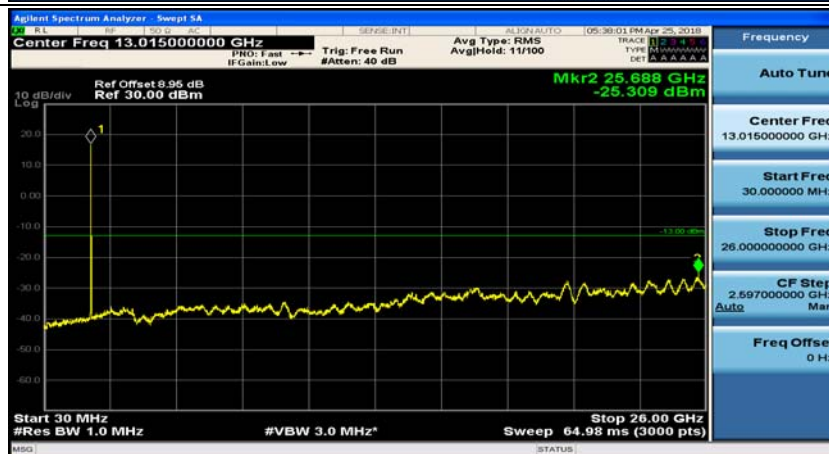
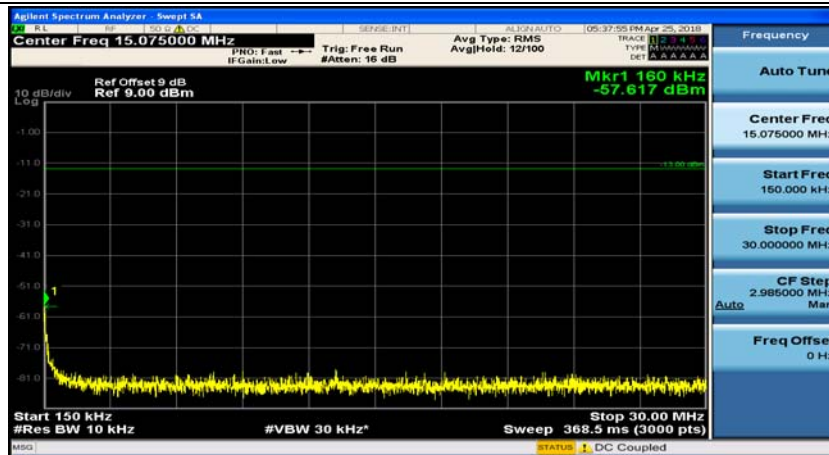
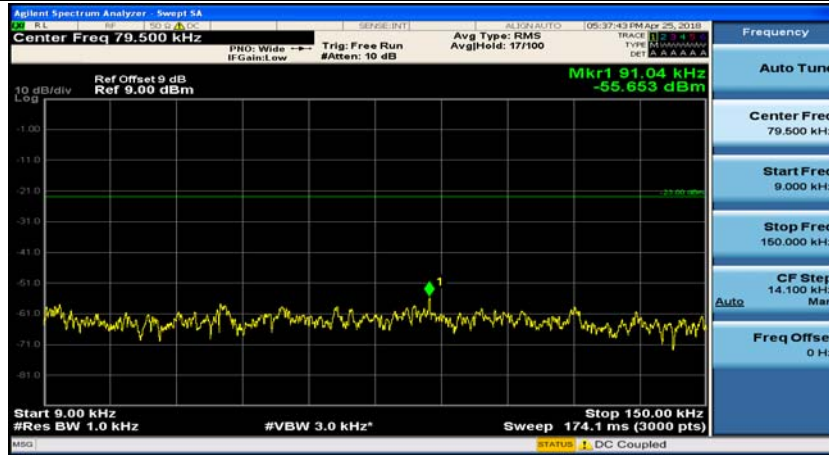
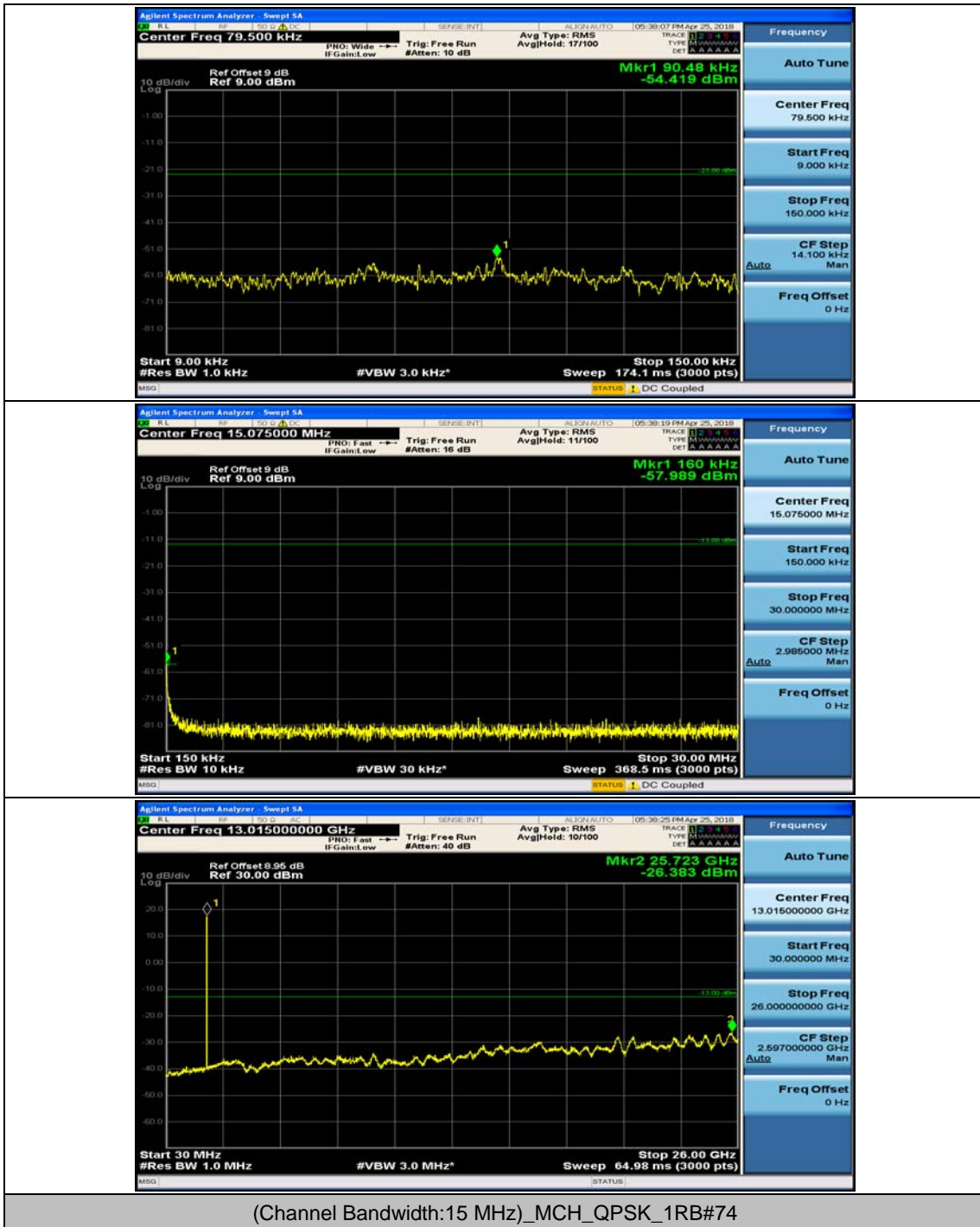
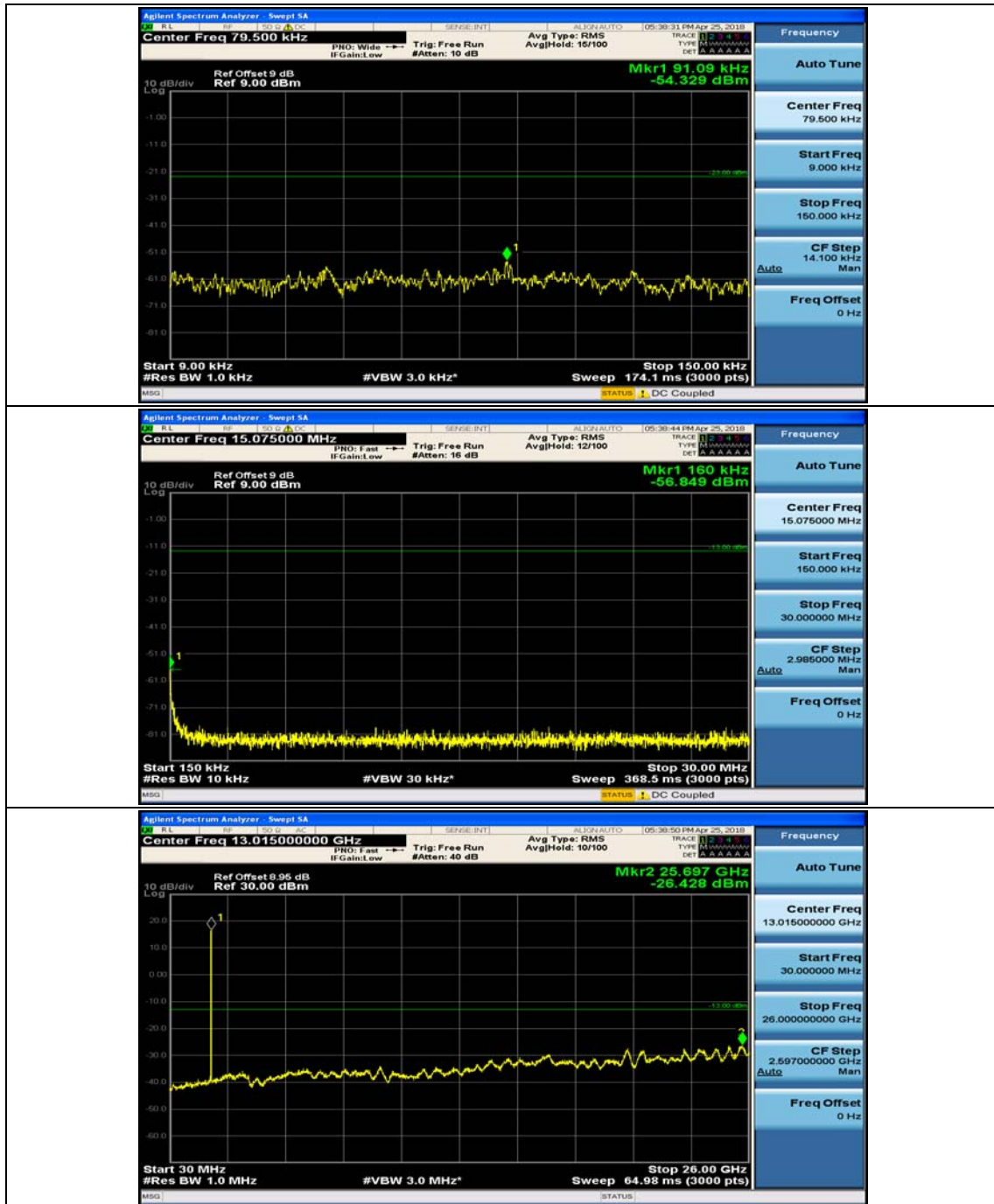


(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#0



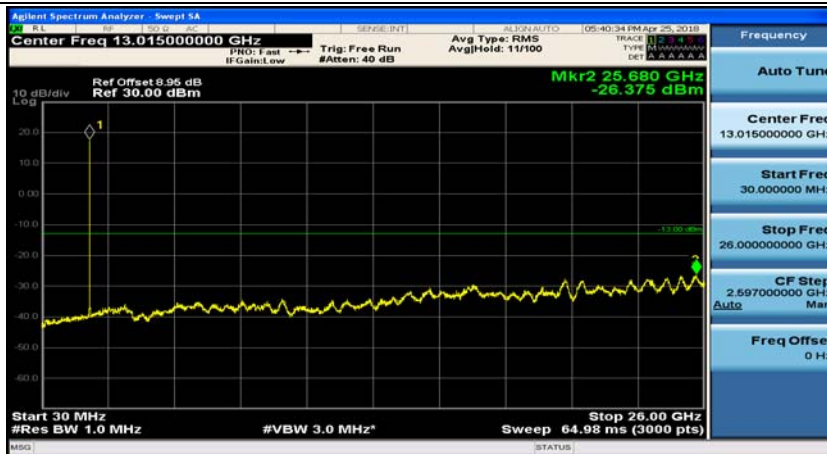
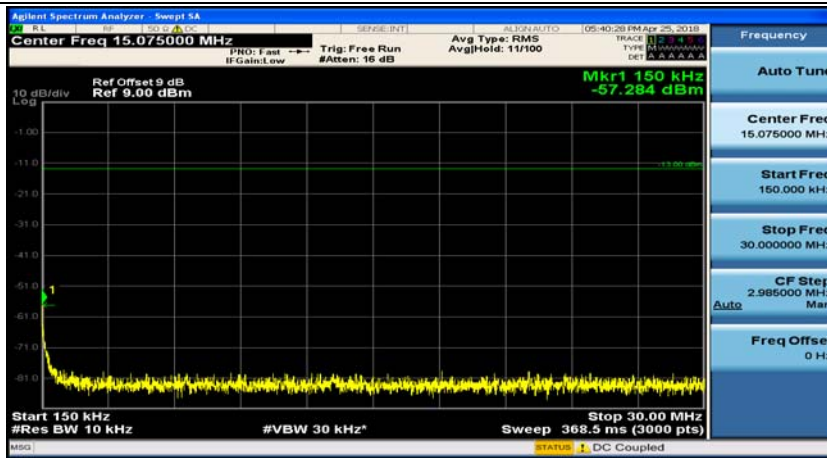
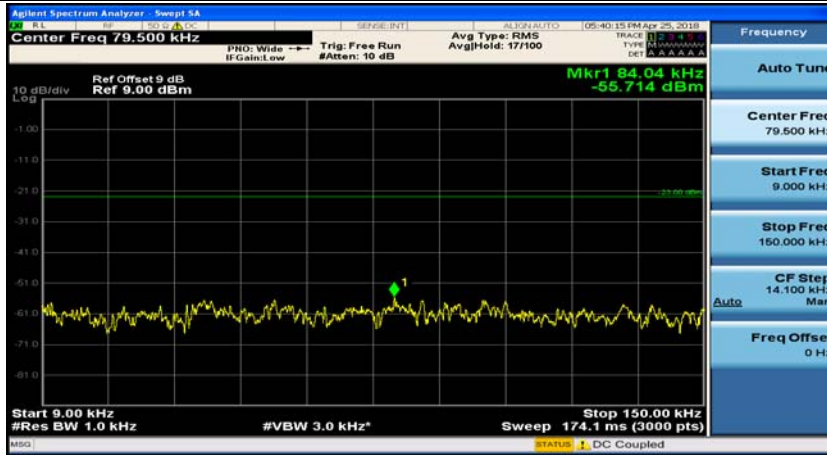
(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#37



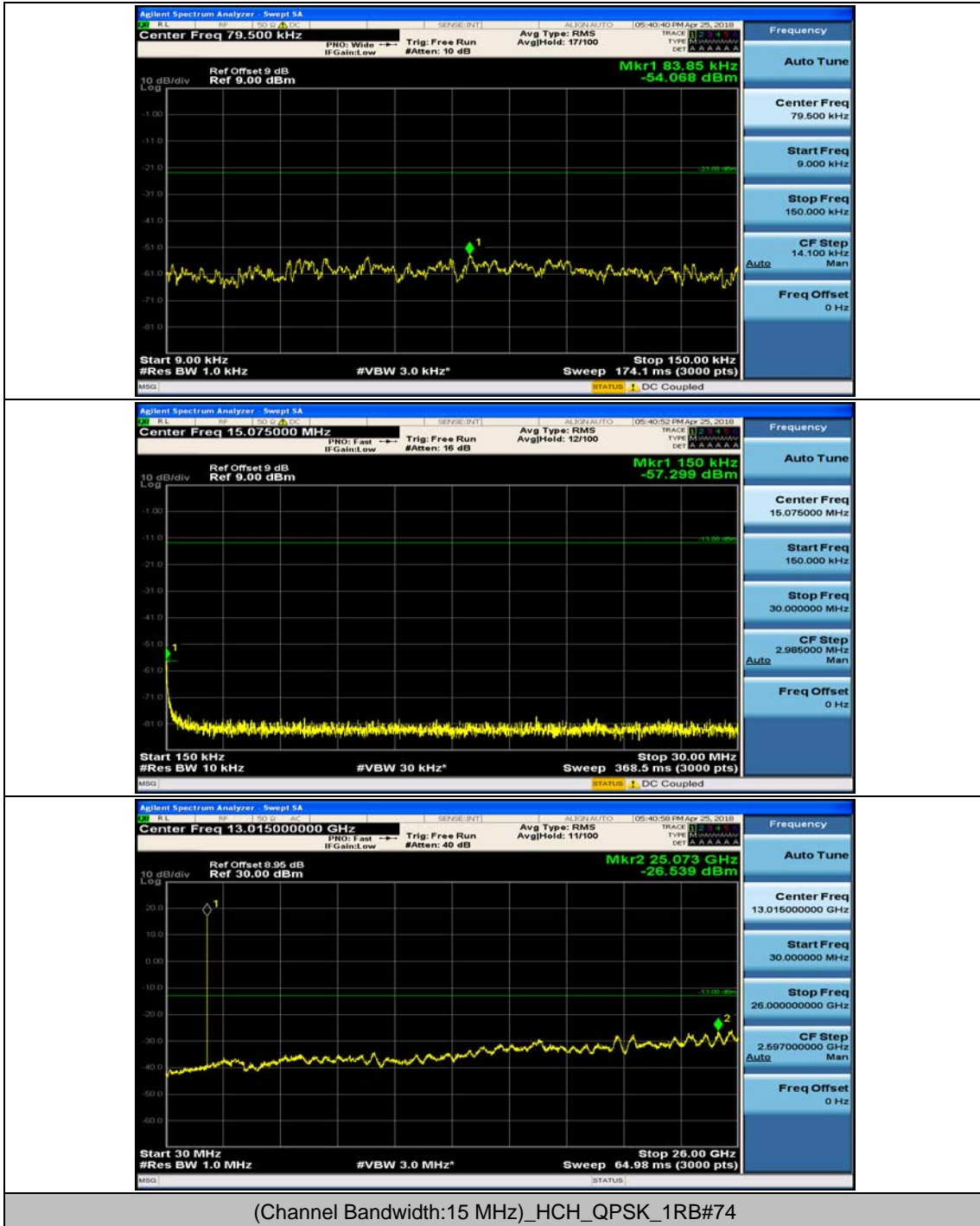


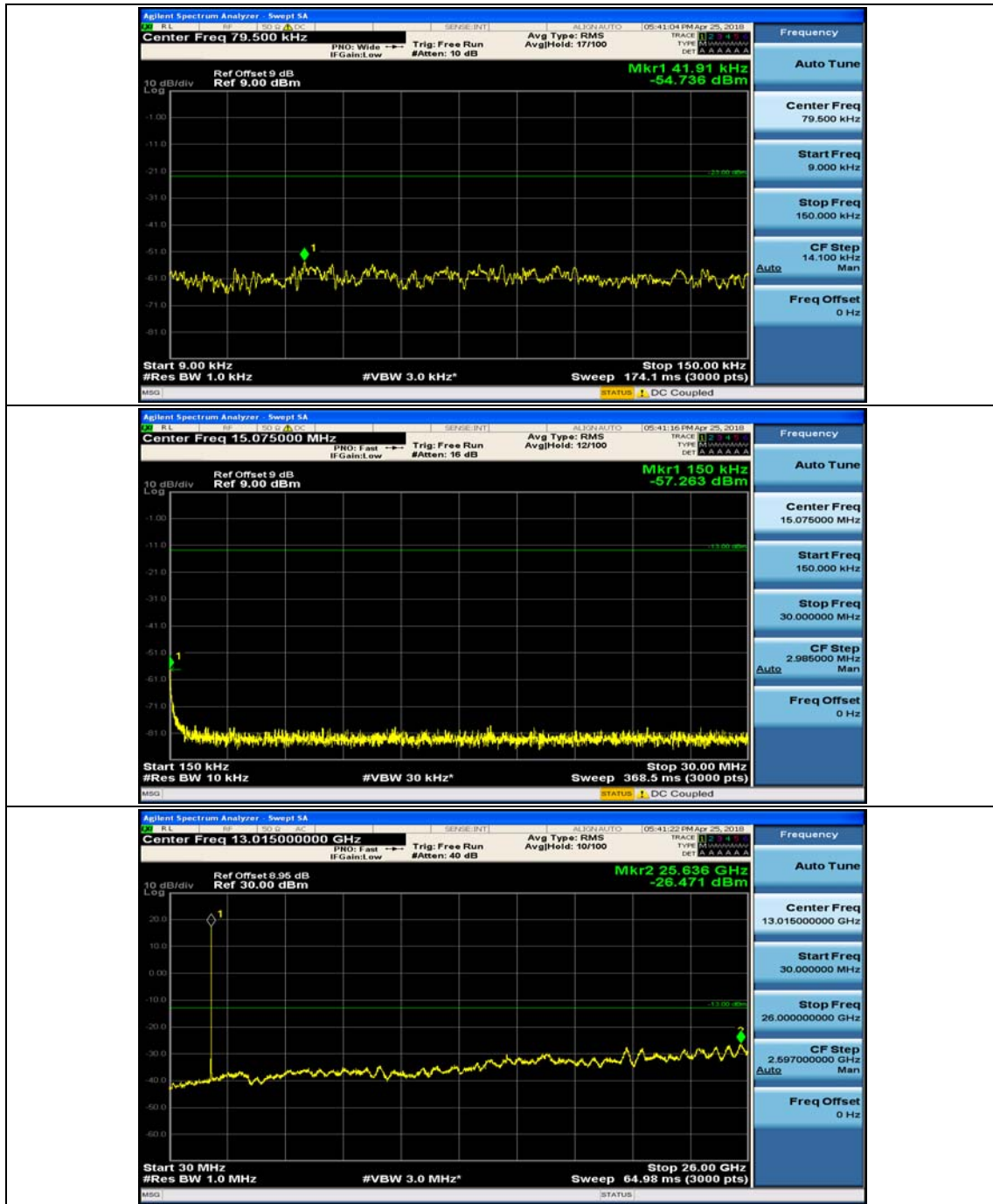


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#0



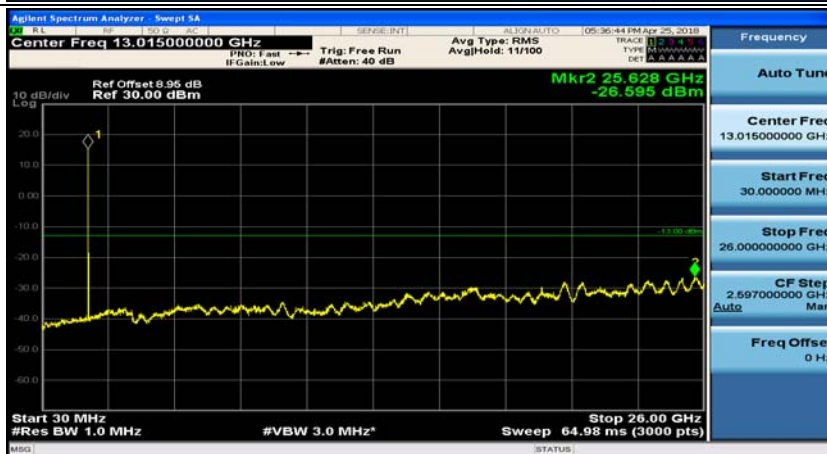
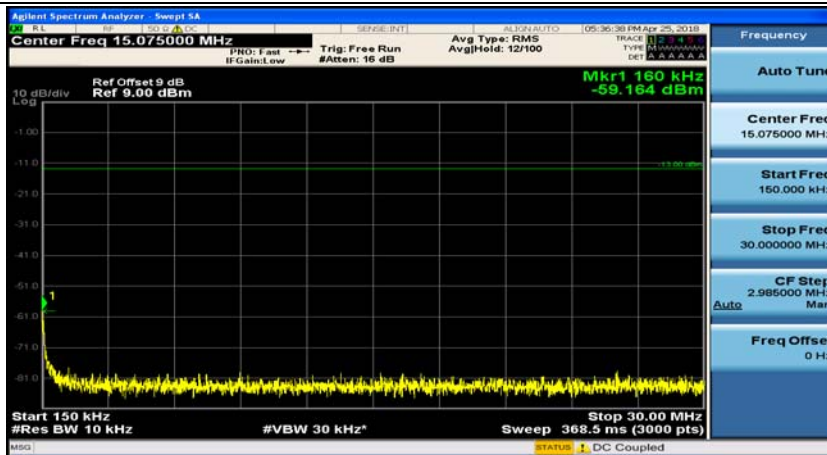
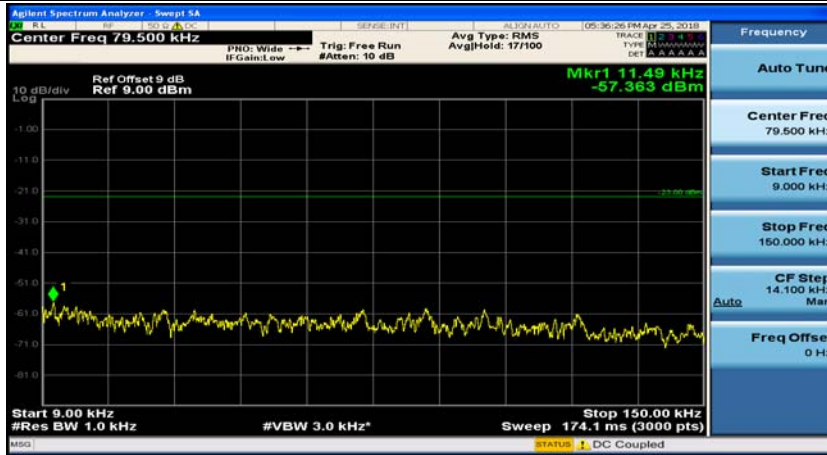
(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#37



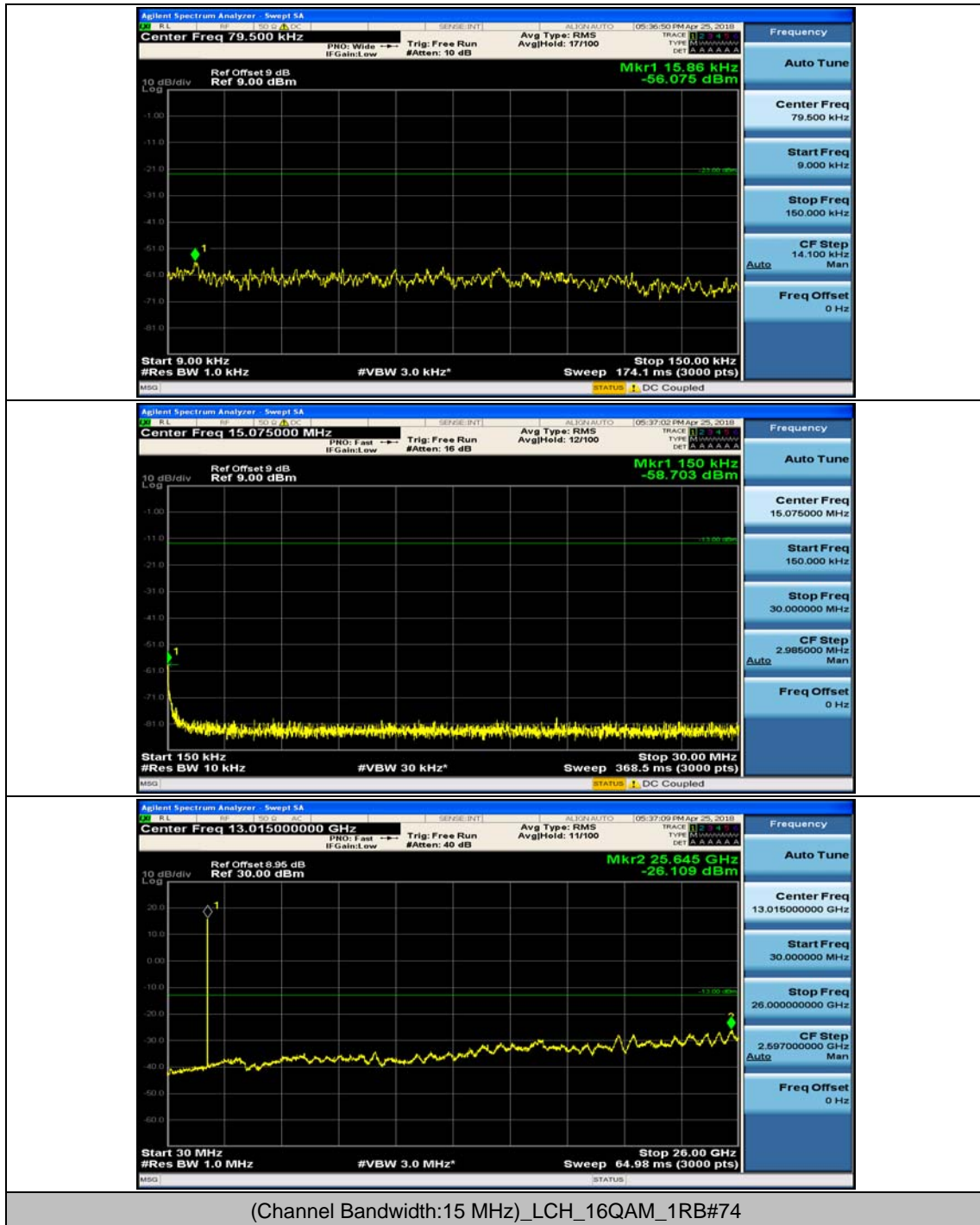


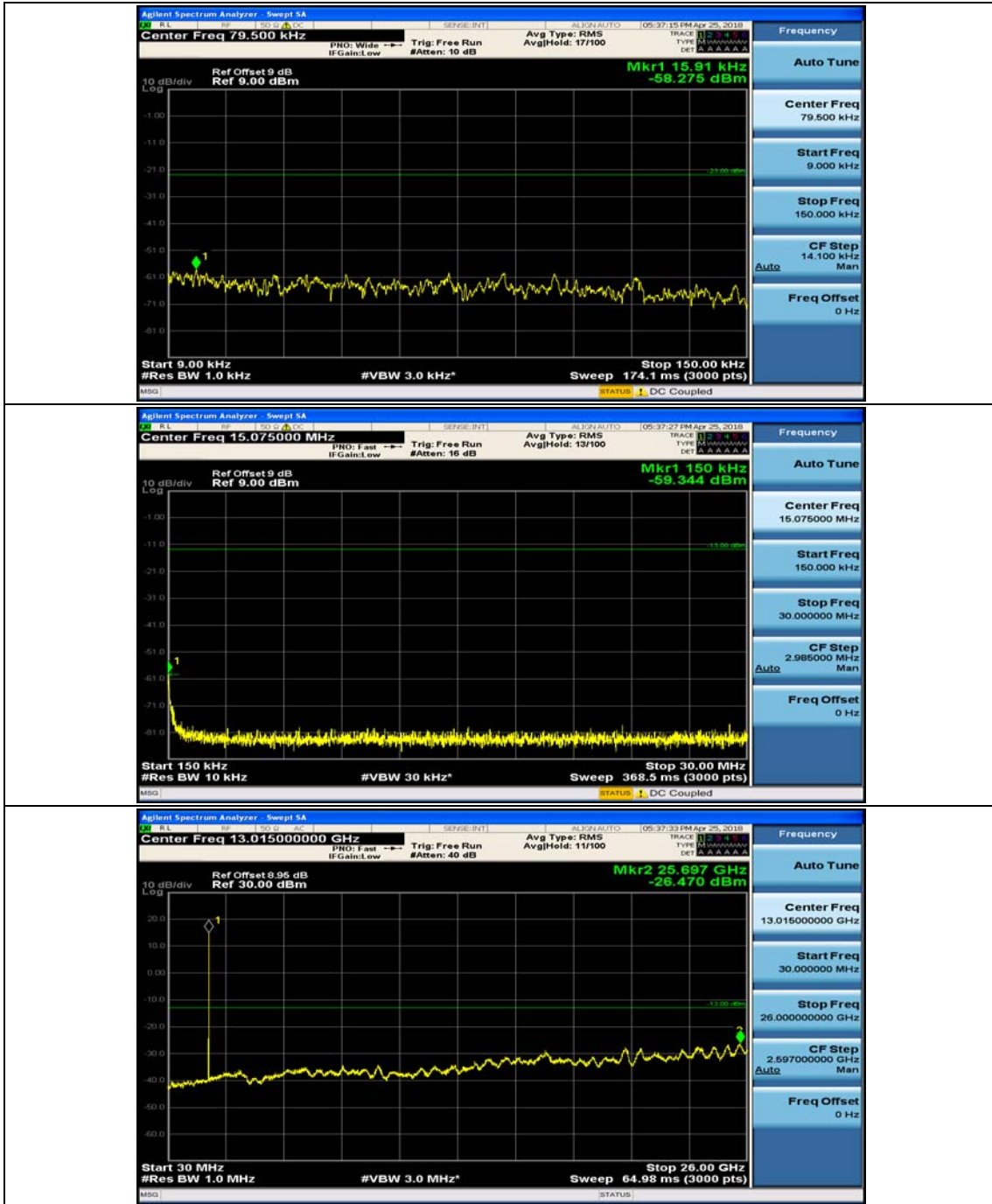


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0

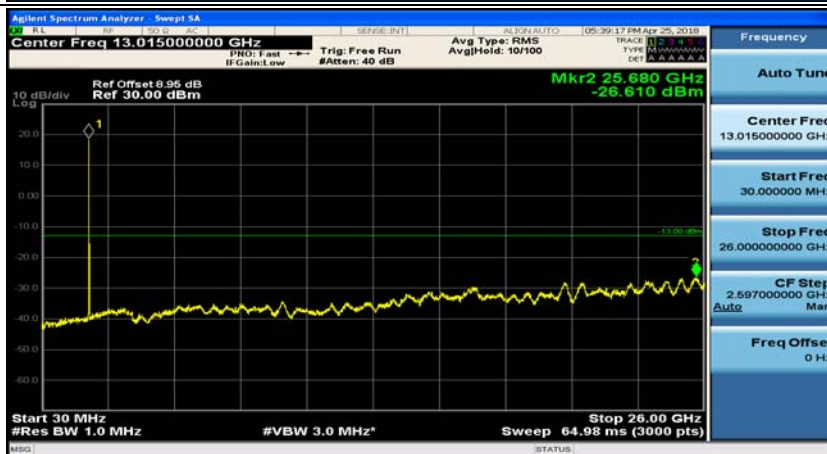
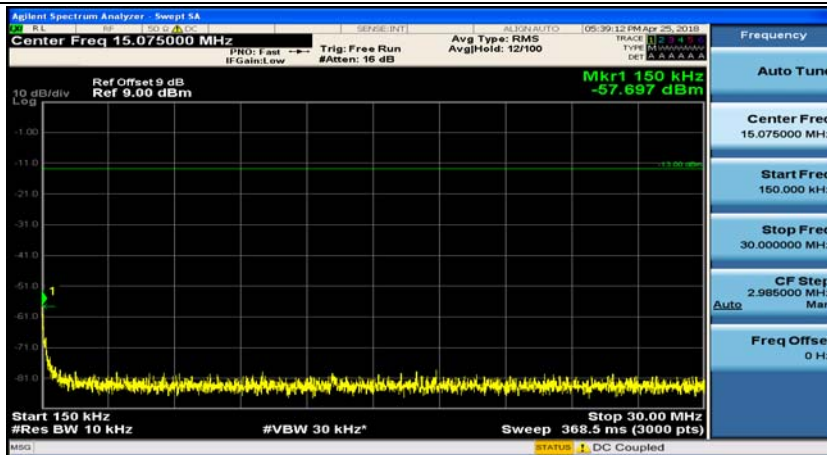
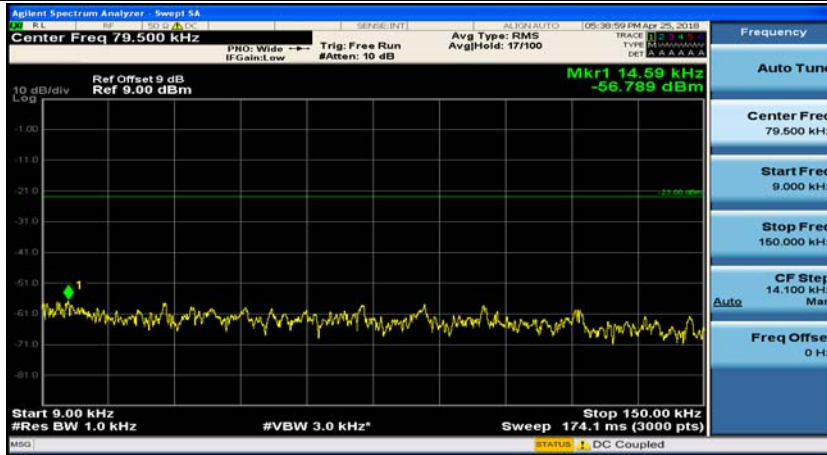


(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37

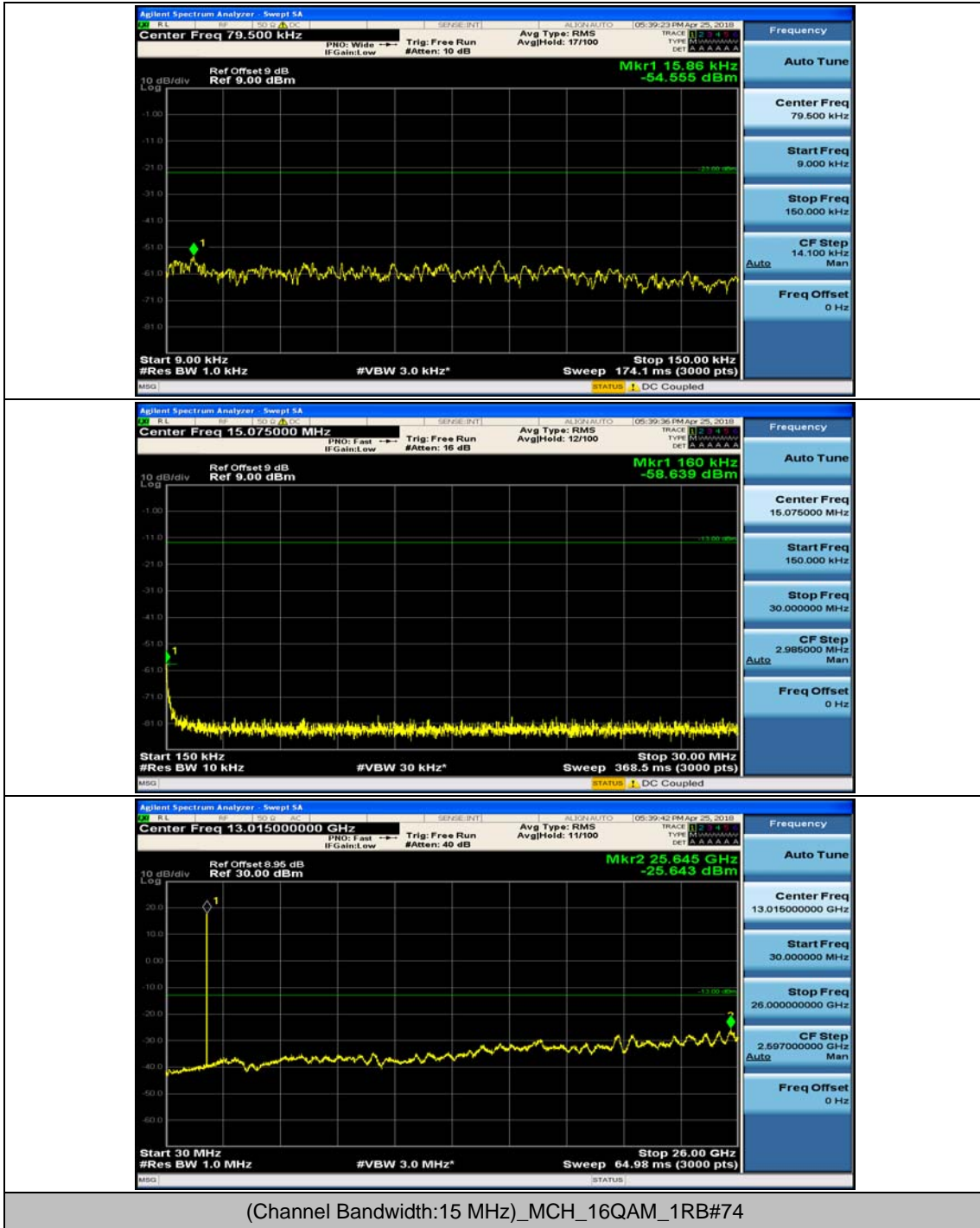




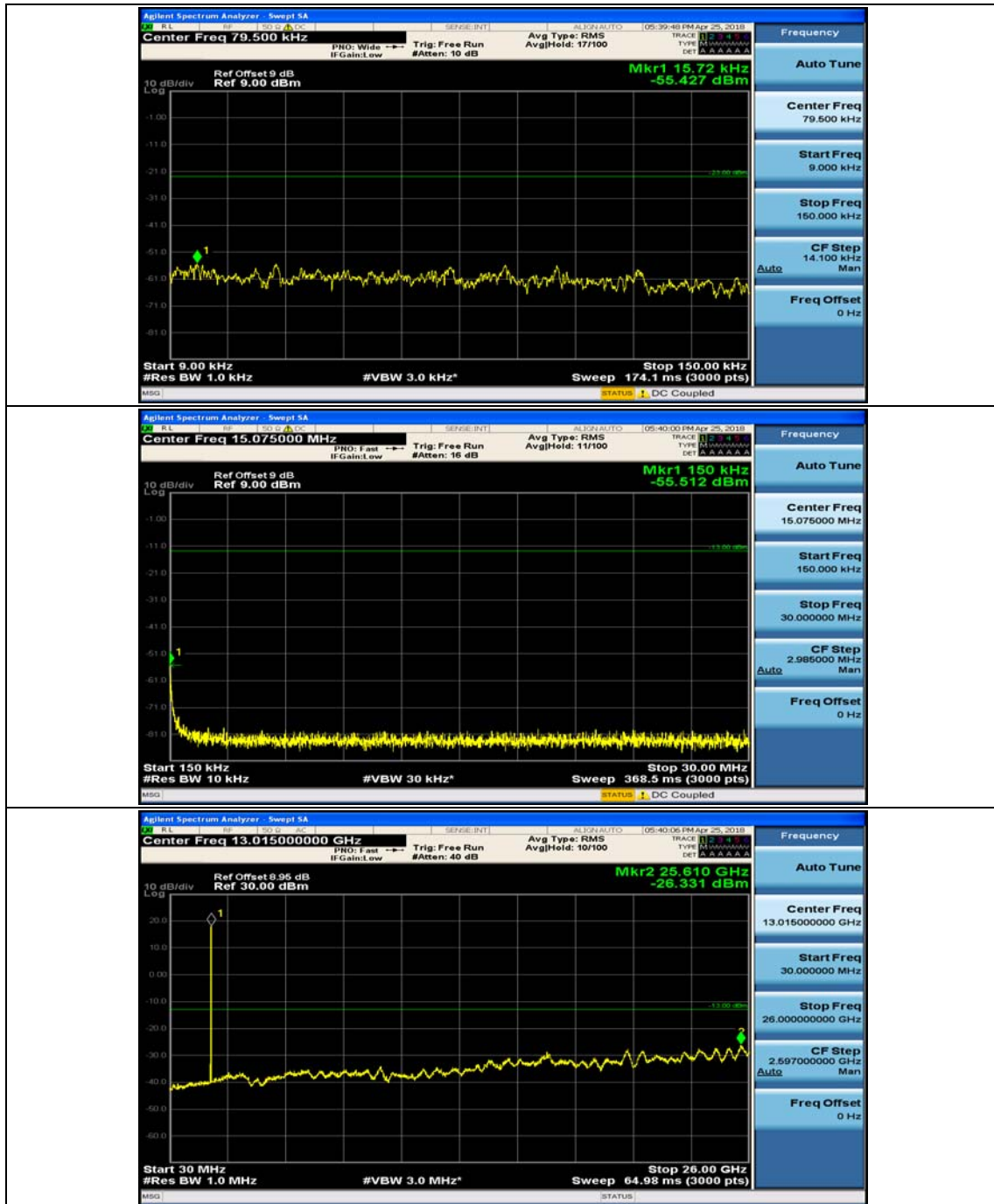
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0



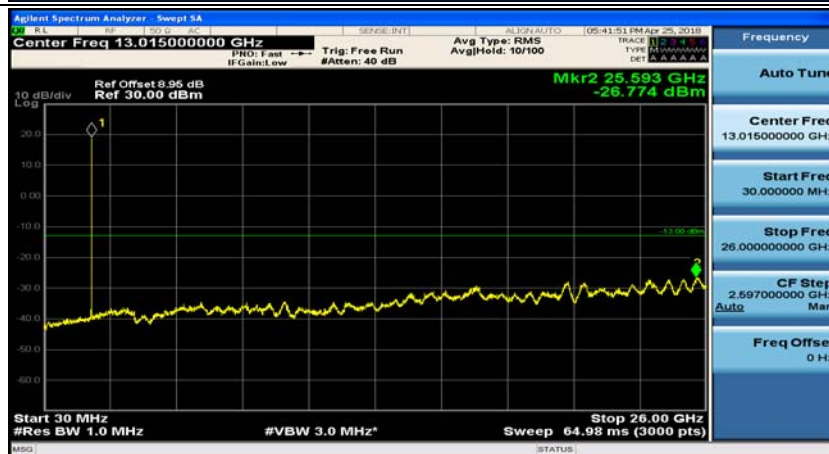
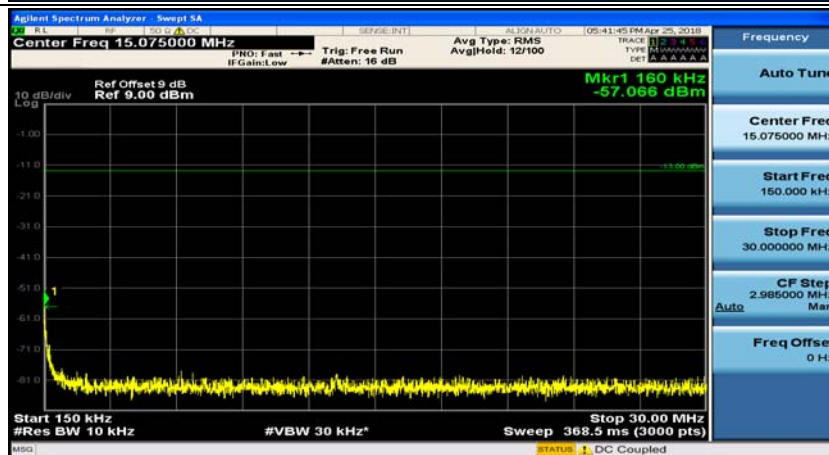
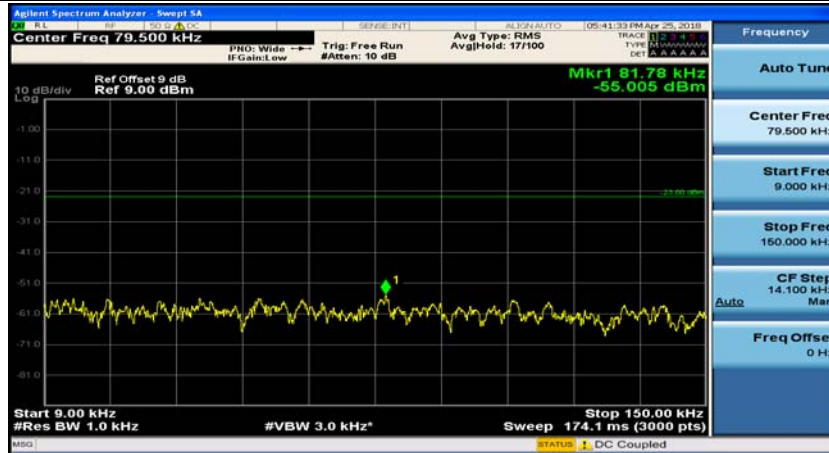
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37



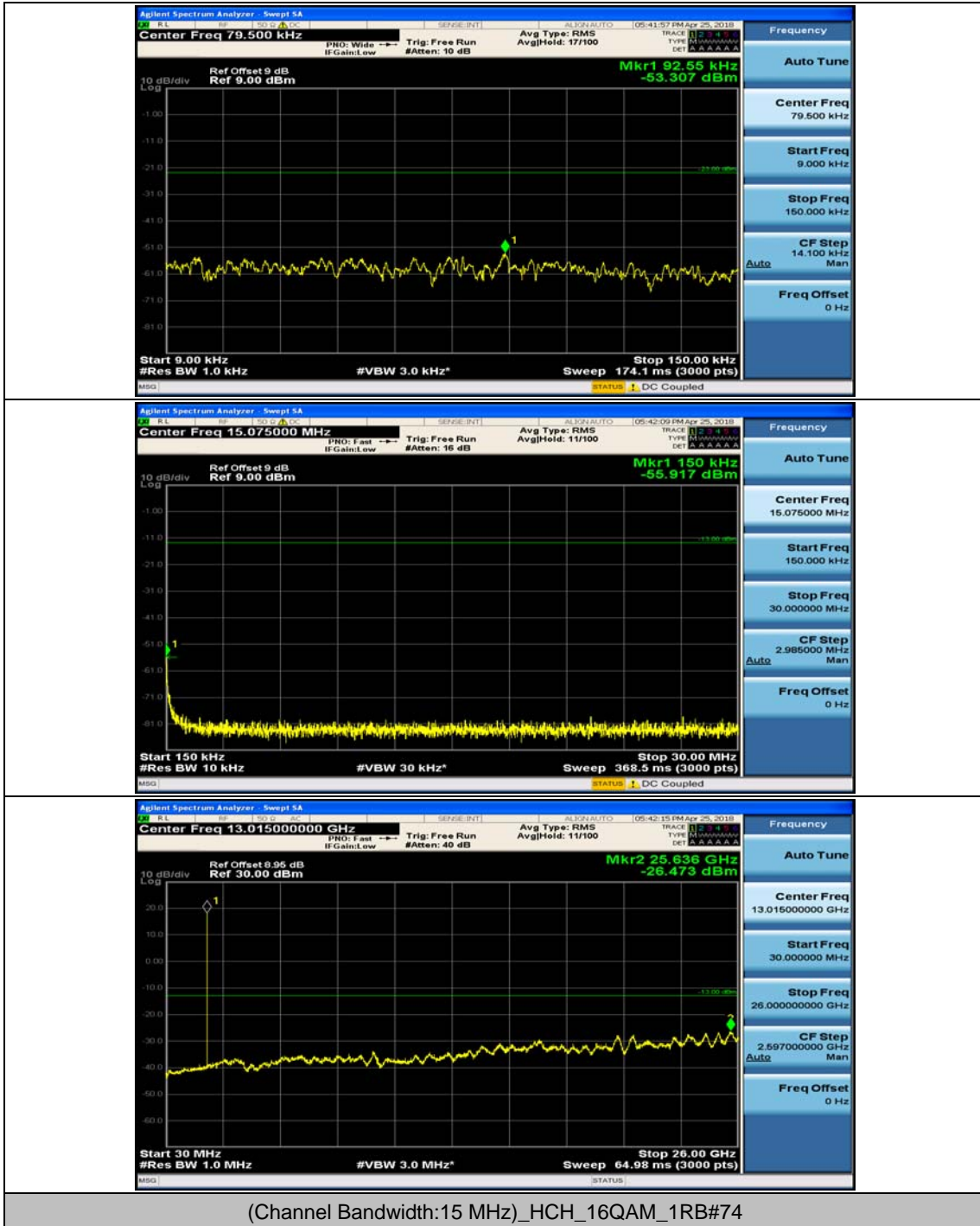


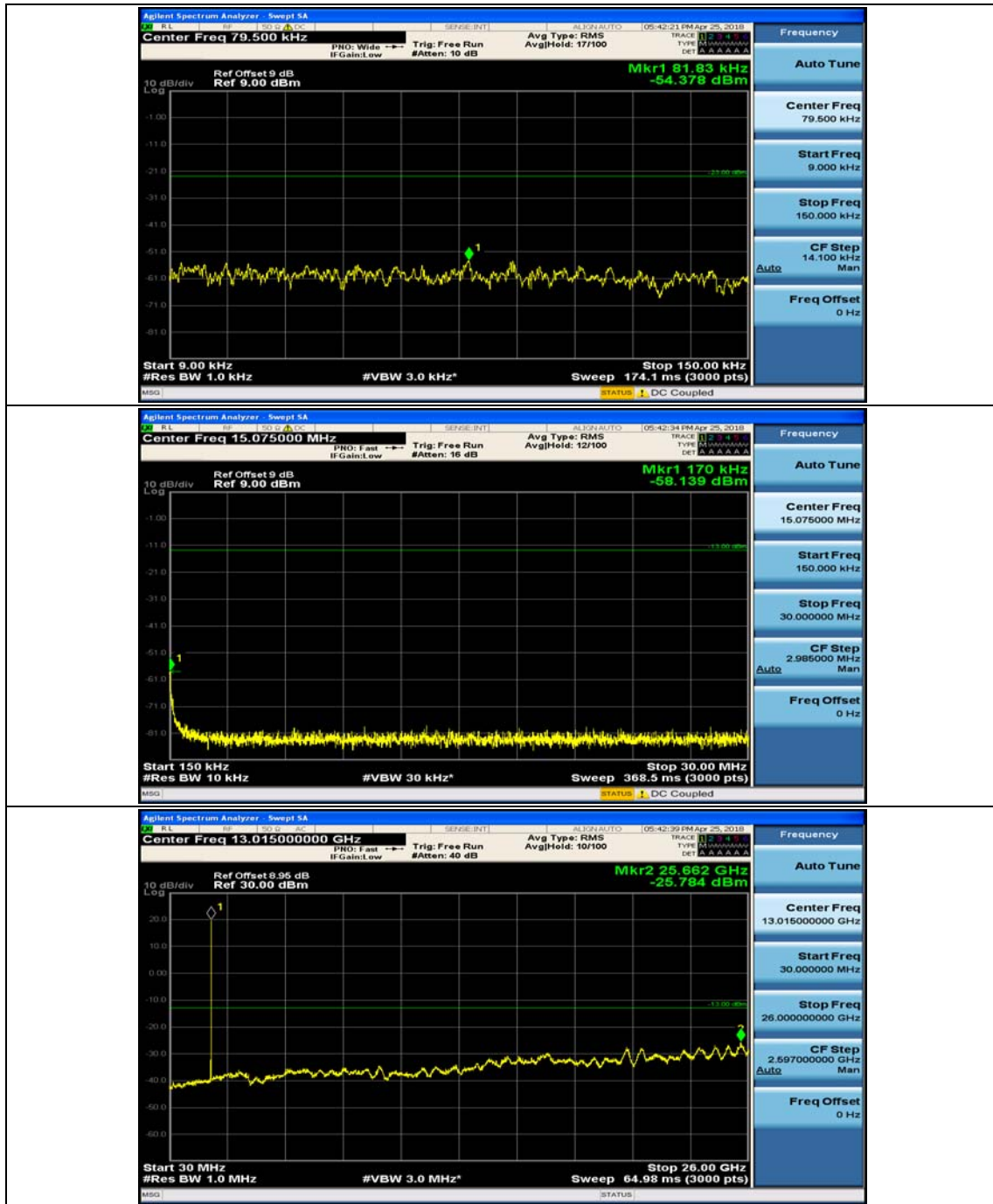


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0

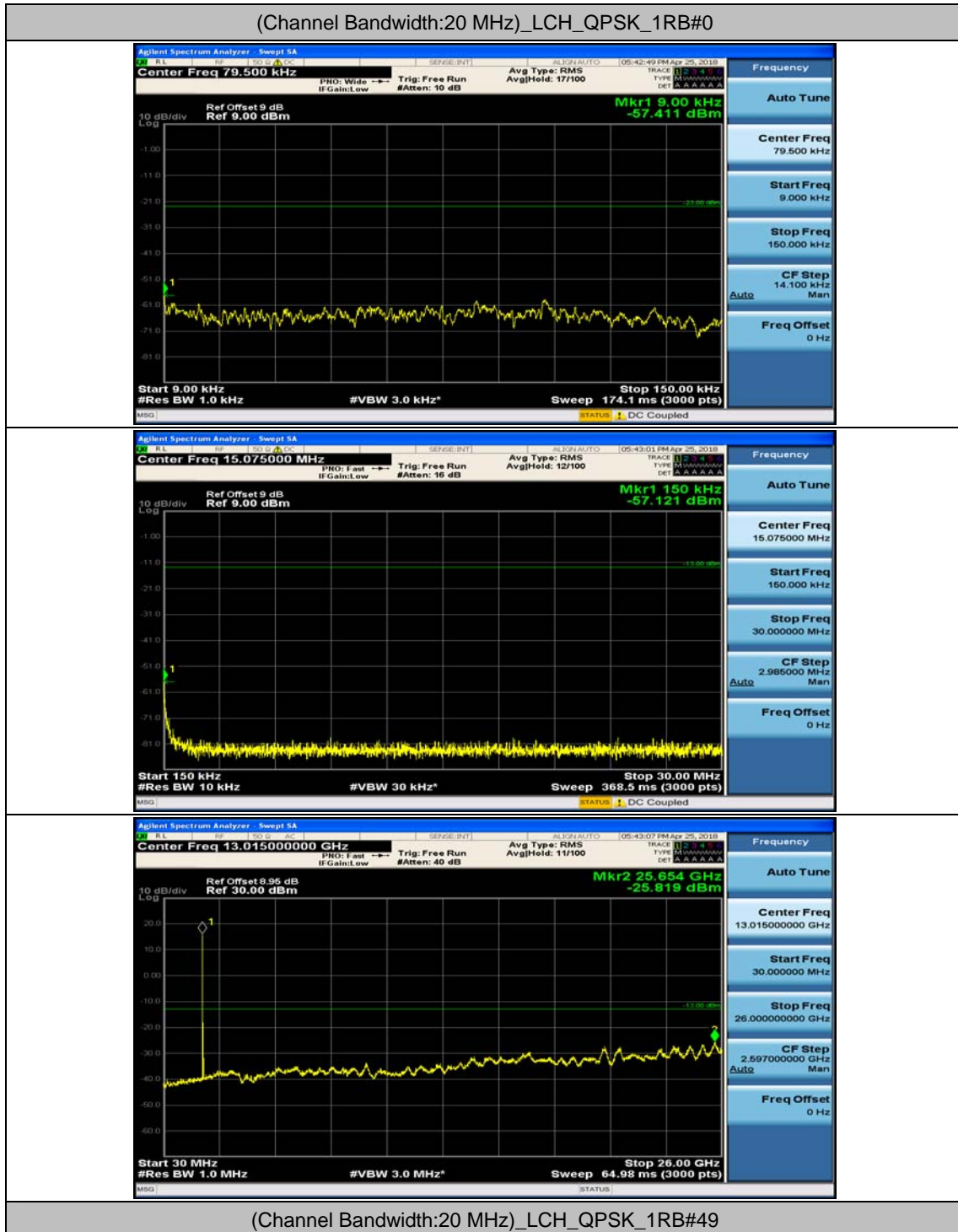


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37

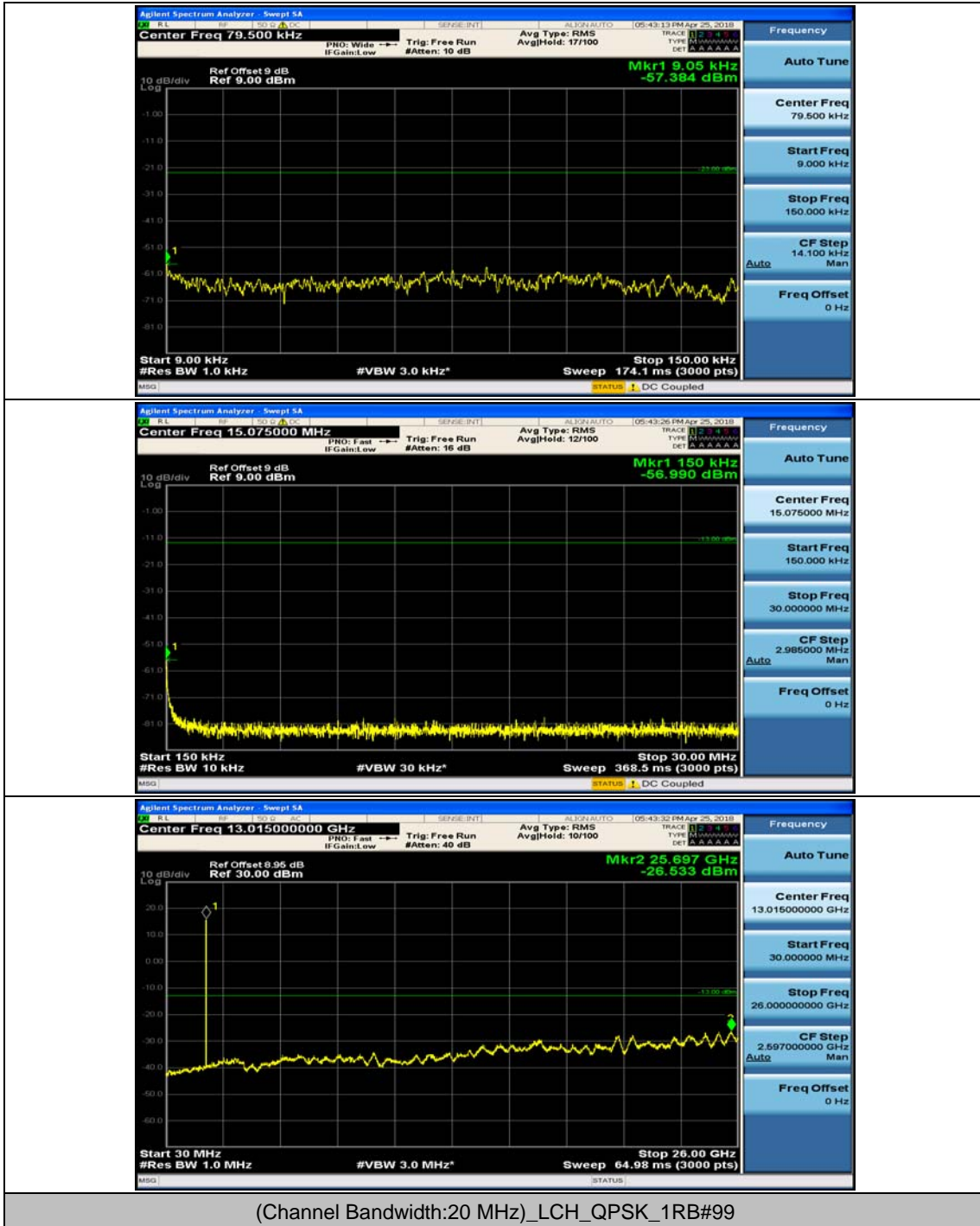


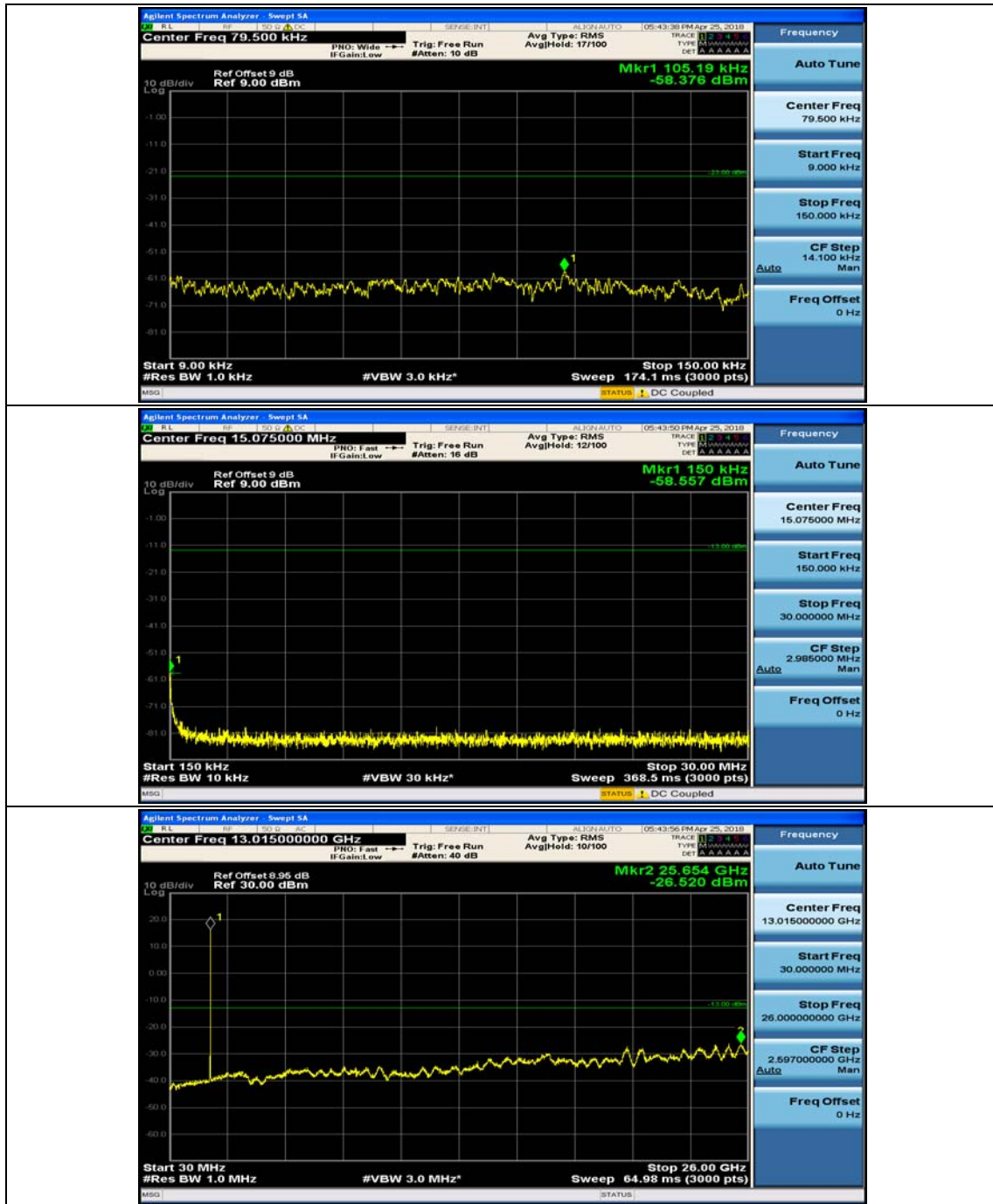


### Channel Bandwidth: 20 MHz

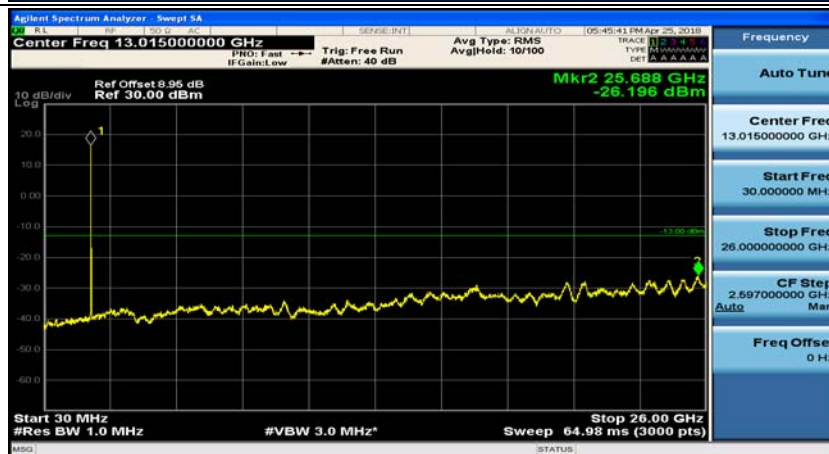
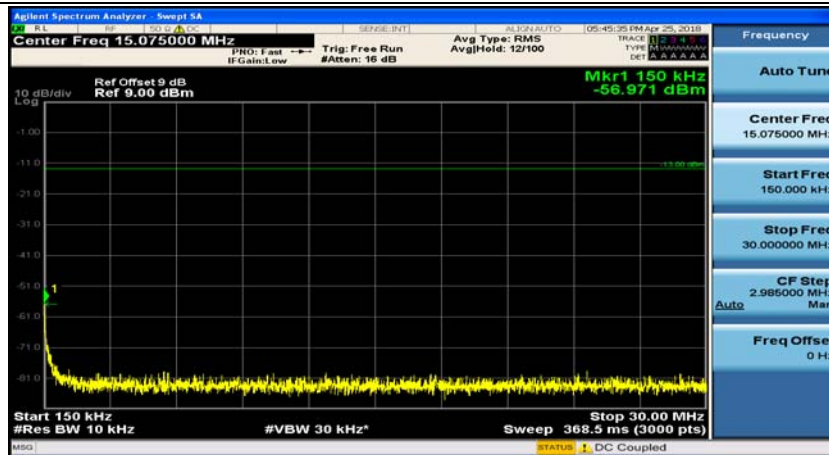
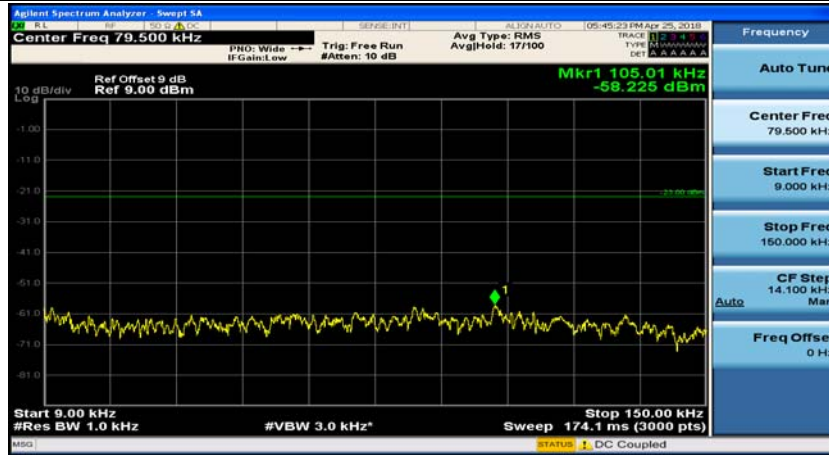




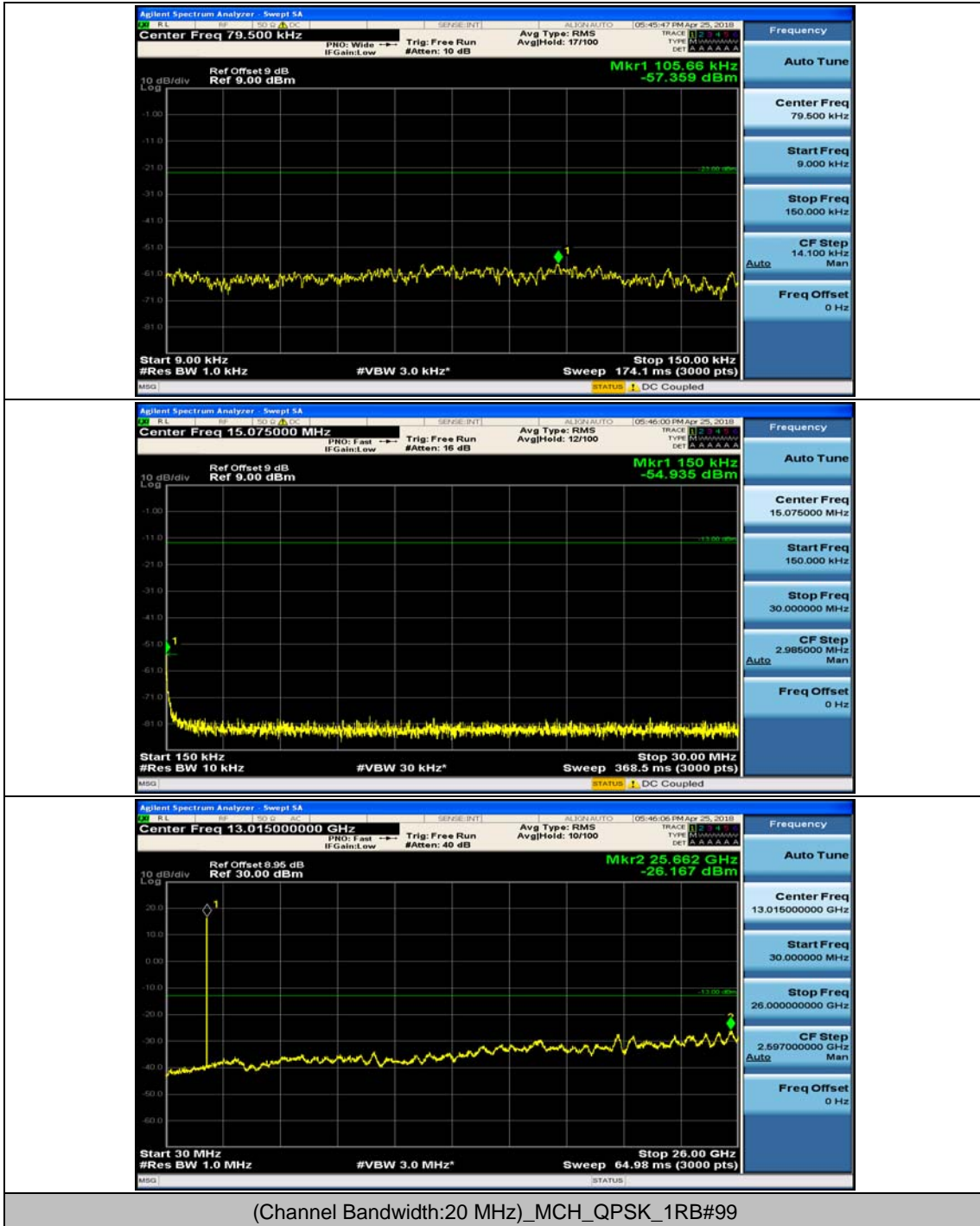


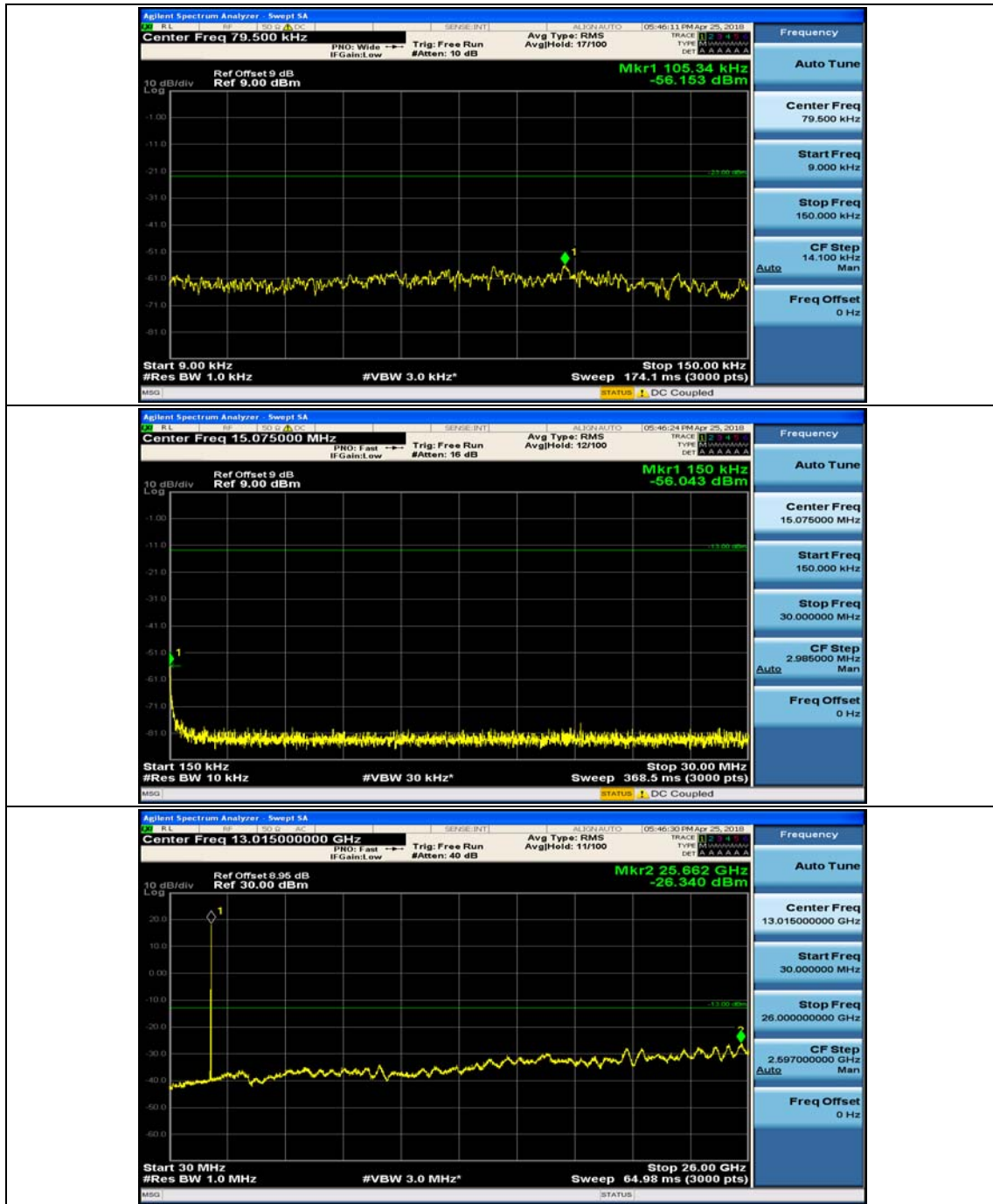


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0



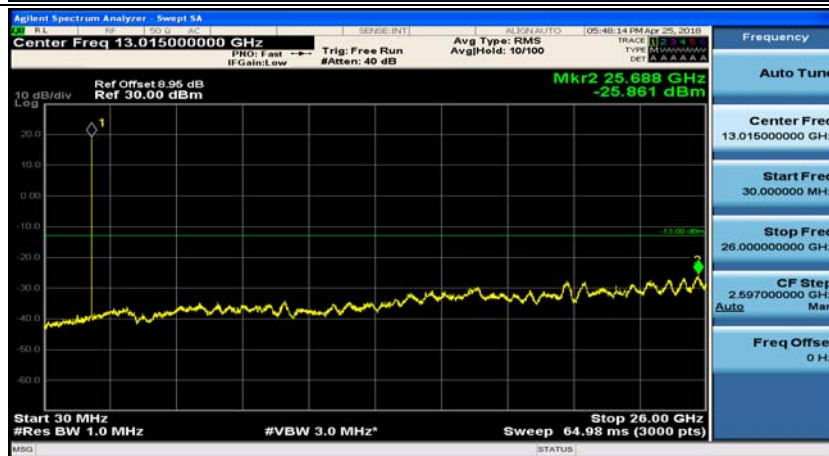
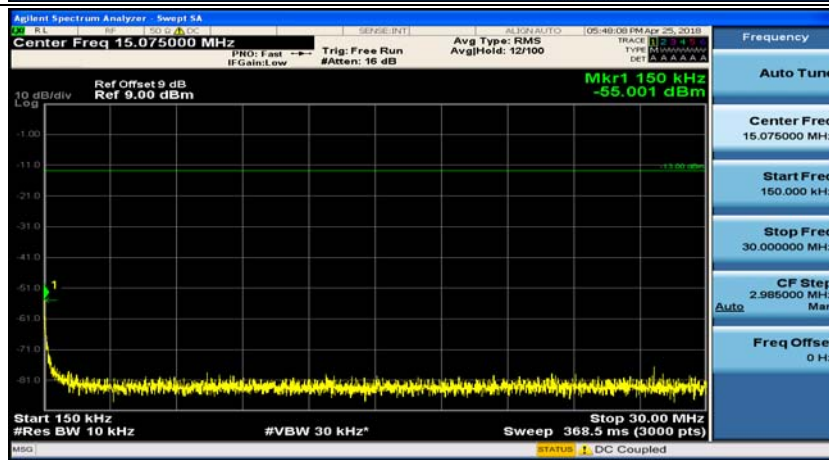
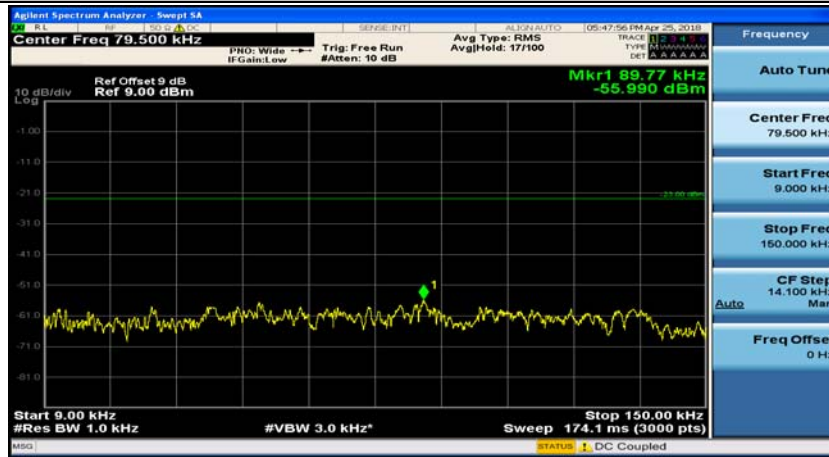
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49



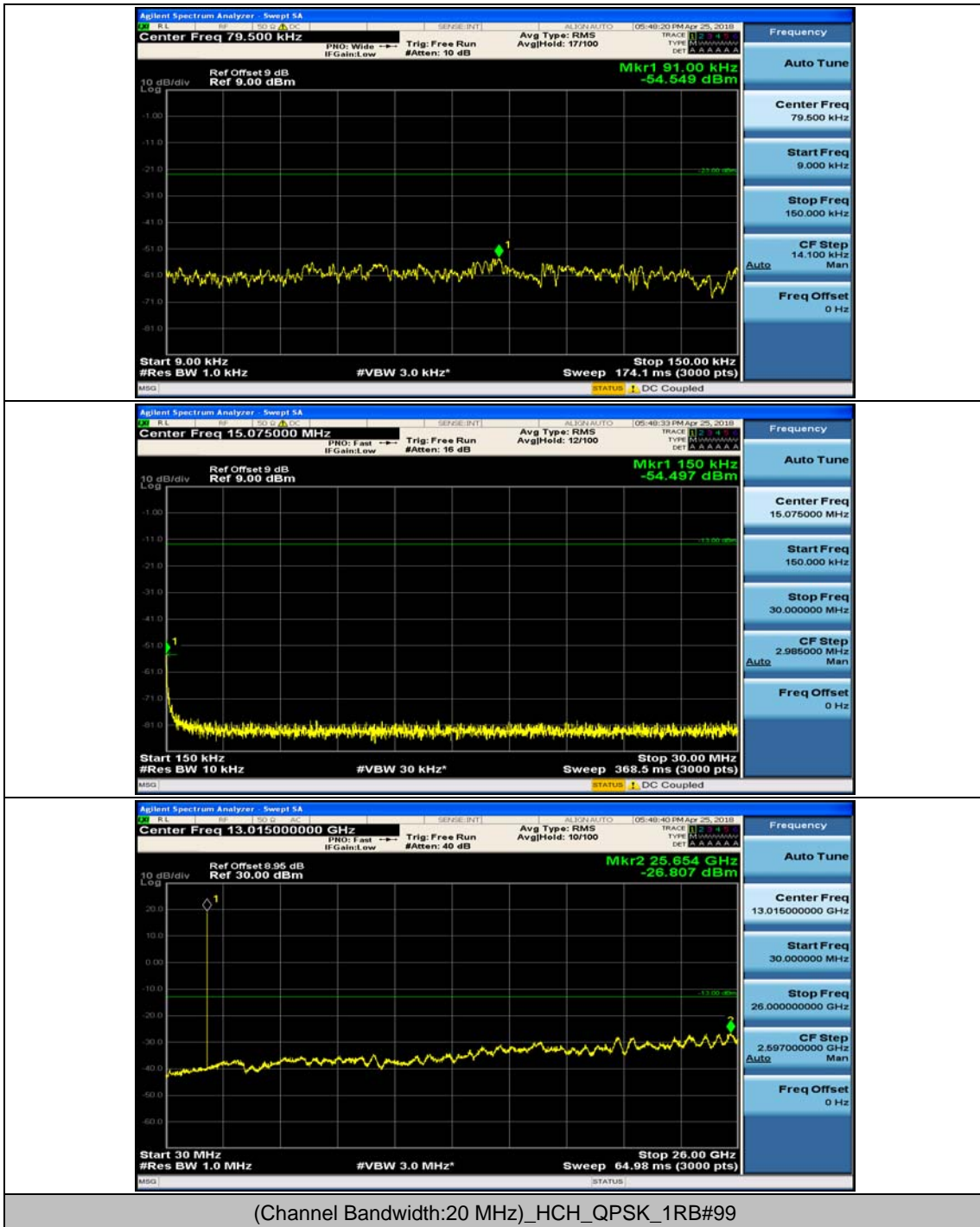


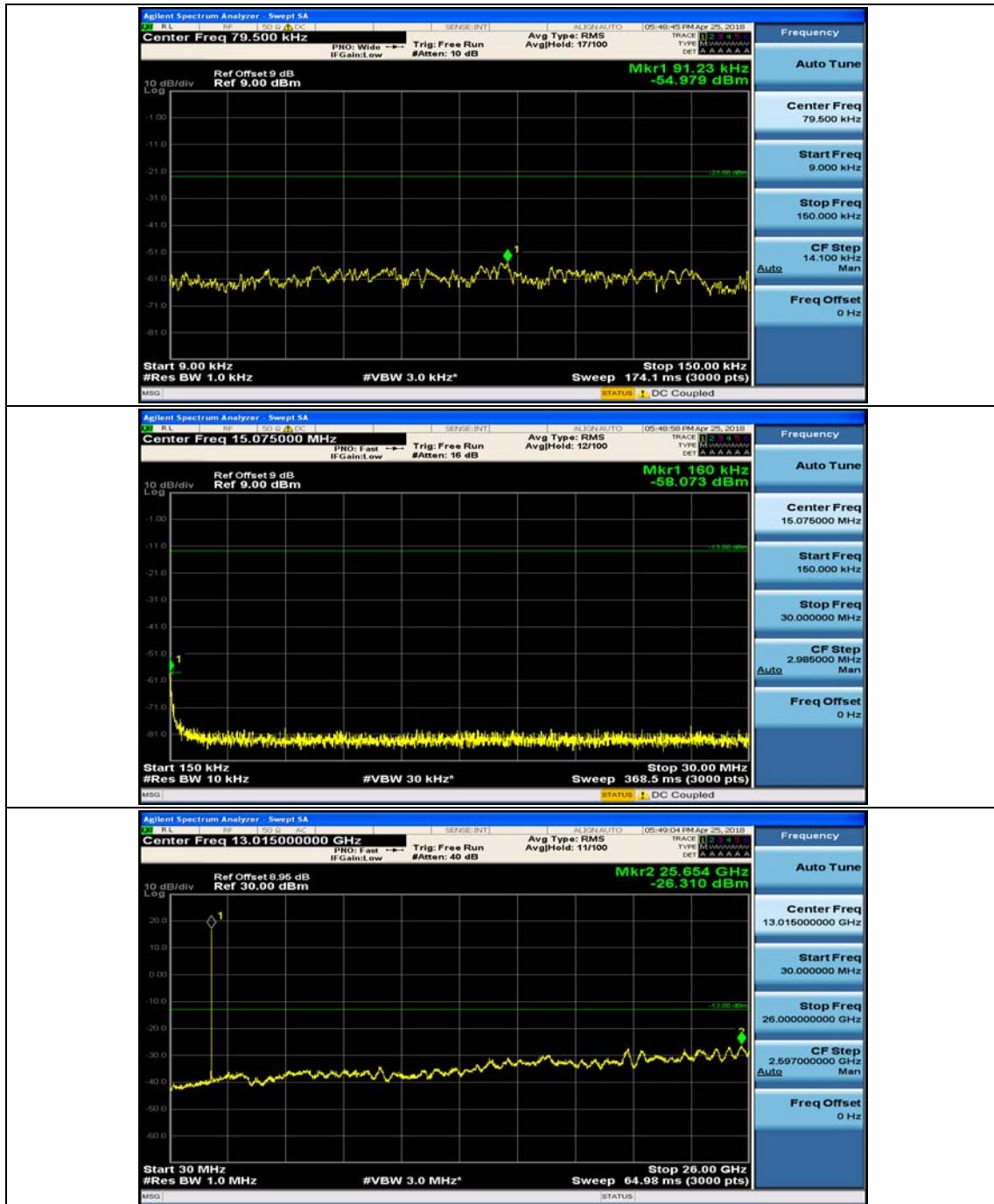


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

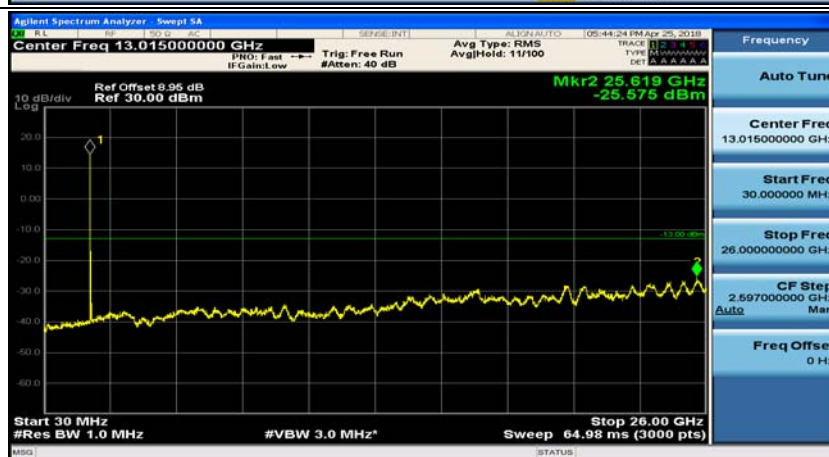
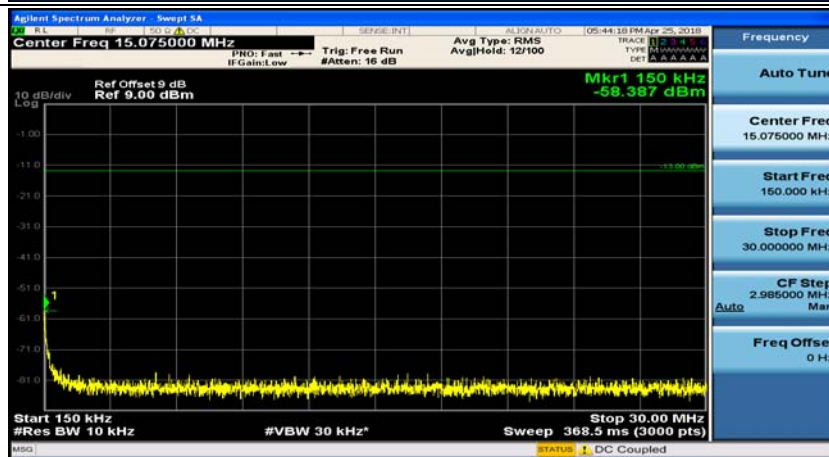
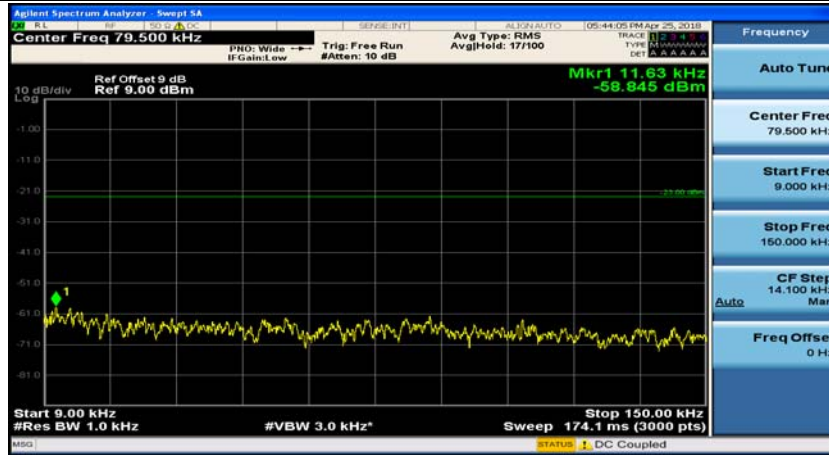


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49

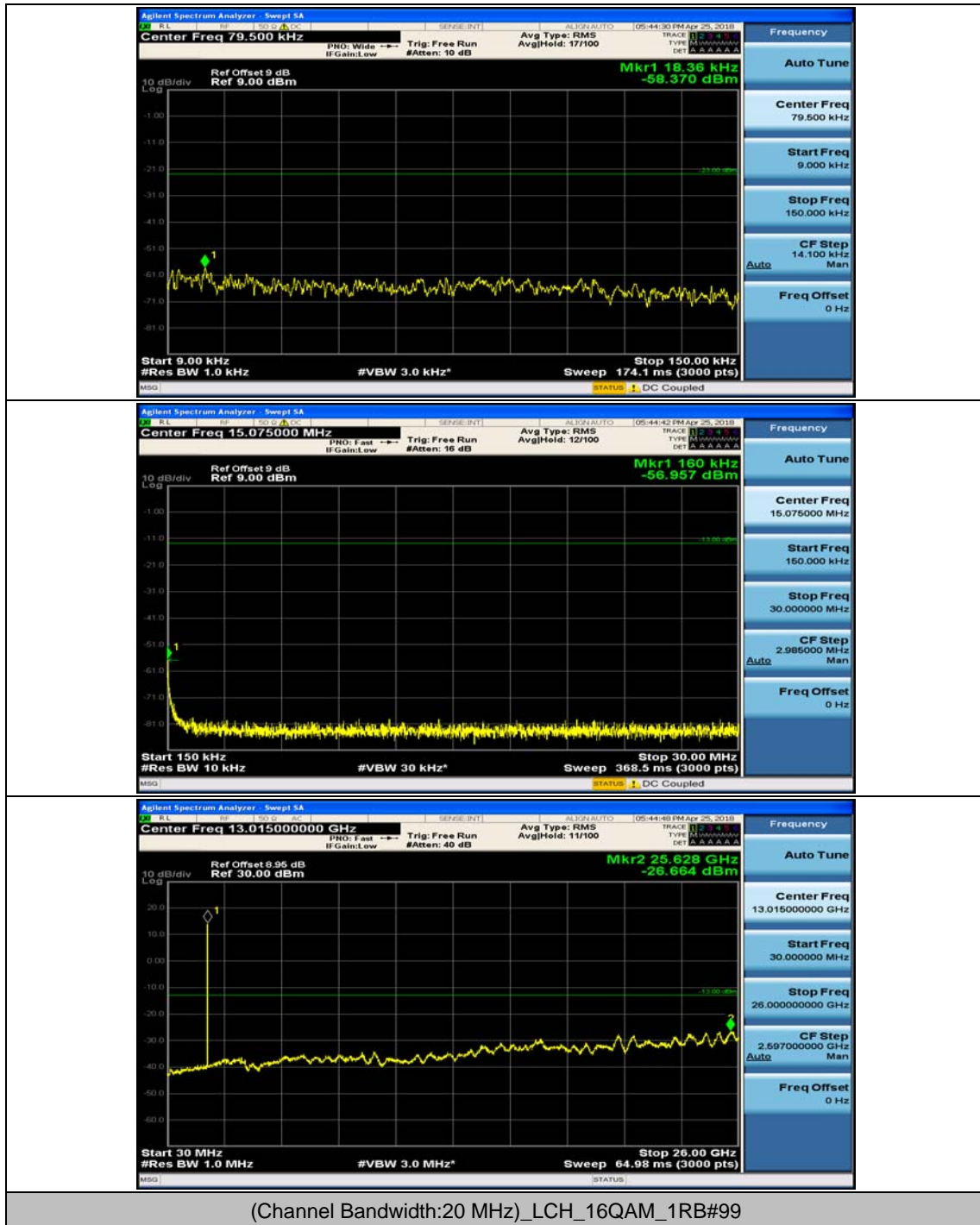




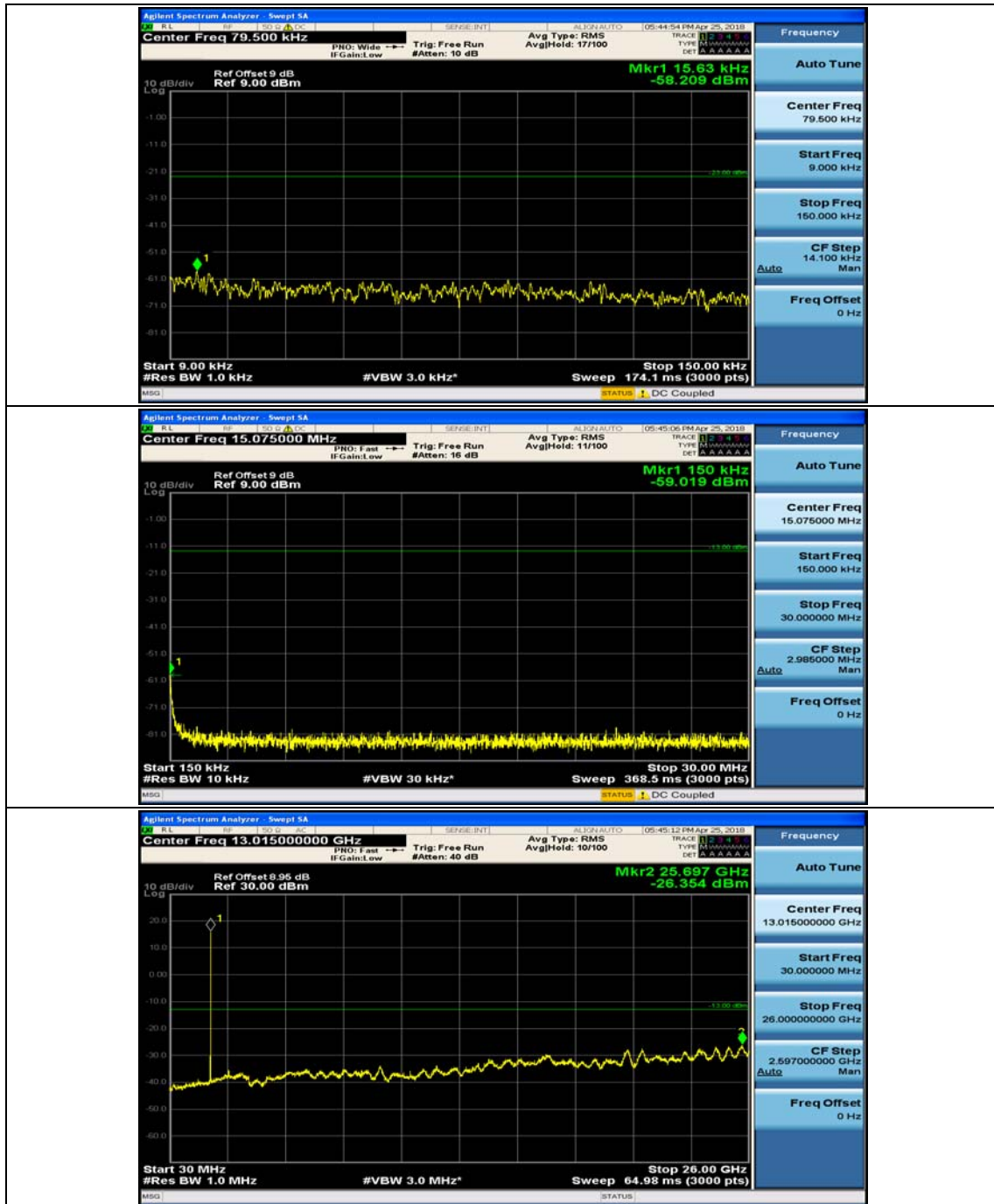
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



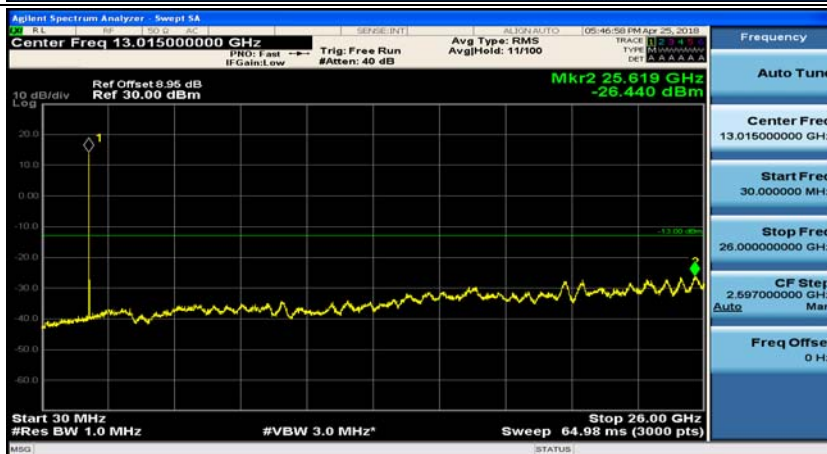
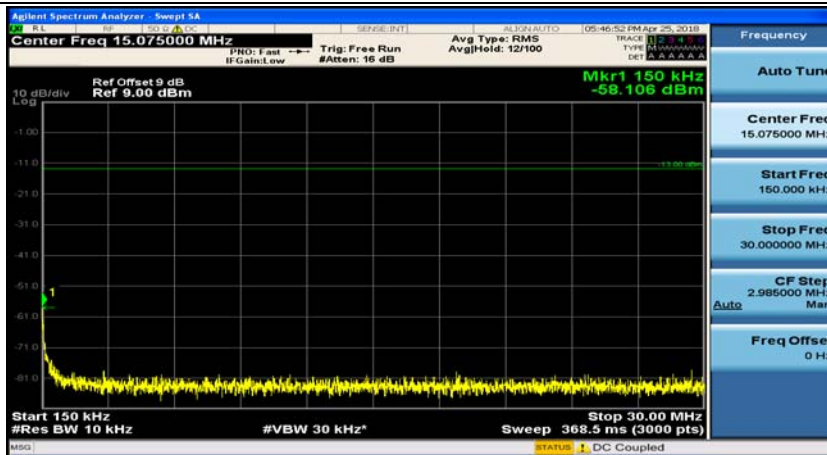
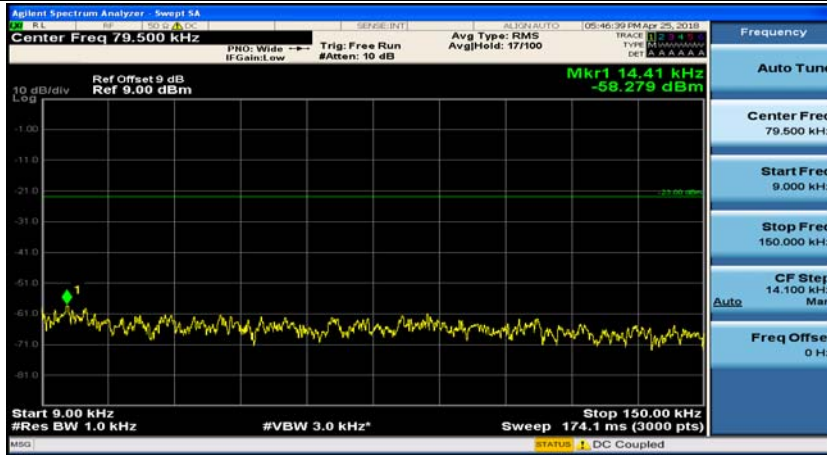
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49



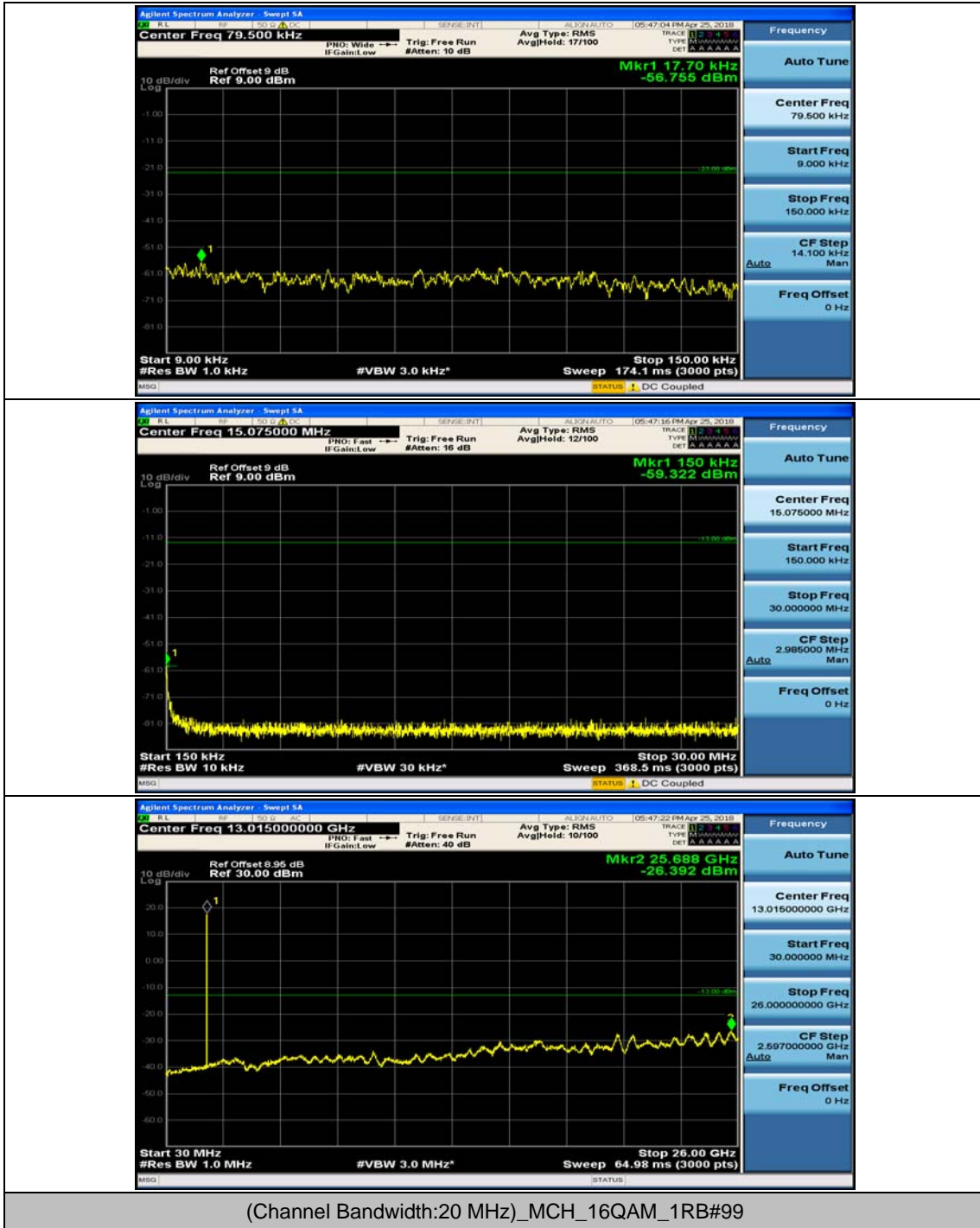


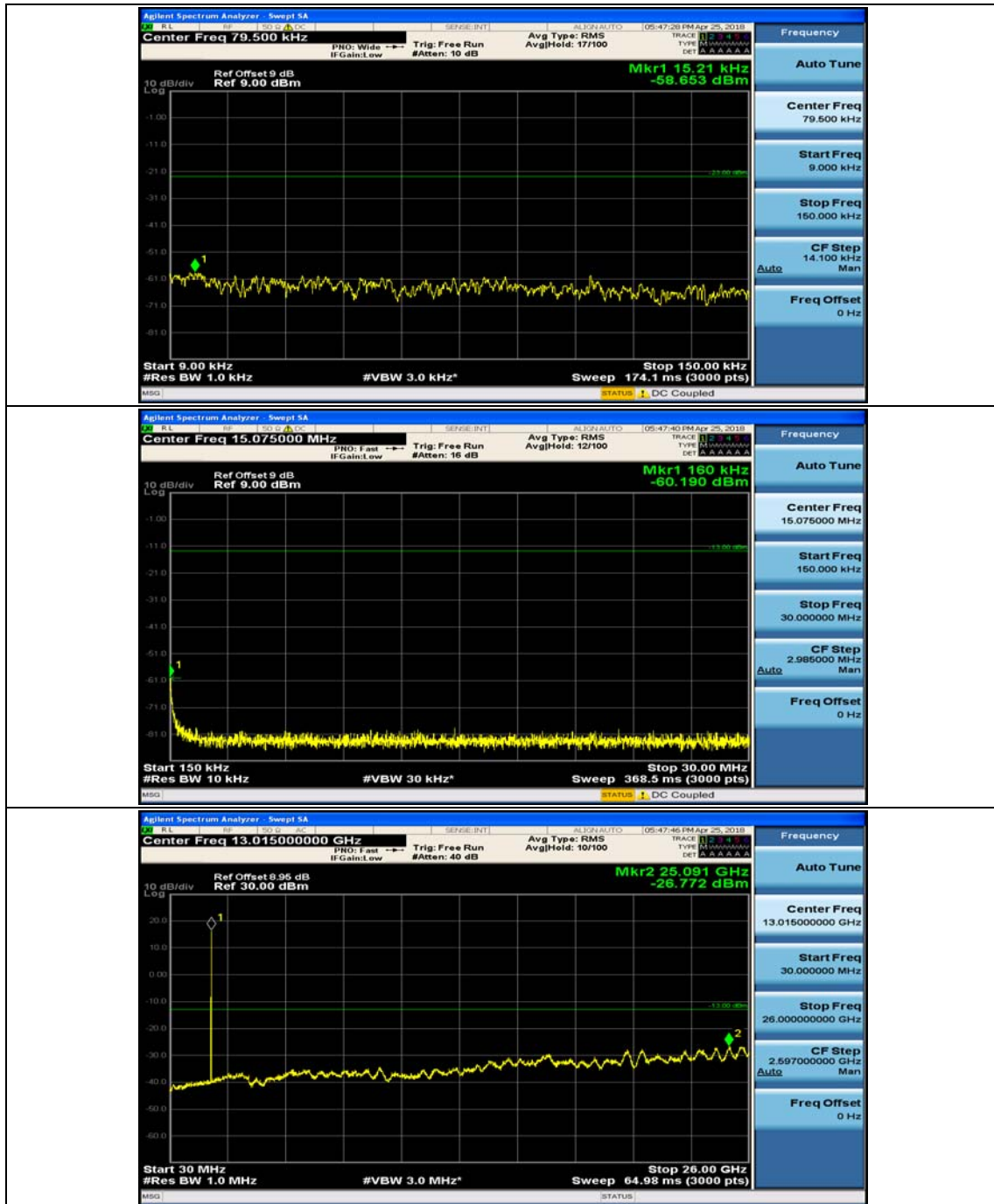


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

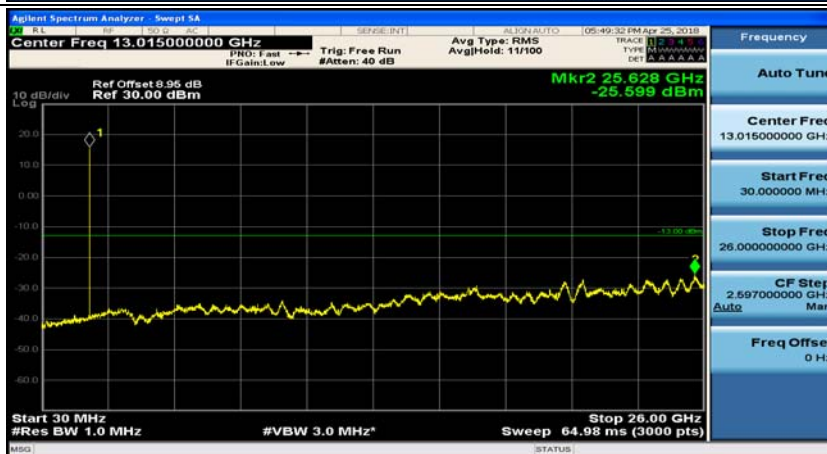
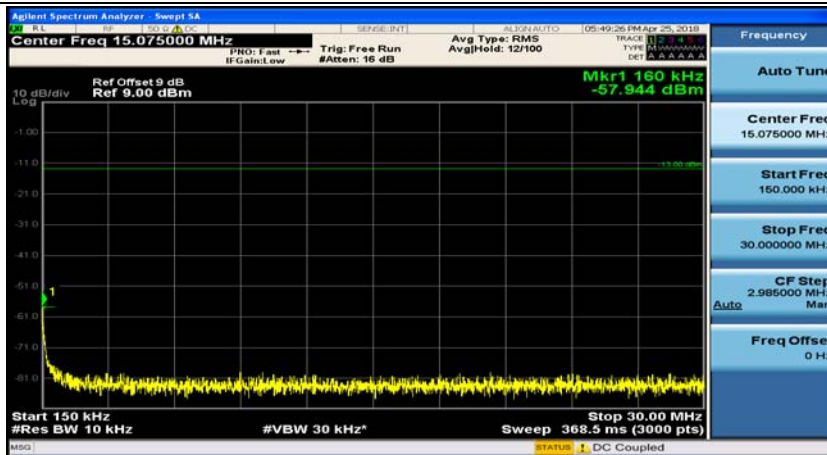
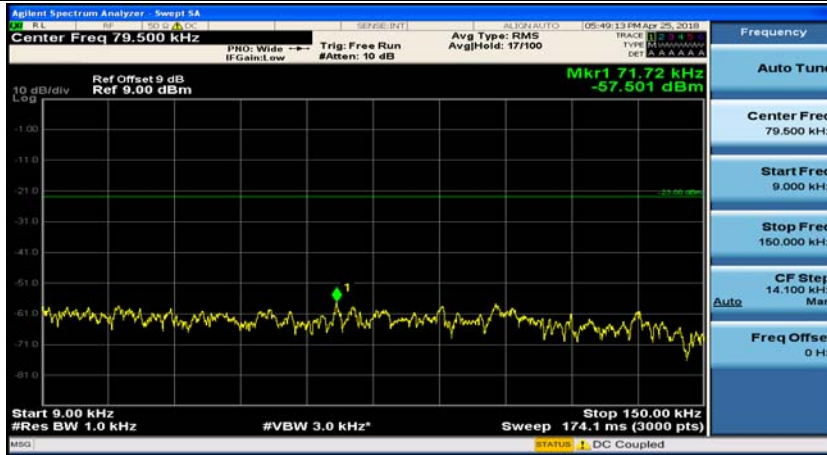


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49



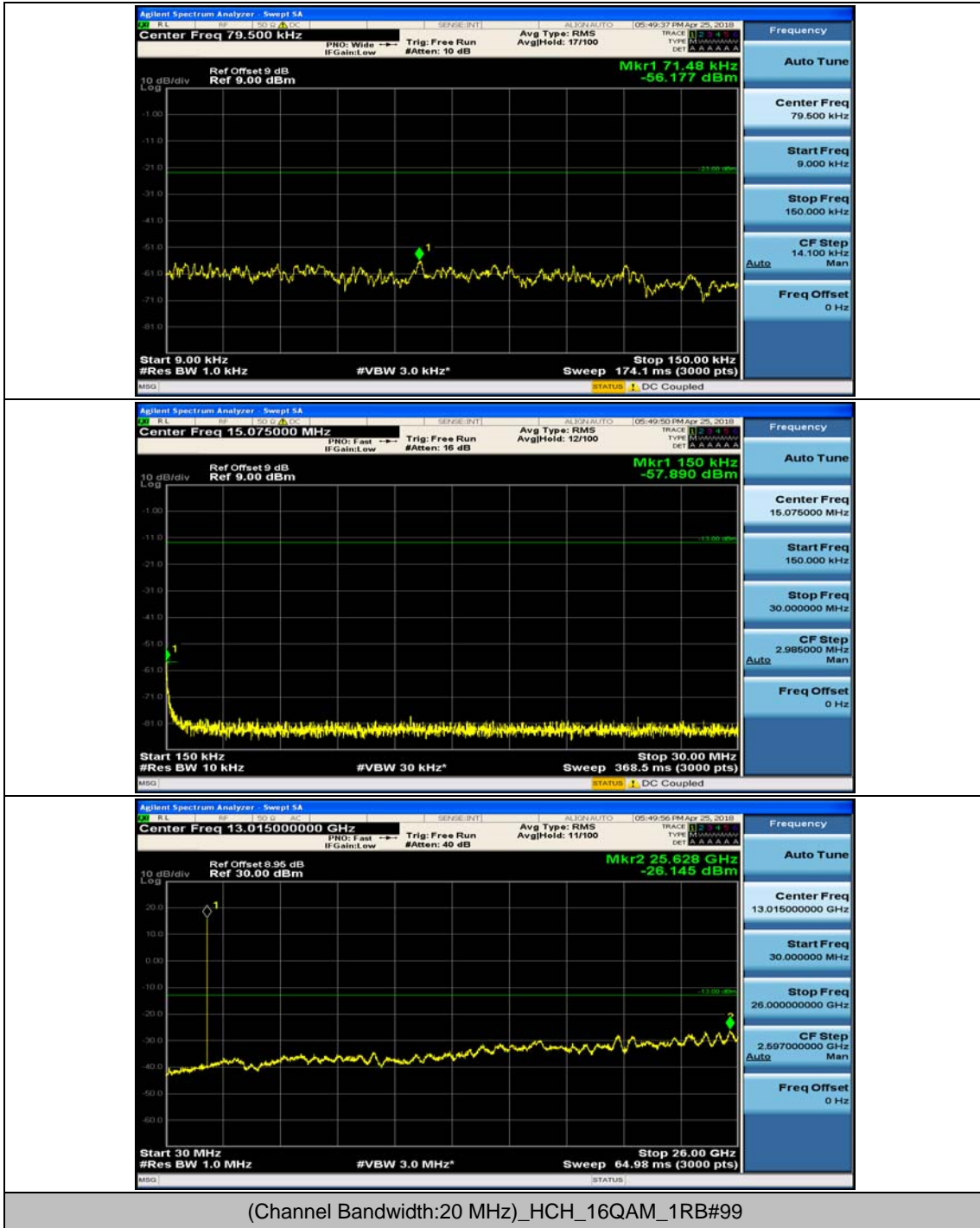


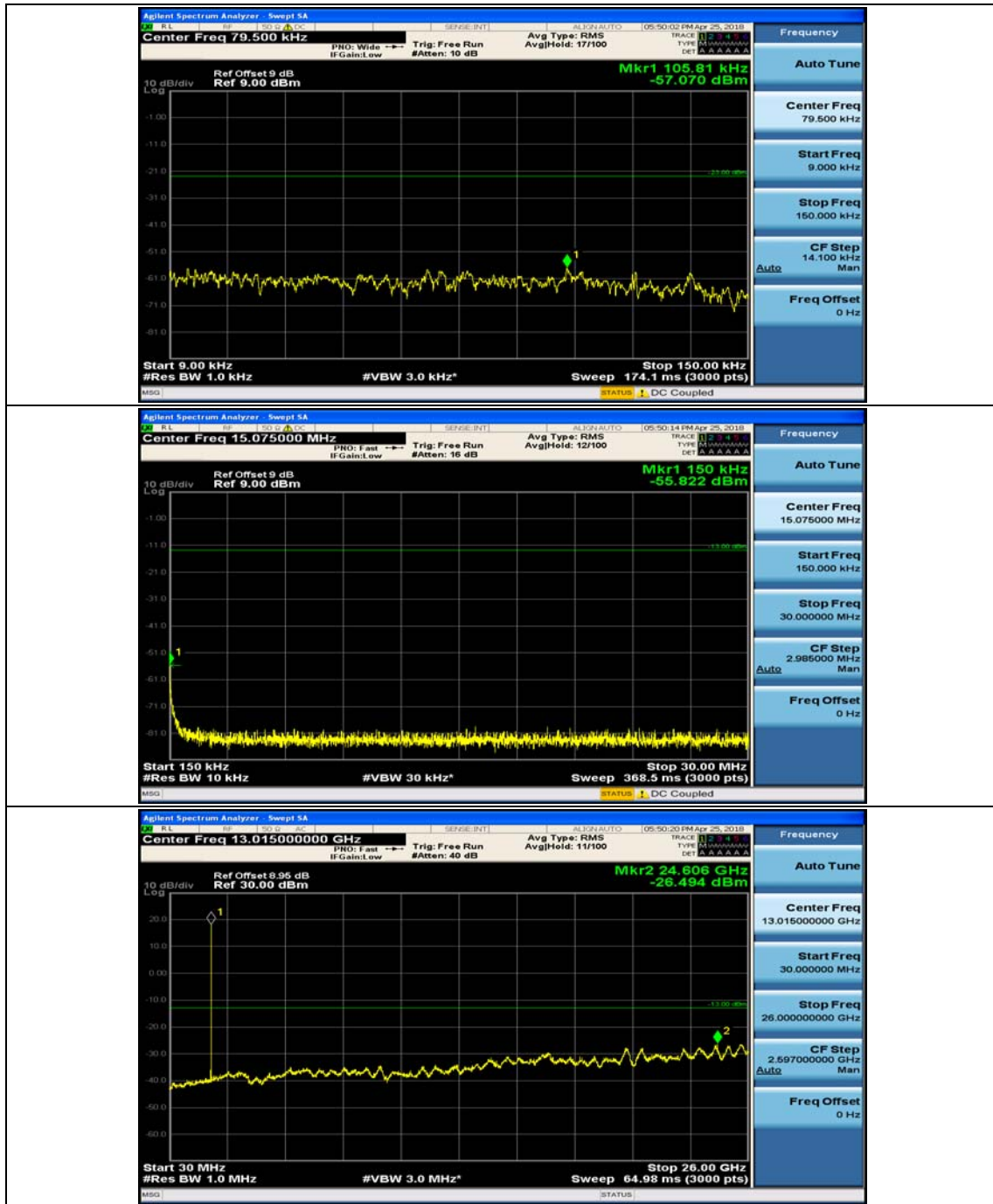
(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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	3.13	0.001691	± 2.5	PASS
		VN	TN	-1.76	-0.000951	± 2.5	PASS
		VH	TN	2.5	0.001351	± 2.5	PASS
	MCH	VL	TN	-0.07	-0.000037	± 2.5	PASS
		VN	TN	4.32	0.002298	± 2.5	PASS
		VH	TN	-1.52	-0.000809	± 2.5	PASS
	HCH	VL	TN	-1.97	-0.001032	± 2.5	PASS
		VN	TN	1.96	0.001027	± 2.5	PASS
		VH	TN	-0.89	-0.000466	± 2.5	PASS
16QAM	LCH	VL	TN	-1.86	-0.001005	± 2.5	PASS
		VN	TN	3.59	0.001940	± 2.5	PASS
		VH	TN	-1.52	-0.000821	± 2.5	PASS
	MCH	VL	TN	-1.17	-0.000622	± 2.5	PASS
		VN	TN	4.18	0.002223	± 2.5	PASS
		VH	TN	4.73	0.002516	± 2.5	PASS
	HCH	VL	TN	1.45	0.000759	± 2.5	PASS
		VN	TN	4.02	0.002105	± 2.5	PASS
		VH	TN	1.53	0.000801	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.16	0.001707	± 2.5	PASS
		VN	-20	4.94	0.002669	± 2.5	PASS
		VN	-10	2	0.001081	± 2.5	PASS
		VN	0	2.12	0.001146	± 2.5	PASS
		VN	10	-0.64	-0.000346	± 2.5	PASS
		VN	20	2.9	0.001567	± 2.5	PASS
		VN	30	3.72	0.002010	± 2.5	PASS
		VN	40	3.92	0.002118	± 2.5	PASS
	MCH	VN	-30	3.43	0.001824	± 2.5	PASS
		VN	-20	0.56	0.000298	± 2.5	PASS

		VN	-10	3.09	0.001644	± 2.5	PASS		
		VN	0	0.53	0.000282	± 2.5	PASS		
		VN	10	4.17	0.002218	± 2.5	PASS		
		VN	20	4.15	0.002207	± 2.5	PASS		
		VN	30	4.82	0.002564	± 2.5	PASS		
		VN	40	3.93	0.002090	± 2.5	PASS		
		VN	50	2.38	0.001266	± 2.5	PASS		
	HCH	VN	-30	4.37	0.002289	± 2.5	PASS		
		VN	-20	2.81	0.001472	± 2.5	PASS		
		VN	-10	2.88	0.001508	± 2.5	PASS		
		VN	0	-1	-0.000524	± 2.5	PASS		
		VN	10	2.9	0.001519	± 2.5	PASS		
		VN	20	-1.66	-0.000869	± 2.5	PASS		
		VN	30	3.54	0.001854	± 2.5	PASS		
		VN	40	4.12	0.002158	± 2.5	PASS		
		VN	50	3.16	0.001655	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1	-0.000540	± 2.5	PASS
				VN	-20	1.94	0.001048	± 2.5	PASS
VN	-10			-0.33	-0.000178	± 2.5	PASS		
VN	0			-1.43	-0.000773	± 2.5	PASS		
VN	10			2.87	0.001551	± 2.5	PASS		
VN	20			-1.5	-0.000811	± 2.5	PASS		
VN	30			2.33	0.001259	± 2.5	PASS		
VN	40			-1.06	-0.000573	± 2.5	PASS		
VN	50			2.87	0.001551	± 2.5	PASS		
MCH	VN		-30	3.6	0.001915	± 2.5	PASS		
	VN		-20	3.84	0.002043	± 2.5	PASS		
	VN		-10	3.94	0.002096	± 2.5	PASS		
	VN		0	3.47	0.001846	± 2.5	PASS		
	VN		10	1.92	0.001021	± 2.5	PASS		
	VN		20	-0.21	-0.000112	± 2.5	PASS		
	VN		30	4.78	0.002543	± 2.5	PASS		
	VN		40	1.09	0.000580	± 2.5	PASS		
	VN		50	-0.92	-0.000489	± 2.5	PASS		
HCH	VN	-30	4.22	0.002210	± 2.5	PASS			
	VN	-20	0.16	0.000084	± 2.5	PASS			
	VN	-10	-0.67	-0.000351	± 2.5	PASS			
	VN	0	-0.87	-0.000456	± 2.5	PASS			
	VN	10	2	0.001048	± 2.5	PASS			
	VN	20	0.5	0.000262	± 2.5	PASS			
	VN	30	2.12	0.001110	± 2.5	PASS			

		VN	40	-0.72	-0.000377	± 2.5	PASS
		VN	50	1.2	0.000629	± 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	0.45	0.000243	± 2.5	PASS
		VN	TN	3.52	0.001901	± 2.5	PASS
		VH	TN	3.55	0.001917	± 2.5	PASS
	MCH	VL	TN	4.41	0.002346	± 2.5	PASS
		VN	TN	0	0.000000	± 2.5	PASS
		VH	TN	2.91	0.001548	± 2.5	PASS
	HCH	VL	TN	0.38	0.000199	± 2.5	PASS
		VN	TN	3.56	0.001865	± 2.5	PASS
		VH	TN	4.76	0.002494	± 2.5	PASS
16QAM	LCH	VL	TN	-0.13	-0.000070	± 2.5	PASS
		VN	TN	3.62	0.001955	± 2.5	PASS
		VH	TN	1.92	0.001037	± 2.5	PASS
	MCH	VL	TN	4.19	0.002229	± 2.5	PASS
		VN	TN	-1.6	-0.000851	± 2.5	PASS
		VH	TN	3.7	0.001968	± 2.5	PASS
	HCH	VL	TN	-0.41	-0.000215	± 2.5	PASS
		VN	TN	3.76	0.001970	± 2.5	PASS
		VH	TN	4.44	0.002326	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.2	0.002268	± 2.5	PASS
		VN	-20	1.32	0.000713	± 2.5	PASS
		VN	-10	2.8	0.001512	± 2.5	PASS
		VN	0	2.72	0.001469	± 2.5	PASS
		VN	10	1.03	0.000556	± 2.5	PASS
		VN	20	4.39	0.002371	± 2.5	PASS
		VN	30	1.27	0.000686	± 2.5	PASS
		VN	40	3.2	0.001728	± 2.5	PASS
		VN	50	-1.42	-0.000767	± 2.5	PASS
	MCH	VN	-30	-1.88	-0.001000	± 2.5	PASS
		VN	-20	-1.26	-0.000670	± 2.5	PASS
		VN	-10	1.75	0.000931	± 2.5	PASS



		VN	0	0.18	0.000096	± 2.5	PASS		
		VN	10	-1.32	-0.000702	± 2.5	PASS		
		VN	20	4.66	0.002479	± 2.5	PASS		
		VN	30	4.57	0.002431	± 2.5	PASS		
		VN	40	4.25	0.002261	± 2.5	PASS		
		VN	50	0.17	0.000090	± 2.5	PASS		
	HCH	VN	-30	2.54	0.001331	± 2.5	PASS		
		VN	-20	0.04	0.000021	± 2.5	PASS		
		VN	-10	3.68	0.001928	± 2.5	PASS		
		VN	0	-1.62	-0.000849	± 2.5	PASS		
		VN	10	3.98	0.002085	± 2.5	PASS		
		VN	20	2.21	0.001158	± 2.5	PASS		
		VN	30	-0.14	-0.000073	± 2.5	PASS		
		VN	40	0.64	0.000335	± 2.5	PASS		
		VN	50	1.83	0.000959	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.27	0.000686	± 2.5	PASS
				VN	-20	-1.4	-0.000756	± 2.5	PASS
				VN	-10	3.81	0.002058	± 2.5	PASS
VN	0			1.06	0.000573	± 2.5	PASS		
VN	10			1.2	0.000648	± 2.5	PASS		
VN	20			4.02	0.002171	± 2.5	PASS		
VN	30			3.44	0.001858	± 2.5	PASS		
VN	40			0.91	0.000491	± 2.5	PASS		
VN	50			0.46	0.000248	± 2.5	PASS		
MCH	VN		-30	3.52	0.001872	± 2.5	PASS		
	VN		-20	4.82	0.002564	± 2.5	PASS		
	VN		-10	-1.1	-0.000585	± 2.5	PASS		
	VN		0	2.18	0.001160	± 2.5	PASS		
	VN		10	4.11	0.002186	± 2.5	PASS		
	VN		20	-0.67	-0.000356	± 2.5	PASS		
	VN		30	4.88	0.002596	± 2.5	PASS		
	VN		40	1.38	0.000734	± 2.5	PASS		
	VN		50	0.26	0.000138	± 2.5	PASS		
HCH	VN		-30	0.81	0.000424	± 2.5	PASS		
	VN		-20	4.44	0.002326	± 2.5	PASS		
	VN		-10	-1.8	-0.000943	± 2.5	PASS		
	VN		0	4.06	0.002127	± 2.5	PASS		
	VN		10	3.51	0.001839	± 2.5	PASS		
	VN		20	-0.44	-0.000231	± 2.5	PASS		
	VN		30	1.93	0.001011	± 2.5	PASS		
	VN		40	0.35	0.000183	± 2.5	PASS		

		VN	50	0.59	0.000309	± 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	-1.9	-0.001026	± 2.5	PASS
		VN	TN	2.49	0.001344	± 2.5	PASS
		VH	TN	-1.14	-0.000615	± 2.5	PASS
	MCH	VL	TN	1.92	0.001021	± 2.5	PASS
		VN	TN	1.01	0.000537	± 2.5	PASS
		VH	TN	-1.77	-0.000941	± 2.5	PASS
	HCH	VL	TN	-0.58	-0.000304	± 2.5	PASS
		VN	TN	-0.47	-0.000246	± 2.5	PASS
		VH	TN	-0.37	-0.000194	± 2.5	PASS
16QAM	LCH	VL	TN	1.1	0.000594	± 2.5	PASS
		VN	TN	-0.87	-0.000470	± 2.5	PASS
		VH	TN	2.64	0.001425	± 2.5	PASS
	MCH	VL	TN	-1.24	-0.000660	± 2.5	PASS
		VN	TN	2	0.001064	± 2.5	PASS
		VH	TN	3.19	0.001697	± 2.5	PASS
	HCH	VL	TN	-0.72	-0.000377	± 2.5	PASS
		VN	TN	3.23	0.001693	± 2.5	PASS
		VH	TN	-0.45	-0.000236	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.75	-0.000405	± 2.5	PASS
		VN	-20	2.44	0.001317	± 2.5	PASS
		VN	-10	0.55	0.000297	± 2.5	PASS
		VN	0	-1.57	-0.000848	± 2.5	PASS
		VN	10	1.31	0.000707	± 2.5	PASS
		VN	20	-0.14	-0.000076	± 2.5	PASS
		VN	30	-1.61	-0.000869	± 2.5	PASS
		VN	40	1.87	0.001009	± 2.5	PASS
		VN	50	0.06	0.000032	± 2.5	PASS
	MCH	VN	-30	1.19	0.000633	± 2.5	PASS
		VN	-20	-1.94	-0.001032	± 2.5	PASS
		VN	-10	-0.33	-0.000176	± 2.5	PASS
		VN	0	1.45	0.000771	± 2.5	PASS

		VN	10	0.55	0.000293	± 2.5	PASS
		VN	20	0.24	0.000128	± 2.5	PASS
		VN	30	3.53	0.001878	± 2.5	PASS
		VN	40	1.37	0.000729	± 2.5	PASS
		VN	50	-1.39	-0.000739	± 2.5	PASS
	HCH	VN	-30	-1.04	-0.000545	± 2.5	PASS
		VN	-20	-1.1	-0.000577	± 2.5	PASS
		VN	-10	4.1	0.002149	± 2.5	PASS
		VN	0	3.2	0.001678	± 2.5	PASS
		VN	10	-1.97	-0.001033	± 2.5	PASS
		VN	20	4.48	0.002349	± 2.5	PASS
		VN	30	-0.18	-0.000094	± 2.5	PASS
		VN	40	1.32	0.000692	± 2.5	PASS
		VN	50	4.5	0.002359	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.22	-0.000659
VN	-20			2.94	0.001587	± 2.5	PASS
VN	-10			2.55	0.001377	± 2.5	PASS
VN	0			1.02	0.000551	± 2.5	PASS
VN	10			2.88	0.001555	± 2.5	PASS
VN	20			2.01	0.001085	± 2.5	PASS
VN	30			4.04	0.002181	± 2.5	PASS
VN	40			1.07	0.000578	± 2.5	PASS
VN	50			3.88	0.002094	± 2.5	PASS
MCH	VN		-30	4.1	0.002181	± 2.5	PASS
	VN		-20	0.4	0.000213	± 2.5	PASS
	VN		-10	4.36	0.002319	± 2.5	PASS
	VN		0	-1.29	-0.000686	± 2.5	PASS
	VN		10	2.73	0.001452	± 2.5	PASS
	VN		20	3.36	0.001787	± 2.5	PASS
	VN		30	3.43	0.001824	± 2.5	PASS
	VN		40	3.98	0.002117	± 2.5	PASS
	VN		50	3.38	0.001798	± 2.5	PASS
HCH	VN		-30	-0.49	-0.000257	± 2.5	PASS
	VN		-20	3.28	0.001720	± 2.5	PASS
	VN		-10	0.7	0.000367	± 2.5	PASS
	VN		0	2.36	0.001237	± 2.5	PASS
	VN		10	4.43	0.002322	± 2.5	PASS
	VN		20	3.33	0.001746	± 2.5	PASS
	VN		30	1.8	0.000944	± 2.5	PASS
	VN		40	0.88	0.000461	± 2.5	PASS
	VN		50	2.19	0.001148	± 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	4	0.002156	± 2.5	PASS
		VN	TN	1.27	0.000685	± 2.5	PASS
		VH	TN	0.45	0.000243	± 2.5	PASS
	MCH	VL	TN	3.22	0.001713	± 2.5	PASS
		VN	TN	4.07	0.002165	± 2.5	PASS
		VH	TN	-1.74	-0.000926	± 2.5	PASS
	HCH	VL	TN	-1.12	-0.000588	± 2.5	PASS
		VN	TN	2.29	0.001202	± 2.5	PASS
		VH	TN	-1.93	-0.001013	± 2.5	PASS
16QAM	LCH	VL	TN	2.03	0.001094	± 2.5	PASS
		VN	TN	0.47	0.000253	± 2.5	PASS
		VH	TN	4.69	0.002528	± 2.5	PASS
	MCH	VL	TN	3.68	0.001957	± 2.5	PASS
		VN	TN	-1.49	-0.000793	± 2.5	PASS
		VH	TN	-0.34	-0.000181	± 2.5	PASS
	HCH	VL	TN	-0.76	-0.000399	± 2.5	PASS
		VN	TN	3.85	0.002021	± 2.5	PASS
		VH	TN	-0.67	-0.000352	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.02	0.001089	± 2.5	PASS
		VN	-20	-1.91	-0.001030	± 2.5	PASS
		VN	-10	-1.52	-0.000819	± 2.5	PASS
		VN	0	1.65	0.000889	± 2.5	PASS
		VN	10	2.68	0.001445	± 2.5	PASS
		VN	20	-0.05	-0.000027	± 2.5	PASS
		VN	30	1.87	0.001008	± 2.5	PASS
		VN	40	0.72	0.000388	± 2.5	PASS
		VN	50	-1.81	-0.000976	± 2.5	PASS
	MCH	VN	-30	2.65	0.001410	± 2.5	PASS
		VN	-20	-0.21	-0.000112	± 2.5	PASS
		VN	-10	-0.19	-0.000101	± 2.5	PASS
		VN	0	1.29	0.000686	± 2.5	PASS
		VN	10	1.8	0.000957	± 2.5	PASS
		VN	20	3.05	0.001622	± 2.5	PASS

	VN	30	2.04	0.001085	± 2.5	PASS	
		40	-0.91	-0.000484	± 2.5	PASS	
		50	-1.21	-0.000644	± 2.5	PASS	
	HCH	VN	-30	1.98	0.001039	± 2.5	PASS
		VN	-20	4.72	0.002478	± 2.5	PASS
		VN	-10	-1.12	-0.000588	± 2.5	PASS
		VN	0	-1.91	-0.001003	± 2.5	PASS
		VN	10	1.08	0.000567	± 2.5	PASS
		VN	20	3.43	0.001801	± 2.5	PASS
		VN	30	1.57	0.000824	± 2.5	PASS
		VN	40	2.45	0.001286	± 2.5	PASS
		VN	50	0.56	0.000294	± 2.5	PASS
QPSK	LCH	VN	-30	-1.53	-0.000825	± 2.5	PASS
		VN	-20	2.18	0.001175	± 2.5	PASS
		VN	-10	0.99	0.000534	± 2.5	PASS
		VN	0	1.38	0.000744	± 2.5	PASS
		VN	10	3.17	0.001709	± 2.5	PASS
		VN	20	2.14	0.001154	± 2.5	PASS
		VN	30	3.42	0.001844	± 2.5	PASS
		VN	40	4.11	0.002216	± 2.5	PASS
		VN	50	3.76	0.002027	± 2.5	PASS
	MCH	VN	-30	1.78	0.000947	± 2.5	PASS
		VN	-20	3.66	0.001947	± 2.5	PASS
		VN	-10	1.76	0.000936	± 2.5	PASS
		VN	0	-1.2	-0.000638	± 2.5	PASS
		VN	10	1.29	0.000686	± 2.5	PASS
		VN	20	0.8	0.000426	± 2.5	PASS
		VN	30	1.02	0.000543	± 2.5	PASS
		VN	40	2.58	0.001372	± 2.5	PASS
		VN	50	3.66	0.001947	± 2.5	PASS
	HCH	VN	-30	2.35	0.001234	± 2.5	PASS
		VN	-20	2.94	0.001543	± 2.5	PASS
		VN	-10	3.64	0.001911	± 2.5	PASS
		VN	0	0.35	0.000184	± 2.5	PASS
		VN	10	0.37	0.000194	± 2.5	PASS
		VN	20	0.37	0.000194	± 2.5	PASS
		VN	30	-0.69	-0.000362	± 2.5	PASS
		VN	40	-0.86	-0.000451	± 2.5	PASS
		VN	50	-0.95	-0.000499	± 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	0	0.000000	± 2.5	PASS
		VN	TN	4.35	0.002342	± 2.5	PASS
		VH	TN	1.09	0.000587	± 2.5	PASS
	MCH	VL	TN	-0.71	-0.000378	± 2.5	PASS
		VN	TN	1.04	0.000553	± 2.5	PASS
		VH	TN	-1.9	-0.001011	± 2.5	PASS
	HCH	VL	TN	3.15	0.001656	± 2.5	PASS
		VN	TN	4.25	0.002234	± 2.5	PASS
		VH	TN	4.13	0.002171	± 2.5	PASS
16QAM	LCH	VL	TN	2.16	0.001163	± 2.5	PASS
		VN	TN	-1.3	-0.000700	± 2.5	PASS
		VH	TN	3.31	0.001782	± 2.5	PASS
	MCH	VL	TN	2.49	0.001324	± 2.5	PASS
		VN	TN	4.56	0.002426	± 2.5	PASS
		VH	TN	4.66	0.002479	± 2.5	PASS
	HCH	VL	TN	3.6	0.001892	± 2.5	PASS
		VN	TN	0.9	0.000473	± 2.5	PASS
		VH	TN	1.35	0.000710	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.92	0.002649	± 2.5	PASS
		VN	-20	3.78	0.002035	± 2.5	PASS
		VN	-10	4.67	0.002514	± 2.5	PASS
		VN	0	0.06	0.000032	± 2.5	PASS
		VN	10	-1.71	-0.000921	± 2.5	PASS
		VN	20	4.59	0.002471	± 2.5	PASS
		VN	30	-1.29	-0.000694	± 2.5	PASS
		VN	40	1.13	0.000608	± 2.5	PASS
		VN	50	2.02	0.001087	± 2.5	PASS
	MCH	VN	-30	4.08	0.002170	± 2.5	PASS
		VN	-20	-0.1	-0.000053	± 2.5	PASS
		VN	-10	4.03	0.002144	± 2.5	PASS
		VN	0	-1.47	-0.000782	± 2.5	PASS
		VN	10	1.46	0.000777	± 2.5	PASS
		VN	20	3.88	0.002064	± 2.5	PASS

		VN	30	0.12	0.000064	± 2.5	PASS
		VN	40	0.39	0.000207	± 2.5	PASS
		VN	50	1.41	0.000750	± 2.5	PASS
	HCH	VN	-30	-1.8	-0.000946	± 2.5	PASS
		VN	-20	3.07	0.001614	± 2.5	PASS
		VN	-10	-0.41	-0.000216	± 2.5	PASS
		VN	0	-1.62	-0.000852	± 2.5	PASS
		VN	10	4.83	0.002539	± 2.5	PASS
		VN	20	4.95	0.002602	± 2.5	PASS
		VN	30	-1.81	-0.000951	± 2.5	PASS
		VN	40	-1.38	-0.000725	± 2.5	PASS
		VN	50	-0.62	-0.000326	± 2.5	PASS
16QAM	LCH	VN	-30	-1.52	-0.000818	± 2.5	PASS
		VN	-20	-1.35	-0.000727	± 2.5	PASS
		VN	-10	4.92	0.002649	± 2.5	PASS
		VN	0	-0.48	-0.000258	± 2.5	PASS
		VN	10	0.61	0.000328	± 2.5	PASS
		VN	20	0.34	0.000183	± 2.5	PASS
		VN	30	4.52	0.002433	± 2.5	PASS
		VN	40	0.59	0.000318	± 2.5	PASS
		VN	50	4.02	0.002164	± 2.5	PASS
	MCH	VN	-30	-1.58	-0.000840	± 2.5	PASS
		VN	-20	4.31	0.002293	± 2.5	PASS
		VN	-10	0.67	0.000356	± 2.5	PASS
		VN	0	-0.63	-0.000335	± 2.5	PASS
		VN	10	-0.1	-0.000053	± 2.5	PASS
		VN	20	1.32	0.000702	± 2.5	PASS
		VN	30	0.71	0.000378	± 2.5	PASS
		VN	40	0.35	0.000186	± 2.5	PASS
		VN	50	2.01	0.001069	± 2.5	PASS
	HCH	VN	-30	3.14	0.001650	± 2.5	PASS
		VN	-20	-1.82	-0.000957	± 2.5	PASS
		VN	-10	4.31	0.002265	± 2.5	PASS
		VN	0	3.72	0.001955	± 2.5	PASS
		VN	10	-0.19	-0.000100	± 2.5	PASS
		VN	20	4.92	0.002586	± 2.5	PASS
		VN	30	4.39	0.002307	± 2.5	PASS
		VN	40	2.61	0.001372	± 2.5	PASS
		VN	50	0.18	0.000095	± 2.5	PASS

**Channel Bandwidth: 20 MHz**

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.44	0.000774	± 2.5	PASS
		VN	TN	4.84	0.002602	± 2.5	PASS
		VH	TN	0.19	0.000102	± 2.5	PASS
	MCH	VL	TN	3.51	0.001867	± 2.5	PASS
		VN	TN	3.69	0.001963	± 2.5	PASS
		VH	TN	-0.43	-0.000229	± 2.5	PASS
	HCH	VL	TN	3.49	0.001837	± 2.5	PASS
		VN	TN	2.58	0.001358	± 2.5	PASS
		VH	TN	1.48	0.000779	± 2.5	PASS
16QAM	LCH	VL	TN	4.03	0.002167	± 2.5	PASS
		VN	TN	-0.74	-0.000398	± 2.5	PASS
		VH	TN	0.84	0.000452	± 2.5	PASS
	MCH	VL	TN	-1.77	-0.000941	± 2.5	PASS
		VN	TN	-0.65	-0.000346	± 2.5	PASS
		VH	TN	-0.11	-0.000059	± 2.5	PASS
	HCH	VL	TN	4.02	0.002116	± 2.5	PASS
		VN	TN	1.24	0.000653	± 2.5	PASS
		VH	TN	0.89	0.000468	± 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	4.24	0.002280	± 2.5	PASS
		VN	-10	2.75	0.001478	± 2.5	PASS
		VN	0	-0.32	-0.000172	± 2.5	PASS
		VN	10	4.44	0.002387	± 2.5	PASS
		VN	20	0.59	0.000317	± 2.5	PASS
		VN	30	-0.64	-0.000344	± 2.5	PASS
		VN	40	1.93	0.001038	± 2.5	PASS
		VN	50	-0.78	-0.000419	± 2.5	PASS
	MCH	VN	-30	1.46	0.000777	± 2.5	PASS
		VN	-20	3.15	0.001676	± 2.5	PASS
		VN	-10	4.58	0.002436	± 2.5	PASS
		VN	0	1.81	0.000963	± 2.5	PASS
		VN	10	4.16	0.002213	± 2.5	PASS
		VN	20	1.26	0.000670	± 2.5	PASS

		VN	30	4.33	0.002303	± 2.5	PASS
		VN	40	4.62	0.002457	± 2.5	PASS
		VN	50	-0.33	-0.000176	± 2.5	PASS
	HCH	VN	-30	3.07	0.001616	± 2.5	PASS
		VN	-20	-0.41	-0.000216	± 2.5	PASS
		VN	-10	-0.84	-0.000442	± 2.5	PASS
		VN	0	2.8	0.001474	± 2.5	PASS
		VN	10	-0.79	-0.000416	± 2.5	PASS
		VN	20	3.94	0.002074	± 2.5	PASS
		VN	30	4.47	0.002353	± 2.5	PASS
		VN	40	0.4	0.000211	± 2.5	PASS
		VN	50	-0.05	-0.000026	± 2.5	PASS
16QAM	LCH	VN	-30	1.6	0.000860	± 2.5	PASS
		VN	-20	1.19	0.000640	± 2.5	PASS
		VN	-10	1.32	0.000710	± 2.5	PASS
		VN	0	-1.69	-0.000909	± 2.5	PASS
		VN	10	-1.36	-0.000731	± 2.5	PASS
		VN	20	0.22	0.000118	± 2.5	PASS
		VN	30	2.8	0.001505	± 2.5	PASS
		VN	40	-0.52	-0.000280	± 2.5	PASS
		VN	50	2.48	0.001333	± 2.5	PASS
	MCH	VN	-30	0.36	0.000191	± 2.5	PASS
		VN	-20	0.69	0.000367	± 2.5	PASS
		VN	-10	-1.21	-0.000644	± 2.5	PASS
		VN	0	-0.57	-0.000303	± 2.5	PASS
		VN	10	-0.83	-0.000441	± 2.5	PASS
		VN	20	2.81	0.001495	± 2.5	PASS
		VN	30	1.5	0.000798	± 2.5	PASS
		VN	40	4.09	0.002176	± 2.5	PASS
		VN	50	-1.24	-0.000660	± 2.5	PASS
	HCH	VN	-30	4.58	0.002411	± 2.5	PASS
		VN	-20	-1.31	-0.000689	± 2.5	PASS
		VN	-10	3.15	0.001658	± 2.5	PASS
		VN	0	2.02	0.001063	± 2.5	PASS
		VN	10	-0.74	-0.000389	± 2.5	PASS
		VN	20	3.92	0.002063	± 2.5	PASS
		VN	30	4.62	0.002432	± 2.5	PASS
		VN	40	-0.76	-0.000400	± 2.5	PASS
		VN	50	0.76	0.000400	± 2.5	PASS