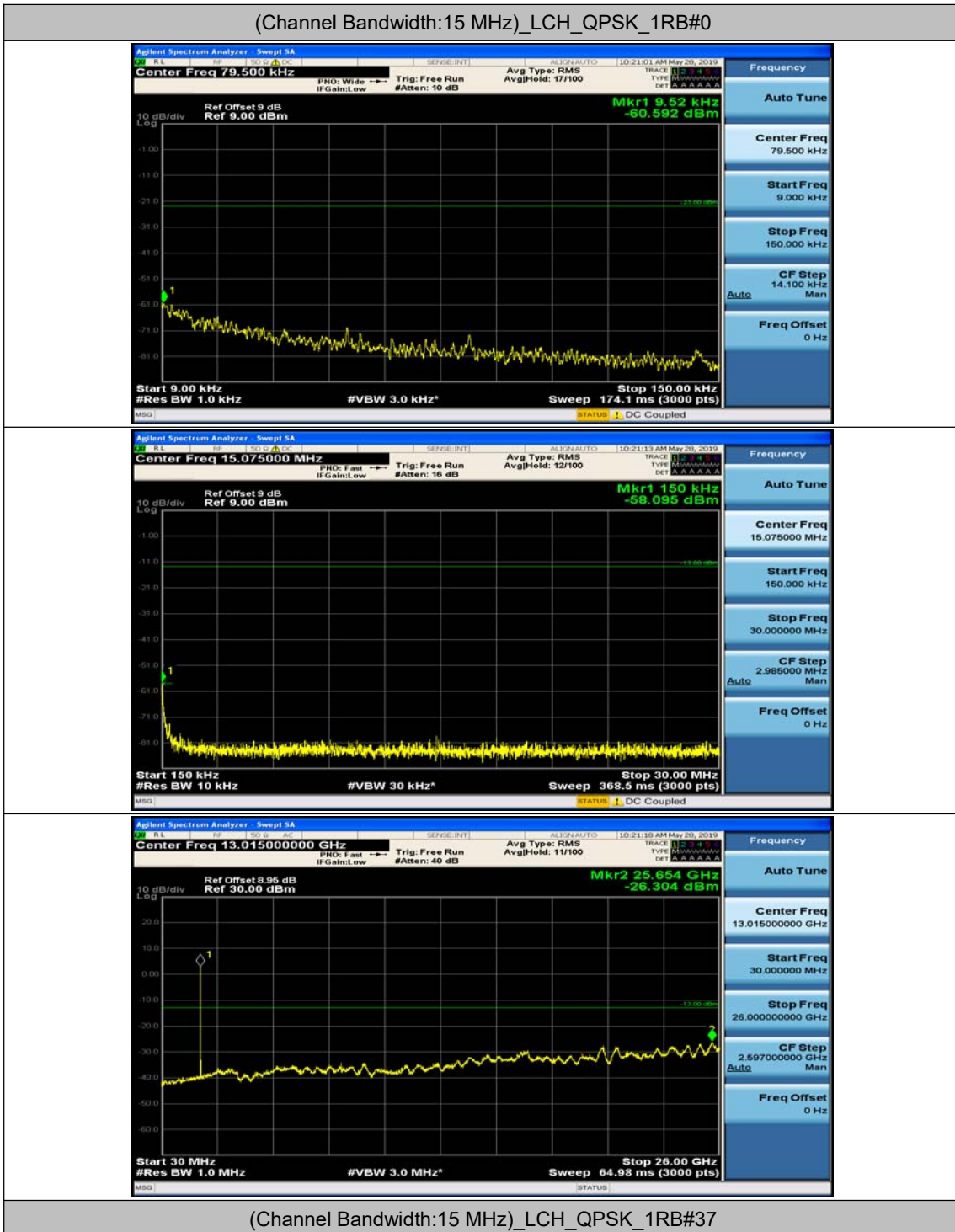
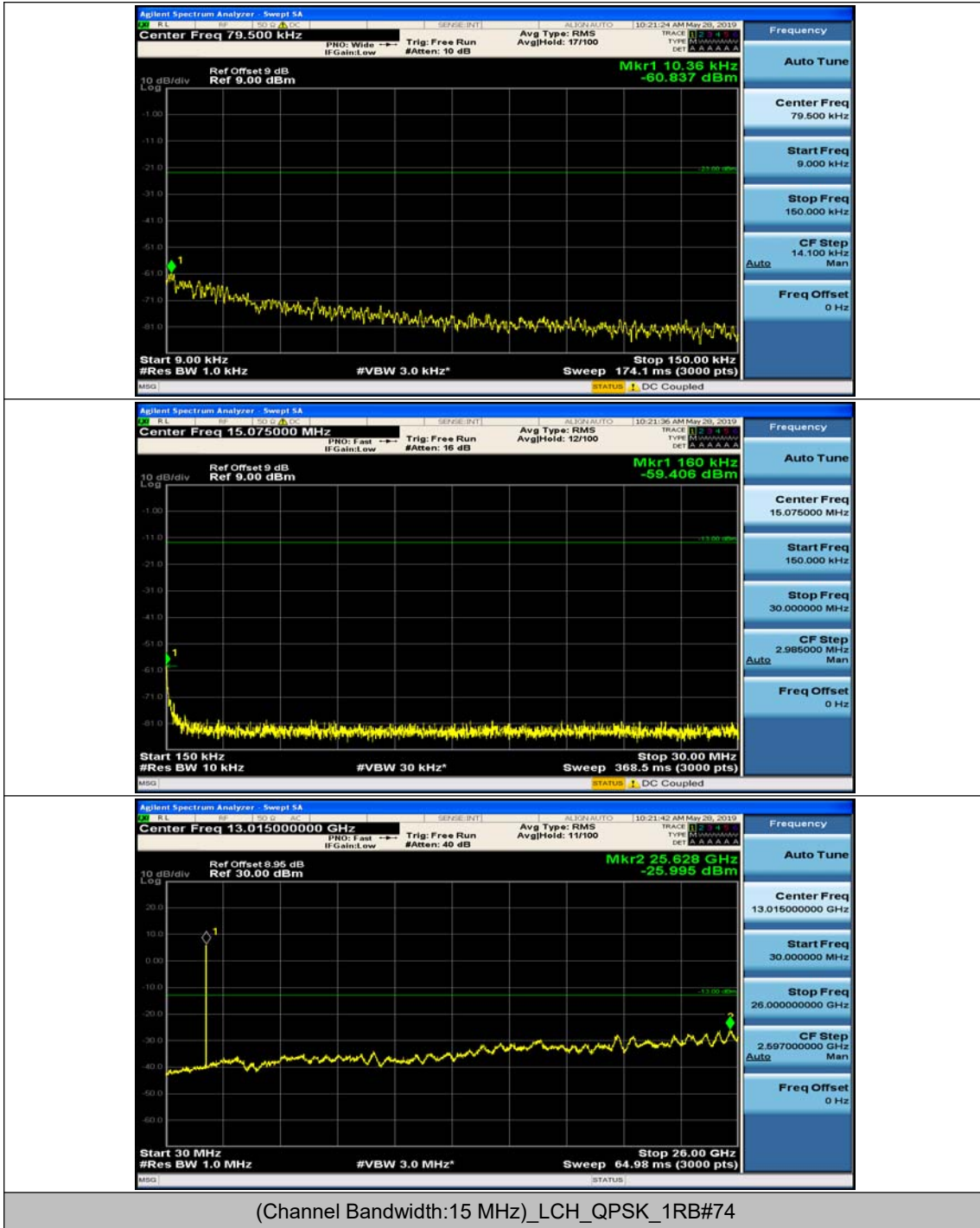
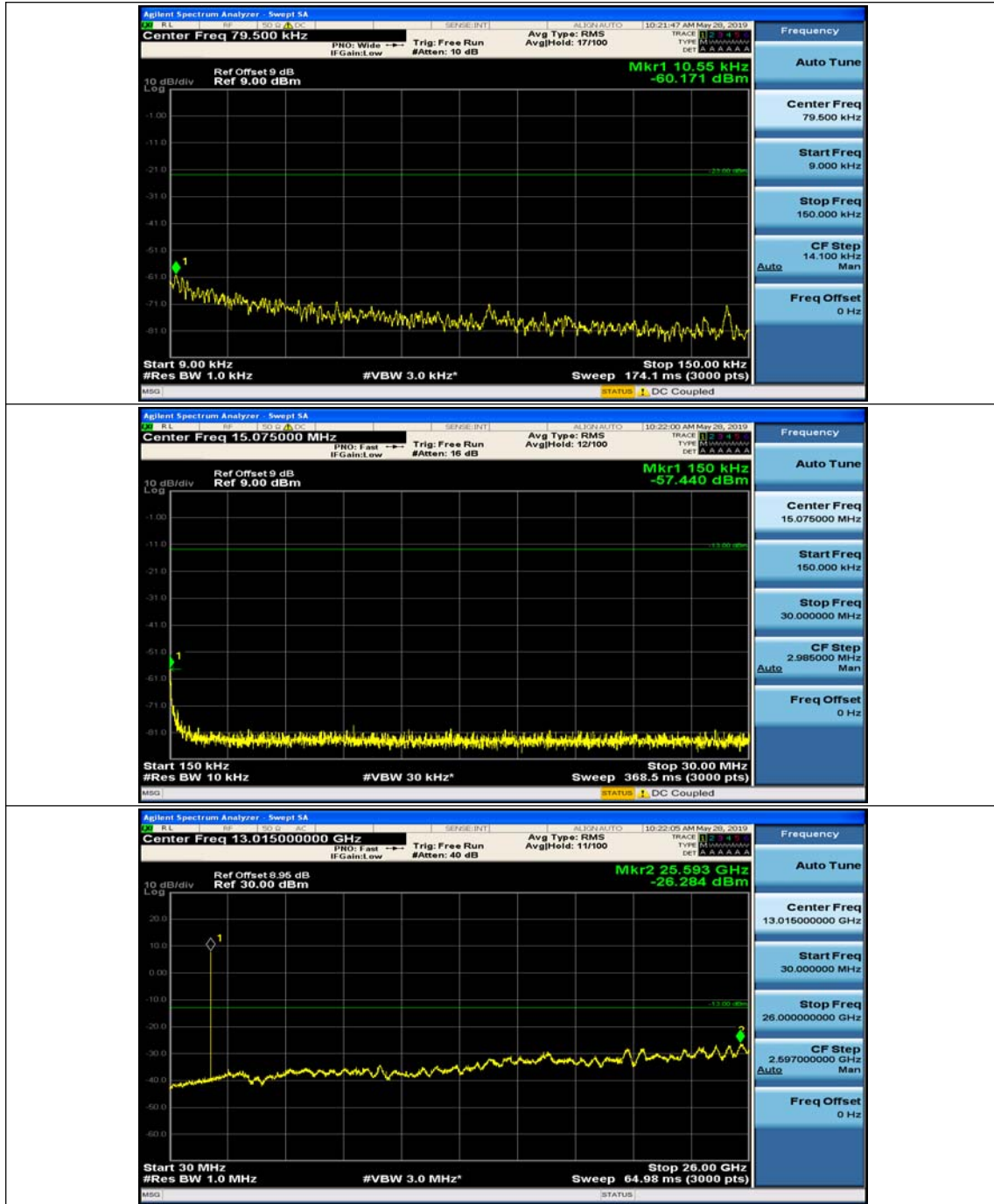


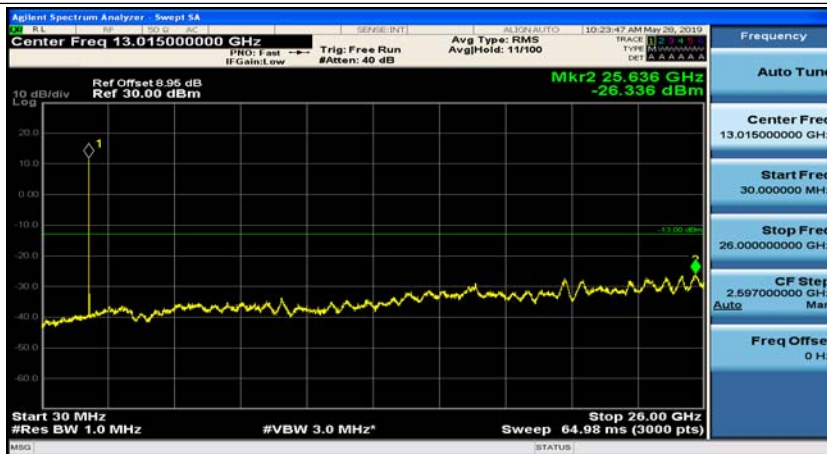
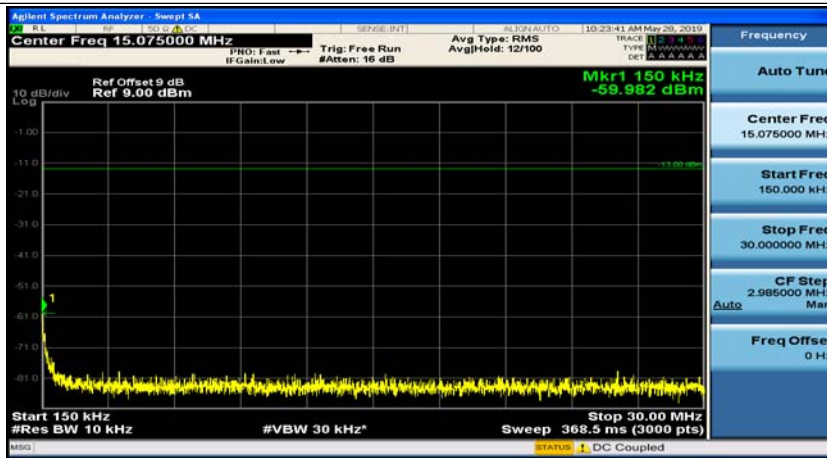
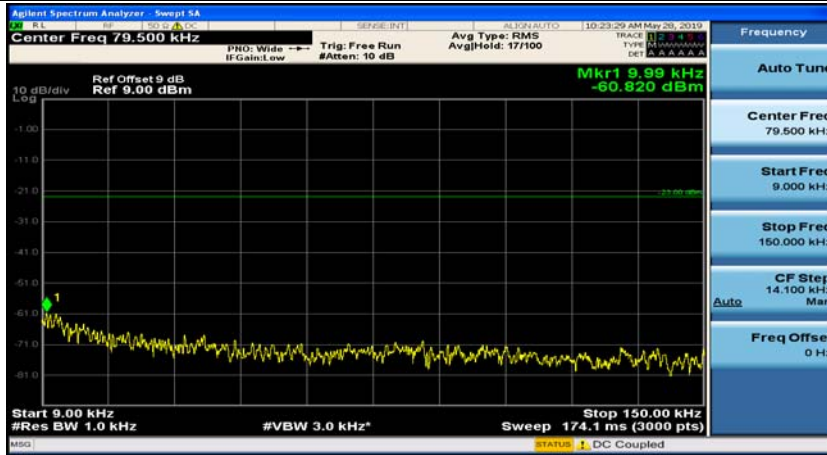
Channel Bandwidth: 15 MHz



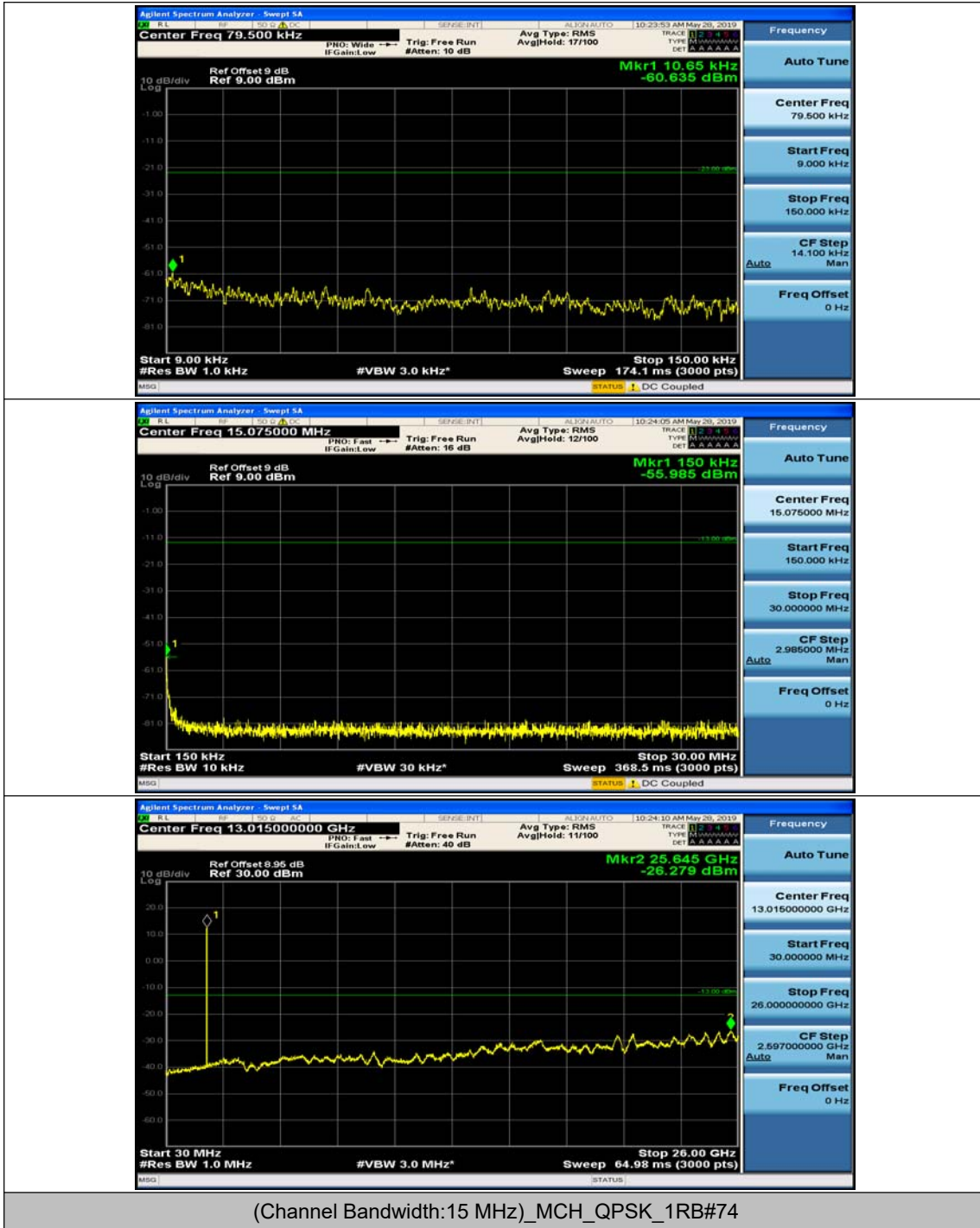


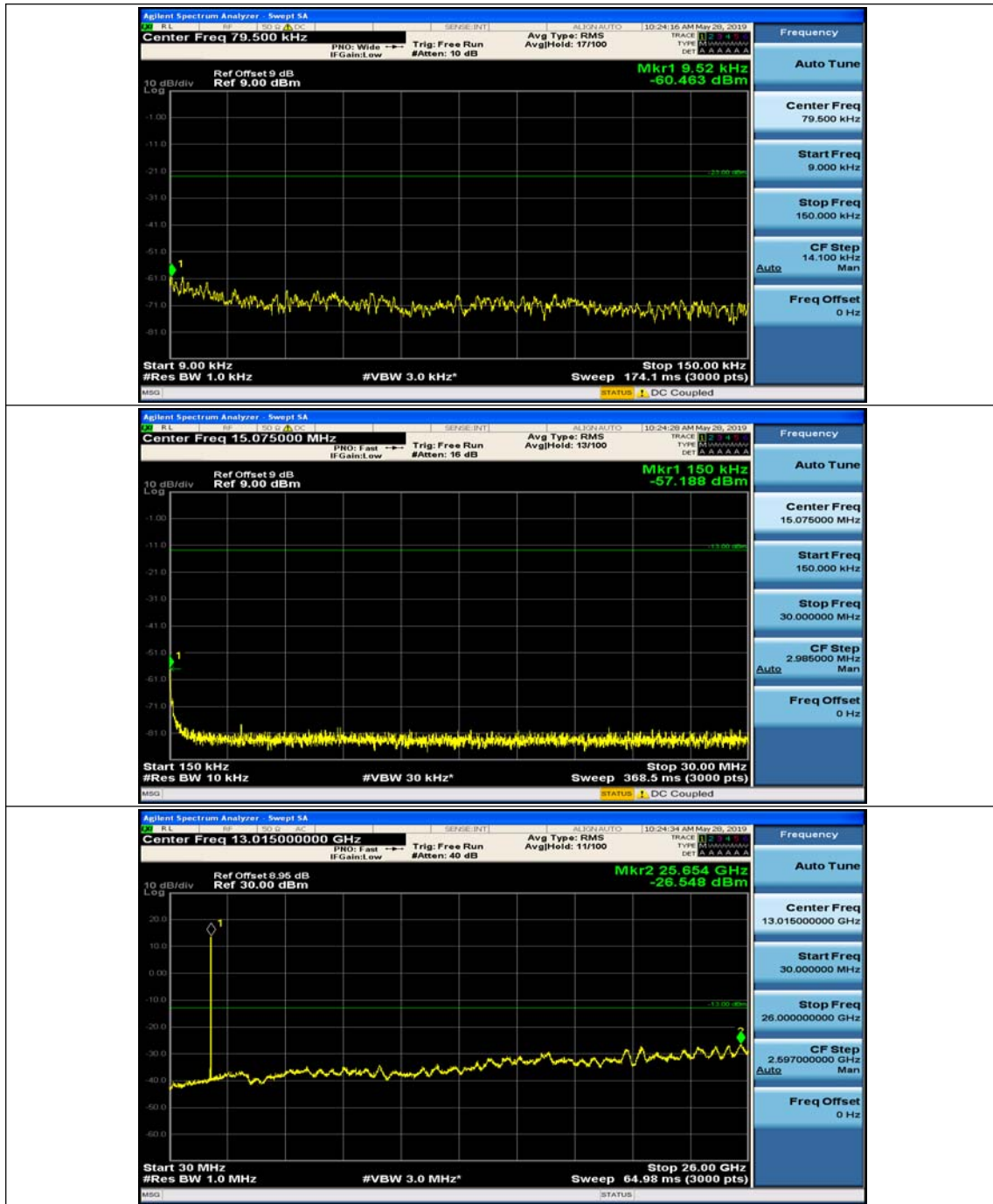


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

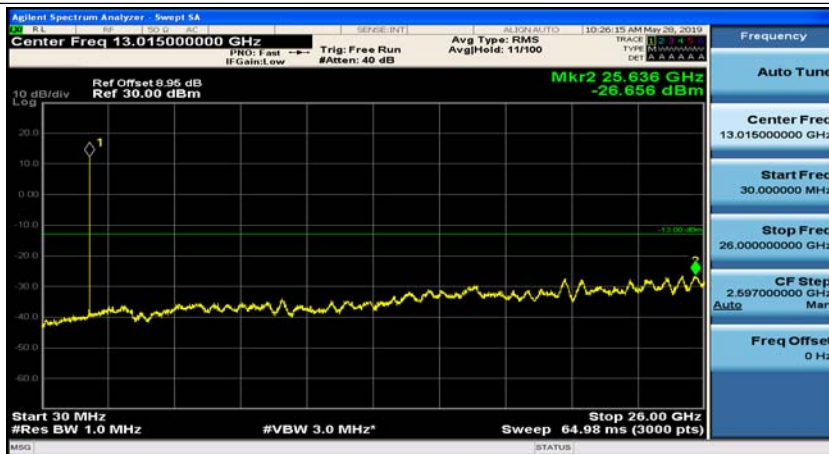
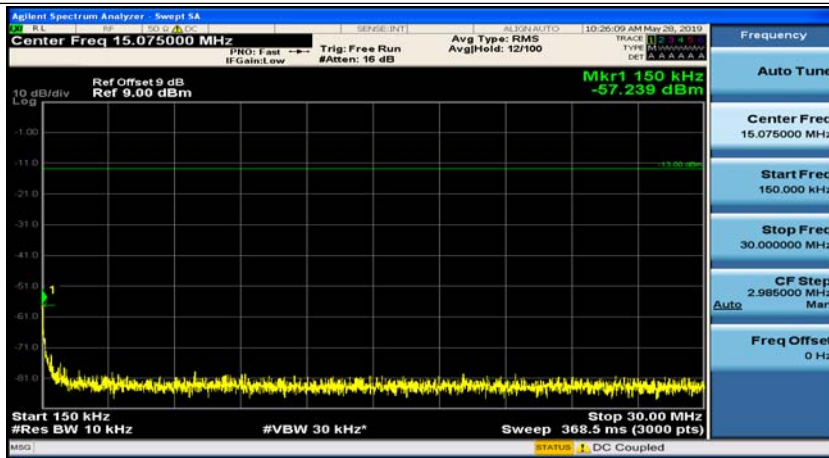
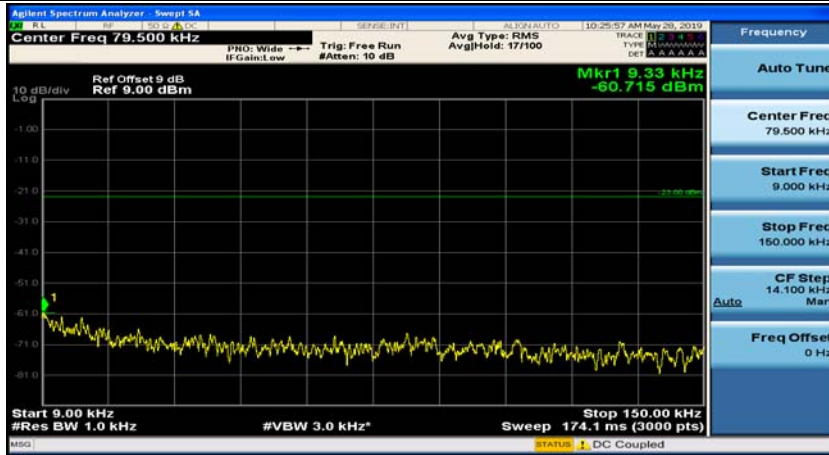


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

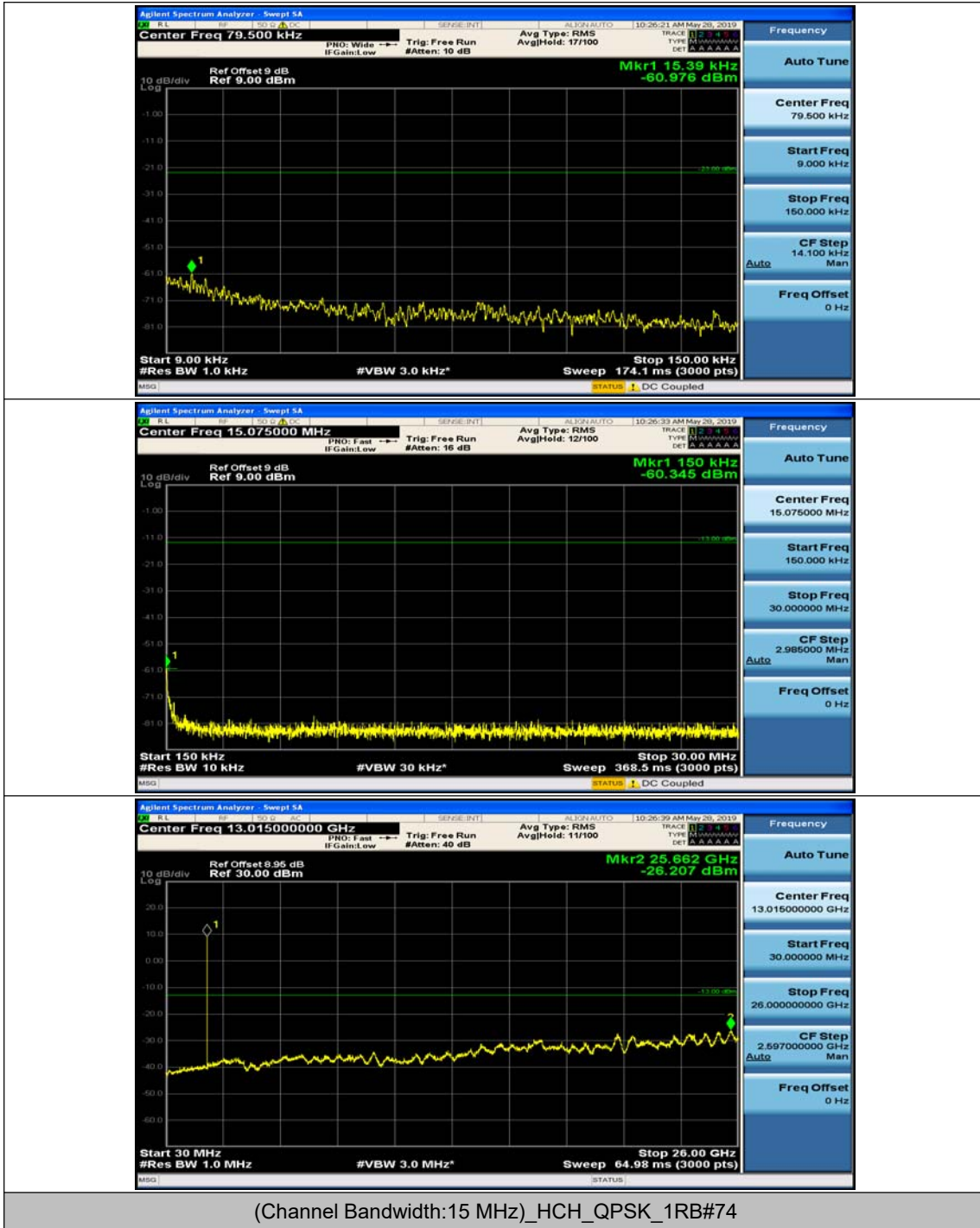


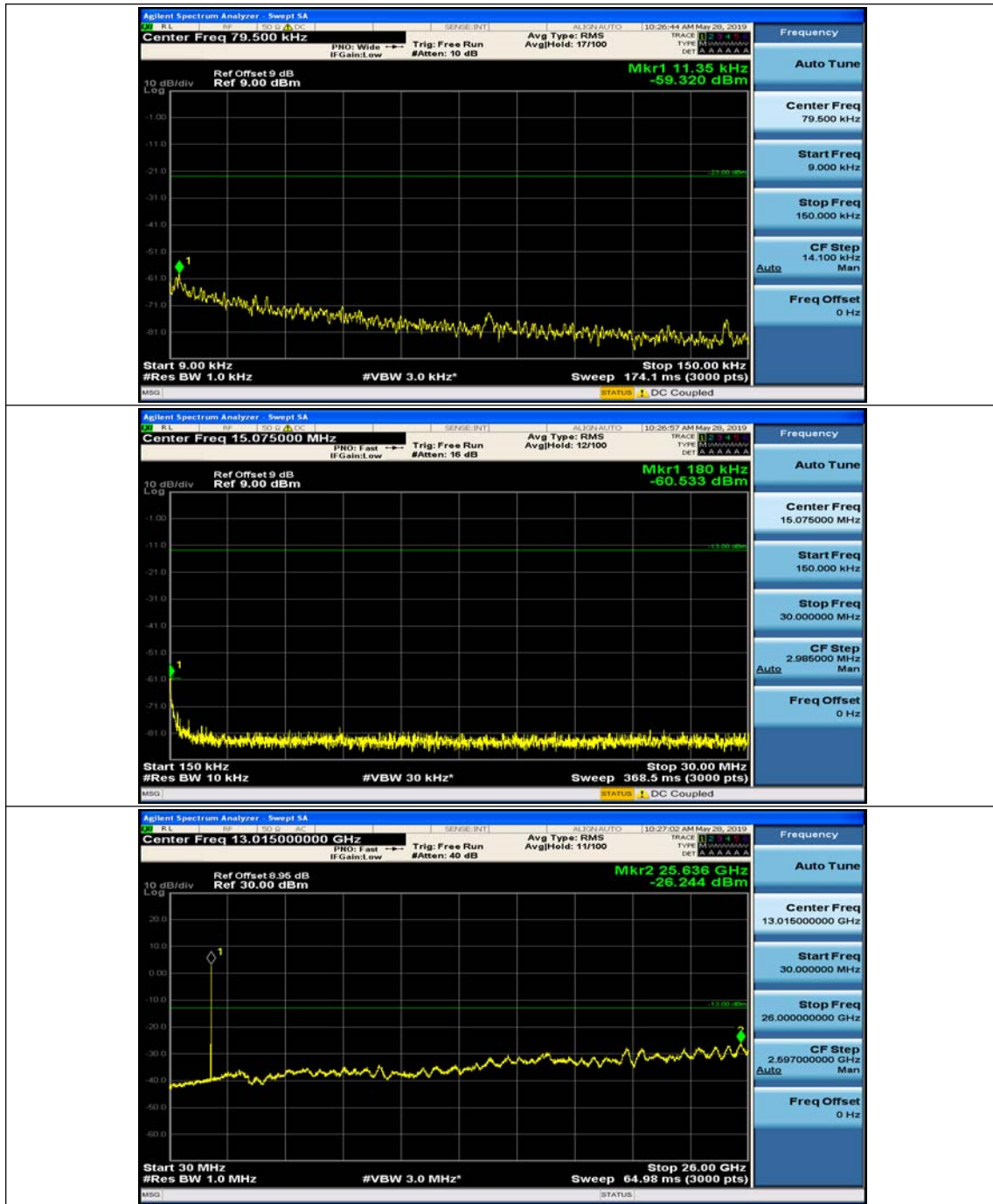


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

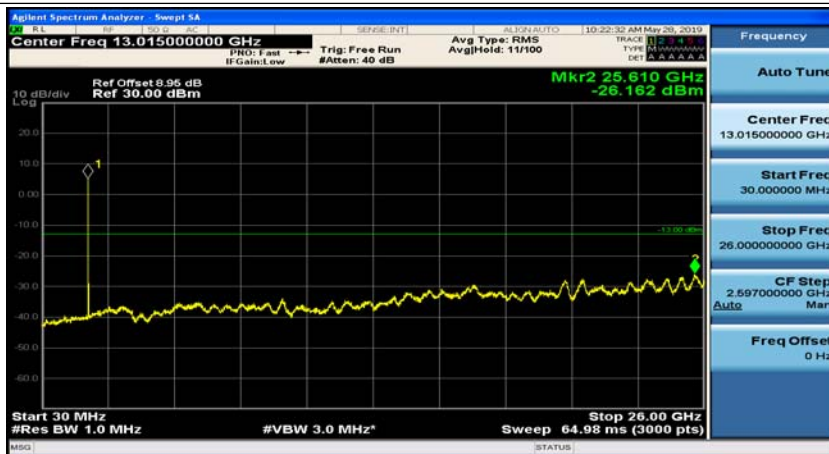
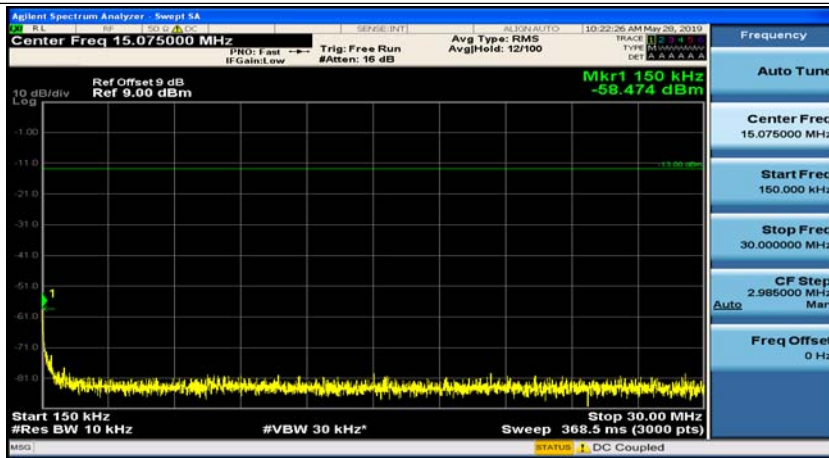
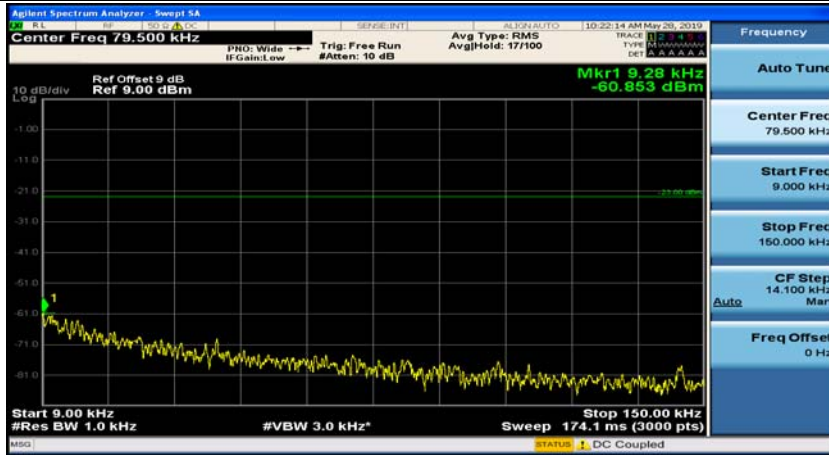


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

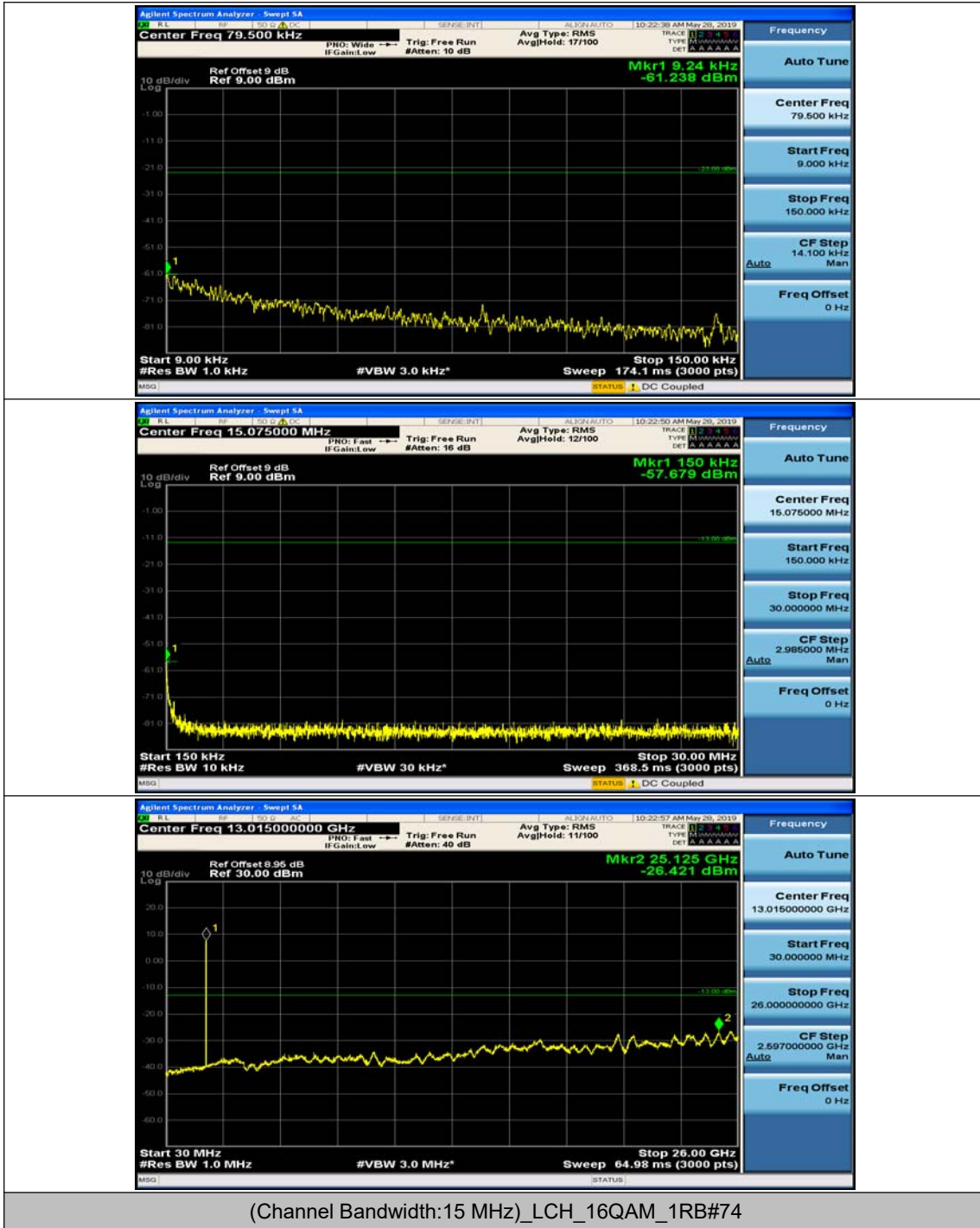


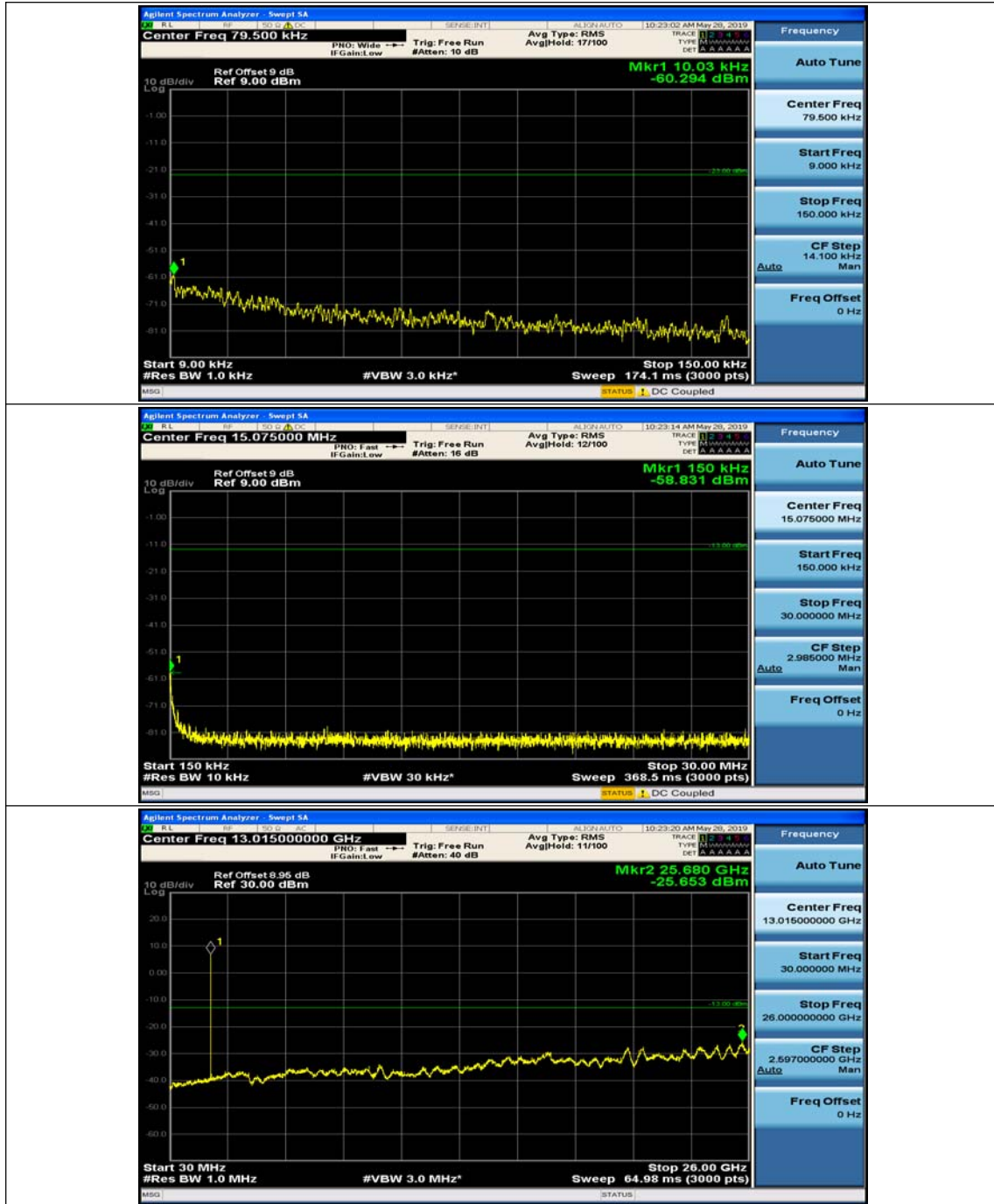


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

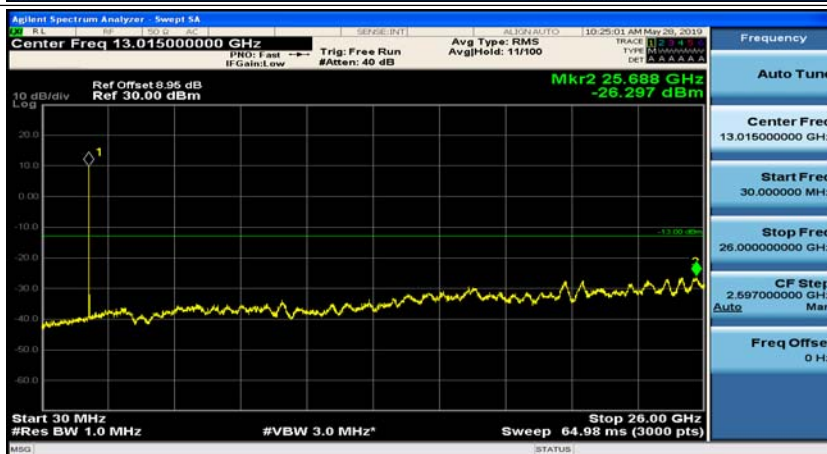
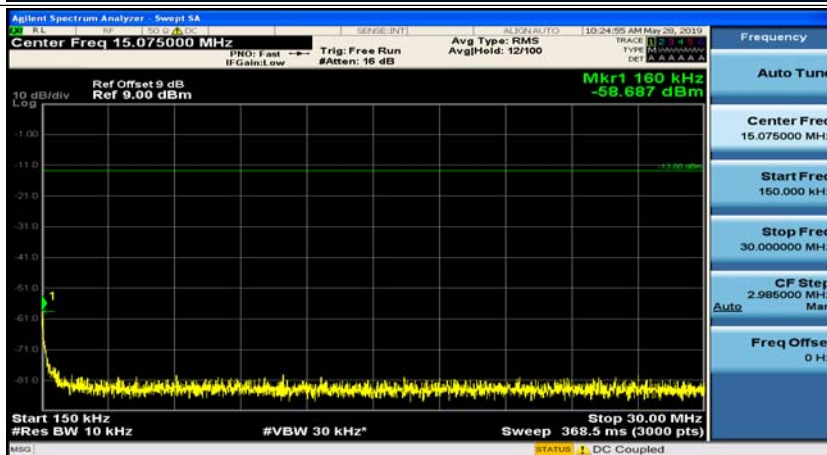
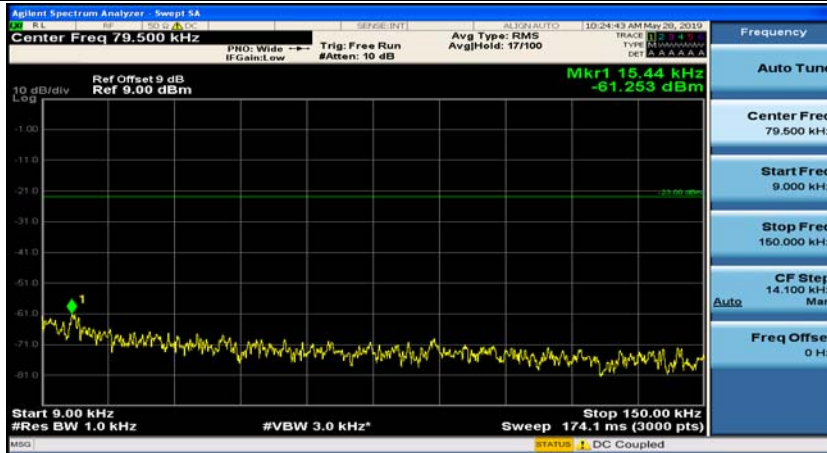


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

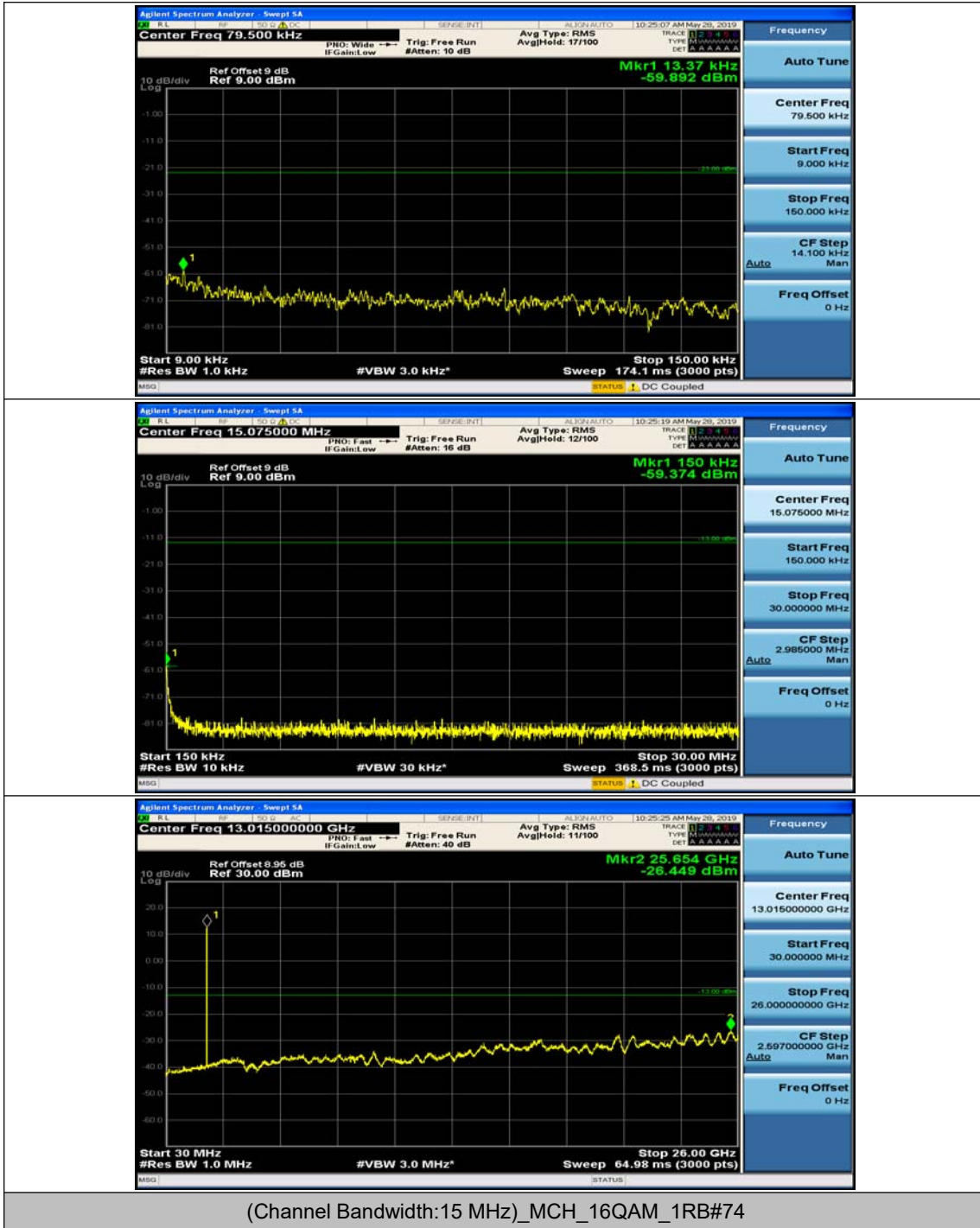


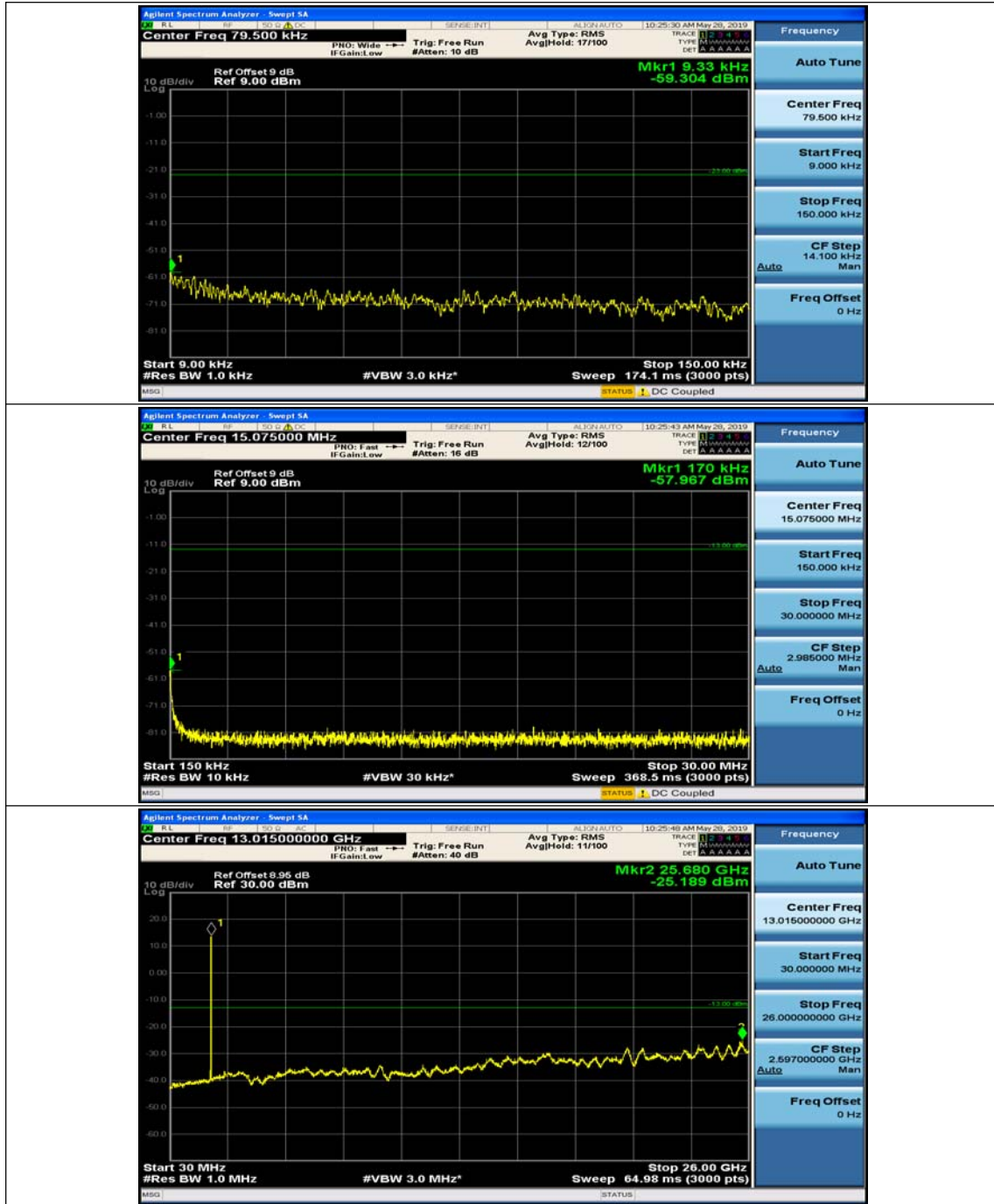


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

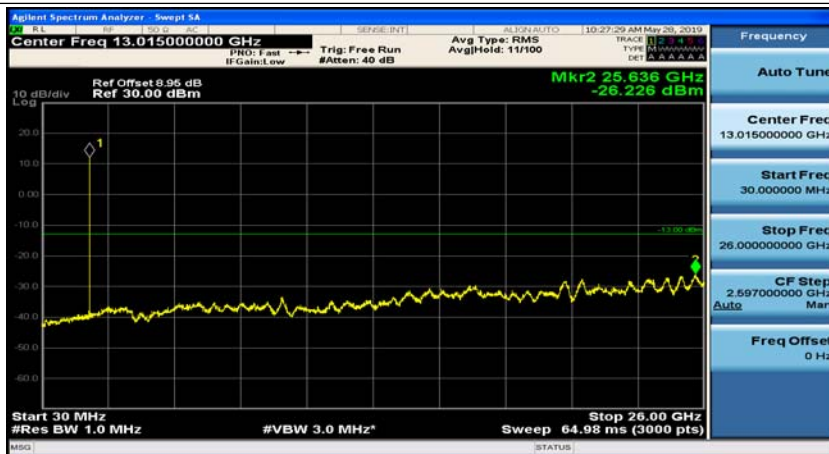
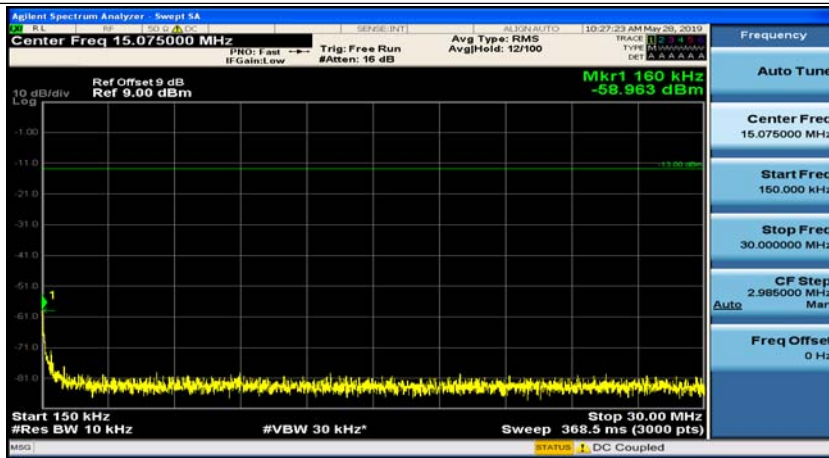
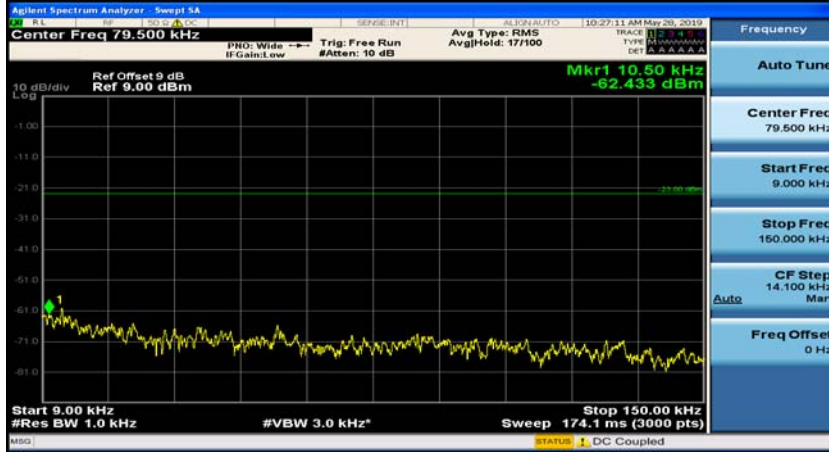


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

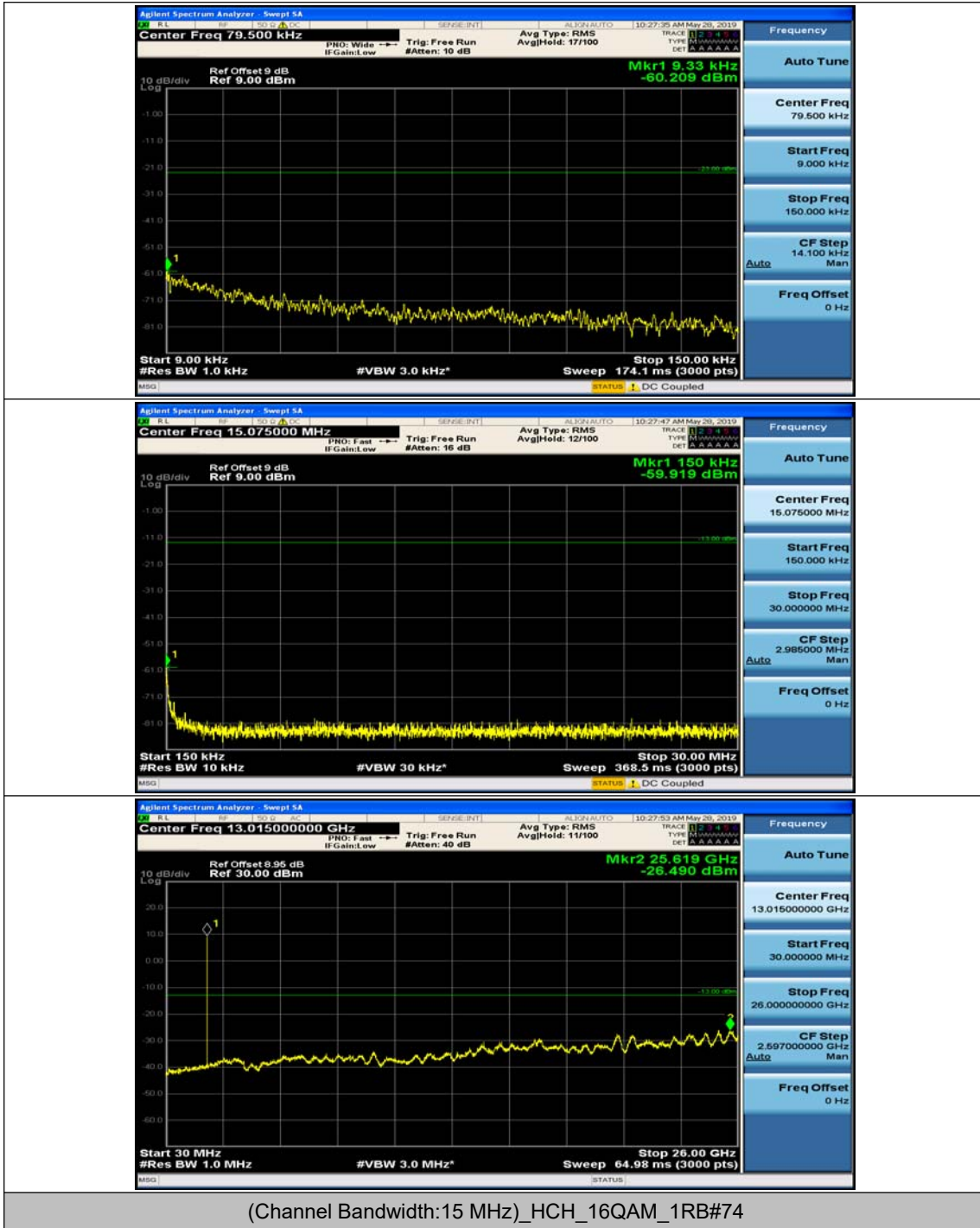


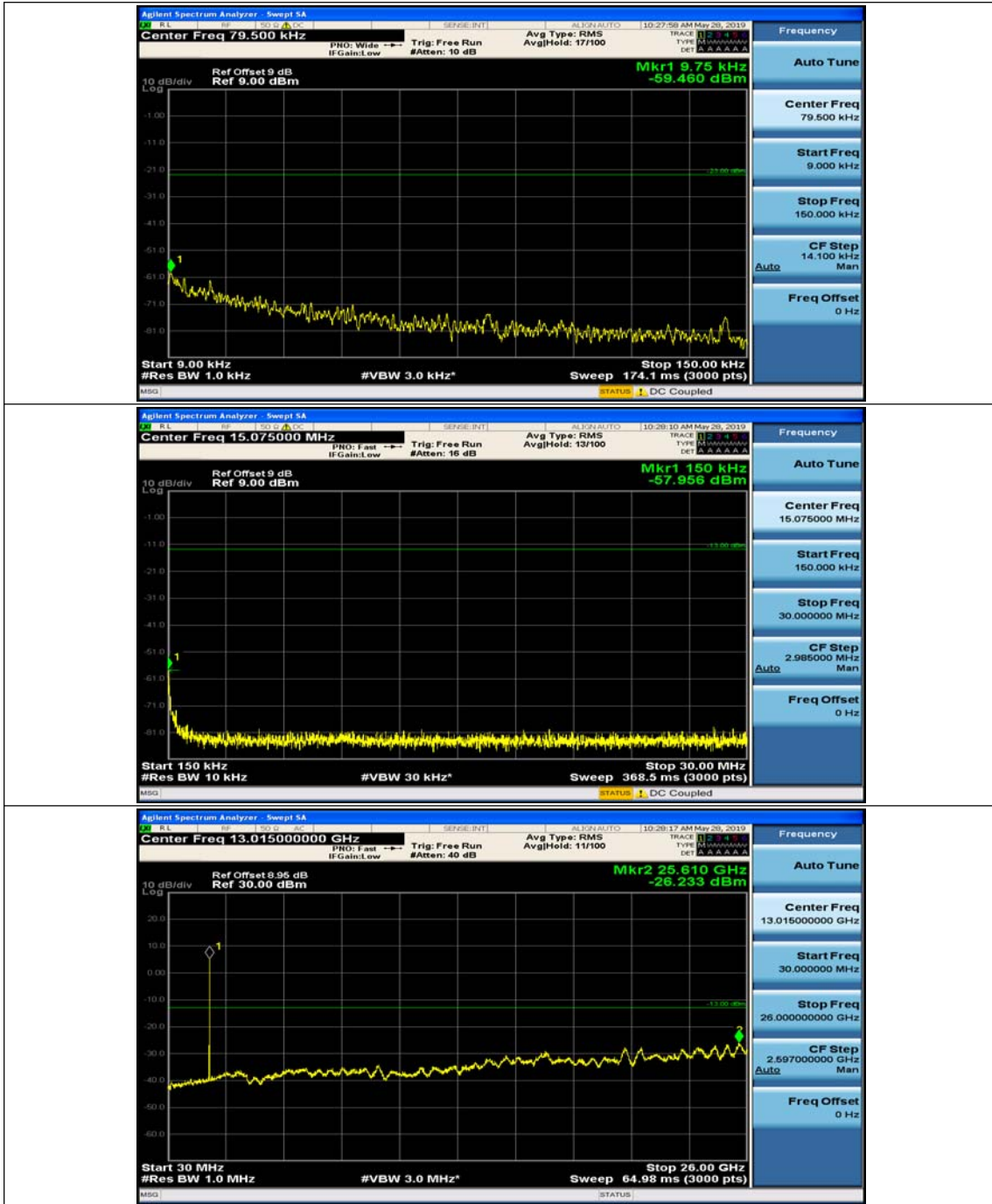


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

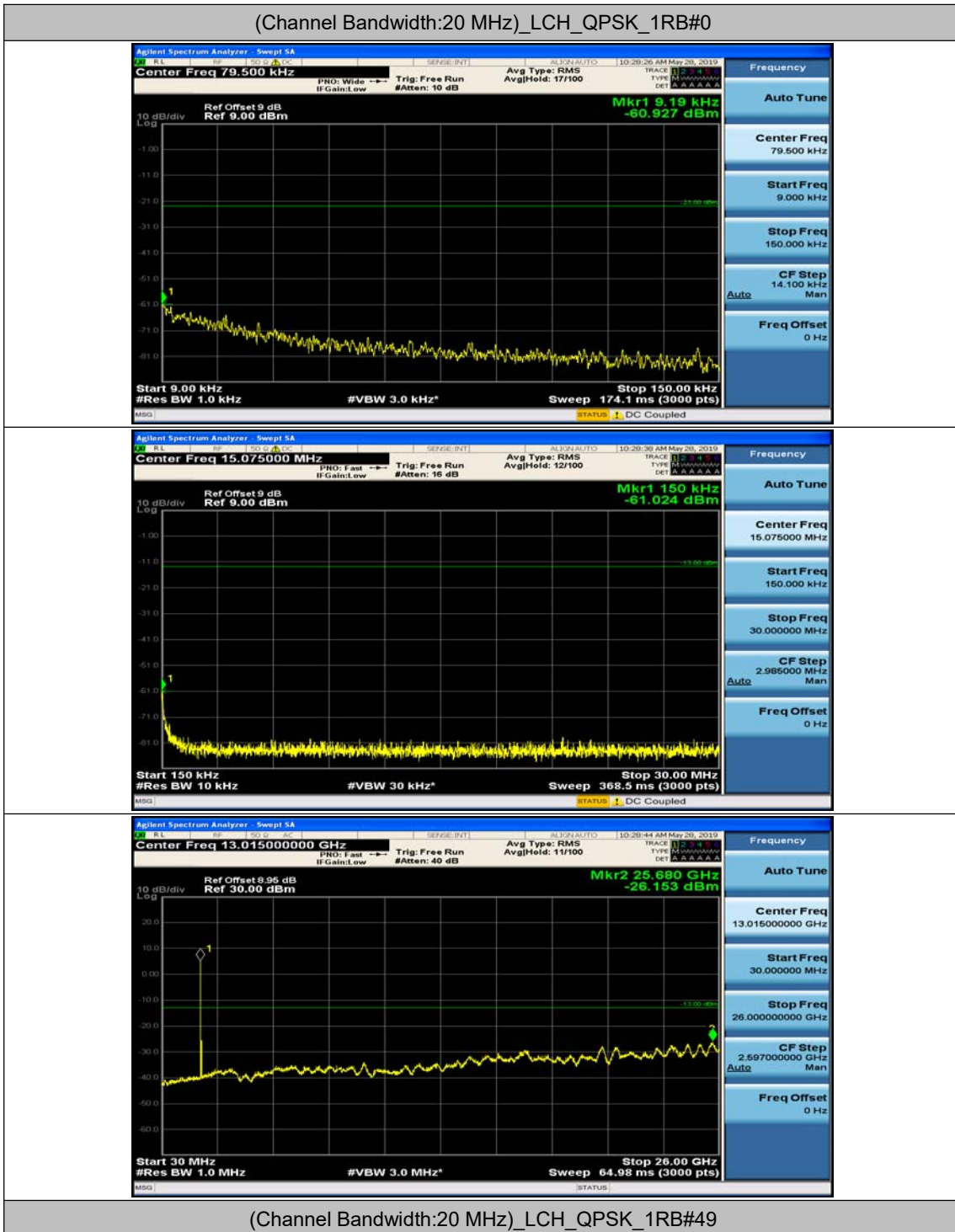


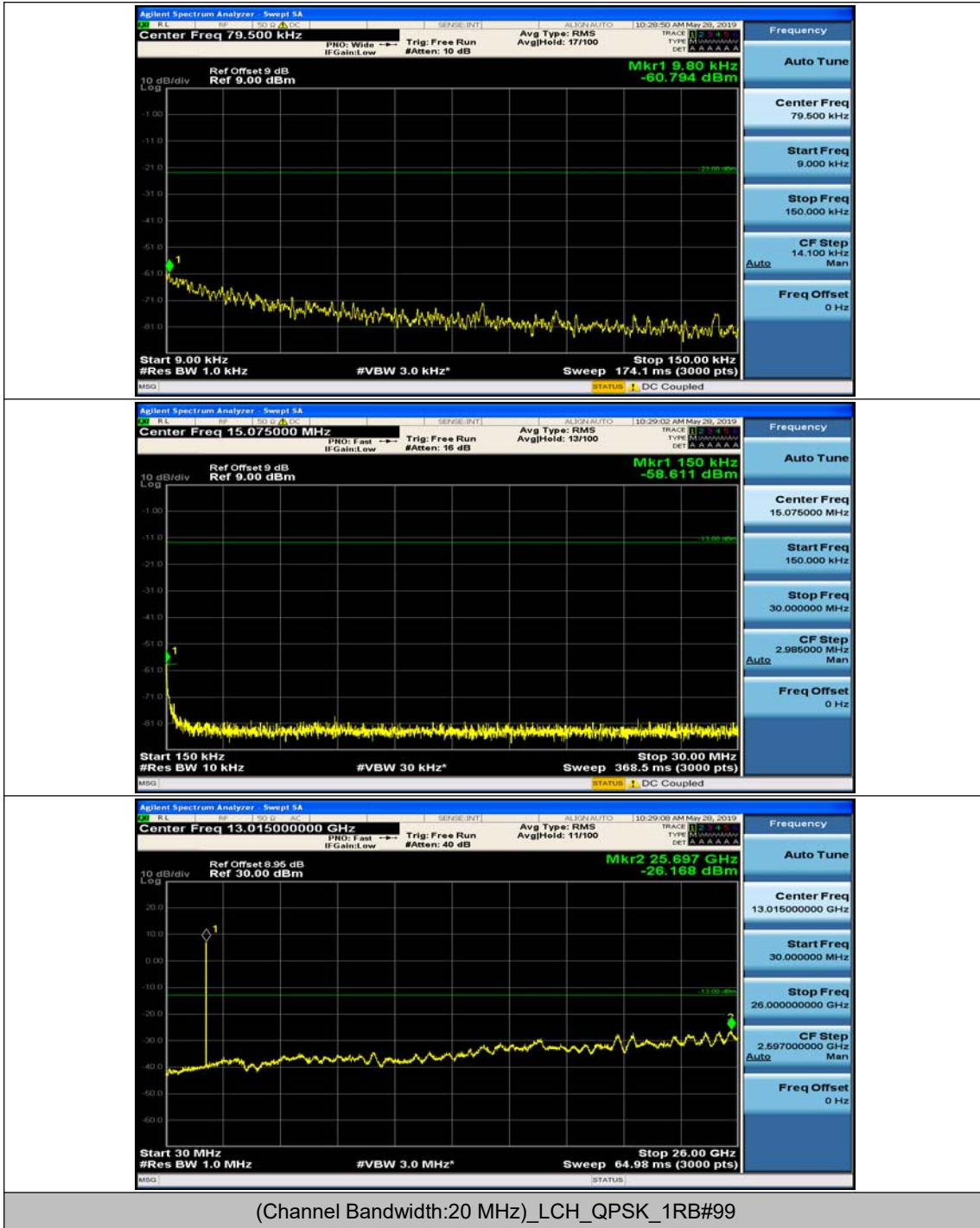
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

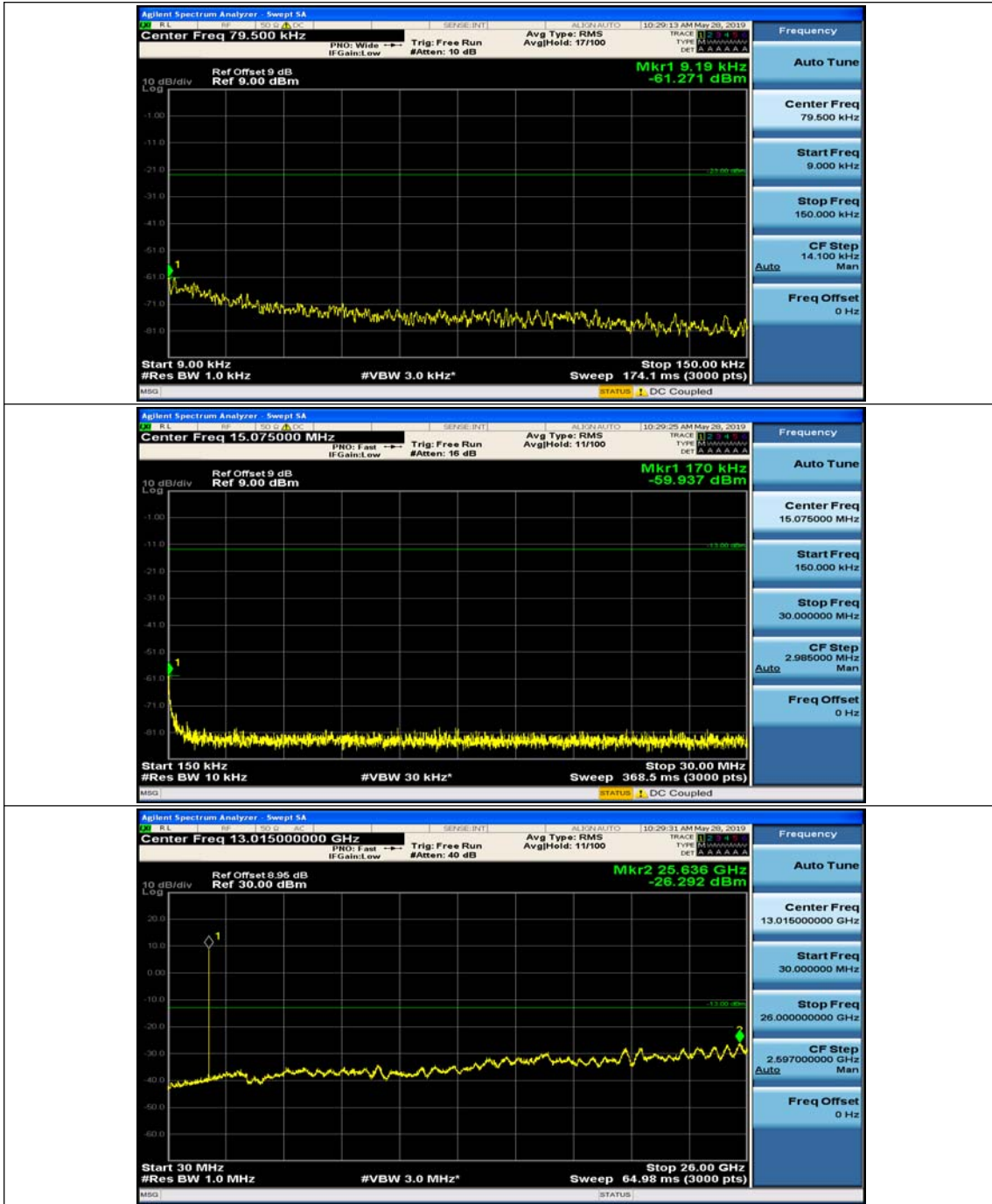




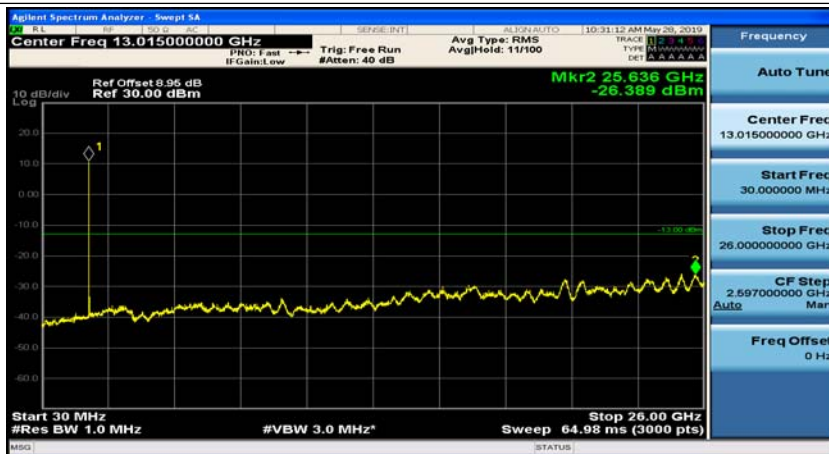
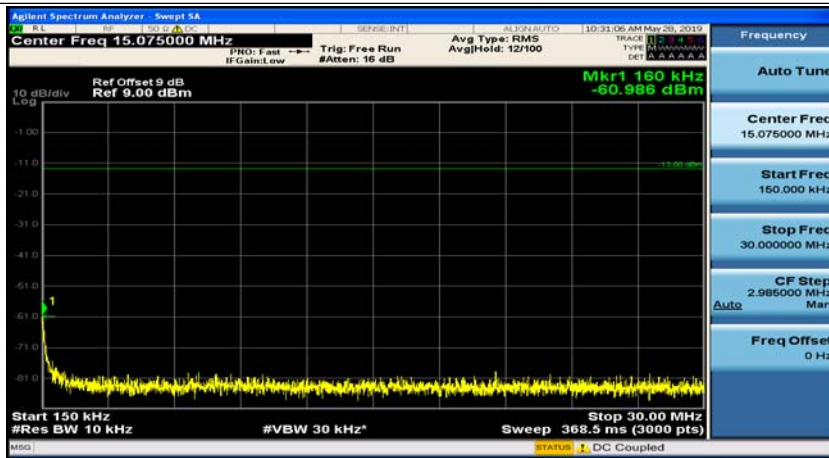
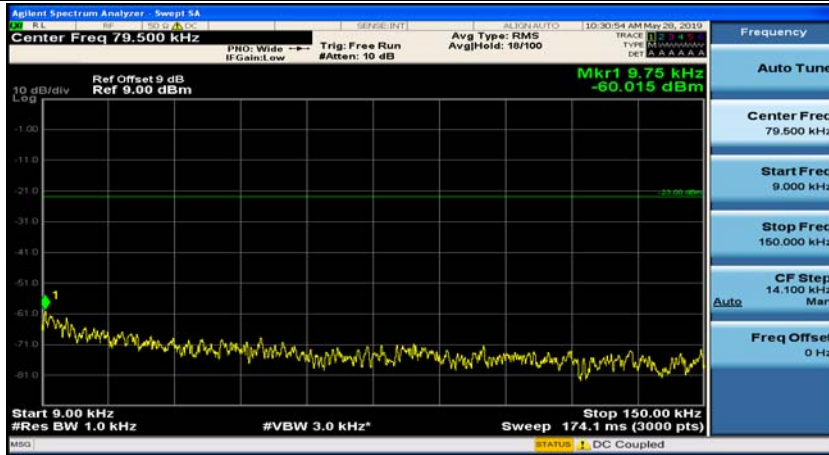
Channel Bandwidth: 20 MHz



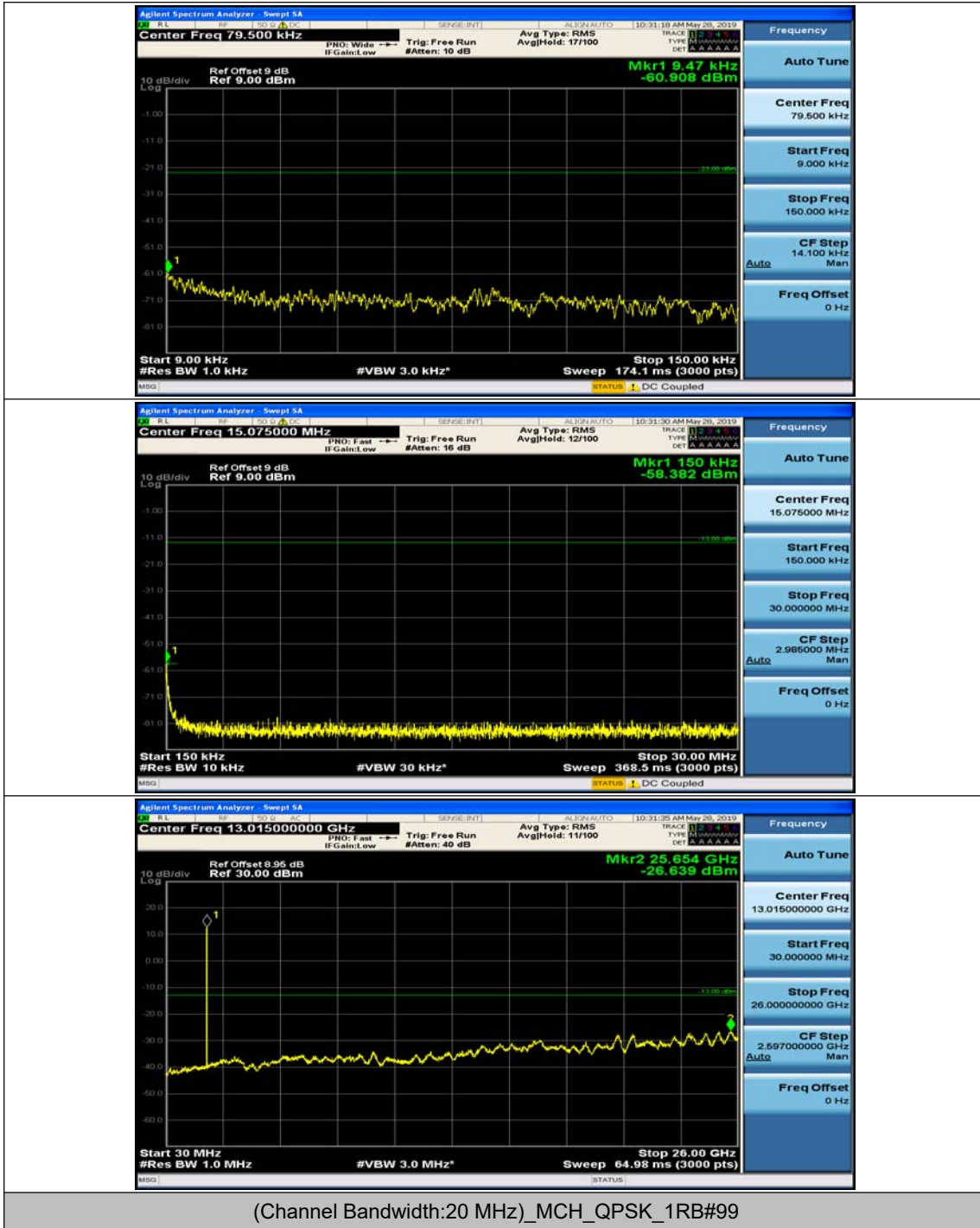


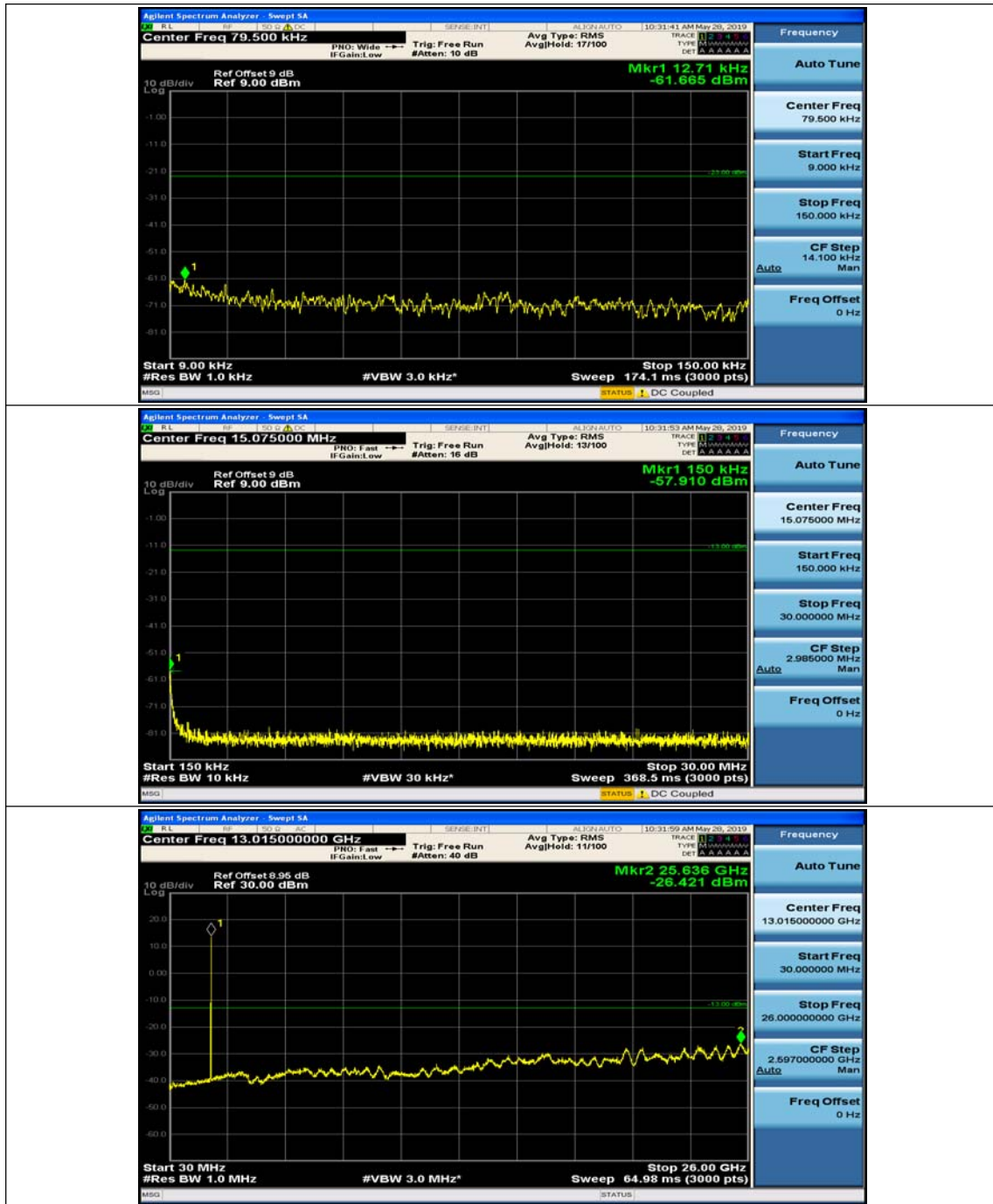


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

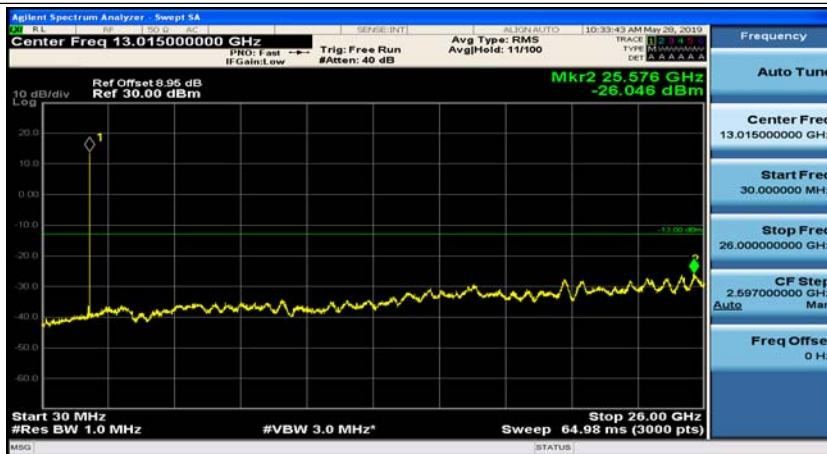
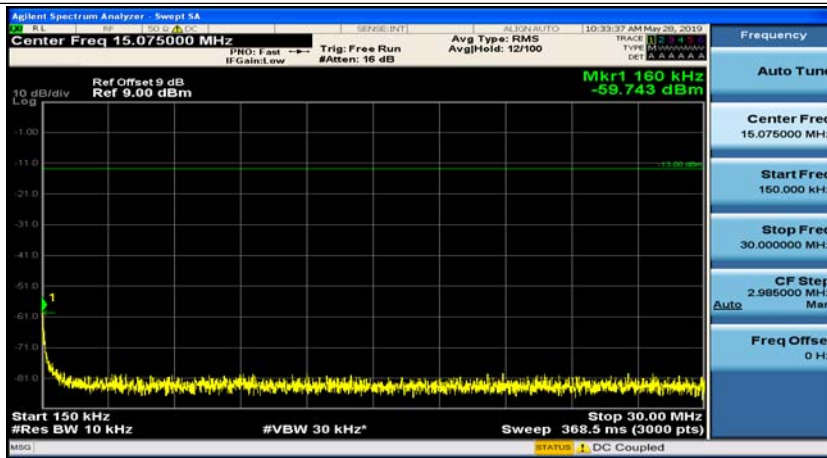
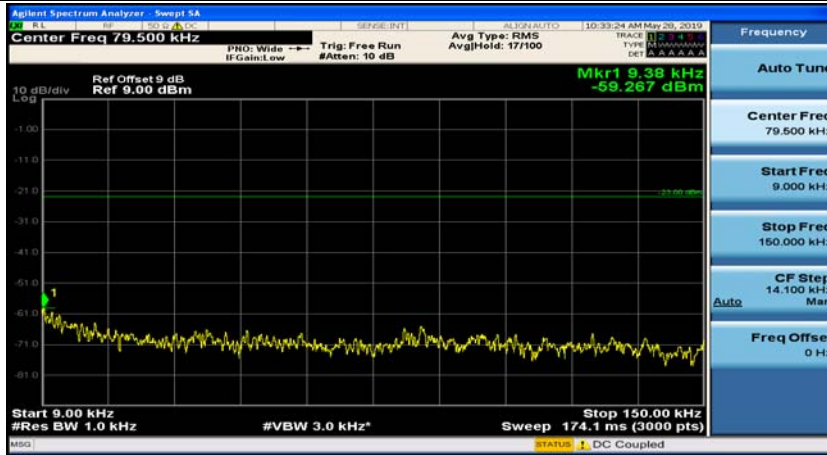


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

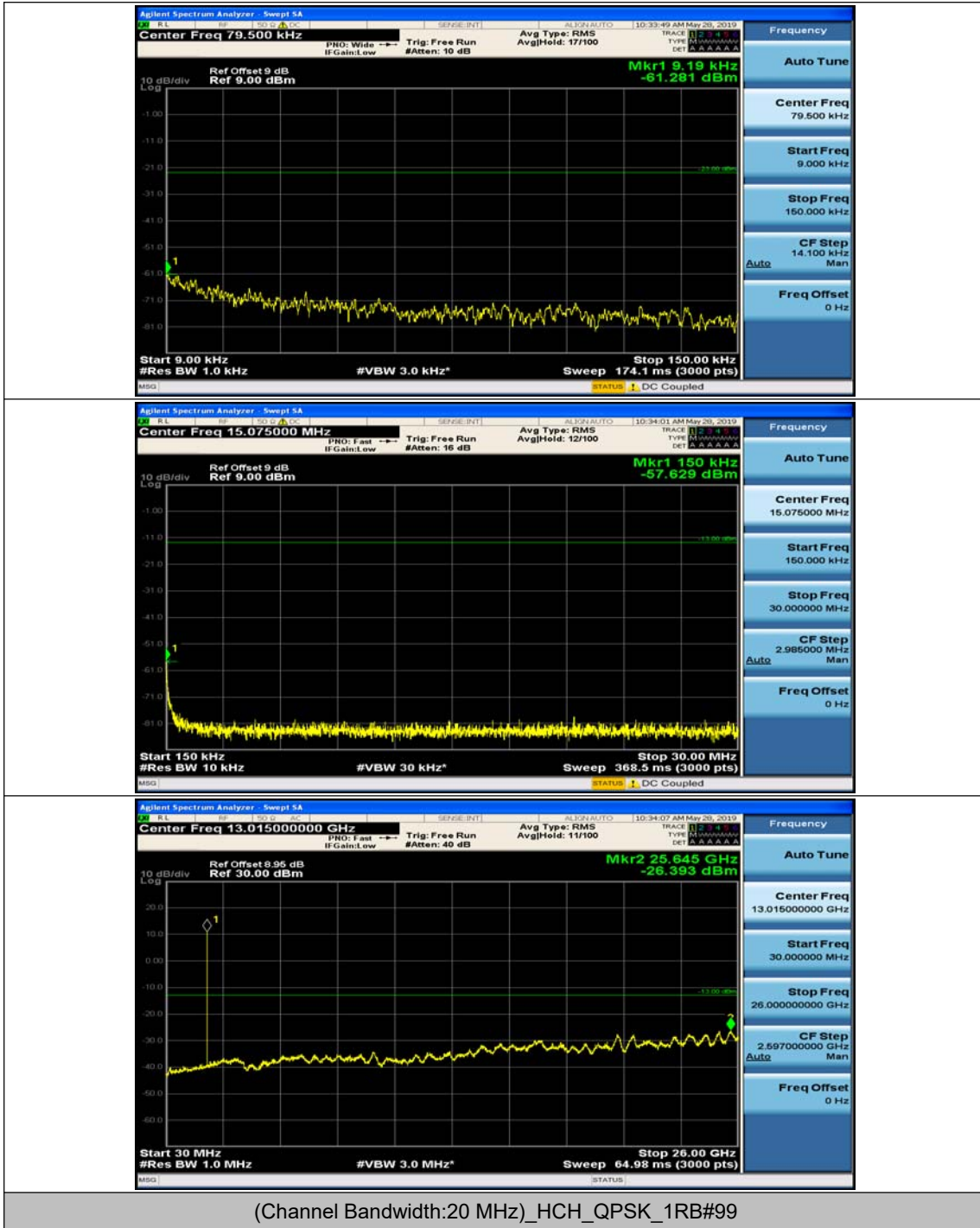


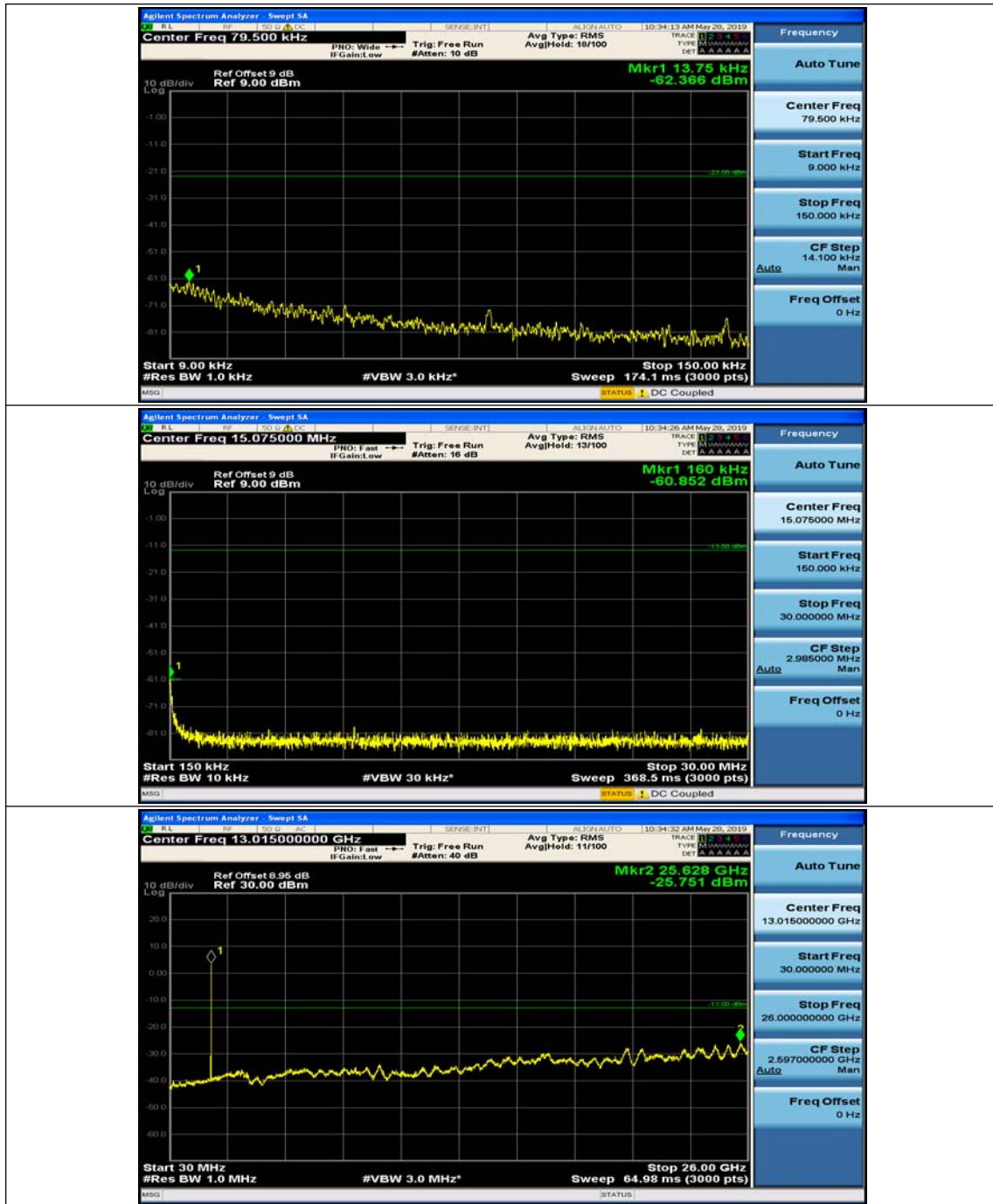


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

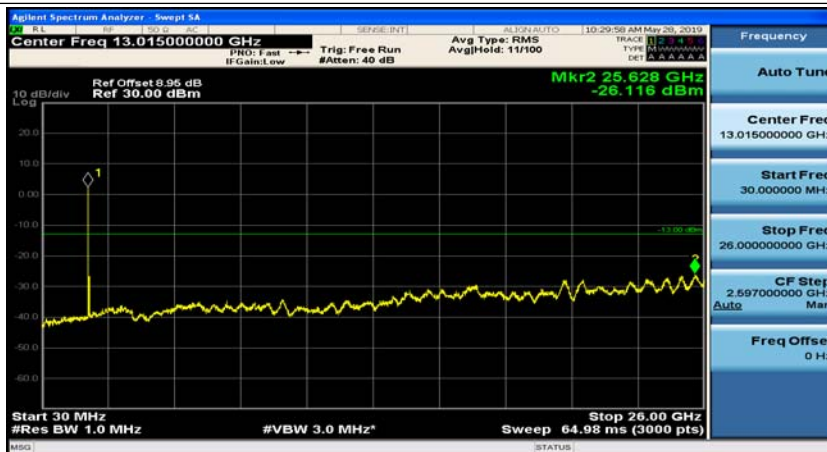
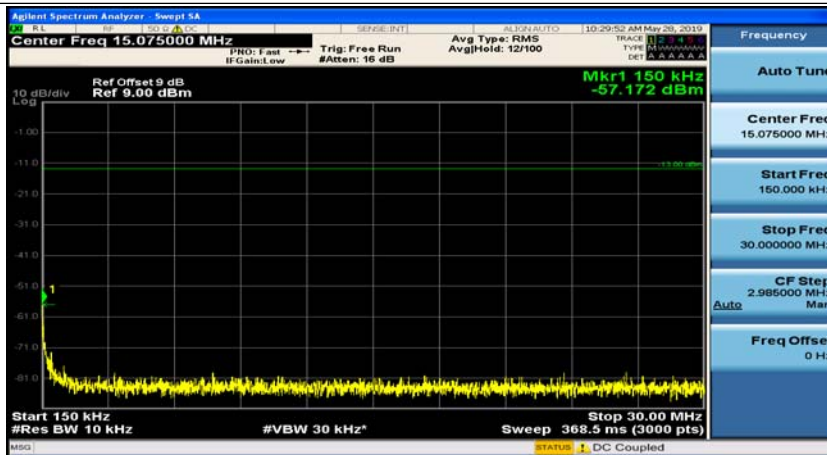
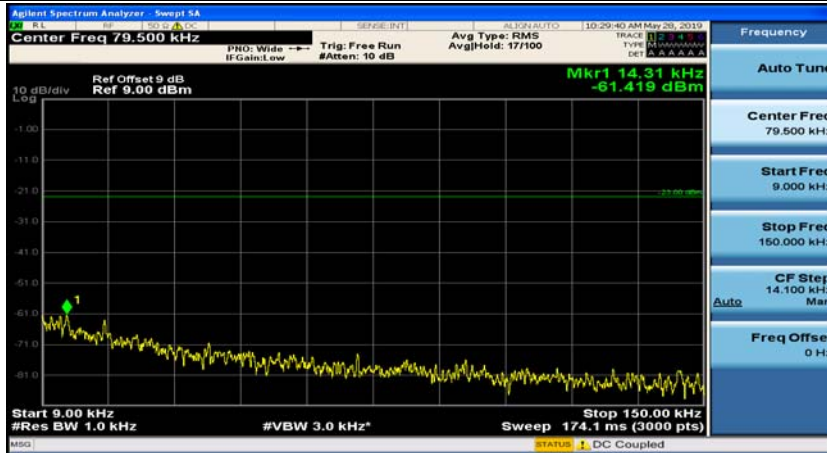


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

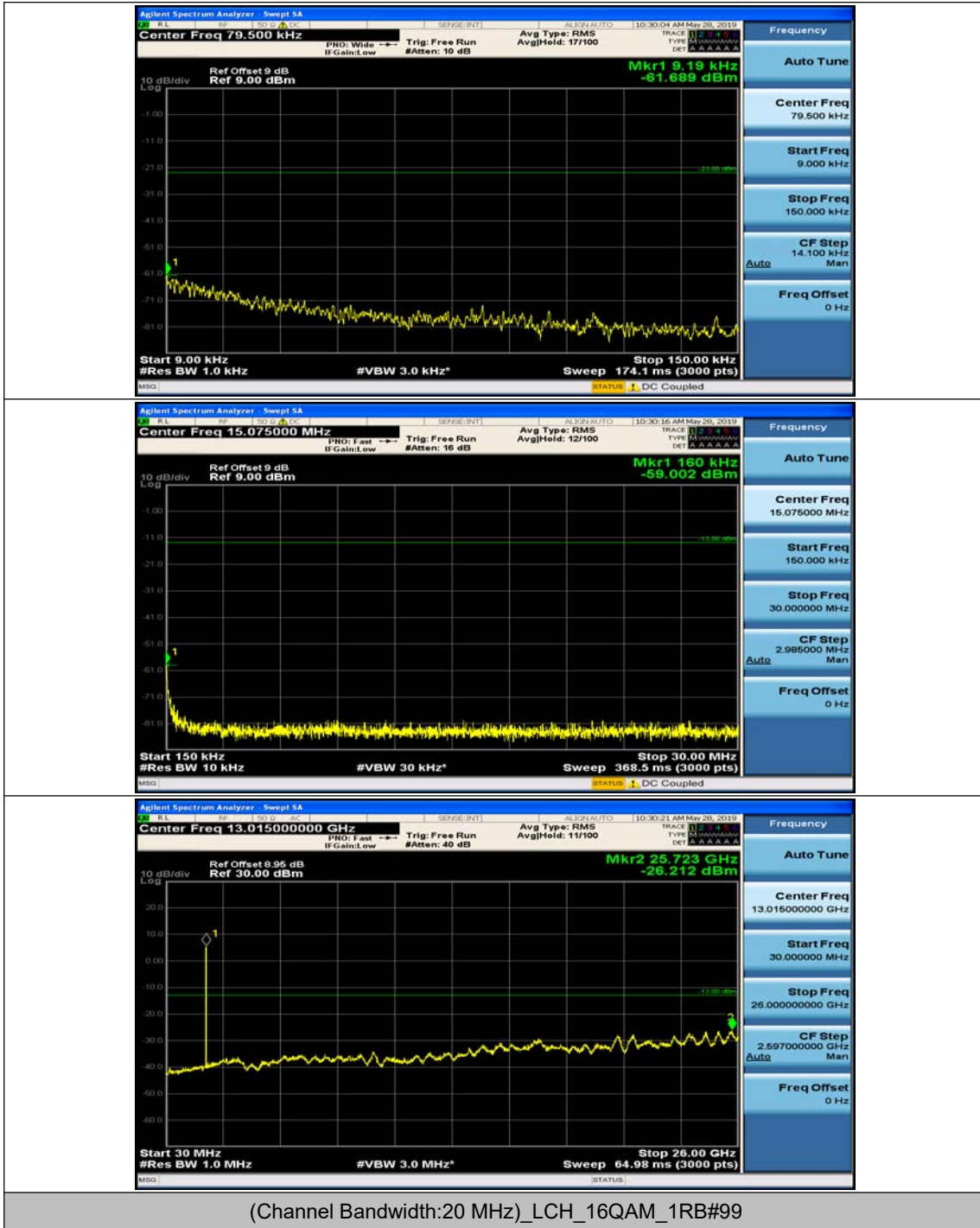


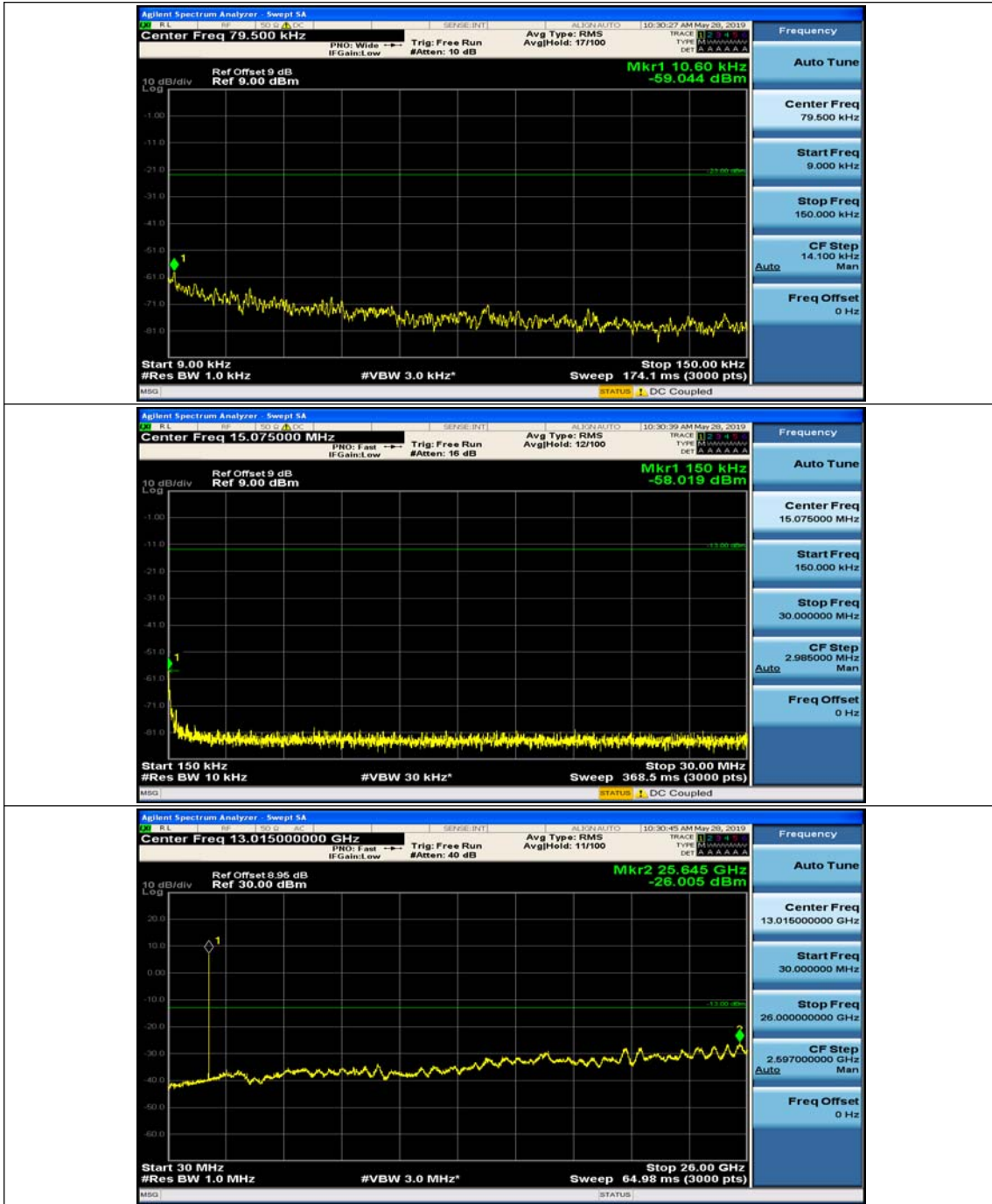


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

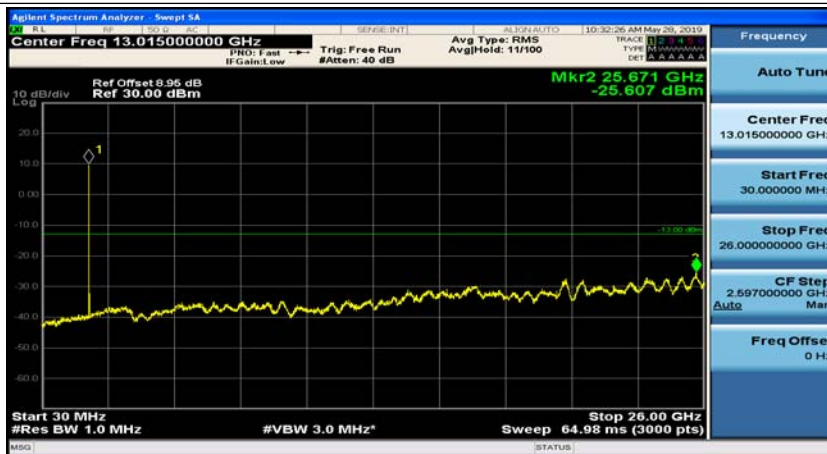
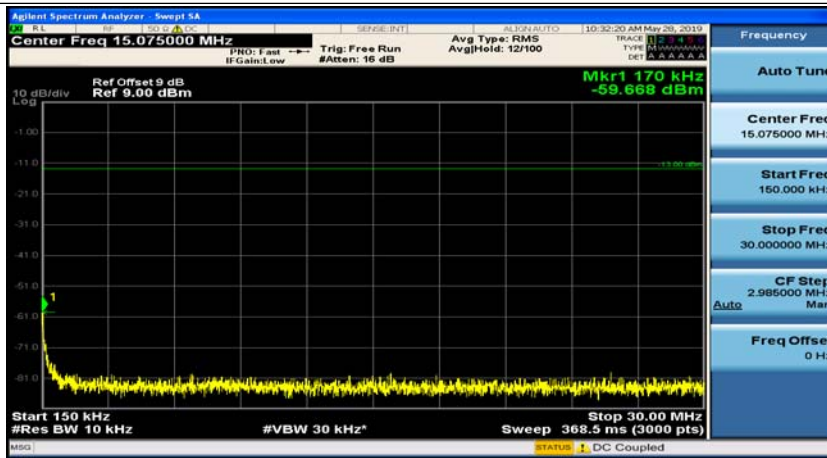
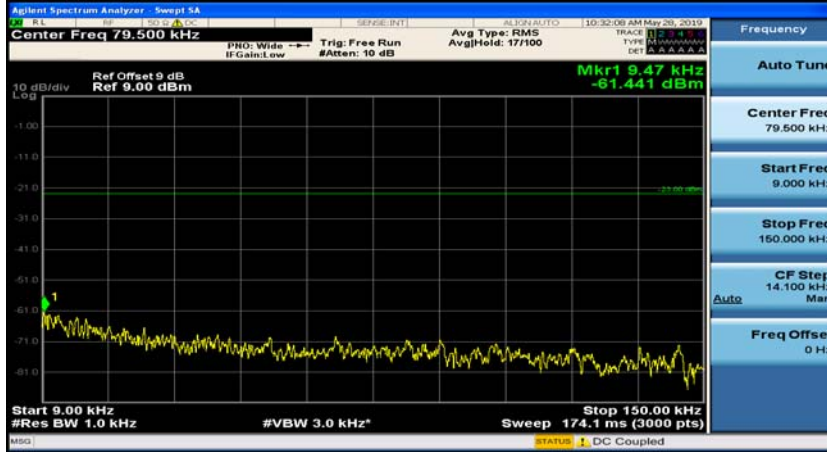


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

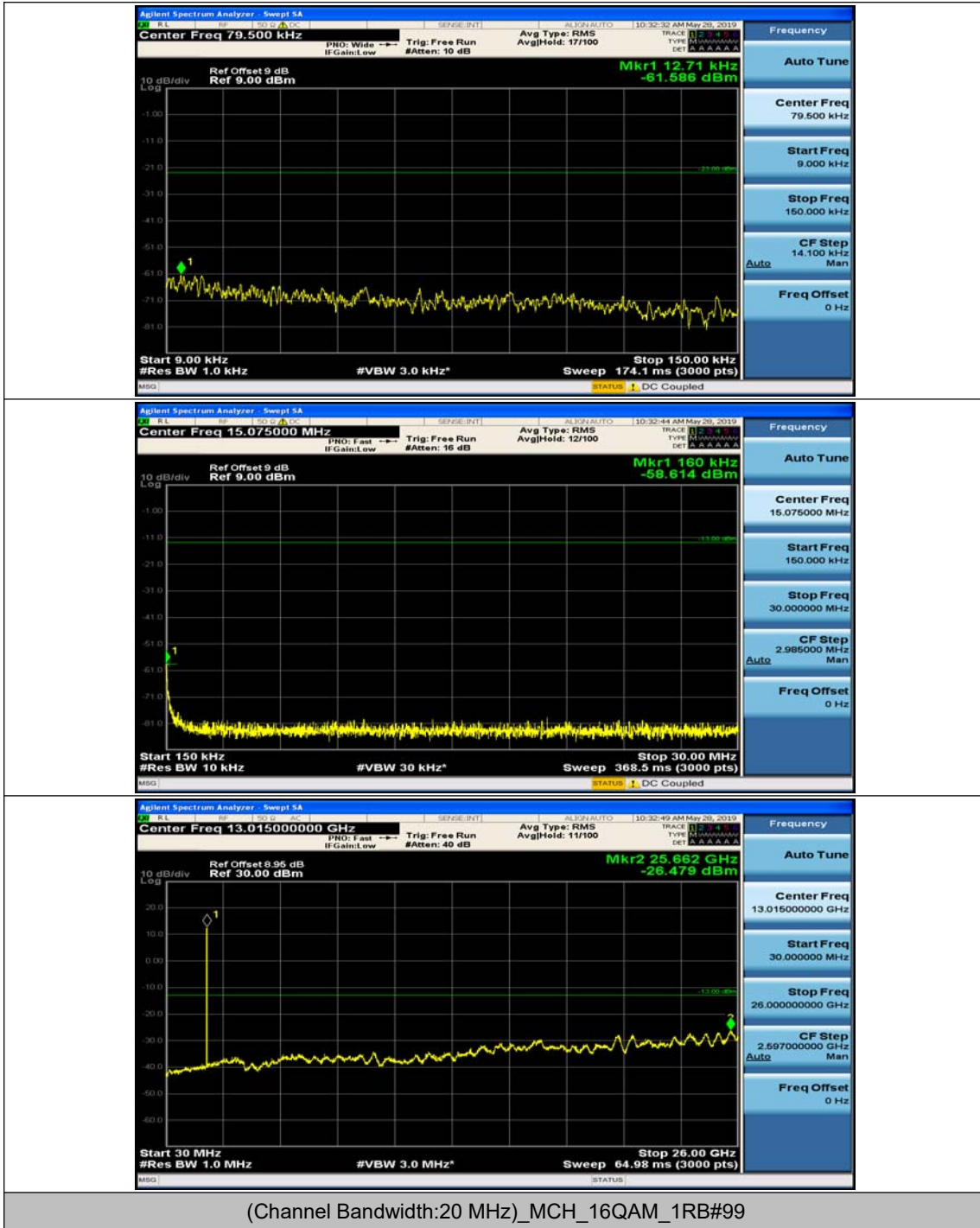


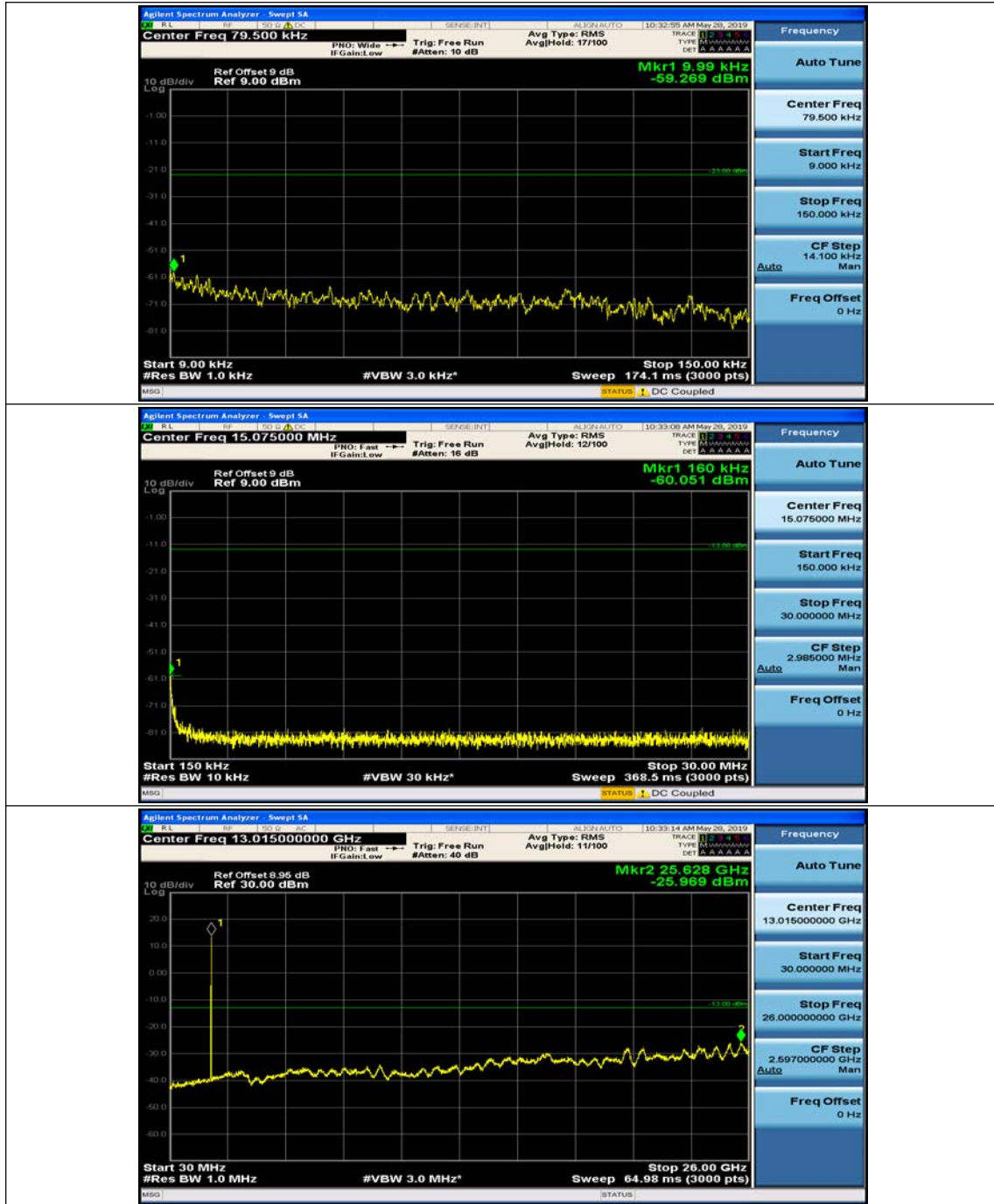


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

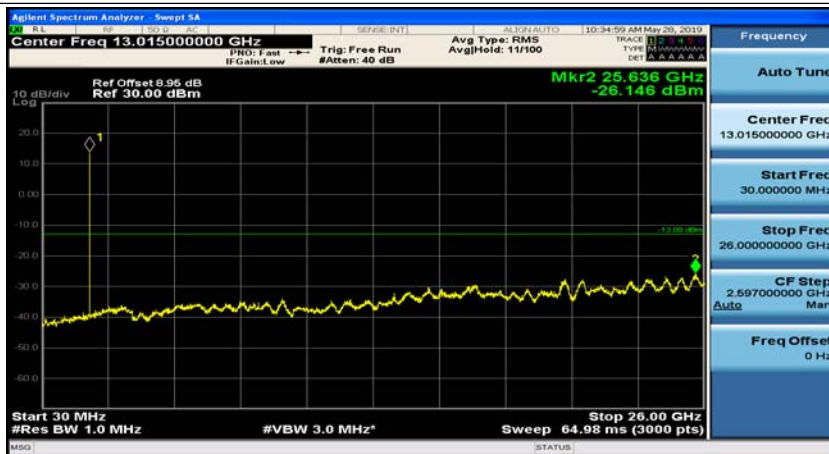
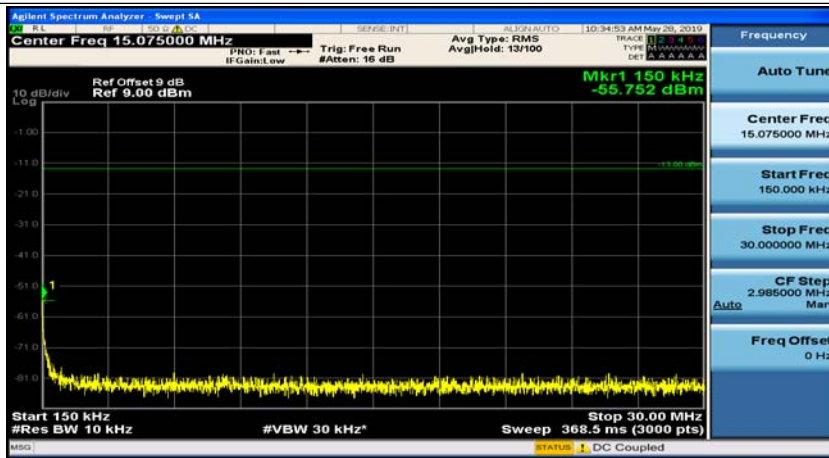
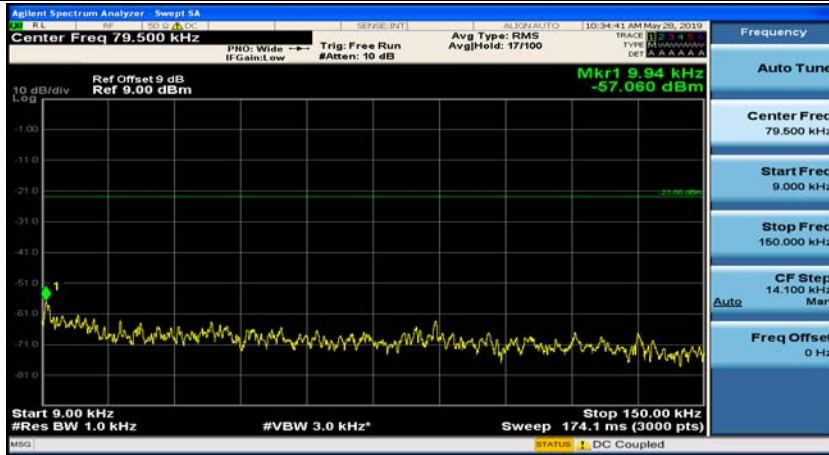


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

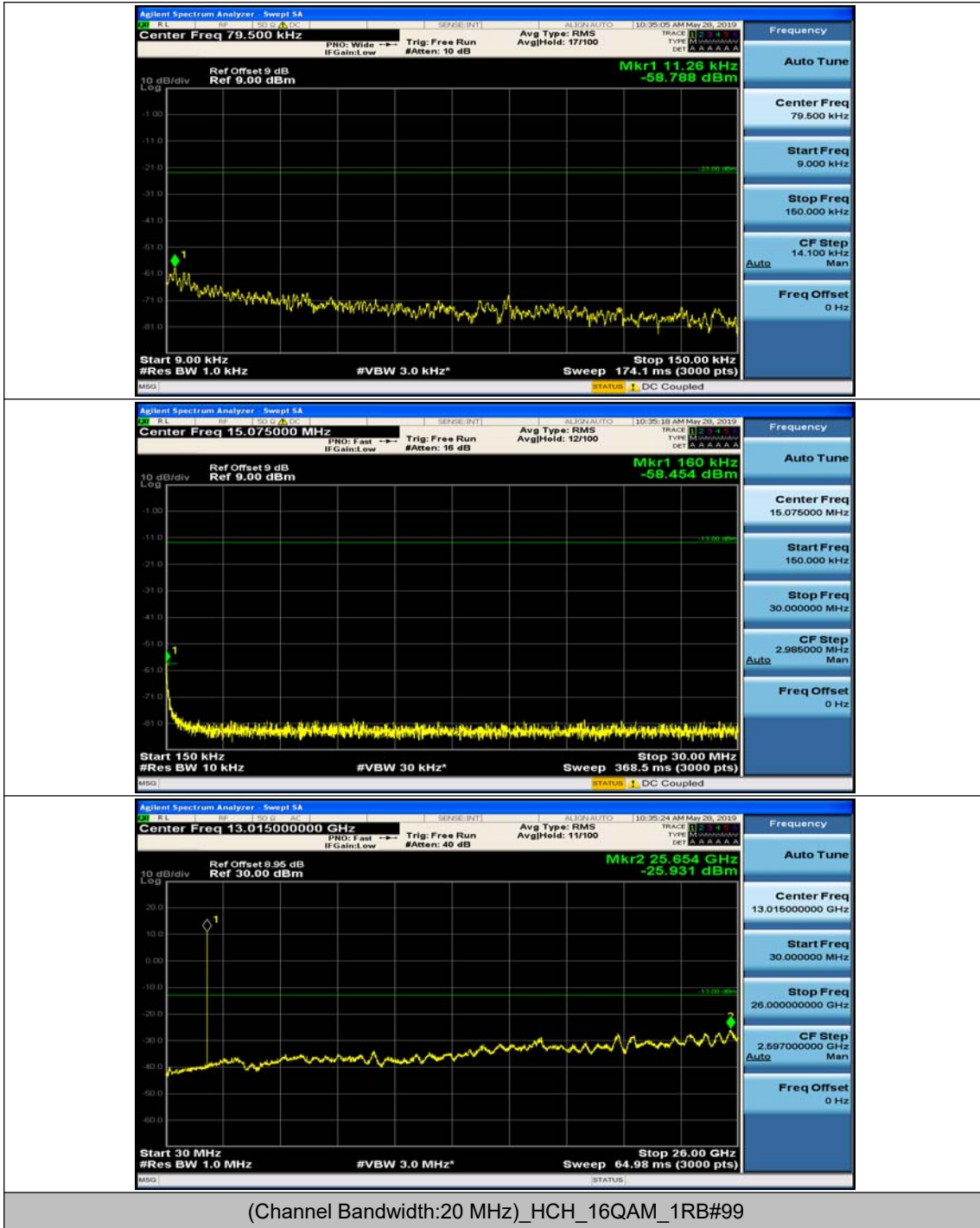


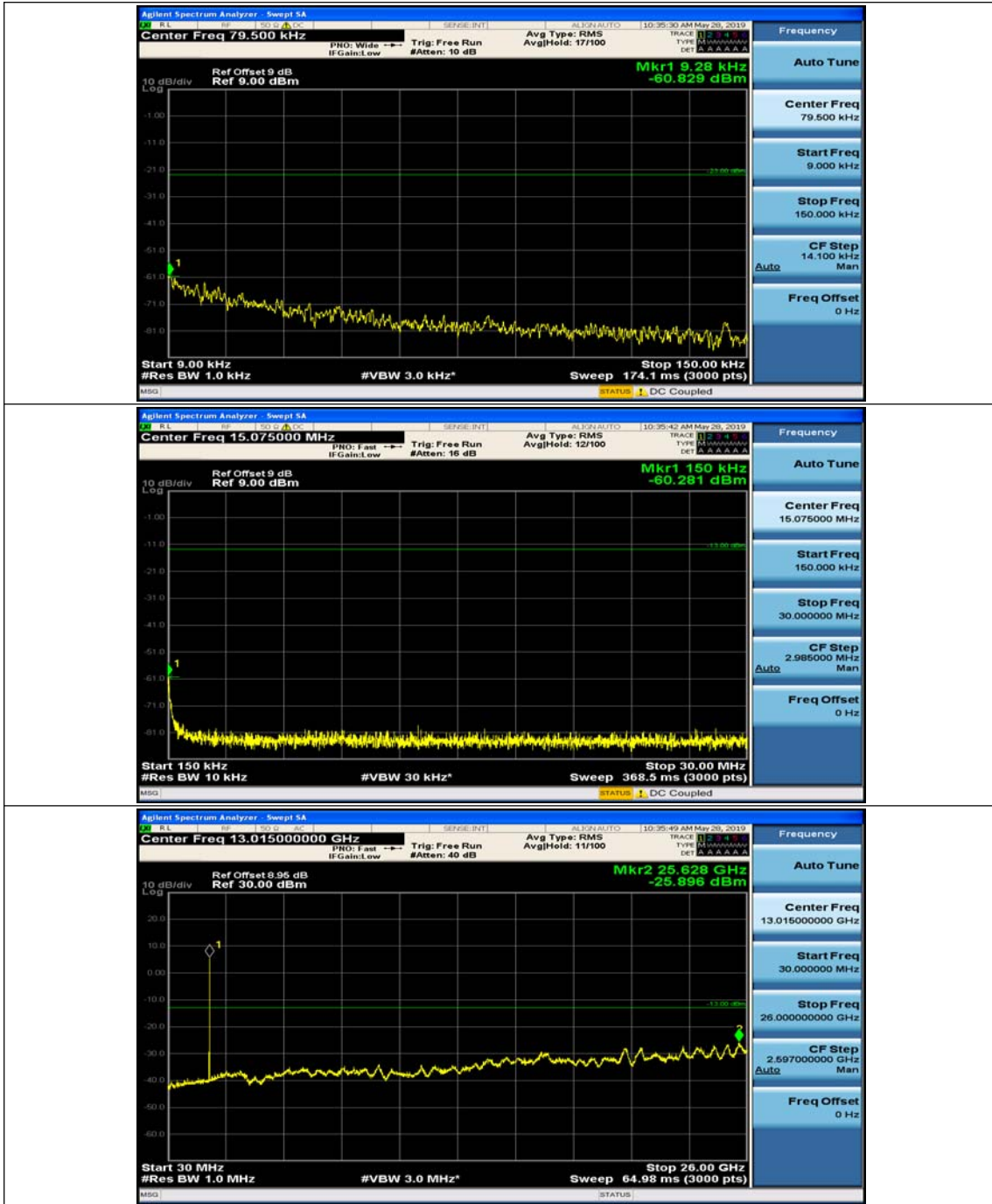


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	4.8	0.002594	± 2.5	PASS
		VN	TN	0.37	0.000200	± 2.5	PASS
		VH	TN	1.81	0.000978	± 2.5	PASS
	MCH	VL	TN	0.49	0.000261	± 2.5	PASS
		VN	TN	1.35	0.000718	± 2.5	PASS
		VH	TN	0.91	0.000484	± 2.5	PASS
	HCH	VL	TN	3.05	0.001597	± 2.5	PASS
		VN	TN	-0.75	-0.000393	± 2.5	PASS
		VH	TN	-0.83	-0.000435	± 2.5	PASS
16QAM	LCH	VL	TN	0.04	0.000022	± 2.5	PASS
		VN	TN	2.24	0.001210	± 2.5	PASS
		VH	TN	2.17	0.001173	± 2.5	PASS
	MCH	VL	TN	-0.65	-0.000346	± 2.5	PASS
		VN	TN	0.04	0.000021	± 2.5	PASS
		VH	TN	2.94	0.001564	± 2.5	PASS
	HCH	VL	TN	1.01	0.000529	± 2.5	PASS
		VN	TN	-0.48	-0.000251	± 2.5	PASS
		VH	TN	-1.31	-0.000686	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.65	0.001432	± 2.5	PASS
		VN	-20	-0.12	-0.000065	± 2.5	PASS
		VN	-10	-0.34	-0.000184	± 2.5	PASS
		VN	0	0.35	0.000189	± 2.5	PASS
		VN	10	4.54	0.002453	± 2.5	PASS
		VN	20	-0.81	-0.000438	± 2.5	PASS
		VN	30	1.67	0.000902	± 2.5	PASS
		VN	40	-0.52	-0.000281	± 2.5	PASS
	VN	50	-0.98	-0.000530	± 2.5	PASS	
MCH	VN	-30	-1.75	-0.000931	± 2.5	PASS	

		VN	-20	-0.39	-0.000207	± 2.5	PASS
		VN	-10	1.07	0.000569	± 2.5	PASS
		VN	0	2.67	0.001420	± 2.5	PASS
		VN	10	0.57	0.000303	± 2.5	PASS
		VN	20	0.08	0.000043	± 2.5	PASS
		VN	30	4.57	0.002431	± 2.5	PASS
		VN	40	3.54	0.001883	± 2.5	PASS
		VN	50	1.2	0.000638	± 2.5	PASS
	HCH	VN	-30	1.61	0.000843	± 2.5	PASS
		VN	-20	-0.92	-0.000482	± 2.5	PASS
		VN	-10	3.82	0.002001	± 2.5	PASS
		VN	0	0.96	0.000503	± 2.5	PASS
		VN	10	3	0.001571	± 2.5	PASS
		VN	20	-0.28	-0.000147	± 2.5	PASS
		VN	30	0.76	0.000398	± 2.5	PASS
		VN	40	-1.04	-0.000545	± 2.5	PASS
		VN	50	3.92	0.002053	± 2.5	PASS
		16QAM	LCH	VN	-30	2.52	0.001362
VN	-20			2.31	0.001248	± 2.5	PASS
VN	-10			2.4	0.001297	± 2.5	PASS
VN	0			-0.14	-0.000076	± 2.5	PASS
VN	10			-0.21	-0.000113	± 2.5	PASS
VN	20			0.53	0.000286	± 2.5	PASS
VN	30			0.17	0.000092	± 2.5	PASS
VN	40			0.38	0.000205	± 2.5	PASS
VN	50			0.47	0.000254	± 2.5	PASS
MCH	VN		-30	-1.93	-0.001027	± 2.5	PASS
	VN		-20	3	0.001596	± 2.5	PASS
	VN		-10	3.58	0.001904	± 2.5	PASS
	VN		0	2.89	0.001537	± 2.5	PASS
	VN		10	0.69	0.000367	± 2.5	PASS
	VN		20	0.6	0.000319	± 2.5	PASS
	VN		30	2.73	0.001452	± 2.5	PASS
	VN		40	4.89	0.002601	± 2.5	PASS
	VN		50	2.18	0.001160	± 2.5	PASS
HCH	VN		-30	4.47	0.002341	± 2.5	PASS
	VN		-20	-1.87	-0.000979	± 2.5	PASS
	VN		-10	4.09	0.002142	± 2.5	PASS
	VN		0	2.26	0.001184	± 2.5	PASS
	VN		10	4.72	0.002472	± 2.5	PASS
	VN		20	-1.38	-0.000723	± 2.5	PASS

		VN	30	0.71	0.000372	± 2.5	PASS
		VN	40	0.28	0.000147	± 2.5	PASS
		VN	50	4.59	0.002404	± 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	1.41	0.000762	± 2.5	PASS
		VN	TN	-0.31	-0.000167	± 2.5	PASS
		VH	TN	0.51	0.000275	± 2.5	PASS
	MCH	VL	TN	4.3	0.002287	± 2.5	PASS
		VN	TN	-0.2	-0.000106	± 2.5	PASS
		VH	TN	3.59	0.001910	± 2.5	PASS
	HCH	VL	TN	3.3	0.001729	± 2.5	PASS
		VN	TN	3.76	0.001970	± 2.5	PASS
		VH	TN	0.6	0.000314	± 2.5	PASS
16QAM	LCH	VL	TN	0.53	0.000286	± 2.5	PASS
		VN	TN	4.44	0.002398	± 2.5	PASS
		VH	TN	3.16	0.001707	± 2.5	PASS
	MCH	VL	TN	3.6	0.001915	± 2.5	PASS
		VN	TN	-0.19	-0.000101	± 2.5	PASS
		VH	TN	1.47	0.000782	± 2.5	PASS
	HCH	VL	TN	0.6	0.000314	± 2.5	PASS
		VN	TN	1.54	0.000807	± 2.5	PASS
		VH	TN	-0.69	-0.000362	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.85	-0.000459	± 2.5	PASS
		VN	-20	-1.13	-0.000610	± 2.5	PASS
		VN	-10	0.01	0.000005	± 2.5	PASS
		VN	0	3.37	0.001820	± 2.5	PASS
		VN	10	0.75	0.000405	± 2.5	PASS
		VN	20	0.25	0.000135	± 2.5	PASS
		VN	30	2.83	0.001528	± 2.5	PASS
		VN	40	0.94	0.000508	± 2.5	PASS
		VN	50	-0.92	-0.000497	± 2.5	PASS
	MCH	VN	-30	-1.31	-0.000697	± 2.5	PASS
		VN	-20	-0.91	-0.000484	± 2.5	PASS

		VN	-10	-1.39	-0.000739	± 2.5	PASS	
		VN	0	0.78	0.000415	± 2.5	PASS	
		VN	10	2.73	0.001452	± 2.5	PASS	
		VN	20	3.6	0.001915	± 2.5	PASS	
		VN	30	4.43	0.002356	± 2.5	PASS	
		VN	40	4.92	0.002617	± 2.5	PASS	
		VN	50	-1.07	-0.000569	± 2.5	PASS	
	HCH	VN	-30	-0.91	-0.000477	± 2.5	PASS	
		VN	-20	1.18	0.000618	± 2.5	PASS	
		VN	-10	1.5	0.000786	± 2.5	PASS	
		VN	0	1.53	0.000802	± 2.5	PASS	
		VN	10	0.33	0.000173	± 2.5	PASS	
		VN	20	4.53	0.002374	± 2.5	PASS	
		VN	30	-0.75	-0.000393	± 2.5	PASS	
	QPSK	LCH	VN	40	-1.42	-0.000744	± 2.5	PASS
			VN	50	0.02	0.000010	± 2.5	PASS
			VN	-30	2.64	0.001426	± 2.5	PASS
			VN	-20	4.83	0.002609	± 2.5	PASS
VN			-10	-1.86	-0.001005	± 2.5	PASS	
VN			0	4.26	0.002301	± 2.5	PASS	
VN			10	3.05	0.001647	± 2.5	PASS	
VN			20	2.58	0.001393	± 2.5	PASS	
VN			30	-1.96	-0.001059	± 2.5	PASS	
MCH		VN	40	2.74	0.001480	± 2.5	PASS	
		VN	50	-1.1	-0.000594	± 2.5	PASS	
		VN	-30	4.13	0.002197	± 2.5	PASS	
		VN	-20	3.15	0.001676	± 2.5	PASS	
		VN	-10	4.27	0.002271	± 2.5	PASS	
		VN	0	2.74	0.001457	± 2.5	PASS	
		VN	10	-1.29	-0.000686	± 2.5	PASS	
		VN	20	0.46	0.000245	± 2.5	PASS	
		VN	30	2.31	0.001229	± 2.5	PASS	
HCH	VN	40	3.12	0.001660	± 2.5	PASS		
	VN	50	0.16	0.000085	± 2.5	PASS		
	VN	-30	1.94	0.001017	± 2.5	PASS		
	VN	-20	1.61	0.000844	± 2.5	PASS		
	VN	-10	2.64	0.001383	± 2.5	PASS		
	VN	0	3.76	0.001970	± 2.5	PASS		
	VN	10	0.66	0.000346	± 2.5	PASS		
VN	20	-0.08	-0.000042	± 2.5	PASS			
VN	30	3.35	0.001755	± 2.5	PASS			

		VN	40	2.83	0.001483	± 2.5	PASS
		VN	50	-1.86	-0.000975	± 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	-0.7	-0.000378	± 2.5	PASS
		VN	TN	3.9	0.002105	± 2.5	PASS
		VH	TN	3.97	0.002143	± 2.5	PASS
	MCH	VL	TN	2.91	0.001548	± 2.5	PASS
		VN	TN	3.16	0.001681	± 2.5	PASS
		VH	TN	-0.61	-0.000324	± 2.5	PASS
	HCH	VL	TN	2.87	0.001505	± 2.5	PASS
		VN	TN	0.38	0.000199	± 2.5	PASS
		VH	TN	-1.74	-0.000912	± 2.5	PASS
16QAM	LCH	VL	TN	3.15	0.001700	± 2.5	PASS
		VN	TN	4.42	0.002386	± 2.5	PASS
		VH	TN	3.68	0.001987	± 2.5	PASS
	MCH	VL	TN	4.85	0.002580	± 2.5	PASS
		VN	TN	4.69	0.002495	± 2.5	PASS
		VH	TN	4.05	0.002154	± 2.5	PASS
	HCH	VL	TN	-0.82	-0.000430	± 2.5	PASS
		VN	TN	1.3	0.000682	± 2.5	PASS
		VH	TN	-1.17	-0.000613	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.21	-0.000113	± 2.5	PASS
		VN	-20	1.51	0.000815	± 2.5	PASS
		VN	-10	1.81	0.000977	± 2.5	PASS
		VN	0	-0.95	-0.000513	± 2.5	PASS
		VN	10	1.55	0.000837	± 2.5	PASS
		VN	20	3.96	0.002138	± 2.5	PASS
		VN	30	-0.62	-0.000335	± 2.5	PASS
		VN	40	1.59	0.000858	± 2.5	PASS
		VN	50	3.9	0.002105	± 2.5	PASS
	MCH	VN	-30	2.68	0.001426	± 2.5	PASS
		VN	-20	4	0.002128	± 2.5	PASS
		VN	-10	0.82	0.000436	± 2.5	PASS

		VN	0	-1.68	-0.000894	± 2.5	PASS		
		VN	10	4.78	0.002543	± 2.5	PASS		
		VN	20	3.55	0.001888	± 2.5	PASS		
		VN	30	4.66	0.002479	± 2.5	PASS		
		VN	40	2.33	0.001239	± 2.5	PASS		
		VN	50	2.81	0.001495	± 2.5	PASS		
	HCH	VN	-30	-1.36	-0.000713	± 2.5	PASS		
		VN	-20	-0.08	-0.000042	± 2.5	PASS		
		VN	-10	2.48	0.001300	± 2.5	PASS		
		VN	0	1.24	0.000650	± 2.5	PASS		
		VN	10	3.08	0.001615	± 2.5	PASS		
		VN	20	0.76	0.000398	± 2.5	PASS		
		VN	30	-1.72	-0.000902	± 2.5	PASS		
		VN	40	-1	-0.000524	± 2.5	PASS		
		VN	50	0.41	0.000215	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.82	-0.000443	± 2.5	PASS
				VN	-20	2.96	0.001598	± 2.5	PASS
				VN	-10	1.23	0.000664	± 2.5	PASS
VN	0			1.87	0.001009	± 2.5	PASS		
VN	10			1.19	0.000642	± 2.5	PASS		
VN	20			1.58	0.000853	± 2.5	PASS		
VN	30			0.94	0.000507	± 2.5	PASS		
VN	40			2.16	0.001166	± 2.5	PASS		
VN	50			2.25	0.001215	± 2.5	PASS		
MCH	VN		-30	-0.13	-0.000069	± 2.5	PASS		
	VN		-20	-1.86	-0.000989	± 2.5	PASS		
	VN		-10	3.14	0.001670	± 2.5	PASS		
	VN		0	4.87	0.002590	± 2.5	PASS		
	VN		10	1.47	0.000782	± 2.5	PASS		
	VN		20	0.39	0.000207	± 2.5	PASS		
	VN		30	0.13	0.000069	± 2.5	PASS		
	VN		40	1.5	0.000798	± 2.5	PASS		
	VN		50	2.37	0.001261	± 2.5	PASS		
HCH	VN		-30	2.3	0.001206	± 2.5	PASS		
	VN		-20	-1.24	-0.000650	± 2.5	PASS		
	VN		-10	-0.49	-0.000257	± 2.5	PASS		
	VN		0	-1.75	-0.000917	± 2.5	PASS		
	VN		10	0.65	0.000341	± 2.5	PASS		
	VN		20	1.76	0.000923	± 2.5	PASS		
	VN		30	-1.17	-0.000613	± 2.5	PASS		
	VN		40	0.58	0.000304	± 2.5	PASS		

		VN	50	4.69	0.002459	± 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	-1.28	-0.000690	± 2.5	PASS
		VN	TN	3.47	0.001871	± 2.5	PASS
		VH	TN	0.07	0.000038	± 2.5	PASS
	MCH	VL	TN	3.16	0.001681	± 2.5	PASS
		VN	TN	-1.76	-0.000936	± 2.5	PASS
		VH	TN	-1.6	-0.000851	± 2.5	PASS
	HCH	VL	TN	1.71	0.000898	± 2.5	PASS
		VN	TN	1.24	0.000651	± 2.5	PASS
		VH	TN	-0.44	-0.000231	± 2.5	PASS
16QAM	LCH	VL	TN	3.3	0.001779	± 2.5	PASS
		VN	TN	-1.27	-0.000685	± 2.5	PASS
		VH	TN	4.31	0.002323	± 2.5	PASS
	MCH	VL	TN	4.3	0.002287	± 2.5	PASS
		VN	TN	-1.57	-0.000835	± 2.5	PASS
		VH	TN	0.66	0.000351	± 2.5	PASS
	HCH	VL	TN	2.5	0.001312	± 2.5	PASS
		VN	TN	2.13	0.001118	± 2.5	PASS
		VH	TN	0.2	0.000105	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.16	0.001164	± 2.5	PASS
		VN	-20	-1.71	-0.000922	± 2.5	PASS
		VN	-10	-0.39	-0.000210	± 2.5	PASS
		VN	0	3.36	0.001811	± 2.5	PASS
		VN	10	-1.11	-0.000598	± 2.5	PASS
		VN	20	3.56	0.001919	± 2.5	PASS
		VN	30	0.15	0.000081	± 2.5	PASS
		VN	40	-0.75	-0.000404	± 2.5	PASS
		VN	50	-1.44	-0.000776	± 2.5	PASS
	MCH	VN	-30	1.27	0.000676	± 2.5	PASS
		VN	-20	-1.11	-0.000590	± 2.5	PASS
		VN	-10	2.25	0.001197	± 2.5	PASS
		VN	0	4.19	0.002229	± 2.5	PASS

		VN	10	1.62	0.000862	± 2.5	PASS
		VN	20	3.53	0.001878	± 2.5	PASS
		VN	30	-0.58	-0.000309	± 2.5	PASS
		VN	40	-1.34	-0.000713	± 2.5	PASS
		VN	50	-0.82	-0.000436	± 2.5	PASS
	HCH	VN	-30	3.84	0.002016	± 2.5	PASS
		VN	-20	1.36	0.000714	± 2.5	PASS
		VN	-10	4.06	0.002131	± 2.5	PASS
		VN	0	4.14	0.002173	± 2.5	PASS
		VN	10	0.99	0.000520	± 2.5	PASS
		VN	20	0.11	0.000058	± 2.5	PASS
		VN	30	-1.78	-0.000934	± 2.5	PASS
		VN	40	-0.28	-0.000147	± 2.5	PASS
		VN	50	2.22	0.001165	± 2.5	PASS
		QPSK	LCH	VN	-30	1.41	0.000760
VN	-20			0.49	0.000264	± 2.5	PASS
VN	-10			2.91	0.001569	± 2.5	PASS
VN	0			4.46	0.002404	± 2.5	PASS
VN	10			-0.06	-0.000032	± 2.5	PASS
VN	20			-1.64	-0.000884	± 2.5	PASS
VN	30			2.49	0.001342	± 2.5	PASS
VN	40			3.08	0.001660	± 2.5	PASS
VN	50			-1.64	-0.000884	± 2.5	PASS
MCH	VN		-30	2.17	0.001154	± 2.5	PASS
	VN		-20	0.93	0.000495	± 2.5	PASS
	VN		-10	0.37	0.000197	± 2.5	PASS
	VN		0	3.4	0.001809	± 2.5	PASS
	VN		10	0.54	0.000287	± 2.5	PASS
	VN		20	-0.93	-0.000495	± 2.5	PASS
	VN		30	0.46	0.000245	± 2.5	PASS
	VN		40	1.04	0.000553	± 2.5	PASS
	VN		50	2.69	0.001431	± 2.5	PASS
HCH	VN		-30	0.32	0.000168	± 2.5	PASS
	VN		-20	2.03	0.001066	± 2.5	PASS
	VN		-10	2.96	0.001554	± 2.5	PASS
	VN		0	2.39	0.001255	± 2.5	PASS
	VN		10	3.47	0.001822	± 2.5	PASS
	VN		20	3.72	0.001953	± 2.5	PASS
	VN		30	2.94	0.001543	± 2.5	PASS
	VN		40	-0.95	-0.000499	± 2.5	PASS
	VN		50	-1.82	-0.000955	± 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	4.09	0.002202	± 2.5	PASS
		VN	TN	2.56	0.001378	± 2.5	PASS
		VH	TN	2.56	0.001378	± 2.5	PASS
	MCH	VL	TN	2.83	0.001505	± 2.5	PASS
		VN	TN	3.31	0.001761	± 2.5	PASS
		VH	TN	0.37	0.000197	± 2.5	PASS
	HCH	VL	TN	4.02	0.002113	± 2.5	PASS
		VN	TN	2.93	0.001540	± 2.5	PASS
		VH	TN	0.86	0.000452	± 2.5	PASS
16QAM	LCH	VL	TN	1.09	0.000587	± 2.5	PASS
		VN	TN	4.96	0.002670	± 2.5	PASS
		VH	TN	-0.87	-0.000468	± 2.5	PASS
	MCH	VL	TN	1.26	0.000670	± 2.5	PASS
		VN	TN	3.76	0.002000	± 2.5	PASS
		VH	TN	0.37	0.000197	± 2.5	PASS
	HCH	VL	TN	0.79	0.000415	± 2.5	PASS
		VN	TN	4.8	0.002523	± 2.5	PASS
		VH	TN	-1.23	-0.000647	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.47	-0.000791	± 2.5	PASS
		VN	-20	1.54	0.000829	± 2.5	PASS
		VN	-10	3.62	0.001949	± 2.5	PASS
		VN	0	2.95	0.001588	± 2.5	PASS
		VN	10	4.01	0.002159	± 2.5	PASS
		VN	20	0.52	0.000280	± 2.5	PASS
		VN	30	-0.12	-0.000065	± 2.5	PASS
		VN	40	0.19	0.000102	± 2.5	PASS
		VN	50	2.14	0.001152	± 2.5	PASS
	MCH	VN	-30	4.56	0.002426	± 2.5	PASS
		VN	-20	3.11	0.001654	± 2.5	PASS
		VN	-10	2.92	0.001553	± 2.5	PASS
		VN	0	0.33	0.000176	± 2.5	PASS
		VN	10	-0.58	-0.000309	± 2.5	PASS

		VN	20	0.55	0.000293	± 2.5	PASS
		VN	30	1.62	0.000862	± 2.5	PASS
		VN	40	4.03	0.002144	± 2.5	PASS
		VN	50	0.62	0.000330	± 2.5	PASS
	HCH	VN	-30	4.75	0.002497	± 2.5	PASS
		VN	-20	2.72	0.001430	± 2.5	PASS
		VN	-10	1.32	0.000694	± 2.5	PASS
		VN	0	0.86	0.000452	± 2.5	PASS
		VN	10	1.34	0.000704	± 2.5	PASS
		VN	20	-0.56	-0.000294	± 2.5	PASS
		VN	30	0.25	0.000131	± 2.5	PASS
		VN	40	-0.65	-0.000342	± 2.5	PASS
		VN	50	3.05	0.001603	± 2.5	PASS
		QPSK	LCH	VN	-30	4.65	0.002503
VN	-20			0.54	0.000291	± 2.5	PASS
VN	-10			4.96	0.002670	± 2.5	PASS
VN	0			0.79	0.000425	± 2.5	PASS
VN	10			-1.53	-0.000824	± 2.5	PASS
VN	20			1.78	0.000958	± 2.5	PASS
VN	30			1.61	0.000867	± 2.5	PASS
VN	40			1.84	0.000991	± 2.5	PASS
VN	50			-1.65	-0.000888	± 2.5	PASS
MCH	VN		-30	3.26	0.001734	± 2.5	PASS
	VN		-20	0.04	0.000021	± 2.5	PASS
	VN		-10	2.64	0.001404	± 2.5	PASS
	VN		0	4.19	0.002229	± 2.5	PASS
	VN		10	-0.03	-0.000016	± 2.5	PASS
	VN		20	2.29	0.001218	± 2.5	PASS
	VN		30	-1.8	-0.000957	± 2.5	PASS
	VN		40	-0.13	-0.000069	± 2.5	PASS
	VN		50	4.84	0.002574	± 2.5	PASS
HCH	VN		-30	4.07	0.002139	± 2.5	PASS
	VN		-20	4.12	0.002166	± 2.5	PASS
	VN		-10	1.23	0.000647	± 2.5	PASS
	VN		0	-0.56	-0.000294	± 2.5	PASS
	VN		10	1.03	0.000541	± 2.5	PASS
	VN		20	3.87	0.002034	± 2.5	PASS
	VN		30	-1.74	-0.000915	± 2.5	PASS
	VN		40	3.76	0.001976	± 2.5	PASS
	VN		50	1.35	0.000710	± 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	1.66	0.000892	± 2.5	PASS
		VN	TN	-0.39	-0.000210	± 2.5	PASS
		VH	TN	2.71	0.001457	± 2.5	PASS
	MCH	VL	TN	-0.45	-0.000239	± 2.5	PASS
		VN	TN	4.14	0.002202	± 2.5	PASS
		VH	TN	1.35	0.000718	± 2.5	PASS
	HCH	VL	TN	3.48	0.001832	± 2.5	PASS
		VN	TN	2.81	0.001479	± 2.5	PASS
		VH	TN	2.34	0.001232	± 2.5	PASS
16QAM	LCH	VL	TN	3.6	0.001935	± 2.5	PASS
		VN	TN	2.67	0.001435	± 2.5	PASS
		VH	TN	-1.9	-0.001022	± 2.5	PASS
	MCH	VL	TN	1.65	0.000878	± 2.5	PASS
		VN	TN	3.53	0.001878	± 2.5	PASS
		VH	TN	1.18	0.000628	± 2.5	PASS
	HCH	VL	TN	2.07	0.001089	± 2.5	PASS
		VN	TN	2.88	0.001516	± 2.5	PASS
		VH	TN	-1.8	-0.000947	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.98	-0.000527	± 2.5	PASS
		VN	-20	0.37	0.000199	± 2.5	PASS
		VN	-10	-0.16	-0.000086	± 2.5	PASS
		VN	0	-0.61	-0.000328	± 2.5	PASS
		VN	10	4.65	0.002500	± 2.5	PASS
		VN	20	0.79	0.000425	± 2.5	PASS
		VN	30	-0.74	-0.000398	± 2.5	PASS
		VN	40	3.85	0.002070	± 2.5	PASS
		VN	50	-0.35	-0.000188	± 2.5	PASS
	MCH	VN	-30	0.76	0.000404	± 2.5	PASS
		VN	-20	2.05	0.001090	± 2.5	PASS
		VN	-10	-0.64	-0.000340	± 2.5	PASS
		VN	0	4.61	0.002452	± 2.5	PASS
		VN	10	0.86	0.000457	± 2.5	PASS
		VN	20	-0.67	-0.000356	± 2.5	PASS

		VN	30	1.73	0.000920	± 2.5	PASS
		VN	40	1.04	0.000553	± 2.5	PASS
		VN	50	4.55	0.002420	± 2.5	PASS
	HCH	VN	-30	4.13	0.002174	± 2.5	PASS
		VN	-20	-0.76	-0.000400	± 2.5	PASS
		VN	-10	-0.48	-0.000253	± 2.5	PASS
		VN	0	0.42	0.000221	± 2.5	PASS
		VN	10	0.77	0.000405	± 2.5	PASS
		VN	20	3.67	0.001932	± 2.5	PASS
		VN	30	1.56	0.000821	± 2.5	PASS
		VN	40	3.67	0.001932	± 2.5	PASS
		VN	50	0.8	0.000421	± 2.5	PASS
		QPSK	LCH	VN	-30	3.3	0.001774
VN	-20			1.26	0.000677	± 2.5	PASS
VN	-10			-0.14	-0.000075	± 2.5	PASS
VN	0			0.16	0.000086	± 2.5	PASS
VN	10			4.84	0.002602	± 2.5	PASS
VN	20			0.17	0.000091	± 2.5	PASS
VN	30			0.5	0.000269	± 2.5	PASS
VN	40			-0.77	-0.000414	± 2.5	PASS
VN	50			-0.97	-0.000522	± 2.5	PASS
MCH	VN		-30	0.87	0.000463	± 2.5	PASS
	VN		-20	3.57	0.001899	± 2.5	PASS
	VN		-10	0.03	0.000016	± 2.5	PASS
	VN		0	1.95	0.001037	± 2.5	PASS
	VN		10	-0.98	-0.000521	± 2.5	PASS
	VN		20	4.56	0.002426	± 2.5	PASS
	VN		30	0.37	0.000197	± 2.5	PASS
	VN		40	1.05	0.000559	± 2.5	PASS
	VN		50	-1.09	-0.000580	± 2.5	PASS
HCH	VN		-30	4.62	0.002432	± 2.5	PASS
	VN		-20	-1.34	-0.000705	± 2.5	PASS
	VN		-10	2.45	0.001289	± 2.5	PASS
	VN		0	4.85	0.002553	± 2.5	PASS
	VN		10	2.52	0.001326	± 2.5	PASS
	VN		20	2.9	0.001526	± 2.5	PASS
	VN		30	0.54	0.000284	± 2.5	PASS
	VN		40	-1.73	-0.000911	± 2.5	PASS
	VN		50	4.39	0.002311	± 2.5	PASS