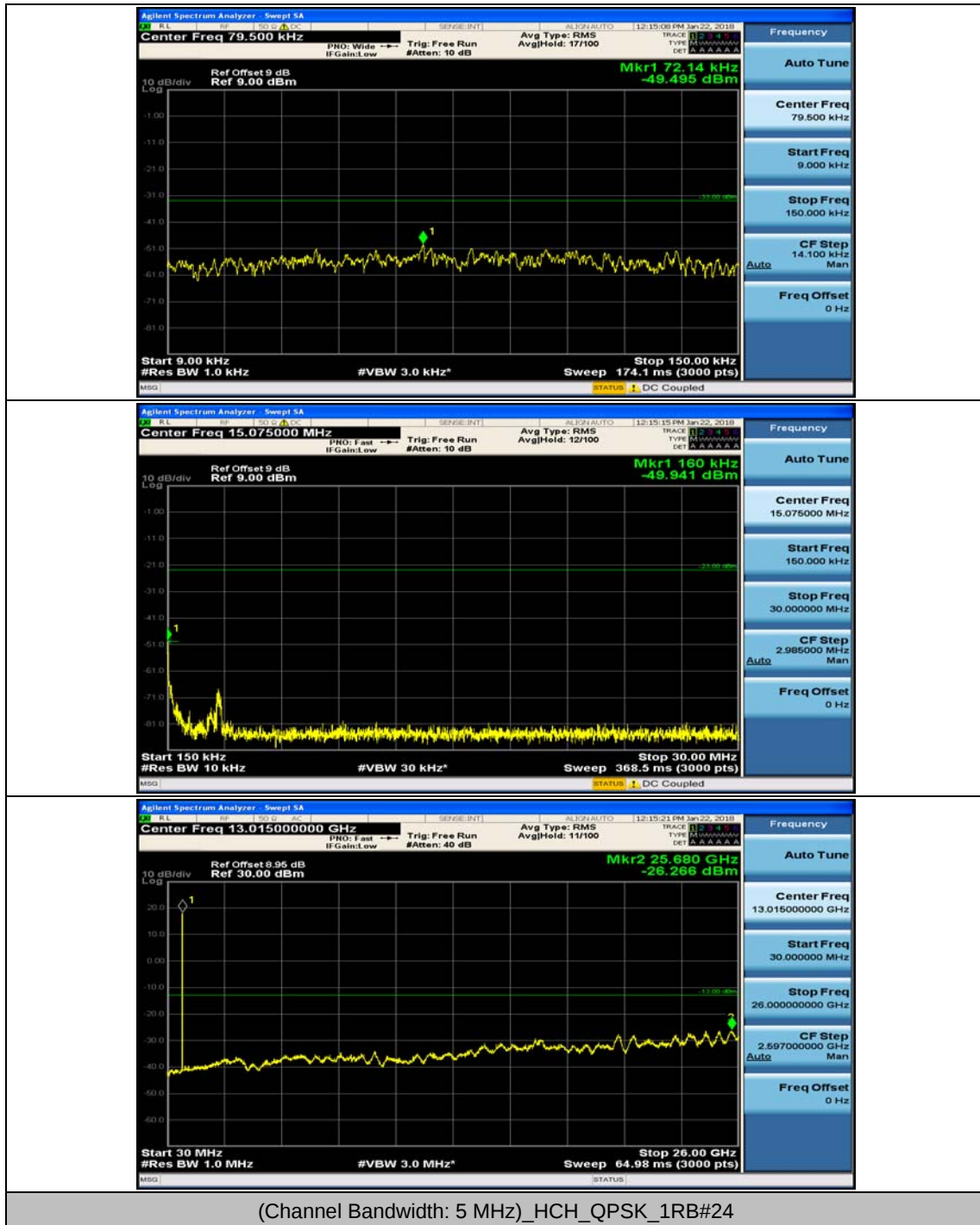
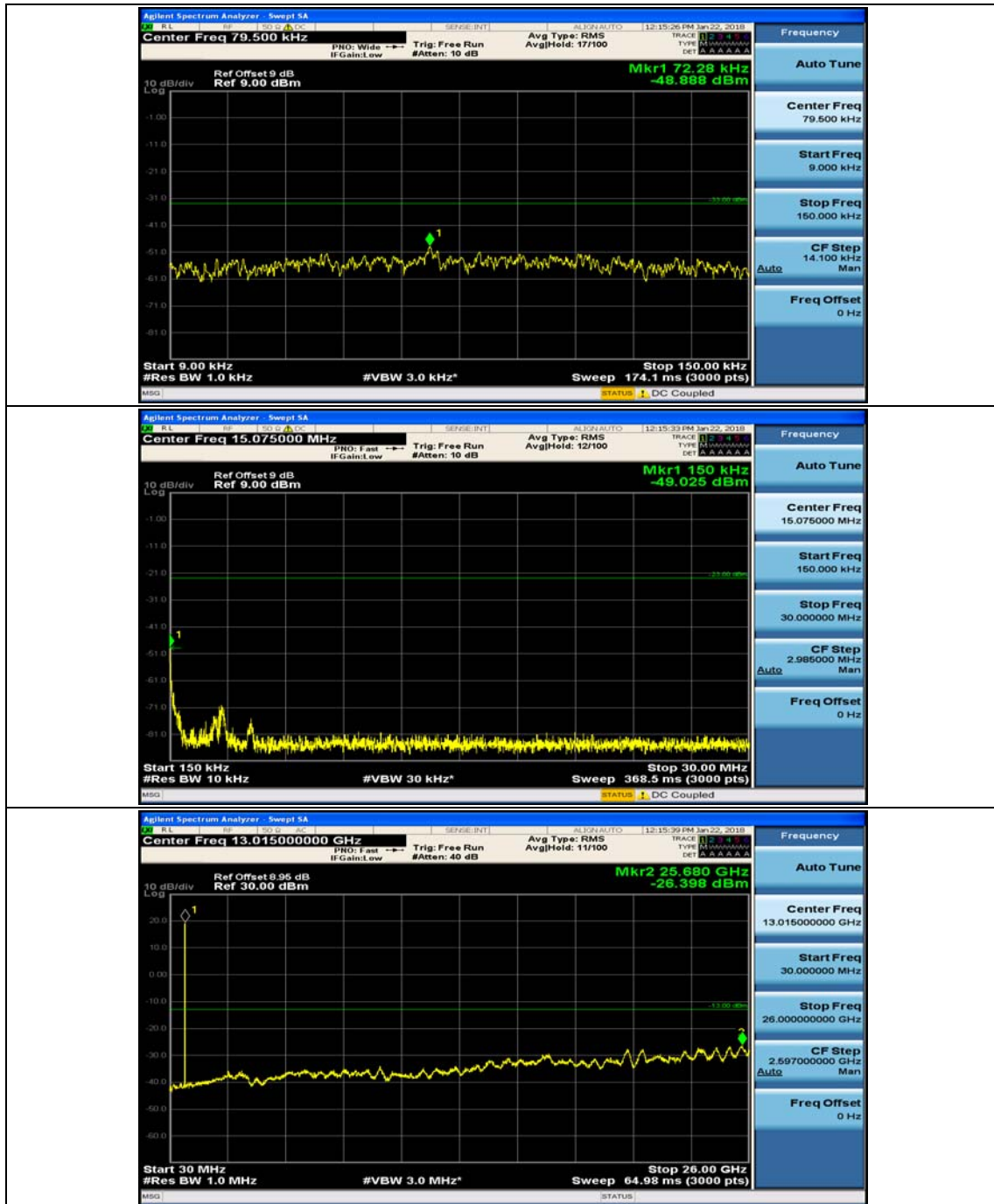
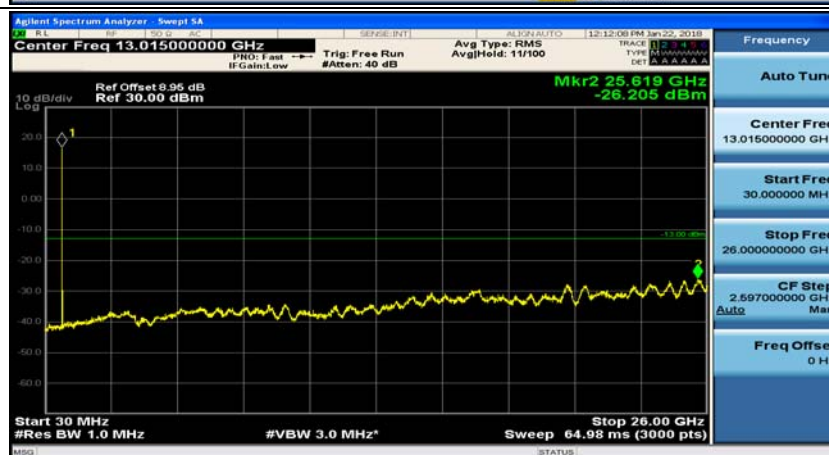
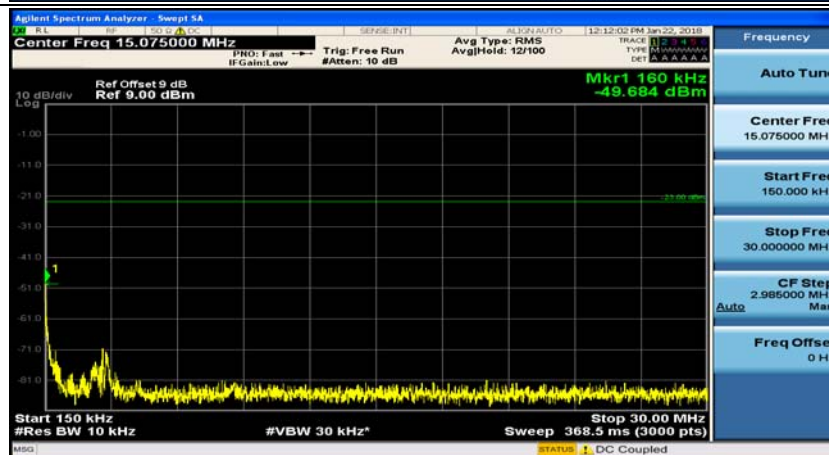
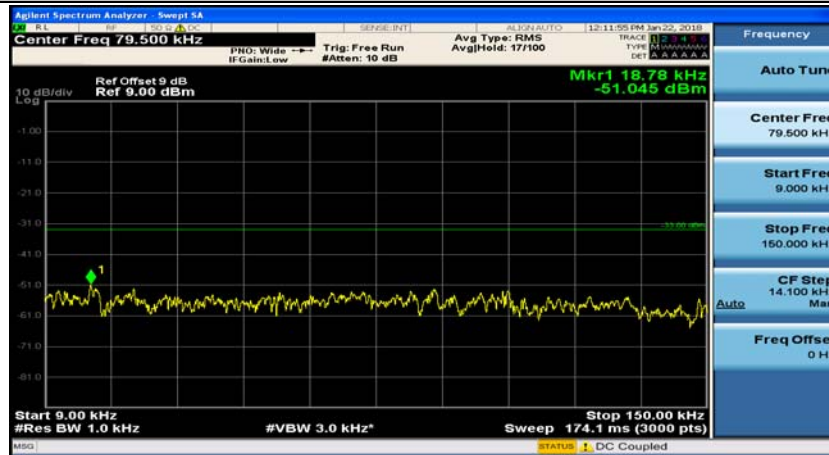


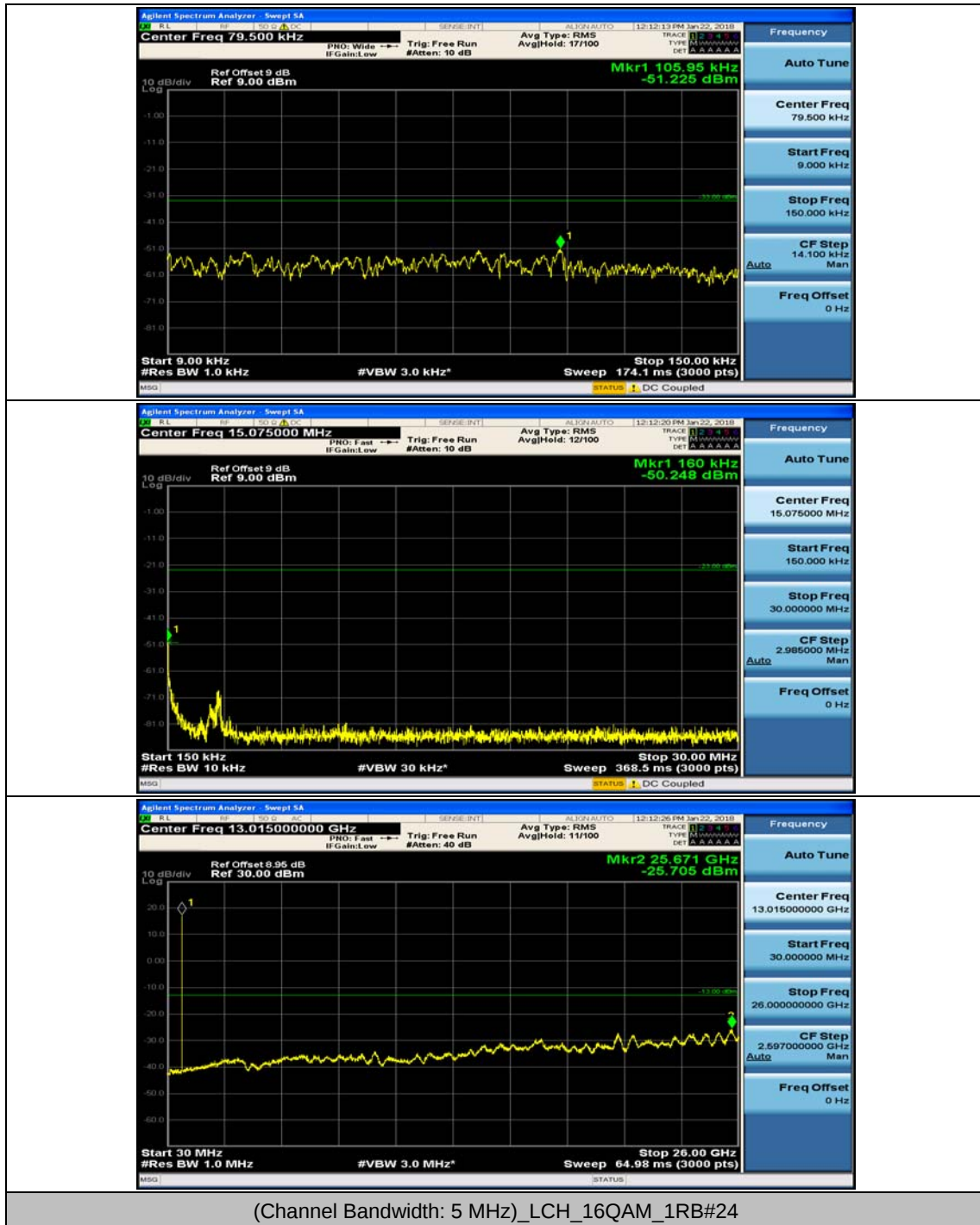


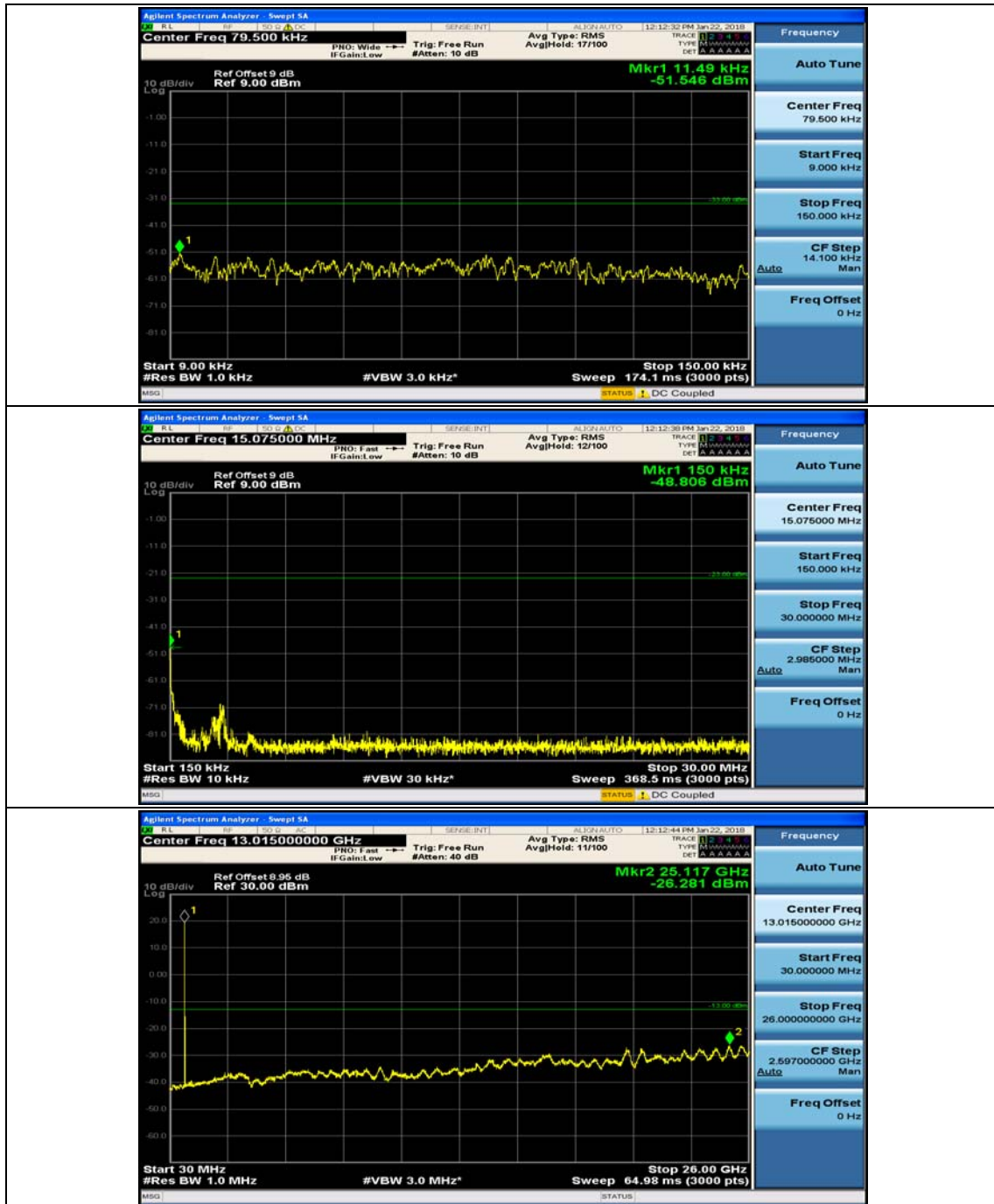


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

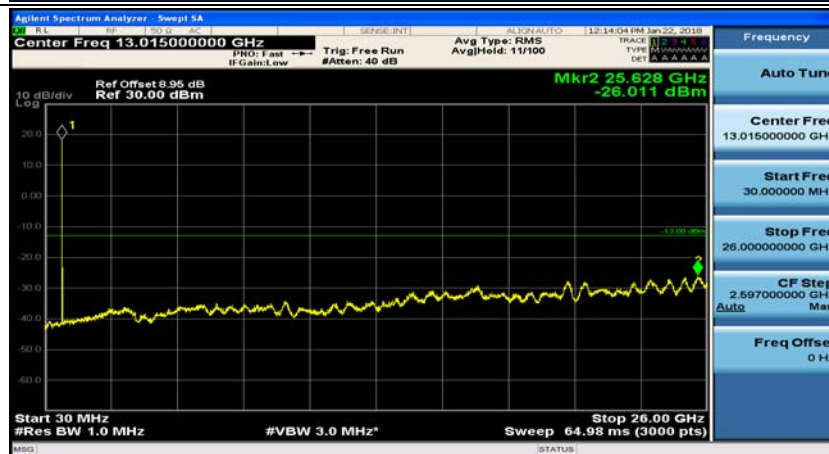
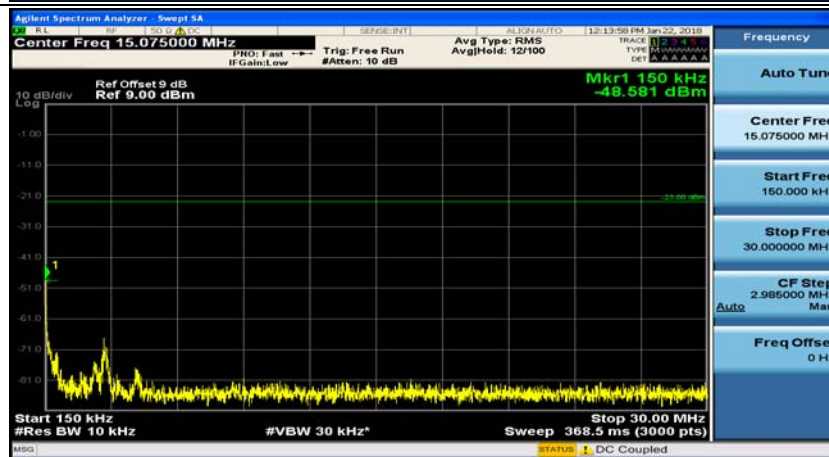


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

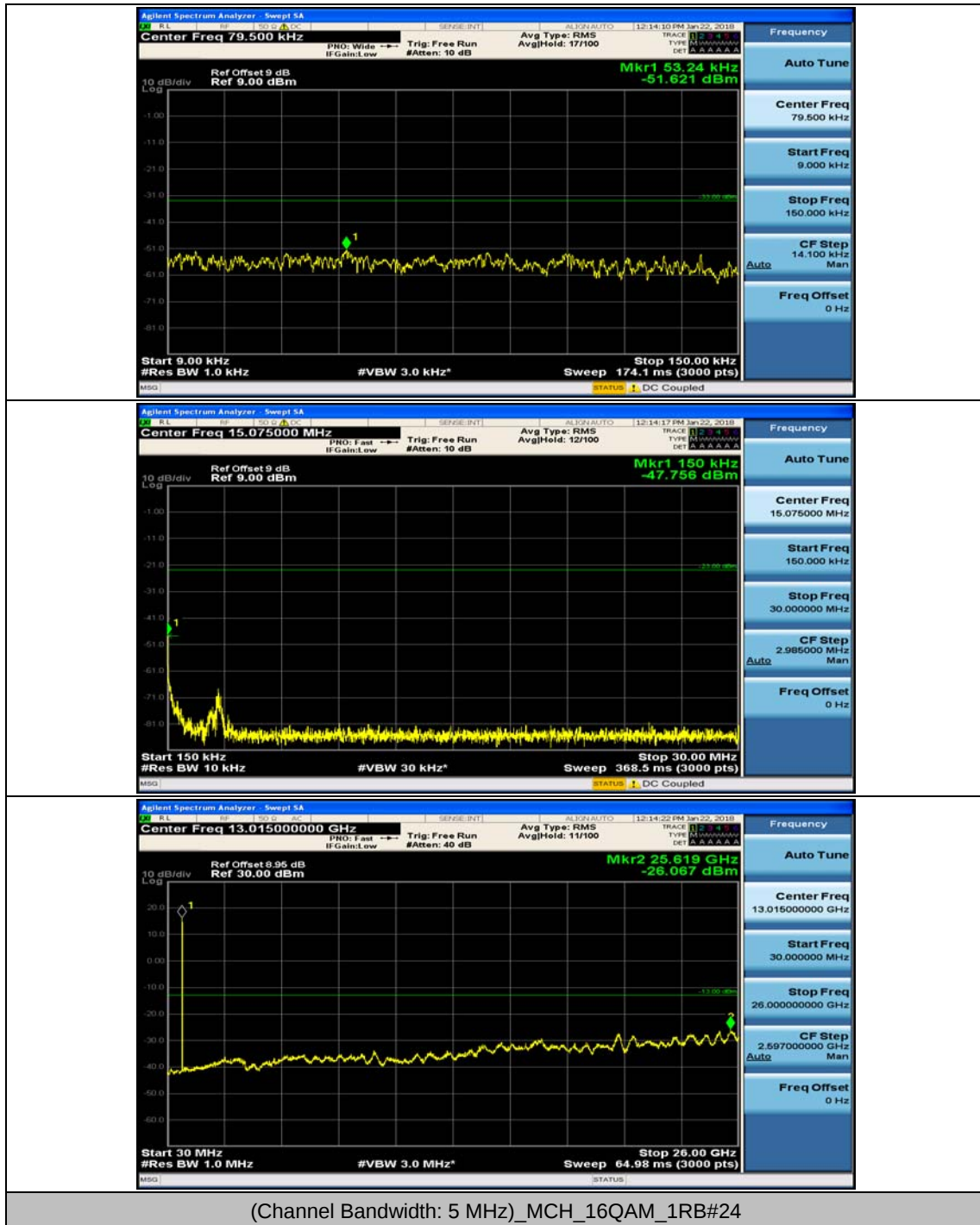


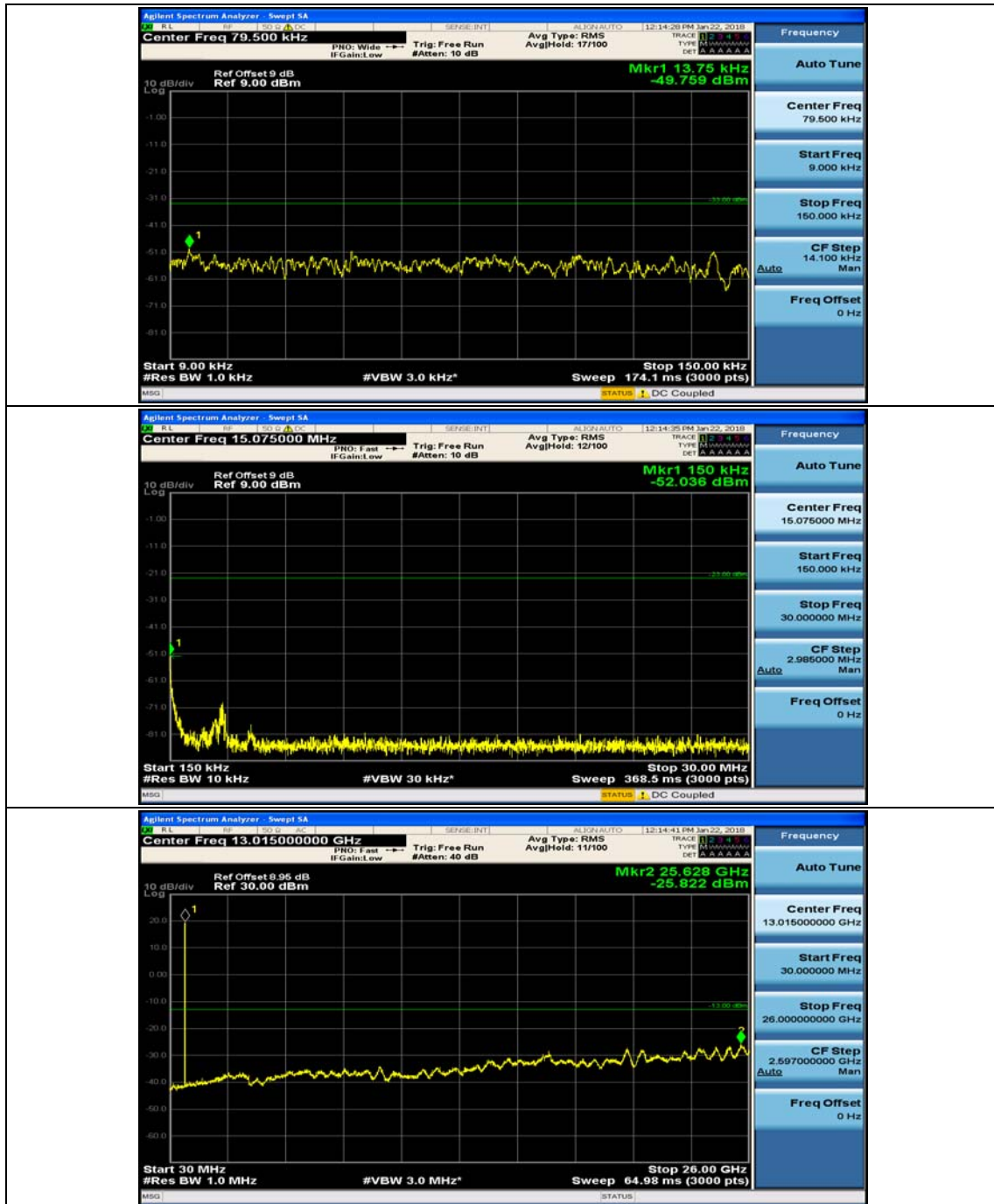


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

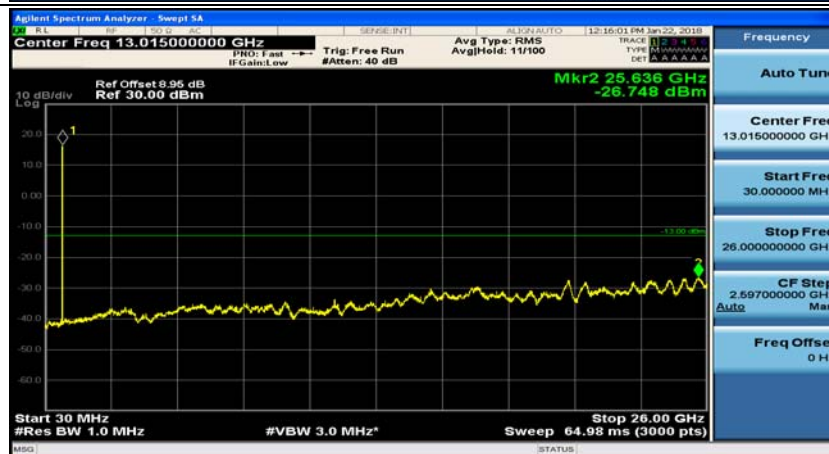
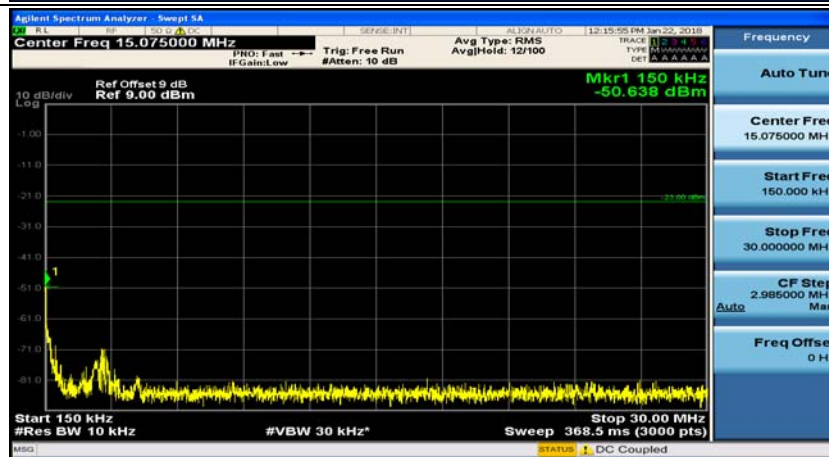
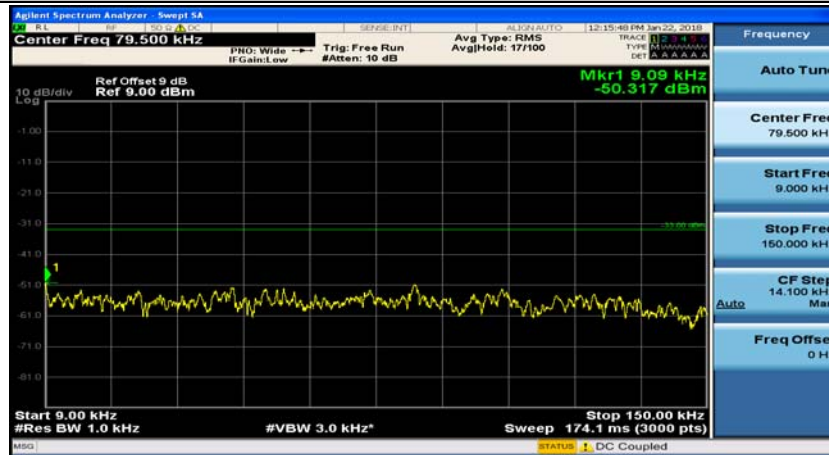


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

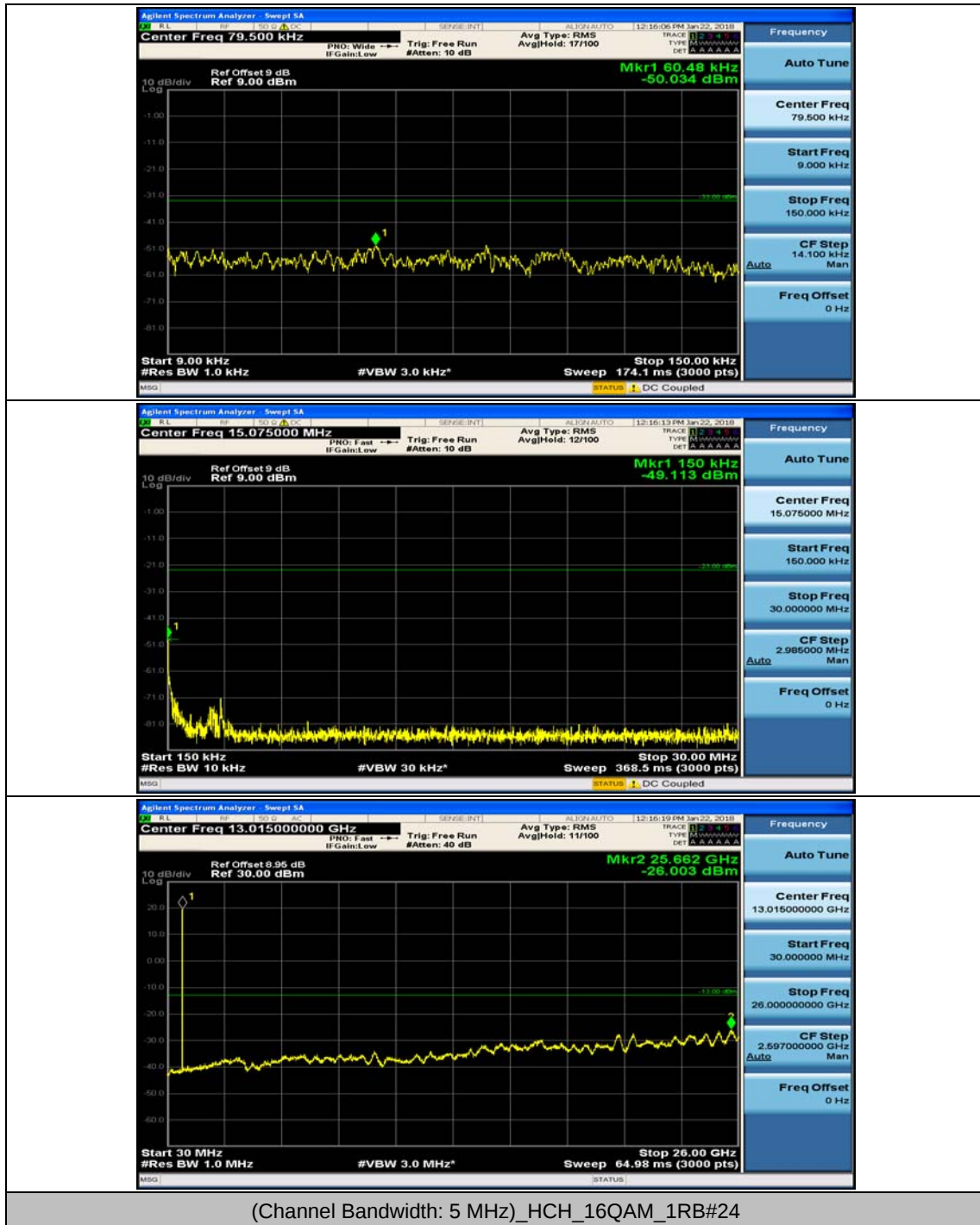


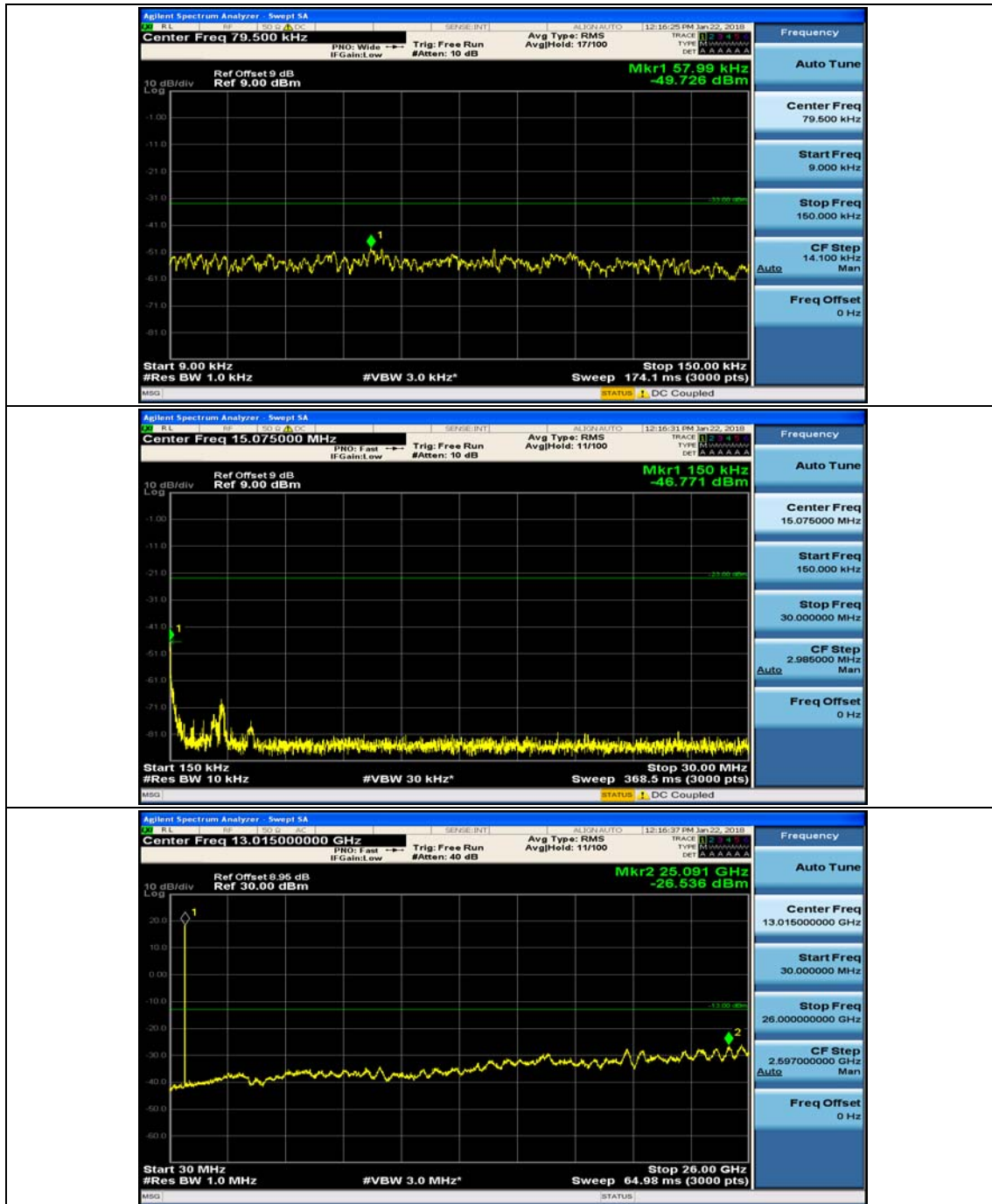


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

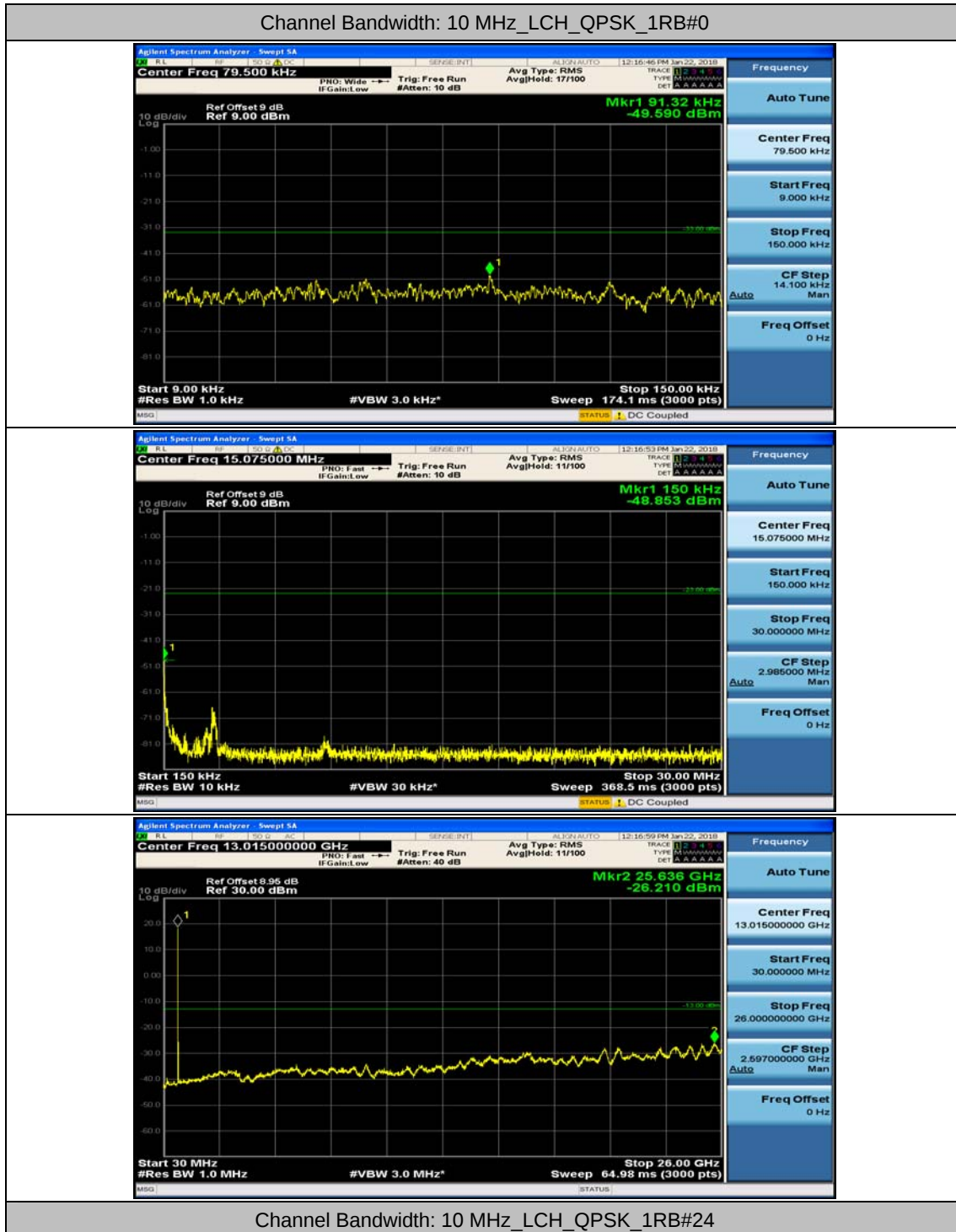


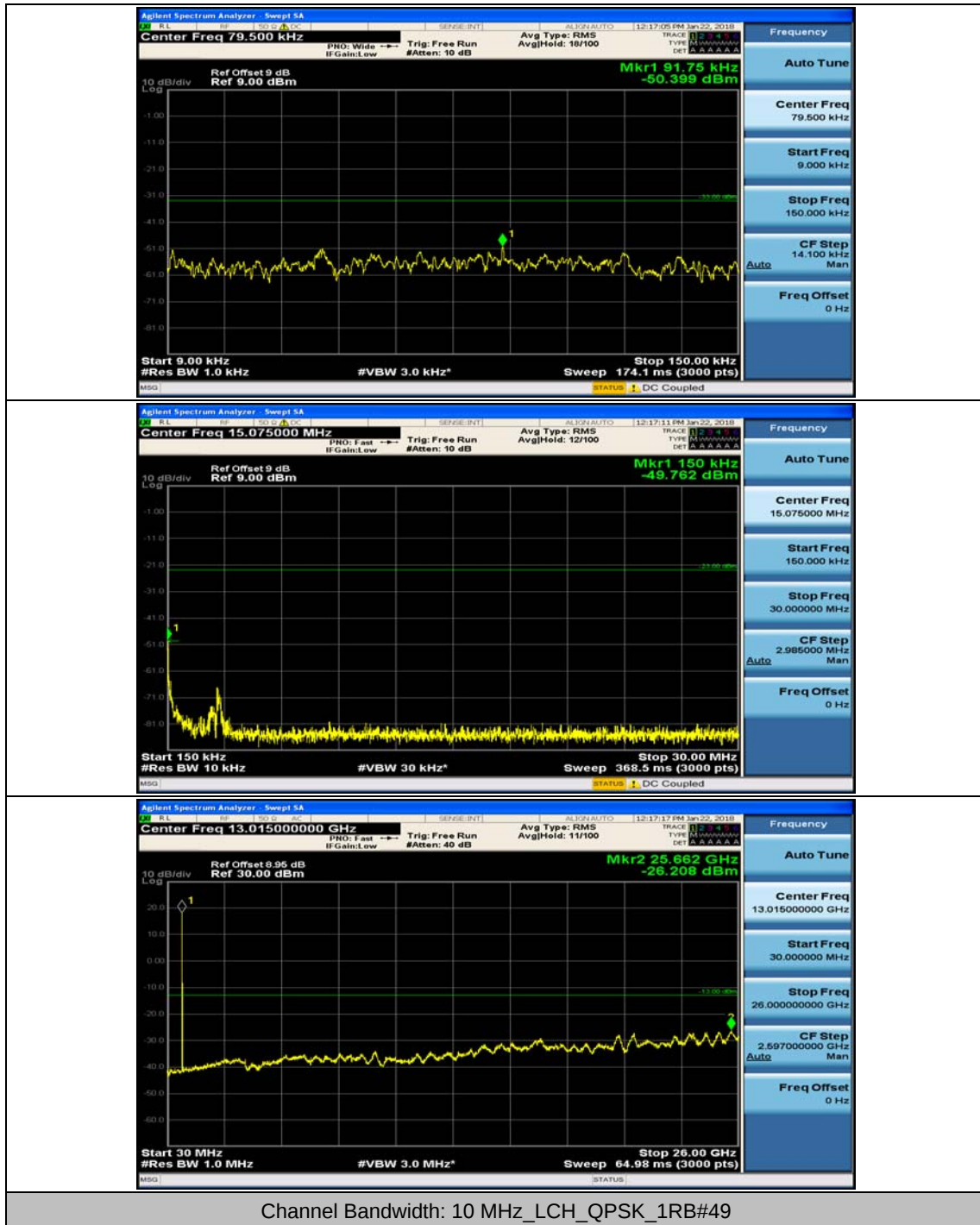
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

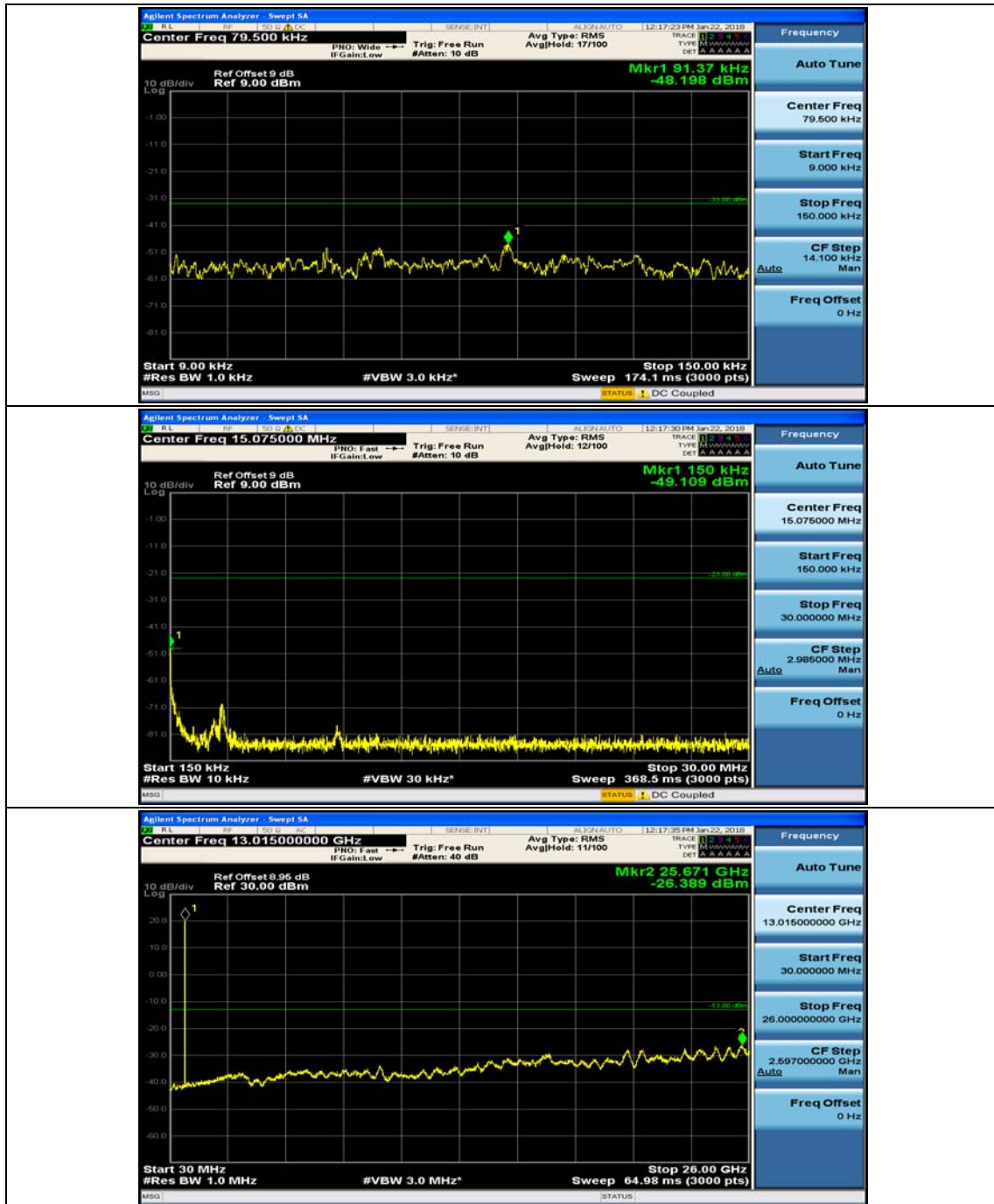




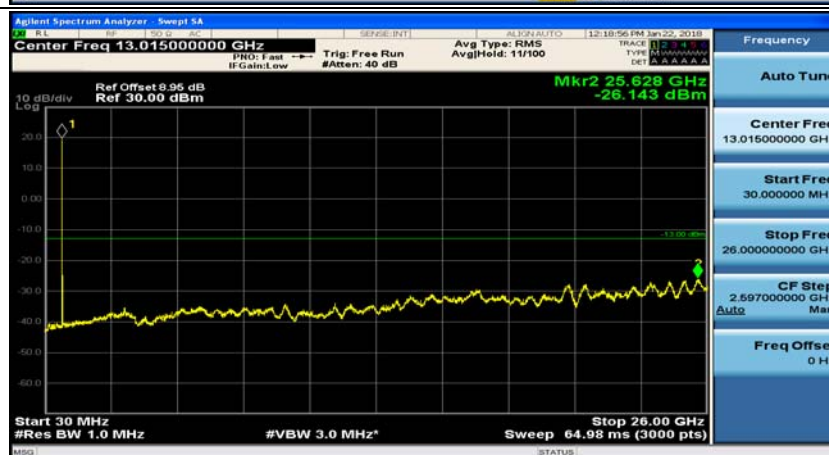
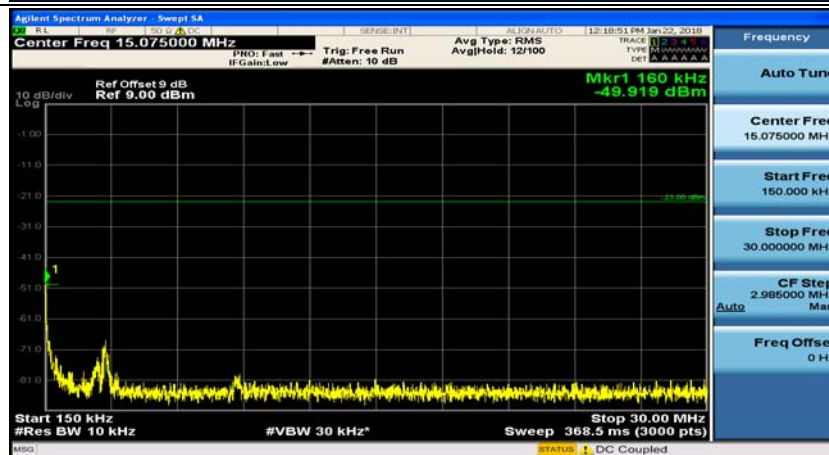
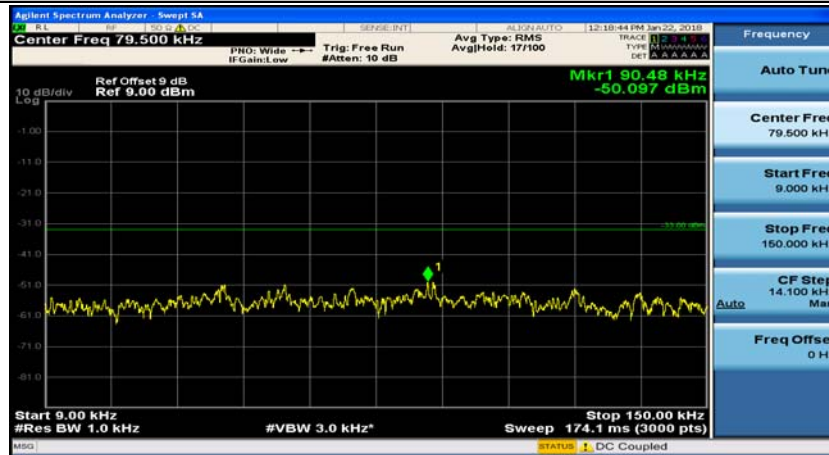
Channel Bandwidth: 10 MHz



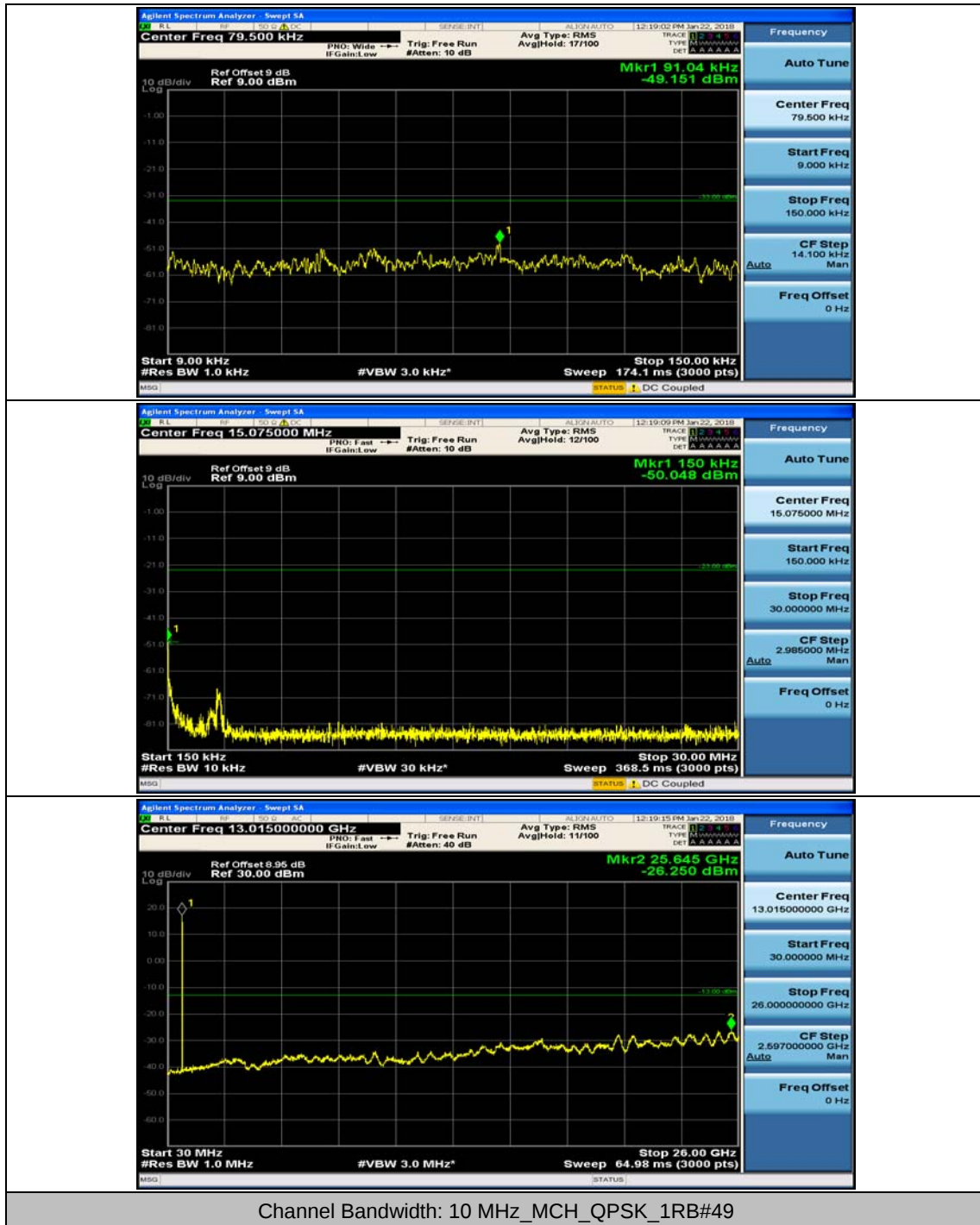


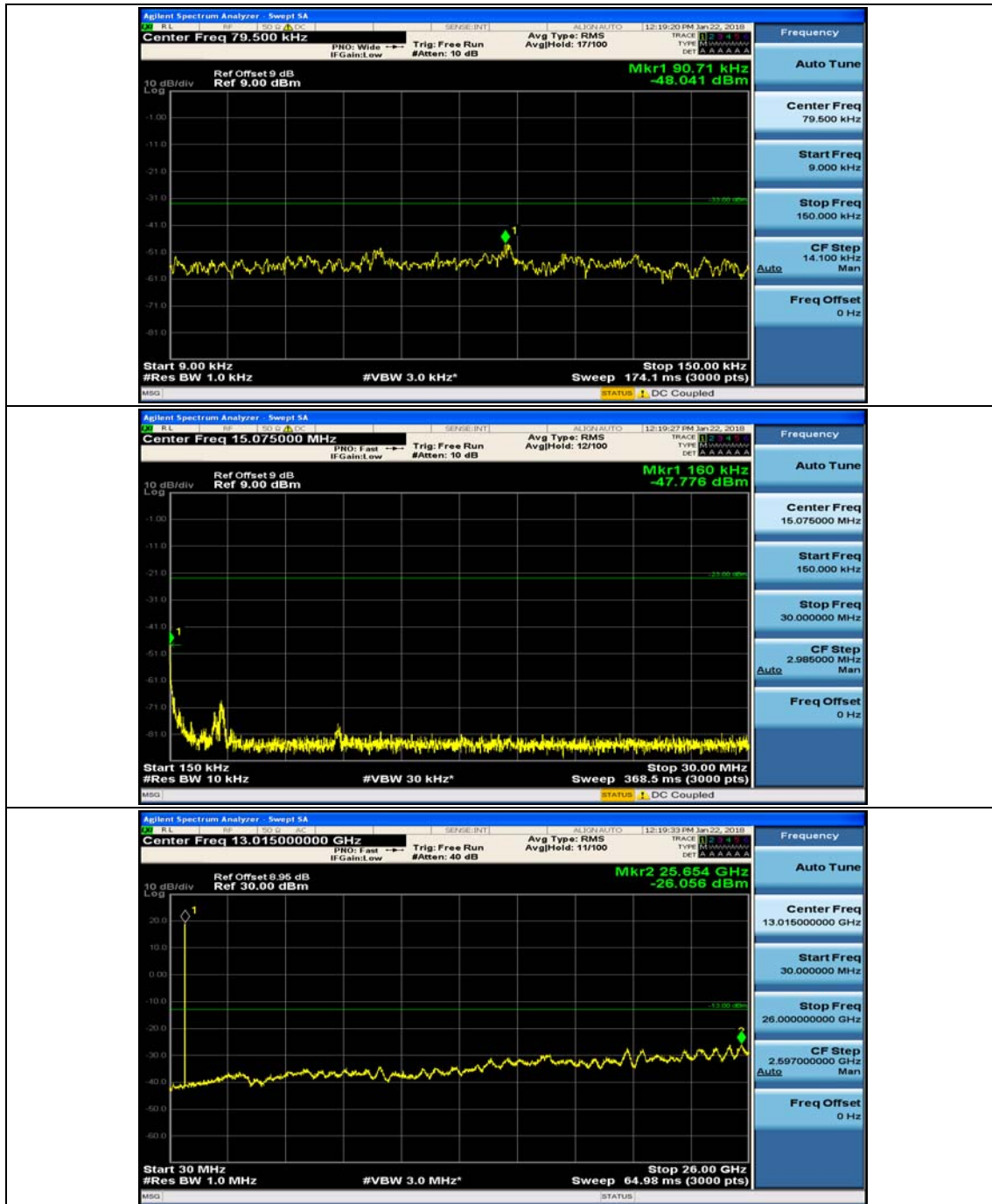


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

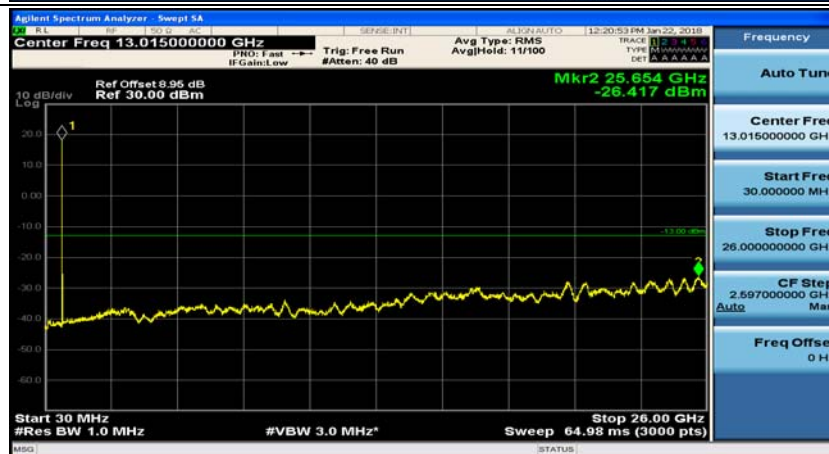
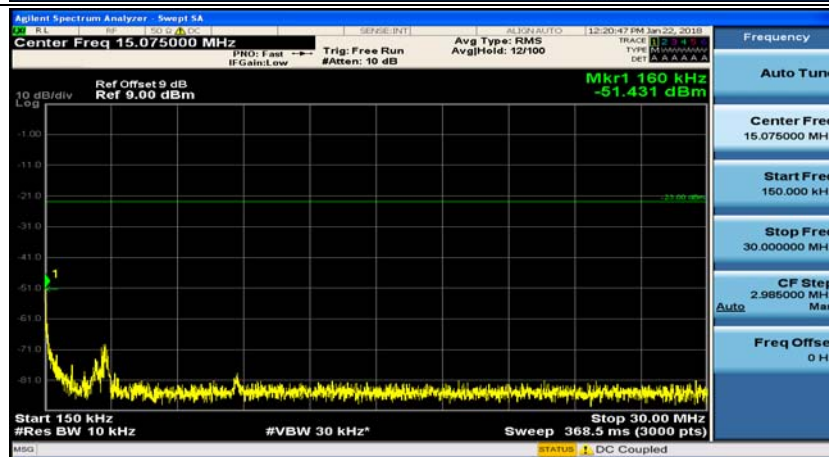
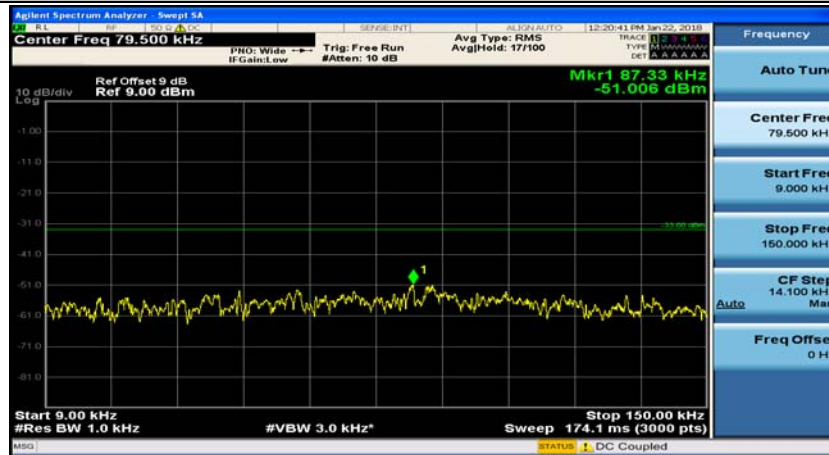


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

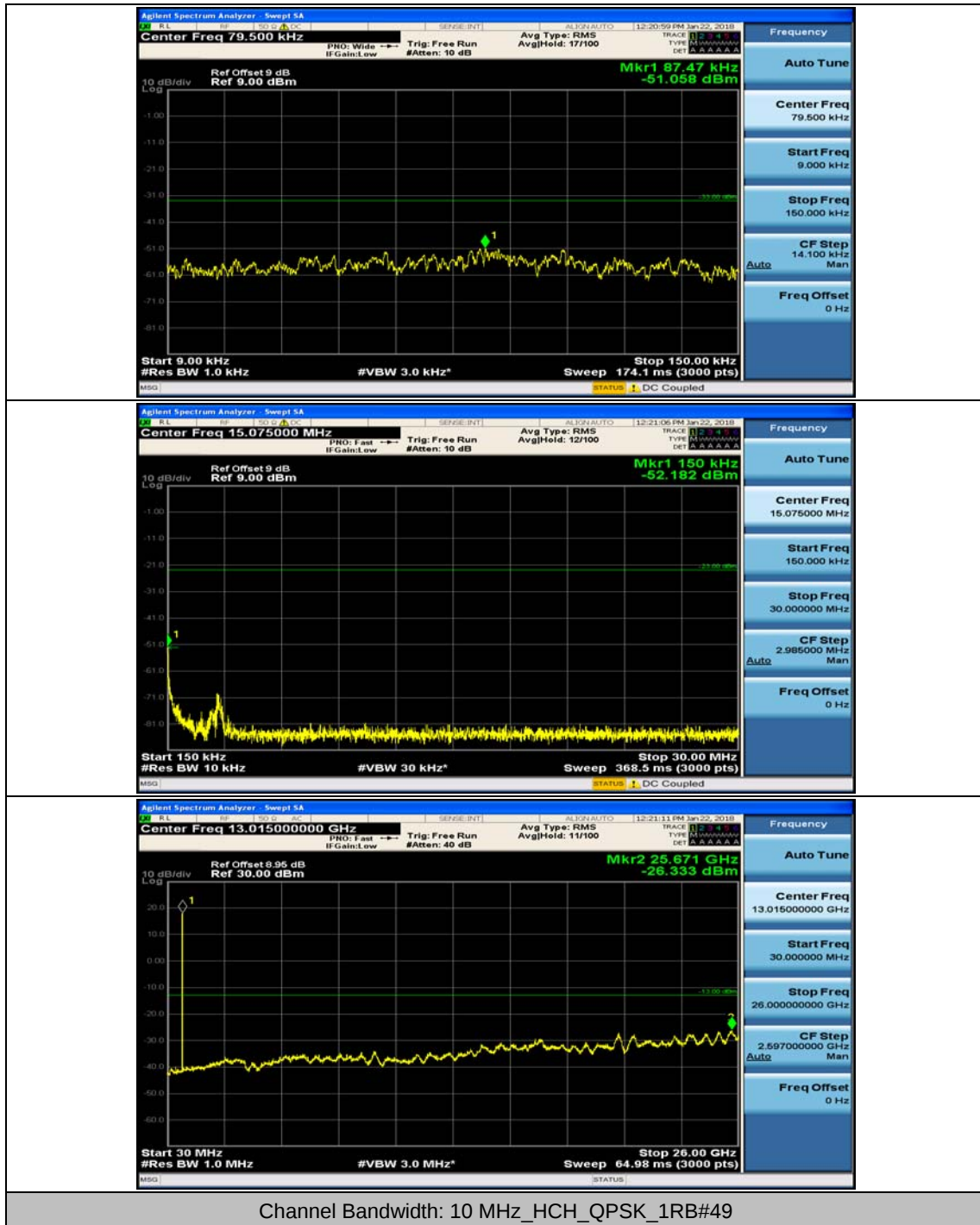


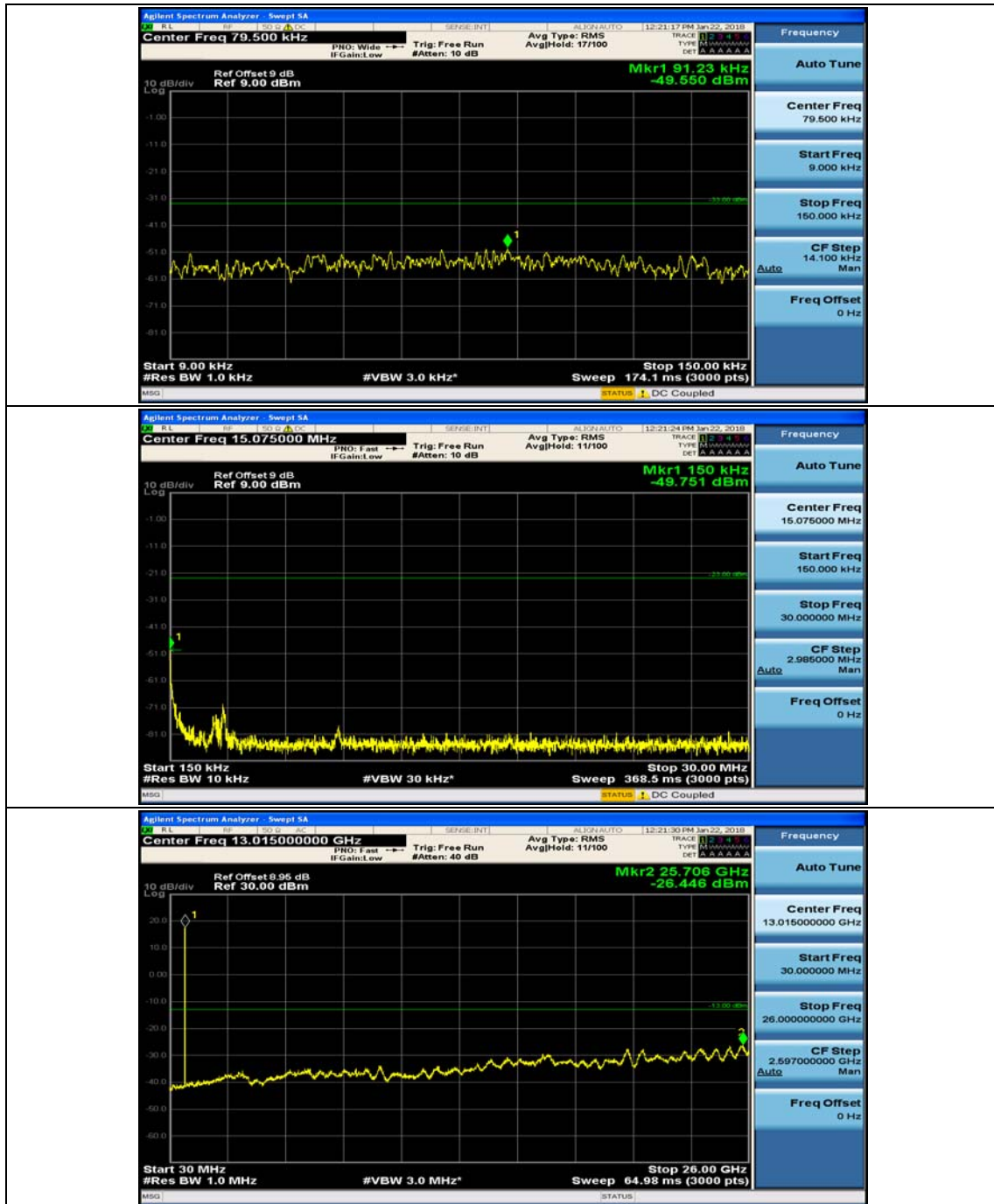


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

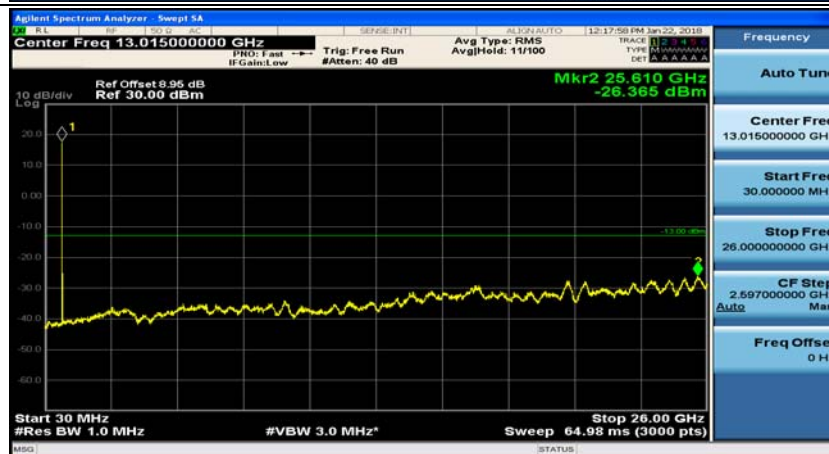
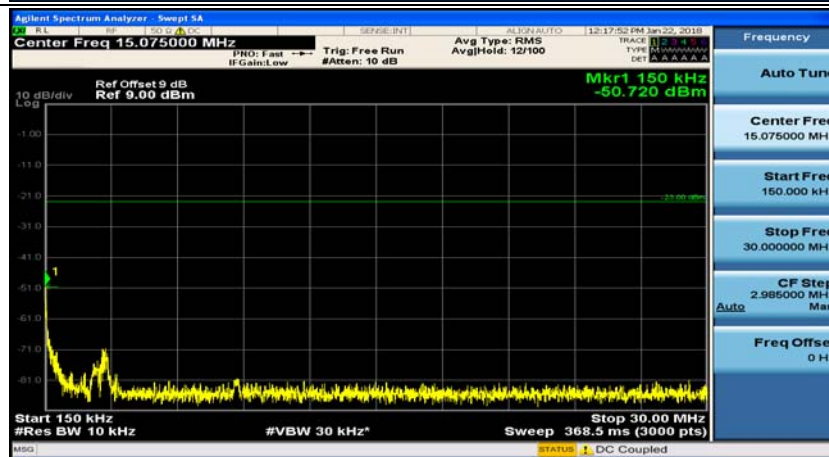
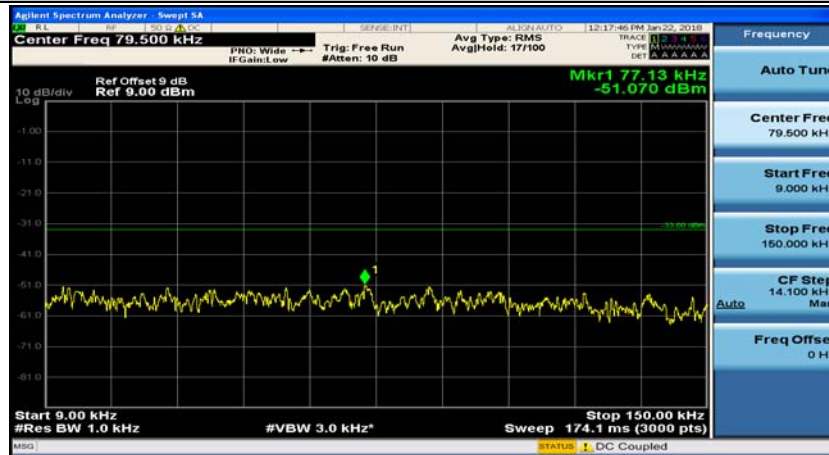


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

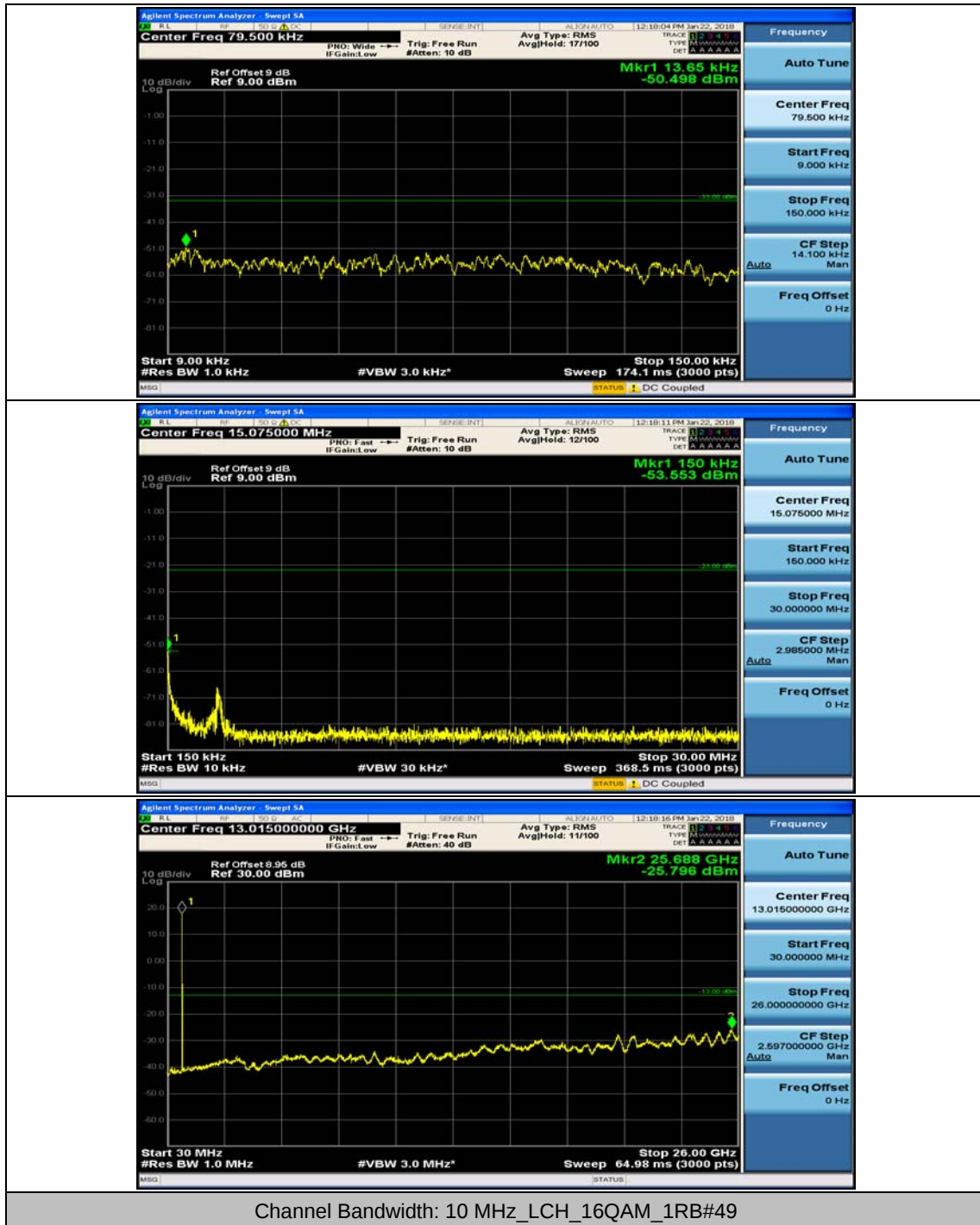


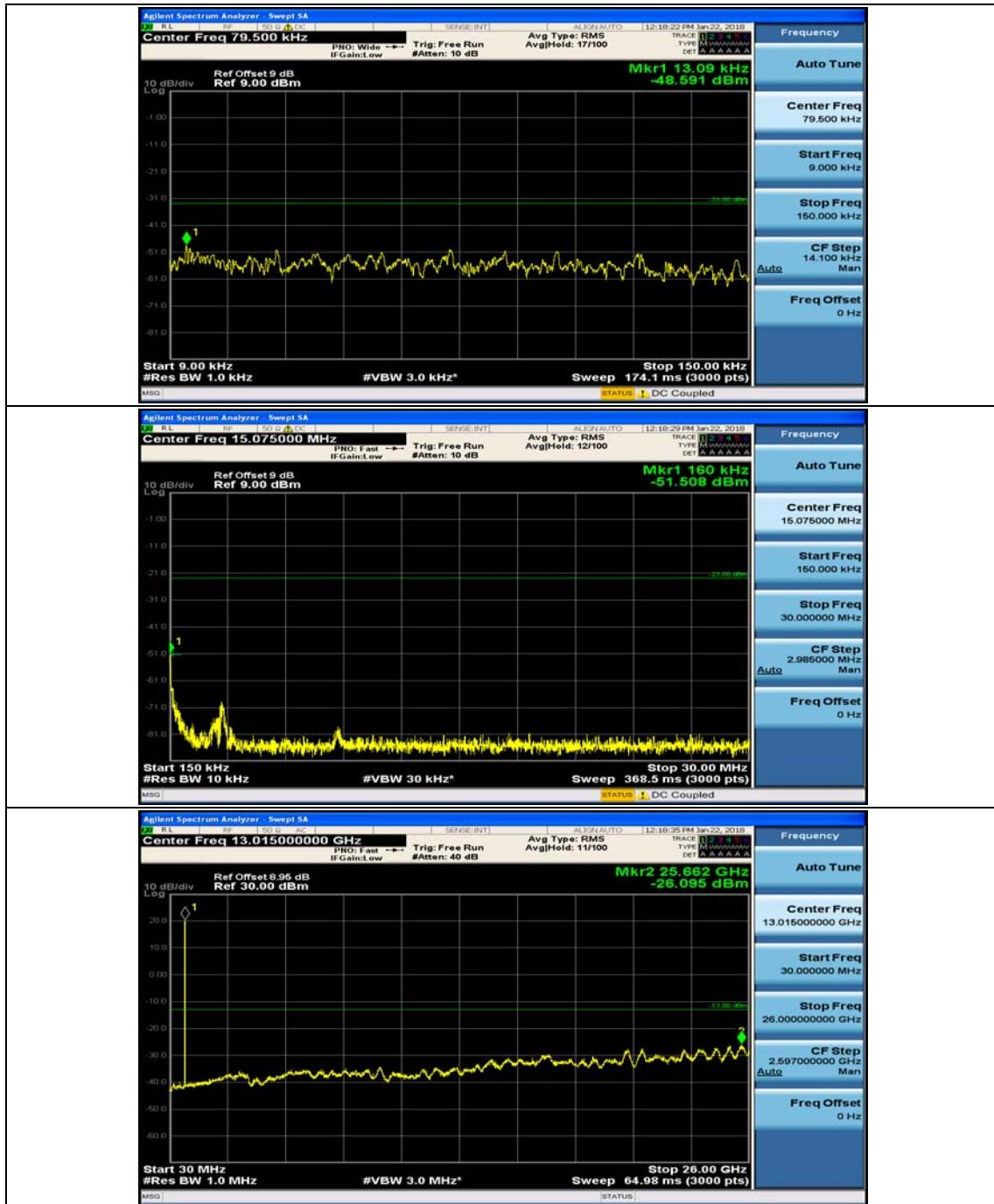


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

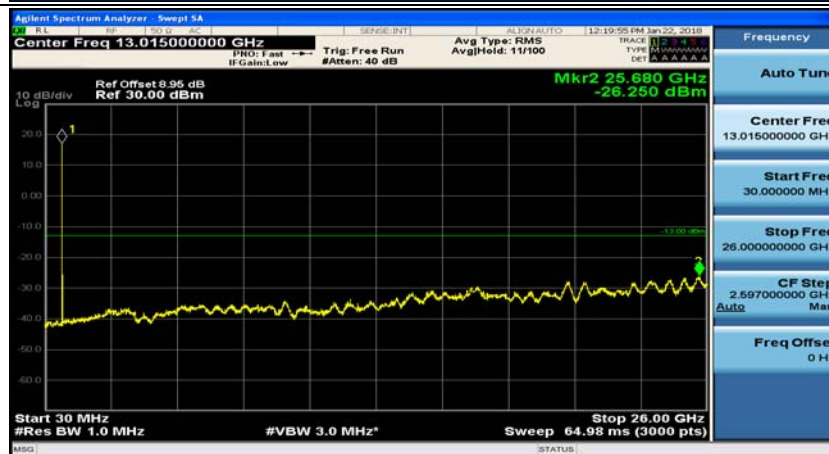
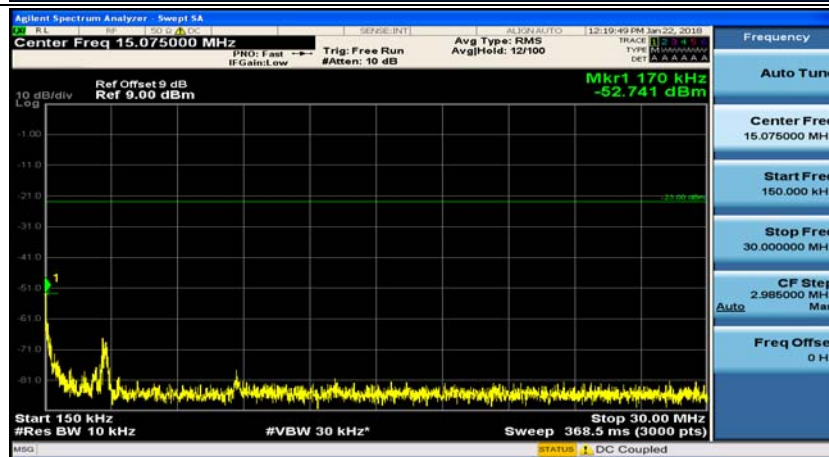
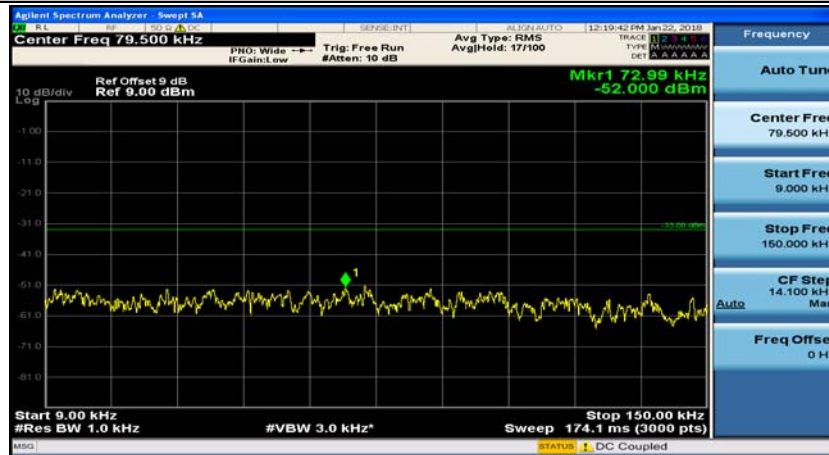


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

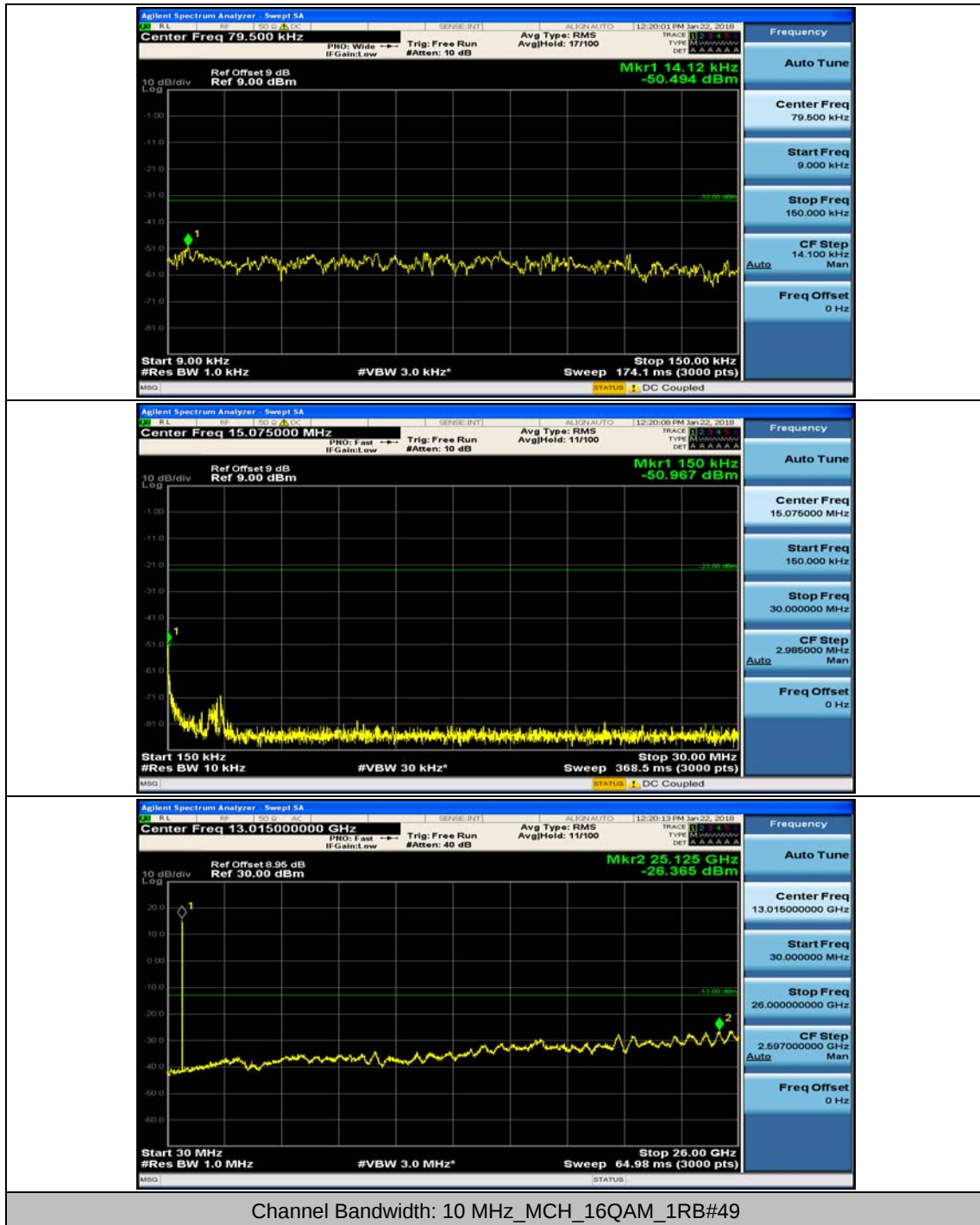


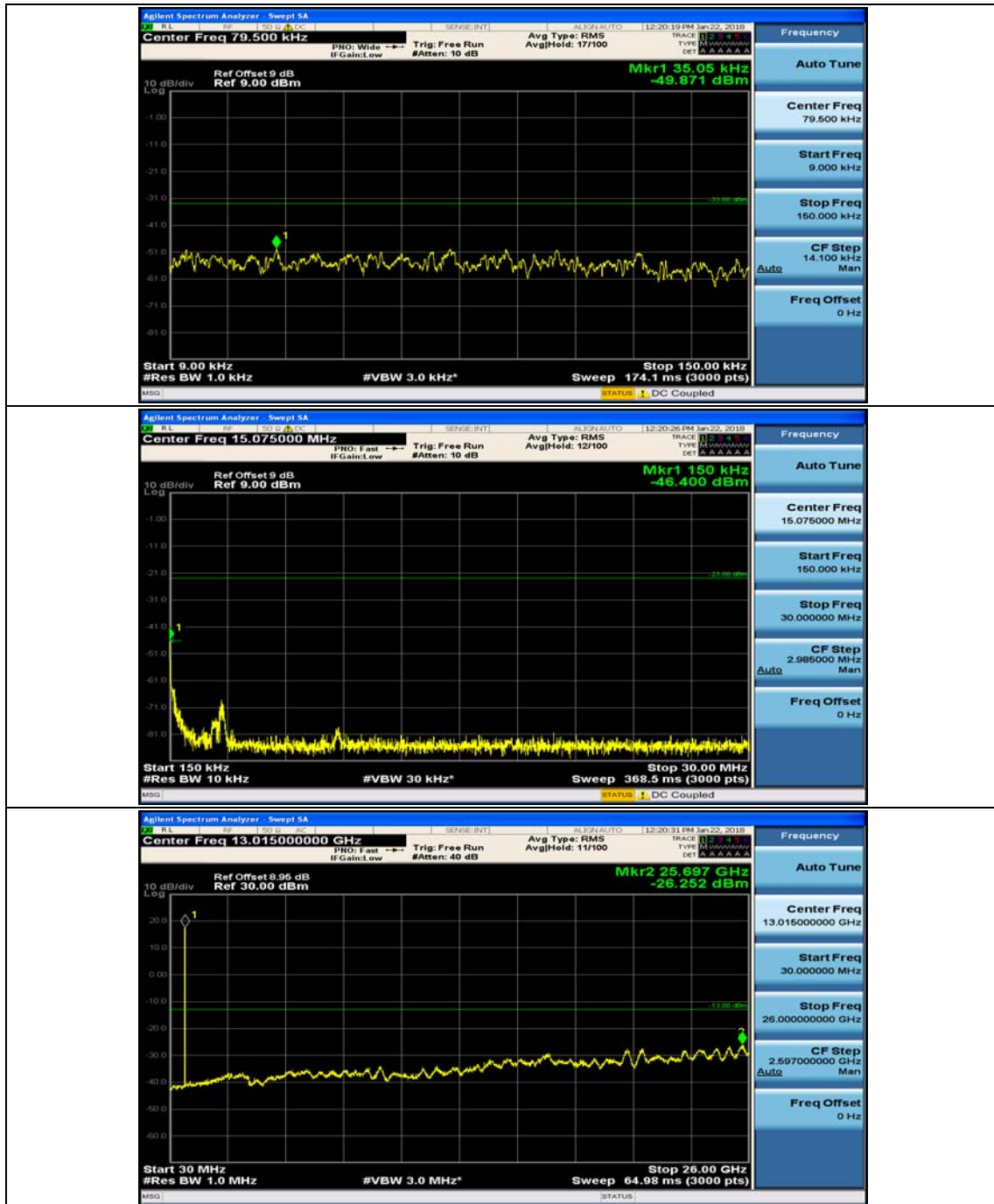


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

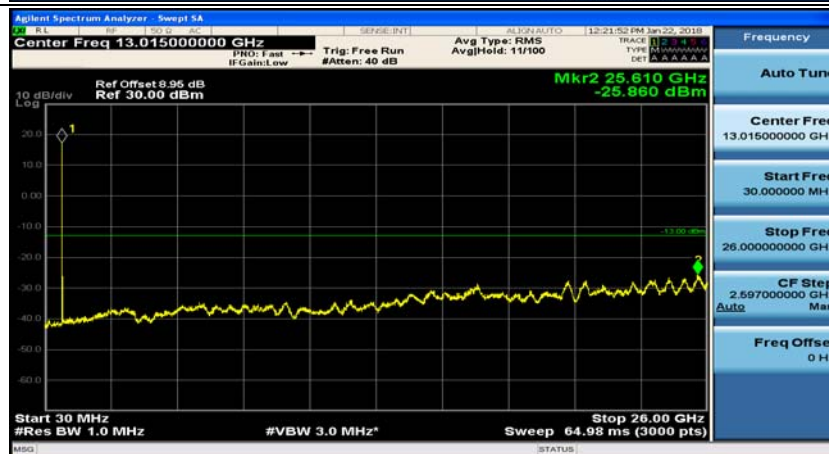
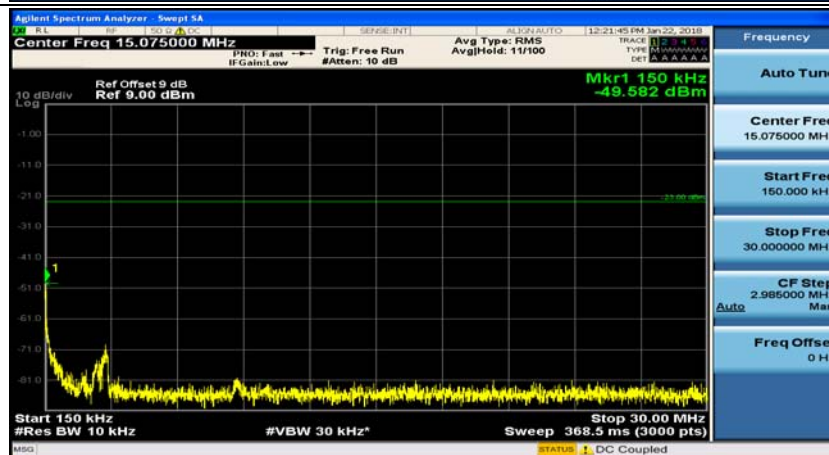


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

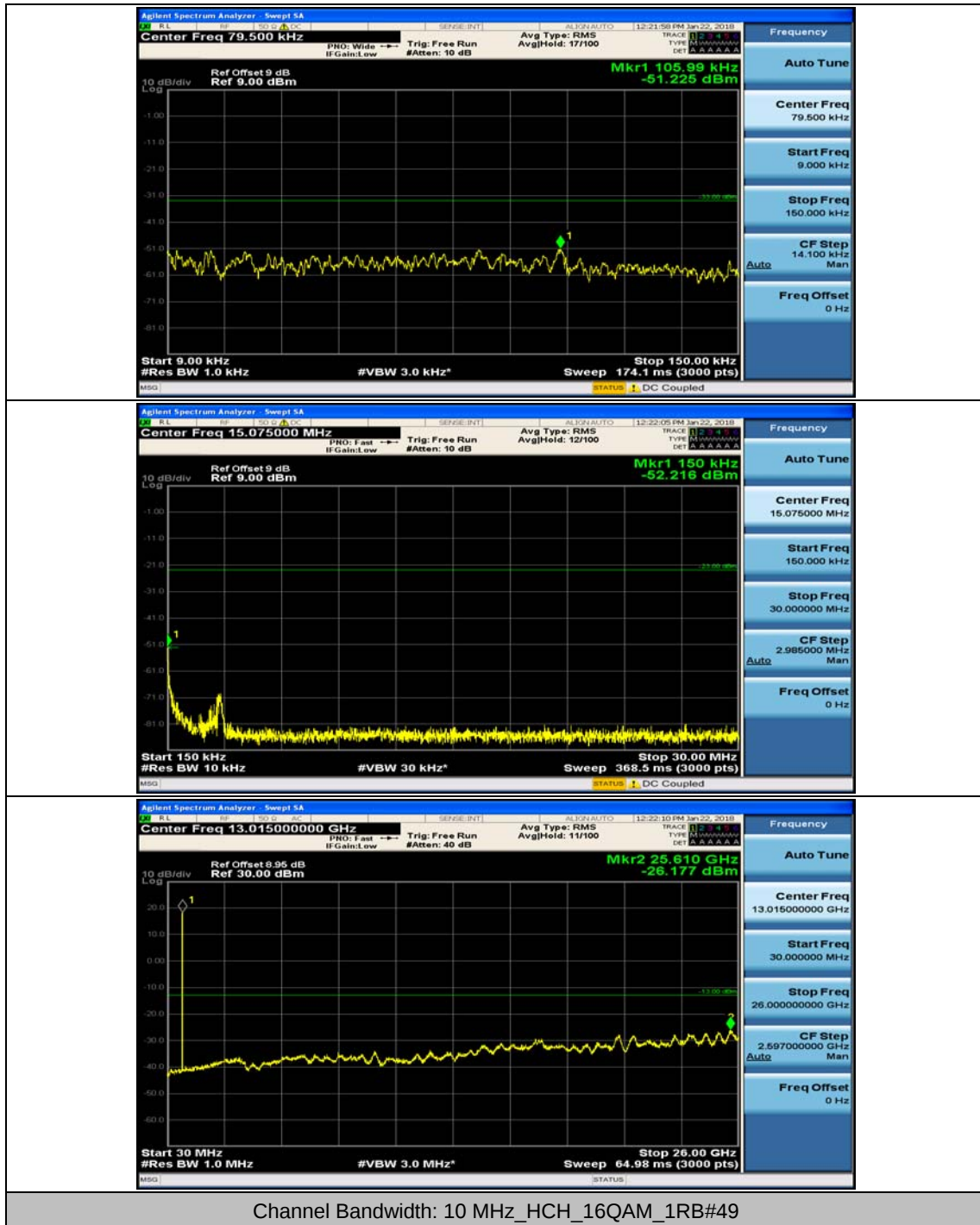


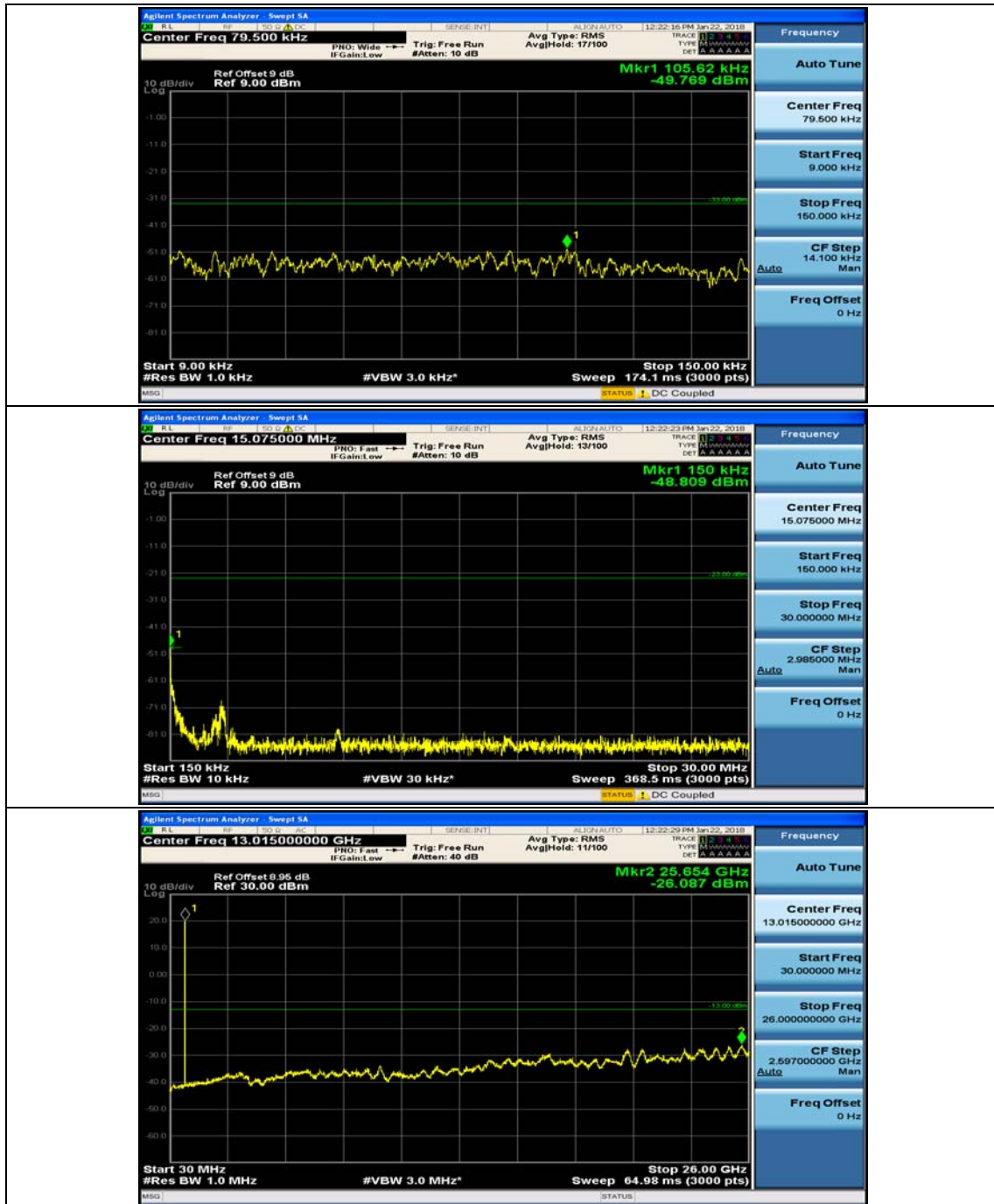


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





Appendix E: Frequency Stability

Test Result

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	1.99	0.002817	± 2.5	PASS
		VN	TN	1.39	0.001967	± 2.5	PASS
		VH	TN	-0.96	-0.001359	± 2.5	PASS
	MCH	VL	TN	4.96	0.006986	± 2.5	PASS
		VN	TN	-0.51	-0.000718	± 2.5	PASS
		VH	TN	3.84	0.005408	± 2.5	PASS
	HCH	VL	TN	1.35	0.001892	± 2.5	PASS
		VN	TN	-1.18	-0.001654	± 2.5	PASS
		VH	TN	1.4	0.001962	± 2.5	PASS
16QAM	LCH	VL	TN	1.82	0.002576	± 2.5	PASS
		VN	TN	1.75	0.002477	± 2.5	PASS
		VH	TN	3.69	0.005223	± 2.5	PASS
	MCH	VL	TN	2.82	0.003972	± 2.5	PASS
		VN	TN	2.96	0.004169	± 2.5	PASS
		VH	TN	2.93	0.004127	± 2.5	PASS
	HCH	VL	TN	-0.63	-0.000883	± 2.5	PASS
		VN	TN	0.55	0.000771	± 2.5	PASS
		VH	TN	1.37	0.001920	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.3	-0.000425	± 2.5	PASS
		VN	-20	3.24	0.004586	± 2.5	PASS
		VN	-10	0.73	0.001033	± 2.5	PASS
		VN	0	2.19	0.003100	± 2.5	PASS
		VN	10	2.16	0.003057	± 2.5	PASS
		VN	20	-0.67	-0.000948	± 2.5	PASS
		VN	30	-0.35	-0.000495	± 2.5	PASS

		VN	40	2.24	0.003171	± 2.5	PASS
		VN	50	2.52	0.003567	± 2.5	PASS
	MCH	VN	-30	0.42	0.000592	± 2.5	PASS
		VN	-20	1.9	0.002676	± 2.5	PASS
		VN	-10	2.46	0.003465	± 2.5	PASS
		VN	0	3.38	0.004761	± 2.5	PASS
		VN	10	1.07	0.001507	± 2.5	PASS
		VN	20	0.6	0.000845	± 2.5	PASS
		VN	30	-0.07	-0.000099	± 2.5	PASS
		VN	40	3.05	0.004296	± 2.5	PASS
		VN	50	-0.11	-0.000155	± 2.5	PASS
		VN	-30	-1.17	-0.001640	± 2.5	PASS
	HCH	VN	-20	4.55	0.006377	± 2.5	PASS
		VN	-10	-0.02	-0.000028	± 2.5	PASS
		VN	0	1.61	0.002256	± 2.5	PASS
		VN	10	0.63	0.000883	± 2.5	PASS
		VN	20	0.43	0.000603	± 2.5	PASS
		VN	30	5	0.007008	± 2.5	PASS
		VN	40	0.91	0.001275	± 2.5	PASS
		VN	50	2.83	0.003966	± 2.5	PASS
16QAM	LCH	VN	-30	4	0.005662	± 2.5	PASS
		VN	-20	-1.46	-0.002067	± 2.5	PASS
		VN	-10	3.37	0.004770	± 2.5	PASS
		VN	0	4.38	0.006200	± 2.5	PASS
		VN	10	0.63	0.000892	± 2.5	PASS
		VN	20	-0.58	-0.000821	± 2.5	PASS
		VN	30	4.09	0.005789	± 2.5	PASS
		VN	40	3.41	0.004827	± 2.5	PASS
		VN	50	3.46	0.004897	± 2.5	PASS
	MCH	VN	-30	2.13	0.002985	± 2.5	PASS
		VN	-20	-1.16	-0.001626	± 2.5	PASS
		VN	-10	1.36	0.001906	± 2.5	PASS
		VN	0	-1.47	-0.002060	± 2.5	PASS
		VN	10	4.97	0.006966	± 2.5	PASS
		VN	20	-1.32	-0.001850	± 2.5	PASS
		VN	30	0.75	0.001051	± 2.5	PASS
		VN	40	1.74	0.002439	± 2.5	PASS
		VN	50	-0.53	-0.000743	± 2.5	PASS
	HCH	VN	-30	0.84	0.001177	± 2.5	PASS
		VN	-20	3.65	0.005116	± 2.5	PASS
		VN	-10	3.2	0.004485	± 2.5	PASS

		VN	0	1.26	0.001766	± 2.5	PASS
		VN	10	2.38	0.003336	± 2.5	PASS
		VN	20	-1.42	-0.001990	± 2.5	PASS
		VN	30	4.98	0.006980	± 2.5	PASS
		VN	40	2.99	0.004191	± 2.5	PASS
		VN	50	-0.04	-0.000056	± 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	3.04	0.004288	± 2.5	PASS
		VN	TN	-0.26	-0.000367	± 2.5	PASS
		VH	TN	-0.53	-0.000748	± 2.5	PASS
	MCH	VL	TN	0.69	0.000972	± 2.5	PASS
		VN	TN	-0.97	-0.001366	± 2.5	PASS
		VH	TN	1.25	0.001761	± 2.5	PASS
	HCH	VL	TN	-1.12	-0.001575	± 2.5	PASS
		VN	TN	1.73	0.002433	± 2.5	PASS
		VH	TN	4.38	0.006160	± 2.5	PASS
16QAM	LCH	VL	TN	3.55	0.005007	± 2.5	PASS
		VN	TN	4.73	0.006671	± 2.5	PASS
		VH	TN	-1.2	-0.001693	± 2.5	PASS
	MCH	VL	TN	2.31	0.003254	± 2.5	PASS
		VN	TN	4.99	0.007028	± 2.5	PASS
		VH	TN	3.2	0.004507	± 2.5	PASS
	HCH	VL	TN	0.76	0.001069	± 2.5	PASS
		VN	TN	4.08	0.005738	± 2.5	PASS
		VH	TN	-0.46	-0.000647	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.52	0.000733	± 2.5	PASS
		VN	-20	1.45	0.002045	± 2.5	PASS
		VN	-10	3.37	0.004753	± 2.5	PASS
		VN	0	4.85	0.006841	± 2.5	PASS
		VN	10	-1.53	-0.002158	± 2.5	PASS
		VN	20	3.04	0.004288	± 2.5	PASS
		VN	30	-0.79	-0.001114	± 2.5	PASS
		VN	40	-1.08	-0.001523	± 2.5	PASS

	MCH	VN	50	2.08	0.002934	± 2.5	PASS
		VN	-30	1.02	0.001437	± 2.5	PASS
		VN	-20	3.73	0.005254	± 2.5	PASS
		VN	-10	1.56	0.002197	± 2.5	PASS
		VN	0	-1.49	-0.002099	± 2.5	PASS
		VN	10	3.62	0.005099	± 2.5	PASS
		VN	20	4.48	0.006310	± 2.5	PASS
		VN	30	1.1	0.001549	± 2.5	PASS
		VN	40	2.88	0.004056	± 2.5	PASS
		VN	50	3.58	0.005042	± 2.5	PASS
	HCH	VN	-30	3.81	0.005359	± 2.5	PASS
		VN	-20	2.08	0.002925	± 2.5	PASS
		VN	-10	1.51	0.002124	± 2.5	PASS
		VN	0	1.38	0.001941	± 2.5	PASS
		VN	10	0.33	0.000464	± 2.5	PASS
		VN	20	-0.56	-0.000788	± 2.5	PASS
		VN	30	-0.06	-0.000084	± 2.5	PASS
		VN	40	-1.08	-0.001519	± 2.5	PASS
		VN	50	0.88	0.001238	± 2.5	PASS
QPSK	LCH	VN	-30	-1.85	-0.002606	± 2.5	PASS
		VN	-20	-0.56	-0.000789	± 2.5	PASS
		VN	-10	-1.08	-0.001521	± 2.5	PASS
		VN	0	0.75	0.001056	± 2.5	PASS
		VN	10	2.26	0.003183	± 2.5	PASS
		VN	20	1.08	0.001521	± 2.5	PASS
		VN	30	-1.36	-0.001915	± 2.5	PASS
		VN	40	0.06	0.000085	± 2.5	PASS
		VN	50	4.6	0.006479	± 2.5	PASS
	MCH	VN	-30	0.74	0.001041	± 2.5	PASS
		VN	-20	-0.87	-0.001224	± 2.5	PASS
		VN	-10	3.42	0.004810	± 2.5	PASS
		VN	0	1.85	0.002602	± 2.5	PASS
		VN	10	4.47	0.006287	± 2.5	PASS
		VN	20	4.77	0.006709	± 2.5	PASS
		VN	30	-1.32	-0.001857	± 2.5	PASS
		VN	40	2.94	0.004135	± 2.5	PASS
		VN	50	0.92	0.001294	± 2.5	PASS
	HCH	VN	-30	1.98	0.002785	± 2.5	PASS
		VN	-20	4.16	0.005851	± 2.5	PASS
		VN	-10	4.53	0.006371	± 2.5	PASS
		VN	0	-1.01	-0.001421	± 2.5	PASS

		VN	10	4.06	0.005710	± 2.5	PASS
		VN	20	3.63	0.005105	± 2.5	PASS
		VN	30	3.79	0.005331	± 2.5	PASS
		VN	40	4.65	0.006540	± 2.5	PASS
		VN	50	1.64	0.002307	± 2.5	PASS