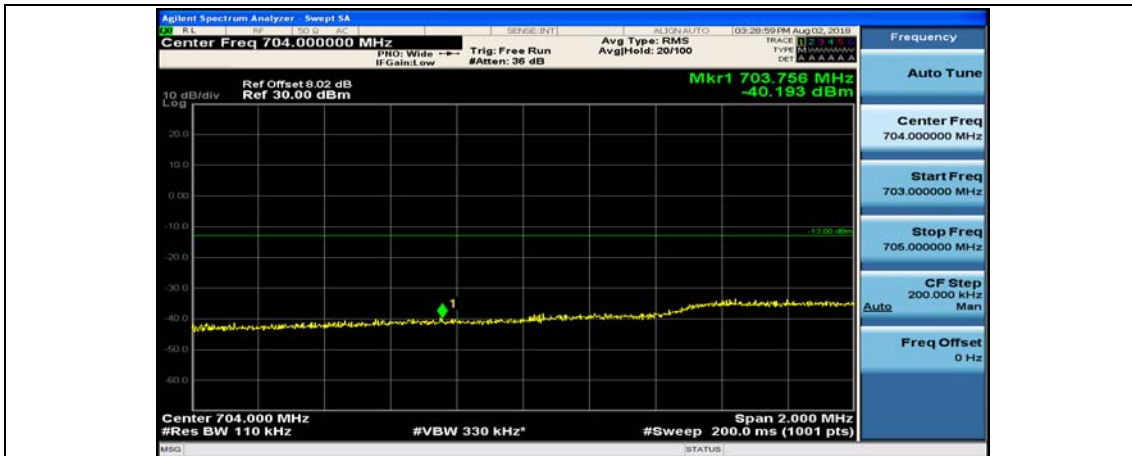
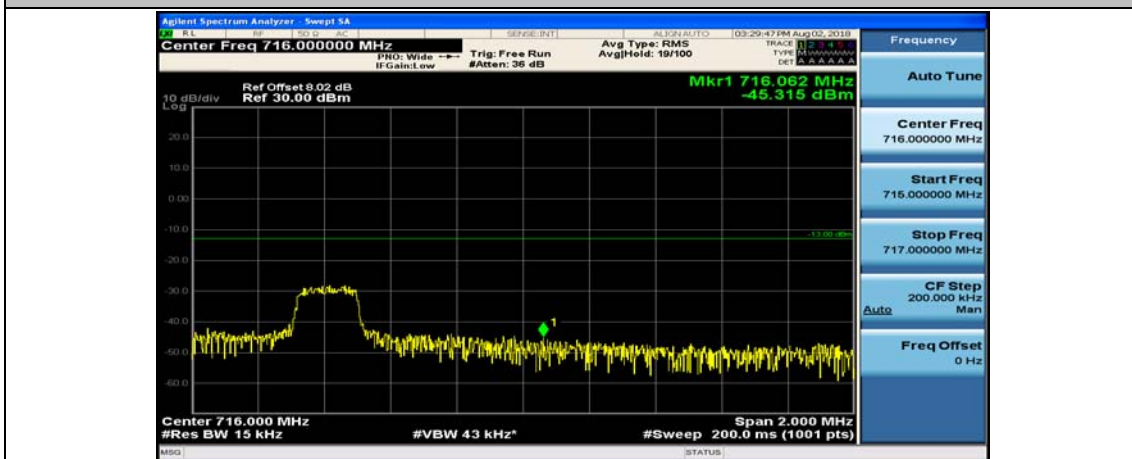




Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



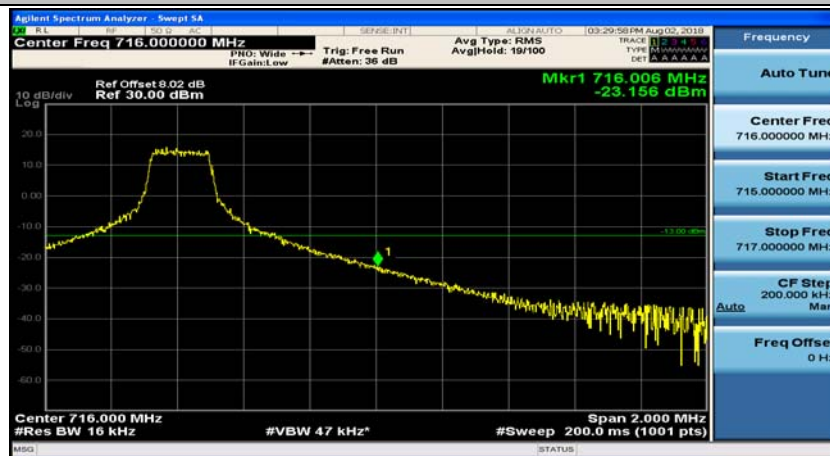
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



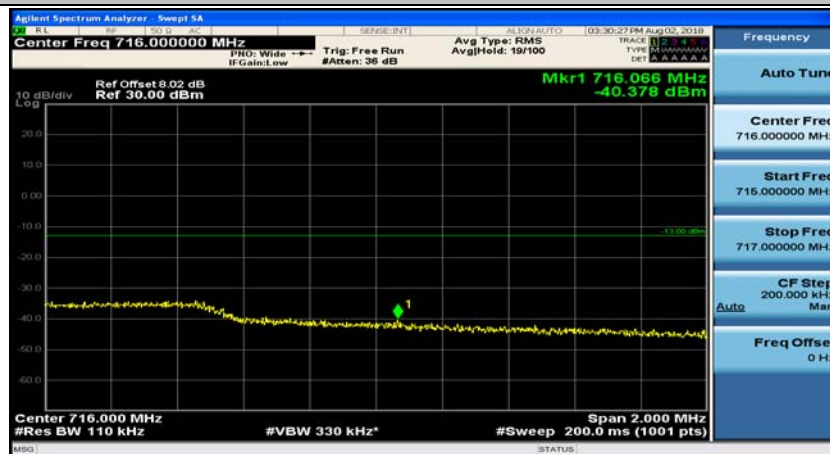
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



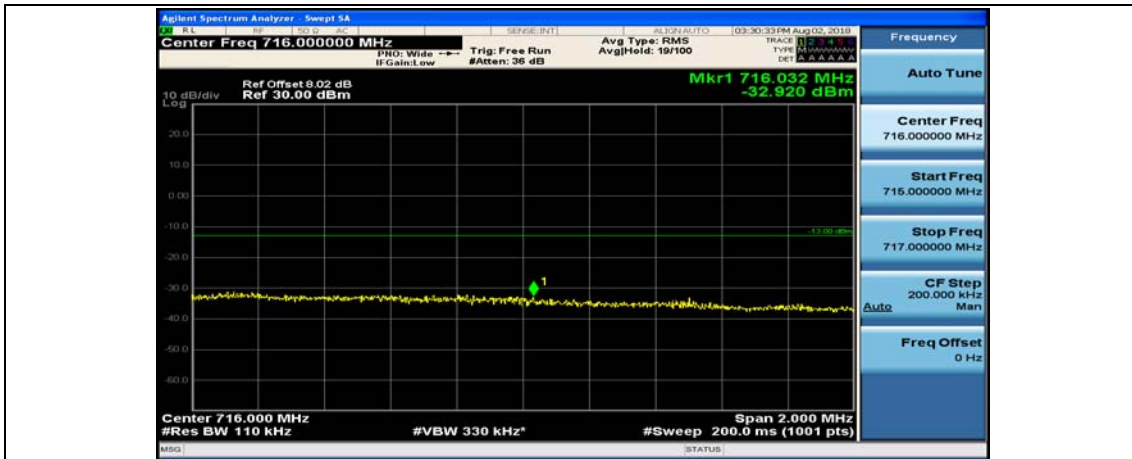
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



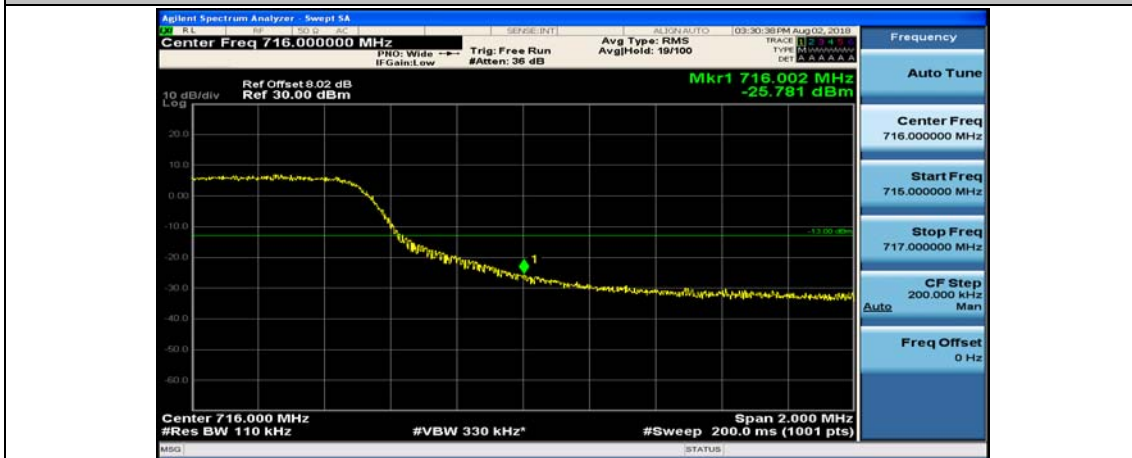
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



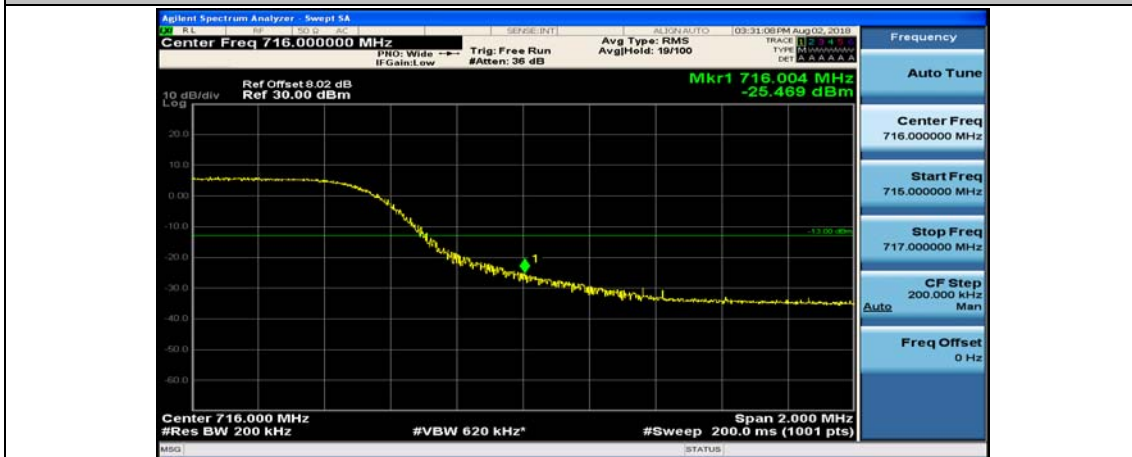
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



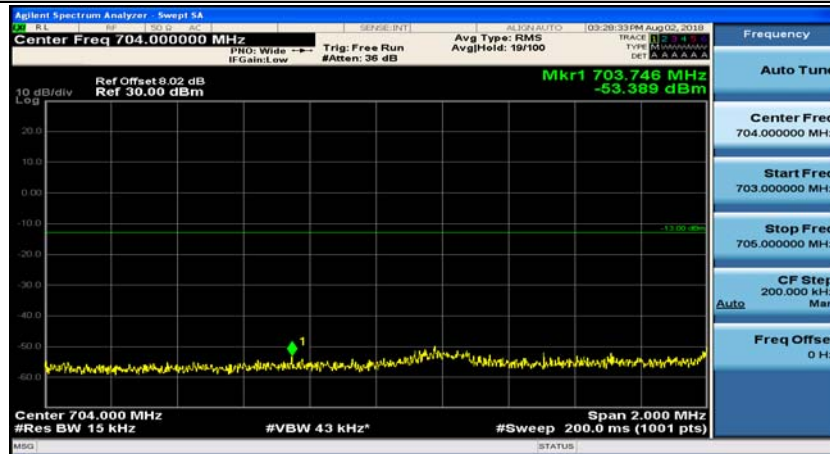
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



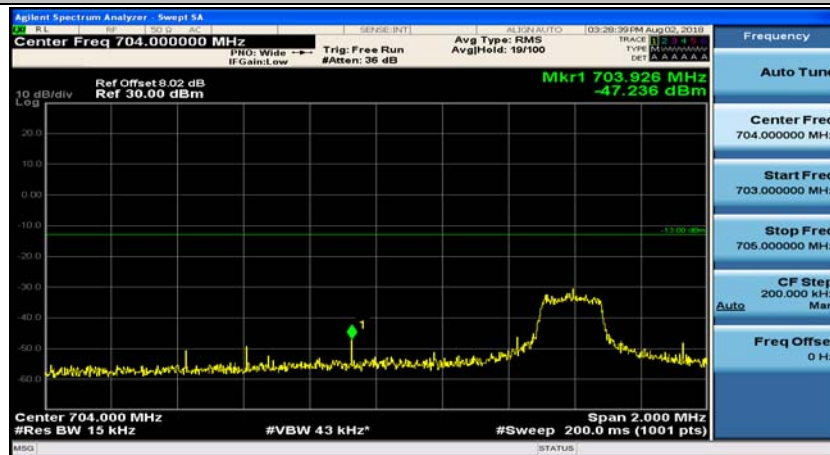
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



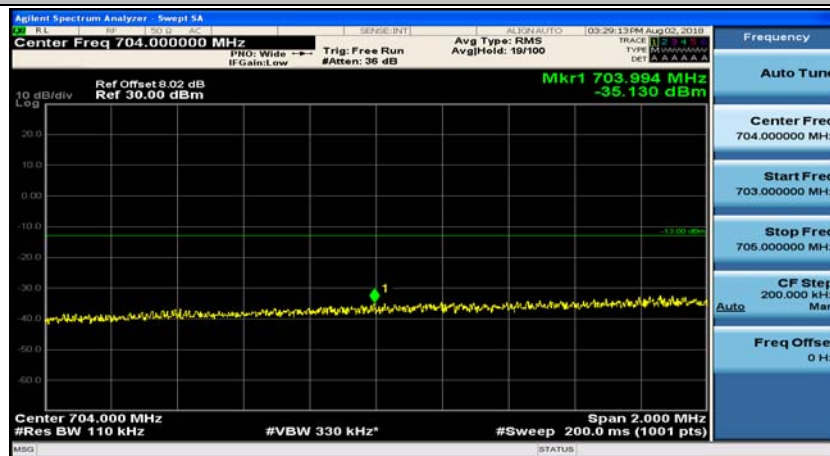
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



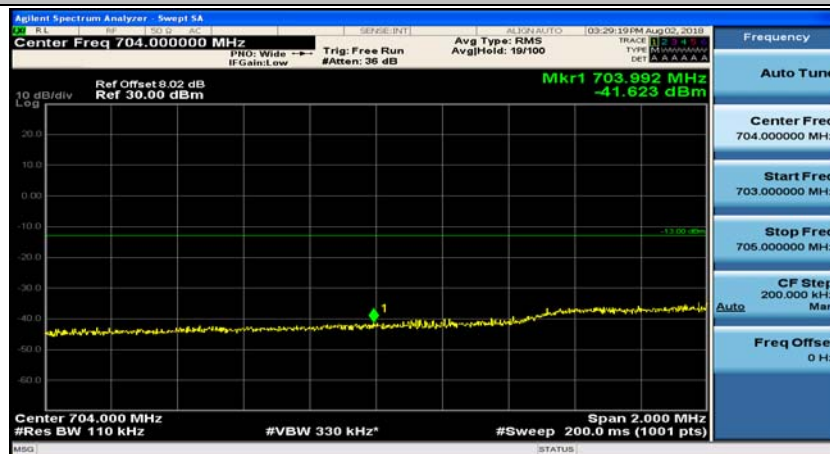
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



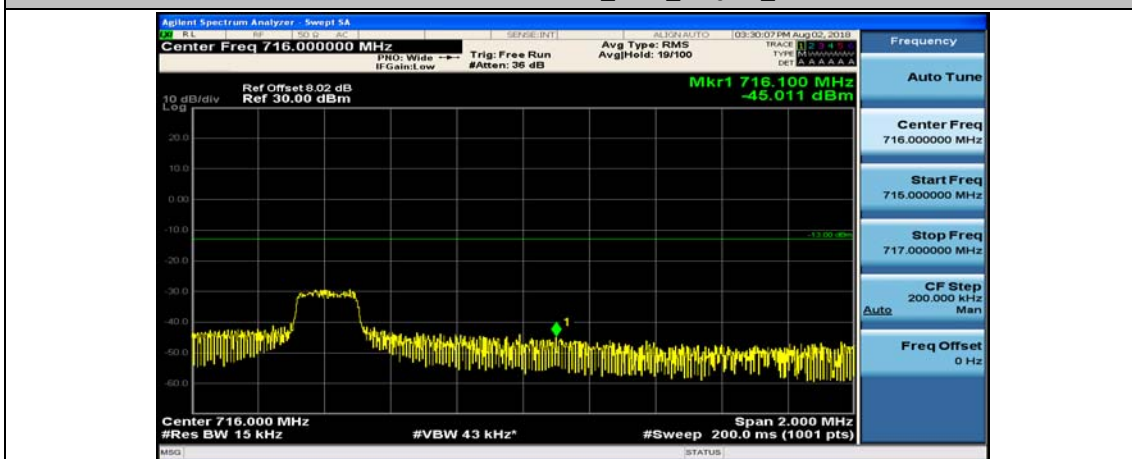
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



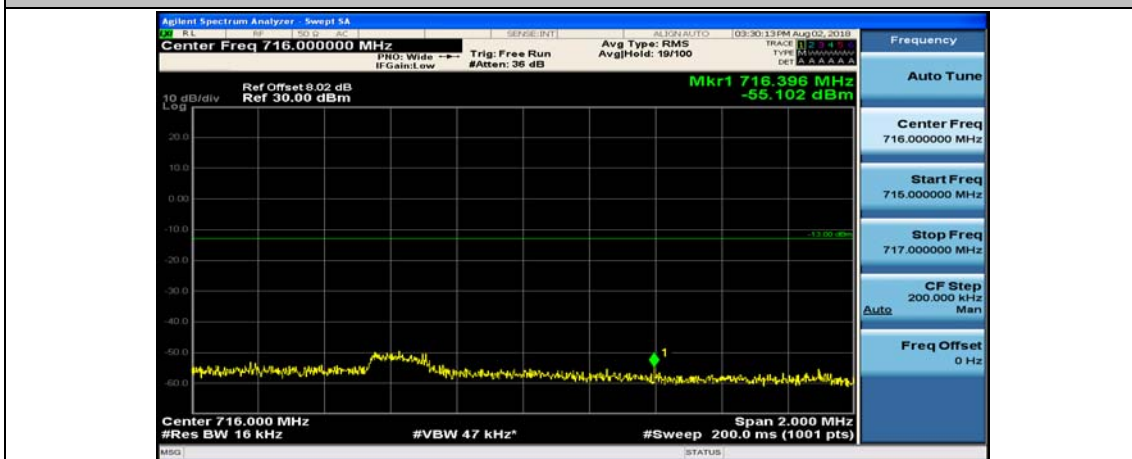
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



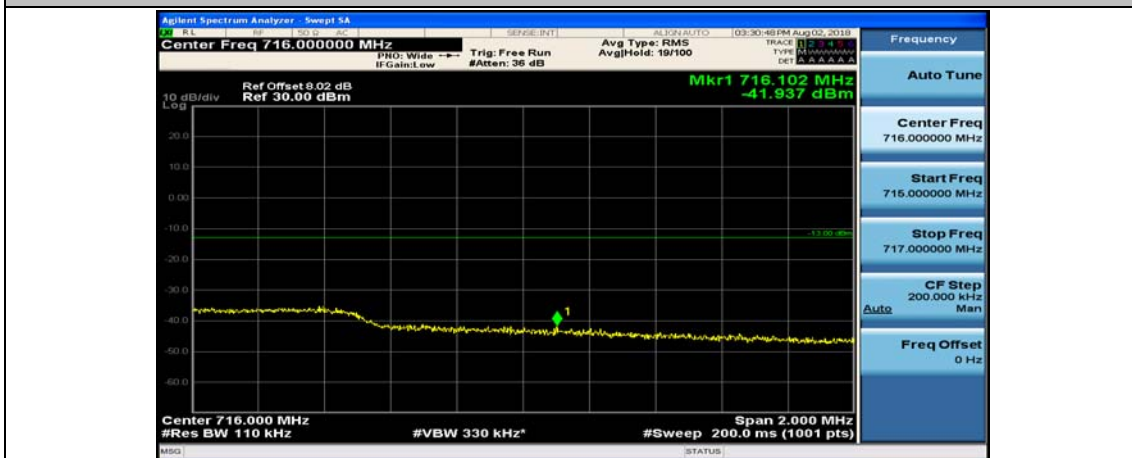
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



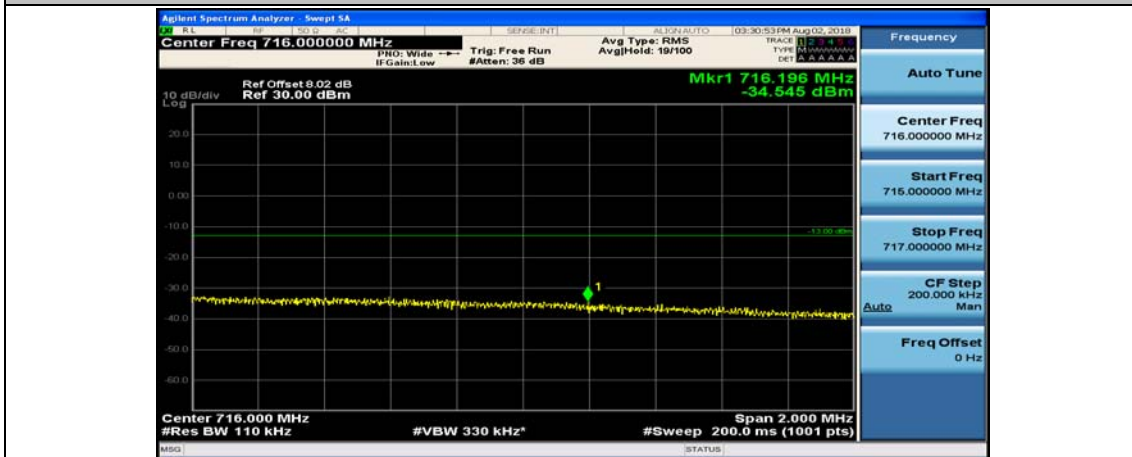
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



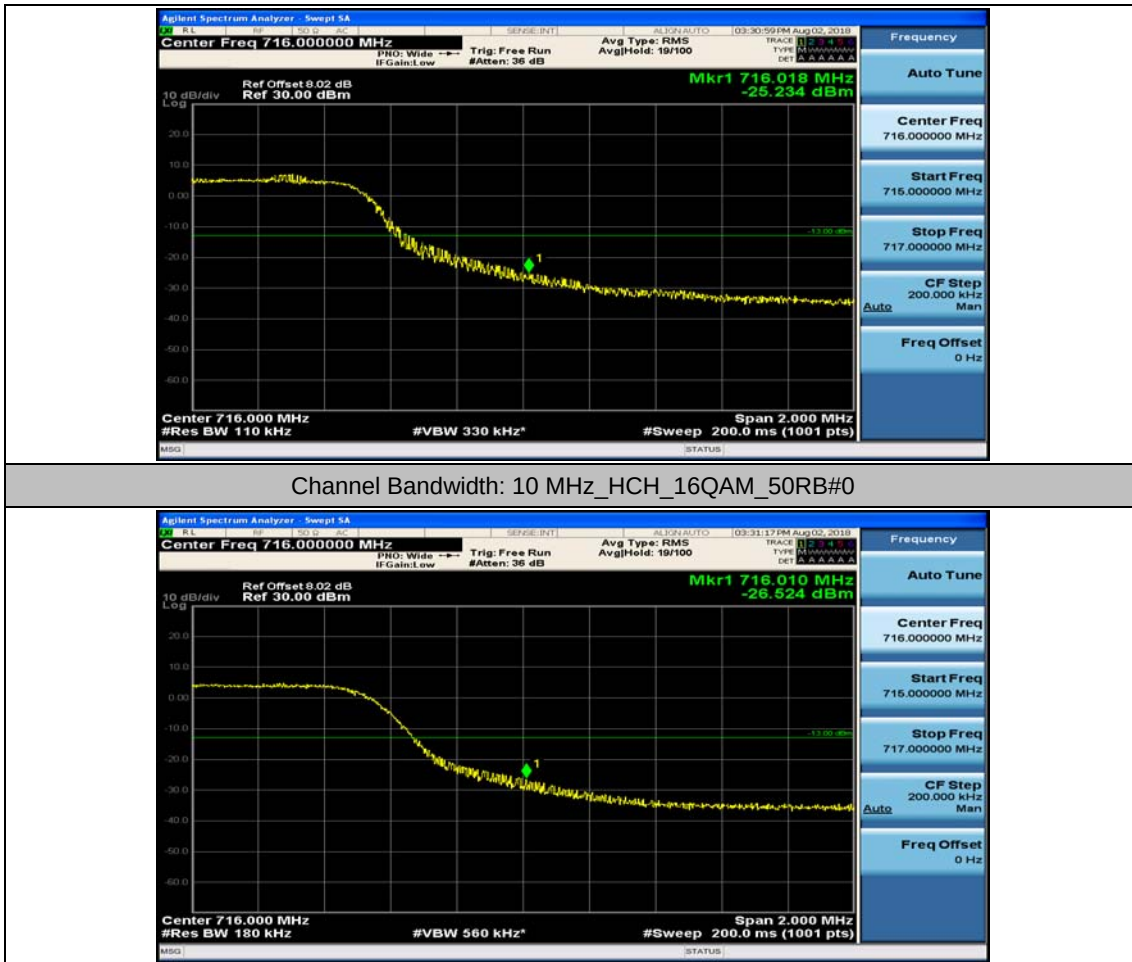
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

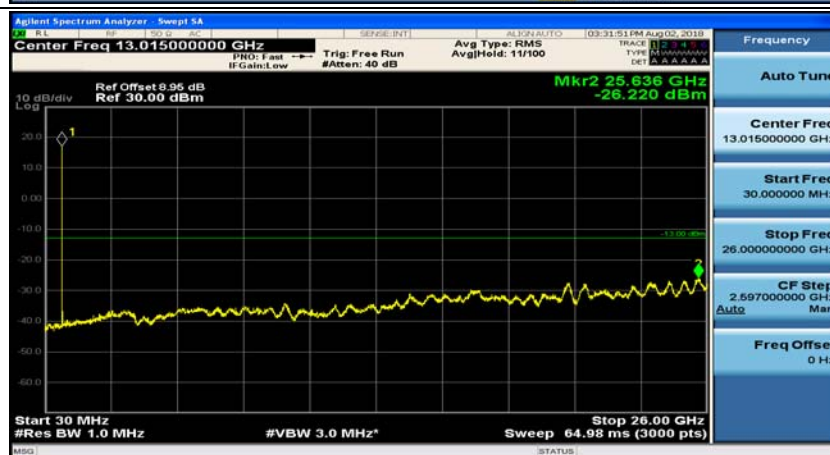
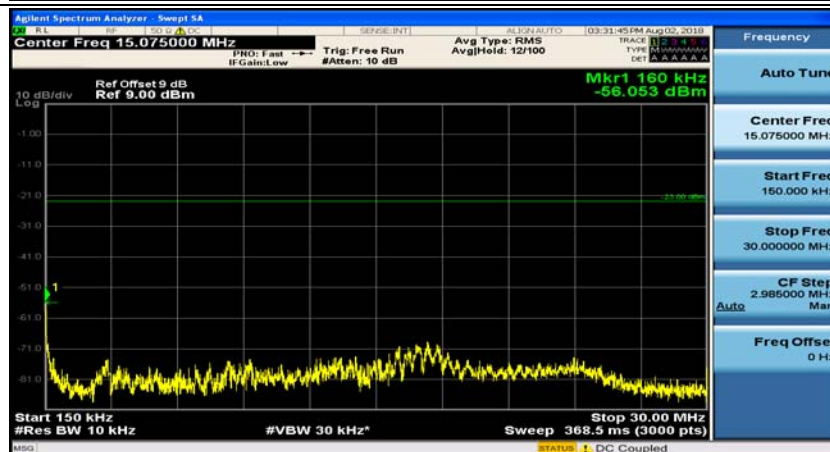
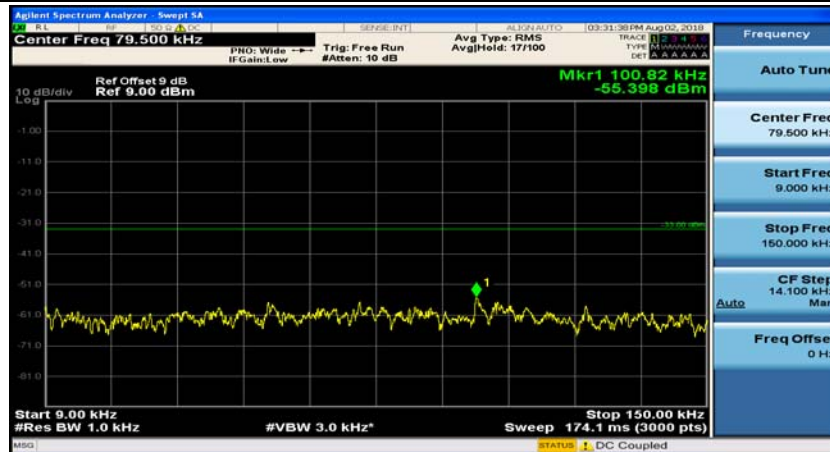


Appendix E: Conducted Spurious Emission

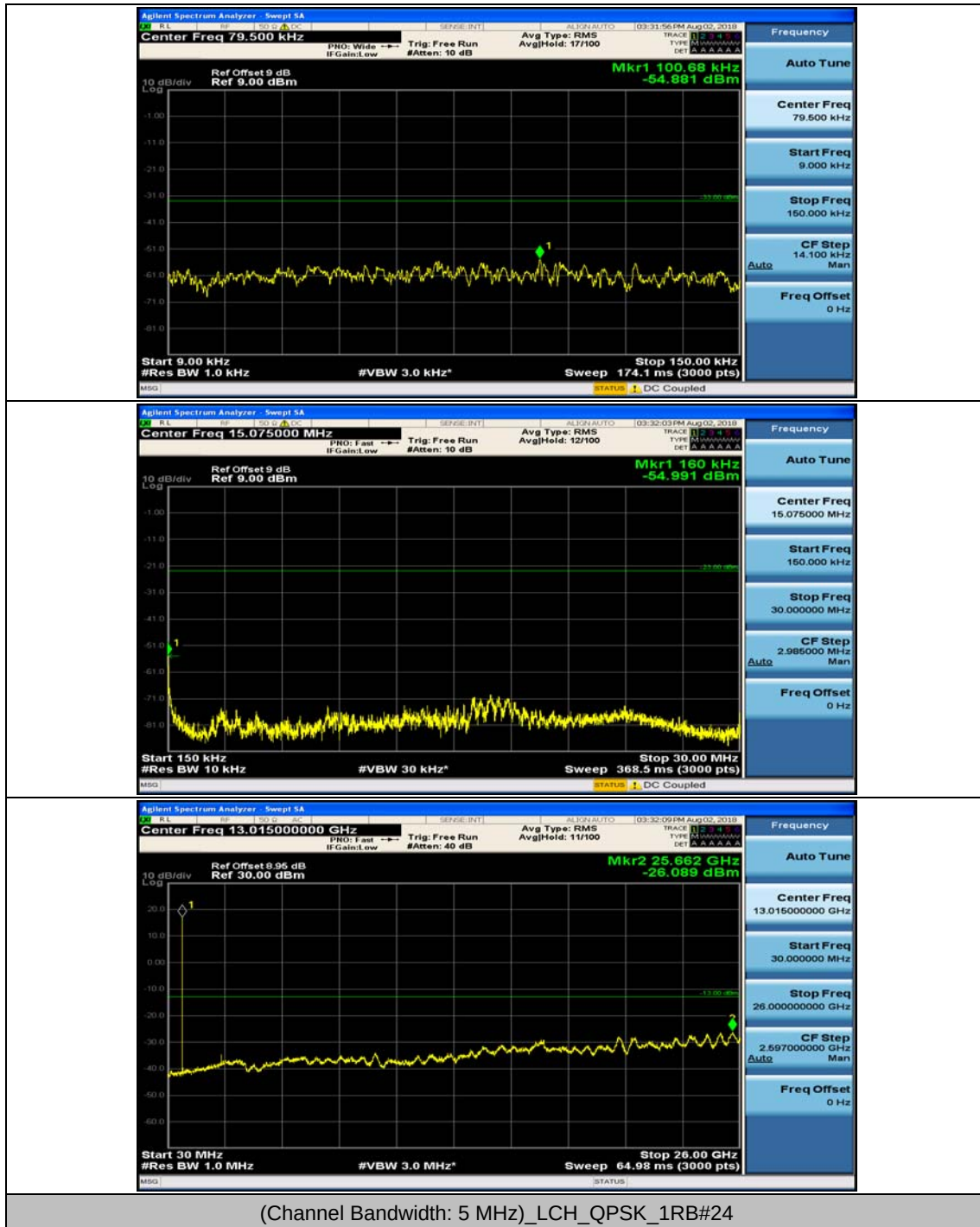
Test Graphs

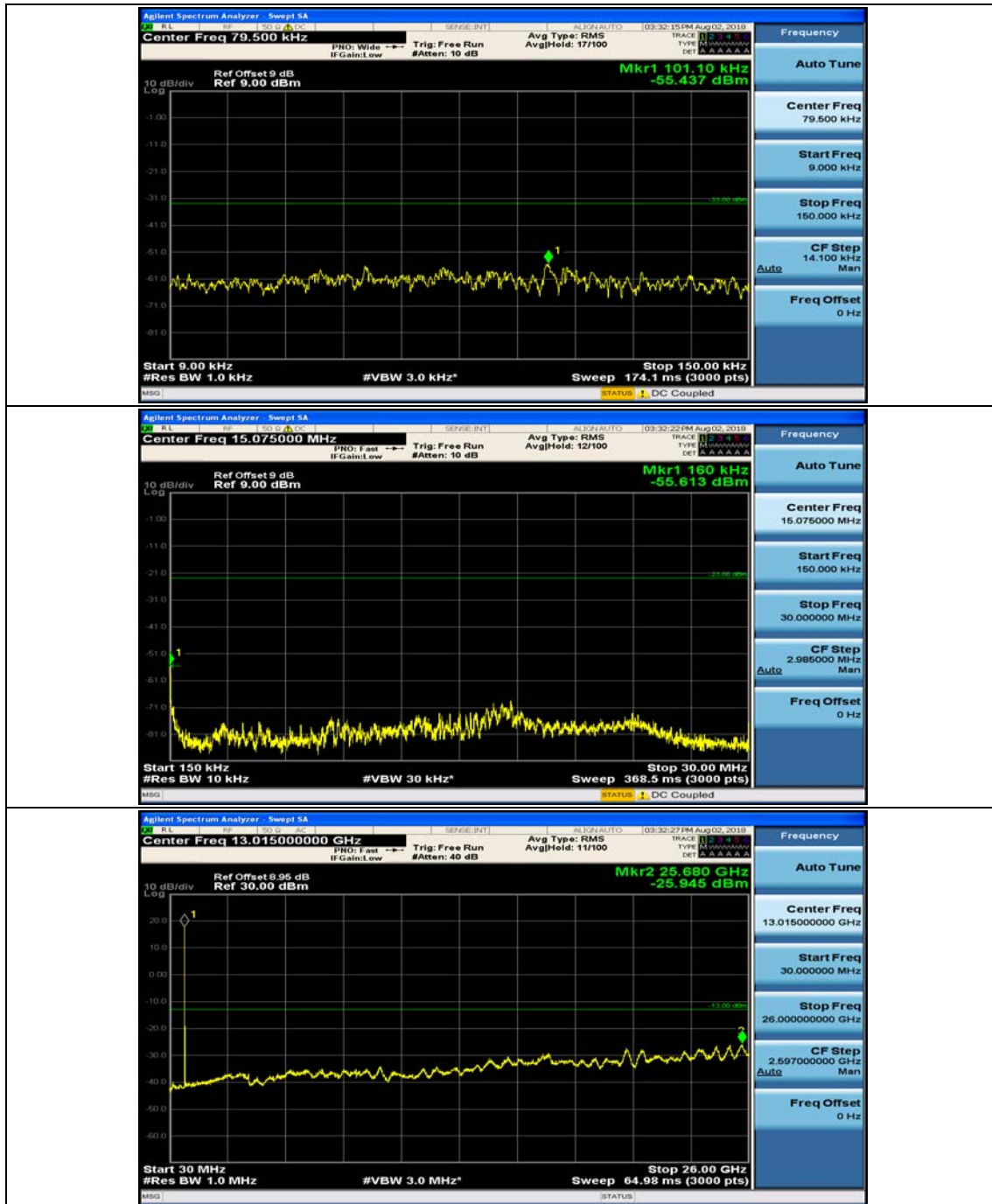
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

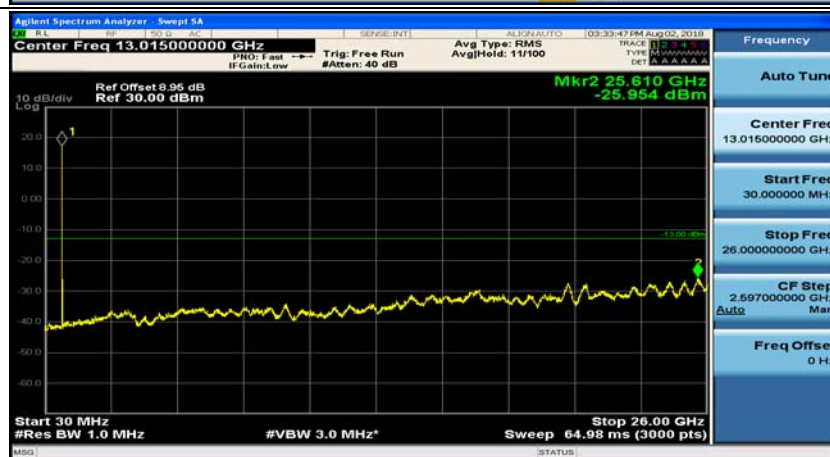
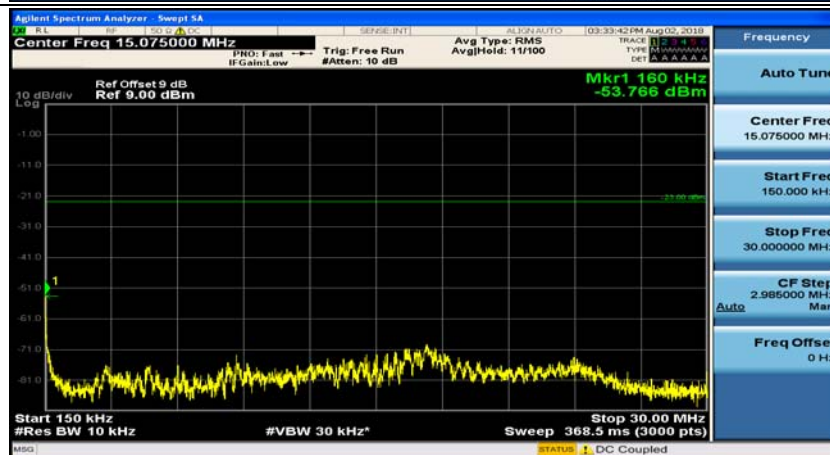
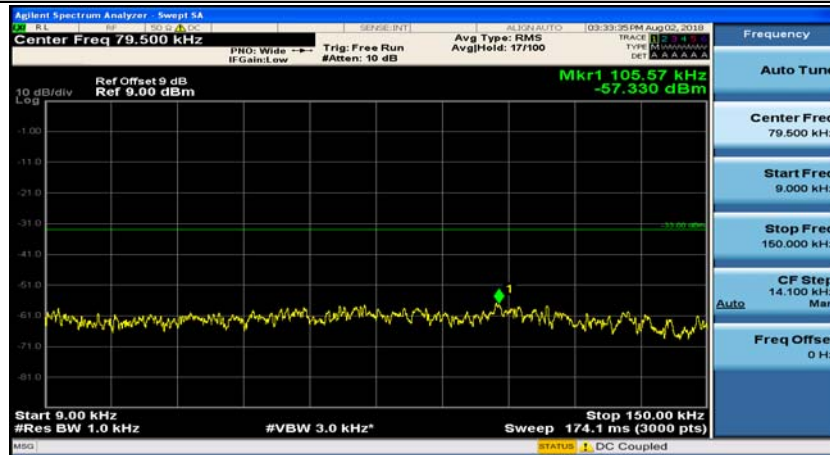


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

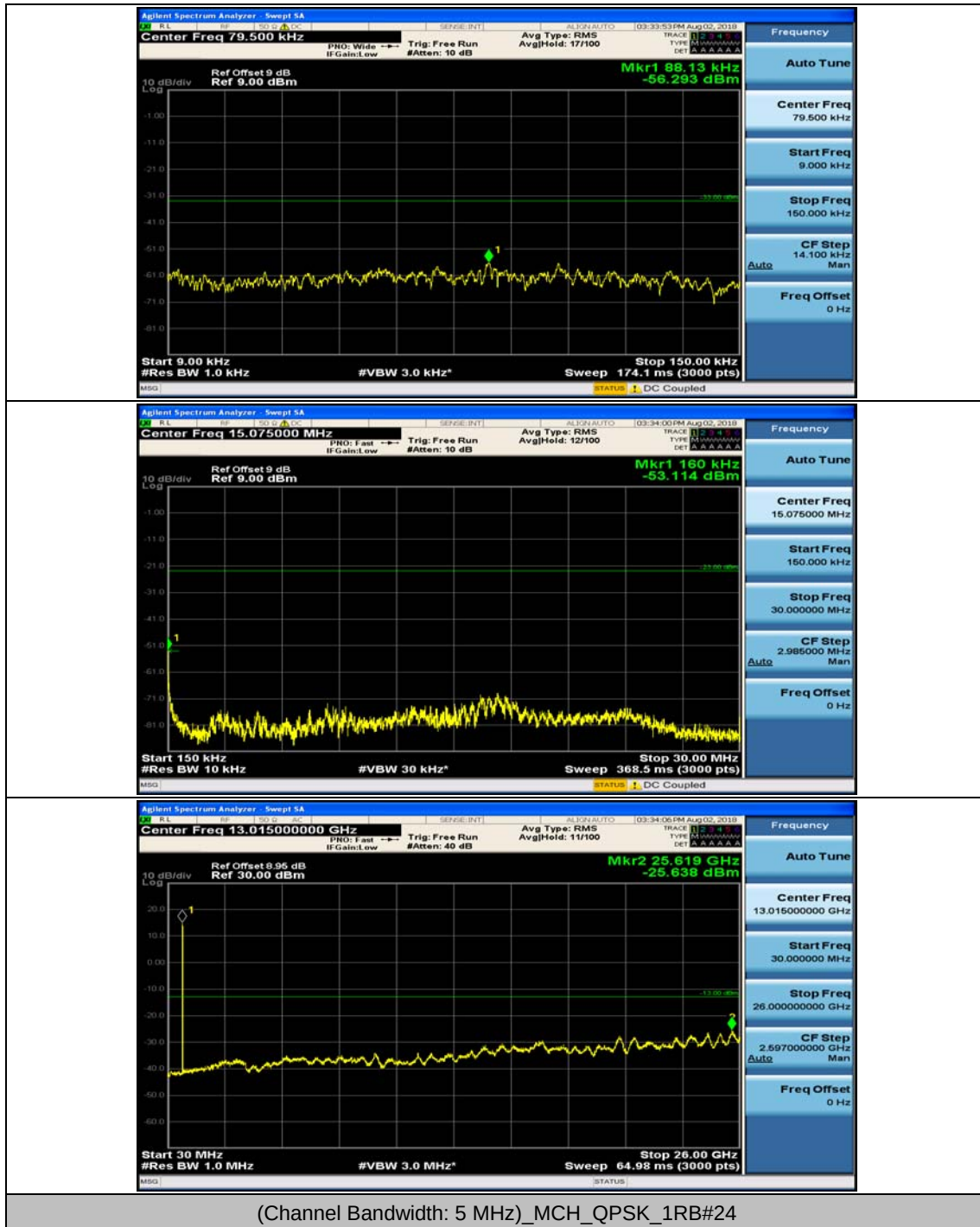


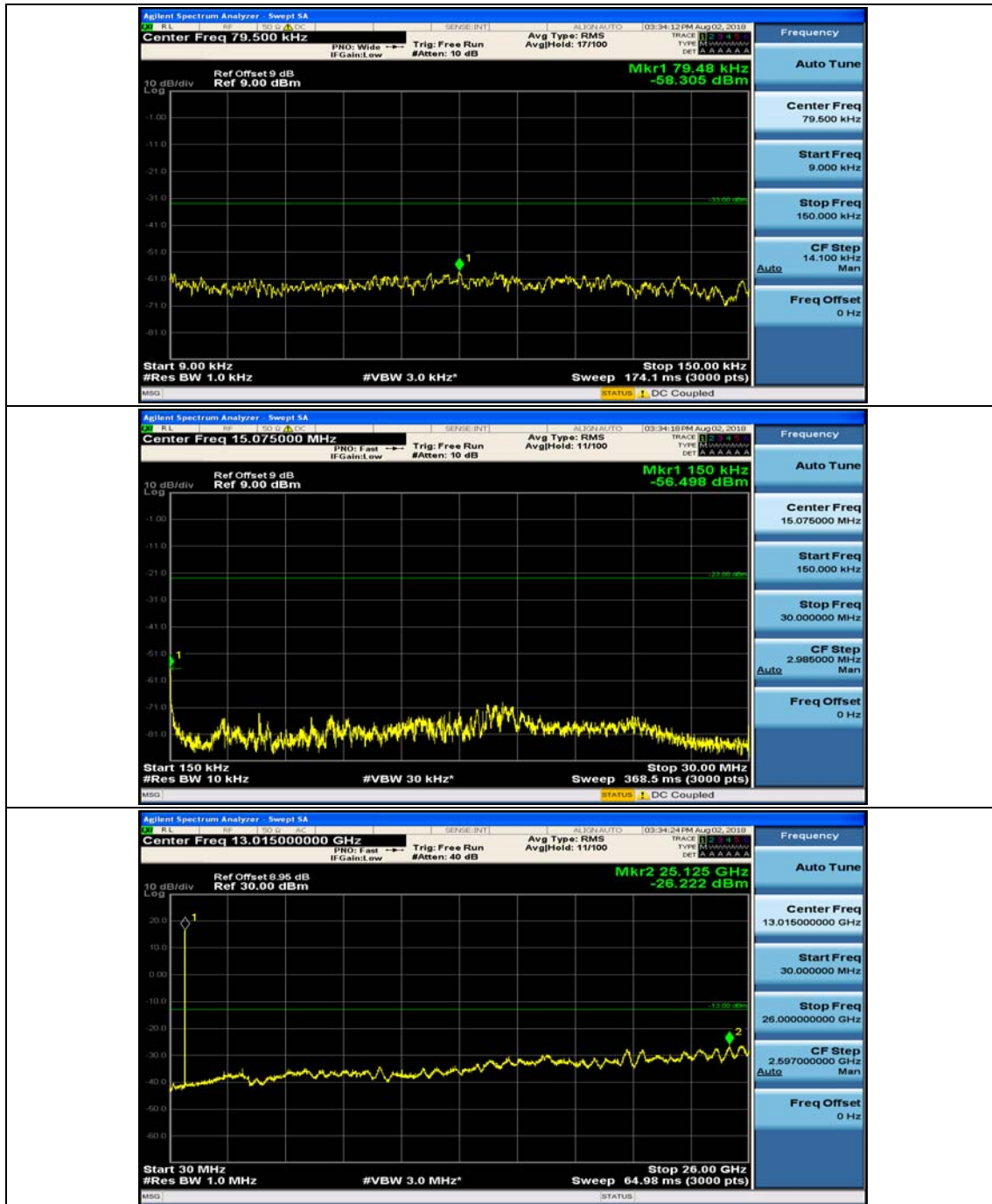


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

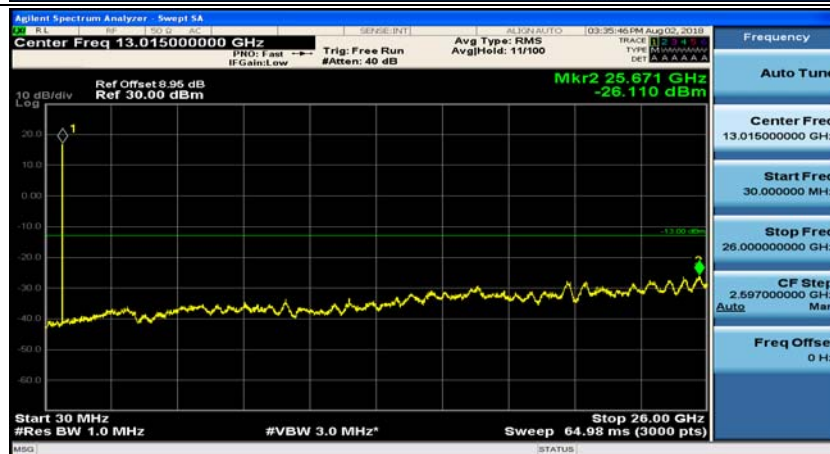
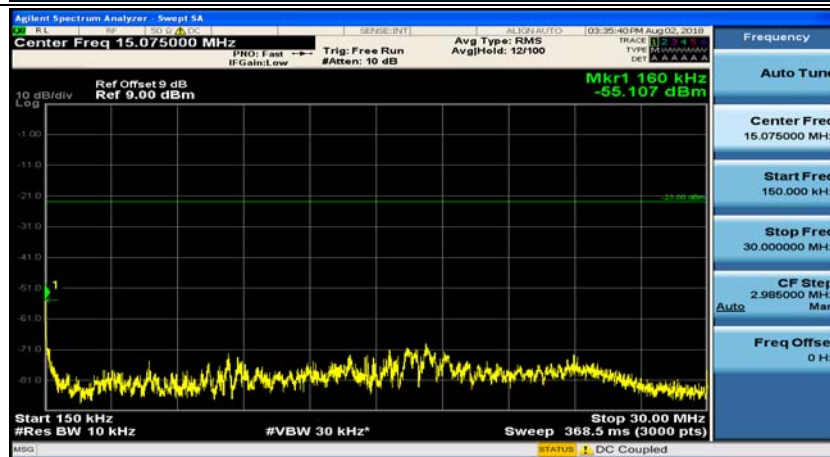
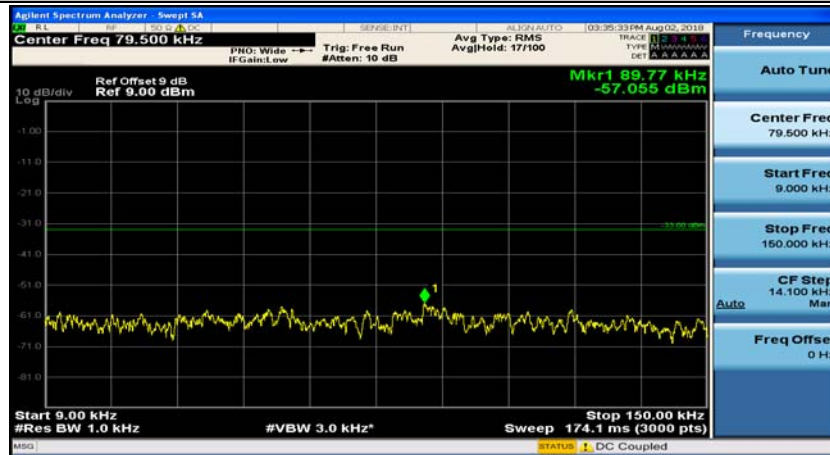


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

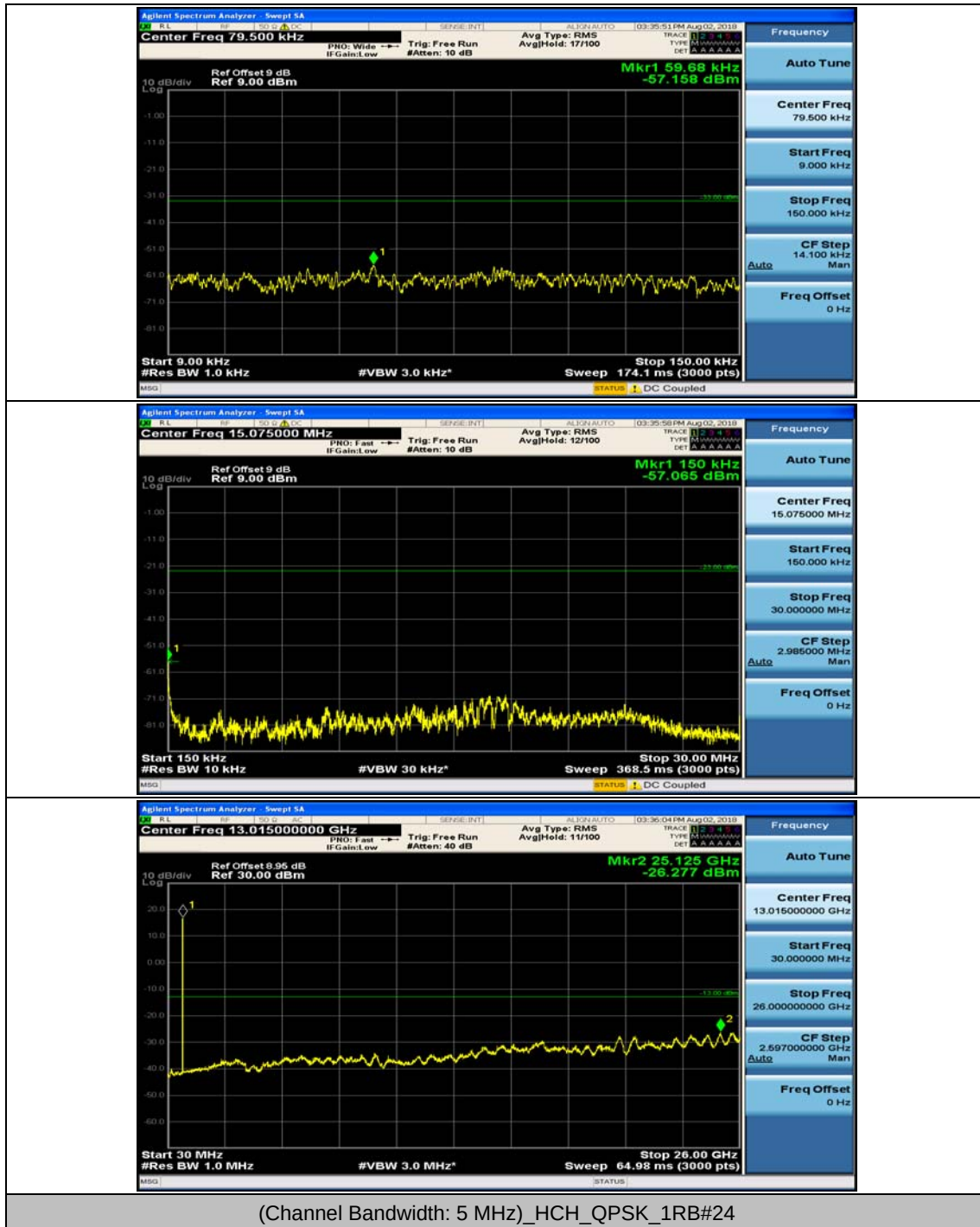


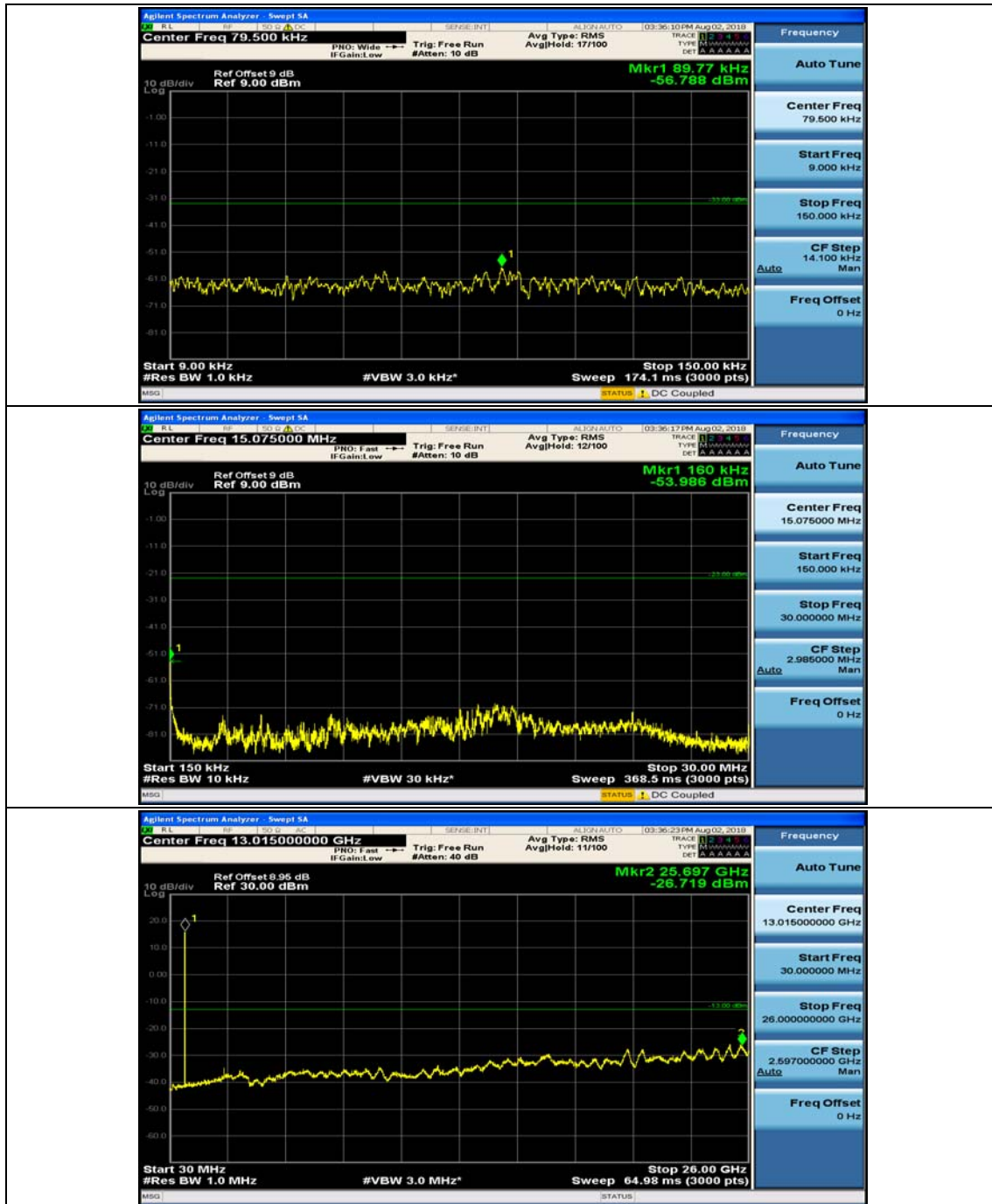


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

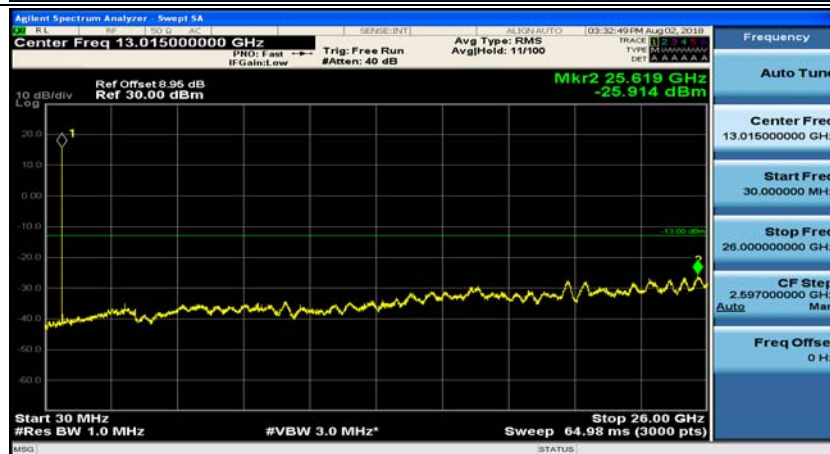
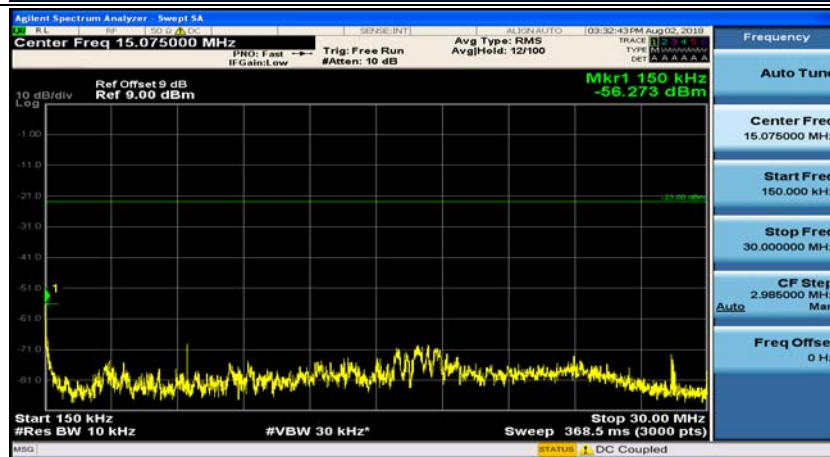
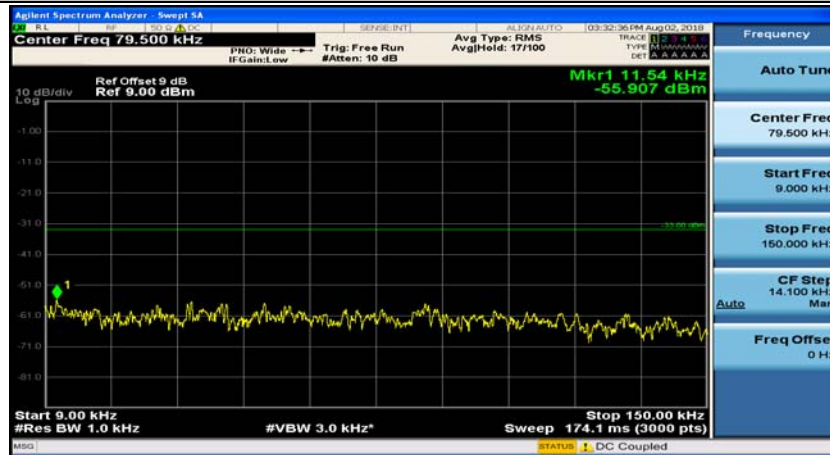


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

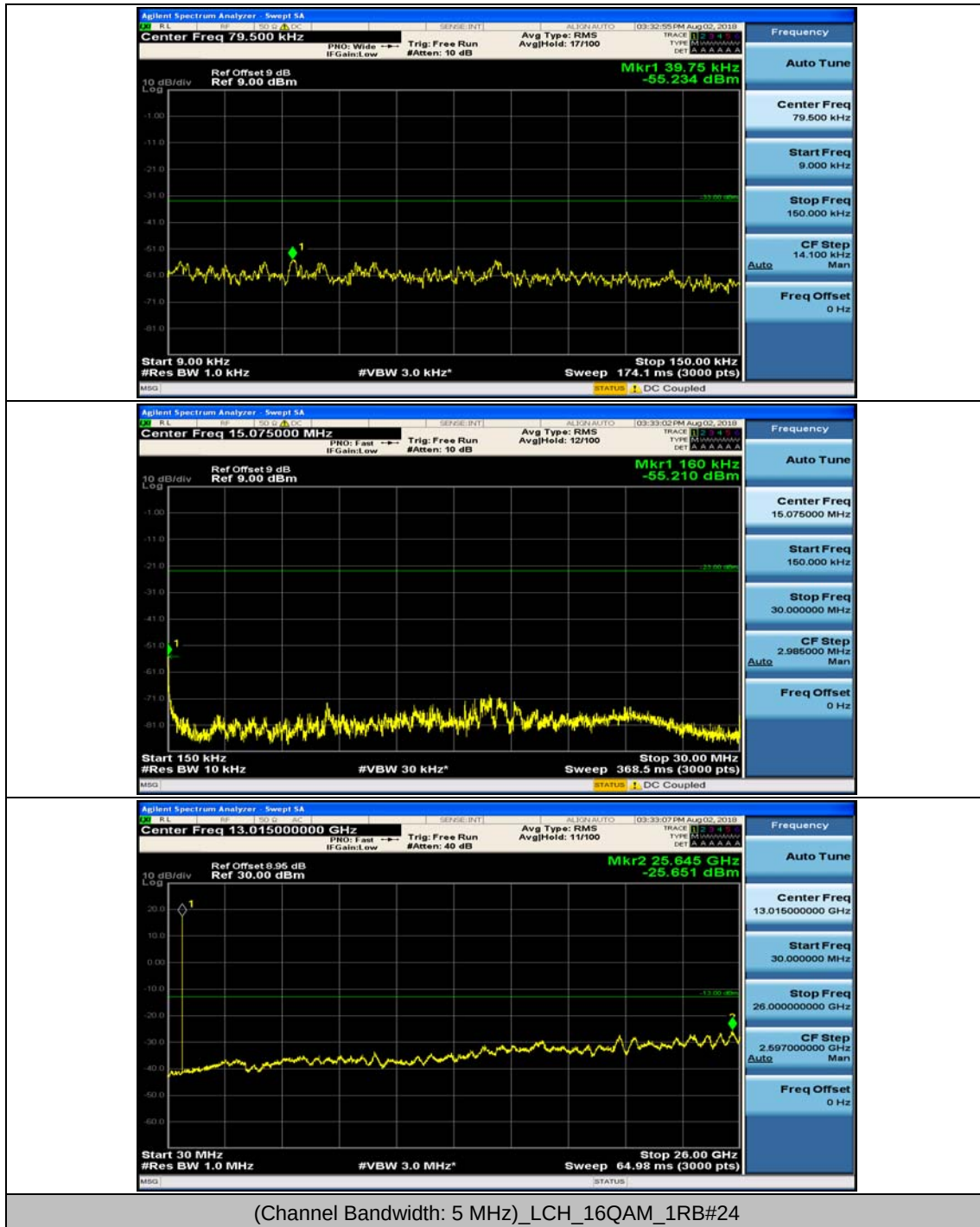


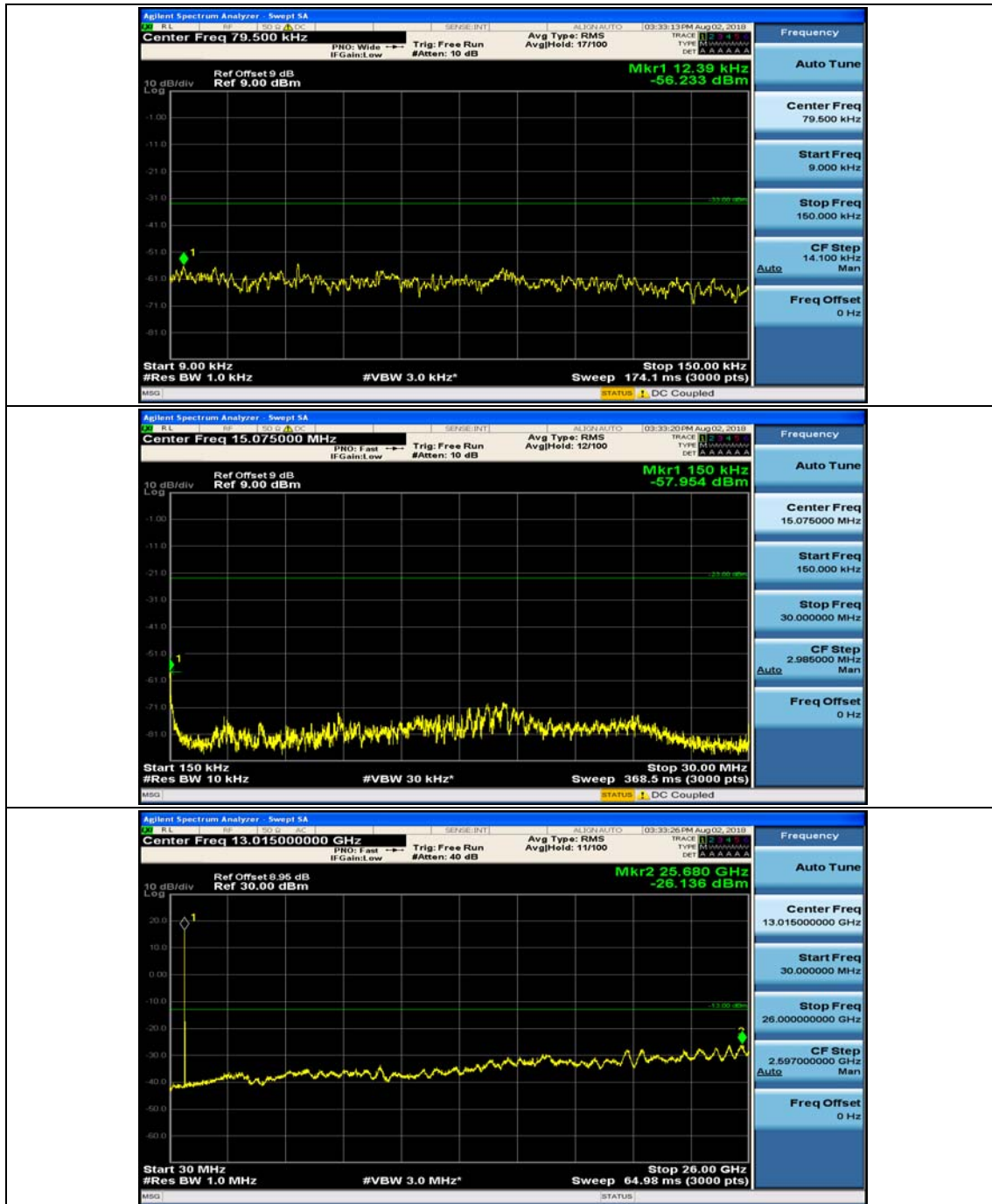


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

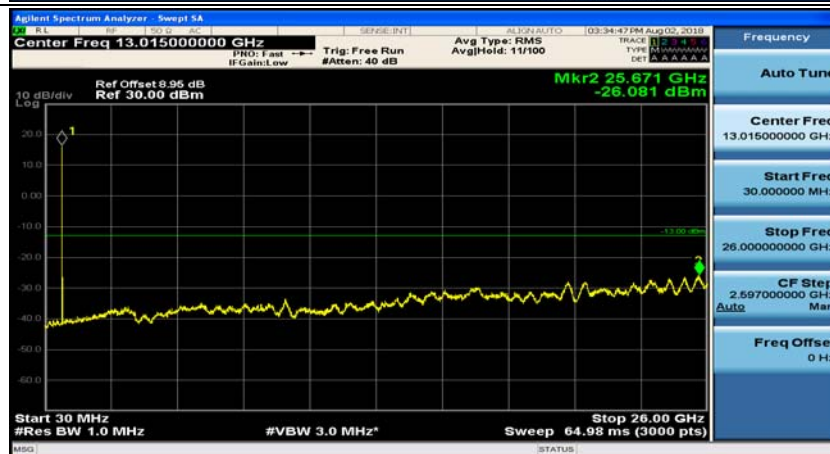
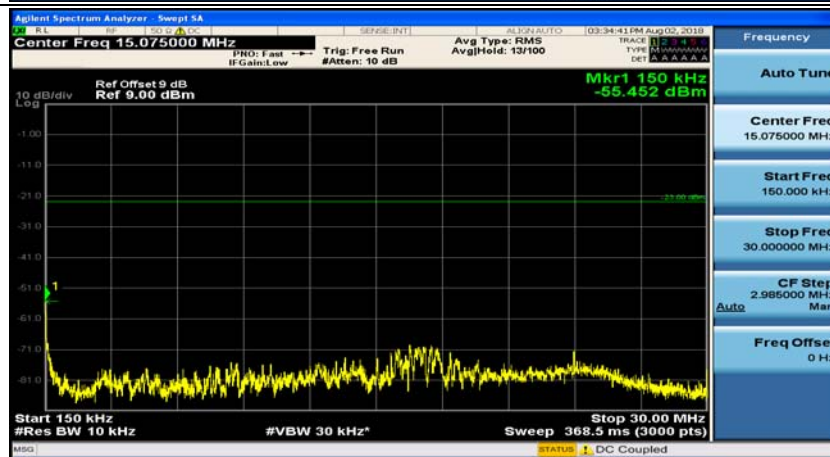
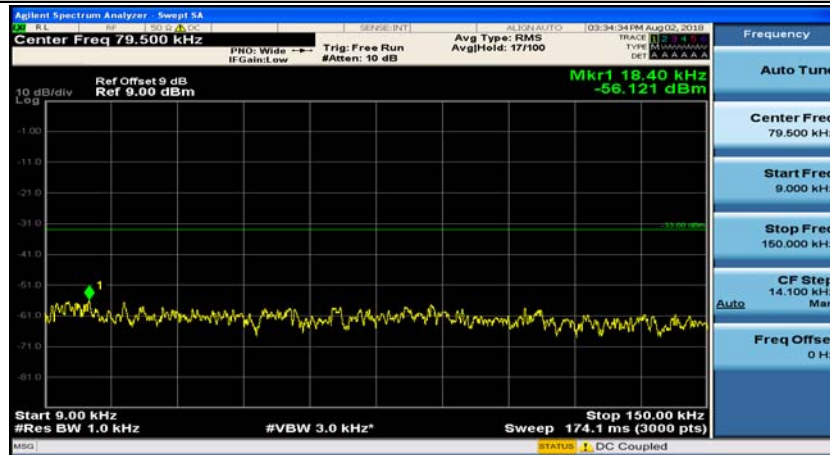


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

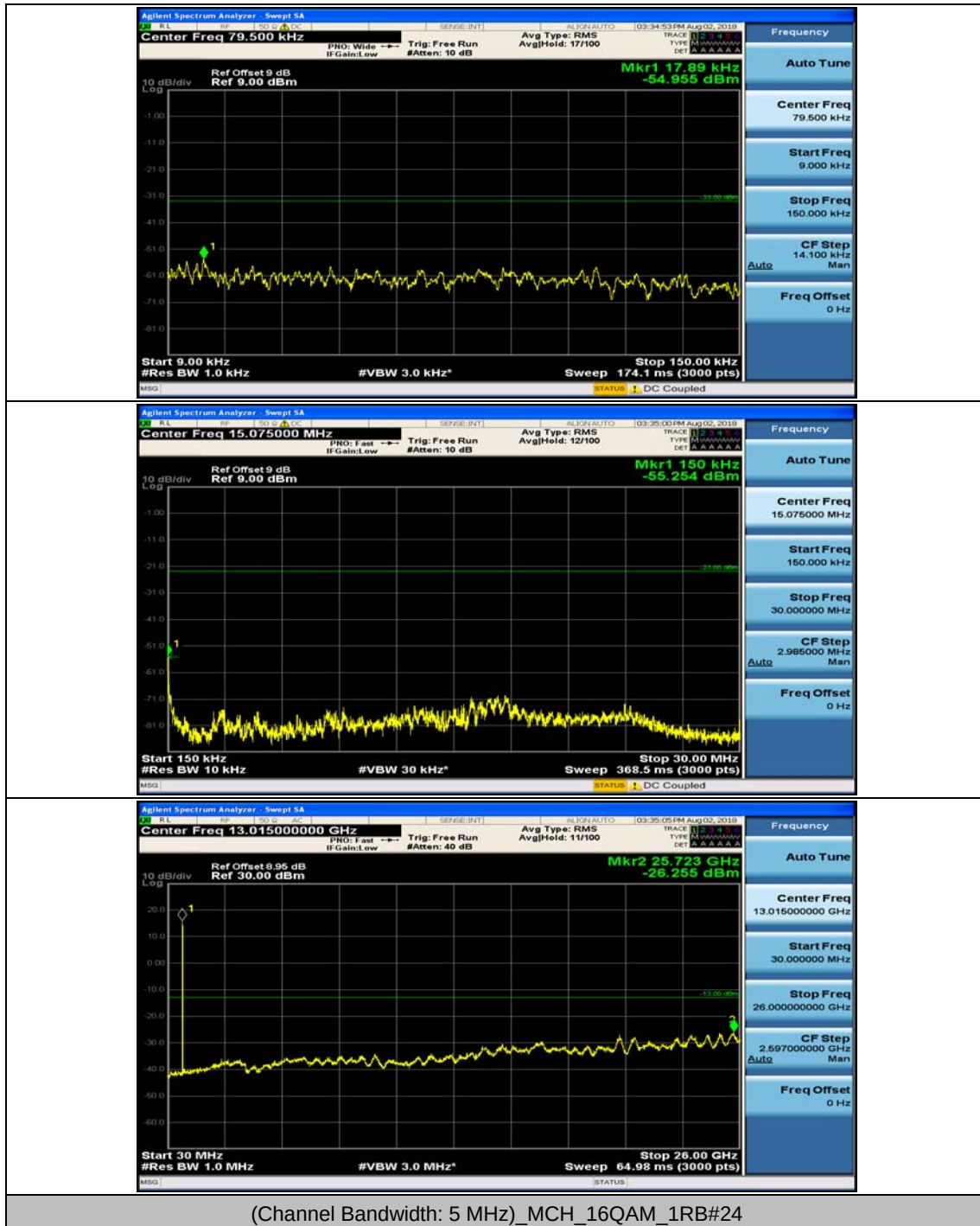


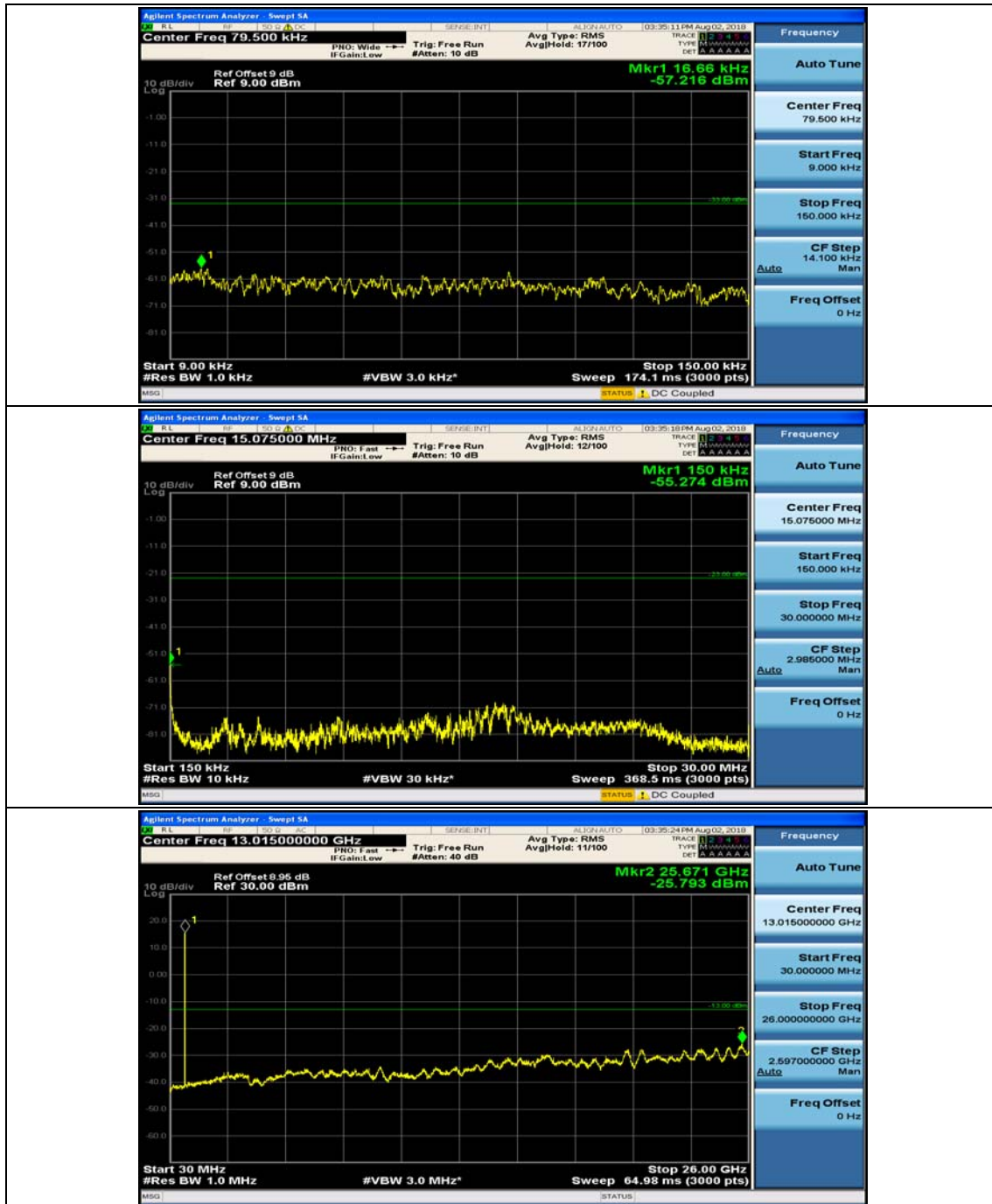


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

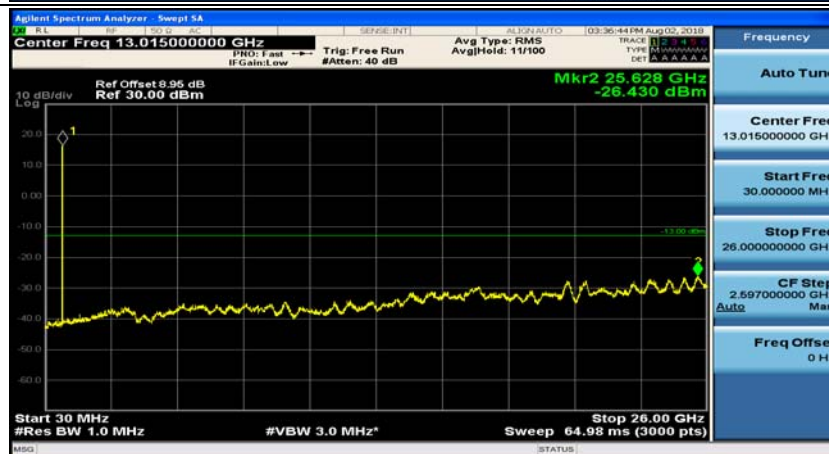
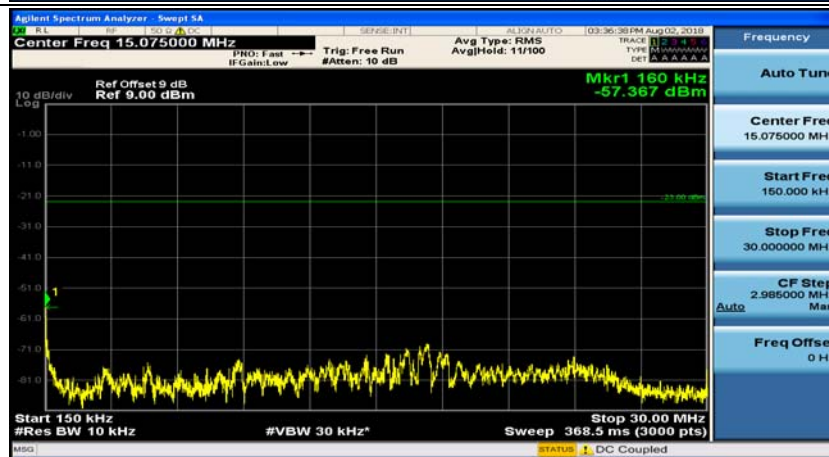
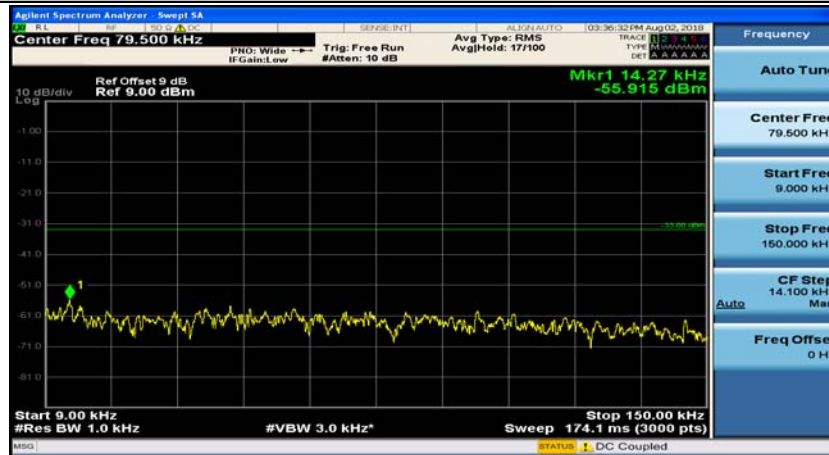


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

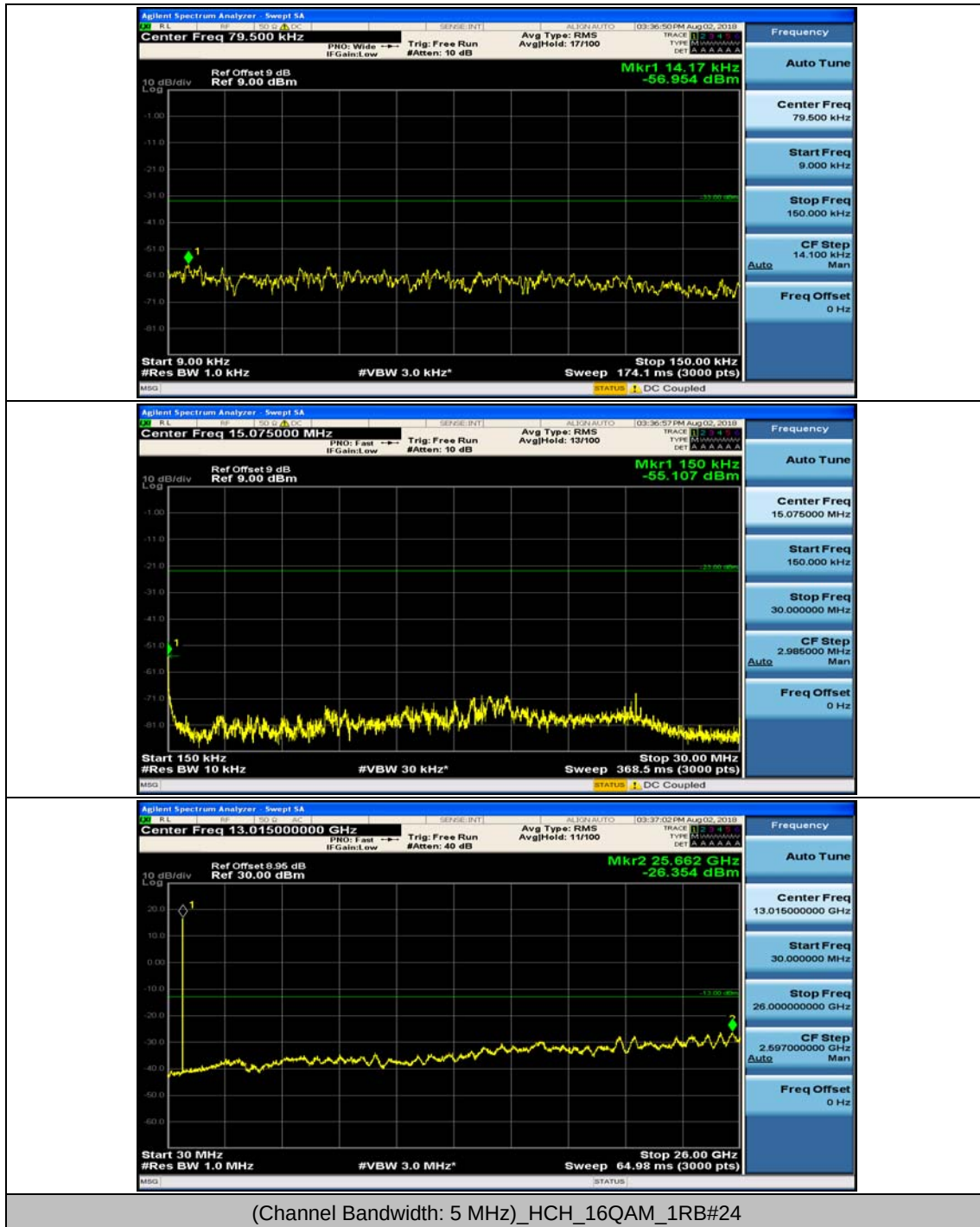


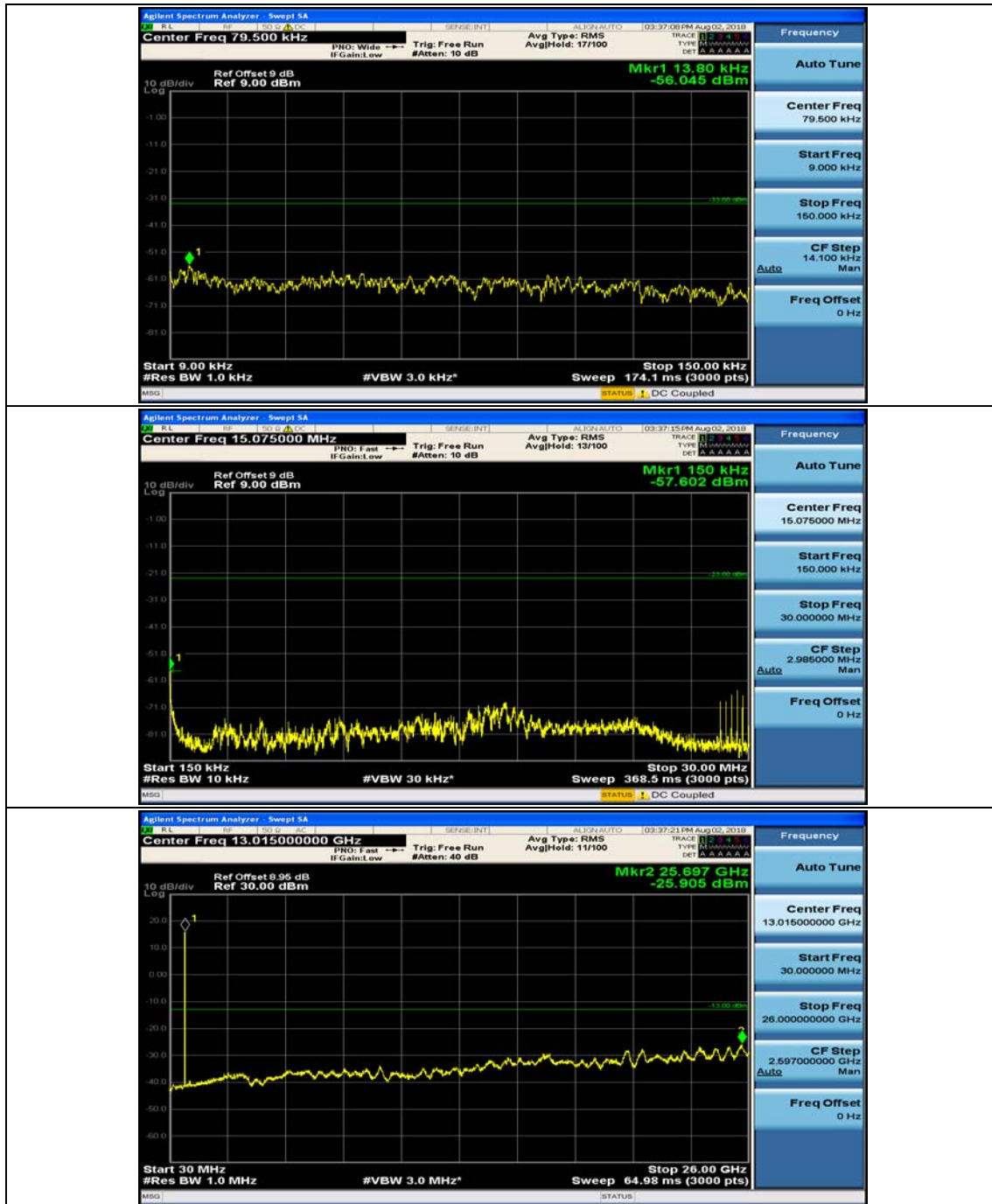


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

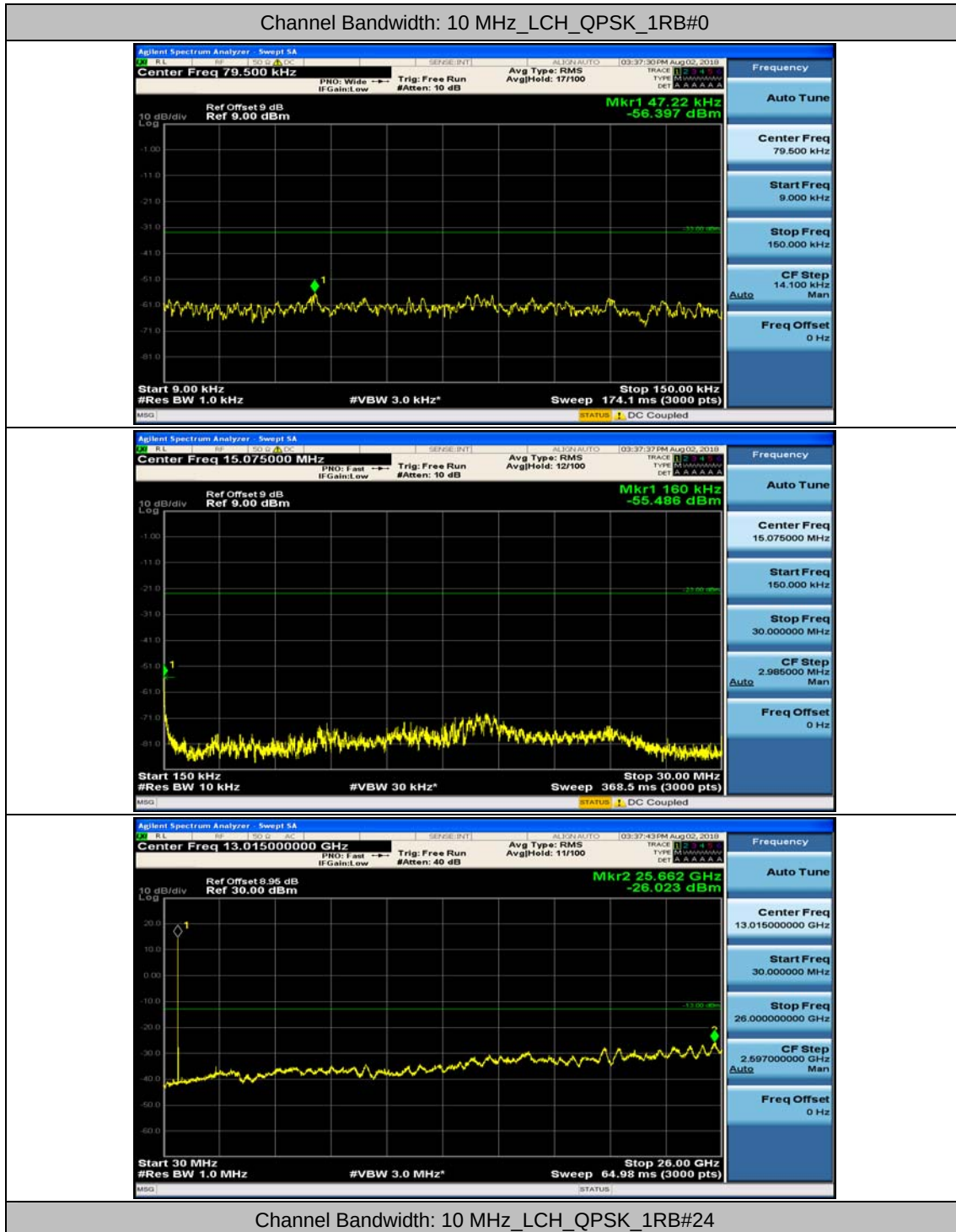


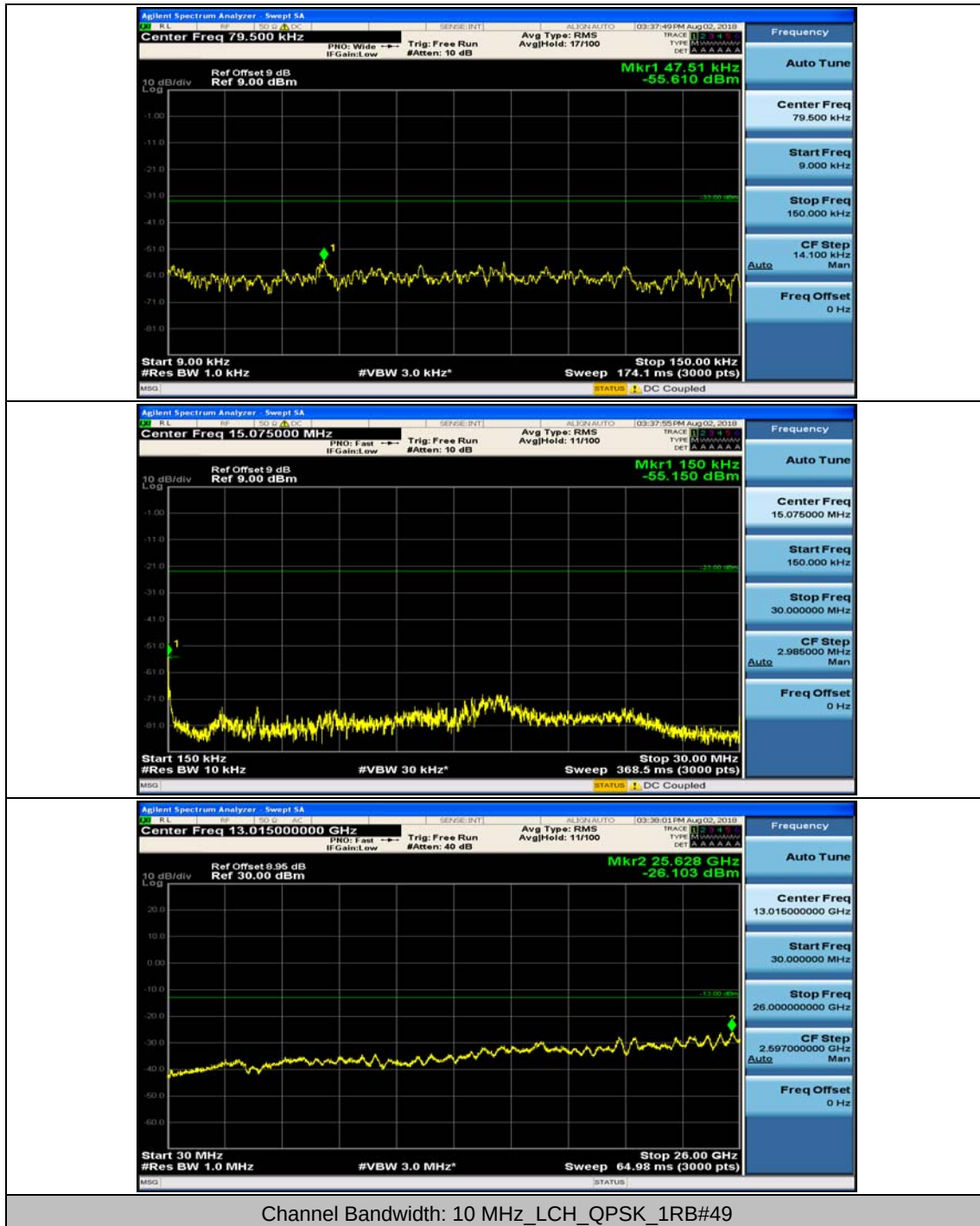
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

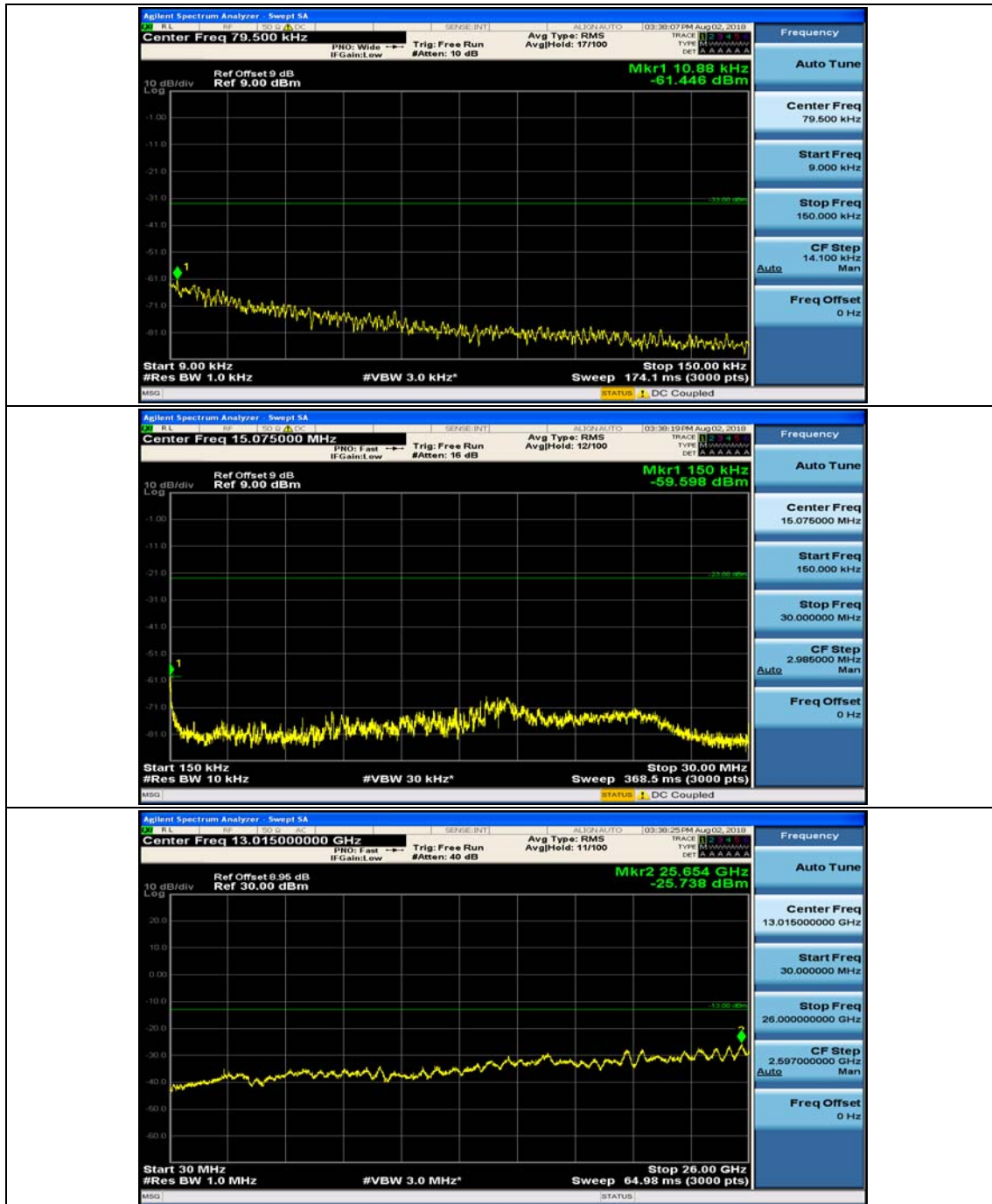




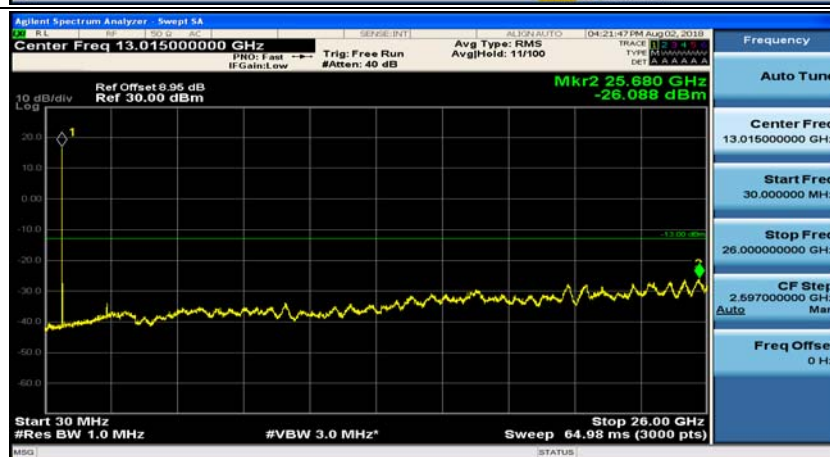
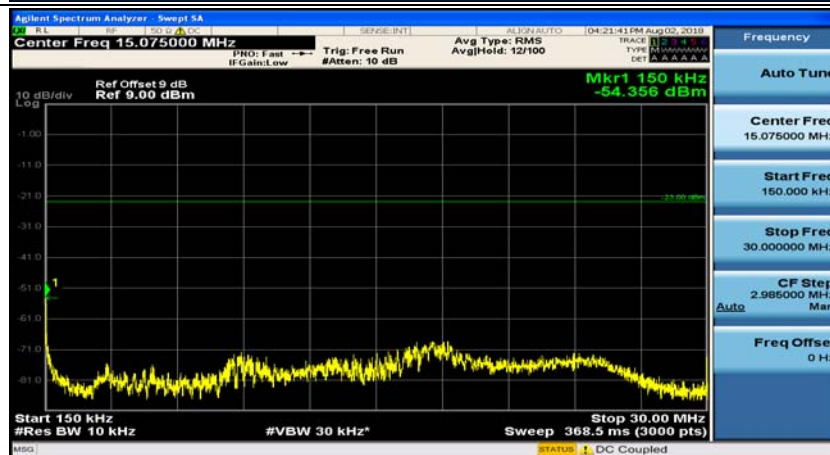
Channel Bandwidth: 10 MHz



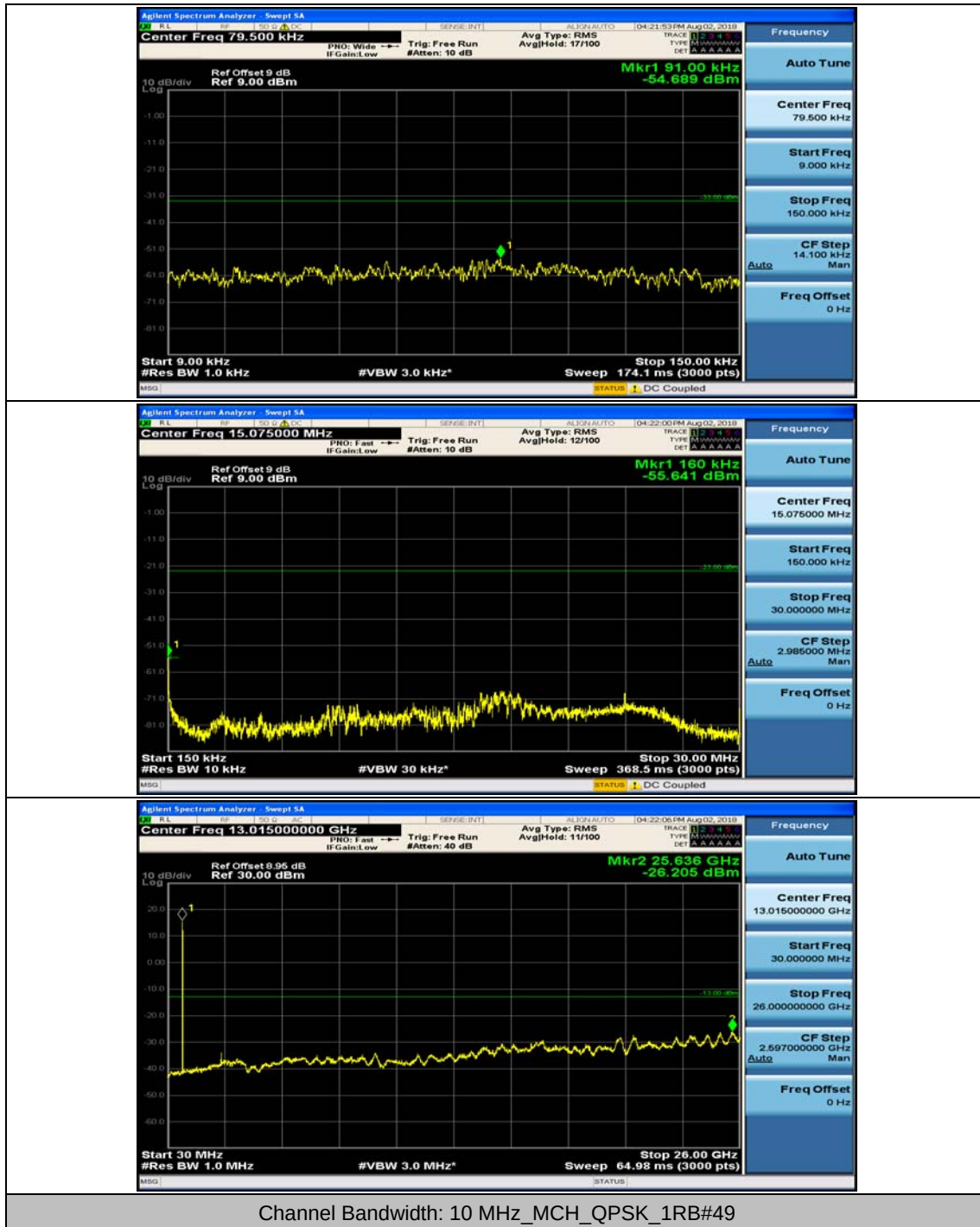


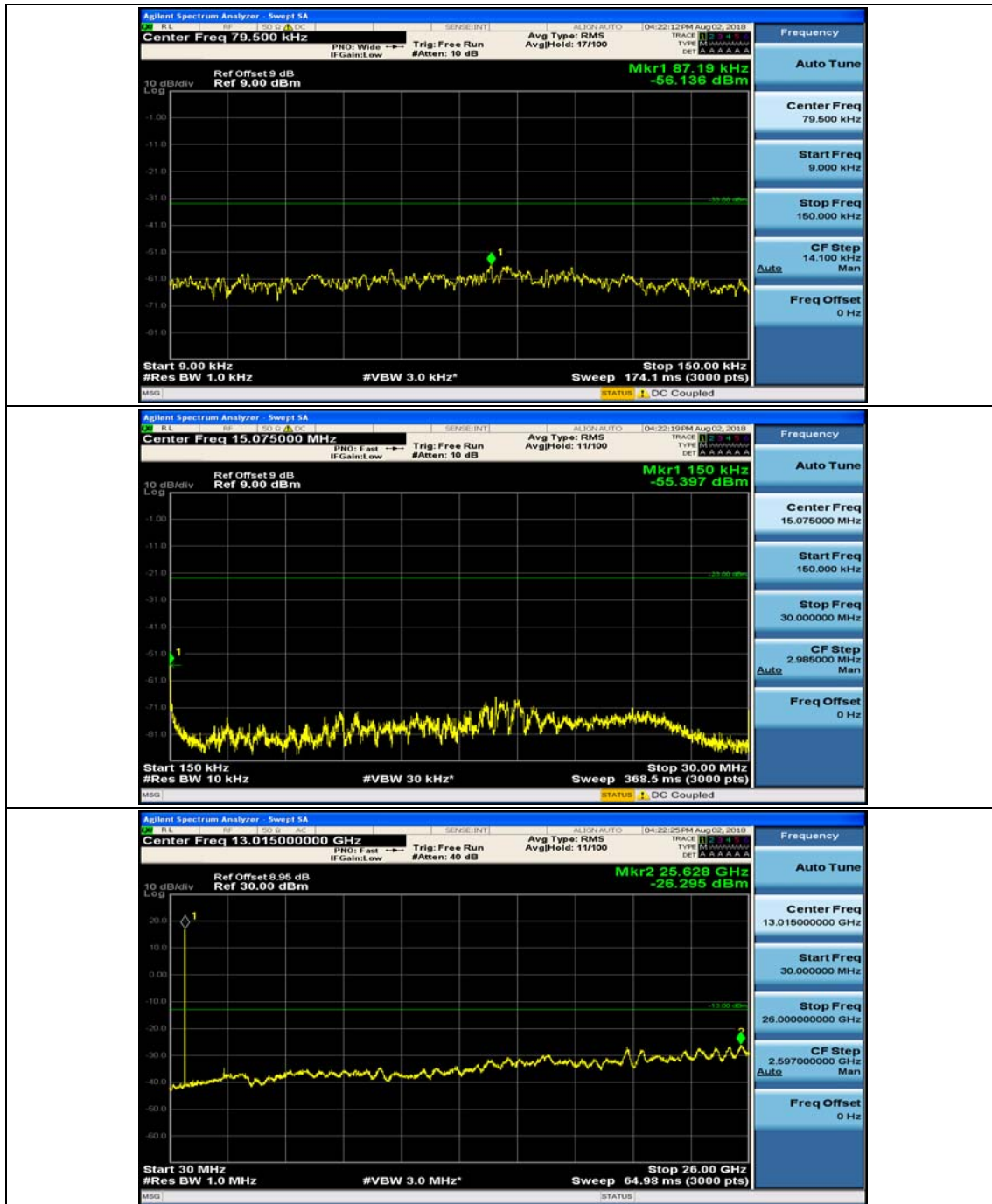


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

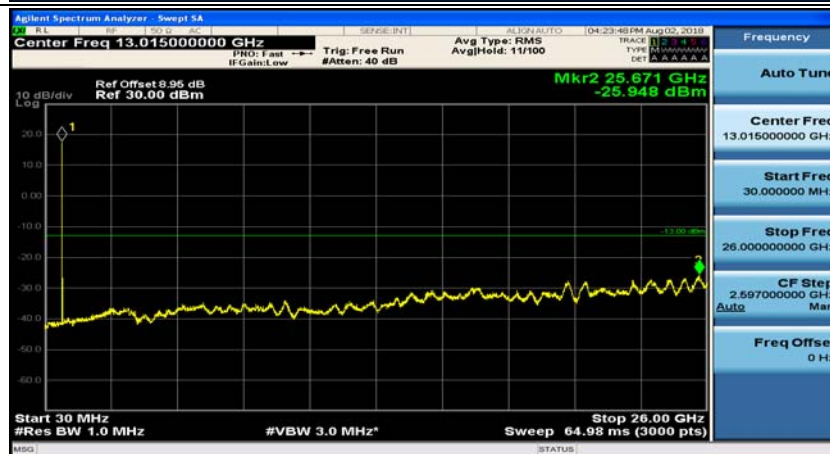
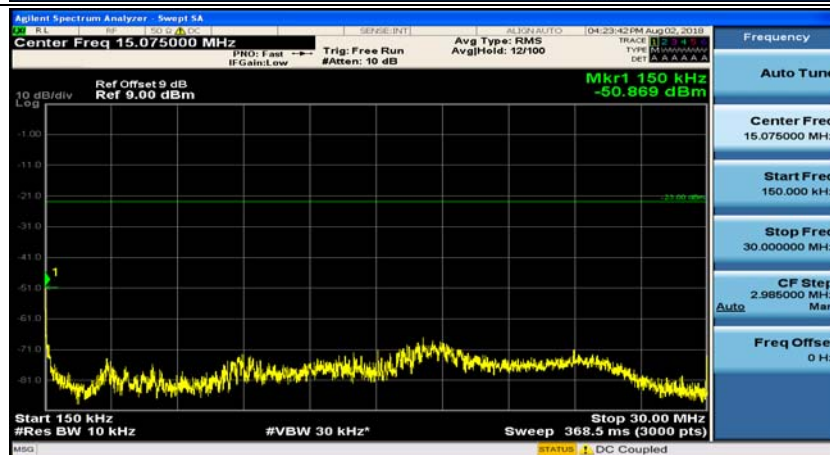
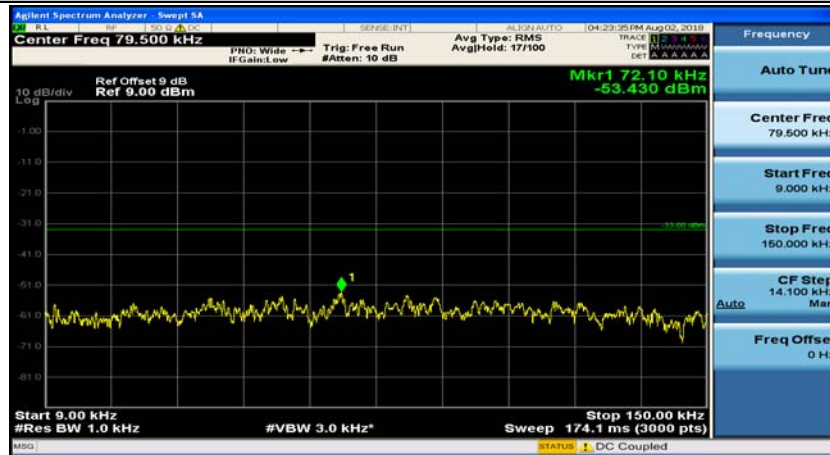


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

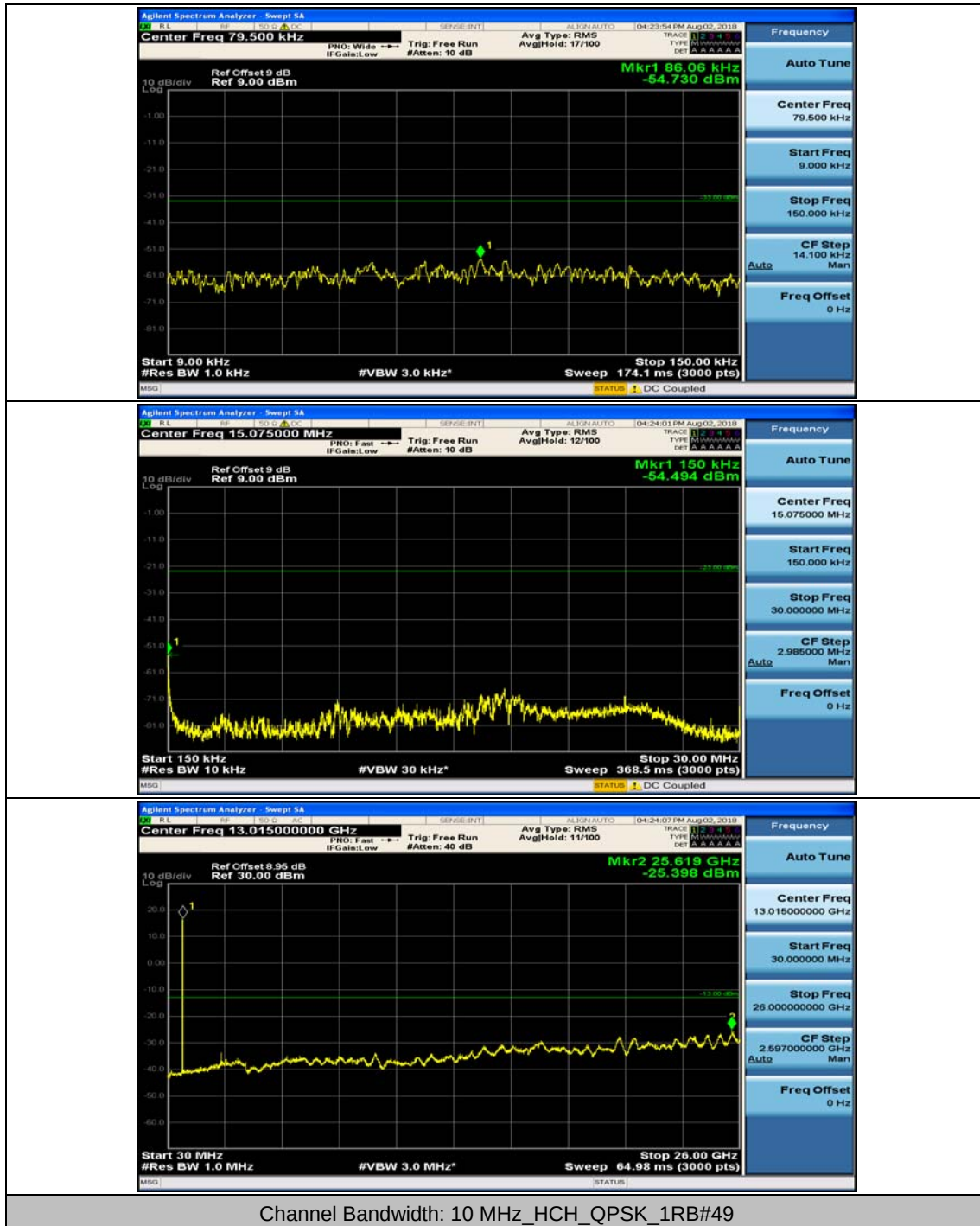


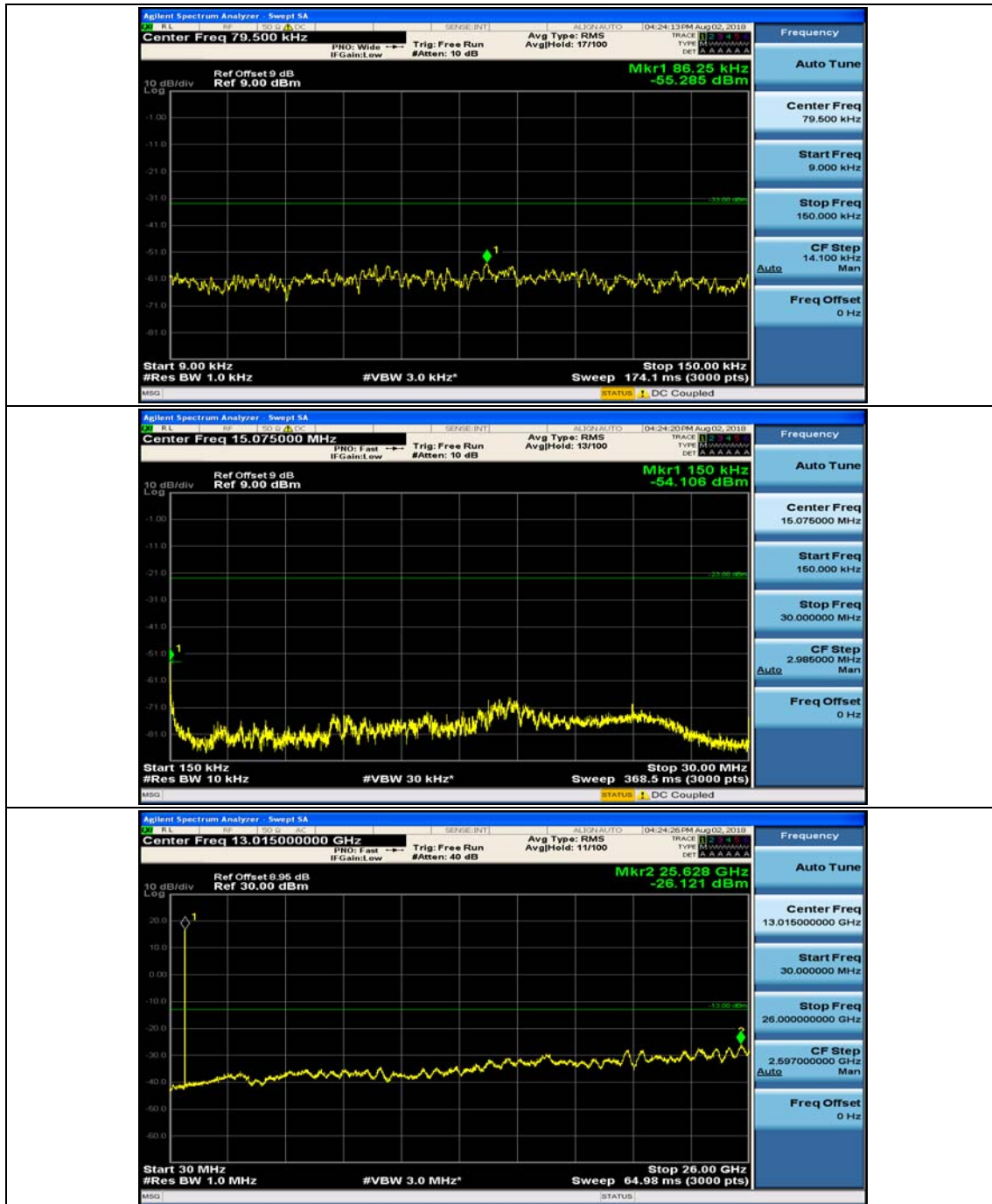


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

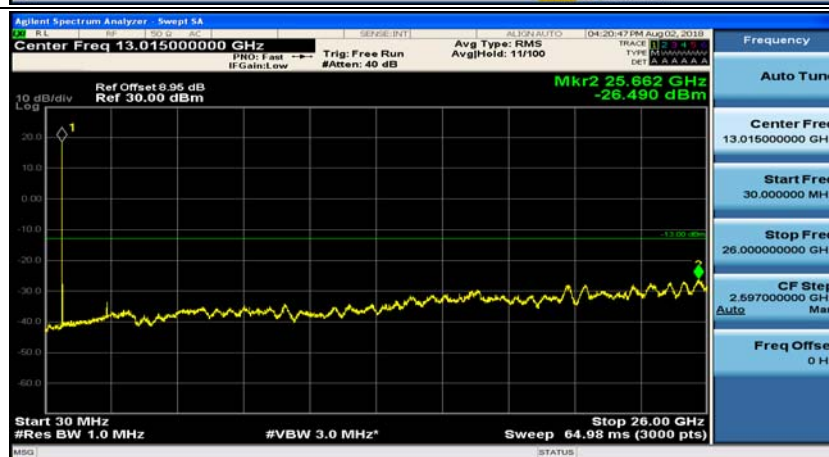
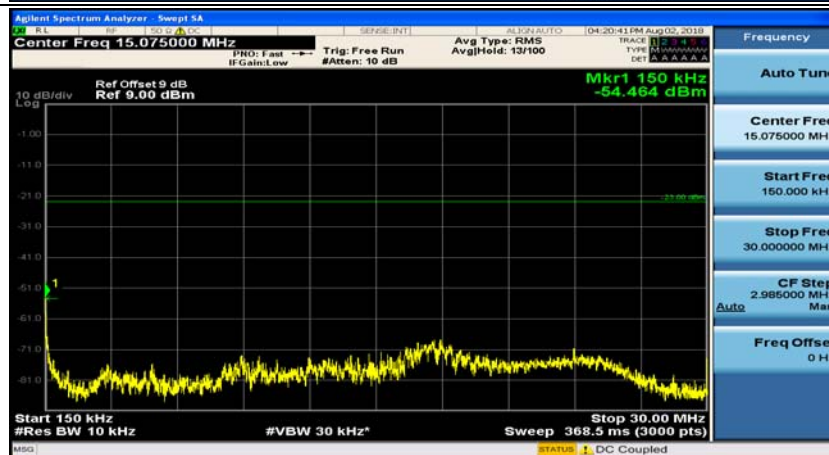
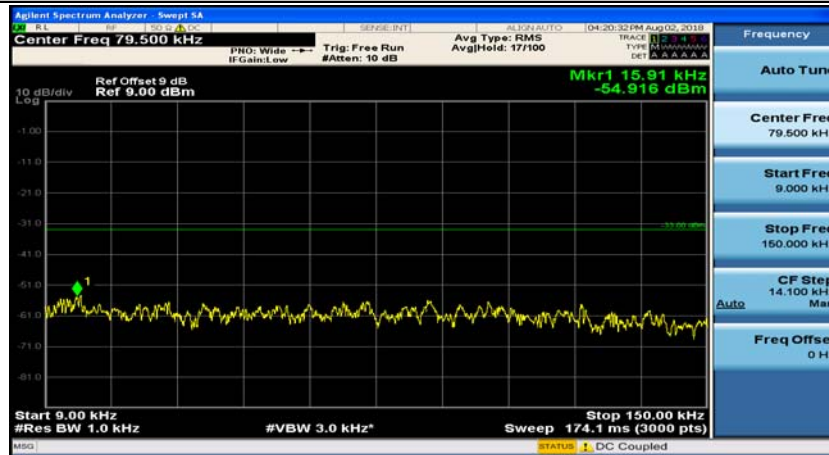


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

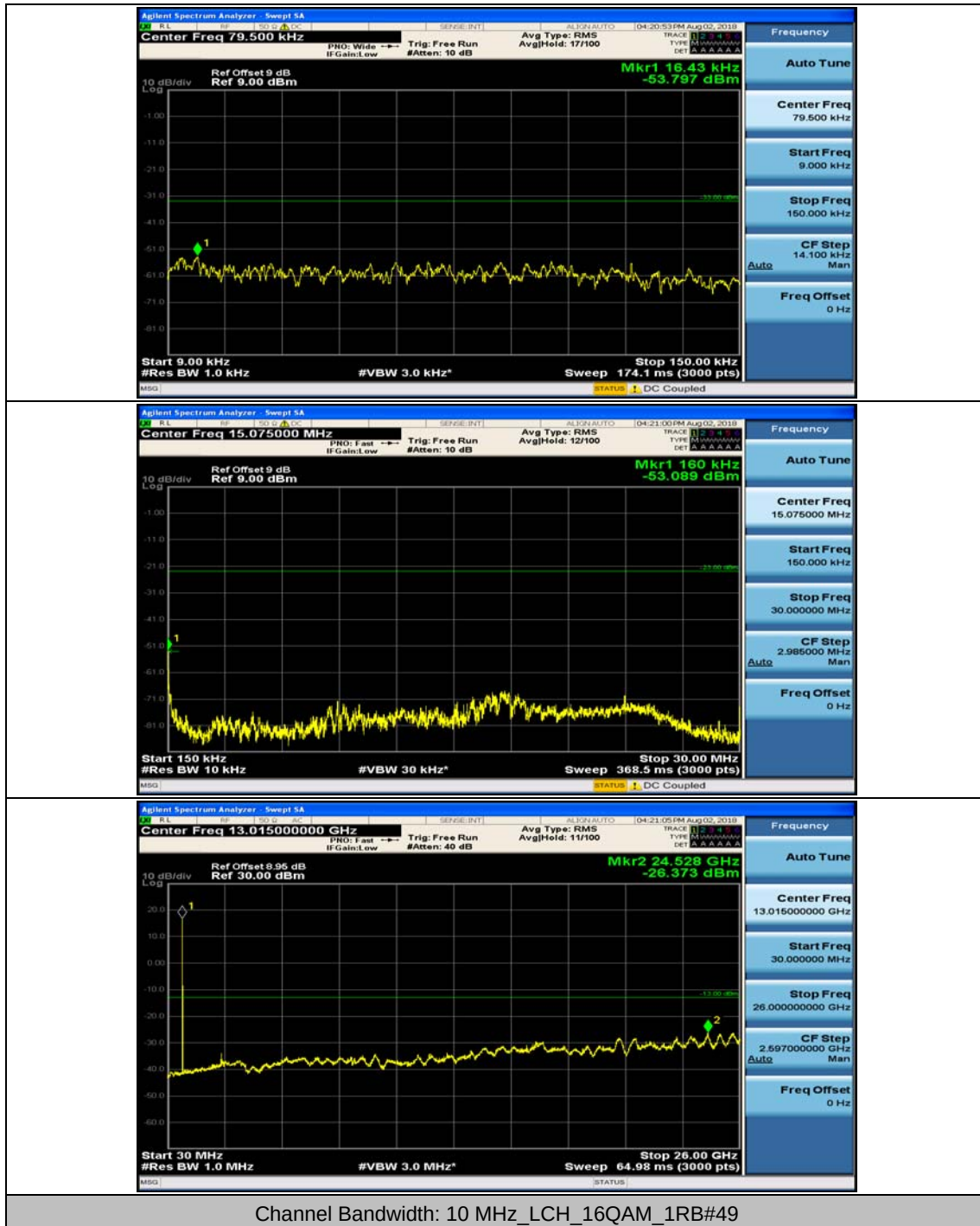


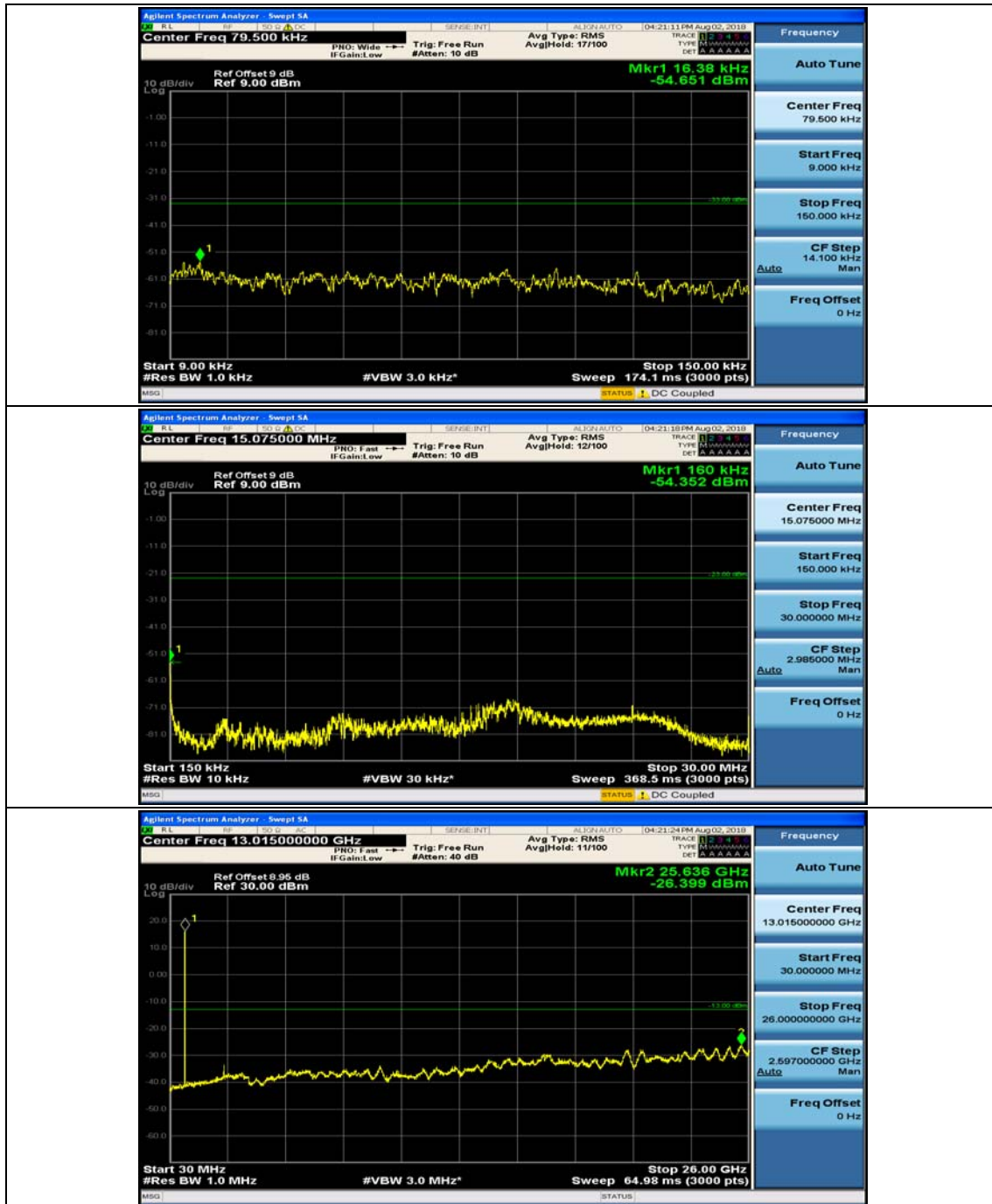


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

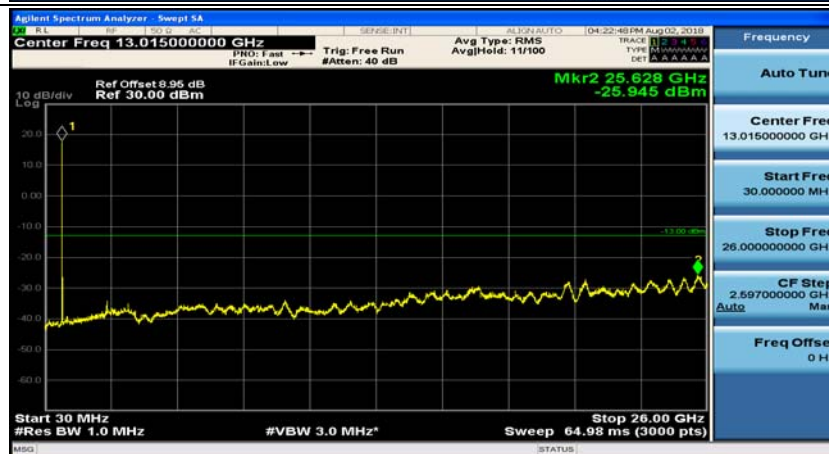
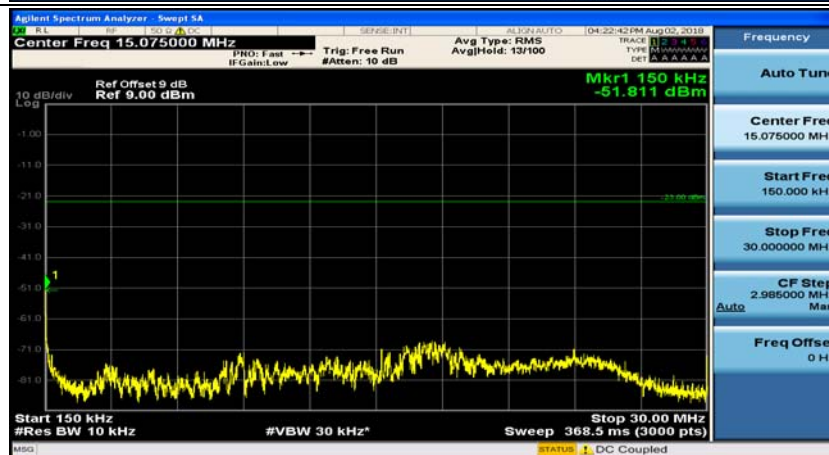
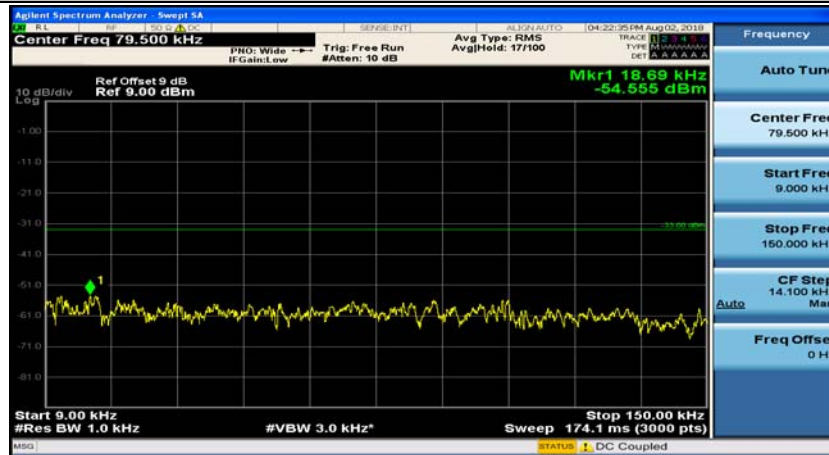


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

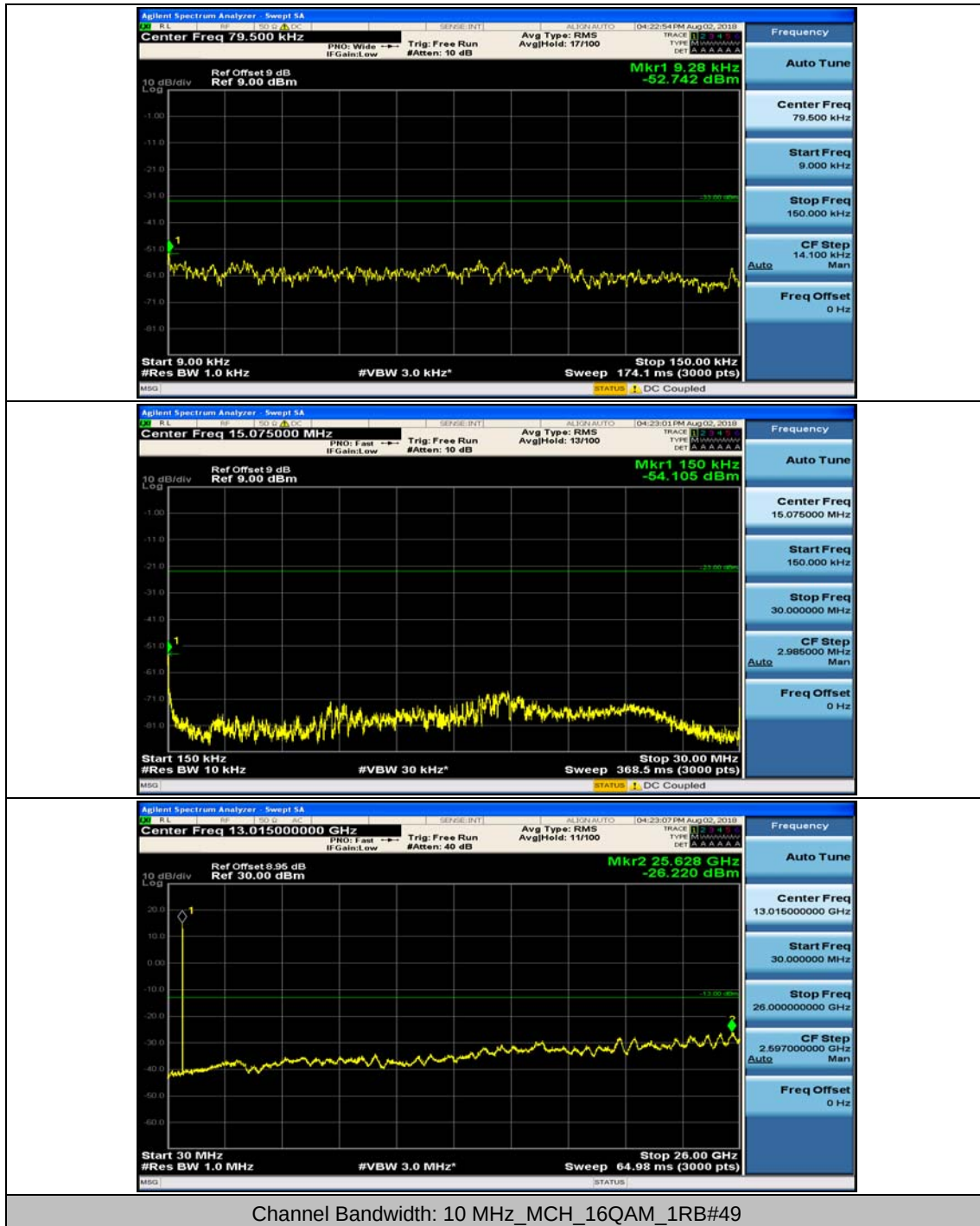


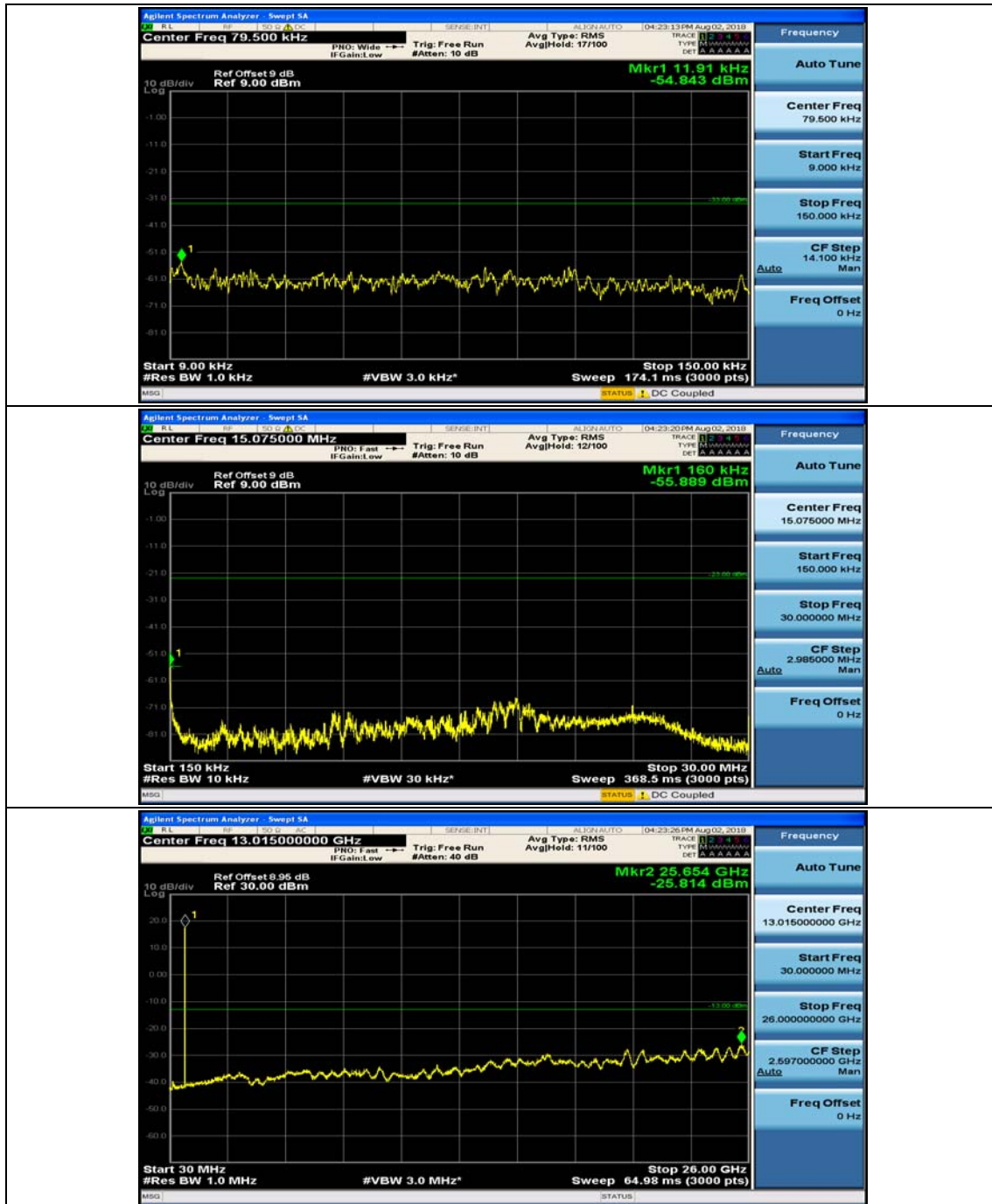


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

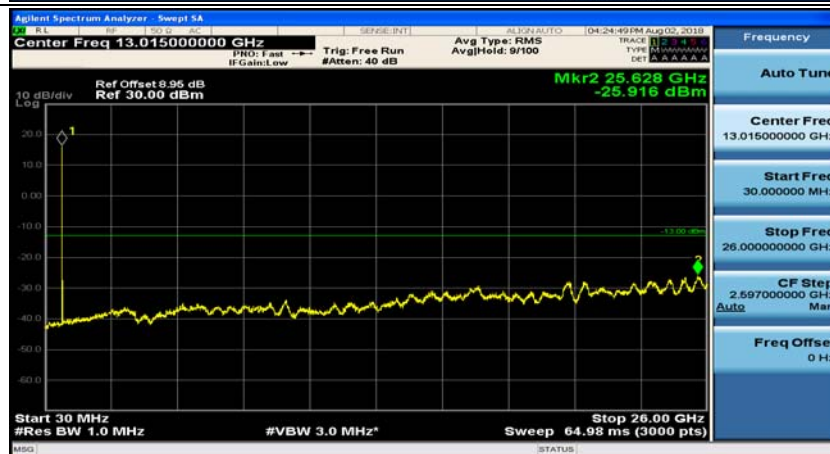
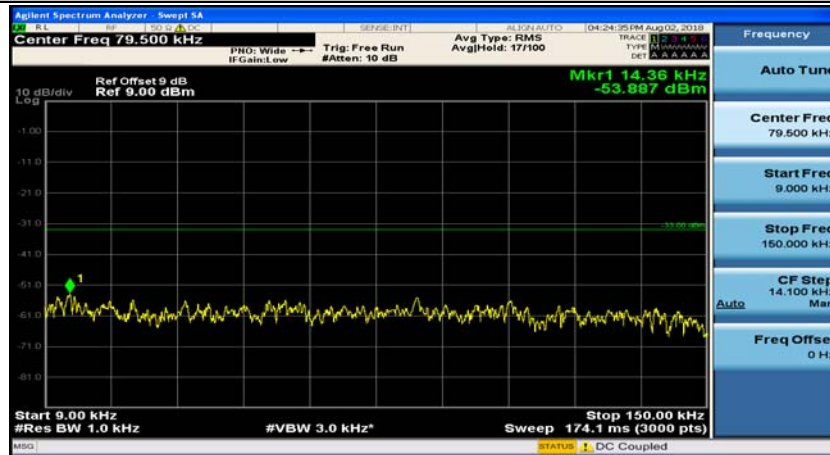


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

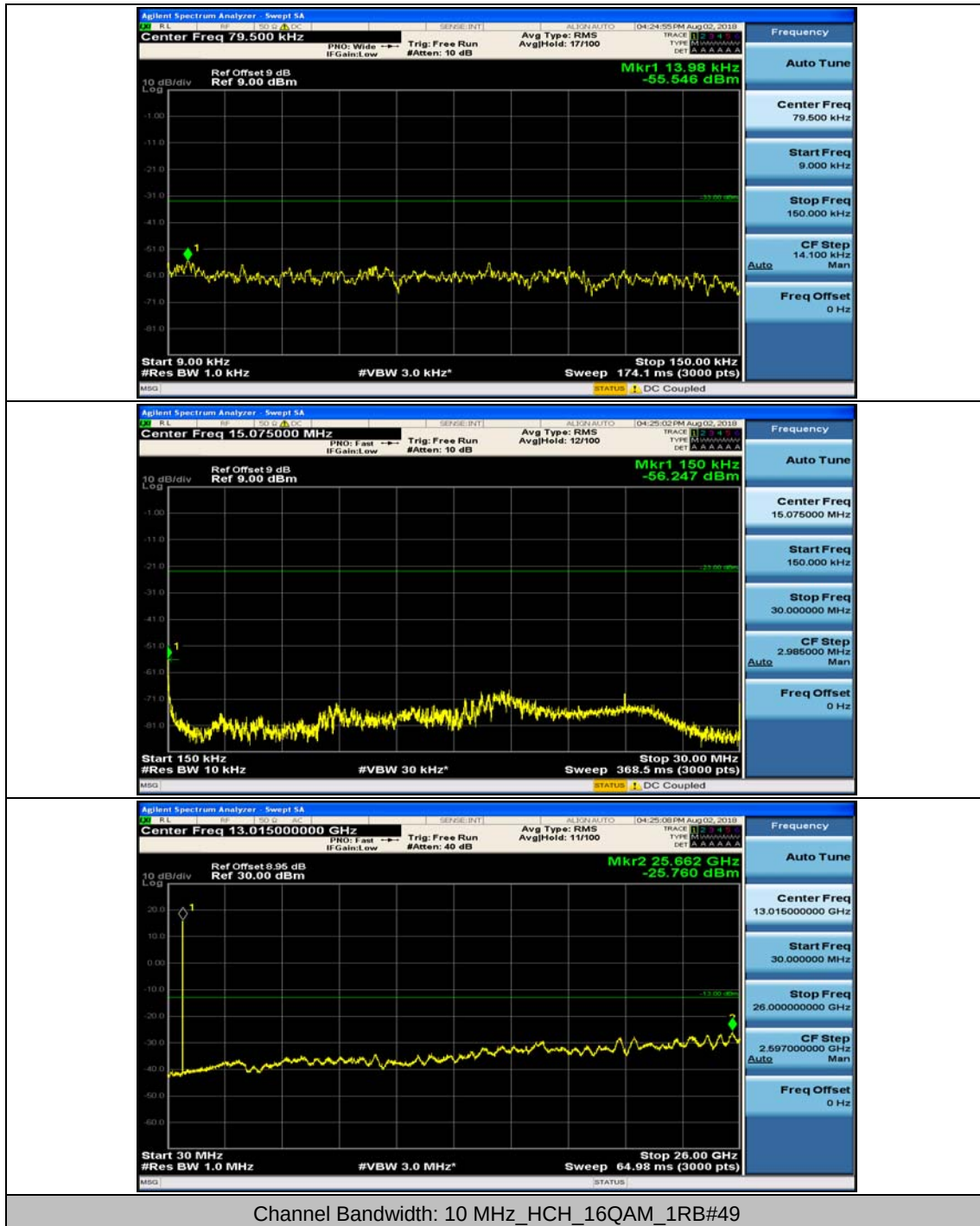


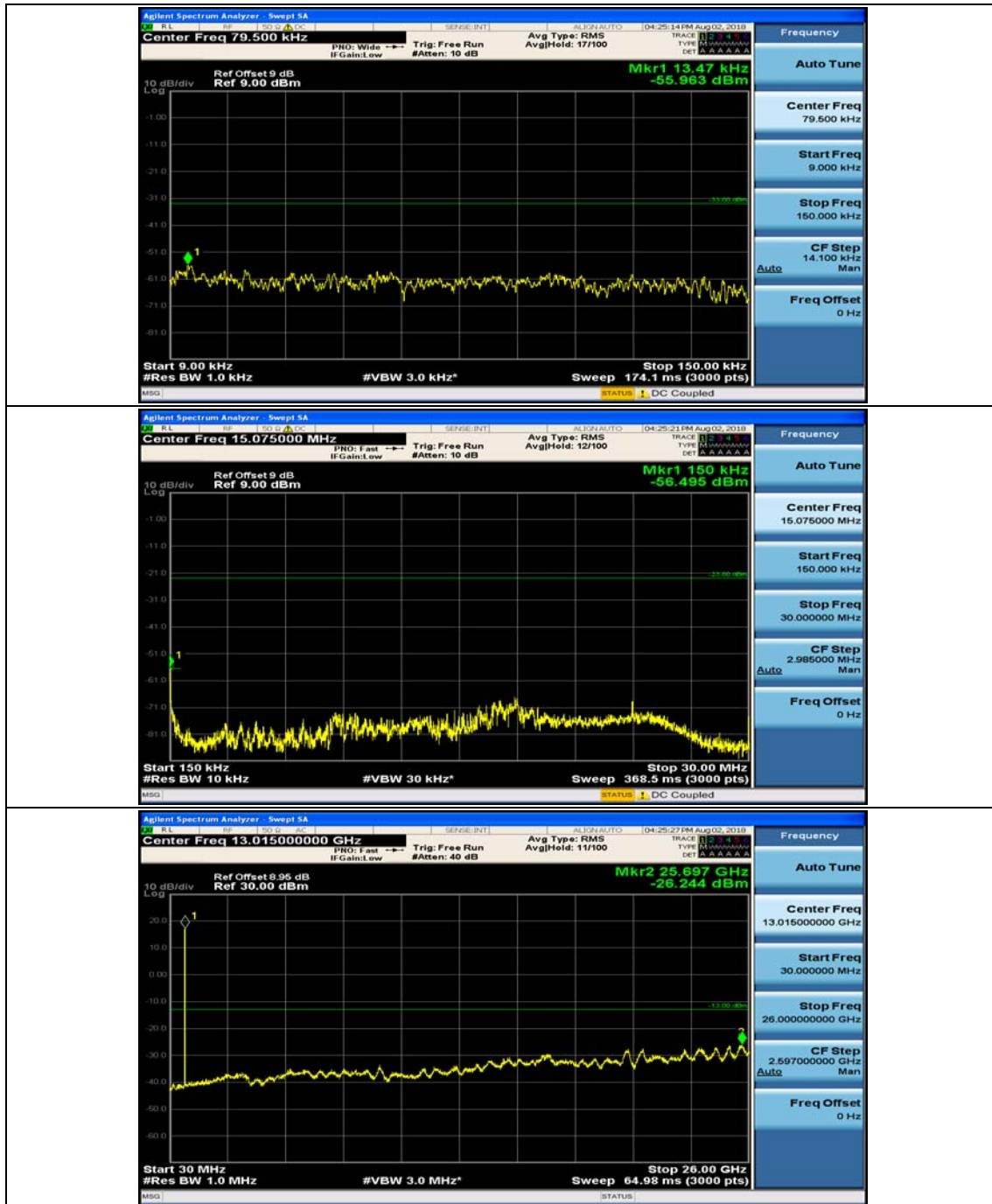


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





Appendix F: 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	3.71	0.005251	± 2.5	PASS
		VN	TN	-0.87	-0.001231	± 2.5	PASS
		VH	TN	2.72	0.003850	± 2.5	PASS
	MCH	VL	TN	2.22	0.003127	± 2.5	PASS
		VN	TN	-0.5	-0.000704	± 2.5	PASS
		VH	TN	-1.95	-0.002746	± 2.5	PASS
	HCH	VL	TN	4.94	0.006924	± 2.5	PASS
		VN	TN	1.24	0.001738	± 2.5	PASS
		VH	TN	0.68	0.000953	± 2.5	PASS
16QAM	LCH	VL	TN	4.44	0.006285	± 2.5	PASS
		VN	TN	4.53	0.006412	± 2.5	PASS
		VH	TN	4.32	0.006115	± 2.5	PASS
	MCH	VL	TN	1.4	0.001972	± 2.5	PASS
		VN	TN	0.69	0.000972	± 2.5	PASS
		VH	TN	-1.1	-0.001549	± 2.5	PASS
	HCH	VL	TN	-1.82	-0.002551	± 2.5	PASS
		VN	TN	2.25	0.003153	± 2.5	PASS
		VH	TN	2.56	0.003588	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.81	0.003977	± 2.5	PASS
		VN	-20	2.01	0.002845	± 2.5	PASS
		VN	-10	2.38	0.003369	± 2.5	PASS
		VN	0	1.4	0.001982	± 2.5	PASS
		VN	10	3.09	0.004374	± 2.5	PASS
		VN	20	4.79	0.006780	± 2.5	PASS
		VN	30	3.18	0.004501	± 2.5	PASS
		VN	40	2.46	0.003482	± 2.5	PASS
		VN	50	3.38	0.004784	± 2.5	PASS
	MCH	VN	-30	-0.08	-0.000113	± 2.5	PASS

		VN	-20	1.7	0.002394	± 2.5	PASS
		VN	-10	3.7	0.005211	± 2.5	PASS
		VN	0	1.72	0.002423	± 2.5	PASS
		VN	10	-0.44	-0.000620	± 2.5	PASS
		VN	20	-1.28	-0.001803	± 2.5	PASS
		VN	30	4.54	0.006394	± 2.5	PASS
		VN	40	-2	-0.002817	± 2.5	PASS
		VN	50	-1.43	-0.002014	± 2.5	PASS
	HCH	VN	-30	-1.59	-0.002228	± 2.5	PASS
		VN	-20	4.89	0.006854	± 2.5	PASS
		VN	-10	1.99	0.002789	± 2.5	PASS
		VN	0	3.41	0.004779	± 2.5	PASS
		VN	10	2.46	0.003448	± 2.5	PASS
		VN	20	1.62	0.002270	± 2.5	PASS
		VN	30	-1.56	-0.002186	± 2.5	PASS
		VN	40	0.99	0.001388	± 2.5	PASS
		VN	50	1.16	0.001626	± 2.5	PASS
16QAM	LCH	VN	-30	1.3	0.001840	± 2.5	PASS
		VN	-20	-0.24	-0.000340	± 2.5	PASS
		VN	-10	4.93	0.006978	± 2.5	PASS
		VN	0	2.88	0.004076	± 2.5	PASS
		VN	10	4.67	0.006610	± 2.5	PASS
		VN	20	-1.99	-0.002817	± 2.5	PASS
		VN	30	2.58	0.003652	± 2.5	PASS
		VN	40	1.33	0.001883	± 2.5	PASS
		VN	50	2.73	0.003864	± 2.5	PASS
	MCH	VN	-30	-1.89	-0.002649	± 2.5	PASS
		VN	-20	3.18	0.004457	± 2.5	PASS
		VN	-10	1.44	0.002018	± 2.5	PASS
		VN	0	4.34	0.006083	± 2.5	PASS
		VN	10	2.65	0.003714	± 2.5	PASS
		VN	20	1.17	0.001640	± 2.5	PASS
		VN	30	-1.89	-0.002649	± 2.5	PASS
		VN	40	0.88	0.001233	± 2.5	PASS
		VN	50	-0.69	-0.000967	± 2.5	PASS
	HCH	VN	-30	4.35	0.006097	± 2.5	PASS
		VN	-20	0.92	0.001289	± 2.5	PASS
		VN	-10	2.14	0.002999	± 2.5	PASS
		VN	0	1.76	0.002467	± 2.5	PASS
		VN	10	1.36	0.001906	± 2.5	PASS
		VN	20	3.2	0.004485	± 2.5	PASS

		VN	30	4.43	0.006209	± 2.5	PASS
		VN	40	0.68	0.000953	± 2.5	PASS
		VN	50	4.15	0.005816	± 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	1.24	0.001749	± 2.5	PASS
		VN	TN	-1.85	-0.002609	± 2.5	PASS
		VH	TN	2.44	0.003441	± 2.5	PASS
	MCH	VL	TN	2.83	0.003986	± 2.5	PASS
		VN	TN	3.52	0.004958	± 2.5	PASS
		VH	TN	4.79	0.006746	± 2.5	PASS
	HCH	VL	TN	-1.5	-0.002110	± 2.5	PASS
		VN	TN	1.88	0.002644	± 2.5	PASS
		VH	TN	-1.45	-0.002039	± 2.5	PASS
16QAM	LCH	VL	TN	-1.61	-0.002271	± 2.5	PASS
		VN	TN	-1.59	-0.002243	± 2.5	PASS
		VH	TN	3.07	0.004330	± 2.5	PASS
	MCH	VL	TN	2.32	0.003268	± 2.5	PASS
		VN	TN	1.12	0.001577	± 2.5	PASS
		VH	TN	-0.61	-0.000859	± 2.5	PASS
	HCH	VL	TN	-0.24	-0.000338	± 2.5	PASS
		VN	TN	0.81	0.001139	± 2.5	PASS
		VH	TN	-0.51	-0.000717	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	3.08	0.004344	± 2.5	PASS
		VN	-20	2.05	0.002891	± 2.5	PASS
		VN	-10	3.84	0.005416	± 2.5	PASS
		VN	0	0.46	0.000649	± 2.5	PASS
		VN	10	-1.45	-0.002045	± 2.5	PASS
		VN	20	1.98	0.002793	± 2.5	PASS
		VN	30	1.04	0.001467	± 2.5	PASS
		VN	40	3.56	0.005021	± 2.5	PASS
		VN	50	4.91	0.006925	± 2.5	PASS
	MCH	VN	-30	-1.54	-0.002169	± 2.5	PASS
		VN	-20	2.17	0.003056	± 2.5	PASS

		VN	-10	-0.26	-0.000366	± 2.5	PASS
		VN	0	0.86	0.001211	± 2.5	PASS
		VN	10	-1.61	-0.002268	± 2.5	PASS
		VN	20	-1.02	-0.001437	± 2.5	PASS
		VN	30	4.96	0.006986	± 2.5	PASS
		VN	40	3.77	0.005310	± 2.5	PASS
		VN	50	4.24	0.005972	± 2.5	PASS
	HCH	VN	-30	-1.5	-0.002110	± 2.5	PASS
		VN	-20	1.84	0.002588	± 2.5	PASS
		VN	-10	-0.51	-0.000717	± 2.5	PASS
		VN	0	3.09	0.004346	± 2.5	PASS
		VN	10	4.41	0.006203	± 2.5	PASS
		VN	20	4.62	0.006498	± 2.5	PASS
		VN	30	4.85	0.006821	± 2.5	PASS
		VN	40	-0.8	-0.001125	± 2.5	PASS
		VN	50	-0.85	-0.001195	± 2.5	PASS
QPSK	LCH	VN	-30	0.95	0.001338	± 2.5	PASS
		VN	-20	3.85	0.005423	± 2.5	PASS
		VN	-10	3.83	0.005394	± 2.5	PASS
		VN	0	3.96	0.005577	± 2.5	PASS
		VN	10	2.87	0.004042	± 2.5	PASS
		VN	20	-1.57	-0.002211	± 2.5	PASS
		VN	30	-0.17	-0.000239	± 2.5	PASS
		VN	40	0.86	0.001211	± 2.5	PASS
		VN	50	2.98	0.004197	± 2.5	PASS
	MCH	VN	-30	-0.13	-0.000183	± 2.5	PASS
		VN	-20	2.74	0.003854	± 2.5	PASS
		VN	-10	-1.22	-0.001716	± 2.5	PASS
		VN	0	1.14	0.001603	± 2.5	PASS
		VN	10	0.28	0.000394	± 2.5	PASS
		VN	20	-1.5	-0.002110	± 2.5	PASS
		VN	30	4.18	0.005879	± 2.5	PASS
		VN	40	3.81	0.005359	± 2.5	PASS
		VN	50	3.19	0.004487	± 2.5	PASS
	HCH	VN	-30	0.63	0.000886	± 2.5	PASS
		VN	-20	3.77	0.005302	± 2.5	PASS
		VN	-10	-0.09	-0.000127	± 2.5	PASS
		VN	0	3.27	0.004599	± 2.5	PASS
		VN	10	3.88	0.005457	± 2.5	PASS
		VN	20	3.98	0.005598	± 2.5	PASS
		VN	30	4.9	0.006892	± 2.5	PASS

		VN	40	0.73	0.001027	± 2.5	PASS
		VN	50	1.04	0.001463	± 2.5	PASS