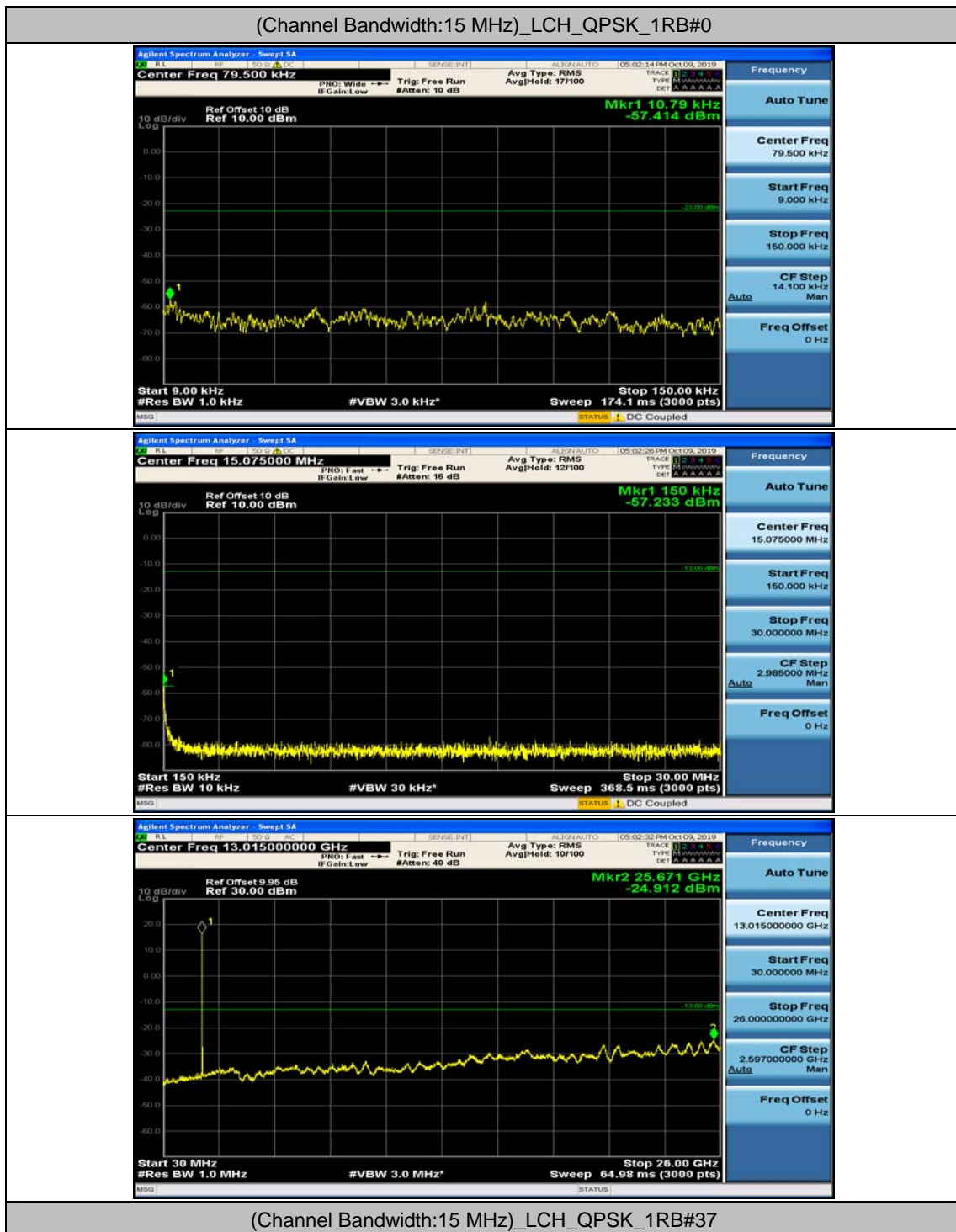
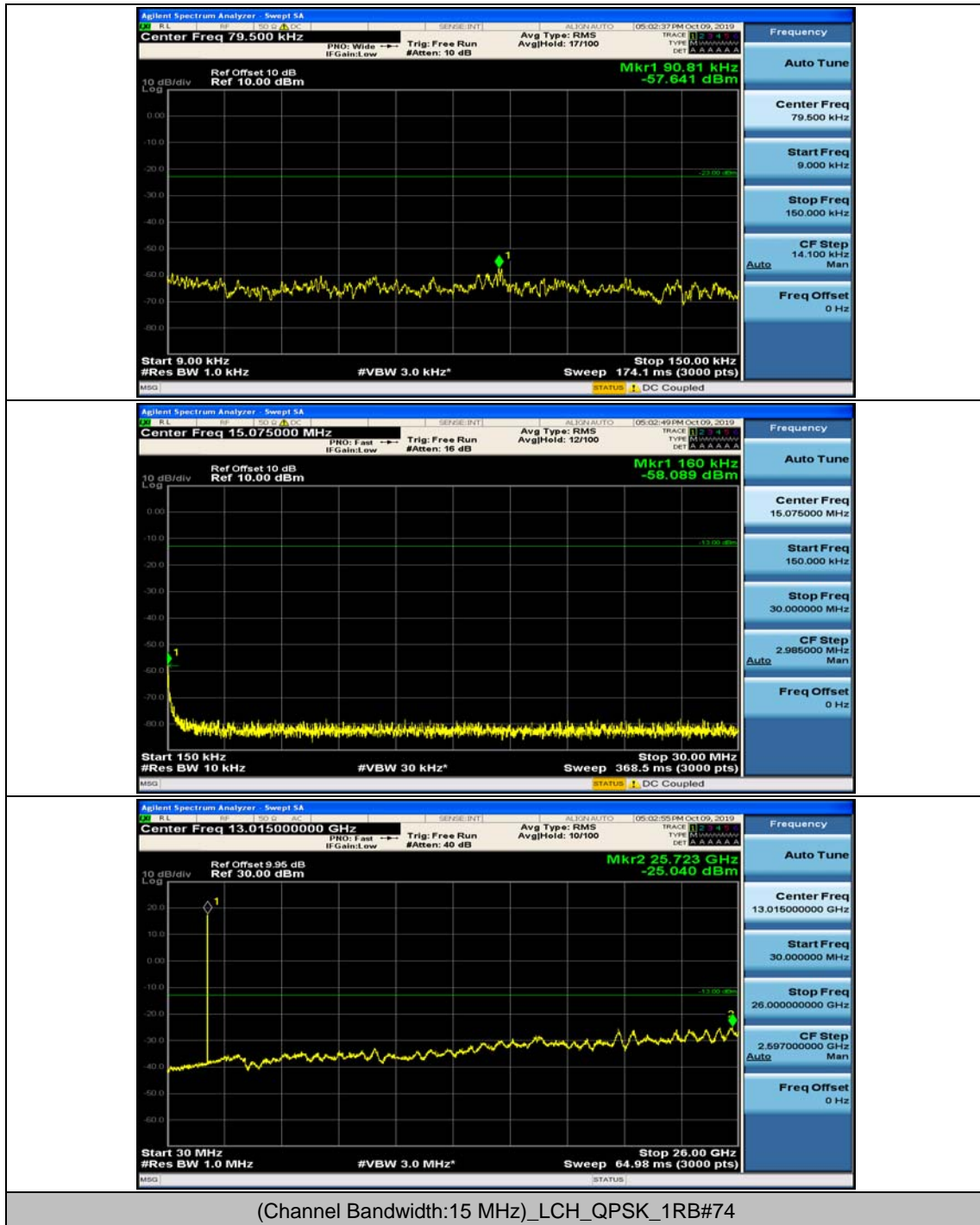
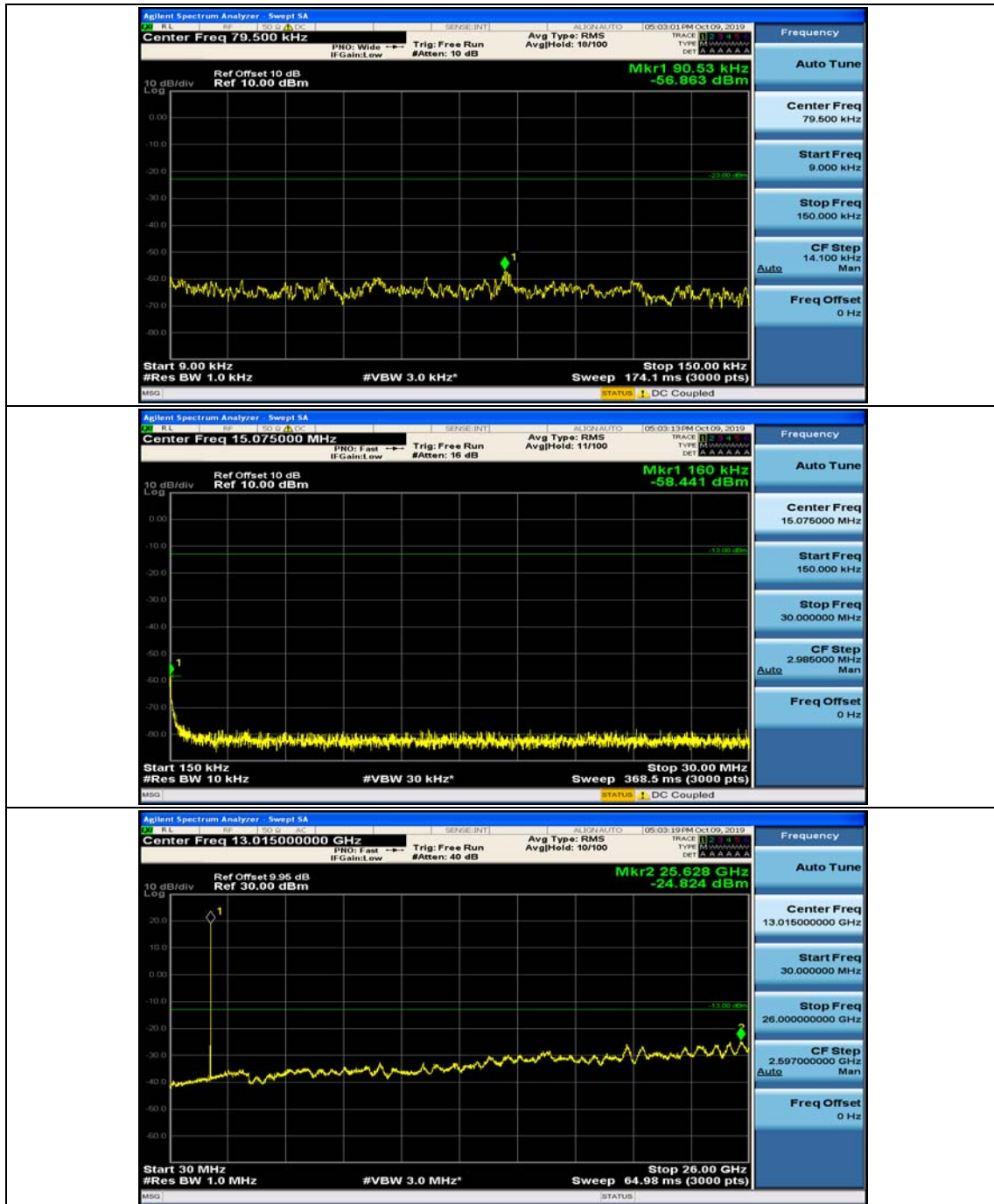


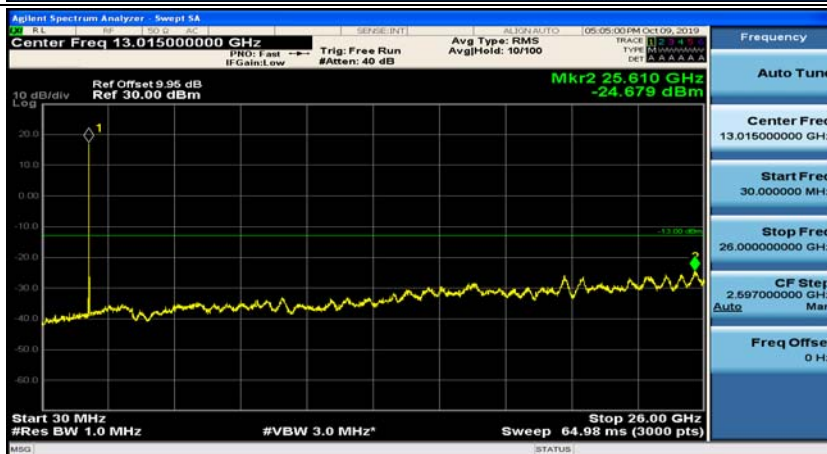
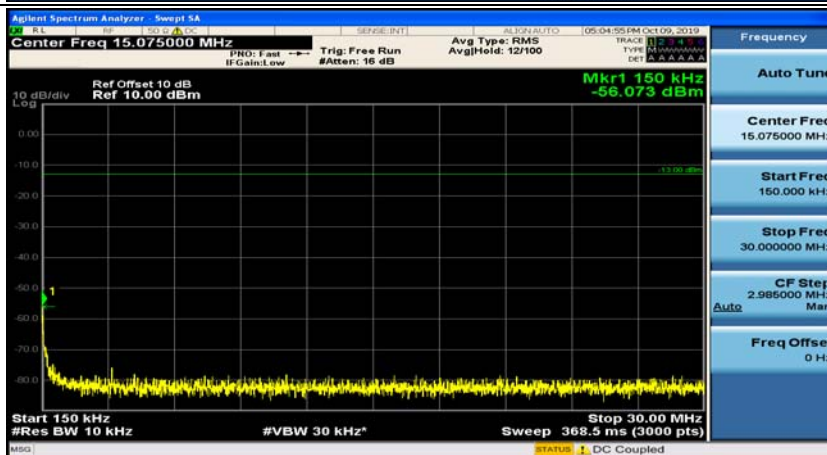
Channel Bandwidth: 15 MHz



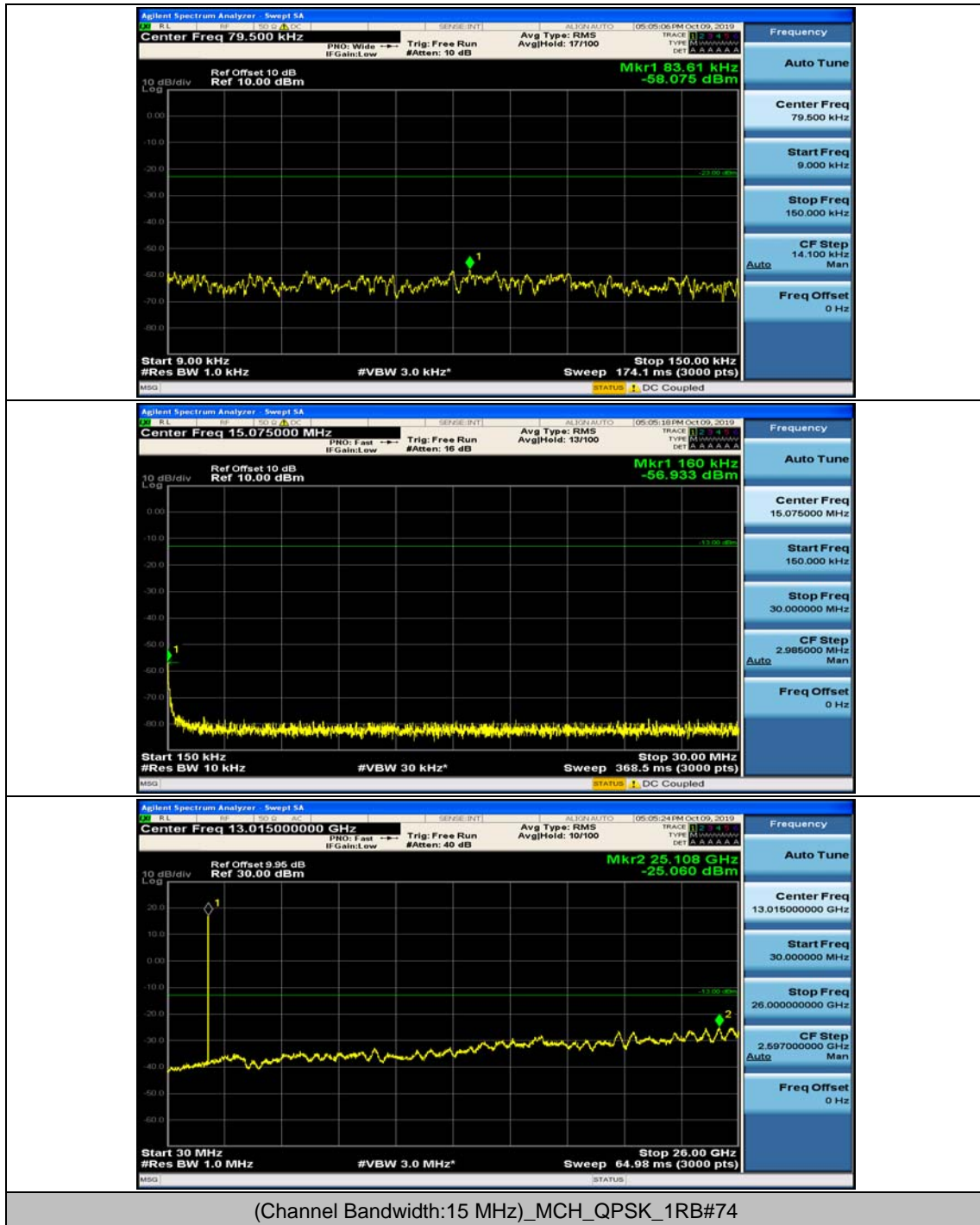


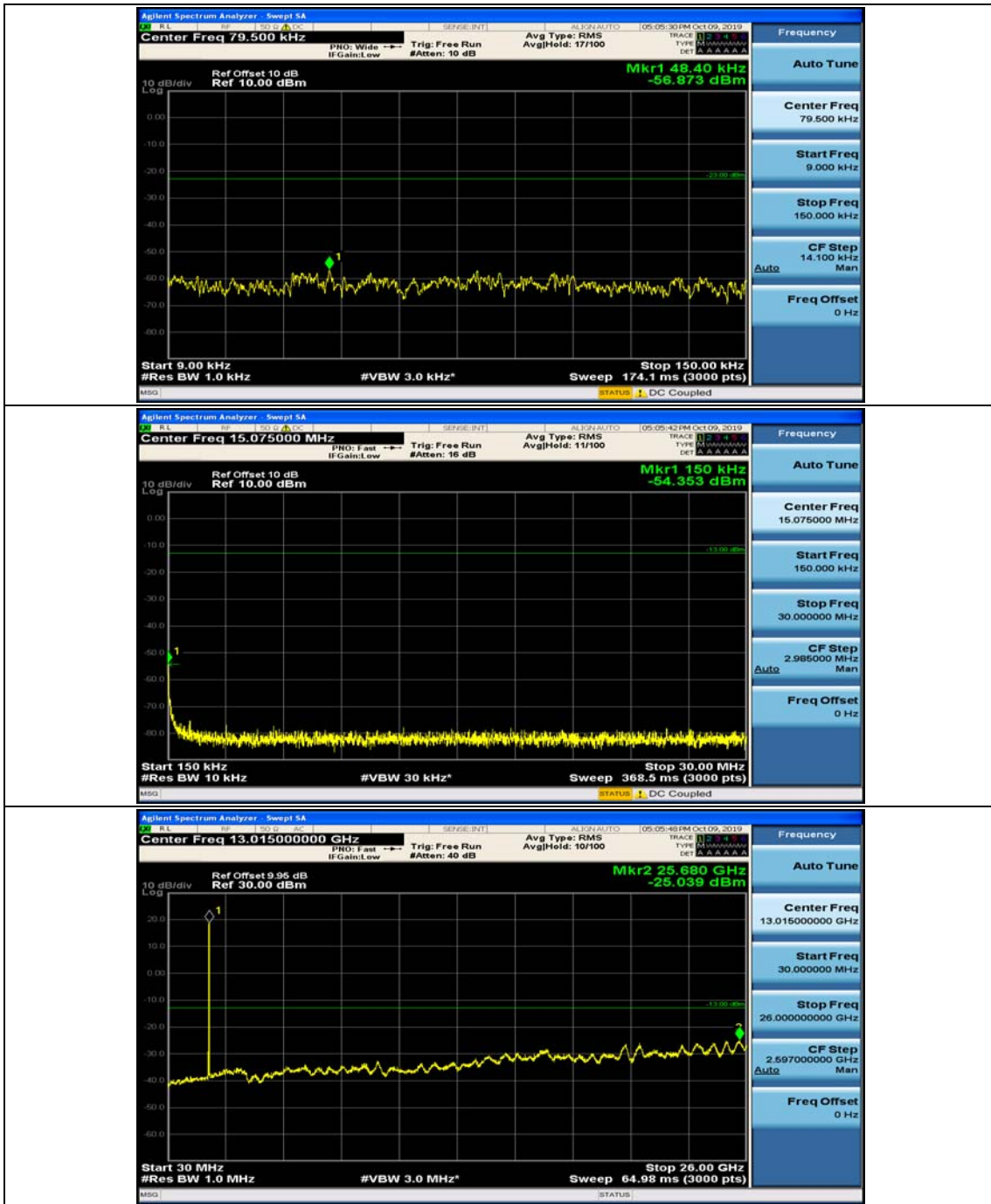


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

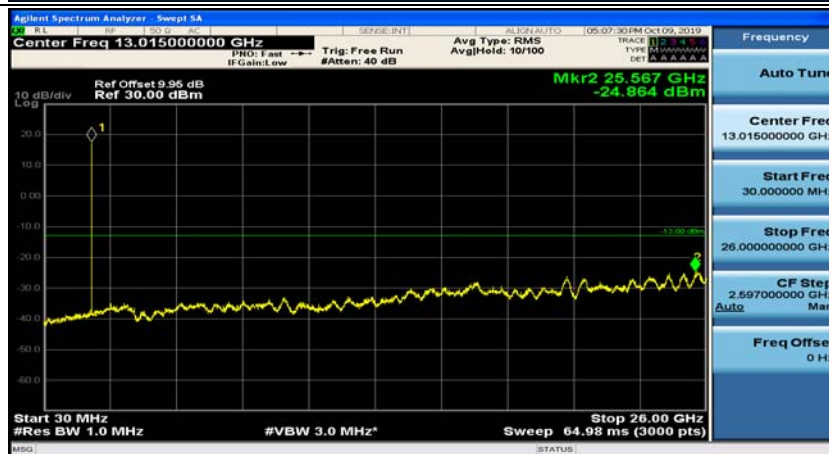
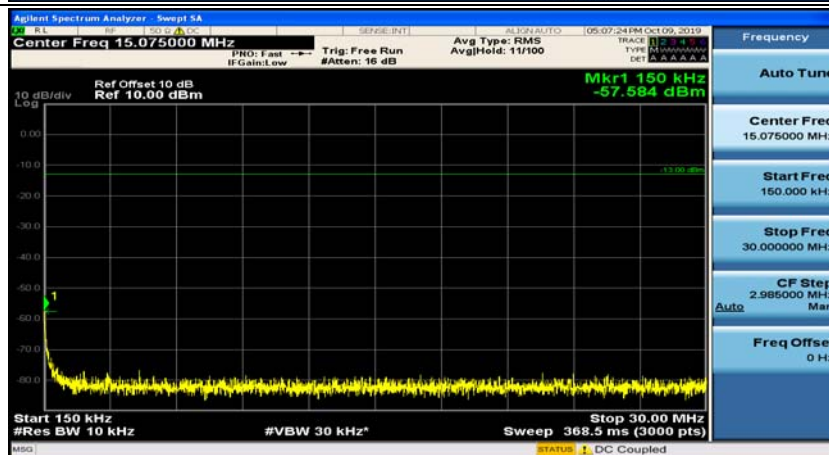
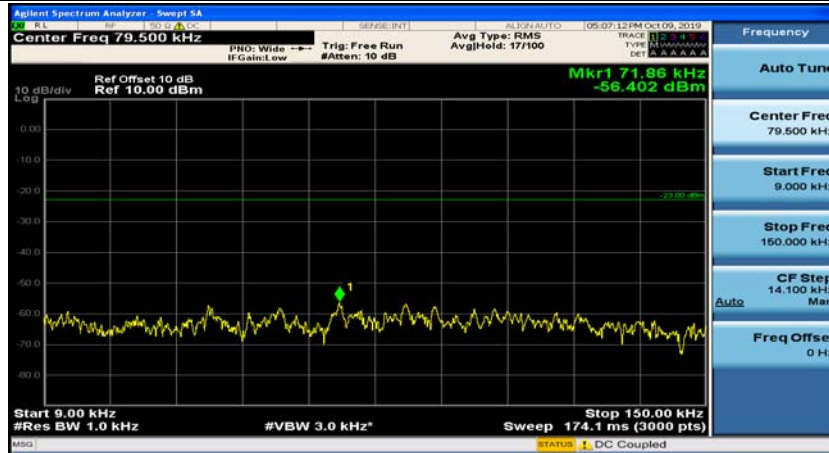


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

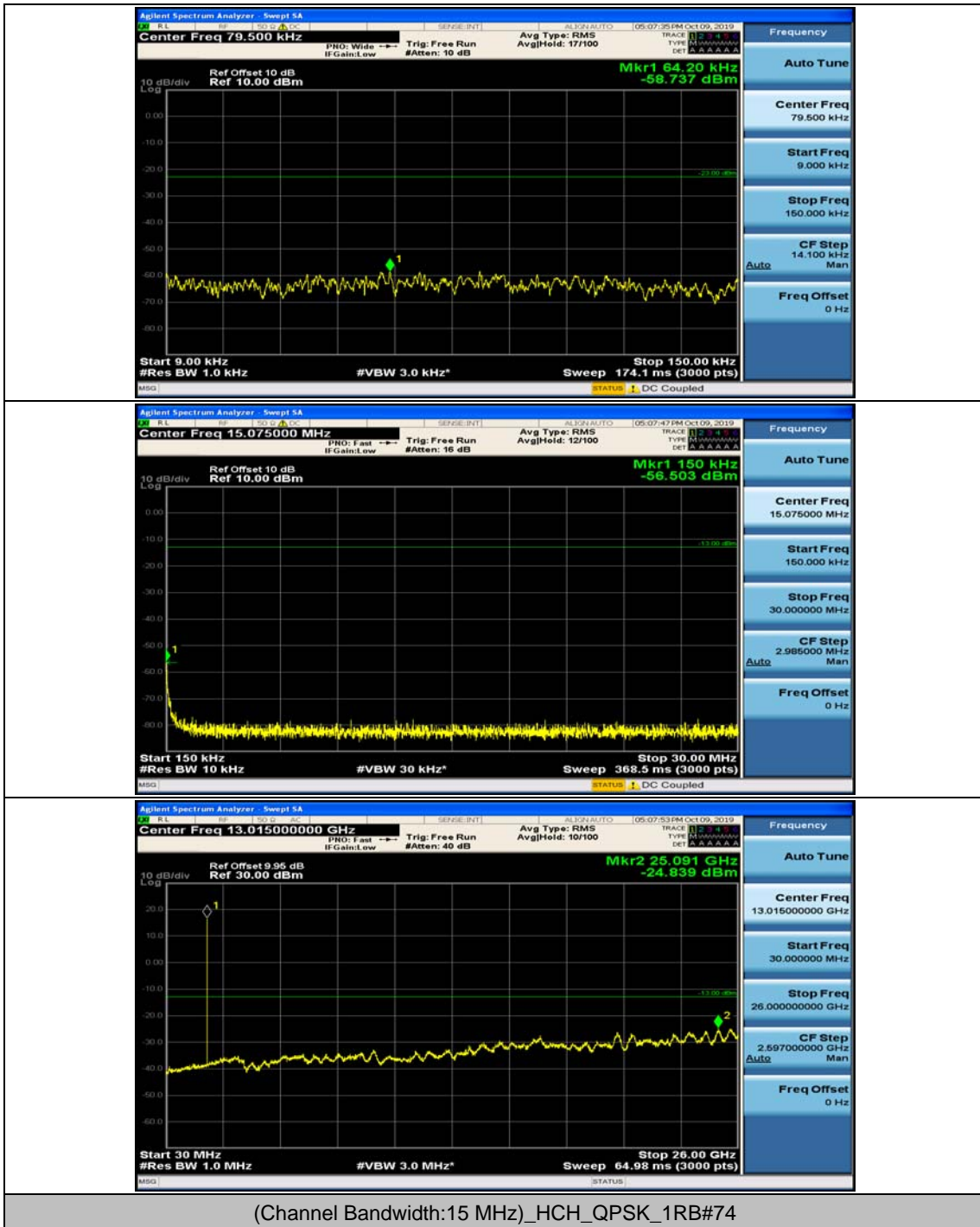


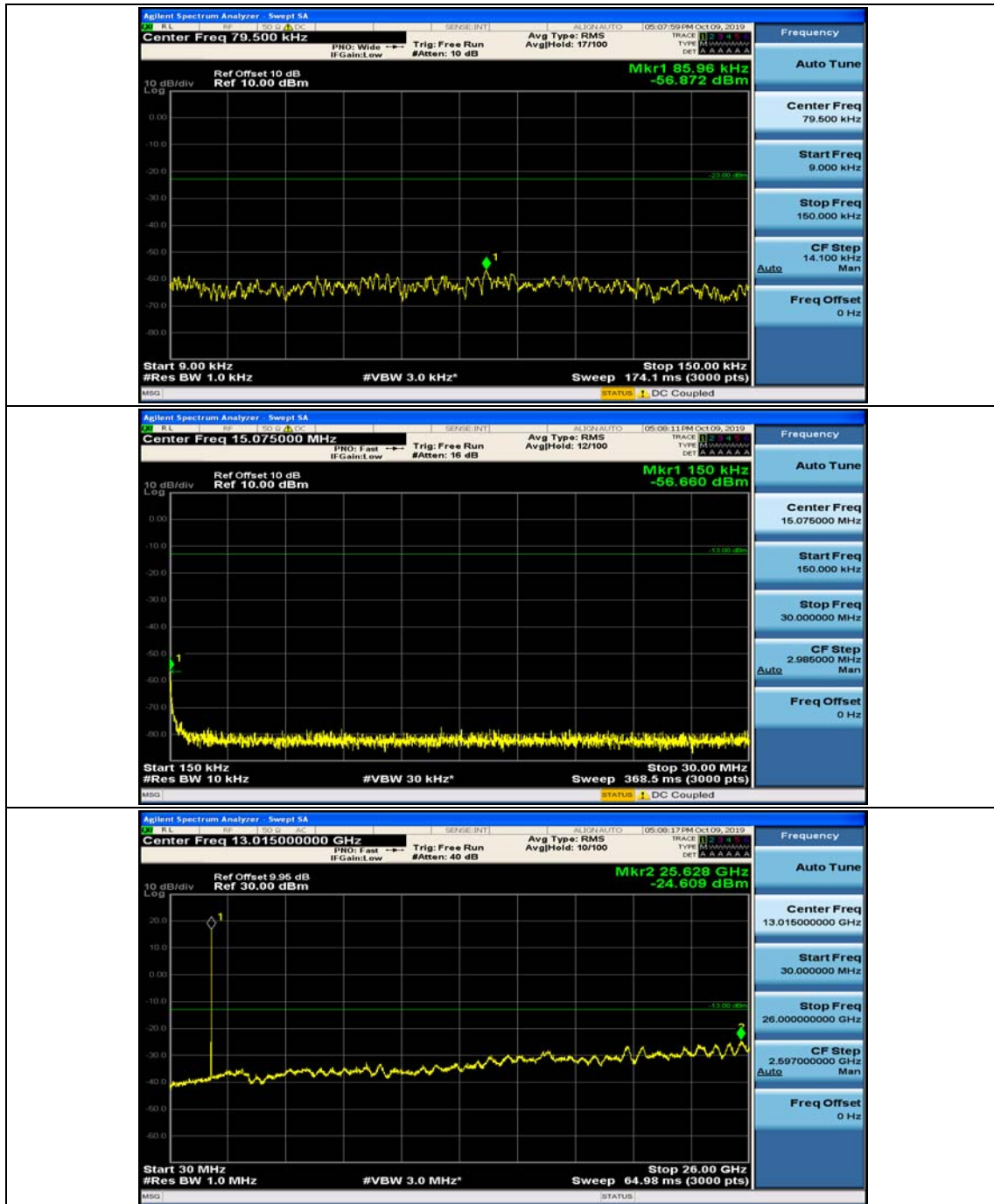


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

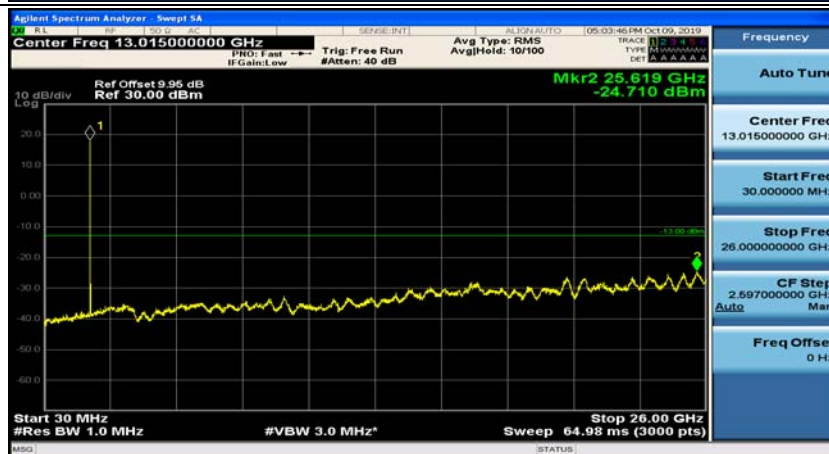
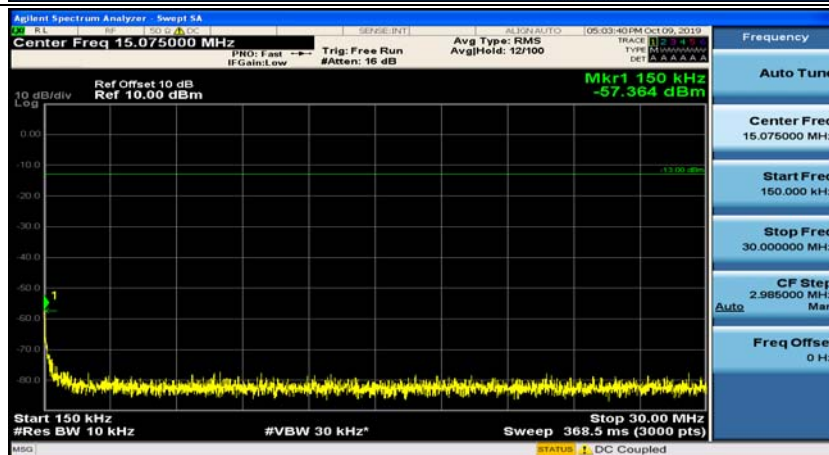
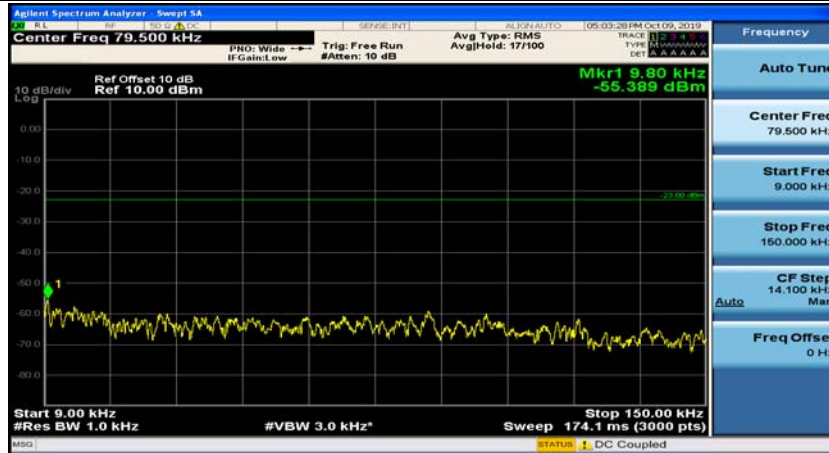


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

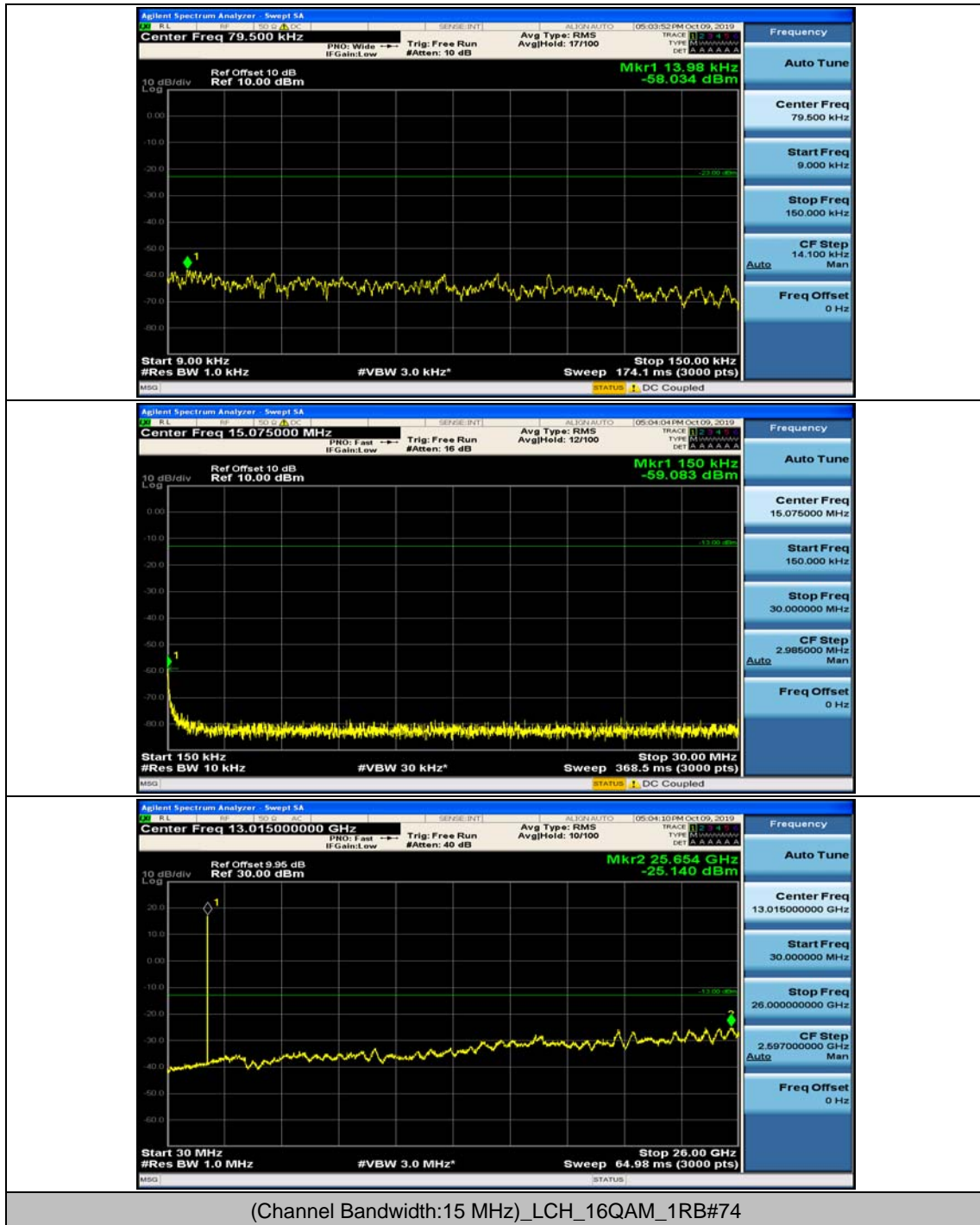


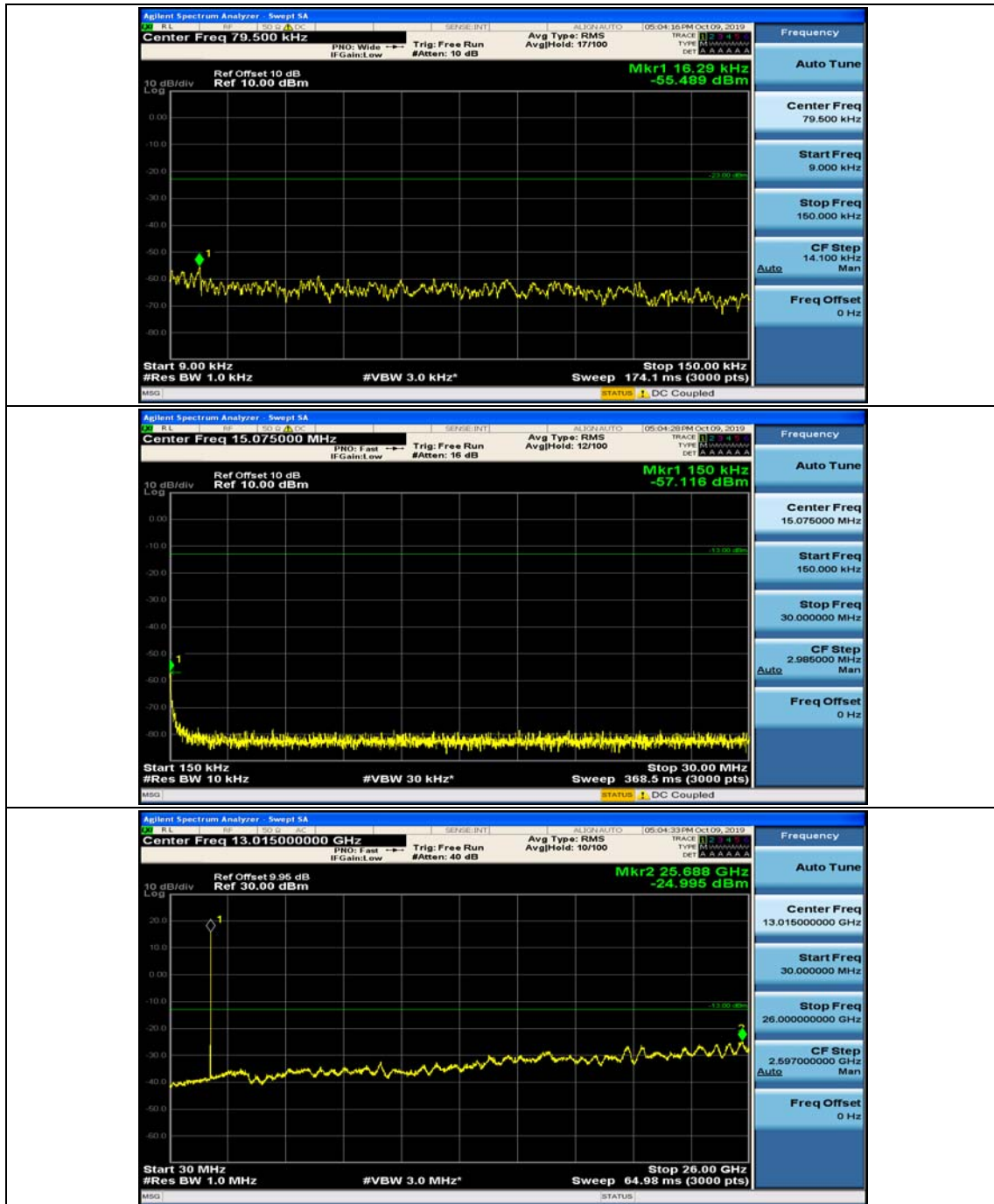


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

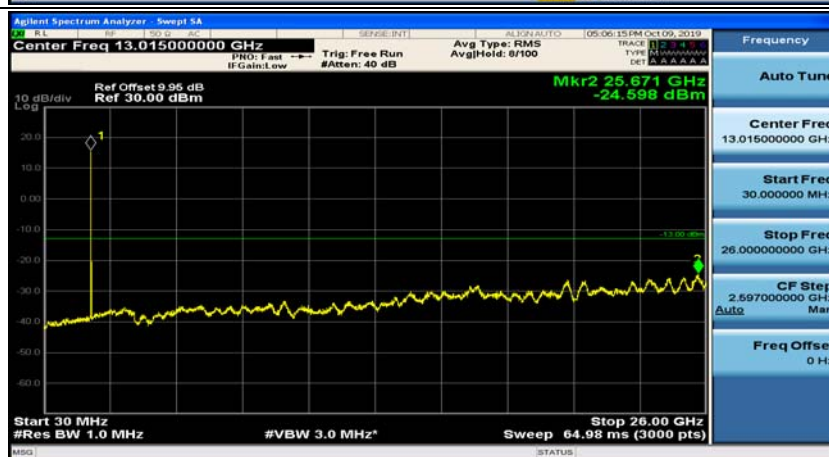
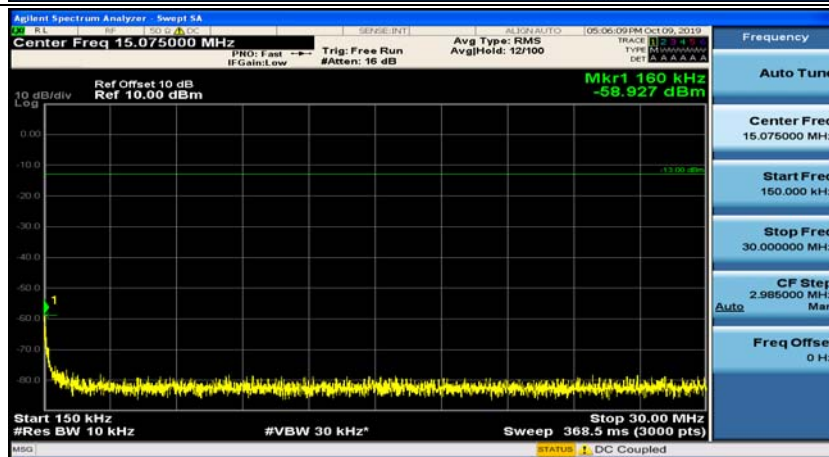
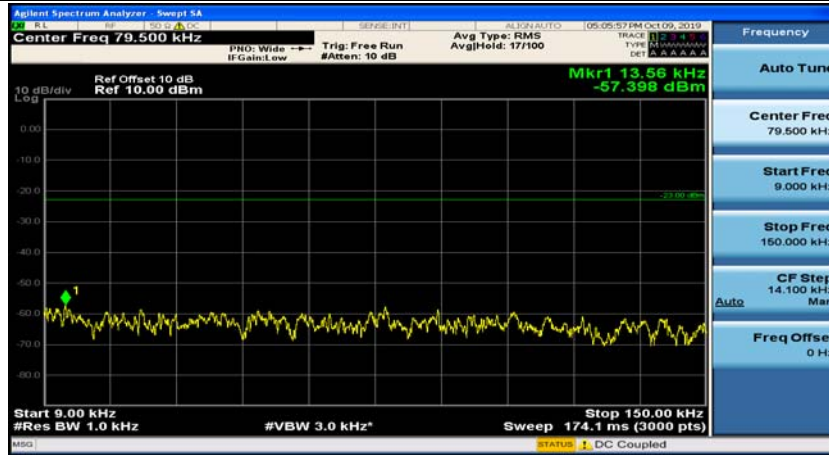


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

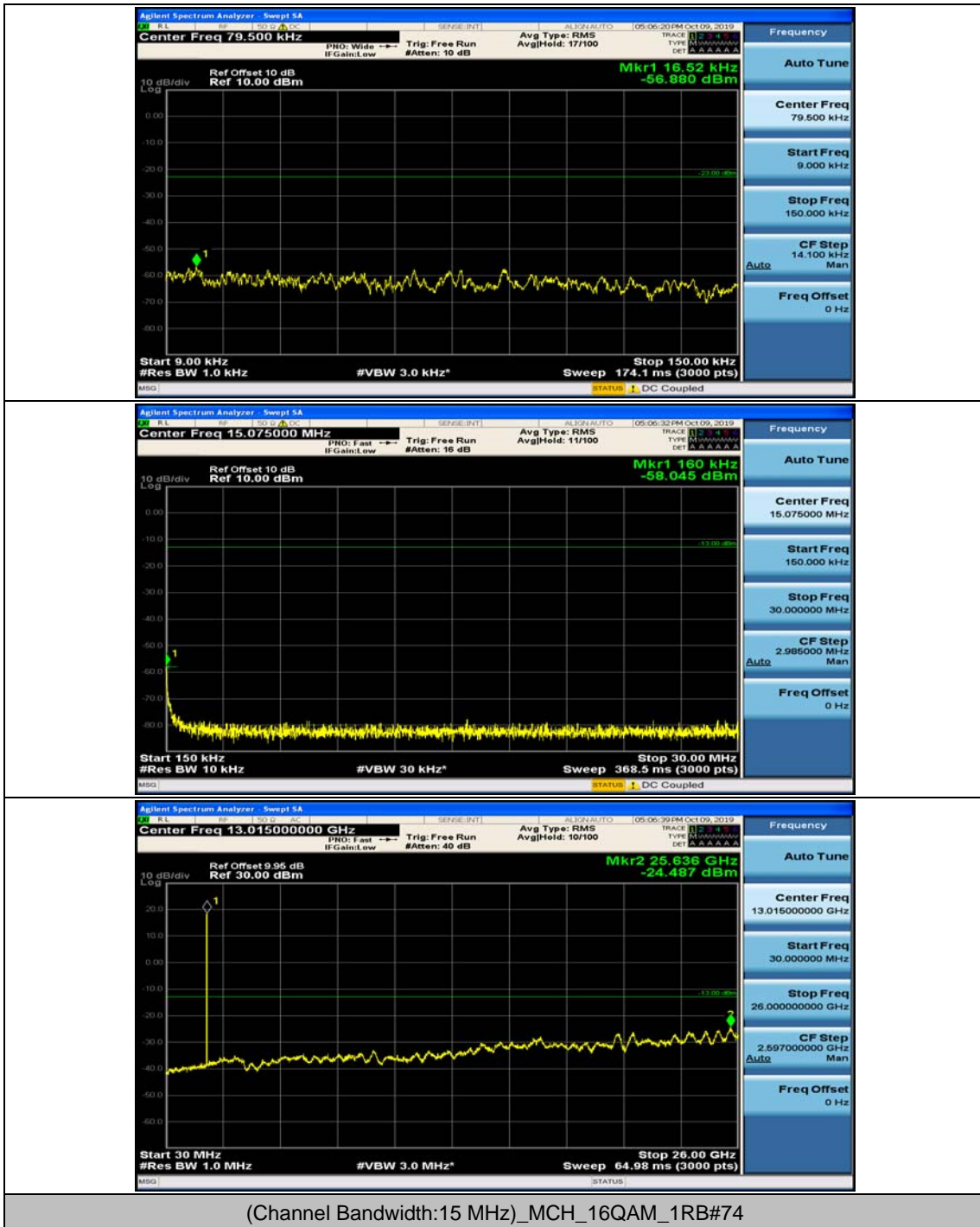


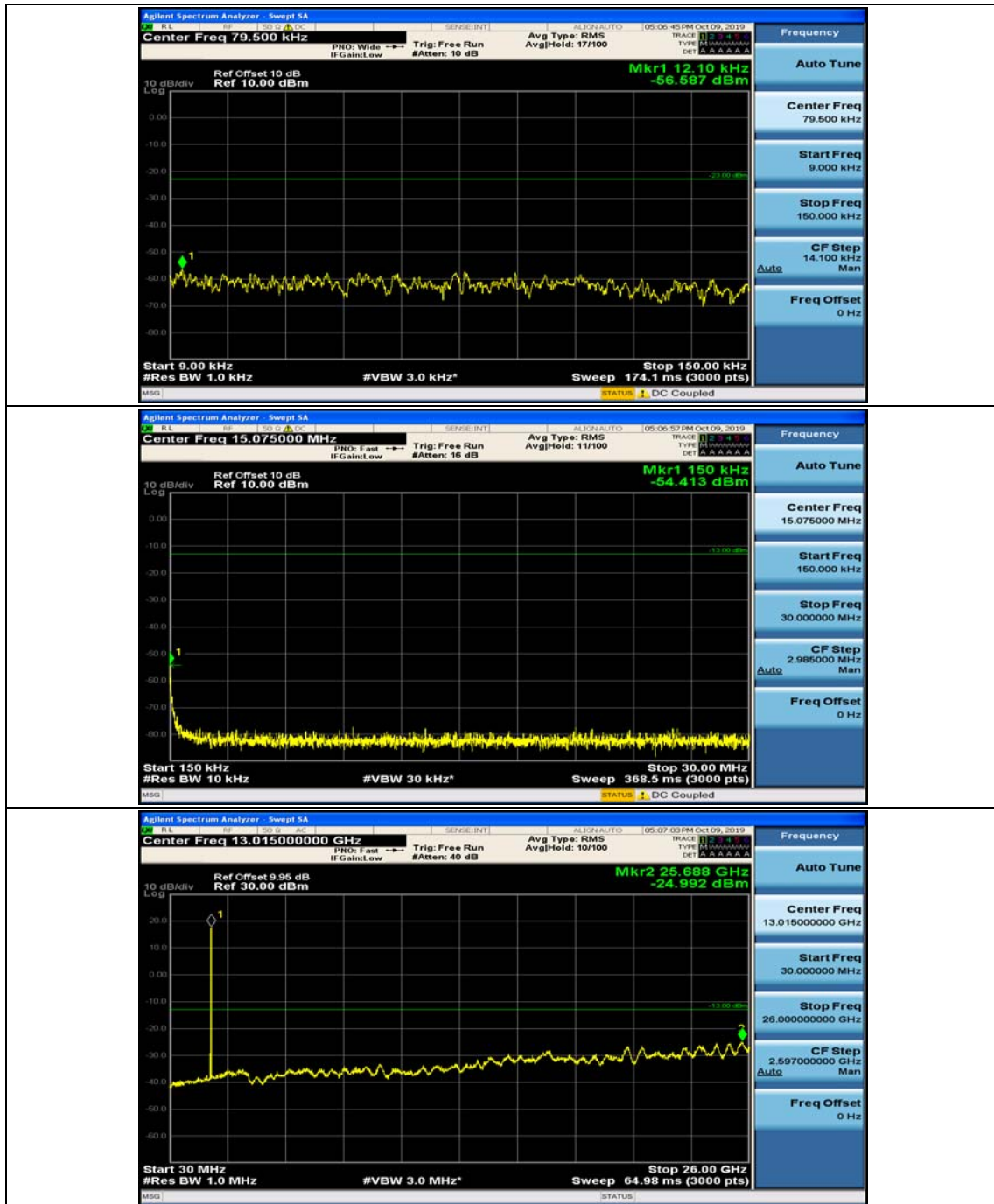


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

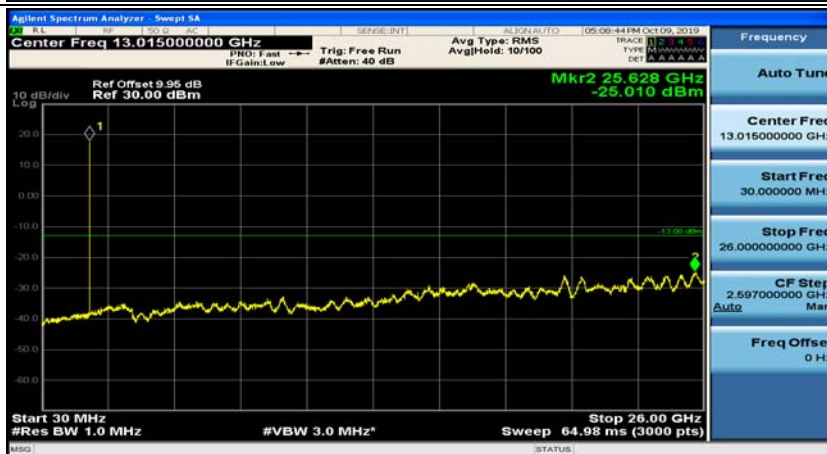
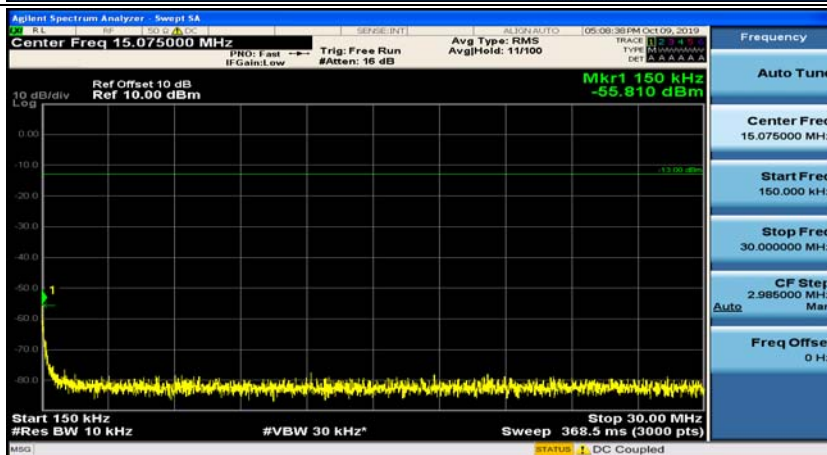
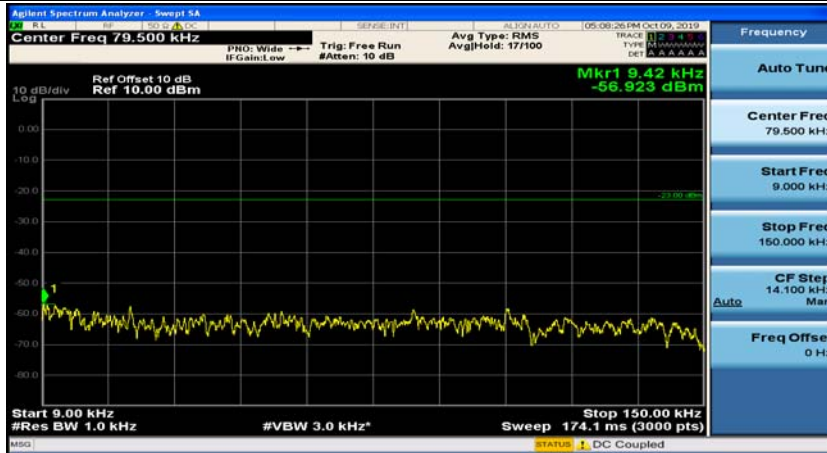


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

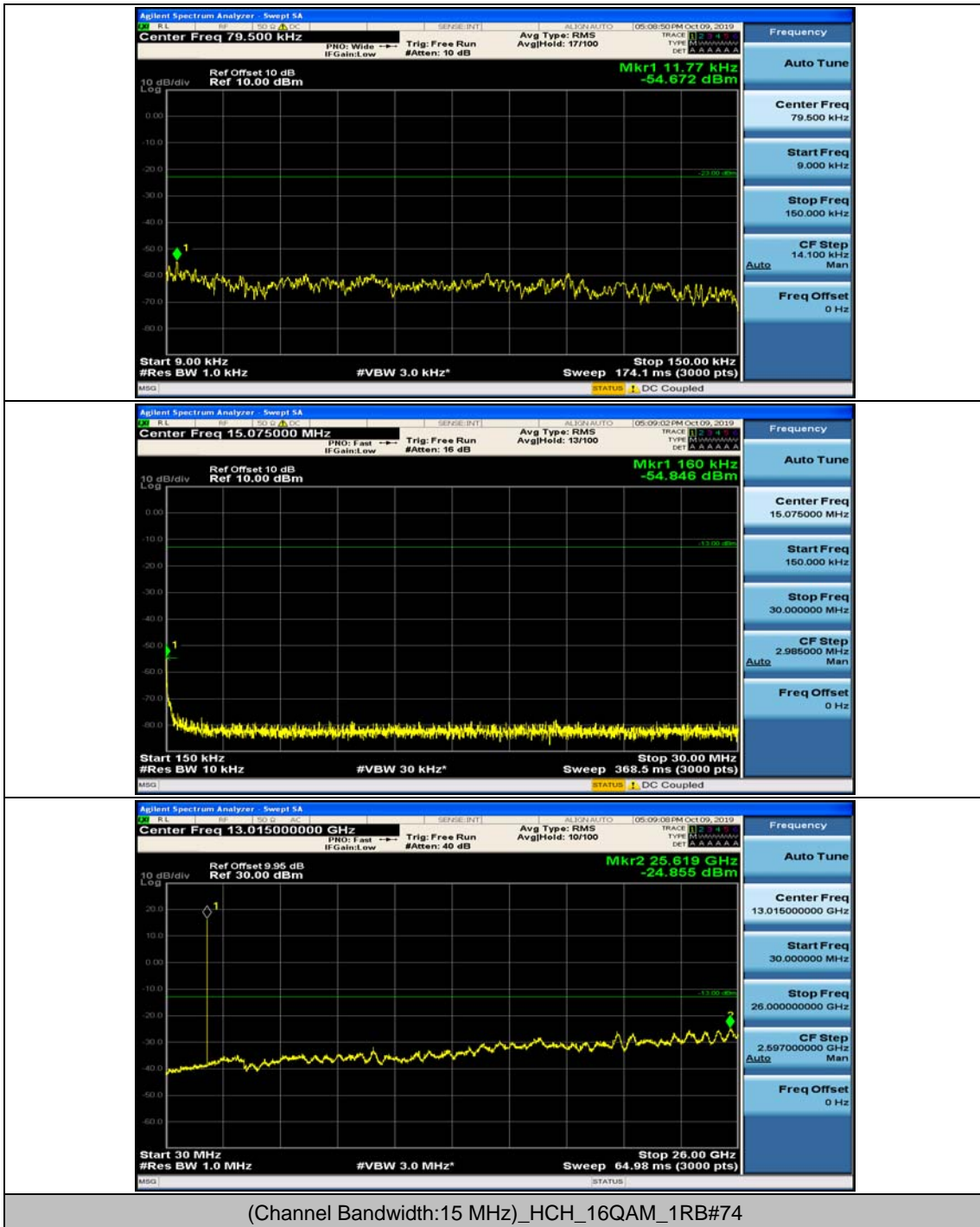




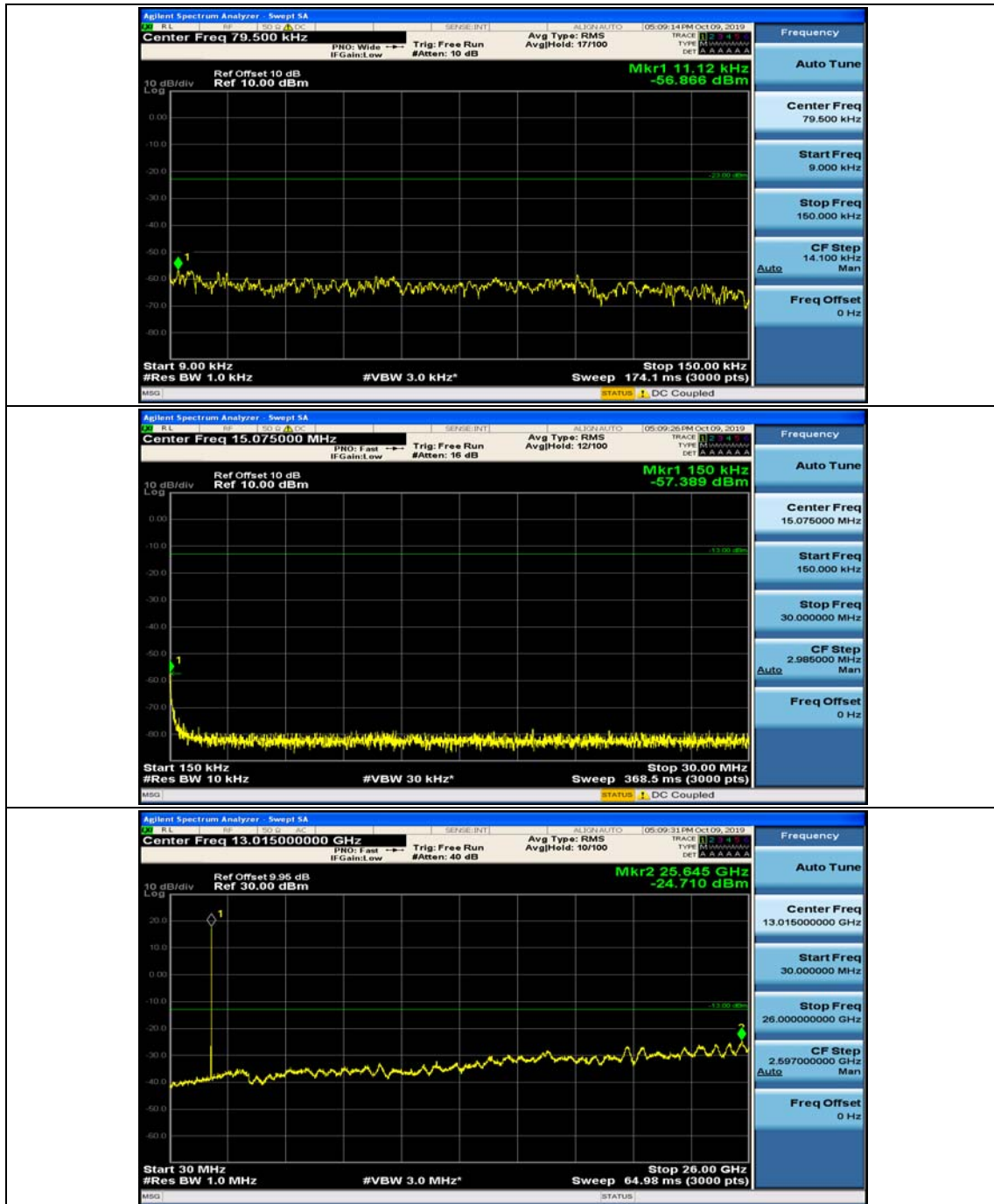
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



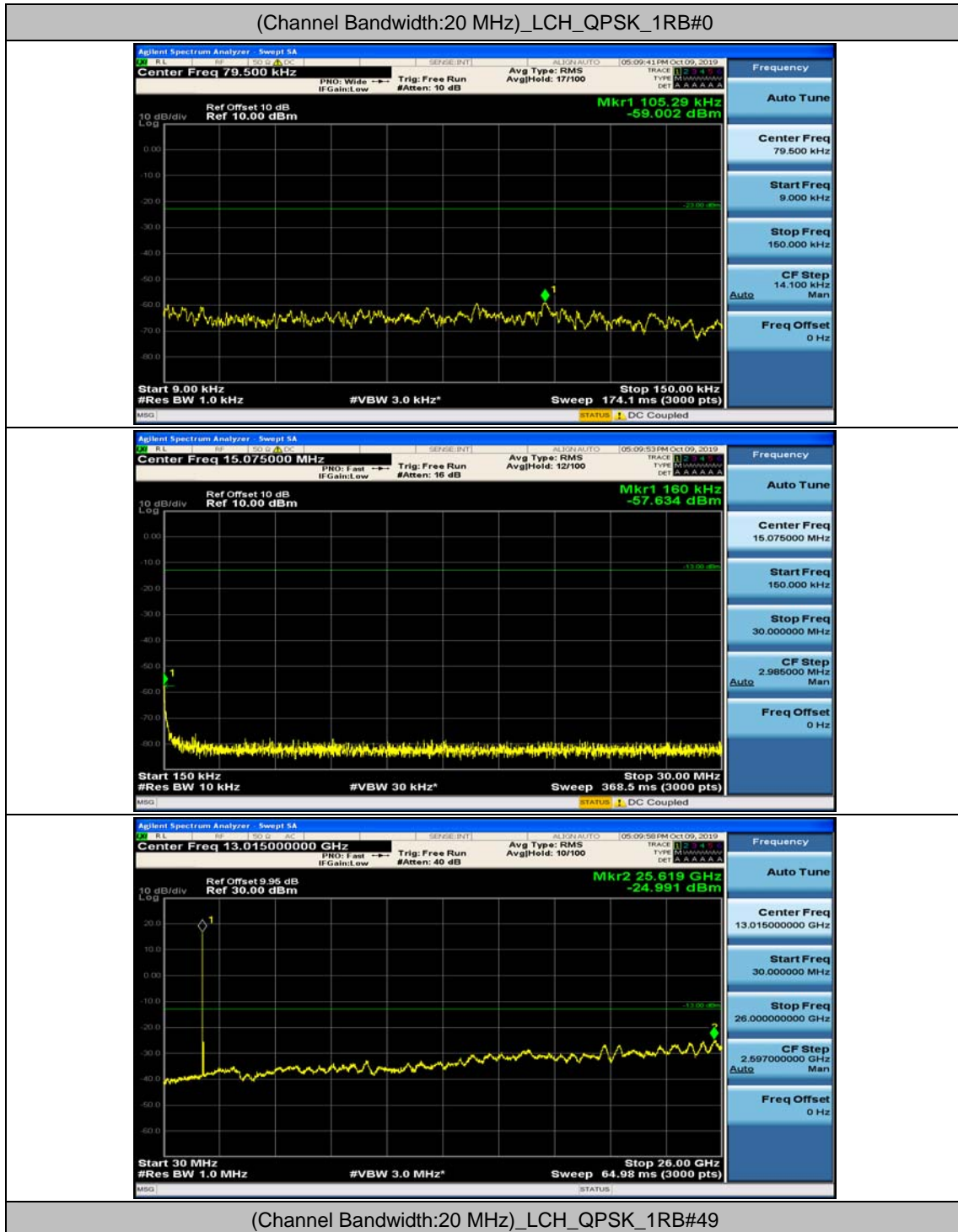
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

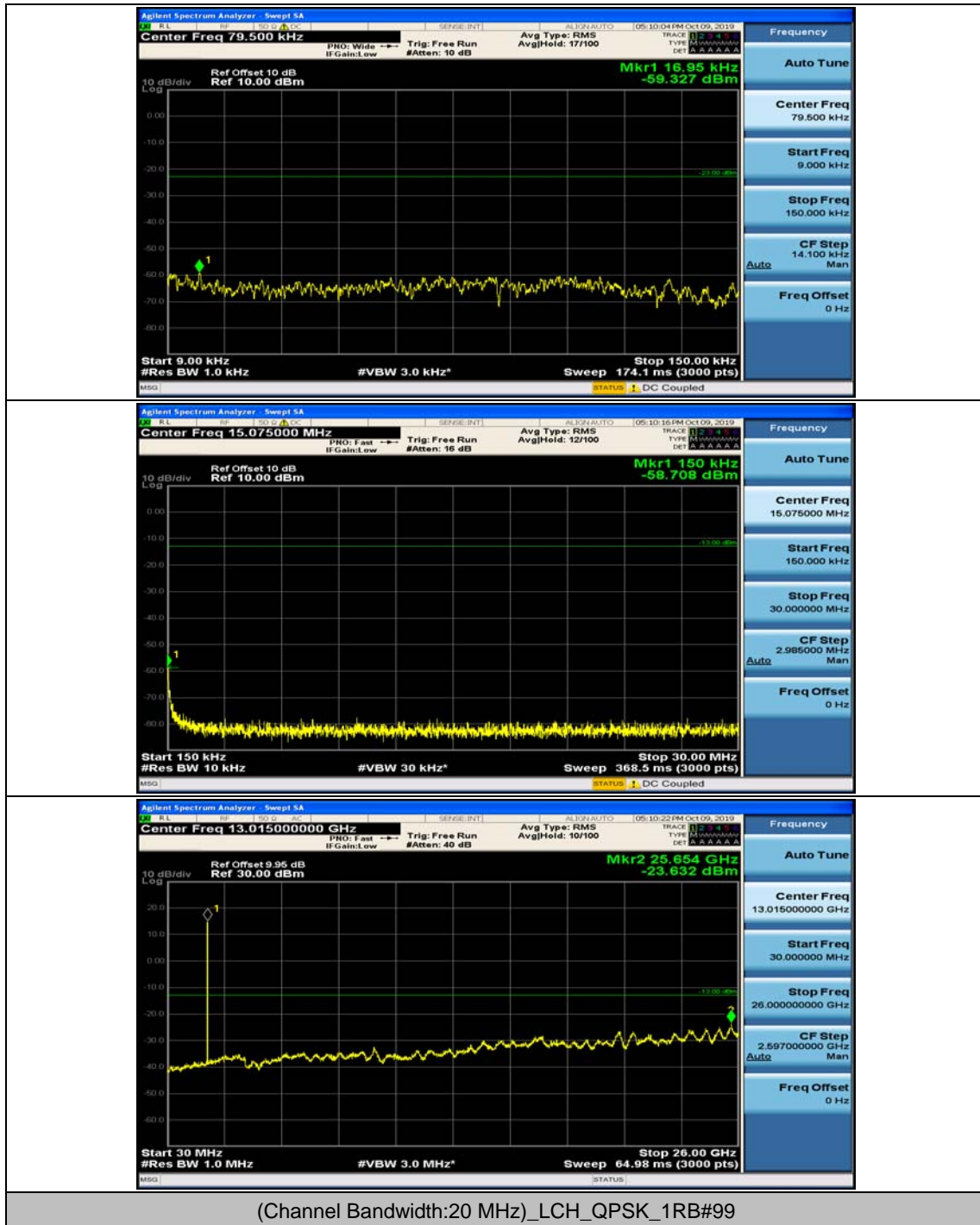


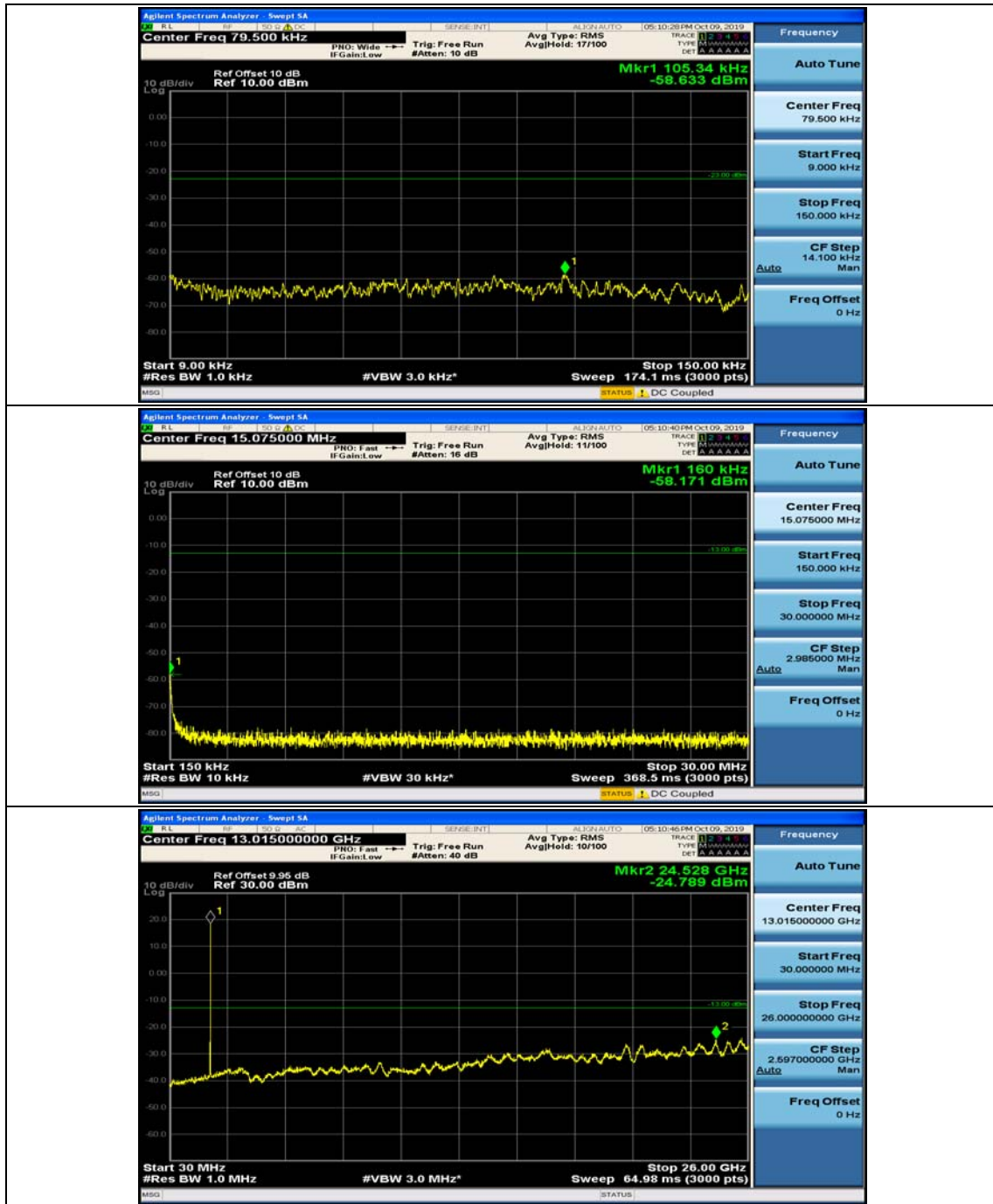
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



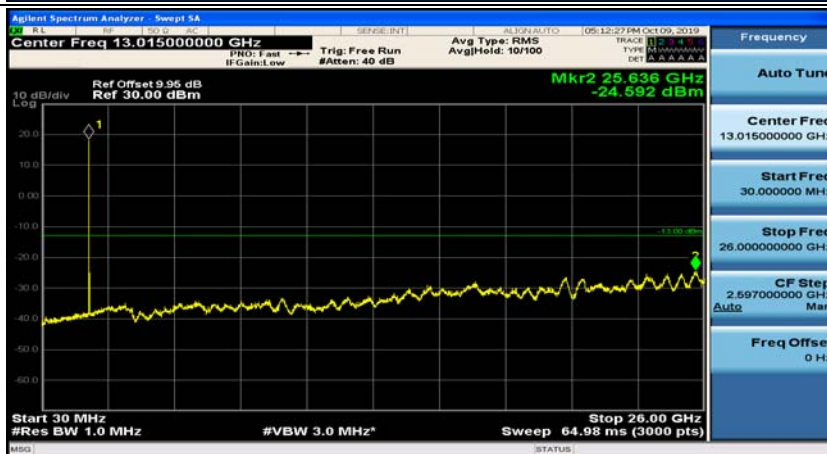
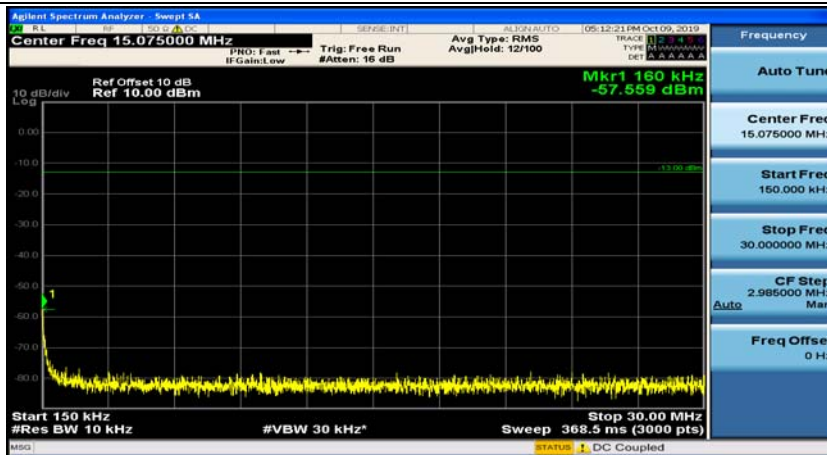
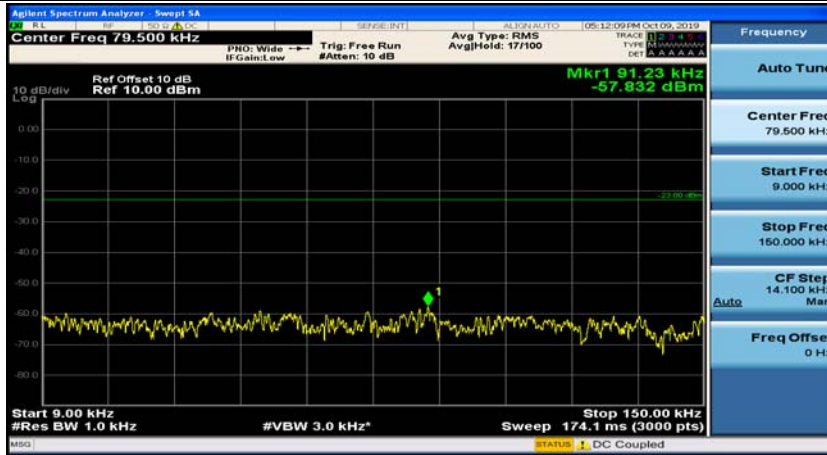
Channel Bandwidth: 20 MHz



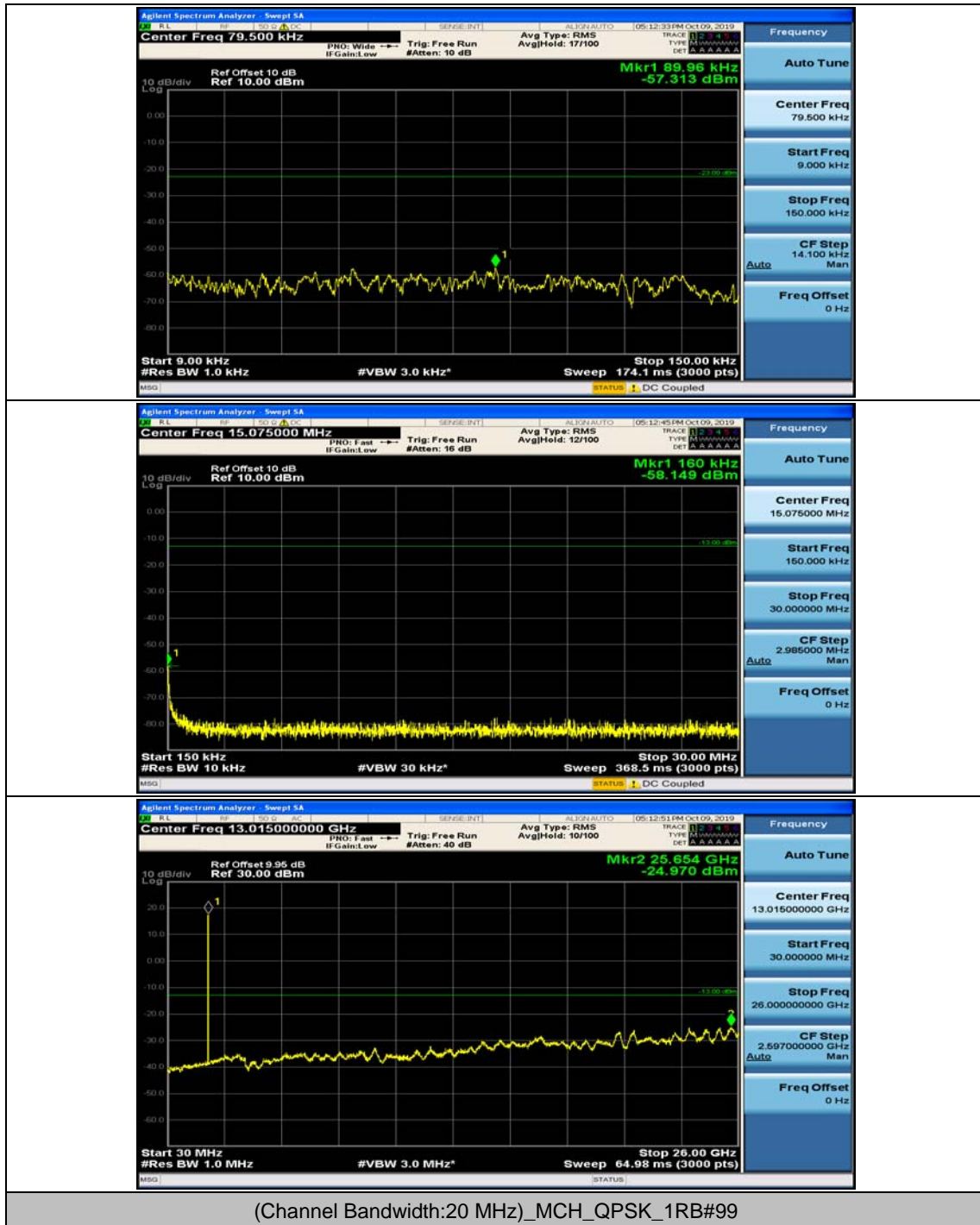


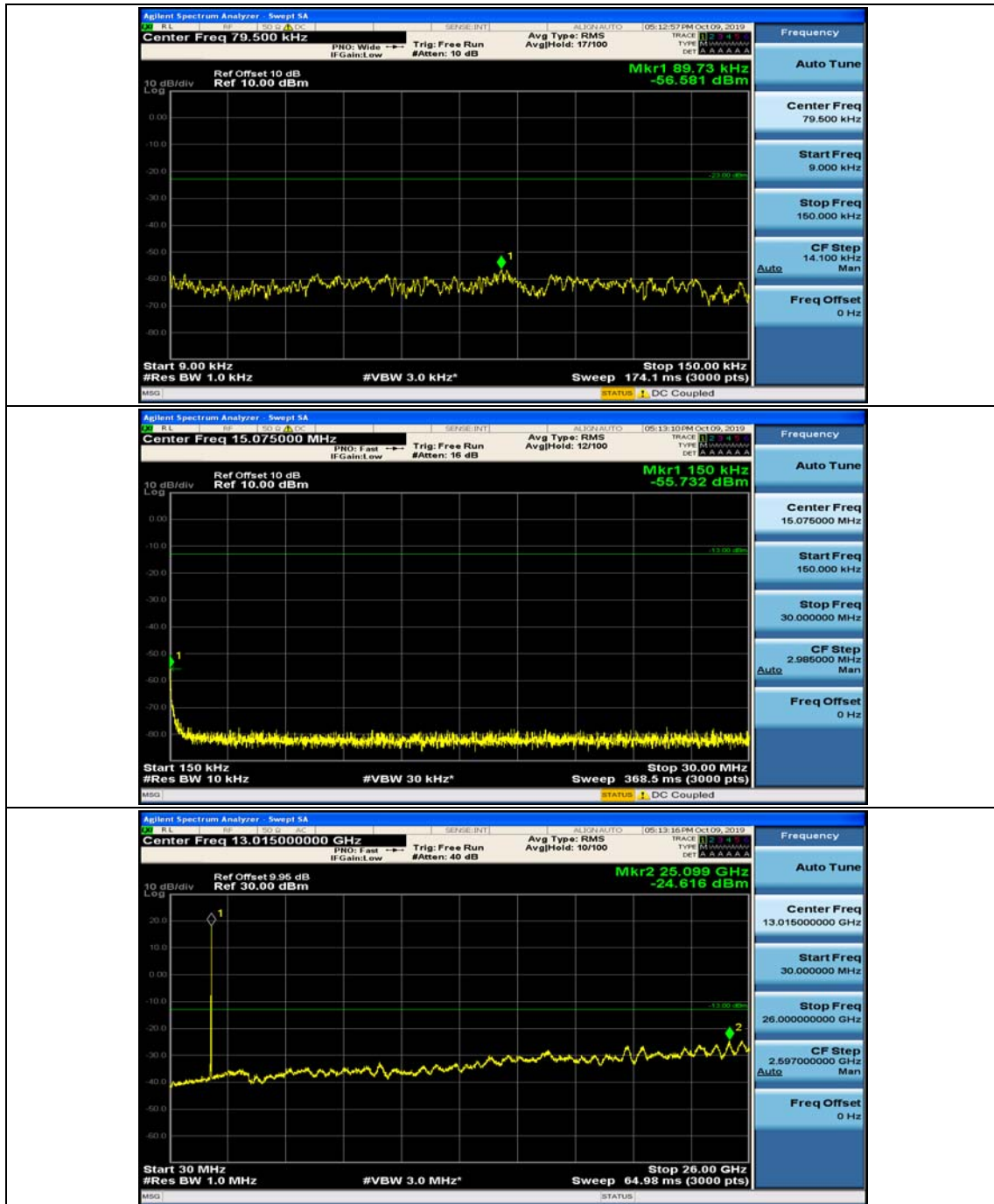


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

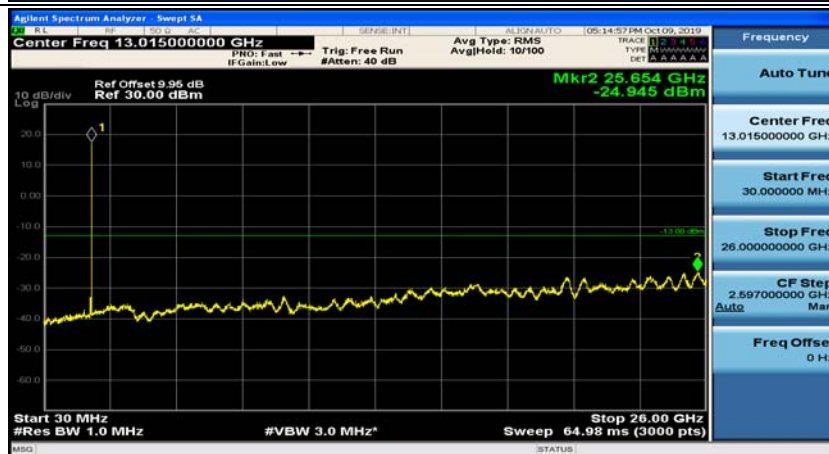
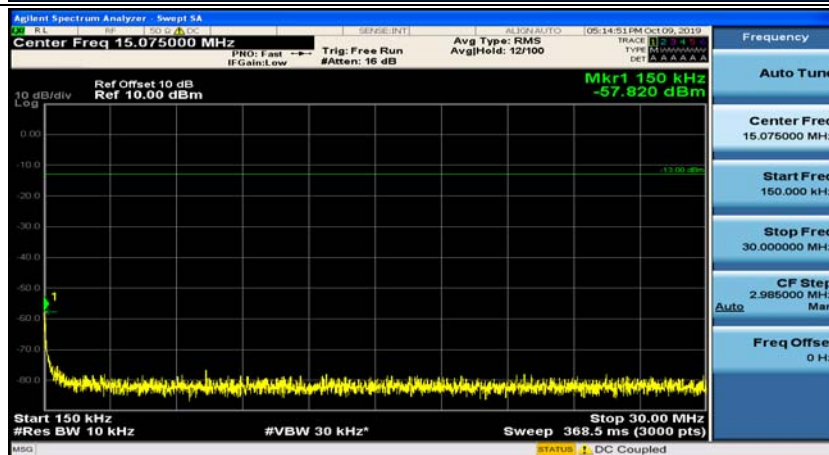


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

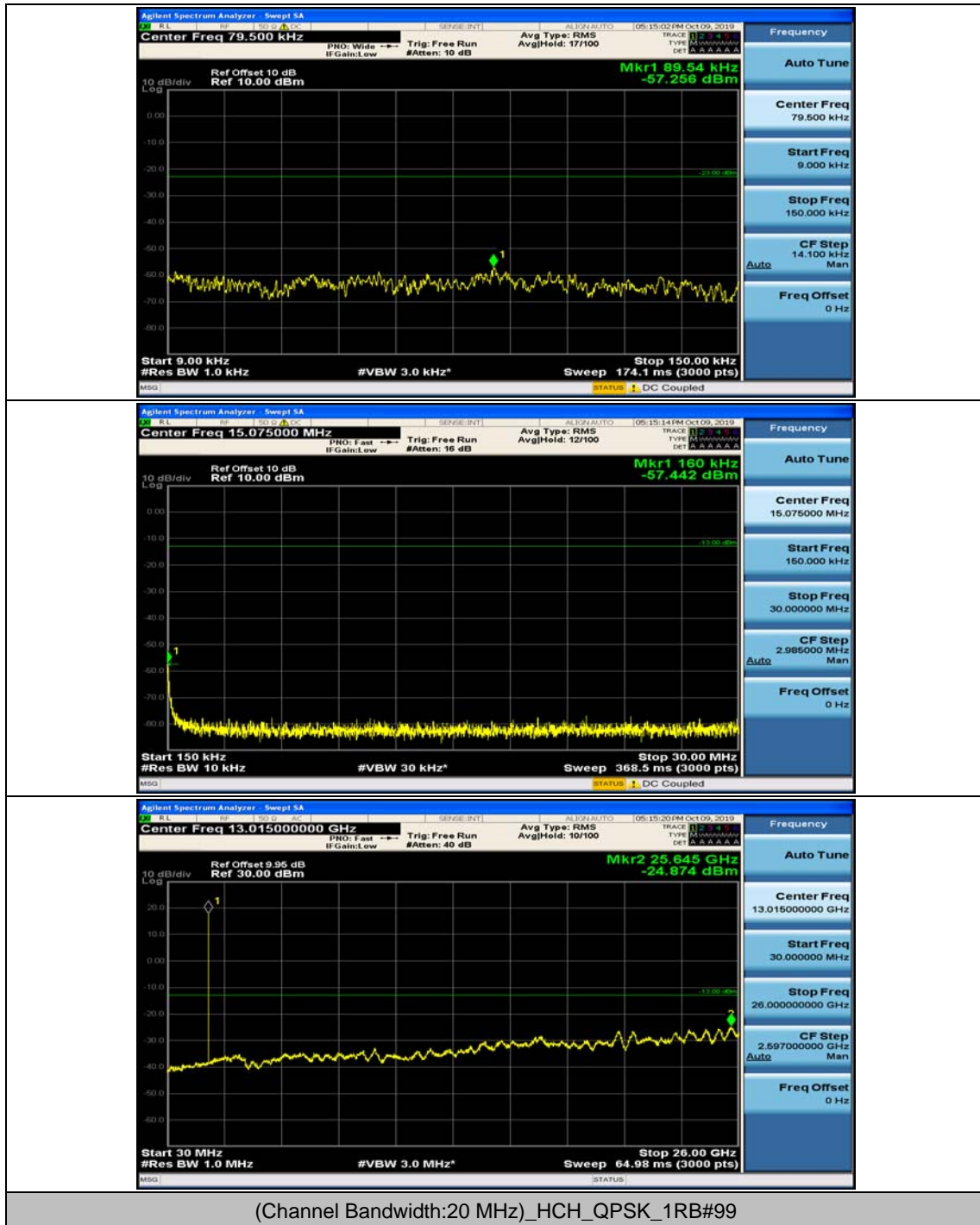


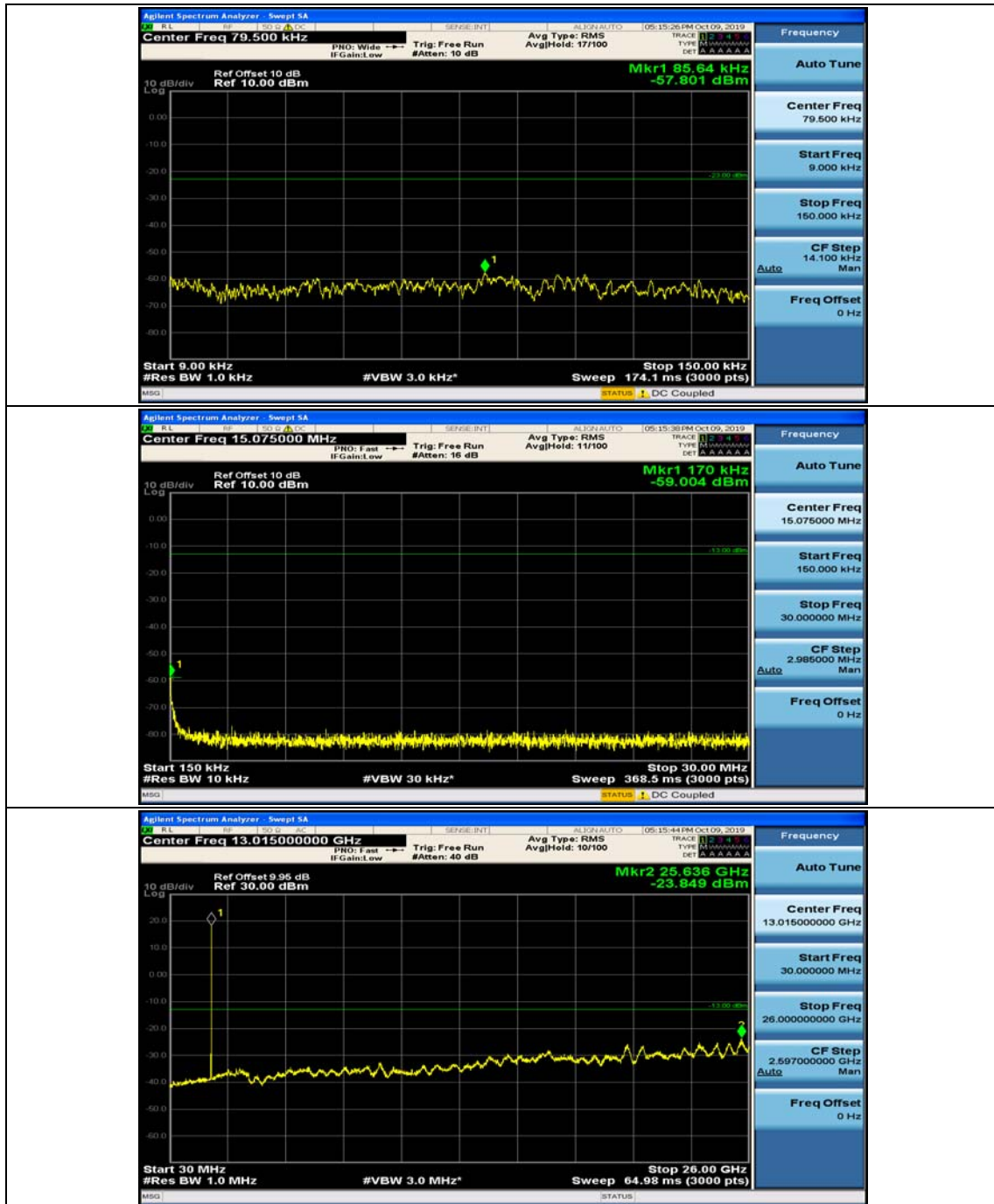


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

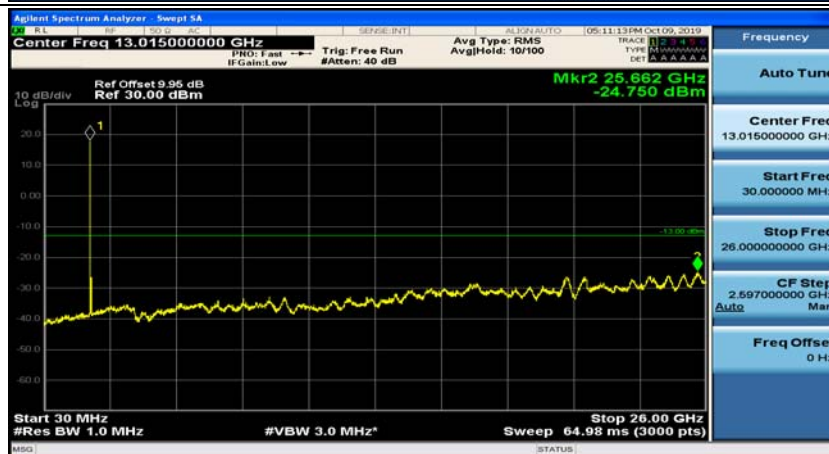
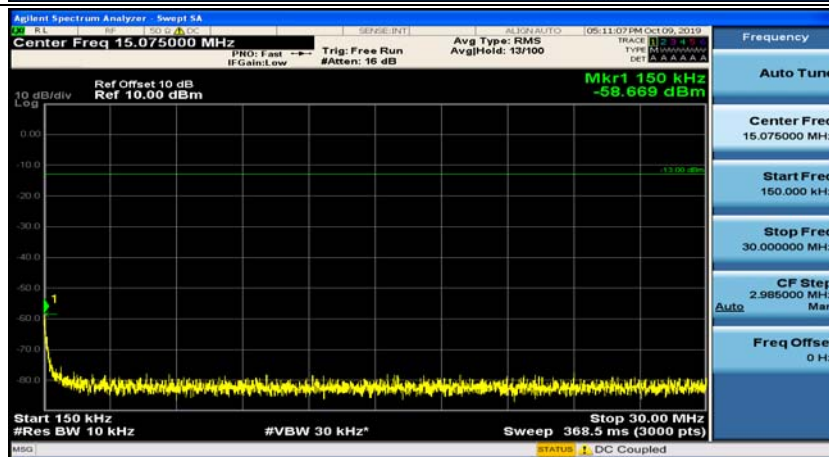
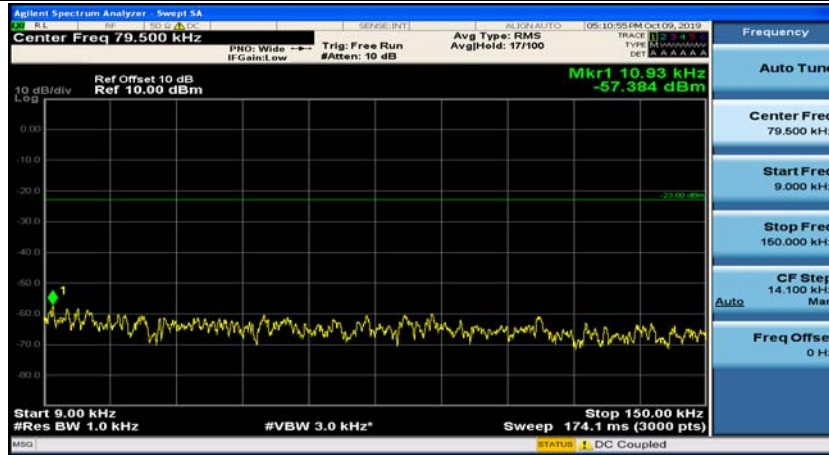


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

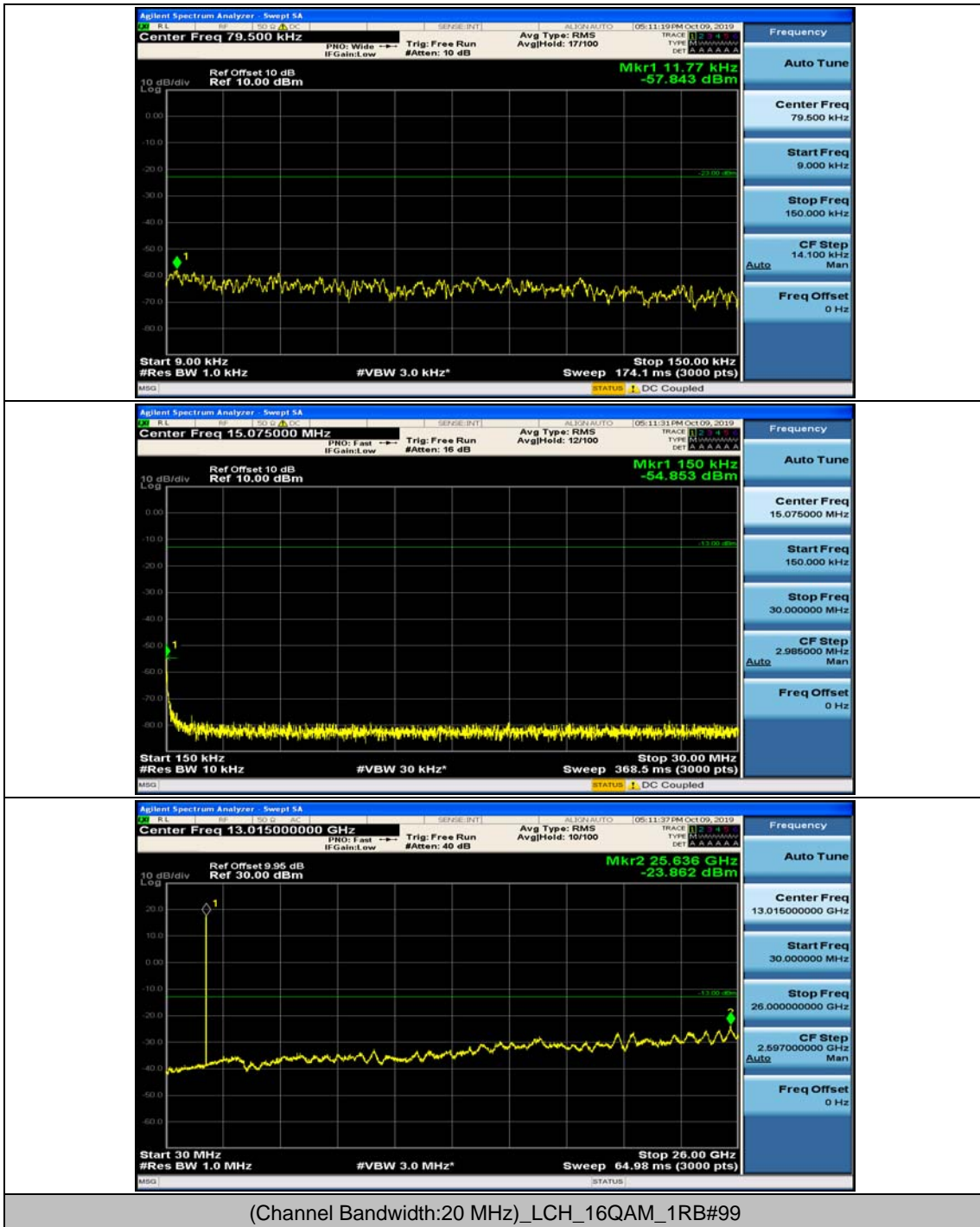


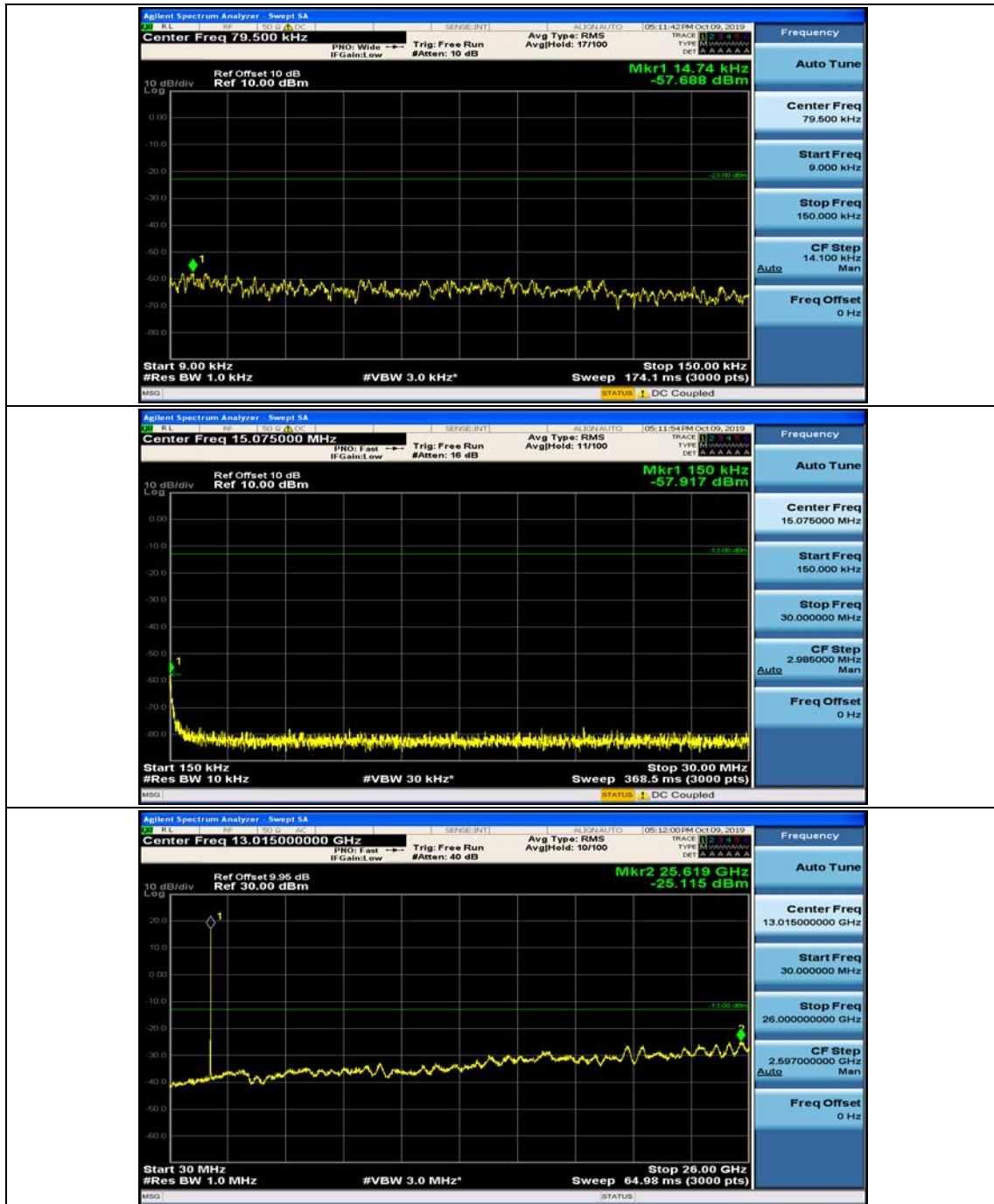


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

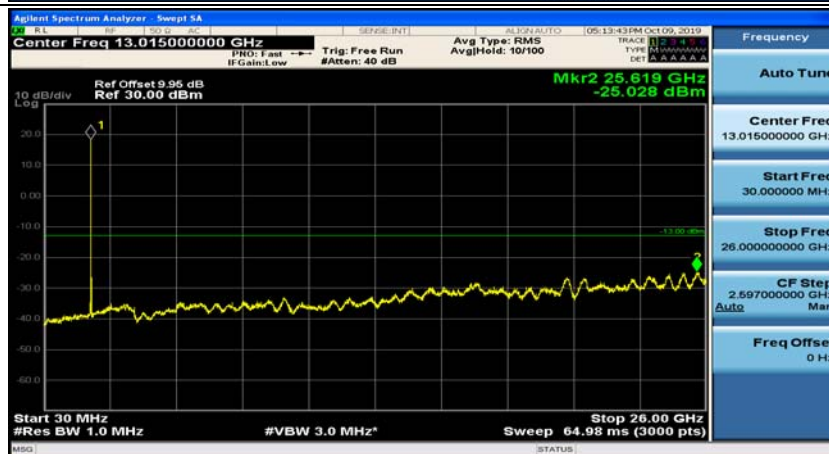
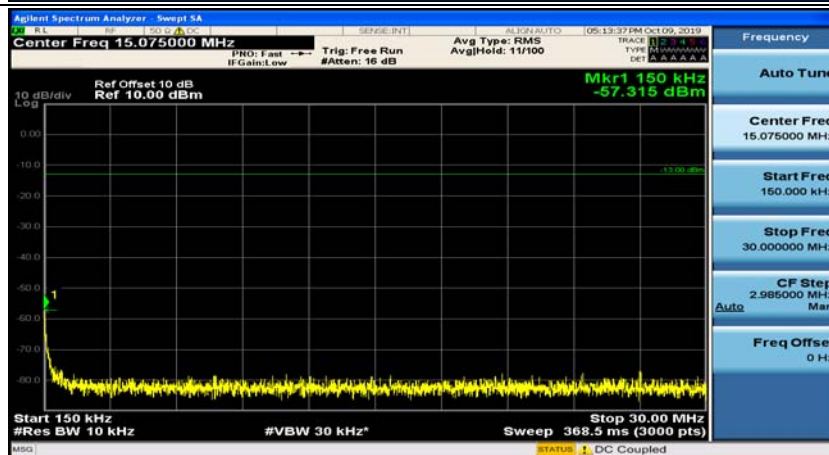


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

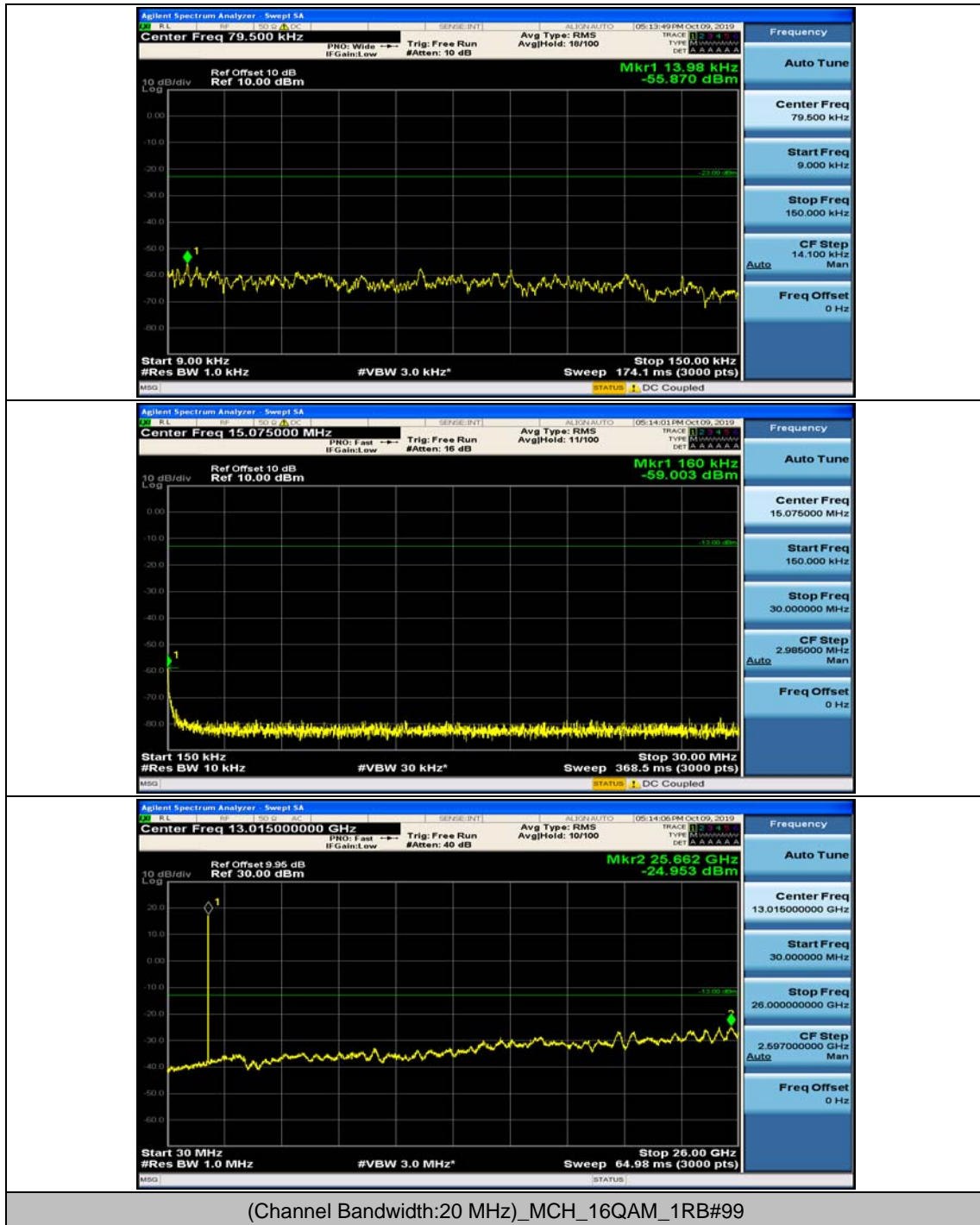


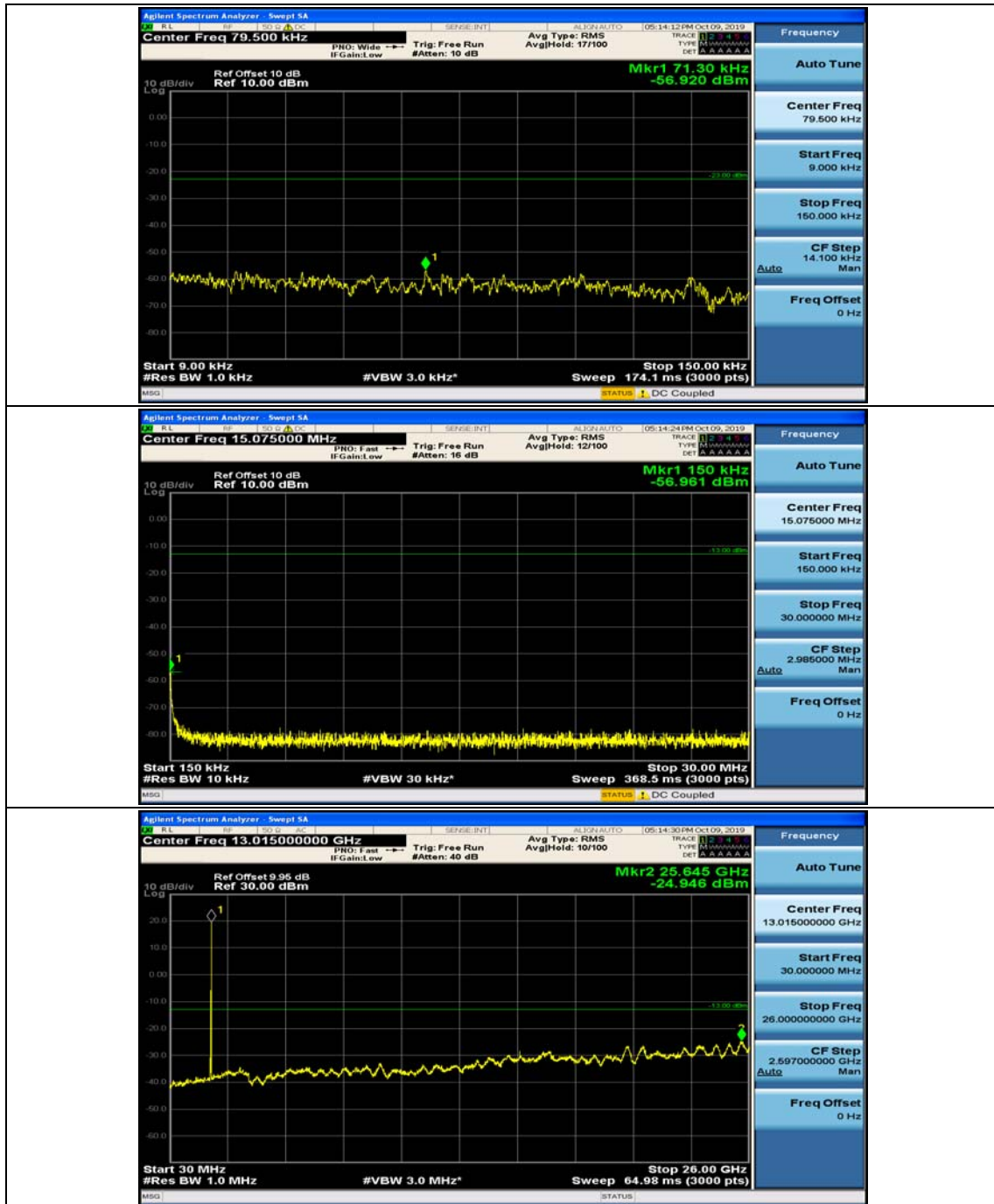


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

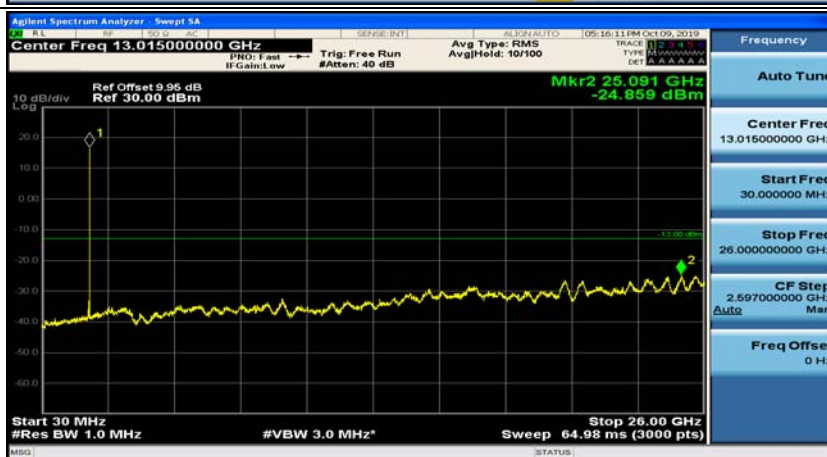
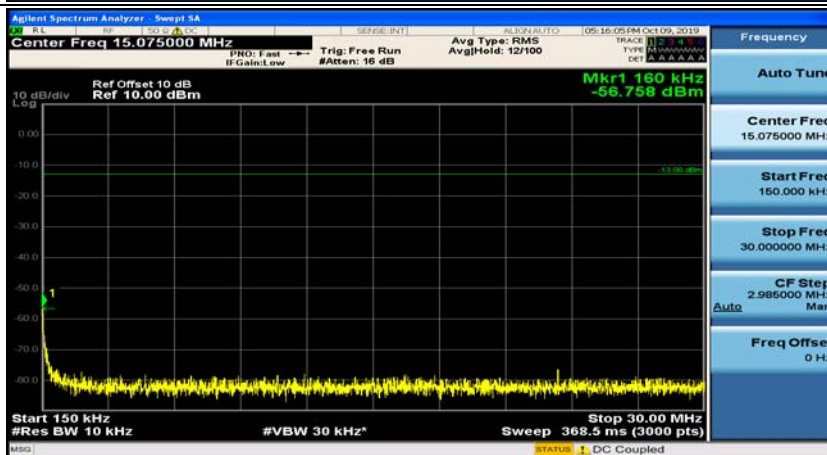
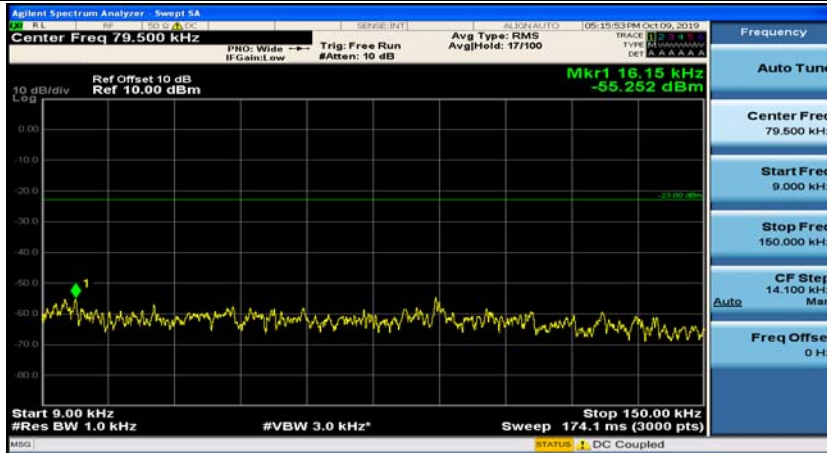


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

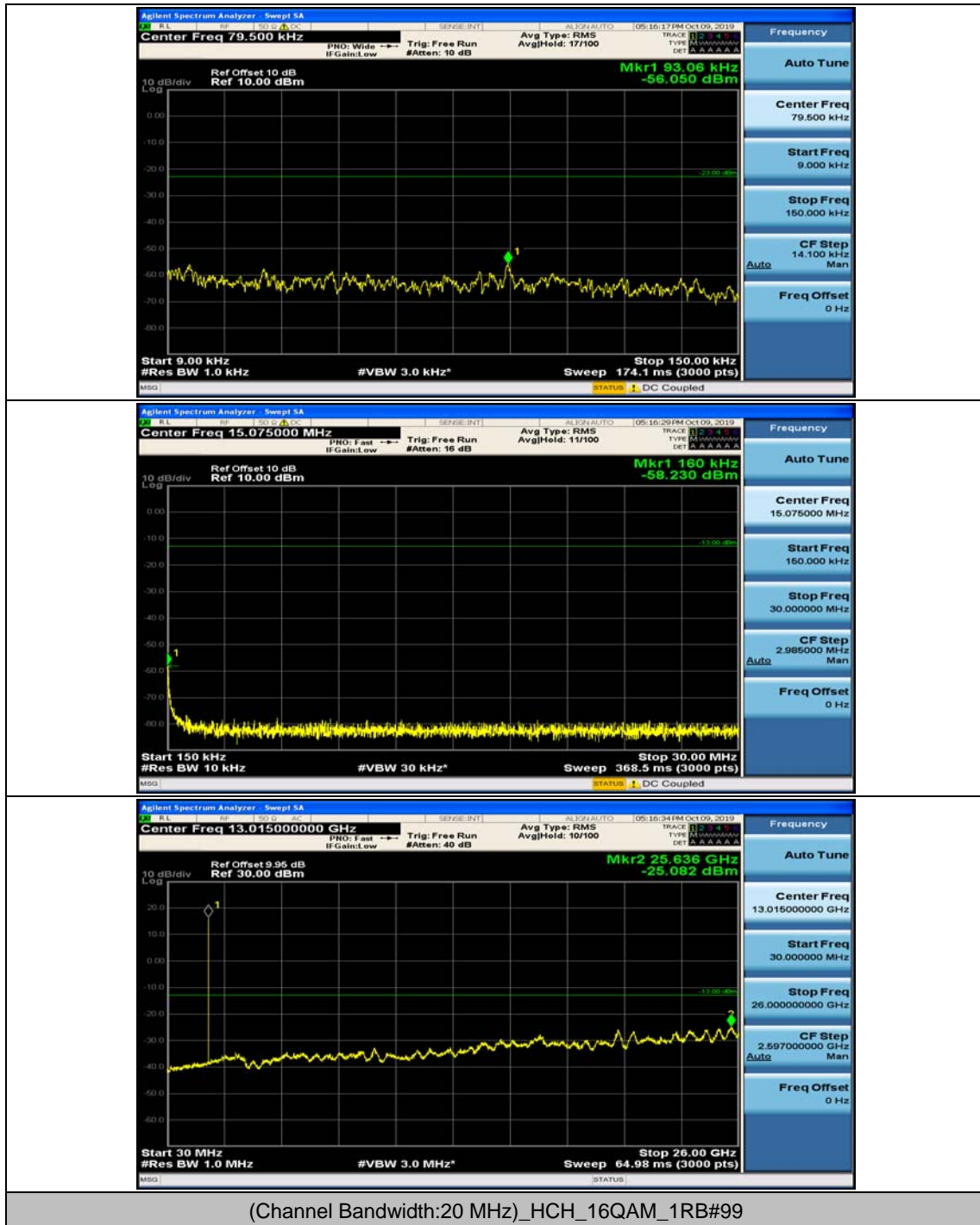


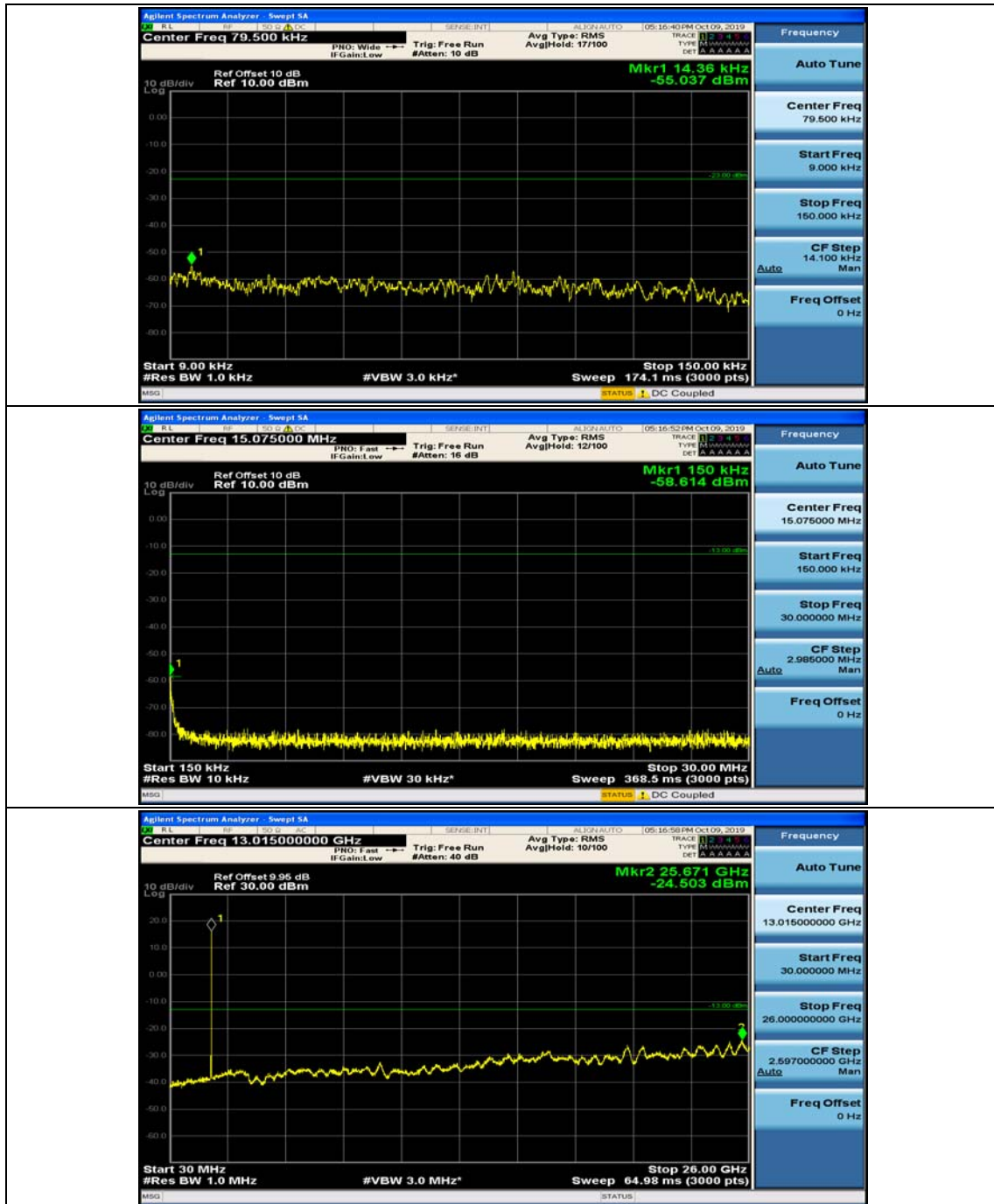


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	0.86	0.000465	± 2.5	PASS
		VN	TN	0.29	0.000157	± 2.5	PASS
		VH	TN	-0.6	-0.000324	± 2.5	PASS
	MCH	VL	TN	3.9	0.002074	± 2.5	PASS
		VN	TN	-1.44	-0.000766	± 2.5	PASS
		VH	TN	2.82	0.001500	± 2.5	PASS
	HCH	VL	TN	-0.75	-0.000393	± 2.5	PASS
		VN	TN	1.67	0.000875	± 2.5	PASS
		VH	TN	3.22	0.001686	± 2.5	PASS
16QAM	LCH	VL	TN	3.92	0.002118	± 2.5	PASS
		VN	TN	2.23	0.001205	± 2.5	PASS
		VH	TN	-0.19	-0.000103	± 2.5	PASS
	MCH	VL	TN	0.62	0.000330	± 2.5	PASS
		VN	TN	4.43	0.002356	± 2.5	PASS
		VH	TN	1.96	0.001043	± 2.5	PASS
	HCH	VL	TN	4.4	0.002305	± 2.5	PASS
		VN	TN	-0.53	-0.000278	± 2.5	PASS
		VH	TN	0.4	0.000210	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.58	0.002475	± 2.5	PASS
		VN	-20	-1.19	-0.000643	± 2.5	PASS
		VN	-10	0.31	0.000168	± 2.5	PASS
		VN	0	0.4	0.000216	± 2.5	PASS
		VN	10	3.33	0.001799	± 2.5	PASS
		VN	20	-1.19	-0.000643	± 2.5	PASS
		VN	30	-1.56	-0.000843	± 2.5	PASS
		VN	40	4.99	0.002696	± 2.5	PASS
	MCH	VN	-30	1.21	0.000644	± 2.5	PASS
		VN	-20	-1.12	-0.000596	± 2.5	PASS

		VN	-10	-1.09	-0.000580	± 2.5	PASS		
		VN	0	0.33	0.000176	± 2.5	PASS		
		VN	10	4.02	0.002138	± 2.5	PASS		
		VN	20	3.86	0.002053	± 2.5	PASS		
		VN	30	0.85	0.000452	± 2.5	PASS		
		VN	40	-0.48	-0.000255	± 2.5	PASS		
		VN	50	-1.48	-0.000787	± 2.5	PASS		
	HCH	VN	-30	-1.82	-0.000953	± 2.5	PASS		
		VN	-20	-0.63	-0.000330	± 2.5	PASS		
		VN	-10	-0.23	-0.000120	± 2.5	PASS		
		VN	0	-0.96	-0.000503	± 2.5	PASS		
		VN	10	-0.13	-0.000068	± 2.5	PASS		
		VN	20	-0.47	-0.000246	± 2.5	PASS		
		VN	30	4.36	0.002284	± 2.5	PASS		
		VN	40	-0.55	-0.000288	± 2.5	PASS		
		VN	50	3.32	0.001739	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.33	-0.000178	± 2.5	PASS
				VN	-20	0.16	0.000086	± 2.5	PASS
VN	-10			4.59	0.002480	± 2.5	PASS		
VN	0			-0.17	-0.000092	± 2.5	PASS		
VN	10			-0.36	-0.000195	± 2.5	PASS		
VN	20			2.27	0.001227	± 2.5	PASS		
VN	30			-0.79	-0.000427	± 2.5	PASS		
VN	40			2.13	0.001151	± 2.5	PASS		
VN	50			-1.41	-0.000762	± 2.5	PASS		
MCH	VN		-30	-1.75	-0.000931	± 2.5	PASS		
	VN		-20	-0.25	-0.000133	± 2.5	PASS		
	VN		-10	-0.78	-0.000415	± 2.5	PASS		
	VN		0	4.57	0.002431	± 2.5	PASS		
	VN		10	-0.19	-0.000101	± 2.5	PASS		
	VN		20	0.46	0.000245	± 2.5	PASS		
	VN		30	-0.59	-0.000314	± 2.5	PASS		
	VN		40	-0.75	-0.000399	± 2.5	PASS		
	VN		50	3.02	0.001606	± 2.5	PASS		
HCH	VN		-30	-0.85	-0.000445	± 2.5	PASS		
	VN		-20	1.83	0.000958	± 2.5	PASS		
	VN		-10	2.89	0.001514	± 2.5	PASS		
	VN		0	2.88	0.001508	± 2.5	PASS		
	VN		10	4.26	0.002231	± 2.5	PASS		
	VN		20	-1.67	-0.000875	± 2.5	PASS		
	VN		30	0.11	0.000058	± 2.5	PASS		

		VN	40	1.24	0.000649	± 2.5	PASS
		VN	50	3.75	0.001964	± 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	0.93	0.000502	± 2.5	PASS
		VN	TN	2.56	0.001383	± 2.5	PASS
		VH	TN	2.87	0.001550	± 2.5	PASS
	MCH	VL	TN	4.18	0.002223	± 2.5	PASS
		VN	TN	2.45	0.001303	± 2.5	PASS
		VH	TN	-0.39	-0.000207	± 2.5	PASS
	HCH	VL	TN	4.8	0.002515	± 2.5	PASS
		VN	TN	-0.83	-0.000435	± 2.5	PASS
		VH	TN	-1.72	-0.000901	± 2.5	PASS
16QAM	LCH	VL	TN	2.28	0.001231	± 2.5	PASS
		VN	TN	4.91	0.002652	± 2.5	PASS
		VH	TN	0.29	0.000157	± 2.5	PASS
	MCH	VL	TN	2.65	0.001410	± 2.5	PASS
		VN	TN	4.29	0.002282	± 2.5	PASS
		VH	TN	2.46	0.001309	± 2.5	PASS
	HCH	VL	TN	4.45	0.002332	± 2.5	PASS
		VN	TN	1.22	0.000639	± 2.5	PASS
		VH	TN	-1.82	-0.000954	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.63	0.002501	± 2.5	PASS
		VN	-20	4.48	0.002420	± 2.5	PASS
		VN	-10	3.41	0.001842	± 2.5	PASS
		VN	0	4.2	0.002268	± 2.5	PASS
		VN	10	3.92	0.002117	± 2.5	PASS
		VN	20	-1.11	-0.000600	± 2.5	PASS
		VN	30	-1.51	-0.000816	± 2.5	PASS
		VN	40	2.09	0.001129	± 2.5	PASS
		VN	50	-1.16	-0.000627	± 2.5	PASS
	MCH	VN	-30	2.83	0.001505	± 2.5	PASS
		VN	-20	3	0.001596	± 2.5	PASS
		VN	-10	4.01	0.002133	± 2.5	PASS

		VN	0	-1.66	-0.000883	± 2.5	PASS		
		VN	10	3.32	0.001766	± 2.5	PASS		
		VN	20	0.31	0.000165	± 2.5	PASS		
		VN	30	1.49	0.000793	± 2.5	PASS		
		VN	40	4.05	0.002154	± 2.5	PASS		
		VN	50	0.26	0.000138	± 2.5	PASS		
	HCH	VN	-30	-1.14	-0.000597	± 2.5	PASS		
		VN	-20	4.58	0.002400	± 2.5	PASS		
		VN	-10	1.05	0.000550	± 2.5	PASS		
		VN	0	-0.47	-0.000246	± 2.5	PASS		
		VN	10	2	0.001048	± 2.5	PASS		
		VN	20	1.22	0.000639	± 2.5	PASS		
		VN	30	1.99	0.001043	± 2.5	PASS		
		VN	40	-1.94	-0.001017	± 2.5	PASS		
		VN	50	2.94	0.001540	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.79	0.000967	± 2.5	PASS
				VN	-20	4.48	0.002420	± 2.5	PASS
				VN	-10	-1.13	-0.000610	± 2.5	PASS
VN	0			2.55	0.001377	± 2.5	PASS		
VN	10			-0.05	-0.000027	± 2.5	PASS		
VN	20			1.85	0.000999	± 2.5	PASS		
VN	30			4.3	0.002322	± 2.5	PASS		
VN	40			3.98	0.002150	± 2.5	PASS		
VN	50			0.44	0.000238	± 2.5	PASS		
MCH	VN		-30	-1.92	-0.001021	± 2.5	PASS		
	VN		-20	3.74	0.001989	± 2.5	PASS		
	VN		-10	4.35	0.002314	± 2.5	PASS		
	VN		0	4.8	0.002553	± 2.5	PASS		
	VN		10	2.27	0.001207	± 2.5	PASS		
	VN		20	3.61	0.001920	± 2.5	PASS		
	VN		30	3.43	0.001824	± 2.5	PASS		
	VN		40	1.52	0.000809	± 2.5	PASS		
	VN		50	2.61	0.001388	± 2.5	PASS		
HCH	VN		-30	0.32	0.000168	± 2.5	PASS		
	VN		-20	-1.02	-0.000534	± 2.5	PASS		
	VN		-10	4.56	0.002389	± 2.5	PASS		
	VN		0	2.17	0.001137	± 2.5	PASS		
	VN		10	-1.07	-0.000561	± 2.5	PASS		
	VN		20	2.53	0.001326	± 2.5	PASS		
	VN		30	2.3	0.001205	± 2.5	PASS		
	VN		40	-0.46	-0.000241	± 2.5	PASS		

		VN	50	1.22	0.000639	± 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	3.07	0.001657	± 2.5	PASS
		VN	TN	-1.6	-0.000864	± 2.5	PASS
		VH	TN	-0.92	-0.000497	± 2.5	PASS
	MCH	VL	TN	-1.26	-0.000670	± 2.5	PASS
		VN	TN	2.62	0.001394	± 2.5	PASS
		VH	TN	-0.63	-0.000335	± 2.5	PASS
	HCH	VL	TN	0.05	0.000026	± 2.5	PASS
		VN	TN	-0.14	-0.000073	± 2.5	PASS
		VH	TN	1.08	0.000566	± 2.5	PASS
16QAM	LCH	VL	TN	1	0.000540	± 2.5	PASS
		VN	TN	4.82	0.002602	± 2.5	PASS
		VH	TN	-0.35	-0.000189	± 2.5	PASS
	MCH	VL	TN	2.91	0.001548	± 2.5	PASS
		VN	TN	-0.33	-0.000176	± 2.5	PASS
		VH	TN	-0.86	-0.000457	± 2.5	PASS
	HCH	VL	TN	-0.38	-0.000199	± 2.5	PASS
		VN	TN	-1.91	-0.001001	± 2.5	PASS
		VH	TN	0.22	0.000115	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.82	0.000982	± 2.5	PASS
		VN	-20	1.75	0.000945	± 2.5	PASS
		VN	-10	2.28	0.001231	± 2.5	PASS
		VN	0	2.31	0.001247	± 2.5	PASS
		VN	10	3.39	0.001830	± 2.5	PASS
		VN	20	1.94	0.001047	± 2.5	PASS
		VN	30	0.86	0.000464	± 2.5	PASS
		VN	40	3.56	0.001922	± 2.5	PASS
		VN	50	0.58	0.000313	± 2.5	PASS
	MCH	VN	-30	2.13	0.001133	± 2.5	PASS
		VN	-20	2.53	0.001346	± 2.5	PASS
		VN	-10	-0.57	-0.000303	± 2.5	PASS
		VN	0	3.02	0.001606	± 2.5	PASS

		VN	10	-1.84	-0.000979	± 2.5	PASS
		VN	20	-0.26	-0.000138	± 2.5	PASS
		VN	30	-1.27	-0.000676	± 2.5	PASS
		VN	40	1.56	0.000830	± 2.5	PASS
		VN	50	4.99	0.002654	± 2.5	PASS
	HCH	VN	-30	4.13	0.002165	± 2.5	PASS
		VN	-20	-0.47	-0.000246	± 2.5	PASS
		VN	-10	-0.86	-0.000451	± 2.5	PASS
		VN	0	-1.99	-0.001043	± 2.5	PASS
		VN	10	3.96	0.002076	± 2.5	PASS
		VN	20	3.95	0.002071	± 2.5	PASS
		VN	30	-0.36	-0.000189	± 2.5	PASS
		VN	40	4.18	0.002191	± 2.5	PASS
		VN	50	2.09	0.001096	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.25	-0.000675
VN	-20			-0.33	-0.000178	± 2.5	PASS
VN	-10			1.27	0.000686	± 2.5	PASS
VN	0			0.4	0.000216	± 2.5	PASS
VN	10			-0.5	-0.000270	± 2.5	PASS
VN	20			2.43	0.001312	± 2.5	PASS
VN	30			0.33	0.000178	± 2.5	PASS
VN	40			1.7	0.000918	± 2.5	PASS
VN	50			-1.43	-0.000772	± 2.5	PASS
MCH	VN		-30	1.35	0.000718	± 2.5	PASS
	VN		-20	3.2	0.001702	± 2.5	PASS
	VN		-10	1.27	0.000676	± 2.5	PASS
	VN		0	-0.23	-0.000122	± 2.5	PASS
	VN		10	4.83	0.002569	± 2.5	PASS
	VN		20	3.02	0.001606	± 2.5	PASS
	VN		30	-0.19	-0.000101	± 2.5	PASS
	VN		40	3.25	0.001729	± 2.5	PASS
	VN		50	-0.22	-0.000117	± 2.5	PASS
HCH	VN		-30	0.26	0.000136	± 2.5	PASS
	VN		-20	-0.79	-0.000414	± 2.5	PASS
	VN		-10	-1.09	-0.000571	± 2.5	PASS
	VN		0	2.37	0.001242	± 2.5	PASS
	VN		10	0.62	0.000325	± 2.5	PASS
	VN		20	-1.65	-0.000865	± 2.5	PASS
	VN		30	0.3	0.000157	± 2.5	PASS
	VN		40	-1.34	-0.000702	± 2.5	PASS
	VN		50	3.78	0.001982	± 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	0.12	0.000065	± 2.5	PASS
		VN	TN	3.27	0.001763	± 2.5	PASS
		VH	TN	0.82	0.000442	± 2.5	PASS
	MCH	VL	TN	-1.27	-0.000676	± 2.5	PASS
		VN	TN	-1.86	-0.000989	± 2.5	PASS
		VH	TN	3.64	0.001936	± 2.5	PASS
	HCH	VL	TN	0.51	0.000268	± 2.5	PASS
		VN	TN	-1.08	-0.000567	± 2.5	PASS
		VH	TN	4.02	0.002110	± 2.5	PASS
16QAM	LCH	VL	TN	4.94	0.002663	± 2.5	PASS
		VN	TN	2.07	0.001116	± 2.5	PASS
		VH	TN	1.58	0.000852	± 2.5	PASS
	MCH	VL	TN	1.63	0.000867	± 2.5	PASS
		VN	TN	-0.77	-0.000410	± 2.5	PASS
		VH	TN	3.35	0.001782	± 2.5	PASS
	HCH	VL	TN	0.01	0.000005	± 2.5	PASS
		VN	TN	0.2	0.000105	± 2.5	PASS
		VH	TN	-0.75	-0.000394	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.51	0.000275	± 2.5	PASS
		VN	-20	2.54	0.001369	± 2.5	PASS
		VN	-10	-1.74	-0.000938	± 2.5	PASS
		VN	0	0.99	0.000534	± 2.5	PASS
		VN	10	-0.09	-0.000049	± 2.5	PASS
		VN	20	-0.17	-0.000092	± 2.5	PASS
		VN	30	3.5	0.001887	± 2.5	PASS
		VN	40	0.52	0.000280	± 2.5	PASS
	MCH	VN	50	-1.06	-0.000571	± 2.5	PASS
		VN	-30	0.67	0.000356	± 2.5	PASS
		VN	-20	4.4	0.002340	± 2.5	PASS
		VN	-10	3.49	0.001856	± 2.5	PASS
		VN	0	-0.18	-0.000096	± 2.5	PASS
		VN	10	2.53	0.001346	± 2.5	PASS
		VN	20	4.54	0.002415	± 2.5	PASS

		VN	30	4.42	0.002351	± 2.5	PASS
		VN	40	2.54	0.001351	± 2.5	PASS
		VN	50	2.03	0.001080	± 2.5	PASS
	HCH	VN	-30	-0.15	-0.000079	± 2.5	PASS
		VN	-20	4.13	0.002168	± 2.5	PASS
		VN	-10	2.06	0.001081	± 2.5	PASS
		VN	0	3.63	0.001906	± 2.5	PASS
		VN	10	1.14	0.000598	± 2.5	PASS
		VN	20	4.33	0.002273	± 2.5	PASS
		VN	30	4.27	0.002241	± 2.5	PASS
		VN	40	3.69	0.001937	± 2.5	PASS
		VN	50	4.13	0.002168	± 2.5	PASS
16QAM	LCH	VN	-30	-1.39	-0.000749	± 2.5	PASS
		VN	-20	1.02	0.000550	± 2.5	PASS
		VN	-10	-1.22	-0.000658	± 2.5	PASS
		VN	0	2.28	0.001229	± 2.5	PASS
		VN	10	1.59	0.000857	± 2.5	PASS
		VN	20	-0.64	-0.000345	± 2.5	PASS
		VN	30	3.44	0.001854	± 2.5	PASS
		VN	40	-0.94	-0.000507	± 2.5	PASS
		VN	50	0.63	0.000340	± 2.5	PASS
	MCH	VN	-30	2.93	0.001559	± 2.5	PASS
		VN	-20	2.69	0.001431	± 2.5	PASS
		VN	-10	-1.82	-0.000968	± 2.5	PASS
		VN	0	1.19	0.000633	± 2.5	PASS
		VN	10	3.48	0.001851	± 2.5	PASS
		VN	20	1.45	0.000771	± 2.5	PASS
		VN	30	-1.9	-0.001011	± 2.5	PASS
		VN	40	1.27	0.000676	± 2.5	PASS
		VN	50	1.47	0.000782	± 2.5	PASS
	HCH	VN	-30	3.99	0.002094	± 2.5	PASS
		VN	-20	2.47	0.001297	± 2.5	PASS
		VN	-10	-0.12	-0.000063	± 2.5	PASS
		VN	0	0.59	0.000310	± 2.5	PASS
		VN	10	1.92	0.001008	± 2.5	PASS
		VN	20	4.28	0.002247	± 2.5	PASS
		VN	30	3.04	0.001596	± 2.5	PASS
		VN	40	-1.81	-0.000950	± 2.5	PASS
		VN	50	1.04	0.000546	± 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	2.99	0.001610	± 2.5	PASS
		VN	TN	2.03	0.001093	± 2.5	PASS
		VH	TN	1.15	0.000619	± 2.5	PASS
	MCH	VL	TN	2.01	0.001069	± 2.5	PASS
		VN	TN	3.36	0.001787	± 2.5	PASS
		VH	TN	-1.59	-0.000846	± 2.5	PASS
	HCH	VL	TN	1.39	0.000731	± 2.5	PASS
		VN	TN	2.3	0.001209	± 2.5	PASS
		VH	TN	1.79	0.000941	± 2.5	PASS
16QAM	LCH	VL	TN	0.75	0.000404	± 2.5	PASS
		VN	TN	3.53	0.001900	± 2.5	PASS
		VH	TN	4.87	0.002622	± 2.5	PASS
	MCH	VL	TN	0.05	0.000027	± 2.5	PASS
		VN	TN	2.73	0.001452	± 2.5	PASS
		VH	TN	-0.29	-0.000154	± 2.5	PASS
	HCH	VL	TN	0.69	0.000363	± 2.5	PASS
		VN	TN	0.24	0.000126	± 2.5	PASS
		VH	TN	2.79	0.001466	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.79	0.000964	± 2.5	PASS
		VN	-20	1.19	0.000641	± 2.5	PASS
		VN	-10	3.3	0.001777	± 2.5	PASS
		VN	0	0.26	0.000140	± 2.5	PASS
		VN	10	4.52	0.002433	± 2.5	PASS
		VN	20	1.63	0.000878	± 2.5	PASS
		VN	30	-1.27	-0.000684	± 2.5	PASS
		VN	40	2.9	0.001561	± 2.5	PASS
	MCH	VN	50	0.34	0.000183	± 2.5	PASS
		VN	-30	0.47	0.000250	± 2.5	PASS
		VN	-20	0.95	0.000505	± 2.5	PASS
		VN	-10	-1.2	-0.000638	± 2.5	PASS
		VN	0	0.18	0.000096	± 2.5	PASS
		VN	10	1.36	0.000723	± 2.5	PASS
VN	20	2.6	0.001383	± 2.5	PASS		

		VN	30	4.53	0.002410	± 2.5	PASS
		VN	40	4.71	0.002505	± 2.5	PASS
		VN	50	-0.24	-0.000128	± 2.5	PASS
	HCH	VN	-30	0.51	0.000268	± 2.5	PASS
		VN	-20	-0.86	-0.000452	± 2.5	PASS
		VN	-10	2.49	0.001309	± 2.5	PASS
		VN	0	2.83	0.001488	± 2.5	PASS
		VN	10	3.77	0.001982	± 2.5	PASS
		VN	20	1.61	0.000846	± 2.5	PASS
		VN	30	1.11	0.000583	± 2.5	PASS
		VN	40	1.99	0.001046	± 2.5	PASS
		VN	50	-1.32	-0.000694	± 2.5	PASS
16QAM	LCH	VN	-30	1.52	0.000818	± 2.5	PASS
		VN	-20	0.66	0.000355	± 2.5	PASS
		VN	-10	3.37	0.001814	± 2.5	PASS
		VN	0	-1.93	-0.001039	± 2.5	PASS
		VN	10	-1.92	-0.001034	± 2.5	PASS
		VN	20	3.07	0.001653	± 2.5	PASS
		VN	30	2.32	0.001249	± 2.5	PASS
		VN	40	-1.2	-0.000646	± 2.5	PASS
		VN	50	3.94	0.002121	± 2.5	PASS
	MCH	VN	-30	0.28	0.000149	± 2.5	PASS
		VN	-20	1.56	0.000830	± 2.5	PASS
		VN	-10	-1.08	-0.000574	± 2.5	PASS
		VN	0	-1.33	-0.000707	± 2.5	PASS
		VN	10	-0.51	-0.000271	± 2.5	PASS
		VN	20	1.56	0.000830	± 2.5	PASS
		VN	30	1.9	0.001011	± 2.5	PASS
		VN	40	4.5	0.002394	± 2.5	PASS
		VN	50	-0.03	-0.000016	± 2.5	PASS
	HCH	VN	-30	0.18	0.000095	± 2.5	PASS
		VN	-20	1.14	0.000599	± 2.5	PASS
		VN	-10	0.32	0.000168	± 2.5	PASS
		VN	0	-0.3	-0.000158	± 2.5	PASS
		VN	10	-1.73	-0.000909	± 2.5	PASS
		VN	20	3.27	0.001719	± 2.5	PASS
		VN	30	1.3	0.000683	± 2.5	PASS
		VN	40	0.33	0.000173	± 2.5	PASS
		VN	50	-1.74	-0.000915	± 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	0.59	0.000317	± 2.5	PASS
		VN	TN	4.59	0.002468	± 2.5	PASS
		VH	TN	1.18	0.000634	± 2.5	PASS
	MCH	VL	TN	-1.39	-0.000739	± 2.5	PASS
		VN	TN	1.03	0.000548	± 2.5	PASS
		VH	TN	2.17	0.001154	± 2.5	PASS
	HCH	VL	TN	0.89	0.000468	± 2.5	PASS
		VN	TN	0.76	0.000400	± 2.5	PASS
		VH	TN	3.21	0.001689	± 2.5	PASS
16QAM	LCH	VL	TN	4.18	0.002247	± 2.5	PASS
		VN	TN	3.01	0.001618	± 2.5	PASS
		VH	TN	-0.47	-0.000253	± 2.5	PASS
	MCH	VL	TN	-1.14	-0.000606	± 2.5	PASS
		VN	TN	0.9	0.000479	± 2.5	PASS
		VH	TN	4.3	0.002287	± 2.5	PASS
	HCH	VL	TN	-0.34	-0.000179	± 2.5	PASS
		VN	TN	4.83	0.002542	± 2.5	PASS
		VH	TN	1.7	0.000895	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.75	0.000941	± 2.5	PASS
		VN	-20	4.19	0.002253	± 2.5	PASS
		VN	-10	-0.4	-0.000215	± 2.5	PASS
		VN	0	0.25	0.000134	± 2.5	PASS
		VN	10	-0.28	-0.000151	± 2.5	PASS
		VN	20	3.26	0.001753	± 2.5	PASS
		VN	30	-0.46	-0.000247	± 2.5	PASS
		VN	40	-1	-0.000538	± 2.5	PASS
	MCH	VN	50	2.61	0.001403	± 2.5	PASS
		VN	-30	3.78	0.002011	± 2.5	PASS
		VN	-20	1.05	0.000559	± 2.5	PASS
		VN	-10	-1.49	-0.000793	± 2.5	PASS
		VN	0	-1.34	-0.000713	± 2.5	PASS
		VN	10	3.79	0.002016	± 2.5	PASS
VN	20	-0.85	-0.000452	± 2.5	PASS		

	VN	30	-0.62	-0.000330	± 2.5	PASS	
		40	0.53	0.000282	± 2.5	PASS	
		50	-0.15	-0.000080	± 2.5	PASS	
	HCH	VN	-30	-0.12	-0.000063	± 2.5	PASS
		VN	-20	4.14	0.002179	± 2.5	PASS
		VN	-10	-1.66	-0.000874	± 2.5	PASS
		VN	0	1.48	0.000779	± 2.5	PASS
		VN	10	-0.55	-0.000289	± 2.5	PASS
		VN	20	0.6	0.000316	± 2.5	PASS
		VN	30	3.46	0.001821	± 2.5	PASS
		VN	40	-0.08	-0.000042	± 2.5	PASS
		VN	50	1.67	0.000879	± 2.5	PASS
		16QAM	LCH	VN	-30	3.33	0.001790
VN	-20			4.66	0.002505	± 2.5	PASS
VN	-10			4.54	0.002441	± 2.5	PASS
VN	0			-0.69	-0.000371	± 2.5	PASS
VN	10			3.38	0.001817	± 2.5	PASS
VN	20			-1.98	-0.001065	± 2.5	PASS
VN	30			-0.02	-0.000011	± 2.5	PASS
VN	40			4.15	0.002231	± 2.5	PASS
VN	50			2.87	0.001543	± 2.5	PASS
MCH	VN		-30	4.98	0.002649	± 2.5	PASS
	VN		-20	-0.66	-0.000351	± 2.5	PASS
	VN		-10	1.13	0.000601	± 2.5	PASS
	VN		0	1.23	0.000654	± 2.5	PASS
	VN		10	2.85	0.001516	± 2.5	PASS
	VN		20	3.28	0.001745	± 2.5	PASS
	VN		30	4.17	0.002218	± 2.5	PASS
	VN		40	-1.16	-0.000617	± 2.5	PASS
	VN		50	3.6	0.001915	± 2.5	PASS
HCH	VN		-30	0.26	0.000137	± 2.5	PASS
	VN		-20	3.19	0.001679	± 2.5	PASS
	VN		-10	-1.7	-0.000895	± 2.5	PASS
	VN		0	-0.23	-0.000121	± 2.5	PASS
	VN		10	2.43	0.001279	± 2.5	PASS
	VN		20	3.13	0.001647	± 2.5	PASS
	VN		30	4.07	0.002142	± 2.5	PASS
	VN		40	-0.4	-0.000211	± 2.5	PASS
	VN		50	-1.72	-0.000905	± 2.5	PASS