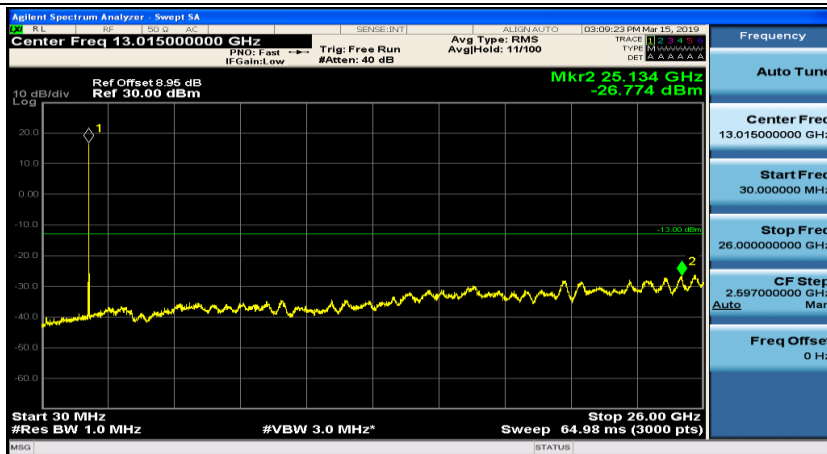
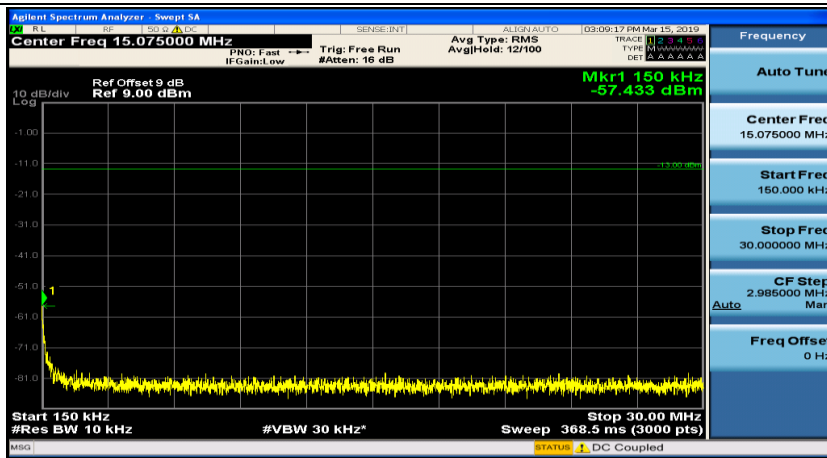
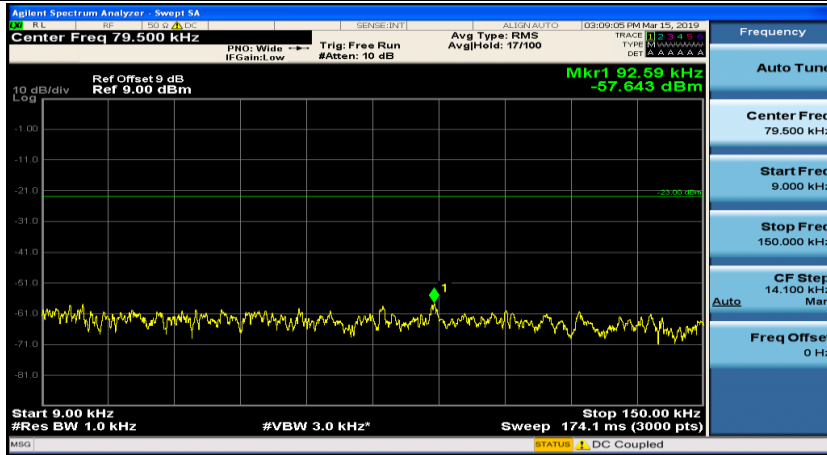
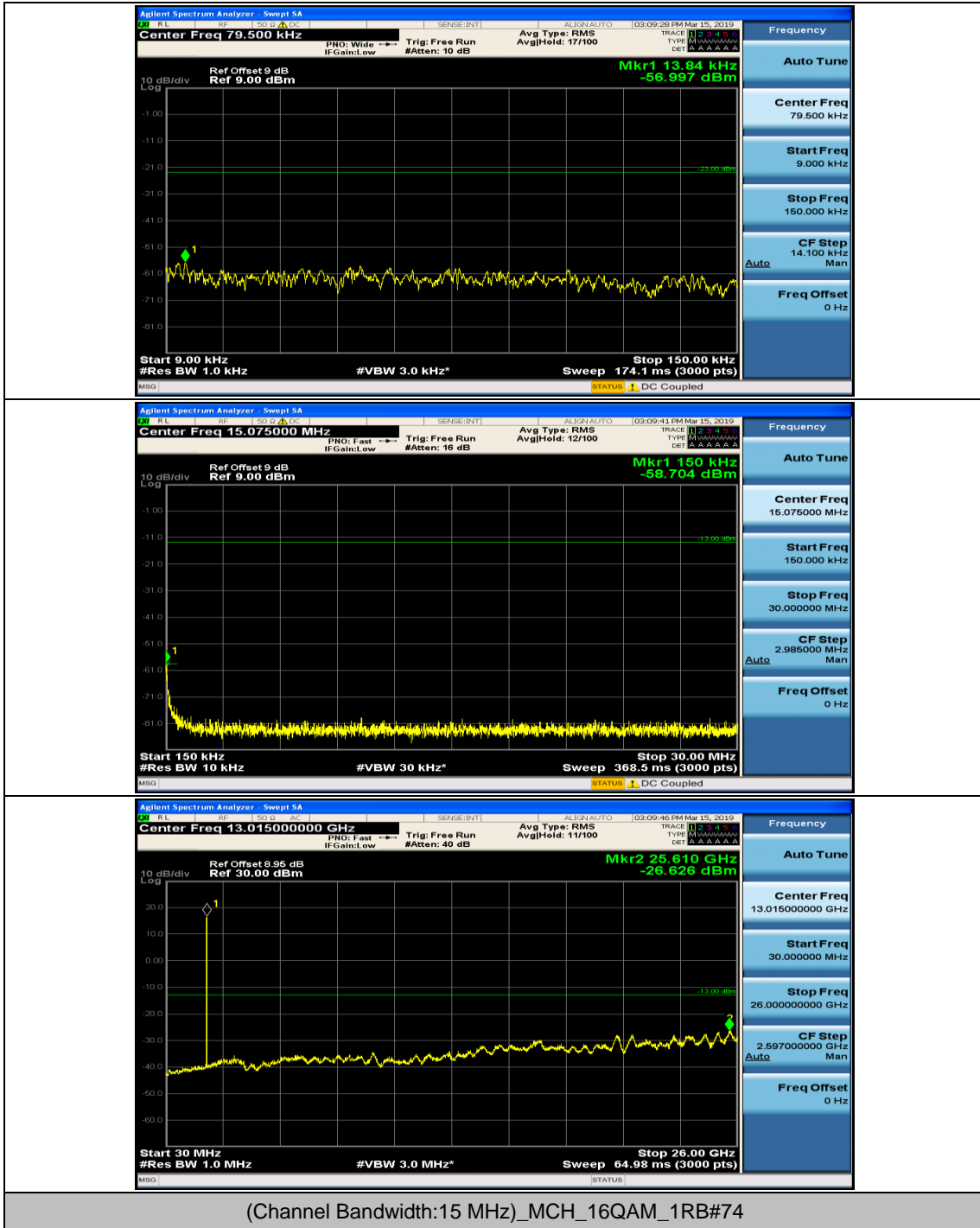
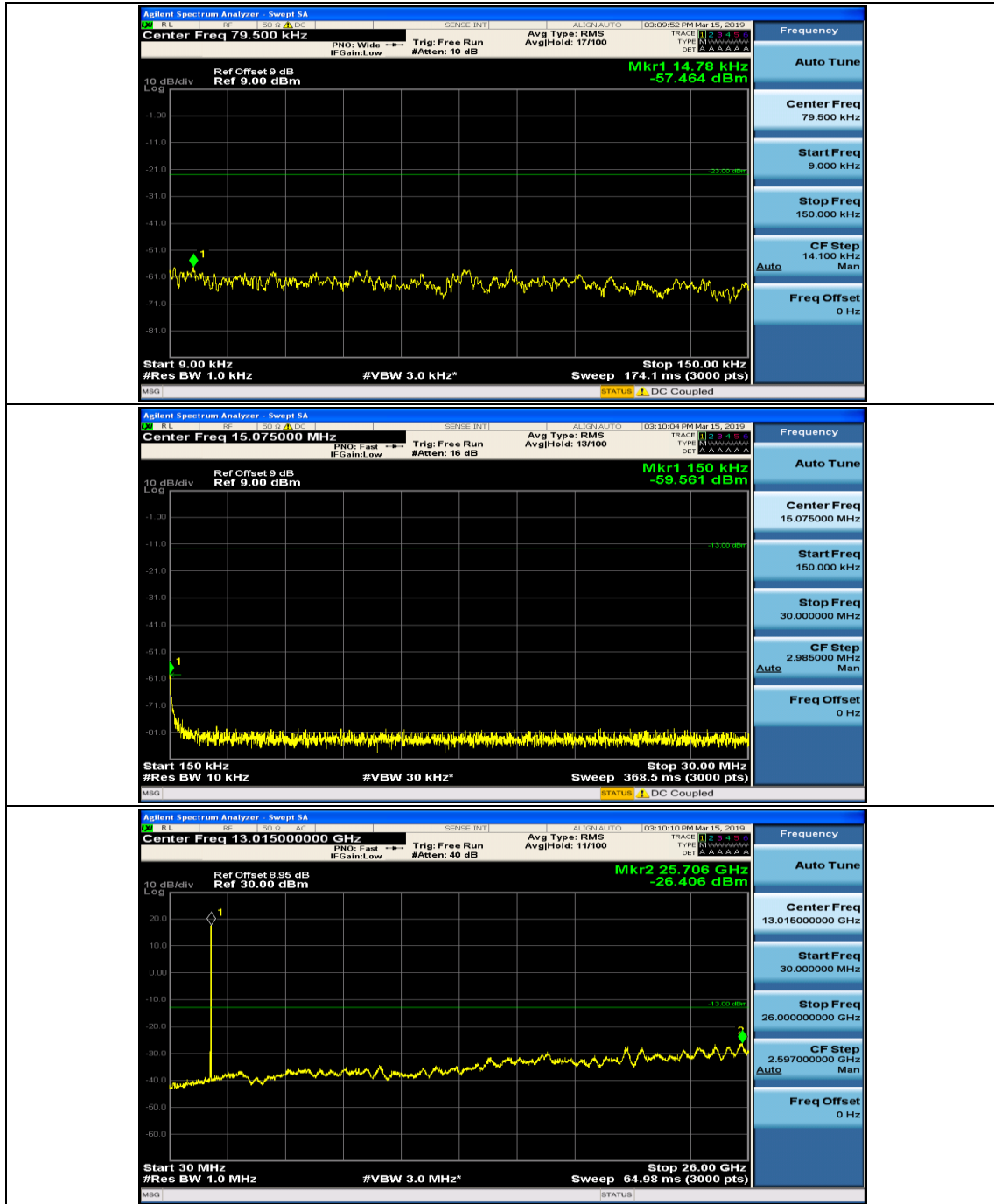


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0

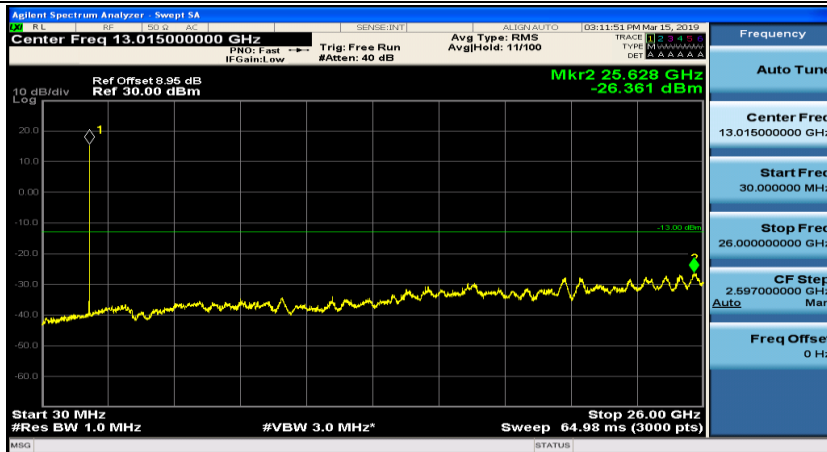
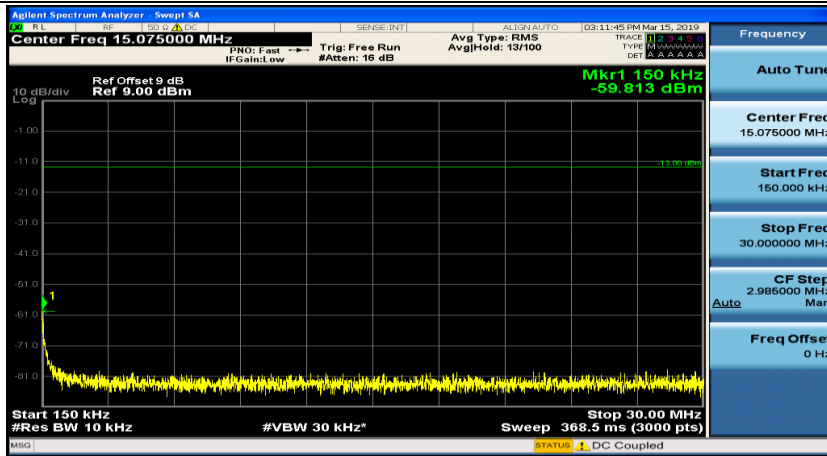
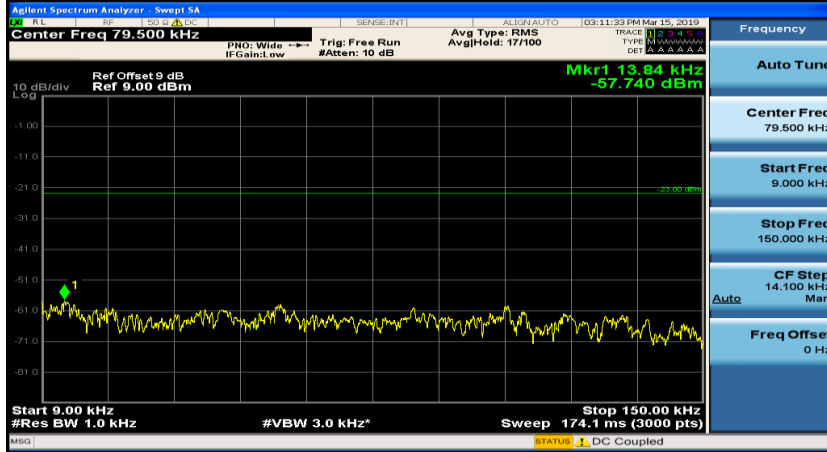


(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37

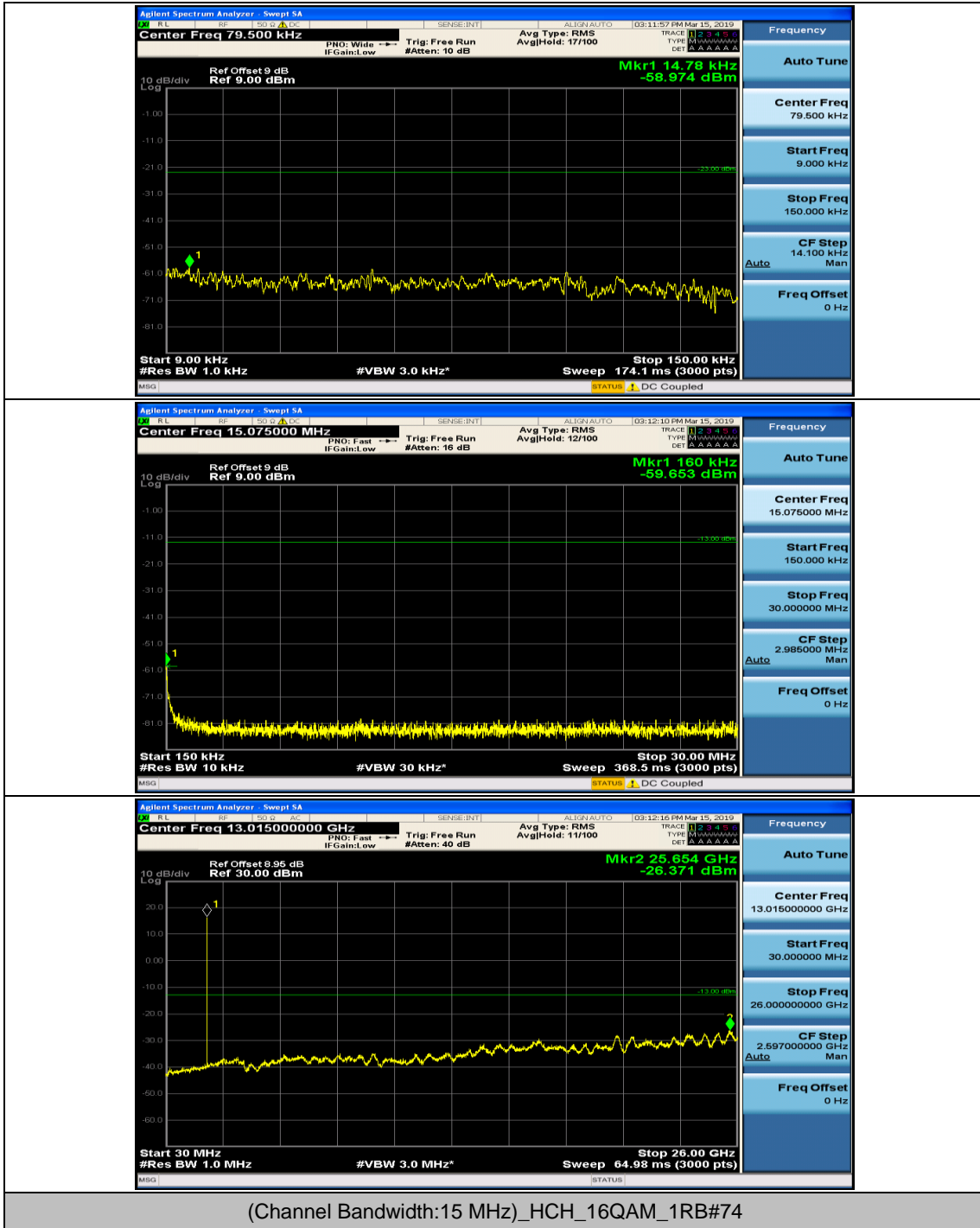


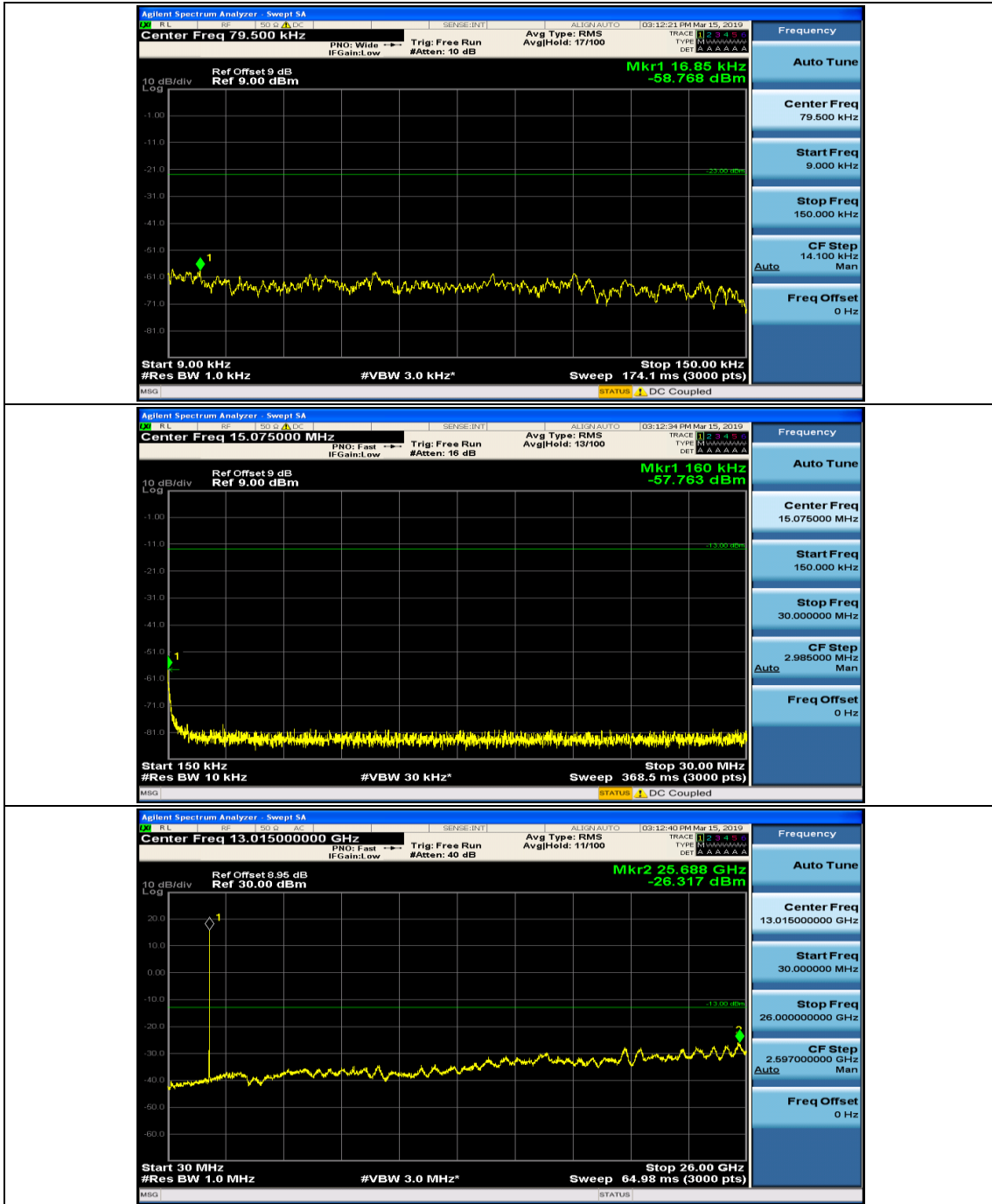


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0

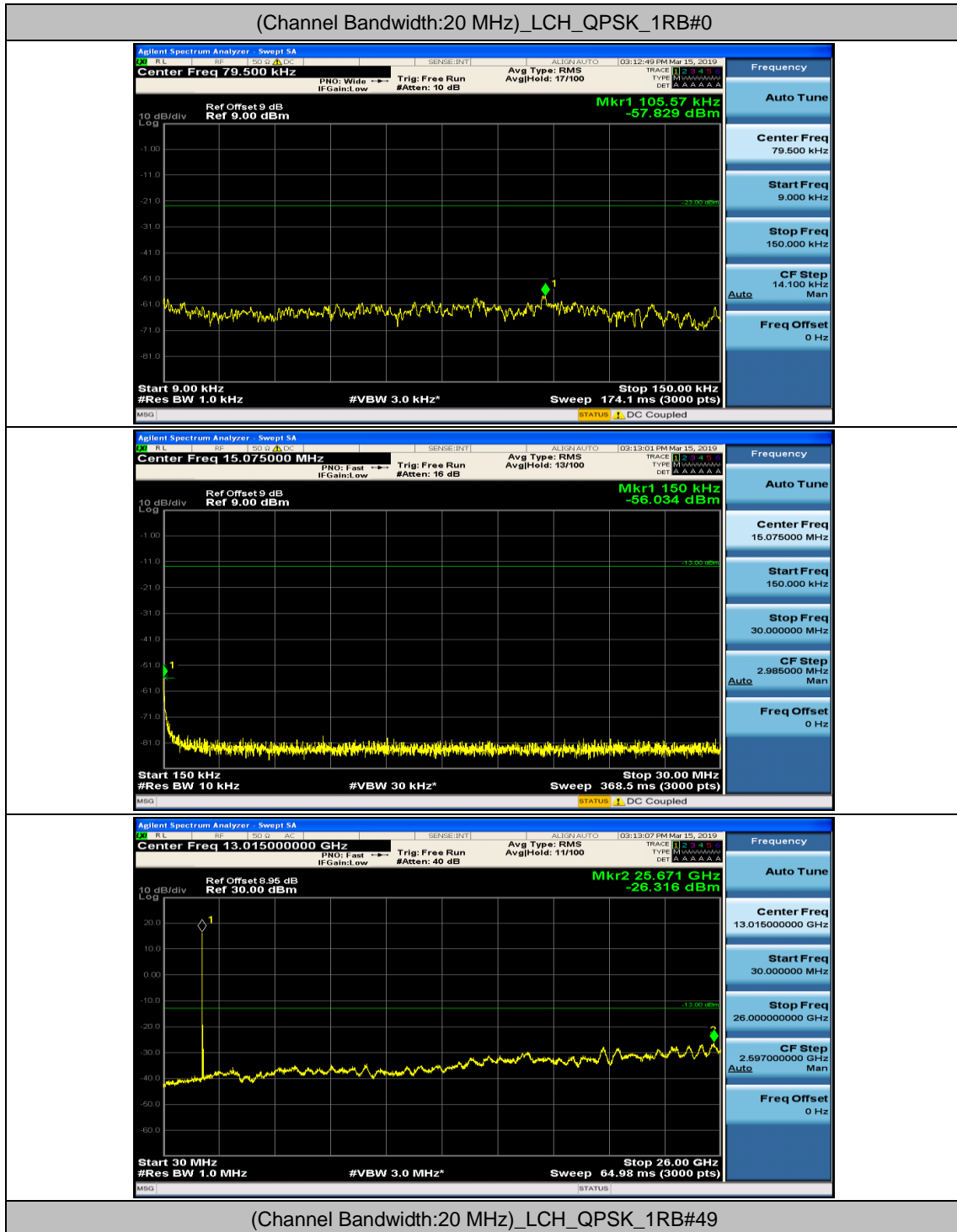


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37

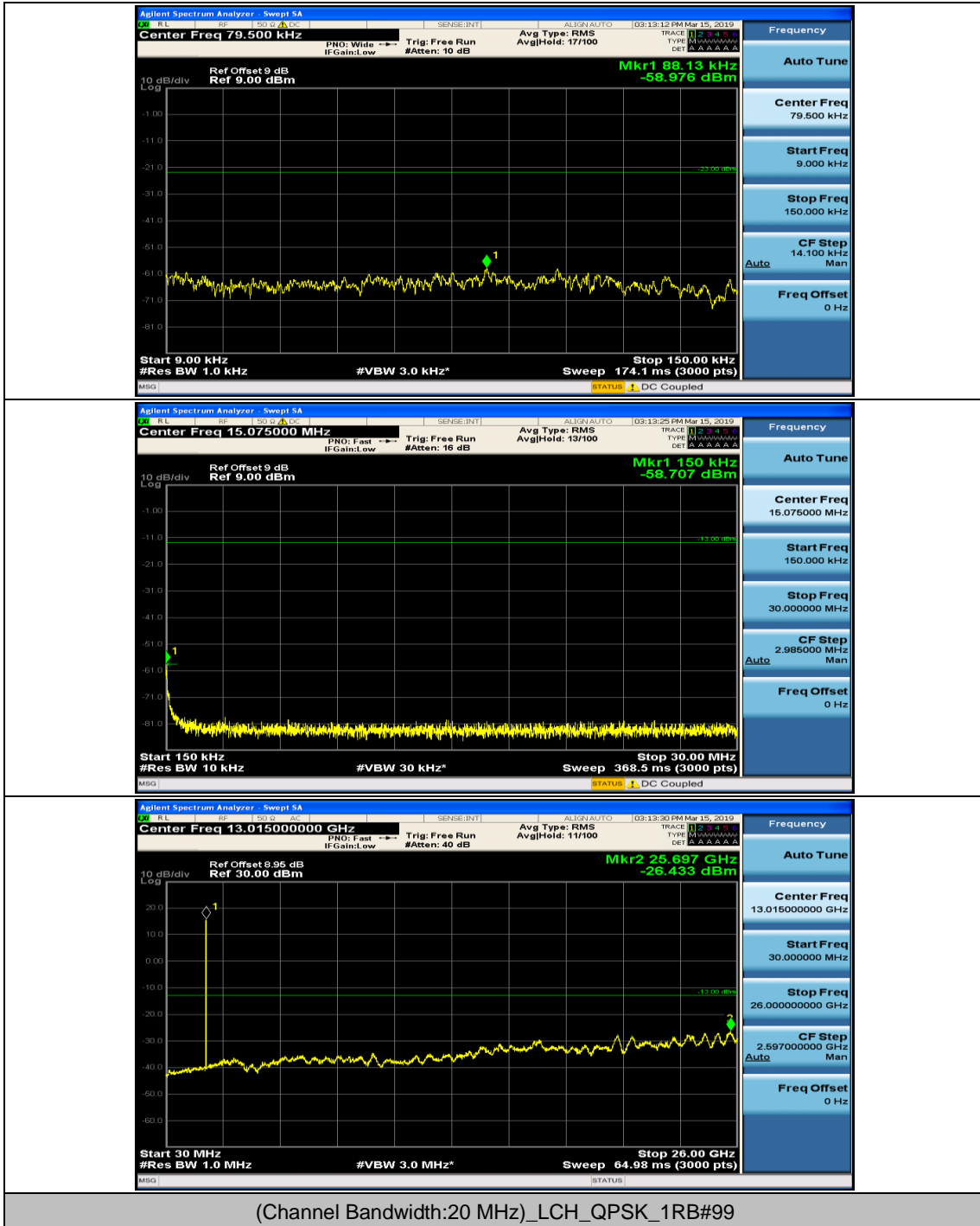


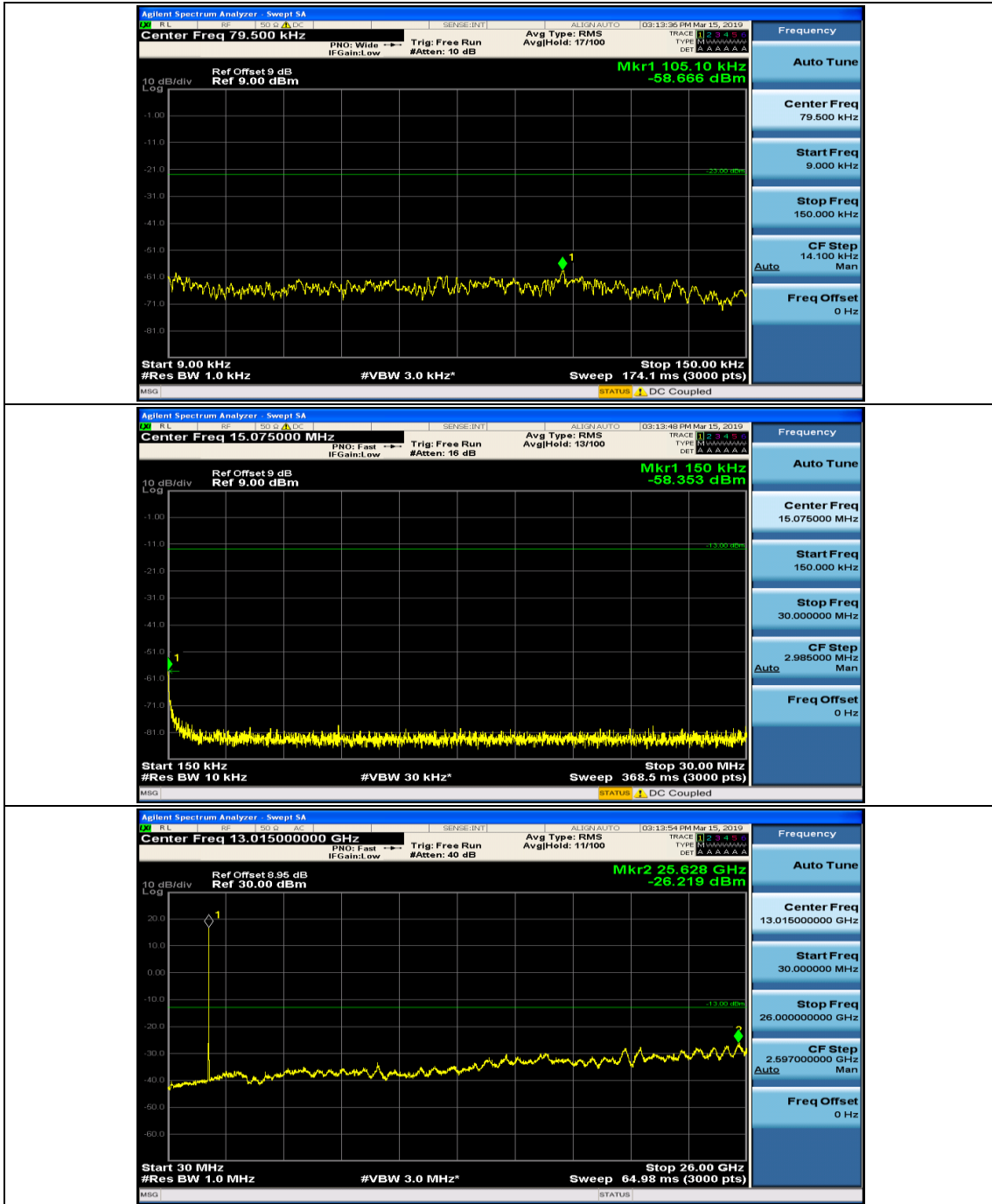


### Channel Bandwidth: 20 MHz

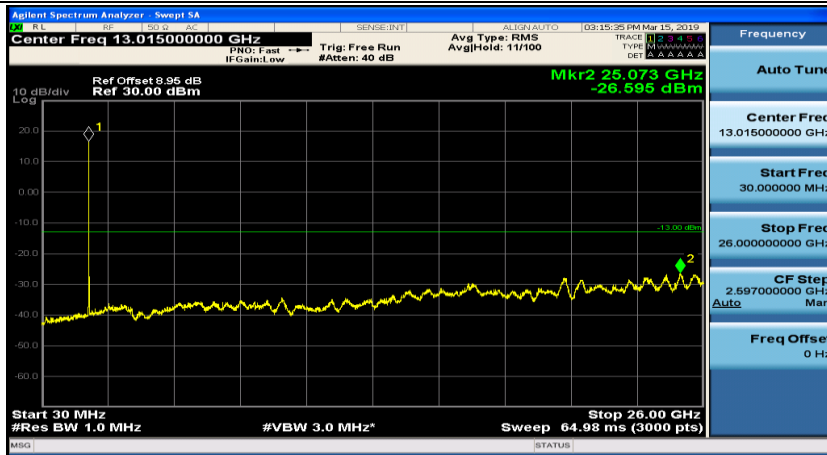
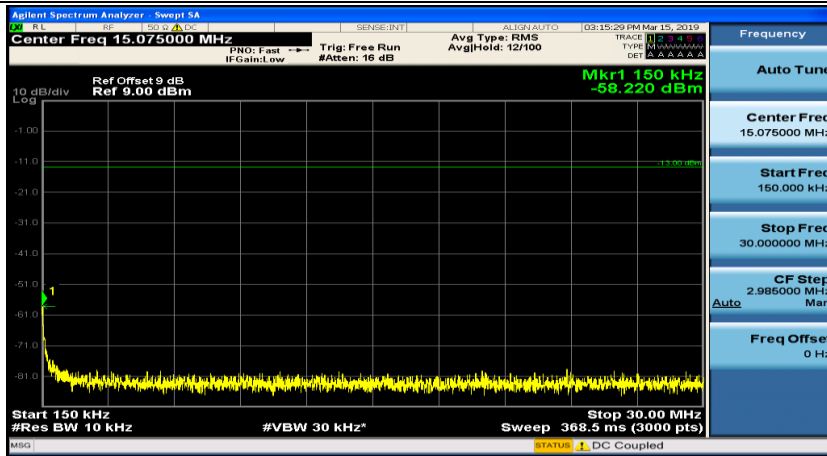
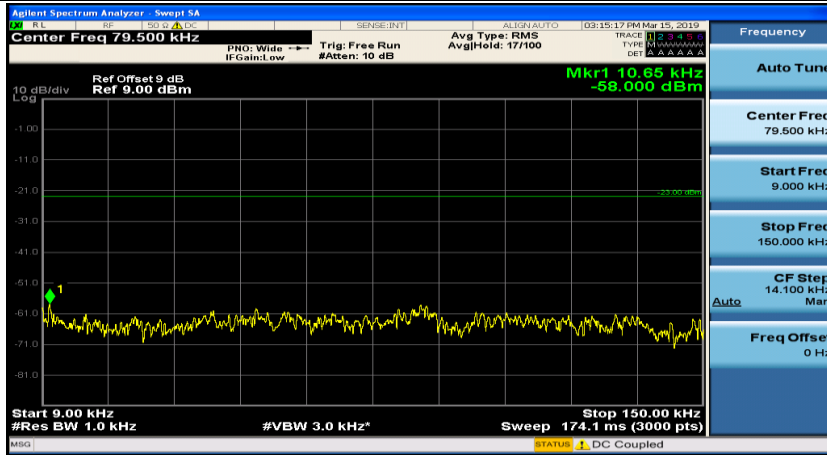




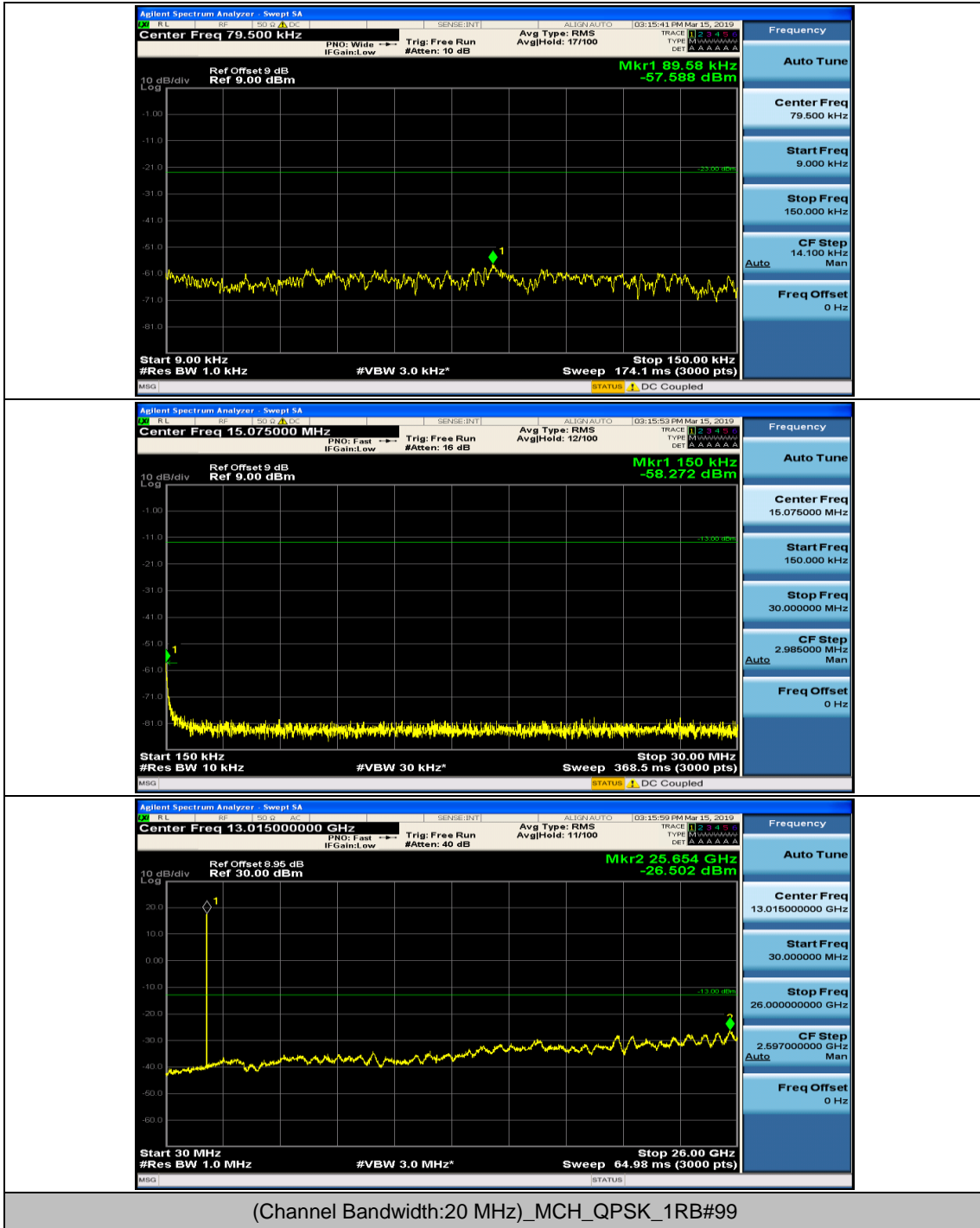


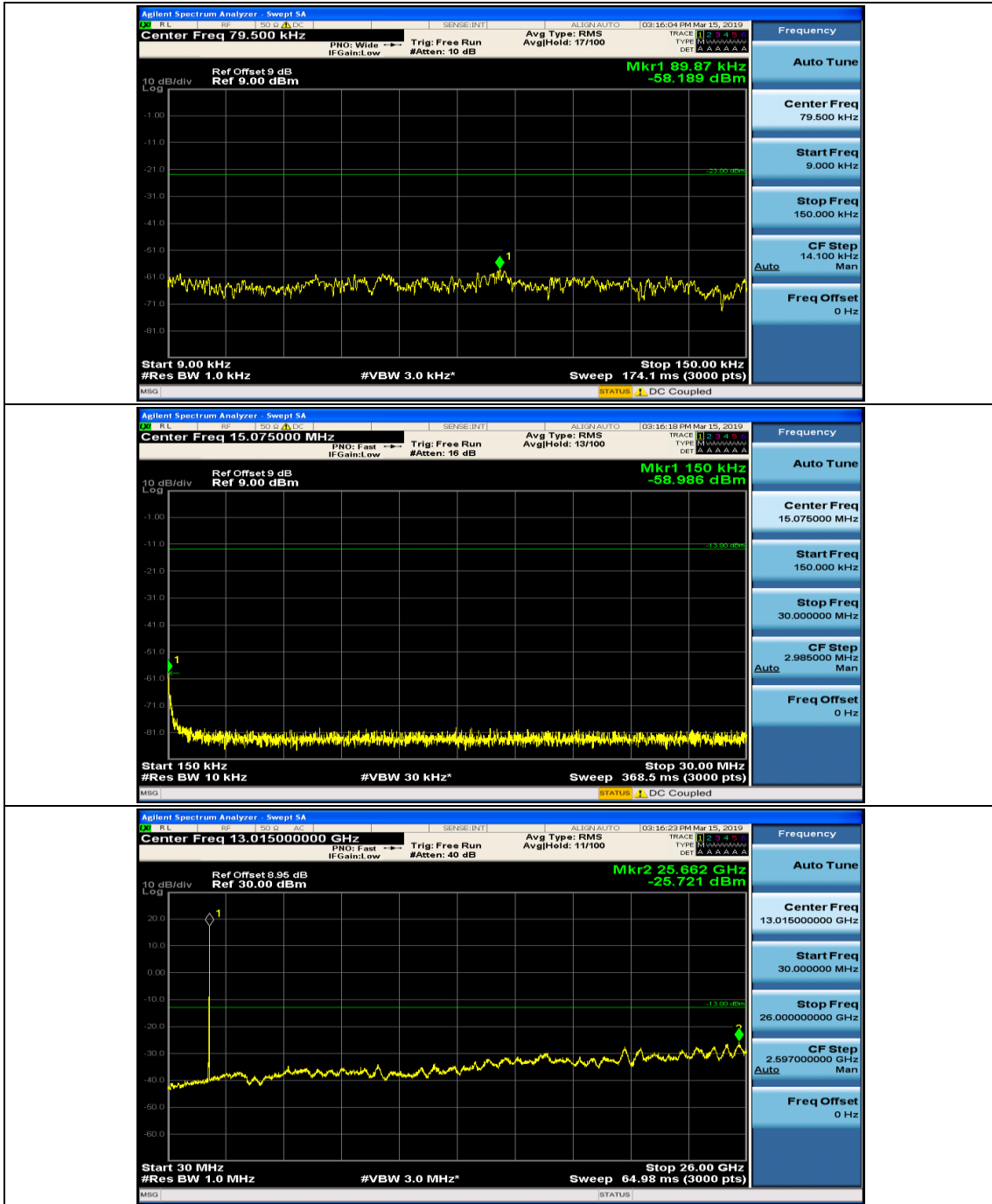


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0

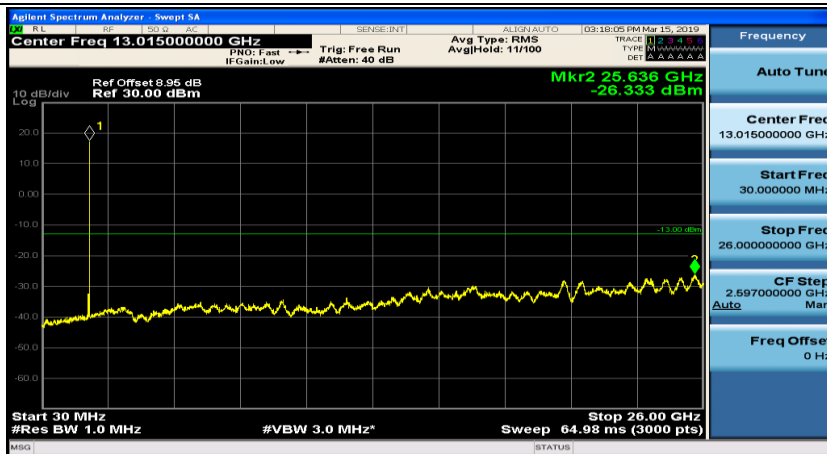
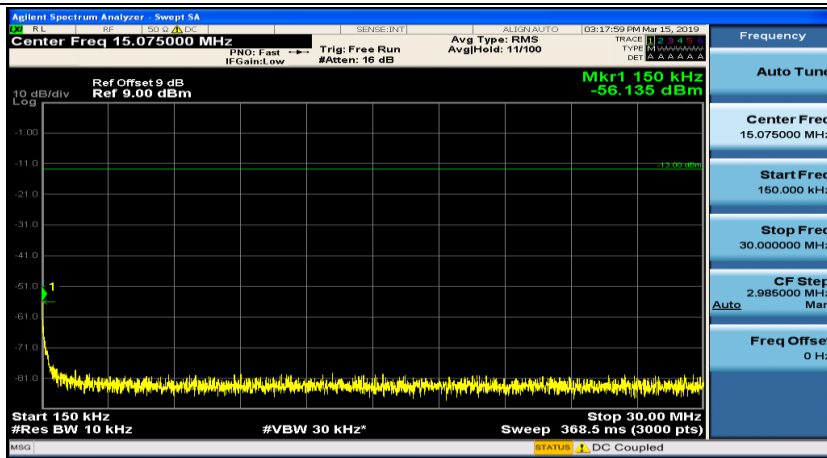
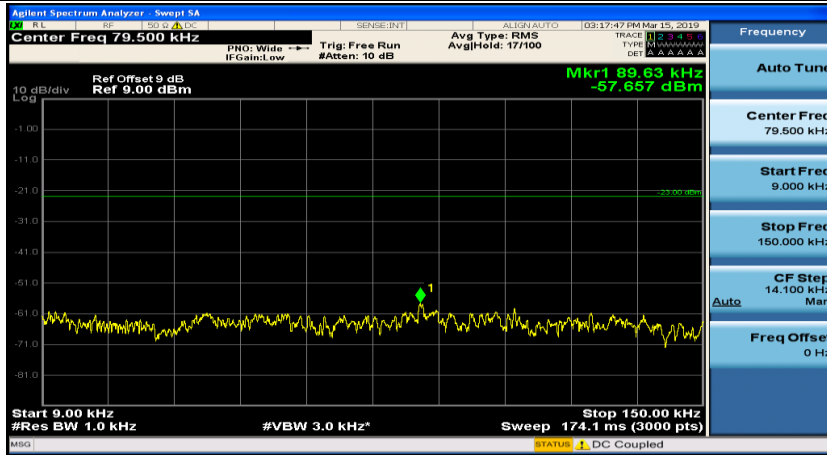


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49

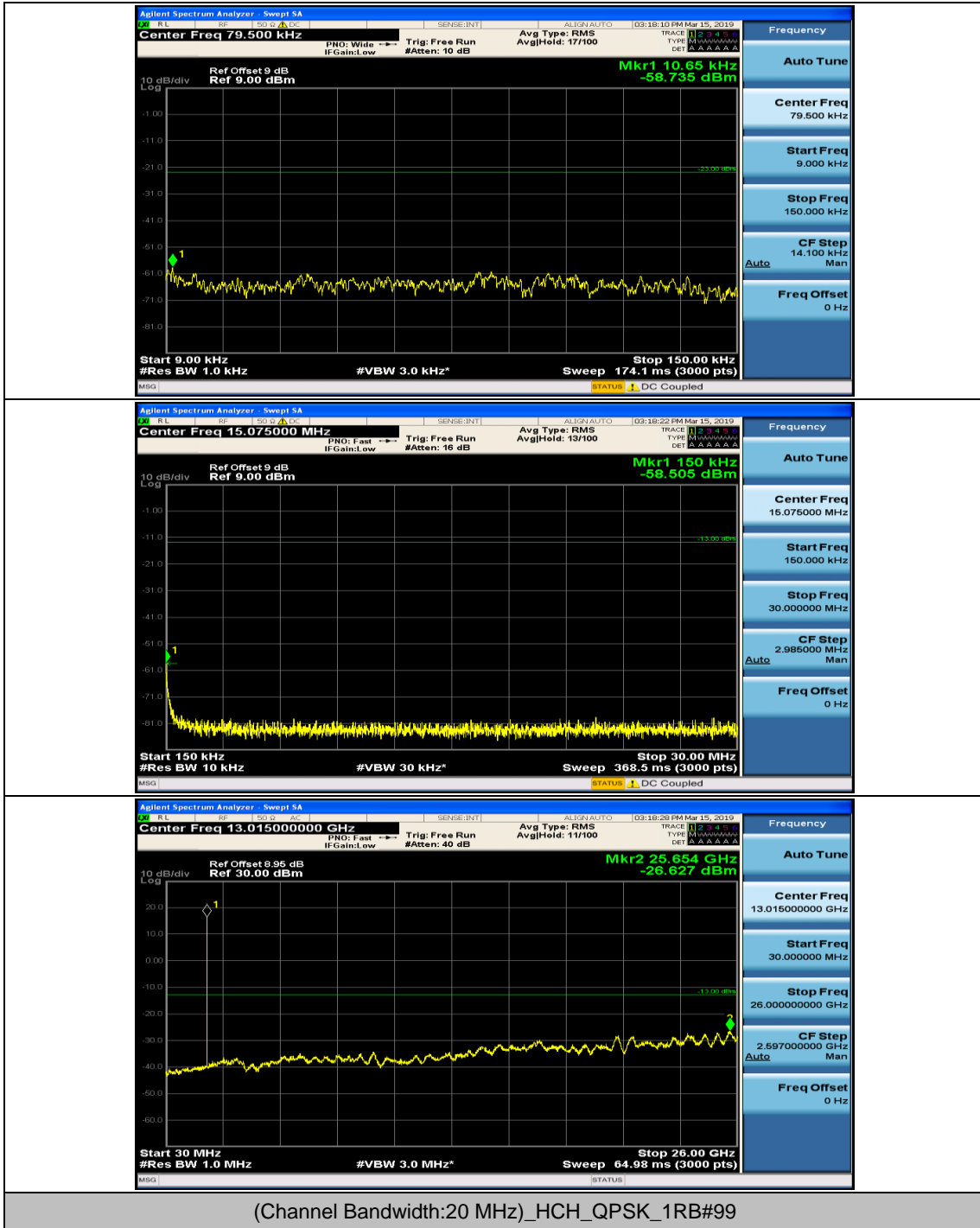


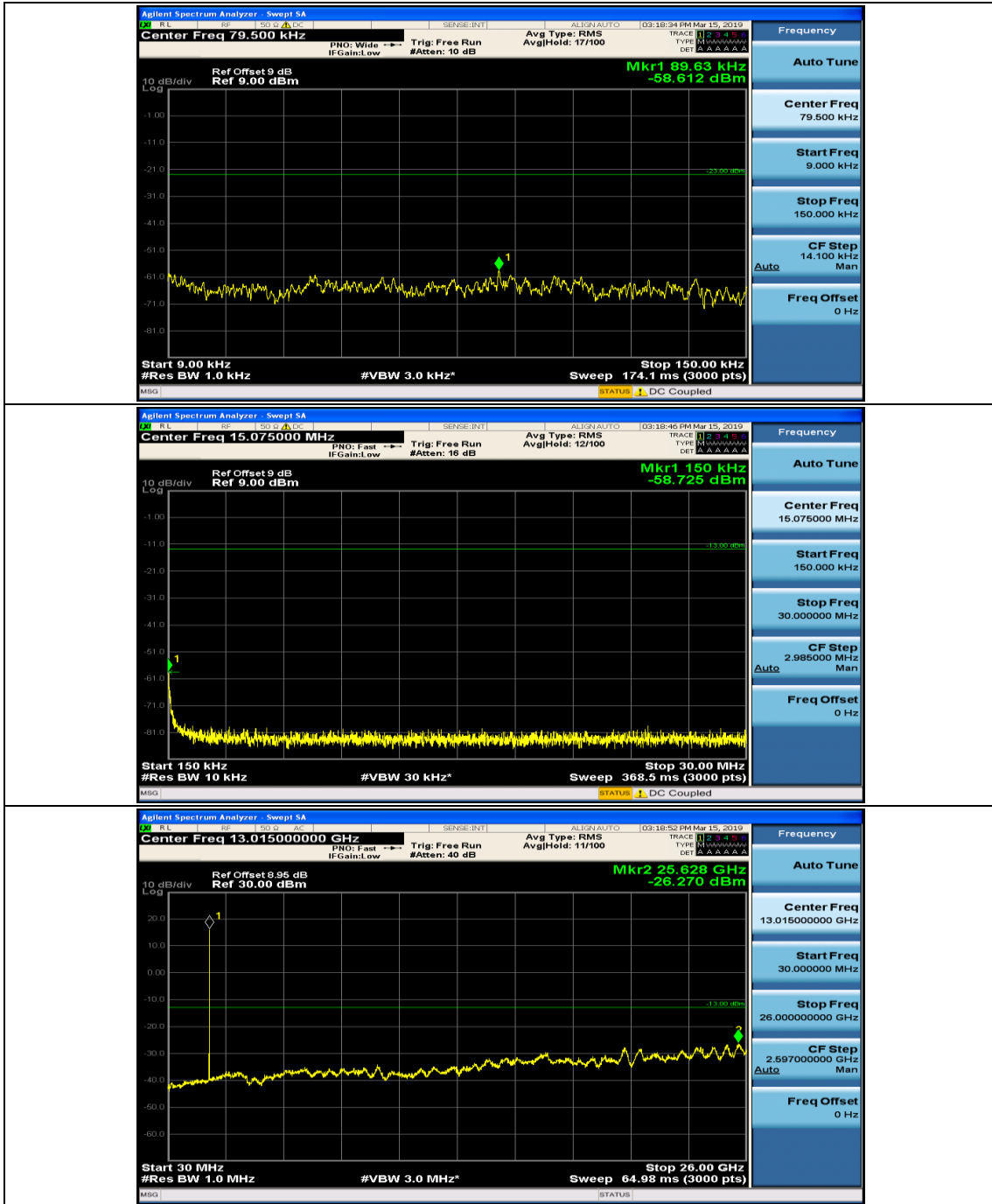


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0



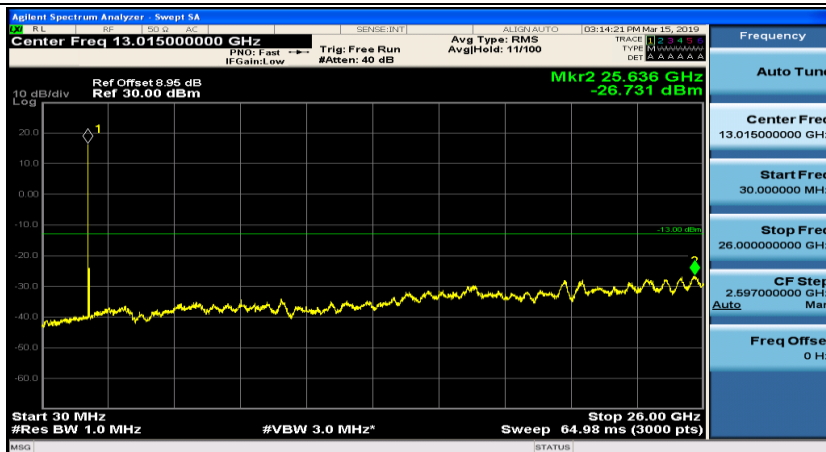
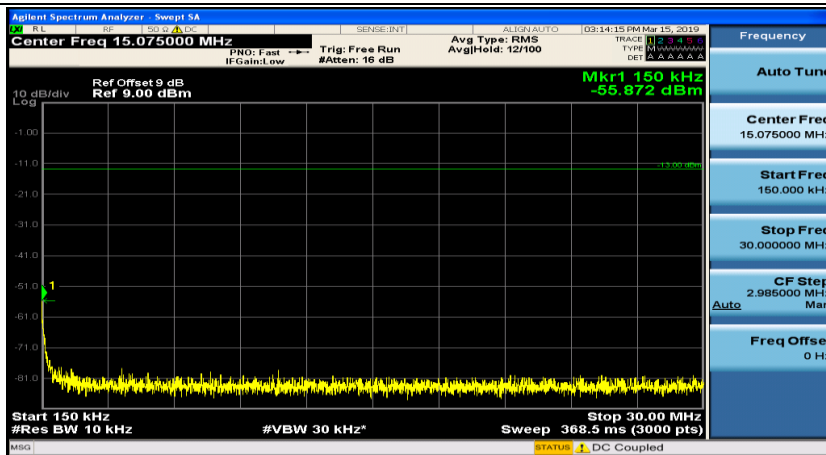
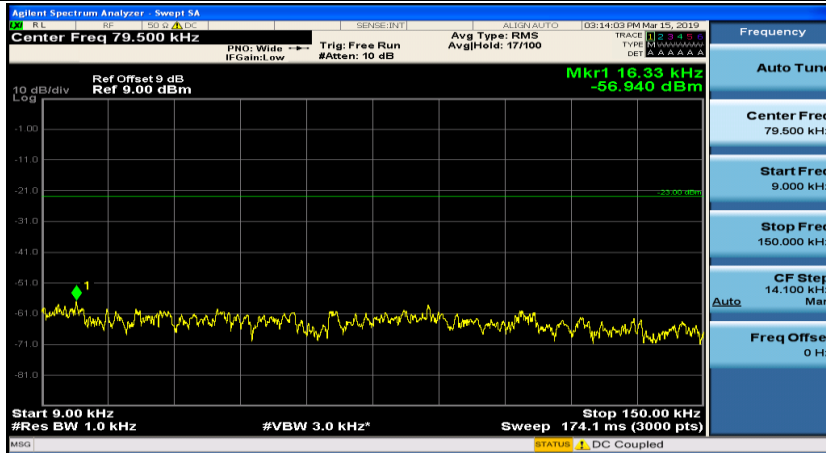
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49



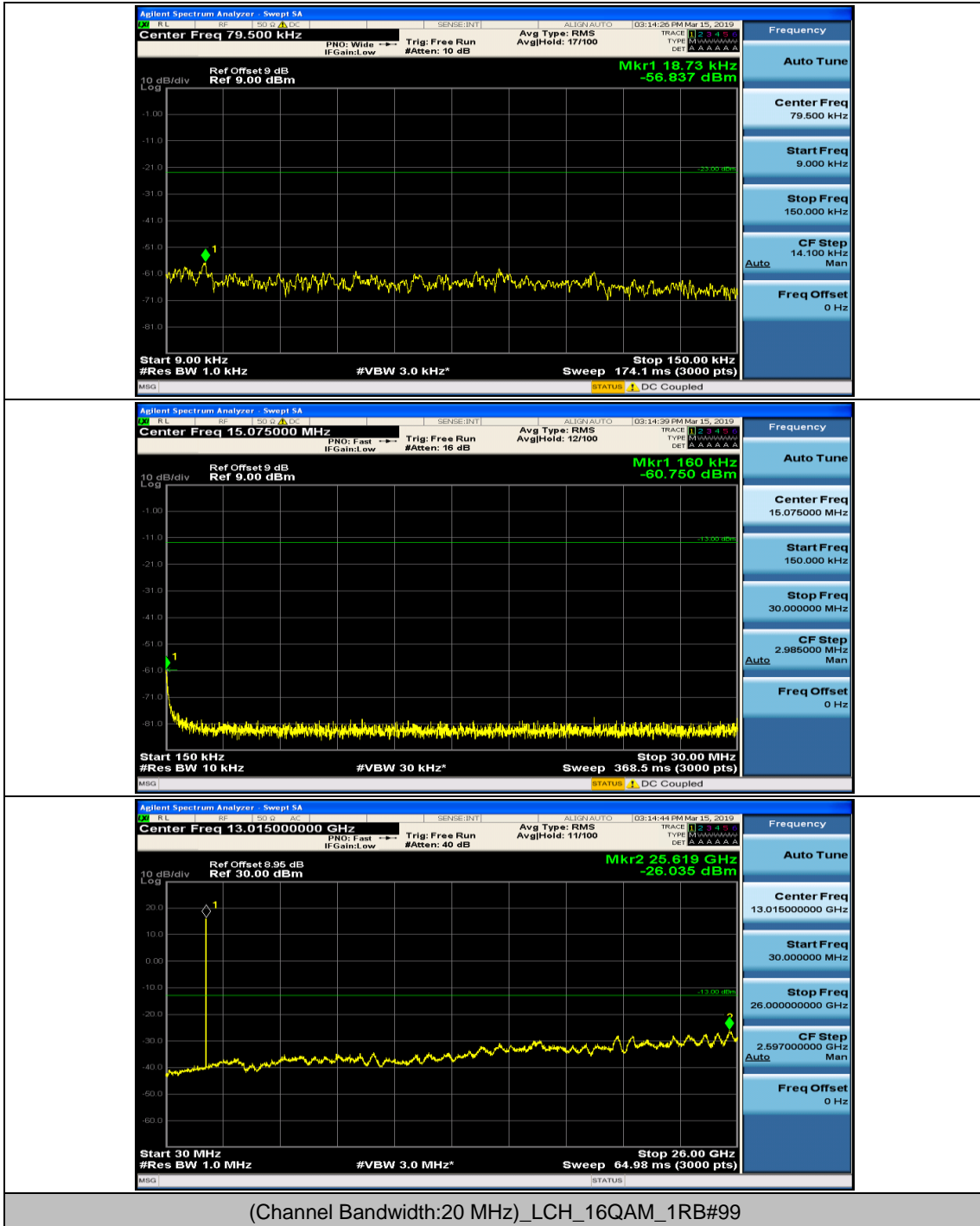


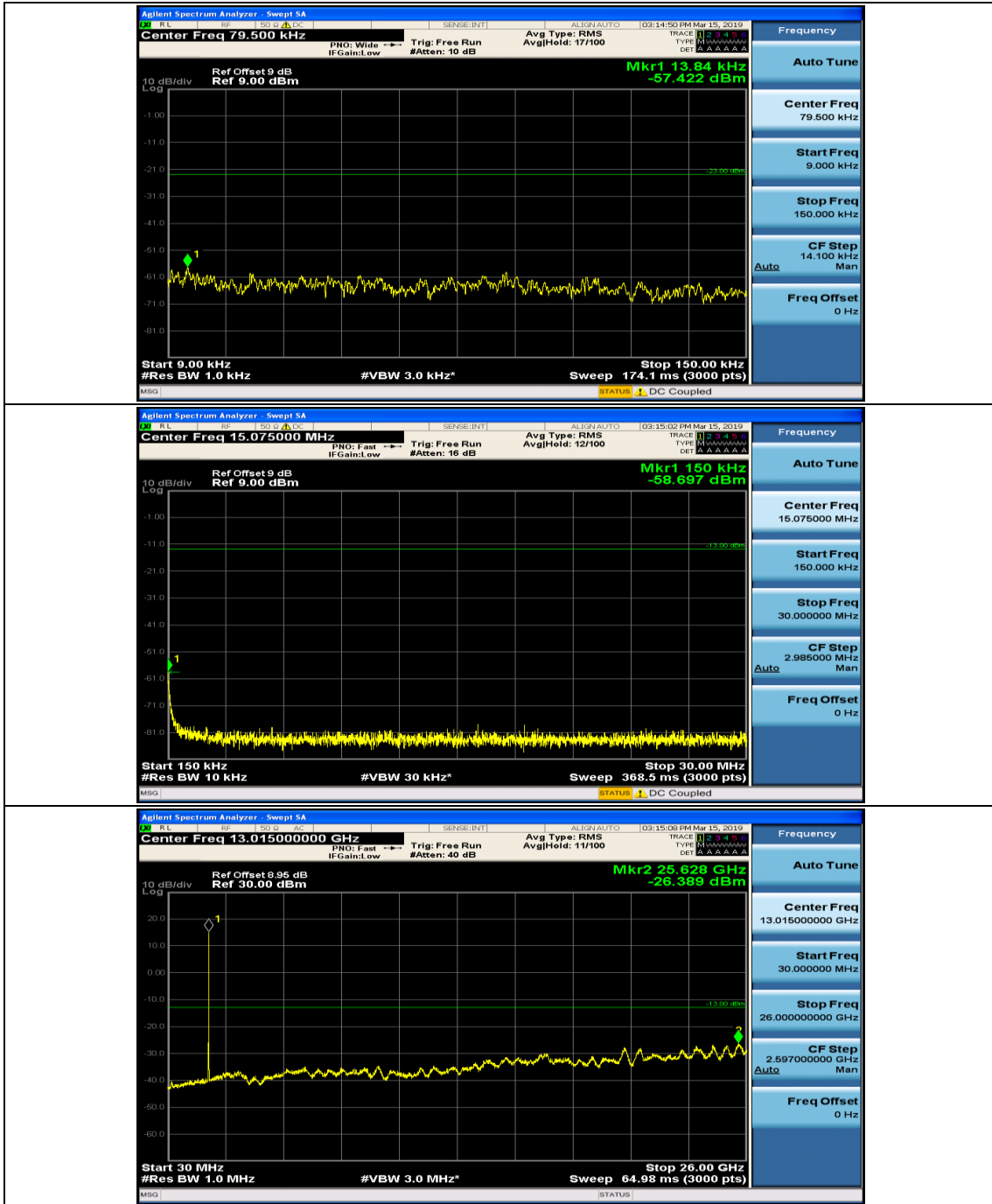


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0

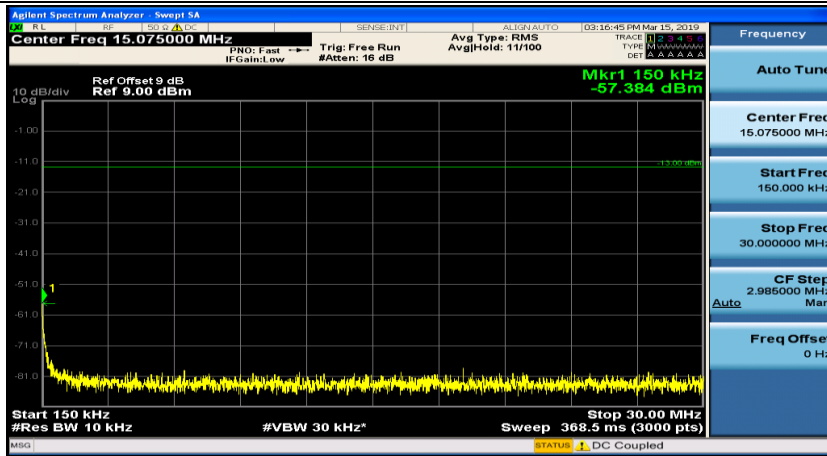
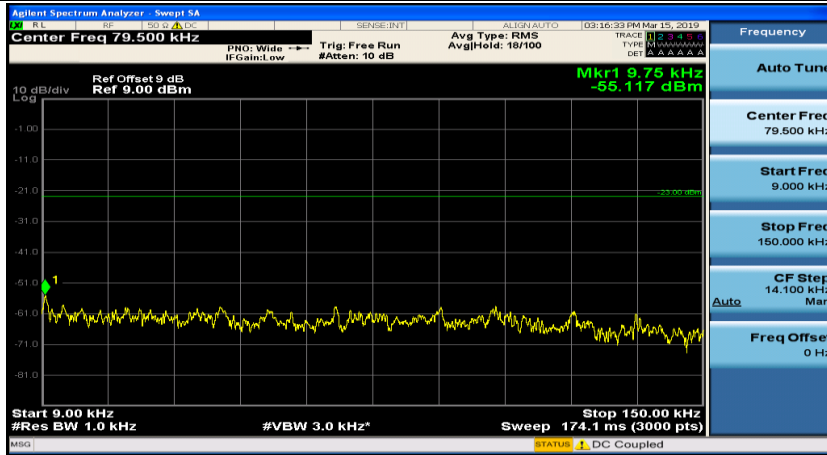


(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49

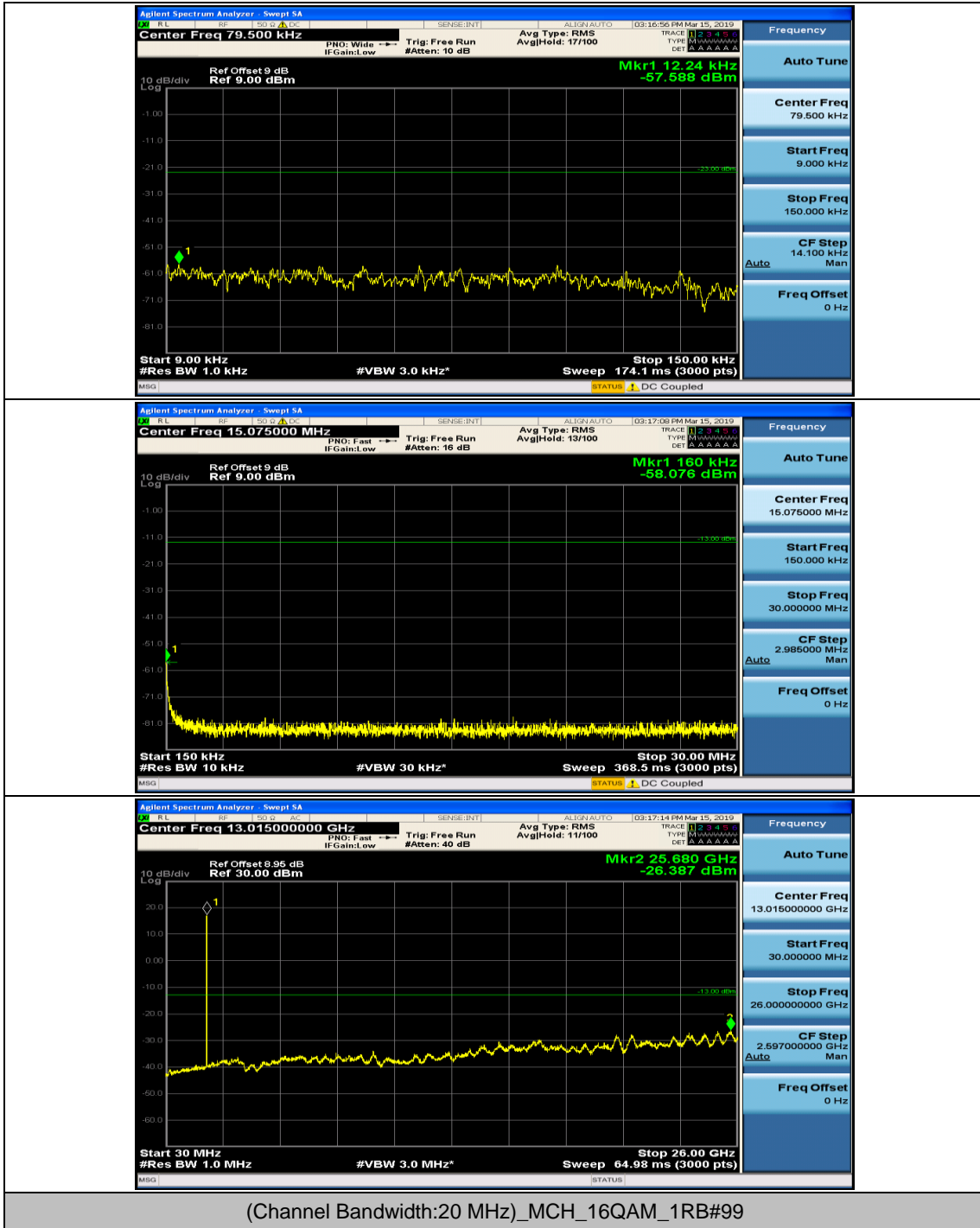


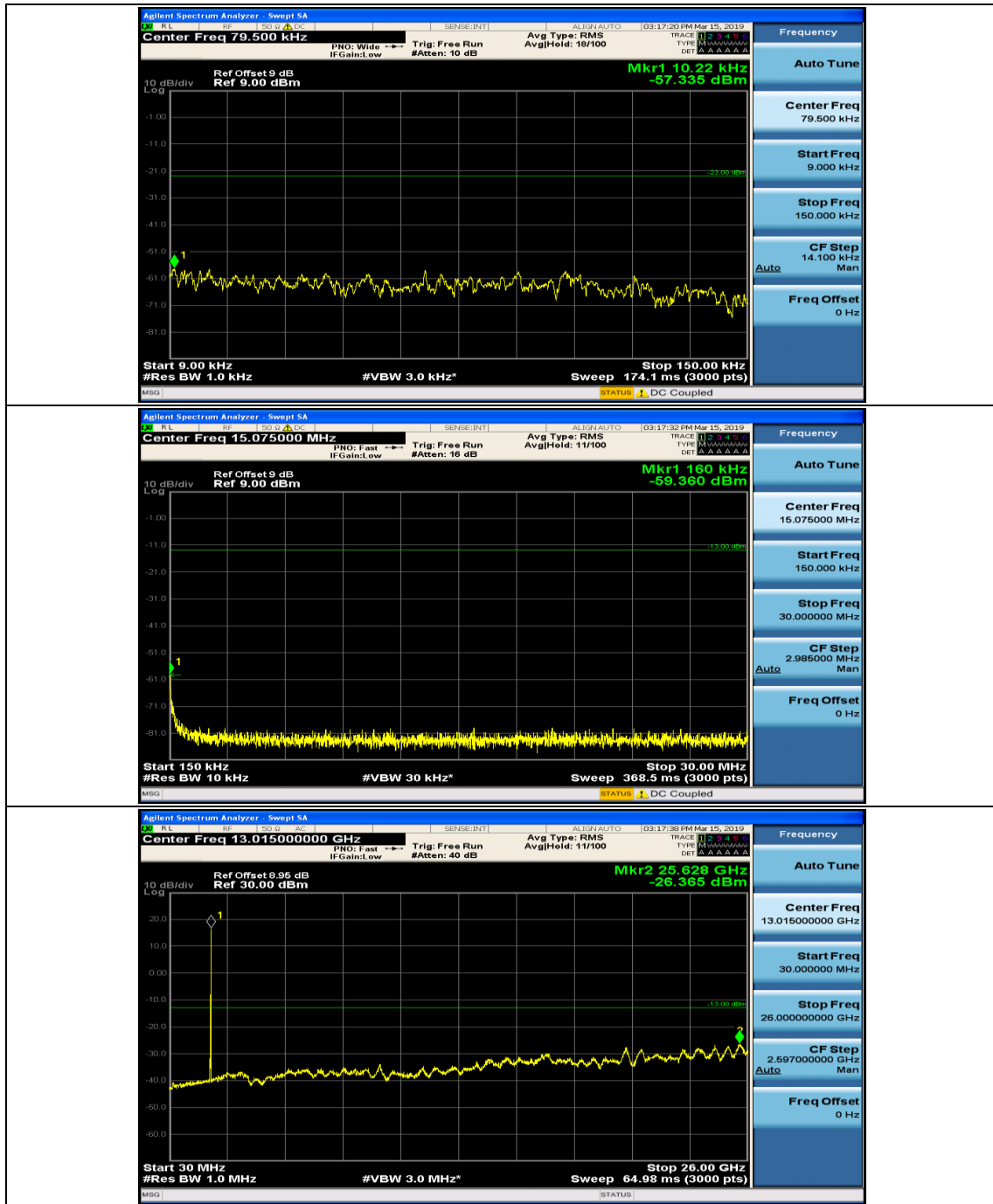


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

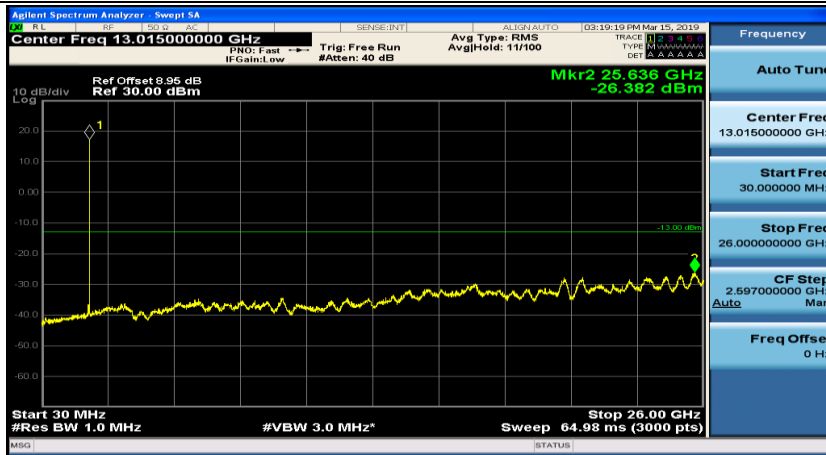
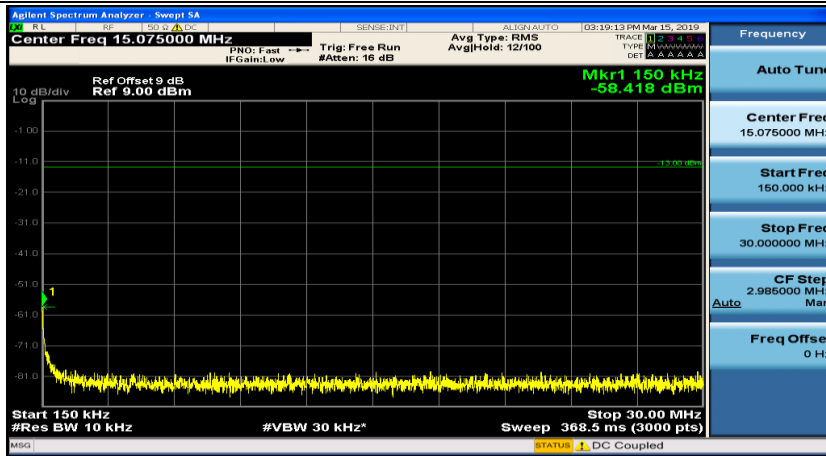
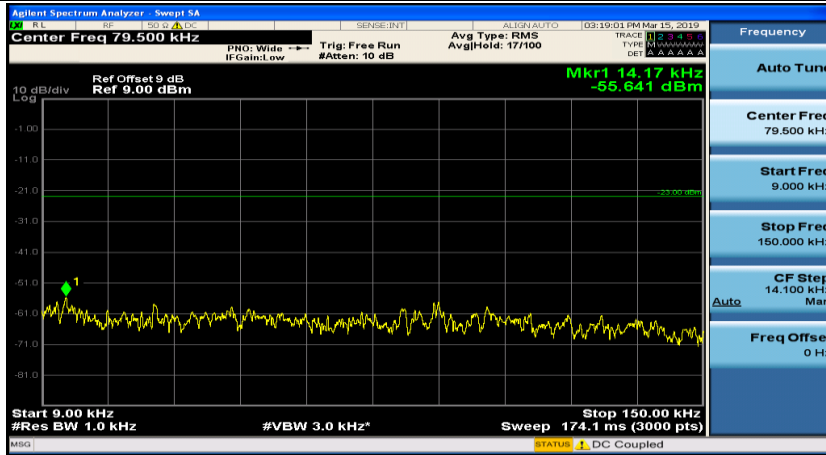


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49

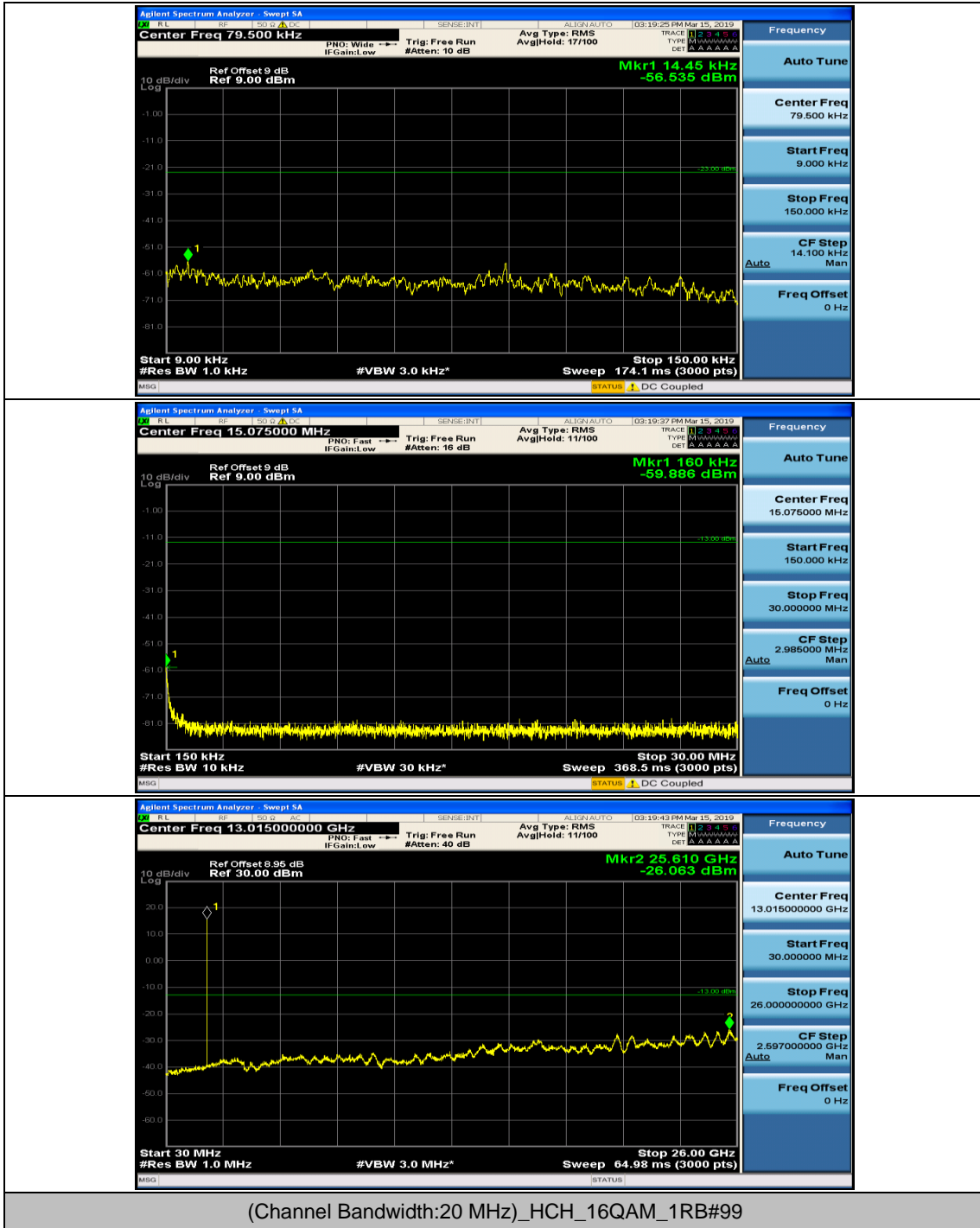




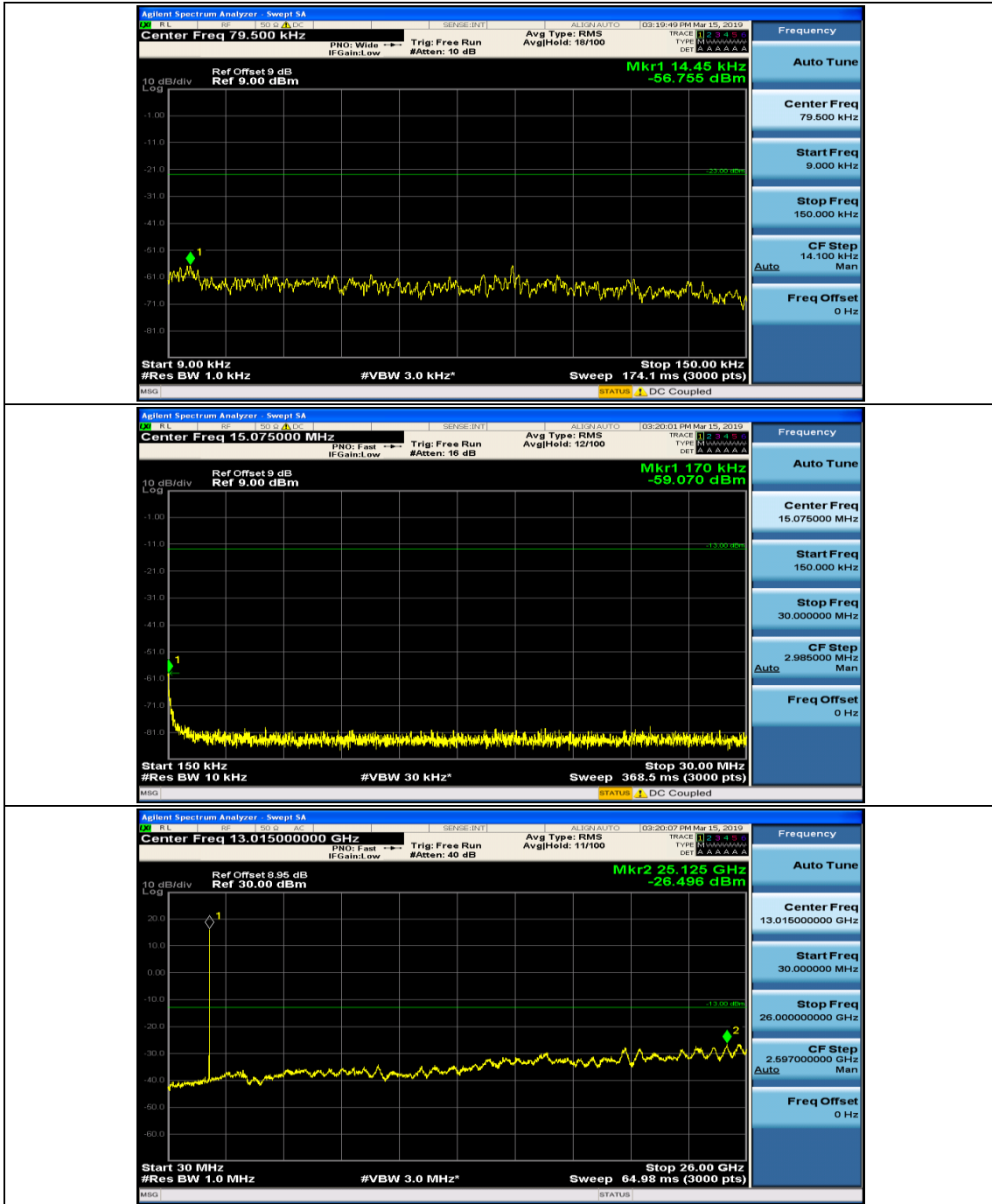
(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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	2.94	0.001589	± 2.5	PASS
		VN	TN	-0.83	-0.000448	± 2.5	PASS
		VH	TN	3.53	0.001907	± 2.5	PASS
	MCH	VL	TN	2.22	0.001181	± 2.5	PASS
		VN	TN	1.31	0.000697	± 2.5	PASS
		VH	TN	4.49	0.002388	± 2.5	PASS
	HCH	VL	TN	4.75	0.002488	± 2.5	PASS
		VN	TN	-0.19	-0.000100	± 2.5	PASS
		VH	TN	4.67	0.002446	± 2.5	PASS
16QAM	LCH	VL	TN	-1.25	-0.000675	± 2.5	PASS
		VN	TN	1.59	0.000859	± 2.5	PASS
		VH	TN	0.61	0.000330	± 2.5	PASS
	MCH	VL	TN	4	0.002128	± 2.5	PASS
		VN	TN	-1.52	-0.000809	± 2.5	PASS
		VH	TN	4.73	0.002516	± 2.5	PASS
	HCH	VL	TN	0.47	0.000246	± 2.5	PASS
		VN	TN	2.5	0.001309	± 2.5	PASS
		VH	TN	4.18	0.002189	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.85	0.001540	± 2.5	PASS
		VN	-20	1.35	0.000729	± 2.5	PASS
		VN	-10	2.96	0.001599	± 2.5	PASS
		VN	0	1.64	0.000886	± 2.5	PASS
		VN	10	4.59	0.002480	± 2.5	PASS
		VN	20	0.73	0.000394	± 2.5	PASS
		VN	30	4.72	0.002550	± 2.5	PASS
		VN	40	-0.34	-0.000184	± 2.5	PASS
		VN	50	0.99	0.000535	± 2.5	PASS
	MCH	VN	-30	3.28	0.001745	± 2.5	PASS

		VN	-20	1.08	0.000574	± 2.5	PASS
		VN	-10	3.09	0.001644	± 2.5	PASS
		VN	0	4.52	0.002404	± 2.5	PASS
		VN	10	0.55	0.000293	± 2.5	PASS
		VN	20	-1.07	-0.000569	± 2.5	PASS
		VN	30	0.79	0.000420	± 2.5	PASS
		VN	40	-0.25	-0.000133	± 2.5	PASS
		VN	50	-0.7	-0.000372	± 2.5	PASS
	HCH	VN	-30	4.05	0.002121	± 2.5	PASS
		VN	-20	3.41	0.001786	± 2.5	PASS
		VN	-10	0.53	0.000278	± 2.5	PASS
		VN	0	2.42	0.001267	± 2.5	PASS
		VN	10	-1.83	-0.000958	± 2.5	PASS
		VN	20	-0.64	-0.000335	± 2.5	PASS
		VN	30	0.96	0.000503	± 2.5	PASS
		VN	40	4.27	0.002236	± 2.5	PASS
		VN	50	0.85	0.000445	± 2.5	PASS
		16QAM	LCH	VN	-30	3.98	0.002151
VN	-20			2.53	0.001367	± 2.5	PASS
VN	-10			4.85	0.002621	± 2.5	PASS
VN	0			4.15	0.002242	± 2.5	PASS
VN	10			3.92	0.002118	± 2.5	PASS
VN	20			4.92	0.002658	± 2.5	PASS
VN	30			-1.29	-0.000697	± 2.5	PASS
VN	40			1.43	0.000773	± 2.5	PASS
VN	50			2.29	0.001237	± 2.5	PASS
MCH	VN		-30	-0.15	-0.000080	± 2.5	PASS
	VN		-20	-1.69	-0.000899	± 2.5	PASS
	VN		-10	-0.53	-0.000282	± 2.5	PASS
	VN		0	-0.41	-0.000218	± 2.5	PASS
	VN		10	-1.52	-0.000809	± 2.5	PASS
	VN		20	-1.74	-0.000926	± 2.5	PASS
	VN		30	1.2	0.000638	± 2.5	PASS
	VN		40	3.69	0.001963	± 2.5	PASS
	VN		50	0.29	0.000154	± 2.5	PASS
HCH	VN		-30	2.39	0.001252	± 2.5	PASS
	VN		-20	3.38	0.001770	± 2.5	PASS
	VN		-10	0.91	0.000477	± 2.5	PASS
	VN		0	4.53	0.002373	± 2.5	PASS
	VN		10	-0.47	-0.000246	± 2.5	PASS
	VN		20	-1.64	-0.000859	± 2.5	PASS

		VN	30	4.18	0.002189	± 2.5	PASS
		VN	40	-0.21	-0.000110	± 2.5	PASS
		VN	50	2.36	0.001236	± 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	0.14	0.000076	± 2.5	PASS
		VN	TN	1.3	0.000702	± 2.5	PASS
		VH	TN	0.5	0.000270	± 2.5	PASS
	MCH	VL	TN	3.95	0.002101	± 2.5	PASS
		VN	TN	0.73	0.000388	± 2.5	PASS
		VH	TN	-0.64	-0.000340	± 2.5	PASS
	HCH	VL	TN	-0.16	-0.000084	± 2.5	PASS
		VN	TN	-0.07	-0.000037	± 2.5	PASS
		VH	TN	4.83	0.002531	± 2.5	PASS
16QAM	LCH	VL	TN	2	0.001080	± 2.5	PASS
		VN	TN	3.79	0.002047	± 2.5	PASS
		VH	TN	-0.69	-0.000373	± 2.5	PASS
	MCH	VL	TN	2.27	0.001207	± 2.5	PASS
		VN	TN	3.83	0.002037	± 2.5	PASS
		VH	TN	0.42	0.000223	± 2.5	PASS
	HCH	VL	TN	4.99	0.002615	± 2.5	PASS
		VN	TN	1.62	0.000849	± 2.5	PASS
		VH	TN	1.45	0.000760	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.27	0.000146	± 2.5	PASS
		VN	-20	4.35	0.002349	± 2.5	PASS
		VN	-10	2.15	0.001161	± 2.5	PASS
		VN	0	1.73	0.000934	± 2.5	PASS
		VN	10	2.07	0.001118	± 2.5	PASS
		VN	20	-1.45	-0.000783	± 2.5	PASS
		VN	30	1.58	0.000853	± 2.5	PASS
		VN	40	0.34	0.000184	± 2.5	PASS
		VN	50	3.05	0.001647	± 2.5	PASS
	MCH	VN	-30	-1	-0.000532	± 2.5	PASS
		VN	-20	3.57	0.001899	± 2.5	PASS

		VN	-10	2.52	0.001340	± 2.5	PASS	
		VN	0	-1.76	-0.000936	± 2.5	PASS	
		VN	10	-0.99	-0.000527	± 2.5	PASS	
		VN	20	-1.7	-0.000904	± 2.5	PASS	
		VN	30	3.19	0.001697	± 2.5	PASS	
		VN	40	4.15	0.002207	± 2.5	PASS	
		VN	50	1.6	0.000851	± 2.5	PASS	
	HCH	VN	-30	3.59	0.001881	± 2.5	PASS	
		VN	-20	2	0.001048	± 2.5	PASS	
		VN	-10	-1.09	-0.000571	± 2.5	PASS	
		VN	0	4.3	0.002253	± 2.5	PASS	
		VN	10	1.37	0.000718	± 2.5	PASS	
		VN	20	0.4	0.000210	± 2.5	PASS	
		VN	30	3.21	0.001682	± 2.5	PASS	
	QPSK	LCH	VN	40	4.52	0.002368	± 2.5	PASS
			VN	50	2.81	0.001472	± 2.5	PASS
			VN	-30	-1.15	-0.000621	± 2.5	PASS
			VN	-20	0.83	0.000448	± 2.5	PASS
VN			-10	-1.16	-0.000627	± 2.5	PASS	
VN			0	-1.95	-0.001053	± 2.5	PASS	
VN			10	4.39	0.002371	± 2.5	PASS	
VN			20	0.86	0.000464	± 2.5	PASS	
VN			30	-0.16	-0.000086	± 2.5	PASS	
MCH		VN	40	1.58	0.000853	± 2.5	PASS	
		VN	50	3.49	0.001885	± 2.5	PASS	
		VN	-30	-1.86	-0.000989	± 2.5	PASS	
		VN	-20	-0.28	-0.000149	± 2.5	PASS	
		VN	-10	-1.92	-0.001021	± 2.5	PASS	
		VN	0	3.09	0.001644	± 2.5	PASS	
		VN	10	2.6	0.001383	± 2.5	PASS	
		VN	20	-1.87	-0.000995	± 2.5	PASS	
		VN	30	3.83	0.002037	± 2.5	PASS	
HCH	VN	40	1.4	0.000745	± 2.5	PASS		
	VN	50	0.37	0.000197	± 2.5	PASS		
	VN	-30	4.52	0.002368	± 2.5	PASS		
	VN	-20	2.22	0.001163	± 2.5	PASS		
	VN	-10	-1.23	-0.000644	± 2.5	PASS		
	VN	0	1.75	0.000917	± 2.5	PASS		
	VN	10	0.44	0.000231	± 2.5	PASS		
VN	20	0.1	0.000052	± 2.5	PASS			
VN	30	-0.77	-0.000403	± 2.5	PASS			

		VN	40	-1.48	-0.000775	± 2.5	PASS
		VN	50	2.98	0.001561	± 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	0.75	0.000405	± 2.5	PASS
		VN	TN	0.11	0.000059	± 2.5	PASS
		VH	TN	1.04	0.000561	± 2.5	PASS
	MCH	VL	TN	-0.19	-0.000101	± 2.5	PASS
		VN	TN	2.45	0.001303	± 2.5	PASS
		VH	TN	0.73	0.000388	± 2.5	PASS
	HCH	VL	TN	-0.86	-0.000451	± 2.5	PASS
		VN	TN	-0.89	-0.000467	± 2.5	PASS
		VH	TN	-1.17	-0.000613	± 2.5	PASS
16QAM	LCH	VL	TN	2.91	0.001571	± 2.5	PASS
		VN	TN	2.69	0.001452	± 2.5	PASS
		VH	TN	1.3	0.000702	± 2.5	PASS
	MCH	VL	TN	-0.61	-0.000324	± 2.5	PASS
		VN	TN	2.46	0.001309	± 2.5	PASS
		VH	TN	2.31	0.001229	± 2.5	PASS
	HCH	VL	TN	-0.48	-0.000252	± 2.5	PASS
		VN	TN	3.21	0.001683	± 2.5	PASS
		VH	TN	4.56	0.002391	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.4	0.000216	± 2.5	PASS
		VN	-20	3.02	0.001630	± 2.5	PASS
		VN	-10	-1.37	-0.000740	± 2.5	PASS
		VN	0	0.83	0.000448	± 2.5	PASS
		VN	10	-0.91	-0.000491	± 2.5	PASS
		VN	20	3.57	0.001927	± 2.5	PASS
		VN	30	0.1	0.000054	± 2.5	PASS
		VN	40	2.44	0.001317	± 2.5	PASS
		VN	50	2.24	0.001209	± 2.5	PASS
	MCH	VN	-30	2.42	0.001287	± 2.5	PASS
		VN	-20	0.65	0.000346	± 2.5	PASS
		VN	-10	-1.31	-0.000697	± 2.5	PASS

		VN	0	1.54	0.000819	± 2.5	PASS		
		VN	10	3.13	0.001665	± 2.5	PASS		
		VN	20	-0.34	-0.000181	± 2.5	PASS		
		VN	30	2.7	0.001436	± 2.5	PASS		
		VN	40	0.56	0.000298	± 2.5	PASS		
		VN	50	-0.28	-0.000149	± 2.5	PASS		
	HCH	VN	-30	2.49	0.001305	± 2.5	PASS		
		VN	-20	-0.85	-0.000446	± 2.5	PASS		
		VN	-10	0.24	0.000126	± 2.5	PASS		
		VN	0	-0.79	-0.000414	± 2.5	PASS		
		VN	10	-1.61	-0.000844	± 2.5	PASS		
		VN	20	-0.62	-0.000325	± 2.5	PASS		
		VN	30	2.97	0.001557	± 2.5	PASS		
		VN	40	1.82	0.000954	± 2.5	PASS		
		VN	50	-0.29	-0.000152	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.71	-0.000383	± 2.5	PASS
				VN	-20	0.31	0.000167	± 2.5	PASS
				VN	-10	0.77	0.000416	± 2.5	PASS
VN	0			1.65	0.000891	± 2.5	PASS		
VN	10			-0.47	-0.000254	± 2.5	PASS		
VN	20			2.59	0.001398	± 2.5	PASS		
VN	30			-1.04	-0.000561	± 2.5	PASS		
VN	40			1.07	0.000578	± 2.5	PASS		
VN	50			4.37	0.002359	± 2.5	PASS		
MCH	VN		-30	-1.18	-0.000628	± 2.5	PASS		
	VN		-20	-1.36	-0.000723	± 2.5	PASS		
	VN		-10	4.28	0.002277	± 2.5	PASS		
	VN		0	4.15	0.002207	± 2.5	PASS		
	VN		10	2.1	0.001117	± 2.5	PASS		
	VN		20	2.44	0.001298	± 2.5	PASS		
	VN		30	-1.5	-0.000798	± 2.5	PASS		
	VN		40	3.87	0.002059	± 2.5	PASS		
	VN		50	4.05	0.002154	± 2.5	PASS		
HCH	VN		-30	1.64	0.000860	± 2.5	PASS		
	VN		-20	4.73	0.002480	± 2.5	PASS		
	VN		-10	1.04	0.000545	± 2.5	PASS		
	VN		0	2.24	0.001174	± 2.5	PASS		
	VN		10	1.32	0.000692	± 2.5	PASS		
	VN		20	3.51	0.001840	± 2.5	PASS		
	VN		30	-0.49	-0.000257	± 2.5	PASS		
	VN		40	2.9	0.001520	± 2.5	PASS		

		VN	50	4.64	0.002433	± 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	4.92	0.002652	± 2.5	PASS
		VN	TN	3.41	0.001838	± 2.5	PASS
		VH	TN	0.77	0.000415	± 2.5	PASS
	MCH	VL	TN	4.37	0.002324	± 2.5	PASS
		VN	TN	-1.32	-0.000702	± 2.5	PASS
		VH	TN	2.94	0.001564	± 2.5	PASS
	HCH	VL	TN	2.9	0.001522	± 2.5	PASS
		VN	TN	1.24	0.000651	± 2.5	PASS
		VH	TN	3.14	0.001648	± 2.5	PASS
16QAM	LCH	VL	TN	1.5	0.000809	± 2.5	PASS
		VN	TN	-1.45	-0.000782	± 2.5	PASS
		VH	TN	1.45	0.000782	± 2.5	PASS
	MCH	VL	TN	-0.96	-0.000511	± 2.5	PASS
		VN	TN	3.01	0.001601	± 2.5	PASS
		VH	TN	-0.23	-0.000122	± 2.5	PASS
	HCH	VL	TN	2.87	0.001507	± 2.5	PASS
		VN	TN	3.08	0.001617	± 2.5	PASS
		VH	TN	2.16	0.001134	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.000043	0.000043	± 2.5	PASS
		VN	-20	0.000361	0.000361	± 2.5	PASS
		VN	-10	0.002501	0.002501	± 2.5	PASS
		VN	0	0.002199	0.002199	± 2.5	PASS
		VN	10	0.001633	0.001633	± 2.5	PASS
		VN	20	-0.000712	-0.000712	± 2.5	PASS
		VN	30	0.001332	0.001332	± 2.5	PASS
		VN	40	0.001892	0.001892	± 2.5	PASS
		VN	50	0.001833	0.001833	± 2.5	PASS
	MCH	VN	-30	0.000644	0.000644	± 2.5	PASS
		VN	-20	0.001505	0.001505	± 2.5	PASS
		VN	-10	0.001085	0.001085	± 2.5	PASS
		VN	0	0.001112	0.001112	± 2.5	PASS
		VN	0	0.001112	0.001112	± 2.5	PASS



		VN	10	0.000303	0.000303	± 2.5	PASS
		VN	20	-0.000160	-0.000160	± 2.5	PASS
		VN	30	0.001766	0.001766	± 2.5	PASS
		VN	40	0.001729	0.001729	± 2.5	PASS
		VN	50	0.001324	0.001324	± 2.5	PASS
	HCH	VN	-30	-0.000646	-0.000646	± 2.5	PASS
		VN	-20	0.000031	0.000031	± 2.5	PASS
		VN	-10	-0.001008	-0.001008	± 2.5	PASS
		VN	0	0.001396	0.001396	± 2.5	PASS
		VN	10	0.002331	0.002331	± 2.5	PASS
		VN	20	-0.000446	-0.000446	± 2.5	PASS
		VN	30	0.001239	0.001239	± 2.5	PASS
		VN	40	0.002194	0.002194	± 2.5	PASS
		VN	50	0.002005	0.002005	± 2.5	PASS
		QPSK	LCH	VN	-30	0.001035	0.001035
VN	-20			0.001601	0.001601	± 2.5	PASS
VN	-10			-0.000760	-0.000760	± 2.5	PASS
VN	0			0.002690	0.002690	± 2.5	PASS
VN	10			0.000345	0.000345	± 2.5	PASS
VN	20			-0.000119	-0.000119	± 2.5	PASS
VN	30			0.001164	0.001164	± 2.5	PASS
VN	40			0.001946	0.001946	± 2.5	PASS
VN	50			0.002113	0.002113	± 2.5	PASS
MCH	VN		-30	0.000000	0.000000	± 2.5	PASS
	VN		-20	0.001814	0.001814	± 2.5	PASS
	VN		-10	0.000027	0.000027	± 2.5	PASS
	VN		0	-0.000676	-0.000676	± 2.5	PASS
	VN		10	0.001298	0.001298	± 2.5	PASS
	VN		20	0.001606	0.001606	± 2.5	PASS
	VN		30	0.000723	0.000723	± 2.5	PASS
	VN		40	0.001851	0.001851	± 2.5	PASS
	VN		50	0.001399	0.001399	± 2.5	PASS
HCH	VN		-30	0.000457	0.000457	± 2.5	PASS
	VN		-20	-0.000945	-0.000945	± 2.5	PASS
	VN		-10	0.001549	0.001549	± 2.5	PASS
	VN		0	-0.000058	-0.000058	± 2.5	PASS
	VN		10	0.001323	0.001323	± 2.5	PASS
	VN		20	0.001060	0.001060	± 2.5	PASS
	VN		30	0.000136	0.000136	± 2.5	PASS
	VN		40	0.001559	0.001559	± 2.5	PASS
	VN		50	-0.000457	-0.000457	± 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	2.48	0.001335	± 2.5	PASS
		VN	TN	0.08	0.000043	± 2.5	PASS
		VH	TN	3.42	0.001841	± 2.5	PASS
	MCH	VL	TN	-0.43	-0.000229	± 2.5	PASS
		VN	TN	4.28	0.002277	± 2.5	PASS
		VH	TN	2.21	0.001176	± 2.5	PASS
	HCH	VL	TN	4.27	0.002244	± 2.5	PASS
		VN	TN	-0.28	-0.000147	± 2.5	PASS
		VH	TN	0.2	0.000105	± 2.5	PASS
16QAM	LCH	VL	TN	2.93	0.001577	± 2.5	PASS
		VN	TN	4.62	0.002487	± 2.5	PASS
		VH	TN	-1.21	-0.000651	± 2.5	PASS
	MCH	VL	TN	0.65	0.000346	± 2.5	PASS
		VN	TN	3.48	0.001851	± 2.5	PASS
		VH	TN	1.38	0.000734	± 2.5	PASS
	HCH	VL	TN	-1.34	-0.000704	± 2.5	PASS
		VN	TN	1.43	0.000752	± 2.5	PASS
		VH	TN	1.42	0.000746	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.26	0.000678	± 2.5	PASS
		VN	-20	0.95	0.000511	± 2.5	PASS
		VN	-10	3.69	0.001987	± 2.5	PASS
		VN	0	4.86	0.002616	± 2.5	PASS
		VN	10	1.74	0.000937	± 2.5	PASS
		VN	20	2.49	0.001341	± 2.5	PASS
		VN	30	3.02	0.001626	± 2.5	PASS
		VN	40	0.81	0.000436	± 2.5	PASS
		VN	50	1.08	0.000581	± 2.5	PASS
	MCH	VN	-30	-0.63	-0.000335	± 2.5	PASS
		VN	-20	-1.04	-0.000553	± 2.5	PASS
		VN	-10	2.63	0.001399	± 2.5	PASS
		VN	0	4.74	0.002521	± 2.5	PASS
		VN	10	-0.31	-0.000165	± 2.5	PASS
		VN	20	2.33	0.001239	± 2.5	PASS

		VN	30	-1.35	-0.000718	± 2.5	PASS
		VN	40	1.14	0.000606	± 2.5	PASS
		VN	50	1.37	0.000729	± 2.5	PASS
	HCH	VN	-30	-1.76	-0.000925	± 2.5	PASS
		VN	-20	4.4	0.002313	± 2.5	PASS
		VN	-10	-1.21	-0.000636	± 2.5	PASS
		VN	0	2.48	0.001304	± 2.5	PASS
		VN	10	1.43	0.000752	± 2.5	PASS
		VN	20	0.62	0.000326	± 2.5	PASS
		VN	30	0.58	0.000305	± 2.5	PASS
		VN	40	2.21	0.001162	± 2.5	PASS
		VN	50	-0.37	-0.000194	± 2.5	PASS
		QPSK	LCH	VN	-30	0.17	0.000092
VN	-20			2.95	0.001588	± 2.5	PASS
VN	-10			-1.72	-0.000926	± 2.5	PASS
VN	0			3.62	0.001949	± 2.5	PASS
VN	10			-0.03	-0.000016	± 2.5	PASS
VN	20			2.8	0.001507	± 2.5	PASS
VN	30			2.54	0.001367	± 2.5	PASS
VN	40			3.74	0.002013	± 2.5	PASS
VN	50			1.83	0.000985	± 2.5	PASS
MCH	VN		-30	0.75	0.000399	± 2.5	PASS
	VN		-20	3.46	0.001840	± 2.5	PASS
	VN		-10	1.83	0.000973	± 2.5	PASS
	VN		0	1.27	0.000676	± 2.5	PASS
	VN		10	-0.43	-0.000229	± 2.5	PASS
	VN		20	1.75	0.000931	± 2.5	PASS
	VN		30	4.52	0.002404	± 2.5	PASS
	VN		40	3.22	0.001713	± 2.5	PASS
	VN		50	0.26	0.000138	± 2.5	PASS
HCH	VN		-30	-0.6	-0.000315	± 2.5	PASS
	VN		-20	-1.81	-0.000951	± 2.5	PASS
	VN		-10	-1.48	-0.000778	± 2.5	PASS
	VN		0	-0.45	-0.000237	± 2.5	PASS
	VN		10	3.53	0.001855	± 2.5	PASS
	VN		20	-0.49	-0.000258	± 2.5	PASS
	VN		30	-0.56	-0.000294	± 2.5	PASS
	VN		40	2.77	0.001456	± 2.5	PASS
	VN		50	4.27	0.002244	± 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	3.22	0.001731	± 2.5	PASS
		VN	TN	2.8	0.001505	± 2.5	PASS
		VH	TN	1.3	0.000699	± 2.5	PASS
	MCH	VL	TN	-0.14	-0.000074	± 2.5	PASS
		VN	TN	-1.26	-0.000670	± 2.5	PASS
		VH	TN	-1.59	-0.000846	± 2.5	PASS
	HCH	VL	TN	1.17	0.000616	± 2.5	PASS
		VN	TN	1.03	0.000542	± 2.5	PASS
		VH	TN	4.22	0.002221	± 2.5	PASS
16QAM	LCH	VL	TN	-1.07	-0.000575	± 2.5	PASS
		VN	TN	-0.65	-0.000349	± 2.5	PASS
		VH	TN	0.04	0.000022	± 2.5	PASS
	MCH	VL	TN	4.51	0.002399	± 2.5	PASS
		VN	TN	0.28	0.000149	± 2.5	PASS
		VH	TN	2.58	0.001372	± 2.5	PASS
	HCH	VL	TN	4.22	0.002221	± 2.5	PASS
		VN	TN	0.12	0.000063	± 2.5	PASS
		VH	TN	1.85	0.000974	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.53	0.001360	± 2.5	PASS
		VN	-20	0.31	0.000167	± 2.5	PASS
		VN	-10	1.59	0.000855	± 2.5	PASS
		VN	0	-1.49	-0.000801	± 2.5	PASS
		VN	10	0.62	0.000333	± 2.5	PASS
		VN	20	-0.21	-0.000113	± 2.5	PASS
		VN	30	-0.49	-0.000263	± 2.5	PASS
		VN	40	-0.1	-0.000054	± 2.5	PASS
		VN	50	-1.74	-0.000935	± 2.5	PASS
	MCH	VN	-30	-1.04	-0.000553	± 2.5	PASS
		VN	-20	0.12	0.000064	± 2.5	PASS
		VN	-10	3.05	0.001622	± 2.5	PASS
		VN	0	0.46	0.000245	± 2.5	PASS
		VN	10	3.19	0.001697	± 2.5	PASS
		VN	20	2.84	0.001511	± 2.5	PASS

		VN	30	-1.98	-0.001053	± 2.5	PASS
		VN	40	-0.82	-0.000436	± 2.5	PASS
		VN	50	2.32	0.001234	± 2.5	PASS
	HCH	VN	-30	2.45	0.001289	± 2.5	PASS
		VN	-20	2.68	0.001411	± 2.5	PASS
		VN	-10	2.51	0.001321	± 2.5	PASS
		VN	0	2.45	0.001289	± 2.5	PASS
		VN	10	1.6	0.000842	± 2.5	PASS
		VN	20	4.67	0.002458	± 2.5	PASS
		VN	30	0.89	0.000468	± 2.5	PASS
		VN	40	0.95	0.000500	± 2.5	PASS
		VN	50	4.76	0.002505	± 2.5	PASS
QPSK	LCH	VN	-30	0.99	0.000532	± 2.5	PASS
		VN	-20	3.87	0.002081	± 2.5	PASS
		VN	-10	2	0.001075	± 2.5	PASS
		VN	0	-0.04	-0.000022	± 2.5	PASS
		VN	10	3.08	0.001656	± 2.5	PASS
		VN	20	3.05	0.001640	± 2.5	PASS
		VN	30	0.74	0.000398	± 2.5	PASS
		VN	40	-1.71	-0.000919	± 2.5	PASS
		VN	50	4.12	0.002215	± 2.5	PASS
	MCH	VN	-30	-0.8	-0.000426	± 2.5	PASS
		VN	-20	0.07	0.000037	± 2.5	PASS
		VN	-10	2.35	0.001250	± 2.5	PASS
		VN	0	0.7	0.000372	± 2.5	PASS
		VN	10	0.2	0.000106	± 2.5	PASS
		VN	20	-0.19	-0.000101	± 2.5	PASS
		VN	30	0.4	0.000213	± 2.5	PASS
		VN	40	-0.79	-0.000420	± 2.5	PASS
		VN	50	1.11	0.000590	± 2.5	PASS
	HCH	VN	-30	0.45	0.000237	± 2.5	PASS
		VN	-20	4.2	0.002211	± 2.5	PASS
		VN	-10	3.08	0.001621	± 2.5	PASS
		VN	0	0.11	0.000058	± 2.5	PASS
		VN	10	1.53	0.000805	± 2.5	PASS
		VN	20	1.64	0.000863	± 2.5	PASS
VN		30	1.76	0.000926	± 2.5	PASS	
VN		40	-0.87	-0.000458	± 2.5	PASS	
VN		50	-1.28	-0.000674	± 2.5	PASS	