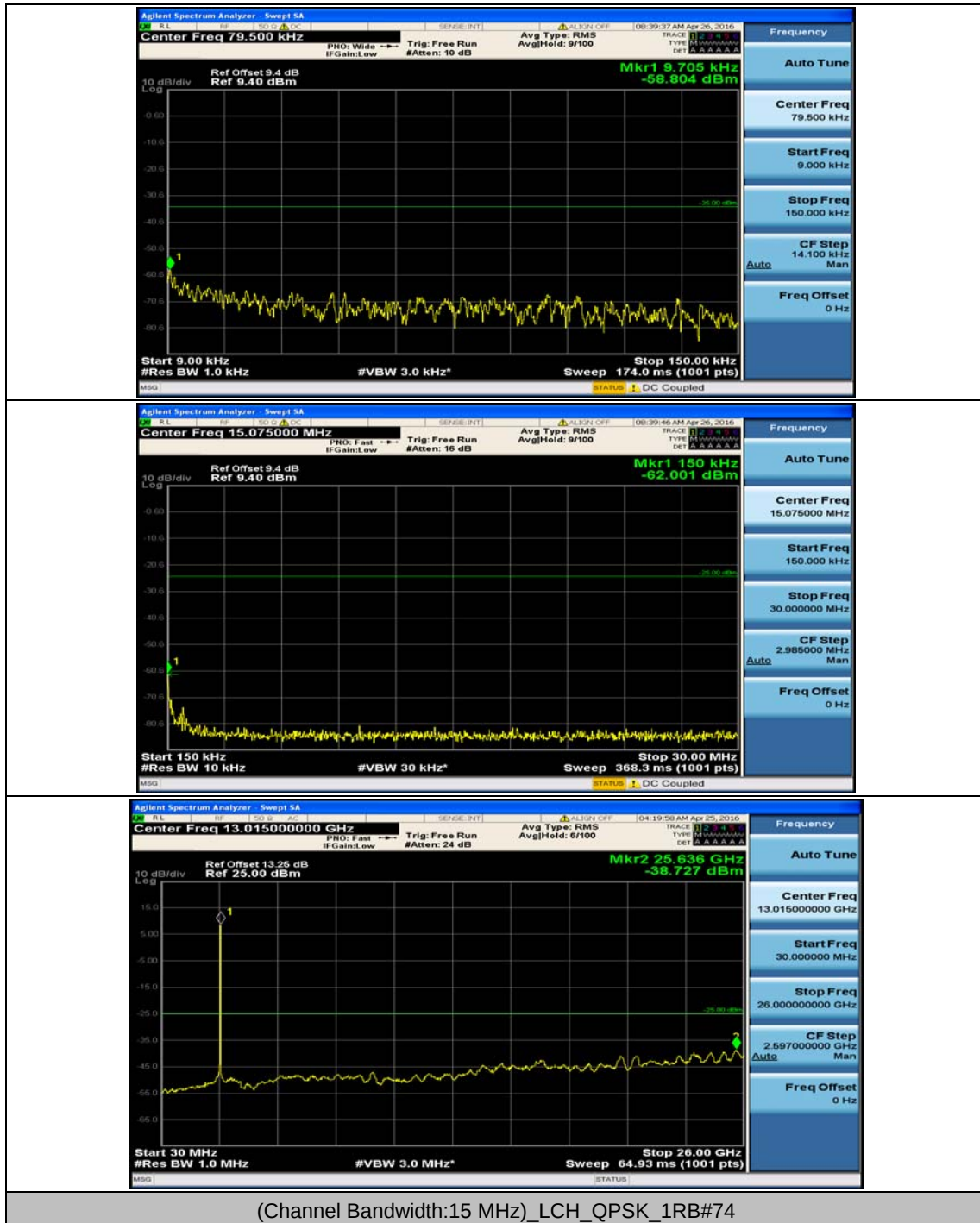
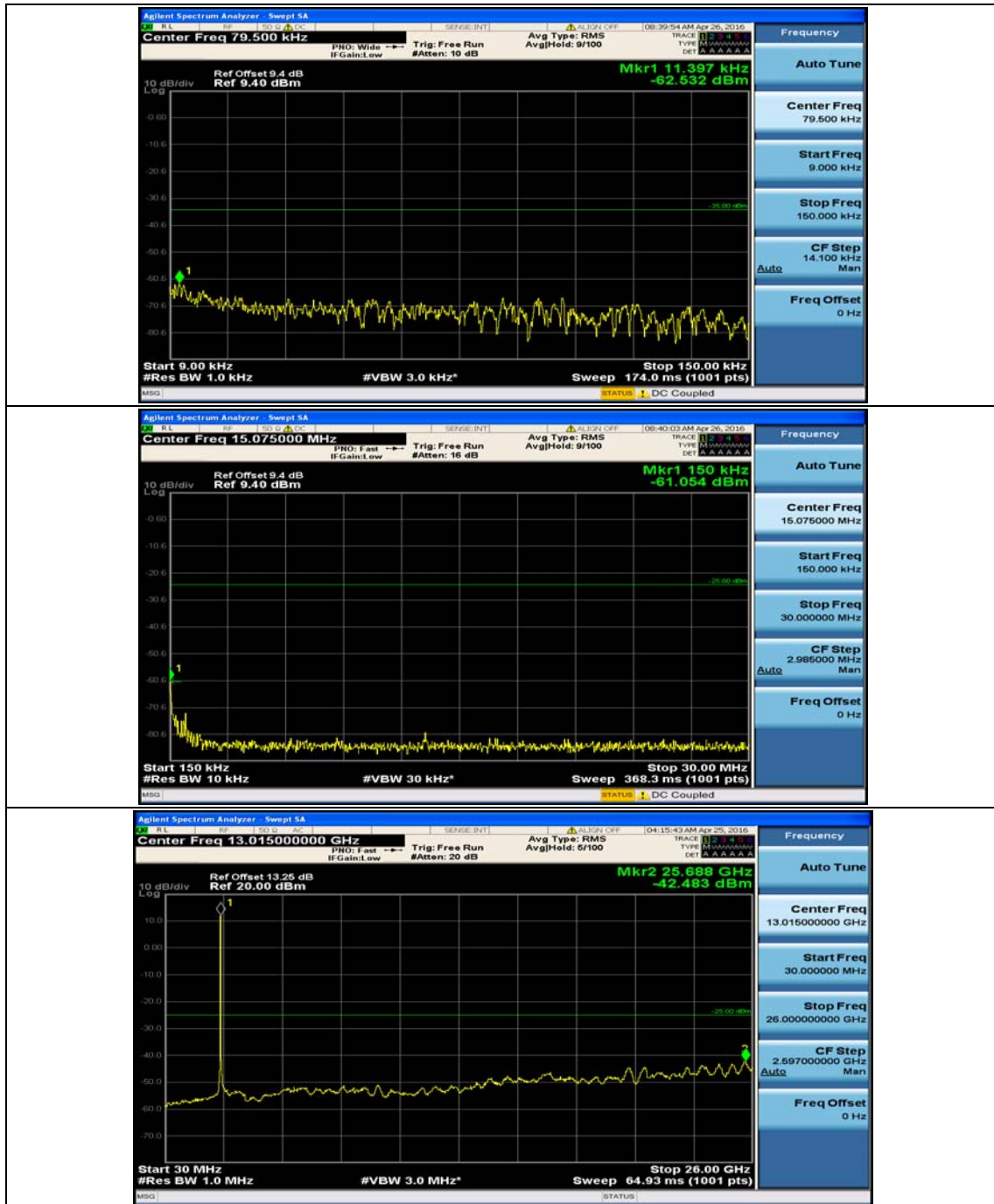
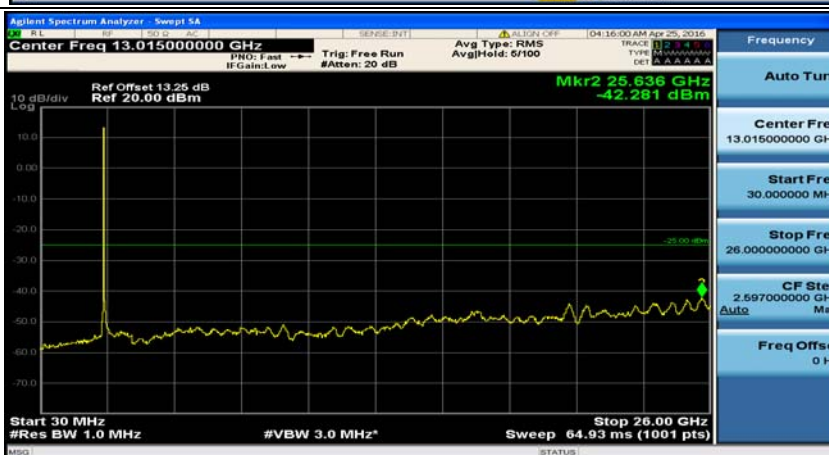
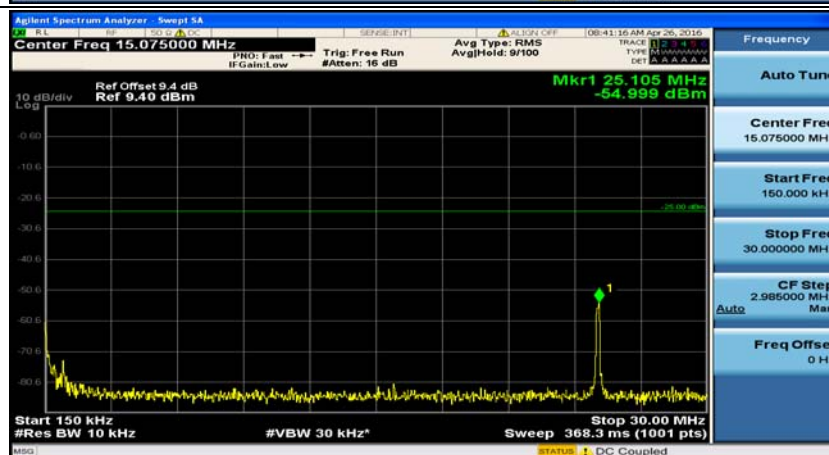
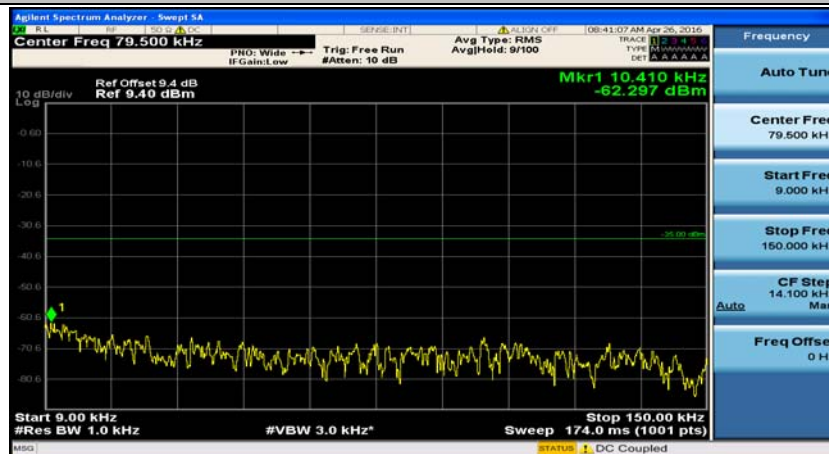


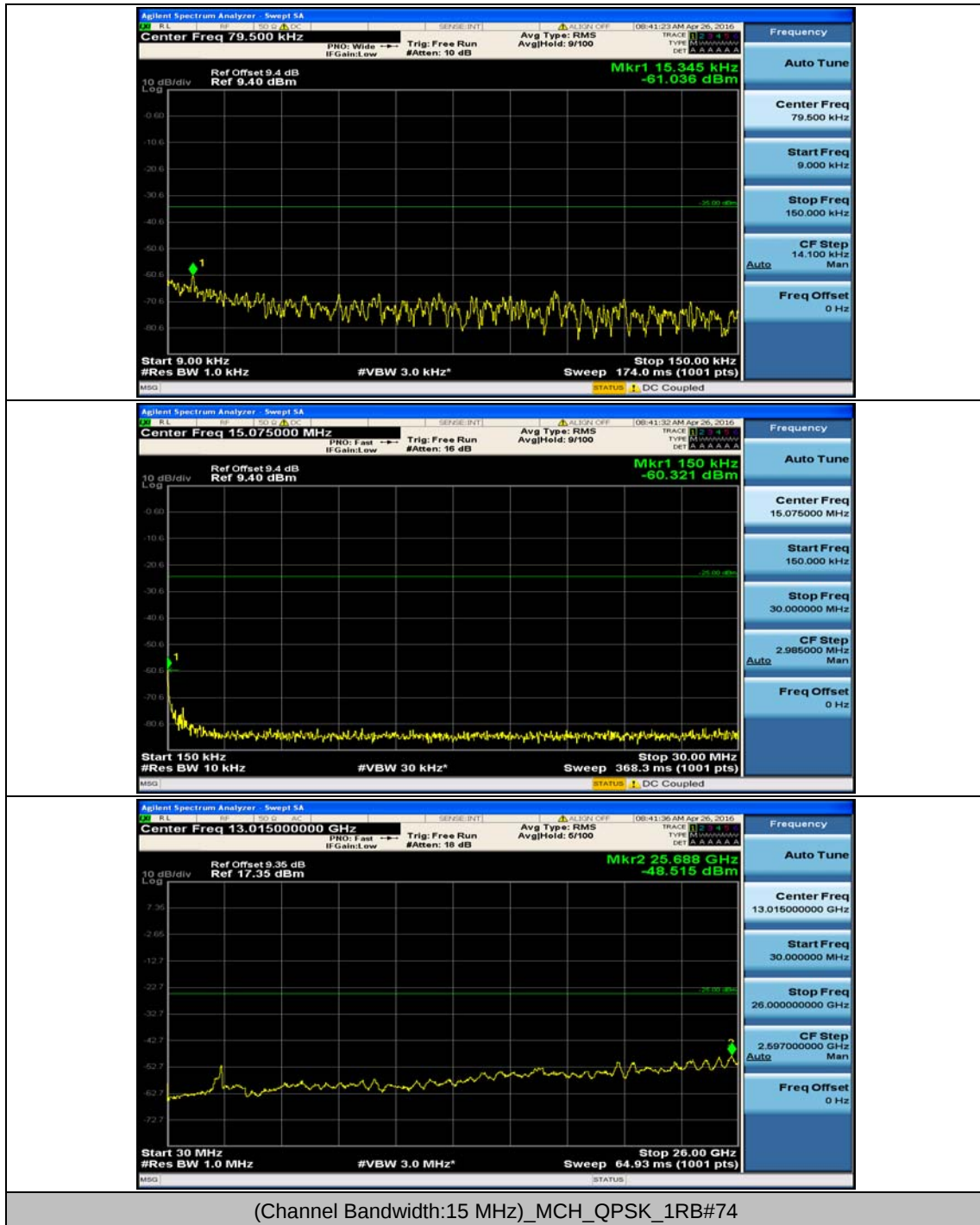


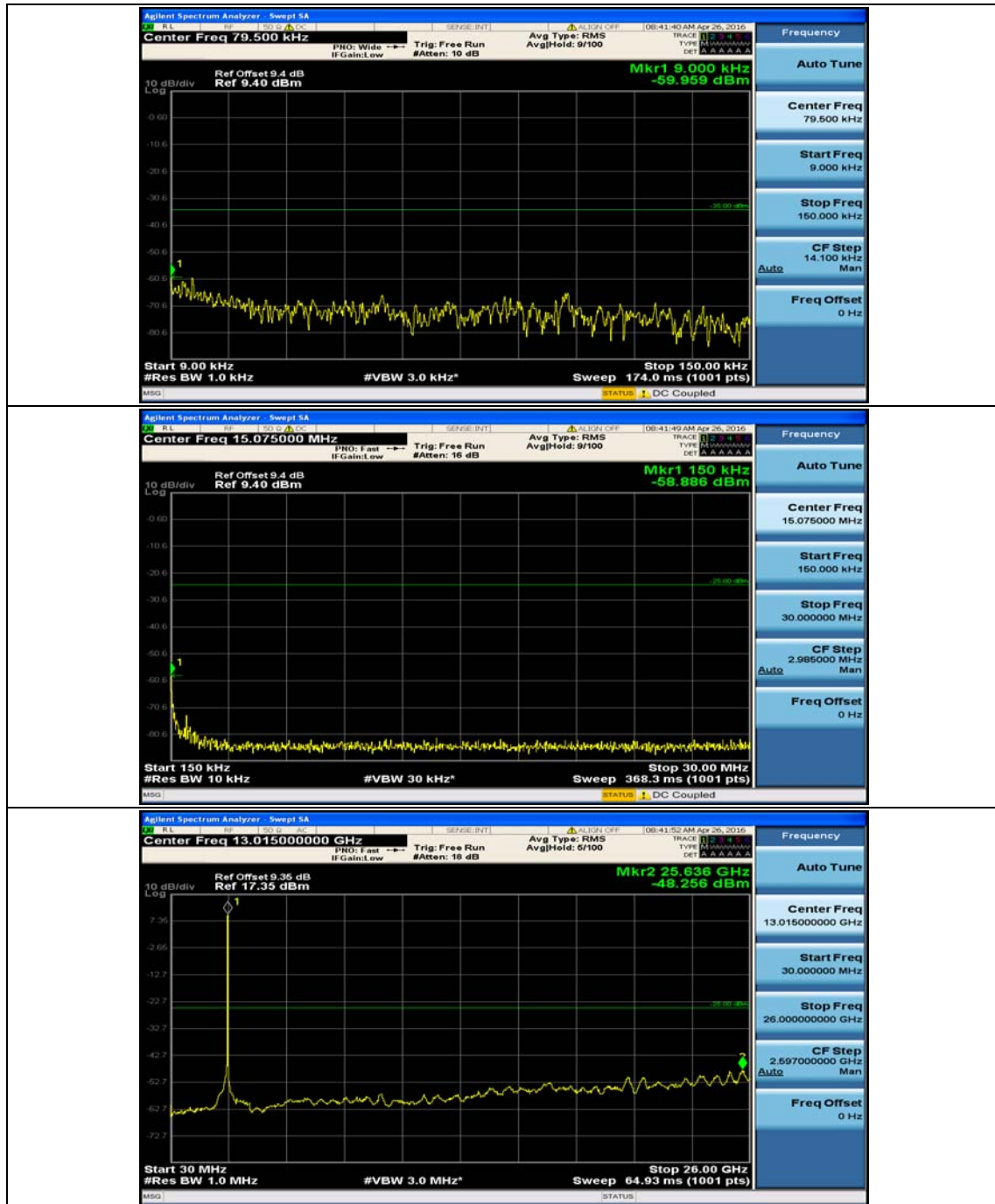


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

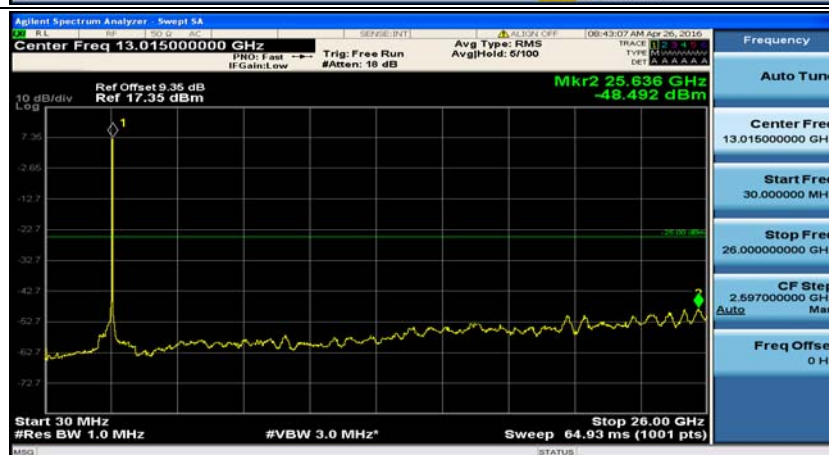
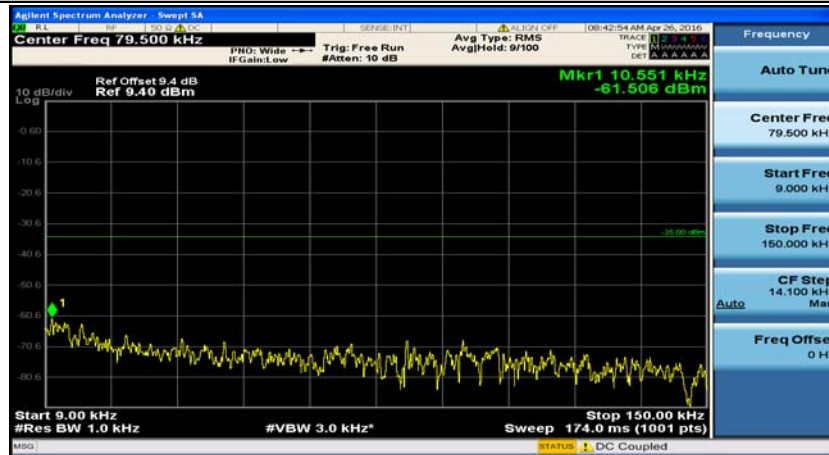


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

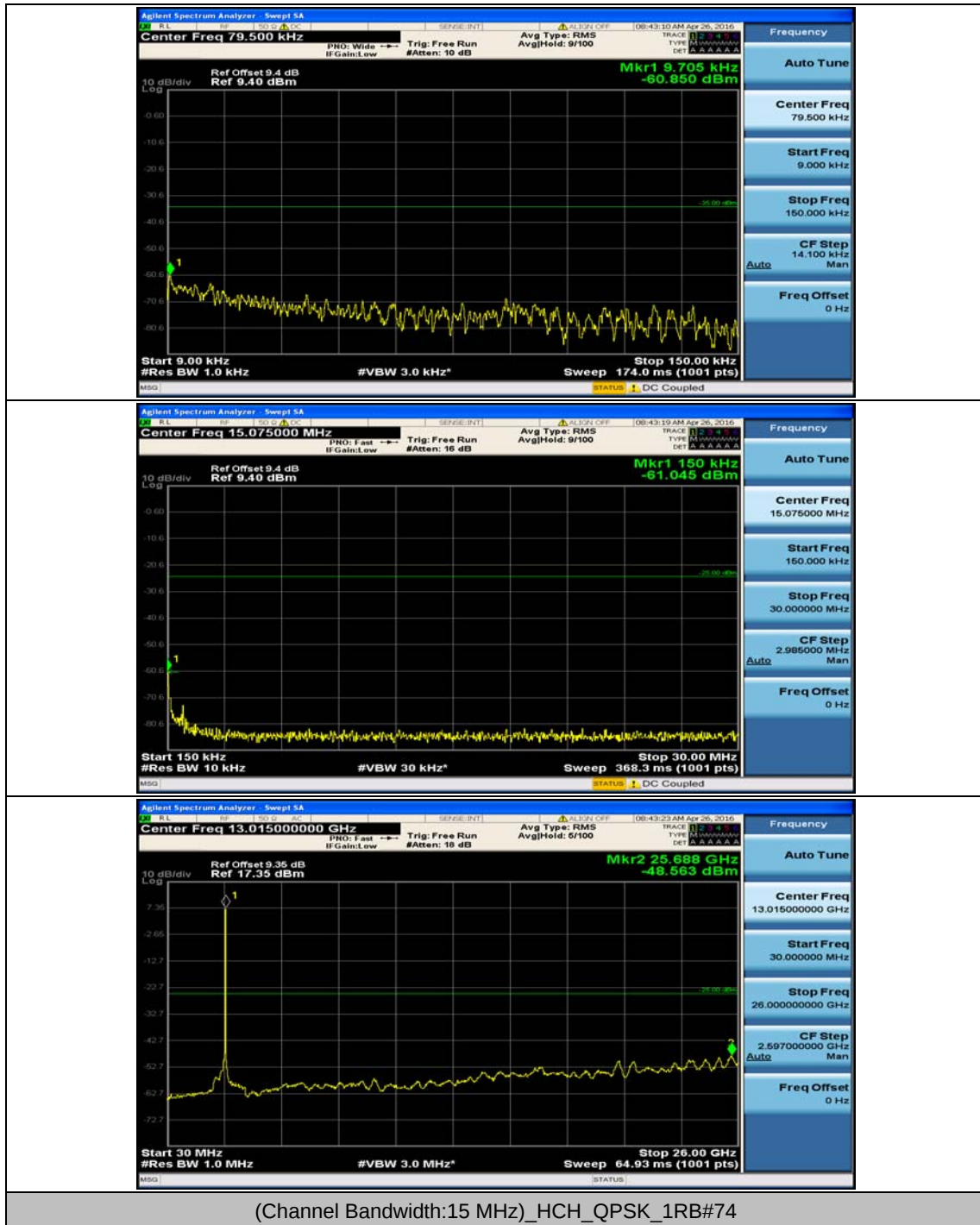


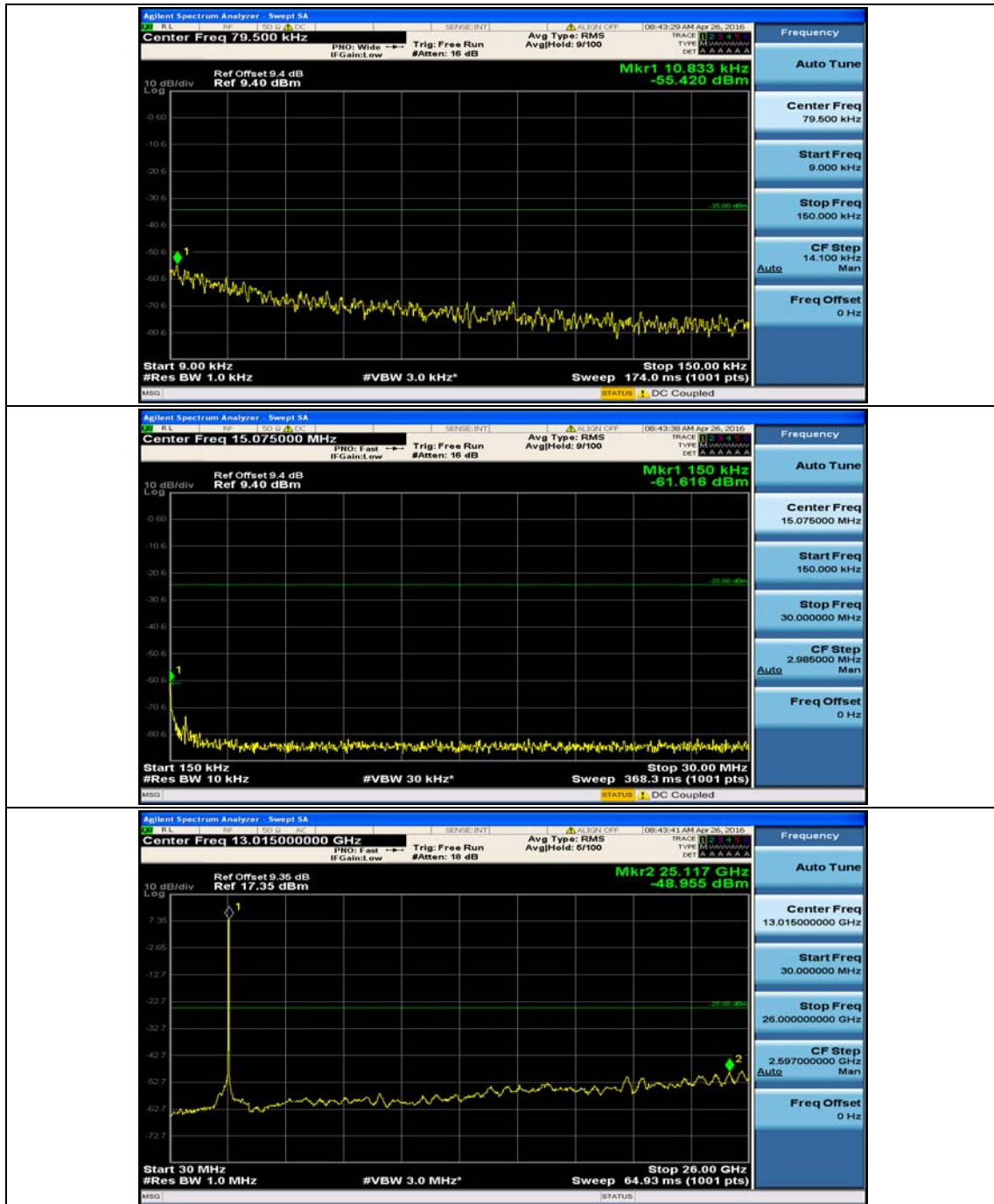


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

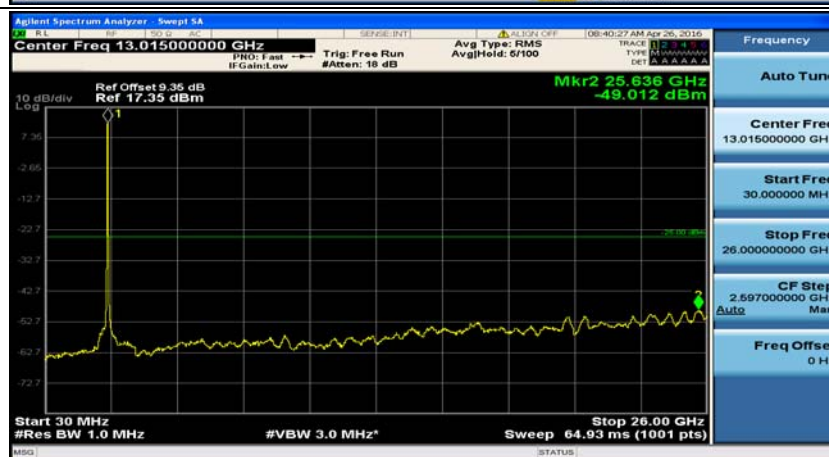
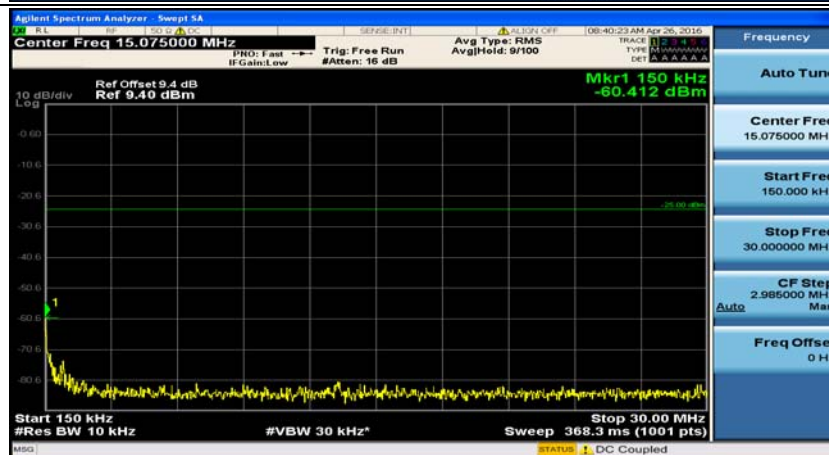
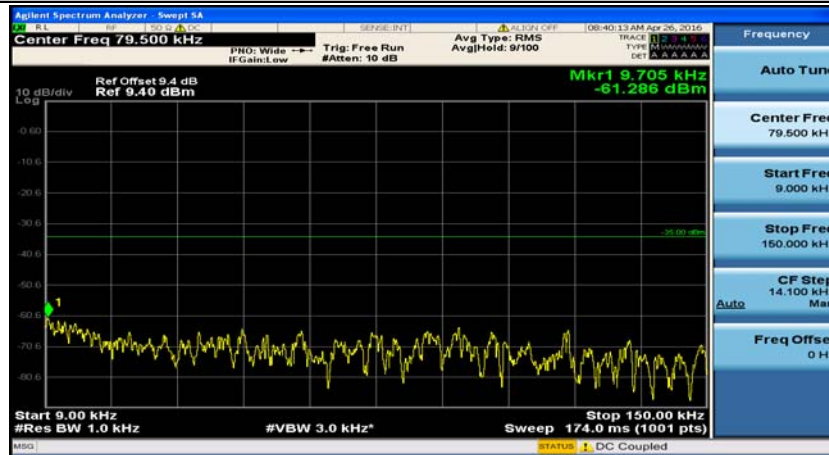


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

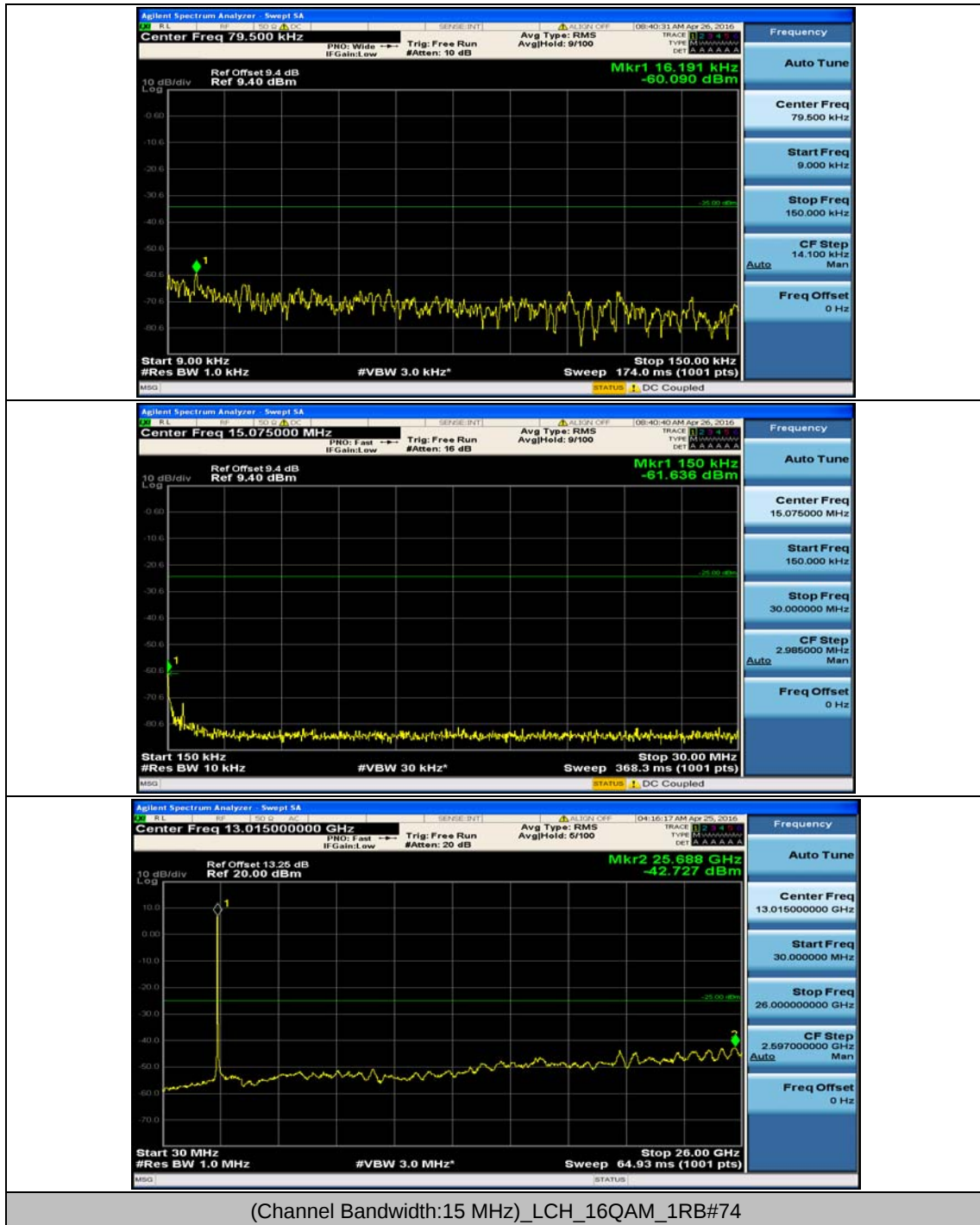


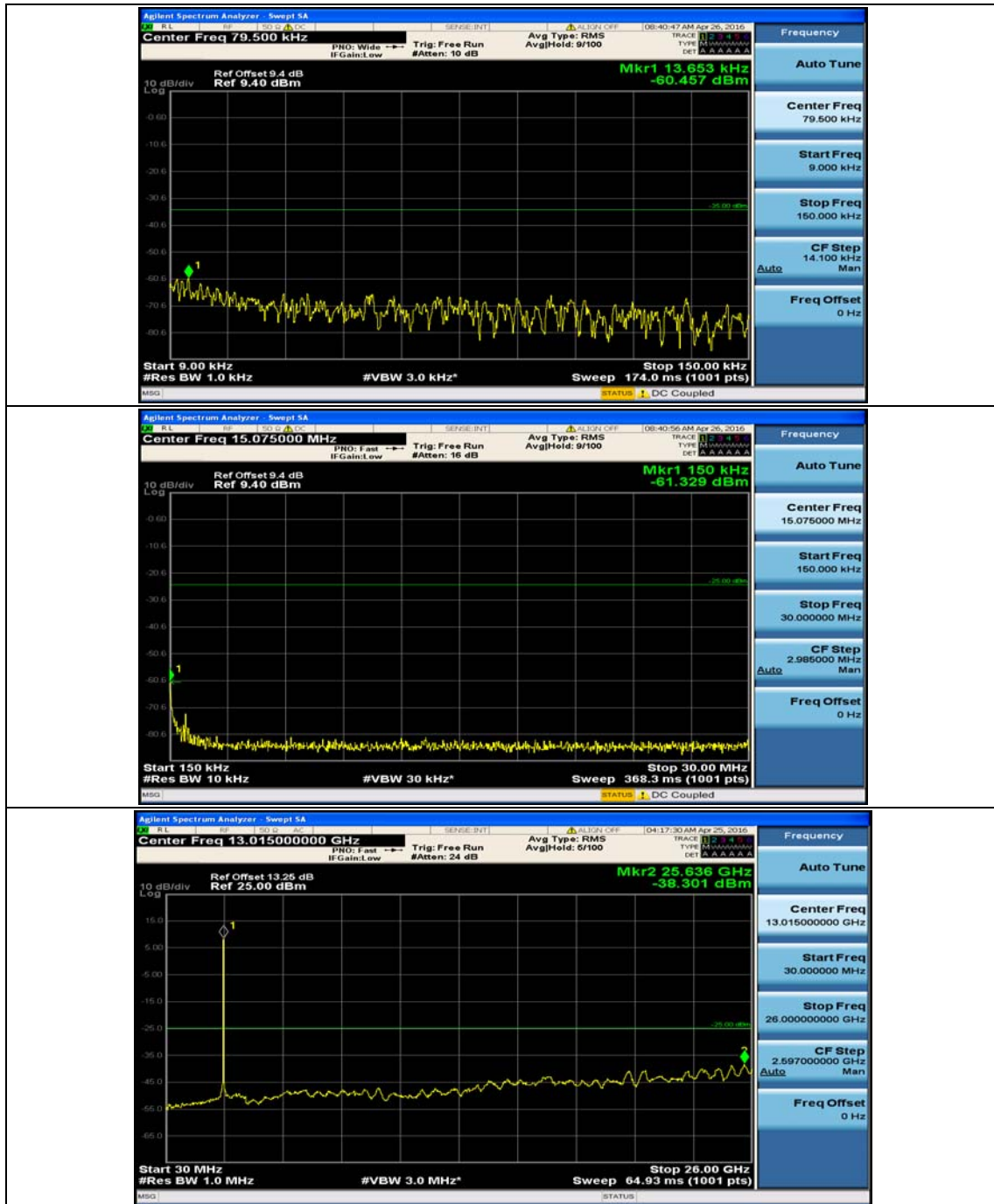


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

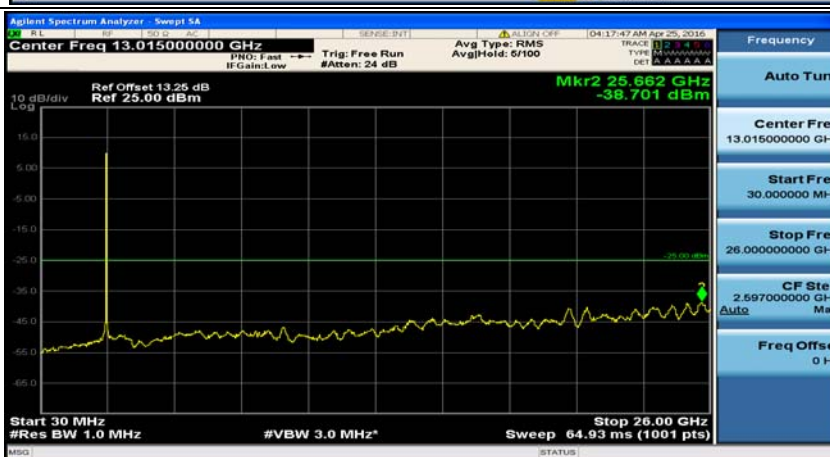
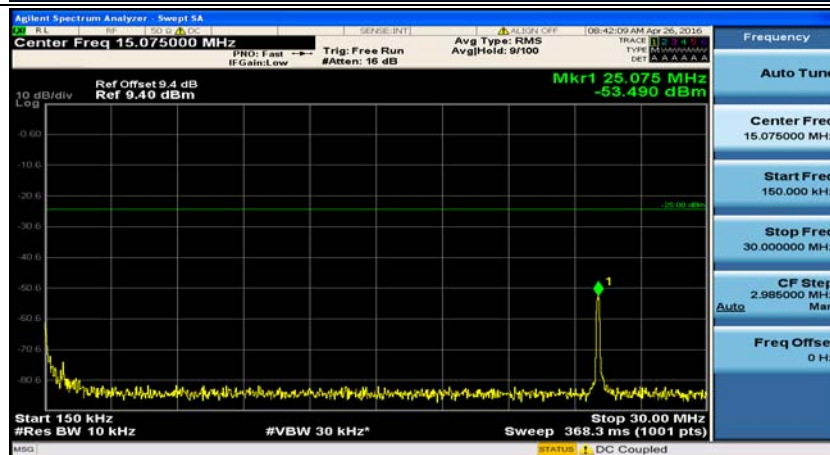
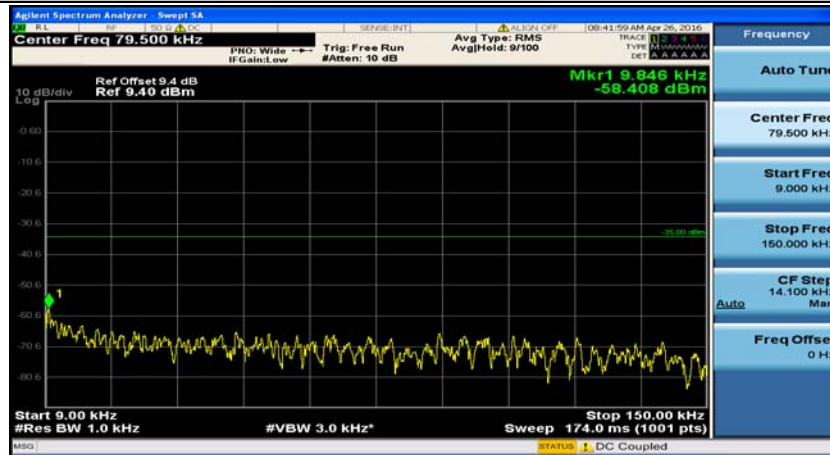


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

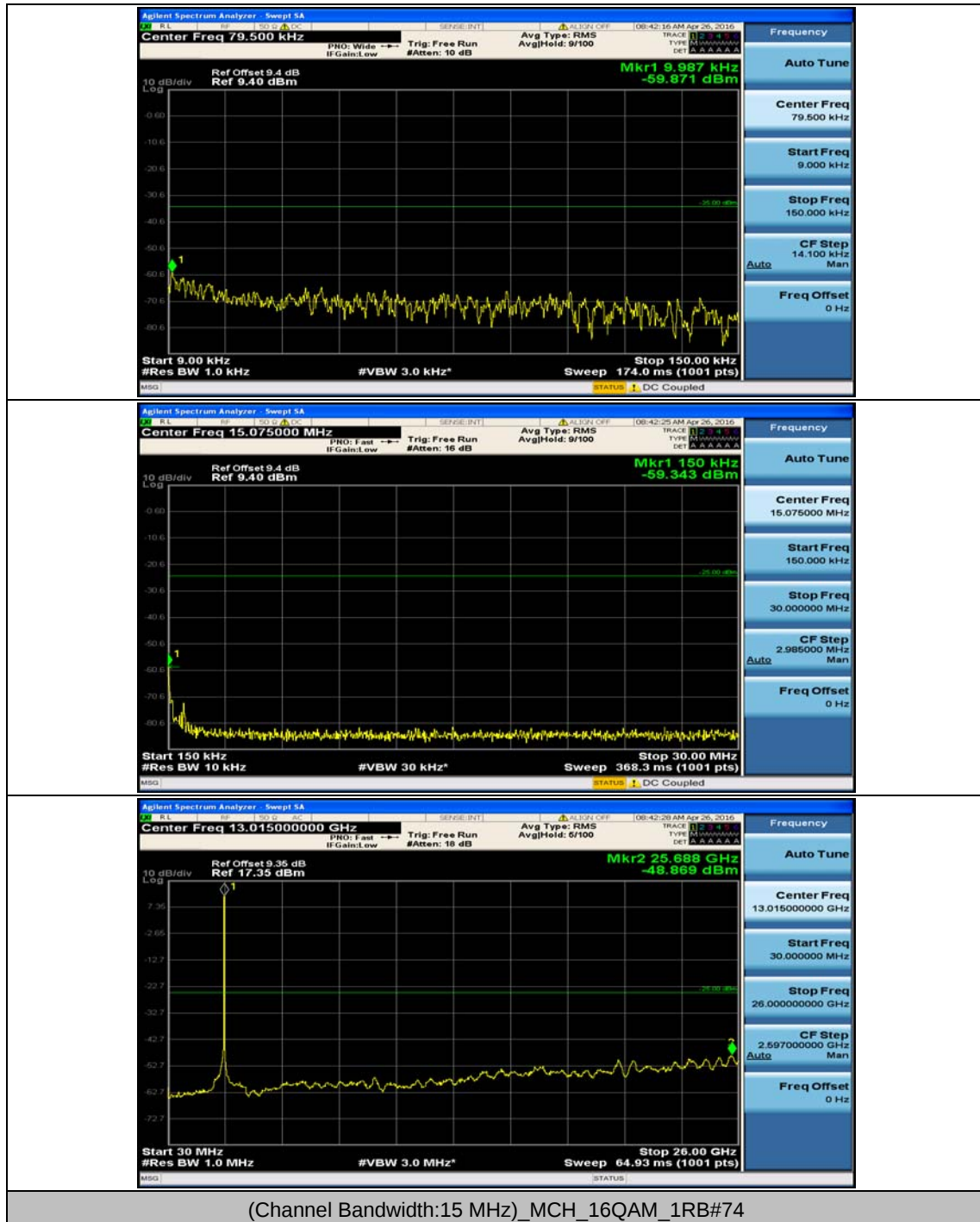


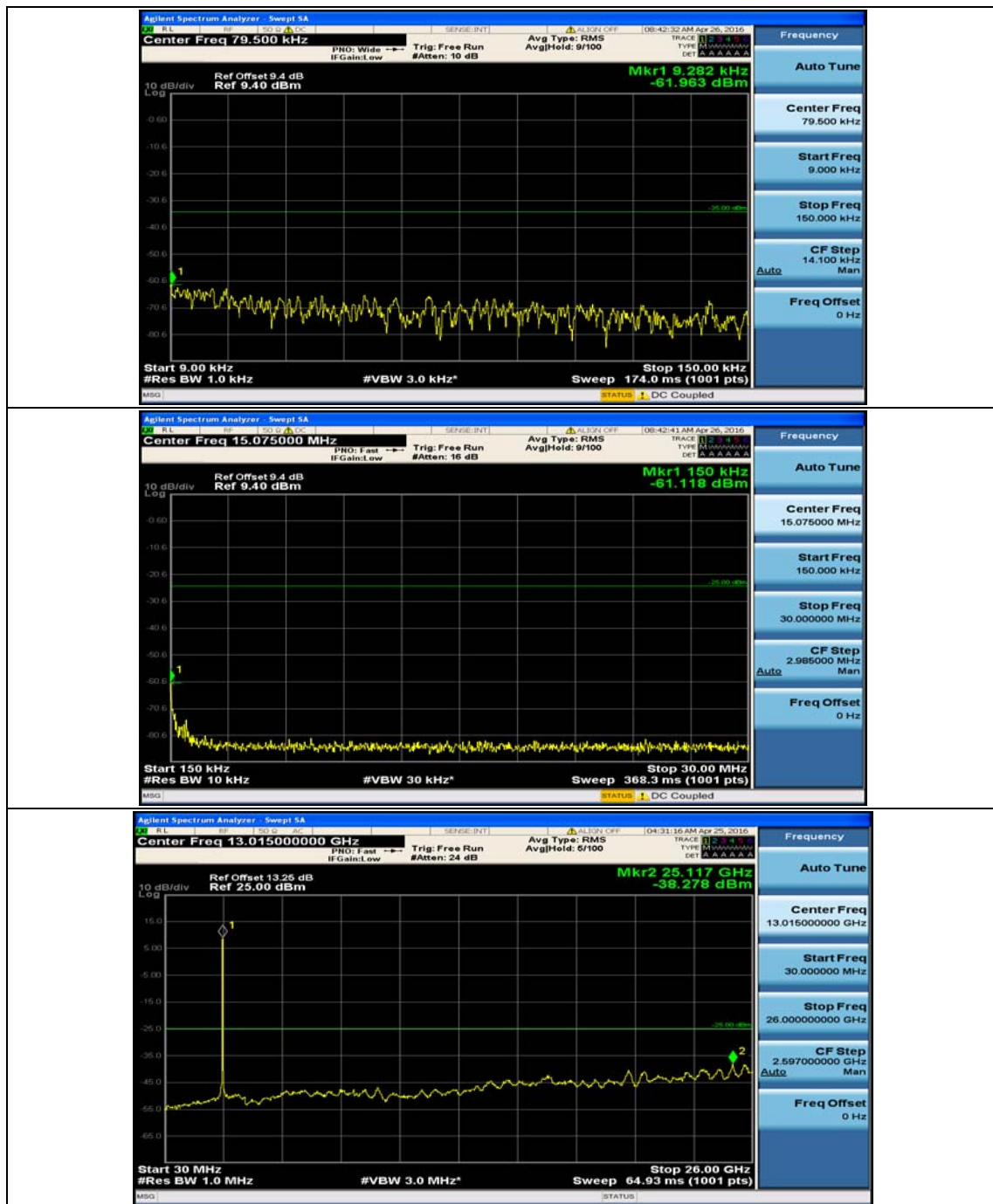


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

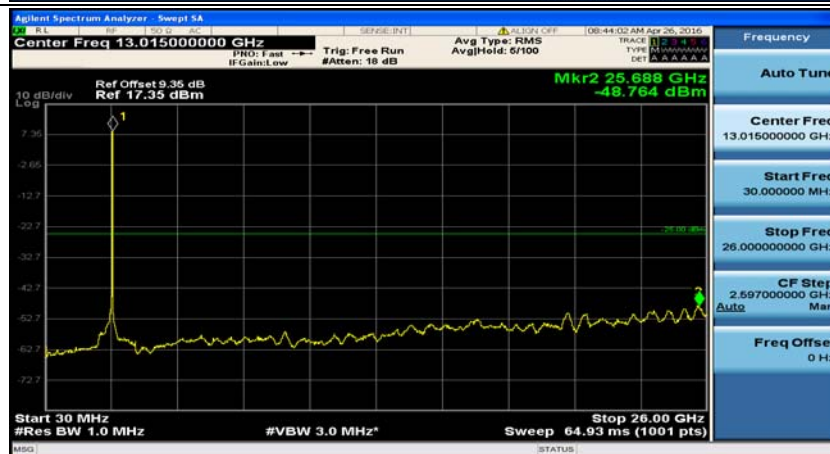
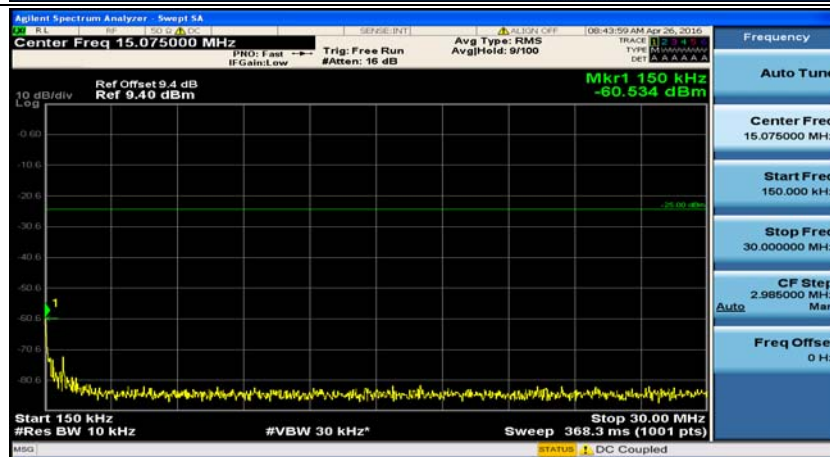
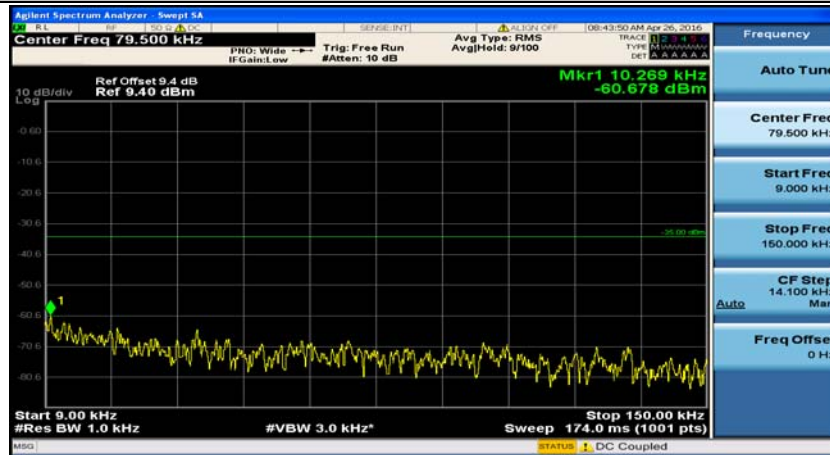


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

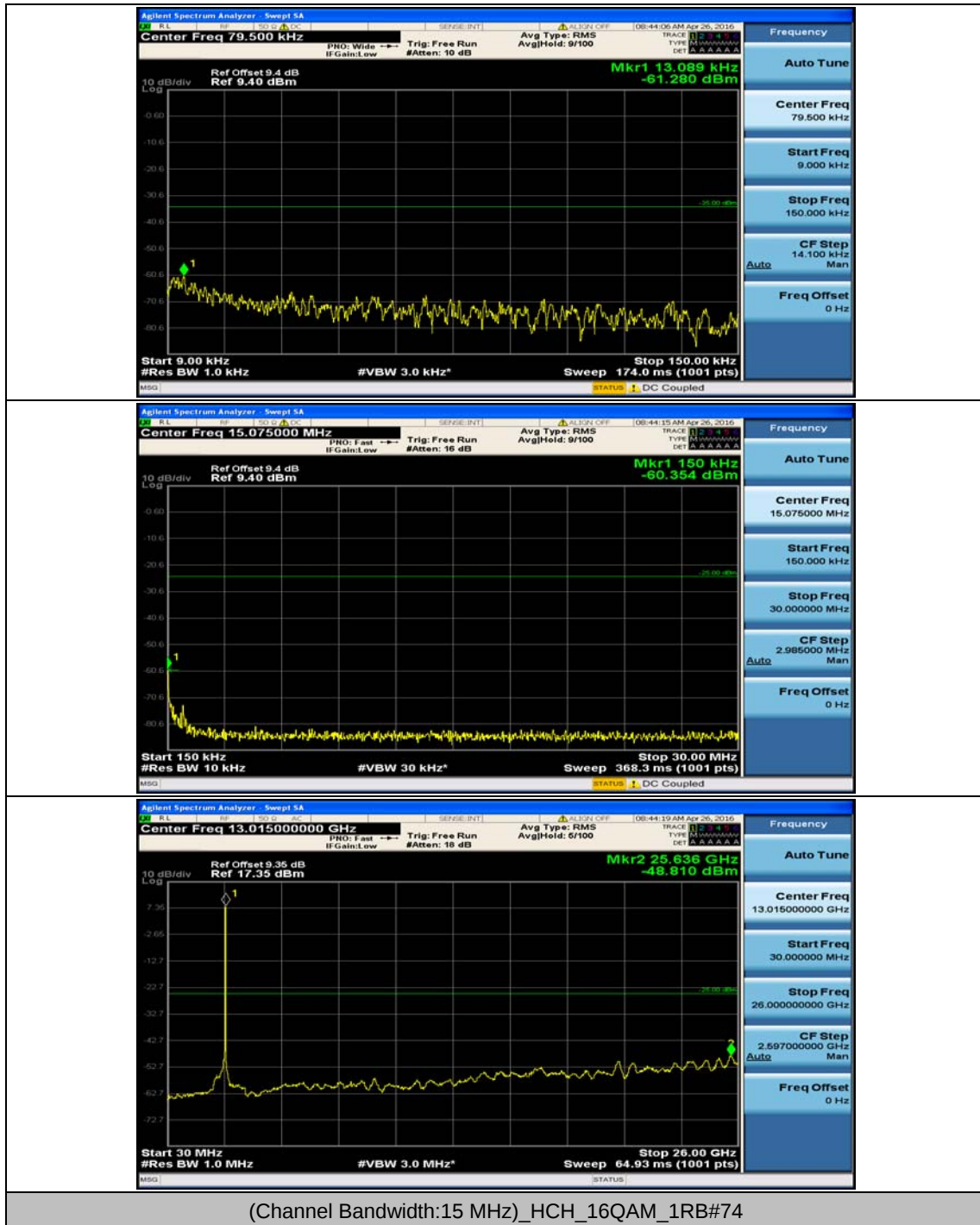


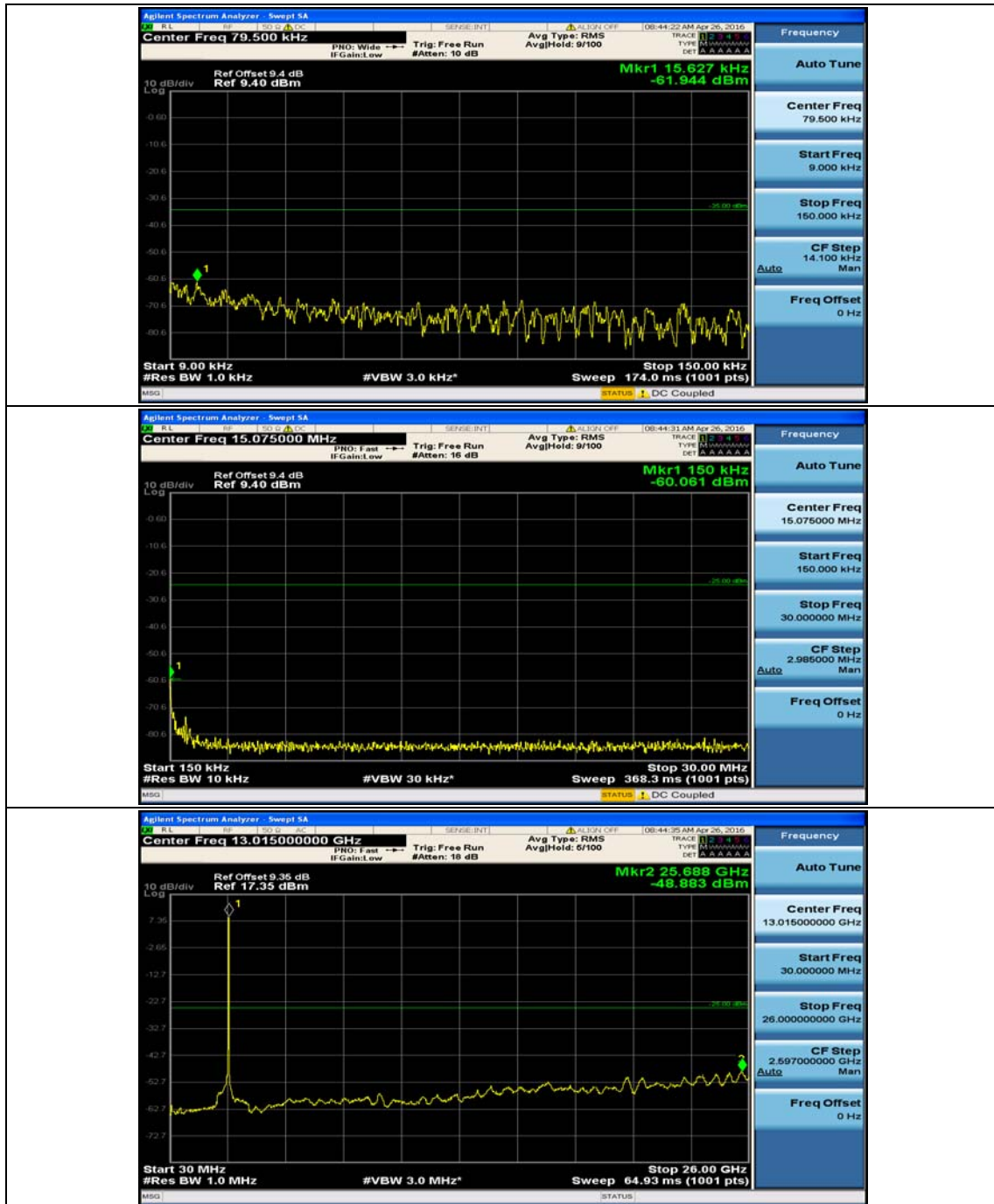


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



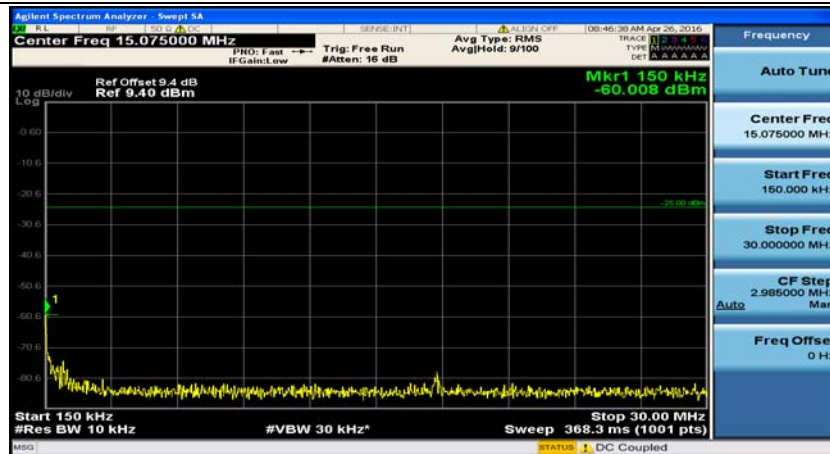
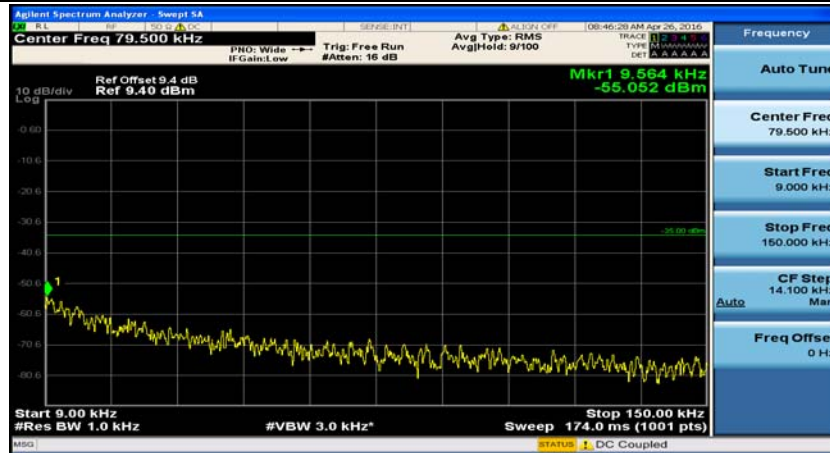
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37



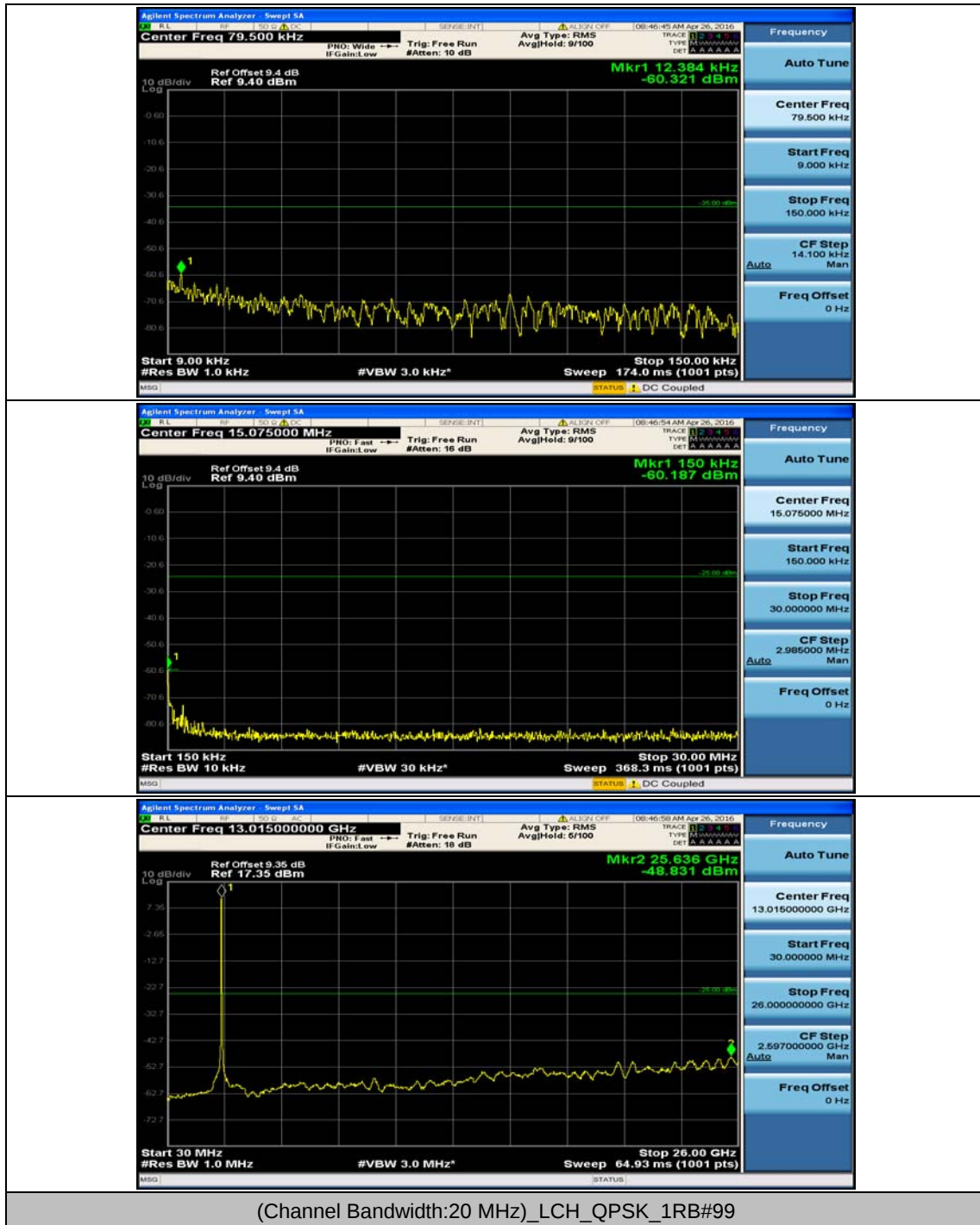


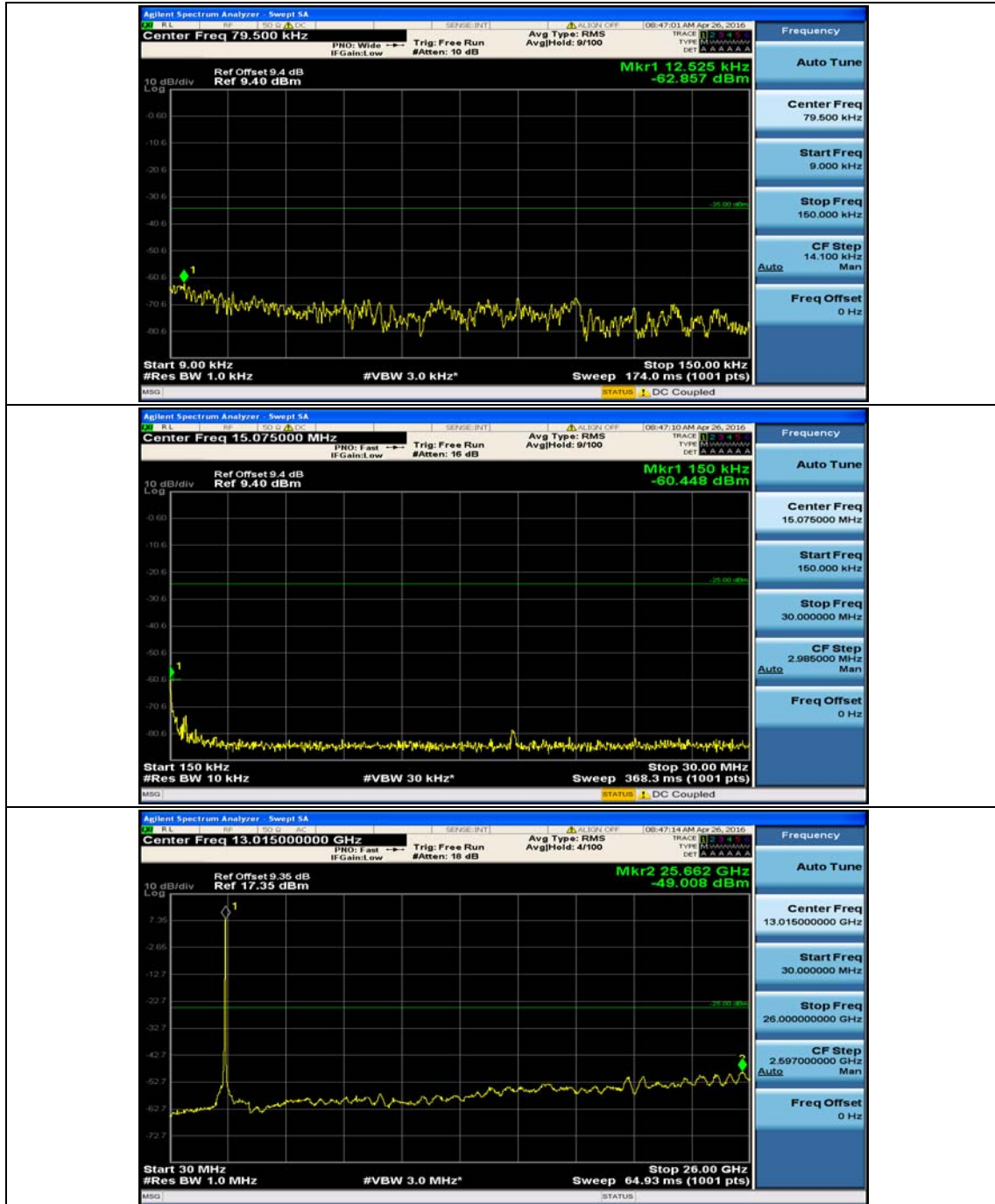
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

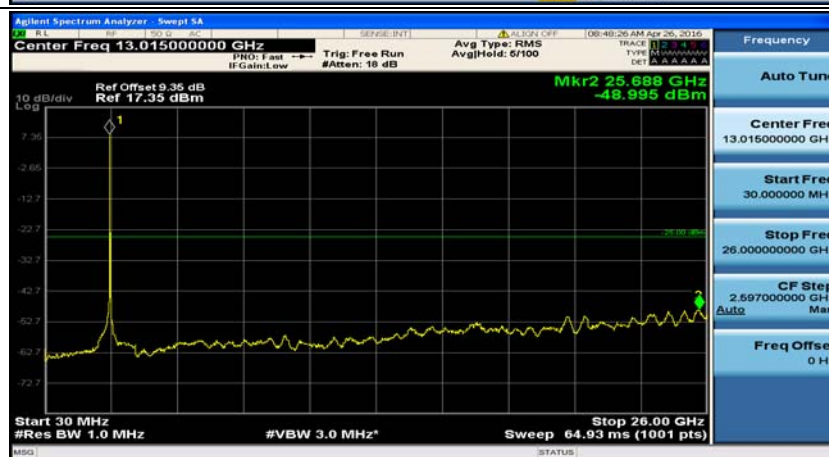
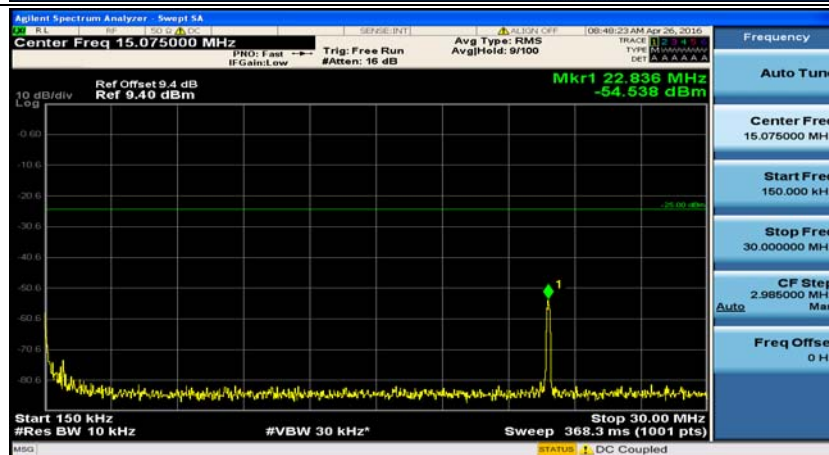
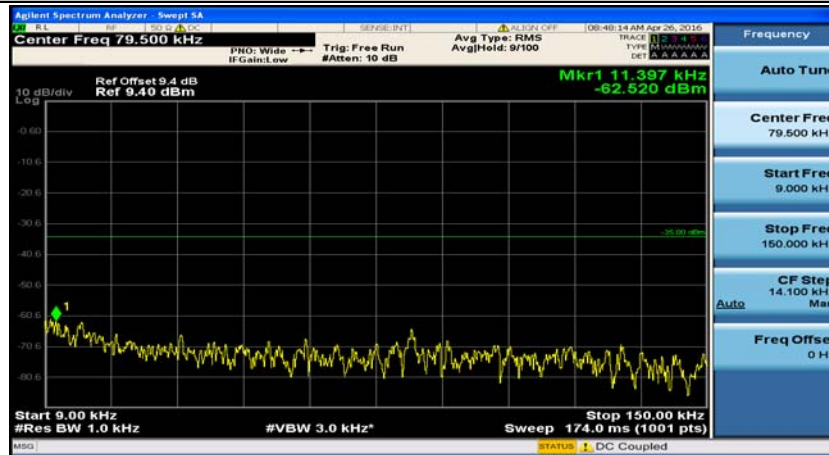


(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49

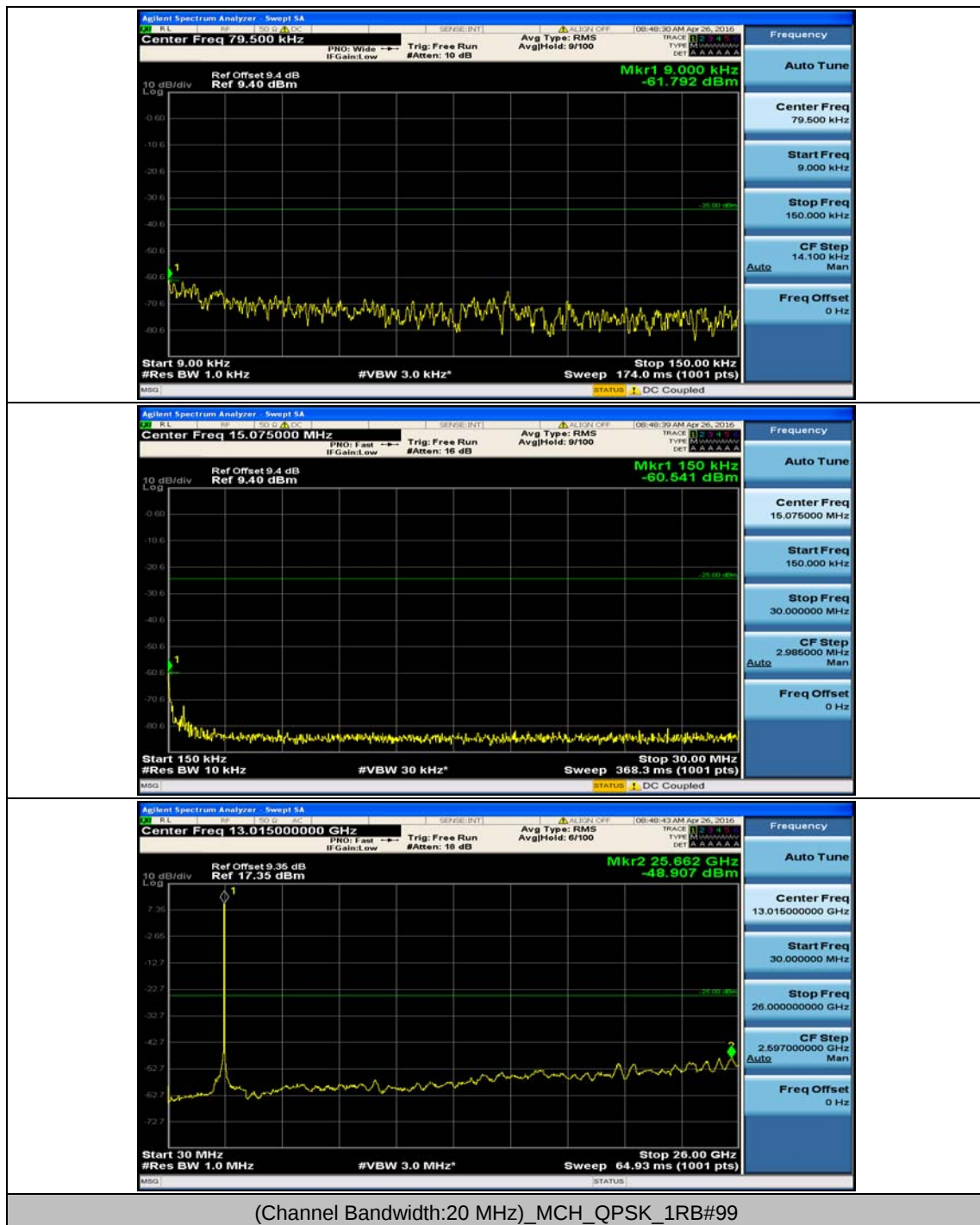


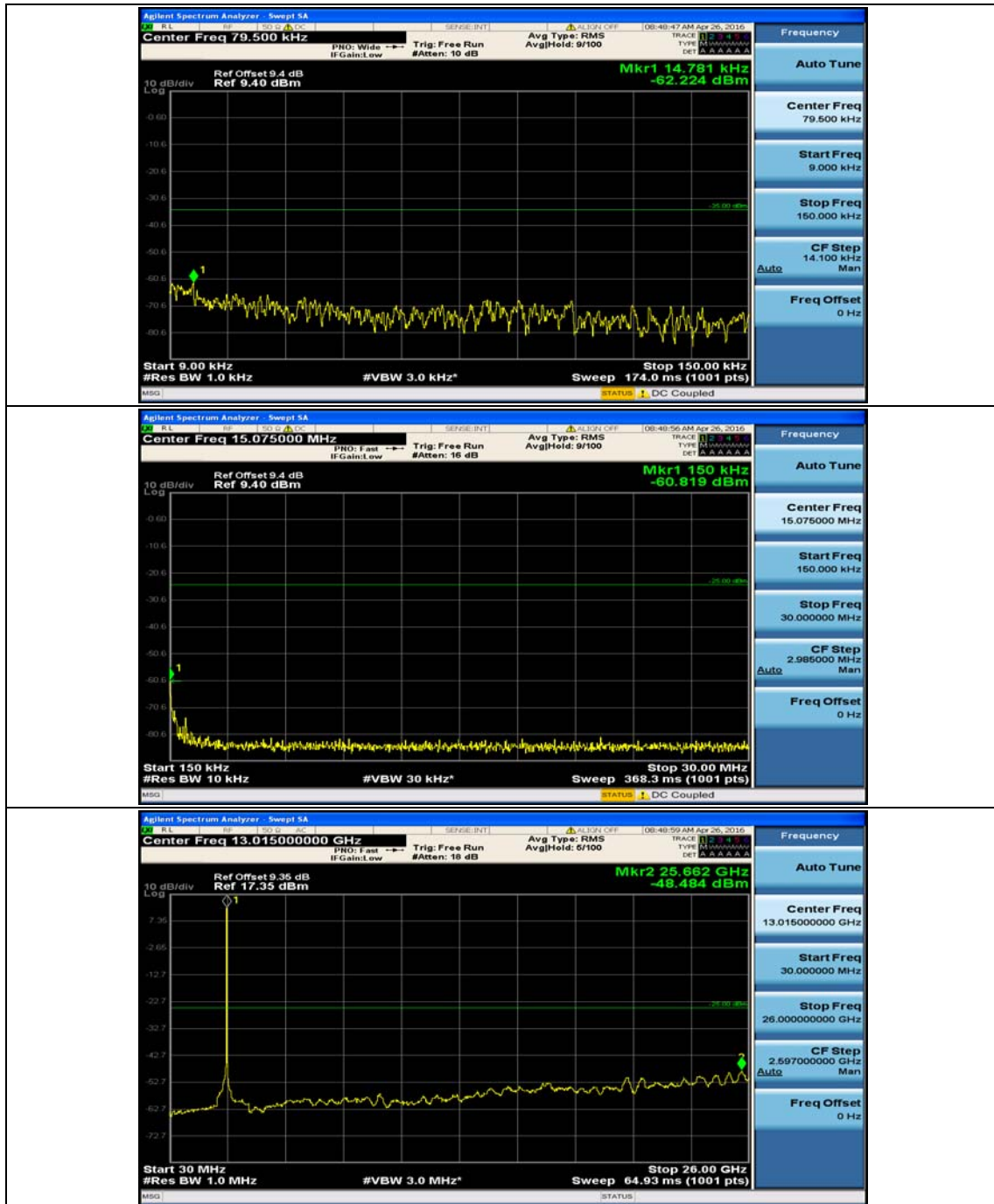


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

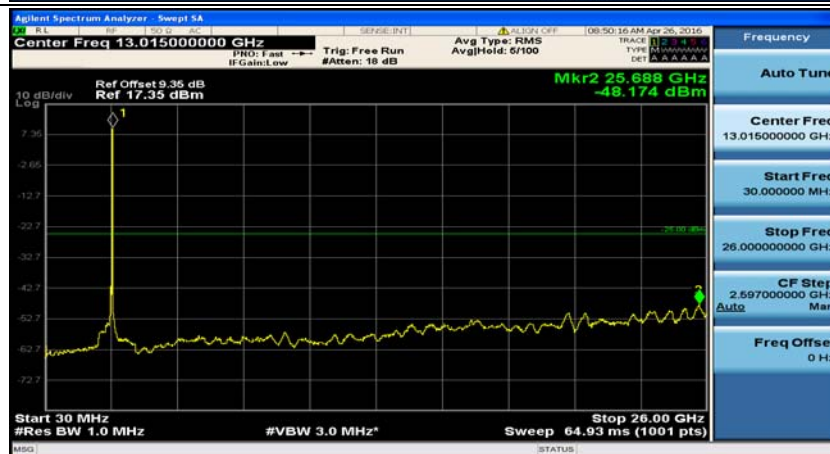
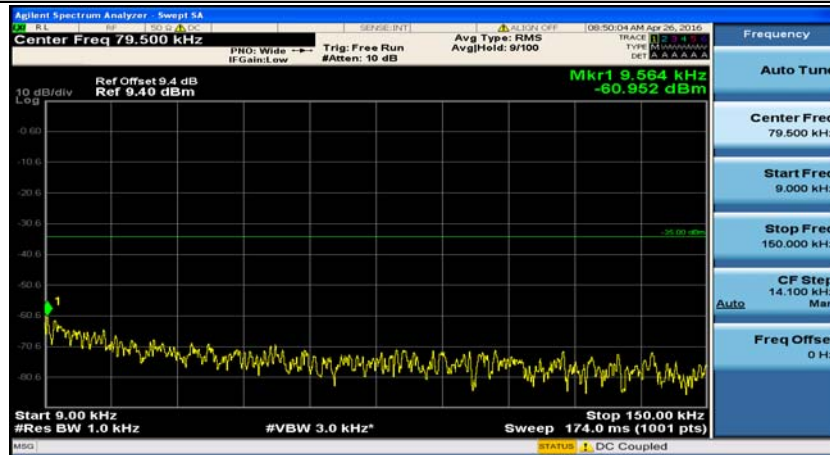


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

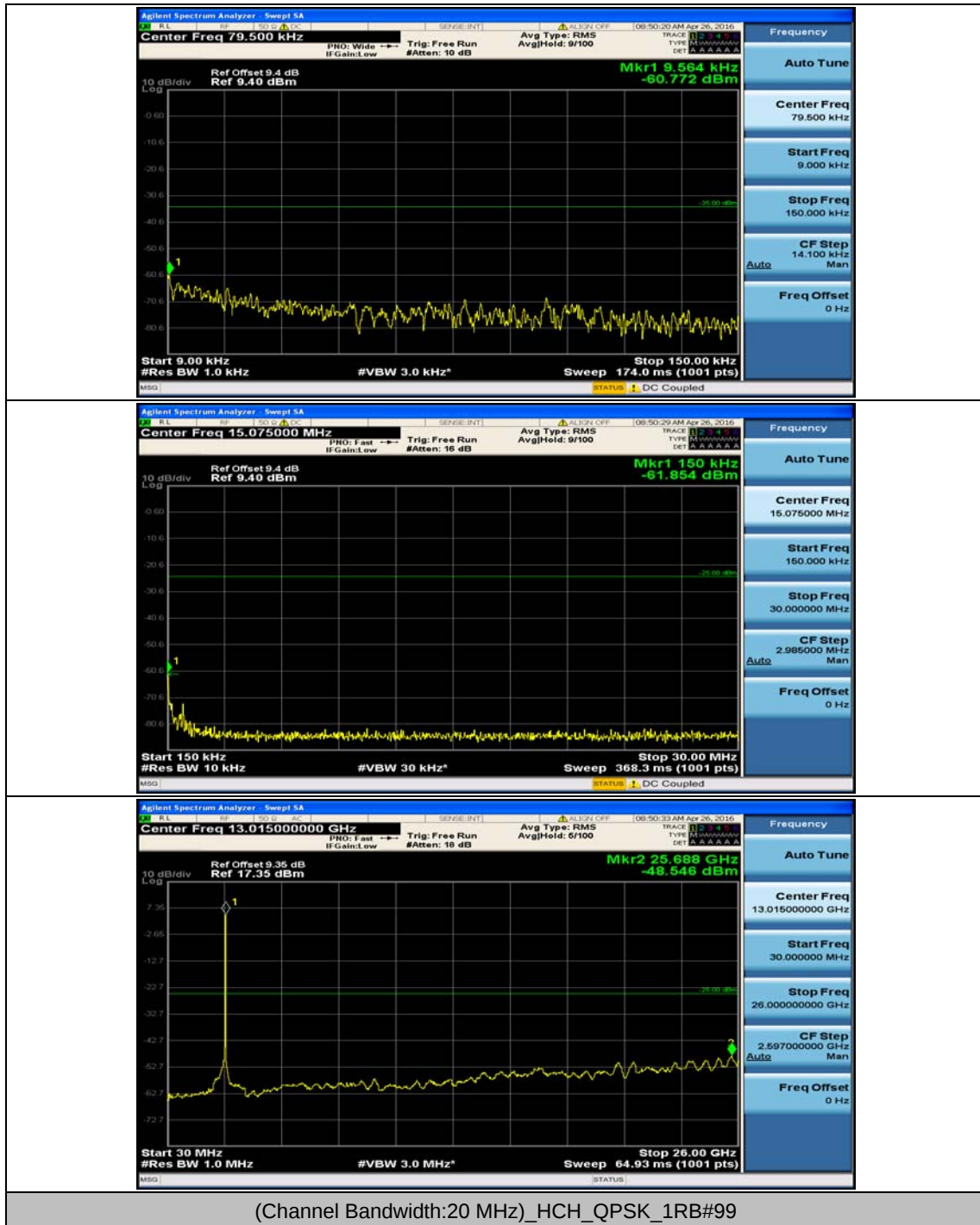


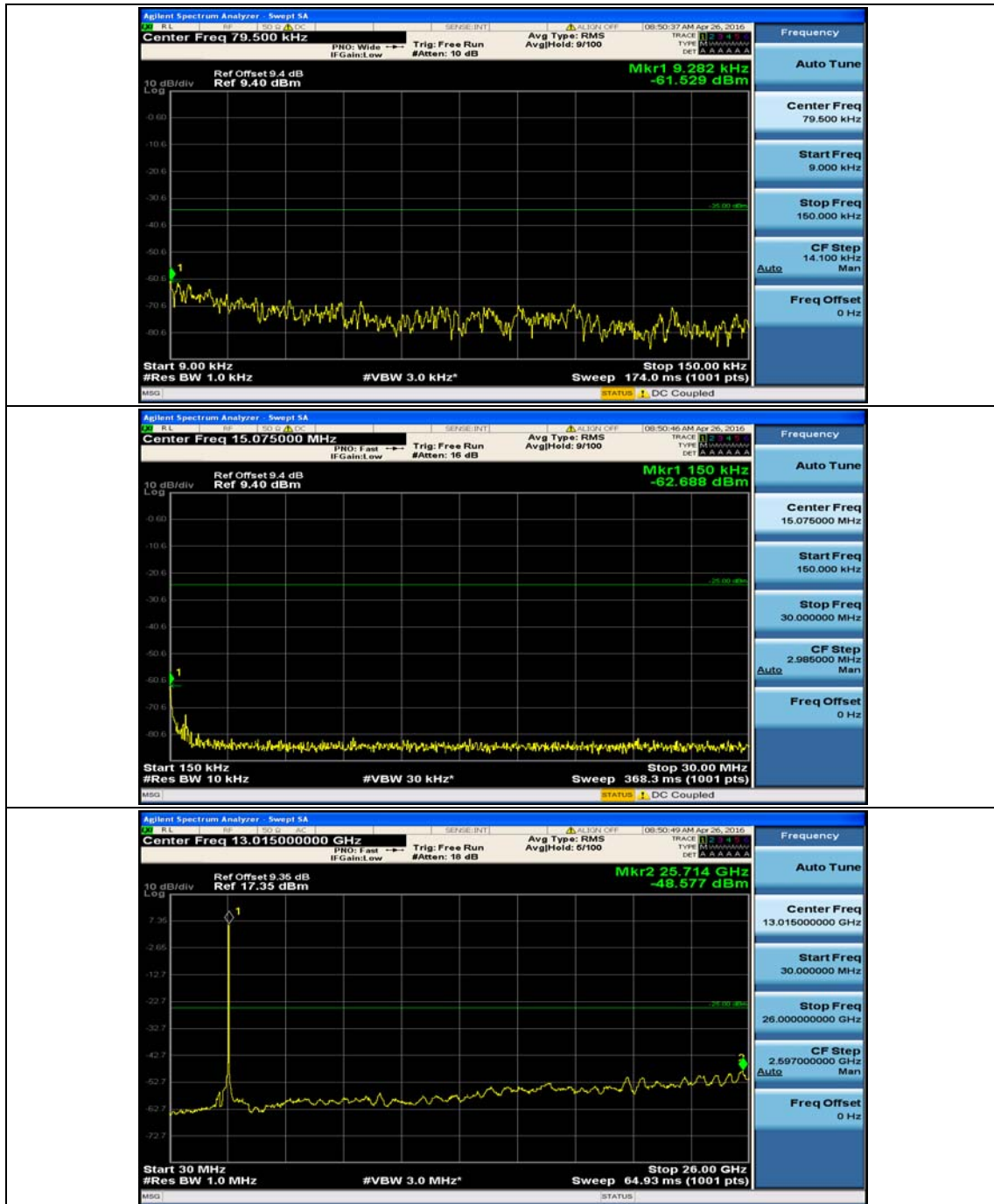


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

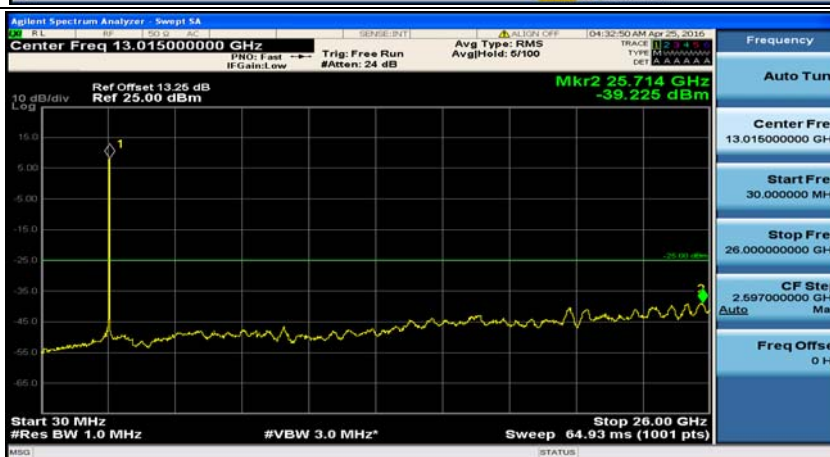
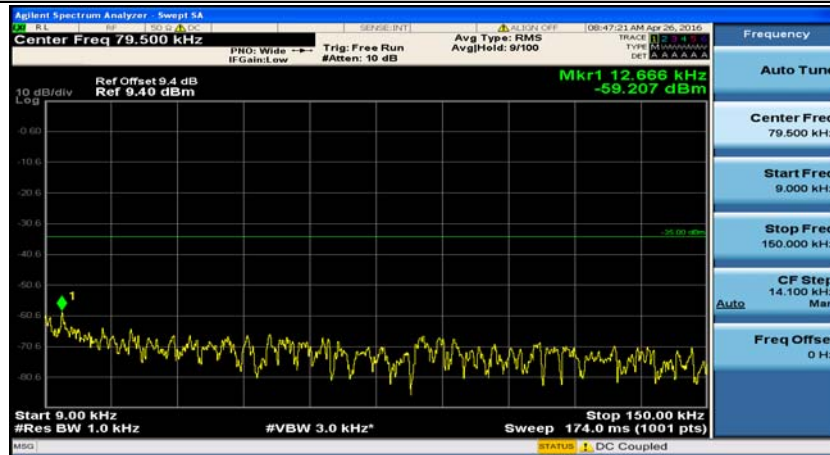


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

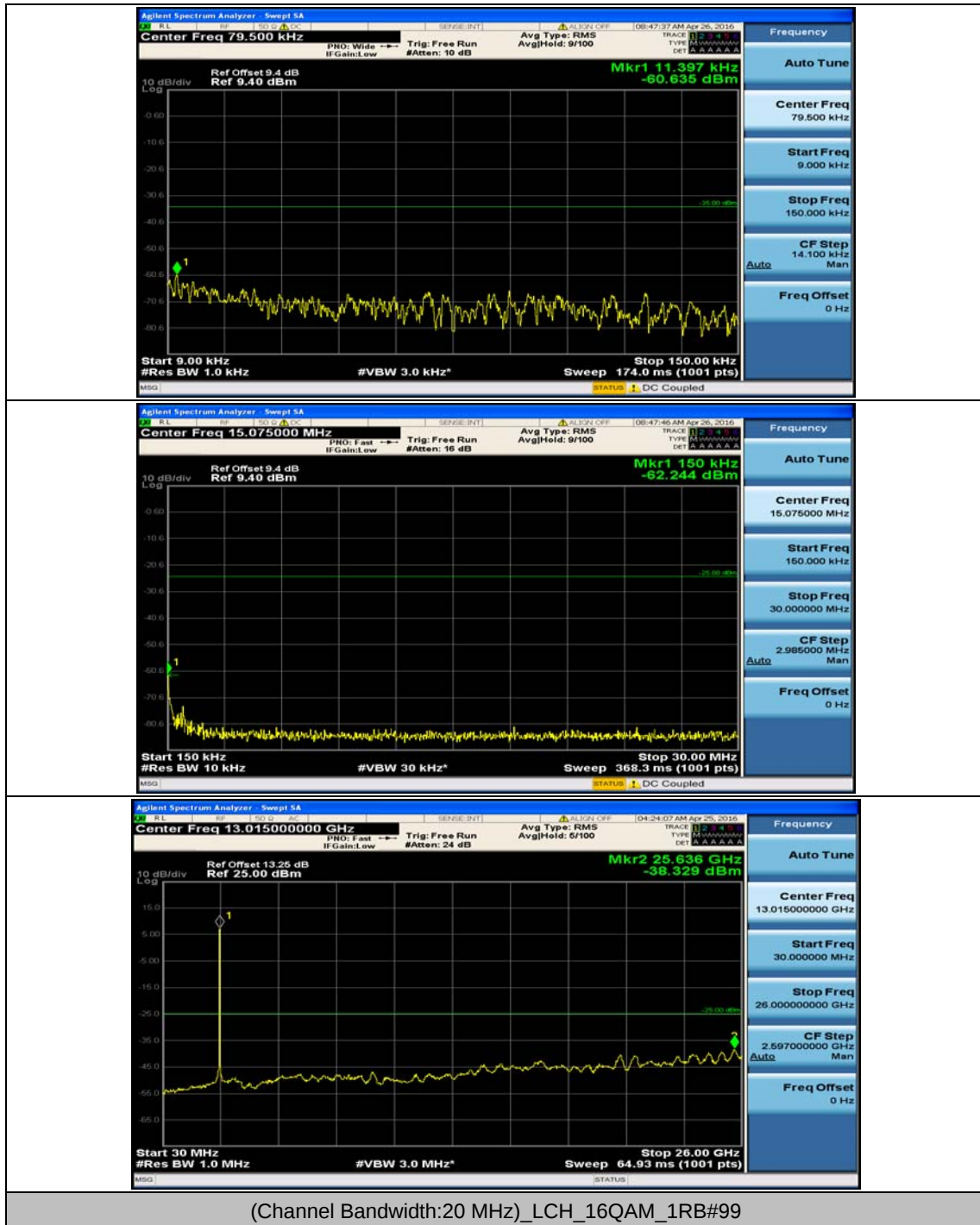


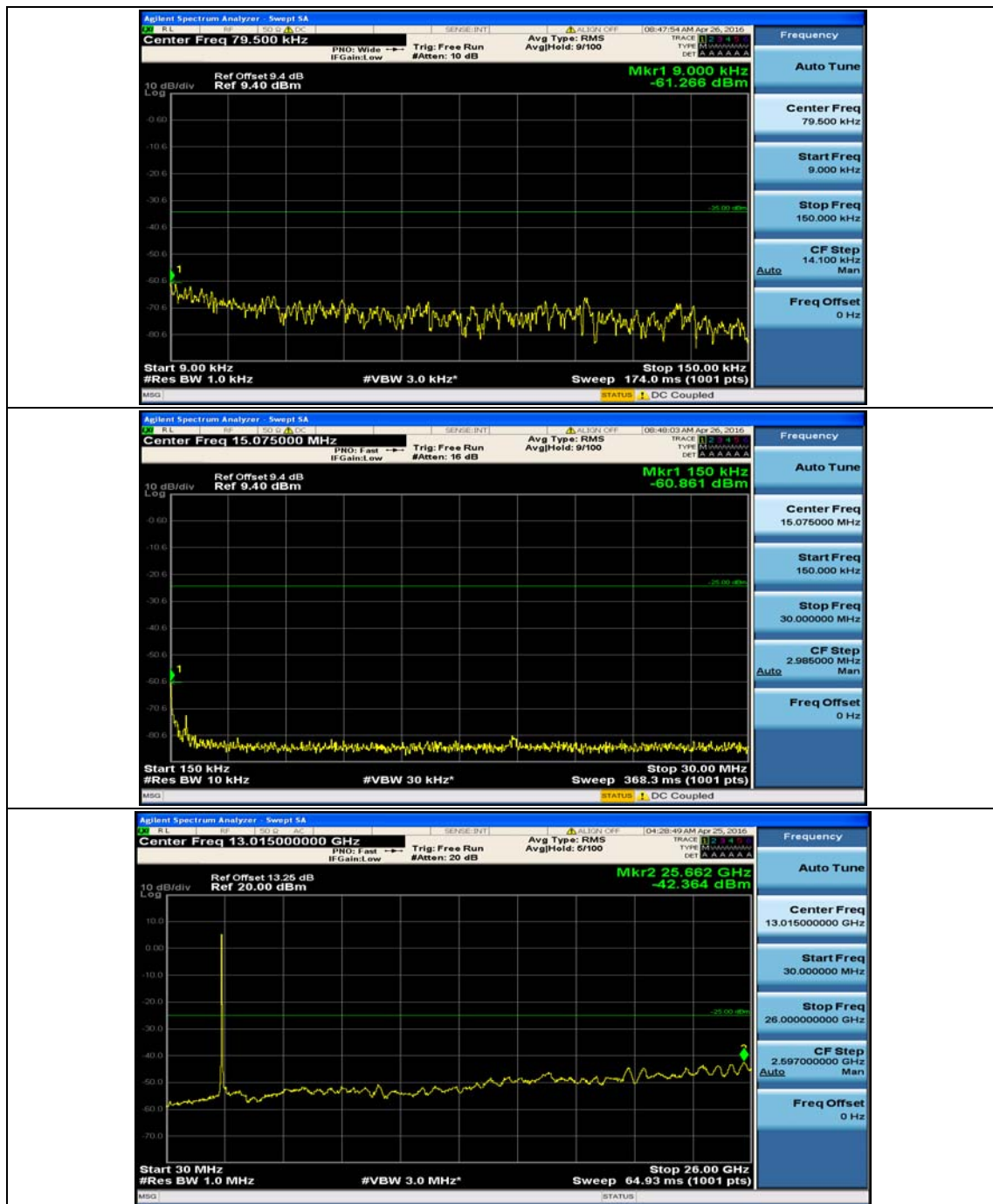


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

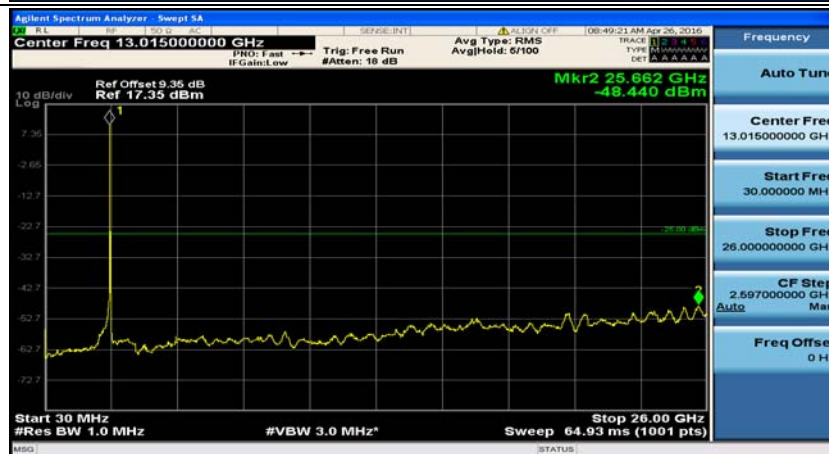
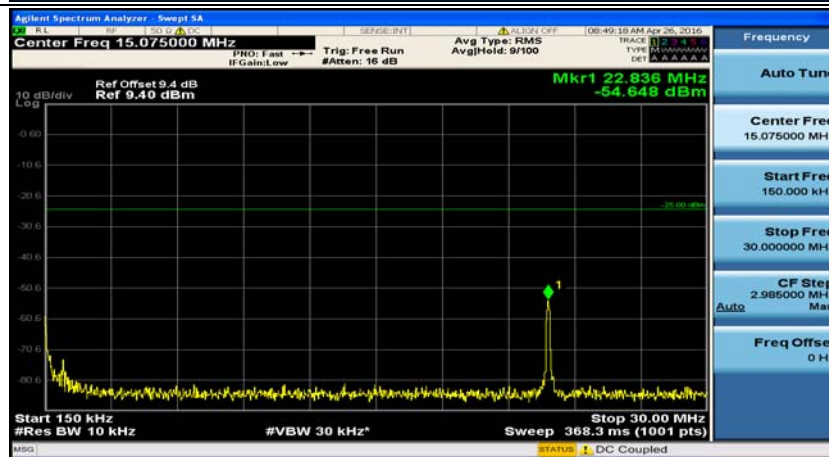
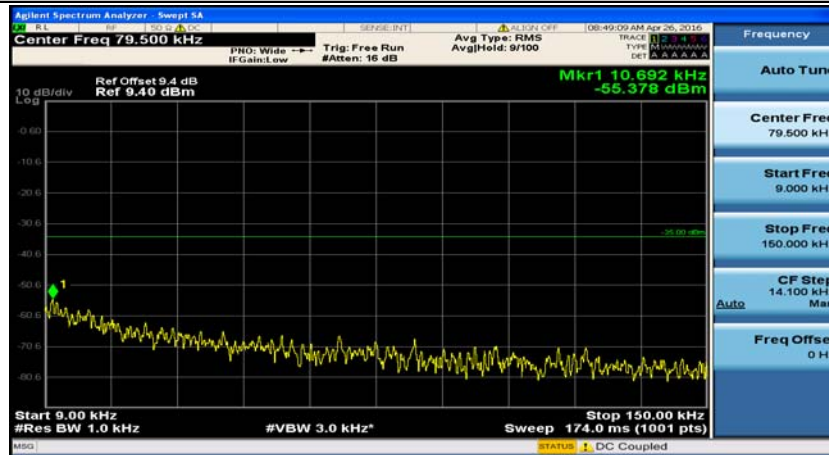


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

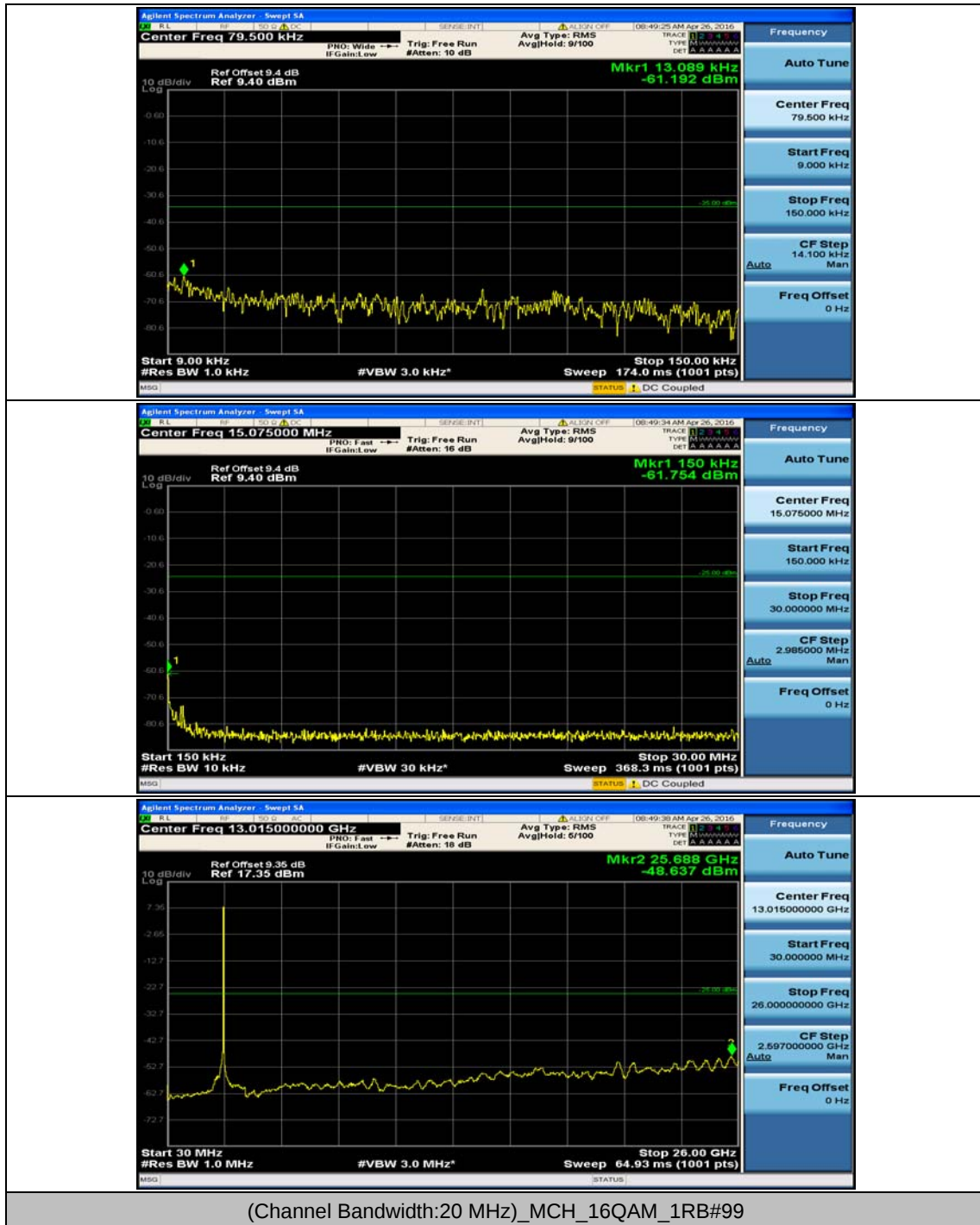


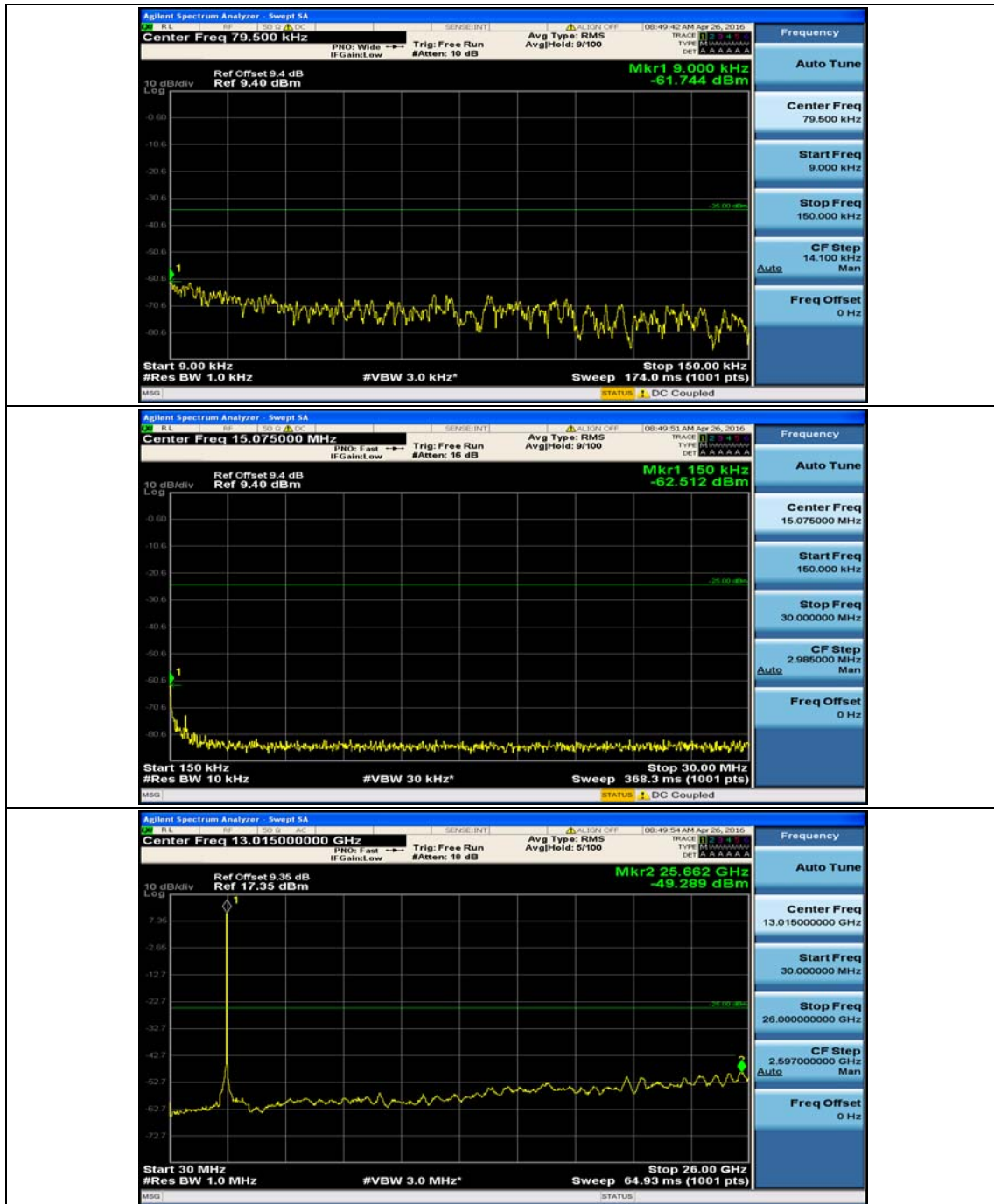


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

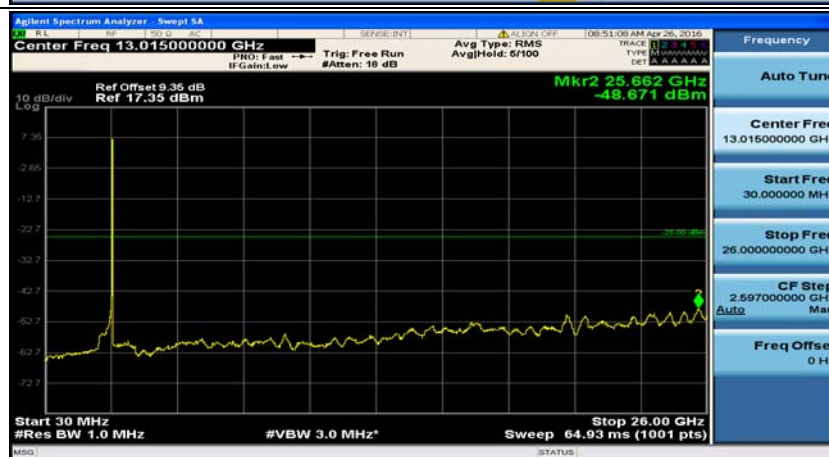
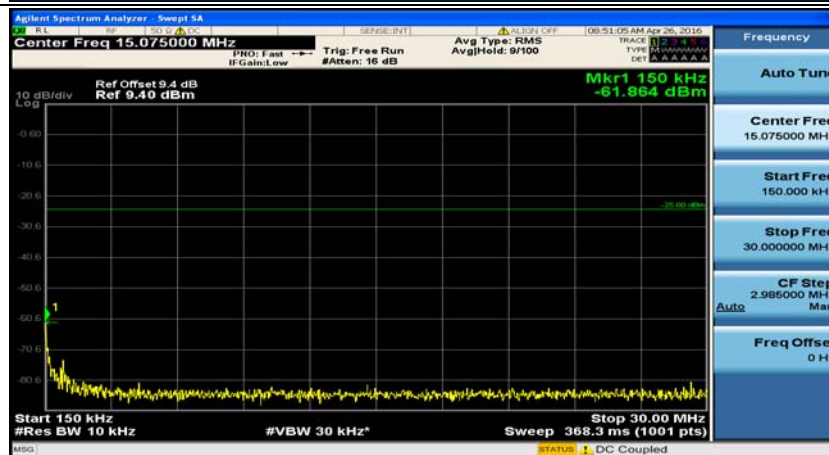
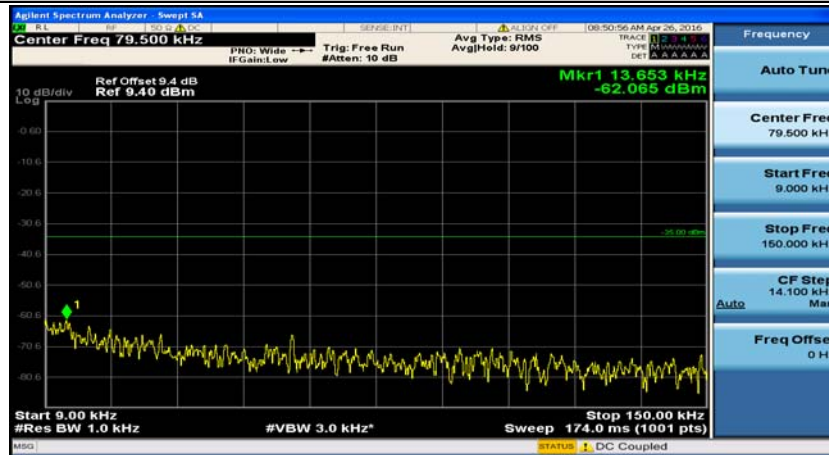


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

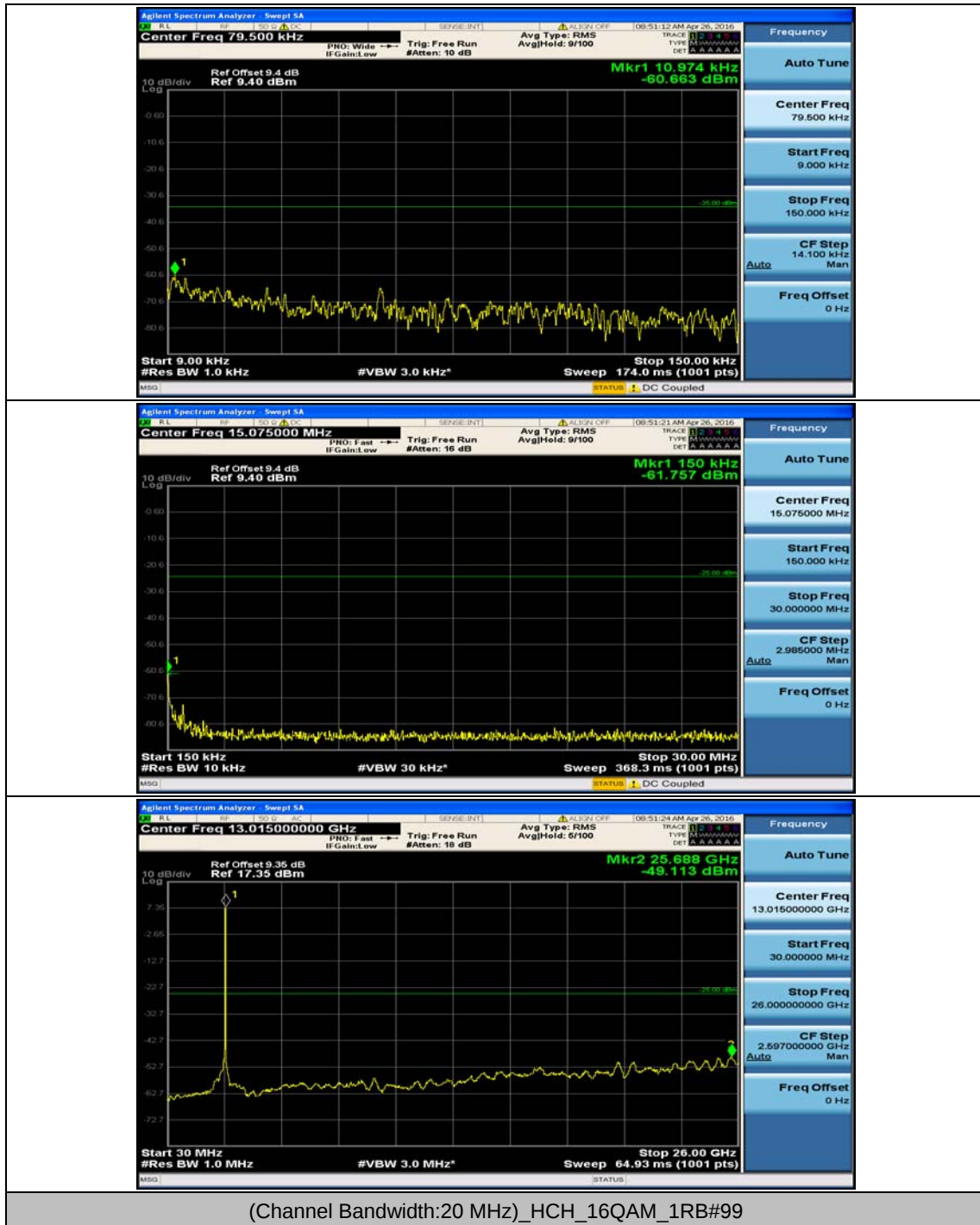


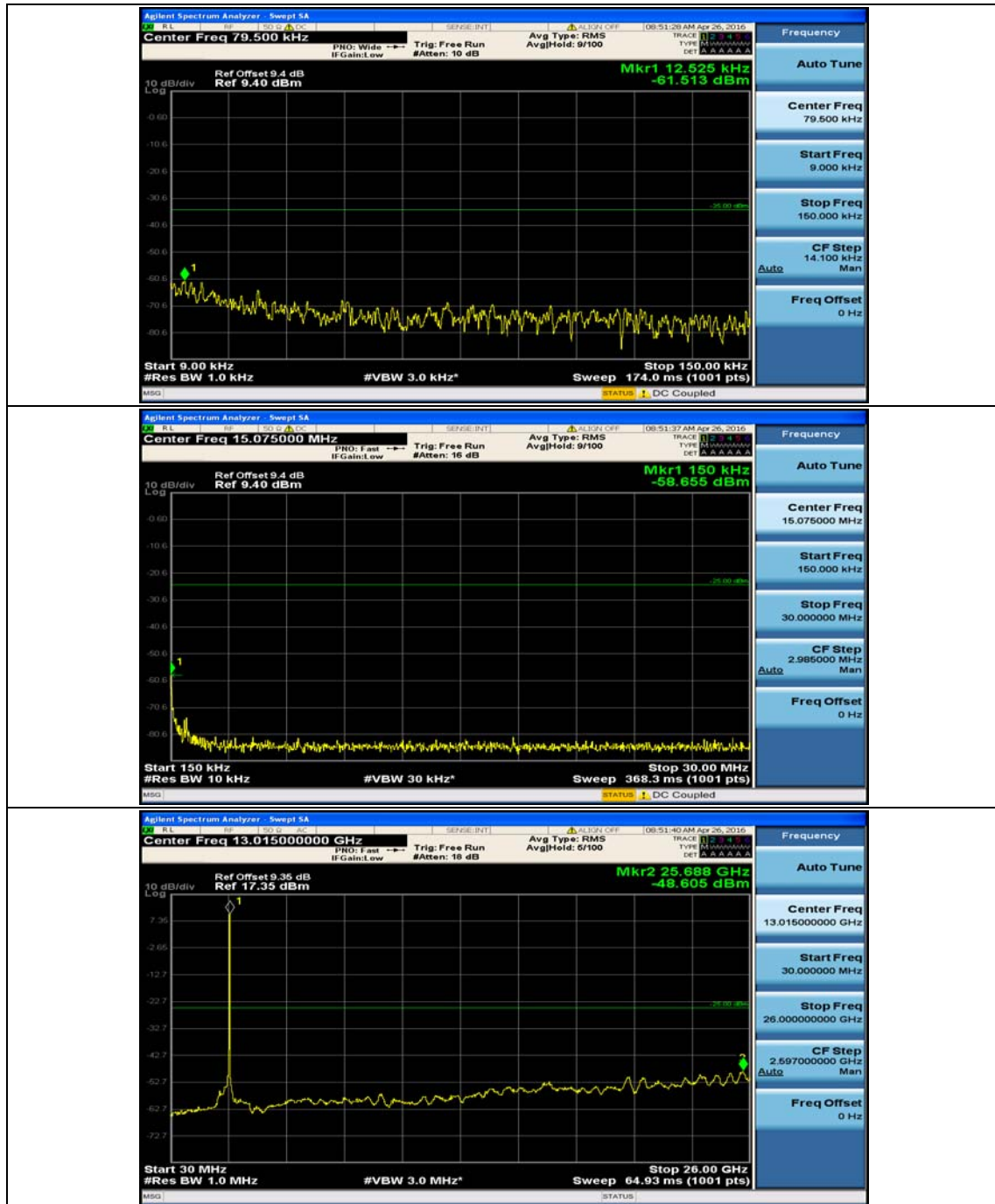


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





Appendix 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	0.09	0.000036	± 2.5	PASS
		VN	TN	0.02	0.000008	± 2.5	PASS
		VH	TN	3.86	0.001545	± 2.5	PASS
	MCH	VL	TN	-1.75	-0.000675	± 2.5	PASS
		VN	TN	0.97	0.000374	± 2.5	PASS
		VH	TN	1.33	0.000513	± 2.5	PASS
	HCH	VL	TN	-1.38	-0.000513	± 2.5	PASS
		VN	TN	-0.48	-0.000179	± 2.5	PASS
		VH	TN	2.48	0.000923	± 2.5	PASS
16QAM	LCH	VL	TN	-0.32	-0.000128	± 2.5	PASS
		VN	TN	3.2	0.001281	± 2.5	PASS
		VH	TN	2.84	0.001137	± 2.5	PASS
	MCH	VL	TN	2.74	0.001057	± 2.5	PASS
		VN	TN	3.48	0.001342	± 2.5	PASS
		VH	TN	1.49	0.000575	± 2.5	PASS
	HCH	VL	TN	2.67	0.000993	± 2.5	PASS
		VN	TN	0.38	0.000141	± 2.5	PASS
		VH	TN	-1.35	-0.000502	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-40	0.83	0.000332	± 2.5	PASS
		VN	-30	0.2	0.000080	± 2.5	PASS
		VN	-20	-0.5	-0.000200	± 2.5	PASS
		VN	-10	0.59	0.000236	± 2.5	PASS
		VN	0	1.94	0.000776	± 2.5	PASS
		VN	10	2.95	0.001181	± 2.5	PASS
		VN	20	-1.94	-0.000776	± 2.5	PASS
		VN	30	0.83	0.000332	± 2.5	PASS
		VN	40	2.35	0.000941	± 2.5	PASS
		VN	50	-1.22	-0.000488	± 2.5	PASS
		VN	55	-0.5	-0.000200	± 2.5	PASS
	MCH	VN	-40	0.02	0.000008	± 2.5	PASS

		VN	-30	1.89	0.000729	± 2.5	PASS
		VN	-20	3.1	0.001196	± 2.5	PASS
		VN	-10	0.08	0.000031	± 2.5	PASS
		VN	0	0.4	0.000154	± 2.5	PASS
		VN	10	4.6	0.001774	± 2.5	PASS
		VN	20	0.02	0.000008	± 2.5	PASS
		VN	30	1.74	0.000671	± 2.5	PASS
		VN	40	1.86	0.000717	± 2.5	PASS
		VN	50	2.21	0.000852	± 2.5	PASS
		VN	55	0.08	0.000031	± 2.5	PASS
	HCH	VN	-40	0.65	0.000242	± 2.5	PASS
		VN	-30	0.22	0.000082	± 2.5	PASS
		VN	-20	2.7	0.001005	± 2.5	PASS
		VN	-10	2.53	0.000941	± 2.5	PASS
		VN	0	4.57	0.001700	± 2.5	PASS
		VN	10	-0.76	-0.000283	± 2.5	PASS
		VN	20	0.65	0.000242	± 2.5	PASS
		VN	30	2.96	0.001101	± 2.5	PASS
		VN	40	-1.28	-0.000476	± 2.5	PASS
		VN	50	3.61	0.001343	± 2.5	PASS
		VN	55	0.22	0.000082	± 2.5	PASS
16QAM	LCH	VN	-40	-0.2	-0.000080	± 2.5	PASS
		VN	-30	2.59	0.001037	± 2.5	PASS
		VN	-20	3.04	0.001217	± 2.5	PASS
		VN	-10	-0.2	-0.000080	± 2.5	PASS
		VN	0	-1.51	-0.000604	± 2.5	PASS
		VN	10	4.88	0.001953	± 2.5	PASS
		VN	20	-0.54	-0.000216	± 2.5	PASS
		VN	30	3.72	0.001489	± 2.5	PASS
		VN	40	-1.28	-0.000512	± 2.5	PASS
		VN	50	3.93	0.001573	± 2.5	PASS
		VN	55	-1.51	-0.000604	± 2.5	PASS
	MCH	VN	-40	0.42	0.000162	± 2.5	PASS
		VN	-30	4.21	0.001624	± 2.5	PASS
		VN	-20	2.28	0.000879	± 2.5	PASS
		VN	-10	1.57	0.000605	± 2.5	PASS
		VN	0	0.42	0.000162	± 2.5	PASS
		VN	10	0.69	0.000266	± 2.5	PASS
		VN	20	4.13	0.001593	± 2.5	PASS
		VN	30	-1.38	-0.000532	± 2.5	PASS
		VN	40	4.42	0.001705	± 2.5	PASS

		VN	50	-0.23	-0.000089	± 2.5	PASS
		VN	55	-0.23	-0.000089	± 2.5	PASS
	HCH	VN	-40	-0.12	-0.000045	± 2.5	PASS
		VN	-30	3.5	0.001302	± 2.5	PASS
		VN	-20	3.53	0.001313	± 2.5	PASS
		VN	-10	-0.12	-0.000045	± 2.5	PASS
		VN	0	0.39	0.000145	± 2.5	PASS
		VN	10	-0.62	-0.000231	± 2.5	PASS
		VN	20	-1.63	-0.000607	± 2.5	PASS
		VN	30	2.99	0.001113	± 2.5	PASS
		VN	40	-0.45	-0.000167	± 2.5	PASS
		VN	50	-11.63	-0.004327	± 2.5	PASS
		VN	55	0.39	0.000145	± 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	3.96	0.001583	± 2.5	PASS
		VN	TN	2.71	0.001084	± 2.5	PASS
		VH	TN	1.95	0.000780	± 2.5	PASS
	MCH	VL	TN	-0.77	-0.000297	± 2.5	PASS
		VN	TN	4.58	0.001766	± 2.5	PASS
		VH	TN	2.87	0.001107	± 2.5	PASS
	HCH	VL	TN	0.03	0.000011	± 2.5	PASS
		VN	TN	3.94	0.001467	± 2.5	PASS
		VH	TN	0.44	0.000164	± 2.5	PASS
16QAM	LCH	VL	TN	4.84	0.001935	± 2.5	PASS
		VN	TN	-1.83	-0.000732	± 2.5	PASS
		VH	TN	2.65	0.001060	± 2.5	PASS
	MCH	VL	TN	3.72	0.001435	± 2.5	PASS
		VN	TN	1.8	0.000694	± 2.5	PASS
		VH	TN	-1.69	-0.000652	± 2.5	PASS
	HCH	VL	TN	2.24	0.000834	± 2.5	PASS
		VN	TN	0.37	0.000138	± 2.5	PASS
		VH	TN	1.42	0.000529	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-40	0.36	0.000144	± 2.5	PASS

		VN	-30	3.12	0.001248	± 2.5	PASS
		VN	-20	1.73	0.000692	± 2.5	PASS
		VN	-10	0.36	0.000144	± 2.5	PASS
		VN	0	2.46	0.000984	± 2.5	PASS
		VN	10	-0.81	-0.000324	± 2.5	PASS
		VN	20	-1.61	-0.000644	± 2.5	PASS
		VN	30	-0.13	-0.000052	± 2.5	PASS
		VN	40	-0.95	-0.000380	± 2.5	PASS
		VN	50	-0.62	-0.000248	± 2.5	PASS
		VN	55	-0.62	-0.000248	± 2.5	PASS
	MCH	VN	-40	0.78	0.000301	± 2.5	PASS
		VN	-30	3.55	0.001369	± 2.5	PASS
		VN	-20	4.02	0.001550	± 2.5	PASS
		VN	-10	3.92	0.001512	± 2.5	PASS
		VN	0	0.78	0.000301	± 2.5	PASS
		VN	10	4.70	0.001813	± 2.5	PASS
		VN	20	4.29	0.001654	± 2.5	PASS
		VN	30	4.4	0.001697	± 2.5	PASS
		VN	40	3.77	0.001454	± 2.5	PASS
		VN	50	2.45	0.000945	± 2.5	PASS
		VN	55	3.92	0.001512	± 2.5	PASS
	HCH	VN	-40	-1.07	-0.000399	± 2.5	PASS
		VN	-30	1.09	0.000406	± 2.5	PASS
		VN	-20	4.94	0.001840	± 2.5	PASS
		VN	-10	2.49	0.000927	± 2.5	PASS
		VN	0	4.87	0.001814	± 2.5	PASS
		VN	10	-1.07	-0.000399	± 2.5	PASS
		VN	20	-1.57	-0.000585	± 2.5	PASS
		VN	30	2.1	0.000782	± 2.5	PASS
		VN	40	-1.28	-0.000477	± 2.5	PASS
		VN	50	-0.49	-0.000182	± 2.5	PASS
		VN	55	-0.49	-0.000182	± 2.5	PASS
QPSK	LCH	VN	-40	-0.45	-0.000180	± 2.5	PASS
		VN	-30	3.86	0.001543	± 2.5	PASS
		VN	-20	2.55	0.001020	± 2.5	PASS
		VN	-10	-0.45	-0.000180	± 2.5	PASS
		VN	0	1.81	0.000724	± 2.5	PASS
		VN	10	3.74	0.001495	± 2.5	PASS
		VN	20	-0.19	-0.000076	± 2.5	PASS
		VN	30	0.82	0.000328	± 2.5	PASS
		VN	40	0.07	0.000028	± 2.5	PASS

		VN	50	4.33	0.001731	± 2.5	
		VN	55	0.07	0.000028	± 2.5	PASS
	MCH	VN	-40	1.05	0.000405	± 2.5	PASS
		VN	-30	1.05	0.000405	± 2.5	PASS
		VN	-20	3.37	0.001300	± 2.5	PASS
		VN	-10	3.22	0.001242	± 2.5	PASS
		VN	0	1.92	0.000740	± 2.5	PASS
		VN	10	-0.31	-0.000120	± 2.5	PASS
		VN	20	3.21	0.001238	± 2.5	PASS
		VN	30	4.94	0.001905	± 2.5	PASS
		VN	40	-1.01	-0.000390	± 2.5	PASS
		VN	50	3.68	0.001419	± 2.5	PASS
		VN	55	-0.31	-0.000120	± 2.5	PASS
	HCH	VN	-40	4.79	0.001784	± 2.5	PASS
		VN	-30	4.79	0.001784	± 2.5	PASS
		VN	-20	0.94	0.000350	± 2.5	PASS
		VN	-10	4.01	0.001493	± 2.5	PASS
		VN	0	1.55	0.000577	± 2.5	PASS
		VN	10	4.38	0.001631	± 2.5	PASS
		VN	20	1.4	0.000521	± 2.5	PASS
		VN	30	-0.81	-0.000302	± 2.5	PASS
		VN	40	-1.99	-0.000741	± 2.5	PASS
		VN	50	-11.63	-0.004331	± 2.5	PASS
		VN	55	-0.81	-0.000302	± 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	2.24	0.000895	± 2.5	PASS
		VN	TN	0.33	0.000132	± 2.5	PASS
		VH	TN	-0.38	-0.000152	± 2.5	PASS
	MCH	VL	TN	4.55	0.001755	± 2.5	PASS
		VN	TN	3.17	0.001223	± 2.5	PASS
		VH	TN	-0.13	-0.000050	± 2.5	PASS
	HCH	VL	TN	2.53	0.000943	± 2.5	PASS
		VN	TN	3.78	0.001409	± 2.5	PASS
		VH	TN	0.95	0.000354	± 2.5	PASS
16QAM	LCH	VL	TN	1.89	0.000755	± 2.5	PASS
		VN	TN	-0.15	-0.000060	± 2.5	PASS

	MCH	VH	TN	-0.58	-0.000232	± 2.5	PASS
		VL	TN	3.96	0.001527	± 2.5	PASS
		VN	TN	1.45	0.000559	± 2.5	PASS
		VH	TN	0.51	0.000197	± 2.5	PASS
	HCH	VL	TN	-0.07	-0.000026	± 2.5	PASS
		VN	TN	4.39	0.001637	± 2.5	PASS
		VH	TN	-1.88	-0.000701	± 2.5	PASS
		Temperature					
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-40	0.97	0.000387	± 2.5	PASS
		VN	-30	0.97	0.000387	± 2.5	PASS
		VN	-20	-0.9	-0.000359	± 2.5	PASS
		VN	-10	2.03	0.000811	± 2.5	PASS
		VN	0	2.31	0.000923	± 2.5	PASS
		VN	10	-1.78	-0.000711	± 2.5	PASS
		VN	20	0.37	0.000148	± 2.5	PASS
		VN	30	3.2	0.001278	± 2.5	PASS
		VN	40	0	0.000000	± 2.5	PASS
		VN	50	3.36	0.001342	± 2.5	PASS
		VN	55	0.37	0.000148	± 2.5	PASS
	MCH	VN	-40	0.31	0.000120	± 2.5	PASS
		VN	-30	0.31	0.000120	± 2.5	PASS
		VN	-20	0.79	0.000305	± 2.5	PASS
		VN	-10	0.15	0.000058	± 2.5	PASS
		VN	0	-1.48	-0.000571	± 2.5	PASS
		VN	10	2.75	0.001061	± 2.5	PASS
		VN	20	2.17	0.000837	± 2.5	PASS
		VN	30	3.1	0.001196	± 2.5	PASS
		VN	40	-1.05	-0.000405	± 2.5	PASS
		VN	50	0.9	0.000347	± 2.5	PASS
		VN	55	3.1	0.001196	± 2.5	PASS
	HCH	VN	-40	-1.43	-0.000533	± 2.5	PASS
		VN	-30	-1.43	-0.000533	± 2.5	PASS
		VN	-20	-0.58	-0.000216	± 2.5	PASS
		VN	-10	2.61	0.000973	± 2.5	PASS
		VN	0	3.34	0.001245	± 2.5	PASS
		VN	10	2.99	0.001115	± 2.5	PASS
		VN	20	2.54	0.000947	± 2.5	PASS
		VN	30	2.22	0.000828	± 2.5	PASS
		VN	40	2.44	0.000910	± 2.5	PASS
		VN	50	-1.06	-0.000395	± 2.5	PASS

		VN	55	2.99	0.001115	± 2.5	PASS
QPSK	LCH	VN	-40	-0.48	-0.000192	± 2.5	PASS
		VN	-30	-0.48	-0.000192	± 2.5	PASS
		VN	-20	2.43	0.000971	± 2.5	PASS
		VN	-10	-1.63	-0.000651	± 2.5	PASS
		VN	0	4.35	0.001738	± 2.5	PASS
		VN	10	0.05	0.000020	± 2.5	PASS
		VN	20	0.04	0.000016	± 2.5	PASS
		VN	30	3.71	0.001482	± 2.5	PASS
		VN	40	2.62	0.001047	± 2.5	PASS
		VN	50	2.46	0.000983	± 2.5	PASS
		VN	55	0.04	0.000016	± 2.5	PASS
	MCH	VN	-40	0.03	0.000012	± 2.5	PASS
		VN	-30	4.65	0.001793	± 2.5	PASS
		VN	-20	4.73	0.001824	± 2.5	PASS
		VN	-10	2.59	0.000999	± 2.5	PASS
		VN	0	0.03	0.000012	± 2.5	PASS
		VN	10	3.18	0.001226	± 2.5	PASS
		VN	20	-0.86	-0.000332	± 2.5	PASS
		VN	30	4.84	0.001867	± 2.5	PASS
		VN	40	-0.25	-0.000096	± 2.5	PASS
		VN	50	-0.1	-0.000039	± 2.5	PASS
		VN	55	-0.1	-0.000039	± 2.5	PASS
	HCH	VN	-40	-0.6	-0.000224	± 2.5	PASS
		VN	-30	1.29	0.000481	± 2.5	PASS
		VN	-20	4.19	0.001562	± 2.5	PASS
		VN	-10	2.44	0.000910	± 2.5	PASS
		VN	0	3.07	0.001144	± 2.5	PASS
		VN	10	-1.38	-0.000514	± 2.5	PASS
		VN	20	-0.6	-0.000224	± 2.5	PASS
		VN	30	0.56	0.000209	± 2.5	PASS
		VN	40	3.84	0.001432	± 2.5	PASS
		VN	50	-11.63	-0.004336	± 2.5	PASS
		VN	55	-0.6	-0.000224	± 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	0.64	0.000255	± 2.5	PASS

		VN	TN	0.15	0.000060	± 2.5	PASS
		VH	TN	4.95	0.001975	± 2.5	PASS
	MCH	VL	TN	2.45	0.000945	± 2.5	PASS
		VN	TN	2.31	0.000891	± 2.5	PASS
		VH	TN	2.72	0.001049	± 2.5	PASS
	HCH	VL	TN	-1.5	-0.000560	± 2.5	PASS
		VN	TN	1.33	0.000496	± 2.5	PASS
		VH	TN	-1.94	-0.000724	± 2.5	PASS
16QAM	LCH	VL	TN	1.24	0.000495	± 2.5	PASS
		VN	TN	3.94	0.001572	± 2.5	PASS
		VH	TN	0.72	0.000287	± 2.5	PASS
	MCH	VL	TN	0.11	0.000042	± 2.5	PASS
		VN	TN	-0.9	-0.000347	± 2.5	PASS
		VH	TN	2.39	0.000922	± 2.5	PASS
	HCH	VL	TN	-1.99	-0.000743	± 2.5	PASS
		VN	TN	4.72	0.001761	± 2.5	PASS
		VH	TN	-1.9	-0.000709	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-40	0.82	0.000327	± 2.5	PASS
		VN	-30	3.45	0.001377	± 2.5	PASS
		VN	-20	-0.78	-0.000311	± 2.5	PASS
		VN	-10	0.82	0.000327	± 2.5	PASS
		VN	0	-0.48	-0.000192	± 2.5	PASS
		VN	10	4.28	0.001708	± 2.5	PASS
		VN	20	1.86	0.000742	± 2.5	PASS
		VN	30	1.15	0.000459	± 2.5	PASS
		VN	40	0.6	0.000239	± 2.5	PASS
		VN	50	-0.82	-0.000327	± 2.5	PASS
		VN	55	0.6	0.000239	± 2.5	PASS
	MCH	VN	-40	2.01	0.000775	± 2.5	PASS
		VN	-30	3.69	0.001423	± 2.5	PASS
		VN	-20	-0.27	-0.000104	± 2.5	PASS
		VN	-10	0.72	0.000278	± 2.5	PASS
		VN	0	0.33	0.000127	± 2.5	PASS
		VN	10	2.01	0.000775	± 2.5	PASS
		VN	20	3.22	0.001242	± 2.5	PASS
		VN	30	3.01	0.001161	± 2.5	PASS
		VN	40	3.8	0.001465	± 2.5	PASS
		VN	50	0.94	0.000363	± 2.5	PASS
		VN	55	0.94	0.000363	± 2.5	PASS

	HCH	VN	-40	-0.31	-0.000116	± 2.5	PASS
		VN	-30	0.94	0.000351	± 2.5	PASS
		VN	-20	3.77	0.001407	± 2.5	PASS
		VN	-10	-0.31	-0.000116	± 2.5	PASS
		VN	0	-0.64	-0.000239	± 2.5	PASS
		VN	10	-1.57	-0.000586	± 2.5	PASS
		VN	20	3.96	0.001478	± 2.5	PASS
		VN	30	-1.24	-0.000463	± 2.5	PASS
		VN	40	1.1	0.000410	± 2.5	PASS
		VN	50	3.83	0.001429	± 2.5	PASS
		VN	55	3.83	0.001429	± 2.5	PASS
QPSK	LCH	VN	-40	0.13	0.000052	± 2.5	PASS
		VN	-30	-1.91	-0.000762	± 2.5	PASS
		VN	-20	4.38	0.001748	± 2.5	PASS
		VN	-10	1.81	0.000722	± 2.5	PASS
		VN	0	0.13	0.000052	± 2.5	PASS
		VN	10	-1.29	-0.000515	± 2.5	PASS
		VN	20	4.05	0.001616	± 2.5	PASS
		VN	30	4.12	0.001644	± 2.5	PASS
		VN	40	4.99	0.001991	± 2.5	PASS
		VN	50	1.98	0.000790	± 2.5	PASS
		VN	55	1.98	0.000790	± 2.5	PASS
	MCH	VN	-40	0.31	0.000120	± 2.5	PASS
		VN	-30	4.25	0.001639	± 2.5	PASS
		VN	-20	0.79	0.000305	± 2.5	PASS
		VN	-10	0.31	0.000120	± 2.5	PASS
		VN	0	3.96	0.001527	± 2.5	PASS
		VN	10	-0.73	-0.000282	± 2.5	PASS
		VN	20	2.46	0.000949	± 2.5	PASS
		VN	30	-1.48	-0.000571	± 2.5	PASS
		VN	40	2.44	0.000941	± 2.5	PASS
		VN	50	-0.61	-0.000235	± 2.5	PASS
		VN	55	-0.61	-0.000235	± 2.5	PASS
	HCH	VN	-40	-0.21	-0.000078	± 2.5	PASS
		VN	-30	1.07	0.000399	± 2.5	PASS
		VN	-20	1.98	0.000739	± 2.5	PASS
		VN	-10	3.23	0.001205	± 2.5	PASS
		VN	0	-1.22	-0.000455	± 2.5	PASS
		VN	10	-0.21	-0.000078	± 2.5	PASS
		VN	20	0.09	0.000034	± 2.5	PASS
		VN	30	0.7	0.000261	± 2.5	PASS

		VN	40	4.87	0.001817	± 2.5	PASS
		VN	50	-11.63	-0.004340	± 2.5	PASS
		VN	55	1.07	0.000399	± 2.5	PASS