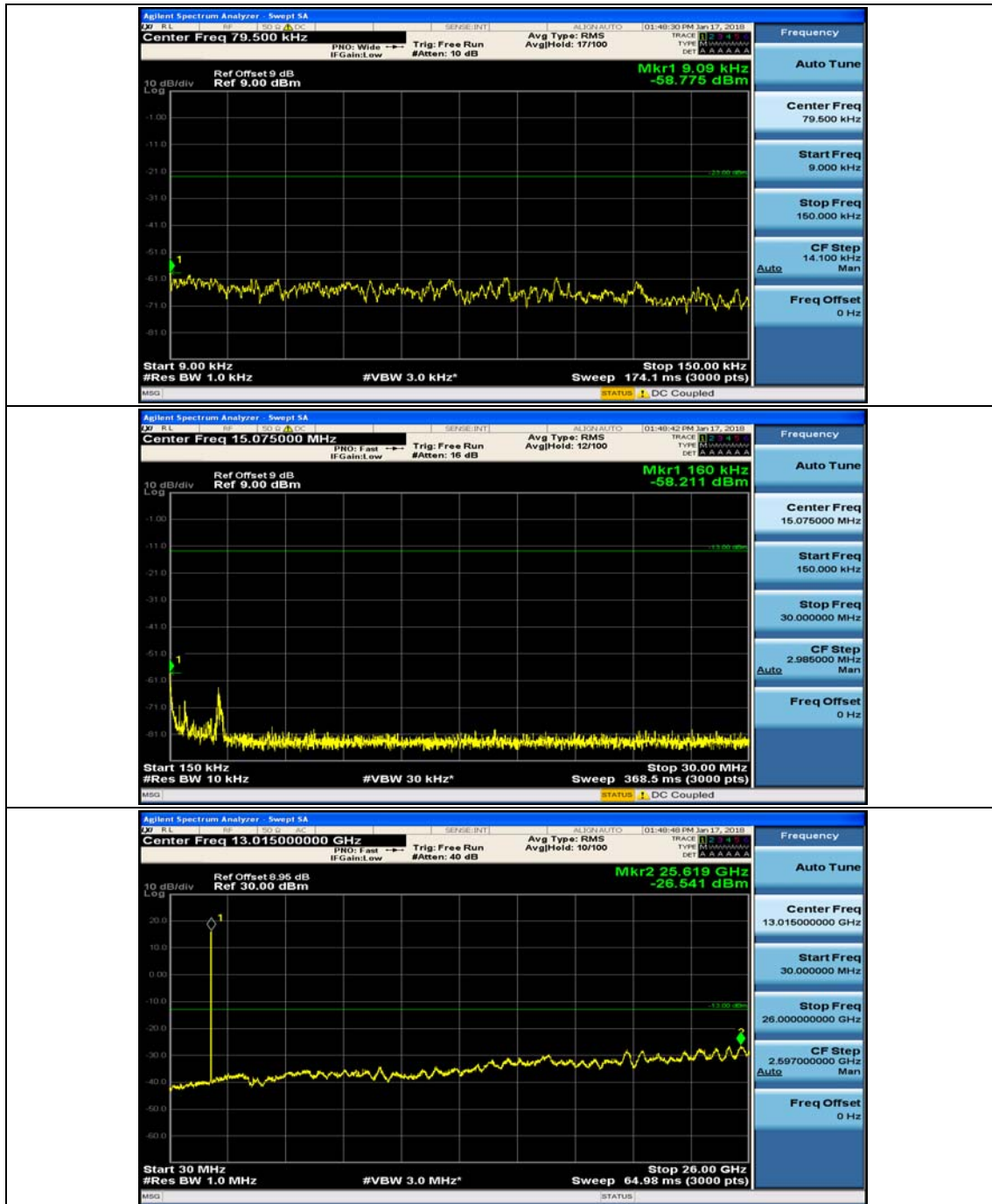
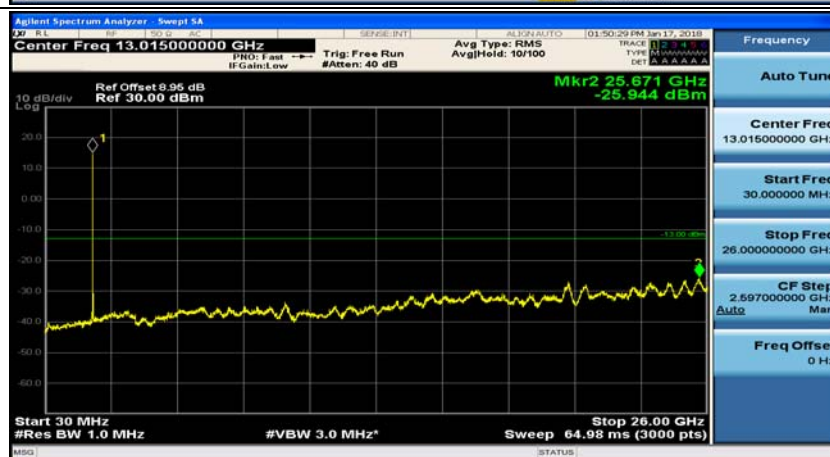
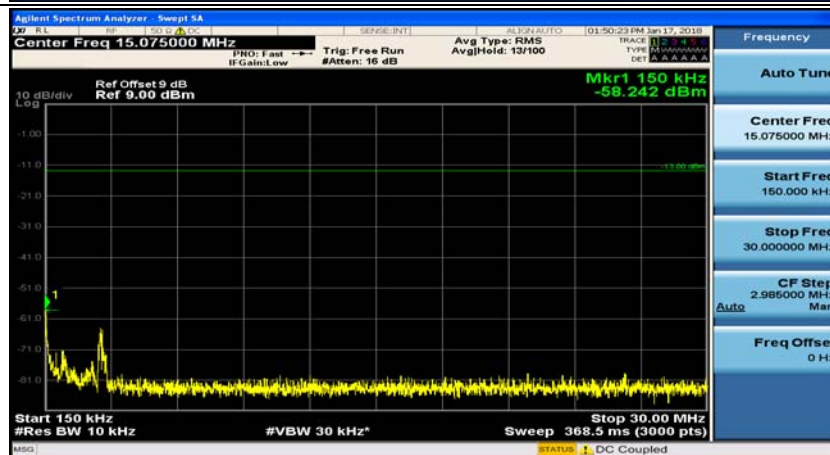
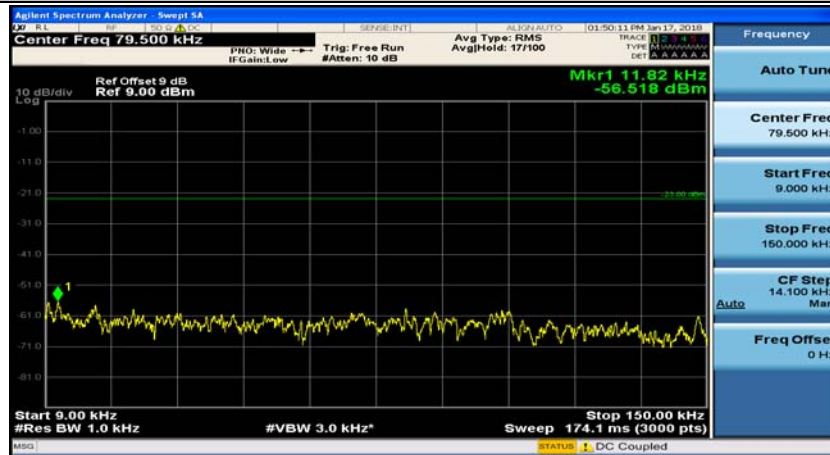
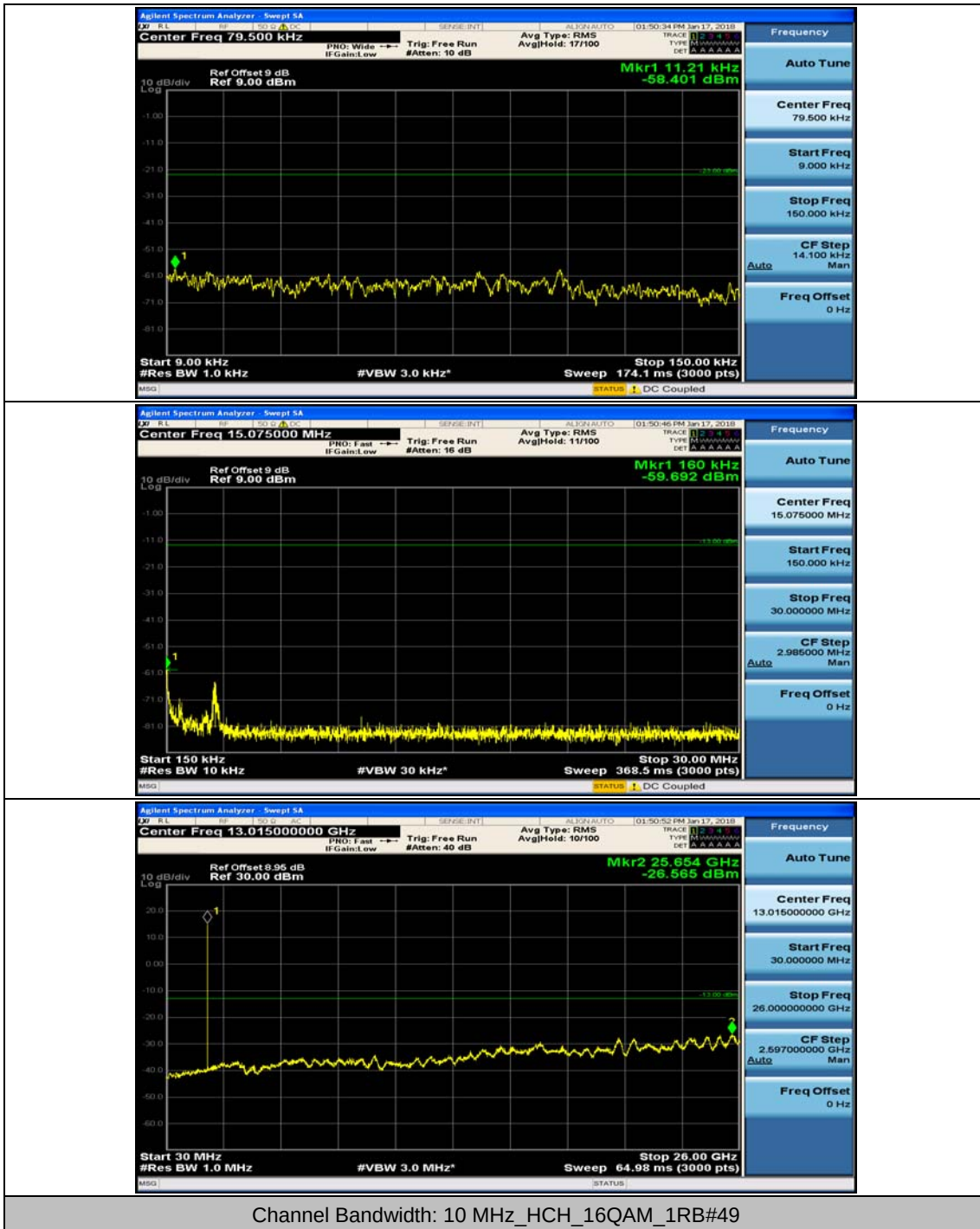


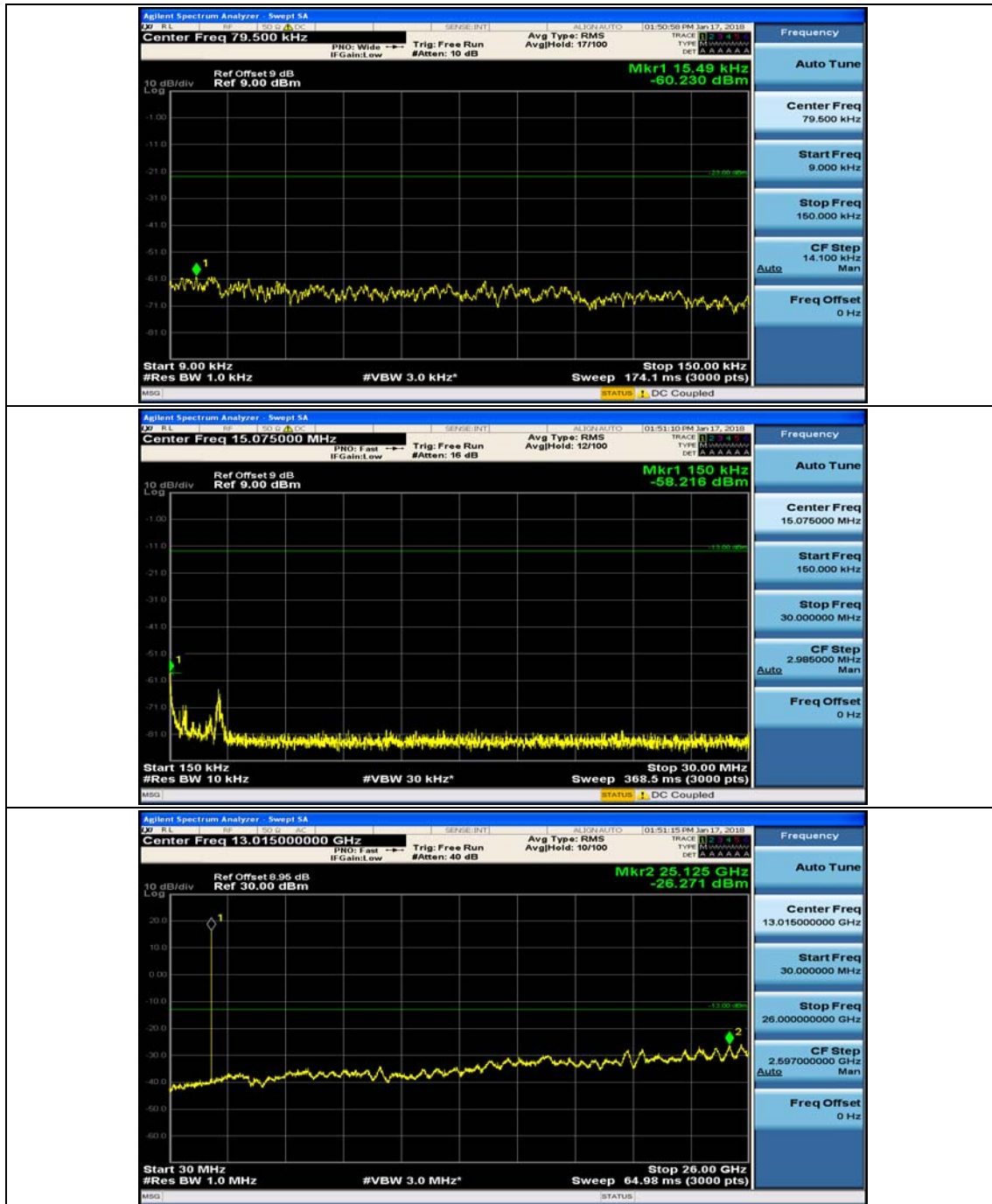


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

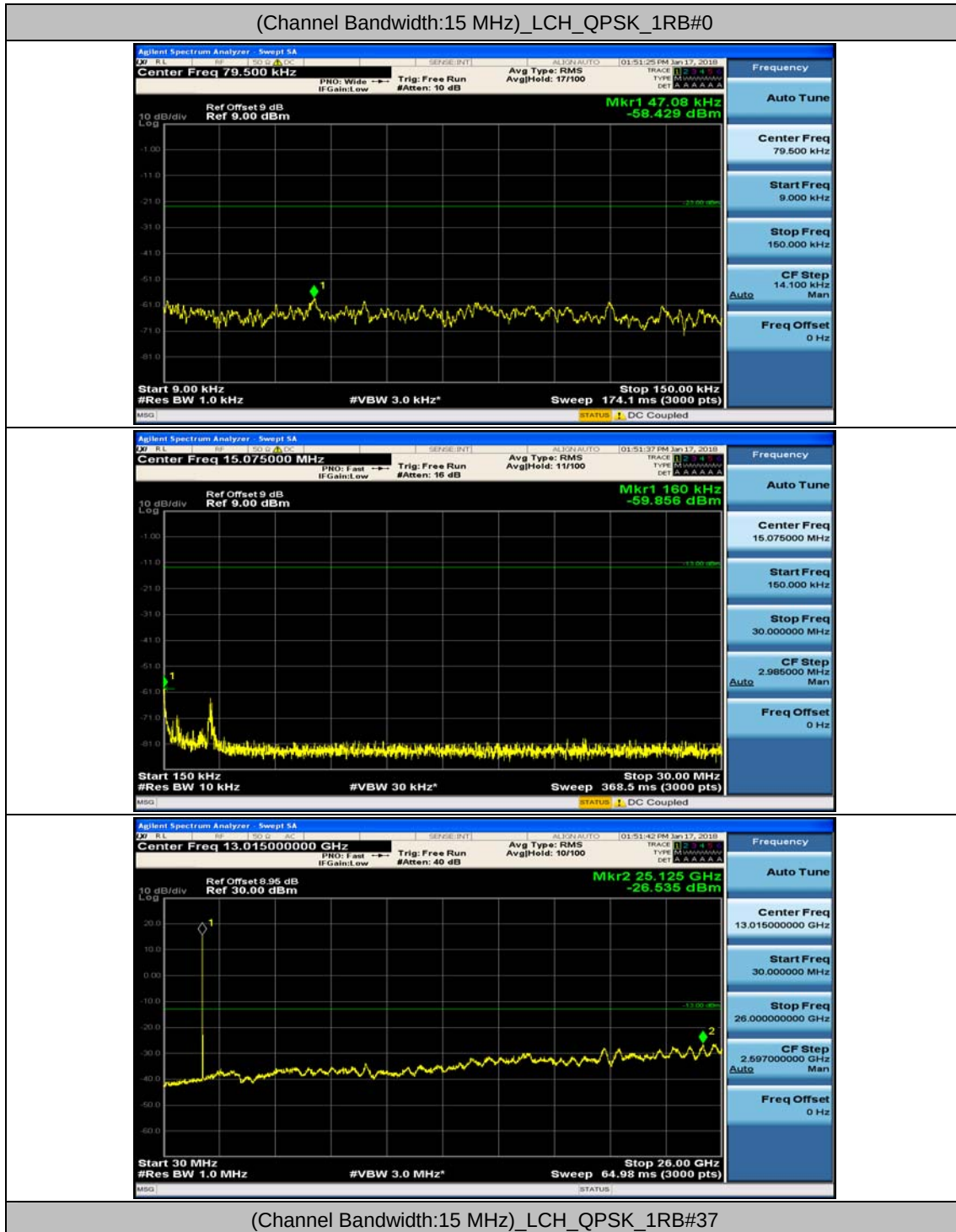


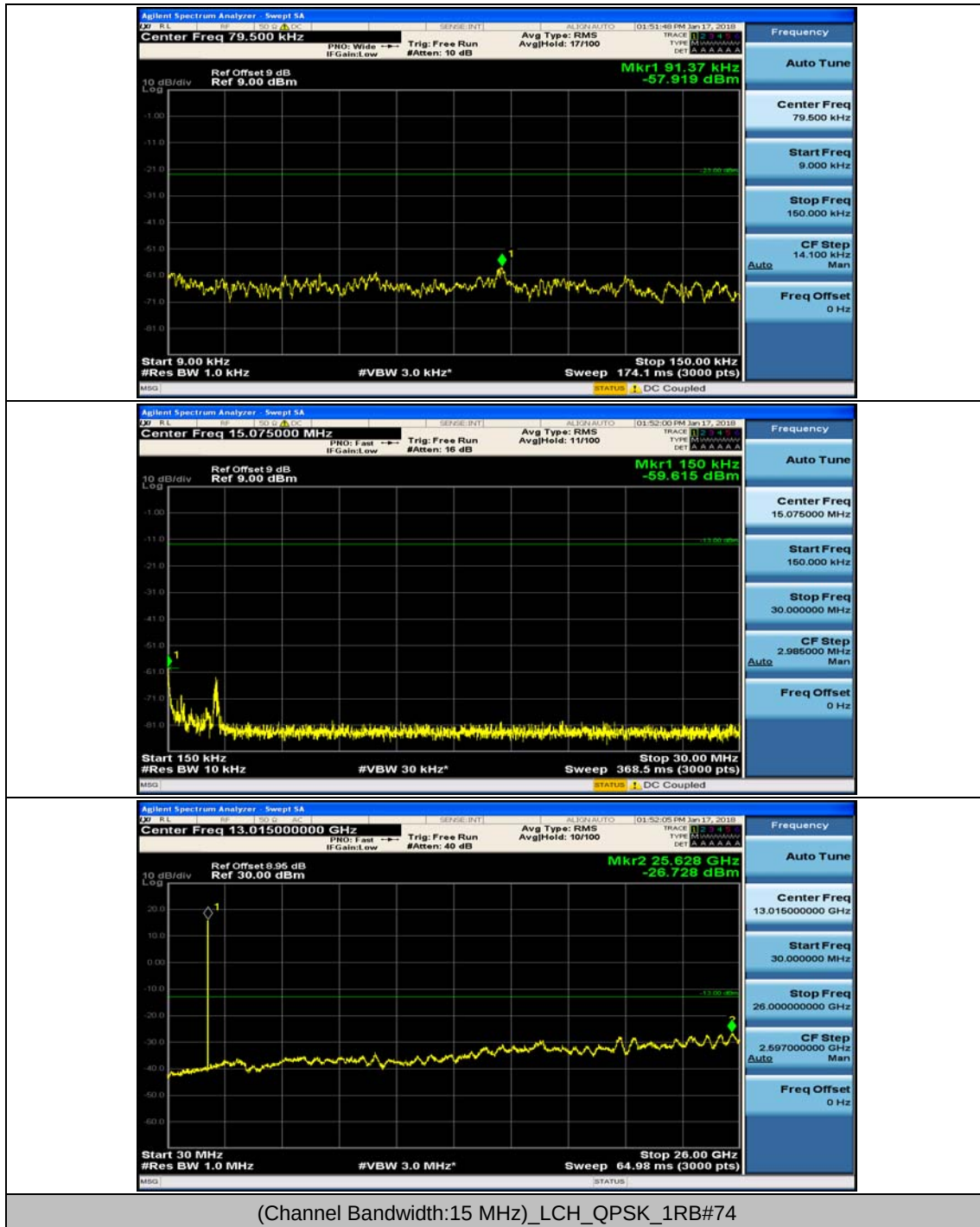
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

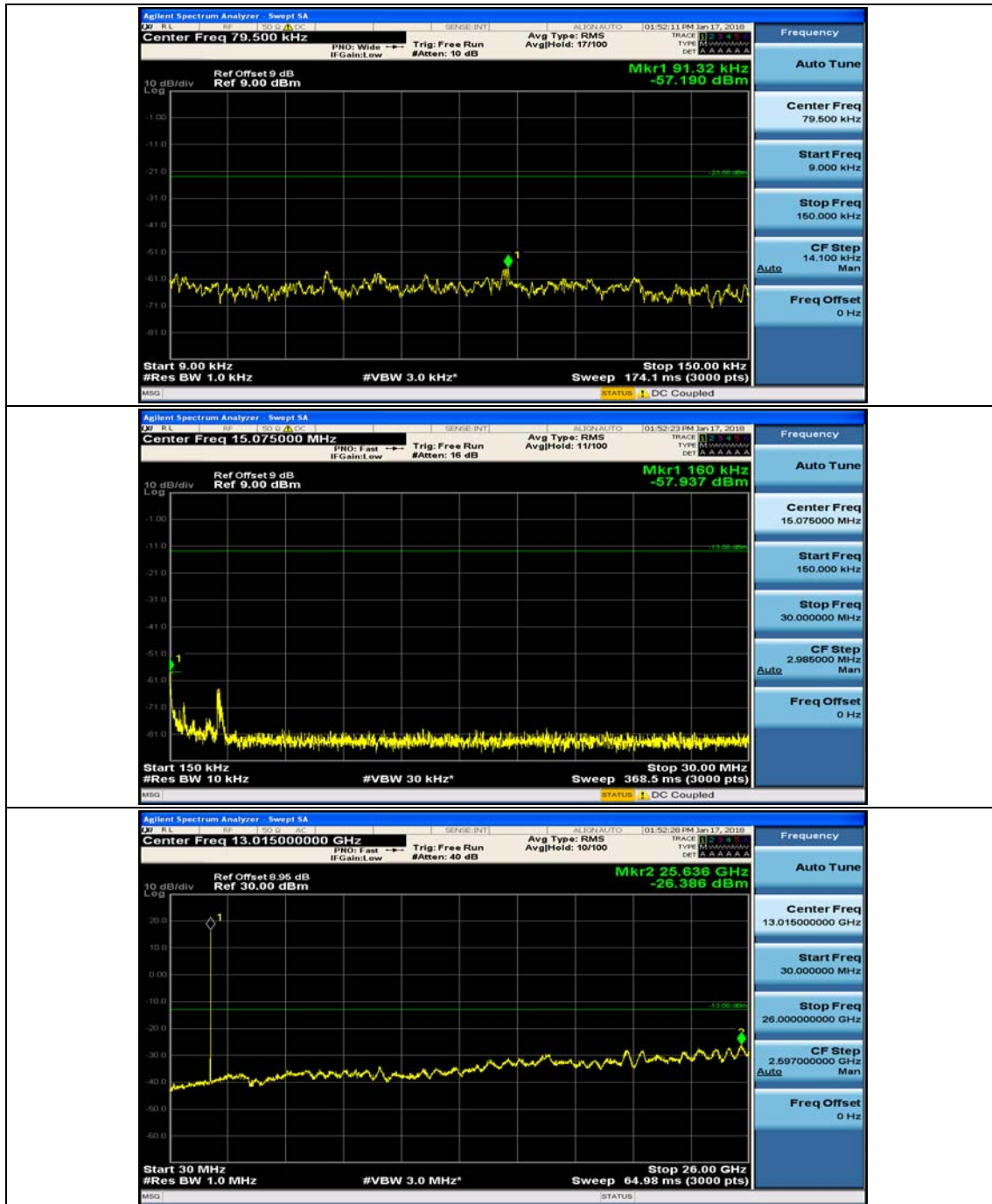




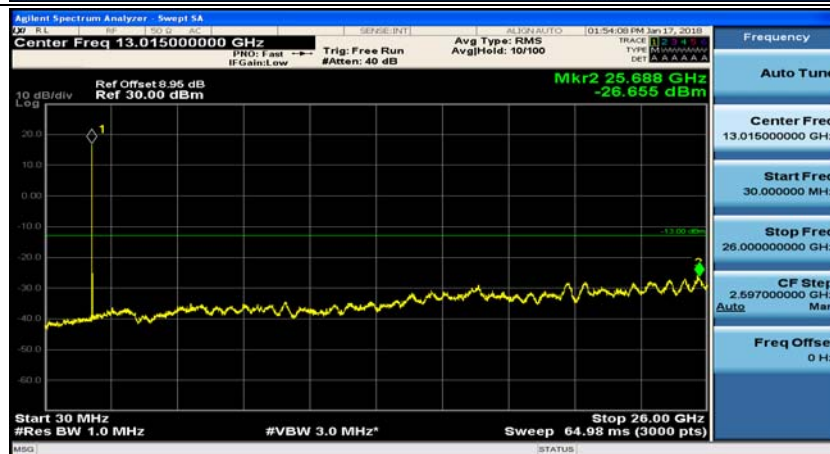
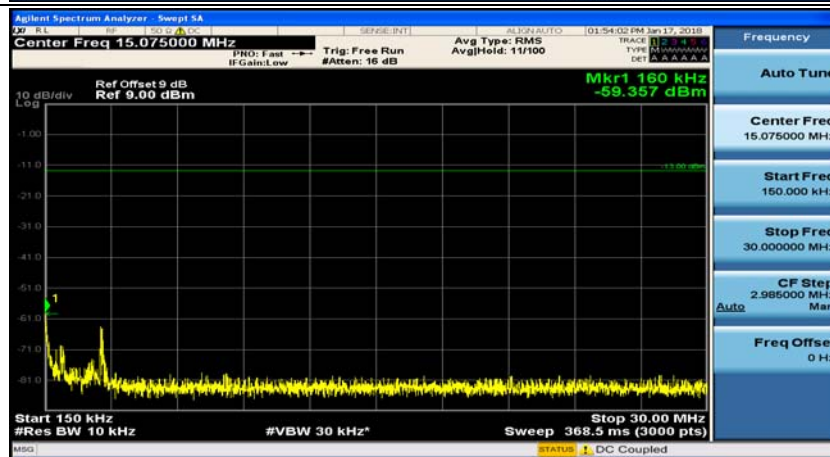
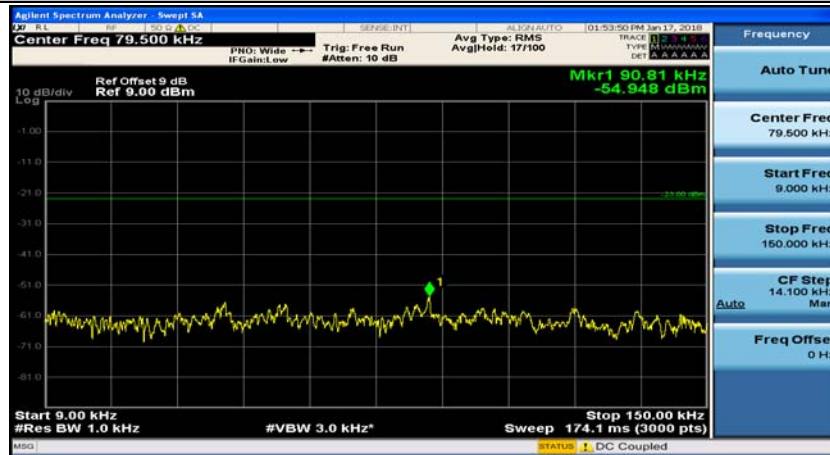
Channel Bandwidth: 15 MHz



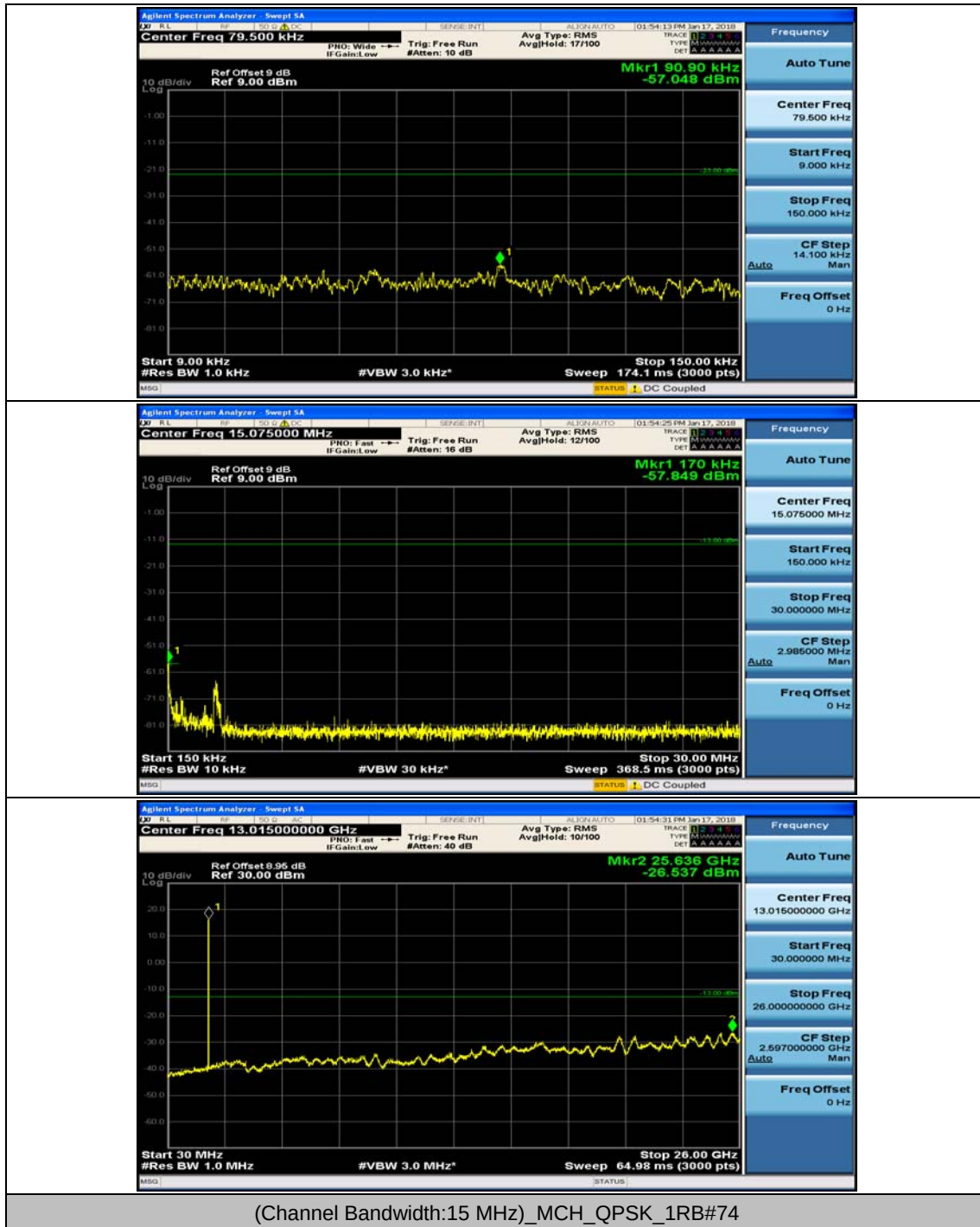


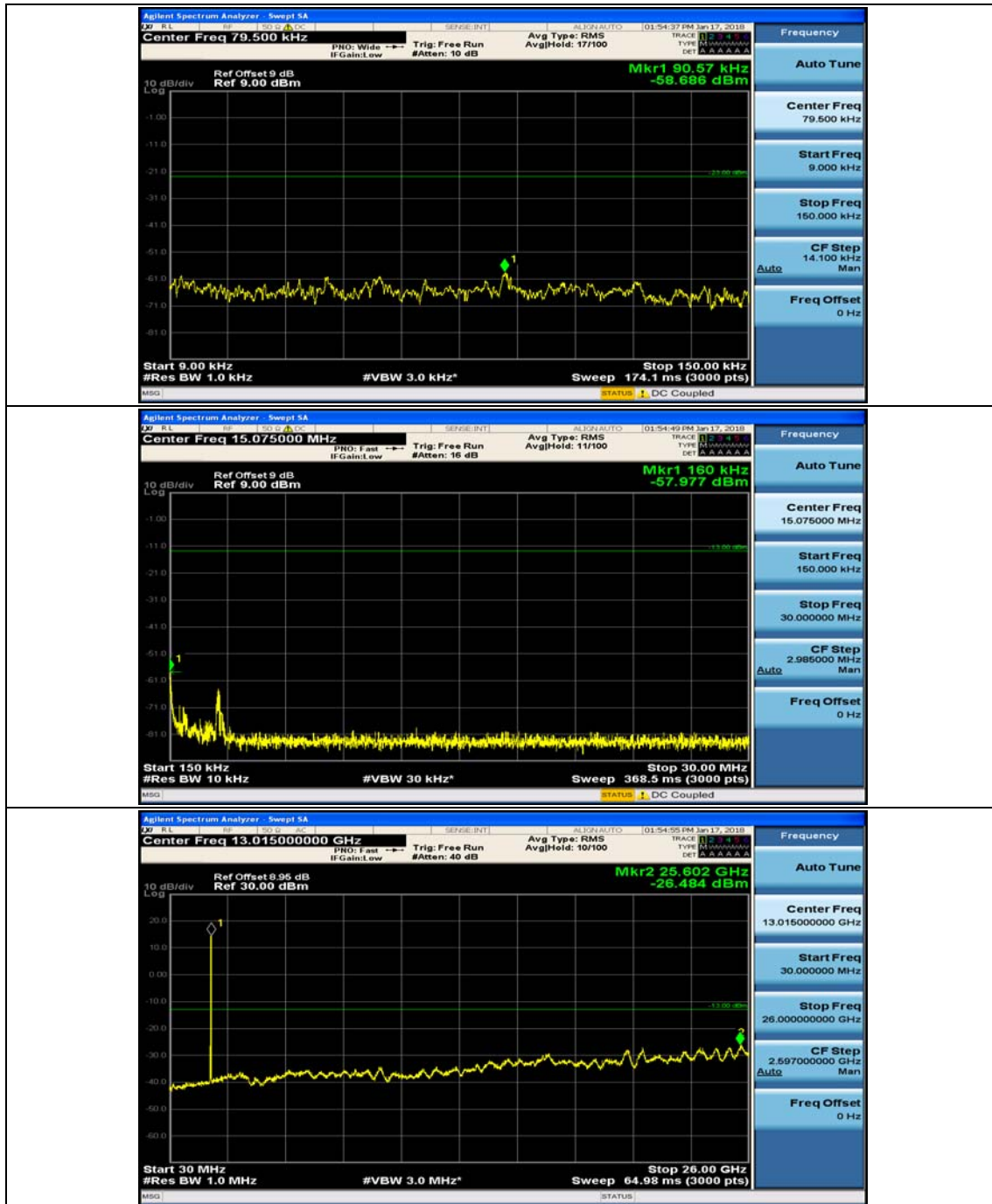


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

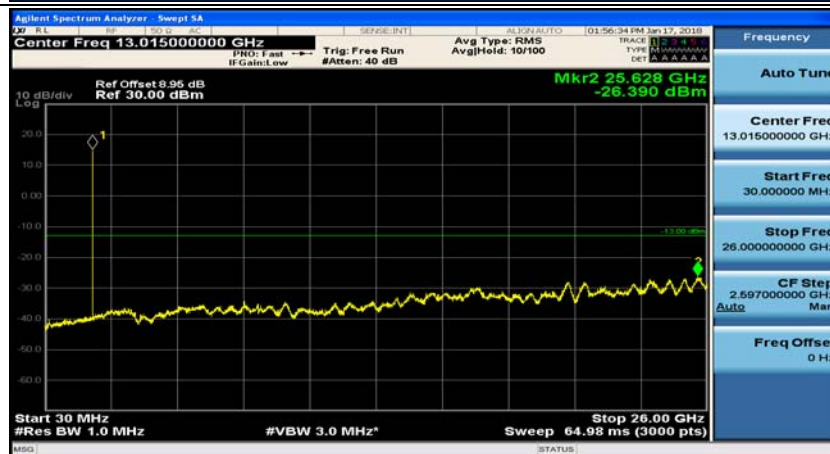
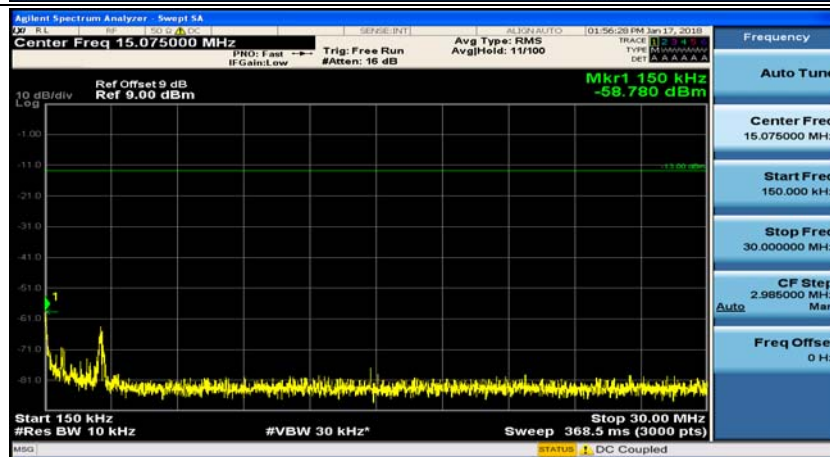


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

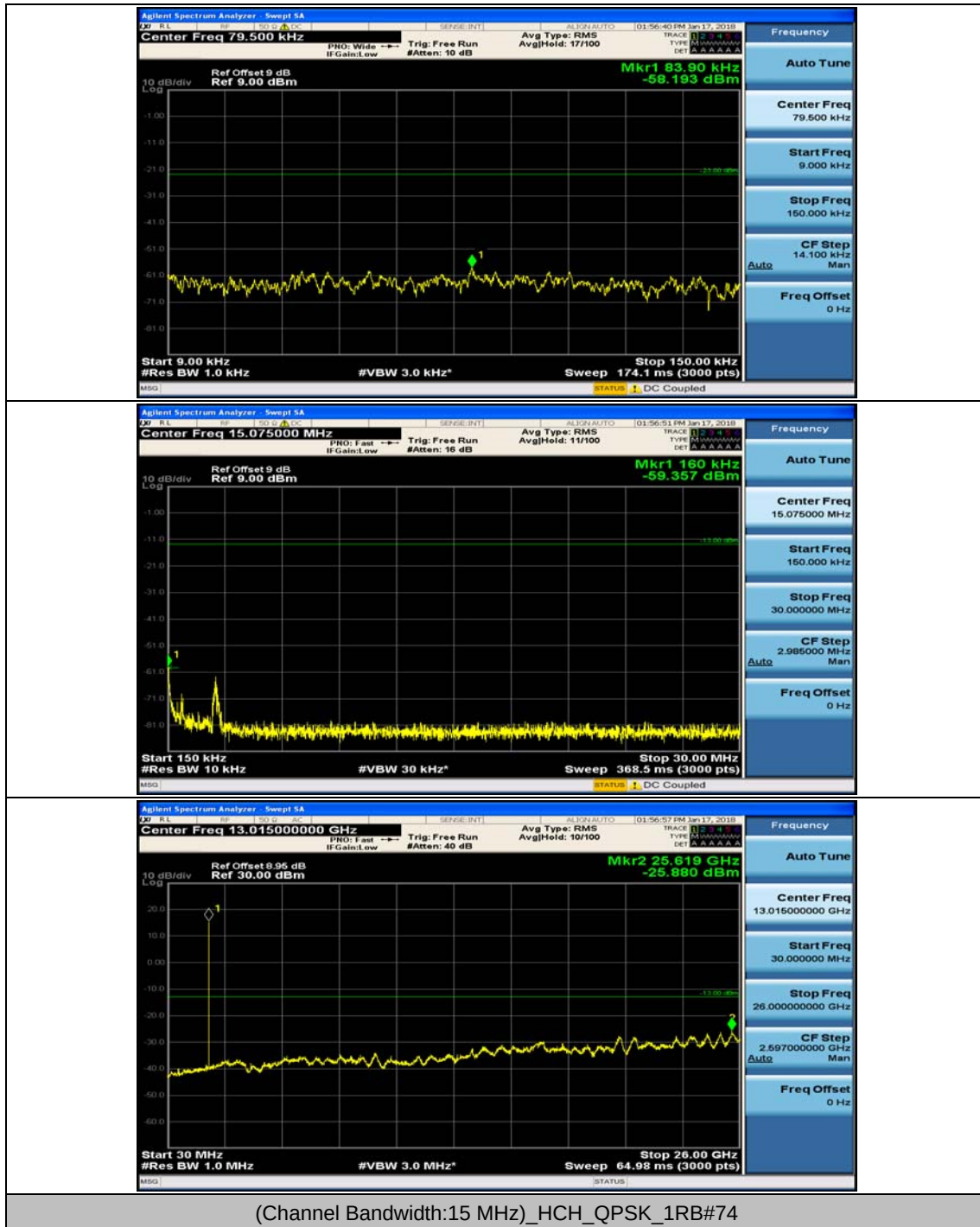


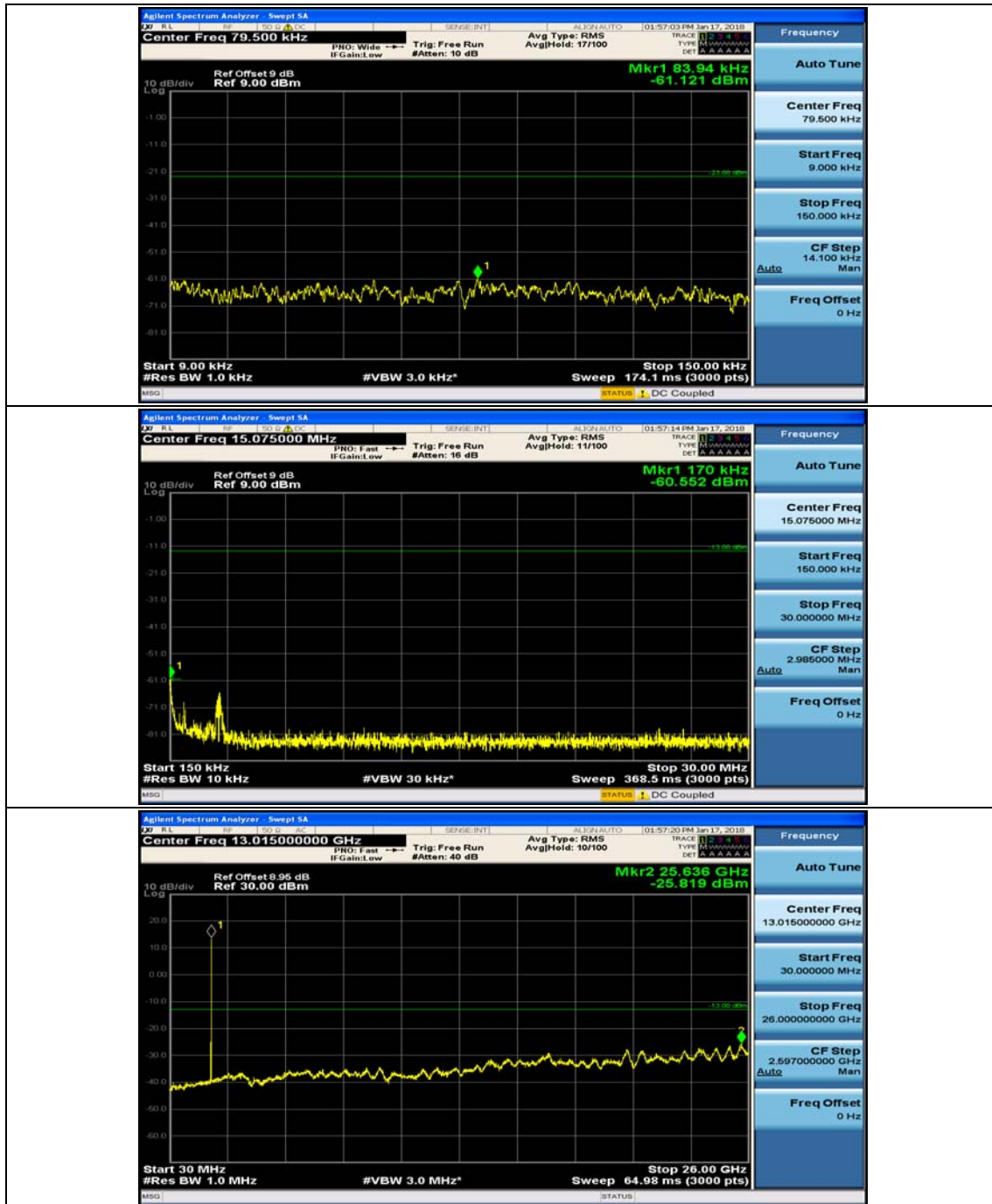


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

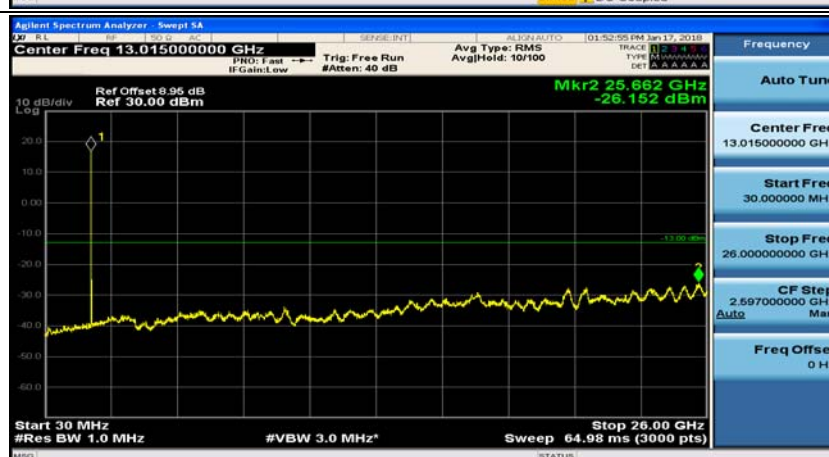
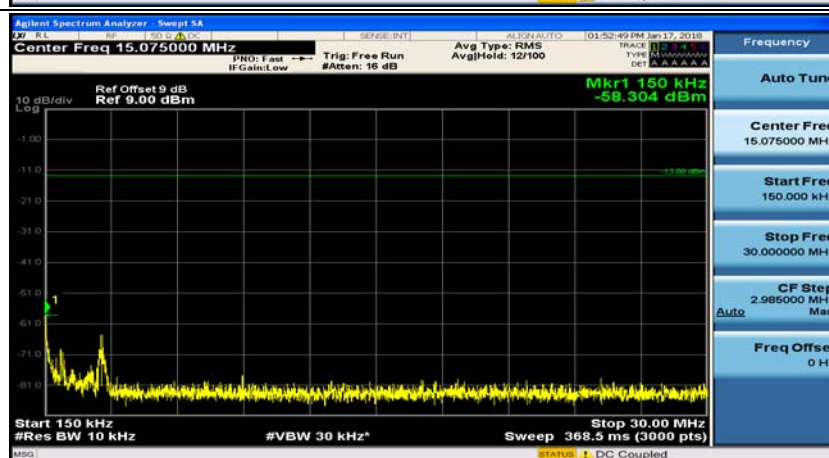
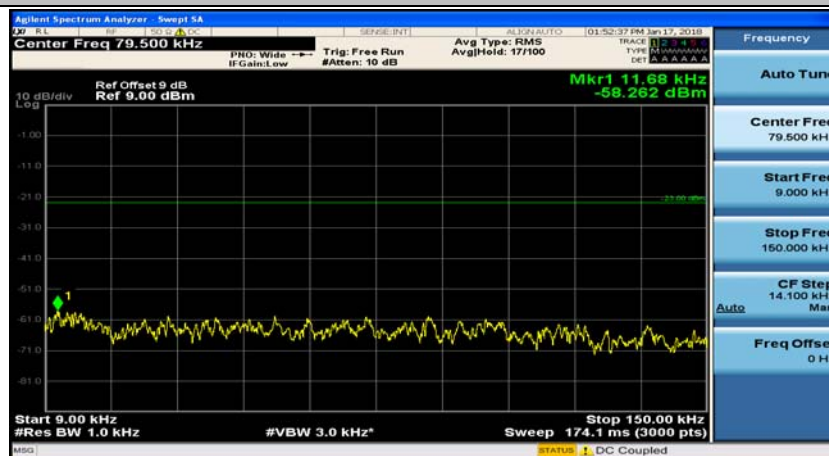


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

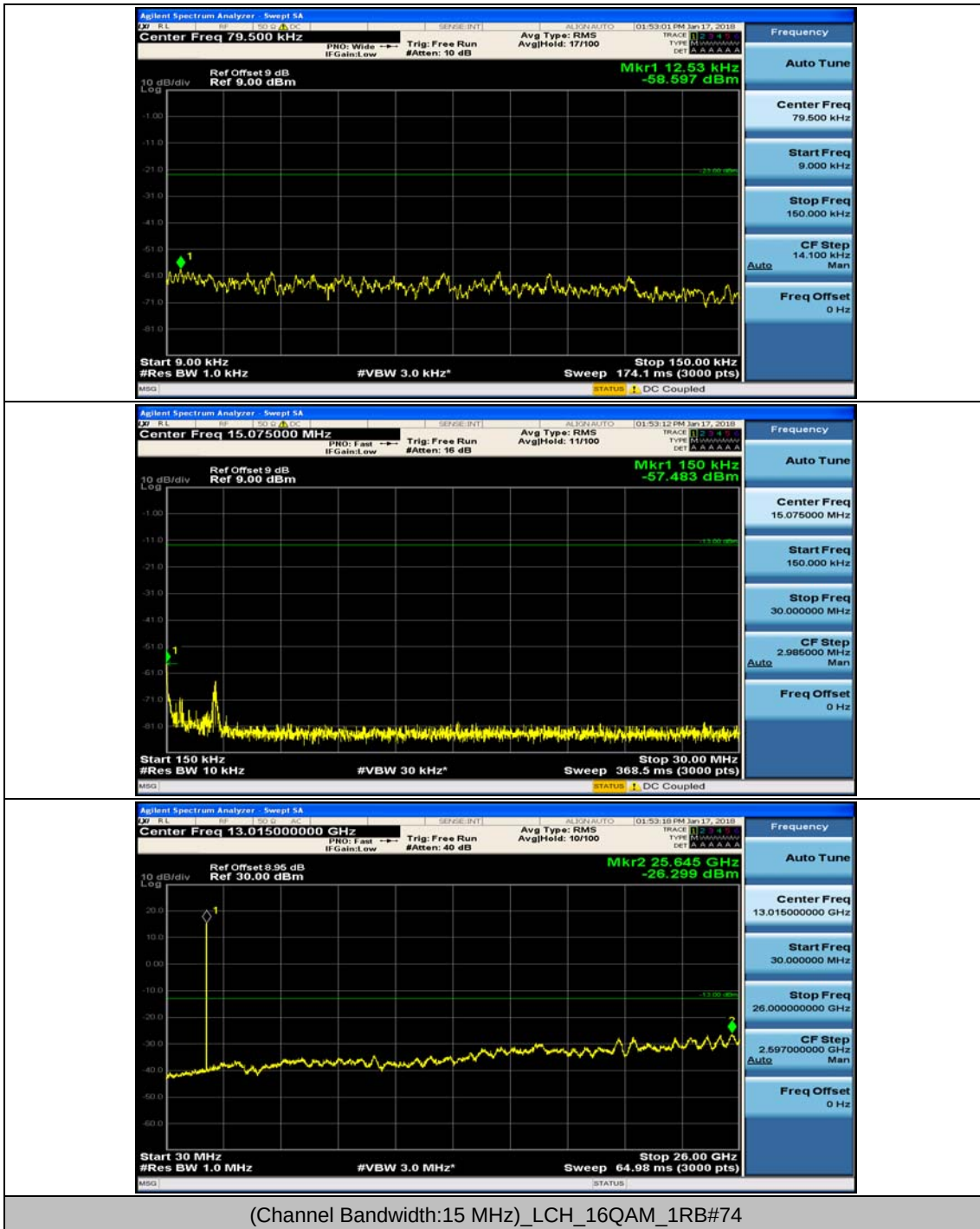




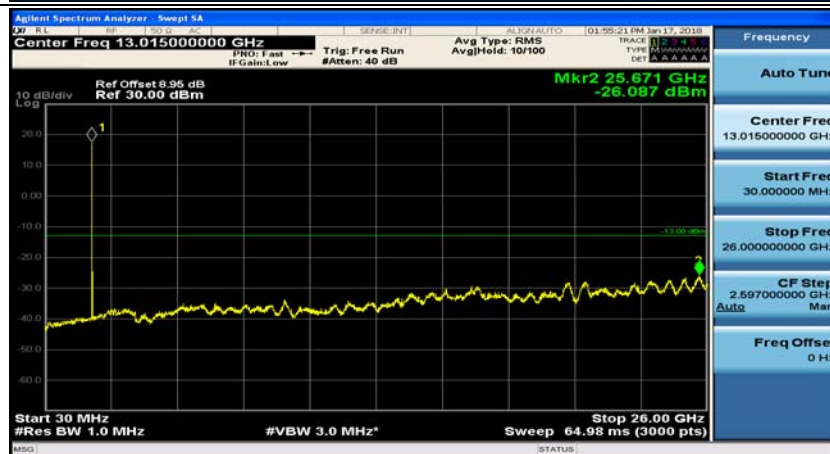
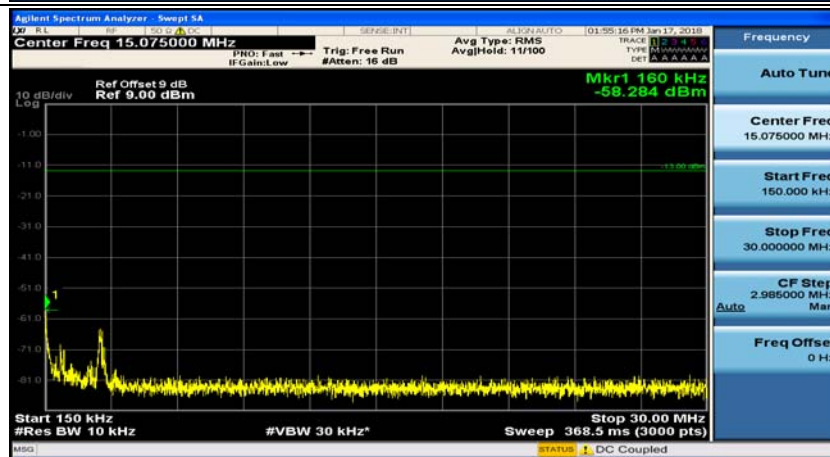
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



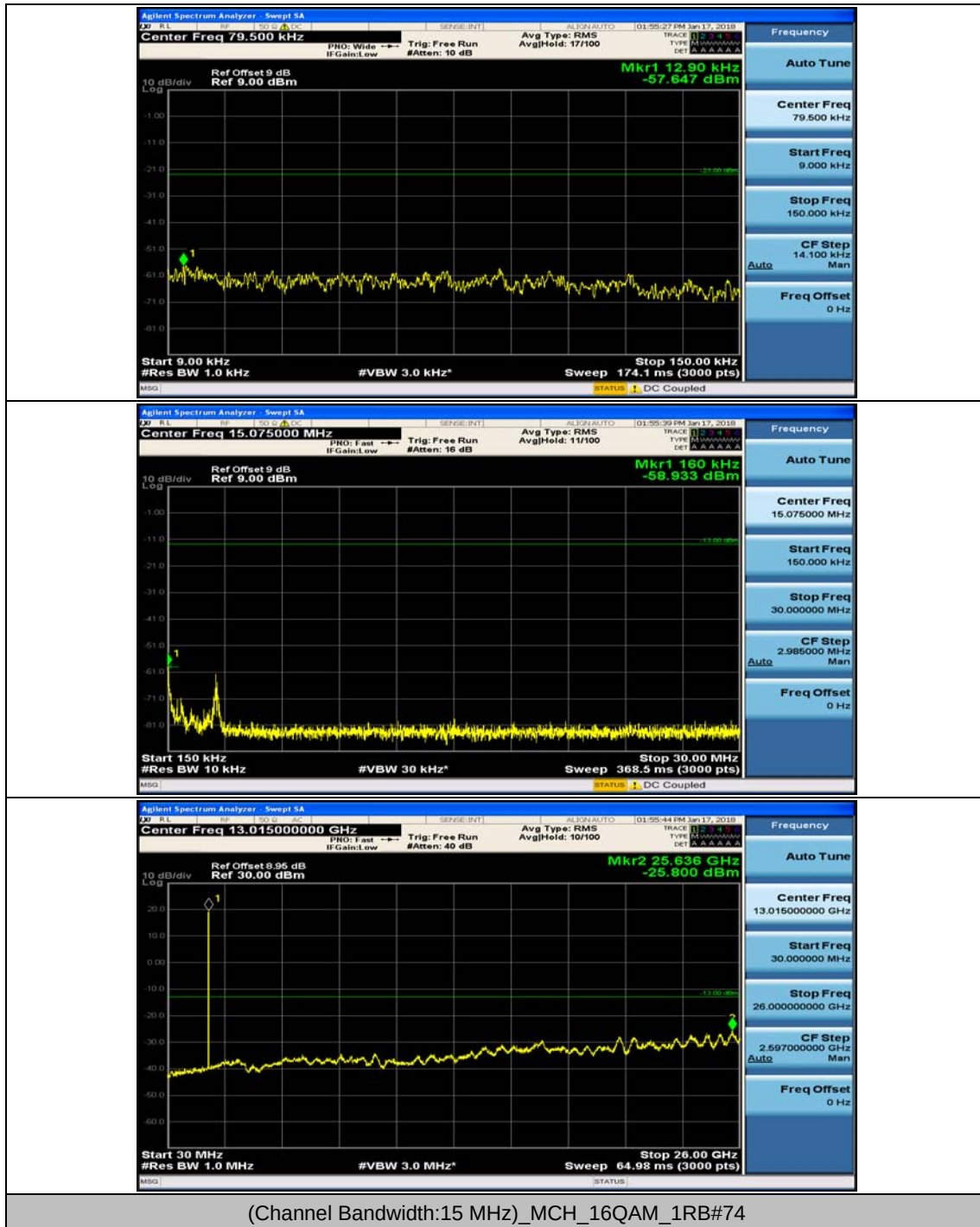
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

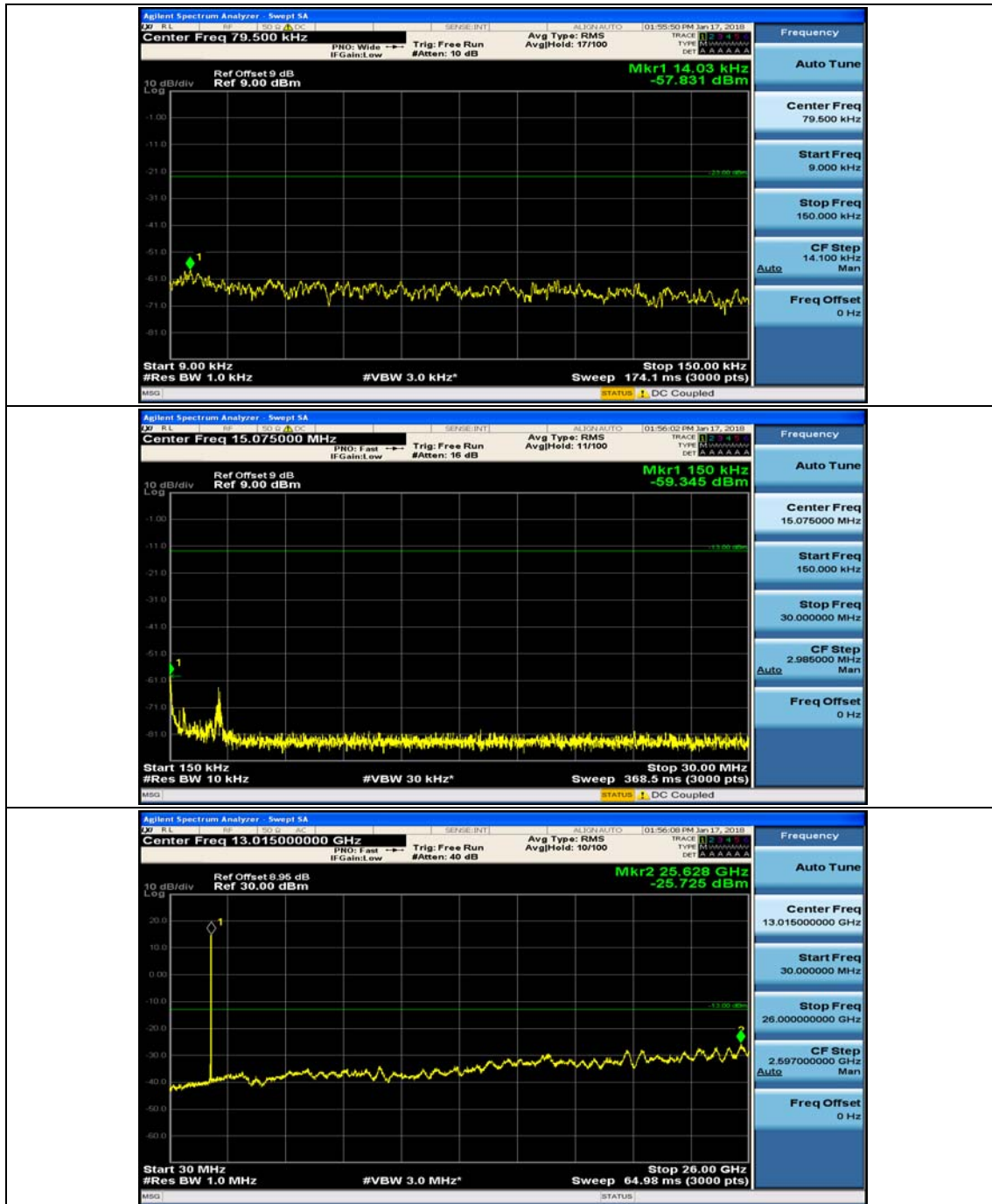


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

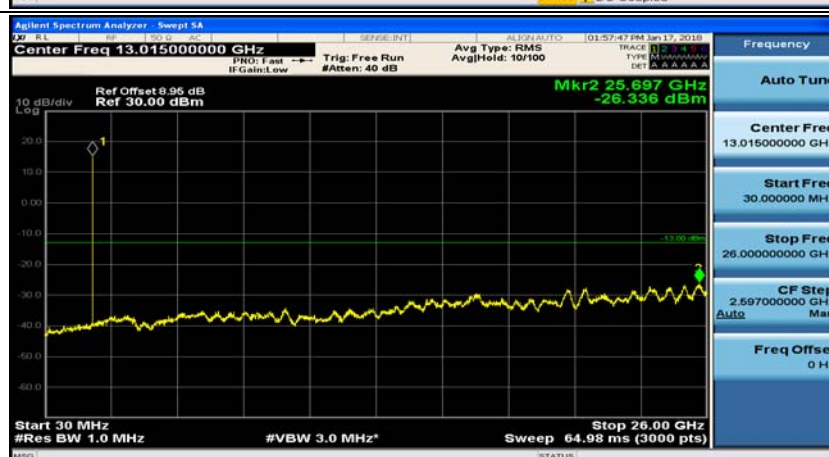
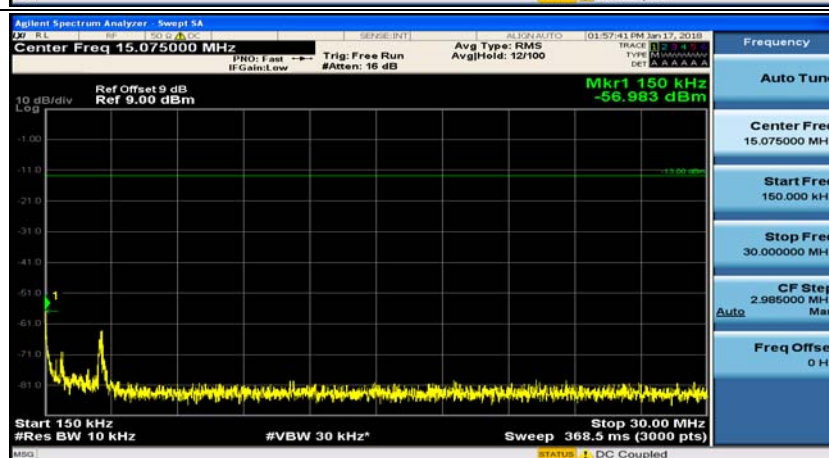
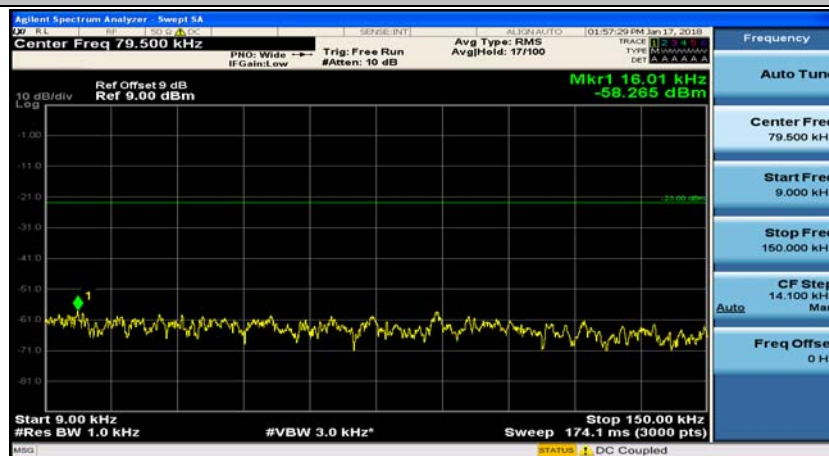


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

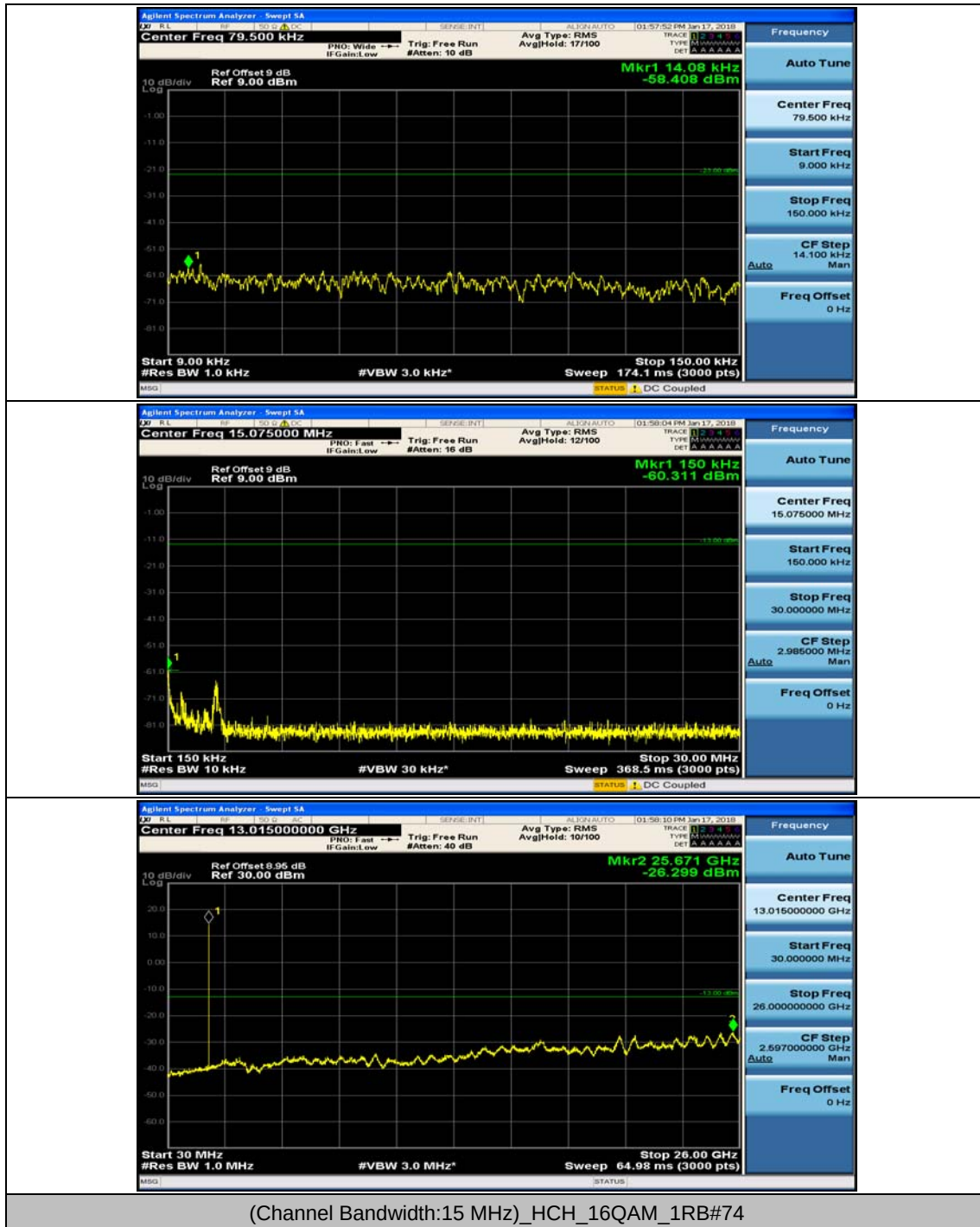


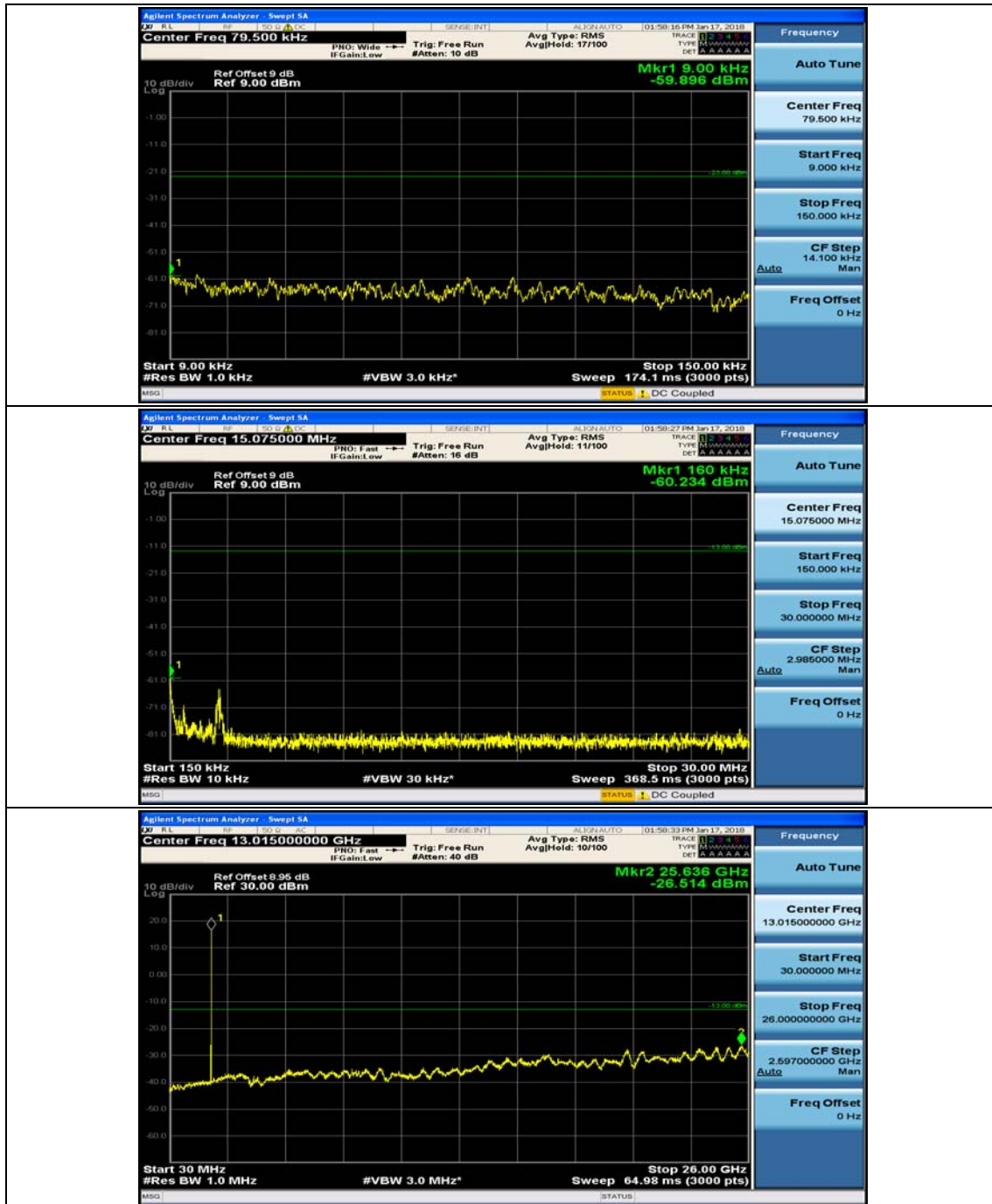


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

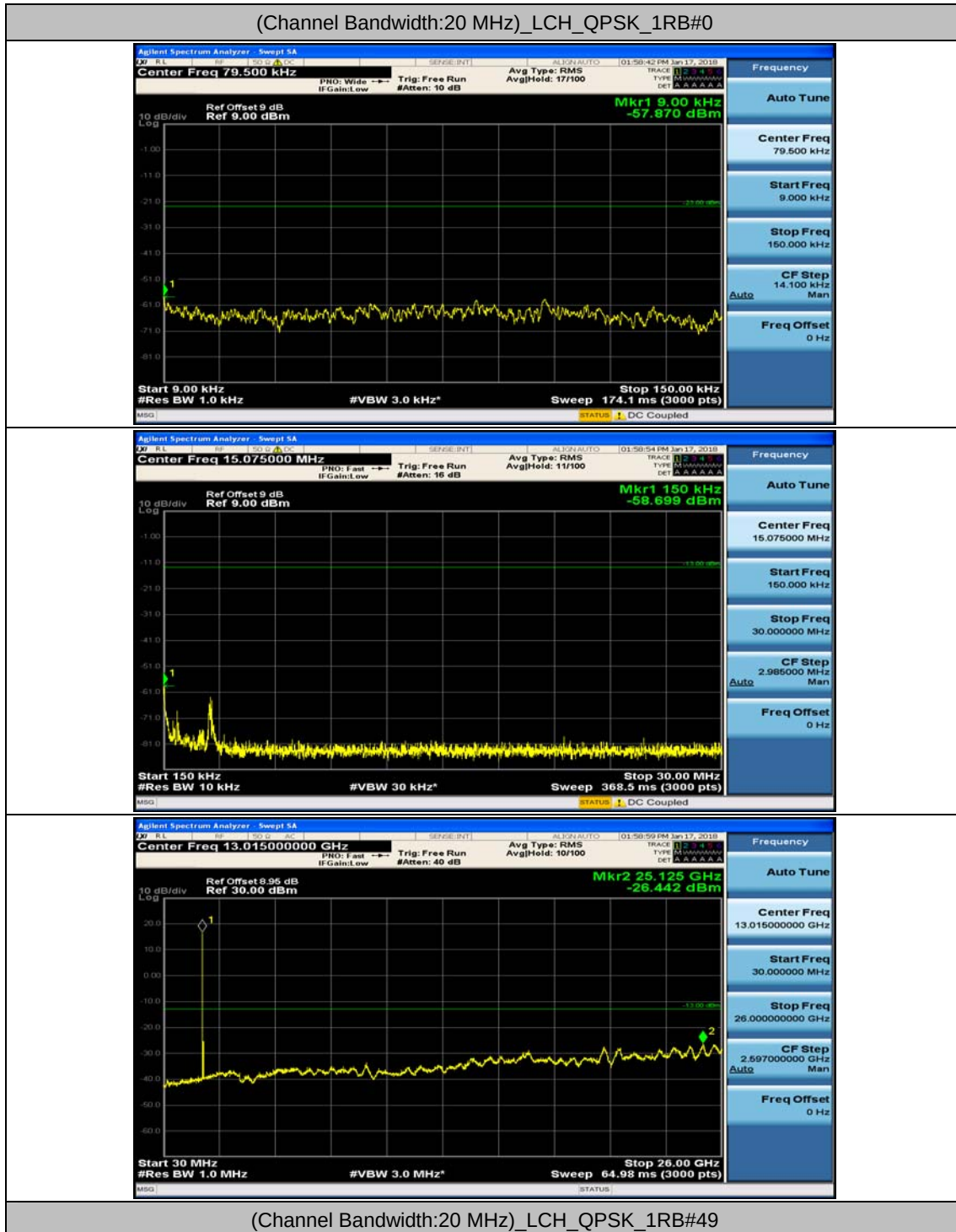


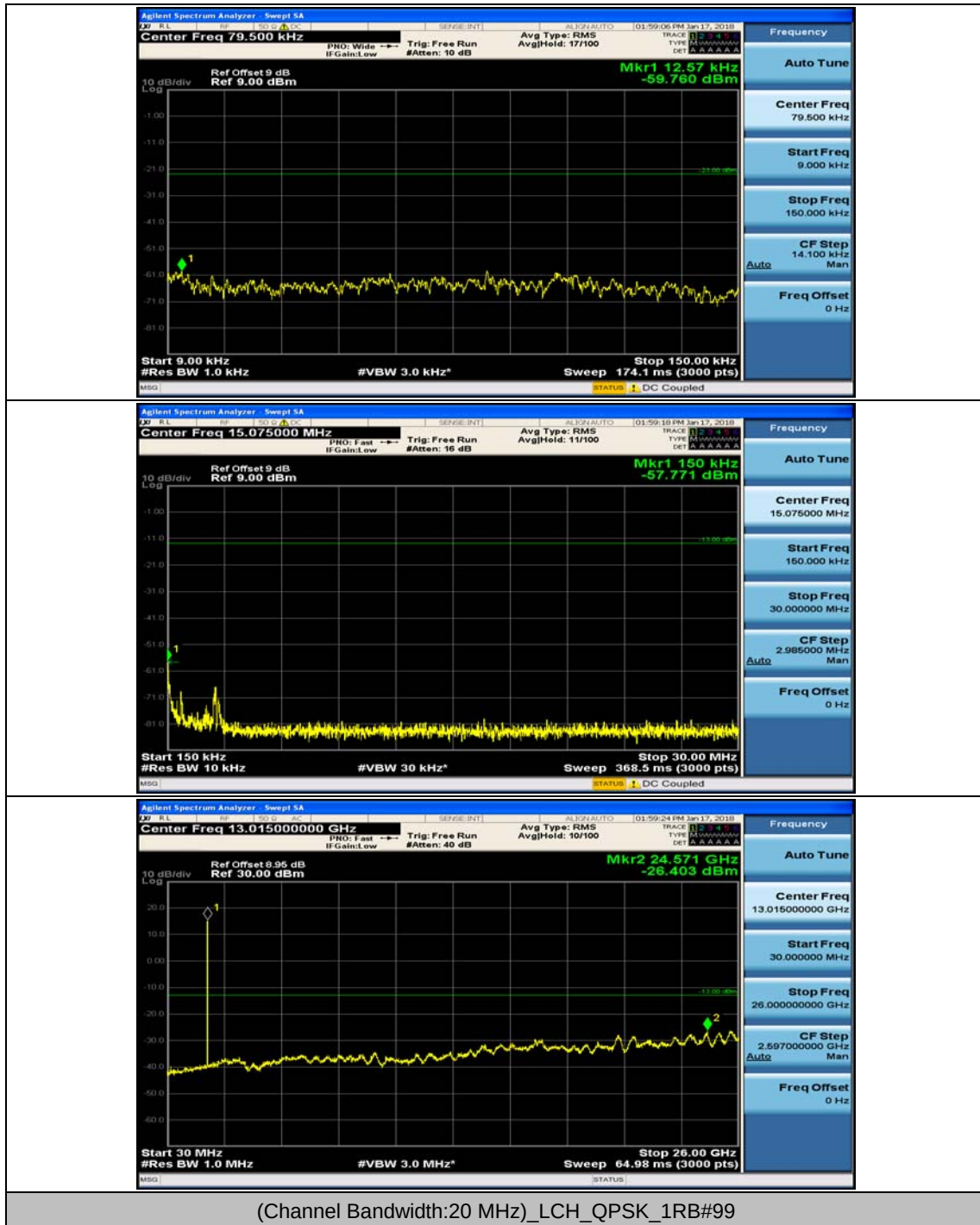
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

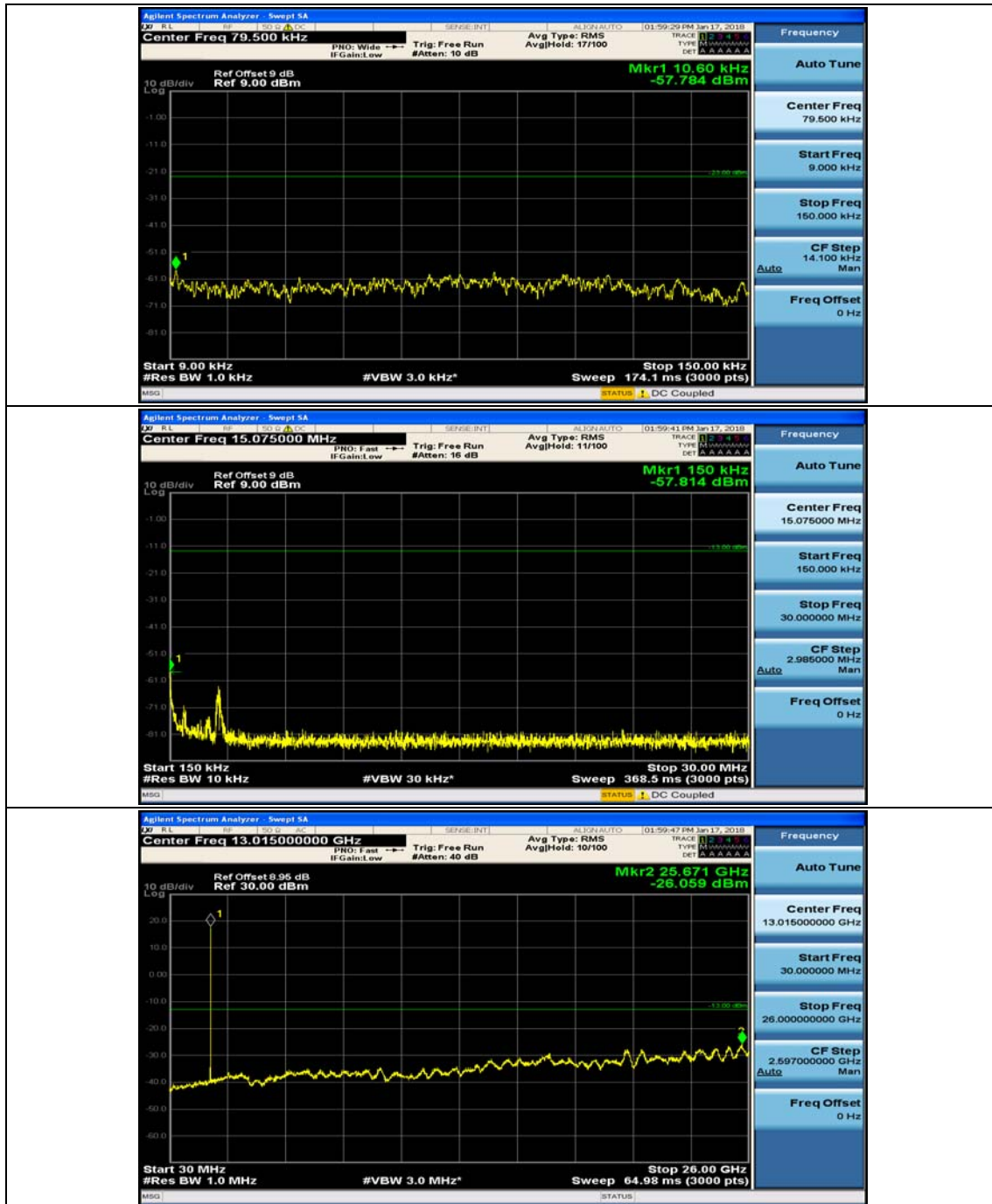




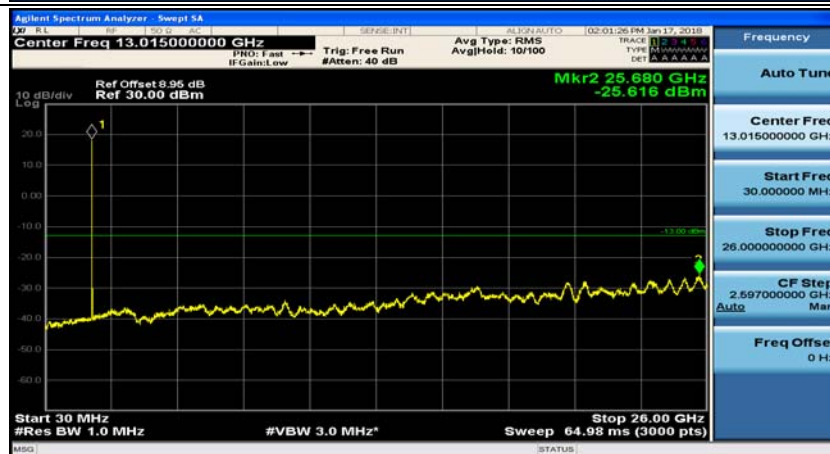
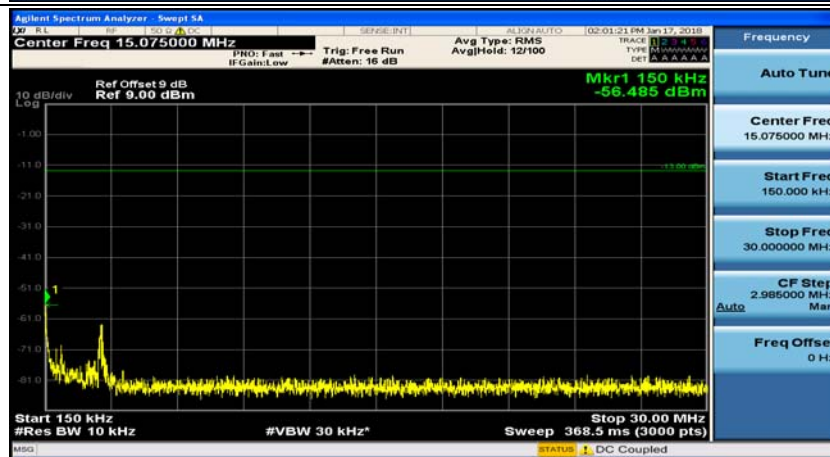
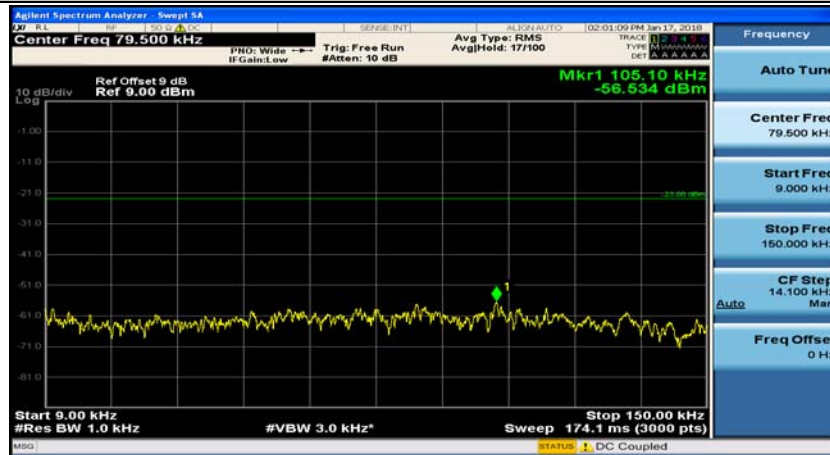
Channel Bandwidth: 20 MHz



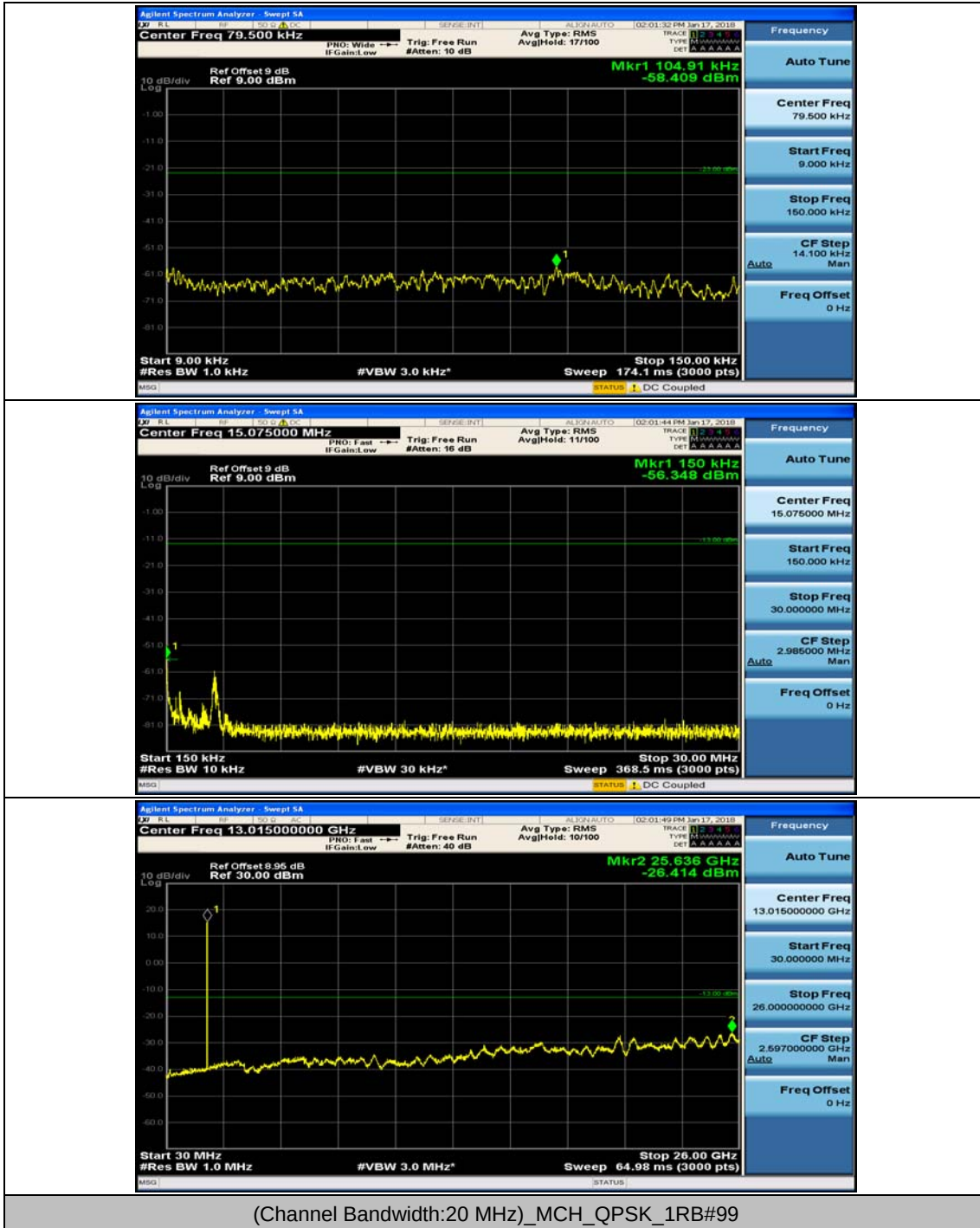


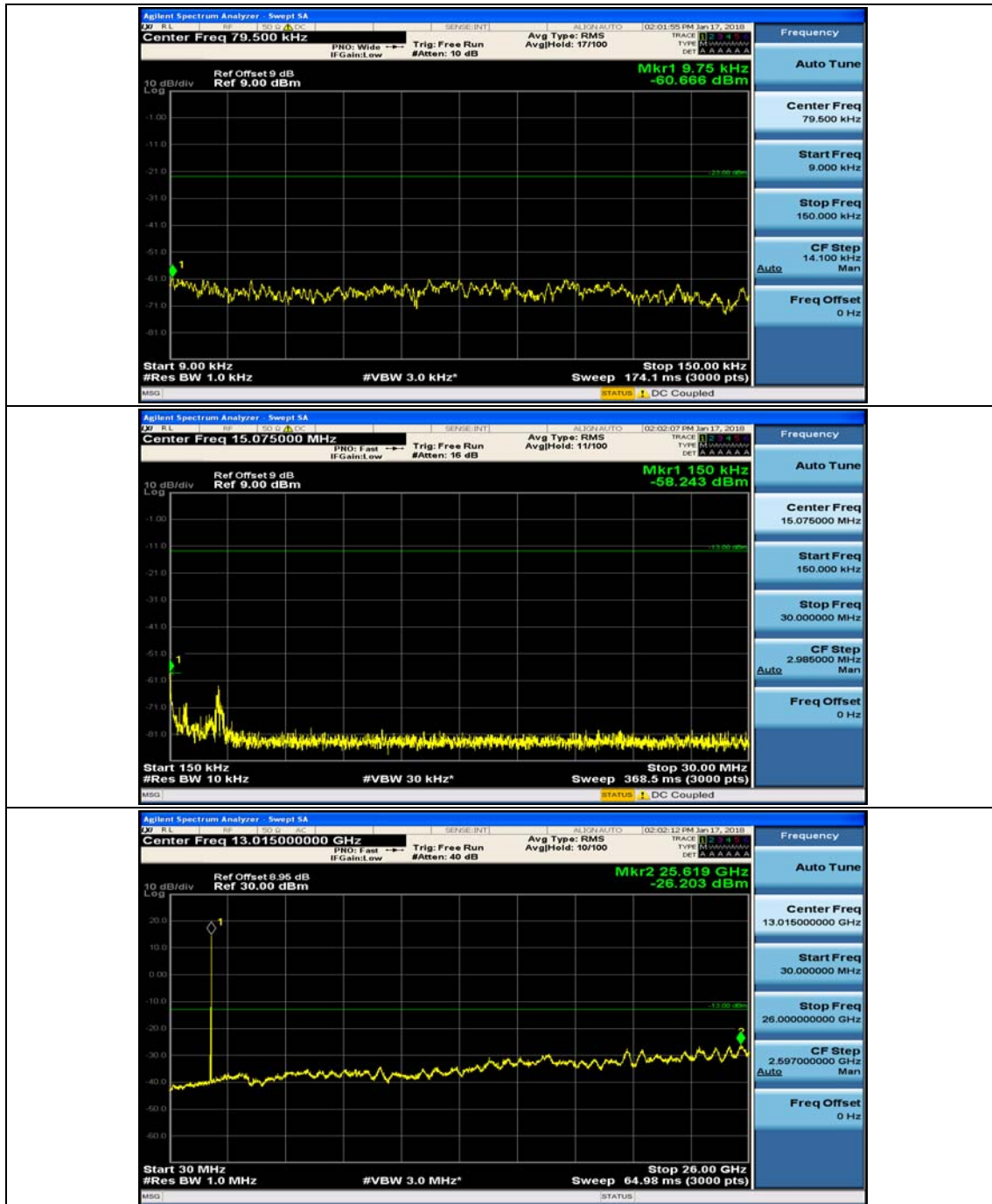


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

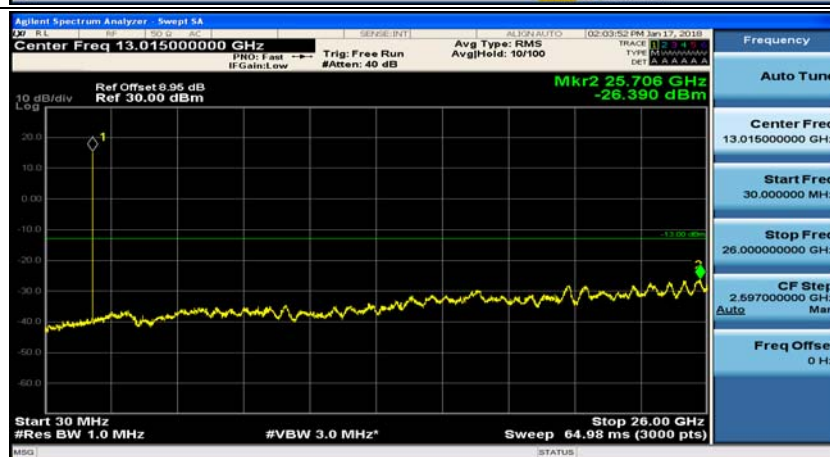
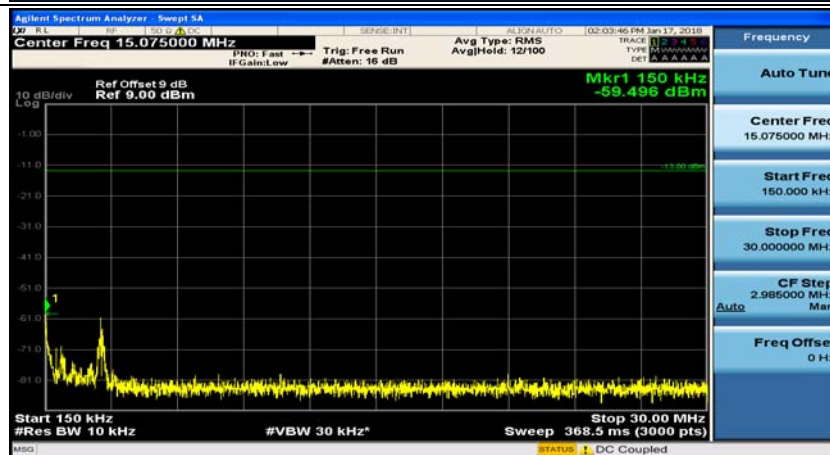
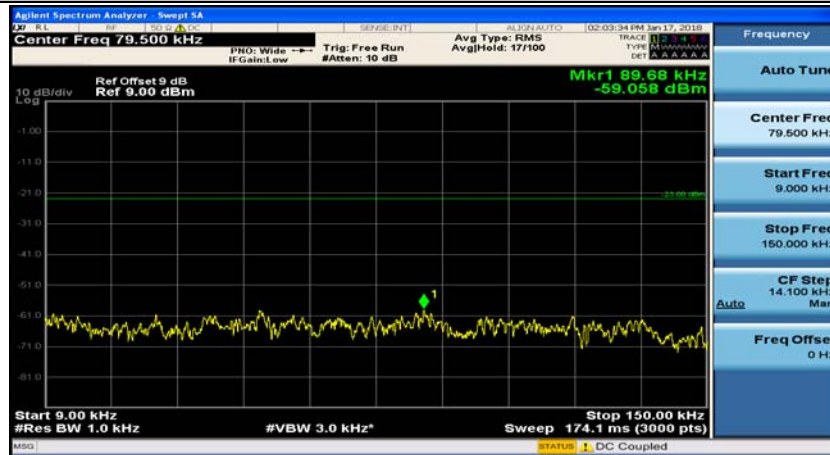


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

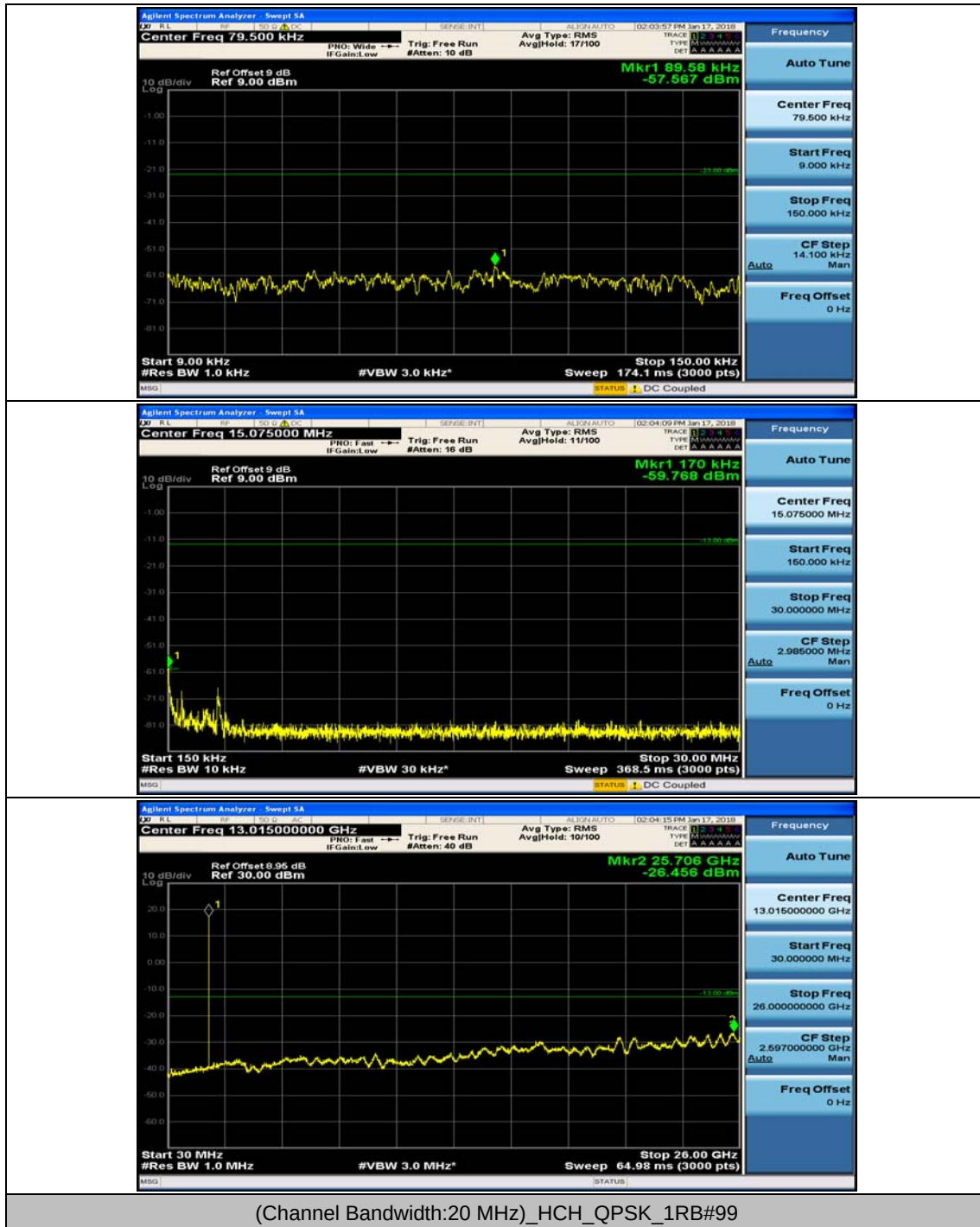


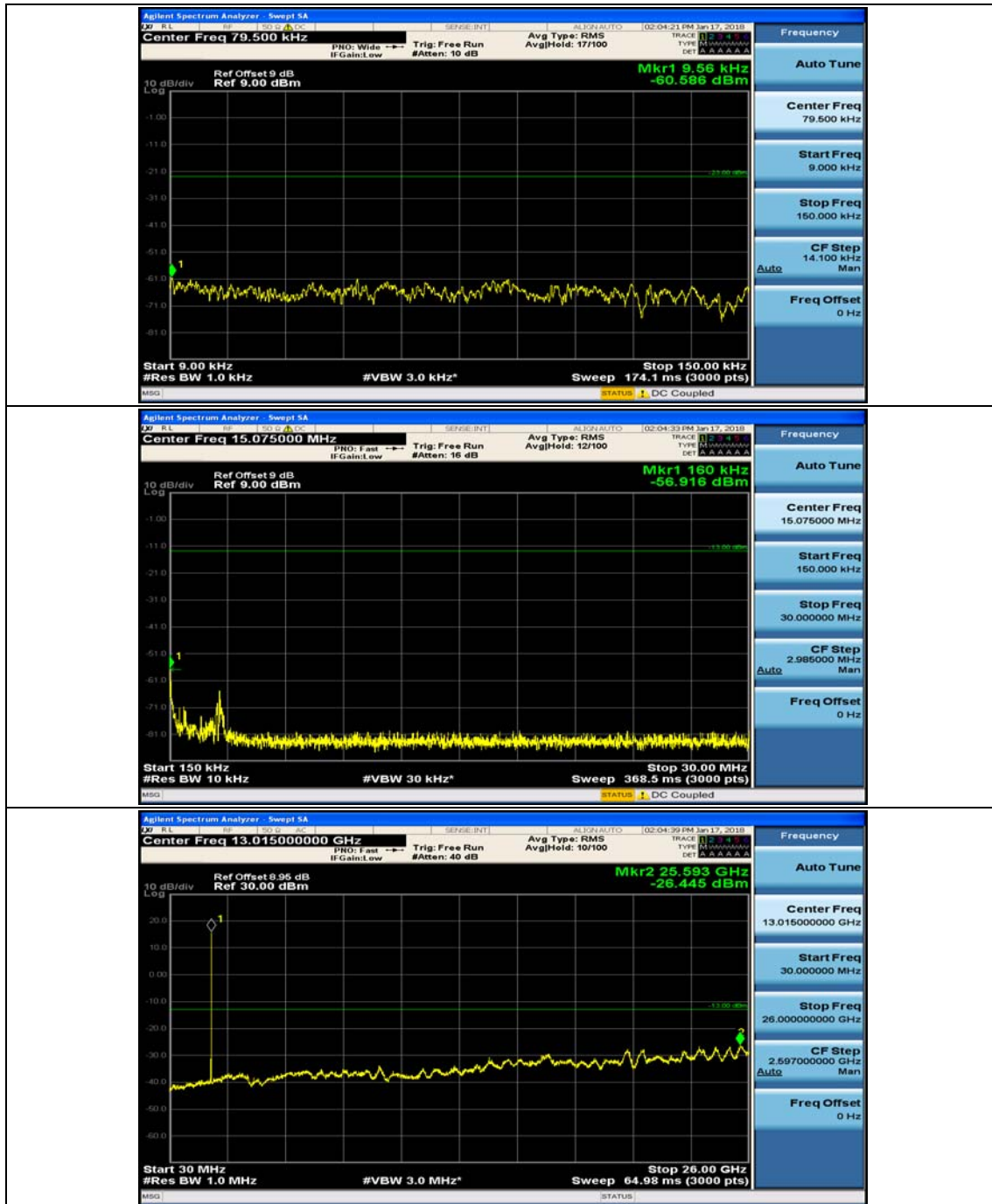


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

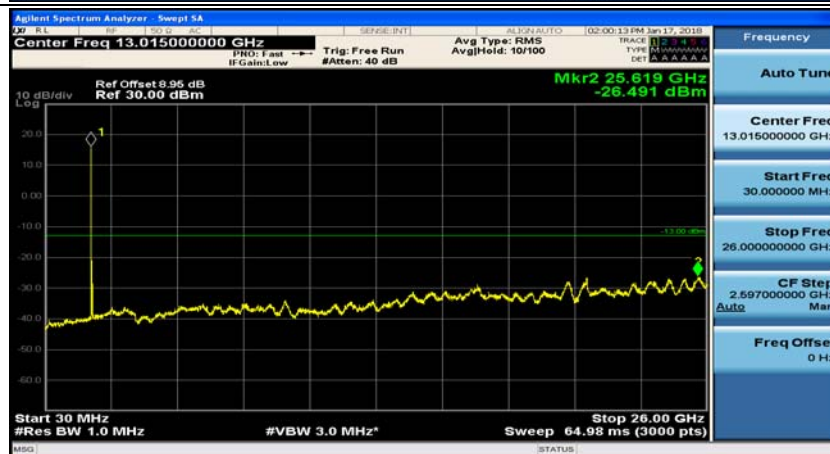
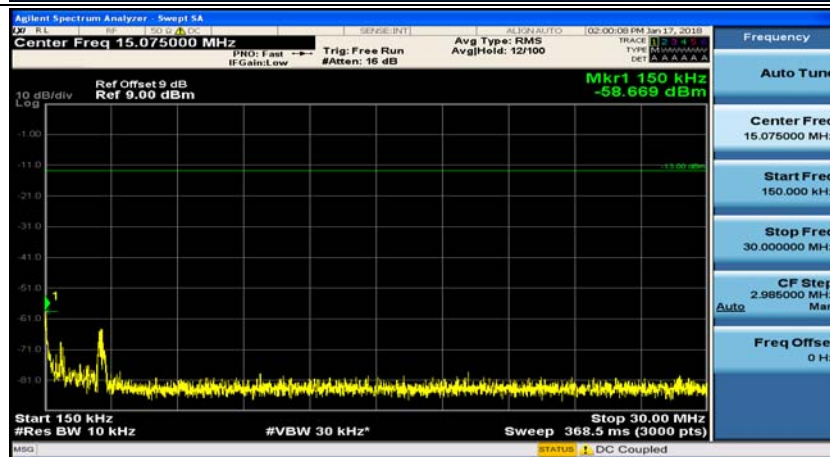
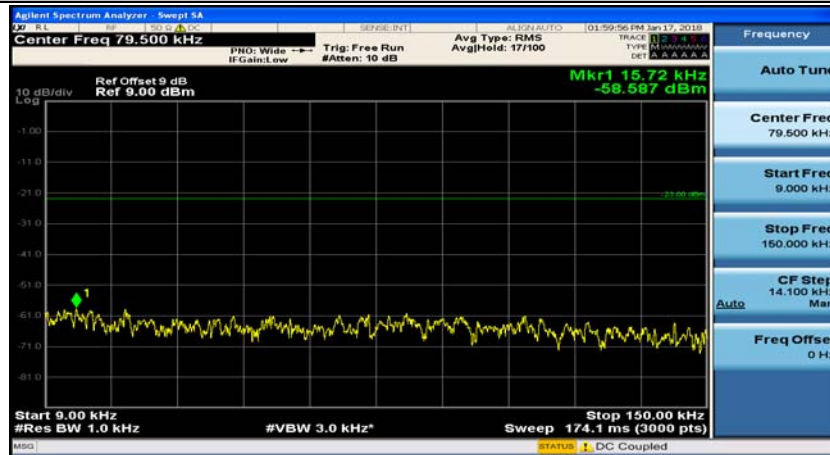


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

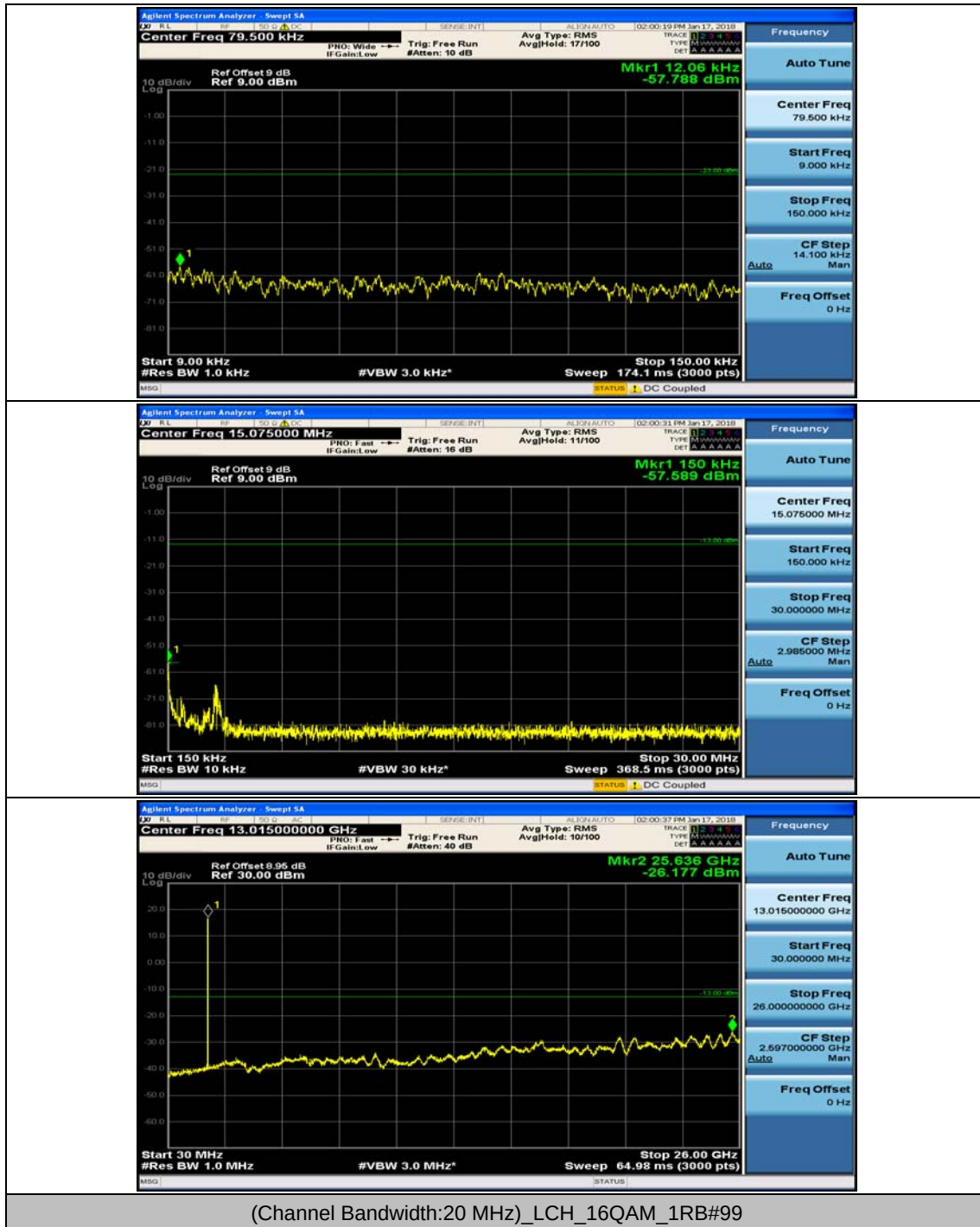


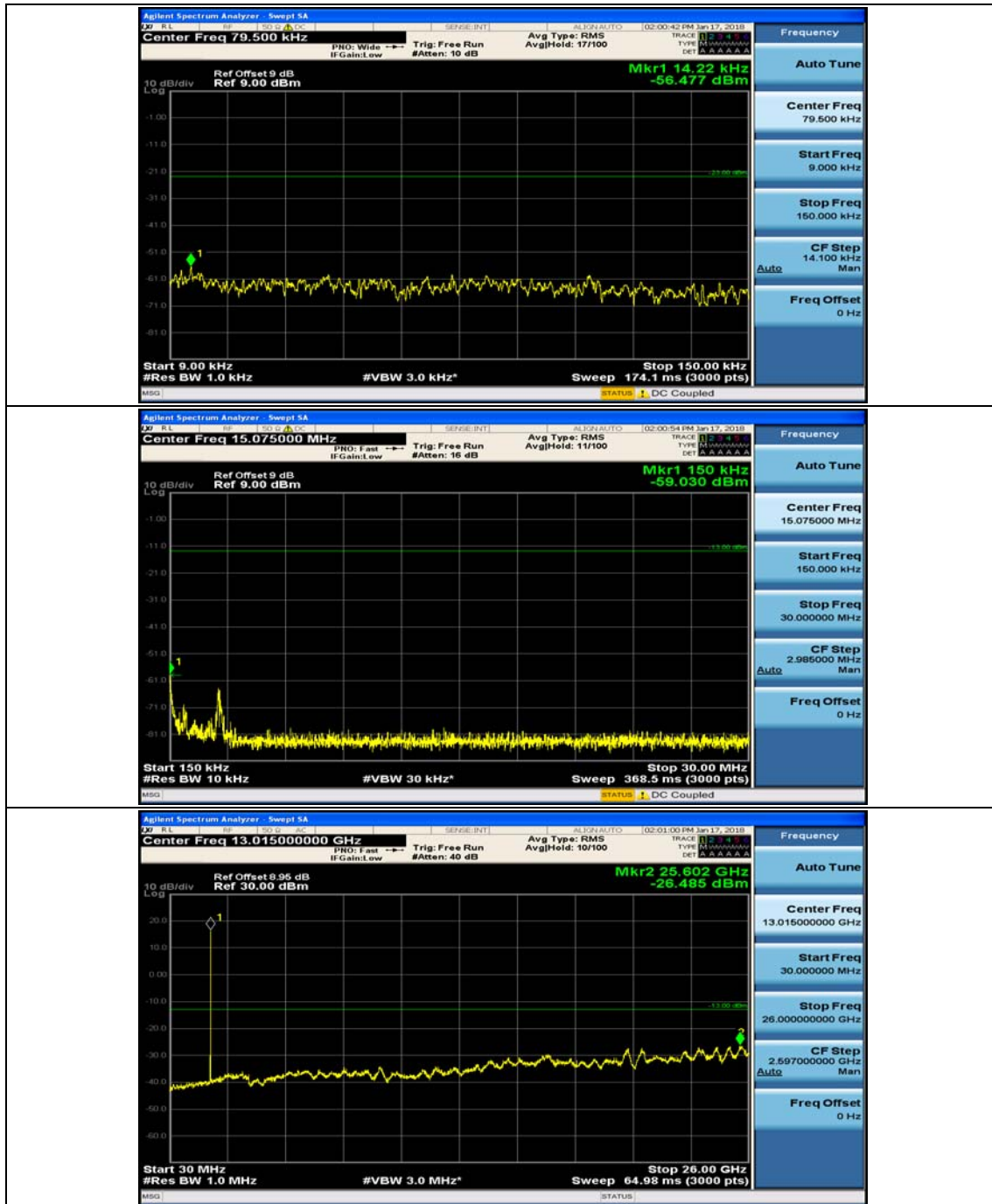


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

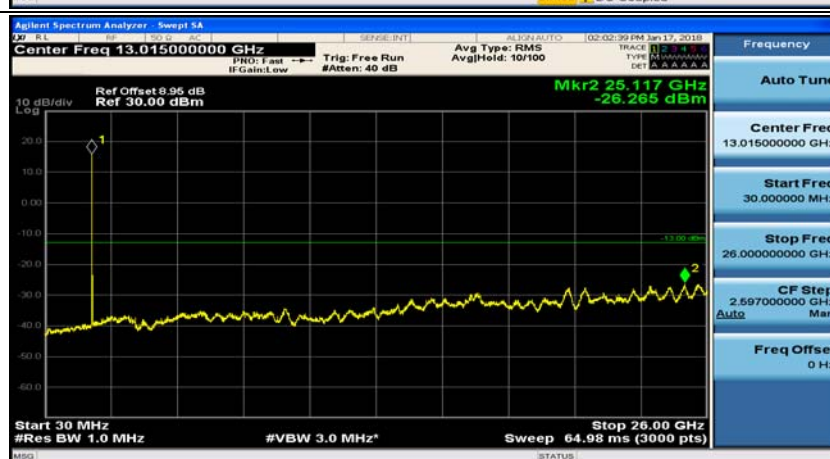
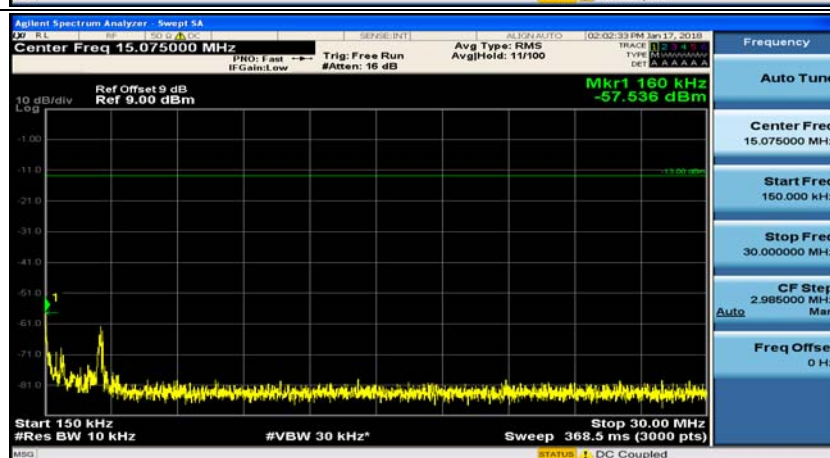
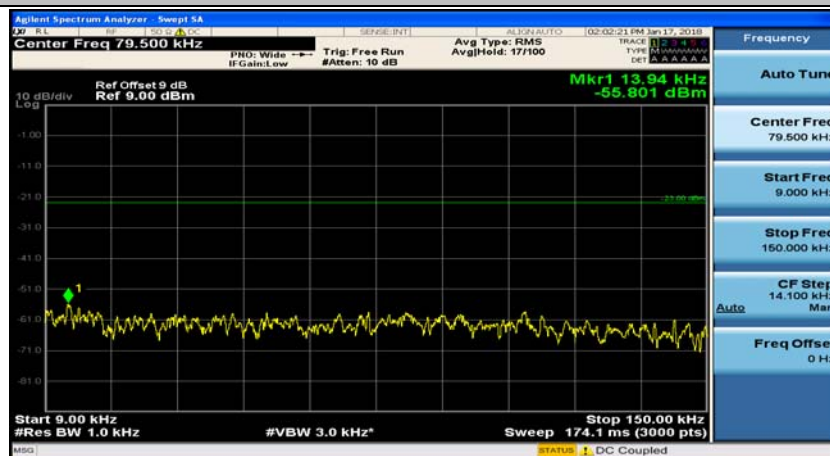


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

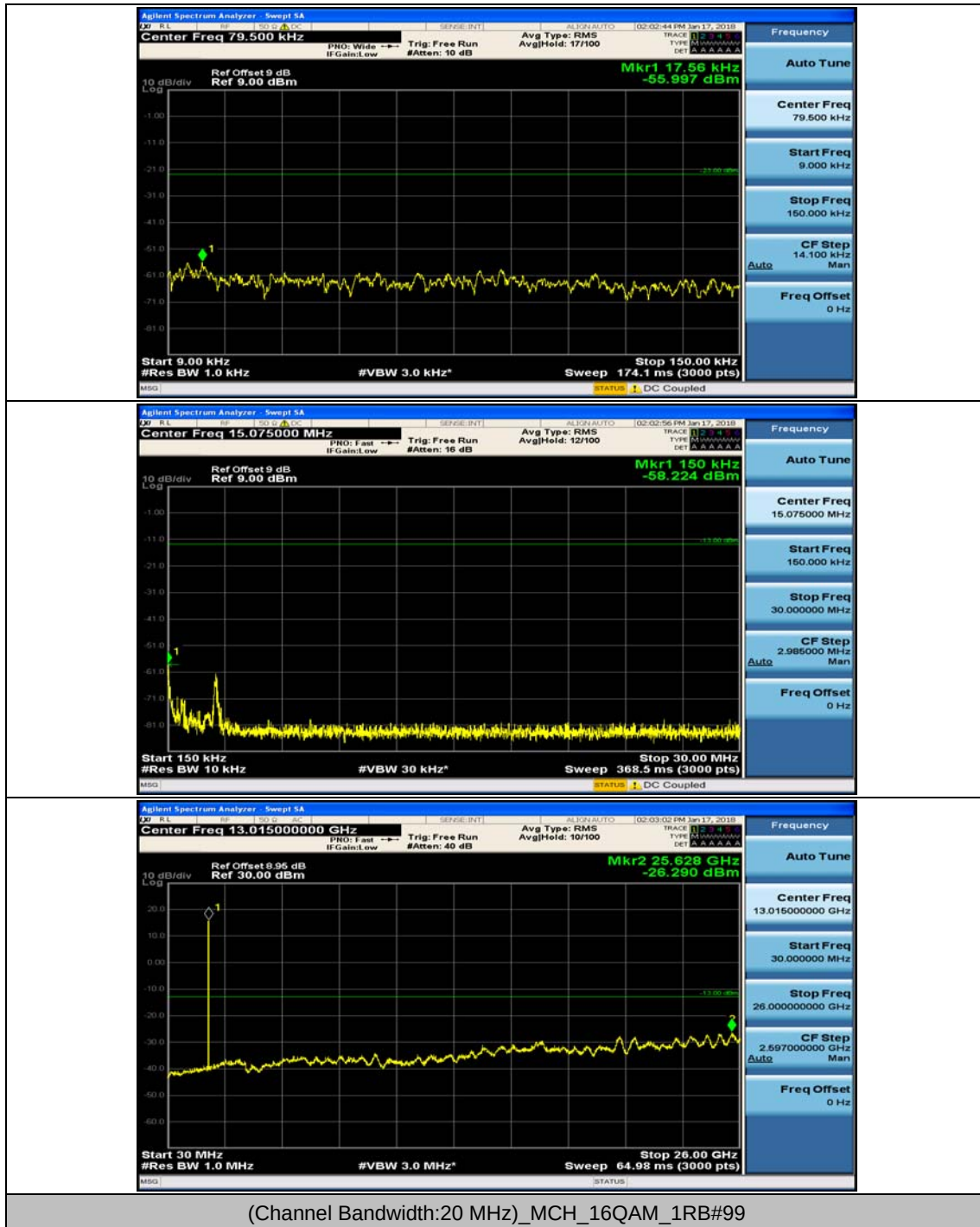


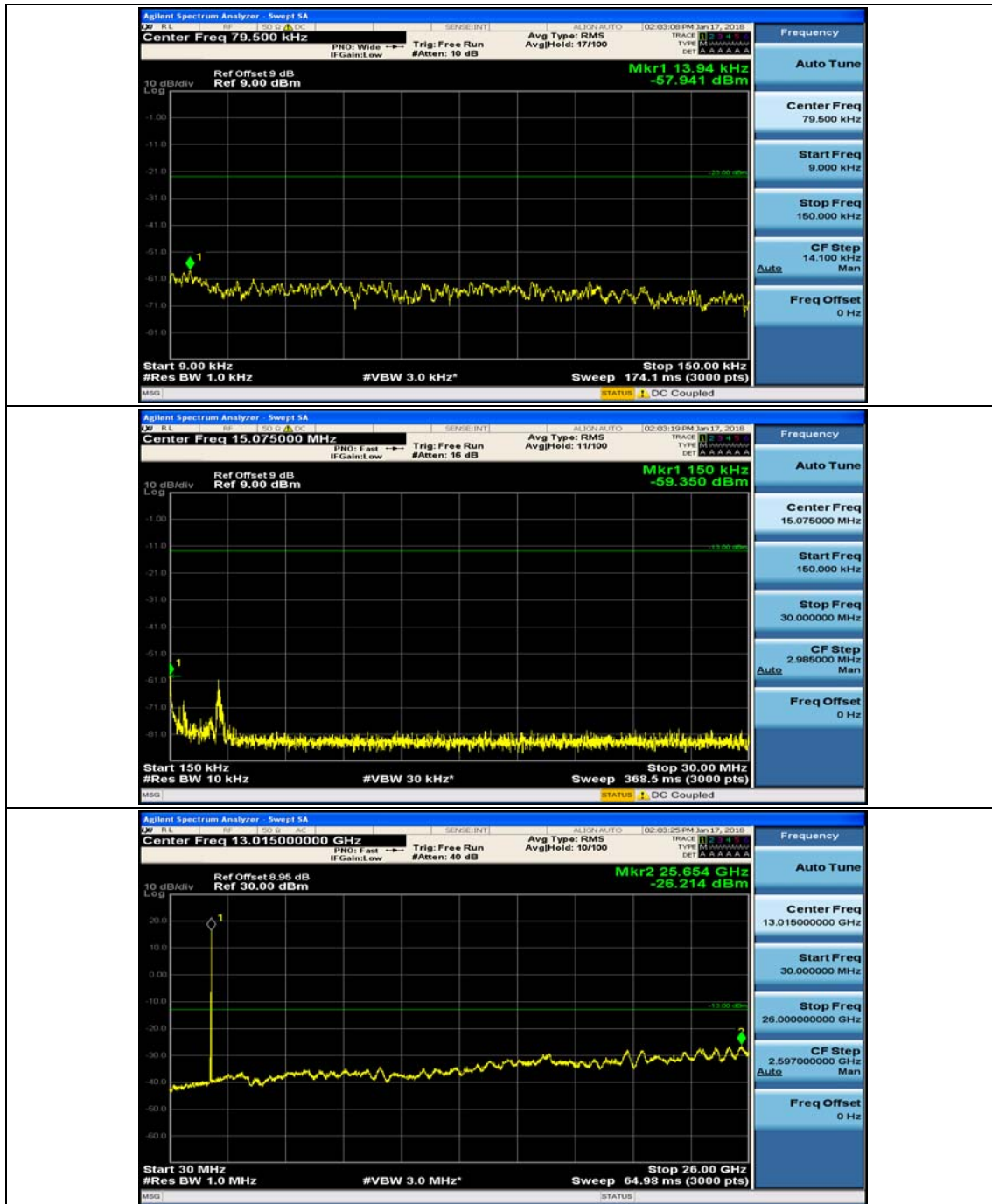


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

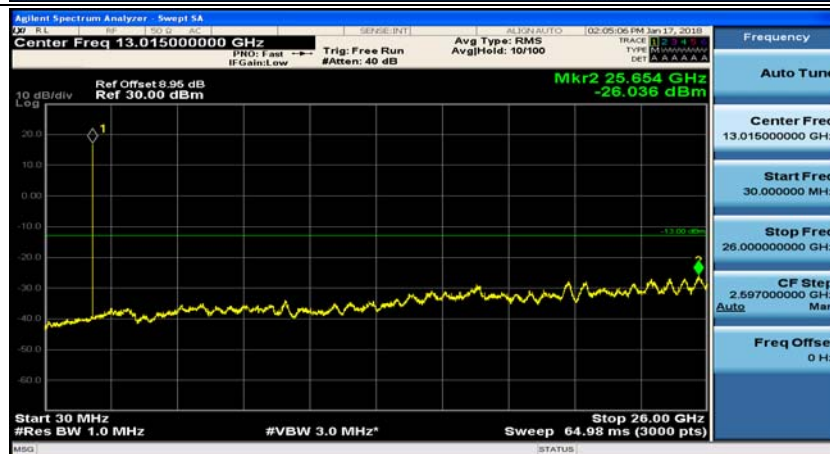
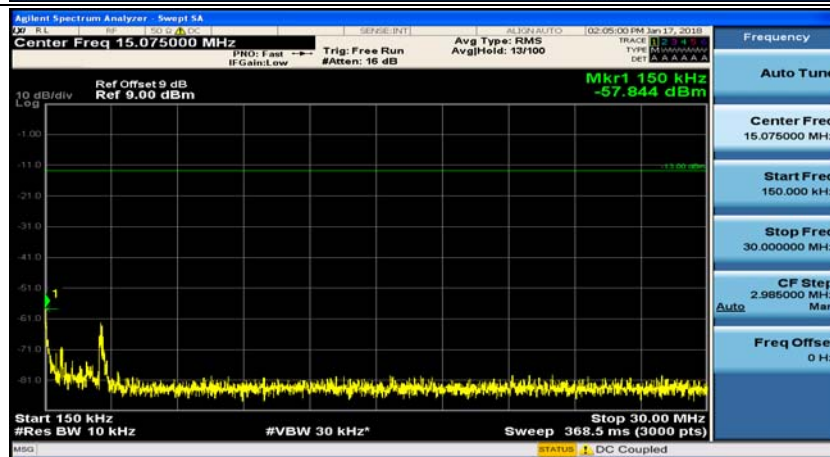


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

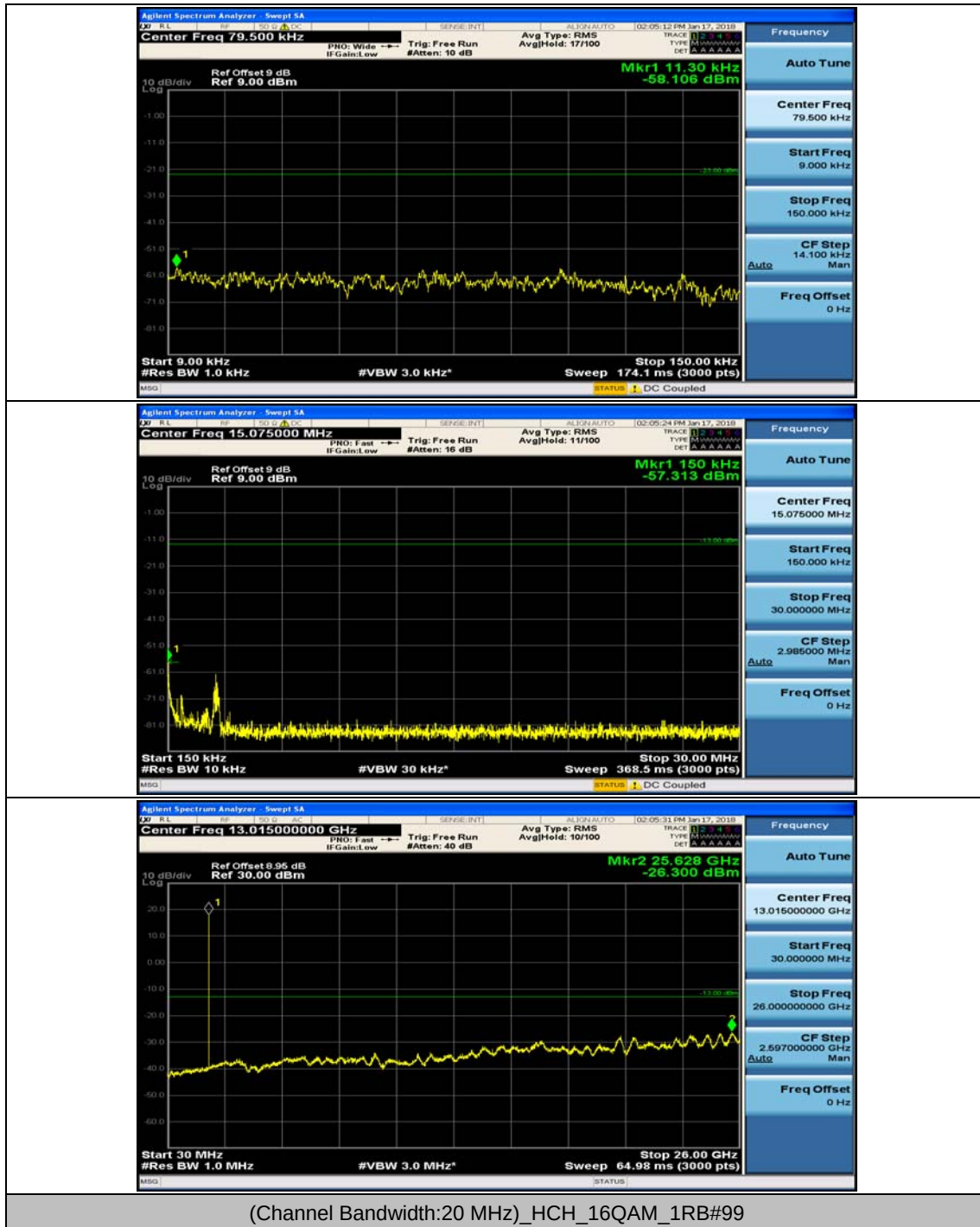


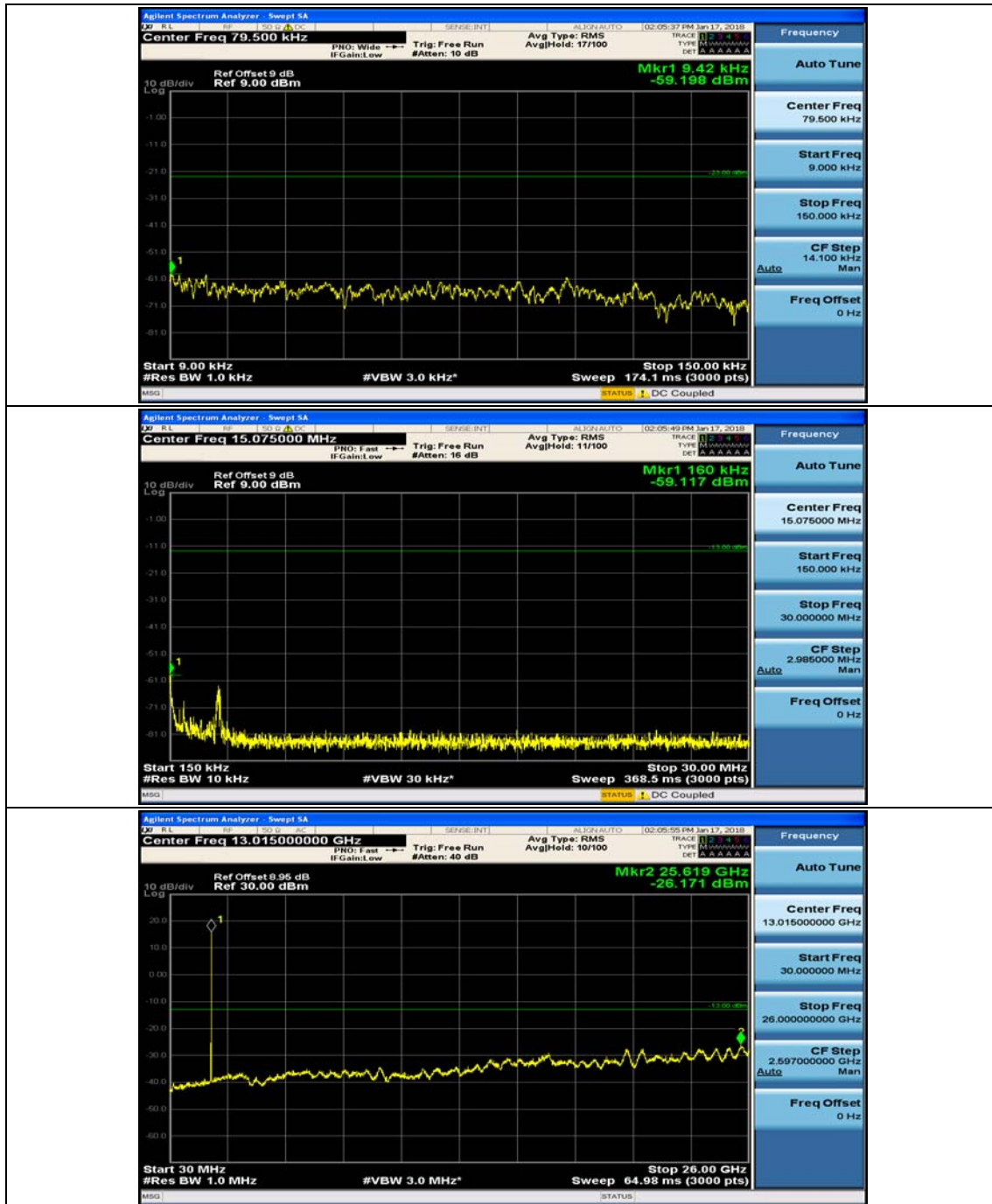


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	4.09	0.002210	± 2.5	PASS
		VN	TN	4.83	0.002610	± 2.5	PASS
		VH	TN	2.79	0.001508	± 2.5	PASS
	MCH	VL	TN	-0.78	-0.000415	± 2.5	PASS
		VN	TN	-1.49	-0.000793	± 2.5	PASS
		VH	TN	2.14	0.001138	± 2.5	PASS
	HCH	VL	TN	-0.17	-0.000089	± 2.5	PASS
		VN	TN	2.49	0.001304	± 2.5	PASS
		VH	TN	4.2	0.002200	± 2.5	PASS
16QAM	LCH	VL	TN	3.48	0.001880	± 2.5	PASS
		VN	TN	4.53	0.002448	± 2.5	PASS
		VH	TN	4.16	0.002248	± 2.5	PASS
	MCH	VL	TN	2.53	0.001346	± 2.5	PASS
		VN	TN	-0.08	-0.000043	± 2.5	PASS
		VH	TN	1.43	0.000761	± 2.5	PASS
	HCH	VL	TN	0.43	0.000225	± 2.5	PASS
		VN	TN	4.36	0.002284	± 2.5	PASS
		VH	TN	0.64	0.000335	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.58	0.001934	± 2.5	PASS
		VN	-20	4.17	0.002253	± 2.5	PASS
		VN	-10	1.2	0.000648	± 2.5	PASS
		VN	0	1.56	0.000843	± 2.5	PASS
		VN	10	-0.03	-0.000016	± 2.5	PASS
		VN	20	1.46	0.000789	± 2.5	PASS
		VN	30	3.87	0.002091	± 2.5	PASS
		VN	40	0.69	0.000373	± 2.5	PASS
		VN	50	4.57	0.002469	± 2.5	PASS
	MCH	VN	-30	1.03	0.000548	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS

		VN	-10	1.4	0.000745	± 2.5	PASS
		VN	0	2.93	0.001559	± 2.5	PASS
		VN	10	2.45	0.001303	± 2.5	PASS
		VN	20	0.26	0.000138	± 2.5	PASS
		VN	30	-1.47	-0.000782	± 2.5	PASS
		VN	40	3.47	0.001846	± 2.5	PASS
		VN	50	4.29	0.002282	± 2.5	PASS
	HCH	VN	-30	3.05	0.001597	± 2.5	PASS
		VN	-20	1.9	0.000995	± 2.5	PASS
		VN	-10	2.94	0.001540	± 2.5	PASS
		VN	0	4.11	0.002153	± 2.5	PASS
		VN	10	1.79	0.000938	± 2.5	PASS
		VN	20	3.32	0.001739	± 2.5	PASS
		VN	30	1.85	0.000969	± 2.5	PASS
		VN	40	-0.71	-0.000372	± 2.5	PASS
		VN	50	0.53	0.000278	± 2.5	PASS
16QAM	LCH	VN	-30	-0.1	-0.000054	± 2.5	PASS
		VN	-20	1.37	0.000740	± 2.5	PASS
		VN	-10	-1.18	-0.000638	± 2.5	PASS
		VN	0	2.5	0.001351	± 2.5	PASS
		VN	10	1.81	0.000978	± 2.5	PASS
		VN	20	1.25	0.000675	± 2.5	PASS
		VN	30	0.35	0.000189	± 2.5	PASS
		VN	40	4.4	0.002377	± 2.5	PASS
		VN	50	0.52	0.000281	± 2.5	PASS
	MCH	VN	-30	3.77	0.002005	± 2.5	PASS
		VN	-20	3.17	0.001686	± 2.5	PASS
		VN	-10	4.34	0.002309	± 2.5	PASS
		VN	0	2.5	0.001330	± 2.5	PASS
		VN	10	0.62	0.000330	± 2.5	PASS
		VN	20	2.98	0.001585	± 2.5	PASS
		VN	30	0.07	0.000037	± 2.5	PASS
		VN	40	-0.03	-0.000016	± 2.5	PASS
		VN	50	4.55	0.002420	± 2.5	PASS
	HCH	VN	-30	-0.96	-0.000503	± 2.5	PASS
		VN	-20	1.02	0.000534	± 2.5	PASS
		VN	-10	1.79	0.000938	± 2.5	PASS
		VN	0	-1.55	-0.000812	± 2.5	PASS
		VN	10	0.32	0.000168	± 2.5	PASS
		VN	20	-0.14	-0.000073	± 2.5	PASS
		VN	30	0.98	0.000513	± 2.5	PASS

		VN	40	0.53	0.000278	± 2.5	PASS
		VN	50	4.55	0.002383	± 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	4.21	0.002274	± 2.5	PASS
		VN	TN	-0.5	-0.000270	± 2.5	PASS
		VH	TN	1.62	0.000875	± 2.5	PASS
	MCH	VL	TN	2.02	0.001074	± 2.5	PASS
		VN	TN	-0.55	-0.000293	± 2.5	PASS
		VH	TN	4.07	0.002165	± 2.5	PASS
	HCH	VL	TN	3.01	0.001577	± 2.5	PASS
		VN	TN	-1.67	-0.000875	± 2.5	PASS
		VH	TN	-1.46	-0.000765	± 2.5	PASS
16QAM	LCH	VL	TN	0.41	0.000221	± 2.5	PASS
		VN	TN	0.45	0.000243	± 2.5	PASS
		VH	TN	-0.56	-0.000302	± 2.5	PASS
	MCH	VL	TN	2.49	0.001324	± 2.5	PASS
		VN	TN	4.71	0.002505	± 2.5	PASS
		VH	TN	-0.04	-0.000021	± 2.5	PASS
	HCH	VL	TN	-1.5	-0.000786	± 2.5	PASS
		VN	TN	-0.03	-0.000016	± 2.5	PASS
		VH	TN	1.5	0.000786	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.83	0.000448	± 2.5	PASS
		VN	-20	3.16	0.001707	± 2.5	PASS
		VN	-10	1.96	0.001059	± 2.5	PASS
		VN	0	1.89	0.001021	± 2.5	PASS
		VN	10	0.68	0.000367	± 2.5	PASS
		VN	20	3.37	0.001820	± 2.5	PASS
		VN	30	-1.22	-0.000659	± 2.5	PASS
		VN	40	0.31	0.000167	± 2.5	PASS
		VN	50	3.98	0.002150	± 2.5	PASS
	MCH	VN	-30	-1.36	-0.000723	± 2.5	PASS
		VN	-20	-0.54	-0.000287	± 2.5	PASS
		VN	-10	0.42	0.000223	± 2.5	PASS

		VN	0	1.46	0.000777	± 2.5	PASS
		VN	10	3.03	0.001612	± 2.5	PASS
		VN	20	0.39	0.000207	± 2.5	PASS
		VN	30	0.08	0.000043	± 2.5	PASS
		VN	40	1.62	0.000862	± 2.5	PASS
		VN	50	1.16	0.000617	± 2.5	PASS
	HCH	VN	-30	2.62	0.001373	± 2.5	PASS
		VN	-20	0.55	0.000288	± 2.5	PASS
		VN	-10	0.07	0.000037	± 2.5	PASS
		VN	0	2.16	0.001132	± 2.5	PASS
		VN	10	-0.88	-0.000461	± 2.5	PASS
		VN	20	2.34	0.001226	± 2.5	PASS
		VN	30	1.32	0.000692	± 2.5	PASS
		VN	40	-0.7	-0.000367	± 2.5	PASS
		VN	50	-1.17	-0.000613	± 2.5	PASS
16QAM	LCH	VN	-30	3.47	0.001874	± 2.5	PASS
		VN	-20	1.6	0.000864	± 2.5	PASS
		VN	-10	2.42	0.001307	± 2.5	PASS
		VN	0	-0.39	-0.000211	± 2.5	PASS
		VN	10	4.38	0.002366	± 2.5	PASS
		VN	20	4.64	0.002506	± 2.5	PASS
		VN	30	-1.29	-0.000697	± 2.5	PASS
		VN	40	2.85	0.001539	± 2.5	PASS
		VN	50	3.11	0.001680	± 2.5	PASS
	MCH	VN	-30	-1.78	-0.000947	± 2.5	PASS
		VN	-20	4.29	0.002282	± 2.5	PASS
		VN	-10	1.35	0.000718	± 2.5	PASS
		VN	0	4.57	0.002431	± 2.5	PASS
		VN	10	4.62	0.002457	± 2.5	PASS
		VN	20	-0.71	-0.000378	± 2.5	PASS
		VN	30	2.35	0.001250	± 2.5	PASS
		VN	40	-0.4	-0.000213	± 2.5	PASS
		VN	50	3.84	0.002043	± 2.5	PASS
	HCH	VN	-30	0.43	0.000225	± 2.5	PASS
		VN	-20	1.45	0.000760	± 2.5	PASS
		VN	-10	3.67	0.001923	± 2.5	PASS
		VN	0	1.4	0.000734	± 2.5	PASS
		VN	10	2.97	0.001556	± 2.5	PASS
		VN	20	-0.99	-0.000519	± 2.5	PASS
		VN	30	4.48	0.002347	± 2.5	PASS
		VN	40	1.04	0.000545	± 2.5	PASS

		VN	50	0.13	0.000068	± 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	-0.15	-0.000081	± 2.5	PASS
		VN	TN	-0.97	-0.000524	± 2.5	PASS
		VH	TN	-0.76	-0.000410	± 2.5	PASS
	MCH	VL	TN	-0.11	-0.000059	± 2.5	PASS
		VN	TN	0.31	0.000165	± 2.5	PASS
		VH	TN	1.54	0.000819	± 2.5	PASS
	HCH	VL	TN	0.08	0.000042	± 2.5	PASS
		VN	TN	0.98	0.000514	± 2.5	PASS
		VH	TN	0.94	0.000493	± 2.5	PASS
16QAM	LCH	VL	TN	0.55	0.000297	± 2.5	PASS
		VN	TN	-0.12	-0.000065	± 2.5	PASS
		VH	TN	1.28	0.000691	± 2.5	PASS
	MCH	VL	TN	2.82	0.001500	± 2.5	PASS
		VN	TN	4.59	0.002441	± 2.5	PASS
		VH	TN	1.1	0.000585	± 2.5	PASS
	HCH	VL	TN	1.67	0.000875	± 2.5	PASS
		VN	TN	1.46	0.000765	± 2.5	PASS
		VH	TN	1.15	0.000603	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.2	0.002267	± 2.5	PASS
		VN	-20	-1.42	-0.000767	± 2.5	PASS
		VN	-10	-0.69	-0.000372	± 2.5	PASS
		VN	0	0.66	0.000356	± 2.5	PASS
		VN	10	0.97	0.000524	± 2.5	PASS
		VN	20	4.29	0.002316	± 2.5	PASS
		VN	30	-0.95	-0.000513	± 2.5	PASS
		VN	40	1.23	0.000664	± 2.5	PASS
		VN	50	4.22	0.002278	± 2.5	PASS
	MCH	VN	-30	-1.67	-0.000888	± 2.5	PASS
		VN	-20	1.98	0.001053	± 2.5	PASS
		VN	-10	-0.09	-0.000048	± 2.5	PASS
		VN	0	0.65	0.000346	± 2.5	PASS

		VN	10	-1.29	-0.000686	± 2.5	PASS
		VN	20	-1.9	-0.001011	± 2.5	PASS
		VN	30	3.27	0.001739	± 2.5	PASS
		VN	40	2.18	0.001160	± 2.5	PASS
		VN	50	1.42	0.000755	± 2.5	PASS
	HCH	VN	-30	3.82	0.002003	± 2.5	PASS
		VN	-20	2.55	0.001337	± 2.5	PASS
		VN	-10	0.12	0.000063	± 2.5	PASS
		VN	0	-0.26	-0.000136	± 2.5	PASS
		VN	10	-1	-0.000524	± 2.5	PASS
		VN	20	2.74	0.001436	± 2.5	PASS
		VN	30	0.97	0.000509	± 2.5	PASS
		VN	40	3.48	0.001824	± 2.5	PASS
		VN	50	-0.75	-0.000393	± 2.5	PASS
		VN	-30	4.1	0.002213	± 2.5	PASS
16QAM	LCH	VN	-20	-1.41	-0.000761	± 2.5	PASS
		VN	-10	0.32	0.000173	± 2.5	PASS
		VN	0	1.79	0.000966	± 2.5	PASS
		VN	10	-1.82	-0.000982	± 2.5	PASS
		VN	20	-0.38	-0.000205	± 2.5	PASS
		VN	30	-0.16	-0.000086	± 2.5	PASS
		VN	40	3.23	0.001744	± 2.5	PASS
		VN	50	3.62	0.001954	± 2.5	PASS
	MCH	VN	-30	1.12	0.000596	± 2.5	PASS
		VN	-20	3.07	0.001633	± 2.5	PASS
		VN	-10	3.45	0.001835	± 2.5	PASS
		VN	0	1.53	0.000814	± 2.5	PASS
		VN	10	-1.48	-0.000787	± 2.5	PASS
		VN	20	1.58	0.000840	± 2.5	PASS
		VN	30	4.7	0.002500	± 2.5	PASS
		VN	40	-1.15	-0.000612	± 2.5	PASS
		VN	50	4.16	0.002213	± 2.5	PASS
	HCH	VN	-30	2	0.001048	± 2.5	PASS
		VN	-20	-0.64	-0.000336	± 2.5	PASS
		VN	-10	4.77	0.002501	± 2.5	PASS
		VN	0	-1.99	-0.001043	± 2.5	PASS
		VN	10	1.44	0.000755	± 2.5	PASS
		VN	20	1.92	0.001007	± 2.5	PASS
		VN	30	1.11	0.000582	± 2.5	PASS
		VN	40	0.68	0.000356	± 2.5	PASS
		VN	50	-0.6	-0.000315	± 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	-1.71	-0.000922	± 2.5	PASS
		VN	TN	-1.26	-0.000679	± 2.5	PASS
		VH	TN	0.69	0.000372	± 2.5	PASS
	MCH	VL	TN	-1.77	-0.000941	± 2.5	PASS
		VN	TN	3.63	0.001931	± 2.5	PASS
		VH	TN	2.81	0.001495	± 2.5	PASS
	HCH	VL	TN	-1.04	-0.000546	± 2.5	PASS
		VN	TN	2.82	0.001480	± 2.5	PASS
		VH	TN	-1.52	-0.000798	± 2.5	PASS
16QAM	LCH	VL	TN	-1.7	-0.000916	± 2.5	PASS
		VN	TN	2.41	0.001299	± 2.5	PASS
		VH	TN	1.22	0.000658	± 2.5	PASS
	MCH	VL	TN	3.95	0.002101	± 2.5	PASS
		VN	TN	4.81	0.002559	± 2.5	PASS
		VH	TN	-0.05	-0.000027	± 2.5	PASS
	HCH	VL	TN	1	0.000525	± 2.5	PASS
		VN	TN	3.48	0.001827	± 2.5	PASS
		VH	TN	4.38	0.002299	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-1.13	-0.000609	± 2.5	PASS
		VN	-20	3.18	0.001714	± 2.5	PASS
		VN	-10	-0.26	-0.000140	± 2.5	PASS
		VN	0	1.21	0.000652	± 2.5	PASS
		VN	10	-1.38	-0.000744	± 2.5	PASS
		VN	20	3.24	0.001747	± 2.5	PASS
		VN	30	0.2	0.000108	± 2.5	PASS
		VN	40	0.96	0.000518	± 2.5	PASS
		VN	50	0.53	0.000286	± 2.5	PASS
	MCH	VN	-30	2.19	0.001165	± 2.5	PASS
		VN	-20	-1.91	-0.001016	± 2.5	PASS
		VN	-10	2.9	0.001543	± 2.5	PASS
		VN	0	-0.5	-0.000266	± 2.5	PASS
		VN	10	2	0.001064	± 2.5	PASS
		VN	20	1.93	0.001027	± 2.5	PASS

		VN	30	2.86	0.001521	± 2.5	PASS
		VN	40	0.23	0.000122	± 2.5	PASS
		VN	50	4.35	0.002314	± 2.5	PASS
	HCH	VN	-30	-0.87	-0.000457	± 2.5	PASS
		VN	-20	-0.64	-0.000336	± 2.5	PASS
		VN	-10	3.84	0.002016	± 2.5	PASS
		VN	0	4.68	0.002457	± 2.5	PASS
		VN	10	3.76	0.001974	± 2.5	PASS
		VN	20	4.22	0.002215	± 2.5	PASS
		VN	30	1.79	0.000940	± 2.5	PASS
		VN	40	-0.95	-0.000499	± 2.5	PASS
		VN	50	3.57	0.001874	± 2.5	PASS
QPSK	LCH	VN	-30	2.82	0.001520	± 2.5	PASS
		VN	-20	4.41	0.002377	± 2.5	PASS
		VN	-10	-1.68	-0.000906	± 2.5	PASS
		VN	0	0.9	0.000485	± 2.5	PASS
		VN	10	3.04	0.001639	± 2.5	PASS
		VN	20	3.4	0.001833	± 2.5	PASS
		VN	30	-0.72	-0.000388	± 2.5	PASS
		VN	40	0.15	0.000081	± 2.5	PASS
		VN	50	-1.41	-0.000760	± 2.5	PASS
	MCH	VN	-30	4.34	0.002309	± 2.5	PASS
		VN	-20	-1.52	-0.000809	± 2.5	PASS
		VN	-10	-0.05	-0.000027	± 2.5	PASS
		VN	0	3.07	0.001633	± 2.5	PASS
		VN	10	3.86	0.002053	± 2.5	PASS
		VN	20	3.49	0.001856	± 2.5	PASS
		VN	30	-1.42	-0.000755	± 2.5	PASS
		VN	40	4.9	0.002606	± 2.5	PASS
		VN	50	0.67	0.000356	± 2.5	PASS
	HCH	VN	-30	4.46	0.002341	± 2.5	PASS
		VN	-20	3.37	0.001769	± 2.5	PASS
		VN	-10	-1.62	-0.000850	± 2.5	PASS
		VN	0	4.29	0.002252	± 2.5	PASS
		VN	10	1.54	0.000808	± 2.5	PASS
		VN	20	-0.69	-0.000362	± 2.5	PASS
		VN	30	1.1	0.000577	± 2.5	PASS
		VN	40	2.03	0.001066	± 2.5	PASS
		VN	50	2.78	0.001459	± 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	3	0.001615	± 2.5	PASS
		VN	TN	-0.24	-0.000129	± 2.5	PASS
		VH	TN	4.29	0.002310	± 2.5	PASS
	MCH	VL	TN	-1.01	-0.000537	± 2.5	PASS
		VN	TN	1.15	0.000612	± 2.5	PASS
		VH	TN	1.58	0.000840	± 2.5	PASS
	HCH	VL	TN	4.11	0.002160	± 2.5	PASS
		VN	TN	2.79	0.001466	± 2.5	PASS
		VH	TN	2.2	0.001156	± 2.5	PASS
16QAM	LCH	VL	TN	4.05	0.002180	± 2.5	PASS
		VN	TN	3.17	0.001707	± 2.5	PASS
		VH	TN	2.09	0.001125	± 2.5	PASS
	MCH	VL	TN	1.57	0.000835	± 2.5	PASS
		VN	TN	0.7	0.000372	± 2.5	PASS
		VH	TN	0.52	0.000277	± 2.5	PASS
	HCH	VL	TN	3.37	0.001771	± 2.5	PASS
		VN	TN	-0.22	-0.000116	± 2.5	PASS
		VH	TN	2.99	0.001572	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.86	-0.001001	± 2.5	PASS
		VN	-20	3.85	0.002073	± 2.5	PASS
		VN	-10	2.33	0.001254	± 2.5	PASS
		VN	0	1.32	0.000711	± 2.5	PASS
		VN	10	-0.34	-0.000183	± 2.5	PASS
		VN	20	2.54	0.001367	± 2.5	PASS
		VN	30	-1.34	-0.000721	± 2.5	PASS
		VN	40	4.63	0.002493	± 2.5	PASS
		VN	50	-0.3	-0.000162	± 2.5	PASS
	MCH	VN	-30	2.43	0.001293	± 2.5	PASS
		VN	-20	1.13	0.000601	± 2.5	PASS
		VN	-10	3.5	0.001862	± 2.5	PASS
		VN	0	0.59	0.000314	± 2.5	PASS
		VN	10	4.47	0.002378	± 2.5	PASS
		VN	20	0.16	0.000085	± 2.5	PASS

		VN	30	-1.54	-0.000819	± 2.5	PASS
		VN	40	3.52	0.001872	± 2.5	PASS
		VN	50	-1.1	-0.000585	± 2.5	PASS
	HCH	VN	-30	-1.01	-0.000531	± 2.5	PASS
		VN	-20	1.55	0.000815	± 2.5	PASS
		VN	-10	2.14	0.001125	± 2.5	PASS
		VN	0	1.86	0.000978	± 2.5	PASS
		VN	10	4.34	0.002281	± 2.5	PASS
		VN	20	2.88	0.001514	± 2.5	PASS
		VN	30	3.87	0.002034	± 2.5	PASS
		VN	40	0.43	0.000226	± 2.5	PASS
		VN	50	1.14	0.000599	± 2.5	PASS
16QAM	LCH	VN	-30	-1.78	-0.000958	± 2.5	PASS
		VN	-20	0.62	0.000334	± 2.5	PASS
		VN	-10	-1.42	-0.000764	± 2.5	PASS
		VN	0	-0.88	-0.000474	± 2.5	PASS
		VN	10	2.38	0.001281	± 2.5	PASS
		VN	20	0.07	0.000038	± 2.5	PASS
		VN	30	4.82	0.002595	± 2.5	PASS
		VN	40	-1.47	-0.000791	± 2.5	PASS
		VN	50	-1.28	-0.000689	± 2.5	PASS
	MCH	VN	-30	-1.12	-0.000596	± 2.5	PASS
		VN	-20	3.95	0.002101	± 2.5	PASS
		VN	-10	4.35	0.002314	± 2.5	PASS
		VN	0	0.86	0.000457	± 2.5	PASS
		VN	10	2.56	0.001362	± 2.5	PASS
		VN	20	4.52	0.002404	± 2.5	PASS
		VN	30	4.29	0.002282	± 2.5	PASS
		VN	40	1.16	0.000617	± 2.5	PASS
		VN	50	1.02	0.000543	± 2.5	PASS
	HCH	VN	-30	-0.12	-0.000063	± 2.5	PASS
		VN	-20	3.92	0.002060	± 2.5	PASS
		VN	-10	3.61	0.001898	± 2.5	PASS
		VN	0	4.94	0.002597	± 2.5	PASS
		VN	10	1.3	0.000683	± 2.5	PASS
		VN	20	4.09	0.002150	± 2.5	PASS
		VN	30	2.53	0.001330	± 2.5	PASS
		VN	40	2.82	0.001482	± 2.5	PASS
		VN	50	3.13	0.001645	± 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	-1.35	-0.000726	± 2.5	PASS
		VN	TN	1.33	0.000715	± 2.5	PASS
		VH	TN	2.94	0.001581	± 2.5	PASS
	MCH	VL	TN	-1.3	-0.000691	± 2.5	PASS
		VN	TN	3.35	0.001782	± 2.5	PASS
		VH	TN	0.81	0.000431	± 2.5	PASS
	HCH	VL	TN	-1.77	-0.000932	± 2.5	PASS
		VN	TN	-0.46	-0.000242	± 2.5	PASS
		VH	TN	-0.84	-0.000442	± 2.5	PASS
16QAM	LCH	VL	TN	-1.93	-0.001038	± 2.5	PASS
		VN	TN	1.01	0.000543	± 2.5	PASS
		VH	TN	3.25	0.001747	± 2.5	PASS
	MCH	VL	TN	0.42	0.000223	± 2.5	PASS
		VN	TN	-1.37	-0.000729	± 2.5	PASS
		VH	TN	1.87	0.000995	± 2.5	PASS
	HCH	VL	TN	3.44	0.001811	± 2.5	PASS
		VN	TN	1.89	0.000995	± 2.5	PASS
		VH	TN	4.16	0.002189	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.52	0.001892	± 2.5	PASS
		VN	-20	-0.39	-0.000210	± 2.5	PASS
		VN	-10	-0.48	-0.000258	± 2.5	PASS
		VN	0	2.77	0.001489	± 2.5	PASS
		VN	10	4.51	0.002425	± 2.5	PASS
		VN	20	-0.68	-0.000366	± 2.5	PASS
		VN	30	-1.64	-0.000882	± 2.5	PASS
		VN	40	2.38	0.001280	± 2.5	PASS
		VN	50	-1.31	-0.000704	± 2.5	PASS
	MCH	VN	-30	2.76	0.001468	± 2.5	PASS
		VN	-20	0.02	0.000011	± 2.5	PASS
		VN	-10	2.55	0.001356	± 2.5	PASS
		VN	0	3.12	0.001660	± 2.5	PASS
		VN	10	1.99	0.001059	± 2.5	PASS
		VN	20	0.39	0.000207	± 2.5	PASS

		VN	30	1.43	0.000761	± 2.5	PASS
		VN	40	3.99	0.002122	± 2.5	PASS
		VN	50	4.07	0.002165	± 2.5	PASS
	HCH	VN	-30	2.87	0.001511	± 2.5	PASS
		VN	-20	3.53	0.001858	± 2.5	PASS
		VN	-10	1.85	0.000974	± 2.5	PASS
		VN	0	3.97	0.002089	± 2.5	PASS
		VN	10	4.82	0.002537	± 2.5	PASS
		VN	20	-0.51	-0.000268	± 2.5	PASS
		VN	30	-0.49	-0.000258	± 2.5	PASS
		VN	40	3.52	0.001853	± 2.5	PASS
		VN	50	4.12	0.002168	± 2.5	PASS
16QAM	LCH	VN	-30	-0.57	-0.000306	± 2.5	PASS
		VN	-20	3.24	0.001742	± 2.5	PASS
		VN	-10	0.29	0.000156	± 2.5	PASS
		VN	0	1.61	0.000866	± 2.5	PASS
		VN	10	3.1	0.001667	± 2.5	PASS
		VN	20	-1.35	-0.000726	± 2.5	PASS
		VN	30	3.67	0.001973	± 2.5	PASS
		VN	40	-0.1	-0.000054	± 2.5	PASS
		VN	50	4.13	0.002220	± 2.5	PASS
	MCH	VN	-30	2.41	0.001282	± 2.5	PASS
		VN	-20	2.69	0.001431	± 2.5	PASS
		VN	-10	3.36	0.001787	± 2.5	PASS
		VN	0	2.6	0.001383	± 2.5	PASS
		VN	10	3.54	0.001883	± 2.5	PASS
		VN	20	4.38	0.002330	± 2.5	PASS
		VN	30	2.49	0.001324	± 2.5	PASS
		VN	40	-1.69	-0.000899	± 2.5	PASS
		VN	50	-0.73	-0.000388	± 2.5	PASS
	HCH	VN	-30	-1.14	-0.000600	± 2.5	PASS
		VN	-20	-1.61	-0.000847	± 2.5	PASS
		VN	-10	4.12	0.002168	± 2.5	PASS
		VN	0	-0.33	-0.000174	± 2.5	PASS
		VN	10	1.79	0.000942	± 2.5	PASS
		VN	20	-0.06	-0.000032	± 2.5	PASS
		VN	30	3.21	0.001689	± 2.5	PASS
		VN	40	-0.18	-0.000095	± 2.5	PASS
		VN	50	4.25	0.002237	± 2.5	PASS