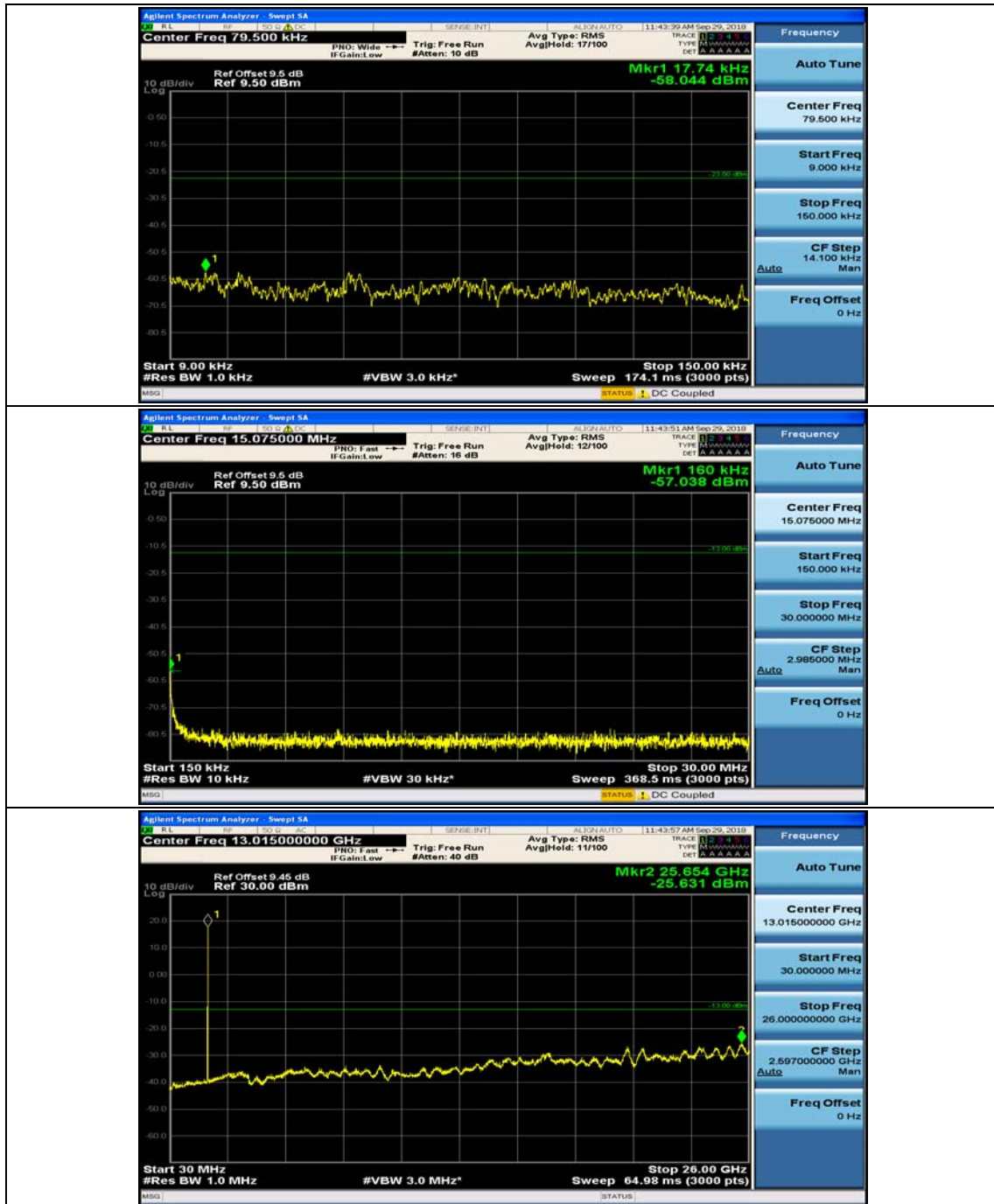
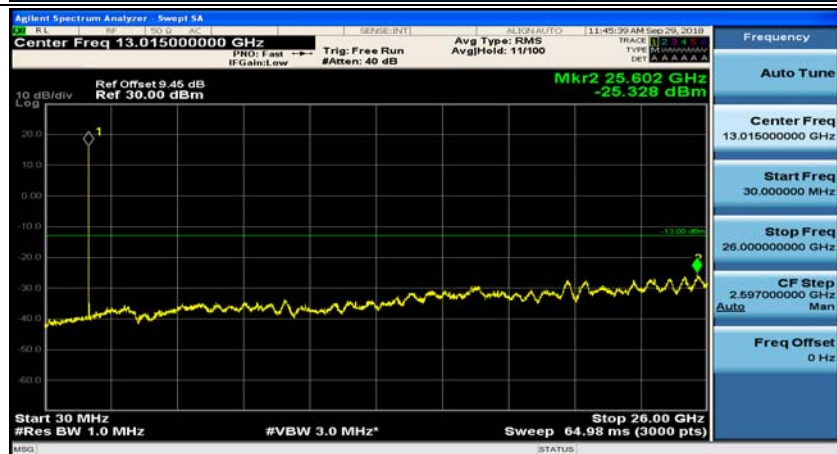
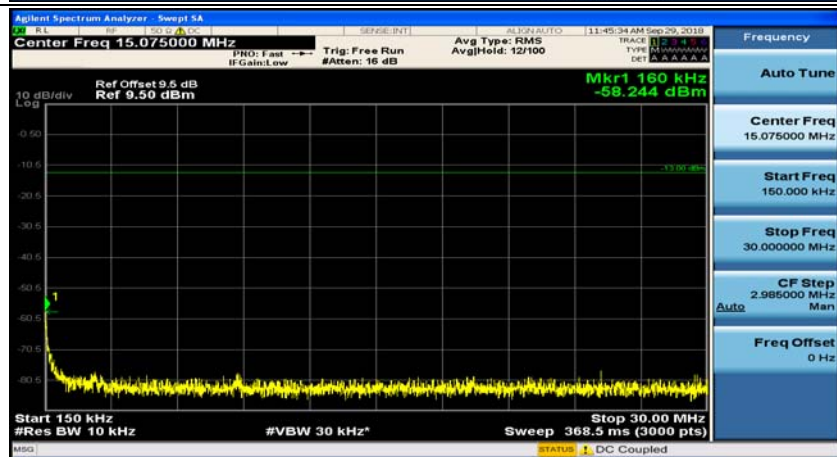
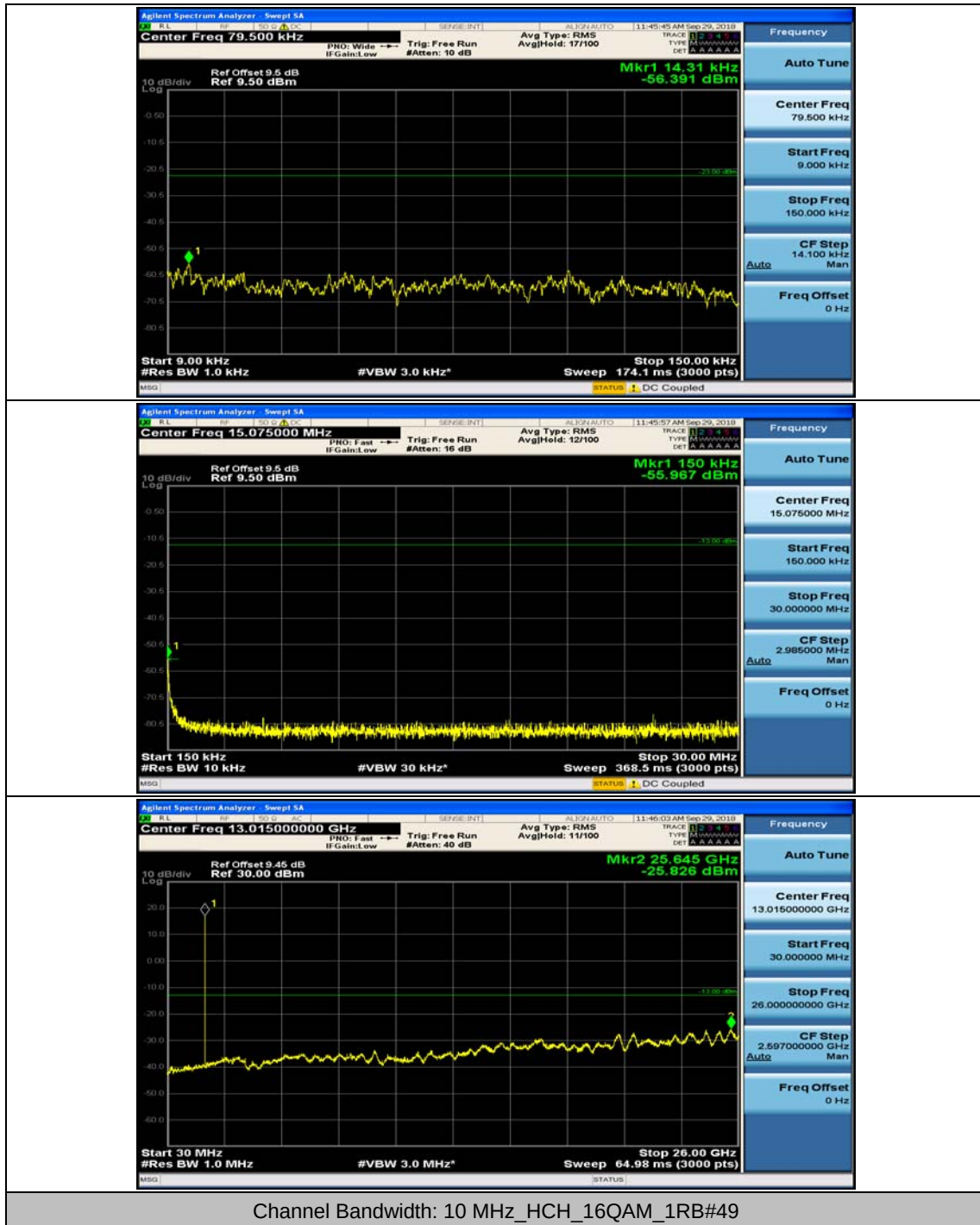


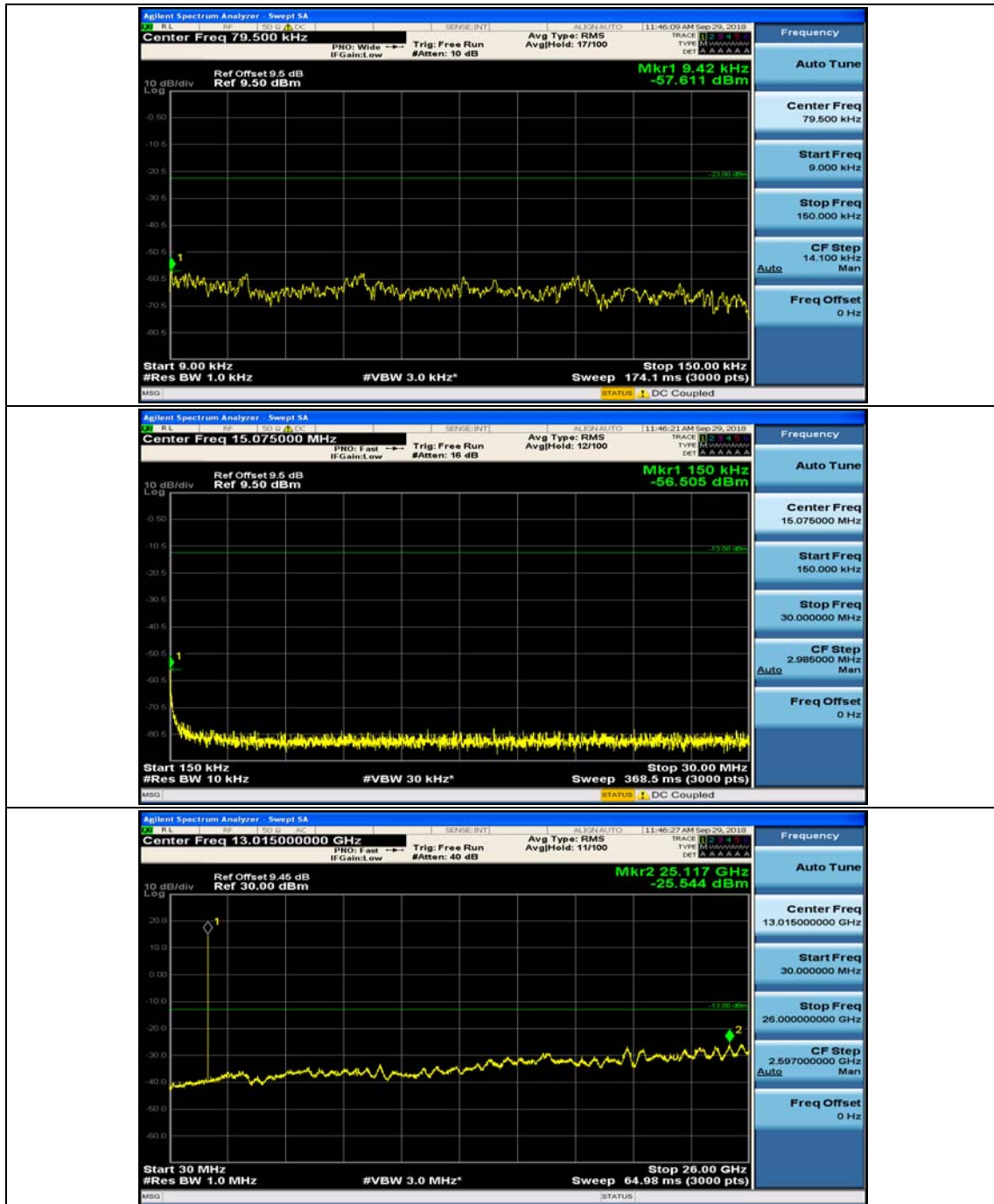


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

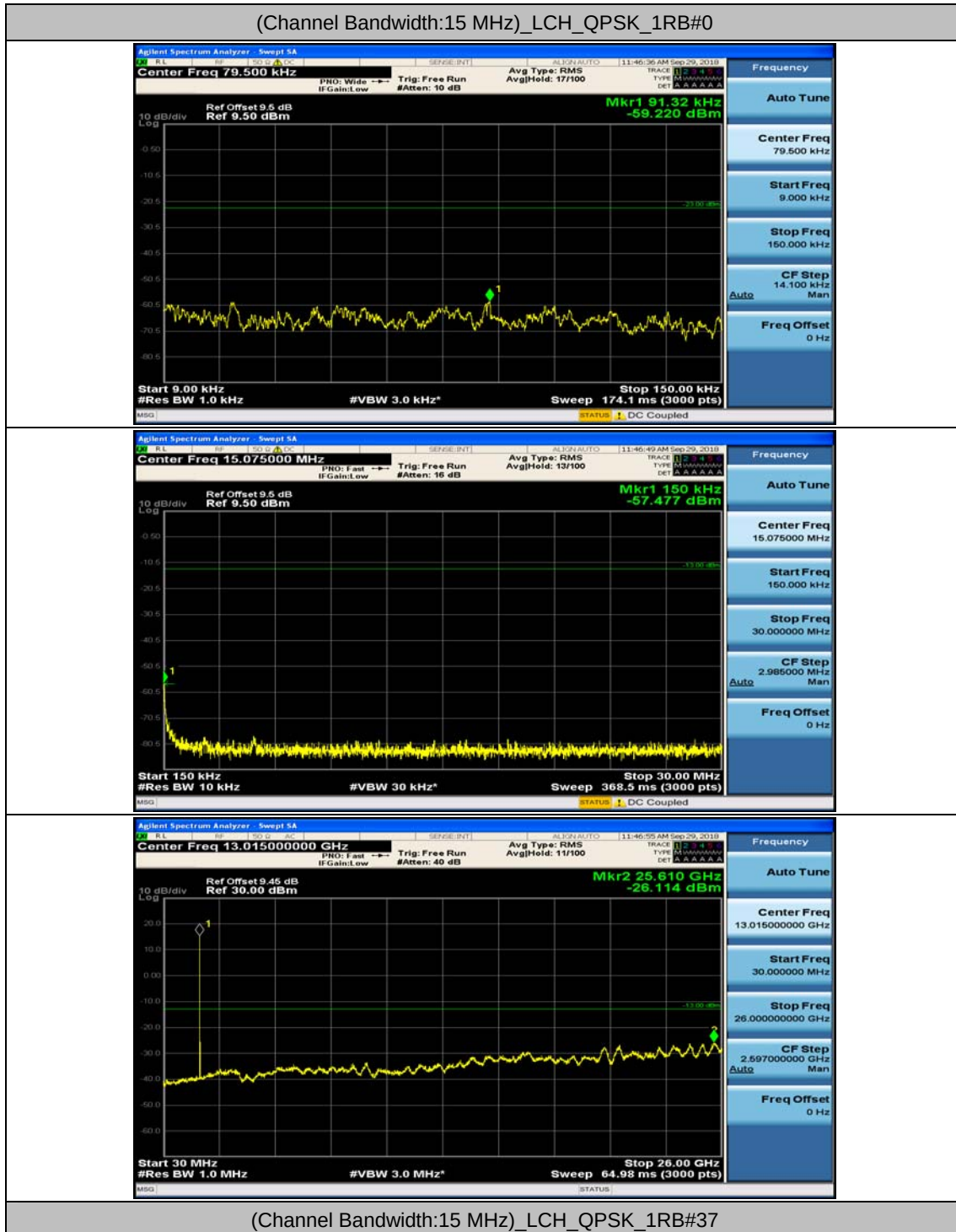


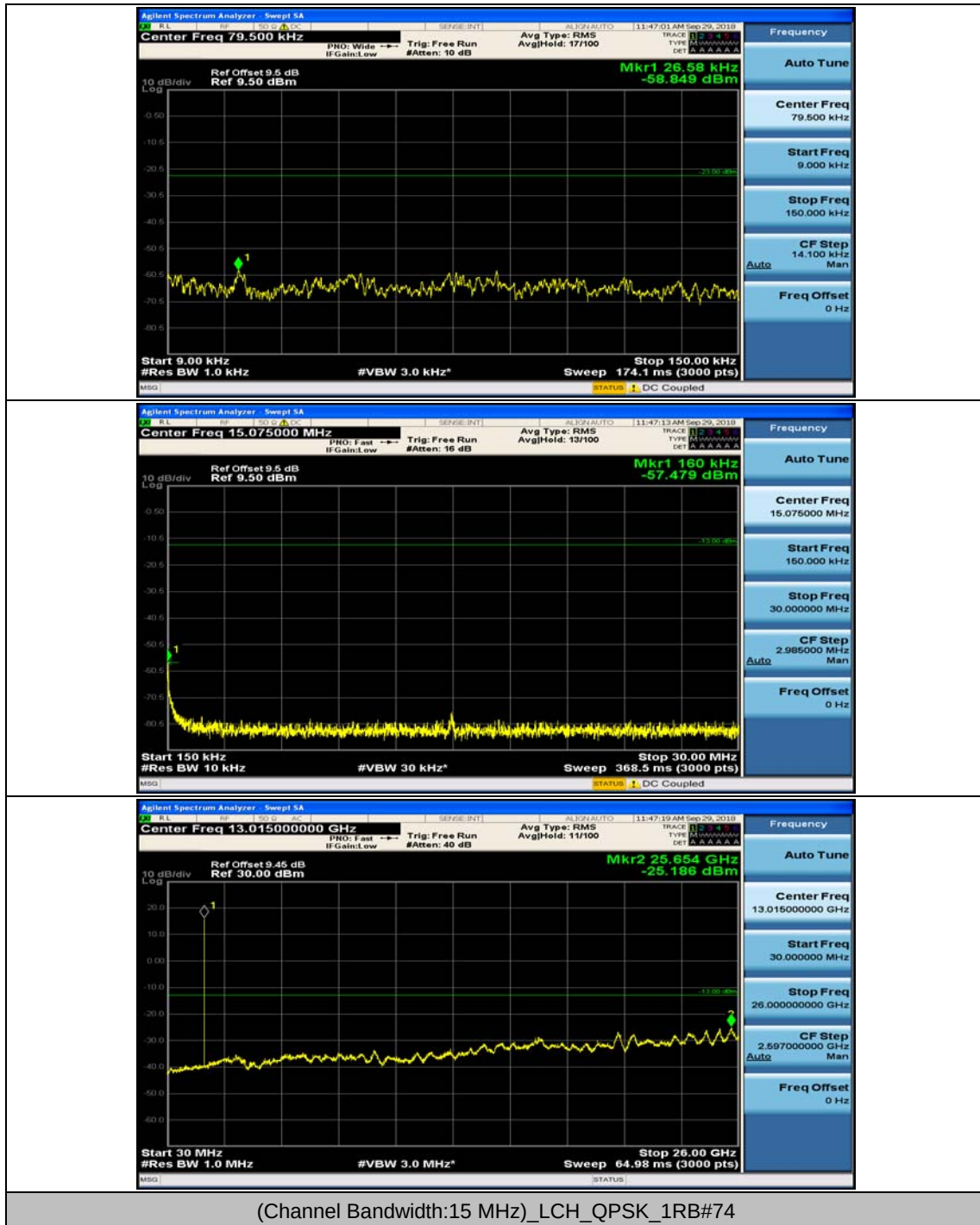
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

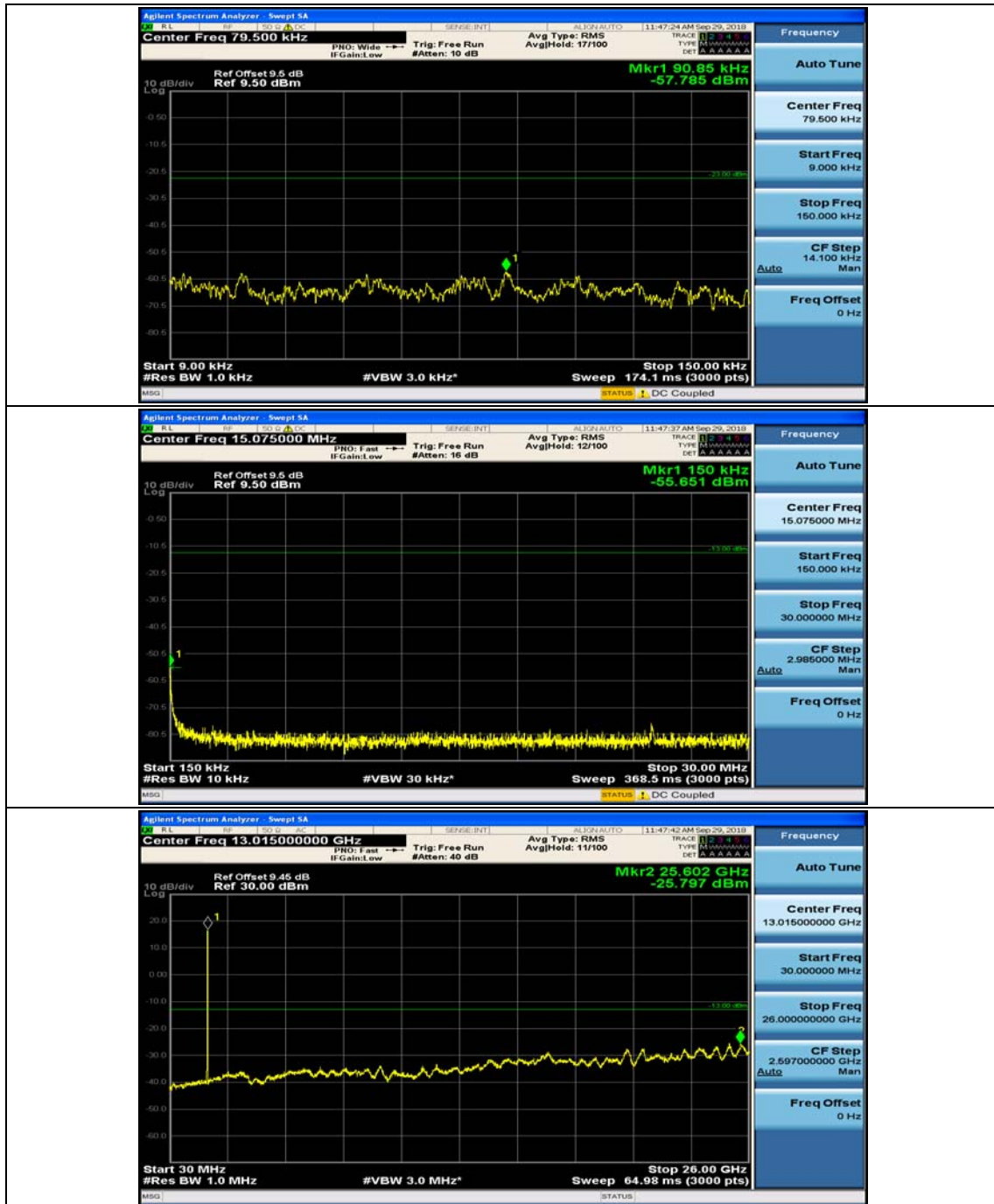




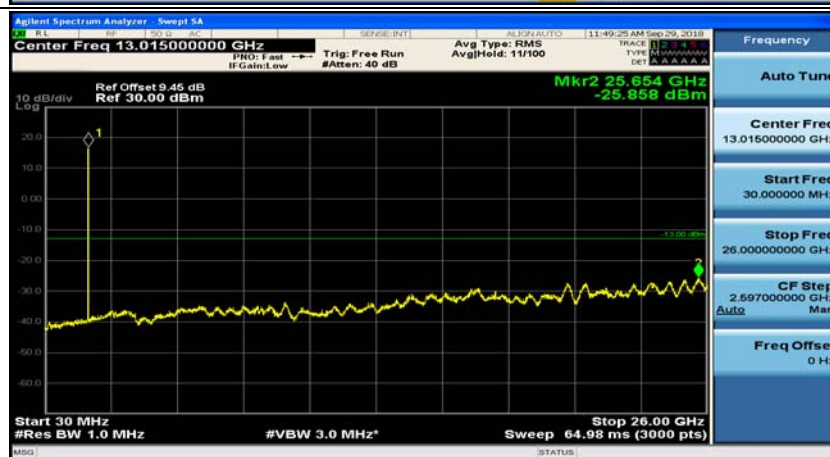
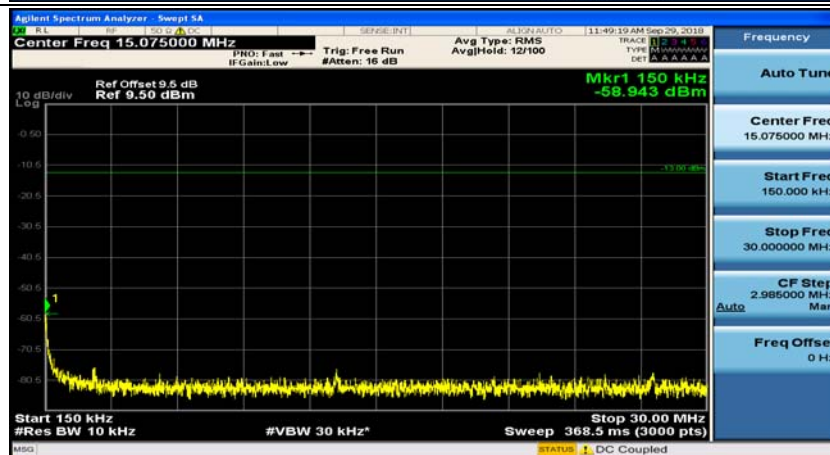
Channel Bandwidth: 15 MHz



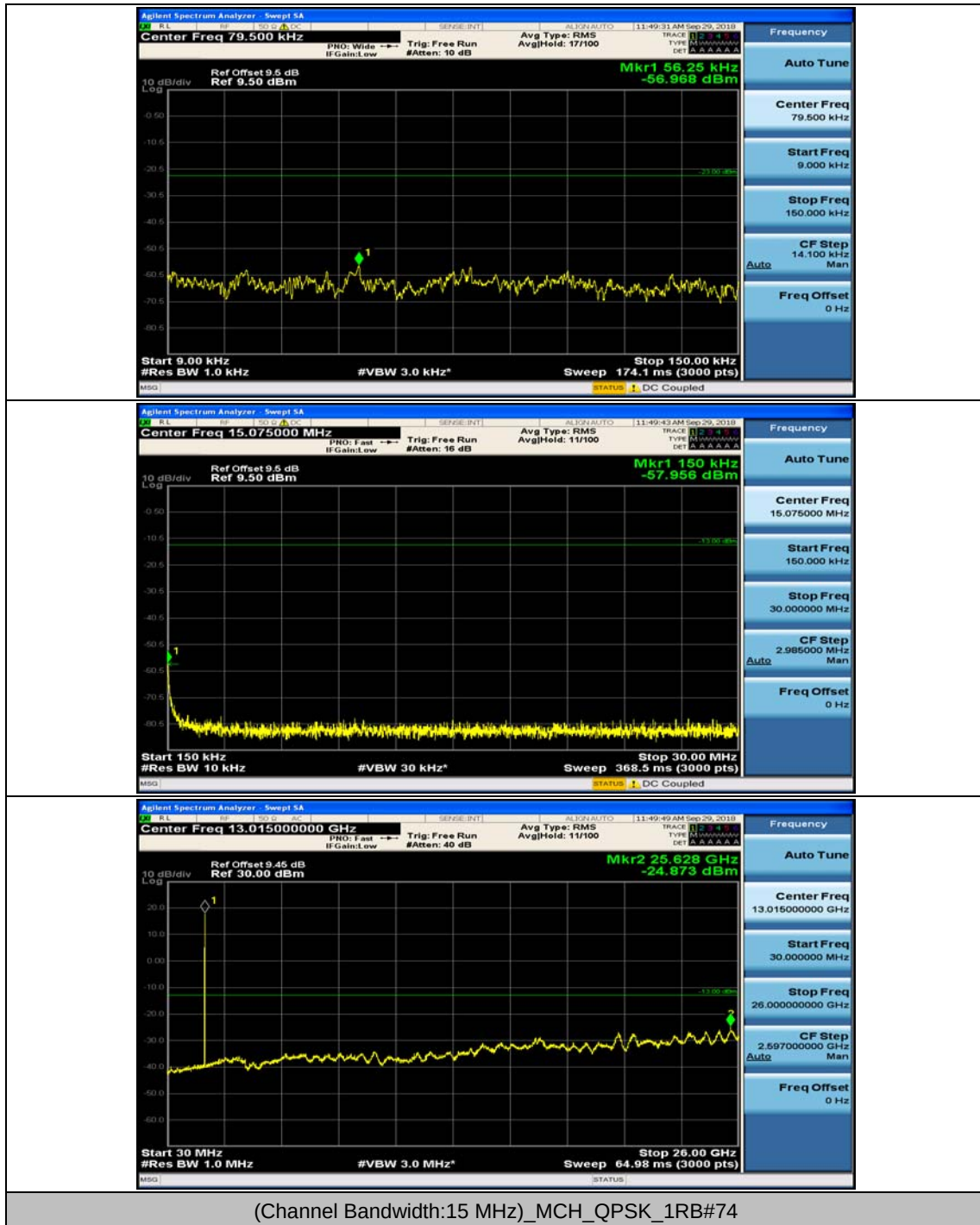


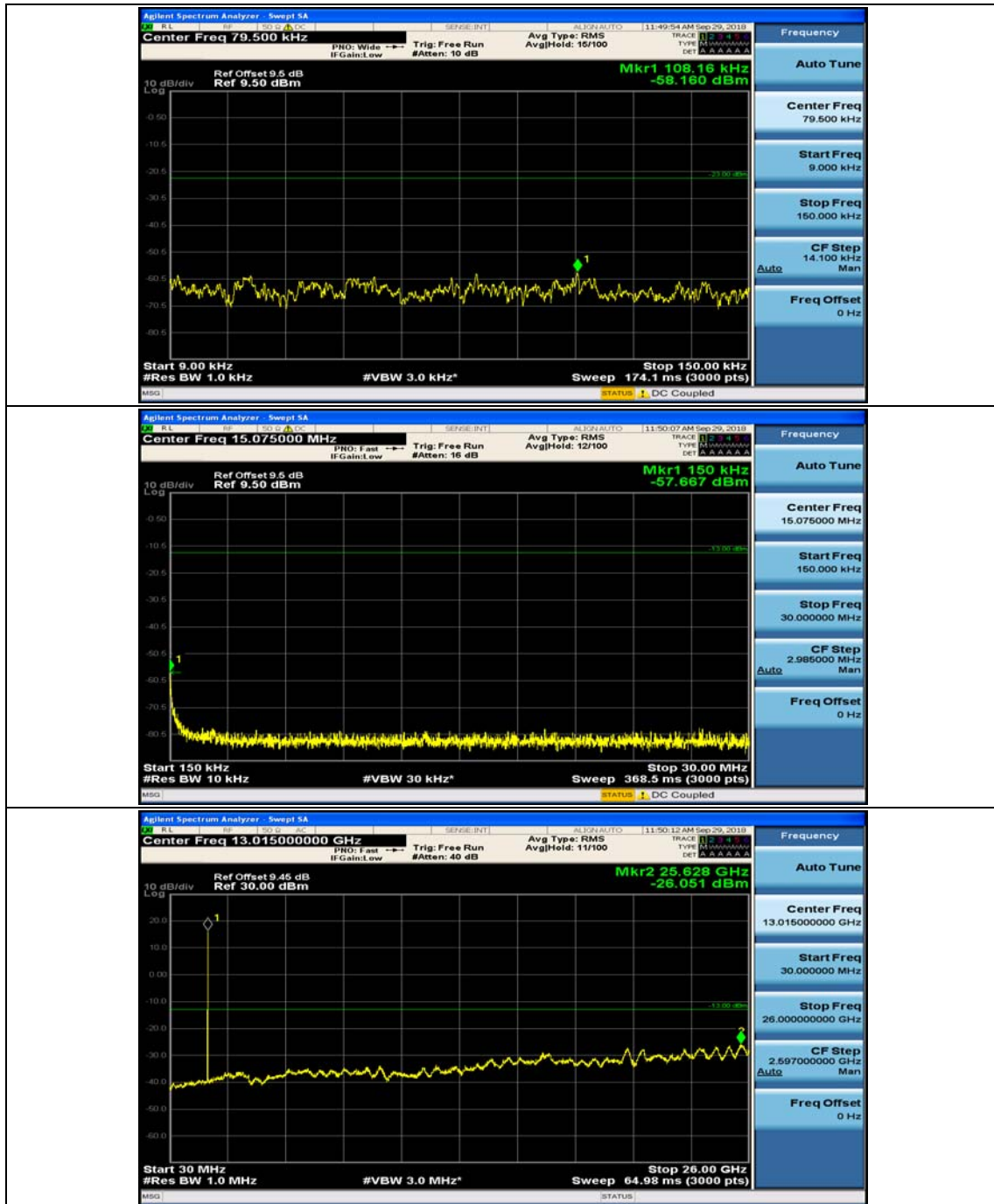


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

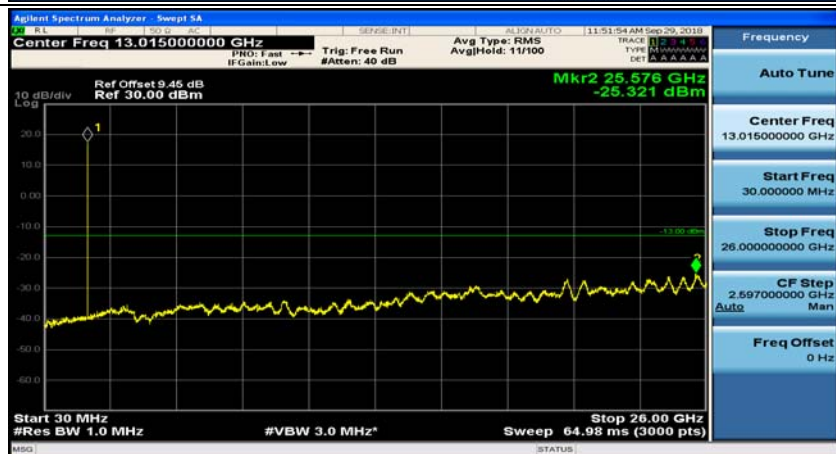
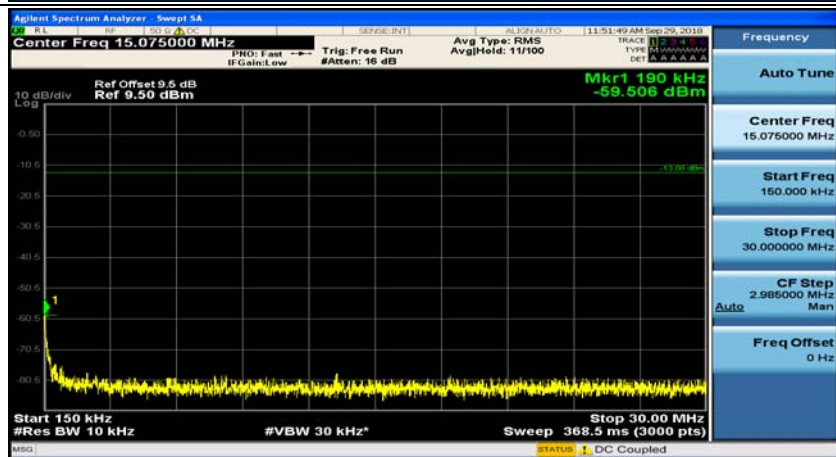


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

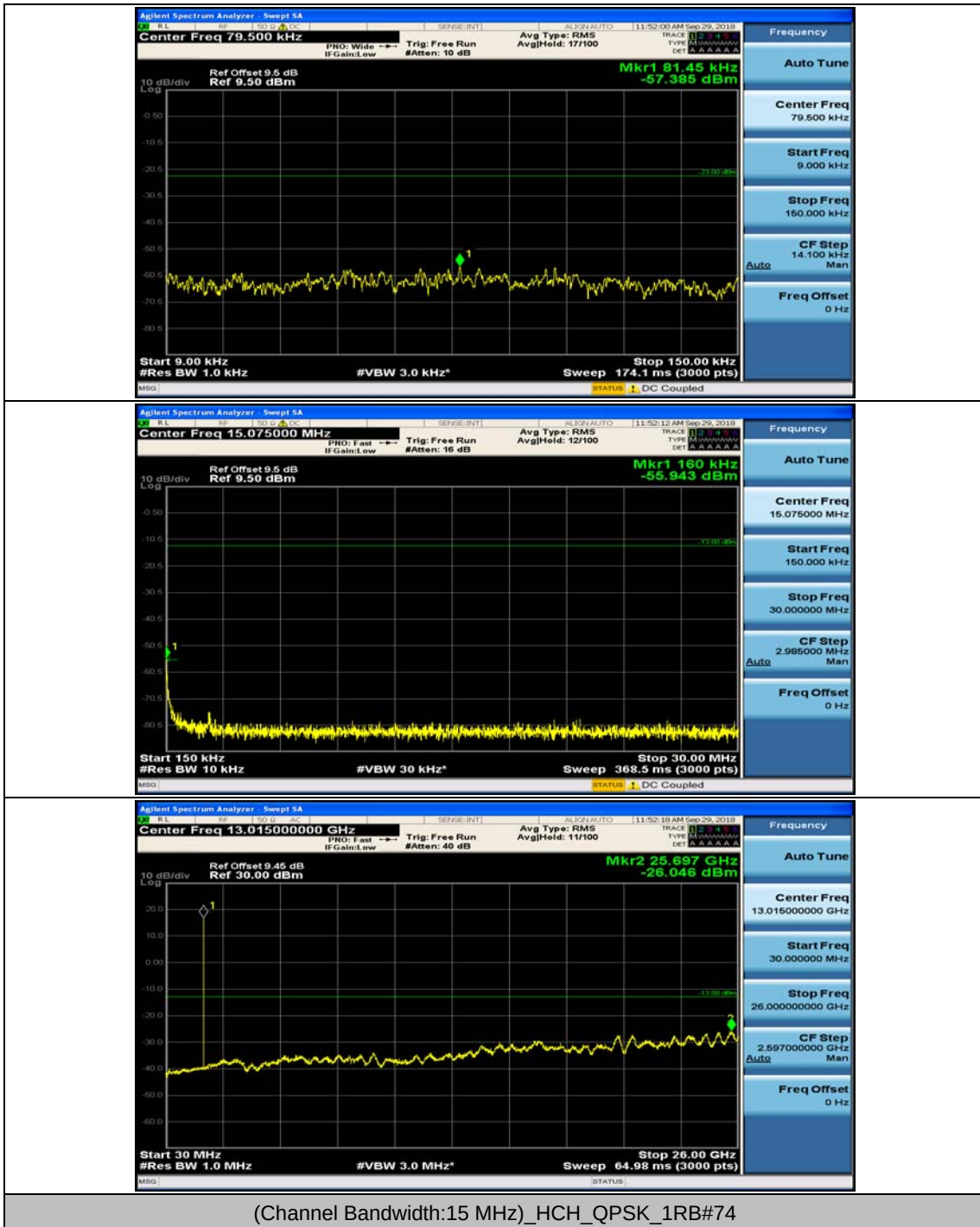


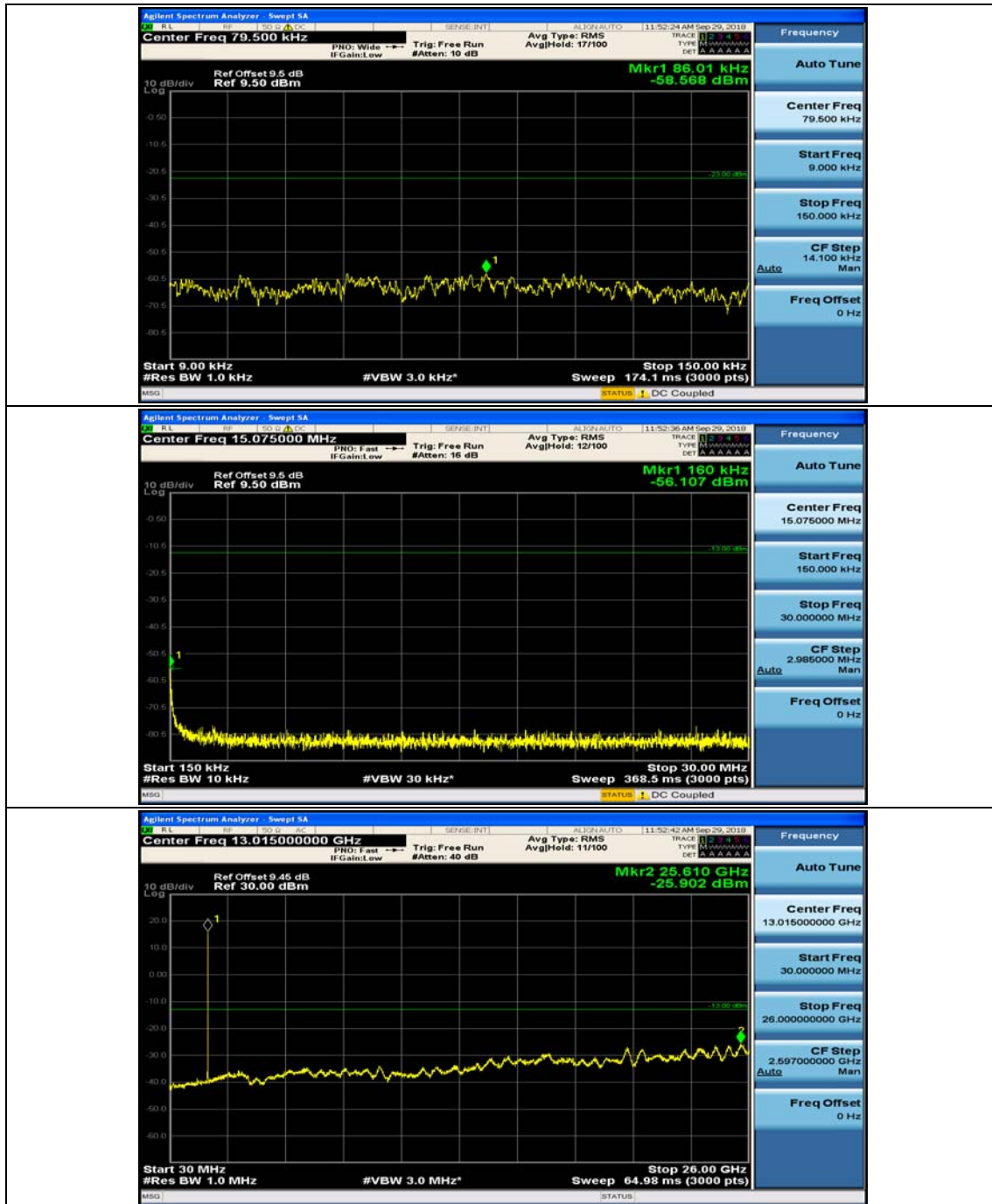


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

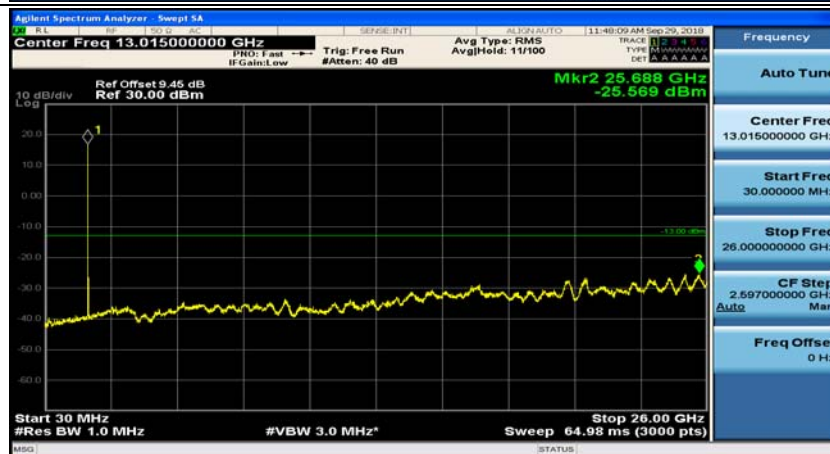
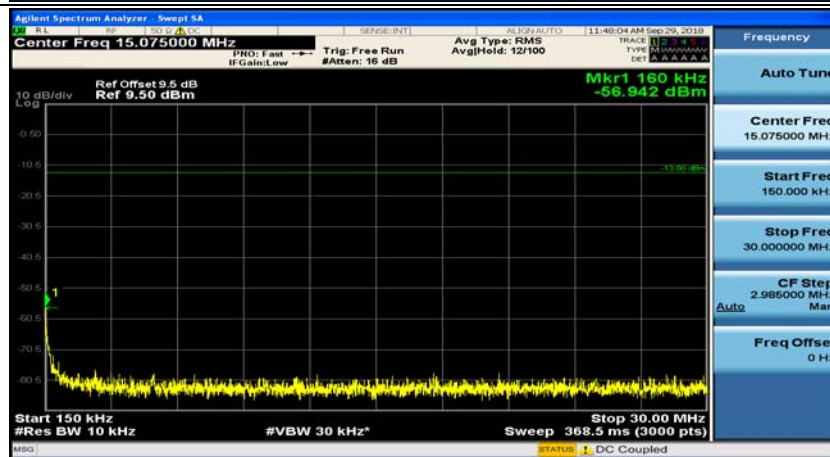
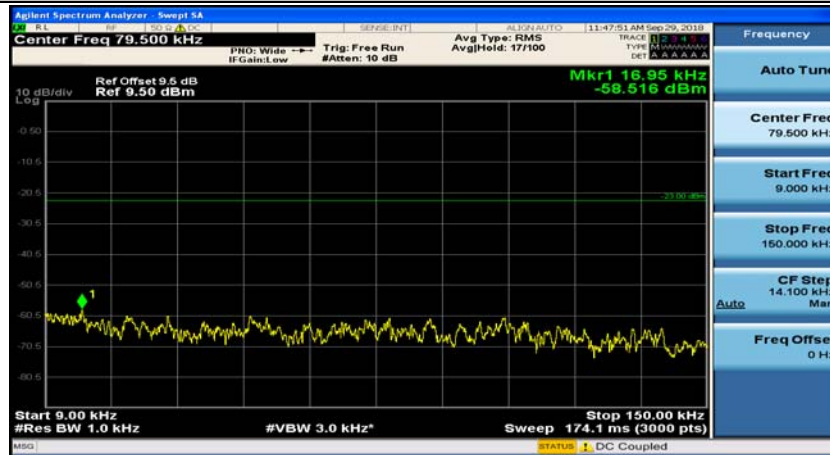


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

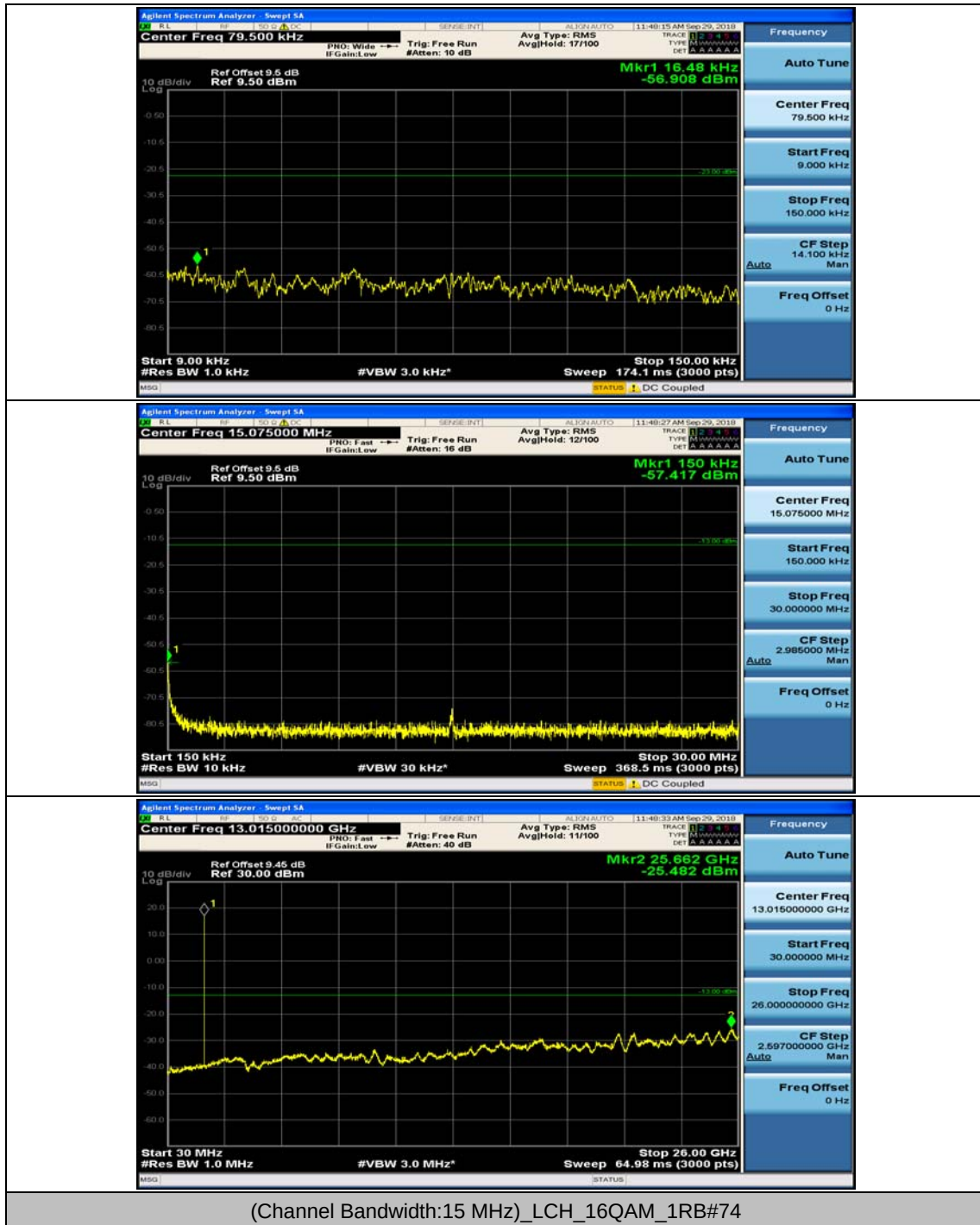


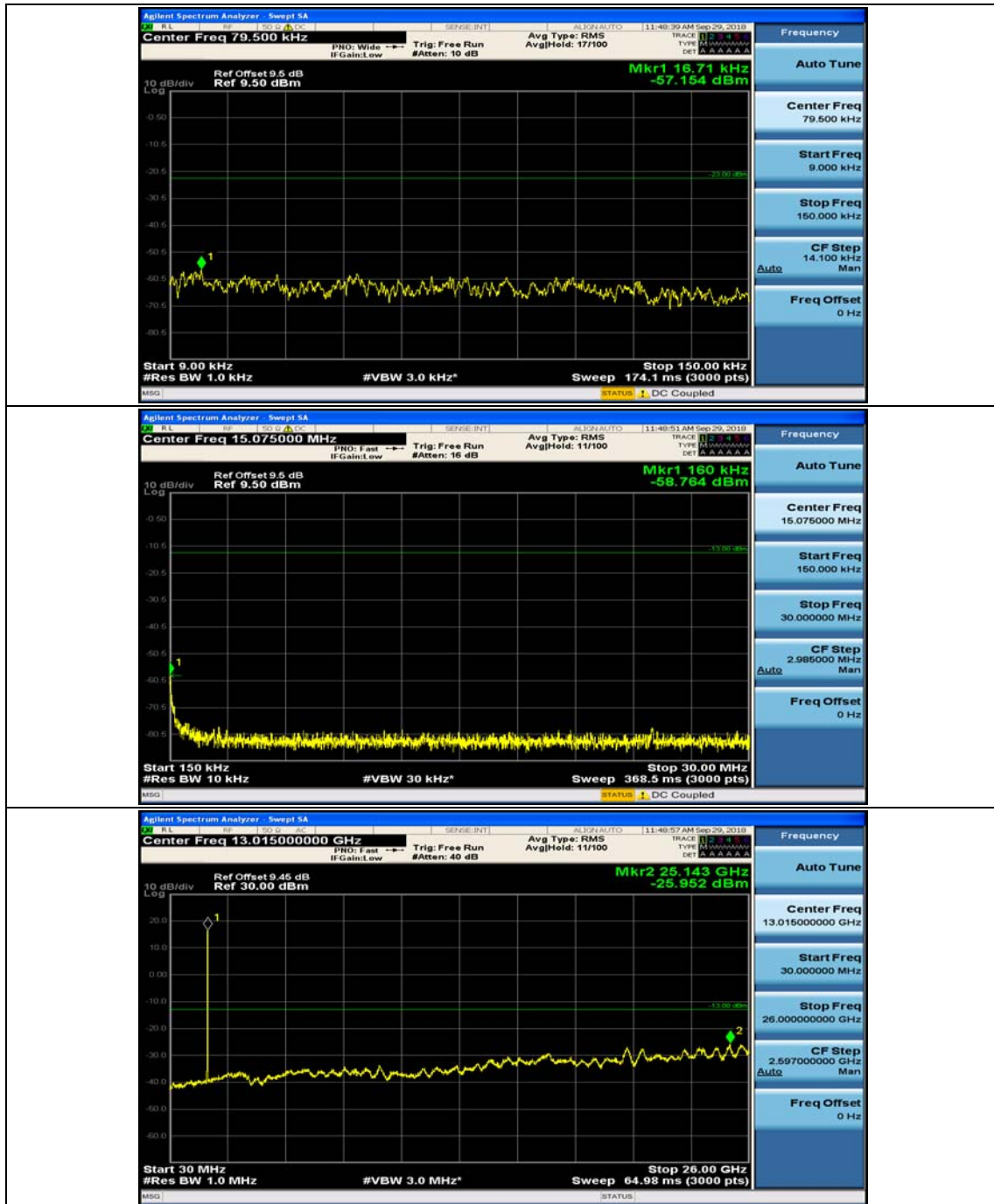


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

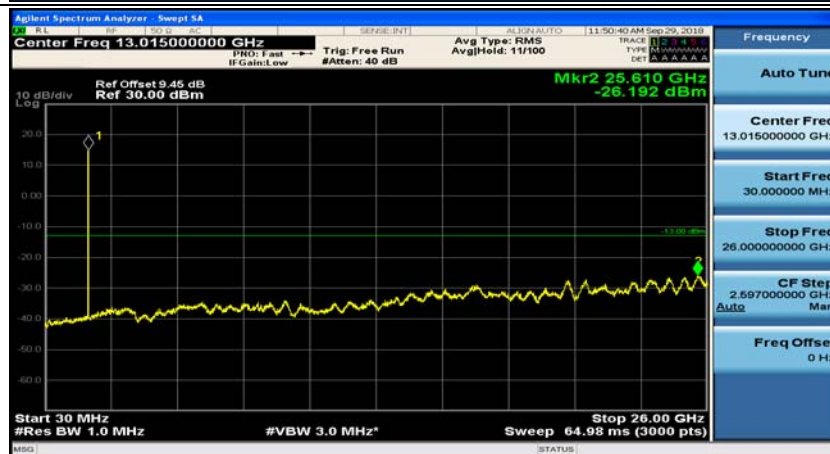
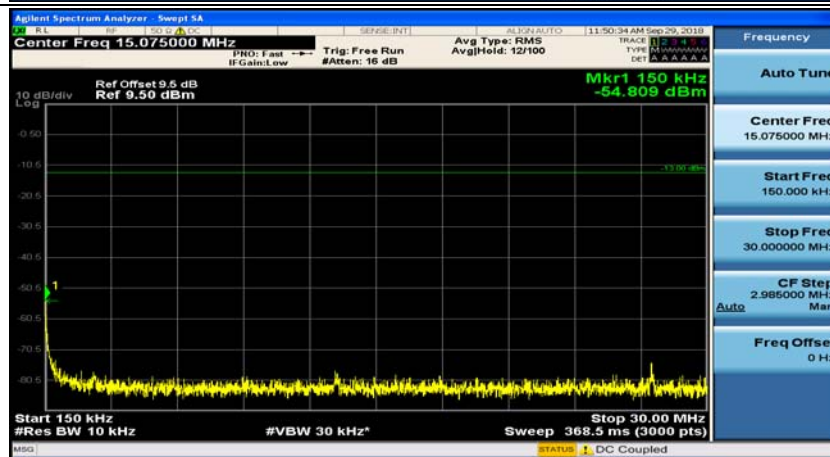


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

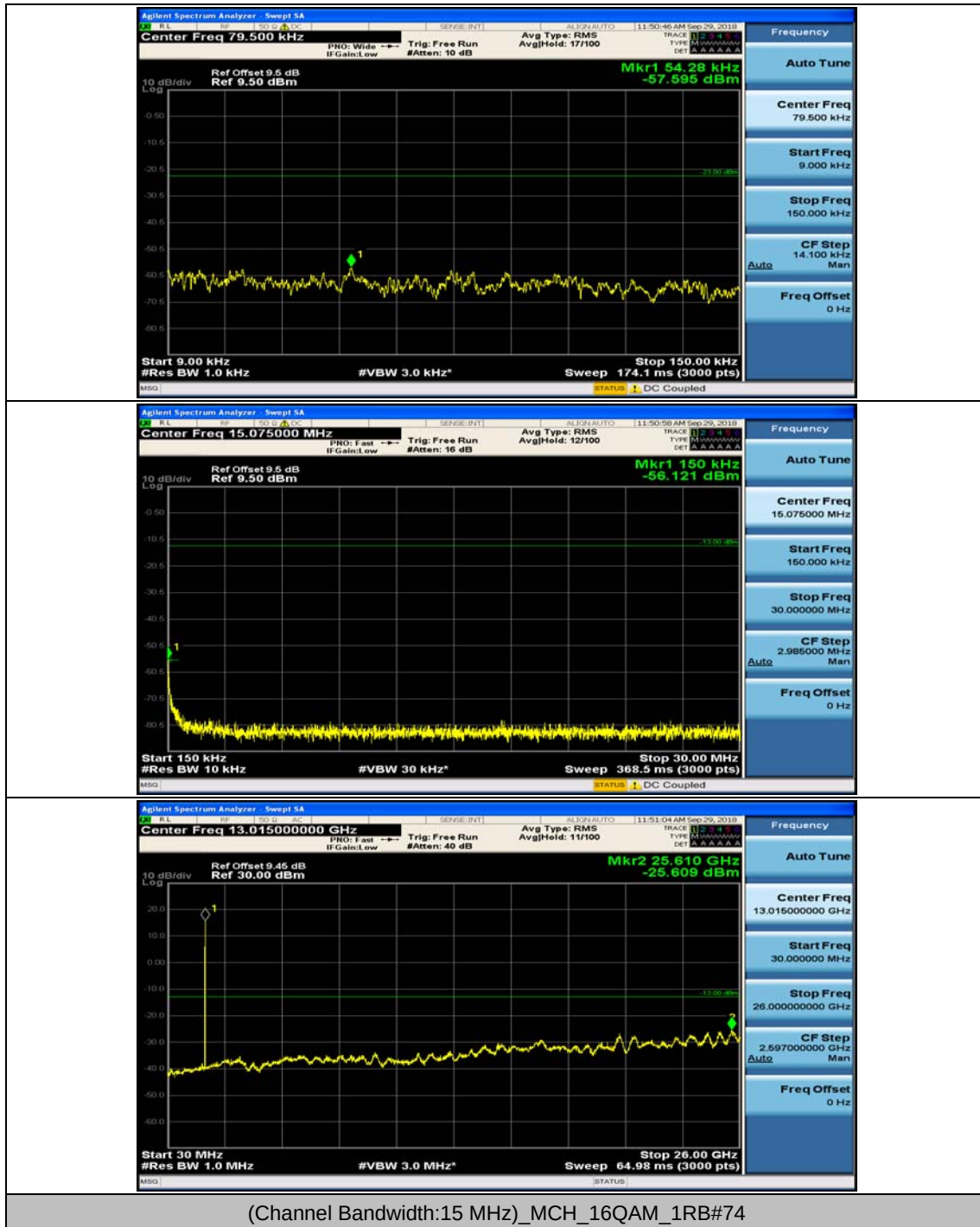


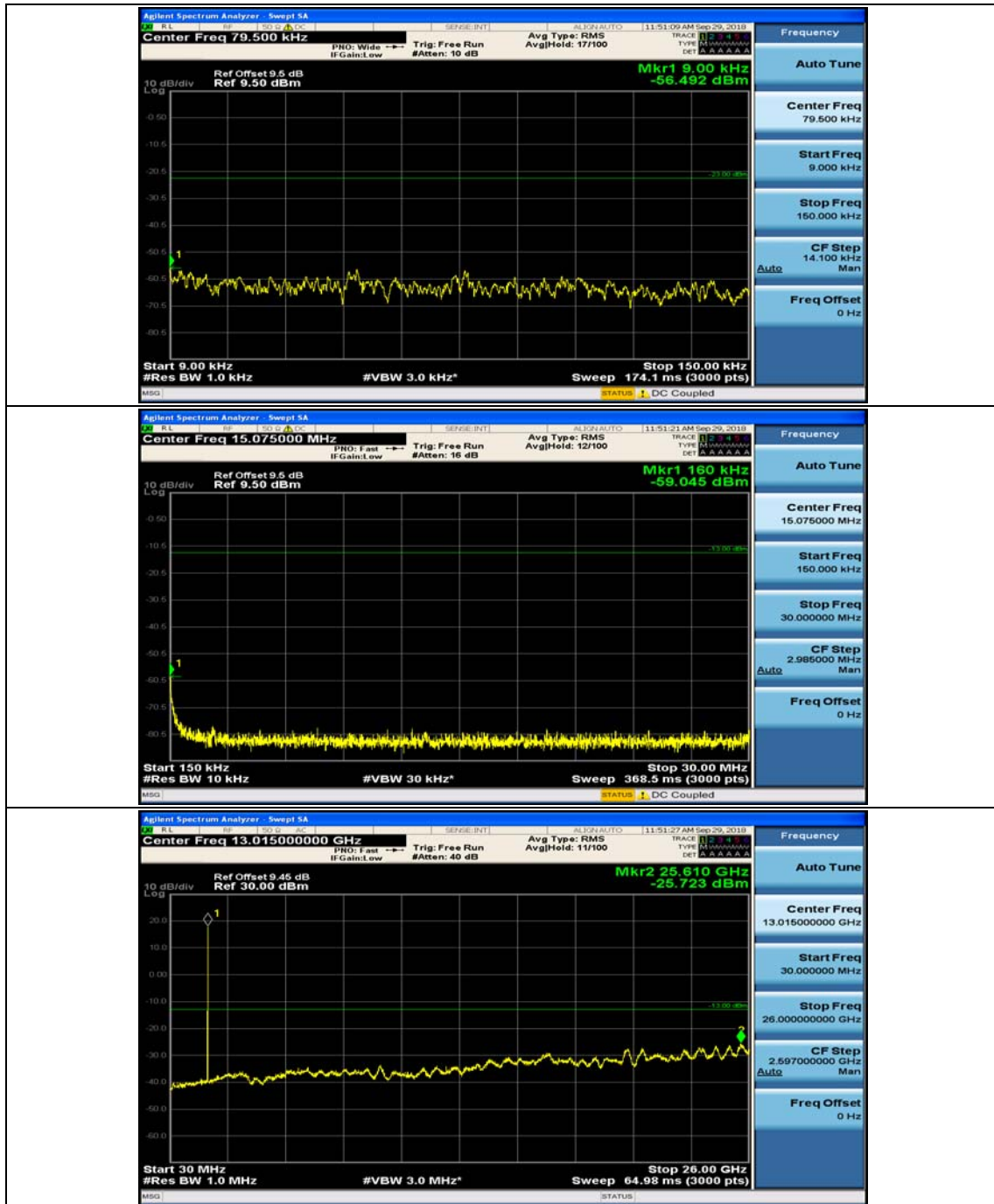


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

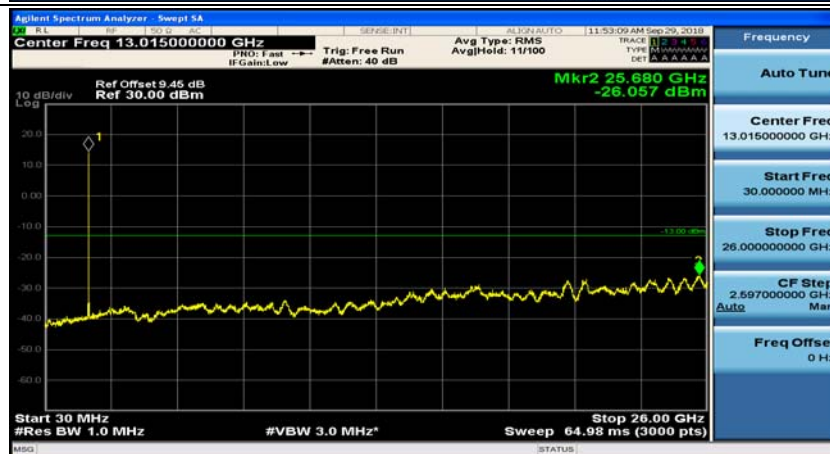
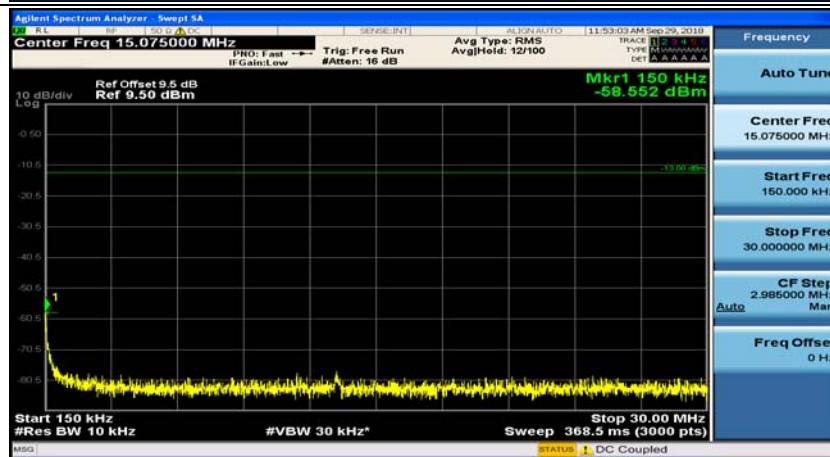


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

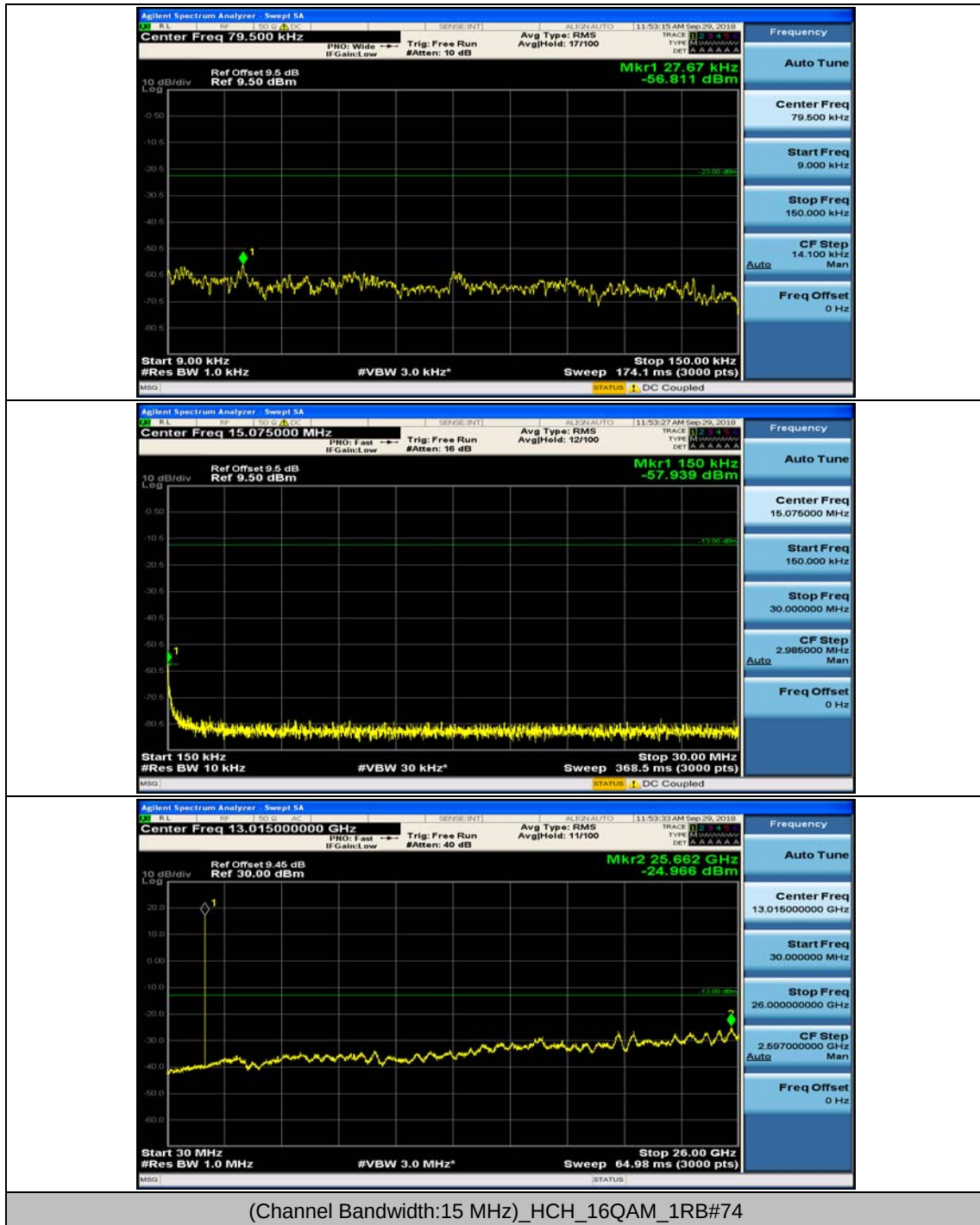


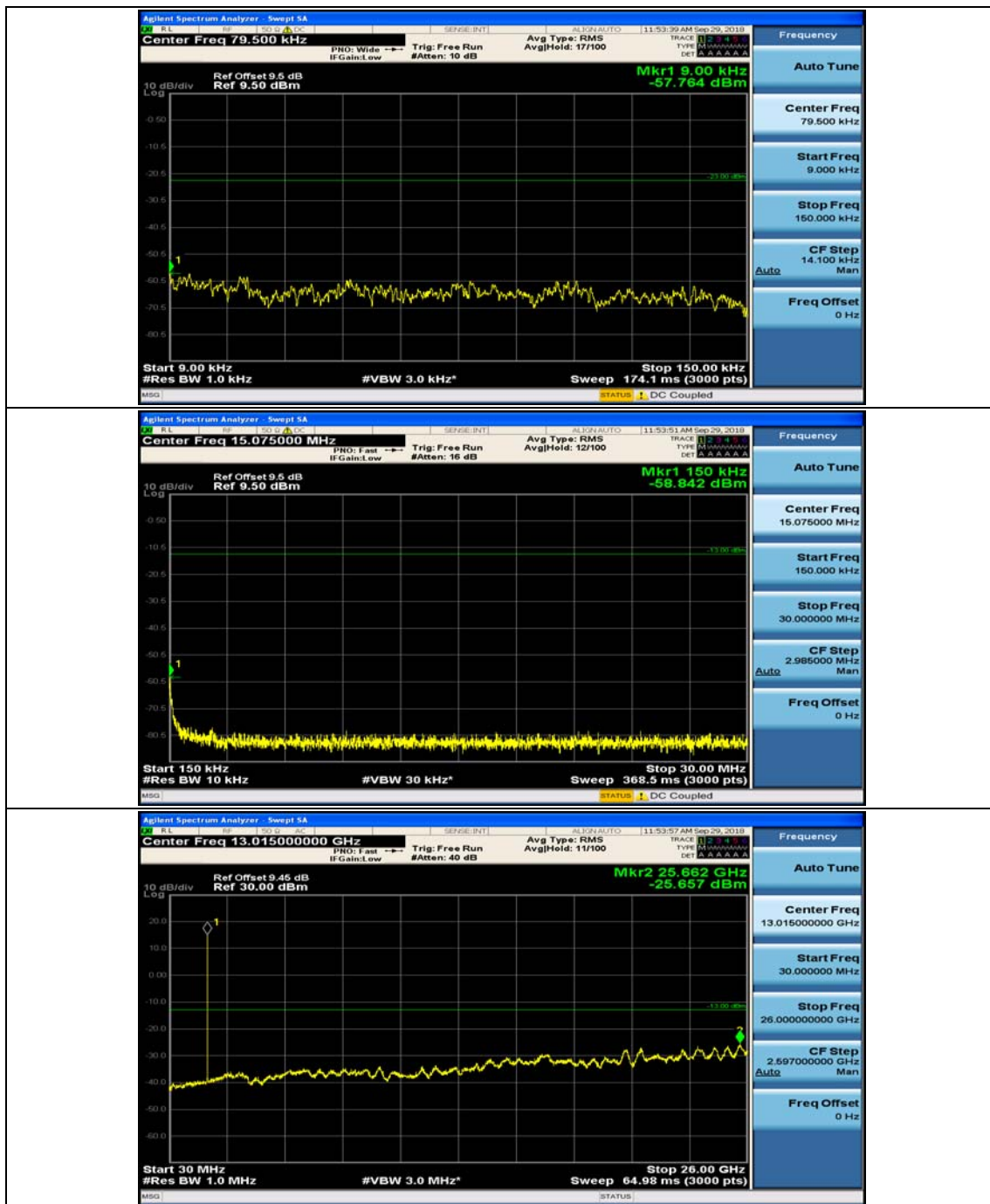


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

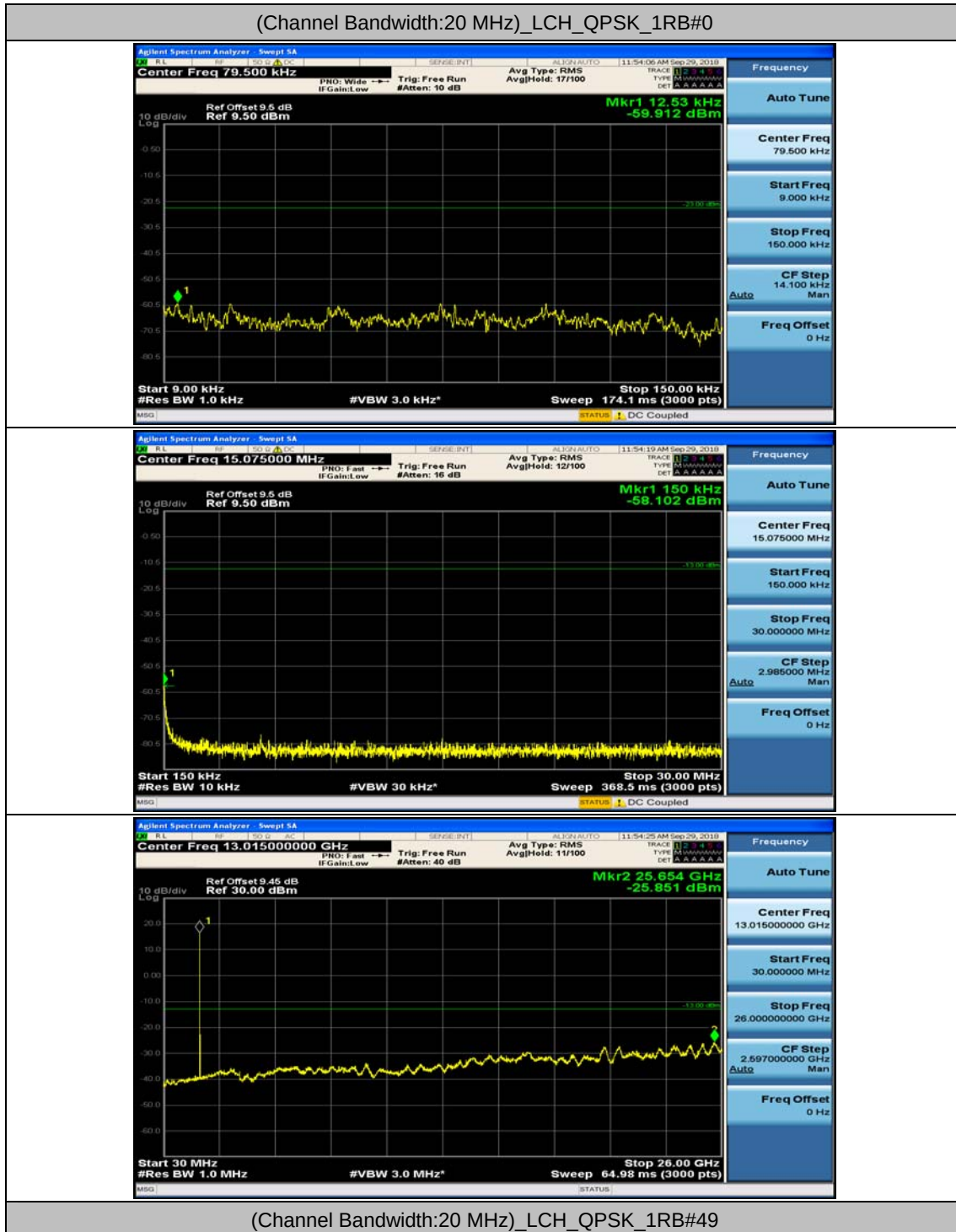


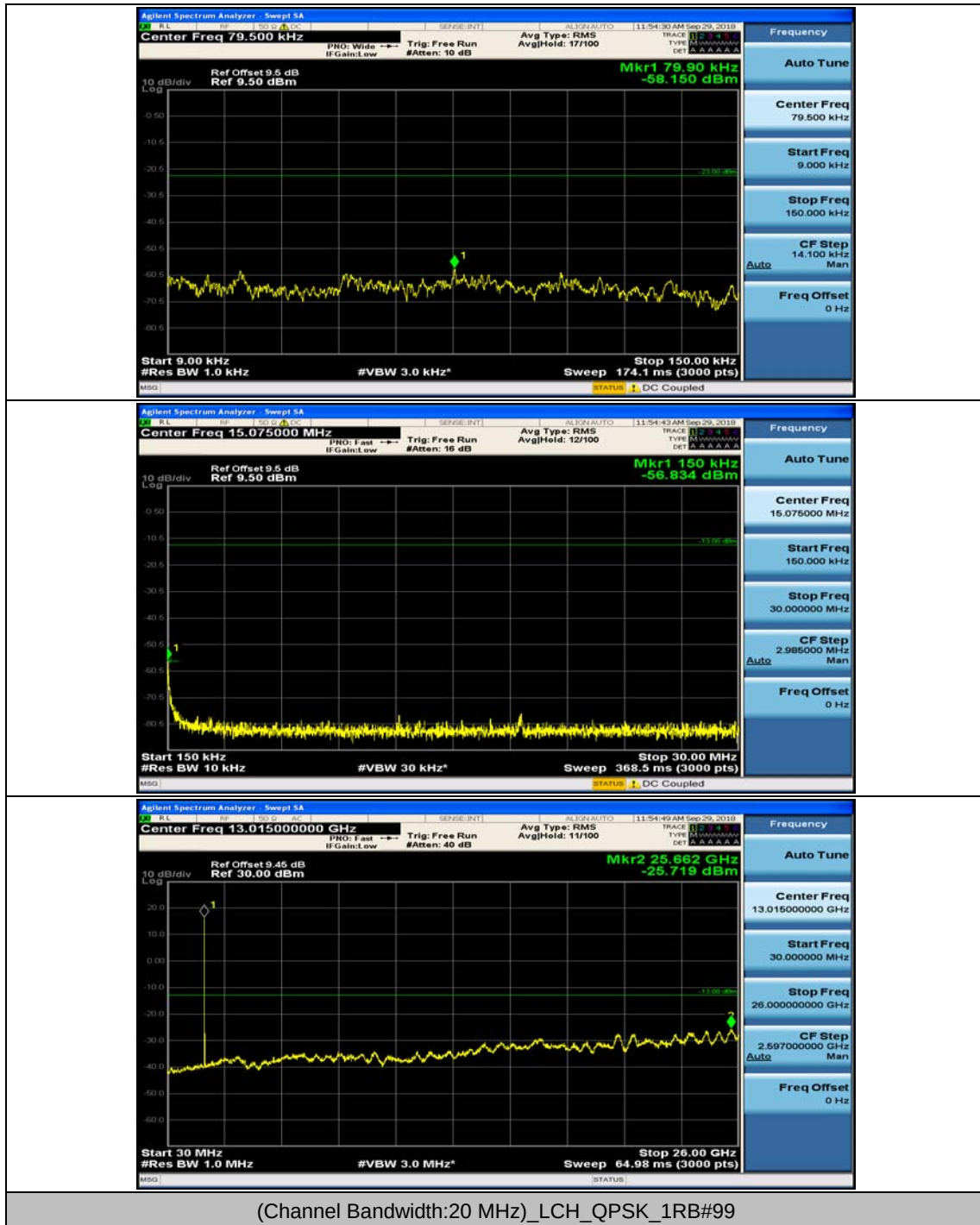
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

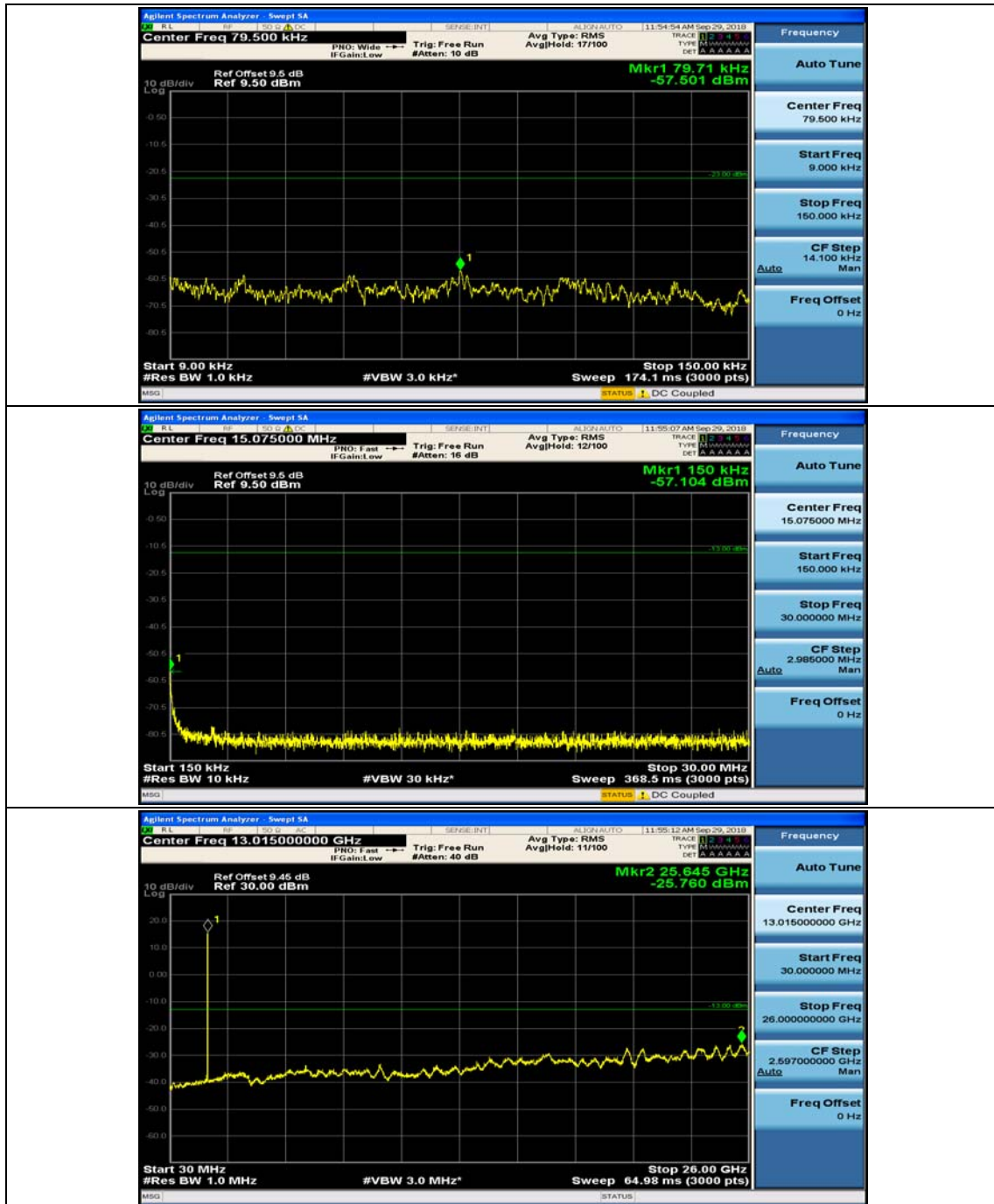




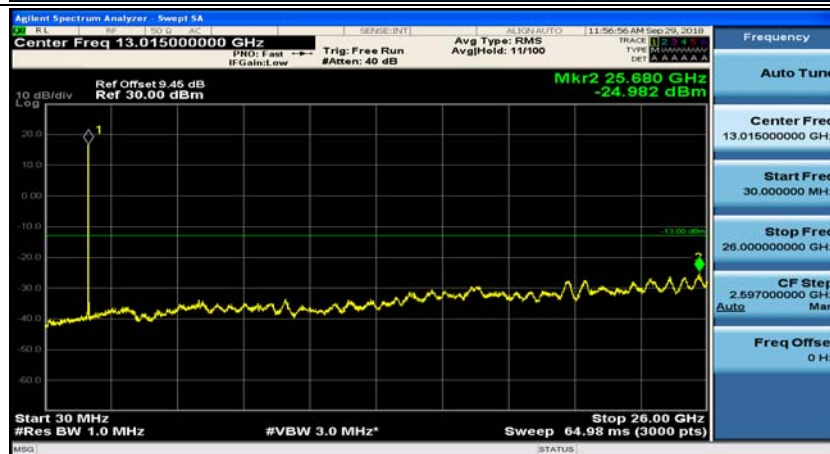
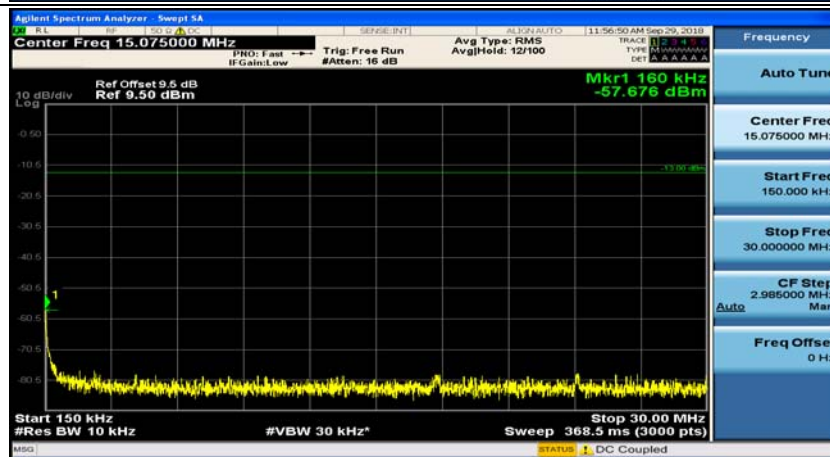
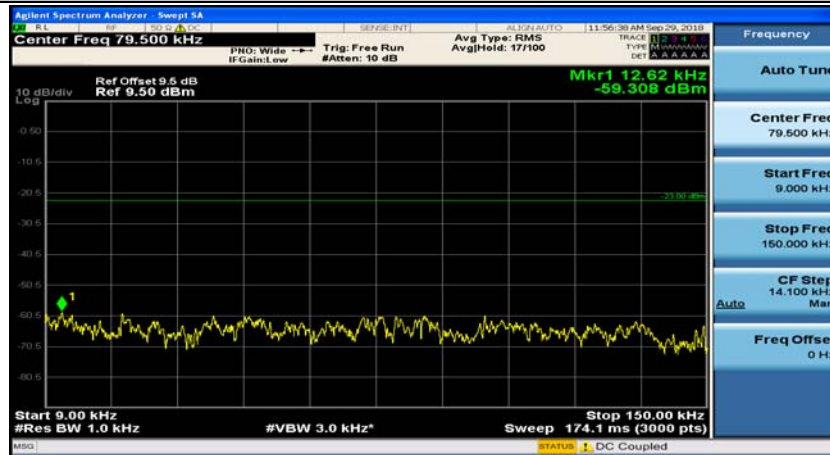
Channel Bandwidth: 20 MHz



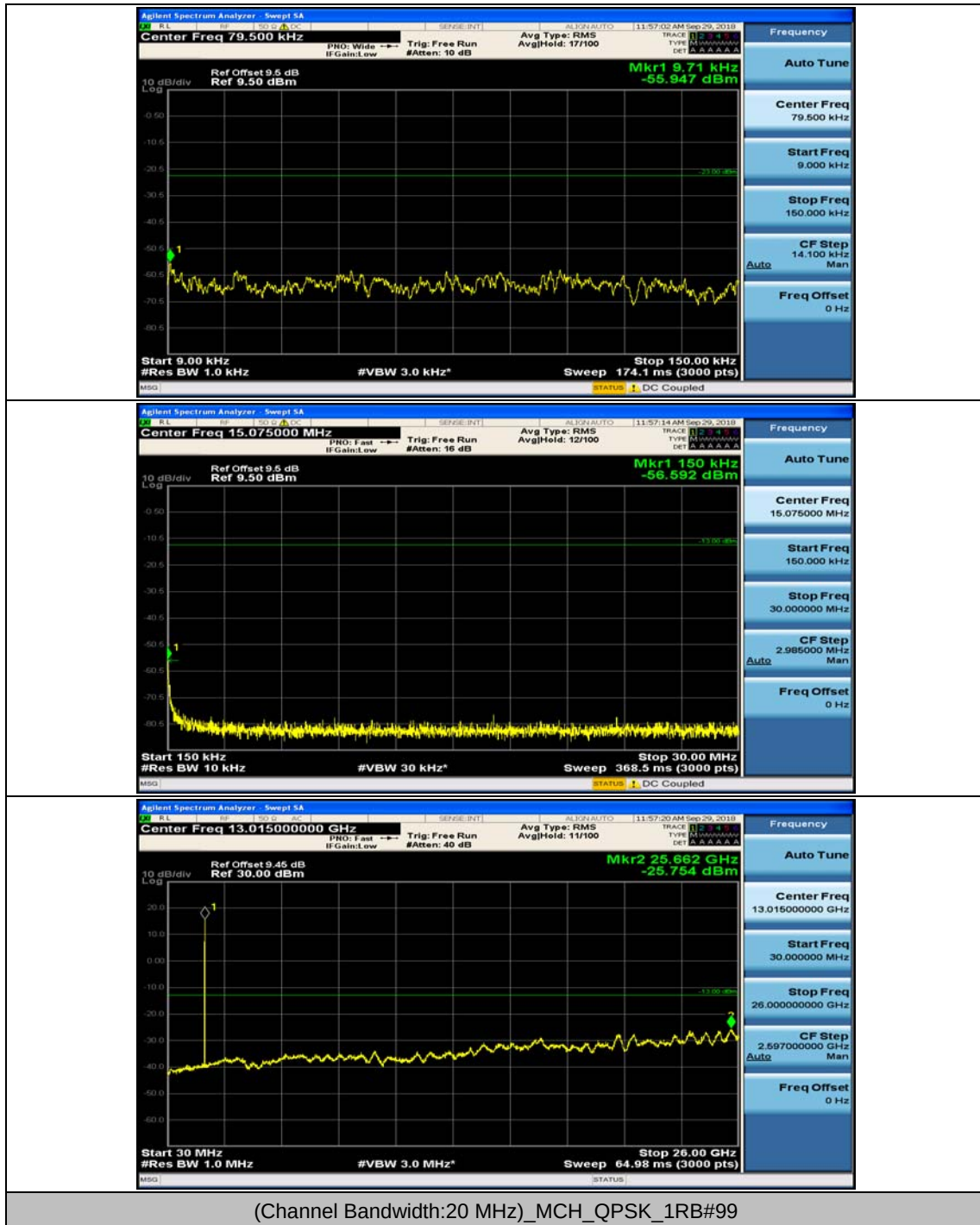


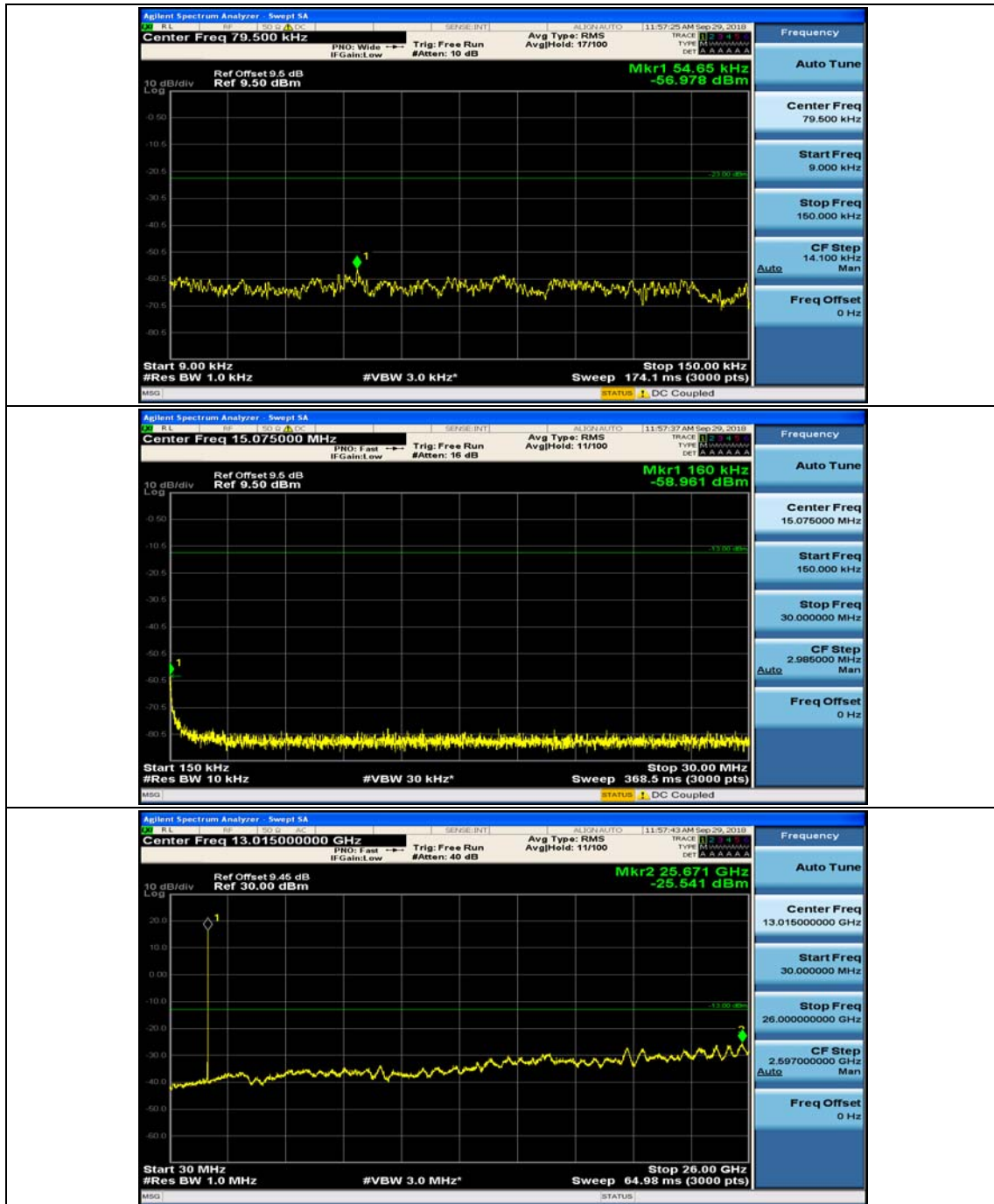


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

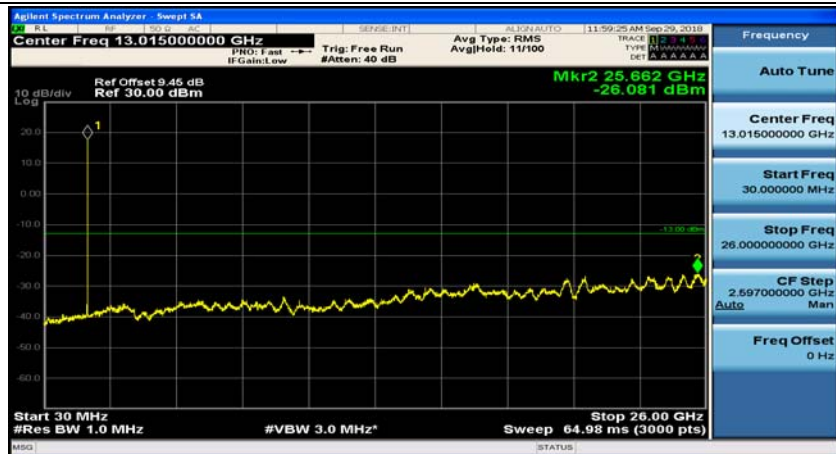
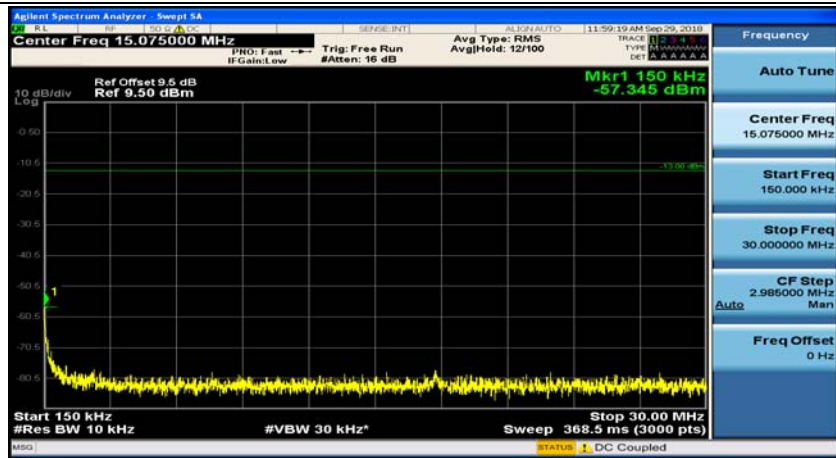
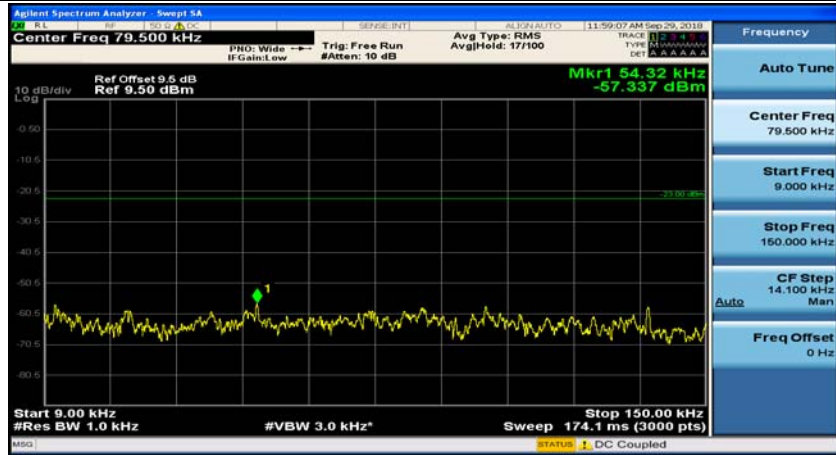


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

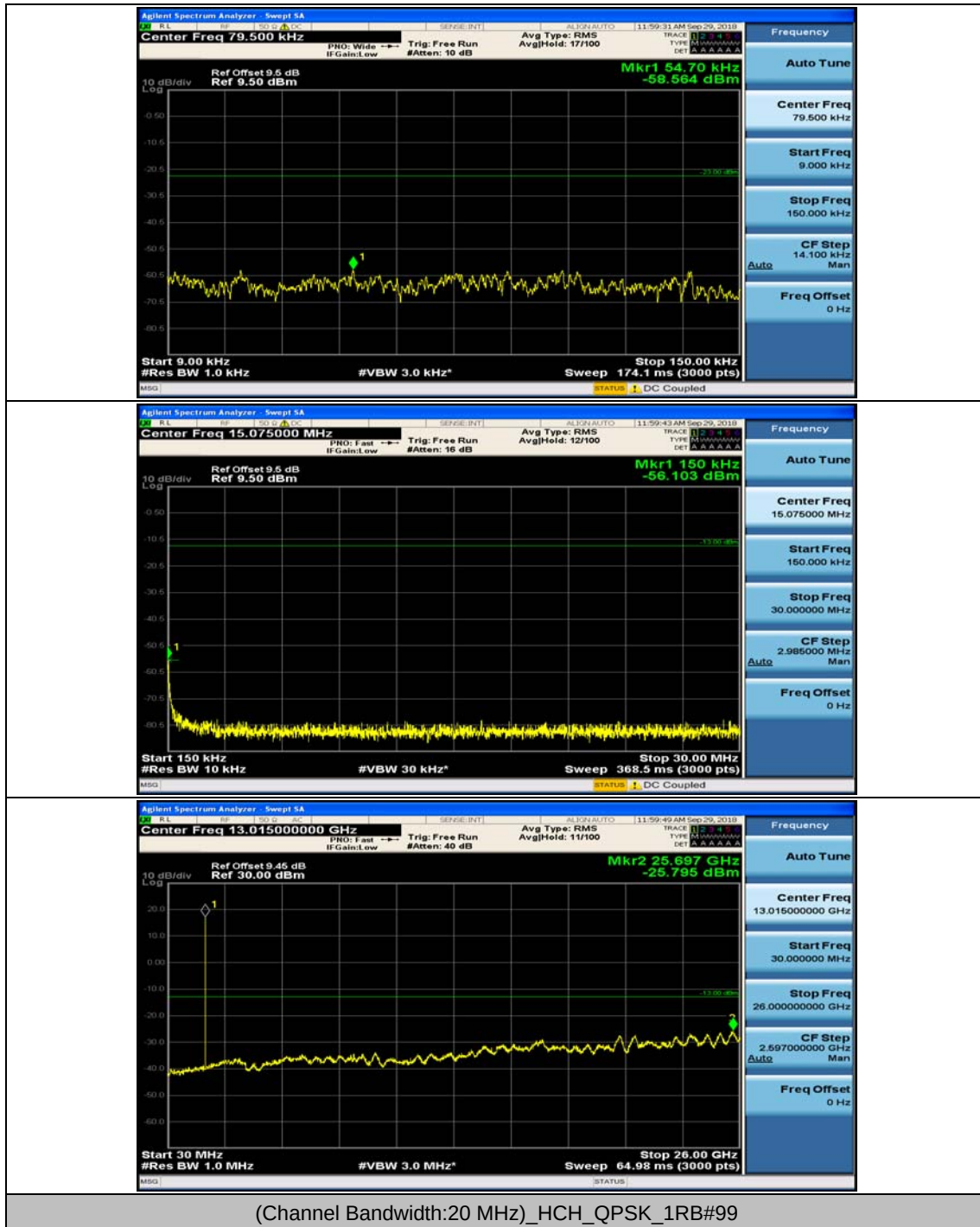


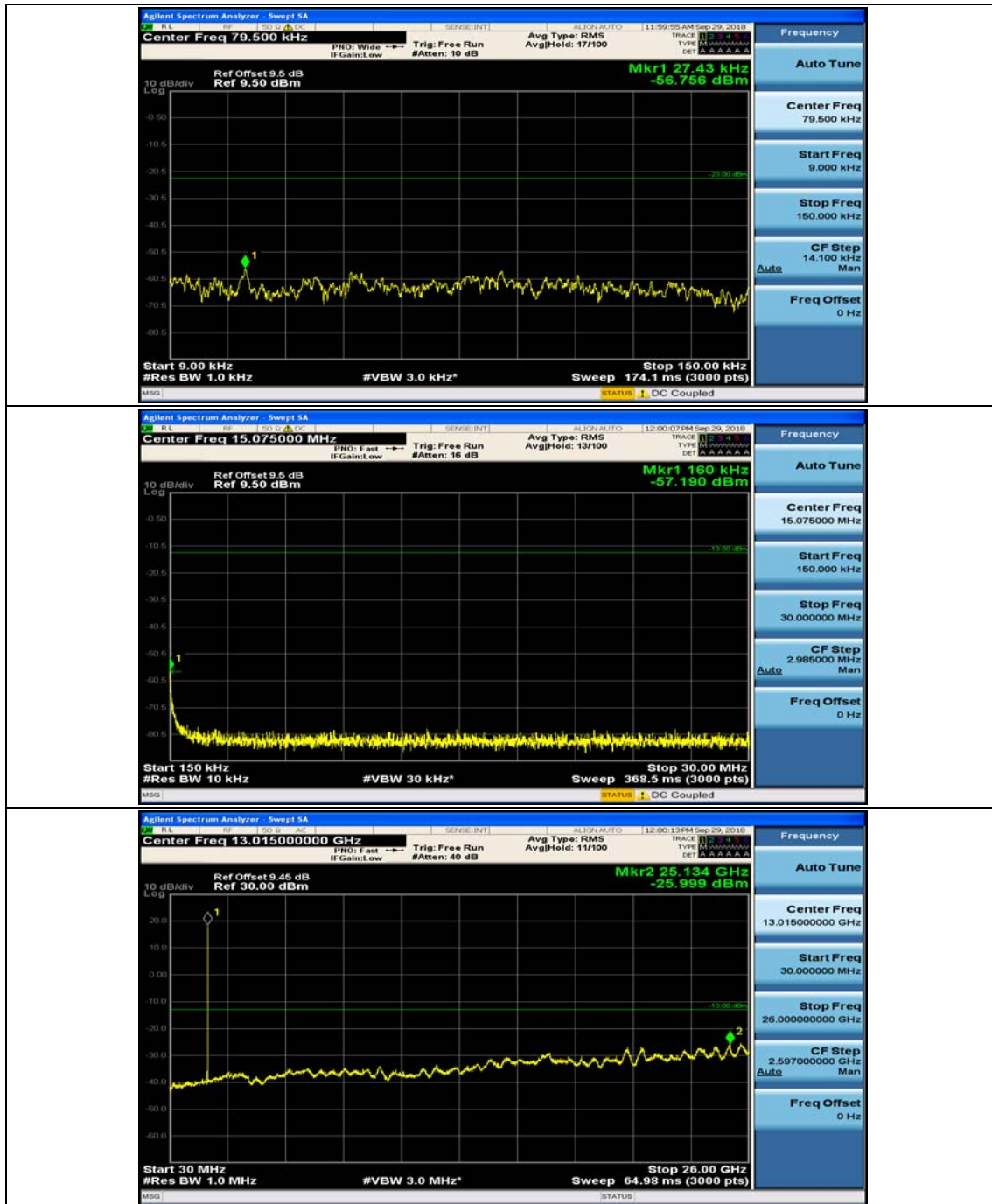


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

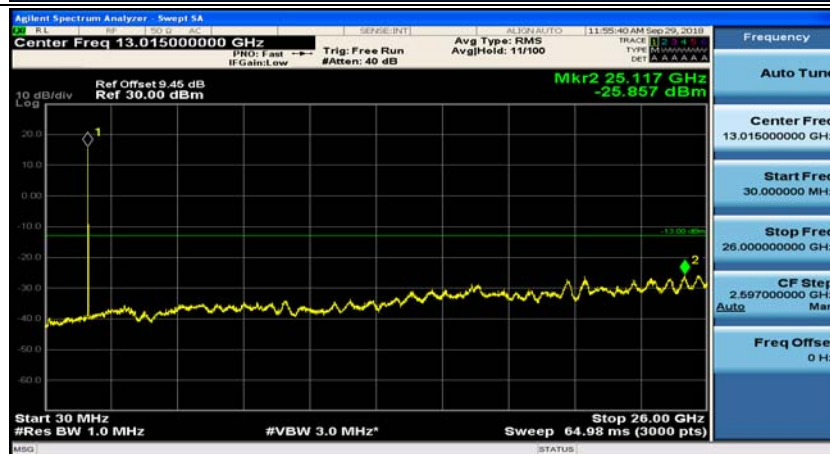
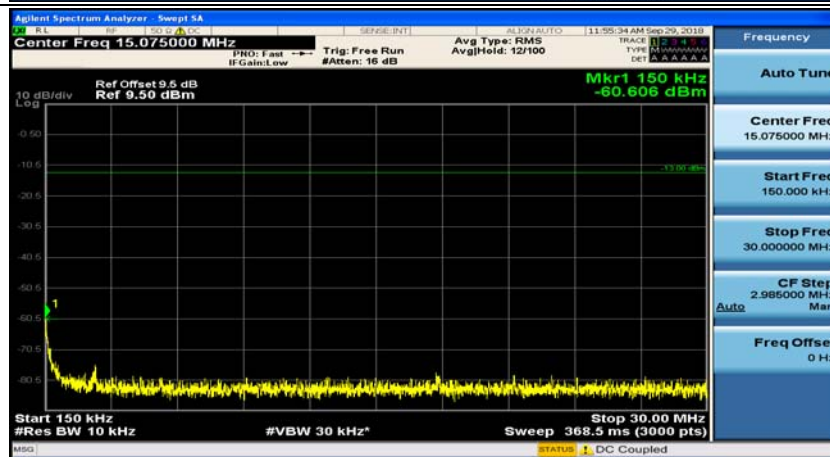
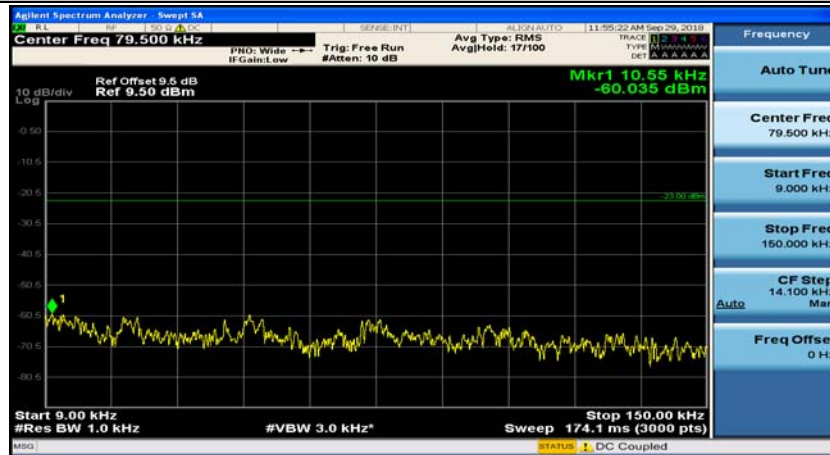


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

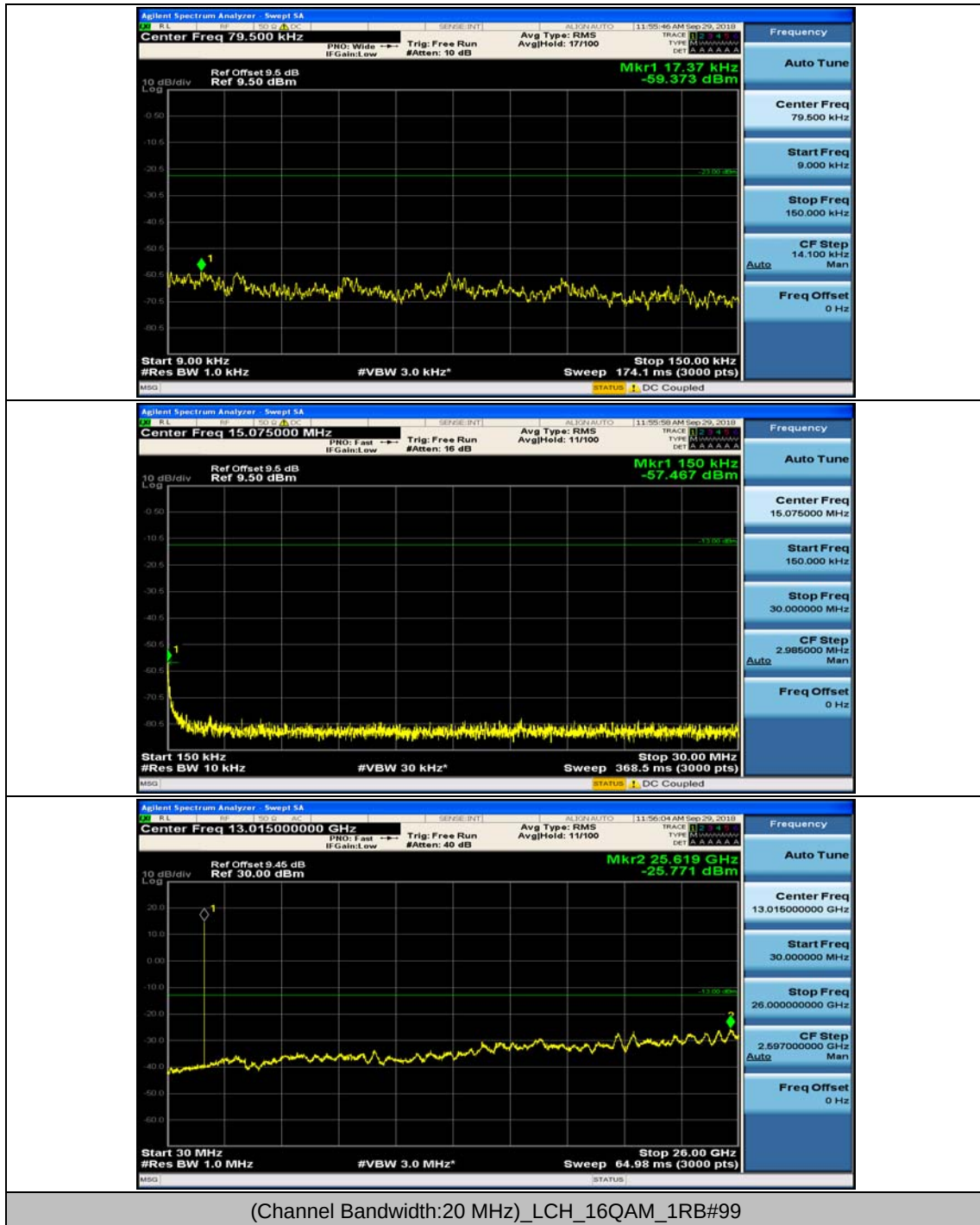


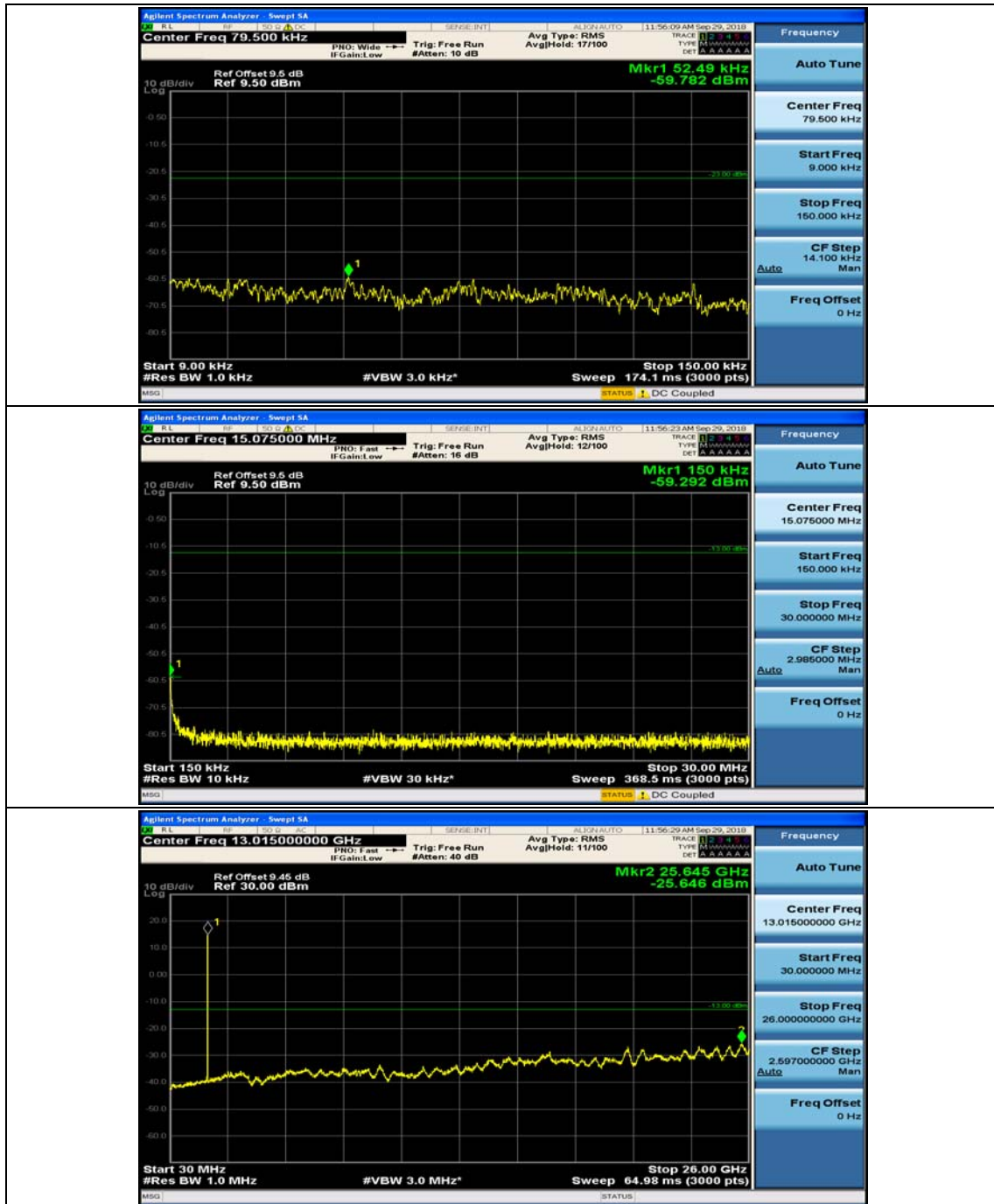


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

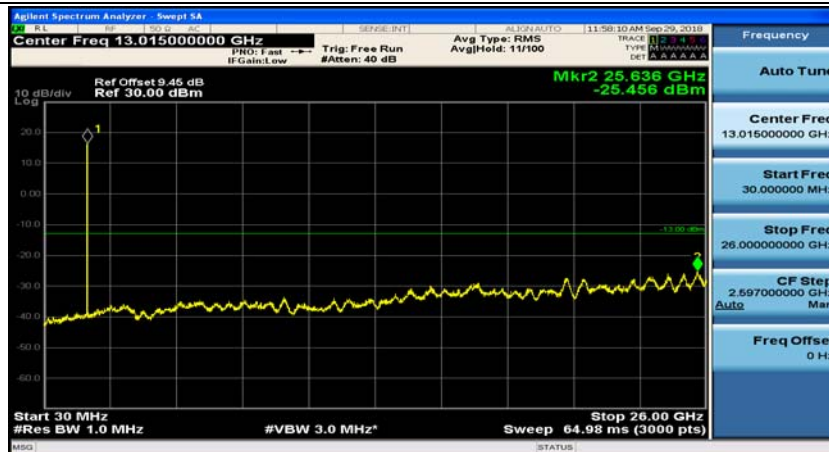
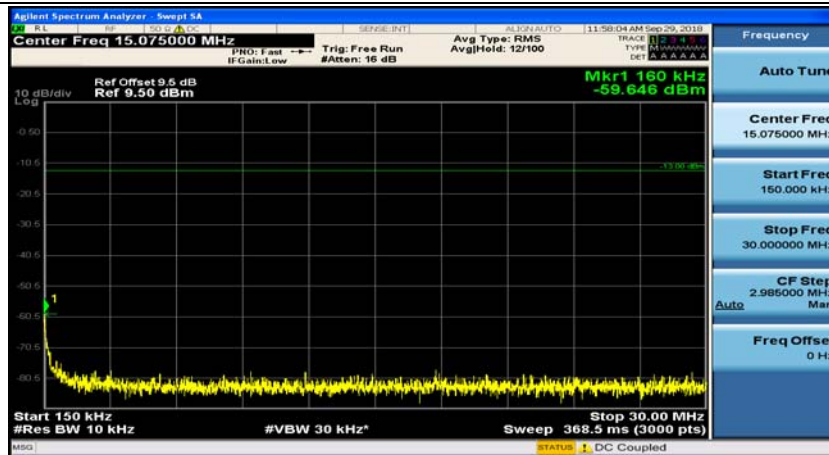
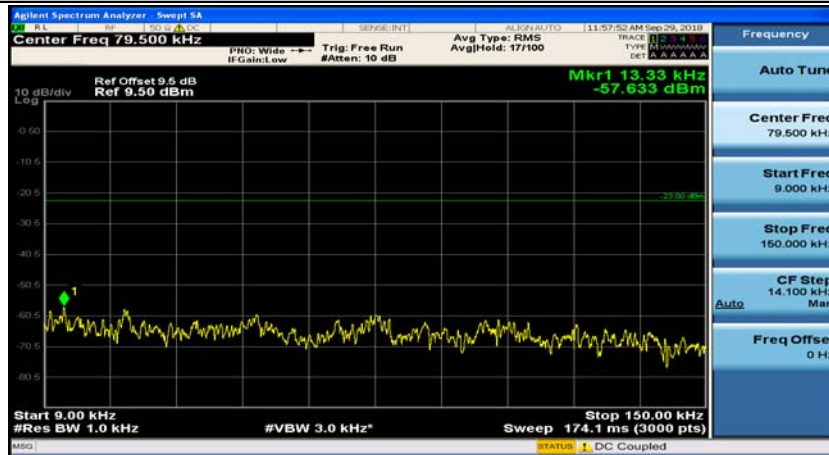


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

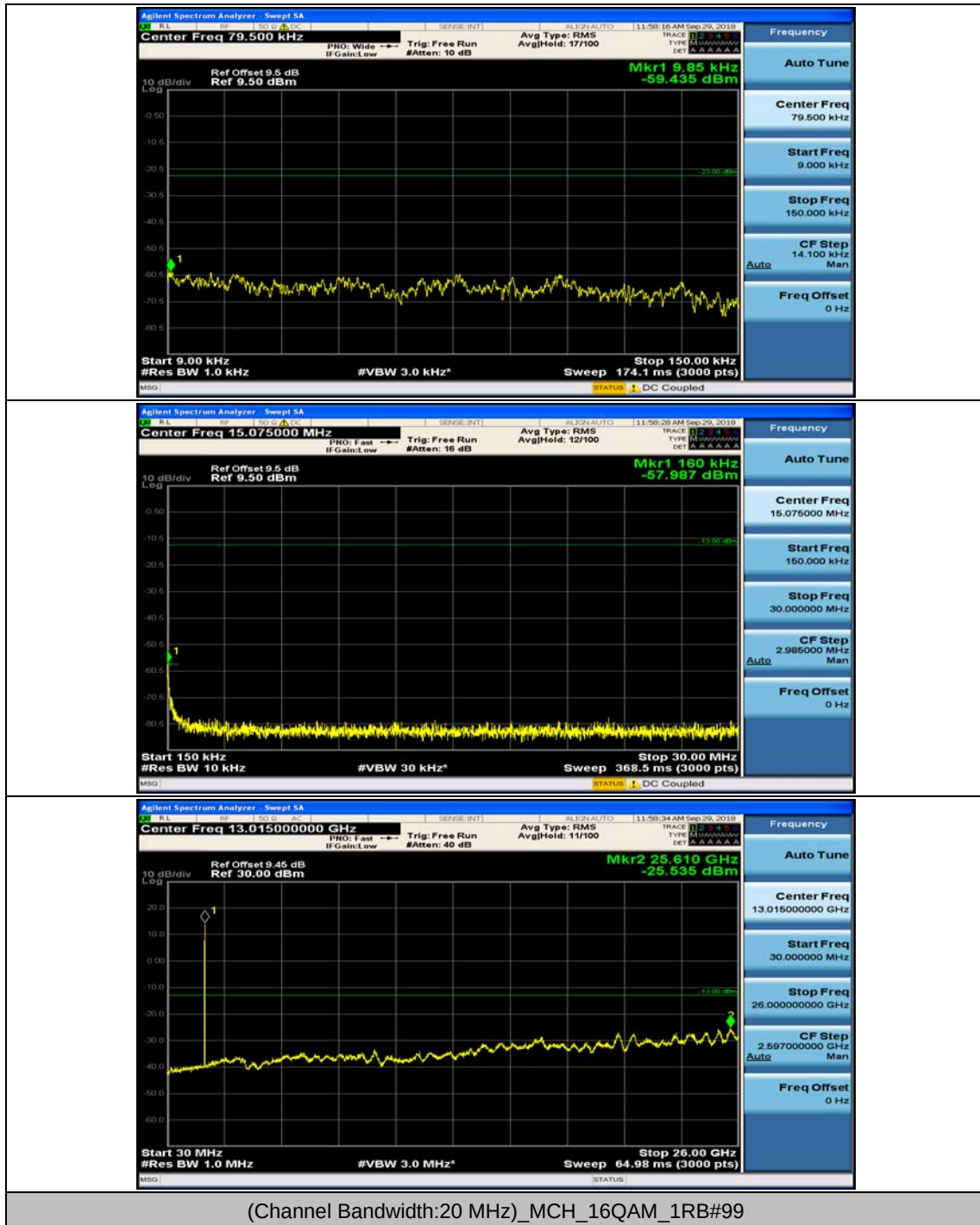


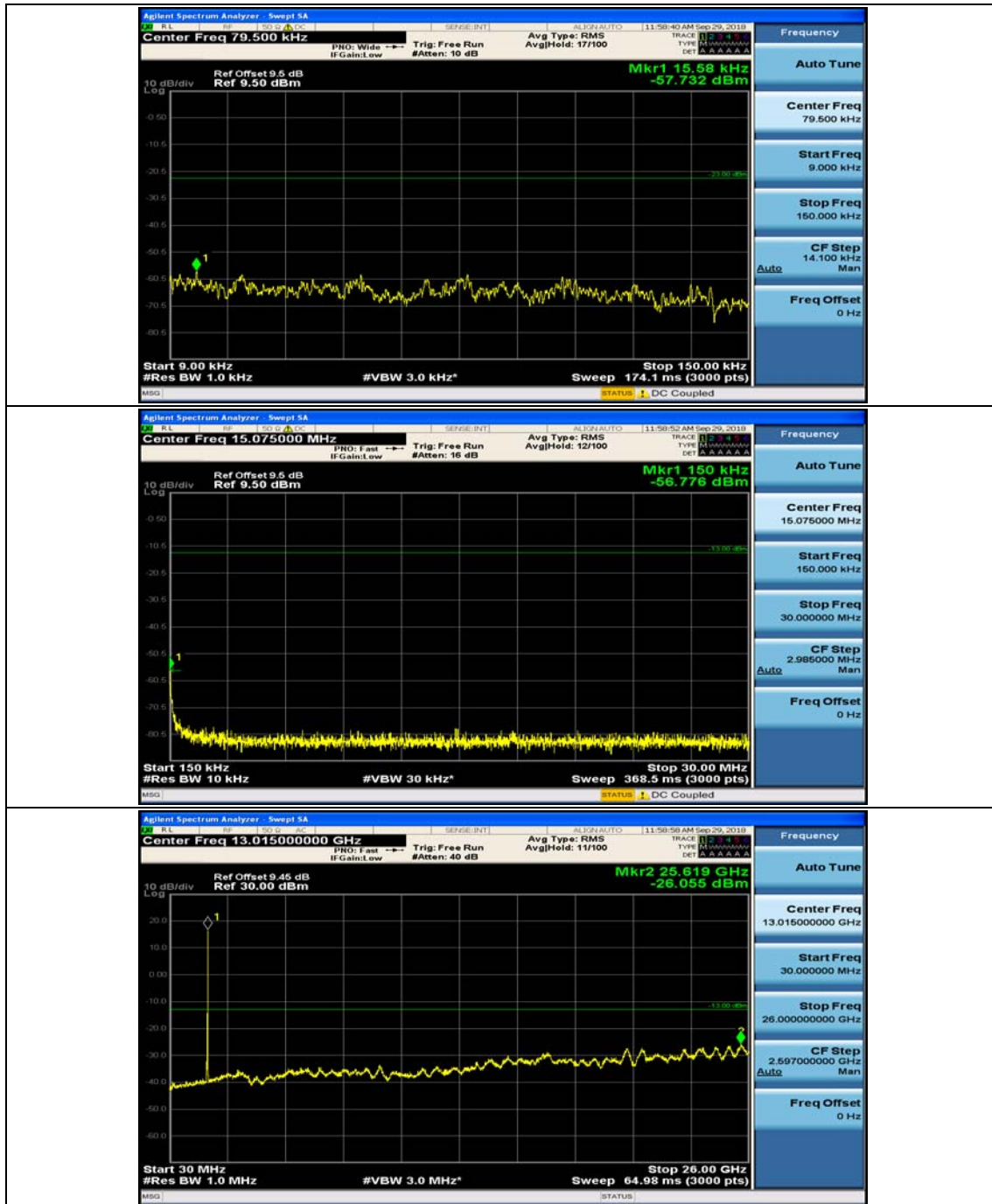


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

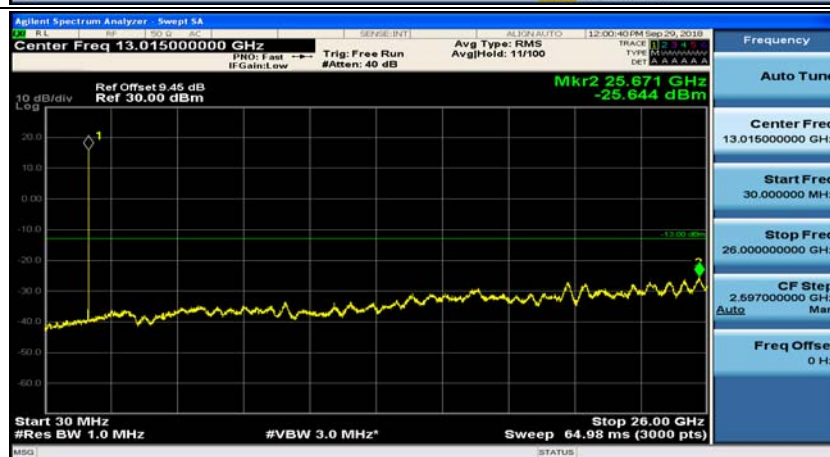
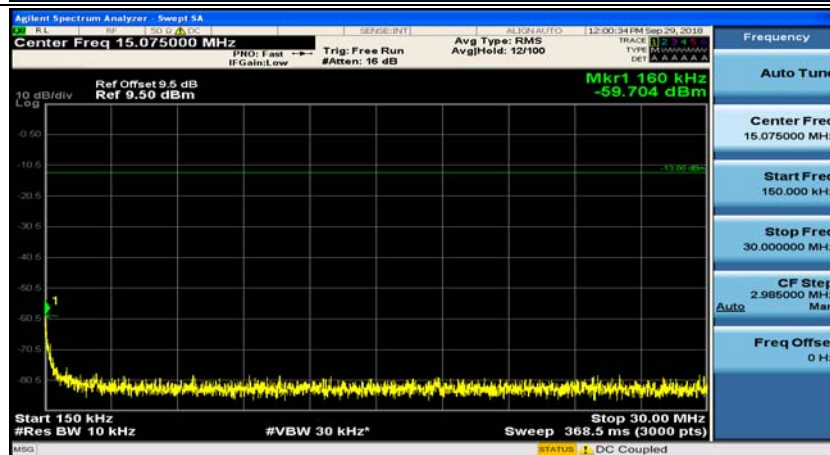
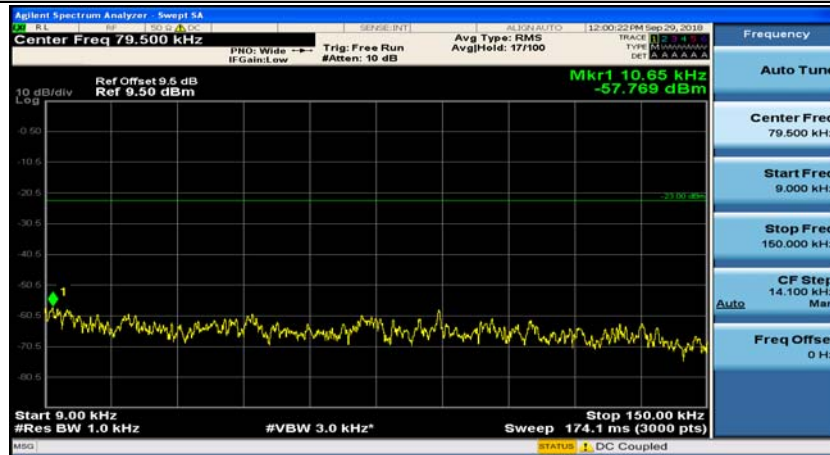


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

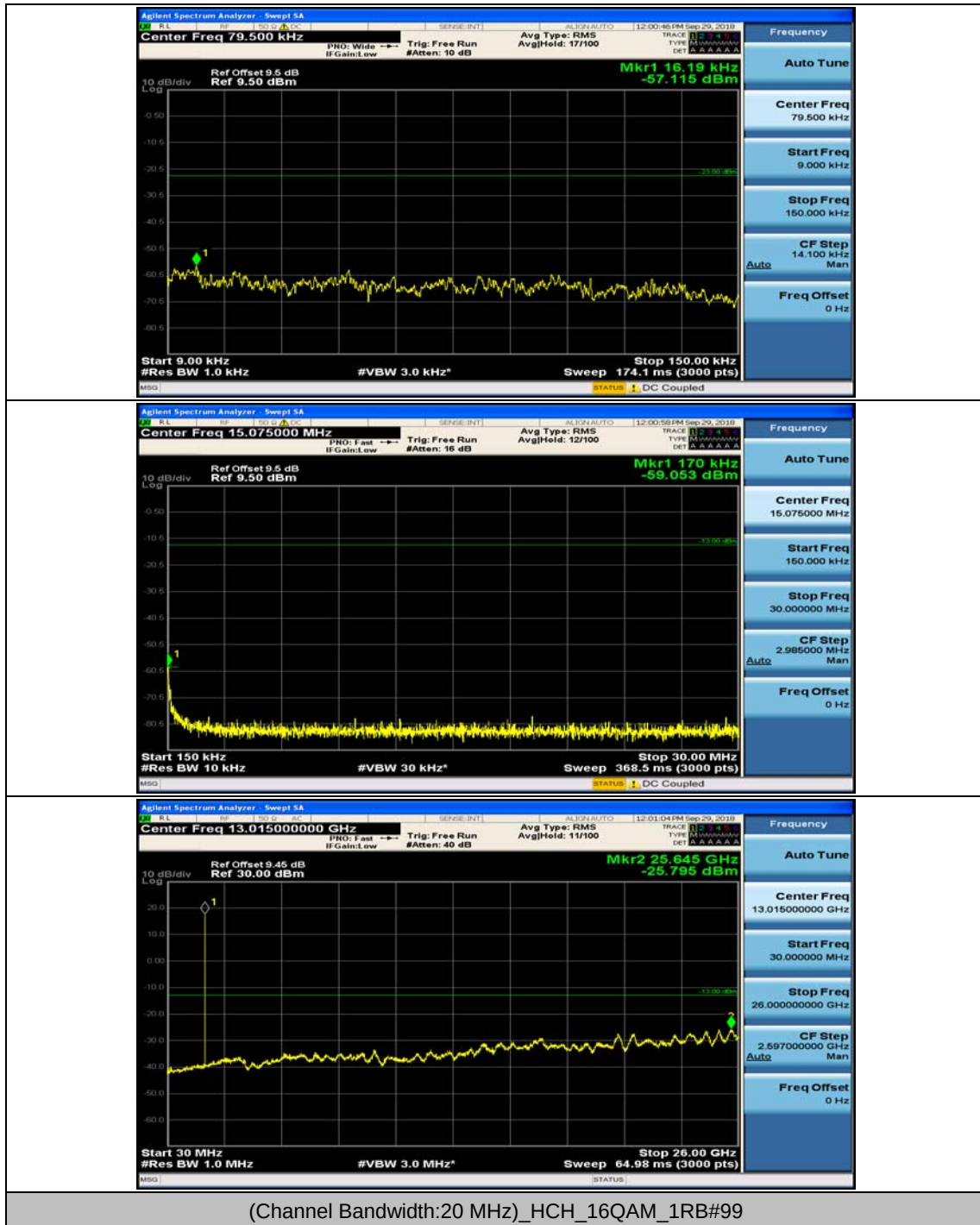


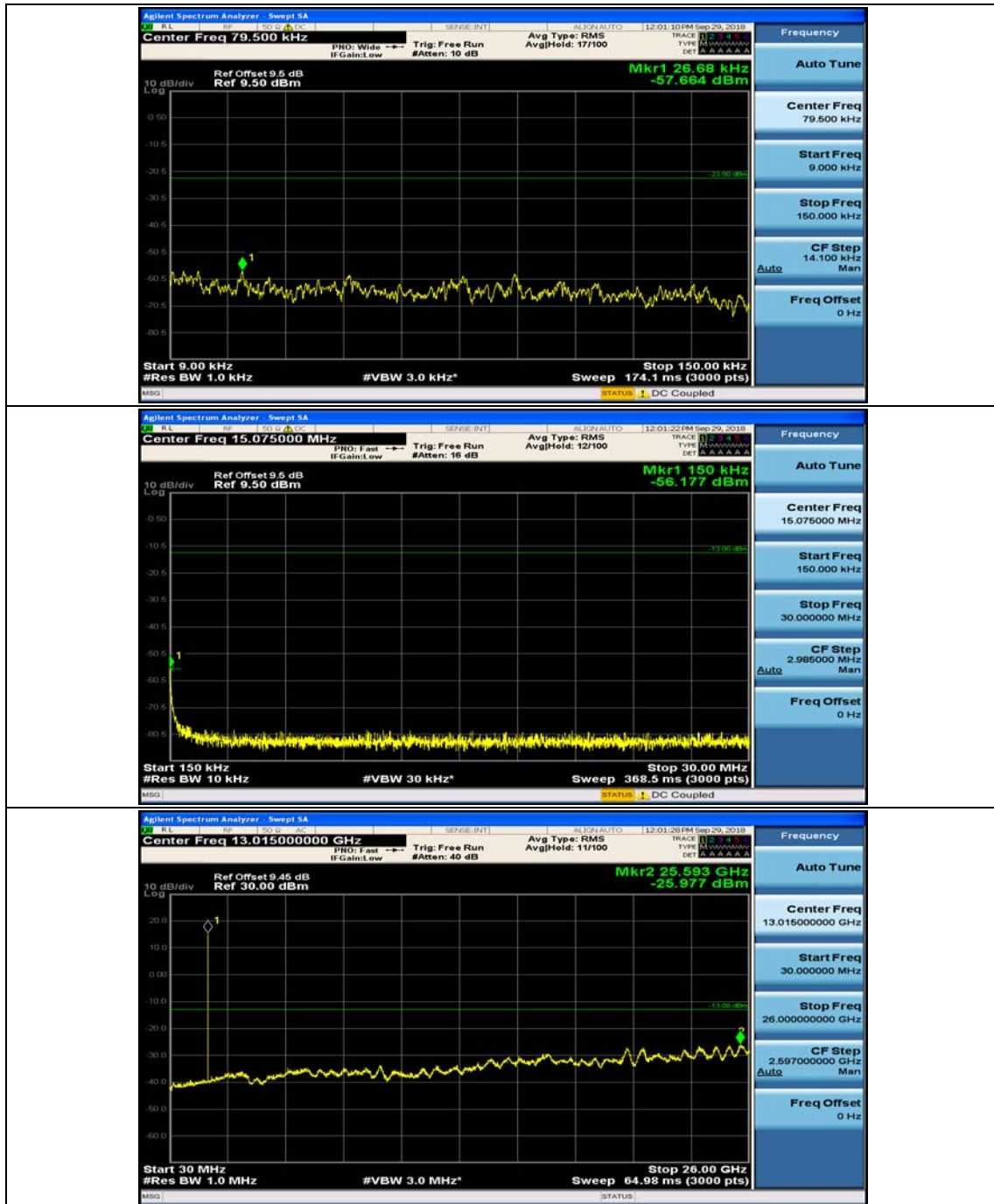


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-0.98	-0.000573	± 2.5	PASS
		VN	TN	2.73	0.001596	± 2.5	PASS
		VH	TN	-1.32	-0.000772	± 2.5	PASS
	MCH	VL	TN	1.69	0.000975	± 2.5	PASS
		VN	TN	0.15	0.000087	± 2.5	PASS
		VH	TN	1.78	0.001027	± 2.5	PASS
	HCH	VL	TN	-1.51	-0.000861	± 2.5	PASS
		VN	TN	3.06	0.001744	± 2.5	PASS
		VH	TN	0.61	0.000348	± 2.5	PASS
16QAM	LCH	VL	TN	1.71	0.001000	± 2.5	PASS
		VN	TN	-1.26	-0.000737	± 2.5	PASS
		VH	TN	2.49	0.001456	± 2.5	PASS
	MCH	VL	TN	-0.65	-0.000375	± 2.5	PASS
		VN	TN	2.28	0.001316	± 2.5	PASS
		VH	TN	-1.19	-0.000687	± 2.5	PASS
	HCH	VL	TN	0.67	0.000382	± 2.5	PASS
		VN	TN	-0.14	-0.000080	± 2.5	PASS
		VH	TN	3.03	0.001727	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.86	0.002256	± 2.5	PASS
		VN	-20	-1.89	-0.001105	± 2.5	PASS
		VN	-10	0.25	0.000146	± 2.5	PASS
		VN	0	4.16	0.002432	± 2.5	PASS
		VN	10	-0.73	-0.000427	± 2.5	PASS
		VN	20	-1.72	-0.001005	± 2.5	PASS
		VN	30	2.51	0.001467	± 2.5	PASS
		VN	40	-0.54	-0.000316	± 2.5	PASS
		VN	50	-0.84	-0.000491	± 2.5	PASS
	MCH	VN	-30	0.13	0.000075	± 2.5	PASS
		VN	-20	1.31	0.000756	± 2.5	PASS

		VN	-10	-0.31	-0.000179	± 2.5	PASS
		VN	0	-0.3	-0.000173	± 2.5	PASS
		VN	10	-0.23	-0.000133	± 2.5	PASS
		VN	20	-0.47	-0.000271	± 2.5	PASS
		VN	30	-1.14	-0.000658	± 2.5	PASS
		VN	40	1.85	0.001068	± 2.5	PASS
		VN	50	3.59	0.002072	± 2.5	PASS
	HCH	VN	-30	3.77	0.002149	± 2.5	PASS
		VN	-20	3.68	0.002098	± 2.5	PASS
		VN	-10	0.98	0.000559	± 2.5	PASS
		VN	0	-1.56	-0.000889	± 2.5	PASS
		VN	10	-0.49	-0.000279	± 2.5	PASS
		VN	20	3.8	0.002166	± 2.5	PASS
		VN	30	1.16	0.000661	± 2.5	PASS
		VN	40	0.43	0.000245	± 2.5	PASS
		VN	50	1.4	0.000798	± 2.5	PASS
16QAM	LCH	VN	-30	0.35	0.000205	± 2.5	PASS
		VN	-20	3.38	0.001976	± 2.5	PASS
		VN	-10	3.15	0.001841	± 2.5	PASS
		VN	0	2.36	0.001380	± 2.5	PASS
		VN	10	-1.9	-0.001111	± 2.5	PASS
		VN	20	3.69	0.002157	± 2.5	PASS
		VN	30	-1.31	-0.000766	± 2.5	PASS
		VN	40	3.14	0.001836	± 2.5	PASS
		VN	50	4.32	0.002525	± 2.5	PASS
	MCH	VN	-30	-1.58	-0.000901	± 2.5	PASS
		VN	-20	0.95	0.000542	± 2.5	PASS
		VN	-10	4.64	0.002645	± 2.5	PASS
		VN	0	2.91	0.001659	± 2.5	PASS
		VN	10	-0.47	-0.000268	± 2.5	PASS
		VN	20	4.54	0.002588	± 2.5	PASS
		VN	30	-1.26	-0.000718	± 2.5	PASS
		VN	40	0.94	0.000536	± 2.5	PASS
		VN	50	1.75	0.000998	± 2.5	PASS
	HCH	VN	-30	-0.07	-0.000040	± 2.5	PASS
		VN	-20	1.2	0.000684	± 2.5	PASS
		VN	-10	-0.14	-0.000080	± 2.5	PASS
		VN	0	2.76	0.001573	± 2.5	PASS
		VN	10	-1.1	-0.000627	± 2.5	PASS
		VN	20	3.32	0.001892	± 2.5	PASS
		VN	30	-1.19	-0.000678	± 2.5	PASS

		VN	40	1.87	0.001066	± 2.5	PASS
		VN	50	-1.24	-0.000707	± 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	2.21	0.001291	± 2.5	PASS
		VN	TN	3.9	0.002279	± 2.5	PASS
		VH	TN	-1.87	-0.001093	± 2.5	PASS
	MCH	VL	TN	0.06	0.000035	± 2.5	PASS
		VN	TN	3.73	0.002153	± 2.5	PASS
		VH	TN	4.4	0.002540	± 2.5	PASS
	HCH	VL	TN	1	0.000570	± 2.5	PASS
		VN	TN	-1.41	-0.000804	± 2.5	PASS
		VH	TN	3.31	0.001888	± 2.5	PASS
16QAM	LCH	VL	TN	4.28	0.002501	± 2.5	PASS
		VN	TN	-1.12	-0.000654	± 2.5	PASS
		VH	TN	0.47	0.000275	± 2.5	PASS
	MCH	VL	TN	-1.7	-0.000981	± 2.5	PASS
		VN	TN	1.51	0.000872	± 2.5	PASS
		VH	TN	3.08	0.001778	± 2.5	PASS
	HCH	VL	TN	4.6	0.002623	± 2.5	PASS
		VN	TN	2.89	0.001648	± 2.5	PASS
		VH	TN	4.31	0.002458	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.85	0.002249	± 2.5	PASS
		VN	-20	-0.69	-0.000403	± 2.5	PASS
		VN	-10	2.75	0.001607	± 2.5	PASS
		VN	0	-1.57	-0.000917	± 2.5	PASS
		VN	10	0.14	0.000082	± 2.5	PASS
		VN	20	0.63	0.000368	± 2.5	PASS
		VN	30	2.29	0.001338	± 2.5	PASS
		VN	40	1.72	0.001005	± 2.5	PASS
		VN	50	-1.24	-0.000725	± 2.5	PASS
	MCH	VN	-30	0.57	0.000329	± 2.5	PASS
		VN	-20	0.48	0.000277	± 2.5	PASS
		VN	-10	1.26	0.000727	± 2.5	PASS

		VN	0	4.77	0.002753	± 2.5	PASS
		VN	10	-1.33	-0.000768	± 2.5	PASS
		VN	20	-0.89	-0.000514	± 2.5	PASS
		VN	30	-0.35	-0.000202	± 2.5	PASS
		VN	40	3.51	0.002026	± 2.5	PASS
		VN	50	2.93	0.001691	± 2.5	PASS
	HCH	VN	-30	-0.8	-0.000456	± 2.5	PASS
		VN	-20	1.5	0.000855	± 2.5	PASS
		VN	-10	1.3	0.000741	± 2.5	PASS
		VN	0	-1.58	-0.000901	± 2.5	PASS
		VN	10	-1.51	-0.000861	± 2.5	PASS
		VN	20	0.33	0.000188	± 2.5	PASS
		VN	30	4.67	0.002663	± 2.5	PASS
		VN	40	3.83	0.002184	± 2.5	PASS
		VN	50	3.34	0.001905	± 2.5	PASS
16QAM	LCH	VN	-30	4.94	0.002851	± 2.5	PASS
		VN	-20	3.76	0.002170	± 2.5	PASS
		VN	-10	2.45	0.001414	± 2.5	PASS
		VN	0	-0.6	-0.000346	± 2.5	PASS
		VN	10	3.16	0.001824	± 2.5	PASS
		VN	20	2.86	0.001651	± 2.5	PASS
		VN	30	0.83	0.000479	± 2.5	PASS
		VN	40	-1	-0.000577	± 2.5	PASS
		VN	50	3.59	0.002072	± 2.5	PASS
	MCH	VN	-30	4.2	0.002395	± 2.5	PASS
		VN	-20	1.06	0.000605	± 2.5	PASS
		VN	-10	-0.7	-0.000399	± 2.5	PASS
		VN	0	2.02	0.001152	± 2.5	PASS
		VN	10	2.51	0.001431	± 2.5	PASS
		VN	20	1.24	0.000707	± 2.5	PASS
		VN	30	-0.61	-0.000348	± 2.5	PASS
		VN	40	3.41	0.001945	± 2.5	PASS
		VN	50	2.52	0.001437	± 2.5	PASS
	HCH	VN	-30	3.96	0.002258	± 2.5	PASS
		VN	-20	3.87	0.002207	± 2.5	PASS
		VN	-10	4.52	0.002578	± 2.5	PASS
		VN	0	0.67	0.000382	± 2.5	PASS
		VN	10	2.06	0.001175	± 2.5	PASS
		VN	20	1.66	0.000947	± 2.5	PASS
		VN	30	-0.6	-0.000342	± 2.5	PASS
		VN	40	1.36	0.000776	± 2.5	PASS

		VN	50	1.05	0.000599	± 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	4.34	0.002534	± 2.5	PASS
		VN	TN	0.18	0.000105	± 2.5	PASS
		VH	TN	3.91	0.002283	± 2.5	PASS
	MCH	VL	TN	4.04	0.002332	± 2.5	PASS
		VN	TN	-0.07	-0.000040	± 2.5	PASS
		VH	TN	0.46	0.000266	± 2.5	PASS
	HCH	VL	TN	-1.14	-0.000650	± 2.5	PASS
		VN	TN	1.79	0.001021	± 2.5	PASS
		VH	TN	3.92	0.002237	± 2.5	PASS
16QAM	LCH	VL	TN	1.05	0.000613	± 2.5	PASS
		VN	TN	0.15	0.000088	± 2.5	PASS
		VH	TN	0.93	0.000543	± 2.5	PASS
	MCH	VL	TN	-1.18	-0.000681	± 2.5	PASS
		VN	TN	4.69	0.002707	± 2.5	PASS
		VH	TN	-0.3	-0.000173	± 2.5	PASS
	HCH	VL	TN	-0.33	-0.000188	± 2.5	PASS
		VN	TN	-0.4	-0.000228	± 2.5	PASS
		VH	TN	1.08	0.000616	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.38	0.000806	± 2.5	PASS
		VN	-20	2.93	0.001711	± 2.5	PASS
		VN	-10	3.54	0.002067	± 2.5	PASS
		VN	0	-1.91	-0.001115	± 2.5	PASS
		VN	10	-1.57	-0.000917	± 2.5	PASS
		VN	20	0.9	0.000526	± 2.5	PASS
		VN	30	4.83	0.002820	± 2.5	PASS
		VN	40	4.85	0.002832	± 2.5	PASS
		VN	50	1.06	0.000619	± 2.5	PASS
	MCH	VN	-30	-0.37	-0.000214	± 2.5	PASS
		VN	-20	1.04	0.000600	± 2.5	PASS
		VN	-10	0.2	0.000115	± 2.5	PASS
		VN	0	-0.71	-0.000410	± 2.5	PASS

		VN	10	3.08	0.001778	± 2.5	PASS
		VN	20	4.39	0.002534	± 2.5	PASS
		VN	30	-1.06	-0.000612	± 2.5	PASS
		VN	40	-1.14	-0.000658	± 2.5	PASS
		VN	50	-0.77	-0.000444	± 2.5	PASS
	HCH	VN	-30	-1.49	-0.000850	± 2.5	PASS
		VN	-20	2.7	0.001415	± 2.5	PASS
		VN	-10	-1.27	-0.000666	± 2.5	PASS
		VN	0	-1.48	-0.000776	± 2.5	PASS
		VN	10	2.38	0.001248	± 2.5	PASS
		VN	20	1.84	0.000965	± 2.5	PASS
		VN	30	-1.18	-0.000619	± 2.5	PASS
		VN	40	1.68	0.000881	± 2.5	PASS
		VN	50	-0.03	-0.000016	± 2.5	PASS
		VN	-30	3.34	0.001928	± 2.5	PASS
16QAM	LCH	VN	-20	2.12	0.001224	± 2.5	PASS
		VN	-10	1.75	0.001010	± 2.5	PASS
		VN	0	2.59	0.001495	± 2.5	PASS
		VN	10	3.12	0.001801	± 2.5	PASS
		VN	20	2.3	0.001328	± 2.5	PASS
		VN	30	0.19	0.000110	± 2.5	PASS
		VN	40	3.09	0.001784	± 2.5	PASS
		VN	50	-1.83	-0.001056	± 2.5	PASS
	MCH	VN	-30	-0.13	-0.000074	± 2.5	PASS
		VN	-20	1.61	0.000919	± 2.5	PASS
		VN	-10	-0.26	-0.000148	± 2.5	PASS
		VN	0	-1.13	-0.000645	± 2.5	PASS
		VN	10	3.85	0.002197	± 2.5	PASS
		VN	20	3.95	0.002254	± 2.5	PASS
		VN	30	3.03	0.001729	± 2.5	PASS
		VN	40	0.36	0.000205	± 2.5	PASS
		VN	50	0.27	0.000154	± 2.5	PASS
	HCH	VN	-30	2.36	0.001237	± 2.5	PASS
		VN	-20	2.48	0.001300	± 2.5	PASS
		VN	-10	-0.71	-0.000372	± 2.5	PASS
		VN	0	0.33	0.000173	± 2.5	PASS
		VN	10	2.6	0.001363	± 2.5	PASS
		VN	20	-0.46	-0.000241	± 2.5	PASS
		VN	30	3.72	0.001950	± 2.5	PASS
		VN	40	3.88	0.002034	± 2.5	PASS
		VN	50	2.98	0.001562	± 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	-0.35	-0.000204	± 2.5	PASS
		VN	TN	-1.9	-0.001108	± 2.5	PASS
		VH	TN	-0.86	-0.000501	± 2.5	PASS
	MCH	VL	TN	0.11	0.000063	± 2.5	PASS
		VN	TN	3.29	0.001899	± 2.5	PASS
		VH	TN	1	0.000577	± 2.5	PASS
	HCH	VL	TN	2.86	0.001634	± 2.5	PASS
		VN	TN	2.23	0.001274	± 2.5	PASS
		VH	TN	-1.91	-0.001091	± 2.5	PASS
16QAM	LCH	VL	TN	-0.67	-0.000391	± 2.5	PASS
		VN	TN	1.11	0.000647	± 2.5	PASS
		VH	TN	-0.75	-0.000437	± 2.5	PASS
	MCH	VL	TN	3.15	0.001818	± 2.5	PASS
		VN	TN	4.41	0.002545	± 2.5	PASS
		VH	TN	4.89	0.002823	± 2.5	PASS
	HCH	VL	TN	3.68	0.002103	± 2.5	PASS
		VN	TN	0.44	0.000251	± 2.5	PASS
		VH	TN	-1.12	-0.000640	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-0.65	-0.000379	± 2.5	PASS
		VN	-20	3.28	0.001913	± 2.5	PASS
		VN	-10	1.12	0.000653	± 2.5	PASS
		VN	0	4.49	0.002618	± 2.5	PASS
		VN	10	-1.67	-0.000974	± 2.5	PASS
		VN	20	0.92	0.000536	± 2.5	PASS
		VN	30	4.1	0.002391	± 2.5	PASS
		VN	40	0.18	0.000105	± 2.5	PASS
		VN	50	0.05	0.000029	± 2.5	PASS
	MCH	VN	-30	0.56	0.000323	± 2.5	PASS
		VN	-20	2.81	0.001622	± 2.5	PASS
		VN	-10	2.92	0.001685	± 2.5	PASS
		VN	0	2.51	0.001449	± 2.5	PASS
		VN	10	-1.11	-0.000641	± 2.5	PASS
		VN	20	4.68	0.002701	± 2.5	PASS

		VN	30	0.81	0.000468	± 2.5	PASS
		VN	40	2.29	0.001322	± 2.5	PASS
		VN	50	-0.78	-0.000450	± 2.5	PASS
	HCH	VN	-30	-0.93	-0.000531	± 2.5	PASS
		VN	-20	4.12	0.002354	± 2.5	PASS
		VN	-10	4.28	0.002446	± 2.5	PASS
		VN	0	-0.19	-0.000109	± 2.5	PASS
		VN	10	-0.35	-0.000200	± 2.5	PASS
		VN	20	1.03	0.000589	± 2.5	PASS
		VN	30	3.88	0.002217	± 2.5	PASS
		VN	40	1.95	0.001114	± 2.5	PASS
		VN	50	3.27	0.001869	± 2.5	PASS
QPSK	LCH	VN	-30	1.63	0.000941	± 2.5	PASS
		VN	-20	4.83	0.002788	± 2.5	PASS
		VN	-10	3.75	0.002165	± 2.5	PASS
		VN	0	0.22	0.000127	± 2.5	PASS
		VN	10	4.83	0.002788	± 2.5	PASS
		VN	20	-0.89	-0.000514	± 2.5	PASS
		VN	30	4.57	0.002638	± 2.5	PASS
		VN	40	2.74	0.001582	± 2.5	PASS
		VN	50	-1.04	-0.000600	± 2.5	PASS
	MCH	VN	-30	-1.83	-0.001046	± 2.5	PASS
		VN	-20	2.69	0.001537	± 2.5	PASS
		VN	-10	1.45	0.000829	± 2.5	PASS
		VN	0	4.45	0.002543	± 2.5	PASS
		VN	10	3.13	0.001789	± 2.5	PASS
		VN	20	4.7	0.002686	± 2.5	PASS
		VN	30	2.06	0.001177	± 2.5	PASS
		VN	40	3.63	0.002074	± 2.5	PASS
		VN	50	3.83	0.002189	± 2.5	PASS
	HCH	VN	-30	4.27	0.002440	± 2.5	PASS
		VN	-20	2.14	0.001223	± 2.5	PASS
		VN	-10	4.49	0.002566	± 2.5	PASS
		VN	0	0.33	0.000189	± 2.5	PASS
		VN	10	1.35	0.000771	± 2.5	PASS
		VN	20	0.97	0.000554	± 2.5	PASS
		VN	30	0.74	0.000423	± 2.5	PASS
		VN	40	2.94	0.001680	± 2.5	PASS
		VN	50	3.32	0.001897	± 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	1.85	0.001077	± 2.5	PASS
		VN	TN	3.86	0.002247	± 2.5	PASS
		VH	TN	2.21	0.001287	± 2.5	PASS
	MCH	VL	TN	1.03	0.000595	± 2.5	PASS
		VN	TN	0.62	0.000358	± 2.5	PASS
		VH	TN	-1.33	-0.000768	± 2.5	PASS
	HCH	VL	TN	3.71	0.002123	± 2.5	PASS
		VN	TN	-0.98	-0.000561	± 2.5	PASS
		VH	TN	1.34	0.000767	± 2.5	PASS
16QAM	LCH	VL	TN	0.23	0.000134	± 2.5	PASS
		VN	TN	2.01	0.001170	± 2.5	PASS
		VH	TN	4.52	0.002632	± 2.5	PASS
	MCH	VL	TN	2.11	0.001218	± 2.5	PASS
		VN	TN	2.57	0.001483	± 2.5	PASS
		VH	TN	0.36	0.000208	± 2.5	PASS
	HCH	VL	TN	3.32	0.001900	± 2.5	PASS
		VN	TN	-1.78	-0.001019	± 2.5	PASS
		VH	TN	-0.46	-0.000263	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.38	-0.000221	± 2.5	PASS
		VN	-20	3.93	0.002288	± 2.5	PASS
		VN	-10	2.41	0.001403	± 2.5	PASS
		VN	0	-0.8	-0.000466	± 2.5	PASS
		VN	10	4.96	0.002888	± 2.5	PASS
		VN	20	4.4	0.002562	± 2.5	PASS
		VN	30	1.97	0.001147	± 2.5	PASS
		VN	40	1.28	0.000745	± 2.5	PASS
		VN	50	2	0.001164	± 2.5	PASS
	MCH	VN	-30	3.15	0.001818	± 2.5	PASS
		VN	-20	2.85	0.001645	± 2.5	PASS
		VN	-10	3.55	0.002049	± 2.5	PASS
		VN	0	-1.88	-0.001085	± 2.5	PASS
		VN	10	4.89	0.002823	± 2.5	PASS
		VN	20	-1.51	-0.000872	± 2.5	PASS

		VN	30	3.14	0.001812	± 2.5	PASS
		VN	40	-1.92	-0.001108	± 2.5	PASS
		VN	50	3.1	0.001789	± 2.5	PASS
	HCH	VN	-30	-1.78	-0.001019	± 2.5	PASS
		VN	-20	4.39	0.002512	± 2.5	PASS
		VN	-10	4.98	0.002850	± 2.5	PASS
		VN	0	3.9	0.002232	± 2.5	PASS
		VN	10	-0.15	-0.000086	± 2.5	PASS
		VN	20	2.94	0.001682	± 2.5	PASS
		VN	30	3.12	0.001785	± 2.5	PASS
		VN	40	0.48	0.000275	± 2.5	PASS
		VN	50	0.15	0.000086	± 2.5	PASS
16QAM	LCH	VN	-30	-0.26	-0.000150	± 2.5	PASS
		VN	-20	-1.84	-0.001062	± 2.5	PASS
		VN	-10	-1.68	-0.000970	± 2.5	PASS
		VN	0	-1.35	-0.000779	± 2.5	PASS
		VN	10	1.51	0.000872	± 2.5	PASS
		VN	20	3.52	0.002032	± 2.5	PASS
		VN	30	0.16	0.000092	± 2.5	PASS
		VN	40	3.11	0.001795	± 2.5	PASS
		VN	50	3.94	0.002274	± 2.5	PASS
	MCH	VN	-30	-1.7	-0.000973	± 2.5	PASS
		VN	-20	-0.9	-0.000515	± 2.5	PASS
		VN	-10	4.41	0.002524	± 2.5	PASS
		VN	0	0.21	0.000120	± 2.5	PASS
		VN	10	3.04	0.001740	± 2.5	PASS
		VN	20	1.08	0.000618	± 2.5	PASS
		VN	30	0.79	0.000452	± 2.5	PASS
		VN	40	-0.73	-0.000418	± 2.5	PASS
		VN	50	3.23	0.001848	± 2.5	PASS
	HCH	VN	-30	1.38	0.000790	± 2.5	PASS
		VN	-20	-1.01	-0.000578	± 2.5	PASS
		VN	-10	-1.38	-0.000790	± 2.5	PASS
		VN	0	0.02	0.000011	± 2.5	PASS
		VN	10	-0.75	-0.000429	± 2.5	PASS
		VN	20	2.47	0.001413	± 2.5	PASS
		VN	30	4.21	0.002409	± 2.5	PASS
		VN	40	2.55	0.001459	± 2.5	PASS
		VN	50	4.57	0.002615	± 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	0.51	0.000297	± 2.5	PASS
		VN	TN	-0.39	-0.000227	± 2.5	PASS
		VH	TN	0.36	0.000209	± 2.5	PASS
	MCH	VL	TN	1.67	0.000964	± 2.5	PASS
		VN	TN	0.25	0.000144	± 2.5	PASS
		VH	TN	0.58	0.000335	± 2.5	PASS
	HCH	VL	TN	3.73	0.002138	± 2.5	PASS
		VN	TN	-1.2	-0.000688	± 2.5	PASS
		VH	TN	1.33	0.000762	± 2.5	PASS
16QAM	LCH	VL	TN	0.14	0.000081	± 2.5	PASS
		VN	TN	-1.74	-0.001012	± 2.5	PASS
		VH	TN	4.28	0.002488	± 2.5	PASS
	MCH	VL	TN	-0.12	-0.000069	± 2.5	PASS
		VN	TN	-1.7	-0.000981	± 2.5	PASS
		VH	TN	3.02	0.001743	± 2.5	PASS
	HCH	VL	TN	-0.12	-0.000069	± 2.5	PASS
		VN	TN	1.09	0.000625	± 2.5	PASS
		VH	TN	-0.35	-0.000201	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.59	0.000924	± 2.5	PASS
		VN	-20	-0.61	-0.000355	± 2.5	PASS
		VN	-10	1.51	0.000878	± 2.5	PASS
		VN	0	3.21	0.001866	± 2.5	PASS
		VN	10	1.54	0.000895	± 2.5	PASS
		VN	20	4.45	0.002587	± 2.5	PASS
		VN	30	3.53	0.002052	± 2.5	PASS
		VN	40	0.9	0.000523	± 2.5	PASS
		VN	50	3.52	0.002047	± 2.5	PASS
	MCH	VN	-30	1.77	0.001022	± 2.5	PASS
		VN	-20	-1.75	-0.001010	± 2.5	PASS
		VN	-10	-1.75	-0.001010	± 2.5	PASS
		VN	0	-1.28	-0.000739	± 2.5	PASS
		VN	10	-1.19	-0.000687	± 2.5	PASS
		VN	20	4.23	0.002442	± 2.5	PASS

		VN	30	-1.24	-0.000716	± 2.5	PASS
		VN	40	2.71	0.001564	± 2.5	PASS
		VN	50	3.03	0.001749	± 2.5	PASS
	HCH	VN	-30	0.26	0.000149	± 2.5	PASS
		VN	-20	4.94	0.002831	± 2.5	PASS
		VN	-10	3.86	0.002212	± 2.5	PASS
		VN	0	-0.18	-0.000103	± 2.5	PASS
		VN	10	1.37	0.000785	± 2.5	PASS
		VN	20	-1.05	-0.000602	± 2.5	PASS
		VN	30	0.28	0.000160	± 2.5	PASS
		VN	40	1.69	0.000968	± 2.5	PASS
		VN	50	2.97	0.001702	± 2.5	PASS
16QAM	LCH	VN	-30	-0.42	-0.000242	± 2.5	PASS
		VN	-20	3.81	0.002199	± 2.5	PASS
		VN	-10	2.08	0.001201	± 2.5	PASS
		VN	0	-1.71	-0.000987	± 2.5	PASS
		VN	10	2.77	0.001599	± 2.5	PASS
		VN	20	2.8	0.001616	± 2.5	PASS
		VN	30	1.22	0.000704	± 2.5	PASS
		VN	40	0.98	0.000566	± 2.5	PASS
		VN	50	0.8	0.000462	± 2.5	PASS
	MCH	VN	-30	-1.29	-0.000739	± 2.5	PASS
		VN	-20	1.86	0.001066	± 2.5	PASS
		VN	-10	-1.39	-0.000797	± 2.5	PASS
		VN	0	0.47	0.000269	± 2.5	PASS
		VN	10	0.94	0.000539	± 2.5	PASS
		VN	20	0.47	0.000269	± 2.5	PASS
		VN	30	-0.69	-0.000395	± 2.5	PASS
		VN	40	0.04	0.000023	± 2.5	PASS
		VN	50	3.44	0.001971	± 2.5	PASS
	HCH	VN	-30	0.13	0.000074	± 2.5	PASS
		VN	-20	3.53	0.002023	± 2.5	PASS
		VN	-10	0.54	0.000309	± 2.5	PASS
		VN	0	-1.08	-0.000619	± 2.5	PASS
		VN	10	-0.46	-0.000264	± 2.5	PASS
		VN	20	1.98	0.001135	± 2.5	PASS
		VN	30	3.2	0.001834	± 2.5	PASS
		VN	40	1.03	0.000590	± 2.5	PASS
		VN	50	-1.87	-0.001072	± 2.5	PASS