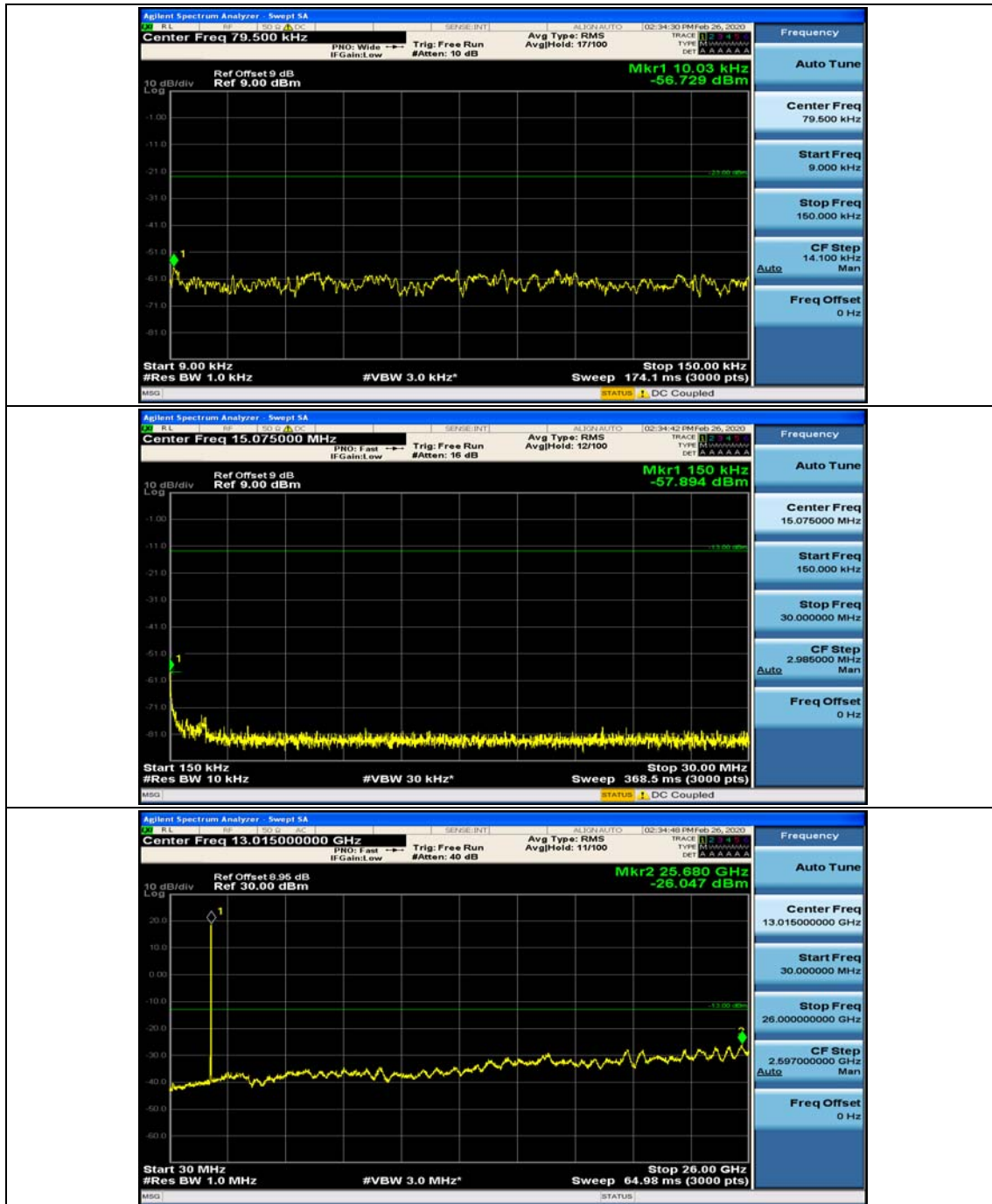
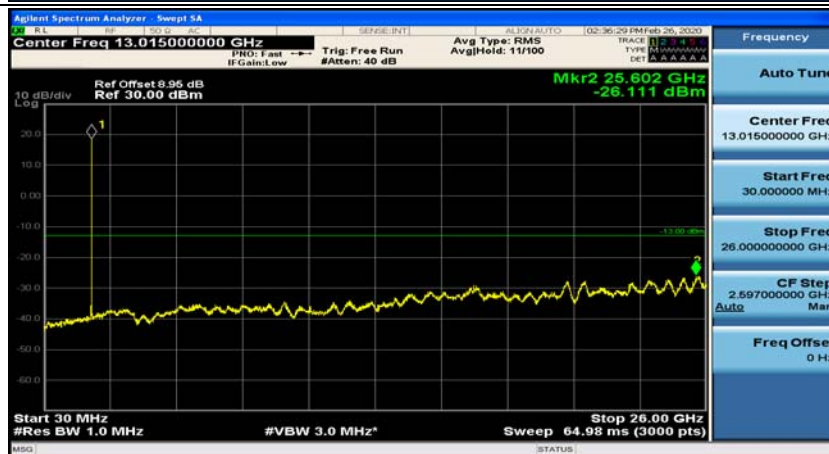
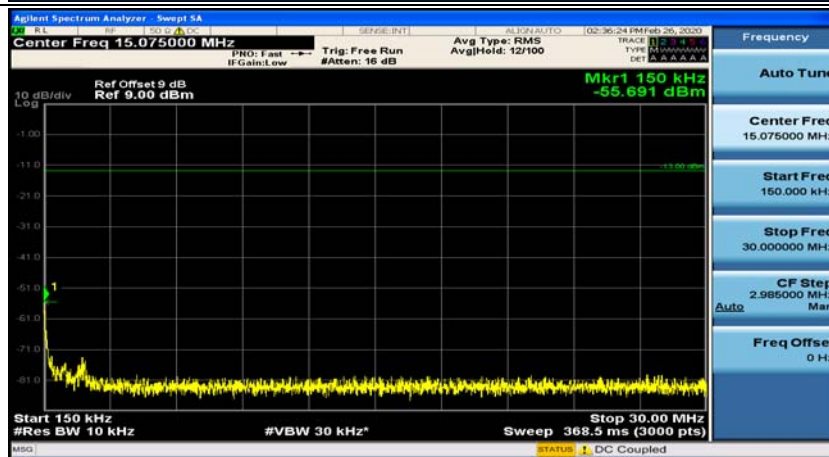
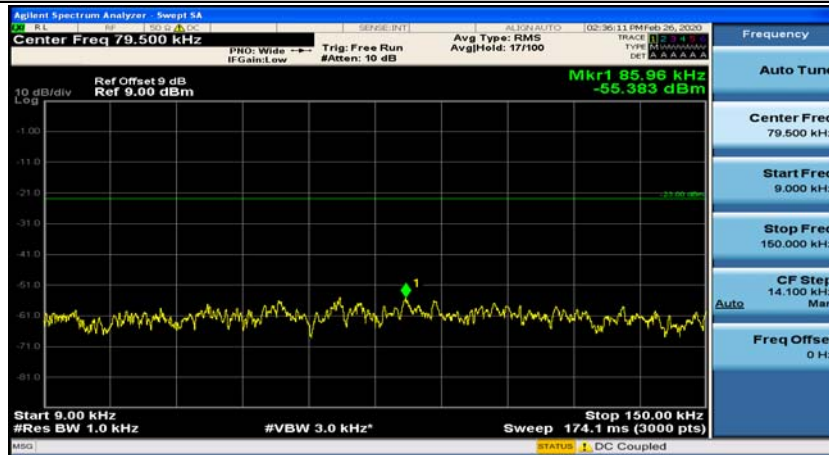
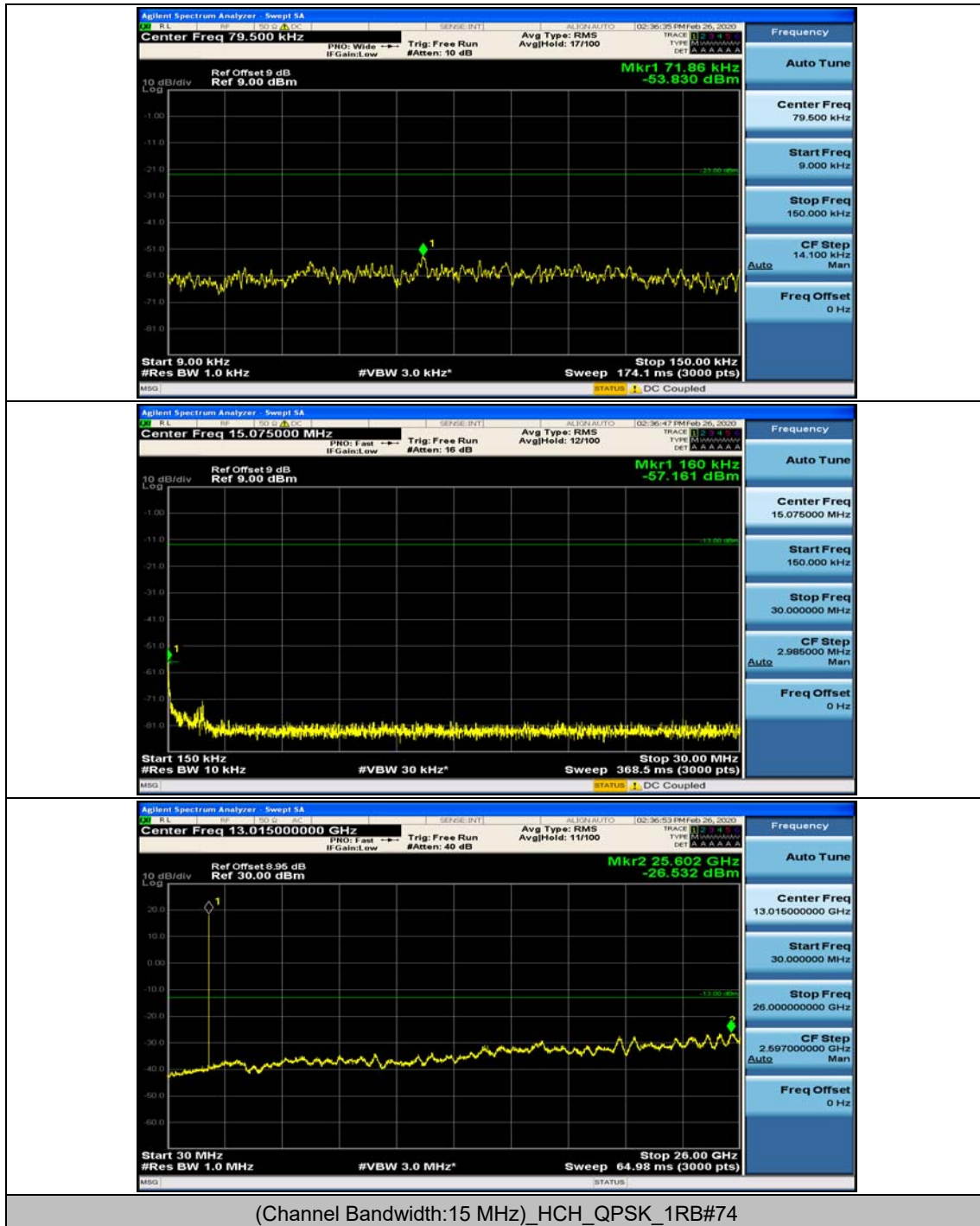


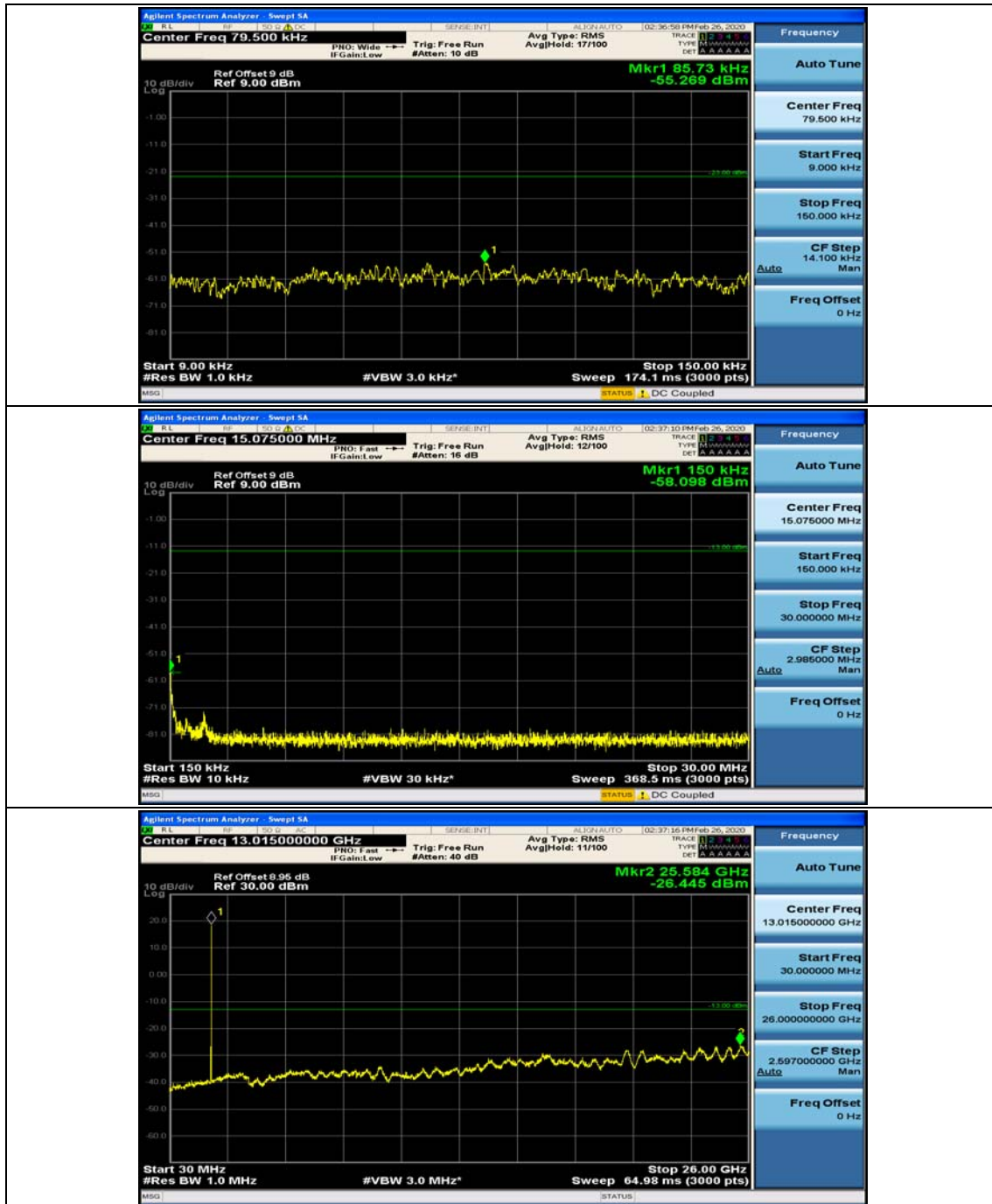


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

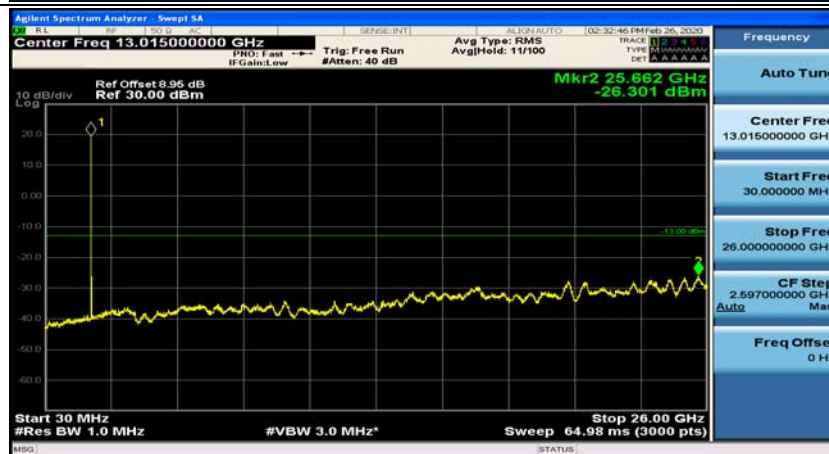
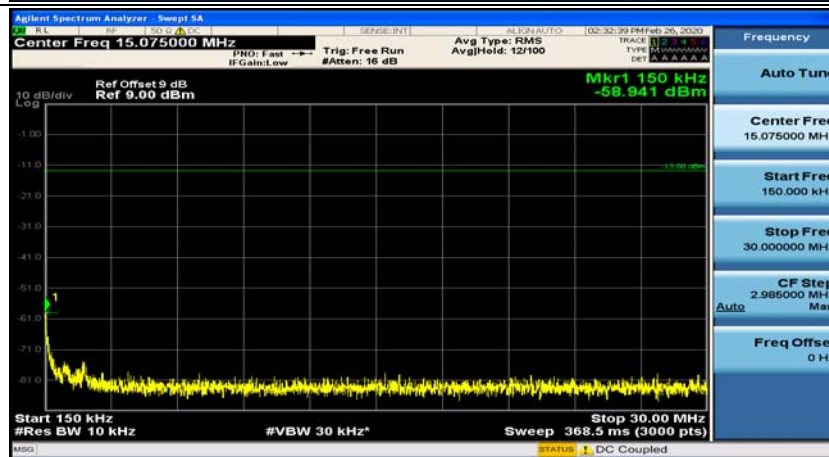
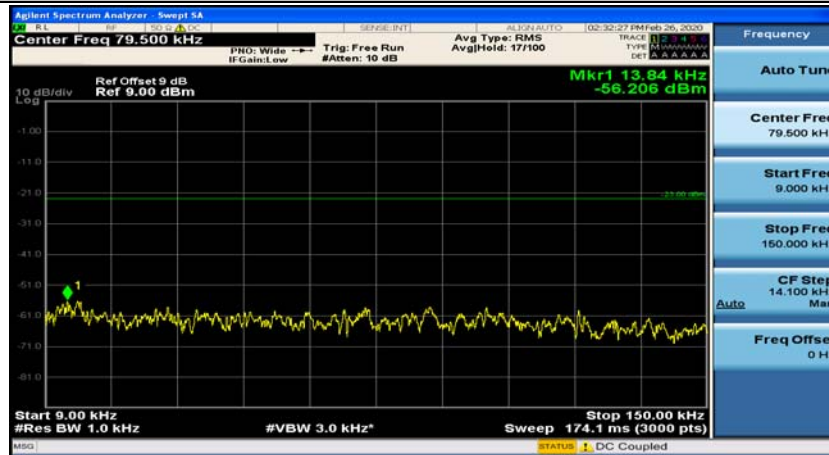


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

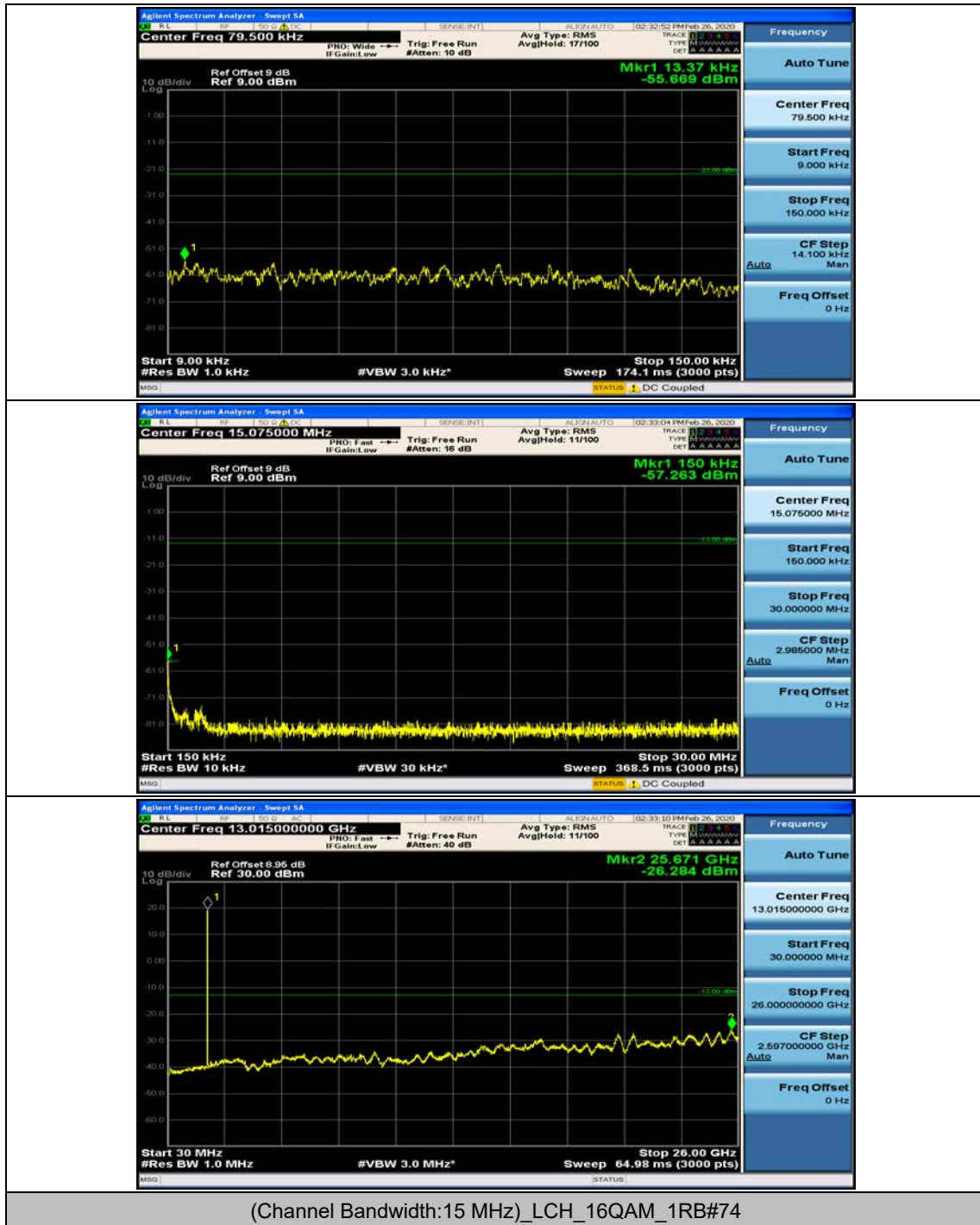


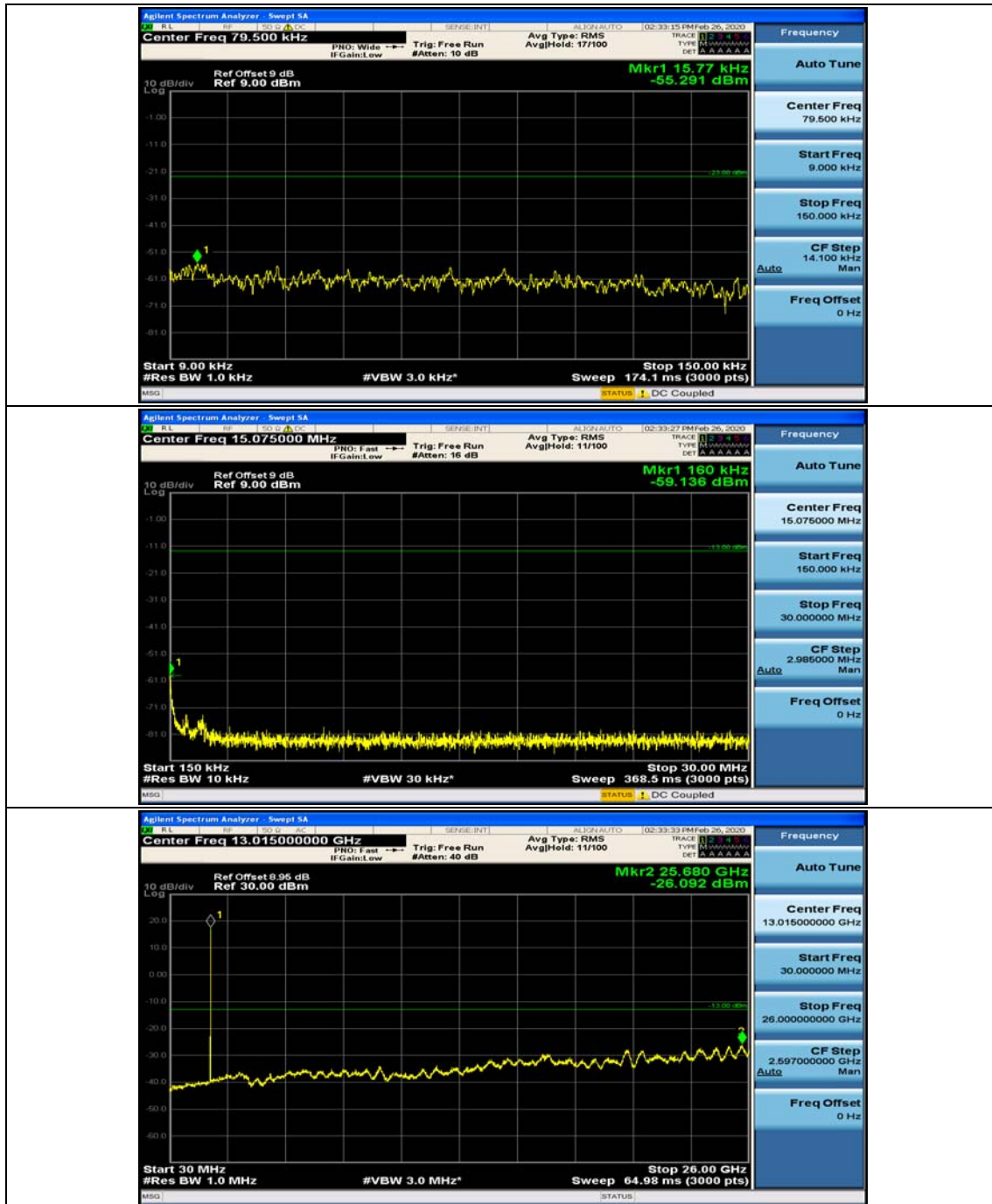


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

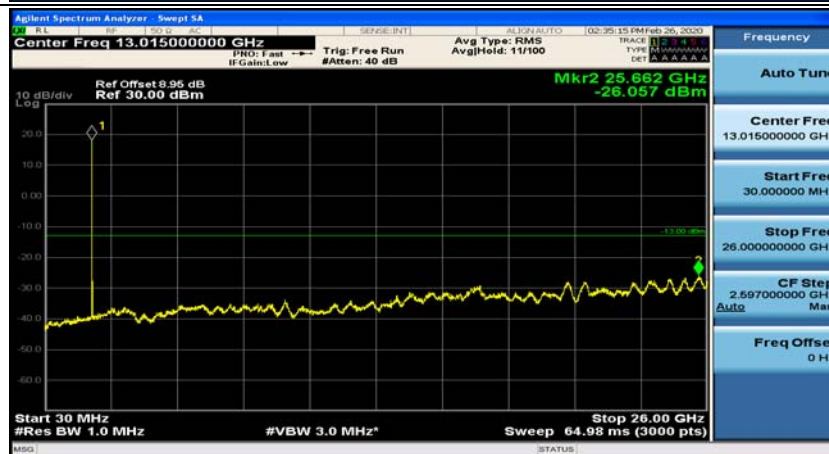
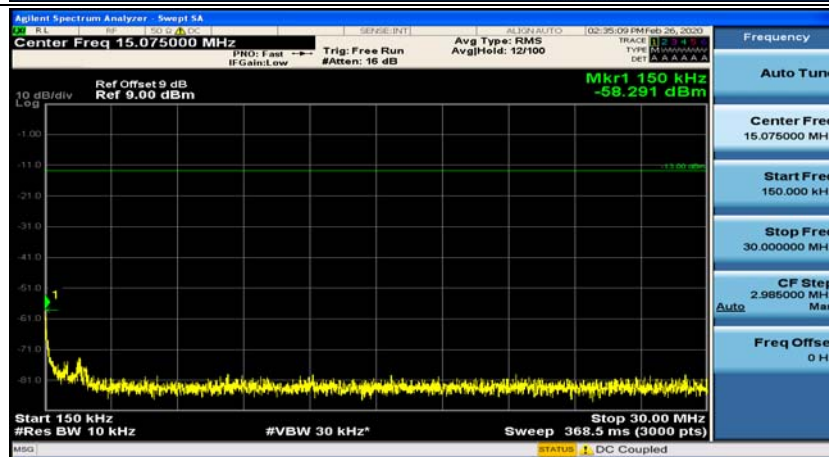


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

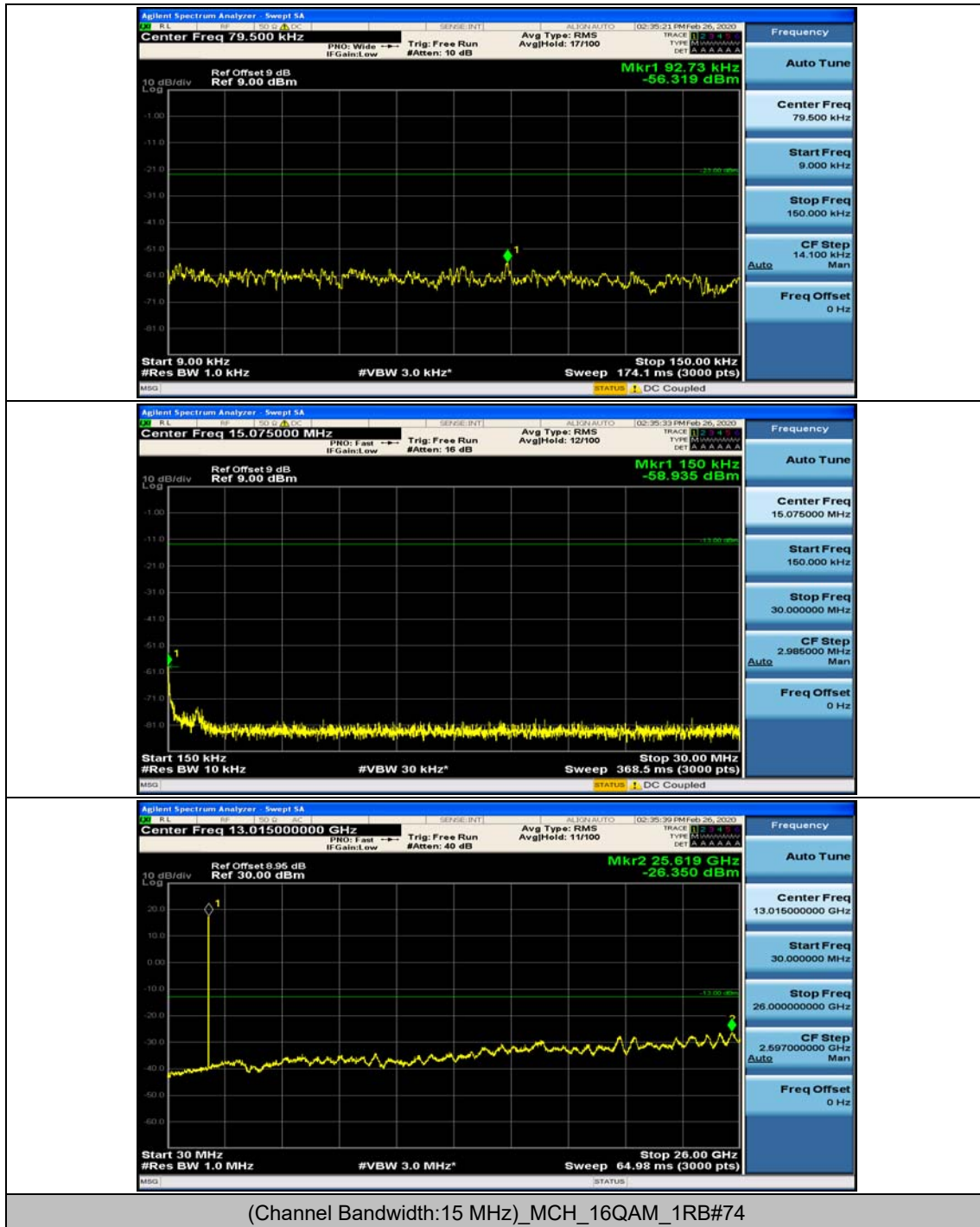


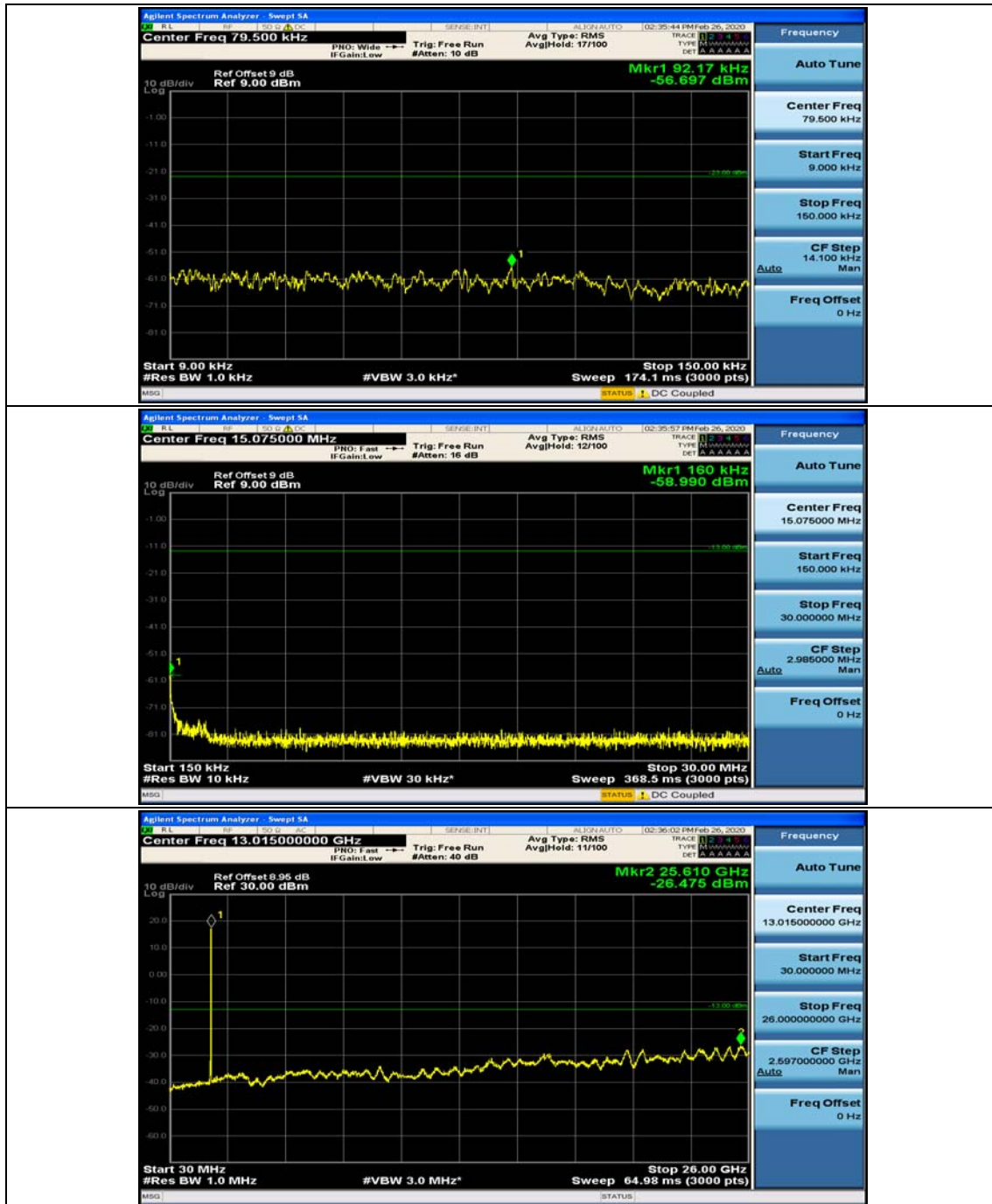


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

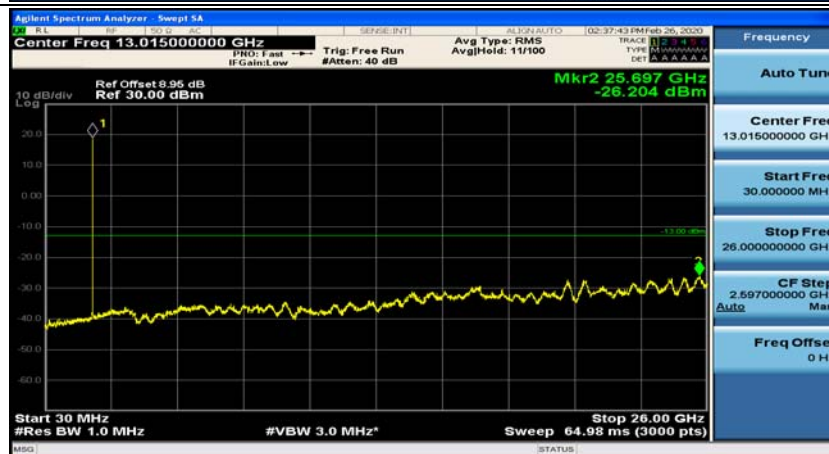
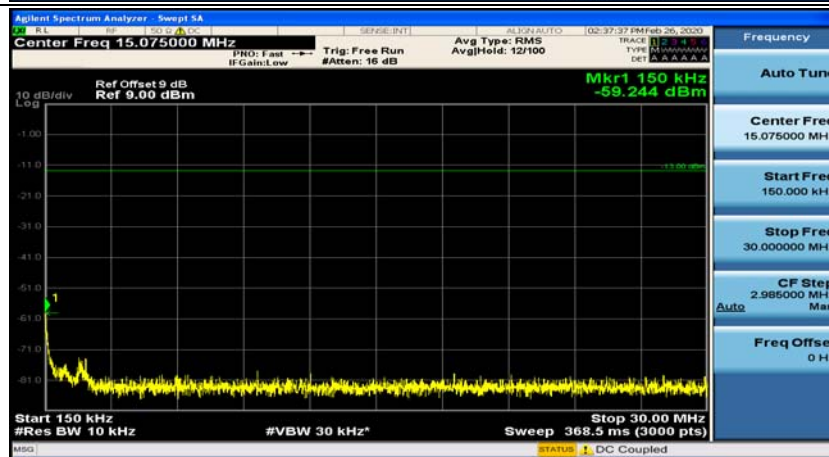


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

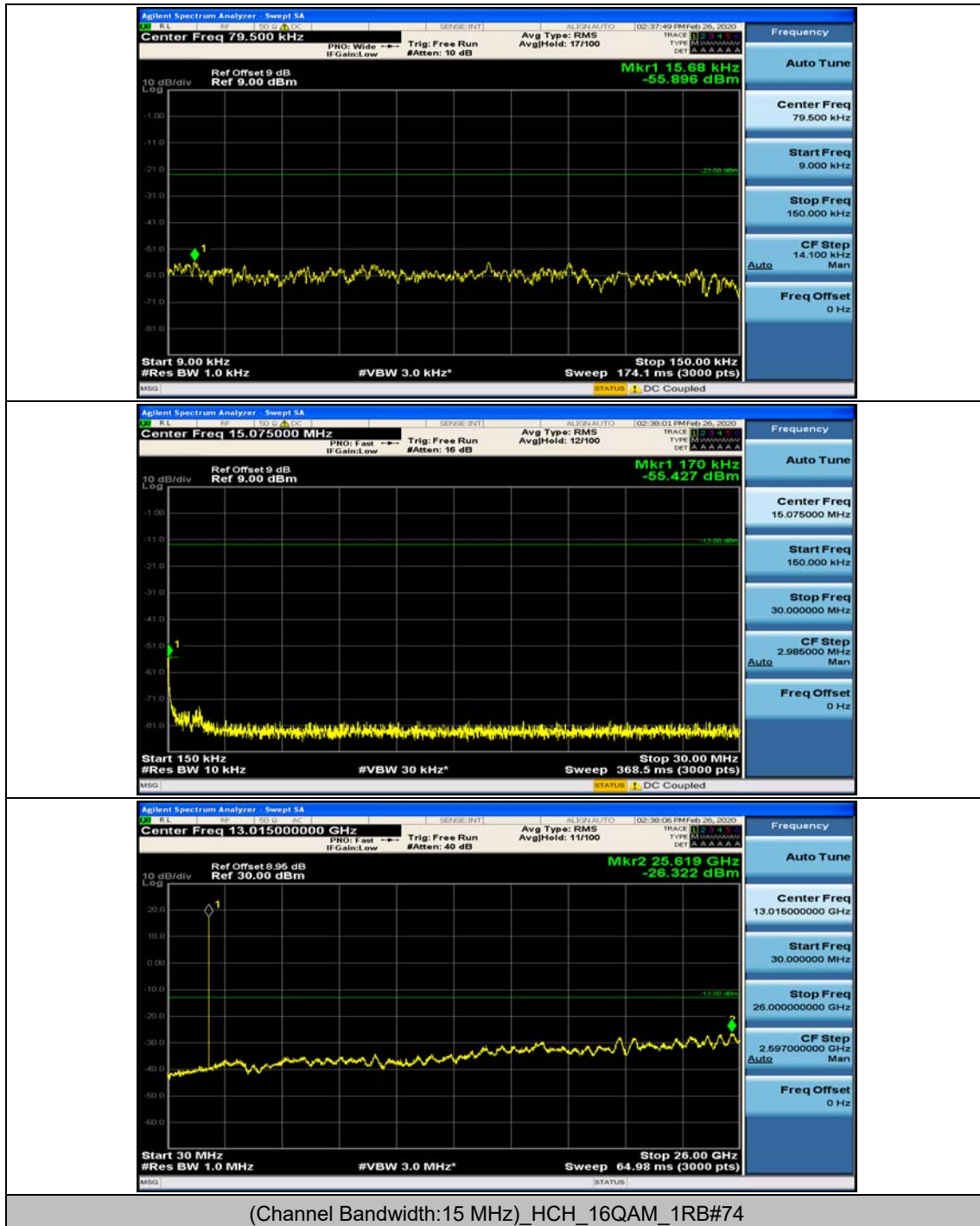


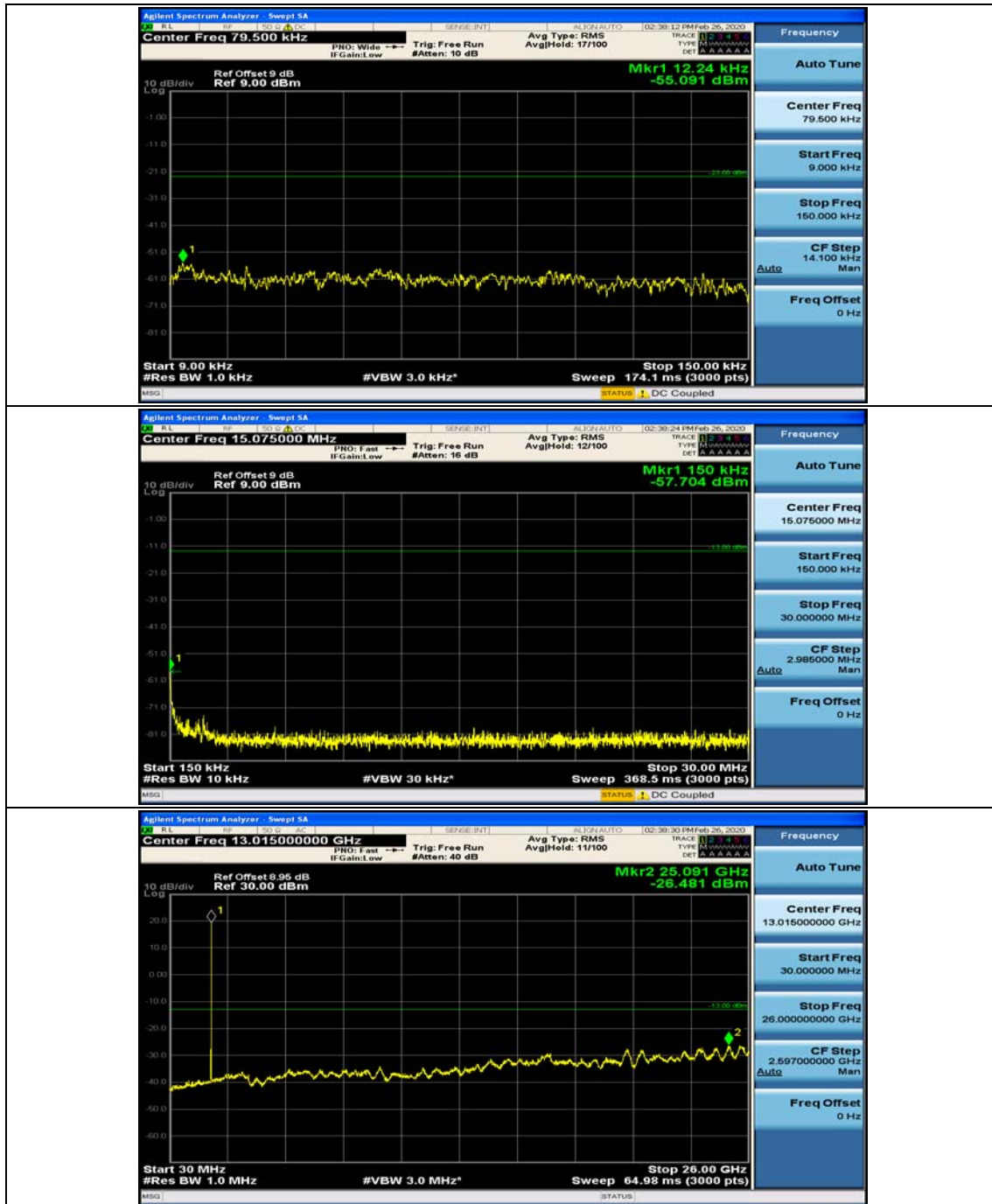


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

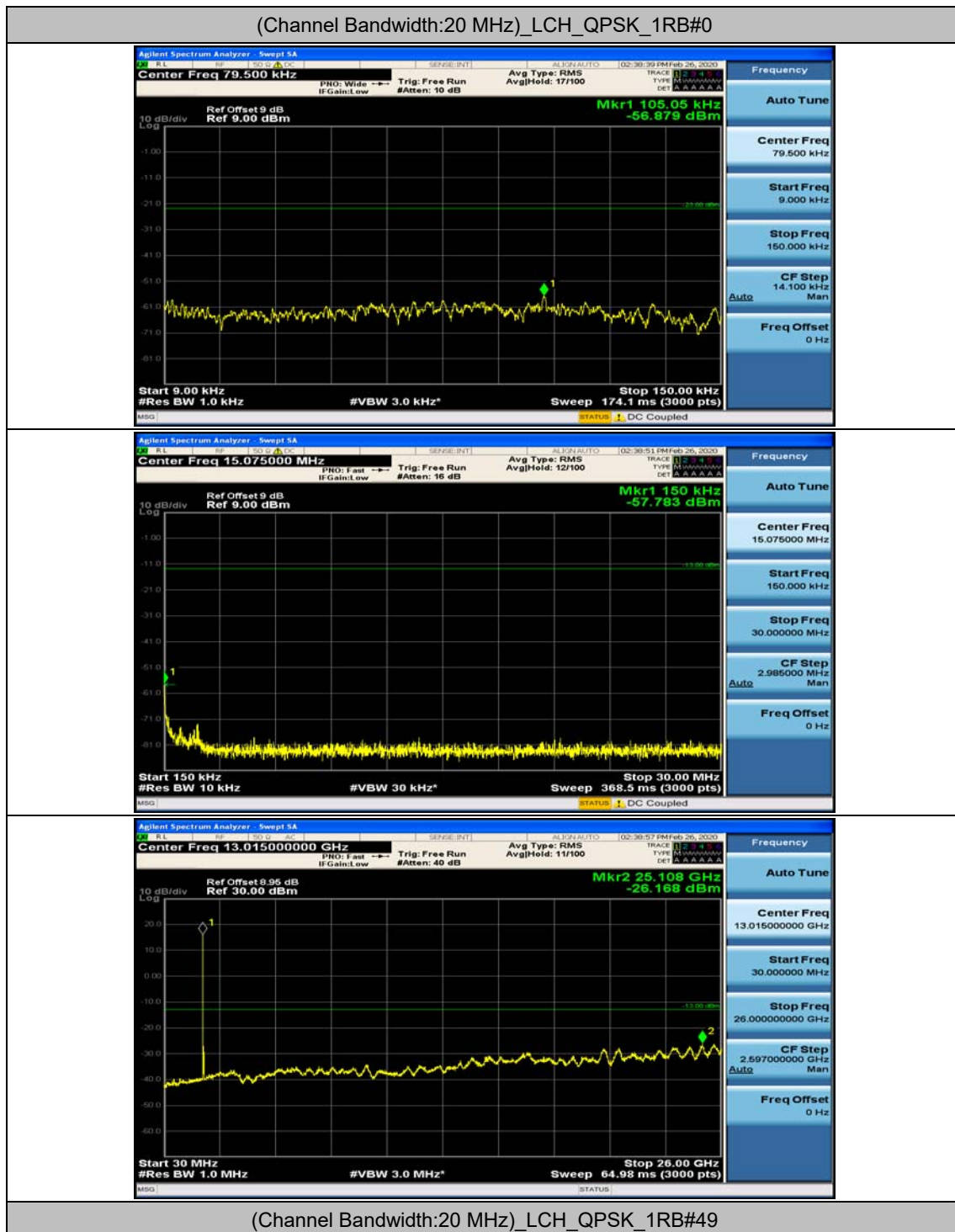


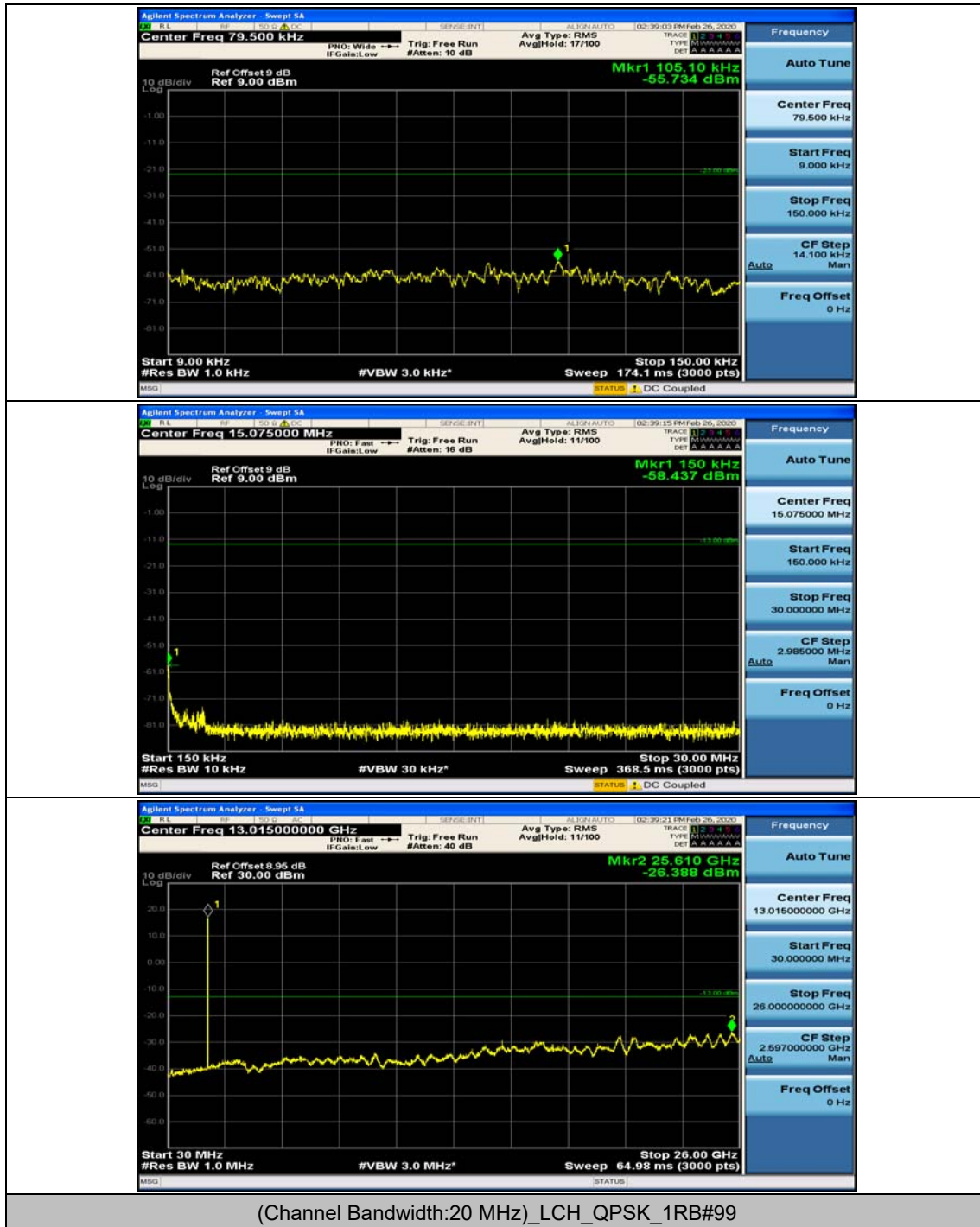
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

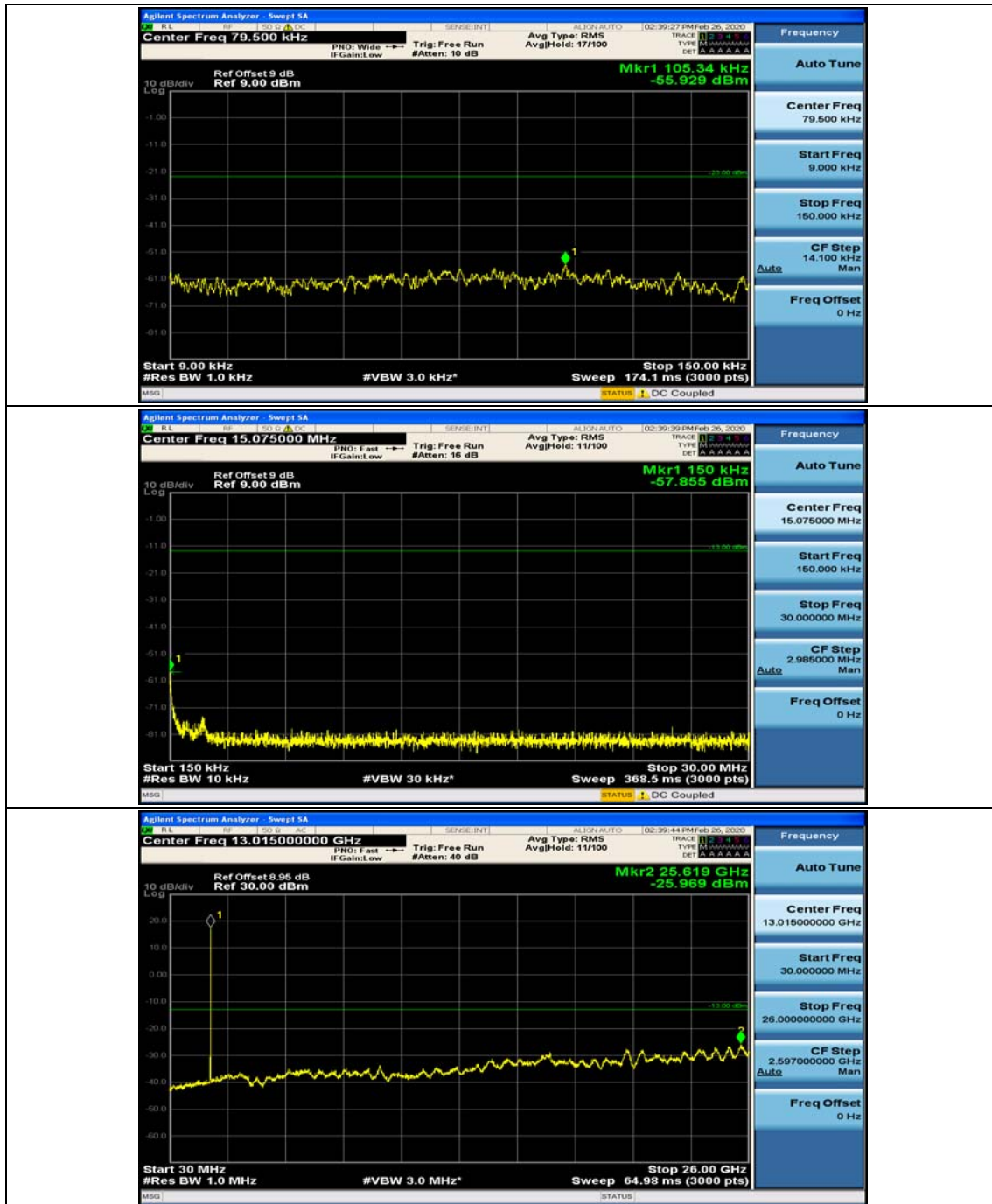




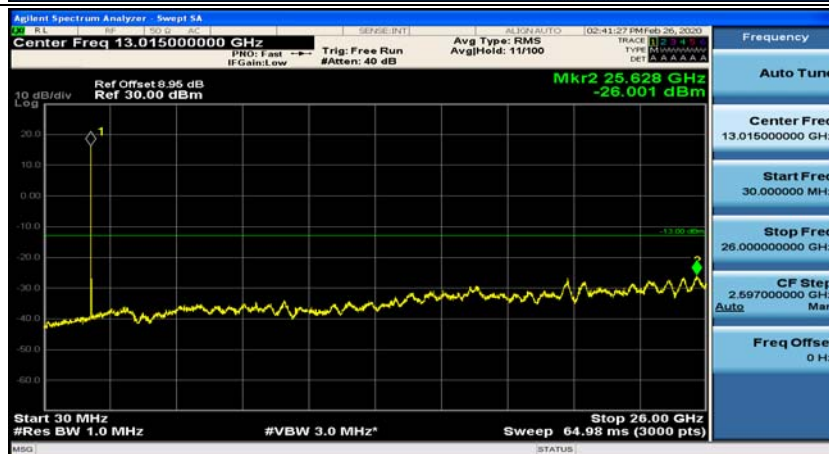
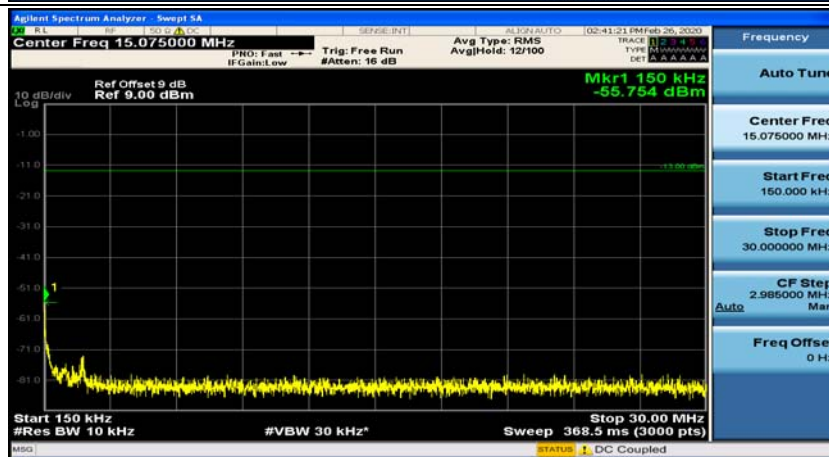
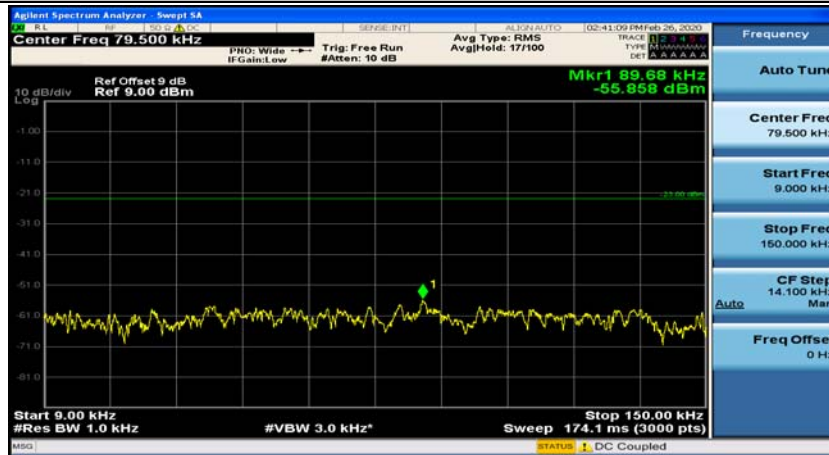
Channel Bandwidth: 20 MHz



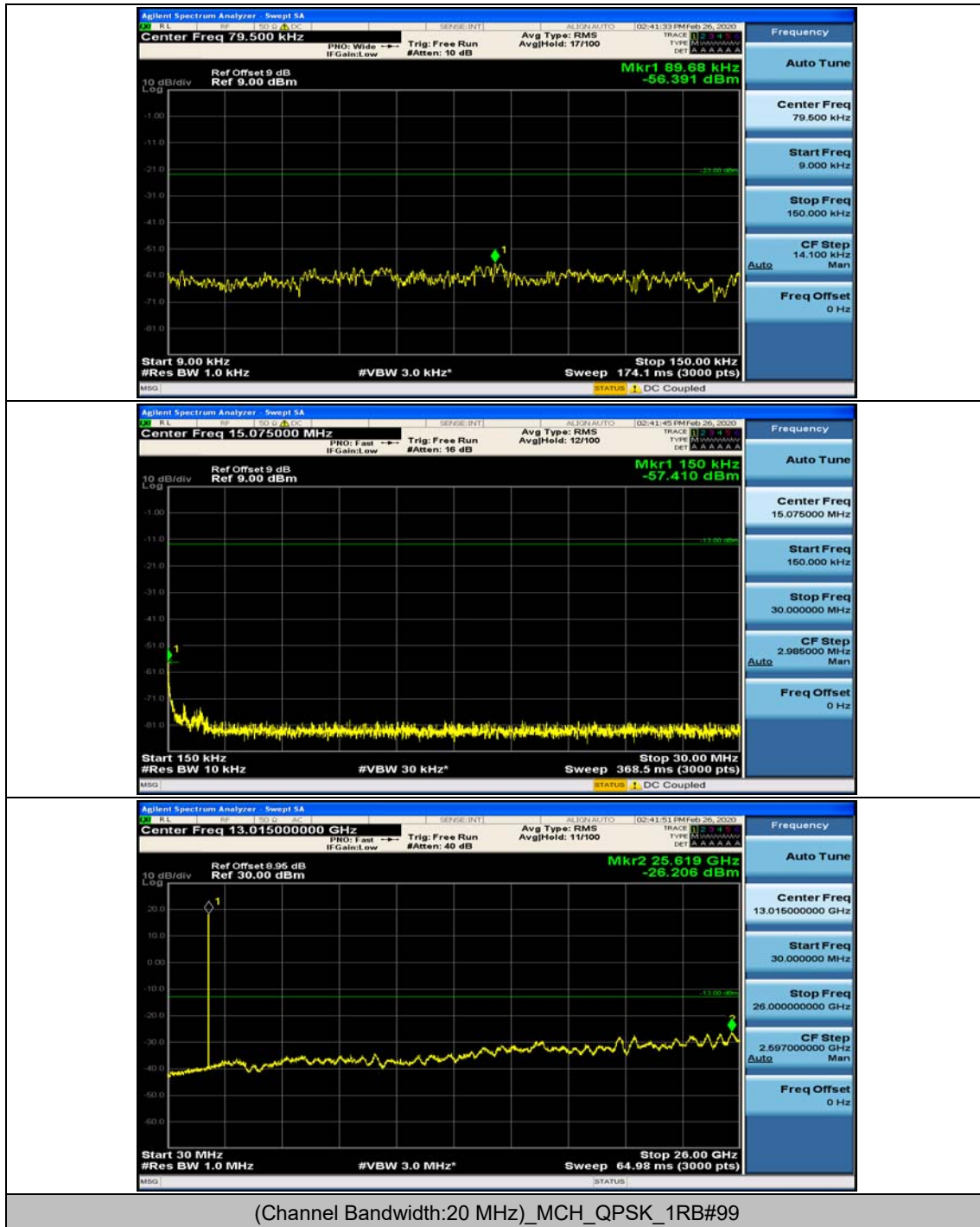


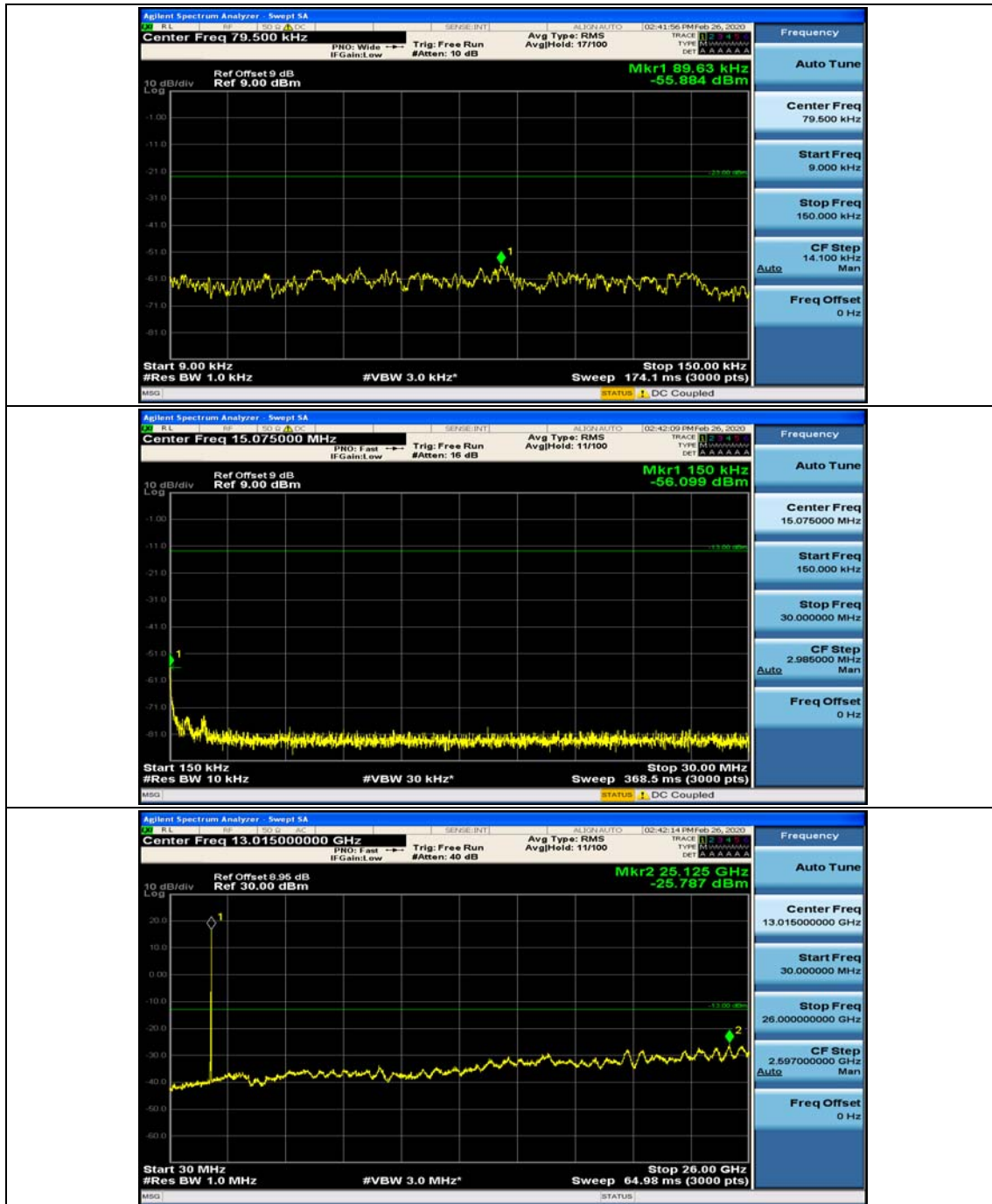


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

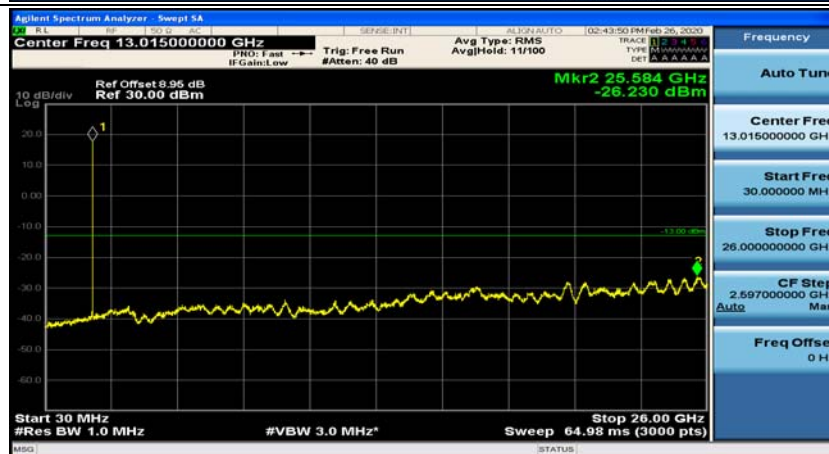
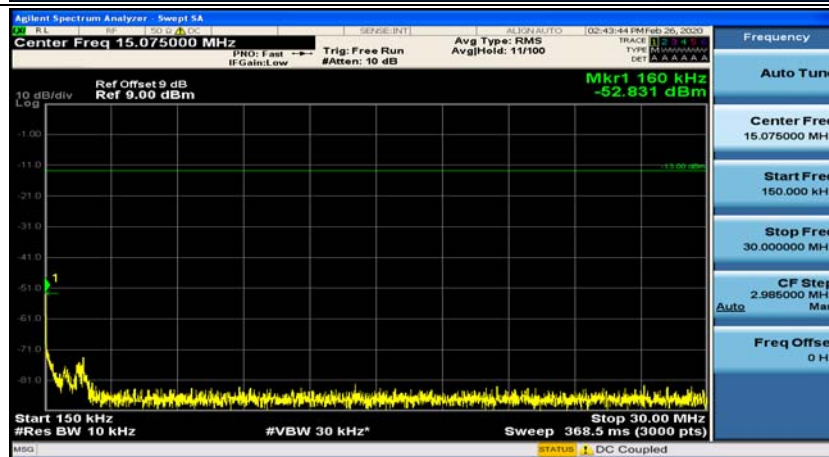
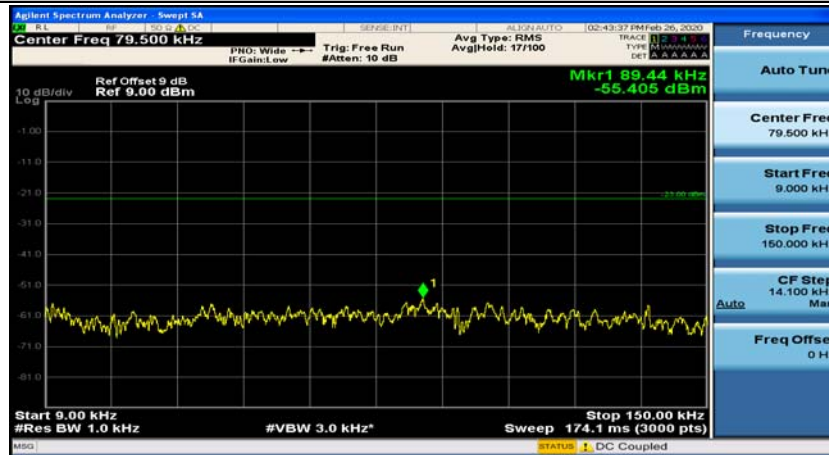


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

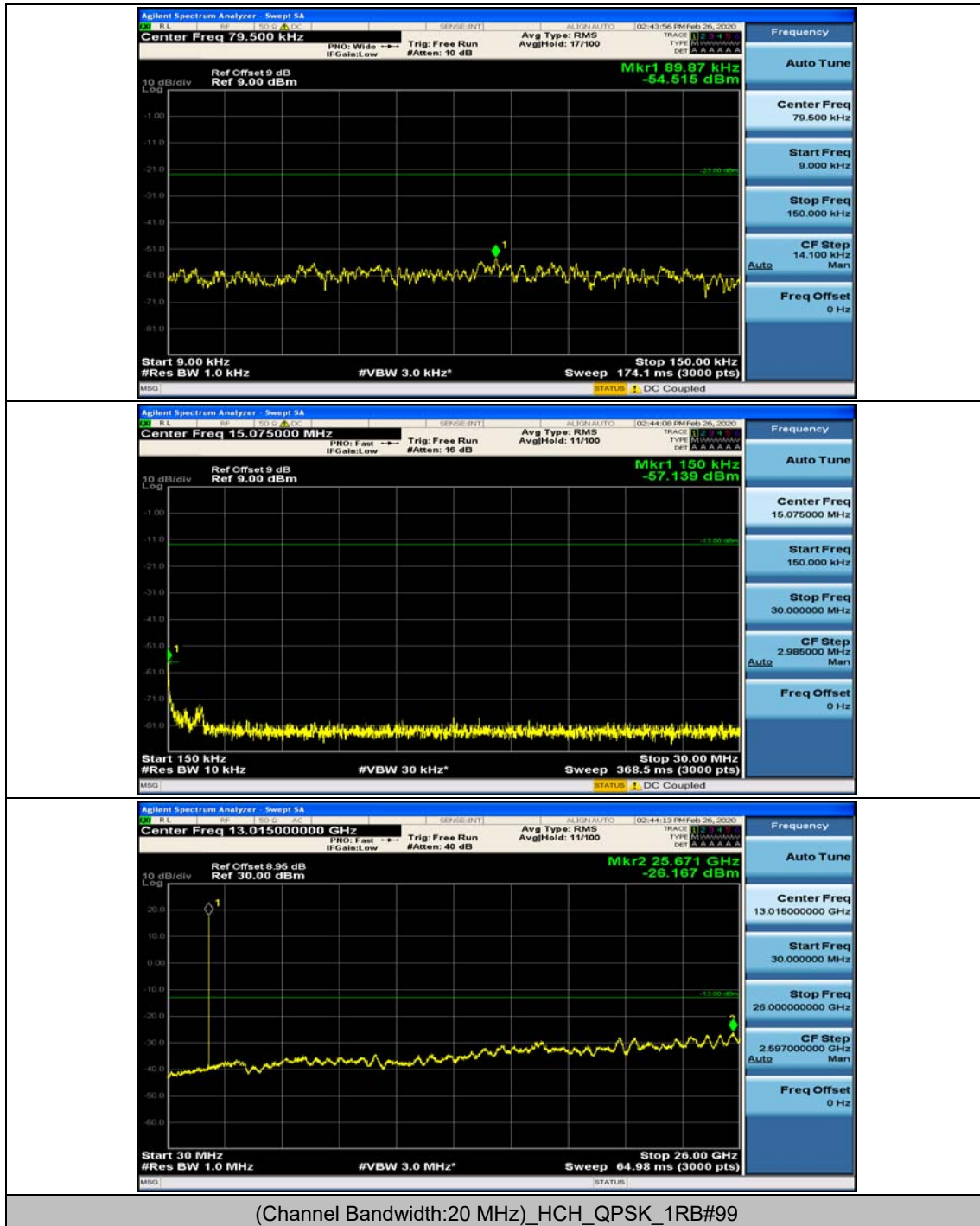


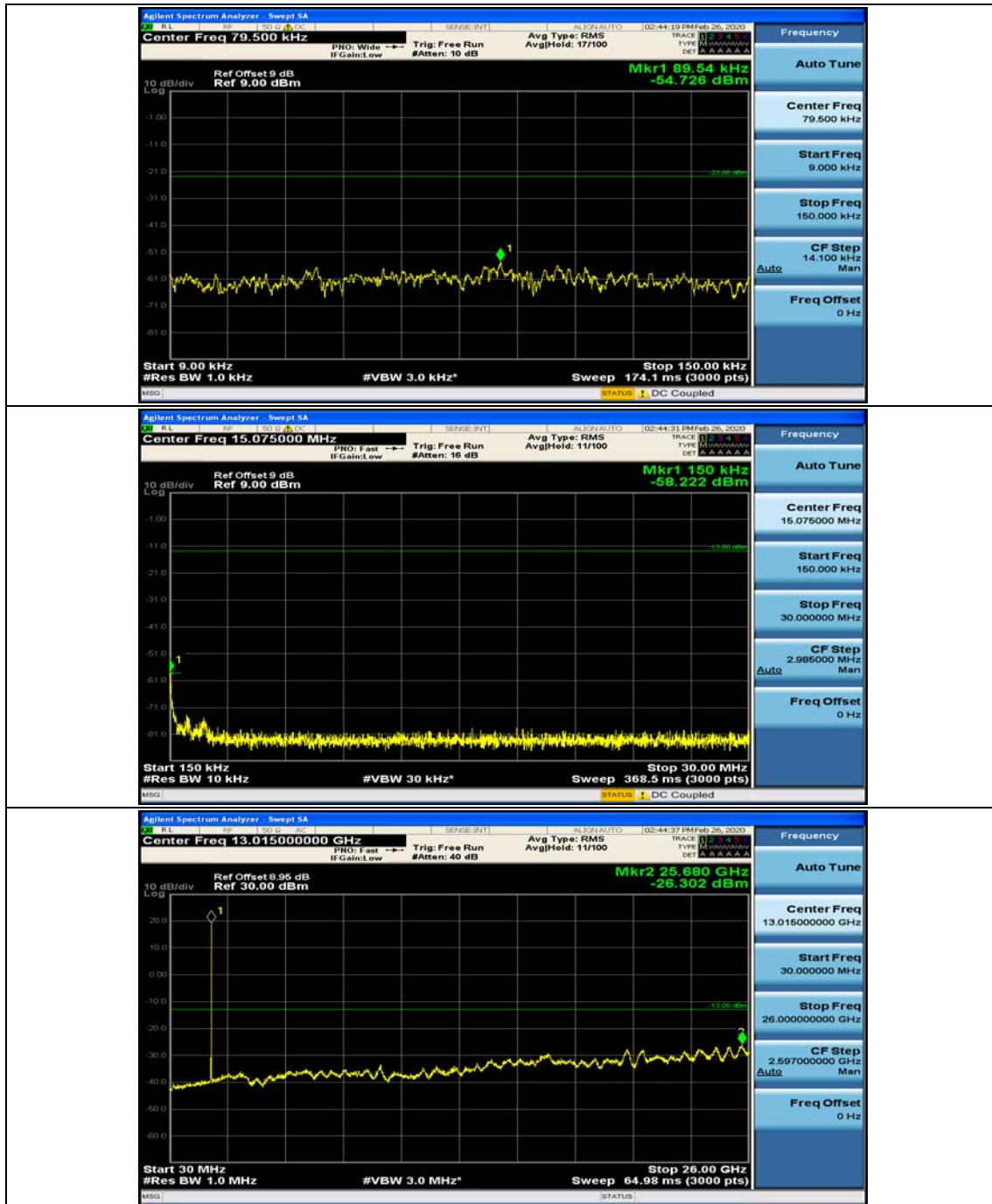


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

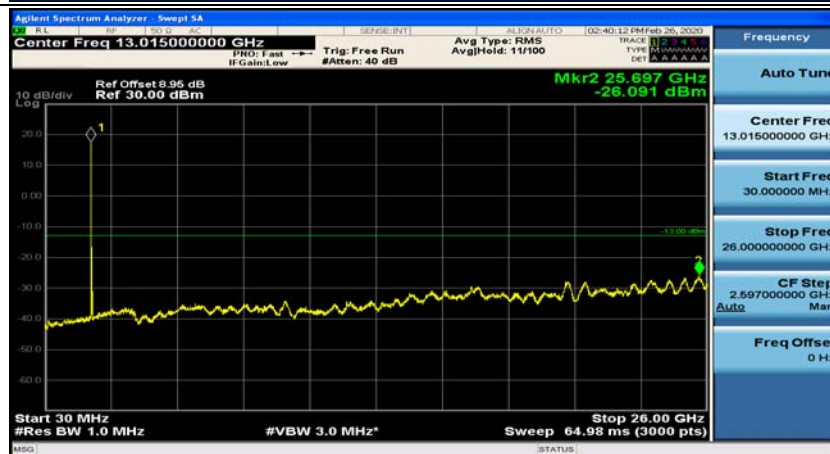
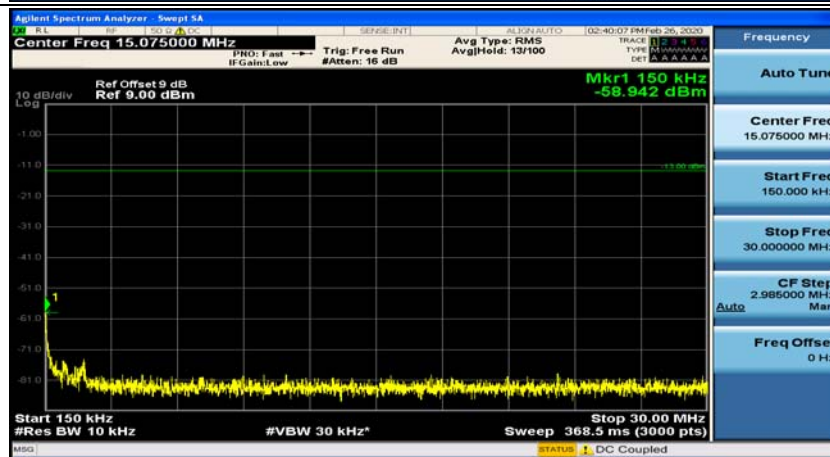
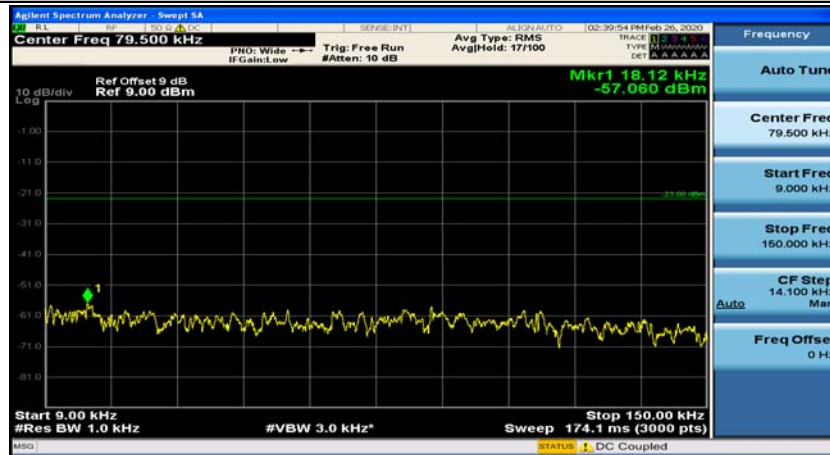


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

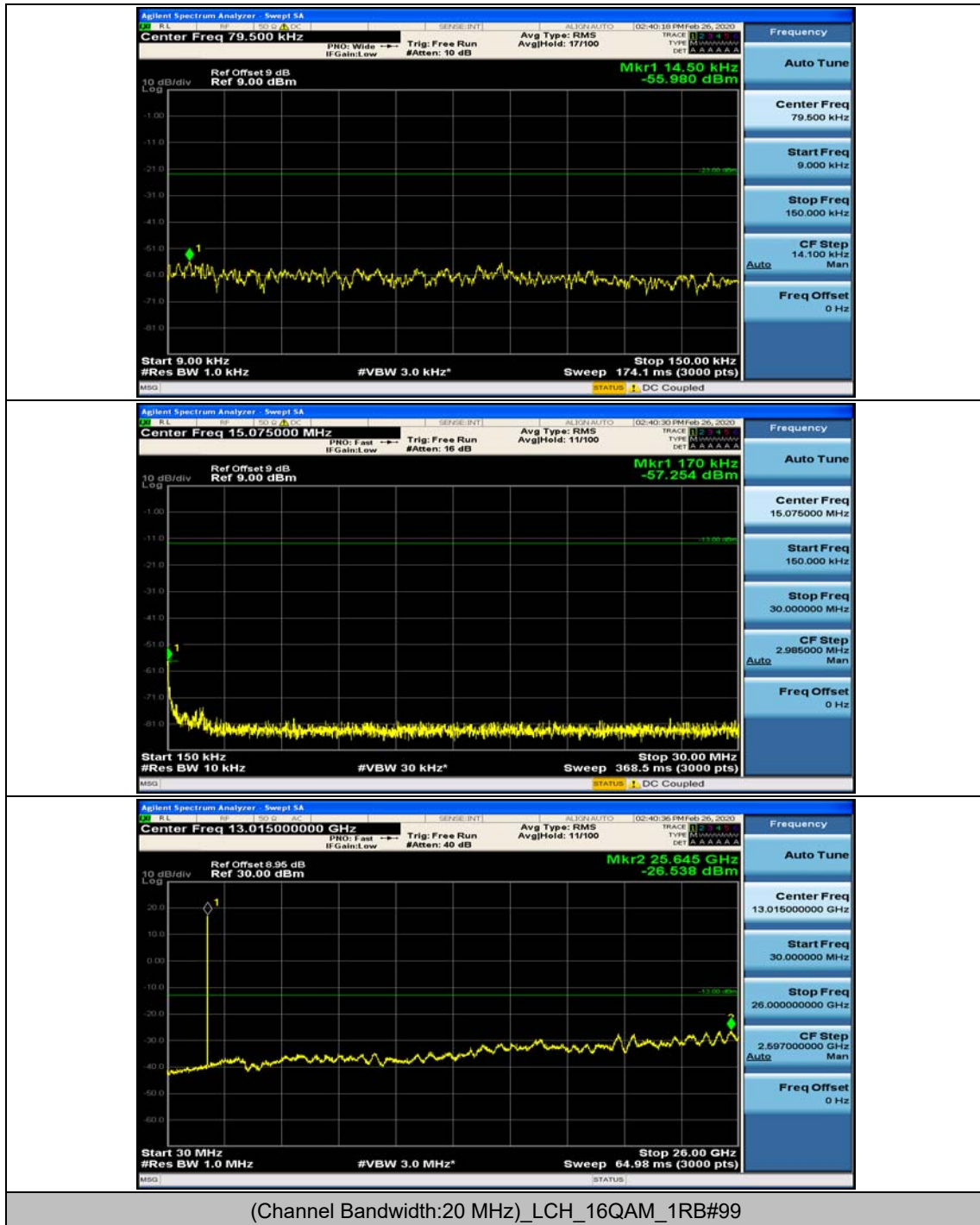


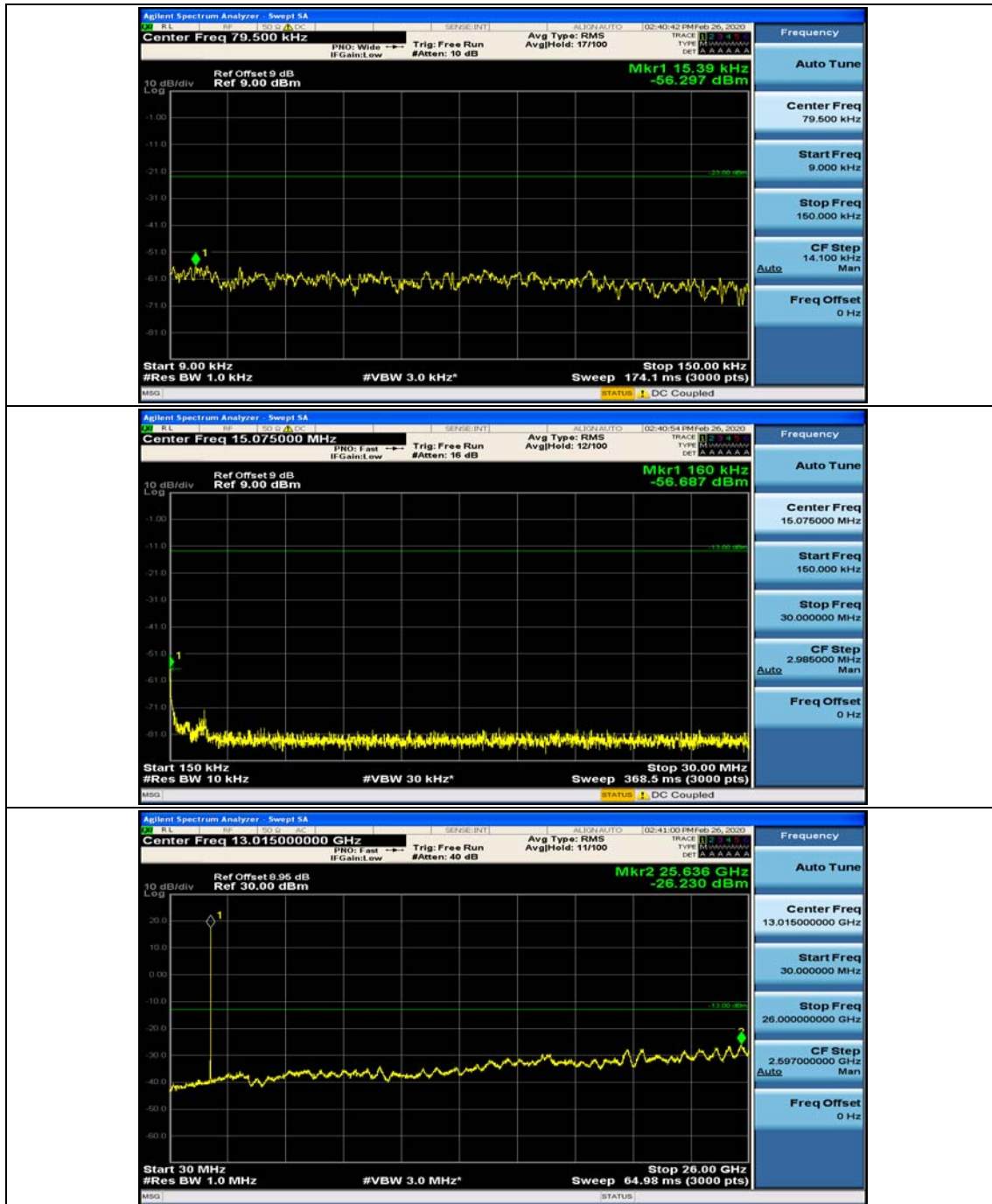


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

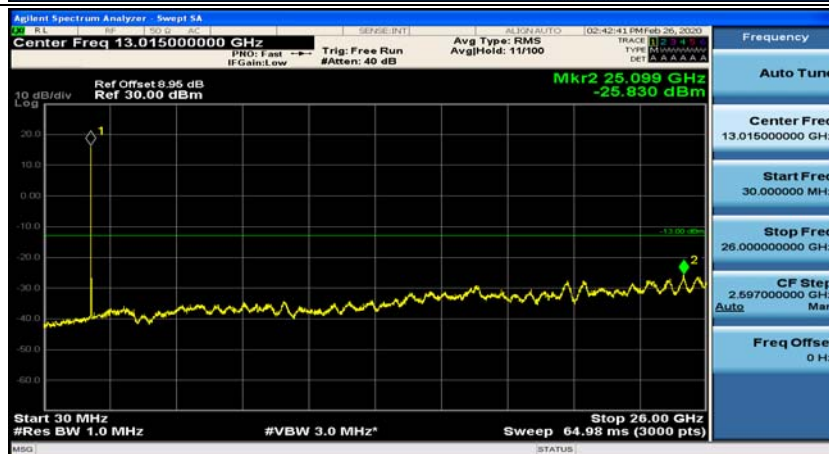
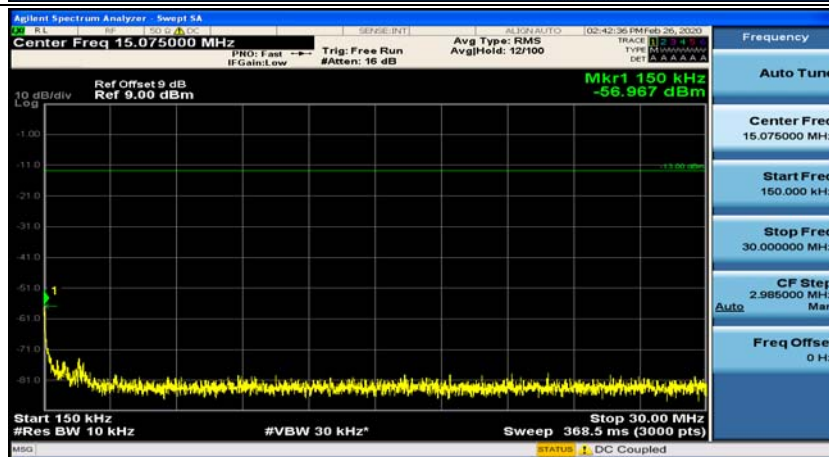


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

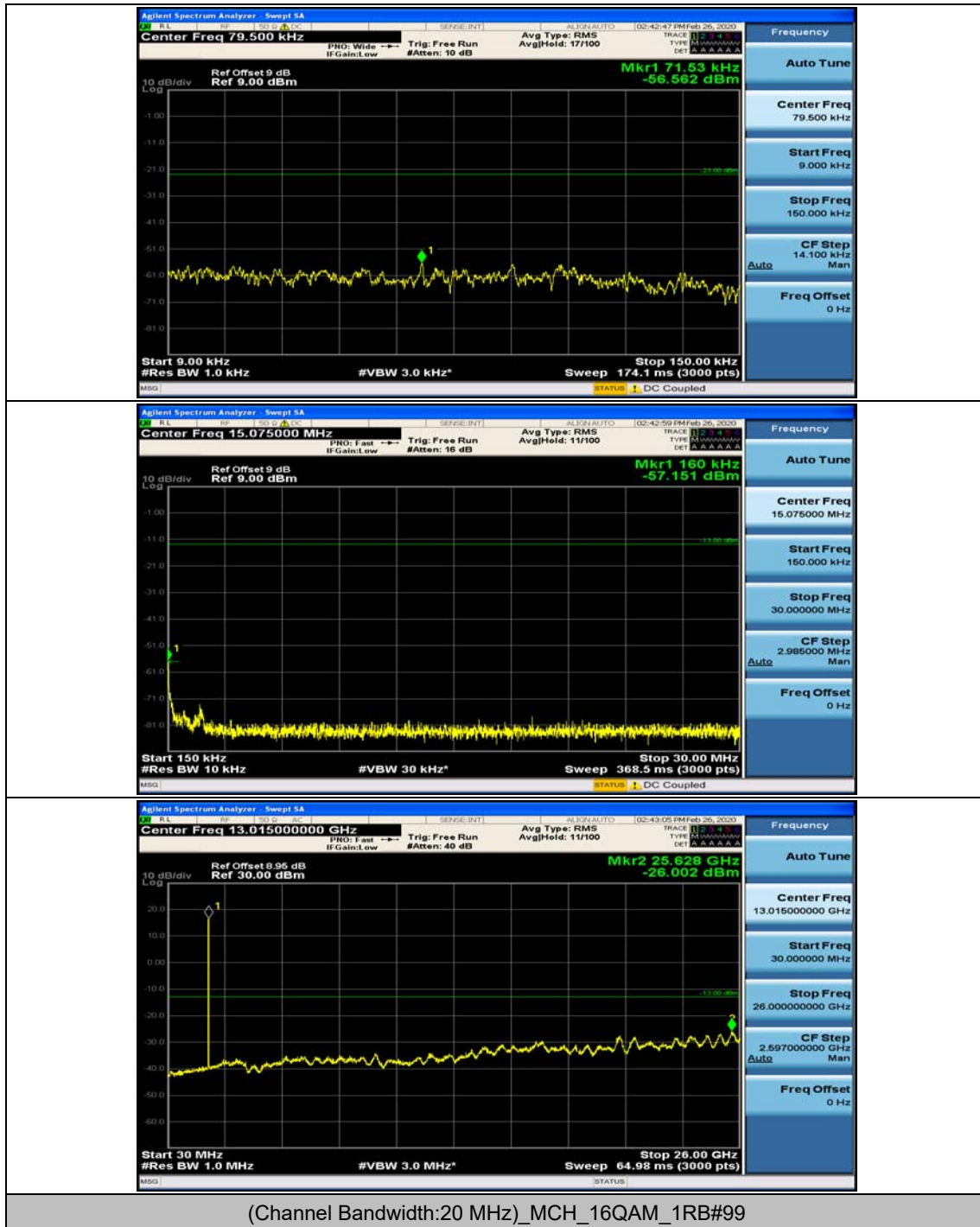


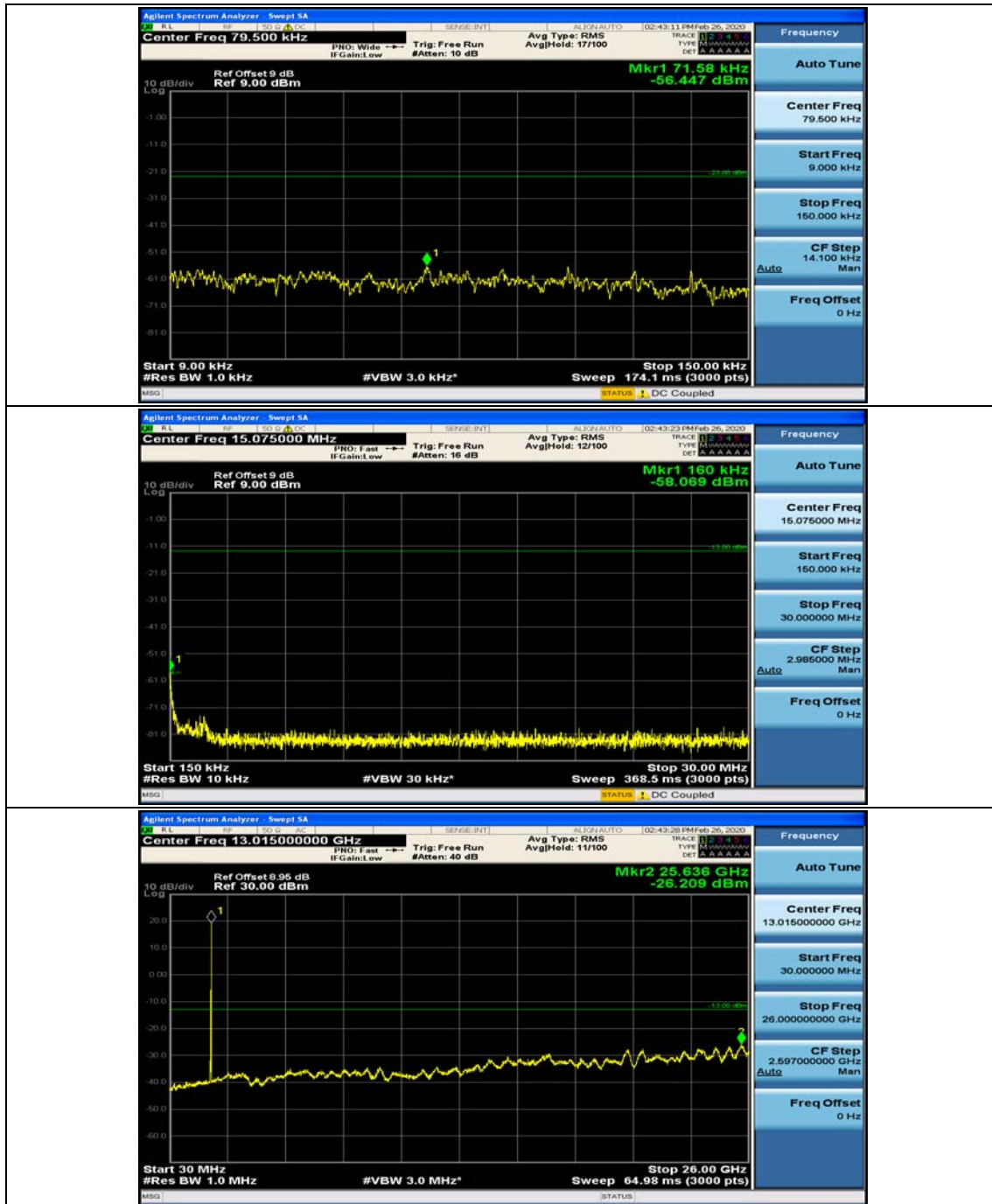


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

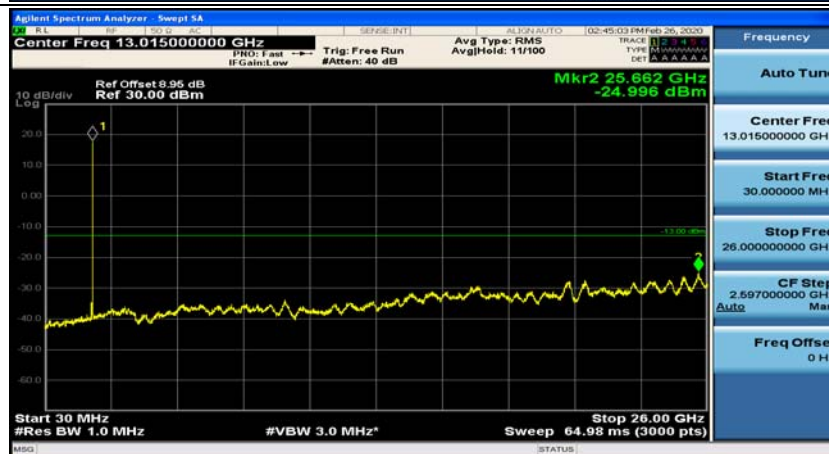
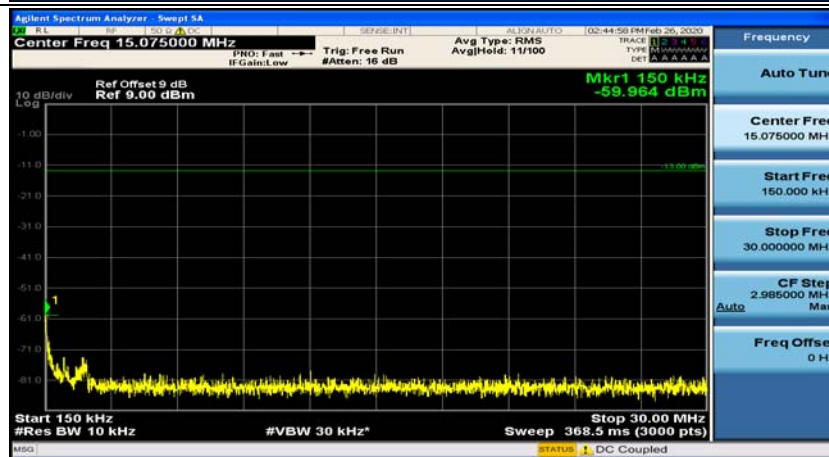
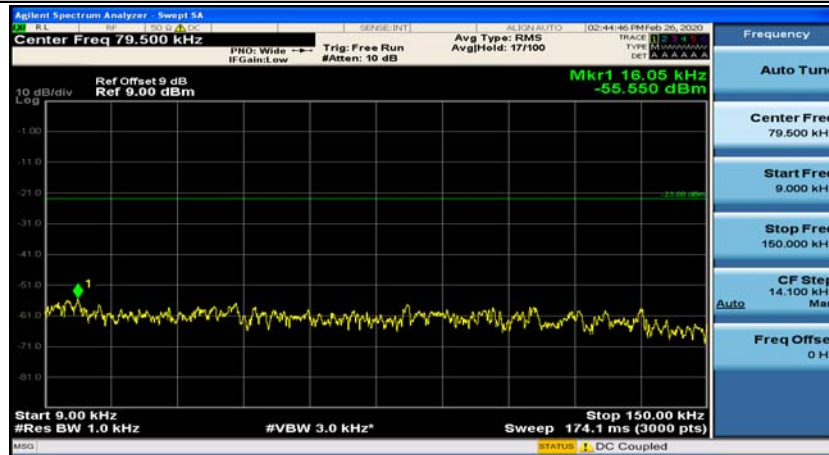


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

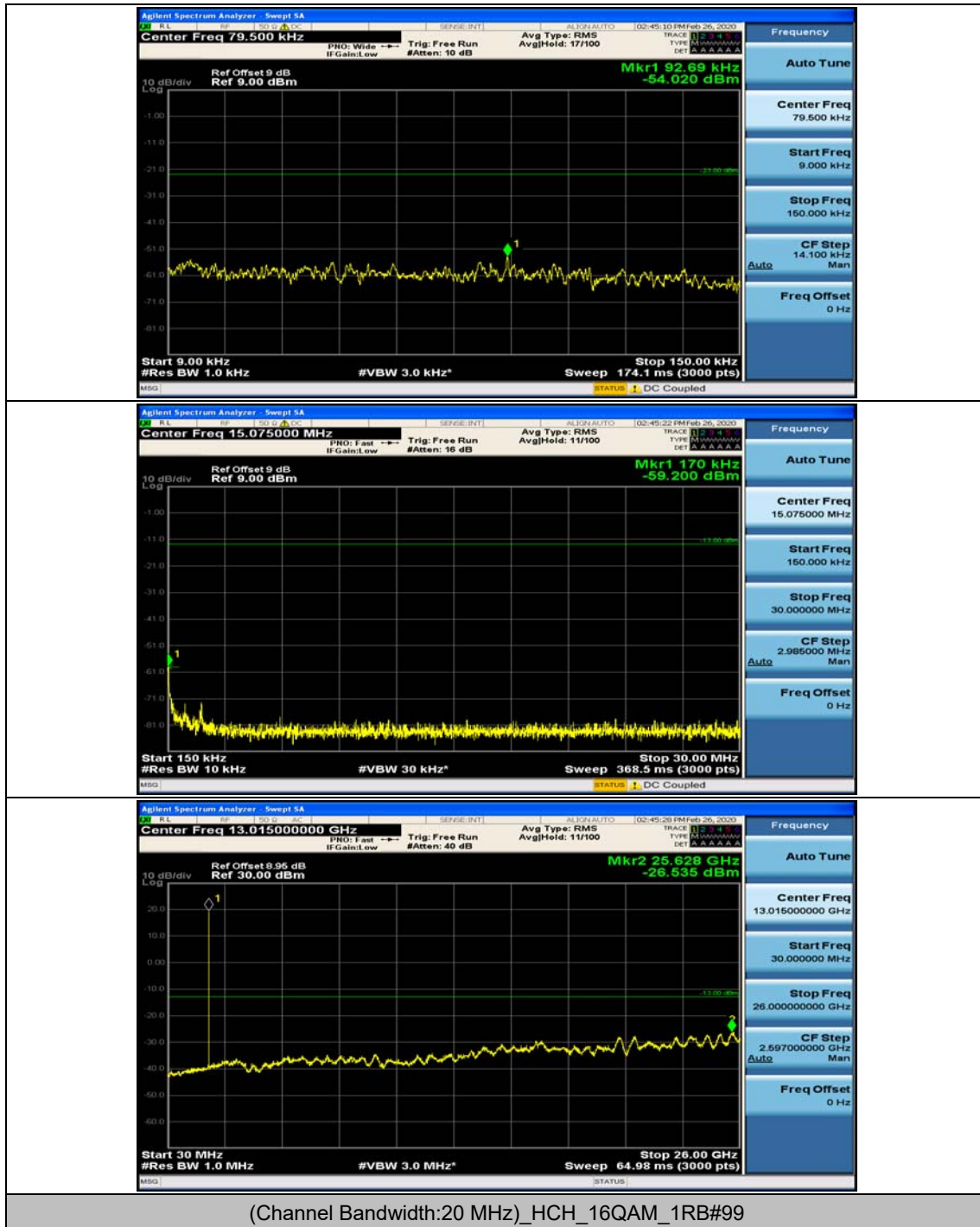


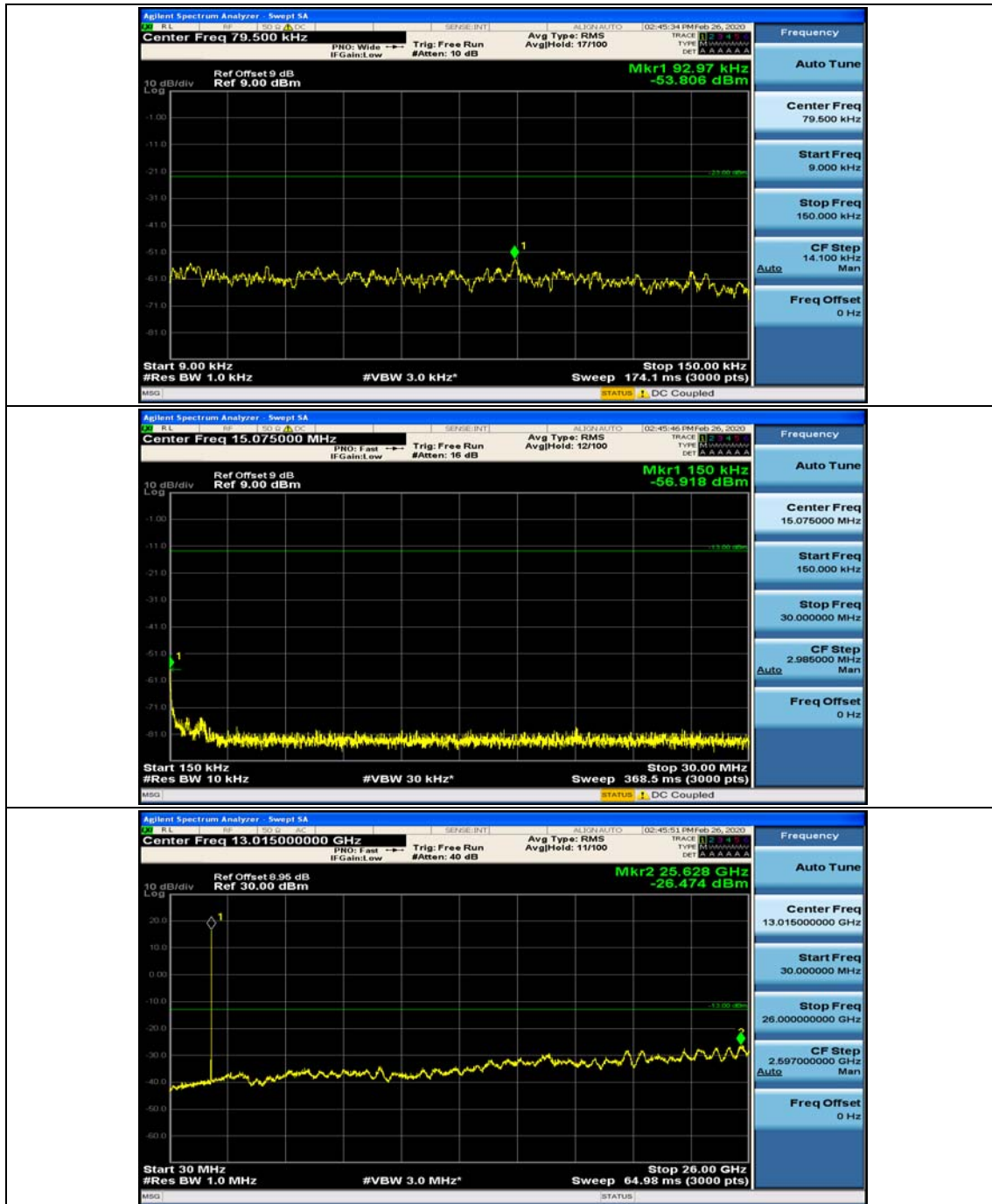


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	2.31	0.001248	± 2.5	PASS
		VN	TN	0.21	0.000113	± 2.5	PASS
		VH	TN	3.15	0.001702	± 2.5	PASS
	MCH	VL	TN	3.34	0.001777	± 2.5	PASS
		VN	TN	2.54	0.001351	± 2.5	PASS
		VH	TN	-0.35	-0.000186	± 2.5	PASS
	HCH	VL	TN	-0.22	-0.000115	± 2.5	PASS
		VN	TN	3.17	0.001660	± 2.5	PASS
		VH	TN	1.41	0.000738	± 2.5	PASS
16QAM	LCH	VL	TN	2.16	0.001167	± 2.5	PASS
		VN	TN	3.81	0.002059	± 2.5	PASS
		VH	TN	-0.68	-0.000367	± 2.5	PASS
	MCH	VL	TN	1.98	0.001053	± 2.5	PASS
		VN	TN	-0.41	-0.000218	± 2.5	PASS
		VH	TN	0.36	0.000191	± 2.5	PASS
	HCH	VL	TN	-0.42	-0.000220	± 2.5	PASS
		VN	TN	3.68	0.001927	± 2.5	PASS
		VH	TN	0.33	0.000173	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.53	0.001907	± 2.5	PASS
		VN	-20	-0.15	-0.000081	± 2.5	PASS
		VN	-10	-1.39	-0.000751	± 2.5	PASS
		VN	0	1.59	0.000859	± 2.5	PASS
		VN	10	-0.28	-0.000151	± 2.5	PASS
		VN	20	3.55	0.001918	± 2.5	PASS
		VN	30	4.75	0.002567	± 2.5	PASS
		VN	40	-0.63	-0.000340	± 2.5	PASS
		VN	50	3.67	0.001983	± 2.5	PASS
	MCH	VN	-30	-0.92	-0.000489	± 2.5	PASS
		VN	-20	-1.33	-0.000707	± 2.5	PASS



		VN	-10	2.75	0.001463	± 2.5	PASS
		VN	0	1.57	0.000835	± 2.5	PASS
		VN	10	4.79	0.002548	± 2.5	PASS
		VN	20	-1.67	-0.000888	± 2.5	PASS
		VN	30	4.42	0.002351	± 2.5	PASS
		VN	40	2.4	0.001277	± 2.5	PASS
		VN	50	2.92	0.001553	± 2.5	PASS
	HCH	VN	-30	-0.23	-0.000120	± 2.5	PASS
		VN	-20	4.27	0.002236	± 2.5	PASS
		VN	-10	1.71	0.000896	± 2.5	PASS
		VN	0	3.42	0.001791	± 2.5	PASS
		VN	10	1.67	0.000875	± 2.5	PASS
		VN	20	0.43	0.000225	± 2.5	PASS
		VN	30	2.79	0.001461	± 2.5	PASS
		VN	40	4.11	0.002153	± 2.5	PASS
		VN	50	4.32	0.002263	± 2.5	PASS
16QAM	LCH	VN	-30	4.84	0.002615	± 2.5	PASS
		VN	-20	3.88	0.002097	± 2.5	PASS
		VN	-10	1.89	0.001021	± 2.5	PASS
		VN	0	-1.46	-0.000789	± 2.5	PASS
		VN	10	-1.65	-0.000892	± 2.5	PASS
		VN	20	-1.25	-0.000675	± 2.5	PASS
		VN	30	4.19	0.002264	± 2.5	PASS
		VN	40	3.73	0.002015	± 2.5	PASS
		VN	50	2.81	0.001518	± 2.5	PASS
	MCH	VN	-30	1.59	0.000846	± 2.5	PASS
		VN	-20	-1.2	-0.000638	± 2.5	PASS
		VN	-10	3.78	0.002011	± 2.5	PASS
		VN	0	-1.61	-0.000856	± 2.5	PASS
		VN	10	2.64	0.001404	± 2.5	PASS
		VN	20	4.26	0.002266	± 2.5	PASS
		VN	30	2.36	0.001255	± 2.5	PASS
		VN	40	4.21	0.002239	± 2.5	PASS
		VN	50	-1.9	-0.001011	± 2.5	PASS
	HCH	VN	-30	2.41	0.001262	± 2.5	PASS
		VN	-20	1.82	0.000953	± 2.5	PASS
		VN	-10	-1.52	-0.000796	± 2.5	PASS
		VN	0	2.37	0.001241	± 2.5	PASS
		VN	10	3.54	0.001854	± 2.5	PASS
		VN	20	3.44	0.001802	± 2.5	PASS
		VN	30	0.2	0.000105	± 2.5	PASS

		VN	40	1.09	0.000571	± 2.5	PASS
		VN	50	-0.81	-0.000424	± 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	-0.27	-0.000146	± 2.5	PASS
		VN	TN	4.38	0.002366	± 2.5	PASS
		VH	TN	0.64	0.000346	± 2.5	PASS
	MCH	VL	TN	3.92	0.002085	± 2.5	PASS
		VN	TN	1.4	0.000745	± 2.5	PASS
		VH	TN	3.19	0.001697	± 2.5	PASS
	HCH	VL	TN	1.83	0.000959	± 2.5	PASS
		VN	TN	3.18	0.001666	± 2.5	PASS
		VH	TN	4.82	0.002526	± 2.5	PASS
16QAM	LCH	VL	TN	-1.51	-0.000816	± 2.5	PASS
		VN	TN	0.01	0.000005	± 2.5	PASS
		VH	TN	1.33	0.000718	± 2.5	PASS
	MCH	VL	TN	-0.38	-0.000202	± 2.5	PASS
		VN	TN	0.93	0.000495	± 2.5	PASS
		VH	TN	0.65	0.000346	± 2.5	PASS
	HCH	VL	TN	0.3	0.000157	± 2.5	PASS
		VN	TN	3.7	0.001939	± 2.5	PASS
		VH	TN	3.47	0.001818	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.8	0.002053	± 2.5	PASS
		VN	-20	2.9	0.001567	± 2.5	PASS
		VN	-10	-1.79	-0.000967	± 2.5	PASS
		VN	0	-1.51	-0.000816	± 2.5	PASS
		VN	10	4.54	0.002453	± 2.5	PASS
		VN	20	0.81	0.000438	± 2.5	PASS
		VN	30	3.29	0.001778	± 2.5	PASS
		VN	40	0.23	0.000124	± 2.5	PASS
		VN	50	0.03	0.000016	± 2.5	PASS
	MCH	VN	-30	4.57	0.002431	± 2.5	PASS
		VN	-20	2.09	0.001112	± 2.5	PASS
		VN	-10	3.14	0.001670	± 2.5	PASS



		VN	0	3.43	0.001824	± 2.5	PASS
		VN	10	2.46	0.001309	± 2.5	PASS
		VN	20	1.08	0.000574	± 2.5	PASS
		VN	30	2.53	0.001346	± 2.5	PASS
		VN	40	0.78	0.000415	± 2.5	PASS
		VN	50	-0.54	-0.000287	± 2.5	PASS
	HCH	VN	-30	1.26	0.000660	± 2.5	PASS
		VN	-20	0.44	0.000230	± 2.5	PASS
		VN	-10	-1.8	-0.000943	± 2.5	PASS
		VN	0	2.22	0.001163	± 2.5	PASS
		VN	10	4.65	0.002435	± 2.5	PASS
		VN	20	4	0.002095	± 2.5	PASS
		VN	30	3.76	0.001969	± 2.5	PASS
		VN	40	4.3	0.002252	± 2.5	PASS
		VN	50	-0.72	-0.000377	± 2.5	PASS
16QAM	LCH	VN	-30	2.97	0.001605	± 2.5	PASS
		VN	-20	-1.71	-0.000924	± 2.5	PASS
		VN	-10	-1.64	-0.000886	± 2.5	PASS
		VN	0	-0.71	-0.000384	± 2.5	PASS
		VN	10	2.03	0.001097	± 2.5	PASS
		VN	20	0.5	0.000270	± 2.5	PASS
		VN	30	-1.54	-0.000832	± 2.5	PASS
		VN	40	-0.06	-0.000032	± 2.5	PASS
		VN	50	0.87	0.000470	± 2.5	PASS
	MCH	VN	-30	-0.36	-0.000191	± 2.5	PASS
		VN	-20	0.2	0.000106	± 2.5	PASS
		VN	-10	0.92	0.000489	± 2.5	PASS
		VN	0	1.56	0.000830	± 2.5	PASS
		VN	10	2.04	0.001085	± 2.5	PASS
		VN	20	-0.24	-0.000128	± 2.5	PASS
		VN	30	1.29	0.000686	± 2.5	PASS
		VN	40	-0.18	-0.000096	± 2.5	PASS
		VN	50	3.19	0.001697	± 2.5	PASS
	HCH	VN	-30	-0.99	-0.000519	± 2.5	PASS
		VN	-20	0.34	0.000178	± 2.5	PASS
		VN	-10	0.17	0.000089	± 2.5	PASS
		VN	0	3.01	0.001576	± 2.5	PASS
		VN	10	-0.23	-0.000120	± 2.5	PASS
		VN	20	4.4	0.002305	± 2.5	PASS
		VN	30	-1.65	-0.000864	± 2.5	PASS
		VN	40	0.32	0.000168	± 2.5	PASS



		VN	50	0.83	0.000435	± 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	-1.62	-0.000874	± 2.5	PASS
		VN	TN	0.42	0.000227	± 2.5	PASS
		VH	TN	3.72	0.002008	± 2.5	PASS
	MCH	VL	TN	1.51	0.000803	± 2.5	PASS
		VN	TN	-0.14	-0.000074	± 2.5	PASS
		VH	TN	-0.7	-0.000372	± 2.5	PASS
	HCH	VL	TN	0.28	0.000147	± 2.5	PASS
		VN	TN	3.34	0.001751	± 2.5	PASS
		VH	TN	3.27	0.001714	± 2.5	PASS
16QAM	LCH	VL	TN	-0.05	-0.000027	± 2.5	PASS
		VN	TN	2.48	0.001339	± 2.5	PASS
		VH	TN	-1.01	-0.000545	± 2.5	PASS
	MCH	VL	TN	4.58	0.002436	± 2.5	PASS
		VN	TN	3.84	0.002043	± 2.5	PASS
		VH	TN	2.49	0.001324	± 2.5	PASS
	HCH	VL	TN	-1.26	-0.000661	± 2.5	PASS
		VN	TN	2.56	0.001342	± 2.5	PASS
		VH	TN	-0.45	-0.000236	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.25	-0.000135	± 2.5	PASS
		VN	-20	4.19	0.002262	± 2.5	PASS
		VN	-10	-0.2	-0.000108	± 2.5	PASS
		VN	0	2.94	0.001587	± 2.5	PASS
		VN	10	4.3	0.002321	± 2.5	PASS
		VN	20	1.62	0.000874	± 2.5	PASS
		VN	30	-0.5	-0.000270	± 2.5	PASS
		VN	40	3.21	0.001733	± 2.5	PASS
		VN	50	0.77	0.000416	± 2.5	PASS
	MCH	VN	-30	1.59	0.000846	± 2.5	PASS
		VN	-20	-0.9	-0.000479	± 2.5	PASS
		VN	-10	-0.13	-0.000069	± 2.5	PASS
		VN	0	3.28	0.001745	± 2.5	PASS



		VN	10	2.88	0.001532	± 2.5	PASS
		VN	20	0.3	0.000160	± 2.5	PASS
		VN	30	3.63	0.001931	± 2.5	PASS
		VN	40	2	0.001064	± 2.5	PASS
		VN	50	-1.57	-0.000835	± 2.5	PASS
	HCH	VN	-30	1.47	0.000771	± 2.5	PASS
		VN	-20	-0.65	-0.000341	± 2.5	PASS
		VN	-10	3.94	0.002066	± 2.5	PASS
		VN	0	4.14	0.002170	± 2.5	PASS
		VN	10	4.34	0.002275	± 2.5	PASS
		VN	20	3.51	0.001840	± 2.5	PASS
		VN	30	0.17	0.000089	± 2.5	PASS
		VN	40	0.94	0.000493	± 2.5	PASS
		VN	50	-0.79	-0.000414	± 2.5	PASS
16QAM	LCH	VN	-30	4.6	0.002483	± 2.5	PASS
		VN	-20	1.68	0.000907	± 2.5	PASS
		VN	-10	2.34	0.001263	± 2.5	PASS
		VN	0	4.27	0.002305	± 2.5	PASS
		VN	10	1.34	0.000723	± 2.5	PASS
		VN	20	2.19	0.001182	± 2.5	PASS
		VN	30	4.59	0.002478	± 2.5	PASS
		VN	40	-1.32	-0.000713	± 2.5	PASS
		VN	50	3.18	0.001717	± 2.5	PASS
	MCH	VN	-30	2.17	0.001154	± 2.5	PASS
		VN	-20	-0.76	-0.000404	± 2.5	PASS
		VN	-10	0.3	0.000160	± 2.5	PASS
		VN	0	4.51	0.002399	± 2.5	PASS
		VN	10	-0.15	-0.000080	± 2.5	PASS
		VN	20	0	0.000000	± 2.5	PASS
		VN	30	3.34	0.001777	± 2.5	PASS
		VN	40	1.4	0.000745	± 2.5	PASS
		VN	50	1.76	0.000936	± 2.5	PASS
	HCH	VN	-30	0.45	0.000236	± 2.5	PASS
		VN	-20	4.82	0.002527	± 2.5	PASS
		VN	-10	-1.2	-0.000629	± 2.5	PASS
		VN	0	1.97	0.001033	± 2.5	PASS
		VN	10	-1.89	-0.000991	± 2.5	PASS
		VN	20	3.63	0.001903	± 2.5	PASS
		VN	30	0.92	0.000482	± 2.5	PASS
		VN	40	2.7	0.001415	± 2.5	PASS
		VN	50	-1.66	-0.000870	± 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	1.48	0.000798	± 2.5	PASS
		VN	TN	3.07	0.001655	± 2.5	PASS
		VH	TN	-1.96	-0.001057	± 2.5	PASS
	MCH	VL	TN	-0.02	-0.000011	± 2.5	PASS
		VN	TN	-1.47	-0.000782	± 2.5	PASS
		VH	TN	2.1	0.001117	± 2.5	PASS
	HCH	VL	TN	-1.8	-0.000945	± 2.5	PASS
		VN	TN	1.26	0.000661	± 2.5	PASS
		VH	TN	1.48	0.000777	± 2.5	PASS
16QAM	LCH	VL	TN	-0.56	-0.000302	± 2.5	PASS
		VN	TN	4.7	0.002534	± 2.5	PASS
		VH	TN	-1.27	-0.000685	± 2.5	PASS
	MCH	VL	TN	-0.17	-0.000090	± 2.5	PASS
		VN	TN	4.45	0.002367	± 2.5	PASS
		VH	TN	-1.06	-0.000564	± 2.5	PASS
	HCH	VL	TN	4.92	0.002583	± 2.5	PASS
		VN	TN	-1.22	-0.000640	± 2.5	PASS
		VH	TN	2.55	0.001339	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.61	0.001407	± 2.5	PASS
		VN	-20	0.31	0.000167	± 2.5	PASS
		VN	-10	3.39	0.001827	± 2.5	PASS
		VN	0	1.3	0.000701	± 2.5	PASS
		VN	10	3.22	0.001736	± 2.5	PASS
		VN	20	1.29	0.000695	± 2.5	PASS
		VN	30	2	0.001078	± 2.5	PASS
		VN	40	-1.63	-0.000879	± 2.5	PASS
		VN	50	2.46	0.001326	± 2.5	PASS
	MCH	VN	-30	4.28	0.002277	± 2.5	PASS
		VN	-20	2.46	0.001309	± 2.5	PASS
		VN	-10	2.2	0.001170	± 2.5	PASS
		VN	0	0.01	0.000005	± 2.5	PASS
		VN	10	-0.97	-0.000516	± 2.5	PASS
		VN	20	-0.93	-0.000495	± 2.5	PASS



		VN	30	3.32	0.001766	± 2.5	PASS
		VN	40	0.23	0.000122	± 2.5	PASS
		VN	50	-0.34	-0.000181	± 2.5	PASS
	HCH	VN	-30	3.25	0.001706	± 2.5	PASS
		VN	-20	3.61	0.001895	± 2.5	PASS
		VN	-10	2.54	0.001333	± 2.5	PASS
		VN	0	3.44	0.001806	± 2.5	PASS
		VN	10	3.9	0.002047	± 2.5	PASS
		VN	20	2.3	0.001207	± 2.5	PASS
		VN	30	0.8	0.000420	± 2.5	PASS
		VN	40	3.19	0.001675	± 2.5	PASS
		VN	50	-1.01	-0.000530	± 2.5	PASS
16QAM	LCH	VN	-30	0.33	0.000178	± 2.5	PASS
		VN	-20	-0.46	-0.000248	± 2.5	PASS
		VN	-10	4.42	0.002383	± 2.5	PASS
		VN	0	0.18	0.000097	± 2.5	PASS
		VN	10	0.35	0.000189	± 2.5	PASS
		VN	20	2.17	0.001170	± 2.5	PASS
		VN	30	-1.43	-0.000771	± 2.5	PASS
		VN	40	3.53	0.001903	± 2.5	PASS
		VN	50	1.43	0.000771	± 2.5	PASS
	MCH	VN	-30	1	0.000532	± 2.5	PASS
		VN	-20	4.43	0.002356	± 2.5	PASS
		VN	-10	-1.88	-0.001000	± 2.5	PASS
		VN	0	4.14	0.002202	± 2.5	PASS
		VN	10	2.42	0.001287	± 2.5	PASS
		VN	20	-1.29	-0.000686	± 2.5	PASS
		VN	30	0.18	0.000096	± 2.5	PASS
		VN	40	1.6	0.000851	± 2.5	PASS
		VN	50	1.53	0.000814	± 2.5	PASS
	HCH	VN	-30	3.1	0.001627	± 2.5	PASS
		VN	-20	-1.38	-0.000724	± 2.5	PASS
		VN	-10	2.47	0.001297	± 2.5	PASS
		VN	0	1.2	0.000630	± 2.5	PASS
		VN	10	3.79	0.001990	± 2.5	PASS
		VN	20	4.9	0.002572	± 2.5	PASS
		VN	30	1.44	0.000756	± 2.5	PASS
		VN	40	2.08	0.001092	± 2.5	PASS
		VN	50	0.9	0.000472	± 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	1.07	0.000576	± 2.5	PASS
		VN	TN	-1.67	-0.000899	± 2.5	PASS
		VH	TN	0.51	0.000275	± 2.5	PASS
	MCH	VL	TN	4.46	0.002372	± 2.5	PASS
		VN	TN	3.23	0.001718	± 2.5	PASS
		VH	TN	-0.54	-0.000287	± 2.5	PASS
	HCH	VL	TN	3.32	0.001745	± 2.5	PASS
		VN	TN	-0.35	-0.000184	± 2.5	PASS
		VH	TN	-1.3	-0.000683	± 2.5	PASS
16QAM	LCH	VL	TN	4.36	0.002347	± 2.5	PASS
		VN	TN	4.23	0.002277	± 2.5	PASS
		VH	TN	-1.23	-0.000662	± 2.5	PASS
	MCH	VL	TN	4.51	0.002399	± 2.5	PASS
		VN	TN	2.85	0.001516	± 2.5	PASS
		VH	TN	0.04	0.000021	± 2.5	PASS
	HCH	VL	TN	3.29	0.001729	± 2.5	PASS
		VN	TN	0.59	0.000310	± 2.5	PASS
		VH	TN	-1.21	-0.000636	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.56	0.000840	± 2.5	PASS
		VN	-20	-1.19	-0.000641	± 2.5	PASS
		VN	-10	-0.18	-0.000097	± 2.5	PASS
		VN	0	4.79	0.002579	± 2.5	PASS
		VN	10	1.82	0.000980	± 2.5	PASS
		VN	20	-1.9	-0.001023	± 2.5	PASS
		VN	30	-0.34	-0.000183	± 2.5	PASS
		VN	40	4.75	0.002557	± 2.5	PASS
		VN	50	4.83	0.002600	± 2.5	PASS
	MCH	VN	-30	4.56	0.002426	± 2.5	PASS
		VN	-20	3.04	0.001617	± 2.5	PASS
		VN	-10	-0.7	-0.000372	± 2.5	PASS
		VN	0	1.62	0.000862	± 2.5	PASS
		VN	10	3.05	0.001622	± 2.5	PASS
		VN	20	4.63	0.002463	± 2.5	PASS

		VN	30	4.15	0.002207	± 2.5	PASS
		VN	40	2.04	0.001085	± 2.5	PASS
		VN	50	0.09	0.000048	± 2.5	PASS
	HCH	VN	-30	2.74	0.001440	± 2.5	PASS
		VN	-20	-1.43	-0.000752	± 2.5	PASS
		VN	-10	4.87	0.002560	± 2.5	PASS
		VN	0	-1.76	-0.000925	± 2.5	PASS
		VN	10	-1.12	-0.000589	± 2.5	PASS
		VN	20	0.43	0.000226	± 2.5	PASS
		VN	30	0.21	0.000110	± 2.5	PASS
		VN	40	-1.1	-0.000578	± 2.5	PASS
		VN	50	3.73	0.001961	± 2.5	PASS
16QAM	LCH	VN	-30	4.1	0.002207	± 2.5	PASS
		VN	-20	2.64	0.001421	± 2.5	PASS
		VN	-10	1.98	0.001066	± 2.5	PASS
		VN	0	1.28	0.000689	± 2.5	PASS
		VN	10	-1.16	-0.000624	± 2.5	PASS
		VN	20	-1.3	-0.000700	± 2.5	PASS
		VN	30	2.18	0.001174	± 2.5	PASS
		VN	40	2.99	0.001610	± 2.5	PASS
		VN	50	-0.38	-0.000205	± 2.5	PASS
	MCH	VN	-30	0.06	0.000032	± 2.5	PASS
		VN	-20	3.3	0.001755	± 2.5	PASS
		VN	-10	3.97	0.002112	± 2.5	PASS
		VN	0	4.7	0.002500	± 2.5	PASS
		VN	10	2.86	0.001521	± 2.5	PASS
		VN	20	-0.41	-0.000218	± 2.5	PASS
		VN	30	-0.93	-0.000495	± 2.5	PASS
		VN	40	2.29	0.001218	± 2.5	PASS
		VN	50	-0.48	-0.000255	± 2.5	PASS
	HCH	VN	-30	4.51	0.002371	± 2.5	PASS
		VN	-20	2.18	0.001146	± 2.5	PASS
		VN	-10	3.71	0.001950	± 2.5	PASS
		VN	0	4.42	0.002323	± 2.5	PASS
		VN	10	0.58	0.000305	± 2.5	PASS
		VN	20	3.98	0.002092	± 2.5	PASS
		VN	30	3.94	0.002071	± 2.5	PASS
		VN	40	-0.49	-0.000258	± 2.5	PASS
		VN	50	-1.59	-0.000836	± 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	-1.64	-0.000882	± 2.5	PASS
		VN	TN	-1.54	-0.000828	± 2.5	PASS
		VH	TN	0.58	0.000312	± 2.5	PASS
	MCH	VL	TN	4.94	0.002628	± 2.5	PASS
		VN	TN	-1.38	-0.000734	± 2.5	PASS
		VH	TN	3.96	0.002106	± 2.5	PASS
	HCH	VL	TN	-1.75	-0.000921	± 2.5	PASS
		VN	TN	4.53	0.002384	± 2.5	PASS
		VH	TN	-1.77	-0.000932	± 2.5	PASS
16QAM	LCH	VL	TN	2.19	0.001177	± 2.5	PASS
		VN	TN	-0.39	-0.000210	± 2.5	PASS
		VH	TN	1.38	0.000742	± 2.5	PASS
	MCH	VL	TN	2.6	0.001383	± 2.5	PASS
		VN	TN	2.28	0.001213	± 2.5	PASS
		VH	TN	2.23	0.001186	± 2.5	PASS
	HCH	VL	TN	-0.84	-0.000442	± 2.5	PASS
		VN	TN	1.94	0.001021	± 2.5	PASS
		VH	TN	1.28	0.000674	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.45	-0.000780	± 2.5	PASS
		VN	-20	3.96	0.002129	± 2.5	PASS
		VN	-10	-0.25	-0.000134	± 2.5	PASS
		VN	0	0.91	0.000489	± 2.5	PASS
		VN	10	0.91	0.000489	± 2.5	PASS
		VN	20	-0.19	-0.000102	± 2.5	PASS
		VN	30	-0.17	-0.000091	± 2.5	PASS
		VN	40	-1.02	-0.000548	± 2.5	PASS
		VN	50	4.99	0.002683	± 2.5	PASS
	MCH	VN	-30	2.99	0.001590	± 2.5	PASS
		VN	-20	-0.77	-0.000410	± 2.5	PASS
		VN	-10	-1.54	-0.000819	± 2.5	PASS
		VN	0	1.49	0.000793	± 2.5	PASS
		VN	10	1.72	0.000915	± 2.5	PASS
		VN	20	0.62	0.000330	± 2.5	PASS



		VN	30	0.59	0.000314	± 2.5	PASS
		VN	40	4.21	0.002239	± 2.5	PASS
		VN	50	0.33	0.000176	± 2.5	PASS
	HCH	VN	-30	4.57	0.002405	± 2.5	PASS
		VN	-20	-0.4	-0.000211	± 2.5	PASS
		VN	-10	2.08	0.001095	± 2.5	PASS
		VN	0	-1.73	-0.000911	± 2.5	PASS
		VN	10	-1.51	-0.000795	± 2.5	PASS
		VN	20	1.61	0.000847	± 2.5	PASS
		VN	30	-1.7	-0.000895	± 2.5	PASS
		VN	40	-0.04	-0.000021	± 2.5	PASS
		VN	50	4.87	0.002563	± 2.5	PASS
16QAM	LCH	VN	-30	-0.28	-0.000151	± 2.5	PASS
		VN	-20	0.11	0.000059	± 2.5	PASS
		VN	-10	3.02	0.001624	± 2.5	PASS
		VN	0	-1.78	-0.000957	± 2.5	PASS
		VN	10	1.45	0.000780	± 2.5	PASS
		VN	20	2.19	0.001177	± 2.5	PASS
		VN	30	-0.5	-0.000269	± 2.5	PASS
		VN	40	2.56	0.001376	± 2.5	PASS
		VN	50	4.06	0.002183	± 2.5	PASS
	MCH	VN	-30	-0.56	-0.000298	± 2.5	PASS
		VN	-20	1.09	0.000580	± 2.5	PASS
		VN	-10	-1.74	-0.000926	± 2.5	PASS
		VN	0	1.97	0.001048	± 2.5	PASS
		VN	10	-1.91	-0.001016	± 2.5	PASS
		VN	20	4.55	0.002420	± 2.5	PASS
		VN	30	2.03	0.001080	± 2.5	PASS
		VN	40	3.48	0.001851	± 2.5	PASS
		VN	50	-1.11	-0.000590	± 2.5	PASS
	HCH	VN	-30	1.44	0.000758	± 2.5	PASS
		VN	-20	4.84	0.002547	± 2.5	PASS
		VN	-10	-1.67	-0.000879	± 2.5	PASS
		VN	0	0.86	0.000453	± 2.5	PASS
		VN	10	-0.57	-0.000300	± 2.5	PASS
		VN	20	4.02	0.002116	± 2.5	PASS
		VN	30	2.49	0.001311	± 2.5	PASS
		VN	40	-1.16	-0.000611	± 2.5	PASS
		VN	50	1.69	0.000889	± 2.5	PASS