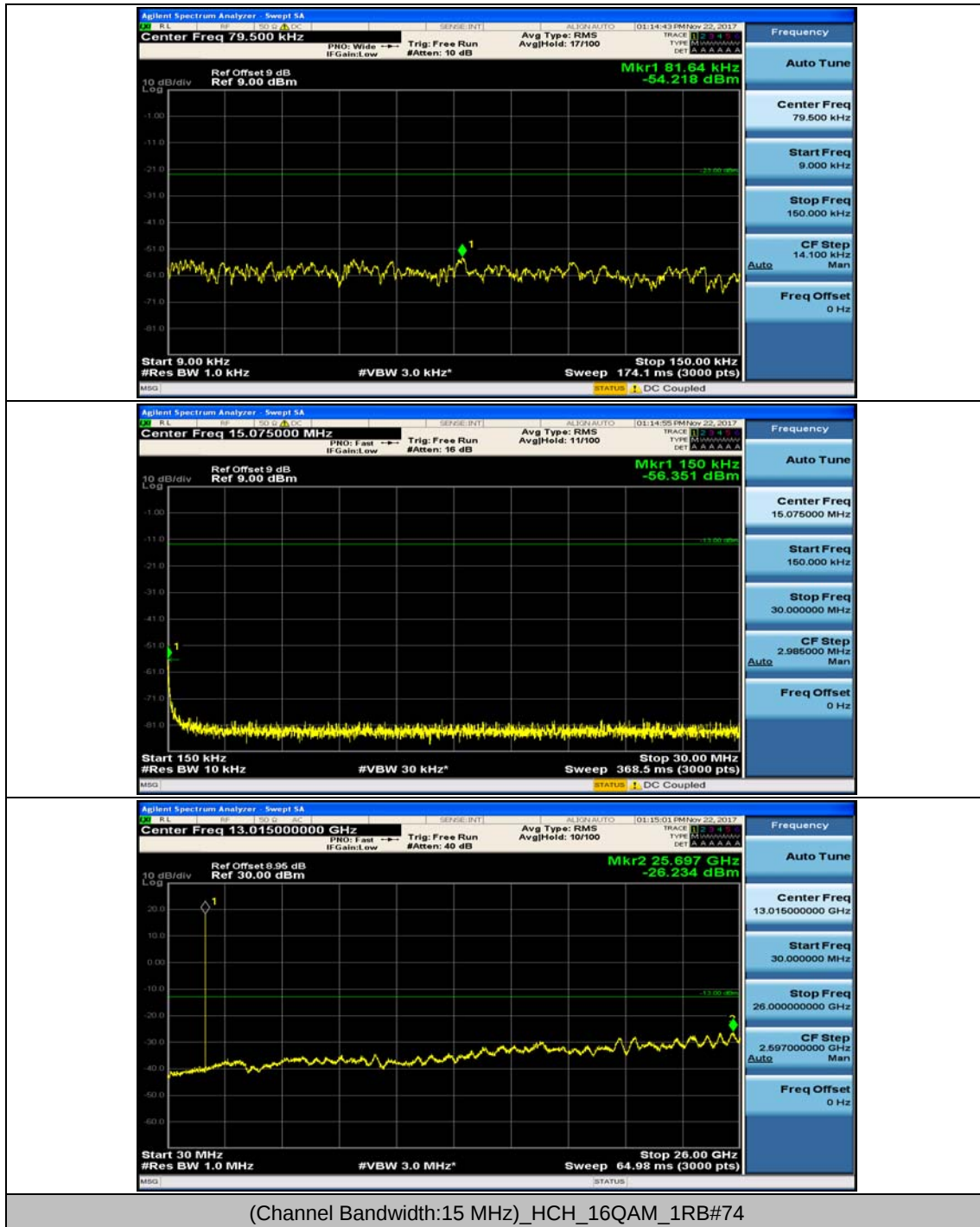
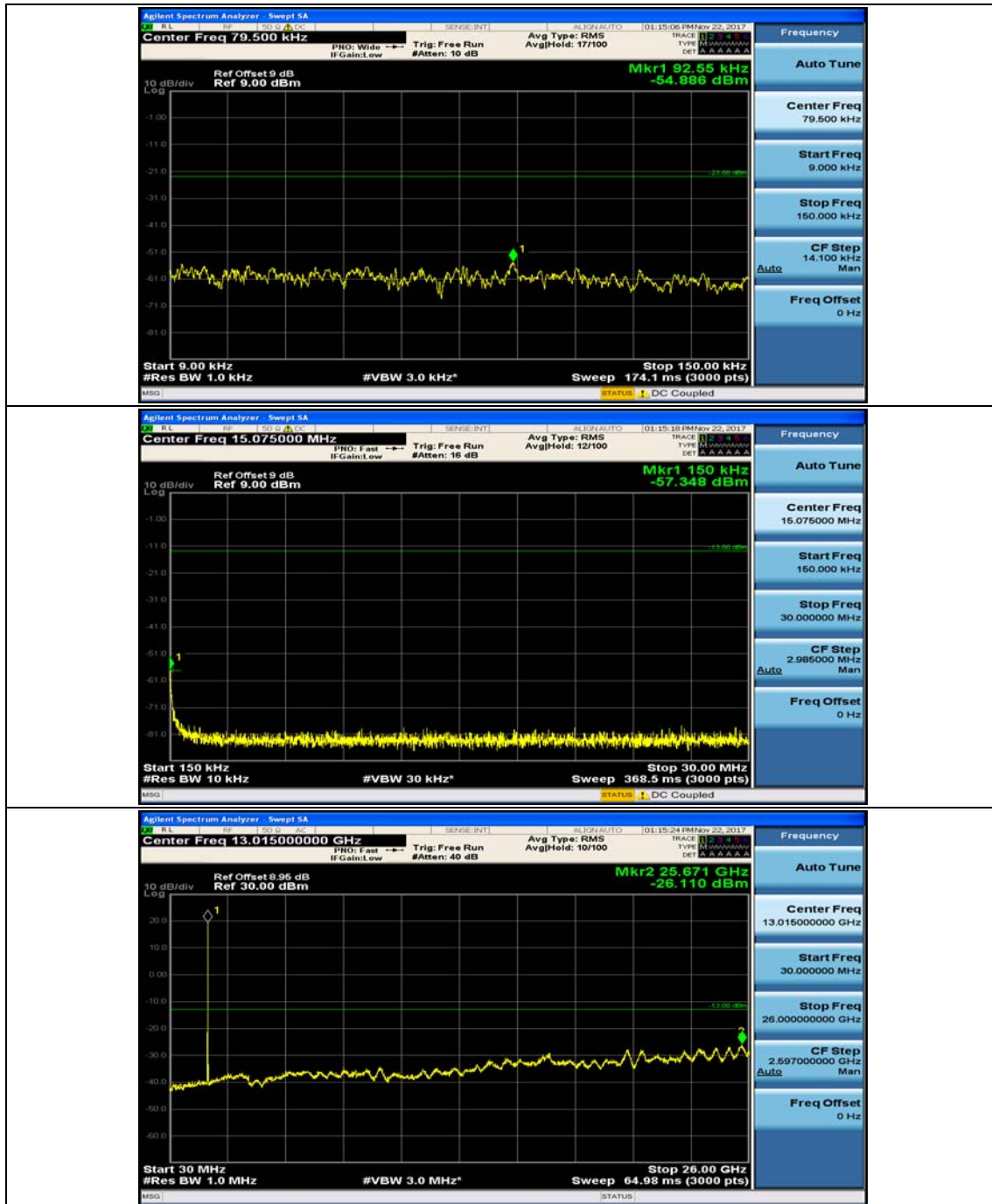
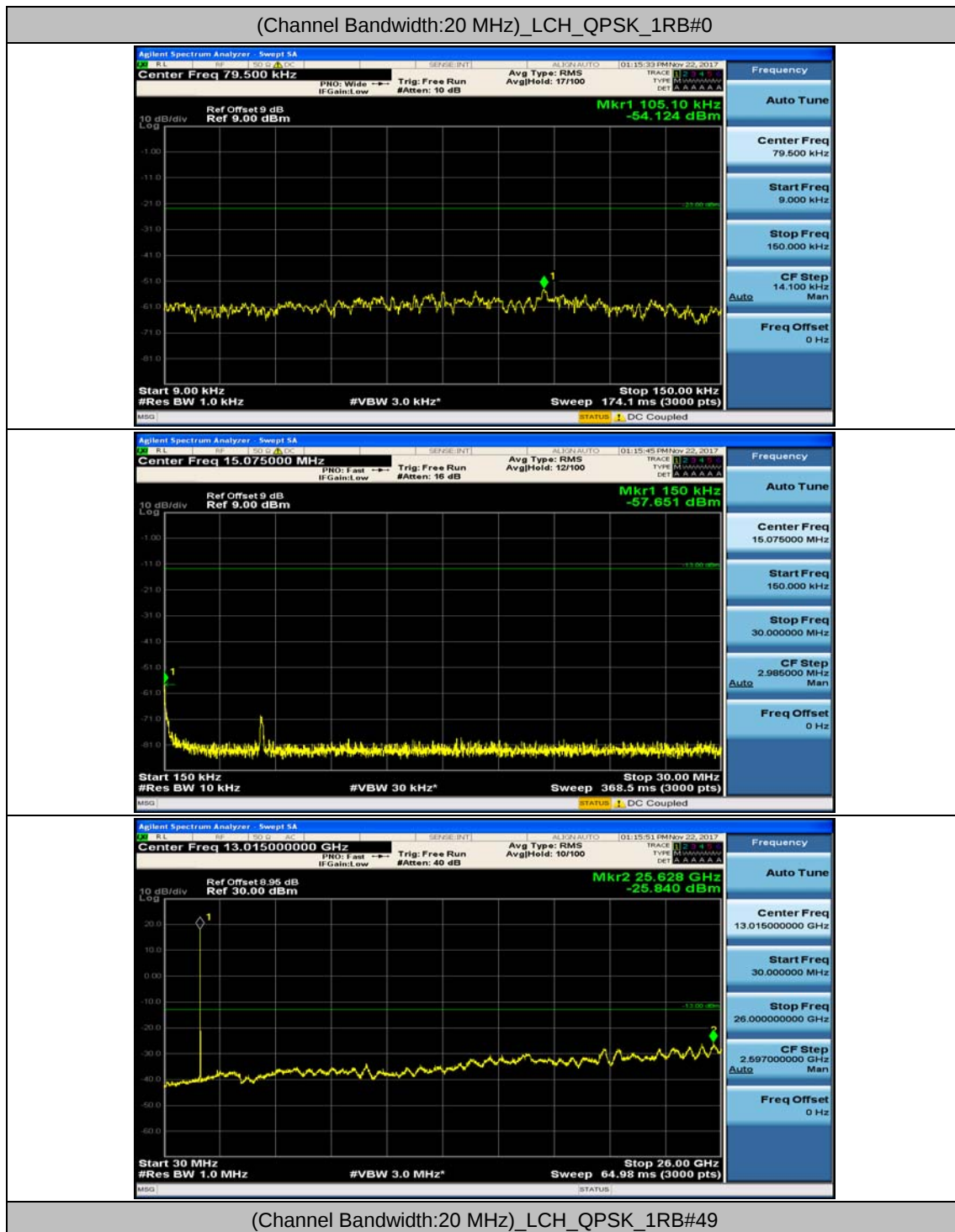
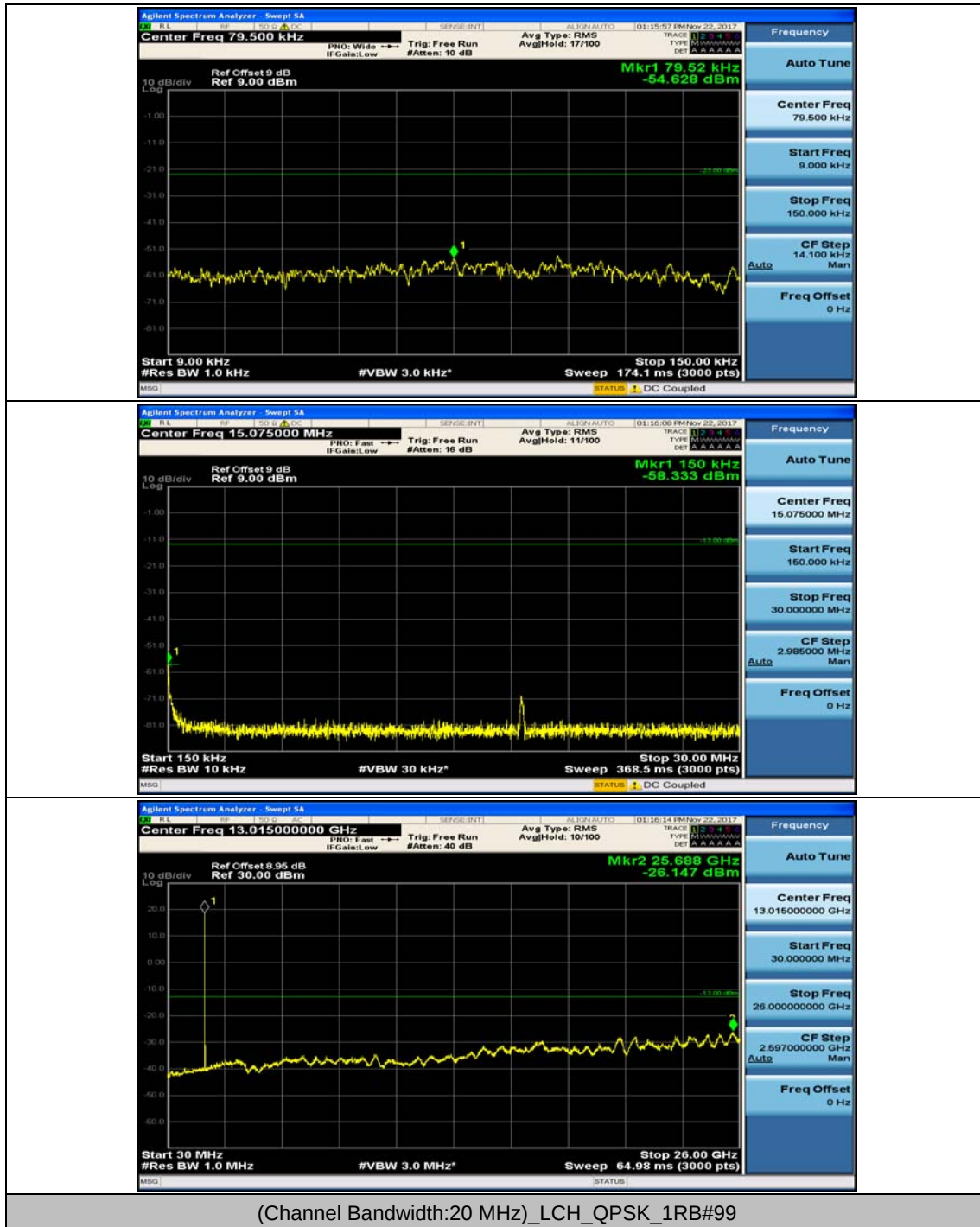


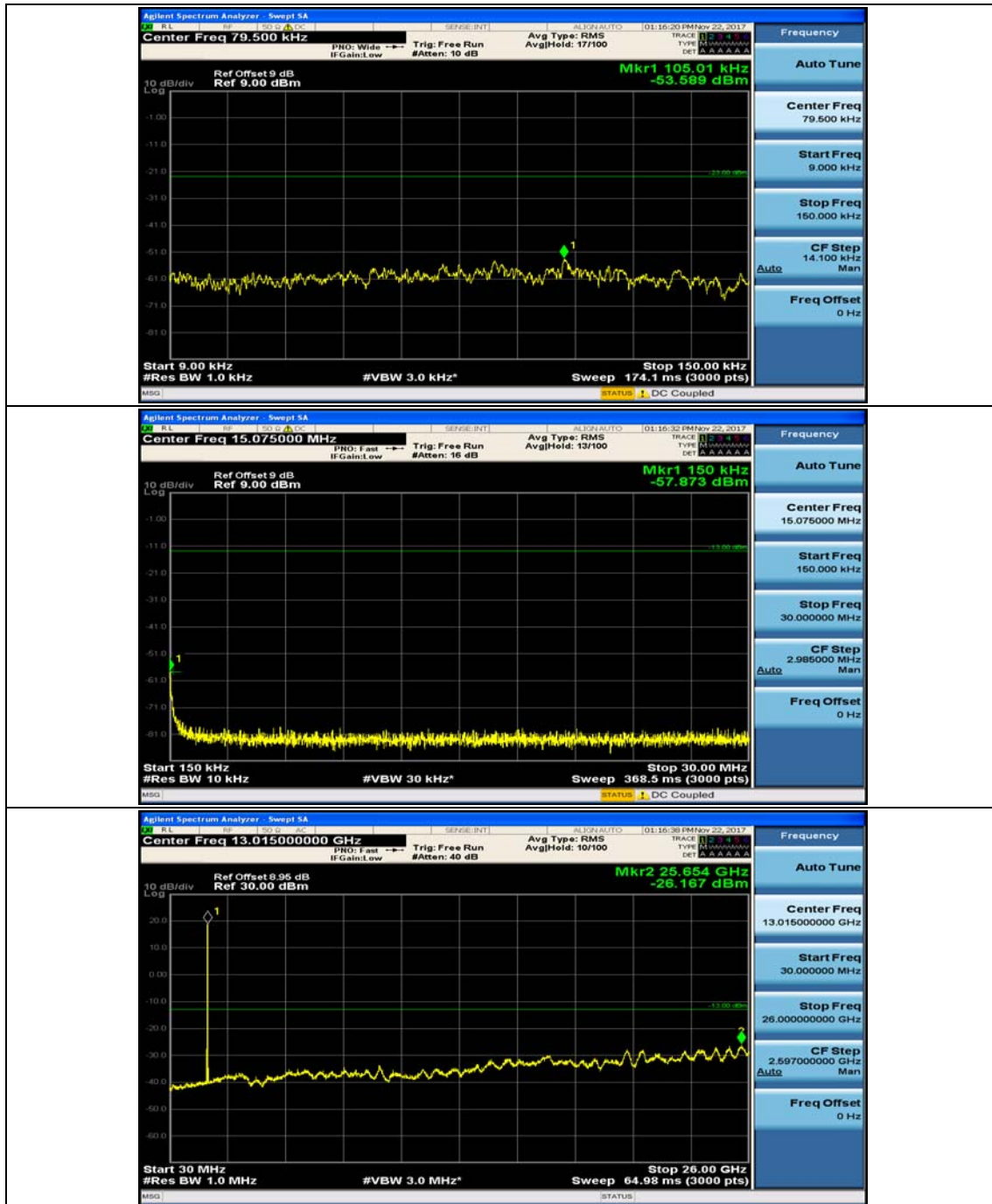




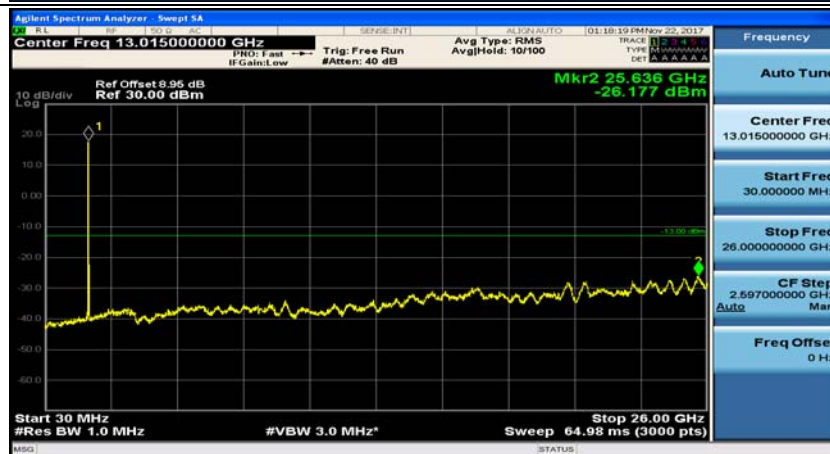
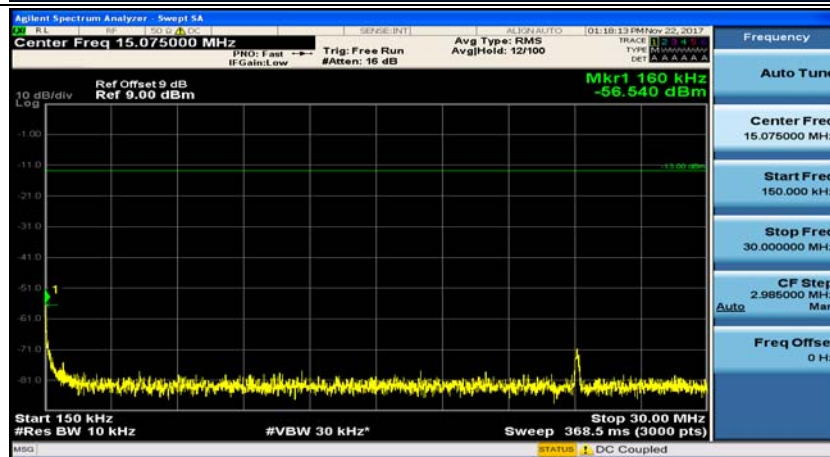
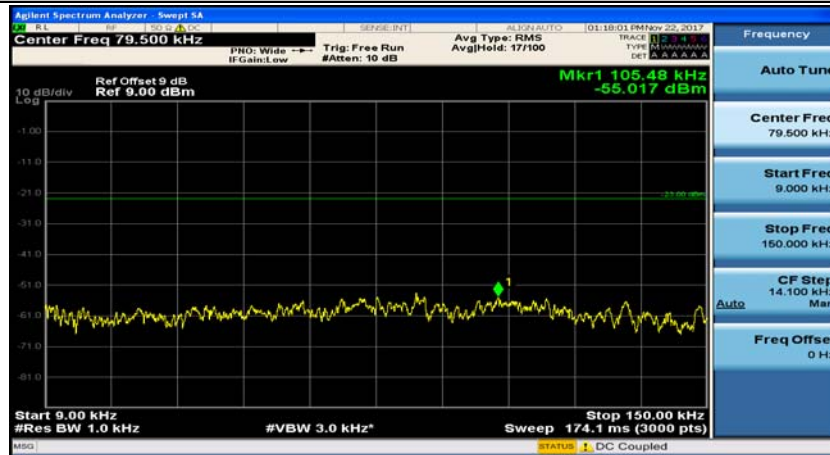
Channel Bandwidth: 20 MHz



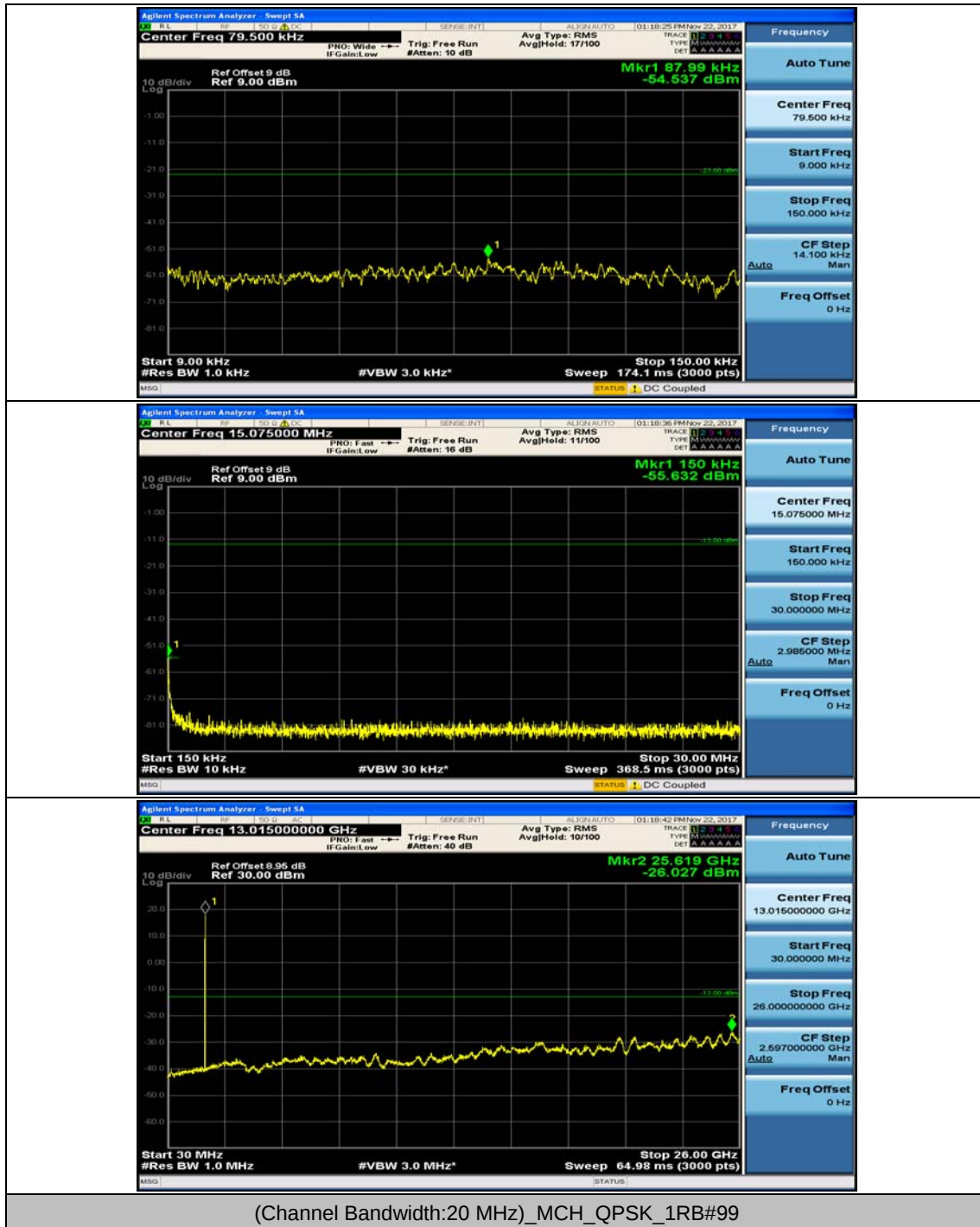


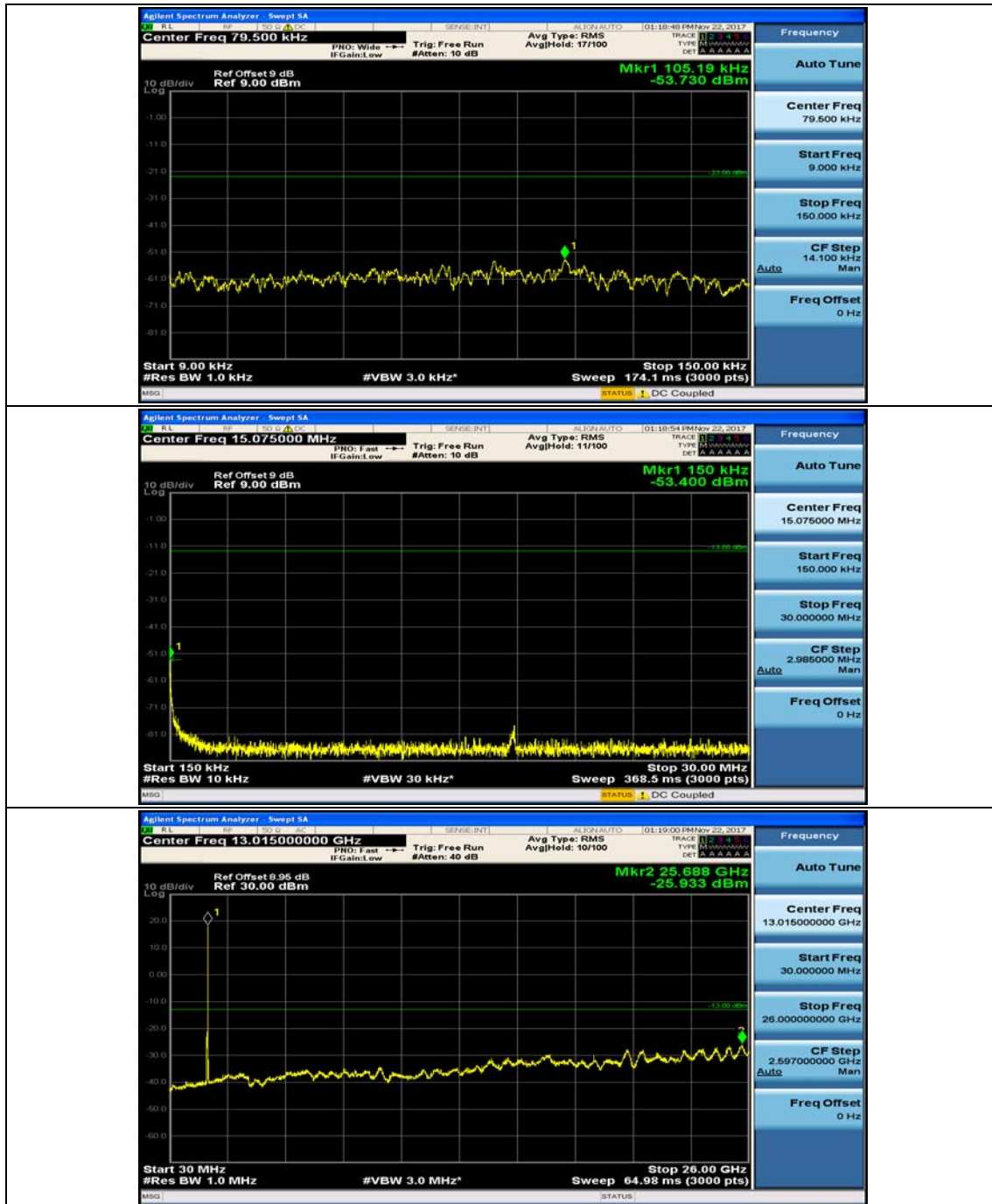


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

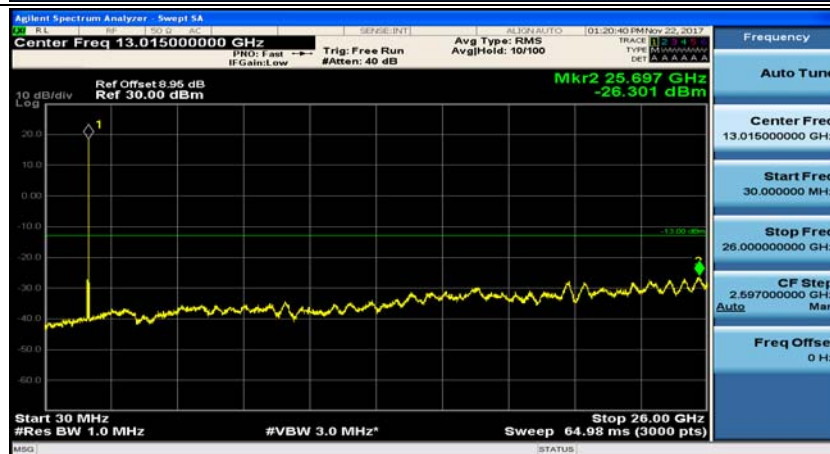
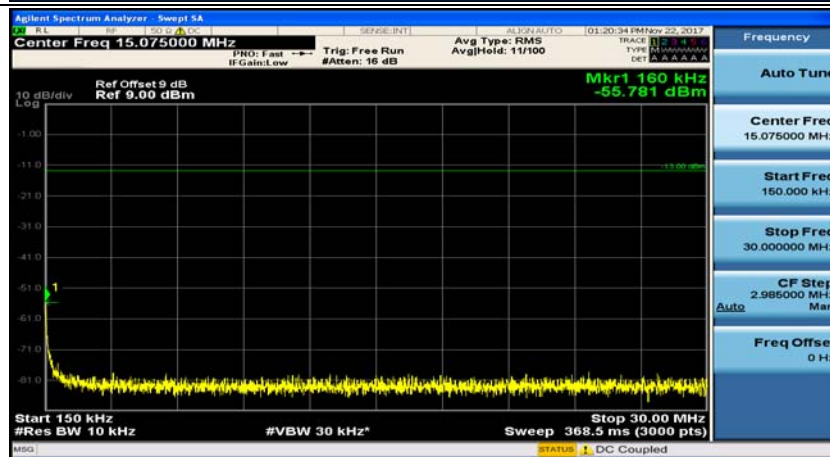
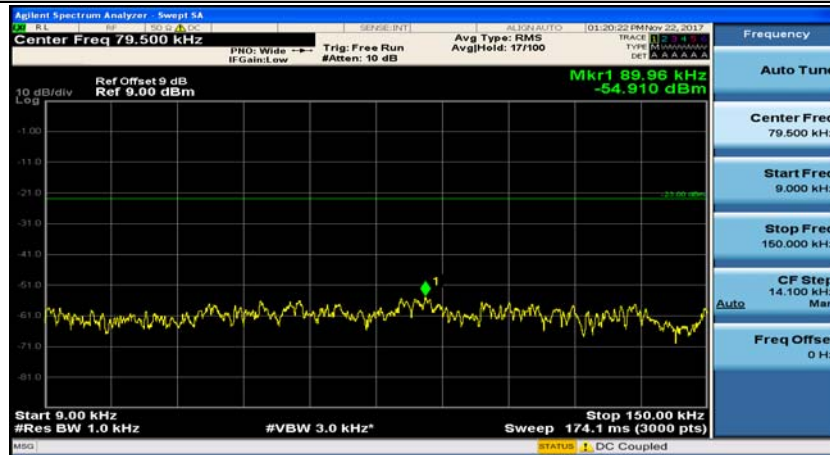


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

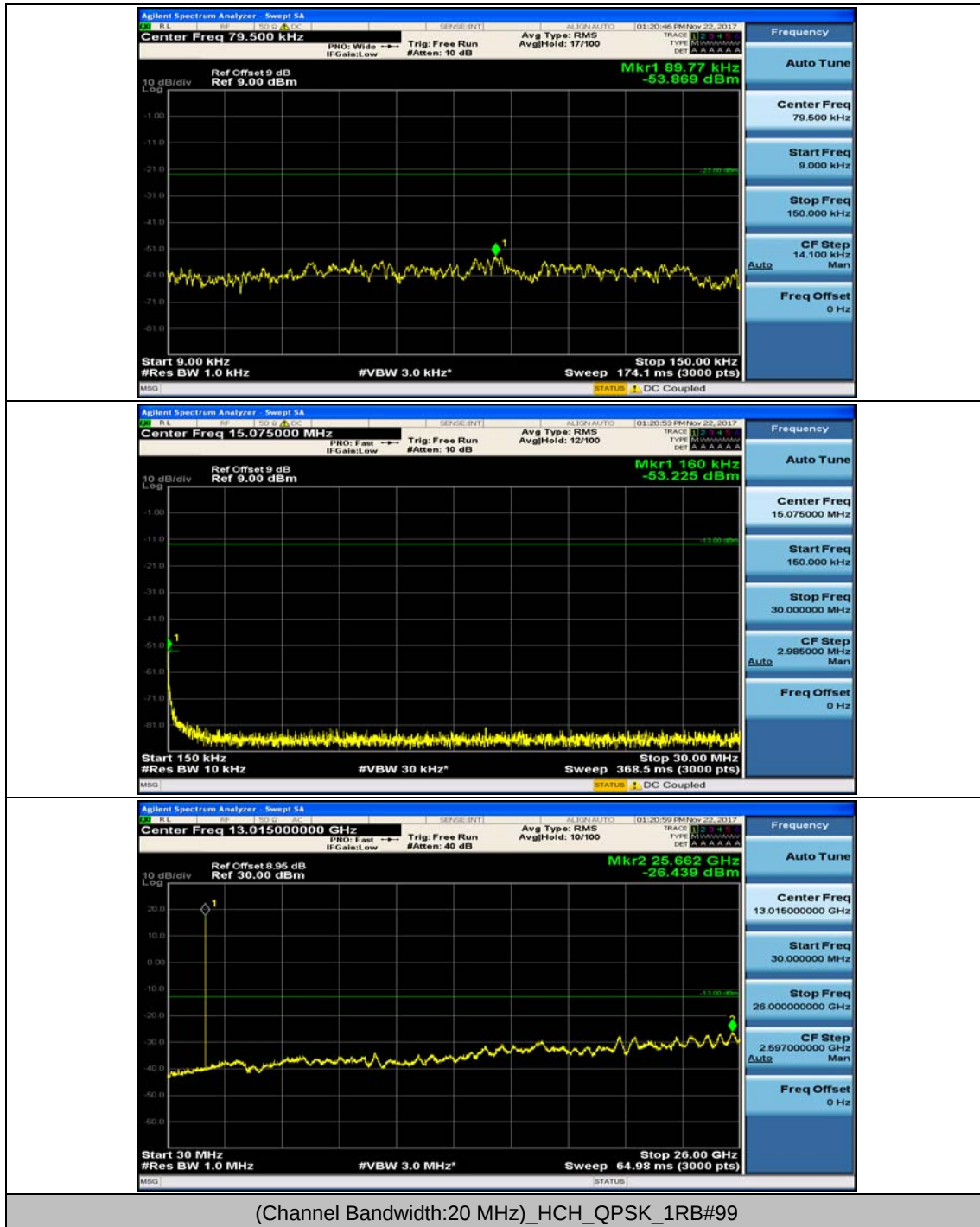


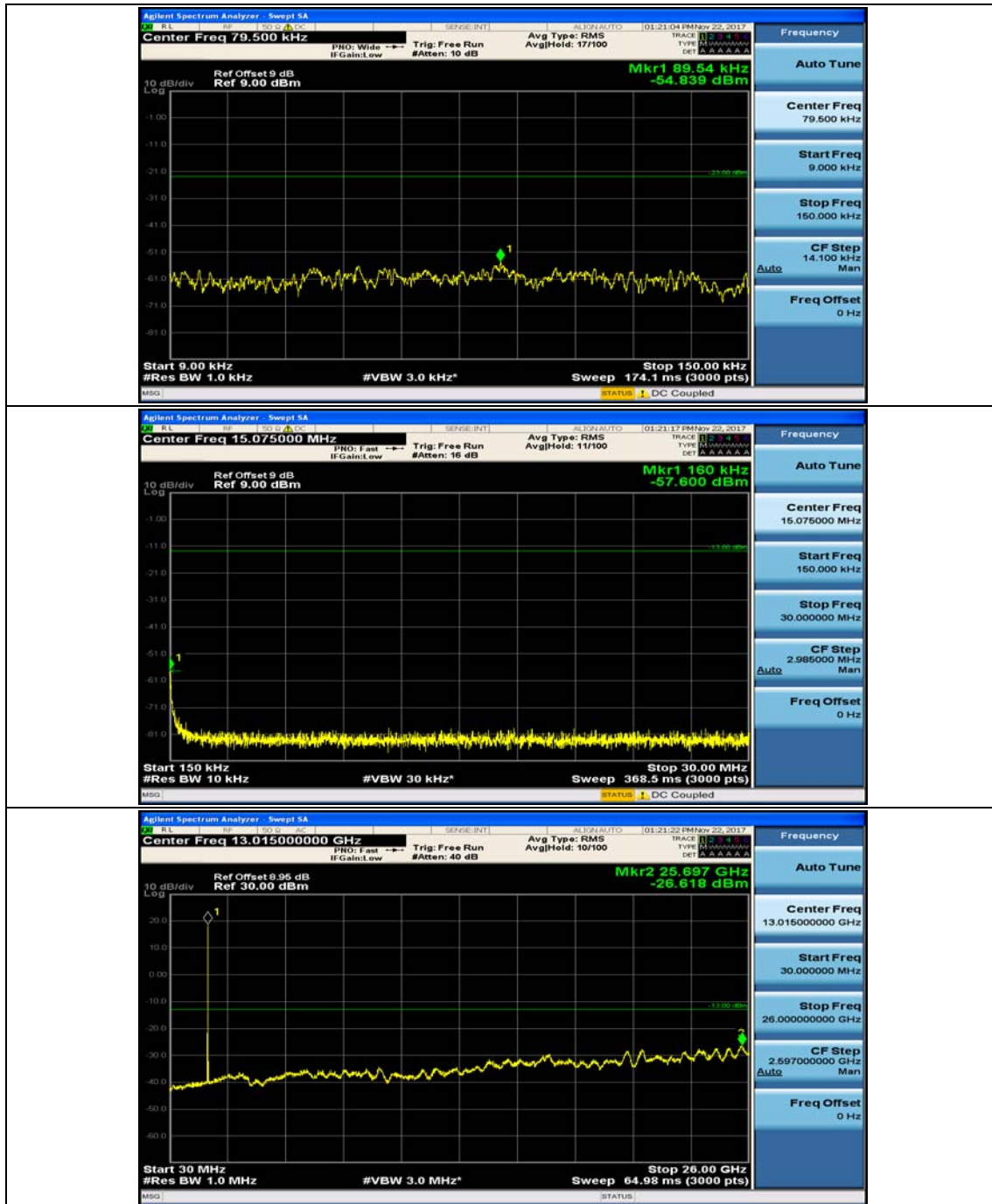


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

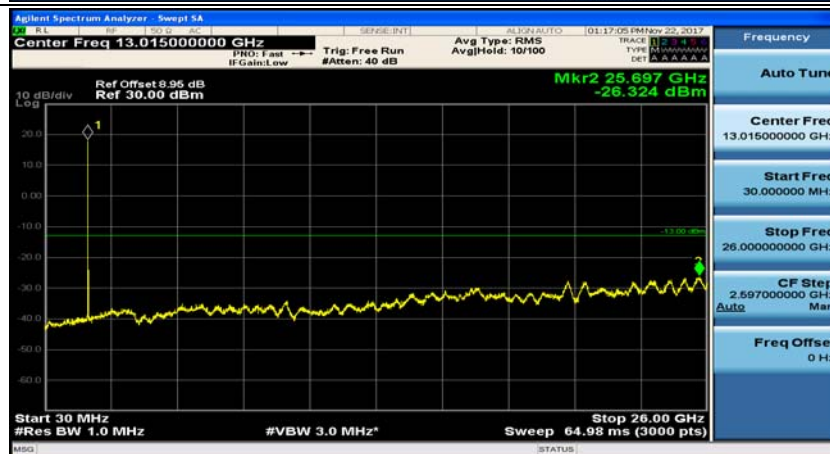
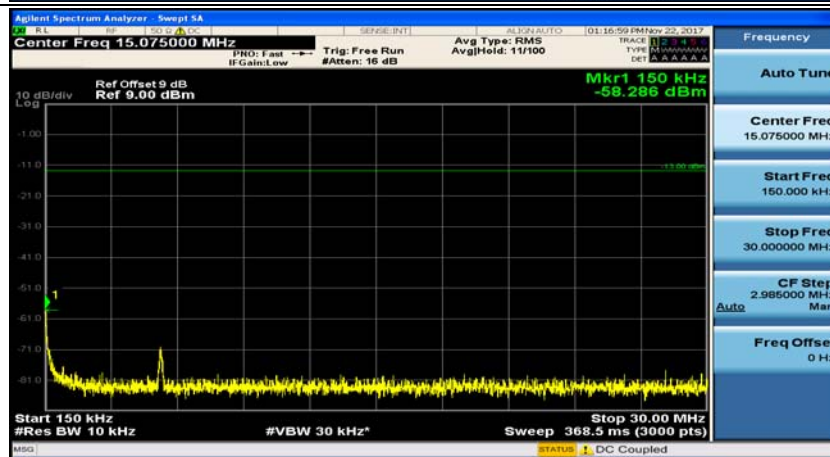


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

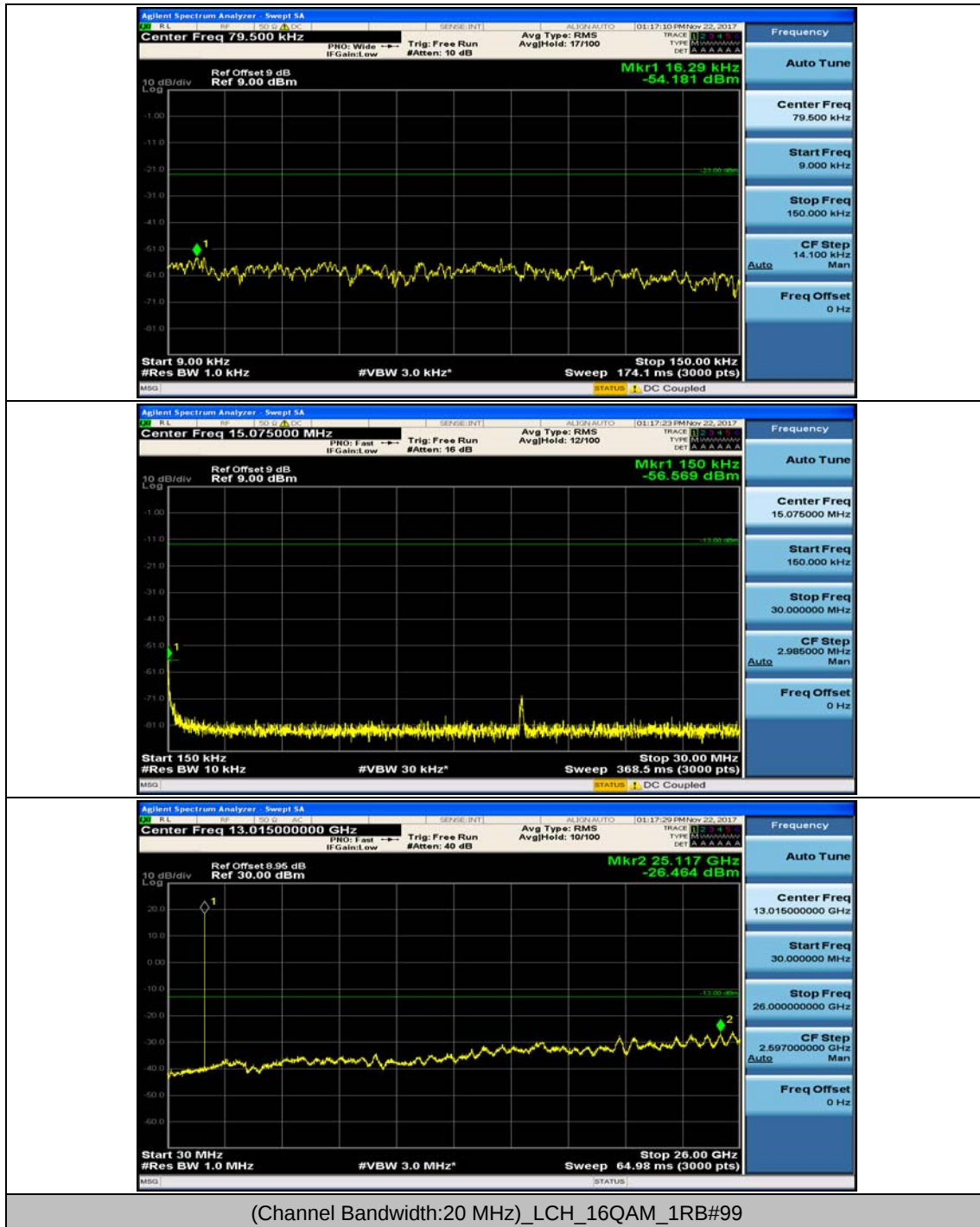


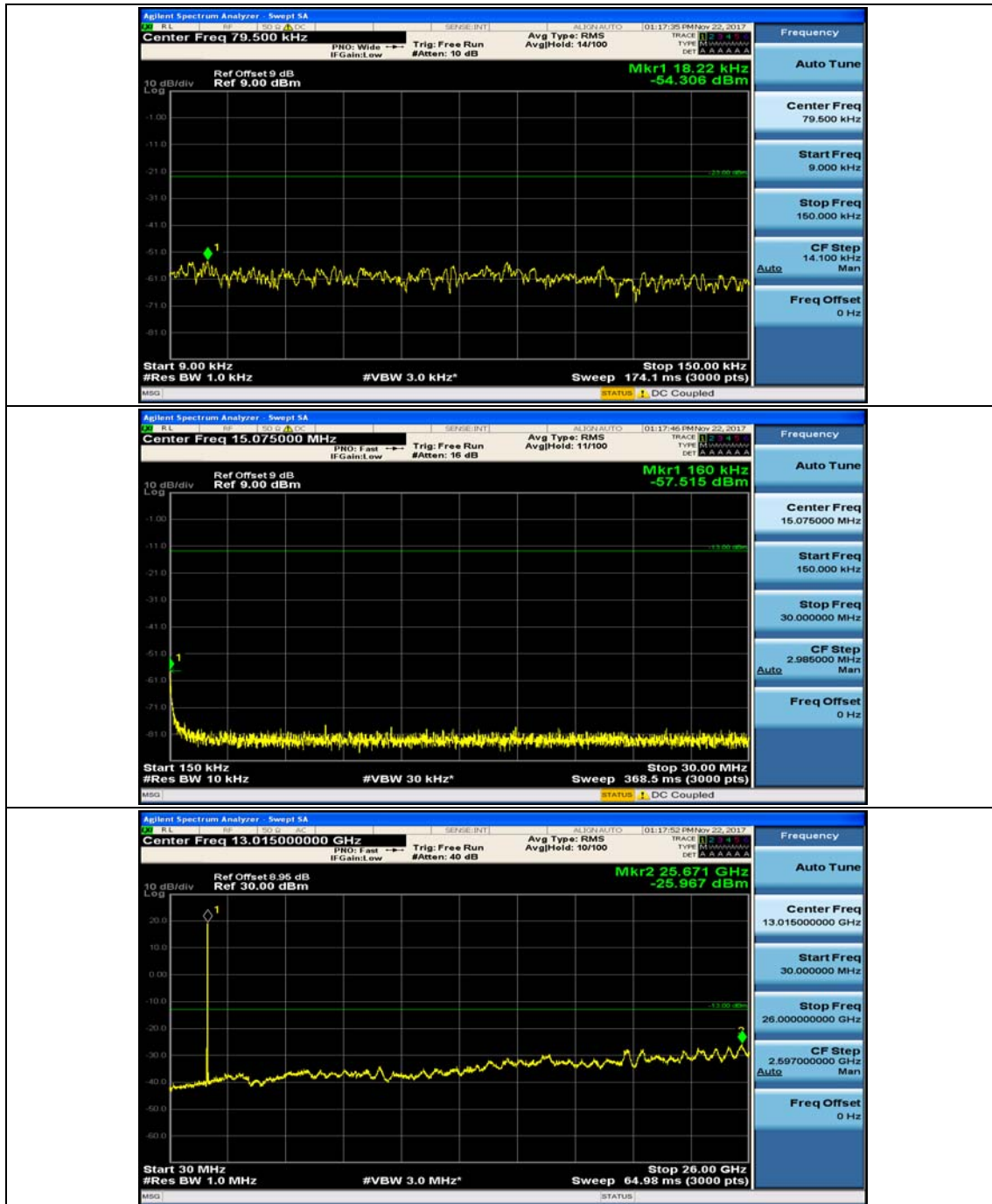


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

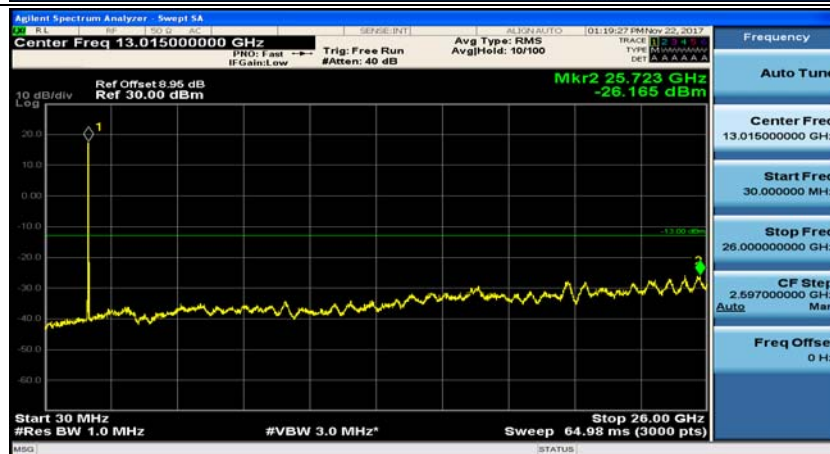
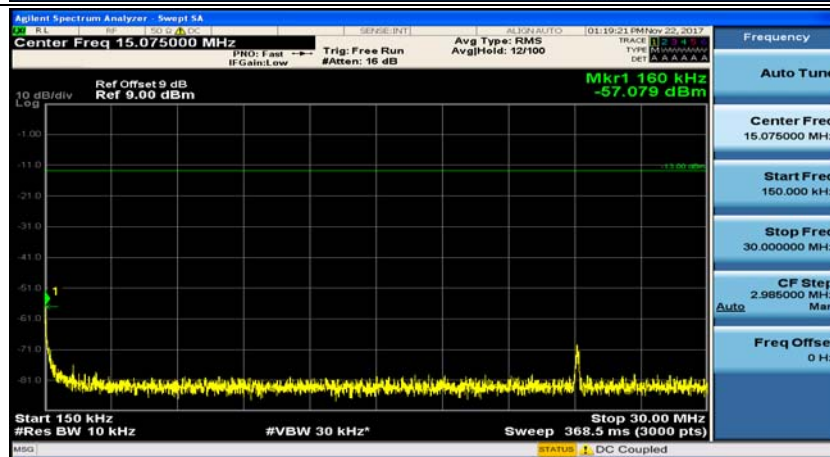


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

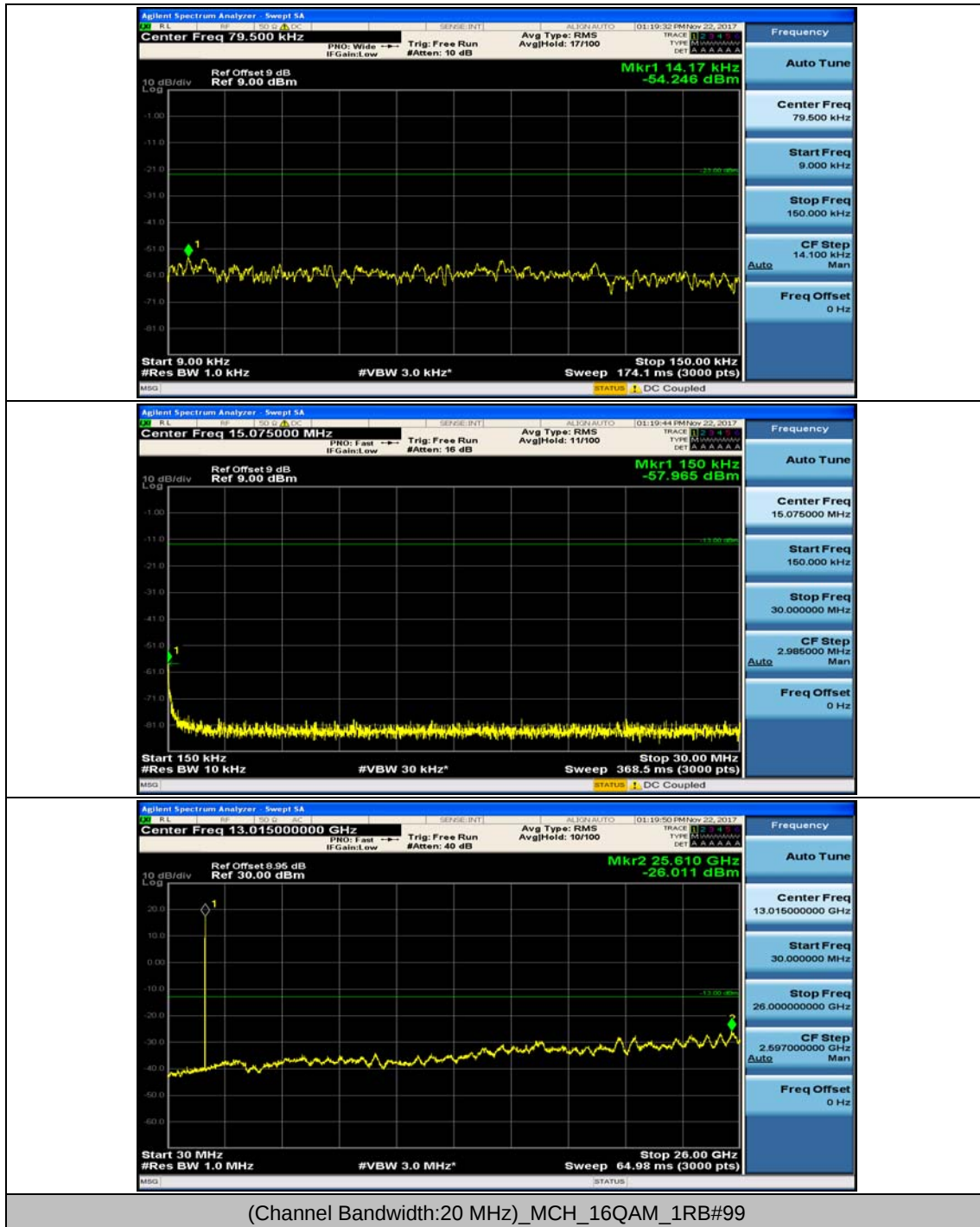


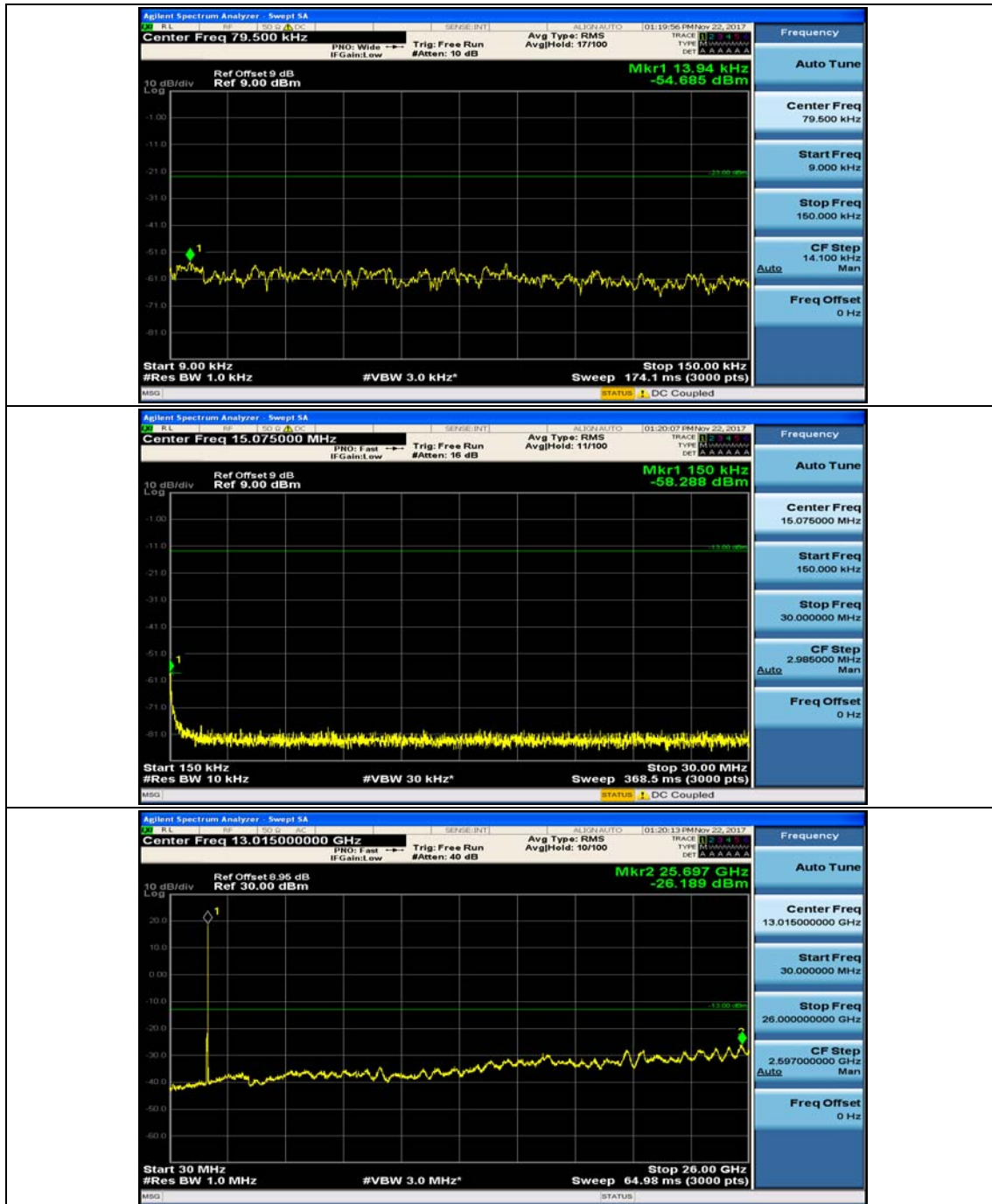


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

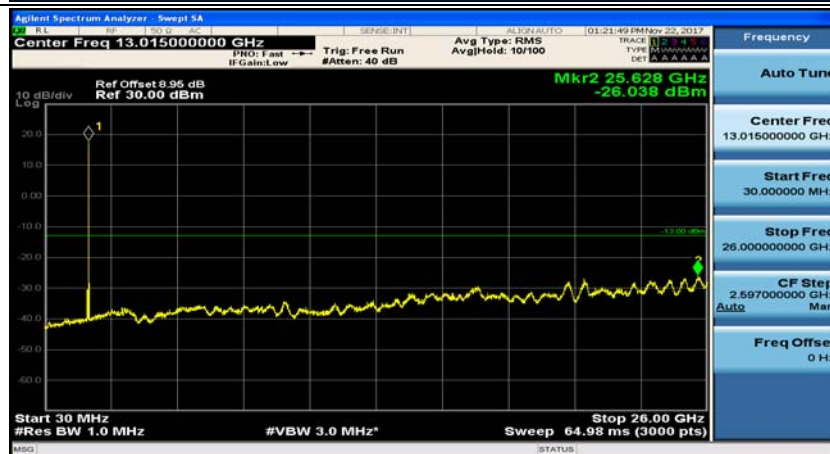
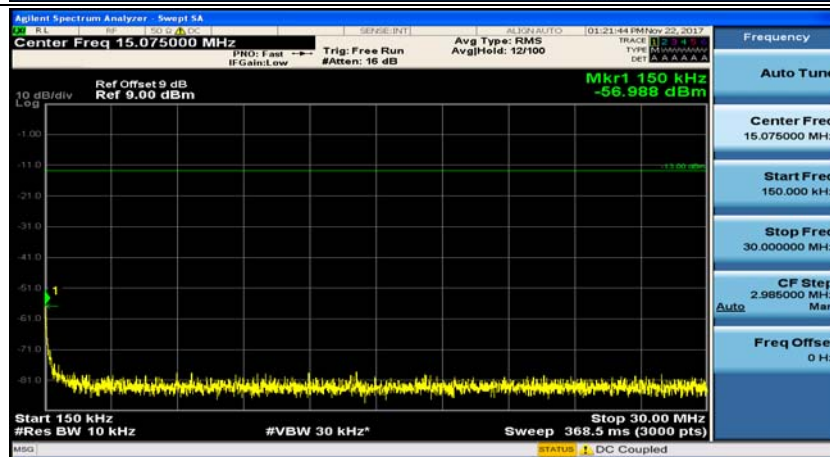
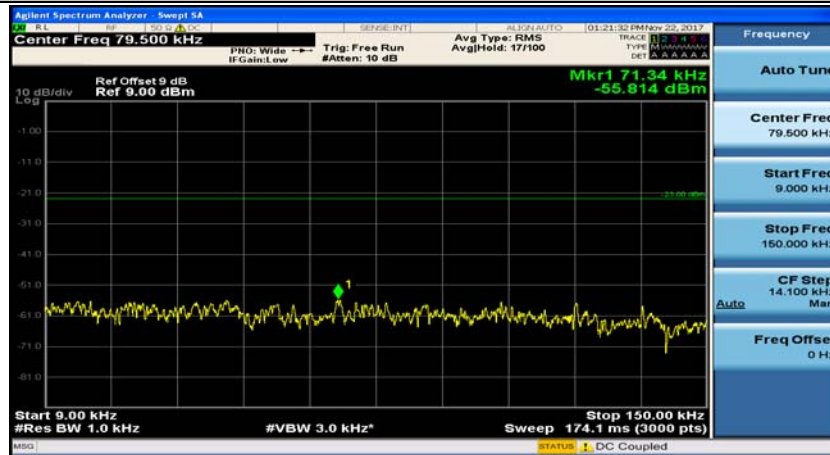


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

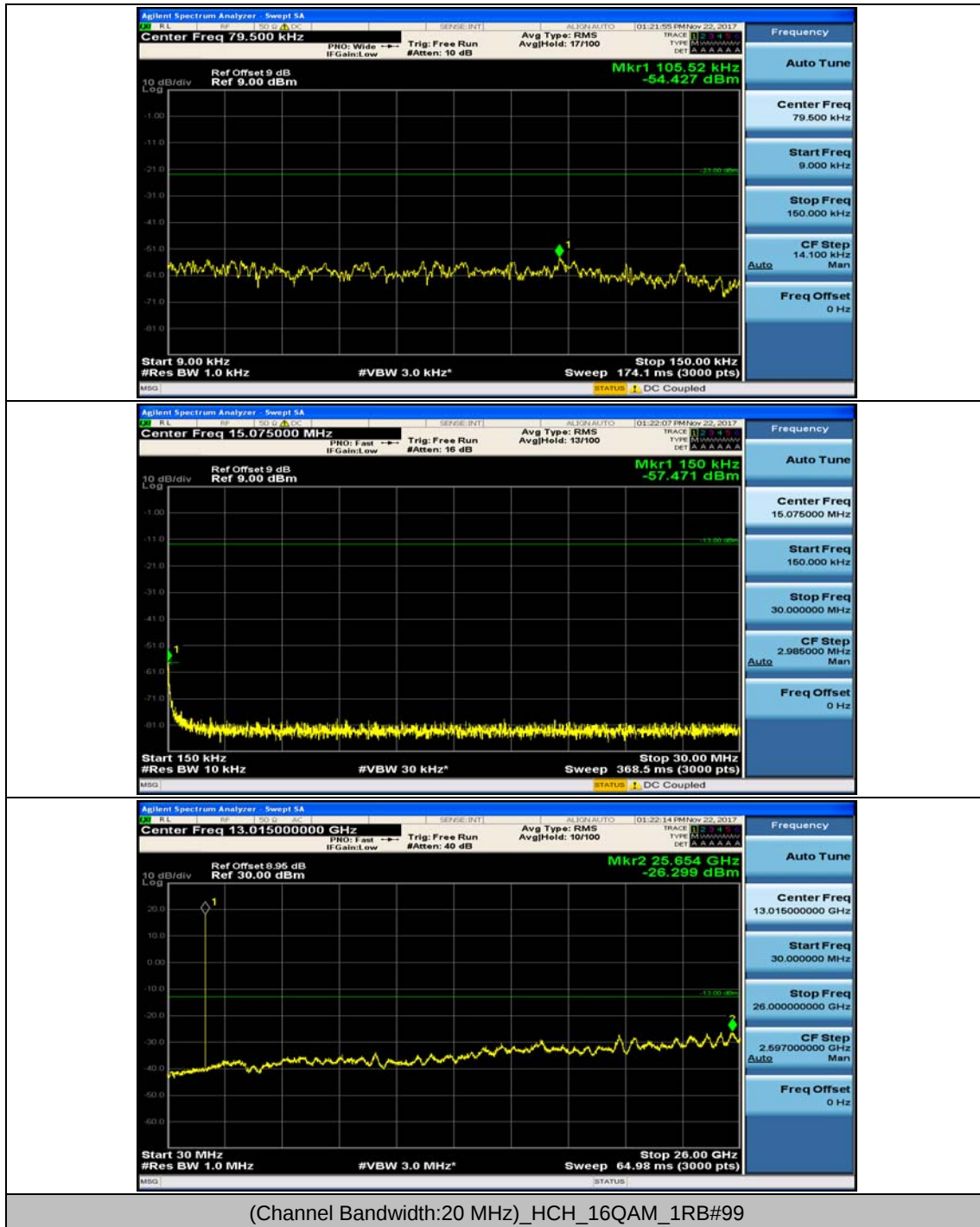


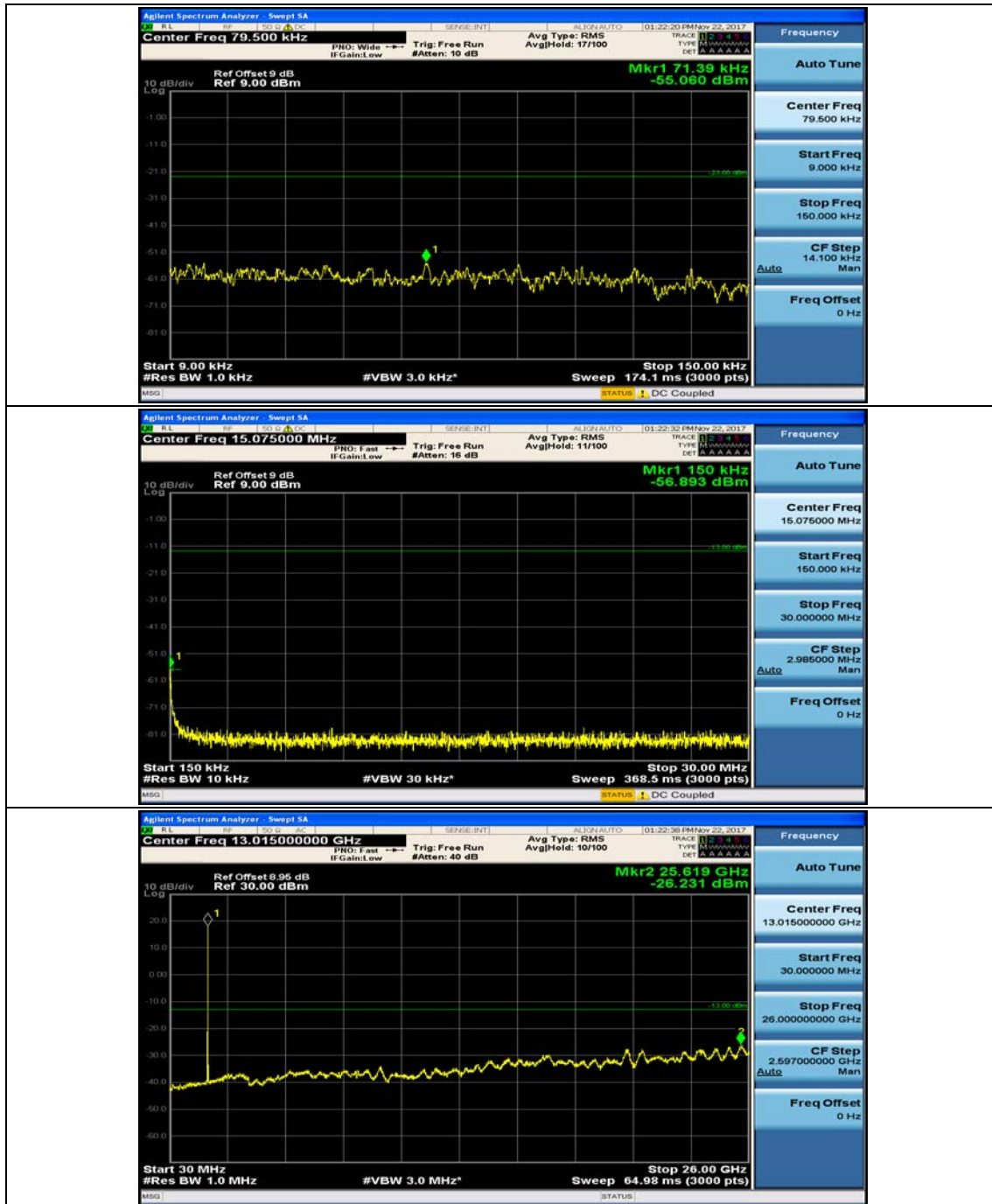


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	1.21	0.000707	± 2.5	PASS
		VN	TN	1.84	0.001076	± 2.5	PASS
		VH	TN	0.22	0.000129	± 2.5	PASS
	MCH	VL	TN	0.76	0.000439	± 2.5	PASS
		VN	TN	4.02	0.002320	± 2.5	PASS
		VH	TN	4.97	0.002869	± 2.5	PASS
	HCH	VL	TN	-0.8	-0.000456	± 2.5	PASS
		VN	TN	3.55	0.002024	± 2.5	PASS
		VH	TN	2.42	0.001379	± 2.5	PASS
16QAM	LCH	VL	TN	4.7	0.002747	± 2.5	PASS
		VN	TN	1.86	0.001087	± 2.5	PASS
		VH	TN	-1.96	-0.001146	± 2.5	PASS
	MCH	VL	TN	1.75	0.001010	± 2.5	PASS
		VN	TN	-1.07	-0.000618	± 2.5	PASS
		VH	TN	3.56	0.002055	± 2.5	PASS
	HCH	VL	TN	2.61	0.001488	± 2.5	PASS
		VN	TN	0.33	0.000188	± 2.5	PASS
		VH	TN	2.27	0.001294	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.27	0.000742	± 2.5	PASS
		VN	-20	4.8	0.002806	± 2.5	PASS
		VN	-10	1.91	0.001117	± 2.5	PASS
		VN	0	4.46	0.002607	± 2.5	PASS
		VN	10	-0.31	-0.000181	± 2.5	PASS
		VN	20	3.14	0.001836	± 2.5	PASS
		VN	30	-1.91	-0.001117	± 2.5	PASS
		VN	40	-1.19	-0.000696	± 2.5	PASS
		VN	50	-0.27	-0.000158	± 2.5	PASS
	MCH	VN	-30	0.72	0.000416	± 2.5	PASS

		VN	-20	0.99	0.000571	± 2.5	PASS
		VN	-10	0.13	0.000075	± 2.5	PASS
		VN	0	3.79	0.002188	± 2.5	PASS
		VN	10	3.92	0.002263	± 2.5	PASS
		VN	20	4.65	0.002684	± 2.5	PASS
		VN	30	-1.07	-0.000618	± 2.5	PASS
		VN	40	3.63	0.002095	± 2.5	PASS
		VN	50	4.93	0.002846	± 2.5	PASS
	HCH	VN	-30	4.7	0.002679	± 2.5	PASS
		VN	-20	-0.14	-0.000080	± 2.5	PASS
		VN	-10	3.21	0.001830	± 2.5	PASS
		VN	0	3.1	0.001767	± 2.5	PASS
		VN	10	1.37	0.000781	± 2.5	PASS
		VN	20	1.55	0.000884	± 2.5	PASS
		VN	30	4.91	0.002799	± 2.5	PASS
		VN	40	2.39	0.001362	± 2.5	PASS
		VN	50	3.63	0.002069	± 2.5	PASS
16QAM	LCH	VN	-30	2.2	0.001286	± 2.5	PASS
		VN	-20	-0.17	-0.000099	± 2.5	PASS
		VN	-10	-0.86	-0.000503	± 2.5	PASS
		VN	0	-1.83	-0.001070	± 2.5	PASS
		VN	10	0.83	0.000485	± 2.5	PASS
		VN	20	0.44	0.000257	± 2.5	PASS
		VN	30	4.91	0.002870	± 2.5	PASS
		VN	40	-0.94	-0.000549	± 2.5	PASS
		VN	50	3.49	0.002040	± 2.5	PASS
	MCH	VN	-30	-0.85	-0.000485	± 2.5	PASS
		VN	-20	0.98	0.000559	± 2.5	PASS
		VN	-10	3.67	0.002092	± 2.5	PASS
		VN	0	-0.28	-0.000160	± 2.5	PASS
		VN	10	1.75	0.000998	± 2.5	PASS
		VN	20	4.4	0.002508	± 2.5	PASS
		VN	30	0.73	0.000416	± 2.5	PASS
		VN	40	-1.17	-0.000667	± 2.5	PASS
		VN	50	2.02	0.001151	± 2.5	PASS
	HCH	VN	-30	-1.43	-0.000815	± 2.5	PASS
		VN	-20	4.29	0.002445	± 2.5	PASS
		VN	-10	-0.8	-0.000456	± 2.5	PASS
		VN	0	3.6	0.002052	± 2.5	PASS
		VN	10	3.03	0.001727	± 2.5	PASS
		VN	20	0.82	0.000467	± 2.5	PASS

		VN	30	-0.75	-0.000428	± 2.5	PASS
		VN	40	3.27	0.001864	± 2.5	PASS
		VN	50	3.03	0.001727	± 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	-1.13	-0.000660	± 2.5	PASS
		VN	TN	0.7	0.000409	± 2.5	PASS
		VH	TN	4.24	0.002477	± 2.5	PASS
	MCH	VL	TN	-0.31	-0.000179	± 2.5	PASS
		VN	TN	4.71	0.002719	± 2.5	PASS
		VH	TN	2.63	0.001518	± 2.5	PASS
	HCH	VL	TN	-1.81	-0.001032	± 2.5	PASS
		VN	TN	3.74	0.002133	± 2.5	PASS
		VH	TN	4.69	0.002675	± 2.5	PASS
16QAM	LCH	VL	TN	2.53	0.001478	± 2.5	PASS
		VN	TN	4.49	0.002623	± 2.5	PASS
		VH	TN	1.92	0.001122	± 2.5	PASS
	MCH	VL	TN	-1.99	-0.001149	± 2.5	PASS
		VN	TN	0.92	0.000531	± 2.5	PASS
		VH	TN	0.67	0.000387	± 2.5	PASS
	HCH	VL	TN	2.23	0.001272	± 2.5	PASS
		VN	TN	2.9	0.001654	± 2.5	PASS
		VH	TN	-0.81	-0.000462	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.78	0.001624	± 2.5	PASS
		VN	-20	0.66	0.000386	± 2.5	PASS
		VN	-10	3.6	0.002103	± 2.5	PASS
		VN	0	-1.96	-0.001145	± 2.5	PASS
		VN	10	1.42	0.000830	± 2.5	PASS
		VN	20	-1.13	-0.000660	± 2.5	PASS
		VN	30	1.84	0.001075	± 2.5	PASS
		VN	40	0.5	0.000292	± 2.5	PASS
		VN	50	4.48	0.002618	± 2.5	PASS
	MCH	VN	-30	4.94	0.002851	± 2.5	PASS
		VN	-20	0.36	0.000208	± 2.5	PASS

		VN	-10	4.36	0.002517	± 2.5	PASS
		VN	0	2.93	0.001691	± 2.5	PASS
		VN	10	-1.61	-0.000929	± 2.5	PASS
		VN	20	2.19	0.001264	± 2.5	PASS
		VN	30	1.7	0.000981	± 2.5	PASS
		VN	40	3.58	0.002066	± 2.5	PASS
		VN	50	0.98	0.000566	± 2.5	PASS
	HCH	VN	-30	4.39	0.002504	± 2.5	PASS
		VN	-20	0.04	0.000023	± 2.5	PASS
		VN	-10	4.63	0.002640	± 2.5	PASS
		VN	0	-1.58	-0.000901	± 2.5	PASS
		VN	10	1.05	0.000599	± 2.5	PASS
		VN	20	1.45	0.000827	± 2.5	PASS
		VN	30	-1.73	-0.000987	± 2.5	PASS
		VN	40	4.56	0.002601	± 2.5	PASS
		VN	50	4.36	0.002486	± 2.5	PASS
16QAM	LCH	VN	-30	1.9	0.001097	± 2.5	PASS
		VN	-20	-0.19	-0.000110	± 2.5	PASS
		VN	-10	3	0.001732	± 2.5	PASS
		VN	0	3.62	0.002089	± 2.5	PASS
		VN	10	3.53	0.002038	± 2.5	PASS
		VN	20	1.82	0.001051	± 2.5	PASS
		VN	30	0.61	0.000352	± 2.5	PASS
		VN	40	-1.82	-0.001051	± 2.5	PASS
		VN	50	3.83	0.002211	± 2.5	PASS
	MCH	VN	-30	2.88	0.001642	± 2.5	PASS
		VN	-20	0.98	0.000559	± 2.5	PASS
		VN	-10	0.11	0.000063	± 2.5	PASS
		VN	0	2.54	0.001449	± 2.5	PASS
		VN	10	2.31	0.001317	± 2.5	PASS
		VN	20	-0.34	-0.000194	± 2.5	PASS
		VN	30	0.15	0.000086	± 2.5	PASS
		VN	40	4.54	0.002589	± 2.5	PASS
		VN	50	3.03	0.001728	± 2.5	PASS
	HCH	VN	-30	0.32	0.000182	± 2.5	PASS
		VN	-20	0.25	0.000143	± 2.5	PASS
		VN	-10	1.5	0.000855	± 2.5	PASS
		VN	0	-0.2	-0.000114	± 2.5	PASS
		VN	10	2.28	0.001300	± 2.5	PASS
		VN	20	4.08	0.002327	± 2.5	PASS
		VN	30	3.71	0.002116	± 2.5	PASS

		VN	40	0.8	0.000456	± 2.5	PASS
		VN	50	4.82	0.002749	± 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	2.06	0.001203	± 2.5	PASS
		VN	TN	4.55	0.002657	± 2.5	PASS
		VH	TN	4.83	0.002820	± 2.5	PASS
	MCH	VL	TN	4.65	0.002684	± 2.5	PASS
		VN	TN	4.84	0.002794	± 2.5	PASS
		VH	TN	1.17	0.000675	± 2.5	PASS
	HCH	VL	TN	0.5	0.000285	± 2.5	PASS
		VN	TN	0.95	0.000542	± 2.5	PASS
		VH	TN	0.69	0.000394	± 2.5	PASS
16QAM	LCH	VL	TN	-0.56	-0.000327	± 2.5	PASS
		VN	TN	4.12	0.002406	± 2.5	PASS
		VH	TN	3.76	0.002196	± 2.5	PASS
	MCH	VL	TN	-1.21	-0.000698	± 2.5	PASS
		VN	TN	1.84	0.001062	± 2.5	PASS
		VH	TN	4.89	0.002823	± 2.5	PASS
	HCH	VL	TN	-1.93	-0.001101	± 2.5	PASS
		VN	TN	0.85	0.000485	± 2.5	PASS
		VH	TN	-0.32	-0.000183	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.37	0.001968	± 2.5	PASS
		VN	-20	2.15	0.001255	± 2.5	PASS
		VN	-10	-1.55	-0.000905	± 2.5	PASS
		VN	0	0.01	0.000006	± 2.5	PASS
		VN	10	3.26	0.001904	± 2.5	PASS
		VN	20	4.22	0.002464	± 2.5	PASS
		VN	30	-1.41	-0.000823	± 2.5	PASS
		VN	40	-0.69	-0.000403	± 2.5	PASS
		VN	50	4.9	0.002861	± 2.5	PASS
	MCH	VN	-30	-0.75	-0.000433	± 2.5	PASS
		VN	-20	-0.81	-0.000468	± 2.5	PASS
		VN	-10	2.24	0.001293	± 2.5	PASS

		VN	0	1.38	0.000797	± 2.5	PASS
		VN	10	4.3	0.002482	± 2.5	PASS
		VN	20	0.41	0.000237	± 2.5	PASS
		VN	30	-1.32	-0.000762	± 2.5	PASS
		VN	40	4.99	0.002880	± 2.5	PASS
		VN	50	0.71	0.000410	± 2.5	PASS
	HCH	VN	-30	0.33	0.000188	± 2.5	PASS
		VN	-20	0.05	0.000026	± 2.5	PASS
		VN	-10	3.73	0.001955	± 2.5	PASS
		VN	0	1.22	0.000640	± 2.5	PASS
		VN	10	-0.12	-0.000063	± 2.5	PASS
		VN	20	2.75	0.001442	± 2.5	PASS
		VN	30	3.7	0.001940	± 2.5	PASS
		VN	40	-1.91	-0.001001	± 2.5	PASS
		VN	50	1.94	0.001017	± 2.5	PASS
16QAM	LCH	VN	-30	-1.33	-0.000768	± 2.5	PASS
		VN	-20	3.75	0.002165	± 2.5	PASS
		VN	-10	4.66	0.002690	± 2.5	PASS
		VN	0	-0.04	-0.000023	± 2.5	PASS
		VN	10	-1.99	-0.001149	± 2.5	PASS
		VN	20	2.28	0.001316	± 2.5	PASS
		VN	30	-1.74	-0.001004	± 2.5	PASS
		VN	40	1.32	0.000762	± 2.5	PASS
		VN	50	3.96	0.002286	± 2.5	PASS
	MCH	VN	-30	0.25	0.000143	± 2.5	PASS
		VN	-20	4.35	0.002482	± 2.5	PASS
		VN	-10	0.54	0.000308	± 2.5	PASS
		VN	0	4.18	0.002385	± 2.5	PASS
		VN	10	4.53	0.002585	± 2.5	PASS
		VN	20	-1.83	-0.001044	± 2.5	PASS
		VN	30	2.05	0.001170	± 2.5	PASS
		VN	40	-1.93	-0.001101	± 2.5	PASS
		VN	50	1.63	0.000930	± 2.5	PASS
	HCH	VN	-30	-1.32	-0.000692	± 2.5	PASS
		VN	-20	-1.1	-0.000577	± 2.5	PASS
		VN	-10	3.98	0.002087	± 2.5	PASS
		VN	0	4.76	0.002495	± 2.5	PASS
		VN	10	0.35	0.000183	± 2.5	PASS
		VN	20	4.63	0.002427	± 2.5	PASS
		VN	30	0.57	0.000299	± 2.5	PASS
		VN	40	-1.97	-0.001033	± 2.5	PASS

		VN	50	2.62	0.001374	± 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	2.74	0.001598	± 2.5	PASS
		VN	TN	1.43	0.000834	± 2.5	PASS
		VH	TN	1.38	0.000805	± 2.5	PASS
	MCH	VL	TN	1.67	0.000964	± 2.5	PASS
		VN	TN	2.76	0.001593	± 2.5	PASS
		VH	TN	3.54	0.002043	± 2.5	PASS
	HCH	VL	TN	4.33	0.002474	± 2.5	PASS
		VN	TN	3.72	0.002126	± 2.5	PASS
		VH	TN	-1.92	-0.001097	± 2.5	PASS
16QAM	LCH	VL	TN	0.31	0.000181	± 2.5	PASS
		VN	TN	3.17	0.001848	± 2.5	PASS
		VH	TN	0.57	0.000332	± 2.5	PASS
	MCH	VL	TN	4.18	0.002413	± 2.5	PASS
		VN	TN	-1.21	-0.000698	± 2.5	PASS
		VH	TN	-0.29	-0.000167	± 2.5	PASS
	HCH	VL	TN	-0.52	-0.000297	± 2.5	PASS
		VN	TN	0.69	0.000394	± 2.5	PASS
		VH	TN	3.24	0.001851	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.51	0.001464	± 2.5	PASS
		VN	-20	4.17	0.002431	± 2.5	PASS
		VN	-10	0.06	0.000035	± 2.5	PASS
		VN	0	-0.24	-0.000140	± 2.5	PASS
		VN	10	1.49	0.000869	± 2.5	PASS
		VN	20	0.39	0.000227	± 2.5	PASS
		VN	30	-0.6	-0.000350	± 2.5	PASS
		VN	40	0.66	0.000385	± 2.5	PASS
		VN	50	3.92	0.002286	± 2.5	PASS
	MCH	VN	-30	0.68	0.000392	± 2.5	PASS
		VN	-20	0.88	0.000508	± 2.5	PASS
		VN	-10	-0.53	-0.000306	± 2.5	PASS
		VN	0	-1.04	-0.000600	± 2.5	PASS

		VN	10	-0.03	-0.000017	± 2.5	PASS
		VN	20	1.47	0.000848	± 2.5	PASS
		VN	30	1.53	0.000883	± 2.5	PASS
		VN	40	4.23	0.002442	± 2.5	PASS
		VN	50	-0.88	-0.000508	± 2.5	PASS
	HCH	VN	-30	1.54	0.000880	± 2.5	PASS
		VN	-20	2.31	0.001320	± 2.5	PASS
		VN	-10	2.67	0.001526	± 2.5	PASS
		VN	0	-1.77	-0.001011	± 2.5	PASS
		VN	10	3.34	0.001909	± 2.5	PASS
		VN	20	-0.93	-0.000531	± 2.5	PASS
		VN	30	3.09	0.001766	± 2.5	PASS
		VN	40	3.93	0.002246	± 2.5	PASS
		VN	50	-1.29	-0.000737	± 2.5	PASS
		VN	-30	4.6	0.002655	± 2.5	PASS
16QAM	LCH	VN	-20	1.76	0.001016	± 2.5	PASS
		VN	-10	-0.04	-0.000023	± 2.5	PASS
		VN	0	3.92	0.002263	± 2.5	PASS
		VN	10	1.47	0.000848	± 2.5	PASS
		VN	20	-1.13	-0.000652	± 2.5	PASS
		VN	30	-0.01	-0.000006	± 2.5	PASS
		VN	40	1.51	0.000872	± 2.5	PASS
		VN	50	3.13	0.001807	± 2.5	PASS
	MCH	VN	-30	-0.34	-0.000194	± 2.5	PASS
		VN	-20	-1.47	-0.000840	± 2.5	PASS
		VN	-10	-0.75	-0.000429	± 2.5	PASS
		VN	0	2.21	0.001263	± 2.5	PASS
		VN	10	4.44	0.002537	± 2.5	PASS
		VN	20	4.06	0.002320	± 2.5	PASS
		VN	30	0.38	0.000217	± 2.5	PASS
		VN	40	-0.37	-0.000211	± 2.5	PASS
		VN	50	-0.83	-0.000474	± 2.5	PASS
	HCH	VN	-30	0.57	0.000326	± 2.5	PASS
		VN	-20	4.5	0.002571	± 2.5	PASS
		VN	-10	0.34	0.000194	± 2.5	PASS
		VN	0	0.5	0.000286	± 2.5	PASS
		VN	10	0.01	0.000006	± 2.5	PASS
		VN	20	1.54	0.000880	± 2.5	PASS
		VN	30	-1.46	-0.000834	± 2.5	PASS
		VN	40	4.1	0.002343	± 2.5	PASS
		VN	50	-1.21	-0.000691	± 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	3.35	0.001951	± 2.5	PASS
		VN	TN	-1.05	-0.000611	± 2.5	PASS
		VH	TN	1.64	0.000955	± 2.5	PASS
	MCH	VL	TN	-1.02	-0.000589	± 2.5	PASS
		VN	TN	4.12	0.002378	± 2.5	PASS
		VH	TN	-1.7	-0.000981	± 2.5	PASS
	HCH	VL	TN	1.55	0.000887	± 2.5	PASS
		VN	TN	-1.65	-0.000944	± 2.5	PASS
		VH	TN	-1.52	-0.000870	± 2.5	PASS
16QAM	LCH	VL	TN	-0.18	-0.000105	± 2.5	PASS
		VN	TN	1.06	0.000617	± 2.5	PASS
		VH	TN	3.68	0.002143	± 2.5	PASS
	MCH	VL	TN	3.72	0.002147	± 2.5	PASS
		VN	TN	4.77	0.002753	± 2.5	PASS
		VH	TN	4.59	0.002649	± 2.5	PASS
	HCH	VL	TN	4.33	0.002478	± 2.5	PASS
		VN	TN	0.92	0.000526	± 2.5	PASS
		VH	TN	2.81	0.001608	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.09	0.002381	± 2.5	PASS
		VN	-20	2.3	0.001339	± 2.5	PASS
		VN	-10	2.82	0.001642	± 2.5	PASS
		VN	0	2.94	0.001712	± 2.5	PASS
		VN	10	1.45	0.000844	± 2.5	PASS
		VN	20	2.82	0.001642	± 2.5	PASS
		VN	30	0.07	0.000041	± 2.5	PASS
		VN	40	-0.73	-0.000425	± 2.5	PASS
		VN	50	-0.83	-0.000483	± 2.5	PASS
	MCH	VN	-30	5	0.002886	± 2.5	PASS
		VN	-20	-0.6	-0.000346	± 2.5	PASS
		VN	-10	1.94	0.001120	± 2.5	PASS
		VN	0	4.8	0.002771	± 2.5	PASS
		VN	10	-0.83	-0.000479	± 2.5	PASS
		VN	20	3.87	0.002234	± 2.5	PASS

		VN	30	1.28	0.000739	± 2.5	PASS
		VN	40	-0.18	-0.000104	± 2.5	PASS
		VN	50	-0.02	-0.000012	± 2.5	PASS
	HCH	VN	-30	-1.53	-0.000876	± 2.5	PASS
		VN	-20	3.27	0.001871	± 2.5	PASS
		VN	-10	-1.1	-0.000629	± 2.5	PASS
		VN	0	-1.56	-0.000893	± 2.5	PASS
		VN	10	-0.09	-0.000052	± 2.5	PASS
		VN	20	-0.82	-0.000469	± 2.5	PASS
		VN	30	4.36	0.002495	± 2.5	PASS
		VN	40	4.59	0.002627	± 2.5	PASS
		VN	50	2.58	0.001476	± 2.5	PASS
16QAM	LCH	VN	-30	0.63	0.000364	± 2.5	PASS
		VN	-20	2.39	0.001380	± 2.5	PASS
		VN	-10	3.65	0.002107	± 2.5	PASS
		VN	0	0.29	0.000167	± 2.5	PASS
		VN	10	-1.81	-0.001045	± 2.5	PASS
		VN	20	3.65	0.002107	± 2.5	PASS
		VN	30	2.94	0.001697	± 2.5	PASS
		VN	40	3.86	0.002228	± 2.5	PASS
		VN	50	-1.61	-0.000929	± 2.5	PASS
	MCH	VN	-30	4.73	0.002707	± 2.5	PASS
		VN	-20	-1.64	-0.000938	± 2.5	PASS
		VN	-10	4.45	0.002546	± 2.5	PASS
		VN	0	2.56	0.001465	± 2.5	PASS
		VN	10	-0.53	-0.000303	± 2.5	PASS
		VN	20	3.16	0.001808	± 2.5	PASS
		VN	30	-0.75	-0.000429	± 2.5	PASS
		VN	40	2.63	0.001505	± 2.5	PASS
		VN	50	4.47	0.002558	± 2.5	PASS
	HCH	VN	-30	4.23	0.002421	± 2.5	PASS
		VN	-20	3.05	0.001745	± 2.5	PASS
		VN	-10	1.24	0.000710	± 2.5	PASS
		VN	0	0.22	0.000126	± 2.5	PASS
		VN	10	-1.77	-0.001013	± 2.5	PASS
		VN	20	-1.95	-0.001116	± 2.5	PASS
		VN	30	4.54	0.002598	± 2.5	PASS
		VN	40	0.22	0.000126	± 2.5	PASS
		VN	50	3.07	0.001757	± 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	3.43	0.001994	± 2.5	PASS
		VN	TN	2.61	0.001517	± 2.5	PASS
		VH	TN	2.3	0.001337	± 2.5	PASS
	MCH	VL	TN	3.07	0.001772	± 2.5	PASS
		VN	TN	3.36	0.001939	± 2.5	PASS
		VH	TN	-0.37	-0.000214	± 2.5	PASS
	HCH	VL	TN	-1.87	-0.001072	± 2.5	PASS
		VN	TN	4.46	0.002556	± 2.5	PASS
		VH	TN	2.91	0.001668	± 2.5	PASS
16QAM	LCH	VL	TN	3.9	0.002267	± 2.5	PASS
		VN	TN	1.51	0.000878	± 2.5	PASS
		VH	TN	4.25	0.002471	± 2.5	PASS
	MCH	VL	TN	2.53	0.001460	± 2.5	PASS
		VN	TN	4.88	0.002817	± 2.5	PASS
		VH	TN	4.8	0.002771	± 2.5	PASS
	HCH	VL	TN	4.45	0.002550	± 2.5	PASS
		VN	TN	1.5	0.000860	± 2.5	PASS
		VH	TN	-1.71	-0.000980	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.37	-0.000797	± 2.5	PASS
		VN	-20	3.14	0.001826	± 2.5	PASS
		VN	-10	1.9	0.001105	± 2.5	PASS
		VN	0	-1.58	-0.000919	± 2.5	PASS
		VN	10	0.2	0.000116	± 2.5	PASS
		VN	20	-1.55	-0.000901	± 2.5	PASS
		VN	30	1.78	0.001035	± 2.5	PASS
		VN	40	-0.09	-0.000052	± 2.5	PASS
		VN	50	-0.48	-0.000279	± 2.5	PASS
	MCH	VN	-30	0.06	0.000035	± 2.5	PASS
		VN	-20	3.16	0.001824	± 2.5	PASS
		VN	-10	4.32	0.002494	± 2.5	PASS
		VN	0	1.18	0.000681	± 2.5	PASS
		VN	10	-1.57	-0.000906	± 2.5	PASS
		VN	20	-0.53	-0.000306	± 2.5	PASS

		VN	30	-0.36	-0.000208	± 2.5	PASS
		VN	40	2.83	0.001633	± 2.5	PASS
		VN	50	3.5	0.002020	± 2.5	PASS
	HCH	VN	-30	4.03	0.002309	± 2.5	PASS
		VN	-20	3.97	0.002275	± 2.5	PASS
		VN	-10	4.13	0.002367	± 2.5	PASS
		VN	0	-0.02	-0.000011	± 2.5	PASS
		VN	10	0.22	0.000126	± 2.5	PASS
		VN	20	-0.92	-0.000527	± 2.5	PASS
		VN	30	2.63	0.001507	± 2.5	PASS
		VN	40	4.66	0.002670	± 2.5	PASS
		VN	50	3.83	0.002195	± 2.5	PASS
16QAM	LCH	VN	-30	4.04	0.002332	± 2.5	PASS
		VN	-20	0.1	0.000058	± 2.5	PASS
		VN	-10	-1.78	-0.001027	± 2.5	PASS
		VN	0	1.88	0.001085	± 2.5	PASS
		VN	10	2.18	0.001258	± 2.5	PASS
		VN	20	4.83	0.002788	± 2.5	PASS
		VN	30	2.55	0.001472	± 2.5	PASS
		VN	40	0.08	0.000046	± 2.5	PASS
		VN	50	0.2	0.000115	± 2.5	PASS
	MCH	VN	-30	2.47	0.001415	± 2.5	PASS
		VN	-20	-1.61	-0.000923	± 2.5	PASS
		VN	-10	1.67	0.000957	± 2.5	PASS
		VN	0	-1.08	-0.000619	± 2.5	PASS
		VN	10	2.64	0.001513	± 2.5	PASS
		VN	20	3.38	0.001937	± 2.5	PASS
		VN	30	2.94	0.001685	± 2.5	PASS
		VN	40	1.38	0.000791	± 2.5	PASS
		VN	50	4.44	0.002544	± 2.5	PASS
	HCH	VN	-30	3.02	0.001731	± 2.5	PASS
		VN	-20	2.44	0.001398	± 2.5	PASS
		VN	-10	3.95	0.002264	± 2.5	PASS
		VN	0	2.48	0.001421	± 2.5	PASS
		VN	10	-0.42	-0.000241	± 2.5	PASS
		VN	20	1.26	0.000722	± 2.5	PASS
		VN	30	2.9	0.001662	± 2.5	PASS
		VN	40	2.86	0.001639	± 2.5	PASS
		VN	50	1.91	0.001095	± 2.5	PASS