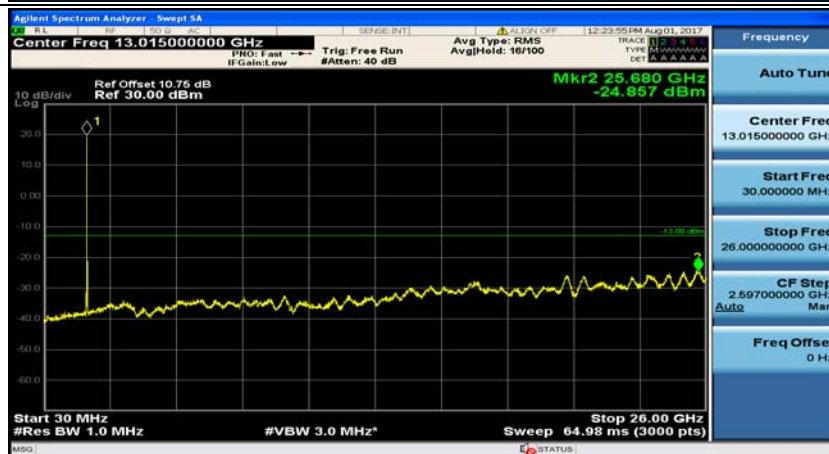
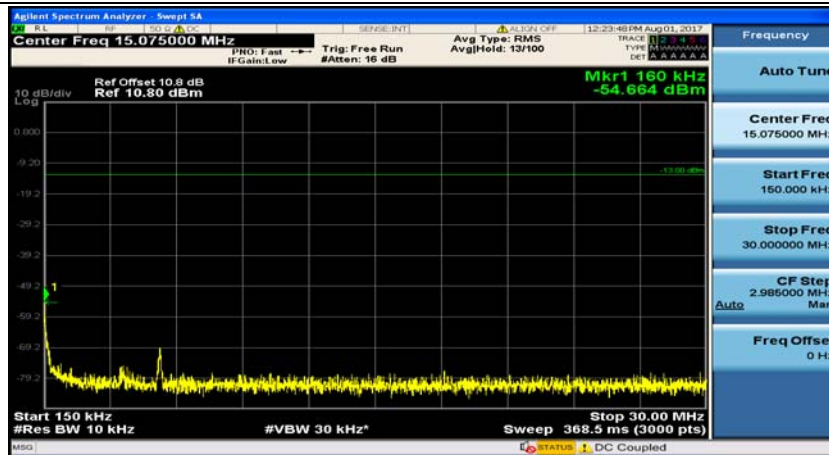
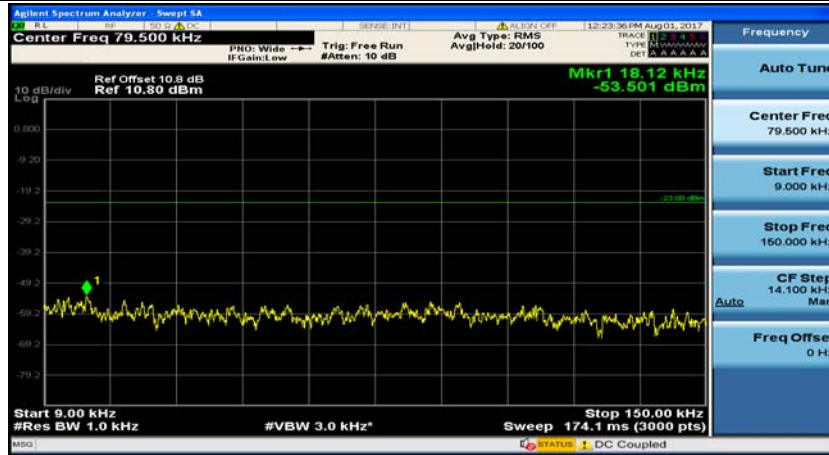
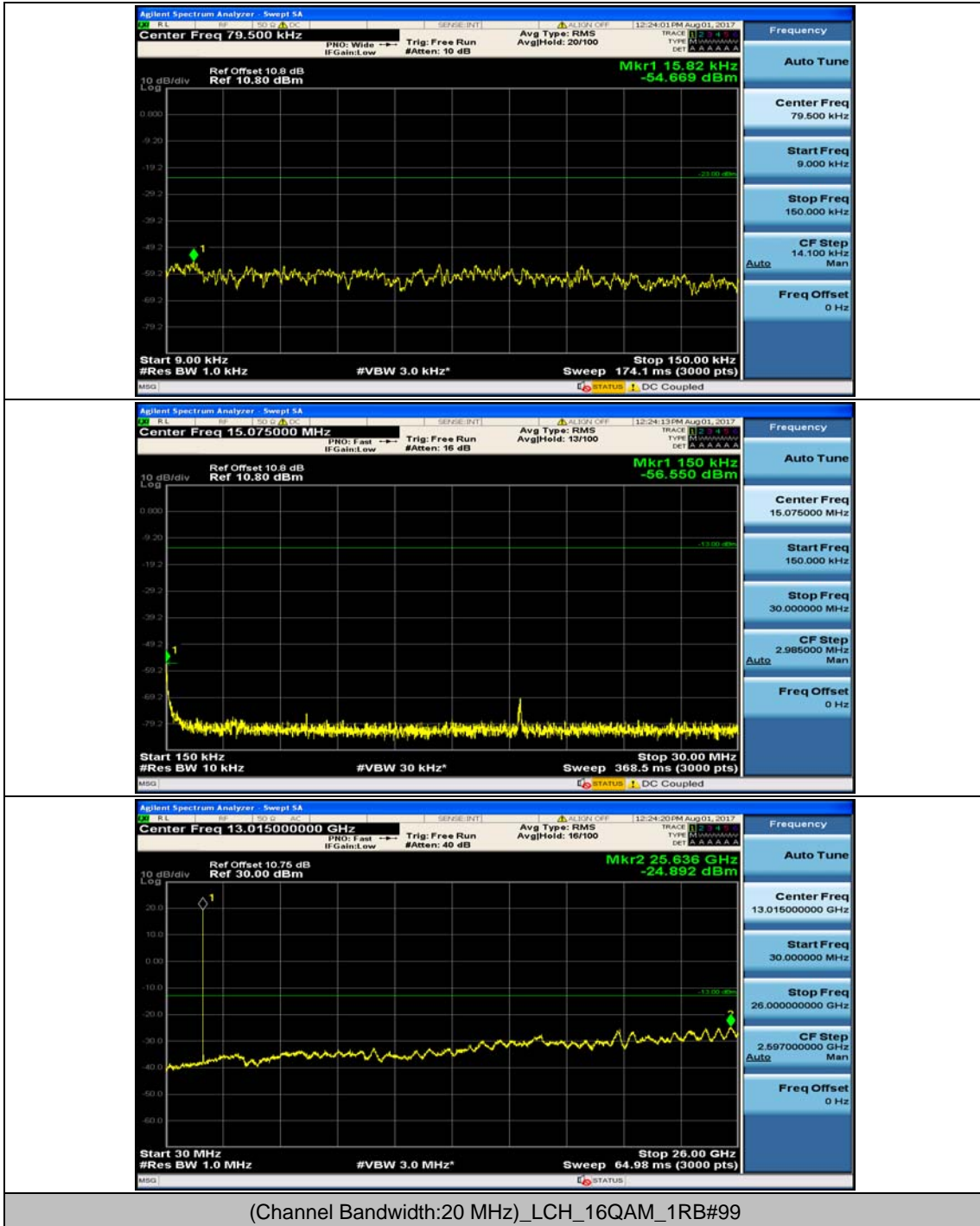
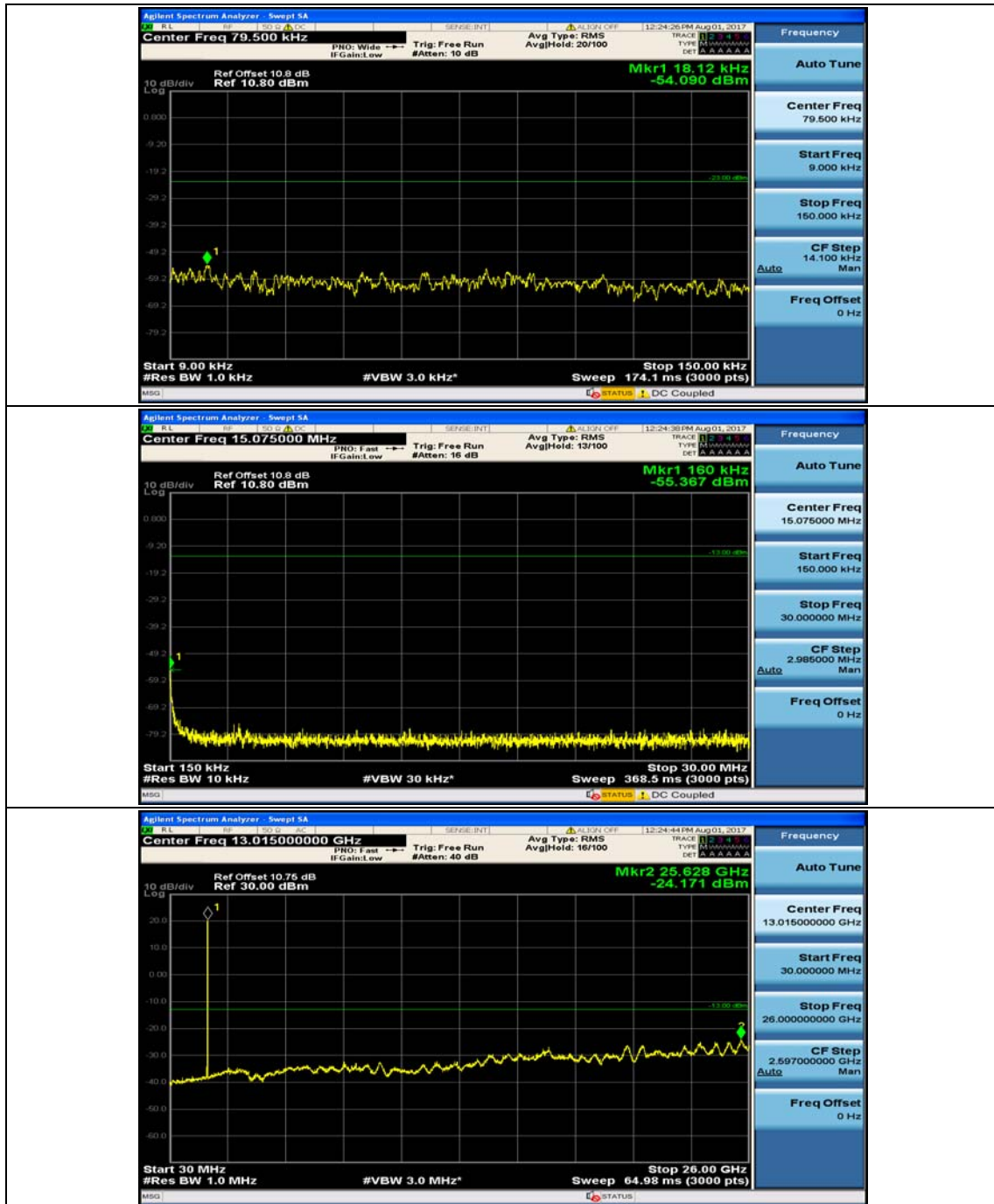


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

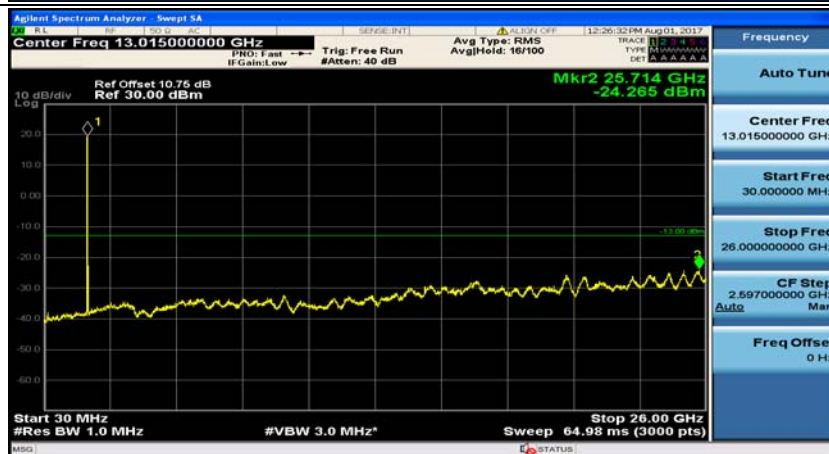
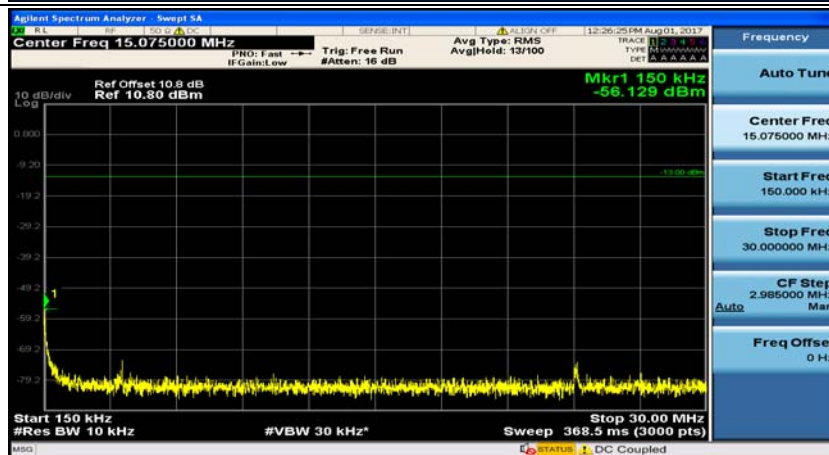
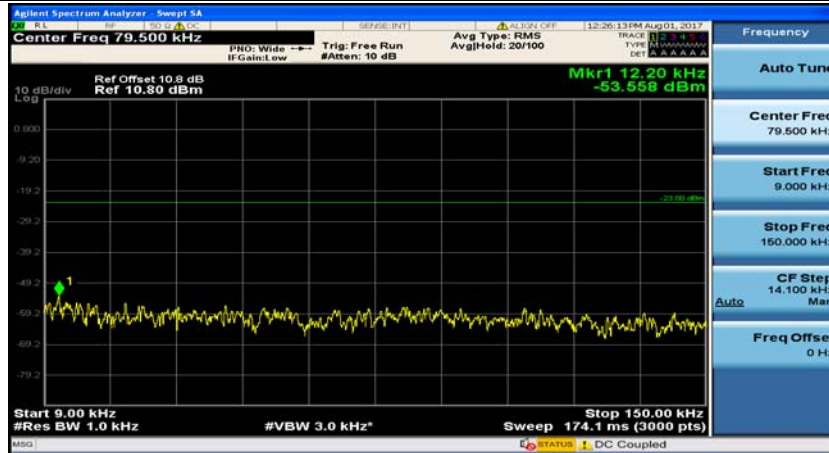


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

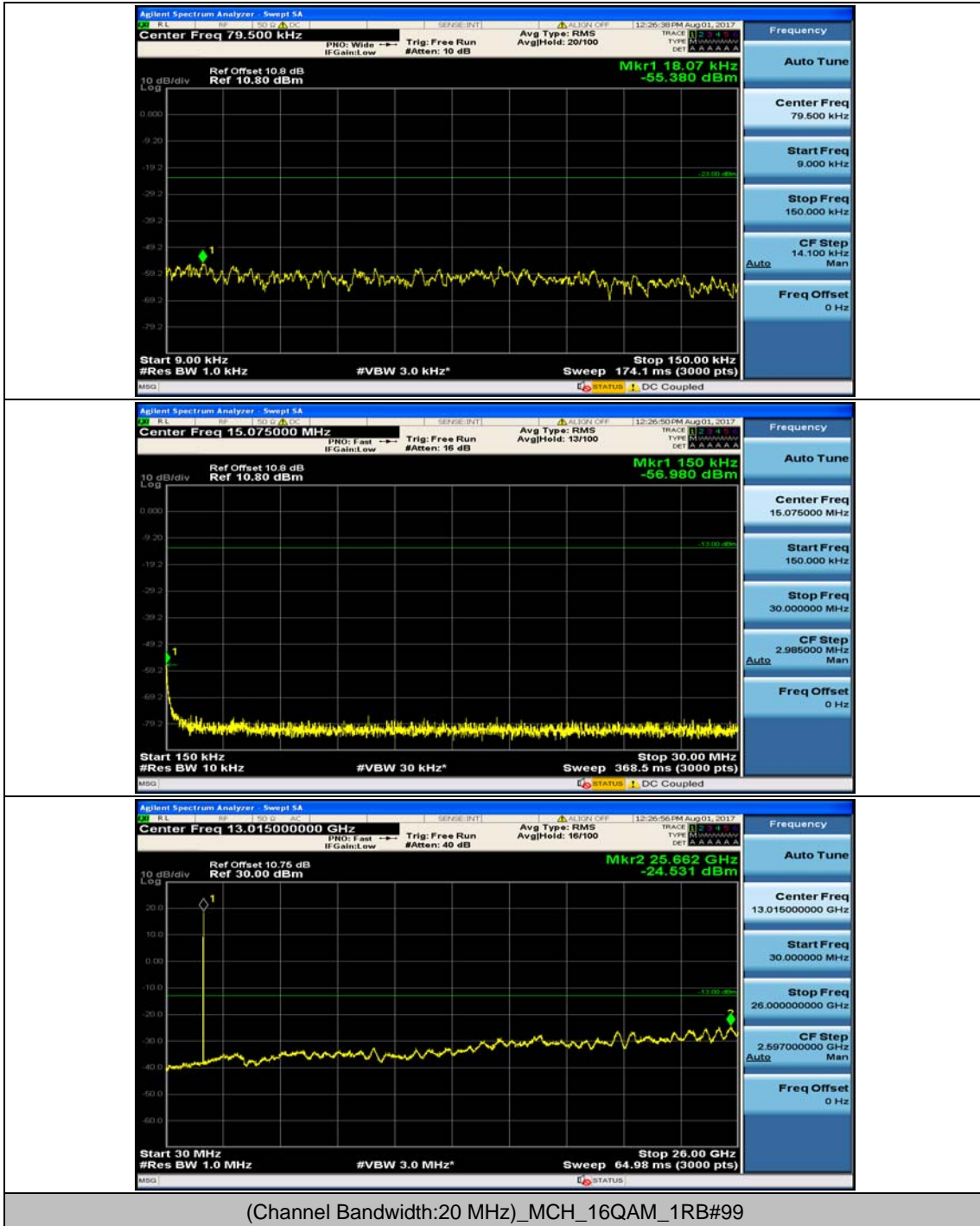


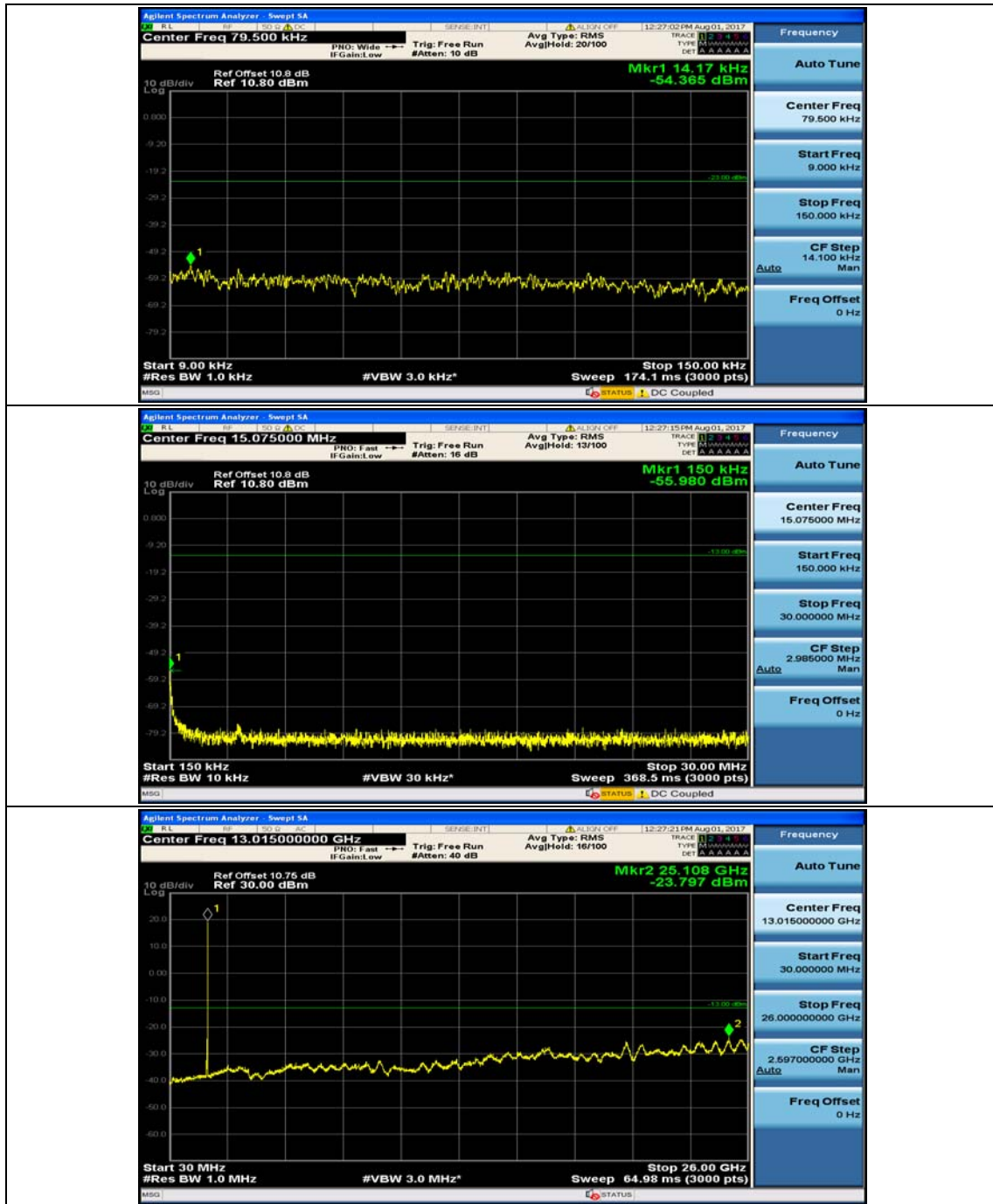


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

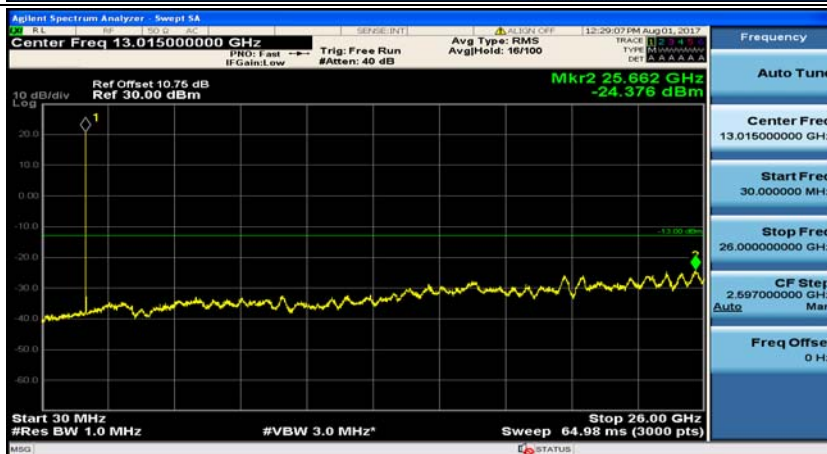
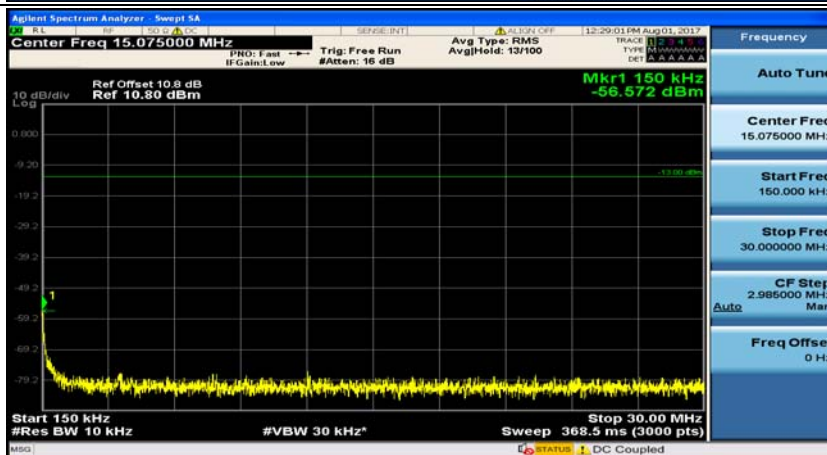
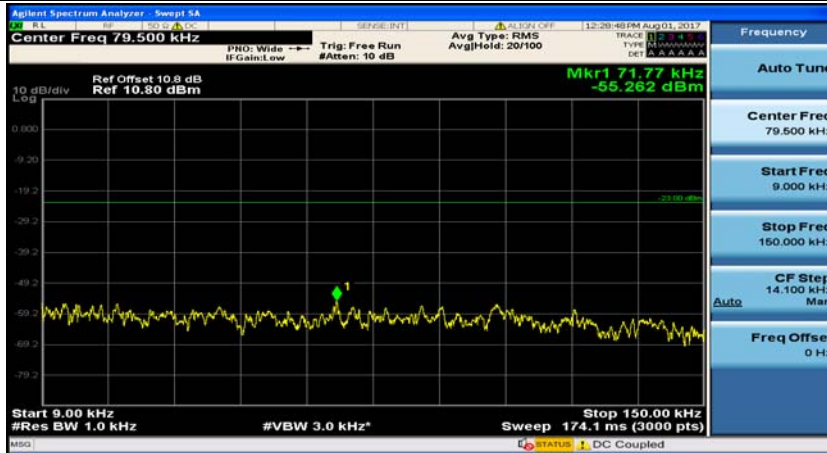


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

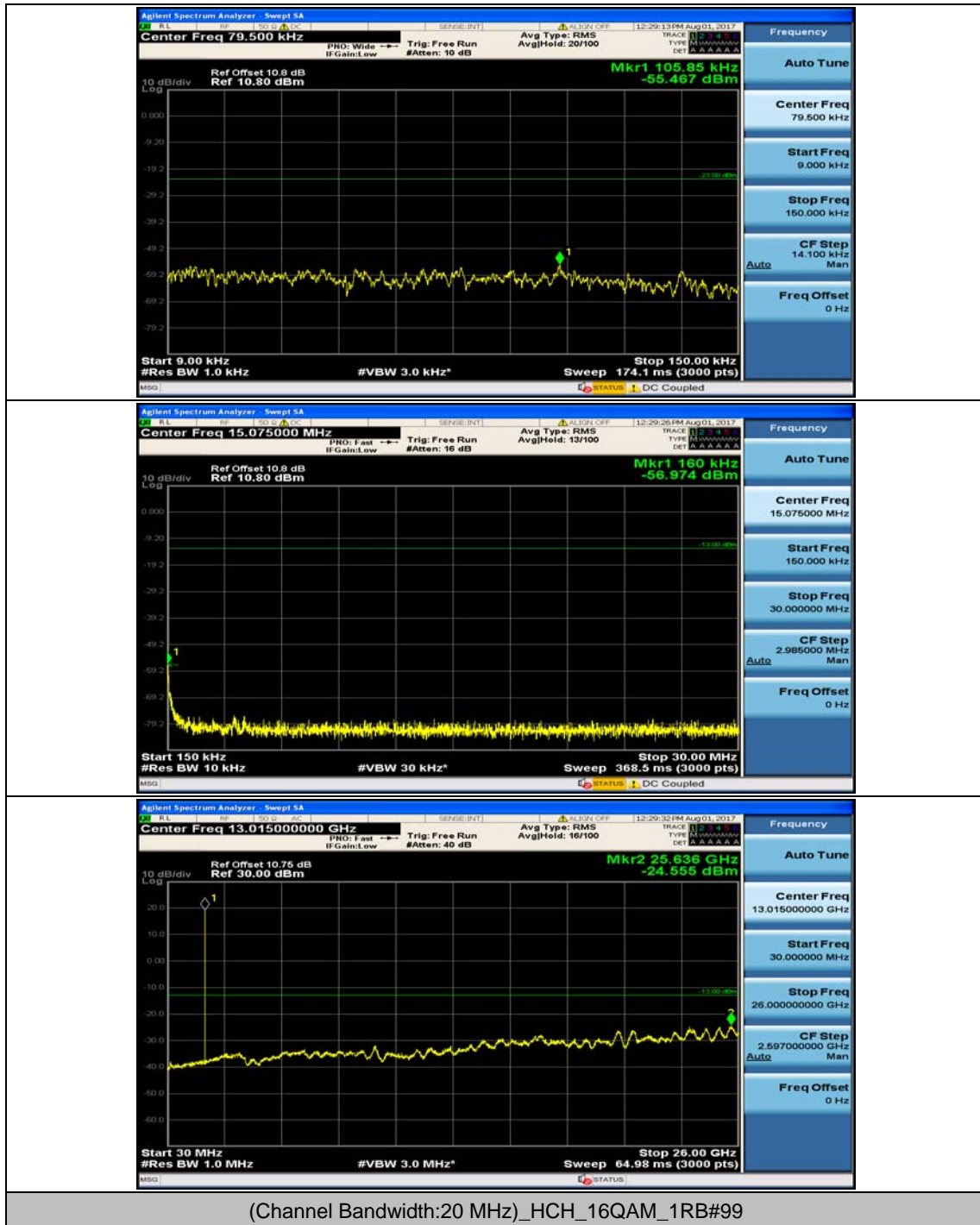


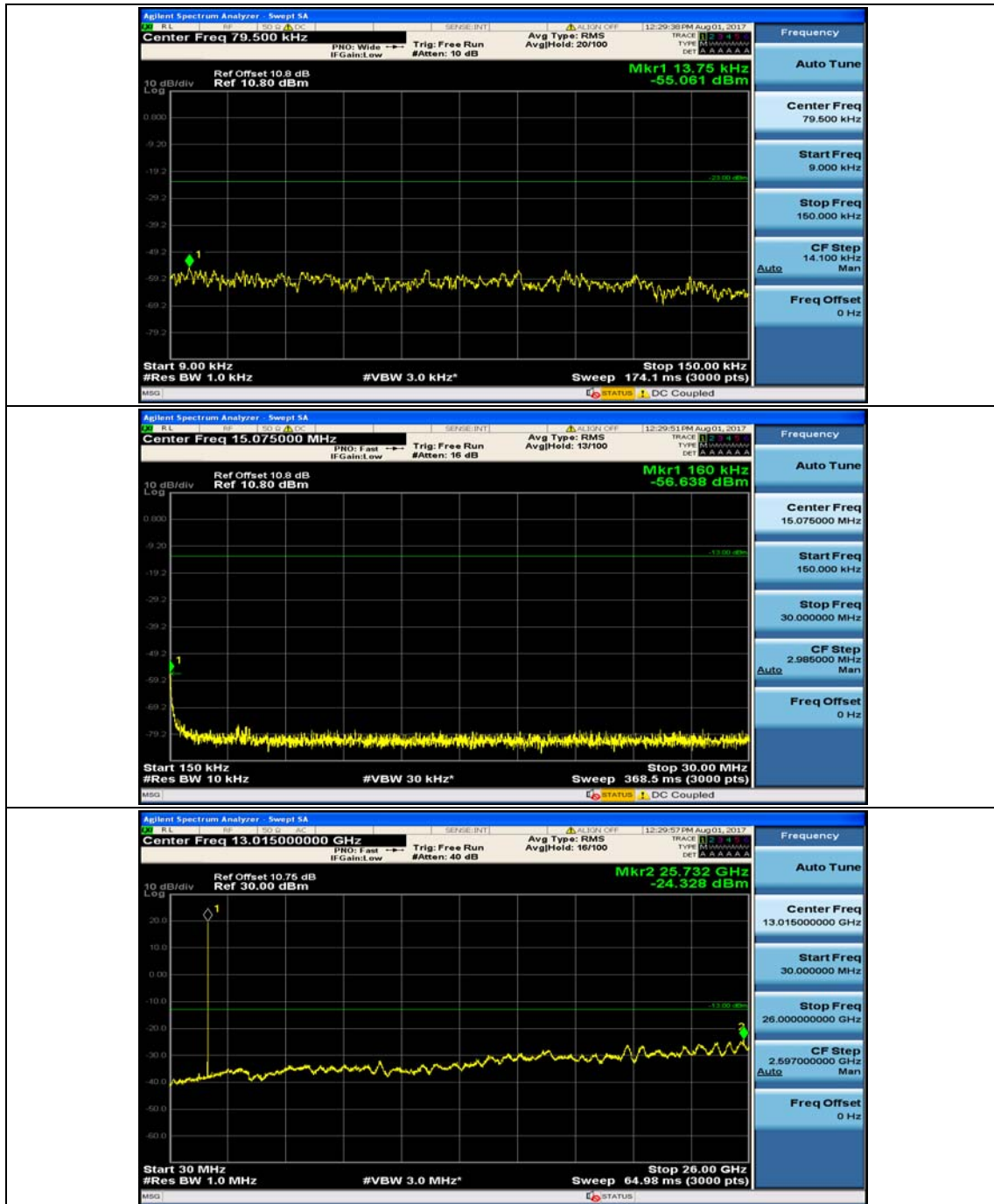


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-0.04	-0.000023	± 2.5	PASS
		VN	TN	4.9	0.002849	± 2.5	PASS
		VH	TN	3.18	0.001849	± 2.5	PASS
	MCH	VL	TN	3.74	0.002159	± 2.5	PASS
		VN	TN	2	0.001154	± 2.5	PASS
		VH	TN	2	0.001154	± 2.5	PASS
	HCH	VL	TN	0.15	0.000086	± 2.5	PASS
		VN	TN	0.21	0.000120	± 2.5	PASS
		VH	TN	3.8	0.002178	± 2.5	PASS
16QAM	LCH	VL	TN	-1.76	-0.001023	± 2.5	PASS
		VN	TN	0.02	0.000012	± 2.5	PASS
		VH	TN	1.5	0.000872	± 2.5	PASS
	MCH	VL	TN	-1.45	-0.000837	± 2.5	PASS
		VN	TN	1.41	0.000814	± 2.5	PASS
		VH	TN	-1.74	-0.001004	± 2.5	PASS
	HCH	VL	TN	3.55	0.002034	± 2.5	PASS
		VN	TN	-0.17	-0.000097	± 2.5	PASS
		VH	TN	2.94	0.001685	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.63	-0.000948	± 2.5	PASS
		VN	-20	4.17	0.002424	± 2.5	PASS
		VN	-10	-0.82	-0.000477	± 2.5	PASS
		VN	0	2.45	0.001424	± 2.5	PASS
		VN	10	2.45	0.001424	± 2.5	PASS
		VN	20	2.13	0.001238	± 2.5	PASS
		VN	30	4.8	0.002791	± 2.5	PASS
		VN	40	1.94	0.001128	± 2.5	PASS
		VN	50	1.19	0.000692	± 2.5	PASS
	MCH	VN	-30	-0.6	-0.000346	± 2.5	PASS

		VN	-20	2.61	0.001506	± 2.5	PASS
		VN	-10	4.84	0.002794	± 2.5	PASS
		VN	0	4.88	0.002817	± 2.5	PASS
		VN	10	2.87	0.001657	± 2.5	PASS
		VN	20	0.58	0.000335	± 2.5	PASS
		VN	30	3.75	0.002165	± 2.5	PASS
		VN	40	2.51	0.001449	± 2.5	PASS
		VN	50	1.39	0.000802	± 2.5	PASS
	HCH	VN	-30	4.94	0.002831	± 2.5	PASS
		VN	-20	0.48	0.000275	± 2.5	PASS
		VN	-10	-0.74	-0.000424	± 2.5	PASS
		VN	0	-1.91	-0.001095	± 2.5	PASS
		VN	10	1.95	0.001117	± 2.5	PASS
		VN	20	2.86	0.001639	± 2.5	PASS
		VN	30	-1.23	-0.000705	± 2.5	PASS
		VN	40	4.16	0.002384	± 2.5	PASS
		VN	50	3.5	0.002006	± 2.5	PASS
		16QAM	LCH	VN	-30	2.87	0.001657
VN	-20			-1.12	-0.000646	± 2.5	PASS
VN	-10			1.38	0.000797	± 2.5	PASS
VN	0			-0.68	-0.000392	± 2.5	PASS
VN	10			-1.73	-0.000999	± 2.5	PASS
VN	20			4.14	0.002390	± 2.5	PASS
VN	30			1.38	0.000797	± 2.5	PASS
VN	40			2.6	0.001501	± 2.5	PASS
VN	50			-1.2	-0.000693	± 2.5	PASS
MCH	VN		-30	0.53	0.000304	± 2.5	PASS
	VN		-20	-0.31	-0.000178	± 2.5	PASS
	VN		-10	0.21	0.000120	± 2.5	PASS
	VN		0	-0.3	-0.000172	± 2.5	PASS
	VN		10	-0.09	-0.000052	± 2.5	PASS
	VN		20	4.71	0.002699	± 2.5	PASS
	VN		30	0.82	0.000470	± 2.5	PASS
	VN		40	4.09	0.002344	± 2.5	PASS
	VN		50	-0.87	-0.000499	± 2.5	PASS
HCH	VN		-30	1.94	0.001112	± 2.5	PASS
	VN		-20	4.55	0.002607	± 2.5	PASS
	VN		-10	-1.74	-0.000997	± 2.5	PASS
	VN		0	3.44	0.001971	± 2.5	PASS
	VN		10	4.14	0.002372	± 2.5	PASS
	VN		20	-1.34	-0.000768	± 2.5	PASS

		VN	30	-0.31	-0.000178	± 2.5	PASS
		VN	40	3.75	0.002149	± 2.5	PASS
		VN	50	3.18	0.001822	± 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	1.38	0.000802	± 2.5	PASS
		VN	TN	1.99	0.001157	± 2.5	PASS
		VH	TN	4.38	0.002547	± 2.5	PASS
	MCH	VL	TN	-0.3	-0.000173	± 2.5	PASS
		VN	TN	3.19	0.001841	± 2.5	PASS
		VH	TN	1.63	0.000941	± 2.5	PASS
	HCH	VL	TN	-1.04	-0.000596	± 2.5	PASS
		VN	TN	0.57	0.000327	± 2.5	PASS
		VH	TN	-0.48	-0.000275	± 2.5	PASS
16QAM	LCH	VL	TN	-0.44	-0.000256	± 2.5	PASS
		VN	TN	0.71	0.000413	± 2.5	PASS
		VH	TN	2.47	0.001436	± 2.5	PASS
	MCH	VL	TN	1.6	0.000924	± 2.5	PASS
		VN	TN	2.84	0.001639	± 2.5	PASS
		VH	TN	4.09	0.002361	± 2.5	PASS
	HCH	VL	TN	-0.68	-0.000390	± 2.5	PASS
		VN	TN	4.88	0.002797	± 2.5	PASS
		VH	TN	-1.22	-0.000699	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.31	0.001924	± 2.5	PASS
		VN	-20	4.4	0.002558	± 2.5	PASS
		VN	-10	-1.18	-0.000686	± 2.5	PASS
		VN	0	0.02	0.000012	± 2.5	PASS
		VN	10	-1.82	-0.001058	± 2.5	PASS
		VN	20	3.01	0.001750	± 2.5	PASS
		VN	30	-0.91	-0.000529	± 2.5	PASS
		VN	40	3.54	0.002058	± 2.5	PASS
		VN	50	4.3	0.002500	± 2.5	PASS
	MCH	VN	-30	-1.37	-0.000791	± 2.5	PASS
		VN	-20	1.48	0.000854	± 2.5	PASS

		VN	-10	3.55	0.002049	± 2.5	PASS	
		VN	0	1.7	0.000981	± 2.5	PASS	
		VN	10	-1.64	-0.000947	± 2.5	PASS	
		VN	20	2.34	0.001351	± 2.5	PASS	
		VN	30	-0.39	-0.000225	± 2.5	PASS	
		VN	40	0.42	0.000242	± 2.5	PASS	
		VN	50	2.97	0.001714	± 2.5	PASS	
	HCH	VN	-30	2.59	0.001484	± 2.5	PASS	
		VN	-20	1.88	0.001077	± 2.5	PASS	
		VN	-10	3.9	0.002235	± 2.5	PASS	
		VN	0	2.04	0.001169	± 2.5	PASS	
		VN	10	3.76	0.002155	± 2.5	PASS	
		VN	20	-1.67	-0.000957	± 2.5	PASS	
		VN	30	2.48	0.001421	± 2.5	PASS	
	QPSK	LCH	VN	40	3.21	0.001840	± 2.5	PASS
			VN	50	1.57	0.000900	± 2.5	PASS
			VN	-30	1.25	0.000722	± 2.5	PASS
			VN	-20	-1.36	-0.000785	± 2.5	PASS
VN			-10	4.63	0.002672	± 2.5	PASS	
VN			0	4.05	0.002338	± 2.5	PASS	
VN			10	-0.79	-0.000456	± 2.5	PASS	
VN			20	0.9	0.000519	± 2.5	PASS	
VN			30	2.68	0.001547	± 2.5	PASS	
MCH		VN	40	1.57	0.000906	± 2.5	PASS	
		VN	50	-1.19	-0.000687	± 2.5	PASS	
		VN	-30	3.73	0.002138	± 2.5	PASS	
		VN	-20	0.91	0.000521	± 2.5	PASS	
		VN	-10	2.21	0.001266	± 2.5	PASS	
		VN	0	-0.51	-0.000292	± 2.5	PASS	
		VN	10	2.84	0.001628	± 2.5	PASS	
		VN	20	-1.22	-0.000699	± 2.5	PASS	
		VN	30	-0.94	-0.000539	± 2.5	PASS	
HCH	VN	40	4.5	0.002579	± 2.5	PASS		
	VN	50	4.04	0.002315	± 2.5	PASS		
	VN	-30	4.94	0.002831	± 2.5	PASS		
	VN	-20	-0.33	-0.000189	± 2.5	PASS		
	VN	-10	4.91	0.002814	± 2.5	PASS		
	VN	0	1.66	0.000951	± 2.5	PASS		
	VN	10	2.35	0.001347	± 2.5	PASS		
VN	20	1.96	0.001123	± 2.5	PASS			
VN	30	1.28	0.000734	± 2.5	PASS			

		VN	40	2.88	0.001650	± 2.5	PASS
		VN	50	-1.89	-0.001083	± 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	-1.58	-0.000919	± 2.5	PASS
		VN	TN	4.27	0.002483	± 2.5	PASS
		VH	TN	1.68	0.000977	± 2.5	PASS
	MCH	VL	TN	3.92	0.002263	± 2.5	PASS
		VN	TN	2.34	0.001351	± 2.5	PASS
		VH	TN	4.13	0.002384	± 2.5	PASS
	HCH	VL	TN	3.53	0.002023	± 2.5	PASS
		VN	TN	3.16	0.001811	± 2.5	PASS
		VH	TN	-0.69	-0.000395	± 2.5	PASS
16QAM	LCH	VL	TN	1.14	0.000663	± 2.5	PASS
		VN	TN	2.36	0.001372	± 2.5	PASS
		VH	TN	-1.98	-0.001151	± 2.5	PASS
	MCH	VL	TN	2.59	0.001495	± 2.5	PASS
		VN	TN	1.36	0.000785	± 2.5	PASS
		VH	TN	1.09	0.000629	± 2.5	PASS
	HCH	VL	TN	-1.12	-0.000642	± 2.5	PASS
		VN	TN	2.04	0.001169	± 2.5	PASS
		VH	TN	3.83	0.002195	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.75	-0.000436	± 2.5	PASS
		VN	-20	-1.88	-0.001093	± 2.5	PASS
		VN	-10	-1.98	-0.001151	± 2.5	PASS
		VN	0	2.13	0.001238	± 2.5	PASS
		VN	10	3.14	0.001826	± 2.5	PASS
		VN	20	-1.52	-0.000884	± 2.5	PASS
		VN	30	-0.37	-0.000215	± 2.5	PASS
		VN	40	-0.88	-0.000512	± 2.5	PASS
		VN	50	4.98	0.002895	± 2.5	PASS
	MCH	VN	-30	4.38	0.002528	± 2.5	PASS
		VN	-20	4.93	0.002846	± 2.5	PASS
		VN	-10	1.99	0.001149	± 2.5	PASS

		VN	0	-0.54	-0.000312	± 2.5	PASS		
		VN	10	-0.56	-0.000323	± 2.5	PASS		
		VN	20	2.19	0.001264	± 2.5	PASS		
		VN	30	3.4	0.001962	± 2.5	PASS		
		VN	40	-1.24	-0.000716	± 2.5	PASS		
		VN	50	3.84	0.002216	± 2.5	PASS		
	HCH	VN	-30	1.39	0.000797	± 2.5	PASS		
		VN	-20	2.03	0.001163	± 2.5	PASS		
		VN	-10	3.92	0.002246	± 2.5	PASS		
		VN	0	2.02	0.001158	± 2.5	PASS		
		VN	10	3.03	0.001736	± 2.5	PASS		
		VN	20	2.95	0.001691	± 2.5	PASS		
		VN	30	-1.29	-0.000739	± 2.5	PASS		
		VN	40	-1.68	-0.000963	± 2.5	PASS		
		VN	50	3.02	0.001731	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.19	0.000110	± 2.5	PASS
				VN	-20	1.62	0.000935	± 2.5	PASS
				VN	-10	-1.81	-0.001045	± 2.5	PASS
VN	0			0.12	0.000069	± 2.5	PASS		
VN	10			-1.5	-0.000866	± 2.5	PASS		
VN	20			3.06	0.001766	± 2.5	PASS		
VN	30			1.84	0.001062	± 2.5	PASS		
VN	40			0.71	0.000410	± 2.5	PASS		
VN	50			4.06	0.002343	± 2.5	PASS		
MCH	VN		-30	-1.1	-0.000630	± 2.5	PASS		
	VN		-20	3.35	0.001920	± 2.5	PASS		
	VN		-10	-1.22	-0.000699	± 2.5	PASS		
	VN		0	2.9	0.001662	± 2.5	PASS		
	VN		10	4.73	0.002711	± 2.5	PASS		
	VN		20	-0.02	-0.000011	± 2.5	PASS		
	VN		30	3.01	0.001725	± 2.5	PASS		
	VN		40	1.64	0.000940	± 2.5	PASS		
	VN		50	0.99	0.000567	± 2.5	PASS		
HCH	VN		-30	-0.41	-0.000235	± 2.5	PASS		
	VN		-20	1.95	0.001117	± 2.5	PASS		
	VN		-10	0.29	0.000166	± 2.5	PASS		
	VN		0	-1.73	-0.000991	± 2.5	PASS		
	VN		10	-1.93	-0.001106	± 2.5	PASS		
	VN		20	-1.15	-0.000659	± 2.5	PASS		
	VN		30	3.82	0.002189	± 2.5	PASS		
	VN		40	3.27	0.001874	± 2.5	PASS		

		VN	50	1.93	0.001106	± 2.5	PASS
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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.11	-0.000645	± 2.5	PASS
		VN	TN	2.15	0.001250	± 2.5	PASS
		VH	TN	3.03	0.001762	± 2.5	PASS
	MCH	VL	TN	0.5	0.000289	± 2.5	PASS
		VN	TN	4.77	0.002753	± 2.5	PASS
		VH	TN	4.39	0.002534	± 2.5	PASS
	HCH	VL	TN	4.1	0.002350	± 2.5	PASS
		VN	TN	0.62	0.000355	± 2.5	PASS
		VH	TN	1.18	0.000676	± 2.5	PASS
16QAM	LCH	VL	TN	3.1	0.001802	± 2.5	PASS
		VN	TN	-1.4	-0.000814	± 2.5	PASS
		VH	TN	2.11	0.001227	± 2.5	PASS
	MCH	VL	TN	3.46	0.001997	± 2.5	PASS
		VN	TN	1.96	0.001131	± 2.5	PASS
		VH	TN	3.62	0.002089	± 2.5	PASS
	HCH	VL	TN	4.17	0.002390	± 2.5	PASS
		VN	TN	2.81	0.001610	± 2.5	PASS
		VH	TN	1.81	0.001037	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.73	0.001587	± 2.5	PASS
		VN	-20	2.67	0.001552	± 2.5	PASS
		VN	-10	4.4	0.002558	± 2.5	PASS
		VN	0	0	0.000000	± 2.5	PASS
		VN	10	2.47	0.001436	± 2.5	PASS
		VN	20	-1.83	-0.001064	± 2.5	PASS
		VN	30	-1.42	-0.000826	± 2.5	PASS
		VN	40	-0.96	-0.000558	± 2.5	PASS
		VN	50	3.34	0.001942	± 2.5	PASS
	MCH	VN	-30	3.46	0.001997	± 2.5	PASS
		VN	-20	3.04	0.001755	± 2.5	PASS
		VN	-10	-0.47	-0.000271	± 2.5	PASS
		VN	0	0.17	0.000098	± 2.5	PASS

		VN	10	0.85	0.000491	± 2.5	PASS
		VN	20	3.5	0.002020	± 2.5	PASS
		VN	30	-0.9	-0.000519	± 2.5	PASS
		VN	40	3.39	0.001957	± 2.5	PASS
		VN	50	3.82	0.002205	± 2.5	PASS
	HCH	VN	-30	3.27	0.001874	± 2.5	PASS
		VN	-20	3.09	0.001771	± 2.5	PASS
		VN	-10	4.12	0.002361	± 2.5	PASS
		VN	0	-0.05	-0.000029	± 2.5	PASS
		VN	10	0.56	0.000321	± 2.5	PASS
		VN	20	2.05	0.001175	± 2.5	PASS
		VN	30	0.92	0.000527	± 2.5	PASS
		VN	40	-1.74	-0.000997	± 2.5	PASS
		VN	50	0.63	0.000361	± 2.5	PASS
		QPSK	LCH	VN	-30	-0.99	-0.000571
VN	-20			1.19	0.000687	± 2.5	PASS
VN	-10			-0.41	-0.000237	± 2.5	PASS
VN	0			-0.31	-0.000179	± 2.5	PASS
VN	10			4.19	0.002418	± 2.5	PASS
VN	20			1.99	0.001149	± 2.5	PASS
VN	30			4.45	0.002569	± 2.5	PASS
VN	40			3	0.001732	± 2.5	PASS
VN	50			-1.16	-0.000670	± 2.5	PASS
MCH	VN		-30	3.85	0.002206	± 2.5	PASS
	VN		-20	1	0.000573	± 2.5	PASS
	VN		-10	3.04	0.001742	± 2.5	PASS
	VN		0	2.27	0.001301	± 2.5	PASS
	VN		10	-1.3	-0.000745	± 2.5	PASS
	VN		20	2.05	0.001175	± 2.5	PASS
	VN		30	4.86	0.002785	± 2.5	PASS
	VN		40	4.18	0.002395	± 2.5	PASS
	VN		50	3.63	0.002080	± 2.5	PASS
HCH	VN		-30	-0.71	-0.000407	± 2.5	PASS
	VN		-20	4.01	0.002298	± 2.5	PASS
	VN		-10	1.03	0.000590	± 2.5	PASS
	VN		0	3.87	0.002218	± 2.5	PASS
	VN		10	1.57	0.000900	± 2.5	PASS
	VN		20	3.39	0.001943	± 2.5	PASS
	VN		30	-0.68	-0.000390	± 2.5	PASS
	VN		40	3.36	0.001926	± 2.5	PASS
	VN		50	2.45	0.001404	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.9	0.002849	± 2.5	PASS
		VN	TN	3.73	0.002169	± 2.5	PASS
		VH	TN	3.91	0.002273	± 2.5	PASS
	MCH	VL	TN	-1.54	-0.000889	± 2.5	PASS
		VN	TN	3.79	0.002188	± 2.5	PASS
		VH	TN	4.85	0.002799	± 2.5	PASS
	HCH	VL	TN	3.51	0.002011	± 2.5	PASS
		VN	TN	2.61	0.001496	± 2.5	PASS
		VH	TN	4.84	0.002774	± 2.5	PASS
16QAM	LCH	VL	TN	-1.04	-0.000605	± 2.5	PASS
		VN	TN	2.53	0.001471	± 2.5	PASS
		VH	TN	1.94	0.001128	± 2.5	PASS
	MCH	VL	TN	-0.47	-0.000271	± 2.5	PASS
		VN	TN	2.03	0.001172	± 2.5	PASS
		VH	TN	4.24	0.002447	± 2.5	PASS
	HCH	VL	TN	0.5	0.000287	± 2.5	PASS
		VN	TN	-0.78	-0.000447	± 2.5	PASS
		VH	TN	-0.67	-0.000384	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.31	-0.000762	± 2.5	PASS
		VN	-20	4.95	0.002878	± 2.5	PASS
		VN	-10	0.44	0.000256	± 2.5	PASS
		VN	0	1.12	0.000651	± 2.5	PASS
		VN	10	4.26	0.002477	± 2.5	PASS
		VN	20	2.02	0.001174	± 2.5	PASS
		VN	30	-1.09	-0.000634	± 2.5	PASS
		VN	40	1.19	0.000692	± 2.5	PASS
		VN	50	-0.65	-0.000378	± 2.5	PASS
	MCH	VN	-30	4.44	0.002563	± 2.5	PASS
		VN	-20	-1.56	-0.000900	± 2.5	PASS
		VN	-10	2.69	0.001553	± 2.5	PASS
		VN	0	-0.8	-0.000462	± 2.5	PASS
		VN	10	4.51	0.002603	± 2.5	PASS
		VN	20	0.77	0.000444	± 2.5	PASS

		VN	30	2.36	0.001362	± 2.5	PASS
		VN	40	4.72	0.002724	± 2.5	PASS
		VN	50	1.01	0.000583	± 2.5	PASS
	HCH	VN	-30	2.63	0.001507	± 2.5	PASS
		VN	-20	1.87	0.001072	± 2.5	PASS
		VN	-10	1.28	0.000734	± 2.5	PASS
		VN	0	-0.48	-0.000275	± 2.5	PASS
		VN	10	3.69	0.002115	± 2.5	PASS
		VN	20	2.28	0.001307	± 2.5	PASS
		VN	30	1.97	0.001129	± 2.5	PASS
		VN	40	4.54	0.002602	± 2.5	PASS
		VN	50	1.63	0.000934	± 2.5	PASS
QPSK	LCH	VN	-30	1.22	0.000704	± 2.5	PASS
		VN	-20	-1.34	-0.000773	± 2.5	PASS
		VN	-10	-1.04	-0.000600	± 2.5	PASS
		VN	0	4.72	0.002724	± 2.5	PASS
		VN	10	0.92	0.000531	± 2.5	PASS
		VN	20	2.52	0.001455	± 2.5	PASS
		VN	30	3.73	0.002153	± 2.5	PASS
		VN	40	2.86	0.001651	± 2.5	PASS
	MCH	VN	50	-1.44	-0.000831	± 2.5	PASS
		VN	-30	0.07	0.000040	± 2.5	PASS
		VN	-20	3.77	0.002160	± 2.5	PASS
		VN	-10	1.08	0.000619	± 2.5	PASS
		VN	0	2.59	0.001484	± 2.5	PASS
		VN	10	-0.21	-0.000120	± 2.5	PASS
		VN	20	4.45	0.002550	± 2.5	PASS
		VN	30	2.57	0.001473	± 2.5	PASS
		VN	40	0.06	0.000034	± 2.5	PASS
		VN	50	2.21	0.001266	± 2.5	PASS
	HCH	VN	-30	3.73	0.002138	± 2.5	PASS
		VN	-20	4.12	0.002361	± 2.5	PASS
		VN	-10	-1.16	-0.000665	± 2.5	PASS
		VN	0	4.54	0.002602	± 2.5	PASS
		VN	10	2.5	0.001433	± 2.5	PASS
		VN	20	2.05	0.001175	± 2.5	PASS
VN		30	2.58	0.001479	± 2.5	PASS	
VN		40	3.28	0.001880	± 2.5	PASS	
VN	50	-1.92	-0.001100	± 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	0.14	0.000081	± 2.5	PASS
		VN	TN	3.78	0.002198	± 2.5	PASS
		VH	TN	1.7	0.000988	± 2.5	PASS
	MCH	VL	TN	0.19	0.000110	± 2.5	PASS
		VN	TN	3.61	0.002084	± 2.5	PASS
		VH	TN	4.43	0.002557	± 2.5	PASS
	HCH	VL	TN	3.25	0.001862	± 2.5	PASS
		VN	TN	3.95	0.002264	± 2.5	PASS
		VH	TN	-1.55	-0.000888	± 2.5	PASS
16QAM	LCH	VL	TN	-0.24	-0.000140	± 2.5	PASS
		VN	TN	0.28	0.000163	± 2.5	PASS
		VH	TN	2.6	0.001512	± 2.5	PASS
	MCH	VL	TN	4.43	0.002557	± 2.5	PASS
		VN	TN	4.03	0.002326	± 2.5	PASS
		VH	TN	-1.68	-0.000970	± 2.5	PASS
	HCH	VL	TN	4.59	0.002630	± 2.5	PASS
		VN	TN	2.66	0.001524	± 2.5	PASS
		VH	TN	3.17	0.001817	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.1	0.000640	± 2.5	PASS
		VN	-20	0.88	0.000512	± 2.5	PASS
		VN	-10	-0.08	-0.000047	± 2.5	PASS
		VN	0	4.77	0.002773	± 2.5	PASS
		VN	10	4.96	0.002884	± 2.5	PASS
		VN	20	1.71	0.000994	± 2.5	PASS
		VN	30	4.9	0.002849	± 2.5	PASS
		VN	40	4.2	0.002442	± 2.5	PASS
		VN	50	4.16	0.002419	± 2.5	PASS
	MCH	VN	-30	0.75	0.000433	± 2.5	PASS
		VN	-20	2.85	0.001645	± 2.5	PASS
		VN	-10	0.9	0.000519	± 2.5	PASS
		VN	0	0.77	0.000444	± 2.5	PASS
		VN	10	4.02	0.002320	± 2.5	PASS
		VN	20	-1.72	-0.000993	± 2.5	PASS

		VN	30	4.09	0.002361	± 2.5	PASS
		VN	40	1.93	0.001114	± 2.5	PASS
		VN	50	4.59	0.002649	± 2.5	PASS
	HCH	VN	-30	0.96	0.000550	± 2.5	PASS
		VN	-20	1.62	0.000928	± 2.5	PASS
		VN	-10	-1.59	-0.000911	± 2.5	PASS
		VN	0	2.1	0.001203	± 2.5	PASS
		VN	10	-1.93	-0.001106	± 2.5	PASS
		VN	20	-0.28	-0.000160	± 2.5	PASS
		VN	30	3.95	0.002264	± 2.5	PASS
		VN	40	-1.7	-0.000974	± 2.5	PASS
		VN	50	0.81	0.000464	± 2.5	PASS
QPSK	LCH	VN	-30	0.82	0.000473	± 2.5	PASS
		VN	-20	4.96	0.002863	± 2.5	PASS
		VN	-10	0.47	0.000271	± 2.5	PASS
		VN	0	4.38	0.002528	± 2.5	PASS
		VN	10	4.17	0.002407	± 2.5	PASS
		VN	20	-0.05	-0.000029	± 2.5	PASS
		VN	30	1.52	0.000877	± 2.5	PASS
		VN	40	3.35	0.001934	± 2.5	PASS
		VN	50	4.67	0.002696	± 2.5	PASS
	MCH	VN	-30	2.2	0.001261	± 2.5	PASS
		VN	-20	2.4	0.001375	± 2.5	PASS
		VN	-10	4.9	0.002808	± 2.5	PASS
		VN	0	3.98	0.002281	± 2.5	PASS
		VN	10	-1.65	-0.000946	± 2.5	PASS
		VN	20	0.21	0.000120	± 2.5	PASS
		VN	30	3.17	0.001817	± 2.5	PASS
		VN	40	2.14	0.001226	± 2.5	PASS
		VN	50	2.21	0.001266	± 2.5	PASS
	HCH	VN	-30	-0.09	-0.000052	± 2.5	PASS
		VN	-20	3.03	0.001736	± 2.5	PASS
		VN	-10	-0.56	-0.000321	± 2.5	PASS
		VN	0	1.82	0.001043	± 2.5	PASS
		VN	10	0.98	0.000562	± 2.5	PASS
		VN	20	0.9	0.000516	± 2.5	PASS
		VN	30	1.5	0.000860	± 2.5	PASS
		VN	40	1.67	0.000957	± 2.5	PASS
		VN	50	2.39	0.001370	± 2.5	PASS