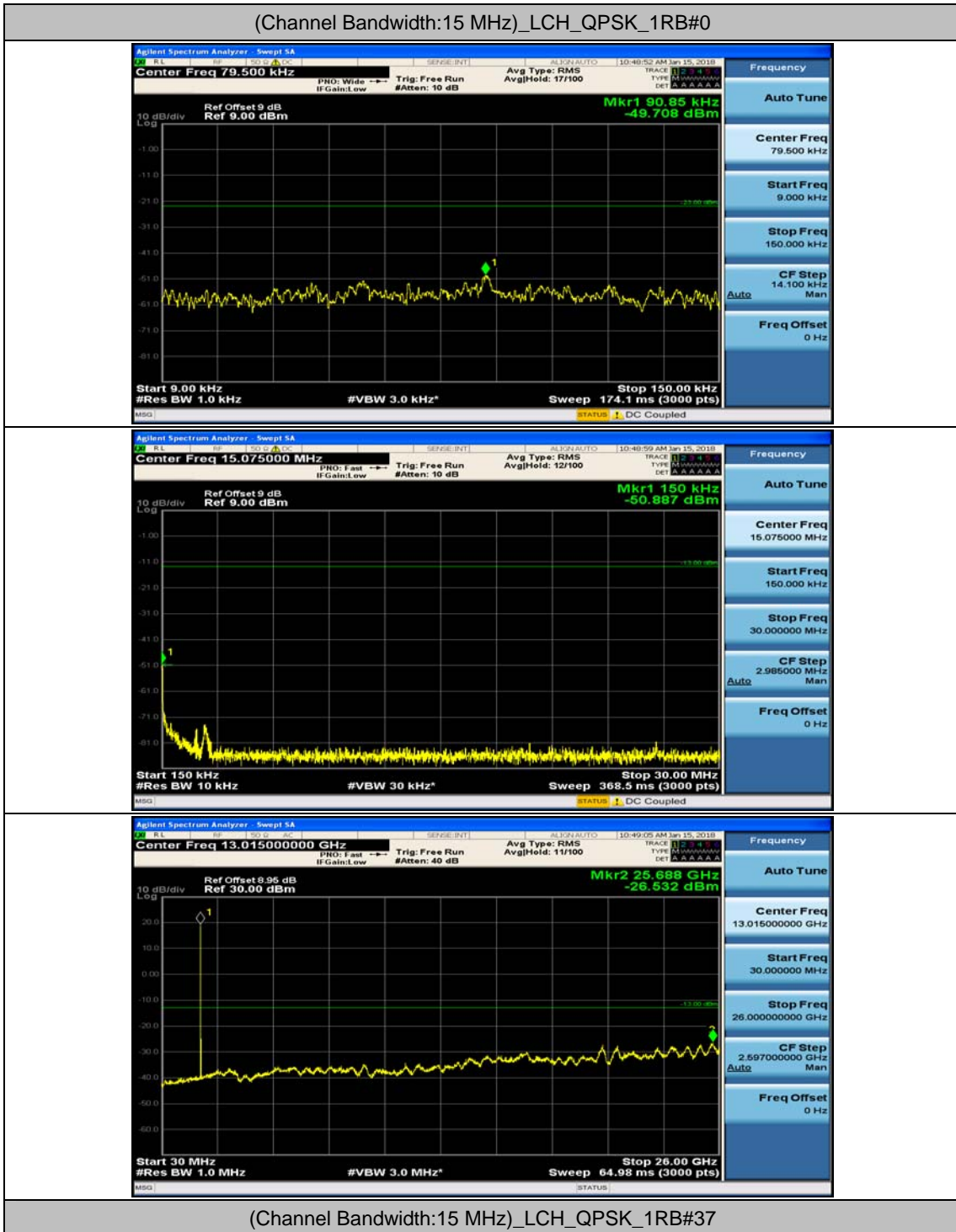
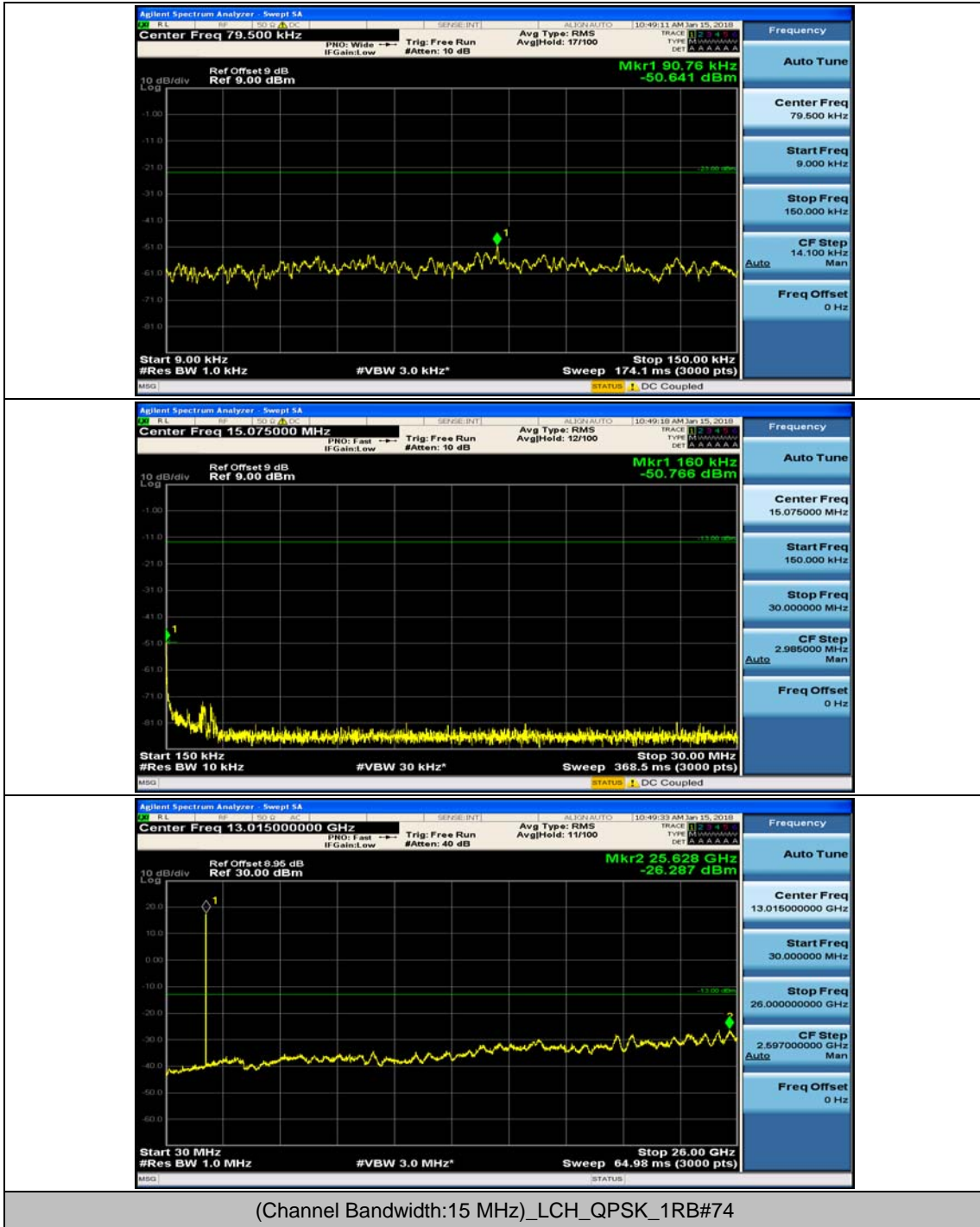
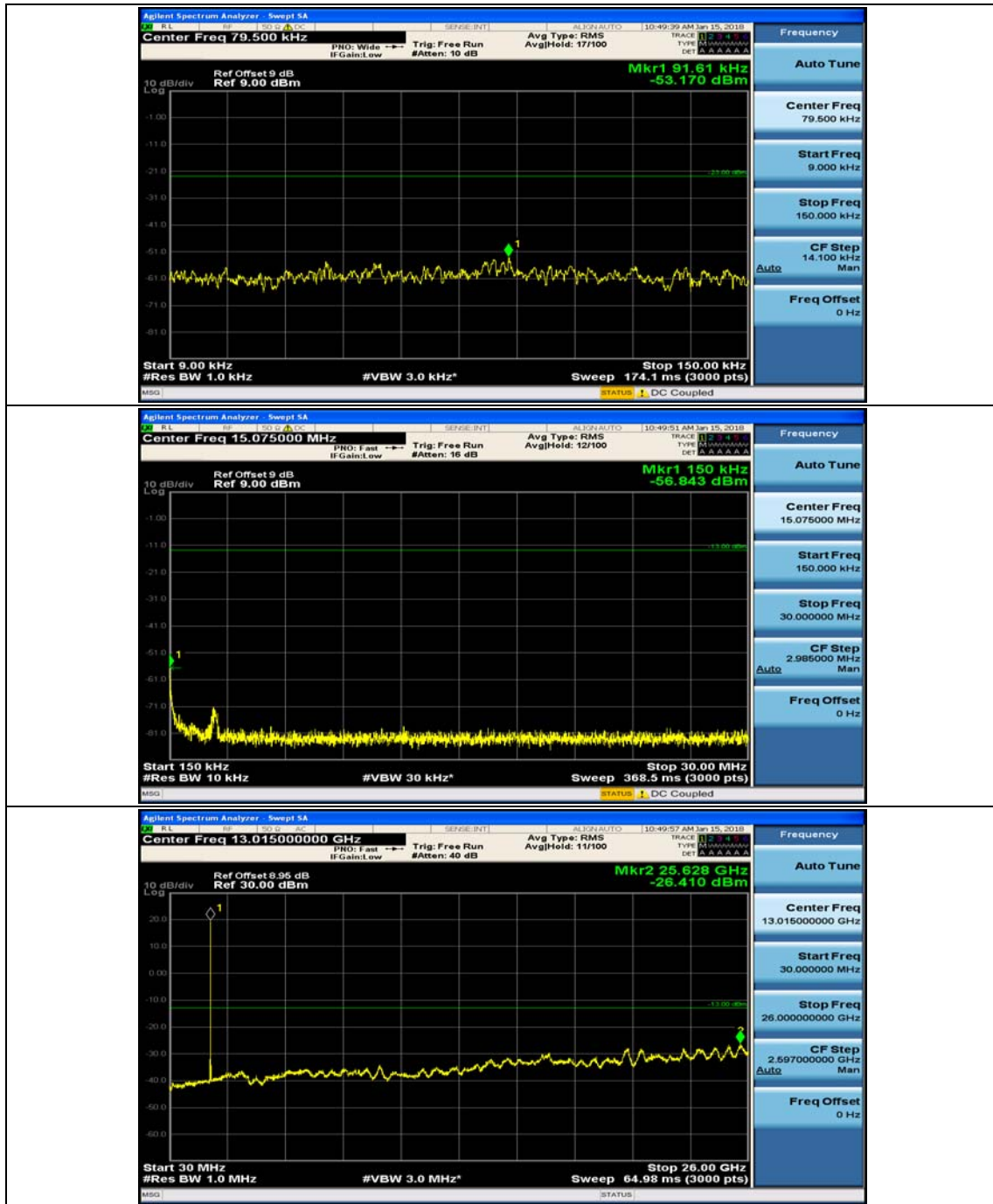


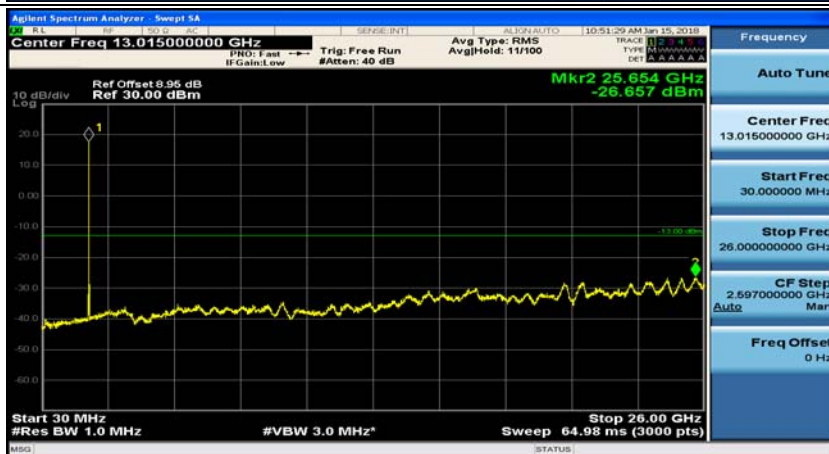
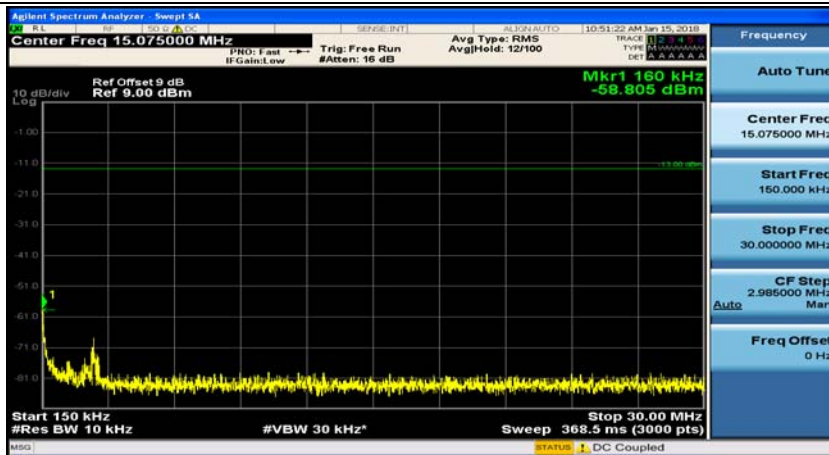
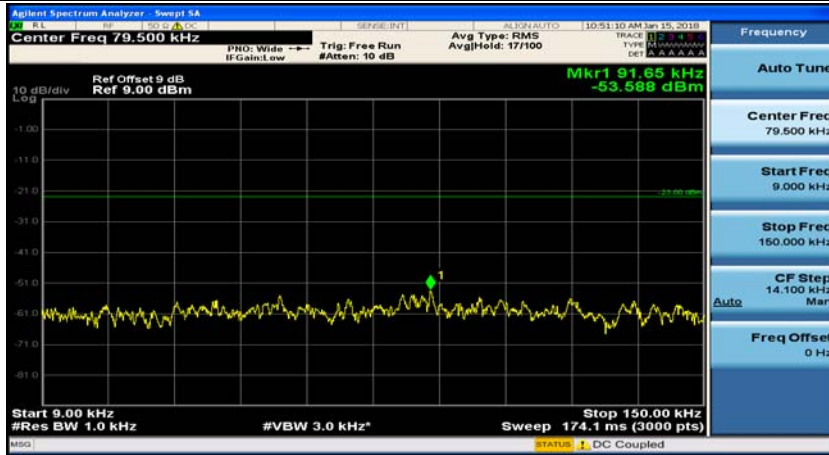
Channel Bandwidth: 15 MHz



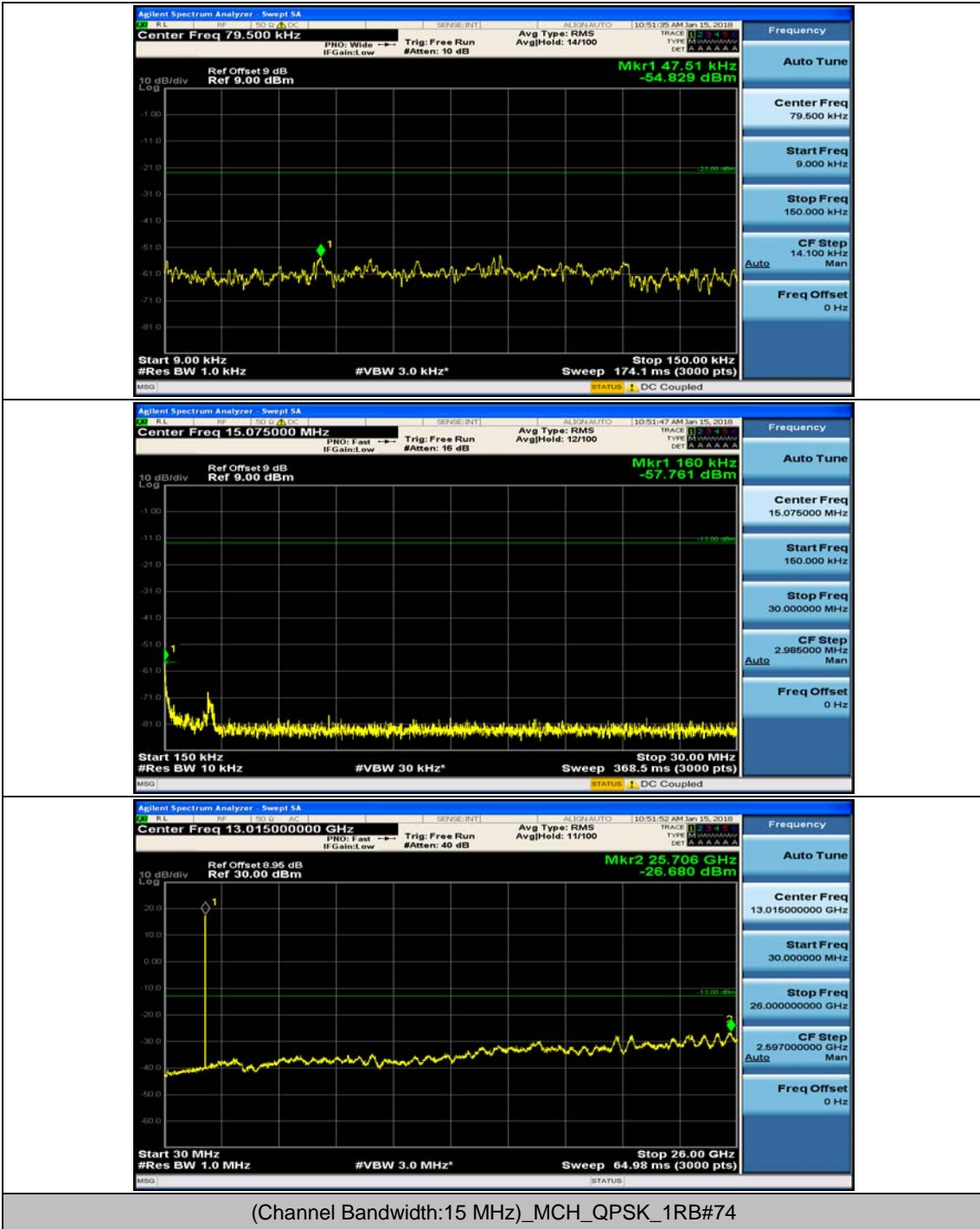


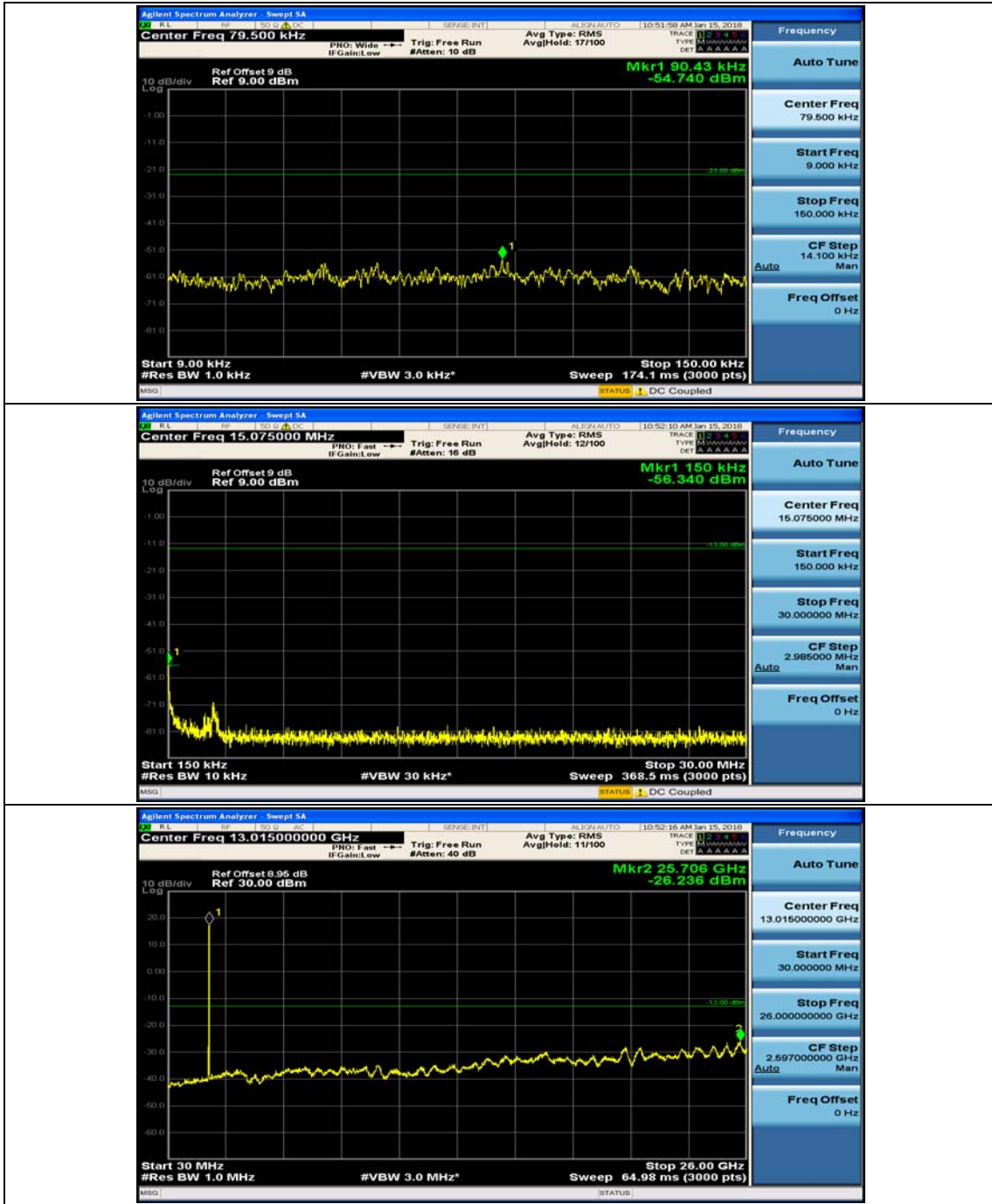


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

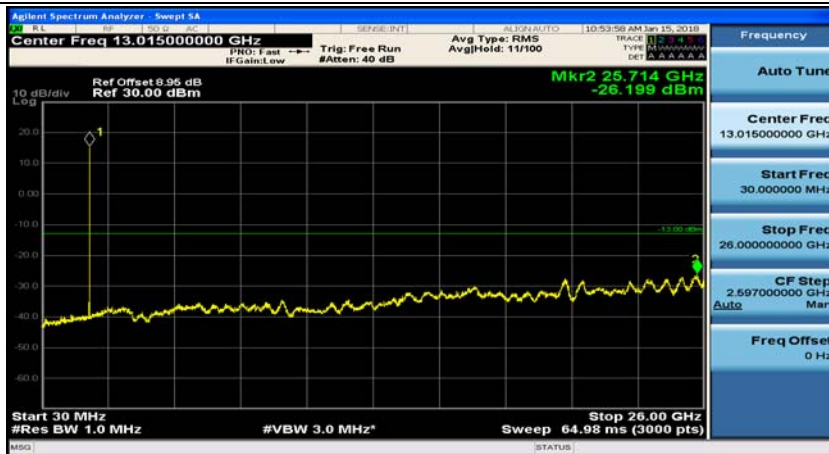
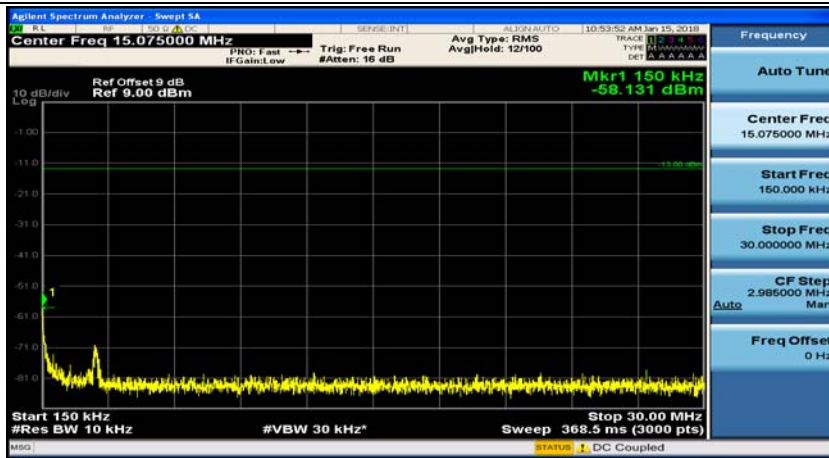
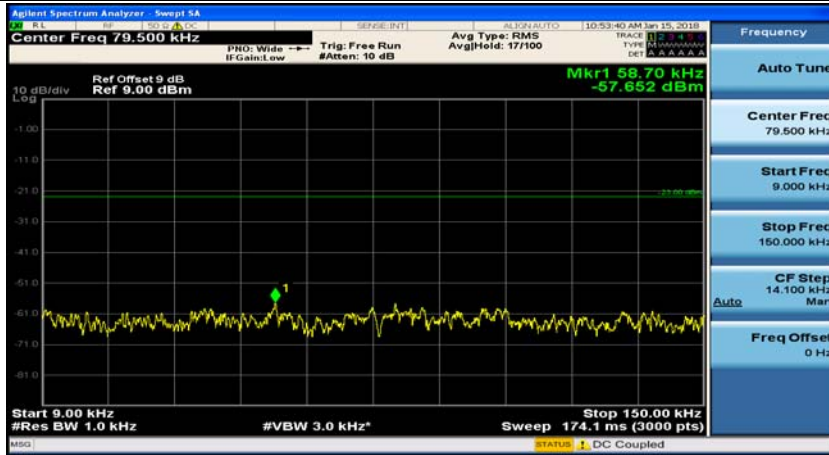


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

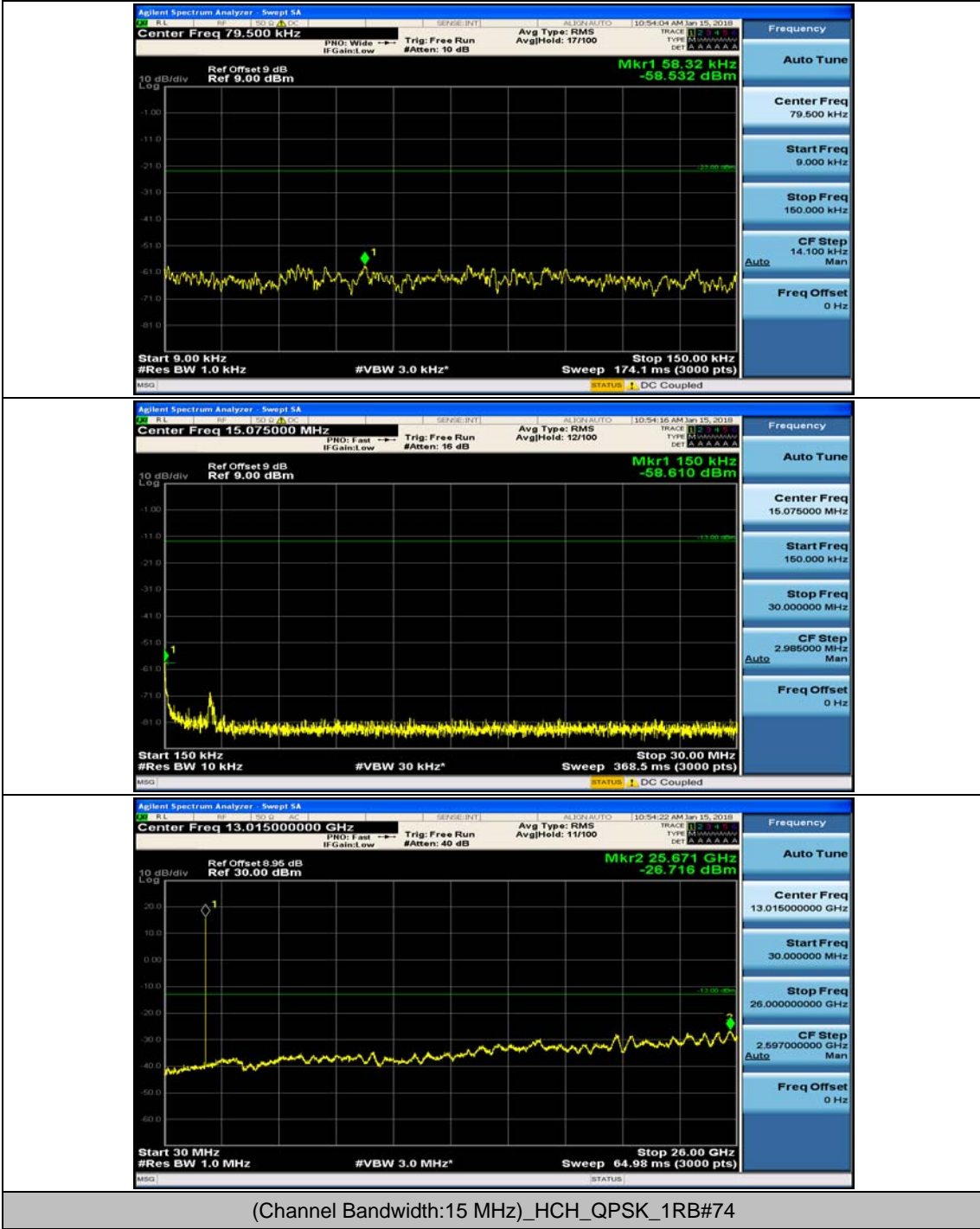


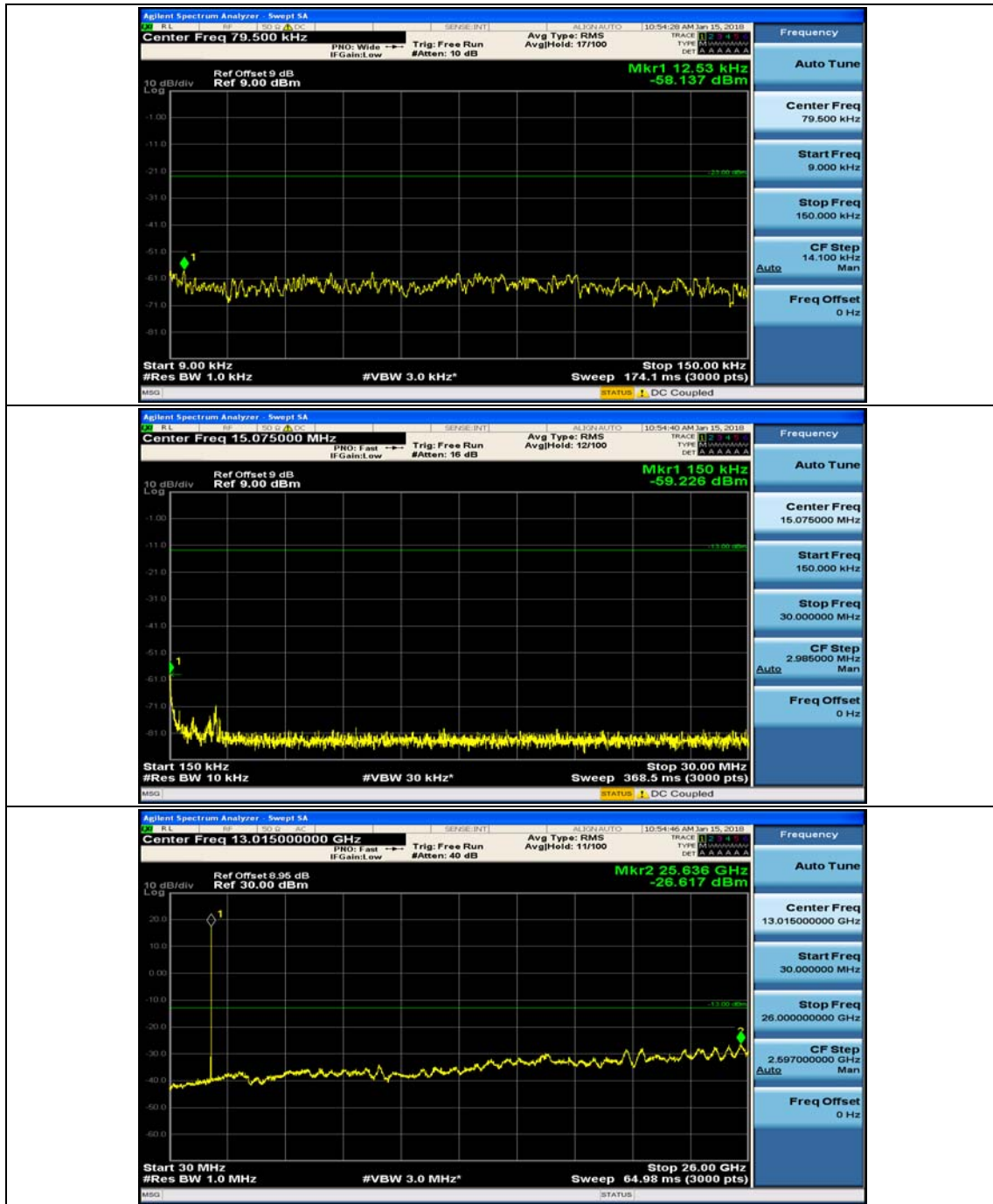


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

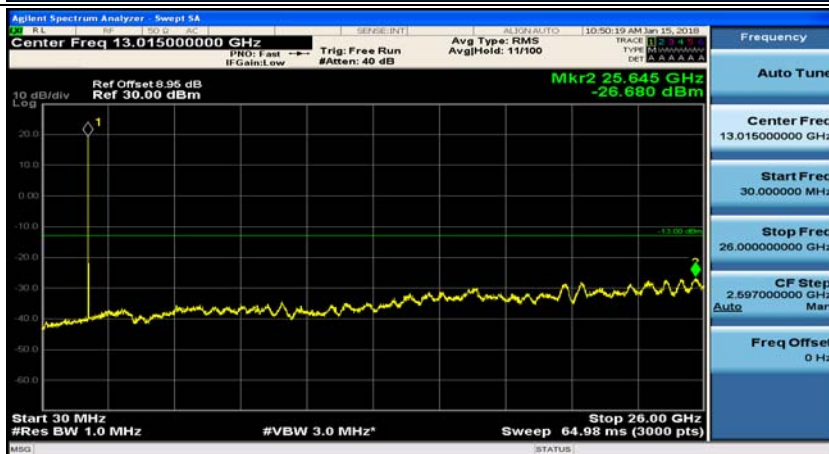
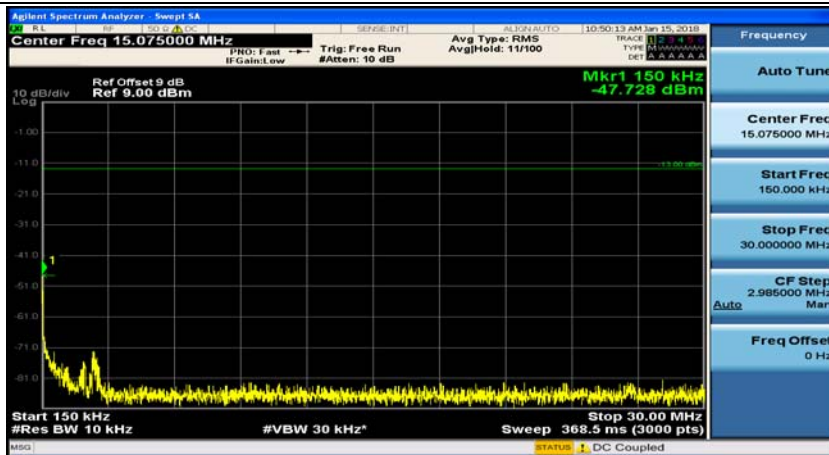


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

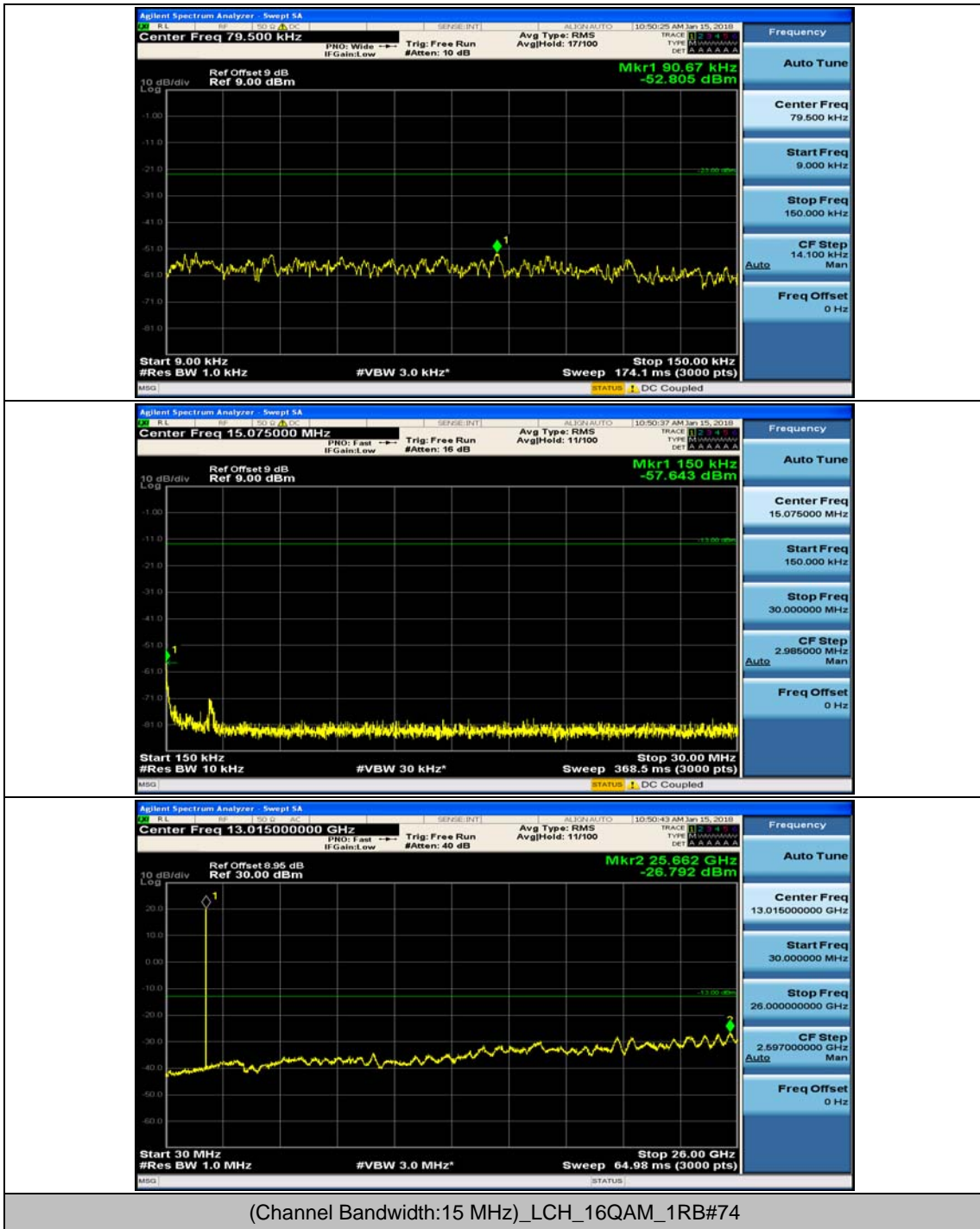


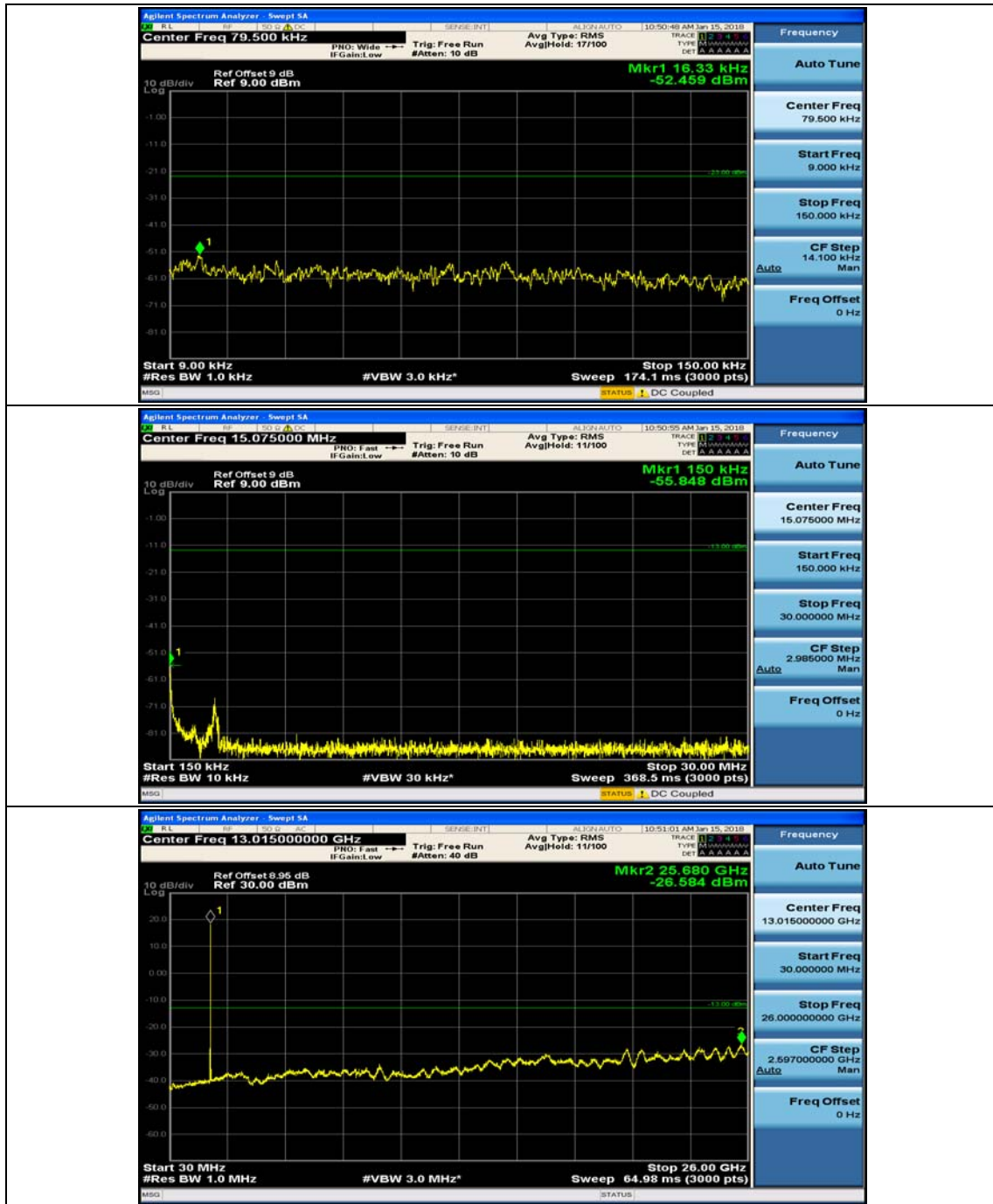


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

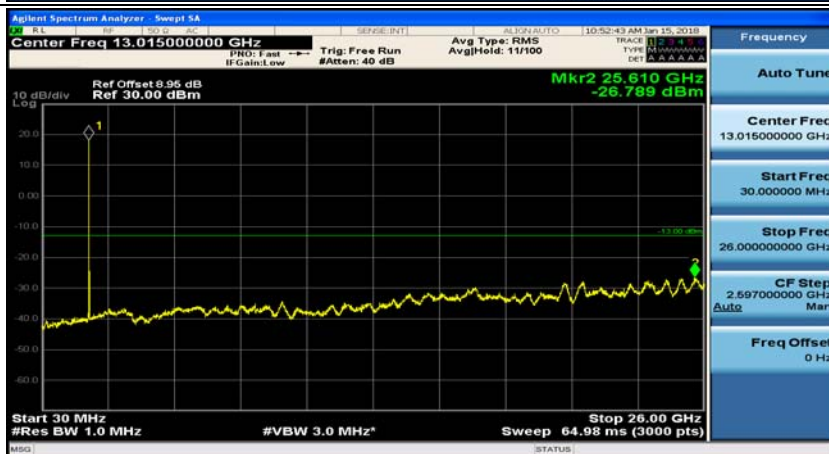
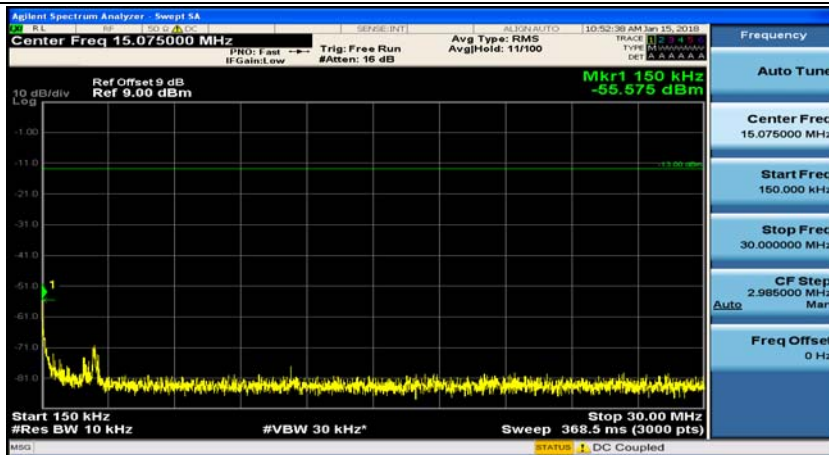
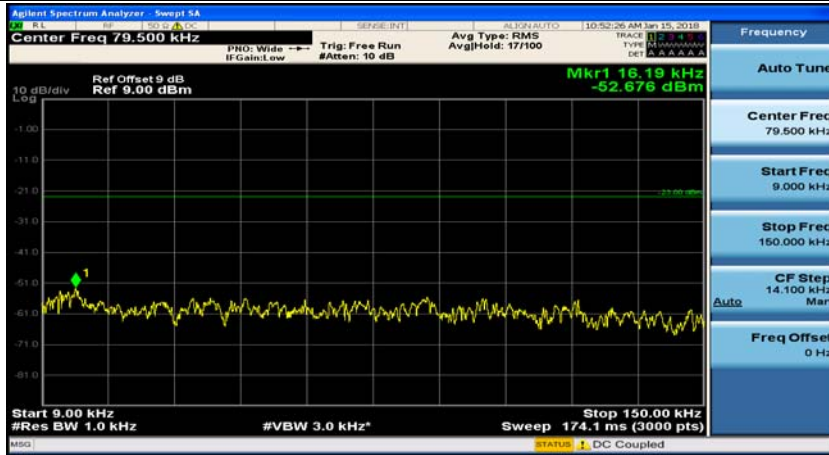


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

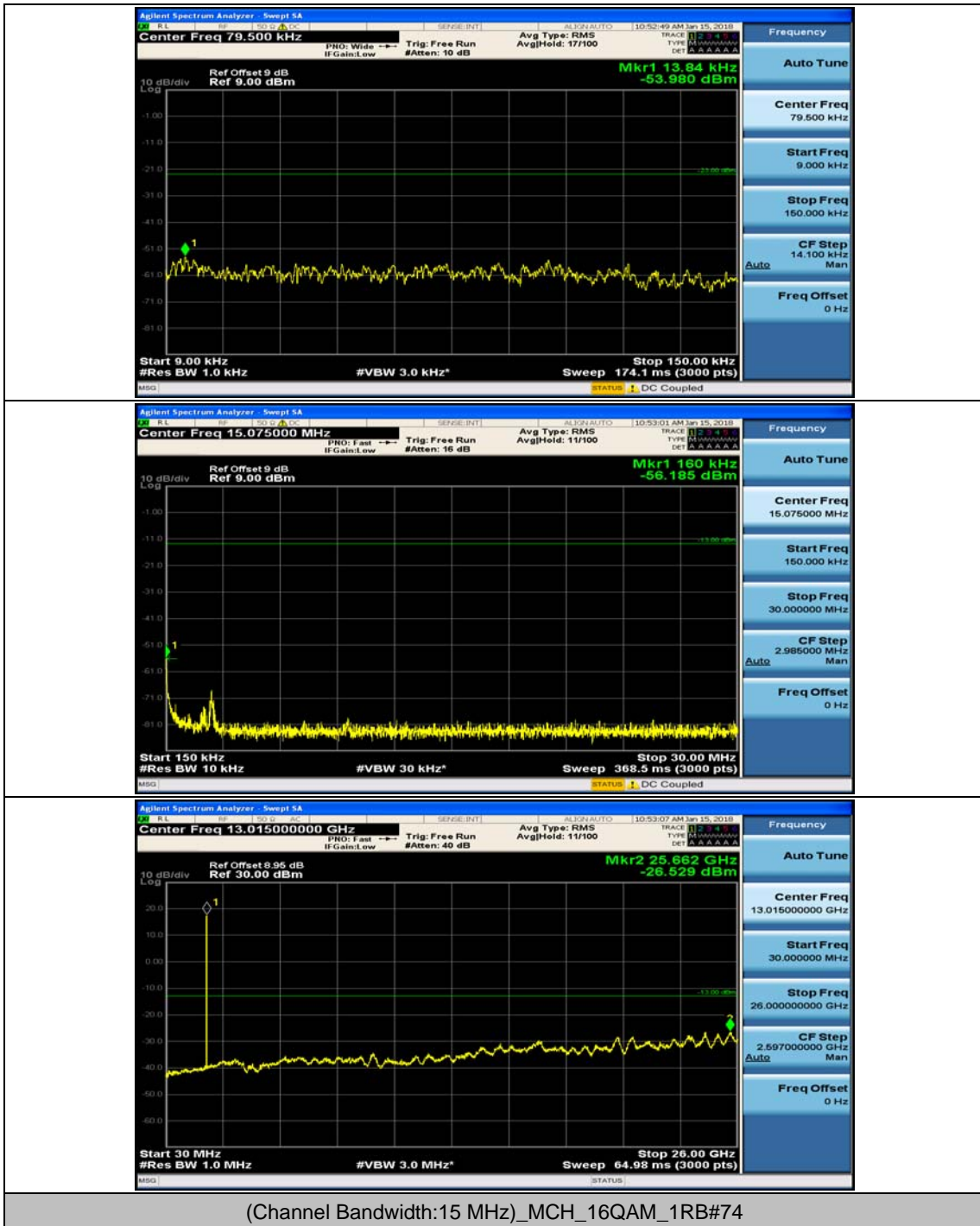


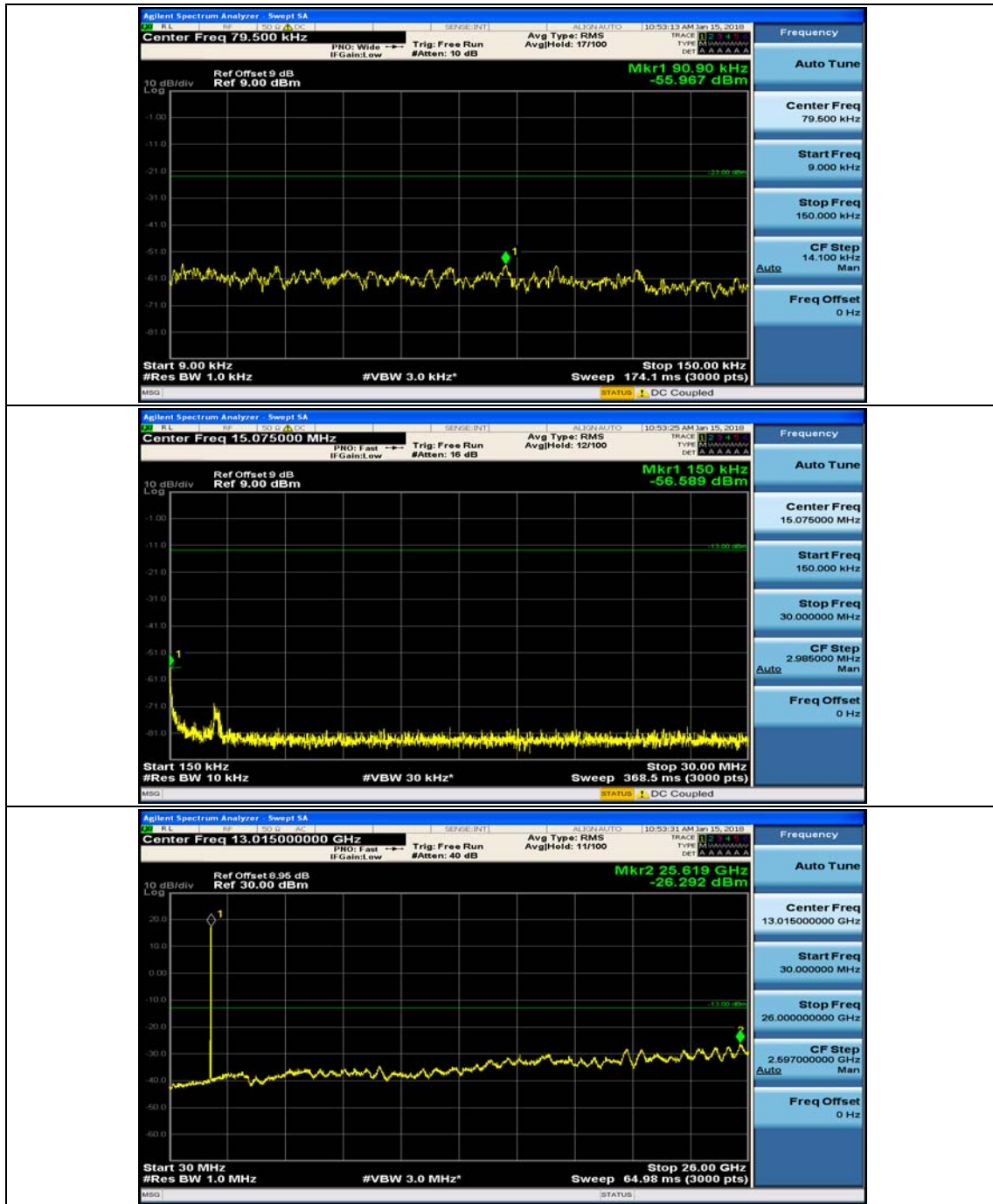


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

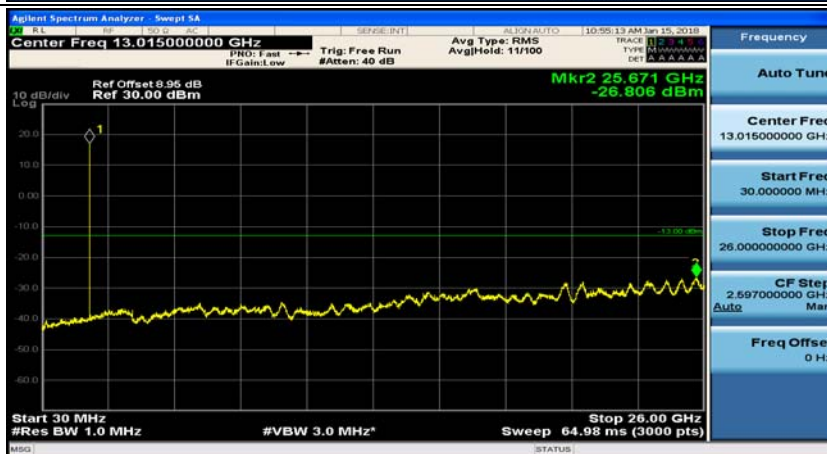
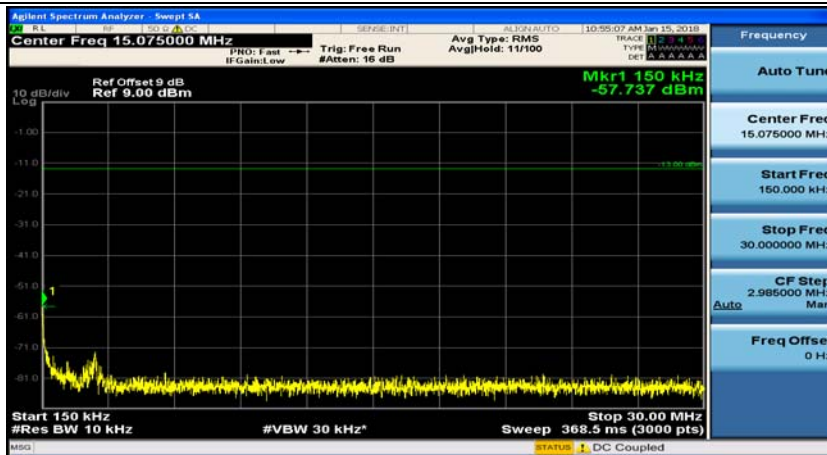


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

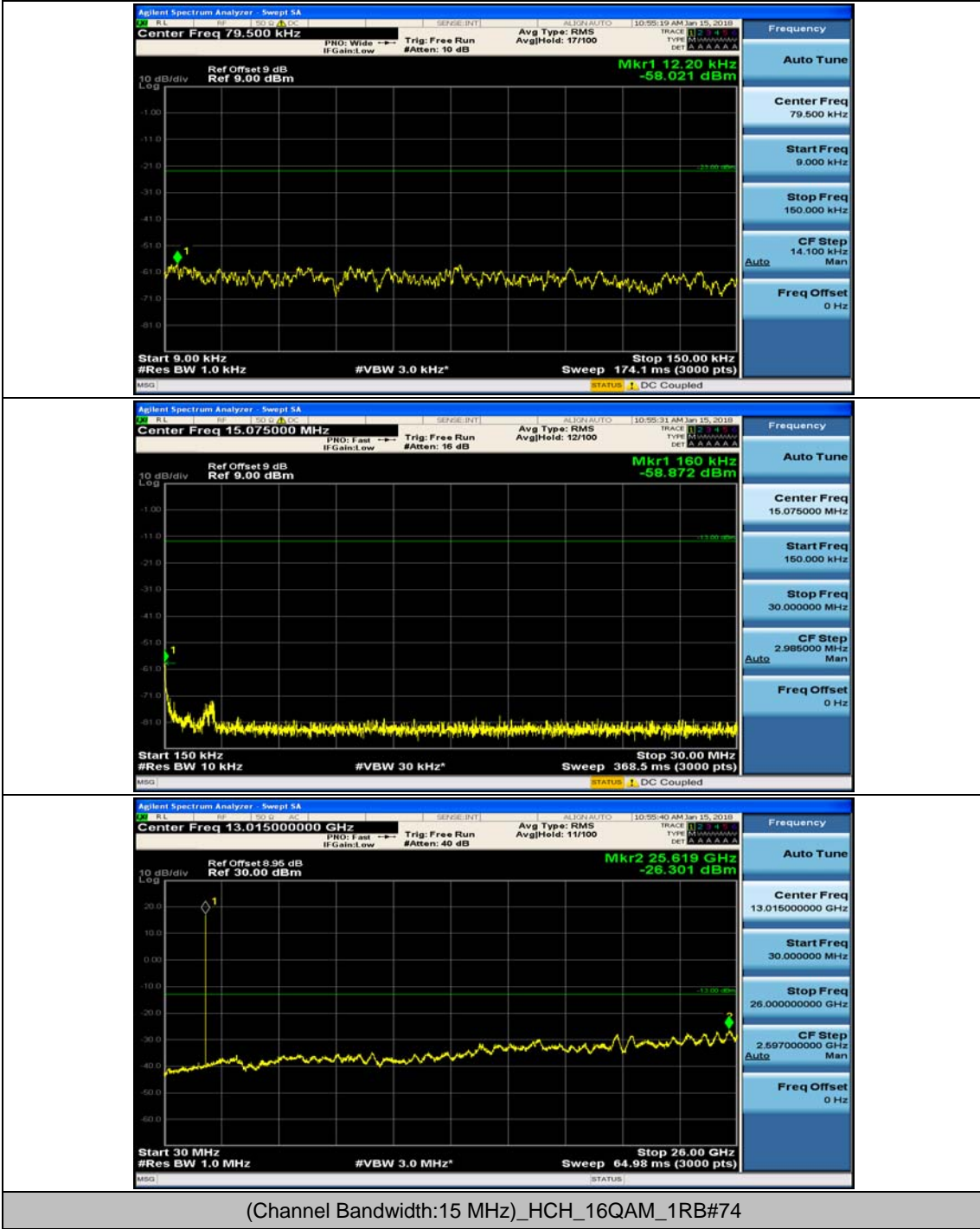


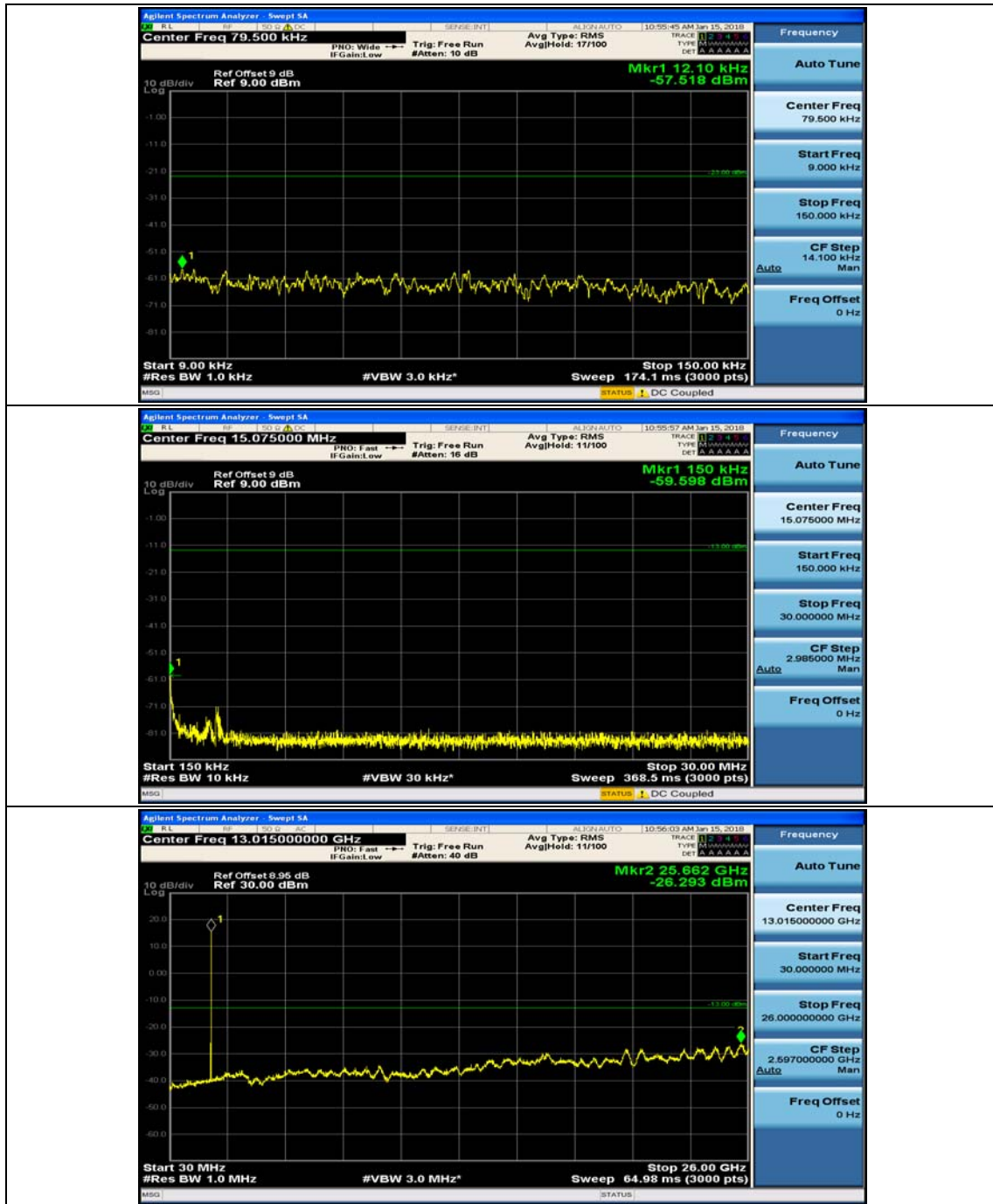


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

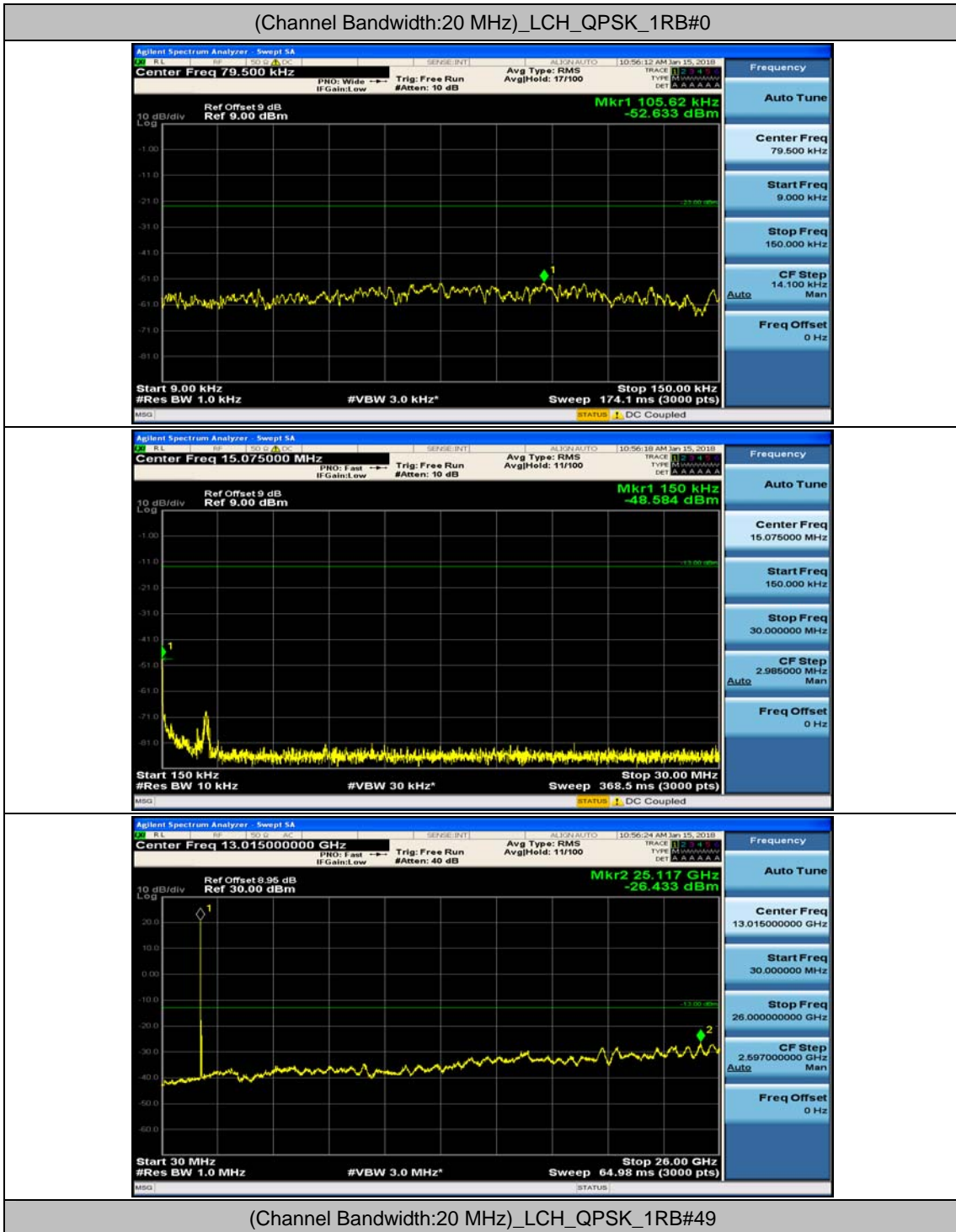


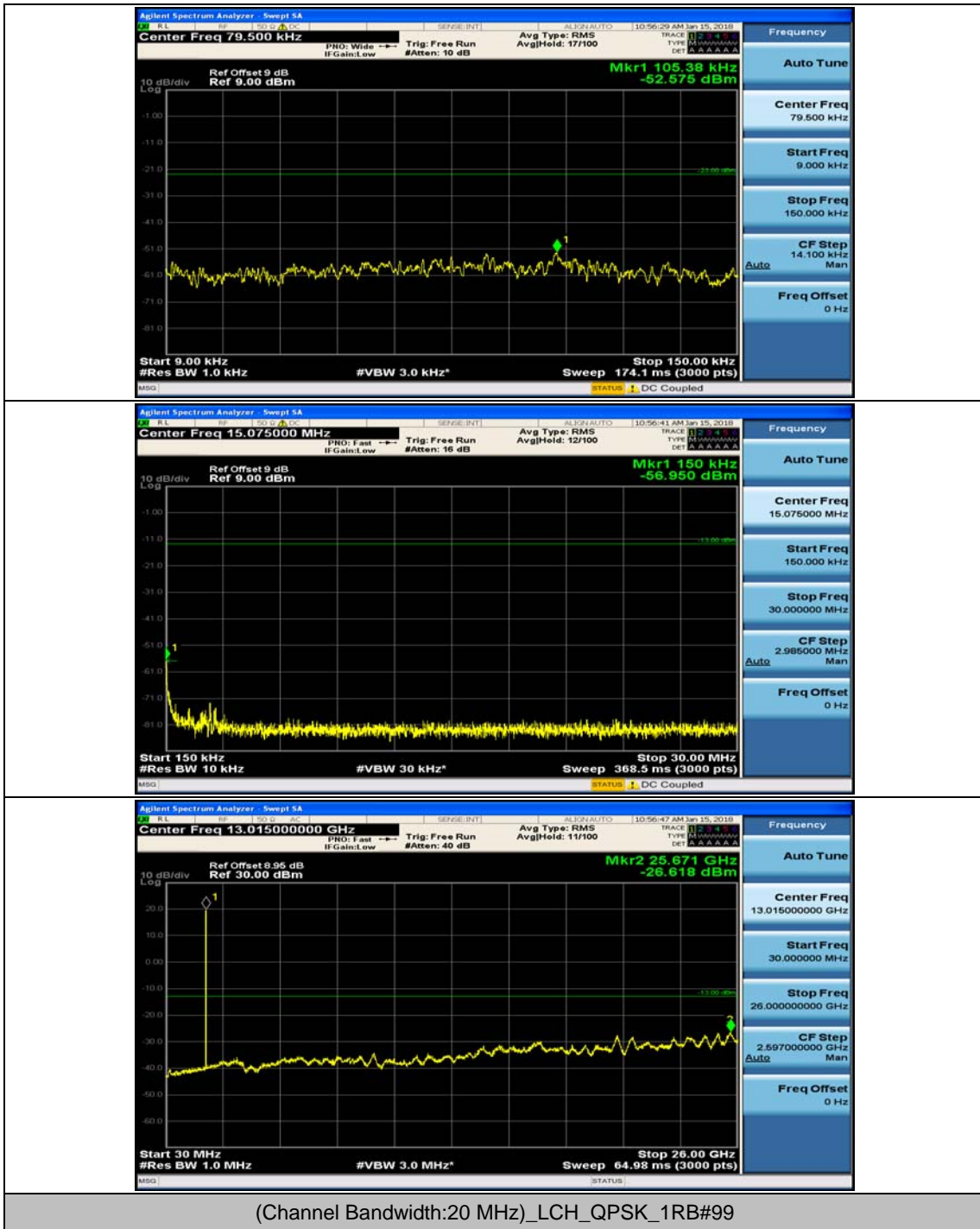
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

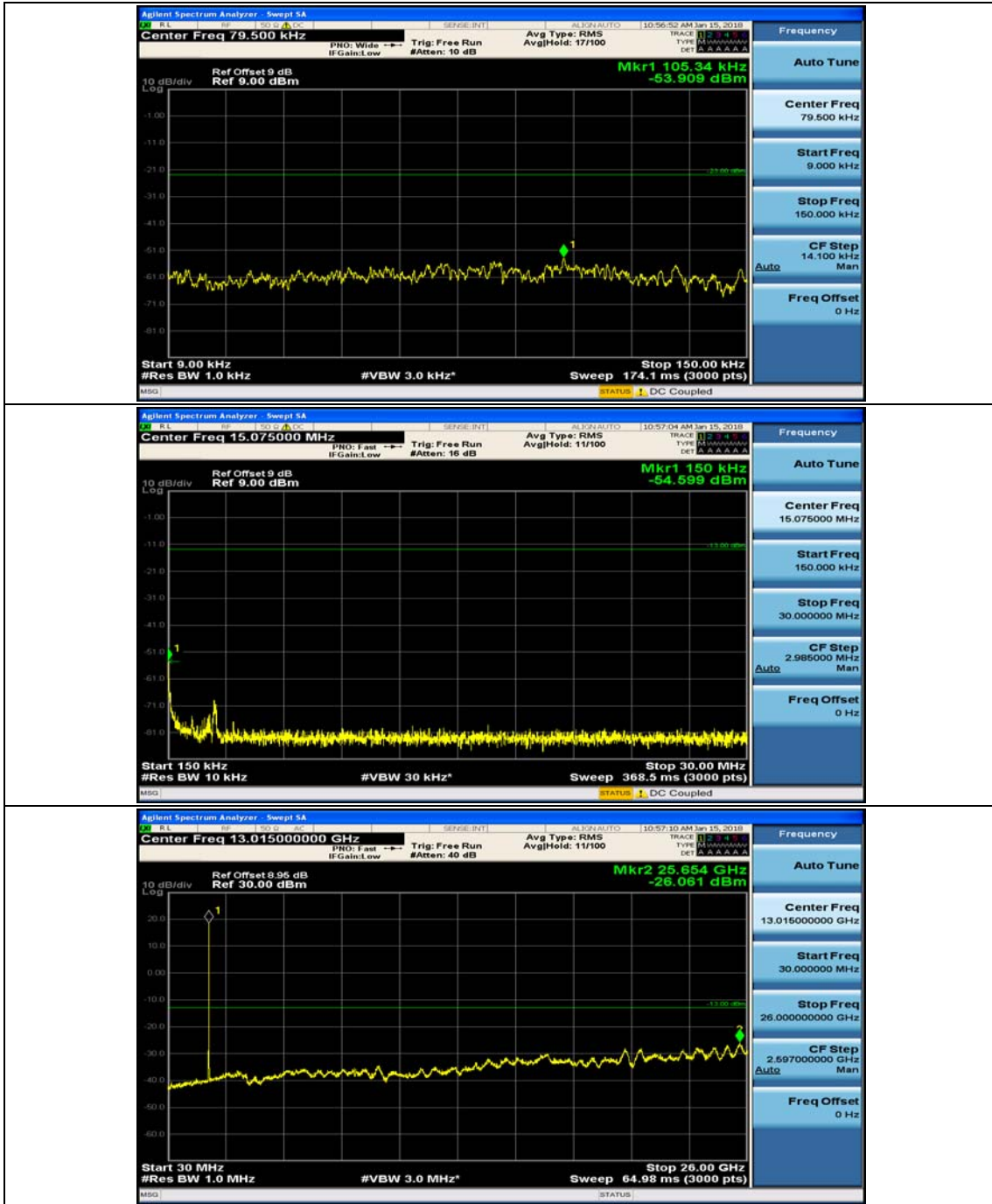




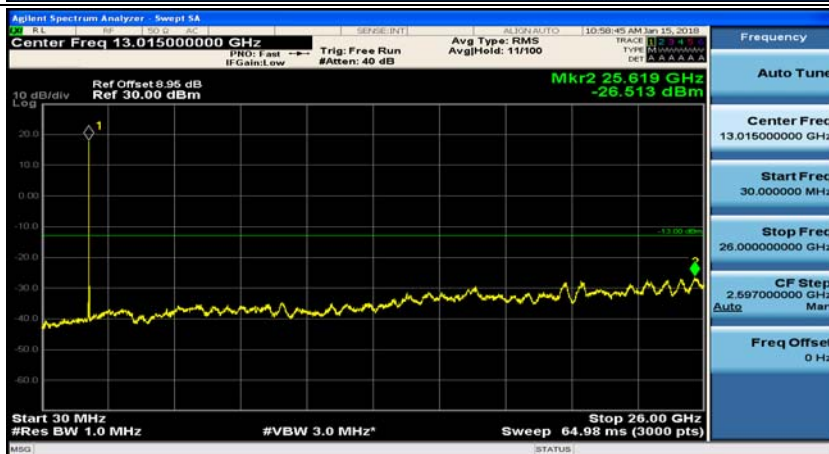
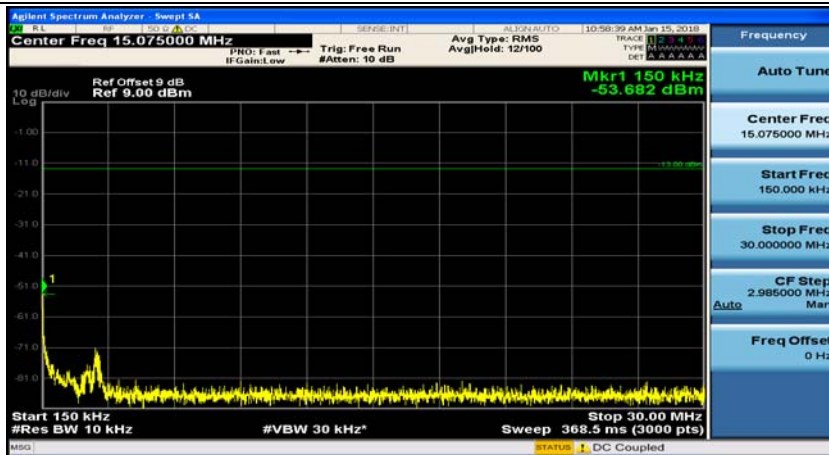
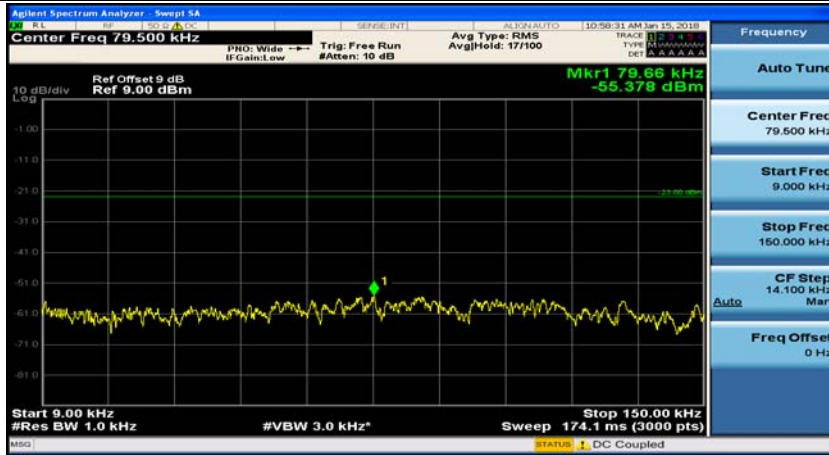
Channel Bandwidth: 20 MHz



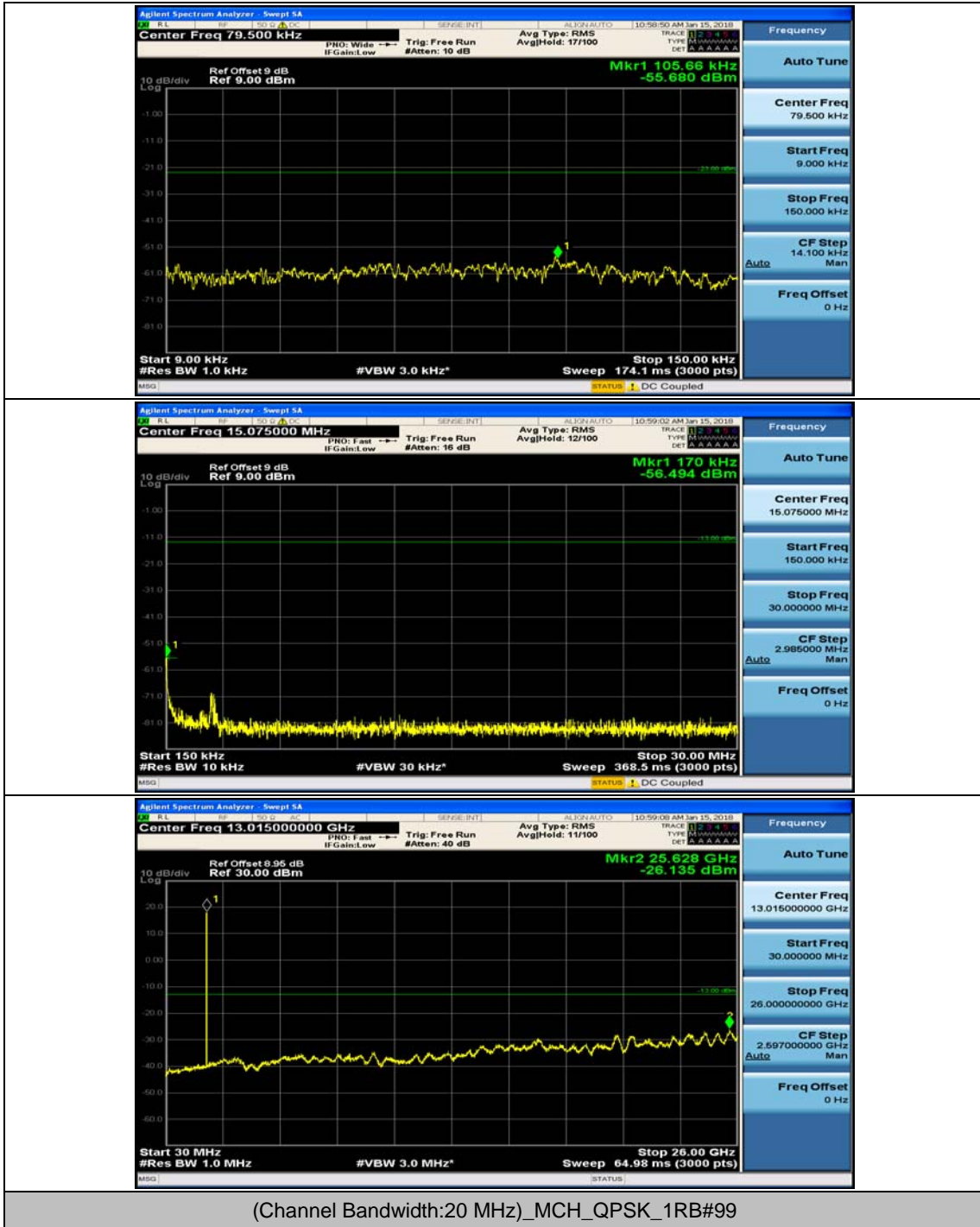


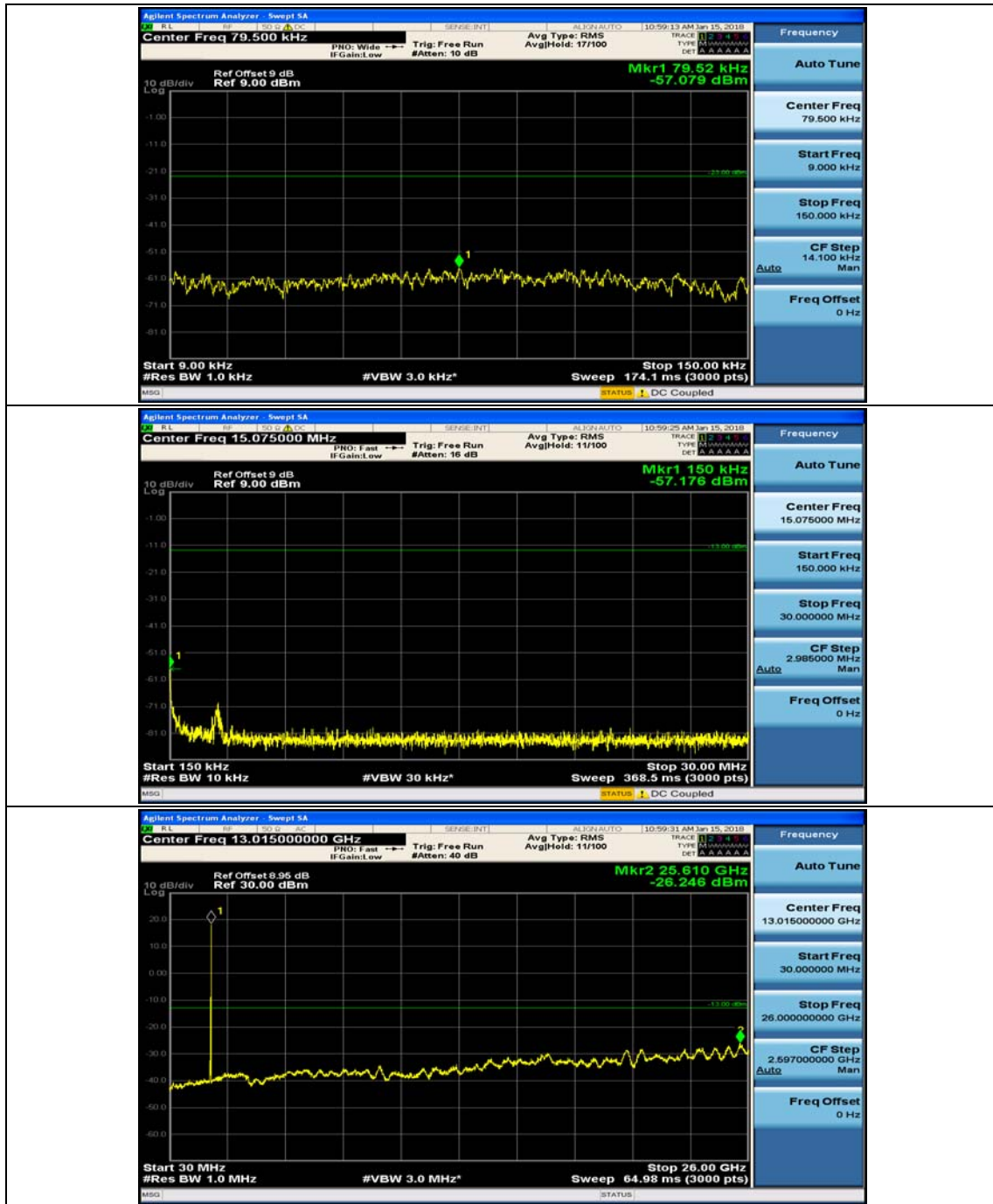


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

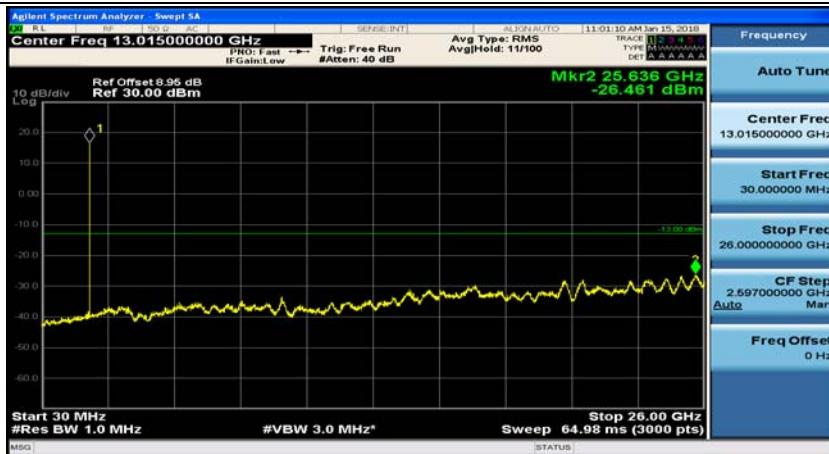
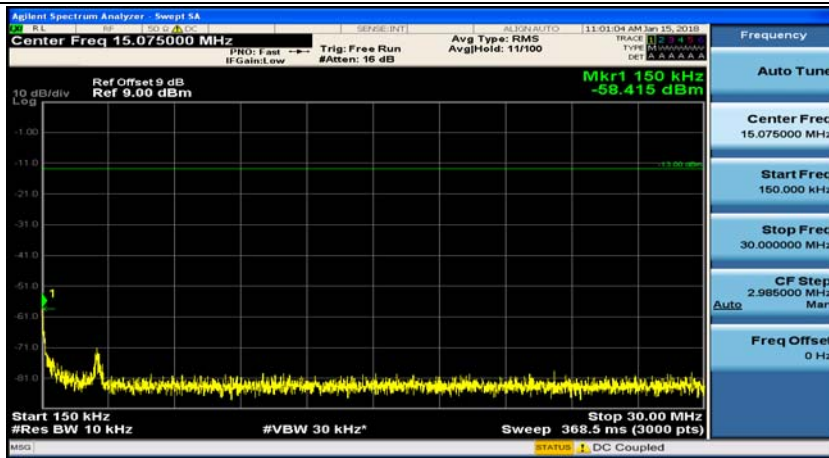
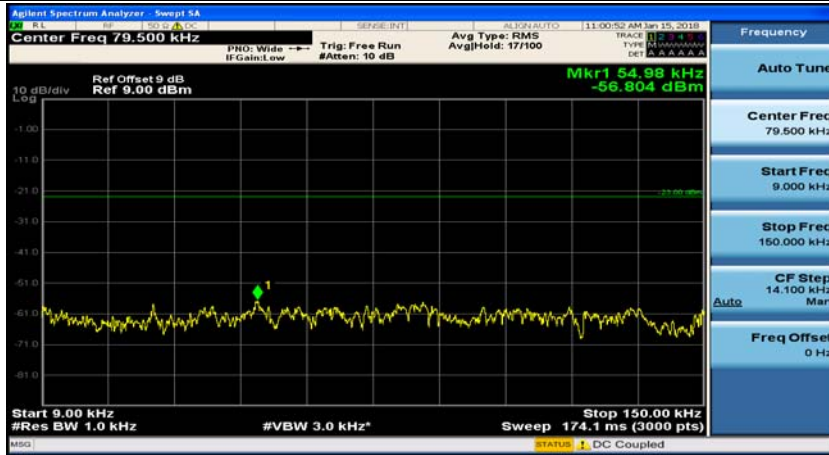


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

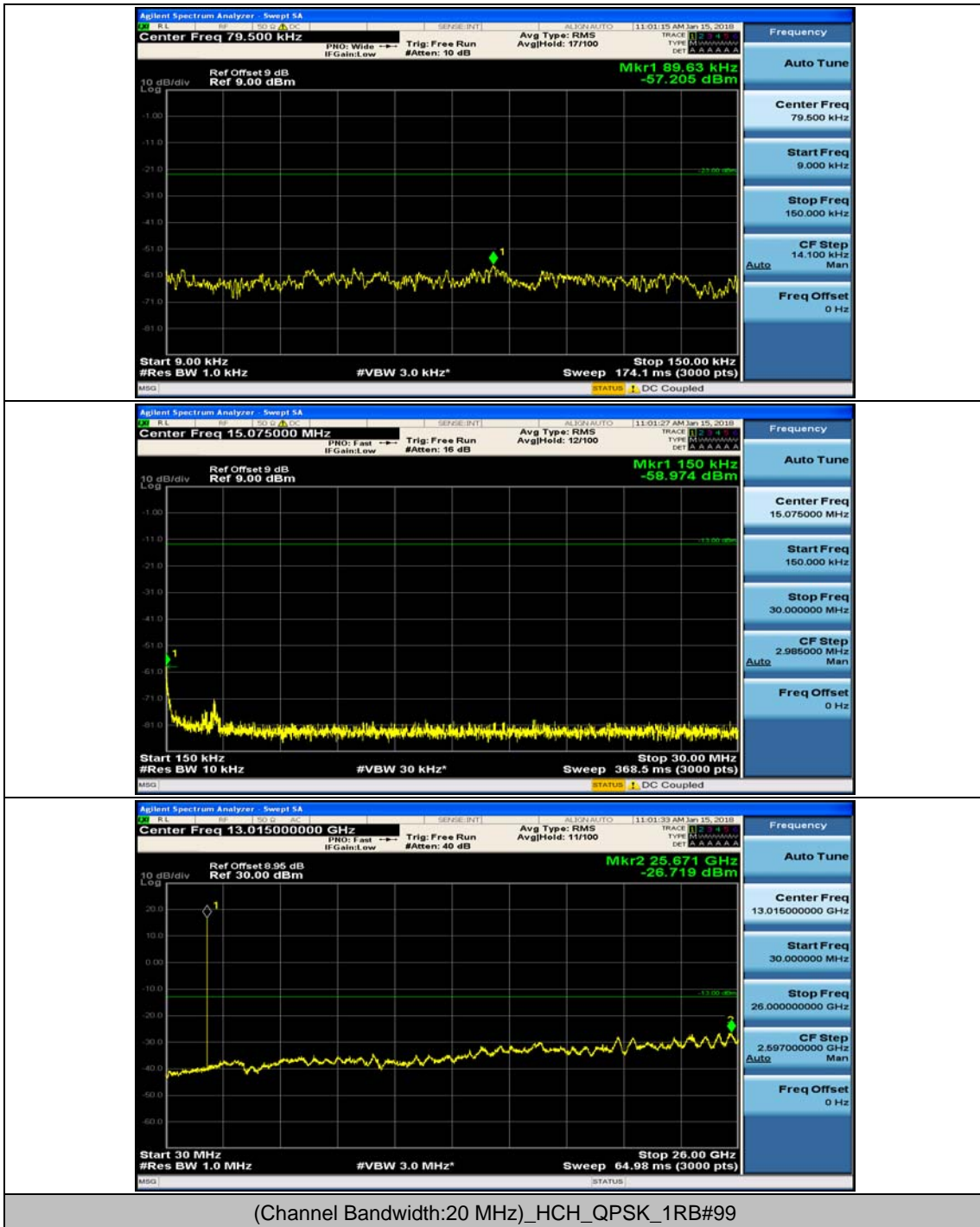


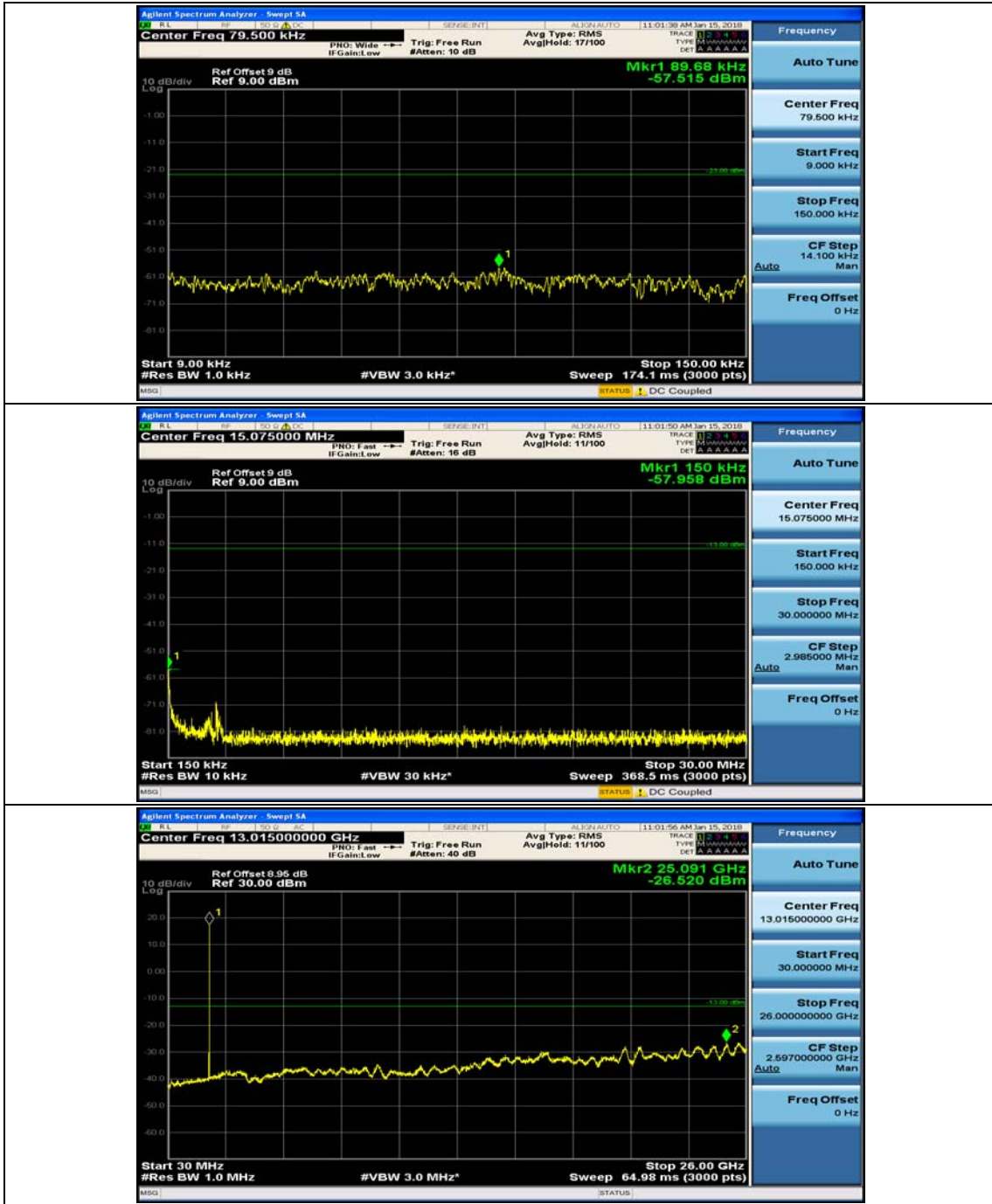


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

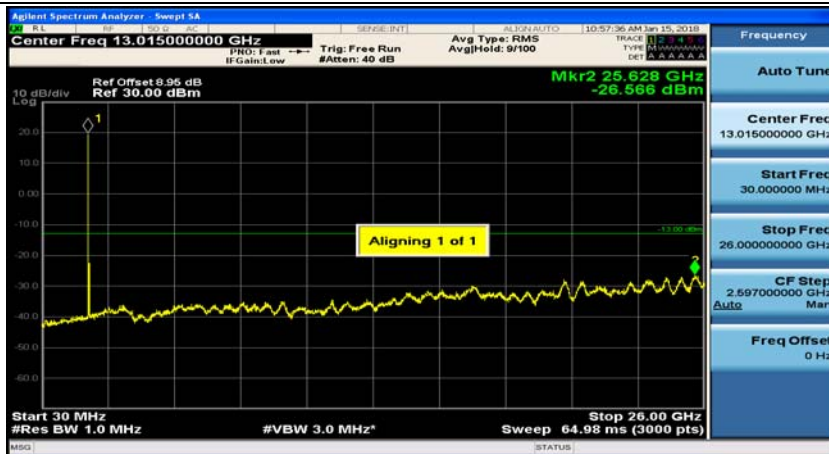
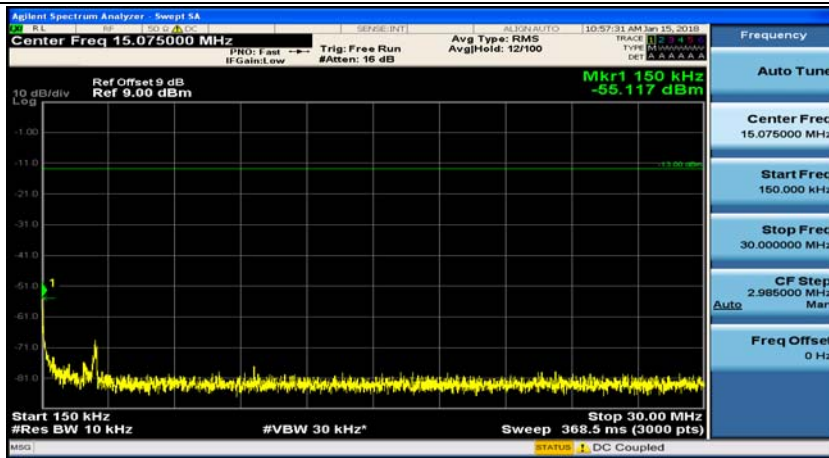


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

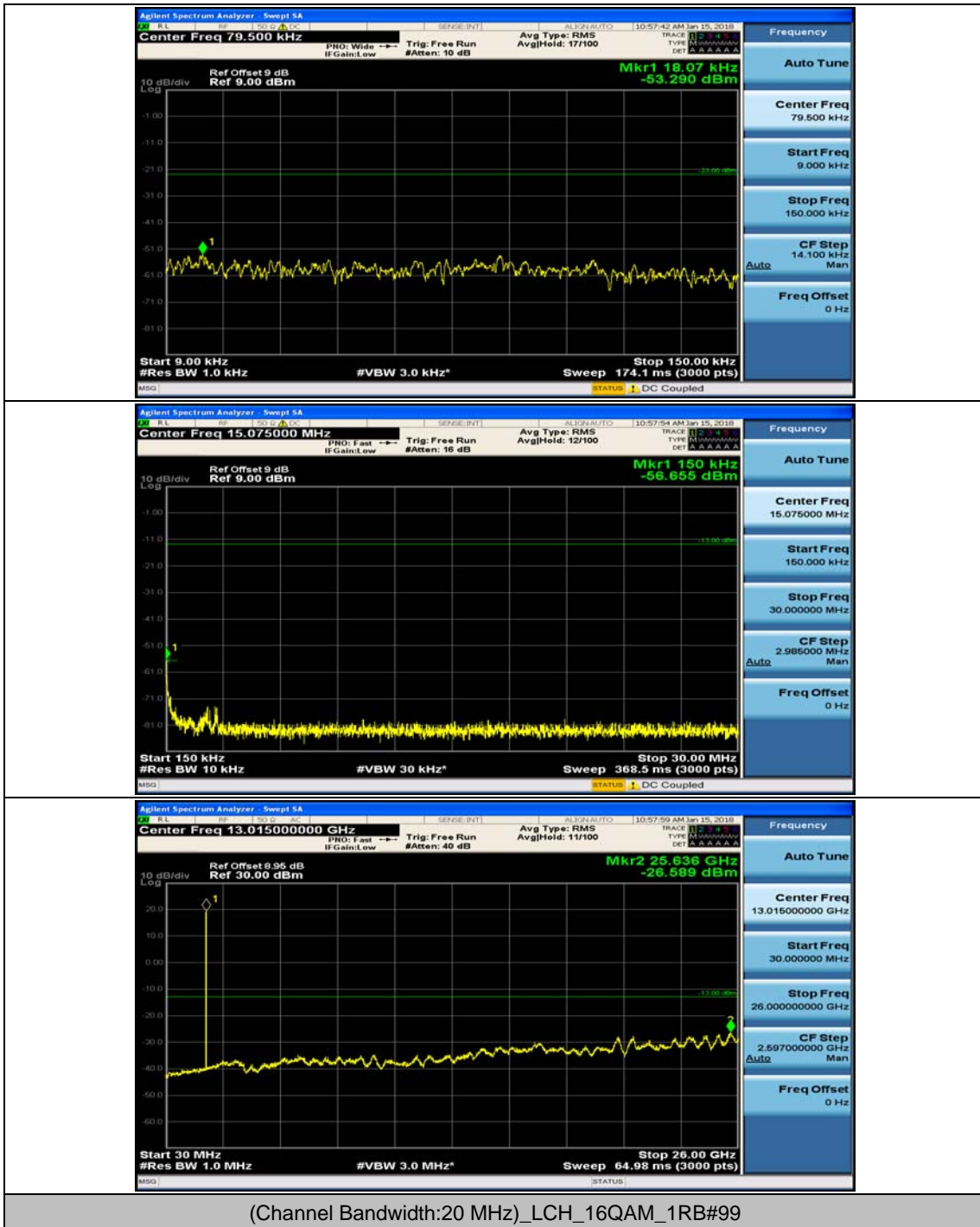


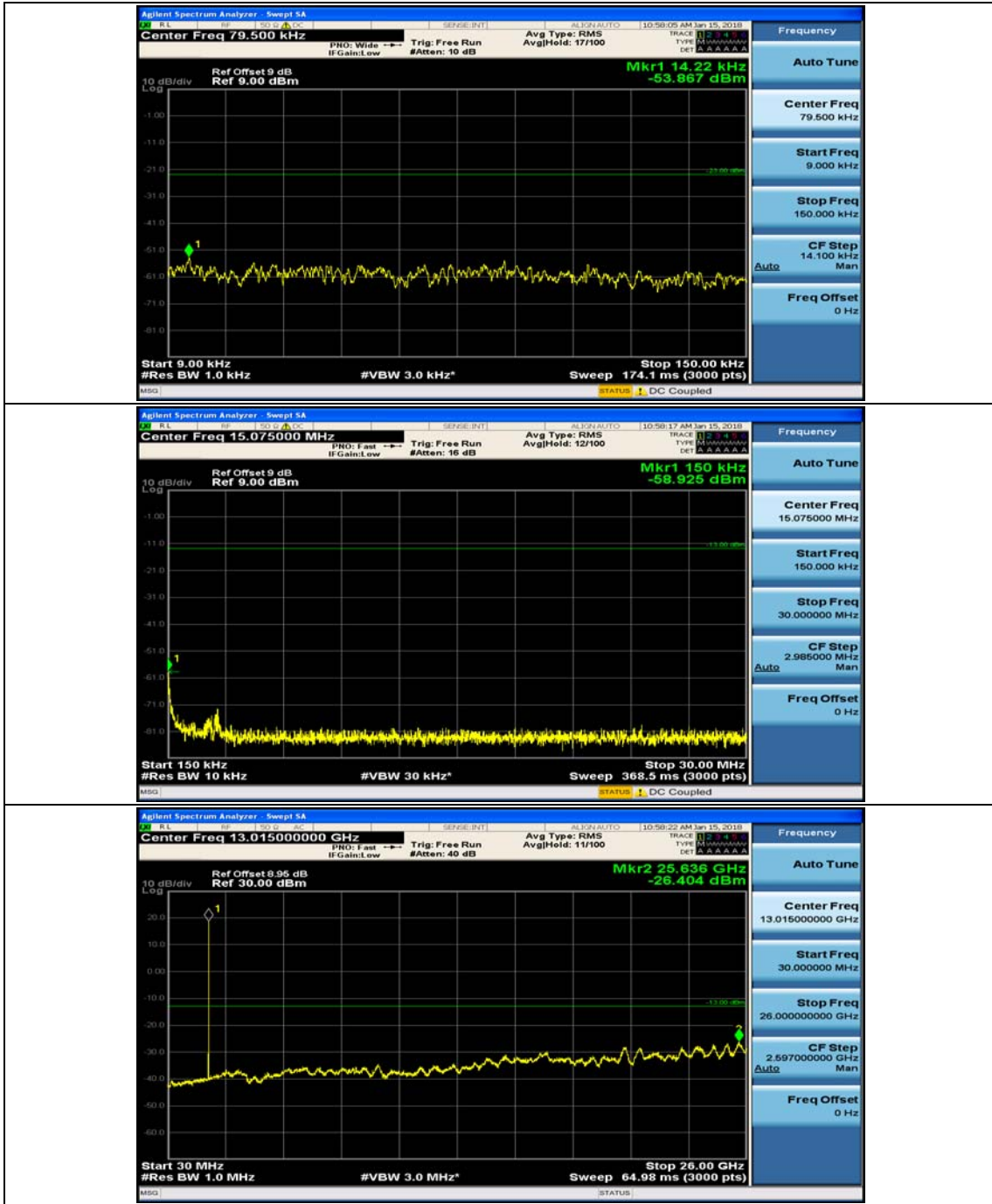


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

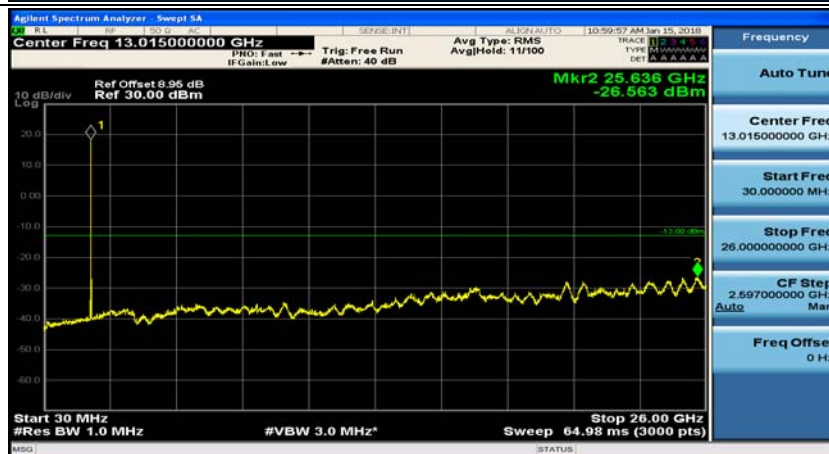
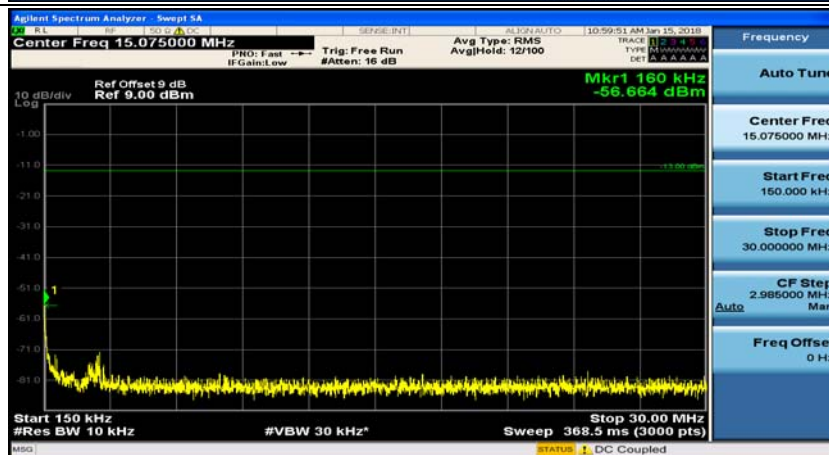
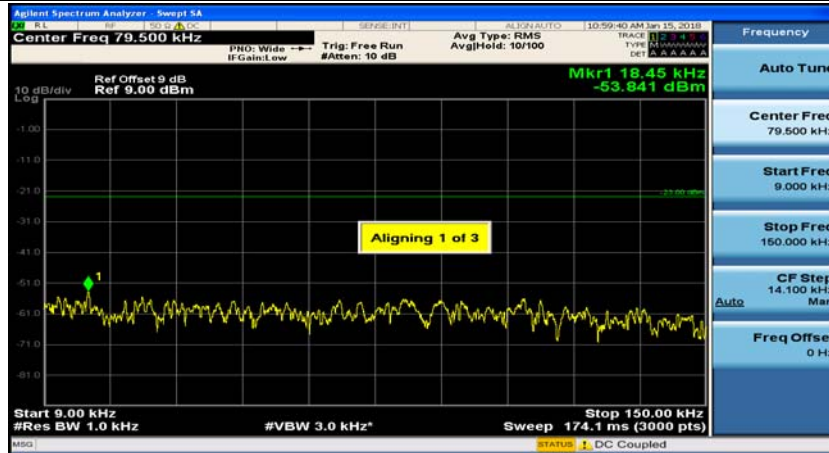


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

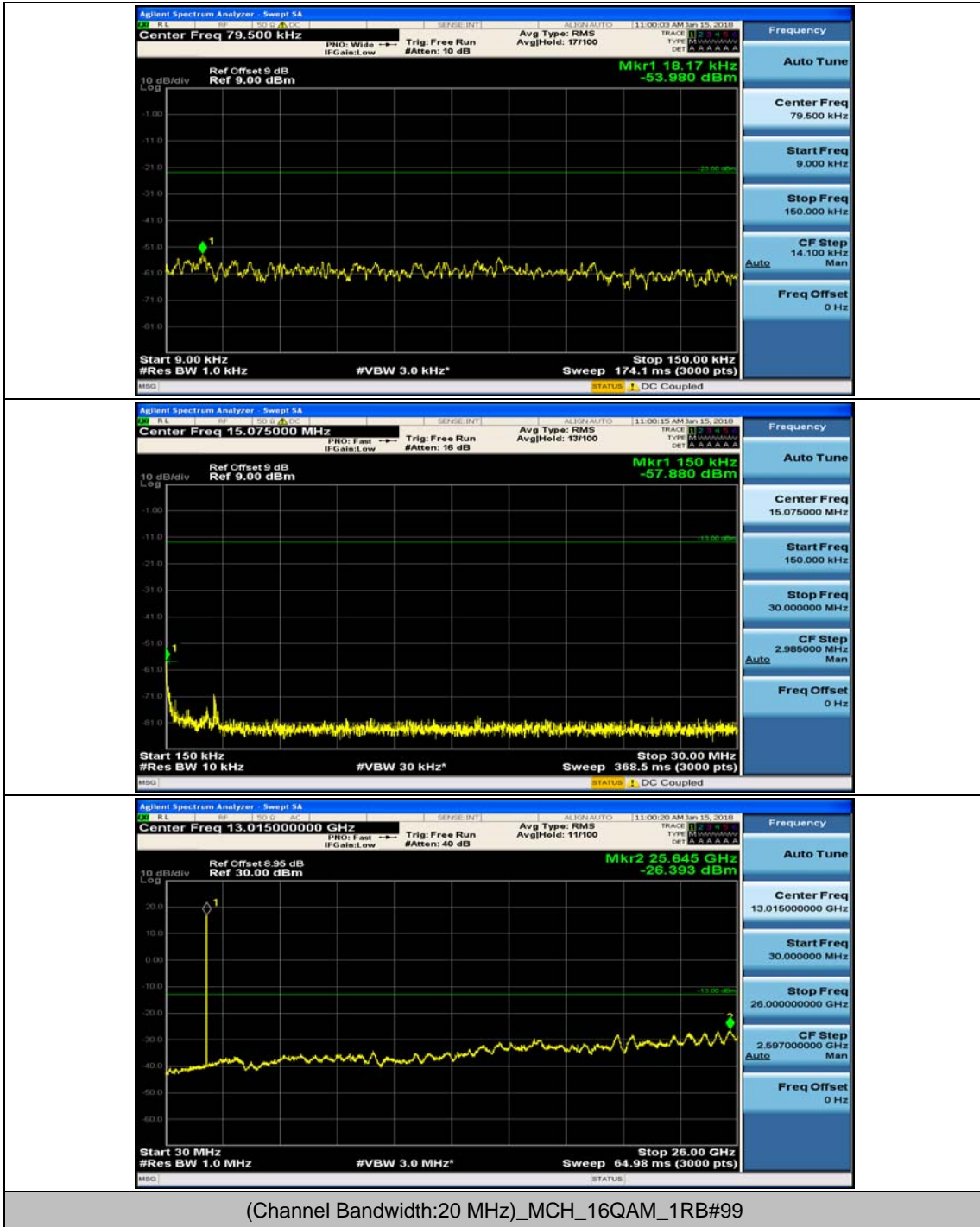


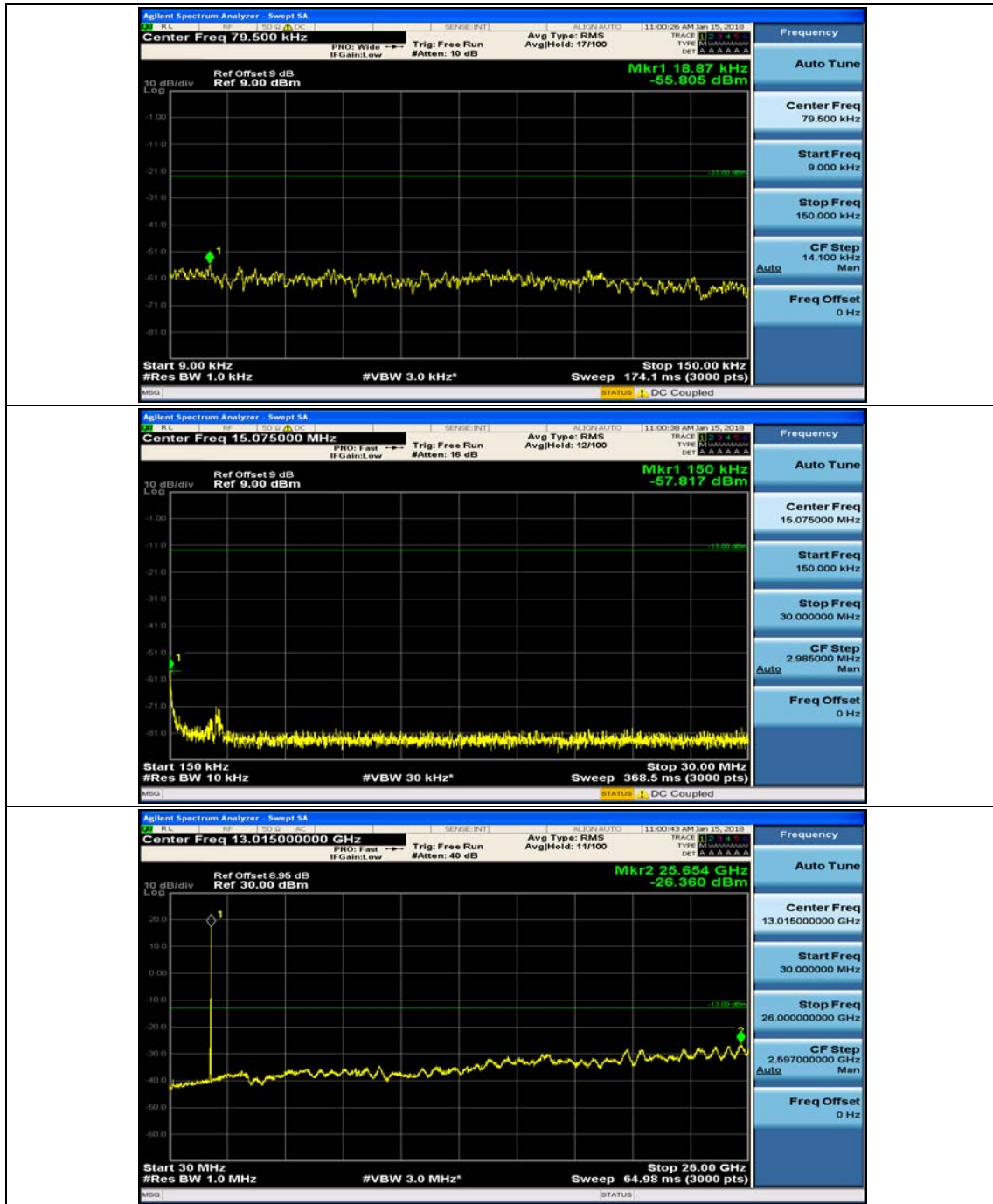


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

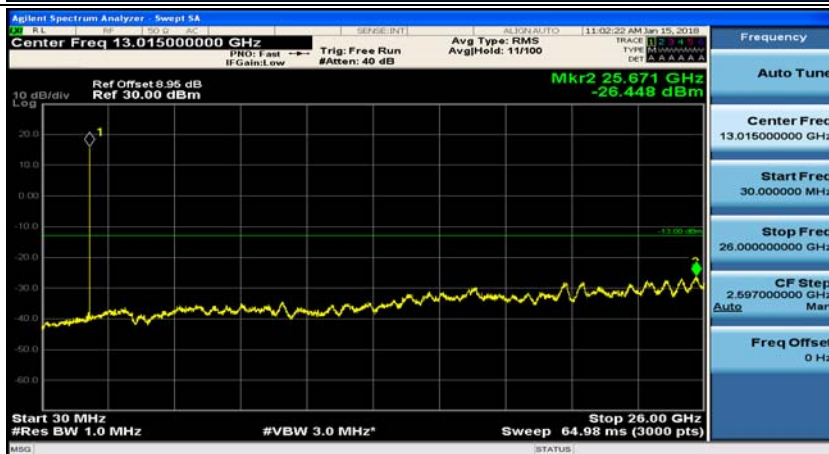
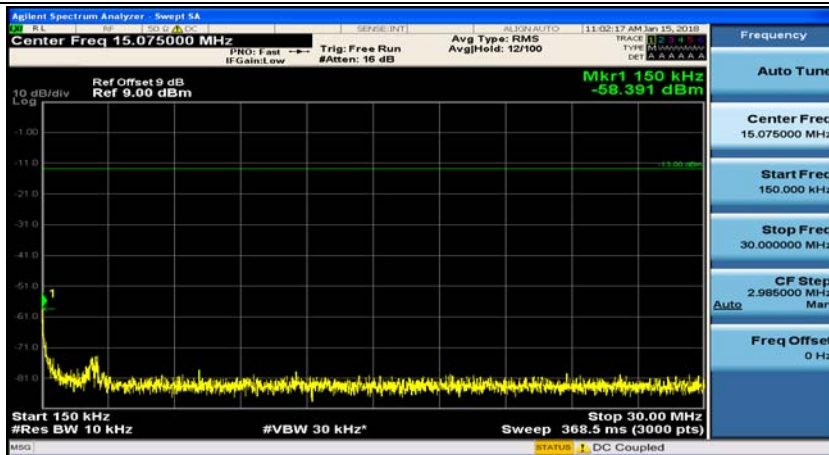
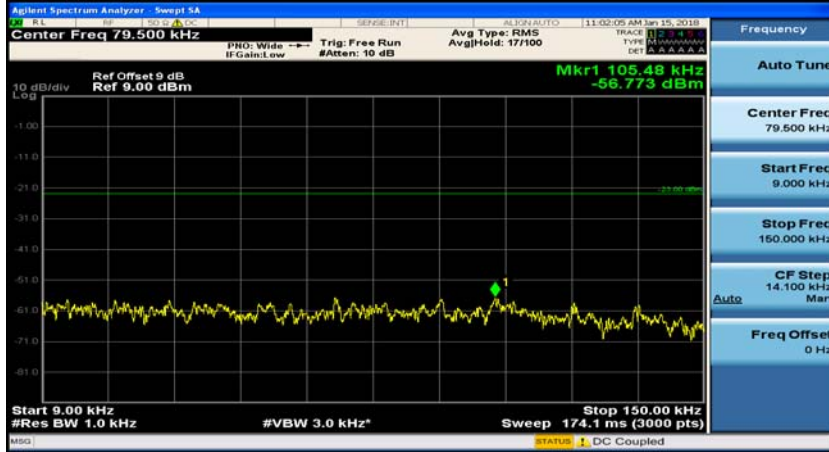


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

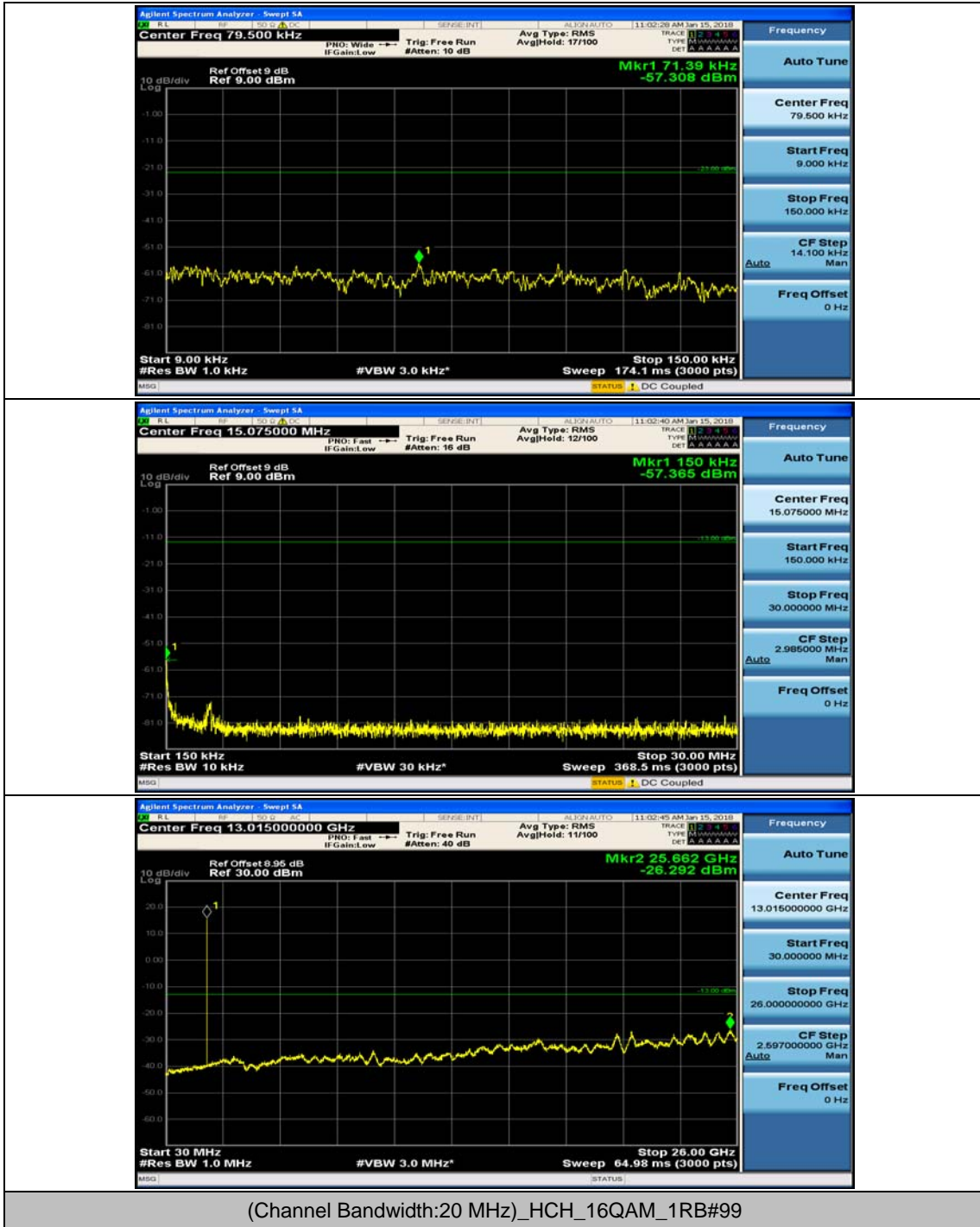


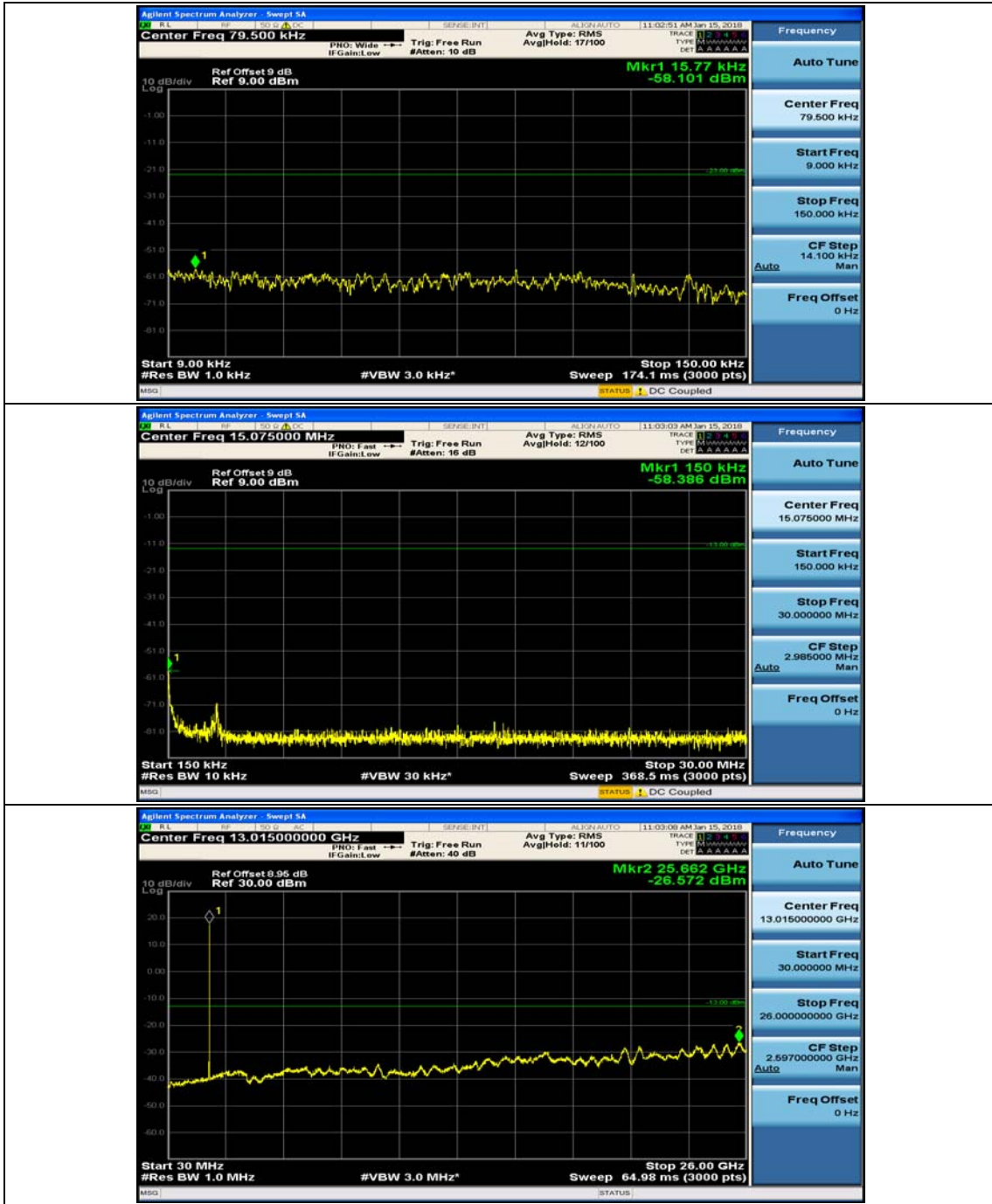


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.92	-0.000497	± 2.5	PASS
		VN	TN	-0.95	-0.000513	± 2.5	PASS
		VH	TN	4.74	0.002561	± 2.5	PASS
	MCH	VL	TN	2.68	0.001426	± 2.5	PASS
		VN	TN	2.99	0.001590	± 2.5	PASS
		VH	TN	4.9	0.002606	± 2.5	PASS
	HCH	VL	TN	4.86	0.002545	± 2.5	PASS
		VN	TN	4.49	0.002352	± 2.5	PASS
		VH	TN	2.58	0.001351	± 2.5	PASS
16QAM	LCH	VL	TN	4.03	0.002178	± 2.5	PASS
		VN	TN	2.97	0.001605	± 2.5	PASS
		VH	TN	4.96	0.002680	± 2.5	PASS
	MCH	VL	TN	0.13	0.000069	± 2.5	PASS
		VN	TN	-0.43	-0.000229	± 2.5	PASS
		VH	TN	4.2	0.002234	± 2.5	PASS
	HCH	VL	TN	1.9	0.000995	± 2.5	PASS
		VN	TN	-1.39	-0.000728	± 2.5	PASS
		VH	TN	-0.74	-0.000388	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.39	-0.000211	± 2.5	PASS
		VN	-20	1.91	0.001032	± 2.5	PASS
		VN	-10	-1.8	-0.000973	± 2.5	PASS
		VN	0	0.36	0.000195	± 2.5	PASS
		VN	10	-0.08	-0.000043	± 2.5	PASS
		VN	20	0.24	0.000130	± 2.5	PASS
		VN	30	4.59	0.002480	± 2.5	PASS
		VN	40	2.37	0.001281	± 2.5	PASS
		VN	50	0.21	0.000113	± 2.5	PASS
	MCH	VN	-30	3.74	0.001989	± 2.5	PASS

		VN	-20	2.63	0.001399	± 2.5	PASS
		VN	-10	4.35	0.002314	± 2.5	PASS
		VN	0	2.09	0.001112	± 2.5	PASS
		VN	10	-1.65	-0.000878	± 2.5	PASS
		VN	20	2.3	0.001223	± 2.5	PASS
		VN	30	4.26	0.002266	± 2.5	PASS
		VN	40	-0.7	-0.000372	± 2.5	PASS
		VN	50	2.4	0.001277	± 2.5	PASS
	HCH	VN	-30	2.11	0.001105	± 2.5	PASS
		VN	-20	2.57	0.001346	± 2.5	PASS
		VN	-10	1.6	0.000838	± 2.5	PASS
		VN	0	4.23	0.002215	± 2.5	PASS
		VN	10	3.11	0.001629	± 2.5	PASS
		VN	20	1.76	0.000922	± 2.5	PASS
		VN	30	-1.31	-0.000686	± 2.5	PASS
		VN	40	-1.75	-0.000917	± 2.5	PASS
		VN	50	-1.65	-0.000864	± 2.5	PASS
		16QAM	LCH	VN	-30	2.45	0.001324
VN	-20			-0.41	-0.000222	± 2.5	PASS
VN	-10			2.53	0.001367	± 2.5	PASS
VN	0			4.05	0.002188	± 2.5	PASS
VN	10			1.35	0.000729	± 2.5	PASS
VN	20			-1.64	-0.000886	± 2.5	PASS
VN	30			3.52	0.001902	± 2.5	PASS
VN	40			1.52	0.000821	± 2.5	PASS
VN	50			2.2	0.001189	± 2.5	PASS
MCH	VN		-30	1.3	0.000691	± 2.5	PASS
	VN		-20	-0.78	-0.000415	± 2.5	PASS
	VN		-10	2.84	0.001511	± 2.5	PASS
	VN		0	1.33	0.000707	± 2.5	PASS
	VN		10	2.66	0.001415	± 2.5	PASS
	VN		20	-0.99	-0.000527	± 2.5	PASS
	VN		30	2.54	0.001351	± 2.5	PASS
	VN		40	0.93	0.000495	± 2.5	PASS
	VN		50	0.76	0.000404	± 2.5	PASS
HCH	VN		-30	0.1	0.000052	± 2.5	PASS
	VN		-20	3.13	0.001639	± 2.5	PASS
	VN		-10	3.84	0.002011	± 2.5	PASS
	VN		0	-1.59	-0.000833	± 2.5	PASS
	VN		10	4.52	0.002367	± 2.5	PASS
	VN		20	3.32	0.001739	± 2.5	PASS

		VN	30	0.8	0.000419	± 2.5	PASS
		VN	40	2.16	0.001131	± 2.5	PASS
		VN	50	4.8	0.002514	± 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	0.27	0.000146	± 2.5	PASS
		VN	TN	0.42	0.000227	± 2.5	PASS
		VH	TN	3.96	0.002139	± 2.5	PASS
	MCH	VL	TN	3.82	0.002032	± 2.5	PASS
		VN	TN	-0.6	-0.000319	± 2.5	PASS
		VH	TN	2.98	0.001585	± 2.5	PASS
	HCH	VL	TN	1.42	0.000744	± 2.5	PASS
		VN	TN	3.14	0.001645	± 2.5	PASS
		VH	TN	-0.15	-0.000079	± 2.5	PASS
16QAM	LCH	VL	TN	-0.5	-0.000270	± 2.5	PASS
		VN	TN	-0.67	-0.000362	± 2.5	PASS
		VH	TN	1.74	0.000940	± 2.5	PASS
	MCH	VL	TN	2.67	0.001420	± 2.5	PASS
		VN	TN	2.01	0.001069	± 2.5	PASS
		VH	TN	-1.08	-0.000574	± 2.5	PASS
	HCH	VL	TN	0.86	0.000451	± 2.5	PASS
		VN	TN	0.74	0.000388	± 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	3.67	0.001982	± 2.5	PASS
		VN	-20	-1.53	-0.000826	± 2.5	PASS
		VN	-10	4.77	0.002576	± 2.5	PASS
		VN	0	4.75	0.002565	± 2.5	PASS
		VN	10	-1.43	-0.000772	± 2.5	PASS
		VN	20	4.19	0.002263	± 2.5	PASS
		VN	30	3.25	0.001755	± 2.5	PASS
		VN	40	2.82	0.001523	± 2.5	PASS
		VN	50	0.08	0.000043	± 2.5	PASS
	MCH	VN	-30	-1.7	-0.000904	± 2.5	PASS
		VN	-20	0.07	0.000037	± 2.5	PASS

		VN	-10	3.76	0.002000	± 2.5	PASS	
		VN	0	0.19	0.000101	± 2.5	PASS	
		VN	10	0.24	0.000128	± 2.5	PASS	
		VN	20	-0.51	-0.000271	± 2.5	PASS	
		VN	30	-1.49	-0.000793	± 2.5	PASS	
		VN	40	1.41	0.000750	± 2.5	PASS	
		VN	50	-1.22	-0.000649	± 2.5	PASS	
	HCH	VN	-30	-1.9	-0.000996	± 2.5	PASS	
		VN	-20	1.23	0.000644	± 2.5	PASS	
		VN	-10	-0.19	-0.000100	± 2.5	PASS	
		VN	0	0.39	0.000204	± 2.5	PASS	
		VN	10	3.45	0.001808	± 2.5	PASS	
		VN	20	0.78	0.000409	± 2.5	PASS	
		VN	30	0.61	0.000320	± 2.5	PASS	
	16QAM	LCH	VN	40	3.39	0.001776	± 2.5	PASS
			VN	50	3.44	0.001802	± 2.5	PASS
			VN	-30	4.66	0.002517	± 2.5	PASS
			VN	-20	4.41	0.002382	± 2.5	PASS
VN			-10	1.49	0.000805	± 2.5	PASS	
VN			0	-0.7	-0.000378	± 2.5	PASS	
VN			10	0.19	0.000103	± 2.5	PASS	
VN			20	-1.26	-0.000681	± 2.5	PASS	
VN			30	4.26	0.002301	± 2.5	PASS	
MCH		VN	40	4.04	0.002182	± 2.5	PASS	
		VN	50	0.69	0.000373	± 2.5	PASS	
		VN	-30	-0.42	-0.000223	± 2.5	PASS	
		VN	-20	3.94	0.002096	± 2.5	PASS	
		VN	-10	3.65	0.001941	± 2.5	PASS	
		VN	0	3.69	0.001963	± 2.5	PASS	
		VN	10	-0.8	-0.000426	± 2.5	PASS	
		VN	20	1.37	0.000729	± 2.5	PASS	
		VN	30	-0.5	-0.000266	± 2.5	PASS	
HCH	VN	40	4.24	0.002255	± 2.5	PASS		
	VN	50	2.73	0.001452	± 2.5	PASS		
	VN	-30	2.42	0.001268	± 2.5	PASS		
	VN	-20	3.96	0.002075	± 2.5	PASS		
	VN	-10	-1.23	-0.000644	± 2.5	PASS		
	VN	0	0.81	0.000424	± 2.5	PASS		
	VN	10	3.86	0.002023	± 2.5	PASS		
VN	20	4.64	0.002431	± 2.5	PASS			
VN	30	3.44	0.001802	± 2.5	PASS			

		VN	40	2.23	0.001168	± 2.5	PASS
		VN	50	4.51	0.002363	± 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	4.85	0.002618	± 2.5	PASS
		VN	TN	-0.7	-0.000378	± 2.5	PASS
		VH	TN	2.19	0.001182	± 2.5	PASS
	MCH	VL	TN	-1.78	-0.000947	± 2.5	PASS
		VN	TN	-1.6	-0.000851	± 2.5	PASS
		VH	TN	2.66	0.001415	± 2.5	PASS
	HCH	VL	TN	4.27	0.002239	± 2.5	PASS
		VN	TN	1.54	0.000807	± 2.5	PASS
		VH	TN	1.85	0.000970	± 2.5	PASS
16QAM	LCH	VL	TN	1.24	0.000669	± 2.5	PASS
		VN	TN	2.17	0.001171	± 2.5	PASS
		VH	TN	0.16	0.000086	± 2.5	PASS
	MCH	VL	TN	4.74	0.002521	± 2.5	PASS
		VN	TN	0.32	0.000170	± 2.5	PASS
		VH	TN	0.86	0.000457	± 2.5	PASS
	HCH	VL	TN	3.16	0.001657	± 2.5	PASS
		VN	TN	4.37	0.002291	± 2.5	PASS
		VH	TN	3.39	0.001777	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.61	0.001949	± 2.5	PASS
		VN	-20	1.56	0.000842	± 2.5	PASS
		VN	-10	2.95	0.001592	± 2.5	PASS
		VN	0	0.69	0.000372	± 2.5	PASS
		VN	10	0.24	0.000130	± 2.5	PASS
		VN	20	1.59	0.000858	± 2.5	PASS
		VN	30	4.49	0.002424	± 2.5	PASS
		VN	40	-0.79	-0.000426	± 2.5	PASS
		VN	50	-1.44	-0.000777	± 2.5	PASS
	MCH	VN	-30	3.45	0.001835	± 2.5	PASS
		VN	-20	4.69	0.002495	± 2.5	PASS
		VN	-10	4.04	0.002149	± 2.5	PASS

		VN	0	-1.93	-0.001027	± 2.5	PASS		
		VN	10	0.94	0.000500	± 2.5	PASS		
		VN	20	4.66	0.002479	± 2.5	PASS		
		VN	30	1.34	0.000713	± 2.5	PASS		
		VN	40	0.35	0.000186	± 2.5	PASS		
		VN	50	1.72	0.000915	± 2.5	PASS		
	HCH	VN	-30	3.66	0.001919	± 2.5	PASS		
		VN	-20	3.76	0.001971	± 2.5	PASS		
		VN	-10	-0.22	-0.000115	± 2.5	PASS		
		VN	0	2.74	0.001436	± 2.5	PASS		
		VN	10	-0.72	-0.000377	± 2.5	PASS		
		VN	20	1.89	0.000991	± 2.5	PASS		
		VN	30	4.93	0.002585	± 2.5	PASS		
		VN	40	-0.66	-0.000346	± 2.5	PASS		
		VN	50	-0.33	-0.000173	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.04	0.000022	± 2.5	PASS
				VN	-20	-1.75	-0.000945	± 2.5	PASS
				VN	-10	-1.95	-0.001053	± 2.5	PASS
VN	0			3.68	0.001987	± 2.5	PASS		
VN	10			4.75	0.002564	± 2.5	PASS		
VN	20			1.27	0.000686	± 2.5	PASS		
VN	30			0.66	0.000356	± 2.5	PASS		
VN	40			0.69	0.000372	± 2.5	PASS		
VN	50			1.47	0.000794	± 2.5	PASS		
MCH	VN		-30	2.66	0.001415	± 2.5	PASS		
	VN		-20	4.58	0.002436	± 2.5	PASS		
	VN		-10	1.68	0.000894	± 2.5	PASS		
	VN		0	-1.14	-0.000606	± 2.5	PASS		
	VN		10	4.83	0.002569	± 2.5	PASS		
	VN		20	1.67	0.000888	± 2.5	PASS		
	VN		30	3.77	0.002005	± 2.5	PASS		
	VN		40	-0.16	-0.000085	± 2.5	PASS		
	VN		50	-1.97	-0.001048	± 2.5	PASS		
HCH	VN		-30	1.68	0.000881	± 2.5	PASS		
	VN		-20	3.45	0.001809	± 2.5	PASS		
	VN		-10	2.12	0.001111	± 2.5	PASS		
	VN		0	2.75	0.001442	± 2.5	PASS		
	VN		10	3.82	0.002003	± 2.5	PASS		
	VN		20	1.24	0.000650	± 2.5	PASS		
	VN		30	4.39	0.002301	± 2.5	PASS		
	VN		40	0.41	0.000215	± 2.5	PASS		

		VN	50	-1.45	-0.000760	± 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	0.001078	± 2.5	PASS
		VN	TN	0.67	0.000361	± 2.5	PASS
		VH	TN	1.42	0.000765	± 2.5	PASS
	MCH	VL	TN	4.05	0.002154	± 2.5	PASS
		VN	TN	-0.63	-0.000335	± 2.5	PASS
		VH	TN	3.83	0.002037	± 2.5	PASS
	HCH	VL	TN	-0.36	-0.000189	± 2.5	PASS
		VN	TN	-0.57	-0.000299	± 2.5	PASS
		VH	TN	-1.17	-0.000614	± 2.5	PASS
16QAM	LCH	VL	TN	0.88	0.000474	± 2.5	PASS
		VN	TN	2.14	0.001154	± 2.5	PASS
		VH	TN	1.04	0.000561	± 2.5	PASS
	MCH	VL	TN	-1.77	-0.000941	± 2.5	PASS
		VN	TN	4.61	0.002452	± 2.5	PASS
		VH	TN	-0.6	-0.000319	± 2.5	PASS
	HCH	VL	TN	1.33	0.000698	± 2.5	PASS
		VN	TN	-0.79	-0.000415	± 2.5	PASS
		VH	TN	-1.93	-0.001013	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.31	0.001245	± 2.5	PASS
		VN	-20	-1.79	-0.000965	± 2.5	PASS
		VN	-10	2.32	0.001251	± 2.5	PASS
		VN	0	-1.84	-0.000992	± 2.5	PASS
		VN	10	2.35	0.001267	± 2.5	PASS
		VN	20	1.41	0.000760	± 2.5	PASS
		VN	30	0.78	0.000420	± 2.5	PASS
		VN	40	-0.04	-0.000022	± 2.5	PASS
		VN	50	1.44	0.000776	± 2.5	PASS
	MCH	VN	-30	2.06	0.001096	± 2.5	PASS
		VN	-20	2.82	0.001500	± 2.5	PASS
		VN	-10	2.54	0.001351	± 2.5	PASS
		VN	0	0	0.000000	± 2.5	PASS

		VN	10	4.66	0.002479	± 2.5	PASS
		VN	20	-1.96	-0.001043	± 2.5	PASS
		VN	30	1.1	0.000585	± 2.5	PASS
		VN	40	2.83	0.001505	± 2.5	PASS
		VN	50	2.75	0.001463	± 2.5	PASS
	HCH	VN	-30	0.21	0.000110	± 2.5	PASS
		VN	-20	1.32	0.000693	± 2.5	PASS
		VN	-10	-0.9	-0.000472	± 2.5	PASS
		VN	0	4.5	0.002362	± 2.5	PASS
		VN	10	4.42	0.002320	± 2.5	PASS
		VN	20	2.73	0.001433	± 2.5	PASS
		VN	30	-1.08	-0.000567	± 2.5	PASS
		VN	40	1.43	0.000751	± 2.5	PASS
		VN	50	1.21	0.000635	± 2.5	PASS
		QPSK	LCH	VN	-30	4.64	0.002501
VN	-20			2.7	0.001456	± 2.5	PASS
VN	-10			2.36	0.001272	± 2.5	PASS
VN	0			3.34	0.001801	± 2.5	PASS
VN	10			2.23	0.001202	± 2.5	PASS
VN	20			-1.3	-0.000701	± 2.5	PASS
VN	30			3.08	0.001660	± 2.5	PASS
VN	40			-0.13	-0.000070	± 2.5	PASS
VN	50			1.69	0.000911	± 2.5	PASS
MCH	VN		-30	1.83	0.000973	± 2.5	PASS
	VN		-20	3.18	0.001691	± 2.5	PASS
	VN		-10	3.63	0.001931	± 2.5	PASS
	VN		0	-1.99	-0.001059	± 2.5	PASS
	VN		10	1.29	0.000686	± 2.5	PASS
	VN		20	-0.36	-0.000191	± 2.5	PASS
	VN		30	-0.65	-0.000346	± 2.5	PASS
	VN		40	2.96	0.001574	± 2.5	PASS
	VN		50	4.79	0.002548	± 2.5	PASS
HCH	VN		-30	-1.01	-0.000530	± 2.5	PASS
	VN		-20	1.03	0.000541	± 2.5	PASS
	VN		-10	0.14	0.000073	± 2.5	PASS
	VN		0	0.33	0.000173	± 2.5	PASS
	VN		10	2.11	0.001108	± 2.5	PASS
	VN		20	4.71	0.002472	± 2.5	PASS
	VN		30	0.74	0.000388	± 2.5	PASS
	VN		40	1.68	0.000882	± 2.5	PASS
	VN		50	2.14	0.001123	± 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	5	0.002692	± 2.5	PASS
		VN	TN	-1.38	-0.000743	± 2.5	PASS
		VH	TN	1.59	0.000856	± 2.5	PASS
	MCH	VL	TN	4.72	0.002511	± 2.5	PASS
		VN	TN	0.83	0.000441	± 2.5	PASS
		VH	TN	-0.59	-0.000314	± 2.5	PASS
	HCH	VL	TN	0.74	0.000389	± 2.5	PASS
		VN	TN	4.47	0.002350	± 2.5	PASS
		VH	TN	3.33	0.001750	± 2.5	PASS
16QAM	LCH	VL	TN	0.7	0.000377	± 2.5	PASS
		VN	TN	-1.45	-0.000781	± 2.5	PASS
		VH	TN	-0.94	-0.000506	± 2.5	PASS
	MCH	VL	TN	3.78	0.002011	± 2.5	PASS
		VN	TN	4.33	0.002303	± 2.5	PASS
		VH	TN	2.71	0.001441	± 2.5	PASS
	HCH	VL	TN	-0.36	-0.000189	± 2.5	PASS
		VN	TN	1.01	0.000531	± 2.5	PASS
		VH	TN	4.45	0.002339	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.31	-0.000167	± 2.5	PASS
		VN	-20	2.25	0.001211	± 2.5	PASS
		VN	-10	-0.41	-0.000221	± 2.5	PASS
		VN	0	0.55	0.000296	± 2.5	PASS
		VN	10	-1.72	-0.000926	± 2.5	PASS
		VN	20	-1.27	-0.000684	± 2.5	PASS
		VN	30	0.75	0.000404	± 2.5	PASS
		VN	40	0.84	0.000452	± 2.5	PASS
		VN	50	4.96	0.002670	± 2.5	PASS
	MCH	VN	-30	-0.97	-0.000516	± 2.5	PASS
		VN	-20	1.02	0.000543	± 2.5	PASS
		VN	-10	4.54	0.002415	± 2.5	PASS
		VN	0	0.62	0.000330	± 2.5	PASS
		VN	10	3.1	0.001649	± 2.5	PASS
		VN	20	2.64	0.001404	± 2.5	PASS

		VN	30	-1.94	-0.001032	± 2.5	PASS
		VN	40	4.77	0.002537	± 2.5	PASS
		VN	50	-0.42	-0.000223	± 2.5	PASS
	HCH	VN	-30	1.09	0.000573	± 2.5	PASS
		VN	-20	2.19	0.001151	± 2.5	PASS
		VN	-10	2.11	0.001109	± 2.5	PASS
		VN	0	-0.13	-0.000068	± 2.5	PASS
		VN	10	4.32	0.002271	± 2.5	PASS
		VN	20	3.82	0.002008	± 2.5	PASS
		VN	30	0.54	0.000284	± 2.5	PASS
		VN	40	-0.54	-0.000284	± 2.5	PASS
		VN	50	3.82	0.002008	± 2.5	PASS
16QAM	LCH	VN	-30	1.46	0.000786	± 2.5	PASS
		VN	-20	-1.3	-0.000700	± 2.5	PASS
		VN	-10	-0.66	-0.000355	± 2.5	PASS
		VN	0	1.23	0.000662	± 2.5	PASS
		VN	10	1.37	0.000738	± 2.5	PASS
		VN	20	-1.22	-0.000657	± 2.5	PASS
		VN	30	-0.69	-0.000371	± 2.5	PASS
		VN	40	3.4	0.001830	± 2.5	PASS
		VN	50	-1.04	-0.000560	± 2.5	PASS
	MCH	VN	-30	-1.42	-0.000755	± 2.5	PASS
		VN	-20	1.57	0.000835	± 2.5	PASS
		VN	-10	4.63	0.002463	± 2.5	PASS
		VN	0	4.72	0.002511	± 2.5	PASS
		VN	10	2.44	0.001298	± 2.5	PASS
		VN	20	0.91	0.000484	± 2.5	PASS
		VN	30	4.47	0.002378	± 2.5	PASS
		VN	40	2.76	0.001468	± 2.5	PASS
		VN	50	2.6	0.001383	± 2.5	PASS
	HCH	VN	-30	2.01	0.001057	± 2.5	PASS
		VN	-20	2.41	0.001267	± 2.5	PASS
		VN	-10	3.83	0.002013	± 2.5	PASS
		VN	0	3.51	0.001845	± 2.5	PASS
		VN	10	0.8	0.000420	± 2.5	PASS
		VN	20	-1.1	-0.000578	± 2.5	PASS
		VN	30	3.8	0.001997	± 2.5	PASS
		VN	40	-1.3	-0.000683	± 2.5	PASS
		VN	50	-1.25	-0.000657	± 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	0.22	0.000118	± 2.5	PASS
		VN	TN	2.74	0.001473	± 2.5	PASS
		VH	TN	4.64	0.002495	± 2.5	PASS
	MCH	VL	TN	0.66	0.000351	± 2.5	PASS
		VN	TN	3.67	0.001952	± 2.5	PASS
		VH	TN	0.92	0.000489	± 2.5	PASS
	HCH	VL	TN	-0.3	-0.000158	± 2.5	PASS
		VN	TN	-1.75	-0.000921	± 2.5	PASS
		VH	TN	-1.08	-0.000568	± 2.5	PASS
16QAM	LCH	VL	TN	0.84	0.000452	± 2.5	PASS
		VN	TN	1.95	0.001048	± 2.5	PASS
		VH	TN	0.3	0.000161	± 2.5	PASS
	MCH	VL	TN	-1.33	-0.000707	± 2.5	PASS
		VN	TN	-1.56	-0.000830	± 2.5	PASS
		VH	TN	-1.31	-0.000697	± 2.5	PASS
	HCH	VL	TN	3.11	0.001637	± 2.5	PASS
		VN	TN	2.36	0.001242	± 2.5	PASS
		VH	TN	4.42	0.002326	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.59	-0.000317	± 2.5	PASS
		VN	-20	2.91	0.001565	± 2.5	PASS
		VN	-10	1.14	0.000613	± 2.5	PASS
		VN	0	1.01	0.000543	± 2.5	PASS
		VN	10	-1.47	-0.000790	± 2.5	PASS
		VN	20	2.92	0.001570	± 2.5	PASS
		VN	30	-0.56	-0.000301	± 2.5	PASS
		VN	40	0.06	0.000032	± 2.5	PASS
		VN	50	-0.88	-0.000473	± 2.5	PASS
	MCH	VN	-30	2.56	0.001362	± 2.5	PASS
		VN	-20	-0.51	-0.000271	± 2.5	PASS
		VN	-10	2.25	0.001197	± 2.5	PASS
		VN	0	2.98	0.001585	± 2.5	PASS
		VN	10	2.12	0.001128	± 2.5	PASS
		VN	20	-1.83	-0.000973	± 2.5	PASS

		VN	30	-0.12	-0.000064	± 2.5	PASS
		VN	40	4.2	0.002234	± 2.5	PASS
		VN	50	-0.42	-0.000223	± 2.5	PASS
	HCH	VN	-30	1.02	0.000537	± 2.5	PASS
		VN	-20	2.92	0.001537	± 2.5	PASS
		VN	-10	2.98	0.001568	± 2.5	PASS
		VN	0	4.98	0.002621	± 2.5	PASS
		VN	10	2.81	0.001479	± 2.5	PASS
		VN	20	1.9	0.001000	± 2.5	PASS
		VN	30	4.29	0.002258	± 2.5	PASS
		VN	40	-1.84	-0.000968	± 2.5	PASS
		VN	50	2.01	0.001058	± 2.5	PASS
16QAM	LCH	VN	-30	-1.71	-0.000919	± 2.5	PASS
		VN	-20	0.27	0.000145	± 2.5	PASS
		VN	-10	-1.72	-0.000925	± 2.5	PASS
		VN	0	-1.82	-0.000978	± 2.5	PASS
		VN	10	3.28	0.001763	± 2.5	PASS
		VN	20	0.15	0.000081	± 2.5	PASS
		VN	30	4.65	0.002500	± 2.5	PASS
		VN	40	4.19	0.002253	± 2.5	PASS
	MCH	VN	50	2.78	0.001495	± 2.5	PASS
		VN	-30	-0.74	-0.000394	± 2.5	PASS
		VN	-20	0.67	0.000356	± 2.5	PASS
		VN	-10	1.18	0.000628	± 2.5	PASS
		VN	0	4.97	0.002644	± 2.5	PASS
		VN	10	4.6	0.002447	± 2.5	PASS
		VN	20	-0.08	-0.000043	± 2.5	PASS
		VN	30	2.47	0.001314	± 2.5	PASS
		VN	40	0.58	0.000309	± 2.5	PASS
	HCH	VN	50	1.95	0.001037	± 2.5	PASS
		VN	-30	2.01	0.001058	± 2.5	PASS
		VN	-20	3.61	0.001900	± 2.5	PASS
		VN	-10	4.3	0.002263	± 2.5	PASS
		VN	0	1.54	0.000811	± 2.5	PASS
		VN	10	4.9	0.002579	± 2.5	PASS
		VN	20	1.2	0.000632	± 2.5	PASS
VN		30	1.89	0.000995	± 2.5	PASS	
VN	40	-1.13	-0.000595	± 2.5	PASS		
VN	50	-1.49	-0.000784	± 2.5	PASS		