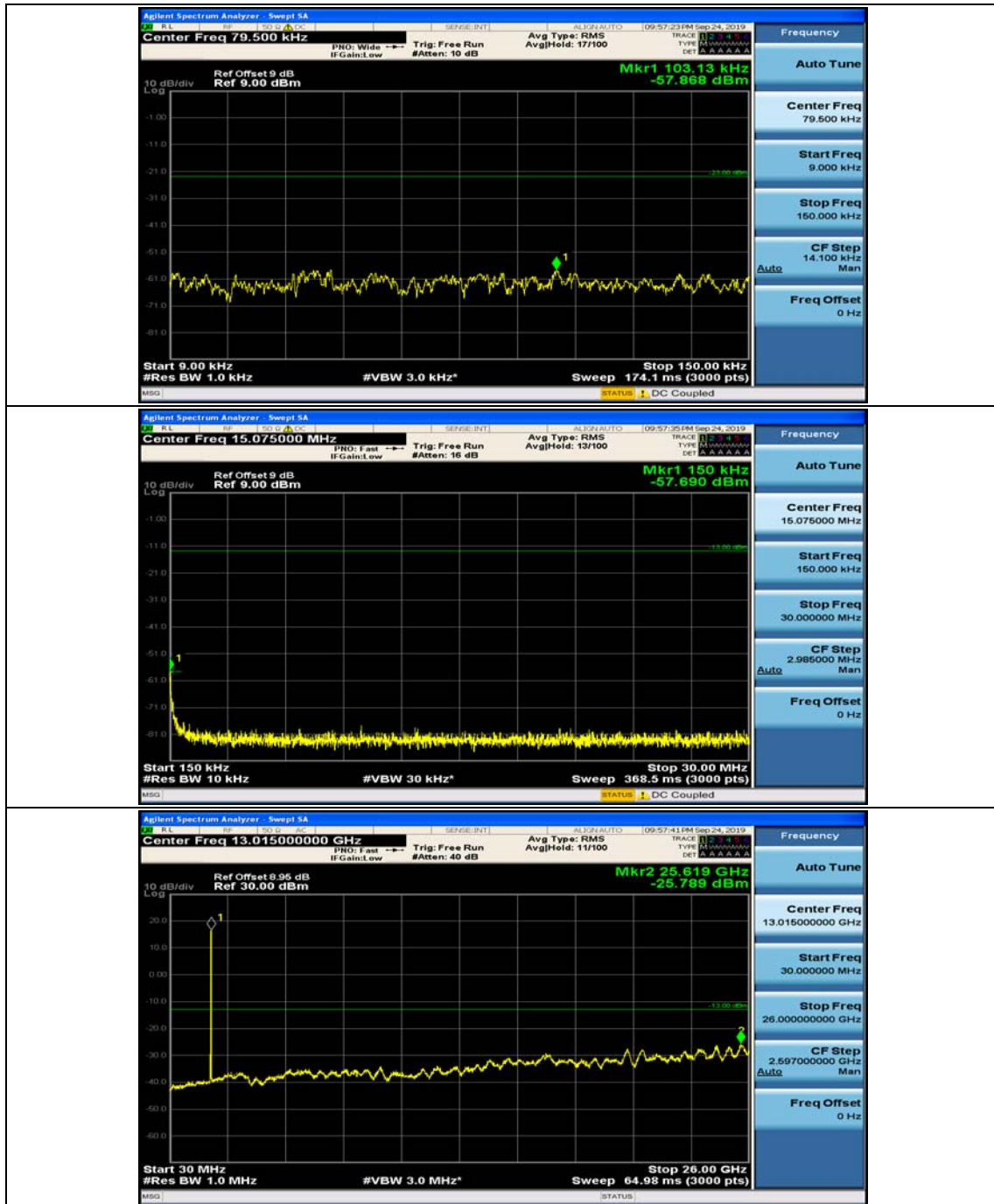
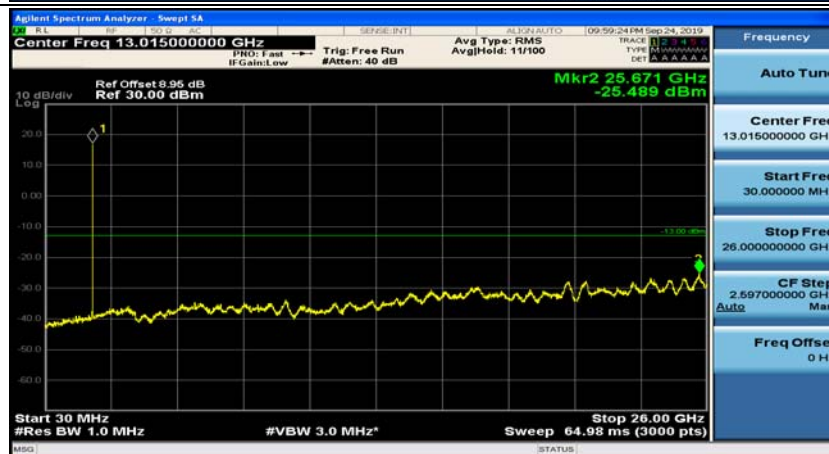
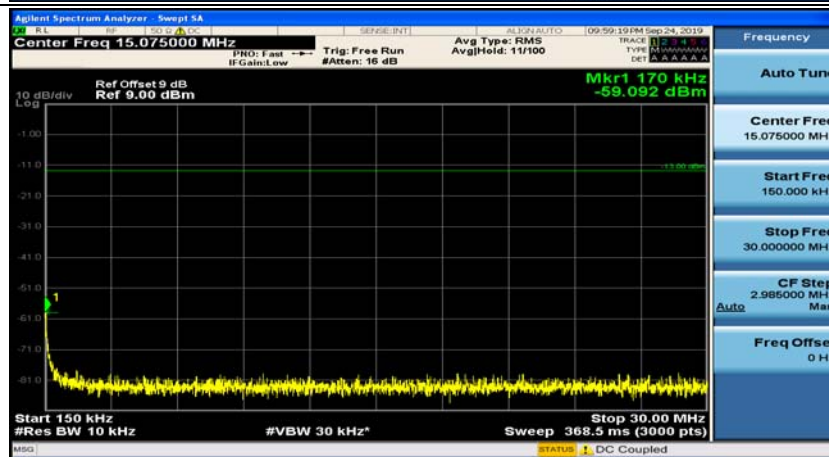
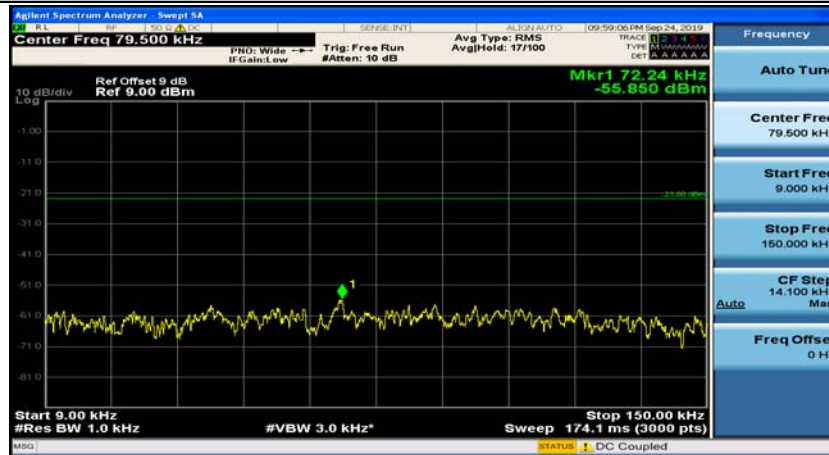
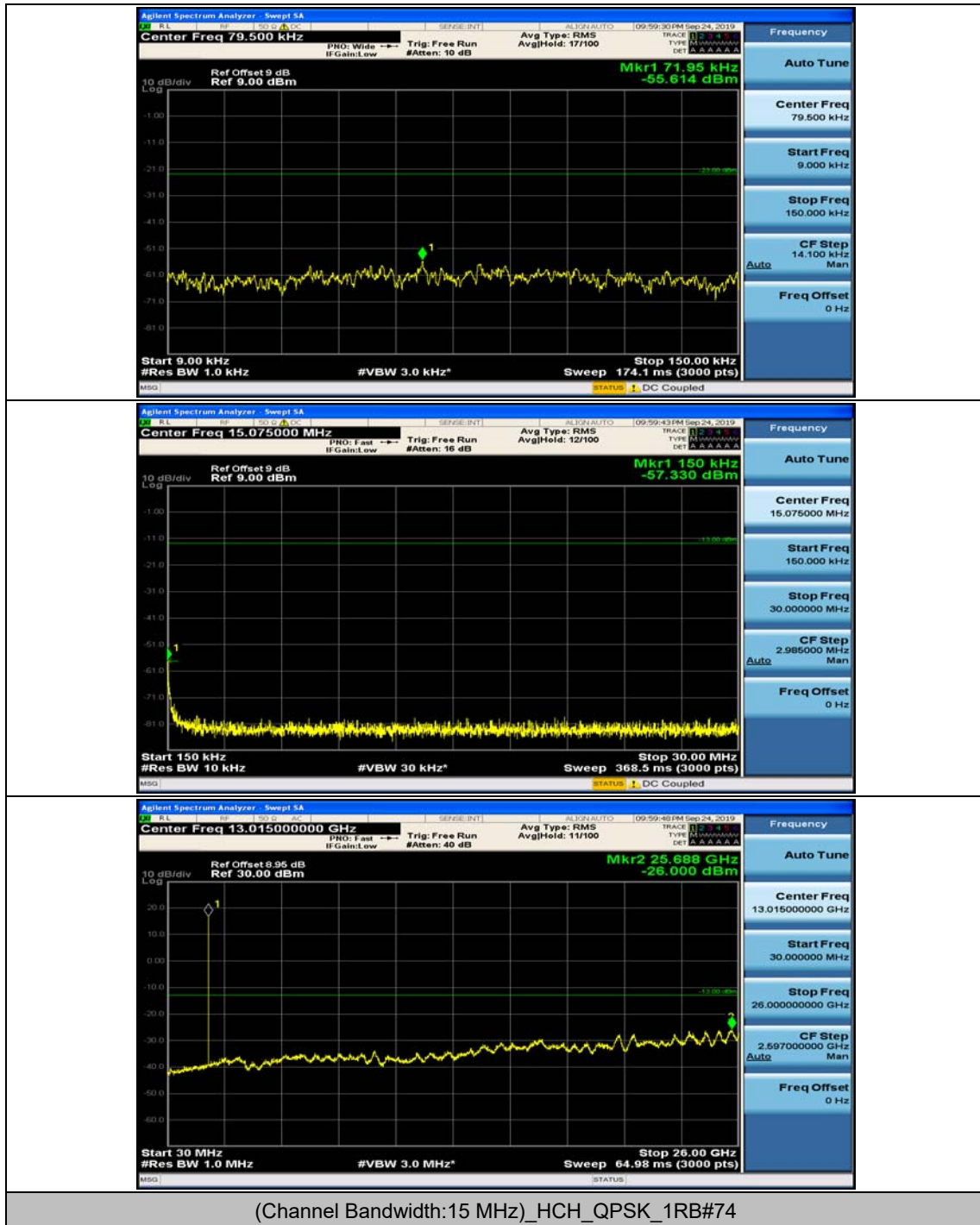


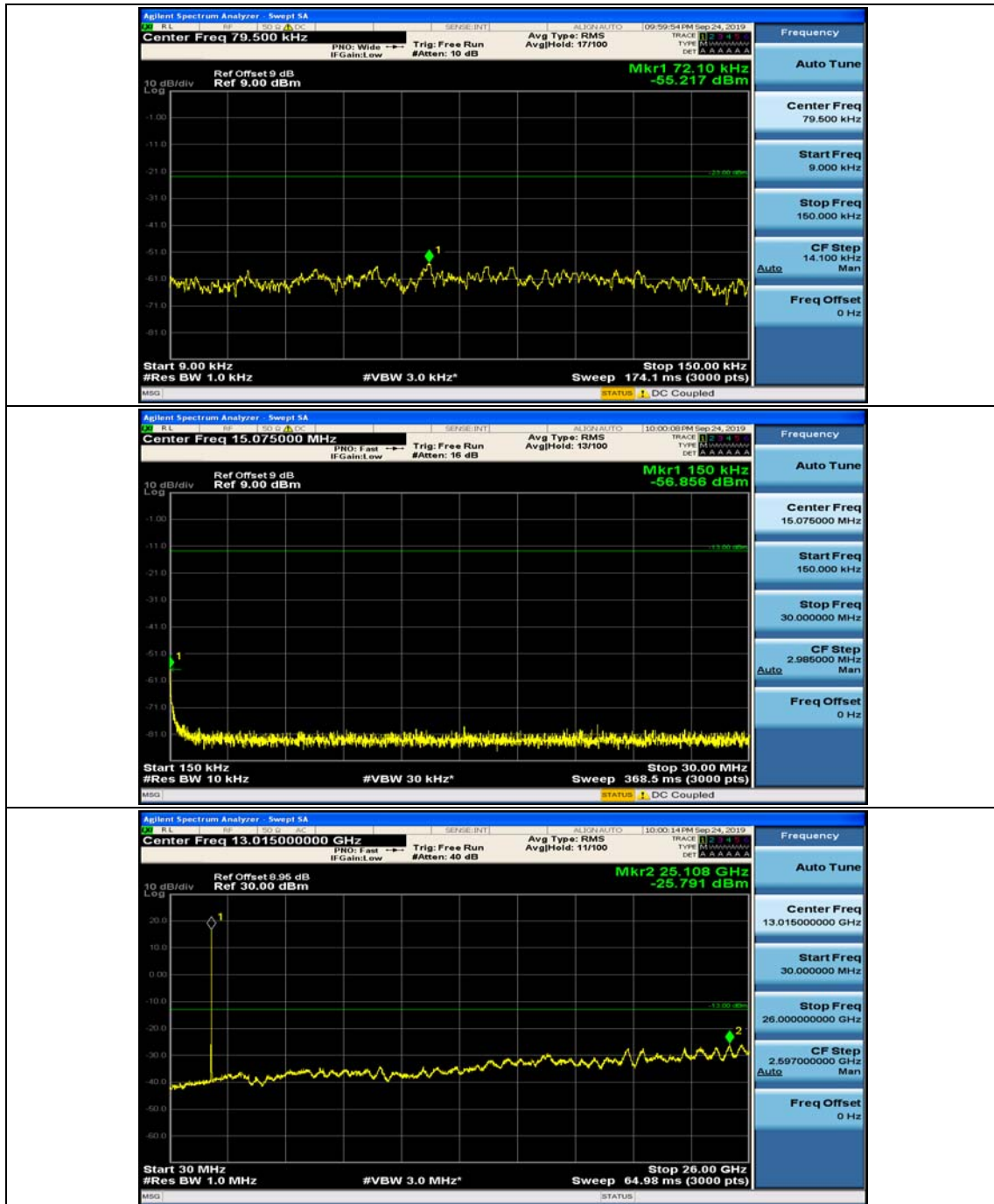


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

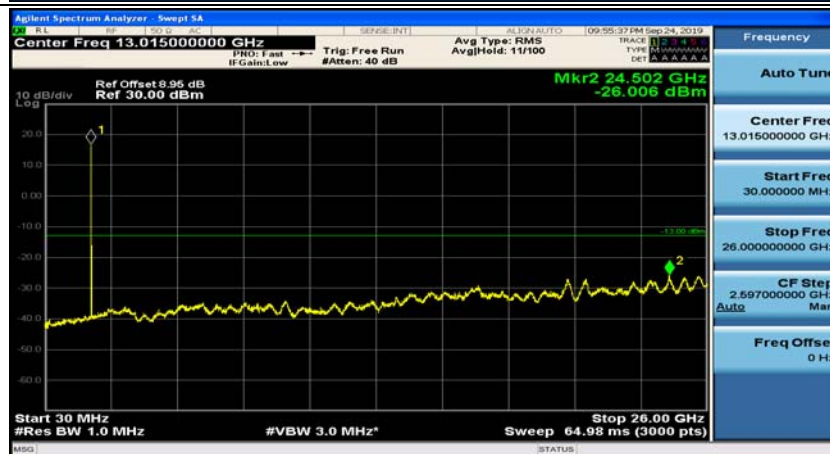
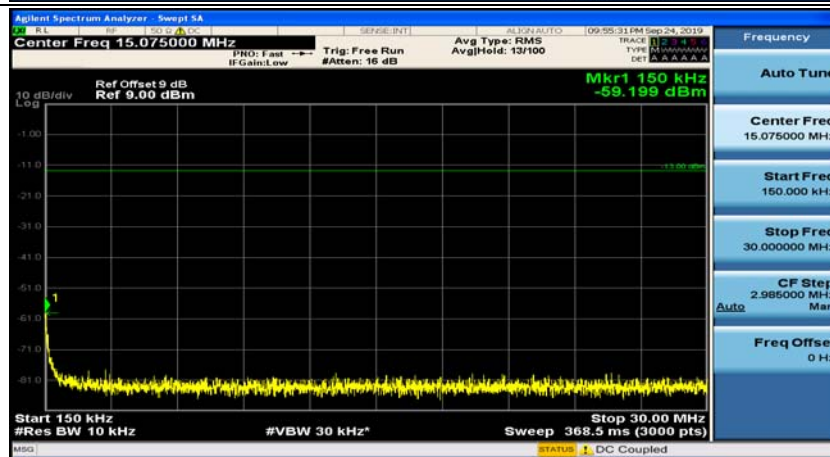


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

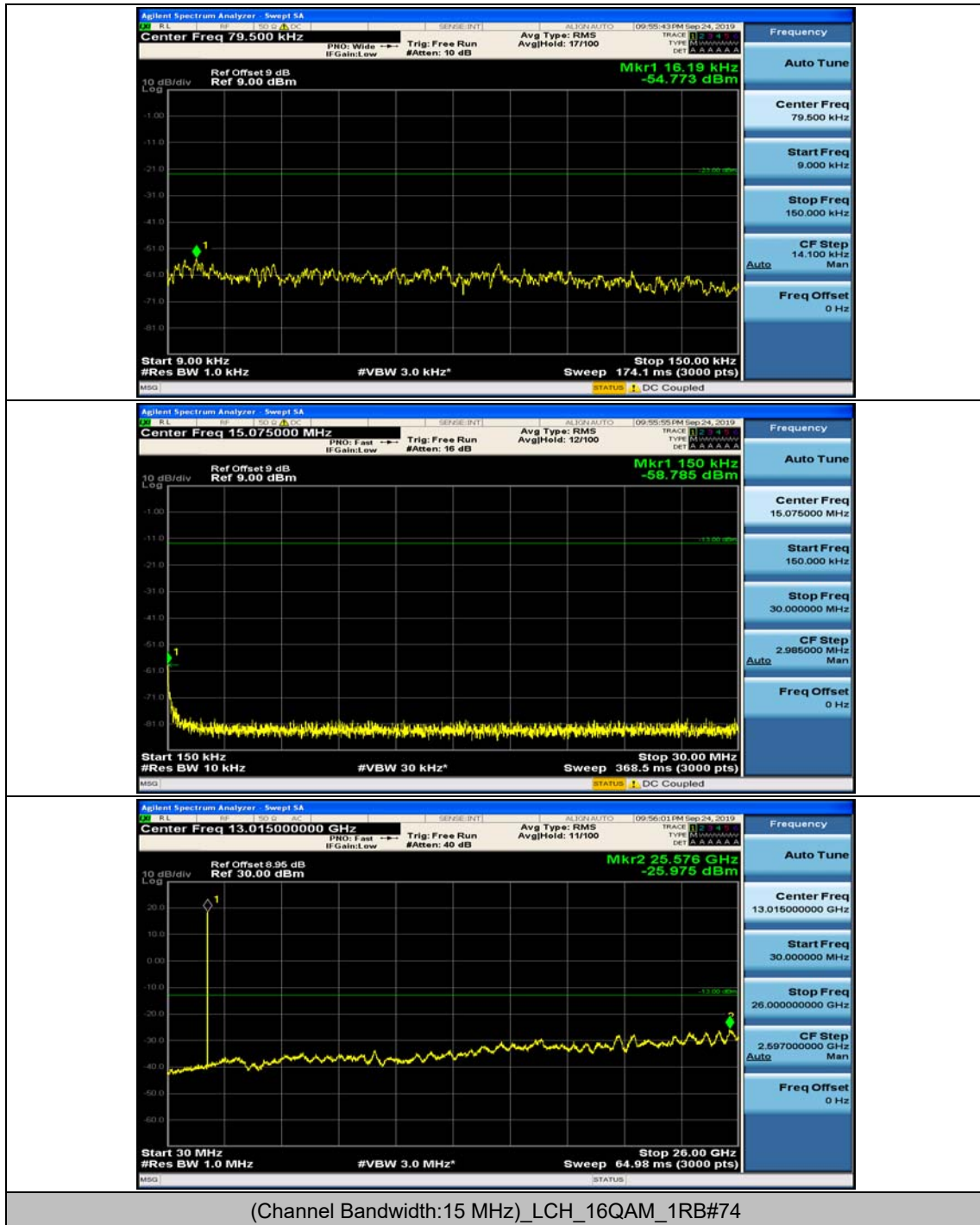


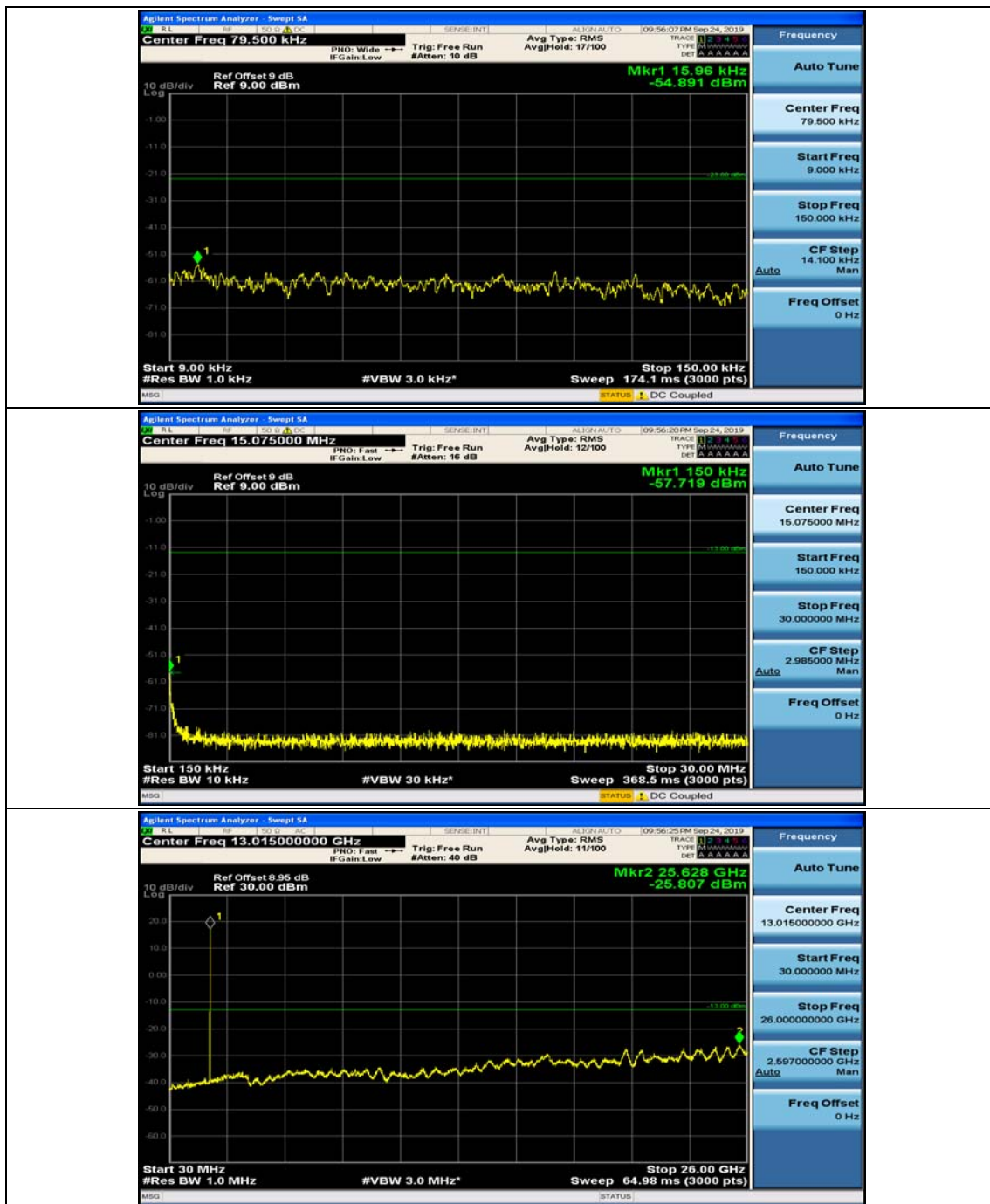


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

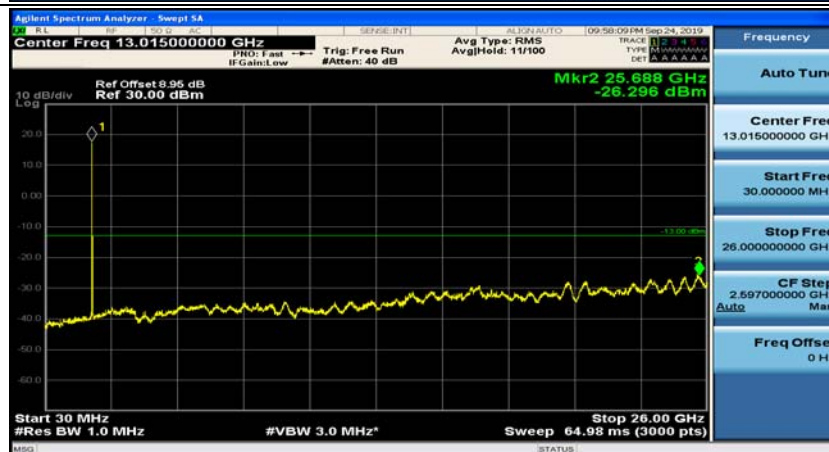
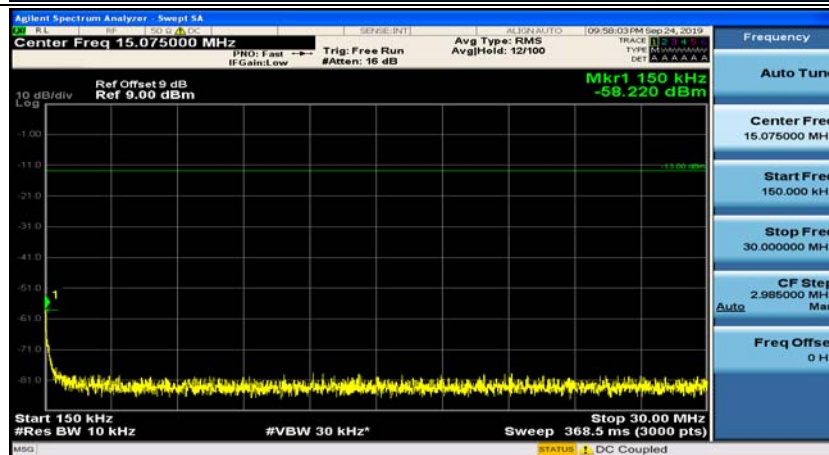
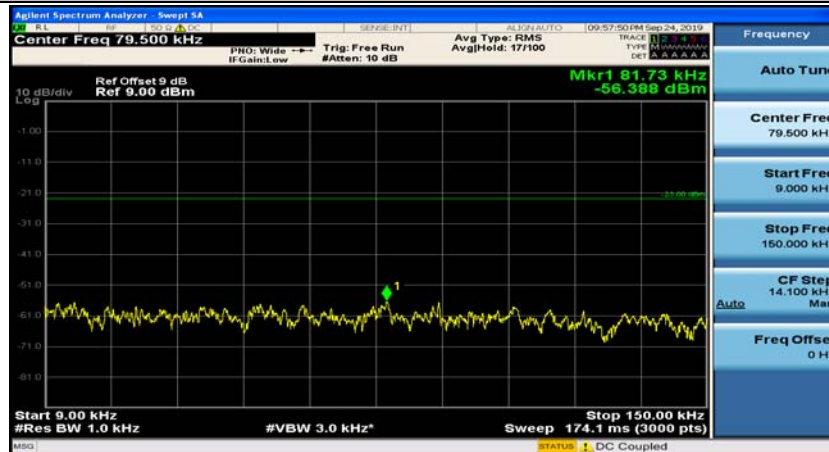


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

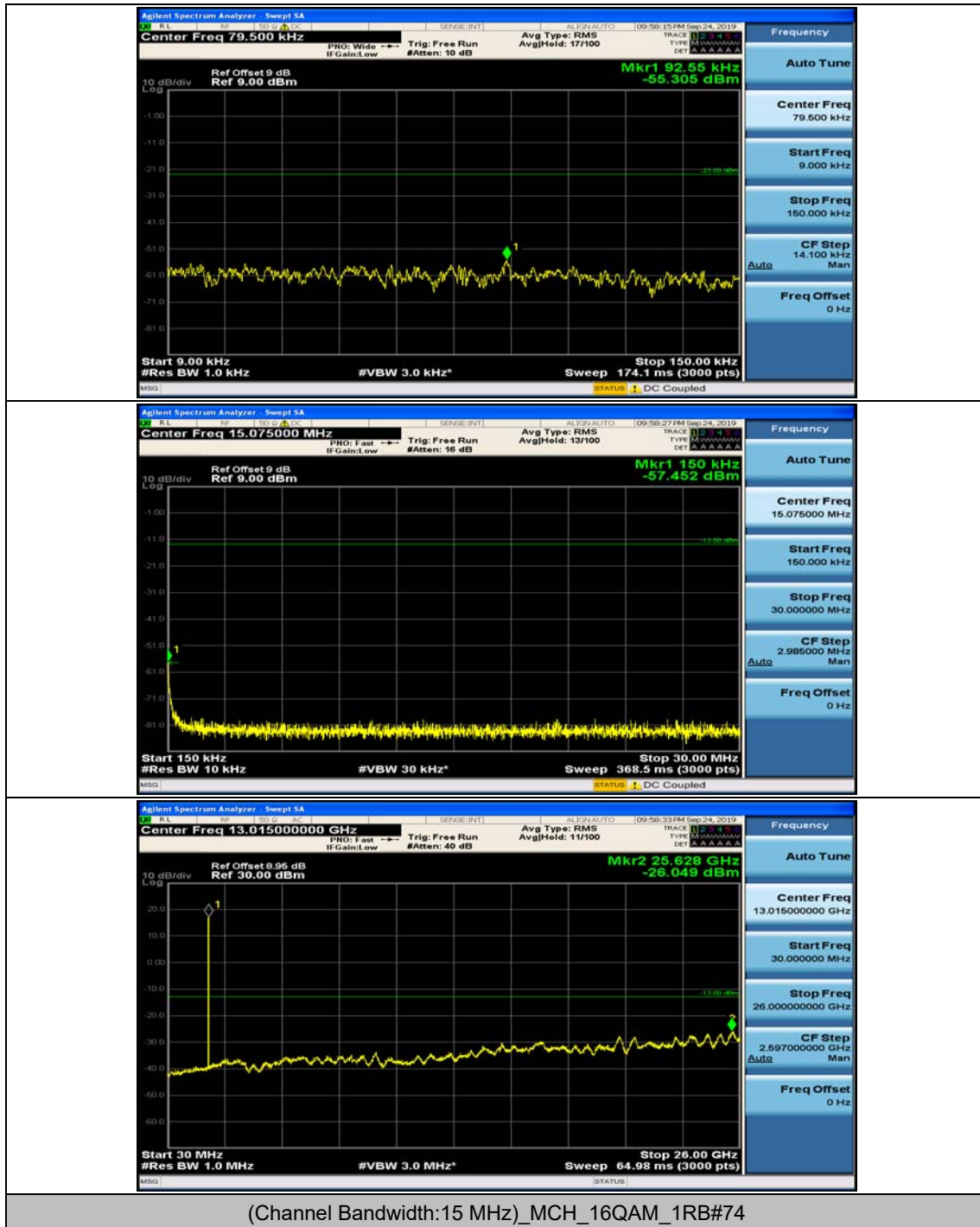


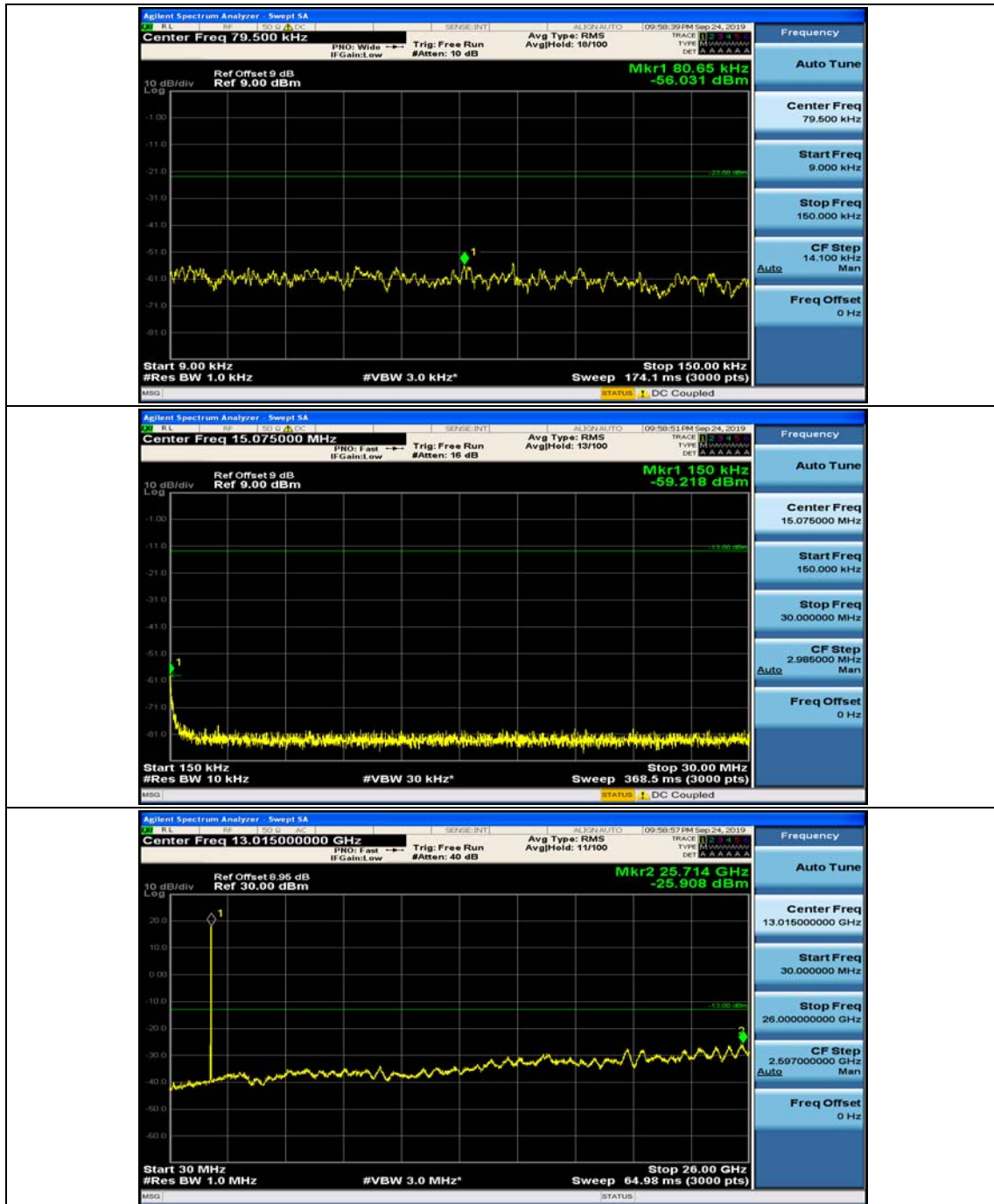


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

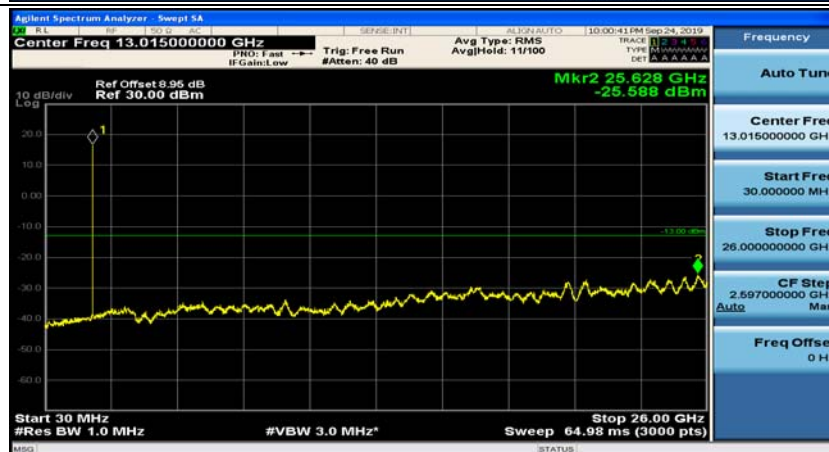
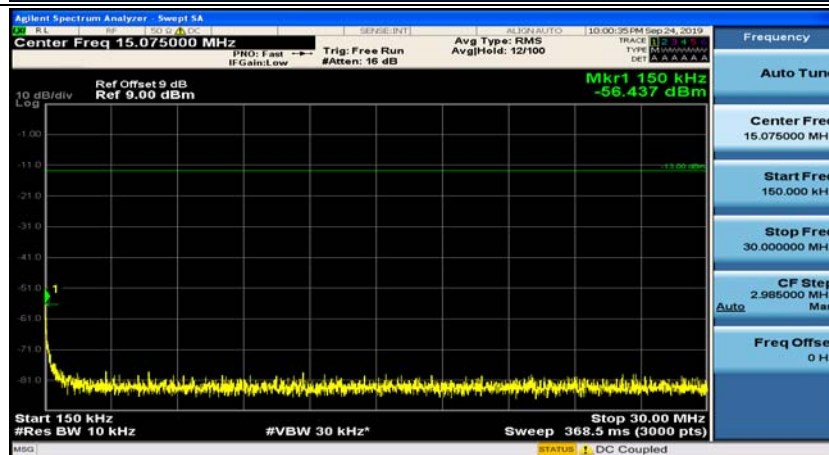
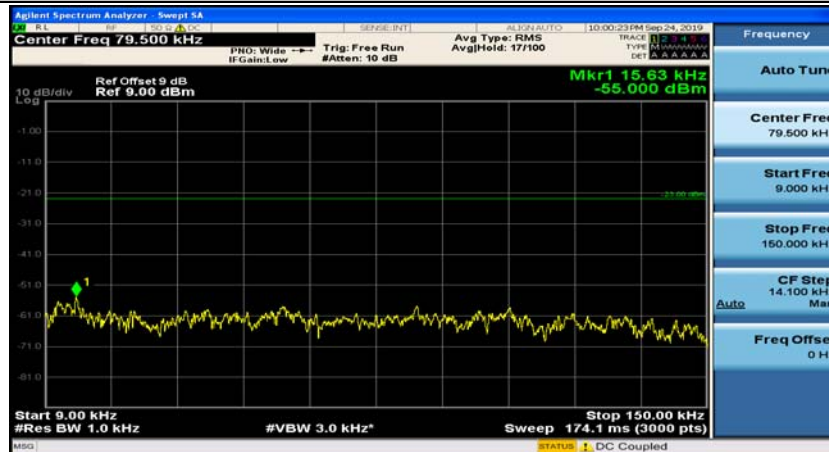


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

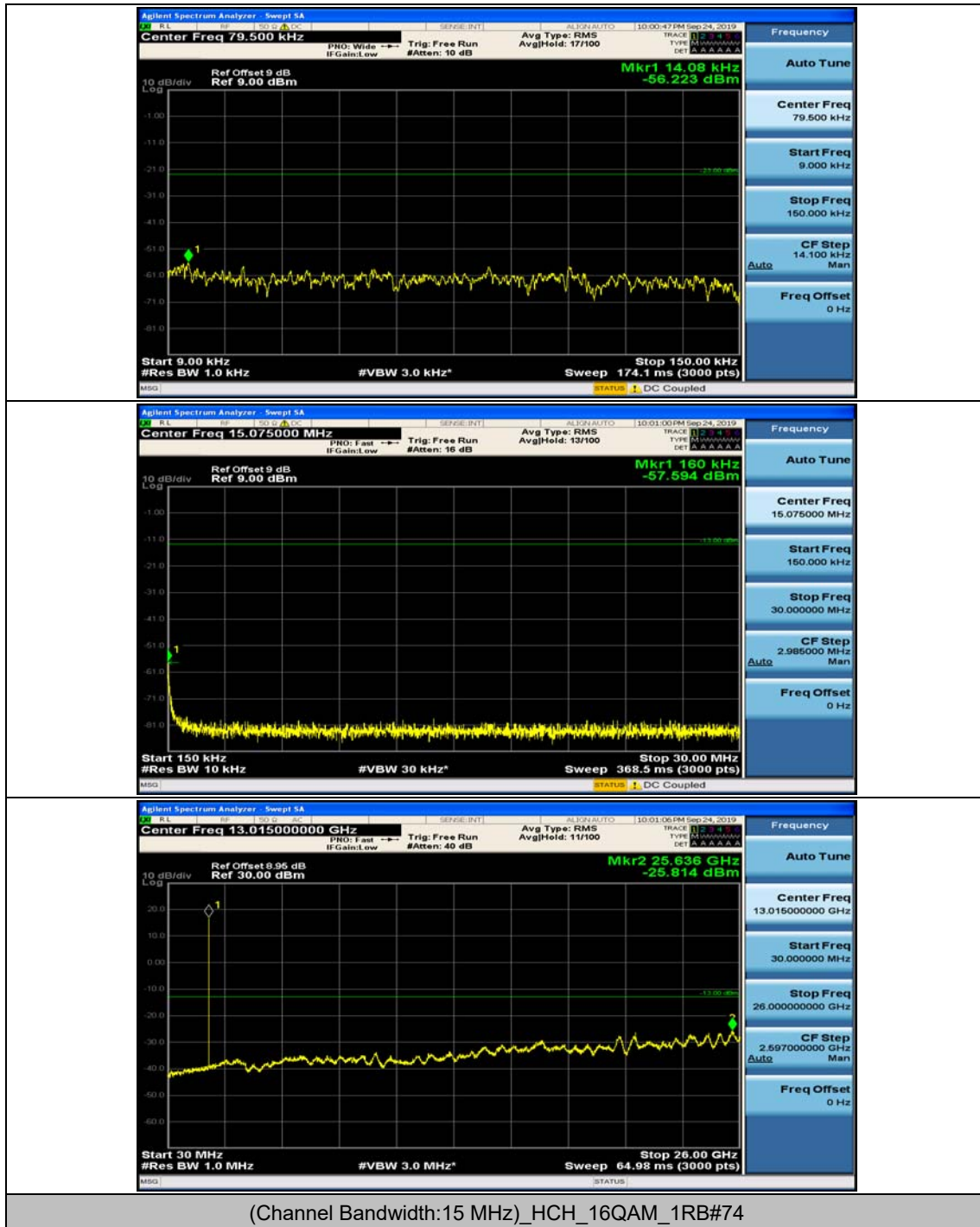


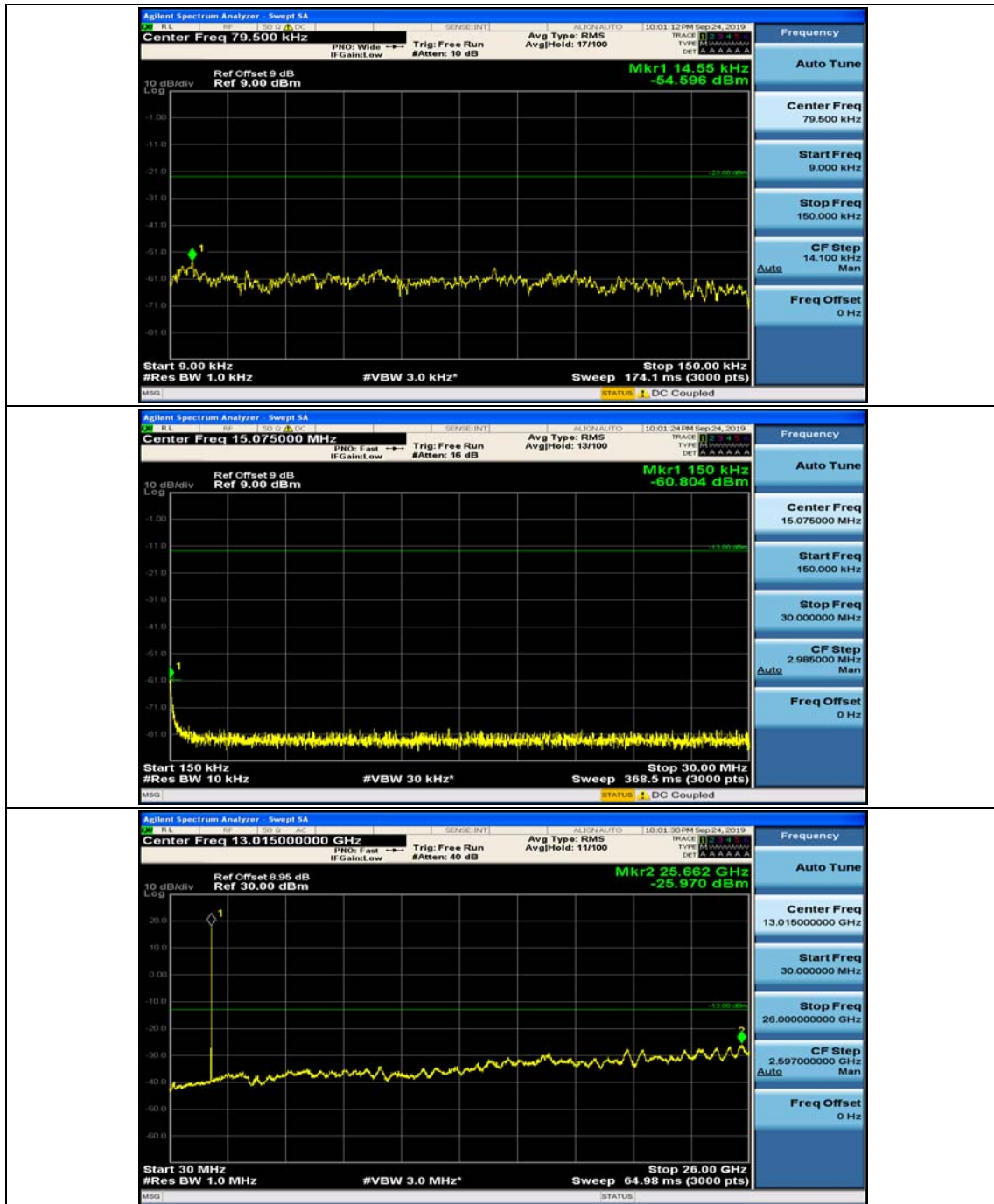


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

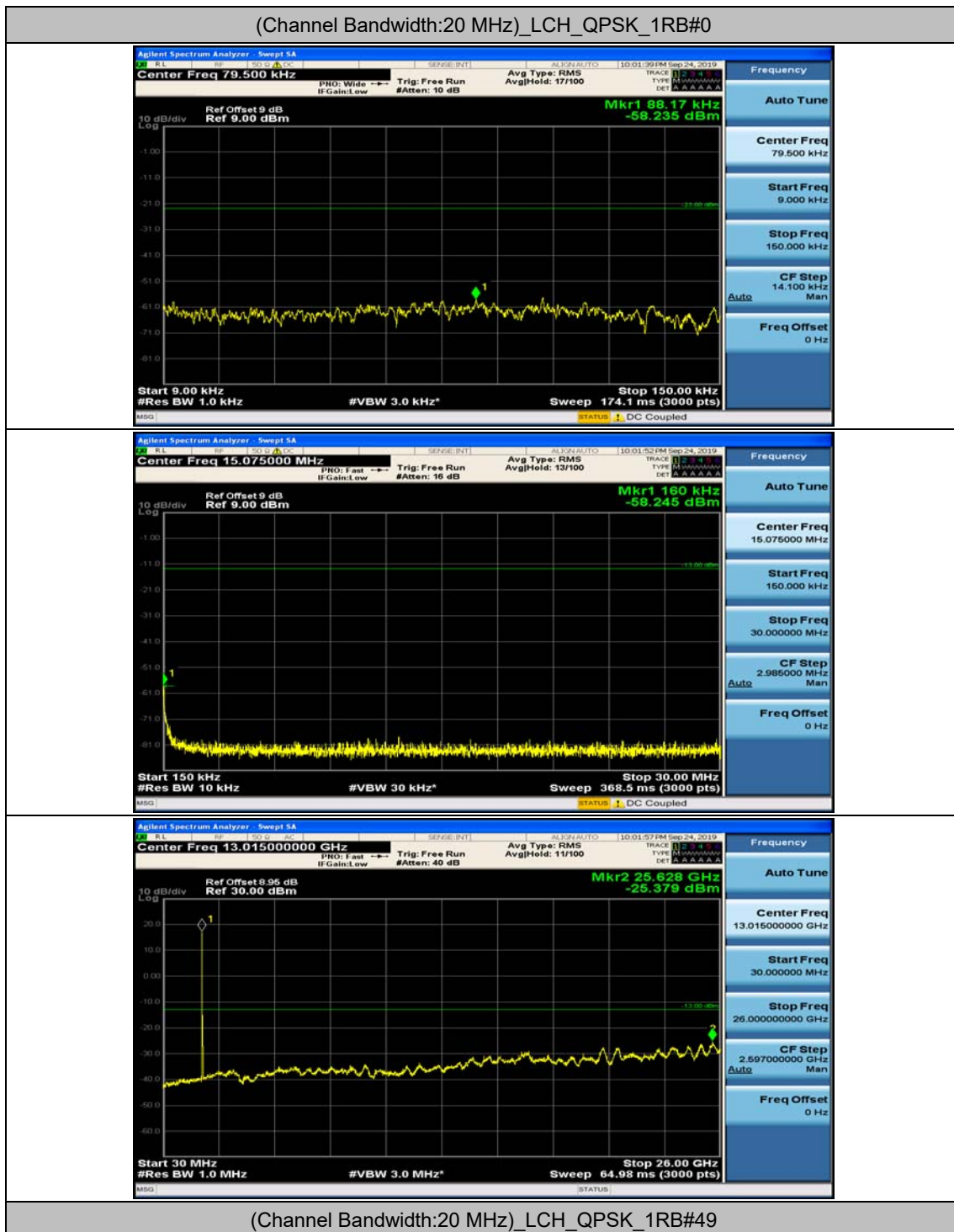


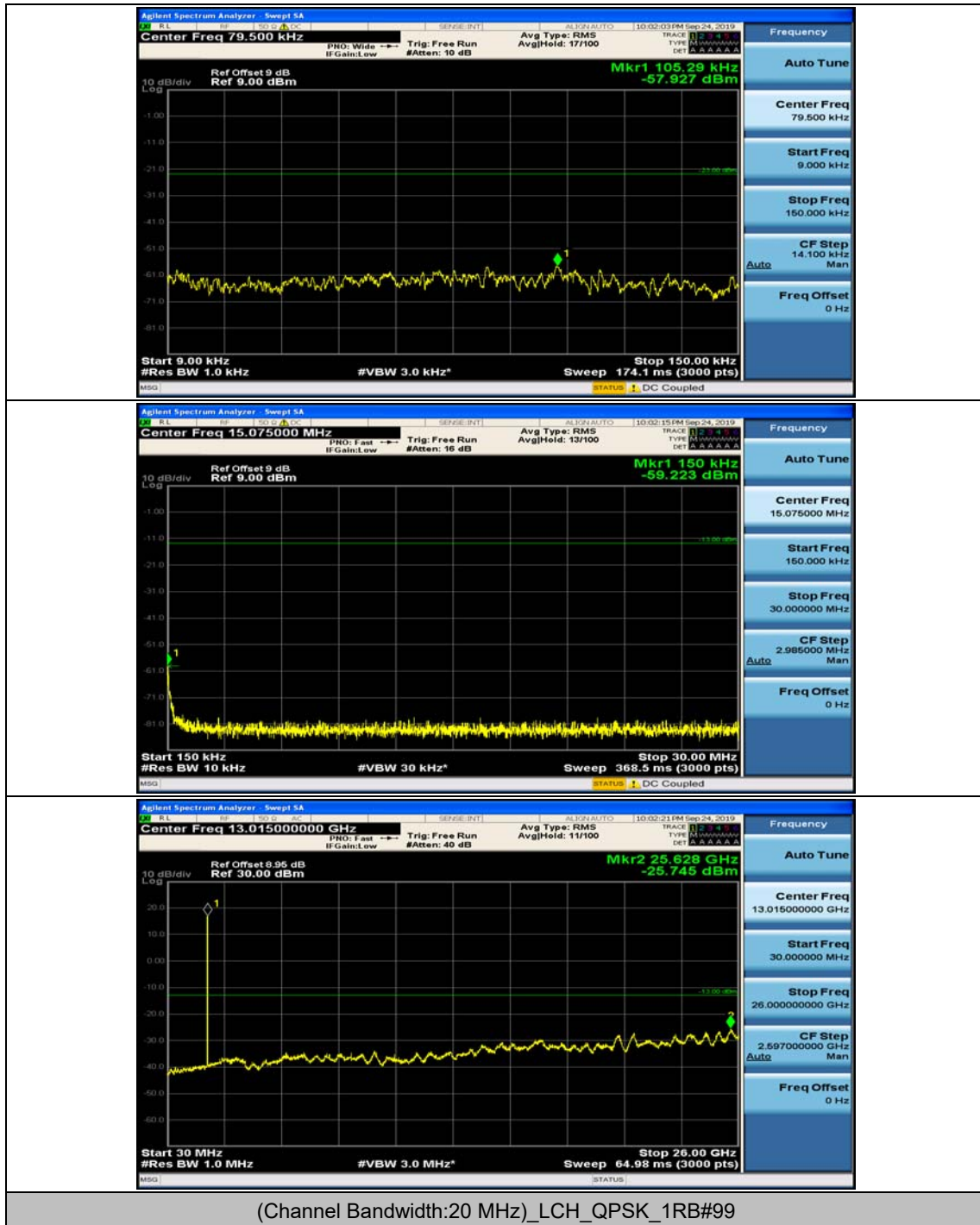
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

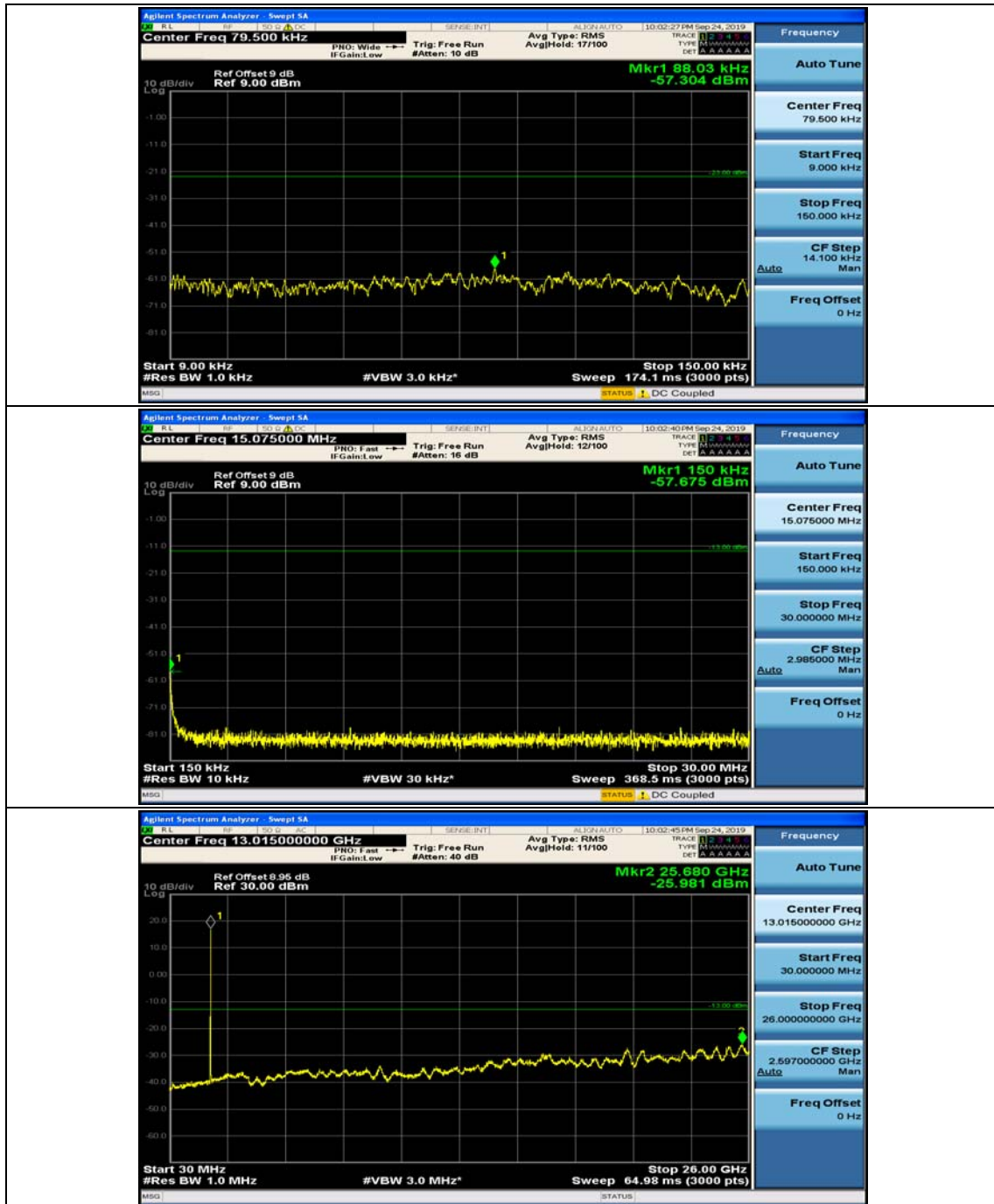




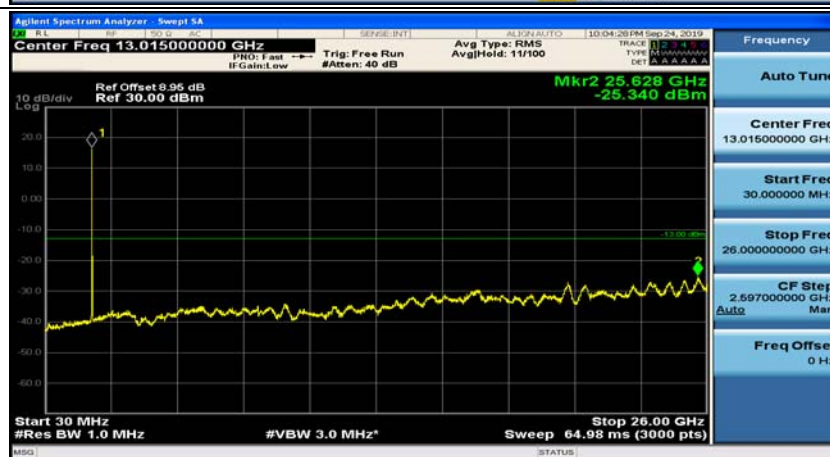
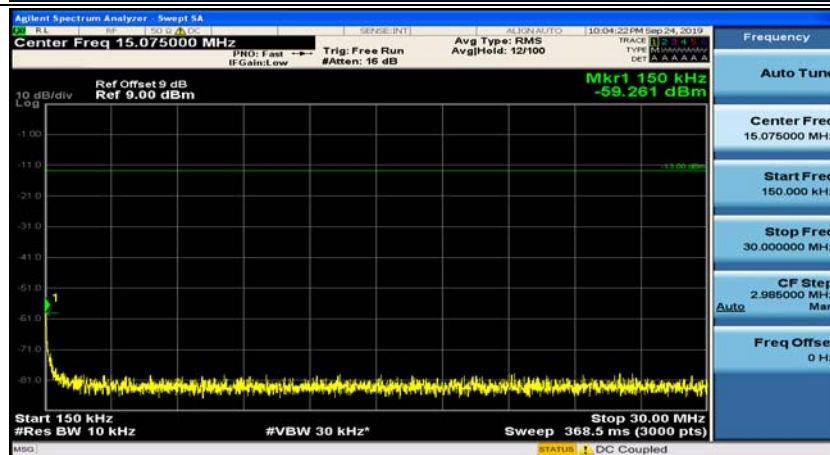
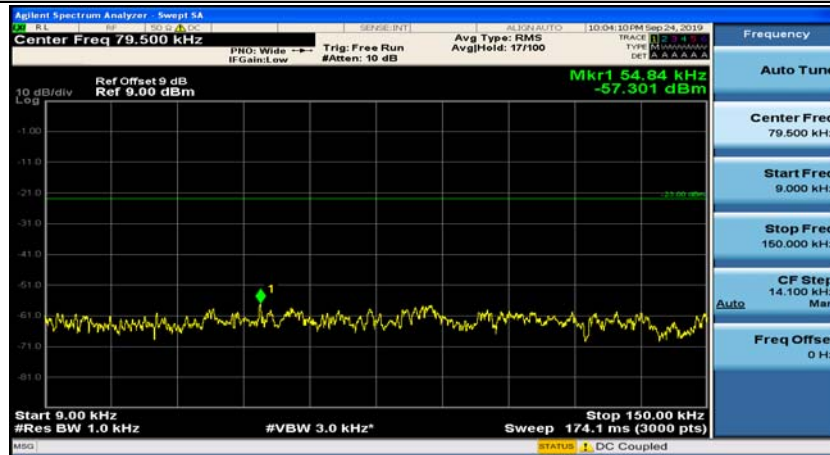
Channel Bandwidth: 20 MHz



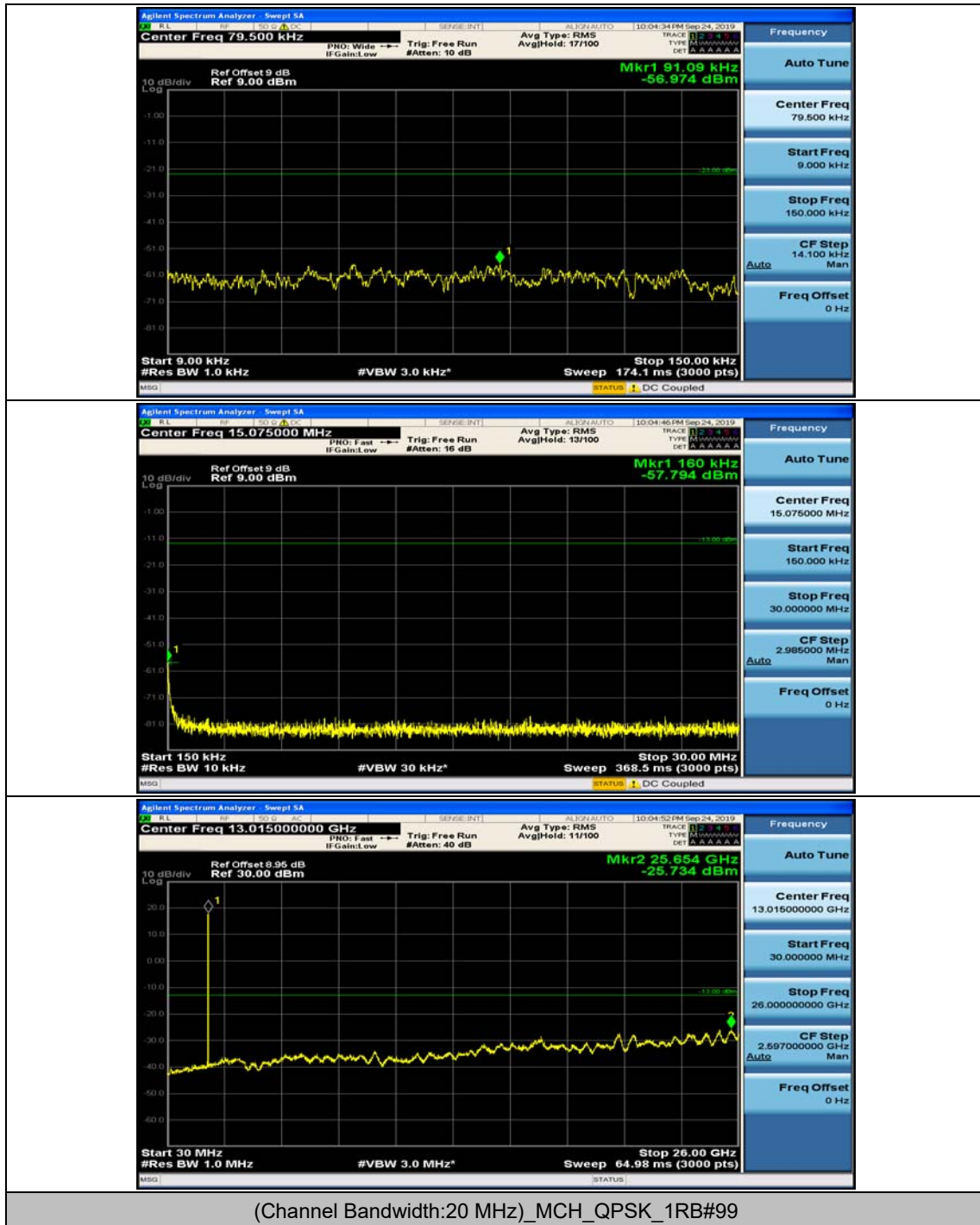


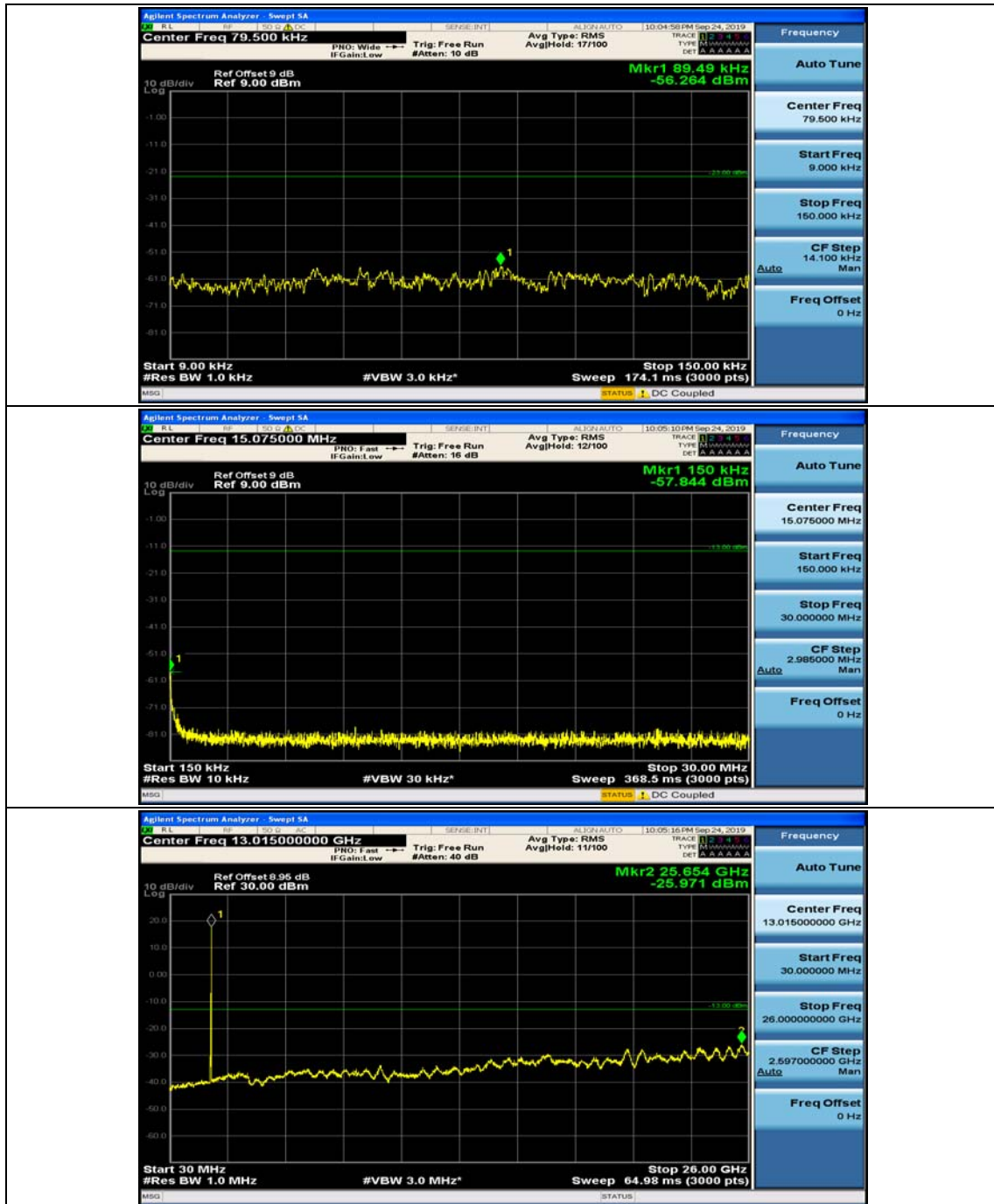


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

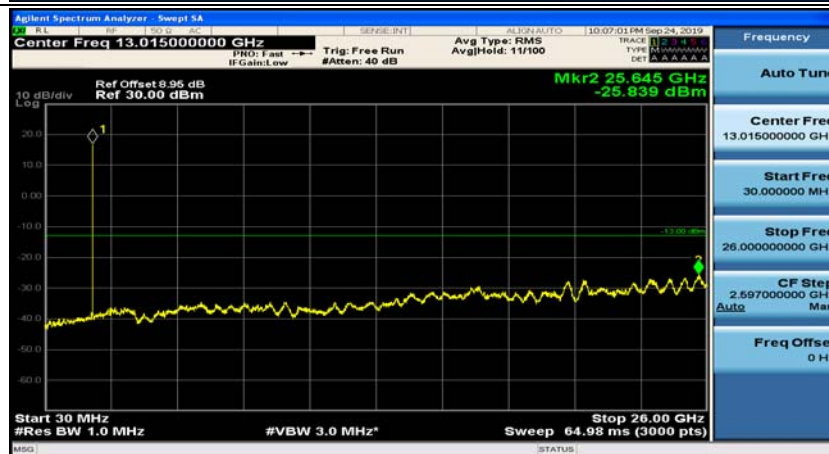
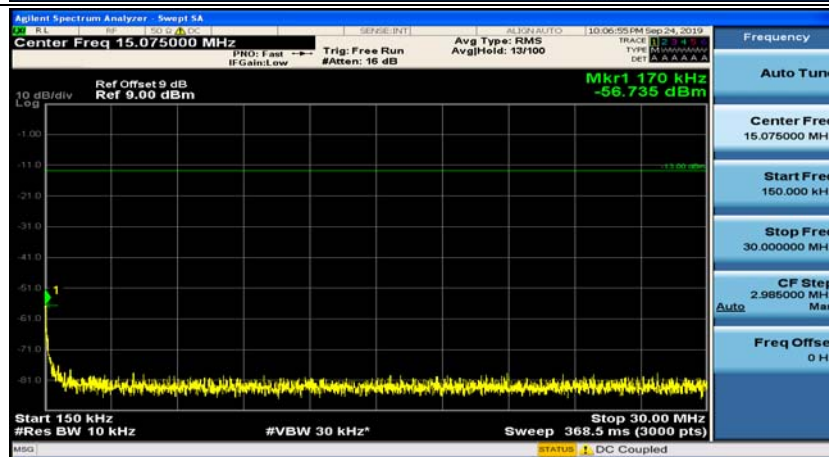
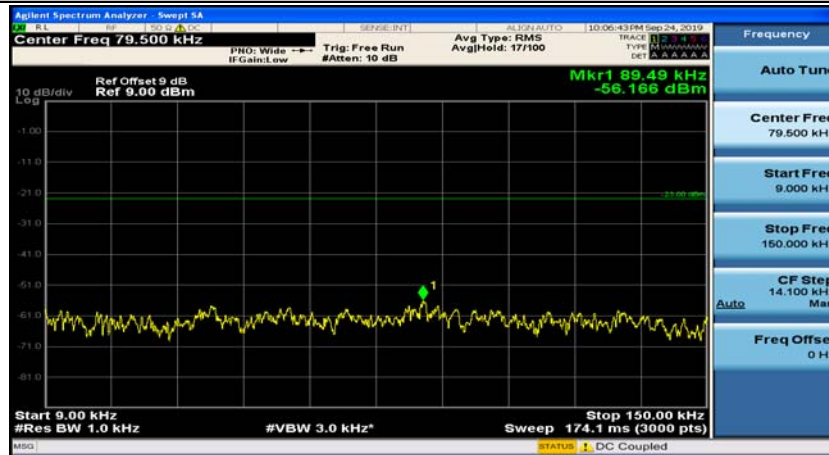


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

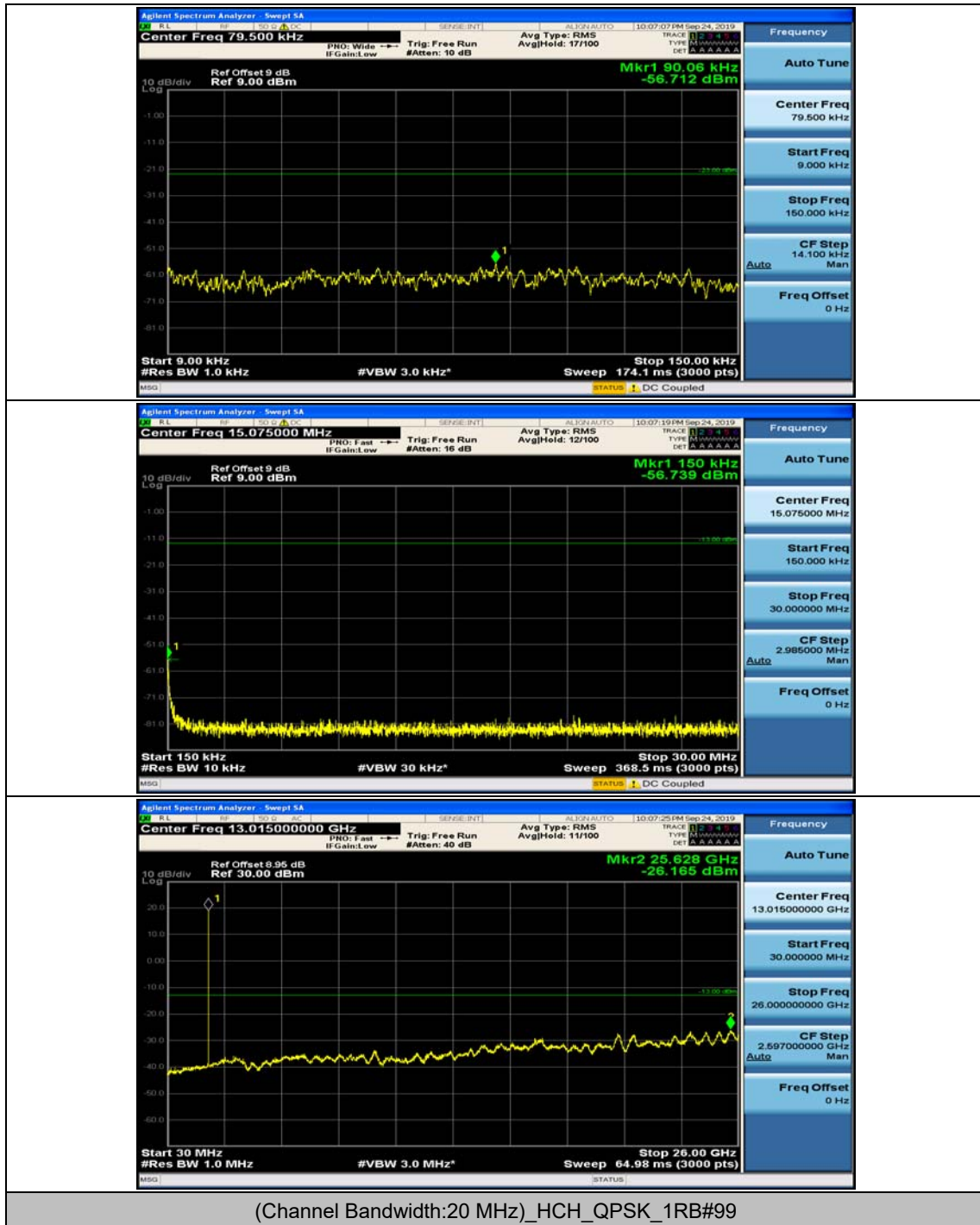


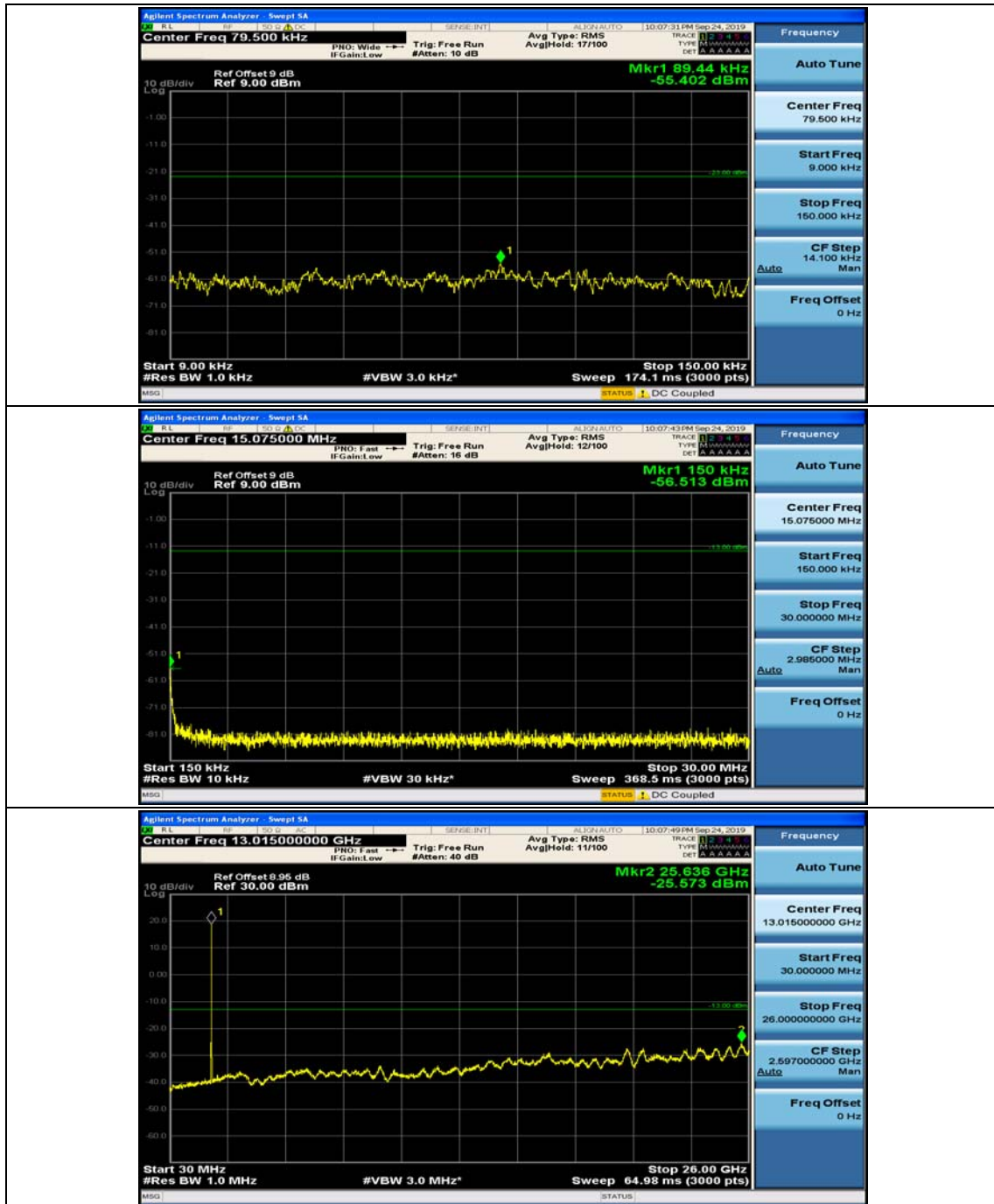


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

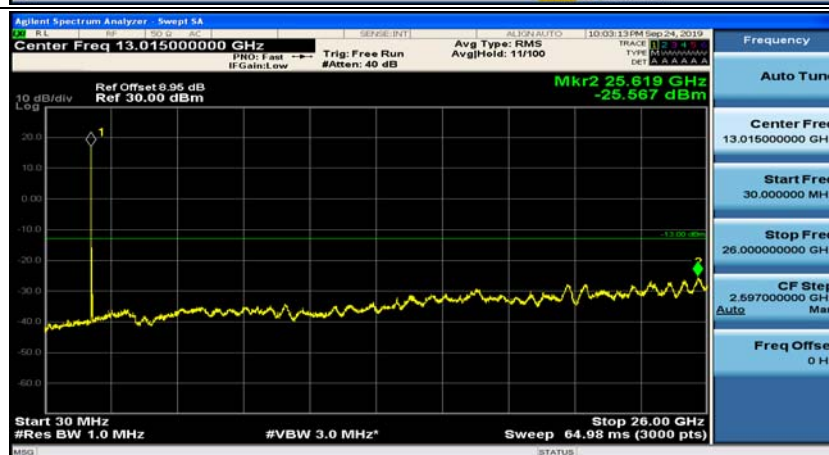
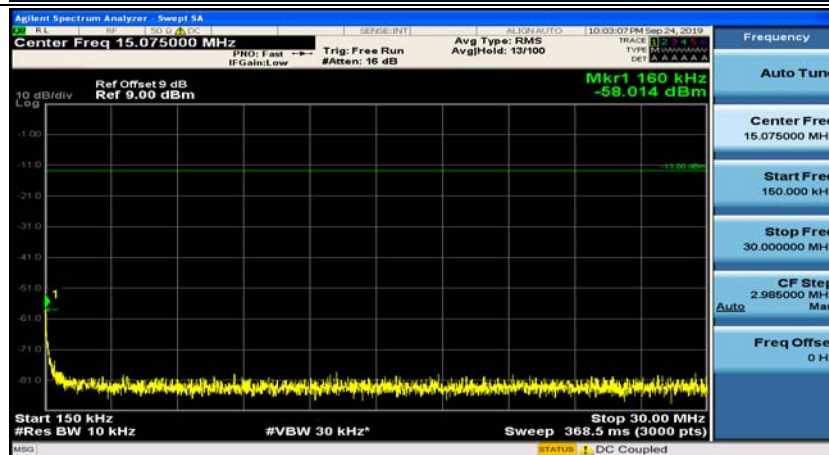
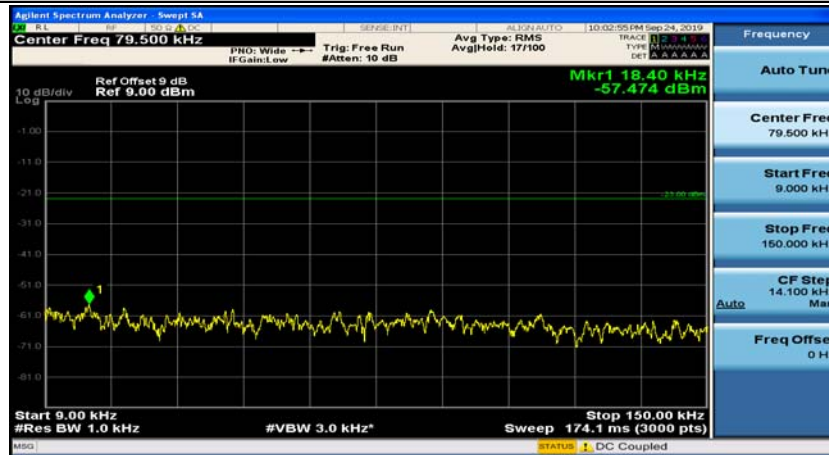


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

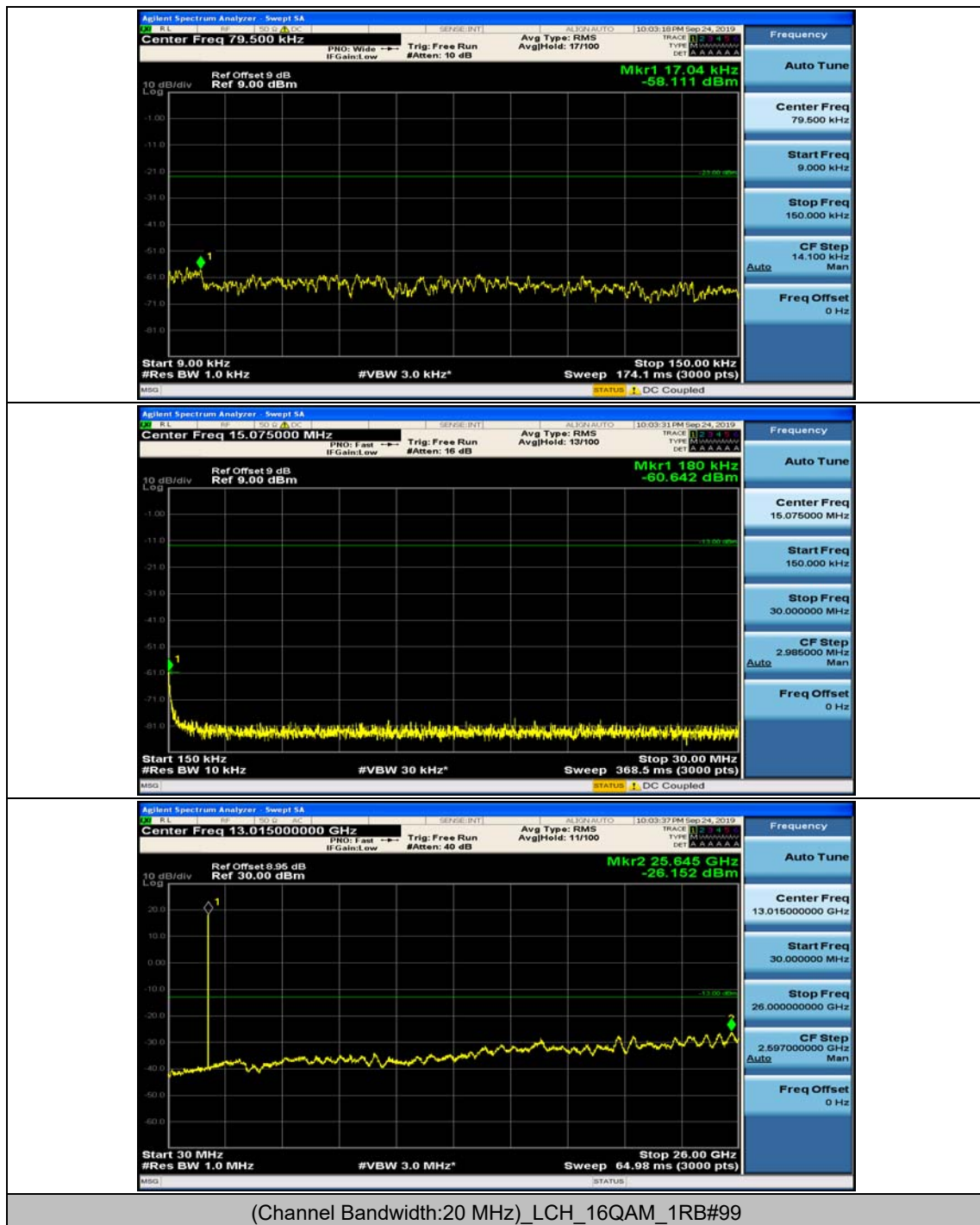


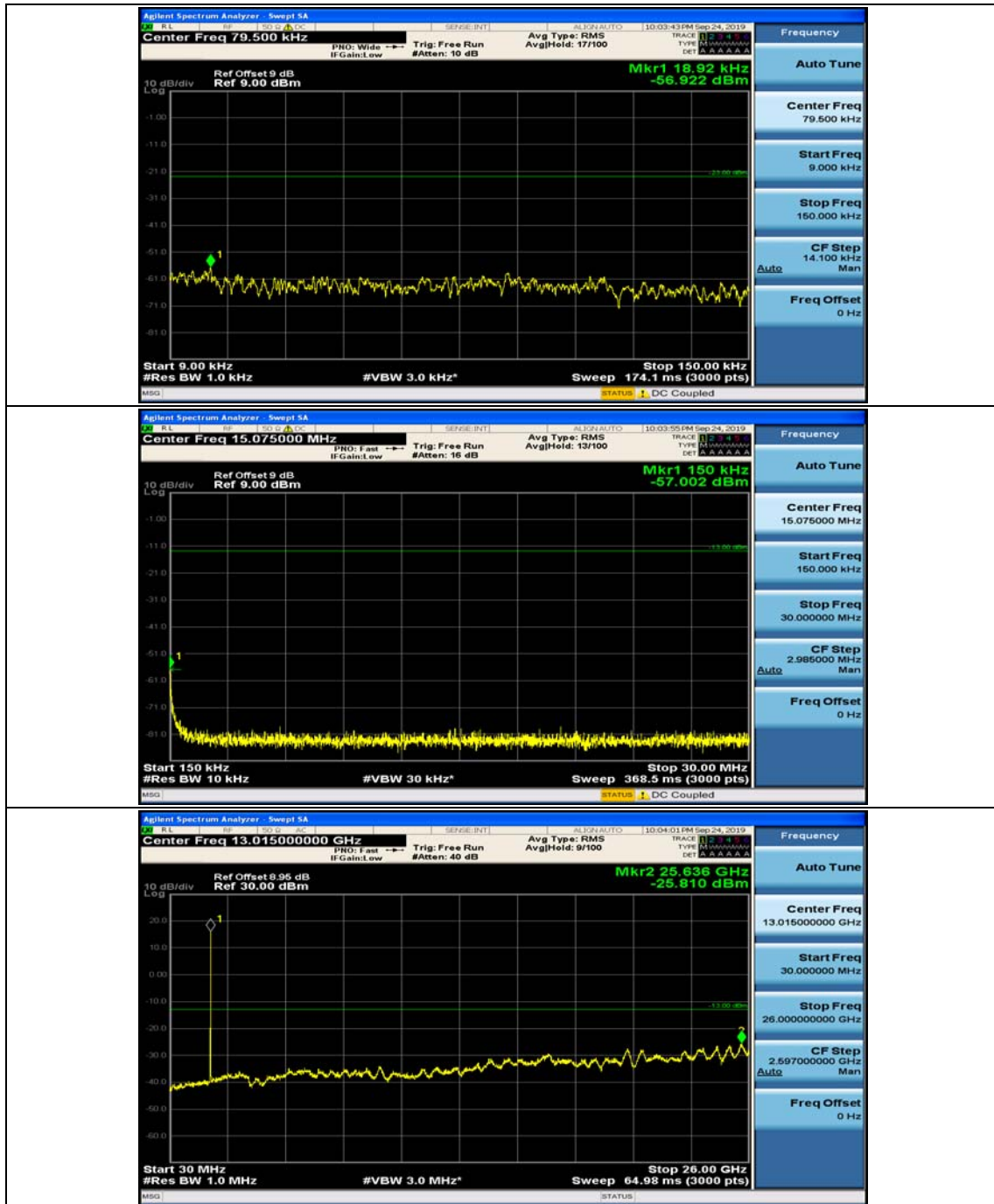


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

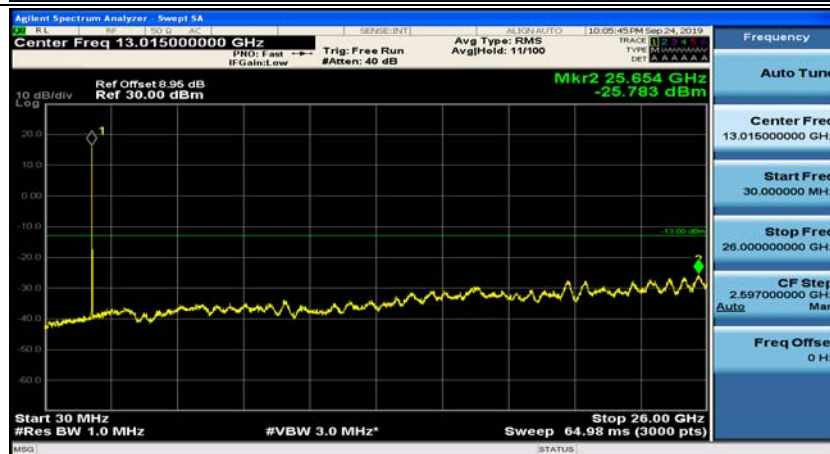
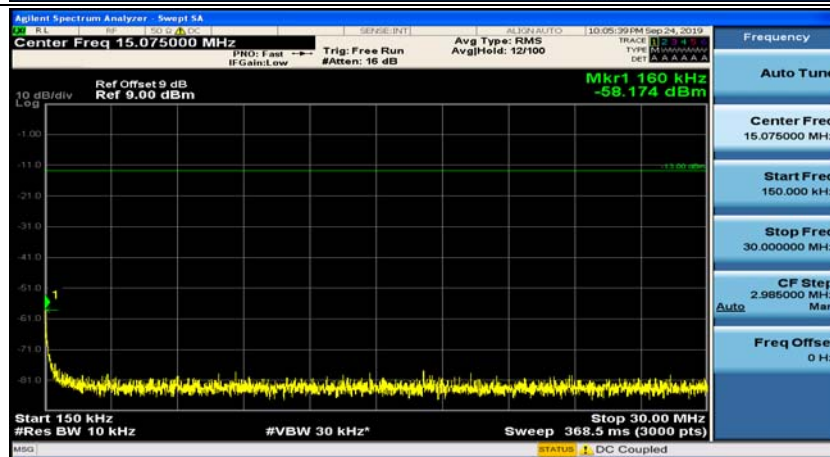


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

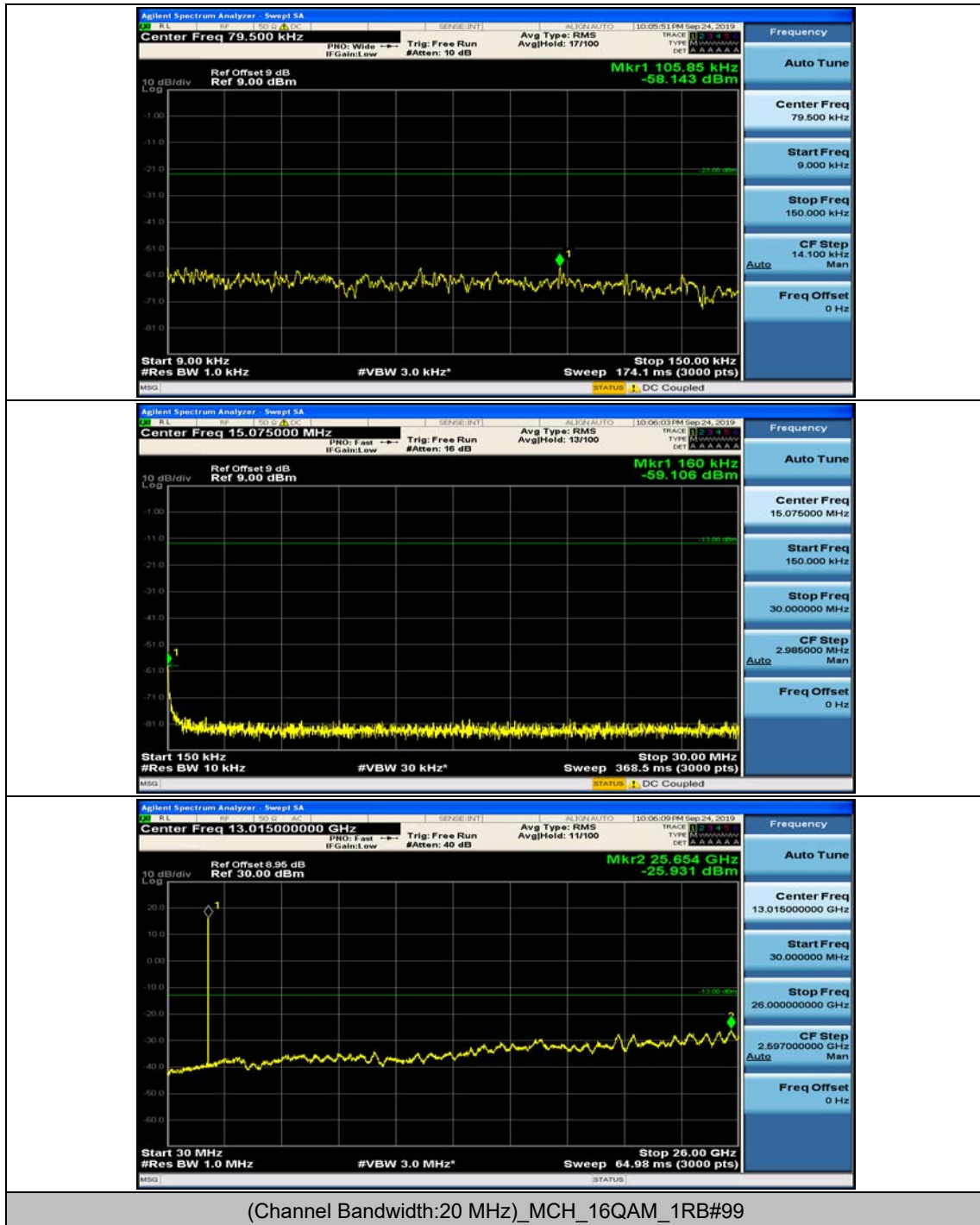


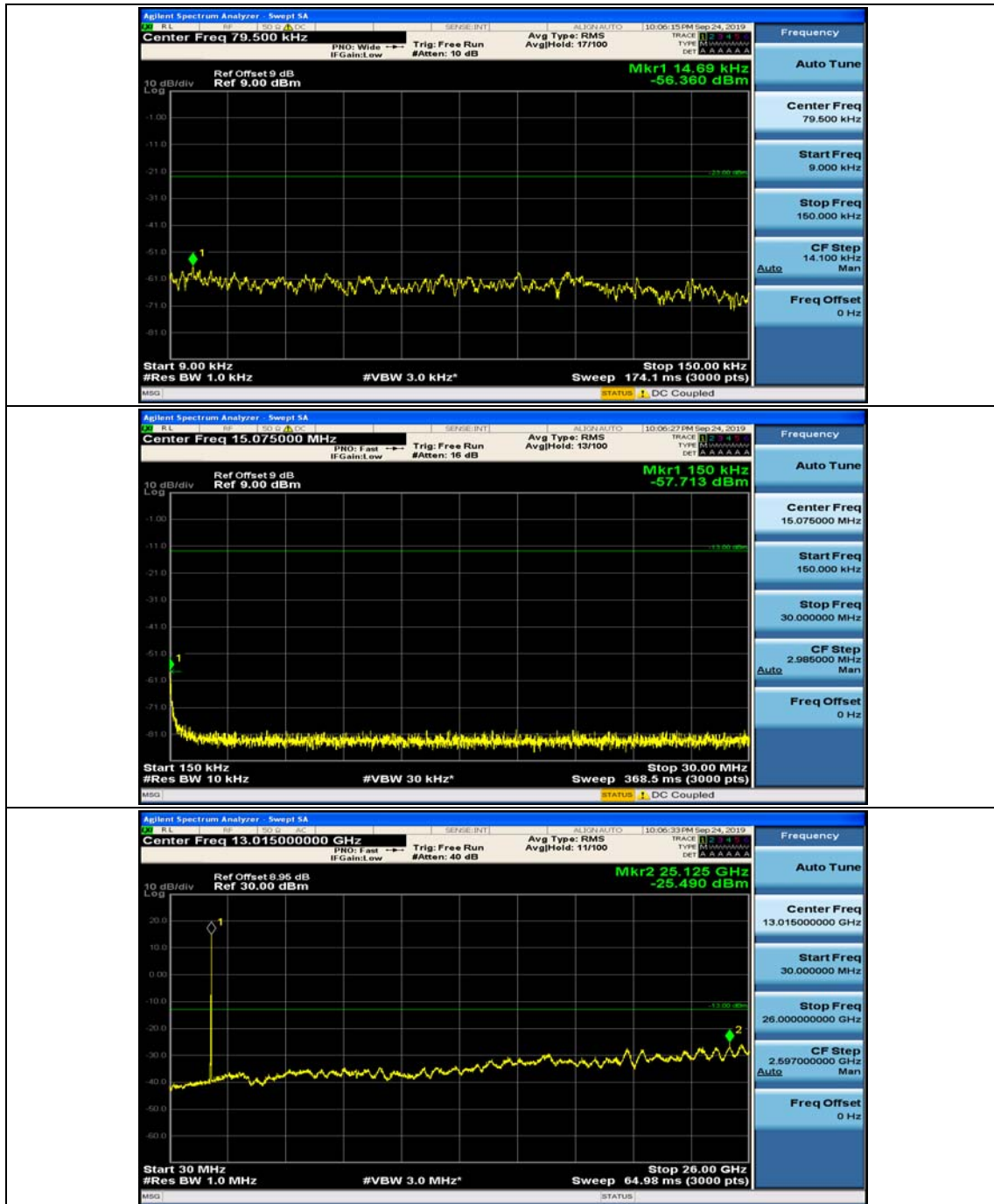


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

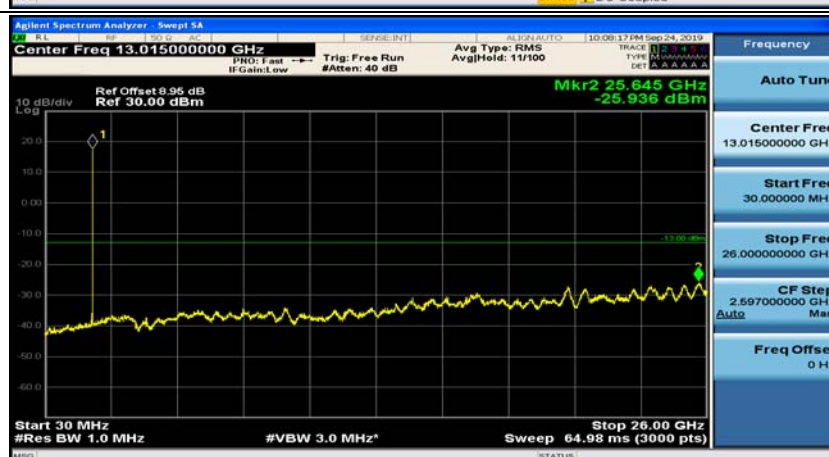
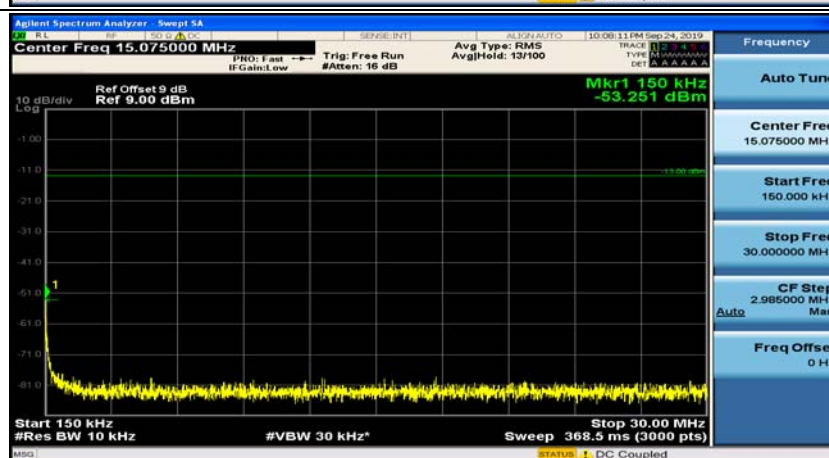
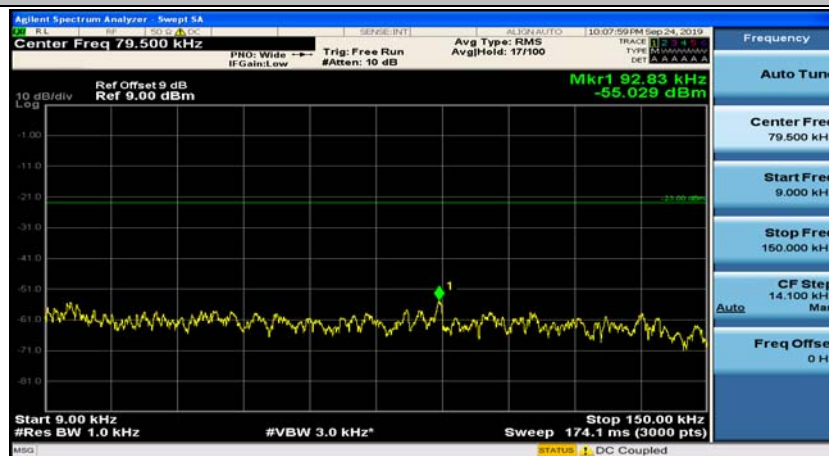


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

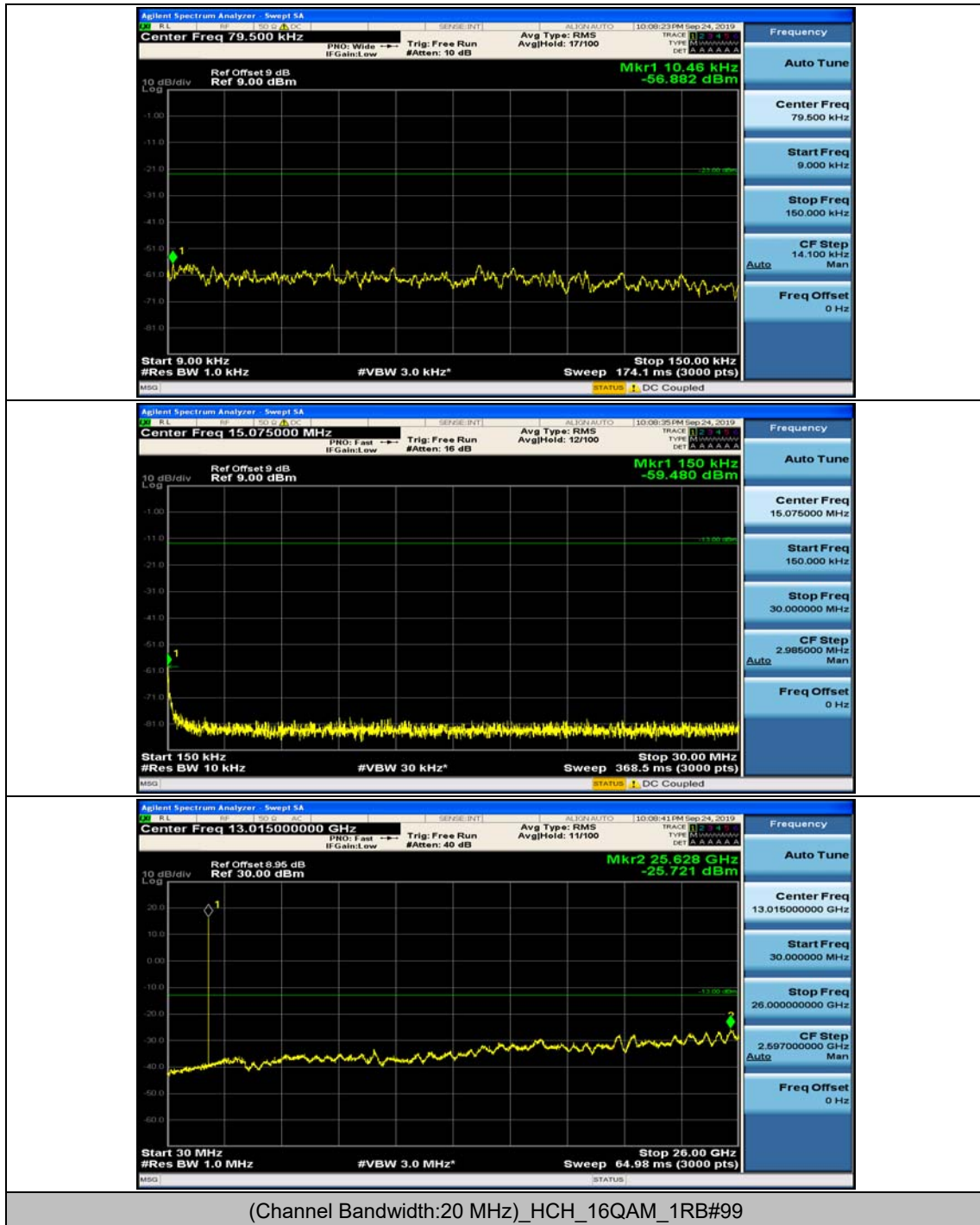


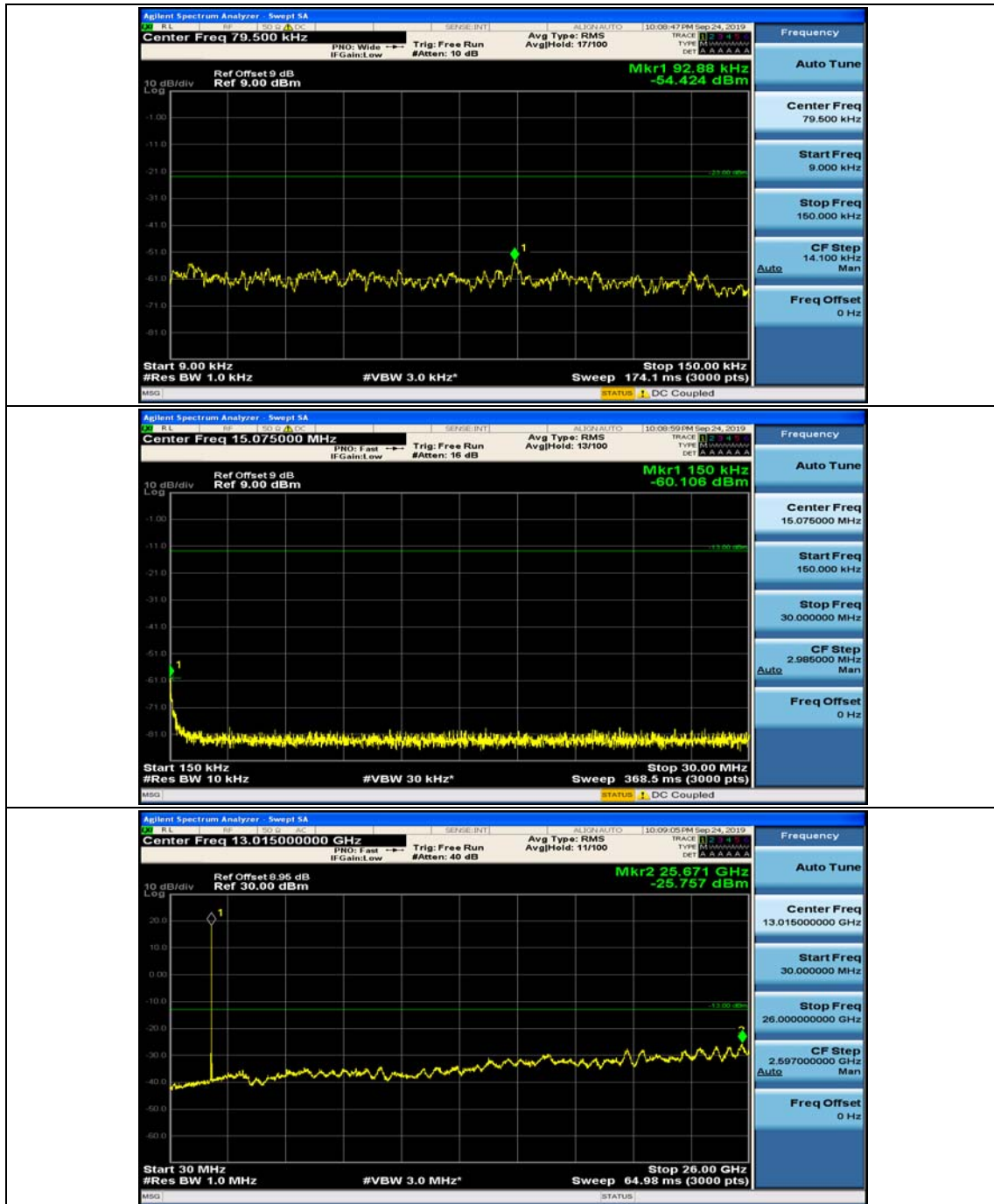


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	1.45	0.000783	± 2.5	PASS
		VN	TN	0.57	0.000308	± 2.5	PASS
		VH	TN	-1.42	-0.000767	± 2.5	PASS
	MCH	VL	TN	0.46	0.000245	± 2.5	PASS
		VN	TN	4.1	0.002181	± 2.5	PASS
		VH	TN	-1.81	-0.000963	± 2.5	PASS
	HCH	VL	TN	3.47	0.001817	± 2.5	PASS
		VN	TN	2.07	0.001084	± 2.5	PASS
		VH	TN	3.61	0.001891	± 2.5	PASS
16QAM	LCH	VL	TN	-0.91	-0.000492	± 2.5	PASS
		VN	TN	-0.85	-0.000459	± 2.5	PASS
		VH	TN	1.5	0.000811	± 2.5	PASS
	MCH	VL	TN	1.22	0.000649	± 2.5	PASS
		VN	TN	4.98	0.002649	± 2.5	PASS
		VH	TN	0.91	0.000484	± 2.5	PASS
	HCH	VL	TN	1.22	0.000639	± 2.5	PASS
		VN	TN	0.89	0.000466	± 2.5	PASS
		VH	TN	-1.14	-0.000597	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.92	0.000497	± 2.5	PASS
		VN	-20	4.11	0.002221	± 2.5	PASS
		VN	-10	0.13	0.000070	± 2.5	PASS
		VN	0	-1.31	-0.000708	± 2.5	PASS
		VN	10	1.04	0.000562	± 2.5	PASS
		VN	20	-1.79	-0.000967	± 2.5	PASS
		VN	30	-1.05	-0.000567	± 2.5	PASS
		VN	40	4.15	0.002242	± 2.5	PASS
		VN	50	-1.81	-0.000978	± 2.5	PASS
	MCH	VN	-30	-1.64	-0.000872	± 2.5	PASS

		VN	-20	0.25	0.000133	± 2.5	PASS
		VN	-10	0.43	0.000229	± 2.5	PASS
		VN	0	4.91	0.002612	± 2.5	PASS
		VN	10	3.93	0.002090	± 2.5	PASS
		VN	20	3.43	0.001824	± 2.5	PASS
		VN	30	-0.45	-0.000239	± 2.5	PASS
		VN	40	4.85	0.002580	± 2.5	PASS
		VN	50	-0.64	-0.000340	± 2.5	PASS
	HCH	VN	-30	0.15	0.000079	± 2.5	PASS
		VN	-20	4.71	0.002467	± 2.5	PASS
		VN	-10	4.17	0.002184	± 2.5	PASS
		VN	0	-1.19	-0.000623	± 2.5	PASS
		VN	10	4.66	0.002441	± 2.5	PASS
		VN	20	-0.11	-0.000058	± 2.5	PASS
		VN	30	0.58	0.000304	± 2.5	PASS
		VN	40	-0.49	-0.000257	± 2.5	PASS
		VN	50	3.77	0.001975	± 2.5	PASS
16QAM	LCH	VN	-30	2.86	0.001545	± 2.5	PASS
		VN	-20	0.36	0.000195	± 2.5	PASS
		VN	-10	-0.16	-0.000086	± 2.5	PASS
		VN	0	-1.62	-0.000875	± 2.5	PASS
		VN	10	1.51	0.000816	± 2.5	PASS
		VN	20	-0.26	-0.000140	± 2.5	PASS
		VN	30	-0.99	-0.000535	± 2.5	PASS
		VN	40	4.32	0.002334	± 2.5	PASS
		VN	50	2.29	0.001237	± 2.5	PASS
	MCH	VN	-30	3.18	0.001691	± 2.5	PASS
		VN	-20	3.4	0.001809	± 2.5	PASS
		VN	-10	-1.7	-0.000904	± 2.5	PASS
		VN	0	4.84	0.002574	± 2.5	PASS
		VN	10	4.38	0.002330	± 2.5	PASS
		VN	20	3.03	0.001612	± 2.5	PASS
		VN	30	-1.6	-0.000851	± 2.5	PASS
		VN	40	1.91	0.001016	± 2.5	PASS
		VN	50	3.27	0.001739	± 2.5	PASS
	HCH	VN	-30	0.39	0.000204	± 2.5	PASS
		VN	-20	-0.7	-0.000367	± 2.5	PASS
		VN	-10	0.19	0.000100	± 2.5	PASS
		VN	0	-0.3	-0.000157	± 2.5	PASS
		VN	10	0.8	0.000419	± 2.5	PASS
		VN	20	4.67	0.002446	± 2.5	PASS

		VN	30	2.16	0.001131	± 2.5	PASS
		VN	40	-1.87	-0.000979	± 2.5	PASS
		VN	50	3.87	0.002027	± 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	4.05	0.002187	± 2.5	PASS
		VN	TN	3.7	0.001998	± 2.5	PASS
		VH	TN	0.43	0.000232	± 2.5	PASS
	MCH	VL	TN	-0.92	-0.000489	± 2.5	PASS
		VN	TN	2.66	0.001415	± 2.5	PASS
		VH	TN	1.83	0.000973	± 2.5	PASS
	HCH	VL	TN	2.83	0.001483	± 2.5	PASS
		VN	TN	-0.49	-0.000257	± 2.5	PASS
		VH	TN	4.52	0.002368	± 2.5	PASS
16QAM	LCH	VL	TN	1.11	0.000600	± 2.5	PASS
		VN	TN	-1.45	-0.000783	± 2.5	PASS
		VH	TN	-0.48	-0.000259	± 2.5	PASS
	MCH	VL	TN	-0.45	-0.000239	± 2.5	PASS
		VN	TN	0.76	0.000404	± 2.5	PASS
		VH	TN	1.01	0.000537	± 2.5	PASS
	HCH	VL	TN	-0.22	-0.000115	± 2.5	PASS
		VN	TN	-1.22	-0.000639	± 2.5	PASS
		VH	TN	-0.96	-0.000503	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.71	0.000924	± 2.5	PASS
		VN	-20	1.5	0.000810	± 2.5	PASS
		VN	-10	1.24	0.000670	± 2.5	PASS
		VN	0	2.27	0.001226	± 2.5	PASS
		VN	10	4.28	0.002312	± 2.5	PASS
		VN	20	1.04	0.000562	± 2.5	PASS
		VN	30	4.22	0.002279	± 2.5	PASS
		VN	40	-1.45	-0.000783	± 2.5	PASS
		VN	50	3.63	0.001961	± 2.5	PASS
	MCH	VN	-30	-1.22	-0.000649	± 2.5	PASS
		VN	-20	1.27	0.000676	± 2.5	PASS

		VN	-10	4.46	0.002372	± 2.5	PASS
		VN	0	3.3	0.001755	± 2.5	PASS
		VN	10	1.67	0.000888	± 2.5	PASS
		VN	20	4.09	0.002176	± 2.5	PASS
		VN	30	-1.36	-0.000723	± 2.5	PASS
		VN	40	4.06	0.002160	± 2.5	PASS
		VN	50	2.67	0.001420	± 2.5	PASS
	HCH	VN	-30	2.81	0.001472	± 2.5	PASS
		VN	-20	3.96	0.002075	± 2.5	PASS
		VN	-10	3.02	0.001582	± 2.5	PASS
		VN	0	2.27	0.001189	± 2.5	PASS
		VN	10	-1.21	-0.000634	± 2.5	PASS
		VN	20	2.43	0.001273	± 2.5	PASS
		VN	30	1.38	0.000723	± 2.5	PASS
		VN	40	1.26	0.000660	± 2.5	PASS
		VN	50	2.82	0.001478	± 2.5	PASS
QPSK	LCH	VN	-30	0.82	0.000443	± 2.5	PASS
		VN	-20	2.32	0.001253	± 2.5	PASS
		VN	-10	4.52	0.002441	± 2.5	PASS
		VN	0	2.63	0.001420	± 2.5	PASS
		VN	10	3.77	0.002036	± 2.5	PASS
		VN	20	4.57	0.002468	± 2.5	PASS
		VN	30	-0.27	-0.000146	± 2.5	PASS
		VN	40	4.43	0.002393	± 2.5	PASS
		VN	50	4.34	0.002344	± 2.5	PASS
	MCH	VN	-30	1.76	0.000936	± 2.5	PASS
		VN	-20	3.07	0.001633	± 2.5	PASS
		VN	-10	0.97	0.000516	± 2.5	PASS
		VN	0	-0.42	-0.000223	± 2.5	PASS
		VN	10	-0.22	-0.000117	± 2.5	PASS
		VN	20	0.49	0.000261	± 2.5	PASS
		VN	30	-1.59	-0.000846	± 2.5	PASS
		VN	40	2.33	0.001239	± 2.5	PASS
		VN	50	1.51	0.000803	± 2.5	PASS
	HCH	VN	-30	2.65	0.001389	± 2.5	PASS
		VN	-20	3.1	0.001624	± 2.5	PASS
		VN	-10	2.22	0.001163	± 2.5	PASS
		VN	0	-0.21	-0.000110	± 2.5	PASS
		VN	10	0.75	0.000393	± 2.5	PASS
		VN	20	1.49	0.000781	± 2.5	PASS
		VN	30	-1.88	-0.000985	± 2.5	PASS

		VN	40	-0.55	-0.000288	± 2.5	PASS
		VN	50	-1.7	-0.000891	± 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	4.23	0.002283	± 2.5	PASS
		VN	TN	3.68	0.001987	± 2.5	PASS
		VH	TN	0.45	0.000243	± 2.5	PASS
	MCH	VL	TN	3.68	0.001957	± 2.5	PASS
		VN	TN	1.31	0.000697	± 2.5	PASS
		VH	TN	-0.55	-0.000293	± 2.5	PASS
	HCH	VL	TN	3.44	0.001803	± 2.5	PASS
		VN	TN	1.44	0.000755	± 2.5	PASS
		VH	TN	3.05	0.001599	± 2.5	PASS
16QAM	LCH	VL	TN	2.95	0.001592	± 2.5	PASS
		VN	TN	-0.52	-0.000281	± 2.5	PASS
		VH	TN	3.36	0.001814	± 2.5	PASS
	MCH	VL	TN	3.91	0.002080	± 2.5	PASS
		VN	TN	1.52	0.000809	± 2.5	PASS
		VH	TN	1.67	0.000888	± 2.5	PASS
	HCH	VL	TN	-1.36	-0.000713	± 2.5	PASS
		VN	TN	3.8	0.001992	± 2.5	PASS
		VH	TN	-1.24	-0.000650	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.5	-0.000270	± 2.5	PASS
		VN	-20	4.53	0.002445	± 2.5	PASS
		VN	-10	-1.57	-0.000848	± 2.5	PASS
		VN	0	4.49	0.002424	± 2.5	PASS
		VN	10	0.47	0.000254	± 2.5	PASS
		VN	20	0.94	0.000507	± 2.5	PASS
		VN	30	-0.1	-0.000054	± 2.5	PASS
		VN	40	3.36	0.001814	± 2.5	PASS
		VN	50	-1.24	-0.000669	± 2.5	PASS
	MCH	VN	-30	4.84	0.002574	± 2.5	PASS
		VN	-20	0.86	0.000457	± 2.5	PASS
		VN	-10	-1.67	-0.000888	± 2.5	PASS

		VN	0	1.65	0.000878	± 2.5	PASS
		VN	10	3.52	0.001872	± 2.5	PASS
		VN	20	0.22	0.000117	± 2.5	PASS
		VN	30	1.81	0.000963	± 2.5	PASS
		VN	40	-0.89	-0.000473	± 2.5	PASS
		VN	50	-1.46	-0.000777	± 2.5	PASS
	HCH	VN	-30	-0.18	-0.000094	± 2.5	PASS
		VN	-20	2.78	0.001457	± 2.5	PASS
		VN	-10	1.7	0.000891	± 2.5	PASS
		VN	0	1.17	0.000613	± 2.5	PASS
		VN	10	-0.83	-0.000435	± 2.5	PASS
		VN	20	0.62	0.000325	± 2.5	PASS
		VN	30	-1.76	-0.000923	± 2.5	PASS
		VN	40	0.55	0.000288	± 2.5	PASS
		VN	50	4.16	0.002181	± 2.5	PASS
16QAM	LCH	VN	-30	4.57	0.002467	± 2.5	PASS
		VN	-20	4.88	0.002634	± 2.5	PASS
		VN	-10	2.85	0.001538	± 2.5	PASS
		VN	0	2.34	0.001263	± 2.5	PASS
		VN	10	-1.51	-0.000815	± 2.5	PASS
		VN	20	1.65	0.000891	± 2.5	PASS
		VN	30	-0.88	-0.000475	± 2.5	PASS
		VN	40	1.35	0.000729	± 2.5	PASS
		VN	50	4.18	0.002256	± 2.5	PASS
	MCH	VN	-30	3.83	0.002037	± 2.5	PASS
		VN	-20	4.26	0.002266	± 2.5	PASS
		VN	-10	4.75	0.002527	± 2.5	PASS
		VN	0	-0.01	-0.000005	± 2.5	PASS
		VN	10	-0.97	-0.000516	± 2.5	PASS
		VN	20	0.88	0.000468	± 2.5	PASS
		VN	30	2.11	0.001122	± 2.5	PASS
		VN	40	-0.9	-0.000479	± 2.5	PASS
		VN	50	1.25	0.000665	± 2.5	PASS
	HCH	VN	-30	3.03	0.001588	± 2.5	PASS
		VN	-20	-1.63	-0.000855	± 2.5	PASS
		VN	-10	-0.26	-0.000136	± 2.5	PASS
		VN	0	-1.97	-0.001033	± 2.5	PASS
		VN	10	4.43	0.002322	± 2.5	PASS
		VN	20	2.96	0.001552	± 2.5	PASS
		VN	30	2.43	0.001274	± 2.5	PASS
		VN	40	-1.81	-0.000949	± 2.5	PASS

		VN	50	2.04	0.001069	± 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	-1.67	-0.000900	± 2.5	PASS
		VN	TN	1.91	0.001030	± 2.5	PASS
		VH	TN	-1.81	-0.000976	± 2.5	PASS
	MCH	VL	TN	-1.91	-0.001016	± 2.5	PASS
		VN	TN	2.13	0.001133	± 2.5	PASS
		VH	TN	2.15	0.001144	± 2.5	PASS
	HCH	VL	TN	-0.64	-0.000336	± 2.5	PASS
		VN	TN	3.54	0.001858	± 2.5	PASS
		VH	TN	1.6	0.000840	± 2.5	PASS
16QAM	LCH	VL	TN	4.18	0.002253	± 2.5	PASS
		VN	TN	3.2	0.001725	± 2.5	PASS
		VH	TN	0.89	0.000480	± 2.5	PASS
	MCH	VL	TN	2.22	0.001181	± 2.5	PASS
		VN	TN	0.88	0.000468	± 2.5	PASS
		VH	TN	1.64	0.000872	± 2.5	PASS
	HCH	VL	TN	0.29	0.000152	± 2.5	PASS
		VN	TN	-0.44	-0.000231	± 2.5	PASS
		VH	TN	-1.61	-0.000845	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-0.95	-0.000512	± 2.5	PASS
		VN	-20	1.18	0.000636	± 2.5	PASS
		VN	-10	3.45	0.001860	± 2.5	PASS
		VN	0	1.35	0.000728	± 2.5	PASS
		VN	10	2.28	0.001229	± 2.5	PASS
		VN	20	0.75	0.000404	± 2.5	PASS
		VN	30	4.84	0.002609	± 2.5	PASS
		VN	40	3.61	0.001946	± 2.5	PASS
		VN	50	0.92	0.000496	± 2.5	PASS
	MCH	VN	-30	1.4	0.000745	± 2.5	PASS
		VN	-20	2.97	0.001580	± 2.5	PASS
		VN	-10	1.96	0.001043	± 2.5	PASS
		VN	0	2.37	0.001261	± 2.5	PASS

		VN	10	-1.2	-0.000638	± 2.5	PASS
		VN	20	1.66	0.000883	± 2.5	PASS
		VN	30	2.09	0.001112	± 2.5	PASS
		VN	40	-1.94	-0.001032	± 2.5	PASS
		VN	50	0.55	0.000293	± 2.5	PASS
	HCH	VN	-30	-0.83	-0.000436	± 2.5	PASS
		VN	-20	1.41	0.000740	± 2.5	PASS
		VN	-10	-1.77	-0.000929	± 2.5	PASS
		VN	0	4.14	0.002173	± 2.5	PASS
		VN	10	2.44	0.001281	± 2.5	PASS
		VN	20	-1.47	-0.000772	± 2.5	PASS
		VN	30	2.29	0.001202	± 2.5	PASS
		VN	40	4.21	0.002210	± 2.5	PASS
		VN	50	2.76	0.001449	± 2.5	PASS
QPSK	LCH	VN	-30	-0.64	-0.000345	± 2.5	PASS
		VN	-20	-0.64	-0.000345	± 2.5	PASS
		VN	-10	0.52	0.000280	± 2.5	PASS
		VN	0	2.86	0.001542	± 2.5	PASS
		VN	10	3.59	0.001935	± 2.5	PASS
		VN	20	1.16	0.000625	± 2.5	PASS
		VN	30	1.87	0.001008	± 2.5	PASS
		VN	40	-1.7	-0.000916	± 2.5	PASS
		VN	50	-0.65	-0.000350	± 2.5	PASS
	MCH	VN	-30	0.46	0.000245	± 2.5	PASS
		VN	-20	-0.38	-0.000202	± 2.5	PASS
		VN	-10	4.41	0.002346	± 2.5	PASS
		VN	0	2.42	0.001287	± 2.5	PASS
		VN	10	-0.32	-0.000170	± 2.5	PASS
		VN	20	0.21	0.000112	± 2.5	PASS
		VN	30	-1.48	-0.000787	± 2.5	PASS
		VN	40	0.33	0.000176	± 2.5	PASS
		VN	50	-1.34	-0.000713	± 2.5	PASS
	HCH	VN	-30	0.19	0.000100	± 2.5	PASS
		VN	-20	-1.87	-0.000982	± 2.5	PASS
		VN	-10	1.86	0.000976	± 2.5	PASS
		VN	0	0.95	0.000499	± 2.5	PASS
		VN	10	3.17	0.001664	± 2.5	PASS
		VN	20	-1.06	-0.000556	± 2.5	PASS
		VN	30	-1.54	-0.000808	± 2.5	PASS
		VN	40	0.15	0.000079	± 2.5	PASS
		VN	50	4.73	0.002483	± 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	4.79	0.002579	± 2.5	PASS
		VN	TN	-1.37	-0.000738	± 2.5	PASS
		VH	TN	0.42	0.000226	± 2.5	PASS
	MCH	VL	TN	4.17	0.002218	± 2.5	PASS
		VN	TN	2.6	0.001383	± 2.5	PASS
		VH	TN	4.52	0.002404	± 2.5	PASS
	HCH	VL	TN	2.84	0.001493	± 2.5	PASS
		VN	TN	3.55	0.001866	± 2.5	PASS
		VH	TN	2.21	0.001162	± 2.5	PASS
16QAM	LCH	VL	TN	3.13	0.001685	± 2.5	PASS
		VN	TN	0.33	0.000178	± 2.5	PASS
		VH	TN	3.2	0.001723	± 2.5	PASS
	MCH	VL	TN	3.14	0.001670	± 2.5	PASS
		VN	TN	3.51	0.001867	± 2.5	PASS
		VH	TN	0.47	0.000250	± 2.5	PASS
	HCH	VL	TN	4.45	0.002339	± 2.5	PASS
		VN	TN	3.02	0.001587	± 2.5	PASS
		VH	TN	3.19	0.001677	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.55	0.000296	± 2.5	PASS
		VN	-20	3.32	0.001787	± 2.5	PASS
		VN	-10	-0.5	-0.000269	± 2.5	PASS
		VN	0	-0.62	-0.000334	± 2.5	PASS
		VN	10	1.47	0.000791	± 2.5	PASS
		VN	20	2.66	0.001432	± 2.5	PASS
		VN	30	3.66	0.001970	± 2.5	PASS
		VN	40	-0.19	-0.000102	± 2.5	PASS
		VN	50	1.13	0.000608	± 2.5	PASS
	MCH	VN	-30	-0.99	-0.000527	± 2.5	PASS
		VN	-20	-0.55	-0.000293	± 2.5	PASS
		VN	-10	3.66	0.001947	± 2.5	PASS
		VN	0	4.96	0.002638	± 2.5	PASS
		VN	10	3.4	0.001809	± 2.5	PASS
		VN	20	-0.97	-0.000516	± 2.5	PASS

		VN	30	3.56	0.001894	± 2.5	PASS
		VN	40	2.77	0.001473	± 2.5	PASS
		VN	50	4.04	0.002149	± 2.5	PASS
	HCH	VN	-30	1.08	0.000568	± 2.5	PASS
		VN	-20	1.46	0.000767	± 2.5	PASS
		VN	-10	4.36	0.002292	± 2.5	PASS
		VN	0	-1.81	-0.000951	± 2.5	PASS
		VN	10	0.49	0.000258	± 2.5	PASS
		VN	20	0.65	0.000342	± 2.5	PASS
		VN	30	3.58	0.001882	± 2.5	PASS
		VN	40	-1.2	-0.000631	± 2.5	PASS
		VN	50	3.71	0.001950	± 2.5	PASS
QPSK	LCH	VN	-30	1.61	0.000867	± 2.5	PASS
		VN	-20	4.28	0.002304	± 2.5	PASS
		VN	-10	3.66	0.001970	± 2.5	PASS
		VN	0	-0.18	-0.000097	± 2.5	PASS
		VN	10	4.64	0.002498	± 2.5	PASS
		VN	20	1.83	0.000985	± 2.5	PASS
		VN	30	-1.18	-0.000635	± 2.5	PASS
		VN	40	0.79	0.000425	± 2.5	PASS
		VN	50	-0.27	-0.000145	± 2.5	PASS
	MCH	VN	-30	4.7	0.002500	± 2.5	PASS
		VN	-20	0.15	0.000080	± 2.5	PASS
		VN	-10	2.42	0.001287	± 2.5	PASS
		VN	0	0.85	0.000452	± 2.5	PASS
		VN	10	0.81	0.000431	± 2.5	PASS
		VN	20	0.84	0.000447	± 2.5	PASS
		VN	30	3.35	0.001782	± 2.5	PASS
		VN	40	-0.47	-0.000250	± 2.5	PASS
		VN	50	0.26	0.000138	± 2.5	PASS
	HCH	VN	-30	4.62	0.002428	± 2.5	PASS
		VN	-20	1.31	0.000689	± 2.5	PASS
		VN	-10	-1.84	-0.000967	± 2.5	PASS
		VN	0	1.07	0.000562	± 2.5	PASS
		VN	10	3.32	0.001745	± 2.5	PASS
		VN	20	-0.44	-0.000231	± 2.5	PASS
		VN	30	0.43	0.000226	± 2.5	PASS
		VN	40	-1.53	-0.000804	± 2.5	PASS
		VN	50	-0.31	-0.000163	± 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	3.04	0.001634	± 2.5	PASS
		VN	TN	3.07	0.001651	± 2.5	PASS
		VH	TN	0.45	0.000242	± 2.5	PASS
	MCH	VL	TN	-0.94	-0.000500	± 2.5	PASS
		VN	TN	2.38	0.001266	± 2.5	PASS
		VH	TN	2.84	0.001511	± 2.5	PASS
	HCH	VL	TN	0.83	0.000437	± 2.5	PASS
		VN	TN	2.47	0.001300	± 2.5	PASS
		VH	TN	1.06	0.000558	± 2.5	PASS
16QAM	LCH	VL	TN	1.34	0.000720	± 2.5	PASS
		VN	TN	2	0.001075	± 2.5	PASS
		VH	TN	-1.09	-0.000586	± 2.5	PASS
	MCH	VL	TN	1.98	0.001053	± 2.5	PASS
		VN	TN	-0.97	-0.000516	± 2.5	PASS
		VH	TN	2.95	0.001569	± 2.5	PASS
	HCH	VL	TN	3.81	0.002005	± 2.5	PASS
		VN	TN	-1.77	-0.000932	± 2.5	PASS
		VH	TN	0.53	0.000279	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.41	-0.000220	± 2.5	PASS
		VN	-20	1.07	0.000575	± 2.5	PASS
		VN	-10	2.09	0.001124	± 2.5	PASS
		VN	0	2.57	0.001382	± 2.5	PASS
		VN	10	-1.37	-0.000737	± 2.5	PASS
		VN	20	-1.85	-0.000995	± 2.5	PASS
		VN	30	-1.38	-0.000742	± 2.5	PASS
		VN	40	2.19	0.001177	± 2.5	PASS
		VN	50	1.92	0.001032	± 2.5	PASS
	MCH	VN	-30	2.33	0.001239	± 2.5	PASS
		VN	-20	-0.4	-0.000213	± 2.5	PASS
		VN	-10	1.12	0.000596	± 2.5	PASS
		VN	0	-0.14	-0.000074	± 2.5	PASS
		VN	10	0.22	0.000117	± 2.5	PASS
		VN	20	0.86	0.000457	± 2.5	PASS

		VN	30	-1.6	-0.000851	± 2.5	PASS
		VN	40	4.09	0.002176	± 2.5	PASS
		VN	50	3.12	0.001660	± 2.5	PASS
	HCH	VN	-30	0.28	0.000147	± 2.5	PASS
		VN	-20	0.63	0.000332	± 2.5	PASS
		VN	-10	4.55	0.002395	± 2.5	PASS
		VN	0	3.98	0.002095	± 2.5	PASS
		VN	10	4.71	0.002479	± 2.5	PASS
		VN	20	1.62	0.000853	± 2.5	PASS
		VN	30	1.9	0.001000	± 2.5	PASS
		VN	40	0.56	0.000295	± 2.5	PASS
		VN	50	0.99	0.000521	± 2.5	PASS
QPSK	LCH	VN	-30	3.14	0.001688	± 2.5	PASS
		VN	-20	1.12	0.000602	± 2.5	PASS
		VN	-10	1.42	0.000763	± 2.5	PASS
		VN	0	-1.71	-0.000919	± 2.5	PASS
		VN	10	2.52	0.001355	± 2.5	PASS
		VN	20	-0.5	-0.000269	± 2.5	PASS
		VN	30	4.2	0.002258	± 2.5	PASS
		VN	40	1.5	0.000806	± 2.5	PASS
		VN	50	-1.34	-0.000720	± 2.5	PASS
	MCH	VN	-30	4.92	0.002617	± 2.5	PASS
		VN	-20	-0.35	-0.000186	± 2.5	PASS
		VN	-10	2.24	0.001191	± 2.5	PASS
		VN	0	2.58	0.001372	± 2.5	PASS
		VN	10	3.62	0.001926	± 2.5	PASS
		VN	20	3.59	0.001910	± 2.5	PASS
		VN	30	3.4	0.001809	± 2.5	PASS
		VN	40	-1.11	-0.000590	± 2.5	PASS
		VN	50	2.22	0.001181	± 2.5	PASS
	HCH	VN	-30	-1.04	-0.000547	± 2.5	PASS
		VN	-20	-1.68	-0.000884	± 2.5	PASS
		VN	-10	0.65	0.000342	± 2.5	PASS
		VN	0	2.8	0.001474	± 2.5	PASS
		VN	10	-0.07	-0.000037	± 2.5	PASS
		VN	20	0.04	0.000021	± 2.5	PASS
		VN	30	-1.73	-0.000911	± 2.5	PASS
		VN	40	2.35	0.001237	± 2.5	PASS
		VN	50	4.25	0.002237	± 2.5	PASS