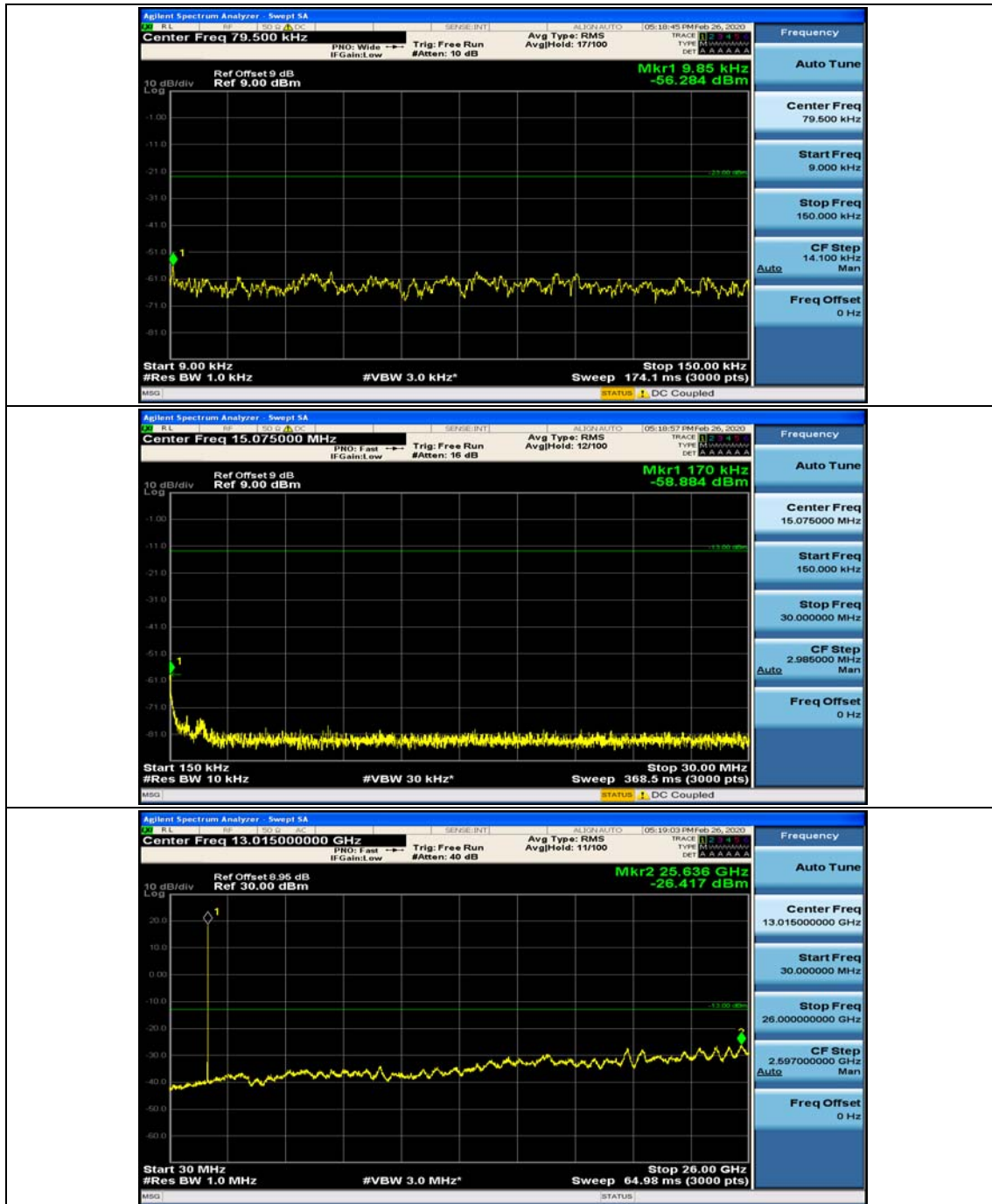
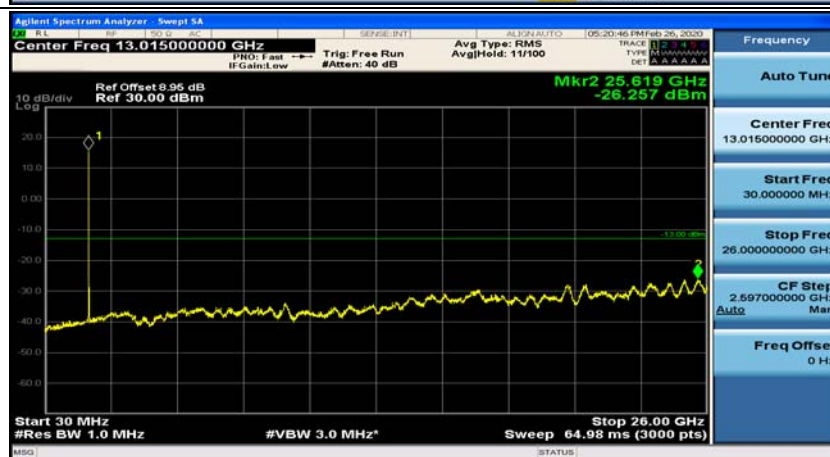
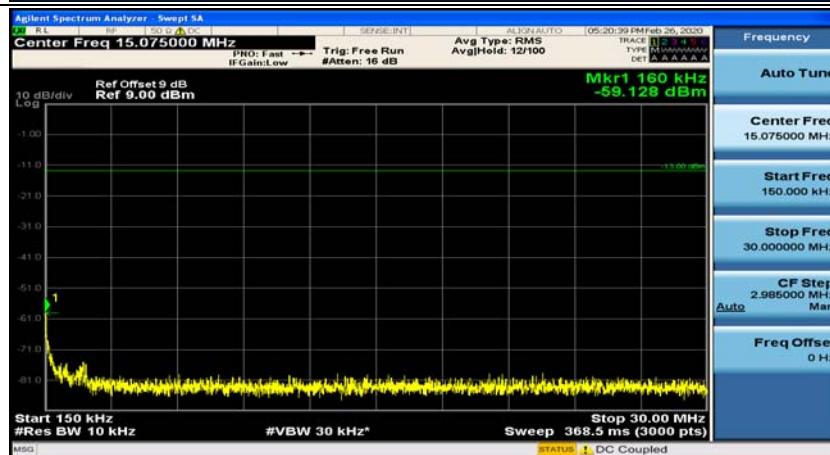
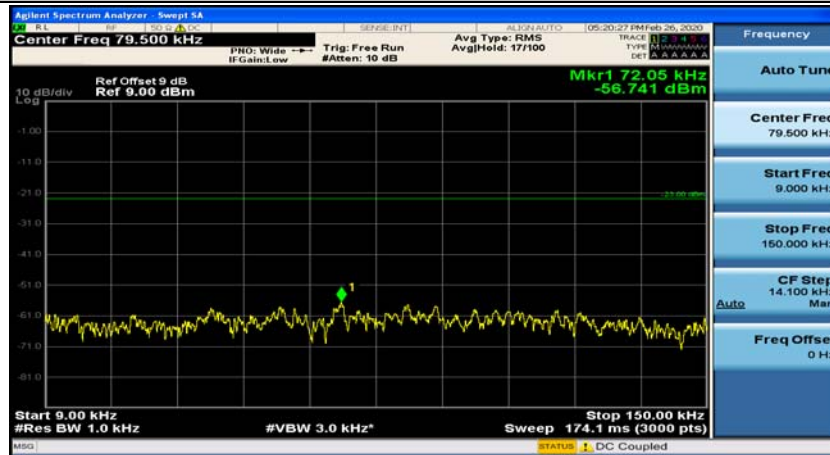
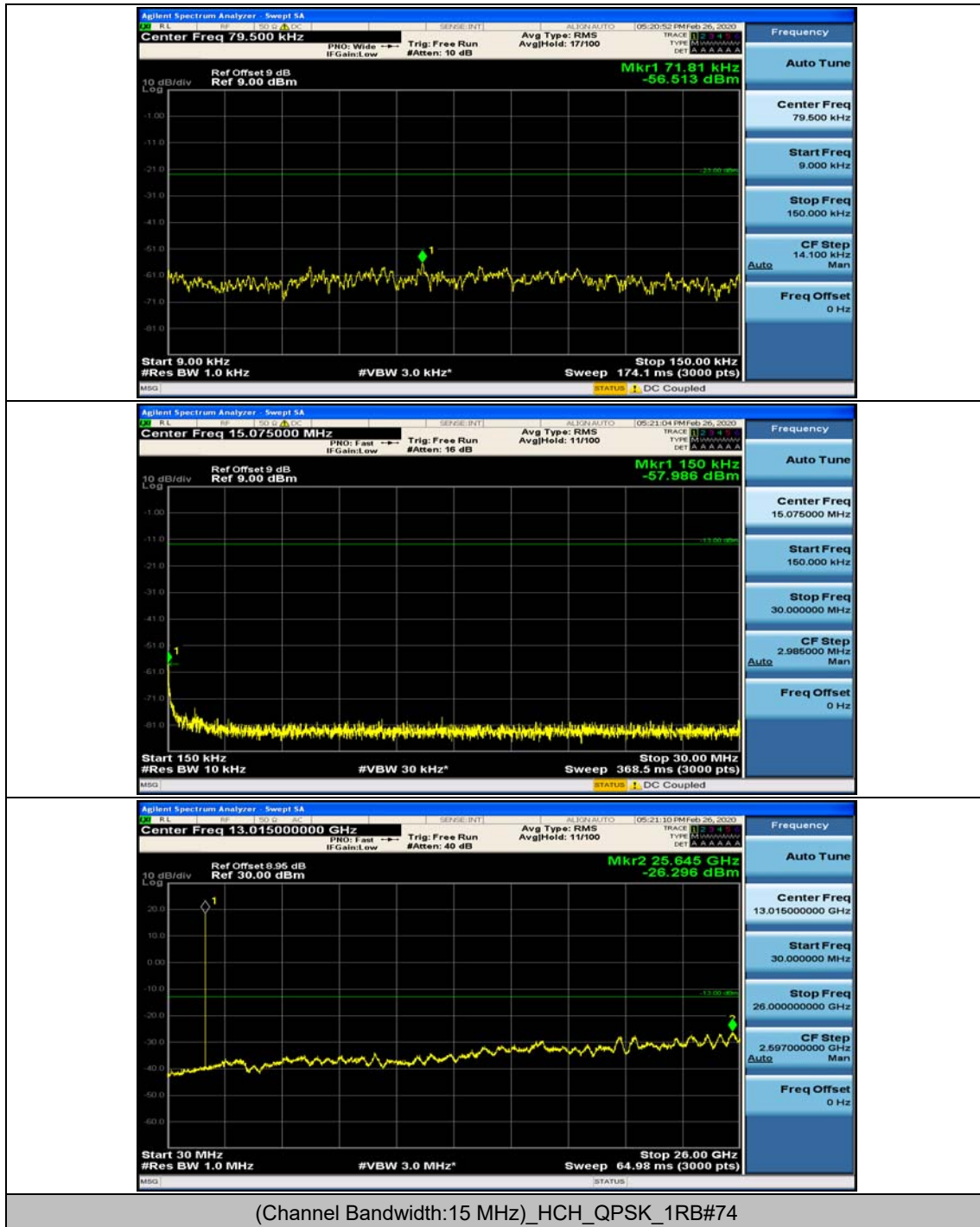


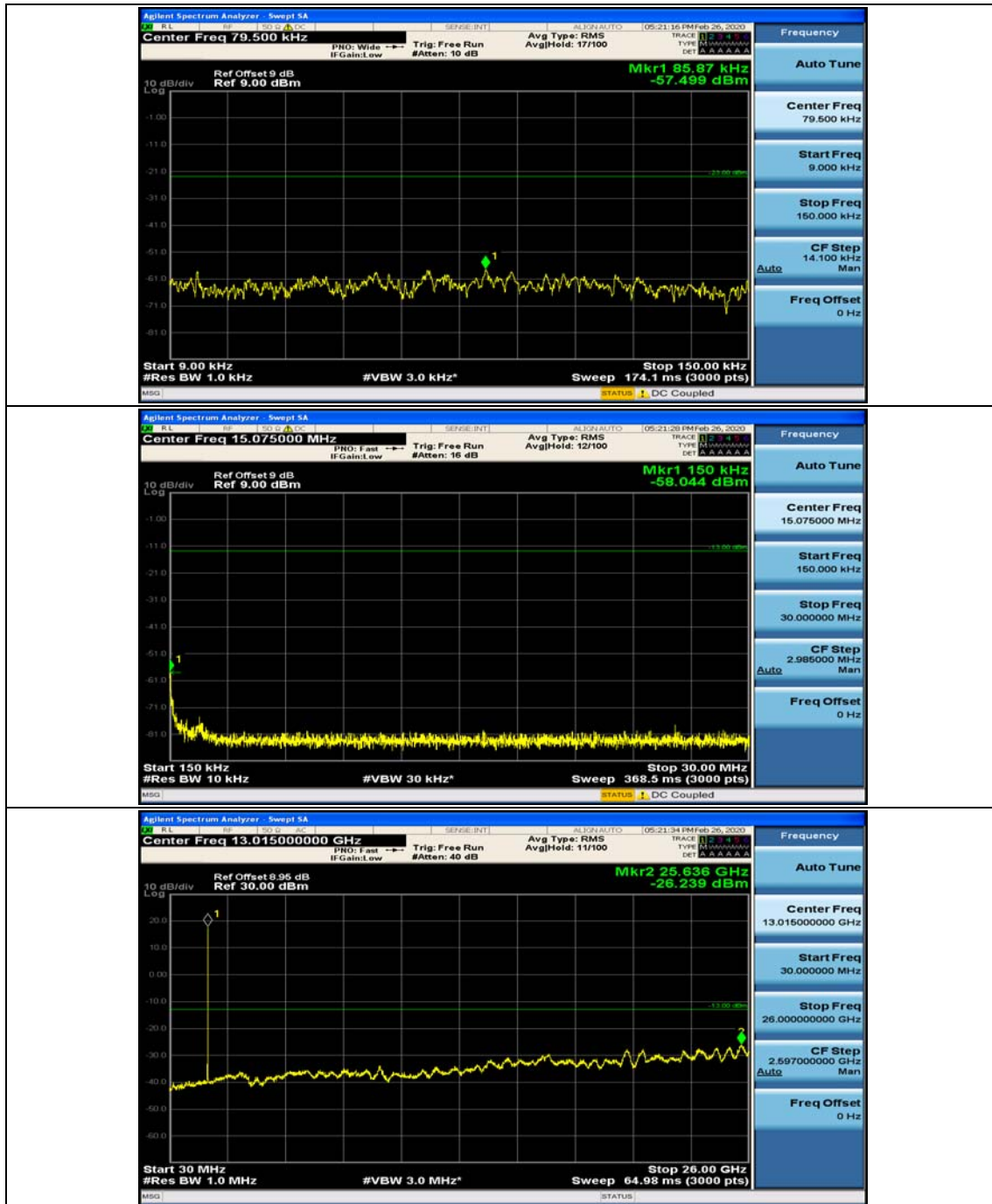


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

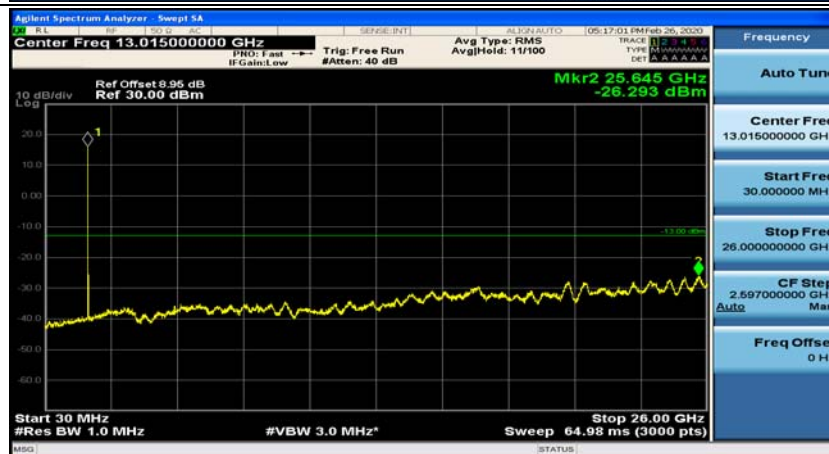
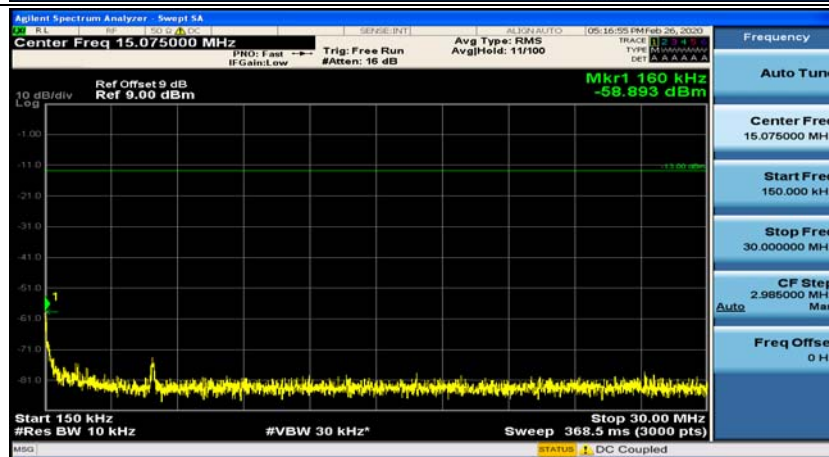
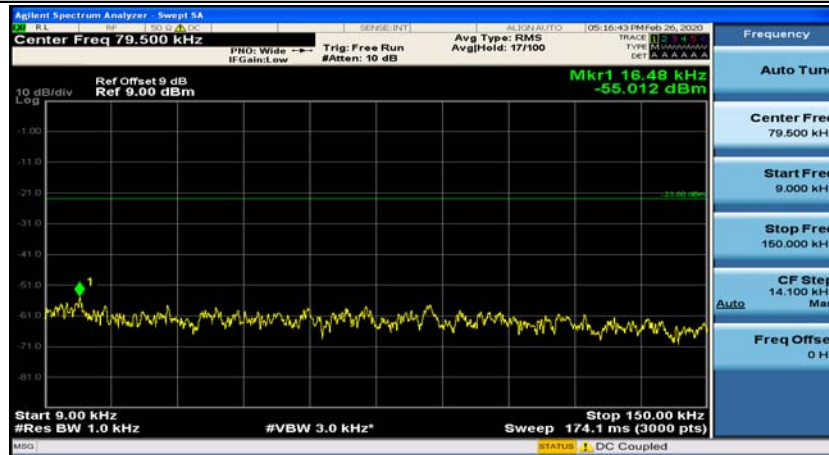


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

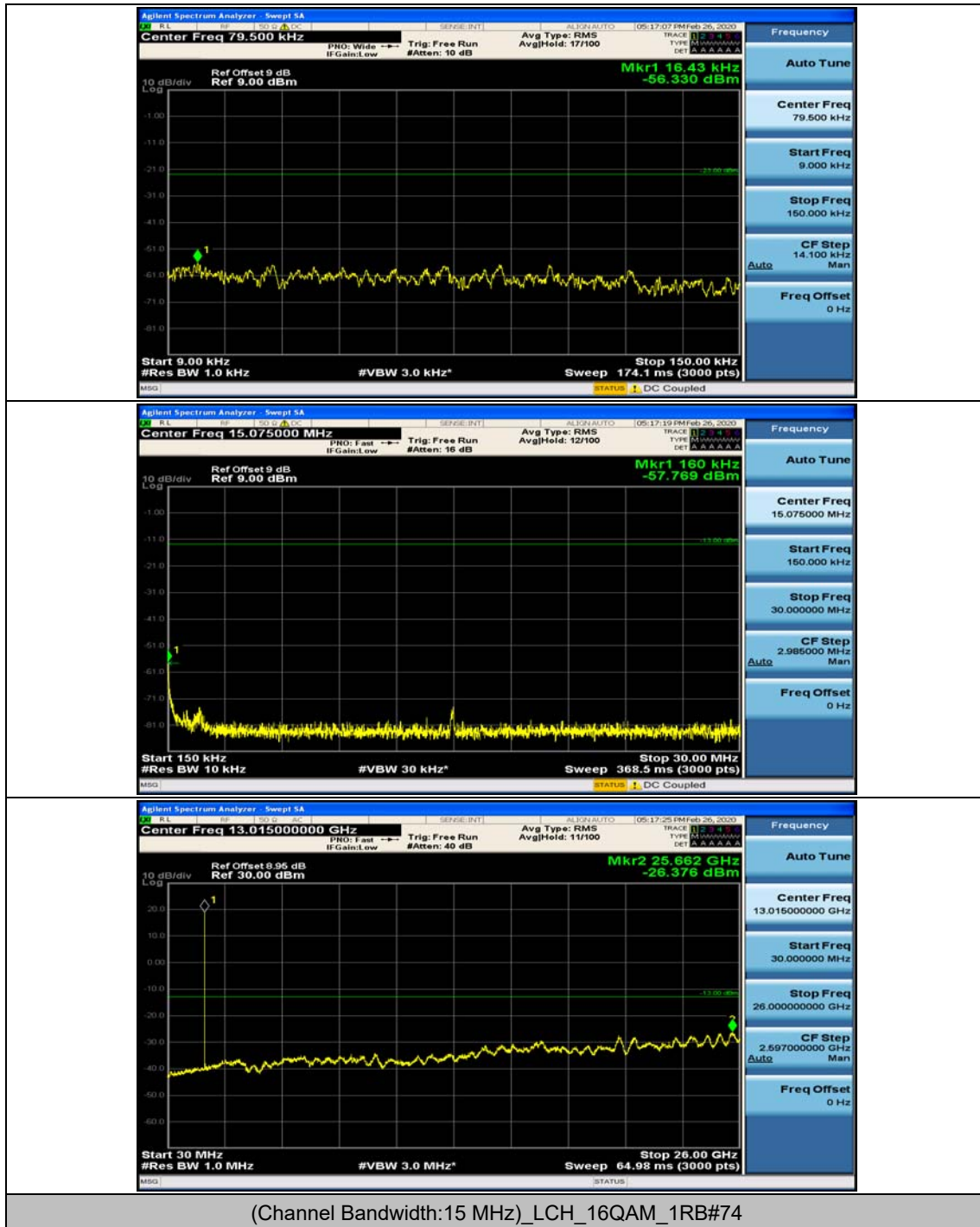


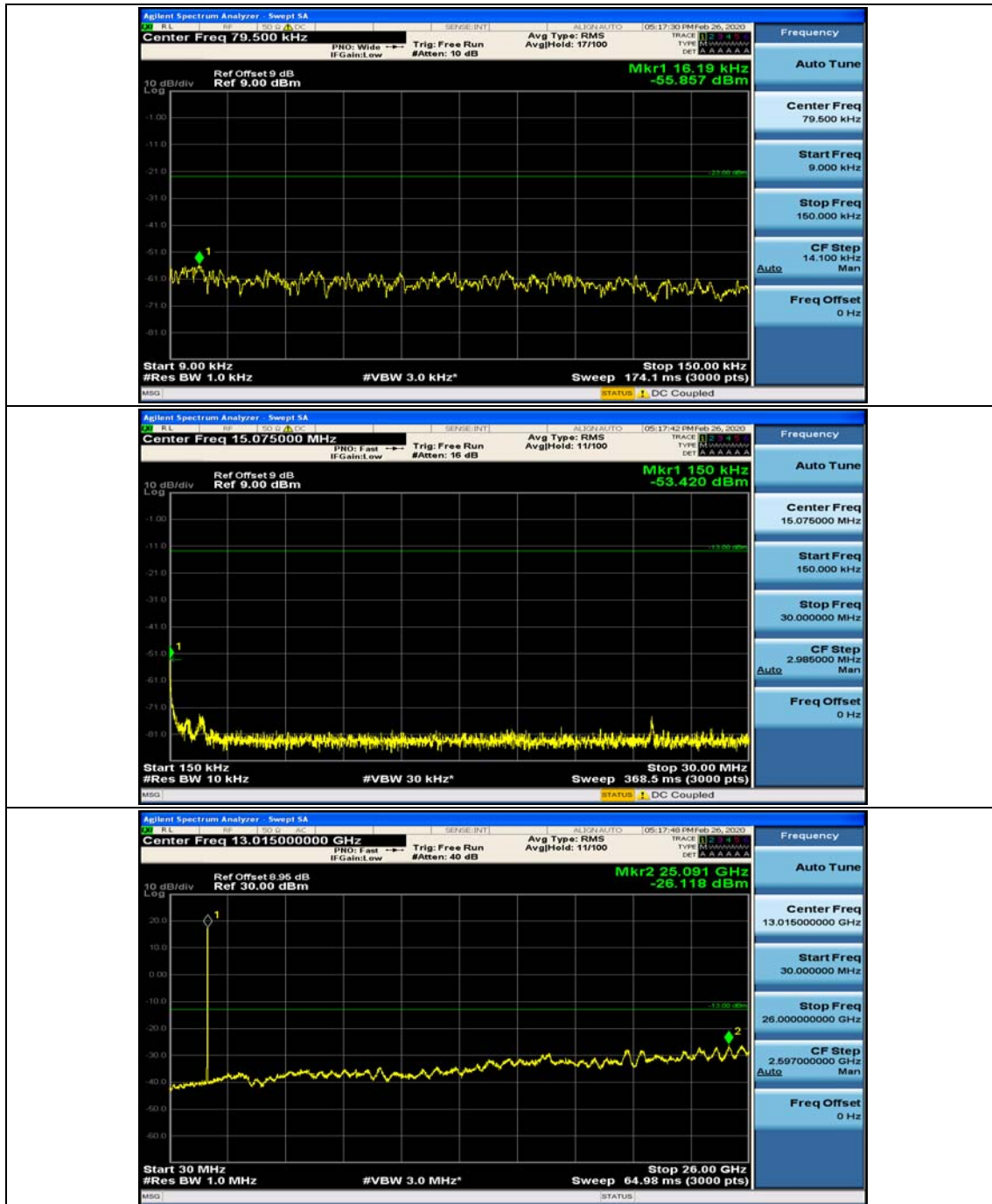


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

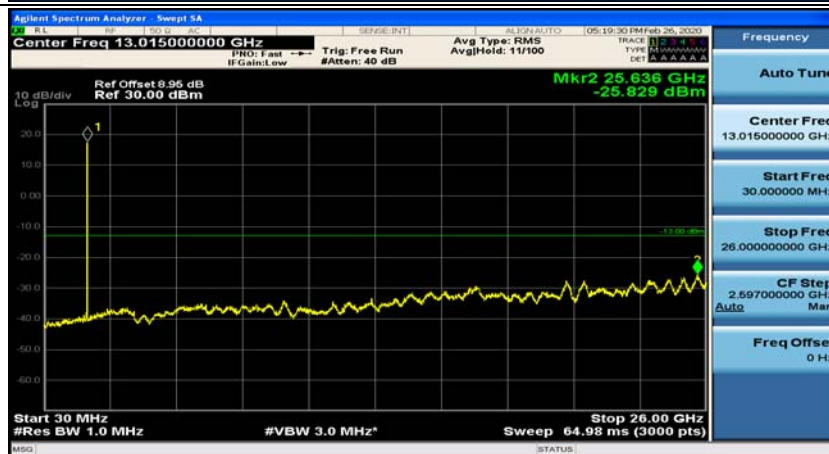
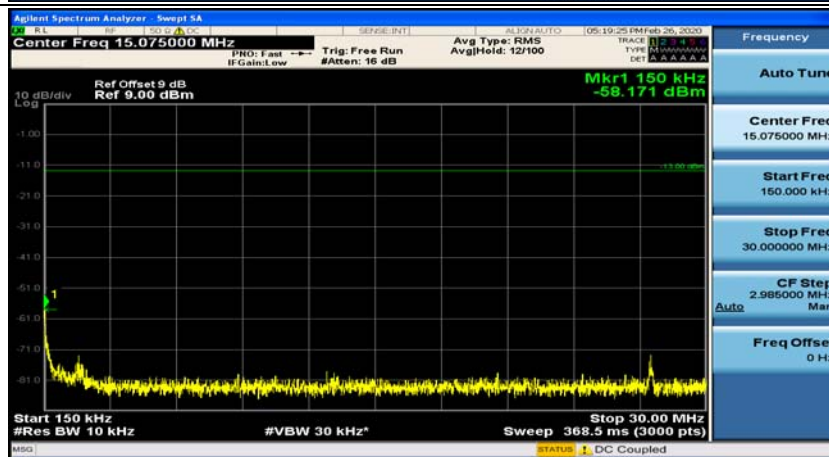


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

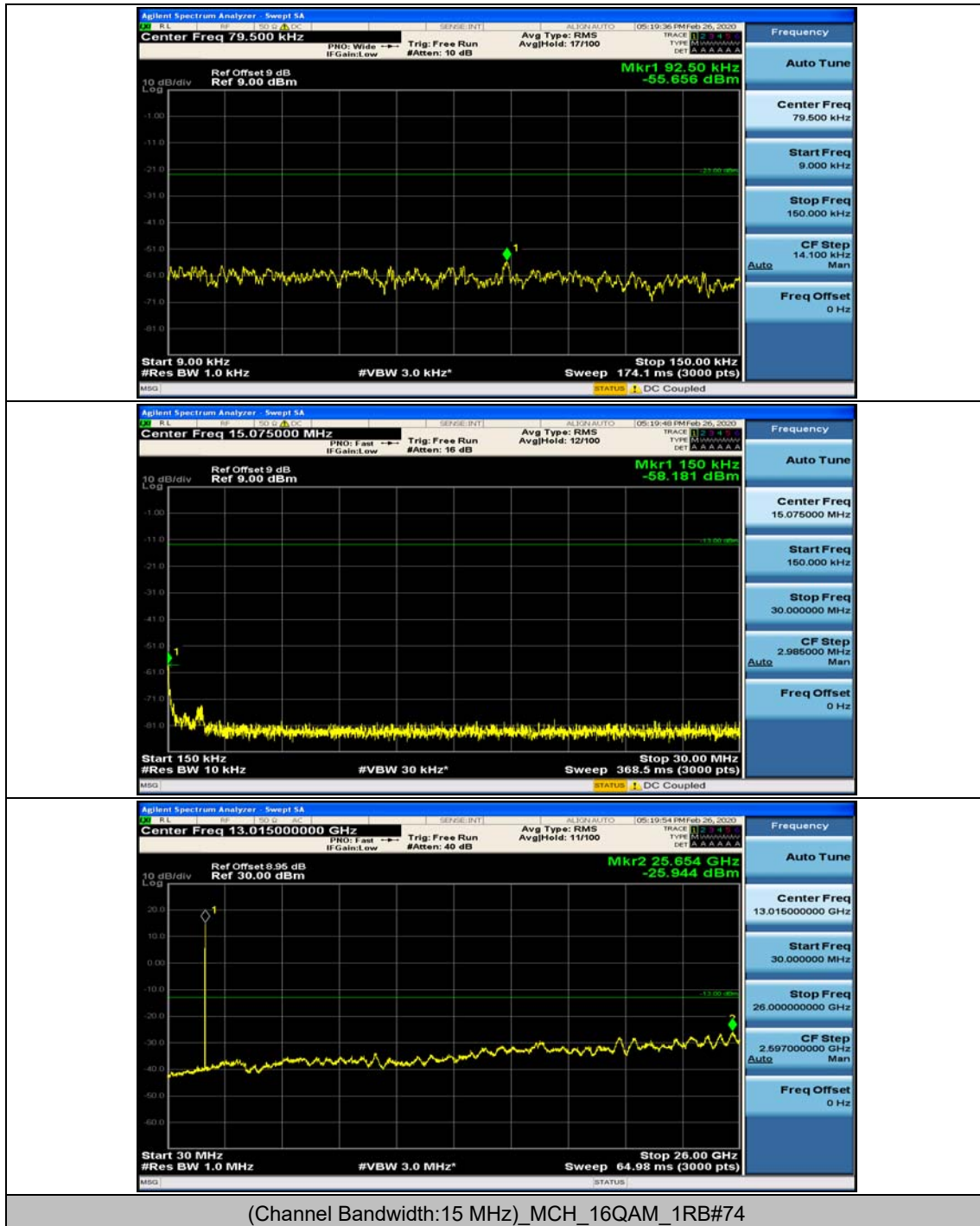


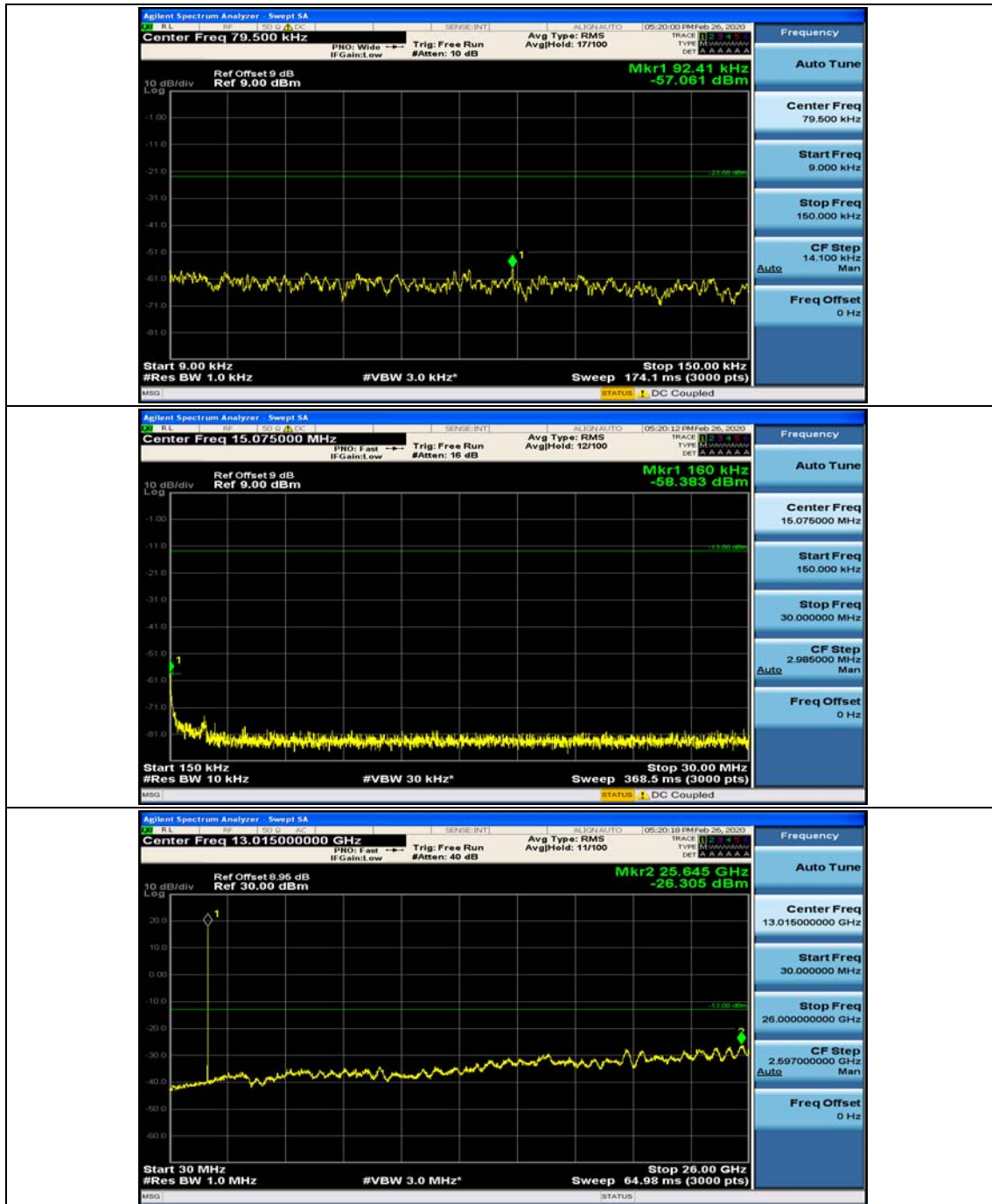


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

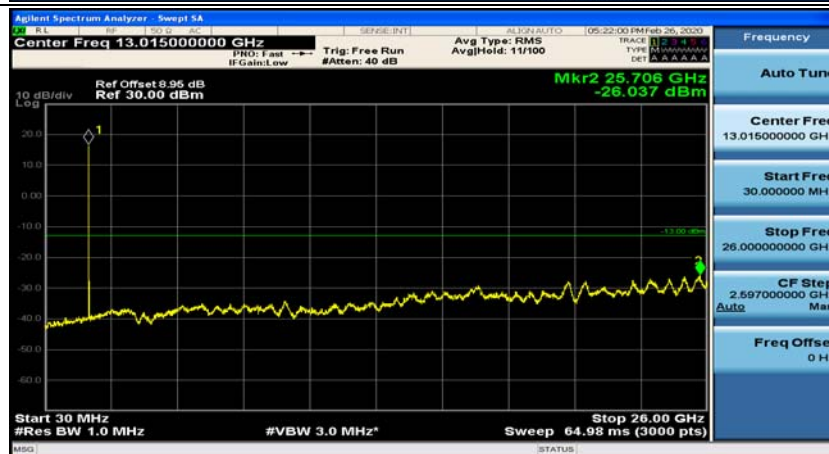
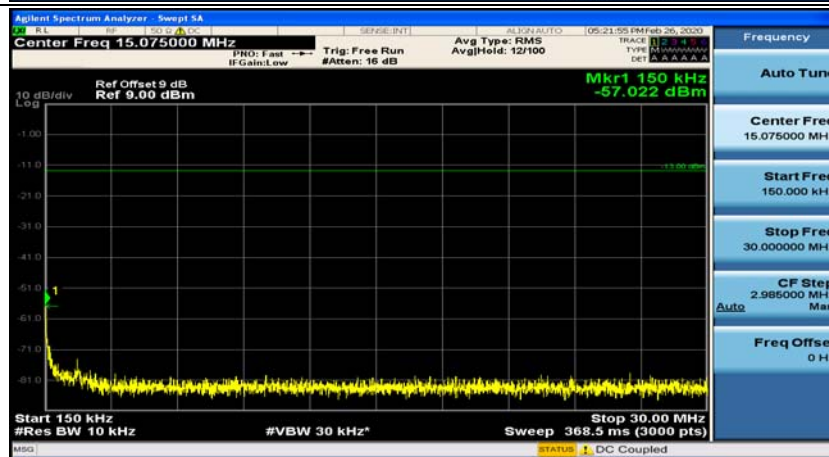
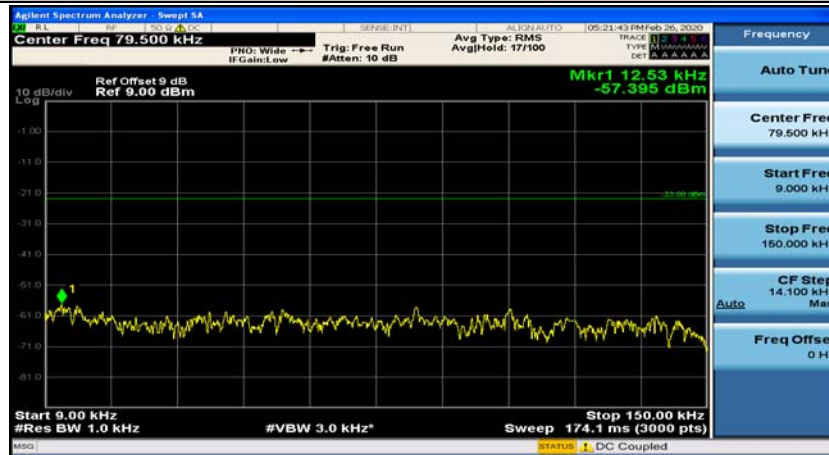


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

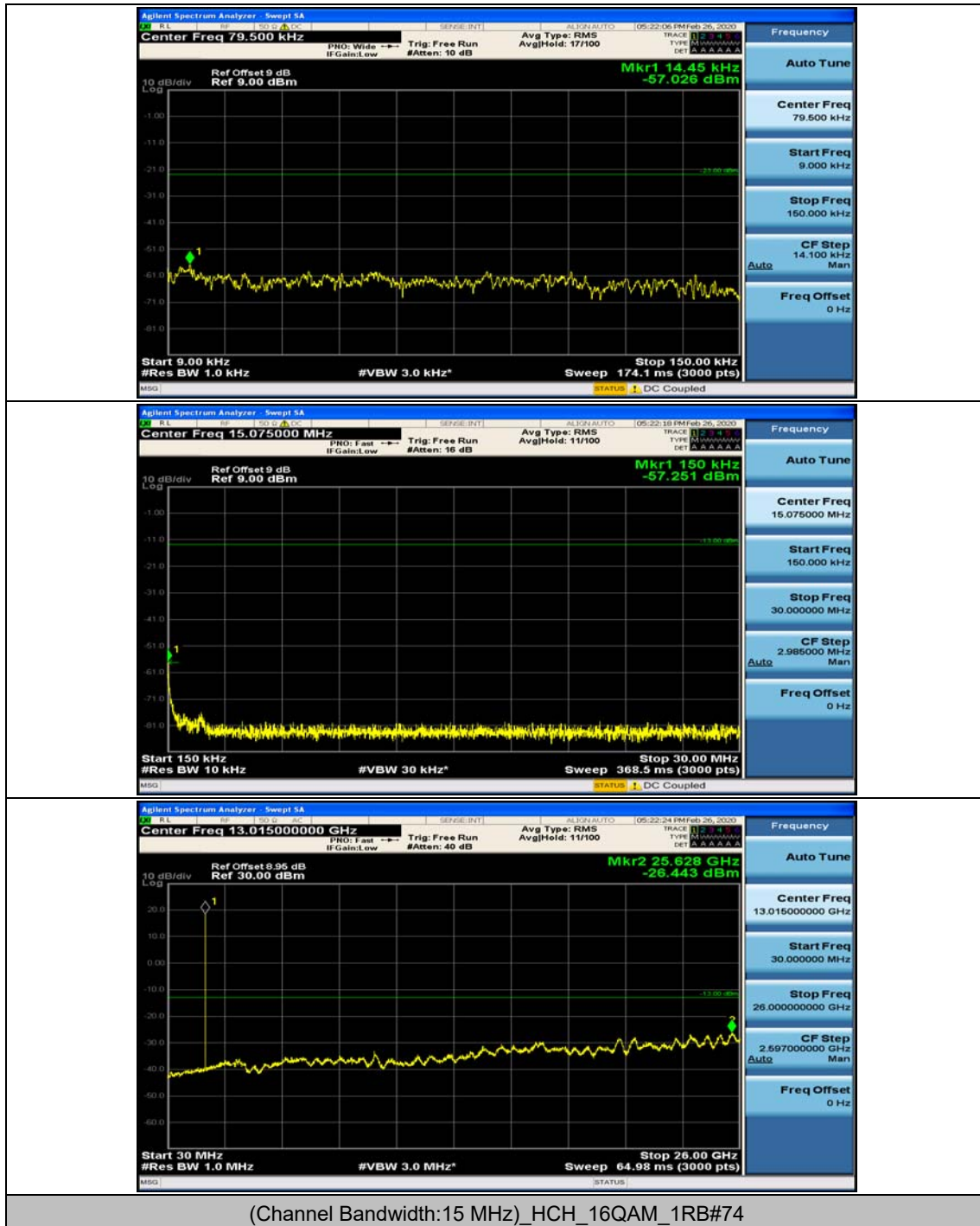


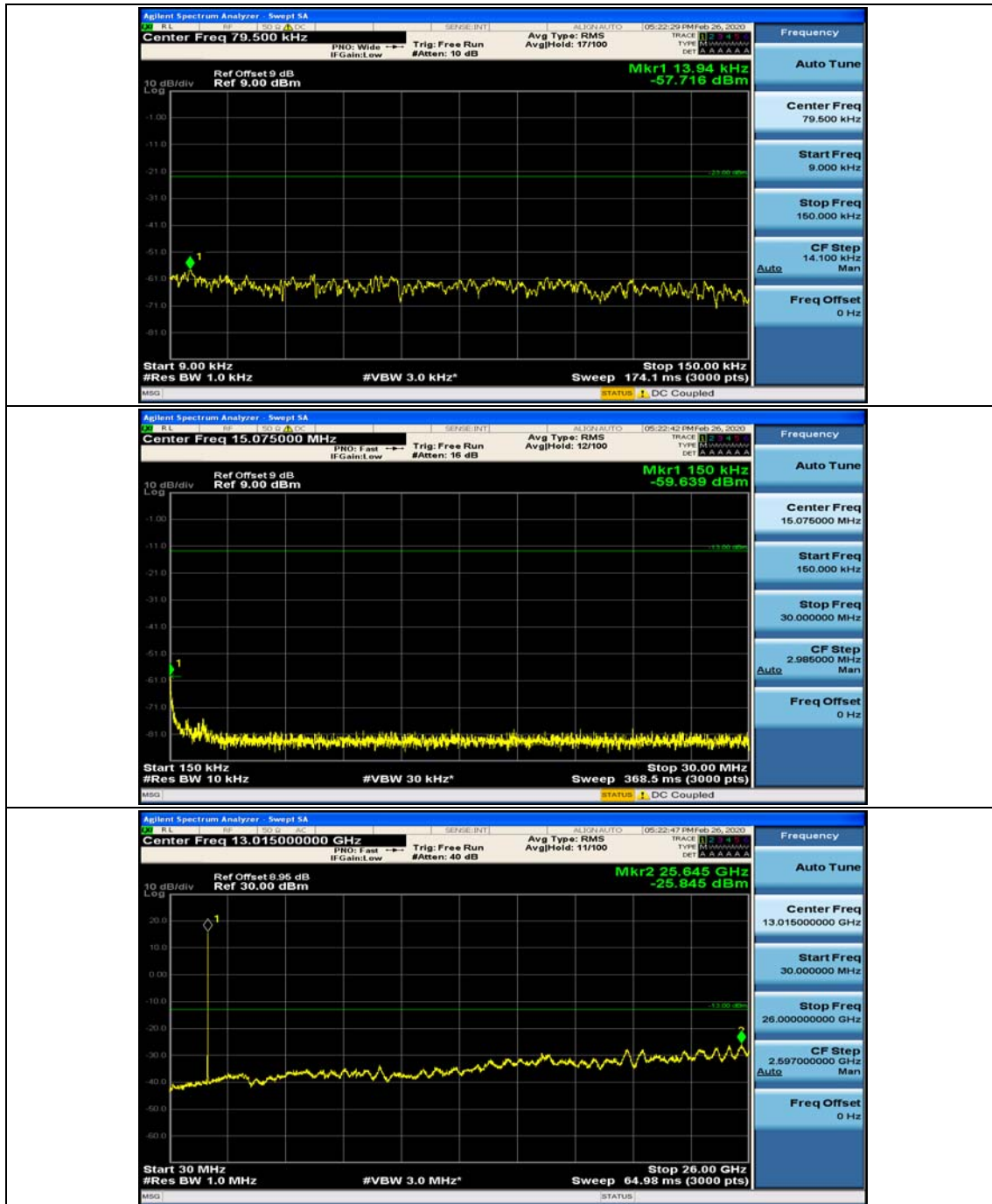


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

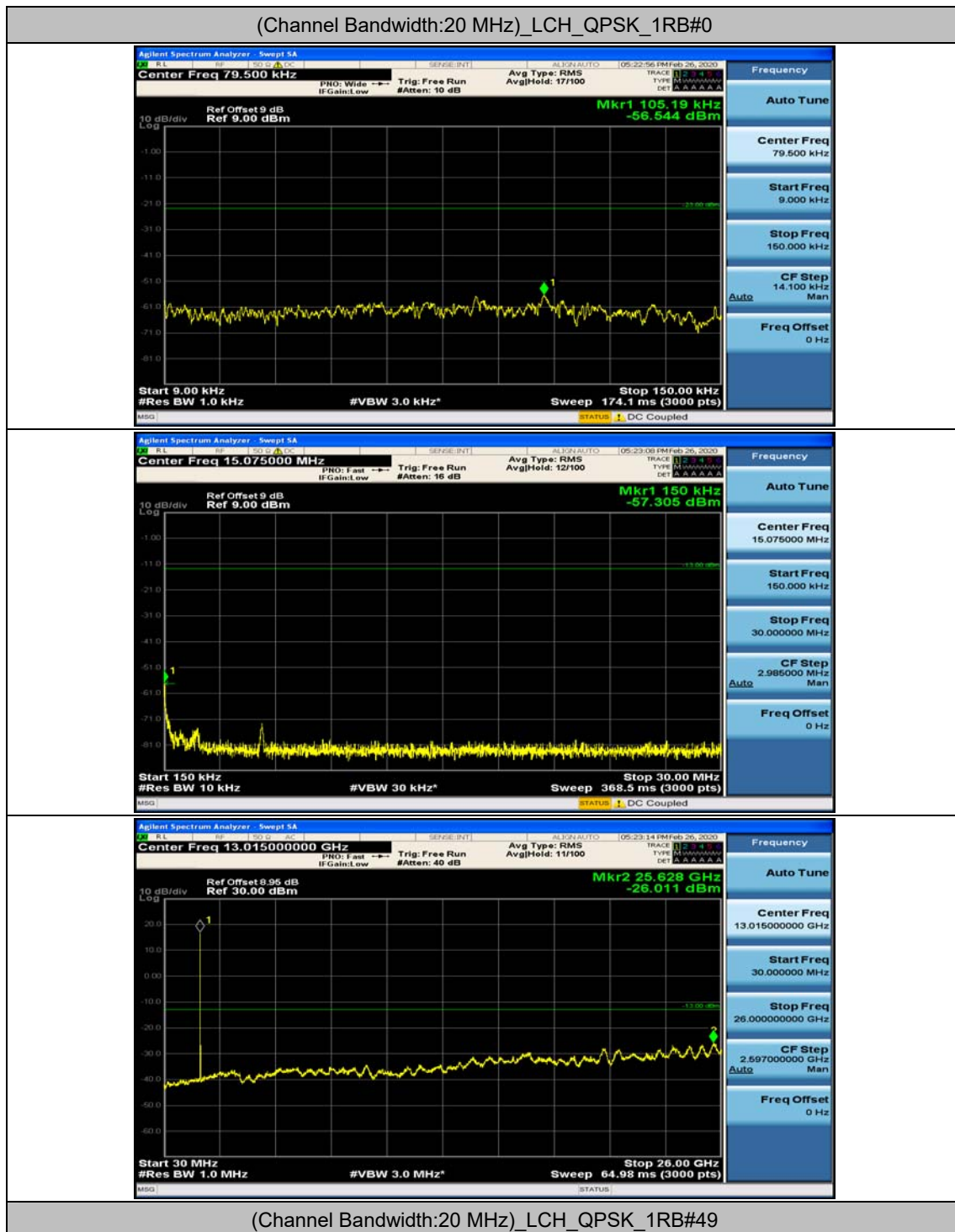


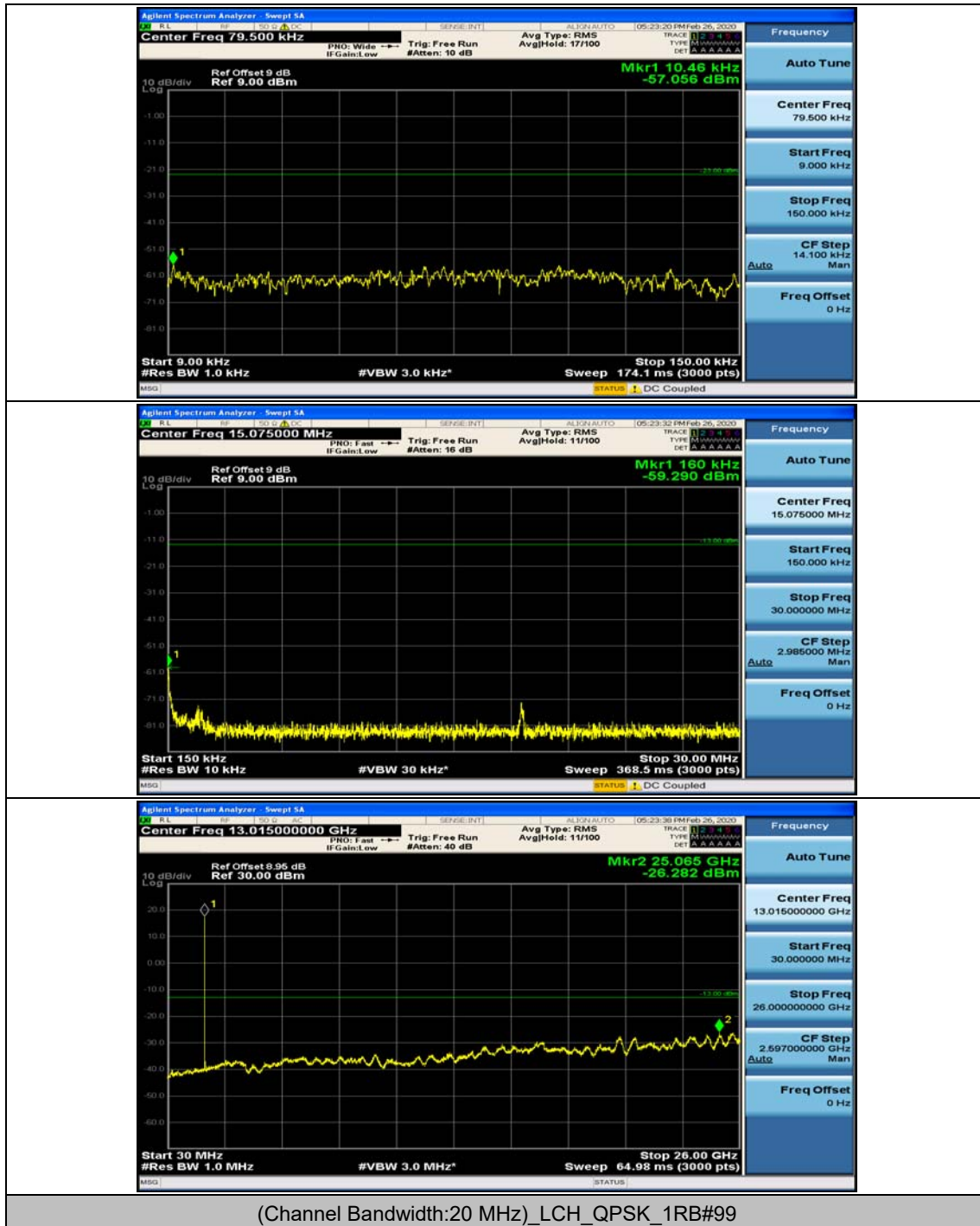
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

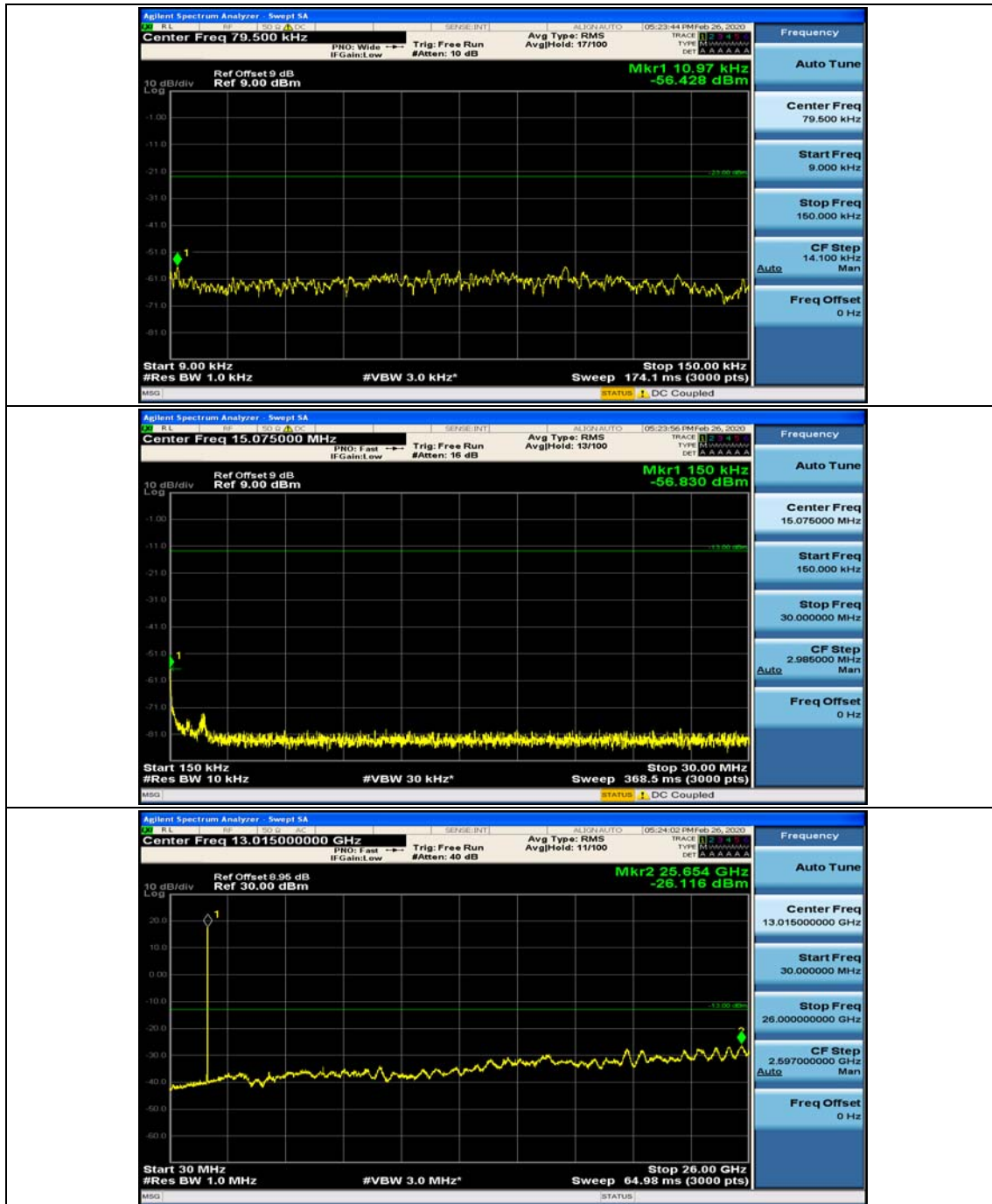




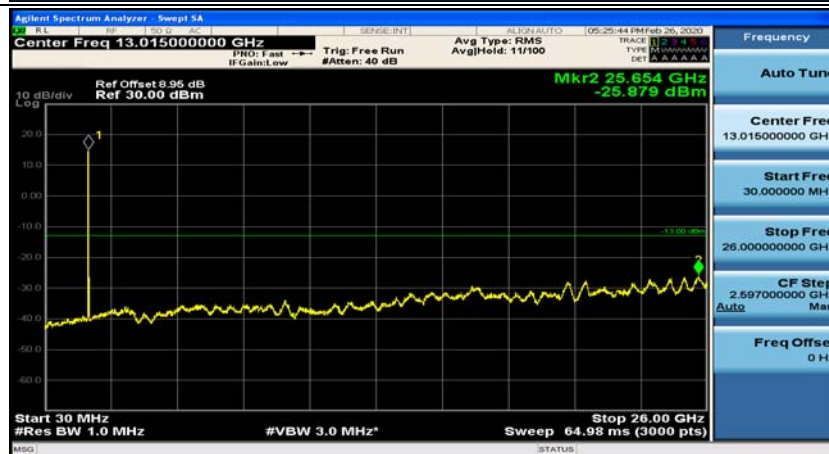
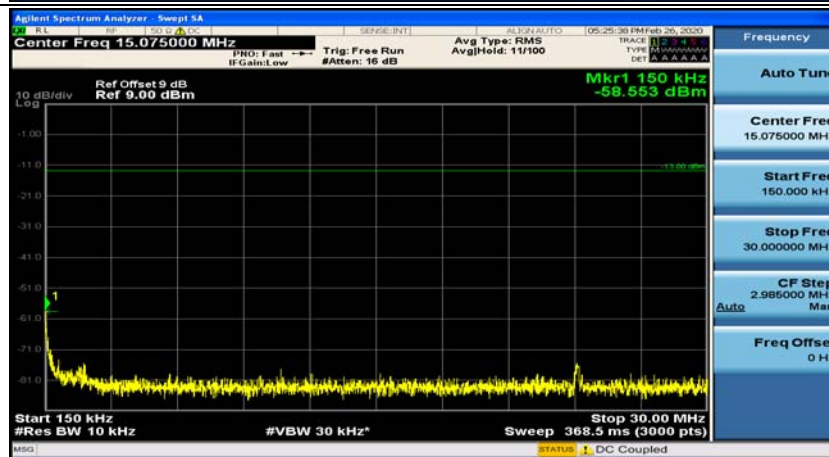
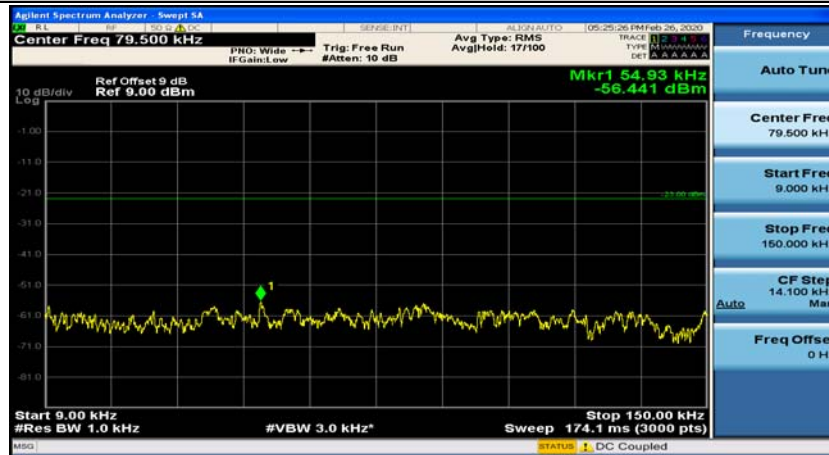
Channel Bandwidth: 20 MHz



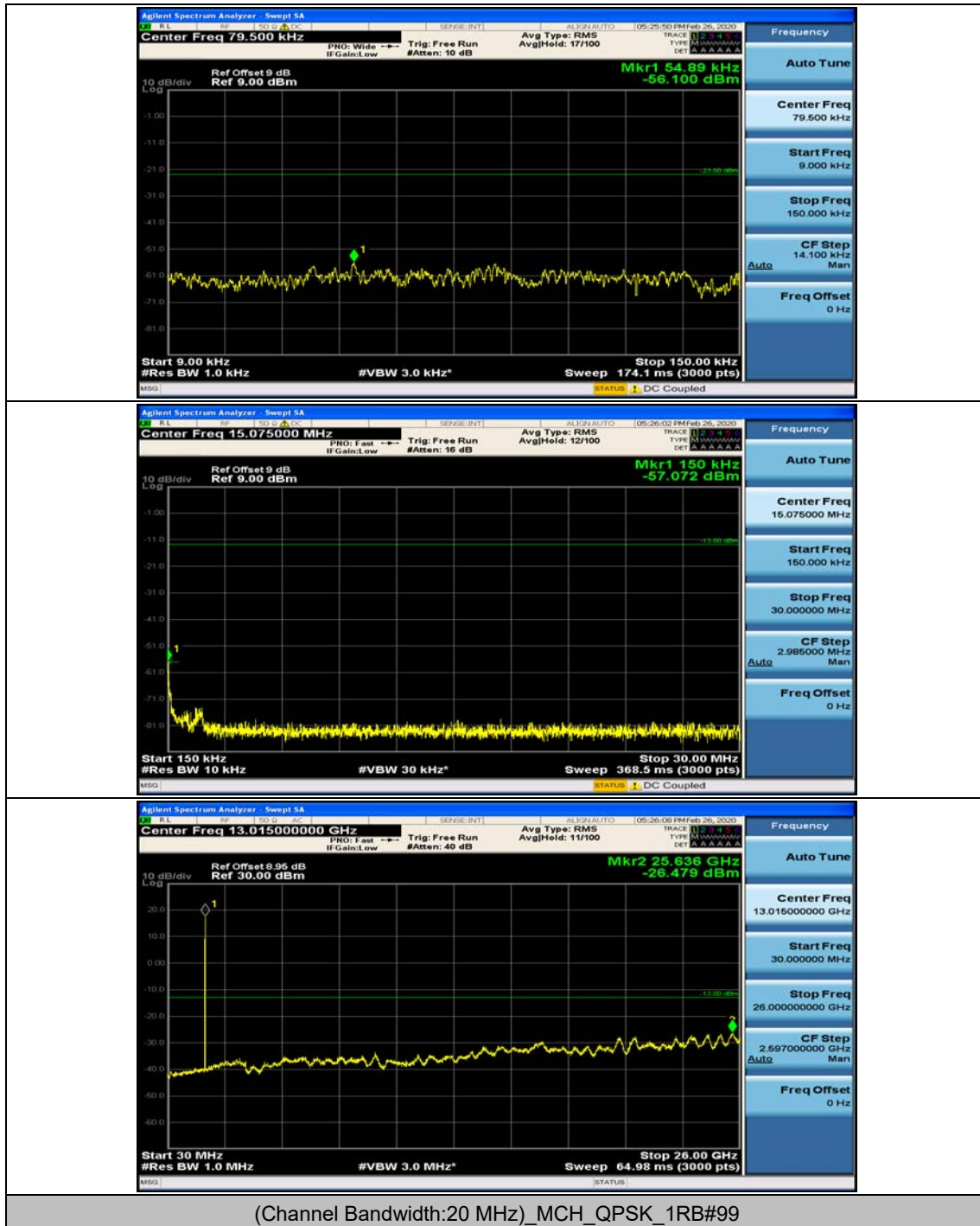


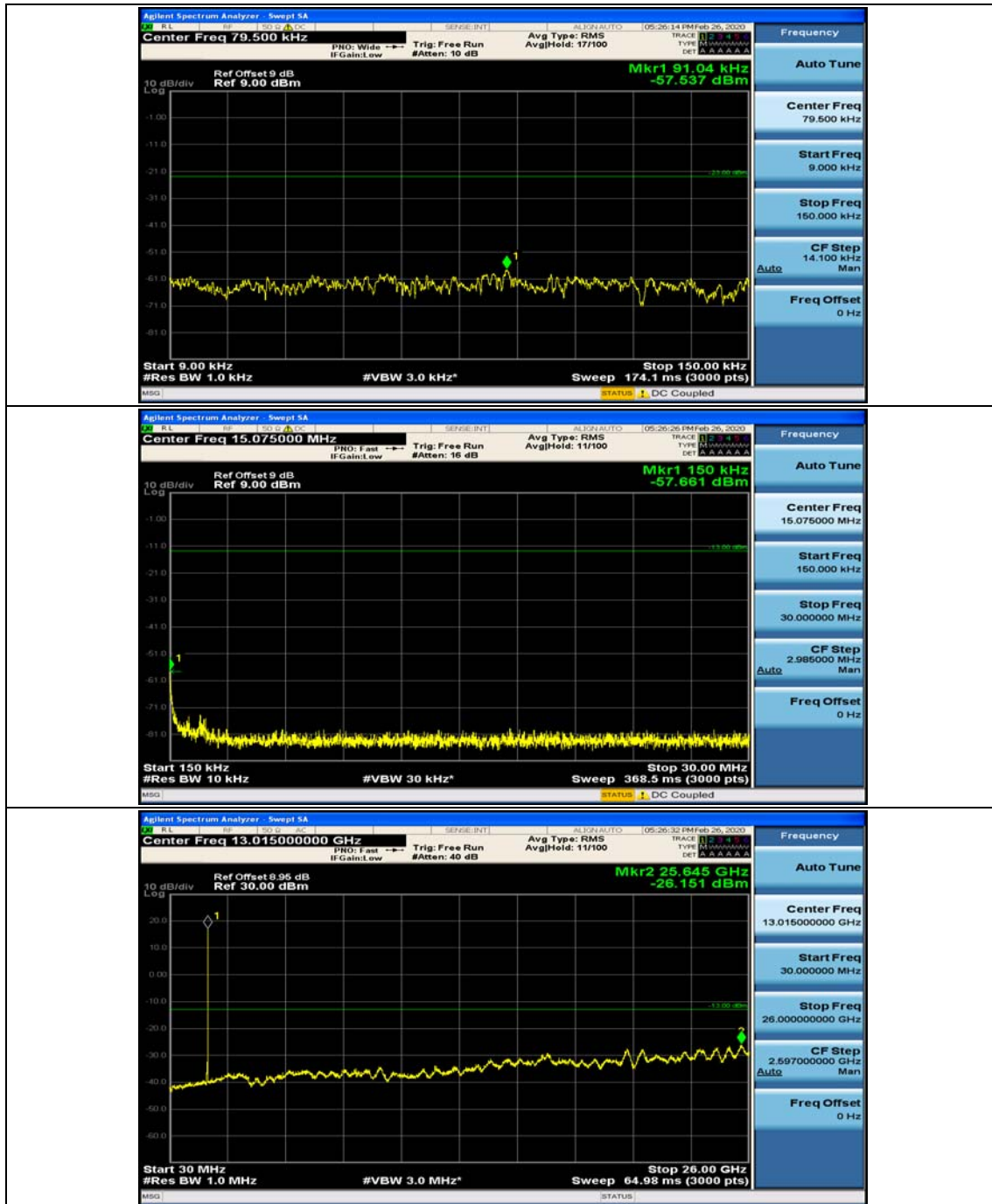


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

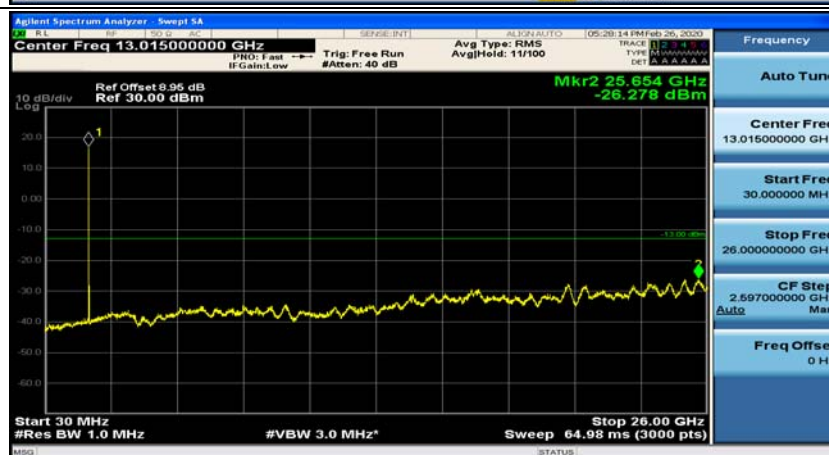
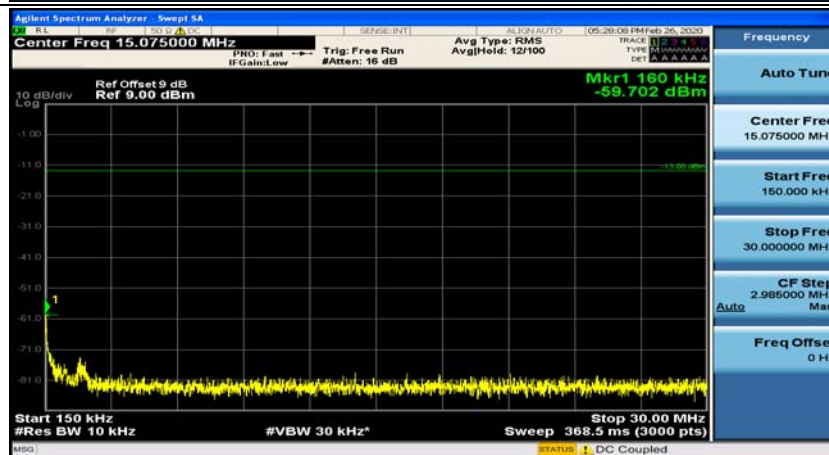
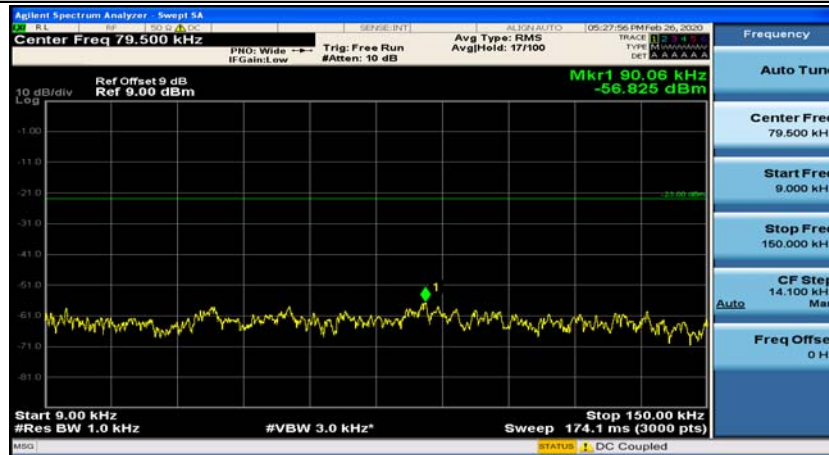


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

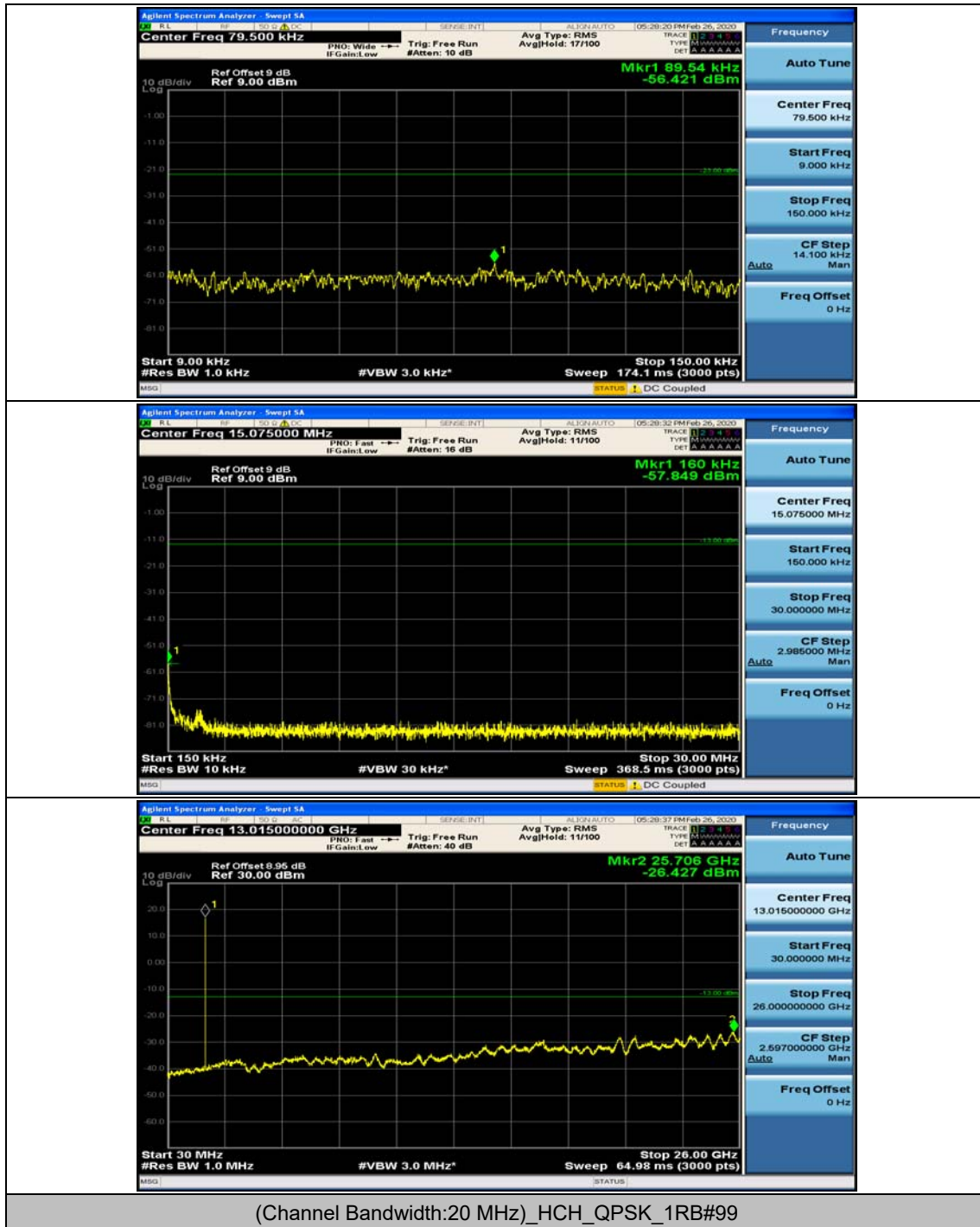


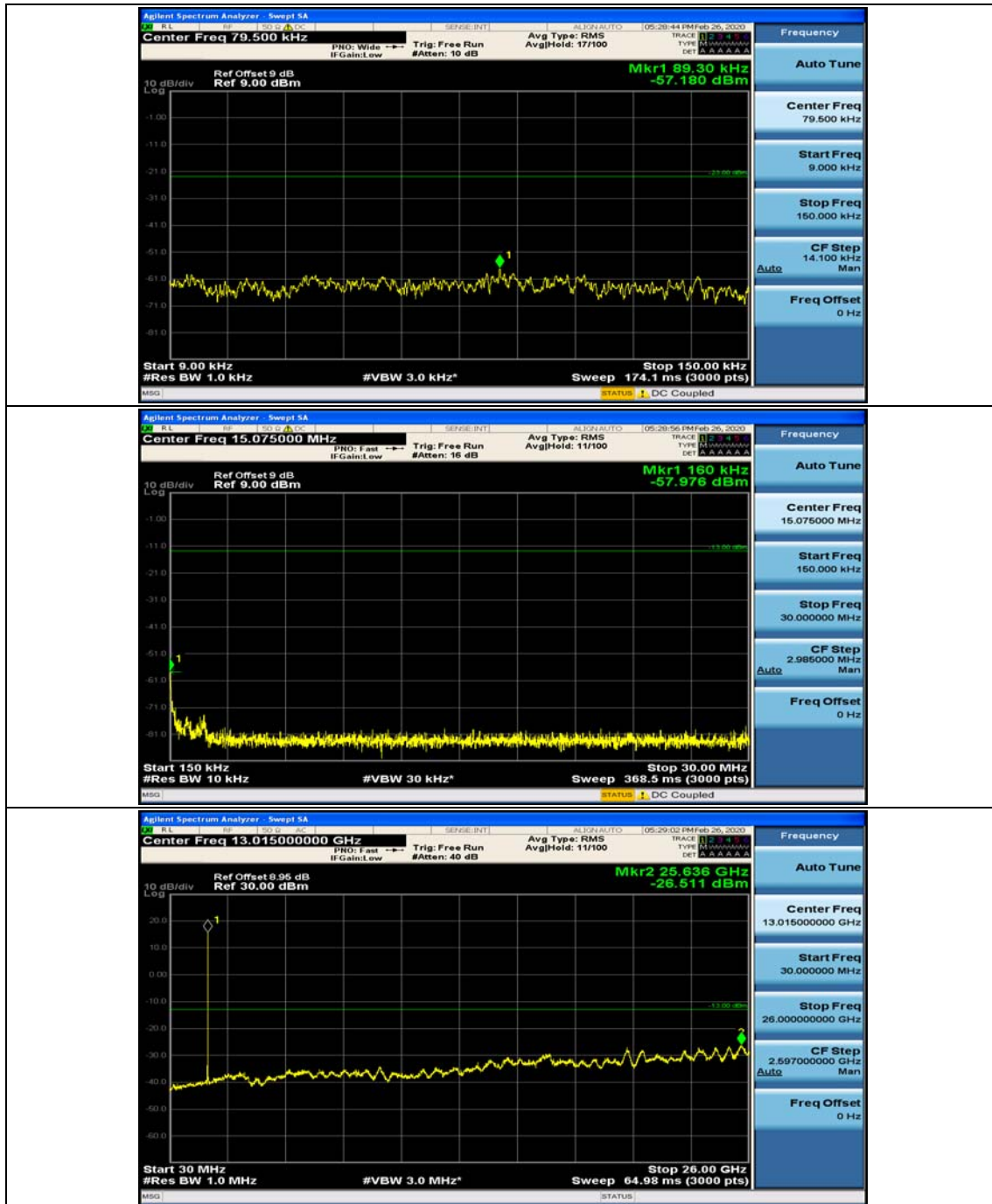


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

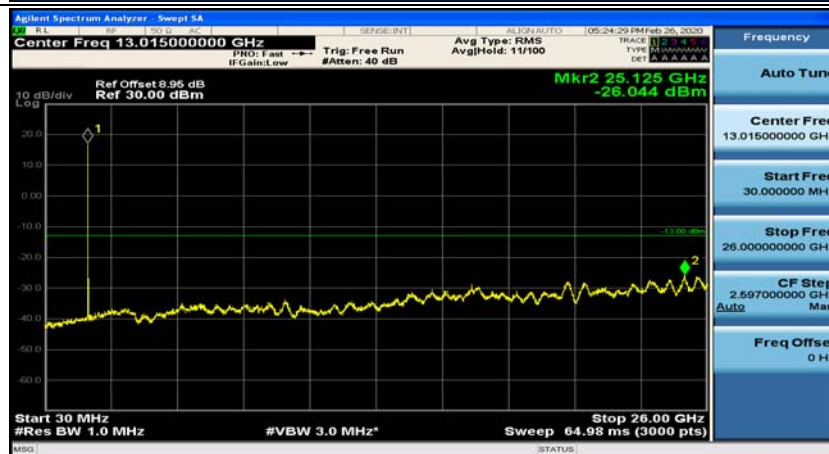
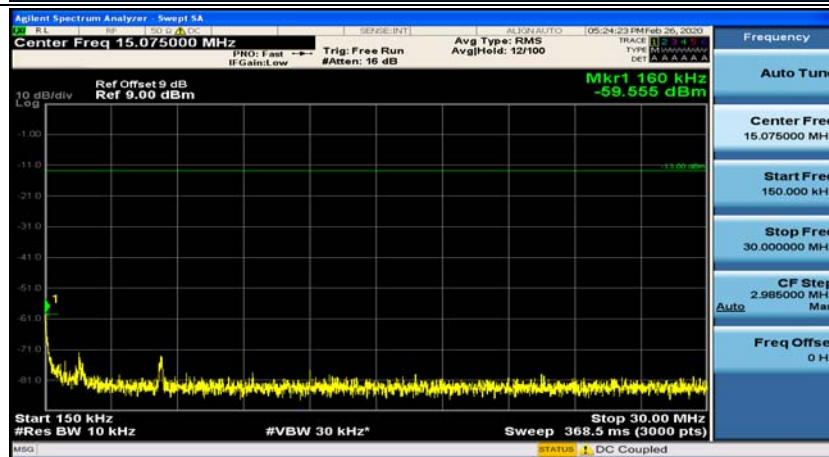
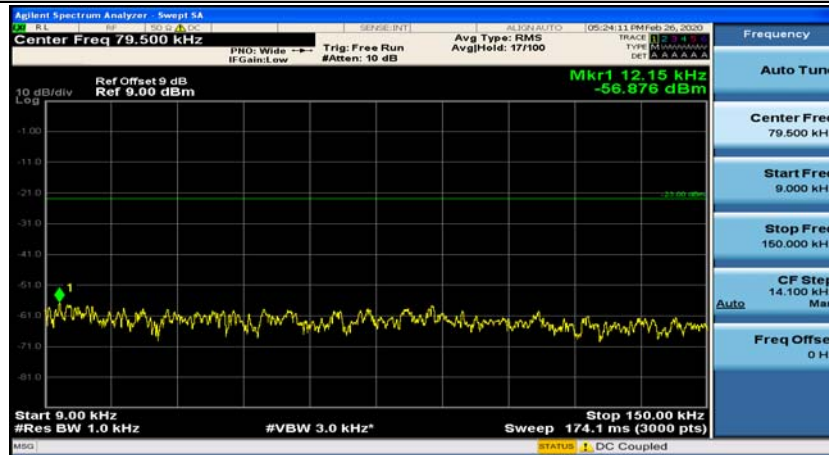


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

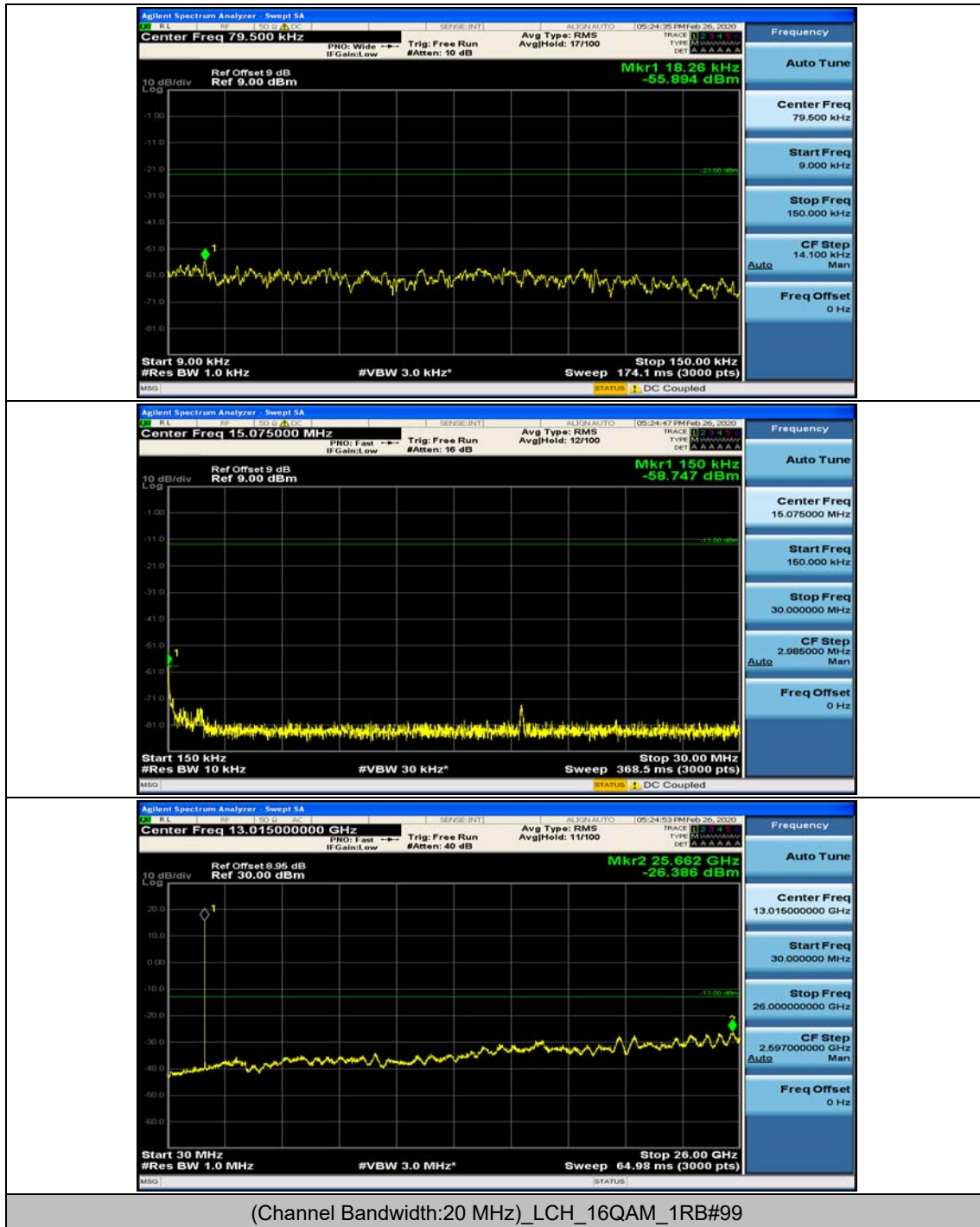


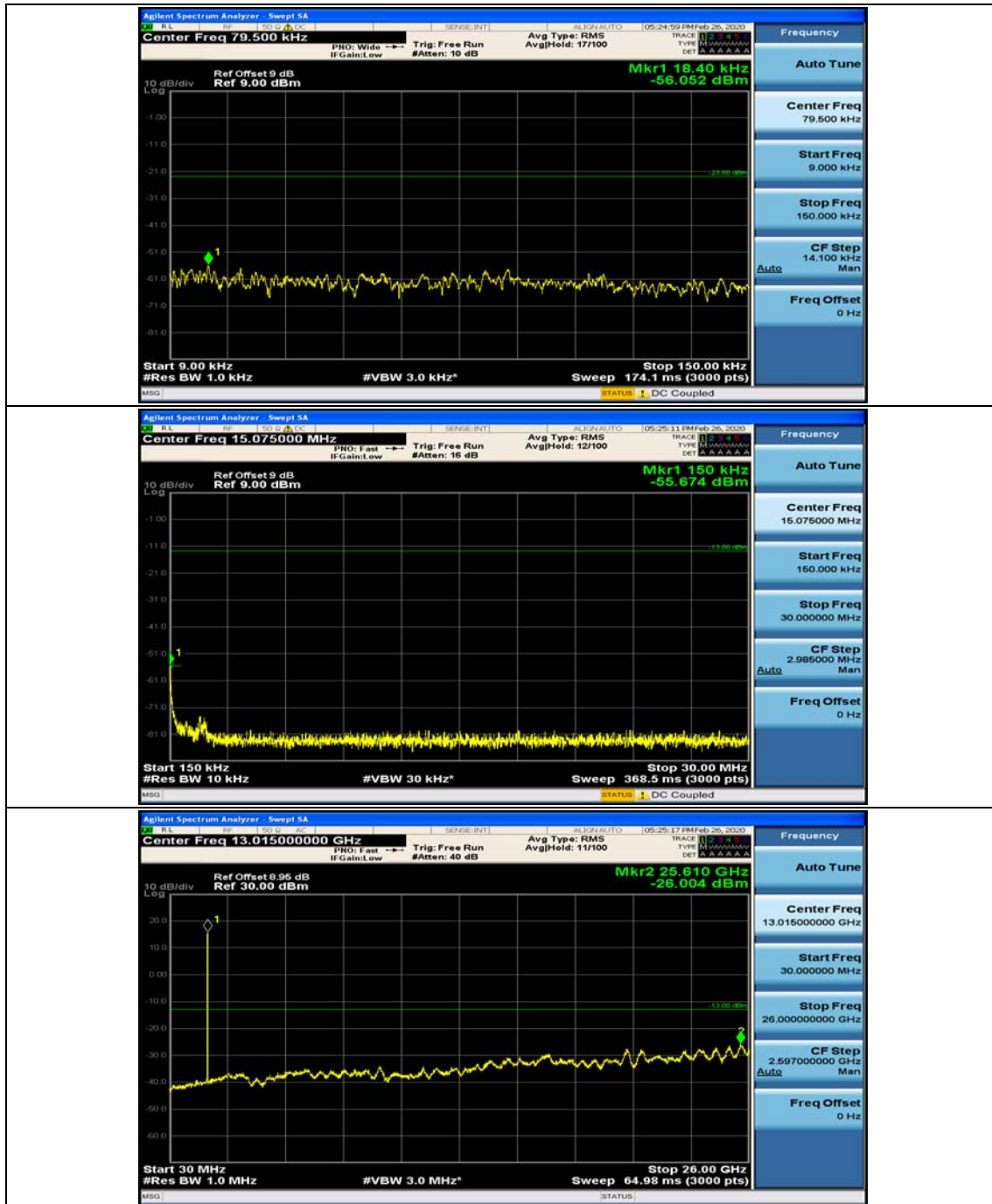


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

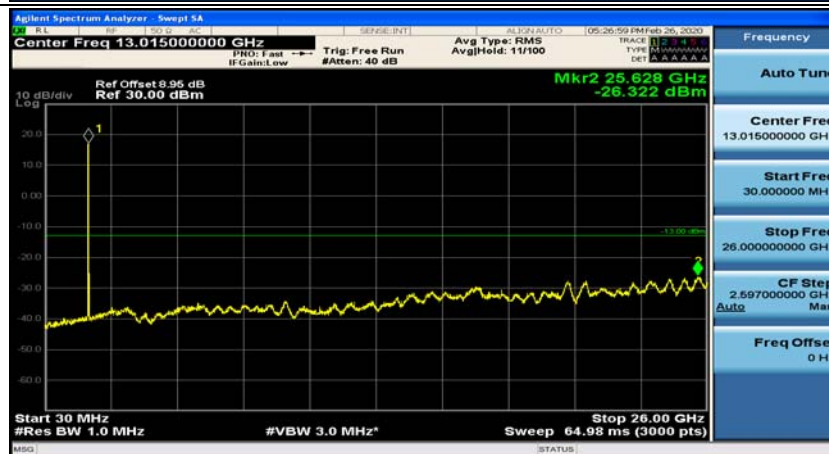
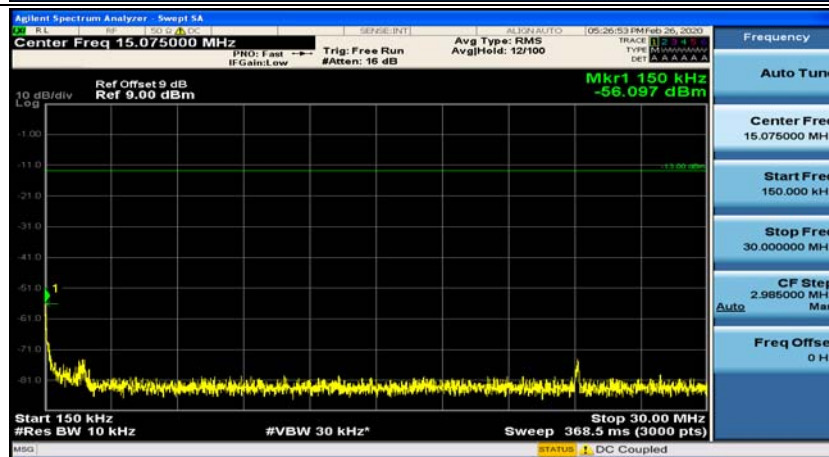
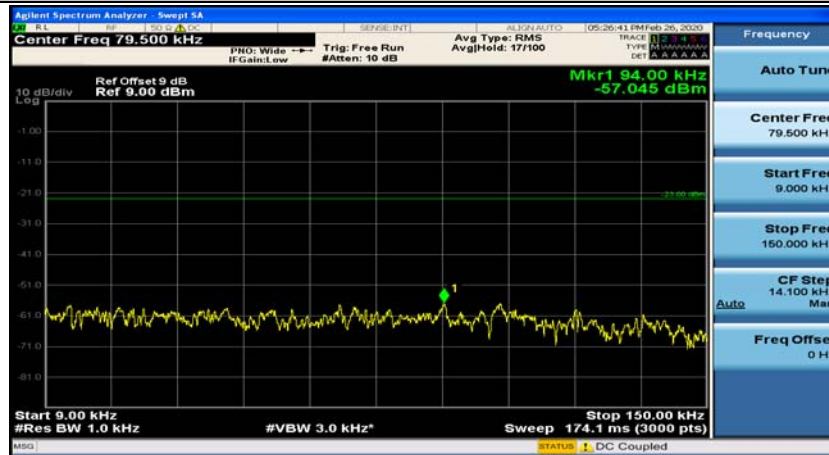


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

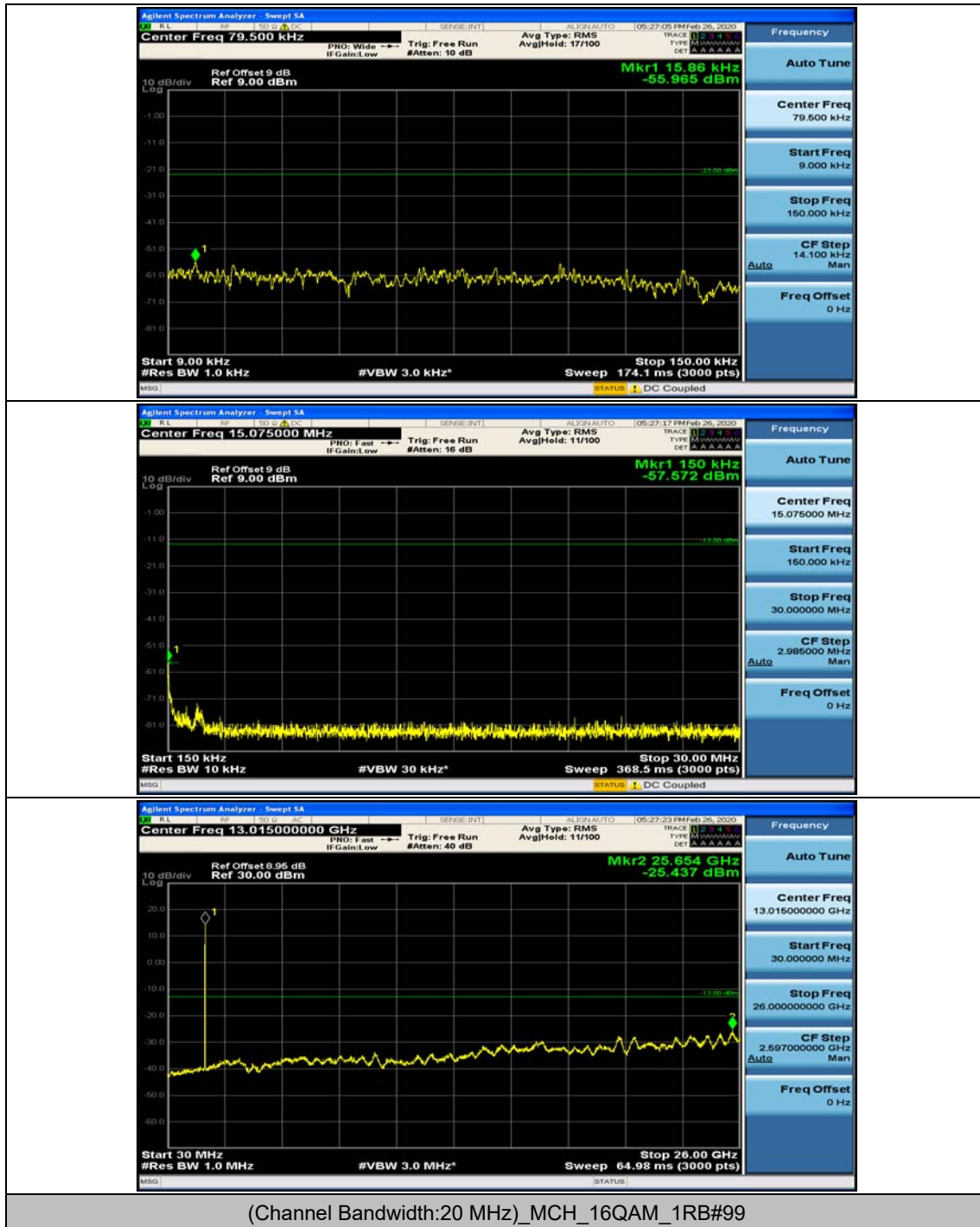


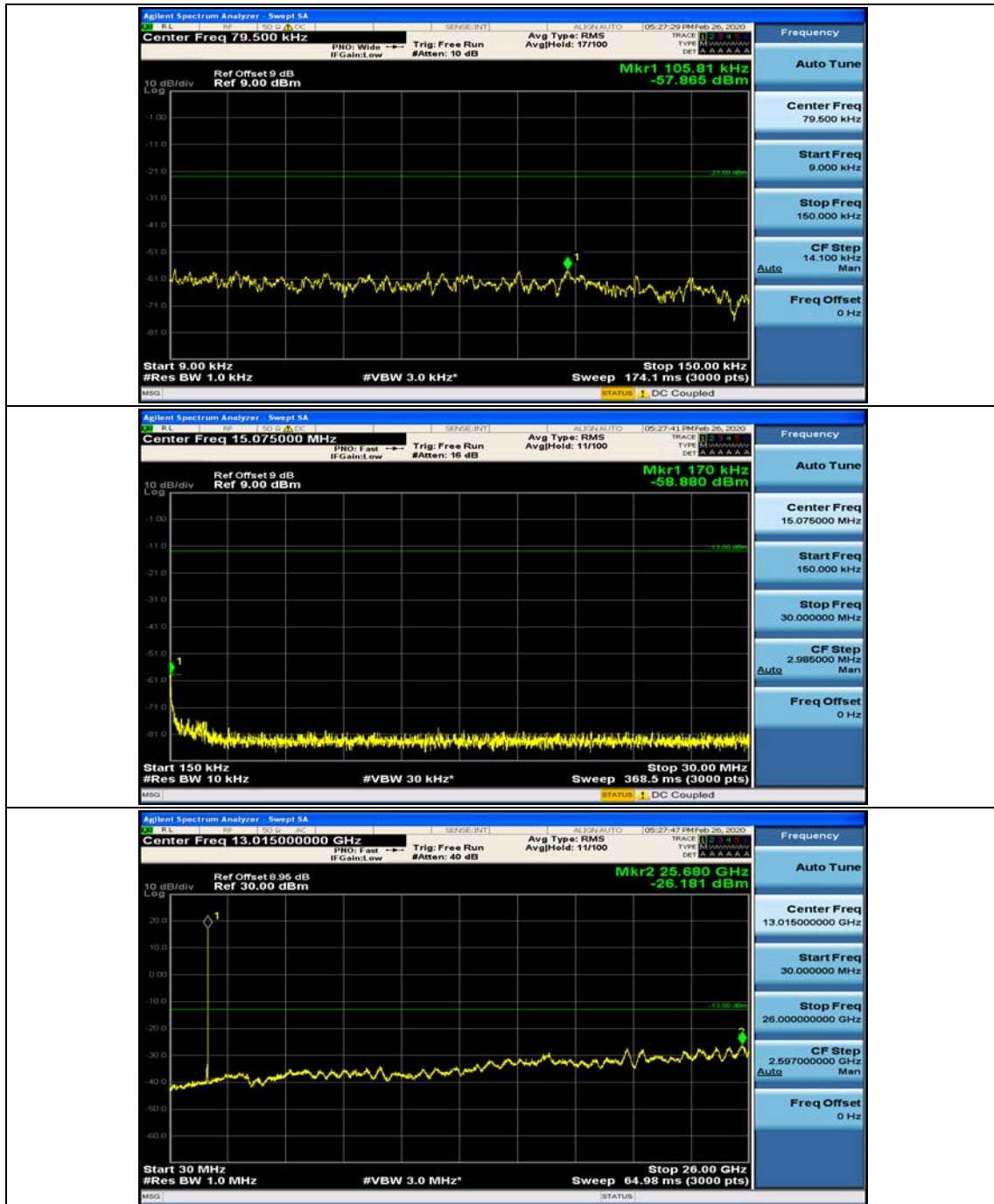


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

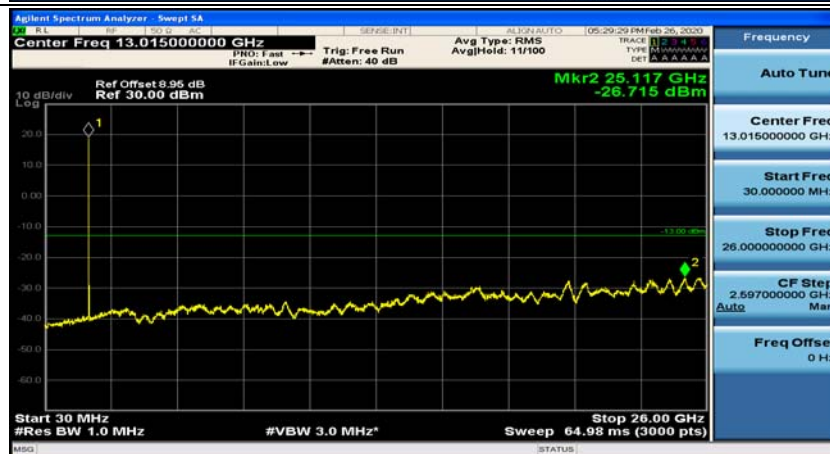
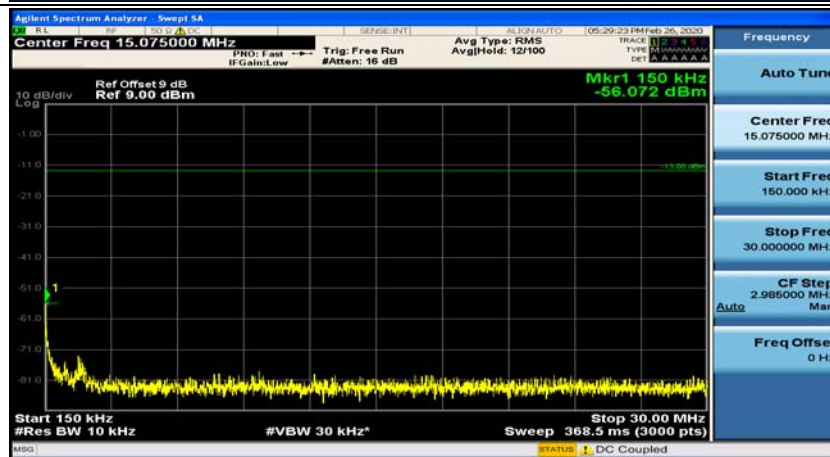
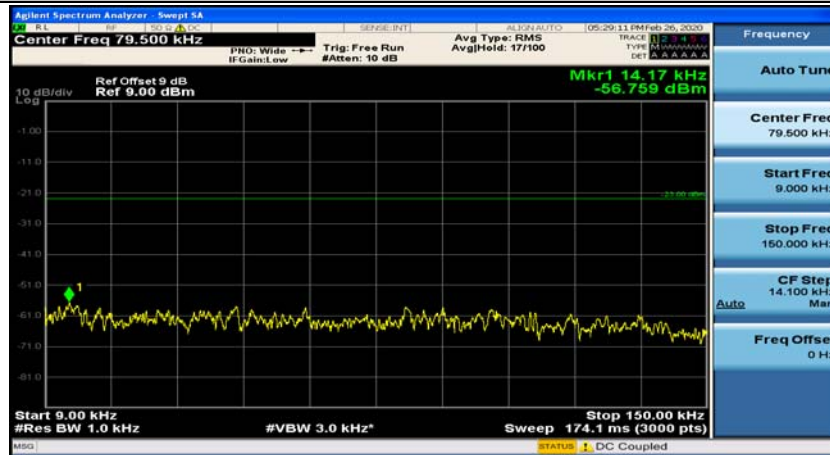


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

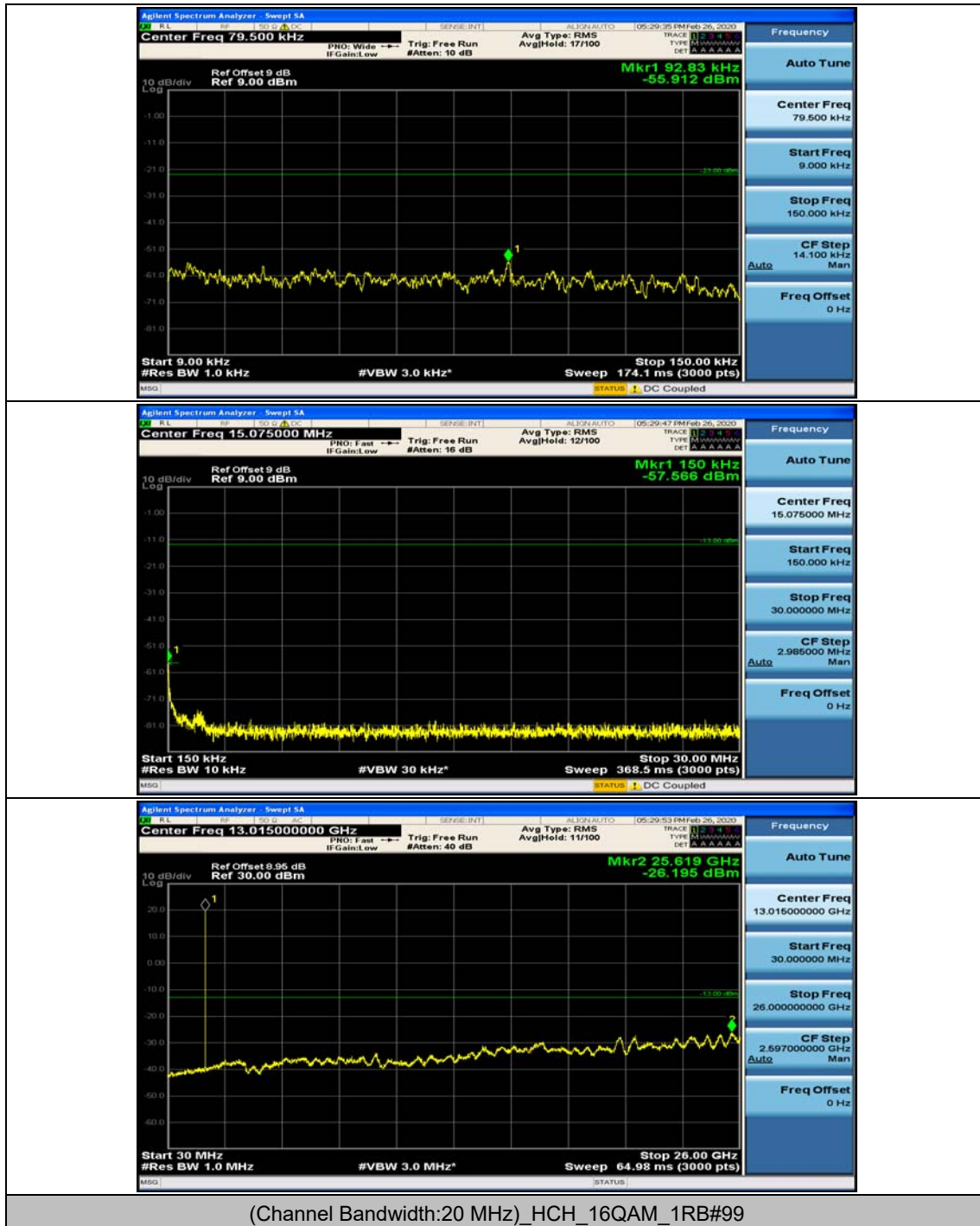


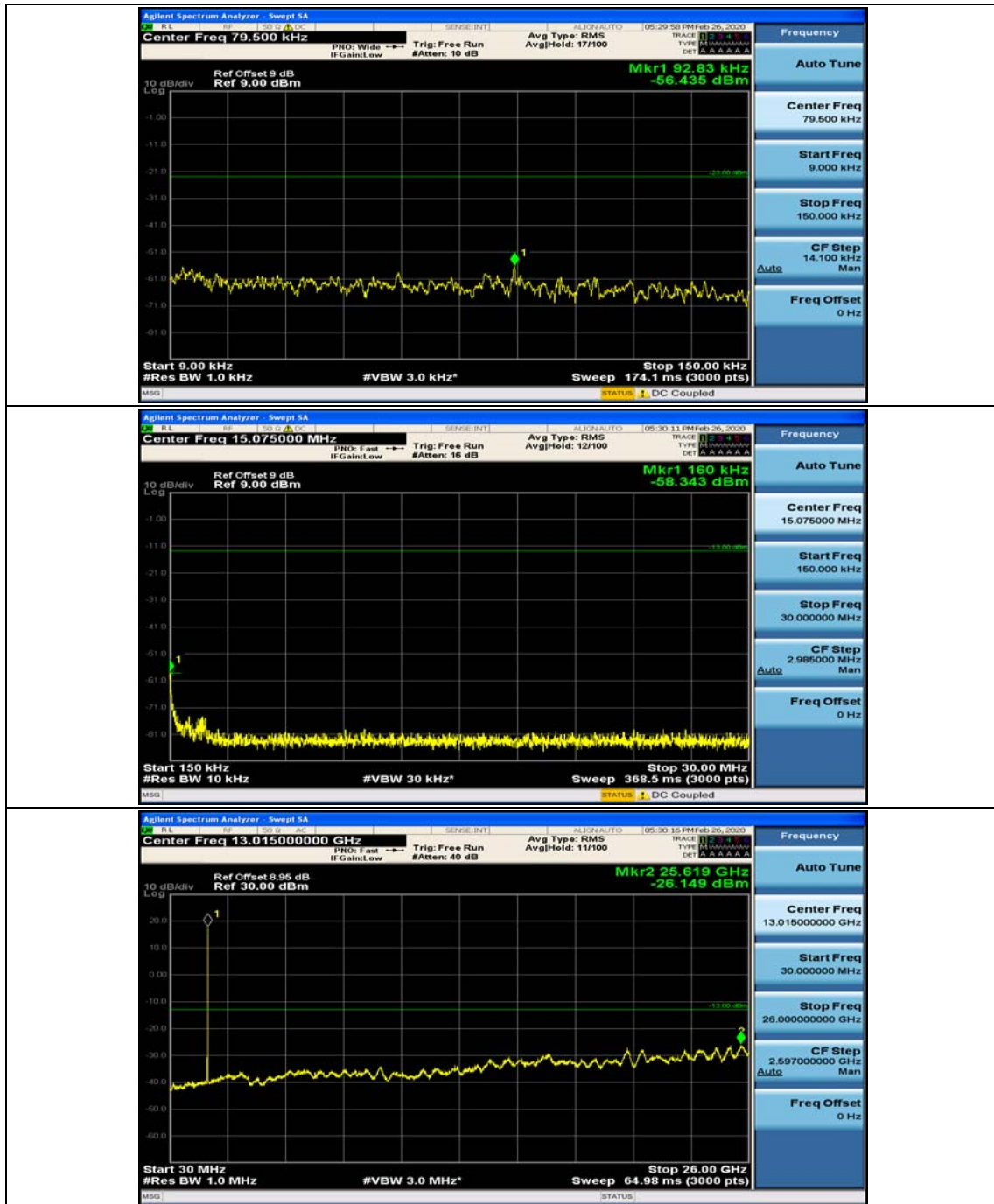


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	1.73	0.001011	± 2.5	PASS
		VN	TN	-1.92	-0.001122	± 2.5	PASS
		VH	TN	3.69	0.002157	± 2.5	PASS
	MCH	VL	TN	2.93	0.001691	± 2.5	PASS
		VN	TN	2.07	0.001195	± 2.5	PASS
		VH	TN	2.84	0.001639	± 2.5	PASS
	HCH	VL	TN	-1.72	-0.000980	± 2.5	PASS
		VN	TN	0.77	0.000439	± 2.5	PASS
		VH	TN	-0.21	-0.000120	± 2.5	PASS
16QAM	LCH	VL	TN	4.76	0.002782	± 2.5	PASS
		VN	TN	3.98	0.002327	± 2.5	PASS
		VH	TN	1.89	0.001105	± 2.5	PASS
	MCH	VL	TN	4.03	0.002326	± 2.5	PASS
		VN	TN	3.18	0.001835	± 2.5	PASS
		VH	TN	-1.26	-0.000727	± 2.5	PASS
	HCH	VL	TN	0.04	0.000023	± 2.5	PASS
		VN	TN	2.58	0.001471	± 2.5	PASS
		VH	TN	-0.63	-0.000359	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.08	-0.000631	± 2.5	PASS
		VN	-20	3.15	0.001841	± 2.5	PASS
		VN	-10	4.56	0.002666	± 2.5	PASS
		VN	0	0.97	0.000567	± 2.5	PASS
		VN	10	4.86	0.002841	± 2.5	PASS
		VN	20	1.97	0.001152	± 2.5	PASS
		VN	30	1.49	0.000871	± 2.5	PASS
		VN	40	1.83	0.001070	± 2.5	PASS
	MCH	VN	50	0.2	0.000117	± 2.5	PASS
		VN	-30	-0.89	-0.000514	± 2.5	PASS
		VN	-20	-0.6	-0.000346	± 2.5	PASS

		VN	-10	4.18	0.002413	± 2.5	PASS
		VN	0	3.43	0.001980	± 2.5	PASS
		VN	10	-1.62	-0.000935	± 2.5	PASS
		VN	20	-0.57	-0.000329	± 2.5	PASS
		VN	30	-1.59	-0.000918	± 2.5	PASS
		VN	40	-1.21	-0.000698	± 2.5	PASS
		VN	50	3.02	0.001743	± 2.5	PASS
	HCH	VN	-30	4.99	0.002844	± 2.5	PASS
		VN	-20	3.34	0.001904	± 2.5	PASS
		VN	-10	-0.05	-0.000029	± 2.5	PASS
		VN	0	-0.5	-0.000285	± 2.5	PASS
		VN	10	0.72	0.000410	± 2.5	PASS
		VN	20	1.78	0.001015	± 2.5	PASS
		VN	30	2.32	0.001322	± 2.5	PASS
		VN	40	1.42	0.000809	± 2.5	PASS
		VN	50	3.19	0.001818	± 2.5	PASS
16QAM	LCH	VN	-30	-0.56	-0.000327	± 2.5	PASS
		VN	-20	1.22	0.000713	± 2.5	PASS
		VN	-10	4.85	0.002835	± 2.5	PASS
		VN	0	-1.87	-0.001093	± 2.5	PASS
		VN	10	-1.78	-0.001041	± 2.5	PASS
		VN	20	-0.69	-0.000403	± 2.5	PASS
		VN	30	3.35	0.001958	± 2.5	PASS
		VN	40	1.1	0.000643	± 2.5	PASS
		VN	50	3.2	0.001871	± 2.5	PASS
	MCH	VN	-30	-0.11	-0.000063	± 2.5	PASS
		VN	-20	-1.63	-0.000929	± 2.5	PASS
		VN	-10	0.33	0.000188	± 2.5	PASS
		VN	0	-1.4	-0.000798	± 2.5	PASS
		VN	10	-1.19	-0.000678	± 2.5	PASS
		VN	20	0.95	0.000542	± 2.5	PASS
		VN	30	-0.62	-0.000353	± 2.5	PASS
		VN	40	-1.63	-0.000929	± 2.5	PASS
		VN	50	0.35	0.000200	± 2.5	PASS
	HCH	VN	-30	3.49	0.001989	± 2.5	PASS
		VN	-20	0.97	0.000553	± 2.5	PASS
		VN	-10	-1.56	-0.000889	± 2.5	PASS
		VN	0	4.39	0.002502	± 2.5	PASS
		VN	10	4.43	0.002525	± 2.5	PASS
		VN	20	3.95	0.002252	± 2.5	PASS
		VN	30	0.81	0.000462	± 2.5	PASS

		VN	40	2.26	0.001288	± 2.5	PASS
		VN	50	-1.48	-0.000844	± 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	-1.39	-0.000812	± 2.5	PASS
		VN	TN	4.71	0.002752	± 2.5	PASS
		VH	TN	2.94	0.001718	± 2.5	PASS
	MCH	VL	TN	0.18	0.000104	± 2.5	PASS
		VN	TN	0.72	0.000416	± 2.5	PASS
		VH	TN	2.37	0.001368	± 2.5	PASS
	HCH	VL	TN	1.29	0.000736	± 2.5	PASS
		VN	TN	-0.77	-0.000439	± 2.5	PASS
		VH	TN	3.09	0.001762	± 2.5	PASS
16QAM	LCH	VL	TN	1.06	0.000619	± 2.5	PASS
		VN	TN	-1.32	-0.000771	± 2.5	PASS
		VH	TN	-0.81	-0.000473	± 2.5	PASS
	MCH	VL	TN	1.5	0.000866	± 2.5	PASS
		VN	TN	2.87	0.001657	± 2.5	PASS
		VH	TN	2.89	0.001668	± 2.5	PASS
	HCH	VL	TN	-1.36	-0.000776	± 2.5	PASS
		VN	TN	0.92	0.000525	± 2.5	PASS
		VH	TN	4.07	0.002321	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.79	0.000462	± 2.5	PASS
		VN	-20	3.64	0.002127	± 2.5	PASS
		VN	-10	4.96	0.002898	± 2.5	PASS
		VN	0	0.71	0.000415	± 2.5	PASS
		VN	10	1.89	0.001104	± 2.5	PASS
		VN	20	0.67	0.000391	± 2.5	PASS
		VN	30	3.65	0.002133	± 2.5	PASS
		VN	40	2.05	0.001198	± 2.5	PASS
		VN	50	0.4	0.000234	± 2.5	PASS
	MCH	VN	-30	3.18	0.001835	± 2.5	PASS
		VN	-20	2.12	0.001224	± 2.5	PASS
		VN	-10	-0.02	-0.000012	± 2.5	PASS

		VN	0	2.31	0.001333	± 2.5	PASS
		VN	10	1.84	0.001062	± 2.5	PASS
		VN	20	-0.59	-0.000341	± 2.5	PASS
		VN	30	4.96	0.002863	± 2.5	PASS
		VN	40	2.96	0.001709	± 2.5	PASS
		VN	50	2.56	0.001478	± 2.5	PASS
	HCH	VN	-30	2.2	0.001255	± 2.5	PASS
		VN	-20	2.87	0.001637	± 2.5	PASS
		VN	-10	1.28	0.000730	± 2.5	PASS
		VN	0	0.27	0.000154	± 2.5	PASS
		VN	10	1.47	0.000838	± 2.5	PASS
		VN	20	0.52	0.000297	± 2.5	PASS
		VN	30	3.38	0.001928	± 2.5	PASS
		VN	40	0.72	0.000411	± 2.5	PASS
		VN	50	2.94	0.001677	± 2.5	PASS
16QAM	LCH	VN	-30	1.01	0.000583	± 2.5	PASS
		VN	-20	0.01	0.000006	± 2.5	PASS
		VN	-10	-0.83	-0.000479	± 2.5	PASS
		VN	0	0.75	0.000433	± 2.5	PASS
		VN	10	4.18	0.002413	± 2.5	PASS
		VN	20	1.13	0.000652	± 2.5	PASS
		VN	30	2.43	0.001403	± 2.5	PASS
		VN	40	0.24	0.000139	± 2.5	PASS
		VN	50	0.3	0.000173	± 2.5	PASS
	MCH	VN	-30	2.15	0.001226	± 2.5	PASS
		VN	-20	1.27	0.000724	± 2.5	PASS
		VN	-10	-1.78	-0.001015	± 2.5	PASS
		VN	0	4.93	0.002812	± 2.5	PASS
		VN	10	-0.79	-0.000451	± 2.5	PASS
		VN	20	3.82	0.002179	± 2.5	PASS
		VN	30	-0.53	-0.000302	± 2.5	PASS
		VN	40	-1.13	-0.000644	± 2.5	PASS
		VN	50	-0.22	-0.000125	± 2.5	PASS
	HCH	VN	-30	2.82	0.001608	± 2.5	PASS
		VN	-20	3.85	0.002196	± 2.5	PASS
		VN	-10	-1.89	-0.001078	± 2.5	PASS
		VN	0	-0.85	-0.000485	± 2.5	PASS
		VN	10	3.04	0.001734	± 2.5	PASS
		VN	20	2.97	0.001694	± 2.5	PASS
		VN	30	2.77	0.001580	± 2.5	PASS
		VN	40	0.62	0.000354	± 2.5	PASS



		VN	50	2.02	0.001152	± 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	3.77	0.002201	± 2.5	PASS
		VN	TN	1.36	0.000794	± 2.5	PASS
		VH	TN	-1.3	-0.000759	± 2.5	PASS
	MCH	VL	TN	0.78	0.000450	± 2.5	PASS
		VN	TN	4.47	0.002580	± 2.5	PASS
		VH	TN	4.41	0.002545	± 2.5	PASS
	HCH	VL	TN	3.25	0.001854	± 2.5	PASS
		VN	TN	1.01	0.000576	± 2.5	PASS
		VH	TN	-0.57	-0.000325	± 2.5	PASS
16QAM	LCH	VL	TN	-1.35	-0.000788	± 2.5	PASS
		VN	TN	-0.47	-0.000274	± 2.5	PASS
		VH	TN	2.1	0.001226	± 2.5	PASS
	MCH	VL	TN	0.75	0.000433	± 2.5	PASS
		VN	TN	1.38	0.000797	± 2.5	PASS
		VH	TN	-0.8	-0.000462	± 2.5	PASS
	HCH	VL	TN	-0.49	-0.000280	± 2.5	PASS
		VN	TN	0.76	0.000434	± 2.5	PASS
		VH	TN	1.49	0.000850	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.27	0.001909	± 2.5	PASS
		VN	-20	0.05	0.000029	± 2.5	PASS
		VN	-10	1.1	0.000642	± 2.5	PASS
		VN	0	-0.79	-0.000461	± 2.5	PASS
		VN	10	3.43	0.002003	± 2.5	PASS
		VN	20	3.5	0.002044	± 2.5	PASS
		VN	30	-1.52	-0.000888	± 2.5	PASS
		VN	40	3.67	0.002143	± 2.5	PASS
		VN	50	1.58	0.000923	± 2.5	PASS
	MCH	VN	-30	0.54	0.000312	± 2.5	PASS
		VN	-20	2.57	0.001483	± 2.5	PASS
		VN	-10	0.14	0.000081	± 2.5	PASS
		VN	0	0.14	0.000081	± 2.5	PASS



		VN	10	3.2	0.001847	± 2.5	PASS
		VN	20	3.31	0.001911	± 2.5	PASS
		VN	30	-0.92	-0.000531	± 2.5	PASS
		VN	40	3.52	0.002032	± 2.5	PASS
		VN	50	3.55	0.002049	± 2.5	PASS
	HCH	VN	-30	-1.85	-0.001056	± 2.5	PASS
		VN	-20	-1.15	-0.000603	± 2.5	PASS
		VN	-10	2.99	0.001567	± 2.5	PASS
		VN	0	0.55	0.000288	± 2.5	PASS
		VN	10	0.76	0.000398	± 2.5	PASS
		VN	20	3.71	0.001945	± 2.5	PASS
		VN	30	-1.47	-0.000771	± 2.5	PASS
		VN	40	1.01	0.000529	± 2.5	PASS
		VN	50	-1.48	-0.000776	± 2.5	PASS
16QAM	LCH	VN	-30	1.63	0.000941	± 2.5	PASS
		VN	-20	0.4	0.000231	± 2.5	PASS
		VN	-10	2.59	0.001495	± 2.5	PASS
		VN	0	2.7	0.001558	± 2.5	PASS
		VN	10	2.85	0.001645	± 2.5	PASS
		VN	20	2.73	0.001576	± 2.5	PASS
		VN	30	4.23	0.002442	± 2.5	PASS
		VN	40	3.13	0.001807	± 2.5	PASS
		VN	50	0.56	0.000323	± 2.5	PASS
	MCH	VN	-30	-0.41	-0.000234	± 2.5	PASS
		VN	-20	2.25	0.001284	± 2.5	PASS
		VN	-10	0.37	0.000211	± 2.5	PASS
		VN	0	1.8	0.001027	± 2.5	PASS
		VN	10	1.41	0.000805	± 2.5	PASS
		VN	20	-1.33	-0.000759	± 2.5	PASS
		VN	30	-0.01	-0.000006	± 2.5	PASS
		VN	40	3.44	0.001963	± 2.5	PASS
		VN	50	0.07	0.000040	± 2.5	PASS
	HCH	VN	-30	2.78	0.001457	± 2.5	PASS
		VN	-20	4.91	0.002574	± 2.5	PASS
		VN	-10	0.98	0.000514	± 2.5	PASS
		VN	0	0.92	0.000482	± 2.5	PASS
		VN	10	-1	-0.000524	± 2.5	PASS
		VN	20	1.76	0.000923	± 2.5	PASS
		VN	30	4.42	0.002317	± 2.5	PASS
		VN	40	4.46	0.002338	± 2.5	PASS
		VN	50	1.73	0.000907	± 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	4.18	0.002437	± 2.5	PASS
		VN	TN	3.52	0.002052	± 2.5	PASS
		VH	TN	2.21	0.001289	± 2.5	PASS
	MCH	VL	TN	4.05	0.002338	± 2.5	PASS
		VN	TN	0.93	0.000537	± 2.5	PASS
		VH	TN	2.92	0.001685	± 2.5	PASS
	HCH	VL	TN	-0.99	-0.000566	± 2.5	PASS
		VN	TN	-0.37	-0.000211	± 2.5	PASS
		VH	TN	-0.75	-0.000429	± 2.5	PASS
16QAM	LCH	VL	TN	1.16	0.000676	± 2.5	PASS
		VN	TN	1.14	0.000665	± 2.5	PASS
		VH	TN	2.62	0.001528	± 2.5	PASS
	MCH	VL	TN	0.72	0.000416	± 2.5	PASS
		VN	TN	1.73	0.000999	± 2.5	PASS
		VH	TN	3.14	0.001812	± 2.5	PASS
	HCH	VL	TN	4.61	0.002634	± 2.5	PASS
		VN	TN	-0.03	-0.000017	± 2.5	PASS
		VH	TN	2.87	0.001640	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.91	-0.000531	± 2.5	PASS
		VN	-20	-0.13	-0.000076	± 2.5	PASS
		VN	-10	0.29	0.000169	± 2.5	PASS
		VN	0	-1.94	-0.001131	± 2.5	PASS
		VN	10	4.32	0.002519	± 2.5	PASS
		VN	20	2.35	0.001370	± 2.5	PASS
		VN	30	1.72	0.001003	± 2.5	PASS
		VN	40	3.43	0.002000	± 2.5	PASS
		VN	50	2.21	0.001289	± 2.5	PASS
	MCH	VN	-30	2.61	0.001506	± 2.5	PASS
		VN	-20	4.47	0.002580	± 2.5	PASS
		VN	-10	2.69	0.001553	± 2.5	PASS
		VN	0	2.62	0.001512	± 2.5	PASS
		VN	10	1.81	0.001045	± 2.5	PASS
		VN	20	4.53	0.002615	± 2.5	PASS

		VN	30	3.67	0.002118	± 2.5	PASS
		VN	40	0.97	0.000560	± 2.5	PASS
		VN	50	1.13	0.000652	± 2.5	PASS
	HCH	VN	-30	2.51	0.001434	± 2.5	PASS
		VN	-20	4.91	0.002806	± 2.5	PASS
		VN	-10	-0.26	-0.000149	± 2.5	PASS
		VN	0	0.27	0.000154	± 2.5	PASS
		VN	10	0.83	0.000474	± 2.5	PASS
		VN	20	-0.01	-0.000006	± 2.5	PASS
		VN	30	1	0.000571	± 2.5	PASS
		VN	40	4.93	0.002817	± 2.5	PASS
		VN	50	4.7	0.002686	± 2.5	PASS
16QAM	LCH	VN	-30	-1.61	-0.000929	± 2.5	PASS
		VN	-20	-0.21	-0.000121	± 2.5	PASS
		VN	-10	3.55	0.002049	± 2.5	PASS
		VN	0	-0.33	-0.000190	± 2.5	PASS
		VN	10	-1.44	-0.000831	± 2.5	PASS
		VN	20	3.16	0.001824	± 2.5	PASS
		VN	30	2.15	0.001241	± 2.5	PASS
		VN	40	1.01	0.000583	± 2.5	PASS
		VN	50	2.04	0.001177	± 2.5	PASS
	MCH	VN	-30	4.31	0.002463	± 2.5	PASS
		VN	-20	4.38	0.002503	± 2.5	PASS
		VN	-10	-0.27	-0.000154	± 2.5	PASS
		VN	0	-1.22	-0.000697	± 2.5	PASS
		VN	10	1.85	0.001057	± 2.5	PASS
		VN	20	1.83	0.001046	± 2.5	PASS
		VN	30	2.95	0.001686	± 2.5	PASS
		VN	40	-0.25	-0.000143	± 2.5	PASS
		VN	50	2.01	0.001149	± 2.5	PASS
	HCH	VN	-30	0.95	0.000543	± 2.5	PASS
		VN	-20	-0.29	-0.000166	± 2.5	PASS
		VN	-10	3.53	0.002017	± 2.5	PASS
		VN	0	0.12	0.000069	± 2.5	PASS
		VN	10	1.73	0.000989	± 2.5	PASS
		VN	20	2.02	0.001154	± 2.5	PASS
		VN	30	0.87	0.000497	± 2.5	PASS
		VN	40	2.33	0.001331	± 2.5	PASS
		VN	50	-1.35	-0.000771	± 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	2.67	0.001555	± 2.5	PASS
		VN	TN	0.76	0.000443	± 2.5	PASS
		VH	TN	2.53	0.001473	± 2.5	PASS
	MCH	VL	TN	4.14	0.002390	± 2.5	PASS
		VN	TN	3.79	0.002188	± 2.5	PASS
		VH	TN	1.19	0.000687	± 2.5	PASS
	HCH	VL	TN	0.46	0.000263	± 2.5	PASS
		VN	TN	1.86	0.001064	± 2.5	PASS
		VH	TN	1.91	0.001093	± 2.5	PASS
16QAM	LCH	VL	TN	1.44	0.000838	± 2.5	PASS
		VN	TN	0.55	0.000320	± 2.5	PASS
		VH	TN	4.71	0.002742	± 2.5	PASS
	MCH	VL	TN	-0.97	-0.000560	± 2.5	PASS
		VN	TN	-0.69	-0.000398	± 2.5	PASS
		VH	TN	4.52	0.002609	± 2.5	PASS
	HCH	VL	TN	3.44	0.001969	± 2.5	PASS
		VN	TN	4.76	0.002724	± 2.5	PASS
		VH	TN	1.59	0.000910	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.55	0.002067	± 2.5	PASS
		VN	-20	-1.27	-0.000739	± 2.5	PASS
		VN	-10	4.48	0.002608	± 2.5	PASS
		VN	0	2.23	0.001298	± 2.5	PASS
		VN	10	1.15	0.000670	± 2.5	PASS
		VN	20	3.07	0.001787	± 2.5	PASS
		VN	30	4.39	0.002556	± 2.5	PASS
		VN	40	3.54	0.002061	± 2.5	PASS
		VN	50	4.02	0.002341	± 2.5	PASS
	MCH	VN	-30	2.17	0.001253	± 2.5	PASS
		VN	-20	3.83	0.002211	± 2.5	PASS
		VN	-10	1.74	0.001004	± 2.5	PASS
		VN	0	-0.96	-0.000554	± 2.5	PASS
		VN	10	2.15	0.001241	± 2.5	PASS
		VN	20	-1.49	-0.000860	± 2.5	PASS

		VN	30	0.94	0.000543	± 2.5	PASS
		VN	40	3.89	0.002245	± 2.5	PASS
		VN	50	1.27	0.000733	± 2.5	PASS
	HCH	VN	-30	1.87	0.001070	± 2.5	PASS
		VN	-20	1.33	0.000761	± 2.5	PASS
		VN	-10	-1.01	-0.000578	± 2.5	PASS
		VN	0	4.3	0.002461	± 2.5	PASS
		VN	10	0.79	0.000452	± 2.5	PASS
		VN	20	4.34	0.002484	± 2.5	PASS
		VN	30	-1.53	-0.000876	± 2.5	PASS
		VN	40	4.75	0.002718	± 2.5	PASS
		VN	50	3.14	0.001797	± 2.5	PASS
16QAM	LCH	VN	-30	-0.15	-0.000087	± 2.5	PASS
		VN	-20	1.98	0.001143	± 2.5	PASS
		VN	-10	4.97	0.002869	± 2.5	PASS
		VN	0	3.15	0.001818	± 2.5	PASS
		VN	10	-0.18	-0.000104	± 2.5	PASS
		VN	20	-0.32	-0.000185	± 2.5	PASS
		VN	30	2.49	0.001437	± 2.5	PASS
		VN	40	3.25	0.001876	± 2.5	PASS
		VN	50	-1.55	-0.000895	± 2.5	PASS
	MCH	VN	-30	3.43	0.001963	± 2.5	PASS
		VN	-20	0.15	0.000086	± 2.5	PASS
		VN	-10	-1.71	-0.000979	± 2.5	PASS
		VN	0	0.98	0.000561	± 2.5	PASS
		VN	10	1.43	0.000818	± 2.5	PASS
		VN	20	-1.54	-0.000881	± 2.5	PASS
		VN	30	-0.86	-0.000492	± 2.5	PASS
		VN	40	3.21	0.001837	± 2.5	PASS
		VN	50	-0.08	-0.000046	± 2.5	PASS
	HCH	VN	-30	2.54	0.001454	± 2.5	PASS
		VN	-20	3.22	0.001843	± 2.5	PASS
		VN	-10	0.23	0.000132	± 2.5	PASS
		VN	0	4.06	0.002323	± 2.5	PASS
		VN	10	1.91	0.001093	± 2.5	PASS
		VN	20	-0.03	-0.000017	± 2.5	PASS
		VN	30	0.87	0.000498	± 2.5	PASS
		VN	40	4.16	0.002381	± 2.5	PASS
		VN	50	4.34	0.002484	± 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	2.55	0.001483	± 2.5	PASS
		VN	TN	1.54	0.000895	± 2.5	PASS
		VH	TN	-1.29	-0.000750	± 2.5	PASS
	MCH	VL	TN	0.35	0.000202	± 2.5	PASS
		VN	TN	3.76	0.002170	± 2.5	PASS
		VH	TN	3.81	0.002199	± 2.5	PASS
	HCH	VL	TN	-1.6	-0.000917	± 2.5	PASS
		VN	TN	2.21	0.001266	± 2.5	PASS
		VH	TN	4.33	0.002481	± 2.5	PASS
16QAM	LCH	VL	TN	4.24	0.002465	± 2.5	PASS
		VN	TN	-1.67	-0.000971	± 2.5	PASS
		VH	TN	1.89	0.001099	± 2.5	PASS
	MCH	VL	TN	-0.31	-0.000179	± 2.5	PASS
		VN	TN	-0.27	-0.000156	± 2.5	PASS
		VH	TN	1.85	0.001068	± 2.5	PASS
	HCH	VL	TN	4.22	0.002418	± 2.5	PASS
		VN	TN	2.04	0.001169	± 2.5	PASS
		VH	TN	1.77	0.001014	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.19	-0.000110	± 2.5	PASS
		VN	-20	1.56	0.000907	± 2.5	PASS
		VN	-10	3.61	0.002099	± 2.5	PASS
		VN	0	1.71	0.000994	± 2.5	PASS
		VN	10	4.52	0.002628	± 2.5	PASS
		VN	20	-0.09	-0.000052	± 2.5	PASS
		VN	30	-0.03	-0.000017	± 2.5	PASS
		VN	40	4.55	0.002645	± 2.5	PASS
		VN	50	1.48	0.000860	± 2.5	PASS
	MCH	VN	-30	2.72	0.001570	± 2.5	PASS
		VN	-20	-1.14	-0.000658	± 2.5	PASS
		VN	-10	-0.66	-0.000381	± 2.5	PASS
		VN	0	2.92	0.001685	± 2.5	PASS
		VN	10	0.58	0.000335	± 2.5	PASS
		VN	20	-1.82	-0.001051	± 2.5	PASS

		VN	30	-1.42	-0.000820	± 2.5	PASS
		VN	40	1.14	0.000658	± 2.5	PASS
		VN	50	3.54	0.002043	± 2.5	PASS
	HCH	VN	-30	-0.49	-0.000281	± 2.5	PASS
		VN	-20	4.33	0.002481	± 2.5	PASS
		VN	-10	3.27	0.001874	± 2.5	PASS
		VN	0	-1.24	-0.000711	± 2.5	PASS
		VN	10	4.9	0.002808	± 2.5	PASS
		VN	20	1.08	0.000619	± 2.5	PASS
		VN	30	-1.53	-0.000877	± 2.5	PASS
		VN	40	4.33	0.002481	± 2.5	PASS
		VN	50	1.57	0.000900	± 2.5	PASS
16QAM	LCH	VN	-30	1.47	0.000848	± 2.5	PASS
		VN	-20	2.54	0.001466	± 2.5	PASS
		VN	-10	2.57	0.001483	± 2.5	PASS
		VN	0	0.6	0.000346	± 2.5	PASS
		VN	10	2.88	0.001662	± 2.5	PASS
		VN	20	-1.01	-0.000583	± 2.5	PASS
		VN	30	3.28	0.001893	± 2.5	PASS
		VN	40	-1.6	-0.000924	± 2.5	PASS
		VN	50	4.6	0.002655	± 2.5	PASS
	MCH	VN	-30	1.07	0.000613	± 2.5	PASS
		VN	-20	1.4	0.000802	± 2.5	PASS
		VN	-10	2.8	0.001605	± 2.5	PASS
		VN	0	1.92	0.001100	± 2.5	PASS
		VN	10	1.23	0.000705	± 2.5	PASS
		VN	20	-1.06	-0.000607	± 2.5	PASS
		VN	30	2.1	0.001203	± 2.5	PASS
		VN	40	2.11	0.001209	± 2.5	PASS
		VN	50	2.96	0.001696	± 2.5	PASS
	HCH	VN	-30	1.19	0.000682	± 2.5	PASS
		VN	-20	0.99	0.000567	± 2.5	PASS
		VN	-10	4.05	0.002321	± 2.5	PASS
		VN	0	-0.37	-0.000212	± 2.5	PASS
		VN	10	1.45	0.000831	± 2.5	PASS
		VN	20	-0.98	-0.000562	± 2.5	PASS
		VN	30	1.81	0.001037	± 2.5	PASS
		VN	40	2.96	0.001696	± 2.5	PASS
		VN	50	3.96	0.002269	± 2.5	PASS