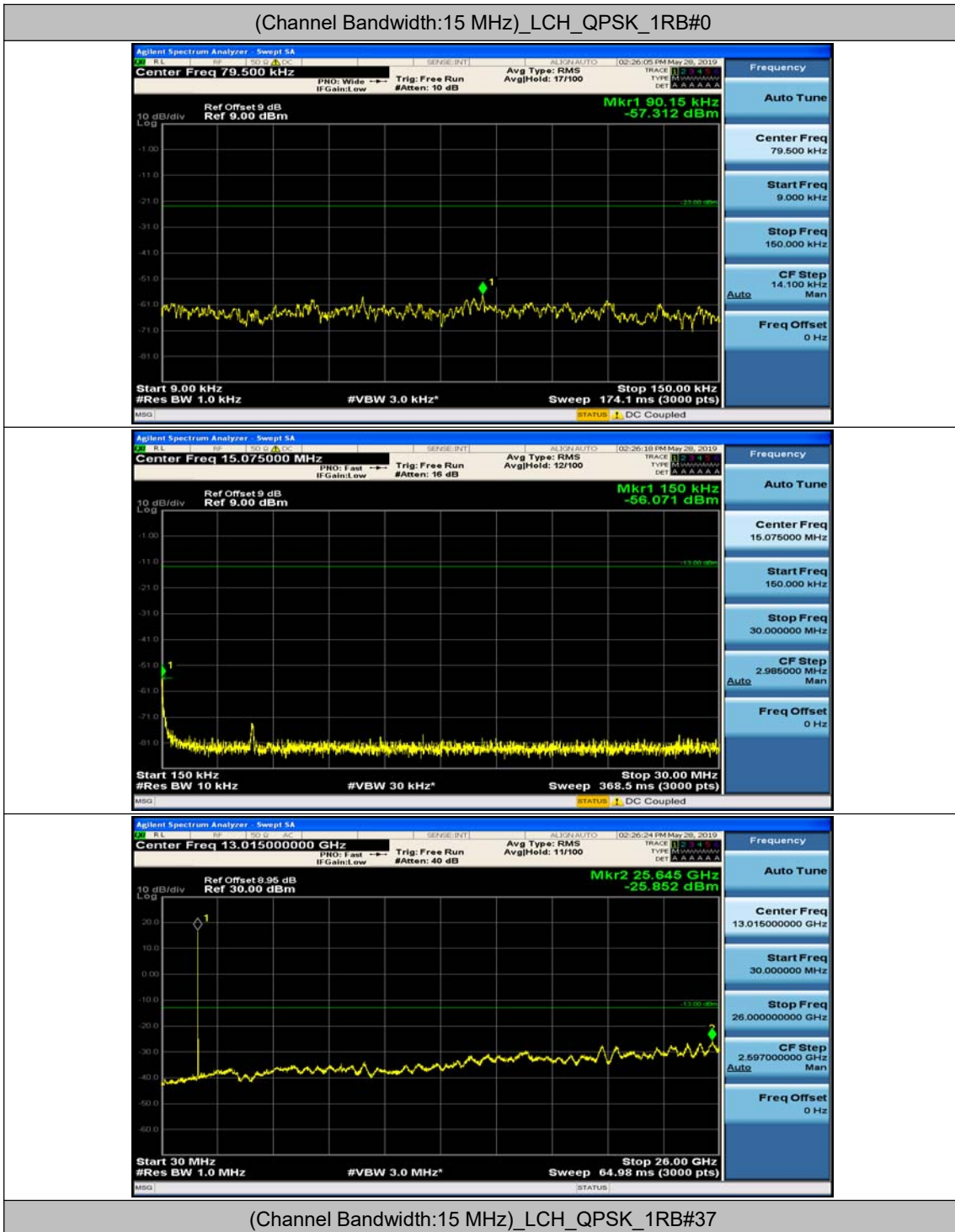
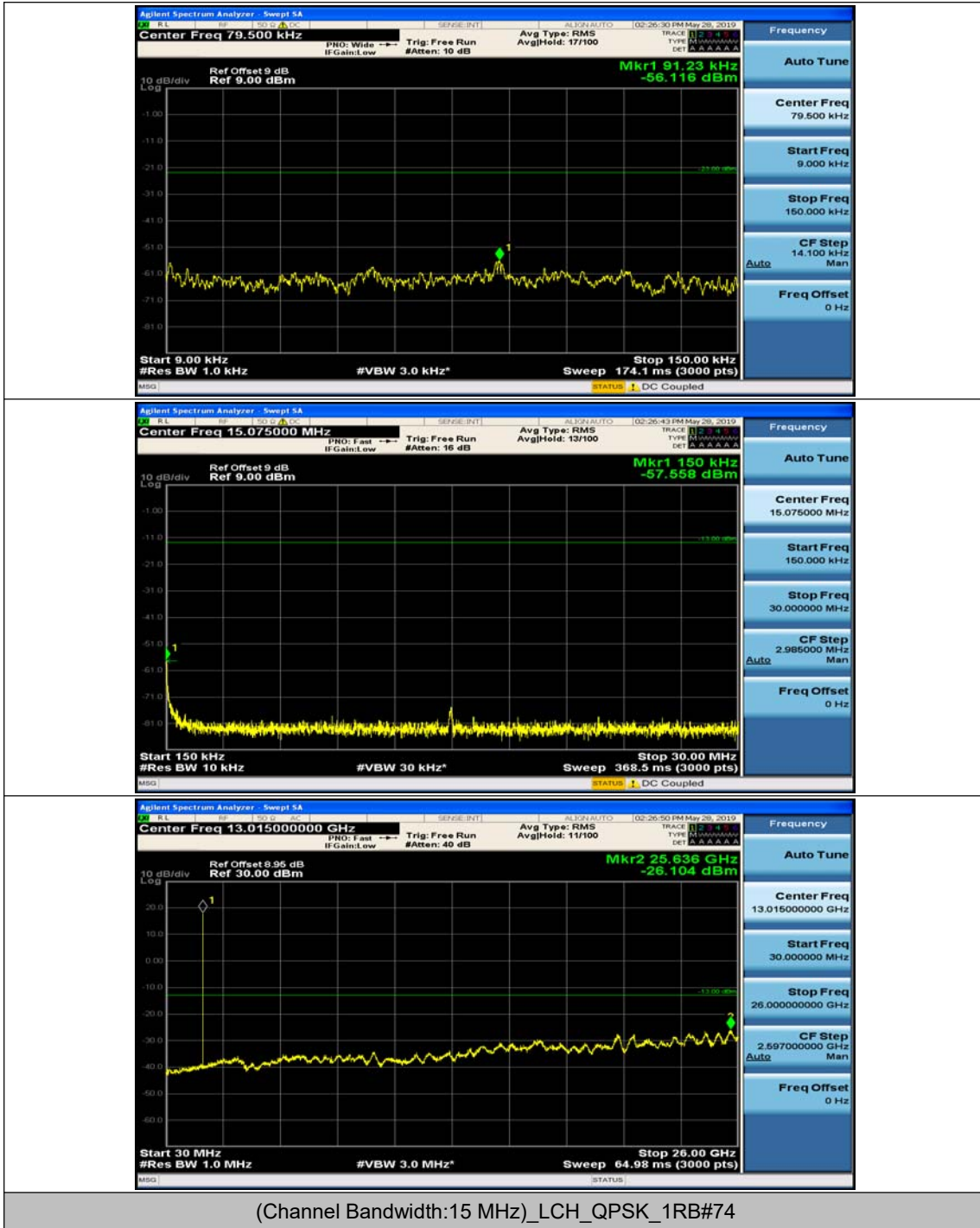
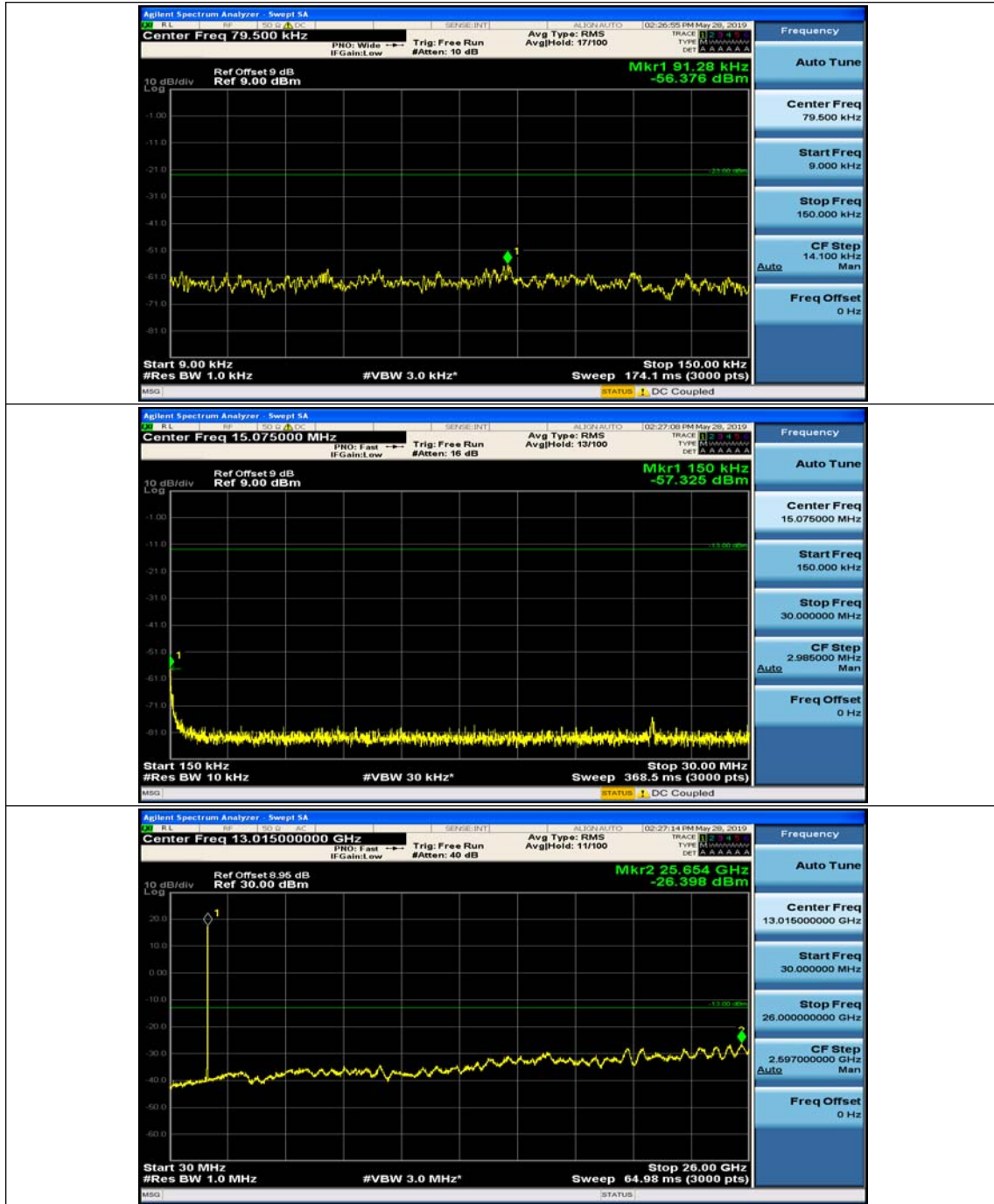


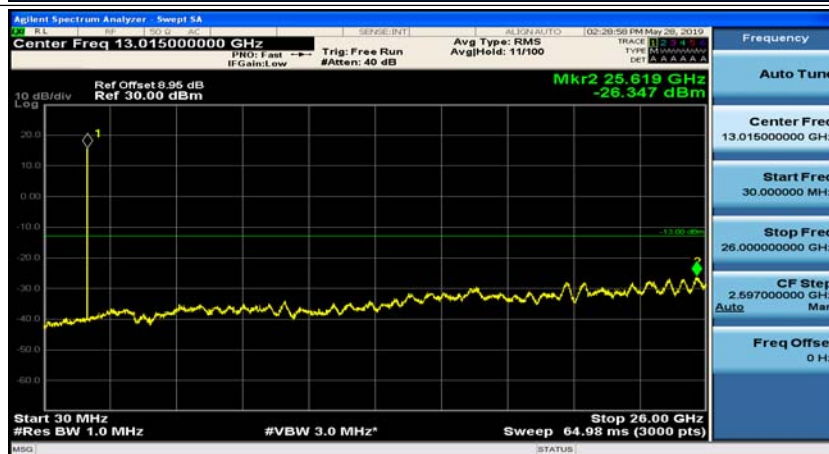
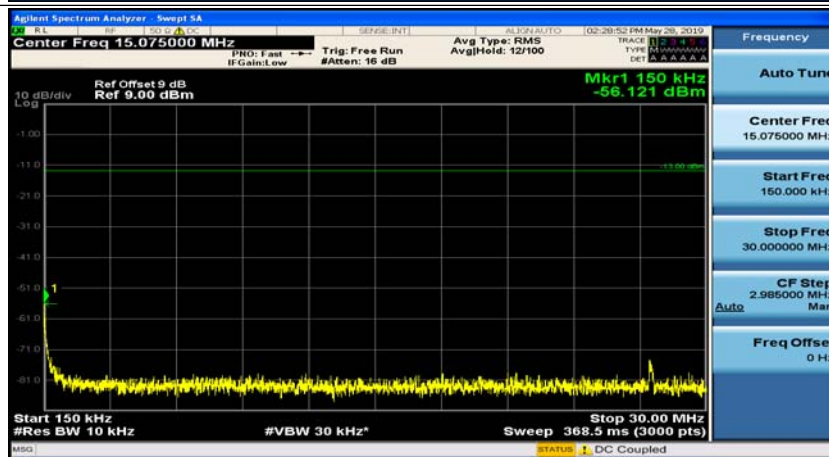
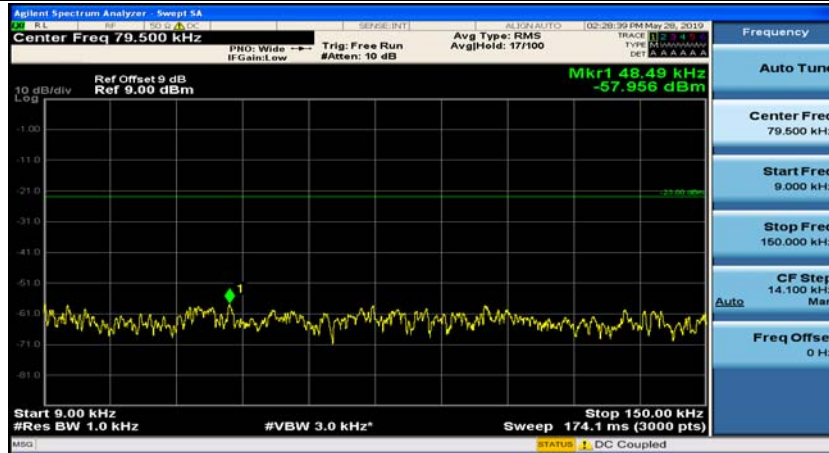
Channel Bandwidth: 15 MHz



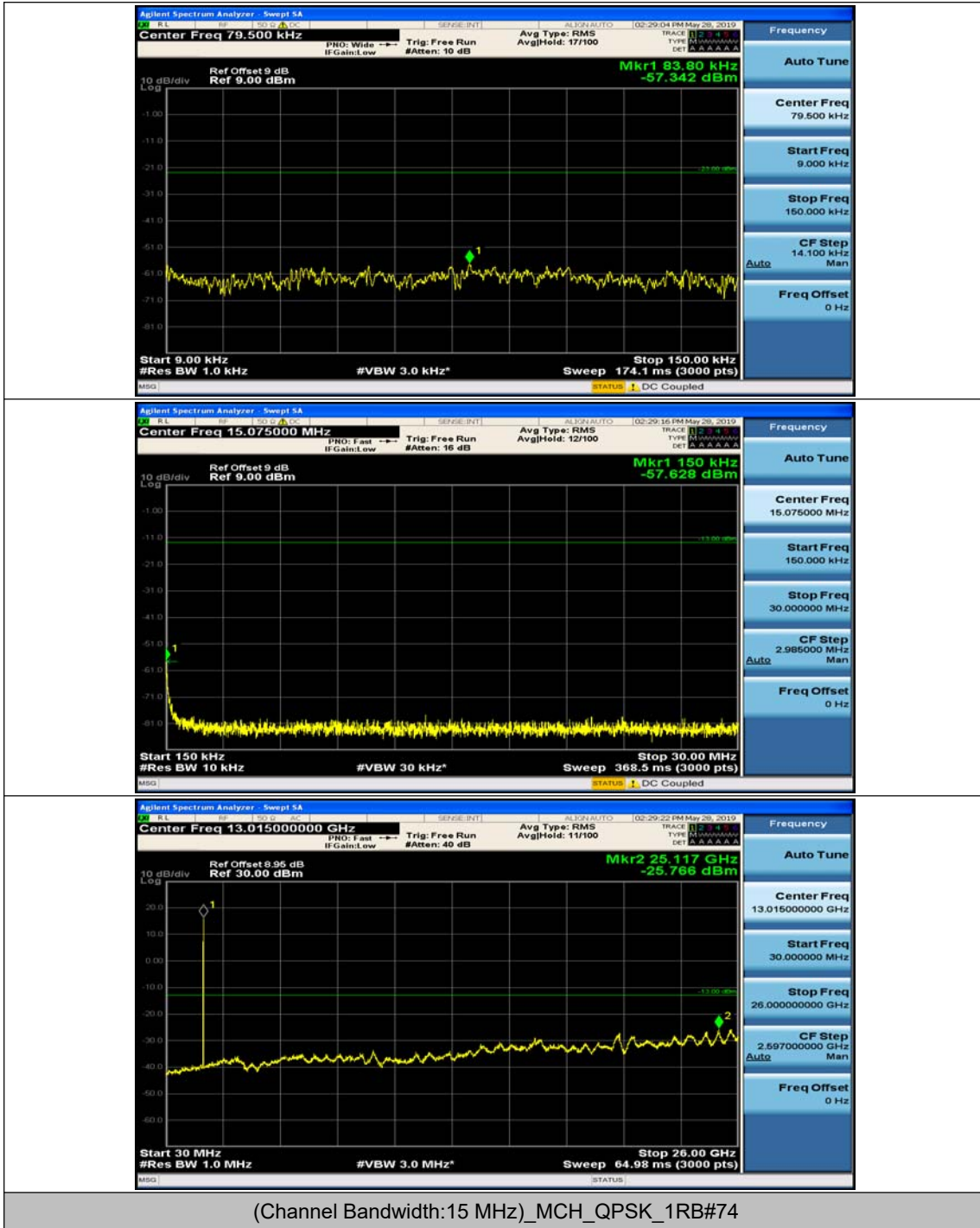


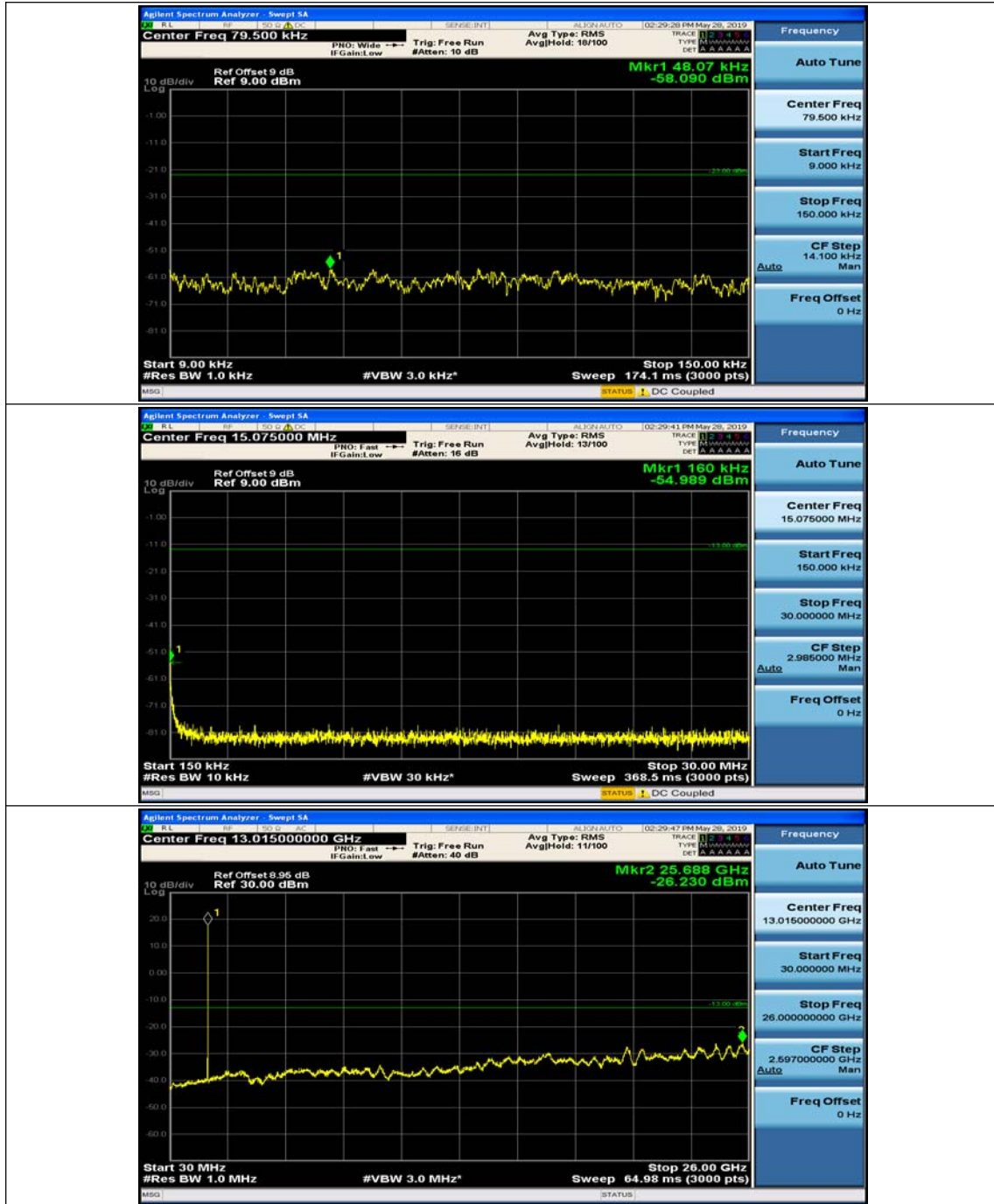


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

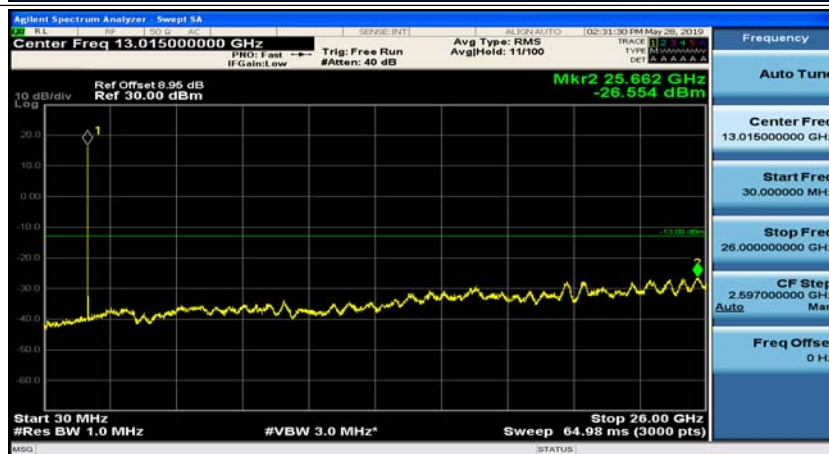
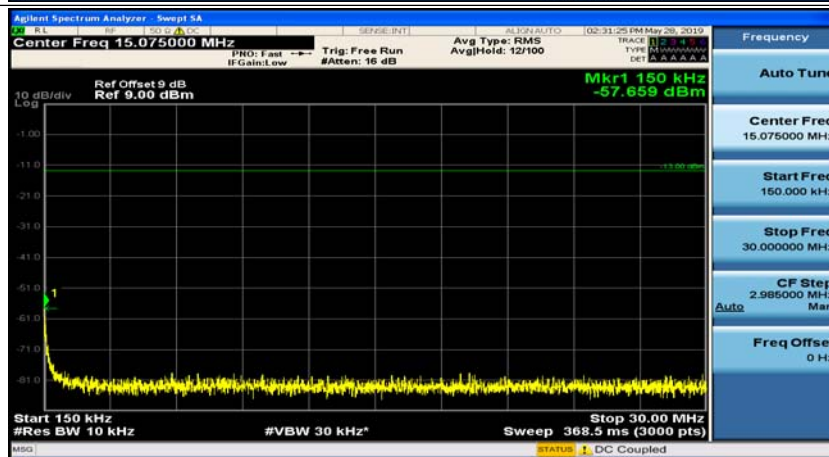
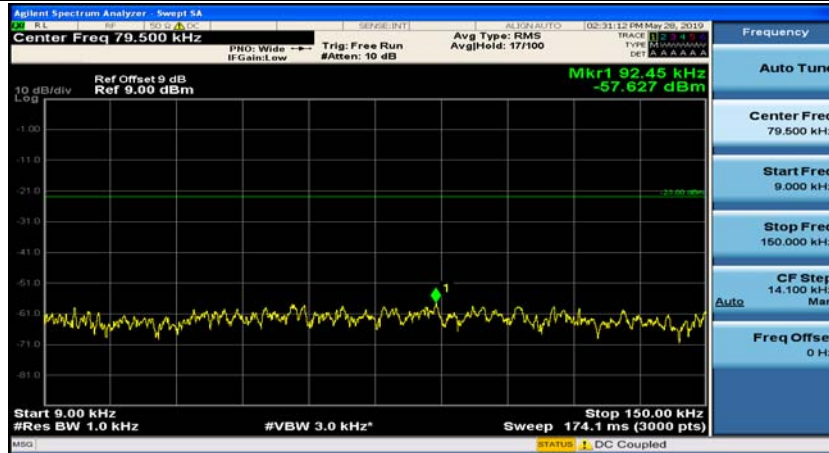


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

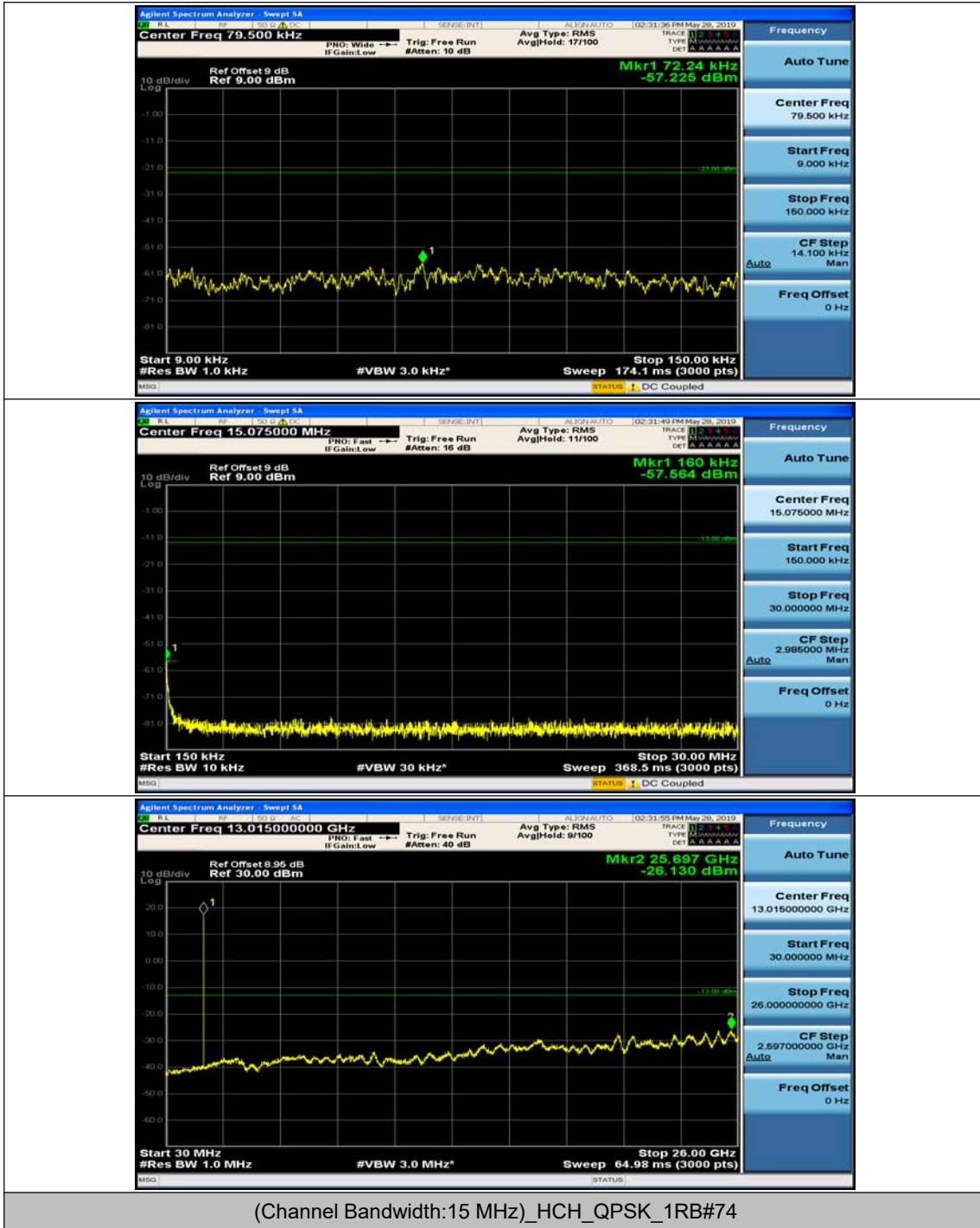


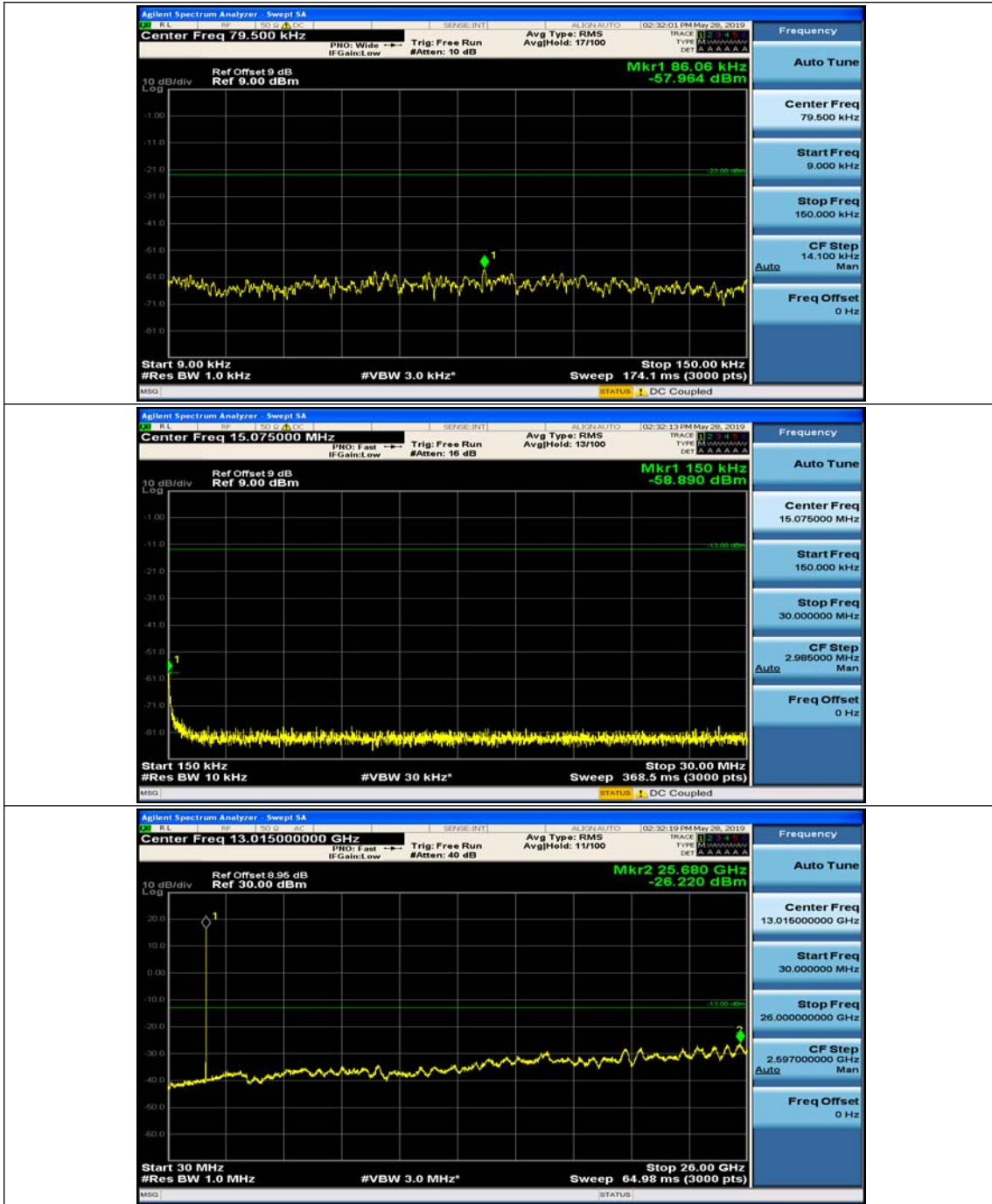


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

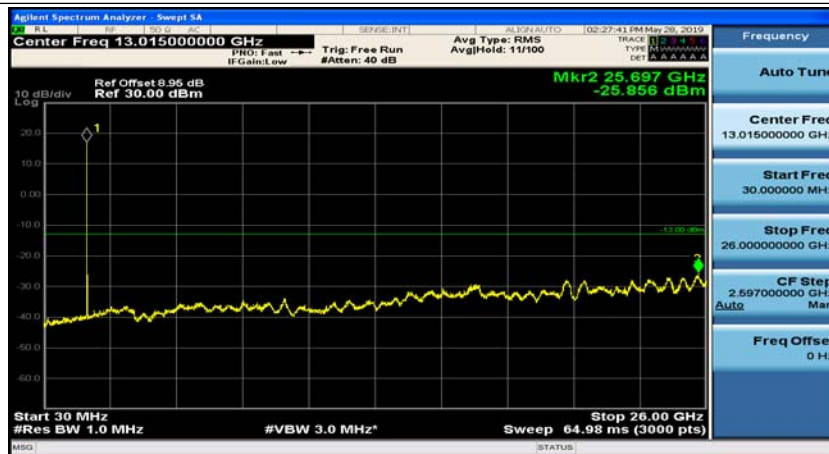
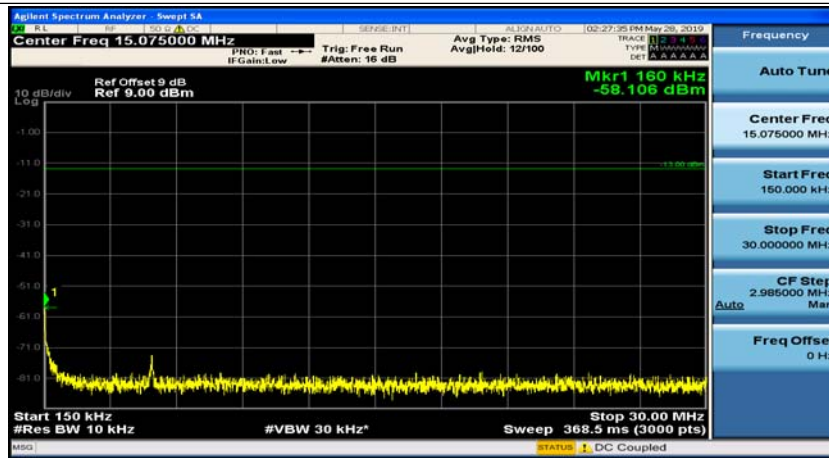
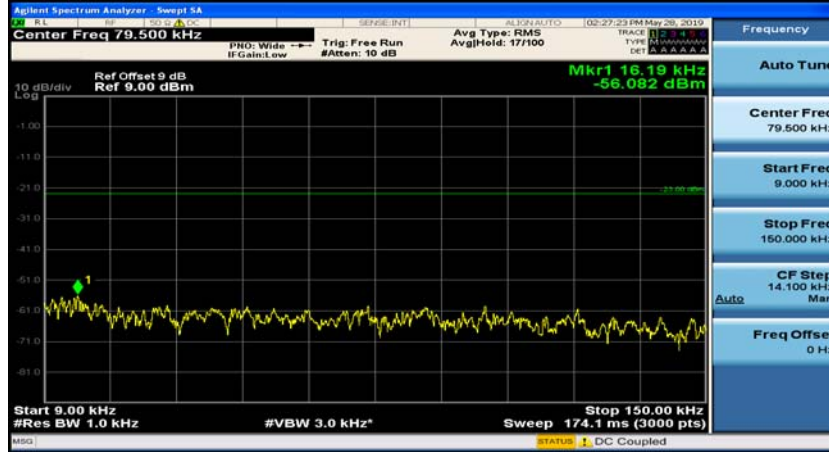


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

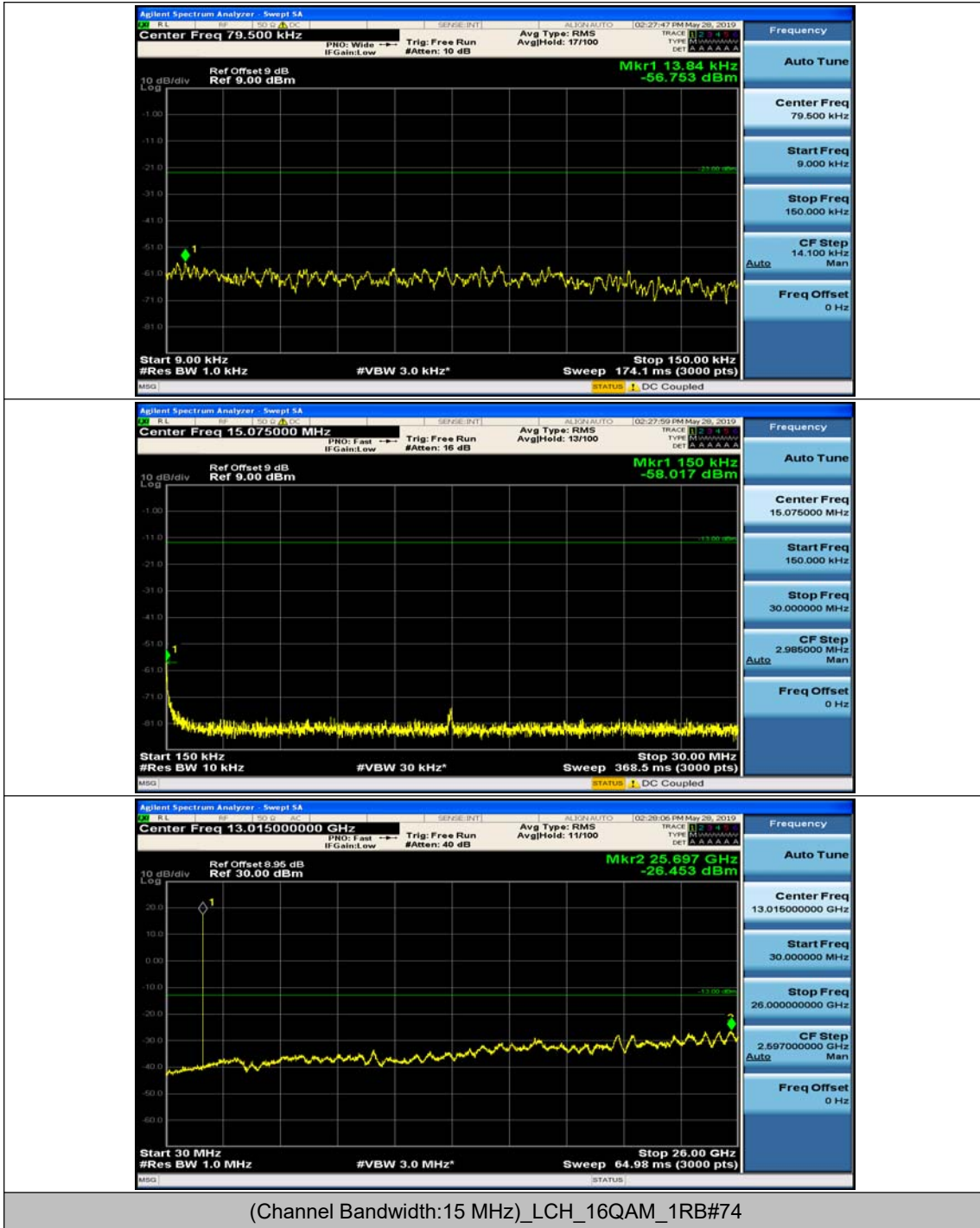


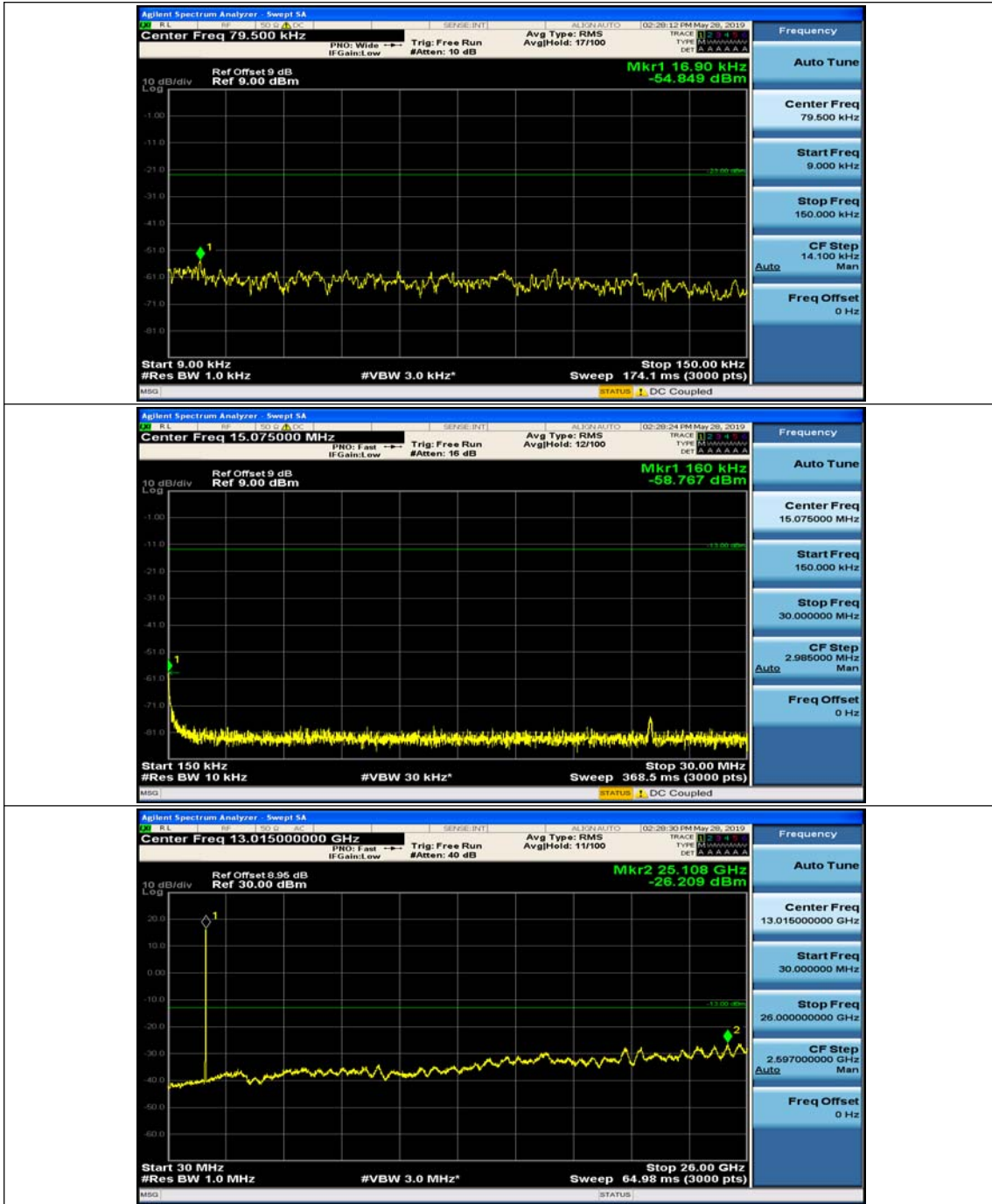


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

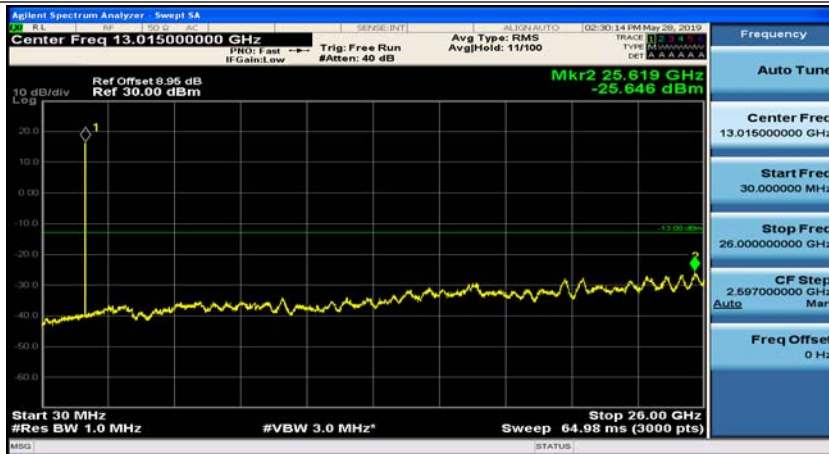
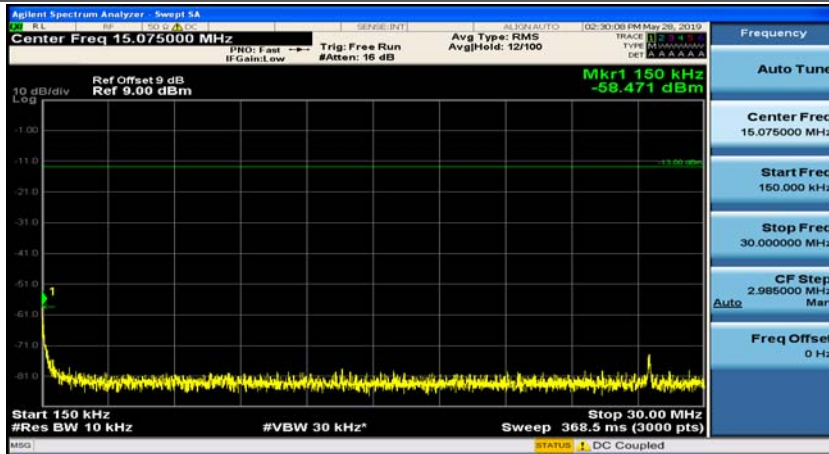
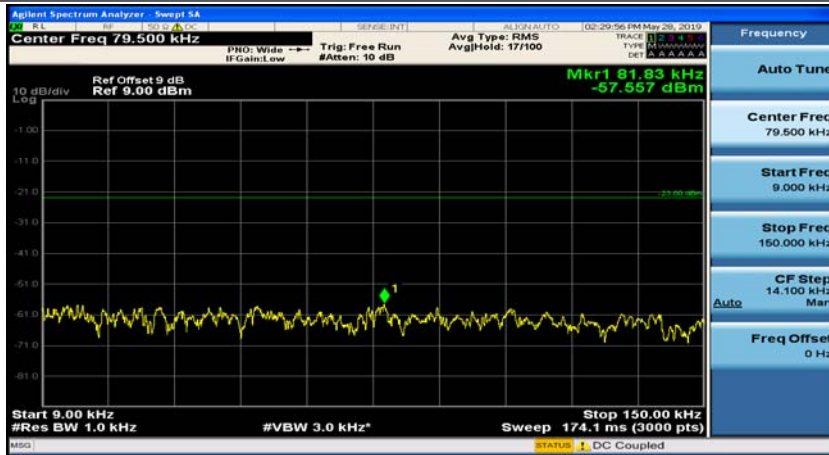


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

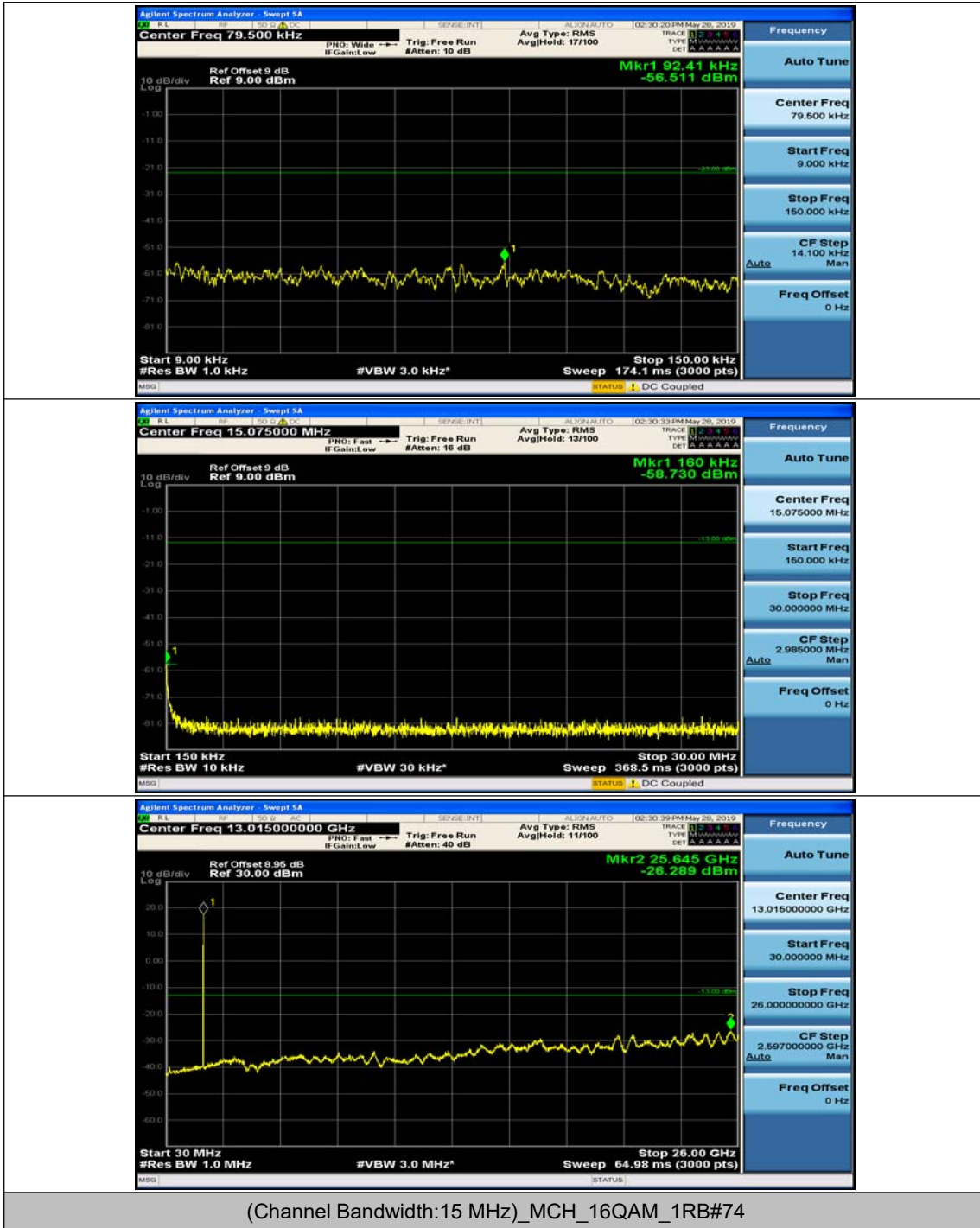


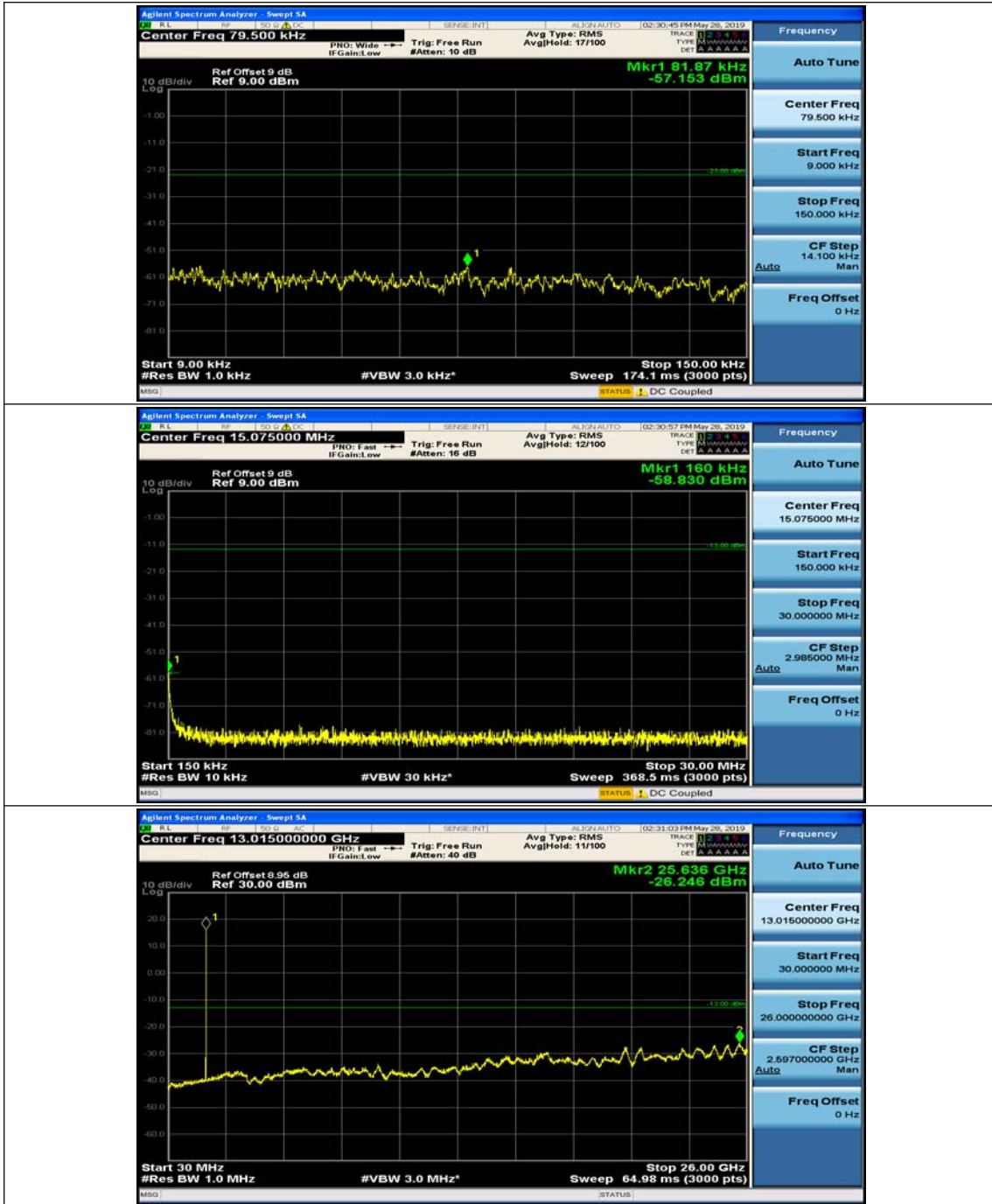


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

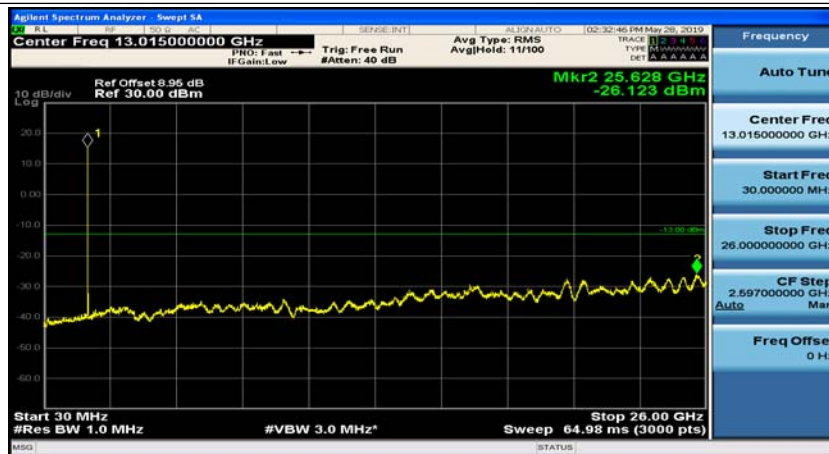
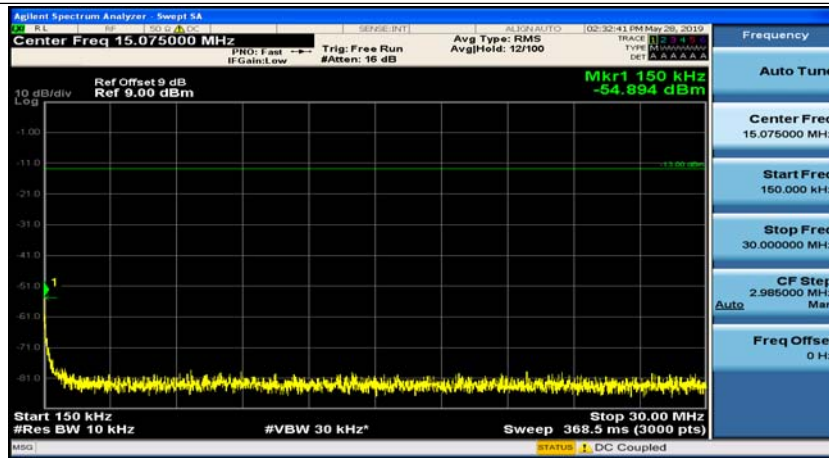
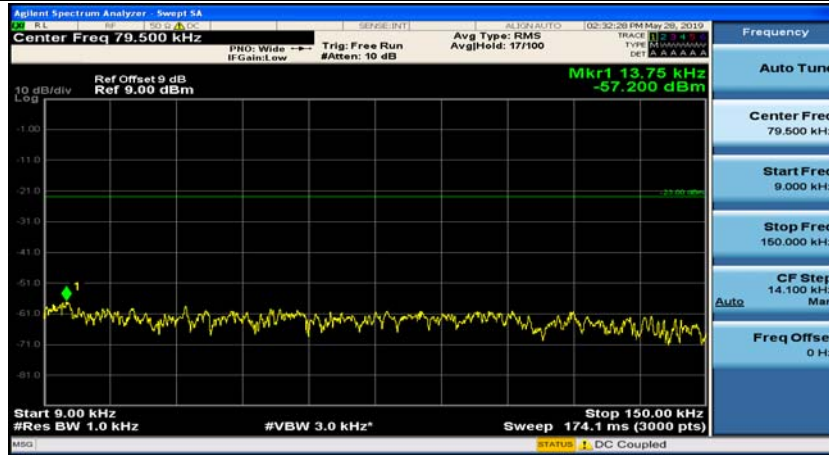


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

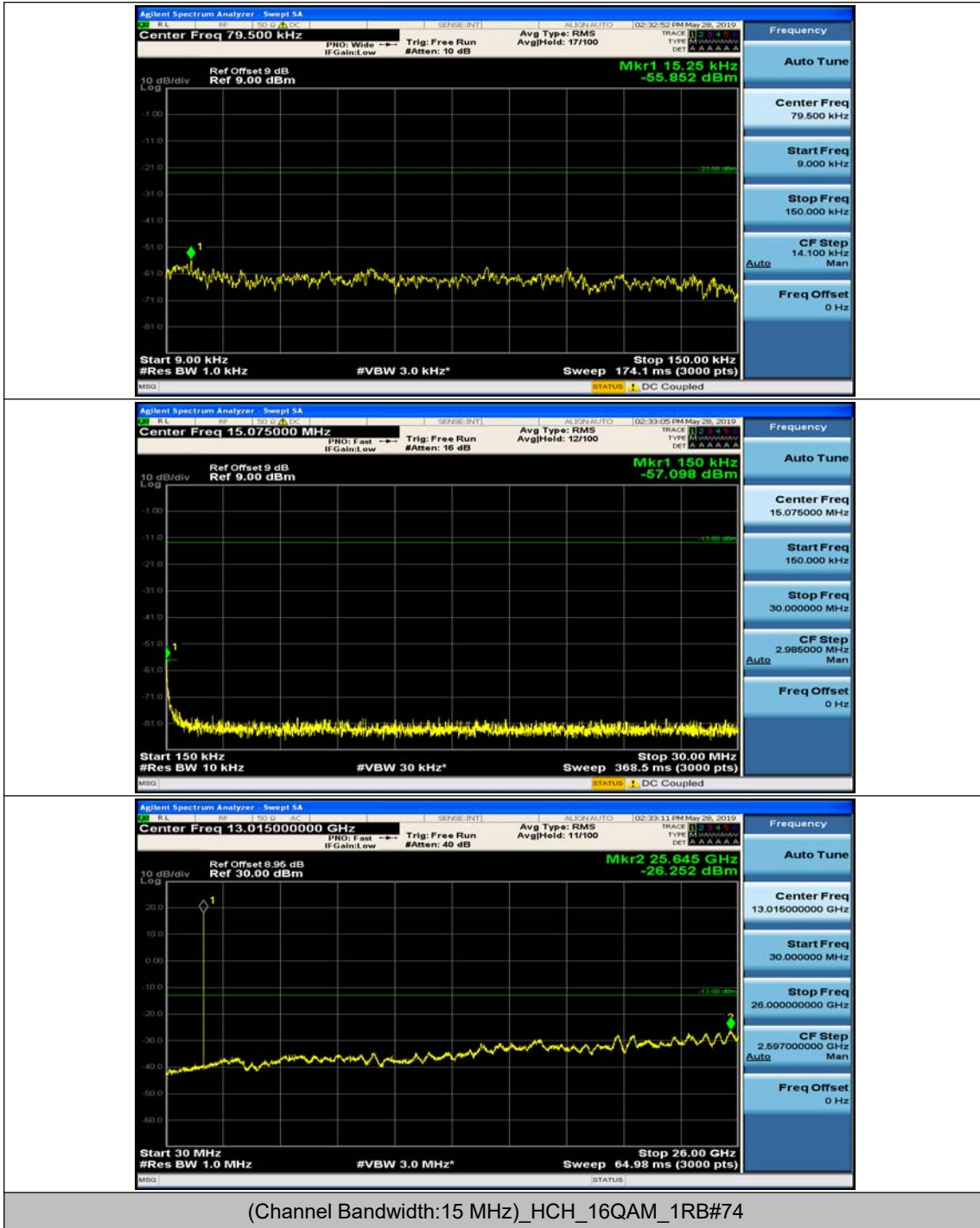


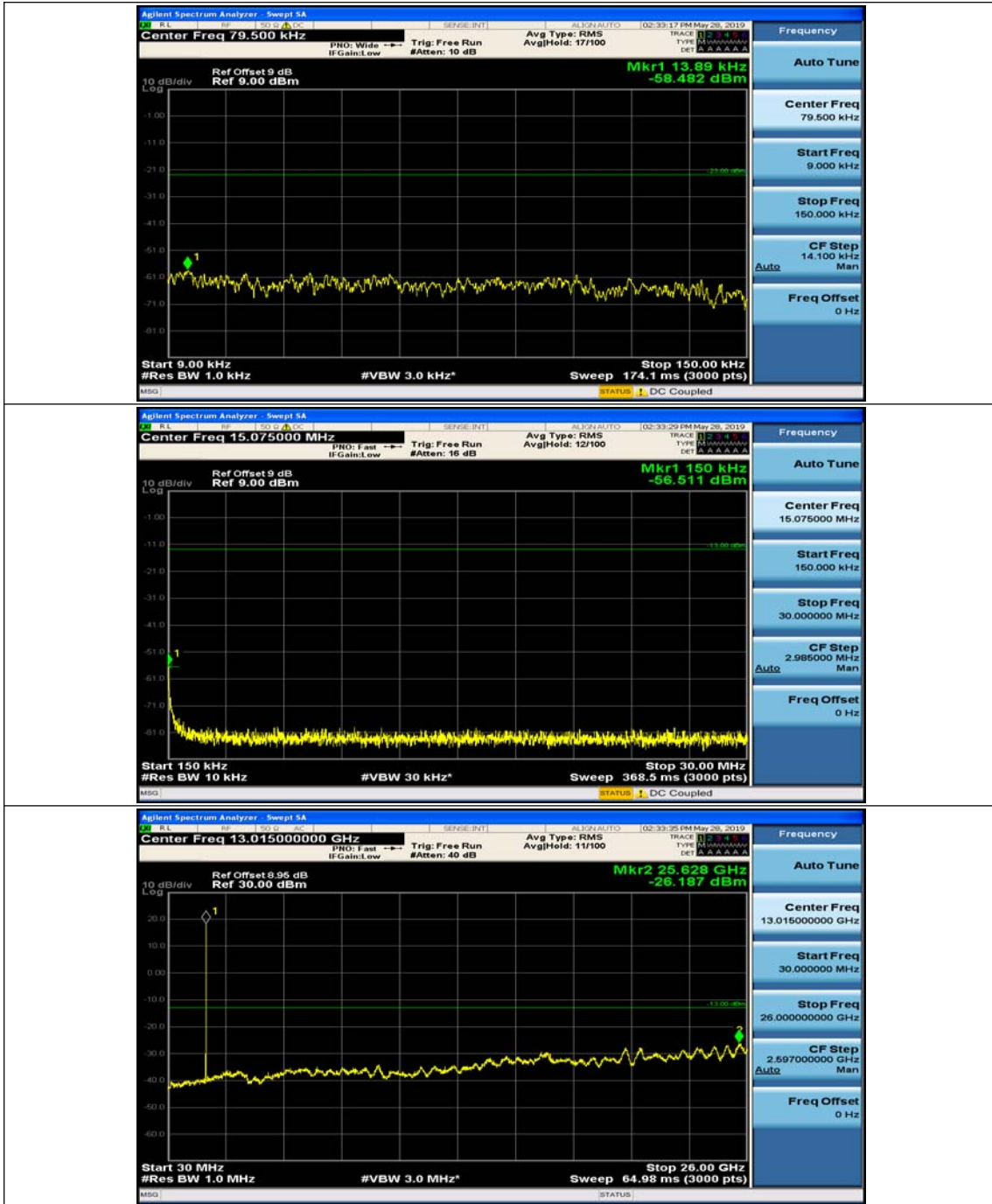


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

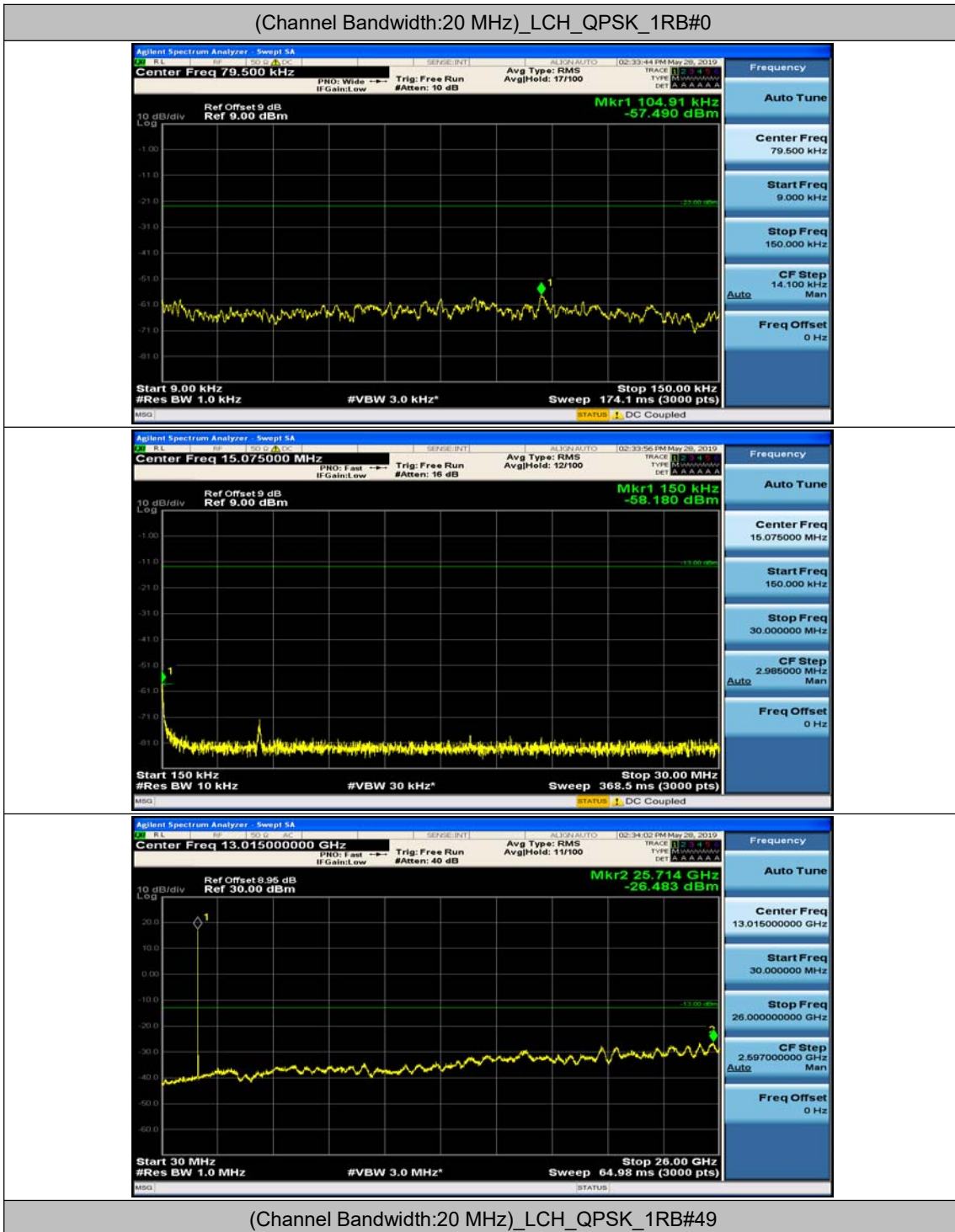


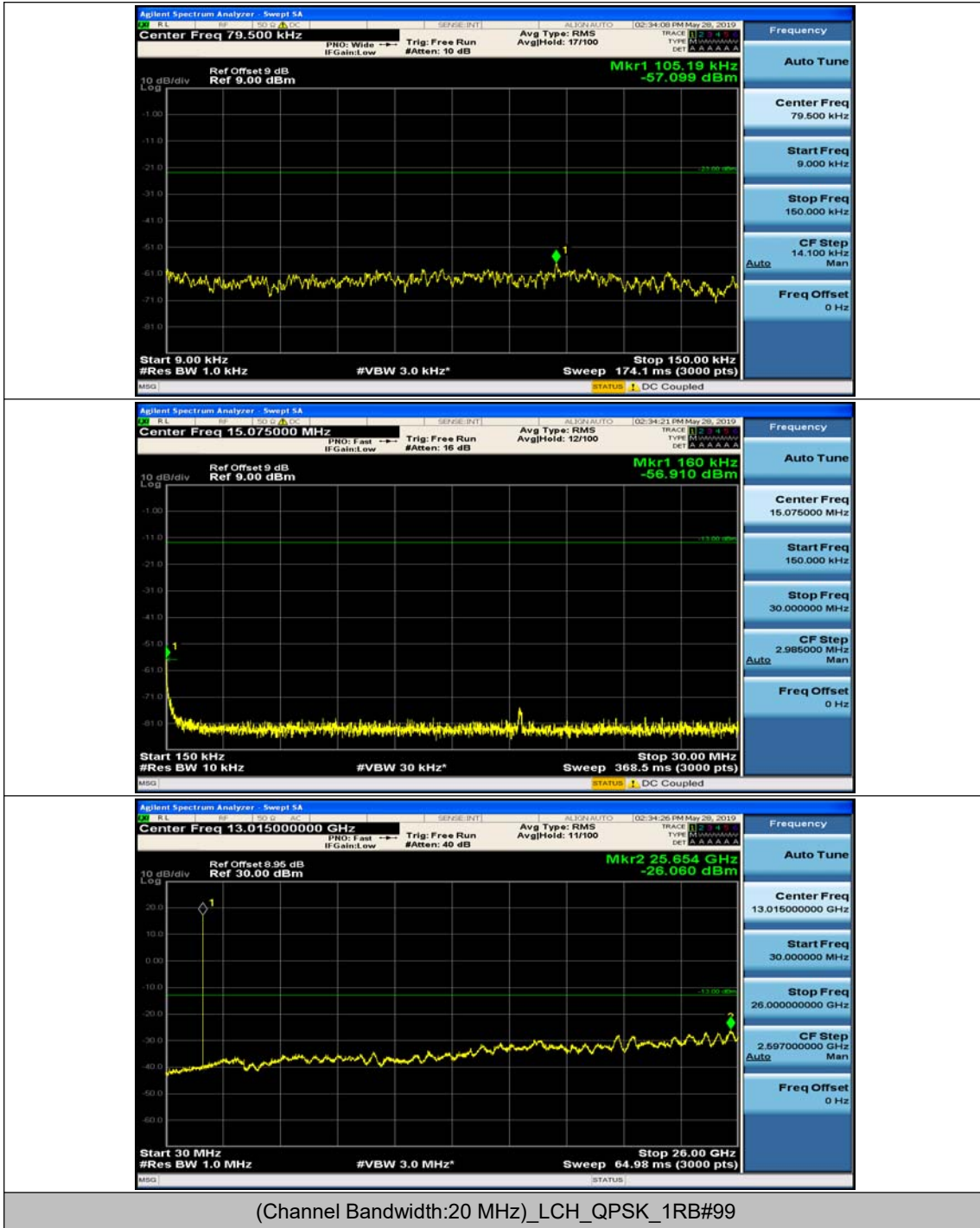
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

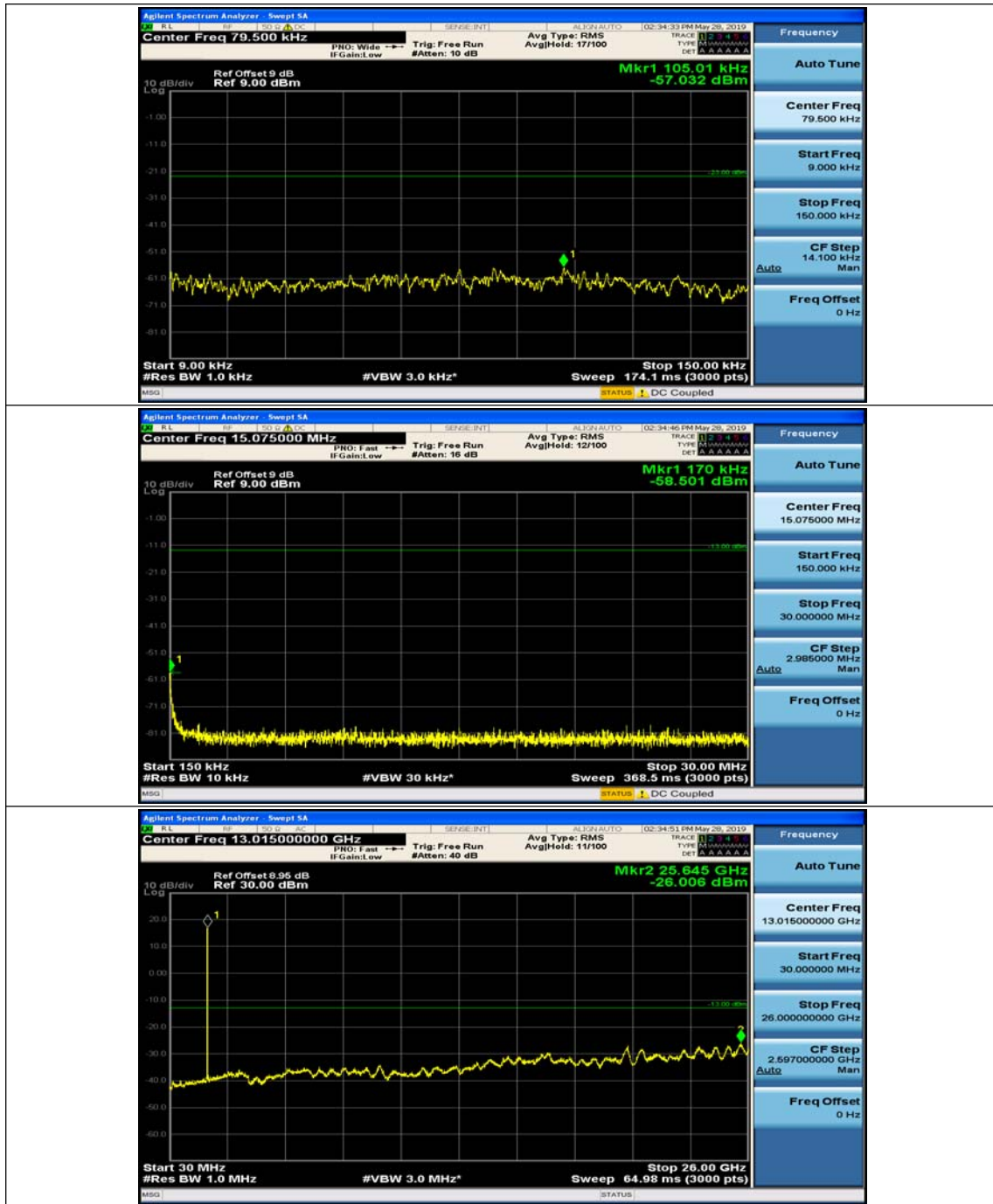




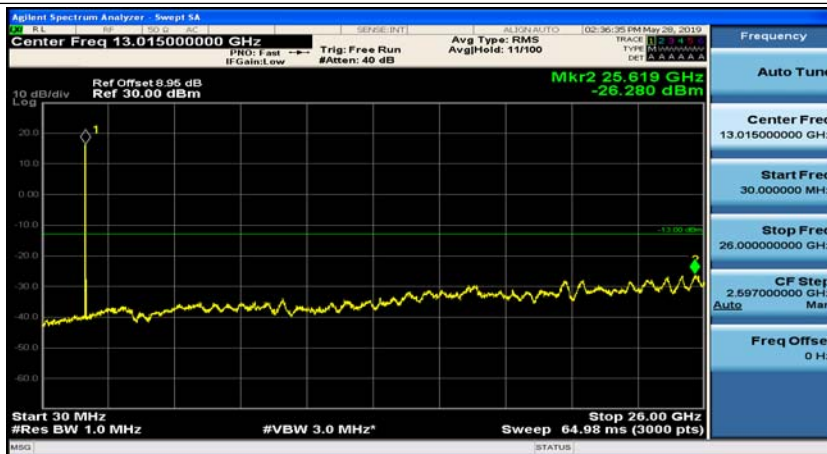
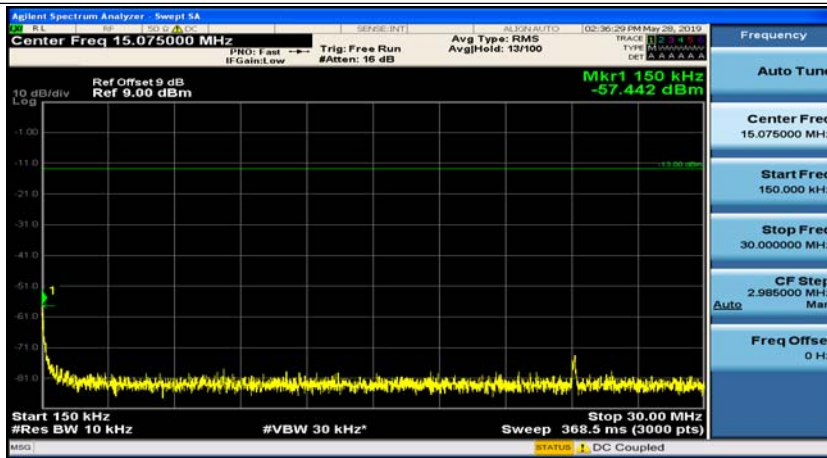
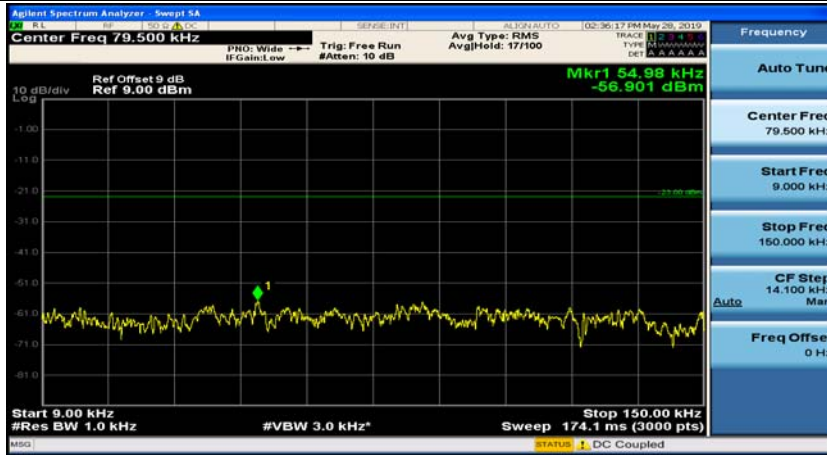
Channel Bandwidth: 20 MHz



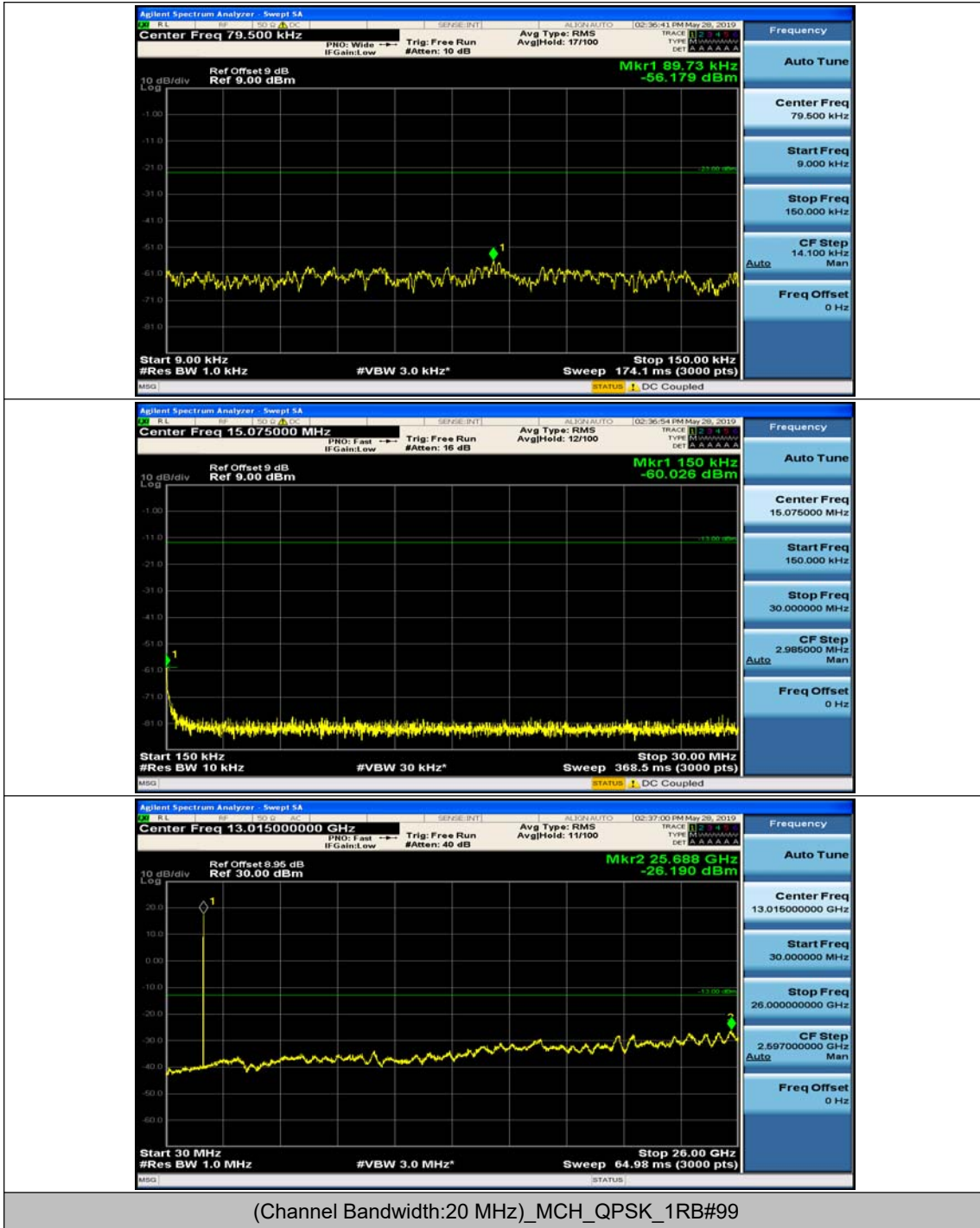


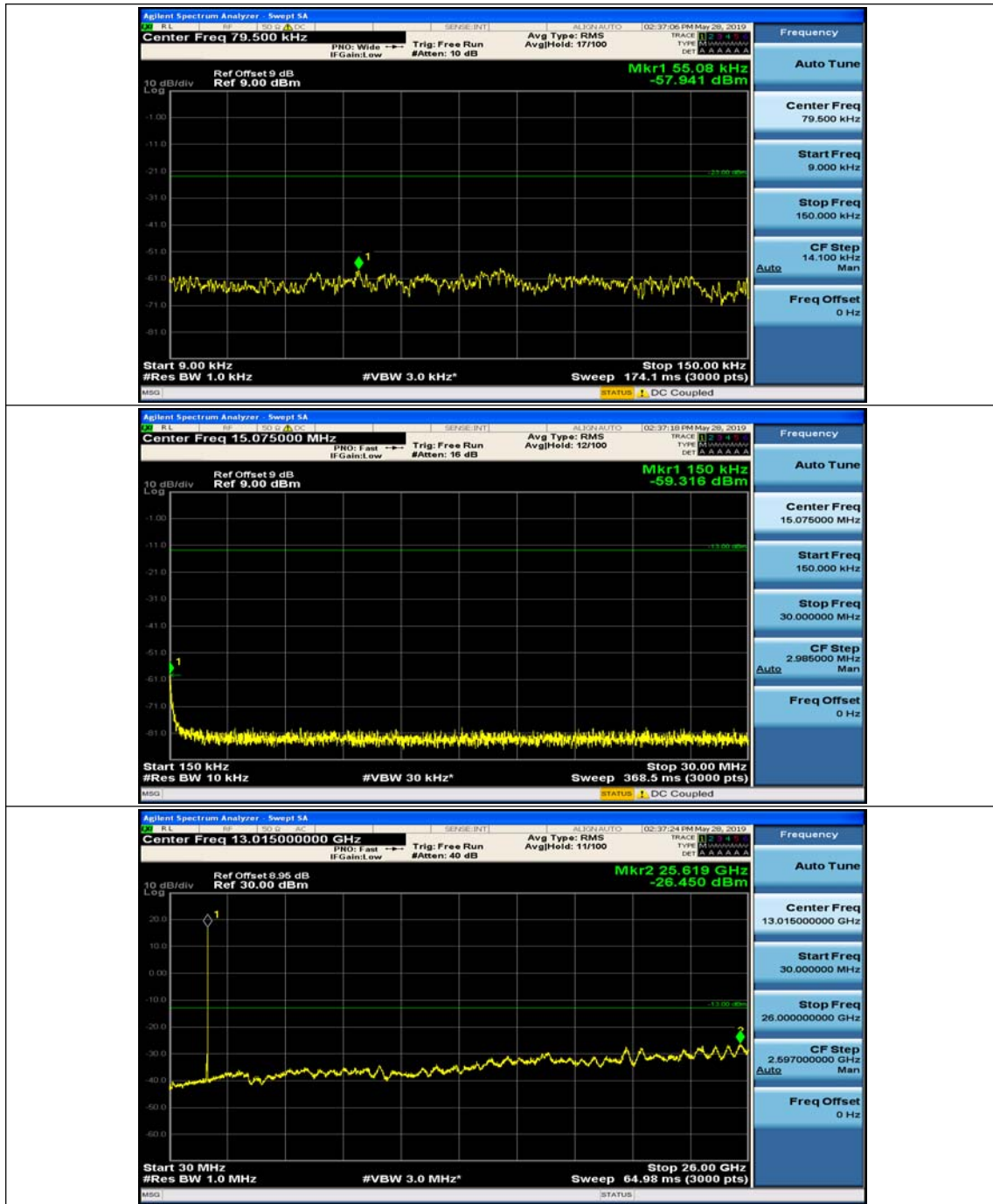


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

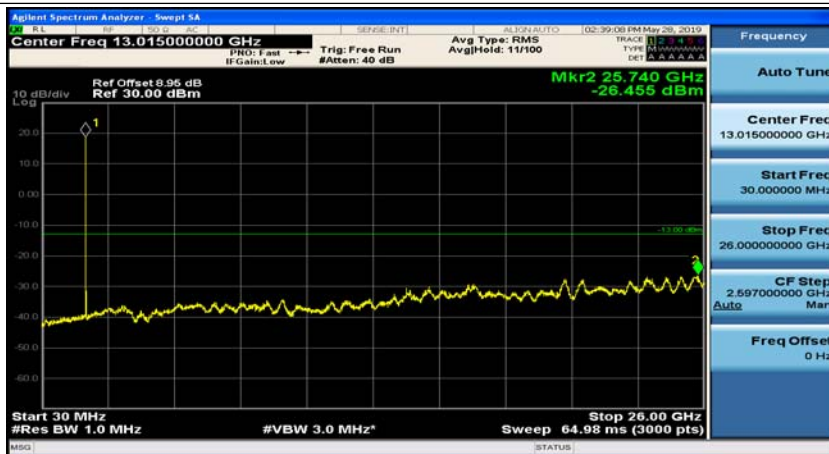
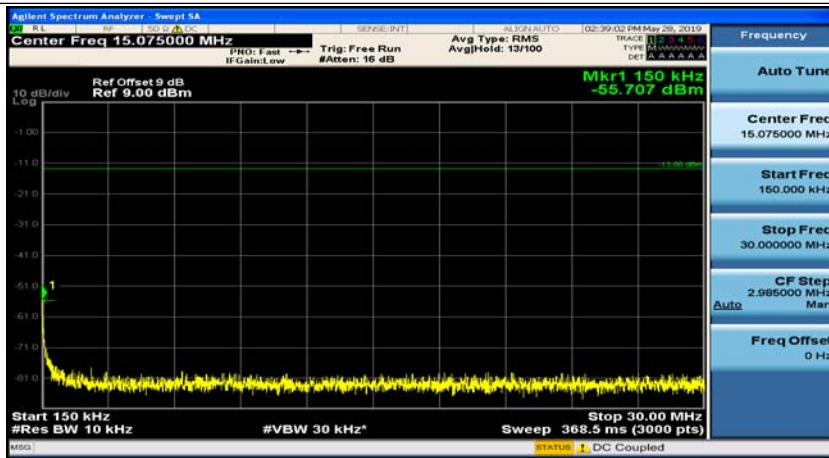
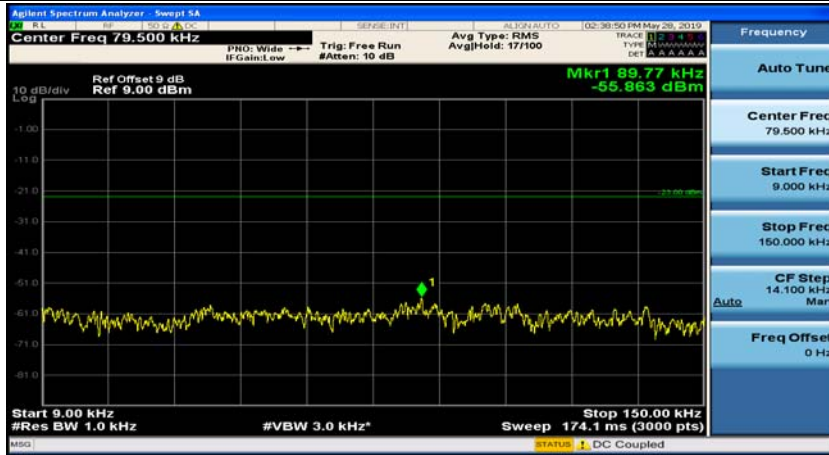


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

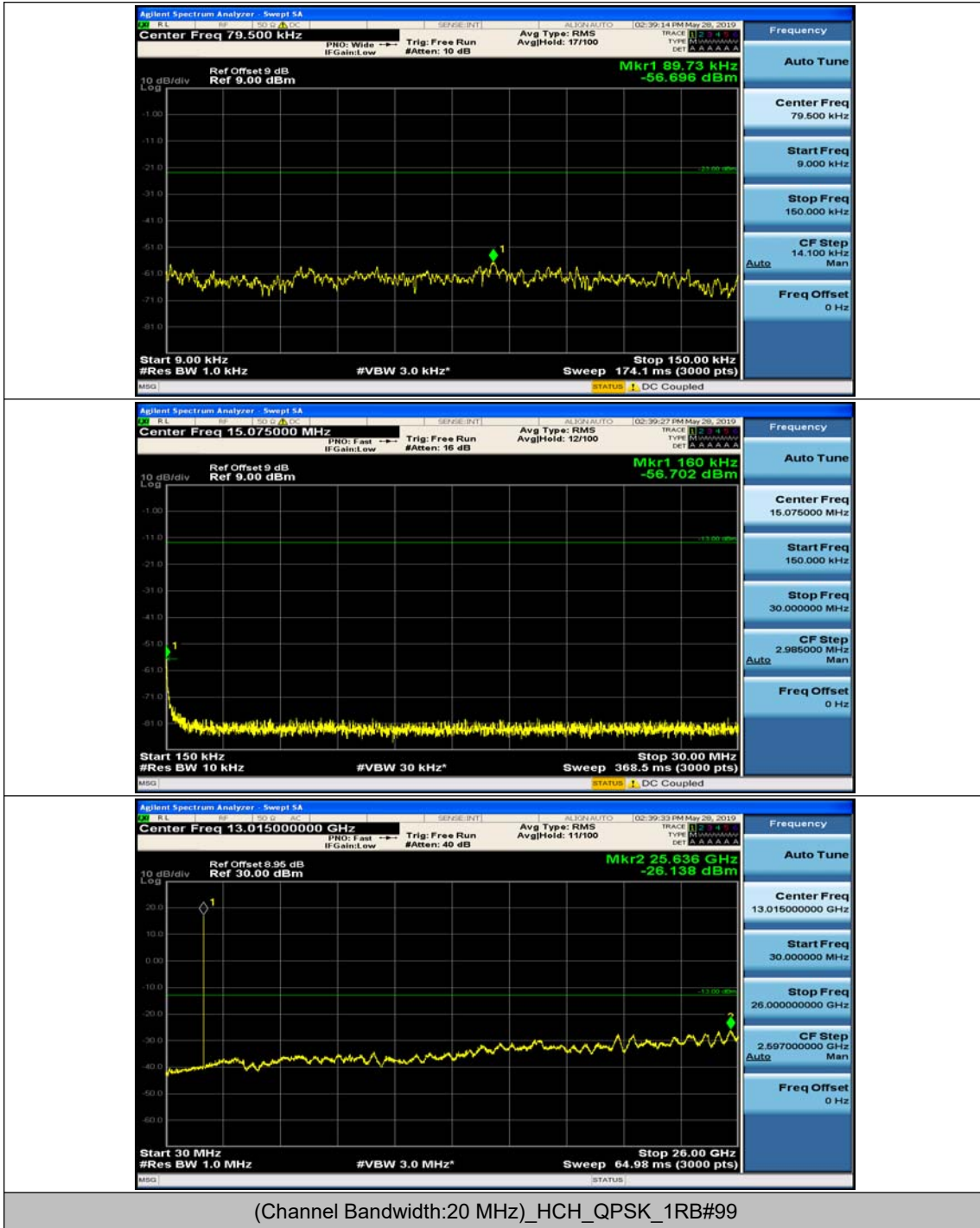


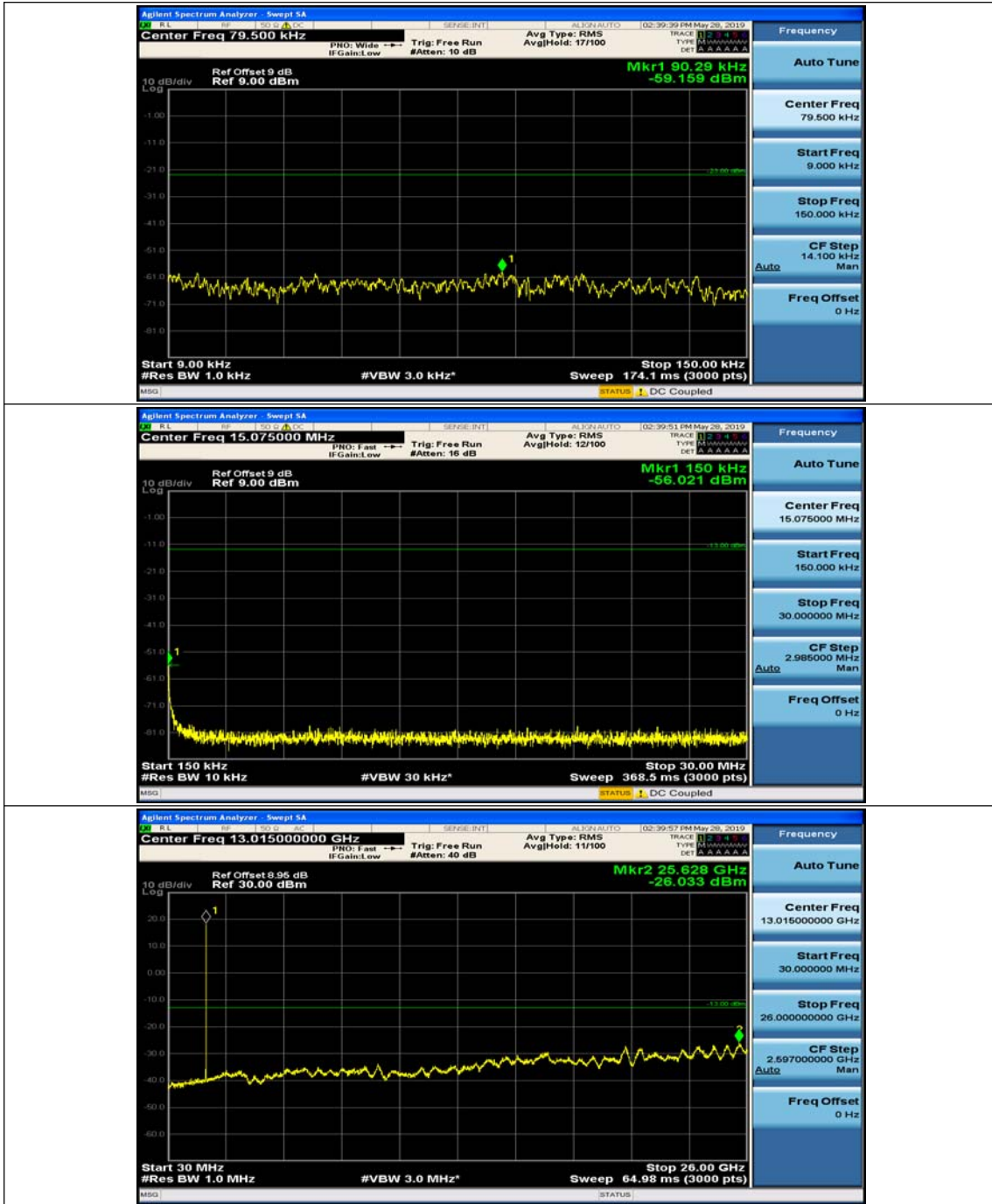


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

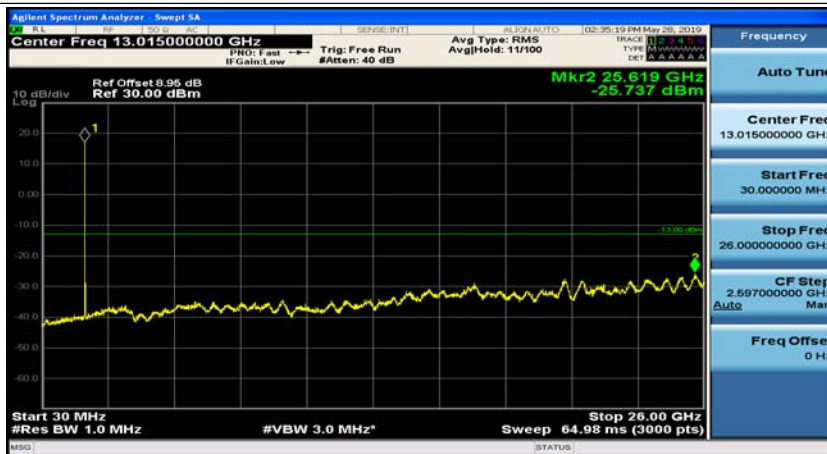
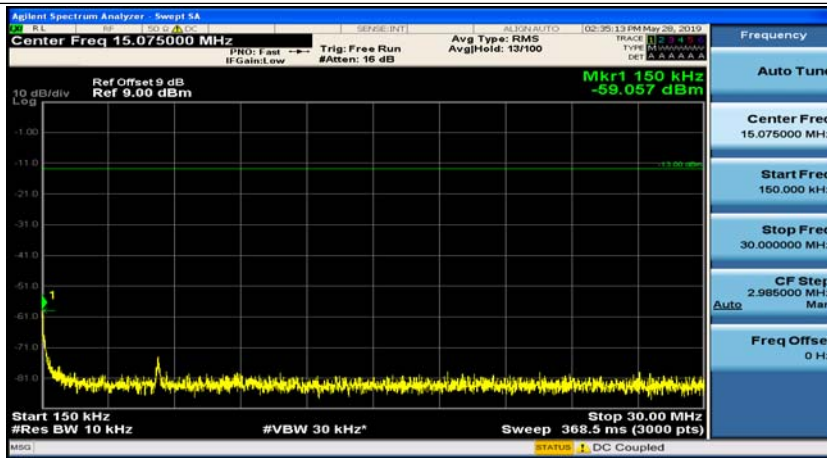
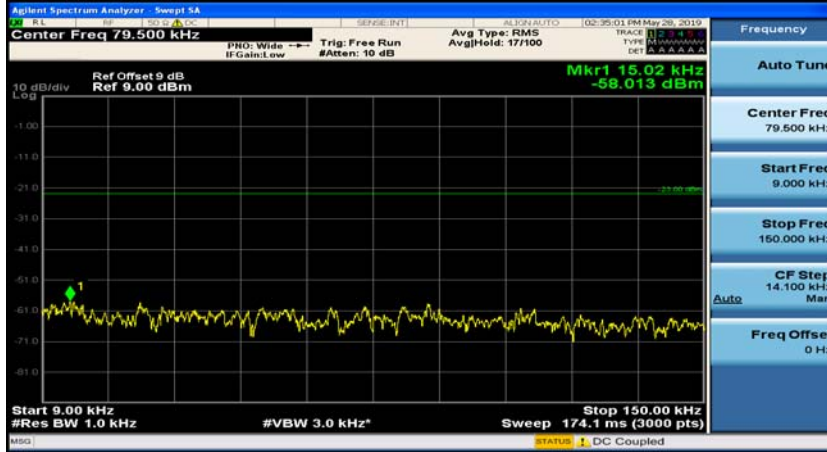


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

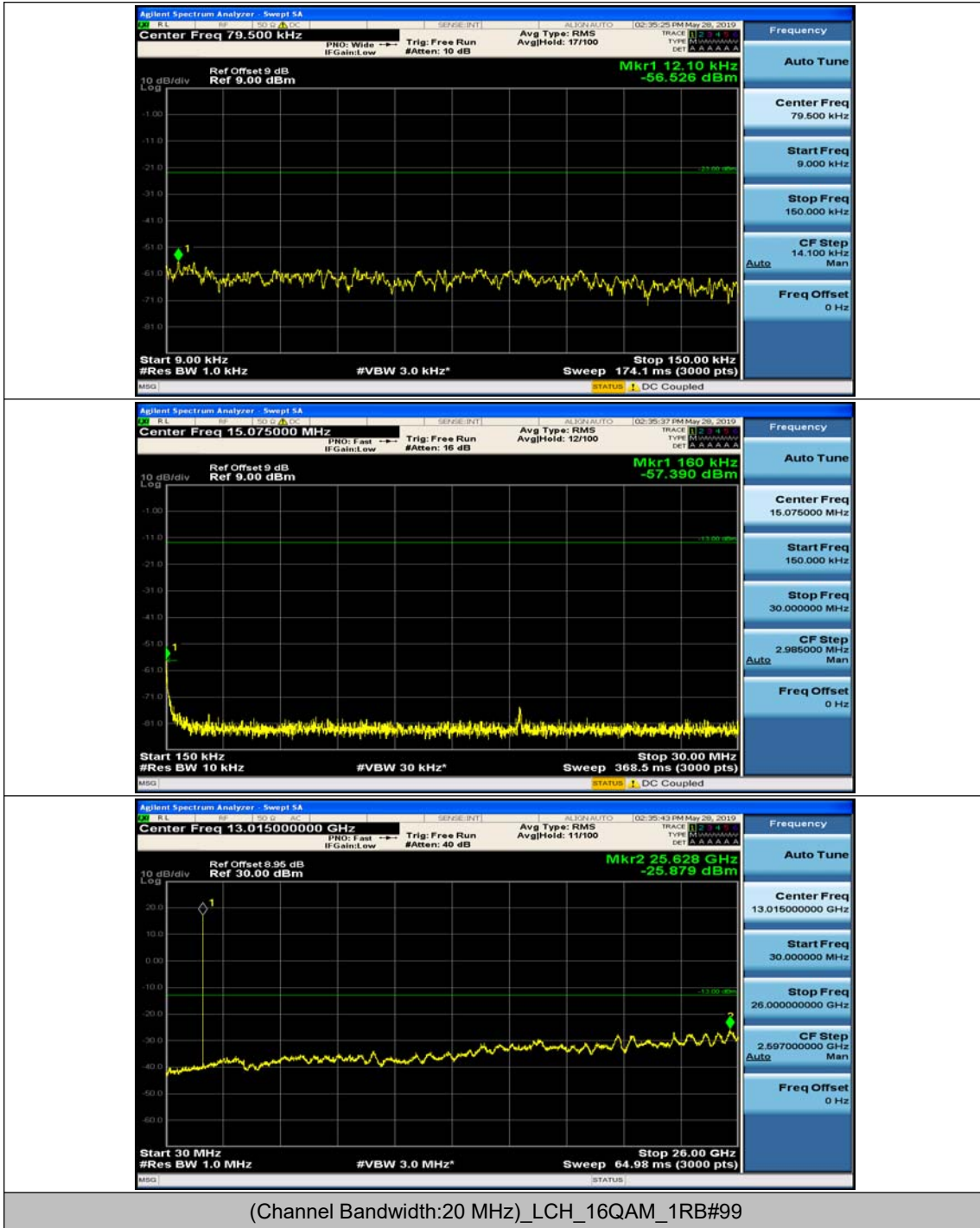


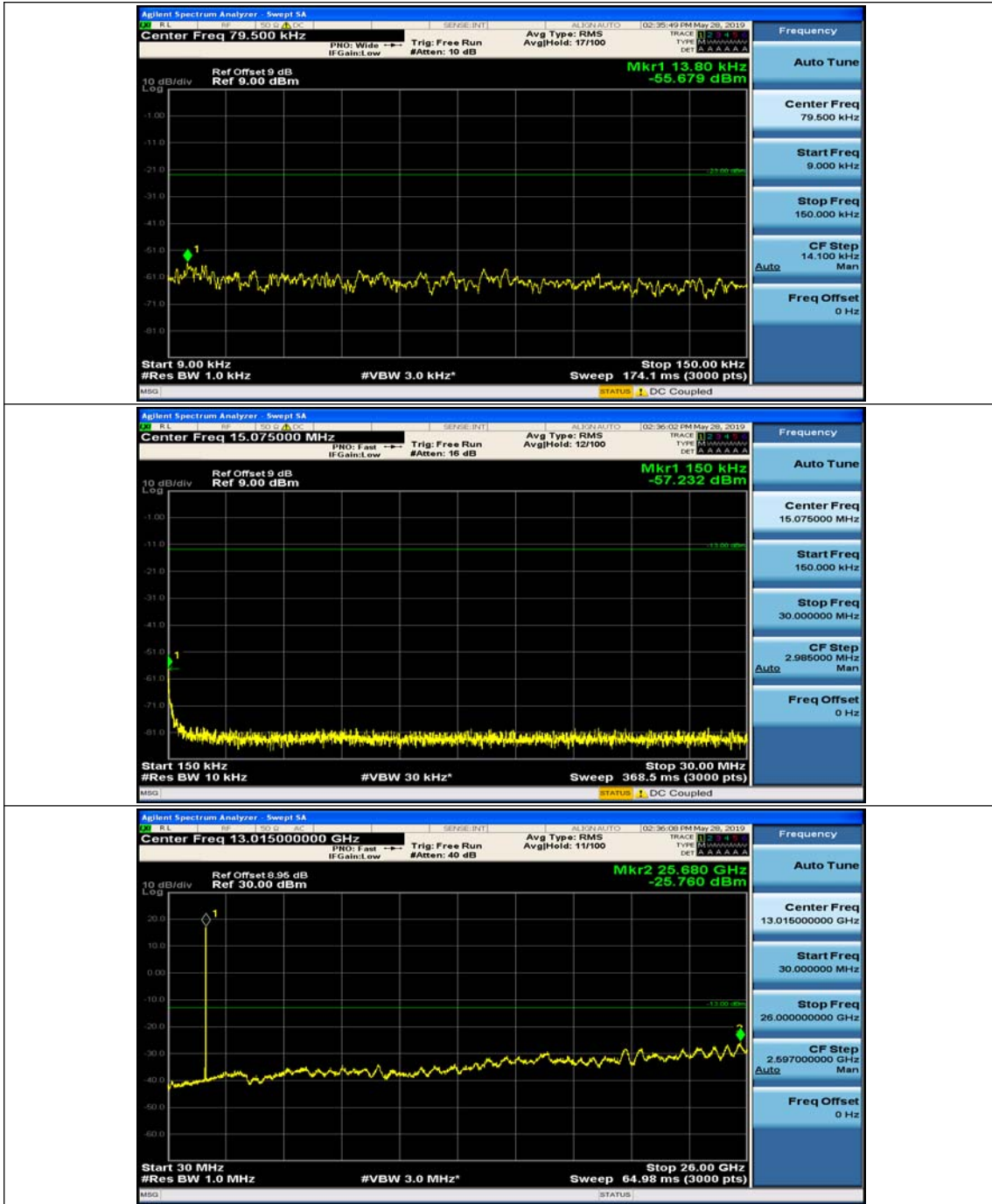


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

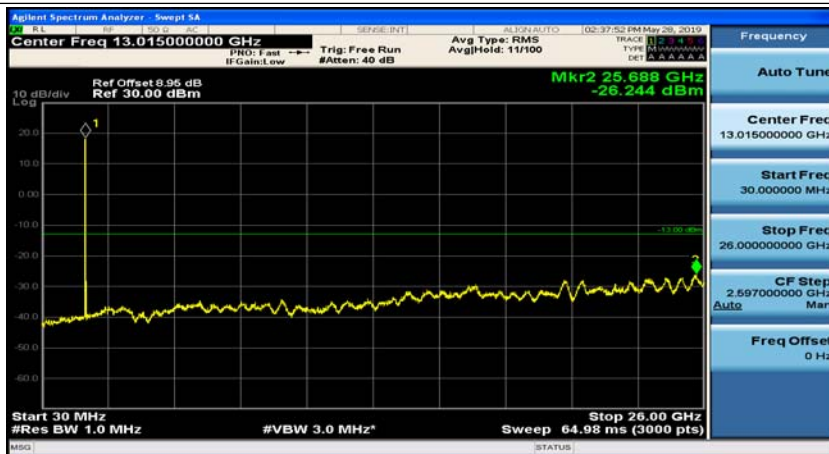
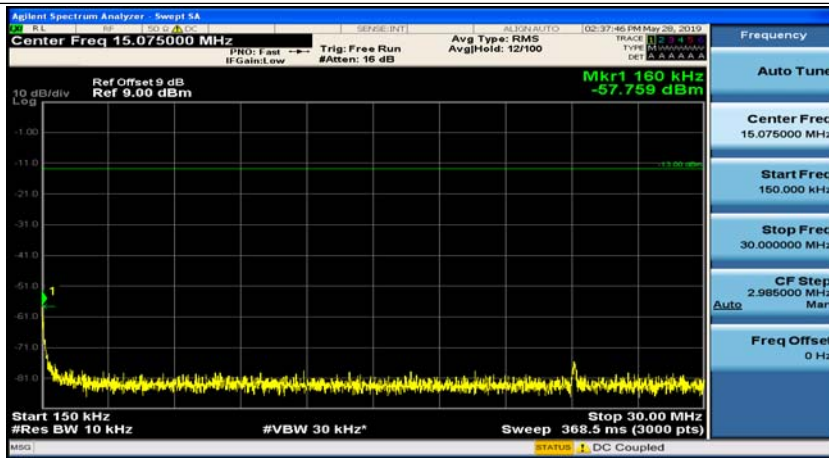


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

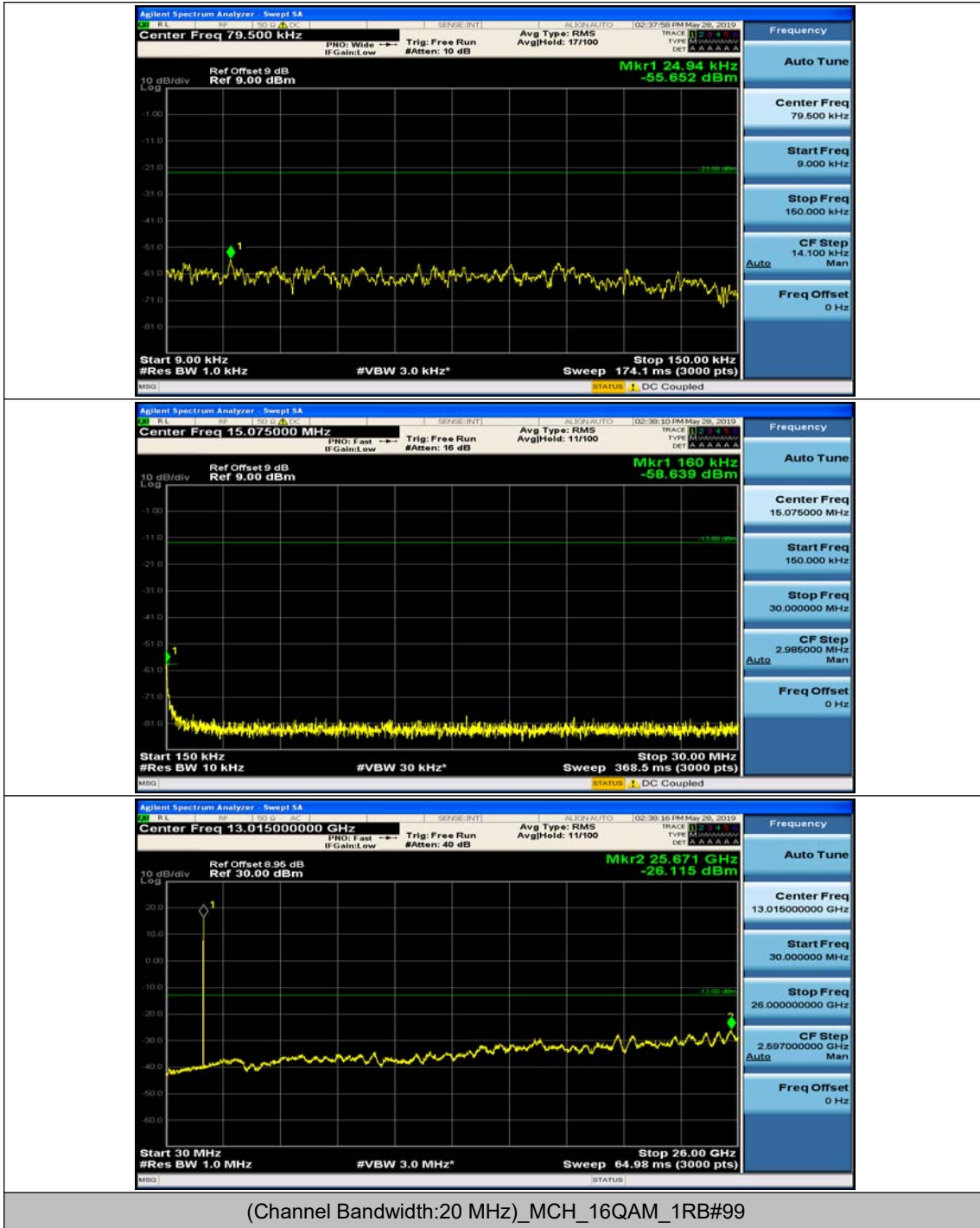


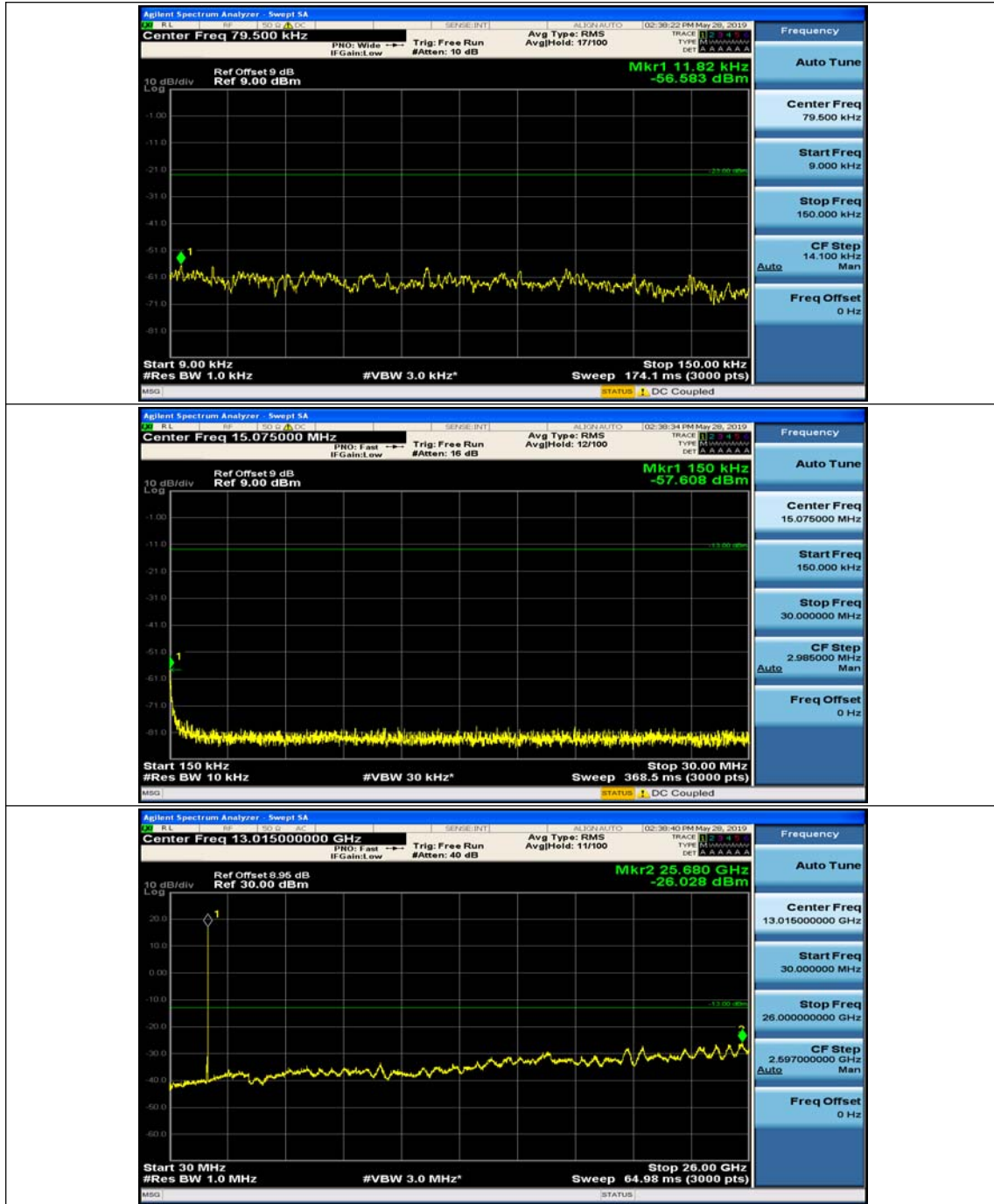


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

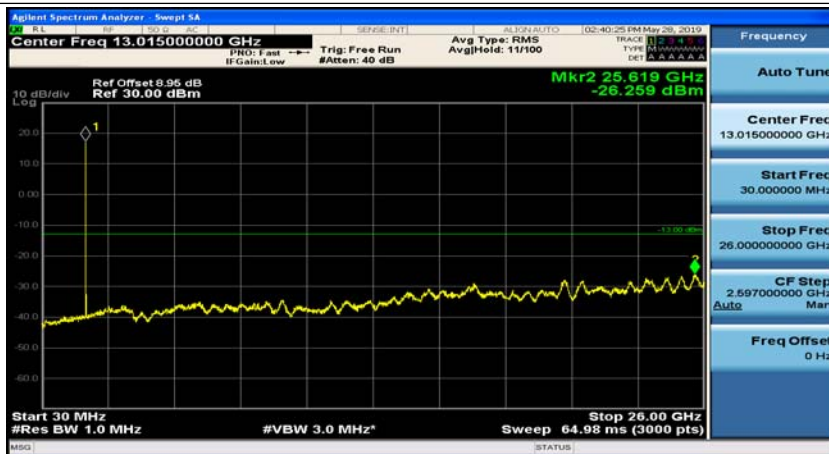
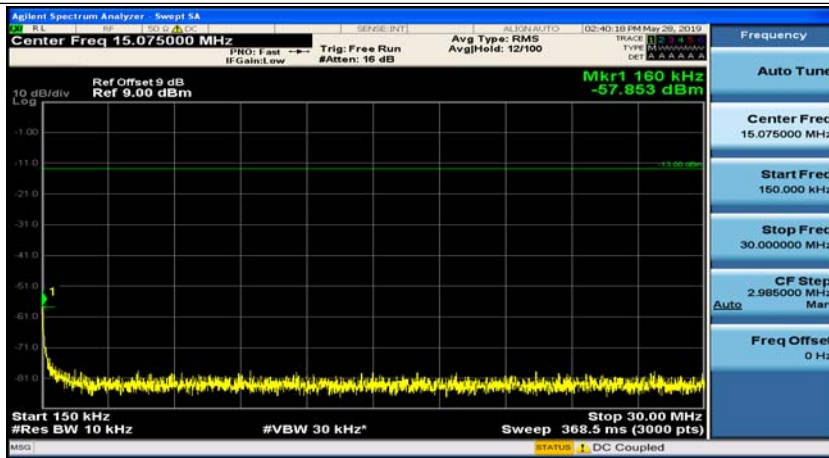
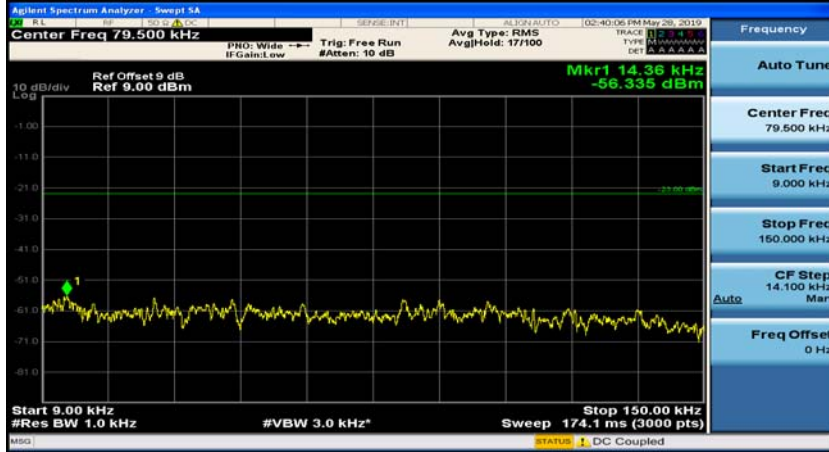


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

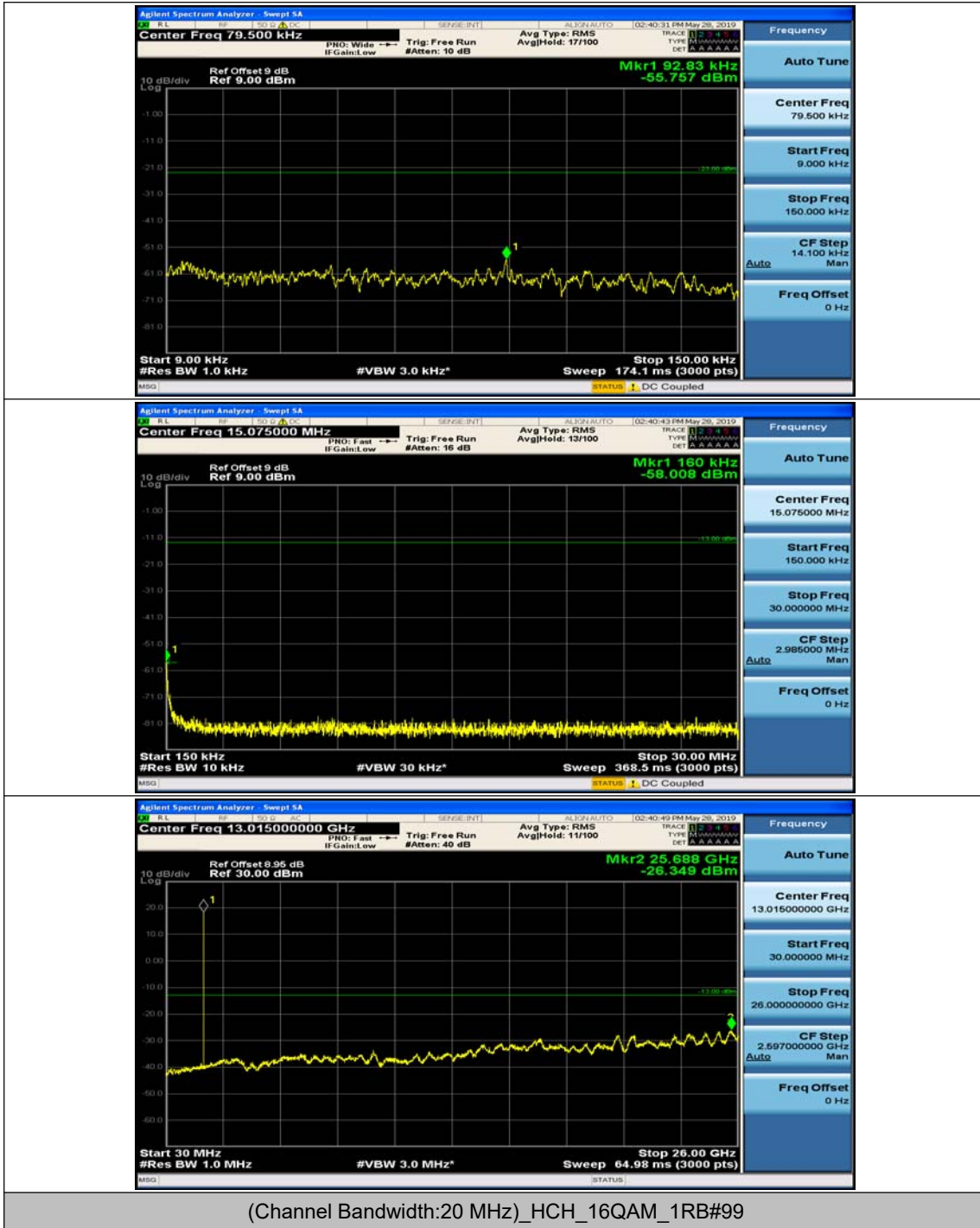


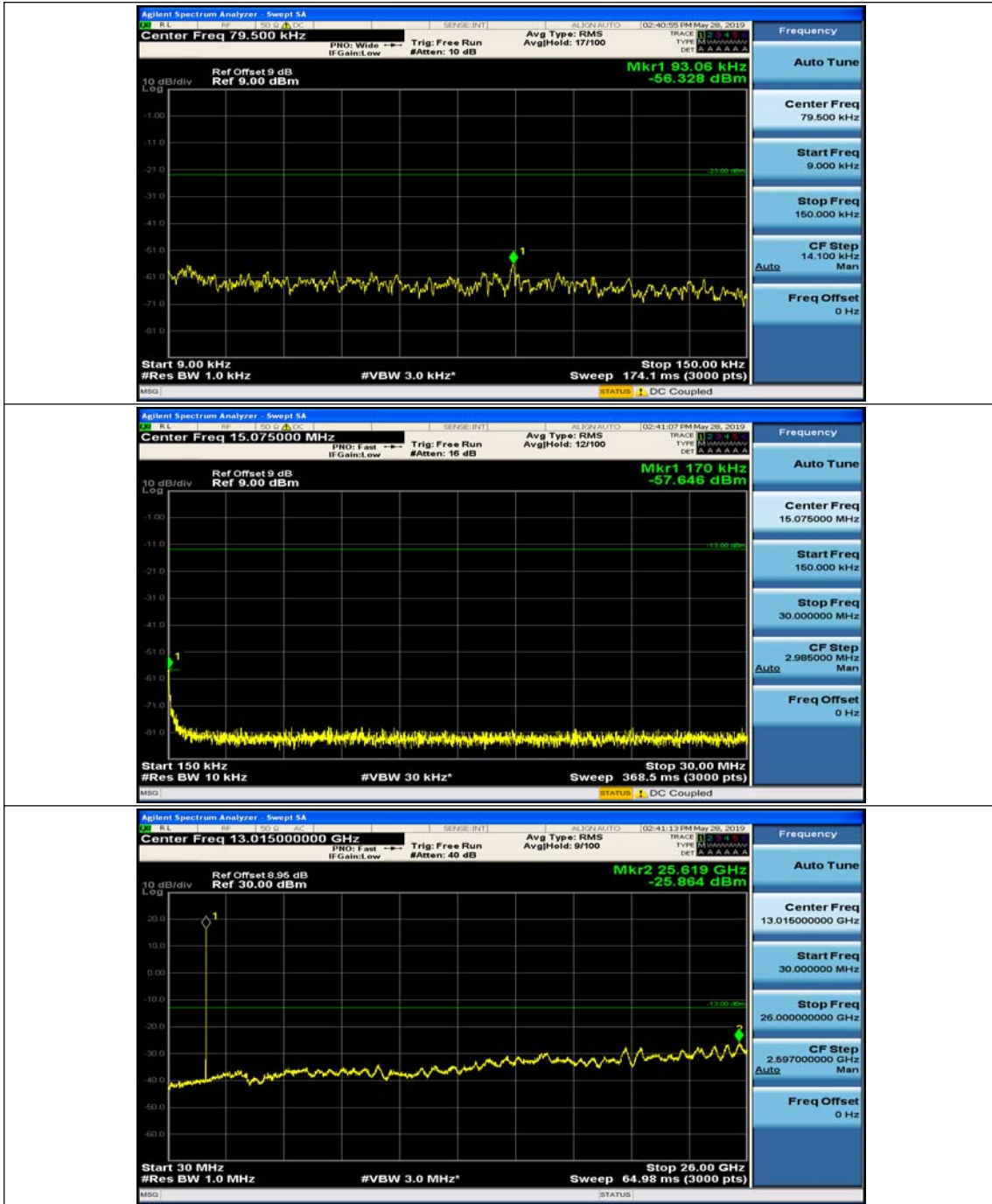


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-0.01	-0.000006	± 2.5	PASS
		VN	TN	-0.16	-0.000094	± 2.5	PASS
		VH	TN	2.76	0.001613	± 2.5	PASS
	MCH	VL	TN	-1.37	-0.000791	± 2.5	PASS
		VN	TN	4.81	0.002776	± 2.5	PASS
		VH	TN	3.88	0.002240	± 2.5	PASS
	HCH	VL	TN	0.89	0.000507	± 2.5	PASS
		VN	TN	-1.91	-0.001089	± 2.5	PASS
		VH	TN	0.64	0.000365	± 2.5	PASS
16QAM	LCH	VL	TN	-1.61	-0.000941	± 2.5	PASS
		VN	TN	0.14	0.000082	± 2.5	PASS
		VH	TN	-1.78	-0.001041	± 2.5	PASS
	MCH	VL	TN	-1.71	-0.000987	± 2.5	PASS
		VN	TN	-1.35	-0.000779	± 2.5	PASS
		VH	TN	4.35	0.002511	± 2.5	PASS
	HCH	VL	TN	2.14	0.001220	± 2.5	PASS
		VN	TN	4.16	0.002371	± 2.5	PASS
		VH	TN	4.48	0.002554	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.84	0.000491	± 2.5	PASS
		VN	-20	2.55	0.001491	± 2.5	PASS
		VN	-10	-1.77	-0.001035	± 2.5	PASS
		VN	0	2.63	0.001537	± 2.5	PASS
		VN	10	2.16	0.001263	± 2.5	PASS
		VN	20	-0.13	-0.000076	± 2.5	PASS
		VN	30	1.34	0.000783	± 2.5	PASS
		VN	40	2.11	0.001233	± 2.5	PASS
		VN	50	-1.8	-0.001052	± 2.5	PASS

	MCH	VN	-30	-0.13	-0.000075	± 2.5	PASS
		VN	-20	-1.43	-0.000825	± 2.5	PASS
		VN	-10	0.87	0.000502	± 2.5	PASS
		VN	0	2.86	0.001651	± 2.5	PASS
		VN	10	0.61	0.000352	± 2.5	PASS
		VN	20	4.69	0.002707	± 2.5	PASS
		VN	30	-0.85	-0.000491	± 2.5	PASS
		VN	40	-1.7	-0.000981	± 2.5	PASS
		VN	50	3.88	0.002240	± 2.5	PASS
	HCH	VN	-30	2.27	0.001294	± 2.5	PASS
		VN	-20	1.1	0.000627	± 2.5	PASS
		VN	-10	2.61	0.001488	± 2.5	PASS
		VN	0	3.5	0.001995	± 2.5	PASS
		VN	10	1.15	0.000656	± 2.5	PASS
		VN	20	0.81	0.000462	± 2.5	PASS
		VN	30	3.25	0.001853	± 2.5	PASS
		VN	40	4.03	0.002297	± 2.5	PASS
		VN	50	0.38	0.000217	± 2.5	PASS
16QAM	LCH	VN	-30	4.06	0.002373	± 2.5	PASS
		VN	-20	-0.35	-0.000205	± 2.5	PASS
		VN	-10	1.26	0.000737	± 2.5	PASS
		VN	0	3.3	0.001929	± 2.5	PASS
		VN	10	4.81	0.002812	± 2.5	PASS
		VN	20	-1.46	-0.000853	± 2.5	PASS
		VN	30	2.56	0.001496	± 2.5	PASS
		VN	40	2.26	0.001321	± 2.5	PASS
		VN	50	4.03	0.002356	± 2.5	PASS
	MCH	VN	-30	-0.06	-0.000034	± 2.5	PASS
		VN	-20	4.78	0.002725	± 2.5	PASS
		VN	-10	-1.52	-0.000866	± 2.5	PASS
		VN	0	3.21	0.001830	± 2.5	PASS
		VN	10	2.45	0.001397	± 2.5	PASS
		VN	20	-1.61	-0.000918	± 2.5	PASS
		VN	30	2.64	0.001505	± 2.5	PASS
		VN	40	-1.92	-0.001094	± 2.5	PASS
		VN	50	2.55	0.001454	± 2.5	PASS
	HCH	VN	-30	-1.46	-0.000832	± 2.5	PASS
		VN	-20	0.78	0.000445	± 2.5	PASS
		VN	-10	-1.55	-0.000884	± 2.5	PASS
		VN	0	-1.4	-0.000798	± 2.5	PASS
		VN	10	2.74	0.001562	± 2.5	PASS

		VN	20	1.91	0.001089	± 2.5	PASS
		VN	30	0.51	0.000291	± 2.5	PASS
		VN	40	-0.43	-0.000245	± 2.5	PASS
		VN	50	-1.08	-0.000616	± 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	-1.61	-0.000941	± 2.5	PASS
		VN	TN	-1.62	-0.000947	± 2.5	PASS
		VH	TN	2.75	0.001607	± 2.5	PASS
	MCH	VL	TN	0.93	0.000537	± 2.5	PASS
		VN	TN	1.5	0.000866	± 2.5	PASS
		VH	TN	-0.18	-0.000104	± 2.5	PASS
	HCH	VL	TN	1.51	0.000861	± 2.5	PASS
		VN	TN	0.74	0.000422	± 2.5	PASS
		VH	TN	1.07	0.000610	± 2.5	PASS
16QAM	LCH	VL	TN	2.24	0.001309	± 2.5	PASS
		VN	TN	2.97	0.001735	± 2.5	PASS
		VH	TN	-0.16	-0.000093	± 2.5	PASS
	MCH	VL	TN	2.24	0.001293	± 2.5	PASS
		VN	TN	4.69	0.002707	± 2.5	PASS
		VH	TN	2.21	0.001276	± 2.5	PASS
	HCH	VL	TN	3.62	0.002064	± 2.5	PASS
		VN	TN	-0.17	-0.000097	± 2.5	PASS
		VH	TN	4.57	0.002606	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.36	-0.000210	± 2.5	PASS
		VN	-20	2.78	0.001624	± 2.5	PASS
		VN	-10	-0.49	-0.000286	± 2.5	PASS
		VN	0	-1.05	-0.000613	± 2.5	PASS
		VN	10	-1.47	-0.000859	± 2.5	PASS
		VN	20	-1.17	-0.000684	± 2.5	PASS
		VN	30	3.65	0.002133	± 2.5	PASS
		VN	40	1.12	0.000654	± 2.5	PASS
		VN	50	4.32	0.002524	± 2.5	PASS
	MCH	VN	-30	-0.83	-0.000479	± 2.5	PASS

		VN	-20	4.29	0.002476	± 2.5	PASS
		VN	-10	1.69	0.000975	± 2.5	PASS
		VN	0	4.89	0.002823	± 2.5	PASS
		VN	10	4.01	0.002315	± 2.5	PASS
		VN	20	2.68	0.001547	± 2.5	PASS
		VN	30	3.53	0.002038	± 2.5	PASS
		VN	40	1.1	0.000635	± 2.5	PASS
		VN	50	3.07	0.001772	± 2.5	PASS
	HCH	VN	-30	3.5	0.001996	± 2.5	PASS
		VN	-20	3.51	0.002002	± 2.5	PASS
		VN	-10	2.93	0.001671	± 2.5	PASS
		VN	0	-1.95	-0.001112	± 2.5	PASS
		VN	10	3.45	0.001967	± 2.5	PASS
		VN	20	1.37	0.000781	± 2.5	PASS
		VN	30	-0.72	-0.000411	± 2.5	PASS
		VN	40	1.3	0.000741	± 2.5	PASS
		VN	50	-0.58	-0.000331	± 2.5	PASS
		QPSK	LCH	VN	-30	4.4	0.002540
VN	-20			4.06	0.002343	± 2.5	PASS
VN	-10			-1.17	-0.000675	± 2.5	PASS
VN	0			-0.96	-0.000554	± 2.5	PASS
VN	10			1.4	0.000808	± 2.5	PASS
VN	20			-1.3	-0.000750	± 2.5	PASS
VN	30			-0.41	-0.000237	± 2.5	PASS
VN	40			1.94	0.001120	± 2.5	PASS
VN	50			-0.53	-0.000306	± 2.5	PASS
MCH	VN		-30	-0.79	-0.000451	± 2.5	PASS
	VN		-20	-1.6	-0.000912	± 2.5	PASS
	VN		-10	0.74	0.000422	± 2.5	PASS
	VN		0	0.7	0.000399	± 2.5	PASS
	VN		10	-1.54	-0.000878	± 2.5	PASS
	VN		20	3.19	0.001819	± 2.5	PASS
	VN		30	2.81	0.001603	± 2.5	PASS
	VN		40	-1.72	-0.000981	± 2.5	PASS
	VN		50	4.41	0.002515	± 2.5	PASS
HCH	VN		-30	0.79	0.000451	± 2.5	PASS
	VN		-20	-0.04	-0.000023	± 2.5	PASS
	VN		-10	2.58	0.001471	± 2.5	PASS
	VN		0	-1.86	-0.001061	± 2.5	PASS
	VN		10	-1.32	-0.000753	± 2.5	PASS
	VN		20	0.75	0.000428	± 2.5	PASS

		VN	30	0.96	0.000547	± 2.5	PASS
		VN	40	2.24	0.001277	± 2.5	PASS
		VN	50	1.32	0.000753	± 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	-1.42	-0.000829	± 2.5	PASS
		VN	TN	4.82	0.002815	± 2.5	PASS
		VH	TN	-1.2	-0.000701	± 2.5	PASS
	MCH	VL	TN	3.77	0.002176	± 2.5	PASS
		VN	TN	0.72	0.000416	± 2.5	PASS
		VH	TN	4.71	0.002719	± 2.5	PASS
	HCH	VL	TN	4.35	0.002482	± 2.5	PASS
		VN	TN	2.11	0.001204	± 2.5	PASS
		VH	TN	2.13	0.001215	± 2.5	PASS
16QAM	LCH	VL	TN	4.24	0.002476	± 2.5	PASS
		VN	TN	1.26	0.000736	± 2.5	PASS
		VH	TN	3.4	0.001985	± 2.5	PASS
	MCH	VL	TN	-1.36	-0.000785	± 2.5	PASS
		VN	TN	-0.88	-0.000508	± 2.5	PASS
		VH	TN	-1.96	-0.001131	± 2.5	PASS
	HCH	VL	TN	1.82	0.001039	± 2.5	PASS
		VN	TN	0.33	0.000188	± 2.5	PASS
		VH	TN	4.43	0.002528	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.26	0.000736	± 2.5	PASS
		VN	-20	2.41	0.001407	± 2.5	PASS
		VN	-10	1.82	0.001063	± 2.5	PASS
		VN	0	0.83	0.000485	± 2.5	PASS
		VN	10	4.79	0.002797	± 2.5	PASS
		VN	20	2.68	0.001565	± 2.5	PASS
		VN	30	2.19	0.001279	± 2.5	PASS
		VN	40	-1.04	-0.000607	± 2.5	PASS
		VN	50	-0.59	-0.000345	± 2.5	PASS
	MCH	VN	-30	3.12	0.001801	± 2.5	PASS
		VN	-20	3.19	0.001841	± 2.5	PASS

		VN	-10	1.15	0.000664	± 2.5	PASS	
		VN	0	1.51	0.000872	± 2.5	PASS	
		VN	10	0.19	0.000110	± 2.5	PASS	
		VN	20	2.48	0.001431	± 2.5	PASS	
		VN	30	4.38	0.002528	± 2.5	PASS	
		VN	40	2.45	0.001414	± 2.5	PASS	
		VN	50	1.07	0.000618	± 2.5	PASS	
	HCH	VN	-30	4.56	0.002602	± 2.5	PASS	
		VN	-20	-0.01	-0.000005	± 2.5	PASS	
		VN	-10	3.25	0.001704	± 2.5	PASS	
		VN	0	0.84	0.000440	± 2.5	PASS	
		VN	10	1.83	0.000959	± 2.5	PASS	
		VN	20	1.55	0.000813	± 2.5	PASS	
		VN	30	3.34	0.001751	± 2.5	PASS	
	16QAM	LCH	VN	40	-1.88	-0.000986	± 2.5	PASS
			VN	50	2.04	0.001069	± 2.5	PASS
			VN	-30	2.99	0.001726	± 2.5	PASS
			VN	-20	4.04	0.002332	± 2.5	PASS
VN			-10	4.59	0.002649	± 2.5	PASS	
VN			0	-1.04	-0.000600	± 2.5	PASS	
VN			10	-0.07	-0.000040	± 2.5	PASS	
VN			20	-1.15	-0.000664	± 2.5	PASS	
VN			30	4.95	0.002857	± 2.5	PASS	
MCH		VN	40	-0.43	-0.000248	± 2.5	PASS	
		VN	50	4.4	0.002540	± 2.5	PASS	
		VN	-30	0.5	0.000285	± 2.5	PASS	
		VN	-20	0.43	0.000245	± 2.5	PASS	
		VN	-10	3.61	0.002060	± 2.5	PASS	
		VN	0	2.36	0.001347	± 2.5	PASS	
		VN	10	4.47	0.002551	± 2.5	PASS	
		VN	20	2.64	0.001506	± 2.5	PASS	
		VN	30	0.66	0.000377	± 2.5	PASS	
HCH		VN	40	4.88	0.002785	± 2.5	PASS	
		VN	50	4.31	0.002459	± 2.5	PASS	
		VN	-30	-1.78	-0.000933	± 2.5	PASS	
		VN	-20	-0.67	-0.000351	± 2.5	PASS	
		VN	-10	0.22	0.000115	± 2.5	PASS	
		VN	0	2.02	0.001059	± 2.5	PASS	
		VN	10	1.79	0.000938	± 2.5	PASS	
VN		20	0.53	0.000278	± 2.5	PASS		
VN		30	0.54	0.000283	± 2.5	PASS		

		VN	40	2.86	0.001499	± 2.5	PASS
		VN	50	0.96	0.000503	± 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	-1.54	-0.000898	± 2.5	PASS
		VN	TN	3.09	0.001802	± 2.5	PASS
		VH	TN	4.95	0.002886	± 2.5	PASS
	MCH	VL	TN	2.86	0.001651	± 2.5	PASS
		VN	TN	-0.57	-0.000329	± 2.5	PASS
		VH	TN	4.66	0.002690	± 2.5	PASS
	HCH	VL	TN	-0.01	-0.000006	± 2.5	PASS
		VN	TN	2.65	0.001514	± 2.5	PASS
		VH	TN	1.63	0.000931	± 2.5	PASS
16QAM	LCH	VL	TN	-1.78	-0.001038	± 2.5	PASS
		VN	TN	1.98	0.001155	± 2.5	PASS
		VH	TN	-1.99	-0.001160	± 2.5	PASS
	MCH	VL	TN	-1.81	-0.001045	± 2.5	PASS
		VN	TN	-0.6	-0.000346	± 2.5	PASS
		VH	TN	1.42	0.000820	± 2.5	PASS
	HCH	VL	TN	2.77	0.001583	± 2.5	PASS
		VN	TN	4.35	0.002486	± 2.5	PASS
		VH	TN	4.86	0.002777	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.39	0.001394	± 2.5	PASS
		VN	-20	-1.66	-0.000968	± 2.5	PASS
		VN	-10	-1.65	-0.000962	± 2.5	PASS
		VN	0	1.3	0.000758	± 2.5	PASS
		VN	10	4.16	0.002426	± 2.5	PASS
		VN	20	0.74	0.000431	± 2.5	PASS
		VN	30	3.28	0.001913	± 2.5	PASS
		VN	40	-1.22	-0.000711	± 2.5	PASS
		VN	50	3.14	0.001831	± 2.5	PASS
	MCH	VN	-30	1.77	0.001022	± 2.5	PASS
		VN	-20	1.23	0.000710	± 2.5	PASS
		VN	-10	1.71	0.000987	± 2.5	PASS

		VN	0	1.52	0.000877	± 2.5	PASS		
		VN	10	2.63	0.001518	± 2.5	PASS		
		VN	20	-1.24	-0.000716	± 2.5	PASS		
		VN	30	2.64	0.001524	± 2.5	PASS		
		VN	40	2.46	0.001420	± 2.5	PASS		
		VN	50	0.79	0.000456	± 2.5	PASS		
	HCH	VN	-30	-0.99	-0.000566	± 2.5	PASS		
		VN	-20	-1.81	-0.001034	± 2.5	PASS		
		VN	-10	2.77	0.001583	± 2.5	PASS		
		VN	0	1.25	0.000714	± 2.5	PASS		
		VN	10	1.29	0.000737	± 2.5	PASS		
		VN	20	-0.92	-0.000526	± 2.5	PASS		
		VN	30	4.46	0.002549	± 2.5	PASS		
		VN	40	-0.23	-0.000131	± 2.5	PASS		
		VN	50	1.26	0.000720	± 2.5	PASS		
		QPSK	LCH	VN	-30	-1.17	-0.000675	± 2.5	PASS
				VN	-20	2.6	0.001501	± 2.5	PASS
				VN	-10	-0.15	-0.000087	± 2.5	PASS
VN	0			2.14	0.001235	± 2.5	PASS		
VN	10			-1.93	-0.001114	± 2.5	PASS		
VN	20			3.22	0.001859	± 2.5	PASS		
VN	30			0.04	0.000023	± 2.5	PASS		
VN	40			0.95	0.000548	± 2.5	PASS		
VN	50			-0.89	-0.000514	± 2.5	PASS		
MCH	VN		-30	-1.68	-0.000960	± 2.5	PASS		
	VN		-20	0.25	0.000143	± 2.5	PASS		
	VN		-10	0.69	0.000394	± 2.5	PASS		
	VN		0	4.74	0.002709	± 2.5	PASS		
	VN		10	3.43	0.001960	± 2.5	PASS		
	VN		20	0.27	0.000154	± 2.5	PASS		
	VN		30	-1.59	-0.000909	± 2.5	PASS		
	VN		40	2.23	0.001274	± 2.5	PASS		
	VN		50	-0.04	-0.000023	± 2.5	PASS		
HCH	VN		-30	3.75	0.002143	± 2.5	PASS		
	VN		-20	-1.77	-0.001011	± 2.5	PASS		
	VN		-10	0.28	0.000160	± 2.5	PASS		
	VN		0	3.89	0.002223	± 2.5	PASS		
	VN		10	-1.04	-0.000594	± 2.5	PASS		
	VN		20	4.25	0.002429	± 2.5	PASS		
	VN		30	1.74	0.000994	± 2.5	PASS		
	VN		40	-1.43	-0.000817	± 2.5	PASS		

		VN	50	1.06	0.000606	± 2.5	PASS
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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	0.66	0.000384	± 2.5	PASS
		VN	TN	-1.54	-0.000897	± 2.5	PASS
		VH	TN	3.8	0.002213	± 2.5	PASS
	MCH	VL	TN	1.42	0.000820	± 2.5	PASS
		VN	TN	-1.74	-0.001004	± 2.5	PASS
		VH	TN	2.33	0.001345	± 2.5	PASS
	HCH	VL	TN	2.12	0.001213	± 2.5	PASS
		VN	TN	3.5	0.002003	± 2.5	PASS
		VH	TN	-1.13	-0.000647	± 2.5	PASS
16QAM	LCH	VL	TN	-0.71	-0.000413	± 2.5	PASS
		VN	TN	-0.97	-0.000565	± 2.5	PASS
		VH	TN	3.49	0.002032	± 2.5	PASS
	MCH	VL	TN	0.24	0.000139	± 2.5	PASS
		VN	TN	-1.34	-0.000773	± 2.5	PASS
		VH	TN	-1.45	-0.000837	± 2.5	PASS
	HCH	VL	TN	2.46	0.001408	± 2.5	PASS
		VN	TN	1.2	0.000687	± 2.5	PASS
		VH	TN	0.5	0.000286	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.81	-0.000472	± 2.5	PASS
		VN	-20	3.1	0.001805	± 2.5	PASS
		VN	-10	3.04	0.001770	± 2.5	PASS
		VN	0	1.18	0.000687	± 2.5	PASS
		VN	10	4.83	0.002812	± 2.5	PASS
		VN	20	-0.9	-0.000524	± 2.5	PASS
		VN	30	-1.73	-0.001007	± 2.5	PASS
		VN	40	4.88	0.002841	± 2.5	PASS
		VN	50	3.03	0.001764	± 2.5	PASS
	MCH	VN	-30	-1.7	-0.000981	± 2.5	PASS
		VN	-20	2.64	0.001524	± 2.5	PASS
		VN	-10	3.14	0.001812	± 2.5	PASS
		VN	0	0.86	0.000496	± 2.5	PASS

		VN	10	4.84	0.002794	± 2.5	PASS
		VN	20	2.58	0.001489	± 2.5	PASS
		VN	30	0.17	0.000098	± 2.5	PASS
		VN	40	3.04	0.001755	± 2.5	PASS
		VN	50	-0.09	-0.000052	± 2.5	PASS
	HCH	VN	-30	1.5	0.000858	± 2.5	PASS
		VN	-20	-1.02	-0.000584	± 2.5	PASS
		VN	-10	3.22	0.001843	± 2.5	PASS
		VN	0	-0.26	-0.000149	± 2.5	PASS
		VN	10	2.15	0.001230	± 2.5	PASS
		VN	20	0.24	0.000137	± 2.5	PASS
		VN	30	1.43	0.000818	± 2.5	PASS
		VN	40	0.94	0.000538	± 2.5	PASS
		VN	50	0.12	0.000069	± 2.5	PASS
		QPSK	LCH	VN	-30	-1.44	-0.000831
VN	-20			-0.15	-0.000087	± 2.5	PASS
VN	-10			-1.1	-0.000635	± 2.5	PASS
VN	0			4.48	0.002586	± 2.5	PASS
VN	10			4.41	0.002545	± 2.5	PASS
VN	20			4.65	0.002684	± 2.5	PASS
VN	30			2.65	0.001530	± 2.5	PASS
VN	40			2.77	0.001599	± 2.5	PASS
VN	50			4.43	0.002557	± 2.5	PASS
MCH	VN		-30	1.23	0.000704	± 2.5	PASS
	VN		-20	4.03	0.002306	± 2.5	PASS
	VN		-10	1.33	0.000761	± 2.5	PASS
	VN		0	-0.9	-0.000515	± 2.5	PASS
	VN		10	1.56	0.000893	± 2.5	PASS
	VN		20	3.6	0.002060	± 2.5	PASS
	VN		30	0.51	0.000292	± 2.5	PASS
	VN		40	1.96	0.001122	± 2.5	PASS
	VN		50	4.4	0.002518	± 2.5	PASS
HCH	VN		-30	-0.35	-0.000200	± 2.5	PASS
	VN		-20	0.51	0.000292	± 2.5	PASS
	VN		-10	4.53	0.002592	± 2.5	PASS
	VN		0	4.33	0.002478	± 2.5	PASS
	VN		10	3.02	0.001728	± 2.5	PASS
	VN		20	2.83	0.001619	± 2.5	PASS
	VN		30	0.78	0.000446	± 2.5	PASS
	VN		40	-1.07	-0.000612	± 2.5	PASS
	VN		50	-0.79	-0.000452	± 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	1.45	0.000843	± 2.5	PASS
		VN	TN	2.67	0.001552	± 2.5	PASS
		VH	TN	2.79	0.001622	± 2.5	PASS
	MCH	VL	TN	3.84	0.002216	± 2.5	PASS
		VN	TN	4.63	0.002672	± 2.5	PASS
		VH	TN	1.61	0.000929	± 2.5	PASS
	HCH	VL	TN	-1.92	-0.001100	± 2.5	PASS
		VN	TN	0.64	0.000367	± 2.5	PASS
		VH	TN	-0.83	-0.000476	± 2.5	PASS
16QAM	LCH	VL	TN	3.85	0.002238	± 2.5	PASS
		VN	TN	-1.64	-0.000953	± 2.5	PASS
		VH	TN	2.03	0.001180	± 2.5	PASS
	MCH	VL	TN	4.18	0.002413	± 2.5	PASS
		VN	TN	2.22	0.001281	± 2.5	PASS
		VH	TN	1.41	0.000814	± 2.5	PASS
	HCH	VL	TN	2	0.001146	± 2.5	PASS
		VN	TN	4.35	0.002493	± 2.5	PASS
		VH	TN	0.21	0.000120	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.38	0.001384	± 2.5	PASS
		VN	-20	-1.07	-0.000622	± 2.5	PASS
		VN	-10	4.21	0.002448	± 2.5	PASS
		VN	0	4.09	0.002378	± 2.5	PASS
		VN	10	1.81	0.001052	± 2.5	PASS
		VN	20	4.52	0.002628	± 2.5	PASS
		VN	30	0.67	0.000390	± 2.5	PASS
		VN	40	1.38	0.000802	± 2.5	PASS
		VN	50	3.61	0.002099	± 2.5	PASS
	MCH	VN	-30	2.7	0.001558	± 2.5	PASS
		VN	-20	4.28	0.002470	± 2.5	PASS
		VN	-10	4.24	0.002447	± 2.5	PASS
		VN	0	-1.75	-0.001010	± 2.5	PASS
		VN	10	1.85	0.001068	± 2.5	PASS

		VN	20	-0.46	-0.000266	± 2.5	PASS
		VN	30	3.83	0.002211	± 2.5	PASS
		VN	40	4.99	0.002880	± 2.5	PASS
		VN	50	0.69	0.000398	± 2.5	PASS
	HCH	VN	-30	1.47	0.000842	± 2.5	PASS
		VN	-20	1.77	0.001014	± 2.5	PASS
		VN	-10	-1.78	-0.001020	± 2.5	PASS
		VN	0	-1.29	-0.000739	± 2.5	PASS
		VN	10	-1.83	-0.001049	± 2.5	PASS
		VN	20	1.62	0.000928	± 2.5	PASS
		VN	30	0.33	0.000189	± 2.5	PASS
		VN	40	4.01	0.002298	± 2.5	PASS
		VN	50	0.24	0.000138	± 2.5	PASS
		QPSK	LCH	VN	-30	4.39	0.002534
VN	-20			1.8	0.001039	± 2.5	PASS
VN	-10			0.13	0.000075	± 2.5	PASS
VN	0			4.6	0.002655	± 2.5	PASS
VN	10			2.35	0.001356	± 2.5	PASS
VN	20			-1.5	-0.000866	± 2.5	PASS
VN	30			4.9	0.002828	± 2.5	PASS
VN	40			0	0.000000	± 2.5	PASS
VN	50			4.12	0.002378	± 2.5	PASS
MCH	VN		-30	1.14	0.000653	± 2.5	PASS
	VN		-20	-0.24	-0.000138	± 2.5	PASS
	VN		-10	-0.85	-0.000487	± 2.5	PASS
	VN		0	1.64	0.000940	± 2.5	PASS
	VN		10	0.79	0.000453	± 2.5	PASS
	VN		20	-1.54	-0.000883	± 2.5	PASS
	VN		30	4.6	0.002636	± 2.5	PASS
	VN		40	-1.95	-0.001117	± 2.5	PASS
	VN		50	0.52	0.000298	± 2.5	PASS
HCH	VN		-30	-1.83	-0.001049	± 2.5	PASS
	VN		-20	2	0.001146	± 2.5	PASS
	VN		-10	-1.68	-0.000963	± 2.5	PASS
	VN		0	2.48	0.001421	± 2.5	PASS
	VN		10	0	0.000000	± 2.5	PASS
	VN		20	-1.08	-0.000619	± 2.5	PASS
	VN		30	0.54	0.000309	± 2.5	PASS
	VN		40	0.35	0.000201	± 2.5	PASS
	VN		50	2.06	0.001181	± 2.5	PASS