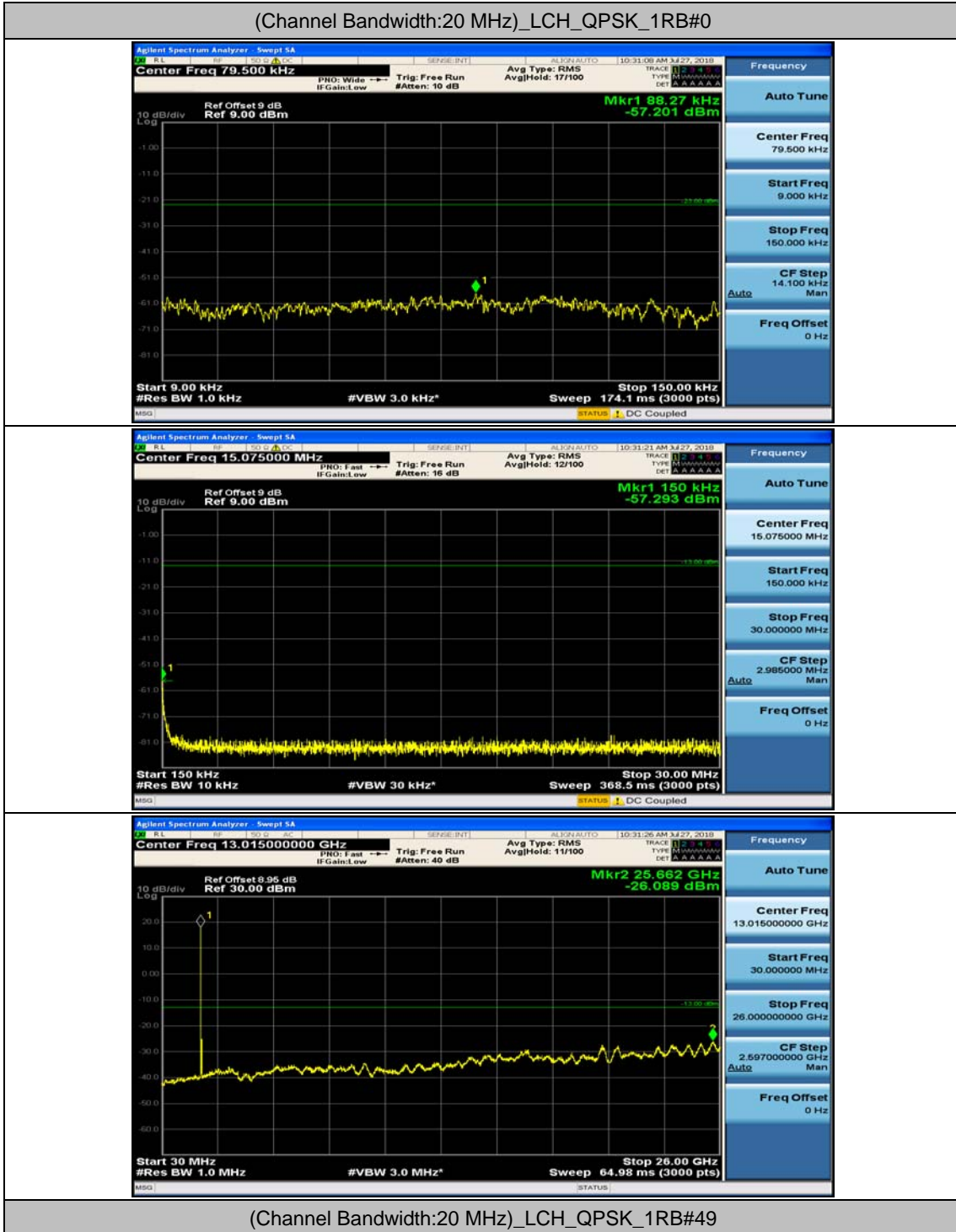
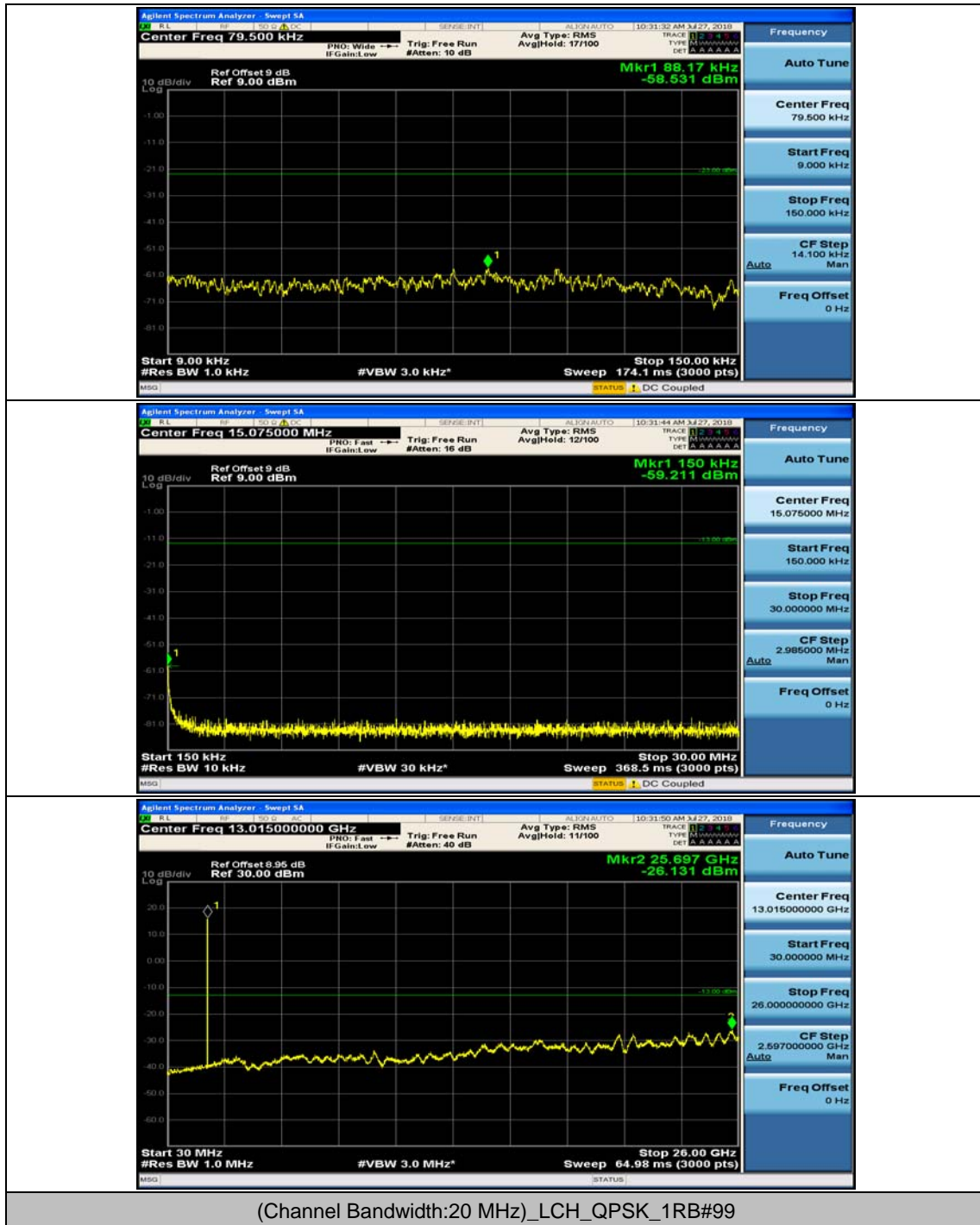
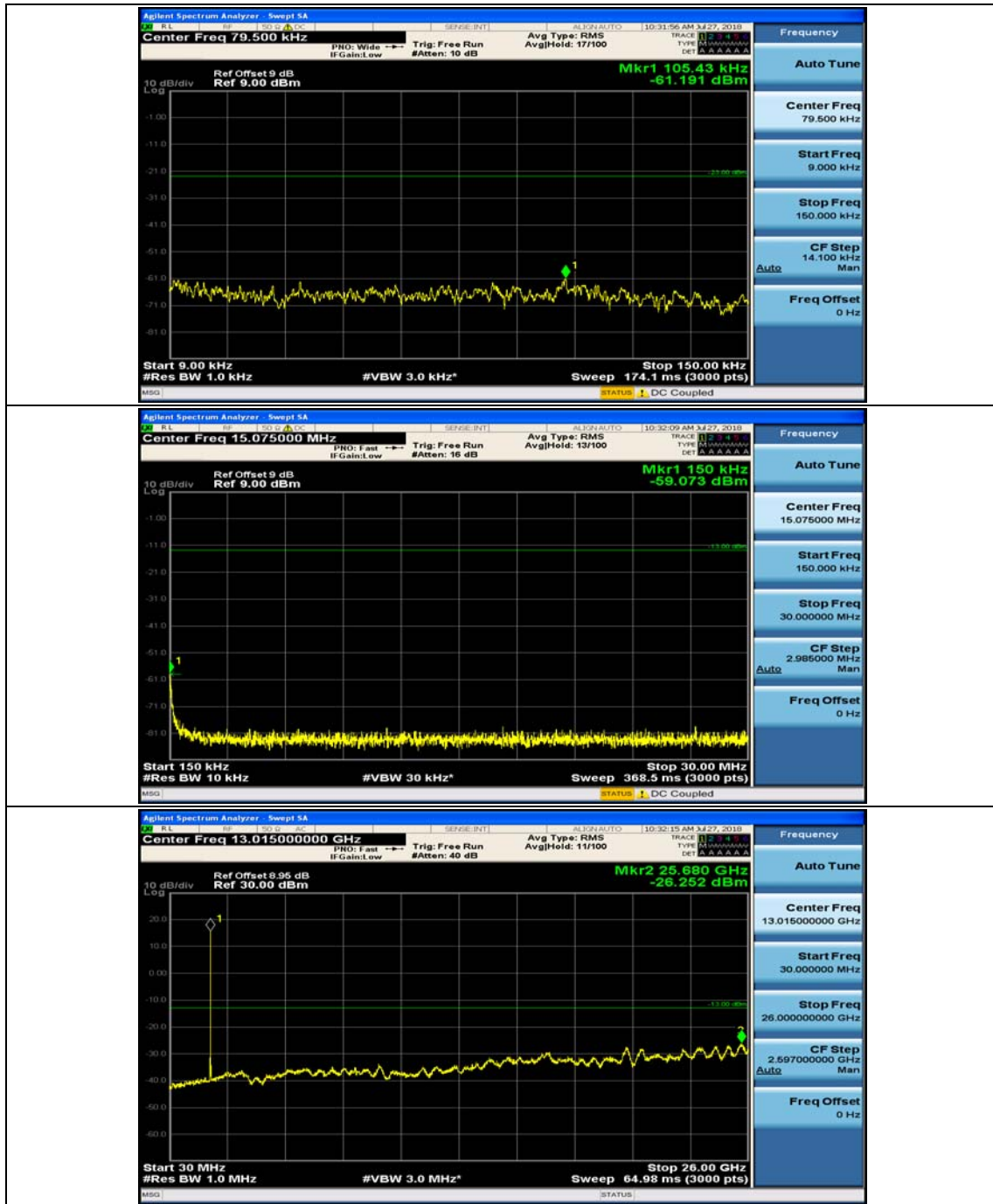


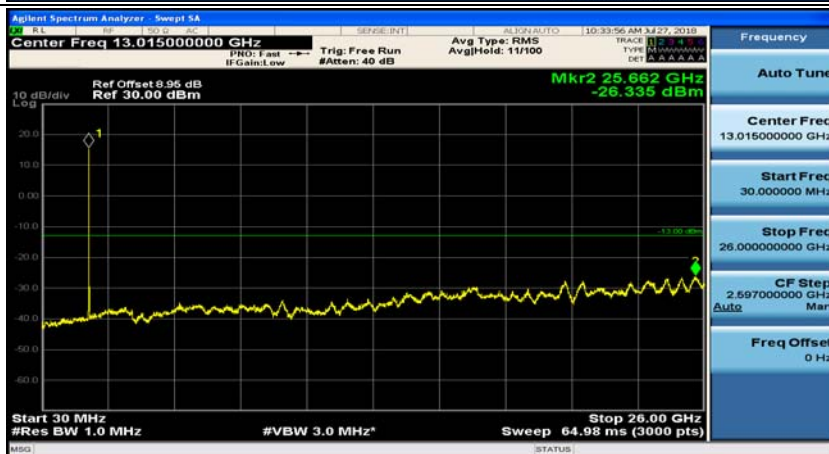
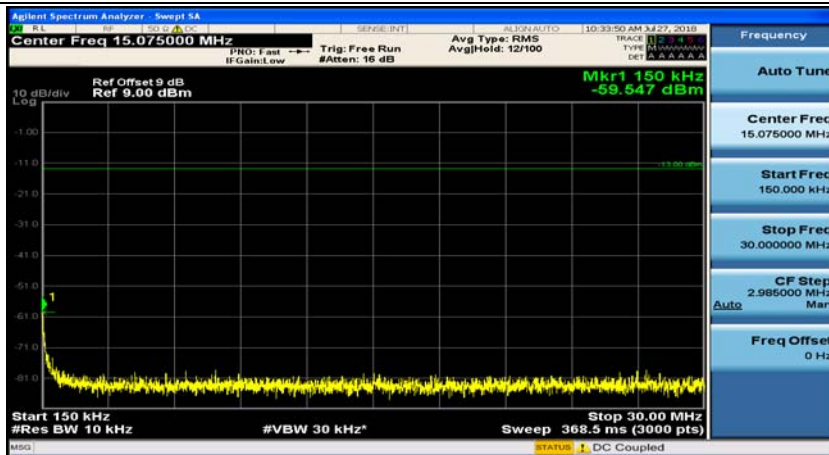
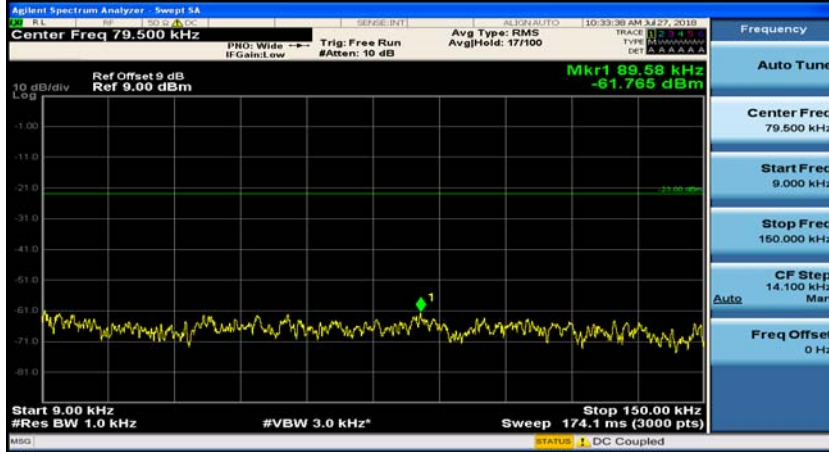
Channel Bandwidth: 20 MHz



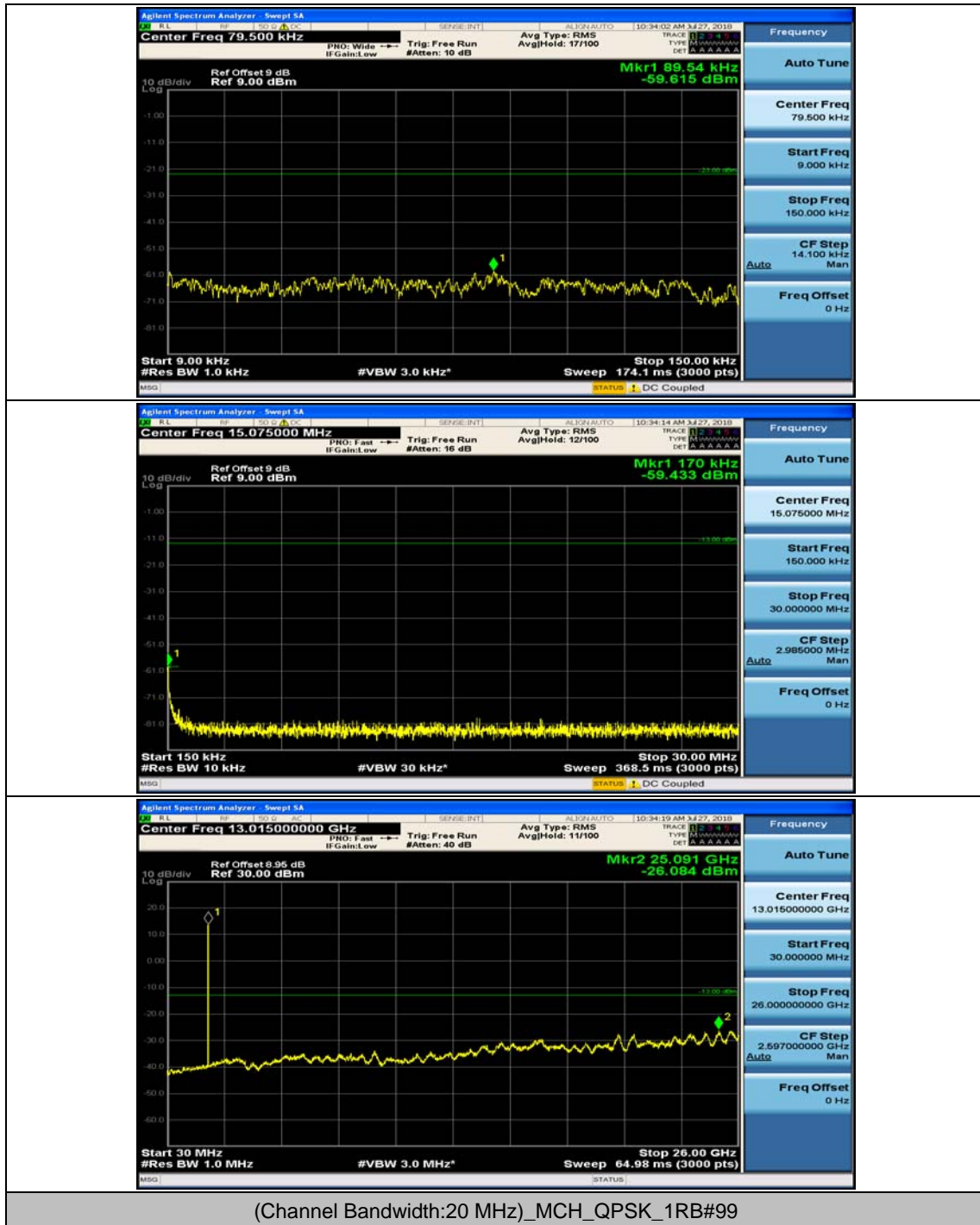


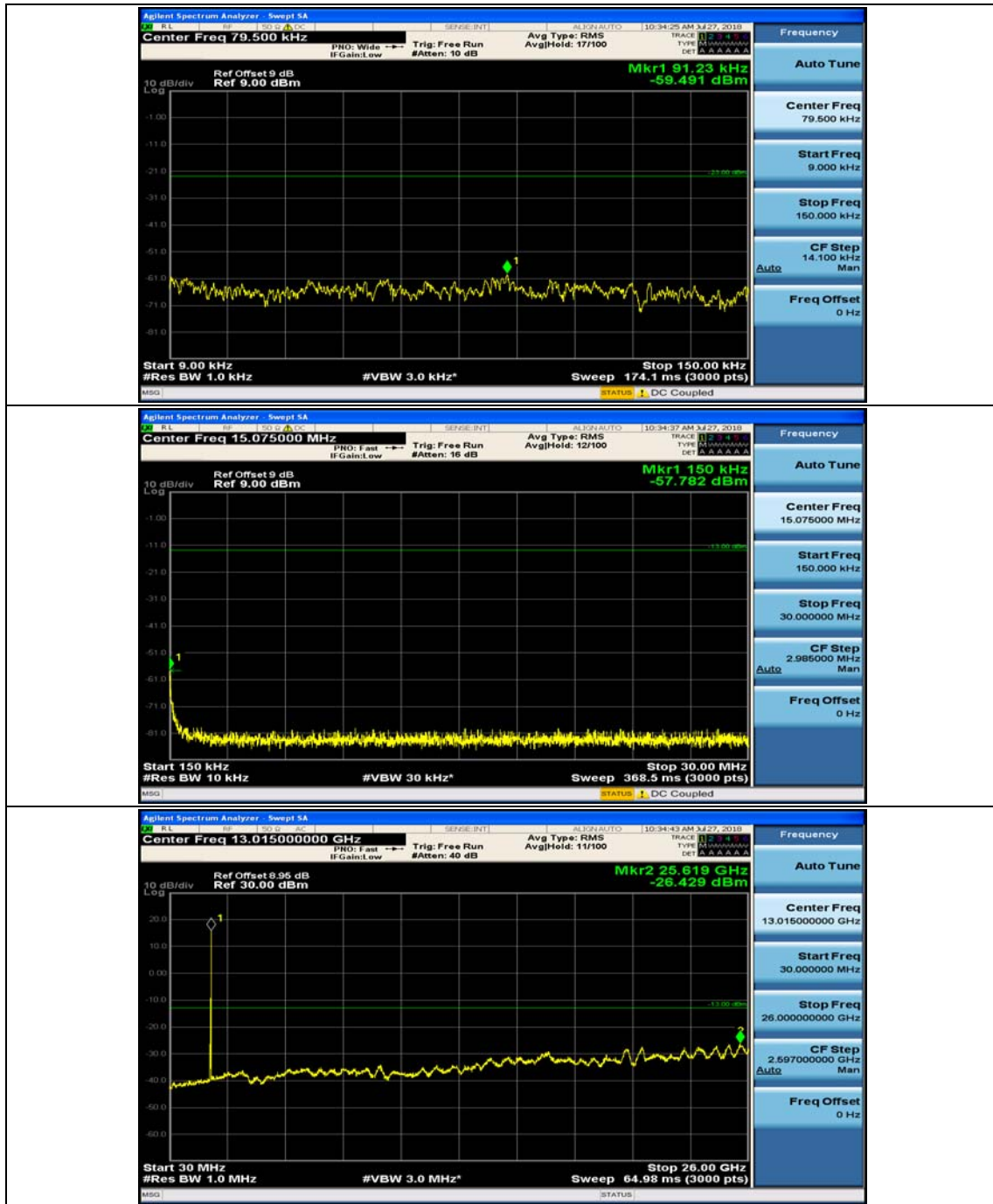


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

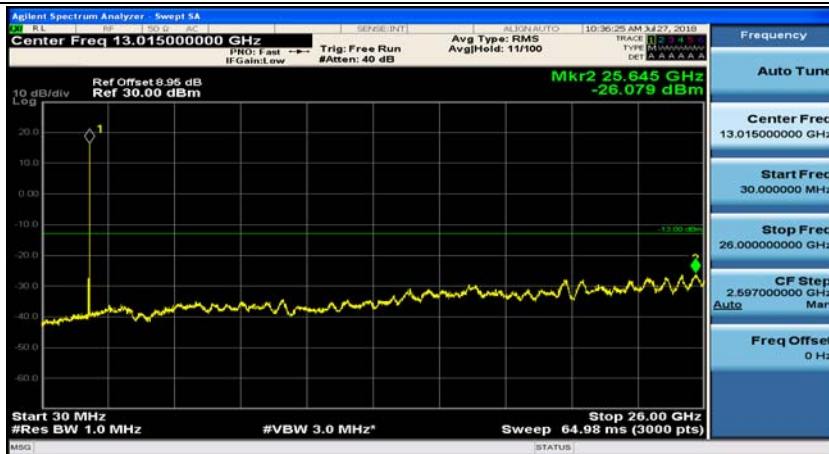
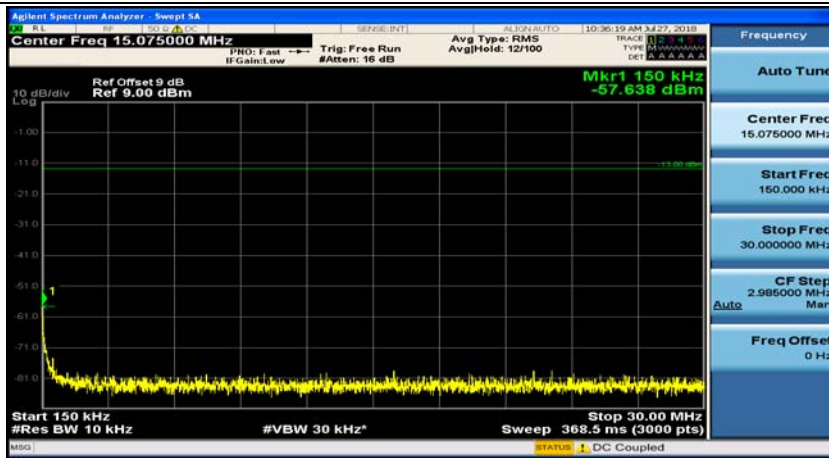
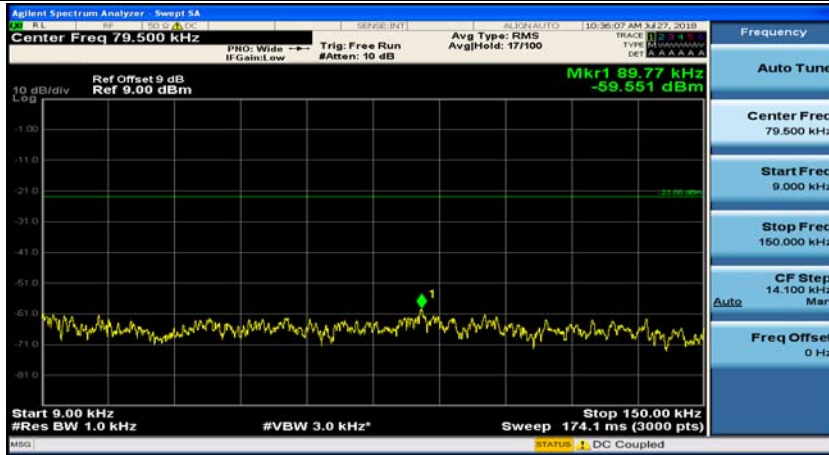


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

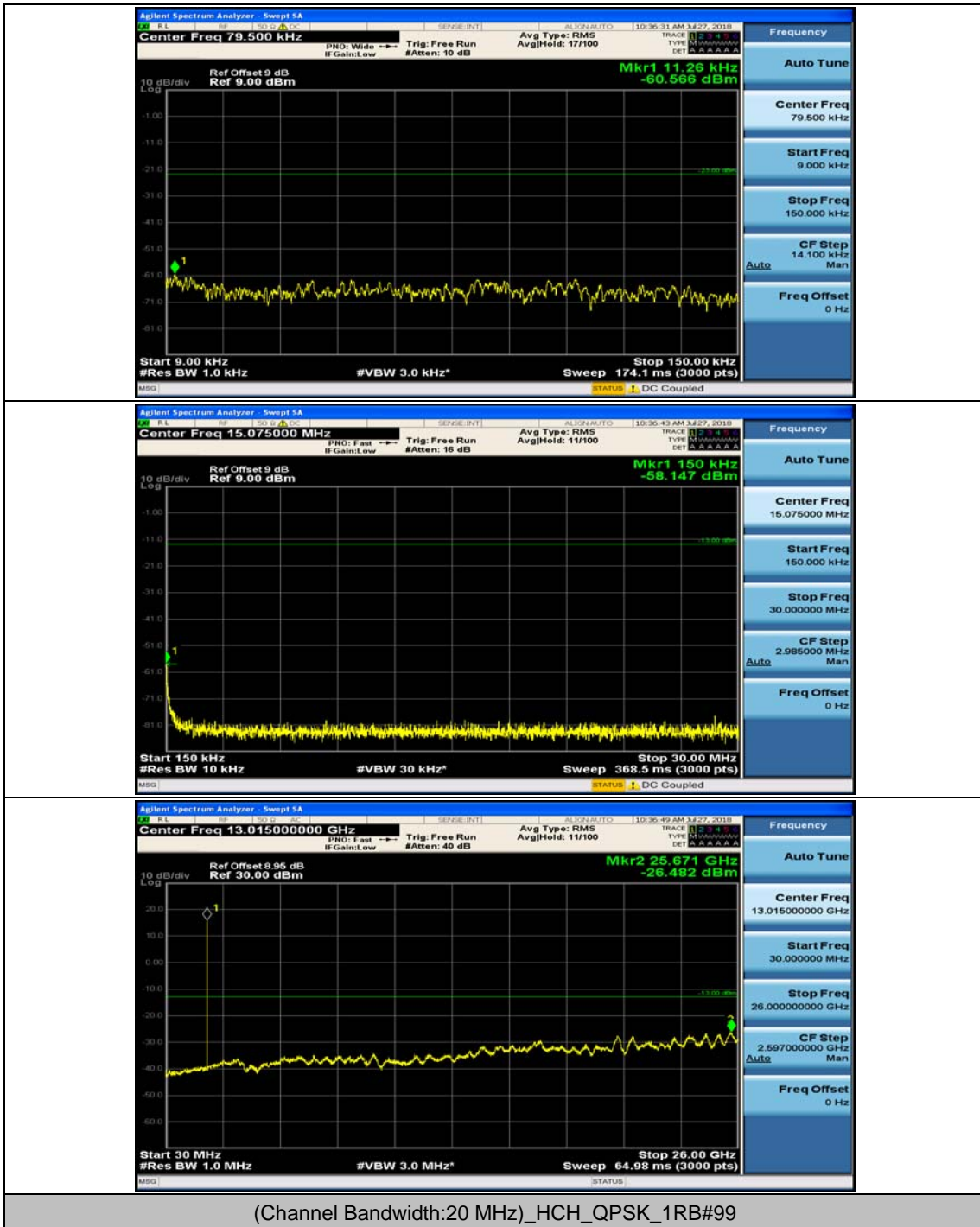


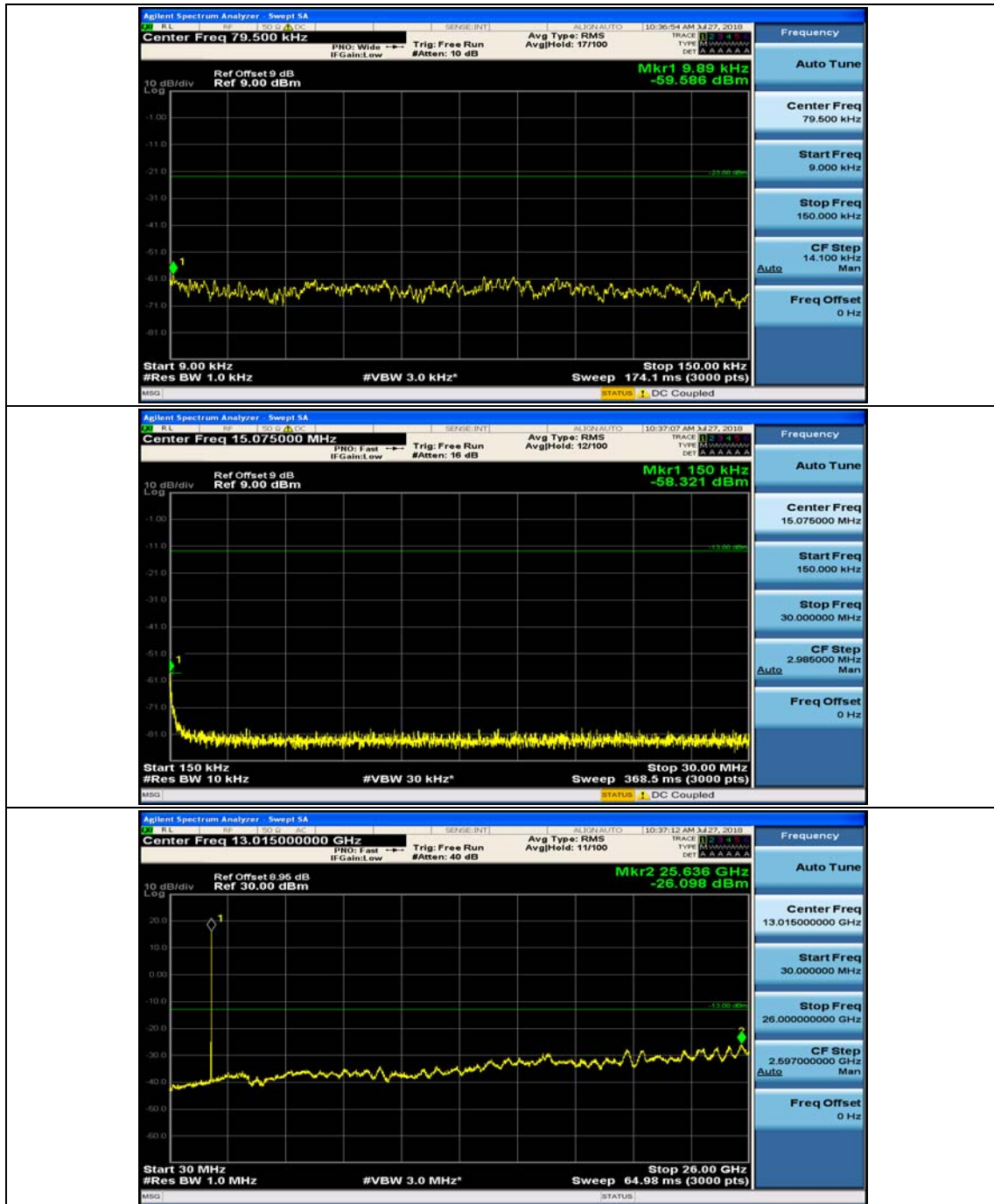


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

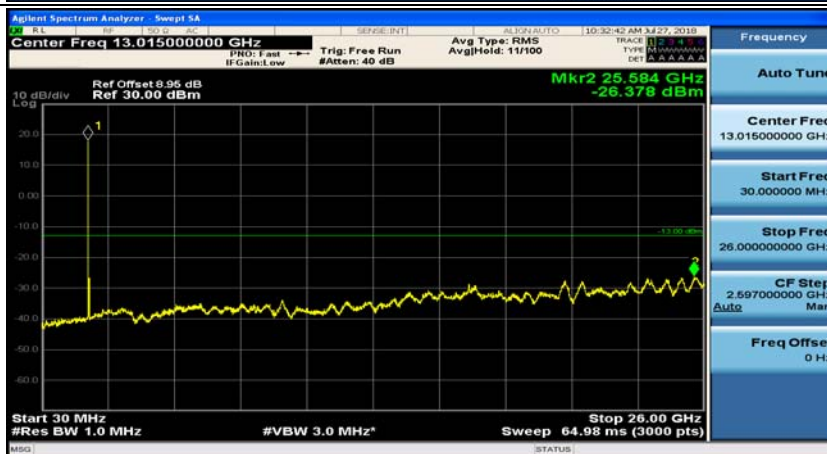
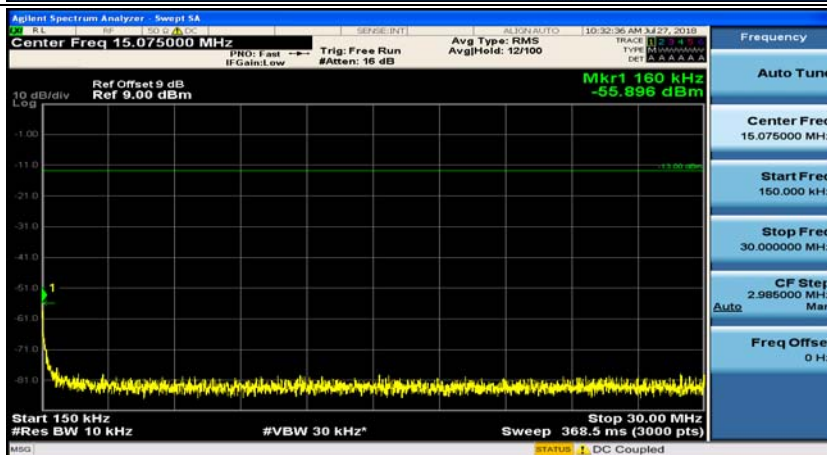


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

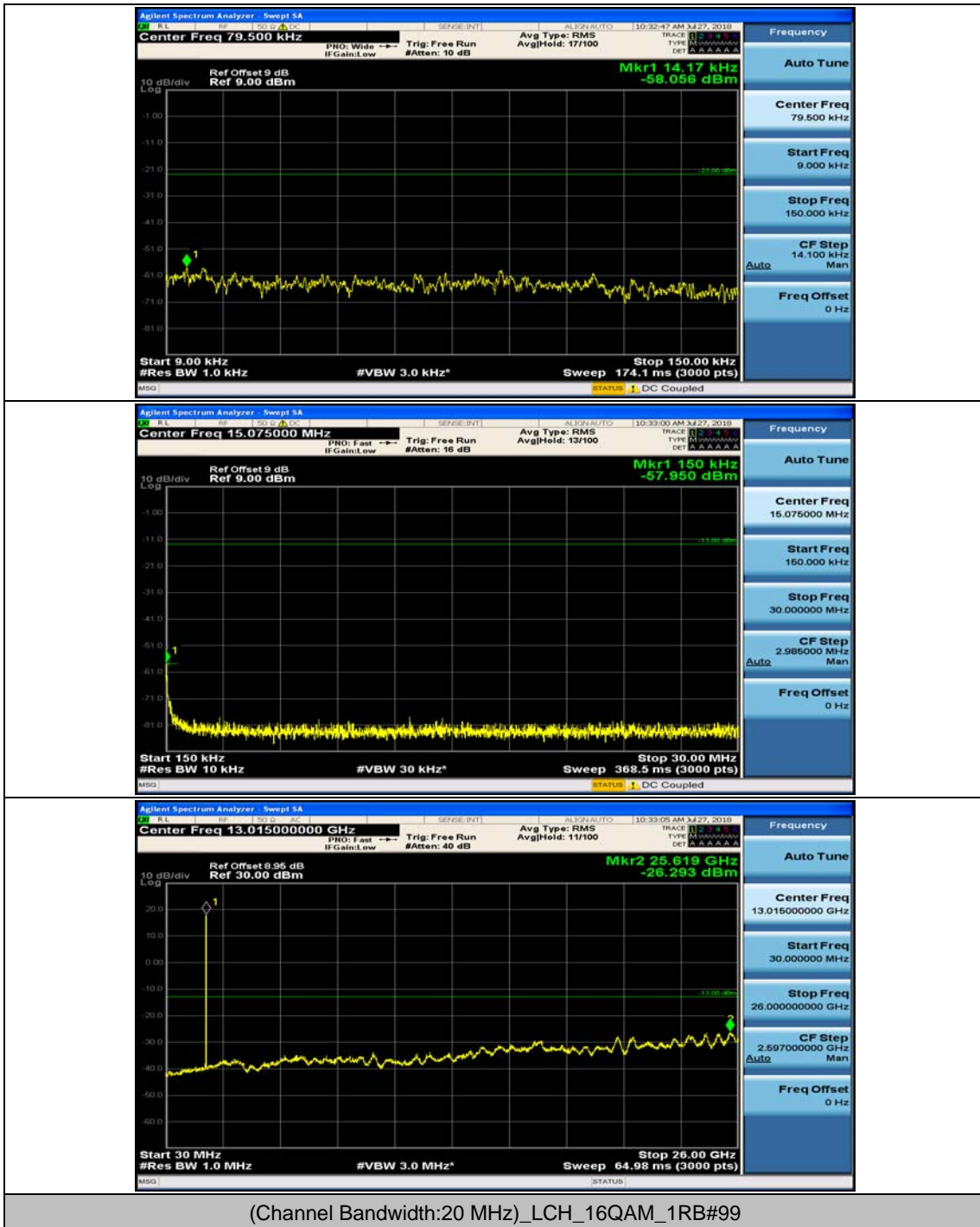


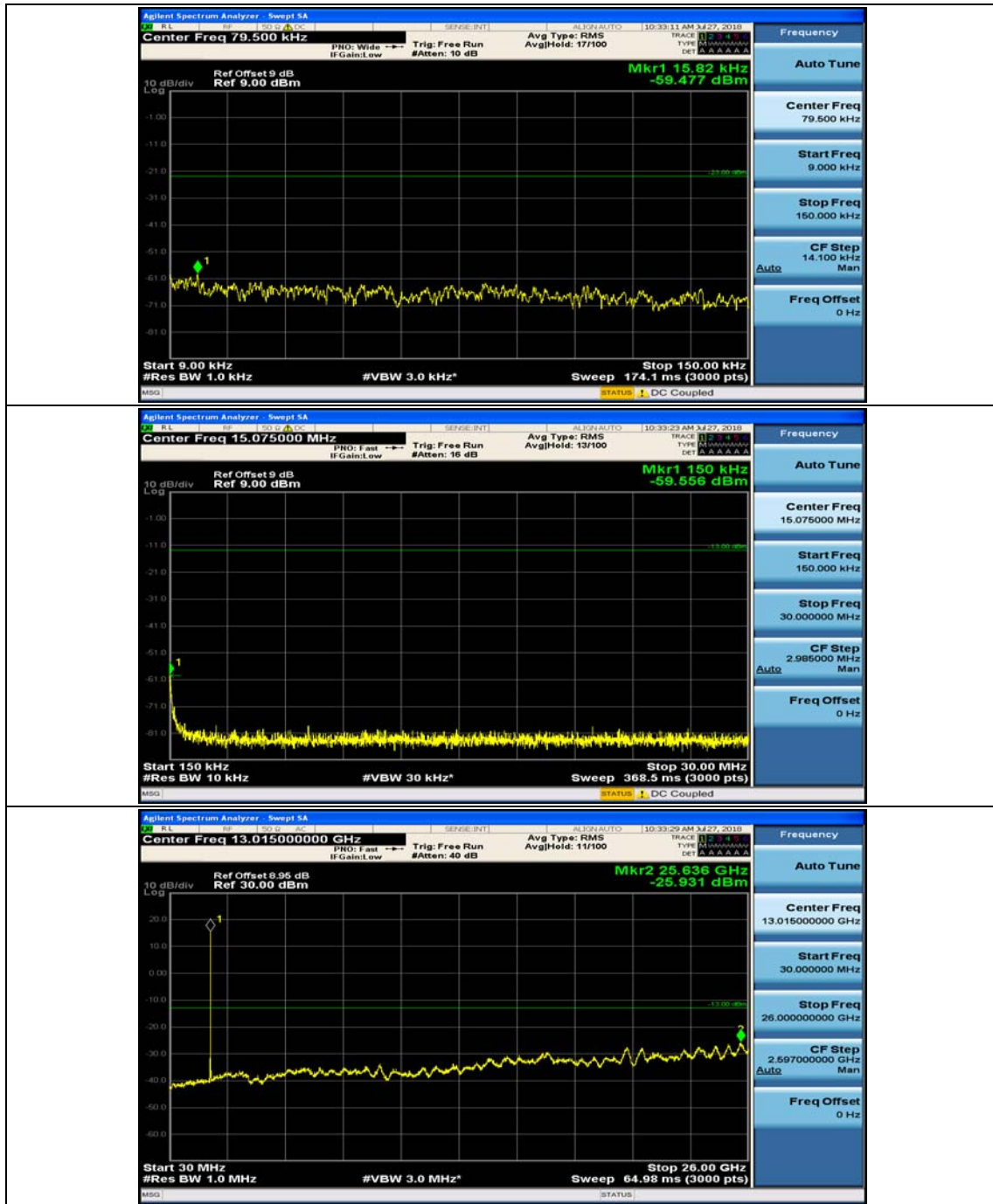


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

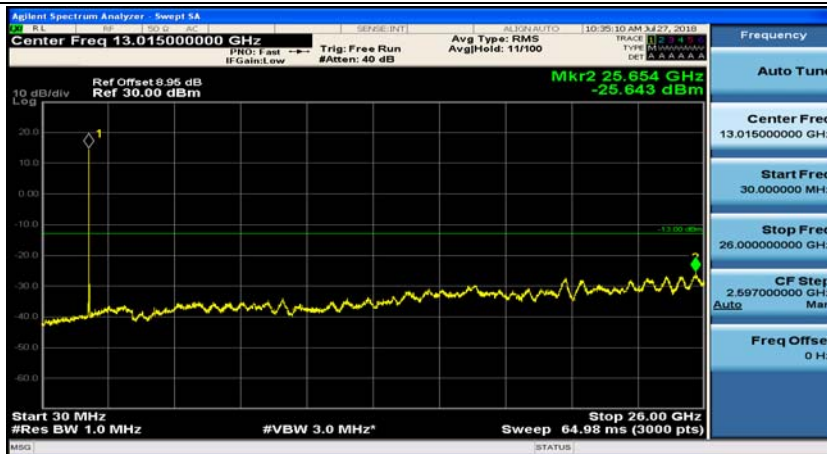
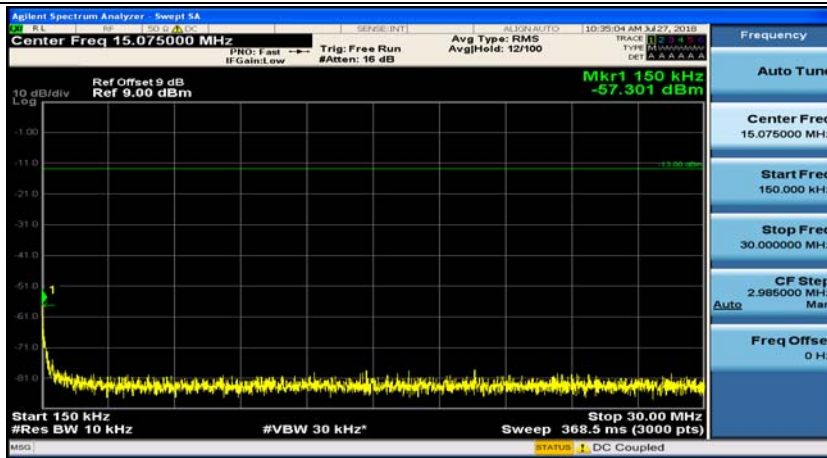
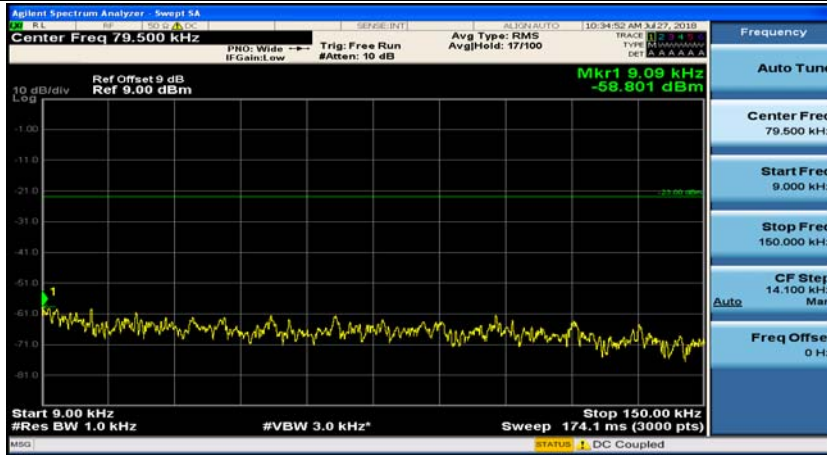


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

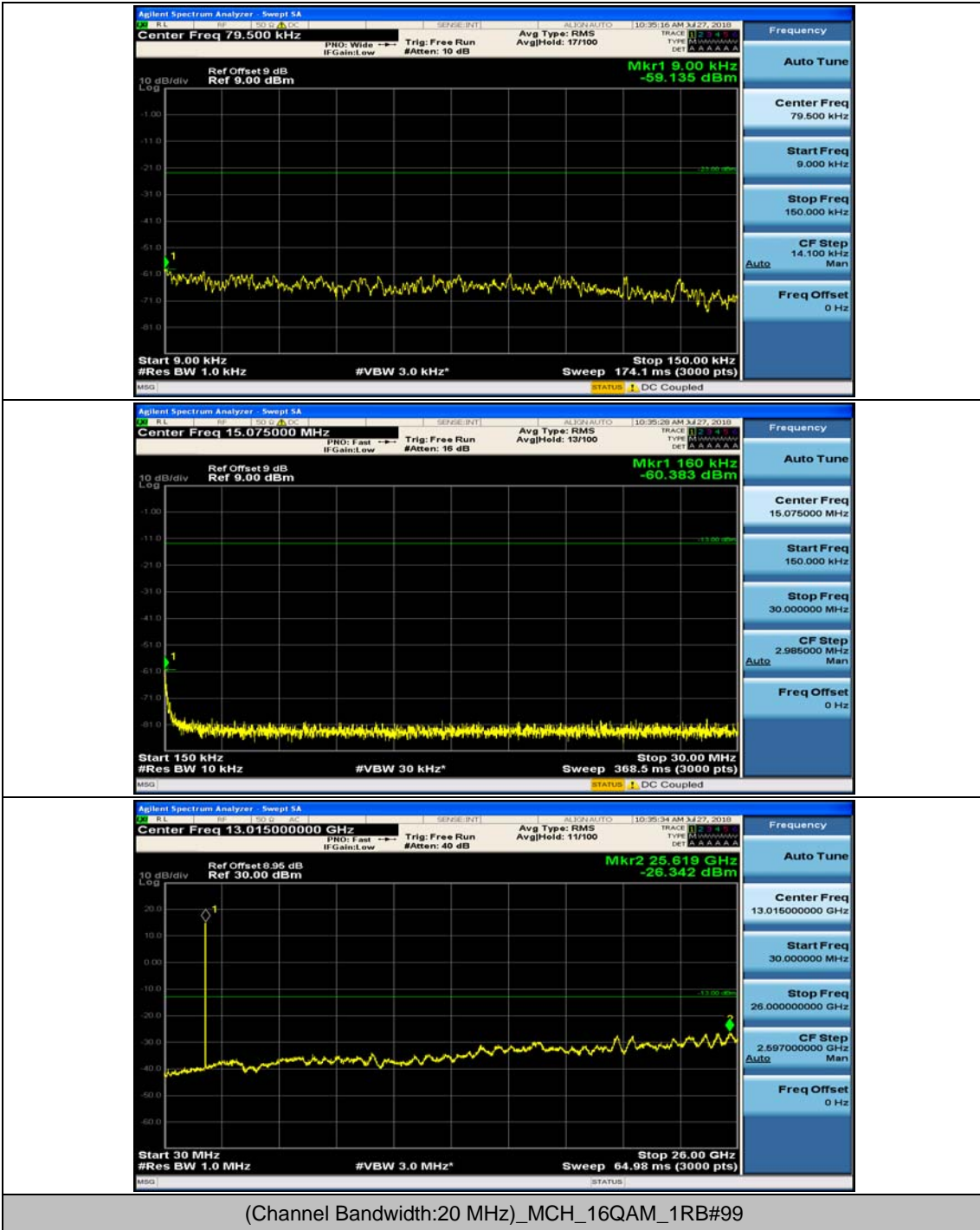


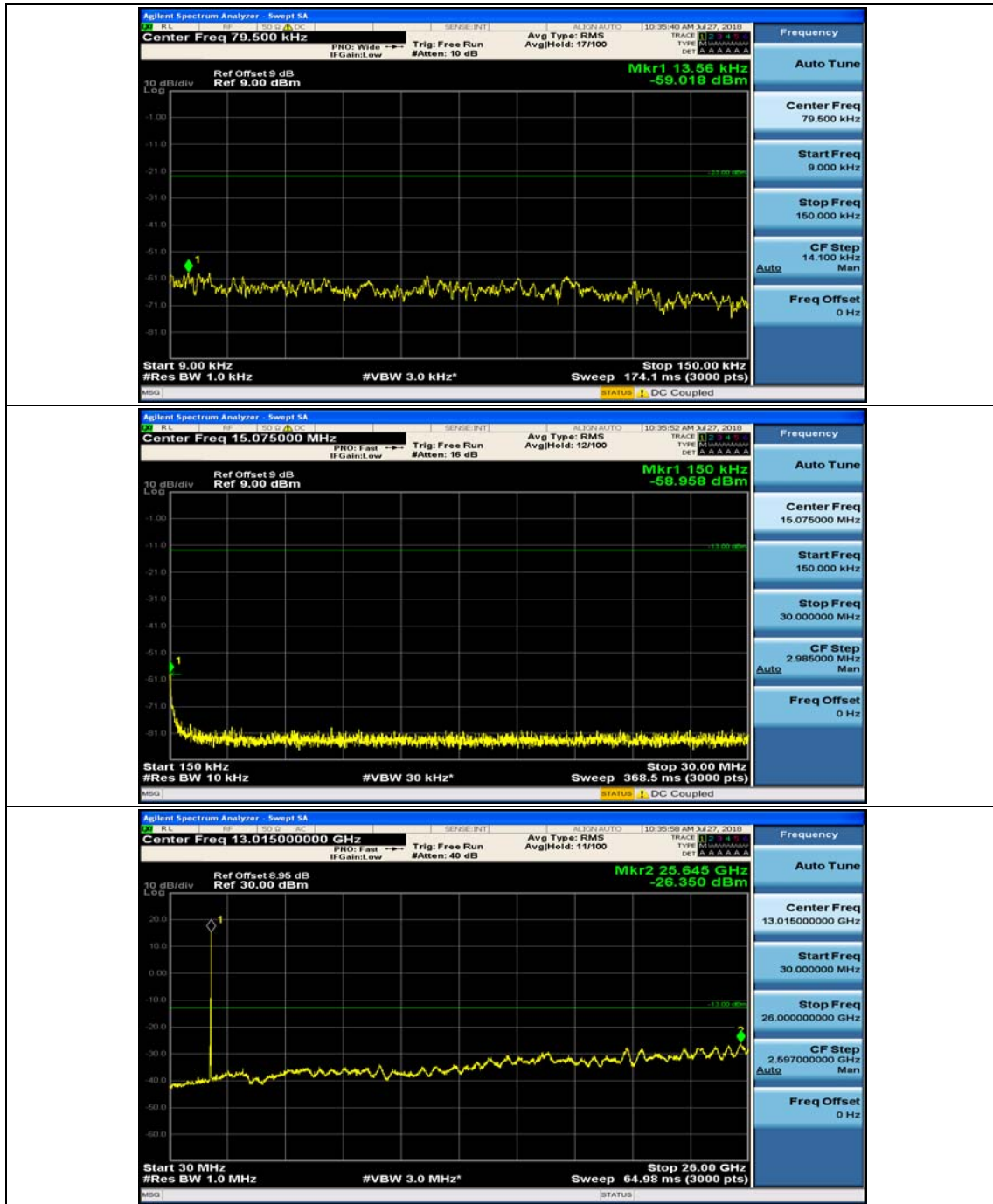


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

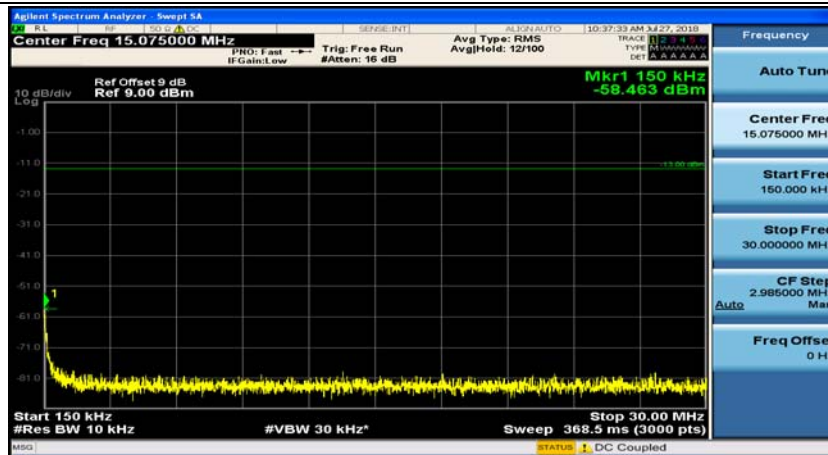
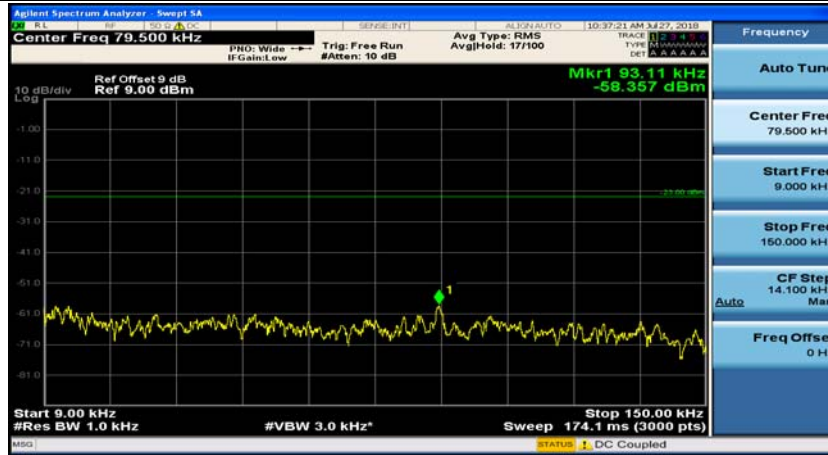


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

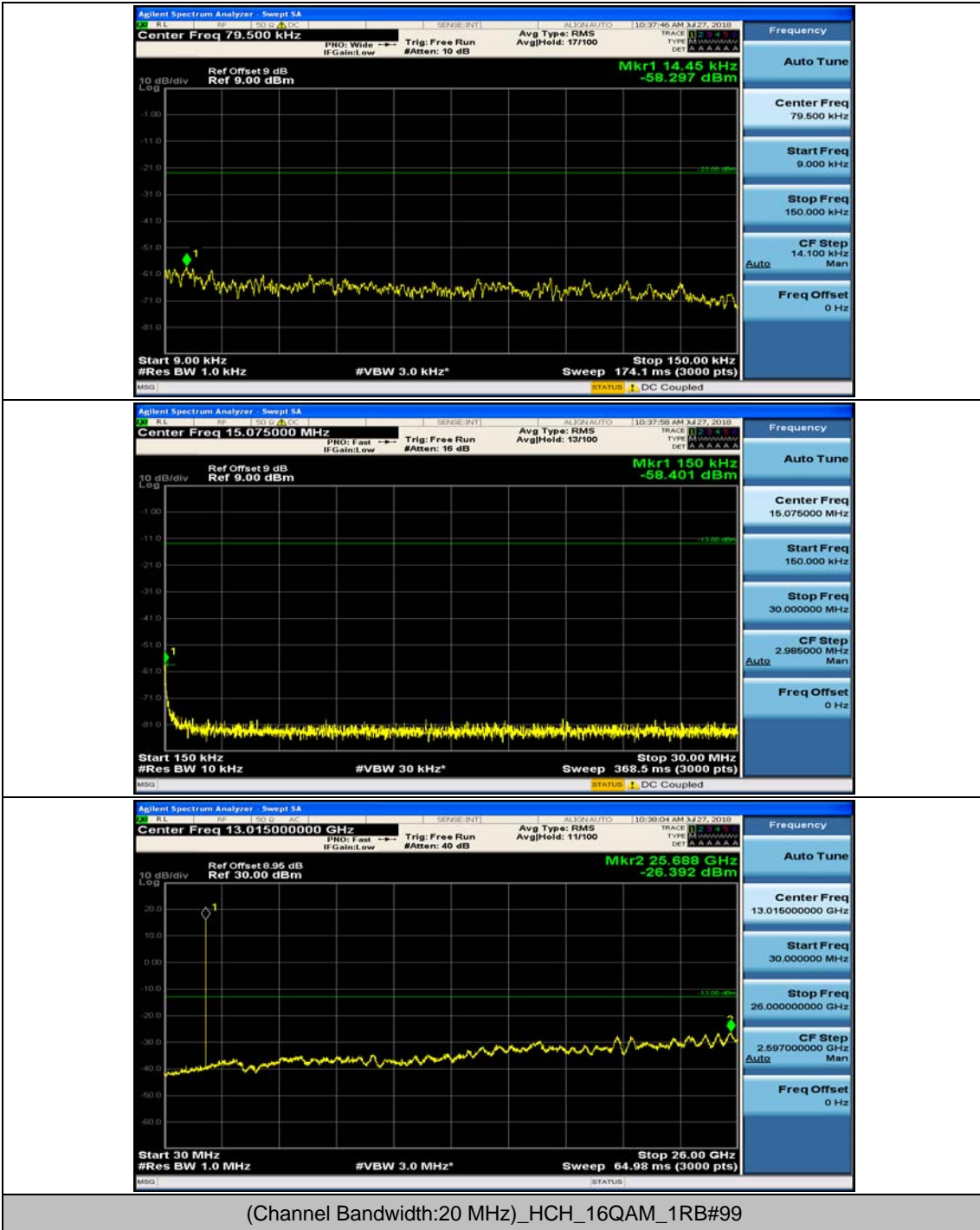


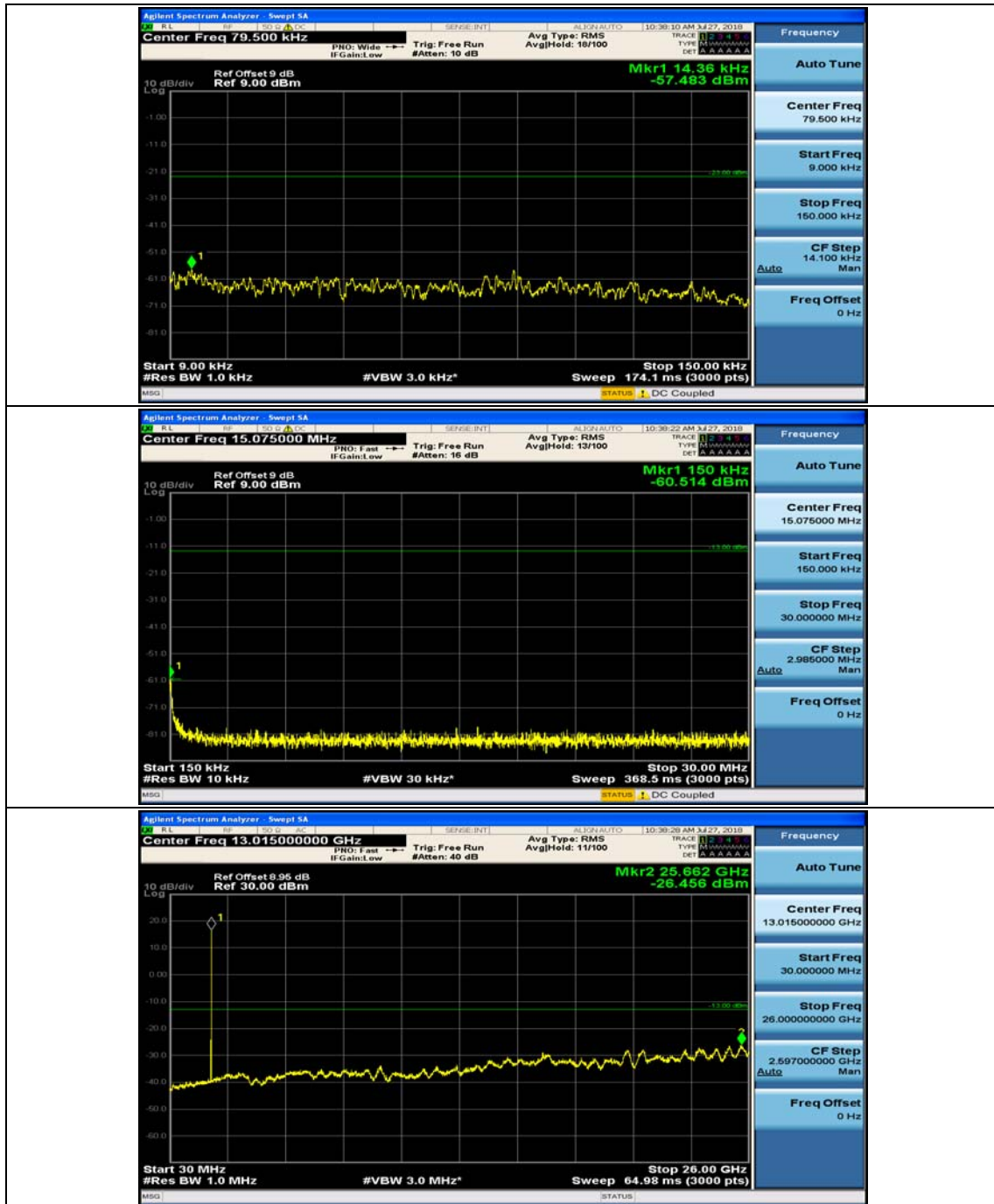


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	3.94	0.002129	± 2.5	PASS
		VN	TN	4.49	0.002426	± 2.5	PASS
		VH	TN	0.03	0.000016	± 2.5	PASS
	MCH	VL	TN	-0.21	-0.000112	± 2.5	PASS
		VN	TN	-0.06	-0.000032	± 2.5	PASS
		VH	TN	4.57	0.002431	± 2.5	PASS
	HCH	VL	TN	4.12	0.002158	± 2.5	PASS
		VN	TN	2.81	0.001472	± 2.5	PASS
		VH	TN	0.61	0.000319	± 2.5	PASS
16QAM	LCH	VL	TN	2.54	0.001372	± 2.5	PASS
		VN	TN	-1.74	-0.000940	± 2.5	PASS
		VH	TN	2.76	0.001491	± 2.5	PASS
	MCH	VL	TN	-1.52	-0.000809	± 2.5	PASS
		VN	TN	4.32	0.002298	± 2.5	PASS
		VH	TN	4.11	0.002186	± 2.5	PASS
	HCH	VL	TN	2.93	0.001535	± 2.5	PASS
		VN	TN	3.44	0.001802	± 2.5	PASS
		VH	TN	3.75	0.001964	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.19	0.000103	± 2.5	PASS
		VN	-20	0.15	0.000081	± 2.5	PASS
		VN	-10	4.92	0.002658	± 2.5	PASS
		VN	0	3.03	0.001637	± 2.5	PASS
		VN	10	-0.56	-0.000303	± 2.5	PASS
		VN	20	3.72	0.002010	± 2.5	PASS
		VN	30	1.8	0.000973	± 2.5	PASS
		VN	40	1.65	0.000892	± 2.5	PASS
	MCH	VN	-30	2.29	0.001218	± 2.5	PASS
		VN	-20	1.89	0.001005	± 2.5	PASS

		VN	-10	4.19	0.002229	± 2.5	PASS		
		VN	0	3.91	0.002080	± 2.5	PASS		
		VN	10	0.81	0.000431	± 2.5	PASS		
		VN	20	-1.02	-0.000543	± 2.5	PASS		
		VN	30	1.68	0.000894	± 2.5	PASS		
		VN	40	0.09	0.000048	± 2.5	PASS		
		VN	50	1	0.000532	± 2.5	PASS		
	HCH	VN	-30	4.02	0.002105	± 2.5	PASS		
		VN	-20	-0.19	-0.000100	± 2.5	PASS		
		VN	-10	3.27	0.001713	± 2.5	PASS		
		VN	0	1.05	0.000550	± 2.5	PASS		
		VN	10	1.04	0.000545	± 2.5	PASS		
		VN	20	1.74	0.000911	± 2.5	PASS		
		VN	30	-2	-0.001048	± 2.5	PASS		
		VN	40	4.34	0.002273	± 2.5	PASS		
		VN	50	3.57	0.001870	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.52	0.000281	± 2.5	PASS
				VN	-20	4.05	0.002188	± 2.5	PASS
VN	-10			1.19	0.000643	± 2.5	PASS		
VN	0			-1.53	-0.000827	± 2.5	PASS		
VN	10			4.22	0.002280	± 2.5	PASS		
VN	20			1.97	0.001064	± 2.5	PASS		
VN	30			3.57	0.001929	± 2.5	PASS		
VN	40			-1.17	-0.000632	± 2.5	PASS		
VN	50			4.41	0.002383	± 2.5	PASS		
MCH	VN		-30	2.8	0.001489	± 2.5	PASS		
	VN		-20	-0.2	-0.000106	± 2.5	PASS		
	VN		-10	3.93	0.002090	± 2.5	PASS		
	VN		0	-0.64	-0.000340	± 2.5	PASS		
	VN		10	0.51	0.000271	± 2.5	PASS		
	VN		20	-0.25	-0.000133	± 2.5	PASS		
	VN		30	1.91	0.001016	± 2.5	PASS		
	VN		40	1	0.000532	± 2.5	PASS		
	VN		50	2.88	0.001532	± 2.5	PASS		
HCH	VN		-30	-1.24	-0.000649	± 2.5	PASS		
	VN		-20	1.85	0.000969	± 2.5	PASS		
	VN		-10	0.27	0.000141	± 2.5	PASS		
	VN		0	0.84	0.000440	± 2.5	PASS		
	VN		10	-1.98	-0.001037	± 2.5	PASS		
	VN		20	2.44	0.001278	± 2.5	PASS		
	VN		30	1.52	0.000796	± 2.5	PASS		

		VN	40	3.29	0.001723	± 2.5	PASS
		VN	50	-0.54	-0.000283	± 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	-1.96	-0.001059	± 2.5	PASS
		VN	TN	2.64	0.001426	± 2.5	PASS
		VH	TN	4.65	0.002511	± 2.5	PASS
	MCH	VL	TN	2.49	0.001324	± 2.5	PASS
		VN	TN	4.5	0.002394	± 2.5	PASS
		VH	TN	4.64	0.002468	± 2.5	PASS
	HCH	VL	TN	0.6	0.000314	± 2.5	PASS
		VN	TN	4.16	0.002180	± 2.5	PASS
		VH	TN	3.46	0.001813	± 2.5	PASS
16QAM	LCH	VL	TN	4.86	0.002625	± 2.5	PASS
		VN	TN	2.9	0.001566	± 2.5	PASS
		VH	TN	-1.95	-0.001053	± 2.5	PASS
	MCH	VL	TN	-0.04	-0.000021	± 2.5	PASS
		VN	TN	2.34	0.001245	± 2.5	PASS
		VH	TN	-0.72	-0.000383	± 2.5	PASS
	HCH	VL	TN	1.21	0.000634	± 2.5	PASS
		VN	TN	4.8	0.002515	± 2.5	PASS
		VH	TN	1.34	0.000702	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.08	-0.000043	± 2.5	PASS
		VN	-20	3.03	0.001637	± 2.5	PASS
		VN	-10	-1.51	-0.000816	± 2.5	PASS
		VN	0	1.99	0.001075	± 2.5	PASS
		VN	10	3.01	0.001626	± 2.5	PASS
		VN	20	4.07	0.002198	± 2.5	PASS
		VN	30	0.85	0.000459	± 2.5	PASS
		VN	40	-0.66	-0.000356	± 2.5	PASS
		VN	50	3.46	0.001869	± 2.5	PASS
	MCH	VN	-30	-0.94	-0.000500	± 2.5	PASS
		VN	-20	4.55	0.002420	± 2.5	PASS
		VN	-10	-0.07	-0.000037	± 2.5	PASS

		VN	0	0.77	0.000410	± 2.5	PASS		
		VN	10	2.41	0.001282	± 2.5	PASS		
		VN	20	-0.88	-0.000468	± 2.5	PASS		
		VN	30	2.04	0.001085	± 2.5	PASS		
		VN	40	3.18	0.001691	± 2.5	PASS		
		VN	50	1.45	0.000771	± 2.5	PASS		
	HCH	VN	-30	3.45	0.001808	± 2.5	PASS		
		VN	-20	2.29	0.001200	± 2.5	PASS		
		VN	-10	2.61	0.001368	± 2.5	PASS		
		VN	0	0.8	0.000419	± 2.5	PASS		
		VN	10	1.69	0.000886	± 2.5	PASS		
		VN	20	-2	-0.001048	± 2.5	PASS		
		VN	30	1.96	0.001027	± 2.5	PASS		
		VN	40	3.09	0.001619	± 2.5	PASS		
		VN	50	4.77	0.002499	± 2.5	PASS		
		QPSK	LCH	VN	-30	0.77	0.000416	± 2.5	PASS
				VN	-20	-0.59	-0.000319	± 2.5	PASS
				VN	-10	3.95	0.002133	± 2.5	PASS
VN	0			0.79	0.000427	± 2.5	PASS		
VN	10			4.91	0.002652	± 2.5	PASS		
VN	20			1.07	0.000578	± 2.5	PASS		
VN	30			-1.54	-0.000832	± 2.5	PASS		
VN	40			2.88	0.001555	± 2.5	PASS		
VN	50			1.12	0.000605	± 2.5	PASS		
MCH	VN		-30	1.76	0.000936	± 2.5	PASS		
	VN		-20	2.29	0.001218	± 2.5	PASS		
	VN		-10	-0.83	-0.000441	± 2.5	PASS		
	VN		0	3.63	0.001931	± 2.5	PASS		
	VN		10	1.02	0.000543	± 2.5	PASS		
	VN		20	-0.3	-0.000160	± 2.5	PASS		
	VN		30	-1.97	-0.001048	± 2.5	PASS		
	VN		40	-0.94	-0.000500	± 2.5	PASS		
	VN		50	0.64	0.000340	± 2.5	PASS		
HCH	VN		-30	2.33	0.001221	± 2.5	PASS		
	VN		-20	0.65	0.000341	± 2.5	PASS		
	VN		-10	0.73	0.000382	± 2.5	PASS		
	VN		0	1.24	0.000650	± 2.5	PASS		
	VN		10	-1.34	-0.000702	± 2.5	PASS		
	VN		20	0.23	0.000121	± 2.5	PASS		
	VN		30	2.42	0.001268	± 2.5	PASS		
	VN		40	4.36	0.002285	± 2.5	PASS		

		VN	50	3.88	0.002033	± 2.5	PASS
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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	-1.83	-0.000988	± 2.5	PASS
		VN	TN	1.24	0.000669	± 2.5	PASS
		VH	TN	4.79	0.002586	± 2.5	PASS
	MCH	VL	TN	2.9	0.001543	± 2.5	PASS
		VN	TN	3.56	0.001894	± 2.5	PASS
		VH	TN	1.79	0.000952	± 2.5	PASS
	HCH	VL	TN	4.28	0.002244	± 2.5	PASS
		VN	TN	3.78	0.001982	± 2.5	PASS
		VH	TN	3.41	0.001788	± 2.5	PASS
16QAM	LCH	VL	TN	2.12	0.001144	± 2.5	PASS
		VN	TN	1.67	0.000901	± 2.5	PASS
		VH	TN	1.7	0.000918	± 2.5	PASS
	MCH	VL	TN	2.83	0.001505	± 2.5	PASS
		VN	TN	1.46	0.000777	± 2.5	PASS
		VH	TN	2.33	0.001239	± 2.5	PASS
	HCH	VL	TN	0.99	0.000519	± 2.5	PASS
		VN	TN	-0.59	-0.000309	± 2.5	PASS
		VH	TN	1.65	0.000865	± 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	-1.46	-0.000788	± 2.5	PASS
		VN	-10	4.64	0.002505	± 2.5	PASS
		VN	0	-0.89	-0.000480	± 2.5	PASS
		VN	10	2.35	0.001269	± 2.5	PASS
		VN	20	-0.64	-0.000345	± 2.5	PASS
		VN	30	1.51	0.000815	± 2.5	PASS
		VN	40	-1.15	-0.000621	± 2.5	PASS
		VN	50	-1.93	-0.001042	± 2.5	PASS
	MCH	VN	-30	4.16	0.002213	± 2.5	PASS
		VN	-20	-1.05	-0.000559	± 2.5	PASS
		VN	-10	2.62	0.001394	± 2.5	PASS
		VN	0	2.52	0.001340	± 2.5	PASS

		VN	10	0.52	0.000277	± 2.5	PASS
		VN	20	0.93	0.000495	± 2.5	PASS
		VN	30	-0.34	-0.000181	± 2.5	PASS
		VN	40	1.24	0.000660	± 2.5	PASS
		VN	50	-0.01	-0.000005	± 2.5	PASS
	HCH	VN	-30	2.78	0.001457	± 2.5	PASS
		VN	-20	4.22	0.002212	± 2.5	PASS
		VN	-10	2.58	0.001353	± 2.5	PASS
		VN	0	4.75	0.002490	± 2.5	PASS
		VN	10	1.47	0.000771	± 2.5	PASS
		VN	20	0.09	0.000047	± 2.5	PASS
		VN	30	-0.62	-0.000325	± 2.5	PASS
		VN	40	2.45	0.001284	± 2.5	PASS
		VN	50	2.42	0.001269	± 2.5	PASS
		16QAM	LCH	VN	-30	1.69	0.000912
VN	-20			-0.5	-0.000270	± 2.5	PASS
VN	-10			1.71	0.000923	± 2.5	PASS
VN	0			0.75	0.000405	± 2.5	PASS
VN	10			1.74	0.000939	± 2.5	PASS
VN	20			1.7	0.000918	± 2.5	PASS
VN	30			1.59	0.000858	± 2.5	PASS
VN	40			1.91	0.001031	± 2.5	PASS
VN	50			-0.6	-0.000324	± 2.5	PASS
MCH	VN		-30	-1.73	-0.000920	± 2.5	PASS
	VN		-20	3.06	0.001628	± 2.5	PASS
	VN		-10	0.38	0.000202	± 2.5	PASS
	VN		0	3.27	0.001739	± 2.5	PASS
	VN		10	1.63	0.000867	± 2.5	PASS
	VN		20	-0.76	-0.000404	± 2.5	PASS
	VN		30	2.93	0.001559	± 2.5	PASS
	VN		40	0.35	0.000186	± 2.5	PASS
	VN		50	3.26	0.001734	± 2.5	PASS
HCH	VN		-30	2.88	0.001510	± 2.5	PASS
	VN		-20	-0.8	-0.000419	± 2.5	PASS
	VN		-10	2.6	0.001363	± 2.5	PASS
	VN		0	-0.96	-0.000503	± 2.5	PASS
	VN		10	-1.31	-0.000687	± 2.5	PASS
	VN		20	3.83	0.002008	± 2.5	PASS
	VN		30	3.14	0.001646	± 2.5	PASS
	VN		40	0.31	0.000163	± 2.5	PASS
	VN		50	-1.87	-0.000980	± 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	0.83	0.000447	± 2.5	PASS
		VN	TN	-0.2	-0.000108	± 2.5	PASS
		VH	TN	4.24	0.002286	± 2.5	PASS
	MCH	VL	TN	-1.59	-0.000846	± 2.5	PASS
		VN	TN	3.15	0.001676	± 2.5	PASS
		VH	TN	4.83	0.002569	± 2.5	PASS
	HCH	VL	TN	0.06	0.000031	± 2.5	PASS
		VN	TN	4	0.002100	± 2.5	PASS
		VH	TN	4.1	0.002152	± 2.5	PASS
16QAM	LCH	VL	TN	0.98	0.000528	± 2.5	PASS
		VN	TN	-1.34	-0.000722	± 2.5	PASS
		VH	TN	2.63	0.001418	± 2.5	PASS
	MCH	VL	TN	0.43	0.000229	± 2.5	PASS
		VN	TN	0.13	0.000069	± 2.5	PASS
		VH	TN	-1.05	-0.000559	± 2.5	PASS
	HCH	VL	TN	4.8	0.002520	± 2.5	PASS
		VN	TN	0.1	0.000052	± 2.5	PASS
		VH	TN	0.63	0.000331	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-1.4	-0.000755	± 2.5	PASS
		VN	-20	-0.21	-0.000113	± 2.5	PASS
		VN	-10	2.51	0.001353	± 2.5	PASS
		VN	0	-1.4	-0.000755	± 2.5	PASS
		VN	10	-0.78	-0.000420	± 2.5	PASS
		VN	20	0.24	0.000129	± 2.5	PASS
		VN	30	3.32	0.001790	± 2.5	PASS
		VN	40	1.66	0.000895	± 2.5	PASS
	MCH	VN	50	1.39	0.000749	± 2.5	PASS
		VN	-30	2.97	0.001580	± 2.5	PASS
		VN	-20	-1.26	-0.000670	± 2.5	PASS
		VN	-10	1.4	0.000745	± 2.5	PASS
		VN	0	1.83	0.000973	± 2.5	PASS
		VN	10	-1.99	-0.001059	± 2.5	PASS
VN	20	4.8	0.002553	± 2.5	PASS		

		VN	30	0.31	0.000165	± 2.5	PASS
		VN	40	-0.24	-0.000128	± 2.5	PASS
		VN	50	2.74	0.001457	± 2.5	PASS
	HCH	VN	-30	2.67	0.001402	± 2.5	PASS
		VN	-20	3.34	0.001753	± 2.5	PASS
		VN	-10	4.5	0.002362	± 2.5	PASS
		VN	0	-1.69	-0.000887	± 2.5	PASS
		VN	10	-0.37	-0.000194	± 2.5	PASS
		VN	20	4.67	0.002451	± 2.5	PASS
		VN	30	-1.85	-0.000971	± 2.5	PASS
		VN	40	-1.66	-0.000871	± 2.5	PASS
		VN	50	4.03	0.002115	± 2.5	PASS
QPSK	LCH	VN	-30	1.72	0.000927	± 2.5	PASS
		VN	-20	3.74	0.002016	± 2.5	PASS
		VN	-10	0.46	0.000248	± 2.5	PASS
		VN	0	4.5	0.002426	± 2.5	PASS
		VN	10	-1.05	-0.000566	± 2.5	PASS
		VN	20	1.63	0.000879	± 2.5	PASS
		VN	30	-0.34	-0.000183	± 2.5	PASS
		VN	40	-1.42	-0.000765	± 2.5	PASS
		VN	50	-0.98	-0.000528	± 2.5	PASS
	MCH	VN	-30	4.7	0.002500	± 2.5	PASS
		VN	-20	1.62	0.000862	± 2.5	PASS
		VN	-10	-1.9	-0.001011	± 2.5	PASS
		VN	0	2.43	0.001293	± 2.5	PASS
		VN	10	-0.27	-0.000144	± 2.5	PASS
		VN	20	3.31	0.001761	± 2.5	PASS
		VN	30	3.9	0.002074	± 2.5	PASS
		VN	40	0.2	0.000106	± 2.5	PASS
		VN	50	4.58	0.002436	± 2.5	PASS
	HCH	VN	-30	3.54	0.001858	± 2.5	PASS
		VN	-20	3.44	0.001806	± 2.5	PASS
		VN	-10	1.51	0.000793	± 2.5	PASS
		VN	0	-1.43	-0.000751	± 2.5	PASS
		VN	10	2.59	0.001360	± 2.5	PASS
		VN	20	3.43	0.001801	± 2.5	PASS
		VN	30	2.8	0.001470	± 2.5	PASS
		VN	40	-1.44	-0.000756	± 2.5	PASS
		VN	50	1.74	0.000913	± 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	0.001077	± 2.5	PASS
		VN	TN	-0.32	-0.000172	± 2.5	PASS
		VH	TN	4.06	0.002186	± 2.5	PASS
	MCH	VL	TN	-1.82	-0.000968	± 2.5	PASS
		VN	TN	-1.21	-0.000644	± 2.5	PASS
		VH	TN	0.09	0.000048	± 2.5	PASS
	HCH	VL	TN	1.94	0.001020	± 2.5	PASS
		VN	TN	2.62	0.001377	± 2.5	PASS
		VH	TN	2.67	0.001403	± 2.5	PASS
16QAM	LCH	VL	TN	1.96	0.001055	± 2.5	PASS
		VN	TN	3.68	0.001981	± 2.5	PASS
		VH	TN	-0.33	-0.000178	± 2.5	PASS
	MCH	VL	TN	1.75	0.000931	± 2.5	PASS
		VN	TN	0.56	0.000298	± 2.5	PASS
		VH	TN	3.31	0.001761	± 2.5	PASS
	HCH	VL	TN	4.23	0.002223	± 2.5	PASS
		VN	TN	-0.89	-0.000468	± 2.5	PASS
		VH	TN	0.71	0.000373	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.65	0.002503	± 2.5	PASS
		VN	-20	1.08	0.000581	± 2.5	PASS
		VN	-10	3.65	0.001965	± 2.5	PASS
		VN	0	3.35	0.001803	± 2.5	PASS
		VN	10	2.81	0.001513	± 2.5	PASS
		VN	20	-0.43	-0.000231	± 2.5	PASS
		VN	30	3.92	0.002110	± 2.5	PASS
		VN	40	3.82	0.002057	± 2.5	PASS
		VN	50	0.52	0.000280	± 2.5	PASS
	MCH	VN	-30	-0.76	-0.000404	± 2.5	PASS
		VN	-20	1.58	0.000840	± 2.5	PASS
		VN	-10	0.49	0.000261	± 2.5	PASS
		VN	0	0.33	0.000176	± 2.5	PASS
		VN	10	-1.95	-0.001037	± 2.5	PASS
		VN	20	1.08	0.000574	± 2.5	PASS

		VN	30	-0.07	-0.000037	± 2.5	PASS
		VN	40	1.81	0.000963	± 2.5	PASS
		VN	50	-0.41	-0.000218	± 2.5	PASS
	HCH	VN	-30	-1.79	-0.000941	± 2.5	PASS
		VN	-20	4.93	0.002591	± 2.5	PASS
		VN	-10	3.83	0.002013	± 2.5	PASS
		VN	0	0.88	0.000463	± 2.5	PASS
		VN	10	1.5	0.000788	± 2.5	PASS
		VN	20	3.39	0.001782	± 2.5	PASS
		VN	30	0.62	0.000326	± 2.5	PASS
		VN	40	1.42	0.000746	± 2.5	PASS
		VN	50	3.81	0.002003	± 2.5	PASS
QPSK	LCH	VN	-30	1.15	0.000619	± 2.5	PASS
		VN	-20	2.73	0.001470	± 2.5	PASS
		VN	-10	2.31	0.001244	± 2.5	PASS
		VN	0	-1.2	-0.000646	± 2.5	PASS
		VN	10	1.84	0.000991	± 2.5	PASS
		VN	20	2.54	0.001367	± 2.5	PASS
		VN	30	4.24	0.002283	± 2.5	PASS
		VN	40	-1.9	-0.001023	± 2.5	PASS
	MCH	VN	50	0.86	0.000463	± 2.5	PASS
		VN	-30	2.26	0.001202	± 2.5	PASS
		VN	-20	-0.25	-0.000133	± 2.5	PASS
		VN	-10	-1.28	-0.000681	± 2.5	PASS
		VN	0	-1.94	-0.001032	± 2.5	PASS
		VN	10	0.6	0.000319	± 2.5	PASS
		VN	20	3.36	0.001787	± 2.5	PASS
		VN	30	-1.97	-0.001048	± 2.5	PASS
	HCH	VN	40	0.22	0.000117	± 2.5	PASS
		VN	50	4.4	0.002340	± 2.5	PASS
		VN	-30	-0.67	-0.000352	± 2.5	PASS
		VN	-20	-0.43	-0.000226	± 2.5	PASS
		VN	-10	2.24	0.001177	± 2.5	PASS
		VN	0	2.03	0.001067	± 2.5	PASS
		VN	10	-0.67	-0.000352	± 2.5	PASS
		VN	20	-1.79	-0.000941	± 2.5	PASS
	VN	30	-0.54	-0.000284	± 2.5	PASS	
	VN	40	3.59	0.001887	± 2.5	PASS	
	VN	50	2.79	0.001466	± 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	3.07	0.001651	± 2.5	PASS
		VN	TN	1.37	0.000737	± 2.5	PASS
		VH	TN	0.35	0.000188	± 2.5	PASS
	MCH	VL	TN	3.73	0.001984	± 2.5	PASS
		VN	TN	0.93	0.000495	± 2.5	PASS
		VH	TN	-1.92	-0.001021	± 2.5	PASS
	HCH	VL	TN	-0.85	-0.000447	± 2.5	PASS
		VN	TN	2.85	0.001500	± 2.5	PASS
		VH	TN	4.44	0.002337	± 2.5	PASS
16QAM	LCH	VL	TN	2.73	0.001468	± 2.5	PASS
		VN	TN	0.45	0.000242	± 2.5	PASS
		VH	TN	2.75	0.001478	± 2.5	PASS
	MCH	VL	TN	0.68	0.000362	± 2.5	PASS
		VN	TN	1.81	0.000963	± 2.5	PASS
		VH	TN	0.1	0.000053	± 2.5	PASS
	HCH	VL	TN	4.33	0.002279	± 2.5	PASS
		VN	TN	0.28	0.000147	± 2.5	PASS
		VH	TN	1.96	0.001032	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.33	-0.000715	± 2.5	PASS
		VN	-20	3.46	0.001860	± 2.5	PASS
		VN	-10	4.02	0.002161	± 2.5	PASS
		VN	0	-0.4	-0.000215	± 2.5	PASS
		VN	10	3.34	0.001796	± 2.5	PASS
		VN	20	3.69	0.001984	± 2.5	PASS
		VN	30	0.53	0.000285	± 2.5	PASS
		VN	40	1.96	0.001054	± 2.5	PASS
		VN	50	2.07	0.001113	± 2.5	PASS
	MCH	VN	-30	-0.42	-0.000223	± 2.5	PASS
		VN	-20	0.45	0.000239	± 2.5	PASS
		VN	-10	2.03	0.001080	± 2.5	PASS
		VN	0	0.37	0.000197	± 2.5	PASS
		VN	10	3.91	0.002080	± 2.5	PASS
		VN	20	4.24	0.002255	± 2.5	PASS

		VN	30	4.8	0.002553	± 2.5	PASS
		VN	40	2.59	0.001378	± 2.5	PASS
		VN	50	3.33	0.001771	± 2.5	PASS
	HCH	VN	-30	2.22	0.001168	± 2.5	PASS
		VN	-20	-1.47	-0.000774	± 2.5	PASS
		VN	-10	2.23	0.001174	± 2.5	PASS
		VN	0	3.21	0.001689	± 2.5	PASS
		VN	10	2.64	0.001389	± 2.5	PASS
		VN	20	1.73	0.000911	± 2.5	PASS
		VN	30	-0.61	-0.000321	± 2.5	PASS
		VN	40	3.06	0.001611	± 2.5	PASS
		VN	50	-0.44	-0.000232	± 2.5	PASS
QPSK	LCH	VN	-30	-1.75	-0.000941	± 2.5	PASS
		VN	-20	1.09	0.000586	± 2.5	PASS
		VN	-10	-1.66	-0.000892	± 2.5	PASS
		VN	0	2.42	0.001301	± 2.5	PASS
		VN	10	4.67	0.002511	± 2.5	PASS
		VN	20	-0.16	-0.000086	± 2.5	PASS
		VN	30	2.72	0.001462	± 2.5	PASS
		VN	40	4.19	0.002253	± 2.5	PASS
		VN	50	1.76	0.000946	± 2.5	PASS
	MCH	VN	-30	3.86	0.002053	± 2.5	PASS
		VN	-20	3.84	0.002043	± 2.5	PASS
		VN	-10	4.33	0.002303	± 2.5	PASS
		VN	0	3.96	0.002106	± 2.5	PASS
		VN	10	-0.32	-0.000170	± 2.5	PASS
		VN	20	-0.1	-0.000053	± 2.5	PASS
		VN	30	4.87	0.002590	± 2.5	PASS
		VN	40	-0.6	-0.000319	± 2.5	PASS
		VN	50	1.85	0.000984	± 2.5	PASS
	HCH	VN	-30	2.74	0.001442	± 2.5	PASS
		VN	-20	2.8	0.001474	± 2.5	PASS
		VN	-10	-0.63	-0.000332	± 2.5	PASS
		VN	0	4.5	0.002368	± 2.5	PASS
		VN	10	0.9	0.000474	± 2.5	PASS
		VN	20	3.03	0.001595	± 2.5	PASS
		VN	30	1.38	0.000726	± 2.5	PASS
		VN	40	1.07	0.000563	± 2.5	PASS
		VN	50	4.87	0.002563	± 2.5	PASS