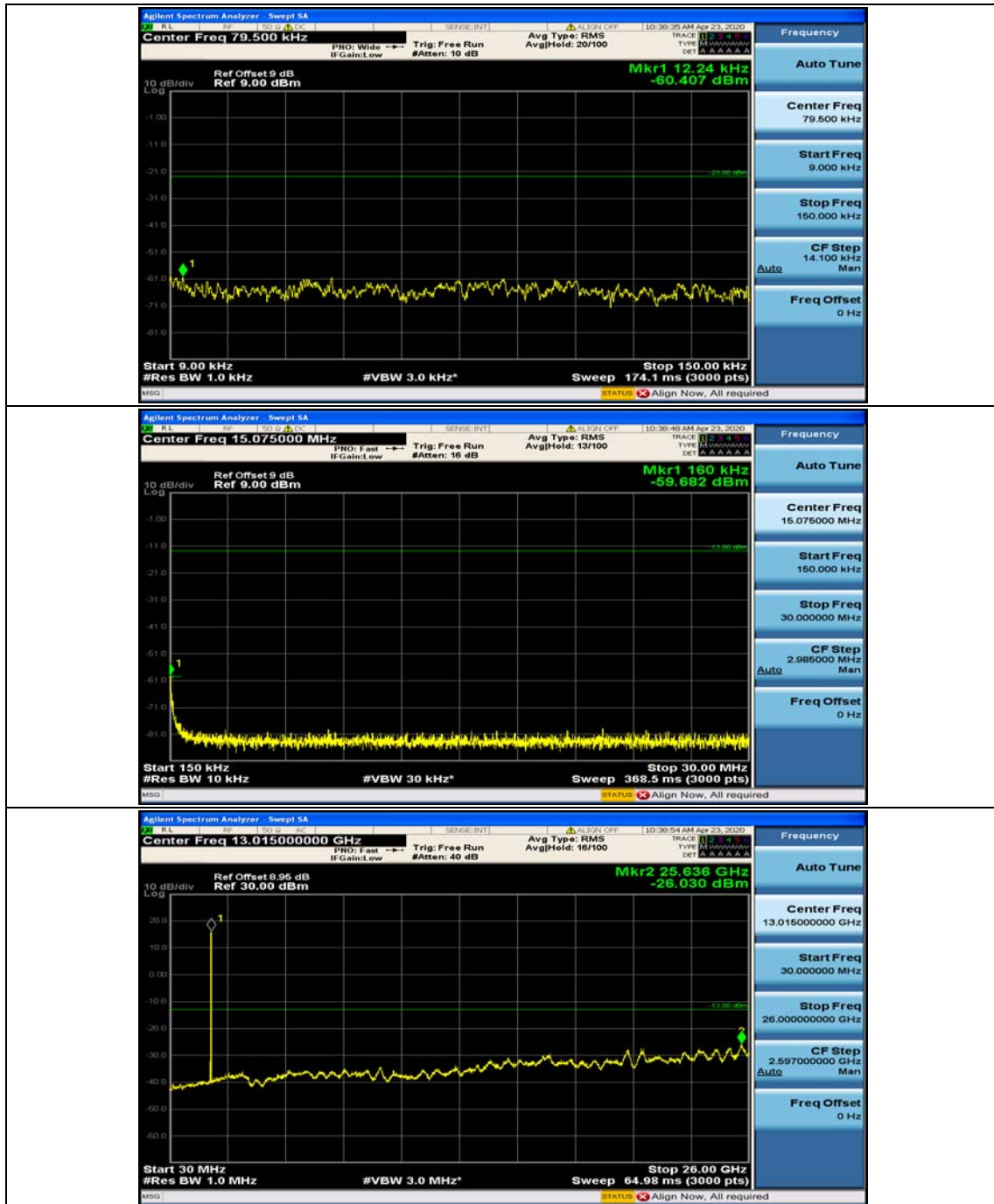
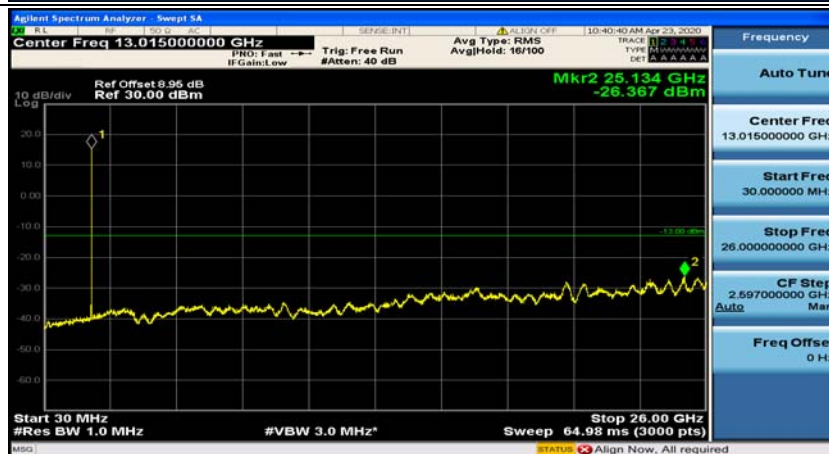
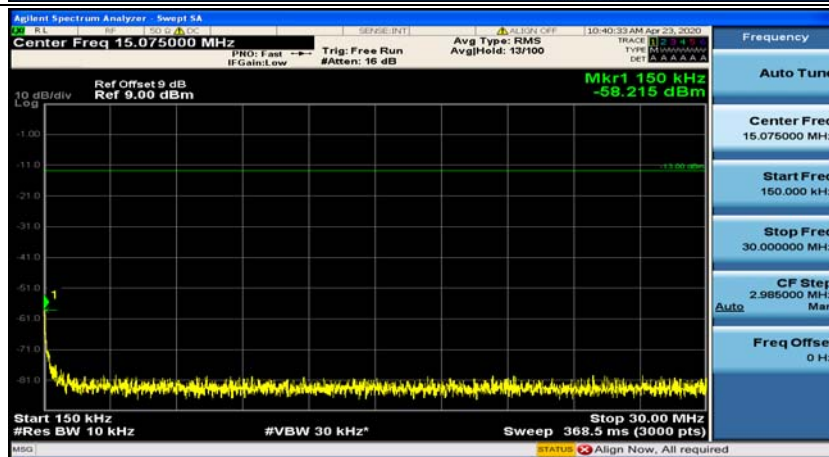
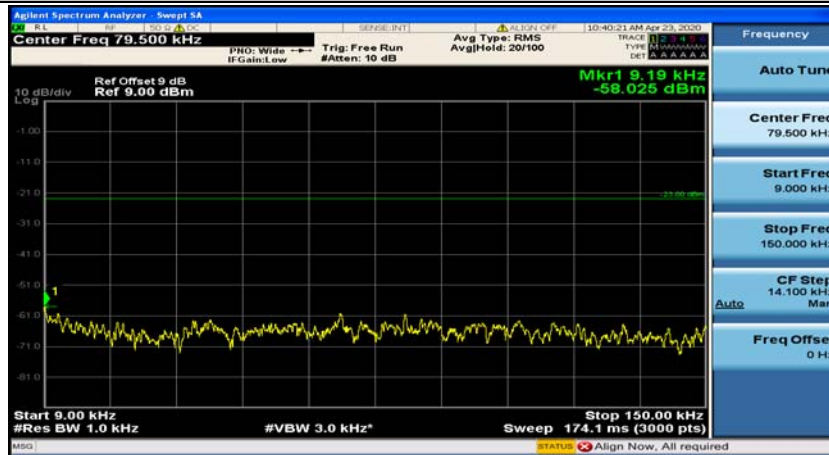
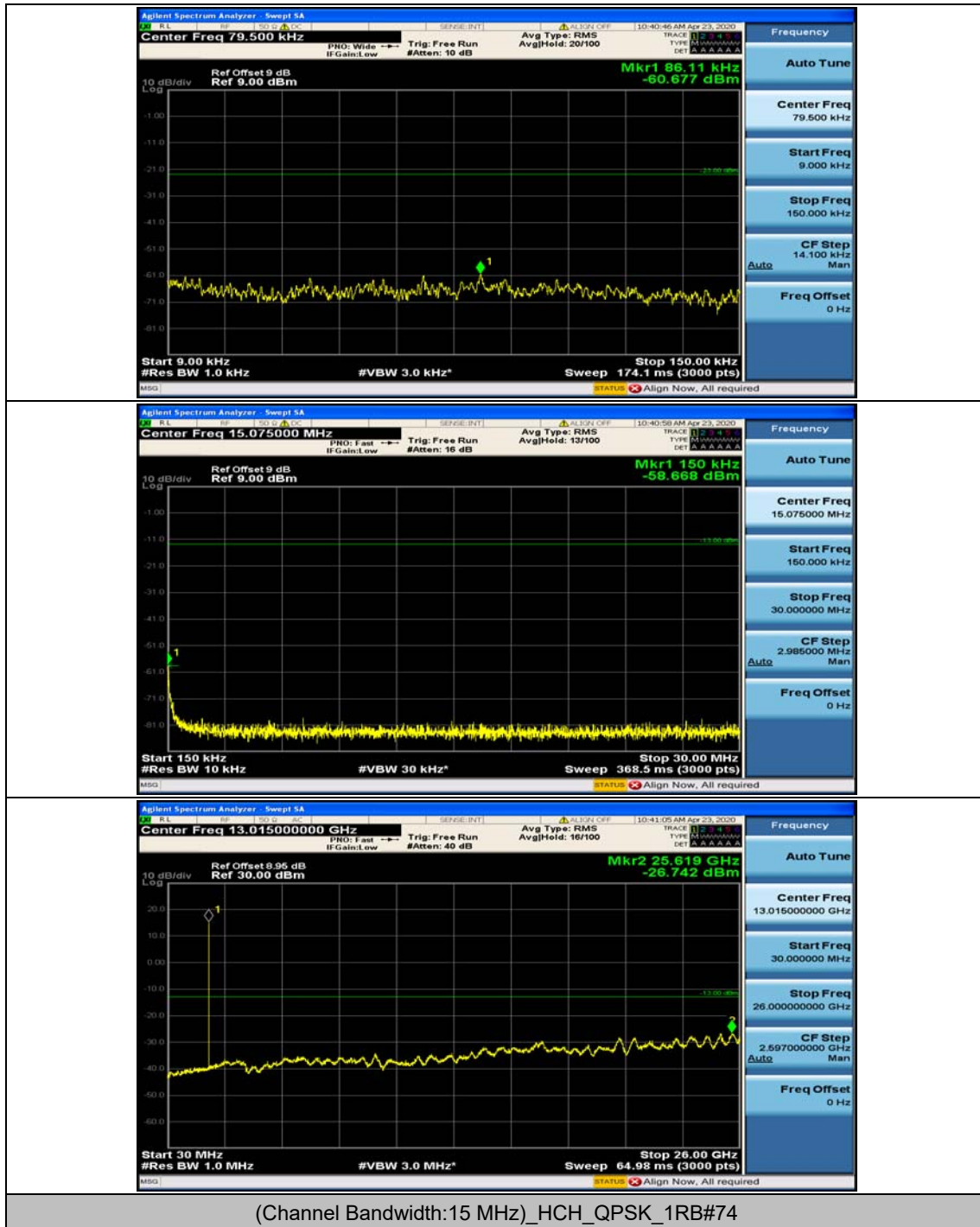


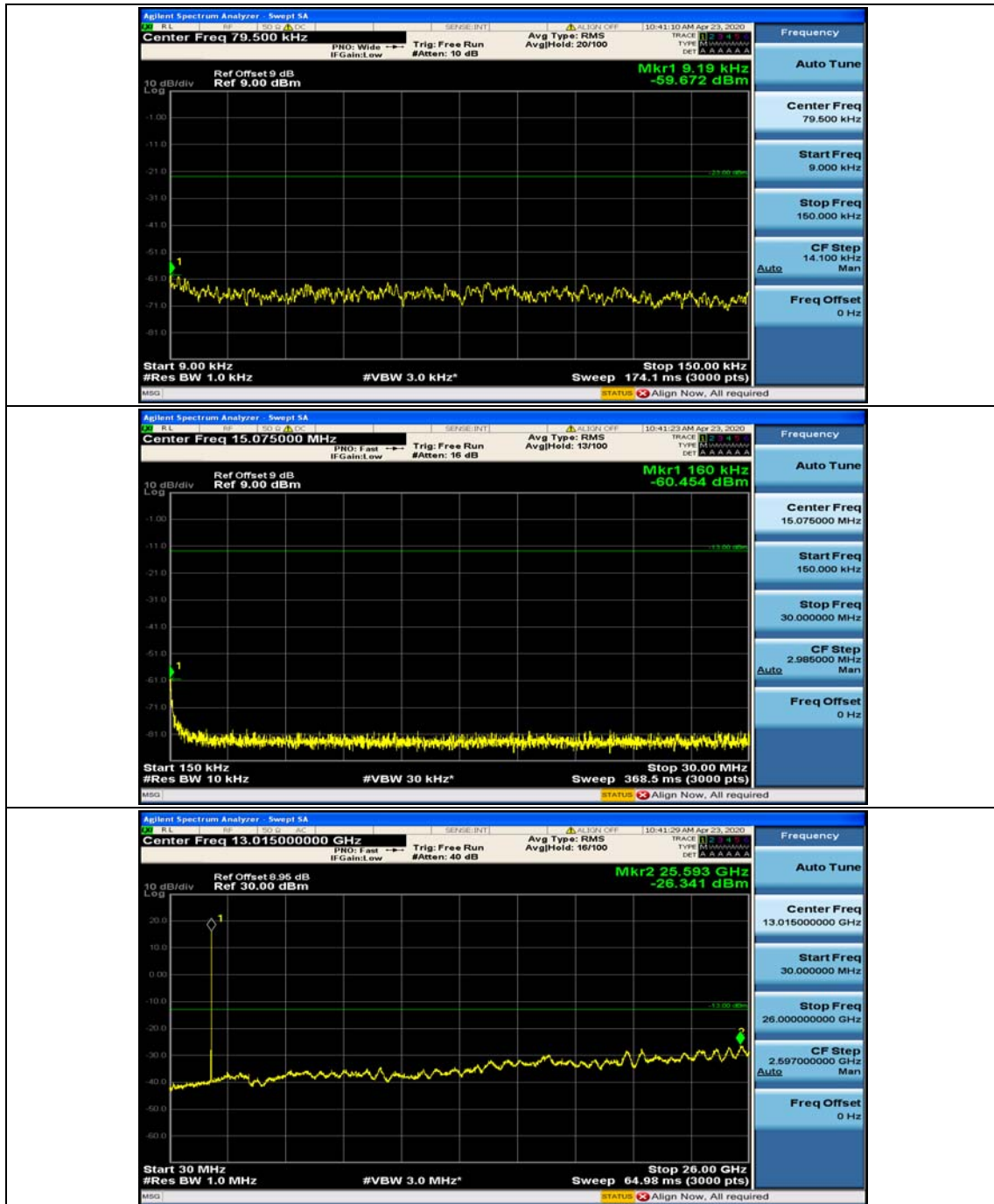


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

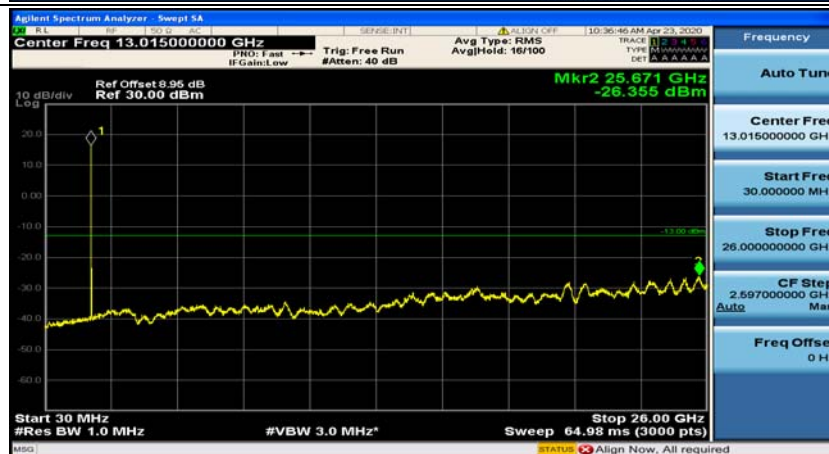
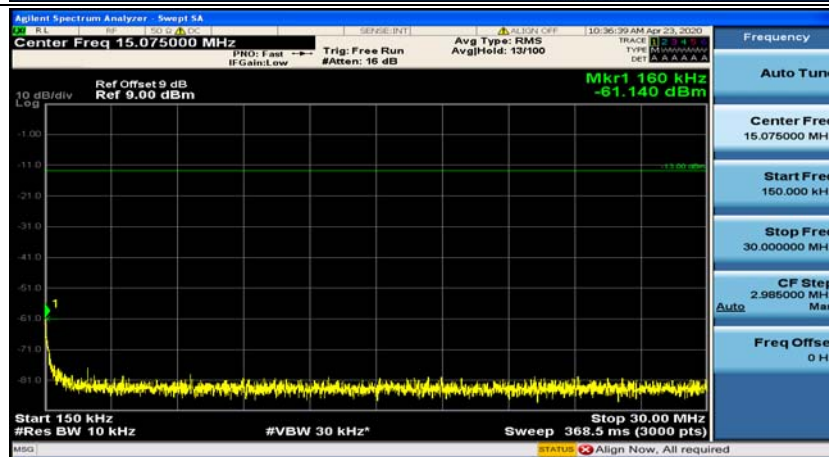
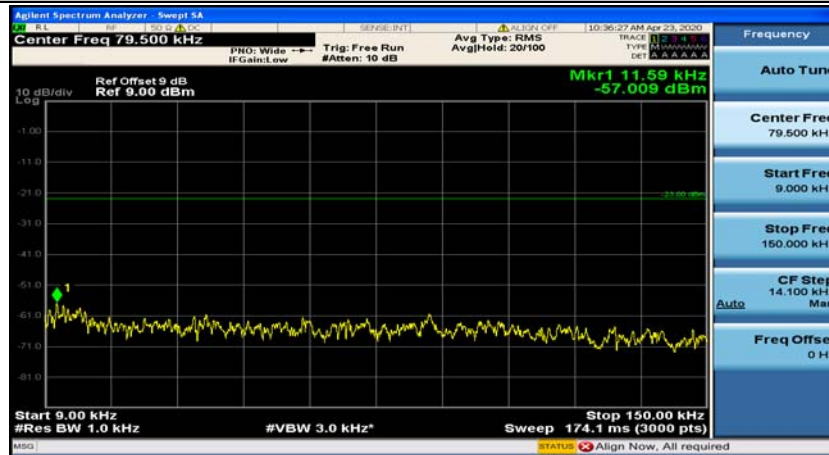


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

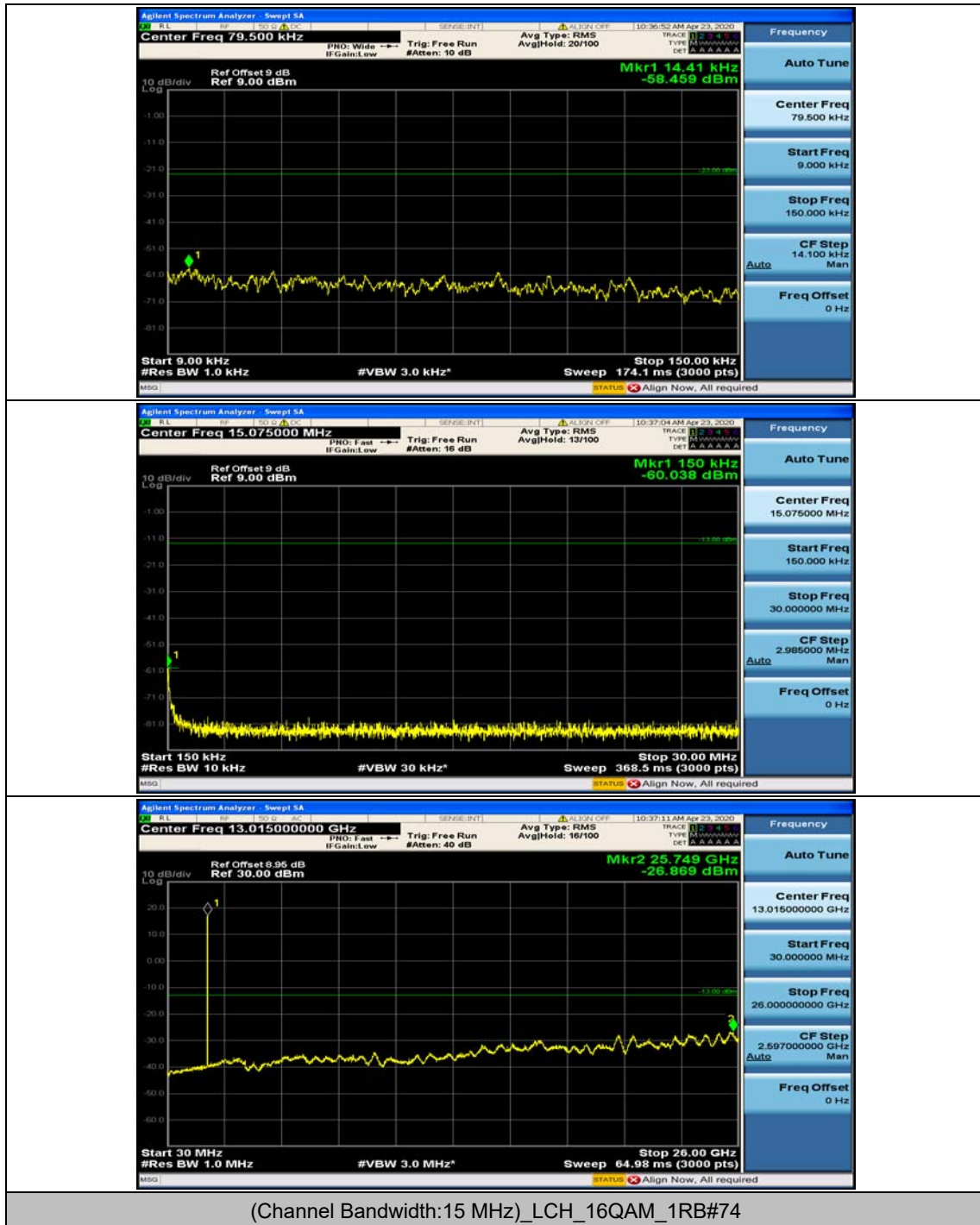


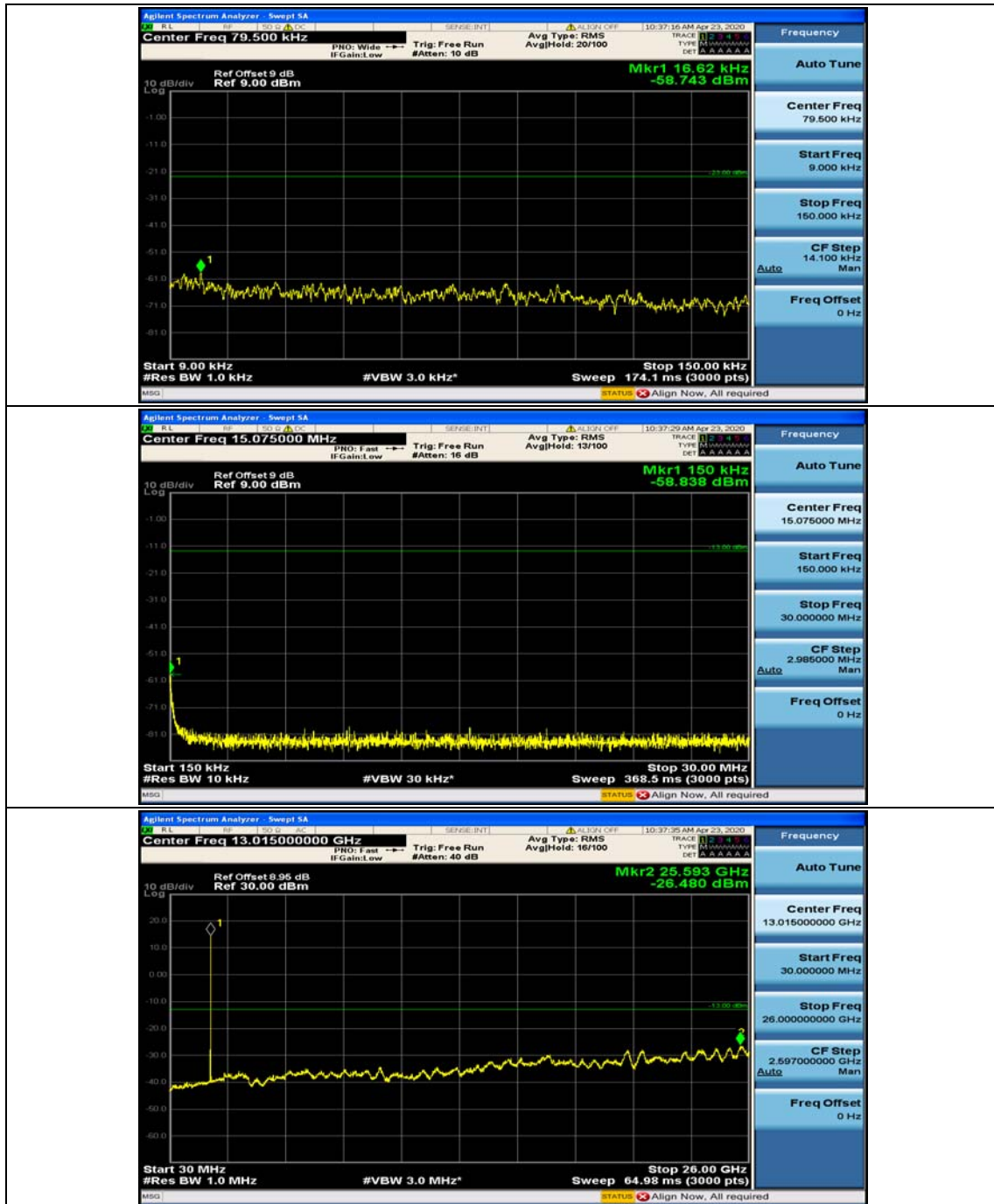


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

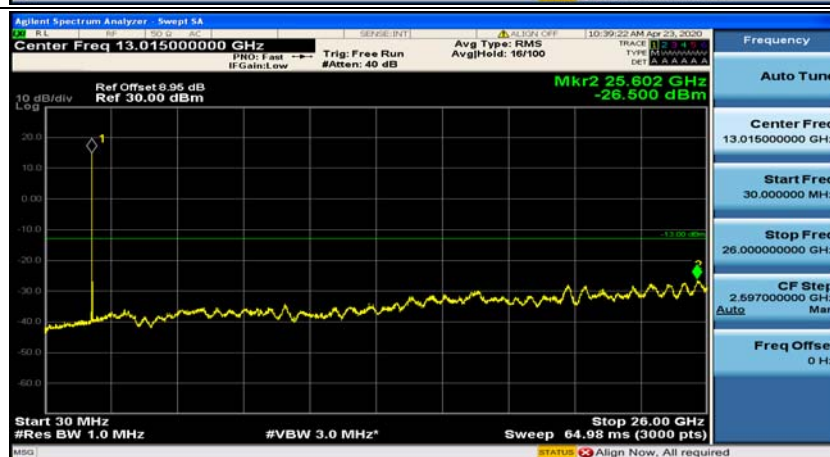
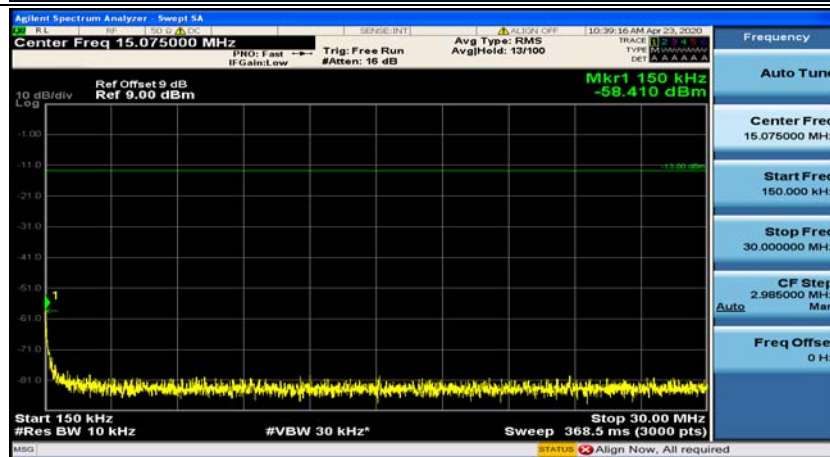


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

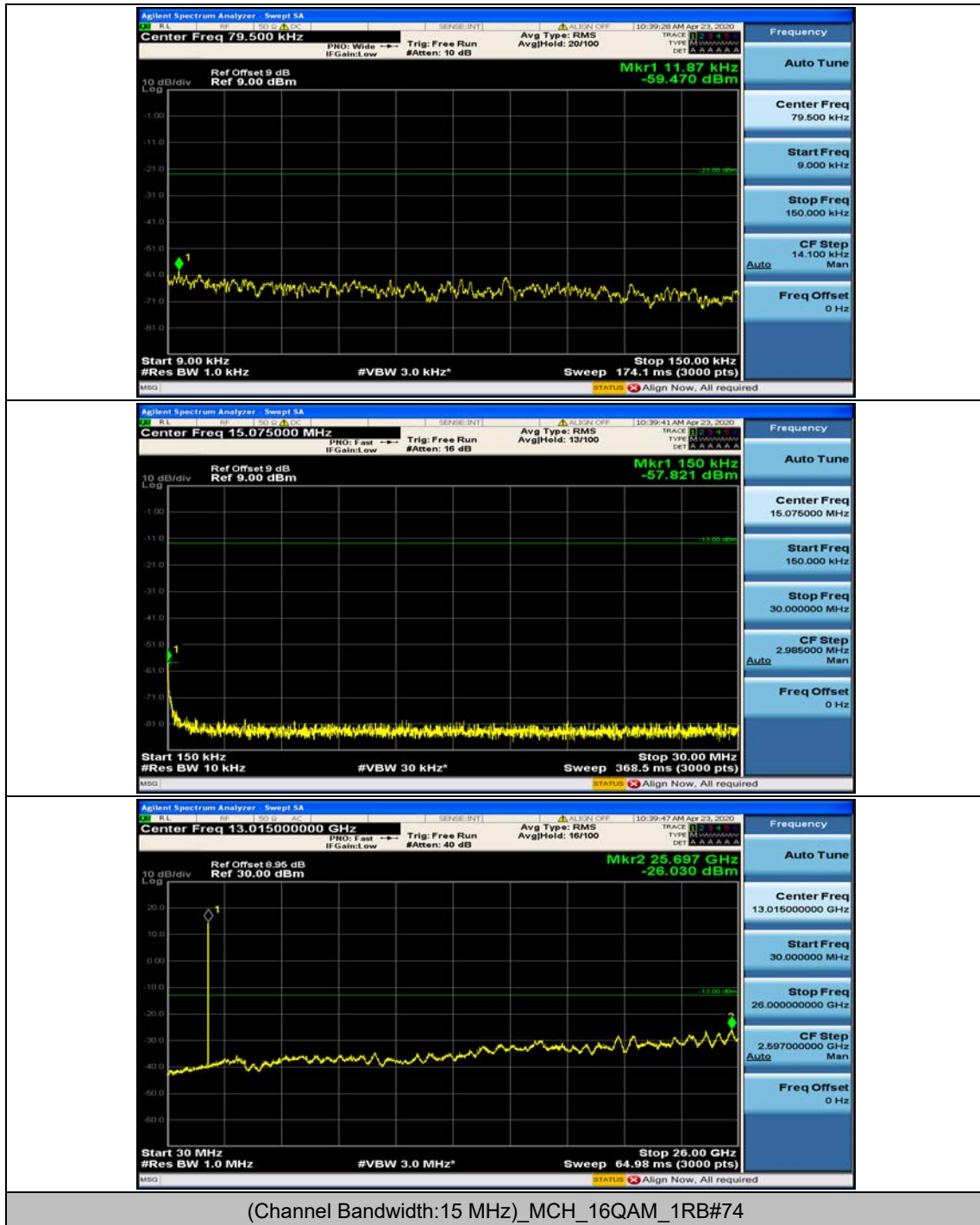


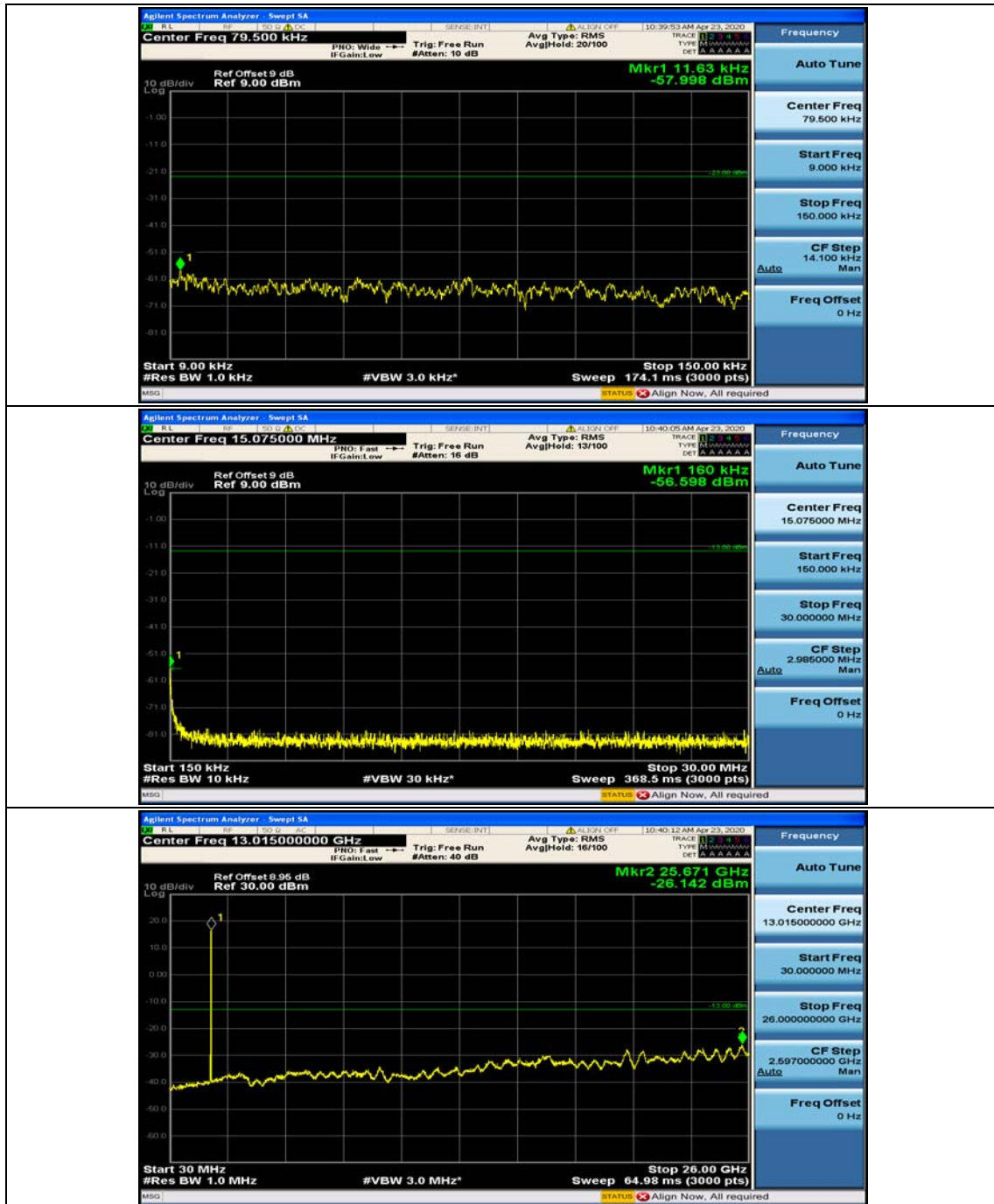


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

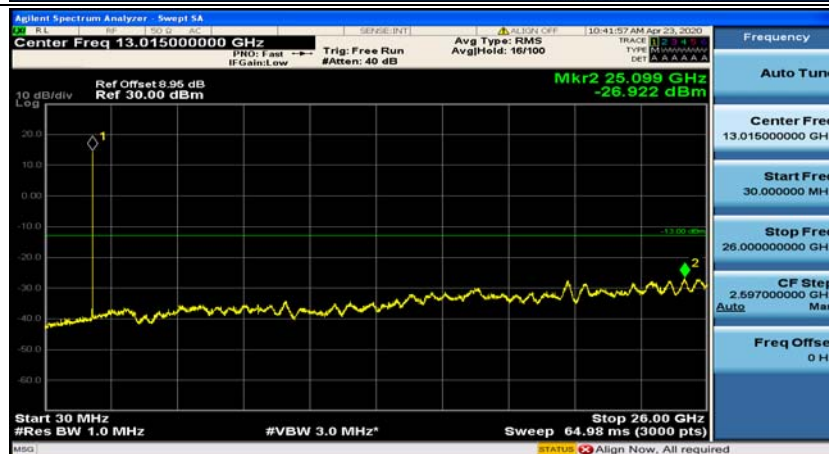
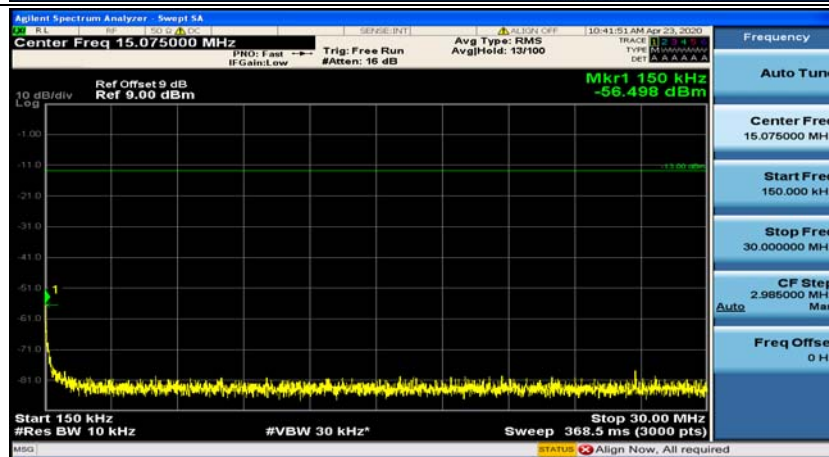


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

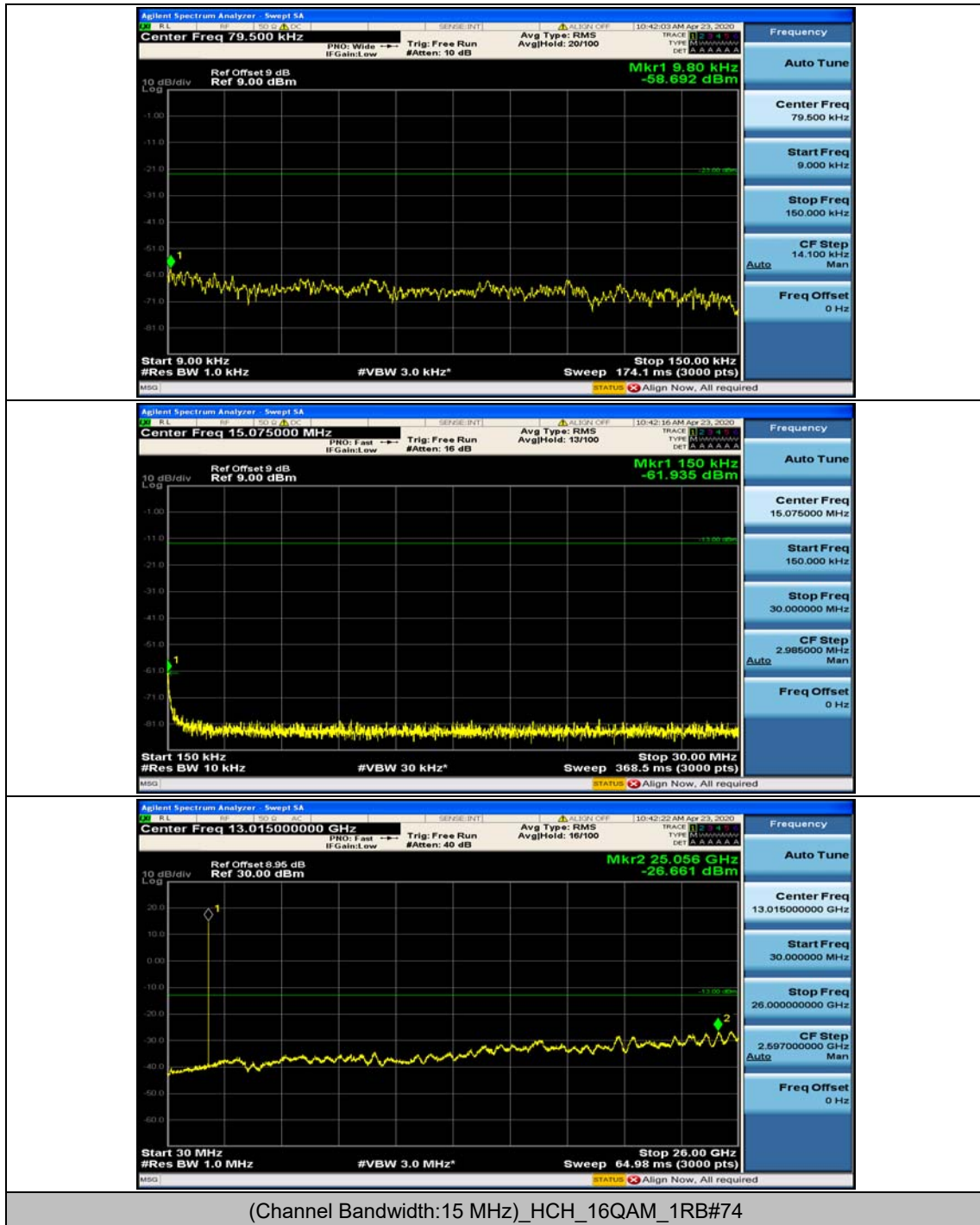


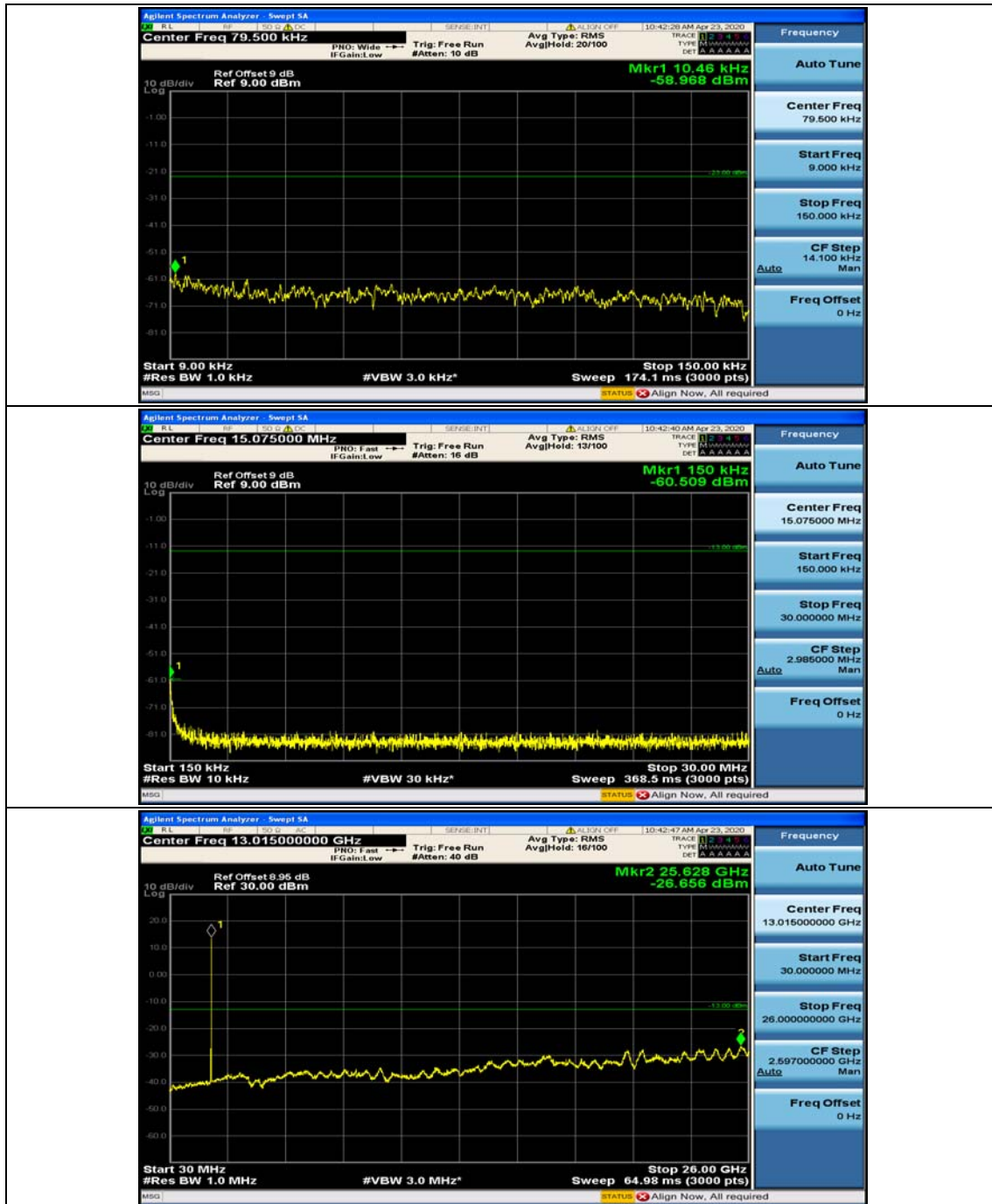


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

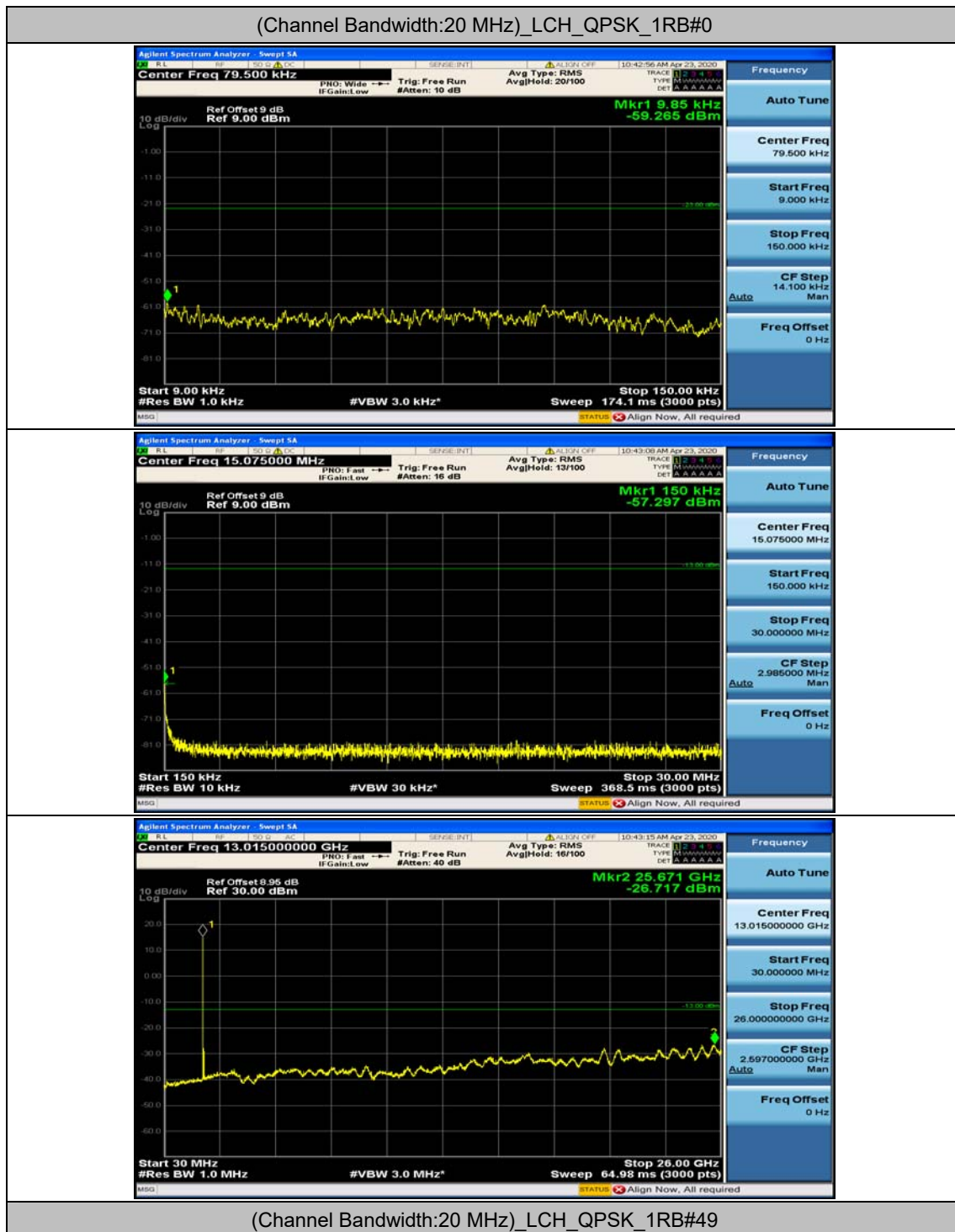


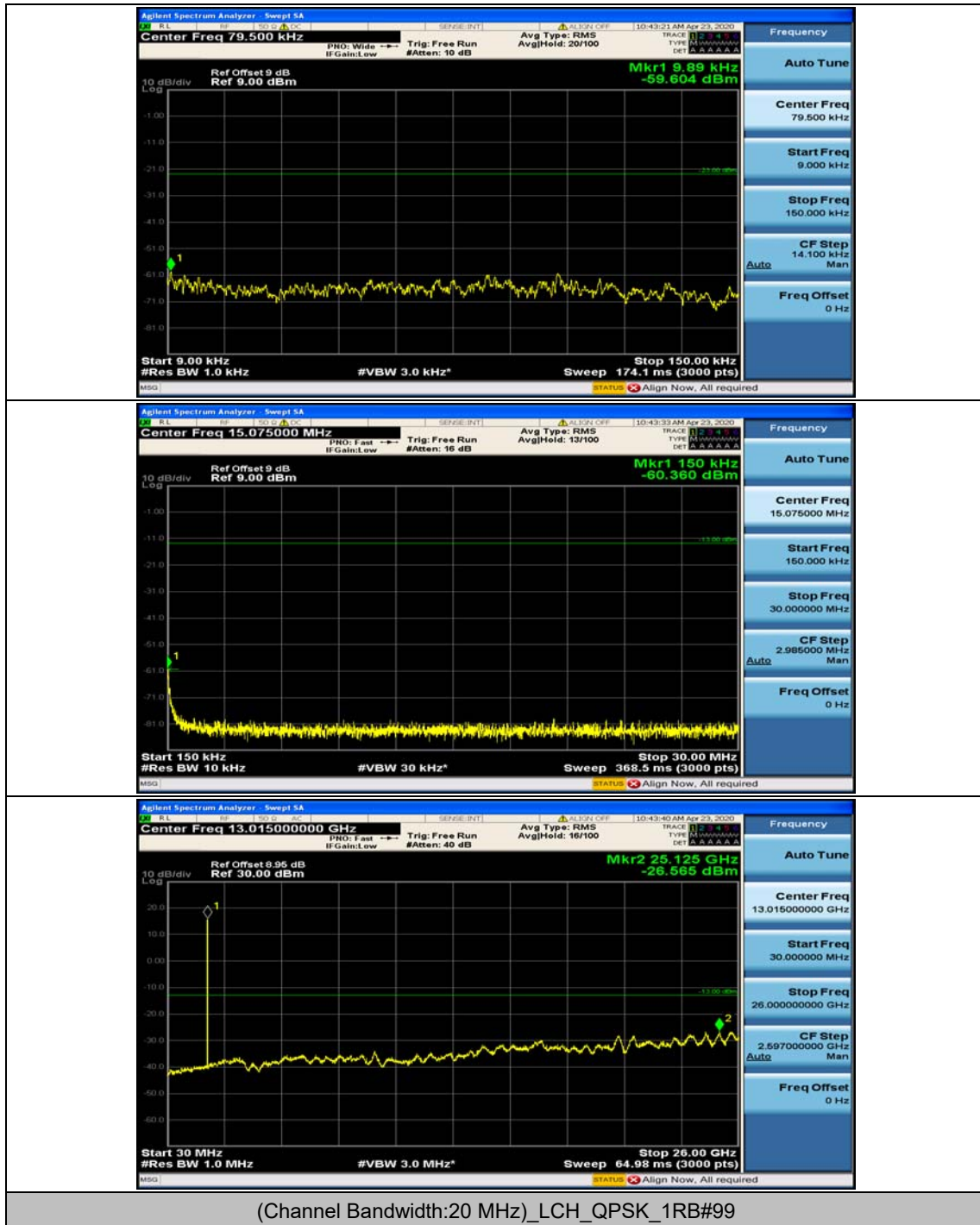
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

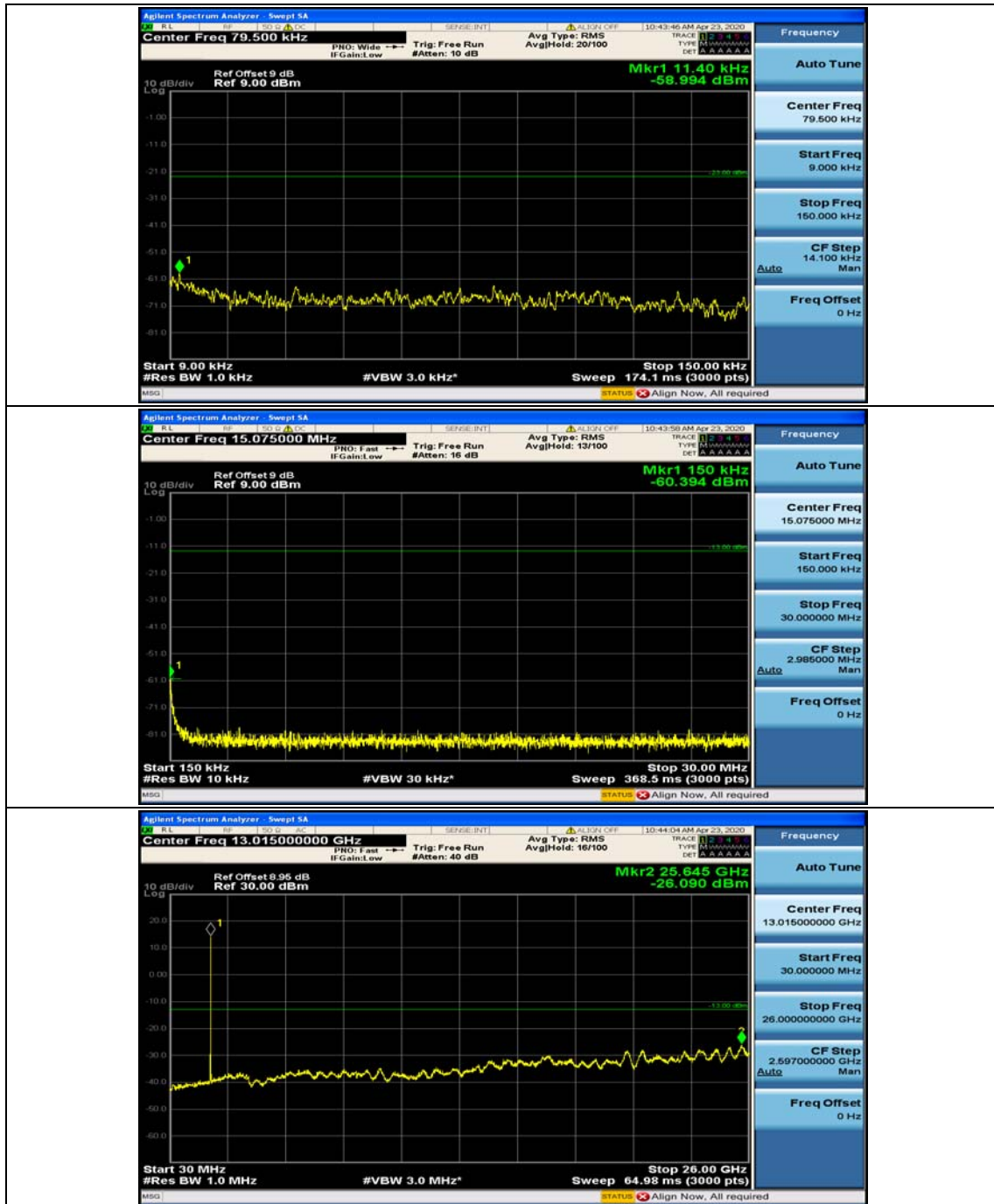




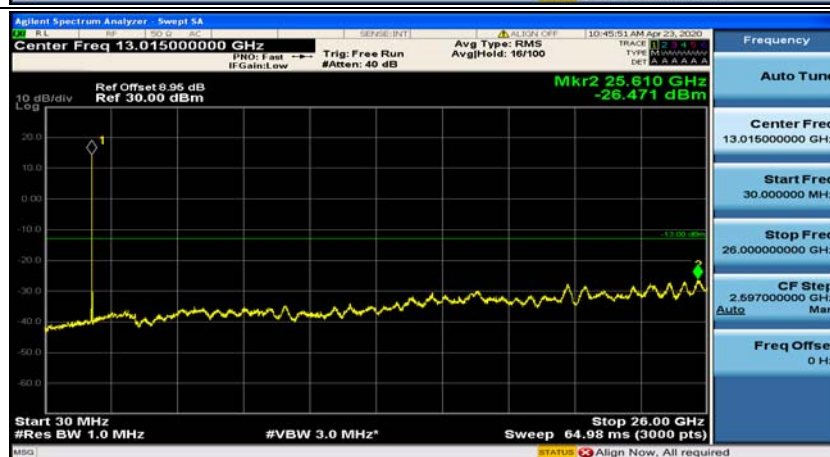
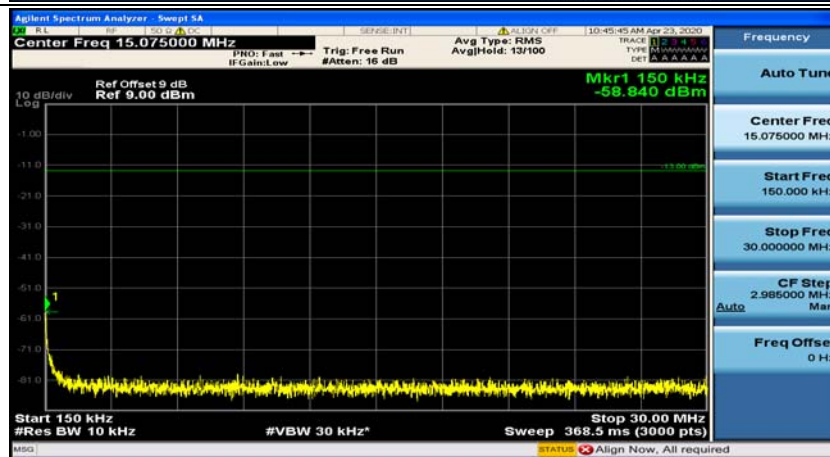
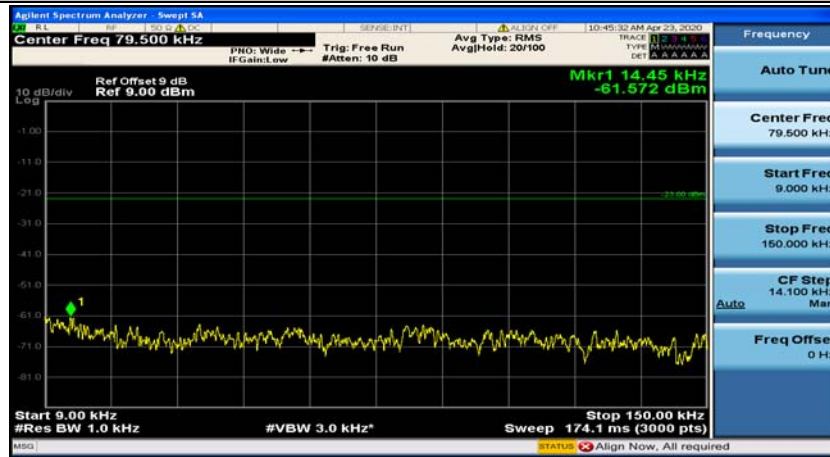
Channel Bandwidth: 20 MHz



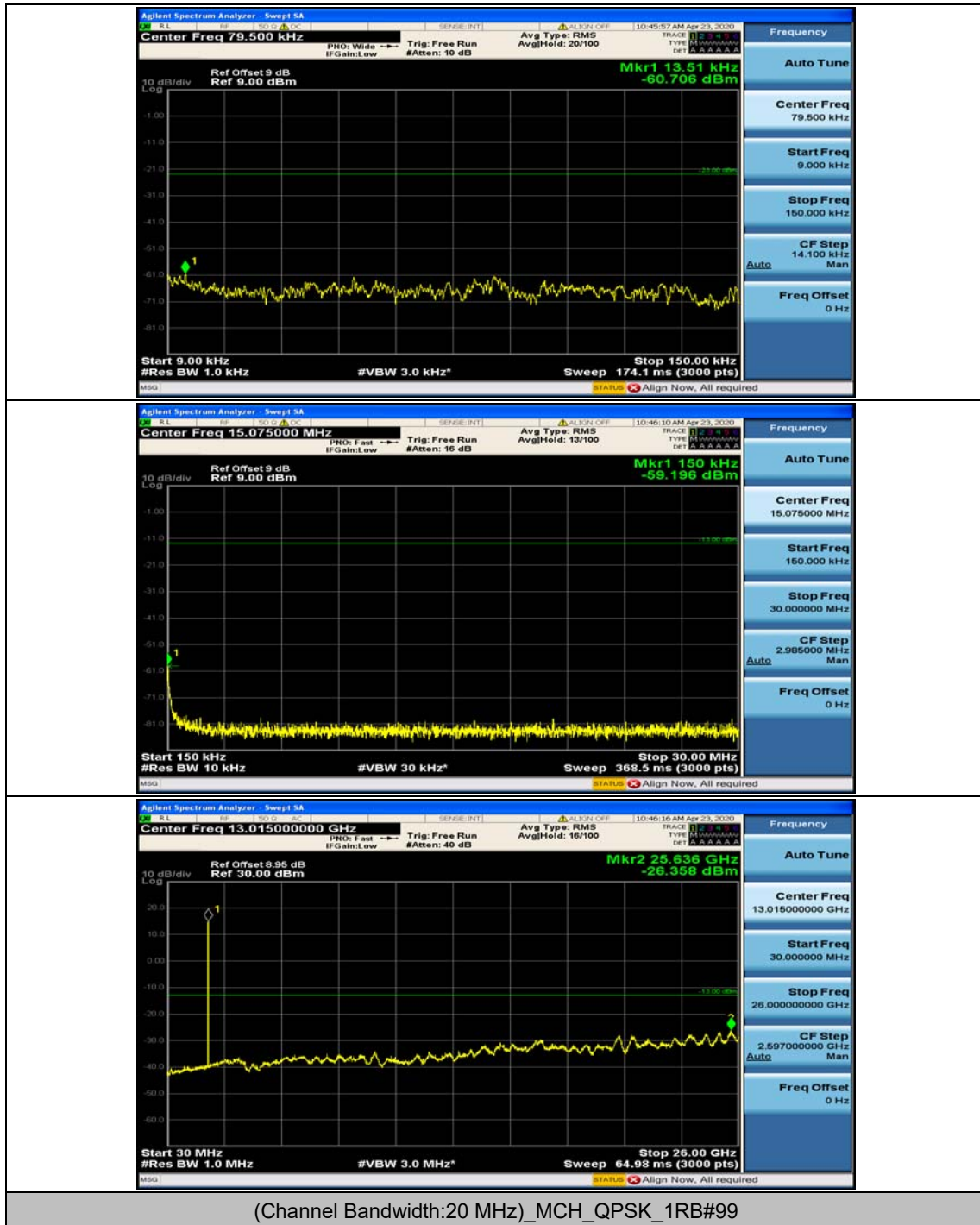


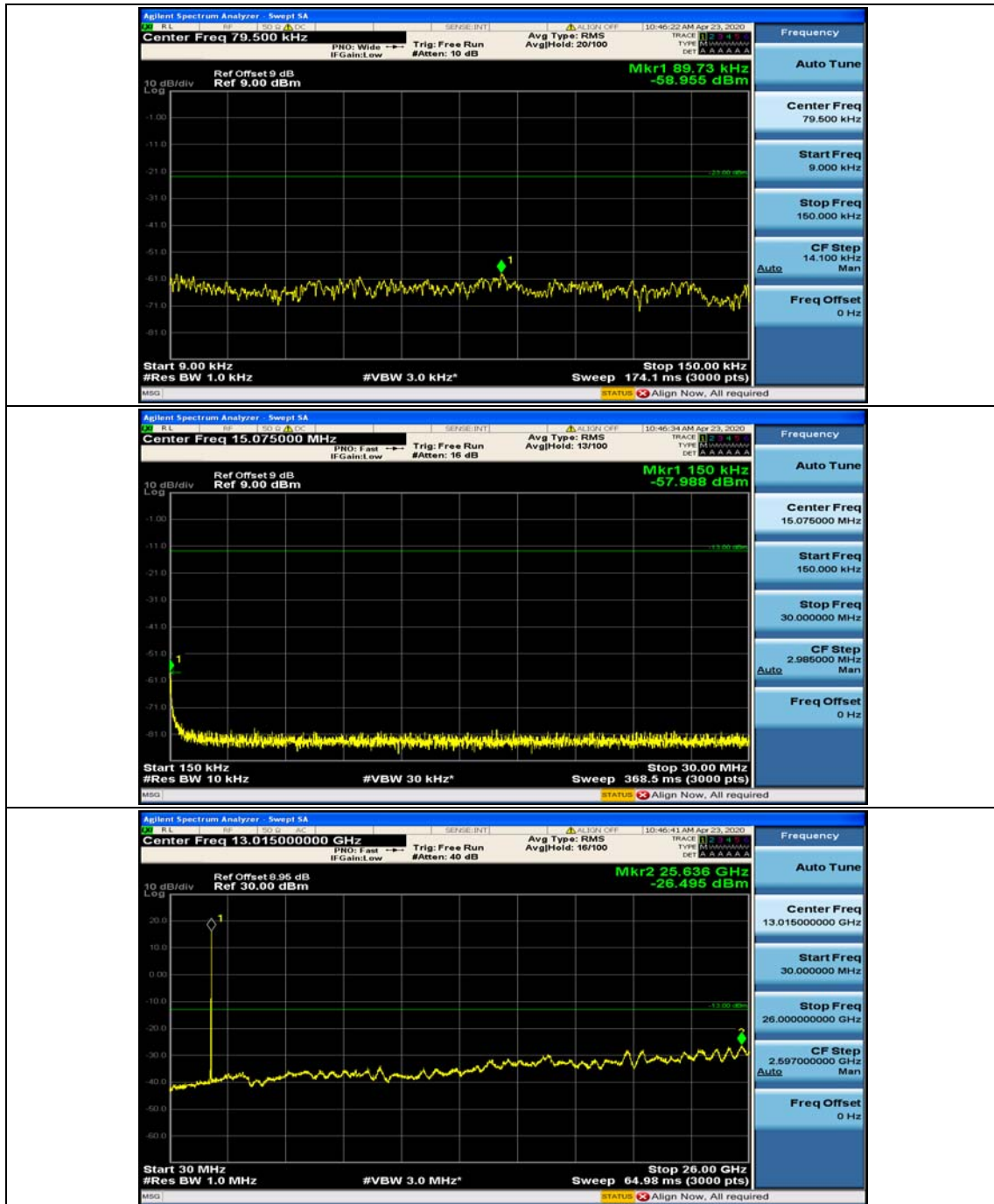


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

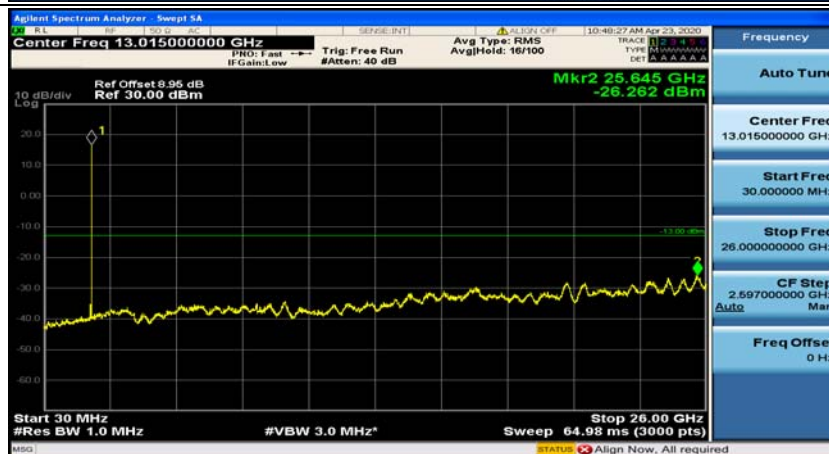
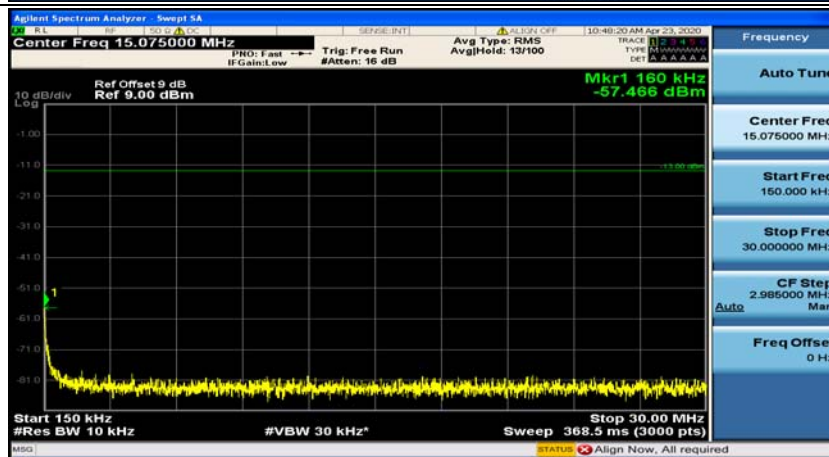
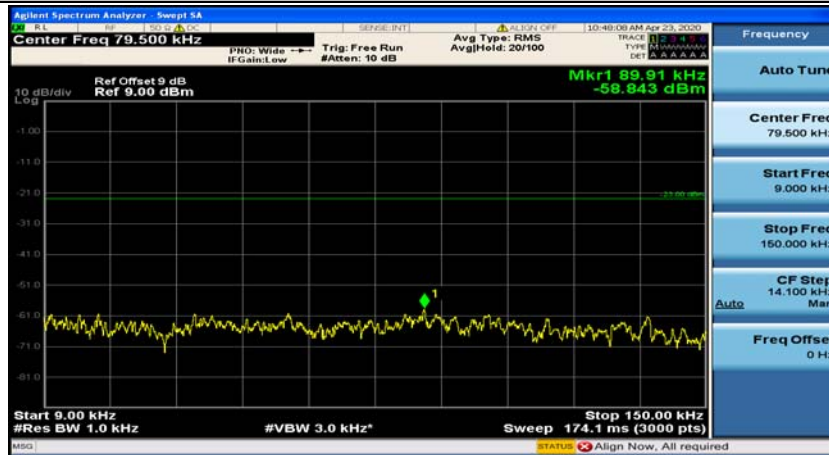


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

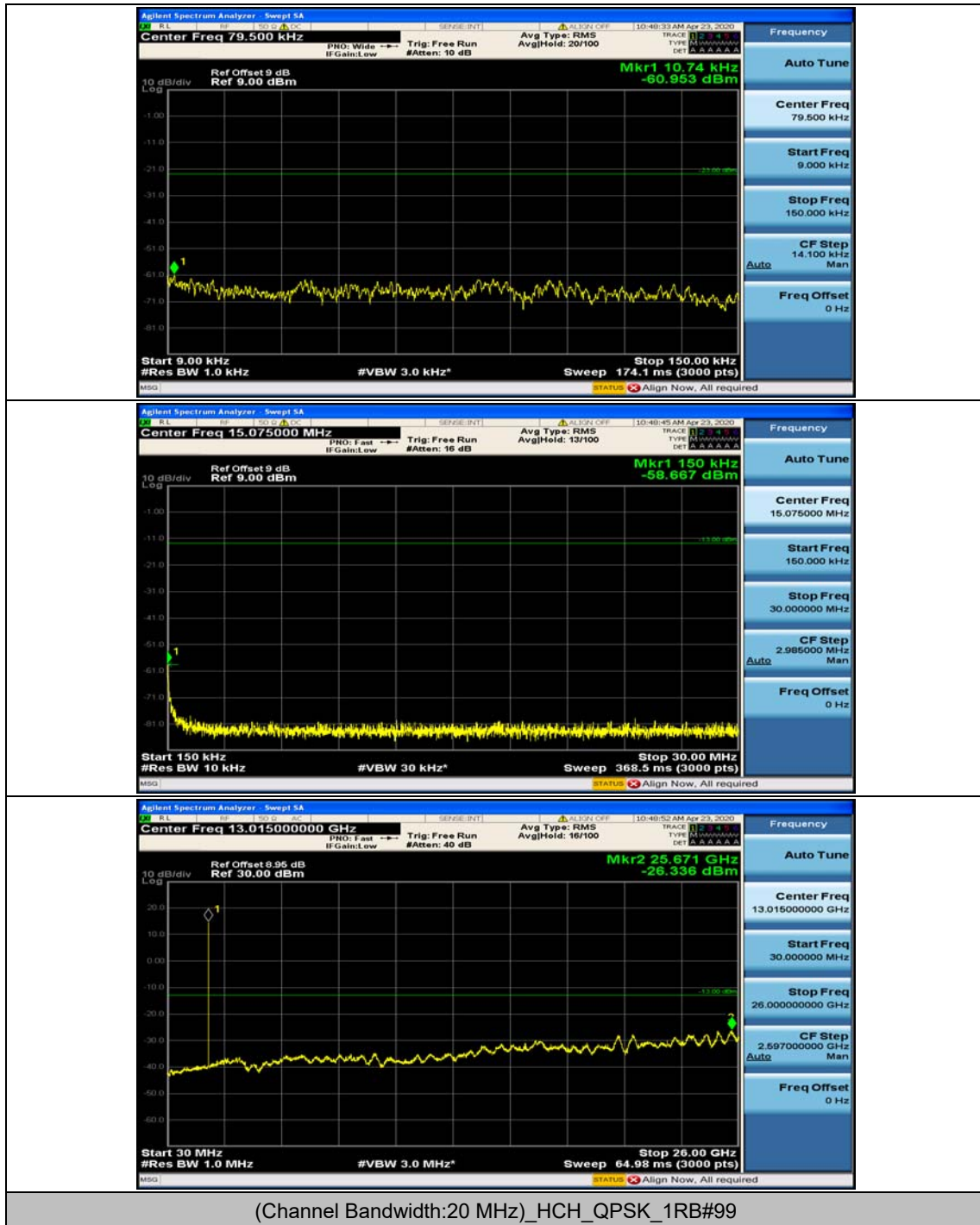


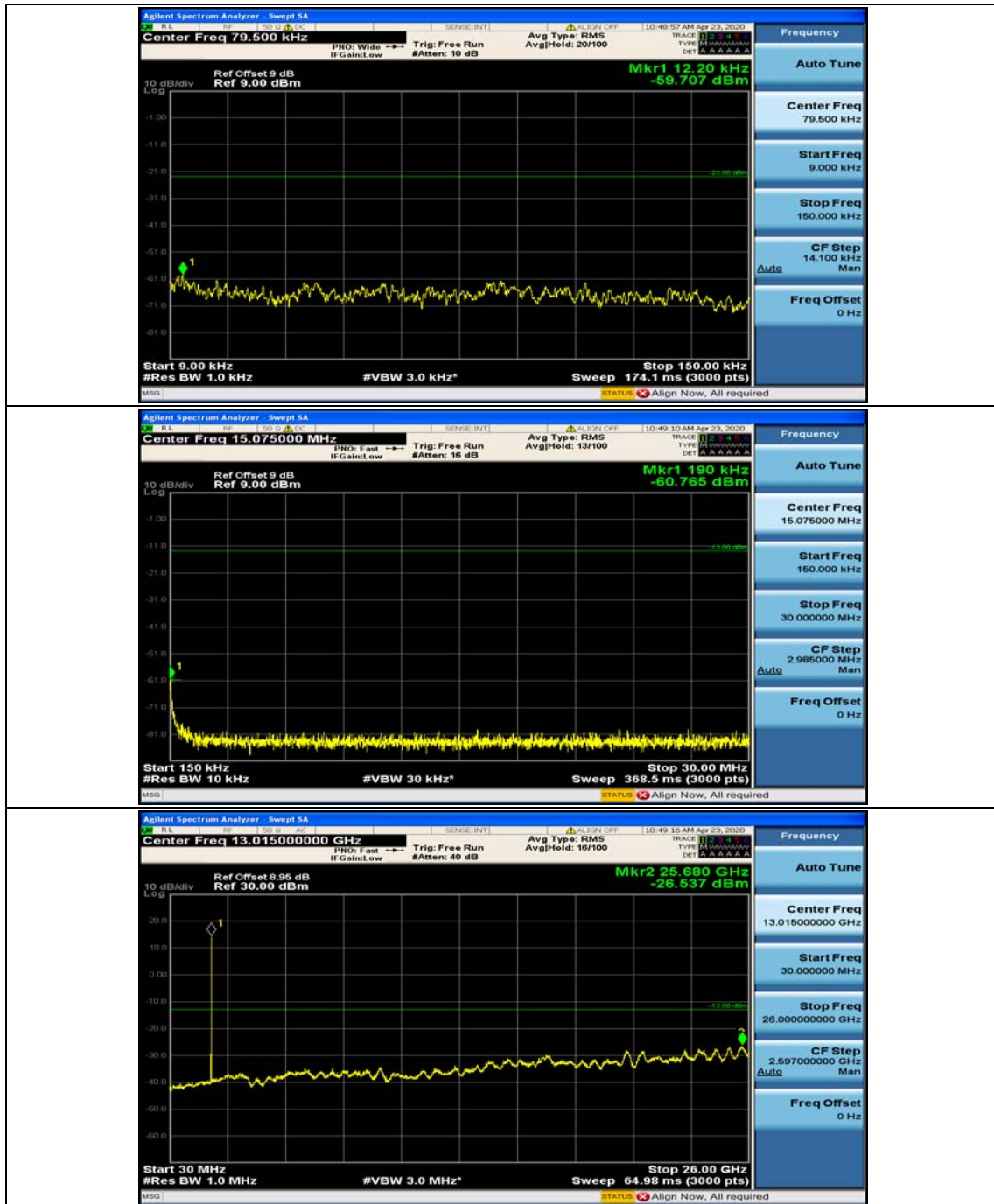


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

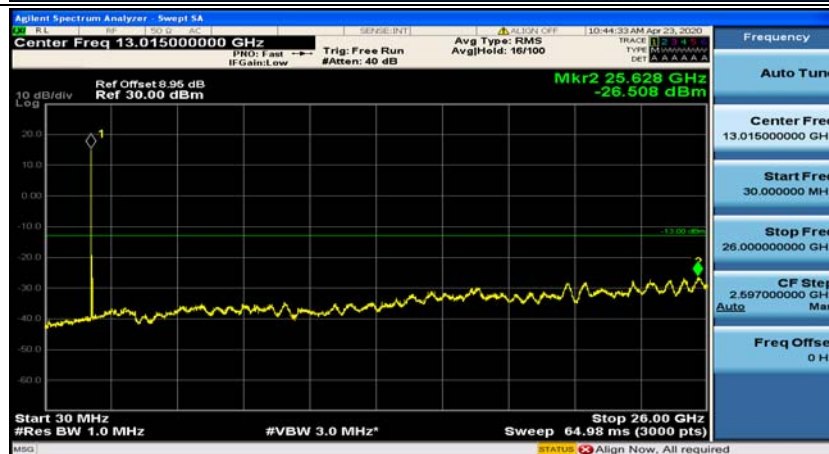
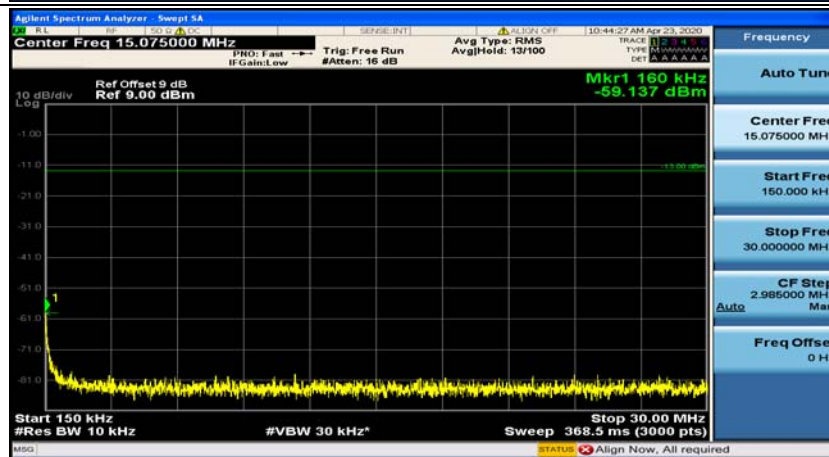
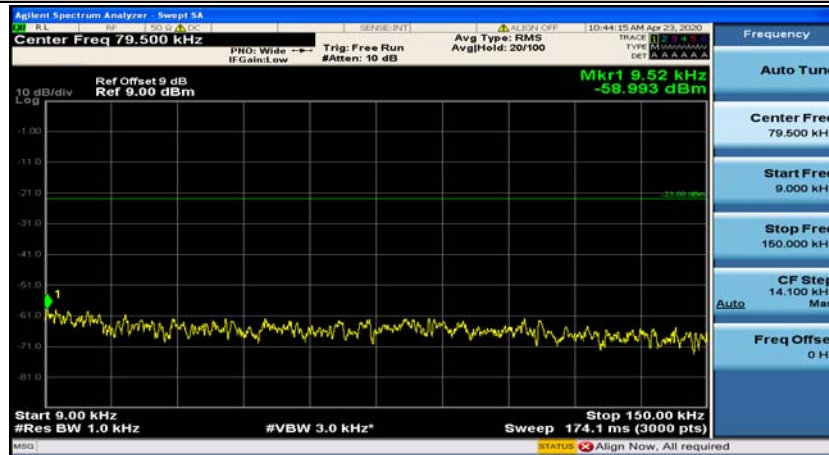


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

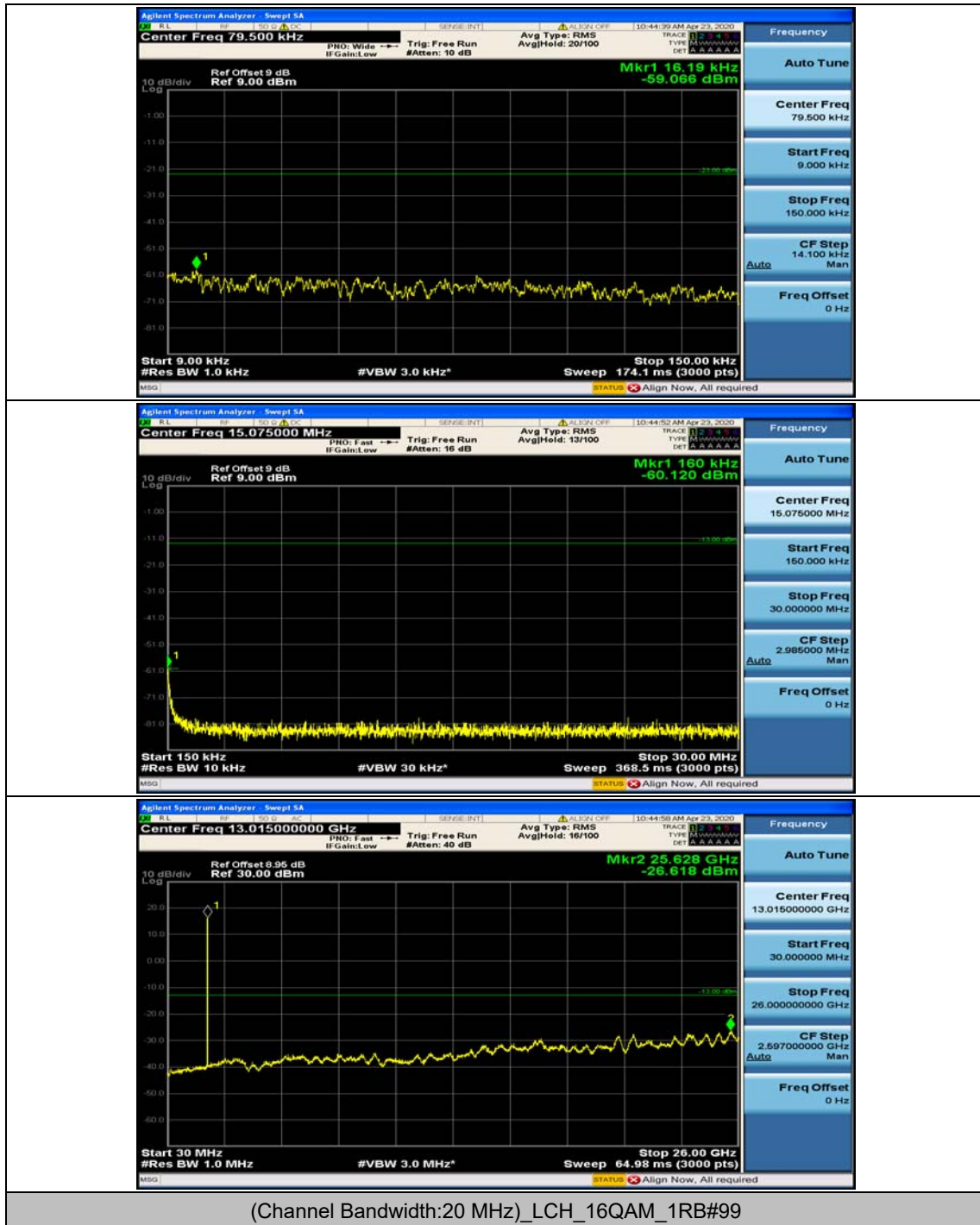


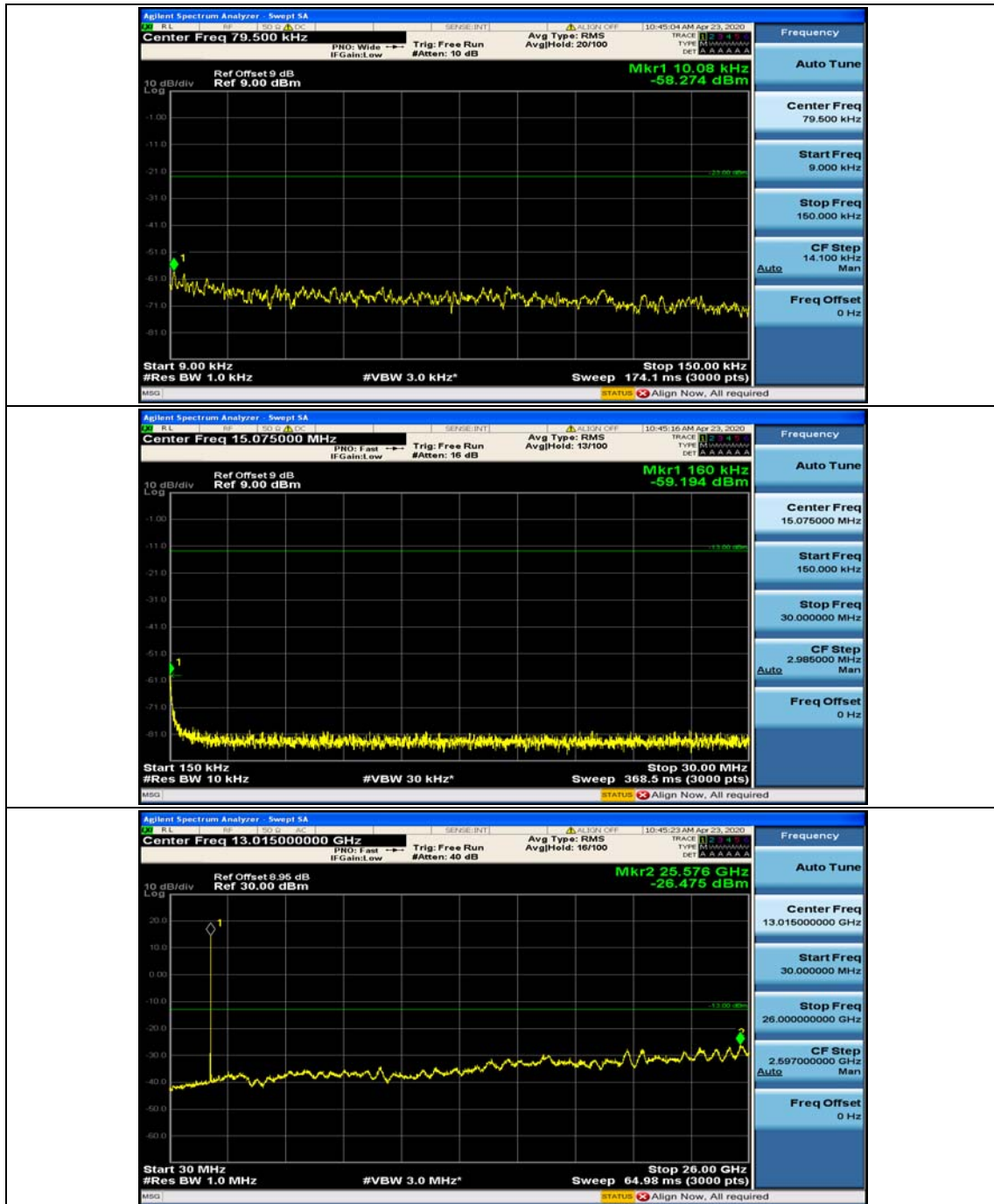


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

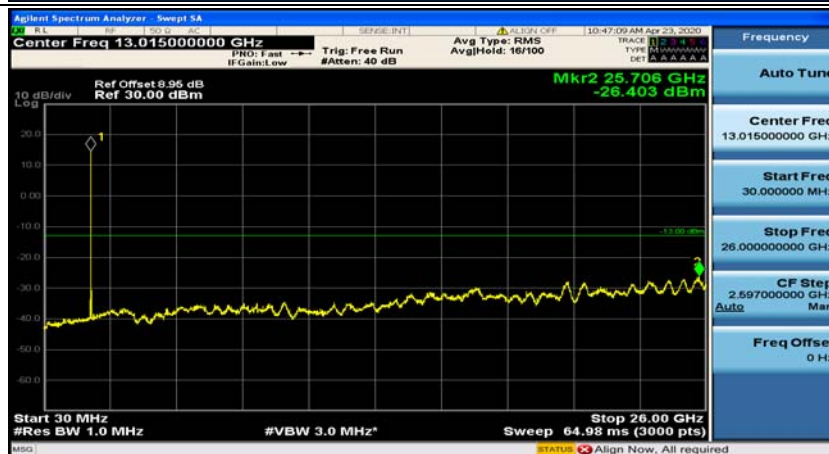
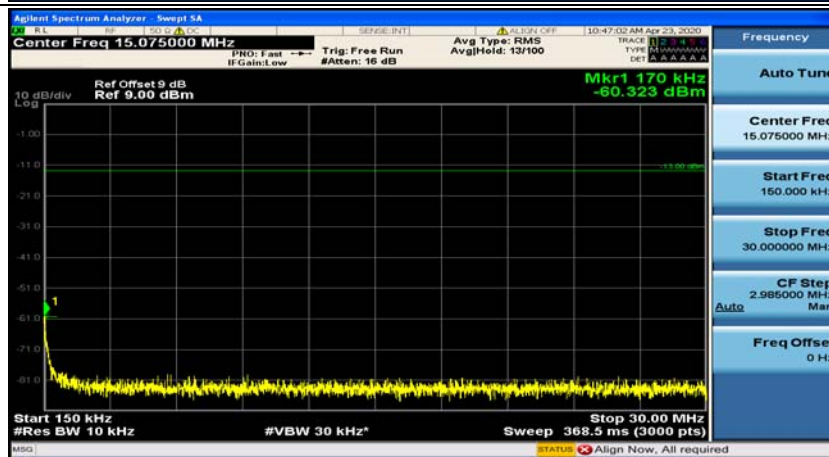
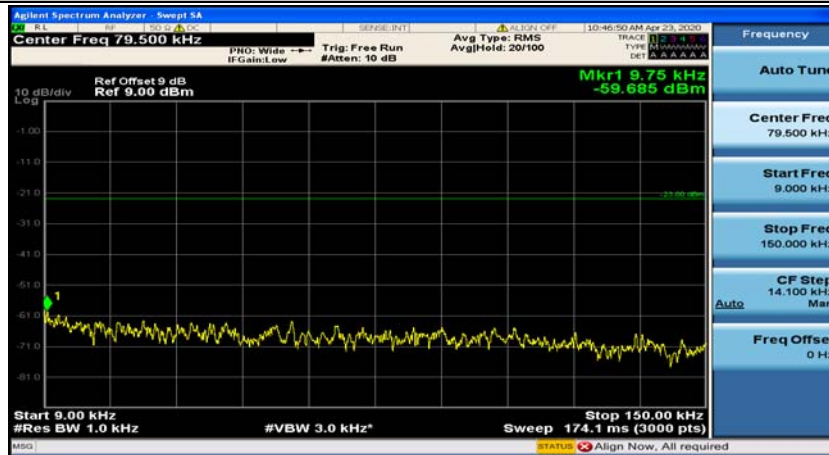


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

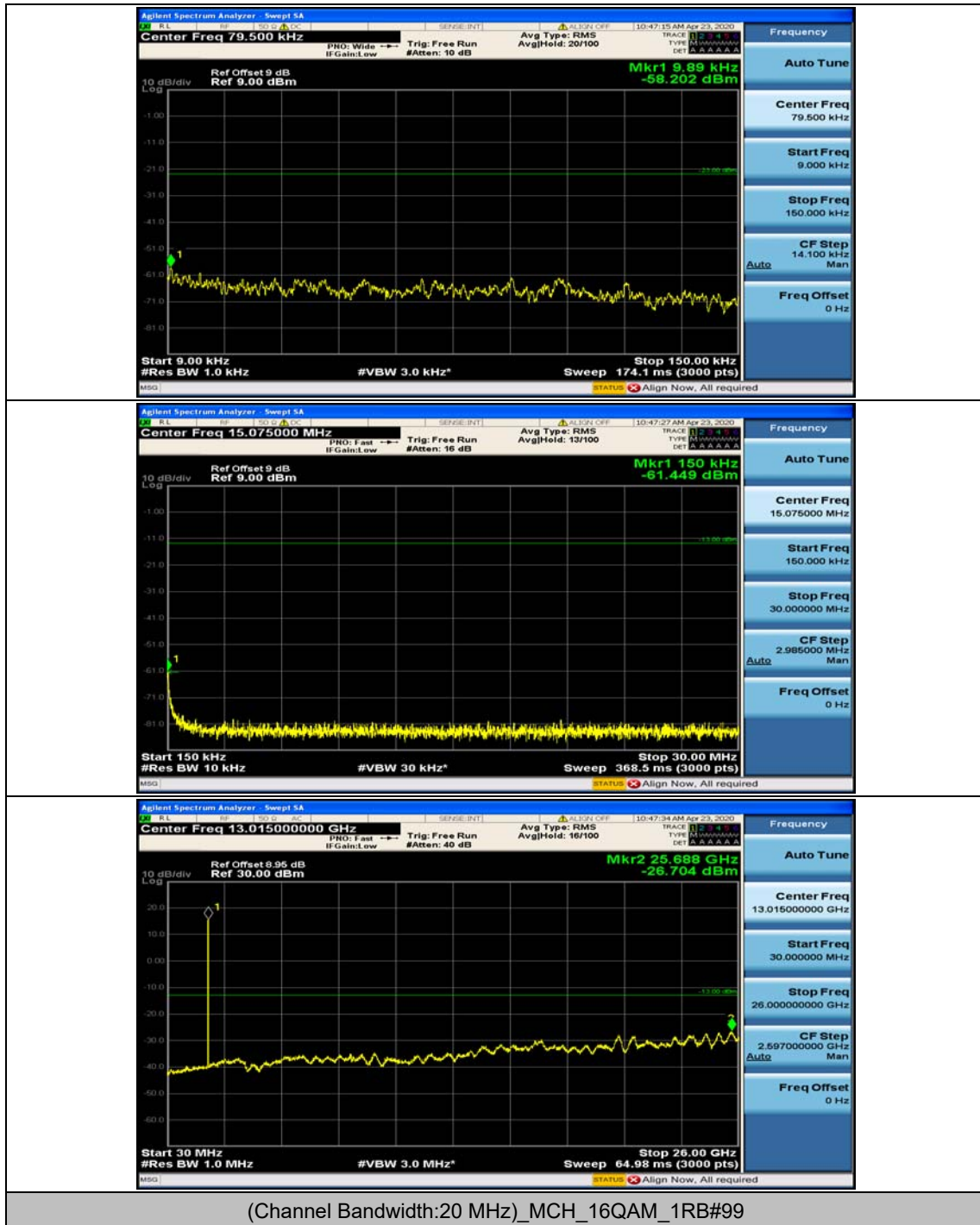


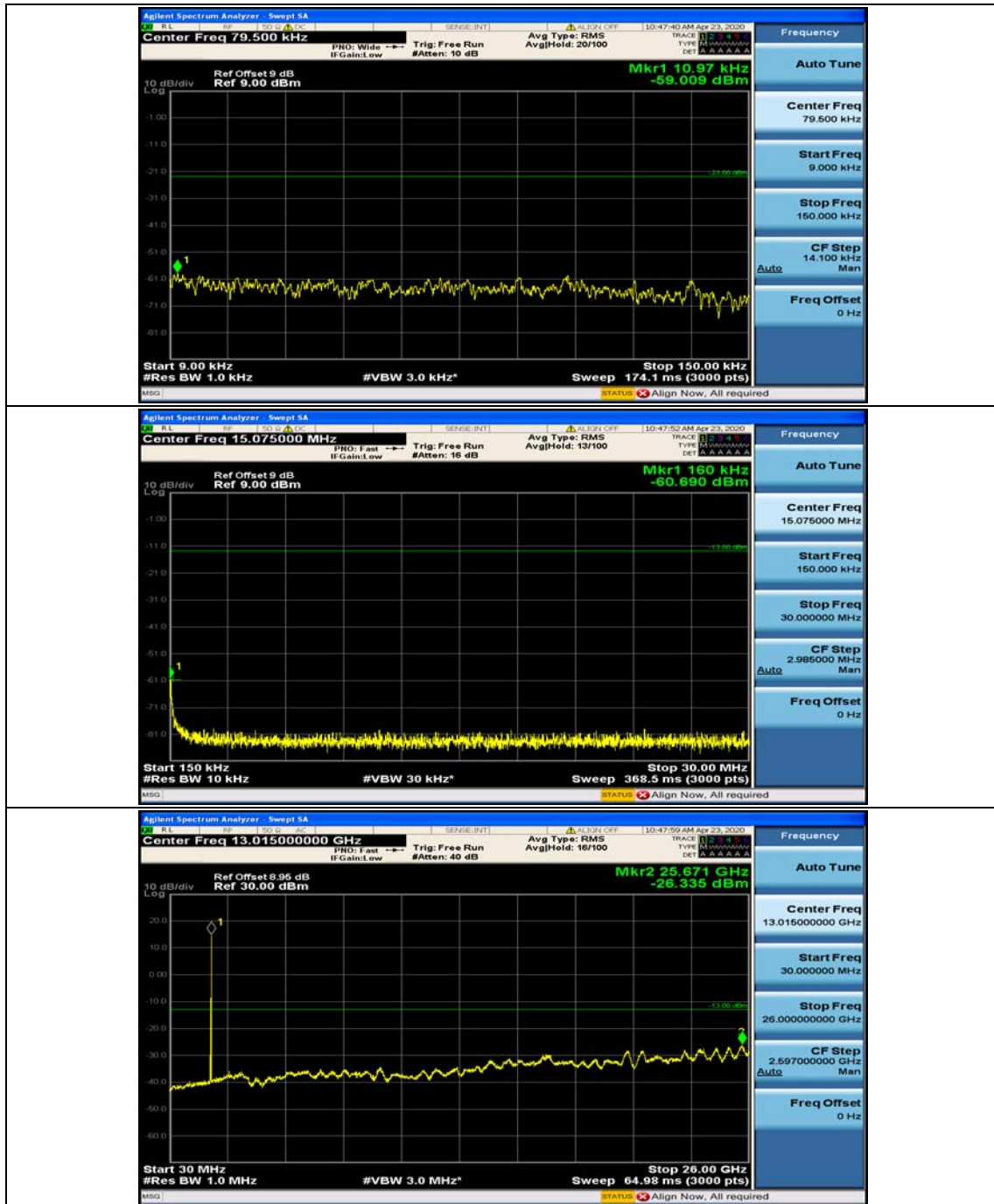


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

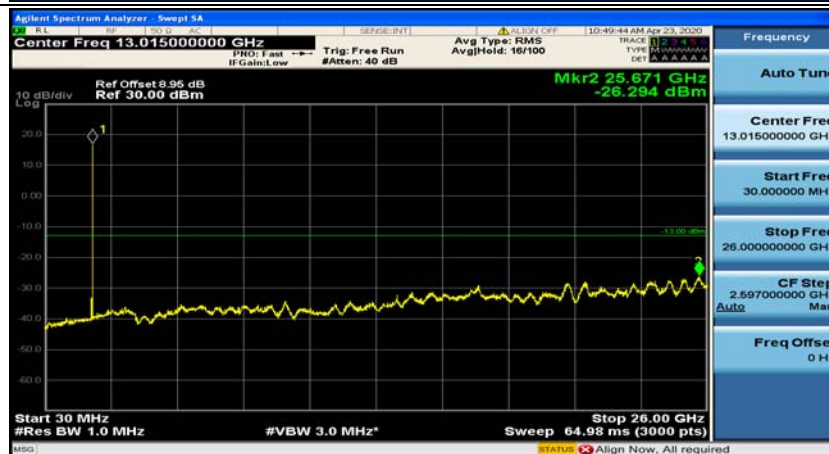
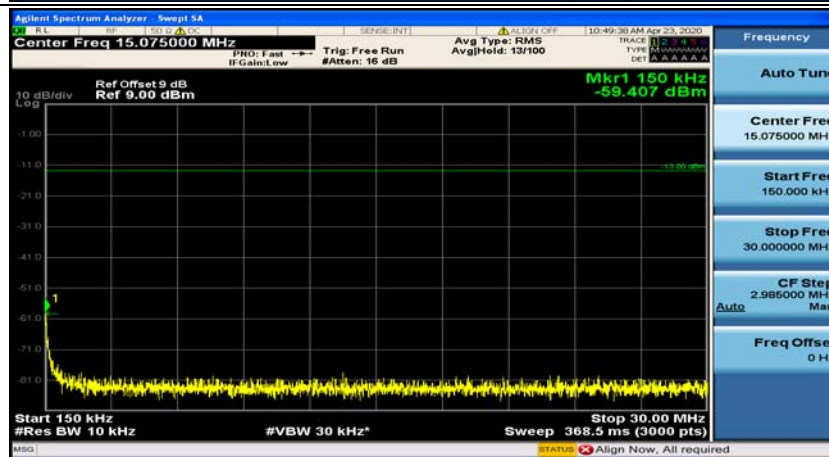
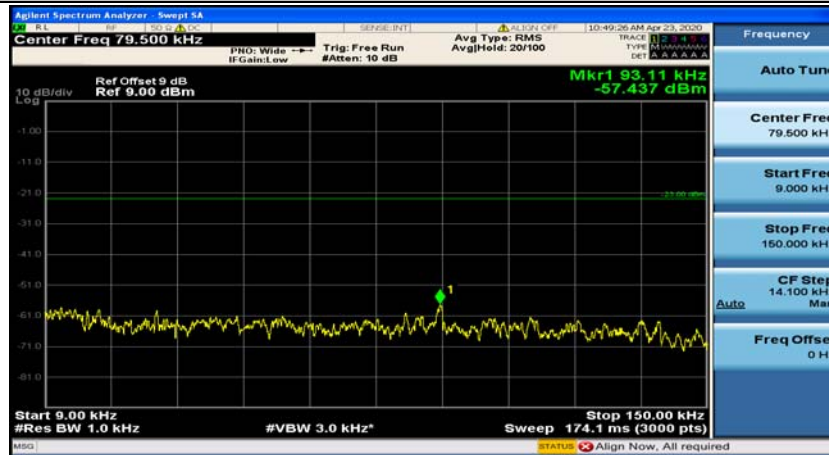


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

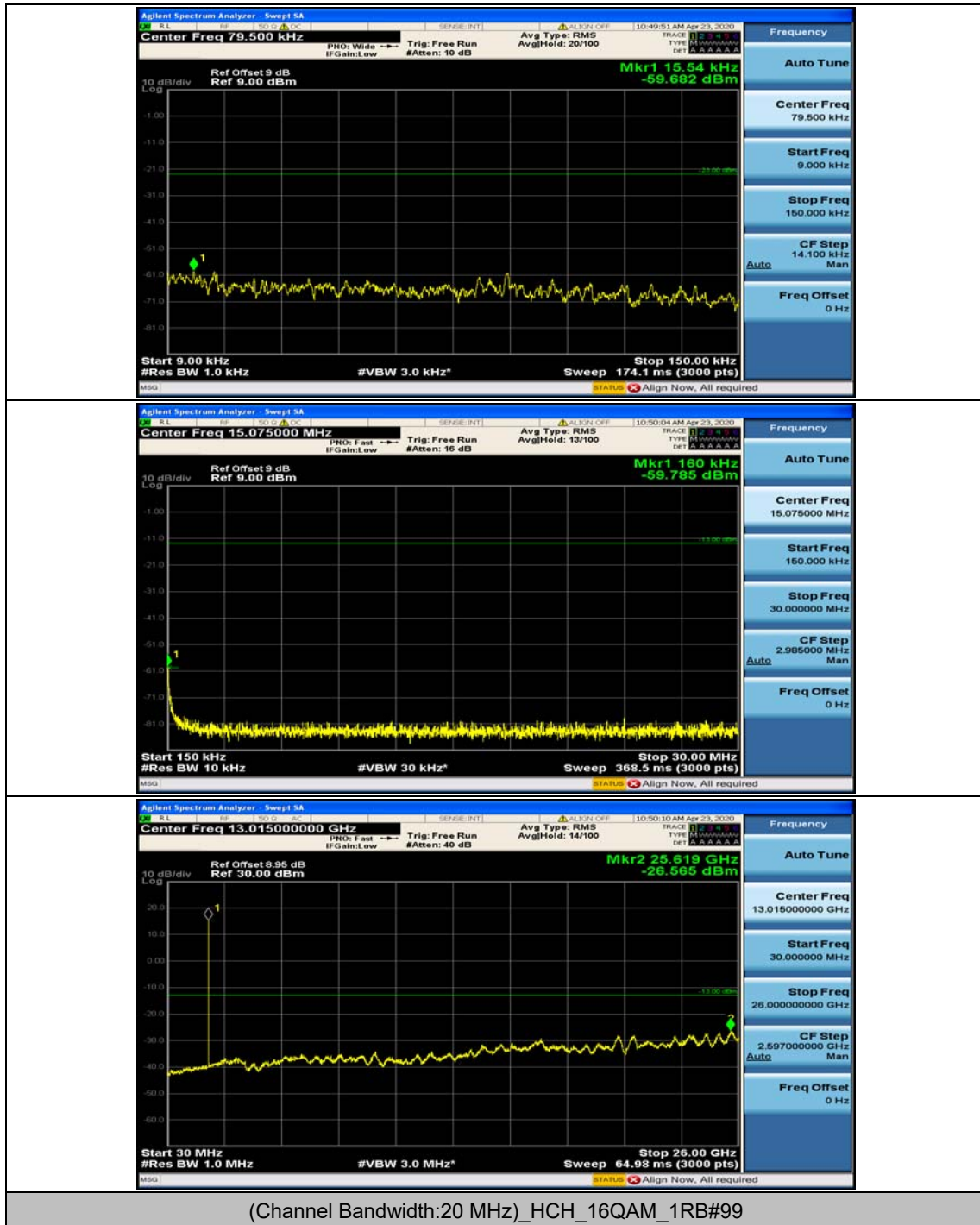


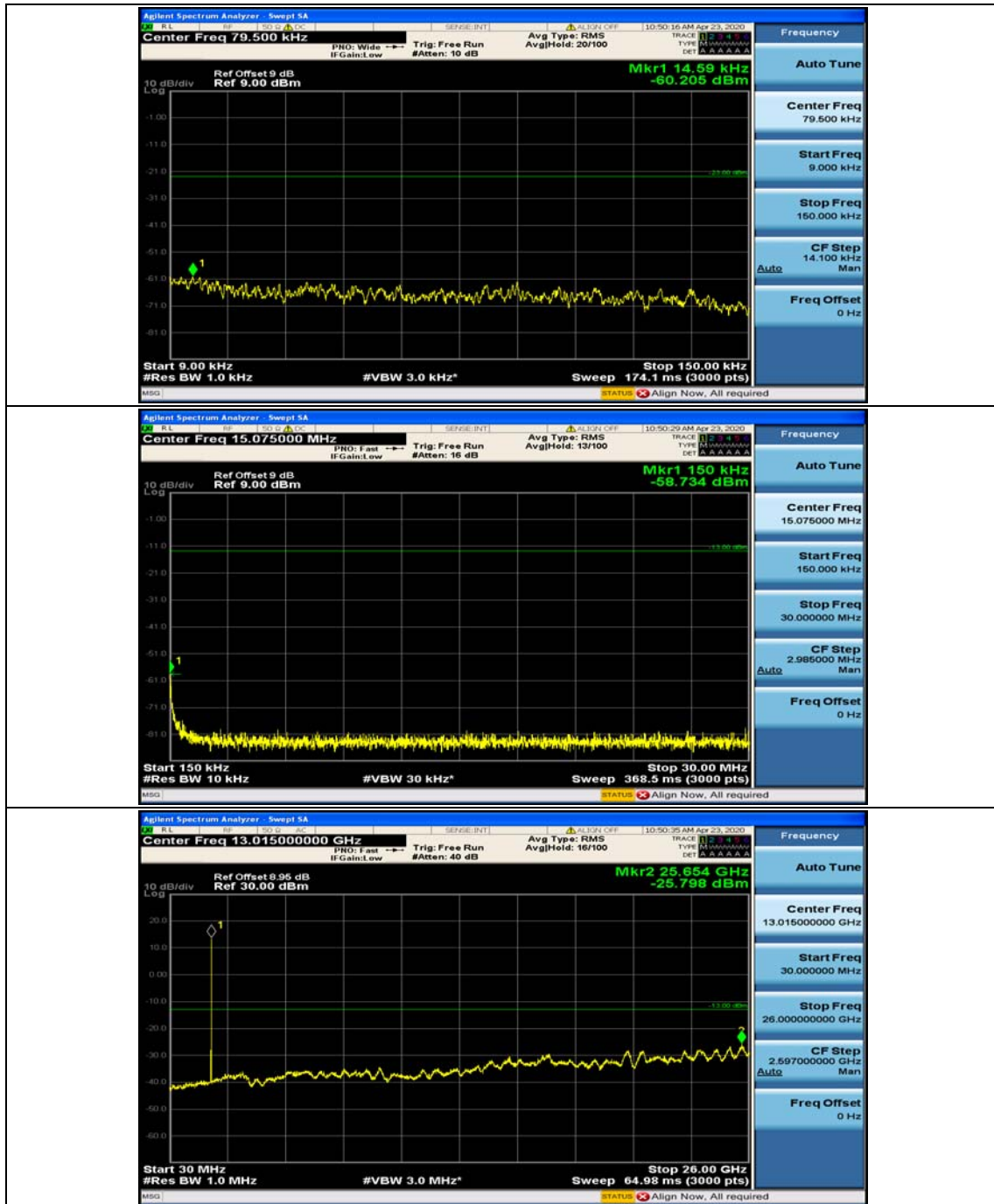


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	0.46	0.000249	± 2.5	PASS
		VN	TN	1.41	0.000762	± 2.5	PASS
		VH	TN	0.86	0.000465	± 2.5	PASS
	MCH	VL	TN	-1.24	-0.000660	± 2.5	PASS
		VN	TN	-1.63	-0.000867	± 2.5	PASS
		VH	TN	3	0.001596	± 2.5	PASS
	HCH	VL	TN	3.34	0.001749	± 2.5	PASS
		VN	TN	4.86	0.002545	± 2.5	PASS
		VH	TN	3.49	0.001828	± 2.5	PASS
16QAM	LCH	VL	TN	4.72	0.002550	± 2.5	PASS
		VN	TN	3.93	0.002124	± 2.5	PASS
		VH	TN	2.53	0.001367	± 2.5	PASS
	MCH	VL	TN	2.72	0.001447	± 2.5	PASS
		VN	TN	-1.56	-0.000830	± 2.5	PASS
		VH	TN	2.76	0.001468	± 2.5	PASS
	HCH	VL	TN	1.08	0.000566	± 2.5	PASS
		VN	TN	-1.98	-0.001037	± 2.5	PASS
		VH	TN	0.07	0.000037	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.04	0.001102	± 2.5	PASS
		VN	-20	2.66	0.001437	± 2.5	PASS
		VN	-10	0.4	0.000216	± 2.5	PASS
		VN	0	2.42	0.001308	± 2.5	PASS
		VN	10	1.21	0.000654	± 2.5	PASS
		VN	20	1.45	0.000783	± 2.5	PASS
		VN	30	2.18	0.001178	± 2.5	PASS
		VN	40	1.42	0.000767	± 2.5	PASS
		VN	50	-0.66	-0.000357	± 2.5	PASS
	MCH	VN	-30	-1.89	-0.001005	± 2.5	PASS



		VN	-20	-1.37	-0.000729	± 2.5	PASS
		VN	-10	3.38	0.001798	± 2.5	PASS
		VN	0	1.95	0.001037	± 2.5	PASS
		VN	10	-1.27	-0.000676	± 2.5	PASS
		VN	20	0.53	0.000282	± 2.5	PASS
		VN	30	-1.84	-0.000979	± 2.5	PASS
		VN	40	-0.19	-0.000101	± 2.5	PASS
		VN	50	0.82	0.000436	± 2.5	PASS
	HCH	VN	-30	4.51	0.002362	± 2.5	PASS
		VN	-20	-1.51	-0.000791	± 2.5	PASS
		VN	-10	4.35	0.002278	± 2.5	PASS
		VN	0	0.17	0.000089	± 2.5	PASS
		VN	10	-1.96	-0.001027	± 2.5	PASS
		VN	20	-1.45	-0.000759	± 2.5	PASS
		VN	30	4.76	0.002493	± 2.5	PASS
		VN	40	-1.72	-0.000901	± 2.5	PASS
		VN	50	1.68	0.000880	± 2.5	PASS
		VN	-30	-1.78	-0.000962	± 2.5	PASS
16QAM	LCH	VN	-20	3.24	0.001751	± 2.5	PASS
		VN	-10	-0.81	-0.000438	± 2.5	PASS
		VN	0	4.65	0.002513	± 2.5	PASS
		VN	10	3.43	0.001853	± 2.5	PASS
		VN	20	1.66	0.000897	± 2.5	PASS
		VN	30	-1.99	-0.001075	± 2.5	PASS
		VN	40	-0.09	-0.000049	± 2.5	PASS
		VN	50	4.68	0.002529	± 2.5	PASS
	MCH	VN	-30	0.02	0.000011	± 2.5	PASS
		VN	-20	-0.79	-0.000420	± 2.5	PASS
		VN	-10	0.34	0.000181	± 2.5	PASS
		VN	0	3.71	0.001973	± 2.5	PASS
		VN	10	0.59	0.000314	± 2.5	PASS
		VN	20	1.29	0.000686	± 2.5	PASS
		VN	30	0.1	0.000053	± 2.5	PASS
		VN	40	3.52	0.001872	± 2.5	PASS
		VN	50	-0.03	-0.000016	± 2.5	PASS
	HCH	VN	-30	1.62	0.000848	± 2.5	PASS
		VN	-20	0.41	0.000215	± 2.5	PASS
		VN	-10	-0.81	-0.000424	± 2.5	PASS
		VN	0	0.72	0.000377	± 2.5	PASS
		VN	10	4.53	0.002373	± 2.5	PASS
		VN	20	0.71	0.000372	± 2.5	PASS



		VN	30	4.65	0.002435	± 2.5	PASS
		VN	40	3.18	0.001666	± 2.5	PASS
		VN	50	-0.71	-0.000372	± 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	4.15	0.002241	± 2.5	PASS
		VN	TN	1.73	0.000934	± 2.5	PASS
		VH	TN	3.42	0.001847	± 2.5	PASS
	MCH	VL	TN	4.5	0.002394	± 2.5	PASS
		VN	TN	-0.72	-0.000383	± 2.5	PASS
		VH	TN	2.76	0.001468	± 2.5	PASS
	HCH	VL	TN	0.36	0.000189	± 2.5	PASS
		VN	TN	-0.5	-0.000262	± 2.5	PASS
		VH	TN	3.42	0.001792	± 2.5	PASS
16QAM	LCH	VL	TN	2.18	0.001177	± 2.5	PASS
		VN	TN	3.18	0.001718	± 2.5	PASS
		VH	TN	1.47	0.000794	± 2.5	PASS
	MCH	VL	TN	3.97	0.002112	± 2.5	PASS
		VN	TN	1.9	0.001011	± 2.5	PASS
		VH	TN	2.85	0.001516	± 2.5	PASS
	HCH	VL	TN	-0.04	-0.000021	± 2.5	PASS
		VN	TN	4.59	0.002405	± 2.5	PASS
		VH	TN	3.37	0.001766	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.48	0.000799	± 2.5	PASS
		VN	-20	4.25	0.002295	± 2.5	PASS
		VN	-10	4.68	0.002528	± 2.5	PASS
		VN	0	4.67	0.002522	± 2.5	PASS
		VN	10	-1.85	-0.000999	± 2.5	PASS
		VN	20	3.97	0.002144	± 2.5	PASS
		VN	30	0.96	0.000518	± 2.5	PASS
		VN	40	1.39	0.000751	± 2.5	PASS
		VN	50	4.73	0.002555	± 2.5	PASS
	MCH	VN	-30	0.04	0.000021	± 2.5	PASS
		VN	-20	2.54	0.001351	± 2.5	PASS



		VN	-10	-1.04	-0.000553	± 2.5	PASS
		VN	0	4.14	0.002202	± 2.5	PASS
		VN	10	4.24	0.002255	± 2.5	PASS
		VN	20	1.9	0.001011	± 2.5	PASS
		VN	30	4.71	0.002505	± 2.5	PASS
		VN	40	1.7	0.000904	± 2.5	PASS
		VN	50	0.44	0.000234	± 2.5	PASS
	HCH	VN	-30	2.11	0.001106	± 2.5	PASS
		VN	-20	-0.96	-0.000503	± 2.5	PASS
		VN	-10	3.65	0.001912	± 2.5	PASS
		VN	0	4.1	0.002148	± 2.5	PASS
		VN	10	3.44	0.001802	± 2.5	PASS
		VN	20	2.14	0.001121	± 2.5	PASS
		VN	30	3	0.001572	± 2.5	PASS
		VN	40	-1.7	-0.000891	± 2.5	PASS
		VN	50	0.65	0.000341	± 2.5	PASS
16QAM	LCH	VN	-30	4.55	0.002457	± 2.5	PASS
		VN	-20	2.25	0.001215	± 2.5	PASS
		VN	-10	3.16	0.001707	± 2.5	PASS
		VN	0	4.34	0.002344	± 2.5	PASS
		VN	10	1.25	0.000675	± 2.5	PASS
		VN	20	-0.13	-0.000070	± 2.5	PASS
		VN	30	4.83	0.002609	± 2.5	PASS
		VN	40	3.13	0.001691	± 2.5	PASS
		VN	50	-0.82	-0.000443	± 2.5	PASS
	MCH	VN	-30	4.84	0.002574	± 2.5	PASS
		VN	-20	-1.39	-0.000739	± 2.5	PASS
		VN	-10	1.33	0.000707	± 2.5	PASS
		VN	0	3.83	0.002037	± 2.5	PASS
		VN	10	-1.74	-0.000926	± 2.5	PASS
		VN	20	-0.75	-0.000399	± 2.5	PASS
		VN	30	0.21	0.000112	± 2.5	PASS
		VN	40	1.43	0.000761	± 2.5	PASS
		VN	50	4.89	0.002601	± 2.5	PASS
	HCH	VN	-30	3.15	0.001651	± 2.5	PASS
		VN	-20	2.95	0.001546	± 2.5	PASS
		VN	-10	1.46	0.000765	± 2.5	PASS
		VN	0	4.25	0.002227	± 2.5	PASS
		VN	10	-1.95	-0.001022	± 2.5	PASS
		VN	20	-1.52	-0.000796	± 2.5	PASS
		VN	30	-0.12	-0.000063	± 2.5	PASS



		VN	40	0.8	0.000419	± 2.5	PASS
		VN	50	3.98	0.002085	± 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	-1.68	-0.000907	± 2.5	PASS
		VN	TN	0.65	0.000351	± 2.5	PASS
		VH	TN	4.71	0.002543	± 2.5	PASS
	MCH	VL	TN	-0.21	-0.000112	± 2.5	PASS
		VN	TN	4.18	0.002223	± 2.5	PASS
		VH	TN	1.77	0.000941	± 2.5	PASS
	HCH	VL	TN	3.29	0.001725	± 2.5	PASS
		VN	TN	1.53	0.000802	± 2.5	PASS
		VH	TN	0.16	0.000084	± 2.5	PASS
16QAM	LCH	VL	TN	3.15	0.001700	± 2.5	PASS
		VN	TN	0.02	0.000011	± 2.5	PASS
		VH	TN	0.58	0.000313	± 2.5	PASS
	MCH	VL	TN	3.3	0.001755	± 2.5	PASS
		VN	TN	0.91	0.000484	± 2.5	PASS
		VH	TN	2.42	0.001287	± 2.5	PASS
	HCH	VL	TN	3.91	0.002050	± 2.5	PASS
		VN	TN	1.54	0.000807	± 2.5	PASS
		VH	TN	0.21	0.000110	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.77	0.000955	± 2.5	PASS
		VN	-20	4.06	0.002192	± 2.5	PASS
		VN	-10	-1.39	-0.000750	± 2.5	PASS
		VN	0	-1.73	-0.000934	± 2.5	PASS
		VN	10	0.97	0.000524	± 2.5	PASS
		VN	20	-0.33	-0.000178	± 2.5	PASS
		VN	30	0.16	0.000086	± 2.5	PASS
		VN	40	0.3	0.000162	± 2.5	PASS
		VN	50	1.88	0.001015	± 2.5	PASS
	MCH	VN	-30	3.36	0.001787	± 2.5	PASS
		VN	-20	0.29	0.000154	± 2.5	PASS
		VN	-10	1.64	0.000872	± 2.5	PASS



		VN	0	4.67	0.002484	± 2.5	PASS
		VN	10	4.63	0.002463	± 2.5	PASS
		VN	20	-0.01	-0.000005	± 2.5	PASS
		VN	30	0.63	0.000335	± 2.5	PASS
		VN	40	-0.53	-0.000282	± 2.5	PASS
		VN	50	0.64	0.000340	± 2.5	PASS
	HCH	VN	-30	-0.11	-0.000058	± 2.5	PASS
		VN	-20	3.25	0.001704	± 2.5	PASS
		VN	-10	1.06	0.000556	± 2.5	PASS
		VN	0	-0.8	-0.000419	± 2.5	PASS
		VN	10	-0.9	-0.000472	± 2.5	PASS
		VN	20	-1.19	-0.000624	± 2.5	PASS
		VN	30	-1.09	-0.000571	± 2.5	PASS
		VN	40	3.98	0.002087	± 2.5	PASS
		VN	50	-1.04	-0.000545	± 2.5	PASS
16QAM	LCH	VN	-30	-1.95	-0.001053	± 2.5	PASS
		VN	-20	4.24	0.002289	± 2.5	PASS
		VN	-10	3.83	0.002067	± 2.5	PASS
		VN	0	4.1	0.002213	± 2.5	PASS
		VN	10	3.53	0.001906	± 2.5	PASS
		VN	20	-1.89	-0.001020	± 2.5	PASS
		VN	30	2.37	0.001279	± 2.5	PASS
		VN	40	4.23	0.002283	± 2.5	PASS
		VN	50	-0.95	-0.000513	± 2.5	PASS
	MCH	VN	-30	3.28	0.001745	± 2.5	PASS
		VN	-20	1.44	0.000766	± 2.5	PASS
		VN	-10	1.91	0.001016	± 2.5	PASS
		VN	0	1.53	0.000814	± 2.5	PASS
		VN	10	2.56	0.001362	± 2.5	PASS
		VN	20	-0.89	-0.000473	± 2.5	PASS
		VN	30	2.07	0.001101	± 2.5	PASS
		VN	40	1.9	0.001011	± 2.5	PASS
		VN	50	2.63	0.001399	± 2.5	PASS
	HCH	VN	-30	2.67	0.001400	± 2.5	PASS
		VN	-20	-0.86	-0.000451	± 2.5	PASS
		VN	-10	3.94	0.002066	± 2.5	PASS
		VN	0	4.07	0.002134	± 2.5	PASS
		VN	10	1.67	0.000875	± 2.5	PASS
		VN	20	0.1	0.000052	± 2.5	PASS
		VN	30	-0.66	-0.000346	± 2.5	PASS
		VN	40	4.16	0.002181	± 2.5	PASS



		VN	50	4.8	0.002516	± 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	1.13	0.000609	± 2.5	PASS
		VN	TN	-1.1	-0.000593	± 2.5	PASS
		VH	TN	4.3	0.002318	± 2.5	PASS
	MCH	VL	TN	4.63	0.002463	± 2.5	PASS
		VN	TN	1.61	0.000856	± 2.5	PASS
		VH	TN	3.79	0.002016	± 2.5	PASS
	HCH	VL	TN	1.03	0.000541	± 2.5	PASS
		VN	TN	0.12	0.000063	± 2.5	PASS
		VH	TN	-0.43	-0.000226	± 2.5	PASS
16QAM	LCH	VL	TN	4.42	0.002383	± 2.5	PASS
		VN	TN	3.86	0.002081	± 2.5	PASS
		VH	TN	2.16	0.001164	± 2.5	PASS
	MCH	VL	TN	4.08	0.002170	± 2.5	PASS
		VN	TN	2.08	0.001106	± 2.5	PASS
		VH	TN	-1.76	-0.000936	± 2.5	PASS
	HCH	VL	TN	3.01	0.001580	± 2.5	PASS
		VN	TN	0.52	0.000273	± 2.5	PASS
		VH	TN	2.38	0.001249	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.28	0.002307	± 2.5	PASS
		VN	-20	-1.99	-0.001073	± 2.5	PASS
		VN	-10	3.77	0.002032	± 2.5	PASS
		VN	0	4.25	0.002291	± 2.5	PASS
		VN	10	0.27	0.000146	± 2.5	PASS
		VN	20	4.66	0.002512	± 2.5	PASS
		VN	30	3.14	0.001693	± 2.5	PASS
		VN	40	2.94	0.001585	± 2.5	PASS
		VN	50	4.18	0.002253	± 2.5	PASS
	MCH	VN	-30	3.95	0.002101	± 2.5	PASS
		VN	-20	2.42	0.001287	± 2.5	PASS
		VN	-10	-0.94	-0.000500	± 2.5	PASS
		VN	0	1.49	0.000793	± 2.5	PASS



		VN	10	4.99	0.002654	± 2.5	PASS
		VN	20	-0.31	-0.000165	± 2.5	PASS
		VN	30	2.83	0.001505	± 2.5	PASS
		VN	40	-1.05	-0.000559	± 2.5	PASS
		VN	50	3.54	0.001883	± 2.5	PASS
	HCH	VN	-30	2.63	0.001381	± 2.5	PASS
		VN	-20	2.92	0.001533	± 2.5	PASS
		VN	-10	0.75	0.000394	± 2.5	PASS
		VN	0	-0.51	-0.000268	± 2.5	PASS
		VN	10	3.26	0.001711	± 2.5	PASS
		VN	20	3.54	0.001858	± 2.5	PASS
		VN	30	-1.91	-0.001003	± 2.5	PASS
		VN	40	3.84	0.002016	± 2.5	PASS
		VN	50	3.07	0.001612	± 2.5	PASS
		VN	-30	1.87	0.001008	± 2.5	PASS
16QAM	LCH	VN	-20	0.49	0.000264	± 2.5	PASS
		VN	-10	0.93	0.000501	± 2.5	PASS
		VN	0	0.76	0.000410	± 2.5	PASS
		VN	10	4.82	0.002598	± 2.5	PASS
		VN	20	1.67	0.000900	± 2.5	PASS
		VN	30	1.46	0.000787	± 2.5	PASS
		VN	40	1.18	0.000636	± 2.5	PASS
		VN	50	1.98	0.001067	± 2.5	PASS
	MCH	VN	-30	-1.01	-0.000537	± 2.5	PASS
		VN	-20	-1.75	-0.000931	± 2.5	PASS
		VN	-10	4.37	0.002324	± 2.5	PASS
		VN	0	-1.56	-0.000830	± 2.5	PASS
		VN	10	-1.49	-0.000793	± 2.5	PASS
		VN	20	1.5	0.000798	± 2.5	PASS
		VN	30	3.31	0.001761	± 2.5	PASS
		VN	40	-1.75	-0.000931	± 2.5	PASS
		VN	50	2.53	0.001346	± 2.5	PASS
	HCH	VN	-30	1.26	0.000661	± 2.5	PASS
		VN	-20	1.89	0.000992	± 2.5	PASS
		VN	-10	-0.33	-0.000173	± 2.5	PASS
		VN	0	3.69	0.001937	± 2.5	PASS
		VN	10	2.42	0.001270	± 2.5	PASS
		VN	20	0.16	0.000084	± 2.5	PASS
		VN	30	4.17	0.002189	± 2.5	PASS
		VN	40	4.61	0.002420	± 2.5	PASS
		VN	50	-1.36	-0.000714	± 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	-0.94	-0.000506	± 2.5	PASS
		VN	TN	-1.3	-0.000700	± 2.5	PASS
		VH	TN	-0.52	-0.000280	± 2.5	PASS
	MCH	VL	TN	4.61	0.002452	± 2.5	PASS
		VN	TN	1.15	0.000612	± 2.5	PASS
		VH	TN	3.27	0.001739	± 2.5	PASS
	HCH	VL	TN	2.16	0.001135	± 2.5	PASS
		VN	TN	0.97	0.000510	± 2.5	PASS
		VH	TN	0.75	0.000394	± 2.5	PASS
16QAM	LCH	VL	TN	1.98	0.001066	± 2.5	PASS
		VN	TN	3.86	0.002078	± 2.5	PASS
		VH	TN	0.04	0.000022	± 2.5	PASS
	MCH	VL	TN	0.17	0.000090	± 2.5	PASS
		VN	TN	3.45	0.001835	± 2.5	PASS
		VH	TN	1.43	0.000761	± 2.5	PASS
	HCH	VL	TN	4.67	0.002455	± 2.5	PASS
		VN	TN	-0.02	-0.000011	± 2.5	PASS
		VH	TN	1.97	0.001035	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.01	0.000005	± 2.5	PASS
		VN	-20	-1.6	-0.000861	± 2.5	PASS
		VN	-10	3.93	0.002116	± 2.5	PASS
		VN	0	-0.88	-0.000474	± 2.5	PASS
		VN	10	2.5	0.001346	± 2.5	PASS
		VN	20	-1.1	-0.000592	± 2.5	PASS
		VN	30	2.32	0.001249	± 2.5	PASS
		VN	40	3.01	0.001620	± 2.5	PASS
		VN	50	0.34	0.000183	± 2.5	PASS
	MCH	VN	-30	2.31	0.001229	± 2.5	PASS
		VN	-20	-0.12	-0.000064	± 2.5	PASS
		VN	-10	0.76	0.000404	± 2.5	PASS
		VN	0	3.91	0.002080	± 2.5	PASS
		VN	10	4.96	0.002638	± 2.5	PASS
		VN	20	-0.24	-0.000128	± 2.5	PASS



		VN	30	0.59	0.000314	± 2.5	PASS
		VN	40	-0.89	-0.000473	± 2.5	PASS
		VN	50	4	0.002128	± 2.5	PASS
	HCH	VN	-30	3.34	0.001756	± 2.5	PASS
		VN	-20	1.61	0.000846	± 2.5	PASS
		VN	-10	-0.63	-0.000331	± 2.5	PASS
		VN	0	2.93	0.001540	± 2.5	PASS
		VN	10	1.37	0.000720	± 2.5	PASS
		VN	20	0.42	0.000221	± 2.5	PASS
		VN	30	1.99	0.001046	± 2.5	PASS
		VN	40	3.72	0.001955	± 2.5	PASS
		VN	50	-1.99	-0.001046	± 2.5	PASS
16QAM	LCH	VN	-30	3.38	0.001820	± 2.5	PASS
		VN	-20	3.13	0.001685	± 2.5	PASS
		VN	-10	3.46	0.001863	± 2.5	PASS
		VN	0	4.95	0.002665	± 2.5	PASS
		VN	10	0.86	0.000463	± 2.5	PASS
		VN	20	2.01	0.001082	± 2.5	PASS
		VN	30	2.71	0.001459	± 2.5	PASS
		VN	40	-1.07	-0.000576	± 2.5	PASS
		VN	50	2.02	0.001087	± 2.5	PASS
	MCH	VN	-30	3.16	0.001681	± 2.5	PASS
		VN	-20	0.19	0.000101	± 2.5	PASS
		VN	-10	4.76	0.002532	± 2.5	PASS
		VN	0	0.19	0.000101	± 2.5	PASS
		VN	10	-0.05	-0.000027	± 2.5	PASS
		VN	20	4.93	0.002622	± 2.5	PASS
		VN	30	3.72	0.001979	± 2.5	PASS
		VN	40	-1.91	-0.001016	± 2.5	PASS
		VN	50	1.76	0.000936	± 2.5	PASS
	HCH	VN	-30	4.18	0.002197	± 2.5	PASS
		VN	-20	-0.86	-0.000452	± 2.5	PASS
		VN	-10	-0.08	-0.000042	± 2.5	PASS
		VN	0	3.04	0.001598	± 2.5	PASS
		VN	10	0.91	0.000478	± 2.5	PASS
		VN	20	1	0.000526	± 2.5	PASS
		VN	30	0.6	0.000315	± 2.5	PASS
		VN	40	2.04	0.001072	± 2.5	PASS
		VN	50	3.95	0.002076	± 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	-0.31	-0.000167	± 2.5	PASS
		VN	TN	4.83	0.002597	± 2.5	PASS
		VH	TN	4.52	0.002430	± 2.5	PASS
	MCH	VL	TN	-1.93	-0.001027	± 2.5	PASS
		VN	TN	2.64	0.001404	± 2.5	PASS
		VH	TN	4.9	0.002606	± 2.5	PASS
	HCH	VL	TN	3.6	0.001895	± 2.5	PASS
		VN	TN	-1.69	-0.000889	± 2.5	PASS
		VH	TN	-1.21	-0.000637	± 2.5	PASS
16QAM	LCH	VL	TN	0.38	0.000204	± 2.5	PASS
		VN	TN	3.91	0.002102	± 2.5	PASS
		VH	TN	-1.49	-0.000801	± 2.5	PASS
	MCH	VL	TN	0.93	0.000495	± 2.5	PASS
		VN	TN	-1.88	-0.001000	± 2.5	PASS
		VH	TN	2.35	0.001250	± 2.5	PASS
	HCH	VL	TN	1.6	0.000842	± 2.5	PASS
		VN	TN	3.89	0.002047	± 2.5	PASS
		VH	TN	0.45	0.000237	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.77	0.002027	± 2.5	PASS
		VN	-20	2.58	0.001387	± 2.5	PASS
		VN	-10	1.93	0.001038	± 2.5	PASS
		VN	0	-1.47	-0.000790	± 2.5	PASS
		VN	10	-1.62	-0.000871	± 2.5	PASS
		VN	20	-0.84	-0.000452	± 2.5	PASS
		VN	30	4.42	0.002376	± 2.5	PASS
		VN	40	0.43	0.000231	± 2.5	PASS
		VN	50	-1.53	-0.000823	± 2.5	PASS
	MCH	VN	-30	3.56	0.001894	± 2.5	PASS
		VN	-20	-1.04	-0.000553	± 2.5	PASS
		VN	-10	0.22	0.000117	± 2.5	PASS
		VN	0	4.13	0.002197	± 2.5	PASS
		VN	10	0.74	0.000394	± 2.5	PASS
		VN	20	-0.14	-0.000074	± 2.5	PASS

		VN	30	2.83	0.001505	± 2.5	PASS
		VN	40	-1.23	-0.000654	± 2.5	PASS
		VN	50	4.77	0.002537	± 2.5	PASS
	HCH	VN	-30	-1.2	-0.000632	± 2.5	PASS
		VN	-20	3.85	0.002026	± 2.5	PASS
		VN	-10	-1.27	-0.000668	± 2.5	PASS
		VN	0	1.01	0.000532	± 2.5	PASS
		VN	10	2.92	0.001537	± 2.5	PASS
		VN	20	3.02	0.001589	± 2.5	PASS
		VN	30	1.04	0.000547	± 2.5	PASS
		VN	40	-1.86	-0.000979	± 2.5	PASS
		VN	50	2.4	0.001263	± 2.5	PASS
16QAM	LCH	VN	-30	3.59	0.001930	± 2.5	PASS
		VN	-20	3	0.001613	± 2.5	PASS
		VN	-10	1.71	0.000919	± 2.5	PASS
		VN	0	1.15	0.000618	± 2.5	PASS
		VN	10	4.9	0.002634	± 2.5	PASS
		VN	20	-0.99	-0.000532	± 2.5	PASS
		VN	30	-0.39	-0.000210	± 2.5	PASS
		VN	40	0.17	0.000091	± 2.5	PASS
		VN	50	-1.54	-0.000828	± 2.5	PASS
	MCH	VN	-30	2.73	0.001452	± 2.5	PASS
		VN	-20	4.01	0.002133	± 2.5	PASS
		VN	-10	-1.94	-0.001032	± 2.5	PASS
		VN	0	0.45	0.000239	± 2.5	PASS
		VN	10	2.55	0.001356	± 2.5	PASS
		VN	20	4.08	0.002170	± 2.5	PASS
		VN	30	0.67	0.000356	± 2.5	PASS
		VN	40	-0.13	-0.000069	± 2.5	PASS
		VN	50	4.55	0.002420	± 2.5	PASS
	HCH	VN	-30	0.47	0.000247	± 2.5	PASS
		VN	-20	3.37	0.001774	± 2.5	PASS
		VN	-10	-1.45	-0.000763	± 2.5	PASS
		VN	0	1.53	0.000805	± 2.5	PASS
		VN	10	0	0.000000	± 2.5	PASS
		VN	20	-0.08	-0.000042	± 2.5	PASS
		VN	30	3.18	0.001674	± 2.5	PASS
		VN	40	2.36	0.001242	± 2.5	PASS
		VN	50	2.47	0.001300	± 2.5	PASS