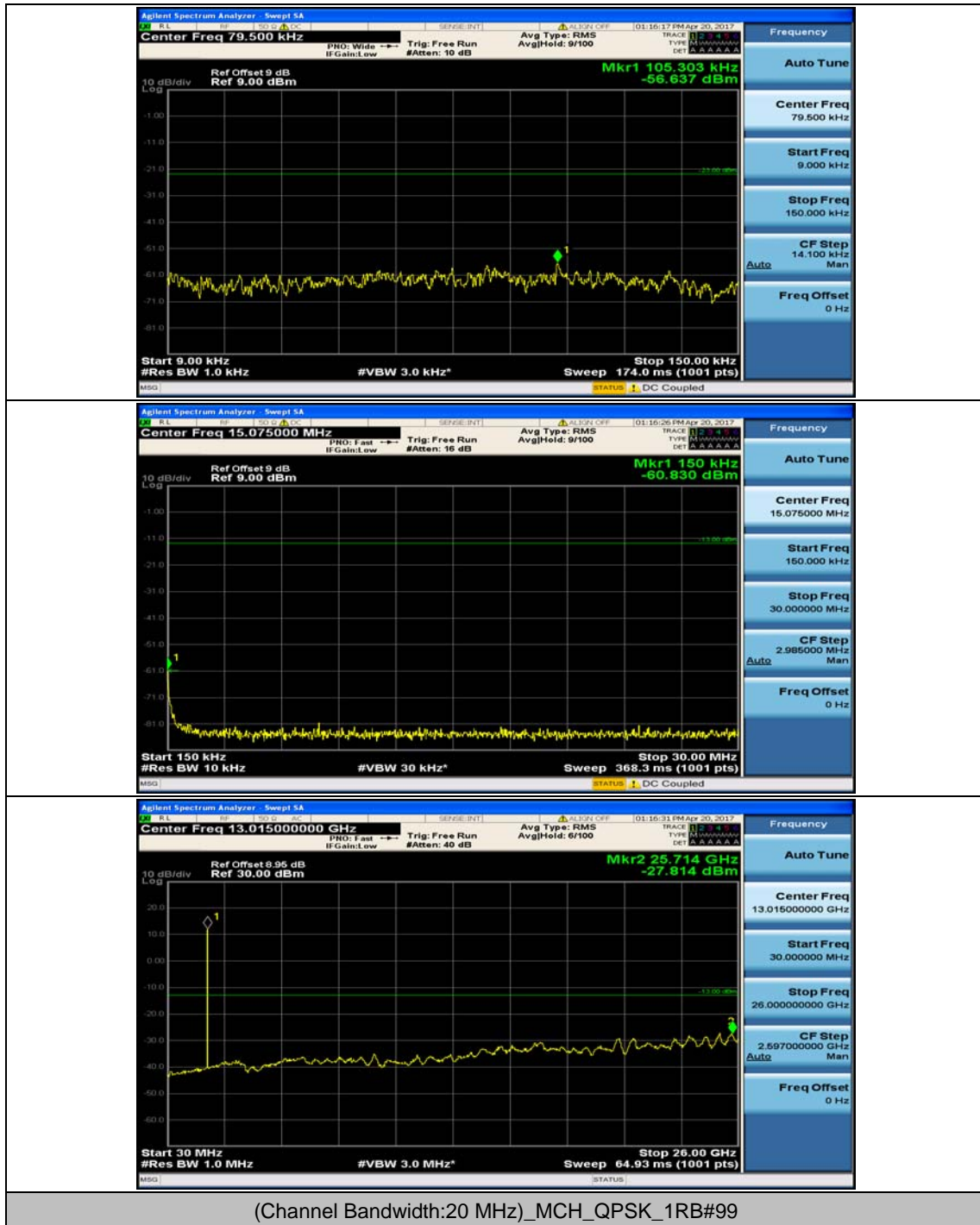


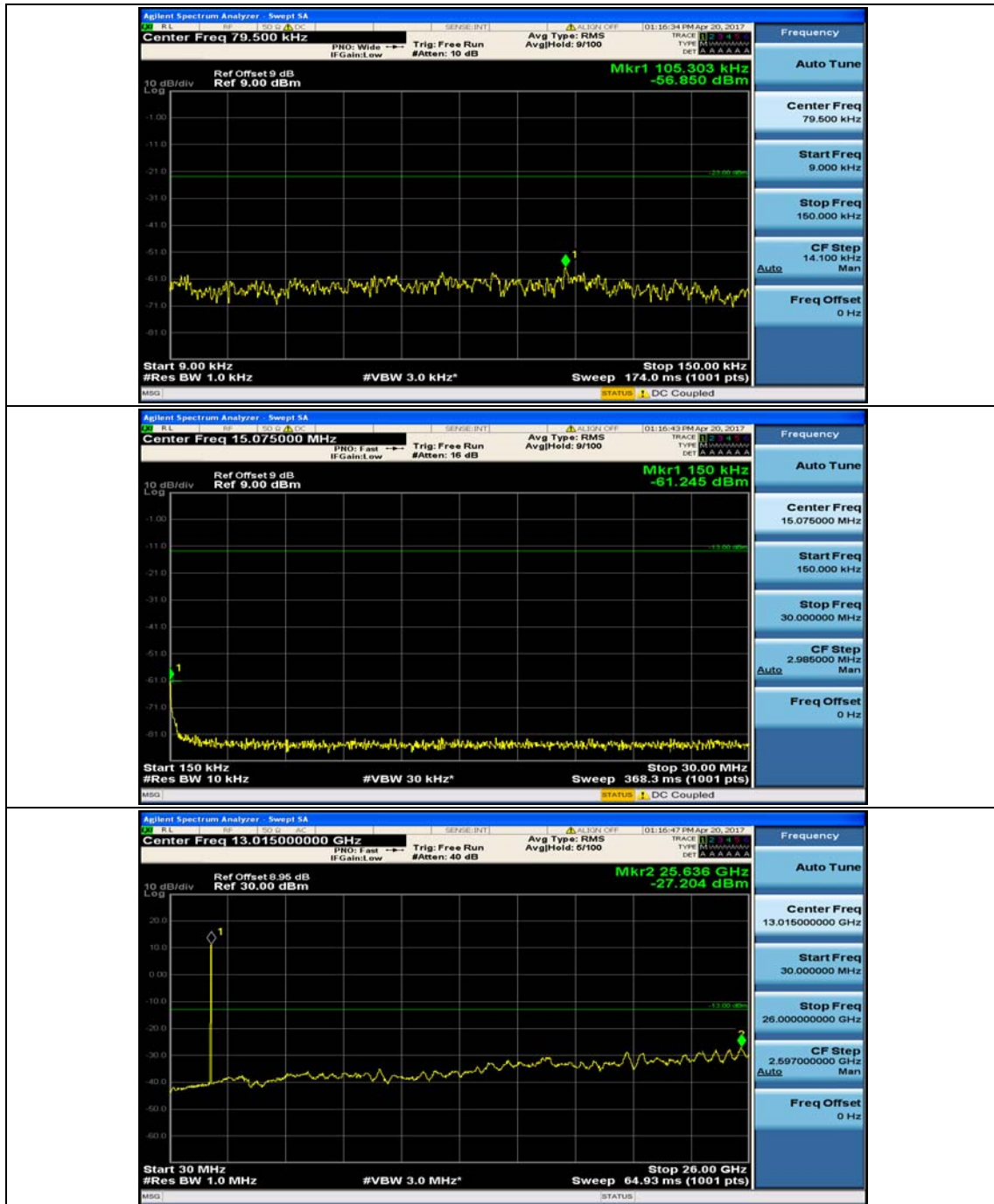


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

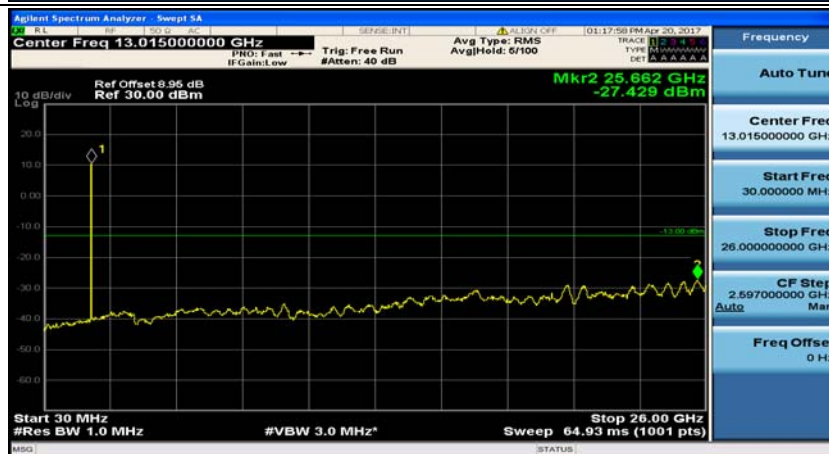
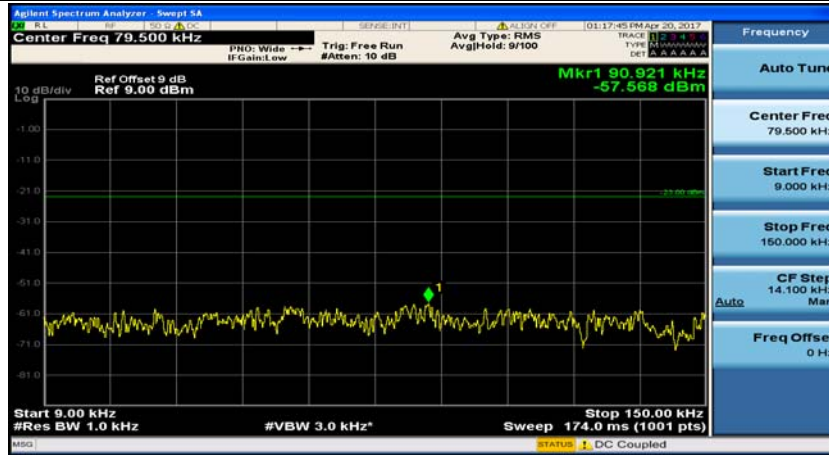


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

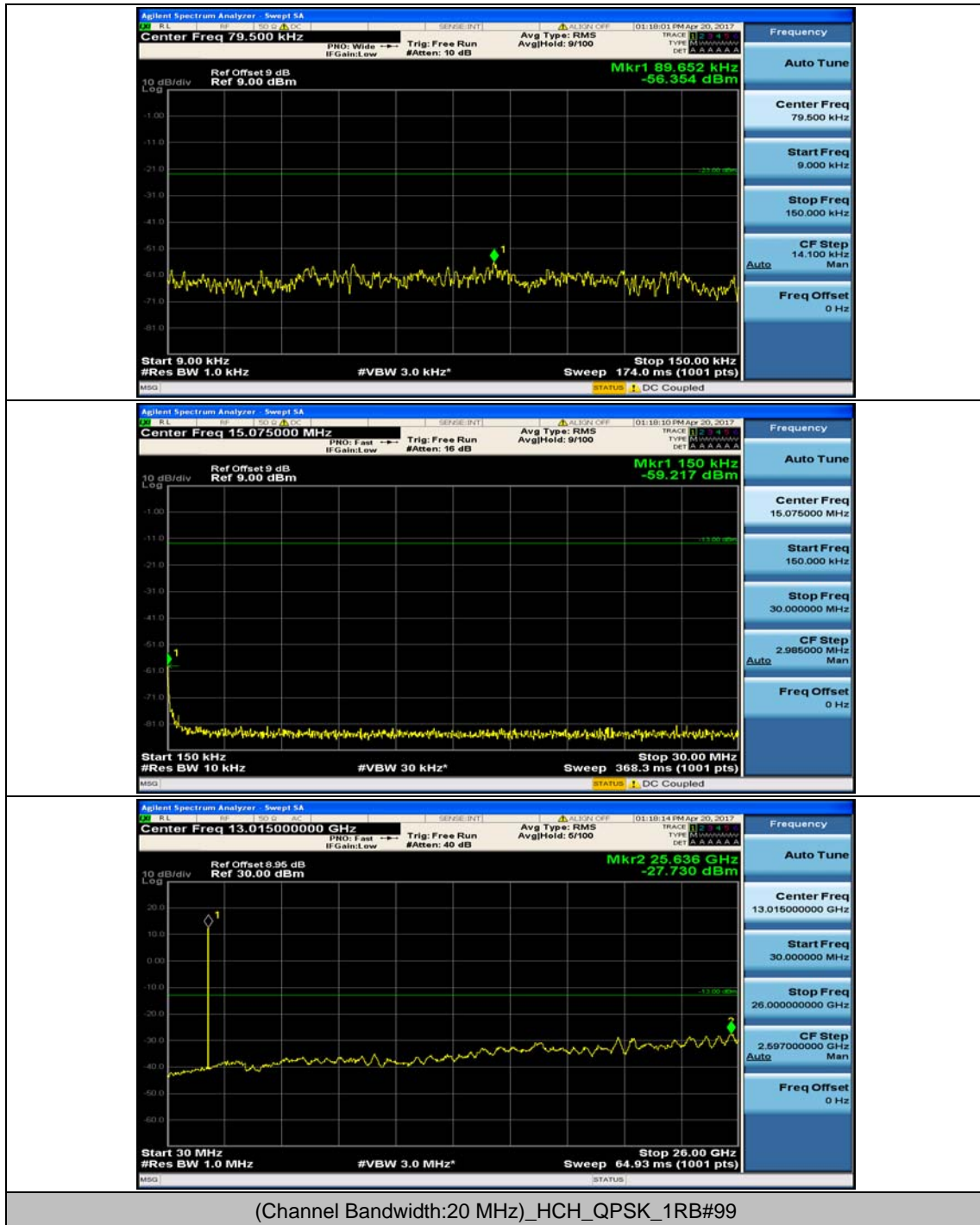


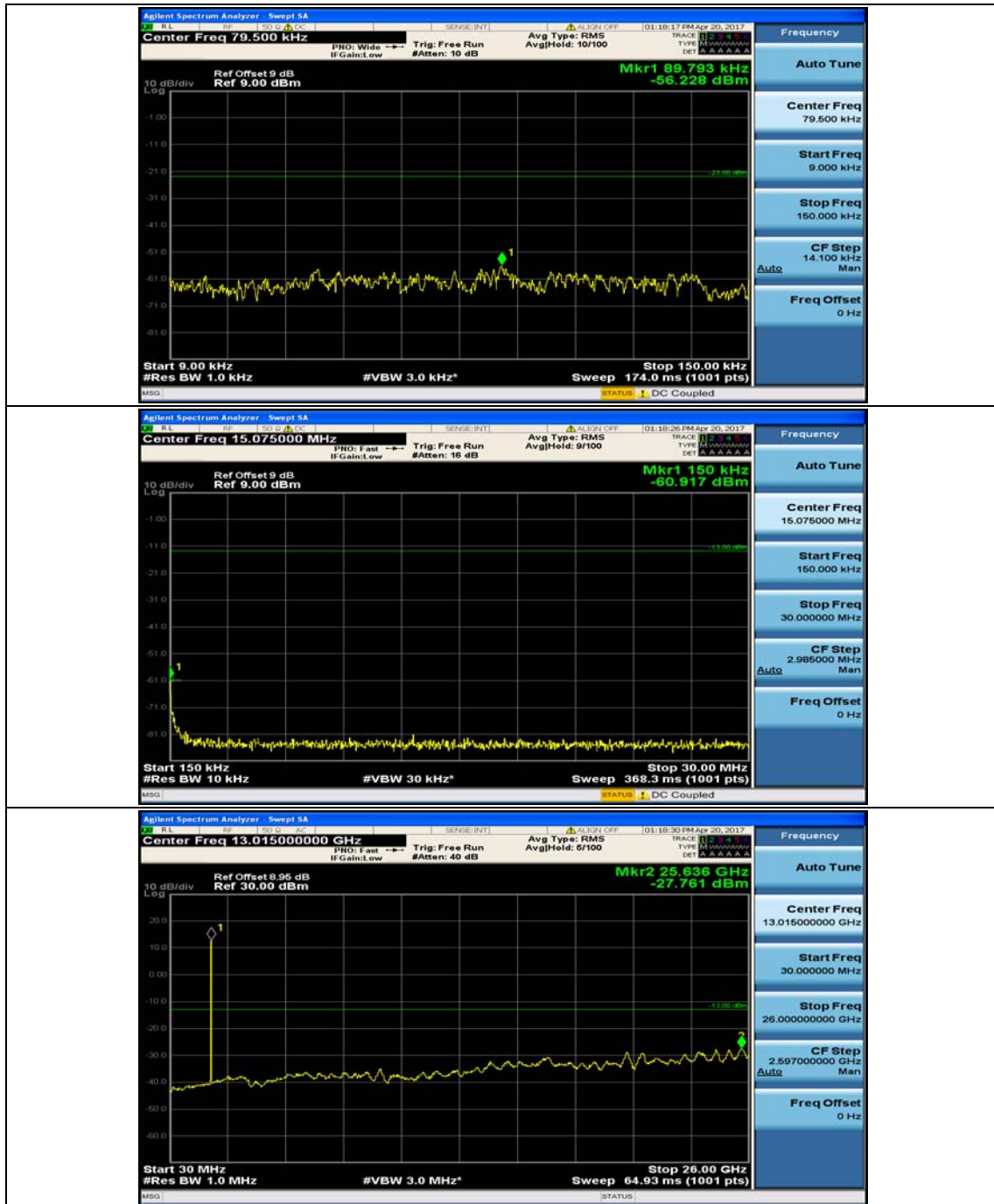


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

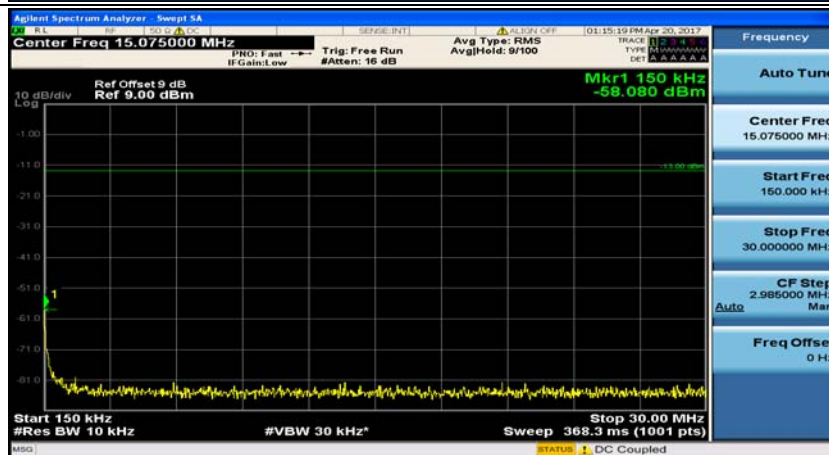
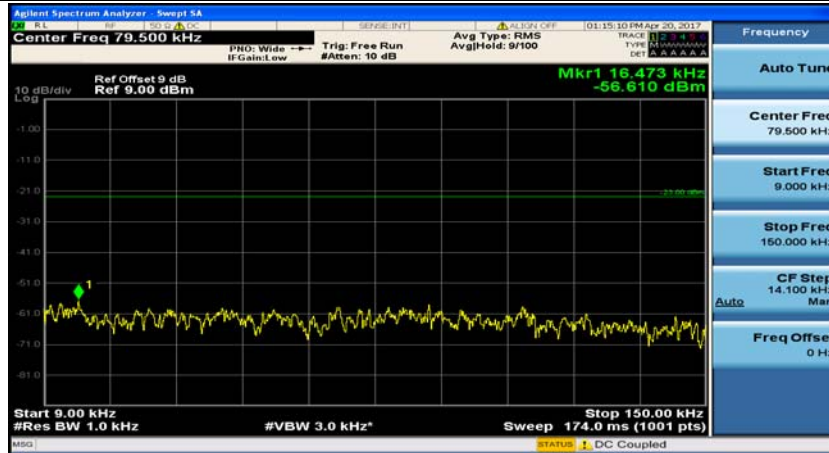


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

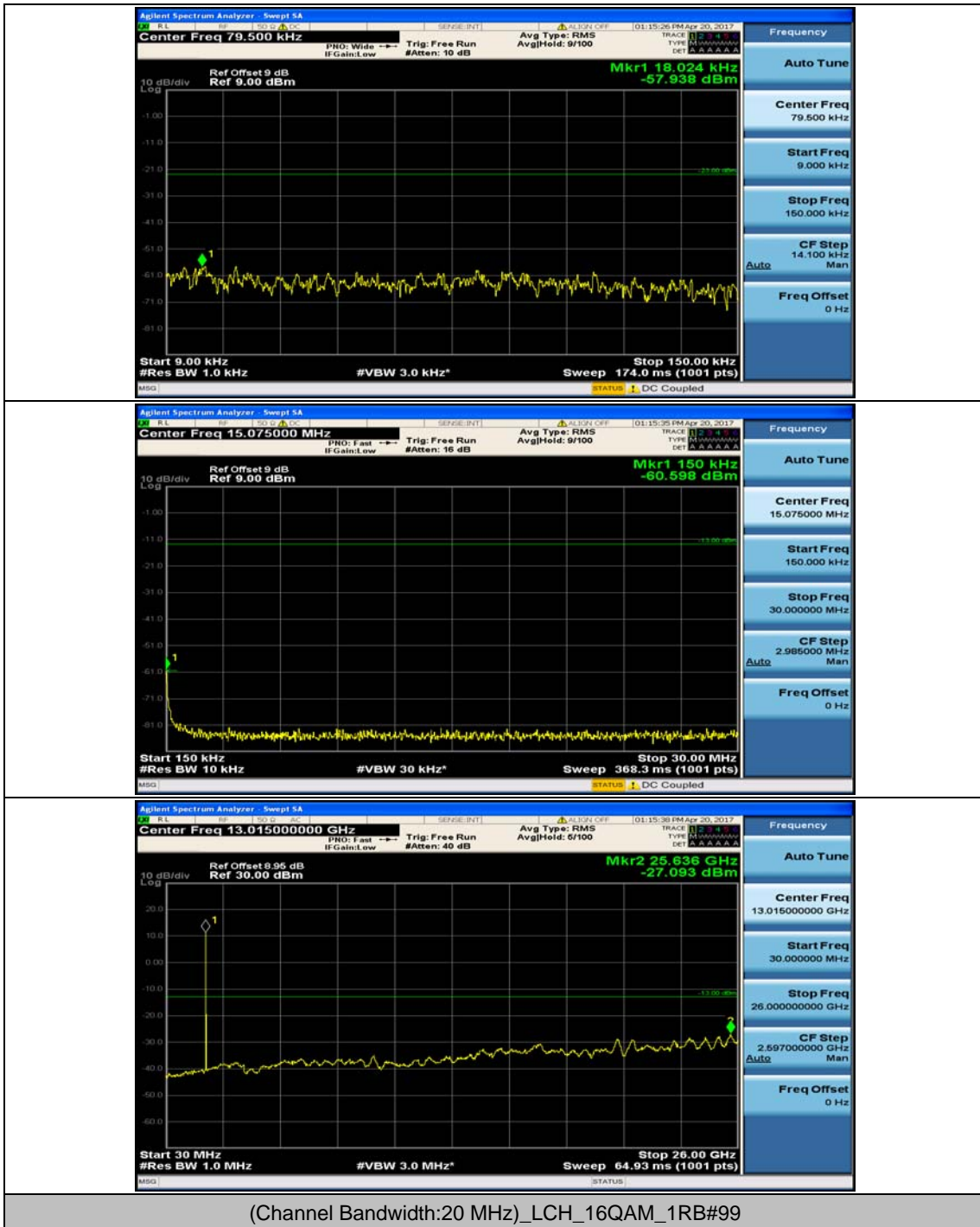


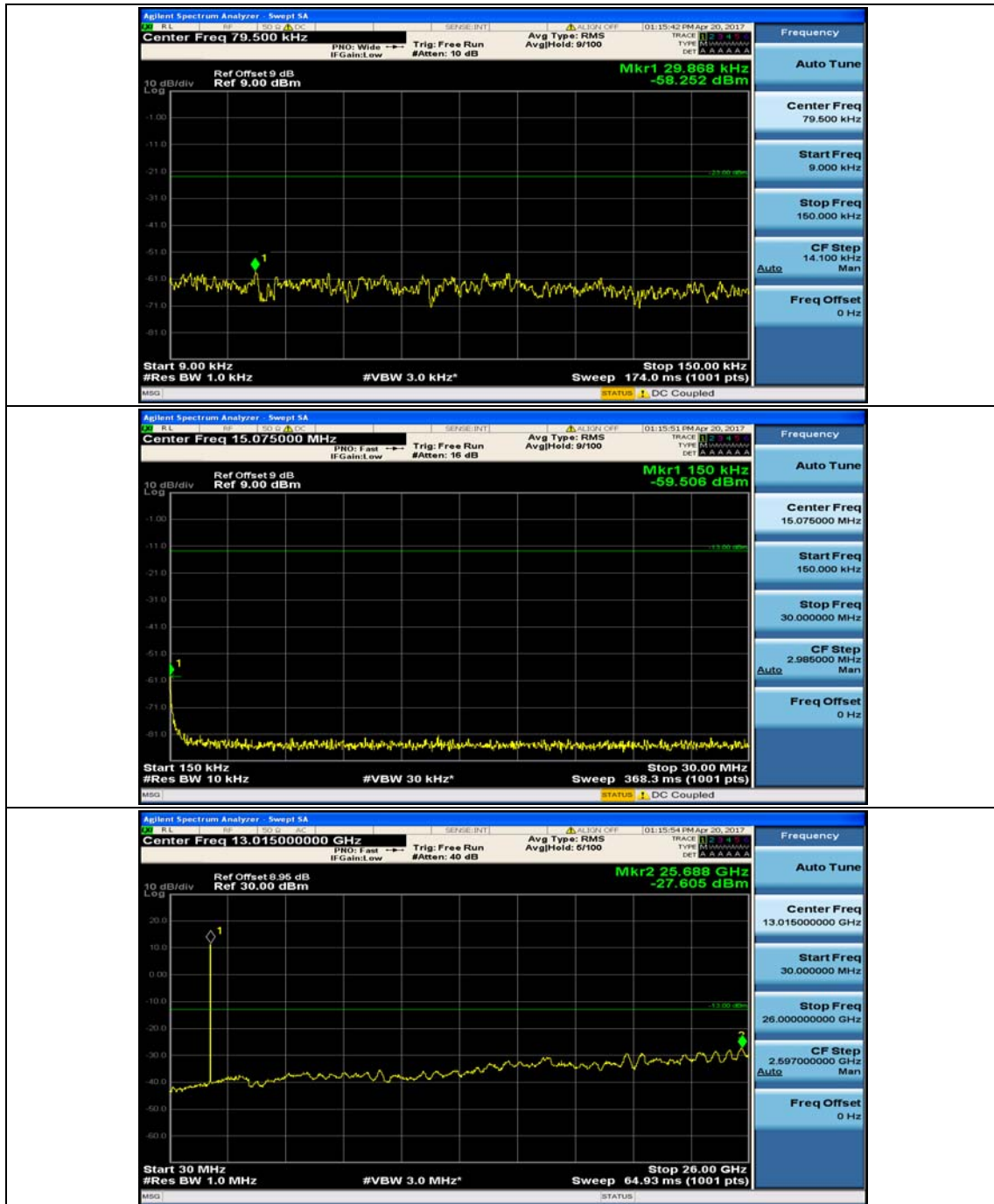


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

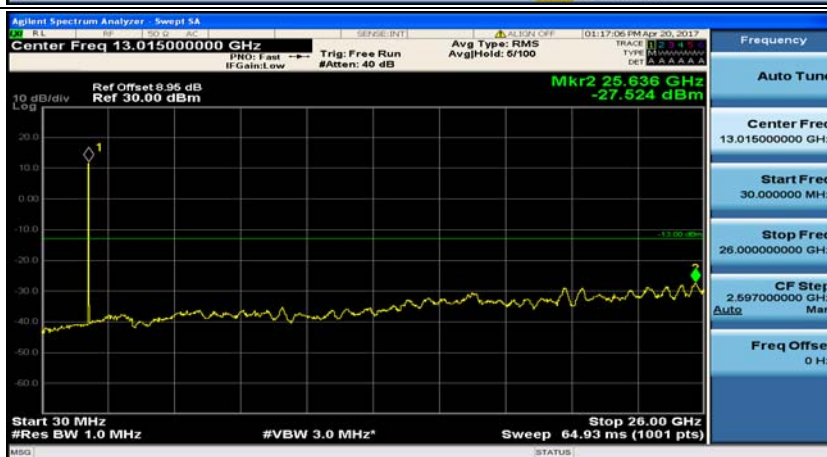
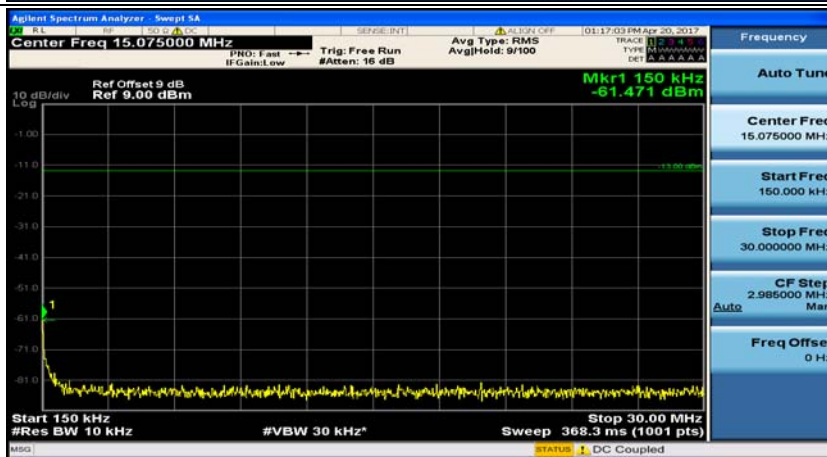


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

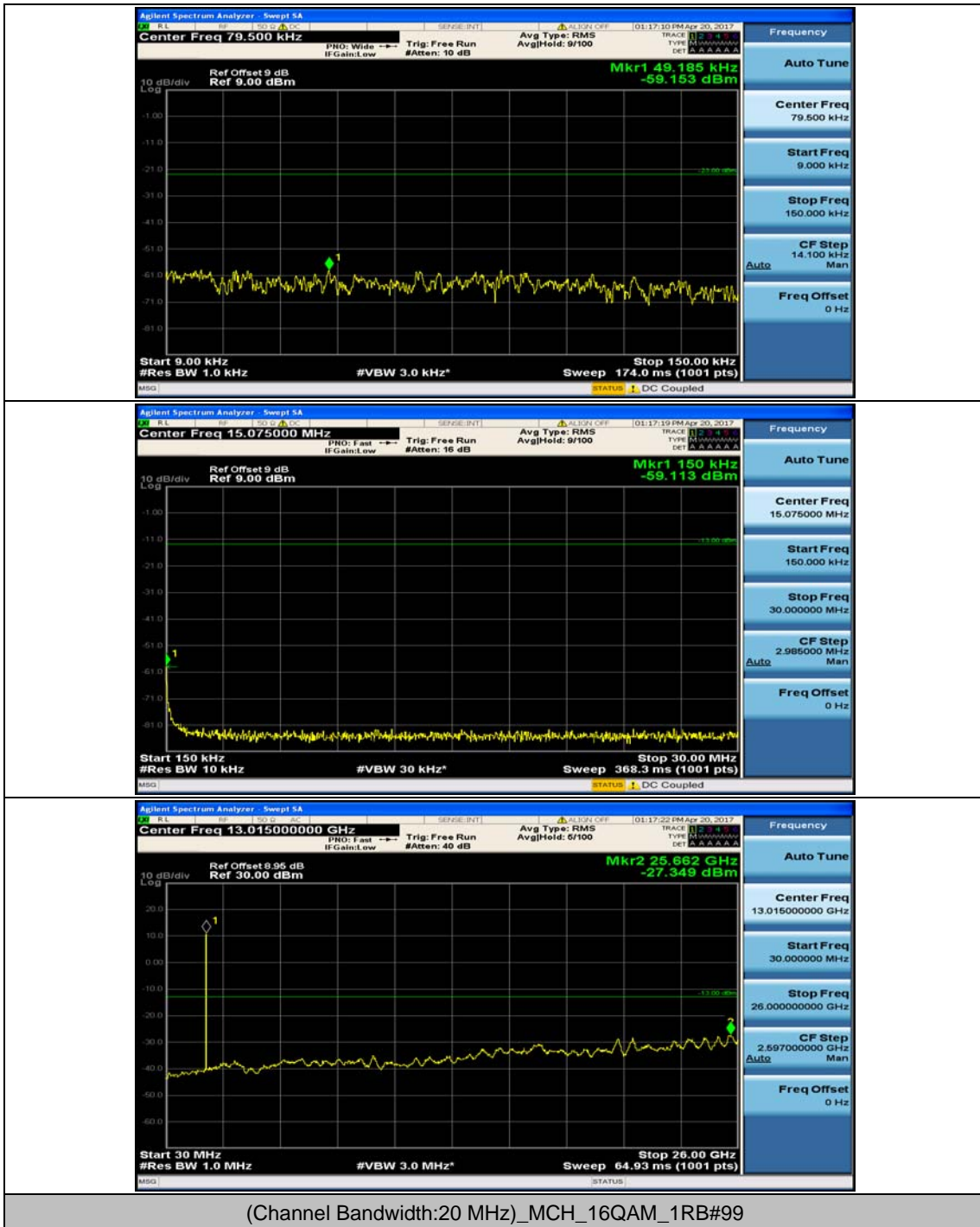


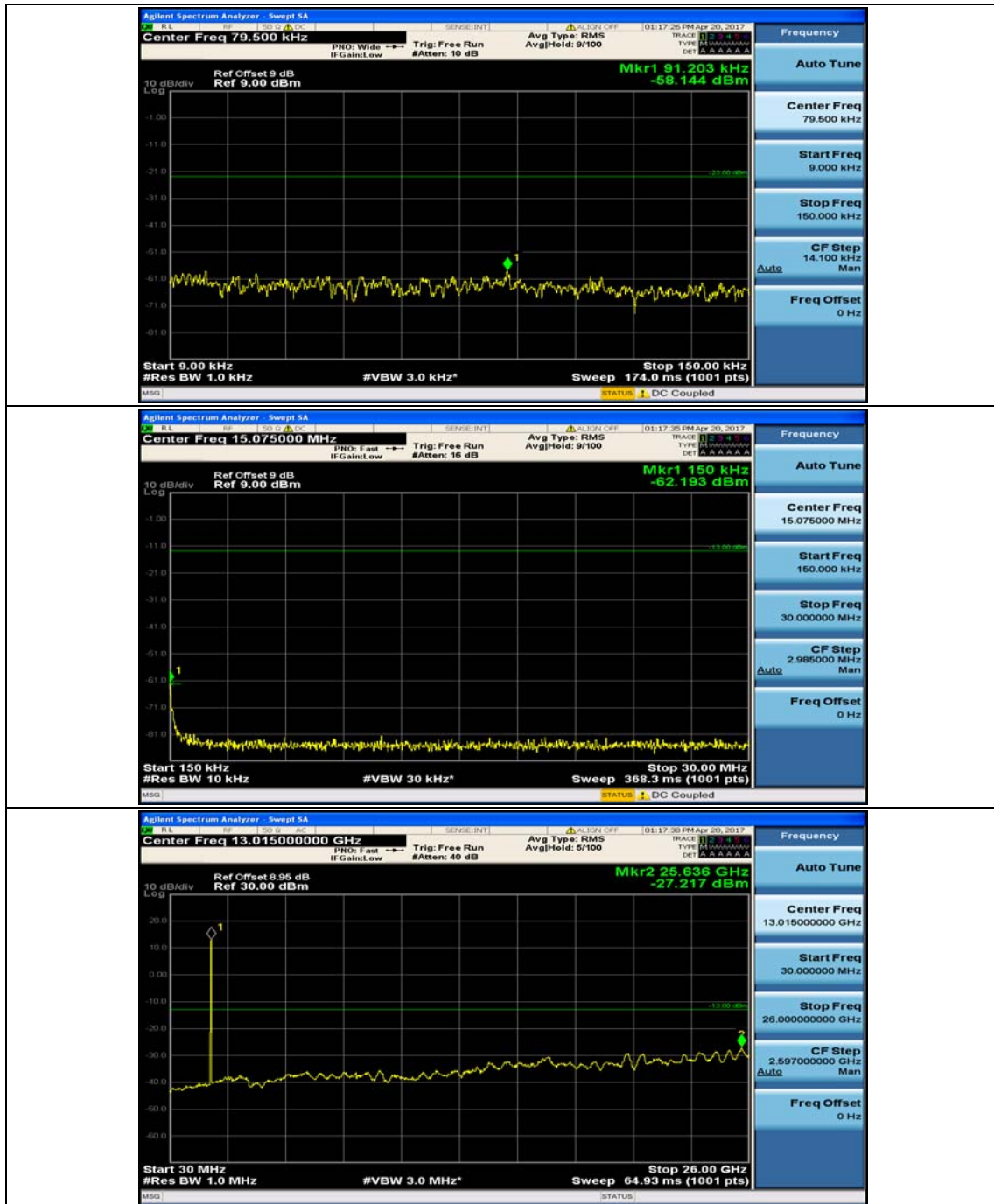


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

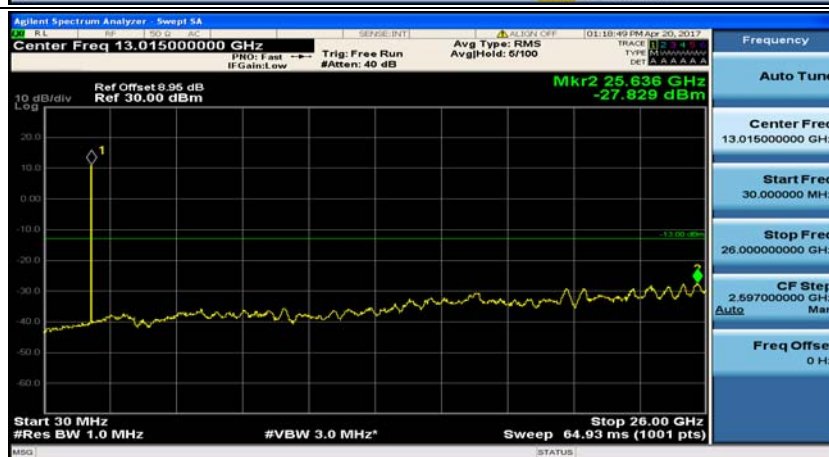


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

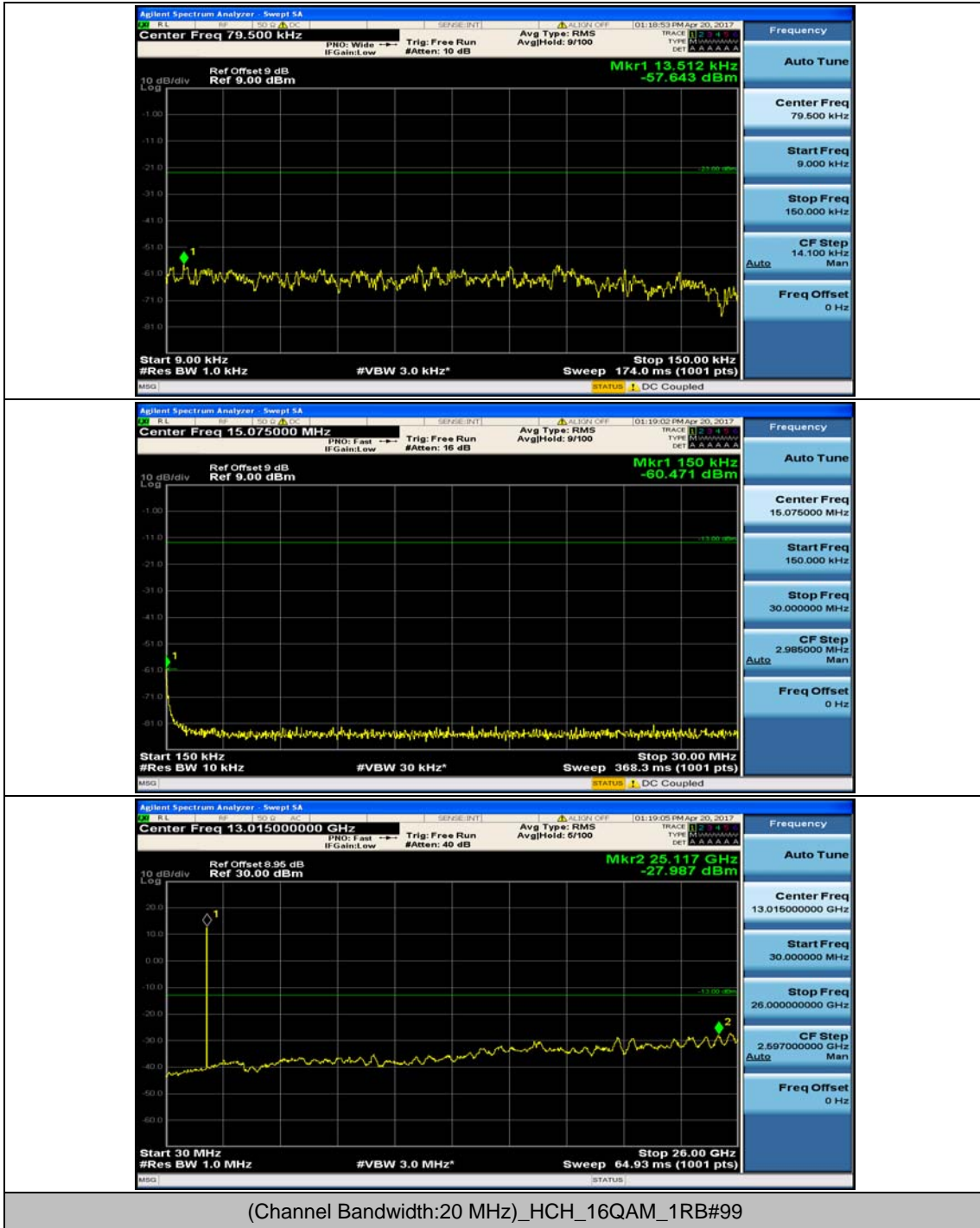


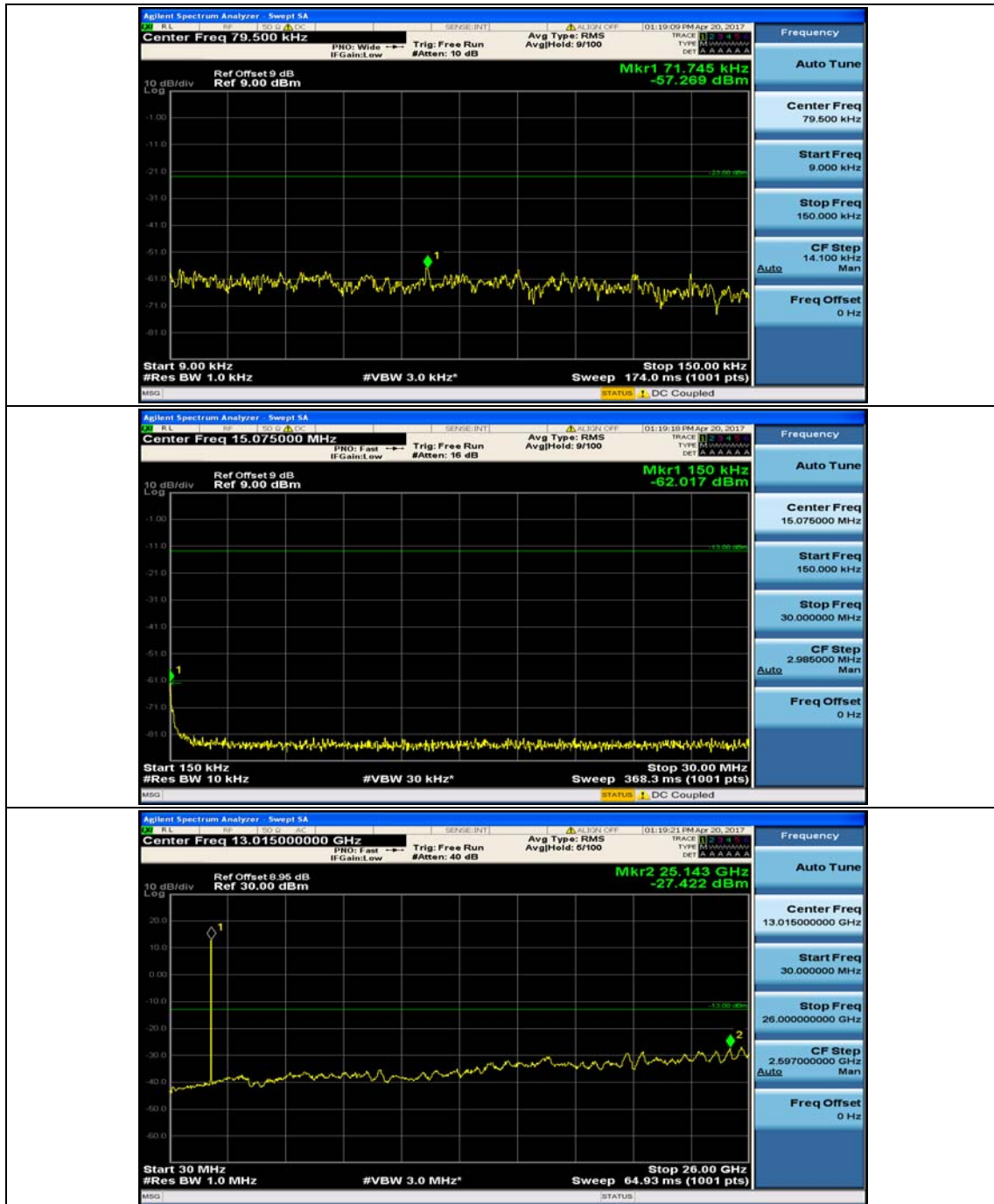


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-1.77	-0.000956	± 2.5	PASS
		VN	TN	-1.07	-0.000578	± 2.5	PASS
		VH	TN	4.44	0.002399	± 2.5	PASS
	MCH	VL	TN	1.52	0.000809	± 2.5	PASS
		VN	TN	-0.99	-0.000527	± 2.5	PASS
		VH	TN	4.82	0.002564	± 2.5	PASS
	HCH	VL	TN	0.42	0.000220	± 2.5	PASS
		VN	TN	-1.5	-0.000786	± 2.5	PASS
		VH	TN	2.55	0.001336	± 2.5	PASS
16QAM	LCH	VL	TN	1.44	0.000778	± 2.5	PASS
		VN	TN	4.35	0.002350	± 2.5	PASS
		VH	TN	0.76	0.000411	± 2.5	PASS
	MCH	VL	TN	2.36	0.001255	± 2.5	PASS
		VN	TN	3.94	0.002096	± 2.5	PASS
		VH	TN	3.98	0.002117	± 2.5	PASS
	HCH	VL	TN	2.66	0.001393	± 2.5	PASS
		VN	TN	0.39	0.000204	± 2.5	PASS
		VH	TN	-0.61	-0.000319	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.41	-0.000222	± 2.5	PASS
		VN	-20	0.99	0.000535	± 2.5	PASS
		VN	-10	3.11	0.001680	± 2.5	PASS
		VN	0	3.39	0.001832	± 2.5	PASS
		VN	10	1.8	0.000973	± 2.5	PASS
		VN	20	3.45	0.001864	± 2.5	PASS
		VN	30	0.99	0.000535	± 2.5	PASS
		VN	40	-1.49	-0.000805	± 2.5	PASS
	MCH	VN	-30	-1.75	-0.000931	± 2.5	PASS
		VN	-20	0.47	0.000250	± 2.5	PASS

		VN	-10	-1.81	-0.000963	± 2.5	PASS	
		VN	0	3.12	0.001660	± 2.5	PASS	
		VN	10	0.28	0.000149	± 2.5	PASS	
		VN	20	4.95	0.002633	± 2.5	PASS	
		VN	30	2.93	0.001559	± 2.5	PASS	
		VN	40	4.02	0.002138	± 2.5	PASS	
		VN	50	2.88	0.001532	± 2.5	PASS	
	HCH	VN	-30	0.52	0.000272	± 2.5	PASS	
		VN	-20	1.31	0.000686	± 2.5	PASS	
		VN	-10	-0.53	-0.000278	± 2.5	PASS	
		VN	0	-0.71	-0.000372	± 2.5	PASS	
		VN	10	-1.7	-0.000890	± 2.5	PASS	
		VN	20	0.08	0.000042	± 2.5	PASS	
		VN	30	0.96	0.000503	± 2.5	PASS	
	16QAM	LCH	VN	40	1.56	0.000817	± 2.5	PASS
			VN	50	0.57	0.000299	± 2.5	PASS
			VN	-30	1.86	0.001005	± 2.5	PASS
			VN	-20	3.99	0.002156	± 2.5	PASS
VN			-10	-0.74	-0.000400	± 2.5	PASS	
VN			0	1.1	0.000594	± 2.5	PASS	
VN			10	4.04	0.002183	± 2.5	PASS	
VN			20	1.35	0.000729	± 2.5	PASS	
VN			30	0.92	0.000497	± 2.5	PASS	
MCH		VN	40	-1.93	-0.001043	± 2.5	PASS	
		VN	50	3.46	0.001870	± 2.5	PASS	
		VN	-30	0.68	0.000362	± 2.5	PASS	
		VN	-20	-0.88	-0.000468	± 2.5	PASS	
		VN	-10	4.17	0.002218	± 2.5	PASS	
		VN	0	-0.58	-0.000309	± 2.5	PASS	
		VN	10	-0.06	-0.000032	± 2.5	PASS	
		VN	20	2.14	0.001138	± 2.5	PASS	
		VN	30	3.96	0.002106	± 2.5	PASS	
HCH	VN	40	-0.91	-0.000484	± 2.5	PASS		
	VN	50	-1.75	-0.000931	± 2.5	PASS		
	VN	-30	1.43	0.000749	± 2.5	PASS		
	VN	-20	4.36	0.002284	± 2.5	PASS		
	VN	-10	0.85	0.000445	± 2.5	PASS		
	VN	0	4.05	0.002121	± 2.5	PASS		
	VN	10	-0.85	-0.000445	± 2.5	PASS		
VN	20	-0.69	-0.000361	± 2.5	PASS			
VN	30	-0.91	-0.000477	± 2.5	PASS			

		VN	40	4.19	0.002195	± 2.5	PASS
		VN	50	-0.2	-0.000105	± 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	2.17	0.001172	± 2.5	PASS
		VN	TN	4.54	0.002452	± 2.5	PASS
		VH	TN	2.28	0.001231	± 2.5	PASS
	MCH	VL	TN	1.32	0.000702	± 2.5	PASS
		VN	TN	-0.98	-0.000521	± 2.5	PASS
		VH	TN	2.59	0.001378	± 2.5	PASS
	HCH	VL	TN	1.61	0.000844	± 2.5	PASS
		VN	TN	0.9	0.000472	± 2.5	PASS
		VH	TN	3.84	0.002012	± 2.5	PASS
16QAM	LCH	VL	TN	-0.01	-0.000005	± 2.5	PASS
		VN	TN	3.72	0.002009	± 2.5	PASS
		VH	TN	3.62	0.001955	± 2.5	PASS
	MCH	VL	TN	4.03	0.002144	± 2.5	PASS
		VN	TN	0.23	0.000122	± 2.5	PASS
		VH	TN	-1.38	-0.000734	± 2.5	PASS
	HCH	VL	TN	0.91	0.000477	± 2.5	PASS
		VN	TN	-1.41	-0.000739	± 2.5	PASS
		VH	TN	-0.46	-0.000241	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.02	-0.000011	± 2.5	PASS
		VN	-20	1.67	0.000902	± 2.5	PASS
		VN	-10	0.72	0.000389	± 2.5	PASS
		VN	0	3.2	0.001728	± 2.5	PASS
		VN	10	2.72	0.001469	± 2.5	PASS
		VN	20	1.32	0.000713	± 2.5	PASS
		VN	30	2.8	0.001512	± 2.5	PASS
		VN	40	2.76	0.001491	± 2.5	PASS
		VN	50	3.39	0.001831	± 2.5	PASS
	MCH	VN	-30	-0.14	-0.000074	± 2.5	PASS
		VN	-20	0.59	0.000314	± 2.5	PASS
		VN	-10	3.56	0.001894	± 2.5	PASS

		VN	0	4.02	0.002138	± 2.5	PASS		
		VN	10	0.36	0.000191	± 2.5	PASS		
		VN	20	1.47	0.000782	± 2.5	PASS		
		VN	30	4.15	0.002207	± 2.5	PASS		
		VN	40	-0.62	-0.000330	± 2.5	PASS		
		VN	50	3.76	0.002000	± 2.5	PASS		
	HCH	VN	-30	2.23	0.001168	± 2.5	PASS		
		VN	-20	4.65	0.002436	± 2.5	PASS		
		VN	-10	0.32	0.000168	± 2.5	PASS		
		VN	0	4.58	0.002400	± 2.5	PASS		
		VN	10	0.5	0.000262	± 2.5	PASS		
		VN	20	3.87	0.002028	± 2.5	PASS		
		VN	30	-1.21	-0.000634	± 2.5	PASS		
		VN	40	-0.98	-0.000513	± 2.5	PASS		
		VN	50	0.96	0.000503	± 2.5	PASS		
		16QAM	LCH	VN	-30	2.85	0.001539	± 2.5	PASS
				VN	-20	3.12	0.001685	± 2.5	PASS
				VN	-10	1.8	0.000972	± 2.5	PASS
VN	0			1.25	0.000675	± 2.5	PASS		
VN	10			-1.56	-0.000843	± 2.5	PASS		
VN	20			0.65	0.000351	± 2.5	PASS		
VN	30			1.59	0.000859	± 2.5	PASS		
VN	40			-1.59	-0.000859	± 2.5	PASS		
VN	50			4.88	0.002636	± 2.5	PASS		
MCH	VN		-30	-1.11	-0.000590	± 2.5	PASS		
	VN		-20	1.77	0.000941	± 2.5	PASS		
	VN		-10	-1.84	-0.000979	± 2.5	PASS		
	VN		0	-0.91	-0.000484	± 2.5	PASS		
	VN		10	-1.4	-0.000745	± 2.5	PASS		
	VN		20	0.66	0.000351	± 2.5	PASS		
	VN		30	1.78	0.000947	± 2.5	PASS		
	VN		40	0.46	0.000245	± 2.5	PASS		
	VN		50	1.88	0.001000	± 2.5	PASS		
HCH	VN		-30	-1.68	-0.000880	± 2.5	PASS		
	VN		-20	-0.21	-0.000110	± 2.5	PASS		
	VN		-10	3.49	0.001829	± 2.5	PASS		
	VN		0	-0.74	-0.000388	± 2.5	PASS		
	VN		10	0	0.000000	± 2.5	PASS		
	VN		20	4.85	0.002541	± 2.5	PASS		
	VN		30	2.14	0.001121	± 2.5	PASS		
	VN		40	0.13	0.000068	± 2.5	PASS		

		VN	50	1.49	0.000781	± 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	4.95	0.002672	± 2.5	PASS
		VN	TN	0.44	0.000238	± 2.5	PASS
		VH	TN	3.94	0.002127	± 2.5	PASS
	MCH	VL	TN	-0.71	-0.000378	± 2.5	PASS
		VN	TN	-0.06	-0.000032	± 2.5	PASS
		VH	TN	2.8	0.001489	± 2.5	PASS
	HCH	VL	TN	3.95	0.002071	± 2.5	PASS
		VN	TN	-0.66	-0.000346	± 2.5	PASS
		VH	TN	-0.84	-0.000440	± 2.5	PASS
16QAM	LCH	VL	TN	-1.16	-0.000626	± 2.5	PASS
		VN	TN	1.77	0.000955	± 2.5	PASS
		VH	TN	-0.44	-0.000238	± 2.5	PASS
	MCH	VL	TN	0.8	0.000426	± 2.5	PASS
		VN	TN	-1.47	-0.000782	± 2.5	PASS
		VH	TN	2.05	0.001090	± 2.5	PASS
	HCH	VL	TN	4.83	0.002532	± 2.5	PASS
		VN	TN	3.28	0.001720	± 2.5	PASS
		VH	TN	1.52	0.000797	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.27	-0.000686	± 2.5	PASS
		VN	-20	4.85	0.002618	± 2.5	PASS
		VN	-10	0.94	0.000507	± 2.5	PASS
		VN	0	0.74	0.000399	± 2.5	PASS
		VN	10	2.55	0.001377	± 2.5	PASS
		VN	20	4.68	0.002526	± 2.5	PASS
		VN	30	0.88	0.000475	± 2.5	PASS
		VN	40	2.16	0.001166	± 2.5	PASS
		VN	50	-1.79	-0.000966	± 2.5	PASS
	MCH	VN	-30	2.5	0.001330	± 2.5	PASS
		VN	-20	3.85	0.002048	± 2.5	PASS
		VN	-10	2.97	0.001580	± 2.5	PASS
		VN	0	0.57	0.000303	± 2.5	PASS

		VN	10	-1	-0.000532	± 2.5	PASS		
		VN	20	1.05	0.000559	± 2.5	PASS		
		VN	30	1.47	0.000782	± 2.5	PASS		
		VN	40	3.03	0.001612	± 2.5	PASS		
		VN	50	3.57	0.001899	± 2.5	PASS		
	HCH	VN	-30	1.4	0.000734	± 2.5	PASS		
		VN	-20	3.04	0.001594	± 2.5	PASS		
		VN	-10	4.99	0.002616	± 2.5	PASS		
		VN	0	1.93	0.001012	± 2.5	PASS		
		VN	10	-1.83	-0.000959	± 2.5	PASS		
		VN	20	3.65	0.001913	± 2.5	PASS		
		VN	30	-1.94	-0.001017	± 2.5	PASS		
		VN	40	3.84	0.002013	± 2.5	PASS		
		VN	50	-0.03	-0.000016	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.19	-0.000642	± 2.5	PASS
				VN	-20	1.05	0.000567	± 2.5	PASS
VN	-10			1.31	0.000707	± 2.5	PASS		
VN	0			4.06	0.002192	± 2.5	PASS		
VN	10			3.49	0.001884	± 2.5	PASS		
VN	20			-1.58	-0.000853	± 2.5	PASS		
VN	30			2.69	0.001452	± 2.5	PASS		
VN	40			2.18	0.001177	± 2.5	PASS		
VN	50			-1.19	-0.000642	± 2.5	PASS		
MCH	VN		-30	3.35	0.001782	± 2.5	PASS		
	VN		-20	0.08	0.000043	± 2.5	PASS		
	VN		-10	-0.27	-0.000144	± 2.5	PASS		
	VN		0	-1.99	-0.001059	± 2.5	PASS		
	VN		10	-0.23	-0.000122	± 2.5	PASS		
	VN		20	-1.63	-0.000867	± 2.5	PASS		
	VN		30	0.11	0.000059	± 2.5	PASS		
	VN		40	2.92	0.001553	± 2.5	PASS		
	VN		50	3.05	0.001622	± 2.5	PASS		
HCH	VN		-30	1.17	0.000613	± 2.5	PASS		
	VN		-20	-0.76	-0.000398	± 2.5	PASS		
	VN		-10	1.63	0.000855	± 2.5	PASS		
	VN		0	1.57	0.000823	± 2.5	PASS		
	VN		10	4.86	0.002548	± 2.5	PASS		
	VN		20	1.67	0.000875	± 2.5	PASS		
	VN		30	4.77	0.002501	± 2.5	PASS		
	VN		40	1.69	0.000886	± 2.5	PASS		
	VN		50	2.98	0.001562	± 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	-0.68	-0.000367	± 2.5	PASS
		VN	TN	2.62	0.001412	± 2.5	PASS
		VH	TN	4.65	0.002507	± 2.5	PASS
	MCH	VL	TN	-1.69	-0.000899	± 2.5	PASS
		VN	TN	3.96	0.002106	± 2.5	PASS
		VH	TN	0.75	0.000399	± 2.5	PASS
	HCH	VL	TN	-1.73	-0.000908	± 2.5	PASS
		VN	TN	2.5	0.001312	± 2.5	PASS
		VH	TN	0.02	0.000010	± 2.5	PASS
16QAM	LCH	VL	TN	-0.4	-0.000216	± 2.5	PASS
		VN	TN	1.19	0.000642	± 2.5	PASS
		VH	TN	0.63	0.000340	± 2.5	PASS
	MCH	VL	TN	-0.52	-0.000277	± 2.5	PASS
		VN	TN	0.85	0.000452	± 2.5	PASS
		VH	TN	-0.09	-0.000048	± 2.5	PASS
	HCH	VL	TN	4.5	0.002362	± 2.5	PASS
		VN	TN	0.34	0.000178	± 2.5	PASS
		VH	TN	-0.05	-0.000026	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.52	0.002437	± 2.5	PASS
		VN	-20	1.81	0.000976	± 2.5	PASS
		VN	-10	-1.55	-0.000836	± 2.5	PASS
		VN	0	4.38	0.002361	± 2.5	PASS
		VN	10	-1.26	-0.000679	± 2.5	PASS
		VN	20	1.94	0.001046	± 2.5	PASS
		VN	30	2.64	0.001423	± 2.5	PASS
		VN	40	4.61	0.002485	± 2.5	PASS
		VN	50	4.74	0.002555	± 2.5	PASS
	MCH	VN	-30	-1.49	-0.000793	± 2.5	PASS
		VN	-20	0.03	0.000016	± 2.5	PASS
		VN	-10	-1.74	-0.000926	± 2.5	PASS
		VN	0	-1.95	-0.001037	± 2.5	PASS
		VN	10	-1.65	-0.000878	± 2.5	PASS
		VN	20	2.63	0.001399	± 2.5	PASS

		VN	30	1.36	0.000723	± 2.5	PASS
		VN	40	4.76	0.002532	± 2.5	PASS
		VN	50	2.35	0.001250	± 2.5	PASS
	HCH	VN	-30	-0.5	-0.000262	± 2.5	PASS
		VN	-20	1.57	0.000824	± 2.5	PASS
		VN	-10	0.65	0.000341	± 2.5	PASS
		VN	0	4.8	0.002520	± 2.5	PASS
		VN	10	1.46	0.000766	± 2.5	PASS
		VN	20	4.59	0.002409	± 2.5	PASS
		VN	30	3.63	0.001906	± 2.5	PASS
		VN	40	0.8	0.000420	± 2.5	PASS
		VN	50	1.51	0.000793	± 2.5	PASS
16QAM	LCH	VN	-30	4.87	0.002625	± 2.5	PASS
		VN	-20	4.21	0.002270	± 2.5	PASS
		VN	-10	3.46	0.001865	± 2.5	PASS
		VN	0	3.33	0.001795	± 2.5	PASS
		VN	10	4.59	0.002474	± 2.5	PASS
		VN	20	0.04	0.000022	± 2.5	PASS
		VN	30	4.98	0.002685	± 2.5	PASS
		VN	40	-1.08	-0.000582	± 2.5	PASS
	MCH	VN	50	2.78	0.001499	± 2.5	PASS
		VN	-30	1.09	0.000580	± 2.5	PASS
		VN	-20	-1.73	-0.000920	± 2.5	PASS
		VN	-10	4.47	0.002378	± 2.5	PASS
		VN	0	0.88	0.000468	± 2.5	PASS
		VN	10	1.02	0.000543	± 2.5	PASS
		VN	20	1.82	0.000968	± 2.5	PASS
		VN	30	-1.75	-0.000931	± 2.5	PASS
		VN	40	0.67	0.000356	± 2.5	PASS
	HCH	VN	50	2	0.001064	± 2.5	PASS
		VN	-30	4.09	0.002147	± 2.5	PASS
		VN	-20	2.85	0.001496	± 2.5	PASS
		VN	-10	0.77	0.000404	± 2.5	PASS
		VN	0	4.69	0.002462	± 2.5	PASS
		VN	10	3.65	0.001916	± 2.5	PASS
		VN	20	-1.91	-0.001003	± 2.5	PASS
VN		30	2.83	0.001486	± 2.5	PASS	
	VN	40	1.33	0.000698	± 2.5	PASS	
	VN	50	-1.02	-0.000535	± 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	2.98	0.001604	± 2.5	PASS
		VN	TN	4.21	0.002266	± 2.5	PASS
		VH	TN	0.11	0.000059	± 2.5	PASS
	MCH	VL	TN	3.48	0.001851	± 2.5	PASS
		VN	TN	2.4	0.001277	± 2.5	PASS
		VH	TN	3.33	0.001771	± 2.5	PASS
	HCH	VL	TN	1.15	0.000604	± 2.5	PASS
		VN	TN	3.54	0.001861	± 2.5	PASS
		VH	TN	-0.89	-0.000468	± 2.5	PASS
16QAM	LCH	VL	TN	2.09	0.001125	± 2.5	PASS
		VN	TN	1.22	0.000657	± 2.5	PASS
		VH	TN	2.77	0.001491	± 2.5	PASS
	MCH	VL	TN	0.49	0.000261	± 2.5	PASS
		VN	TN	1.48	0.000787	± 2.5	PASS
		VH	TN	4.88	0.002596	± 2.5	PASS
	HCH	VL	TN	-1.13	-0.000594	± 2.5	PASS
		VN	TN	-1.58	-0.000830	± 2.5	PASS
		VH	TN	3.67	0.001929	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.24	0.000668	± 2.5	PASS
		VN	-20	-1.74	-0.000937	± 2.5	PASS
		VN	-10	0.51	0.000275	± 2.5	PASS
		VN	0	2.16	0.001163	± 2.5	PASS
		VN	10	3.26	0.001755	± 2.5	PASS
		VN	20	4.38	0.002358	± 2.5	PASS
		VN	30	4.83	0.002600	± 2.5	PASS
		VN	40	1.07	0.000576	± 2.5	PASS
		VN	50	1.94	0.001044	± 2.5	PASS
	MCH	VN	-30	2.52	0.001340	± 2.5	PASS
		VN	-20	1.56	0.000830	± 2.5	PASS
		VN	-10	0.53	0.000282	± 2.5	PASS
		VN	0	2.77	0.001473	± 2.5	PASS
		VN	10	3.76	0.002000	± 2.5	PASS
		VN	20	-0.75	-0.000399	± 2.5	PASS

		VN	30	4.95	0.002633	± 2.5	PASS
		VN	40	4.57	0.002431	± 2.5	PASS
		VN	50	-0.51	-0.000271	± 2.5	PASS
	HCH	VN	-30	2.77	0.001456	± 2.5	PASS
		VN	-20	0.69	0.000363	± 2.5	PASS
		VN	-10	3.25	0.001708	± 2.5	PASS
		VN	0	3.42	0.001798	± 2.5	PASS
		VN	10	3.04	0.001598	± 2.5	PASS
		VN	20	0.62	0.000326	± 2.5	PASS
		VN	30	-1.08	-0.000568	± 2.5	PASS
		VN	40	2.91	0.001530	± 2.5	PASS
		VN	50	-1.88	-0.000988	± 2.5	PASS
16QAM	LCH	VN	-30	-1.51	-0.000813	± 2.5	PASS
		VN	-20	4.55	0.002450	± 2.5	PASS
		VN	-10	-1.58	-0.000851	± 2.5	PASS
		VN	0	1.81	0.000974	± 2.5	PASS
		VN	10	2.75	0.001480	± 2.5	PASS
		VN	20	3.99	0.002148	± 2.5	PASS
		VN	30	3.4	0.001830	± 2.5	PASS
		VN	40	2.79	0.001502	± 2.5	PASS
		VN	50	2.78	0.001497	± 2.5	PASS
	MCH	VN	-30	2.25	0.001197	± 2.5	PASS
		VN	-20	4.41	0.002346	± 2.5	PASS
		VN	-10	2.81	0.001495	± 2.5	PASS
		VN	0	0.2	0.000106	± 2.5	PASS
		VN	10	2.36	0.001255	± 2.5	PASS
		VN	20	-1.47	-0.000782	± 2.5	PASS
		VN	30	0.59	0.000314	± 2.5	PASS
		VN	40	2.89	0.001537	± 2.5	PASS
		VN	50	-0.54	-0.000287	± 2.5	PASS
	HCH	VN	-30	-0.85	-0.000447	± 2.5	PASS
		VN	-20	4.19	0.002202	± 2.5	PASS
		VN	-10	4.51	0.002371	± 2.5	PASS
		VN	0	2.17	0.001141	± 2.5	PASS
		VN	10	-1.64	-0.000862	± 2.5	PASS
		VN	20	0.94	0.000494	± 2.5	PASS
		VN	30	2.56	0.001346	± 2.5	PASS
		VN	40	1.43	0.000752	± 2.5	PASS
		VN	50	4.26	0.002239	± 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	-0.29	-0.000156	± 2.5	PASS
		VN	TN	-0.1	-0.000054	± 2.5	PASS
		VH	TN	2.95	0.001586	± 2.5	PASS
	MCH	VL	TN	0.5	0.000266	± 2.5	PASS
		VN	TN	2.16	0.001149	± 2.5	PASS
		VH	TN	3.22	0.001713	± 2.5	PASS
	HCH	VL	TN	2.58	0.001358	± 2.5	PASS
		VN	TN	-0.69	-0.000363	± 2.5	PASS
		VH	TN	1.18	0.000621	± 2.5	PASS
16QAM	LCH	VL	TN	-1.79	-0.000962	± 2.5	PASS
		VN	TN	0.84	0.000452	± 2.5	PASS
		VH	TN	0.64	0.000344	± 2.5	PASS
	MCH	VL	TN	4.59	0.002441	± 2.5	PASS
		VN	TN	1	0.000532	± 2.5	PASS
		VH	TN	1.88	0.001000	± 2.5	PASS
	HCH	VL	TN	1.42	0.000747	± 2.5	PASS
		VN	TN	4.84	0.002547	± 2.5	PASS
		VH	TN	3.64	0.001916	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.96	-0.000516	± 2.5	PASS
		VN	-20	0.91	0.000489	± 2.5	PASS
		VN	-10	2.91	0.001565	± 2.5	PASS
		VN	0	1.77	0.000952	± 2.5	PASS
		VN	10	4.84	0.002602	± 2.5	PASS
		VN	20	-0.92	-0.000495	± 2.5	PASS
		VN	30	-1.85	-0.000995	± 2.5	PASS
		VN	40	-0.88	-0.000473	± 2.5	PASS
		VN	50	4.87	0.002618	± 2.5	PASS
	MCH	VN	-30	3.06	0.001628	± 2.5	PASS
		VN	-20	-1.85	-0.000984	± 2.5	PASS
		VN	-10	-1.47	-0.000782	± 2.5	PASS
		VN	0	-0.03	-0.000016	± 2.5	PASS
		VN	10	0.39	0.000207	± 2.5	PASS
		VN	20	3.1	0.001649	± 2.5	PASS

		VN	30	1.26	0.000670	± 2.5	PASS
		VN	40	1.78	0.000947	± 2.5	PASS
		VN	50	3.82	0.002032	± 2.5	PASS
	HCH	VN	-30	4.28	0.002253	± 2.5	PASS
		VN	-20	4.16	0.002189	± 2.5	PASS
		VN	-10	0.7	0.000368	± 2.5	PASS
		VN	0	4.12	0.002168	± 2.5	PASS
		VN	10	0.72	0.000379	± 2.5	PASS
		VN	20	0.28	0.000147	± 2.5	PASS
		VN	30	4.25	0.002237	± 2.5	PASS
		VN	40	-0.92	-0.000484	± 2.5	PASS
		VN	50	-0.46	-0.000242	± 2.5	PASS
16QAM	LCH	VN	-30	3.69	0.001984	± 2.5	PASS
		VN	-20	4.5	0.002419	± 2.5	PASS
		VN	-10	3.19	0.001715	± 2.5	PASS
		VN	0	3.5	0.001882	± 2.5	PASS
		VN	10	1.31	0.000704	± 2.5	PASS
		VN	20	2.98	0.001602	± 2.5	PASS
		VN	30	3.82	0.002054	± 2.5	PASS
		VN	40	2.49	0.001339	± 2.5	PASS
		VN	50	0.4	0.000215	± 2.5	PASS
	MCH	VN	-30	0.89	0.000473	± 2.5	PASS
		VN	-20	-1.67	-0.000888	± 2.5	PASS
		VN	-10	4.22	0.002245	± 2.5	PASS
		VN	0	2.18	0.001160	± 2.5	PASS
		VN	10	2.6	0.001383	± 2.5	PASS
		VN	20	0.38	0.000202	± 2.5	PASS
		VN	30	1.12	0.000596	± 2.5	PASS
		VN	40	1.51	0.000803	± 2.5	PASS
		VN	50	-0.45	-0.000239	± 2.5	PASS
	HCH	VN	-30	0.22	0.000116	± 2.5	PASS
		VN	-20	1.41	0.000742	± 2.5	PASS
		VN	-10	-1.34	-0.000705	± 2.5	PASS
		VN	0	2.86	0.001505	± 2.5	PASS
		VN	10	-1.4	-0.000737	± 2.5	PASS
		VN	20	2.27	0.001195	± 2.5	PASS
		VN	30	1.92	0.001011	± 2.5	PASS
		VN	40	0.69	0.000363	± 2.5	PASS
		VN	50	-0.73	-0.000384	± 2.5	PASS