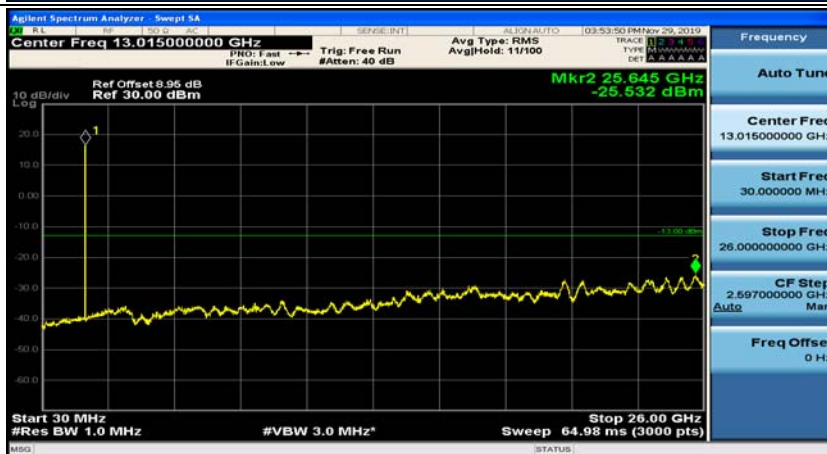
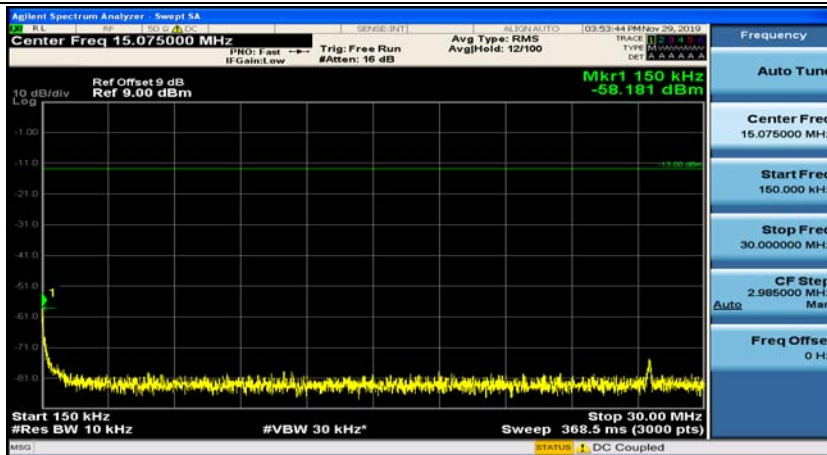
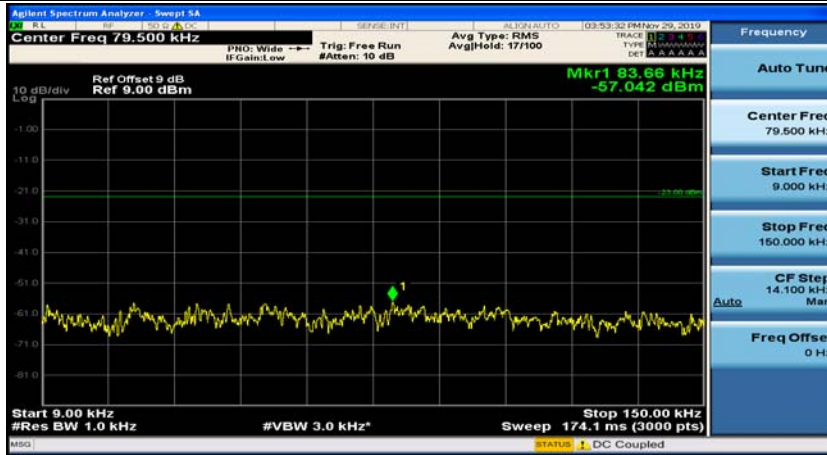
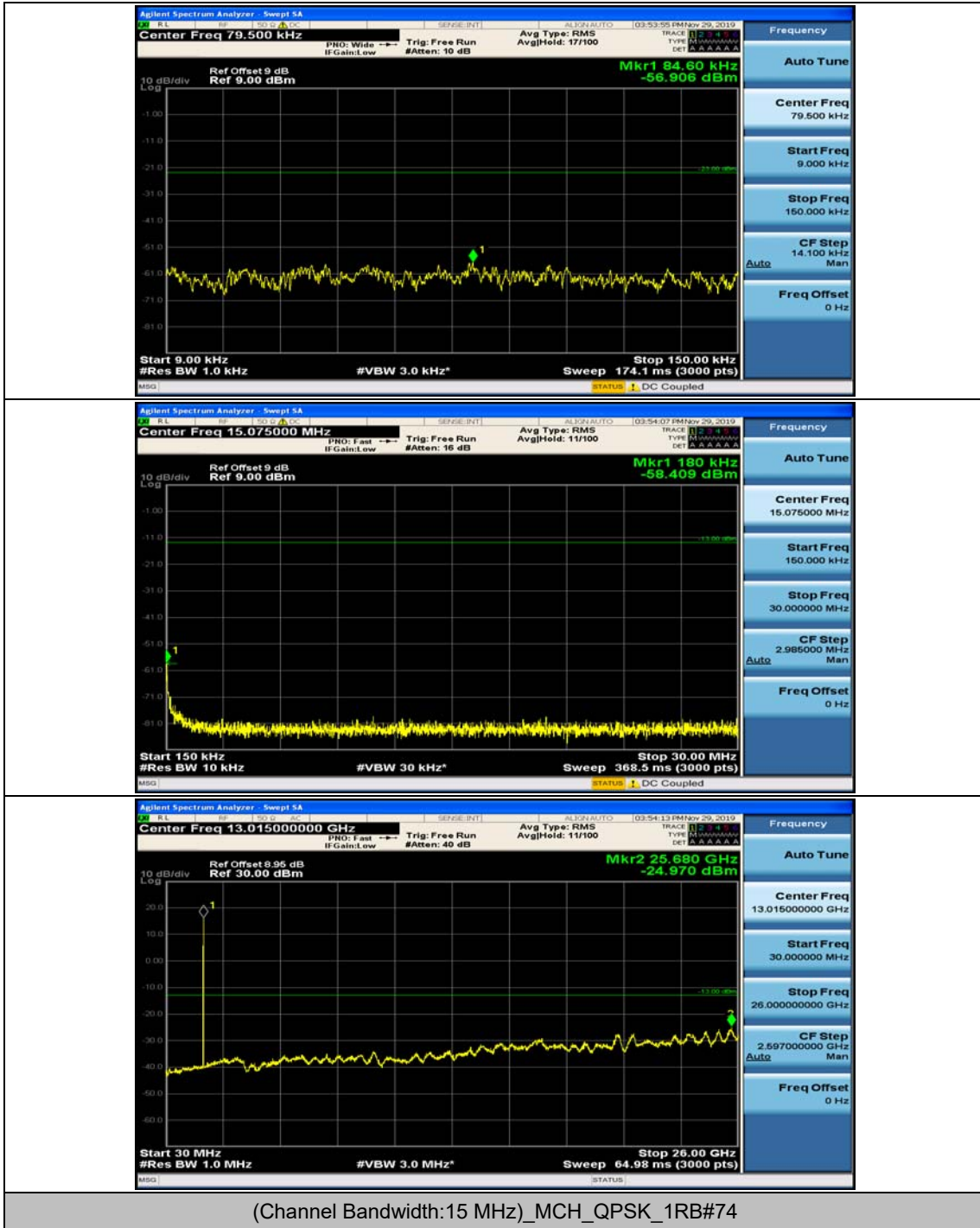
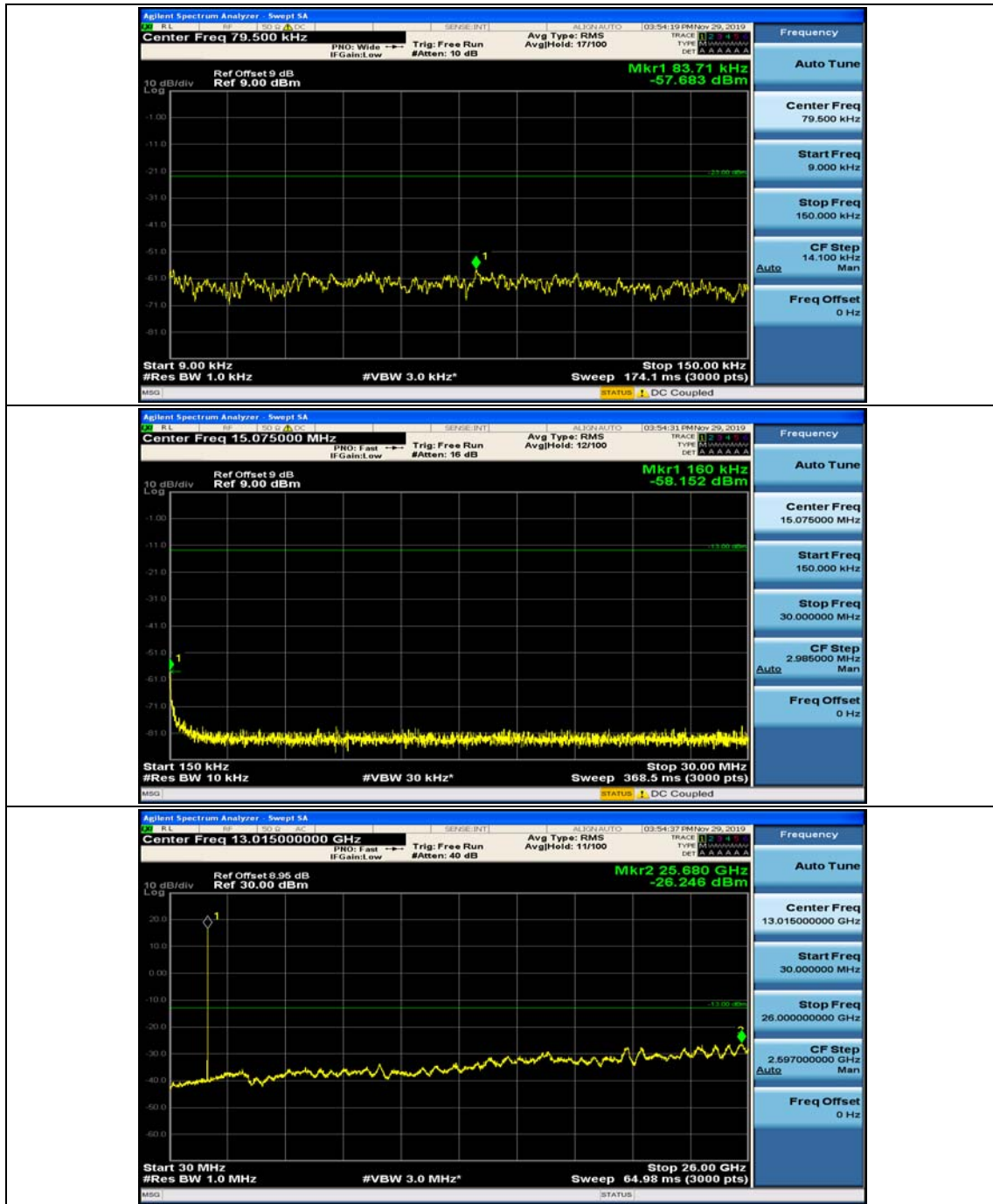


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

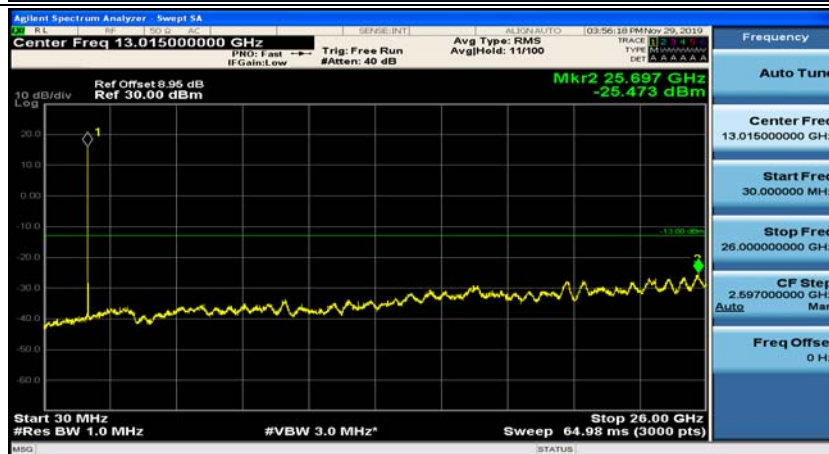
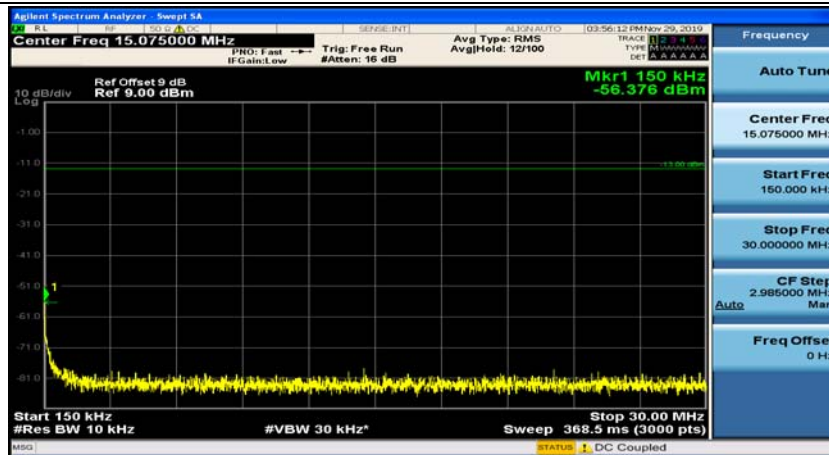
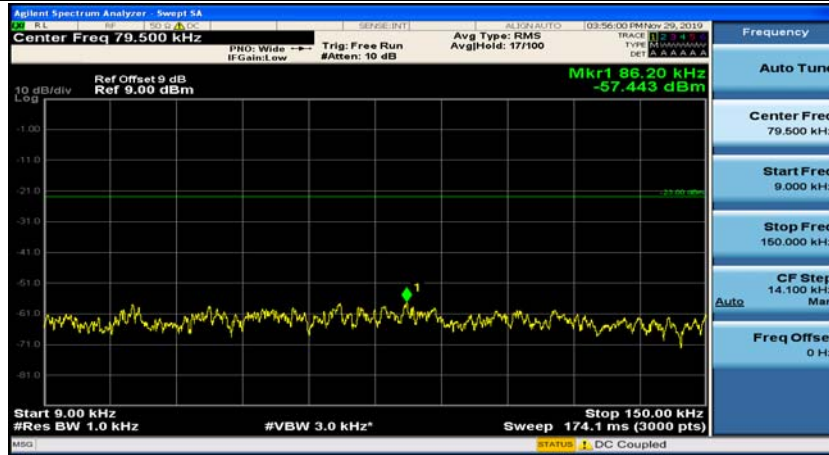


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

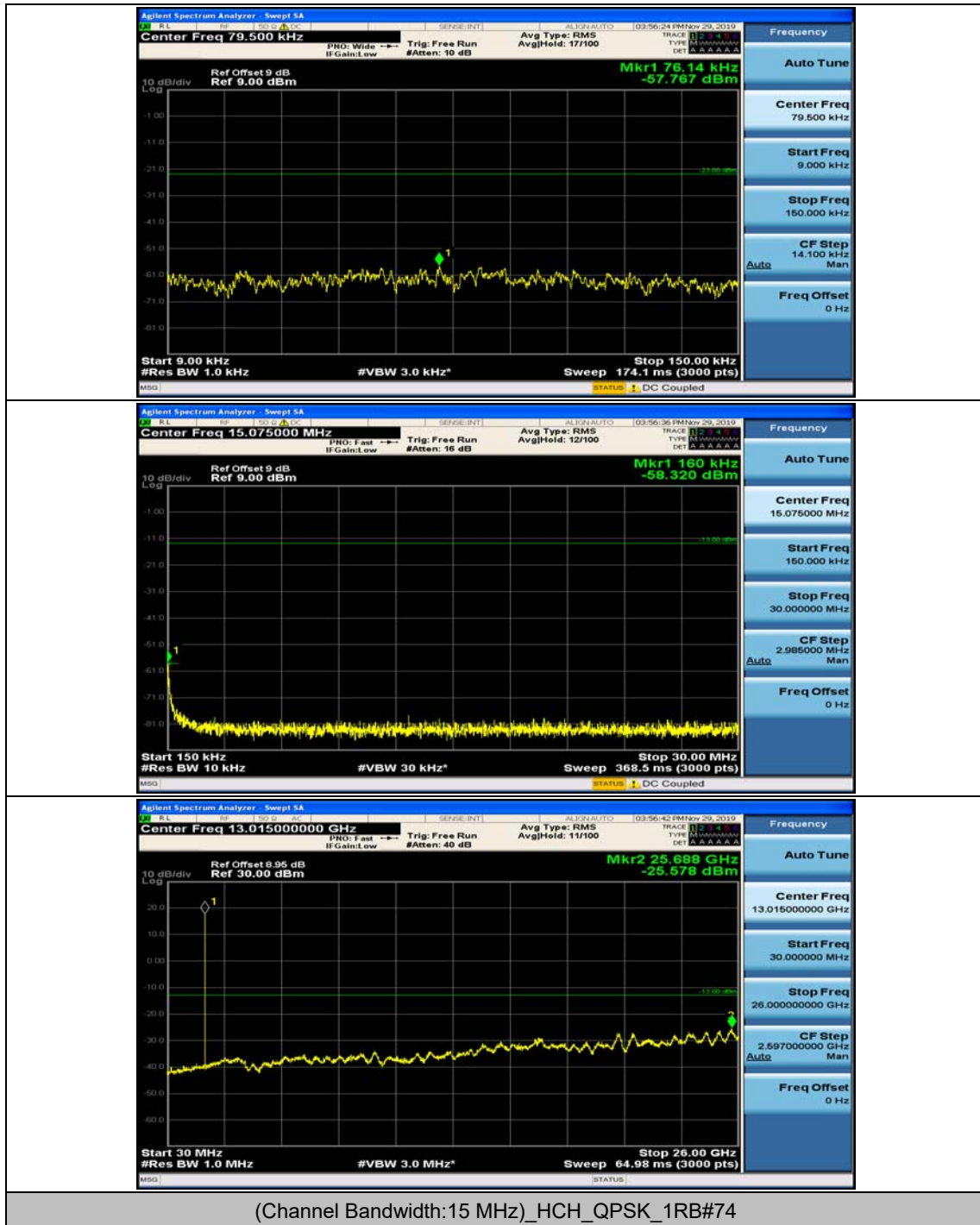


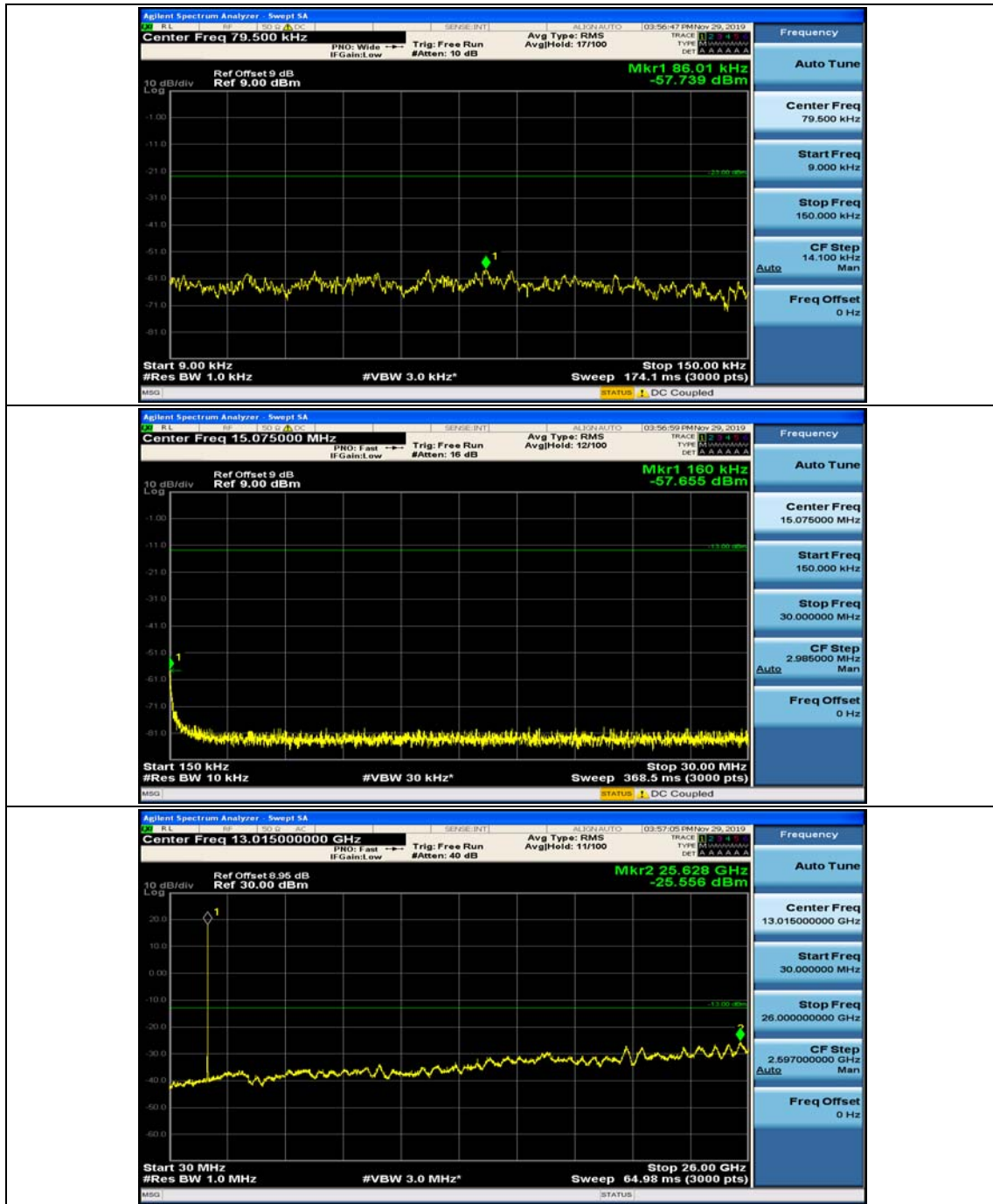


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

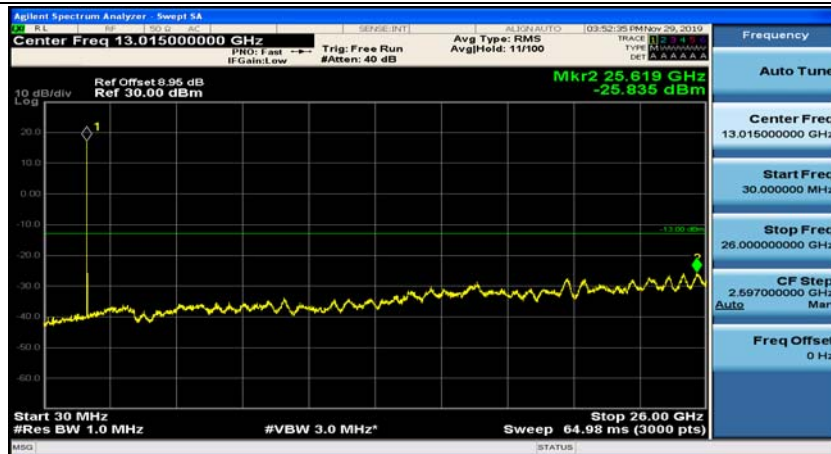
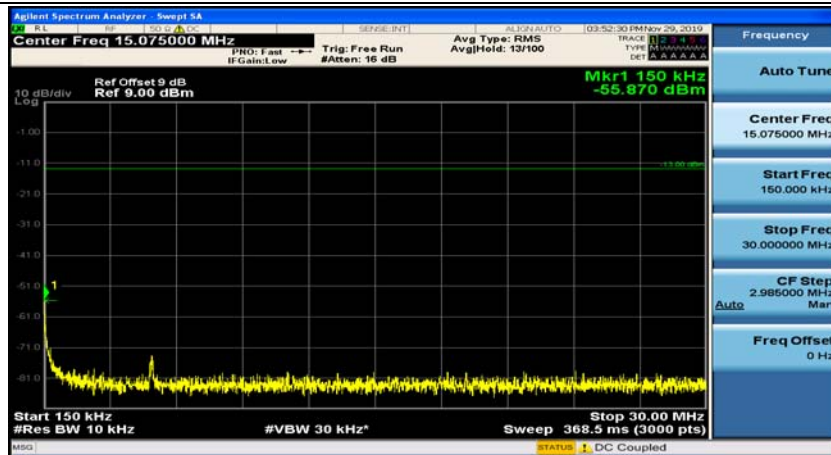
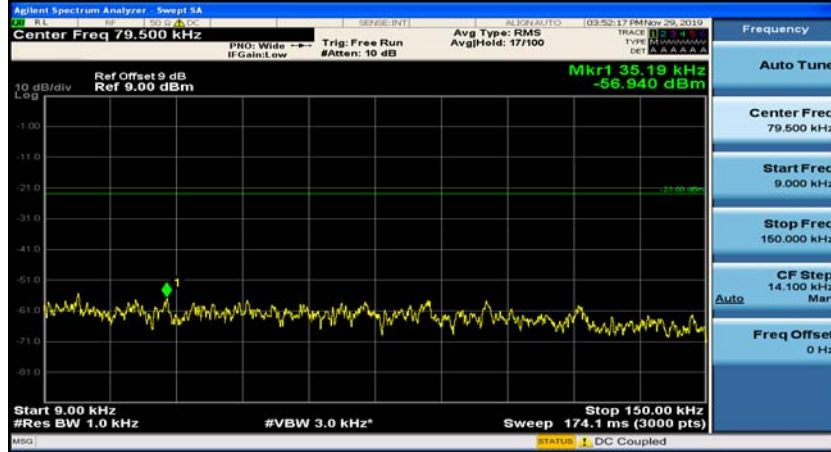


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

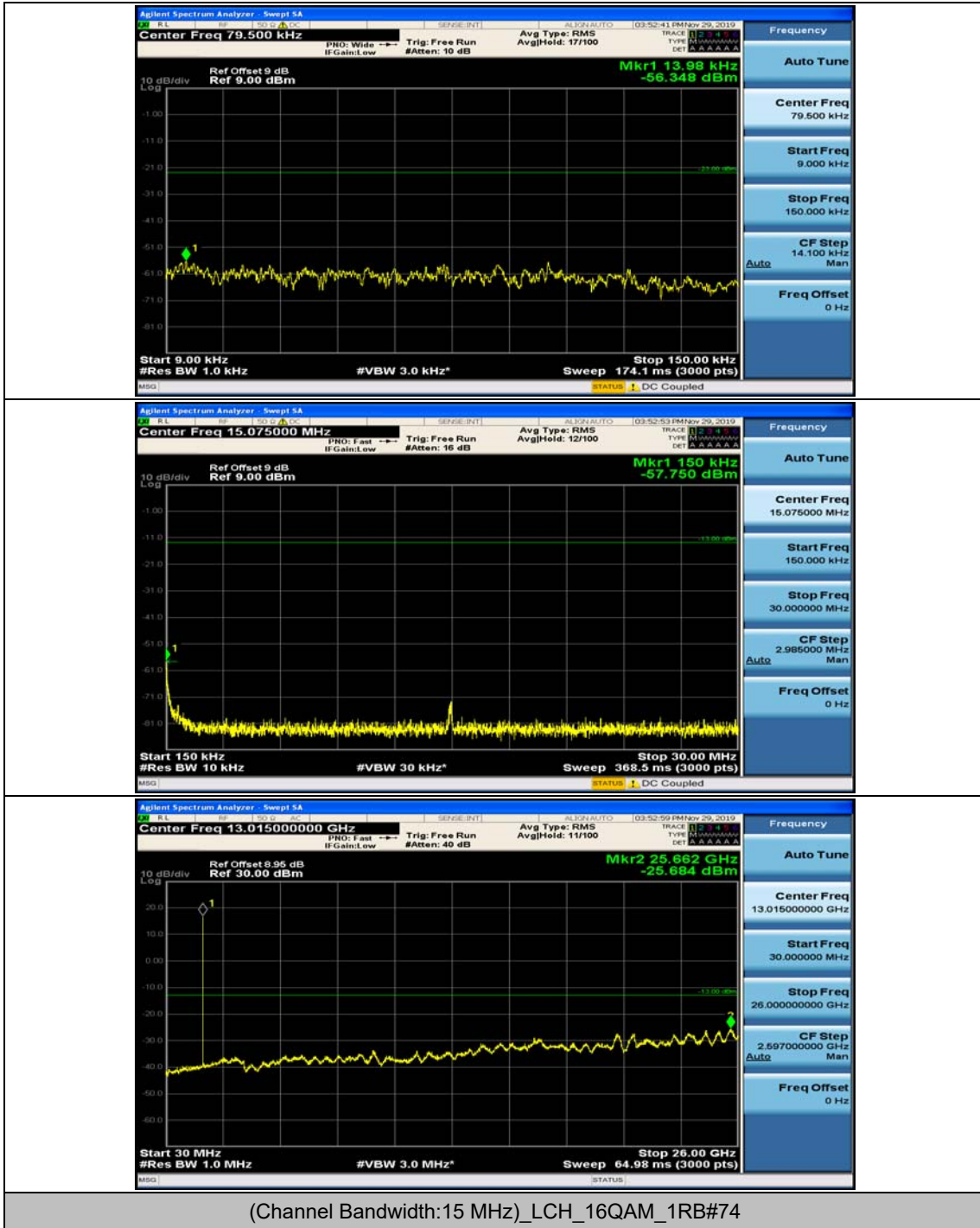


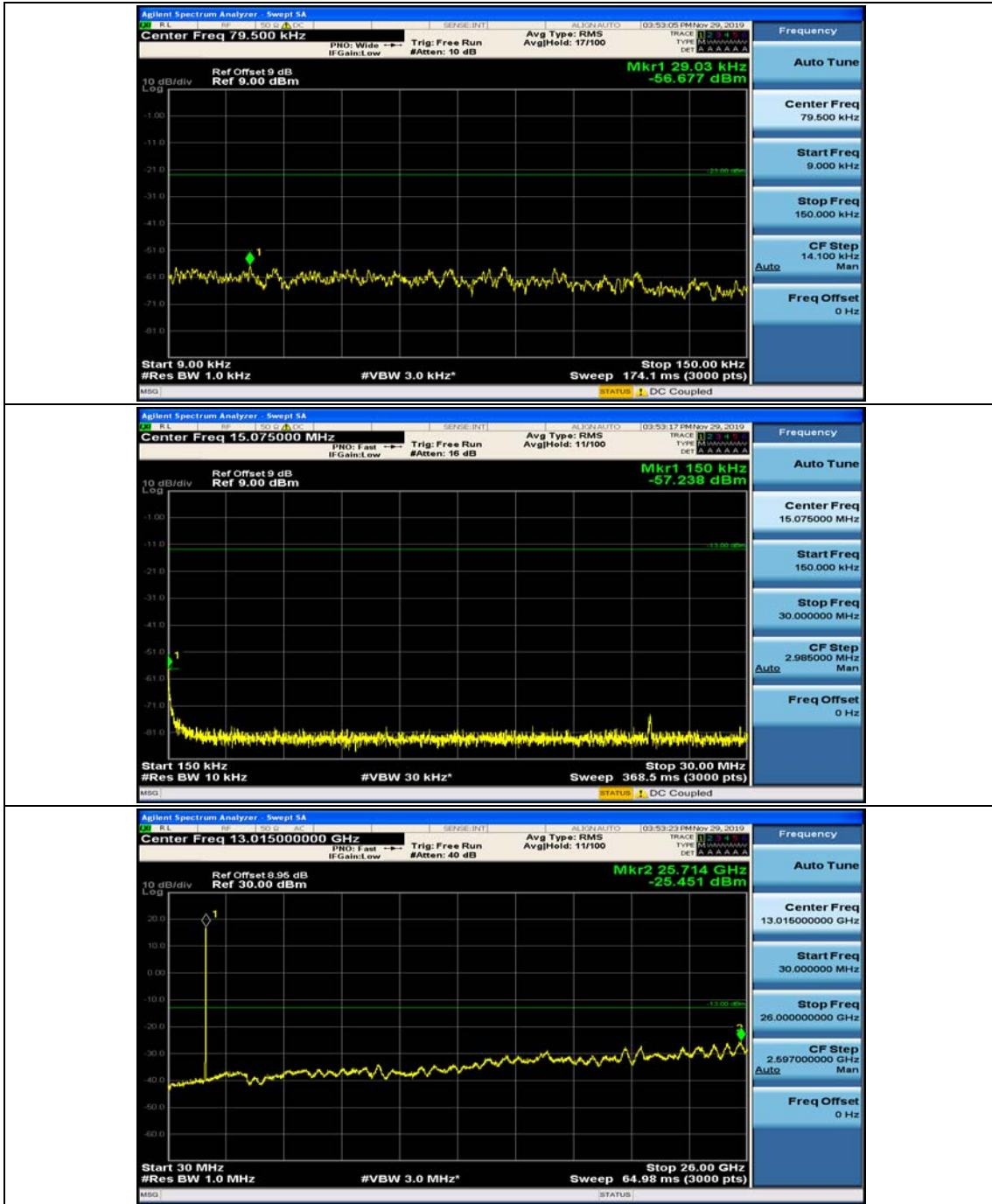


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

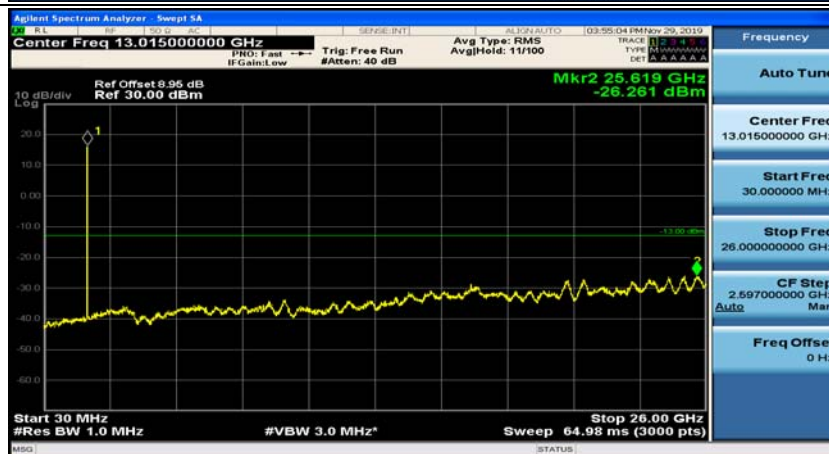
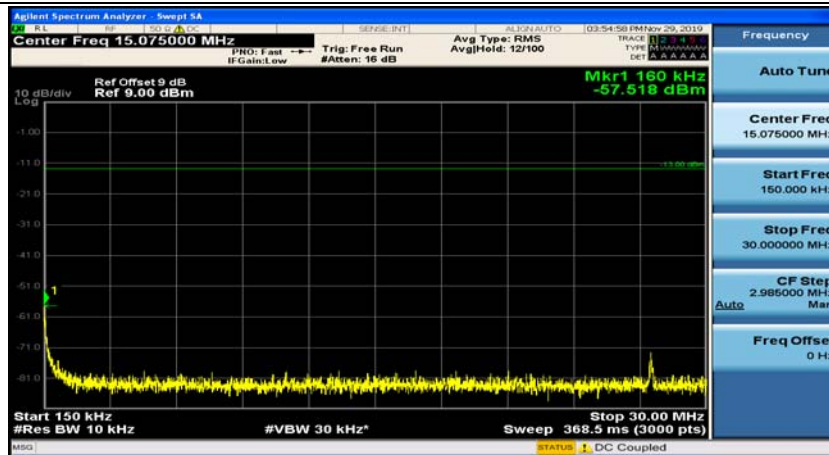
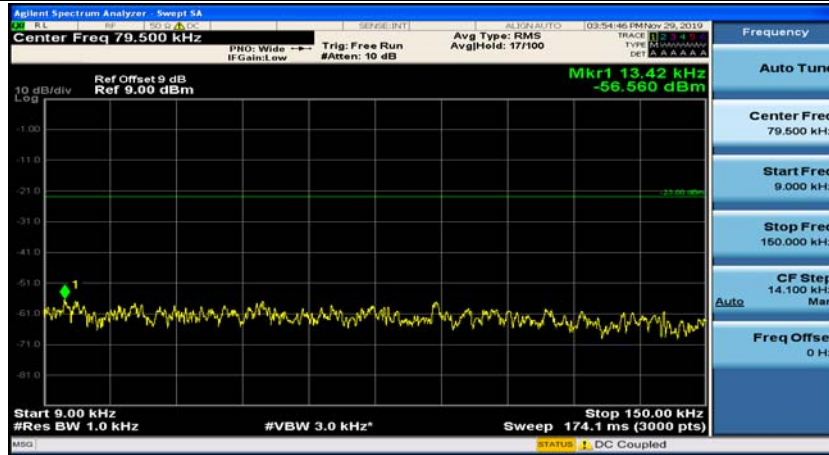


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

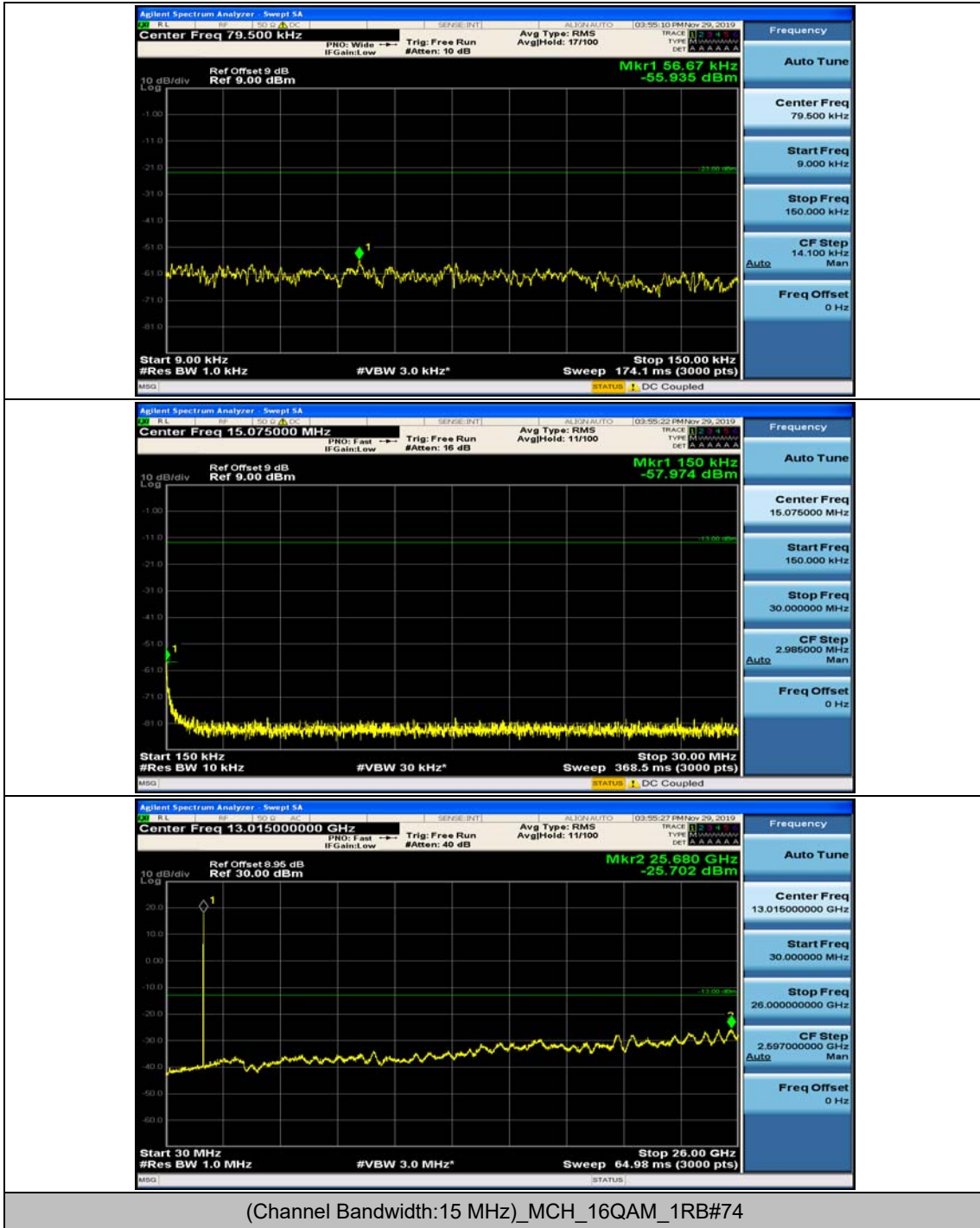


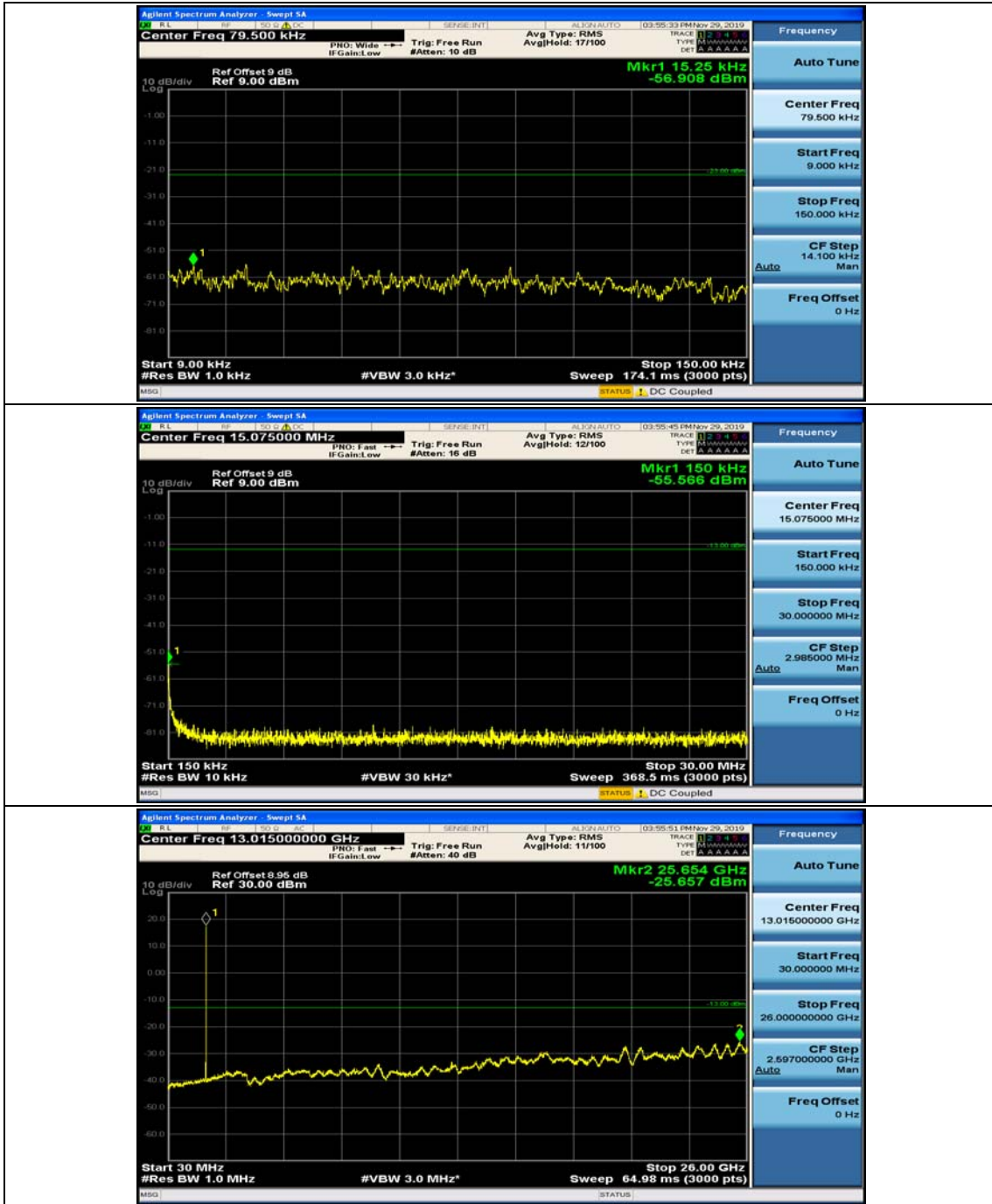


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

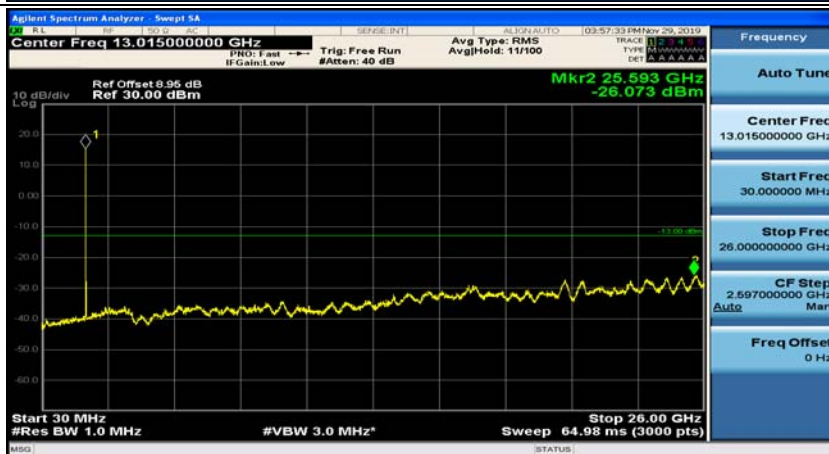
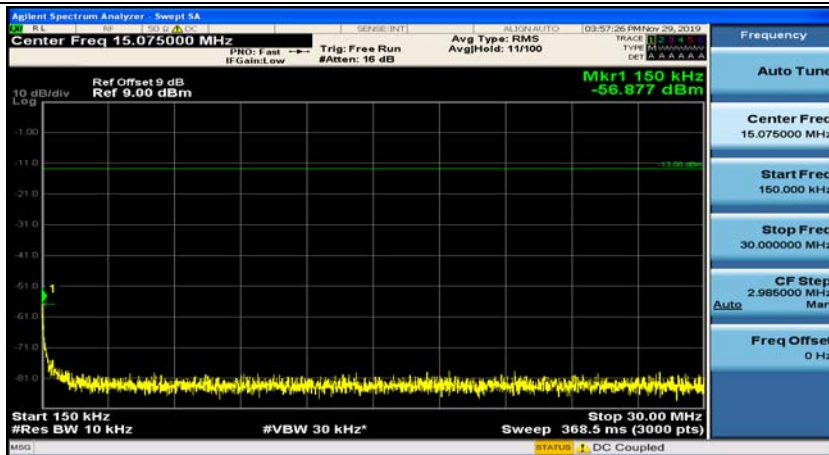


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

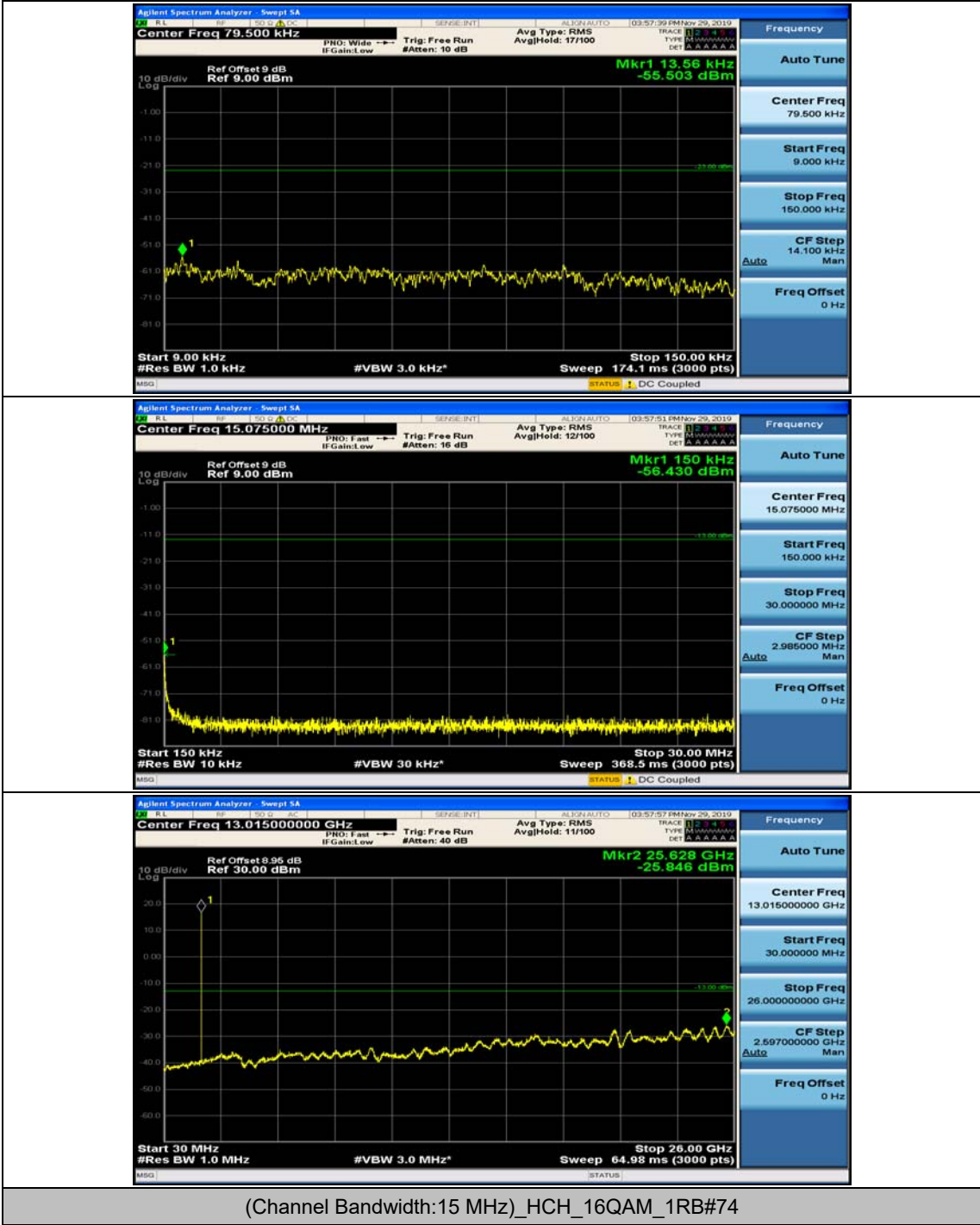


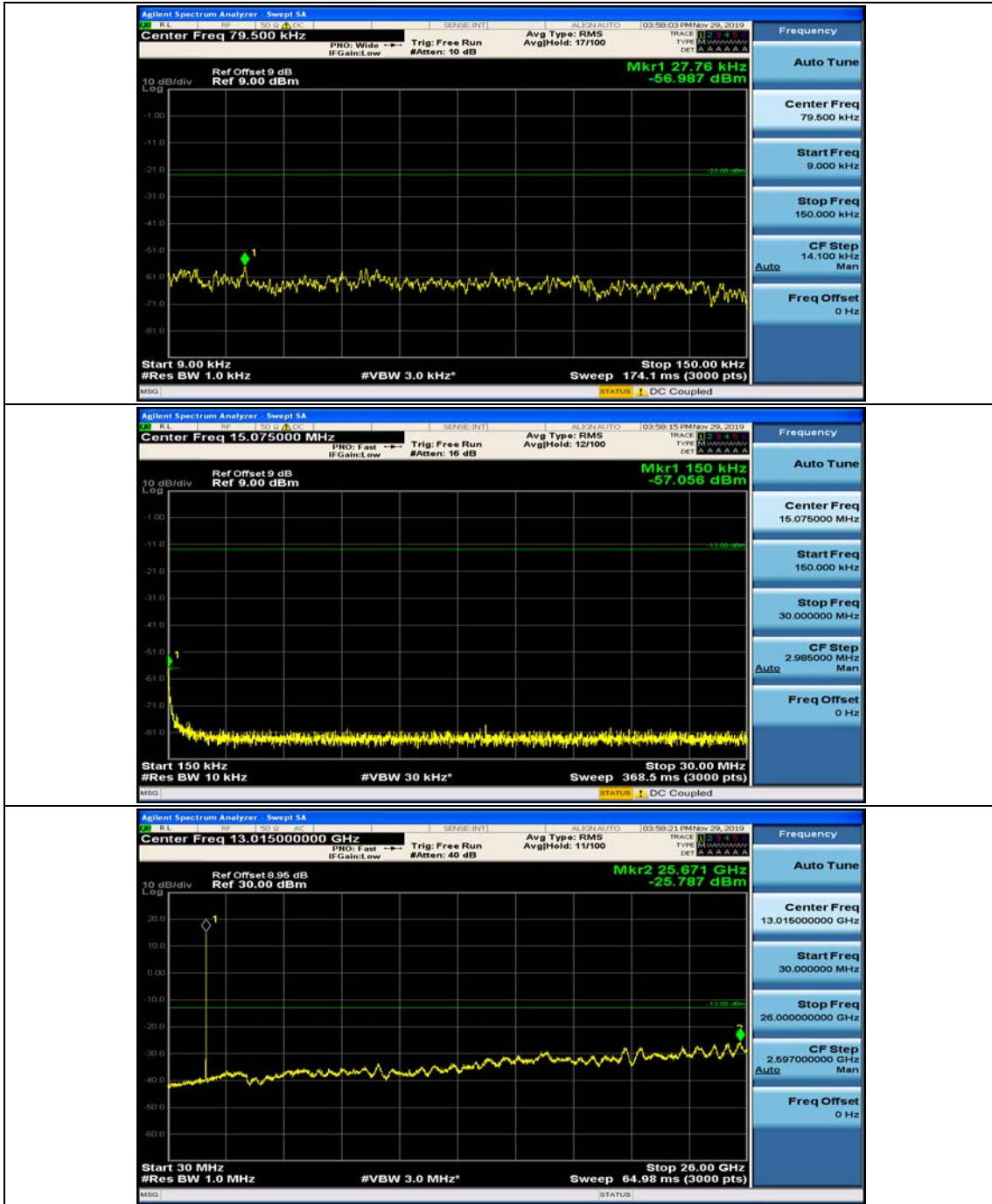


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

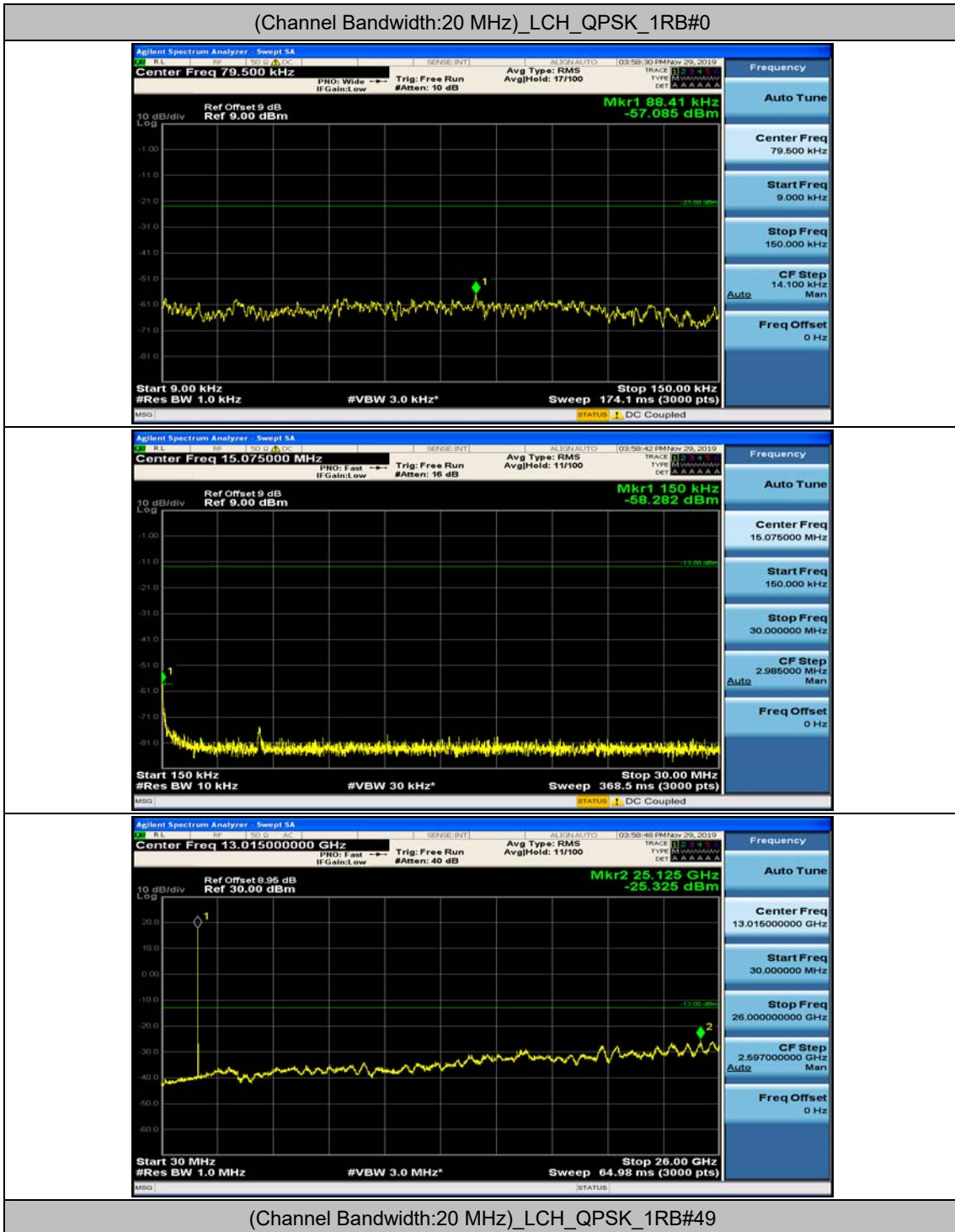


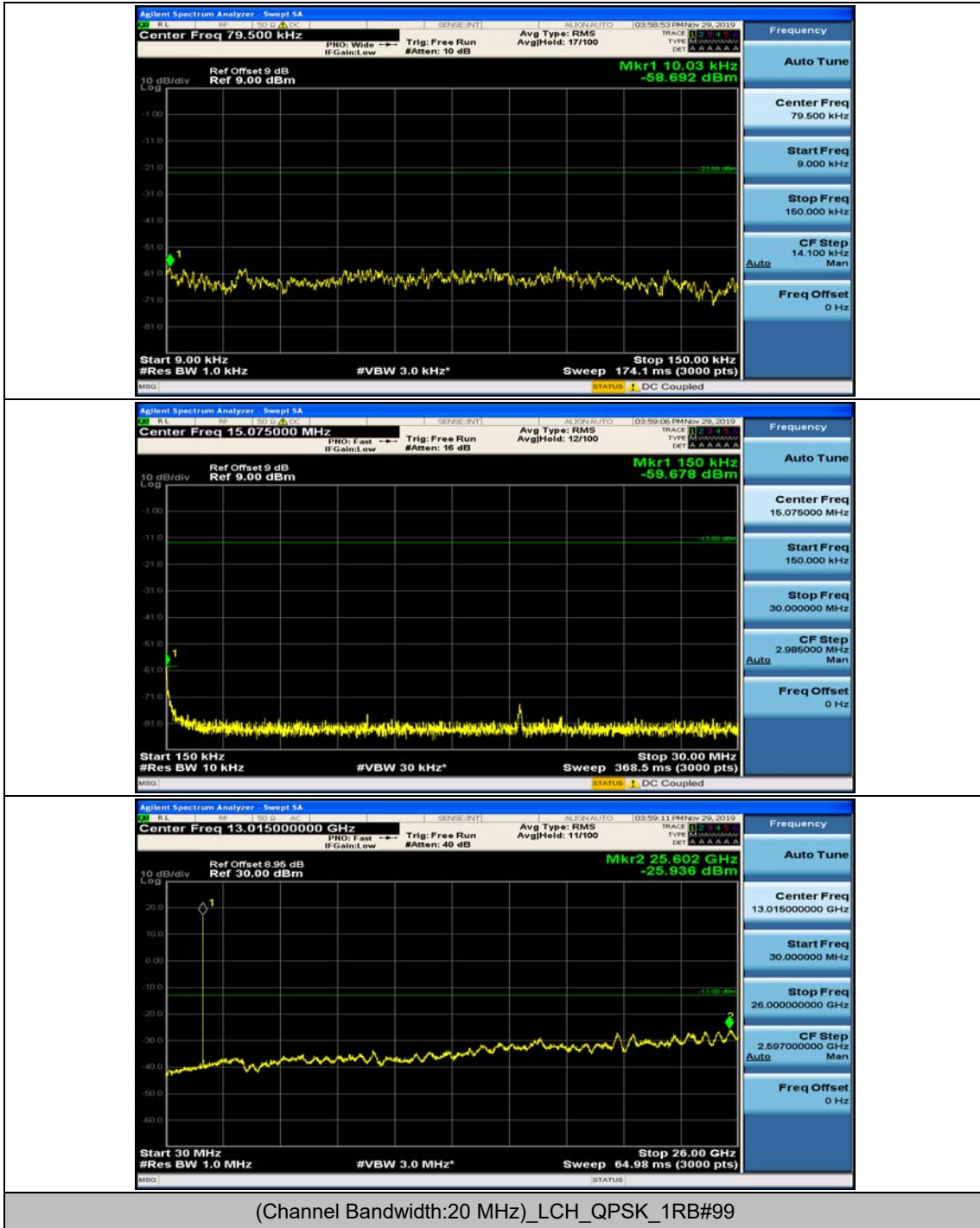
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

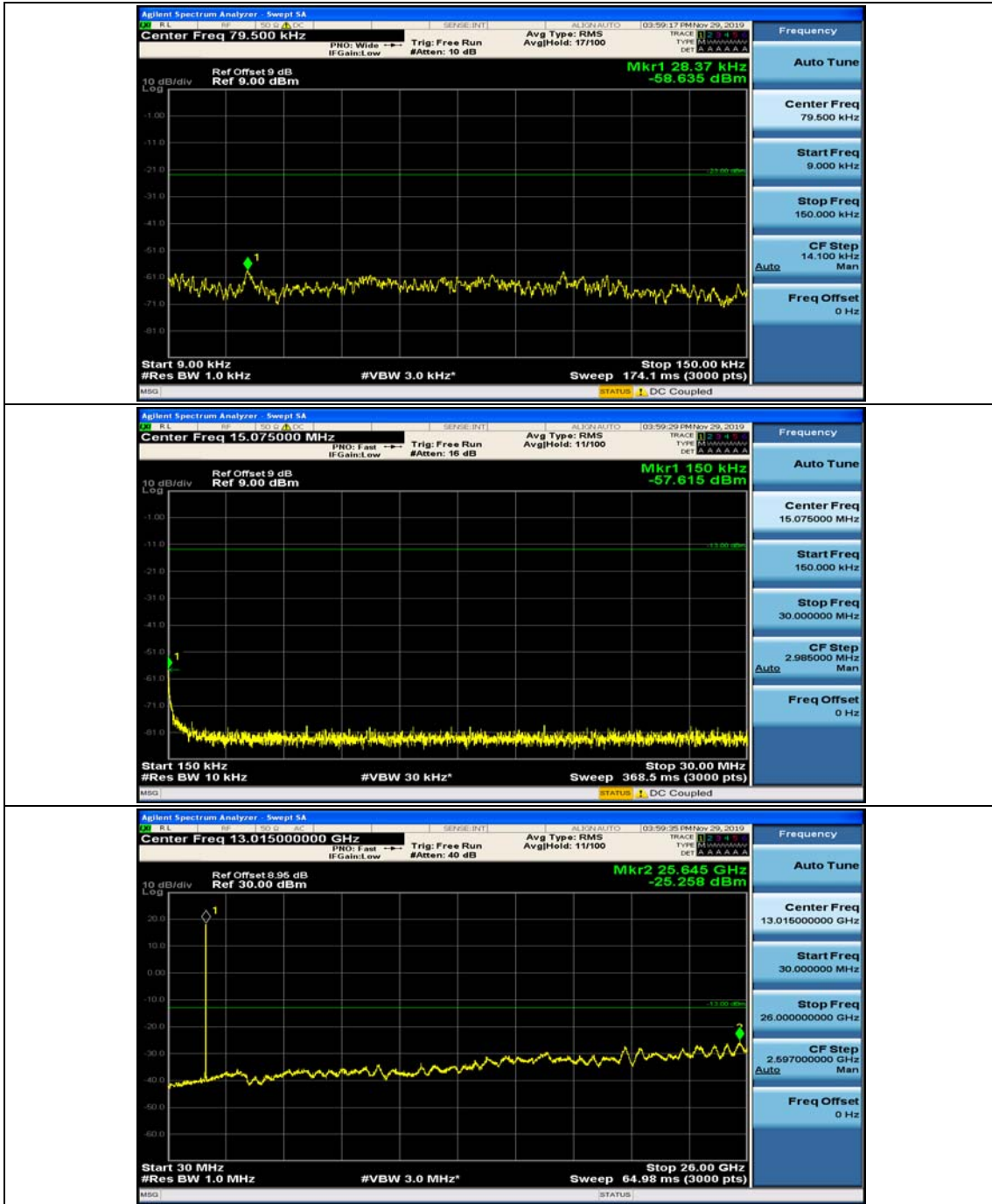




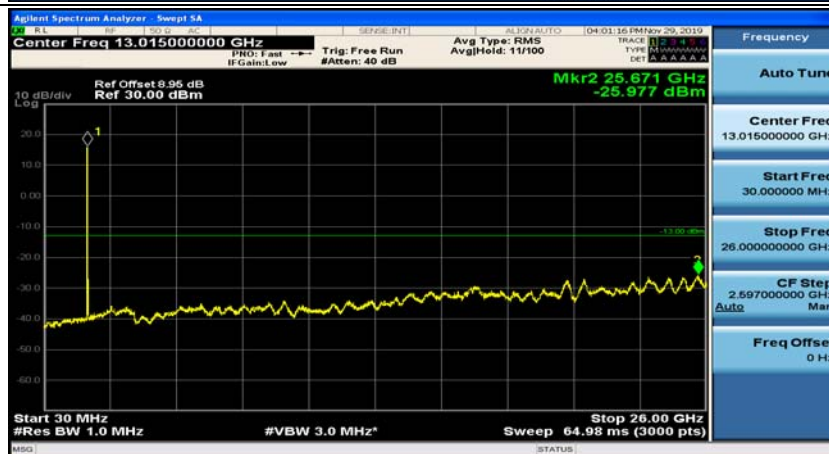
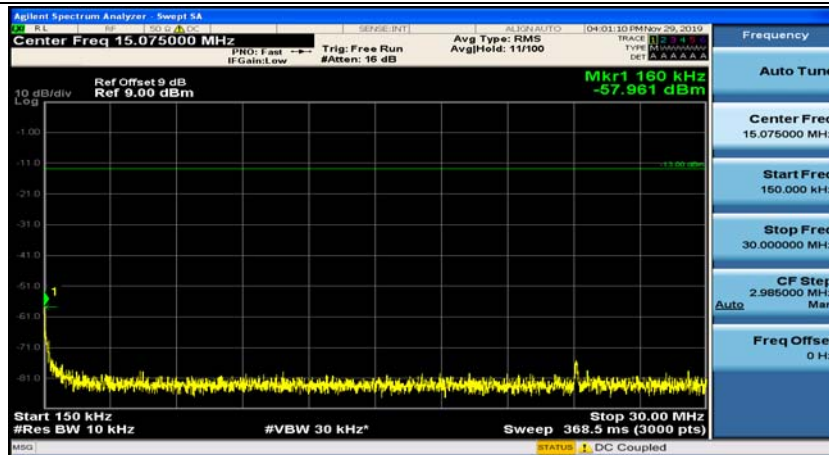
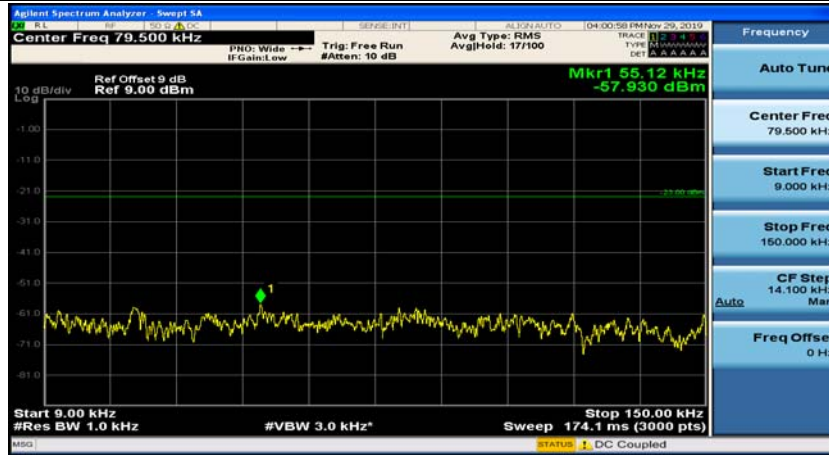
Channel Bandwidth: 20 MHz



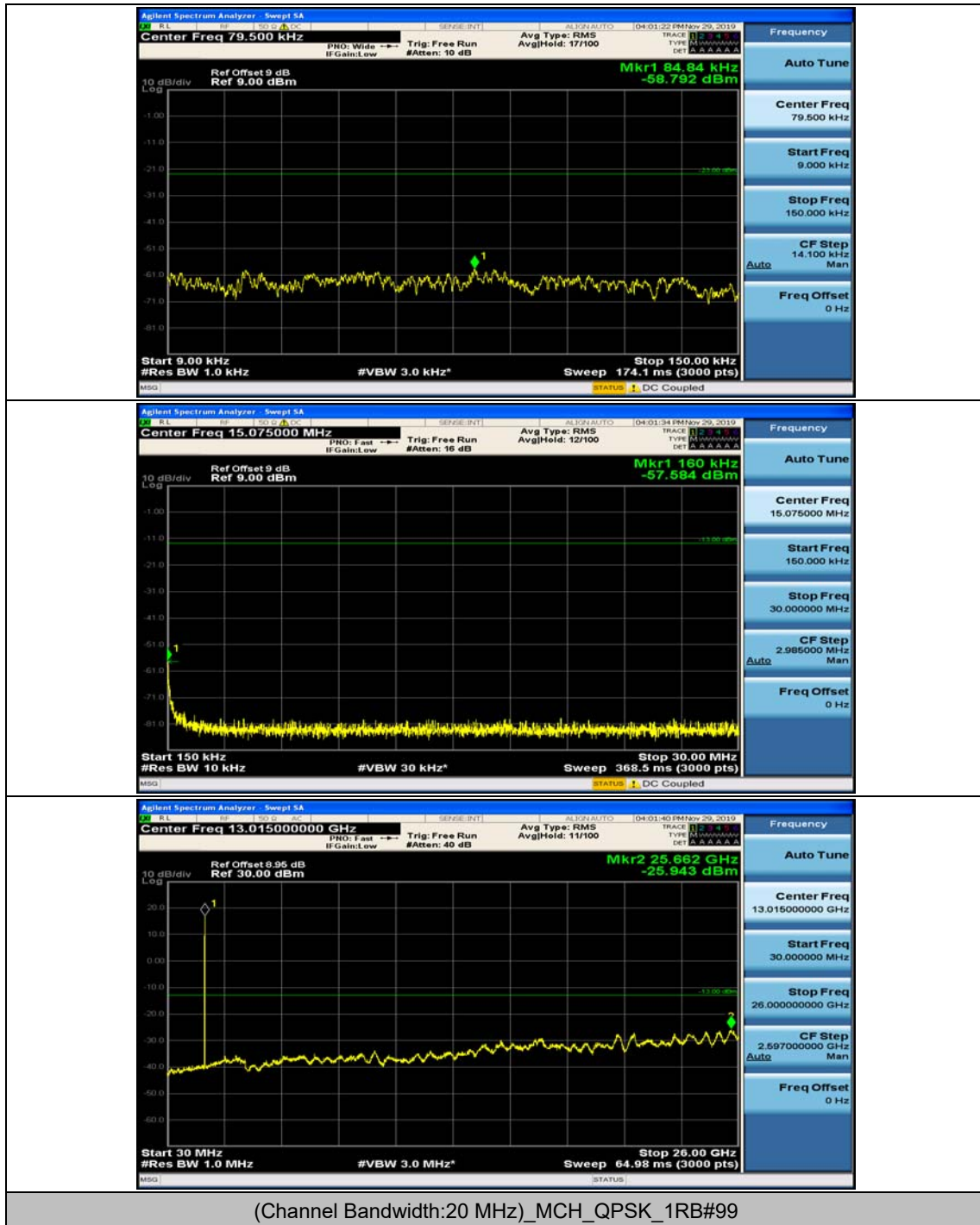


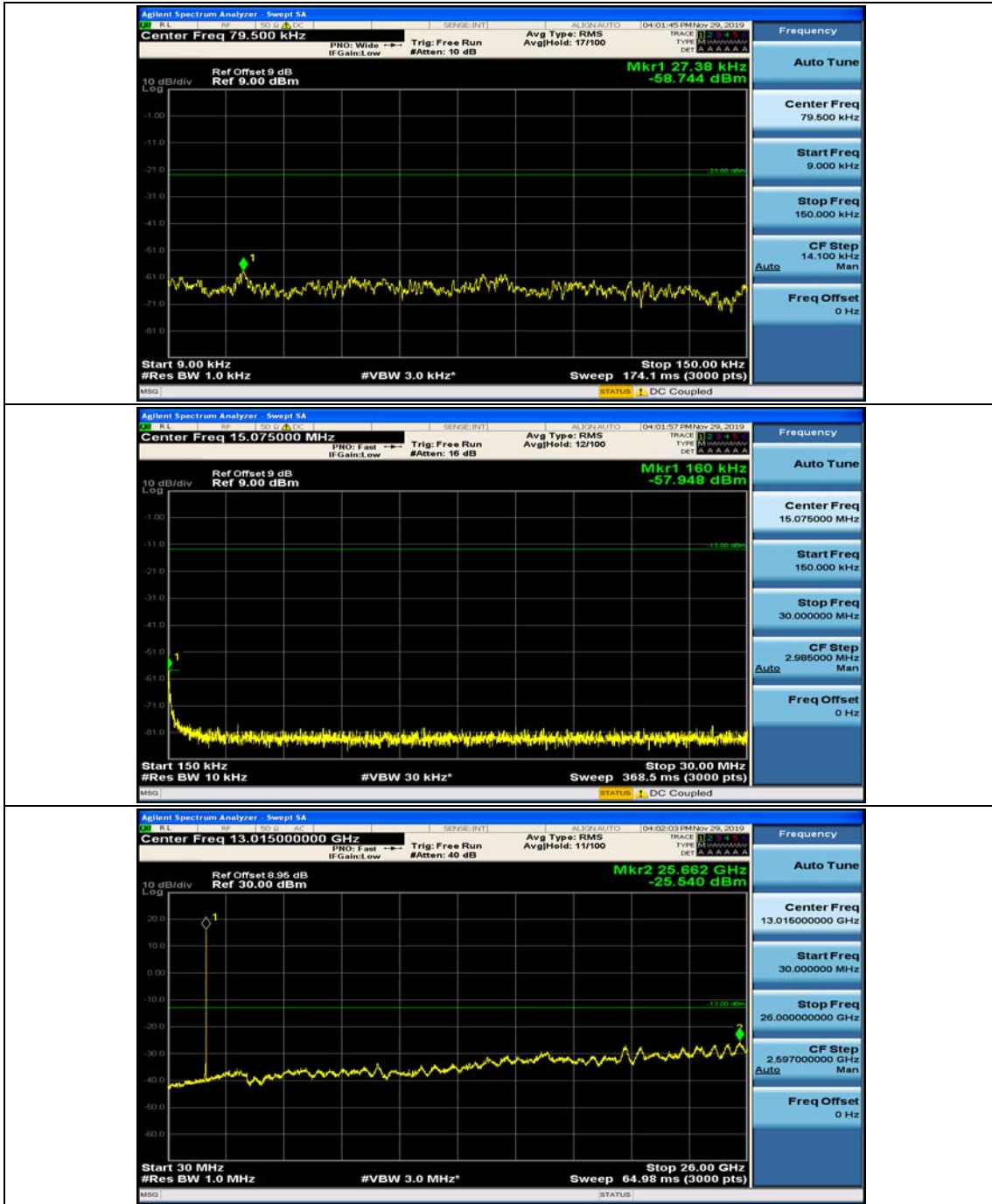


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

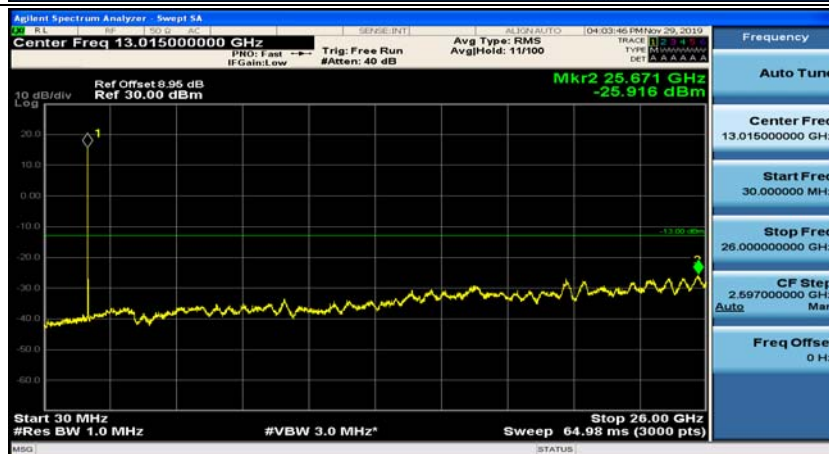
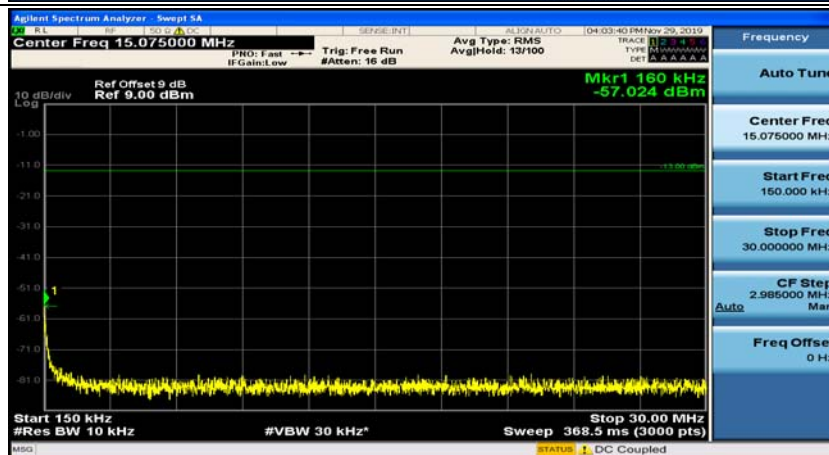
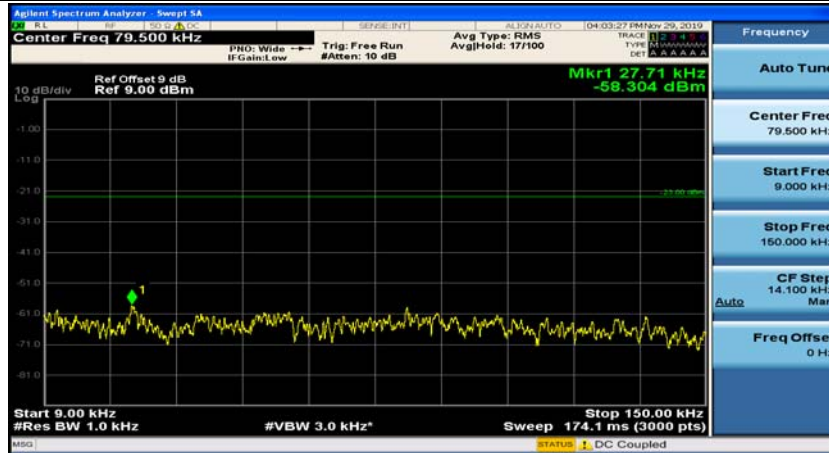


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

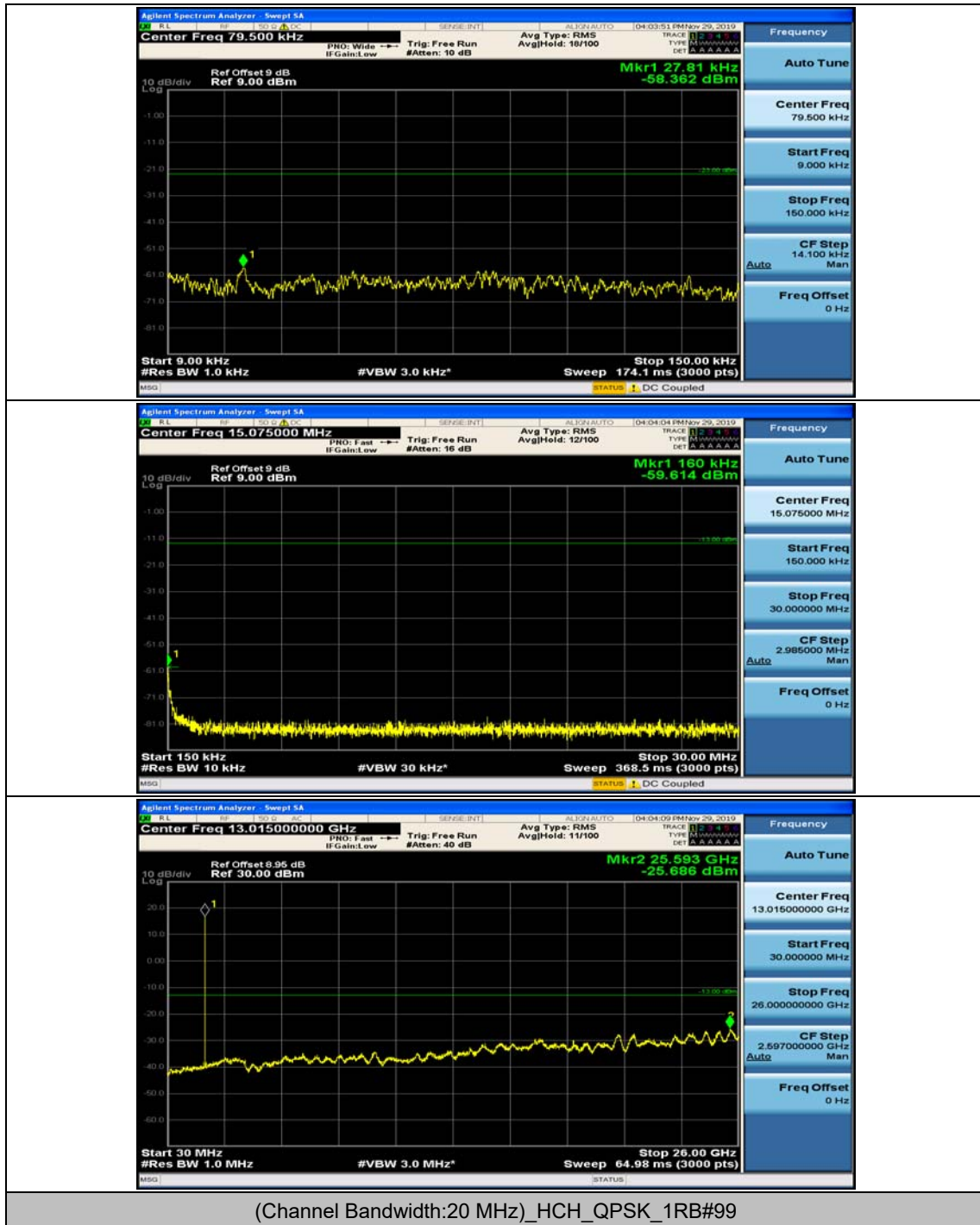


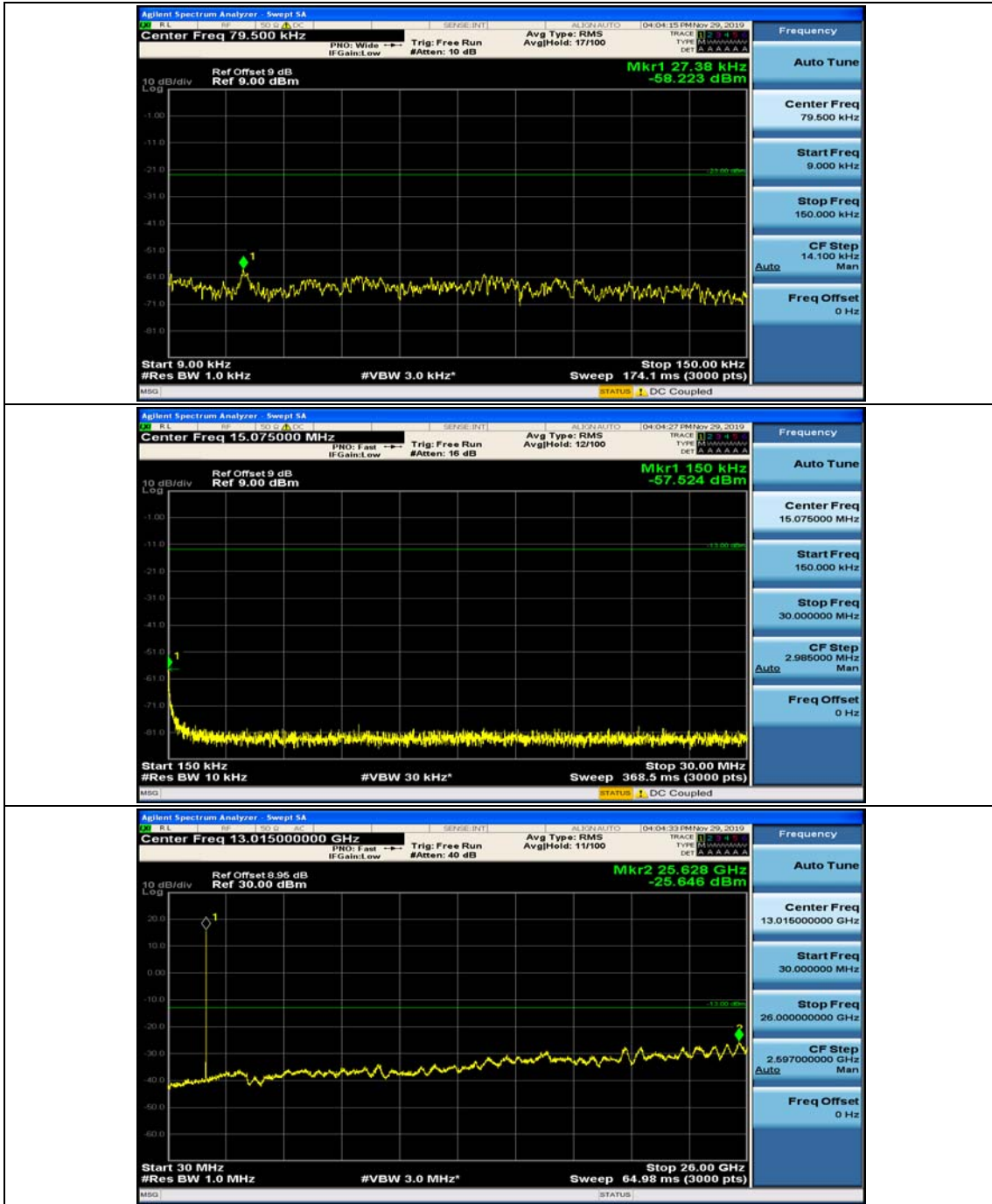


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

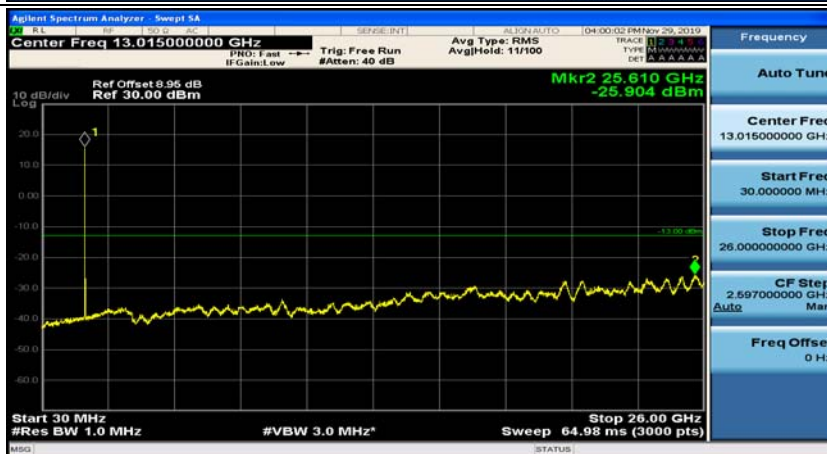
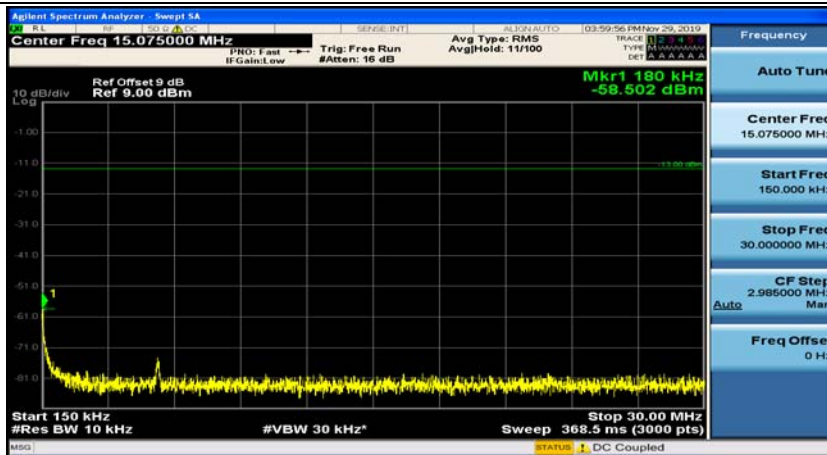
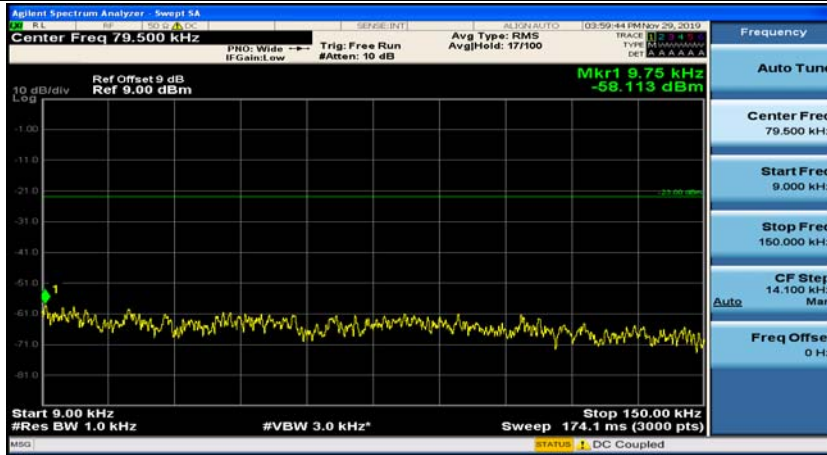


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

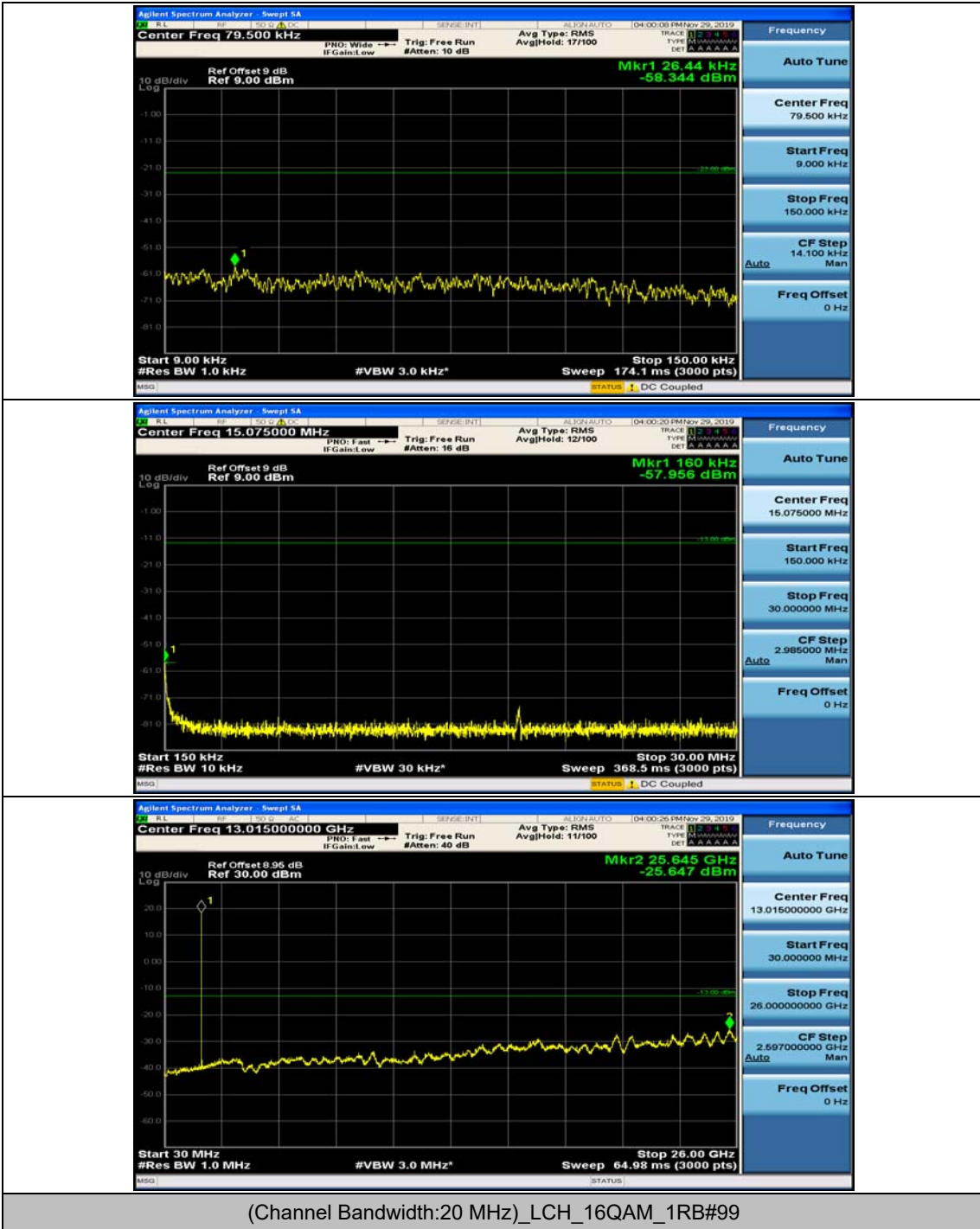


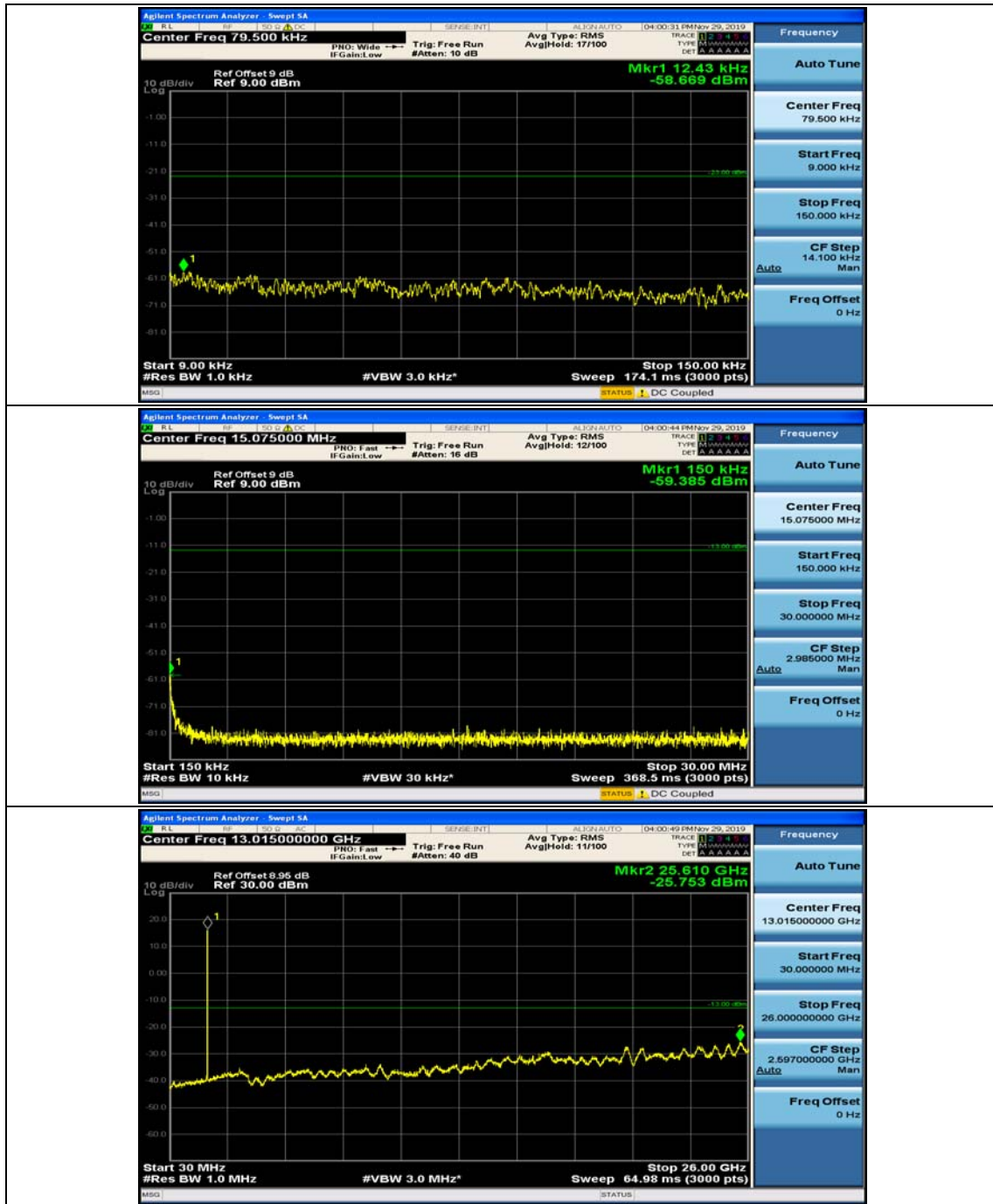


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

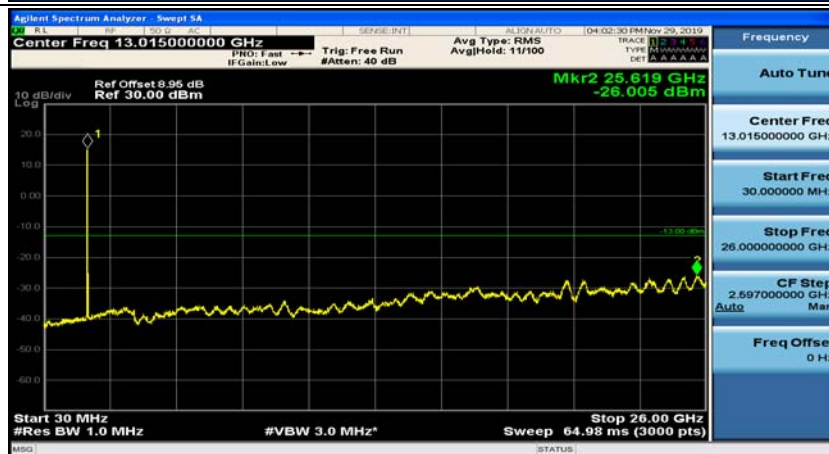
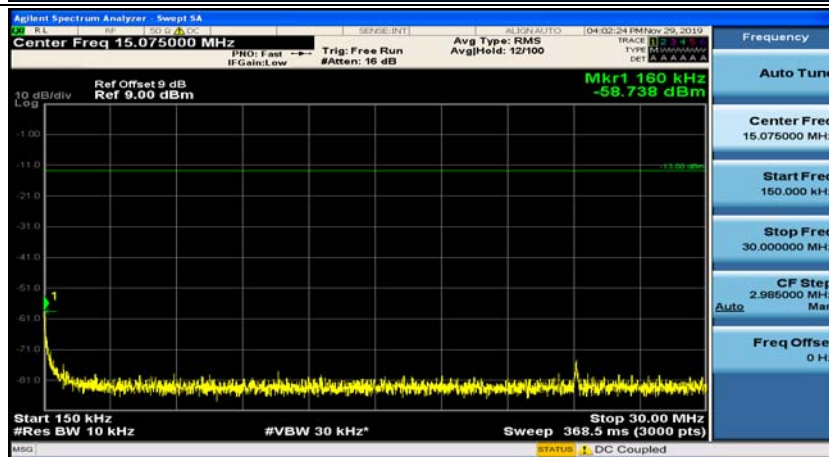
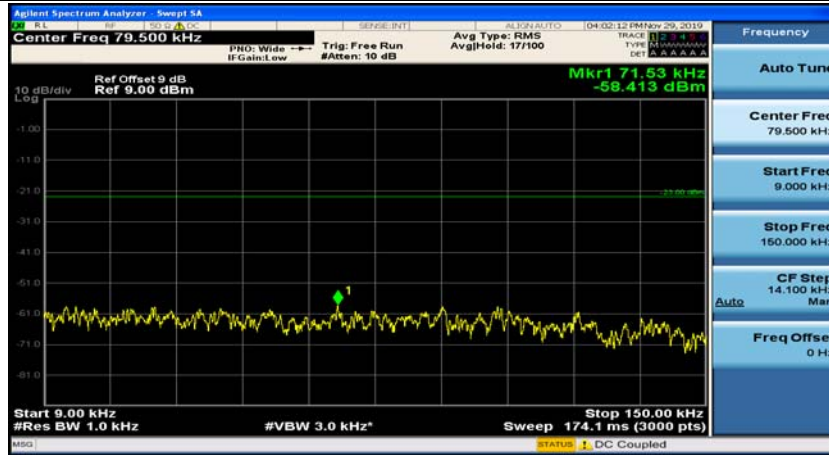


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

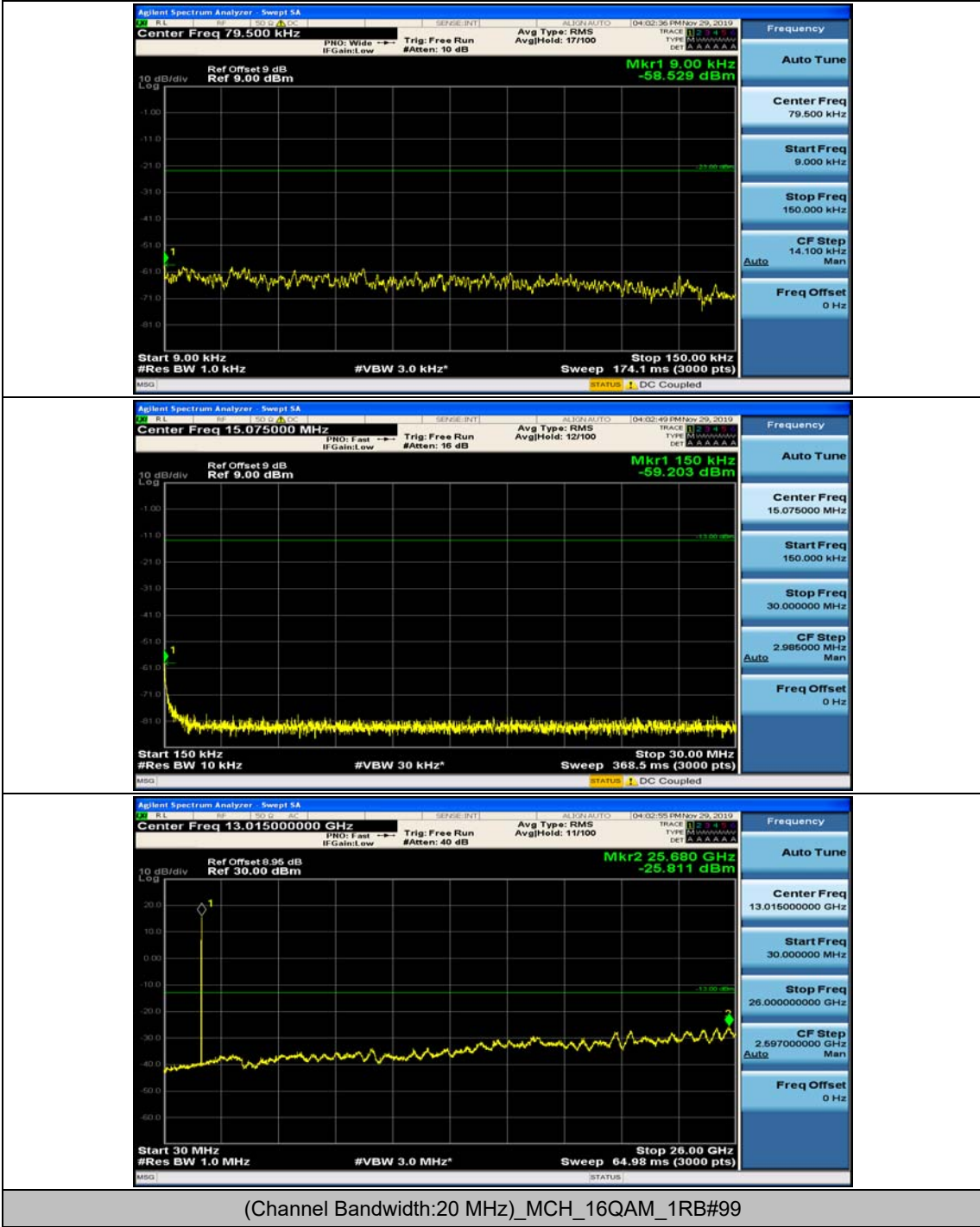


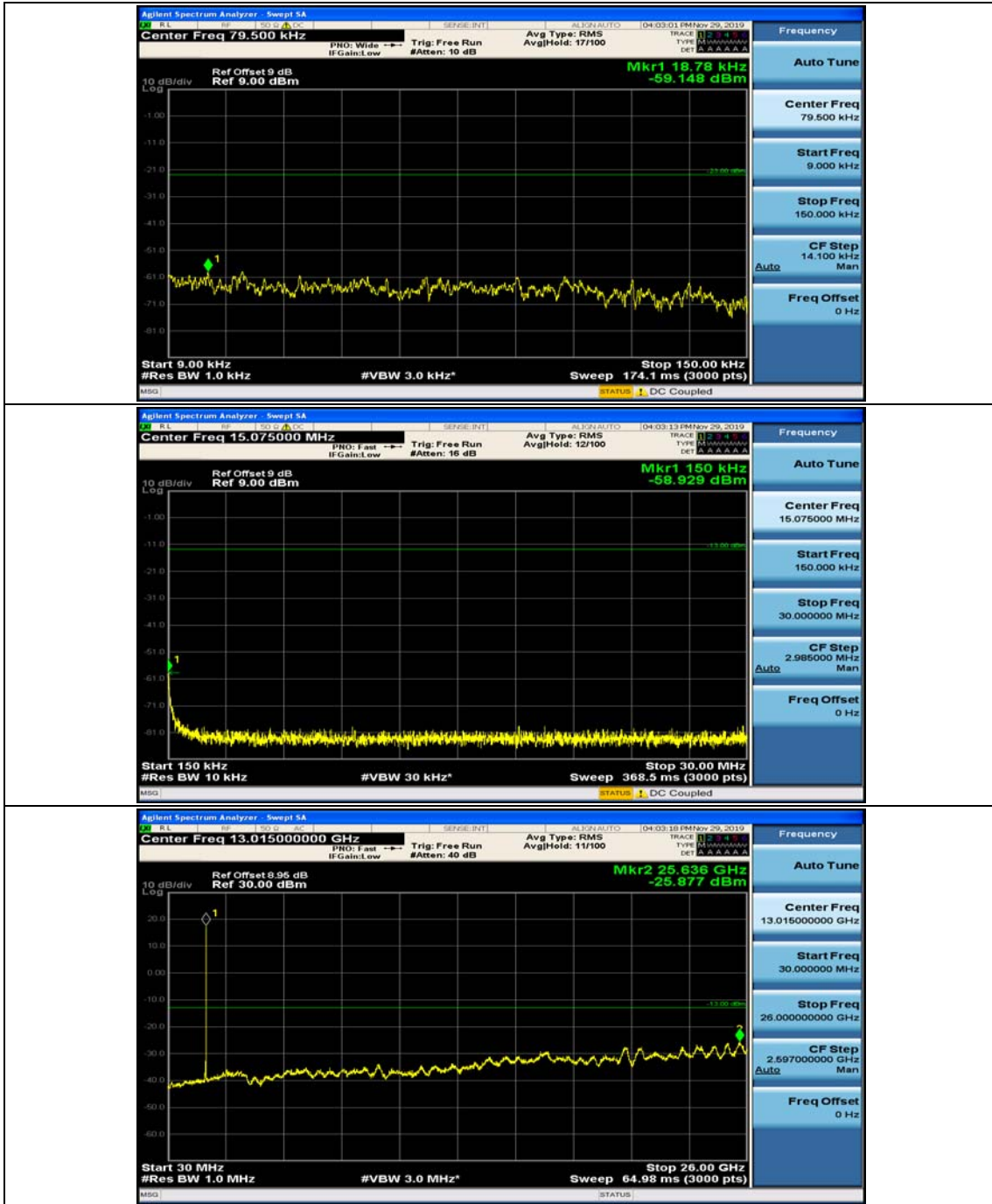


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

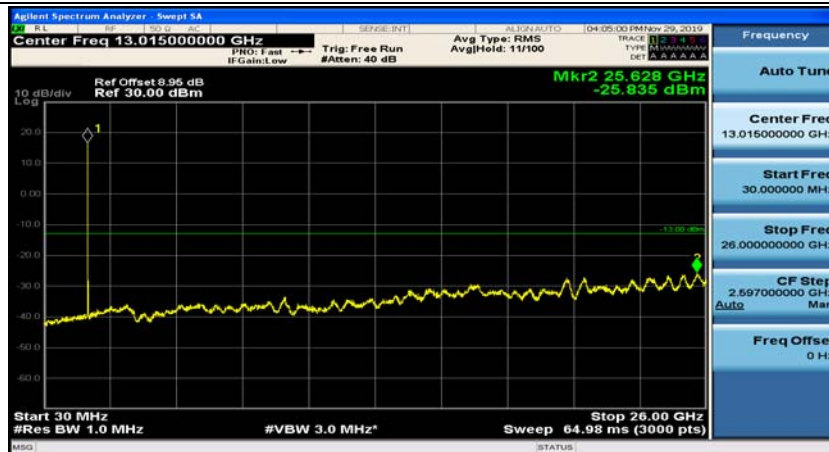
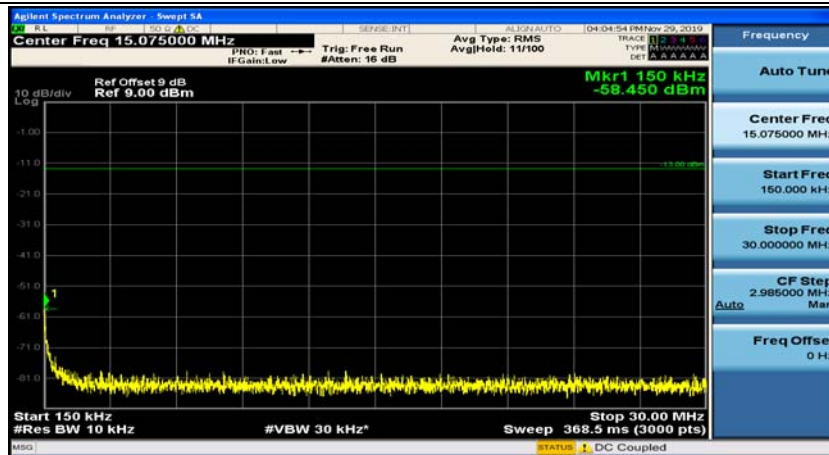
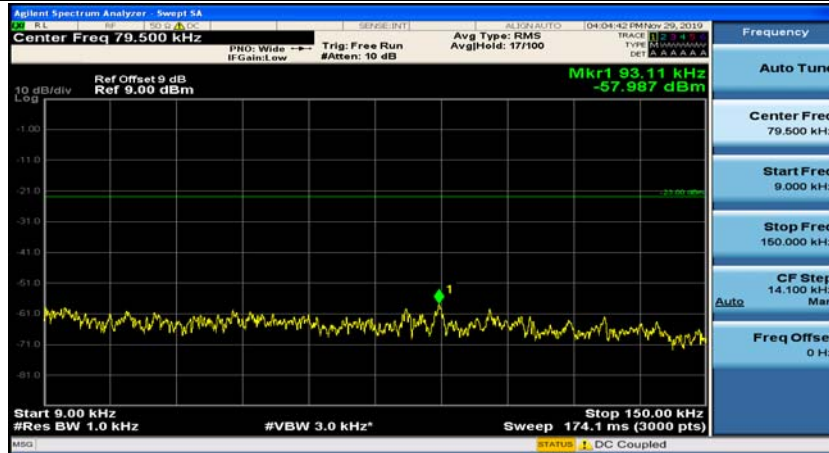


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

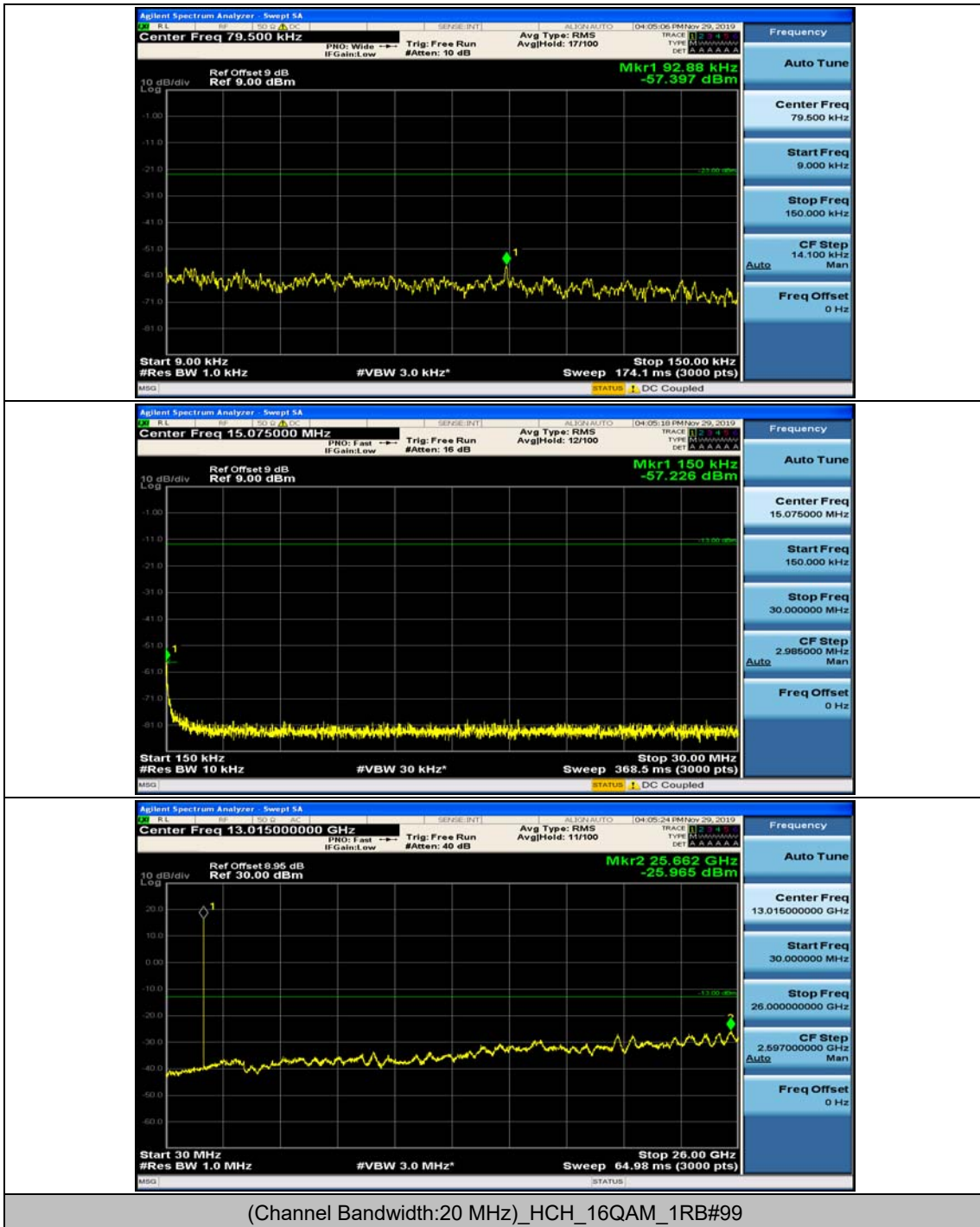


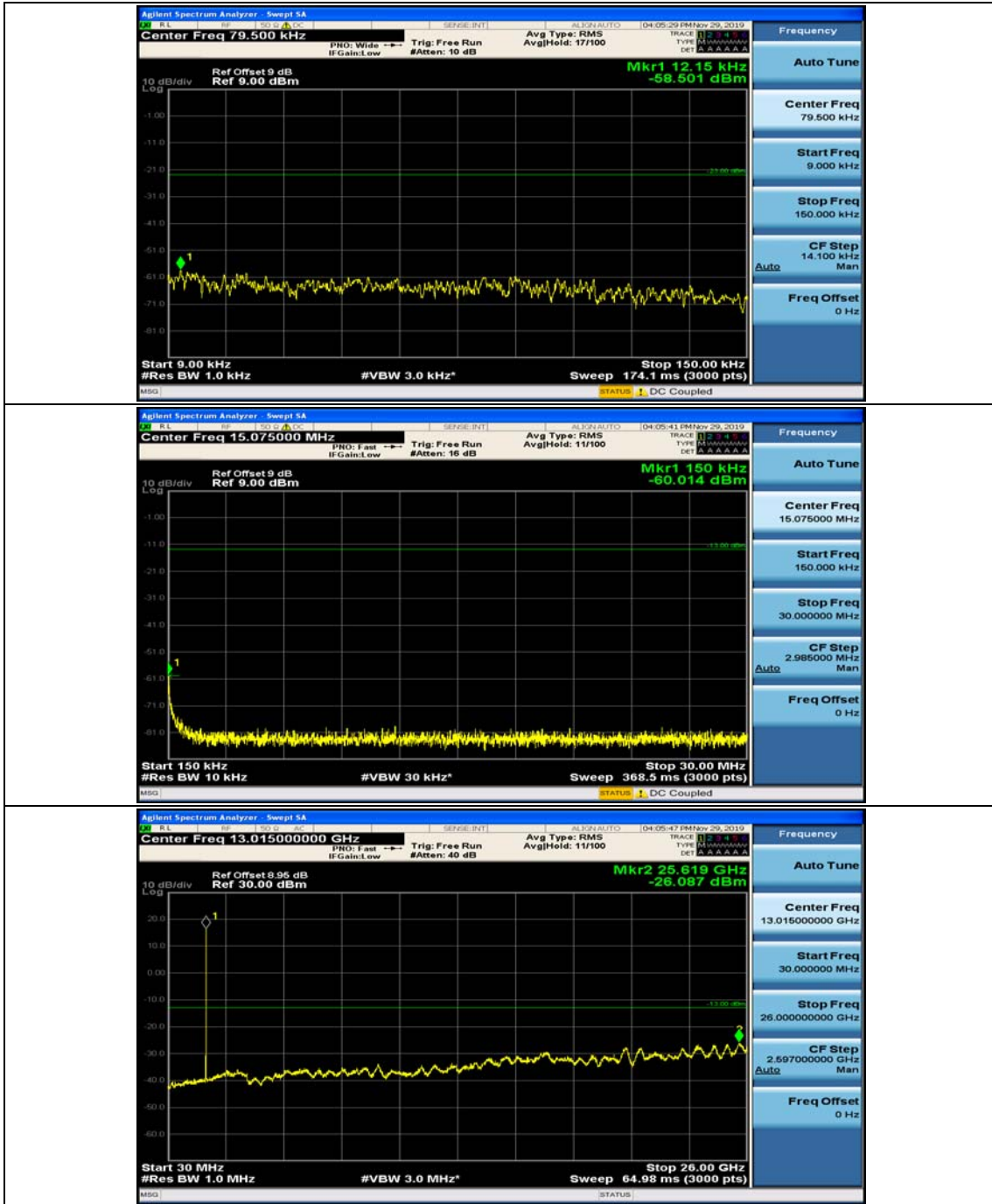


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	0.14	0.000082	± 2.5	PASS
		VN	TN	2.11	0.001233	± 2.5	PASS
		VH	TN	-0.78	-0.000456	± 2.5	PASS
	MCH	VL	TN	3.35	0.001934	± 2.5	PASS
		VN	TN	-1.29	-0.000745	± 2.5	PASS
		VH	TN	-0.03	-0.000017	± 2.5	PASS
	HCH	VL	TN	4.51	0.002571	± 2.5	PASS
		VN	TN	3.03	0.001727	± 2.5	PASS
		VH	TN	3.41	0.001944	± 2.5	PASS
16QAM	LCH	VL	TN	3.38	0.001976	± 2.5	PASS
		VN	TN	4.18	0.002443	± 2.5	PASS
		VH	TN	-1.57	-0.000918	± 2.5	PASS
	MCH	VL	TN	2.3	0.001328	± 2.5	PASS
		VN	TN	3.26	0.001882	± 2.5	PASS
		VH	TN	2.13	0.001229	± 2.5	PASS
	HCH	VL	TN	3.39	0.001932	± 2.5	PASS
		VN	TN	3.81	0.002172	± 2.5	PASS
		VH	TN	-0.12	-0.000068	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.55	0.000906	± 2.5	PASS
		VN	-20	-1.94	-0.001134	± 2.5	PASS
		VN	-10	1.19	0.000696	± 2.5	PASS
		VN	0	-0.58	-0.000339	± 2.5	PASS
		VN	10	3.49	0.002040	± 2.5	PASS
		VN	20	3.73	0.002180	± 2.5	PASS
		VN	30	-1.61	-0.000941	± 2.5	PASS
		VN	40	4.69	0.002742	± 2.5	PASS
		VN	50	0.11	0.000064	± 2.5	PASS
	MCH	VN	-30	0.59	0.000341	± 2.5	PASS

		VN	-20	1.92	0.001108	± 2.5	PASS
		VN	-10	0.67	0.000387	± 2.5	PASS
		VN	0	4.53	0.002615	± 2.5	PASS
		VN	10	1.93	0.001114	± 2.5	PASS
		VN	20	1.18	0.000681	± 2.5	PASS
		VN	30	3.55	0.002049	± 2.5	PASS
		VN	40	2.27	0.001310	± 2.5	PASS
		VN	50	0.53	0.000306	± 2.5	PASS
	HCH	VN	-30	0.56	0.000319	± 2.5	PASS
		VN	-20	2.44	0.001391	± 2.5	PASS
		VN	-10	-0.6	-0.000342	± 2.5	PASS
		VN	0	0.02	0.000011	± 2.5	PASS
		VN	10	-1.73	-0.000986	± 2.5	PASS
		VN	20	3.74	0.002132	± 2.5	PASS
		VN	30	-0.72	-0.000410	± 2.5	PASS
		VN	40	-0.12	-0.000068	± 2.5	PASS
		VN	50	2.62	0.001493	± 2.5	PASS
		16QAM	LCH	VN	-30	4.87	0.002847
VN	-20			1.99	0.001163	± 2.5	PASS
VN	-10			3.24	0.001894	± 2.5	PASS
VN	0			-0.11	-0.000064	± 2.5	PASS
VN	10			4.66	0.002724	± 2.5	PASS
VN	20			2.19	0.001280	± 2.5	PASS
VN	30			1.71	0.001000	± 2.5	PASS
VN	40			-1.67	-0.000976	± 2.5	PASS
VN	50			-0.82	-0.000479	± 2.5	PASS
MCH	VN		-30	-1.38	-0.000787	± 2.5	PASS
	VN		-20	0.15	0.000086	± 2.5	PASS
	VN		-10	3.3	0.001881	± 2.5	PASS
	VN		0	3.3	0.001881	± 2.5	PASS
	VN		10	4.98	0.002839	± 2.5	PASS
	VN		20	0.09	0.000051	± 2.5	PASS
	VN		30	2.14	0.001220	± 2.5	PASS
	VN		40	-1.33	-0.000758	± 2.5	PASS
	VN		50	2.62	0.001493	± 2.5	PASS
HCH	VN		-30	2.95	0.001682	± 2.5	PASS
	VN		-20	4.33	0.002468	± 2.5	PASS
	VN		-10	3.09	0.001761	± 2.5	PASS
	VN		0	2.36	0.001345	± 2.5	PASS
	VN		10	0.23	0.000131	± 2.5	PASS
	VN		20	0.38	0.000217	± 2.5	PASS

		VN	30	4.39	0.002502	± 2.5	PASS
		VN	40	2.78	0.001585	± 2.5	PASS
		VN	50	-0.46	-0.000262	± 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	-1.6	-0.000935	± 2.5	PASS
		VN	TN	-1.19	-0.000695	± 2.5	PASS
		VH	TN	1.37	0.000800	± 2.5	PASS
	MCH	VL	TN	-1.15	-0.000664	± 2.5	PASS
		VN	TN	0.59	0.000341	± 2.5	PASS
		VH	TN	3.96	0.002286	± 2.5	PASS
	HCH	VL	TN	0.12	0.000068	± 2.5	PASS
		VN	TN	4.17	0.002378	± 2.5	PASS
		VH	TN	-1.12	-0.000639	± 2.5	PASS
16QAM	LCH	VL	TN	1.08	0.000631	± 2.5	PASS
		VN	TN	4.45	0.002600	± 2.5	PASS
		VH	TN	3.69	0.002156	± 2.5	PASS
	MCH	VL	TN	1.87	0.001079	± 2.5	PASS
		VN	TN	2.34	0.001351	± 2.5	PASS
		VH	TN	2.2	0.001270	± 2.5	PASS
	HCH	VL	TN	2.2	0.001255	± 2.5	PASS
		VN	TN	4.73	0.002697	± 2.5	PASS
		VH	TN	2.59	0.001477	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.69	-0.000987	± 2.5	PASS
		VN	-20	0.83	0.000485	± 2.5	PASS
		VN	-10	-0.23	-0.000134	± 2.5	PASS
		VN	0	1.56	0.000911	± 2.5	PASS
		VN	10	3.22	0.001881	± 2.5	PASS
		VN	20	-1.18	-0.000689	± 2.5	PASS
		VN	30	2.43	0.001420	± 2.5	PASS
		VN	40	0.66	0.000386	± 2.5	PASS
		VN	50	2.62	0.001531	± 2.5	PASS
	MCH	VN	-30	4.44	0.002563	± 2.5	PASS
		VN	-20	-1.04	-0.000600	± 2.5	PASS

		VN	-10	4.48	0.002586	± 2.5	PASS	
		VN	0	4.38	0.002528	± 2.5	PASS	
		VN	10	3.57	0.002061	± 2.5	PASS	
		VN	20	-1.74	-0.001004	± 2.5	PASS	
		VN	30	1.41	0.000814	± 2.5	PASS	
		VN	40	-0.27	-0.000156	± 2.5	PASS	
		VN	50	4.45	0.002569	± 2.5	PASS	
	HCH	VN	-30	2.77	0.001580	± 2.5	PASS	
		VN	-20	4.95	0.002823	± 2.5	PASS	
		VN	-10	4.69	0.002675	± 2.5	PASS	
		VN	0	4.1	0.002338	± 2.5	PASS	
		VN	10	4.31	0.002458	± 2.5	PASS	
		VN	20	2.72	0.001551	± 2.5	PASS	
		VN	30	2.56	0.001460	± 2.5	PASS	
	16QAM	LCH	VN	40	-1.2	-0.000684	± 2.5	PASS
			VN	50	4.21	0.002401	± 2.5	PASS
			VN	-30	4.13	0.002384	± 2.5	PASS
			VN	-20	4.92	0.002840	± 2.5	PASS
VN			-10	3.5	0.002020	± 2.5	PASS	
VN			0	-0.02	-0.000012	± 2.5	PASS	
VN			10	4.31	0.002488	± 2.5	PASS	
VN			20	4.03	0.002326	± 2.5	PASS	
VN			30	2.71	0.001564	± 2.5	PASS	
MCH		VN	40	3.85	0.002222	± 2.5	PASS	
		VN	50	0.39	0.000225	± 2.5	PASS	
		VN	-30	-1.16	-0.000662	± 2.5	PASS	
		VN	-20	1.08	0.000616	± 2.5	PASS	
		VN	-10	0.01	0.000006	± 2.5	PASS	
		VN	0	0.37	0.000211	± 2.5	PASS	
		VN	10	3.36	0.001916	± 2.5	PASS	
		VN	20	3.63	0.002070	± 2.5	PASS	
		VN	30	1.38	0.000787	± 2.5	PASS	
HCH	VN	40	4.85	0.002766	± 2.5	PASS		
	VN	50	-0.13	-0.000074	± 2.5	PASS		
	VN	-30	0.1	0.000057	± 2.5	PASS		
	VN	-20	1.8	0.001027	± 2.5	PASS		
	VN	-10	-0.41	-0.000234	± 2.5	PASS		
	VN	0	2.97	0.001694	± 2.5	PASS		
	VN	10	4.21	0.002401	± 2.5	PASS		
	VN	20	-0.29	-0.000165	± 2.5	PASS		
	VN	30	1.97	0.001123	± 2.5	PASS		

		VN	40	-1.55	-0.000884	± 2.5	PASS
		VN	50	2.95	0.001682	± 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	1.48	0.000864	± 2.5	PASS
		VN	TN	-0.16	-0.000093	± 2.5	PASS
		VH	TN	-0.28	-0.000164	± 2.5	PASS
	MCH	VL	TN	3.75	0.002165	± 2.5	PASS
		VN	TN	1.31	0.000756	± 2.5	PASS
		VH	TN	1.99	0.001149	± 2.5	PASS
	HCH	VL	TN	4.99	0.002847	± 2.5	PASS
		VN	TN	-0.67	-0.000382	± 2.5	PASS
		VH	TN	0.1	0.000057	± 2.5	PASS
16QAM	LCH	VL	TN	4.2	0.002453	± 2.5	PASS
		VN	TN	4	0.002336	± 2.5	PASS
		VH	TN	1.46	0.000853	± 2.5	PASS
	MCH	VL	TN	3.39	0.001957	± 2.5	PASS
		VN	TN	0.79	0.000456	± 2.5	PASS
		VH	TN	1.06	0.000612	± 2.5	PASS
	HCH	VL	TN	1.49	0.000850	± 2.5	PASS
		VN	TN	3.3	0.001883	± 2.5	PASS
		VH	TN	-0.88	-0.000502	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.65	0.000380	± 2.5	PASS
		VN	-20	2.87	0.001676	± 2.5	PASS
		VN	-10	-0.78	-0.000455	± 2.5	PASS
		VN	0	-1.19	-0.000695	± 2.5	PASS
		VN	10	-1.88	-0.001098	± 2.5	PASS
		VN	20	2.32	0.001355	± 2.5	PASS
		VN	30	2.43	0.001419	± 2.5	PASS
		VN	40	1.11	0.000648	± 2.5	PASS
		VN	50	-0.73	-0.000426	± 2.5	PASS
	MCH	VN	-30	1.03	0.000595	± 2.5	PASS
		VN	-20	0.31	0.000179	± 2.5	PASS
		VN	-10	4.82	0.002782	± 2.5	PASS

		VN	0	-1.05	-0.000606	± 2.5	PASS		
		VN	10	2.44	0.001408	± 2.5	PASS		
		VN	20	3.83	0.002211	± 2.5	PASS		
		VN	30	4.65	0.002684	± 2.5	PASS		
		VN	40	-0.42	-0.000242	± 2.5	PASS		
		VN	50	1.46	0.000843	± 2.5	PASS		
	HCH	VN	-30	-1.82	-0.001039	± 2.5	PASS		
		VN	-20	0.32	0.000168	± 2.5	PASS		
		VN	-10	1.35	0.000708	± 2.5	PASS		
		VN	0	1.95	0.001022	± 2.5	PASS		
		VN	10	4.81	0.002522	± 2.5	PASS		
		VN	20	4.35	0.002280	± 2.5	PASS		
		VN	30	1.78	0.000933	± 2.5	PASS		
		VN	40	3.3	0.001730	± 2.5	PASS		
		VN	50	-0.7	-0.000367	± 2.5	PASS		
		16QAM	LCH	VN	-30	3.16	0.001824	± 2.5	PASS
				VN	-20	4.07	0.002349	± 2.5	PASS
				VN	-10	1.15	0.000664	± 2.5	PASS
VN	0			-1.13	-0.000652	± 2.5	PASS		
VN	10			-0.44	-0.000254	± 2.5	PASS		
VN	20			3.86	0.002228	± 2.5	PASS		
VN	30			0.18	0.000104	± 2.5	PASS		
VN	40			-0.14	-0.000081	± 2.5	PASS		
VN	50			1.2	0.000693	± 2.5	PASS		
MCH	VN		-30	4.38	0.002499	± 2.5	PASS		
	VN		-20	-1.16	-0.000662	± 2.5	PASS		
	VN		-10	4.22	0.002408	± 2.5	PASS		
	VN		0	-1.85	-0.001056	± 2.5	PASS		
	VN		10	4.72	0.002693	± 2.5	PASS		
	VN		20	0.81	0.000462	± 2.5	PASS		
	VN		30	-0.52	-0.000297	± 2.5	PASS		
	VN		40	-1.84	-0.001050	± 2.5	PASS		
	VN		50	-1.33	-0.000759	± 2.5	PASS		
HCH	VN		-30	3.55	0.001861	± 2.5	PASS		
	VN		-20	-1.77	-0.000928	± 2.5	PASS		
	VN		-10	2.66	0.001394	± 2.5	PASS		
	VN		0	2.73	0.001431	± 2.5	PASS		
	VN		10	1.76	0.000923	± 2.5	PASS		
	VN		20	0.06	0.000031	± 2.5	PASS		
	VN		30	4.67	0.002448	± 2.5	PASS		
	VN		40	2.24	0.001174	± 2.5	PASS		

		VN	50	-0.09	-0.000047	± 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	-0.83	-0.000484	± 2.5	PASS
		VN	TN	2.8	0.001633	± 2.5	PASS
		VH	TN	-0.94	-0.000548	± 2.5	PASS
	MCH	VL	TN	3.91	0.002257	± 2.5	PASS
		VN	TN	1.4	0.000808	± 2.5	PASS
		VH	TN	4.99	0.002880	± 2.5	PASS
	HCH	VL	TN	1.5	0.000857	± 2.5	PASS
		VN	TN	-1.71	-0.000977	± 2.5	PASS
		VH	TN	-0.52	-0.000297	± 2.5	PASS
16QAM	LCH	VL	TN	-0.39	-0.000227	± 2.5	PASS
		VN	TN	2.53	0.001475	± 2.5	PASS
		VH	TN	2.83	0.001650	± 2.5	PASS
	MCH	VL	TN	3.01	0.001737	± 2.5	PASS
		VN	TN	0.7	0.000404	± 2.5	PASS
		VH	TN	0.62	0.000358	± 2.5	PASS
	HCH	VL	TN	2.49	0.001423	± 2.5	PASS
		VN	TN	0.88	0.000503	± 2.5	PASS
		VH	TN	4.78	0.002731	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.08	-0.000047	± 2.5	PASS
		VN	-20	0.01	0.000006	± 2.5	PASS
		VN	-10	3.69	0.002152	± 2.5	PASS
		VN	0	-1.36	-0.000793	± 2.5	PASS
		VN	10	4.62	0.002694	± 2.5	PASS
		VN	20	0	0.000000	± 2.5	PASS
		VN	30	3.85	0.002245	± 2.5	PASS
		VN	40	-0.68	-0.000397	± 2.5	PASS
		VN	50	3.07	0.001790	± 2.5	PASS
	MCH	VN	-30	2.22	0.001281	± 2.5	PASS
		VN	-20	1.94	0.001120	± 2.5	PASS
		VN	-10	-0.82	-0.000473	± 2.5	PASS
		VN	0	0.29	0.000167	± 2.5	PASS

		VN	10	3.48	0.002009	± 2.5	PASS
		VN	20	2.67	0.001541	± 2.5	PASS
		VN	30	2.21	0.001276	± 2.5	PASS
		VN	40	4.77	0.002753	± 2.5	PASS
		VN	50	4.01	0.002315	± 2.5	PASS
	HCH	VN	-30	-1	-0.000571	± 2.5	PASS
		VN	-20	-0.68	-0.000389	± 2.5	PASS
		VN	-10	4.38	0.002503	± 2.5	PASS
		VN	0	3.22	0.001840	± 2.5	PASS
		VN	10	-0.56	-0.000320	± 2.5	PASS
		VN	20	1.75	0.001000	± 2.5	PASS
		VN	30	2.63	0.001503	± 2.5	PASS
		VN	40	2.48	0.001417	± 2.5	PASS
		VN	50	1.74	0.000994	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.03	-0.000595
VN	-20			2.25	0.001299	± 2.5	PASS
VN	-10			3.33	0.001922	± 2.5	PASS
VN	0			0.62	0.000358	± 2.5	PASS
VN	10			3.48	0.002009	± 2.5	PASS
VN	20			0.47	0.000271	± 2.5	PASS
VN	30			-0.77	-0.000444	± 2.5	PASS
VN	40			2.89	0.001668	± 2.5	PASS
VN	50			3.71	0.002141	± 2.5	PASS
MCH	VN		-30	-1.03	-0.000589	± 2.5	PASS
	VN		-20	-1.93	-0.001103	± 2.5	PASS
	VN		-10	3.56	0.002034	± 2.5	PASS
	VN		0	0.78	0.000446	± 2.5	PASS
	VN		10	2.87	0.001640	± 2.5	PASS
	VN		20	0.37	0.000211	± 2.5	PASS
	VN		30	2.63	0.001503	± 2.5	PASS
	VN		40	0.02	0.000011	± 2.5	PASS
	VN		50	1.15	0.000657	± 2.5	PASS
HCH	VN		-30	3.8	0.002171	± 2.5	PASS
	VN		-20	0.89	0.000509	± 2.5	PASS
	VN		-10	-0.28	-0.000160	± 2.5	PASS
	VN		0	0.63	0.000360	± 2.5	PASS
	VN		10	3.48	0.001989	± 2.5	PASS
	VN		20	3.05	0.001743	± 2.5	PASS
	VN		30	3	0.001714	± 2.5	PASS
	VN		40	1.93	0.001103	± 2.5	PASS
	VN		50	-0.26	-0.000149	± 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	-0.52	-0.000303	± 2.5	PASS
		VN	TN	2.53	0.001473	± 2.5	PASS
		VH	TN	4.76	0.002771	± 2.5	PASS
	MCH	VL	TN	0.56	0.000323	± 2.5	PASS
		VN	TN	-0.89	-0.000514	± 2.5	PASS
		VH	TN	-1.01	-0.000583	± 2.5	PASS
	HCH	VL	TN	2.38	0.001362	± 2.5	PASS
		VN	TN	-1.63	-0.000933	± 2.5	PASS
		VH	TN	-1	-0.000572	± 2.5	PASS
16QAM	LCH	VL	TN	3.88	0.002259	± 2.5	PASS
		VN	TN	2.4	0.001397	± 2.5	PASS
		VH	TN	2.02	0.001176	± 2.5	PASS
	MCH	VL	TN	2.88	0.001662	± 2.5	PASS
		VN	TN	0.26	0.000150	± 2.5	PASS
		VH	TN	-0.38	-0.000219	± 2.5	PASS
	HCH	VL	TN	-0.9	-0.000515	± 2.5	PASS
		VN	TN	3.03	0.001734	± 2.5	PASS
		VH	TN	-0.26	-0.000149	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.74	0.001595	± 2.5	PASS
		VN	-20	4.8	0.002795	± 2.5	PASS
		VN	-10	2.79	0.001624	± 2.5	PASS
		VN	0	0.21	0.000122	± 2.5	PASS
		VN	10	0.39	0.000227	± 2.5	PASS
		VN	20	3.5	0.002038	± 2.5	PASS
		VN	30	4.92	0.002865	± 2.5	PASS
		VN	40	3.57	0.002079	± 2.5	PASS
	MCH	VN	50	2.74	0.001595	± 2.5	PASS
		VN	-30	2.61	0.001506	± 2.5	PASS
		VN	-20	1.44	0.000831	± 2.5	PASS
		VN	-10	2.4	0.001385	± 2.5	PASS
		VN	0	4.02	0.002320	± 2.5	PASS
		VN	10	2.26	0.001304	± 2.5	PASS
VN	20	-1.83	-0.001056	± 2.5	PASS		

		VN	30	3.88	0.002240	± 2.5	PASS
		VN	40	4.07	0.002349	± 2.5	PASS
		VN	50	-1.06	-0.000612	± 2.5	PASS
	HCH	VN	-30	2.38	0.001362	± 2.5	PASS
		VN	-20	-0.96	-0.000549	± 2.5	PASS
		VN	-10	-1.92	-0.001099	± 2.5	PASS
		VN	0	-1.72	-0.000984	± 2.5	PASS
		VN	10	1.55	0.000887	± 2.5	PASS
		VN	20	1.82	0.001041	± 2.5	PASS
		VN	30	2.26	0.001293	± 2.5	PASS
		VN	40	1.02	0.000584	± 2.5	PASS
		VN	50	3.62	0.002072	± 2.5	PASS
16QAM	LCH	VN	-30	1.37	0.000791	± 2.5	PASS
		VN	-20	-0.04	-0.000023	± 2.5	PASS
		VN	-10	2.75	0.001587	± 2.5	PASS
		VN	0	-1.9	-0.001097	± 2.5	PASS
		VN	10	3.64	0.002101	± 2.5	PASS
		VN	20	-1.42	-0.000820	± 2.5	PASS
		VN	30	3.48	0.002009	± 2.5	PASS
		VN	40	0.73	0.000421	± 2.5	PASS
		VN	50	-0.96	-0.000554	± 2.5	PASS
	MCH	VN	-30	-1.77	-0.001013	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS
		VN	-10	4.09	0.002340	± 2.5	PASS
		VN	0	-1.64	-0.000938	± 2.5	PASS
		VN	10	-0.45	-0.000258	± 2.5	PASS
		VN	20	2.04	0.001167	± 2.5	PASS
		VN	30	0.68	0.000389	± 2.5	PASS
		VN	40	1.83	0.001047	± 2.5	PASS
		VN	50	0.13	0.000074	± 2.5	PASS
	HCH	VN	-30	2.19	0.001253	± 2.5	PASS
		VN	-20	3.53	0.002020	± 2.5	PASS
		VN	-10	4.66	0.002667	± 2.5	PASS
		VN	0	4.83	0.002764	± 2.5	PASS
		VN	10	2.09	0.001196	± 2.5	PASS
		VN	20	-1.11	-0.000635	± 2.5	PASS
		VN	30	-0.03	-0.000017	± 2.5	PASS
		VN	40	3.44	0.001969	± 2.5	PASS
		VN	50	4.05	0.002318	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.45	0.001424	± 2.5	PASS
		VN	TN	-1.21	-0.000703	± 2.5	PASS
		VH	TN	3.21	0.001866	± 2.5	PASS
	MCH	VL	TN	4.22	0.002436	± 2.5	PASS
		VN	TN	0.91	0.000525	± 2.5	PASS
		VH	TN	3.44	0.001986	± 2.5	PASS
	HCH	VL	TN	4.08	0.002338	± 2.5	PASS
		VN	TN	0.98	0.000562	± 2.5	PASS
		VH	TN	4.14	0.002372	± 2.5	PASS
16QAM	LCH	VL	TN	3.25	0.001890	± 2.5	PASS
		VN	TN	0.1	0.000058	± 2.5	PASS
		VH	TN	4.35	0.002529	± 2.5	PASS
	MCH	VL	TN	4.2	0.002424	± 2.5	PASS
		VN	TN	2.88	0.001662	± 2.5	PASS
		VH	TN	-0.69	-0.000398	± 2.5	PASS
	HCH	VL	TN	1.29	0.000739	± 2.5	PASS
		VN	TN	-1.84	-0.001054	± 2.5	PASS
		VH	TN	3.66	0.002097	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.53	0.000308	± 2.5	PASS
		VN	-20	1.38	0.000802	± 2.5	PASS
		VN	-10	0.48	0.000279	± 2.5	PASS
		VN	0	-1.84	-0.001070	± 2.5	PASS
		VN	10	4.76	0.002767	± 2.5	PASS
		VN	20	-0.09	-0.000052	± 2.5	PASS
		VN	30	3.86	0.002244	± 2.5	PASS
		VN	40	-1.41	-0.000820	± 2.5	PASS
		VN	50	4.38	0.002547	± 2.5	PASS
	MCH	VN	-30	-0.34	-0.000196	± 2.5	PASS
		VN	-20	2.17	0.001253	± 2.5	PASS
		VN	-10	4.31	0.002488	± 2.5	PASS
		VN	0	1.9	0.001097	± 2.5	PASS
		VN	10	-0.62	-0.000358	± 2.5	PASS
		VN	20	2.31	0.001333	± 2.5	PASS

		VN	30	-1.81	-0.001045	± 2.5	PASS
		VN	40	-1.63	-0.000941	± 2.5	PASS
		VN	50	-0.63	-0.000364	± 2.5	PASS
	HCH	VN	-30	0.64	0.000367	± 2.5	PASS
		VN	-20	-0.25	-0.000143	± 2.5	PASS
		VN	-10	-1.04	-0.000596	± 2.5	PASS
		VN	0	0.11	0.000063	± 2.5	PASS
		VN	10	1.65	0.000946	± 2.5	PASS
		VN	20	-0.72	-0.000413	± 2.5	PASS
		VN	30	1.73	0.000991	± 2.5	PASS
		VN	40	3.05	0.001748	± 2.5	PASS
		VN	50	-0.71	-0.000407	± 2.5	PASS
16QAM	LCH	VN	-30	-0.66	-0.000381	± 2.5	PASS
		VN	-20	1.83	0.001056	± 2.5	PASS
		VN	-10	1.95	0.001126	± 2.5	PASS
		VN	0	2.59	0.001495	± 2.5	PASS
		VN	10	5	0.002886	± 2.5	PASS
		VN	20	-0.77	-0.000444	± 2.5	PASS
		VN	30	2.97	0.001714	± 2.5	PASS
		VN	40	4.96	0.002863	± 2.5	PASS
		VN	50	-1.43	-0.000825	± 2.5	PASS
	MCH	VN	-30	0.99	0.000567	± 2.5	PASS
		VN	-20	1.6	0.000917	± 2.5	PASS
		VN	-10	4.9	0.002808	± 2.5	PASS
		VN	0	2.76	0.001582	± 2.5	PASS
		VN	10	2.34	0.001341	± 2.5	PASS
		VN	20	1.37	0.000785	± 2.5	PASS
		VN	30	-0.53	-0.000304	± 2.5	PASS
		VN	40	4.5	0.002579	± 2.5	PASS
		VN	50	2.21	0.001266	± 2.5	PASS
	HCH	VN	-30	0.06	0.000034	± 2.5	PASS
		VN	-20	2.43	0.001393	± 2.5	PASS
		VN	-10	3.64	0.002086	± 2.5	PASS
		VN	0	-1.45	-0.000831	± 2.5	PASS
		VN	10	0.55	0.000315	± 2.5	PASS
		VN	20	-0.46	-0.000264	± 2.5	PASS
		VN	30	1.95	0.001117	± 2.5	PASS
		VN	40	1.53	0.000877	± 2.5	PASS
		VN	50	3.17	0.001817	± 2.5	PASS