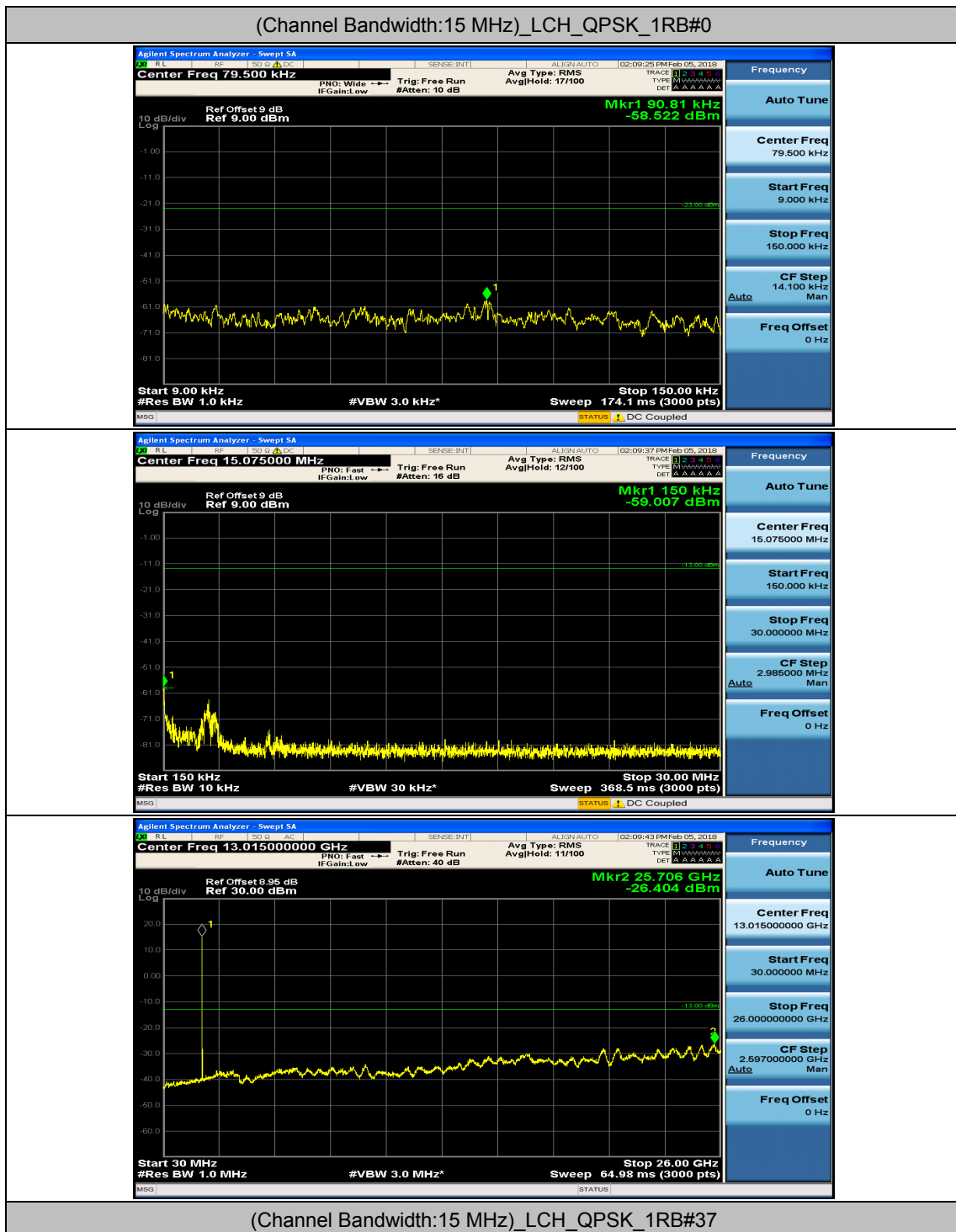
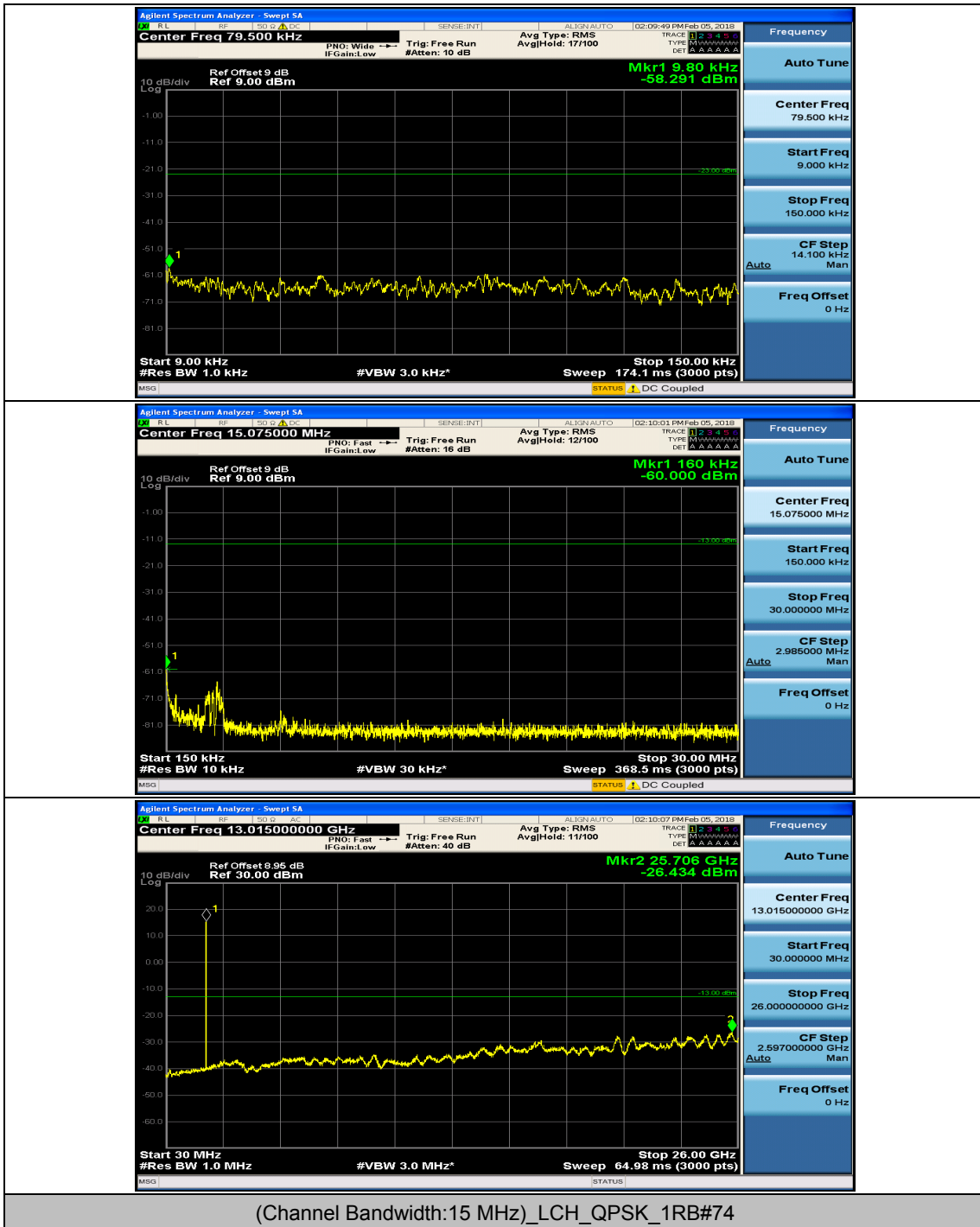
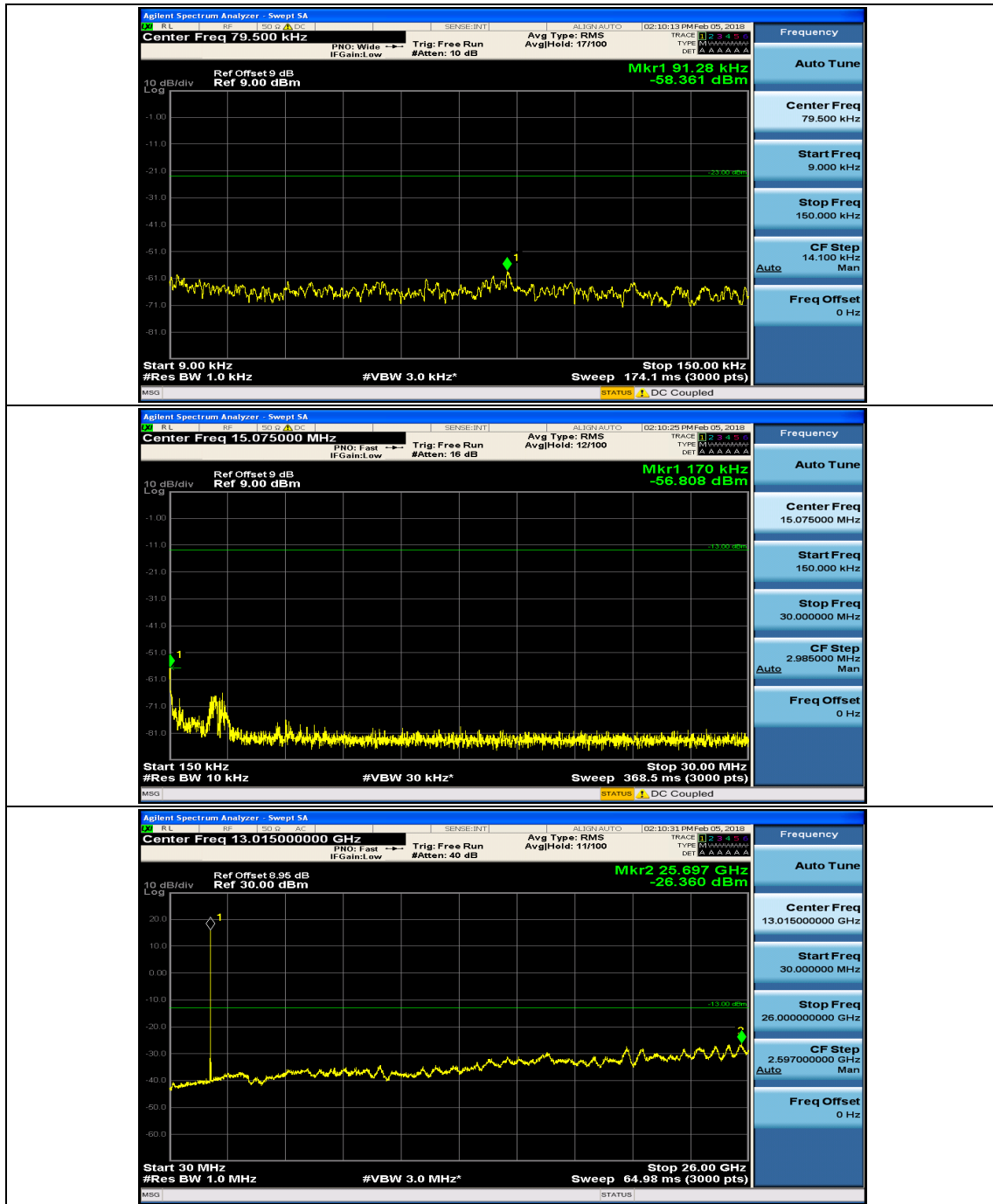


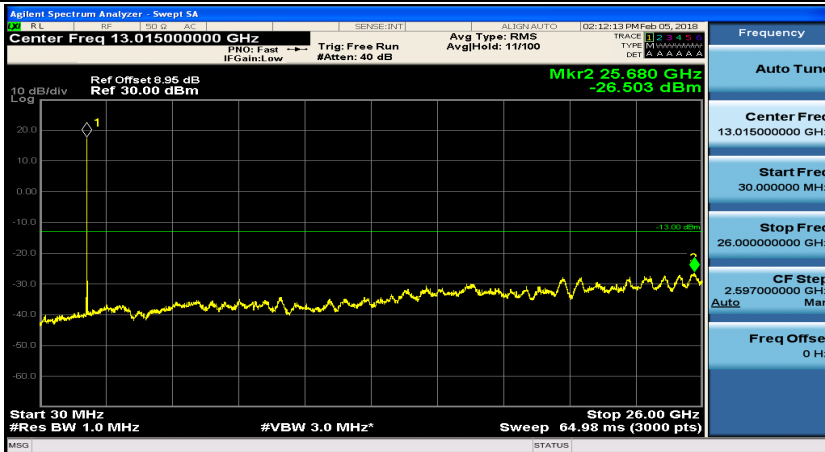
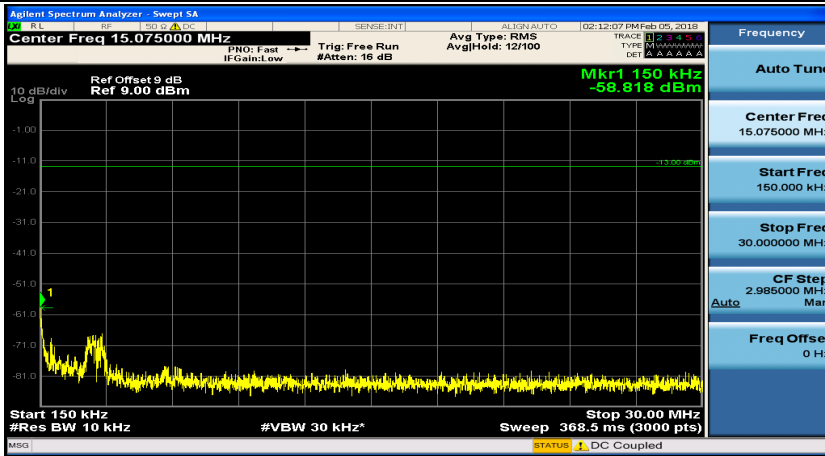
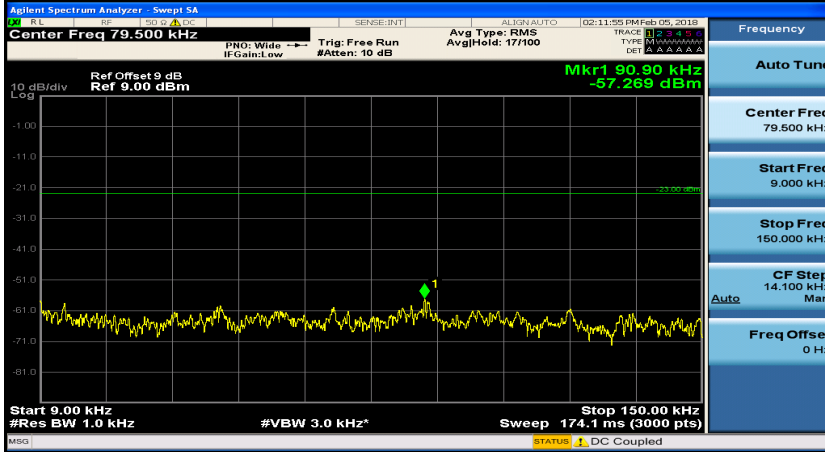
Channel Bandwidth: 15 MHz



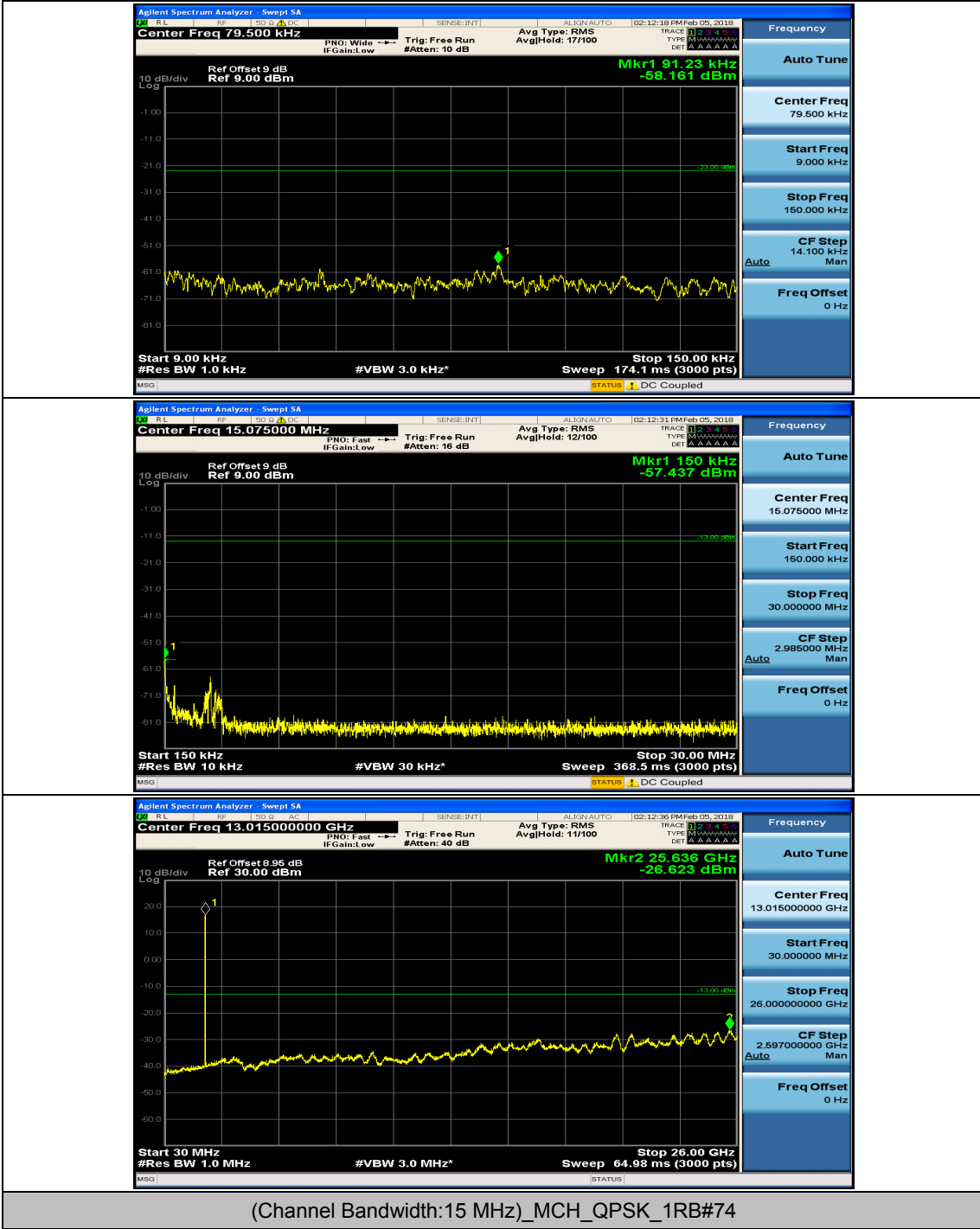


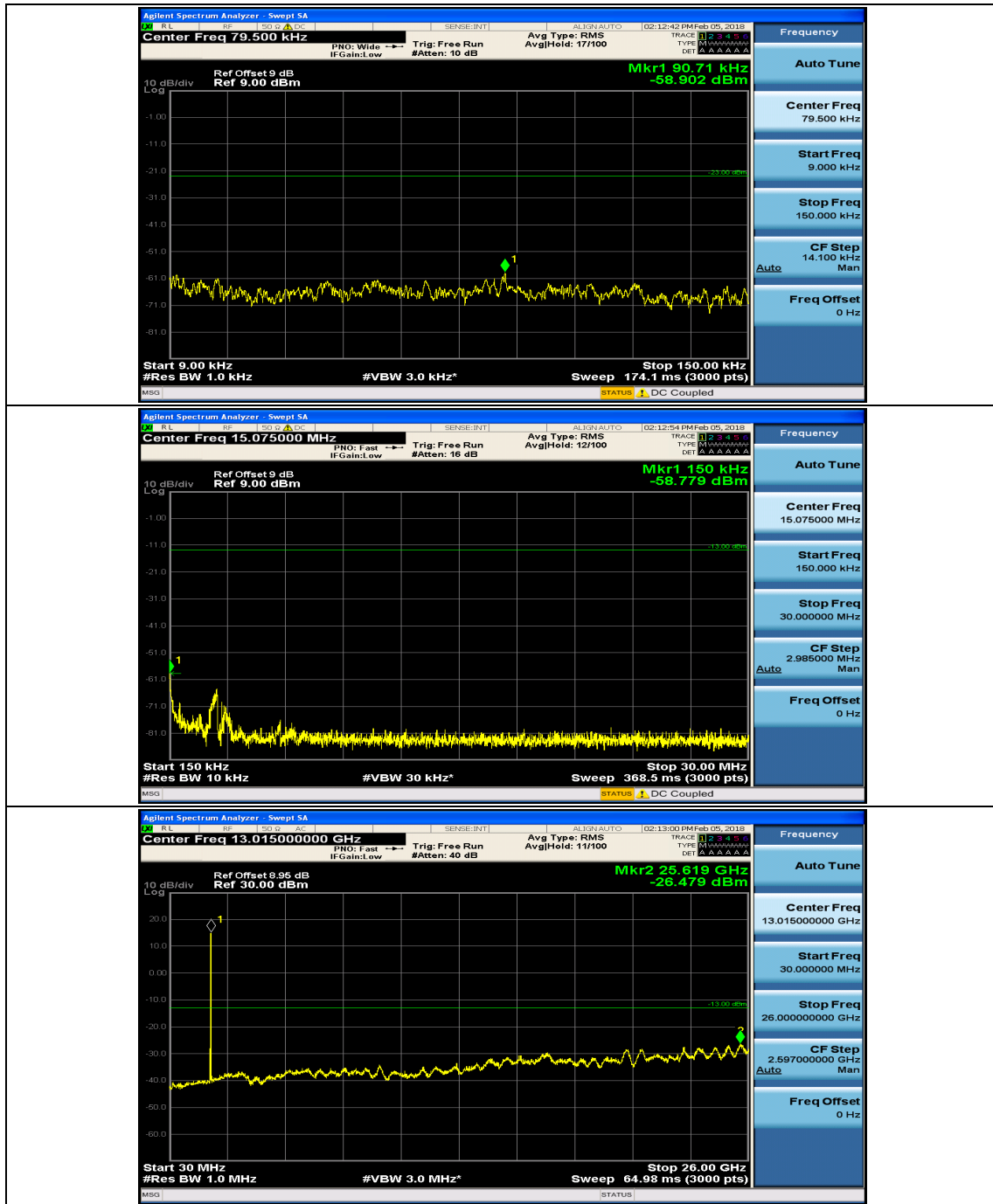


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

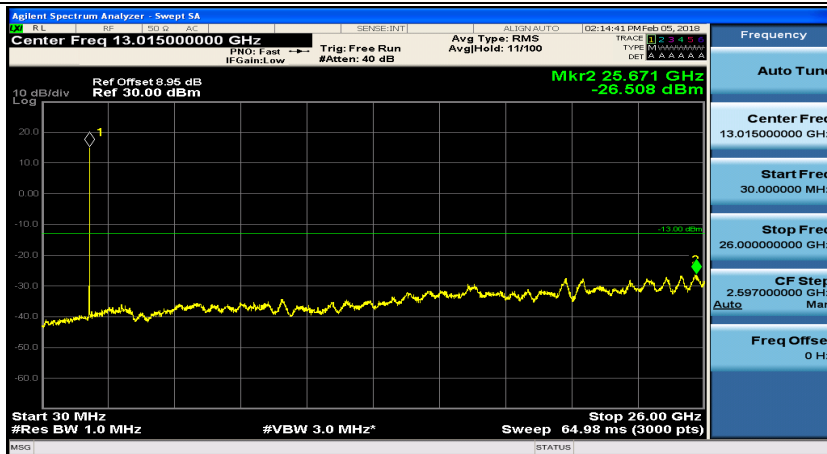
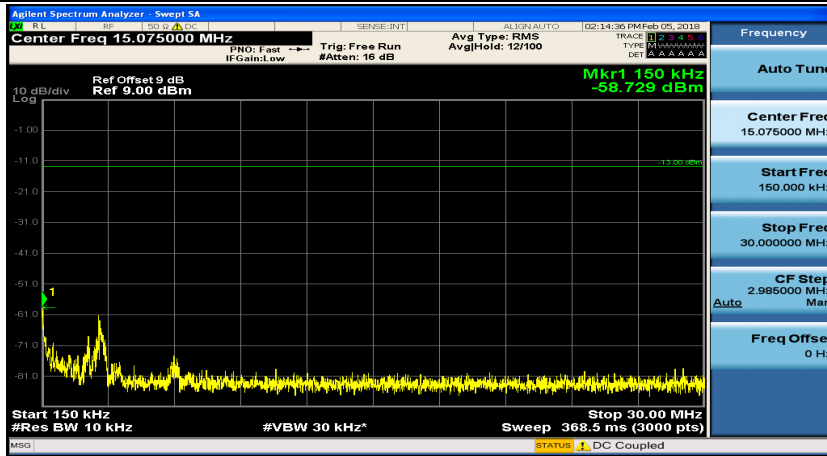
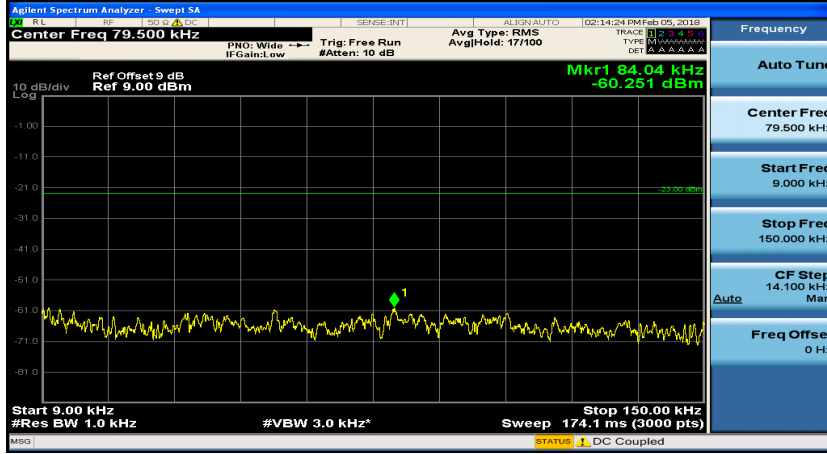


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

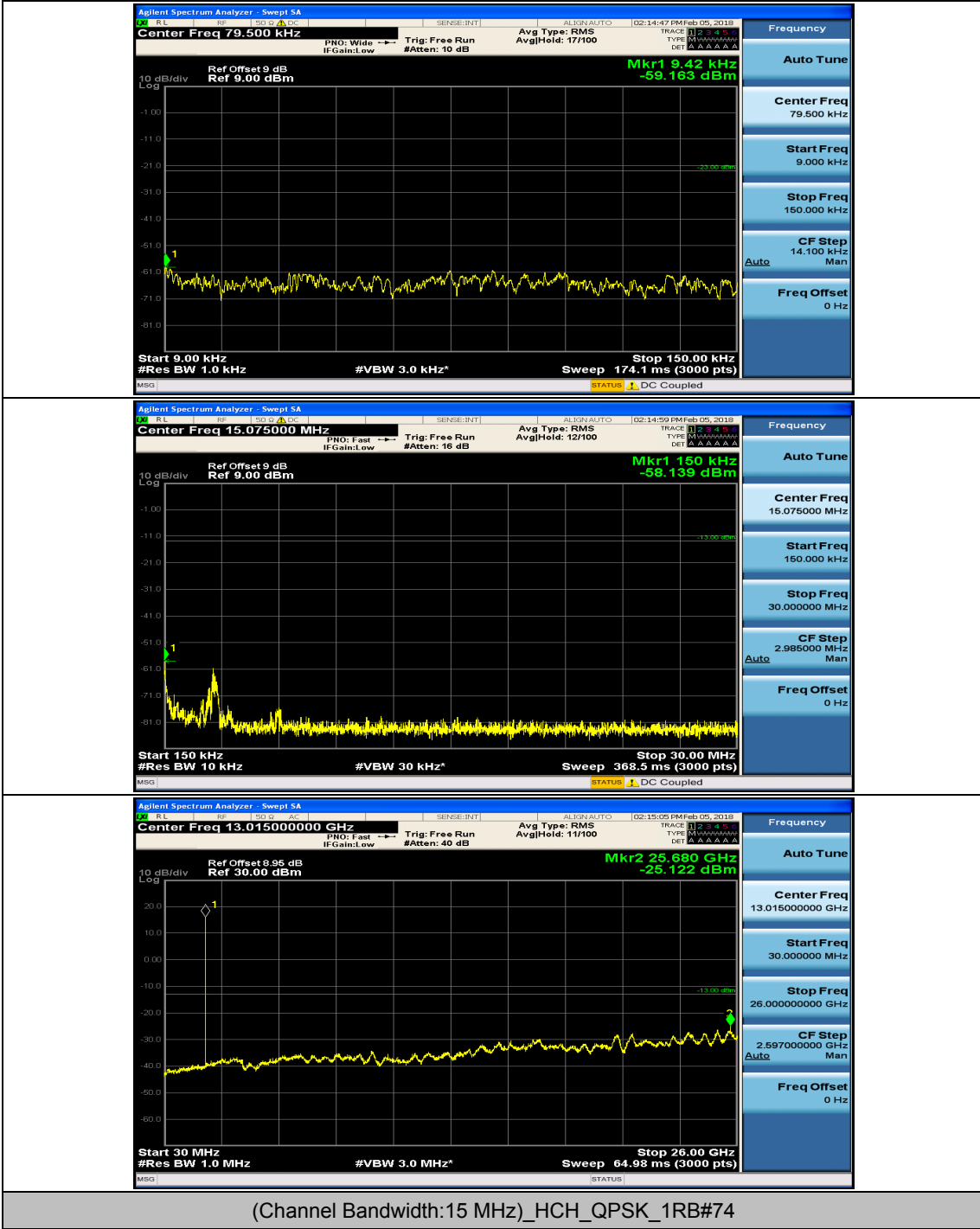


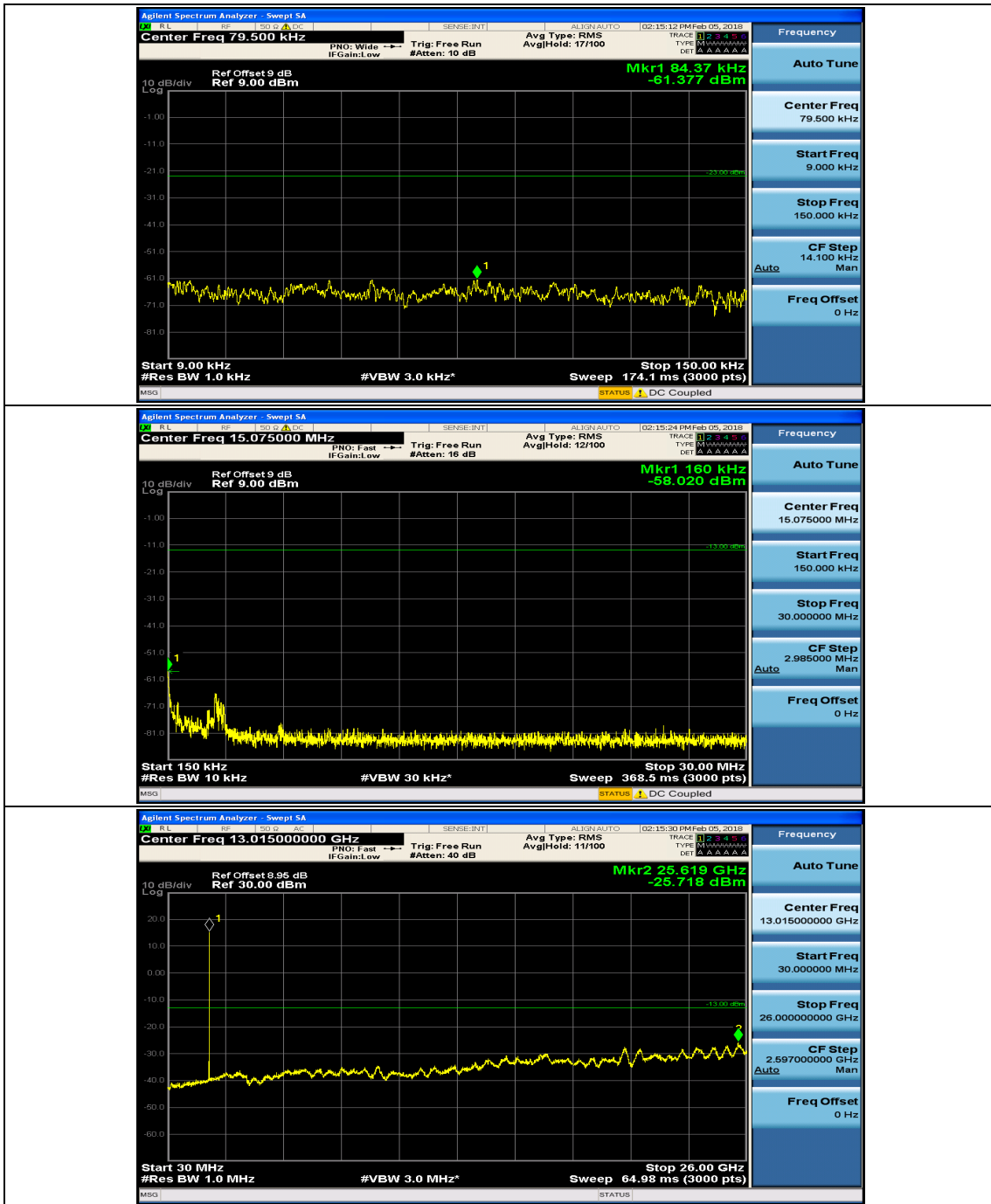


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

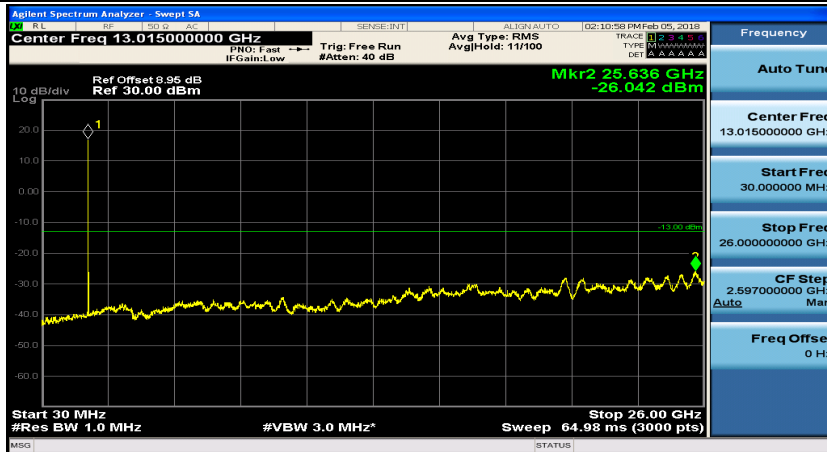
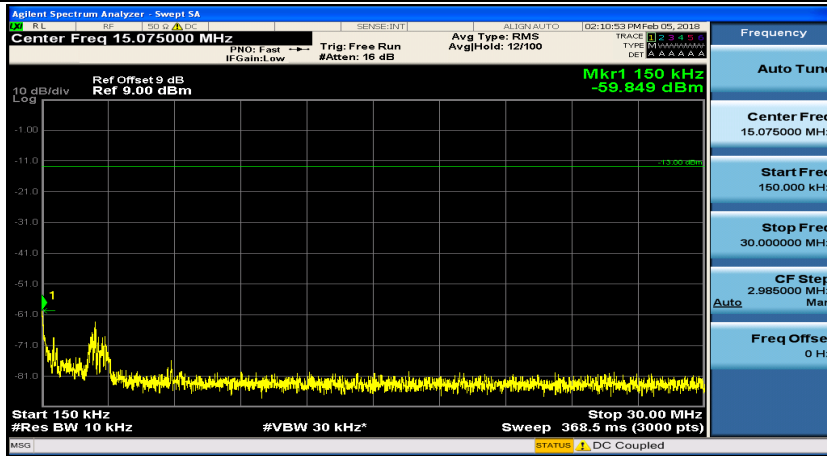
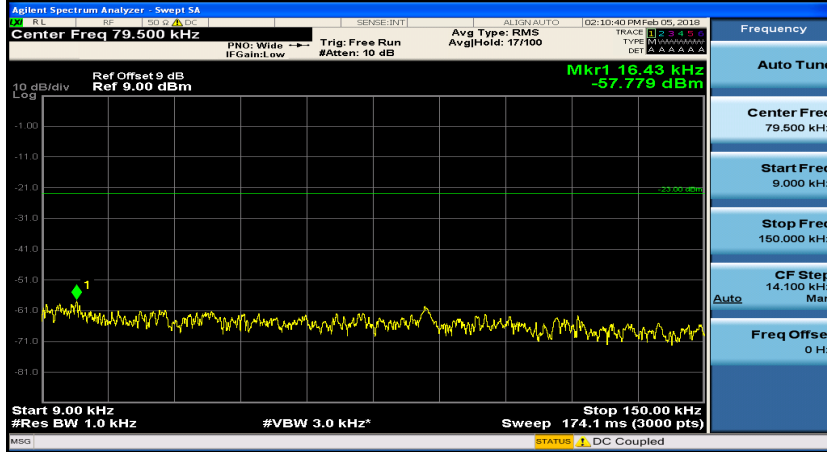


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

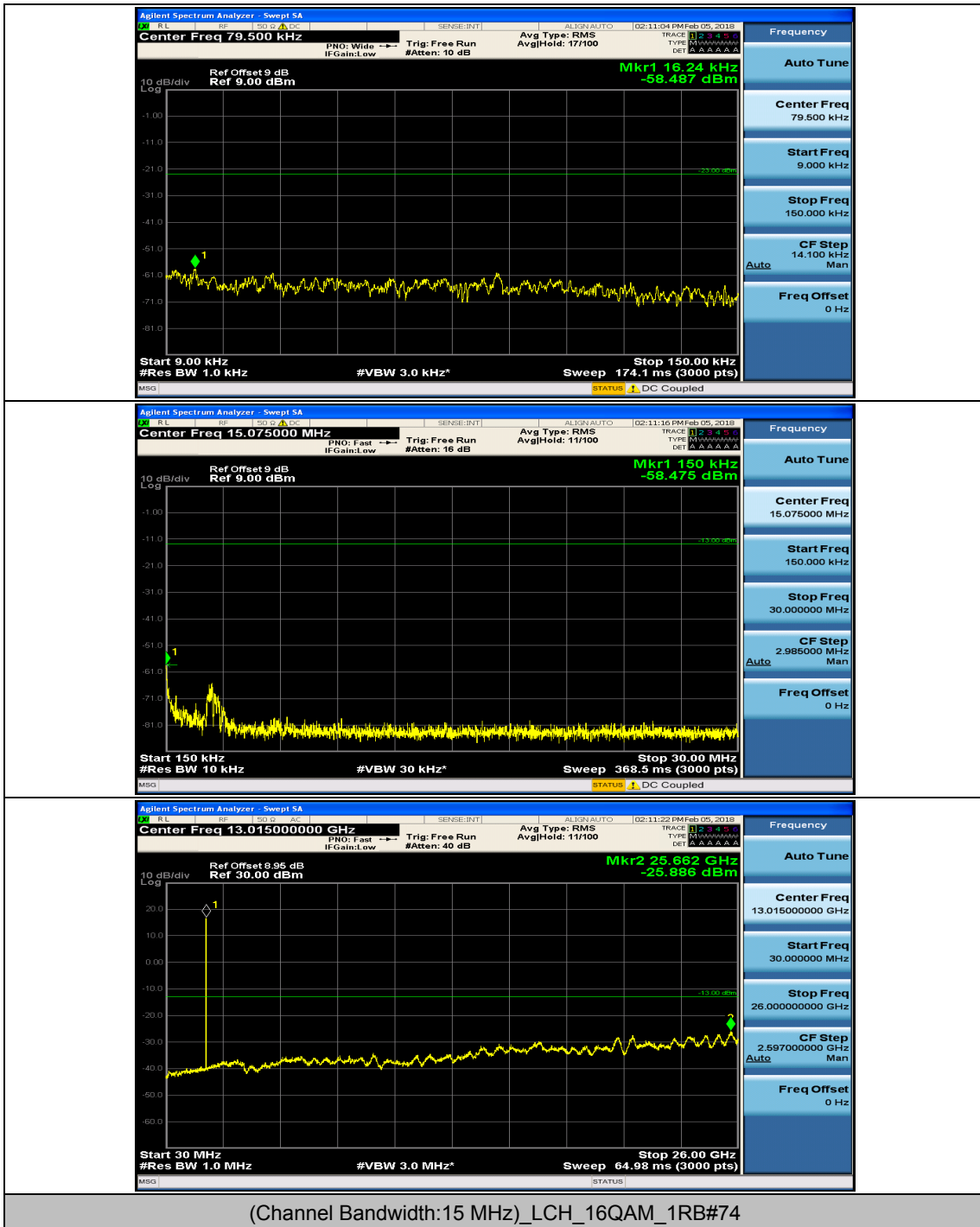


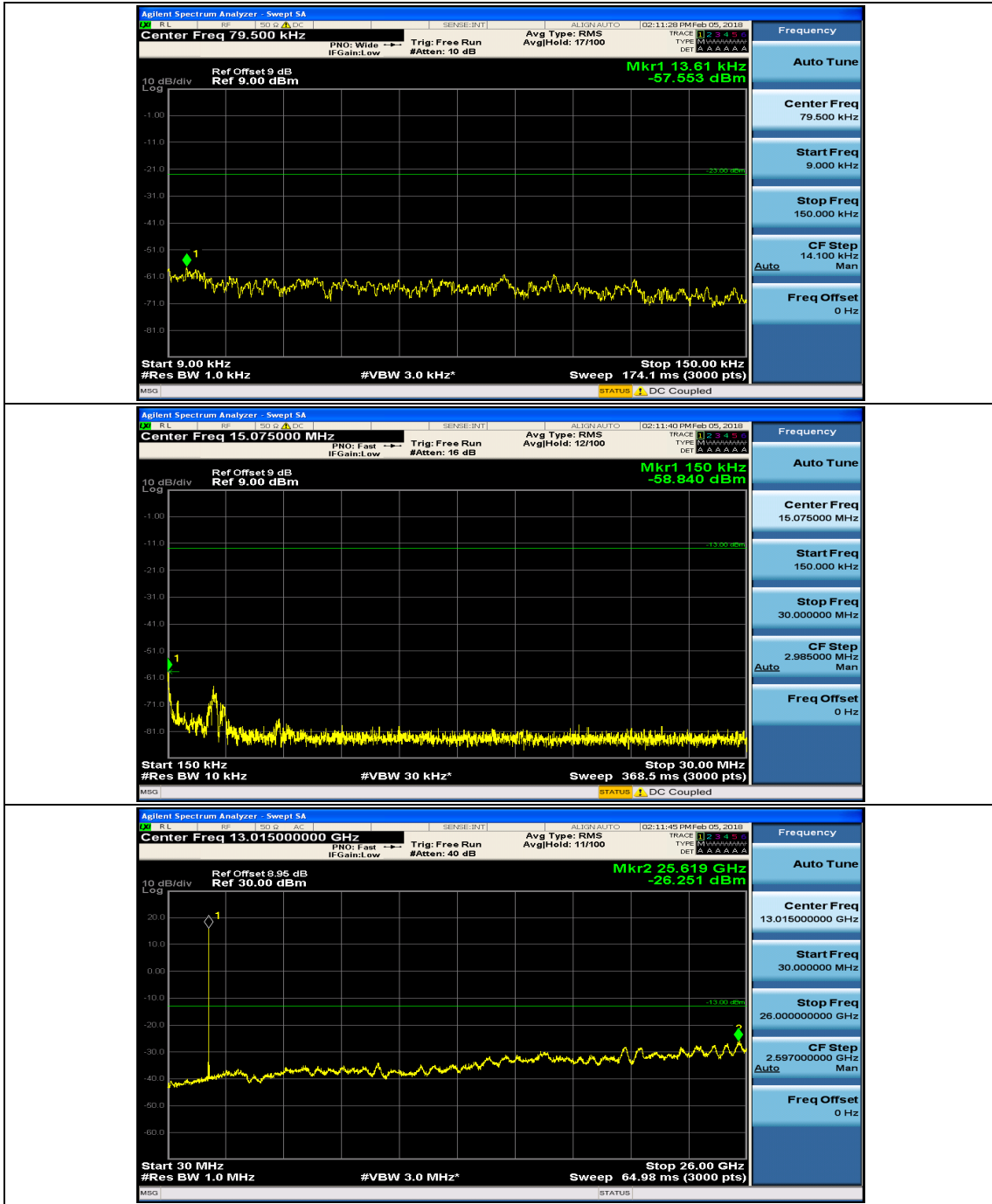


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

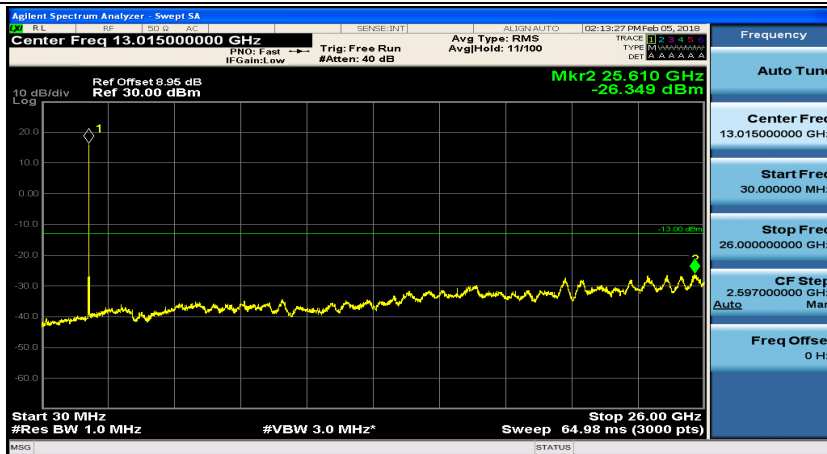
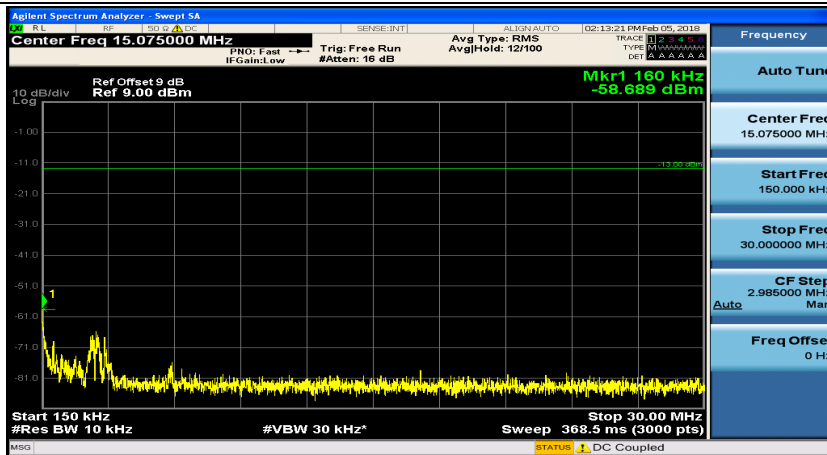
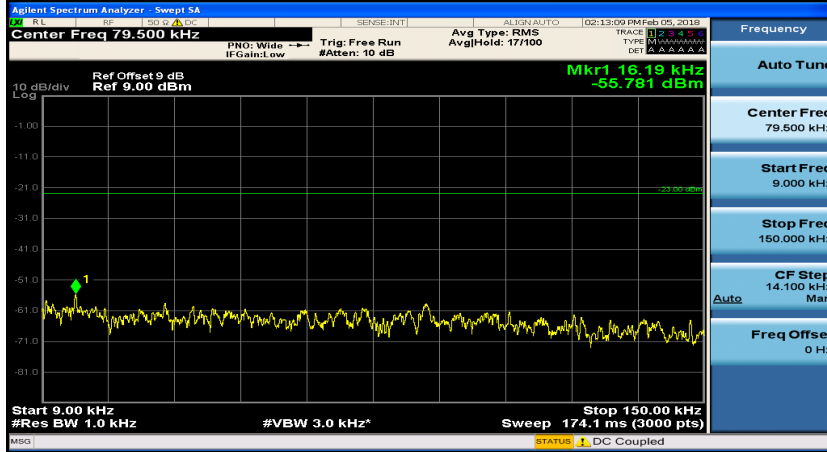


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

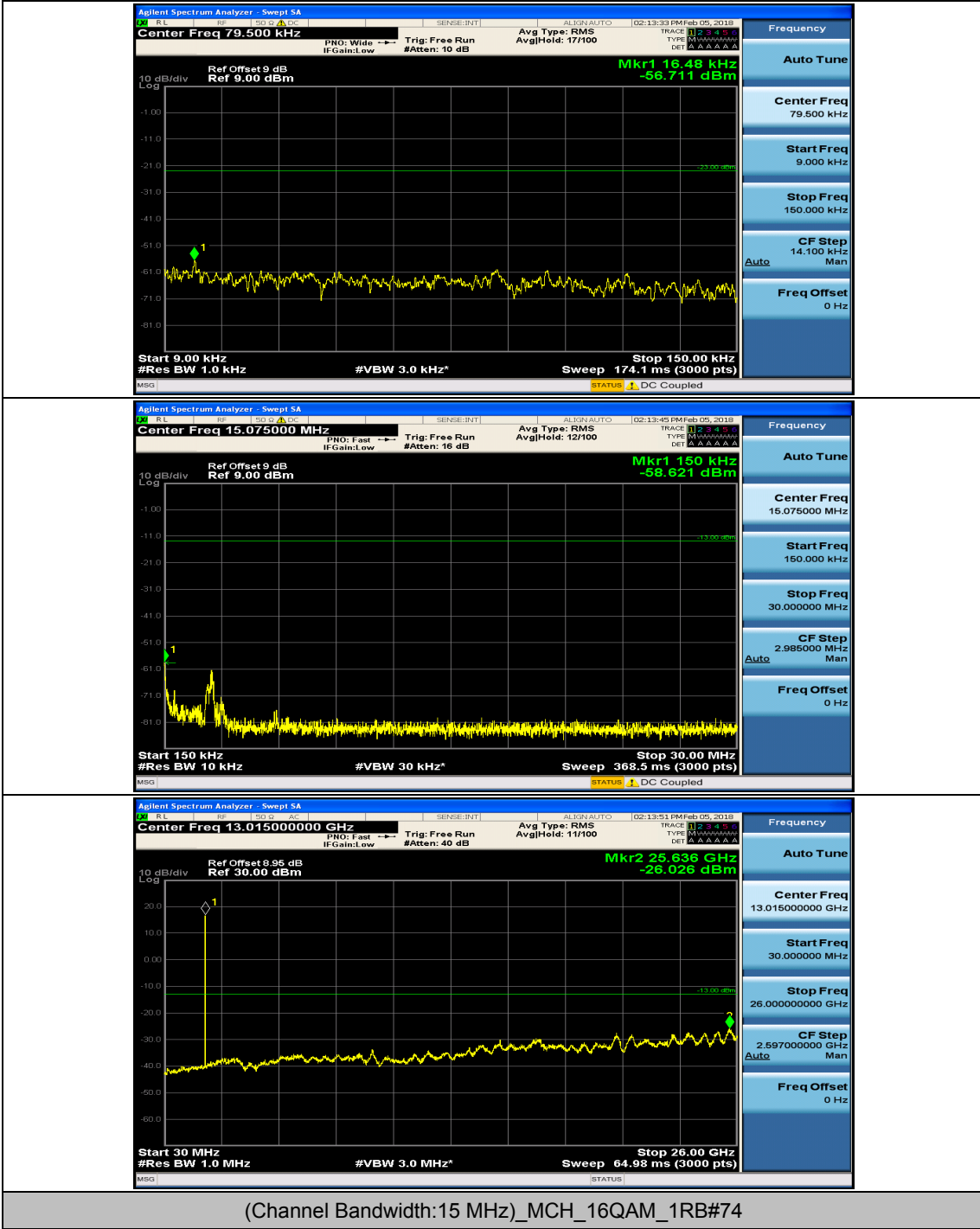


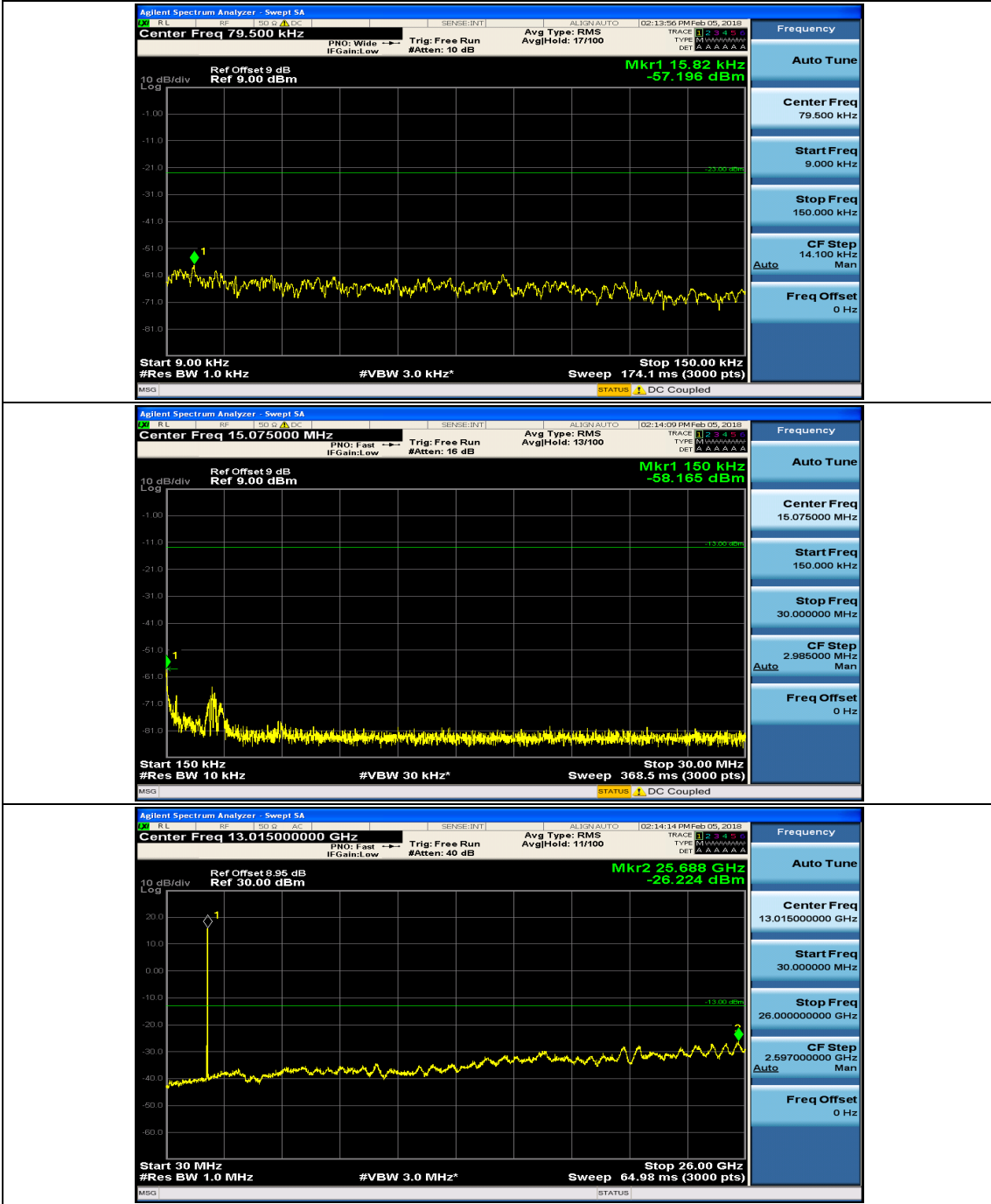


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

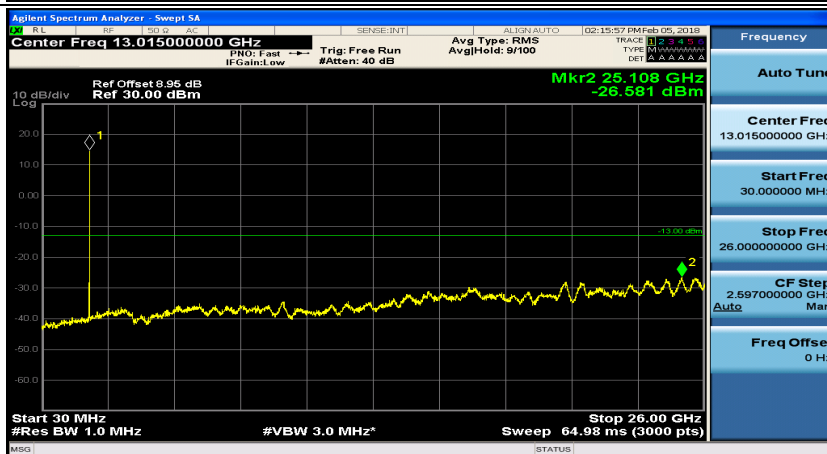
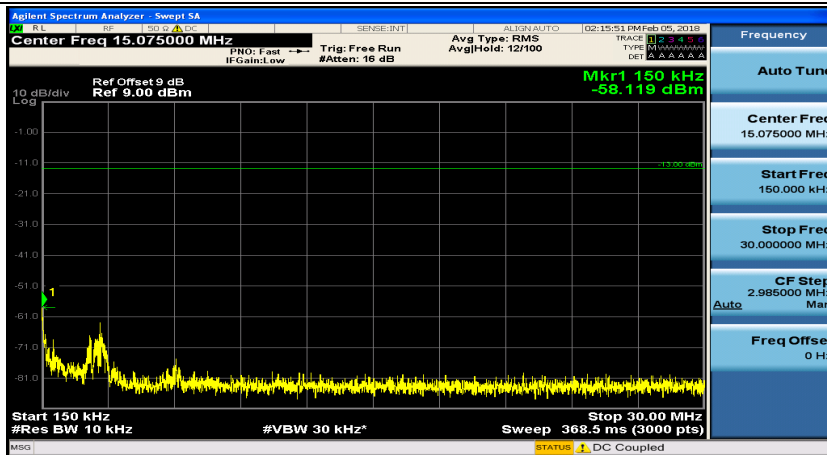
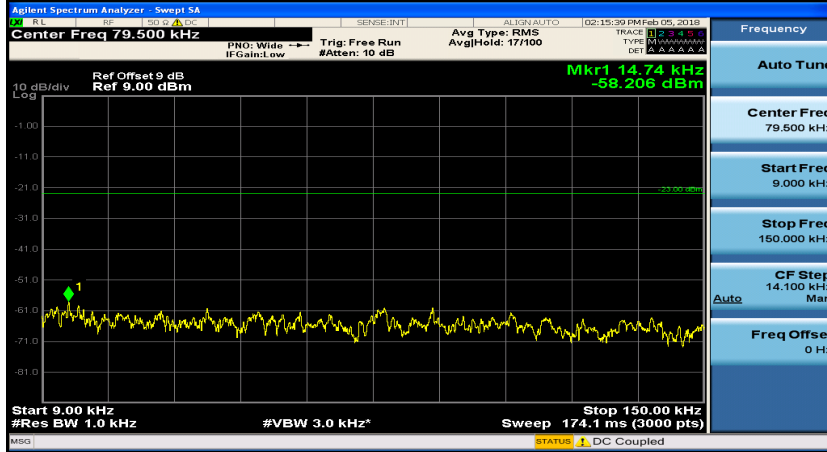


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

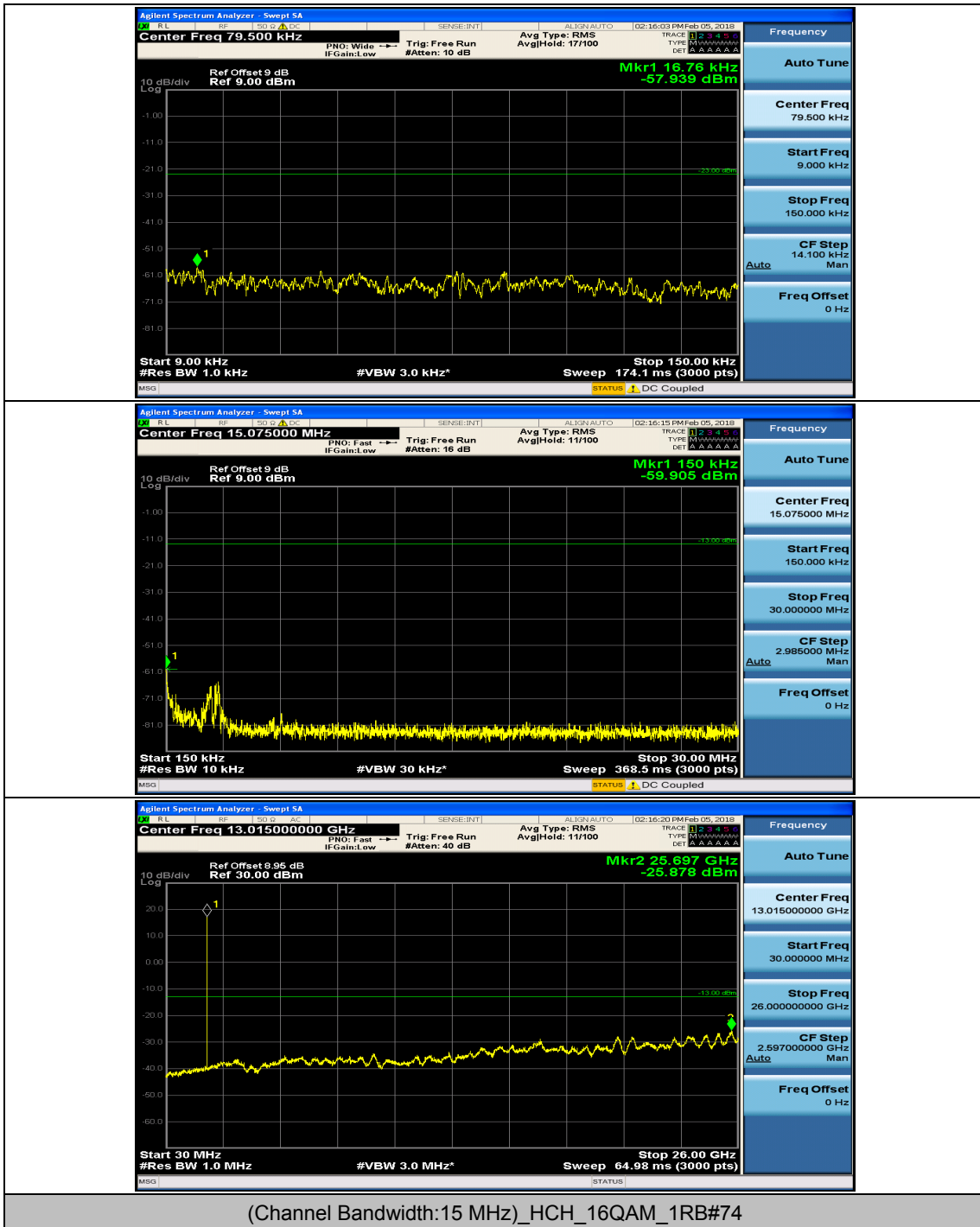


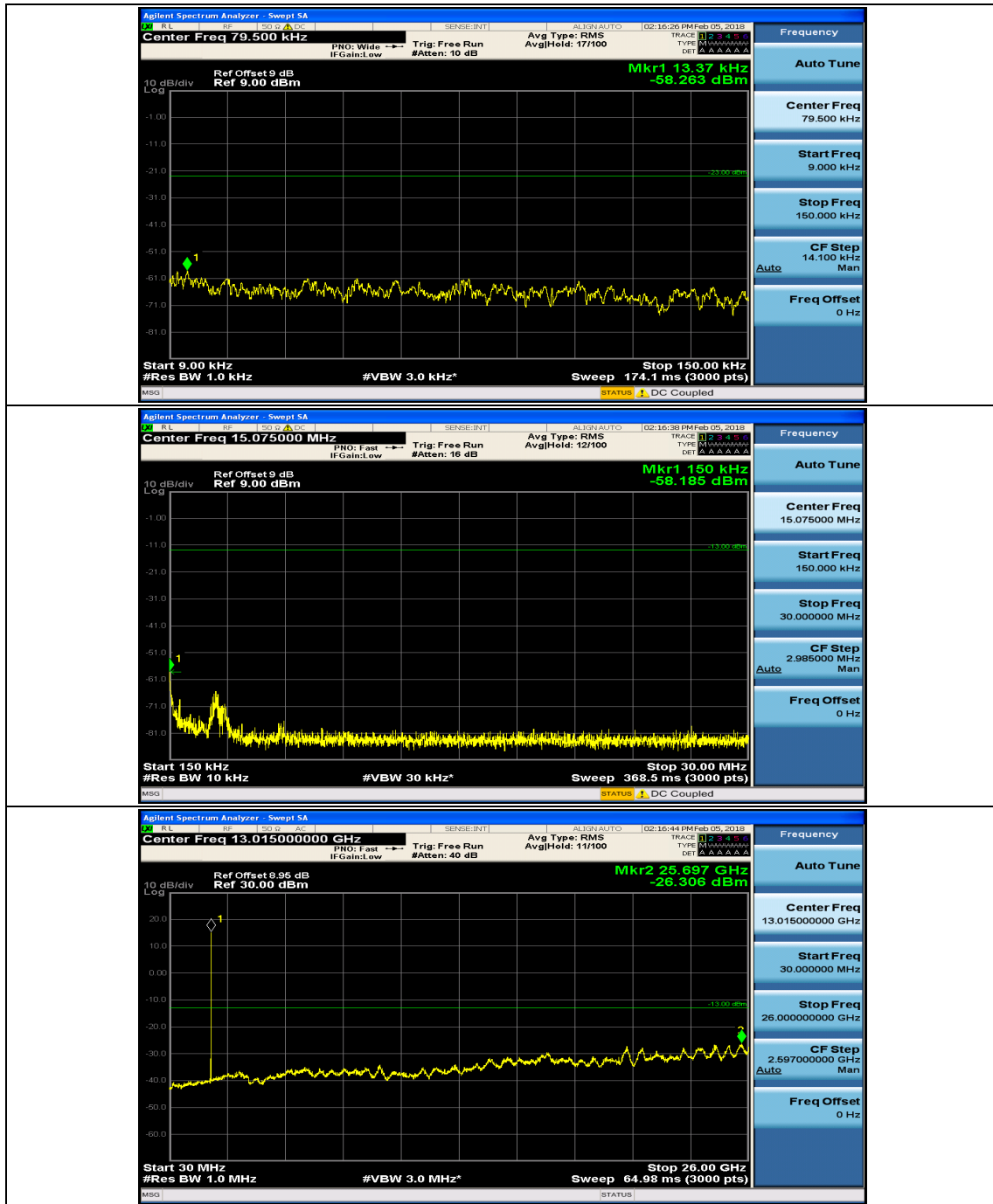


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

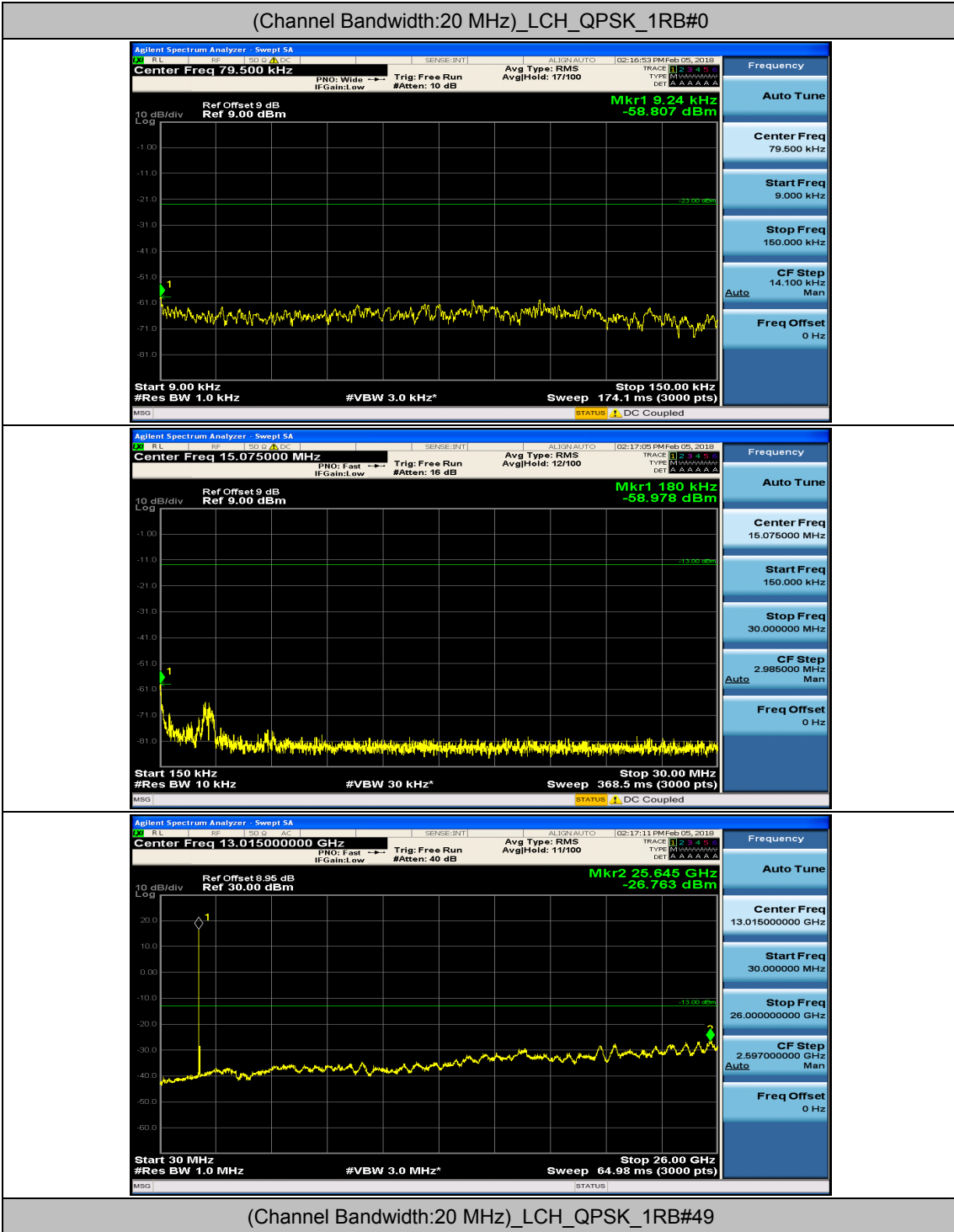


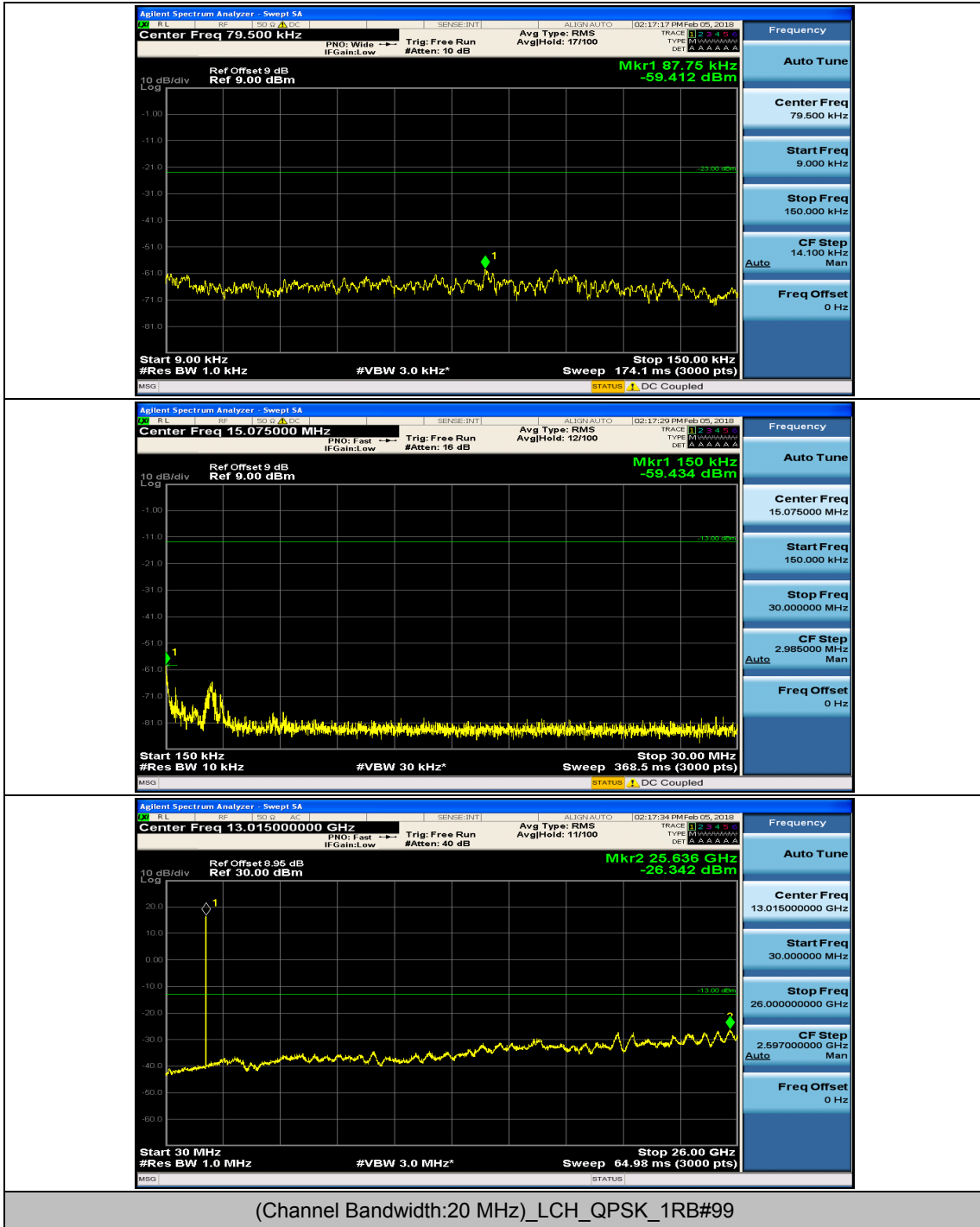
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

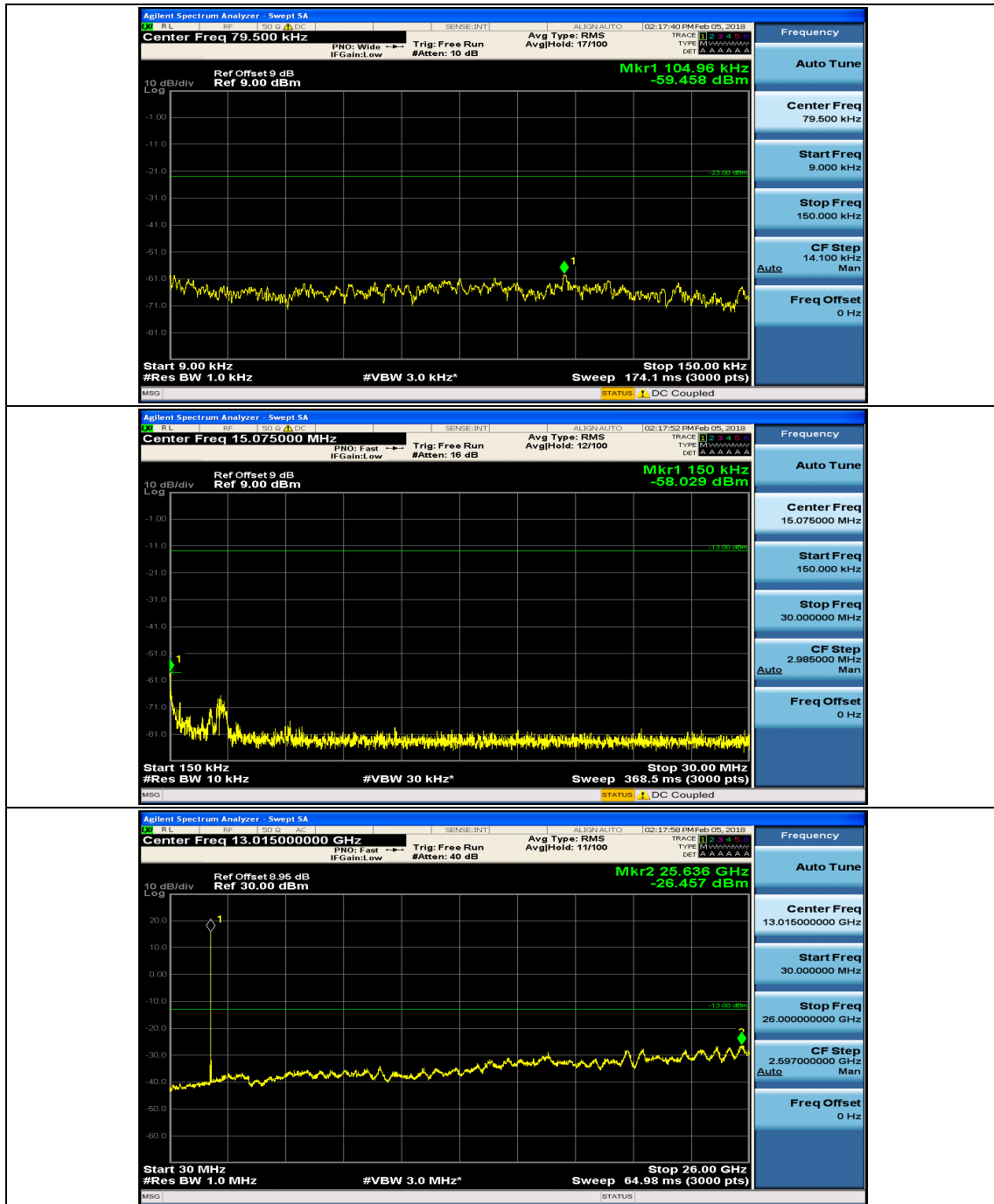




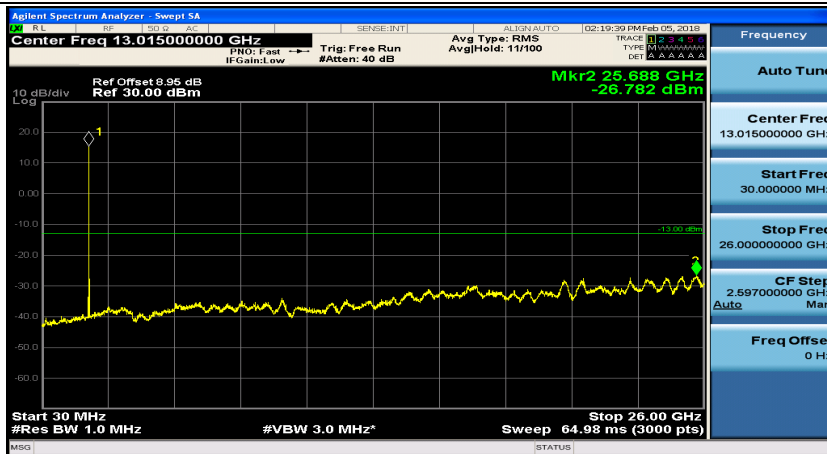
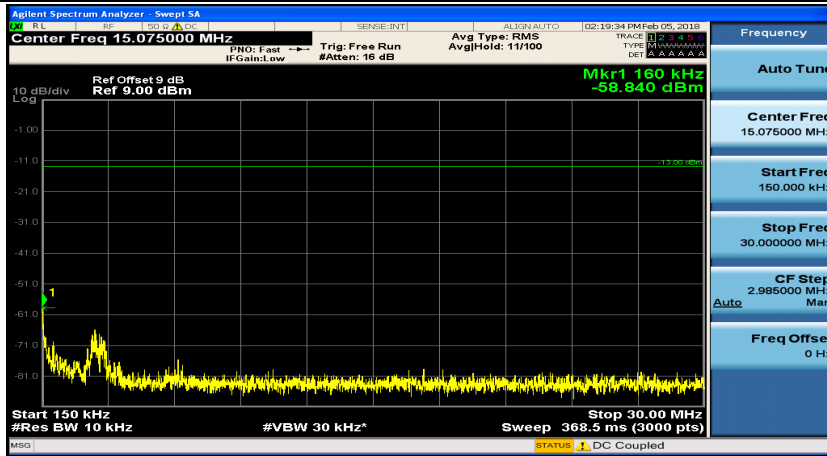
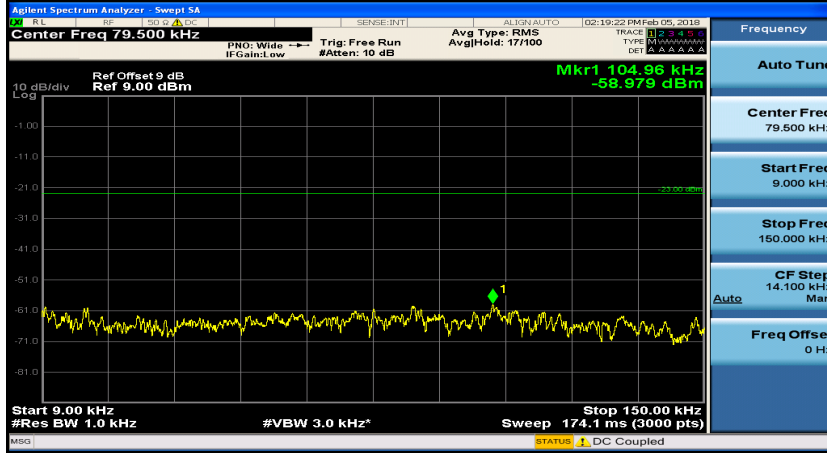
Channel Bandwidth: 20 MHz



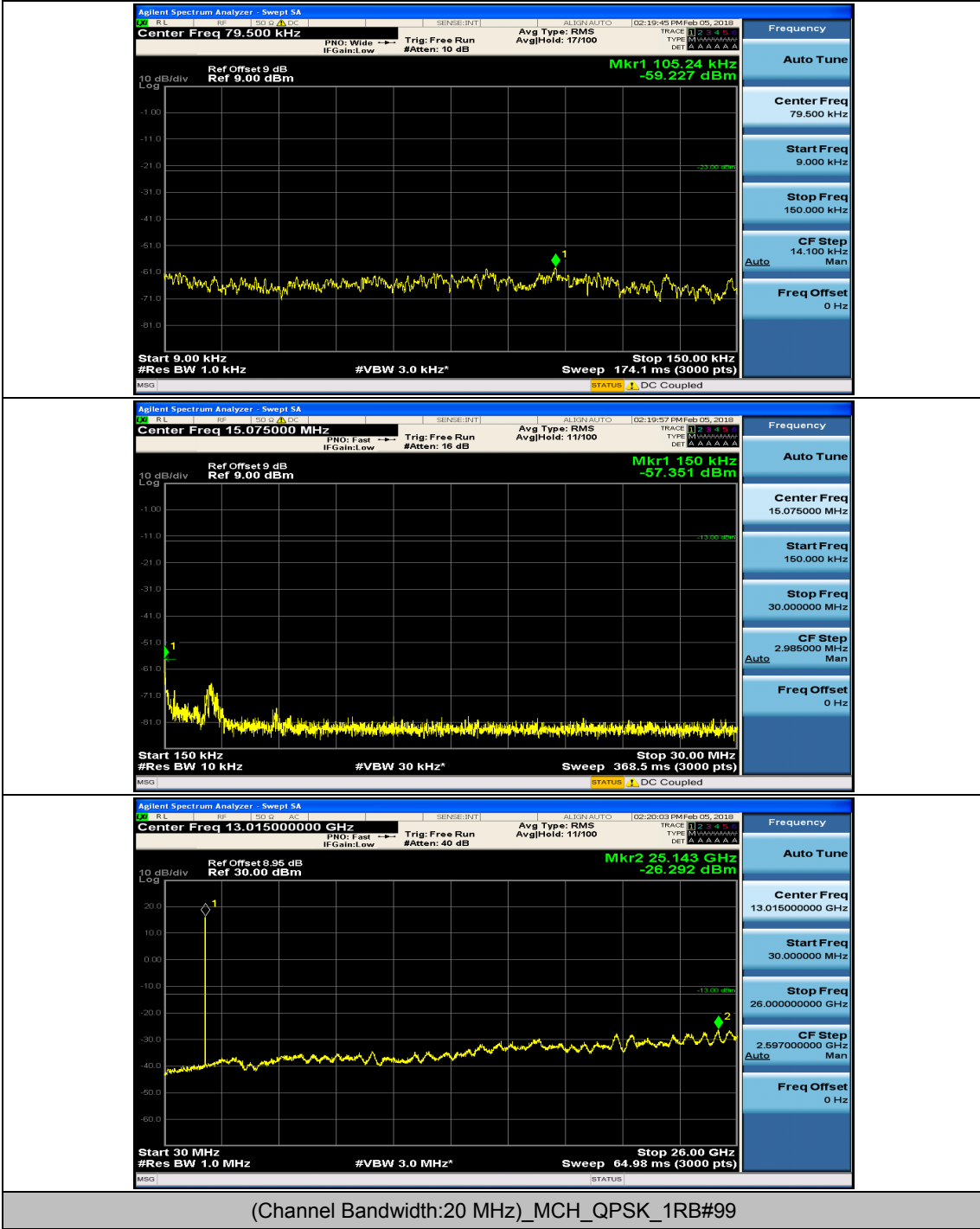


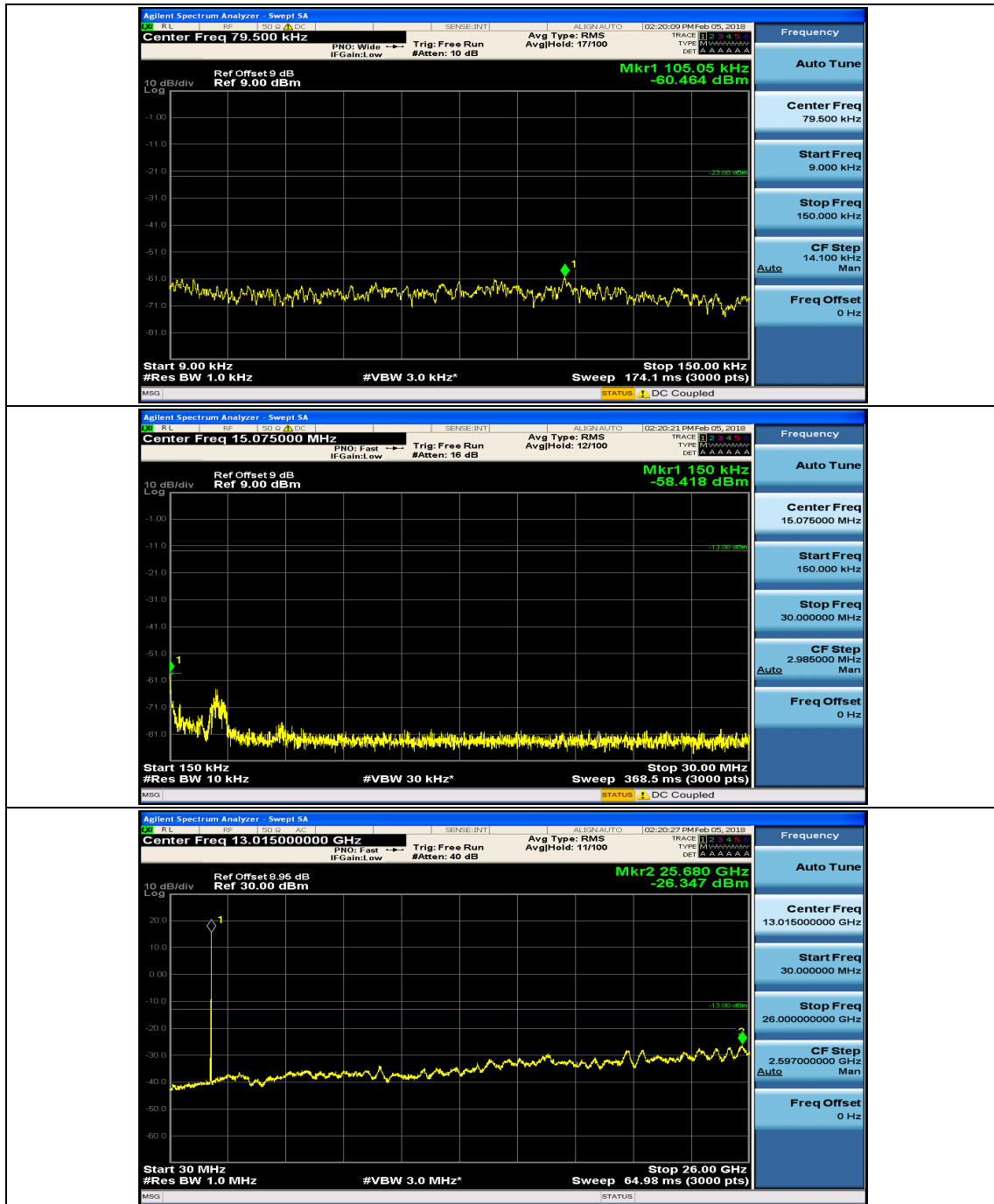


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

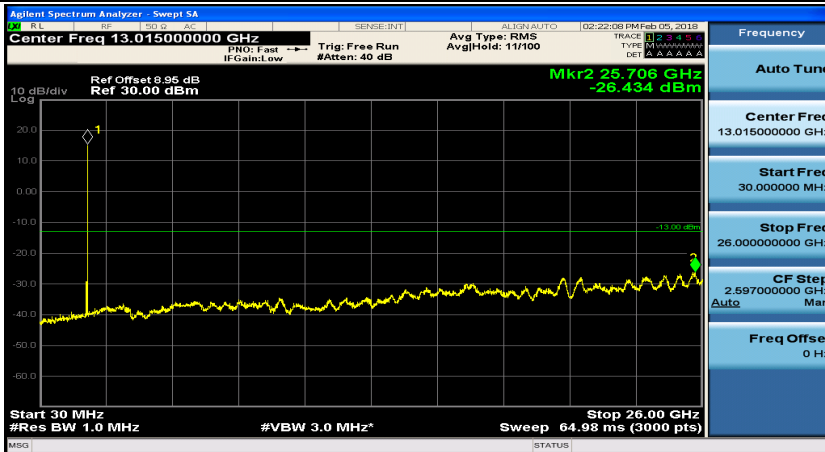
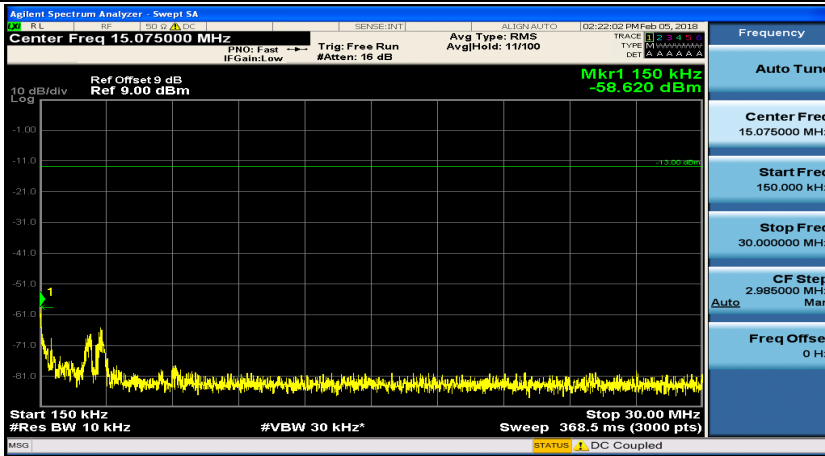
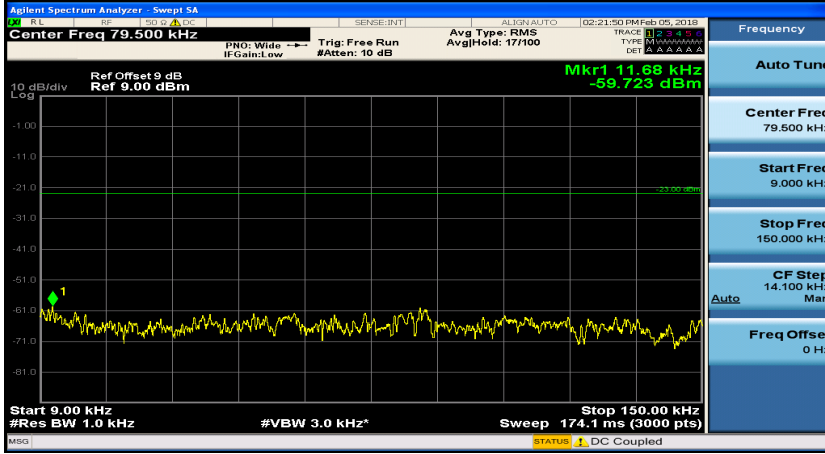


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

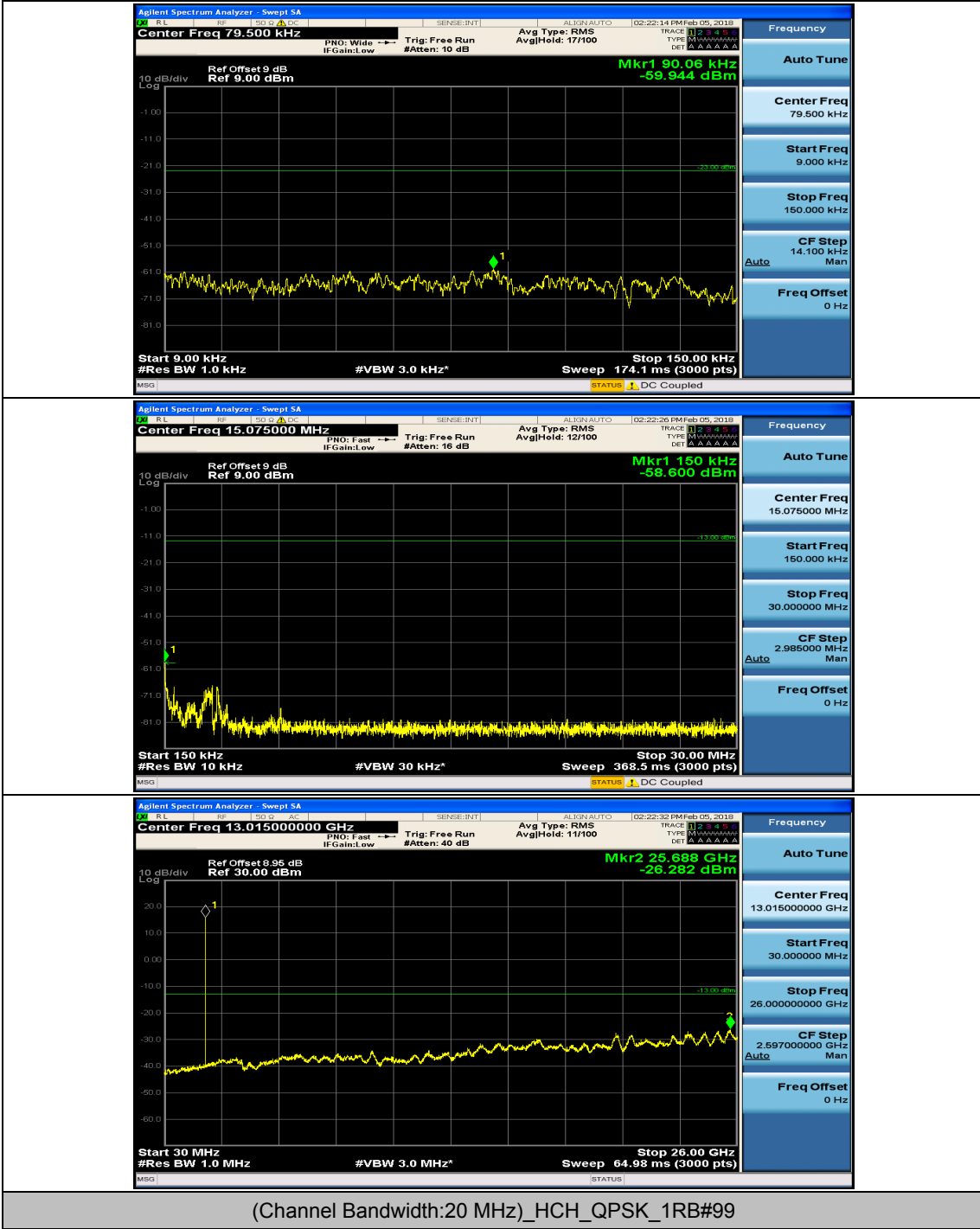


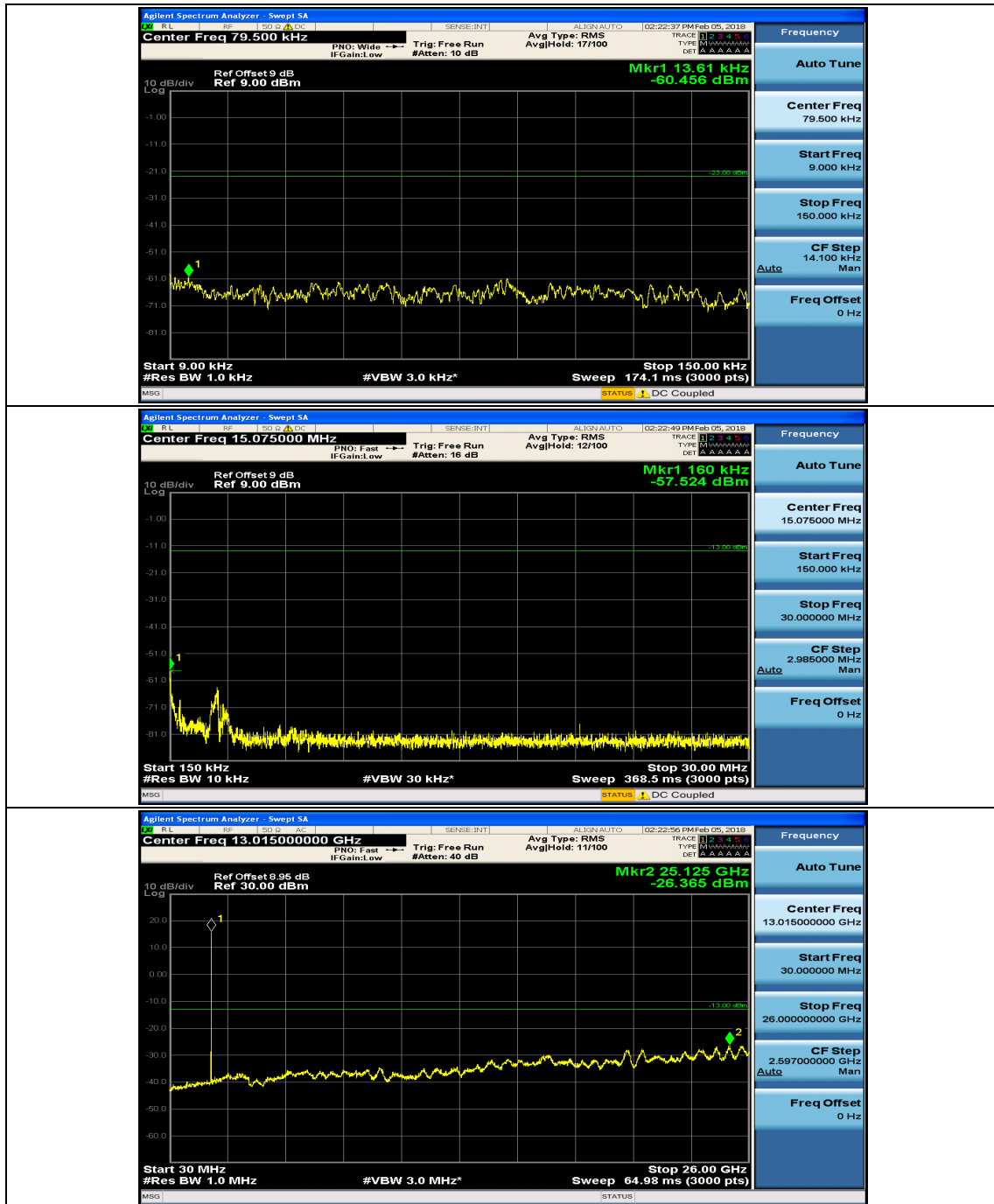


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

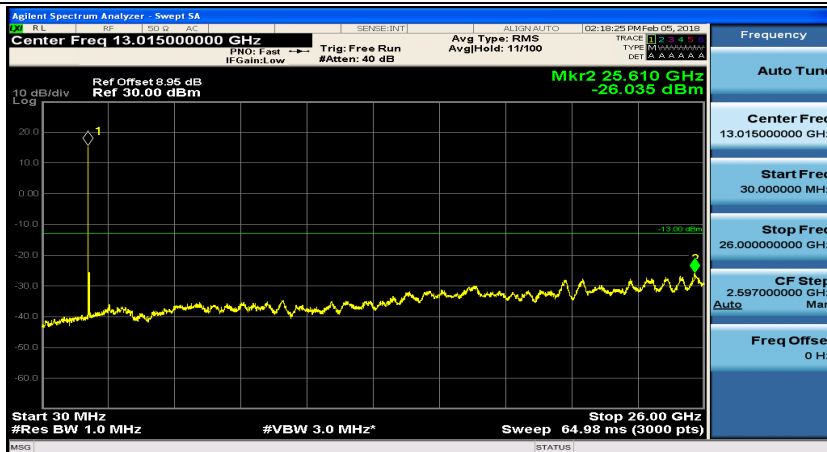
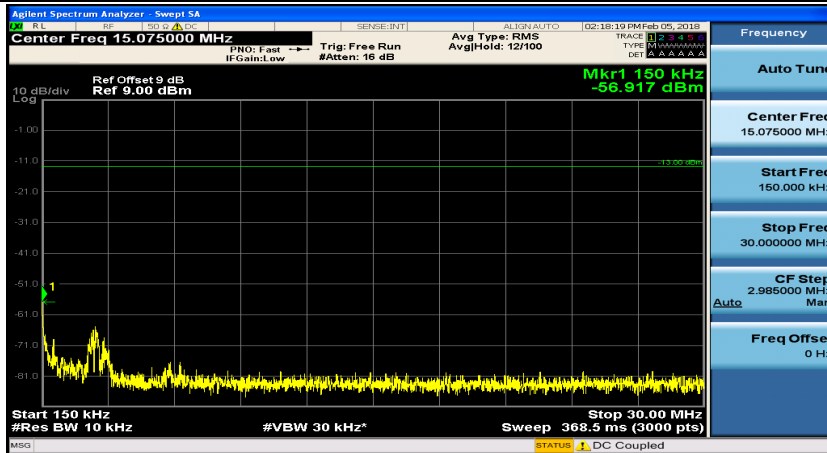
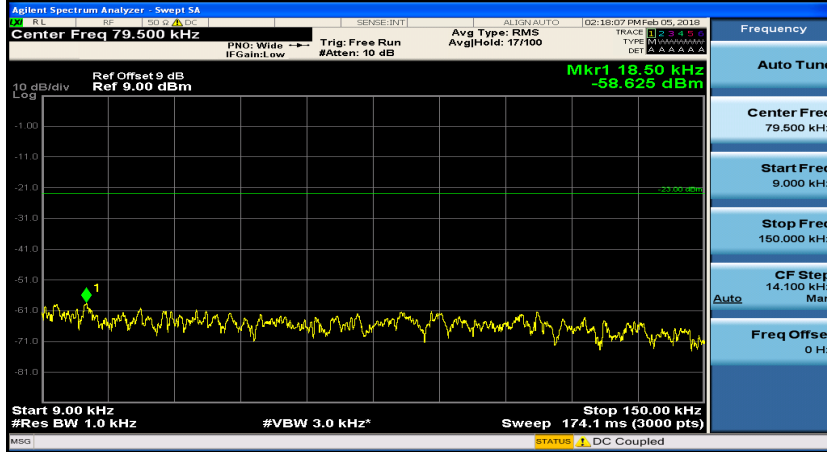


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

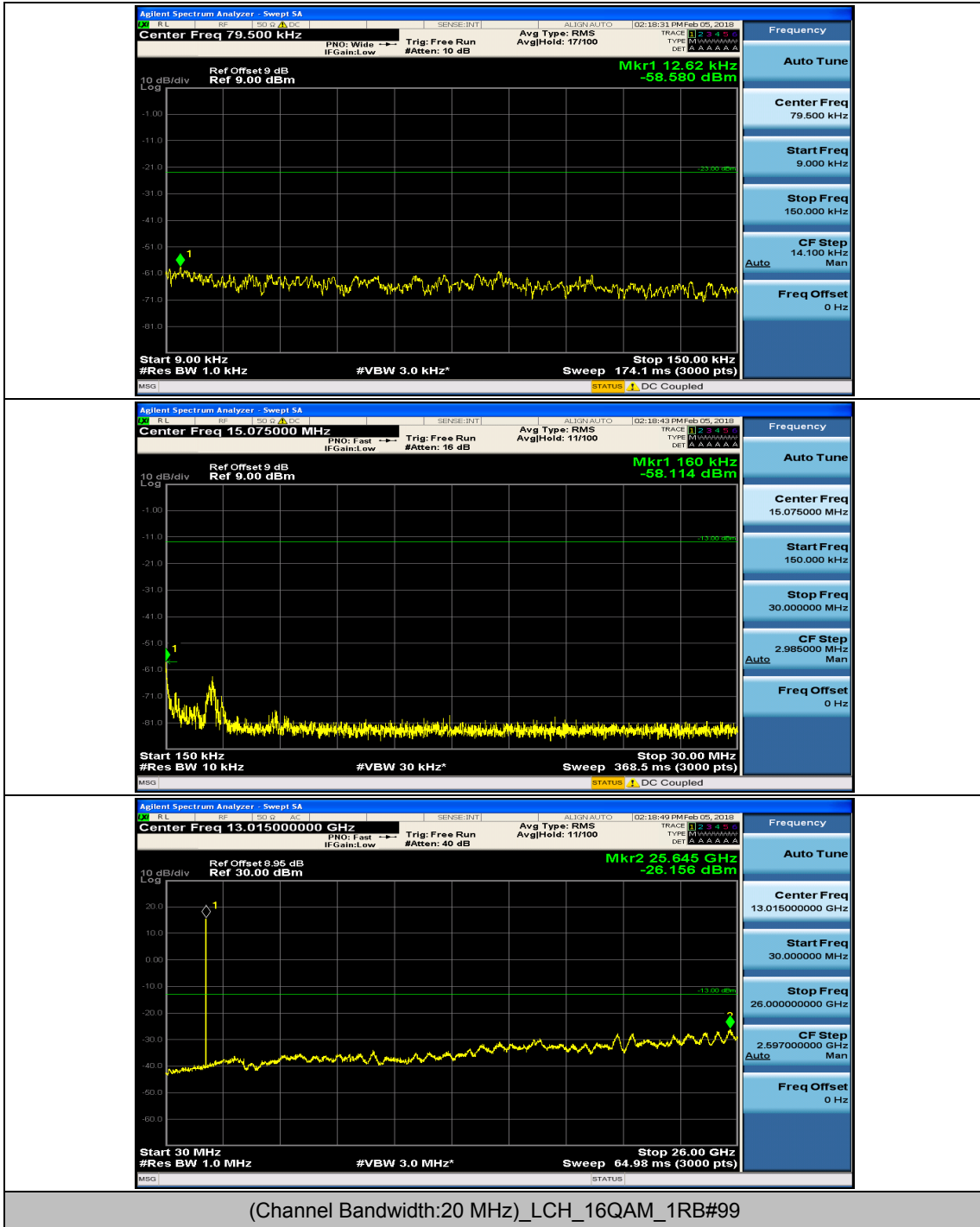


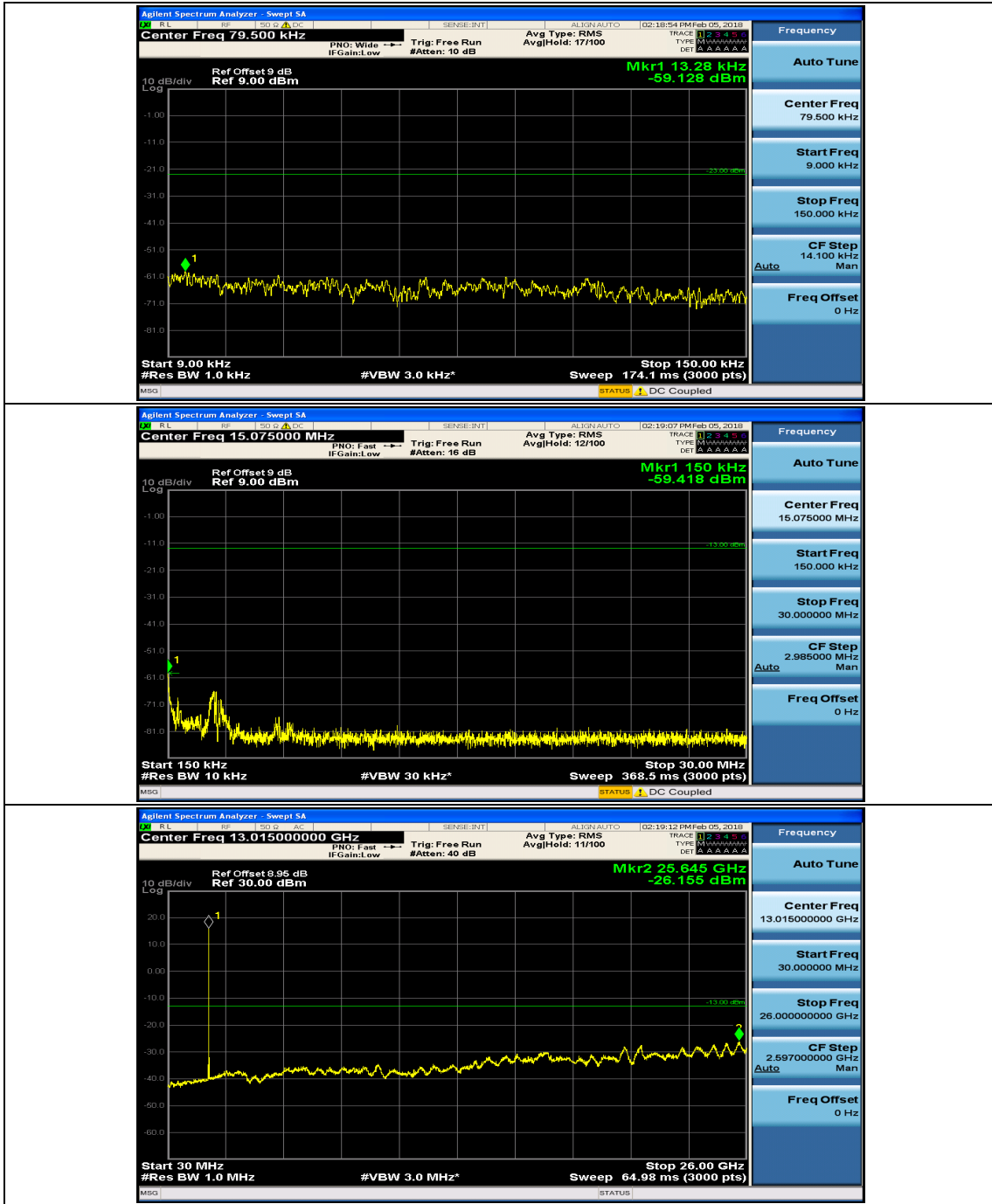


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

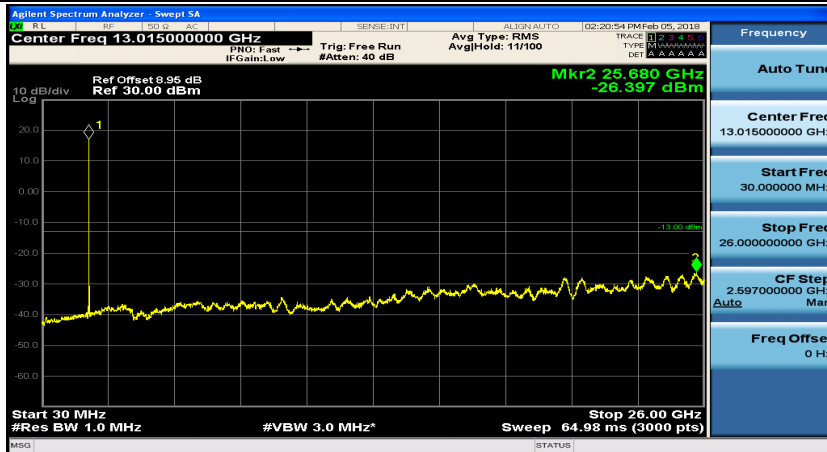
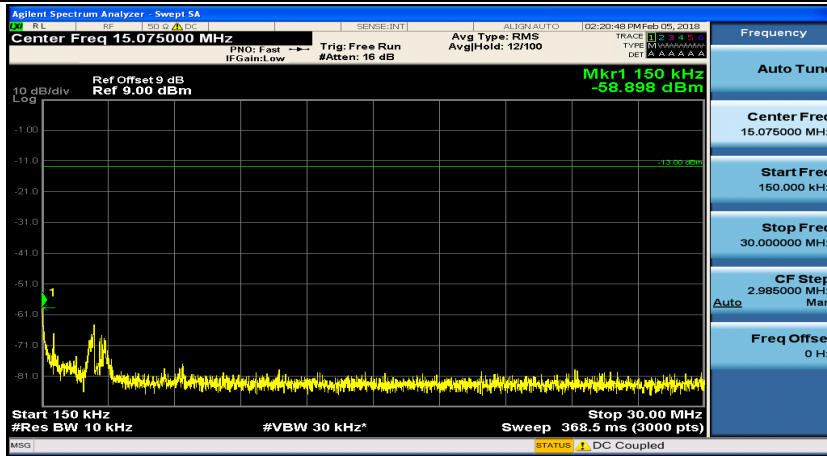
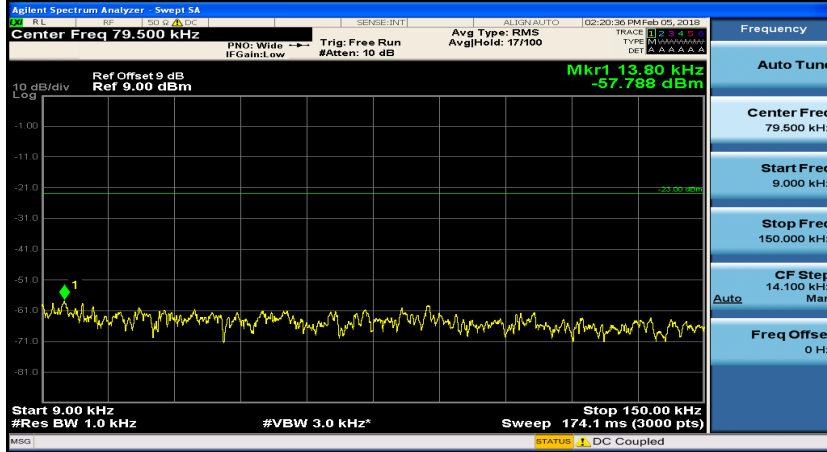


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

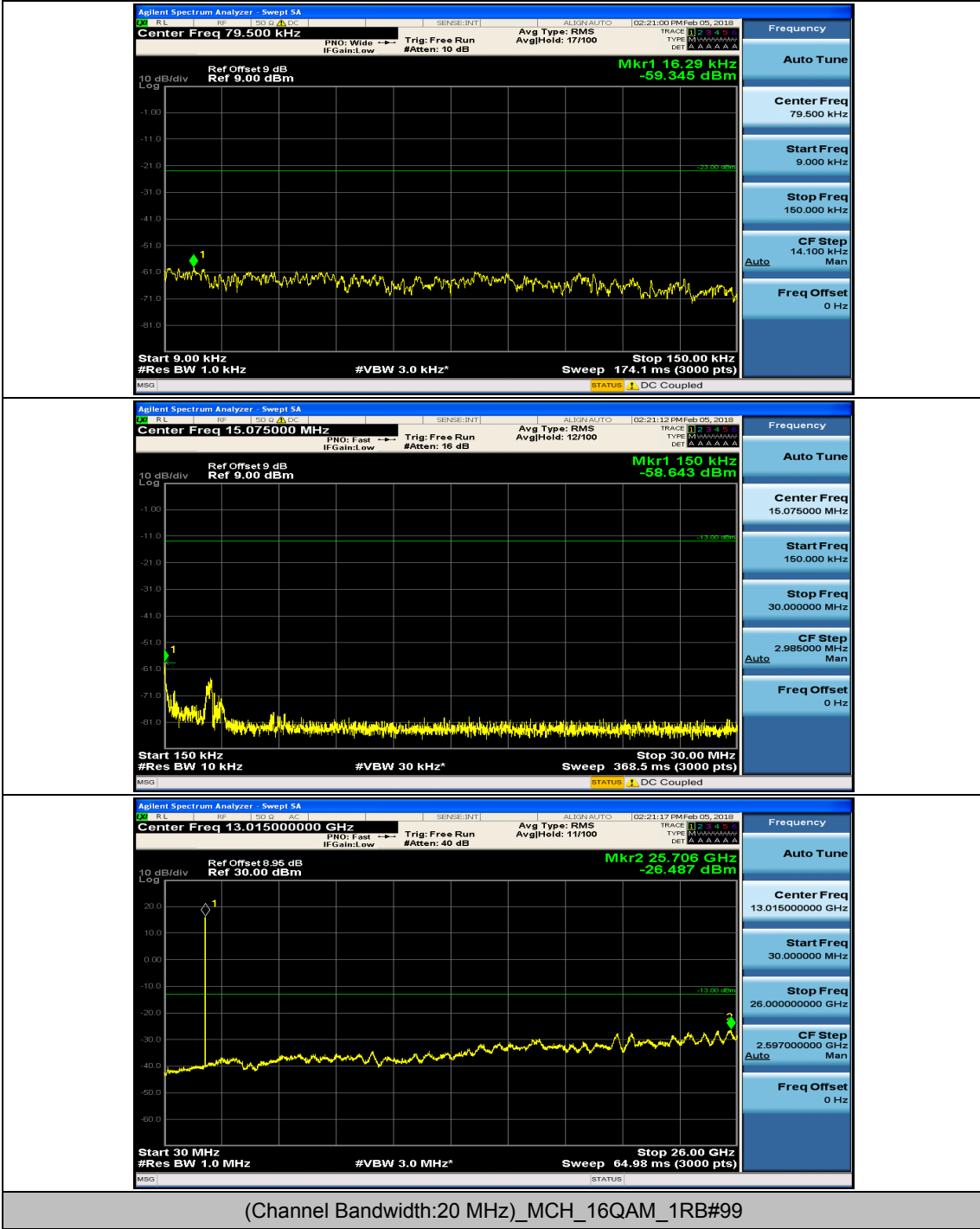


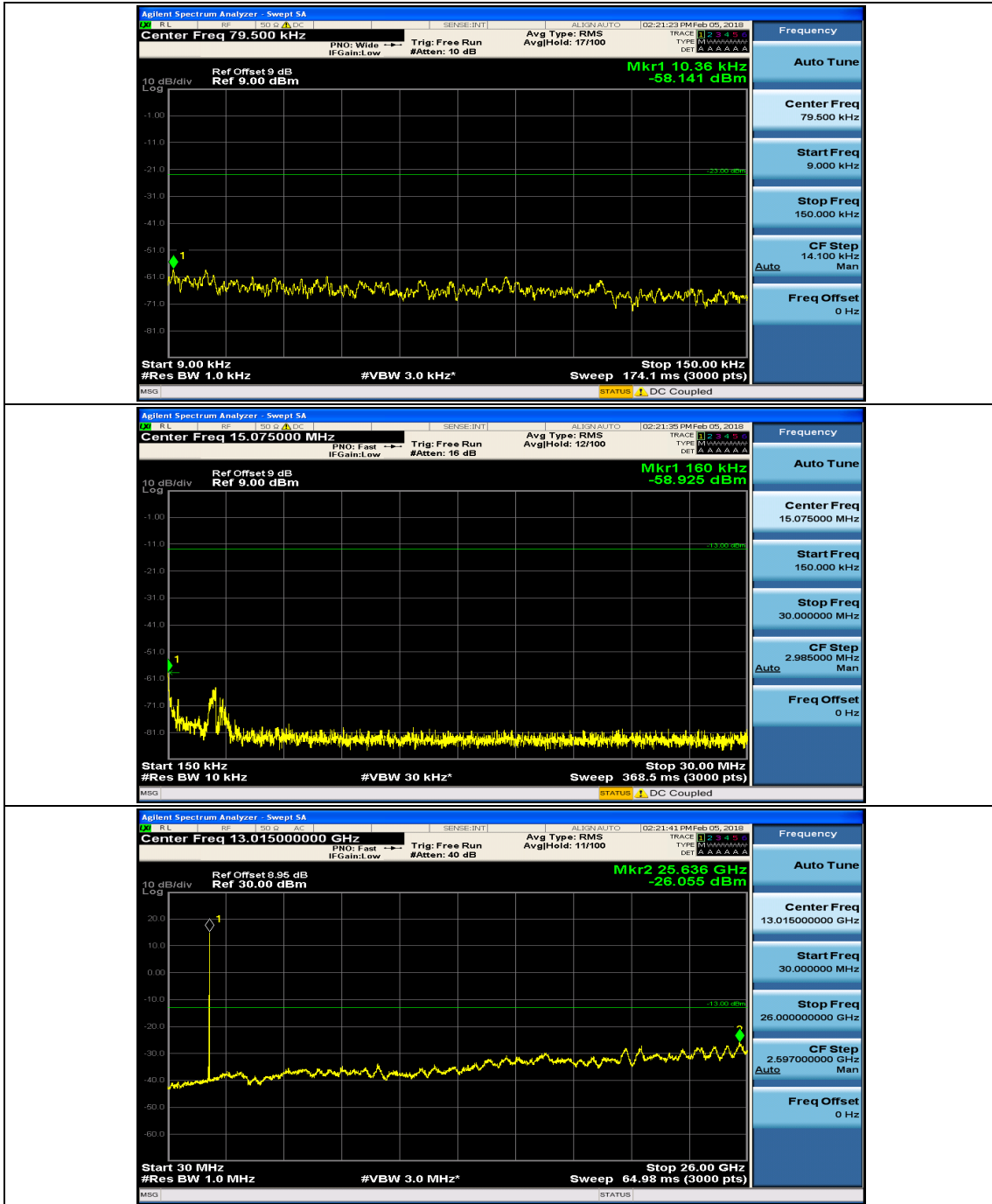


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

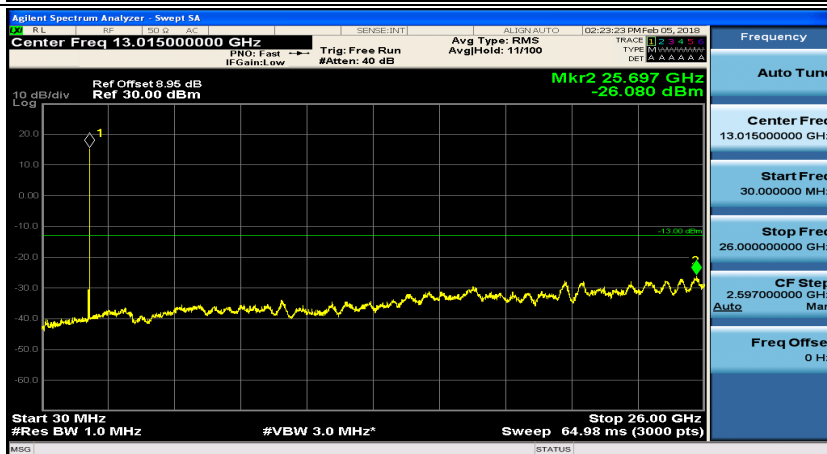
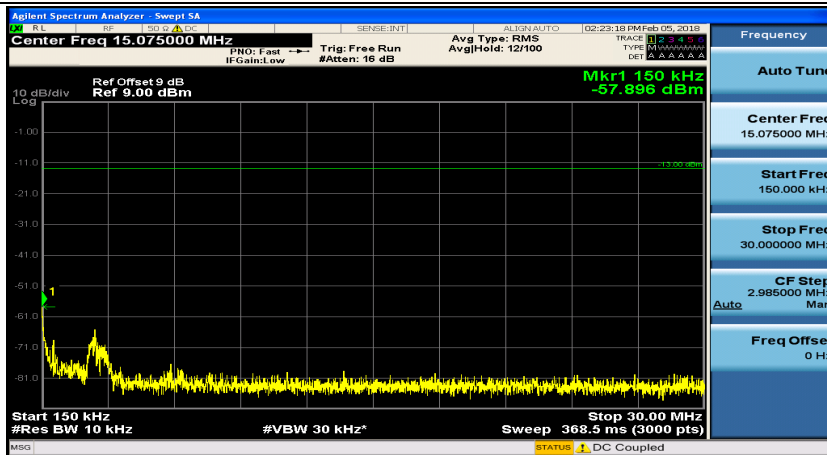
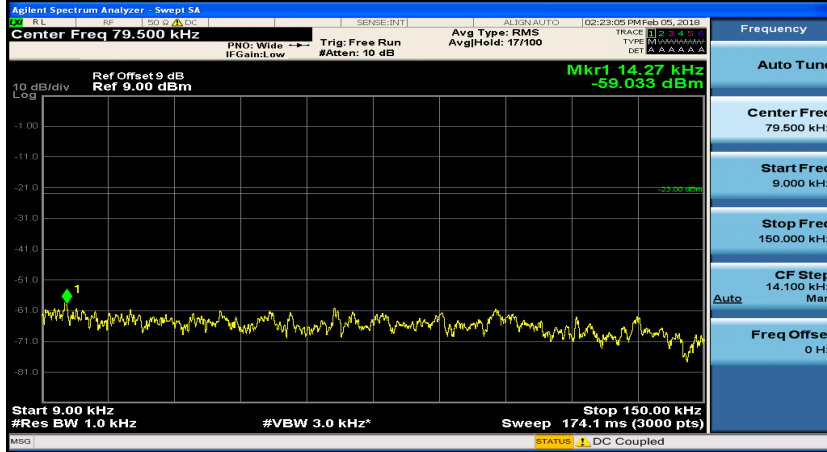


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

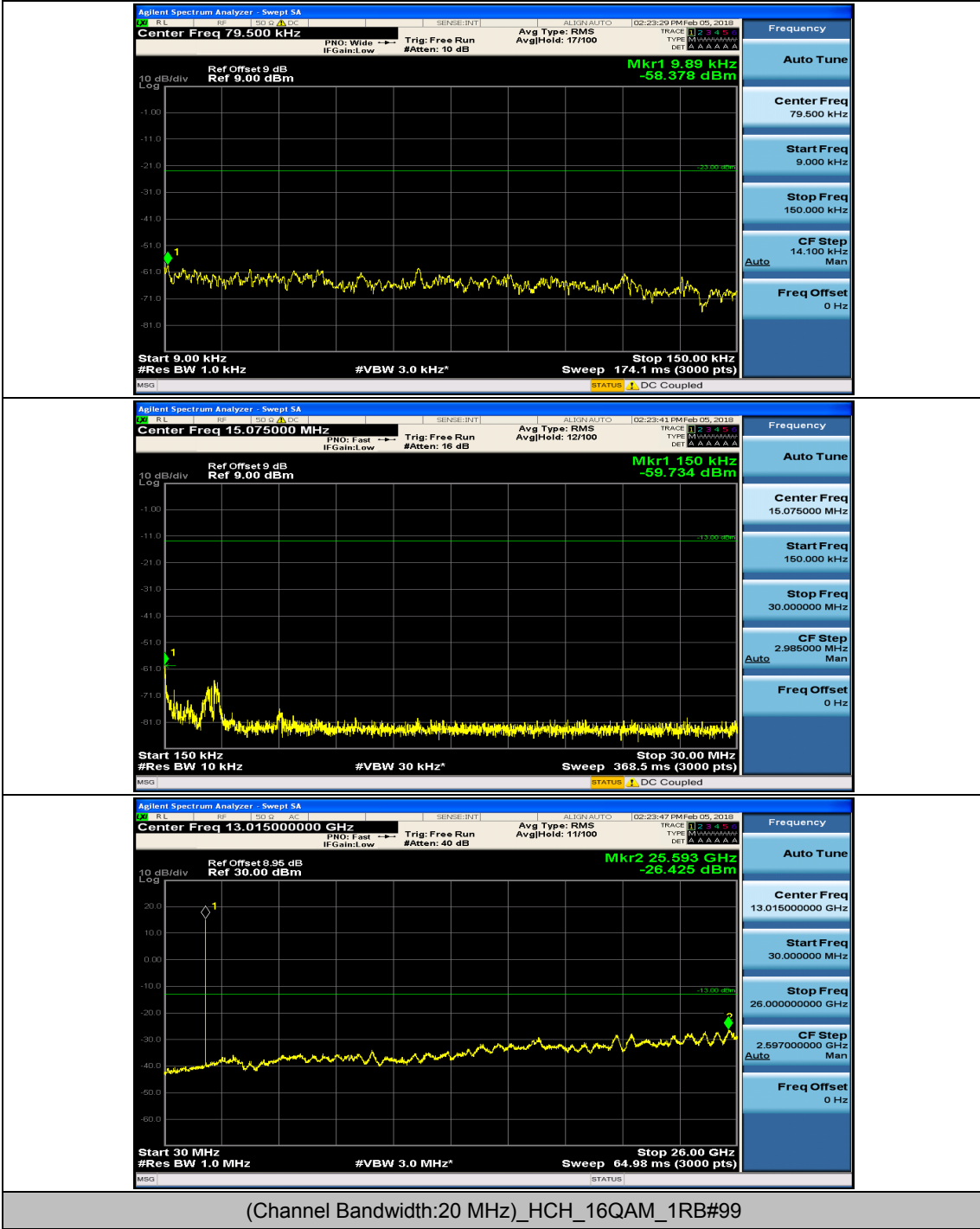


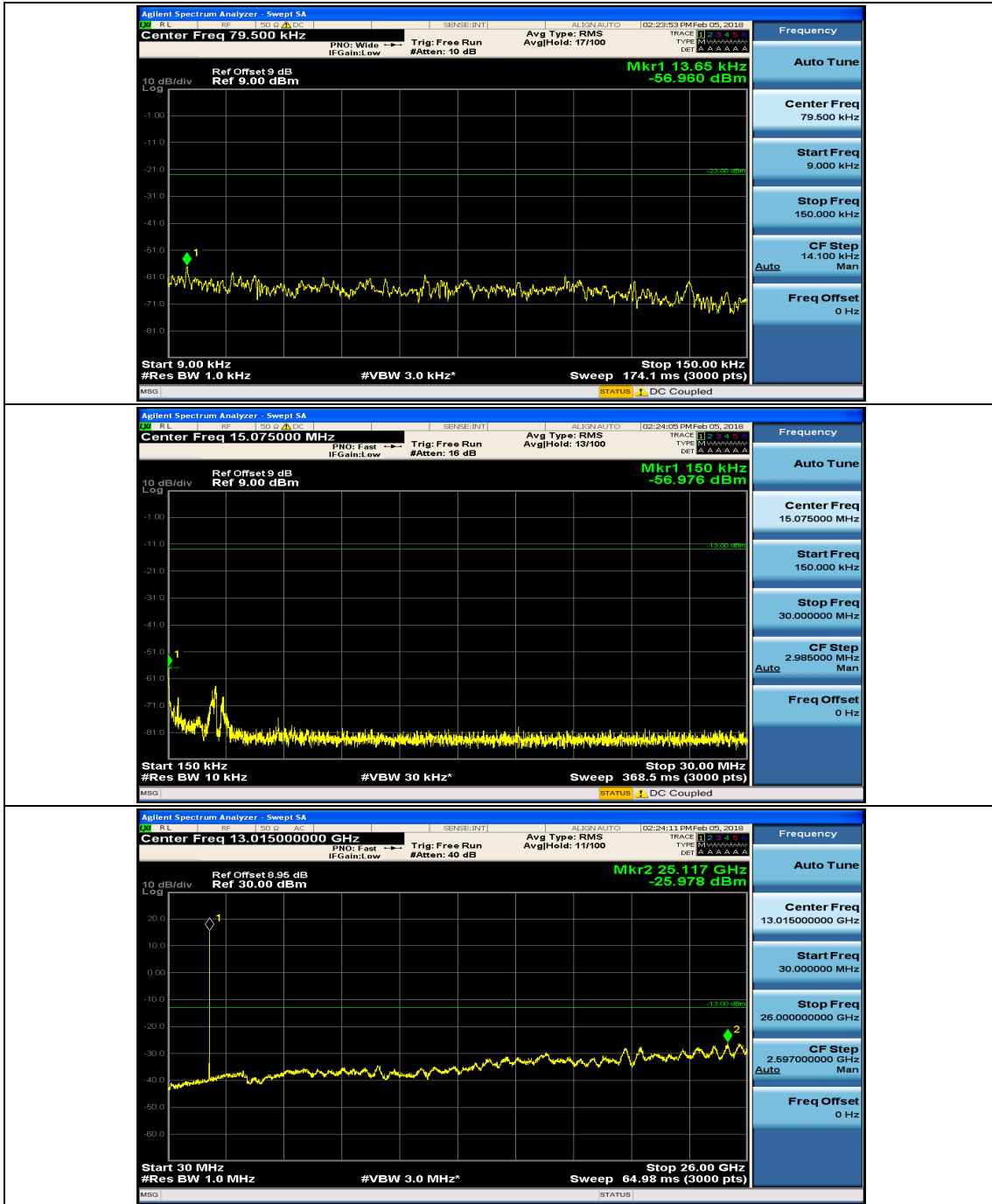


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	4.78	0.002583	± 2.5	PASS
		VN	TN	3.39	0.001832	± 2.5	PASS
		VH	TN	0.25	0.000135	± 2.5	PASS
	MCH	VL	TN	-0.48	-0.000255	± 2.5	PASS
		VN	TN	-1.77	-0.000941	± 2.5	PASS
		VH	TN	1.32	0.000702	± 2.5	PASS
	HCH	VL	TN	0.8	0.000419	± 2.5	PASS
		VN	TN	4.61	0.002414	± 2.5	PASS
		VH	TN	2.97	0.001556	± 2.5	PASS
16QAM	LCH	VL	TN	3.82	0.002064	± 2.5	PASS
		VN	TN	0.2	0.000108	± 2.5	PASS
		VH	TN	4.21	0.002275	± 2.5	PASS
	MCH	VL	TN	-0.29	-0.000154	± 2.5	PASS
		VN	TN	-1.23	-0.000654	± 2.5	PASS
		VH	TN	0.9	0.000479	± 2.5	PASS
	HCH	VL	TN	1.98	0.001037	± 2.5	PASS
		VN	TN	1.99	0.001042	± 2.5	PASS
		VH	TN	4.78	0.002583	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.67	-0.000902	± 2.5	PASS
		VN	-20	0.97	0.000524	± 2.5	PASS
		VN	-10	1.86	0.001005	± 2.5	PASS
		VN	0	-0.24	-0.000130	± 2.5	PASS
		VN	10	0.98	0.000530	± 2.5	PASS
		VN	20	1.27	0.000686	± 2.5	PASS
		VN	30	-1.28	-0.000692	± 2.5	PASS
		VN	40	4.57	0.002469	± 2.5	PASS
	MCH	VN	-30	-0.78	-0.000415	± 2.5	PASS
		VN	-20	-0.12	-0.000064	± 2.5	PASS

		VN	-10	4.54	0.002415	± 2.5	PASS	
		VN	0	-1.65	-0.000878	± 2.5	PASS	
		VN	10	0.47	0.000250	± 2.5	PASS	
		VN	20	4.37	0.002324	± 2.5	PASS	
		VN	30	2.62	0.001394	± 2.5	PASS	
		VN	40	4.27	0.002271	± 2.5	PASS	
		VN	50	4.26	0.002266	± 2.5	PASS	
	HCH	VN	-30	1.41	0.000738	± 2.5	PASS	
		VN	-20	1.19	0.000623	± 2.5	PASS	
		VN	-10	1.94	0.001016	± 2.5	PASS	
		VN	0	4.19	0.002195	± 2.5	PASS	
		VN	10	1.04	0.000545	± 2.5	PASS	
		VN	20	1.24	0.000649	± 2.5	PASS	
		VN	30	4.38	0.002294	± 2.5	PASS	
	16QAM	LCH	VN	40	-0.57	-0.000299	± 2.5	PASS
			VN	50	-0.35	-0.000183	± 2.5	PASS
			VN	-30	0.02	0.000011	± 2.5	PASS
			VN	-20	-0.05	-0.000027	± 2.5	PASS
VN			-10	-0.86	-0.000465	± 2.5	PASS	
VN			0	1.25	0.000675	± 2.5	PASS	
VN			10	1.14	0.000616	± 2.5	PASS	
VN			20	4.82	0.002604	± 2.5	PASS	
VN			30	-0.11	-0.000059	± 2.5	PASS	
MCH		VN	40	-1.78	-0.000962	± 2.5	PASS	
		VN	50	0.2	0.000108	± 2.5	PASS	
		VN	-30	1.82	0.000968	± 2.5	PASS	
		VN	-20	0.26	0.000138	± 2.5	PASS	
		VN	-10	-0.22	-0.000117	± 2.5	PASS	
		VN	0	4.37	0.002324	± 2.5	PASS	
		VN	10	-1.46	-0.000777	± 2.5	PASS	
		VN	20	0.27	0.000144	± 2.5	PASS	
		VN	30	-1.01	-0.000537	± 2.5	PASS	
HCH	VN	40	1.65	0.000878	± 2.5	PASS		
	VN	50	-1.67	-0.000888	± 2.5	PASS		
	VN	-30	1.42	0.000744	± 2.5	PASS		
	VN	-20	-0.92	-0.000482	± 2.5	PASS		
	VN	-10	4.76	0.002493	± 2.5	PASS		
	VN	0	0.3	0.000157	± 2.5	PASS		
	VN	10	3.88	0.002032	± 2.5	PASS		
VN	20	-1.86	-0.000974	± 2.5	PASS			
VN	30	4.3	0.002252	± 2.5	PASS			

		VN	40	0.09	0.000047	± 2.5	PASS
		VN	50	3.09	0.001618	± 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	-1.73	-0.000934	± 2.5	PASS
		VN	TN	2.28	0.001231	± 2.5	PASS
		VH	TN	0.31	0.000167	± 2.5	PASS
	MCH	VL	TN	3.05	0.001622	± 2.5	PASS
		VN	TN	-1.39	-0.000739	± 2.5	PASS
		VH	TN	1.63	0.000867	± 2.5	PASS
	HCH	VL	TN	0.66	0.000346	± 2.5	PASS
		VN	TN	-0.6	-0.000314	± 2.5	PASS
		VH	TN	2.44	0.001278	± 2.5	PASS
16QAM	LCH	VL	TN	-1.7	-0.000918	± 2.5	PASS
		VN	TN	0.99	0.000535	± 2.5	PASS
		VH	TN	-1.51	-0.000816	± 2.5	PASS
	MCH	VL	TN	-1.96	-0.001043	± 2.5	PASS
		VN	TN	4.52	0.002404	± 2.5	PASS
		VH	TN	3.3	0.001755	± 2.5	PASS
	HCH	VL	TN	0.85	0.000445	± 2.5	PASS
		VN	TN	3.52	0.001844	± 2.5	PASS
		VH	TN	1.69	0.000886	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.63	0.000880	± 2.5	PASS
		VN	-20	0.34	0.000184	± 2.5	PASS
		VN	-10	3.99	0.002155	± 2.5	PASS
		VN	0	0.61	0.000329	± 2.5	PASS
		VN	10	2.99	0.001615	± 2.5	PASS
		VN	20	4.55	0.002457	± 2.5	PASS
		VN	30	2.91	0.001572	± 2.5	PASS
		VN	40	-0.78	-0.000421	± 2.5	PASS
		VN	50	-1.41	-0.000762	± 2.5	PASS
	MCH	VN	-30	1.45	0.000771	± 2.5	PASS
		VN	-20	3.57	0.001899	± 2.5	PASS
		VN	-10	2.19	0.001165	± 2.5	PASS

		VN	0	2.35	0.001250	± 2.5	PASS		
		VN	10	4.21	0.002239	± 2.5	PASS		
		VN	20	-1.86	-0.000989	± 2.5	PASS		
		VN	30	3.05	0.001622	± 2.5	PASS		
		VN	40	1.79	0.000952	± 2.5	PASS		
		VN	50	4.71	0.002505	± 2.5	PASS		
	HCH	VN	-30	0.55	0.000288	± 2.5	PASS		
		VN	-20	-0.82	-0.000430	± 2.5	PASS		
		VN	-10	0.11	0.000058	± 2.5	PASS		
		VN	0	-0.5	-0.000262	± 2.5	PASS		
		VN	10	1.88	0.000985	± 2.5	PASS		
		VN	20	-0.47	-0.000246	± 2.5	PASS		
		VN	30	1.48	0.000775	± 2.5	PASS		
		VN	40	-0.77	-0.000403	± 2.5	PASS		
		VN	50	-0.79	-0.000414	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.85	0.000999	± 2.5	PASS
				VN	-20	0.92	0.000497	± 2.5	PASS
				VN	-10	1.13	0.000610	± 2.5	PASS
VN	0			3.29	0.001777	± 2.5	PASS		
VN	10			-0.36	-0.000194	± 2.5	PASS		
VN	20			1.87	0.001010	± 2.5	PASS		
VN	30			0.54	0.000292	± 2.5	PASS		
VN	40			-0.17	-0.000092	± 2.5	PASS		
VN	50			3.99	0.002155	± 2.5	PASS		
MCH	VN		-30	0.04	0.000021	± 2.5	PASS		
	VN		-20	0.78	0.000415	± 2.5	PASS		
	VN		-10	-0.95	-0.000505	± 2.5	PASS		
	VN		0	2.28	0.001213	± 2.5	PASS		
	VN		10	4.36	0.002319	± 2.5	PASS		
	VN		20	3.2	0.001702	± 2.5	PASS		
	VN		30	3.81	0.002027	± 2.5	PASS		
	VN		40	3.81	0.002027	± 2.5	PASS		
	VN		50	3.23	0.001718	± 2.5	PASS		
HCH	VN		-30	2.68	0.001404	± 2.5	PASS		
	VN		-20	1.87	0.000980	± 2.5	PASS		
	VN		-10	2.54	0.001331	± 2.5	PASS		
	VN		0	2.04	0.001069	± 2.5	PASS		
	VN		10	-1.64	-0.000859	± 2.5	PASS		
	VN		20	-0.82	-0.000430	± 2.5	PASS		
	VN		30	4.58	0.002400	± 2.5	PASS		
	VN		40	1.83	0.000959	± 2.5	PASS		

		VN	50	3.08	0.001614	± 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	0.95	0.000513	± 2.5	PASS
		VN	TN	2.04	0.001101	± 2.5	PASS
		VH	TN	-0.27	-0.000146	± 2.5	PASS
	MCH	VL	TN	1.29	0.000686	± 2.5	PASS
		VN	TN	1.96	0.001043	± 2.5	PASS
		VH	TN	1.73	0.000920	± 2.5	PASS
	HCH	VL	TN	3.43	0.001798	± 2.5	PASS
		VN	TN	0.42	0.000220	± 2.5	PASS
		VH	TN	0.26	0.000136	± 2.5	PASS
16QAM	LCH	VL	TN	3.85	0.002078	± 2.5	PASS
		VN	TN	1.71	0.000923	± 2.5	PASS
		VH	TN	0.04	0.000022	± 2.5	PASS
	MCH	VL	TN	0.85	0.000452	± 2.5	PASS
		VN	TN	0.06	0.000032	± 2.5	PASS
		VH	TN	-1.67	-0.000888	± 2.5	PASS
	HCH	VL	TN	-1.7	-0.000891	± 2.5	PASS
		VN	TN	0.88	0.000461	± 2.5	PASS
		VH	TN	0.9	0.000472	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.03	-0.000556	± 2.5	PASS
		VN	-20	-0.24	-0.000130	± 2.5	PASS
		VN	-10	-0.66	-0.000356	± 2.5	PASS
		VN	0	1.33	0.000718	± 2.5	PASS
		VN	10	3.62	0.001954	± 2.5	PASS
		VN	20	3.61	0.001949	± 2.5	PASS
		VN	30	-0.4	-0.000216	± 2.5	PASS
		VN	40	1.43	0.000772	± 2.5	PASS
		VN	50	3.23	0.001744	± 2.5	PASS
	MCH	VN	-30	0.66	0.000351	± 2.5	PASS
		VN	-20	1.72	0.000915	± 2.5	PASS
		VN	-10	4.8	0.002553	± 2.5	PASS
		VN	0	1.74	0.000926	± 2.5	PASS

		VN	10	0.65	0.000346	± 2.5	PASS
		VN	20	1.79	0.000952	± 2.5	PASS
		VN	30	3.31	0.001761	± 2.5	PASS
		VN	40	1.52	0.000809	± 2.5	PASS
		VN	50	-0.99	-0.000527	± 2.5	PASS
	HCH	VN	-30	2.68	0.001405	± 2.5	PASS
		VN	-20	0.19	0.000100	± 2.5	PASS
		VN	-10	-0.24	-0.000126	± 2.5	PASS
		VN	0	-0.99	-0.000519	± 2.5	PASS
		VN	10	-0.37	-0.000194	± 2.5	PASS
		VN	20	1.44	0.000755	± 2.5	PASS
		VN	30	-0.56	-0.000294	± 2.5	PASS
		VN	40	0.49	0.000257	± 2.5	PASS
		VN	50	1.67	0.000875	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.98	-0.000529
VN	-20			1.44	0.000777	± 2.5	PASS
VN	-10			4.04	0.002181	± 2.5	PASS
VN	0			4.31	0.002327	± 2.5	PASS
VN	10			1.34	0.000723	± 2.5	PASS
VN	20			4.08	0.002202	± 2.5	PASS
VN	30			0.45	0.000243	± 2.5	PASS
VN	40			4.46	0.002408	± 2.5	PASS
VN	50			-1.18	-0.000637	± 2.5	PASS
MCH	VN		-30	-1.57	-0.000835	± 2.5	PASS
	VN		-20	3.72	0.001979	± 2.5	PASS
	VN		-10	3.36	0.001787	± 2.5	PASS
	VN		0	1.81	0.000963	± 2.5	PASS
	VN		10	4.82	0.002564	± 2.5	PASS
	VN		20	2.11	0.001122	± 2.5	PASS
	VN		30	3.19	0.001697	± 2.5	PASS
	VN		40	0.39	0.000207	± 2.5	PASS
	VN		50	2.85	0.001516	± 2.5	PASS
HCH	VN		-30	-1.85	-0.000970	± 2.5	PASS
	VN		-20	3.21	0.001683	± 2.5	PASS
	VN		-10	1.63	0.000855	± 2.5	PASS
	VN		0	1.38	0.000723	± 2.5	PASS
	VN		10	0.44	0.000231	± 2.5	PASS
	VN		20	-1.01	-0.000529	± 2.5	PASS
	VN		30	1.87	0.000980	± 2.5	PASS
	VN		40	3.1	0.001625	± 2.5	PASS
	VN		50	-0.86	-0.000451	± 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	2.74	0.001477	± 2.5	PASS
		VN	TN	3.91	0.002108	± 2.5	PASS
		VH	TN	-1.05	-0.000566	± 2.5	PASS
	MCH	VL	TN	0.9	0.000479	± 2.5	PASS
		VN	TN	4.49	0.002388	± 2.5	PASS
		VH	TN	-0.07	-0.000037	± 2.5	PASS
	HCH	VL	TN	1.26	0.000661	± 2.5	PASS
		VN	TN	-0.79	-0.000415	± 2.5	PASS
		VH	TN	3.52	0.001848	± 2.5	PASS
16QAM	LCH	VL	TN	-1.89	-0.001019	± 2.5	PASS
		VN	TN	0.19	0.000102	± 2.5	PASS
		VH	TN	0.45	0.000243	± 2.5	PASS
	MCH	VL	TN	2.26	0.001202	± 2.5	PASS
		VN	TN	1.83	0.000973	± 2.5	PASS
		VH	TN	2.55	0.001356	± 2.5	PASS
	HCH	VL	TN	-1.37	-0.000719	± 2.5	PASS
		VN	TN	2.59	0.001360	± 2.5	PASS
		VH	TN	2.8	0.001470	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.75	0.001482	± 2.5	PASS
		VN	-20	-1.9	-0.001024	± 2.5	PASS
		VN	-10	3.99	0.002151	± 2.5	PASS
		VN	0	4.31	0.002323	± 2.5	PASS
		VN	10	3.06	0.001650	± 2.5	PASS
		VN	20	-1	-0.000539	± 2.5	PASS
		VN	30	0.88	0.000474	± 2.5	PASS
		VN	40	-0.82	-0.000442	± 2.5	PASS
		VN	50	4.06	0.002189	± 2.5	PASS
	MCH	VN	-30	2.5	0.001330	± 2.5	PASS
		VN	-20	1.5	0.000798	± 2.5	PASS
		VN	-10	2.24	0.001191	± 2.5	PASS
		VN	0	4.19	0.002229	± 2.5	PASS
		VN	10	4.42	0.002351	± 2.5	PASS
		VN	20	3.78	0.002011	± 2.5	PASS

		VN	30	0.34	0.000181	± 2.5	PASS
		VN	40	3.79	0.002016	± 2.5	PASS
		VN	50	3.48	0.001851	± 2.5	PASS
	HCH	VN	-30	-1.92	-0.001008	± 2.5	PASS
		VN	-20	2.5	0.001312	± 2.5	PASS
		VN	-10	1.61	0.000845	± 2.5	PASS
		VN	0	2.27	0.001192	± 2.5	PASS
		VN	10	3.12	0.001638	± 2.5	PASS
		VN	20	1.19	0.000625	± 2.5	PASS
		VN	30	2.69	0.001412	± 2.5	PASS
		VN	40	-1.9	-0.000997	± 2.5	PASS
		VN	50	0.28	0.000147	± 2.5	PASS
QPSK	LCH	VN	-30	4.6	0.002480	± 2.5	PASS
		VN	-20	0.4	0.000216	± 2.5	PASS
		VN	-10	1.75	0.000943	± 2.5	PASS
		VN	0	-1.76	-0.000949	± 2.5	PASS
		VN	10	-1.14	-0.000615	± 2.5	PASS
		VN	20	4.97	0.002679	± 2.5	PASS
		VN	30	4.17	0.002248	± 2.5	PASS
		VN	40	1.75	0.000943	± 2.5	PASS
		VN	50	1.24	0.000668	± 2.5	PASS
	MCH	VN	-30	-0.79	-0.000420	± 2.5	PASS
		VN	-20	-1.82	-0.000968	± 2.5	PASS
		VN	-10	0.13	0.000069	± 2.5	PASS
		VN	0	0.71	0.000378	± 2.5	PASS
		VN	10	4.4	0.002340	± 2.5	PASS
		VN	20	-0.98	-0.000521	± 2.5	PASS
		VN	30	0.98	0.000521	± 2.5	PASS
		VN	40	2.94	0.001564	± 2.5	PASS
		VN	50	4.66	0.002479	± 2.5	PASS
	HCH	VN	-30	-1.98	-0.001039	± 2.5	PASS
		VN	-20	1.33	0.000698	± 2.5	PASS
		VN	-10	0.69	0.000362	± 2.5	PASS
		VN	0	-1.53	-0.000803	± 2.5	PASS
		VN	10	-1.24	-0.000651	± 2.5	PASS
		VN	20	4.66	0.002446	± 2.5	PASS
		VN	30	0.87	0.000457	± 2.5	PASS
		VN	40	3.27	0.001717	± 2.5	PASS
		VN	50	4.89	0.002567	± 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	4.06	0.002186	± 2.5	PASS
		VN	TN	-1.61	-0.000867	± 2.5	PASS
		VH	TN	2.82	0.001518	± 2.5	PASS
	MCH	VL	TN	0.99	0.000527	± 2.5	PASS
		VN	TN	4.65	0.002473	± 2.5	PASS
		VH	TN	0.34	0.000181	± 2.5	PASS
	HCH	VL	TN	1.08	0.000568	± 2.5	PASS
		VN	TN	3.62	0.001903	± 2.5	PASS
		VH	TN	2.39	0.001256	± 2.5	PASS
16QAM	LCH	VL	TN	-1.47	-0.000791	± 2.5	PASS
		VN	TN	2.08	0.001120	± 2.5	PASS
		VH	TN	-1.55	-0.000834	± 2.5	PASS
	MCH	VL	TN	3.69	0.001963	± 2.5	PASS
		VN	TN	1.76	0.000936	± 2.5	PASS
		VH	TN	3.82	0.002032	± 2.5	PASS
	HCH	VL	TN	4.67	0.002455	± 2.5	PASS
		VN	TN	-1.91	-0.001004	± 2.5	PASS
		VH	TN	3.7	0.001945	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.92	-0.001034	± 2.5	PASS
		VN	-20	1.84	0.000991	± 2.5	PASS
		VN	-10	-1.17	-0.000630	± 2.5	PASS
		VN	0	2.17	0.001168	± 2.5	PASS
		VN	10	3.31	0.001782	± 2.5	PASS
		VN	20	1.3	0.000700	± 2.5	PASS
		VN	30	3.5	0.001884	± 2.5	PASS
		VN	40	-1.99	-0.001071	± 2.5	PASS
		VN	50	4.59	0.002471	± 2.5	PASS
	MCH	VN	-30	3.51	0.001867	± 2.5	PASS
		VN	-20	0.83	0.000441	± 2.5	PASS
		VN	-10	1.14	0.000606	± 2.5	PASS
		VN	0	3.77	0.002005	± 2.5	PASS
		VN	10	2.41	0.001282	± 2.5	PASS
		VN	20	-0.55	-0.000293	± 2.5	PASS

		VN	30	4.37	0.002324	± 2.5	PASS
		VN	40	4.62	0.002457	± 2.5	PASS
		VN	50	1.71	0.000910	± 2.5	PASS
	HCH	VN	-30	-0.93	-0.000489	± 2.5	PASS
		VN	-20	3.96	0.002081	± 2.5	PASS
		VN	-10	2.14	0.001125	± 2.5	PASS
		VN	0	4.86	0.002555	± 2.5	PASS
		VN	10	3.26	0.001714	± 2.5	PASS
		VN	20	3.99	0.002097	± 2.5	PASS
		VN	30	-0.61	-0.000321	± 2.5	PASS
		VN	40	-1.64	-0.000862	± 2.5	PASS
		VN	50	-0.09	-0.000047	± 2.5	PASS
16QAM	LCH	VN	-30	3.12	0.001680	± 2.5	PASS
		VN	-20	3.44	0.001852	± 2.5	PASS
		VN	-10	2.81	0.001513	± 2.5	PASS
		VN	0	3.65	0.001965	± 2.5	PASS
		VN	10	-1.68	-0.000904	± 2.5	PASS
		VN	20	0.05	0.000027	± 2.5	PASS
		VN	30	3.46	0.001863	± 2.5	PASS
		VN	40	-1.51	-0.000813	± 2.5	PASS
		VN	50	3	0.001615	± 2.5	PASS
	MCH	VN	-30	0.66	0.000351	± 2.5	PASS
		VN	-20	1.91	0.001016	± 2.5	PASS
		VN	-10	4.24	0.002255	± 2.5	PASS
		VN	0	-1.84	-0.000979	± 2.5	PASS
		VN	10	-0.71	-0.000378	± 2.5	PASS
		VN	20	-1.6	-0.000851	± 2.5	PASS
		VN	30	0.62	0.000330	± 2.5	PASS
		VN	40	-0.5	-0.000266	± 2.5	PASS
		VN	50	-1.34	-0.000713	± 2.5	PASS
	HCH	VN	-30	4.68	0.002460	± 2.5	PASS
		VN	-20	1.15	0.000604	± 2.5	PASS
		VN	-10	0.84	0.000442	± 2.5	PASS
		VN	0	2.67	0.001403	± 2.5	PASS
		VN	10	2.62	0.001377	± 2.5	PASS
		VN	20	3.44	0.001808	± 2.5	PASS
		VN	30	3.35	0.001761	± 2.5	PASS
		VN	40	-0.25	-0.000131	± 2.5	PASS
		VN	50	-0.91	-0.000478	± 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	3.31	0.001780	± 2.5	PASS
		VN	TN	-0.2	-0.000108	± 2.5	PASS
		VH	TN	0.66	0.000355	± 2.5	PASS
	MCH	VL	TN	1.04	0.000553	± 2.5	PASS
		VN	TN	-2	-0.001064	± 2.5	PASS
		VH	TN	1.96	0.001043	± 2.5	PASS
	HCH	VL	TN	2	0.001053	± 2.5	PASS
		VN	TN	2.61	0.001374	± 2.5	PASS
		VH	TN	0.24	0.000126	± 2.5	PASS
16QAM	LCH	VL	TN	1.73	0.000930	± 2.5	PASS
		VN	TN	-1.37	-0.000737	± 2.5	PASS
		VH	TN	1.11	0.000597	± 2.5	PASS
	MCH	VL	TN	3.38	0.001798	± 2.5	PASS
		VN	TN	2.44	0.001298	± 2.5	PASS
		VH	TN	-1.55	-0.000824	± 2.5	PASS
	HCH	VL	TN	-0.5	-0.000263	± 2.5	PASS
		VN	TN	4.12	0.002168	± 2.5	PASS
		VH	TN	-0.57	-0.000300	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.98	-0.001065	± 2.5	PASS
		VN	-20	2.64	0.001419	± 2.5	PASS
		VN	-10	3.82	0.002054	± 2.5	PASS
		VN	0	4.87	0.002618	± 2.5	PASS
		VN	10	4.36	0.002344	± 2.5	PASS
		VN	20	1.24	0.000667	± 2.5	PASS
		VN	30	-1.93	-0.001038	± 2.5	PASS
		VN	40	2.77	0.001489	± 2.5	PASS
		VN	50	0.97	0.000522	± 2.5	PASS
	MCH	VN	-30	-0.63	-0.000335	± 2.5	PASS
		VN	-20	-1.93	-0.001027	± 2.5	PASS
		VN	-10	-0.69	-0.000367	± 2.5	PASS
		VN	0	-0.68	-0.000362	± 2.5	PASS
		VN	10	-0.57	-0.000303	± 2.5	PASS
		VN	20	-1.43	-0.000761	± 2.5	PASS

		VN	30	-1.33	-0.000707	± 2.5	PASS
		VN	40	1.72	0.000915	± 2.5	PASS
		VN	50	2.04	0.001085	± 2.5	PASS
	HCH	VN	-30	3.56	0.001874	± 2.5	PASS
		VN	-20	3.28	0.001726	± 2.5	PASS
		VN	-10	1.39	0.000732	± 2.5	PASS
		VN	0	2.58	0.001358	± 2.5	PASS
		VN	10	-0.36	-0.000189	± 2.5	PASS
		VN	20	2.39	0.001258	± 2.5	PASS
		VN	30	1.84	0.000968	± 2.5	PASS
		VN	40	0.92	0.000484	± 2.5	PASS
		VN	50	1.2	0.000632	± 2.5	PASS
16QAM	LCH	VN	-30	-1.3	-0.000699	± 2.5	PASS
		VN	-20	1.82	0.000978	± 2.5	PASS
		VN	-10	3.63	0.001952	± 2.5	PASS
		VN	0	1.74	0.000935	± 2.5	PASS
		VN	10	3.8	0.002043	± 2.5	PASS
		VN	20	1.77	0.000952	± 2.5	PASS
		VN	30	3.22	0.001731	± 2.5	PASS
		VN	40	-0.77	-0.000414	± 2.5	PASS
		VN	50	0.87	0.000468	± 2.5	PASS
	MCH	VN	-30	3.68	0.001957	± 2.5	PASS
		VN	-20	3.33	0.001771	± 2.5	PASS
		VN	-10	2.55	0.001356	± 2.5	PASS
		VN	0	-1.7	-0.000904	± 2.5	PASS
		VN	10	2.56	0.001362	± 2.5	PASS
		VN	20	1.45	0.000771	± 2.5	PASS
		VN	30	4.65	0.002473	± 2.5	PASS
		VN	40	3.32	0.001766	± 2.5	PASS
		VN	50	-0.95	-0.000505	± 2.5	PASS
	HCH	VN	-30	1.6	0.000842	± 2.5	PASS
		VN	-20	4.21	0.002216	± 2.5	PASS
		VN	-10	-1.65	-0.000868	± 2.5	PASS
		VN	0	-0.48	-0.000253	± 2.5	PASS
		VN	10	1.45	0.000763	± 2.5	PASS
		VN	20	-1.5	-0.000789	± 2.5	PASS
		VN	30	3.42	0.001800	± 2.5	PASS
		VN	40	0.01	0.000005	± 2.5	PASS
		VN	50	1.18	0.000621	± 2.5	PASS