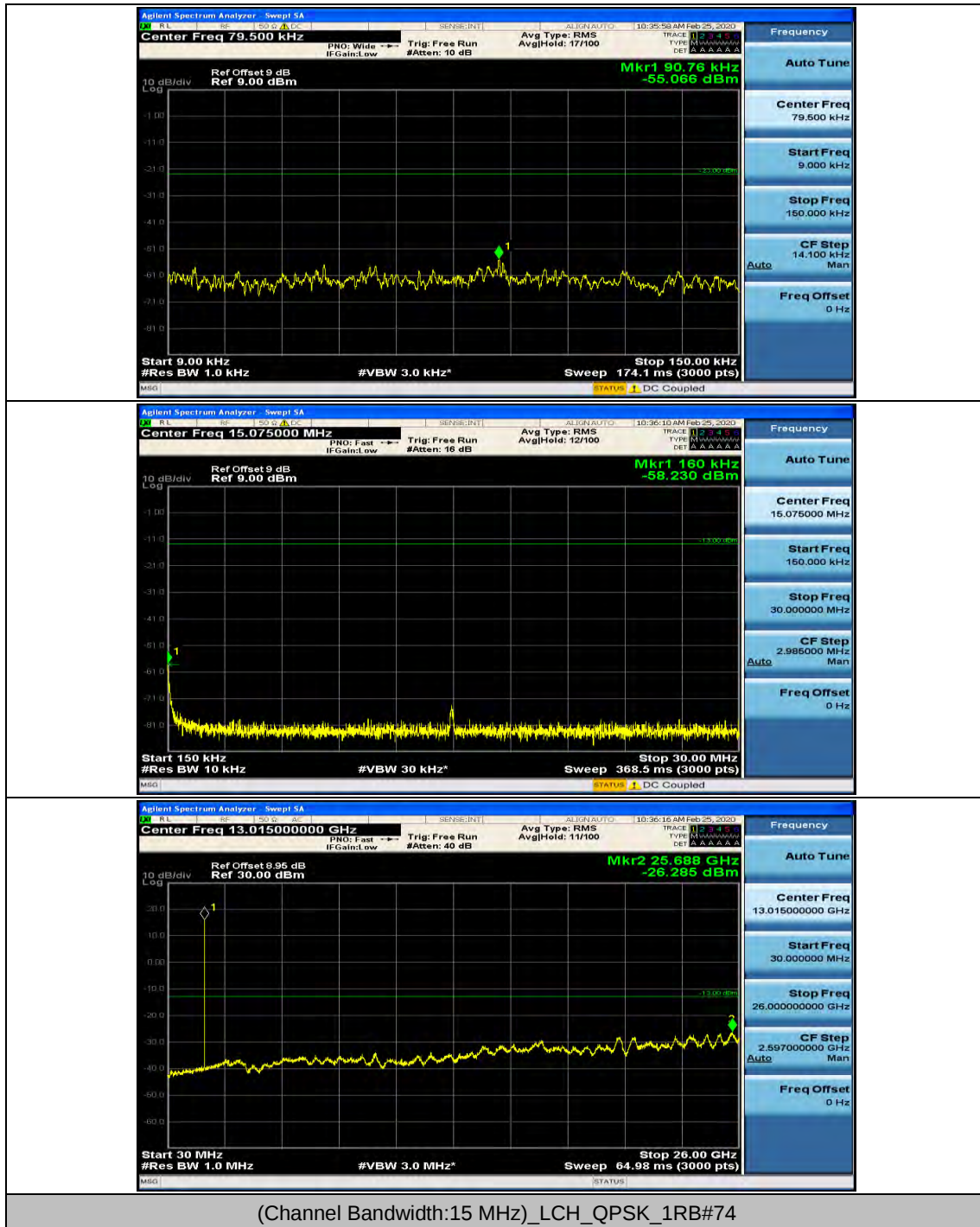
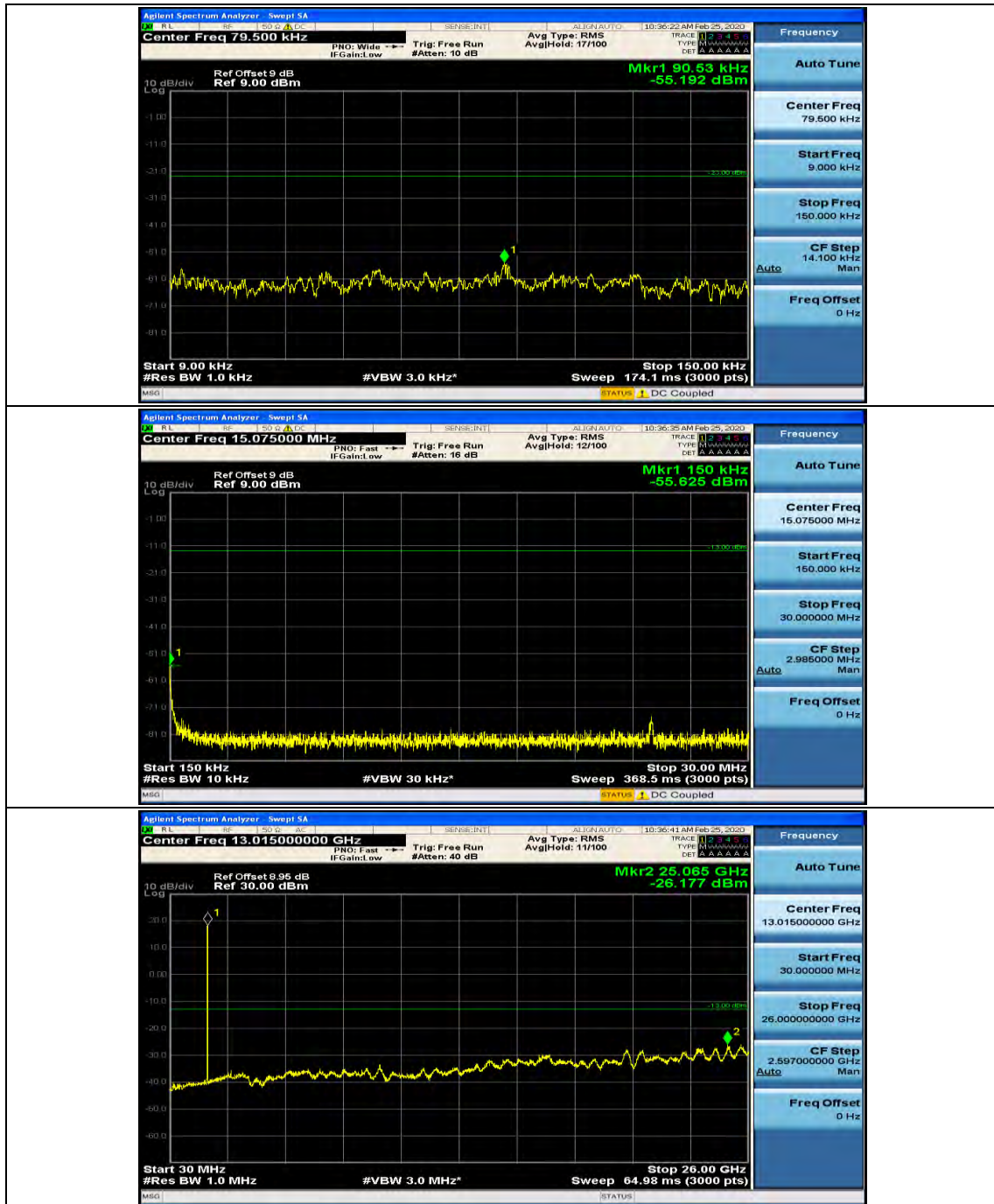
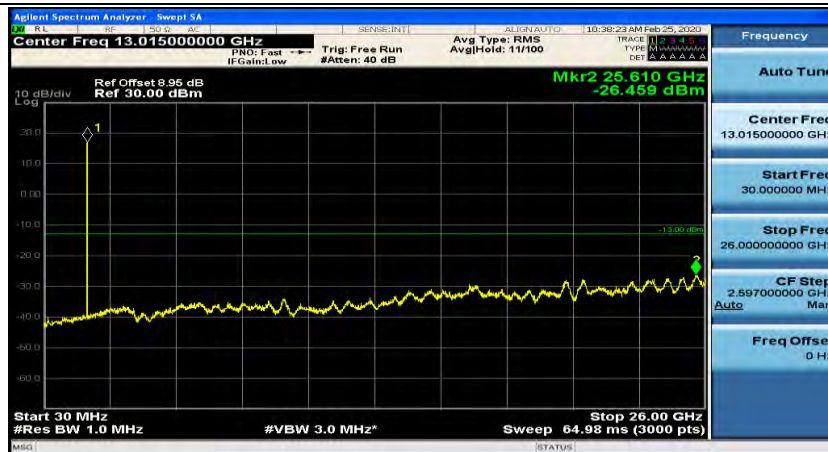
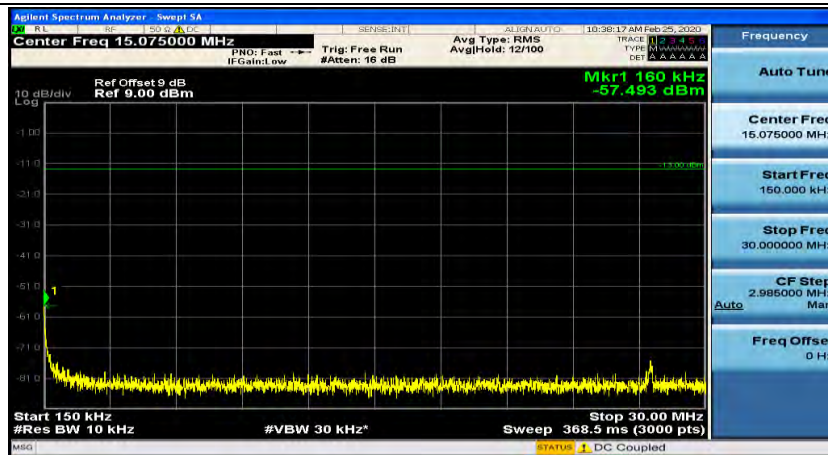


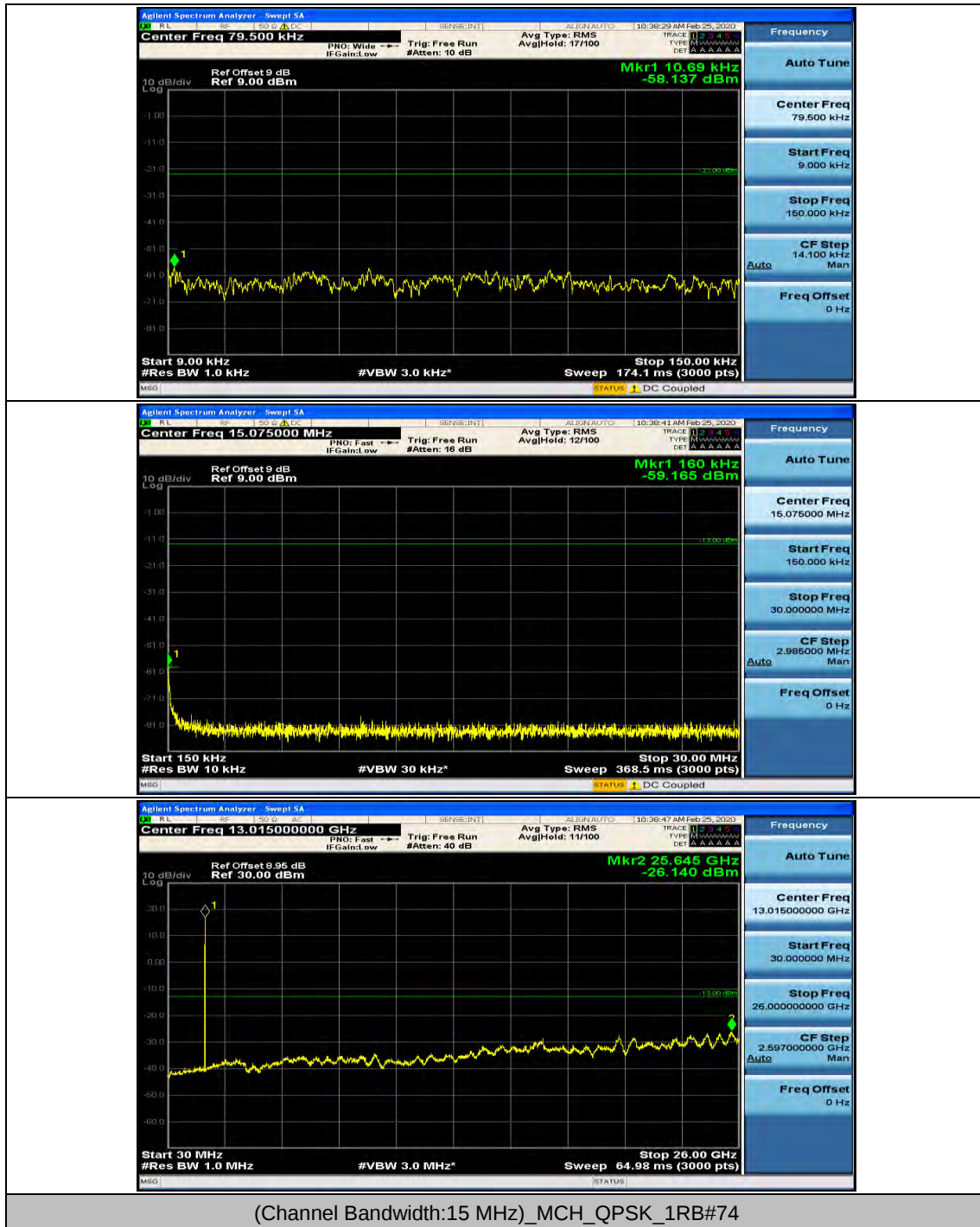


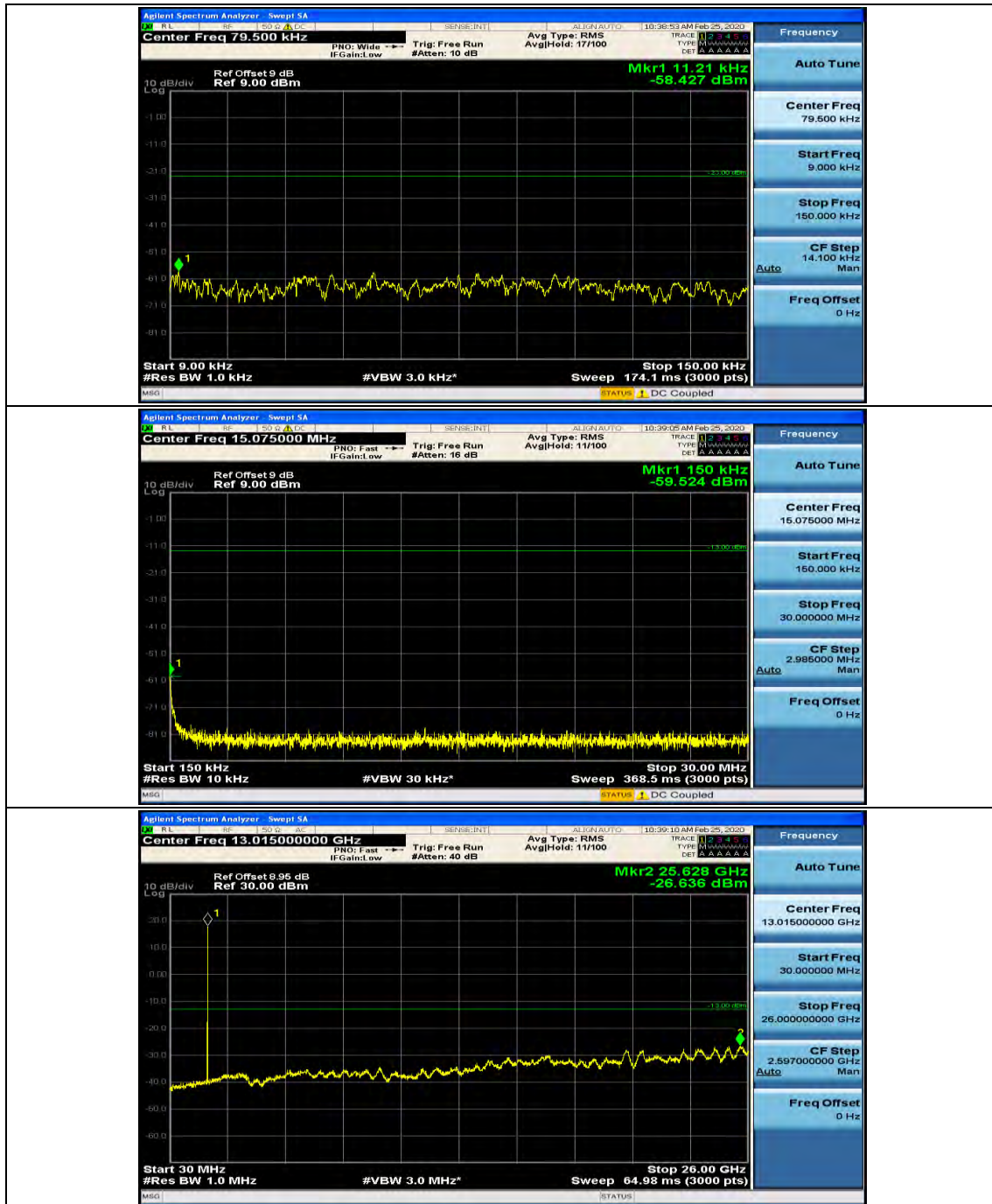


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

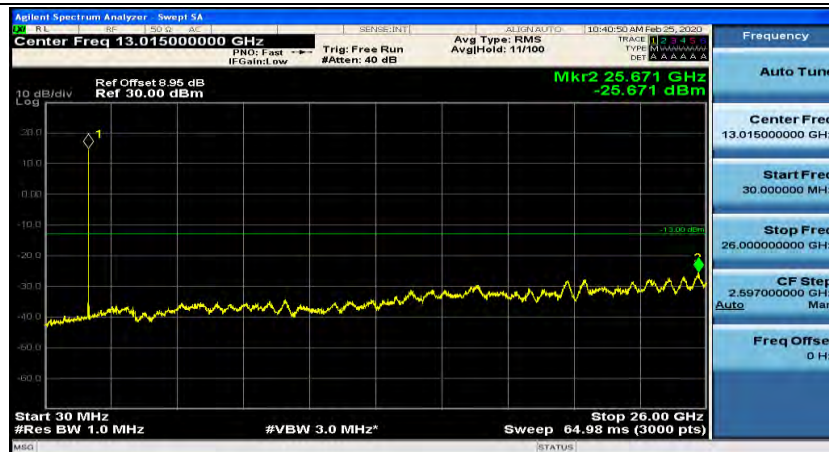
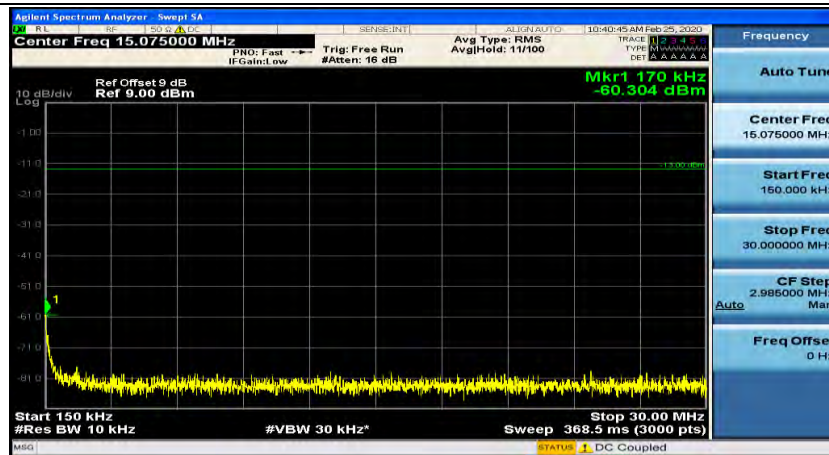
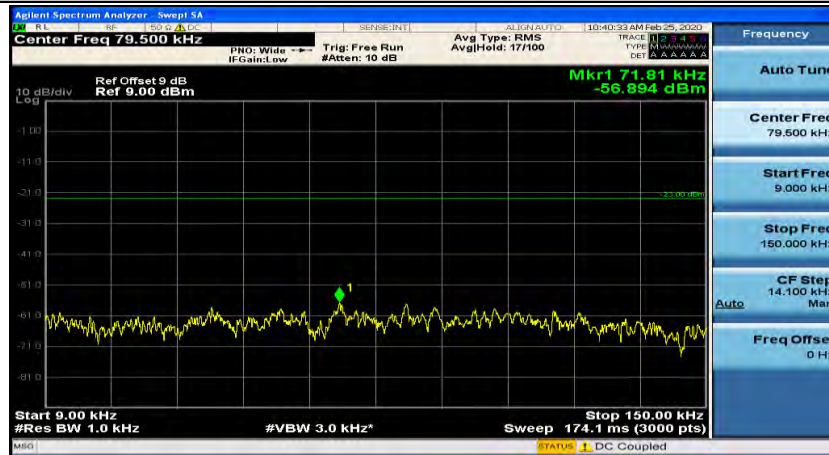


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

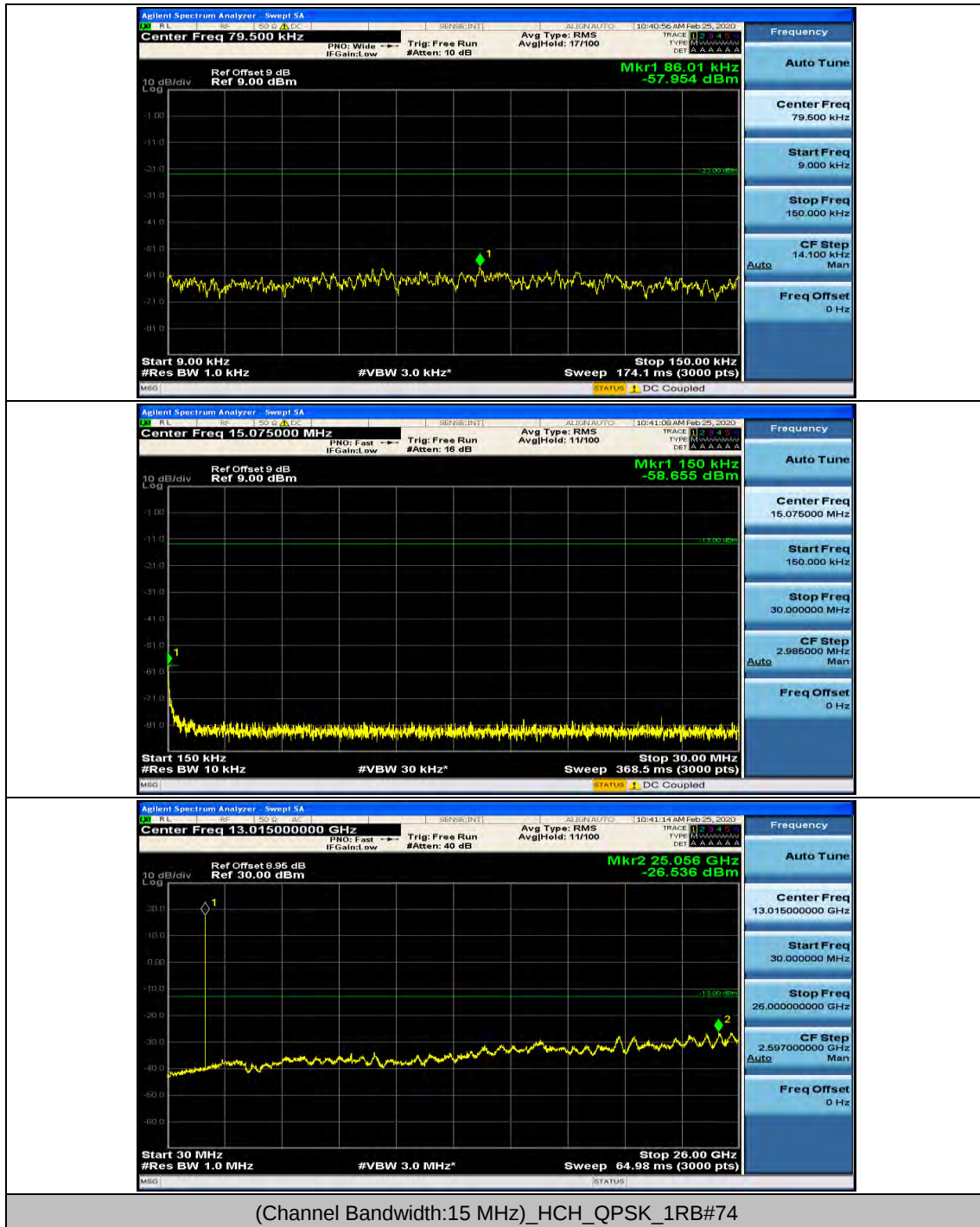


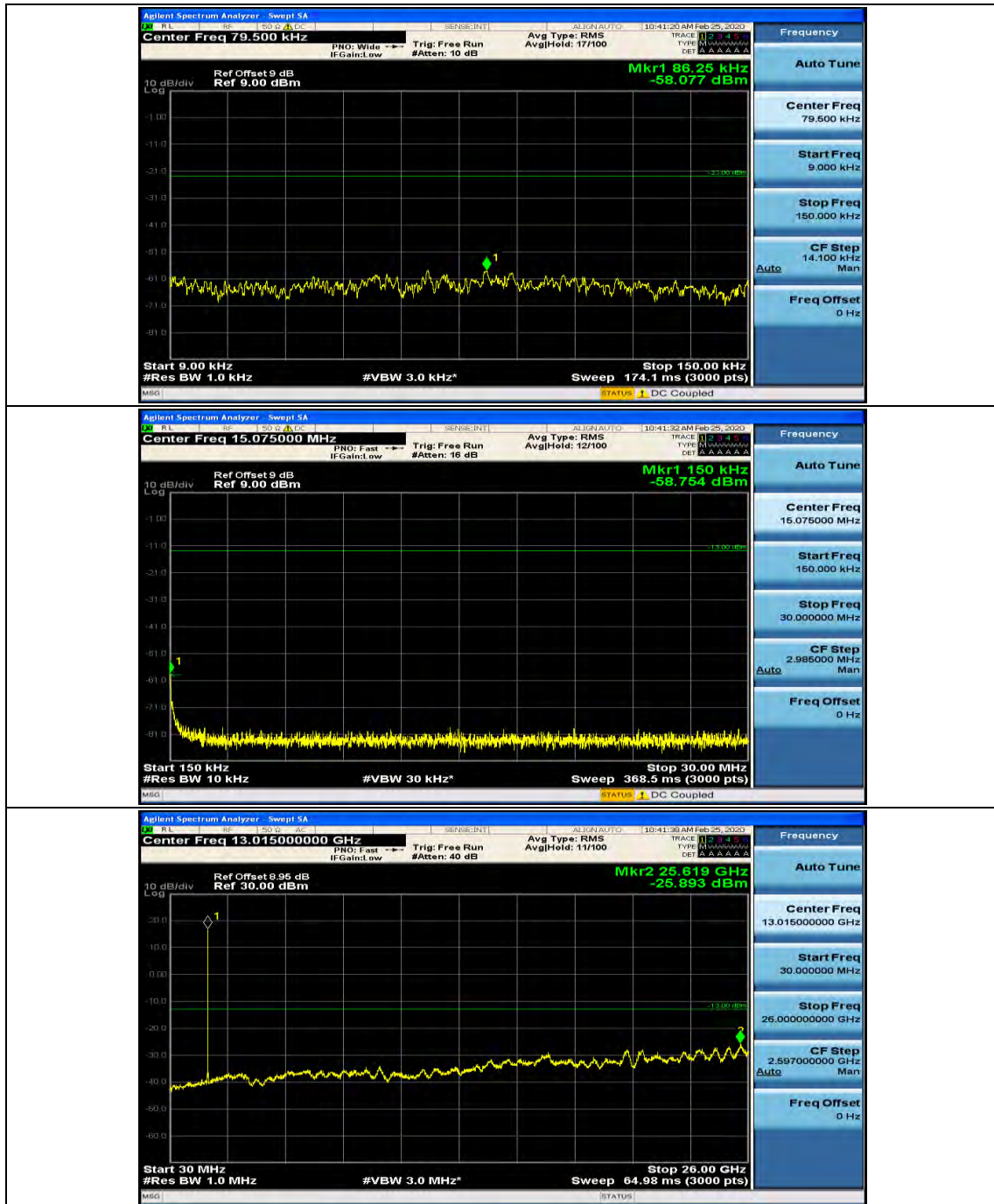


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

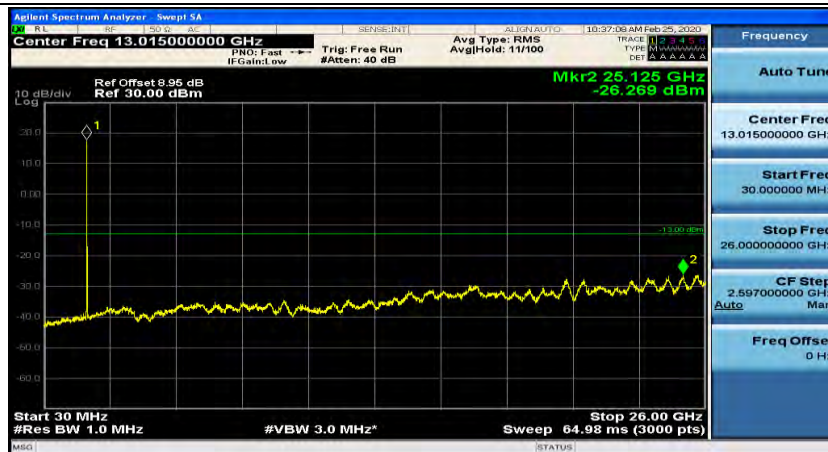
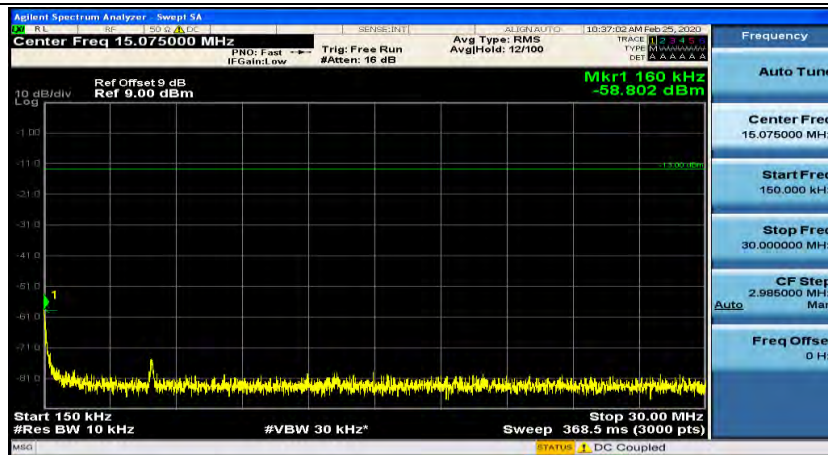


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

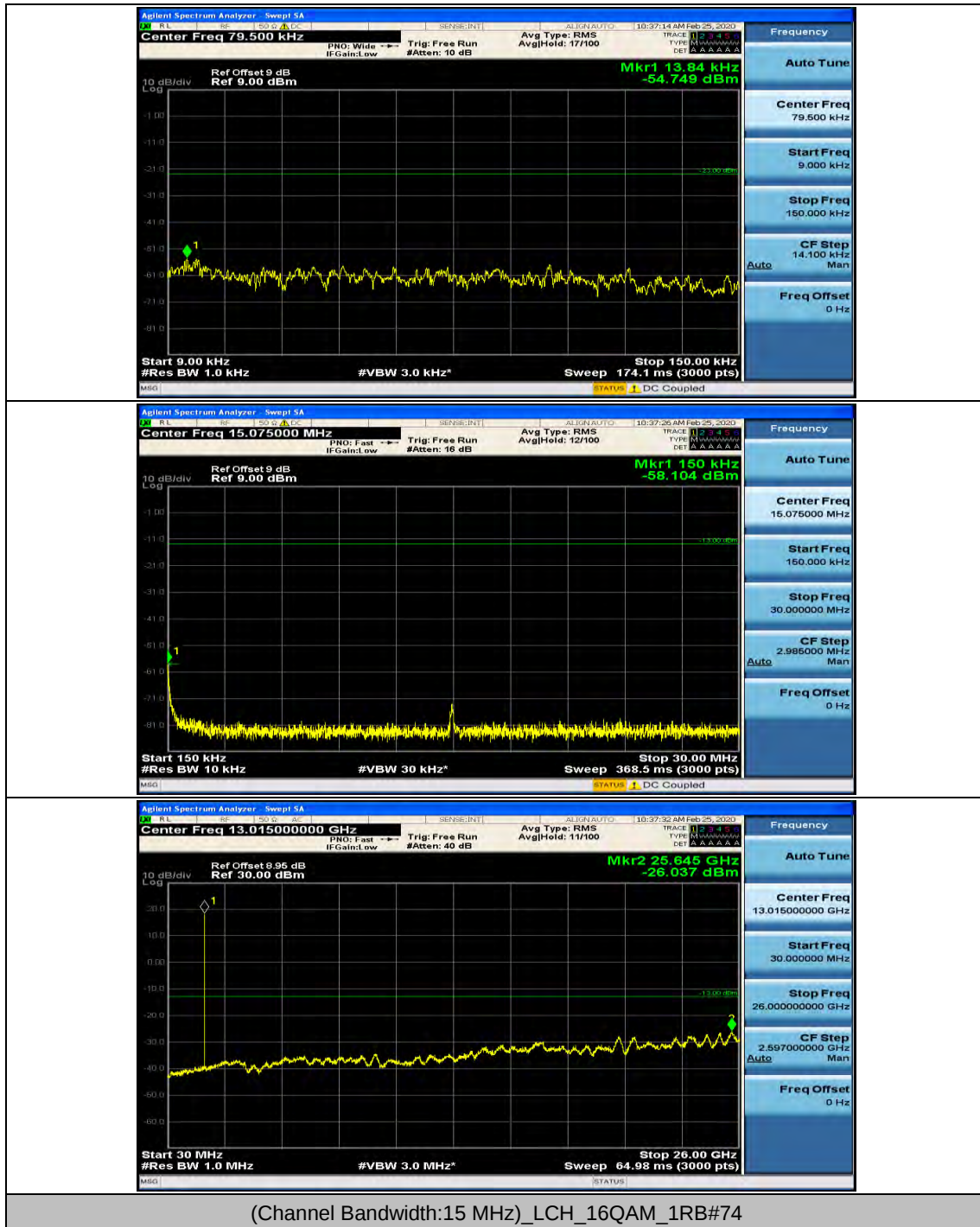


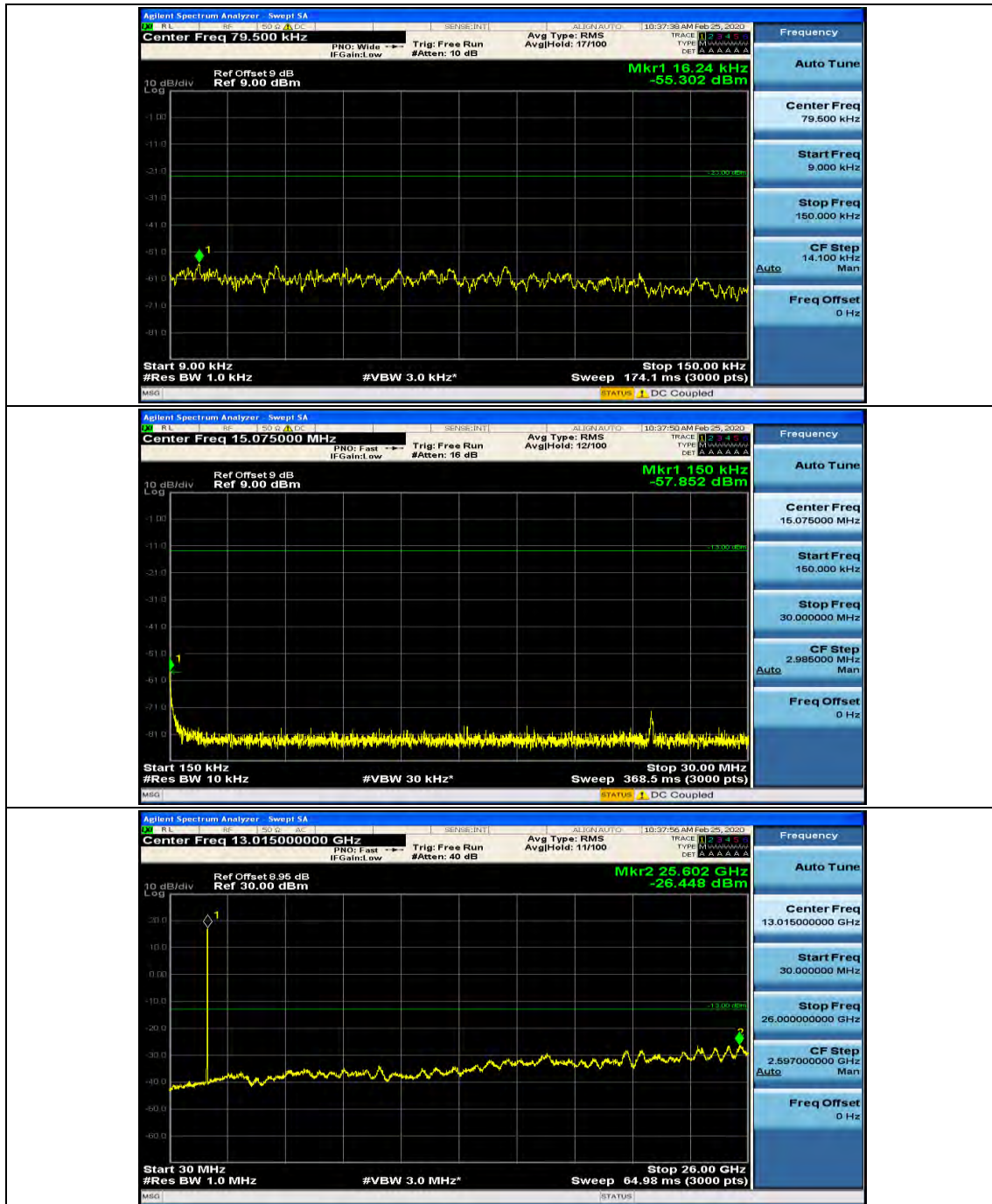


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

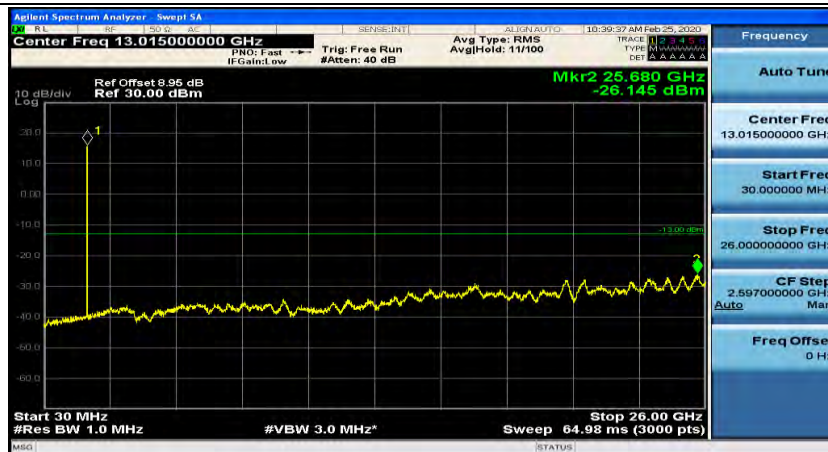
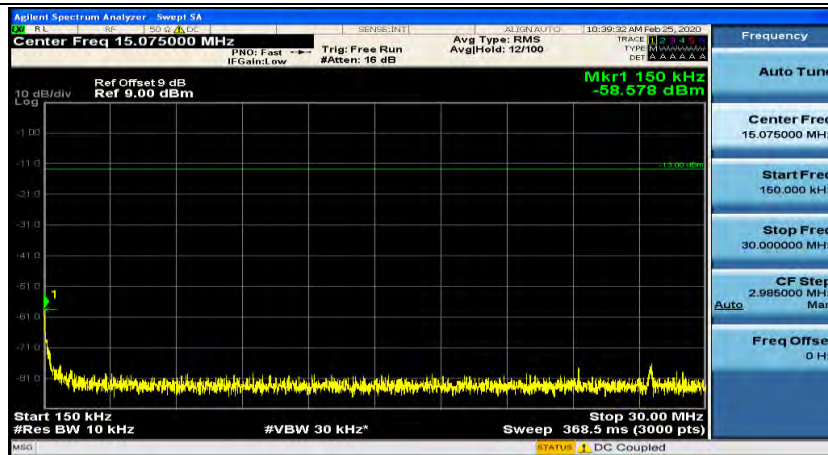


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

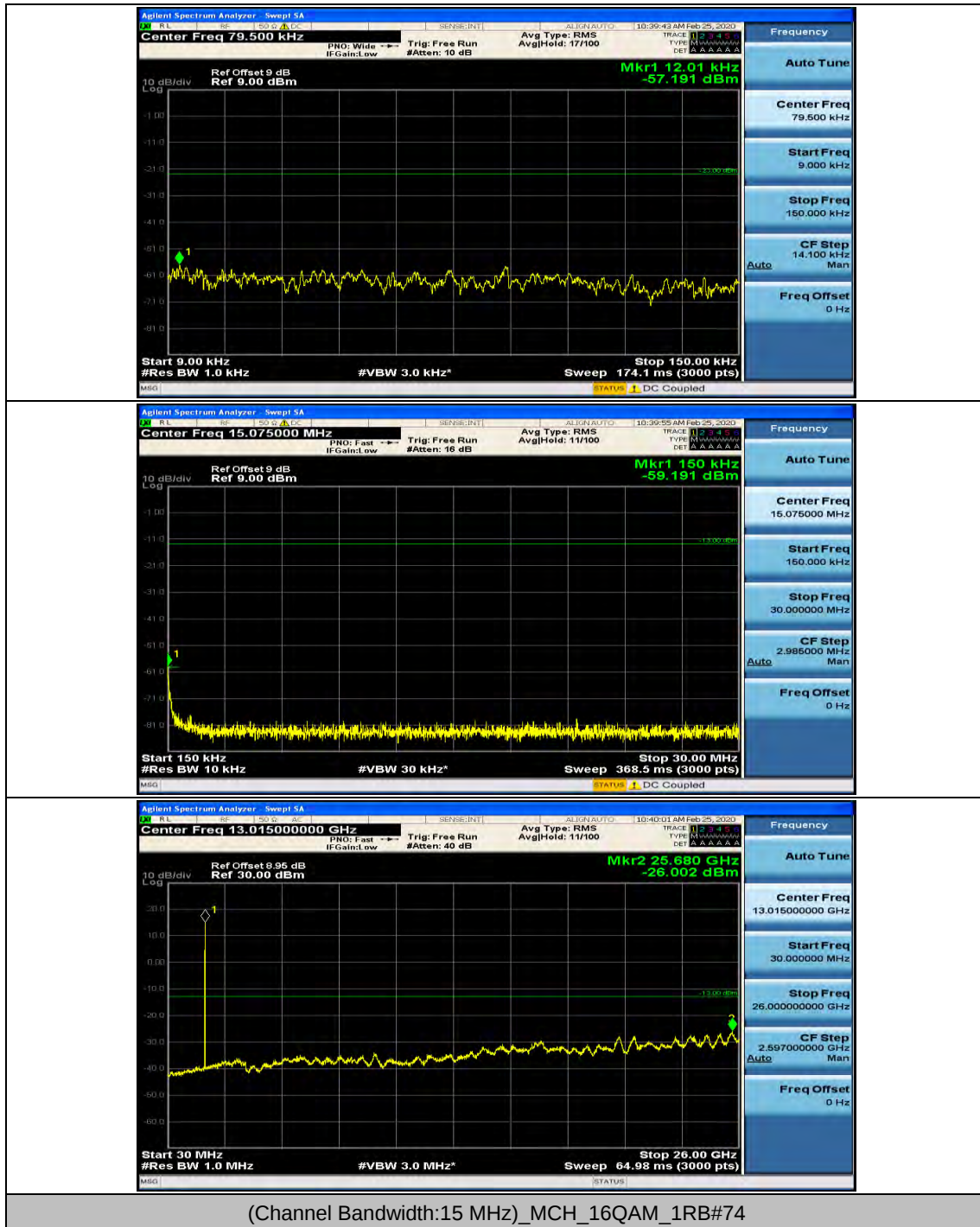


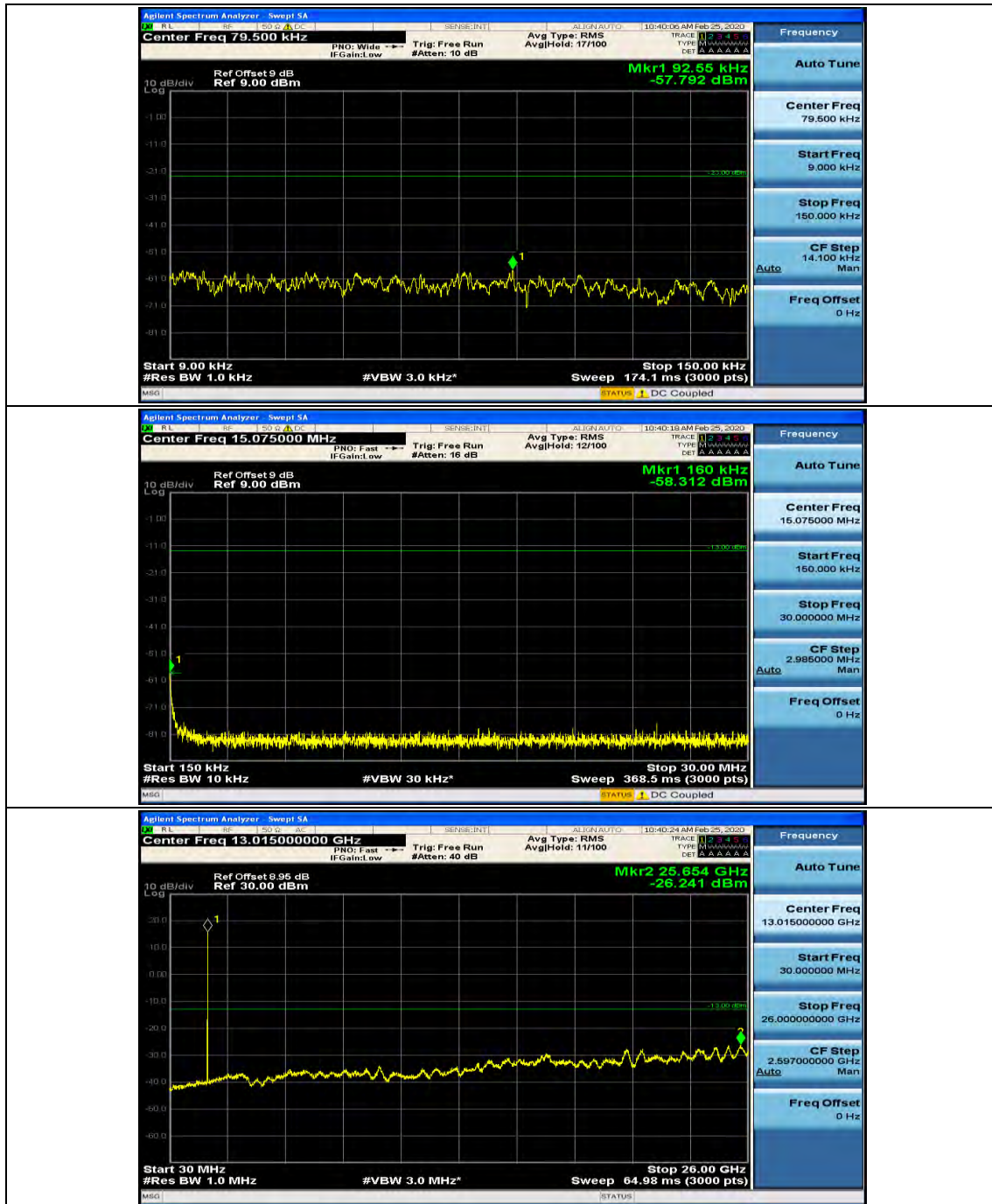


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

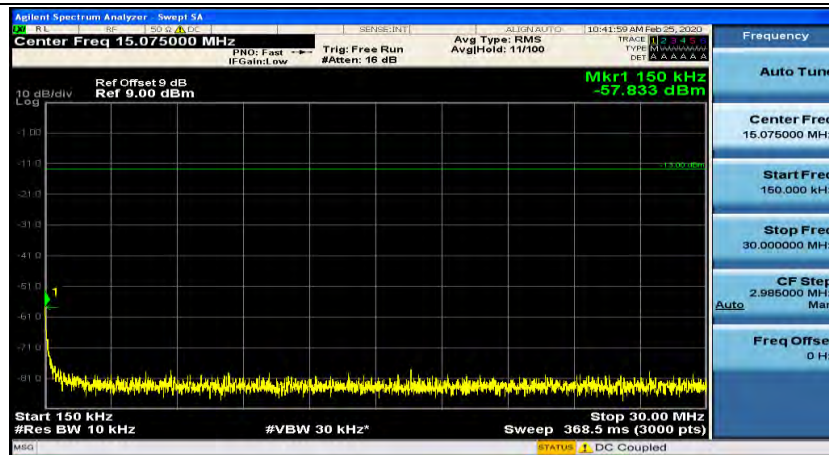


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

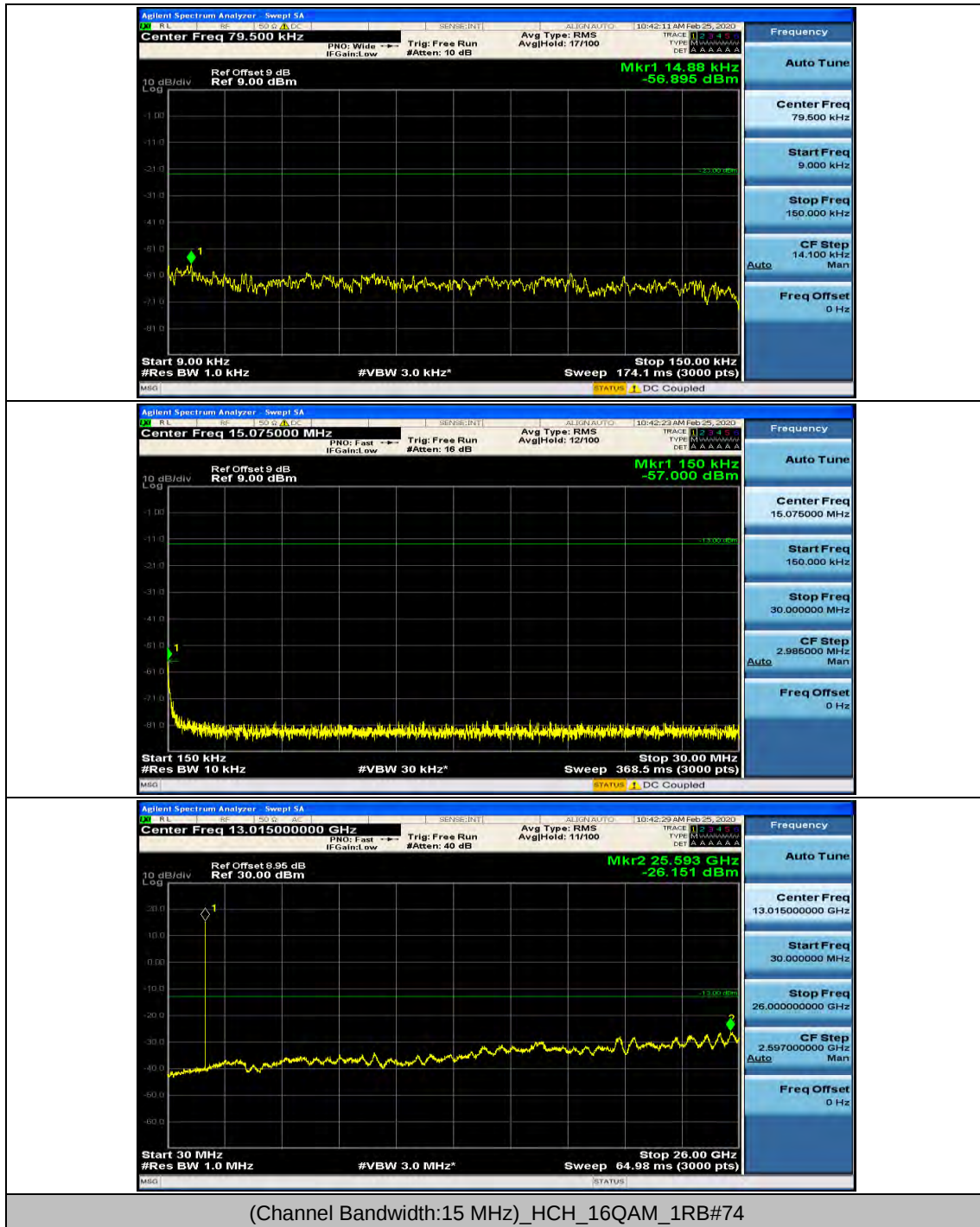


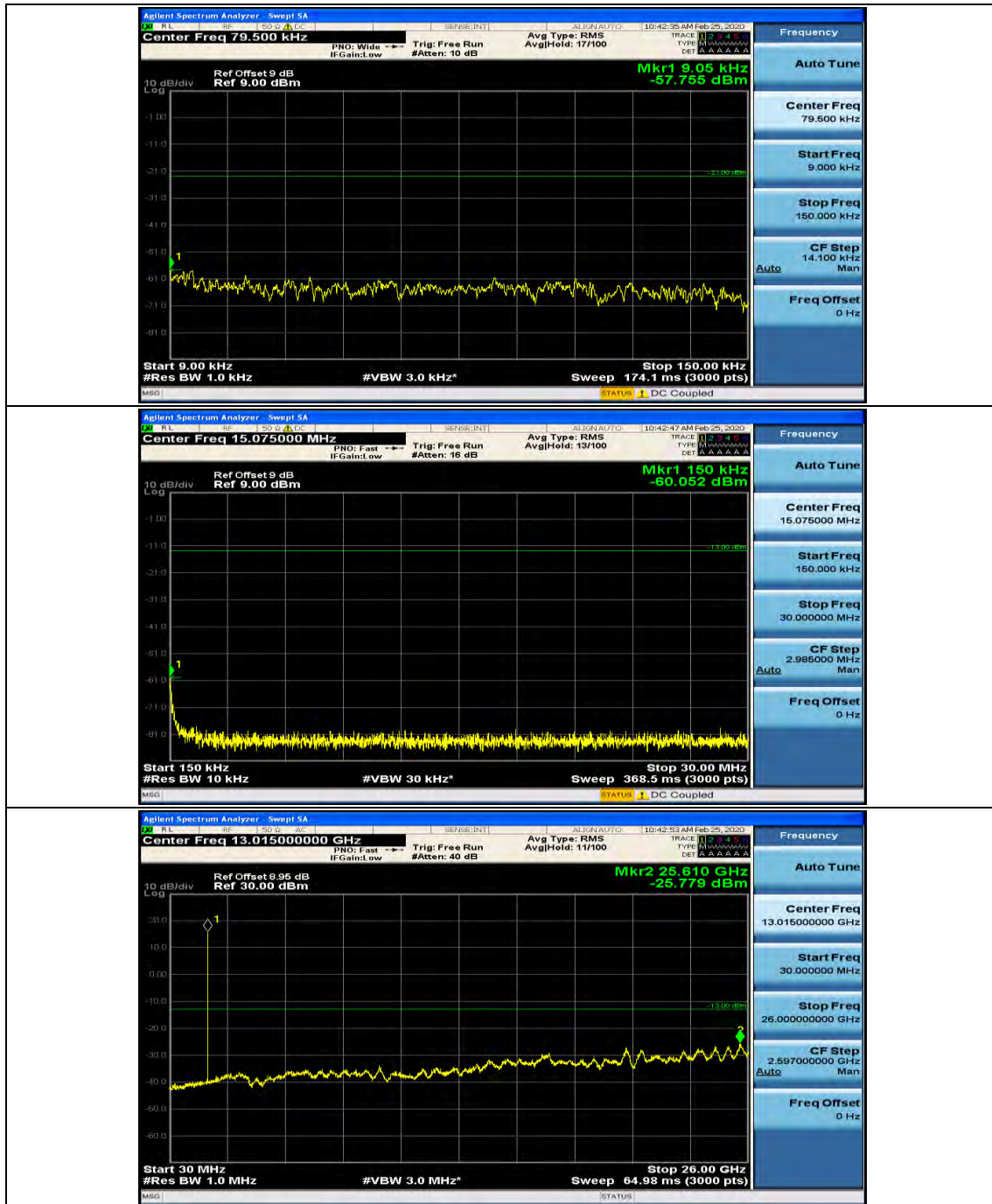


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

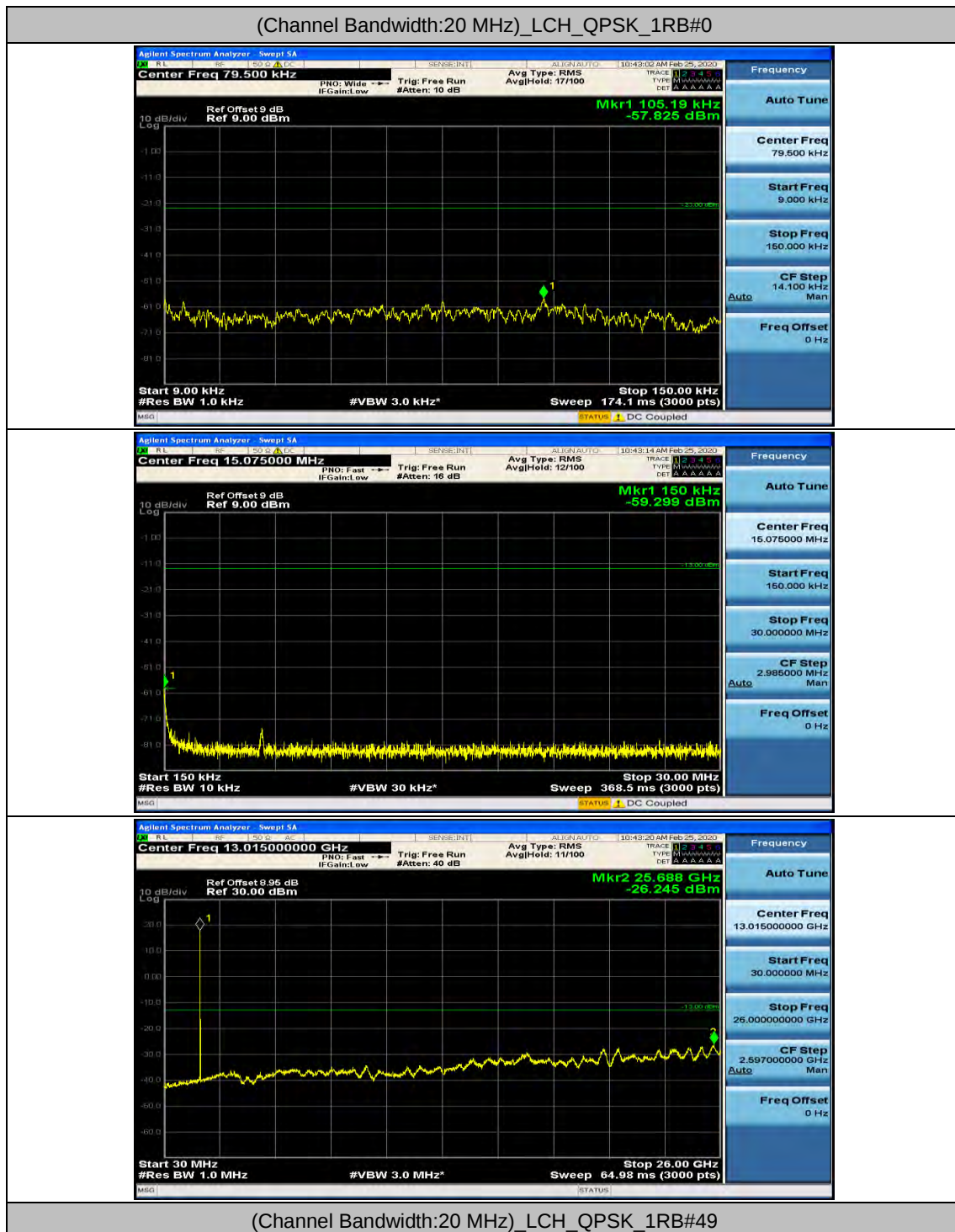


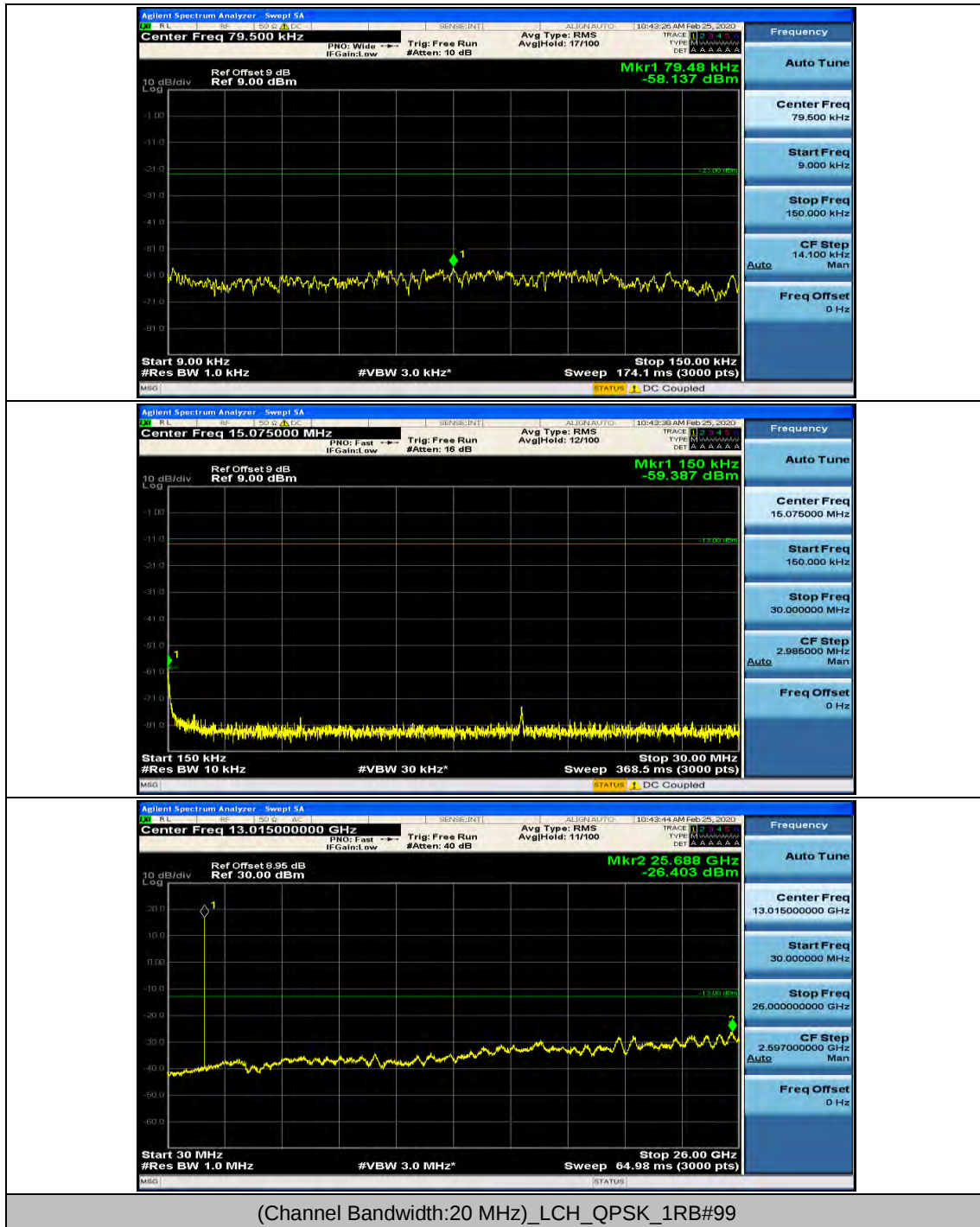
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

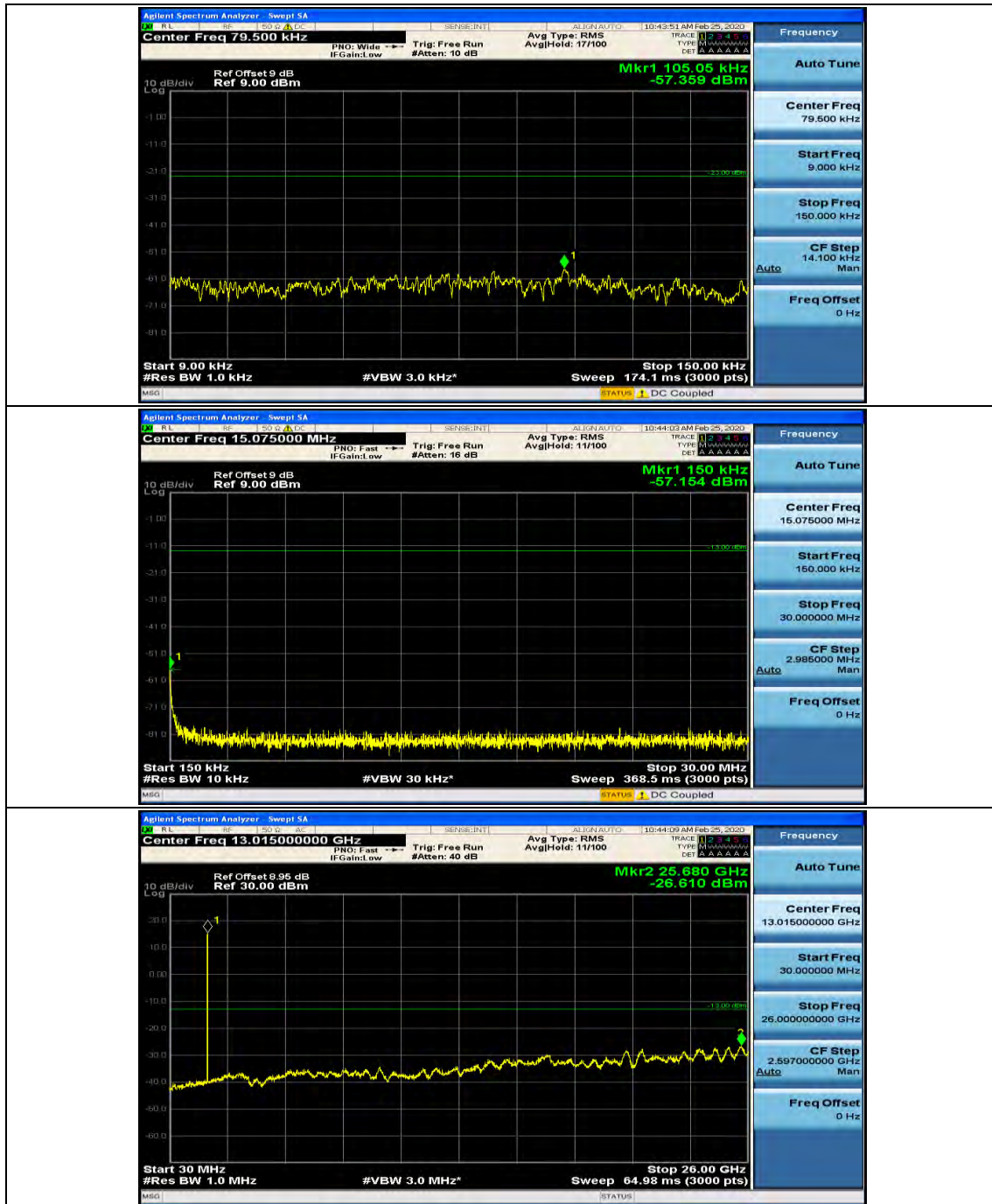




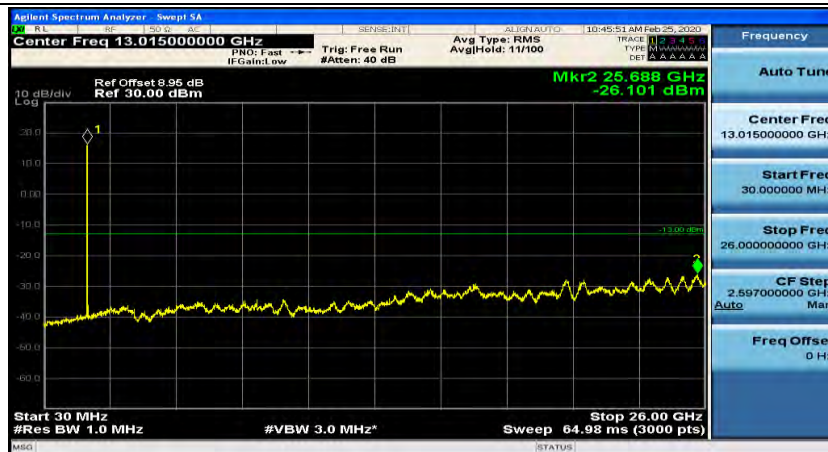
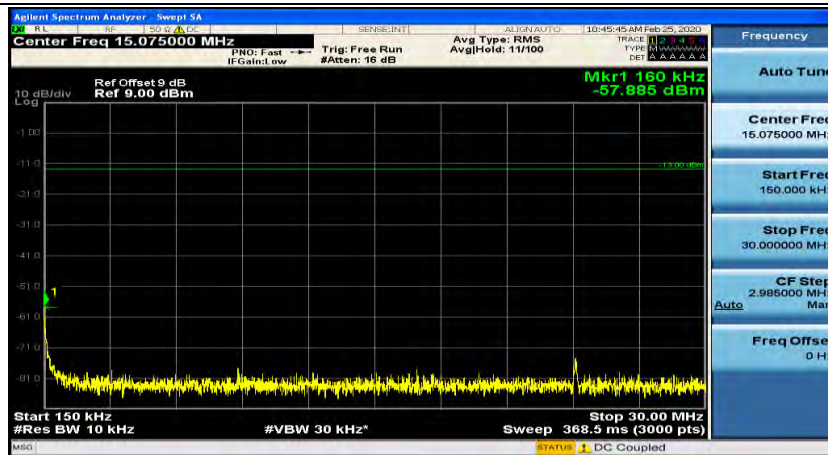
Channel Bandwidth: 20 MHz



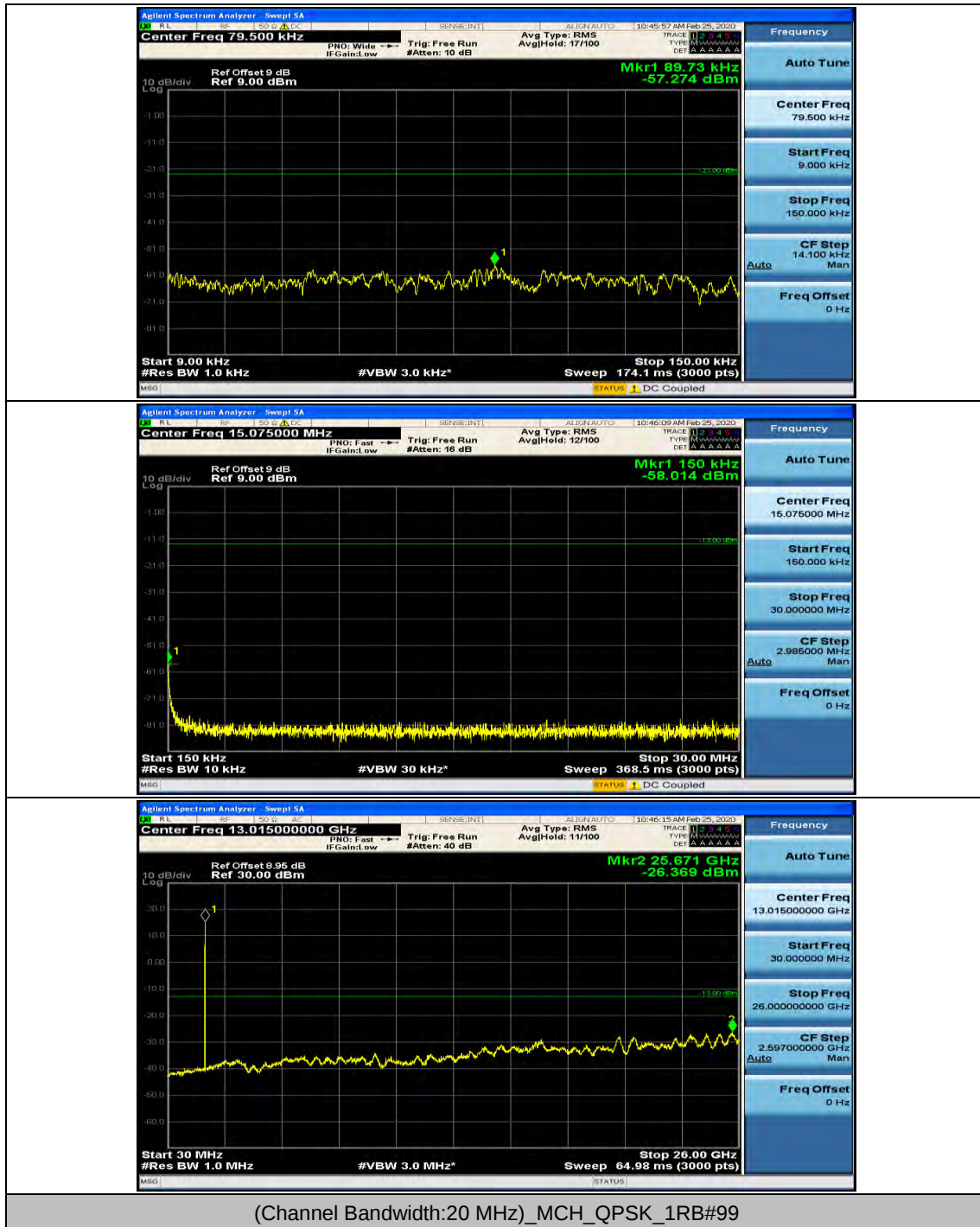


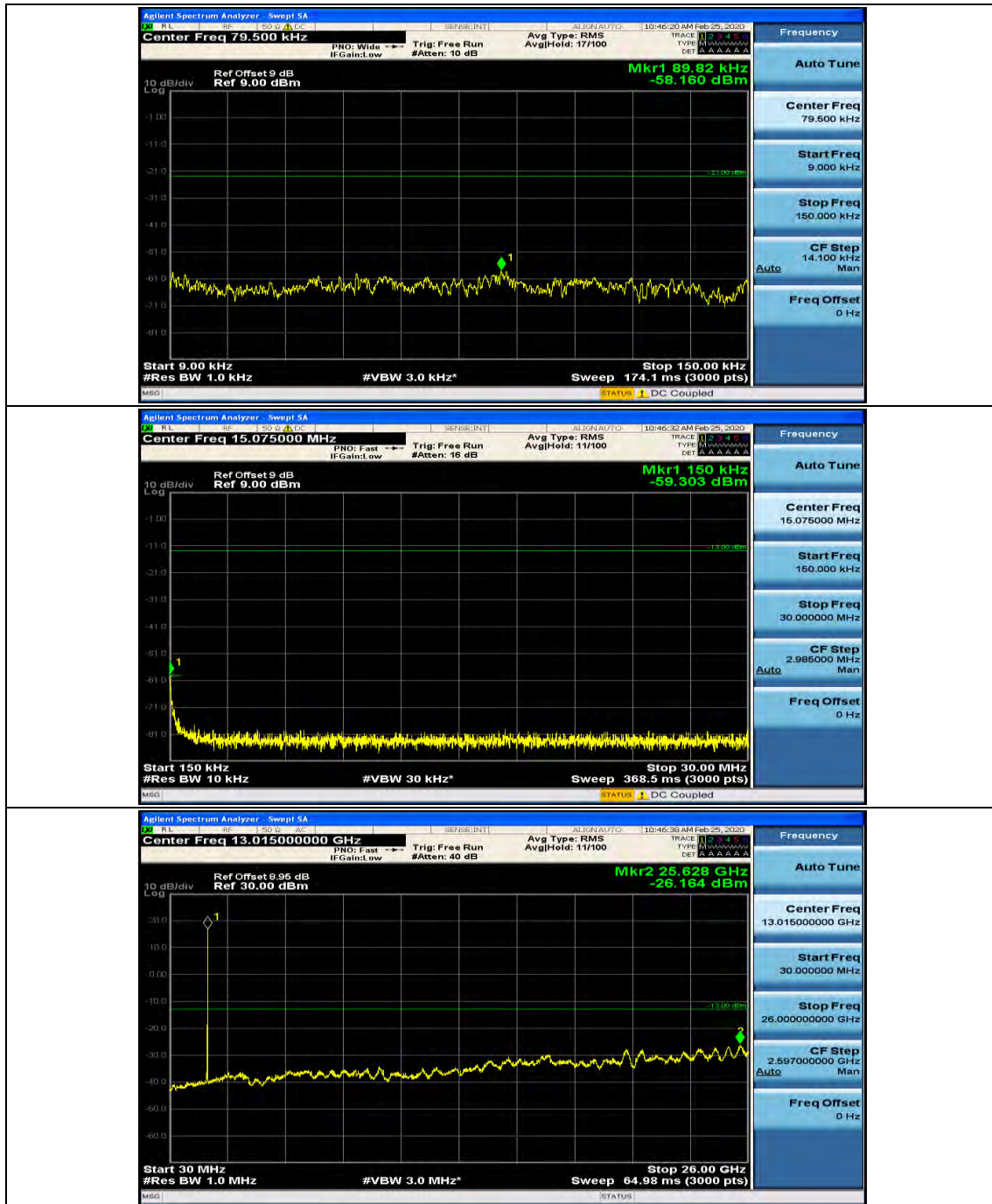


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

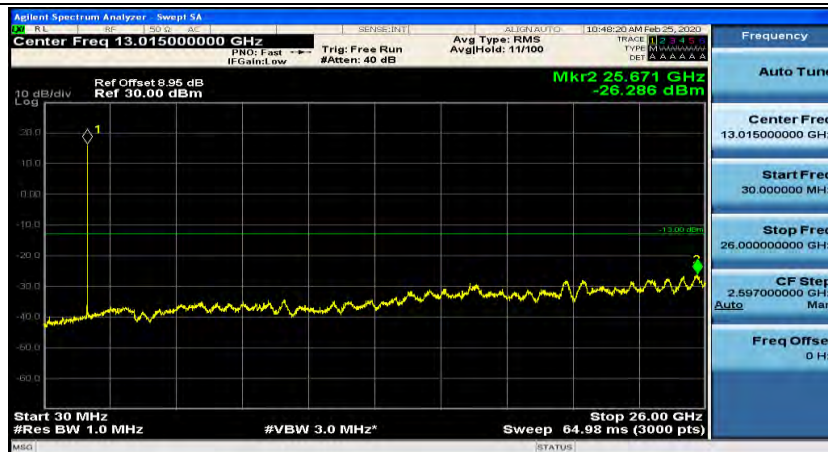
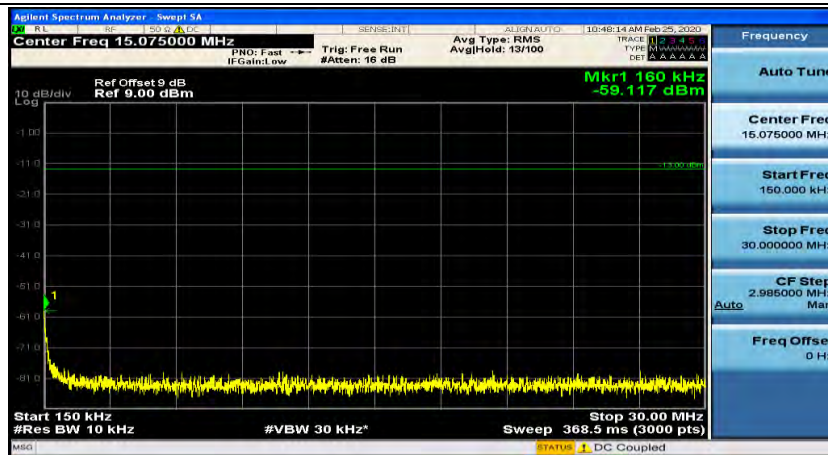
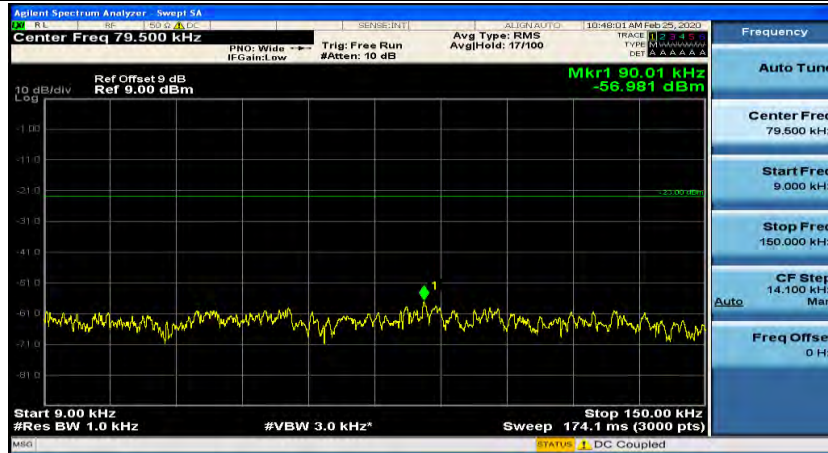


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

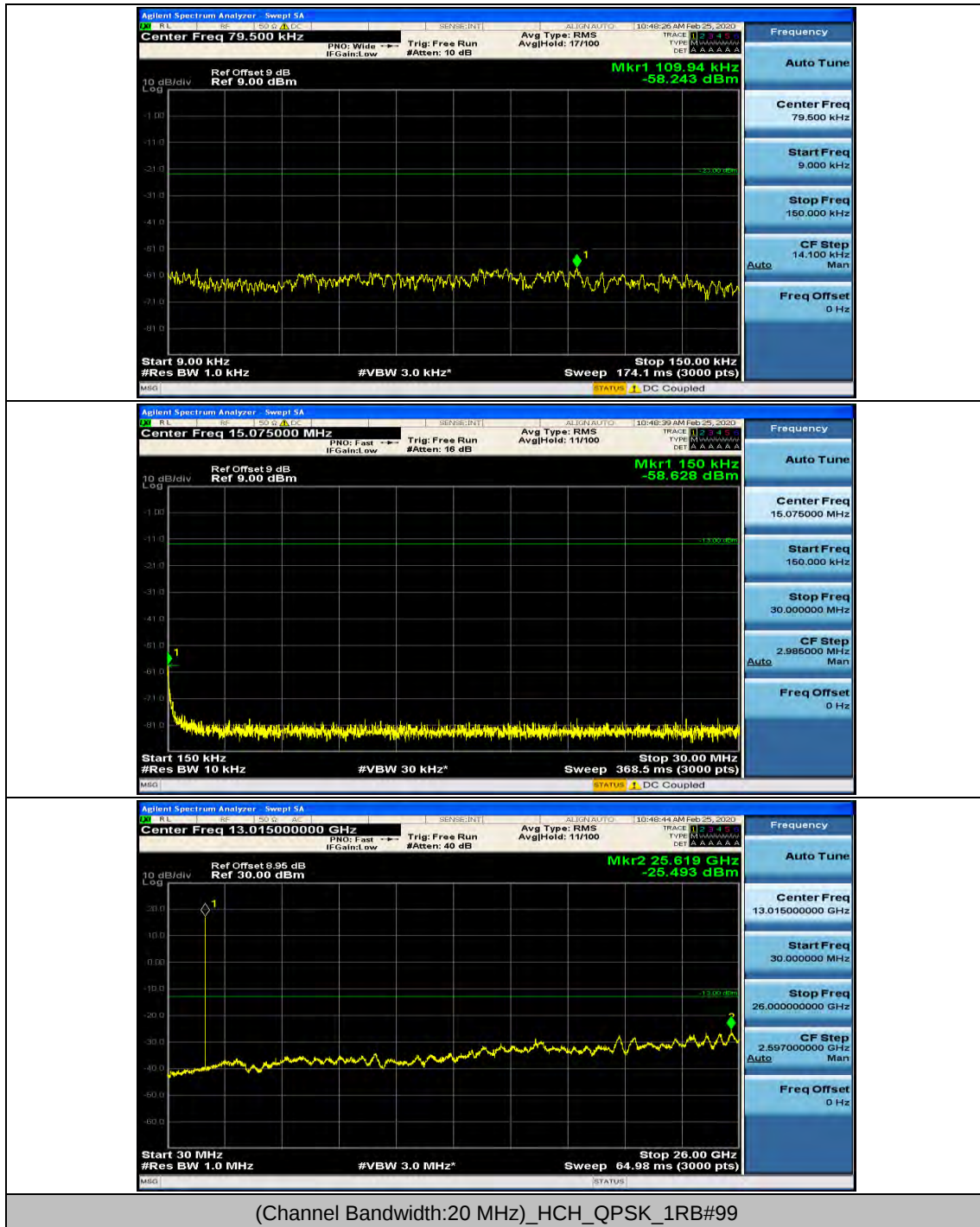


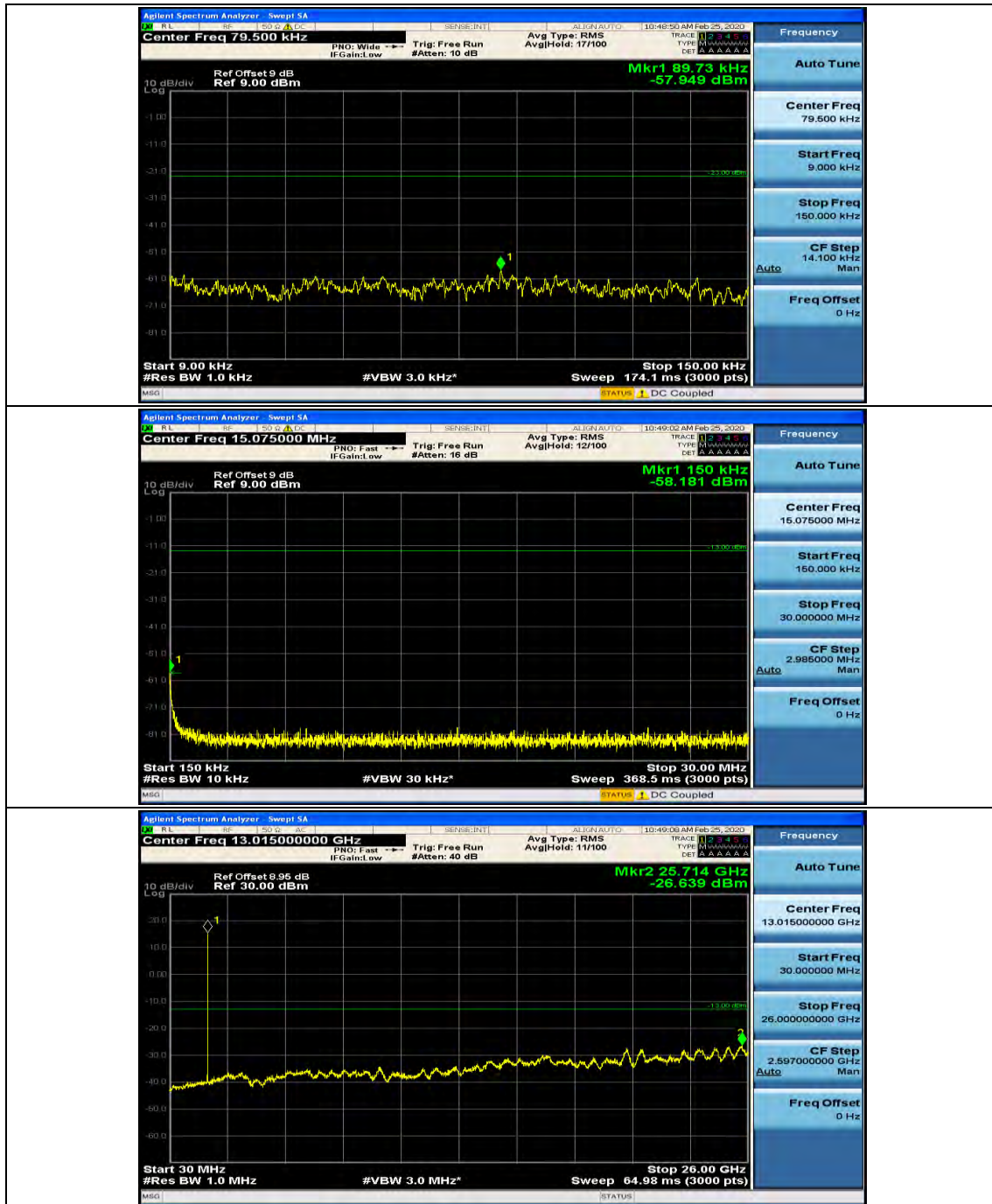


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

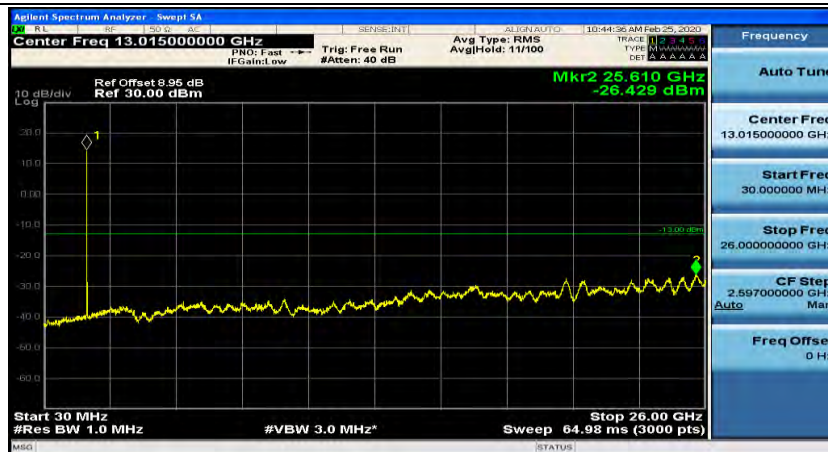
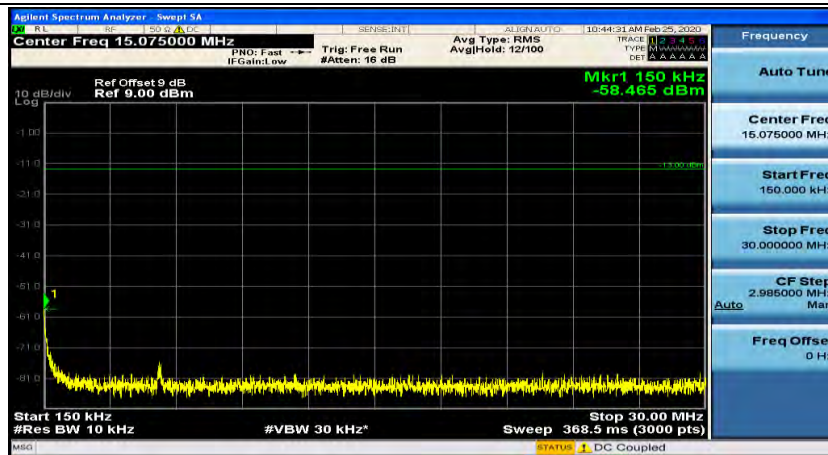


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

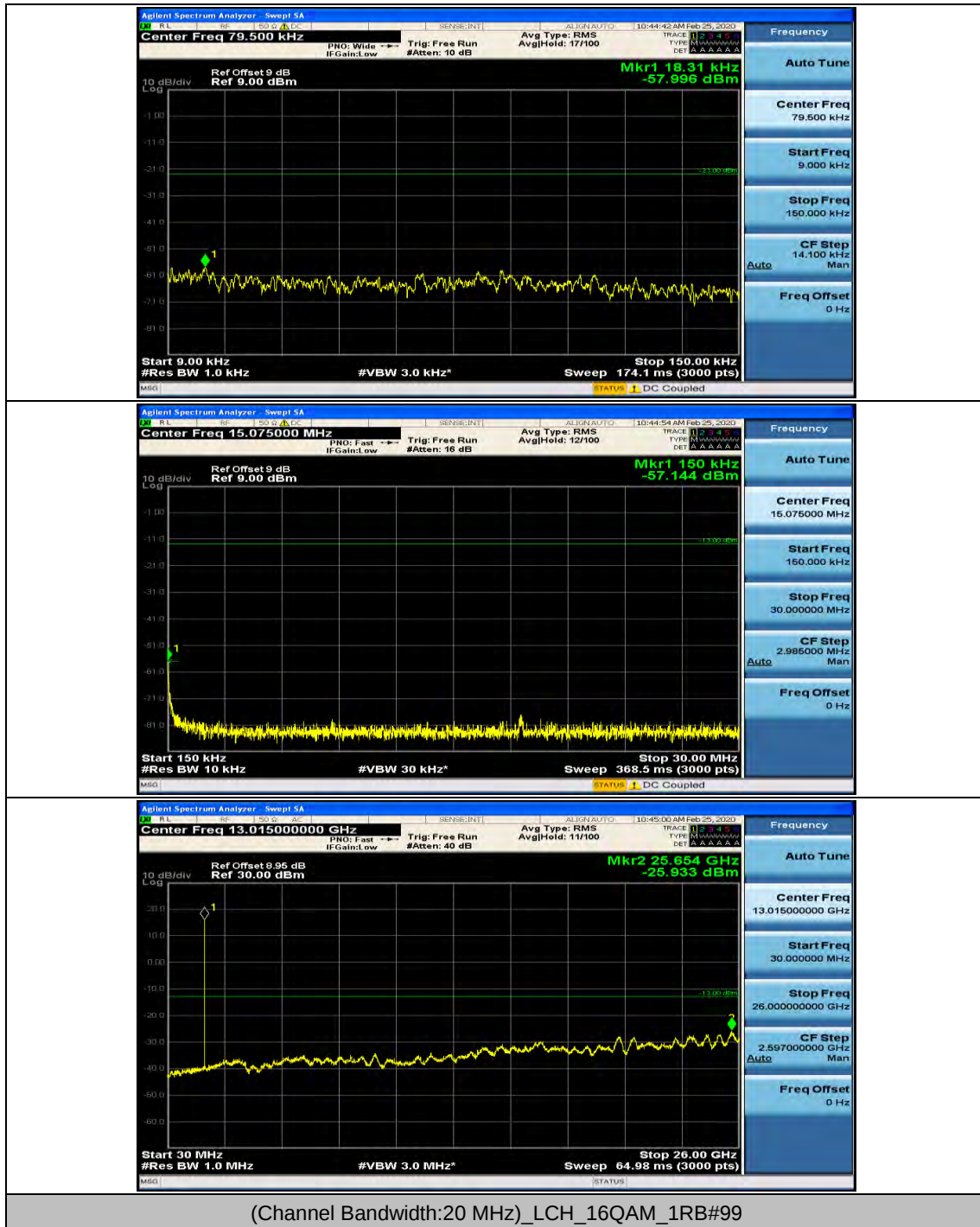


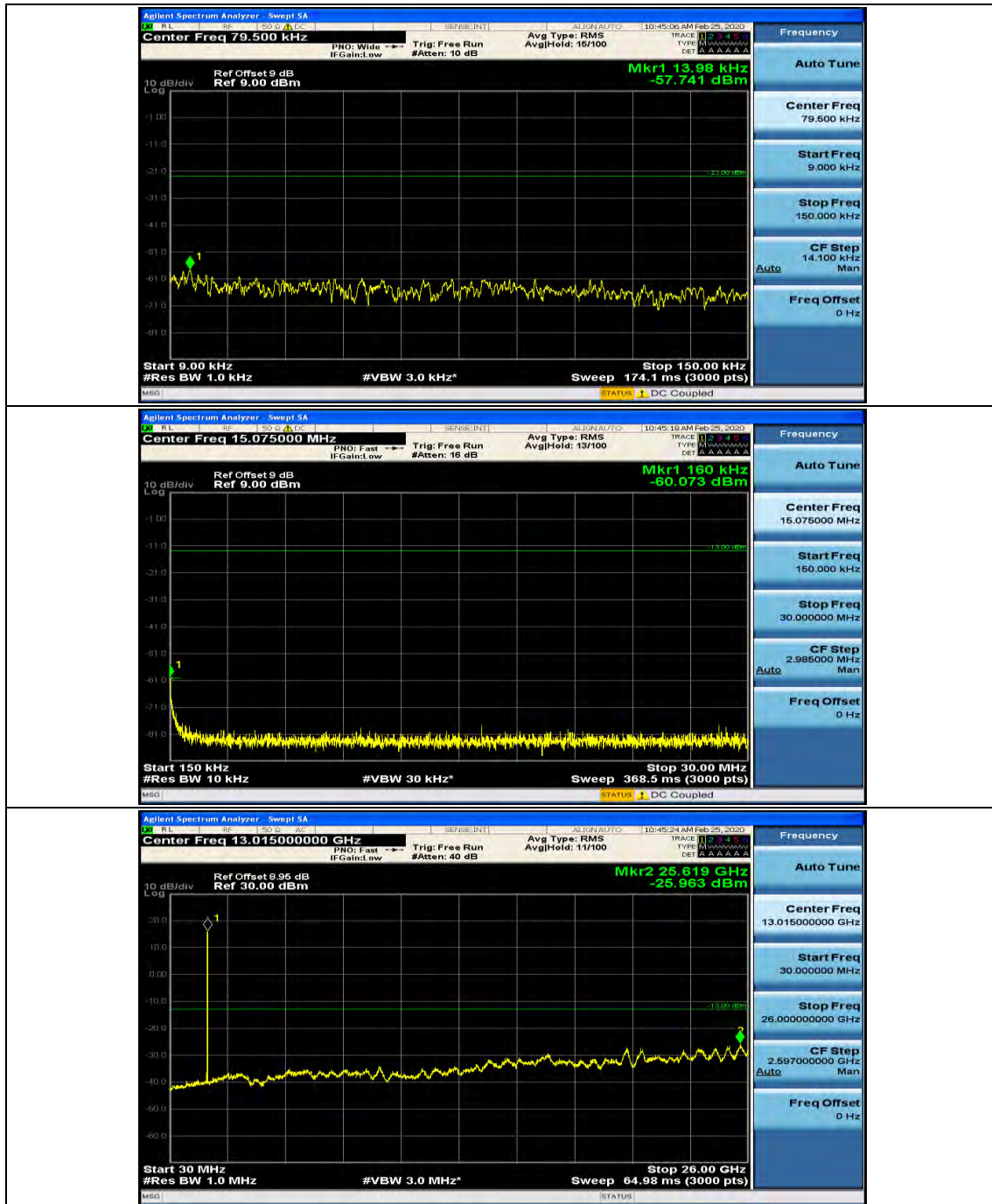


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

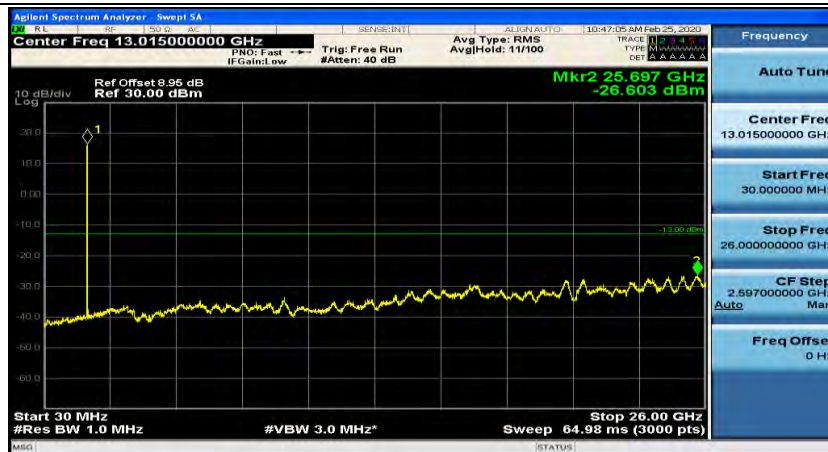
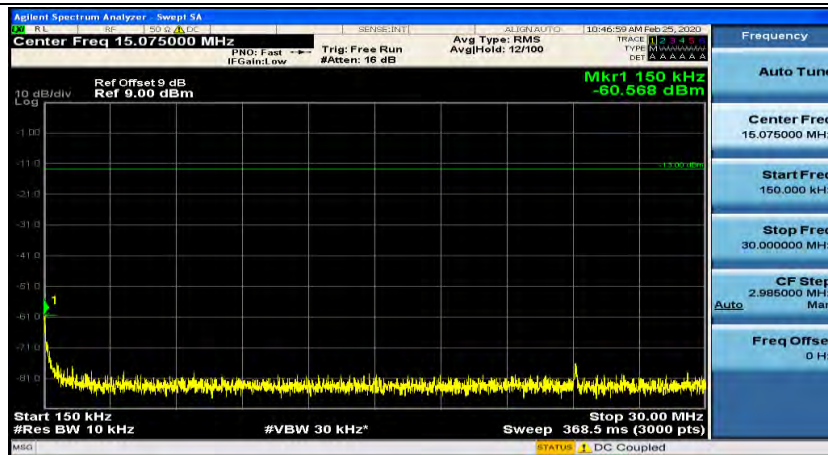


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

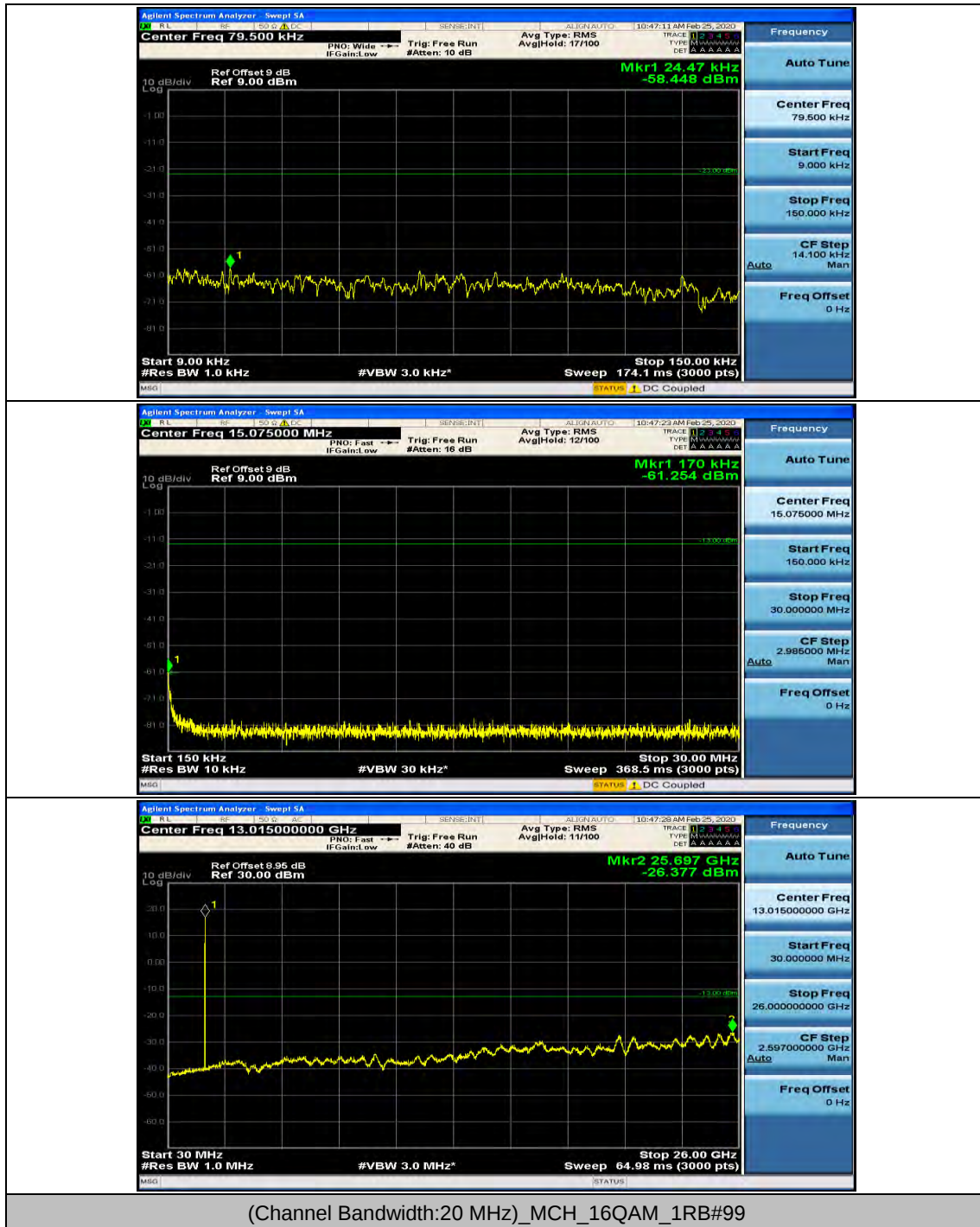


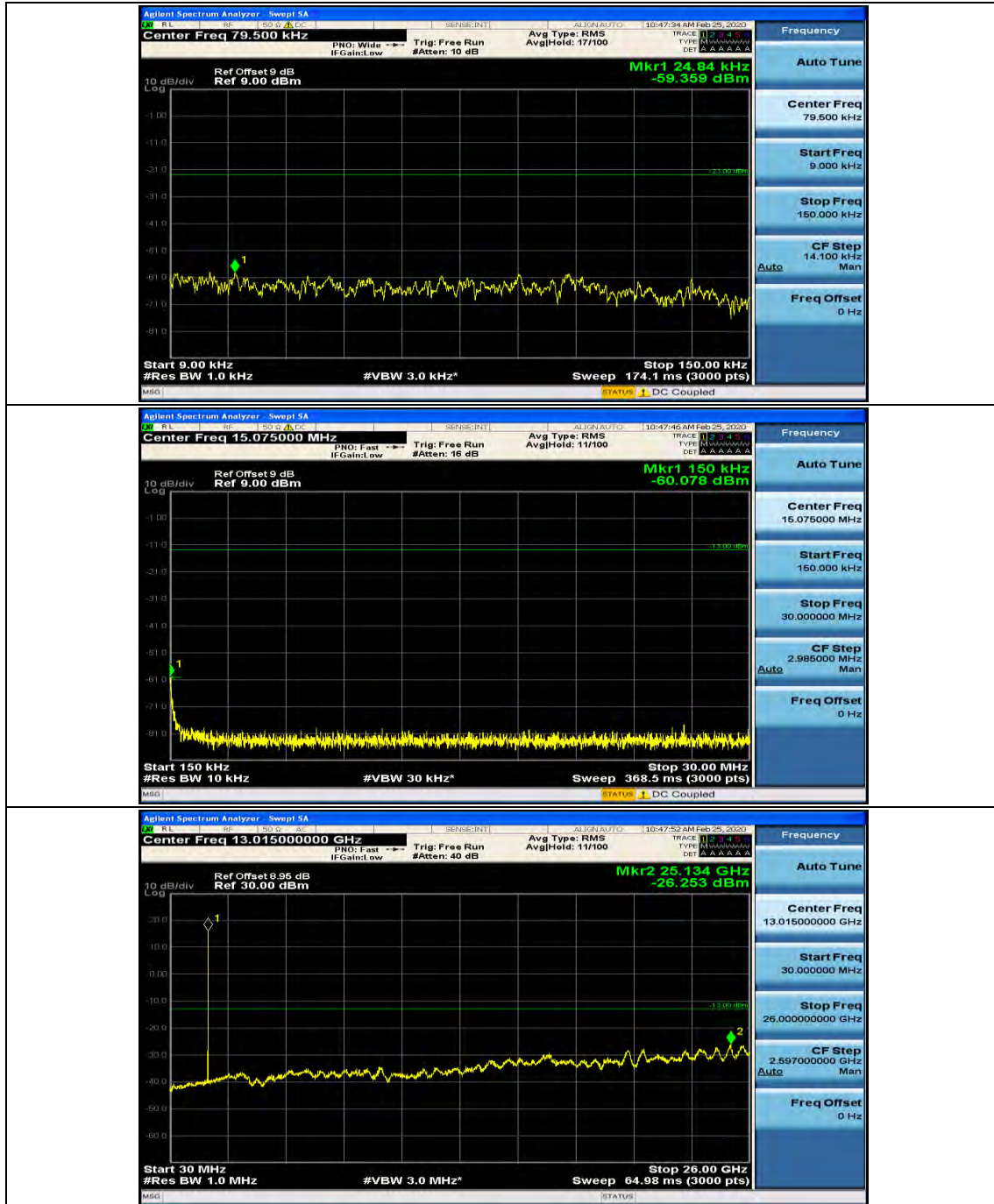


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

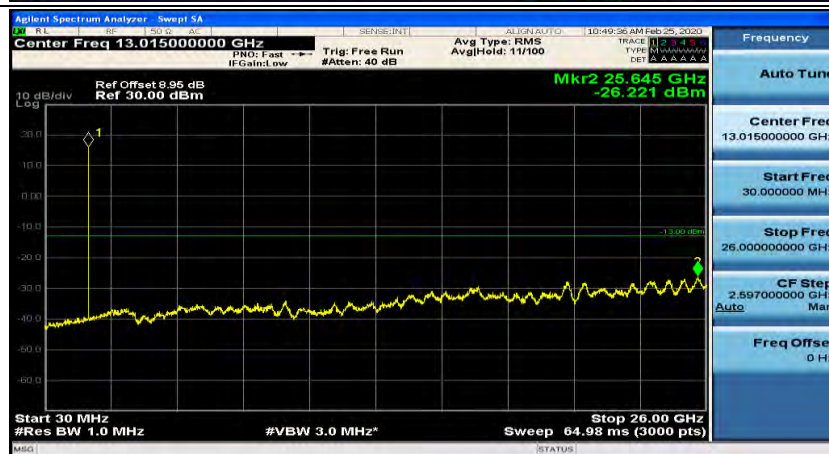
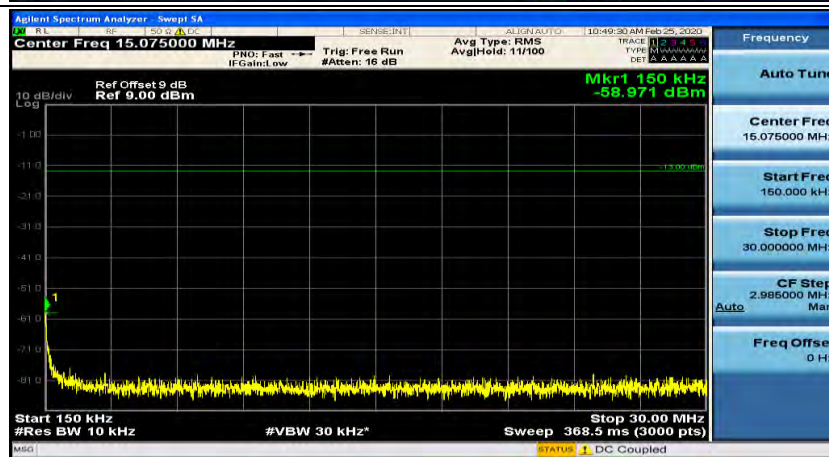
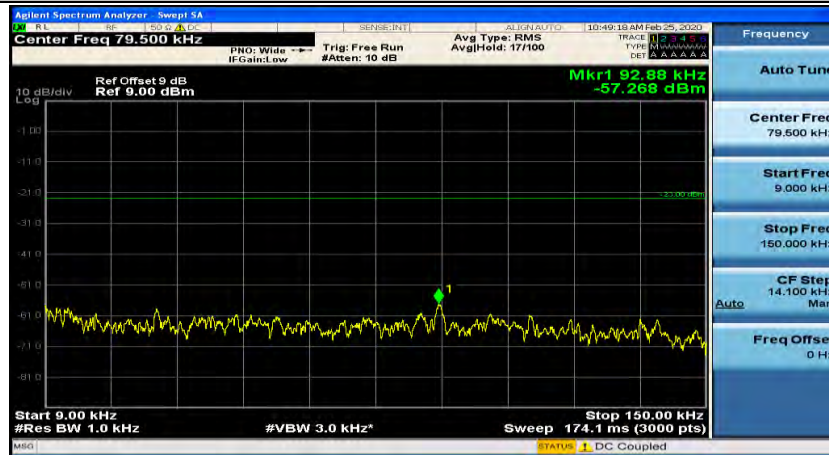


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

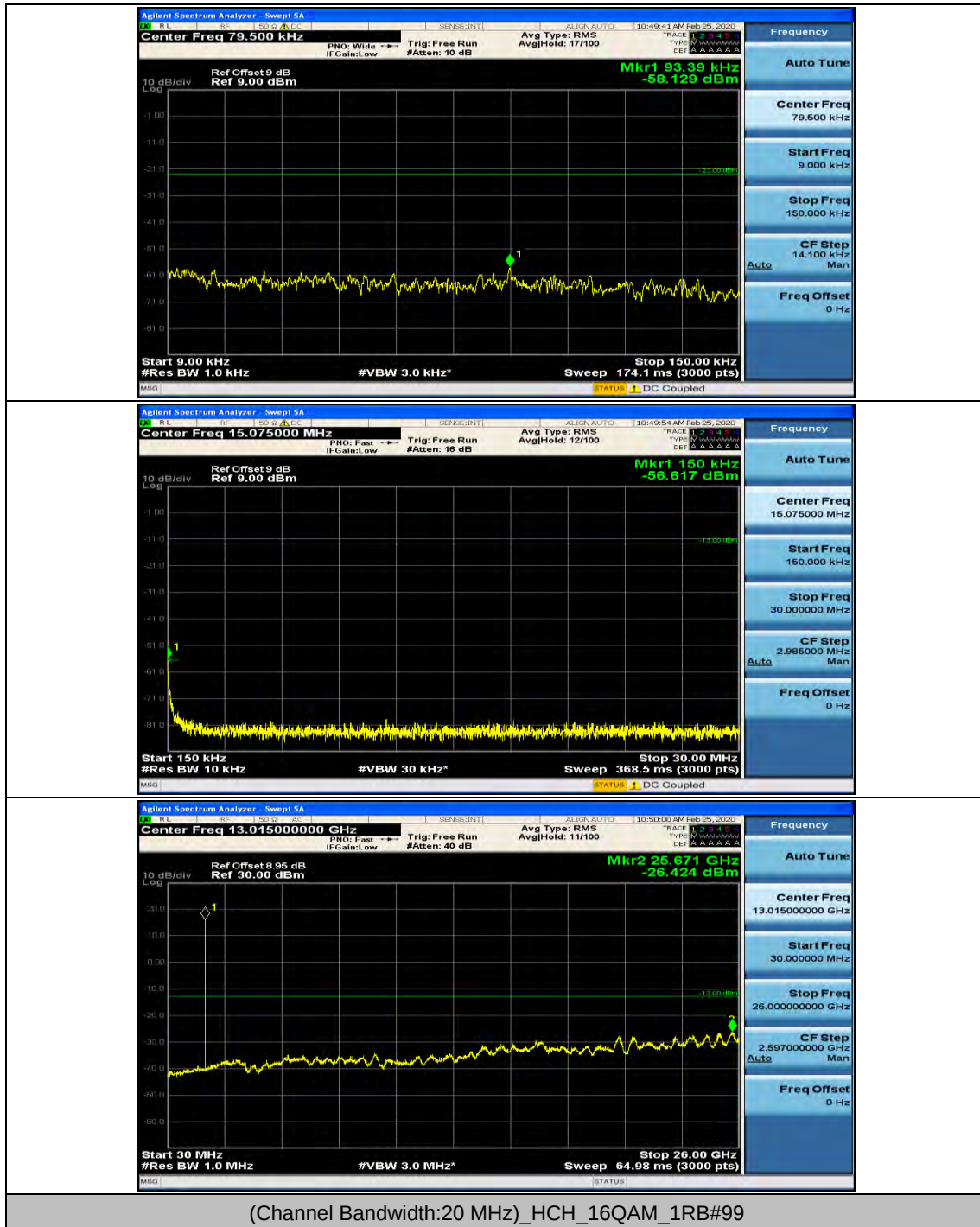


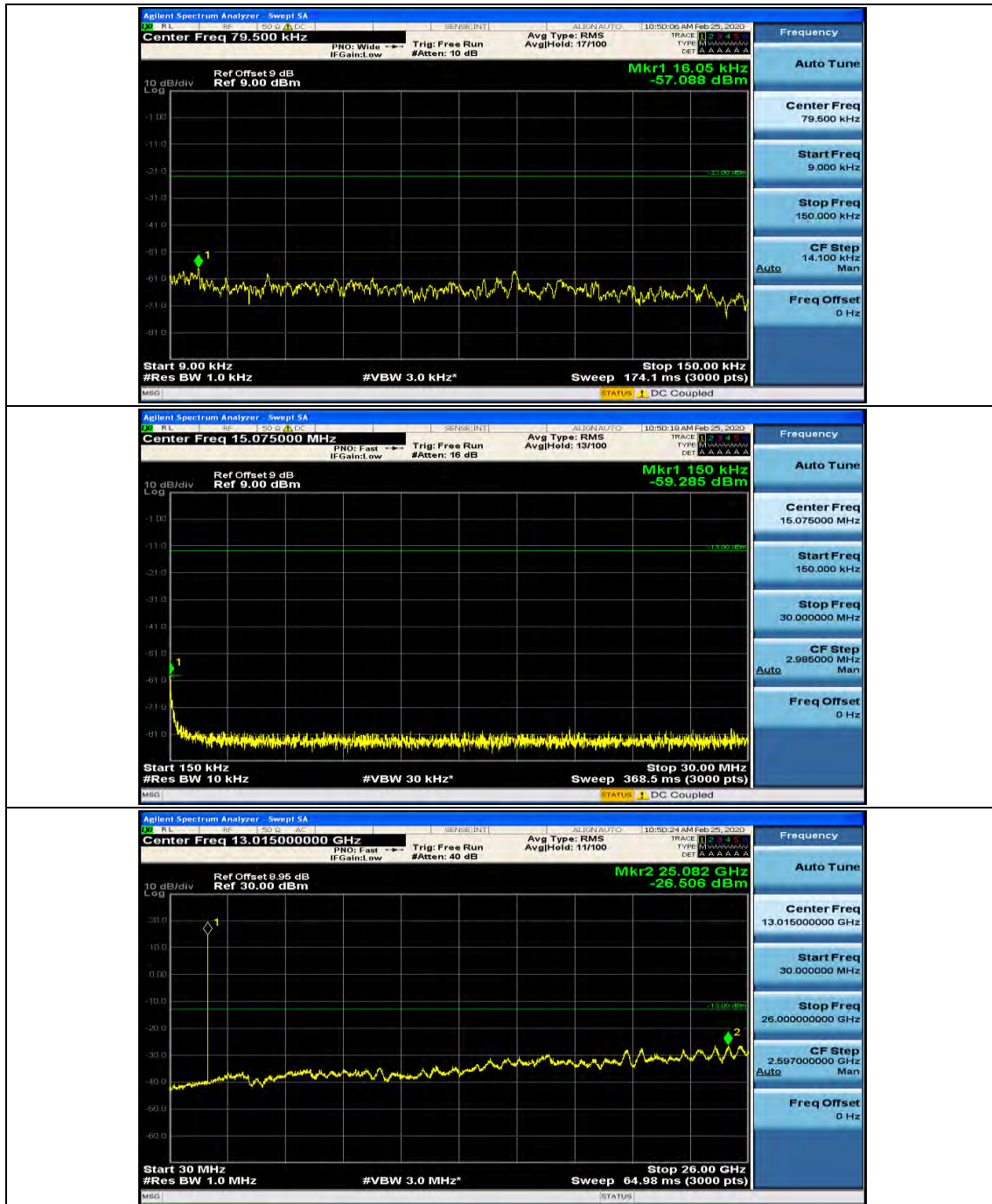


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	1.9	0.001111	± 2.5	PASS
		VN	TN	0.96	0.000561	± 2.5	PASS
		VH	TN	-0.36	-0.000210	± 2.5	PASS
	MCH	VL	TN	-1.14	-0.000658	± 2.5	PASS
		VN	TN	2.04	0.001177	± 2.5	PASS
		VH	TN	2.47	0.001426	± 2.5	PASS
	HCH	VL	TN	-0.18	-0.000103	± 2.5	PASS
		VN	TN	-1.99	-0.001134	± 2.5	PASS
		VH	TN	-1.36	-0.000775	± 2.5	PASS
16QAM	LCH	VL	TN	3.15	0.001841	± 2.5	PASS
		VN	TN	4.6	0.002689	± 2.5	PASS
		VH	TN	3.16	0.001847	± 2.5	PASS
	MCH	VL	TN	1.25	0.000722	± 2.5	PASS
		VN	TN	0.23	0.000133	± 2.5	PASS
		VH	TN	-0.86	-0.000496	± 2.5	PASS
	HCH	VL	TN	1.69	0.000963	± 2.5	PASS
		VN	TN	2.4	0.001368	± 2.5	PASS
		VH	TN	-1.32	-0.000752	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.53	-0.000894	± 2.5	PASS
		VN	-20	-1.38	-0.000807	± 2.5	PASS
		VN	-10	0.19	0.000111	± 2.5	PASS
		VN	0	-1.13	-0.000661	± 2.5	PASS
		VN	10	-0.94	-0.000549	± 2.5	PASS
		VN	20	-1.99	-0.001163	± 2.5	PASS
		VN	30	-0.29	-0.000170	± 2.5	PASS
		VN	40	-0.41	-0.000240	± 2.5	PASS
		VN	50	1.99	0.001163	± 2.5	PASS
	MCH	VN	-30	-1.28	-0.000739	± 2.5	PASS
		VN	-20	-1.83	-0.001056	± 2.5	PASS

		VN	-10	-1.7	-0.000981	± 2.5	PASS
		VN	0	1.71	0.000987	± 2.5	PASS
		VN	10	-0.1	-0.000058	± 2.5	PASS
		VN	20	4.25	0.002453	± 2.5	PASS
		VN	30	0.89	0.000514	± 2.5	PASS
		VN	40	4.09	0.002361	± 2.5	PASS
		VN	50	-1.78	-0.001027	± 2.5	PASS
	HCH	VN	-30	3.87	0.002206	± 2.5	PASS
		VN	-20	0.12	0.000068	± 2.5	PASS
		VN	-10	1.36	0.000775	± 2.5	PASS
		VN	0	1.07	0.000610	± 2.5	PASS
		VN	10	-1.99	-0.001134	± 2.5	PASS
		VN	20	1.46	0.000832	± 2.5	PASS
		VN	30	1.1	0.000627	± 2.5	PASS
		VN	40	3.52	0.002006	± 2.5	PASS
		VN	50	3.05	0.001739	± 2.5	PASS
16QAM	LCH	VN	-30	2.65	0.001549	± 2.5	PASS
		VN	-20	1.87	0.001093	± 2.5	PASS
		VN	-10	4.86	0.002841	± 2.5	PASS
		VN	0	3.28	0.001917	± 2.5	PASS
		VN	10	1.07	0.000625	± 2.5	PASS
		VN	20	0.85	0.000497	± 2.5	PASS
		VN	30	2.44	0.001426	± 2.5	PASS
		VN	40	-0.4	-0.000234	± 2.5	PASS
		VN	50	-1.5	-0.000877	± 2.5	PASS
	MCH	VN	-30	2.23	0.001271	± 2.5	PASS
		VN	-20	2.11	0.001203	± 2.5	PASS
		VN	-10	3.1	0.001767	± 2.5	PASS
		VN	0	2.3	0.001311	± 2.5	PASS
		VN	10	-1.43	-0.000815	± 2.5	PASS
		VN	20	-1.67	-0.000952	± 2.5	PASS
		VN	30	2.34	0.001334	± 2.5	PASS
		VN	40	3.07	0.001750	± 2.5	PASS
		VN	50	2.78	0.001585	± 2.5	PASS
	HCH	VN	-30	1.54	0.000878	± 2.5	PASS
		VN	-20	2.26	0.001288	± 2.5	PASS
		VN	-10	-0.64	-0.000365	± 2.5	PASS
		VN	0	1.74	0.000992	± 2.5	PASS
		VN	10	3.69	0.002103	± 2.5	PASS
		VN	20	-1.57	-0.000895	± 2.5	PASS
		VN	30	-0.42	-0.000239	± 2.5	PASS

		VN	40	0.74	0.000422	± 2.5	PASS
		VN	50	0.34	0.000194	± 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	1.9	0.001110	± 2.5	PASS
		VN	TN	3.89	0.002273	± 2.5	PASS
		VH	TN	1.78	0.001040	± 2.5	PASS
	MCH	VL	TN	1.05	0.000606	± 2.5	PASS
		VN	TN	1.63	0.000941	± 2.5	PASS
		VH	TN	4.42	0.002551	± 2.5	PASS
	HCH	VL	TN	0.26	0.000148	± 2.5	PASS
		VN	TN	2.18	0.001243	± 2.5	PASS
		VH	TN	1.18	0.000673	± 2.5	PASS
16QAM	LCH	VL	TN	3.27	0.001911	± 2.5	PASS
		VN	TN	4.62	0.002699	± 2.5	PASS
		VH	TN	-0.9	-0.000526	± 2.5	PASS
	MCH	VL	TN	3	0.001732	± 2.5	PASS
		VN	TN	4.15	0.002395	± 2.5	PASS
		VH	TN	3.5	0.002020	± 2.5	PASS
	HCH	VL	TN	2.26	0.001289	± 2.5	PASS
		VN	TN	4.59	0.002618	± 2.5	PASS
		VH	TN	2.28	0.001300	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.14	0.002419	± 2.5	PASS
		VN	-20	1.28	0.000748	± 2.5	PASS
		VN	-10	4.67	0.002729	± 2.5	PASS
		VN	0	-1.79	-0.001046	± 2.5	PASS
		VN	10	1.95	0.001139	± 2.5	PASS
		VN	20	-1.89	-0.001104	± 2.5	PASS
		VN	30	-0.65	-0.000380	± 2.5	PASS
		VN	40	2.74	0.001601	± 2.5	PASS
		VN	50	2.96	0.001729	± 2.5	PASS
	MCH	VN	-30	-0.44	-0.000254	± 2.5	PASS
		VN	-20	3.47	0.002003	± 2.5	PASS
		VN	-10	3.52	0.002032	± 2.5	PASS

		VN	0	2.17	0.001253	± 2.5	PASS
		VN	10	0.4	0.000231	± 2.5	PASS
		VN	20	0.24	0.000139	± 2.5	PASS
		VN	30	1.74	0.001004	± 2.5	PASS
		VN	40	0.03	0.000017	± 2.5	PASS
		VN	50	1.36	0.000785	± 2.5	PASS
	HCH	VN	-30	0.34	0.000194	± 2.5	PASS
		VN	-20	0.82	0.000468	± 2.5	PASS
		VN	-10	-0.26	-0.000148	± 2.5	PASS
		VN	0	3.88	0.002213	± 2.5	PASS
		VN	10	4.75	0.002709	± 2.5	PASS
		VN	20	-0.52	-0.000297	± 2.5	PASS
		VN	30	-1.2	-0.000684	± 2.5	PASS
		VN	40	0.25	0.000143	± 2.5	PASS
		VN	50	0.13	0.000074	± 2.5	PASS
16QAM	LCH	VN	-30	2.85	0.001645	± 2.5	PASS
		VN	-20	1	0.000577	± 2.5	PASS
		VN	-10	-0.22	-0.000127	± 2.5	PASS
		VN	0	4.41	0.002545	± 2.5	PASS
		VN	10	-1.78	-0.001027	± 2.5	PASS
		VN	20	1.72	0.000993	± 2.5	PASS
		VN	30	3.83	0.002211	± 2.5	PASS
		VN	40	2.36	0.001362	± 2.5	PASS
		VN	50	0.52	0.000300	± 2.5	PASS
	MCH	VN	-30	0.31	0.000177	± 2.5	PASS
		VN	-20	4.04	0.002304	± 2.5	PASS
		VN	-10	3.84	0.002190	± 2.5	PASS
		VN	0	1.36	0.000776	± 2.5	PASS
		VN	10	-0.09	-0.000051	± 2.5	PASS
		VN	20	0.54	0.000308	± 2.5	PASS
		VN	30	3.06	0.001745	± 2.5	PASS
		VN	40	1.1	0.000627	± 2.5	PASS
		VN	50	0.97	0.000553	± 2.5	PASS
	HCH	VN	-30	2.4	0.001369	± 2.5	PASS
		VN	-20	-1.84	-0.001049	± 2.5	PASS
		VN	-10	-0.1	-0.000057	± 2.5	PASS
		VN	0	2.01	0.001146	± 2.5	PASS
		VN	10	4.59	0.002618	± 2.5	PASS
		VN	20	4.4	0.002509	± 2.5	PASS
		VN	30	-1.65	-0.000941	± 2.5	PASS
		VN	40	4.57	0.002606	± 2.5	PASS

		VN	50	0.09	0.000051	± 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	4.52	0.002639	± 2.5	PASS
		VN	TN	-0.1	-0.000058	± 2.5	PASS
		VH	TN	1.42	0.000829	± 2.5	PASS
	MCH	VL	TN	1.99	0.001149	± 2.5	PASS
		VN	TN	2.87	0.001657	± 2.5	PASS
		VH	TN	4.19	0.002418	± 2.5	PASS
	HCH	VL	TN	0.52	0.000297	± 2.5	PASS
		VN	TN	0.05	0.000029	± 2.5	PASS
		VH	TN	0.35	0.000200	± 2.5	PASS
16QAM	LCH	VL	TN	1.81	0.001057	± 2.5	PASS
		VN	TN	1.1	0.000642	± 2.5	PASS
		VH	TN	0.8	0.000467	± 2.5	PASS
	MCH	VL	TN	2.46	0.001420	± 2.5	PASS
		VN	TN	0.84	0.000485	± 2.5	PASS
		VH	TN	-1.6	-0.000924	± 2.5	PASS
	HCH	VL	TN	3.21	0.001832	± 2.5	PASS
		VN	TN	-1	-0.000571	± 2.5	PASS
		VH	TN	-1.28	-0.000730	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.04	0.001191	± 2.5	PASS
		VN	-20	3.36	0.001962	± 2.5	PASS
		VN	-10	4.68	0.002733	± 2.5	PASS
		VN	0	2.25	0.001314	± 2.5	PASS
		VN	10	2.06	0.001203	± 2.5	PASS
		VN	20	3.22	0.001880	± 2.5	PASS
		VN	30	2.37	0.001384	± 2.5	PASS
		VN	40	-0.54	-0.000315	± 2.5	PASS
		VN	50	-0.52	-0.000304	± 2.5	PASS
	MCH	VN	-30	1.72	0.000993	± 2.5	PASS
		VN	-20	2.63	0.001518	± 2.5	PASS
		VN	-10	0.18	0.000104	± 2.5	PASS
		VN	0	-0.55	-0.000317	± 2.5	PASS

		VN	10	1.48	0.000854	± 2.5	PASS
		VN	20	1.2	0.000693	± 2.5	PASS
		VN	30	0.86	0.000496	± 2.5	PASS
		VN	40	3.34	0.001928	± 2.5	PASS
		VN	50	2.43	0.001403	± 2.5	PASS
	HCH	VN	-30	0.63	0.000359	± 2.5	PASS
		VN	-20	2.65	0.001389	± 2.5	PASS
		VN	-10	0.56	0.000294	± 2.5	PASS
		VN	0	-0.6	-0.000315	± 2.5	PASS
		VN	10	2.85	0.001494	± 2.5	PASS
		VN	20	-1.64	-0.000860	± 2.5	PASS
		VN	30	-0.13	-0.000068	± 2.5	PASS
		VN	40	3.95	0.002071	± 2.5	PASS
		VN	50	1.32	0.000692	± 2.5	PASS
16QAM	LCH	VN	-30	2.42	0.001397	± 2.5	PASS
		VN	-20	4.03	0.002326	± 2.5	PASS
		VN	-10	2.41	0.001391	± 2.5	PASS
		VN	0	-1.06	-0.000612	± 2.5	PASS
		VN	10	4.44	0.002563	± 2.5	PASS
		VN	20	-0.78	-0.000450	± 2.5	PASS
		VN	30	0.97	0.000560	± 2.5	PASS
		VN	40	2.74	0.001582	± 2.5	PASS
		VN	50	1.35	0.000779	± 2.5	PASS
	MCH	VN	-30	3.6	0.002054	± 2.5	PASS
		VN	-20	-1.22	-0.000696	± 2.5	PASS
		VN	-10	3.74	0.002134	± 2.5	PASS
		VN	0	2.31	0.001318	± 2.5	PASS
		VN	10	3.17	0.001809	± 2.5	PASS
		VN	20	1.69	0.000964	± 2.5	PASS
		VN	30	0.17	0.000097	± 2.5	PASS
		VN	40	1.11	0.000633	± 2.5	PASS
		VN	50	0.83	0.000474	± 2.5	PASS
	HCH	VN	-30	3.36	0.001761	± 2.5	PASS
		VN	-20	1.16	0.000608	± 2.5	PASS
		VN	-10	1.17	0.000613	± 2.5	PASS
		VN	0	0.07	0.000037	± 2.5	PASS
		VN	10	1.34	0.000702	± 2.5	PASS
		VN	20	0.5	0.000262	± 2.5	PASS
		VN	30	3.54	0.001856	± 2.5	PASS
		VN	40	3.49	0.001830	± 2.5	PASS
		VN	50	3.75	0.001966	± 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	3.63	0.002117	± 2.5	PASS
		VN	TN	4.59	0.002676	± 2.5	PASS
		VH	TN	0.7	0.000408	± 2.5	PASS
	MCH	VL	TN	-1.42	-0.000820	± 2.5	PASS
		VN	TN	4.77	0.002753	± 2.5	PASS
		VH	TN	-1.74	-0.001004	± 2.5	PASS
	HCH	VL	TN	0.99	0.000566	± 2.5	PASS
		VN	TN	2.66	0.001520	± 2.5	PASS
		VH	TN	3.52	0.002011	± 2.5	PASS
16QAM	LCH	VL	TN	1.73	0.001009	± 2.5	PASS
		VN	TN	-1.98	-0.001155	± 2.5	PASS
		VH	TN	0.49	0.000286	± 2.5	PASS
	MCH	VL	TN	-1.27	-0.000733	± 2.5	PASS
		VN	TN	2.97	0.001714	± 2.5	PASS
		VH	TN	0.76	0.000439	± 2.5	PASS
	HCH	VL	TN	-1.88	-0.001074	± 2.5	PASS
		VN	TN	0.83	0.000474	± 2.5	PASS
		VH	TN	-1.95	-0.001114	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.28	0.001329	± 2.5	PASS
		VN	-20	0.5	0.000292	± 2.5	PASS
		VN	-10	-1.16	-0.000676	± 2.5	PASS
		VN	0	-0.98	-0.000571	± 2.5	PASS
		VN	10	2.21	0.001289	± 2.5	PASS
		VN	20	2.95	0.001720	± 2.5	PASS
		VN	30	3.04	0.001773	± 2.5	PASS
		VN	40	2.21	0.001289	± 2.5	PASS
		VN	50	4.3	0.002507	± 2.5	PASS
	MCH	VN	-30	3.29	0.001899	± 2.5	PASS
		VN	-20	2.11	0.001218	± 2.5	PASS
		VN	-10	0.01	0.000006	± 2.5	PASS
		VN	0	-1.57	-0.000906	± 2.5	PASS
		VN	10	4.36	0.002517	± 2.5	PASS
		VN	20	0.78	0.000450	± 2.5	PASS

		VN	30	3.48	0.002009	± 2.5	PASS
		VN	40	1.44	0.000831	± 2.5	PASS
		VN	50	0.64	0.000369	± 2.5	PASS
	HCH	VN	-30	-0.29	-0.000166	± 2.5	PASS
		VN	-20	4.38	0.002503	± 2.5	PASS
		VN	-10	-0.67	-0.000383	± 2.5	PASS
		VN	0	-0.55	-0.000314	± 2.5	PASS
		VN	10	-1.3	-0.000743	± 2.5	PASS
		VN	20	3.94	0.002251	± 2.5	PASS
		VN	30	1.78	0.001017	± 2.5	PASS
		VN	40	1.73	0.000989	± 2.5	PASS
		VN	50	-0.43	-0.000246	± 2.5	PASS
QPSK	LCH	VN	-30	-1.5	-0.000866	± 2.5	PASS
		VN	-20	4.21	0.002430	± 2.5	PASS
		VN	-10	0.63	0.000364	± 2.5	PASS
		VN	0	3.96	0.002286	± 2.5	PASS
		VN	10	3.98	0.002297	± 2.5	PASS
		VN	20	-0.33	-0.000190	± 2.5	PASS
		VN	30	1.21	0.000698	± 2.5	PASS
		VN	40	2.93	0.001691	± 2.5	PASS
		VN	50	3.61	0.002084	± 2.5	PASS
	MCH	VN	-30	2.69	0.001537	± 2.5	PASS
		VN	-20	4.57	0.002611	± 2.5	PASS
		VN	-10	4.32	0.002469	± 2.5	PASS
		VN	0	-1.03	-0.000589	± 2.5	PASS
		VN	10	-0.5	-0.000286	± 2.5	PASS
		VN	20	-1.02	-0.000583	± 2.5	PASS
		VN	30	4.08	0.002331	± 2.5	PASS
		VN	40	1.72	0.000983	± 2.5	PASS
		VN	50	4.31	0.002463	± 2.5	PASS
	HCH	VN	-30	1.29	0.000737	± 2.5	PASS
		VN	-20	0.8	0.000457	± 2.5	PASS
		VN	-10	-0.57	-0.000326	± 2.5	PASS
		VN	0	-1.85	-0.001057	± 2.5	PASS
		VN	10	3.43	0.001960	± 2.5	PASS
		VN	20	3.53	0.002017	± 2.5	PASS
		VN	30	-1.46	-0.000834	± 2.5	PASS
		VN	40	-0.84	-0.000480	± 2.5	PASS
		VN	50	0.15	0.000086	± 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	3.37	0.001962	± 2.5	PASS
		VN	TN	0.06	0.000035	± 2.5	PASS
		VH	TN	3.66	0.002131	± 2.5	PASS
	MCH	VL	TN	3.19	0.001841	± 2.5	PASS
		VN	TN	3.2	0.001847	± 2.5	PASS
		VH	TN	1.87	0.001079	± 2.5	PASS
	HCH	VL	TN	2.62	0.001499	± 2.5	PASS
		VN	TN	1.66	0.000950	± 2.5	PASS
		VH	TN	-0.21	-0.000120	± 2.5	PASS
16QAM	LCH	VL	TN	3.35	0.001951	± 2.5	PASS
		VN	TN	1.34	0.000780	± 2.5	PASS
		VH	TN	-1.28	-0.000745	± 2.5	PASS
	MCH	VL	TN	4.27	0.002465	± 2.5	PASS
		VN	TN	0.87	0.000502	± 2.5	PASS
		VH	TN	4.89	0.002823	± 2.5	PASS
	HCH	VL	TN	-1.67	-0.000956	± 2.5	PASS
		VN	TN	3.44	0.001969	± 2.5	PASS
		VH	TN	1.64	0.000938	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.29	0.001916	± 2.5	PASS
		VN	-20	2.56	0.001491	± 2.5	PASS
		VN	-10	4.49	0.002614	± 2.5	PASS
		VN	0	2.88	0.001677	± 2.5	PASS
		VN	10	4.41	0.002568	± 2.5	PASS
		VN	20	1.53	0.000891	± 2.5	PASS
		VN	30	4.23	0.002463	± 2.5	PASS
		VN	40	3.67	0.002137	± 2.5	PASS
		VN	50	3.98	0.002317	± 2.5	PASS
	MCH	VN	-30	1.31	0.000756	± 2.5	PASS
		VN	-20	3.34	0.001928	± 2.5	PASS
		VN	-10	4.71	0.002719	± 2.5	PASS
		VN	0	-0.62	-0.000358	± 2.5	PASS
		VN	10	1.07	0.000618	± 2.5	PASS
		VN	20	2.68	0.001547	± 2.5	PASS

		VN	30	-0.44	-0.000254	± 2.5	PASS
		VN	40	2.52	0.001455	± 2.5	PASS
		VN	50	1.45	0.000837	± 2.5	PASS
	HCH	VN	-30	2.52	0.001442	± 2.5	PASS
		VN	-20	-0.32	-0.000183	± 2.5	PASS
		VN	-10	4.31	0.002466	± 2.5	PASS
		VN	0	0.26	0.000149	± 2.5	PASS
		VN	10	0.45	0.000258	± 2.5	PASS
		VN	20	4.11	0.002352	± 2.5	PASS
		VN	30	-0.87	-0.000498	± 2.5	PASS
		VN	40	4.87	0.002787	± 2.5	PASS
		VN	50	-1.09	-0.000624	± 2.5	PASS
16QAM	LCH	VN	-30	2.23	0.001287	± 2.5	PASS
		VN	-20	3.77	0.002176	± 2.5	PASS
		VN	-10	-1.16	-0.000670	± 2.5	PASS
		VN	0	1.04	0.000600	± 2.5	PASS
		VN	10	-1.74	-0.001004	± 2.5	PASS
		VN	20	-1.73	-0.000999	± 2.5	PASS
		VN	30	-1.65	-0.000952	± 2.5	PASS
		VN	40	-0.75	-0.000433	± 2.5	PASS
		VN	50	2.03	0.001172	± 2.5	PASS
	MCH	VN	-30	2.02	0.001156	± 2.5	PASS
		VN	-20	1.59	0.000910	± 2.5	PASS
		VN	-10	1.75	0.001001	± 2.5	PASS
		VN	0	-0.7	-0.000401	± 2.5	PASS
		VN	10	2.64	0.001511	± 2.5	PASS
		VN	20	-0.03	-0.000017	± 2.5	PASS
		VN	30	-0.9	-0.000515	± 2.5	PASS
		VN	40	0.51	0.000292	± 2.5	PASS
		VN	50	4.33	0.002478	± 2.5	PASS
	HCH	VN	-30	-0.47	-0.000269	± 2.5	PASS
		VN	-20	4.98	0.002850	± 2.5	PASS
		VN	-10	3.23	0.001848	± 2.5	PASS
		VN	0	-0.01	-0.000006	± 2.5	PASS
		VN	10	0.32	0.000183	± 2.5	PASS
		VN	20	1.07	0.000612	± 2.5	PASS
		VN	30	1.24	0.000710	± 2.5	PASS
		VN	40	0.97	0.000555	± 2.5	PASS
		VN	50	4.61	0.002638	± 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	1.8	0.001047	± 2.5	PASS
		VN	TN	0.52	0.000302	± 2.5	PASS
		VH	TN	4.26	0.002477	± 2.5	PASS
	MCH	VL	TN	0.87	0.000502	± 2.5	PASS
		VN	TN	4.24	0.002447	± 2.5	PASS
		VH	TN	0.94	0.000543	± 2.5	PASS
	HCH	VL	TN	0.48	0.000275	± 2.5	PASS
		VN	TN	0.45	0.000258	± 2.5	PASS
		VH	TN	1.23	0.000705	± 2.5	PASS
16QAM	LCH	VL	TN	1.85	0.001076	± 2.5	PASS
		VN	TN	0.68	0.000395	± 2.5	PASS
		VH	TN	1.11	0.000645	± 2.5	PASS
	MCH	VL	TN	-0.06	-0.000035	± 2.5	PASS
		VN	TN	1	0.000577	± 2.5	PASS
		VH	TN	0.39	0.000225	± 2.5	PASS
	HCH	VL	TN	-1.97	-0.001129	± 2.5	PASS
		VN	TN	2.43	0.001393	± 2.5	PASS
		VH	TN	3.69	0.002115	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.14	0.001244	± 2.5	PASS
		VN	-20	4.83	0.002808	± 2.5	PASS
		VN	-10	2.81	0.001634	± 2.5	PASS
		VN	0	2.19	0.001273	± 2.5	PASS
		VN	10	-1.48	-0.000860	± 2.5	PASS
		VN	20	3.89	0.002262	± 2.5	PASS
		VN	30	-0.58	-0.000337	± 2.5	PASS
		VN	40	4.3	0.002500	± 2.5	PASS
		VN	50	0.02	0.000012	± 2.5	PASS
	MCH	VN	-30	-1.83	-0.001056	± 2.5	PASS
		VN	-20	4.85	0.002799	± 2.5	PASS
		VN	-10	0.34	0.000196	± 2.5	PASS
		VN	0	1.98	0.001143	± 2.5	PASS
		VN	10	1.21	0.000698	± 2.5	PASS
		VN	20	-1.81	-0.001045	± 2.5	PASS

		VN	30	0.77	0.000444	± 2.5	PASS
		VN	40	4.18	0.002413	± 2.5	PASS
		VN	50	-0.06	-0.000035	± 2.5	PASS
	HCH	VN	-30	0.75	0.000430	± 2.5	PASS
		VN	-20	2.92	0.001673	± 2.5	PASS
		VN	-10	2.35	0.001347	± 2.5	PASS
		VN	0	-1.41	-0.000808	± 2.5	PASS
		VN	10	4.06	0.002327	± 2.5	PASS
		VN	20	-0.48	-0.000275	± 2.5	PASS
		VN	30	1.95	0.001117	± 2.5	PASS
		VN	40	2.77	0.001587	± 2.5	PASS
		VN	50	4.76	0.002728	± 2.5	PASS
16QAM	LCH	VN	-30	0.69	0.000398	± 2.5	PASS
		VN	-20	-0.43	-0.000248	± 2.5	PASS
		VN	-10	0.6	0.000346	± 2.5	PASS
		VN	0	3.21	0.001853	± 2.5	PASS
		VN	10	0.79	0.000456	± 2.5	PASS
		VN	20	1.6	0.000924	± 2.5	PASS
		VN	30	0.16	0.000092	± 2.5	PASS
		VN	40	3.98	0.002297	± 2.5	PASS
		VN	50	3.07	0.001772	± 2.5	PASS
	MCH	VN	-30	0.42	0.000241	± 2.5	PASS
		VN	-20	1.67	0.000957	± 2.5	PASS
		VN	-10	-1.53	-0.000877	± 2.5	PASS
		VN	0	-1.62	-0.000928	± 2.5	PASS
		VN	10	2.76	0.001582	± 2.5	PASS
		VN	20	4.16	0.002384	± 2.5	PASS
		VN	30	3.64	0.002086	± 2.5	PASS
		VN	40	-0.25	-0.000143	± 2.5	PASS
		VN	50	3.05	0.001748	± 2.5	PASS
	HCH	VN	-30	2.39	0.001370	± 2.5	PASS
		VN	-20	-1.89	-0.001083	± 2.5	PASS
		VN	-10	0.68	0.000390	± 2.5	PASS
		VN	0	-0.33	-0.000189	± 2.5	PASS
		VN	10	2.18	0.001249	± 2.5	PASS
		VN	20	-0.85	-0.000487	± 2.5	PASS
		VN	30	2.44	0.001398	± 2.5	PASS
		VN	40	0.56	0.000321	± 2.5	PASS
		VN	50	2.89	0.001656	± 2.5	PASS