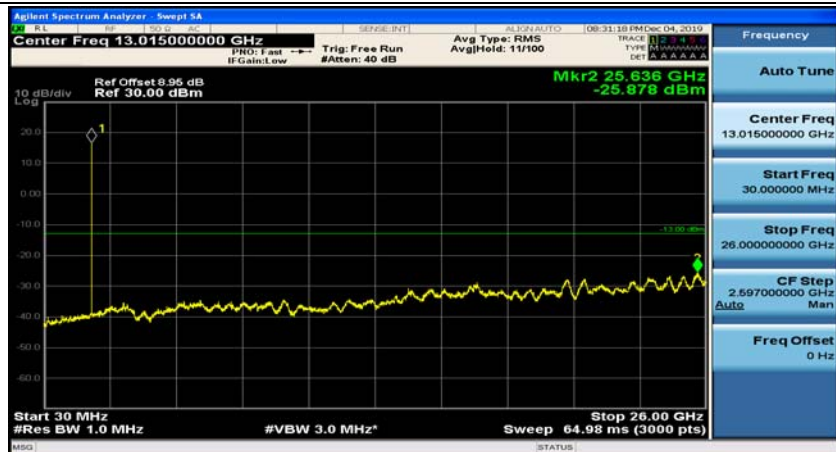
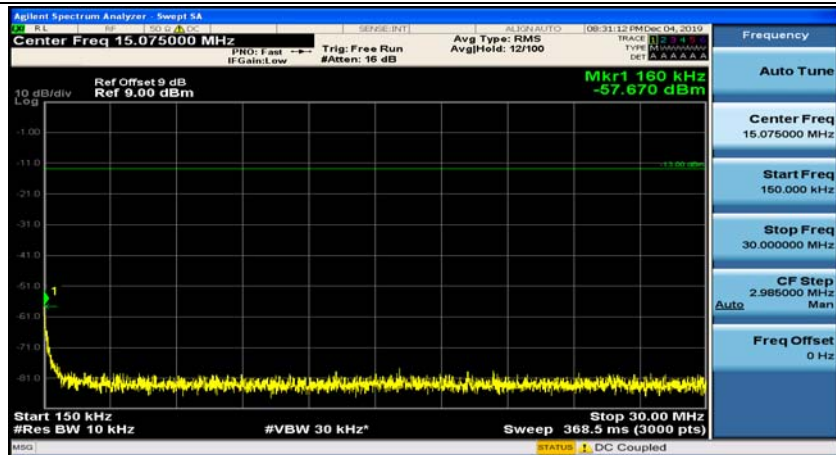
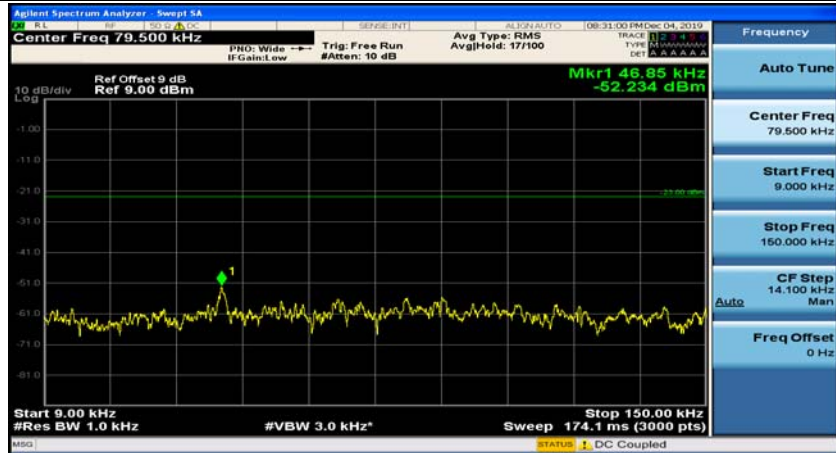
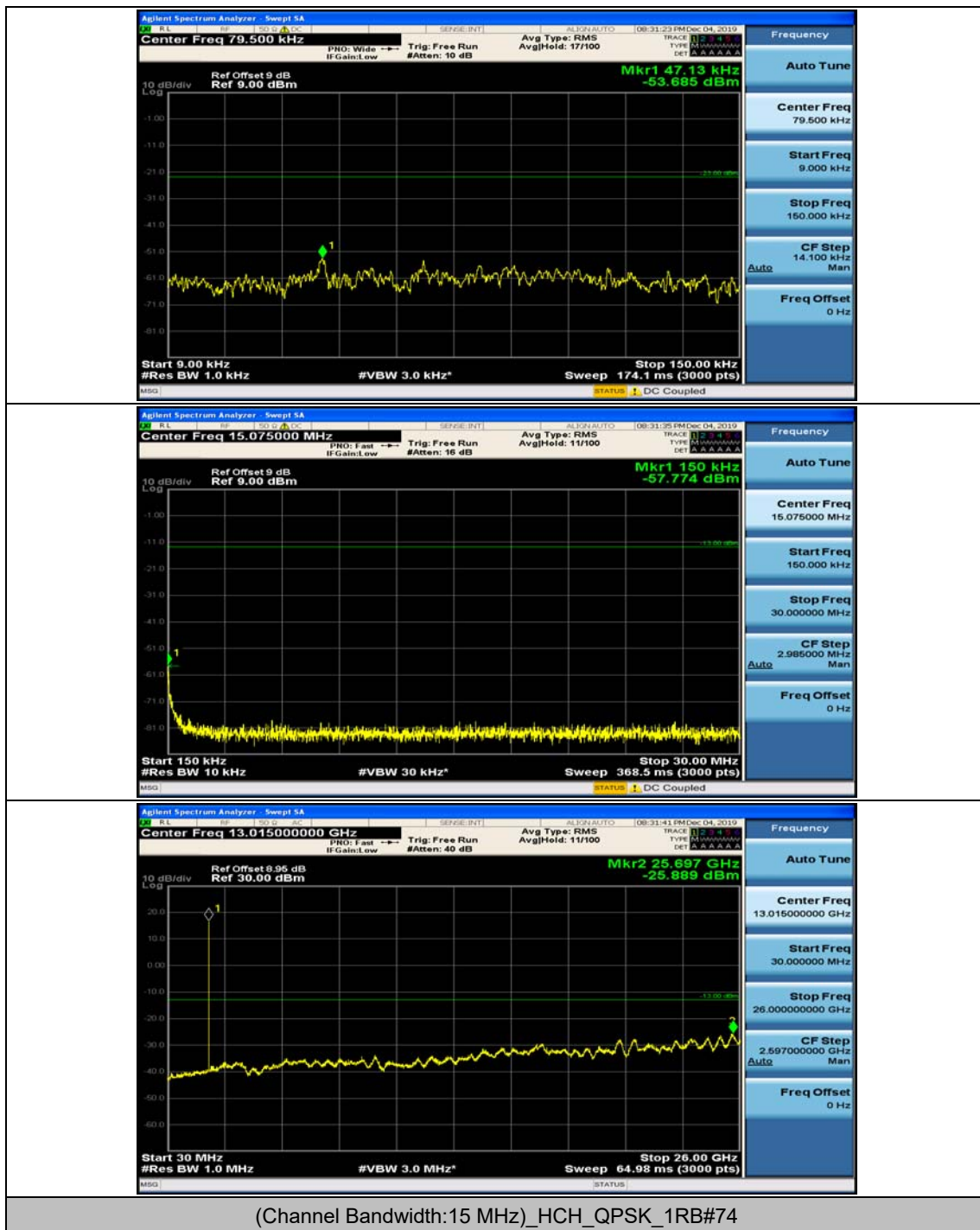
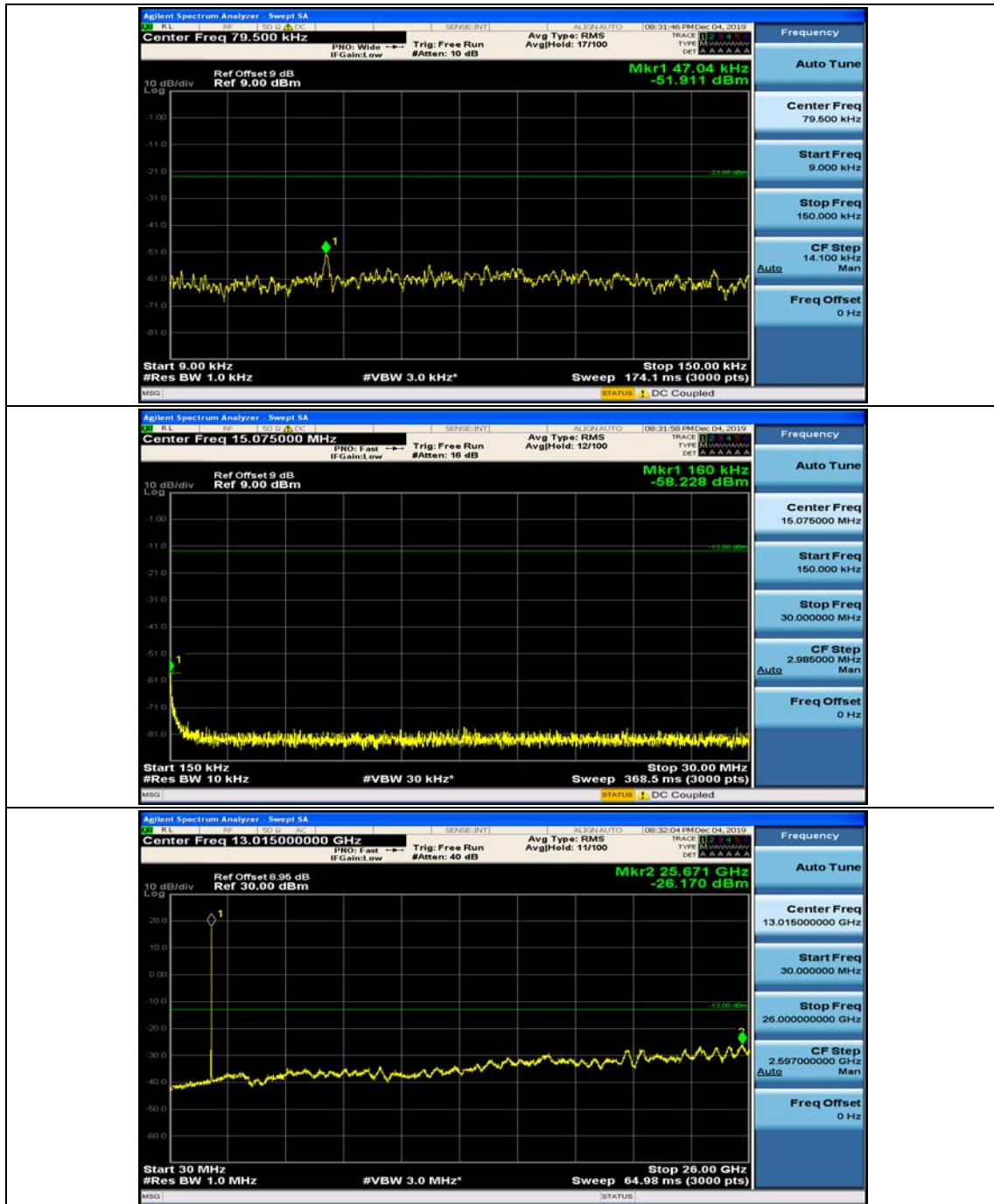


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

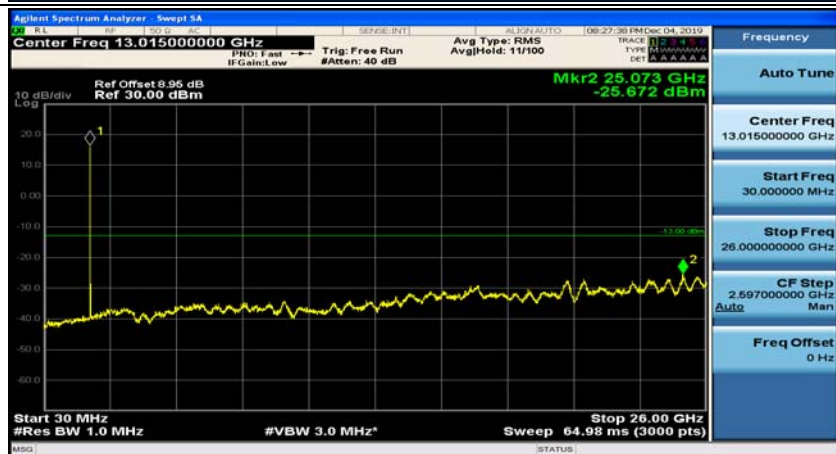
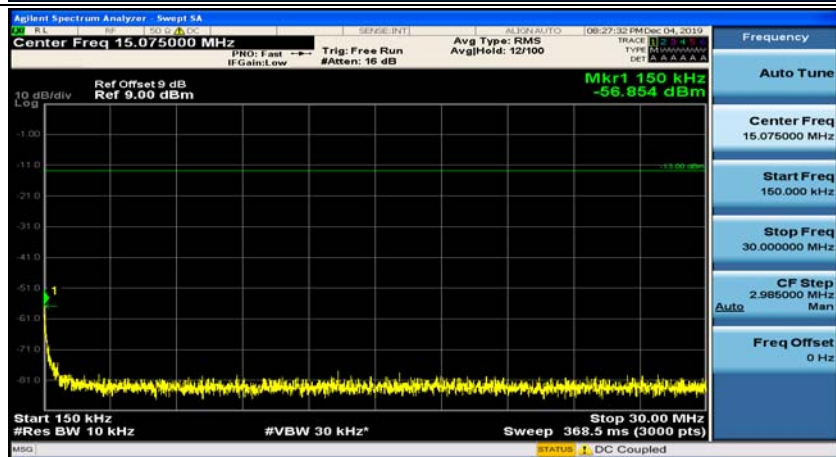


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

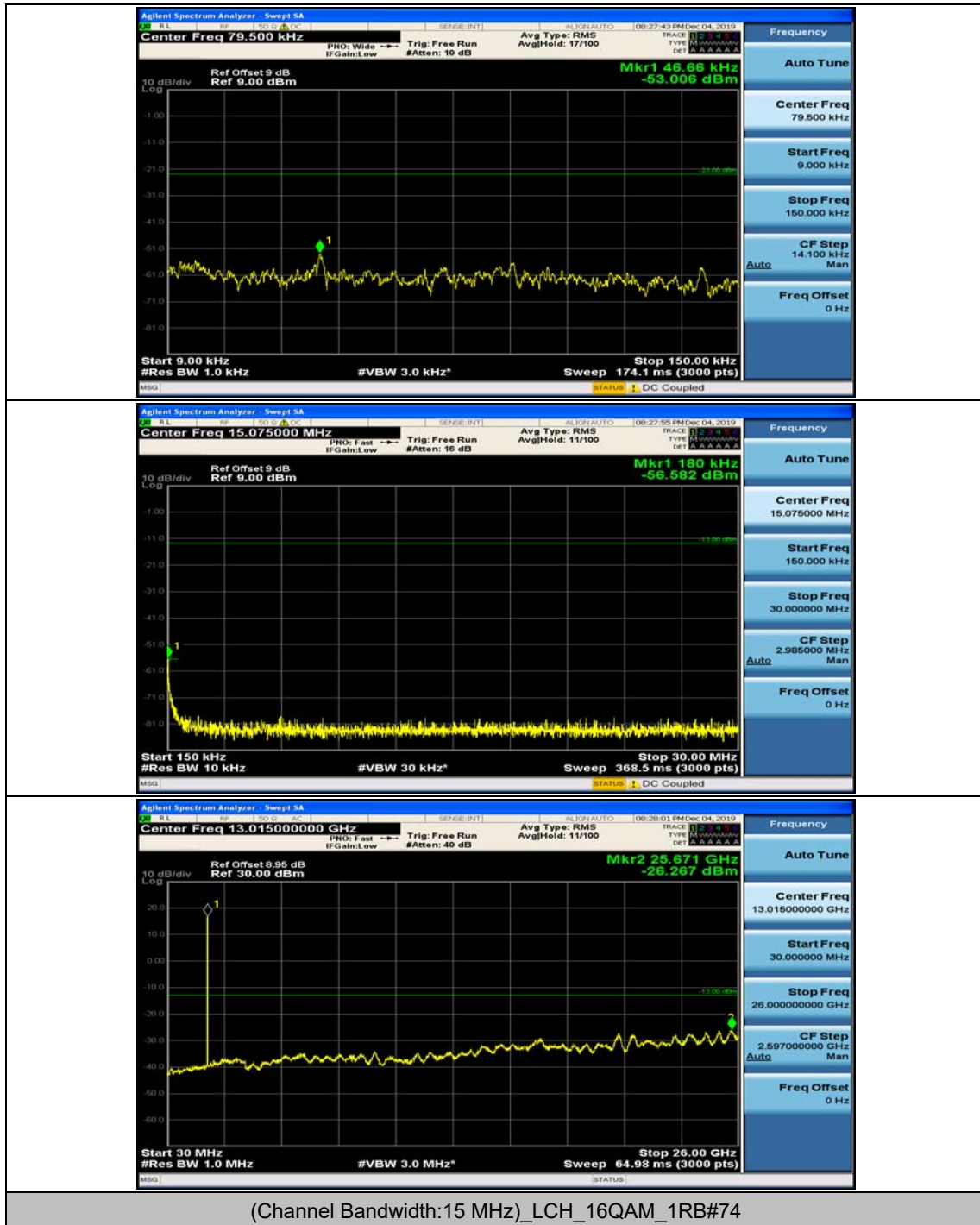


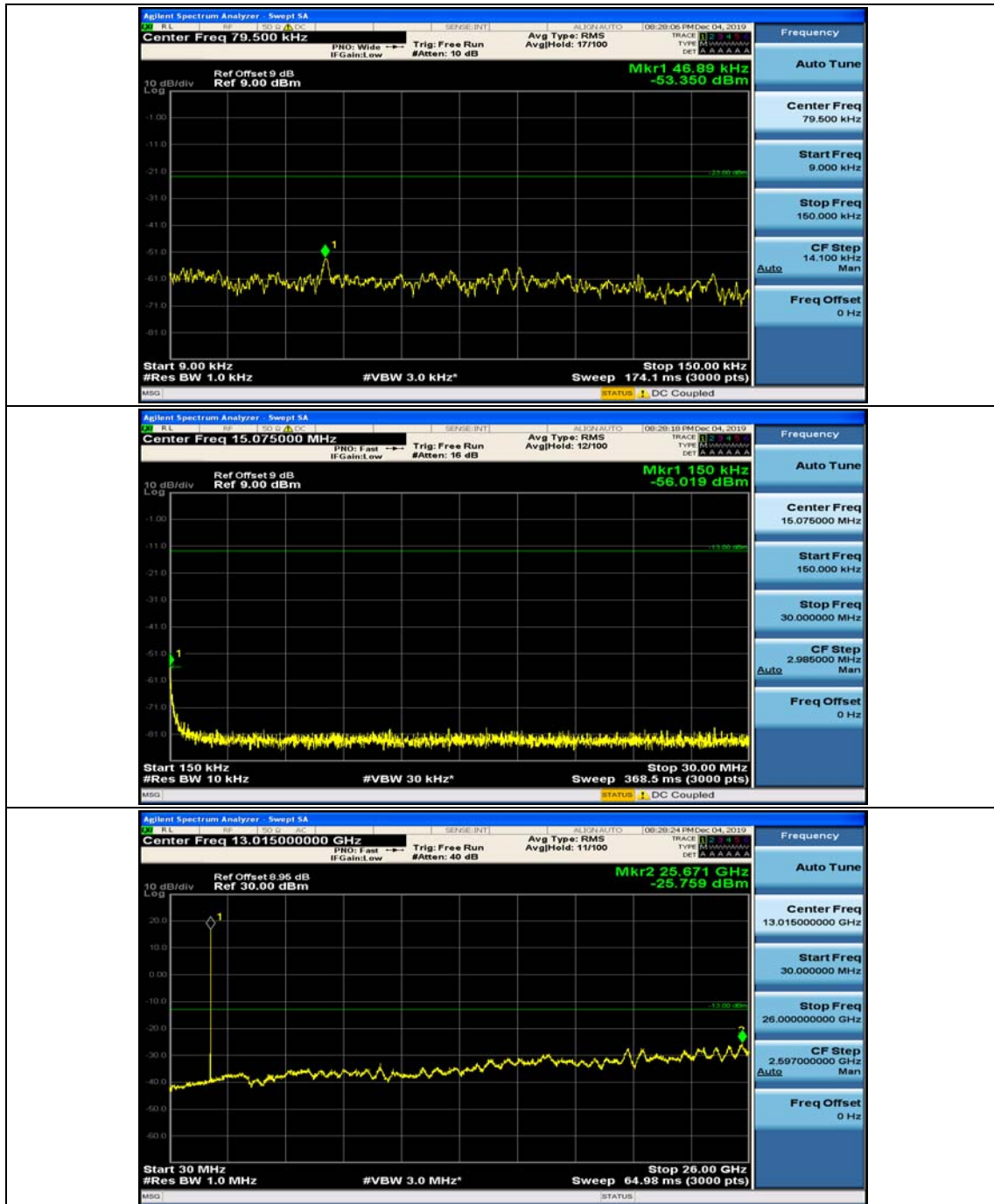


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

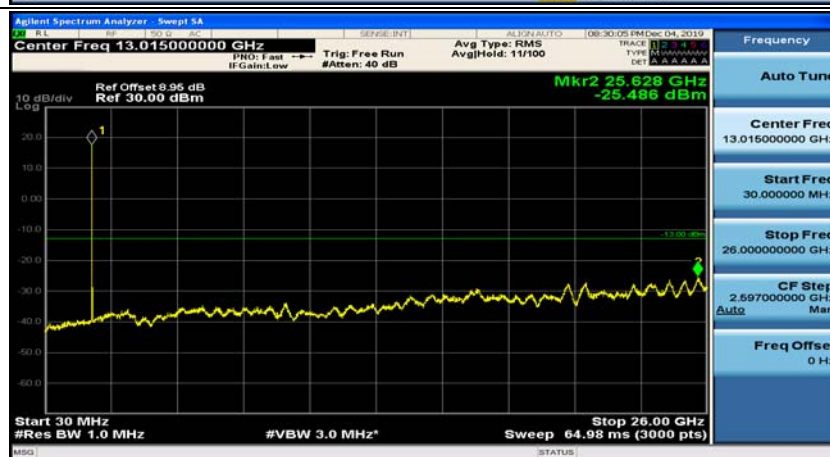
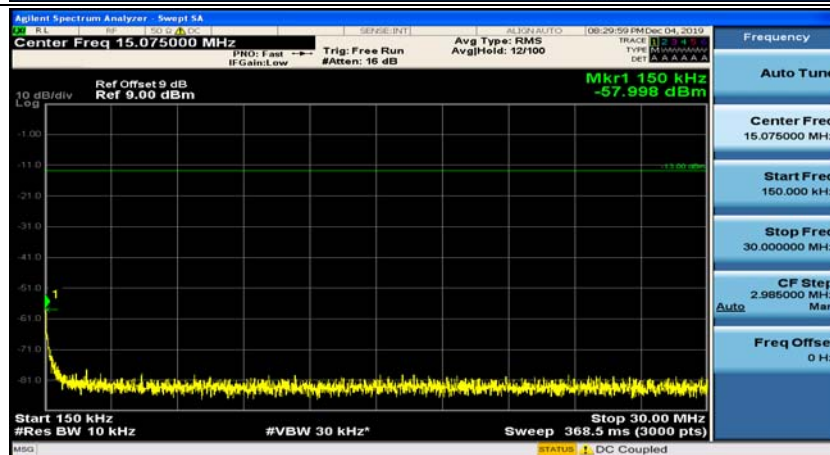
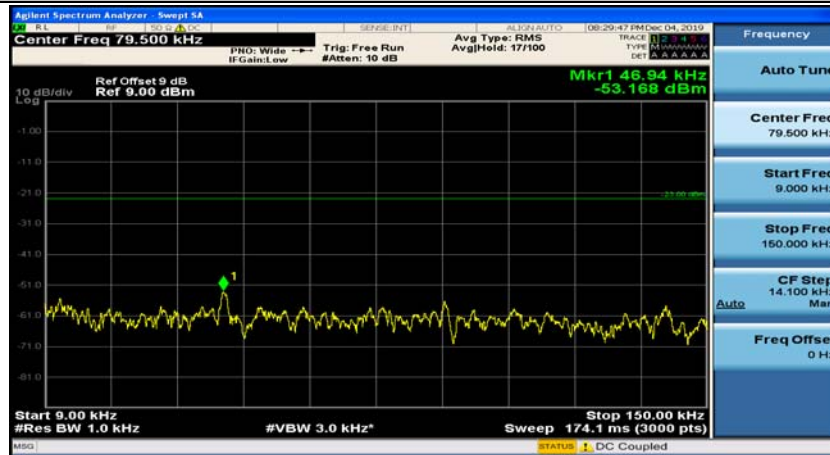


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

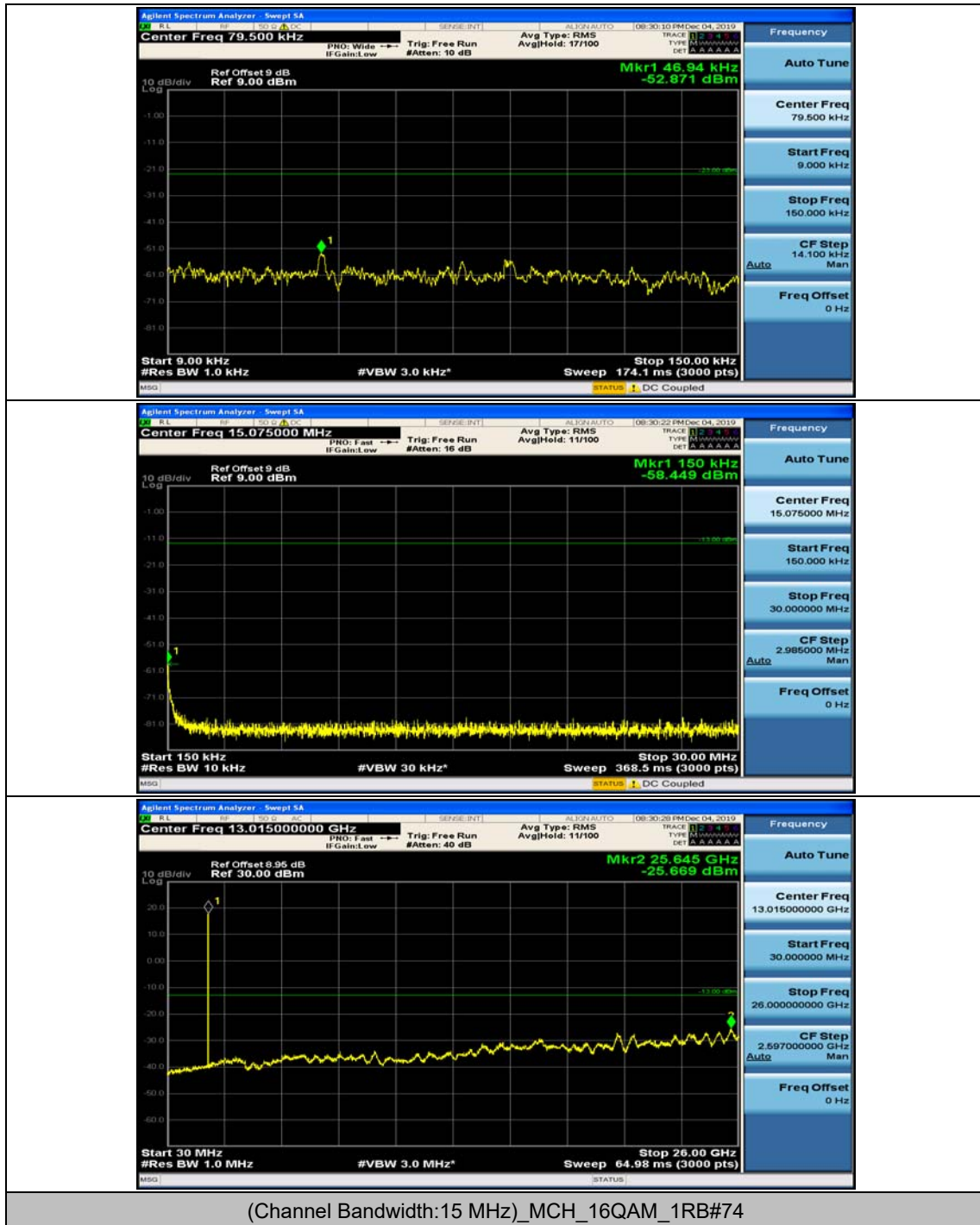


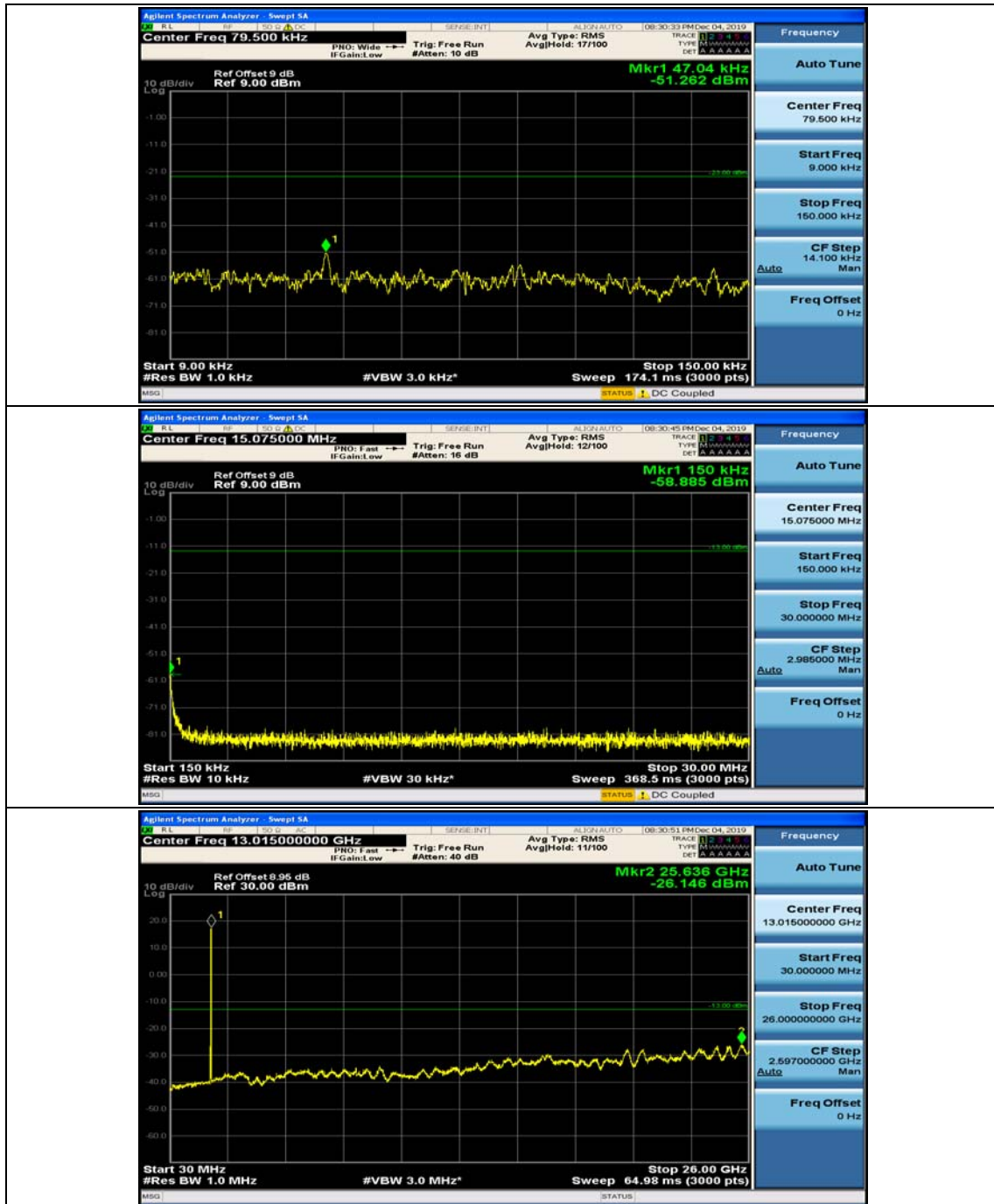


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

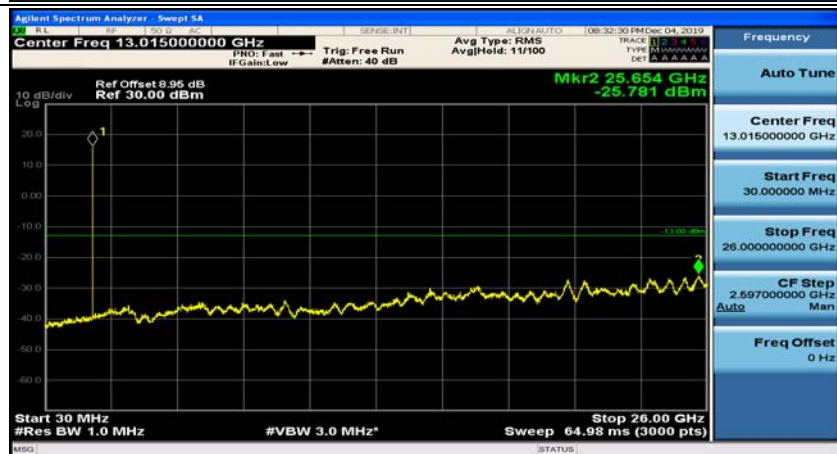
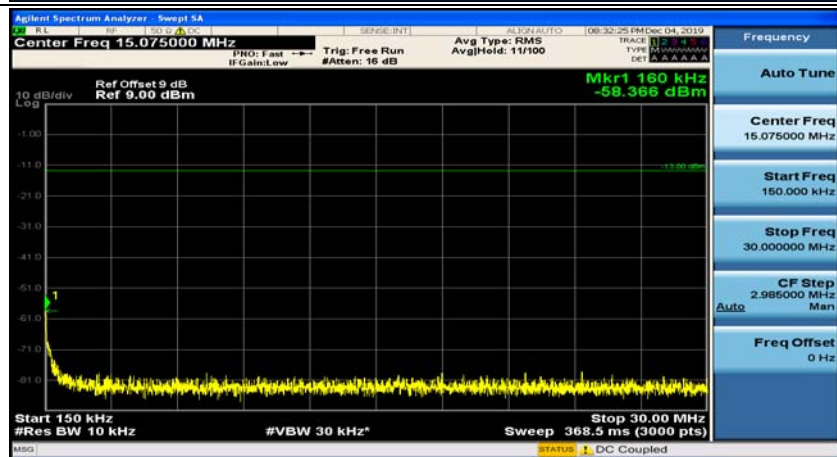


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

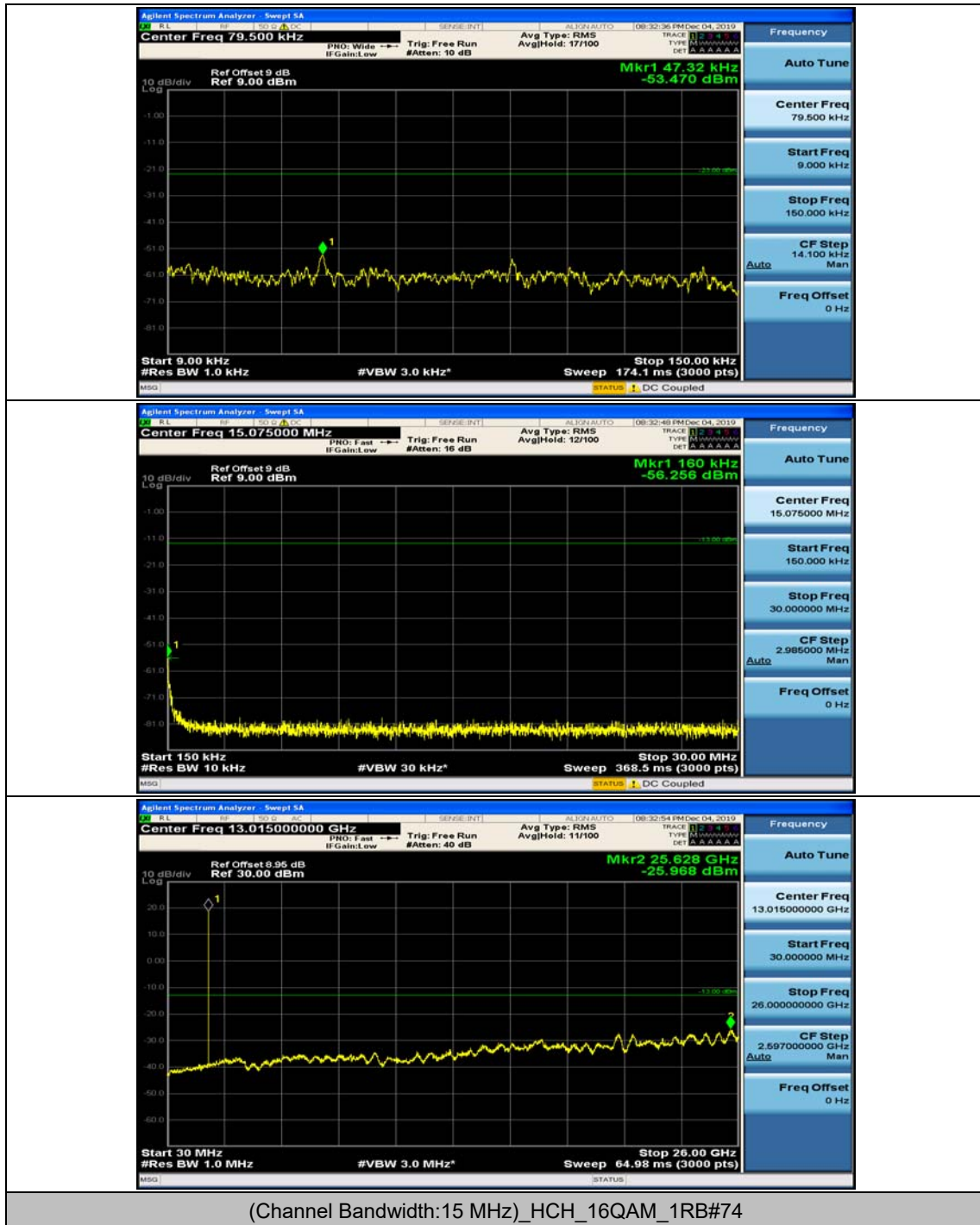


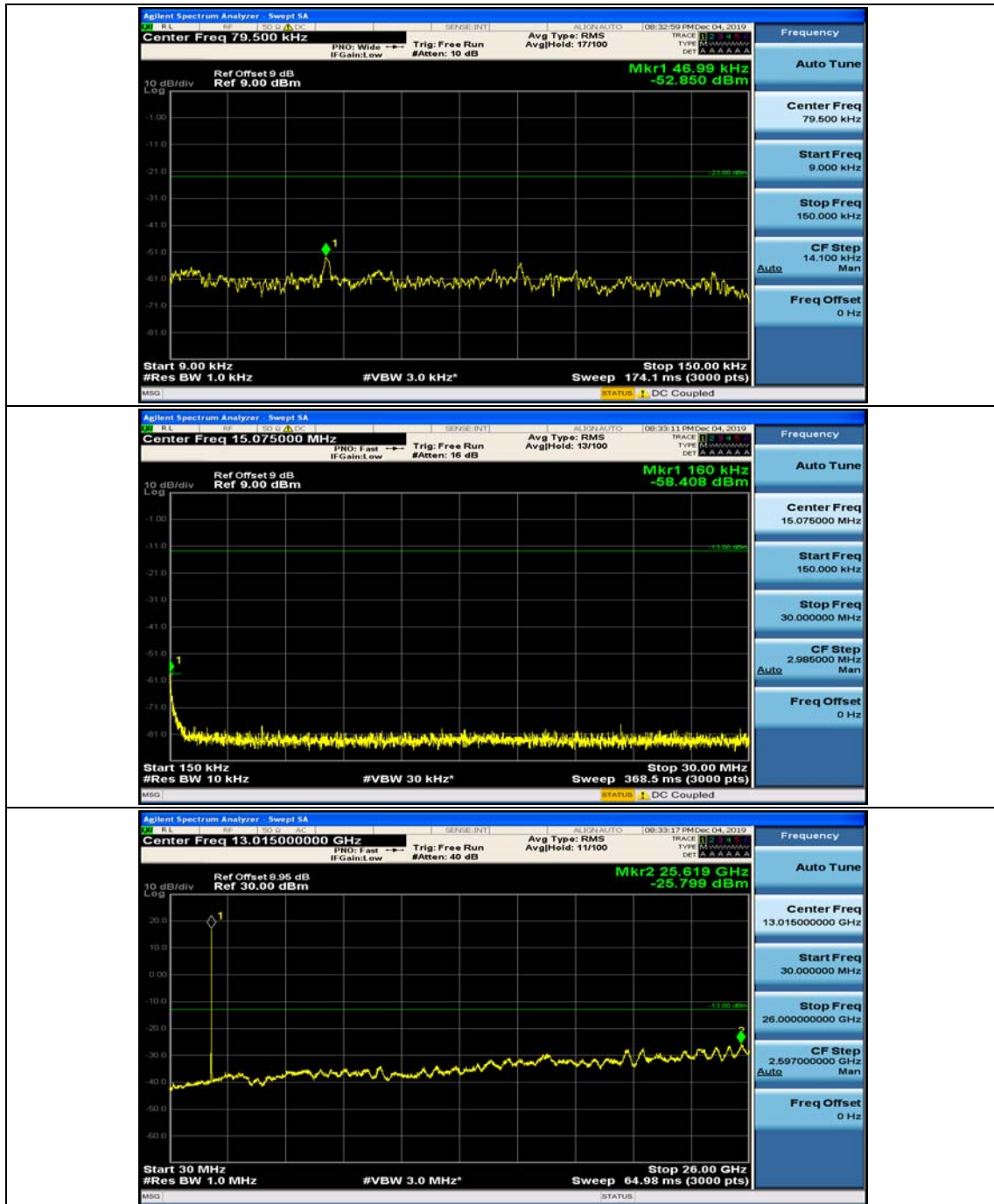


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

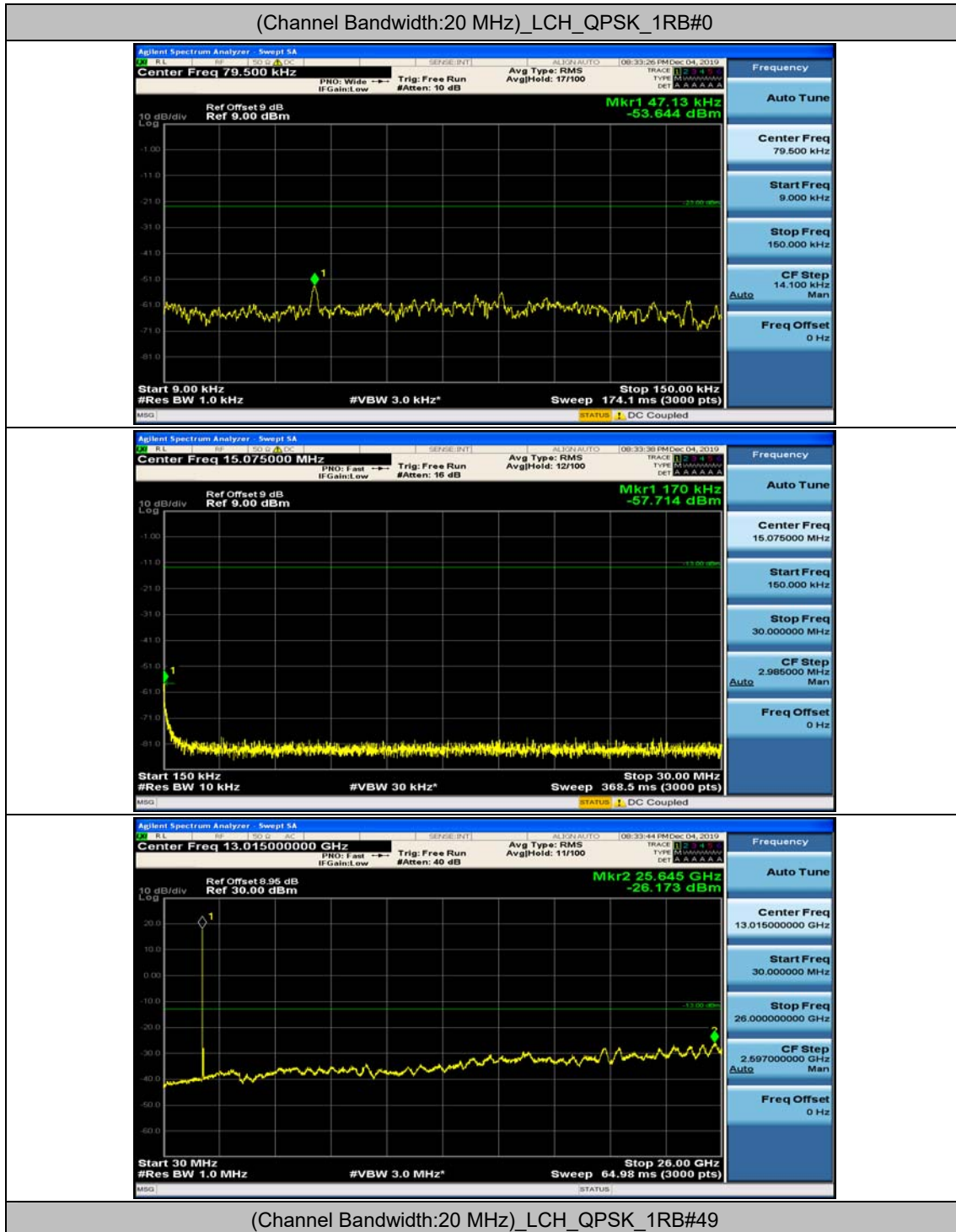


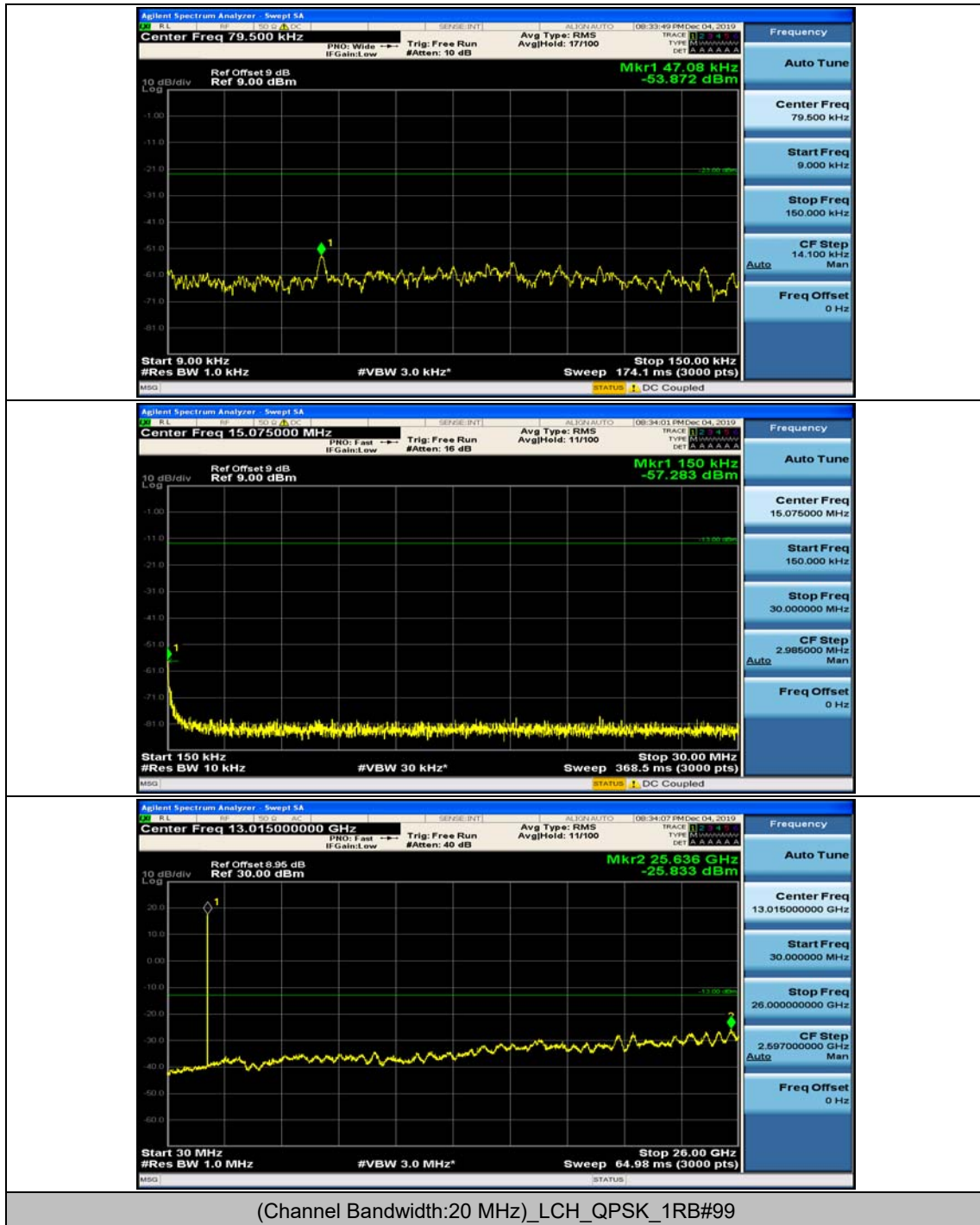
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

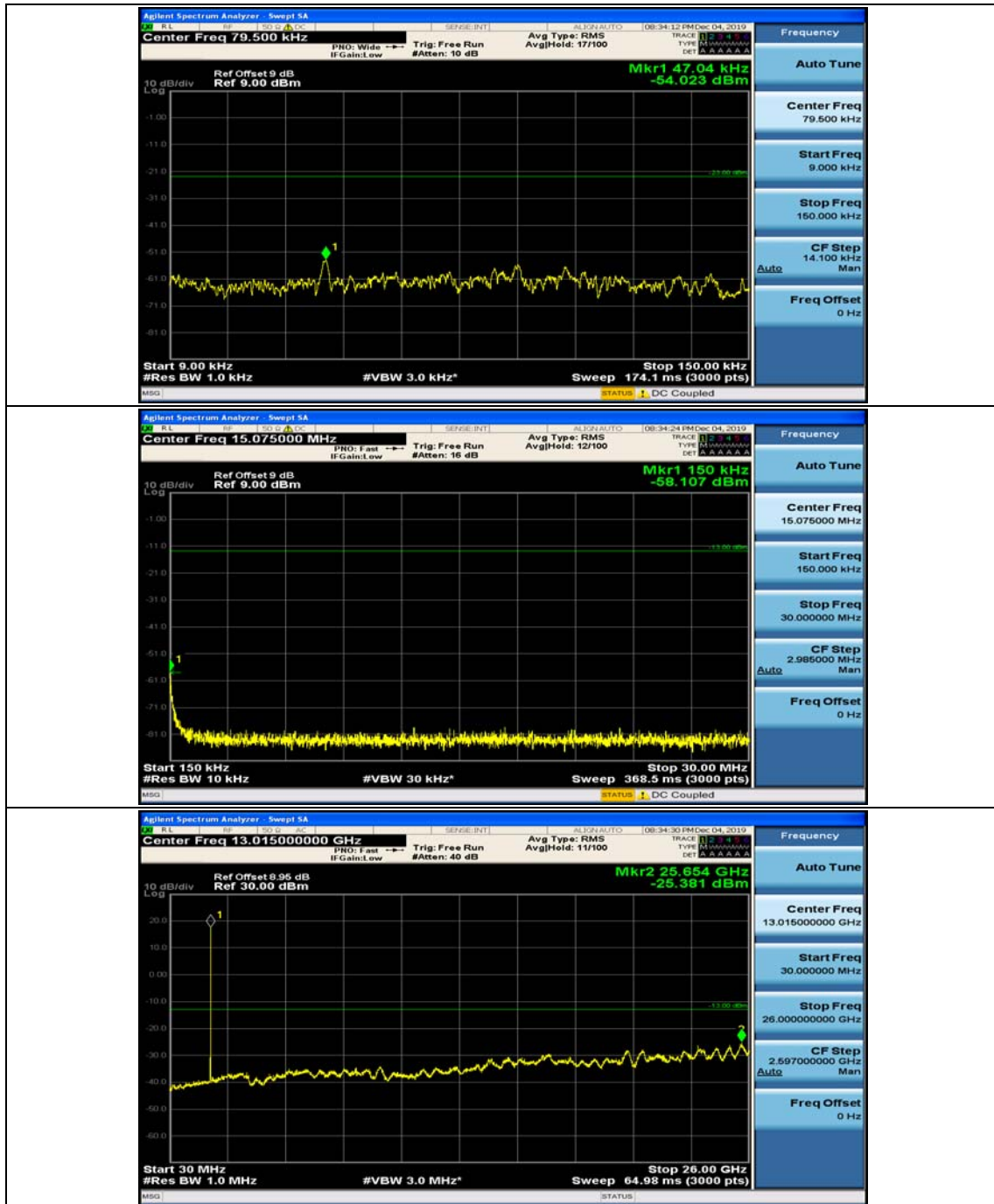




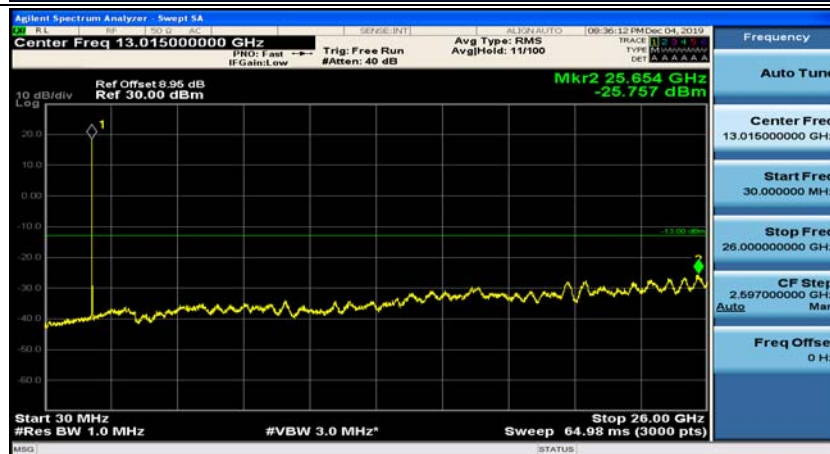
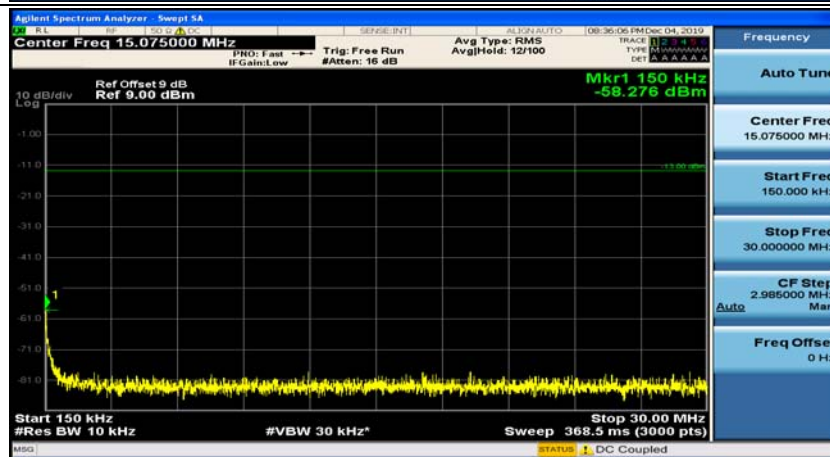
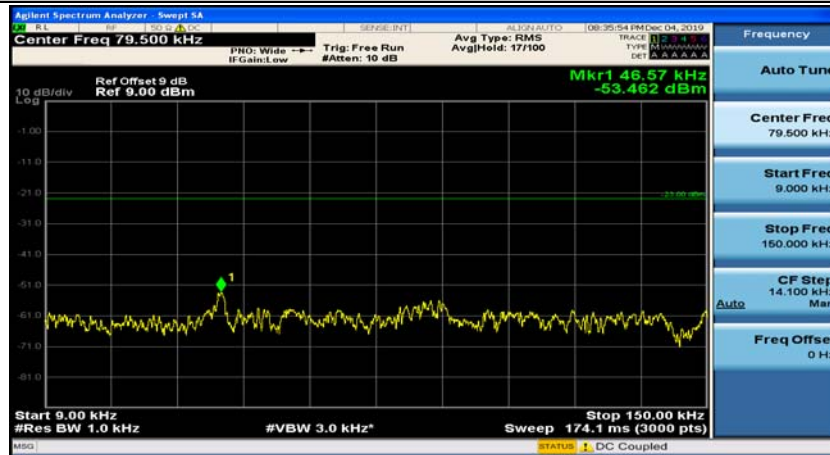
Channel Bandwidth: 20 MHz



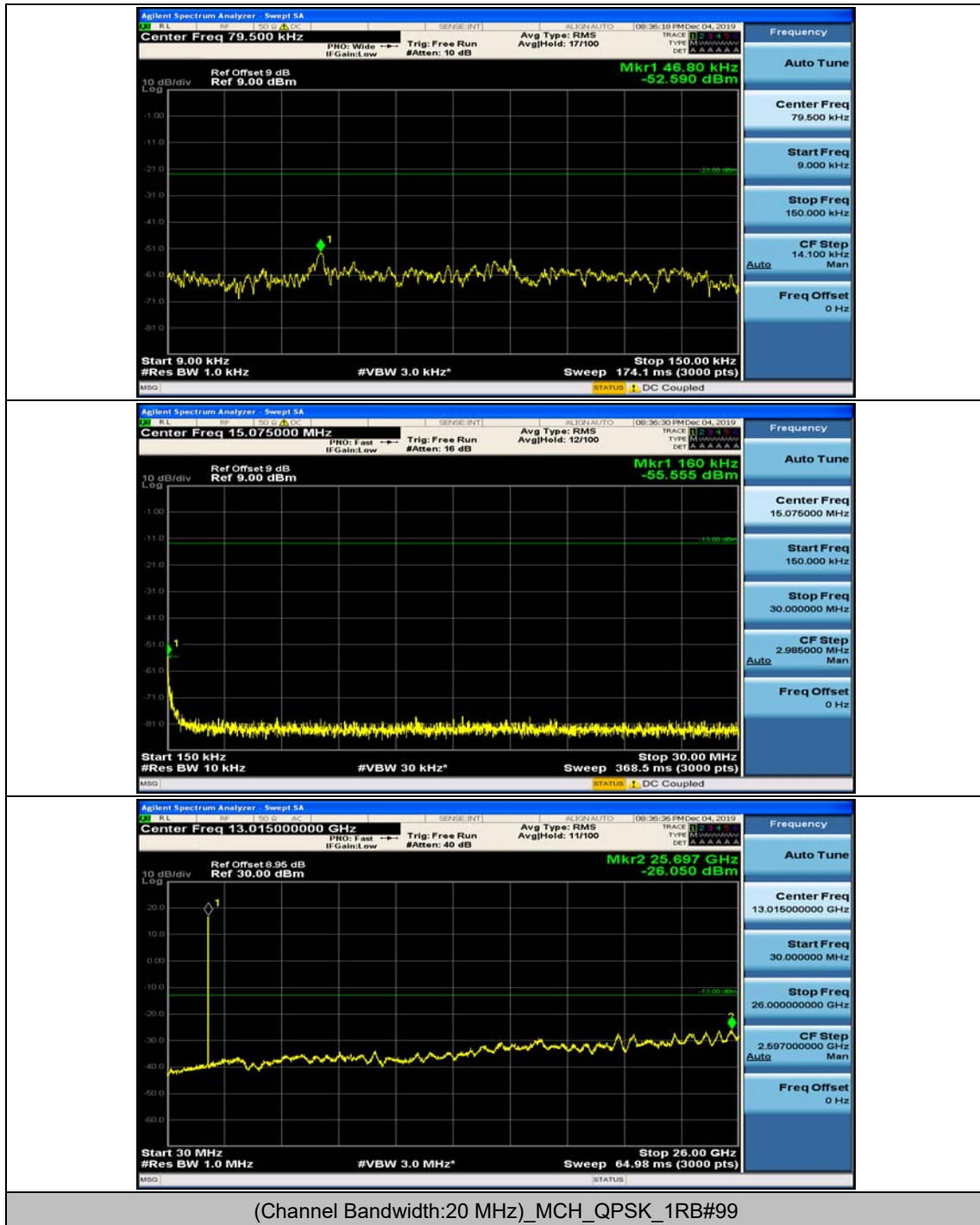


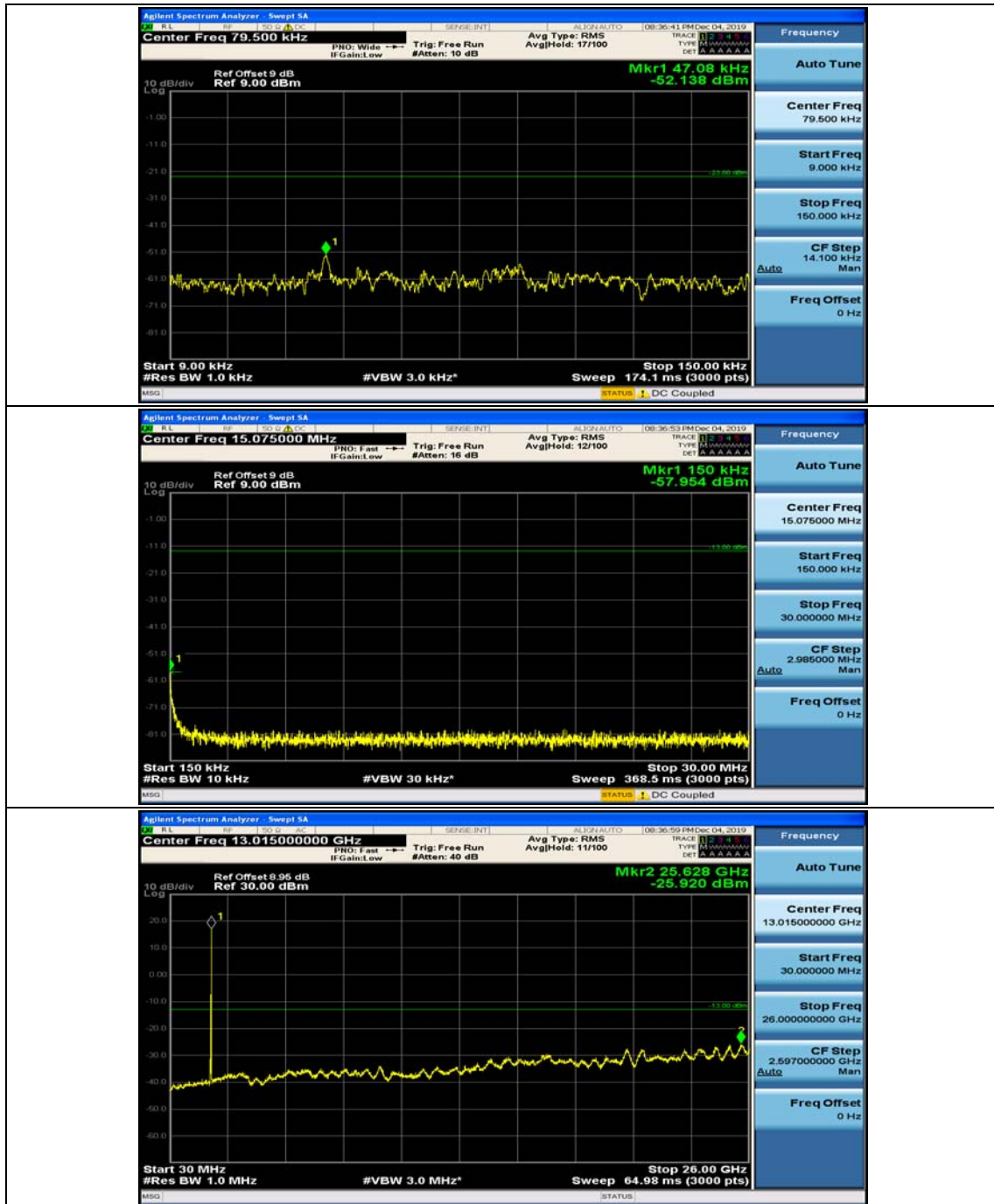


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

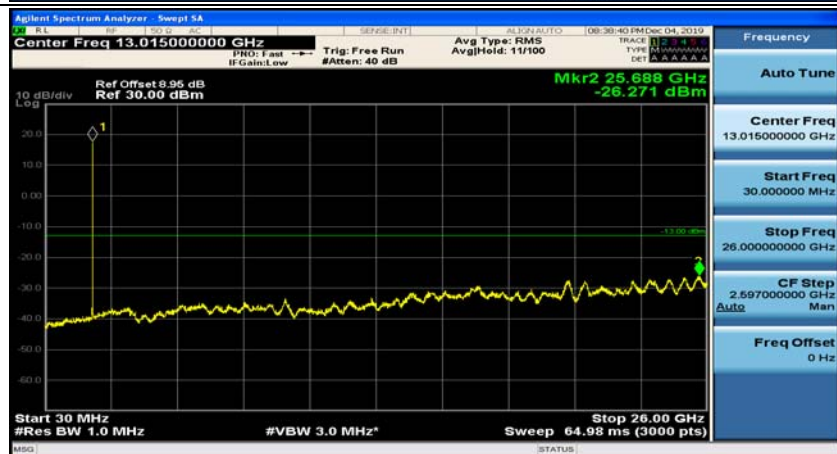
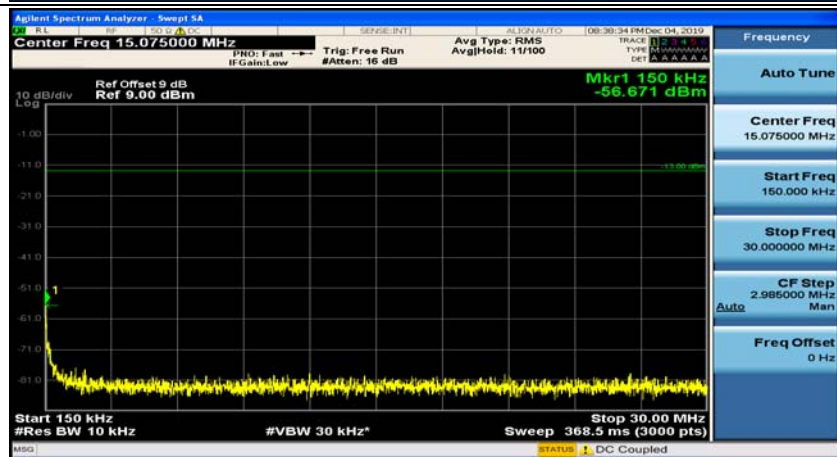


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

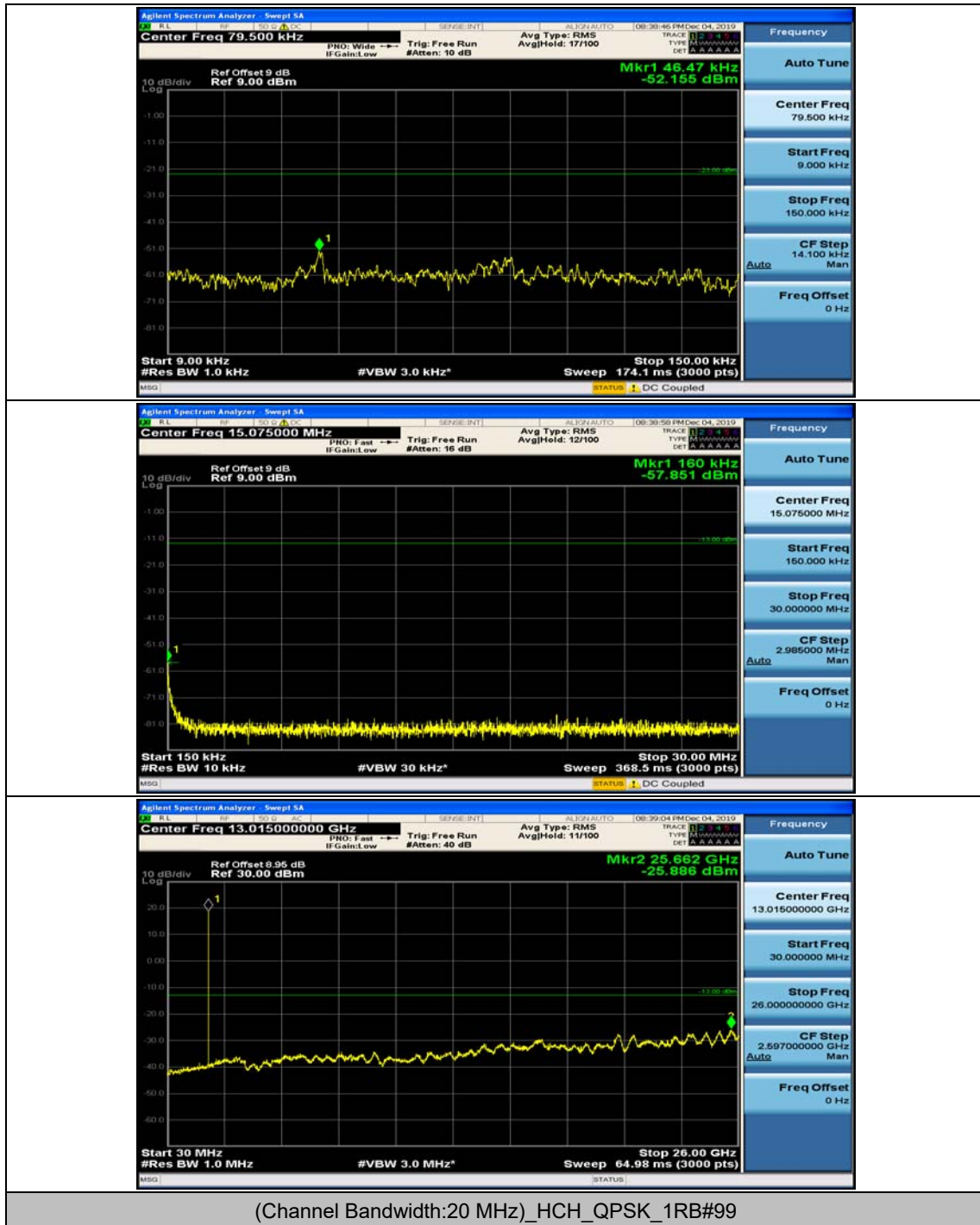


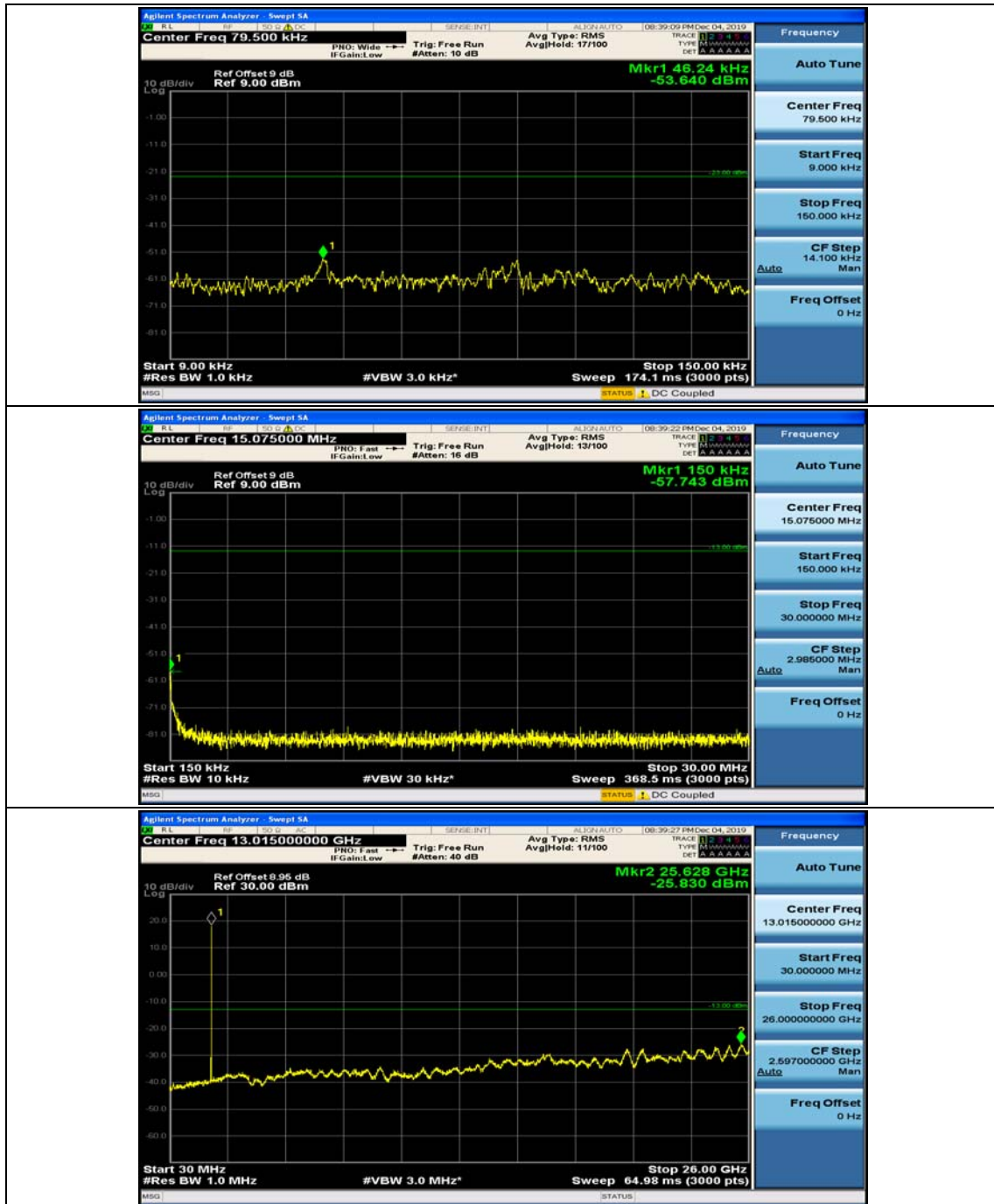


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

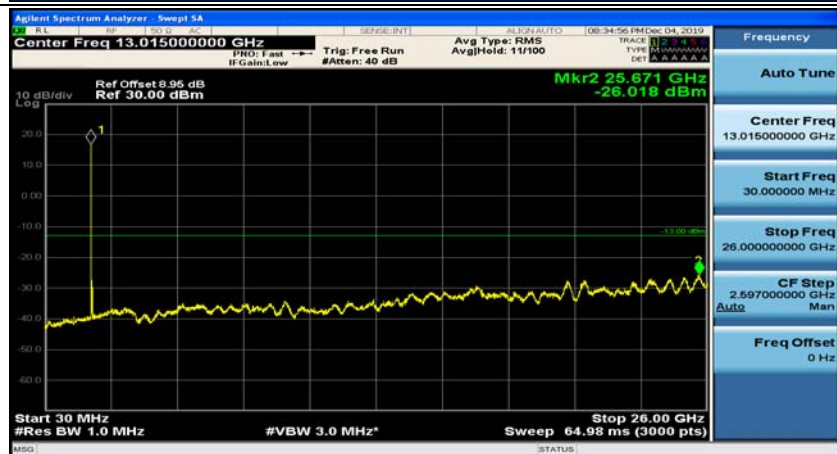
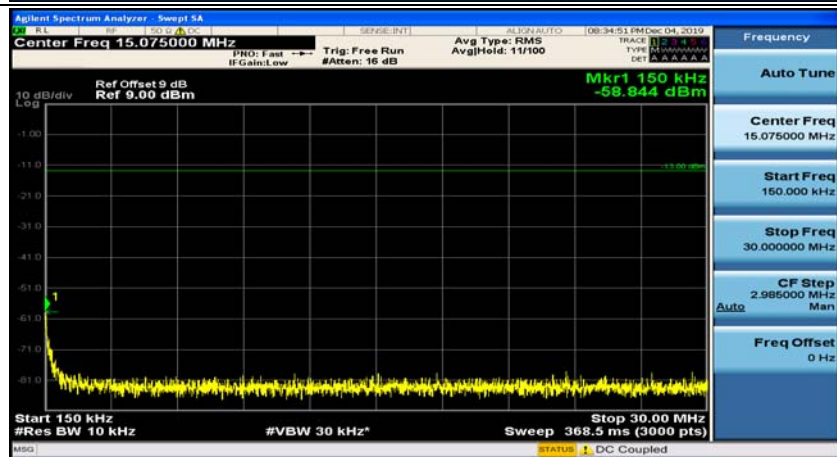


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

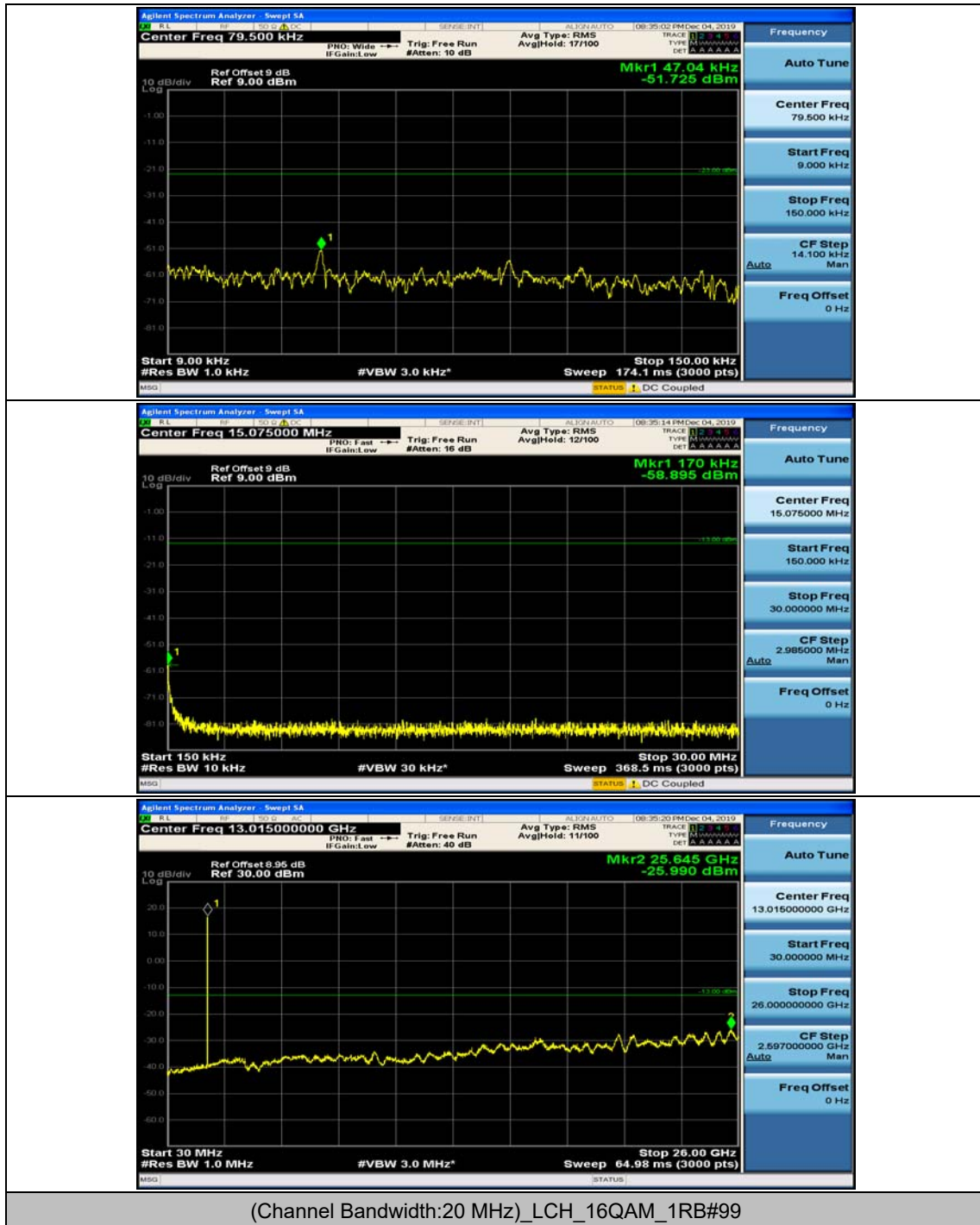


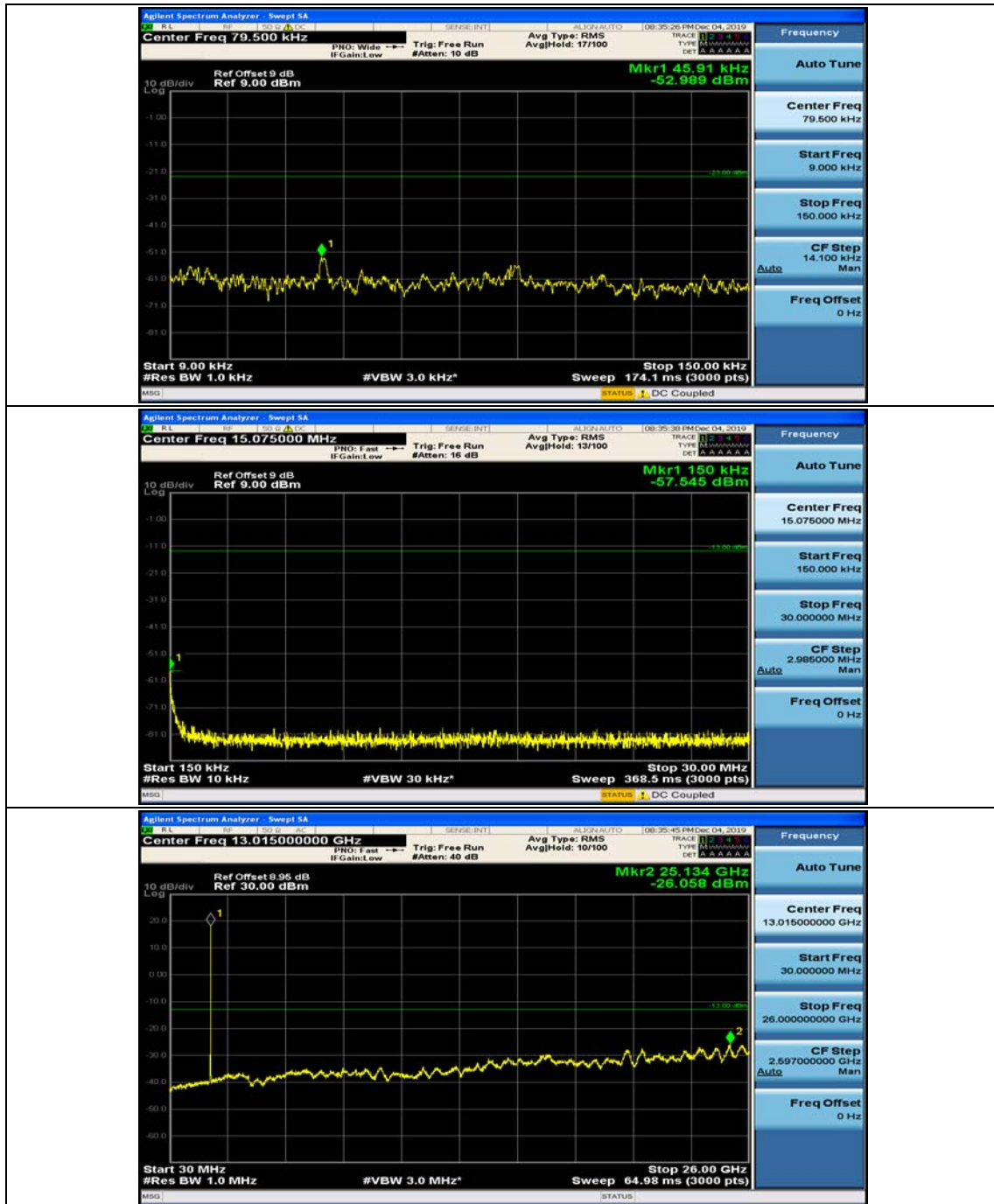


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

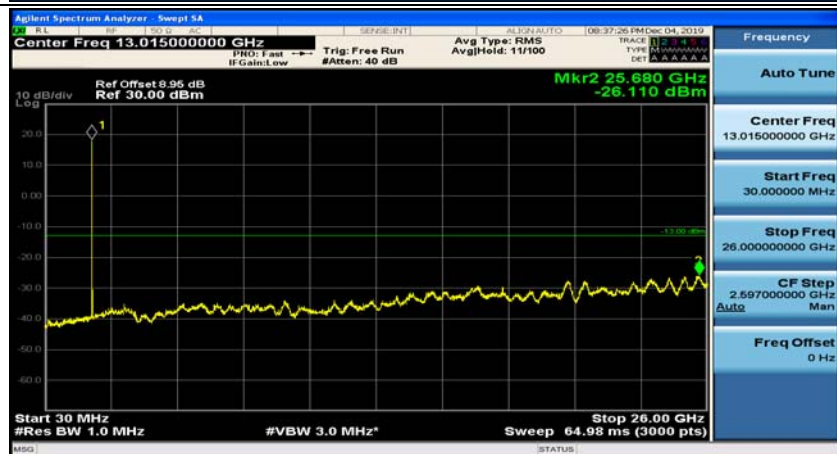
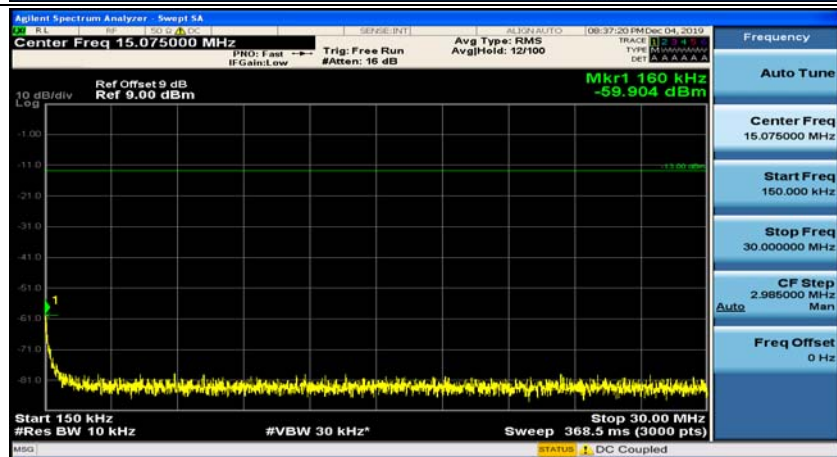


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

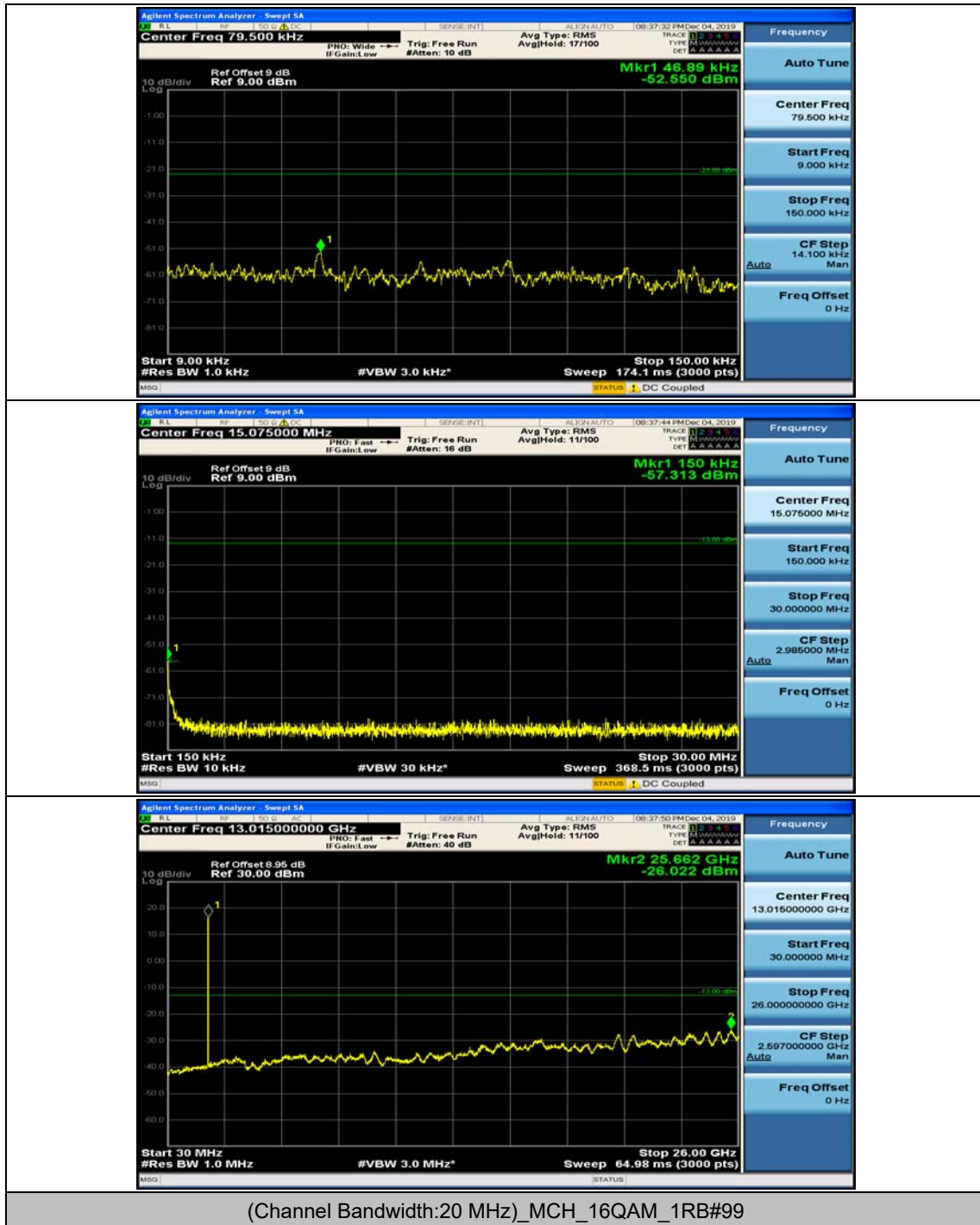


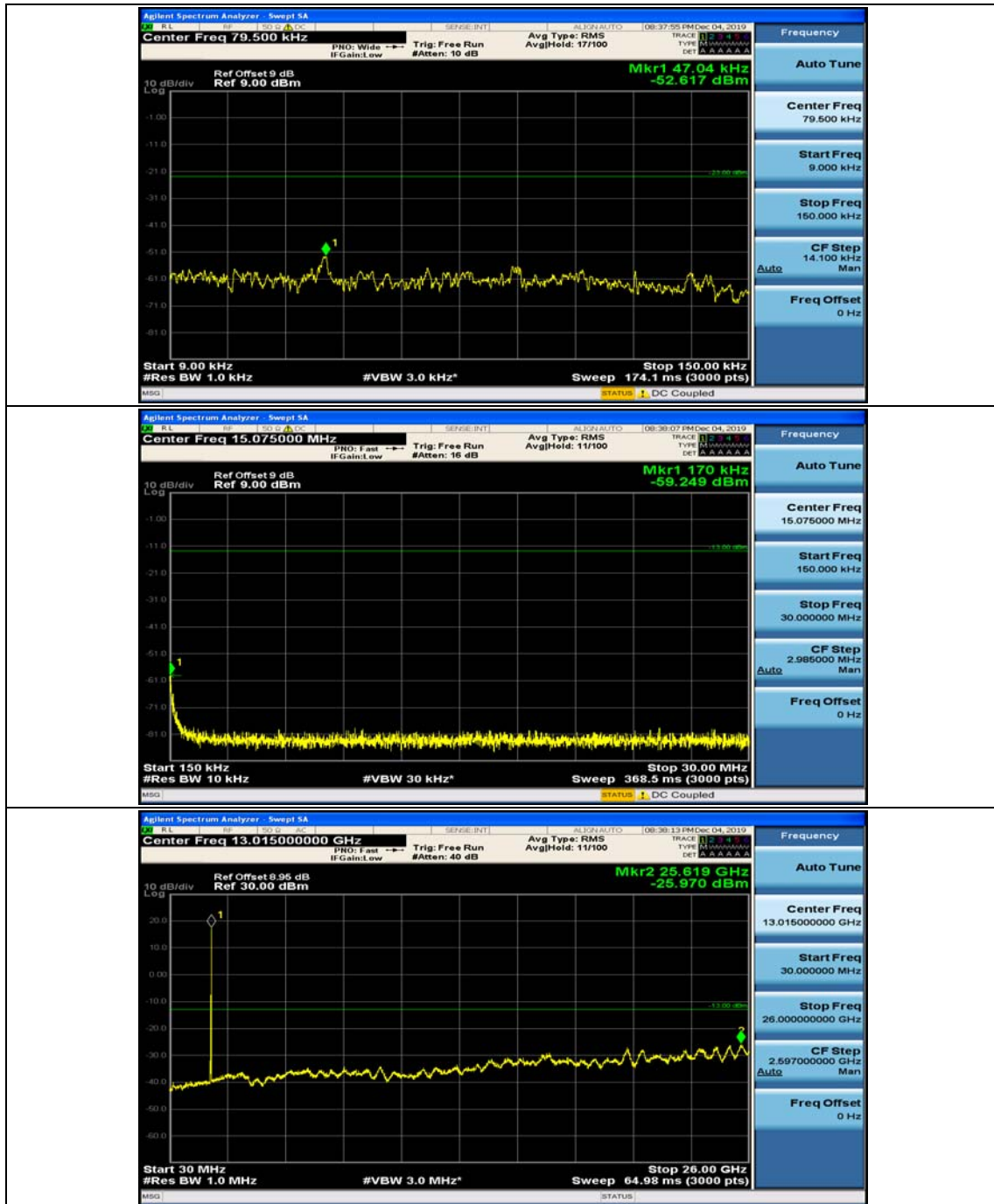


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

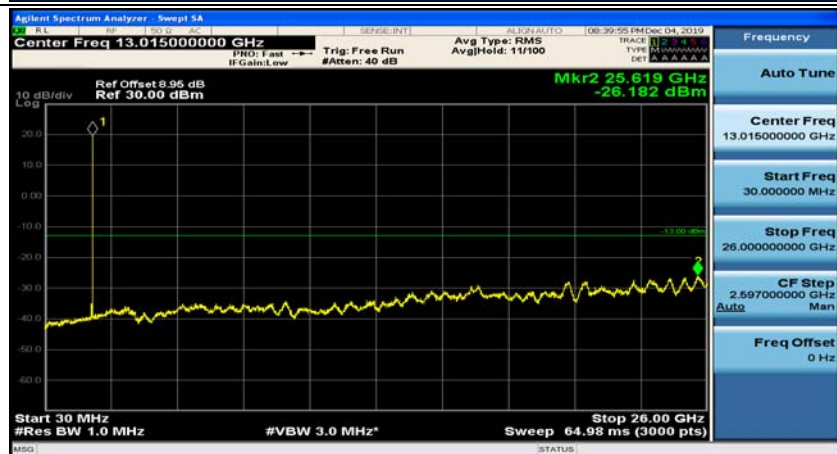
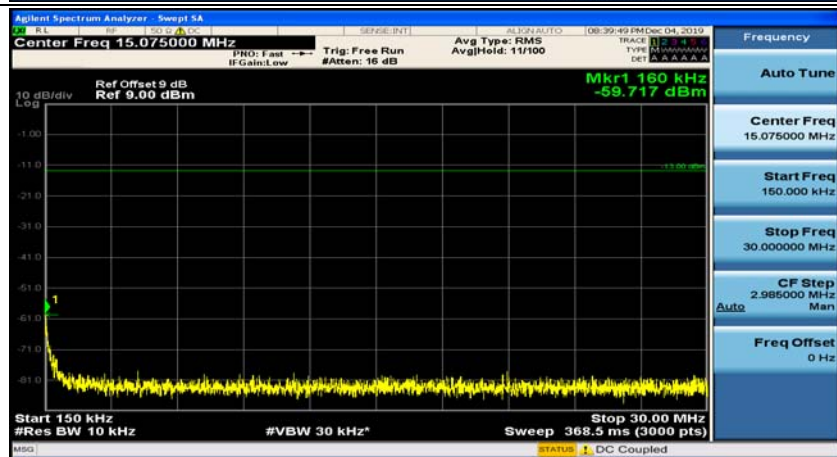
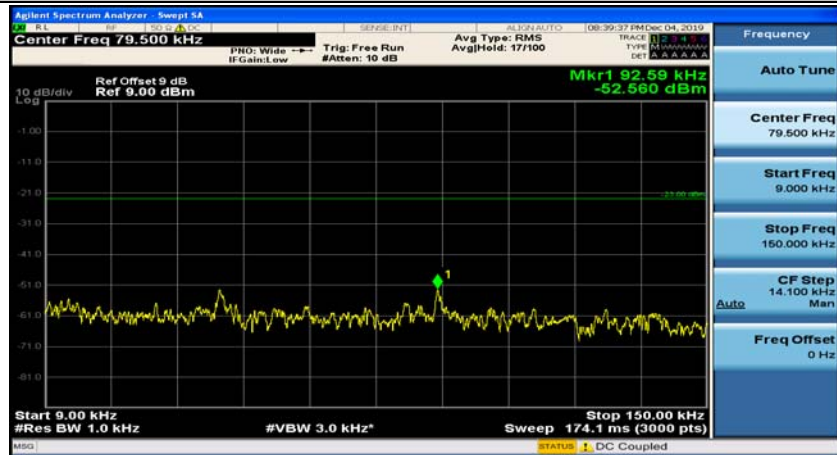


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

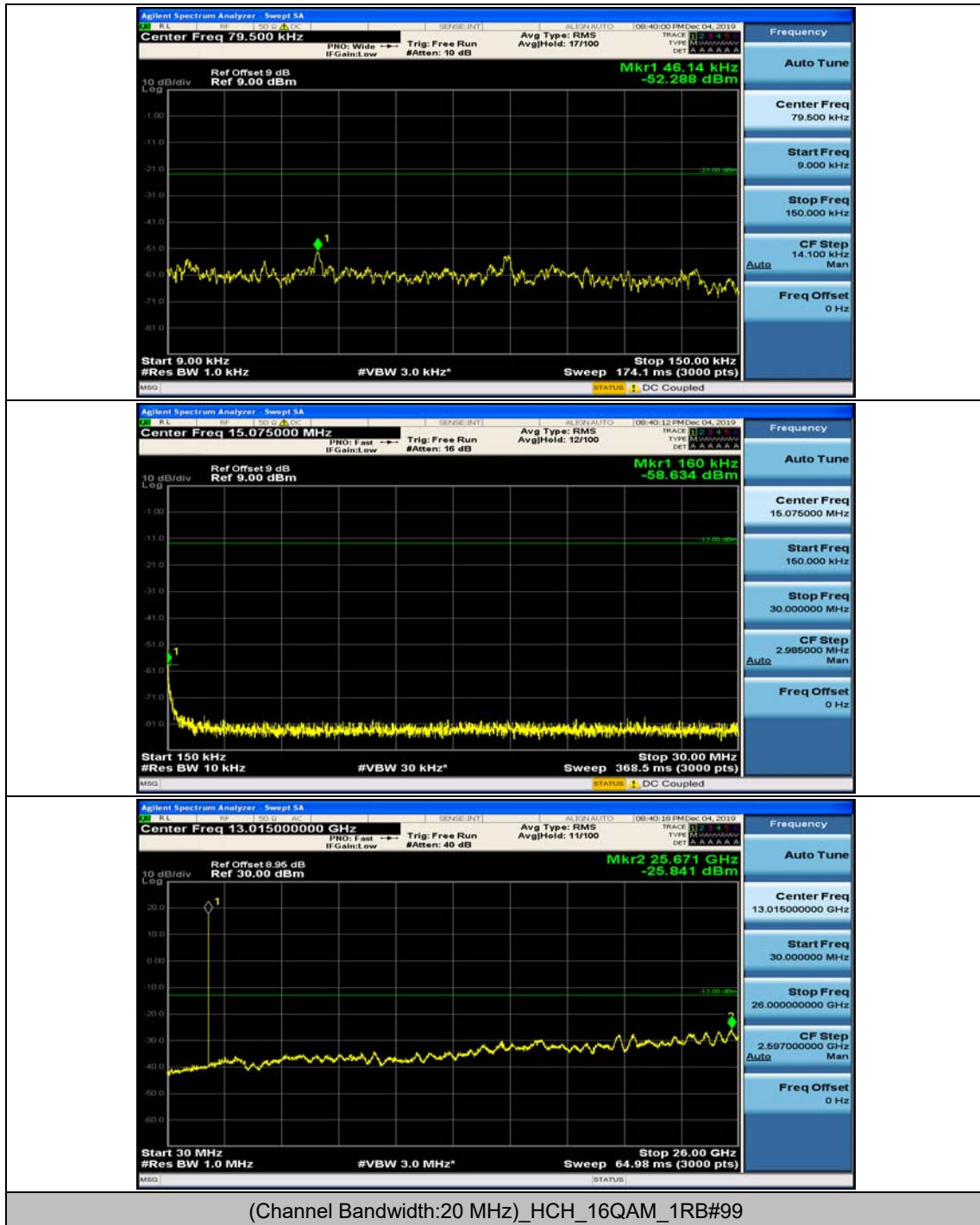


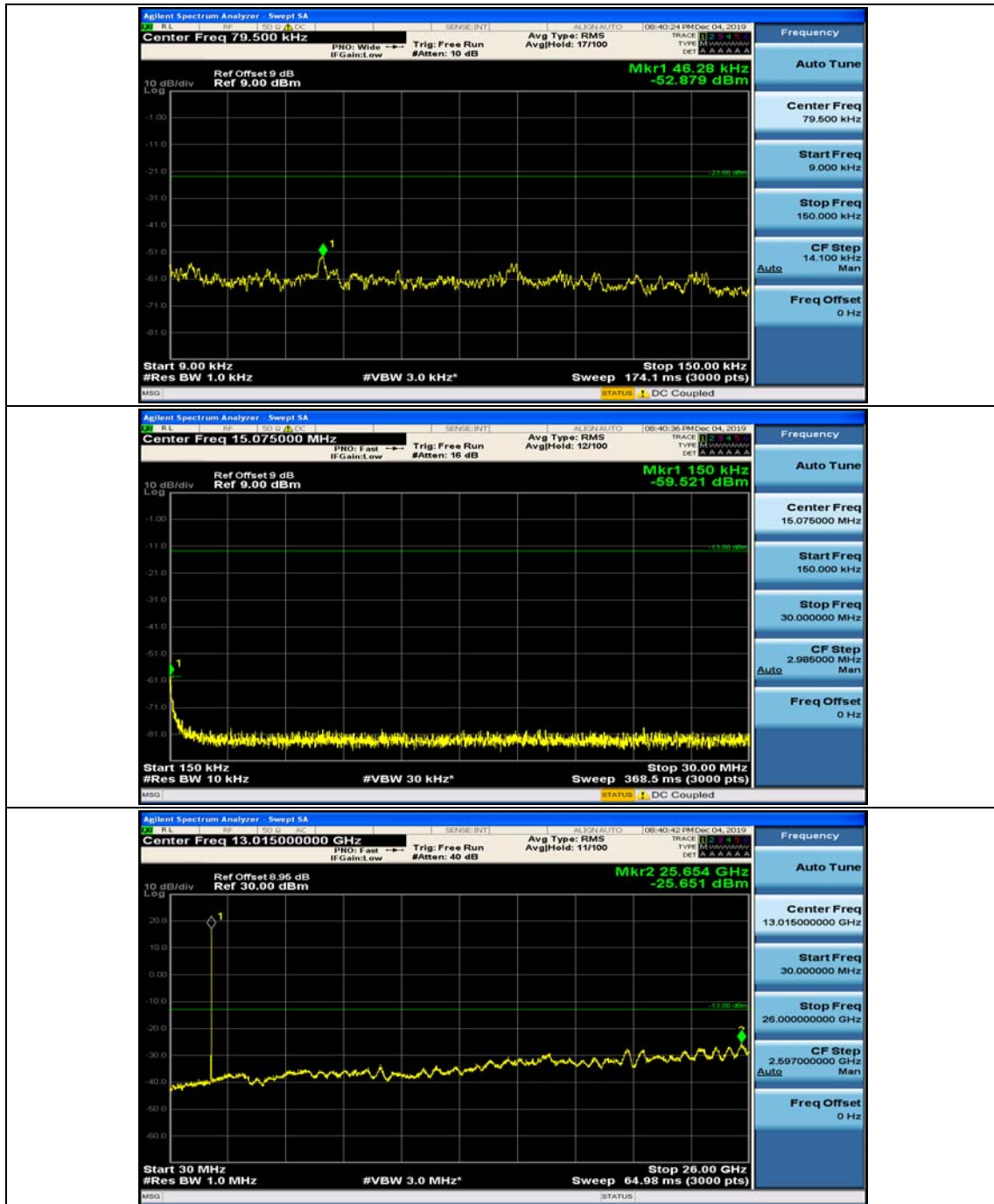


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	3.98	0.002151	± 2.5	PASS
		VN	TN	1.93	0.001043	± 2.5	PASS
		VH	TN	3.07	0.001659	± 2.5	PASS
	MCH	VL	TN	0.85	0.000452	± 2.5	PASS
		VN	TN	0.07	0.000037	± 2.5	PASS
		VH	TN	-0.47	-0.000250	± 2.5	PASS
	HCH	VL	TN	1.31	0.000686	± 2.5	PASS
		VN	TN	1.89	0.000990	± 2.5	PASS
		VH	TN	-1.49	-0.000780	± 2.5	PASS
16QAM	LCH	VL	TN	3.59	0.001940	± 2.5	PASS
		VN	TN	-0.6	-0.000324	± 2.5	PASS
		VH	TN	2.35	0.001270	± 2.5	PASS
	MCH	VL	TN	4.5	0.002394	± 2.5	PASS
		VN	TN	1.81	0.000963	± 2.5	PASS
		VH	TN	-1.31	-0.000697	± 2.5	PASS
	HCH	VL	TN	1.17	0.000613	± 2.5	PASS
		VN	TN	-1.89	-0.000990	± 2.5	PASS
		VH	TN	3.15	0.001650	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.67	-0.000902	± 2.5	PASS
		VN	-20	0.08	0.000043	± 2.5	PASS
		VN	-10	3.54	0.001913	± 2.5	PASS
		VN	0	1.6	0.000865	± 2.5	PASS
		VN	10	4.52	0.002442	± 2.5	PASS
		VN	20	-0.11	-0.000059	± 2.5	PASS
		VN	30	0.14	0.000076	± 2.5	PASS
		VN	40	3.01	0.001626	± 2.5	PASS
		VN	50	0.38	0.000205	± 2.5	PASS
	MCH	VN	-30	0.15	0.000080	± 2.5	PASS
		VN	-20	0.76	0.000404	± 2.5	PASS

		VN	-10	2.9	0.001543	± 2.5	PASS
		VN	0	-1.12	-0.000596	± 2.5	PASS
		VN	10	1.15	0.000612	± 2.5	PASS
		VN	20	-1.89	-0.001005	± 2.5	PASS
		VN	30	4.56	0.002426	± 2.5	PASS
		VN	40	3.36	0.001787	± 2.5	PASS
		VN	50	1.63	0.000867	± 2.5	PASS
	HCH	VN	-30	1.13	0.000592	± 2.5	PASS
		VN	-20	-1.08	-0.000566	± 2.5	PASS
		VN	-10	2.67	0.001398	± 2.5	PASS
		VN	0	2.55	0.001336	± 2.5	PASS
		VN	10	4.44	0.002325	± 2.5	PASS
		VN	20	0.1	0.000052	± 2.5	PASS
		VN	30	4.22	0.002210	± 2.5	PASS
		VN	40	4.13	0.002163	± 2.5	PASS
		VN	50	0.13	0.000068	± 2.5	PASS
16QAM	LCH	VN	-30	4.5	0.002432	± 2.5	PASS
		VN	-20	1.64	0.000886	± 2.5	PASS
		VN	-10	-0.87	-0.000470	± 2.5	PASS
		VN	0	-0.37	-0.000200	± 2.5	PASS
		VN	10	0.25	0.000135	± 2.5	PASS
		VN	20	3.89	0.002102	± 2.5	PASS
		VN	30	1.92	0.001037	± 2.5	PASS
		VN	40	-1.66	-0.000897	± 2.5	PASS
		VN	50	2.19	0.001183	± 2.5	PASS
	MCH	VN	-30	-1.56	-0.000830	± 2.5	PASS
		VN	-20	4.76	0.002532	± 2.5	PASS
		VN	-10	3.54	0.001883	± 2.5	PASS
		VN	0	4.49	0.002388	± 2.5	PASS
		VN	10	3.75	0.001995	± 2.5	PASS
		VN	20	2.54	0.001351	± 2.5	PASS
		VN	30	1.85	0.000984	± 2.5	PASS
		VN	40	1.25	0.000665	± 2.5	PASS
		VN	50	4.29	0.002282	± 2.5	PASS
	HCH	VN	-30	4.96	0.002598	± 2.5	PASS
		VN	-20	0.85	0.000445	± 2.5	PASS
		VN	-10	0.1	0.000052	± 2.5	PASS
		VN	0	-1.06	-0.000555	± 2.5	PASS
		VN	10	1.29	0.000676	± 2.5	PASS
		VN	20	3.6	0.001886	± 2.5	PASS
		VN	30	0.03	0.000016	± 2.5	PASS

		VN	40	-1.24	-0.000649	± 2.5	PASS
		VN	50	-0.96	-0.000503	± 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	3.59	0.001939	± 2.5	PASS
		VN	TN	1.08	0.000583	± 2.5	PASS
		VH	TN	2.57	0.001388	± 2.5	PASS
	MCH	VL	TN	3.87	0.002059	± 2.5	PASS
		VN	TN	0.45	0.000239	± 2.5	PASS
		VH	TN	0.33	0.000176	± 2.5	PASS
	HCH	VL	TN	1.41	0.000739	± 2.5	PASS
		VN	TN	0.37	0.000194	± 2.5	PASS
		VH	TN	3.16	0.001656	± 2.5	PASS
16QAM	LCH	VL	TN	4.02	0.002171	± 2.5	PASS
		VN	TN	-0.19	-0.000103	± 2.5	PASS
		VH	TN	4.09	0.002209	± 2.5	PASS
	MCH	VL	TN	-0.95	-0.000505	± 2.5	PASS
		VN	TN	3.11	0.001654	± 2.5	PASS
		VH	TN	-0.44	-0.000234	± 2.5	PASS
	HCH	VL	TN	0.65	0.000341	± 2.5	PASS
		VN	TN	3.82	0.002002	± 2.5	PASS
		VH	TN	2.81	0.001472	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.08	0.001123	± 2.5	PASS
		VN	-20	4.17	0.002252	± 2.5	PASS
		VN	-10	0.87	0.000470	± 2.5	PASS
		VN	0	0.94	0.000508	± 2.5	PASS
		VN	10	2.19	0.001183	± 2.5	PASS
		VN	20	0.36	0.000194	± 2.5	PASS
		VN	30	3.33	0.001799	± 2.5	PASS
		VN	40	-0.25	-0.000135	± 2.5	PASS
		VN	50	3.82	0.002063	± 2.5	PASS
	MCH	VN	-30	1.89	0.001005	± 2.5	PASS
		VN	-20	1.11	0.000590	± 2.5	PASS
		VN	-10	1.89	0.001005	± 2.5	PASS

		VN	0	0.11	0.000059	± 2.5	PASS
		VN	10	-0.81	-0.000431	± 2.5	PASS
		VN	20	2.1	0.001117	± 2.5	PASS
		VN	30	0.53	0.000282	± 2.5	PASS
		VN	40	3.93	0.002090	± 2.5	PASS
		VN	50	0.83	0.000441	± 2.5	PASS
	HCH	VN	-30	1.69	0.000886	± 2.5	PASS
		VN	-20	-0.96	-0.000503	± 2.5	PASS
		VN	-10	-1.14	-0.000597	± 2.5	PASS
		VN	0	1.41	0.000739	± 2.5	PASS
		VN	10	2.86	0.001499	± 2.5	PASS
		VN	20	2.97	0.001556	± 2.5	PASS
		VN	30	1.03	0.000540	± 2.5	PASS
		VN	40	-1.57	-0.000823	± 2.5	PASS
		VN	50	0.66	0.000346	± 2.5	PASS
16QAM	LCH	VN	-30	1.11	0.000600	± 2.5	PASS
		VN	-20	2.53	0.001366	± 2.5	PASS
		VN	-10	-0.47	-0.000254	± 2.5	PASS
		VN	0	-0.02	-0.000011	± 2.5	PASS
		VN	10	1.26	0.000681	± 2.5	PASS
		VN	20	3.72	0.002009	± 2.5	PASS
		VN	30	4.09	0.002209	± 2.5	PASS
		VN	40	3.94	0.002128	± 2.5	PASS
		VN	50	3.47	0.001874	± 2.5	PASS
	MCH	VN	-30	1.62	0.000862	± 2.5	PASS
		VN	-20	-0.64	-0.000340	± 2.5	PASS
		VN	-10	-1.96	-0.001043	± 2.5	PASS
		VN	0	0.01	0.000005	± 2.5	PASS
		VN	10	1.73	0.000920	± 2.5	PASS
		VN	20	4.64	0.002468	± 2.5	PASS
		VN	30	3.32	0.001766	± 2.5	PASS
		VN	40	2.32	0.001234	± 2.5	PASS
		VN	50	2.72	0.001447	± 2.5	PASS
	HCH	VN	-30	-0.18	-0.000094	± 2.5	PASS
		VN	-20	-0.02	-0.000010	± 2.5	PASS
		VN	-10	4.7	0.002463	± 2.5	PASS
		VN	0	3.32	0.001740	± 2.5	PASS
		VN	10	-1.72	-0.000901	± 2.5	PASS
		VN	20	4.02	0.002106	± 2.5	PASS
		VN	30	4.09	0.002143	± 2.5	PASS
		VN	40	3.25	0.001703	± 2.5	PASS

		VN	50	-1.18	-0.000618	± 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	-1.58	-0.000853	± 2.5	PASS
		VN	TN	-0.85	-0.000459	± 2.5	PASS
		VH	TN	4.34	0.002343	± 2.5	PASS
	MCH	VL	TN	2.56	0.001362	± 2.5	PASS
		VN	TN	4.56	0.002426	± 2.5	PASS
		VH	TN	-0.71	-0.000378	± 2.5	PASS
	HCH	VL	TN	-1.69	-0.000886	± 2.5	PASS
		VN	TN	-1.47	-0.000771	± 2.5	PASS
		VH	TN	1.94	0.001017	± 2.5	PASS
16QAM	LCH	VL	TN	4.85	0.002618	± 2.5	PASS
		VN	TN	1.27	0.000686	± 2.5	PASS
		VH	TN	4.72	0.002548	± 2.5	PASS
	MCH	VL	TN	3.88	0.002064	± 2.5	PASS
		VN	TN	-0.39	-0.000207	± 2.5	PASS
		VH	TN	3.46	0.001840	± 2.5	PASS
	HCH	VL	TN	1.96	0.001028	± 2.5	PASS
		VN	TN	2.45	0.001284	± 2.5	PASS
		VH	TN	1.1	0.000577	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.65	-0.000351	± 2.5	PASS
		VN	-20	1.82	0.000982	± 2.5	PASS
		VN	-10	-1.5	-0.000810	± 2.5	PASS
		VN	0	4.25	0.002294	± 2.5	PASS
		VN	10	0.48	0.000259	± 2.5	PASS
		VN	20	0.83	0.000448	± 2.5	PASS
		VN	30	-0.07	-0.000038	± 2.5	PASS
		VN	40	0.27	0.000146	± 2.5	PASS
		VN	50	4.08	0.002202	± 2.5	PASS
	MCH	VN	-30	1.22	0.000649	± 2.5	PASS
		VN	-20	0.54	0.000287	± 2.5	PASS
		VN	-10	3.09	0.001644	± 2.5	PASS
		VN	0	2.63	0.001399	± 2.5	PASS

		VN	10	0.47	0.000250	± 2.5	PASS
		VN	20	3.31	0.001761	± 2.5	PASS
		VN	30	3.88	0.002064	± 2.5	PASS
		VN	40	3.74	0.001989	± 2.5	PASS
		VN	50	4.35	0.002314	± 2.5	PASS
	HCH	VN	-30	2.58	0.001353	± 2.5	PASS
		VN	-20	1.52	0.000797	± 2.5	PASS
		VN	-10	3.8	0.001992	± 2.5	PASS
		VN	0	3.74	0.001961	± 2.5	PASS
		VN	10	2.02	0.001059	± 2.5	PASS
		VN	20	-1.11	-0.000582	± 2.5	PASS
		VN	30	-1.88	-0.000986	± 2.5	PASS
		VN	40	2.88	0.001510	± 2.5	PASS
		VN	50	1.2	0.000629	± 2.5	PASS
16QAM	LCH	VN	-30	3.05	0.001646	± 2.5	PASS
		VN	-20	4.24	0.002289	± 2.5	PASS
		VN	-10	1.13	0.000610	± 2.5	PASS
		VN	0	-0.96	-0.000518	± 2.5	PASS
		VN	10	3.44	0.001857	± 2.5	PASS
		VN	20	3.64	0.001965	± 2.5	PASS
		VN	30	-0.19	-0.000103	± 2.5	PASS
		VN	40	4.41	0.002381	± 2.5	PASS
		VN	50	4.1	0.002213	± 2.5	PASS
	MCH	VN	-30	-1.74	-0.000926	± 2.5	PASS
		VN	-20	-0.39	-0.000207	± 2.5	PASS
		VN	-10	-0.8	-0.000426	± 2.5	PASS
		VN	0	-0.88	-0.000468	± 2.5	PASS
		VN	10	4.75	0.002527	± 2.5	PASS
		VN	20	1.7	0.000904	± 2.5	PASS
		VN	30	4.39	0.002335	± 2.5	PASS
		VN	40	2.56	0.001362	± 2.5	PASS
		VN	50	1.48	0.000787	± 2.5	PASS
	HCH	VN	-30	-1.05	-0.000550	± 2.5	PASS
		VN	-20	-1.36	-0.000713	± 2.5	PASS
		VN	-10	1.39	0.000729	± 2.5	PASS
		VN	0	4.99	0.002616	± 2.5	PASS
		VN	10	1.86	0.000975	± 2.5	PASS
		VN	20	4.95	0.002595	± 2.5	PASS
		VN	30	3.77	0.001976	± 2.5	PASS
		VN	40	0.21	0.000110	± 2.5	PASS
		VN	50	3.61	0.001893	± 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	4.58	0.002469	± 2.5	PASS
		VN	TN	3.83	0.002065	± 2.5	PASS
		VH	TN	2.29	0.001235	± 2.5	PASS
	MCH	VL	TN	4.23	0.002250	± 2.5	PASS
		VN	TN	4.62	0.002457	± 2.5	PASS
		VH	TN	-1.75	-0.000931	± 2.5	PASS
	HCH	VL	TN	-0.65	-0.000341	± 2.5	PASS
		VN	TN	1.59	0.000835	± 2.5	PASS
		VH	TN	1.46	0.000766	± 2.5	PASS
16QAM	LCH	VL	TN	-1.62	-0.000873	± 2.5	PASS
		VN	TN	1.29	0.000695	± 2.5	PASS
		VH	TN	-1.27	-0.000685	± 2.5	PASS
	MCH	VL	TN	0.46	0.000245	± 2.5	PASS
		VN	TN	1.35	0.000718	± 2.5	PASS
		VH	TN	2.98	0.001585	± 2.5	PASS
	HCH	VL	TN	2.26	0.001186	± 2.5	PASS
		VN	TN	-0.62	-0.000325	± 2.5	PASS
		VH	TN	-1.7	-0.000892	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.69	-0.000911	± 2.5	PASS
		VN	-20	1.33	0.000717	± 2.5	PASS
		VN	-10	1.15	0.000620	± 2.5	PASS
		VN	0	-1.92	-0.001035	± 2.5	PASS
		VN	10	4.36	0.002350	± 2.5	PASS
		VN	20	0.02	0.000011	± 2.5	PASS
		VN	30	-0.66	-0.000356	± 2.5	PASS
		VN	40	4.21	0.002270	± 2.5	PASS
		VN	50	-1.06	-0.000571	± 2.5	PASS
	MCH	VN	-30	1.27	0.000676	± 2.5	PASS
		VN	-20	0.53	0.000282	± 2.5	PASS
		VN	-10	-0.77	-0.000410	± 2.5	PASS
		VN	0	-1.26	-0.000670	± 2.5	PASS
		VN	10	4.26	0.002266	± 2.5	PASS
		VN	20	-0.86	-0.000457	± 2.5	PASS

		VN	30	4.64	0.002468	± 2.5	PASS
		VN	40	4.01	0.002133	± 2.5	PASS
		VN	50	1.71	0.000910	± 2.5	PASS
	HCH	VN	-30	0.98	0.000514	± 2.5	PASS
		VN	-20	4.64	0.002436	± 2.5	PASS
		VN	-10	-1.5	-0.000787	± 2.5	PASS
		VN	0	1.97	0.001034	± 2.5	PASS
		VN	10	-0.88	-0.000462	± 2.5	PASS
		VN	20	4.56	0.002394	± 2.5	PASS
		VN	30	4.68	0.002457	± 2.5	PASS
		VN	40	2.8	0.001470	± 2.5	PASS
		VN	50	3.11	0.001633	± 2.5	PASS
16QAM	LCH	VN	-30	4.76	0.002566	± 2.5	PASS
		VN	-20	3.67	0.001978	± 2.5	PASS
		VN	-10	0.1	0.000054	± 2.5	PASS
		VN	0	0.18	0.000097	± 2.5	PASS
		VN	10	4.89	0.002636	± 2.5	PASS
		VN	20	2.06	0.001111	± 2.5	PASS
		VN	30	-1.59	-0.000857	± 2.5	PASS
		VN	40	3.88	0.002092	± 2.5	PASS
		VN	50	0.31	0.000167	± 2.5	PASS
	MCH	VN	-30	1.43	0.000761	± 2.5	PASS
		VN	-20	-0.6	-0.000319	± 2.5	PASS
		VN	-10	1.4	0.000745	± 2.5	PASS
		VN	0	3.8	0.002021	± 2.5	PASS
		VN	10	0.59	0.000314	± 2.5	PASS
		VN	20	4.62	0.002457	± 2.5	PASS
		VN	30	-0.63	-0.000335	± 2.5	PASS
		VN	40	3.83	0.002037	± 2.5	PASS
		VN	50	-0.55	-0.000293	± 2.5	PASS
	HCH	VN	-30	1.59	0.000835	± 2.5	PASS
		VN	-20	-0.63	-0.000331	± 2.5	PASS
		VN	-10	-1.67	-0.000877	± 2.5	PASS
		VN	0	1.01	0.000530	± 2.5	PASS
		VN	10	4.83	0.002535	± 2.5	PASS
		VN	20	1.41	0.000740	± 2.5	PASS
		VN	30	2.15	0.001129	± 2.5	PASS
		VN	40	-1.49	-0.000782	± 2.5	PASS
		VN	50	4.02	0.002110	± 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	1.83	0.000985	± 2.5	PASS
		VN	TN	-0.26	-0.000140	± 2.5	PASS
		VH	TN	-1.26	-0.000678	± 2.5	PASS
	MCH	VL	TN	0.69	0.000367	± 2.5	PASS
		VN	TN	1.69	0.000899	± 2.5	PASS
		VH	TN	4.69	0.002495	± 2.5	PASS
	HCH	VL	TN	2.73	0.001435	± 2.5	PASS
		VN	TN	1.86	0.000978	± 2.5	PASS
		VH	TN	3.84	0.002018	± 2.5	PASS
16QAM	LCH	VL	TN	-1.62	-0.000872	± 2.5	PASS
		VN	TN	0.8	0.000431	± 2.5	PASS
		VH	TN	-1.36	-0.000732	± 2.5	PASS
	MCH	VL	TN	-0.41	-0.000218	± 2.5	PASS
		VN	TN	-0.06	-0.000032	± 2.5	PASS
		VH	TN	1.44	0.000766	± 2.5	PASS
	HCH	VL	TN	-0.54	-0.000284	± 2.5	PASS
		VN	TN	2.51	0.001319	± 2.5	PASS
		VH	TN	0.51	0.000268	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.29	0.002310	± 2.5	PASS
		VN	-20	4.97	0.002676	± 2.5	PASS
		VN	-10	4.35	0.002342	± 2.5	PASS
		VN	0	0.74	0.000398	± 2.5	PASS
		VN	10	4.09	0.002202	± 2.5	PASS
		VN	20	1.78	0.000958	± 2.5	PASS
		VN	30	1.88	0.001012	± 2.5	PASS
		VN	40	4.73	0.002546	± 2.5	PASS
		VN	50	2.76	0.001486	± 2.5	PASS
	MCH	VN	-30	-0.37	-0.000197	± 2.5	PASS
		VN	-20	0.26	0.000138	± 2.5	PASS
		VN	-10	1.07	0.000569	± 2.5	PASS
		VN	0	-0.26	-0.000138	± 2.5	PASS
		VN	10	1.81	0.000963	± 2.5	PASS
		VN	20	-0.12	-0.000064	± 2.5	PASS

		VN	30	3.57	0.001899	± 2.5	PASS
		VN	40	1.09	0.000580	± 2.5	PASS
		VN	50	2.94	0.001564	± 2.5	PASS
	HCH	VN	-30	4.52	0.002376	± 2.5	PASS
		VN	-20	3.13	0.001645	± 2.5	PASS
		VN	-10	-1.34	-0.000704	± 2.5	PASS
		VN	0	0.64	0.000336	± 2.5	PASS
		VN	10	-1.48	-0.000778	± 2.5	PASS
		VN	20	3.57	0.001876	± 2.5	PASS
		VN	30	-0.97	-0.000510	± 2.5	PASS
		VN	40	1.54	0.000809	± 2.5	PASS
		VN	50	4.51	0.002371	± 2.5	PASS
16QAM	LCH	VN	-30	0.54	0.000291	± 2.5	PASS
		VN	-20	2.3	0.001238	± 2.5	PASS
		VN	-10	1.75	0.000942	± 2.5	PASS
		VN	0	0.84	0.000452	± 2.5	PASS
		VN	10	4.96	0.002670	± 2.5	PASS
		VN	20	0.68	0.000366	± 2.5	PASS
		VN	30	4.86	0.002616	± 2.5	PASS
		VN	40	-0.04	-0.000022	± 2.5	PASS
		VN	50	2.34	0.001260	± 2.5	PASS
	MCH	VN	-30	-0.79	-0.000420	± 2.5	PASS
		VN	-20	-1.14	-0.000606	± 2.5	PASS
		VN	-10	-0.23	-0.000122	± 2.5	PASS
		VN	0	-1.01	-0.000537	± 2.5	PASS
		VN	10	1.38	0.000734	± 2.5	PASS
		VN	20	4.81	0.002559	± 2.5	PASS
		VN	30	-0.82	-0.000436	± 2.5	PASS
		VN	40	2.54	0.001351	± 2.5	PASS
		VN	50	2.71	0.001441	± 2.5	PASS
	HCH	VN	-30	-0.94	-0.000494	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS
		VN	-10	-0.36	-0.000189	± 2.5	PASS
		VN	0	1.98	0.001041	± 2.5	PASS
		VN	10	1.6	0.000841	± 2.5	PASS
		VN	20	3.06	0.001608	± 2.5	PASS
		VN	30	-0.82	-0.000431	± 2.5	PASS
		VN	40	4.43	0.002329	± 2.5	PASS
		VN	50	0.46	0.000242	± 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	-1.46	-0.000785	± 2.5	PASS
		VN	TN	0.4	0.000215	± 2.5	PASS
		VH	TN	1.35	0.000726	± 2.5	PASS
	MCH	VL	TN	2.88	0.001532	± 2.5	PASS
		VN	TN	-1.19	-0.000633	± 2.5	PASS
		VH	TN	-1.91	-0.001016	± 2.5	PASS
	HCH	VL	TN	3.66	0.001926	± 2.5	PASS
		VN	TN	3.13	0.001647	± 2.5	PASS
		VH	TN	0.98	0.000516	± 2.5	PASS
16QAM	LCH	VL	TN	4.82	0.002591	± 2.5	PASS
		VN	TN	1.84	0.000989	± 2.5	PASS
		VH	TN	4.79	0.002575	± 2.5	PASS
	MCH	VL	TN	-0.5	-0.000266	± 2.5	PASS
		VN	TN	1.88	0.001000	± 2.5	PASS
		VH	TN	2.74	0.001457	± 2.5	PASS
	HCH	VL	TN	2.45	0.001289	± 2.5	PASS
		VN	TN	4.59	0.002416	± 2.5	PASS
		VH	TN	1.14	0.000600	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.64	0.002495	± 2.5	PASS
		VN	-20	-0.25	-0.000134	± 2.5	PASS
		VN	-10	4.71	0.002532	± 2.5	PASS
		VN	0	-0.42	-0.000226	± 2.5	PASS
		VN	10	2.35	0.001263	± 2.5	PASS
		VN	20	0.1	0.000054	± 2.5	PASS
		VN	30	0.48	0.000258	± 2.5	PASS
		VN	40	1.76	0.000946	± 2.5	PASS
		VN	50	-0.51	-0.000274	± 2.5	PASS
	MCH	VN	-30	3.79	0.002016	± 2.5	PASS
		VN	-20	-1.85	-0.000984	± 2.5	PASS
		VN	-10	3.59	0.001910	± 2.5	PASS
		VN	0	0.51	0.000271	± 2.5	PASS
		VN	10	0.61	0.000324	± 2.5	PASS
		VN	20	0.94	0.000500	± 2.5	PASS

		VN	30	-1.13	-0.000601	± 2.5	PASS
		VN	40	2.75	0.001463	± 2.5	PASS
		VN	50	-0.92	-0.000489	± 2.5	PASS
	HCH	VN	-30	-0.91	-0.000479	± 2.5	PASS
		VN	-20	4.61	0.002426	± 2.5	PASS
		VN	-10	-1.47	-0.000774	± 2.5	PASS
		VN	0	3.3	0.001737	± 2.5	PASS
		VN	10	-0.83	-0.000437	± 2.5	PASS
		VN	20	-0.67	-0.000353	± 2.5	PASS
		VN	30	0.55	0.000289	± 2.5	PASS
		VN	40	-0.02	-0.000011	± 2.5	PASS
		VN	50	0.43	0.000226	± 2.5	PASS
16QAM	LCH	VN	-30	1.96	0.001054	± 2.5	PASS
		VN	-20	-1.18	-0.000634	± 2.5	PASS
		VN	-10	2.03	0.001091	± 2.5	PASS
		VN	0	3.18	0.001710	± 2.5	PASS
		VN	10	1.74	0.000935	± 2.5	PASS
		VN	20	3.8	0.002043	± 2.5	PASS
		VN	30	4.9	0.002634	± 2.5	PASS
		VN	40	2.64	0.001419	± 2.5	PASS
		VN	50	-0.94	-0.000505	± 2.5	PASS
	MCH	VN	-30	-1.68	-0.000894	± 2.5	PASS
		VN	-20	-1.12	-0.000596	± 2.5	PASS
		VN	-10	2.11	0.001122	± 2.5	PASS
		VN	0	4.49	0.002388	± 2.5	PASS
		VN	10	1.44	0.000766	± 2.5	PASS
		VN	20	4.66	0.002479	± 2.5	PASS
		VN	30	4.15	0.002207	± 2.5	PASS
		VN	40	-1.87	-0.000995	± 2.5	PASS
		VN	50	0.24	0.000128	± 2.5	PASS
	HCH	VN	-30	-0.76	-0.000400	± 2.5	PASS
		VN	-20	0.16	0.000084	± 2.5	PASS
		VN	-10	0.27	0.000142	± 2.5	PASS
		VN	0	-0.41	-0.000216	± 2.5	PASS
		VN	10	1.79	0.000942	± 2.5	PASS
		VN	20	1.27	0.000668	± 2.5	PASS
		VN	30	1.1	0.000579	± 2.5	PASS
		VN	40	5	0.002632	± 2.5	PASS
		VN	50	-0.72	-0.000379	± 2.5	PASS