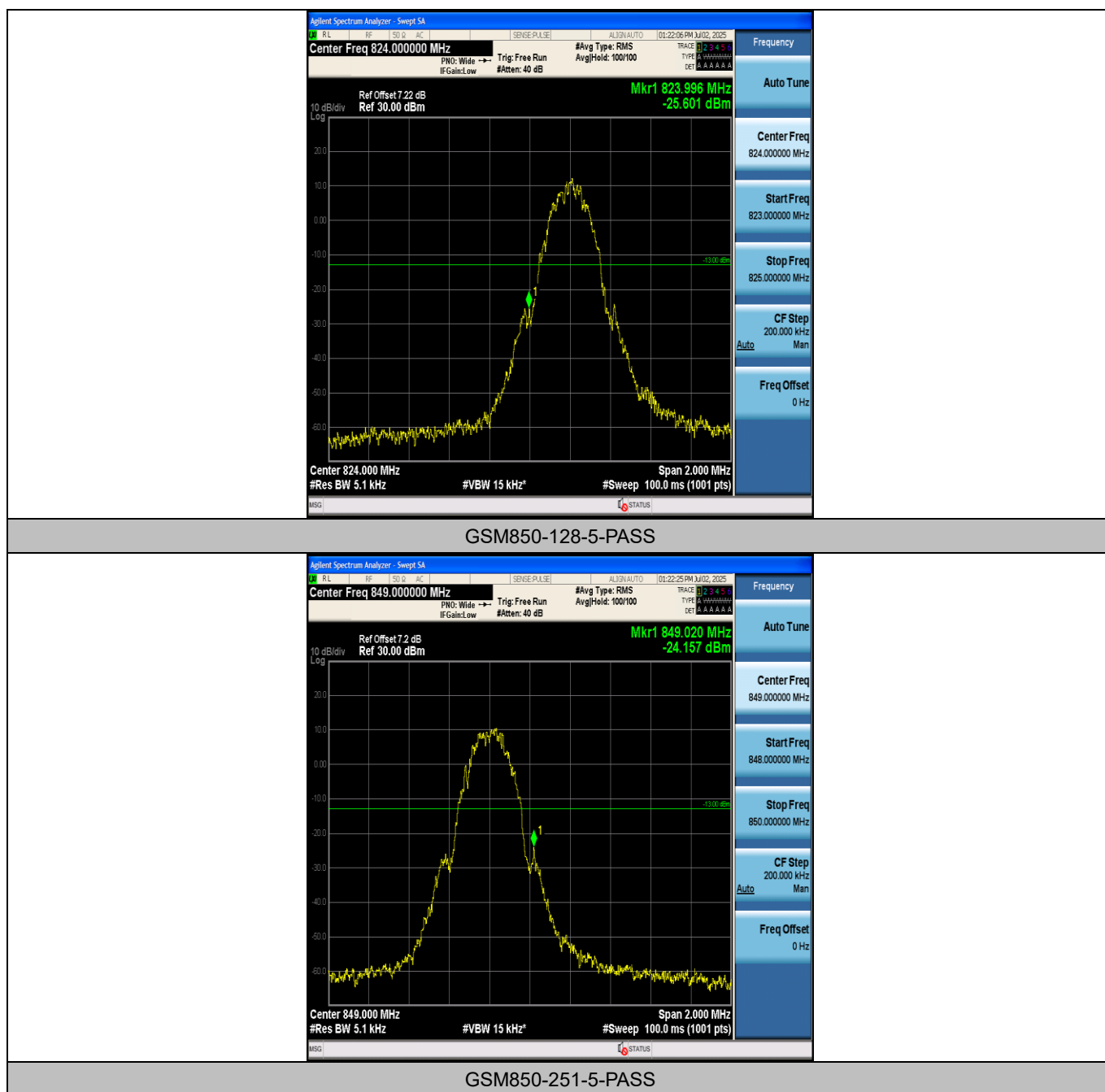
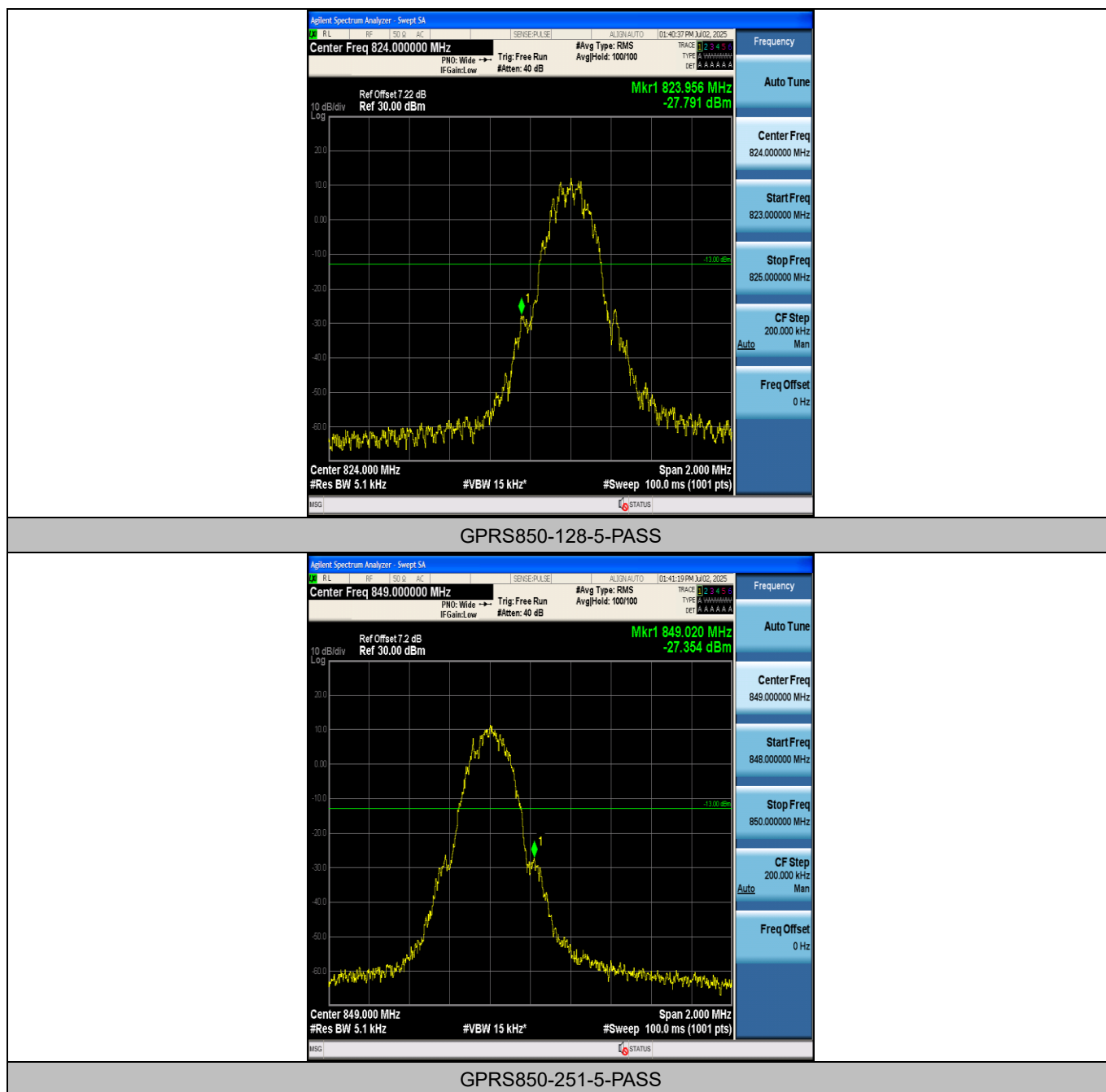
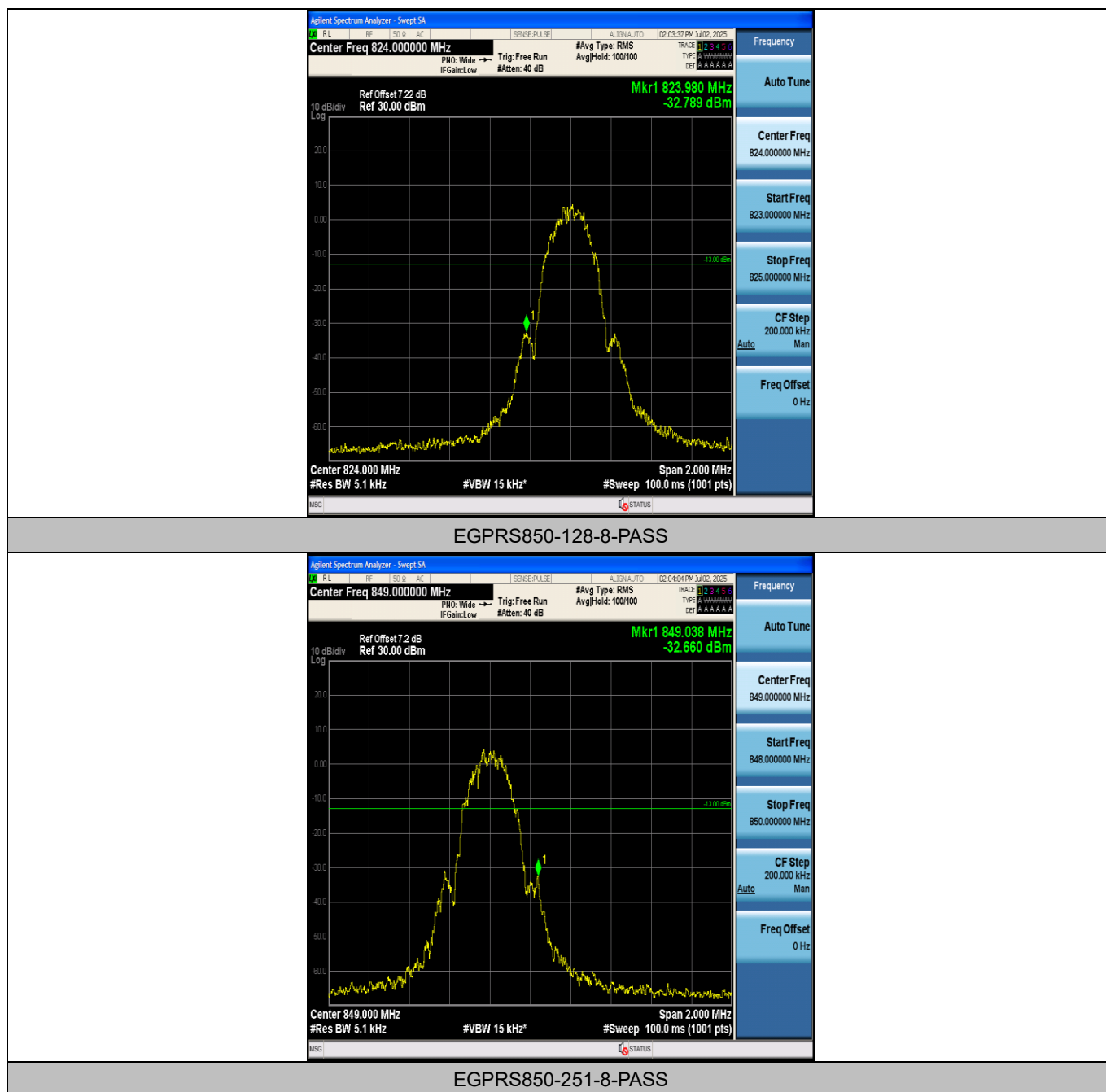
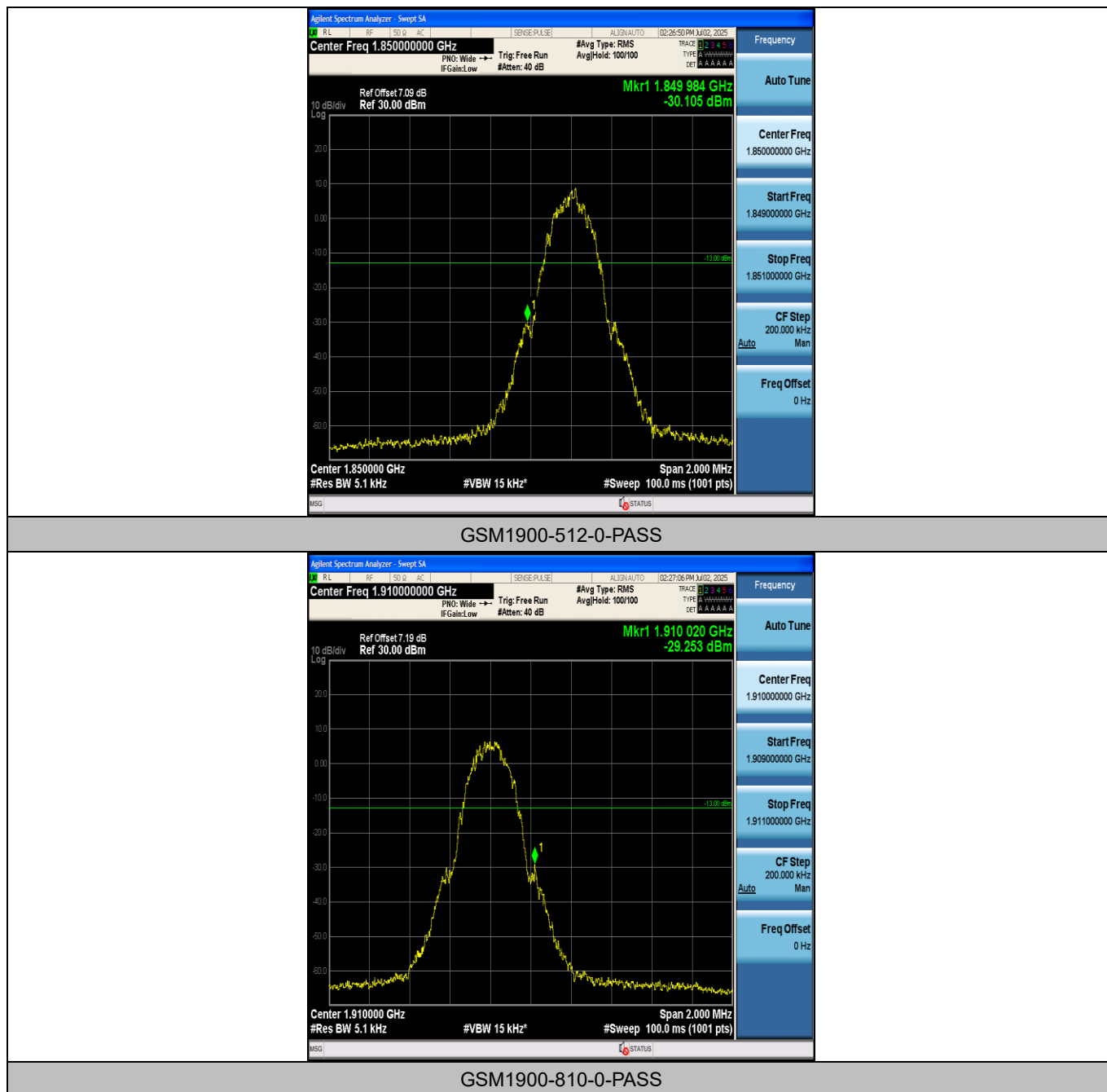


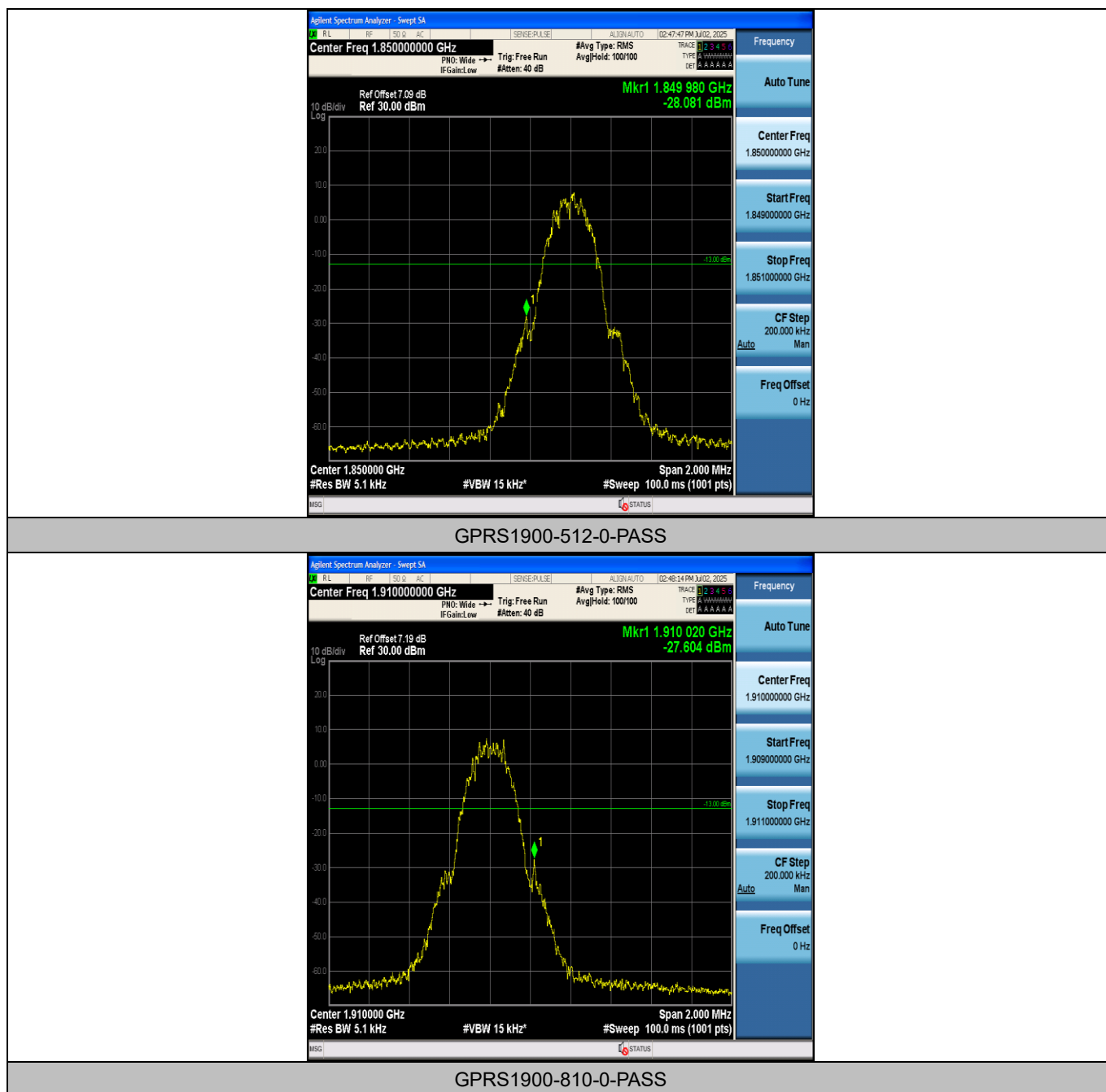
Test Graphs

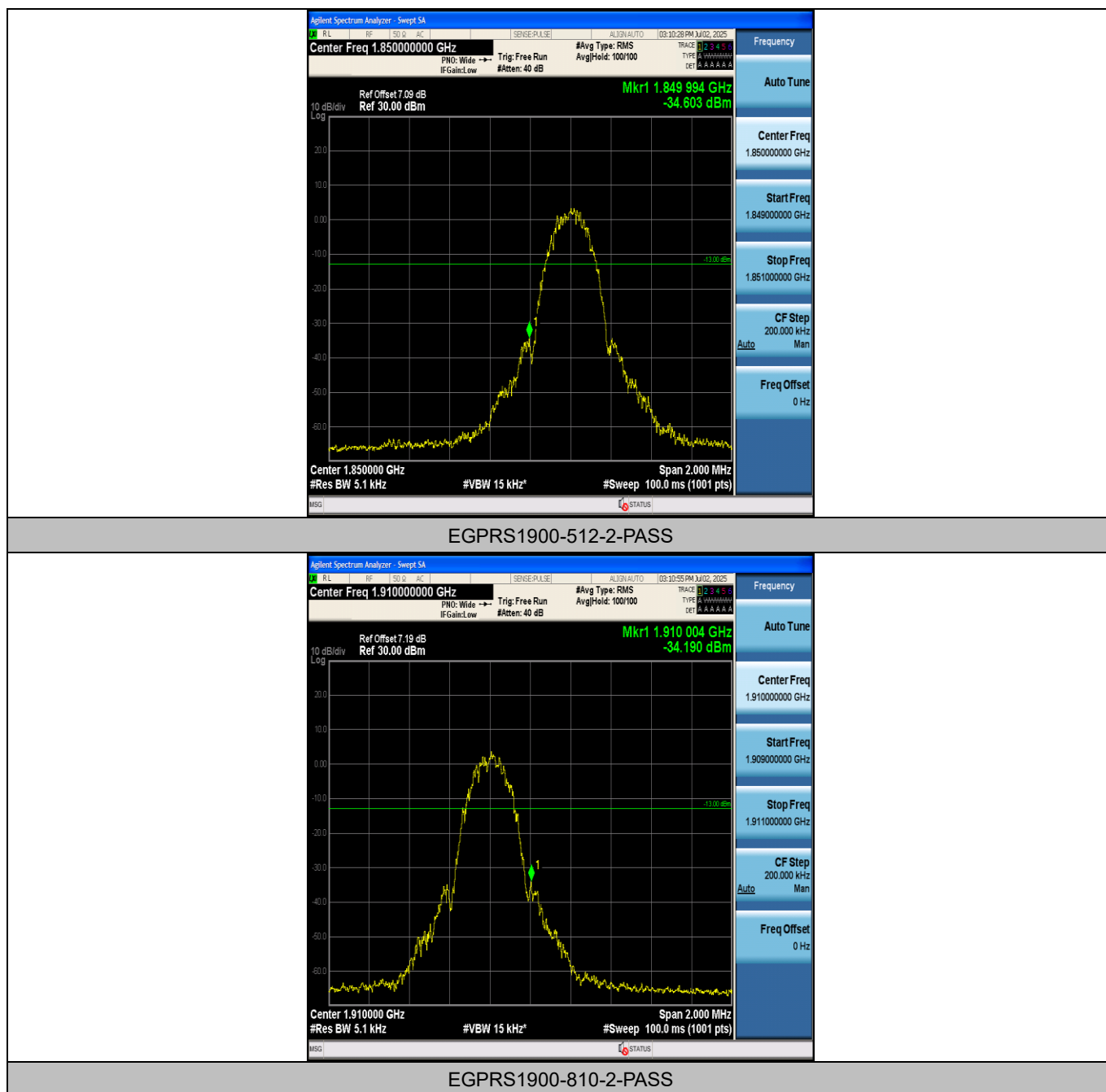










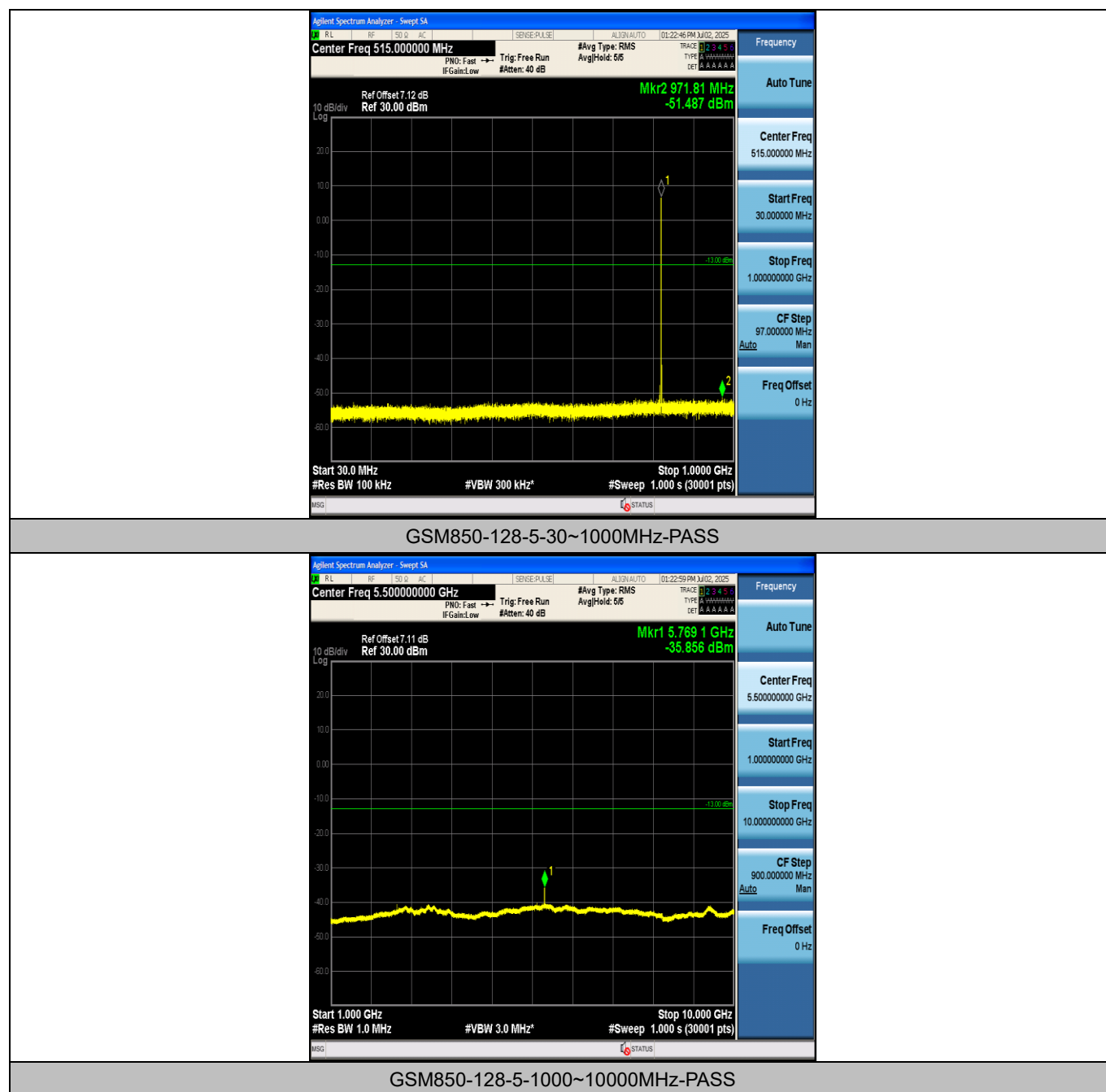


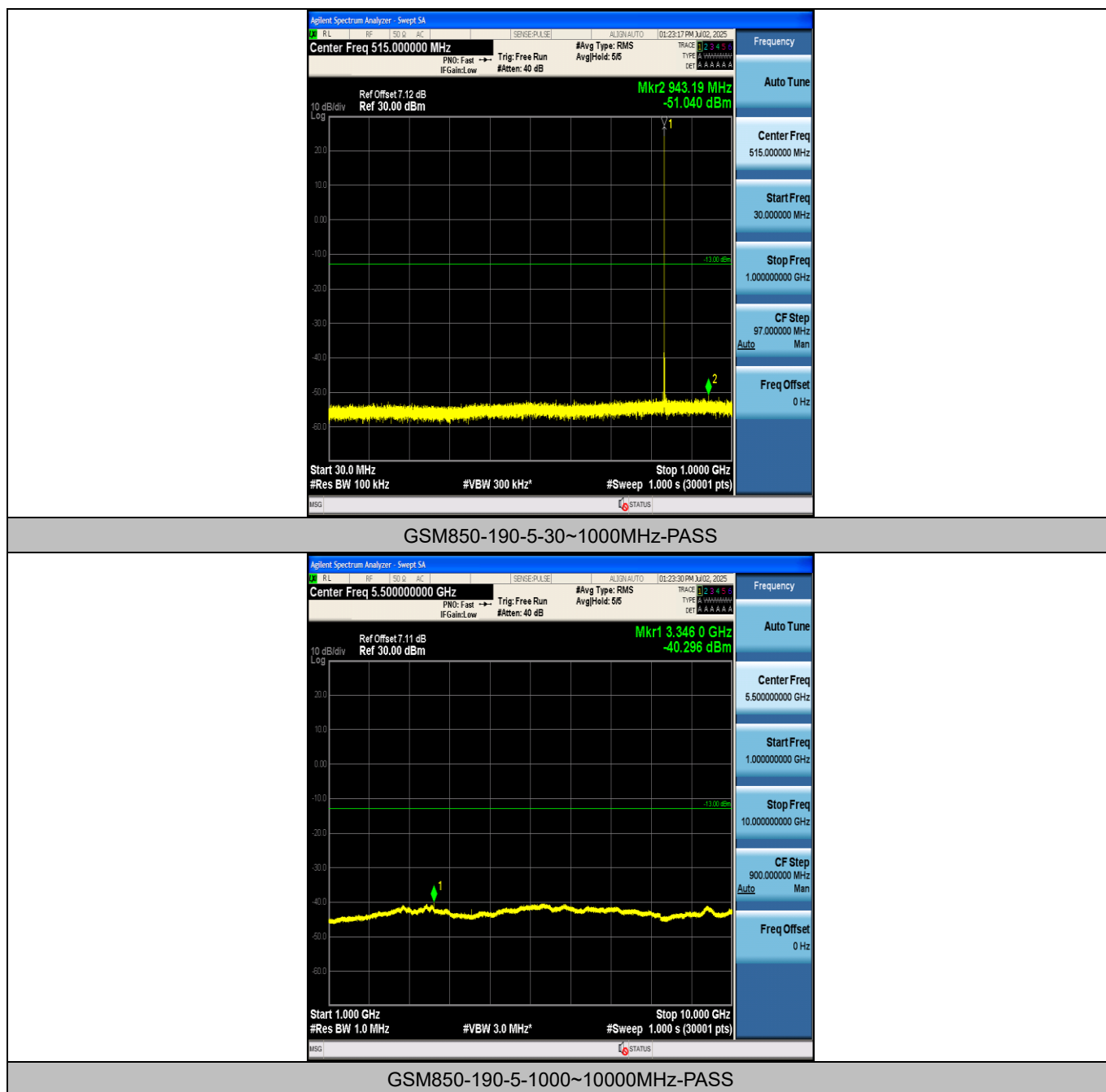
Appendix E: Conducted Spurious Emission

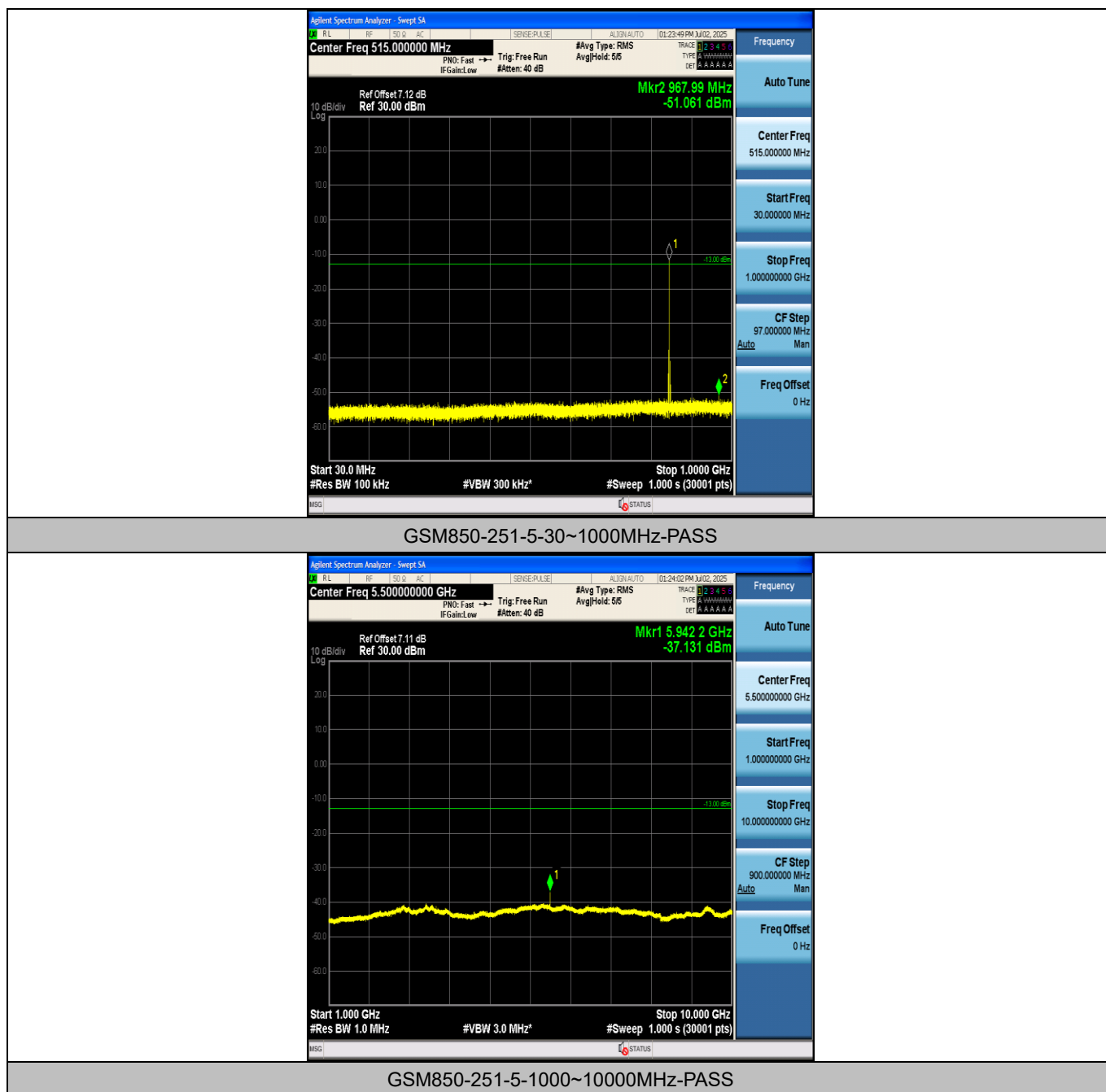
Test Result

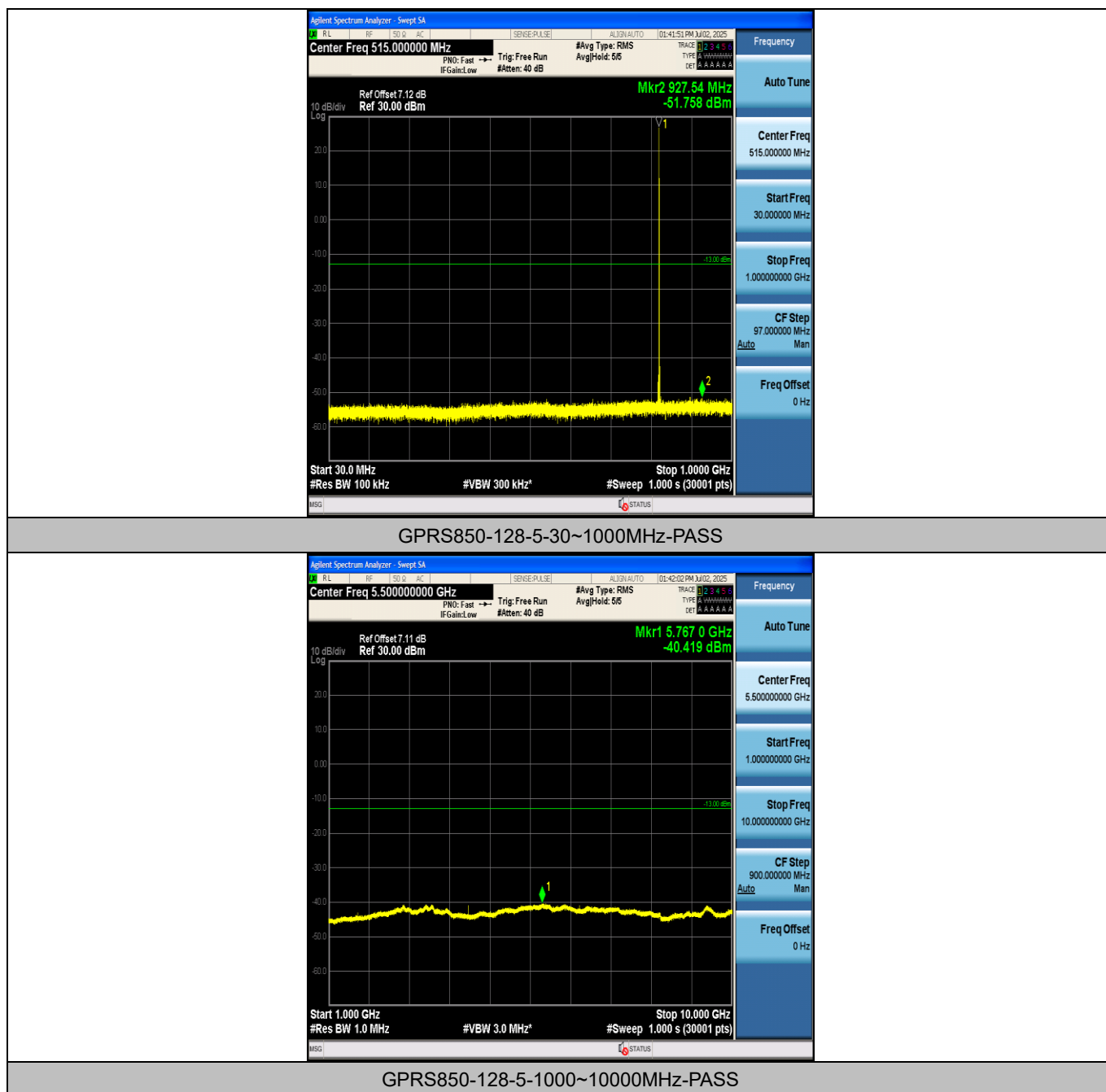
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	30~1000MHz	971.81	-51.49	-13	PASS
GSM850	128	1000~10000MHz	5769.1	-35.86	-13	PASS
GSM850	190	30~1000MHz	943.19	-51.04	-13	PASS
GSM850	190	1000~10000MHz	3346	-40.30	-13	PASS
GSM850	251	30~1000MHz	967.99	-51.06	-13	PASS
GSM850	251	1000~10000MHz	5942.2	-37.13	-13	PASS
GPRS850	128	30~1000MHz	927.54	-51.76	-13	PASS
GPRS850	128	1000~10000MHz	5767	-40.42	-13	PASS
GPRS850	190	30~1000MHz	994.37	-51.46	-13	PASS
GPRS850	190	1000~10000MHz	5856.1	-37.09	-13	PASS
GPRS850	251	30~1000MHz	984.58	-52.03	-13	PASS
GPRS850	251	1000~10000MHz	5941.6	-36.62	-13	PASS
EGPRS850	128	30~1000MHz	957.45	-51.74	-13	PASS
EGPRS850	128	1000~10000MHz	5824.9	-40.45	-13	PASS
EGPRS850	190	30~1000MHz	716.53	-51.76	-13	PASS
EGPRS850	190	1000~10000MHz	3177.4	-40.13	-13	PASS
EGPRS850	251	30~1000MHz	962.2	-51.62	-13	PASS
EGPRS850	251	1000~10000MHz	5756.2	-40.40	-13	PASS
GSM1900	512	30~1000MHz	903.16	-43.39	-13	PASS
GSM1900	512	1000~20000MHz	18934.1	-33.80	-13	PASS
GSM1900	661	30~1000MHz	901.38	-43.48	-13	PASS
GSM1900	661	1000~20000MHz	16435.6	-33.87	-13	PASS
GSM1900	810	30~1000MHz	939.76	-43.39	-13	PASS
GSM1900	810	1000~20000MHz	18986.03	-33.88	-13	PASS
GPRS1900	512	30~1000MHz	943.71	-43.44	-13	PASS
GPRS1900	512	1000~20000MHz	18887.87	-33.82	-13	PASS
GPRS1900	661	30~1000MHz	948.95	-43.49	-13	PASS
GPRS1900	661	1000~20000MHz	19004.4	-33.92	-13	PASS
GPRS1900	810	30~1000MHz	920.27	-43.35	-13	PASS
GPRS1900	810	1000~20000MHz	18943.6	-33.77	-13	PASS
EGPRS1900	512	30~1000MHz	948.14	-43.47	-13	PASS
EGPRS1900	512	1000~20000MHz	18942.33	-33.91	-13	PASS
EGPRS1900	661	30~1000MHz	948.43	-43.56	-13	PASS
EGPRS1900	661	1000~20000MHz	18923.97	-33.87	-13	PASS
EGPRS1900	810	30~1000MHz	883.76	-43.9	-13	PASS
EGPRS1900	810	1000~20000MHz	18931.57	-33.91	-13	PASS

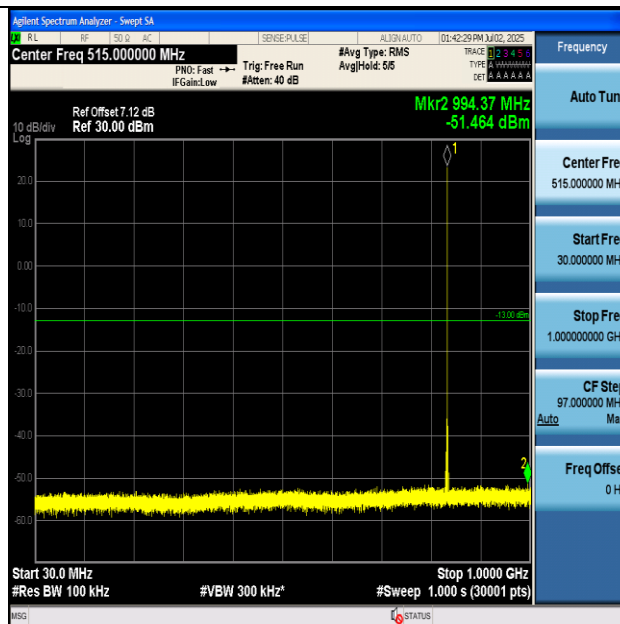
Test Graphs



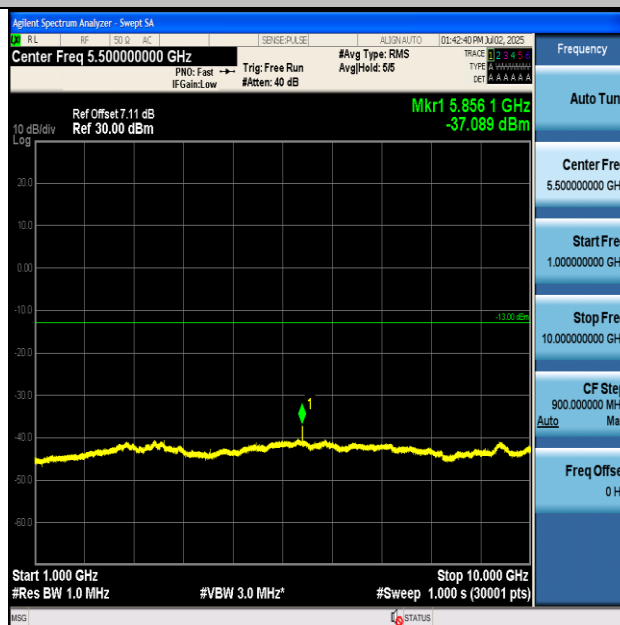




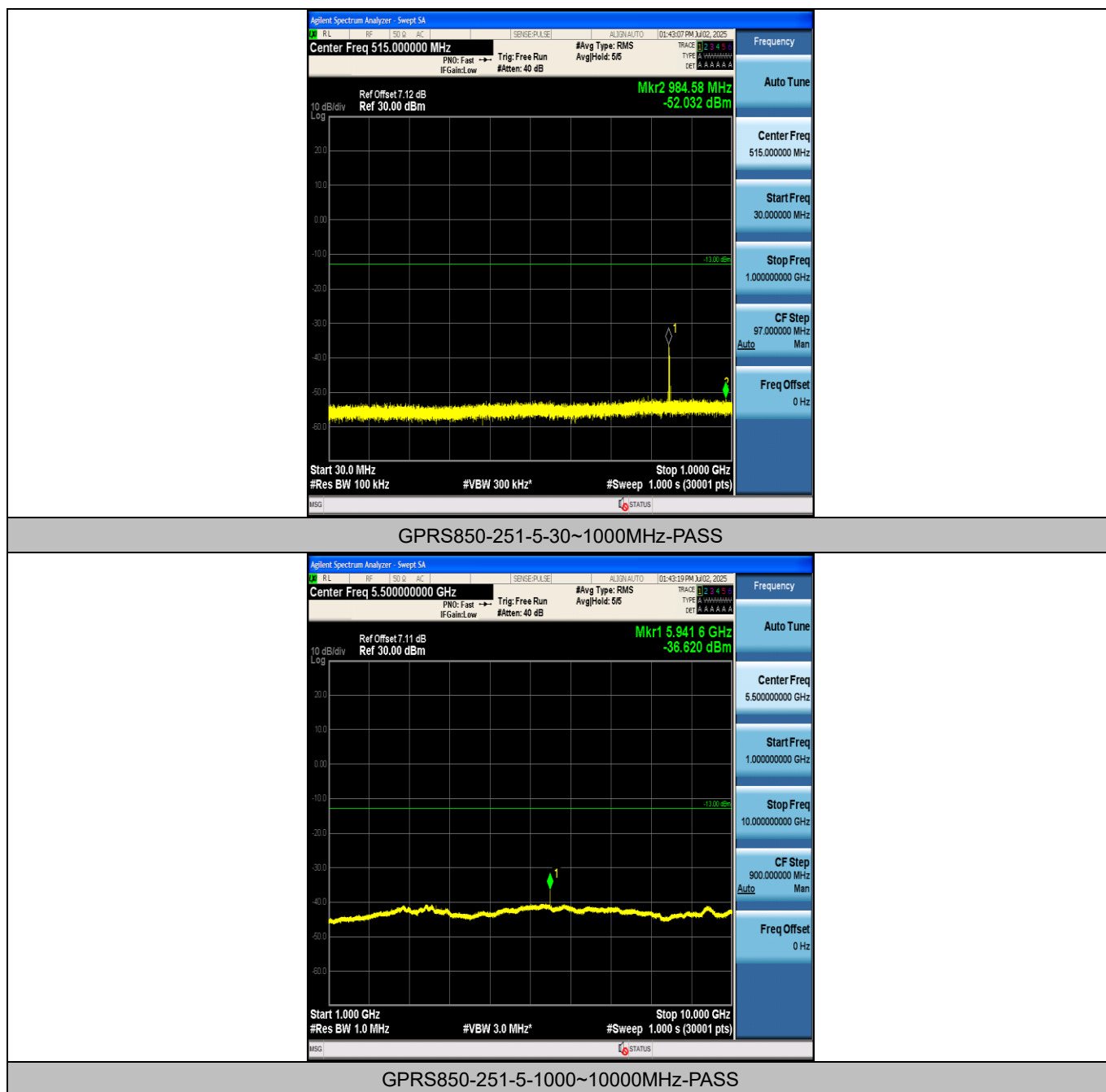


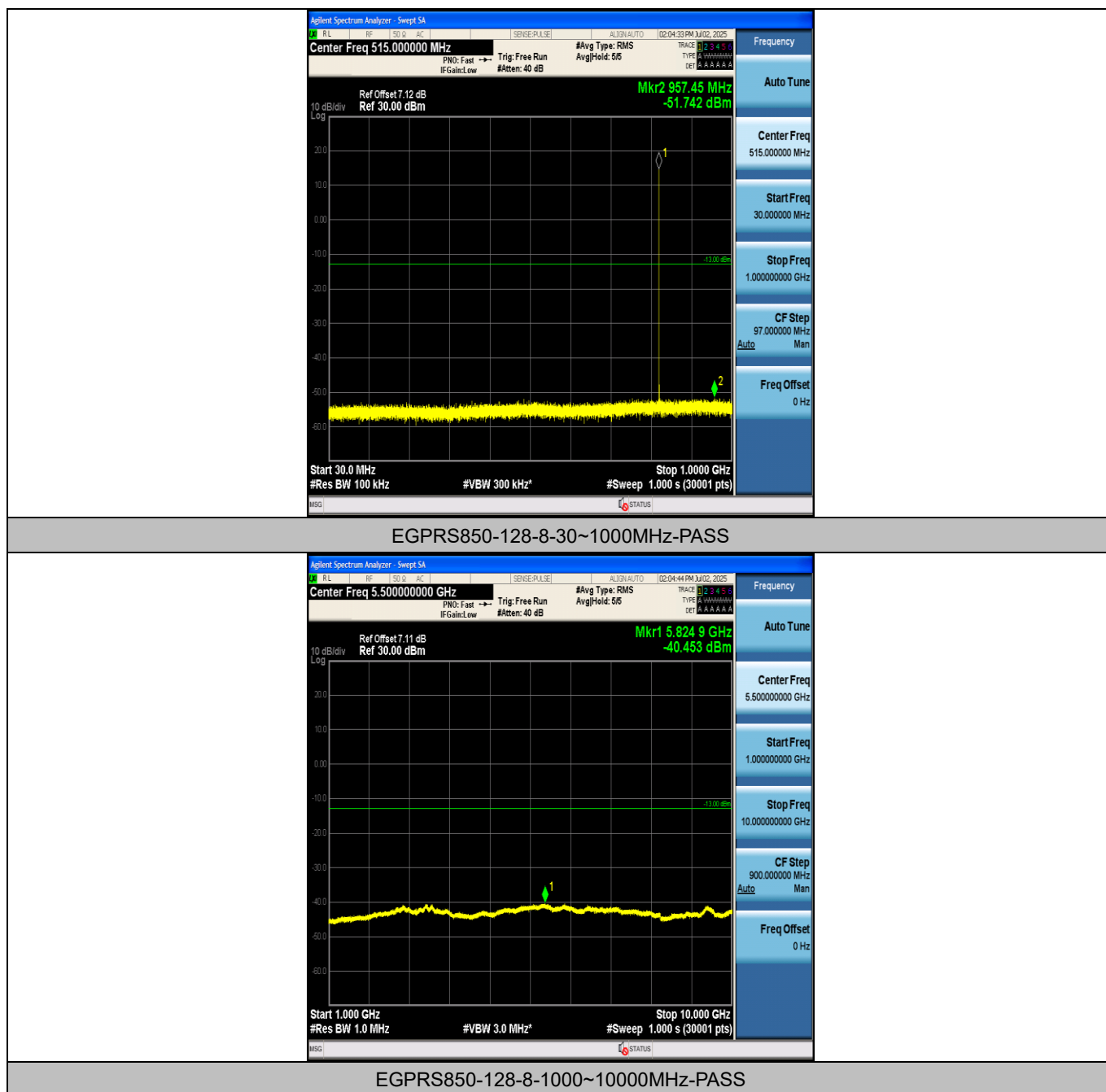


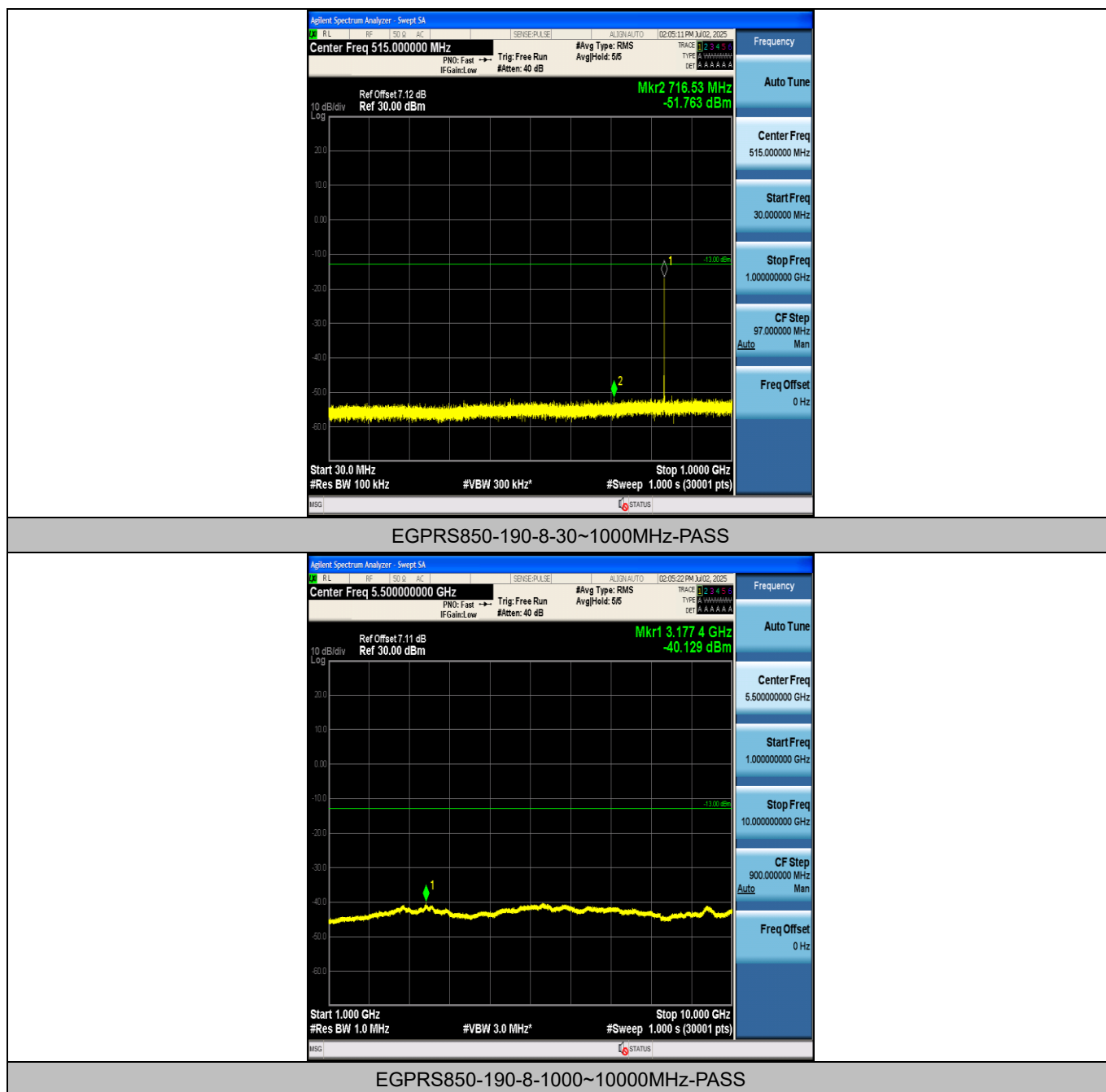
GPRS850-190-5-30~1000MHz-PASS

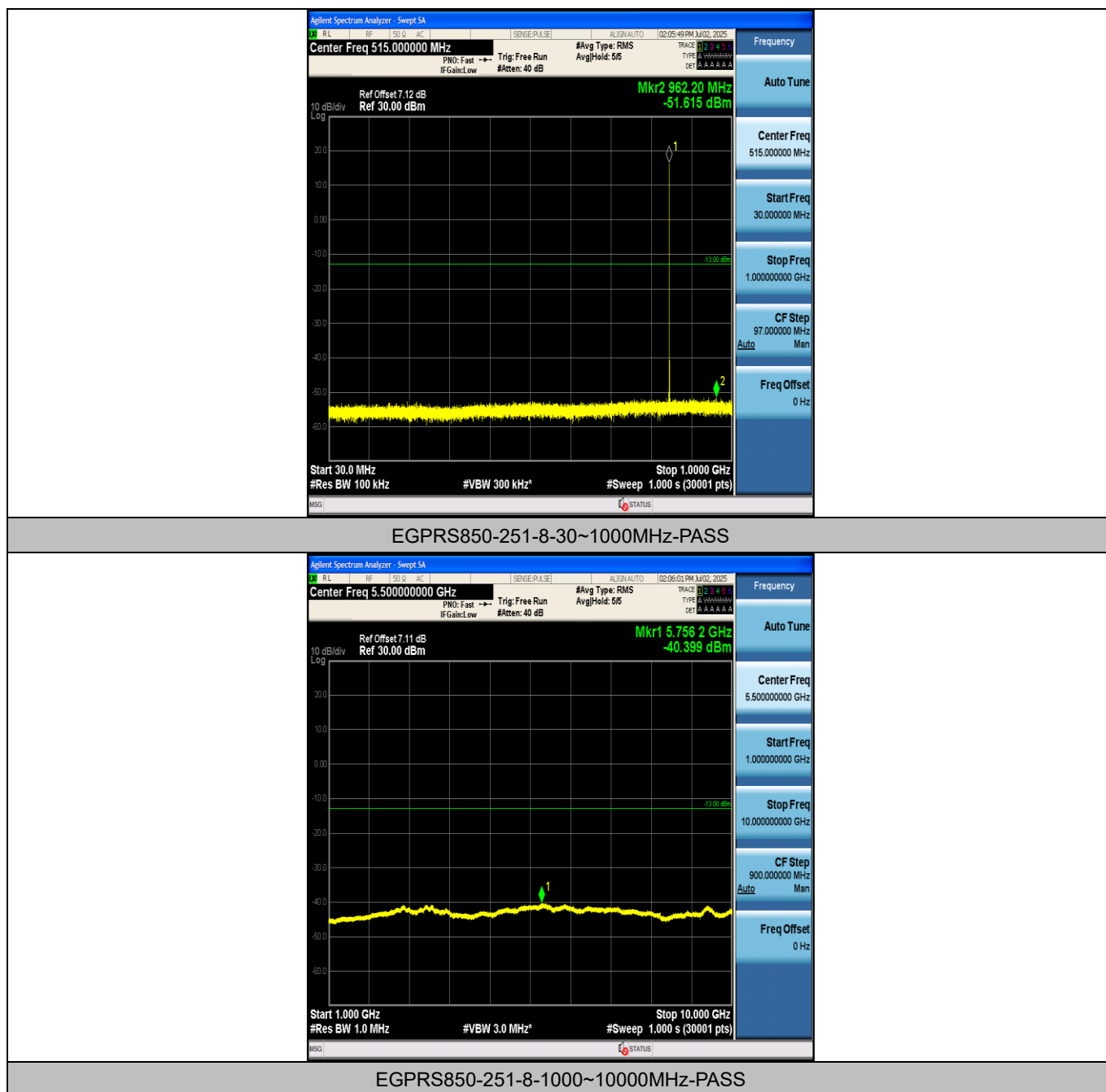


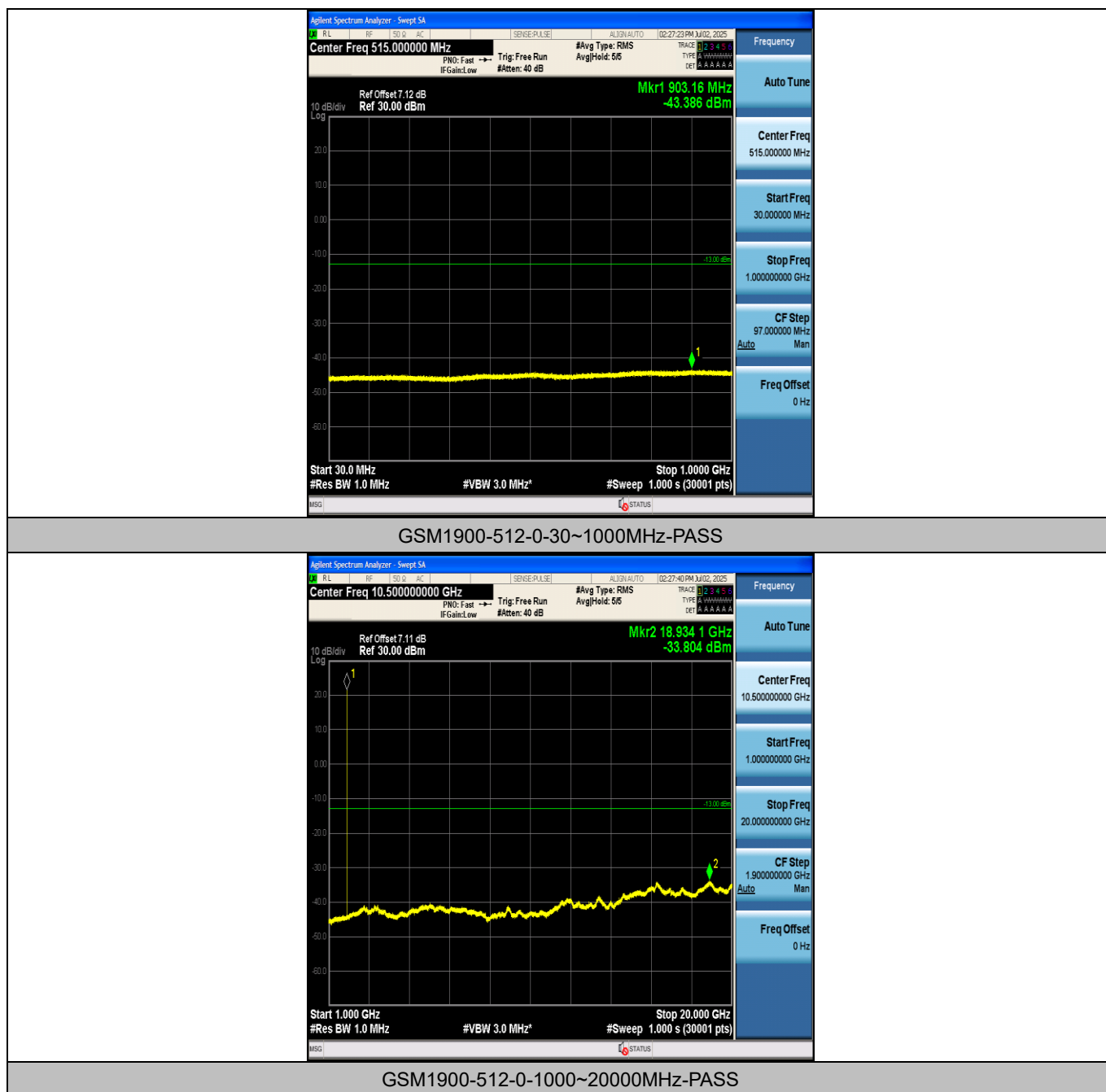
GPRS850-190-5-1000~10000MHz-PASS

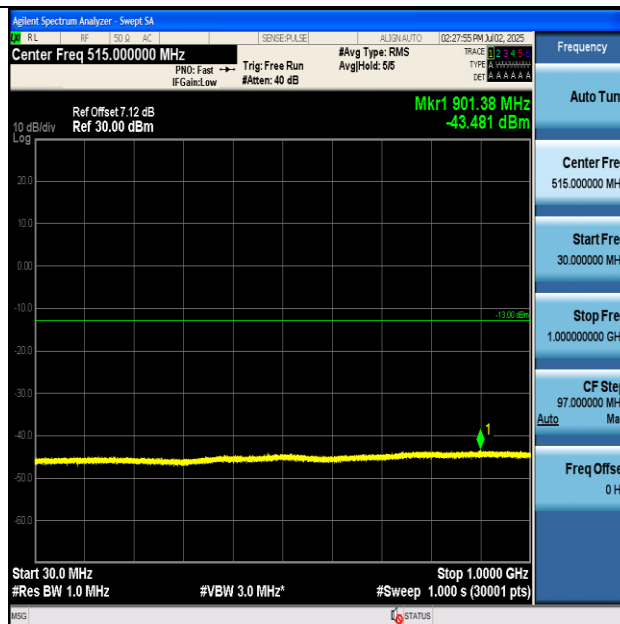




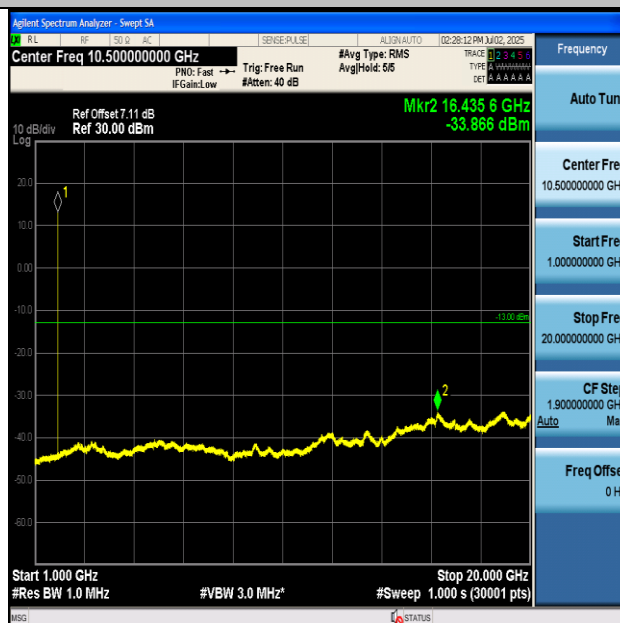




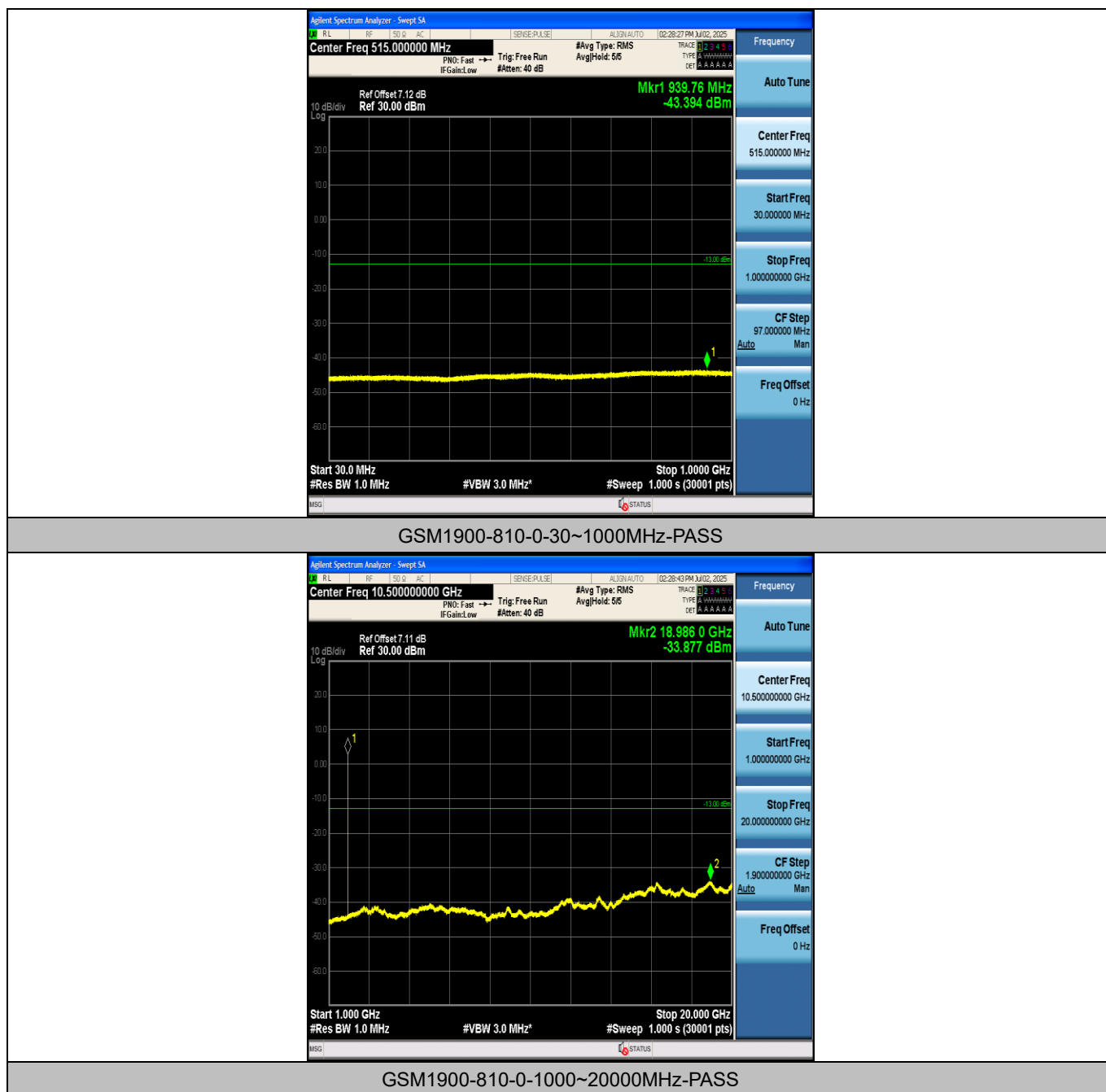


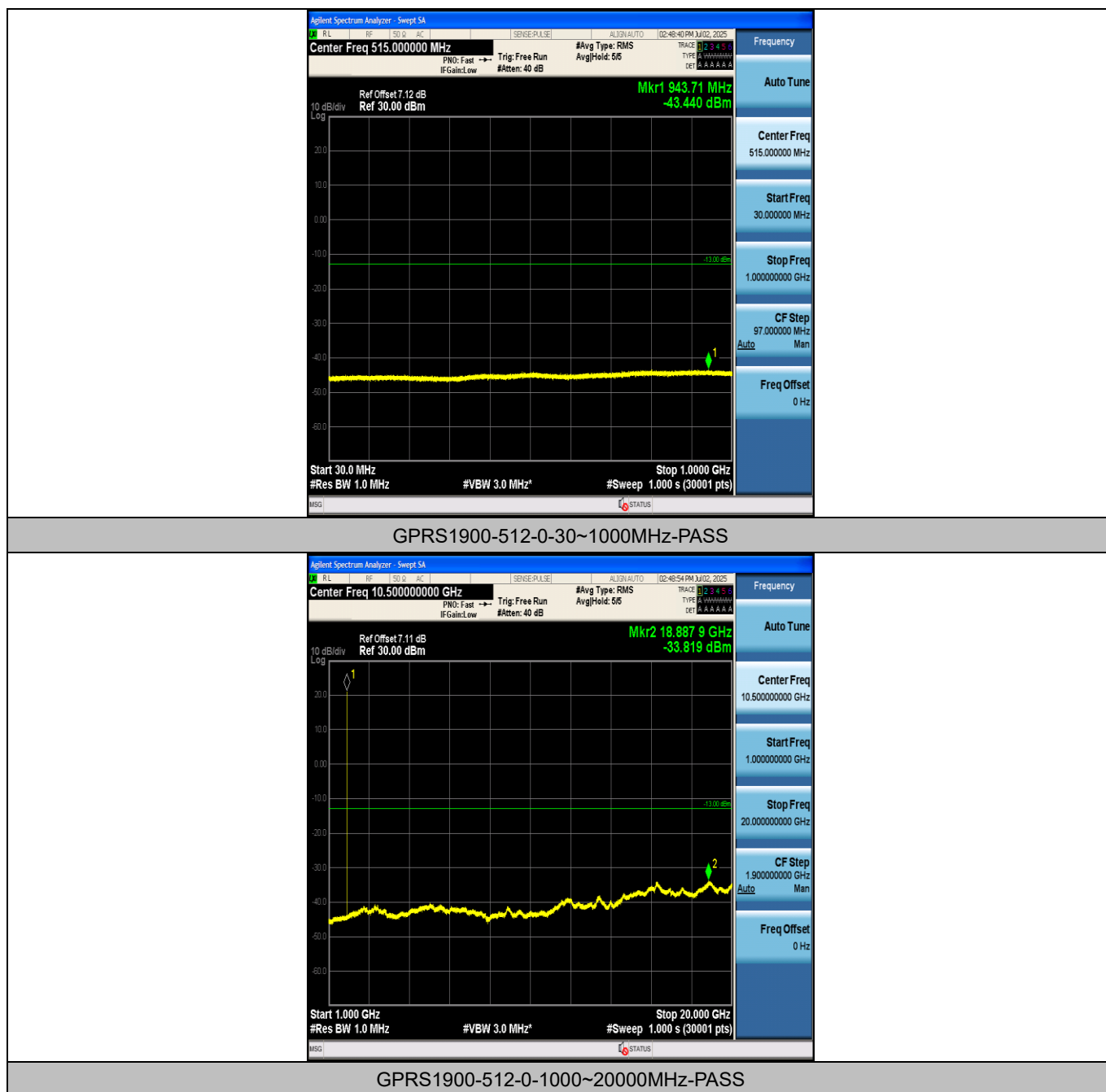


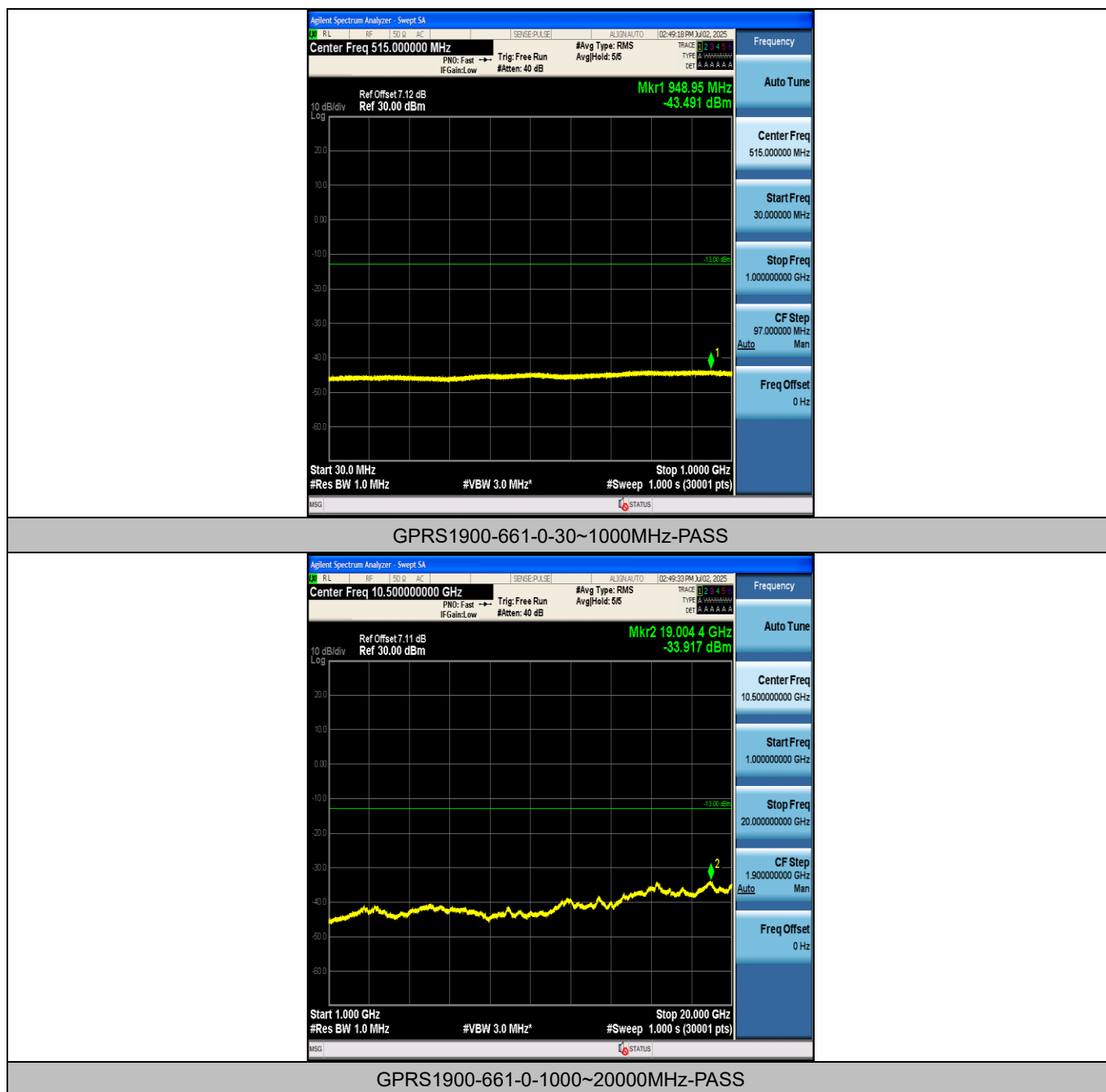
GSM1900-661-0-30~1000MHz-PASS

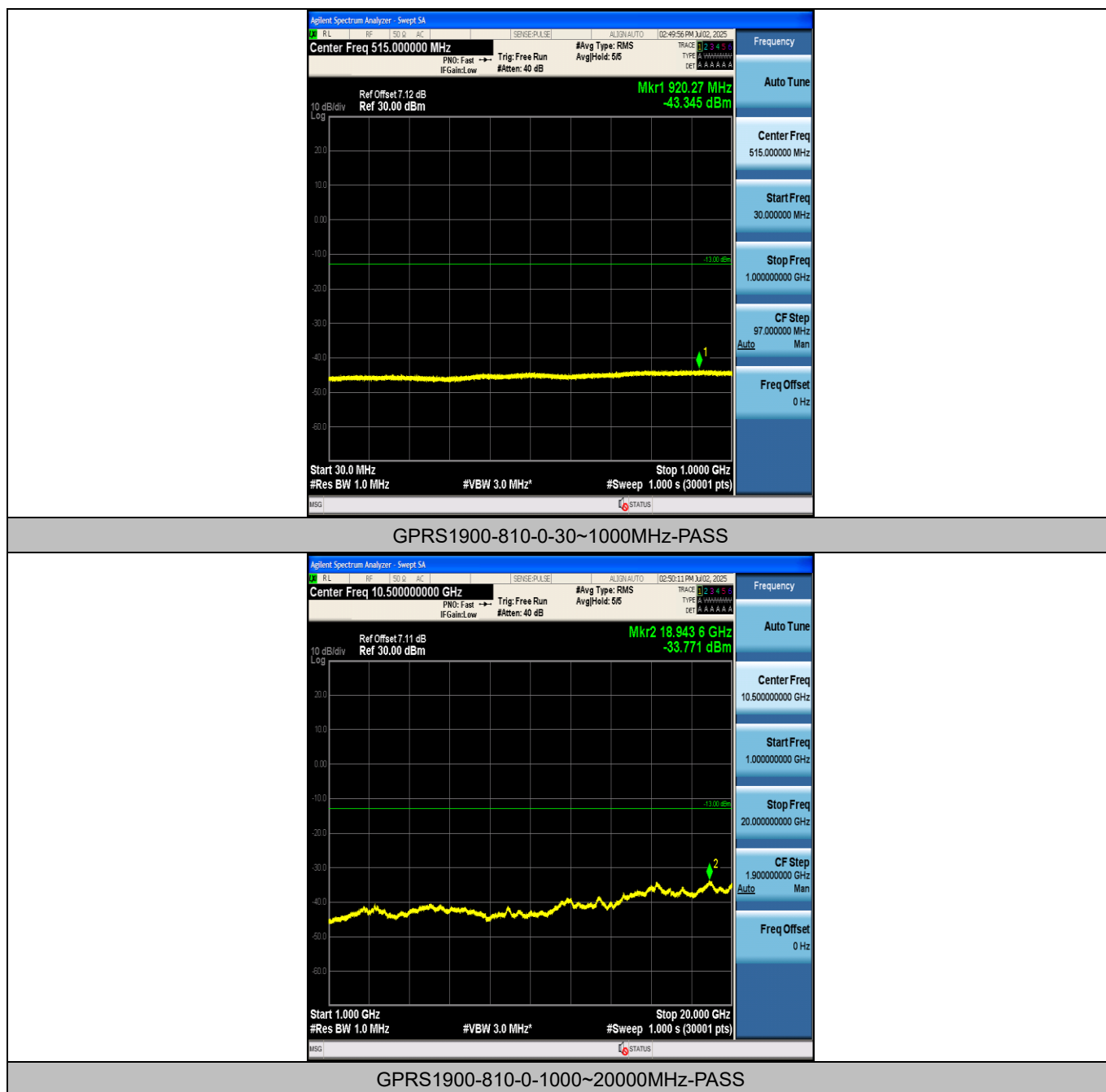


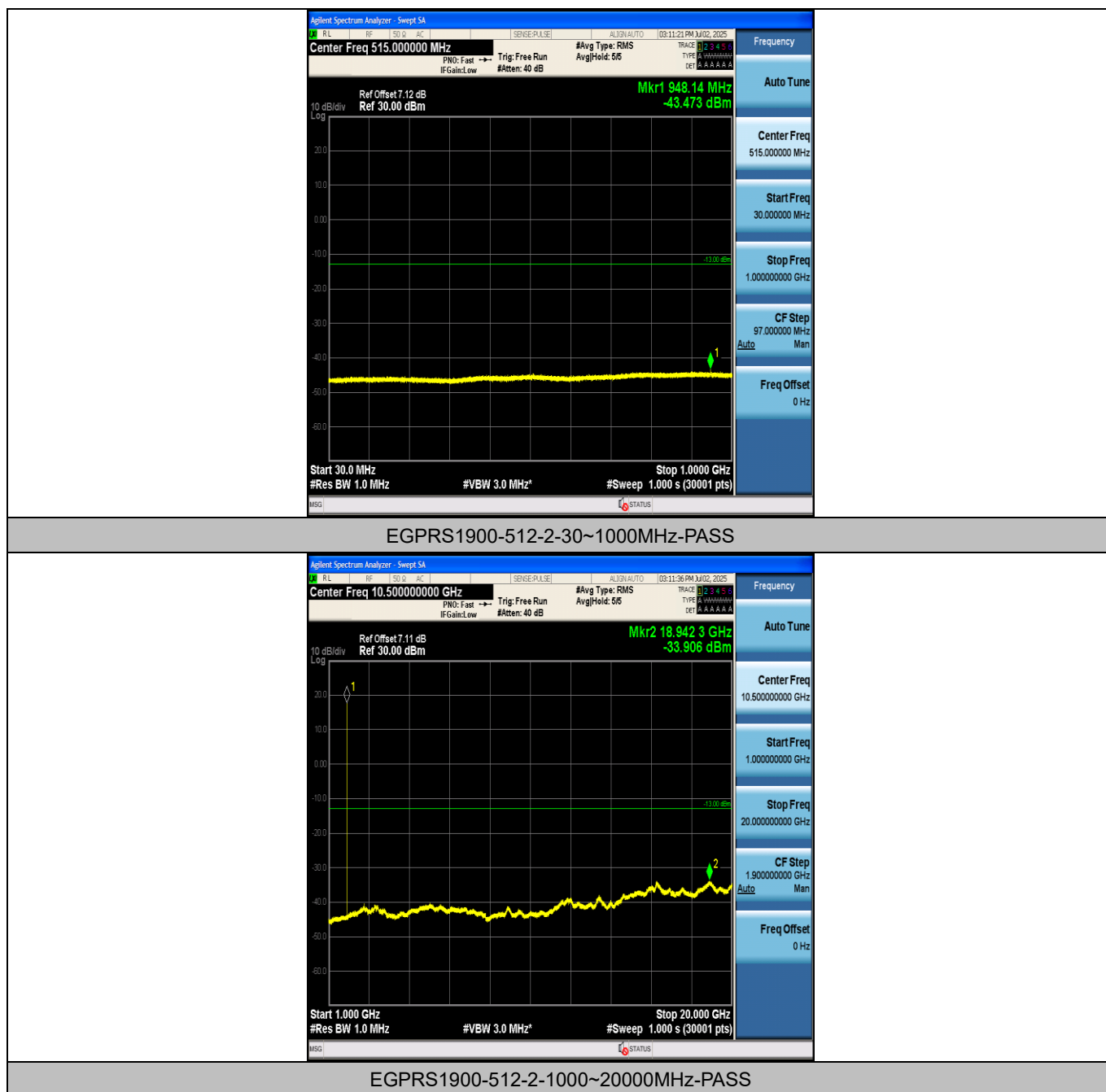
GSM1900-661-0-1000~20000MHz-PASS

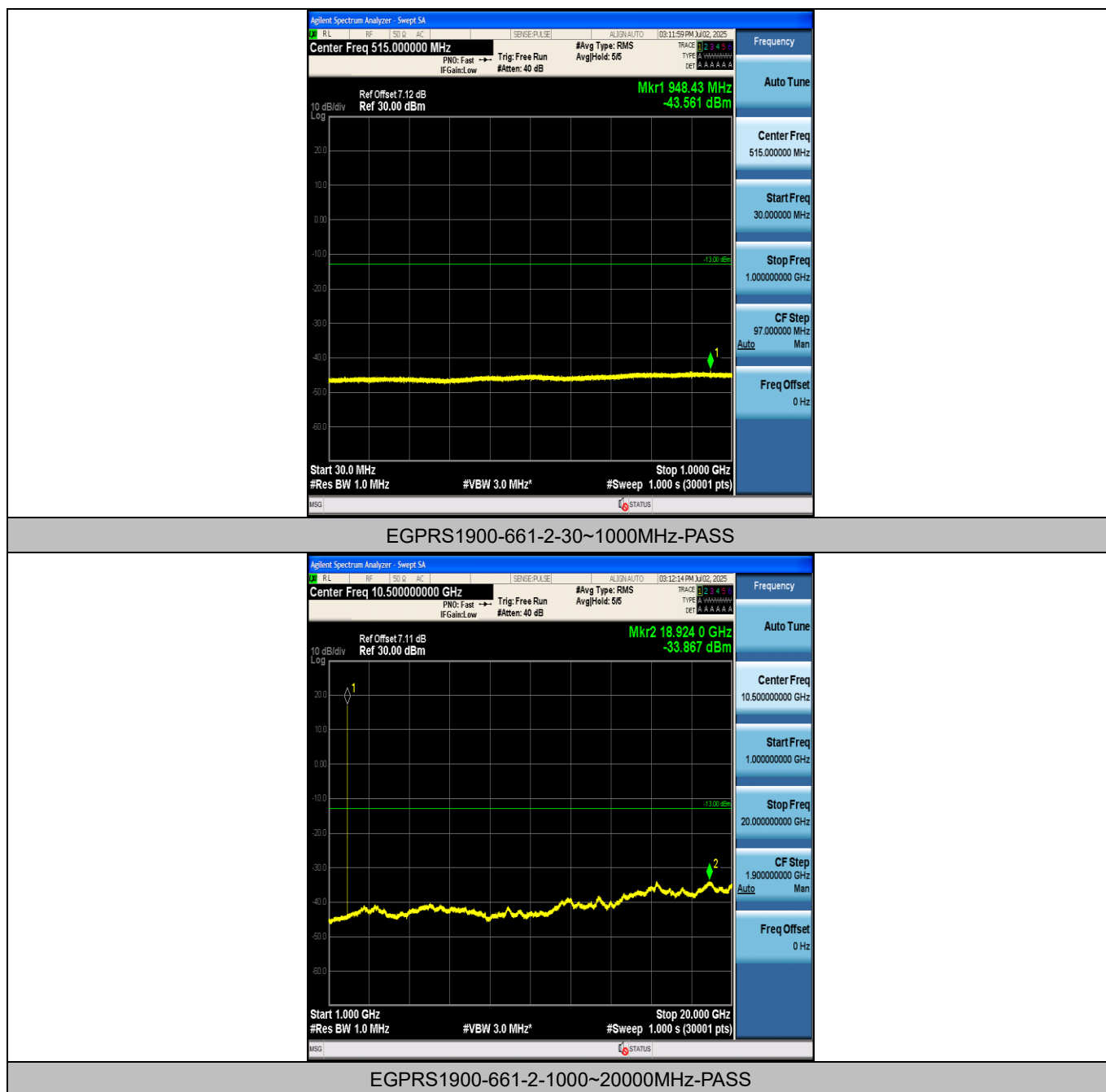


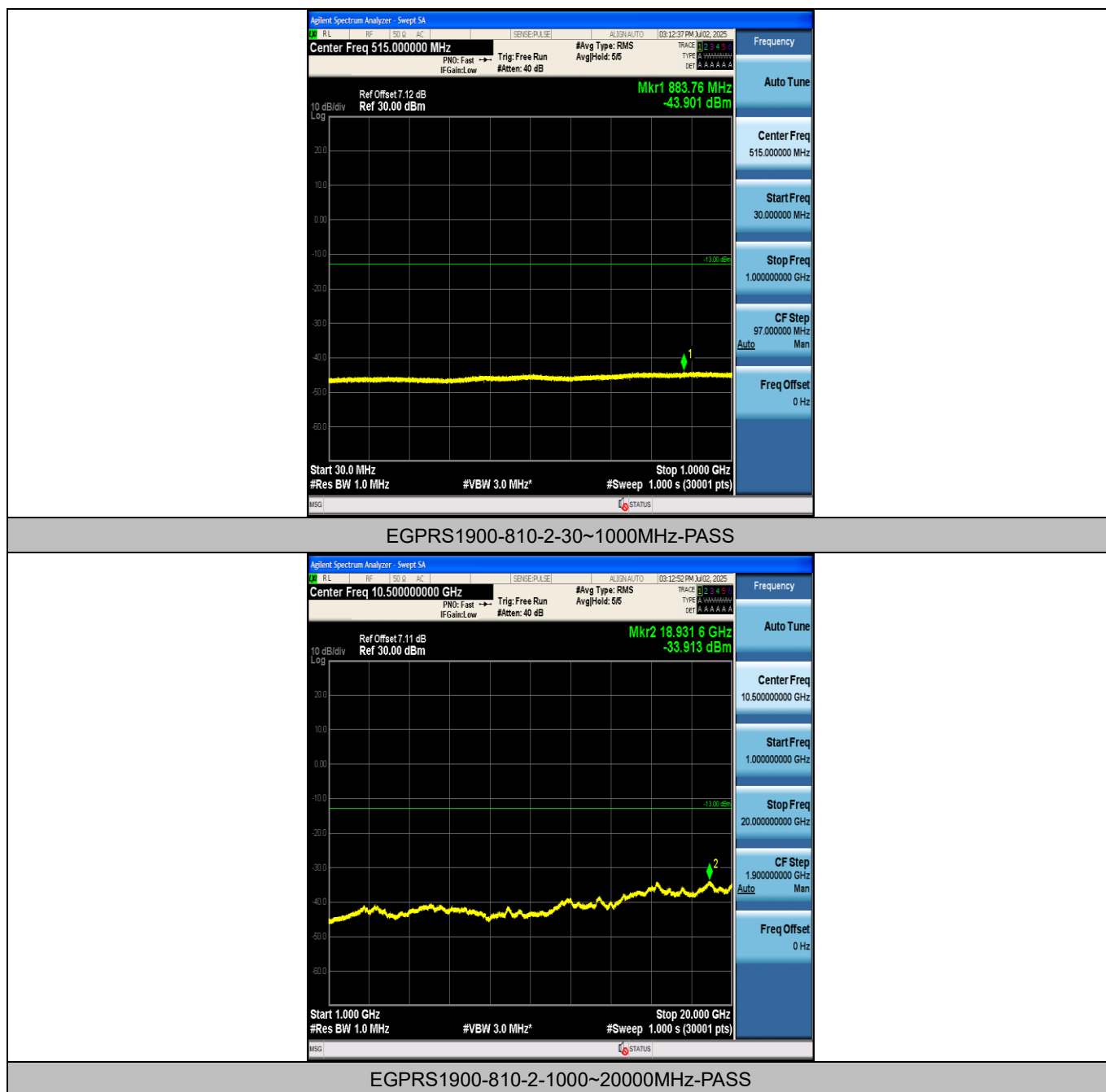












Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	-17.95	-0.021779	±2.5	PASS
GSM850	128	VL	NT	-14.24	-0.017277	±2.5	PASS
GSM850	128	VH	NT	-10.72	-0.013007	±2.5	PASS
GSM850	190	VN	NT	-7.75	-0.009264	±2.5	PASS
GSM850	190	VL	NT	-12.14	-0.014511	±2.5	PASS
GSM850	190	VH	NT	-16.59	-0.019830	±2.5	PASS
GSM850	251	VN	NT	-7.78	-0.009166	±2.5	PASS
GSM850	251	VL	NT	-9.94	-0.011711	±2.5	PASS
GSM850	251	VH	NT	-13.62	-0.016046	±2.5	PASS
GPRS850	128	VN	NT	-10.33	-0.012533	±2.5	PASS
GPRS850	128	VL	NT	-9.36	-0.011356	±2.5	PASS
GPRS850	128	VH	NT	-10.94	-0.013273	±2.5	PASS
GPRS850	190	VN	NT	-3.97	-0.004745	±2.5	PASS
GPRS850	190	VL	NT	-12.62	-0.015085	±2.5	PASS
GPRS850	190	VH	NT	-9.62	-0.011499	±2.5	PASS
GPRS850	251	VN	NT	-4.81	-0.005667	±2.5	PASS
GPRS850	251	VL	NT	-6.46	-0.007611	±2.5	PASS
GPRS850	251	VH	NT	-5.94	-0.006998	±2.5	PASS
EGPRS850	128	VN	NT	11.04	0.013395	±2.5	PASS
EGPRS850	128	VL	NT	8.14	0.009876	±2.5	PASS
EGPRS850	128	VH	NT	12.07	0.014645	±2.5	PASS
EGPRS850	190	VN	NT	10.30	0.012312	±2.5	PASS
EGPRS850	190	VL	NT	5.29	0.006323	±2.5	PASS
EGPRS850	190	VH	NT	8.85	0.010579	±2.5	PASS
EGPRS850	251	VN	NT	10.94	0.012889	±2.5	PASS
EGPRS850	251	VL	NT	10.75	0.012665	±2.5	PASS
EGPRS850	251	VH	NT	10.11	0.011911	±2.5	PASS
GSM1900	512	VN	NT	-10.46	-0.005653	±2.5	PASS
GSM1900	512	VL	NT	-11.59	-0.006264	±2.5	PASS
GSM1900	512	VH	NT	-8.88	-0.004799	±2.5	PASS
GSM1900	661	VN	NT	-6.20	-0.003298	±2.5	PASS
GSM1900	661	VL	NT	-4.26	-0.002266	±2.5	PASS
GSM1900	661	VH	NT	-12.46	-0.006628	±2.5	PASS
GSM1900	810	VN	NT	-4.42	-0.002314	±2.5	PASS
GSM1900	810	VL	NT	6.68	0.003498	±2.5	PASS

GSM1900	810	VH	NT	-9.36	-0.004901	±2.5	PASS
GPRS1900	512	VN	NT	5.10	0.002756	±2.5	PASS
GPRS1900	512	VL	NT	-7.62	-0.004118	±2.5	PASS
GPRS1900	512	VH	NT	8.52	0.004605	±2.5	PASS
GPRS1900	661	VN	NT	-4.71	-0.002505	±2.5	PASS
GPRS1900	661	VL	NT	2.94	0.001564	±2.5	PASS
GPRS1900	661	VH	NT	3.16	0.001681	±2.5	PASS
GPRS1900	810	VN	NT	-3.75	-0.001964	±2.5	PASS
GPRS1900	810	VL	NT	7.46	0.003906	±2.5	PASS
GPRS1900	810	VH	NT	2.55	0.001335	±2.5	PASS
EGPRS1900	512	VN	NT	-4.58	-0.002475	±2.5	PASS
EGPRS1900	512	VL	NT	-1.07	-0.000578	±2.5	PASS
EGPRS1900	512	VH	NT	1.23	0.000665	±2.5	PASS
EGPRS1900	661	VN	NT	0.97	0.000516	±2.5	PASS
EGPRS1900	661	VL	NT	15.40	0.008191	±2.5	PASS
EGPRS1900	661	VH	NT	9.72	0.005170	±2.5	PASS
EGPRS1900	810	VN	NT	12.95	0.006781	±2.5	PASS
EGPRS1900	810	VL	NT	10.20	0.005341	±2.5	PASS
EGPRS1900	810	VH	NT	11.88	0.006221	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-19.73	-0.023938	±2.5	PASS
GSM850	128	NV	-20	-19.47	-0.023623	±2.5	PASS
GSM850	128	NV	-10	-25.18	-0.030551	±2.5	PASS
GSM850	128	NV	0	-11.91	-0.014450	±2.5	PASS
GSM850	128	NV	10	-7.20	-0.008736	±2.5	PASS
GSM850	128	NV	20	-15.95	-0.019352	±2.5	PASS
GSM850	128	NV	30	-11.56	-0.014026	±2.5	PASS
GSM850	128	NV	40	-16.85	-0.020444	±2.5	PASS
GSM850	128	NV	50	-23.76	-0.028828	±2.5	PASS
GSM850	190	NV	-30	-8.62	-0.010304	±2.5	PASS
GSM850	190	NV	-20	-13.98	-0.016710	±2.5	PASS
GSM850	190	NV	-10	-6.23	-0.007447	±2.5	PASS
GSM850	190	NV	0	-18.27	-0.021838	±2.5	PASS
GSM850	190	NV	10	-12.49	-0.014929	±2.5	PASS
GSM850	190	NV	20	-14.27	-0.017057	±2.5	PASS
GSM850	190	NV	30	-5.17	-0.006180	±2.5	PASS
GSM850	190	NV	40	-1.71	-0.002044	±2.5	PASS
GSM850	190	NV	50	-13.30	-0.015898	±2.5	PASS
GSM850	251	NV	-30	-14.30	-0.016847	±2.5	PASS

GSM850	251	NV	-20	-8.65	-0.010191	±2.5	PASS
GSM850	251	NV	-10	-20.92	-0.024647	±2.5	PASS
GSM850	251	NV	0	-25.51	-0.030054	±2.5	PASS
GSM850	251	NV	10	-14.27	-0.016812	±2.5	PASS
GSM850	251	NV	20	-14.66	-0.017271	±2.5	PASS
GSM850	251	NV	30	-10.27	-0.012099	±2.5	PASS
GSM850	251	NV	40	-7.59	-0.008942	±2.5	PASS
GSM850	251	NV	50	-10.98	-0.012936	±2.5	PASS
GPRS850	128	NV	-30	-14.04	-0.017035	±2.5	PASS
GPRS850	128	NV	-20	-10.17	-0.012339	±2.5	PASS
GPRS850	128	NV	-10	-9.85	-0.011951	±2.5	PASS
GPRS850	128	NV	0	-10.20	-0.012376	±2.5	PASS
GPRS850	128	NV	10	-7.85	-0.009524	±2.5	PASS
GPRS850	128	NV	20	-8.78	-0.010653	±2.5	PASS
GPRS850	128	NV	30	-12.11	-0.014693	±2.5	PASS
GPRS850	128	NV	40	-9.23	-0.011199	±2.5	PASS
GPRS850	128	NV	50	-5.49	-0.006661	±2.5	PASS
GPRS850	190	NV	-30	-10.43	-0.012467	±2.5	PASS
GPRS850	190	NV	-20	-13.08	-0.015635	±2.5	PASS
GPRS850	190	NV	-10	-10.62	-0.012694	±2.5	PASS
GPRS850	190	NV	0	-11.36	-0.013579	±2.5	PASS
GPRS850	190	NV	10	-7.55	-0.009025	±2.5	PASS
GPRS850	190	NV	20	-14.08	-0.016830	±2.5	PASS
GPRS850	190	NV	30	-11.40	-0.013627	±2.5	PASS
GPRS850	190	NV	40	-8.88	-0.010614	±2.5	PASS
GPRS850	190	NV	50	-10.36	-0.012383	±2.5	PASS
GPRS850	251	NV	-30	-5.26	-0.006197	±2.5	PASS
GPRS850	251	NV	-20	-9.20	-0.010839	±2.5	PASS
GPRS850	251	NV	-10	-7.01	-0.008259	±2.5	PASS
GPRS850	251	NV	0	-5.23	-0.006162	±2.5	PASS
GPRS850	251	NV	10	-7.65	-0.009013	±2.5	PASS
GPRS850	251	NV	20	-7.65	-0.009013	±2.5	PASS
GPRS850	251	NV	30	-7.68	-0.009048	±2.5	PASS
GPRS850	251	NV	40	-3.91	-0.004607	±2.5	PASS
GPRS850	251	NV	50	-6.68	-0.007870	±2.5	PASS
EGPRS850	128	NV	-30	8.30	0.010070	±2.5	PASS
EGPRS850	128	NV	-20	8.39	0.010180	±2.5	PASS
EGPRS850	128	NV	-10	9.07	0.011005	±2.5	PASS
EGPRS850	128	NV	0	4.88	0.005921	±2.5	PASS
EGPRS850	128	NV	10	6.33	0.007680	±2.5	PASS
EGPRS850	128	NV	20	8.46	0.010264	±2.5	PASS
EGPRS850	128	NV	30	5.59	0.006782	±2.5	PASS

EGPRS850	128	NV	40	6.75	0.008190	±2.5	PASS
EGPRS850	128	NV	50	5.10	0.006188	±2.5	PASS
EGPRS850	190	NV	-30	9.14	0.010925	±2.5	PASS
EGPRS850	190	NV	-20	6.81	0.008140	±2.5	PASS
EGPRS850	190	NV	-10	9.30	0.011116	±2.5	PASS
EGPRS850	190	NV	0	5.39	0.006443	±2.5	PASS
EGPRS850	190	NV	10	5.42	0.006479	±2.5	PASS
EGPRS850	190	NV	20	4.00	0.004781	±2.5	PASS
EGPRS850	190	NV	30	8.85	0.010579	±2.5	PASS
EGPRS850	190	NV	40	5.13	0.006132	±2.5	PASS
EGPRS850	190	NV	50	4.58	0.005475	±2.5	PASS
EGPRS850	251	NV	-30	8.27	0.009743	±2.5	PASS
EGPRS850	251	NV	-20	9.01	0.010615	±2.5	PASS
EGPRS850	251	NV	-10	8.65	0.010191	±2.5	PASS
EGPRS850	251	NV	0	9.14	0.010768	±2.5	PASS
EGPRS850	251	NV	10	7.65	0.009013	±2.5	PASS
EGPRS850	251	NV	20	7.52	0.008860	±2.5	PASS
EGPRS850	251	NV	30	8.04	0.009472	±2.5	PASS
EGPRS850	251	NV	40	8.78	0.010344	±2.5	PASS
EGPRS850	251	NV	50	7.62	0.008977	±2.5	PASS
GSM1900	512	NV	-30	-12.59	-0.006805	±2.5	PASS
GSM1900	512	NV	-20	0.71	0.000384	±2.5	PASS
GSM1900	512	NV	-10	-9.43	-0.005097	±2.5	PASS
GSM1900	512	NV	0	-17.11	-0.009248	±2.5	PASS
GSM1900	512	NV	10	9.46	0.005113	±2.5	PASS
GSM1900	512	NV	20	6.23	0.003367	±2.5	PASS
GSM1900	512	NV	30	-7.72	-0.004173	±2.5	PASS
GSM1900	512	NV	40	-3.68	-0.001989	±2.5	PASS
GSM1900	512	NV	50	-5.42	-0.002929	±2.5	PASS
GSM1900	661	NV	-30	-20.21	-0.010750	±2.5	PASS
GSM1900	661	NV	-20	-16.63	-0.008846	±2.5	PASS
GSM1900	661	NV	-10	12.95	0.006888	±2.5	PASS
GSM1900	661	NV	0	-17.24	-0.009170	±2.5	PASS
GSM1900	661	NV	10	-9.33	-0.004963	±2.5	PASS
GSM1900	661	NV	20	4.97	0.002644	±2.5	PASS
GSM1900	661	NV	30	-5.07	-0.002697	±2.5	PASS
GSM1900	661	NV	40	4.88	0.002596	±2.5	PASS
GSM1900	661	NV	50	-0.81	-0.000431	±2.5	PASS
GSM1900	810	NV	-30	-9.17	-0.004802	±2.5	PASS
GSM1900	810	NV	-20	-0.03	-0.000016	±2.5	PASS
GSM1900	810	NV	-10	-13.85	-0.007252	±2.5	PASS
GSM1900	810	NV	0	14.69	0.007692	±2.5	PASS

GSM1900	810	NV	10	-11.40	-0.005969	±2.5	PASS
GSM1900	810	NV	20	9.81	0.005137	±2.5	PASS
GSM1900	810	NV	30	10.59	0.005545	±2.5	PASS
GSM1900	810	NV	40	4.00	0.002094	±2.5	PASS
GSM1900	810	NV	50	-14.50	-0.007592	±2.5	PASS
GPRS1900	512	NV	-30	-9.33	-0.005043	±2.5	PASS
GPRS1900	512	NV	-20	-7.07	-0.003821	±2.5	PASS
GPRS1900	512	NV	-10	-10.01	-0.005410	±2.5	PASS
GPRS1900	512	NV	0	-15.11	-0.008167	±2.5	PASS
GPRS1900	512	NV	10	-7.01	-0.003789	±2.5	PASS
GPRS1900	512	NV	20	-10.59	-0.005724	±2.5	PASS
GPRS1900	512	NV	30	-7.46	-0.004032	±2.5	PASS
GPRS1900	512	NV	40	-1.52	-0.000822	±2.5	PASS
GPRS1900	512	NV	50	-7.23	-0.003908	±2.5	PASS
GPRS1900	661	NV	-30	-4.04	-0.002149	±2.5	PASS
GPRS1900	661	NV	-20	-2.81	-0.001495	±2.5	PASS
GPRS1900	661	NV	-10	-6.26	-0.003330	±2.5	PASS
GPRS1900	661	NV	0	-10.65	-0.005665	±2.5	PASS
GPRS1900	661	NV	10	-5.04	-0.002681	±2.5	PASS
GPRS1900	661	NV	20	-8.23	-0.004378	±2.5	PASS
GPRS1900	661	NV	30	-2.84	-0.001511	±2.5	PASS
GPRS1900	661	NV	40	-4.78	-0.002543	±2.5	PASS
GPRS1900	661	NV	50	-11.01	-0.005856	±2.5	PASS
GPRS1900	810	NV	-30	-9.75	-0.005105	±2.5	PASS
GPRS1900	810	NV	-20	5.36	0.002807	±2.5	PASS
GPRS1900	810	NV	-10	0.97	0.000508	±2.5	PASS
GPRS1900	810	NV	0	-3.58	-0.001875	±2.5	PASS
GPRS1900	810	NV	10	0.26	0.000136	±2.5	PASS
GPRS1900	810	NV	20	-0.48	-0.000251	±2.5	PASS
GPRS1900	810	NV	30	6.94	0.003634	±2.5	PASS
GPRS1900	810	NV	40	5.55	0.002906	±2.5	PASS
GPRS1900	810	NV	50	7.30	0.003822	±2.5	PASS
EGPRS1900	512	NV	-30	3.10	0.001675	±2.5	PASS
EGPRS1900	512	NV	-20	-10.33	-0.005583	±2.5	PASS
EGPRS1900	512	NV	-10	-2.94	-0.001589	±2.5	PASS
EGPRS1900	512	NV	0	-8.07	-0.004362	±2.5	PASS
EGPRS1900	512	NV	10	-10.07	-0.005443	±2.5	PASS
EGPRS1900	512	NV	20	-4.29	-0.002319	±2.5	PASS
EGPRS1900	512	NV	30	-6.65	-0.003594	±2.5	PASS
EGPRS1900	512	NV	40	-10.72	-0.005794	±2.5	PASS
EGPRS1900	512	NV	50	-7.97	-0.004308	±2.5	PASS
EGPRS1900	661	NV	-30	12.72	0.006766	±2.5	PASS

EGPRS1900	661	NV	-20	-7.10	-0.003777	±2.5	PASS
EGPRS1900	661	NV	-10	-9.72	-0.005170	±2.5	PASS
EGPRS1900	661	NV	0	-0.90	-0.000479	±2.5	PASS
EGPRS1900	661	NV	10	-5.59	-0.002973	±2.5	PASS
EGPRS1900	661	NV	20	-9.59	-0.005101	±2.5	PASS
EGPRS1900	661	NV	30	-8.20	-0.004362	±2.5	PASS
EGPRS1900	661	NV	40	-4.84	-0.002574	±2.5	PASS
EGPRS1900	661	NV	50	-7.10	-0.003777	±2.5	PASS
EGPRS1900	810	NV	-30	9.40	0.004922	±2.5	PASS
EGPRS1900	810	NV	-20	8.91	0.004665	±2.5	PASS
EGPRS1900	810	NV	-10	13.46	0.007048	±2.5	PASS
EGPRS1900	810	NV	0	15.72	0.008231	±2.5	PASS
EGPRS1900	810	NV	10	6.23	0.003262	±2.5	PASS
EGPRS1900	810	NV	20	-1.16	-0.000607	±2.5	PASS
EGPRS1900	810	NV	30	10.43	0.005461	±2.5	PASS
EGPRS1900	810	NV	40	12.59	0.006592	±2.5	PASS
EGPRS1900	810	NV	50	5.07	0.002655	±2.5	PASS

Appendix G: ERP and EIRP

Test Result

FCC

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	ERP		Limit (W)	Verdict
				(dBm)	(W)		
GSM850	GSM	31.25	-1.70	27.40	0.5495	7	PASS
	GPRS	31.66	-1.70	27.81	0.6039	7	PASS
	EGPRS	25.32	-1.70	21.47	0.1403	7	PASS

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
				(dBm)	(W)		
GSM1900	GSM	29.01	2.00	31.01	1.2618	2	PASS
	GPRS	29.08	2.00	31.08	1.2823	2	PASS
	EGPRS	24.97	2.00	26.97	0.4977	2	PASS

--- End of Report ---