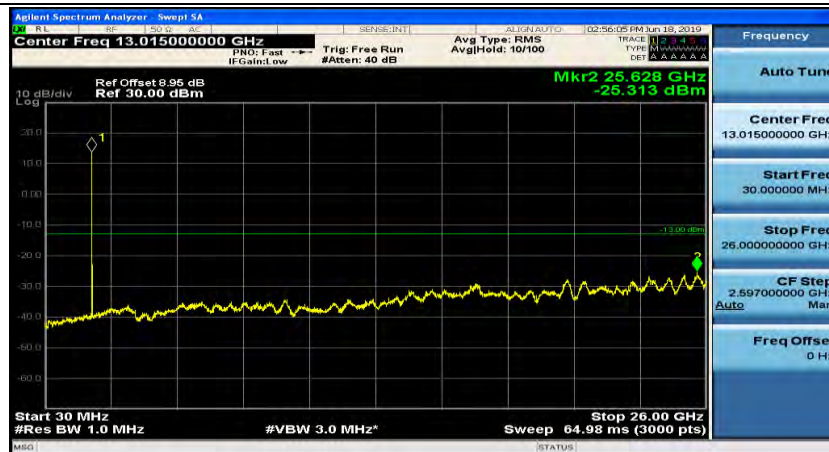
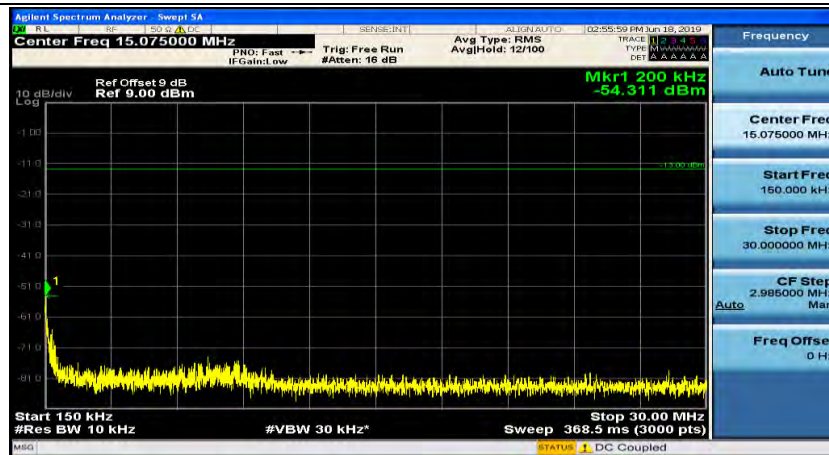
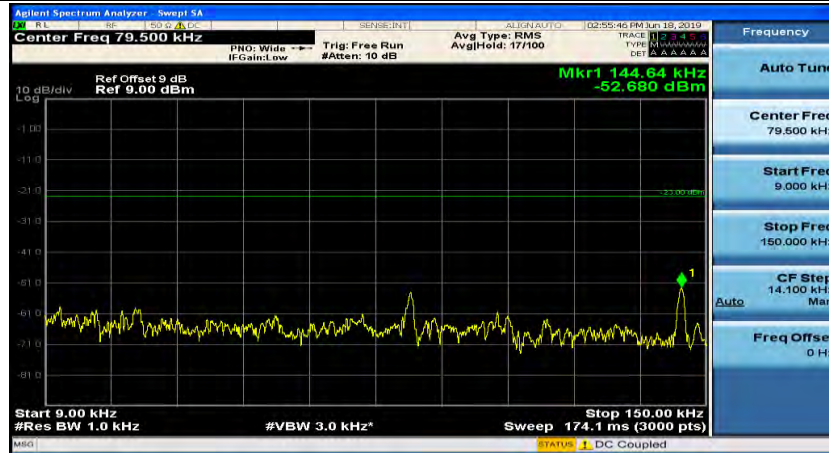
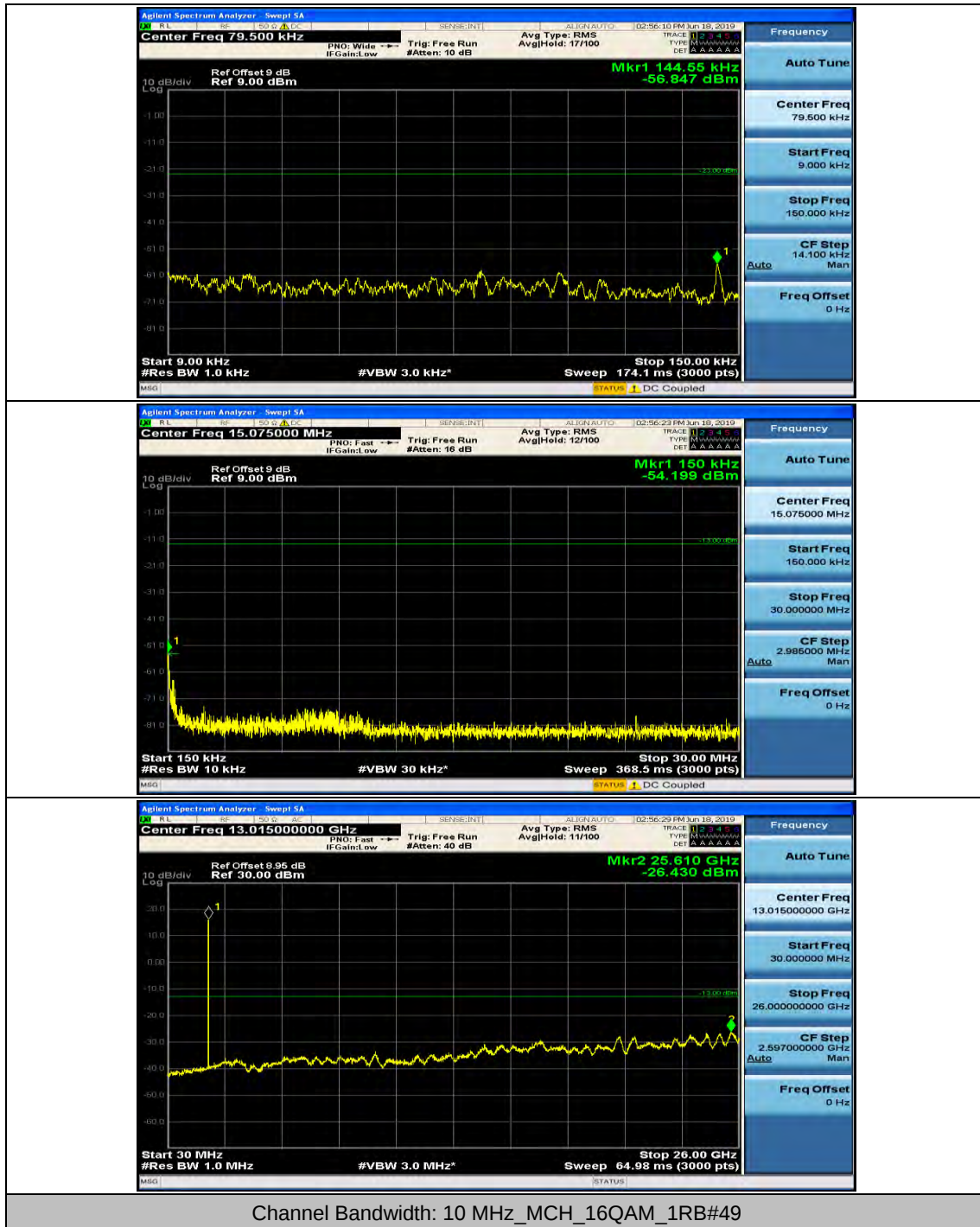
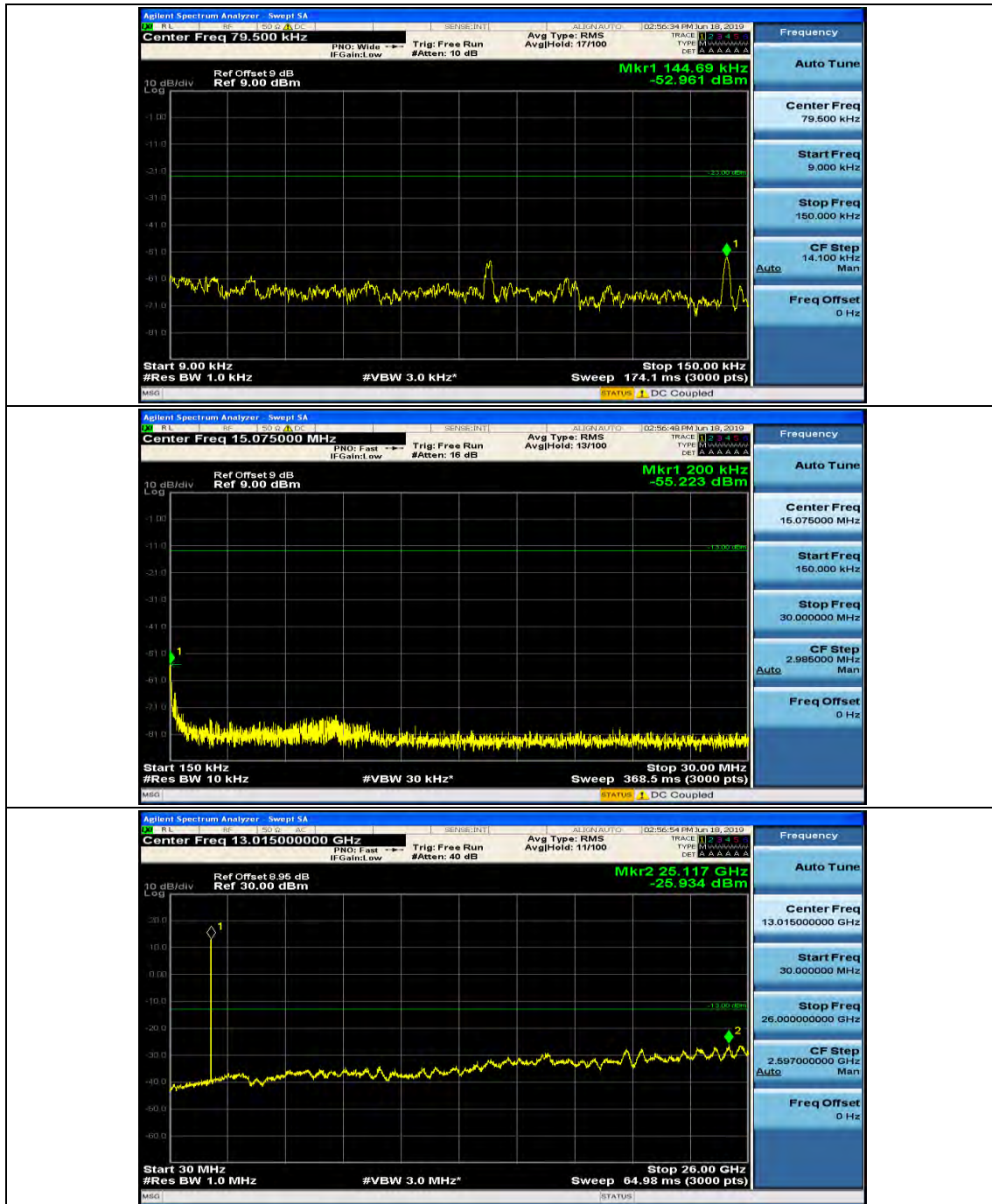


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

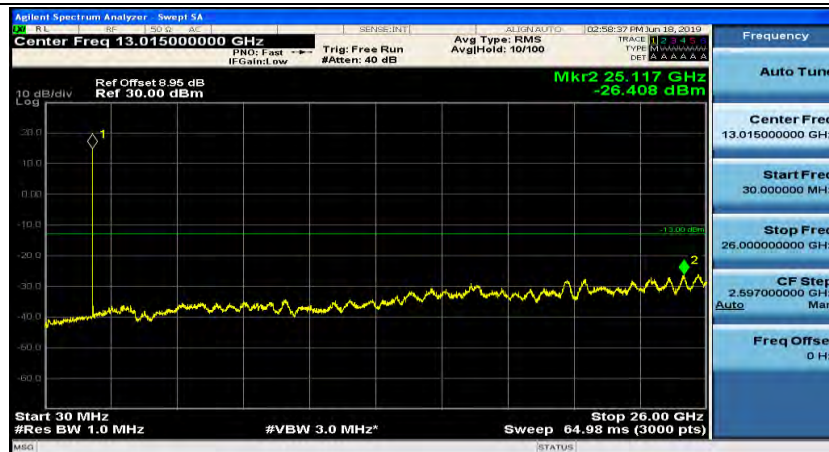
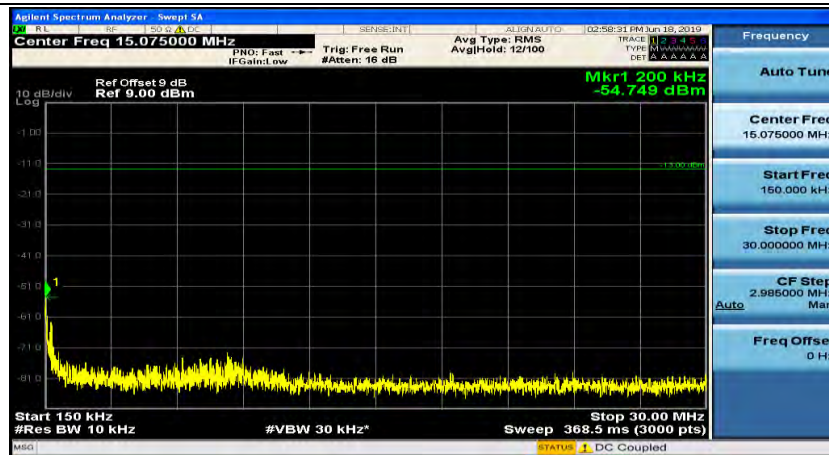


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

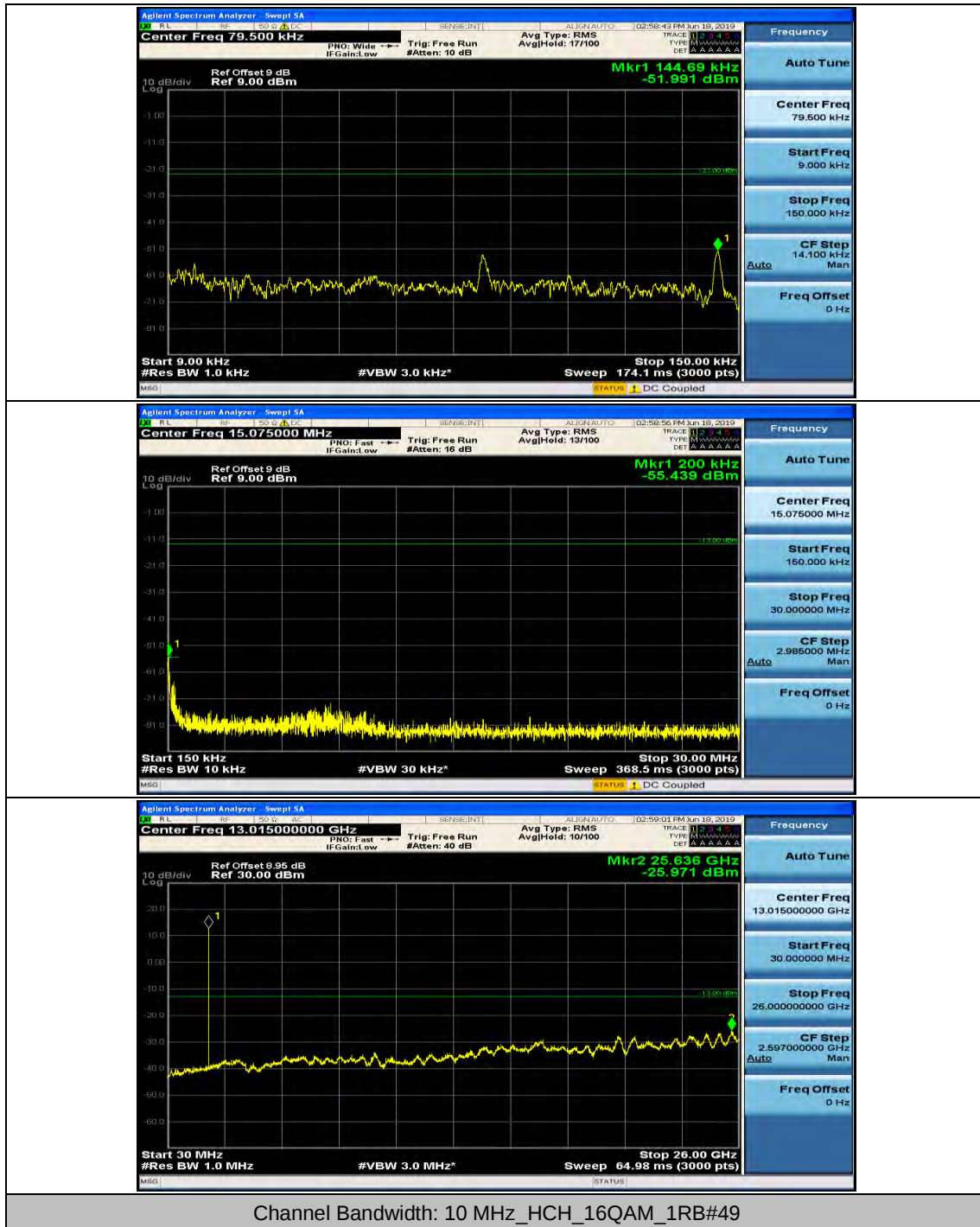


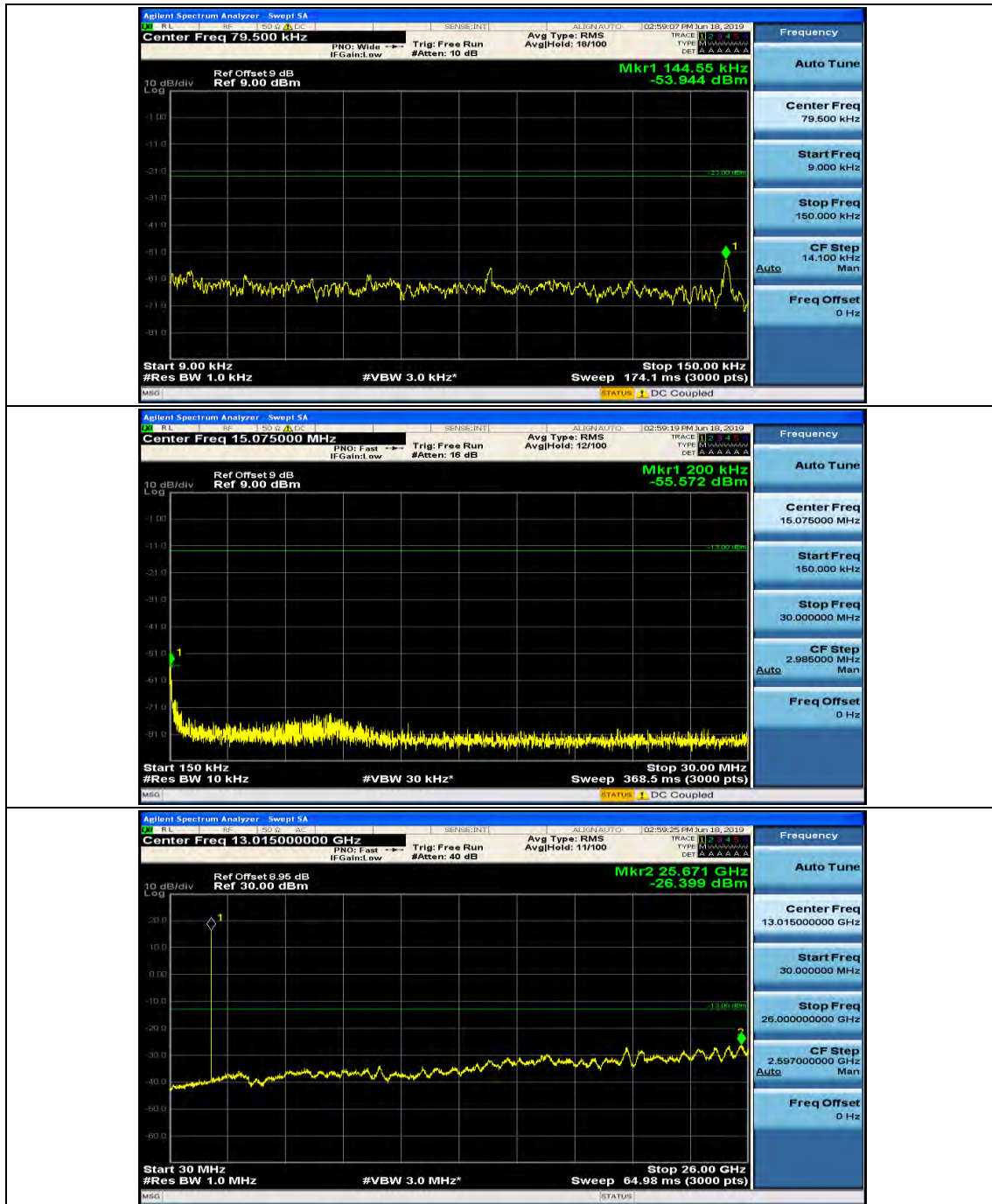


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

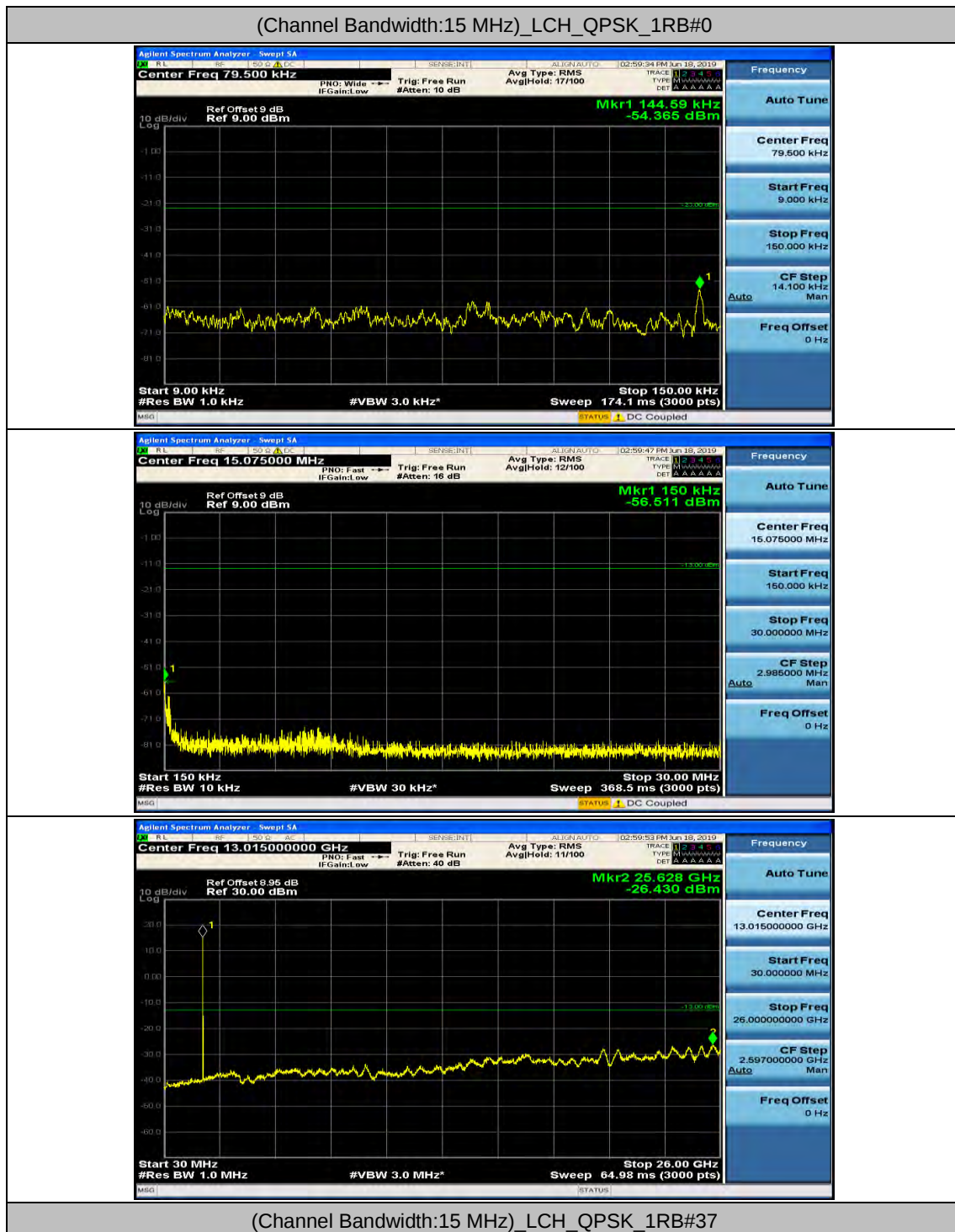


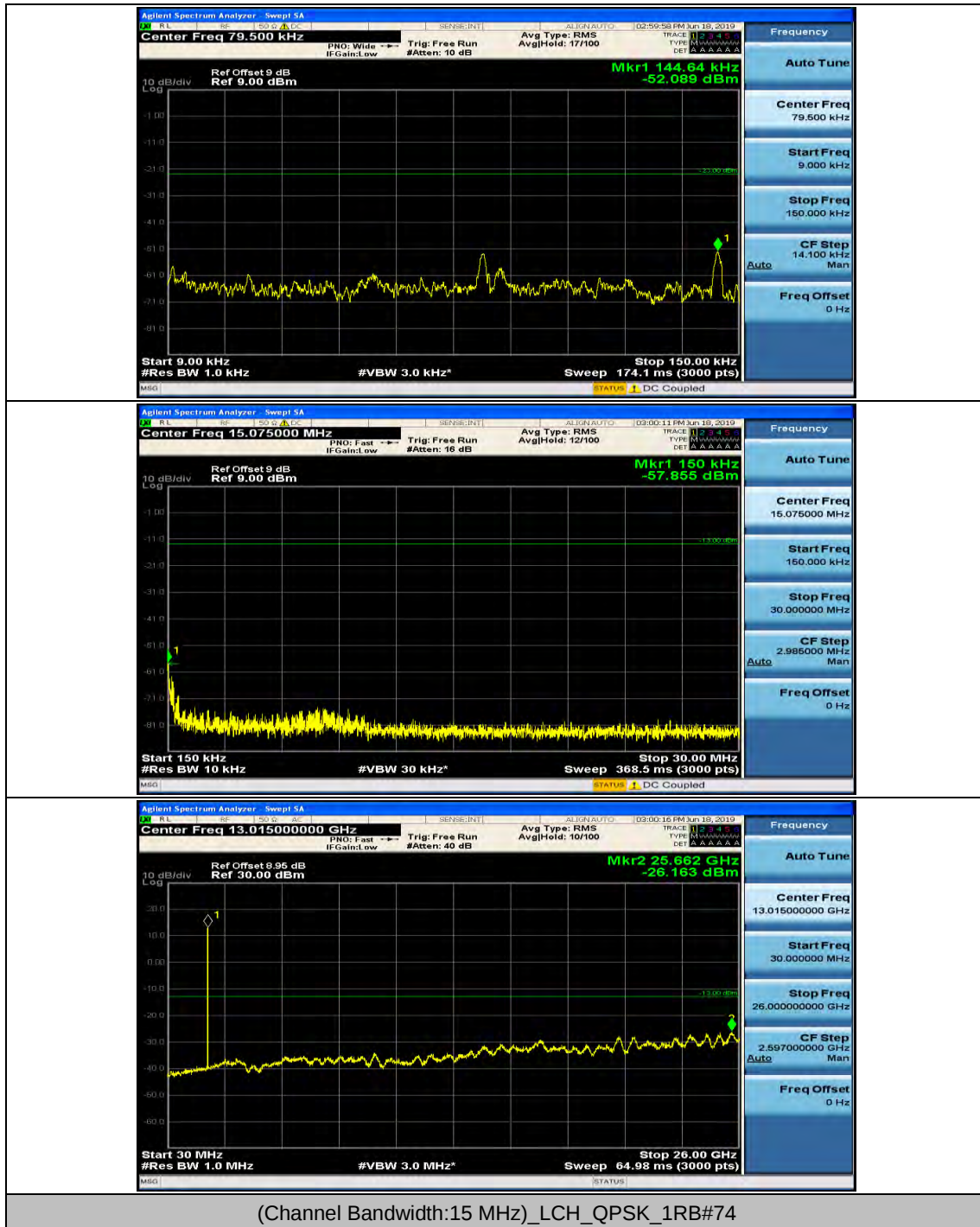
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

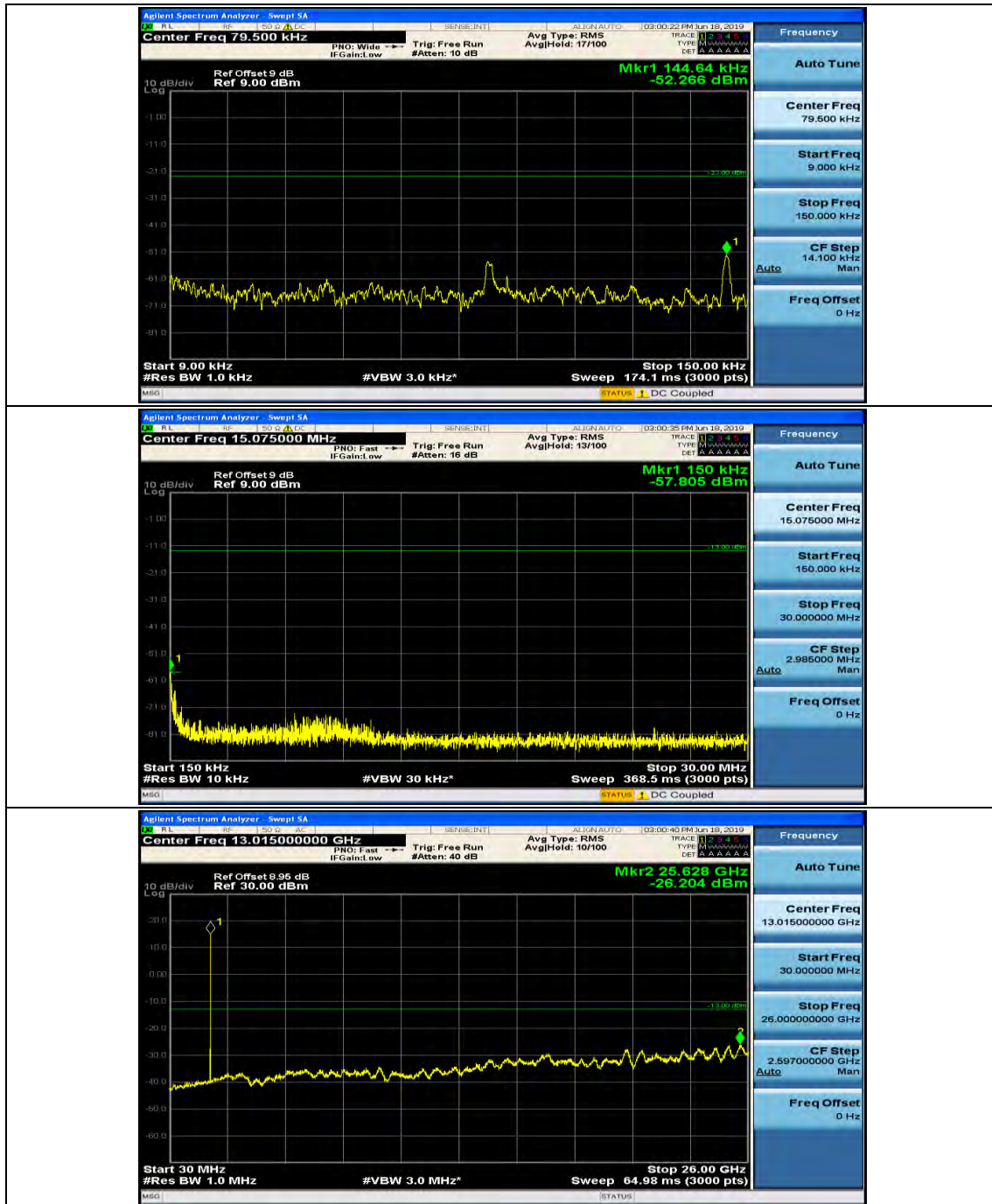




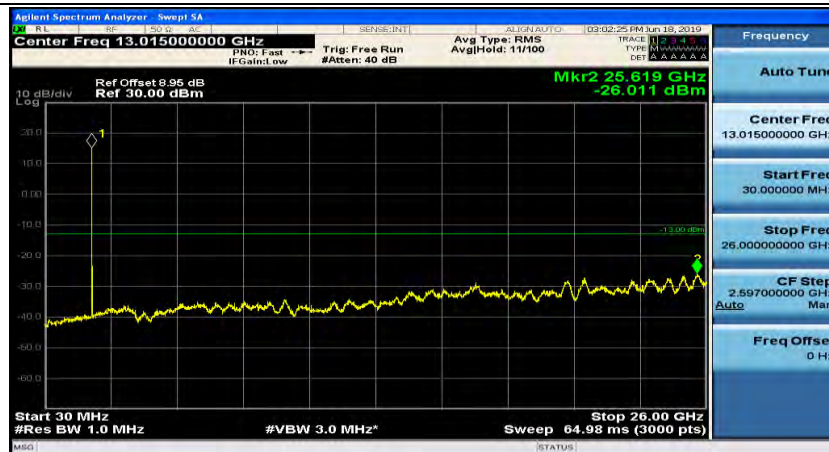
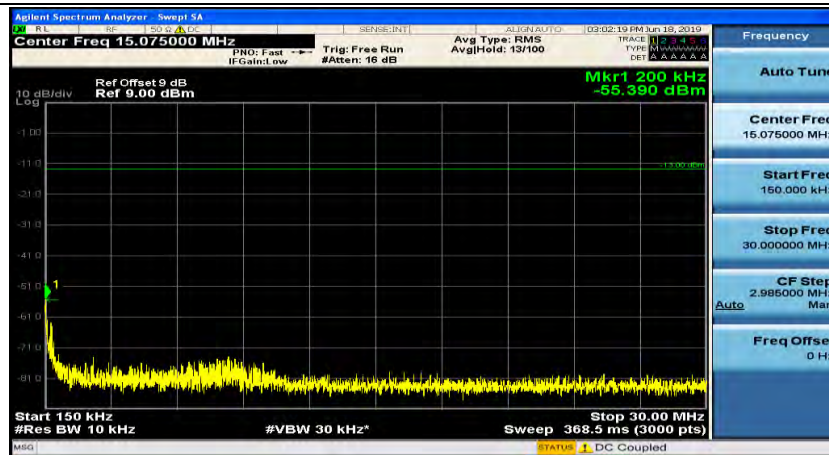
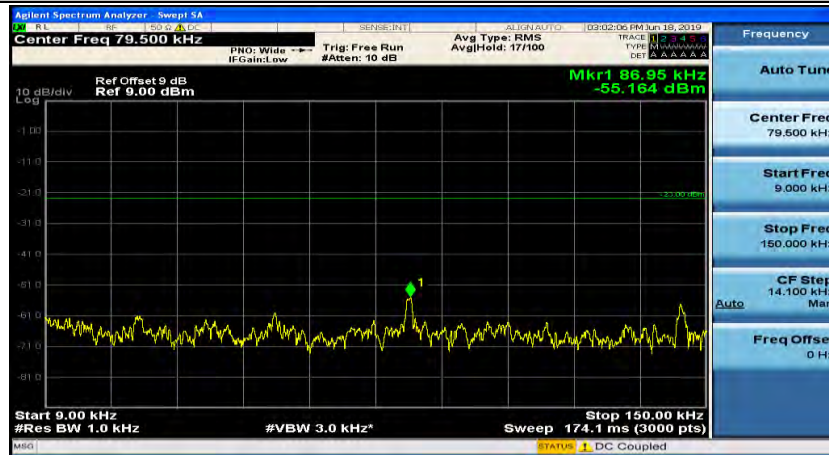
Channel Bandwidth: 15 MHz



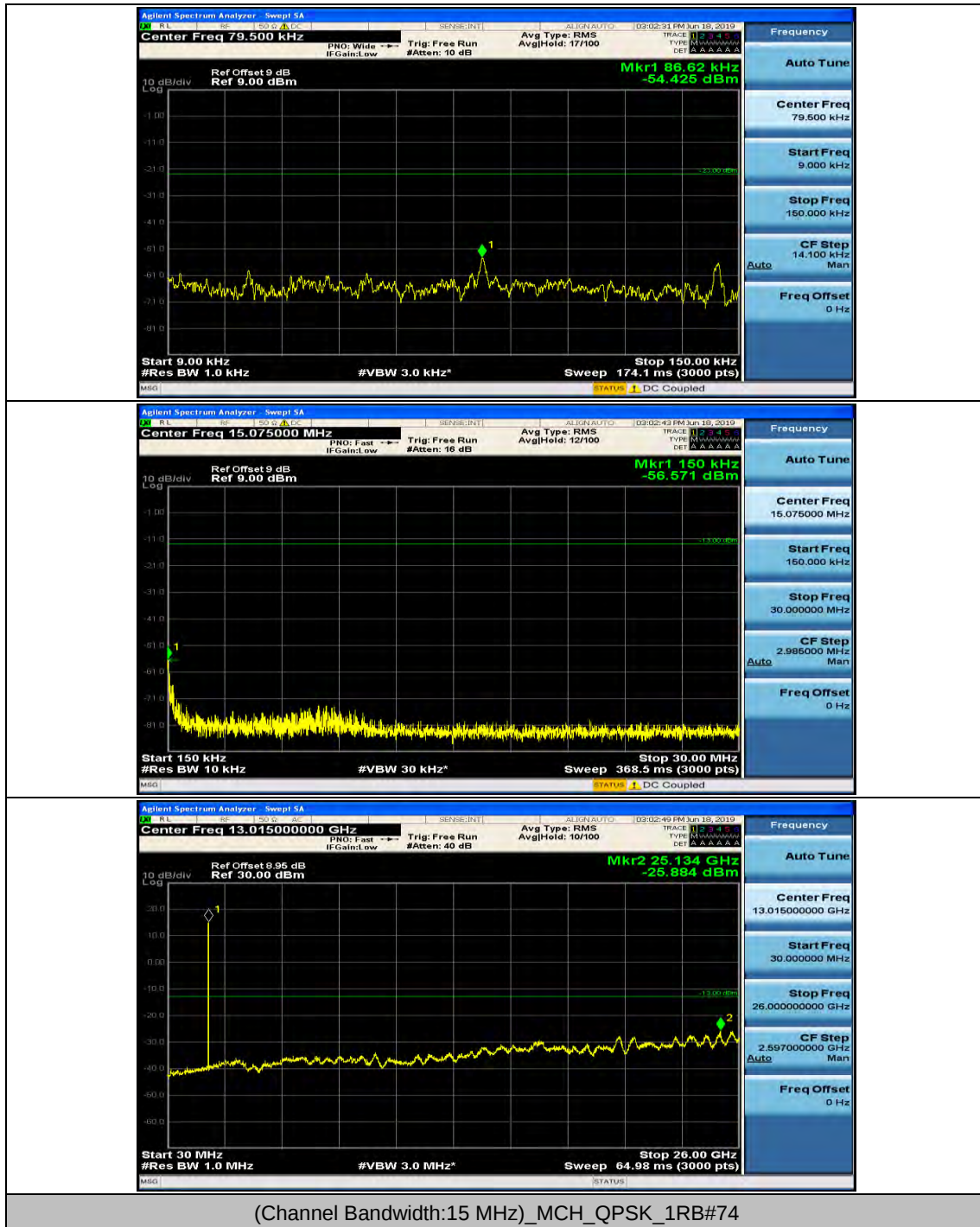


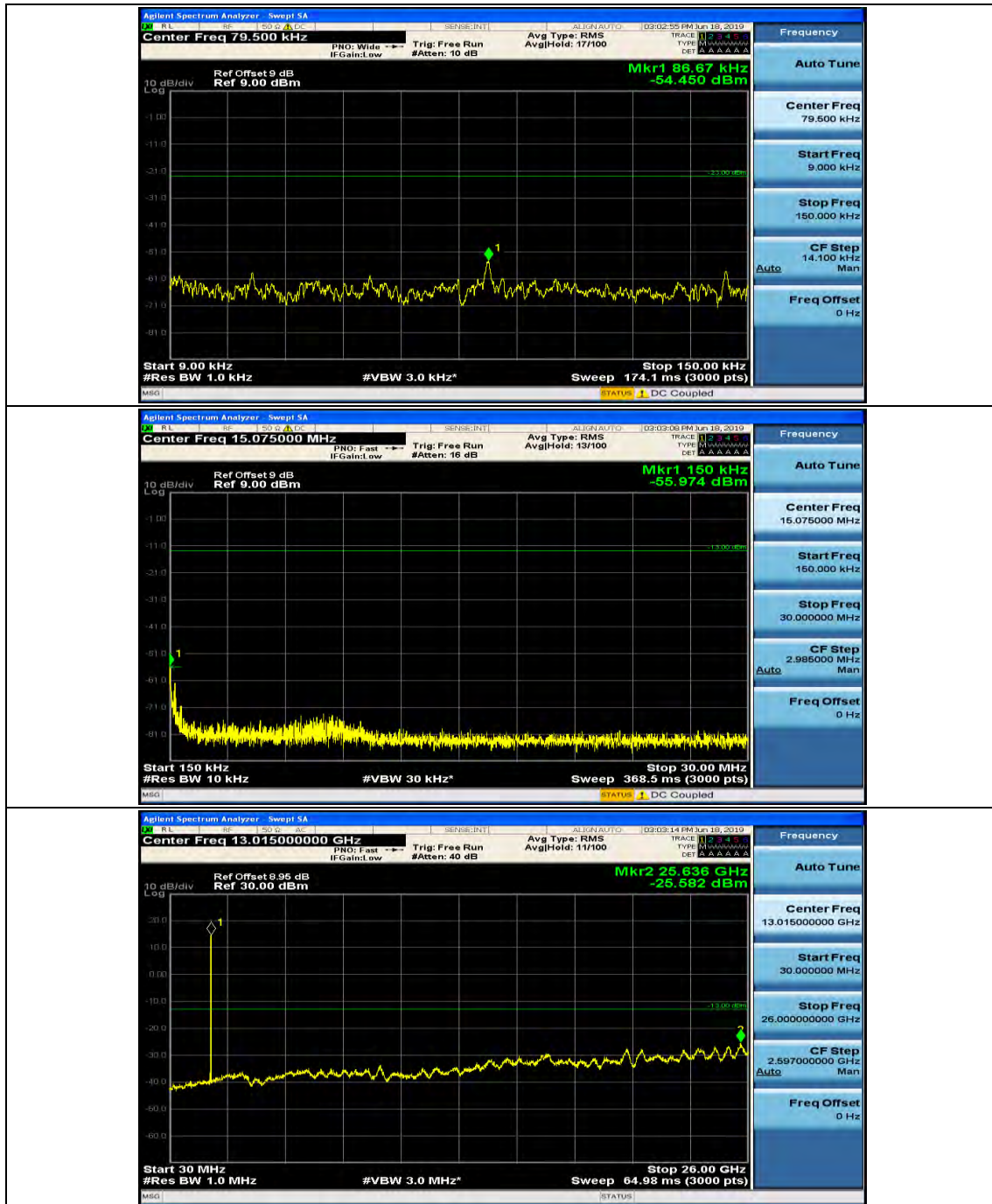


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

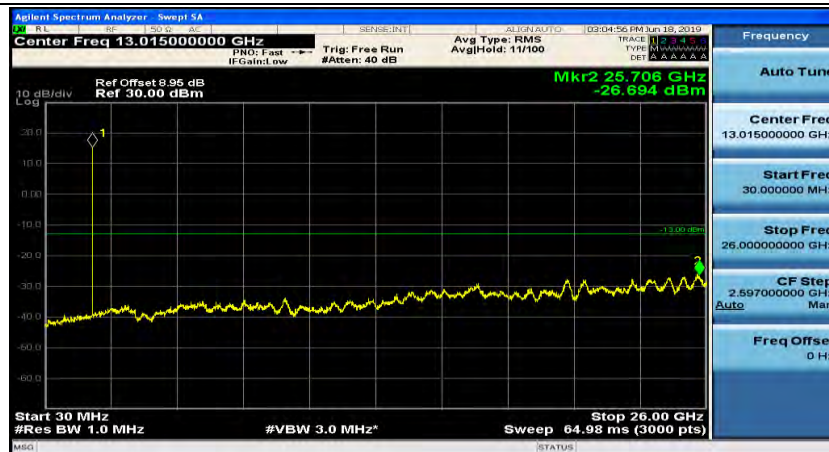
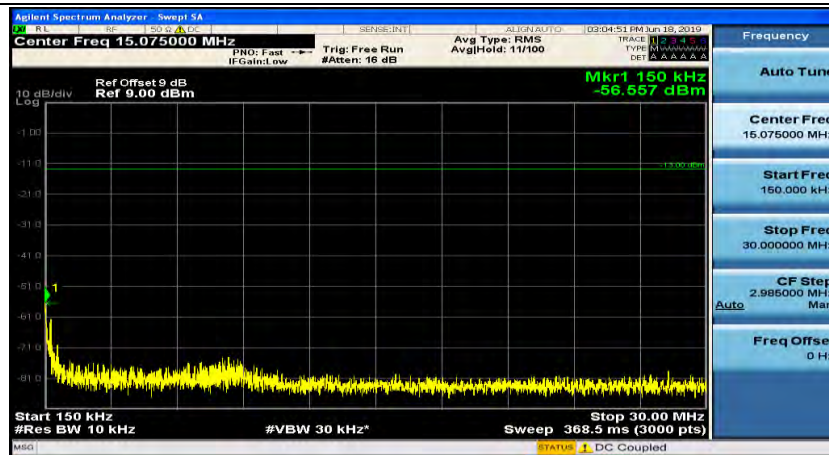


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

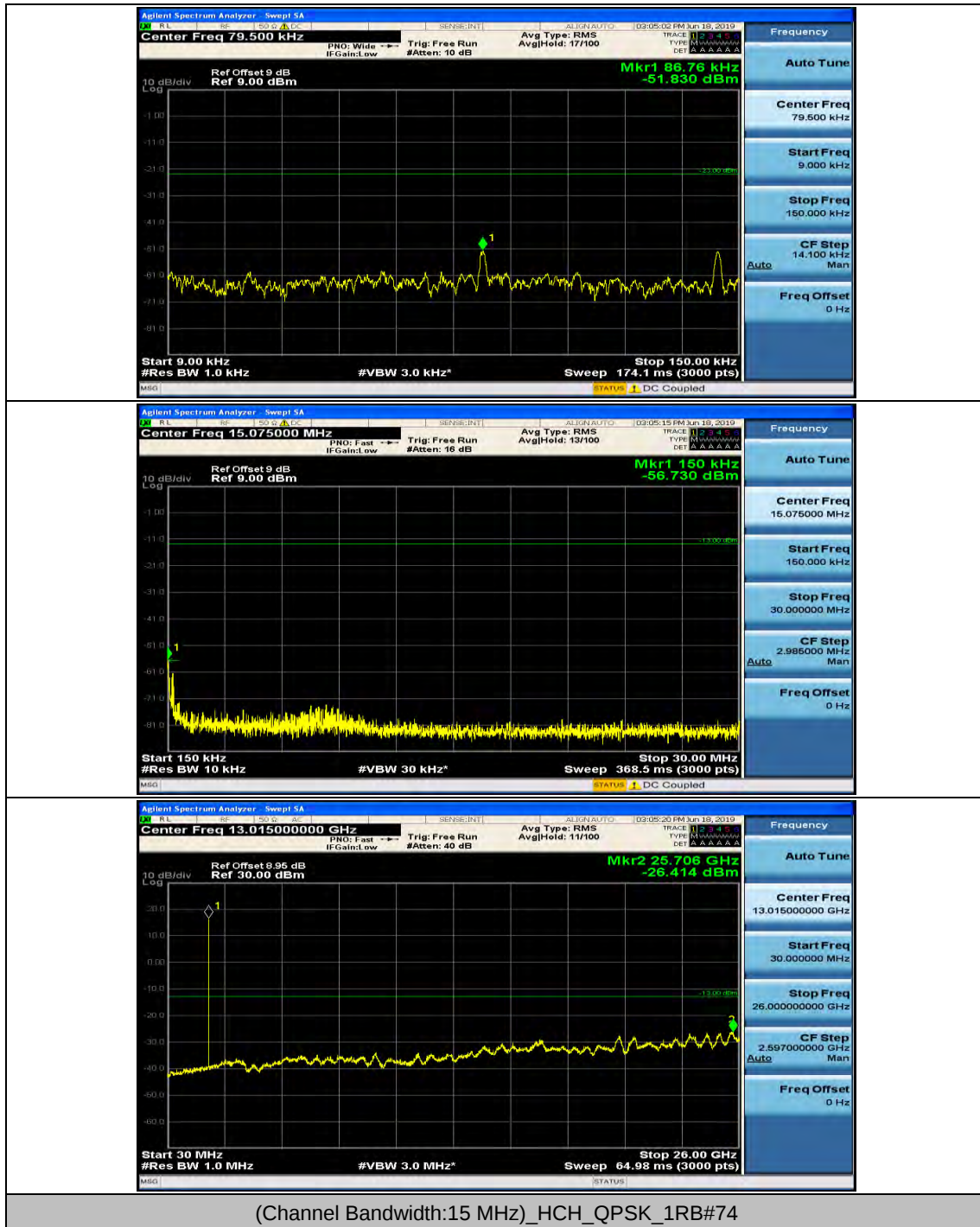


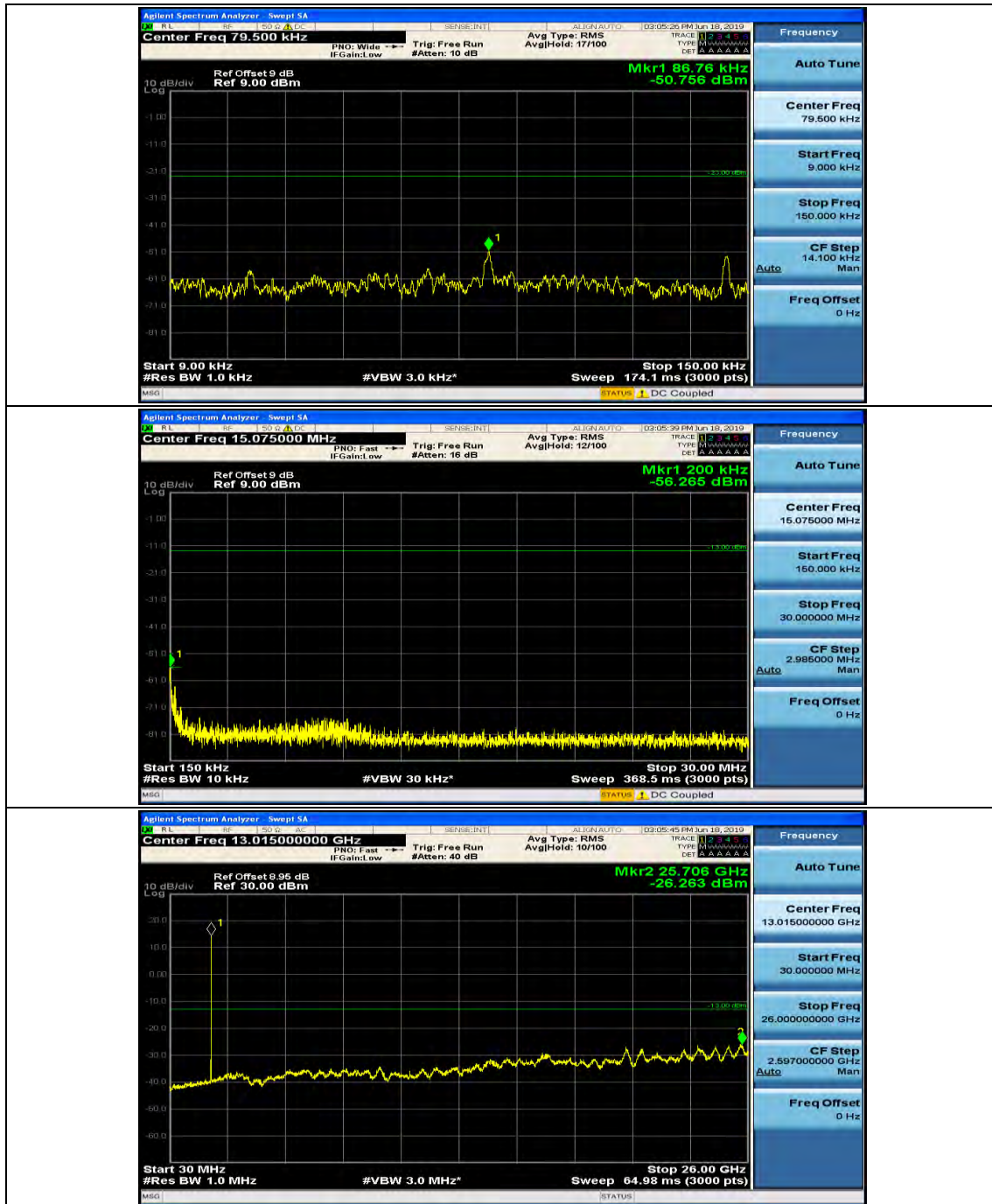


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

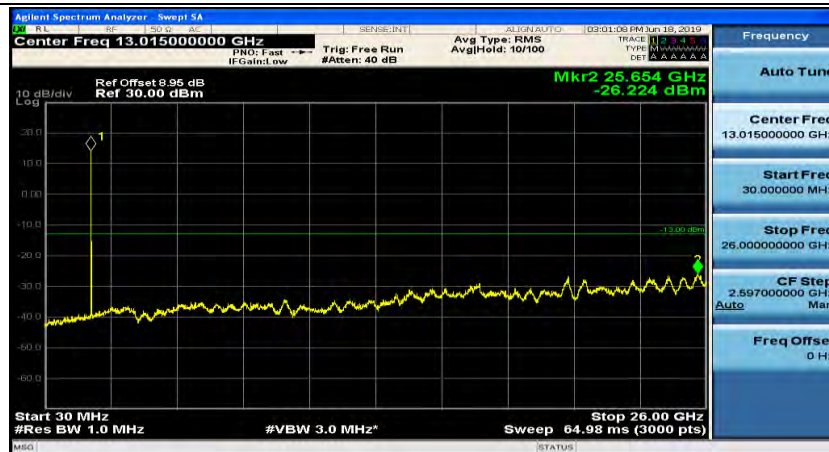
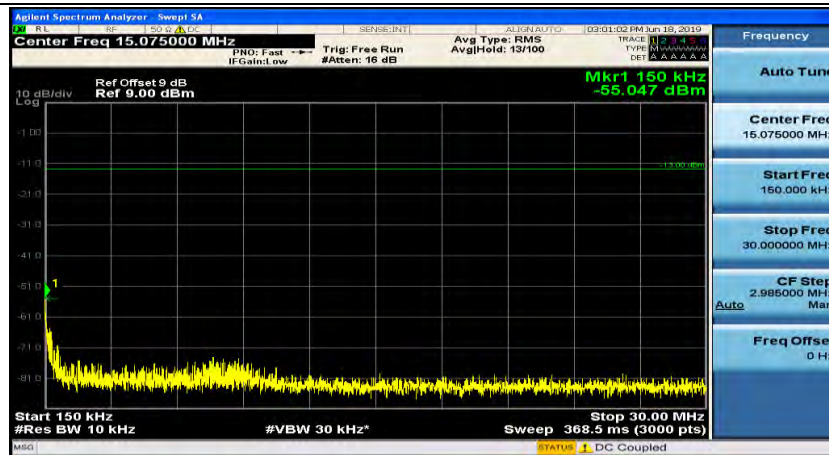


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

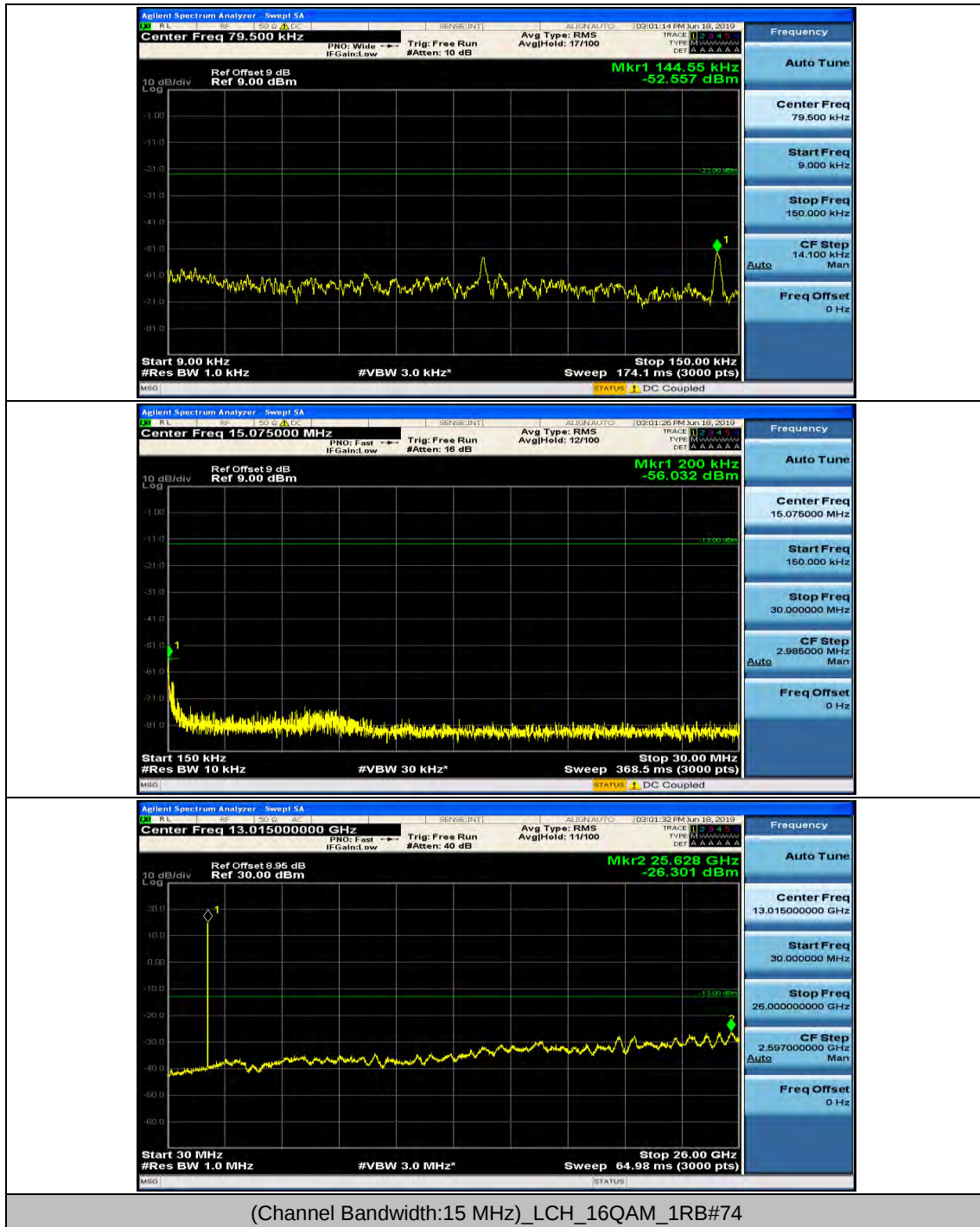


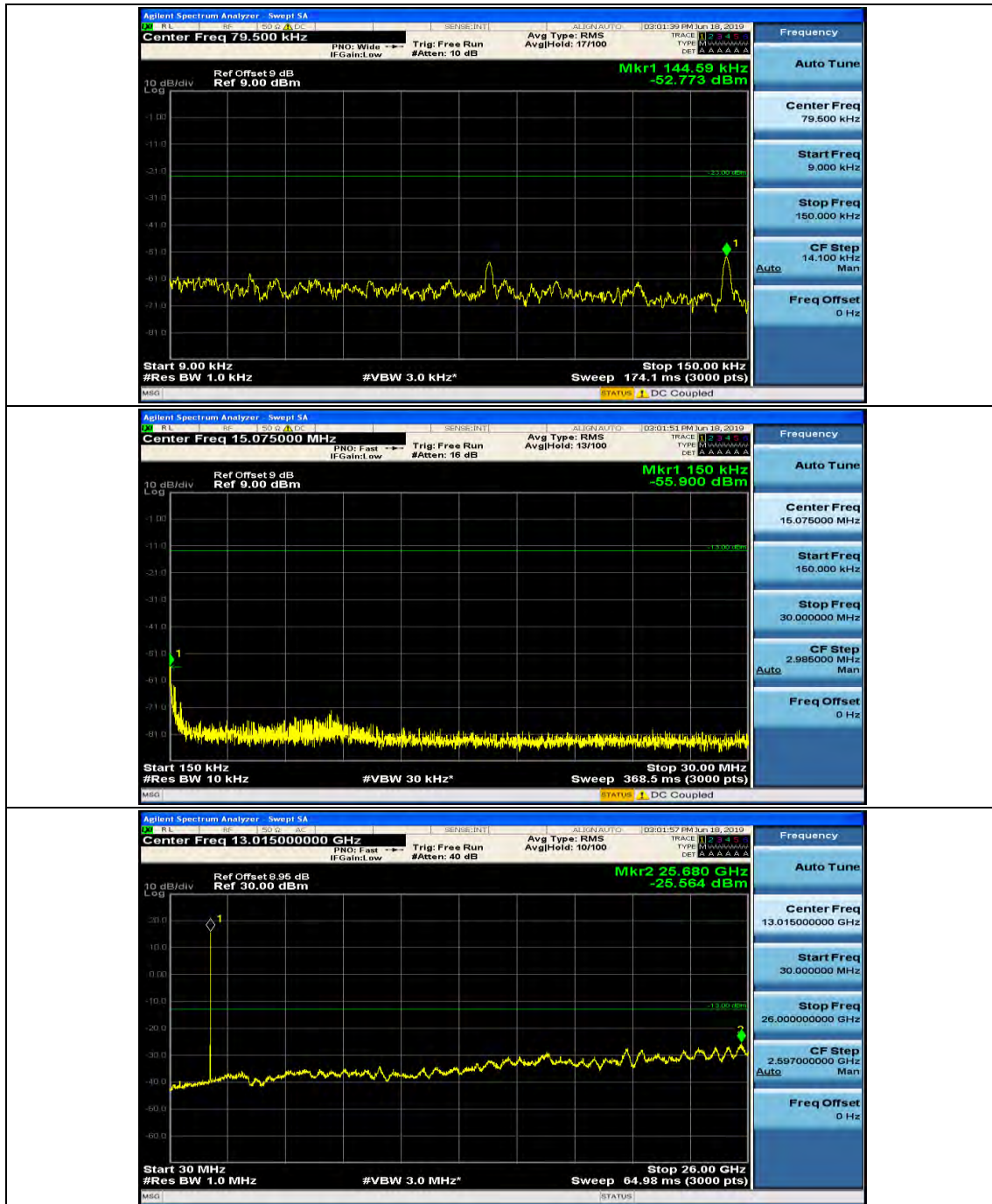


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

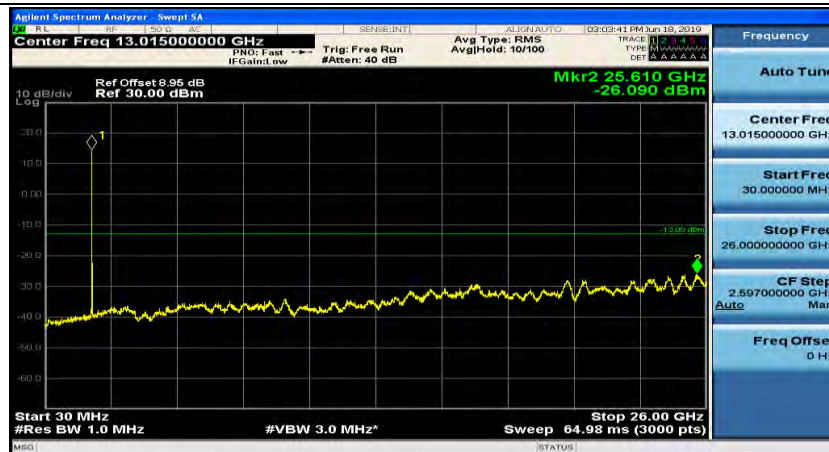
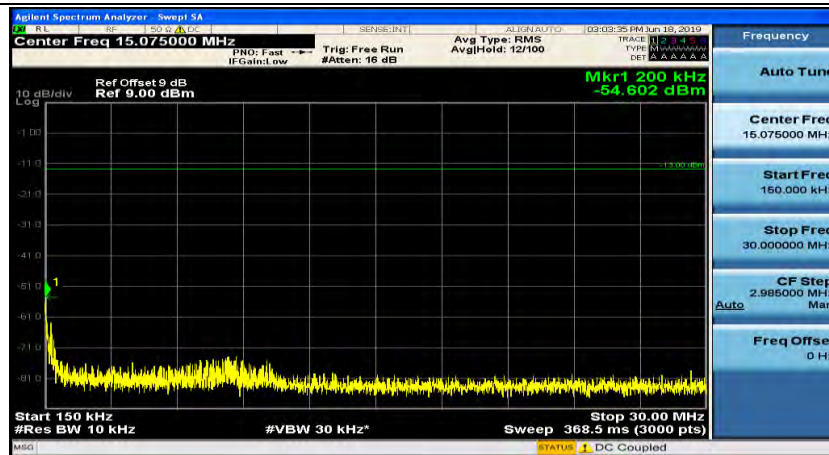


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

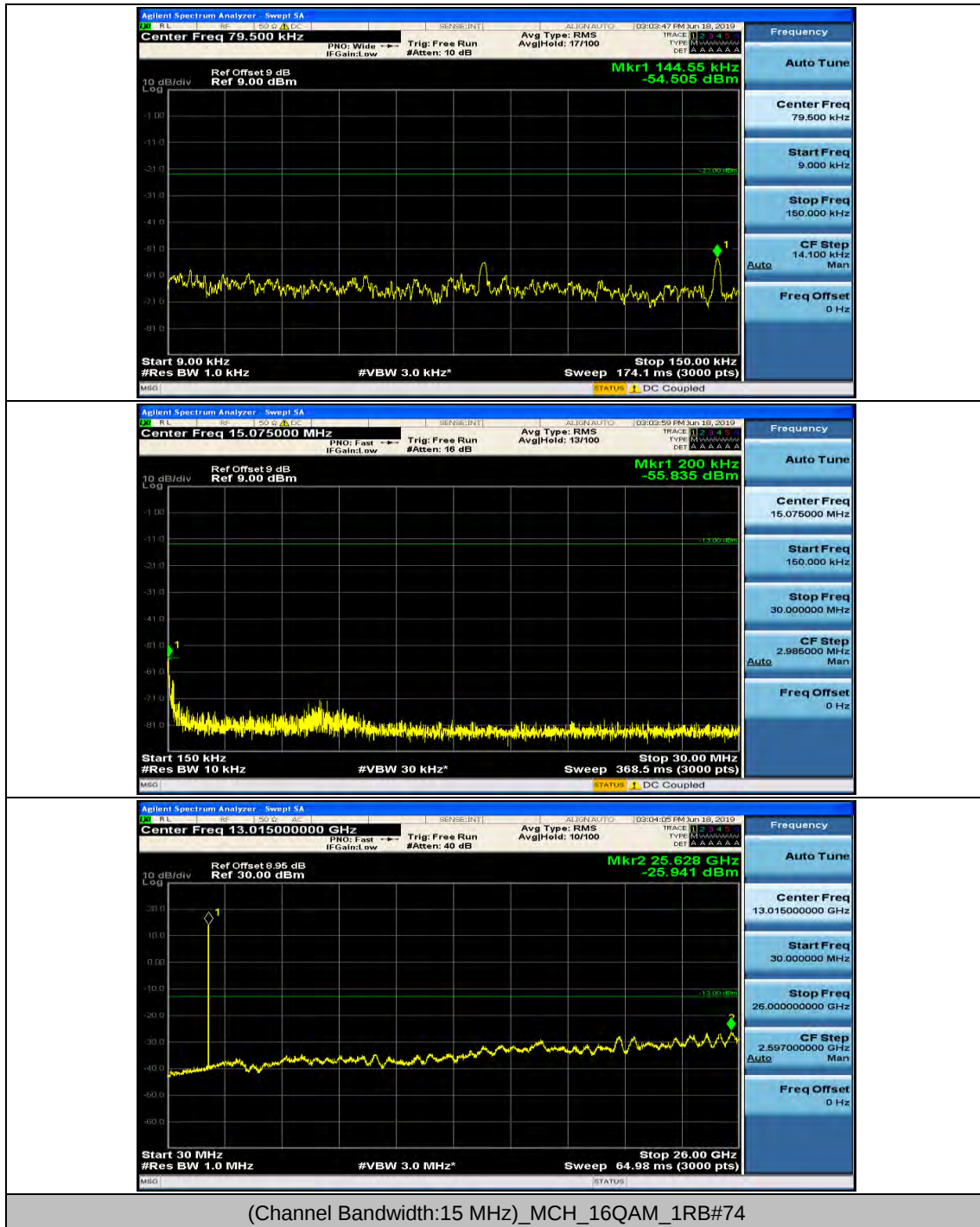


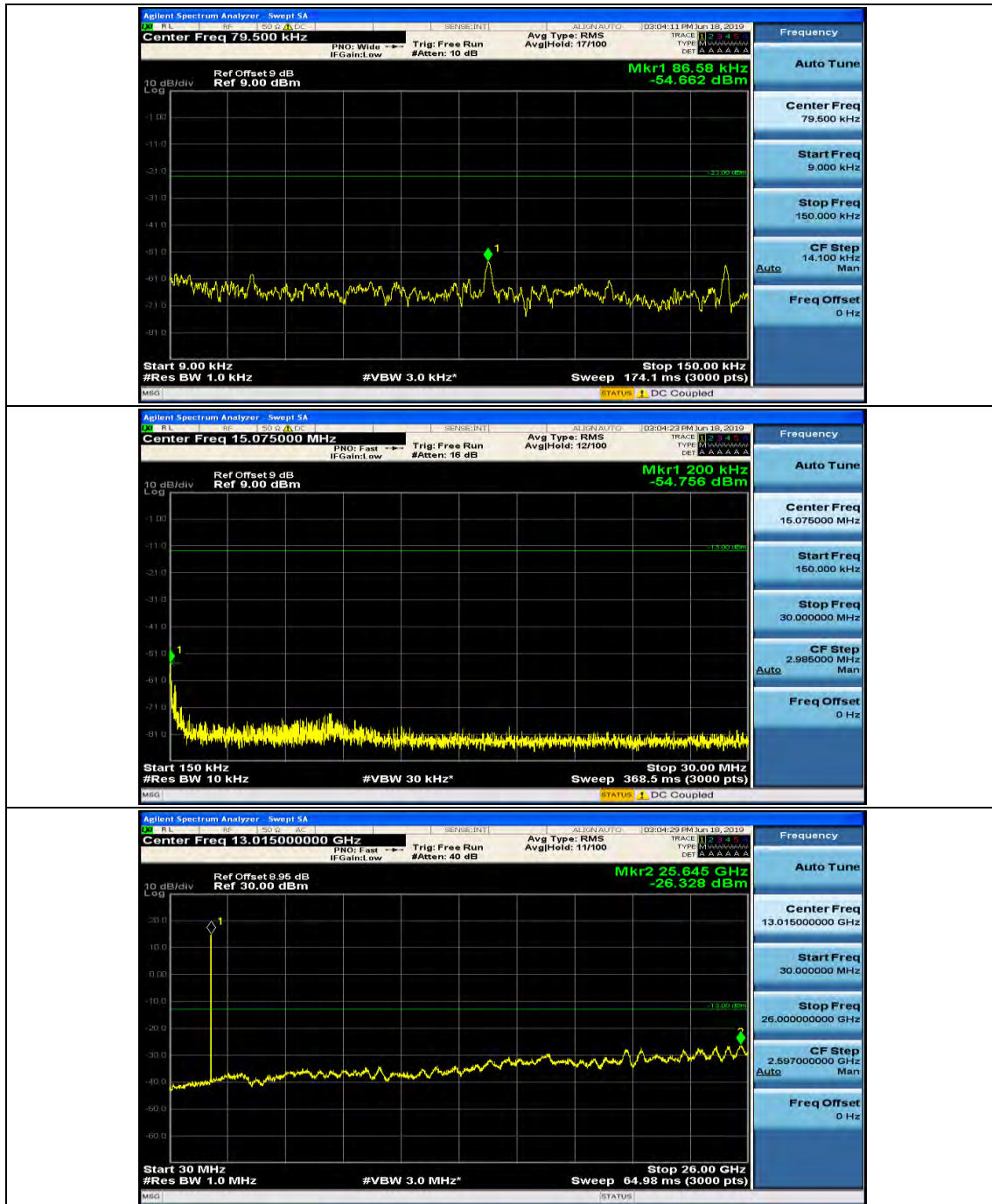


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

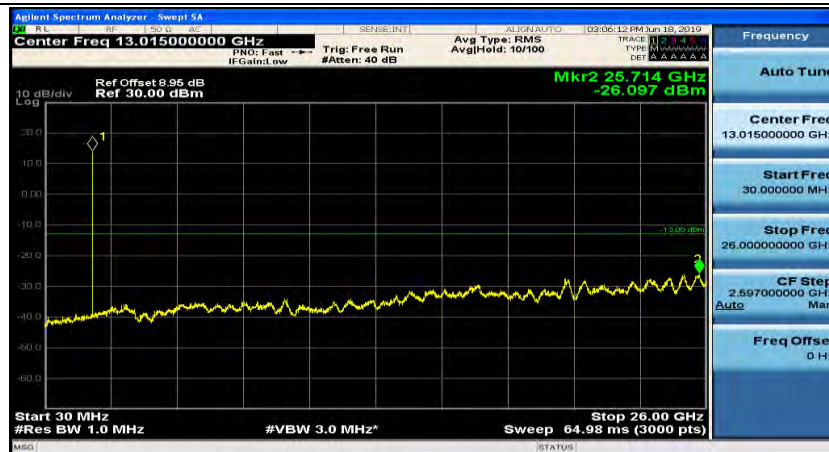
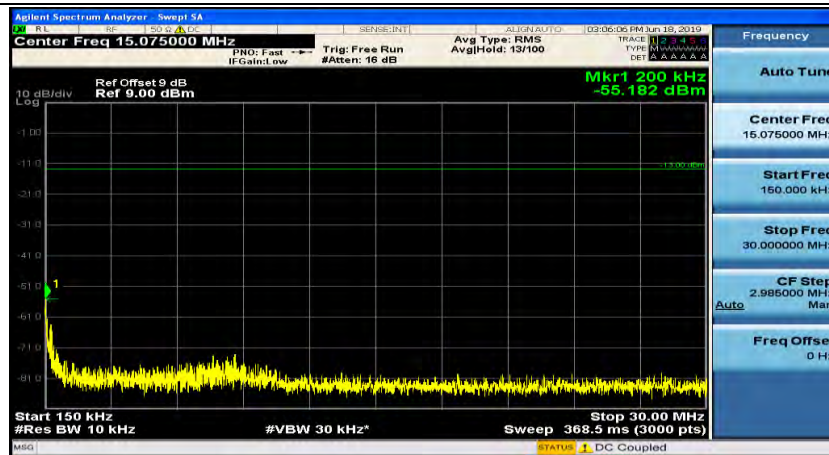


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

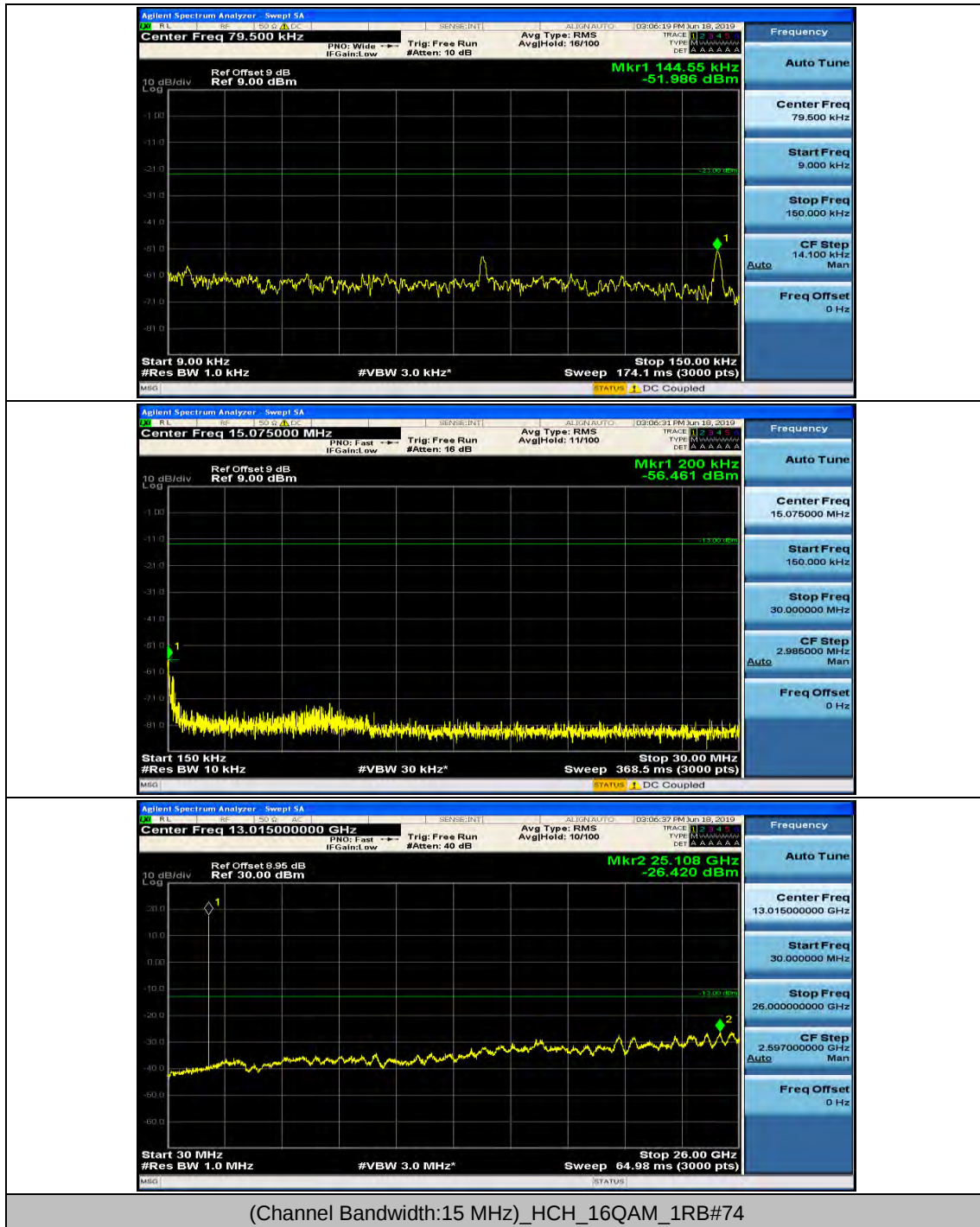


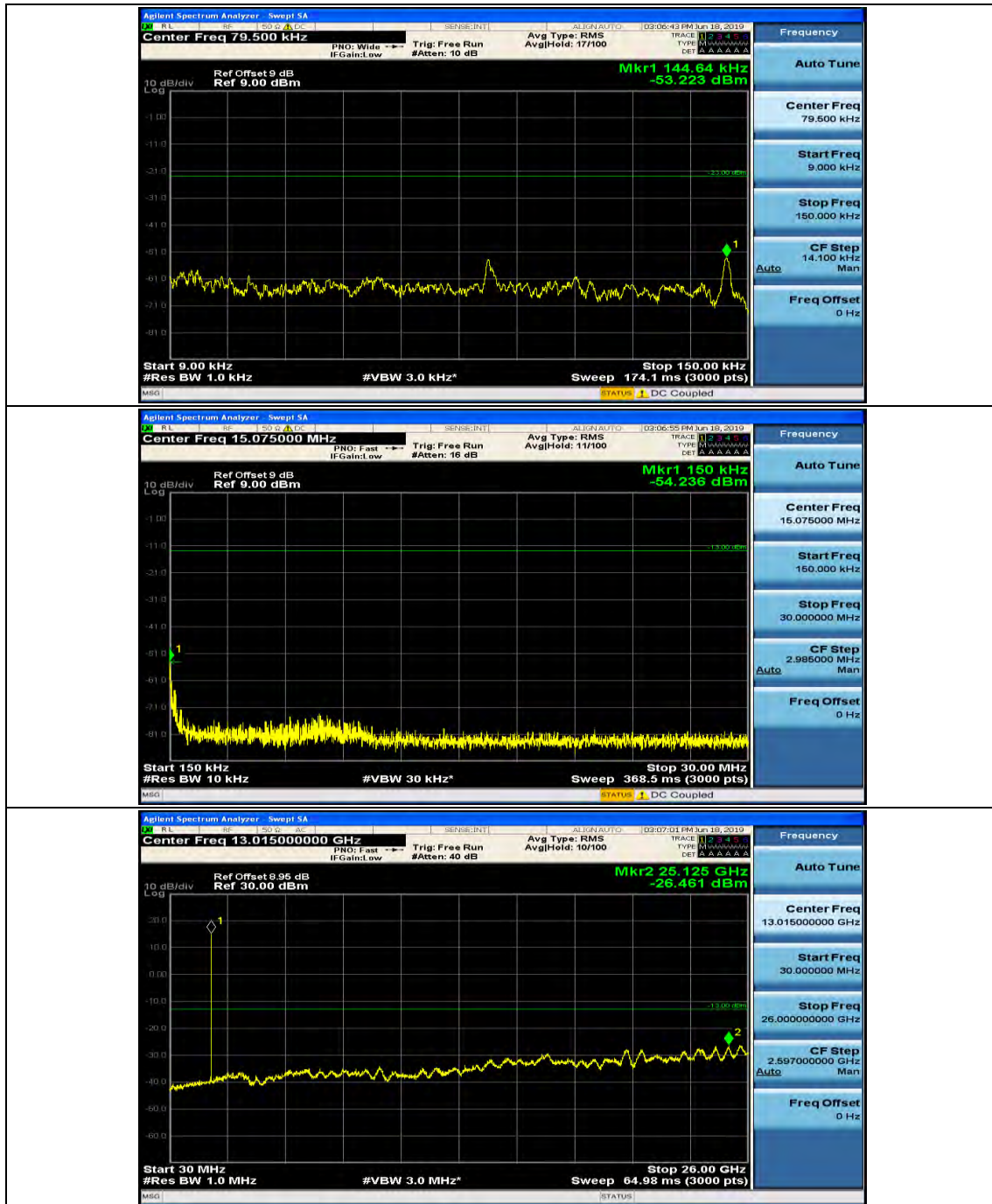


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

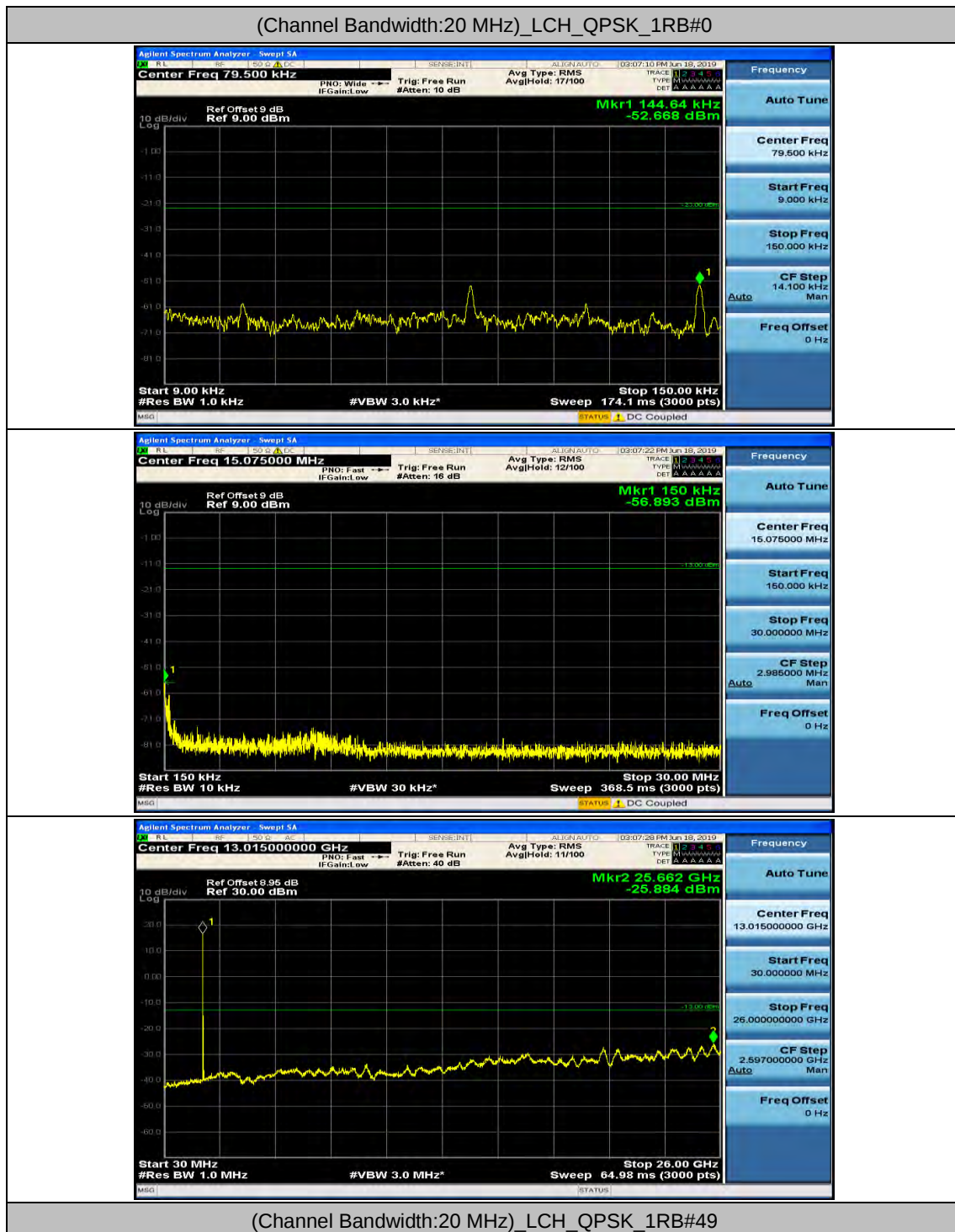


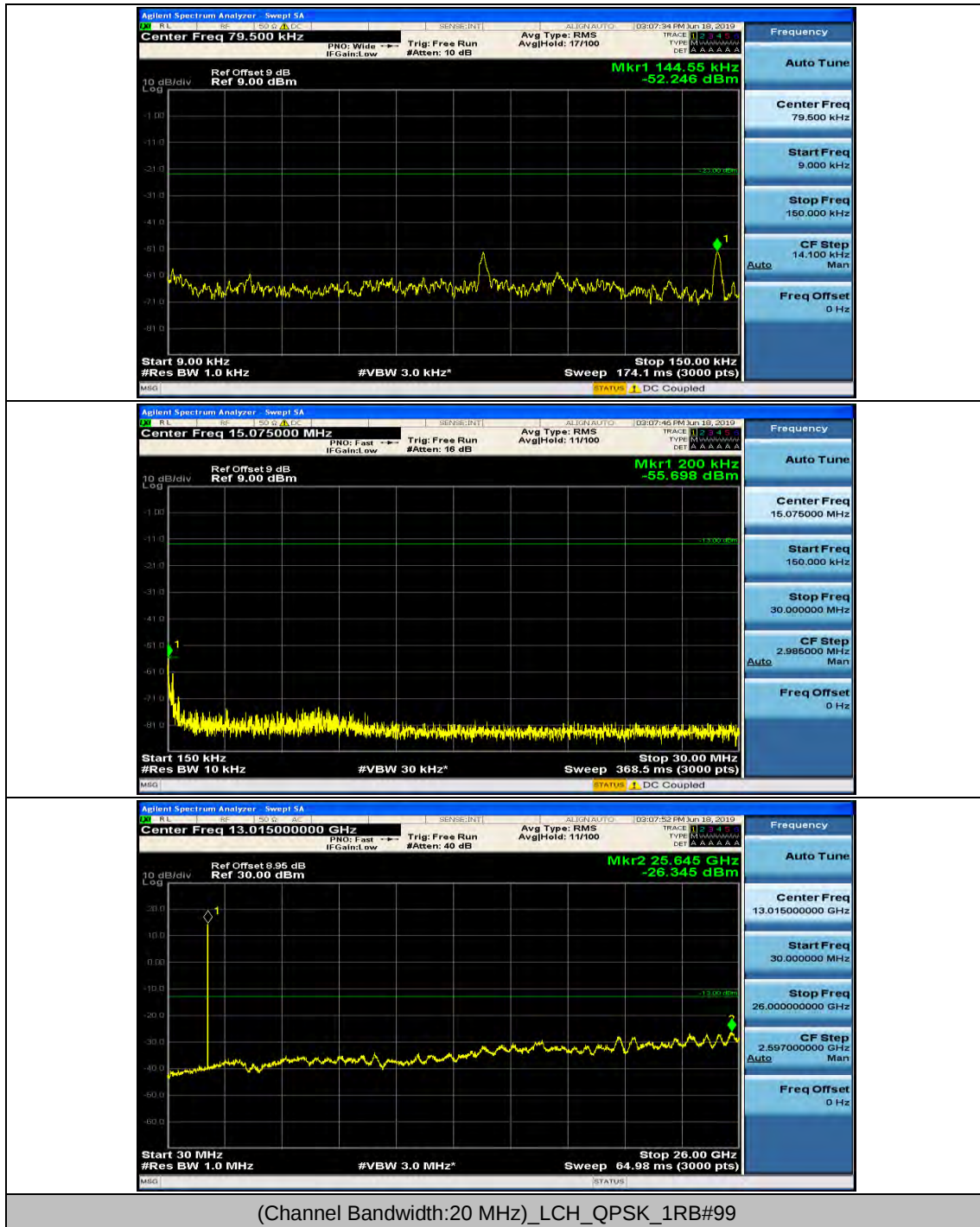
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

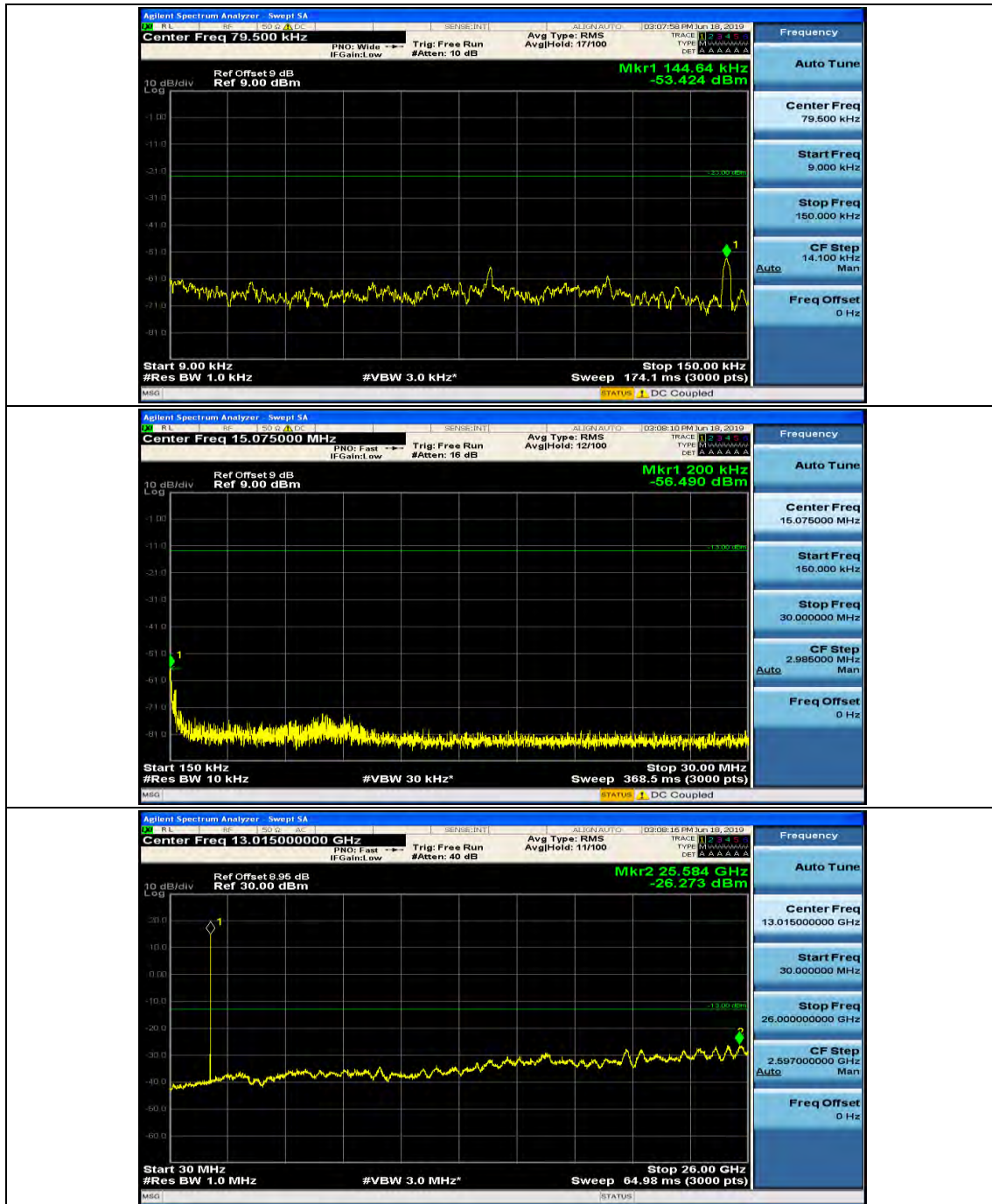




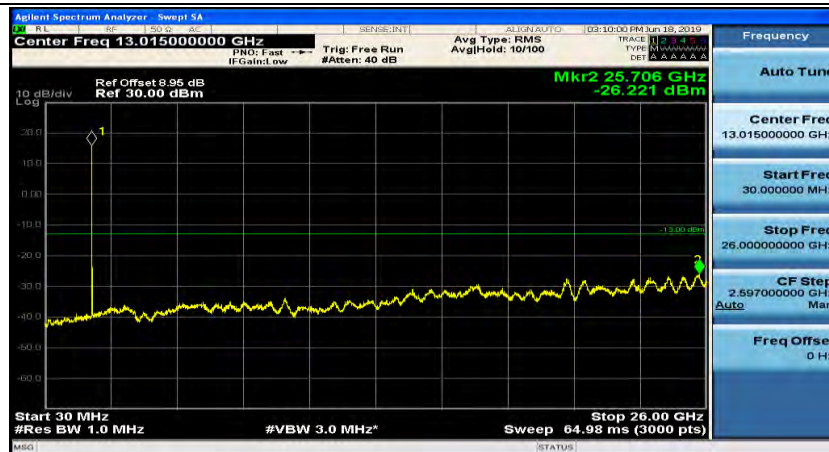
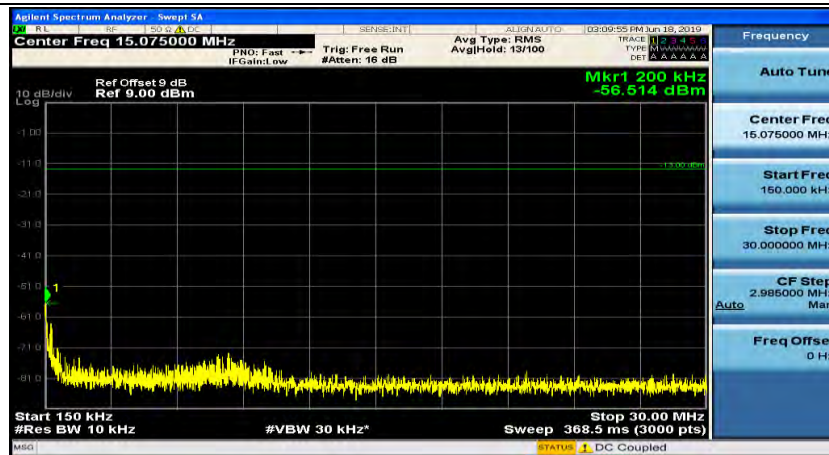
Channel Bandwidth: 20 MHz



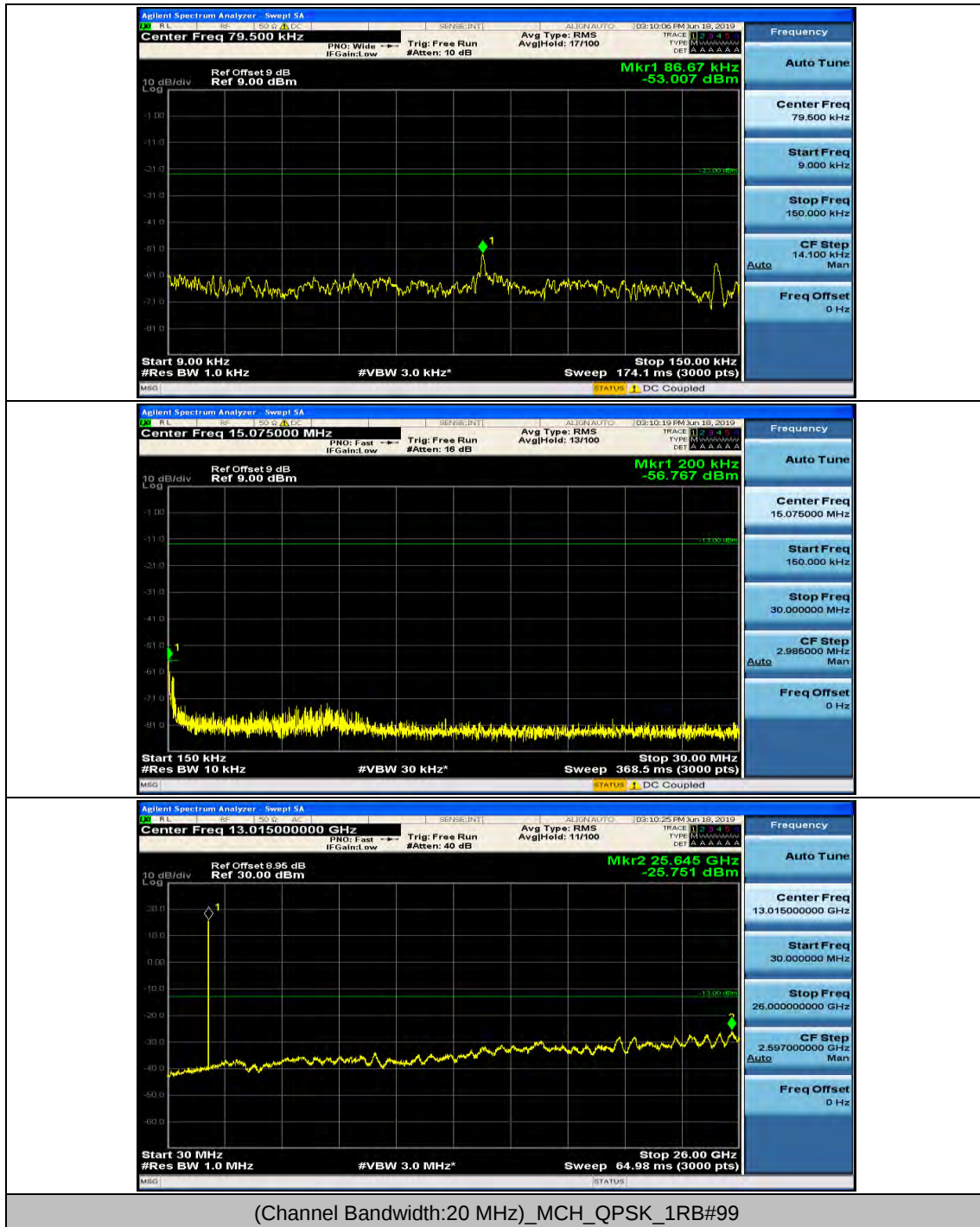


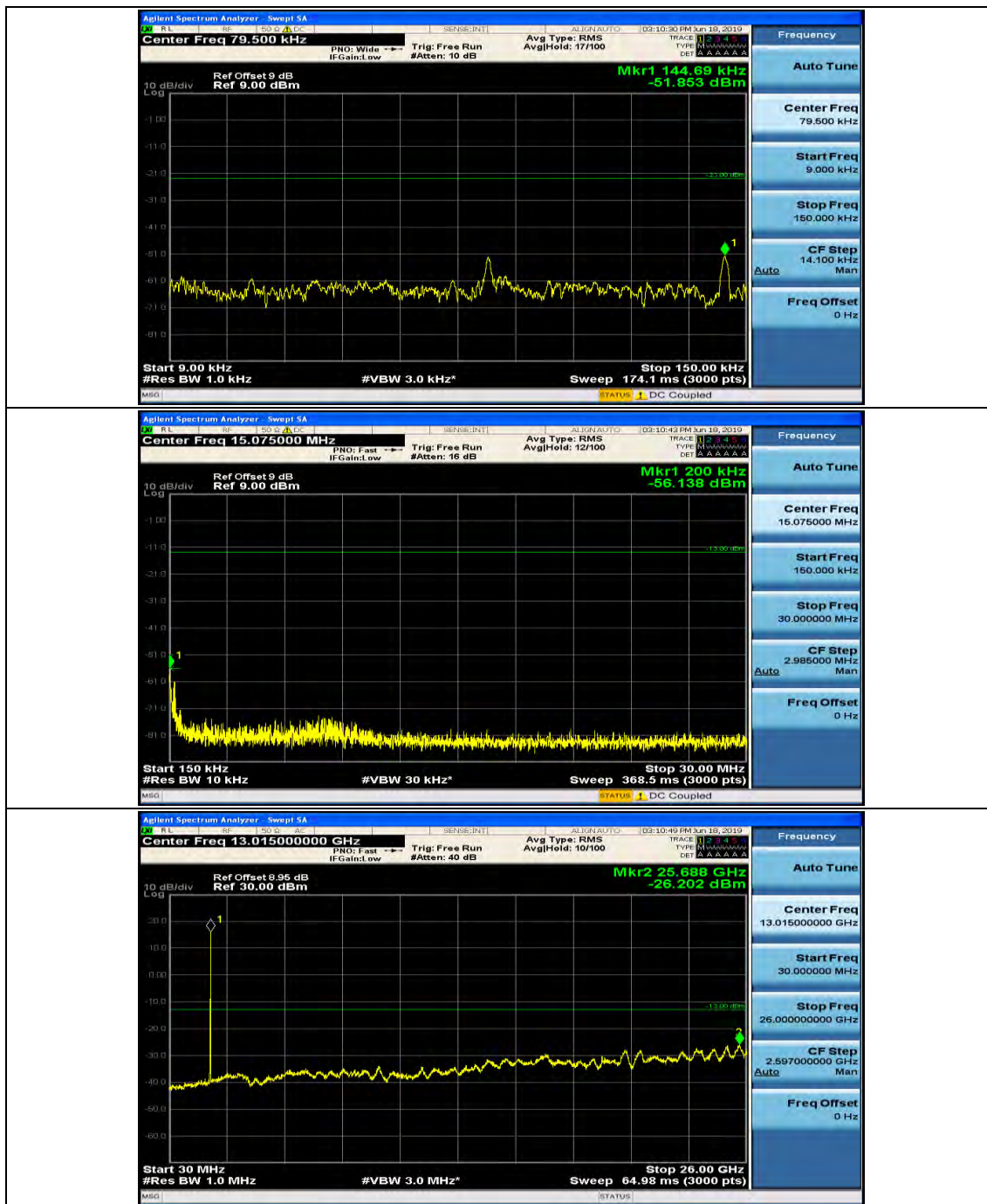


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

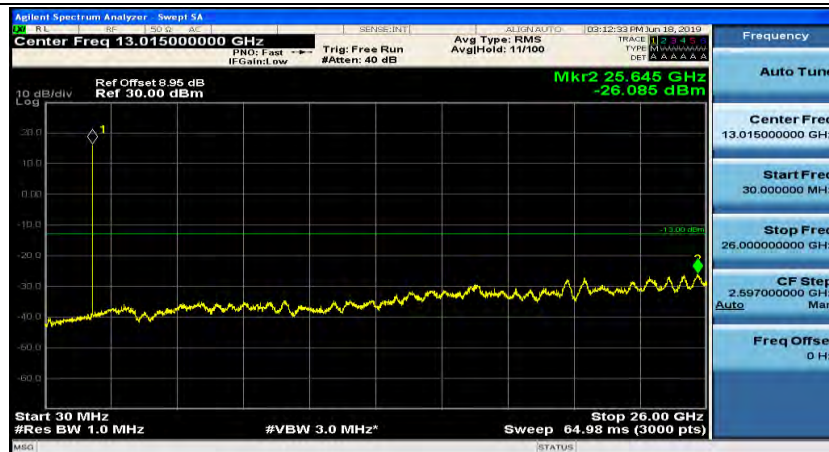
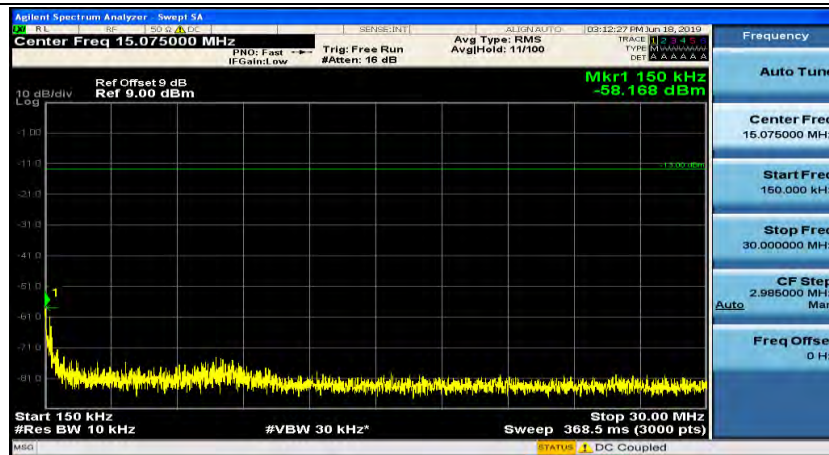
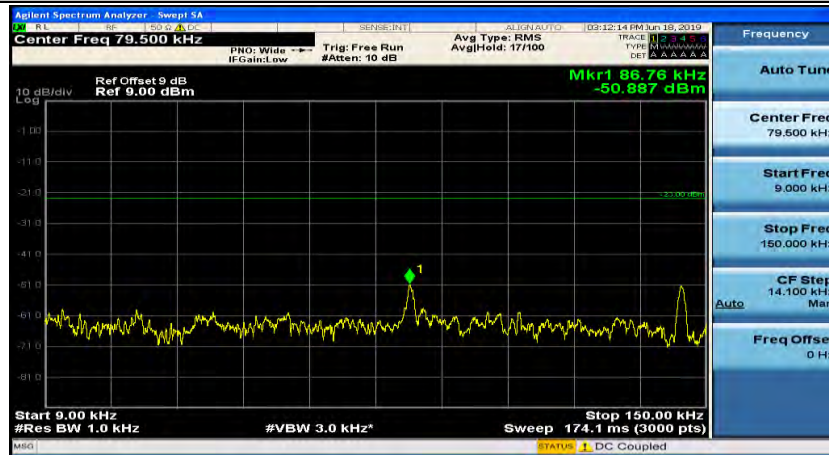


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

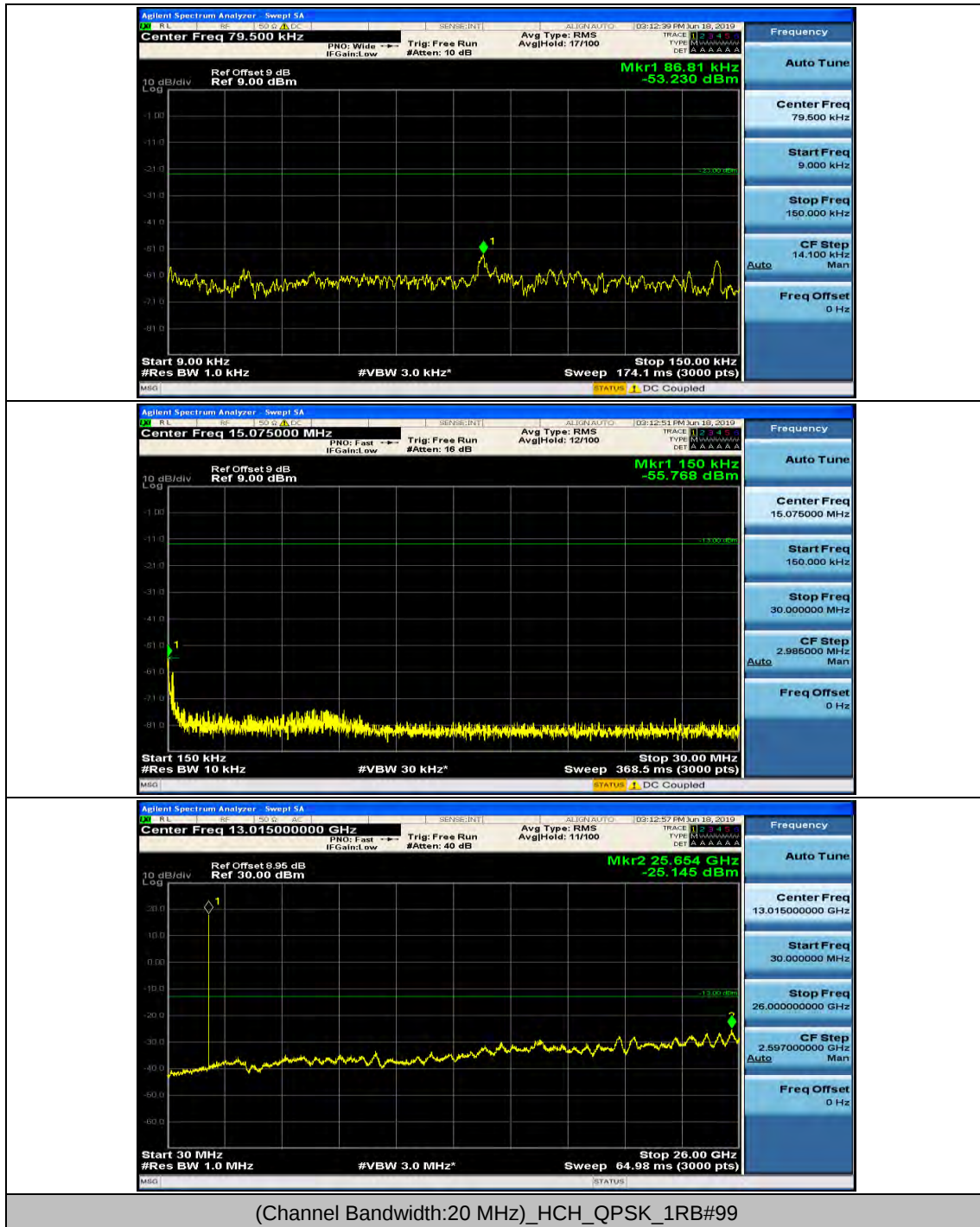


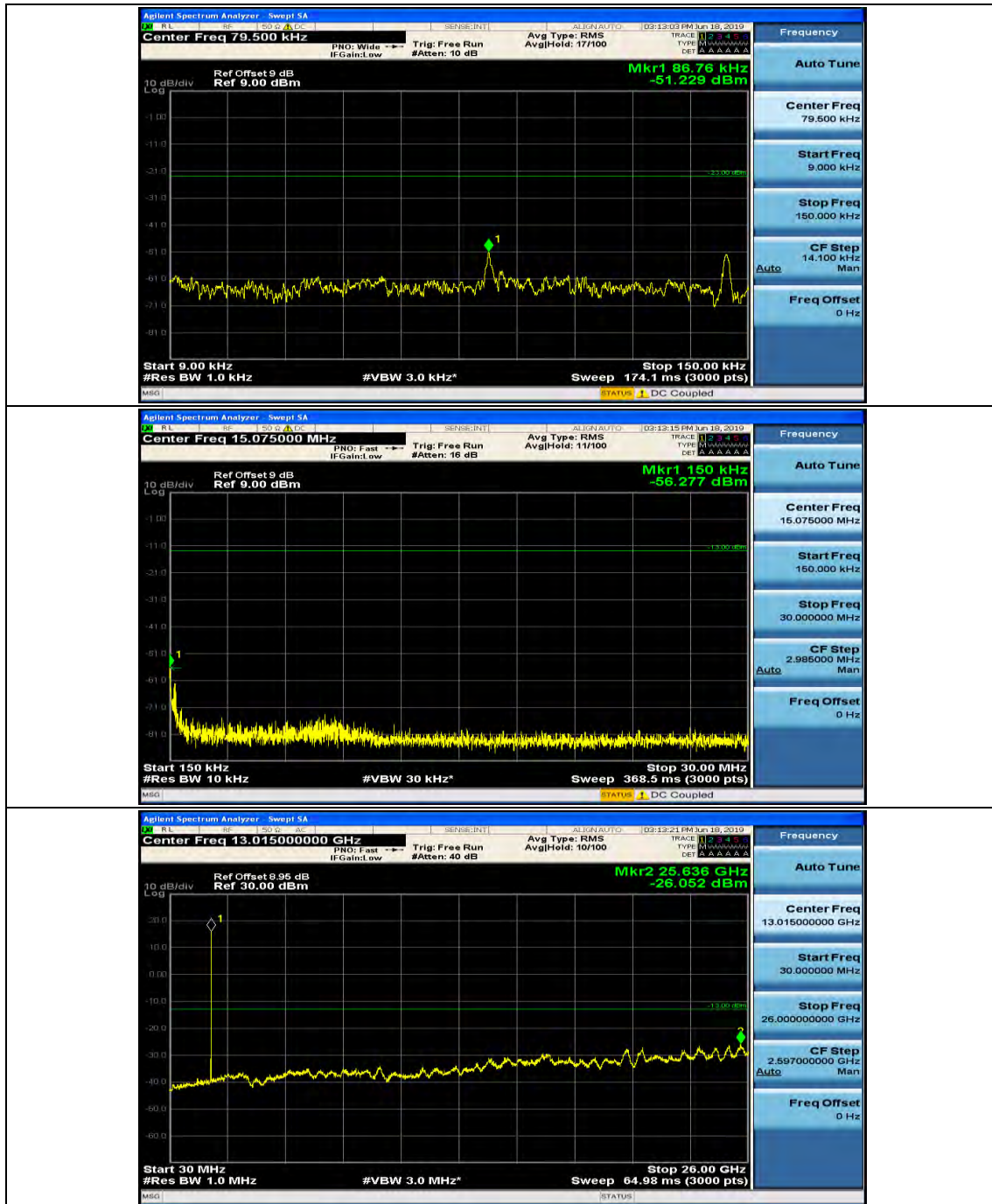


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

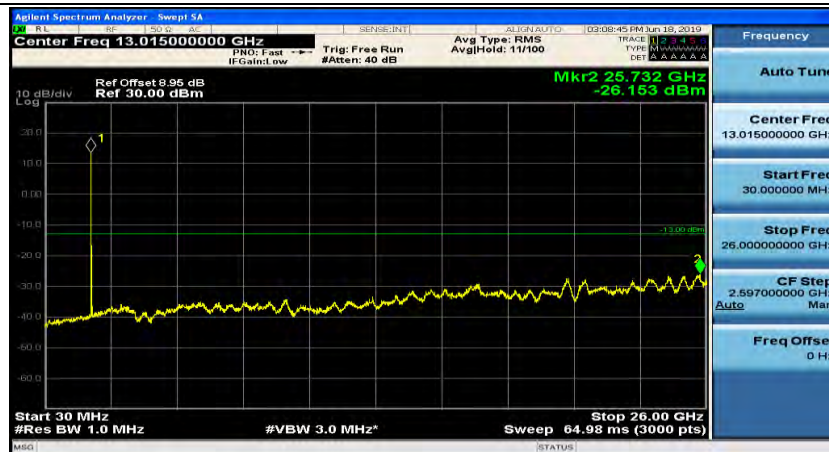
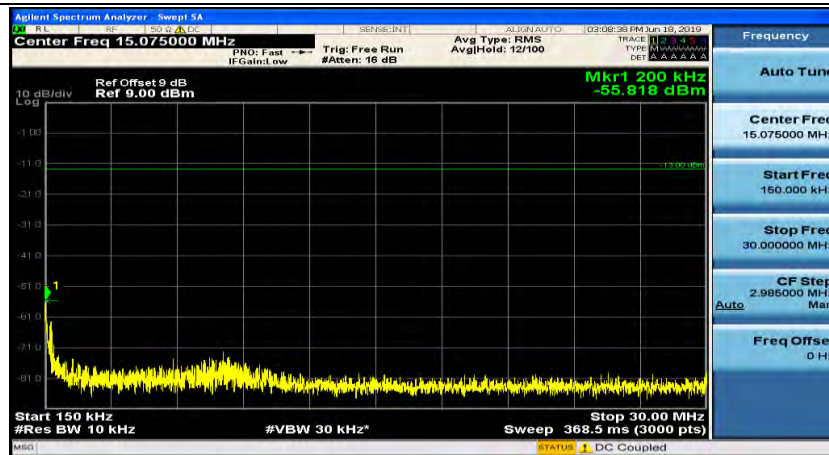
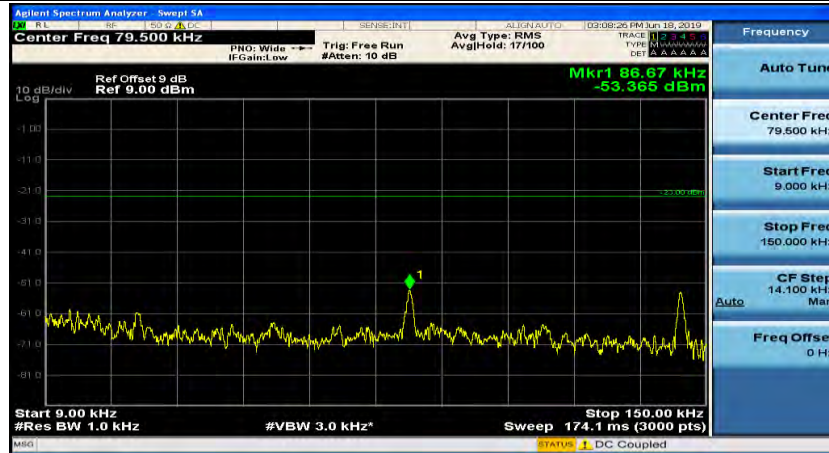


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

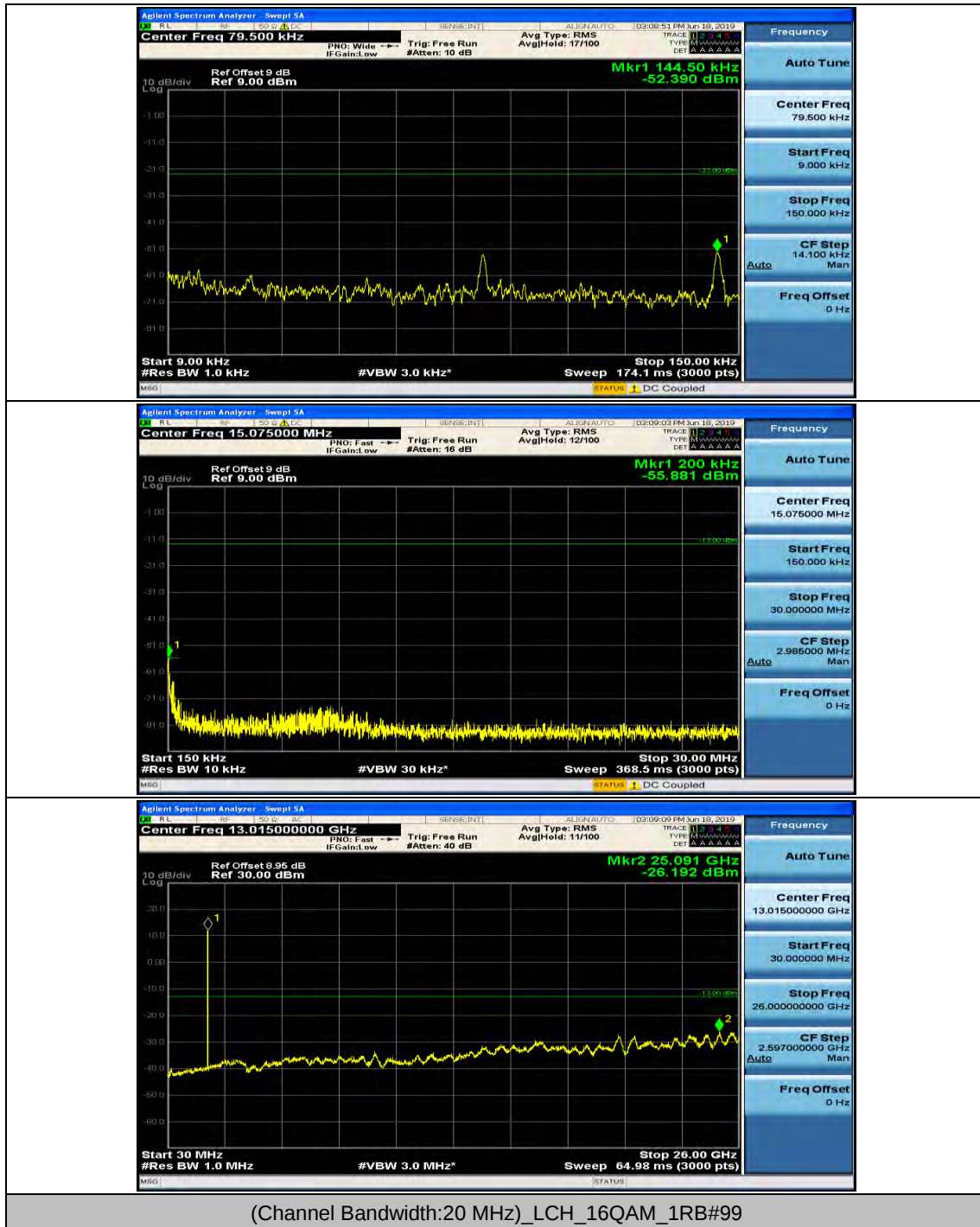


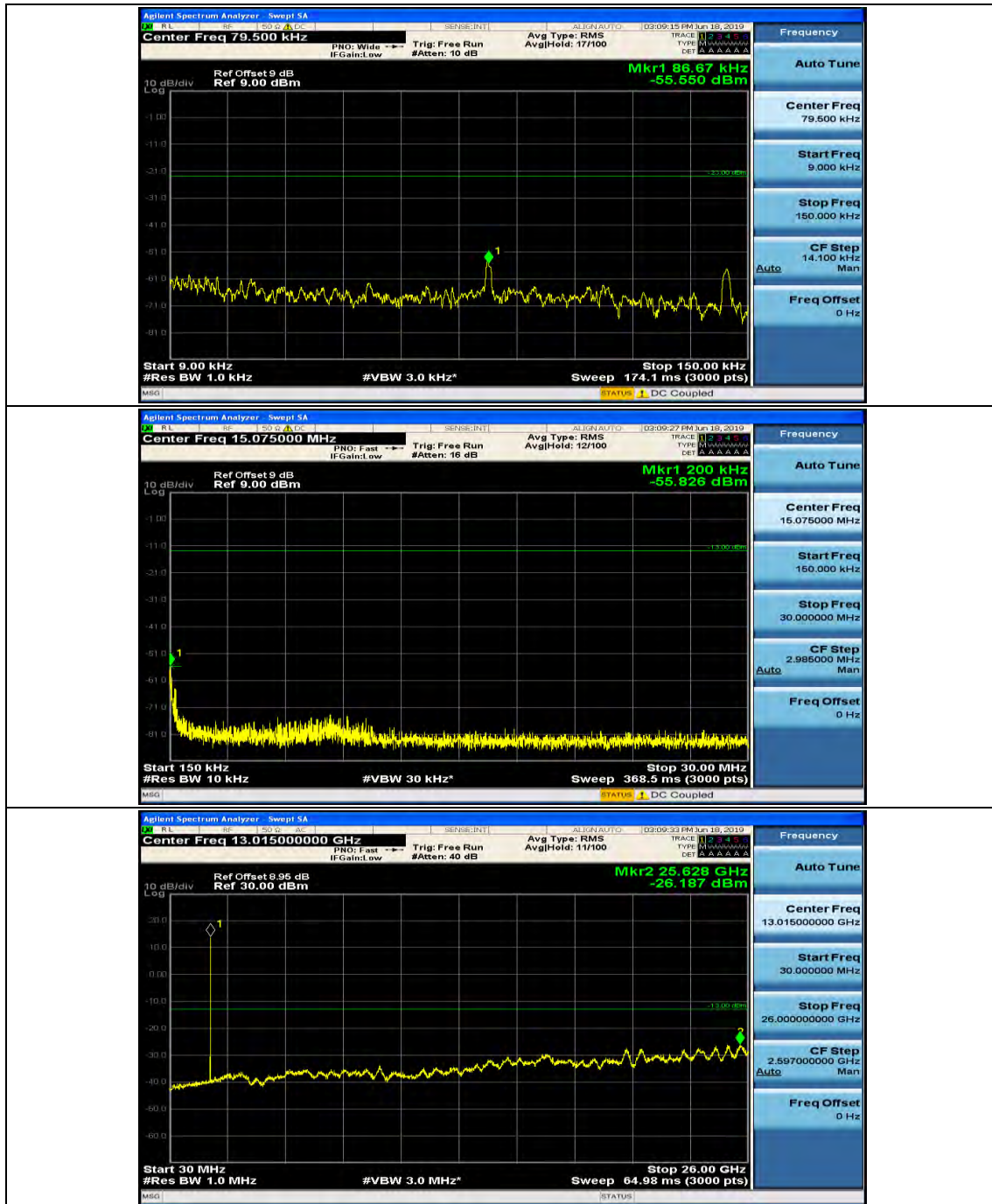


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

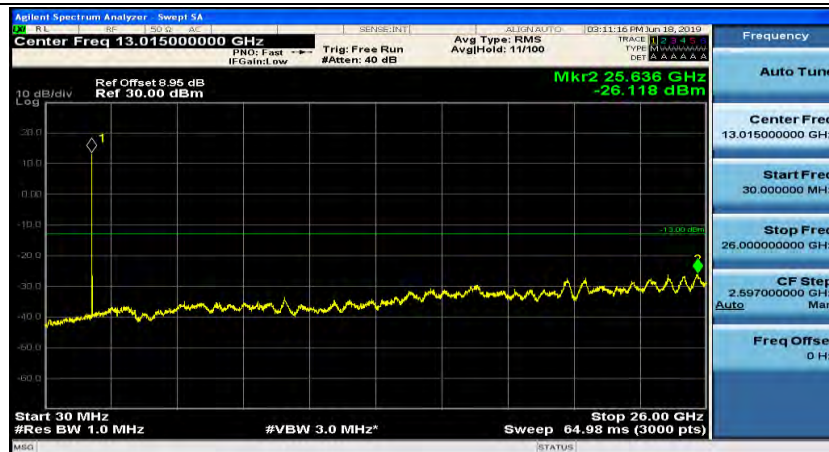
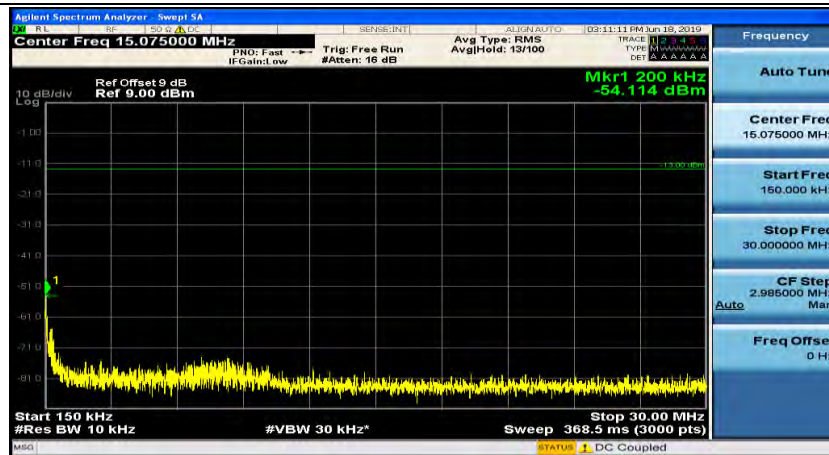


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

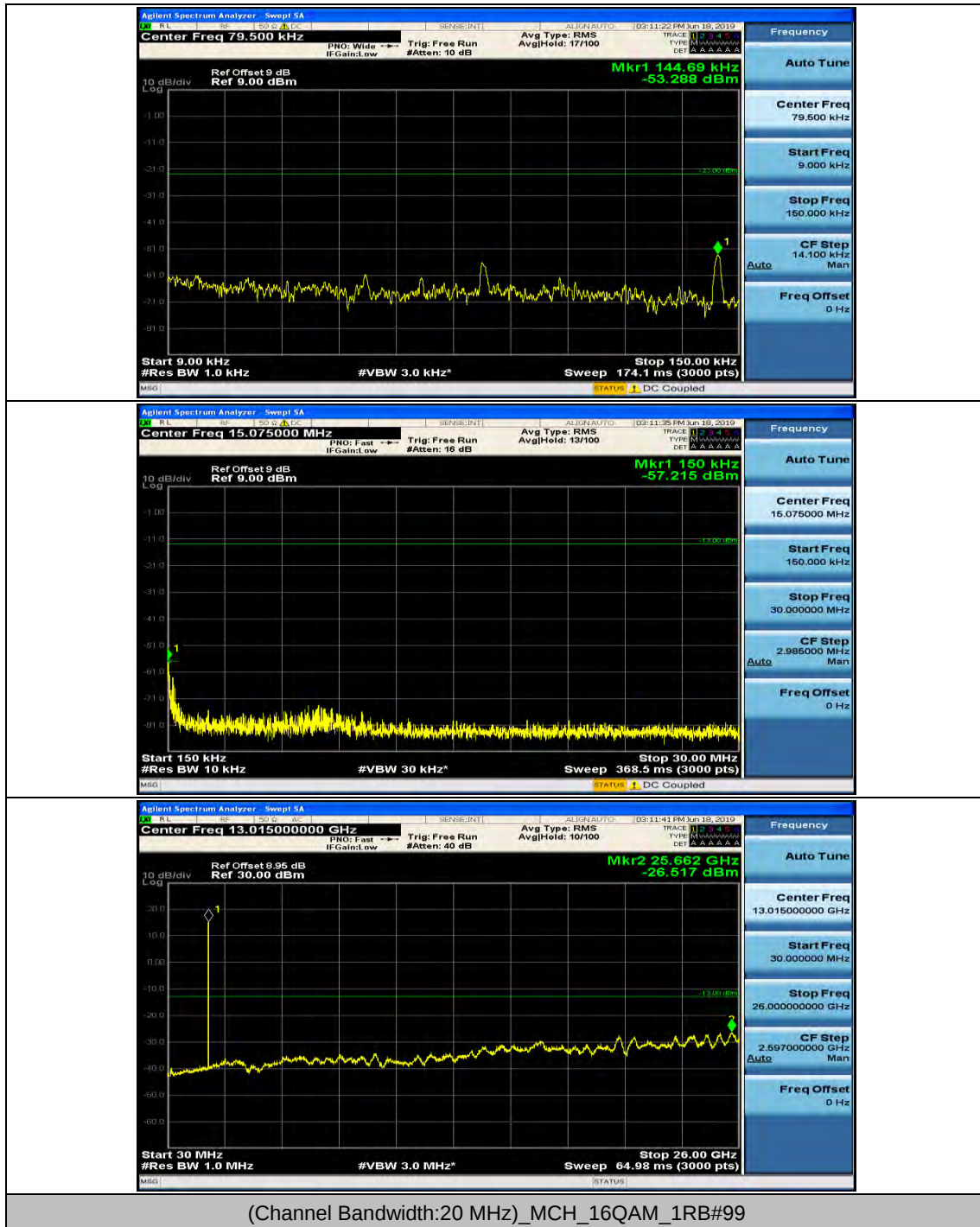


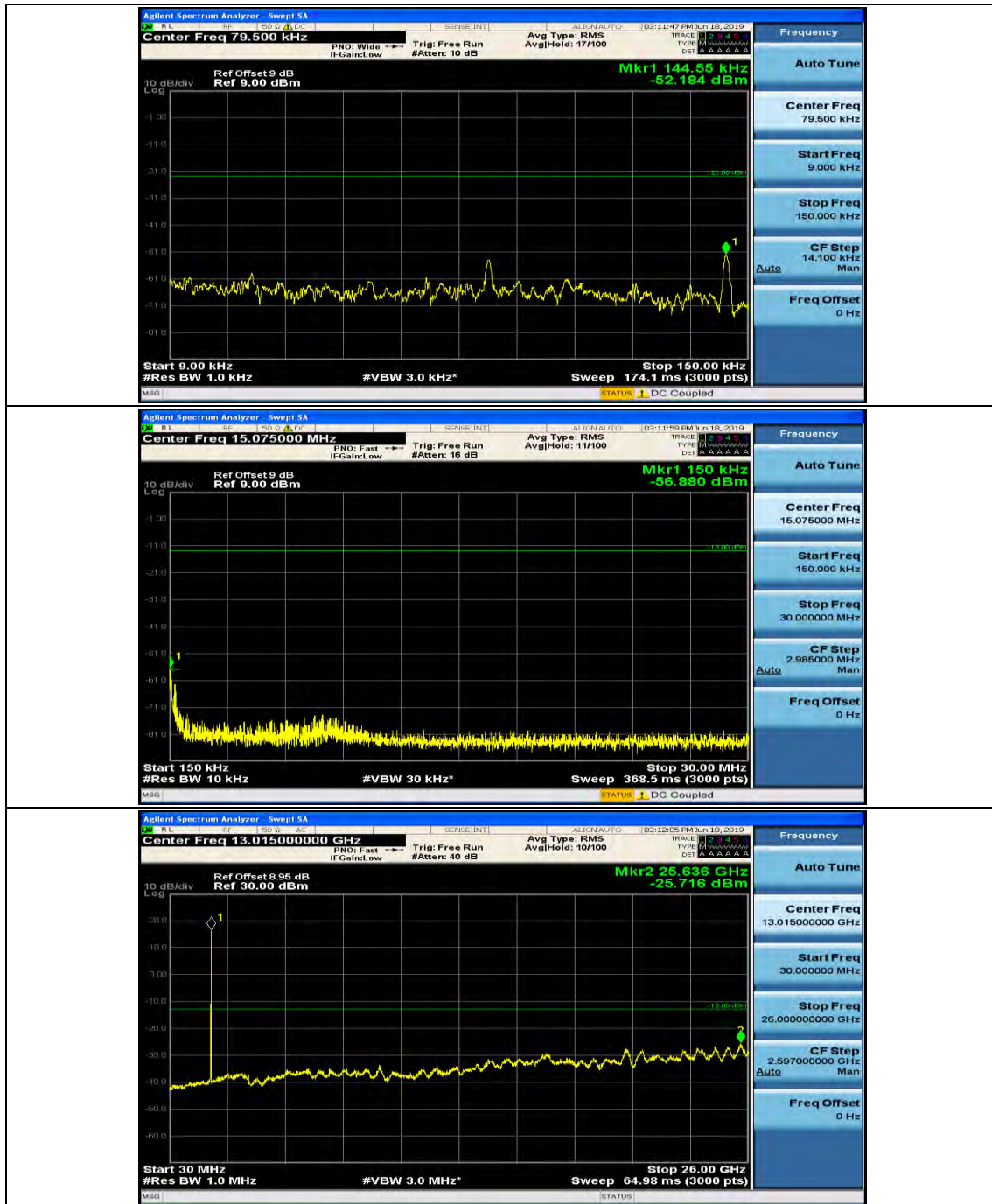


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

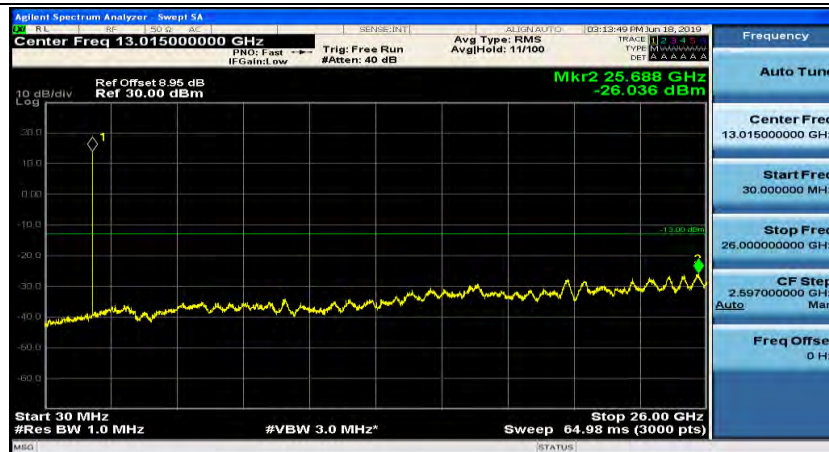
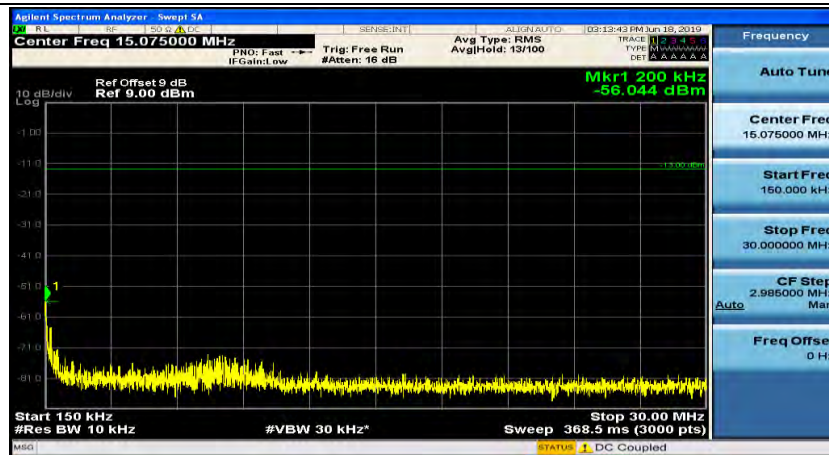


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

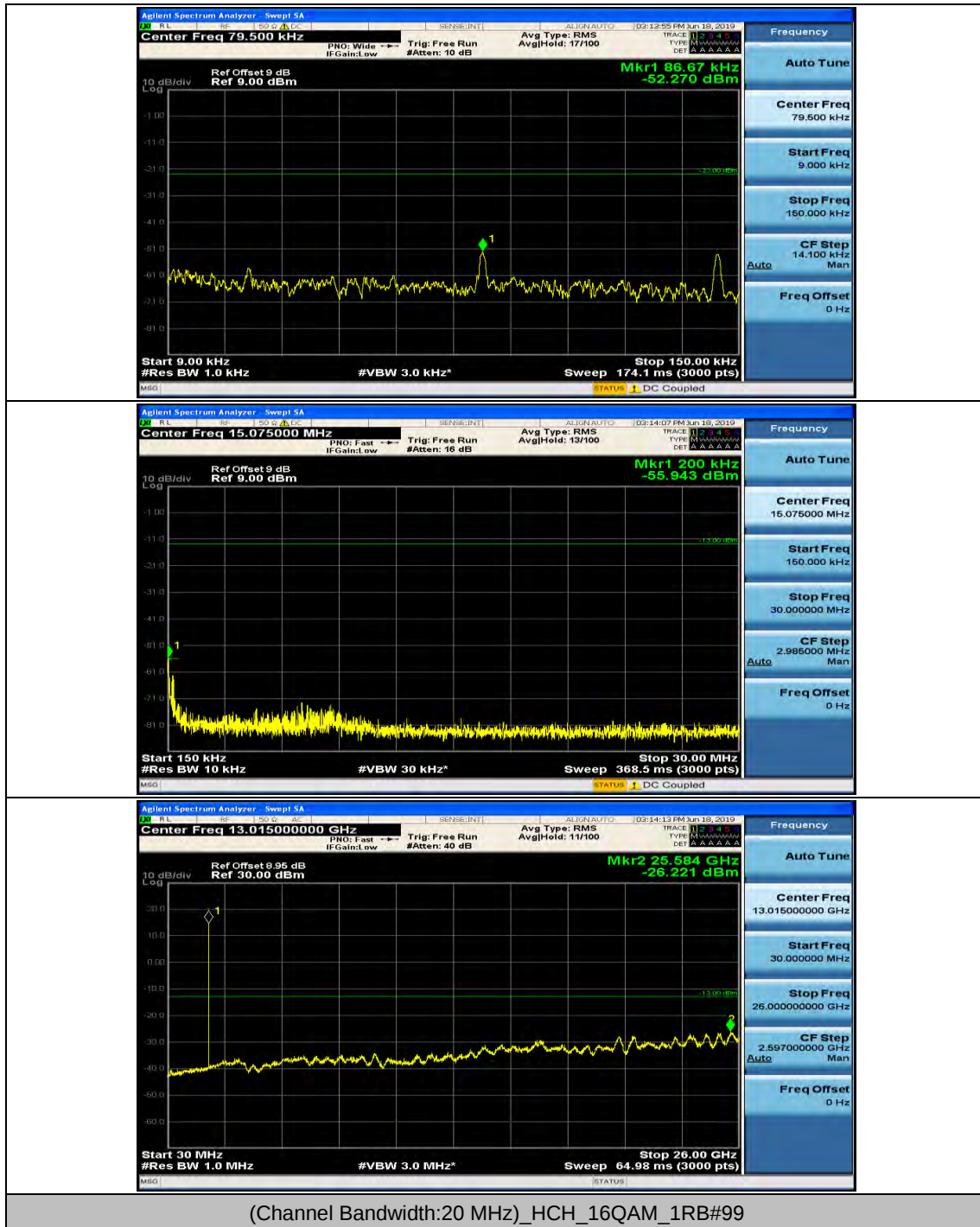


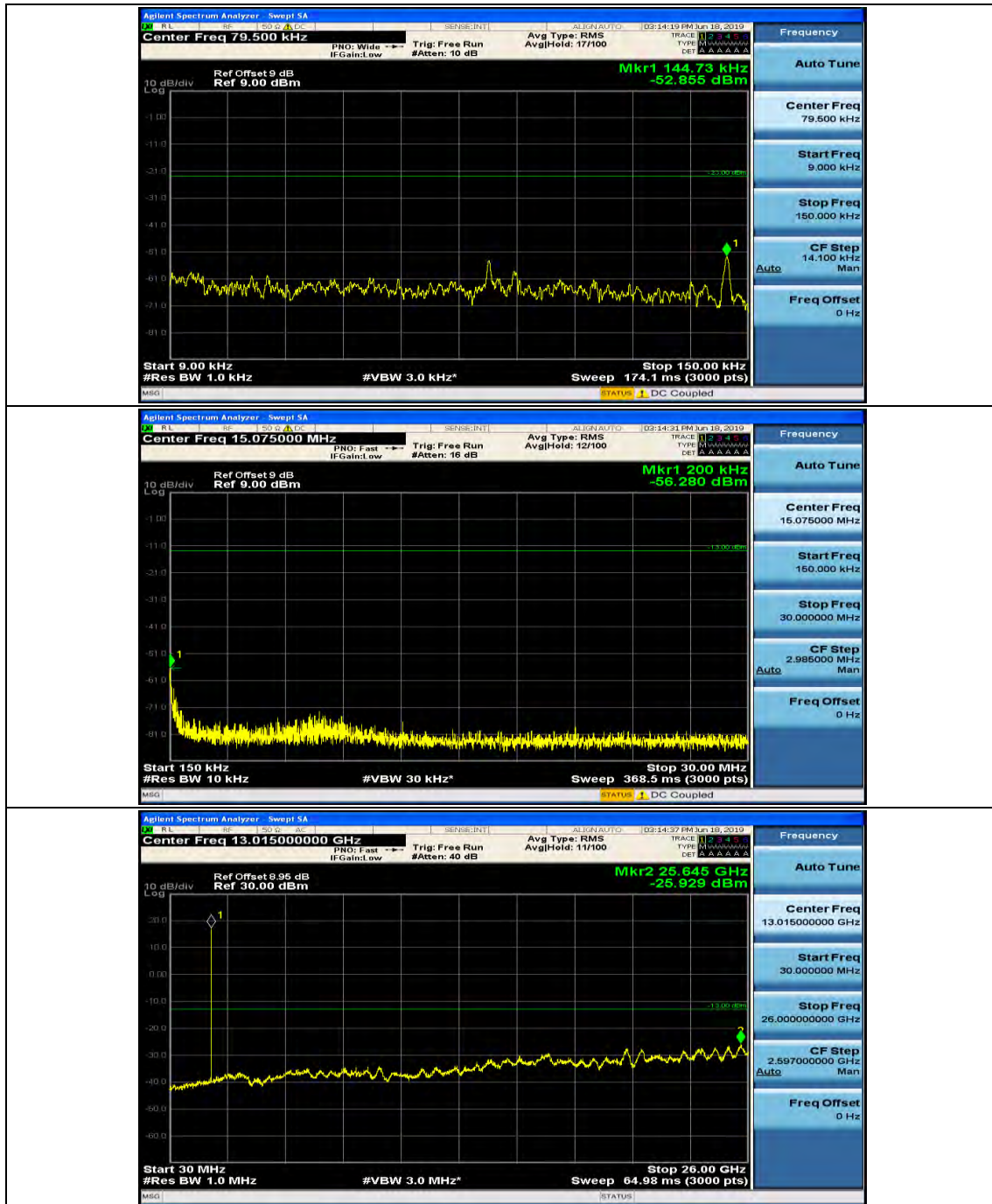


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	3	0.001621	± 2.5	PASS
		VN	TN	2.08	0.001124	± 2.5	PASS
		VH	TN	4.72	0.002550	± 2.5	PASS
	MCH	VL	TN	-1.74	-0.000926	± 2.5	PASS
		VN	TN	2.96	0.001574	± 2.5	PASS
		VH	TN	0.1	0.000053	± 2.5	PASS
	HCH	VL	TN	3.28	0.001718	± 2.5	PASS
		VN	TN	2.16	0.001131	± 2.5	PASS
		VH	TN	-0.15	-0.000079	± 2.5	PASS
16QAM	LCH	VL	TN	-1.04	-0.000562	± 2.5	PASS
		VN	TN	1.93	0.001043	± 2.5	PASS
		VH	TN	0.28	0.000151	± 2.5	PASS
	MCH	VL	TN	1.3	0.000691	± 2.5	PASS
		VN	TN	4.27	0.002271	± 2.5	PASS
		VH	TN	2.38	0.001266	± 2.5	PASS
	HCH	VL	TN	-0.63	-0.000330	± 2.5	PASS
		VN	TN	2.3	0.001205	± 2.5	PASS
		VH	TN	3.07	0.001608	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.98	0.001610	± 2.5	PASS
		VN	-20	2.1	0.001135	± 2.5	PASS
		VN	-10	4.77	0.002577	± 2.5	PASS
		VN	0	-1.85	-0.001000	± 2.5	PASS
		VN	10	3.59	0.001940	± 2.5	PASS
		VN	20	-0.57	-0.000308	± 2.5	PASS
		VN	30	1.35	0.000729	± 2.5	PASS
		VN	40	-1.46	-0.000789	± 2.5	PASS
		VN	50	-0.17	-0.000092	± 2.5	PASS
	MCH	VN	-30	4.89	0.002601	± 2.5	PASS

		VN	-20	0.28	0.000149	± 2.5	PASS
		VN	-10	3.53	0.001878	± 2.5	PASS
		VN	0	1.76	0.000936	± 2.5	PASS
		VN	10	4.07	0.002165	± 2.5	PASS
		VN	20	3.68	0.001957	± 2.5	PASS
		VN	30	2.49	0.001324	± 2.5	PASS
		VN	40	-0.65	-0.000346	± 2.5	PASS
		VN	50	2.87	0.001527	± 2.5	PASS
	HCH	VN	-30	-1.83	-0.000958	± 2.5	PASS
		VN	-20	-1.45	-0.000759	± 2.5	PASS
		VN	-10	0.54	0.000283	± 2.5	PASS
		VN	0	1.37	0.000718	± 2.5	PASS
		VN	10	0.9	0.000471	± 2.5	PASS
		VN	20	2.91	0.001524	± 2.5	PASS
		VN	30	2.43	0.001273	± 2.5	PASS
		VN	40	4.29	0.002247	± 2.5	PASS
16QAM	LCH	VN	-30	-1.27	-0.000686	± 2.5	PASS
		VN	-20	3.15	0.001702	± 2.5	PASS
		VN	-10	-0.72	-0.000389	± 2.5	PASS
		VN	0	2.46	0.001329	± 2.5	PASS
		VN	10	1.69	0.000913	± 2.5	PASS
		VN	20	0.48	0.000259	± 2.5	PASS
		VN	30	4.37	0.002361	± 2.5	PASS
		VN	40	4.83	0.002610	± 2.5	PASS
		VN	50	1.88	0.001016	± 2.5	PASS
	MCH	VN	-30	-1.18	-0.000628	± 2.5	PASS
		VN	-20	2.67	0.001420	± 2.5	PASS
		VN	-10	4.11	0.002186	± 2.5	PASS
		VN	0	3.91	0.002080	± 2.5	PASS
		VN	10	-1.3	-0.000691	± 2.5	PASS
		VN	20	2.04	0.001085	± 2.5	PASS
		VN	30	-1.6	-0.000851	± 2.5	PASS
		VN	40	3.67	0.001952	± 2.5	PASS
		VN	50	4.66	0.002479	± 2.5	PASS
	HCH	VN	-30	-0.97	-0.000508	± 2.5	PASS
		VN	-20	-0.43	-0.000225	± 2.5	PASS
		VN	-10	3.42	0.001791	± 2.5	PASS
		VN	0	3.82	0.002001	± 2.5	PASS
		VN	10	4.09	0.002142	± 2.5	PASS
		VN	20	1.27	0.000665	± 2.5	PASS

		VN	30	4.09	0.002142	± 2.5	PASS
		VN	40	2.55	0.001336	± 2.5	PASS
		VN	50	2.15	0.001126	± 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	2.42	0.001307	± 2.5	PASS
		VN	TN	0.61	0.000329	± 2.5	PASS
		VH	TN	-1.52	-0.000821	± 2.5	PASS
	MCH	VL	TN	2.73	0.001452	± 2.5	PASS
		VN	TN	-1.52	-0.000809	± 2.5	PASS
		VH	TN	2.63	0.001399	± 2.5	PASS
	HCH	VL	TN	-0.87	-0.000456	± 2.5	PASS
		VN	TN	2.25	0.001179	± 2.5	PASS
		VH	TN	-0.57	-0.000299	± 2.5	PASS
16QAM	LCH	VL	TN	0.4	0.000216	± 2.5	PASS
		VN	TN	1.64	0.000886	± 2.5	PASS
		VH	TN	3.14	0.001696	± 2.5	PASS
	MCH	VL	TN	2.78	0.001479	± 2.5	PASS
		VN	TN	1.8	0.000957	± 2.5	PASS
		VH	TN	-0.95	-0.000505	± 2.5	PASS
	HCH	VL	TN	-0.7	-0.000367	± 2.5	PASS
		VN	TN	2.78	0.001457	± 2.5	PASS
		VH	TN	0.95	0.000498	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.25	0.002295	± 2.5	PASS
		VN	-20	3.49	0.001885	± 2.5	PASS
		VN	-10	4.05	0.002187	± 2.5	PASS
		VN	0	3.85	0.002079	± 2.5	PASS
		VN	10	-0.82	-0.000443	± 2.5	PASS
		VN	20	2.86	0.001545	± 2.5	PASS
		VN	30	2.86	0.001545	± 2.5	PASS
		VN	40	2.69	0.001453	± 2.5	PASS
		VN	50	-1.67	-0.000902	± 2.5	PASS
	MCH	VN	-30	2.85	0.001516	± 2.5	PASS
		VN	-20	1.72	0.000915	± 2.5	PASS

		VN	-10	0.38	0.000202	± 2.5	PASS
		VN	0	2.24	0.001191	± 2.5	PASS
		VN	10	-0.46	-0.000245	± 2.5	PASS
		VN	20	1.46	0.000777	± 2.5	PASS
		VN	30	4.19	0.002229	± 2.5	PASS
		VN	40	3.56	0.001894	± 2.5	PASS
		VN	50	4.57	0.002431	± 2.5	PASS
	HCH	VN	-30	1.8	0.000943	± 2.5	PASS
		VN	-20	-0.95	-0.000498	± 2.5	PASS
		VN	-10	4.85	0.002541	± 2.5	PASS
		VN	0	2.65	0.001389	± 2.5	PASS
		VN	10	1.6	0.000838	± 2.5	PASS
		VN	20	-1.4	-0.000734	± 2.5	PASS
		VN	30	1.24	0.000650	± 2.5	PASS
		VN	40	3.33	0.001745	± 2.5	PASS
		VN	50	2.96	0.001551	± 2.5	PASS
QPSK	LCH	VN	-30	4.06	0.002193	± 2.5	PASS
		VN	-20	1.85	0.000999	± 2.5	PASS
		VN	-10	2.98	0.001610	± 2.5	PASS
		VN	0	4.4	0.002376	± 2.5	PASS
		VN	10	3.97	0.002144	± 2.5	PASS
		VN	20	0.05	0.000027	± 2.5	PASS
		VN	30	2.07	0.001118	± 2.5	PASS
		VN	40	4.83	0.002609	± 2.5	PASS
		VN	50	1.86	0.001005	± 2.5	PASS
	MCH	VN	-30	3.97	0.002112	± 2.5	PASS
		VN	-20	0.15	0.000080	± 2.5	PASS
		VN	-10	0.39	0.000207	± 2.5	PASS
		VN	0	3.71	0.001973	± 2.5	PASS
		VN	10	2.86	0.001521	± 2.5	PASS
		VN	20	0.25	0.000133	± 2.5	PASS
		VN	30	1.75	0.000931	± 2.5	PASS
		VN	40	-1.65	-0.000878	± 2.5	PASS
		VN	50	-0.59	-0.000314	± 2.5	PASS
	HCH	VN	-30	-0.96	-0.000503	± 2.5	PASS
		VN	-20	2.41	0.001263	± 2.5	PASS
		VN	-10	-1.6	-0.000838	± 2.5	PASS
		VN	0	-1.51	-0.000791	± 2.5	PASS
		VN	10	0.09	0.000047	± 2.5	PASS
		VN	20	-0.93	-0.000487	± 2.5	PASS
		VN	30	1.98	0.001037	± 2.5	PASS

		VN	40	-1.58	-0.000828	± 2.5	PASS
		VN	50	3.5	0.001834	± 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	2.43	0.001312	± 2.5	PASS
		VN	TN	0.54	0.000291	± 2.5	PASS
		VH	TN	3.56	0.001922	± 2.5	PASS
	MCH	VL	TN	3.76	0.002000	± 2.5	PASS
		VN	TN	-0.84	-0.000447	± 2.5	PASS
		VH	TN	4.64	0.002468	± 2.5	PASS
	HCH	VL	TN	1.03	0.000540	± 2.5	PASS
		VN	TN	0.59	0.000309	± 2.5	PASS
		VH	TN	4.54	0.002380	± 2.5	PASS
16QAM	LCH	VL	TN	3.47	0.001873	± 2.5	PASS
		VN	TN	0.03	0.000016	± 2.5	PASS
		VH	TN	2.25	0.001215	± 2.5	PASS
	MCH	VL	TN	3.07	0.001633	± 2.5	PASS
		VN	TN	2.64	0.001404	± 2.5	PASS
		VH	TN	-0.25	-0.000133	± 2.5	PASS
	HCH	VL	TN	-0.07	-0.000037	± 2.5	PASS
		VN	TN	2.5	0.001311	± 2.5	PASS
		VH	TN	3.91	0.002050	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.3	0.000162	± 2.5	PASS
		VN	-20	-0.64	-0.000345	± 2.5	PASS
		VN	-10	-1.84	-0.000993	± 2.5	PASS
		VN	0	2.48	0.001339	± 2.5	PASS
		VN	10	0.75	0.000405	± 2.5	PASS
		VN	20	2.69	0.001452	± 2.5	PASS
		VN	30	3.61	0.001949	± 2.5	PASS
		VN	40	3.36	0.001814	± 2.5	PASS
		VN	50	4.31	0.002327	± 2.5	PASS
	MCH	VN	-30	0.35	0.000186	± 2.5	PASS
		VN	-20	0.01	0.000005	± 2.5	PASS
		VN	-10	0.52	0.000277	± 2.5	PASS

		VN	0	0.31	0.000165	± 2.5	PASS
		VN	10	1.51	0.000803	± 2.5	PASS
		VN	20	4.59	0.002441	± 2.5	PASS
		VN	30	4.96	0.002638	± 2.5	PASS
		VN	40	-0.45	-0.000239	± 2.5	PASS
		VN	50	0.72	0.000383	± 2.5	PASS
	HCH	VN	-30	-1.79	-0.000938	± 2.5	PASS
		VN	-20	2.45	0.001284	± 2.5	PASS
		VN	-10	1.2	0.000629	± 2.5	PASS
		VN	0	2.93	0.001536	± 2.5	PASS
		VN	10	1.53	0.000802	± 2.5	PASS
		VN	20	0.93	0.000488	± 2.5	PASS
		VN	30	0.98	0.000514	± 2.5	PASS
		VN	40	1.37	0.000718	± 2.5	PASS
		VN	50	2.89	0.001515	± 2.5	PASS
16QAM	LCH	VN	-30	1.27	0.000686	± 2.5	PASS
		VN	-20	-1.4	-0.000756	± 2.5	PASS
		VN	-10	3.81	0.002057	± 2.5	PASS
		VN	0	0.27	0.000146	± 2.5	PASS
		VN	10	4.91	0.002650	± 2.5	PASS
		VN	20	0.83	0.000448	± 2.5	PASS
		VN	30	1.52	0.000821	± 2.5	PASS
		VN	40	3.35	0.001808	± 2.5	PASS
		VN	50	0.55	0.000297	± 2.5	PASS
	MCH	VN	-30	2.24	0.001191	± 2.5	PASS
		VN	-20	3.27	0.001739	± 2.5	PASS
		VN	-10	0.35	0.000186	± 2.5	PASS
		VN	0	3.82	0.002032	± 2.5	PASS
		VN	10	-1.66	-0.000883	± 2.5	PASS
		VN	20	-0.52	-0.000277	± 2.5	PASS
		VN	30	1.84	0.000979	± 2.5	PASS
		VN	40	-0.19	-0.000101	± 2.5	PASS
		VN	50	4.35	0.002314	± 2.5	PASS
	HCH	VN	-30	-0.25	-0.000131	± 2.5	PASS
		VN	-20	1.77	0.000928	± 2.5	PASS
		VN	-10	-1.4	-0.000734	± 2.5	PASS
		VN	0	-0.06	-0.000031	± 2.5	PASS
		VN	10	-1.24	-0.000650	± 2.5	PASS
		VN	20	3.6	0.001887	± 2.5	PASS
		VN	30	2.93	0.001536	± 2.5	PASS
		VN	40	4.3	0.002254	± 2.5	PASS

		VN	50	4.42	0.002317	± 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	0.8	0.000431	± 2.5	PASS
		VN	TN	4.49	0.002420	± 2.5	PASS
		VH	TN	-1.9	-0.001024	± 2.5	PASS
	MCH	VL	TN	4.56	0.002426	± 2.5	PASS
		VN	TN	0.1	0.000053	± 2.5	PASS
		VH	TN	3.33	0.001771	± 2.5	PASS
	HCH	VL	TN	1.57	0.000824	± 2.5	PASS
		VN	TN	3.87	0.002031	± 2.5	PASS
		VH	TN	-1.74	-0.000913	± 2.5	PASS
16QAM	LCH	VL	TN	0.94	0.000507	± 2.5	PASS
		VN	TN	2.57	0.001385	± 2.5	PASS
		VH	TN	1.32	0.000712	± 2.5	PASS
	MCH	VL	TN	-1.22	-0.000649	± 2.5	PASS
		VN	TN	0.25	0.000133	± 2.5	PASS
		VH	TN	-0.91	-0.000484	± 2.5	PASS
	HCH	VL	TN	0.42	0.000220	± 2.5	PASS
		VN	TN	2.93	0.001538	± 2.5	PASS
		VH	TN	2.33	0.001223	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	3.55	0.001914	± 2.5	PASS
		VN	-20	0.6	0.000323	± 2.5	PASS
		VN	-10	-0.05	-0.000027	± 2.5	PASS
		VN	0	3.71	0.002000	± 2.5	PASS
		VN	10	-0.65	-0.000350	± 2.5	PASS
		VN	20	4.02	0.002167	± 2.5	PASS
		VN	30	1.03	0.000555	± 2.5	PASS
		VN	40	-1.61	-0.000868	± 2.5	PASS
		VN	50	0.32	0.000173	± 2.5	PASS
	MCH	VN	-30	-0.92	-0.000489	± 2.5	PASS
		VN	-20	1.63	0.000867	± 2.5	PASS
		VN	-10	3.54	0.001883	± 2.5	PASS
		VN	0	-0.8	-0.000426	± 2.5	PASS

		VN	10	1.43	0.000761	± 2.5	PASS
		VN	20	0.55	0.000293	± 2.5	PASS
		VN	30	-0.24	-0.000128	± 2.5	PASS
		VN	40	1.81	0.000963	± 2.5	PASS
		VN	50	3.17	0.001686	± 2.5	PASS
	HCH	VN	-30	-0.12	-0.000063	± 2.5	PASS
		VN	-20	-1.67	-0.000877	± 2.5	PASS
		VN	-10	-1.59	-0.000835	± 2.5	PASS
		VN	0	1.35	0.000709	± 2.5	PASS
		VN	10	4.17	0.002189	± 2.5	PASS
		VN	20	1.25	0.000656	± 2.5	PASS
		VN	30	0.14	0.000073	± 2.5	PASS
		VN	40	-1.73	-0.000908	± 2.5	PASS
		VN	50	0.73	0.000383	± 2.5	PASS
QPSK	LCH	VN	-30	1.43	0.000771	± 2.5	PASS
		VN	-20	4.59	0.002474	± 2.5	PASS
		VN	-10	4.3	0.002318	± 2.5	PASS
		VN	0	-1.9	-0.001024	± 2.5	PASS
		VN	10	3.27	0.001763	± 2.5	PASS
		VN	20	1.05	0.000566	± 2.5	PASS
		VN	30	1.61	0.000868	± 2.5	PASS
		VN	40	2.19	0.001181	± 2.5	PASS
		VN	50	-1.34	-0.000722	± 2.5	PASS
	MCH	VN	-30	1.36	0.000723	± 2.5	PASS
		VN	-20	2.27	0.001207	± 2.5	PASS
		VN	-10	3.81	0.002027	± 2.5	PASS
		VN	0	3.73	0.001984	± 2.5	PASS
		VN	10	-1.11	-0.000590	± 2.5	PASS
		VN	20	0.07	0.000037	± 2.5	PASS
		VN	30	4.14	0.002202	± 2.5	PASS
		VN	40	-0.34	-0.000181	± 2.5	PASS
		VN	50	-2	-0.001064	± 2.5	PASS
	HCH	VN	-30	0.25	0.000131	± 2.5	PASS
		VN	-20	-0.98	-0.000514	± 2.5	PASS
		VN	-10	-0.37	-0.000194	± 2.5	PASS
		VN	0	-0.03	-0.000016	± 2.5	PASS
		VN	10	1.64	0.000861	± 2.5	PASS
		VN	20	-0.59	-0.000310	± 2.5	PASS
		VN	30	0.57	0.000299	± 2.5	PASS
		VN	40	4.72	0.002478	± 2.5	PASS
		VN	50	4.34	0.002278	± 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	-0.61	-0.000328	± 2.5	PASS
		VN	TN	0.62	0.000334	± 2.5	PASS
		VH	TN	0.37	0.000199	± 2.5	PASS
	MCH	VL	TN	0.34	0.000181	± 2.5	PASS
		VN	TN	0.01	0.000005	± 2.5	PASS
		VH	TN	1.27	0.000676	± 2.5	PASS
	HCH	VL	TN	0	0.000000	± 2.5	PASS
		VN	TN	2.81	0.001477	± 2.5	PASS
		VH	TN	4.28	0.002250	± 2.5	PASS
16QAM	LCH	VL	TN	-0.54	-0.000291	± 2.5	PASS
		VN	TN	0.02	0.000011	± 2.5	PASS
		VH	TN	0.23	0.000124	± 2.5	PASS
	MCH	VL	TN	2.21	0.001176	± 2.5	PASS
		VN	TN	2.78	0.001479	± 2.5	PASS
		VH	TN	0.16	0.000085	± 2.5	PASS
	HCH	VL	TN	3.39	0.001782	± 2.5	PASS
		VN	TN	-0.81	-0.000426	± 2.5	PASS
		VH	TN	0.5	0.000263	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.36	0.000732	± 2.5	PASS
		VN	-20	0.82	0.000441	± 2.5	PASS
		VN	-10	1.92	0.001034	± 2.5	PASS
		VN	0	-0.93	-0.000501	± 2.5	PASS
		VN	10	-1.89	-0.001017	± 2.5	PASS
		VN	20	-1.07	-0.000576	± 2.5	PASS
		VN	30	4.55	0.002450	± 2.5	PASS
		VN	40	-0.08	-0.000043	± 2.5	PASS
		VN	50	-0.64	-0.000345	± 2.5	PASS
	MCH	VN	-30	4.39	0.002335	± 2.5	PASS
		VN	-20	4.19	0.002229	± 2.5	PASS
		VN	-10	1.59	0.000846	± 2.5	PASS
		VN	0	2.66	0.001415	± 2.5	PASS
		VN	10	1.45	0.000771	± 2.5	PASS
		VN	20	3.3	0.001755	± 2.5	PASS

		VN	30	0.07	0.000037	± 2.5	PASS
		VN	40	2.19	0.001165	± 2.5	PASS
		VN	50	0.78	0.000415	± 2.5	PASS
	HCH	VN	-30	0.32	0.000168	± 2.5	PASS
		VN	-20	0.78	0.000410	± 2.5	PASS
		VN	-10	4.83	0.002539	± 2.5	PASS
		VN	0	1.81	0.000951	± 2.5	PASS
		VN	10	3.18	0.001671	± 2.5	PASS
		VN	20	3.86	0.002029	± 2.5	PASS
		VN	30	1.68	0.000883	± 2.5	PASS
		VN	40	0.46	0.000242	± 2.5	PASS
		VN	50	3.17	0.001666	± 2.5	PASS
QPSK	LCH	VN	-30	-1.22	-0.000657	± 2.5	PASS
		VN	-20	2.18	0.001174	± 2.5	PASS
		VN	-10	1.21	0.000651	± 2.5	PASS
		VN	0	0.16	0.000086	± 2.5	PASS
		VN	10	-0.98	-0.000528	± 2.5	PASS
		VN	20	-0.79	-0.000425	± 2.5	PASS
		VN	30	3.19	0.001717	± 2.5	PASS
		VN	40	-1.44	-0.000775	± 2.5	PASS
		VN	50	3.02	0.001626	± 2.5	PASS
	MCH	VN	-30	4.68	0.002489	± 2.5	PASS
		VN	-20	-0.76	-0.000404	± 2.5	PASS
		VN	-10	1.59	0.000846	± 2.5	PASS
		VN	0	1.45	0.000771	± 2.5	PASS
		VN	10	-0.11	-0.000059	± 2.5	PASS
		VN	20	-1.37	-0.000729	± 2.5	PASS
		VN	30	4.42	0.002351	± 2.5	PASS
		VN	40	1.36	0.000723	± 2.5	PASS
		VN	50	1.16	0.000617	± 2.5	PASS
	HCH	VN	-30	1.81	0.000951	± 2.5	PASS
		VN	-20	2.94	0.001545	± 2.5	PASS
		VN	-10	3.75	0.001971	± 2.5	PASS
		VN	0	1.66	0.000873	± 2.5	PASS
		VN	10	0.86	0.000452	± 2.5	PASS
		VN	20	-0.85	-0.000447	± 2.5	PASS
		VN	30	3.18	0.001671	± 2.5	PASS
		VN	40	4.6	0.002418	± 2.5	PASS
		VN	50	4.78	0.002512	± 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	-0.28	-0.000151	± 2.5	PASS
		VN	TN	0.45	0.000242	± 2.5	PASS
		VH	TN	2.07	0.001113	± 2.5	PASS
	MCH	VL	TN	2.86	0.001521	± 2.5	PASS
		VN	TN	-1.4	-0.000745	± 2.5	PASS
		VH	TN	2.77	0.001473	± 2.5	PASS
	HCH	VL	TN	-1.21	-0.000637	± 2.5	PASS
		VN	TN	0.71	0.000374	± 2.5	PASS
		VH	TN	1.71	0.000900	± 2.5	PASS
16QAM	LCH	VL	TN	4.35	0.002339	± 2.5	PASS
		VN	TN	1.91	0.001027	± 2.5	PASS
		VH	TN	1.95	0.001048	± 2.5	PASS
	MCH	VL	TN	-1.09	-0.000580	± 2.5	PASS
		VN	TN	4.55	0.002420	± 2.5	PASS
		VH	TN	3.17	0.001686	± 2.5	PASS
	HCH	VL	TN	2.99	0.001574	± 2.5	PASS
		VN	TN	3.23	0.001700	± 2.5	PASS
		VH	TN	1.63	0.000858	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.17	-0.000091	± 2.5	PASS
		VN	-20	-0.65	-0.000349	± 2.5	PASS
		VN	-10	-1.1	-0.000591	± 2.5	PASS
		VN	0	4.67	0.002511	± 2.5	PASS
		VN	10	-0.67	-0.000360	± 2.5	PASS
		VN	20	2.37	0.001274	± 2.5	PASS
		VN	30	4.43	0.002382	± 2.5	PASS
		VN	40	4.07	0.002188	± 2.5	PASS
		VN	50	-1.43	-0.000769	± 2.5	PASS
	MCH	VN	-30	4.81	0.002559	± 2.5	PASS
		VN	-20	4.93	0.002622	± 2.5	PASS
		VN	-10	0.55	0.000293	± 2.5	PASS
		VN	0	1.89	0.001005	± 2.5	PASS
		VN	10	1.77	0.000941	± 2.5	PASS
		VN	20	0.35	0.000186	± 2.5	PASS

		VN	30	3.47	0.001846	± 2.5	PASS
		VN	40	1.98	0.001053	± 2.5	PASS
		VN	50	-1.26	-0.000670	± 2.5	PASS
	HCH	VN	-30	4.51	0.002374	± 2.5	PASS
		VN	-20	-0.26	-0.000137	± 2.5	PASS
		VN	-10	0.06	0.000032	± 2.5	PASS
		VN	0	0.84	0.000442	± 2.5	PASS
		VN	10	1.02	0.000537	± 2.5	PASS
		VN	20	3.07	0.001616	± 2.5	PASS
		VN	30	4.83	0.002542	± 2.5	PASS
		VN	40	-0.37	-0.000195	± 2.5	PASS
		VN	50	3.56	0.001874	± 2.5	PASS
QPSK	LCH	VN	-30	-1.86	-0.001000	± 2.5	PASS
		VN	-20	-0.08	-0.000043	± 2.5	PASS
		VN	-10	4.58	0.002462	± 2.5	PASS
		VN	0	-0.5	-0.000269	± 2.5	PASS
		VN	10	0.69	0.000371	± 2.5	PASS
		VN	20	-0.15	-0.000081	± 2.5	PASS
		VN	30	2.54	0.001366	± 2.5	PASS
		VN	40	4.85	0.002608	± 2.5	PASS
		VN	50	-0.29	-0.000156	± 2.5	PASS
	MCH	VN	-30	-1.67	-0.000888	± 2.5	PASS
		VN	-20	3.85	0.002048	± 2.5	PASS
		VN	-10	3.11	0.001654	± 2.5	PASS
		VN	0	1.92	0.001021	± 2.5	PASS
		VN	10	0.91	0.000484	± 2.5	PASS
		VN	20	-2	-0.001064	± 2.5	PASS
		VN	30	2.16	0.001149	± 2.5	PASS
		VN	40	0.71	0.000378	± 2.5	PASS
		VN	50	2.03	0.001080	± 2.5	PASS
	HCH	VN	-30	-0.97	-0.000511	± 2.5	PASS
		VN	-20	-0.27	-0.000142	± 2.5	PASS
		VN	-10	1.61	0.000847	± 2.5	PASS
		VN	0	-1.5	-0.000789	± 2.5	PASS
		VN	10	3.91	0.002058	± 2.5	PASS
		VN	20	-1.07	-0.000563	± 2.5	PASS
		VN	30	-1.48	-0.000779	± 2.5	PASS
		VN	40	-1.04	-0.000547	± 2.5	PASS
		VN	50	1.66	0.000874	± 2.5	PASS