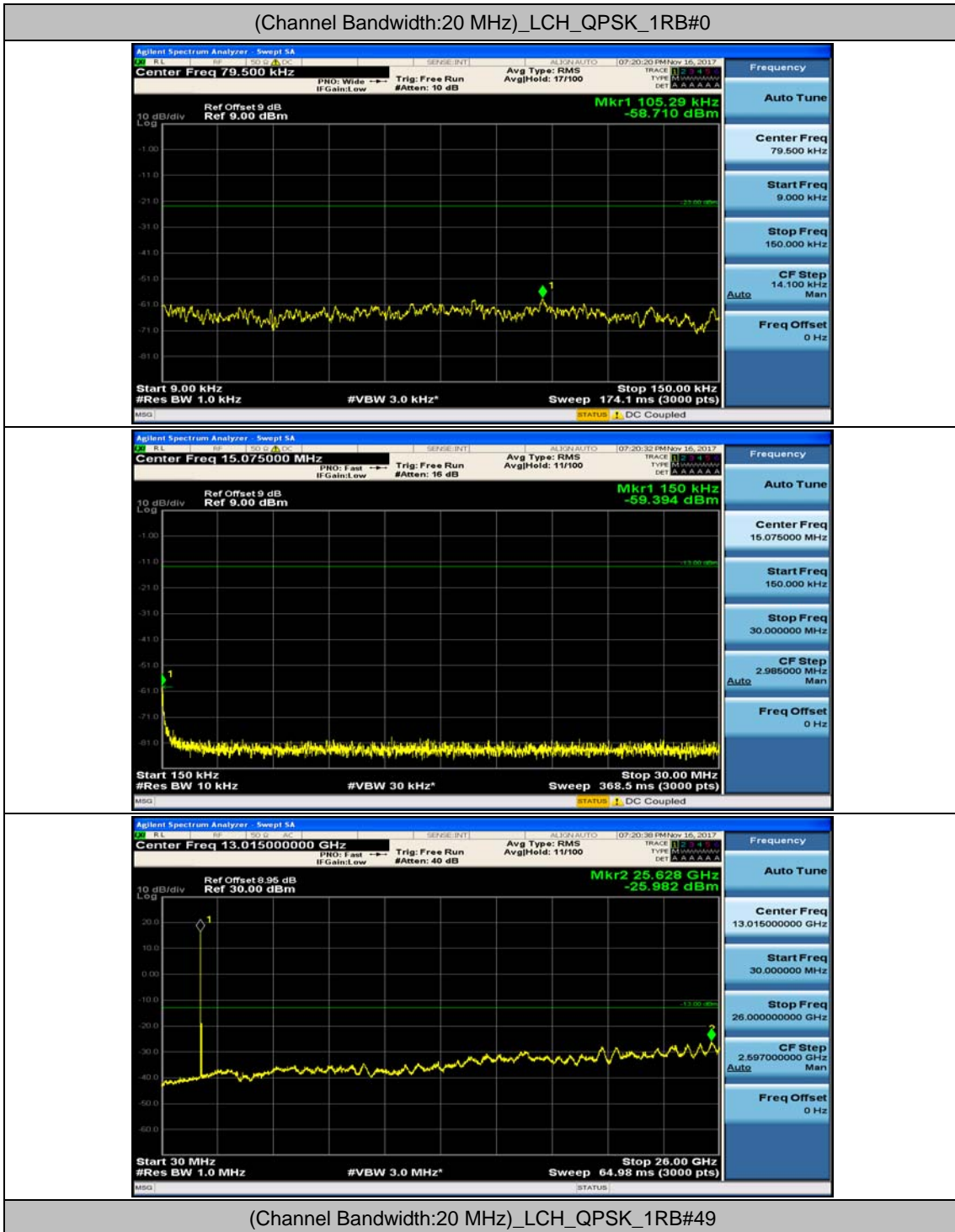
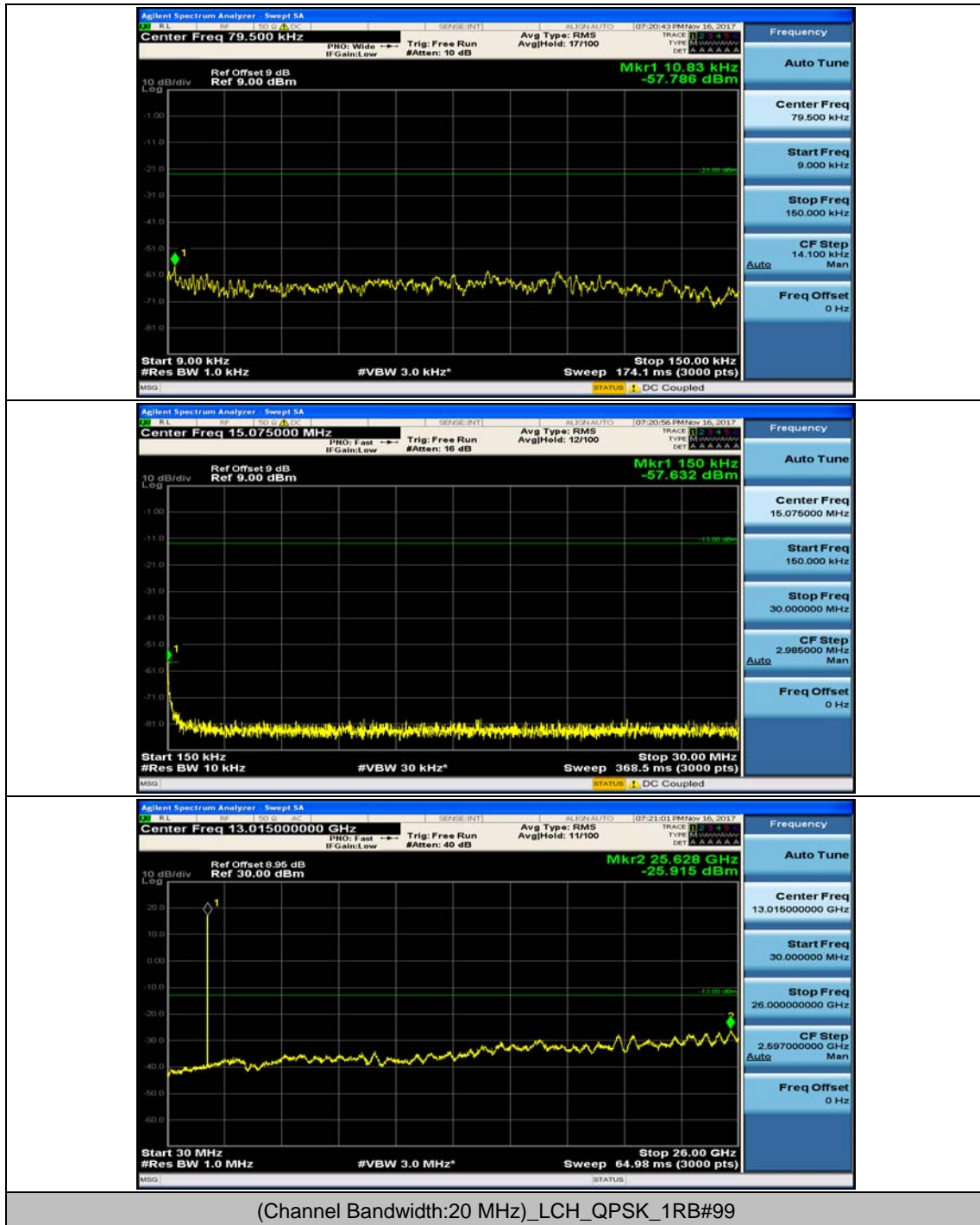
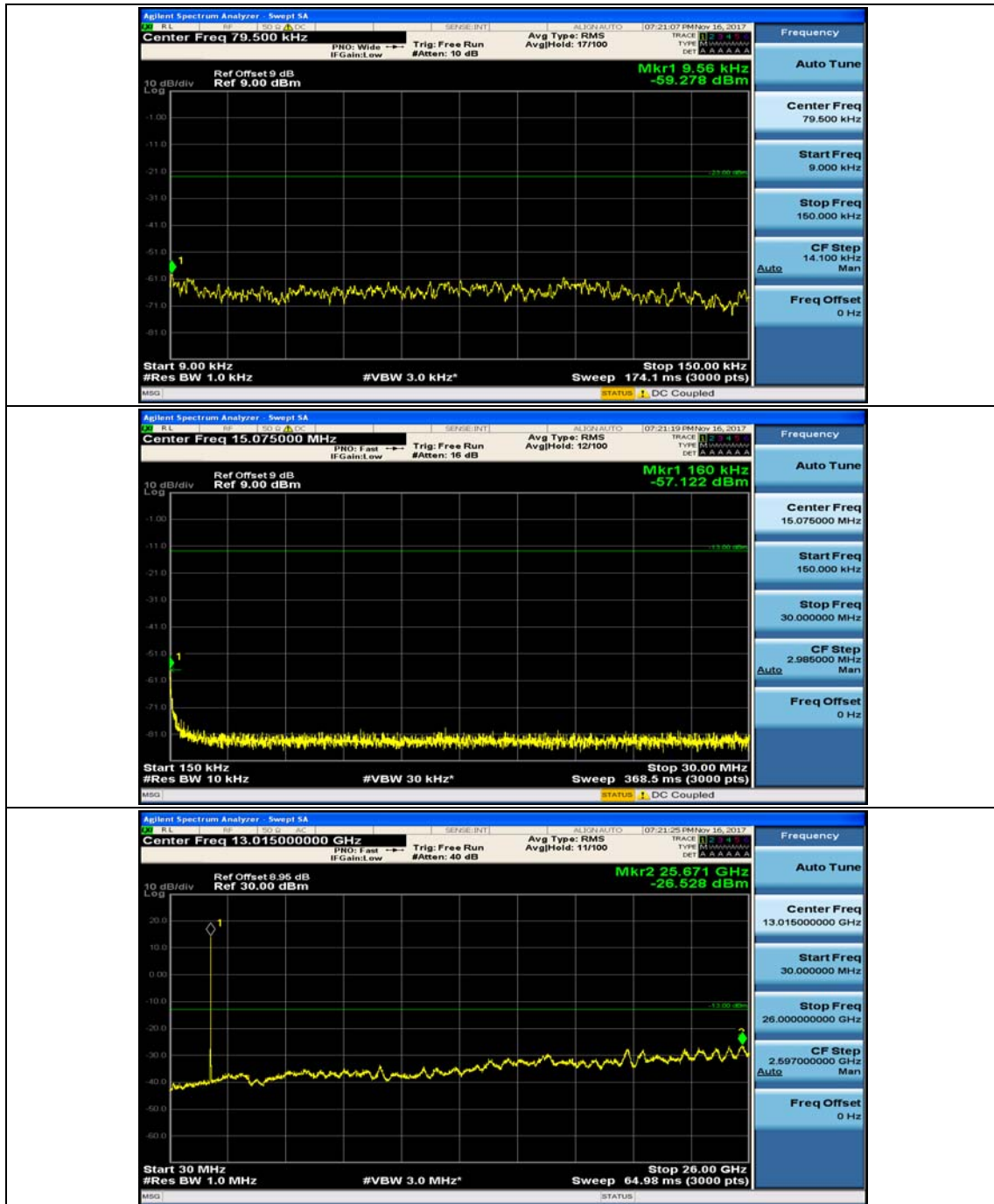


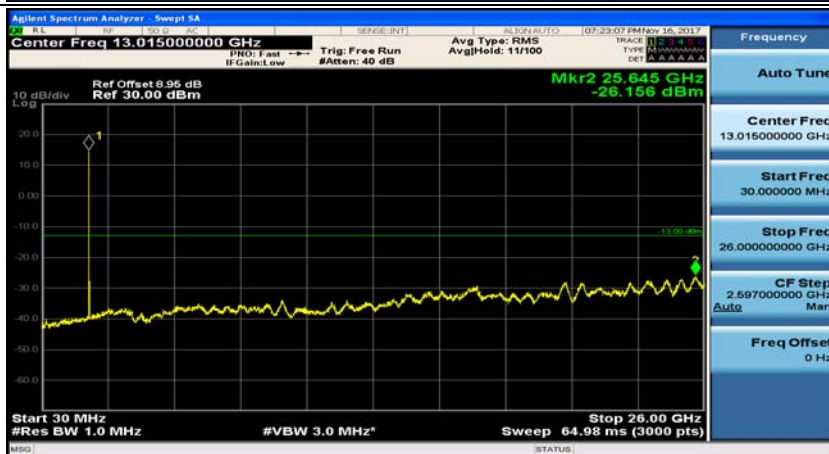
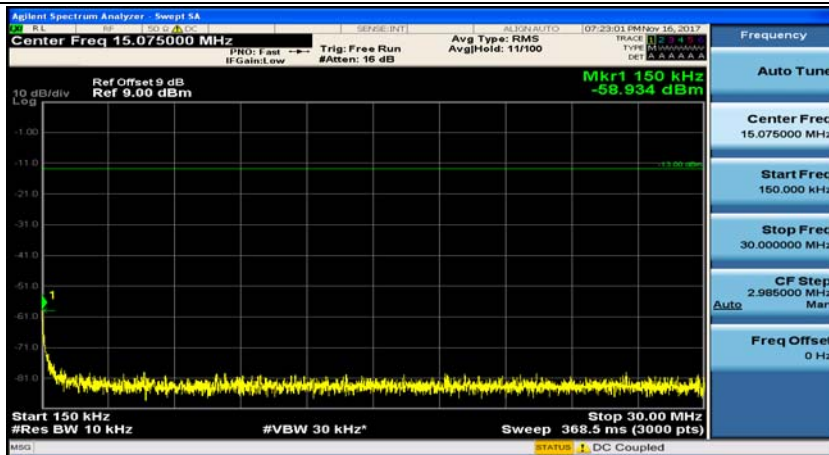
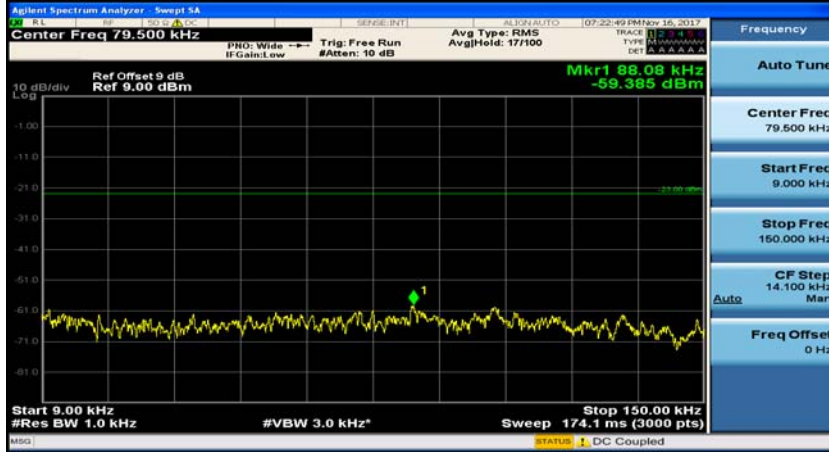
Channel Bandwidth: 20 MHz



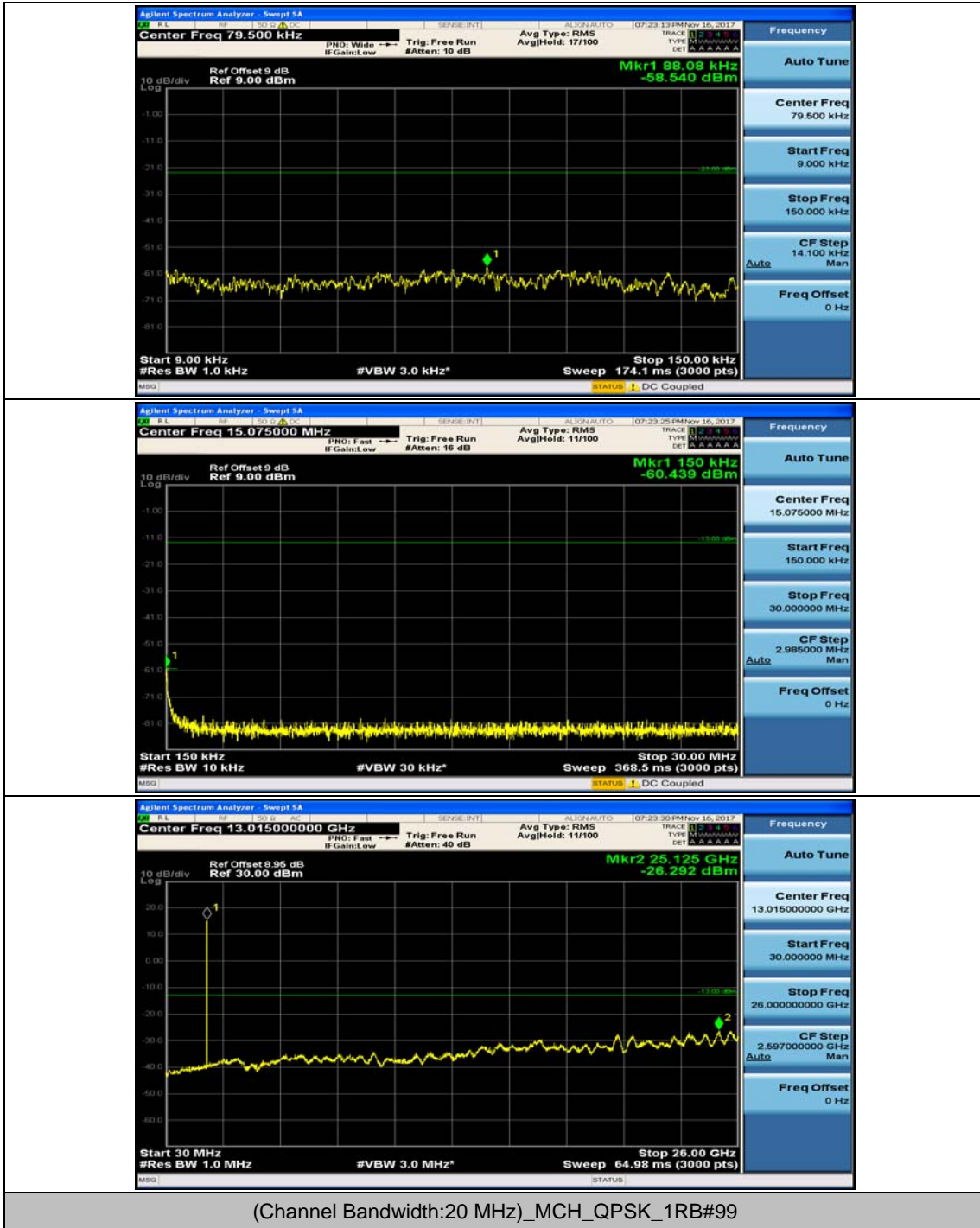


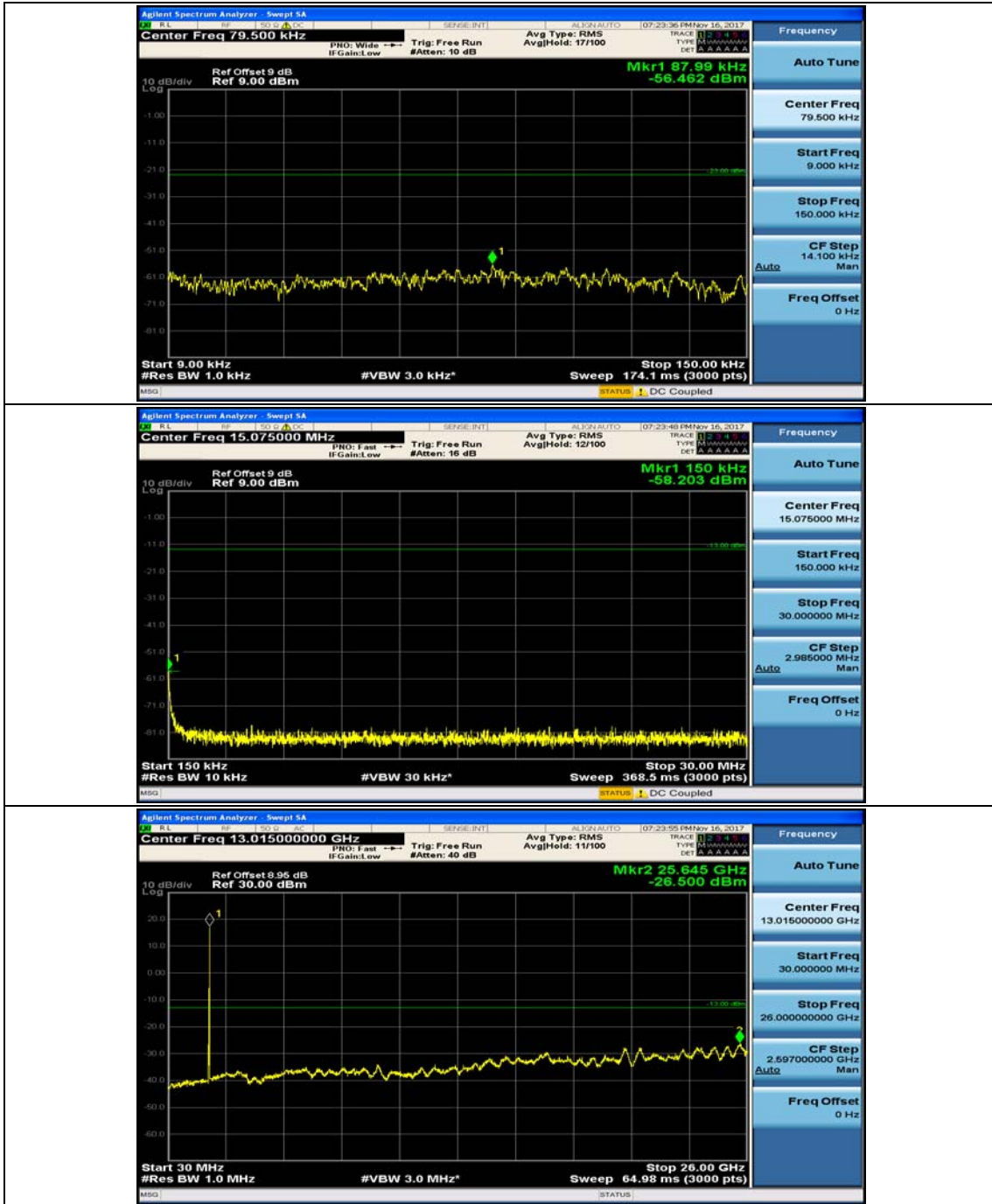


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

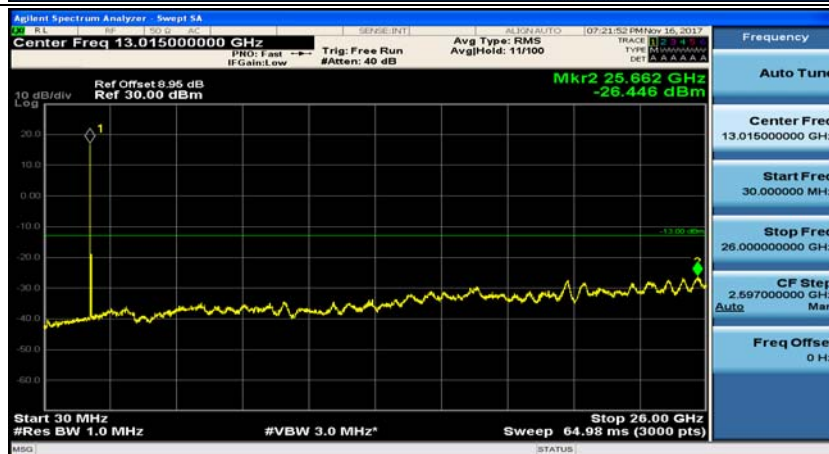
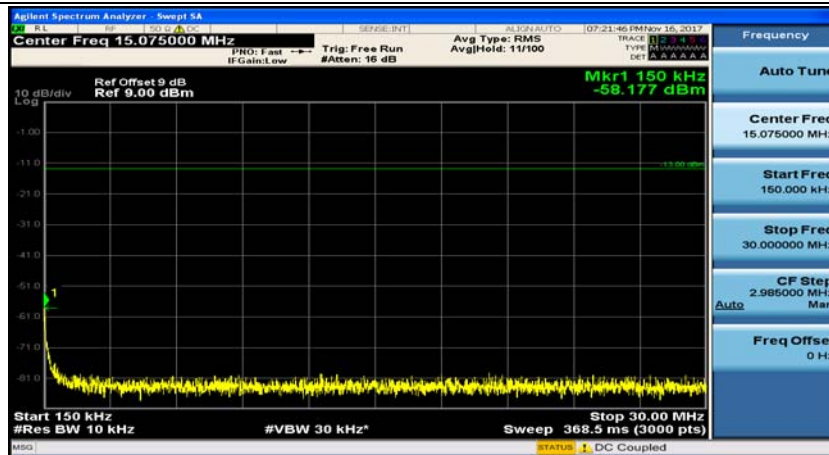


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

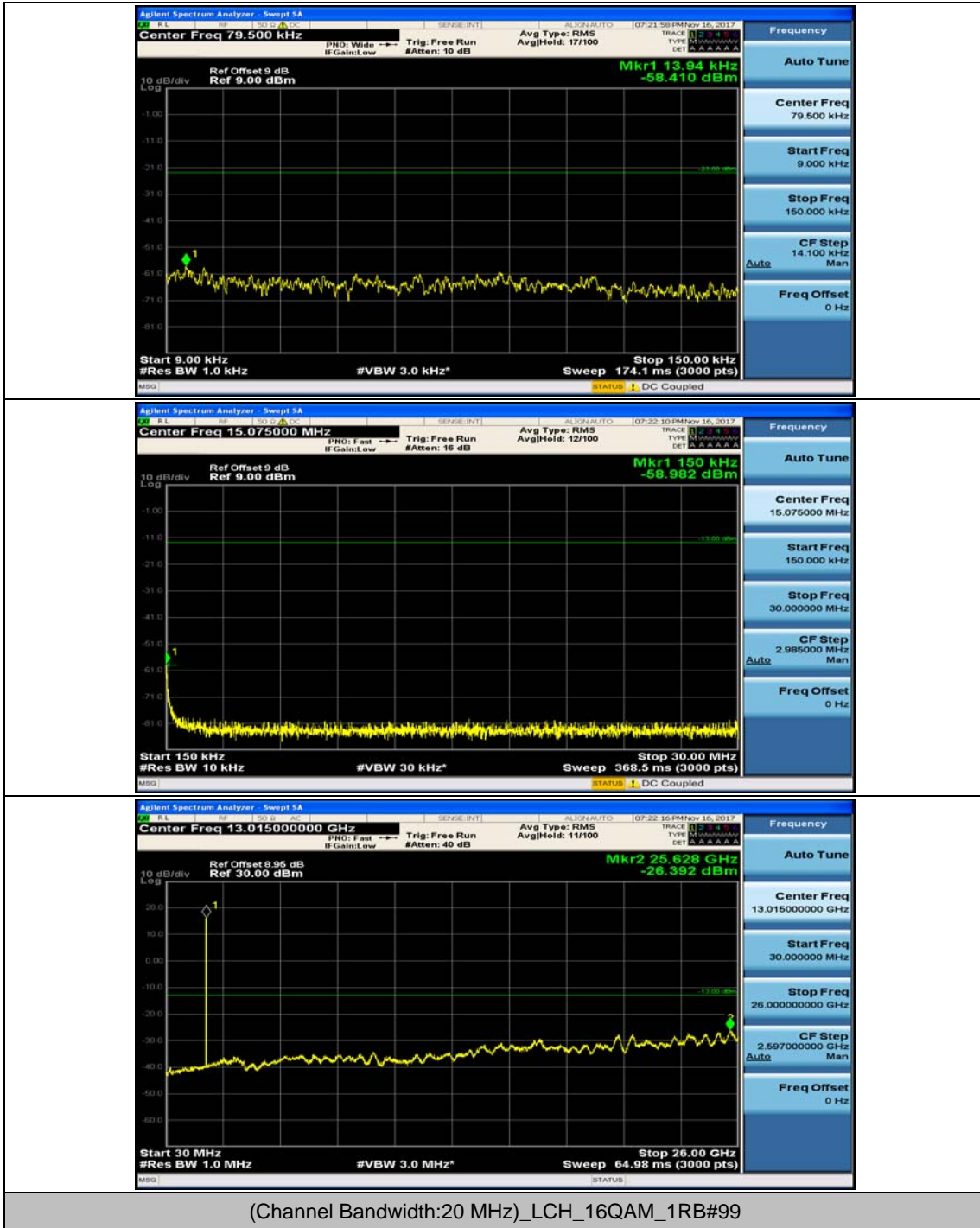


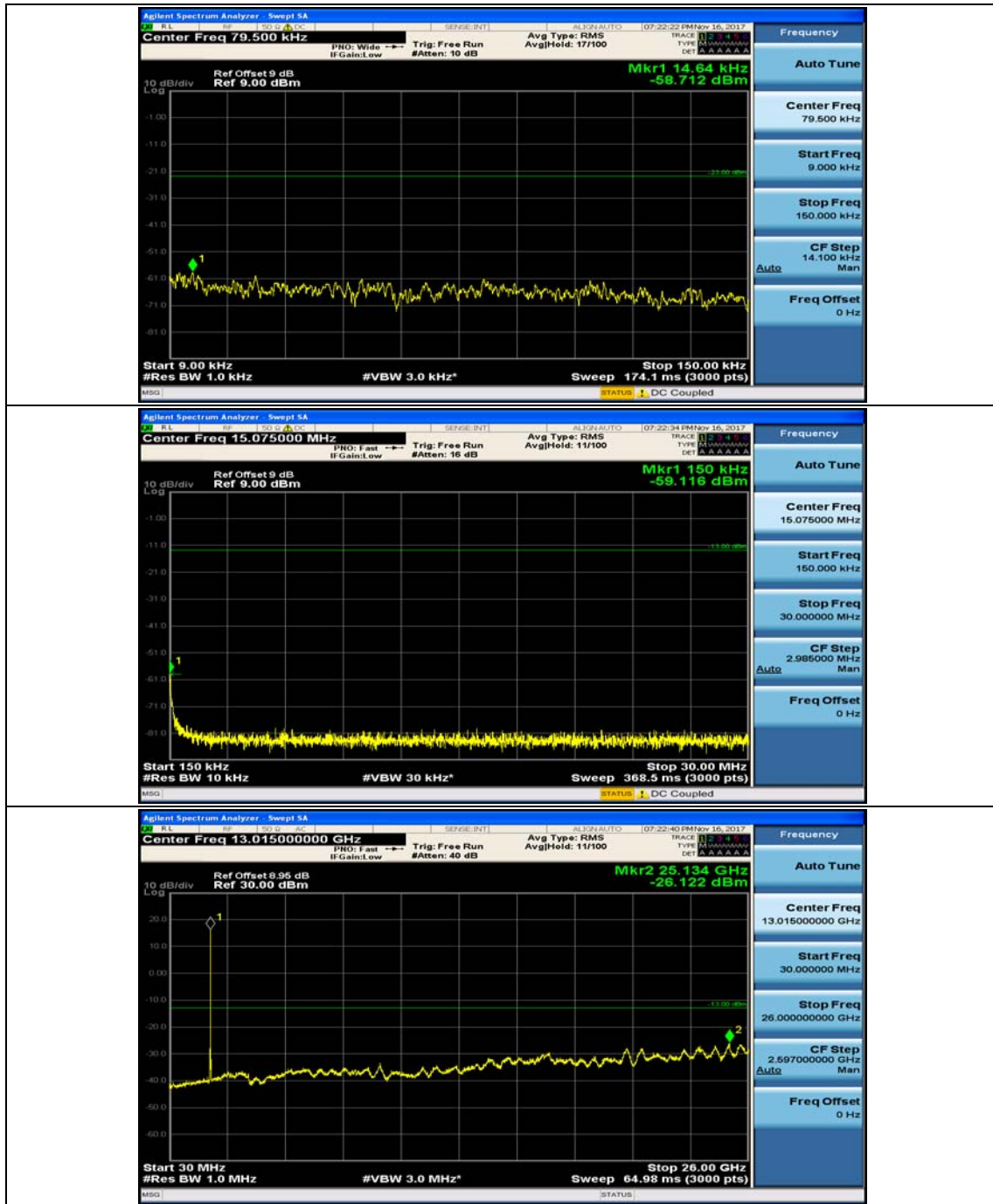


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

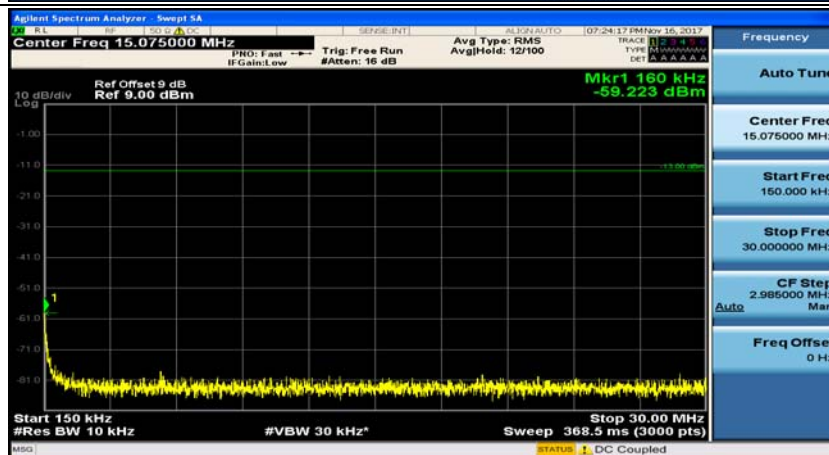


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

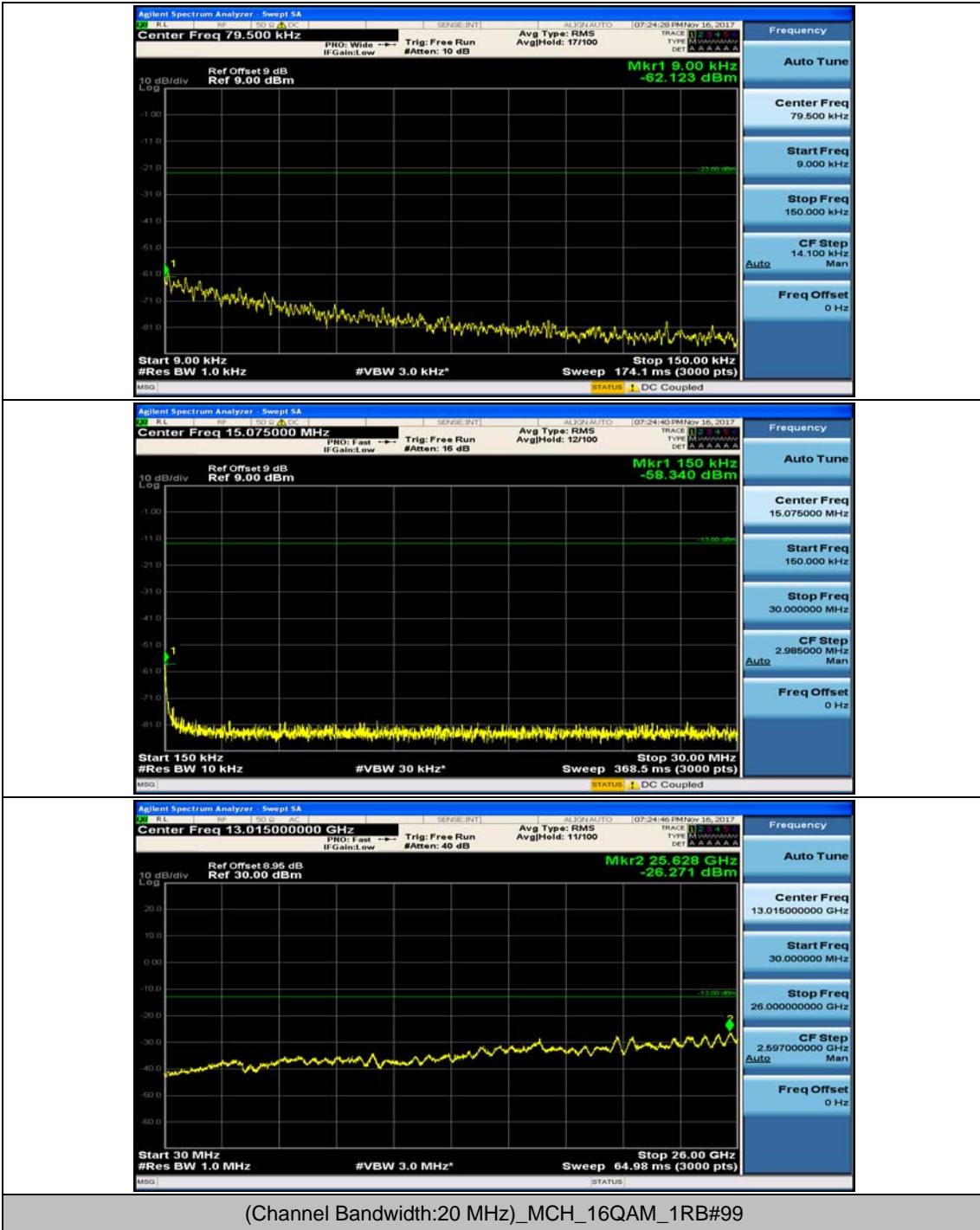


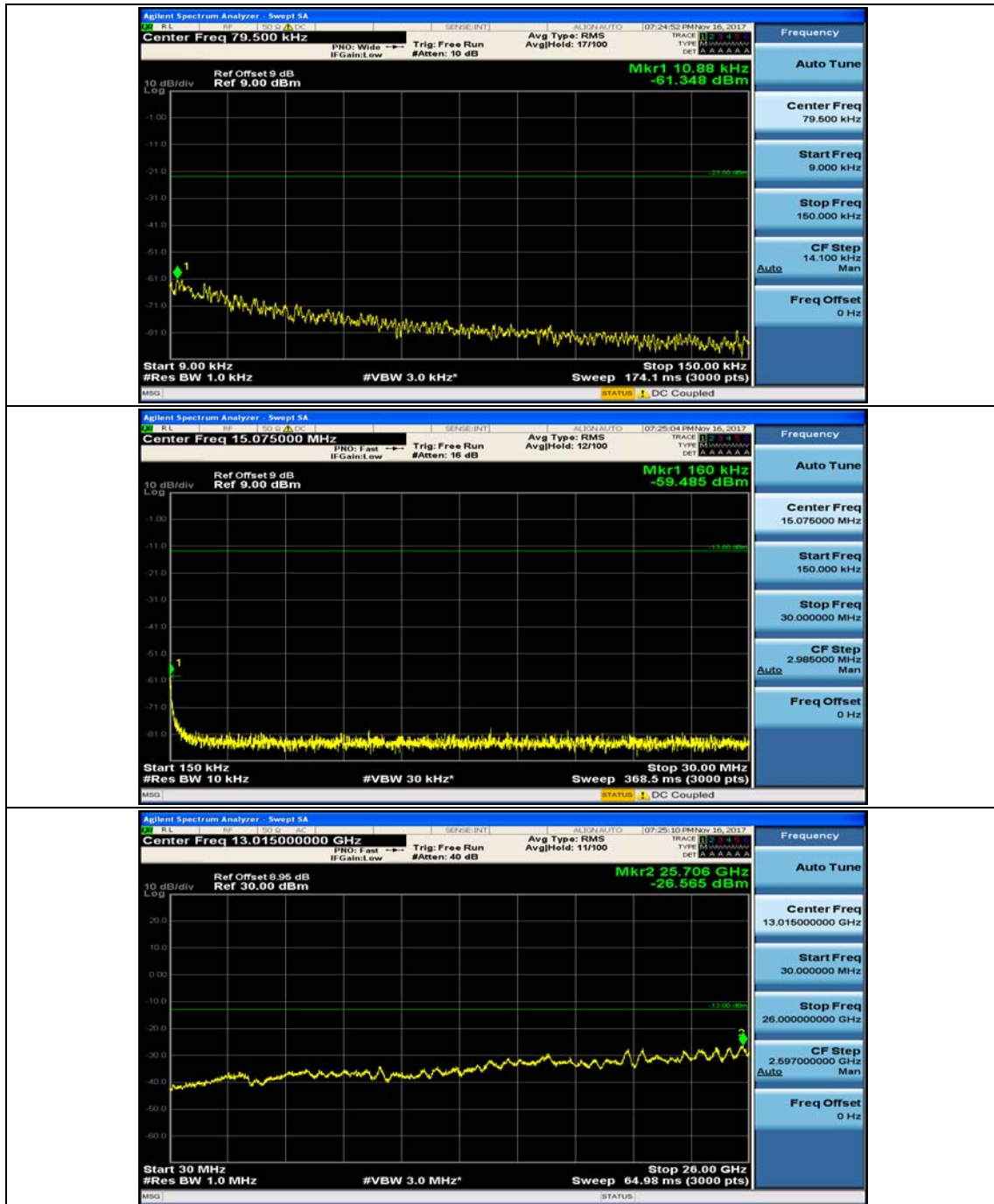


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49





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	-1.64	-0.000886	± 2.5	PASS
		VN	TN	0.73	0.000394	± 2.5	PASS
		VH	TN	3.66	0.001978	± 2.5	PASS
	MCH	VL	TN	0.14	0.000074	± 2.5	PASS
		VN	TN	-1.55	-0.000824	± 2.5	PASS
		VH	TN	-1.56	-0.000830	± 2.5	PASS
	HCH	VL	TN	-0.39	-0.000204	± 2.5	PASS
		VN	TN	1.6	0.000838	± 2.5	PASS
		VH	TN	2.11	0.001105	± 2.5	PASS
16QAM	LCH	VL	TN	1.36	0.000735	± 2.5	PASS
		VN	TN	4.47	0.002415	± 2.5	PASS
		VH	TN	4.71	0.002545	± 2.5	PASS
	MCH	VL	TN	4.25	0.002261	± 2.5	PASS
		VN	TN	2.41	0.001282	± 2.5	PASS
		VH	TN	2.43	0.001293	± 2.5	PASS
	HCH	VL	TN	-0.9	-0.000471	± 2.5	PASS
		VN	TN	-0.83	-0.000435	± 2.5	PASS
		VH	TN	-0.64	-0.000335	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.32	-0.000173	± 2.5	PASS
		VN	-20	4.46	0.002410	± 2.5	PASS
		VN	-10	-0.12	-0.000065	± 2.5	PASS
		VN	0	4.25	0.002296	± 2.5	PASS
		VN	10	2.07	0.001118	± 2.5	PASS
		VN	20	-0.34	-0.000184	± 2.5	PASS
		VN	30	-0.58	-0.000313	± 2.5	PASS
		VN	40	1.8	0.000973	± 2.5	PASS
		VN	50	4.29	0.002318	± 2.5	PASS
	MCH	VN	-30	3.16	0.001681	± 2.5	PASS

	VN	-20	-1.55	-0.000824	± 2.5	PASS	
		-10	-1.32	-0.000702	± 2.5	PASS	
		0	3.06	0.001628	± 2.5	PASS	
		10	-1.1	-0.000585	± 2.5	PASS	
		20	0.21	0.000112	± 2.5	PASS	
		30	0.9	0.000479	± 2.5	PASS	
		40	0.23	0.000122	± 2.5	PASS	
		50	3.6	0.001915	± 2.5	PASS	
	HCH	VN	-30	4.95	0.002593	± 2.5	PASS
		VN	-20	2.48	0.001299	± 2.5	PASS
		VN	-10	4.09	0.002142	± 2.5	PASS
		VN	0	2.36	0.001236	± 2.5	PASS
		VN	10	-0.85	-0.000445	± 2.5	PASS
		VN	20	1.3	0.000681	± 2.5	PASS
		VN	30	3.58	0.001875	± 2.5	PASS
		VN	40	-0.64	-0.000335	± 2.5	PASS
		VN	50	-1.7	-0.000890	± 2.5	PASS
		16QAM	LCH	VN	-30	2.69	0.001454
VN	-20			-0.63	-0.000340	± 2.5	PASS
VN	-10			4.36	0.002356	± 2.5	PASS
VN	0			2.39	0.001291	± 2.5	PASS
VN	10			1.63	0.000881	± 2.5	PASS
VN	20			4.91	0.002653	± 2.5	PASS
VN	30			2.33	0.001259	± 2.5	PASS
VN	40			0.37	0.000200	± 2.5	PASS
VN	50			-1.33	-0.000719	± 2.5	PASS
MCH	VN		-30	0.04	0.000021	± 2.5	PASS
	VN		-20	2.39	0.001271	± 2.5	PASS
	VN		-10	2.67	0.001420	± 2.5	PASS
	VN		0	-0.14	-0.000074	± 2.5	PASS
	VN		10	-1.48	-0.000787	± 2.5	PASS
	VN		20	1.06	0.000564	± 2.5	PASS
	VN		30	-0.91	-0.000484	± 2.5	PASS
	VN		40	0.15	0.000080	± 2.5	PASS
	VN		50	4.26	0.002266	± 2.5	PASS
HCH	VN		-30	0.69	0.000361	± 2.5	PASS
	VN		-20	-0.73	-0.000382	± 2.5	PASS
	VN		-10	3.24	0.001697	± 2.5	PASS
	VN		0	2.31	0.001210	± 2.5	PASS
	VN		10	-1.03	-0.000539	± 2.5	PASS
	VN		20	3.31	0.001734	± 2.5	PASS

		VN	30	-0.66	-0.000346	± 2.5	PASS
		VN	40	2.41	0.001262	± 2.5	PASS
		VN	50	4.37	0.002289	± 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	1.83	0.000988	± 2.5	PASS
		VN	TN	-0.21	-0.000113	± 2.5	PASS
		VH	TN	1.16	0.000627	± 2.5	PASS
	MCH	VL	TN	-0.38	-0.000202	± 2.5	PASS
		VN	TN	-1.27	-0.000676	± 2.5	PASS
		VH	TN	3.96	0.002106	± 2.5	PASS
	HCH	VL	TN	4.4	0.002305	± 2.5	PASS
		VN	TN	4.75	0.002489	± 2.5	PASS
		VH	TN	-1.15	-0.000603	± 2.5	PASS
16QAM	LCH	VL	TN	4.45	0.002403	± 2.5	PASS
		VN	TN	2.85	0.001539	± 2.5	PASS
		VH	TN	4.8	0.002592	± 2.5	PASS
	MCH	VL	TN	0.1	0.000053	± 2.5	PASS
		VN	TN	1.4	0.000745	± 2.5	PASS
		VH	TN	0.73	0.000388	± 2.5	PASS
	HCH	VL	TN	1.77	0.000927	± 2.5	PASS
		VN	TN	-1.15	-0.000603	± 2.5	PASS
		VH	TN	0.02	0.000010	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.03	-0.000556	± 2.5	PASS
		VN	-20	3.23	0.001745	± 2.5	PASS
		VN	-10	1.66	0.000897	± 2.5	PASS
		VN	0	-0.48	-0.000259	± 2.5	PASS
		VN	10	1.11	0.000600	± 2.5	PASS
		VN	20	-1.93	-0.001042	± 2.5	PASS
		VN	30	1.61	0.000870	± 2.5	PASS
		VN	40	4.59	0.002479	± 2.5	PASS
		VN	50	0.21	0.000113	± 2.5	PASS
	MCH	VN	-30	1.28	0.000681	± 2.5	PASS
		VN	-20	0.8	0.000426	± 2.5	PASS

		VN	-10	-0.37	-0.000197	± 2.5	PASS	
		VN	0	3.94	0.002096	± 2.5	PASS	
		VN	10	-0.31	-0.000165	± 2.5	PASS	
		VN	20	0.85	0.000452	± 2.5	PASS	
		VN	30	2.05	0.001090	± 2.5	PASS	
		VN	40	3.89	0.002069	± 2.5	PASS	
		VN	50	2.28	0.001213	± 2.5	PASS	
	HCH	VN	-30	-1.83	-0.000959	± 2.5	PASS	
		VN	-20	-1.19	-0.000624	± 2.5	PASS	
		VN	-10	0.94	0.000493	± 2.5	PASS	
		VN	0	1.87	0.000980	± 2.5	PASS	
		VN	10	1.99	0.001043	± 2.5	PASS	
		VN	20	0.9	0.000472	± 2.5	PASS	
		VN	30	4.52	0.002368	± 2.5	PASS	
	16QAM	LCH	VN	40	2.06	0.001079	± 2.5	PASS
			VN	50	0.1	0.000052	± 2.5	PASS
			VN	-30	3.98	0.002150	± 2.5	PASS
			VN	-20	0.36	0.000194	± 2.5	PASS
VN			-10	4.89	0.002641	± 2.5	PASS	
VN			0	0.95	0.000513	± 2.5	PASS	
VN			10	1.4	0.000756	± 2.5	PASS	
VN			20	1.78	0.000961	± 2.5	PASS	
VN			30	2.62	0.001415	± 2.5	PASS	
MCH		VN	40	2.36	0.001275	± 2.5	PASS	
		VN	50	-0.07	-0.000038	± 2.5	PASS	
		VN	-30	2.4	0.001277	± 2.5	PASS	
		VN	-20	-0.42	-0.000223	± 2.5	PASS	
		VN	-10	-1.21	-0.000644	± 2.5	PASS	
		VN	0	3.9	0.002074	± 2.5	PASS	
		VN	10	1.47	0.000782	± 2.5	PASS	
		VN	20	3.43	0.001824	± 2.5	PASS	
		VN	30	2.67	0.001420	± 2.5	PASS	
HCH	VN	40	-0.41	-0.000218	± 2.5	PASS		
	VN	50	1.21	0.000644	± 2.5	PASS		
	VN	-30	2.2	0.001153	± 2.5	PASS		
	VN	-20	-0.4	-0.000210	± 2.5	PASS		
	VN	-10	3.07	0.001609	± 2.5	PASS		
	VN	0	4.09	0.002143	± 2.5	PASS		
	VN	10	3.97	0.002080	± 2.5	PASS		
VN	20	2.13	0.001116	± 2.5	PASS			
VN	30	1.42	0.000744	± 2.5	PASS			

		VN	40	2.86	0.001499	± 2.5	PASS
		VN	50	-0.34	-0.000178	± 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	-0.57	-0.000308	± 2.5	PASS
		VN	TN	4.35	0.002348	± 2.5	PASS
		VH	TN	0.14	0.000076	± 2.5	PASS
	MCH	VL	TN	2.01	0.001069	± 2.5	PASS
		VN	TN	-1.91	-0.001016	± 2.5	PASS
		VH	TN	-0.93	-0.000495	± 2.5	PASS
	HCH	VL	TN	3.86	0.002024	± 2.5	PASS
		VN	TN	0.46	0.000241	± 2.5	PASS
		VH	TN	-0.42	-0.000220	± 2.5	PASS
16QAM	LCH	VL	TN	2.42	0.001306	± 2.5	PASS
		VN	TN	3.21	0.001733	± 2.5	PASS
		VH	TN	3.73	0.002013	± 2.5	PASS
	MCH	VL	TN	3.1	0.001649	± 2.5	PASS
		VN	TN	2.85	0.001516	± 2.5	PASS
		VH	TN	4.07	0.002165	± 2.5	PASS
	HCH	VL	TN	4.59	0.002406	± 2.5	PASS
		VN	TN	4.84	0.002537	± 2.5	PASS
		VH	TN	0.62	0.000325	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.66	0.002516	± 2.5	PASS
		VN	-20	1.14	0.000615	± 2.5	PASS
		VN	-10	2.96	0.001598	± 2.5	PASS
		VN	0	-1.33	-0.000718	± 2.5	PASS
		VN	10	0.36	0.000194	± 2.5	PASS
		VN	20	4.47	0.002413	± 2.5	PASS
		VN	30	-0.43	-0.000232	± 2.5	PASS
		VN	40	0.7	0.000378	± 2.5	PASS
		VN	50	-0.78	-0.000421	± 2.5	PASS
	MCH	VN	-30	2.38	0.001266	± 2.5	PASS
		VN	-20	-1.54	-0.000819	± 2.5	PASS
		VN	-10	-0.89	-0.000473	± 2.5	PASS

		VN	0	-1.72	-0.000915	± 2.5	PASS		
		VN	10	-0.72	-0.000383	± 2.5	PASS		
		VN	20	4.94	0.002628	± 2.5	PASS		
		VN	30	-1.74	-0.000926	± 2.5	PASS		
		VN	40	1.79	0.000952	± 2.5	PASS		
		VN	50	3.28	0.001745	± 2.5	PASS		
	HCH	VN	-30	1.09	0.000571	± 2.5	PASS		
		VN	-20	3.01	0.001578	± 2.5	PASS		
		VN	-10	0.96	0.000503	± 2.5	PASS		
		VN	0	3.06	0.001604	± 2.5	PASS		
		VN	10	-1.01	-0.000529	± 2.5	PASS		
		VN	20	4.03	0.002113	± 2.5	PASS		
		VN	30	2.01	0.001054	± 2.5	PASS		
		VN	40	-0.26	-0.000136	± 2.5	PASS		
		VN	50	4.38	0.002296	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.87	-0.001009	± 2.5	PASS
				VN	-20	1.18	0.000637	± 2.5	PASS
				VN	-10	-0.99	-0.000534	± 2.5	PASS
VN	0			4.65	0.002510	± 2.5	PASS		
VN	10			3.88	0.002094	± 2.5	PASS		
VN	20			2.14	0.001155	± 2.5	PASS		
VN	30			2.5	0.001350	± 2.5	PASS		
VN	40			2.74	0.001479	± 2.5	PASS		
VN	50			-1.14	-0.000615	± 2.5	PASS		
MCH	VN		-30	0.94	0.000500	± 2.5	PASS		
	VN		-20	3.08	0.001638	± 2.5	PASS		
	VN		-10	1.58	0.000840	± 2.5	PASS		
	VN		0	-0.97	-0.000516	± 2.5	PASS		
	VN		10	3.35	0.001782	± 2.5	PASS		
	VN		20	3.73	0.001984	± 2.5	PASS		
	VN		30	-1.34	-0.000713	± 2.5	PASS		
	VN		40	1.39	0.000739	± 2.5	PASS		
	VN		50	-1.67	-0.000888	± 2.5	PASS		
HCH	VN		-30	-1.38	-0.000723	± 2.5	PASS		
	VN		-20	-1.97	-0.001033	± 2.5	PASS		
	VN		-10	4.4	0.002307	± 2.5	PASS		
	VN		0	1.09	0.000571	± 2.5	PASS		
	VN		10	-0.3	-0.000157	± 2.5	PASS		
	VN		20	0.99	0.000519	± 2.5	PASS		
	VN		30	4.34	0.002275	± 2.5	PASS		
	VN		40	0.41	0.000215	± 2.5	PASS		

		VN	50	0.44	0.000231	± 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	-0.67	-0.000361	± 2.5	PASS
		VN	TN	0.21	0.000113	± 2.5	PASS
		VH	TN	-1.31	-0.000706	± 2.5	PASS
	MCH	VL	TN	2.51	0.001335	± 2.5	PASS
		VN	TN	3.16	0.001681	± 2.5	PASS
		VH	TN	4.99	0.002654	± 2.5	PASS
	HCH	VL	TN	4.58	0.002404	± 2.5	PASS
		VN	TN	2.18	0.001144	± 2.5	PASS
		VH	TN	-0.69	-0.000362	± 2.5	PASS
16QAM	LCH	VL	TN	3.78	0.002038	± 2.5	PASS
		VN	TN	-0.05	-0.000027	± 2.5	PASS
		VH	TN	0.31	0.000167	± 2.5	PASS
	MCH	VL	TN	-0.44	-0.000234	± 2.5	PASS
		VN	TN	3.57	0.001899	± 2.5	PASS
		VH	TN	-1.09	-0.000580	± 2.5	PASS
	HCH	VL	TN	0.49	0.000257	± 2.5	PASS
		VN	TN	-0.08	-0.000042	± 2.5	PASS
		VH	TN	1.1	0.000577	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.94	0.001046	± 2.5	PASS
		VN	-20	3.72	0.002008	± 2.5	PASS
		VN	-10	2.71	0.001463	± 2.5	PASS
		VN	0	2.16	0.001166	± 2.5	PASS
		VN	10	-1.3	-0.000702	± 2.5	PASS
		VN	20	-1.16	-0.000626	± 2.5	PASS
		VN	30	4.6	0.002483	± 2.5	PASS
		VN	40	-0.05	-0.000027	± 2.5	PASS
		VN	50	-0.56	-0.000302	± 2.5	PASS
	MCH	VN	-30	2.96	0.001574	± 2.5	PASS
		VN	-20	1.07	0.000569	± 2.5	PASS
		VN	-10	0.24	0.000128	± 2.5	PASS
		VN	0	1.86	0.000989	± 2.5	PASS

		VN	10	-0.07	-0.000037	± 2.5	PASS
		VN	20	1.3	0.000691	± 2.5	PASS
		VN	30	2.3	0.001223	± 2.5	PASS
		VN	40	3.02	0.001606	± 2.5	PASS
		VN	50	2.8	0.001489	± 2.5	PASS
	HCH	VN	-30	3.62	0.001898	± 2.5	PASS
		VN	-20	-1.75	-0.000917	± 2.5	PASS
		VN	-10	0.44	0.000231	± 2.5	PASS
		VN	0	3.94	0.002066	± 2.5	PASS
		VN	10	4.29	0.002249	± 2.5	PASS
		VN	20	-1.31	-0.000687	± 2.5	PASS
		VN	30	2.59	0.001358	± 2.5	PASS
		VN	40	3.09	0.001620	± 2.5	PASS
		VN	50	-0.74	-0.000388	± 2.5	PASS
		16QAM	LCH	VN	-30	0.98	0.000529
VN	-20			3.51	0.001895	± 2.5	PASS
VN	-10			3.58	0.001933	± 2.5	PASS
VN	0			-1.16	-0.000626	± 2.5	PASS
VN	10			-2	-0.001080	± 2.5	PASS
VN	20			-1.81	-0.000977	± 2.5	PASS
VN	30			1.24	0.000669	± 2.5	PASS
VN	40			0.6	0.000324	± 2.5	PASS
VN	50			-1.57	-0.000848	± 2.5	PASS
MCH	VN		-30	-0.75	-0.000399	± 2.5	PASS
	VN		-20	4.78	0.002543	± 2.5	PASS
	VN		-10	3.36	0.001787	± 2.5	PASS
	VN		0	4.14	0.002202	± 2.5	PASS
	VN		10	3.66	0.001947	± 2.5	PASS
	VN		20	-0.43	-0.000229	± 2.5	PASS
	VN		30	-0.03	-0.000016	± 2.5	PASS
	VN		40	-0.43	-0.000229	± 2.5	PASS
	VN		50	3.09	0.001644	± 2.5	PASS
HCH	VN		-30	-1.78	-0.000933	± 2.5	PASS
	VN		-20	3.44	0.001803	± 2.5	PASS
	VN		-10	2.3	0.001206	± 2.5	PASS
	VN		0	3.72	0.001950	± 2.5	PASS
	VN		10	0.04	0.000021	± 2.5	PASS
	VN		20	1.13	0.000592	± 2.5	PASS
	VN		30	2.11	0.001106	± 2.5	PASS
	VN		40	-1.7	-0.000891	± 2.5	PASS
	VN		50	4.32	0.002265	± 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	-0.16	-0.000086	± 2.5	PASS
		VN	TN	0.29	0.000156	± 2.5	PASS
		VH	TN	0.98	0.000528	± 2.5	PASS
	MCH	VL	TN	1.93	0.001027	± 2.5	PASS
		VN	TN	2.96	0.001574	± 2.5	PASS
		VH	TN	-1.68	-0.000894	± 2.5	PASS
	HCH	VL	TN	-1.43	-0.000751	± 2.5	PASS
		VN	TN	-0.45	-0.000236	± 2.5	PASS
		VH	TN	2.99	0.001570	± 2.5	PASS
16QAM	LCH	VL	TN	-0.93	-0.000501	± 2.5	PASS
		VN	TN	4.01	0.002162	± 2.5	PASS
		VH	TN	2.35	0.001267	± 2.5	PASS
	MCH	VL	TN	3.98	0.002117	± 2.5	PASS
		VN	TN	3.63	0.001931	± 2.5	PASS
		VH	TN	1.15	0.000612	± 2.5	PASS
	HCH	VL	TN	-1.84	-0.000966	± 2.5	PASS
		VN	TN	3.01	0.001580	± 2.5	PASS
		VH	TN	2.49	0.001307	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.49	0.000802	± 2.5	PASS
		VN	-20	4.85	0.002611	± 2.5	PASS
		VN	-10	0.76	0.000409	± 2.5	PASS
		VN	0	2.7	0.001454	± 2.5	PASS
		VN	10	4.71	0.002536	± 2.5	PASS
		VN	20	-1.17	-0.000630	± 2.5	PASS
		VN	30	1.54	0.000829	± 2.5	PASS
		VN	40	0.39	0.000210	± 2.5	PASS
		VN	50	4.44	0.002390	± 2.5	PASS
	MCH	VN	-30	4.12	0.002191	± 2.5	PASS
		VN	-20	4.49	0.002388	± 2.5	PASS
		VN	-10	0.94	0.000500	± 2.5	PASS
		VN	0	0.45	0.000239	± 2.5	PASS
		VN	10	4.08	0.002170	± 2.5	PASS
		VN	20	-1.44	-0.000766	± 2.5	PASS

		VN	30	-1.98	-0.001053	± 2.5	PASS
		VN	40	-1.99	-0.001059	± 2.5	PASS
		VN	50	-0.85	-0.000452	± 2.5	PASS
	HCH	VN	-30	-1.38	-0.000725	± 2.5	PASS
		VN	-20	2.49	0.001309	± 2.5	PASS
		VN	-10	4.89	0.002570	± 2.5	PASS
		VN	0	4.57	0.002402	± 2.5	PASS
		VN	10	4.59	0.002413	± 2.5	PASS
		VN	20	0.94	0.000494	± 2.5	PASS
		VN	30	0.69	0.000363	± 2.5	PASS
		VN	40	-0.65	-0.000342	± 2.5	PASS
		VN	50	1.4	0.000736	± 2.5	PASS
16QAM	LCH	VN	-30	2.27	0.001222	± 2.5	PASS
		VN	-20	2.48	0.001335	± 2.5	PASS
		VN	-10	3.56	0.001917	± 2.5	PASS
		VN	0	4.79	0.002579	± 2.5	PASS
		VN	10	2.9	0.001561	± 2.5	PASS
		VN	20	-0.29	-0.000156	± 2.5	PASS
		VN	30	0.12	0.000065	± 2.5	PASS
		VN	40	3.33	0.001793	± 2.5	PASS
		VN	50	1.23	0.000662	± 2.5	PASS
	MCH	VN	-30	4.77	0.002537	± 2.5	PASS
		VN	-20	4.32	0.002298	± 2.5	PASS
		VN	-10	4.1	0.002181	± 2.5	PASS
		VN	0	3.87	0.002059	± 2.5	PASS
		VN	10	4.16	0.002213	± 2.5	PASS
		VN	20	-0.08	-0.000043	± 2.5	PASS
		VN	30	2.36	0.001255	± 2.5	PASS
		VN	40	-1.8	-0.000957	± 2.5	PASS
		VN	50	2.17	0.001154	± 2.5	PASS
	HCH	VN	-30	1.48	0.000778	± 2.5	PASS
		VN	-20	-0.93	-0.000489	± 2.5	PASS
		VN	-10	3.55	0.001866	± 2.5	PASS
		VN	0	3.76	0.001976	± 2.5	PASS
		VN	10	1.46	0.000767	± 2.5	PASS
		VN	20	-0.09	-0.000047	± 2.5	PASS
		VN	30	-0.9	-0.000473	± 2.5	PASS
		VN	40	-1.47	-0.000773	± 2.5	PASS
		VN	50	4.14	0.002176	± 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	0.43	0.000231	± 2.5	PASS
		VN	TN	4.34	0.002333	± 2.5	PASS
		VH	TN	1.34	0.000720	± 2.5	PASS
	MCH	VL	TN	3.43	0.001824	± 2.5	PASS
		VN	TN	-0.23	-0.000122	± 2.5	PASS
		VH	TN	0.32	0.000170	± 2.5	PASS
	HCH	VL	TN	-1.15	-0.000605	± 2.5	PASS
		VN	TN	0.37	0.000195	± 2.5	PASS
		VH	TN	1.09	0.000574	± 2.5	PASS
16QAM	LCH	VL	TN	4.86	0.002613	± 2.5	PASS
		VN	TN	-0.52	-0.000280	± 2.5	PASS
		VH	TN	-0.31	-0.000167	± 2.5	PASS
	MCH	VL	TN	3.83	0.002037	± 2.5	PASS
		VN	TN	0.51	0.000271	± 2.5	PASS
		VH	TN	4.59	0.002441	± 2.5	PASS
	HCH	VL	TN	4.17	0.002195	± 2.5	PASS
		VN	TN	4.99	0.002626	± 2.5	PASS
		VH	TN	-0.18	-0.000095	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.37	0.000737	± 2.5	PASS
		VN	-20	3.35	0.001801	± 2.5	PASS
		VN	-10	3.74	0.002011	± 2.5	PASS
		VN	0	0.39	0.000210	± 2.5	PASS
		VN	10	1.53	0.000823	± 2.5	PASS
		VN	20	-1.27	-0.000683	± 2.5	PASS
		VN	30	0.9	0.000484	± 2.5	PASS
		VN	40	3.95	0.002124	± 2.5	PASS
		VN	50	3.18	0.001710	± 2.5	PASS
	MCH	VN	-30	0.94	0.000500	± 2.5	PASS
		VN	-20	0.06	0.000032	± 2.5	PASS
		VN	-10	2.2	0.001170	± 2.5	PASS
		VN	0	3.82	0.002032	± 2.5	PASS
		VN	10	0.08	0.000043	± 2.5	PASS
		VN	20	-0.37	-0.000197	± 2.5	PASS

		VN	30	2.86	0.001521	± 2.5	PASS
		VN	40	0.89	0.000473	± 2.5	PASS
		VN	50	-1.57	-0.000835	± 2.5	PASS
	HCH	VN	-30	3.12	0.001642	± 2.5	PASS
		VN	-20	1.87	0.000984	± 2.5	PASS
		VN	-10	0.11	0.000058	± 2.5	PASS
		VN	0	2.31	0.001216	± 2.5	PASS
		VN	10	-1.15	-0.000605	± 2.5	PASS
		VN	20	4.58	0.002411	± 2.5	PASS
		VN	30	0.37	0.000195	± 2.5	PASS
		VN	40	3.68	0.001937	± 2.5	PASS
		VN	50	3.18	0.001674	± 2.5	PASS
16QAM	LCH	VN	-30	4.8	0.002581	± 2.5	PASS
		VN	-20	-1.03	-0.000554	± 2.5	PASS
		VN	-10	3.93	0.002113	± 2.5	PASS
		VN	0	-1.69	-0.000909	± 2.5	PASS
		VN	10	-1.38	-0.000742	± 2.5	PASS
		VN	20	2.41	0.001296	± 2.5	PASS
		VN	30	-0.24	-0.000129	± 2.5	PASS
		VN	40	-0.63	-0.000339	± 2.5	PASS
	MCH	VN	50	4.19	0.002253	± 2.5	PASS
		VN	-30	0.94	0.000500	± 2.5	PASS
		VN	-20	2.72	0.001447	± 2.5	PASS
		VN	-10	4.45	0.002367	± 2.5	PASS
		VN	0	-1.81	-0.000963	± 2.5	PASS
		VN	10	-1.01	-0.000537	± 2.5	PASS
		VN	20	-0.71	-0.000378	± 2.5	PASS
		VN	30	4.32	0.002298	± 2.5	PASS
		VN	40	-0.21	-0.000112	± 2.5	PASS
	HCH	VN	50	3.88	0.002064	± 2.5	PASS
		VN	-30	-0.06	-0.000032	± 2.5	PASS
		VN	-20	3.63	0.001911	± 2.5	PASS
		VN	-10	2.02	0.001063	± 2.5	PASS
		VN	0	0.85	0.000447	± 2.5	PASS
		VN	10	3.01	0.001584	± 2.5	PASS
		VN	20	2.27	0.001195	± 2.5	PASS
VN		30	3.96	0.002084	± 2.5	PASS	
VN	40	-1.68	-0.000884	± 2.5	PASS		
VN	50	1.12	0.000589	± 2.5	PASS		