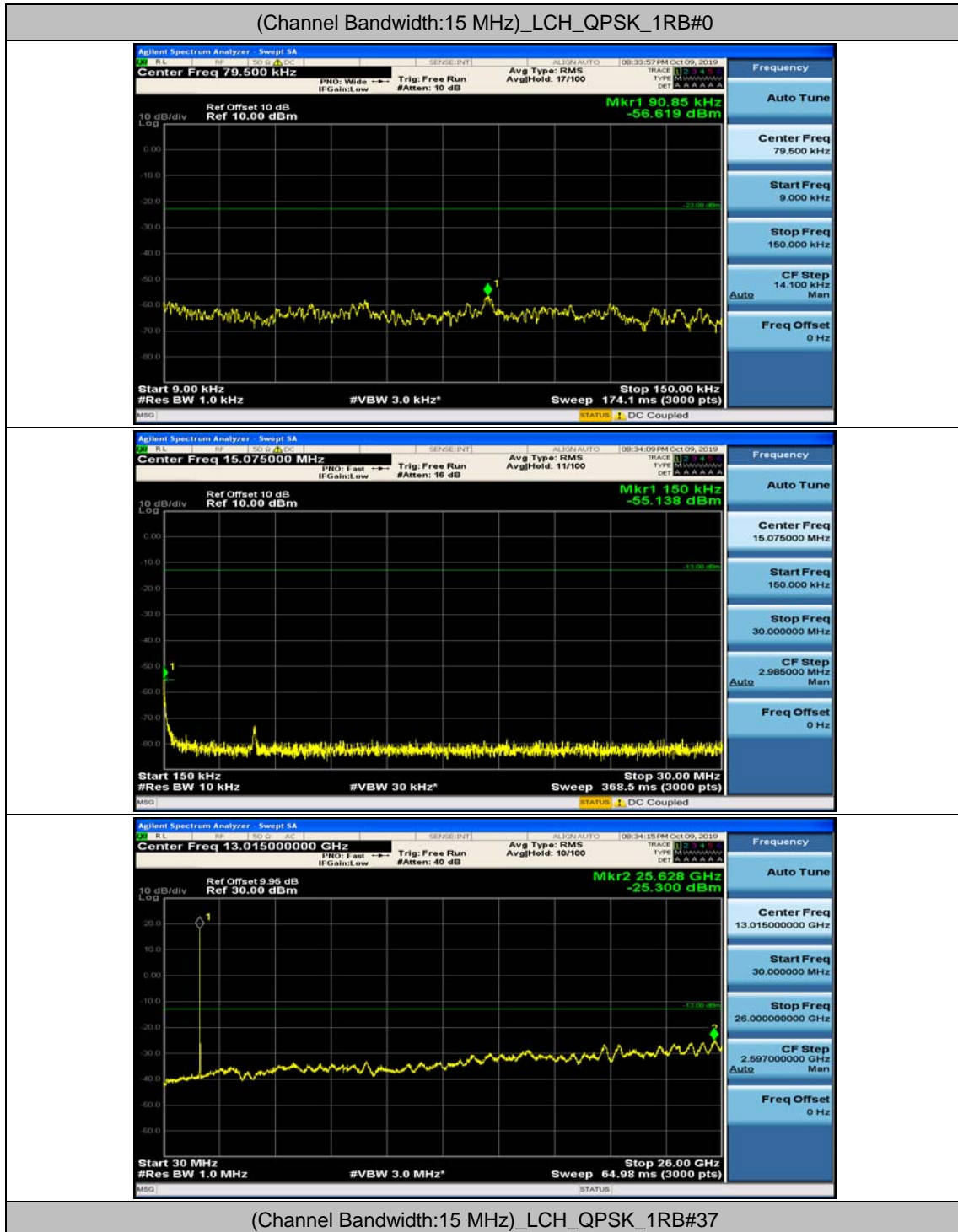
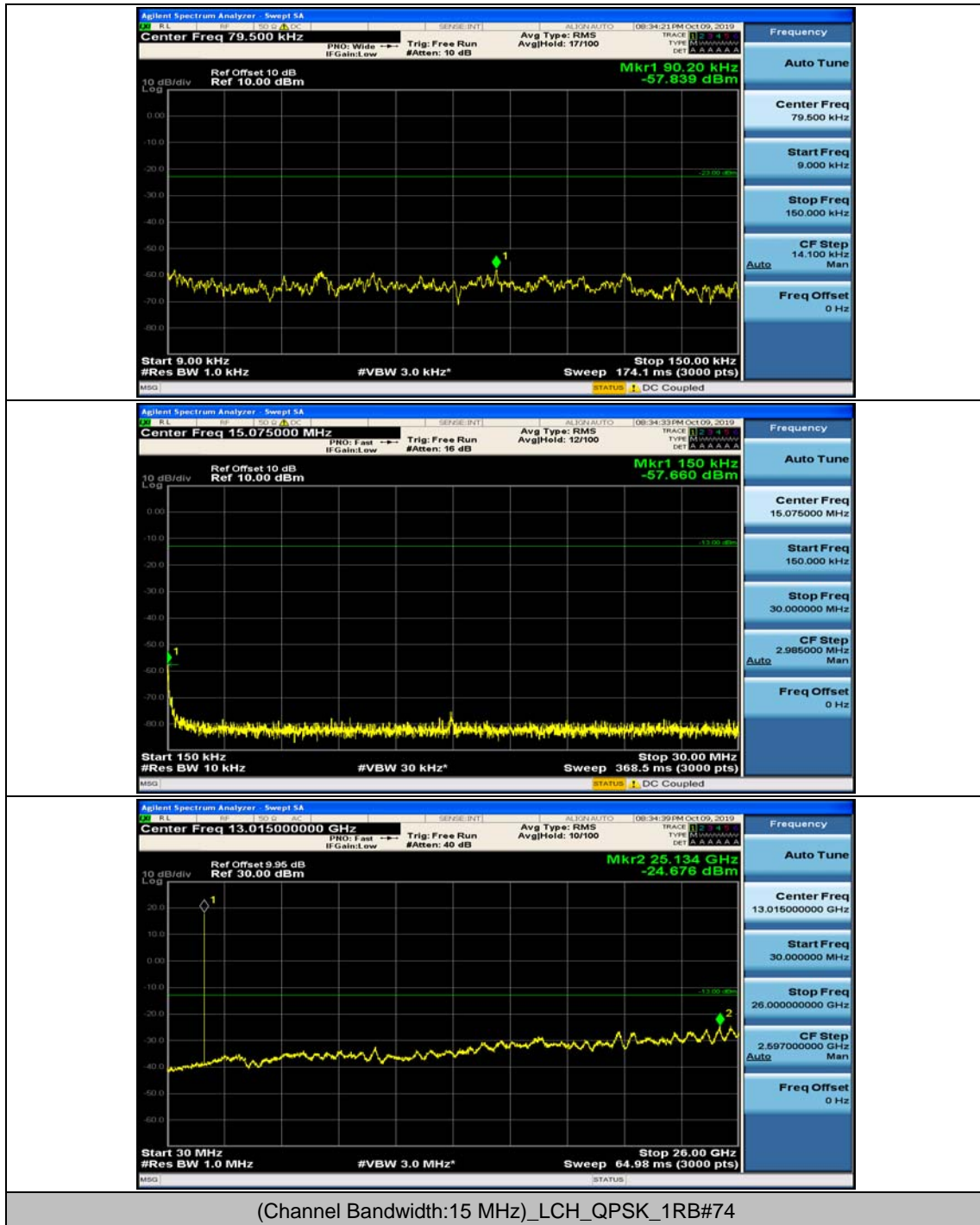
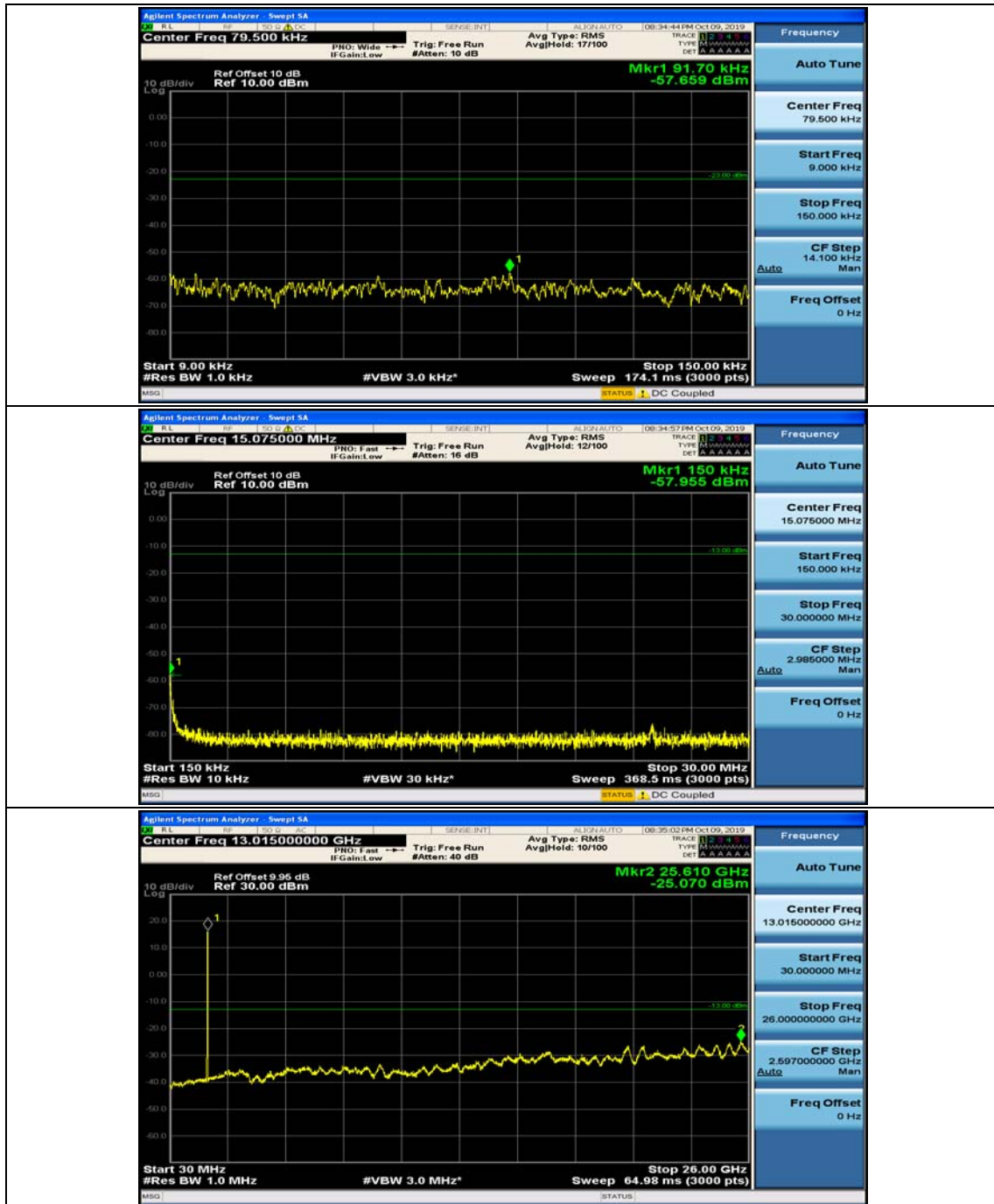


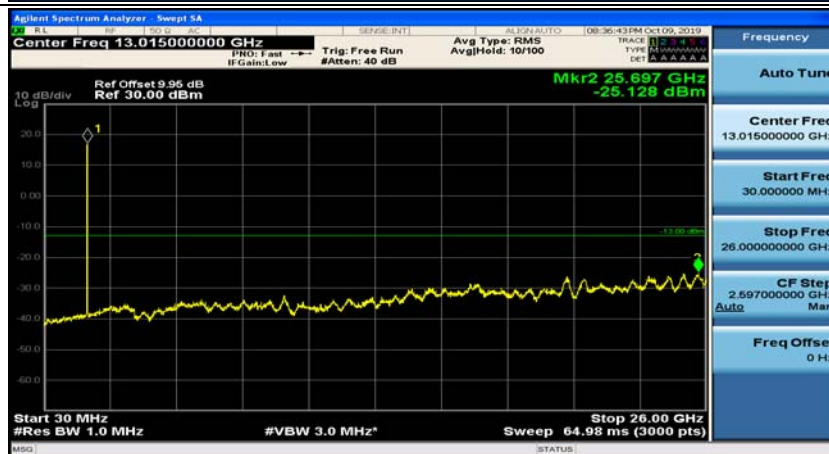
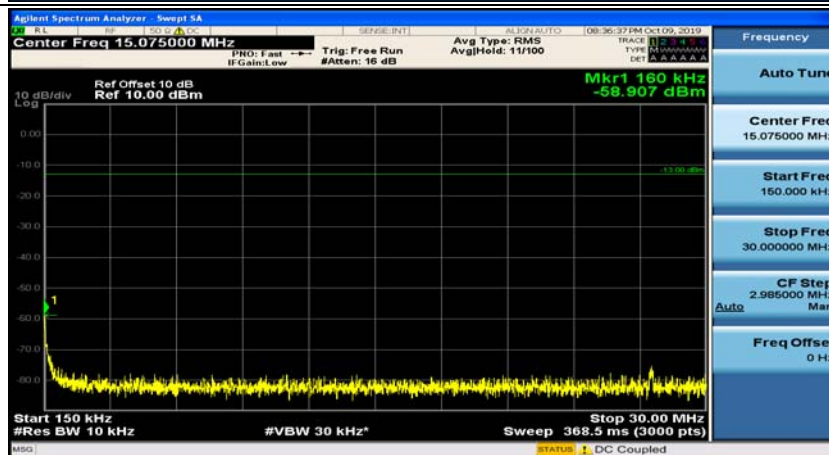
Channel Bandwidth: 15 MHz



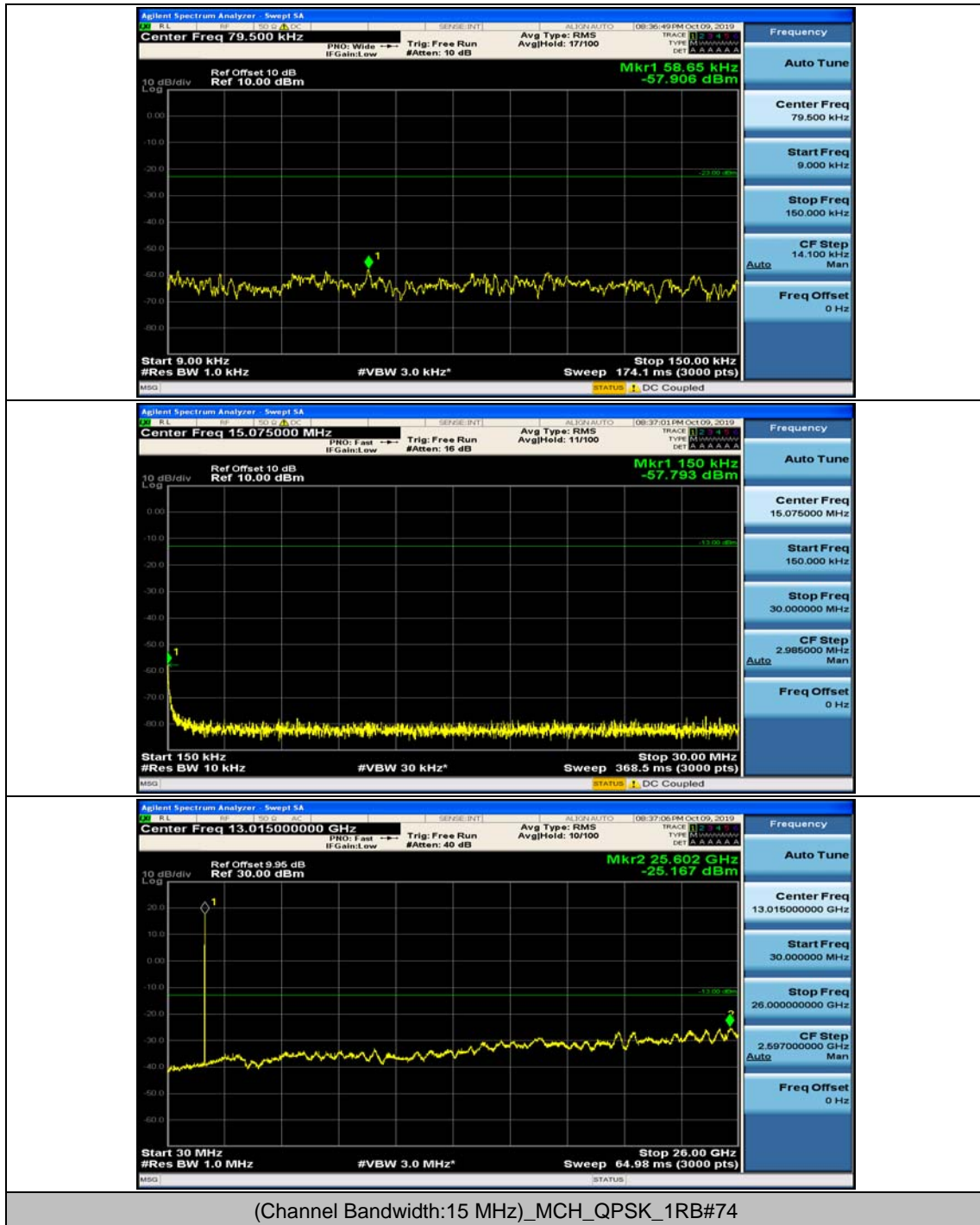


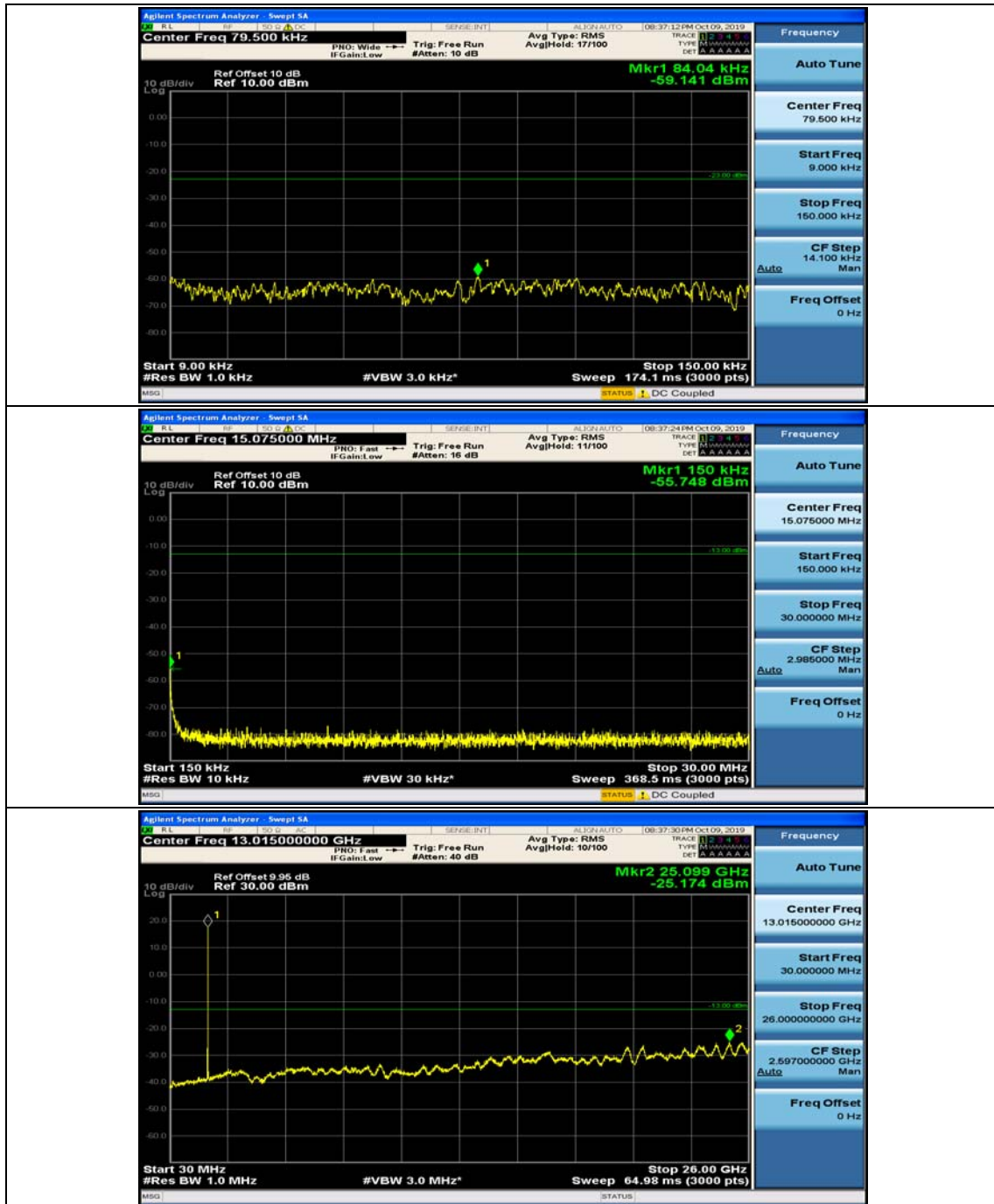


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

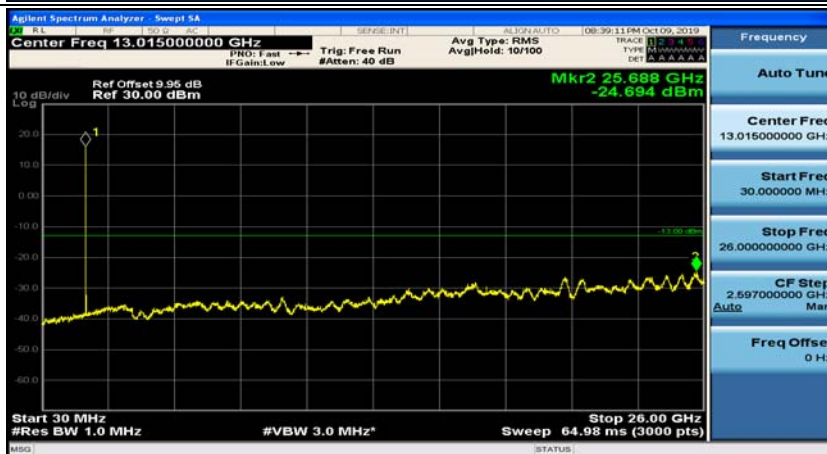
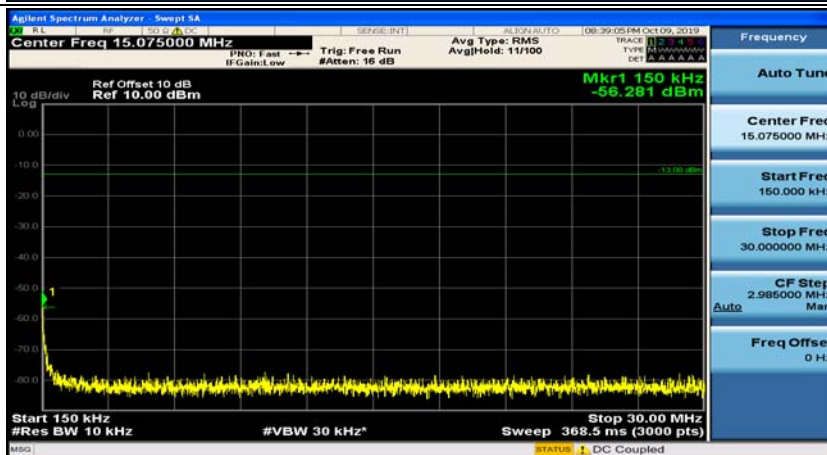
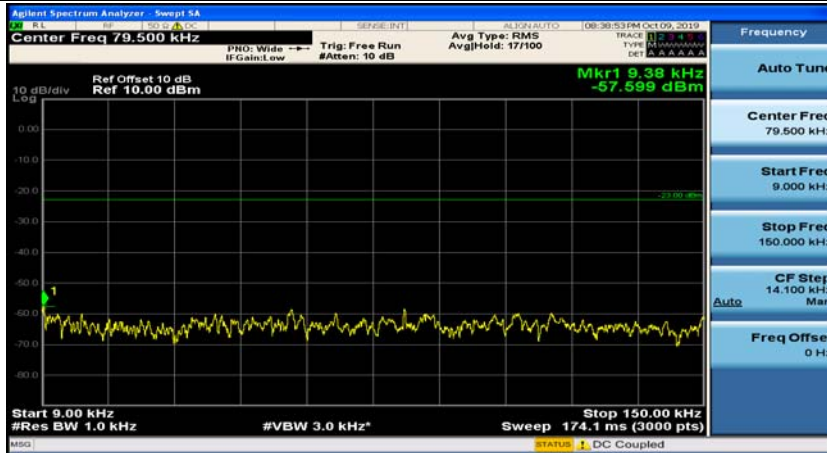


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

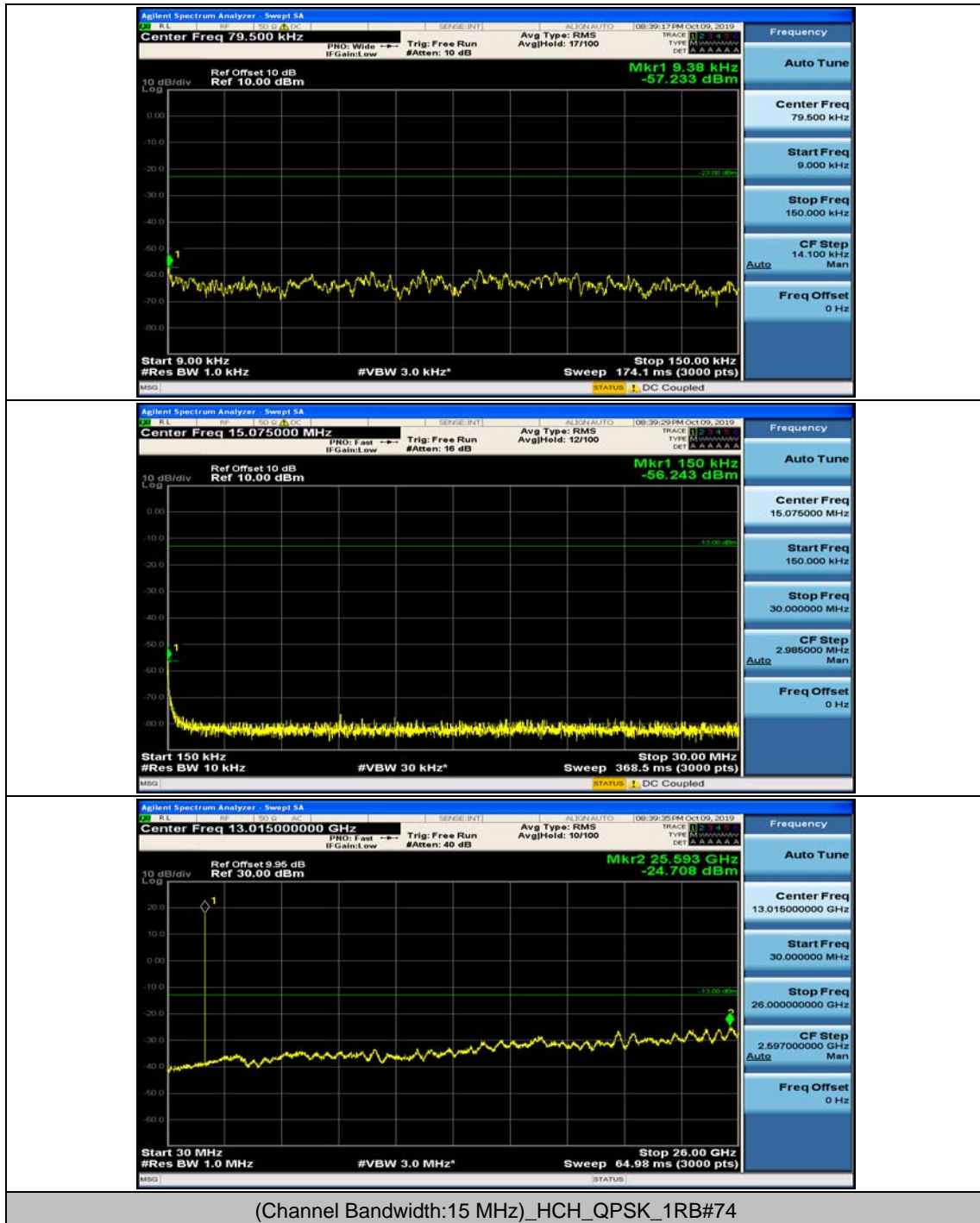


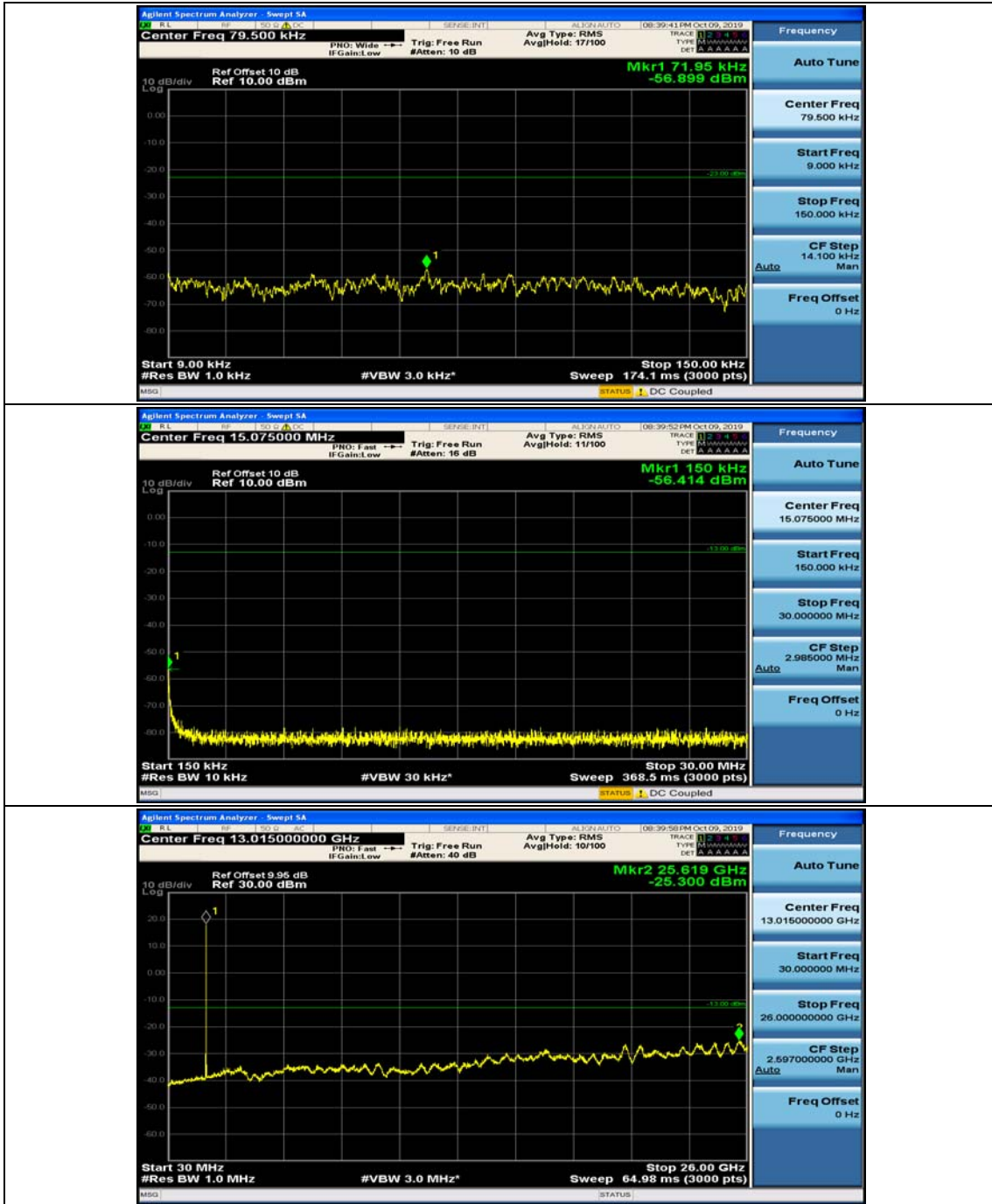


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

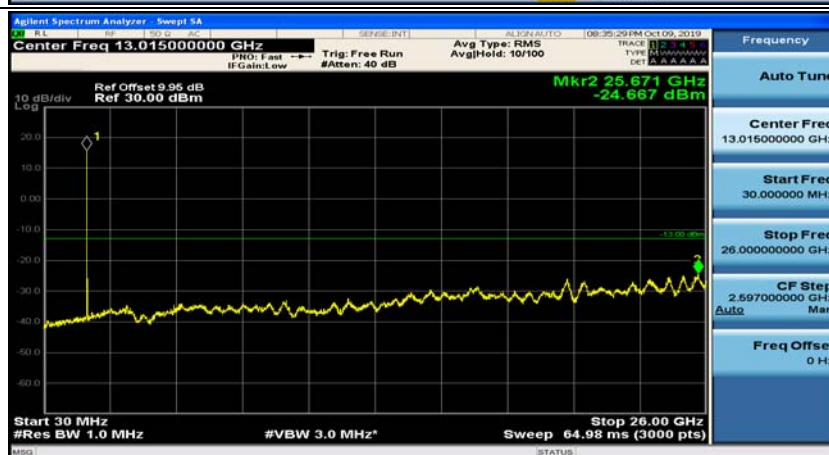
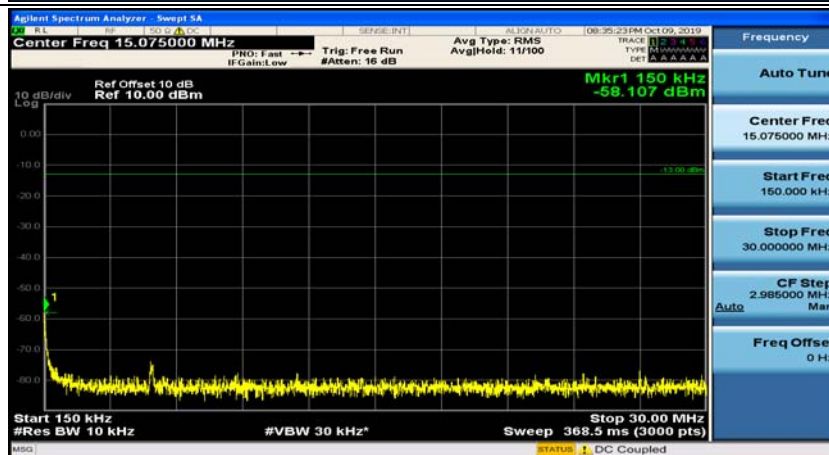
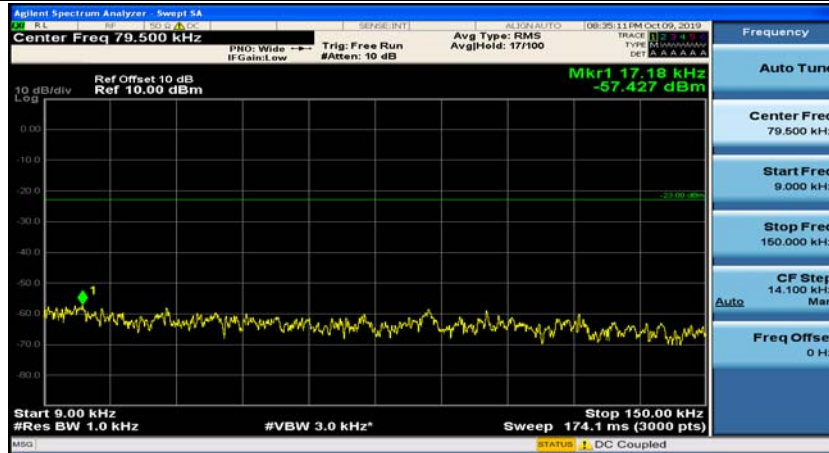


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

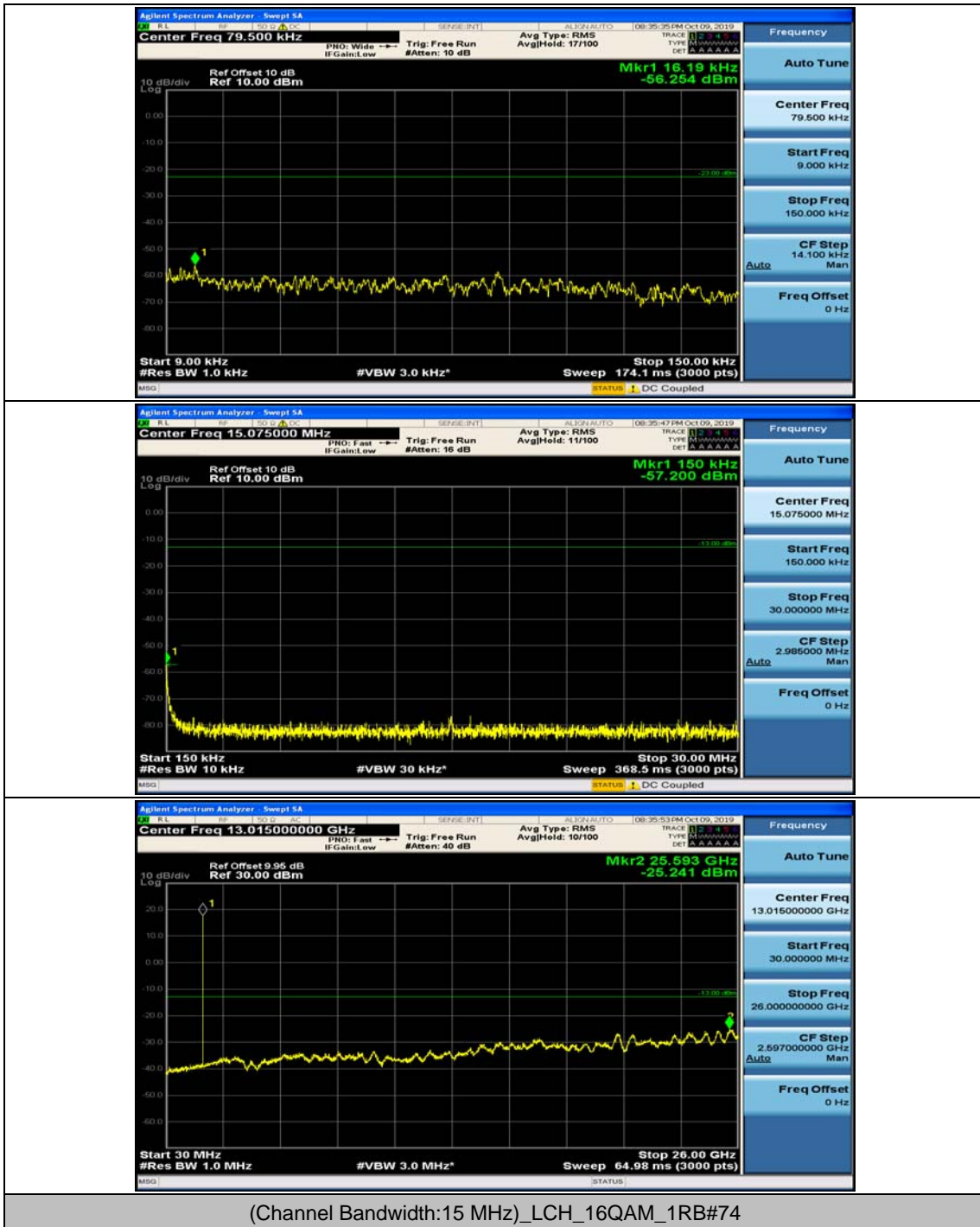


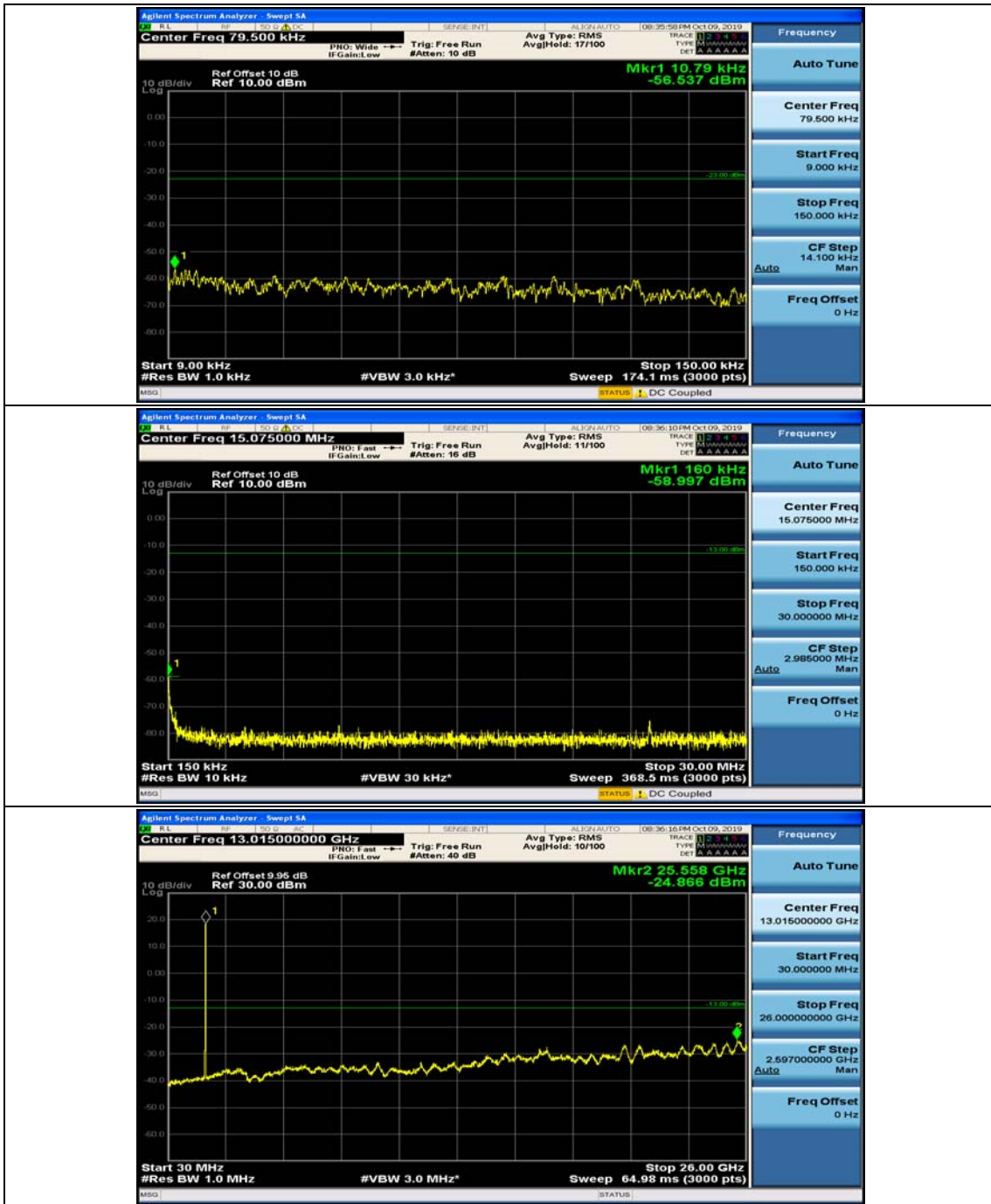


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

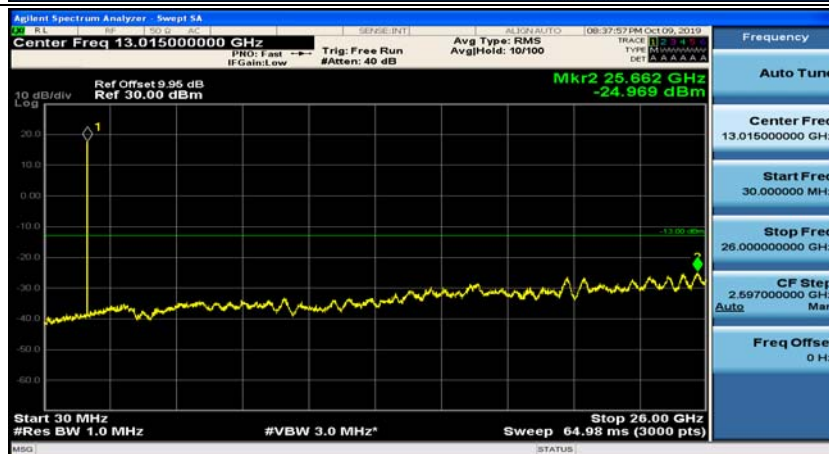
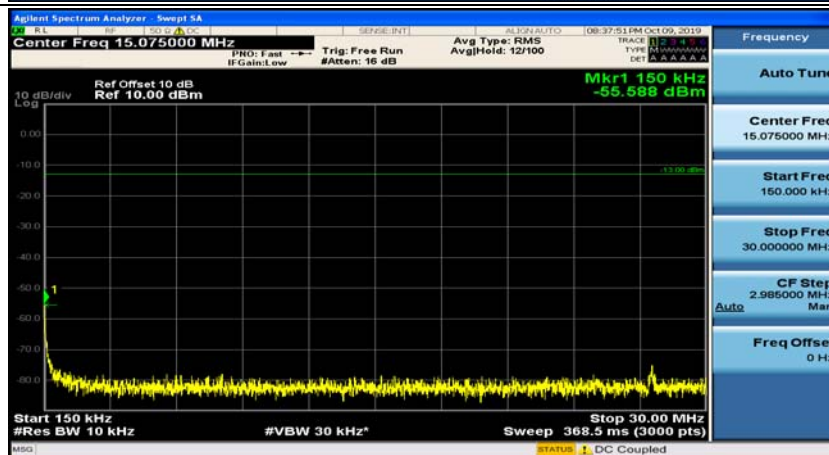


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

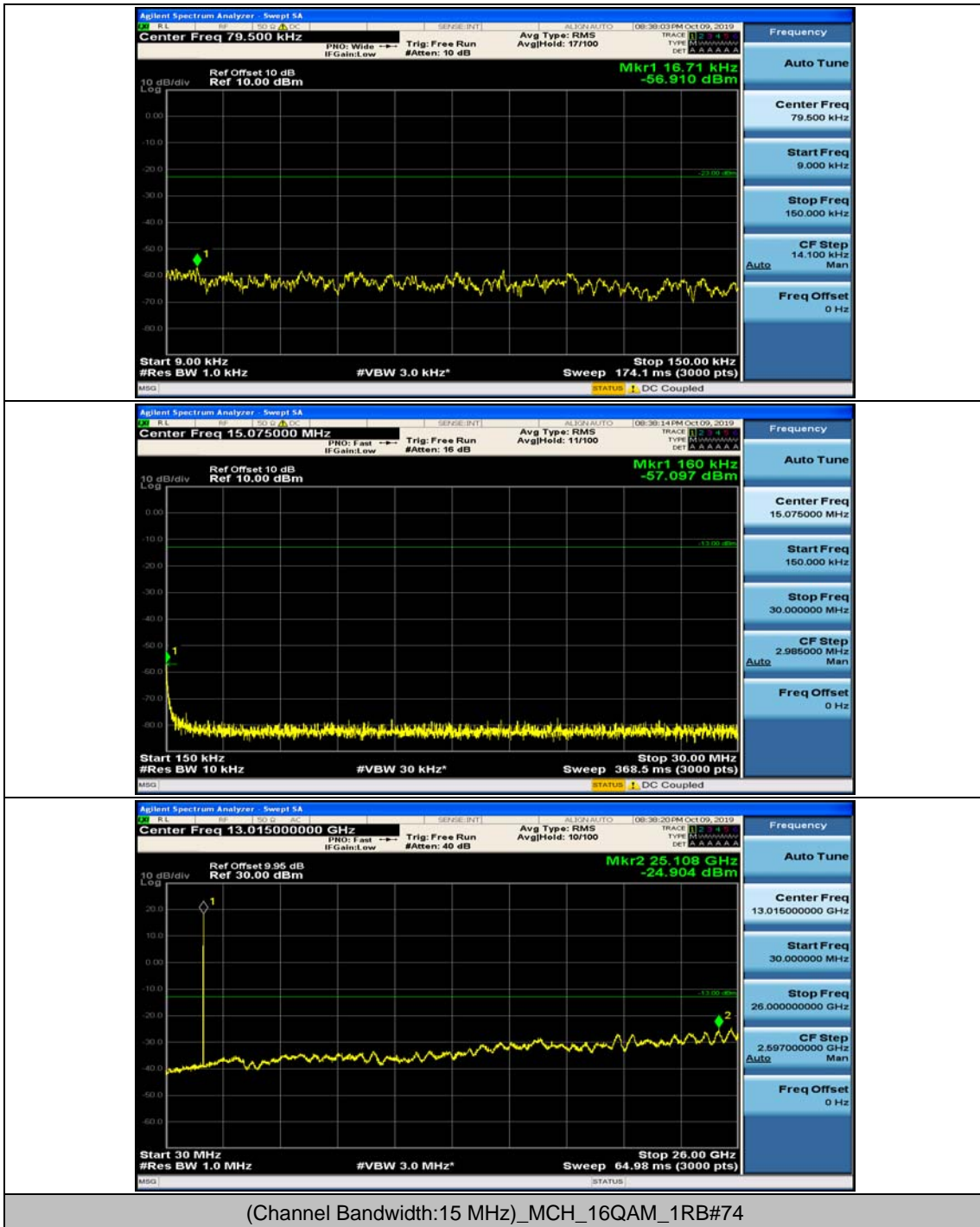


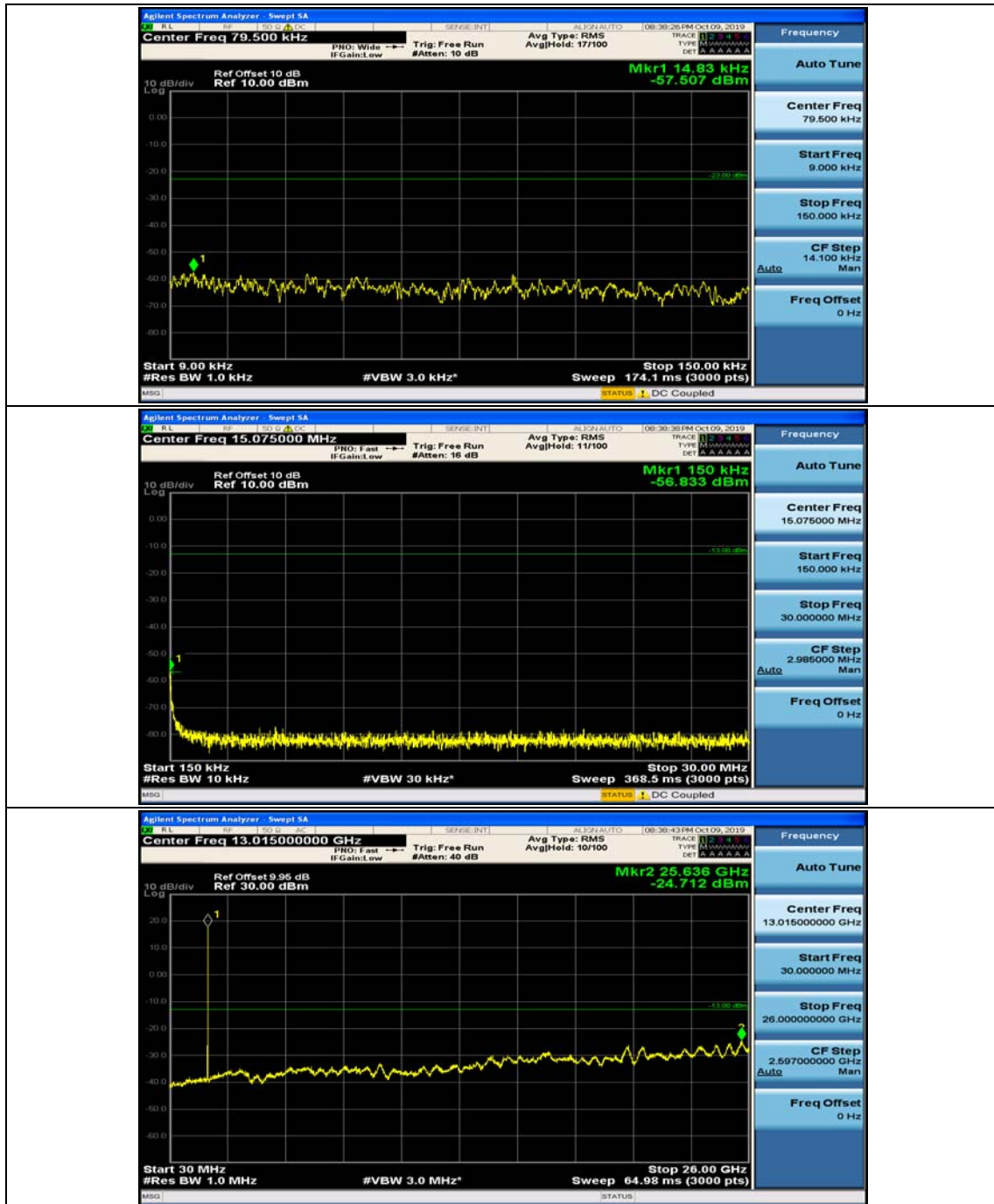


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

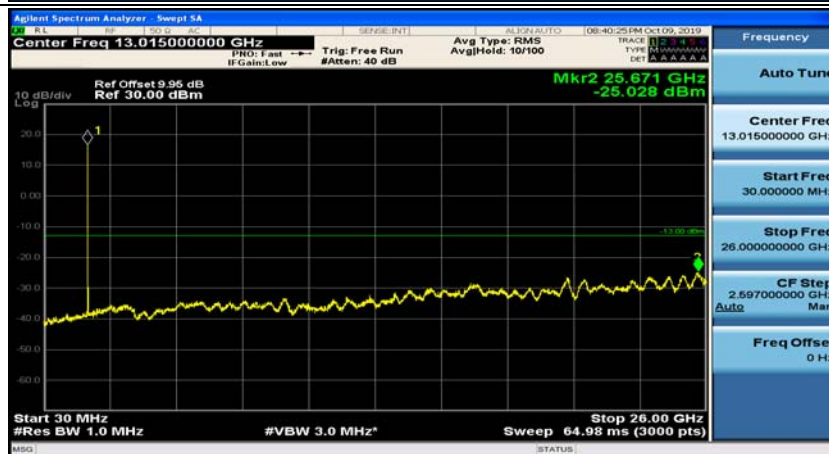
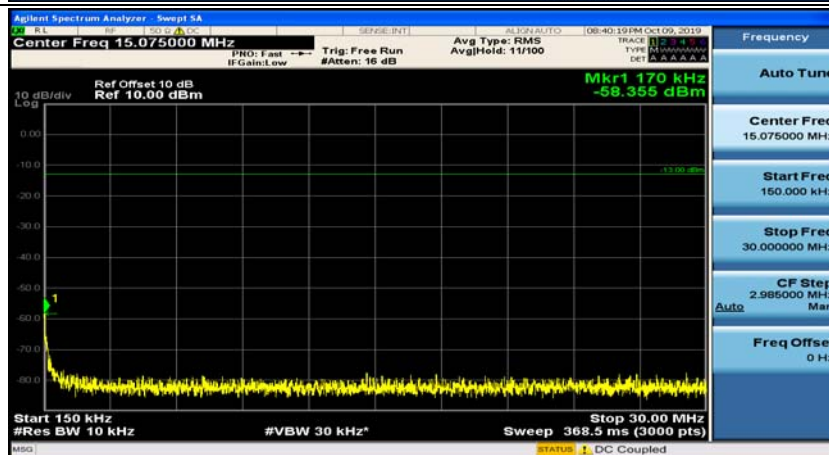


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

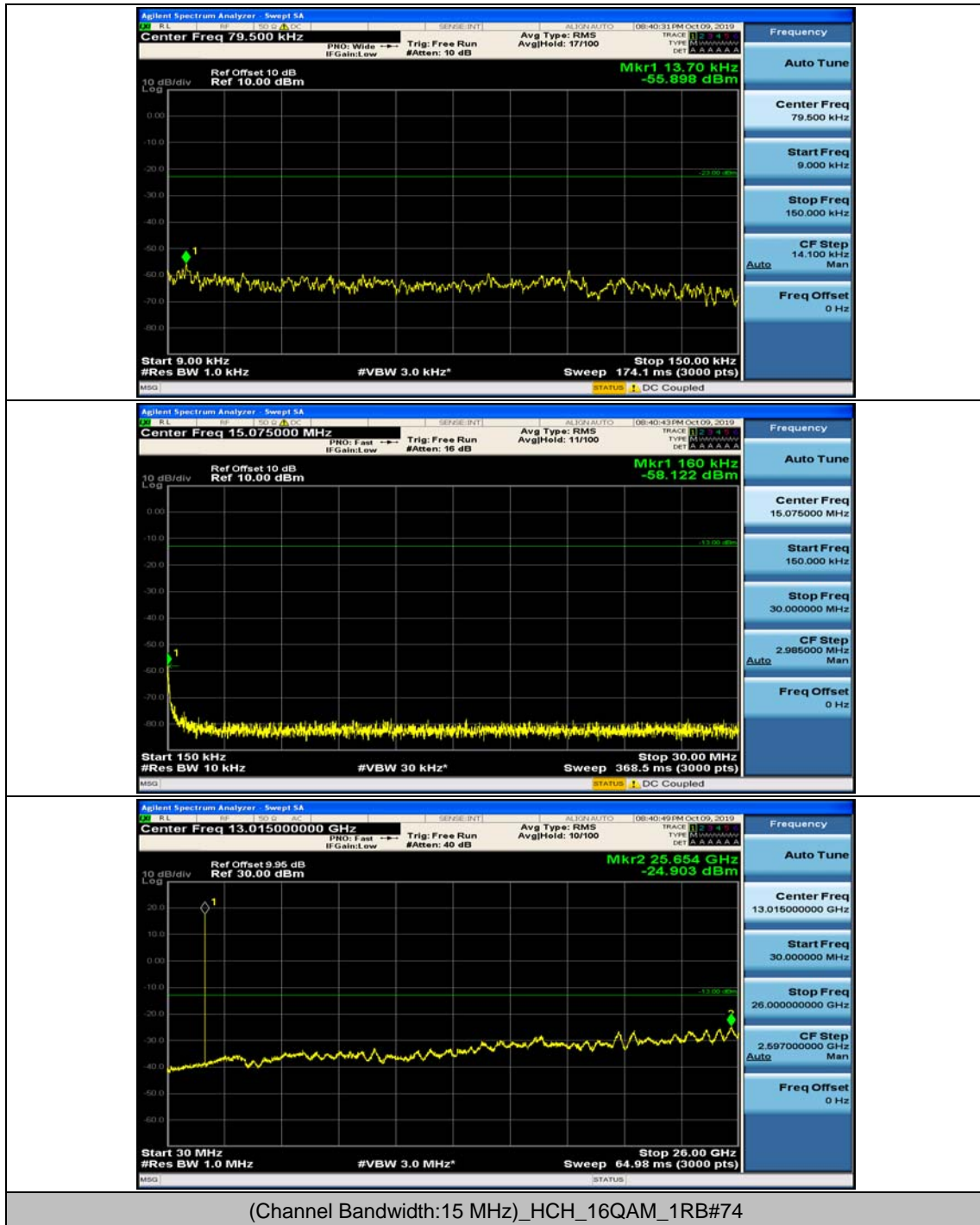


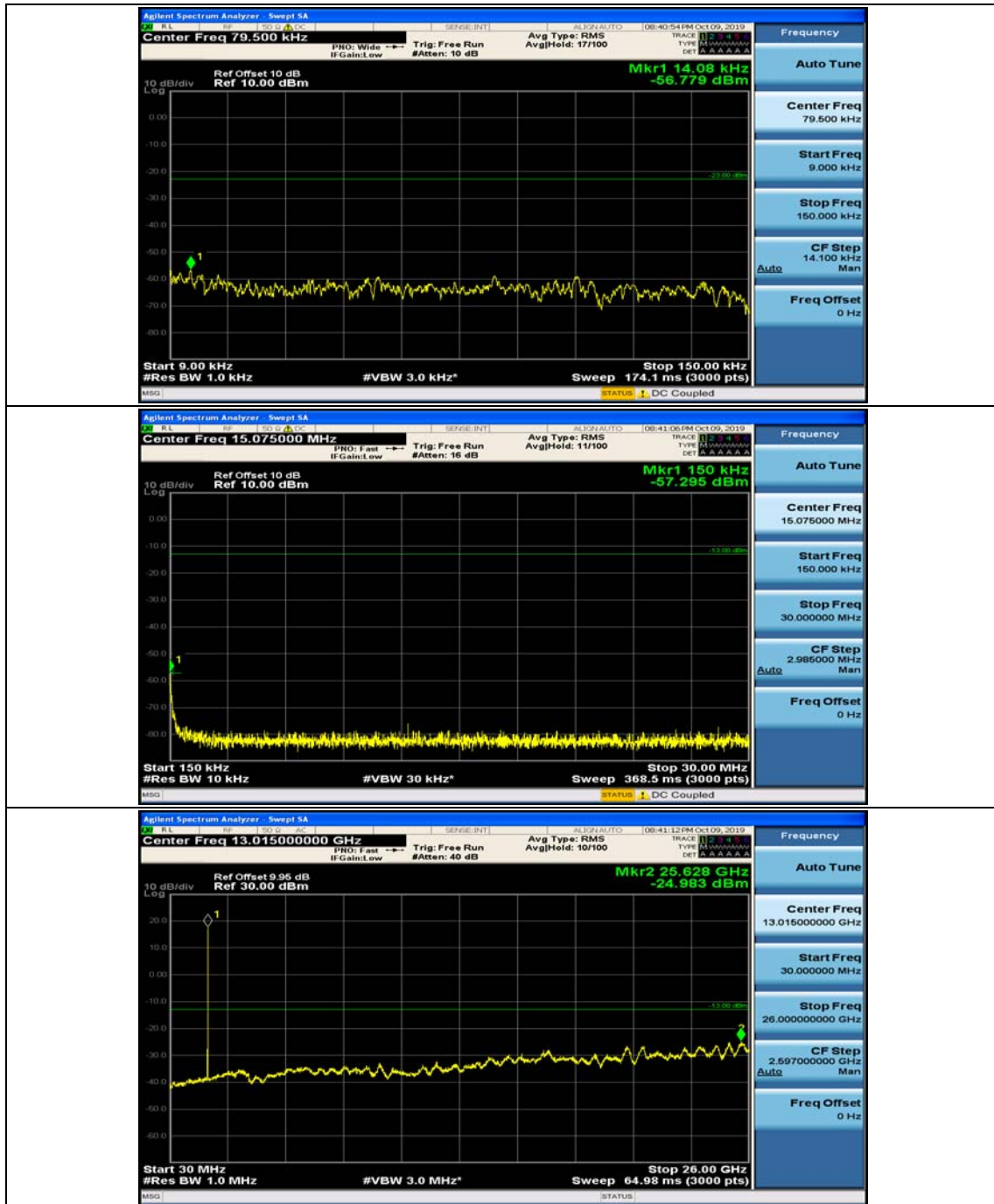


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

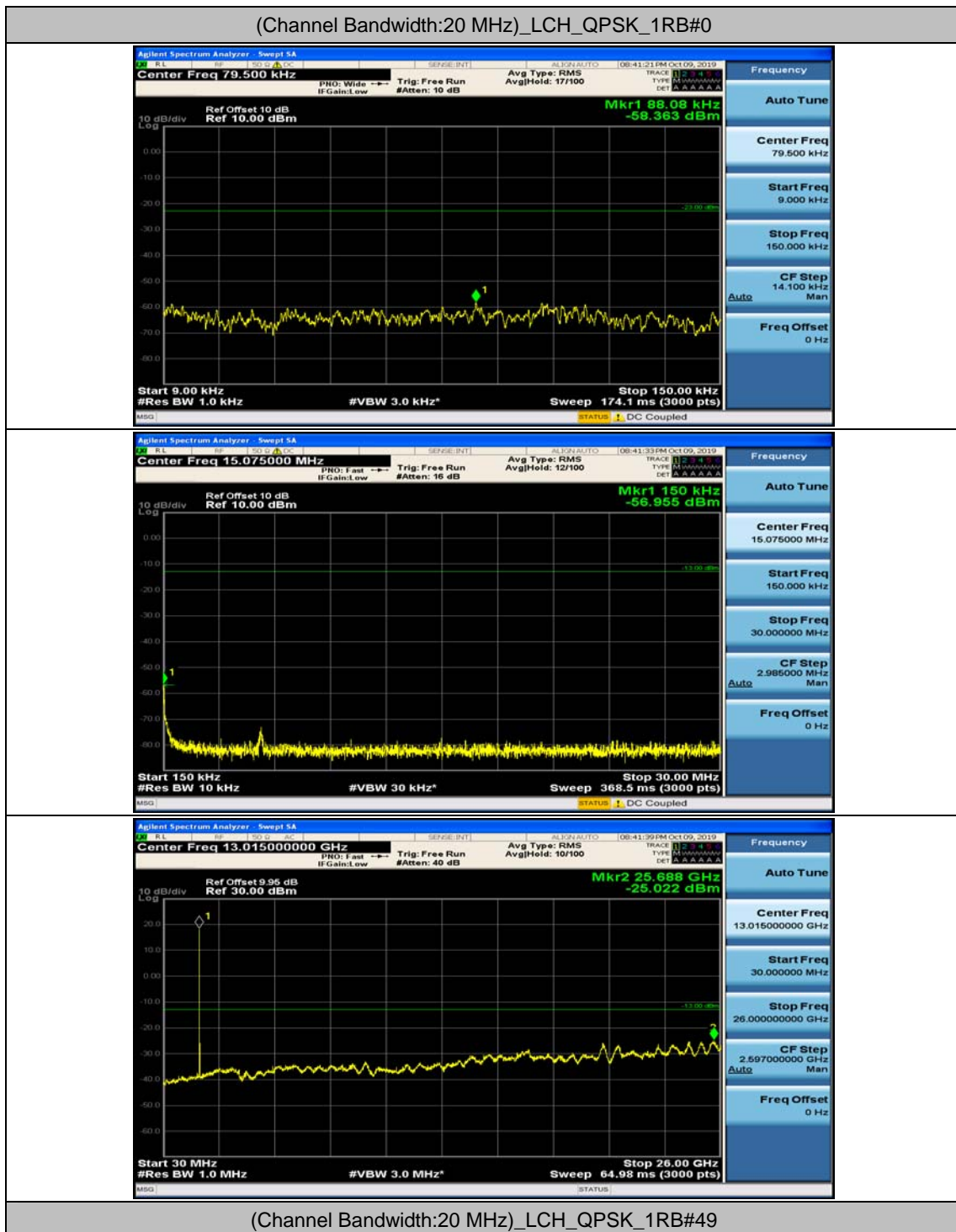


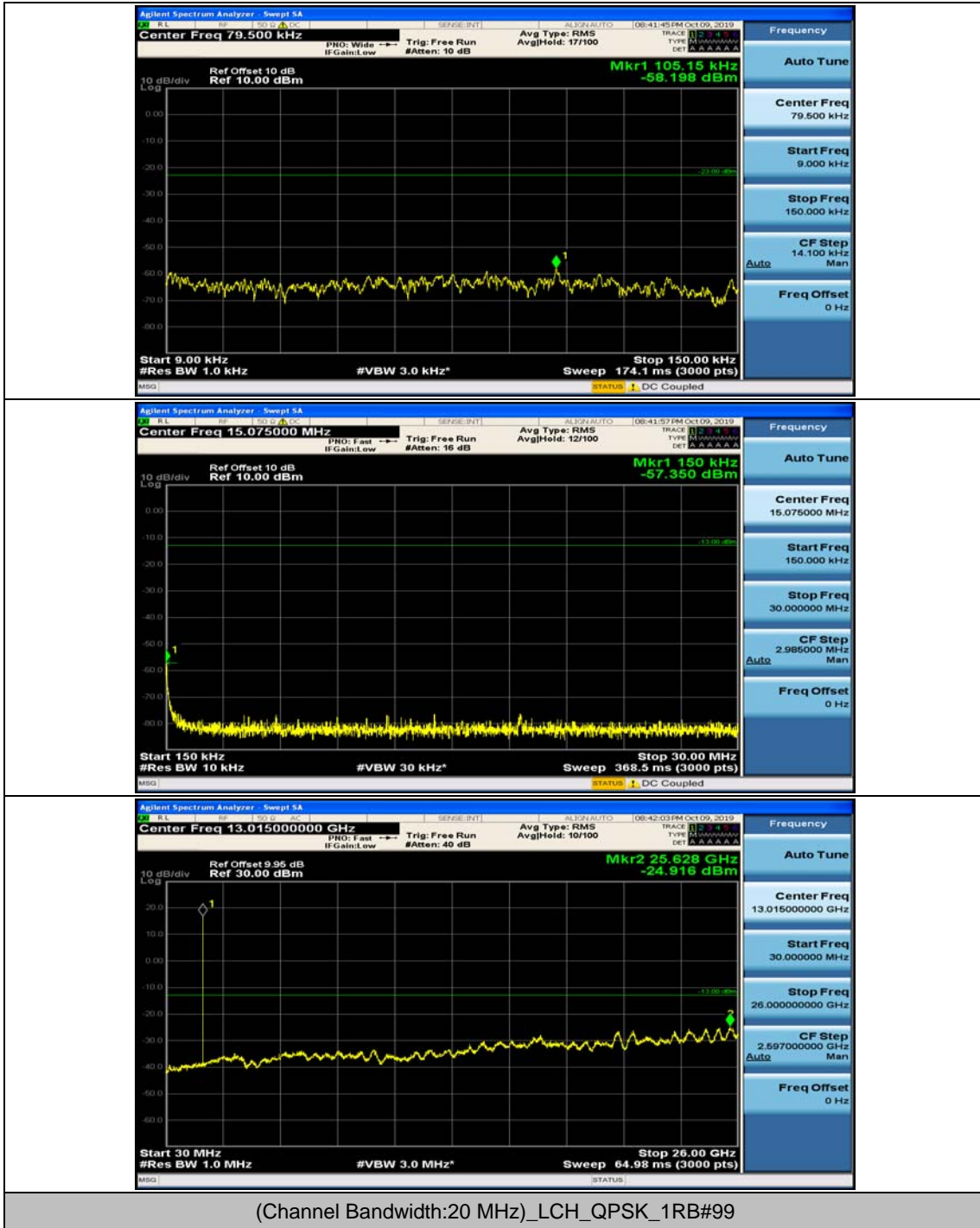
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

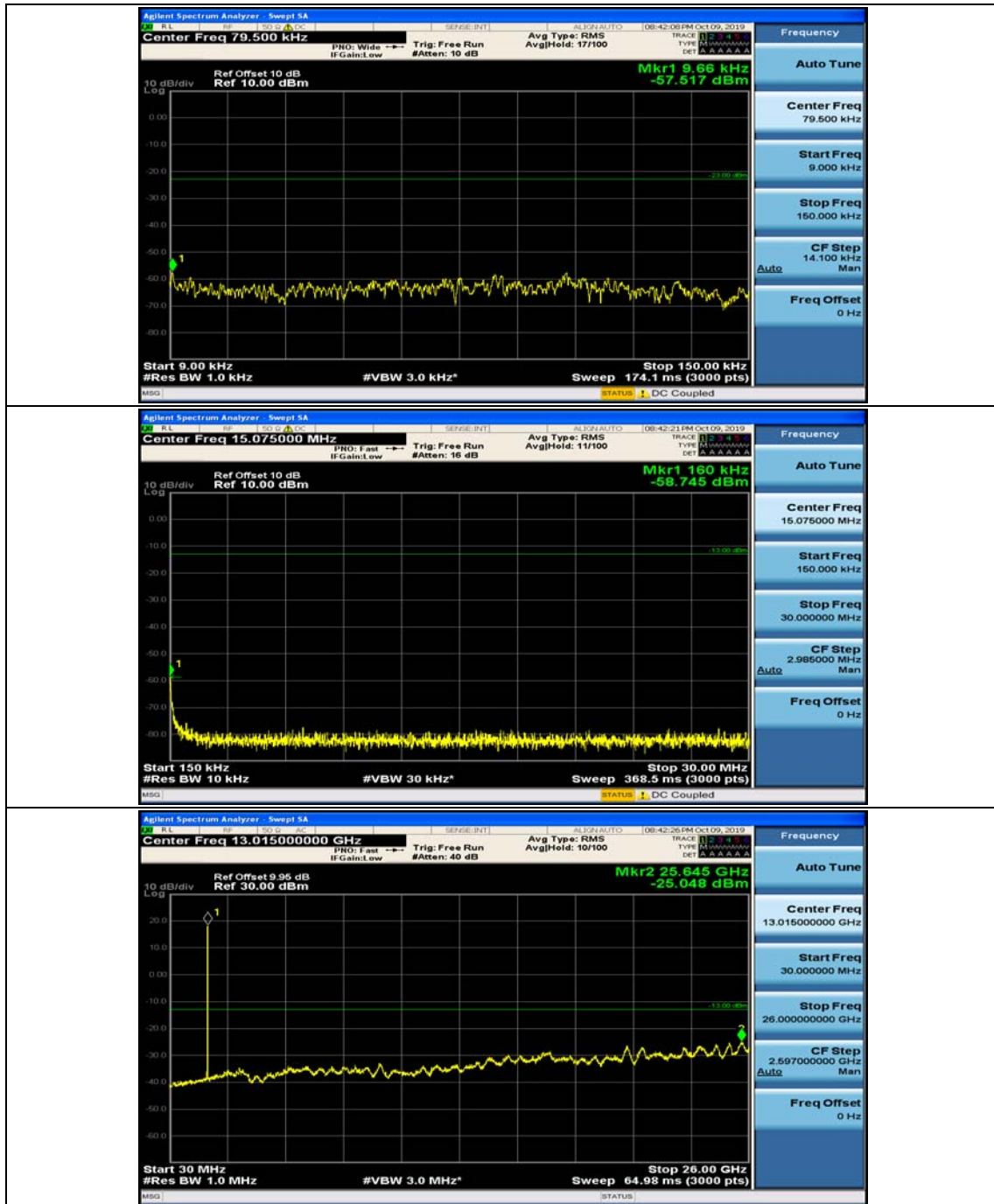




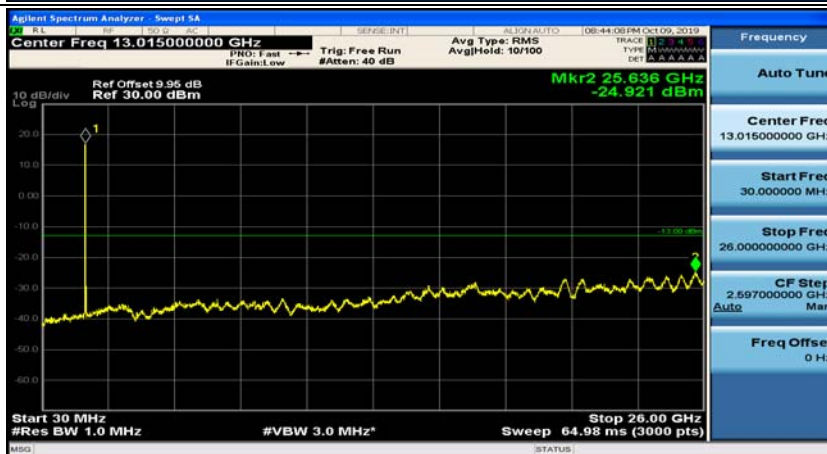
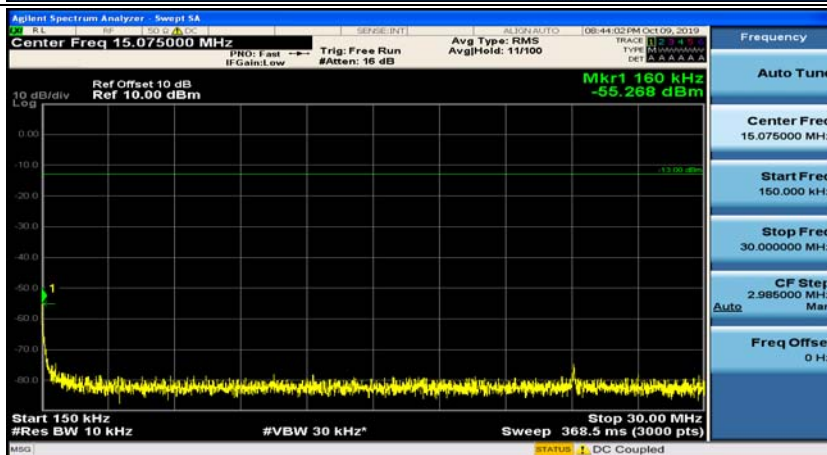
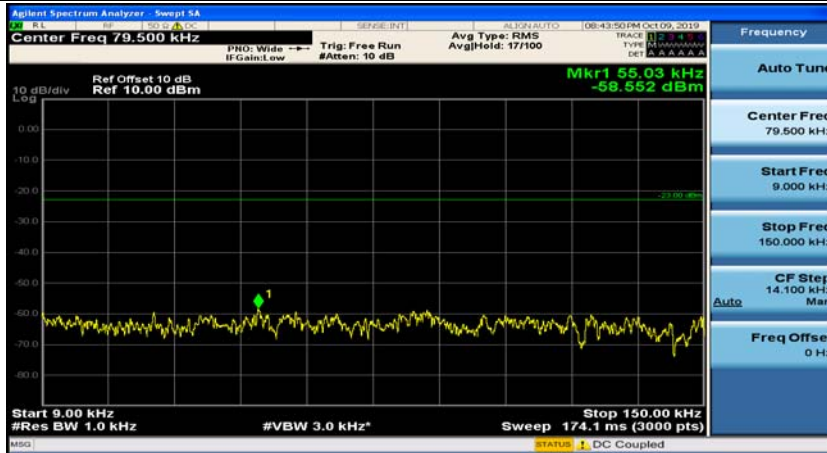
Channel Bandwidth: 20 MHz



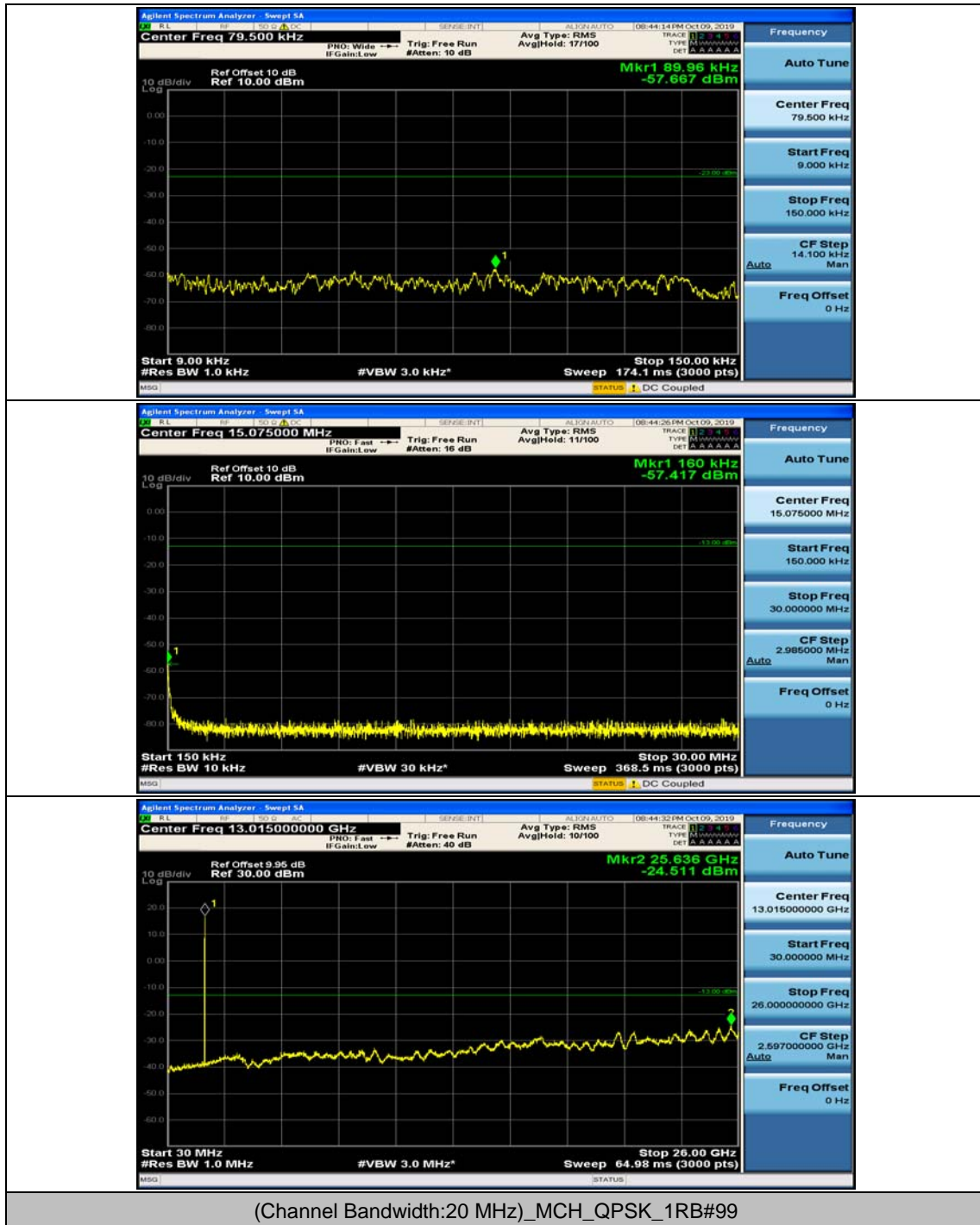


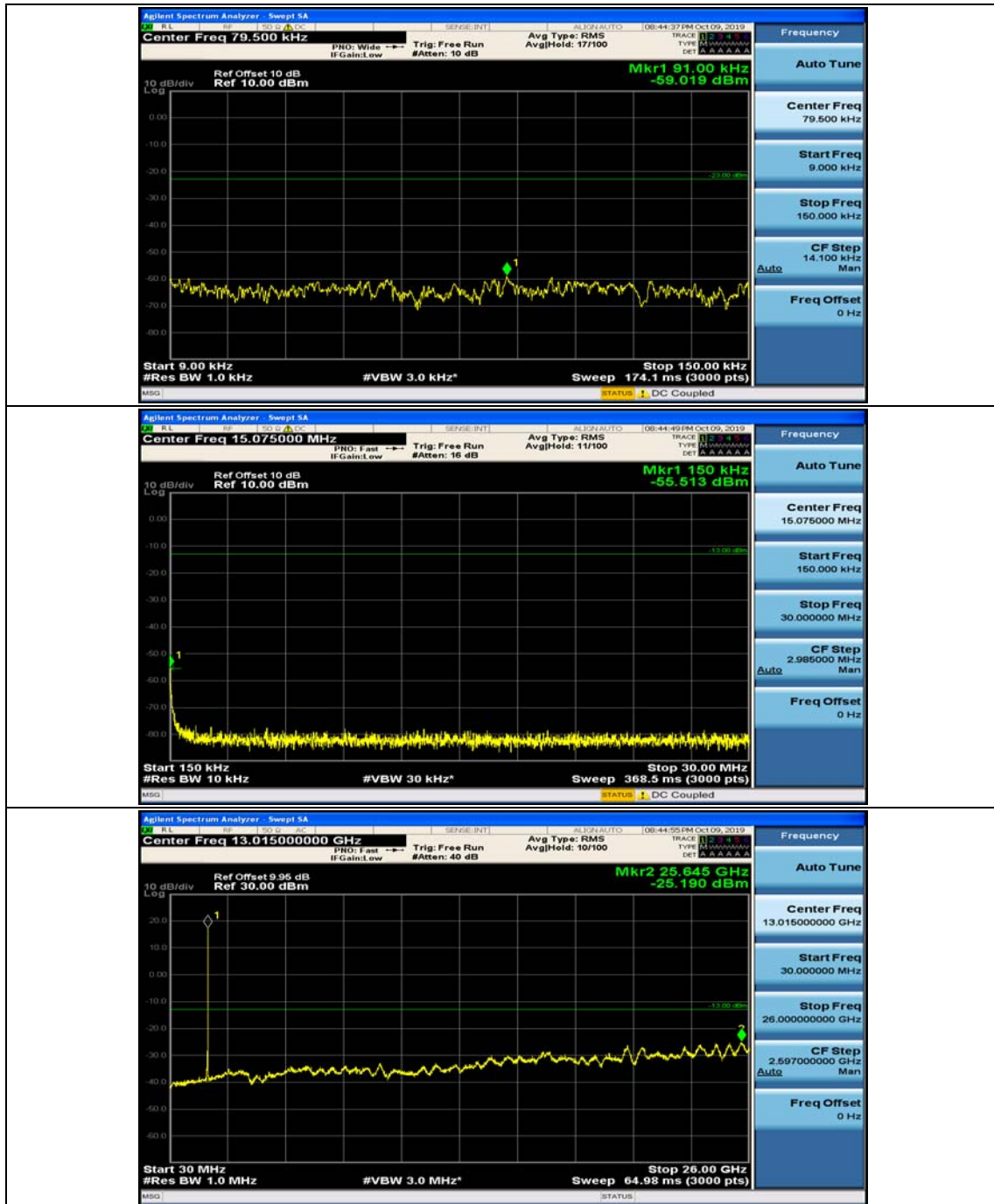


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

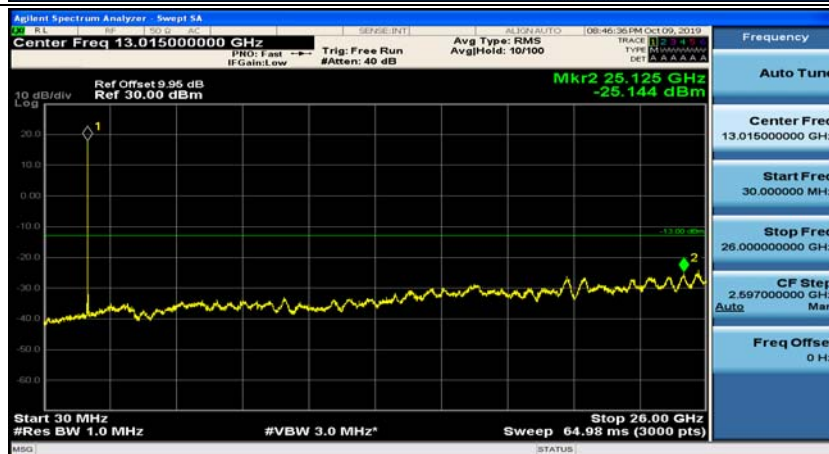
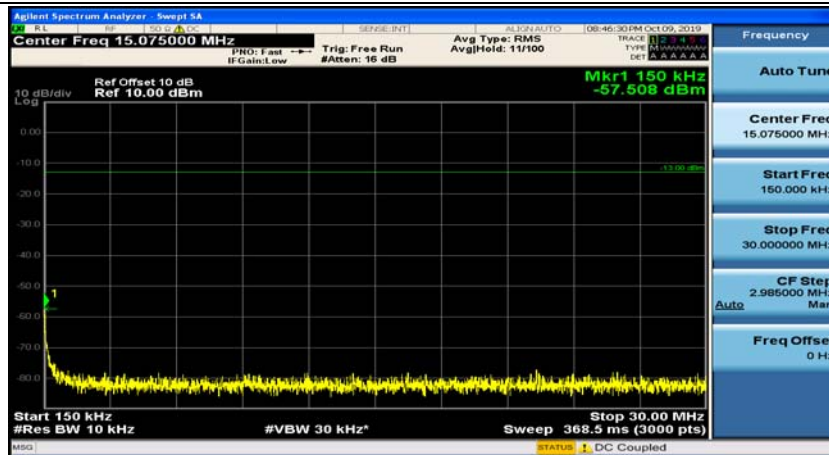
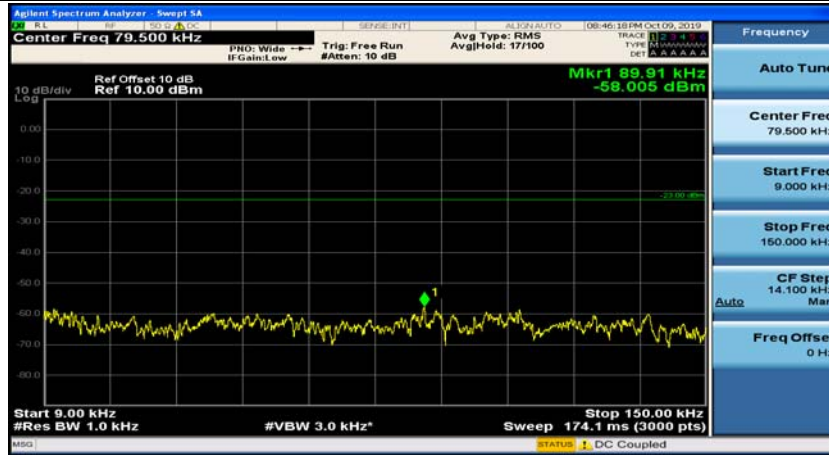


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

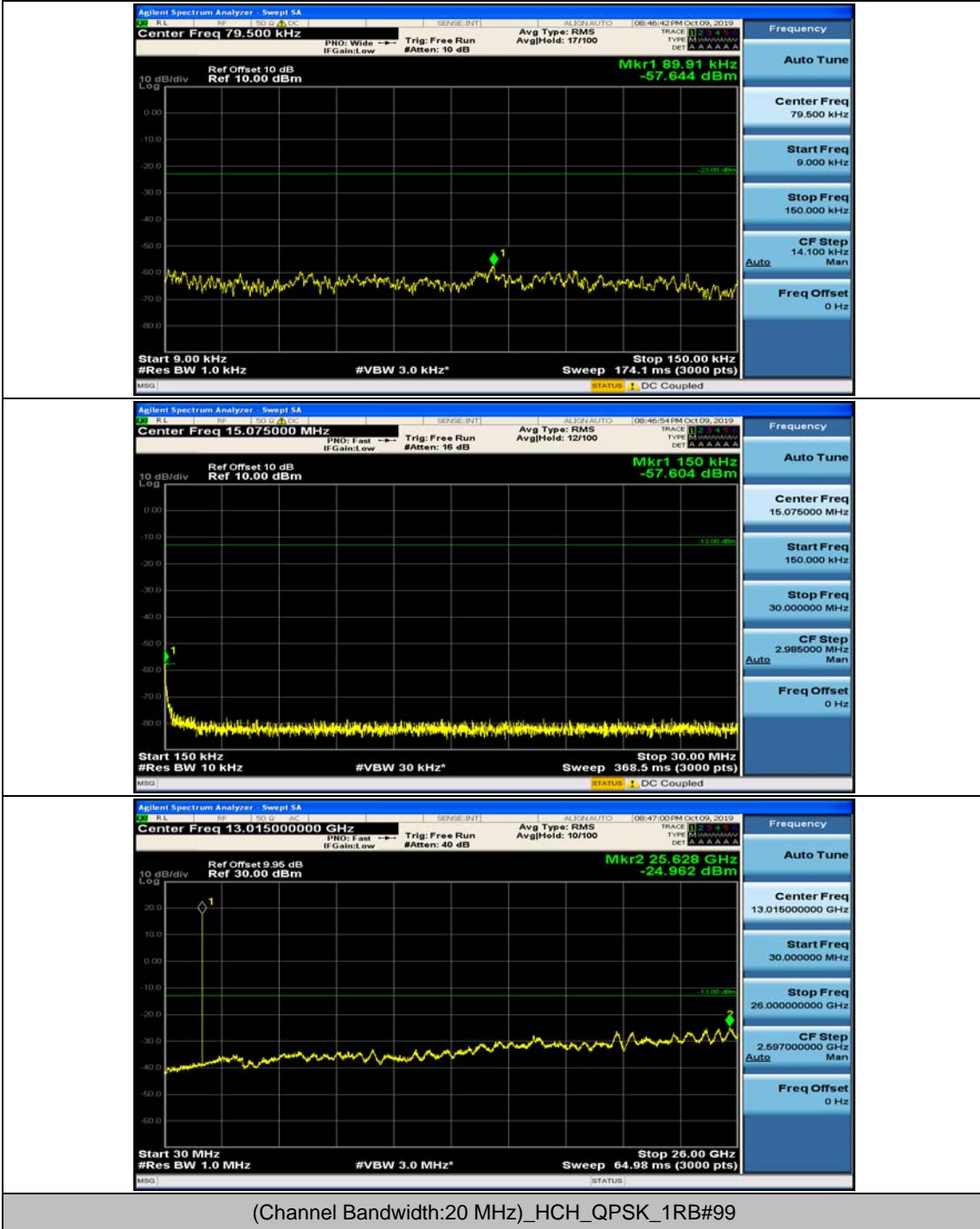


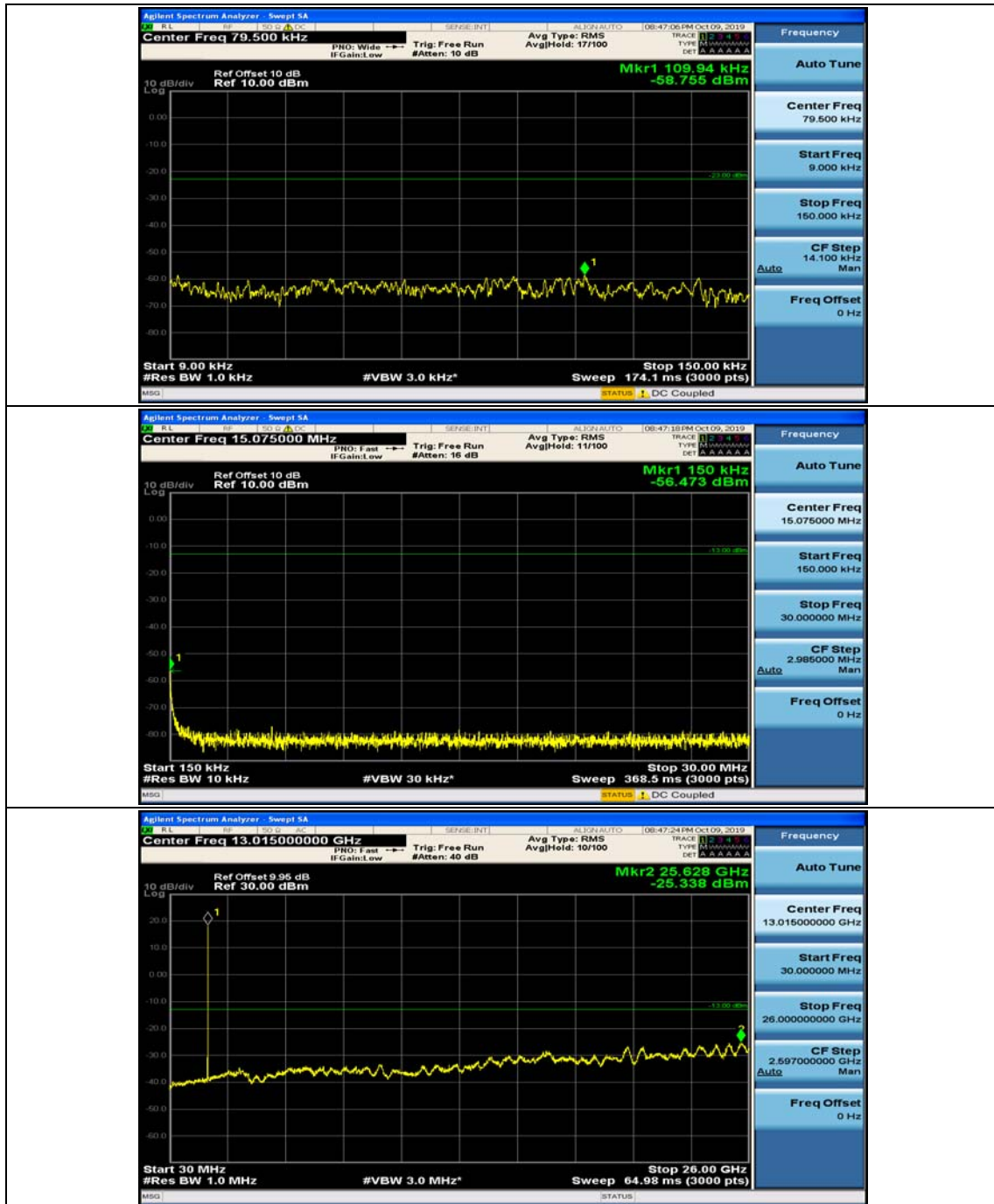


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

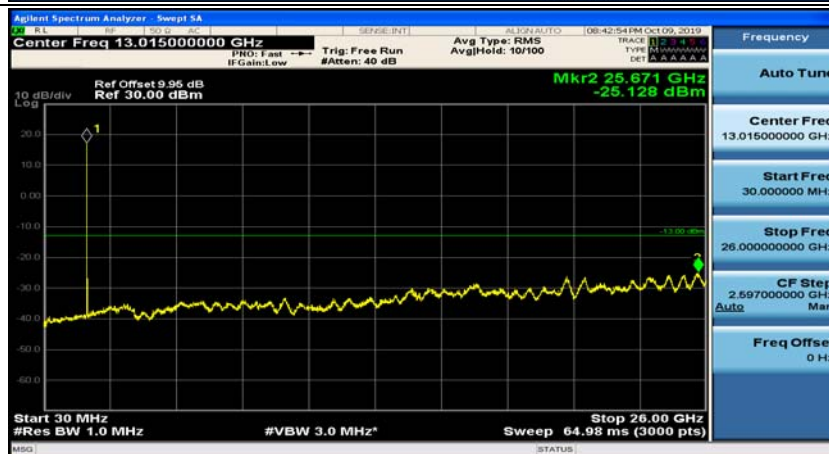
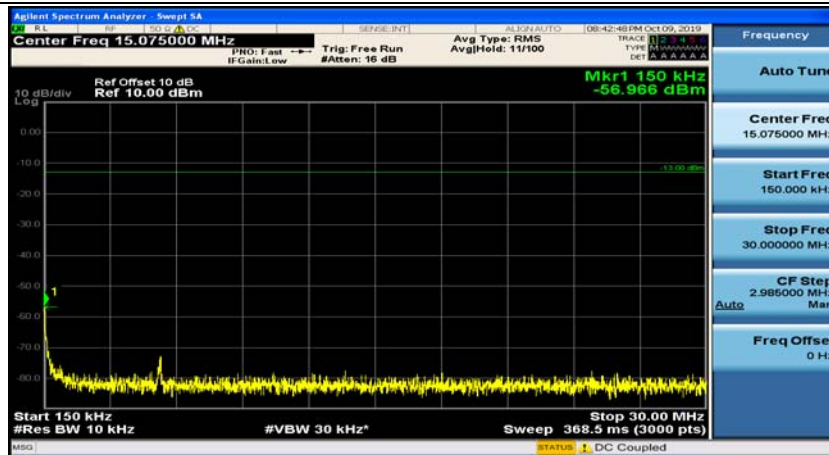


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

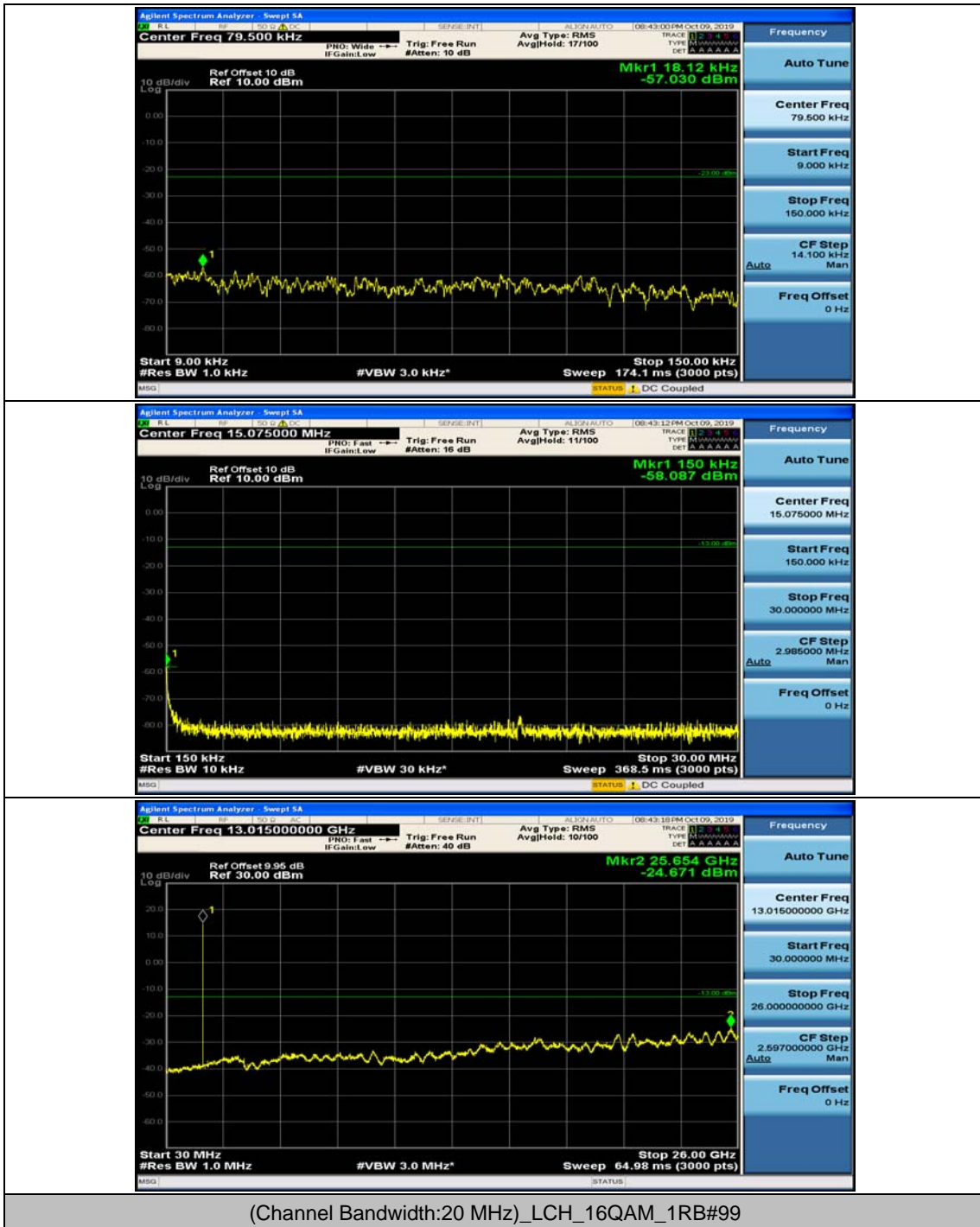


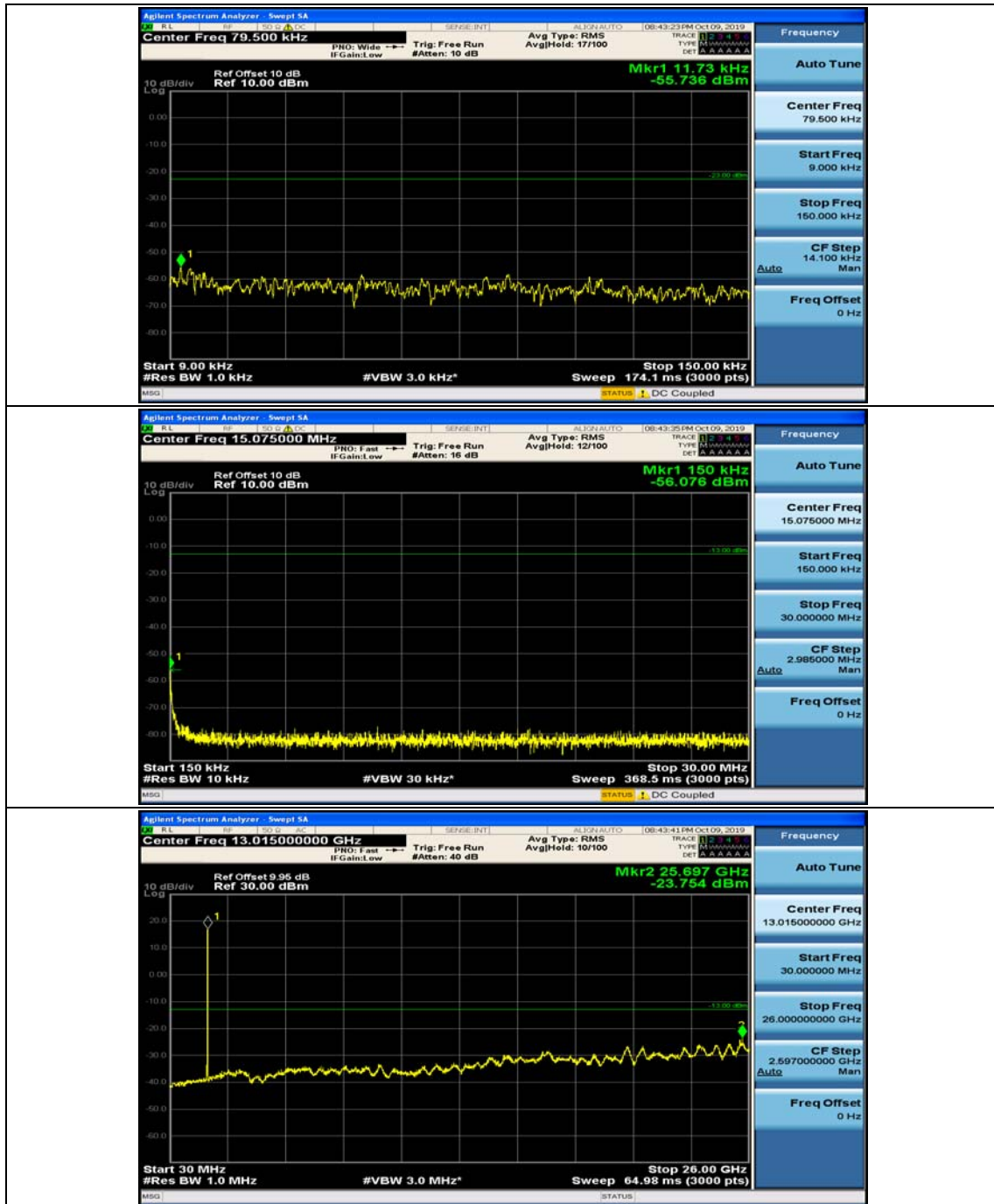


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

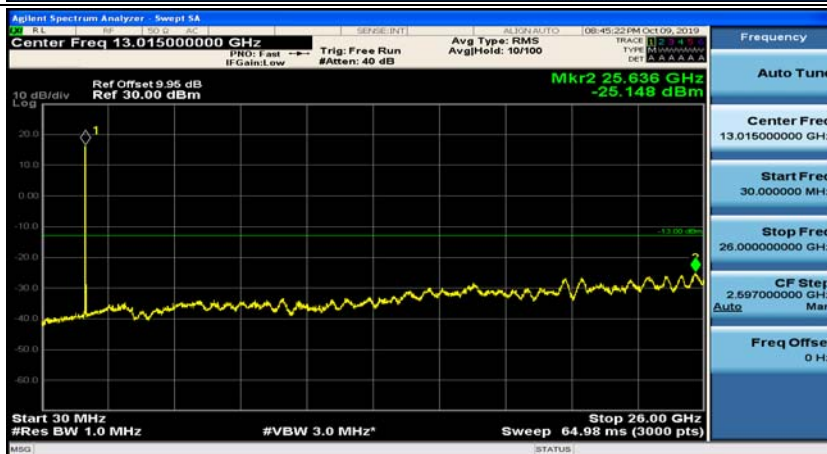
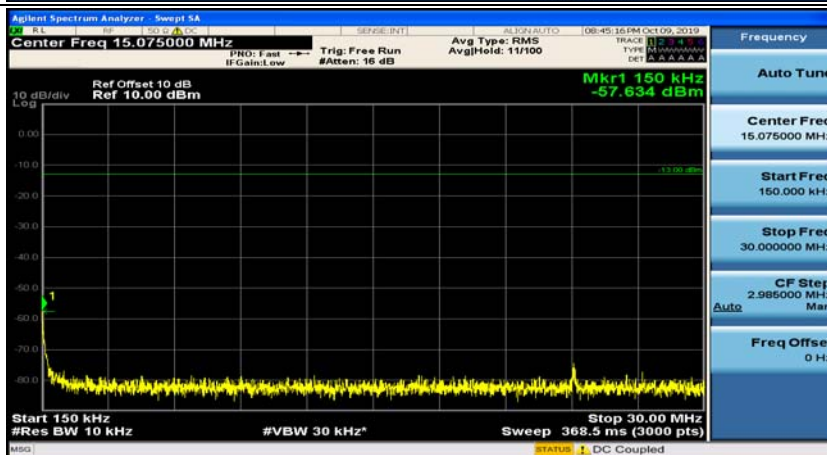
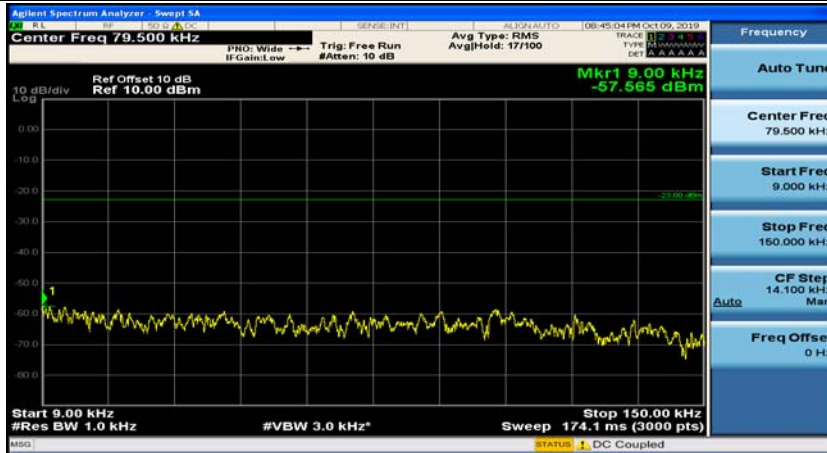


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

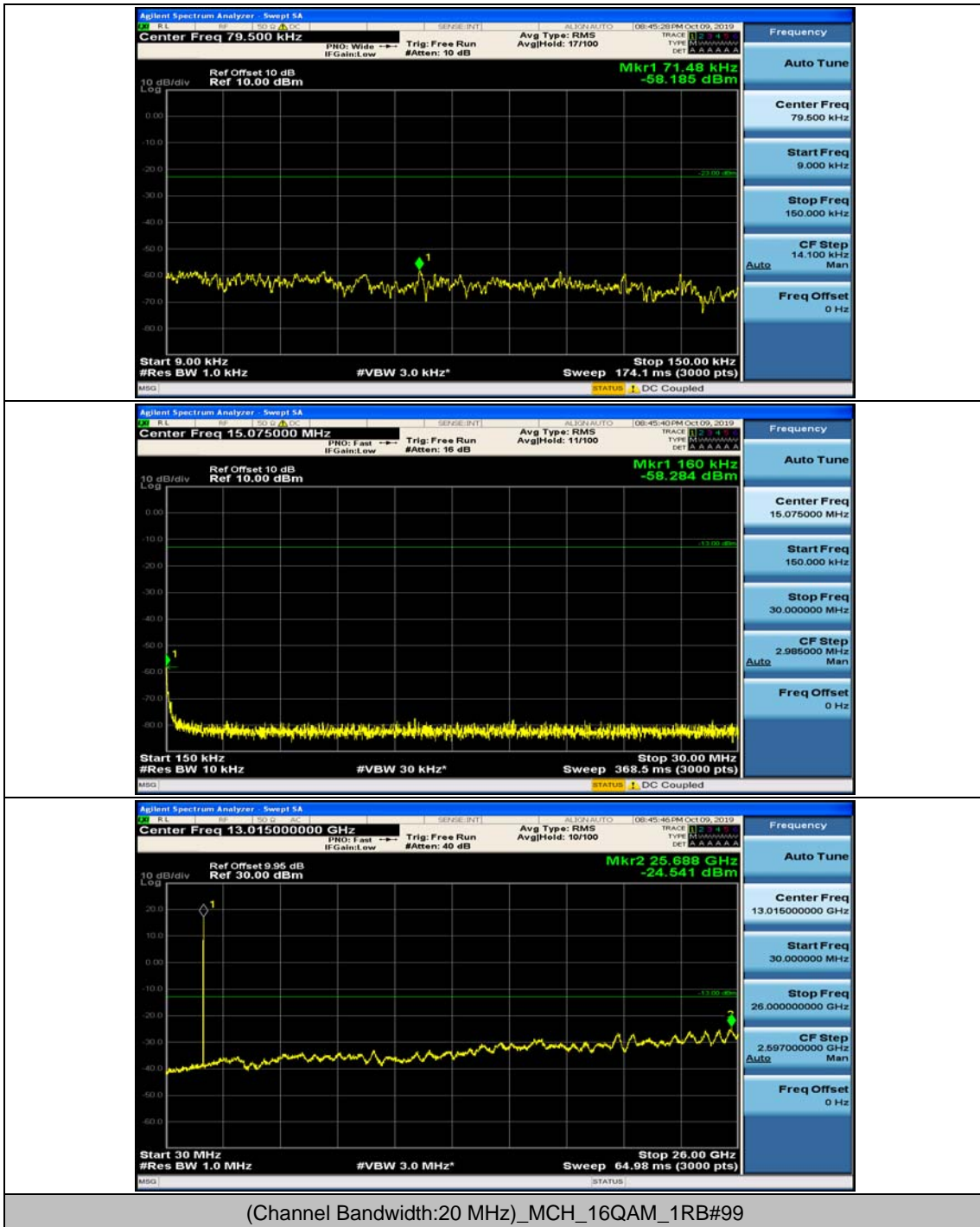


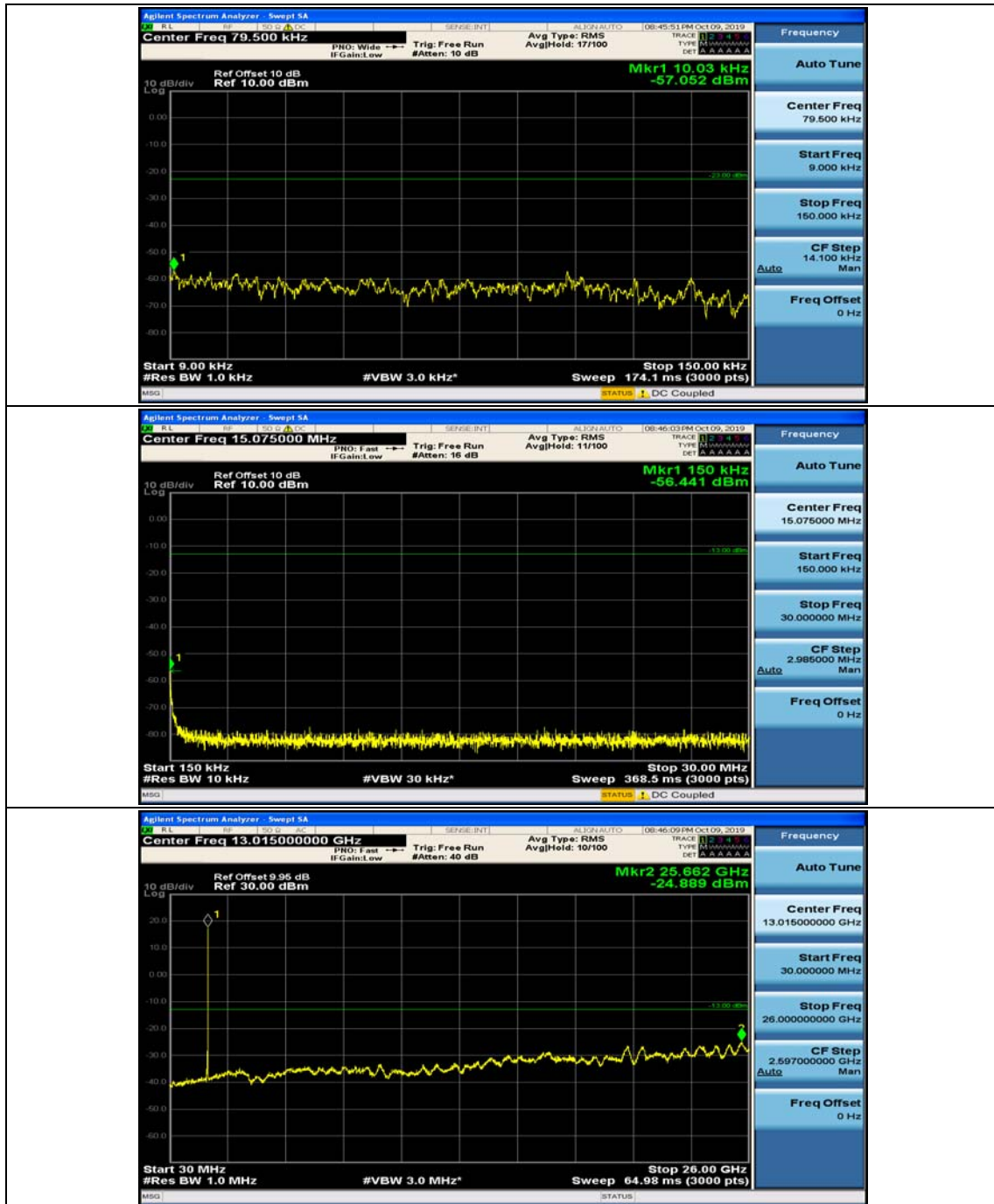


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

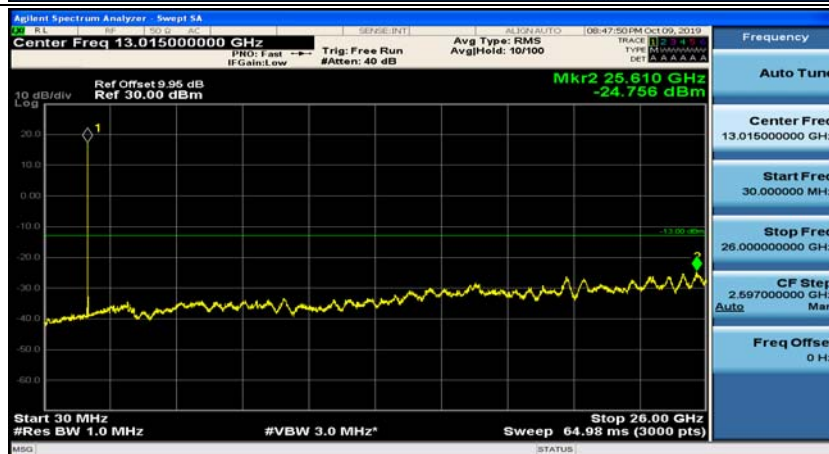
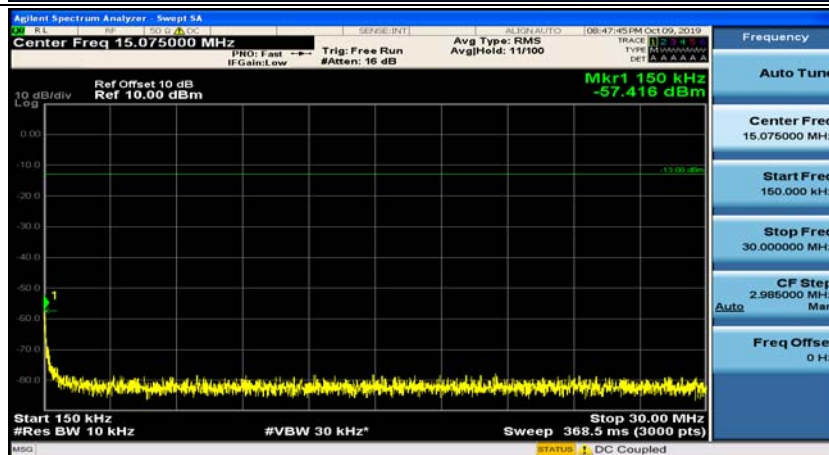
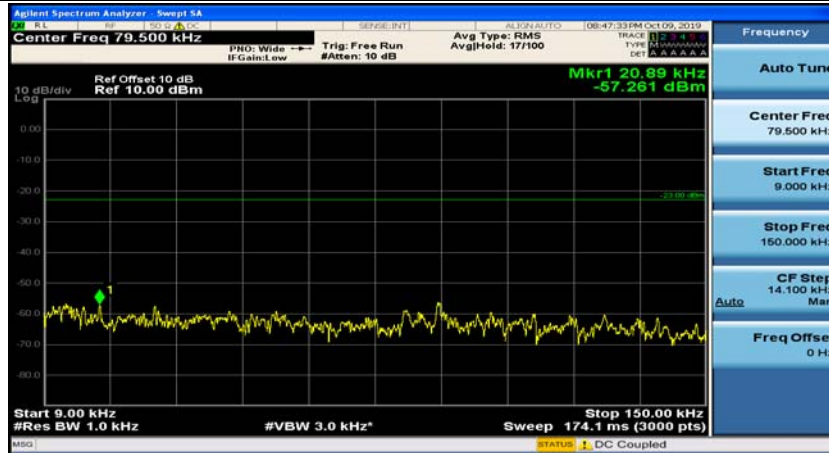


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

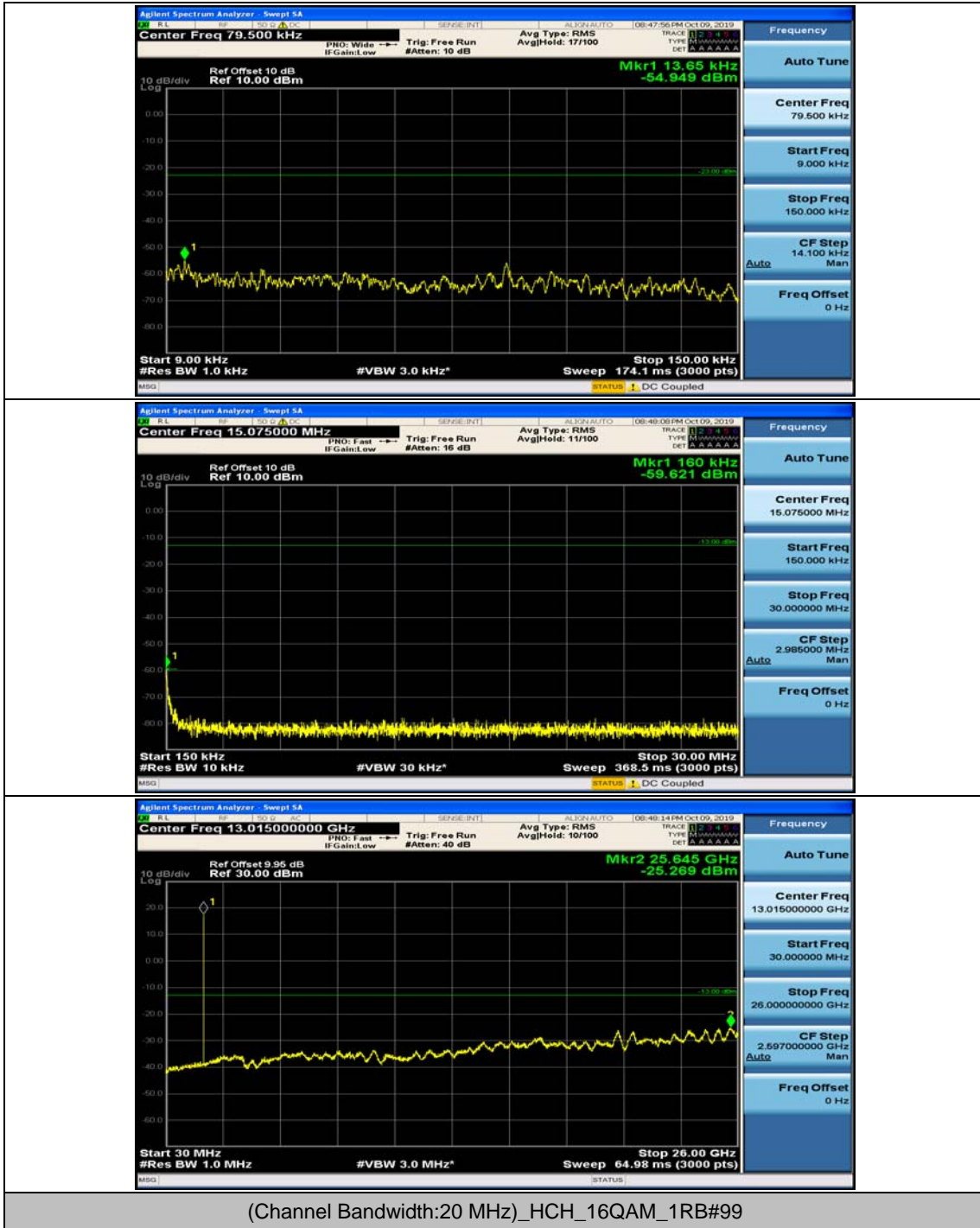


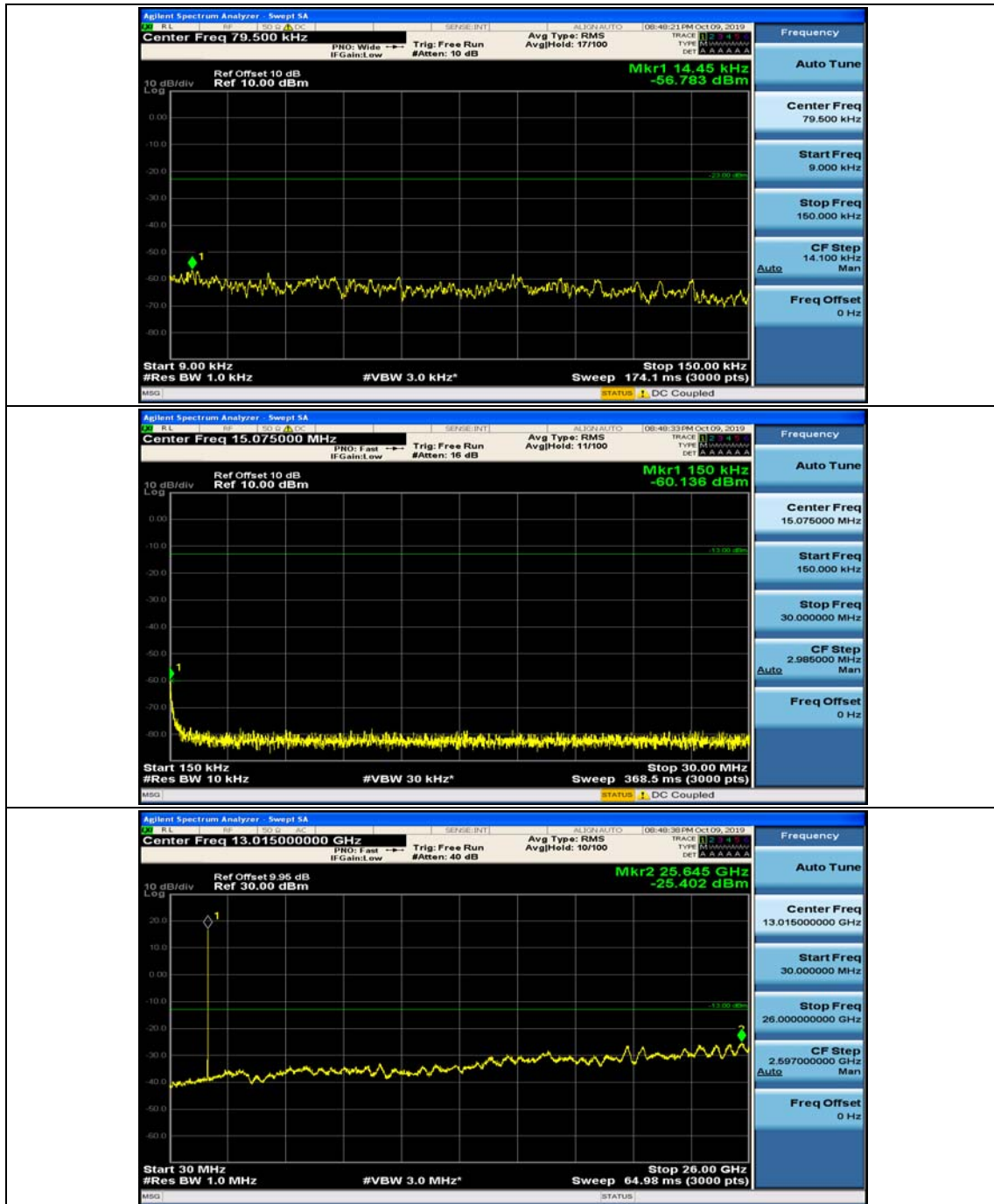


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	4.35	0.002543	± 2.5	PASS
		VN	TN	2.45	0.001432	± 2.5	PASS
		VH	TN	4.76	0.002782	± 2.5	PASS
	MCH	VL	TN	0.68	0.000392	± 2.5	PASS
		VN	TN	1.92	0.001108	± 2.5	PASS
		VH	TN	4.19	0.002418	± 2.5	PASS
	HCH	VL	TN	-0.77	-0.000439	± 2.5	PASS
		VN	TN	-0.29	-0.000165	± 2.5	PASS
		VH	TN	3.43	0.001955	± 2.5	PASS
16QAM	LCH	VL	TN	4.48	0.002619	± 2.5	PASS
		VN	TN	3.68	0.002151	± 2.5	PASS
		VH	TN	0.64	0.000374	± 2.5	PASS
	MCH	VL	TN	0.42	0.000242	± 2.5	PASS
		VN	TN	4.49	0.002592	± 2.5	PASS
		VH	TN	0.83	0.000479	± 2.5	PASS
	HCH	VL	TN	0.17	0.000097	± 2.5	PASS
		VN	TN	-1.02	-0.000581	± 2.5	PASS
		VH	TN	-1.93	-0.001100	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.89	0.001689	± 2.5	PASS
		VN	-20	-0.28	-0.000164	± 2.5	PASS
		VN	-10	-1.02	-0.000596	± 2.5	PASS
		VN	0	-1.2	-0.000701	± 2.5	PASS
		VN	10	-1.23	-0.000719	± 2.5	PASS
		VN	20	0.33	0.000193	± 2.5	PASS
		VN	30	2.01	0.001175	± 2.5	PASS
		VN	40	-1.94	-0.001134	± 2.5	PASS
		VN	50	-1.17	-0.000684	± 2.5	PASS
	MCH	VN	-30	2.88	0.001662	± 2.5	PASS

		VN	-20	0.33	0.000190	± 2.5	PASS
		VN	-10	-0.16	-0.000092	± 2.5	PASS
		VN	0	4.85	0.002799	± 2.5	PASS
		VN	10	2.55	0.001472	± 2.5	PASS
		VN	20	-1.36	-0.000785	± 2.5	PASS
		VN	30	2.63	0.001518	± 2.5	PASS
		VN	40	-0.05	-0.000029	± 2.5	PASS
		VN	50	2.15	0.001241	± 2.5	PASS
	HCH	VN	-30	4.89	0.002787	± 2.5	PASS
		VN	-20	-1.76	-0.001003	± 2.5	PASS
		VN	-10	2.26	0.001288	± 2.5	PASS
		VN	0	1.27	0.000724	± 2.5	PASS
		VN	10	-1.41	-0.000804	± 2.5	PASS
		VN	20	1.56	0.000889	± 2.5	PASS
		VN	30	-1.06	-0.000604	± 2.5	PASS
		VN	40	3.89	0.002217	± 2.5	PASS
		VN	50	1.76	0.001003	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.29	-0.000754
VN	-20			-0.51	-0.000298	± 2.5	PASS
VN	-10			4.04	0.002362	± 2.5	PASS
VN	0			2.7	0.001578	± 2.5	PASS
VN	10			4.3	0.002514	± 2.5	PASS
VN	20			3.32	0.001941	± 2.5	PASS
VN	30			0.35	0.000205	± 2.5	PASS
VN	40			-0.86	-0.000503	± 2.5	PASS
VN	50			-0.21	-0.000123	± 2.5	PASS
MCH	VN		-30	0.58	0.000331	± 2.5	PASS
	VN		-20	-0.74	-0.000422	± 2.5	PASS
	VN		-10	-1.39	-0.000792	± 2.5	PASS
	VN		0	4.37	0.002491	± 2.5	PASS
	VN		10	1.77	0.001009	± 2.5	PASS
	VN		20	1.84	0.001049	± 2.5	PASS
	VN		30	0.08	0.000046	± 2.5	PASS
	VN		40	4.72	0.002691	± 2.5	PASS
	VN		50	1.14	0.000650	± 2.5	PASS
HCH	VN		-30	-1.51	-0.000861	± 2.5	PASS
	VN		-20	1.7	0.000969	± 2.5	PASS
	VN		-10	3.04	0.001733	± 2.5	PASS
	VN		0	1.25	0.000713	± 2.5	PASS
	VN		10	4.29	0.002445	± 2.5	PASS
	VN		20	-0.48	-0.000274	± 2.5	PASS

		VN	30	2	0.001140	± 2.5	PASS
		VN	40	2.06	0.001174	± 2.5	PASS
		VN	50	3.68	0.002098	± 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	-0.46	-0.000269	± 2.5	PASS
		VN	TN	3.86	0.002255	± 2.5	PASS
		VH	TN	-0.41	-0.000240	± 2.5	PASS
	MCH	VL	TN	1.02	0.000589	± 2.5	PASS
		VN	TN	-1.73	-0.000999	± 2.5	PASS
		VH	TN	-0.03	-0.000017	± 2.5	PASS
	HCH	VL	TN	-0.72	-0.000411	± 2.5	PASS
		VN	TN	-1.08	-0.000616	± 2.5	PASS
		VH	TN	4.09	0.002332	± 2.5	PASS
16QAM	LCH	VL	TN	-0.83	-0.000485	± 2.5	PASS
		VN	TN	2.94	0.001718	± 2.5	PASS
		VH	TN	1.95	0.001139	± 2.5	PASS
	MCH	VL	TN	-1.55	-0.000895	± 2.5	PASS
		VN	TN	1.06	0.000612	± 2.5	PASS
		VH	TN	0.59	0.000341	± 2.5	PASS
	HCH	VL	TN	0.64	0.000365	± 2.5	PASS
		VN	TN	3.68	0.002099	± 2.5	PASS
		VH	TN	-1.25	-0.000713	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.23	0.000719	± 2.5	PASS
		VN	-20	1.27	0.000742	± 2.5	PASS
		VN	-10	-1.49	-0.000871	± 2.5	PASS
		VN	0	1.83	0.001070	± 2.5	PASS
		VN	10	0.22	0.000129	± 2.5	PASS
		VN	20	0.18	0.000105	± 2.5	PASS
		VN	30	4.81	0.002812	± 2.5	PASS
		VN	40	3.67	0.002145	± 2.5	PASS
		VN	50	-0.84	-0.000491	± 2.5	PASS
	MCH	VN	-30	-0.32	-0.000185	± 2.5	PASS
		VN	-20	2.76	0.001593	± 2.5	PASS

		VN	-10	1.57	0.000906	± 2.5	PASS	
		VN	0	2.84	0.001639	± 2.5	PASS	
		VN	10	4.33	0.002499	± 2.5	PASS	
		VN	20	2.54	0.001466	± 2.5	PASS	
		VN	30	-0.35	-0.000202	± 2.5	PASS	
		VN	40	-0.16	-0.000092	± 2.5	PASS	
		VN	50	-1.36	-0.000785	± 2.5	PASS	
	HCH	VN	-30	0.79	0.000450	± 2.5	PASS	
		VN	-20	-0.34	-0.000194	± 2.5	PASS	
		VN	-10	0.57	0.000325	± 2.5	PASS	
		VN	0	1.14	0.000650	± 2.5	PASS	
		VN	10	-0.53	-0.000302	± 2.5	PASS	
		VN	20	4.82	0.002748	± 2.5	PASS	
		VN	30	4.34	0.002474	± 2.5	PASS	
	16QAM	LCH	VN	40	1.35	0.000770	± 2.5	PASS
			VN	50	4.75	0.002708	± 2.5	PASS
			VN	-30	0.08	0.000047	± 2.5	PASS
			VN	-20	3.99	0.002332	± 2.5	PASS
VN			-10	0.83	0.000485	± 2.5	PASS	
VN			0	-1.1	-0.000643	± 2.5	PASS	
VN			10	1.34	0.000783	± 2.5	PASS	
VN			20	2.14	0.001251	± 2.5	PASS	
VN			30	-1.59	-0.000929	± 2.5	PASS	
MCH		VN	40	0.41	0.000240	± 2.5	PASS	
		VN	50	3.05	0.001783	± 2.5	PASS	
		VN	-30	1.26	0.000718	± 2.5	PASS	
		VN	-20	-0.16	-0.000091	± 2.5	PASS	
		VN	-10	3.89	0.002217	± 2.5	PASS	
		VN	0	4.09	0.002331	± 2.5	PASS	
		VN	10	0.07	0.000040	± 2.5	PASS	
		VN	20	4.92	0.002805	± 2.5	PASS	
		VN	30	-0.04	-0.000023	± 2.5	PASS	
HCH	VN	40	1.42	0.000809	± 2.5	PASS		
	VN	50	4.38	0.002497	± 2.5	PASS		
	VN	-30	0.01	0.000006	± 2.5	PASS		
	VN	-20	-0.43	-0.000245	± 2.5	PASS		
	VN	-10	0.97	0.000553	± 2.5	PASS		
	VN	0	1.19	0.000678	± 2.5	PASS		
	VN	10	2.49	0.001419	± 2.5	PASS		
VN	20	4.21	0.002400	± 2.5	PASS			
VN	30	2.03	0.001157	± 2.5	PASS			

		VN	40	2.71	0.001545	± 2.5	PASS
		VN	50	-1.81	-0.001032	± 2.5	PASS

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	-1.52	-0.000888	± 2.5	PASS
		VN	TN	0.18	0.000105	± 2.5	PASS
		VH	TN	4.49	0.002622	± 2.5	PASS
	MCH	VL	TN	1.33	0.000768	± 2.5	PASS
		VN	TN	0.55	0.000317	± 2.5	PASS
		VH	TN	1.58	0.000912	± 2.5	PASS
	HCH	VL	TN	4.54	0.002591	± 2.5	PASS
		VN	TN	-0.81	-0.000462	± 2.5	PASS
		VH	TN	4.84	0.002762	± 2.5	PASS
16QAM	LCH	VL	TN	2.46	0.001436	± 2.5	PASS
		VN	TN	-1.57	-0.000917	± 2.5	PASS
		VH	TN	0.34	0.000199	± 2.5	PASS
	MCH	VL	TN	0.18	0.000104	± 2.5	PASS
		VN	TN	3.61	0.002084	± 2.5	PASS
		VH	TN	1.49	0.000860	± 2.5	PASS
	HCH	VL	TN	0.85	0.000485	± 2.5	PASS
		VN	TN	-0.06	-0.000034	± 2.5	PASS
		VH	TN	3.09	0.001763	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.76	0.002780	± 2.5	PASS
		VN	-20	4	0.002336	± 2.5	PASS
		VN	-10	-0.74	-0.000432	± 2.5	PASS
		VN	0	-0.87	-0.000508	± 2.5	PASS
		VN	10	4.47	0.002610	± 2.5	PASS
		VN	20	-1.36	-0.000794	± 2.5	PASS
		VN	30	3.01	0.001758	± 2.5	PASS
		VN	40	2.08	0.001215	± 2.5	PASS
		VN	50	-1.03	-0.000601	± 2.5	PASS
	MCH	VN	-30	1.72	0.000993	± 2.5	PASS
		VN	-20	-0.86	-0.000496	± 2.5	PASS
		VN	-10	0.29	0.000167	± 2.5	PASS

	VN	0	0.42	0.000242	± 2.5	PASS			
		10	4.39	0.002534	± 2.5	PASS			
		20	1.41	0.000814	± 2.5	PASS			
		30	2.01	0.001160	± 2.5	PASS			
		40	-1.3	-0.000750	± 2.5	PASS			
		50	-0.06	-0.000035	± 2.5	PASS			
	HCH	VN	-30	0.02	0.000011	± 2.5	PASS		
		VN	-20	-0.86	-0.000451	± 2.5	PASS		
		VN	-10	-0.71	-0.000372	± 2.5	PASS		
		VN	0	-0.99	-0.000519	± 2.5	PASS		
		VN	10	3.44	0.001803	± 2.5	PASS		
		VN	20	4.43	0.002322	± 2.5	PASS		
		VN	30	0.37	0.000194	± 2.5	PASS		
		VN	40	2.46	0.001290	± 2.5	PASS		
		VN	50	0.53	0.000278	± 2.5	PASS		
		16QAM	LCH	VN	-30	4.55	0.002626	± 2.5	PASS
				VN	-20	-0.1	-0.000058	± 2.5	PASS
				VN	-10	0.94	0.000543	± 2.5	PASS
VN	0			1.24	0.000716	± 2.5	PASS		
VN	10			-1.55	-0.000895	± 2.5	PASS		
VN	20			0.62	0.000358	± 2.5	PASS		
VN	30			2.85	0.001645	± 2.5	PASS		
VN	40			1.93	0.001114	± 2.5	PASS		
VN	50			-0.19	-0.000110	± 2.5	PASS		
MCH	VN		-30	3.44	0.001963	± 2.5	PASS		
	VN		-20	0.93	0.000531	± 2.5	PASS		
	VN		-10	2.49	0.001421	± 2.5	PASS		
	VN		0	0.63	0.000359	± 2.5	PASS		
	VN		10	3.55	0.002026	± 2.5	PASS		
	VN		20	4.3	0.002454	± 2.5	PASS		
	VN		30	1.37	0.000782	± 2.5	PASS		
	VN		40	2.03	0.001158	± 2.5	PASS		
	VN		50	3.53	0.002014	± 2.5	PASS		
HCH	VN		-30	-0.06	-0.000031	± 2.5	PASS		
	VN		-20	4.11	0.002155	± 2.5	PASS		
	VN		-10	-1.83	-0.000959	± 2.5	PASS		
	VN		0	3.39	0.001777	± 2.5	PASS		
	VN		10	3.08	0.001615	± 2.5	PASS		
	VN		20	2.25	0.001180	± 2.5	PASS		
	VN		30	-0.38	-0.000199	± 2.5	PASS		
	VN		40	1.92	0.001007	± 2.5	PASS		

		VN	50	-1.1	-0.000577	± 2.5	PASS
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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	2.34	0.001364	± 2.5	PASS
		VN	TN	2.04	0.001190	± 2.5	PASS
		VH	TN	-1.23	-0.000717	± 2.5	PASS
	MCH	VL	TN	2.87	0.001657	± 2.5	PASS
		VN	TN	3.85	0.002222	± 2.5	PASS
		VH	TN	2.99	0.001726	± 2.5	PASS
	HCH	VL	TN	2.21	0.001263	± 2.5	PASS
		VN	TN	-0.95	-0.000543	± 2.5	PASS
		VH	TN	-0.89	-0.000509	± 2.5	PASS
16QAM	LCH	VL	TN	0.08	0.000047	± 2.5	PASS
		VN	TN	-0.25	-0.000146	± 2.5	PASS
		VH	TN	3.57	0.002082	± 2.5	PASS
	MCH	VL	TN	2.81	0.001622	± 2.5	PASS
		VN	TN	-1.94	-0.001120	± 2.5	PASS
		VH	TN	3.06	0.001766	± 2.5	PASS
	HCH	VL	TN	2.87	0.001640	± 2.5	PASS
		VN	TN	3.08	0.001760	± 2.5	PASS
		VH	TN	2.93	0.001674	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.7	0.001574	± 2.5	PASS
		VN	-20	4.29	0.002501	± 2.5	PASS
		VN	-10	-1.76	-0.001026	± 2.5	PASS
		VN	0	-0.63	-0.000367	± 2.5	PASS
		VN	10	-0.63	-0.000367	± 2.5	PASS
		VN	20	-0.66	-0.000385	± 2.5	PASS
		VN	30	-1.96	-0.001143	± 2.5	PASS
		VN	40	-0.72	-0.000420	± 2.5	PASS
		VN	50	1.36	0.000793	± 2.5	PASS
	MCH	VN	-30	2.81	0.001622	± 2.5	PASS
		VN	-20	2.62	0.001512	± 2.5	PASS
		VN	-10	2.69	0.001553	± 2.5	PASS
		VN	0	1.27	0.000733	± 2.5	PASS

		VN	10	0.4	0.000231	± 2.5	PASS
		VN	20	2.25	0.001299	± 2.5	PASS
		VN	30	-1.16	-0.000670	± 2.5	PASS
		VN	40	1.36	0.000785	± 2.5	PASS
		VN	50	4.47	0.002580	± 2.5	PASS
	HCH	VN	-30	0.44	0.000251	± 2.5	PASS
		VN	-20	-0.44	-0.000251	± 2.5	PASS
		VN	-10	0.04	0.000023	± 2.5	PASS
		VN	0	3.39	0.001937	± 2.5	PASS
		VN	10	-1.28	-0.000731	± 2.5	PASS
		VN	20	4.98	0.002846	± 2.5	PASS
		VN	30	2.44	0.001394	± 2.5	PASS
		VN	40	2.08	0.001189	± 2.5	PASS
		VN	50	3.34	0.001909	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.18	-0.000681
VN	-20			1.56	0.000900	± 2.5	PASS
VN	-10			1.41	0.000814	± 2.5	PASS
VN	0			-1.52	-0.000877	± 2.5	PASS
VN	10			1.86	0.001074	± 2.5	PASS
VN	20			3.39	0.001957	± 2.5	PASS
VN	30			-1.84	-0.001062	± 2.5	PASS
VN	40			2.07	0.001195	± 2.5	PASS
VN	50			1.63	0.000941	± 2.5	PASS
MCH	VN		-30	1.36	0.000777	± 2.5	PASS
	VN		-20	2.59	0.001480	± 2.5	PASS
	VN		-10	1.39	0.000794	± 2.5	PASS
	VN		0	1.83	0.001046	± 2.5	PASS
	VN		10	-1.19	-0.000680	± 2.5	PASS
	VN		20	-0.35	-0.000200	± 2.5	PASS
	VN		30	-1.13	-0.000646	± 2.5	PASS
	VN		40	4.29	0.002451	± 2.5	PASS
	VN		50	2.8	0.001600	± 2.5	PASS
HCH	VN		-30	-1.43	-0.000817	± 2.5	PASS
	VN		-20	3.98	0.002274	± 2.5	PASS
	VN		-10	4.37	0.002497	± 2.5	PASS
	VN		0	0.99	0.000566	± 2.5	PASS
	VN		10	3.3	0.001886	± 2.5	PASS
	VN		20	-1.72	-0.000983	± 2.5	PASS
	VN		30	3.6	0.002057	± 2.5	PASS
	VN		40	-1.65	-0.000943	± 2.5	PASS
	VN		50	0.35	0.000200	± 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	4.66	0.002713	± 2.5	PASS
		VN	TN	-0.45	-0.000262	± 2.5	PASS
		VH	TN	4.06	0.002364	± 2.5	PASS
	MCH	VL	TN	0.44	0.000254	± 2.5	PASS
		VN	TN	-0.59	-0.000341	± 2.5	PASS
		VH	TN	2.66	0.001535	± 2.5	PASS
	HCH	VL	TN	4.3	0.002461	± 2.5	PASS
		VN	TN	1.71	0.000979	± 2.5	PASS
		VH	TN	2.5	0.001431	± 2.5	PASS
16QAM	LCH	VL	TN	-0.26	-0.000151	± 2.5	PASS
		VN	TN	4.8	0.002795	± 2.5	PASS
		VH	TN	2.32	0.001351	± 2.5	PASS
	MCH	VL	TN	1.79	0.001033	± 2.5	PASS
		VN	TN	3.47	0.002003	± 2.5	PASS
		VH	TN	-0.46	-0.000266	± 2.5	PASS
	HCH	VL	TN	1.96	0.001122	± 2.5	PASS
		VN	TN	2.56	0.001465	± 2.5	PASS
		VH	TN	-0.81	-0.000464	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.37	0.001380	± 2.5	PASS
		VN	-20	-0.64	-0.000373	± 2.5	PASS
		VN	-10	3.81	0.002218	± 2.5	PASS
		VN	0	4.74	0.002760	± 2.5	PASS
		VN	10	4.62	0.002690	± 2.5	PASS
		VN	20	-1.53	-0.000891	± 2.5	PASS
		VN	30	4.35	0.002533	± 2.5	PASS
		VN	40	1.92	0.001118	± 2.5	PASS
		VN	50	1.61	0.000937	± 2.5	PASS
	MCH	VN	-30	0.29	0.000167	± 2.5	PASS
		VN	-20	-1.12	-0.000646	± 2.5	PASS
		VN	-10	4.97	0.002869	± 2.5	PASS
		VN	0	-1.68	-0.000970	± 2.5	PASS
		VN	10	-0.62	-0.000358	± 2.5	PASS
		VN	20	4.72	0.002724	± 2.5	PASS

		VN	30	2.53	0.001460	± 2.5	PASS
		VN	40	-0.53	-0.000306	± 2.5	PASS
		VN	50	3.06	0.001766	± 2.5	PASS
	HCH	VN	-30	-1.29	-0.000738	± 2.5	PASS
		VN	-20	2.83	0.001619	± 2.5	PASS
		VN	-10	-0.33	-0.000189	± 2.5	PASS
		VN	0	0.81	0.000464	± 2.5	PASS
		VN	10	4.91	0.002810	± 2.5	PASS
		VN	20	2.33	0.001333	± 2.5	PASS
		VN	30	4.82	0.002758	± 2.5	PASS
		VN	40	0.76	0.000435	± 2.5	PASS
		VN	50	1.82	0.001041	± 2.5	PASS
16QAM	LCH	VN	-30	3.91	0.002257	± 2.5	PASS
		VN	-20	-1.7	-0.000981	± 2.5	PASS
		VN	-10	-1.74	-0.001004	± 2.5	PASS
		VN	0	3.68	0.002124	± 2.5	PASS
		VN	10	-0.85	-0.000491	± 2.5	PASS
		VN	20	0.05	0.000029	± 2.5	PASS
		VN	30	4.74	0.002736	± 2.5	PASS
		VN	40	3.86	0.002228	± 2.5	PASS
		VN	50	-0.21	-0.000121	± 2.5	PASS
	MCH	VN	-30	3.78	0.002163	± 2.5	PASS
		VN	-20	2.97	0.001700	± 2.5	PASS
		VN	-10	1.77	0.001013	± 2.5	PASS
		VN	0	-0.15	-0.000086	± 2.5	PASS
		VN	10	2.31	0.001322	± 2.5	PASS
		VN	20	4.99	0.002856	± 2.5	PASS
		VN	30	4.27	0.002443	± 2.5	PASS
		VN	40	3.88	0.002220	± 2.5	PASS
		VN	50	-0.06	-0.000034	± 2.5	PASS
	HCH	VN	-30	0.41	0.000235	± 2.5	PASS
		VN	-20	3.59	0.002054	± 2.5	PASS
		VN	-10	3.82	0.002186	± 2.5	PASS
		VN	0	4.74	0.002712	± 2.5	PASS
		VN	10	3.9	0.002232	± 2.5	PASS
		VN	20	1.18	0.000675	± 2.5	PASS
		VN	30	-1.59	-0.000910	± 2.5	PASS
		VN	40	1.75	0.001001	± 2.5	PASS
		VN	50	-0.42	-0.000240	± 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	2.14	0.001244	± 2.5	PASS
		VN	TN	1.01	0.000587	± 2.5	PASS
		VH	TN	0.69	0.000401	± 2.5	PASS
	MCH	VL	TN	4.15	0.002395	± 2.5	PASS
		VN	TN	3.18	0.001835	± 2.5	PASS
		VH	TN	4.69	0.002707	± 2.5	PASS
	HCH	VL	TN	-0.79	-0.000453	± 2.5	PASS
		VN	TN	-1.76	-0.001009	± 2.5	PASS
		VH	TN	0.53	0.000304	± 2.5	PASS
16QAM	LCH	VL	TN	3.4	0.001977	± 2.5	PASS
		VN	TN	0.17	0.000099	± 2.5	PASS
		VH	TN	3.9	0.002267	± 2.5	PASS
	MCH	VL	TN	2.46	0.001420	± 2.5	PASS
		VN	TN	2.05	0.001183	± 2.5	PASS
		VH	TN	4.73	0.002730	± 2.5	PASS
	HCH	VL	TN	-1.48	-0.000848	± 2.5	PASS
		VN	TN	1.05	0.000602	± 2.5	PASS
		VH	TN	-0.56	-0.000321	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.22	0.000709	± 2.5	PASS
		VN	-20	-1.48	-0.000860	± 2.5	PASS
		VN	-10	0.93	0.000541	± 2.5	PASS
		VN	0	-0.06	-0.000035	± 2.5	PASS
		VN	10	3.61	0.002099	± 2.5	PASS
		VN	20	2.22	0.001291	± 2.5	PASS
		VN	30	4.51	0.002622	± 2.5	PASS
		VN	40	0.84	0.000488	± 2.5	PASS
	MCH	VN	50	0.48	0.000279	± 2.5	PASS
		VN	-30	1.49	0.000860	± 2.5	PASS
		VN	-20	2.47	0.001426	± 2.5	PASS
		VN	-10	1.87	0.001079	± 2.5	PASS
		VN	0	-0.74	-0.000427	± 2.5	PASS
		VN	10	-0.58	-0.000335	± 2.5	PASS
VN	20	-0.3	-0.000173	± 2.5	PASS		

		VN	30	-0.23	-0.000133	± 2.5	PASS
		VN	40	1.77	0.001022	± 2.5	PASS
		VN	50	4.17	0.002407	± 2.5	PASS
	HCH	VN	-30	4.72	0.002705	± 2.5	PASS
		VN	-20	-0.68	-0.000390	± 2.5	PASS
		VN	-10	-0.73	-0.000418	± 2.5	PASS
		VN	0	1.19	0.000682	± 2.5	PASS
		VN	10	2.71	0.001553	± 2.5	PASS
		VN	20	3.45	0.001977	± 2.5	PASS
		VN	30	1.24	0.000711	± 2.5	PASS
		VN	40	4.12	0.002361	± 2.5	PASS
		VN	50	2.52	0.001444	± 2.5	PASS
16QAM	LCH	VN	-30	-1.42	-0.000820	± 2.5	PASS
		VN	-20	2.49	0.001437	± 2.5	PASS
		VN	-10	4.69	0.002707	± 2.5	PASS
		VN	0	4.81	0.002776	± 2.5	PASS
		VN	10	2.69	0.001553	± 2.5	PASS
		VN	20	0.71	0.000410	± 2.5	PASS
		VN	30	2.65	0.001530	± 2.5	PASS
		VN	40	5	0.002886	± 2.5	PASS
		VN	50	2.28	0.001316	± 2.5	PASS
	MCH	VN	-30	2.06	0.001181	± 2.5	PASS
		VN	-20	-0.06	-0.000034	± 2.5	PASS
		VN	-10	-0.56	-0.000321	± 2.5	PASS
		VN	0	4.29	0.002458	± 2.5	PASS
		VN	10	-1.27	-0.000728	± 2.5	PASS
		VN	20	-0.12	-0.000069	± 2.5	PASS
		VN	30	3.59	0.002057	± 2.5	PASS
		VN	40	2.71	0.001553	± 2.5	PASS
		VN	50	-0.37	-0.000212	± 2.5	PASS
	HCH	VN	-30	0.62	0.000355	± 2.5	PASS
		VN	-20	-0.52	-0.000298	± 2.5	PASS
		VN	-10	4.29	0.002458	± 2.5	PASS
		VN	0	1.75	0.001003	± 2.5	PASS
		VN	10	4.66	0.002670	± 2.5	PASS
		VN	20	4.62	0.002648	± 2.5	PASS
		VN	30	0.07	0.000040	± 2.5	PASS
		VN	40	3.72	0.002132	± 2.5	PASS
		VN	50	3.84	0.002201	± 2.5	PASS