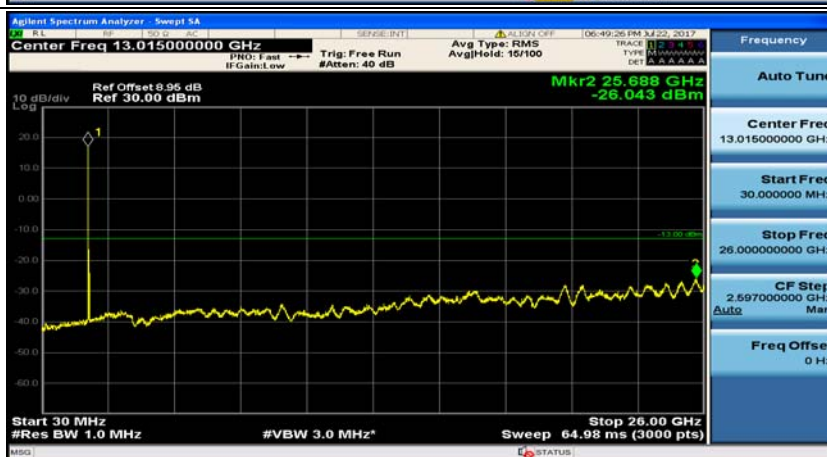
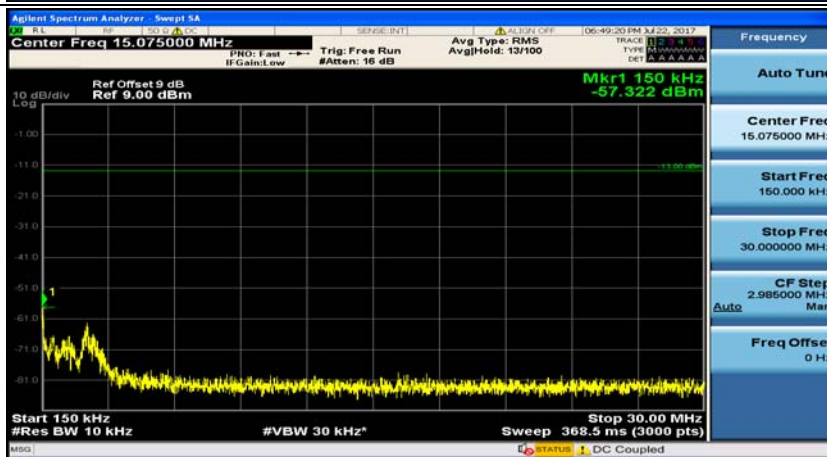
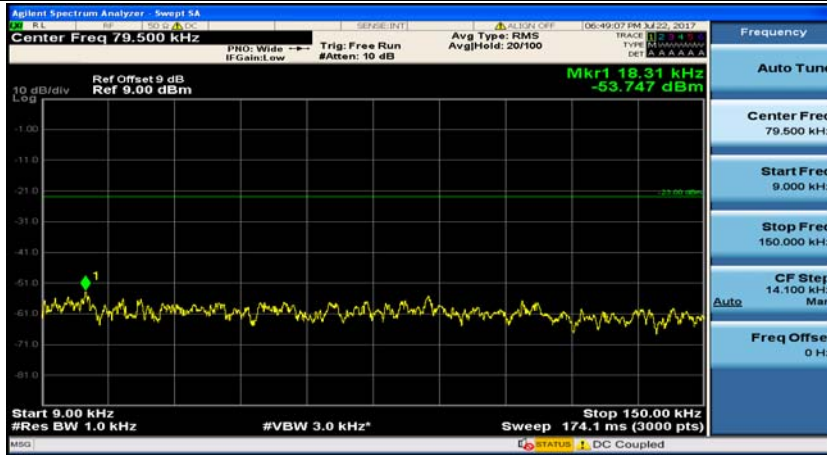
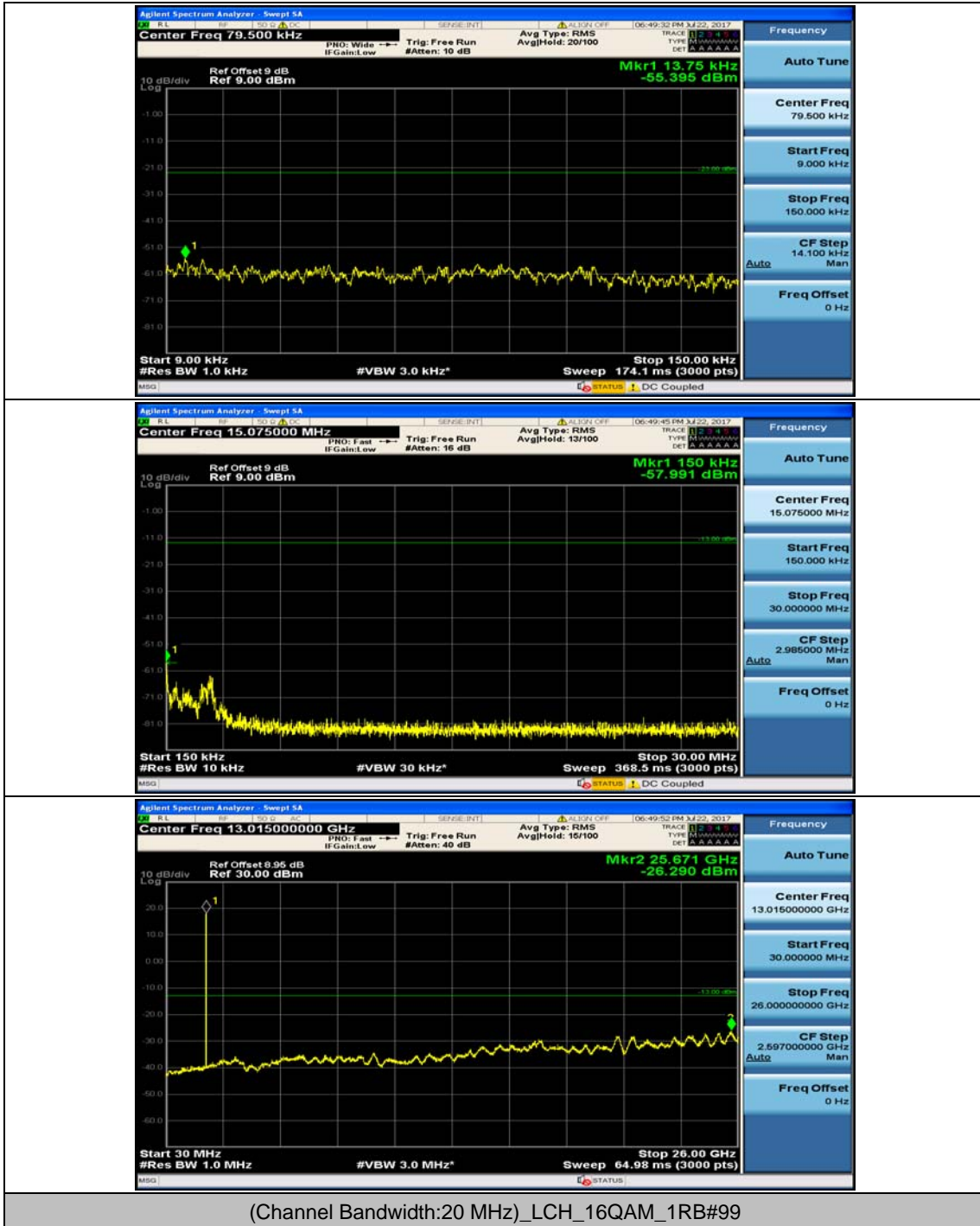
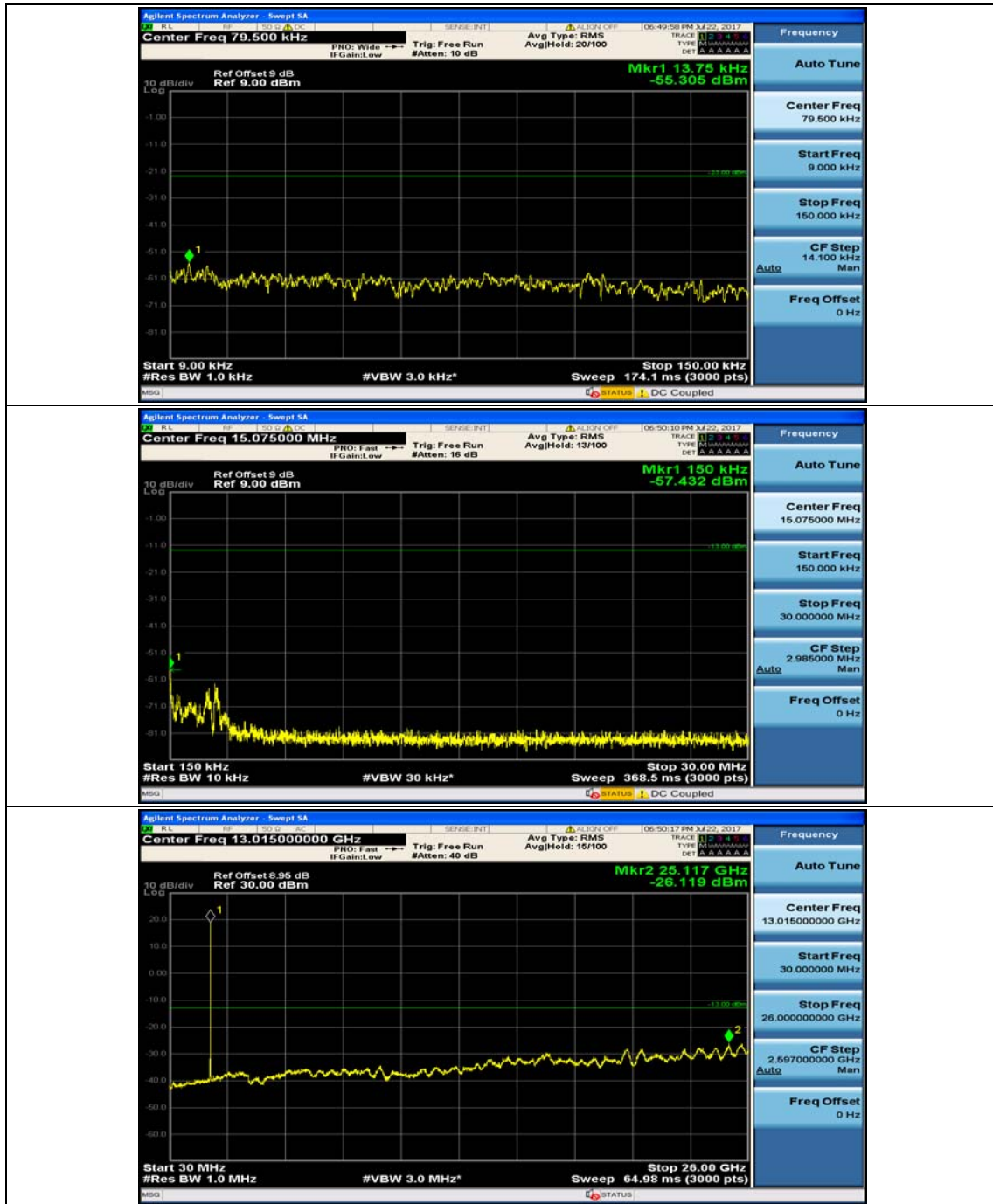


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

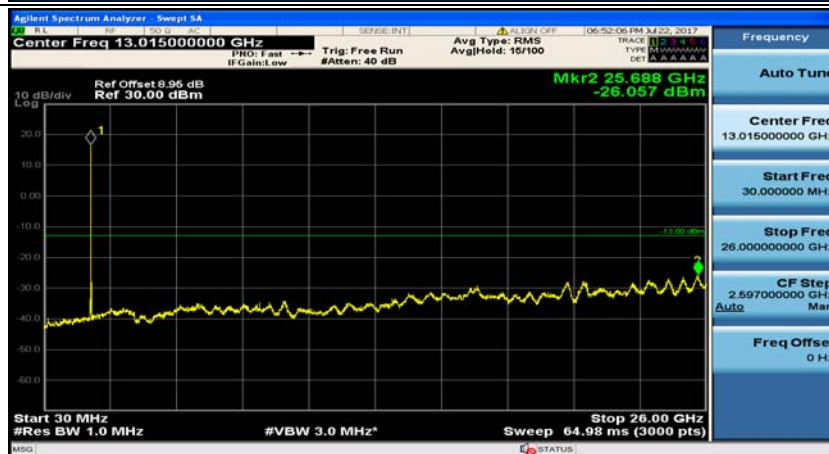
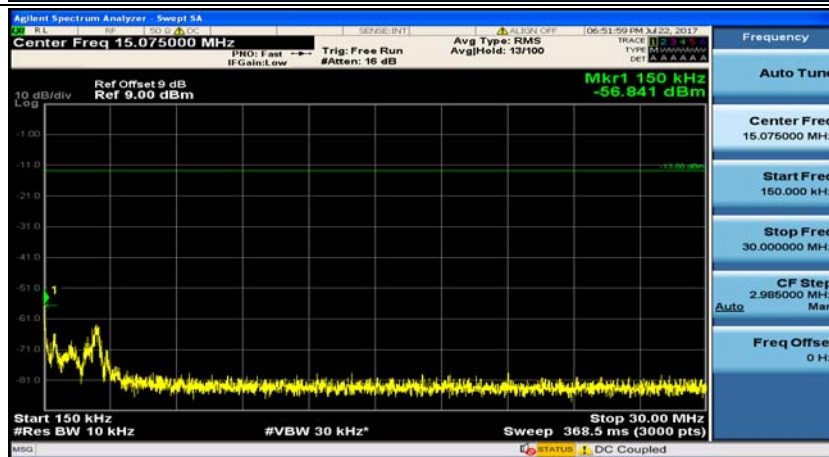
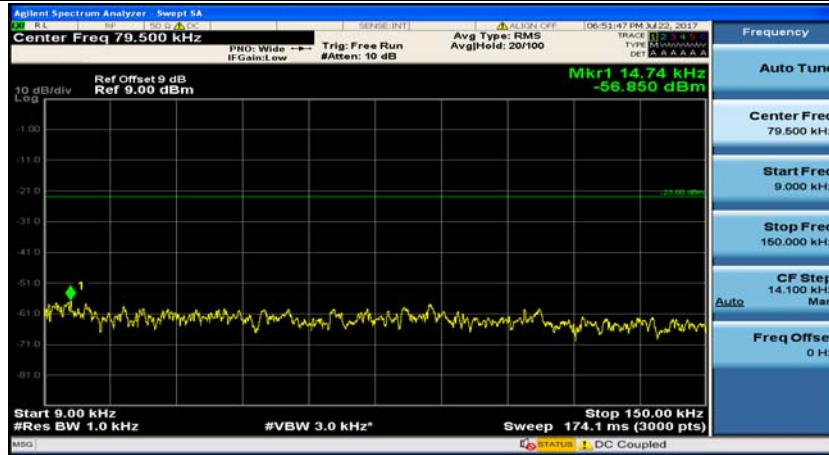


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

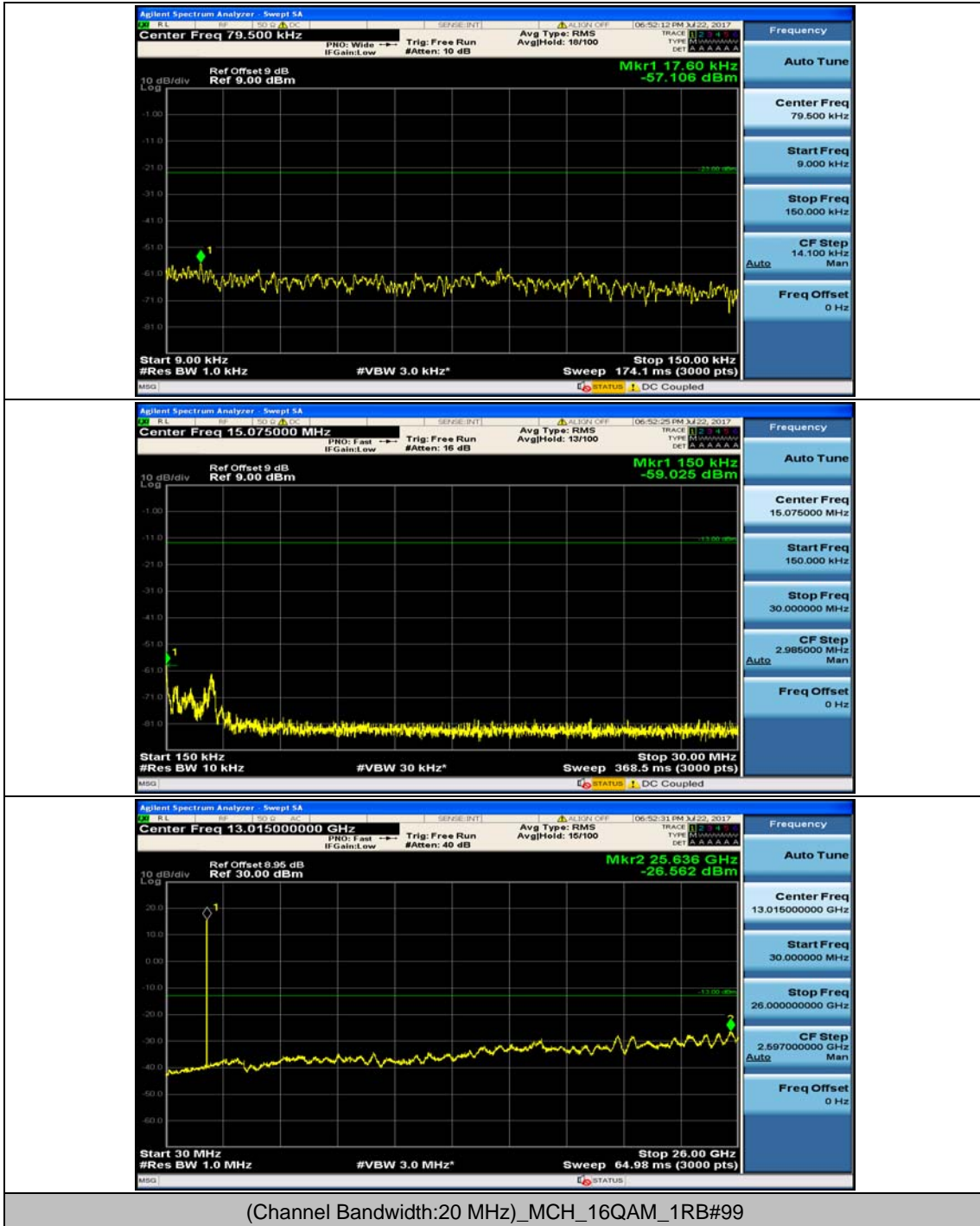


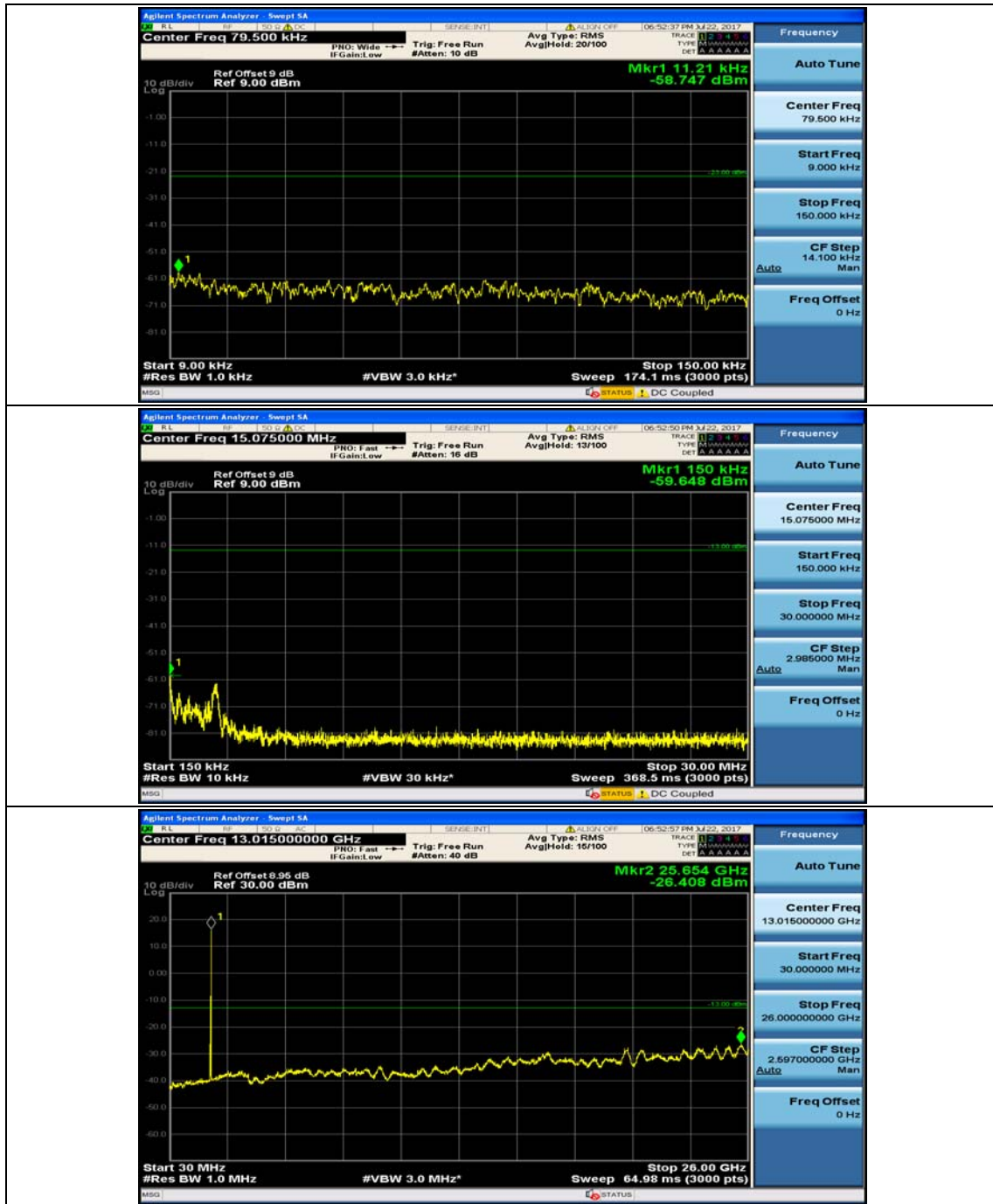


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

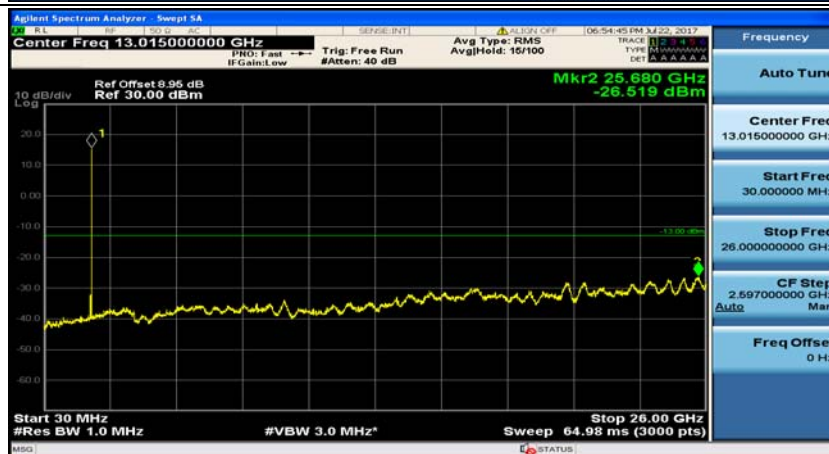
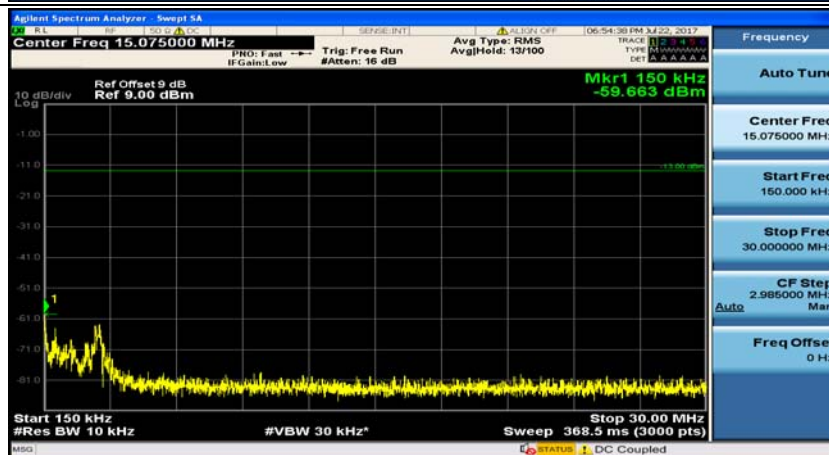
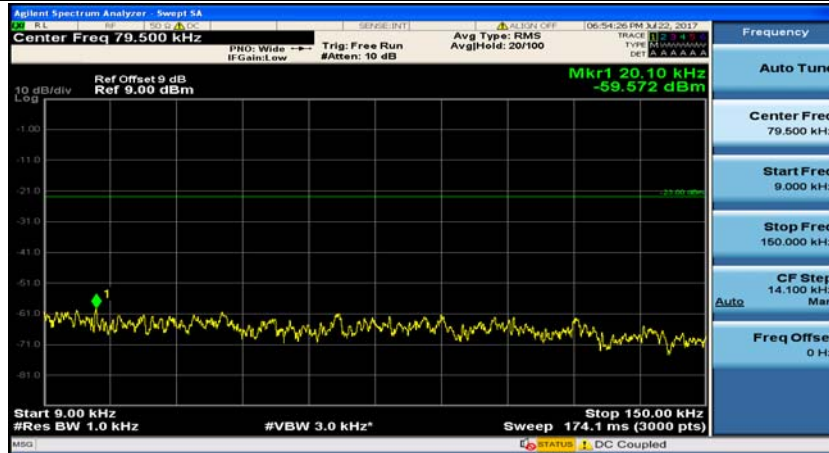


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

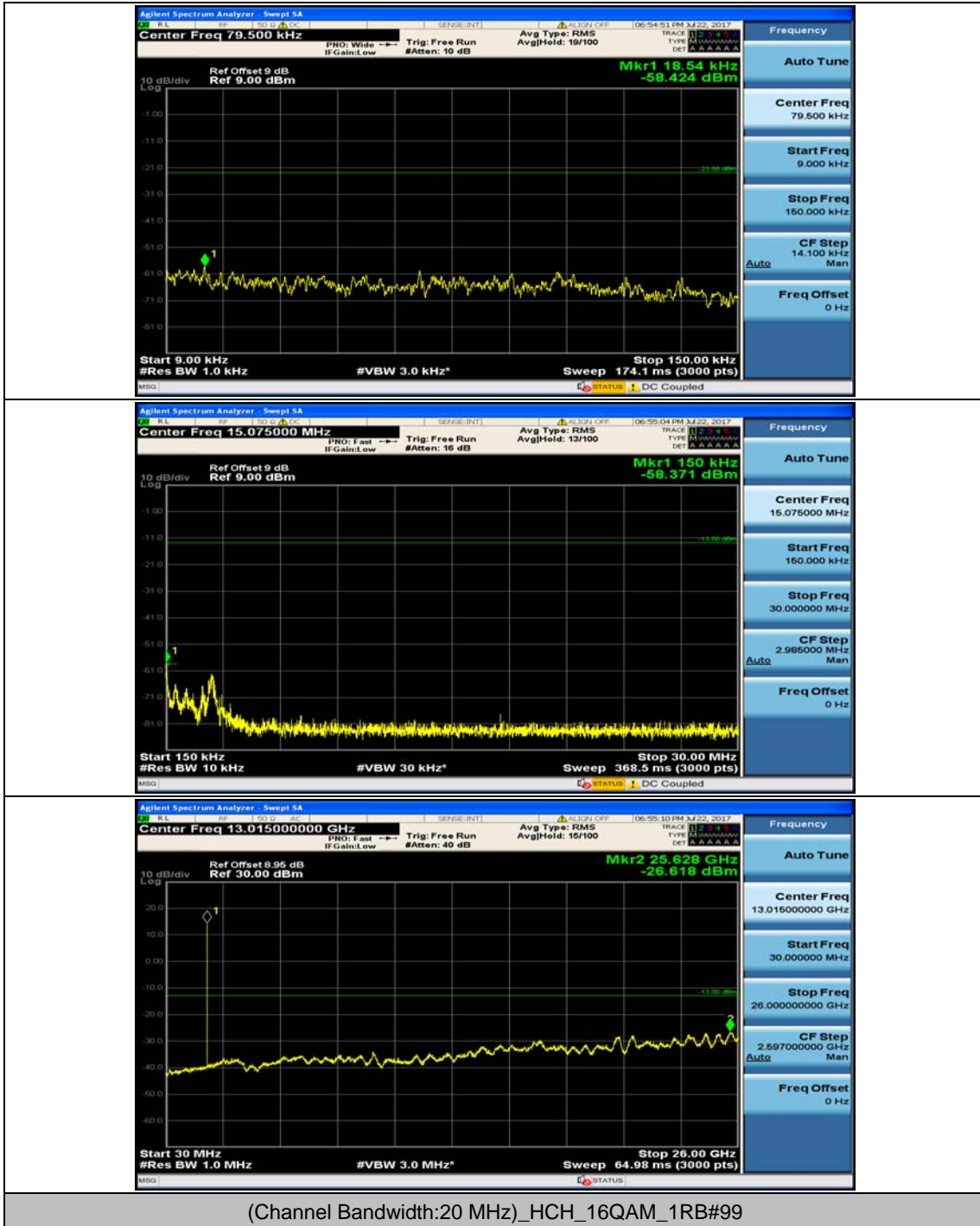


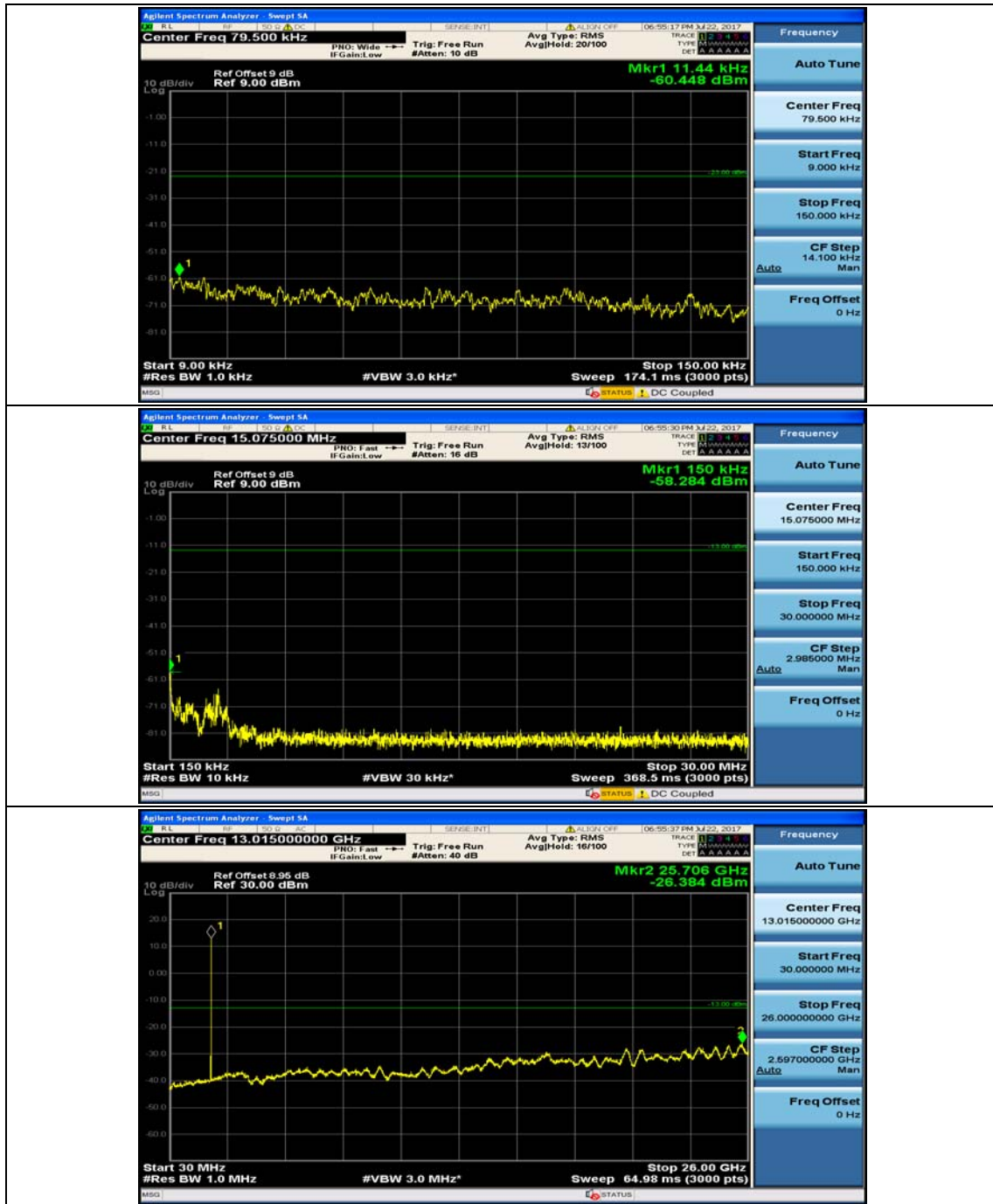


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-1.1	-0.000591	± 2.5	PASS
		VN	TN	2.28	0.001226	± 2.5	PASS
		VH	TN	-0.8	-0.000430	± 2.5	PASS
	MCH	VL	TN	1.07	0.000569	± 2.5	PASS
		VN	TN	3.17	0.001686	± 2.5	PASS
		VH	TN	2.85	0.001516	± 2.5	PASS
	HCH	VL	TN	1.7	0.000895	± 2.5	PASS
		VN	TN	-0.09	-0.000047	± 2.5	PASS
		VH	TN	1.17	0.000616	± 2.5	PASS
16QAM	LCH	VL	TN	4.88	0.002624	± 2.5	PASS
		VN	TN	1.46	0.000785	± 2.5	PASS
		VH	TN	4.14	0.002226	± 2.5	PASS
	MCH	VL	TN	4.58	0.002436	± 2.5	PASS
		VN	TN	3.96	0.002106	± 2.5	PASS
		VH	TN	3.02	0.001606	± 2.5	PASS
	HCH	VL	TN	3.47	0.001826	± 2.5	PASS
		VN	TN	1.12	0.000589	± 2.5	PASS
		VH	TN	3.5	0.001842	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.72	0.000387	± 2.5	PASS
		VN	-20	3.62	0.001946	± 2.5	PASS
		VN	-10	2.12	0.001140	± 2.5	PASS
		VN	0	1.71	0.000919	± 2.5	PASS
		VN	10	4.77	0.002565	± 2.5	PASS
		VN	20	4.46	0.002398	± 2.5	PASS
		VN	30	1.4	0.000753	± 2.5	PASS
		VN	40	-1.01	-0.000543	± 2.5	PASS
		VN	50	0.18	0.000097	± 2.5	PASS
	MCH	VN	-30	2.06	0.001096	± 2.5	PASS

	VN	-20	-1.41	-0.000750	± 2.5	PASS	
		VN	-10	1.42	0.000755	± 2.5	PASS
		VN	0	0.99	0.000527	± 2.5	PASS
		VN	10	1.73	0.000920	± 2.5	PASS
		VN	20	0.34	0.000181	± 2.5	PASS
		VN	30	2.05	0.001090	± 2.5	PASS
		VN	40	-0.08	-0.000043	± 2.5	PASS
		VN	50	2.45	0.001303	± 2.5	PASS
	HCH	VN	-30	1.8	0.000947	± 2.5	PASS
		VN	-20	1.52	0.000800	± 2.5	PASS
		VN	-10	3.25	0.001711	± 2.5	PASS
		VN	0	2.95	0.001553	± 2.5	PASS
		VN	10	-1.51	-0.000795	± 2.5	PASS
		VN	20	-0.97	-0.000511	± 2.5	PASS
		VN	30	-0.97	-0.000511	± 2.5	PASS
		VN	40	3.63	0.001911	± 2.5	PASS
		VN	50	2.24	0.001179	± 2.5	PASS
		16QAM	LCH	VN	-30	4.39	0.002360
VN	-20			-1.84	-0.000989	± 2.5	PASS
VN	-10			-1.58	-0.000849	± 2.5	PASS
VN	0			3.32	0.001785	± 2.5	PASS
VN	10			2.15	0.001156	± 2.5	PASS
VN	20			2.03	0.001091	± 2.5	PASS
VN	30			0.13	0.000070	± 2.5	PASS
VN	40			4.88	0.002624	± 2.5	PASS
VN	50			4.01	0.002156	± 2.5	PASS
MCH	VN		-30	1.51	0.000803	± 2.5	PASS
	VN		-20	-1.94	-0.001032	± 2.5	PASS
	VN		-10	2.01	0.001069	± 2.5	PASS
	VN		0	4.93	0.002622	± 2.5	PASS
	VN		10	4.39	0.002335	± 2.5	PASS
	VN		20	3.53	0.001878	± 2.5	PASS
	VN		30	-1.46	-0.000777	± 2.5	PASS
	VN		40	1.06	0.000564	± 2.5	PASS
	VN		50	2.09	0.001112	± 2.5	PASS
HCH	VN		-30	-1.53	-0.000805	± 2.5	PASS
	VN		-20	0.2	0.000105	± 2.5	PASS
	VN		-10	4.21	0.002216	± 2.5	PASS
	VN		0	1.44	0.000758	± 2.5	PASS
	VN		10	-0.89	-0.000468	± 2.5	PASS
	VN		20	-1.14	-0.000600	± 2.5	PASS

		VN	30	4.22	0.002221	± 2.5	PASS
		VN	40	-2	-0.001053	± 2.5	PASS
		VN	50	4.63	0.002437	± 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	-0.72	-0.000387	± 2.5	PASS
		VN	TN	1.87	0.001005	± 2.5	PASS
		VH	TN	0.26	0.000140	± 2.5	PASS
	MCH	VL	TN	-0.99	-0.000527	± 2.5	PASS
		VN	TN	3.17	0.001686	± 2.5	PASS
		VH	TN	0.97	0.000516	± 2.5	PASS
	HCH	VL	TN	4.44	0.002337	± 2.5	PASS
		VN	TN	3.04	0.001600	± 2.5	PASS
		VH	TN	-0.68	-0.000358	± 2.5	PASS
16QAM	LCH	VL	TN	-1.81	-0.000973	± 2.5	PASS
		VN	TN	-0.14	-0.000075	± 2.5	PASS
		VH	TN	3	0.001613	± 2.5	PASS
	MCH	VL	TN	-1.61	-0.000856	± 2.5	PASS
		VN	TN	3.39	0.001803	± 2.5	PASS
		VH	TN	3.53	0.001878	± 2.5	PASS
	HCH	VL	TN	2.14	0.001126	± 2.5	PASS
		VN	TN	0.49	0.000258	± 2.5	PASS
		VH	TN	2.75	0.001447	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.86	-0.000462	± 2.5	PASS
		VN	-20	3.87	0.002081	± 2.5	PASS
		VN	-10	2.52	0.001355	± 2.5	PASS
		VN	0	-1.04	-0.000559	± 2.5	PASS
		VN	10	-1.94	-0.001043	± 2.5	PASS
		VN	20	4.48	0.002409	± 2.5	PASS
		VN	30	-0.26	-0.000140	± 2.5	PASS
		VN	40	0.49	0.000263	± 2.5	PASS
		VN	50	-1.89	-0.001016	± 2.5	PASS
	MCH	VN	-30	-1.56	-0.000830	± 2.5	PASS
		VN	-20	-0.39	-0.000207	± 2.5	PASS

		VN	-10	1.48	0.000787	± 2.5	PASS	
		VN	0	2.76	0.001468	± 2.5	PASS	
		VN	10	-1.16	-0.000617	± 2.5	PASS	
		VN	20	3.33	0.001771	± 2.5	PASS	
		VN	30	2.43	0.001293	± 2.5	PASS	
		VN	40	2.34	0.001245	± 2.5	PASS	
		VN	50	-1.78	-0.000947	± 2.5	PASS	
	HCH	VN	-30	4.76	0.002505	± 2.5	PASS	
		VN	-20	-1.84	-0.000968	± 2.5	PASS	
		VN	-10	1.85	0.000974	± 2.5	PASS	
		VN	0	1.87	0.000984	± 2.5	PASS	
		VN	10	4.9	0.002579	± 2.5	PASS	
		VN	20	2.45	0.001289	± 2.5	PASS	
		VN	30	4.87	0.002563	± 2.5	PASS	
	QPSK	LCH	VN	40	2.25	0.001184	± 2.5	PASS
			VN	50	-0.46	-0.000242	± 2.5	PASS
			VN	-30	-1.77	-0.000952	± 2.5	PASS
			VN	-20	1.34	0.000720	± 2.5	PASS
VN			-10	1.98	0.001065	± 2.5	PASS	
VN			0	-0.12	-0.000065	± 2.5	PASS	
VN			10	3.24	0.001742	± 2.5	PASS	
VN			20	-1.72	-0.000925	± 2.5	PASS	
VN			30	2.29	0.001231	± 2.5	PASS	
MCH		VN	40	-0.2	-0.000108	± 2.5	PASS	
		VN	50	4.25	0.002285	± 2.5	PASS	
		VN	-30	1.52	0.000809	± 2.5	PASS	
		VN	-20	4.28	0.002277	± 2.5	PASS	
		VN	-10	1.35	0.000718	± 2.5	PASS	
		VN	0	-1.3	-0.000691	± 2.5	PASS	
		VN	10	-1.99	-0.001059	± 2.5	PASS	
		VN	20	-1.66	-0.000883	± 2.5	PASS	
		VN	30	4.78	0.002543	± 2.5	PASS	
HCH	VN	40	4.8	0.002553	± 2.5	PASS		
	VN	50	4.44	0.002362	± 2.5	PASS		
	VN	-30	2.77	0.001458	± 2.5	PASS		
	VN	-20	4.04	0.002126	± 2.5	PASS		
	VN	-10	2.97	0.001563	± 2.5	PASS		
	VN	0	2.06	0.001084	± 2.5	PASS		
	VN	10	0.05	0.000026	± 2.5	PASS		
VN	20	-1.14	-0.000600	± 2.5	PASS			
VN	30	-1.1	-0.000579	± 2.5	PASS			

		VN	40	3.15	0.001658	± 2.5	PASS
		VN	50	0.32	0.000168	± 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	0.36	0.000194	± 2.5	PASS
		VN	TN	4.57	0.002457	± 2.5	PASS
		VH	TN	4.61	0.002478	± 2.5	PASS
	MCH	VL	TN	2.73	0.001452	± 2.5	PASS
		VN	TN	2.61	0.001388	± 2.5	PASS
		VH	TN	4.84	0.002574	± 2.5	PASS
	HCH	VL	TN	4.3	0.002263	± 2.5	PASS
		VN	TN	1.63	0.000858	± 2.5	PASS
		VH	TN	-1.83	-0.000963	± 2.5	PASS
16QAM	LCH	VL	TN	4.9	0.002634	± 2.5	PASS
		VN	TN	2.04	0.001097	± 2.5	PASS
		VH	TN	3.69	0.001984	± 2.5	PASS
	MCH	VL	TN	-0.04	-0.000021	± 2.5	PASS
		VN	TN	1.08	0.000574	± 2.5	PASS
		VH	TN	-0.9	-0.000479	± 2.5	PASS
	HCH	VL	TN	-1.46	-0.000768	± 2.5	PASS
		VN	TN	-0.54	-0.000284	± 2.5	PASS
		VH	TN	-0.44	-0.000232	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.83	0.000984	± 2.5	PASS
		VN	-20	1.65	0.000887	± 2.5	PASS
		VN	-10	0.45	0.000242	± 2.5	PASS
		VN	0	3.19	0.001715	± 2.5	PASS
		VN	10	2.32	0.001247	± 2.5	PASS
		VN	20	0.57	0.000306	± 2.5	PASS
		VN	30	-1.88	-0.001011	± 2.5	PASS
		VN	40	4.18	0.002247	± 2.5	PASS
		VN	50	-0.5	-0.000269	± 2.5	PASS
	MCH	VN	-30	-0.81	-0.000431	± 2.5	PASS
		VN	-20	-1.56	-0.000830	± 2.5	PASS
		VN	-10	-0.69	-0.000367	± 2.5	PASS

		VN	0	1.87	0.000995	± 2.5	PASS		
		VN	10	2.17	0.001154	± 2.5	PASS		
		VN	20	2.19	0.001165	± 2.5	PASS		
		VN	30	0.93	0.000495	± 2.5	PASS		
		VN	40	-2	-0.001064	± 2.5	PASS		
		VN	50	-1.34	-0.000713	± 2.5	PASS		
	HCH	VN	-30	1.64	0.000863	± 2.5	PASS		
		VN	-20	-0.95	-0.000500	± 2.5	PASS		
		VN	-10	2.87	0.001511	± 2.5	PASS		
		VN	0	2.35	0.001237	± 2.5	PASS		
		VN	10	1.88	0.000989	± 2.5	PASS		
		VN	20	-1.42	-0.000747	± 2.5	PASS		
		VN	30	0.02	0.000011	± 2.5	PASS		
		VN	40	-0.2	-0.000105	± 2.5	PASS		
		VN	50	-0.27	-0.000142	± 2.5	PASS		
		16QAM	LCH	VN	-30	3.27	0.001758	± 2.5	PASS
				VN	-20	-1.6	-0.000860	± 2.5	PASS
				VN	-10	-0.69	-0.000371	± 2.5	PASS
VN	0			2.88	0.001548	± 2.5	PASS		
VN	10			-1.99	-0.001070	± 2.5	PASS		
VN	20			3.47	0.001866	± 2.5	PASS		
VN	30			1.05	0.000565	± 2.5	PASS		
VN	40			1.3	0.000699	± 2.5	PASS		
VN	50			1.98	0.001065	± 2.5	PASS		
MCH	VN		-30	2.8	0.001489	± 2.5	PASS		
	VN		-20	-1.42	-0.000755	± 2.5	PASS		
	VN		-10	0.53	0.000282	± 2.5	PASS		
	VN		0	0.53	0.000282	± 2.5	PASS		
	VN		10	-0.63	-0.000335	± 2.5	PASS		
	VN		20	-0.22	-0.000117	± 2.5	PASS		
	VN		30	-0.99	-0.000527	± 2.5	PASS		
	VN		40	0.83	0.000441	± 2.5	PASS		
	VN		50	2.15	0.001144	± 2.5	PASS		
HCH	VN		-30	3.01	0.001584	± 2.5	PASS		
	VN		-20	1.62	0.000853	± 2.5	PASS		
	VN		-10	0.97	0.000511	± 2.5	PASS		
	VN		0	-0.52	-0.000274	± 2.5	PASS		
	VN		10	3.57	0.001879	± 2.5	PASS		
	VN		20	2.57	0.001353	± 2.5	PASS		
	VN		30	-0.04	-0.000021	± 2.5	PASS		
	VN		40	-0.66	-0.000347	± 2.5	PASS		

		VN	50	3.05	0.001605	± 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	-0.68	-0.000366	± 2.5	PASS
		VN	TN	-1.14	-0.000613	± 2.5	PASS
		VH	TN	2.93	0.001575	± 2.5	PASS
	MCH	VL	TN	-1.66	-0.000883	± 2.5	PASS
		VN	TN	1.93	0.001027	± 2.5	PASS
		VH	TN	-0.27	-0.000144	± 2.5	PASS
	HCH	VL	TN	2.89	0.001521	± 2.5	PASS
		VN	TN	0.7	0.000368	± 2.5	PASS
		VH	TN	-1.49	-0.000784	± 2.5	PASS
16QAM	LCH	VL	TN	4.24	0.002280	± 2.5	PASS
		VN	TN	4.24	0.002280	± 2.5	PASS
		VH	TN	0.2	0.000108	± 2.5	PASS
	MCH	VL	TN	-1.39	-0.000739	± 2.5	PASS
		VN	TN	0.44	0.000234	± 2.5	PASS
		VH	TN	-0.04	-0.000021	± 2.5	PASS
	HCH	VL	TN	1.24	0.000653	± 2.5	PASS
		VN	TN	4.38	0.002305	± 2.5	PASS
		VH	TN	1.86	0.000979	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.35	0.001263	± 2.5	PASS
		VN	-20	2.82	0.001516	± 2.5	PASS
		VN	-10	0.9	0.000484	± 2.5	PASS
		VN	0	-1.68	-0.000903	± 2.5	PASS
		VN	10	-1.45	-0.000780	± 2.5	PASS
		VN	20	2.87	0.001543	± 2.5	PASS
		VN	30	0.12	0.000065	± 2.5	PASS
		VN	40	2.36	0.001269	± 2.5	PASS
		VN	50	1.11	0.000597	± 2.5	PASS
	MCH	VN	-30	2	0.001064	± 2.5	PASS
		VN	-20	-1.11	-0.000590	± 2.5	PASS
		VN	-10	1.96	0.001043	± 2.5	PASS
		VN	0	-1.81	-0.000963	± 2.5	PASS

		VN	10	-0.1	-0.000053	± 2.5	PASS
		VN	20	2.85	0.001516	± 2.5	PASS
		VN	30	-0.77	-0.000410	± 2.5	PASS
		VN	40	1.14	0.000606	± 2.5	PASS
		VN	50	3.98	0.002117	± 2.5	PASS
	HCH	VN	-30	3.24	0.001705	± 2.5	PASS
		VN	-20	2.66	0.001400	± 2.5	PASS
		VN	-10	1.99	0.001047	± 2.5	PASS
		VN	0	3.7	0.001947	± 2.5	PASS
		VN	10	3.69	0.001942	± 2.5	PASS
		VN	20	4.84	0.002547	± 2.5	PASS
		VN	30	0	0.000000	± 2.5	PASS
		VN	40	1.62	0.000853	± 2.5	PASS
		VN	50	-0.33	-0.000174	± 2.5	PASS
		QPSK	LCH	VN	-30	-0.97	-0.000522
VN	-20			-0.3	-0.000161	± 2.5	PASS
VN	-10			0.01	0.000005	± 2.5	PASS
VN	0			1.6	0.000860	± 2.5	PASS
VN	10			0.38	0.000204	± 2.5	PASS
VN	20			-1.02	-0.000548	± 2.5	PASS
VN	30			4.95	0.002661	± 2.5	PASS
VN	40			-0.51	-0.000274	± 2.5	PASS
VN	50			4.79	0.002575	± 2.5	PASS
MCH	VN		-30	3.53	0.001878	± 2.5	PASS
	VN		-20	-1.24	-0.000660	± 2.5	PASS
	VN		-10	2.78	0.001479	± 2.5	PASS
	VN		0	0.06	0.000032	± 2.5	PASS
	VN		10	-1.44	-0.000766	± 2.5	PASS
	VN		20	1.9	0.001011	± 2.5	PASS
	VN		30	4.8	0.002553	± 2.5	PASS
	VN		40	0.52	0.000277	± 2.5	PASS
	VN		50	3.26	0.001734	± 2.5	PASS
HCH	VN		-30	4.57	0.002405	± 2.5	PASS
	VN		-20	2.09	0.001100	± 2.5	PASS
	VN		-10	3.58	0.001884	± 2.5	PASS
	VN		0	-1.08	-0.000568	± 2.5	PASS
	VN		10	-1.72	-0.000905	± 2.5	PASS
	VN		20	1.44	0.000758	± 2.5	PASS
	VN		30	-0.99	-0.000521	± 2.5	PASS
	VN		40	4.62	0.002432	± 2.5	PASS
	VN		50	-1.48	-0.000779	± 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	2.58	0.001387	± 2.5	PASS
		VN	TN	4.96	0.002667	± 2.5	PASS
		VH	TN	0.19	0.000102	± 2.5	PASS
	MCH	VL	TN	0.19	0.000101	± 2.5	PASS
		VN	TN	-0.46	-0.000245	± 2.5	PASS
		VH	TN	-1.09	-0.000580	± 2.5	PASS
	HCH	VL	TN	3.37	0.001774	± 2.5	PASS
		VN	TN	0.29	0.000153	± 2.5	PASS
		VH	TN	-1	-0.000526	± 2.5	PASS
16QAM	LCH	VL	TN	-0.8	-0.000430	± 2.5	PASS
		VN	TN	-0.71	-0.000382	± 2.5	PASS
		VH	TN	-0.7	-0.000376	± 2.5	PASS
	MCH	VL	TN	4.9	0.002606	± 2.5	PASS
		VN	TN	3.68	0.001957	± 2.5	PASS
		VH	TN	-0.76	-0.000404	± 2.5	PASS
	HCH	VL	TN	4.23	0.002226	± 2.5	PASS
		VN	TN	2.74	0.001442	± 2.5	PASS
		VH	TN	4.05	0.002132	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.15	-0.000081	± 2.5	PASS
		VN	-20	2.48	0.001333	± 2.5	PASS
		VN	-10	1.13	0.000608	± 2.5	PASS
		VN	0	3.44	0.001849	± 2.5	PASS
		VN	10	2	0.001075	± 2.5	PASS
		VN	20	4.16	0.002237	± 2.5	PASS
		VN	30	1.79	0.000962	± 2.5	PASS
		VN	40	3.85	0.002070	± 2.5	PASS
		VN	50	2.49	0.001339	± 2.5	PASS
	MCH	VN	-30	-1.71	-0.000910	± 2.5	PASS
		VN	-20	4.61	0.002452	± 2.5	PASS
		VN	-10	1.8	0.000957	± 2.5	PASS
		VN	0	3.38	0.001798	± 2.5	PASS
		VN	10	0.03	0.000016	± 2.5	PASS
		VN	20	1.3	0.000691	± 2.5	PASS

		VN	30	-1.46	-0.000777	± 2.5	PASS
		VN	40	1.88	0.001000	± 2.5	PASS
		VN	50	3.86	0.002053	± 2.5	PASS
	HCH	VN	-30	2.88	0.001516	± 2.5	PASS
		VN	-20	2.48	0.001305	± 2.5	PASS
		VN	-10	2.94	0.001547	± 2.5	PASS
		VN	0	-1.21	-0.000637	± 2.5	PASS
		VN	10	-0.16	-0.000084	± 2.5	PASS
		VN	20	-1.03	-0.000542	± 2.5	PASS
		VN	30	4.5	0.002368	± 2.5	PASS
		VN	40	1.88	0.000989	± 2.5	PASS
		VN	50	4.53	0.002384	± 2.5	PASS
		QPSK	LCH	VN	-30	1.7	0.000914
VN	-20			0.76	0.000409	± 2.5	PASS
VN	-10			2.58	0.001387	± 2.5	PASS
VN	0			0.88	0.000473	± 2.5	PASS
VN	10			3.45	0.001855	± 2.5	PASS
VN	20			3.31	0.001780	± 2.5	PASS
VN	30			0.13	0.000070	± 2.5	PASS
VN	40			-1.52	-0.000817	± 2.5	PASS
VN	50			3.17	0.001704	± 2.5	PASS
MCH	VN		-30	-1.49	-0.000793	± 2.5	PASS
	VN		-20	0.48	0.000255	± 2.5	PASS
	VN		-10	4.93	0.002622	± 2.5	PASS
	VN		0	1.57	0.000835	± 2.5	PASS
	VN		10	2.78	0.001479	± 2.5	PASS
	VN		20	-1.13	-0.000601	± 2.5	PASS
	VN		30	3.8	0.002021	± 2.5	PASS
	VN		40	-1.54	-0.000819	± 2.5	PASS
	VN		50	1.2	0.000638	± 2.5	PASS
HCH	VN		-30	1.42	0.000747	± 2.5	PASS
	VN		-20	0.66	0.000347	± 2.5	PASS
	VN		-10	1.34	0.000705	± 2.5	PASS
	VN		0	1.21	0.000637	± 2.5	PASS
	VN		10	3.26	0.001716	± 2.5	PASS
	VN		20	4.27	0.002247	± 2.5	PASS
	VN		30	4.51	0.002374	± 2.5	PASS
	VN		40	2.37	0.001247	± 2.5	PASS
	VN		50	0.73	0.000384	± 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	1.35	0.000726	± 2.5	PASS
		VN	TN	-0.78	-0.000419	± 2.5	PASS
		VH	TN	-1.12	-0.000602	± 2.5	PASS
	MCH	VL	TN	-0.87	-0.000463	± 2.5	PASS
		VN	TN	2.04	0.001085	± 2.5	PASS
		VH	TN	4.05	0.002154	± 2.5	PASS
	HCH	VL	TN	3.2	0.001684	± 2.5	PASS
		VN	TN	1.41	0.000742	± 2.5	PASS
		VH	TN	0.07	0.000037	± 2.5	PASS
16QAM	LCH	VL	TN	0.82	0.000441	± 2.5	PASS
		VN	TN	-0.37	-0.000199	± 2.5	PASS
		VH	TN	1.32	0.000710	± 2.5	PASS
	MCH	VL	TN	3.13	0.001665	± 2.5	PASS
		VN	TN	-0.69	-0.000367	± 2.5	PASS
		VH	TN	3.07	0.001633	± 2.5	PASS
	HCH	VL	TN	1.96	0.001032	± 2.5	PASS
		VN	TN	1.58	0.000832	± 2.5	PASS
		VH	TN	4.39	0.002311	± 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	2.33	0.001253	± 2.5	PASS
		VN	-10	2.01	0.001081	± 2.5	PASS
		VN	0	4.82	0.002591	± 2.5	PASS
		VN	10	0.47	0.000253	± 2.5	PASS
		VN	20	4.73	0.002543	± 2.5	PASS
		VN	30	4.23	0.002274	± 2.5	PASS
		VN	40	2.01	0.001081	± 2.5	PASS
		VN	50	4.1	0.002204	± 2.5	PASS
	MCH	VN	-30	2.08	0.001106	± 2.5	PASS
		VN	-20	1.9	0.001011	± 2.5	PASS
		VN	-10	-1.65	-0.000878	± 2.5	PASS
		VN	0	1.7	0.000904	± 2.5	PASS
		VN	10	-0.68	-0.000362	± 2.5	PASS
		VN	20	1.26	0.000670	± 2.5	PASS

	VN	30	1.86	0.000989	± 2.5	PASS	
		40	2.89	0.001537	± 2.5	PASS	
		50	-1.57	-0.000835	± 2.5	PASS	
	HCH	VN	-30	1.3	0.000684	± 2.5	PASS
		VN	-20	2.46	0.001295	± 2.5	PASS
		VN	-10	1.17	0.000616	± 2.5	PASS
		VN	0	4.42	0.002326	± 2.5	PASS
		VN	10	-0.92	-0.000484	± 2.5	PASS
		VN	20	3.57	0.001879	± 2.5	PASS
		VN	30	4.28	0.002253	± 2.5	PASS
		VN	40	2.86	0.001505	± 2.5	PASS
		VN	50	2.92	0.001537	± 2.5	PASS
QPSK	LCH	VN	-30	4.11	0.002210	± 2.5	PASS
		VN	-20	2.28	0.001226	± 2.5	PASS
		VN	-10	1.58	0.000849	± 2.5	PASS
		VN	0	1.45	0.000780	± 2.5	PASS
		VN	10	4.8	0.002581	± 2.5	PASS
		VN	20	-0.75	-0.000403	± 2.5	PASS
		VN	30	1.75	0.000941	± 2.5	PASS
		VN	40	2.55	0.001371	± 2.5	PASS
		VN	50	0.21	0.000113	± 2.5	PASS
	MCH	VN	-30	2.94	0.001564	± 2.5	PASS
		VN	-20	-0.85	-0.000452	± 2.5	PASS
		VN	-10	-1.75	-0.000931	± 2.5	PASS
		VN	0	-1.16	-0.000617	± 2.5	PASS
		VN	10	-1.97	-0.001048	± 2.5	PASS
		VN	20	-0.3	-0.000160	± 2.5	PASS
		VN	30	-0.94	-0.000500	± 2.5	PASS
		VN	40	-1.26	-0.000670	± 2.5	PASS
		VN	50	0.24	0.000128	± 2.5	PASS
	HCH	VN	-30	3.04	0.001600	± 2.5	PASS
		VN	-20	0.91	0.000479	± 2.5	PASS
		VN	-10	0.39	0.000205	± 2.5	PASS
		VN	0	0.65	0.000342	± 2.5	PASS
		VN	10	2.32	0.001221	± 2.5	PASS
		VN	20	2.68	0.001411	± 2.5	PASS
		VN	30	3.22	0.001695	± 2.5	PASS
		VN	40	-0.56	-0.000295	± 2.5	PASS
		VN	50	-0.23	-0.000121	± 2.5	PASS