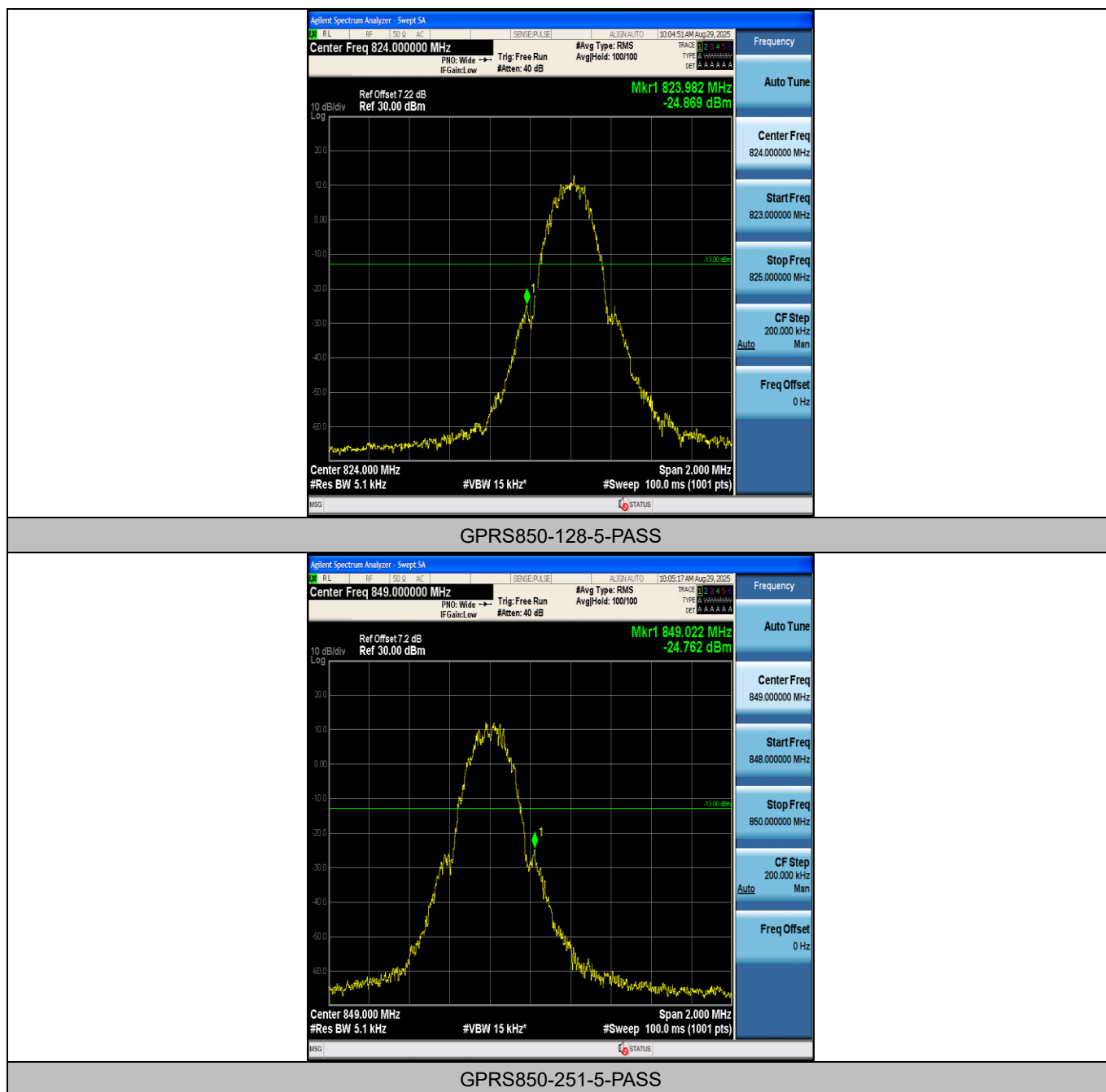
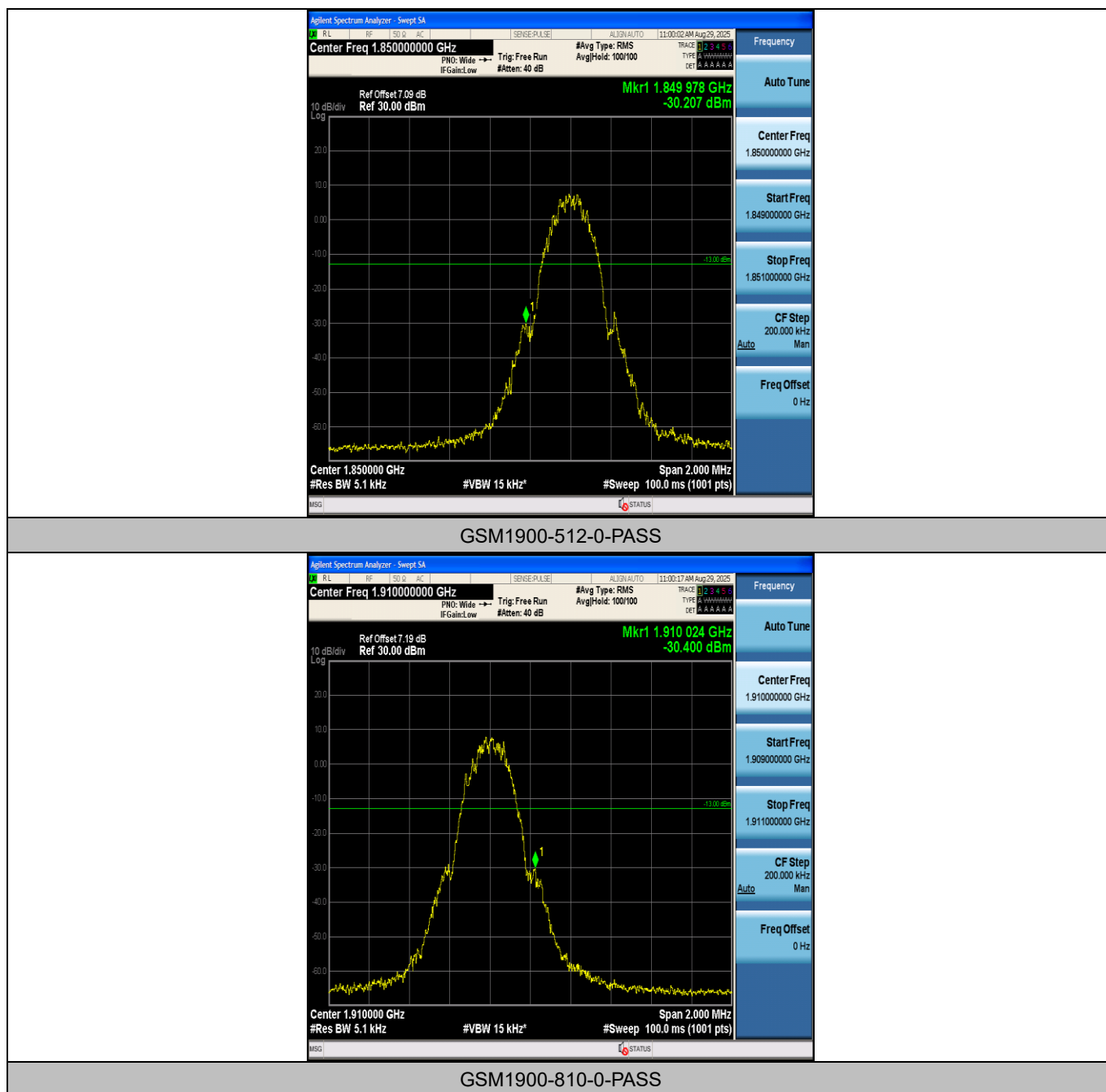
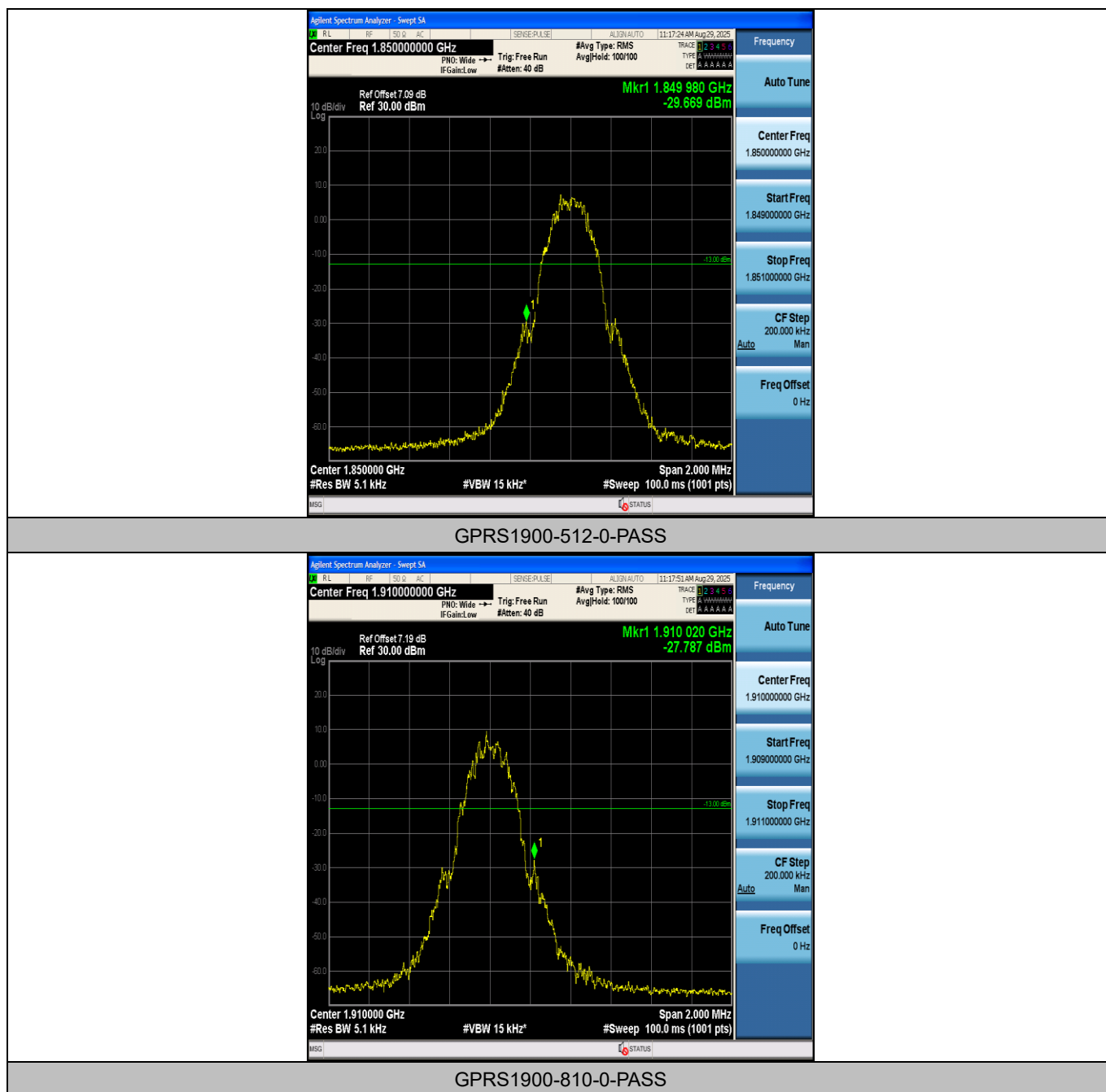






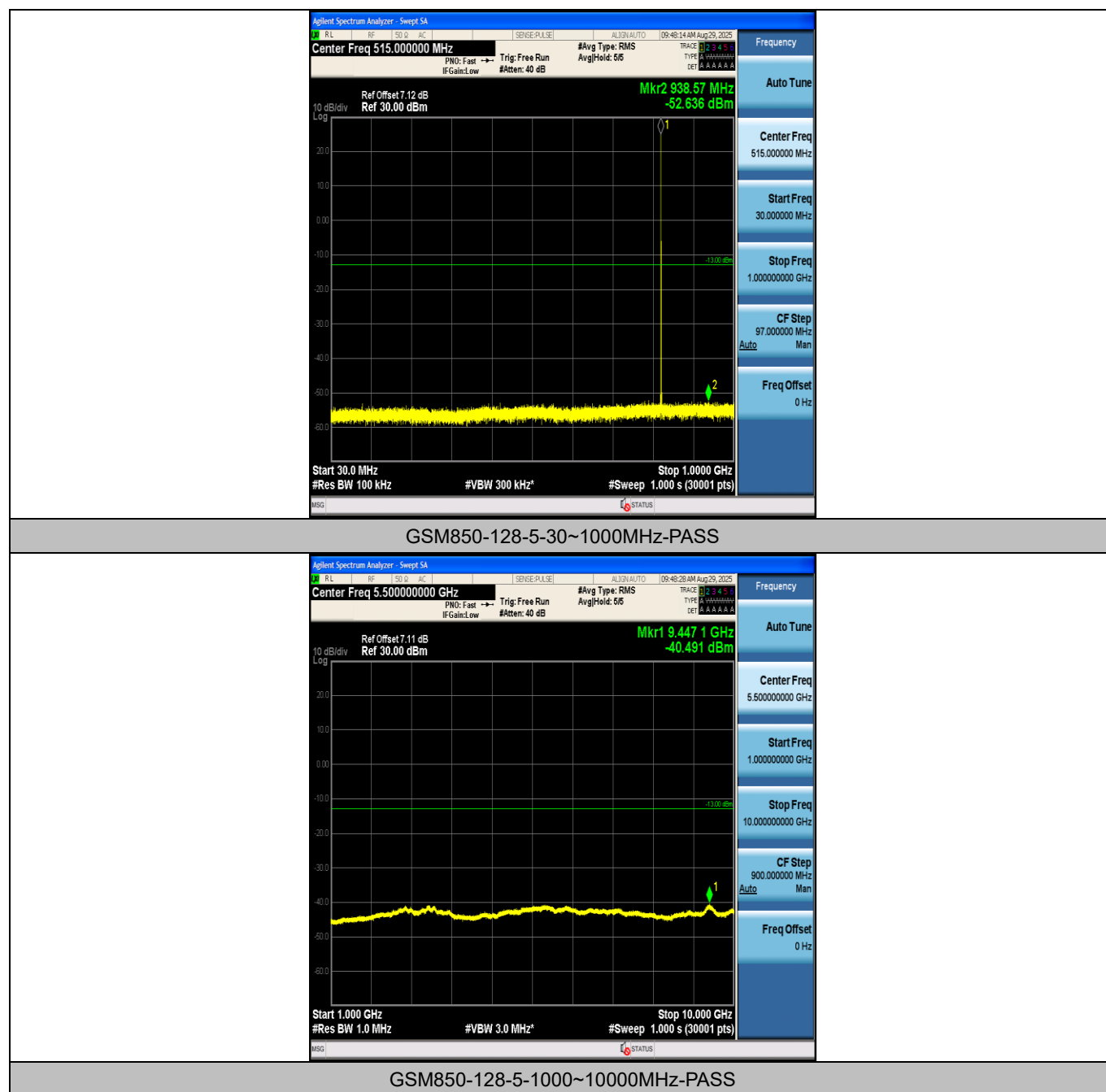


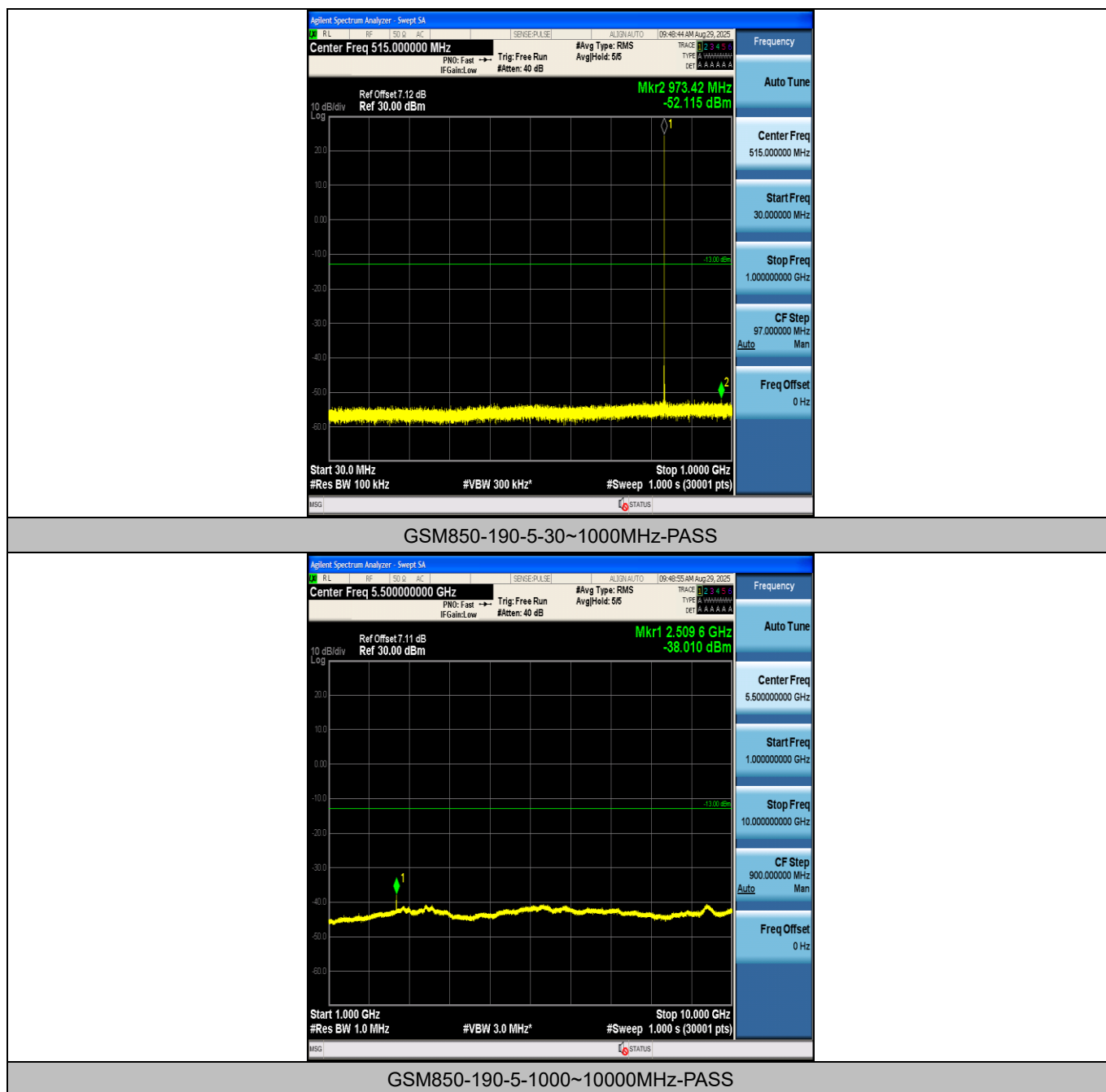
Appendix E: Conducted Spurious Emission

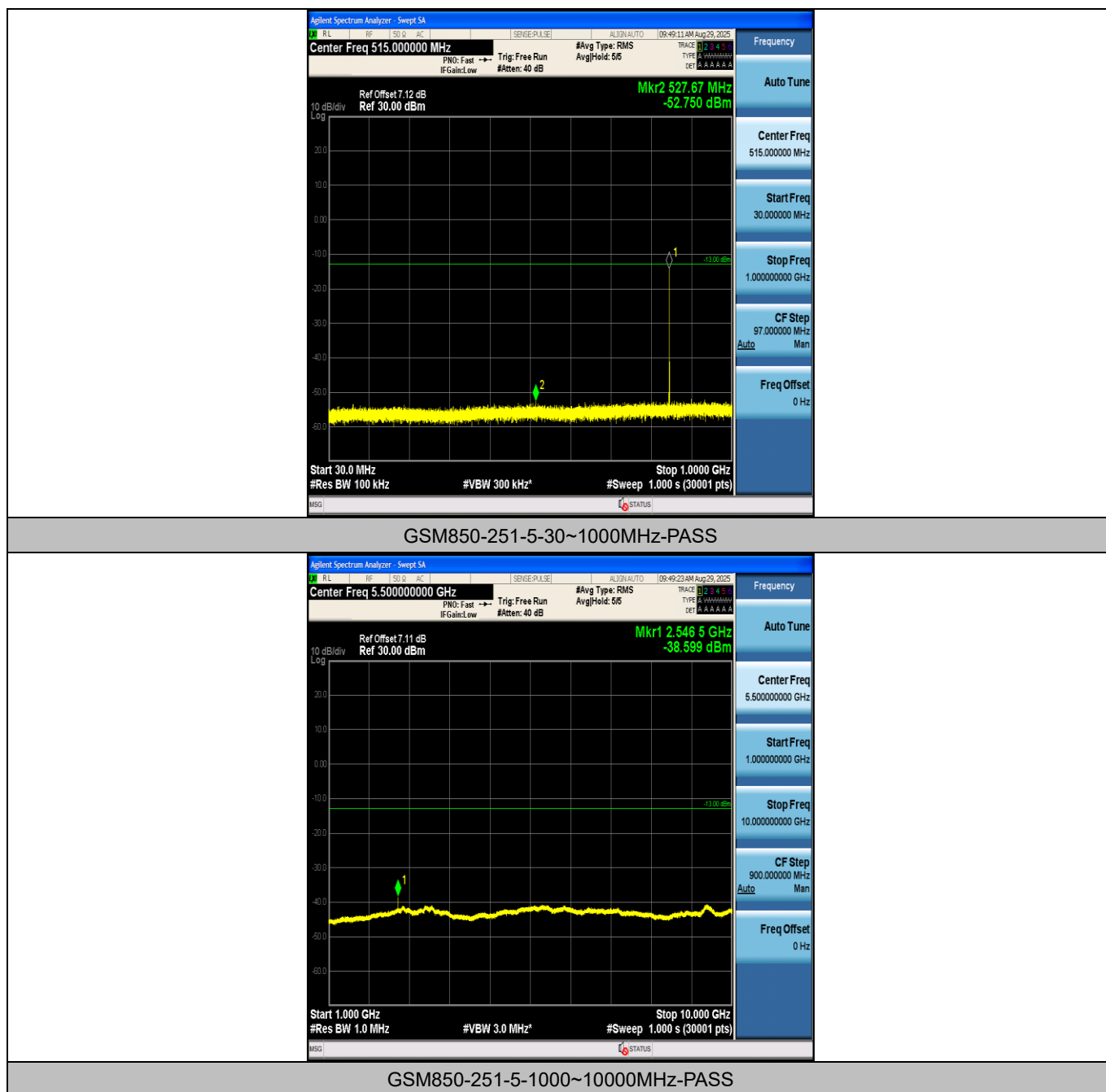
Test Result

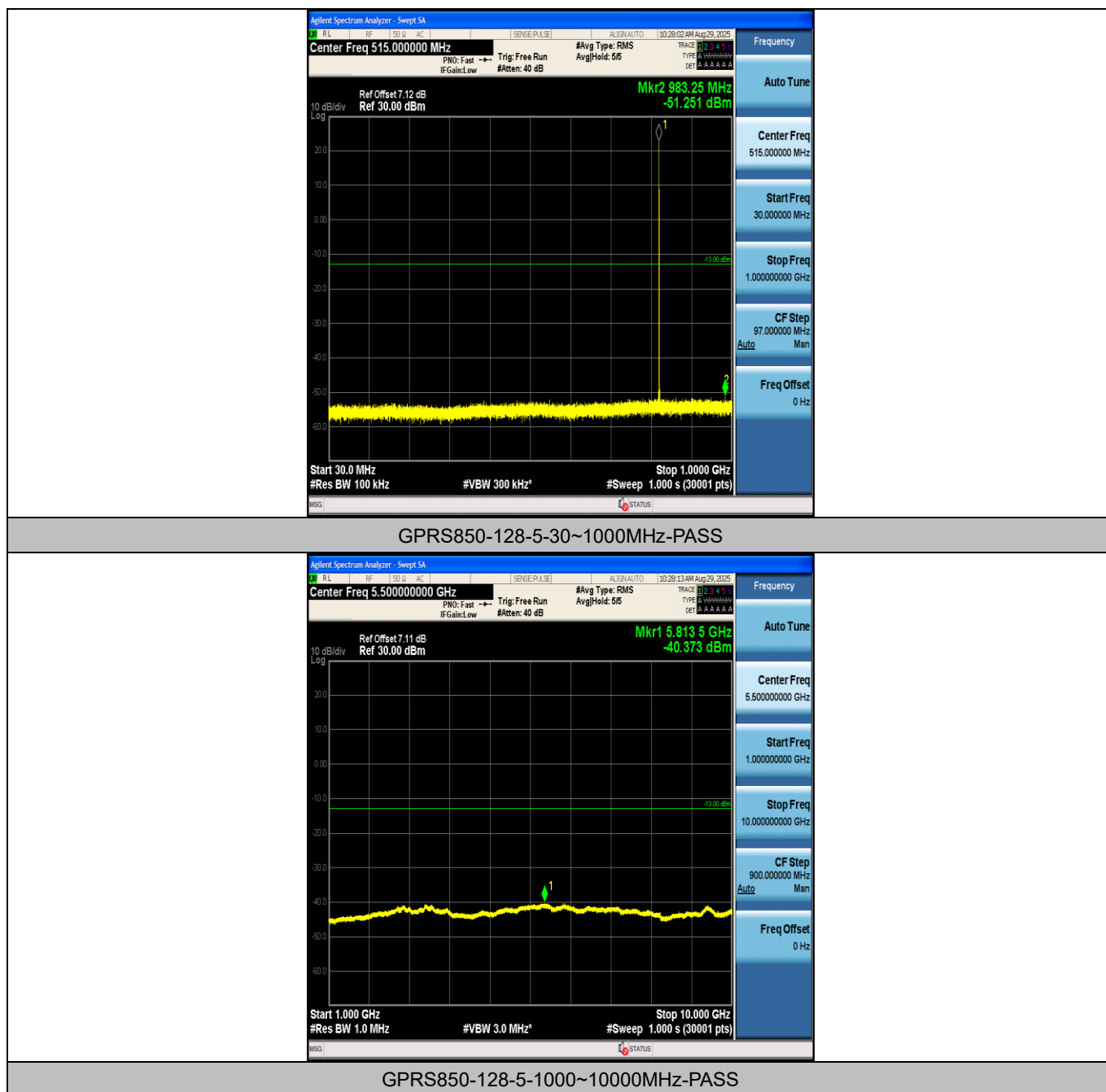
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	30~1000MHz	938.57	-52.64	-13	PASS
GSM850	128	1000~10000MHz	9447.1	-40.49	-13	PASS
GSM850	190	30~1000MHz	973.42	-52.12	-13	PASS
GSM850	190	1000~10000MHz	2509.6	-38.01	-13	PASS
GSM850	251	30~1000MHz	527.67	-52.75	-13	PASS
GSM850	251	1000~10000MHz	2546.5	-38.60	-13	PASS
GPRS850	128	30~1000MHz	983.25	-51.25	-13	PASS
GPRS850	128	1000~10000MHz	5813.5	-40.37	-13	PASS
GPRS850	190	30~1000MHz	951.69	-51.50	-13	PASS
GPRS850	190	1000~10000MHz	2509.9	-35.45	-13	PASS
GPRS850	251	30~1000MHz	978.11	-51.89	-13	PASS
GPRS850	251	1000~10000MHz	5852.2	-40.35	-13	PASS
GSM1900	512	30~1000MHz	895.85	-43.34	-13	PASS
GSM1900	512	1000~20000MHz	18909.4	-33.59	-13	PASS
GSM1900	661	30~1000MHz	915.35	-43.28	-13	PASS
GSM1900	661	1000~20000MHz	18956.27	-33.36	-13	PASS
GSM1900	810	30~1000MHz	969.9	-43.28	-13	PASS
GSM1900	810	1000~20000MHz	16486.27	-33.72	-13	PASS
GPRS1900	512	30~1000MHz	911.41	-43.40	-13	PASS
GPRS1900	512	1000~20000MHz	18930.93	-33.67	-13	PASS
GPRS1900	661	30~1000MHz	897.67	-43.32	-13	PASS
GPRS1900	661	1000~20000MHz	16469.8	-33.70	-13	PASS
GPRS1900	810	30~1000MHz	931.49	-43.24	-13	PASS
GPRS1900	810	1000~20000MHz	18920.8	-33.57	-13	PASS

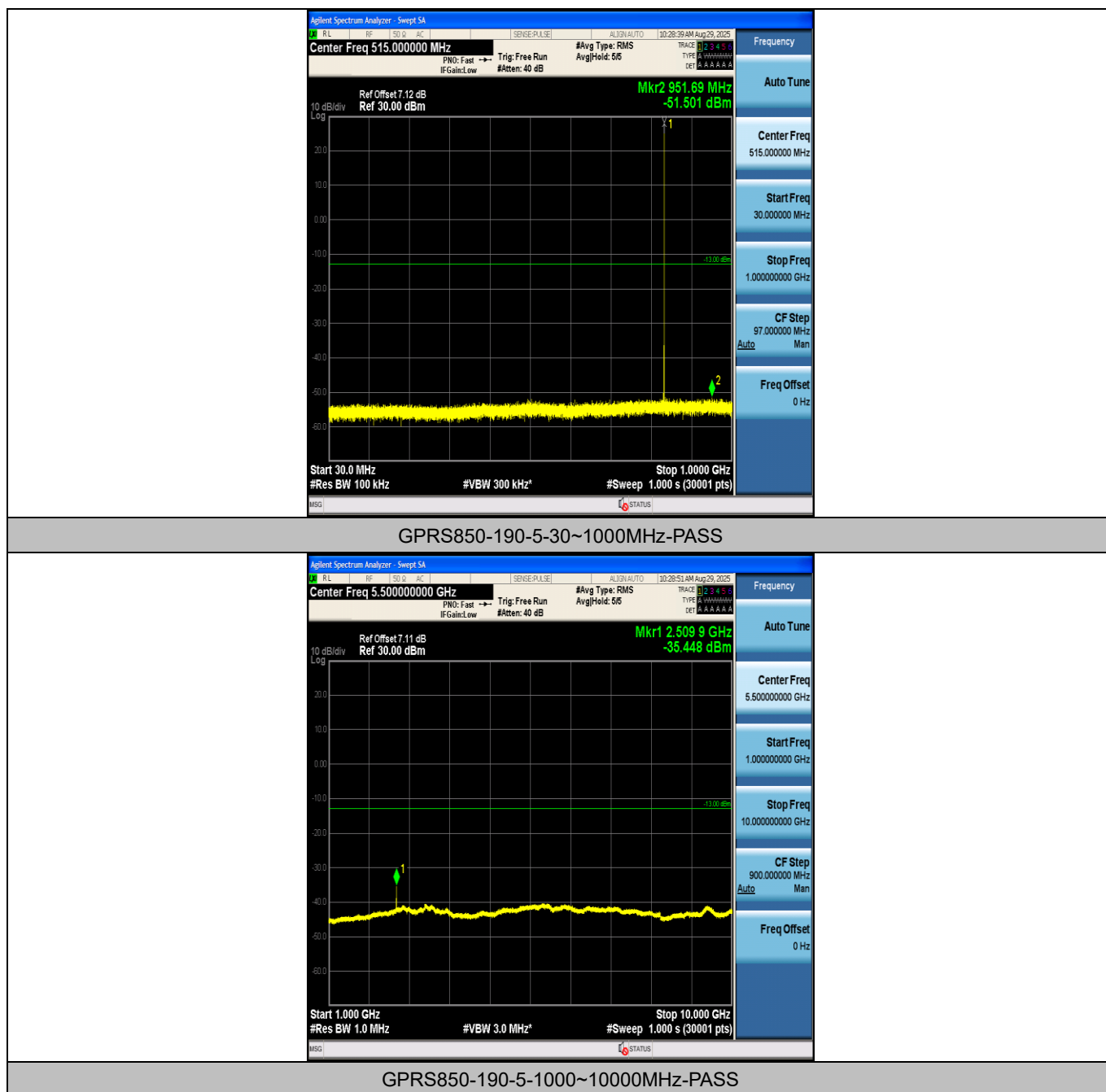
Test Graphs

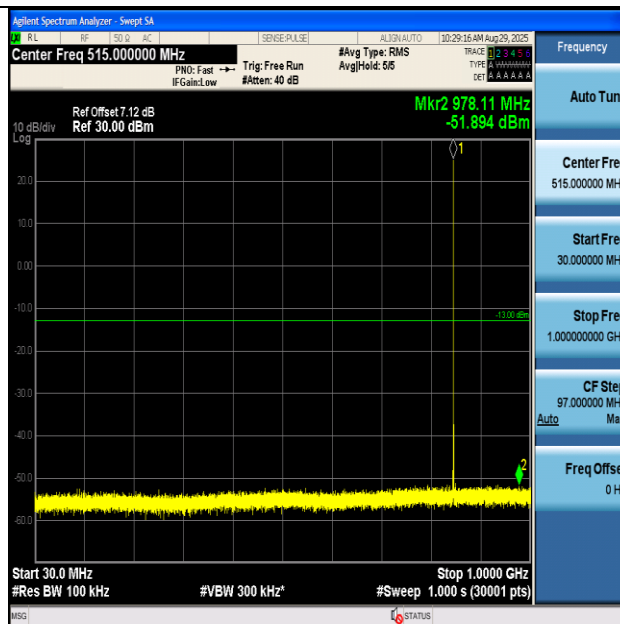




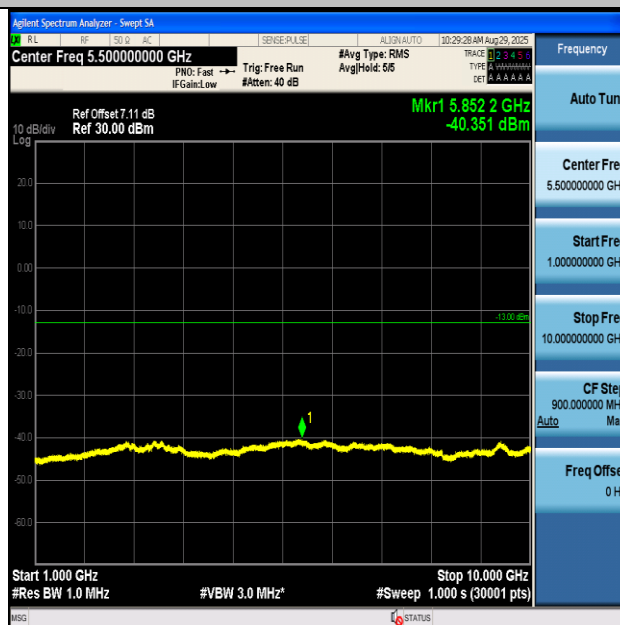




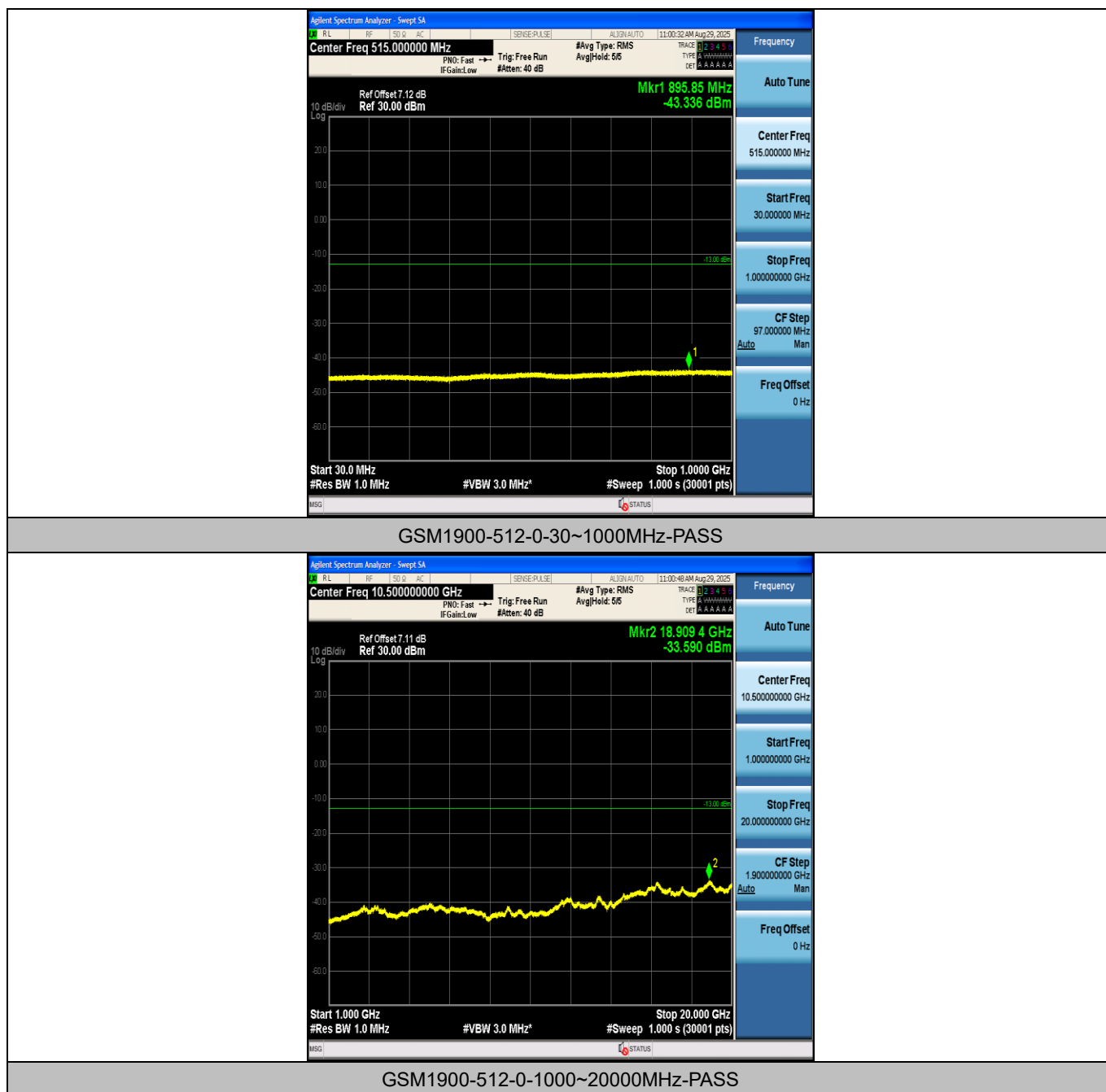


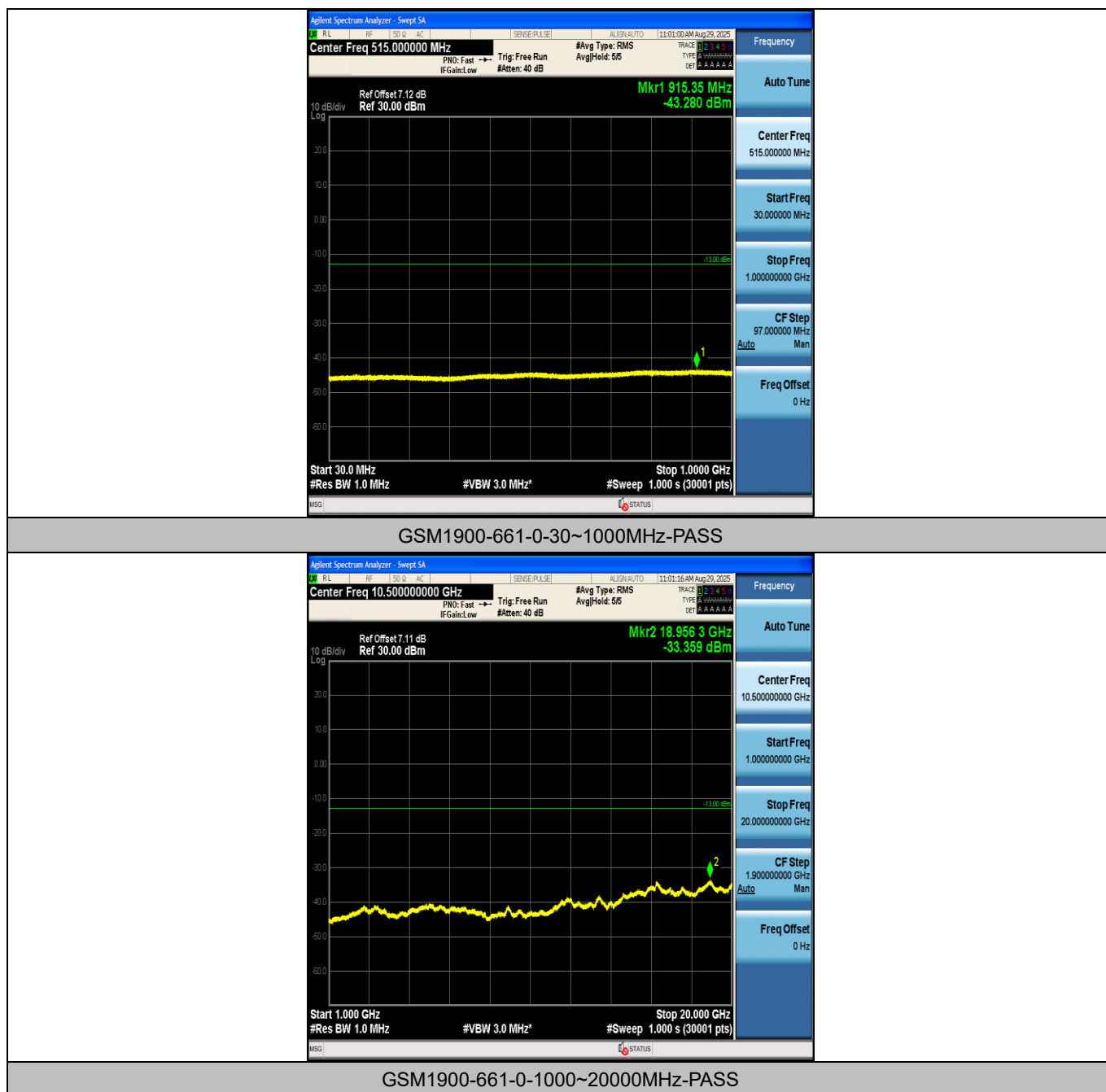


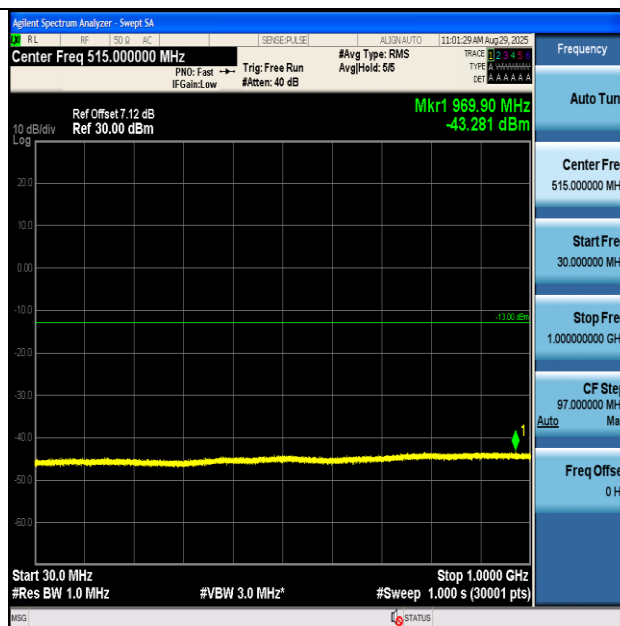
GPRS850-251-5-30~1000MHz-PASS



GPRS850-251-5-1000~10000MHz-PASS



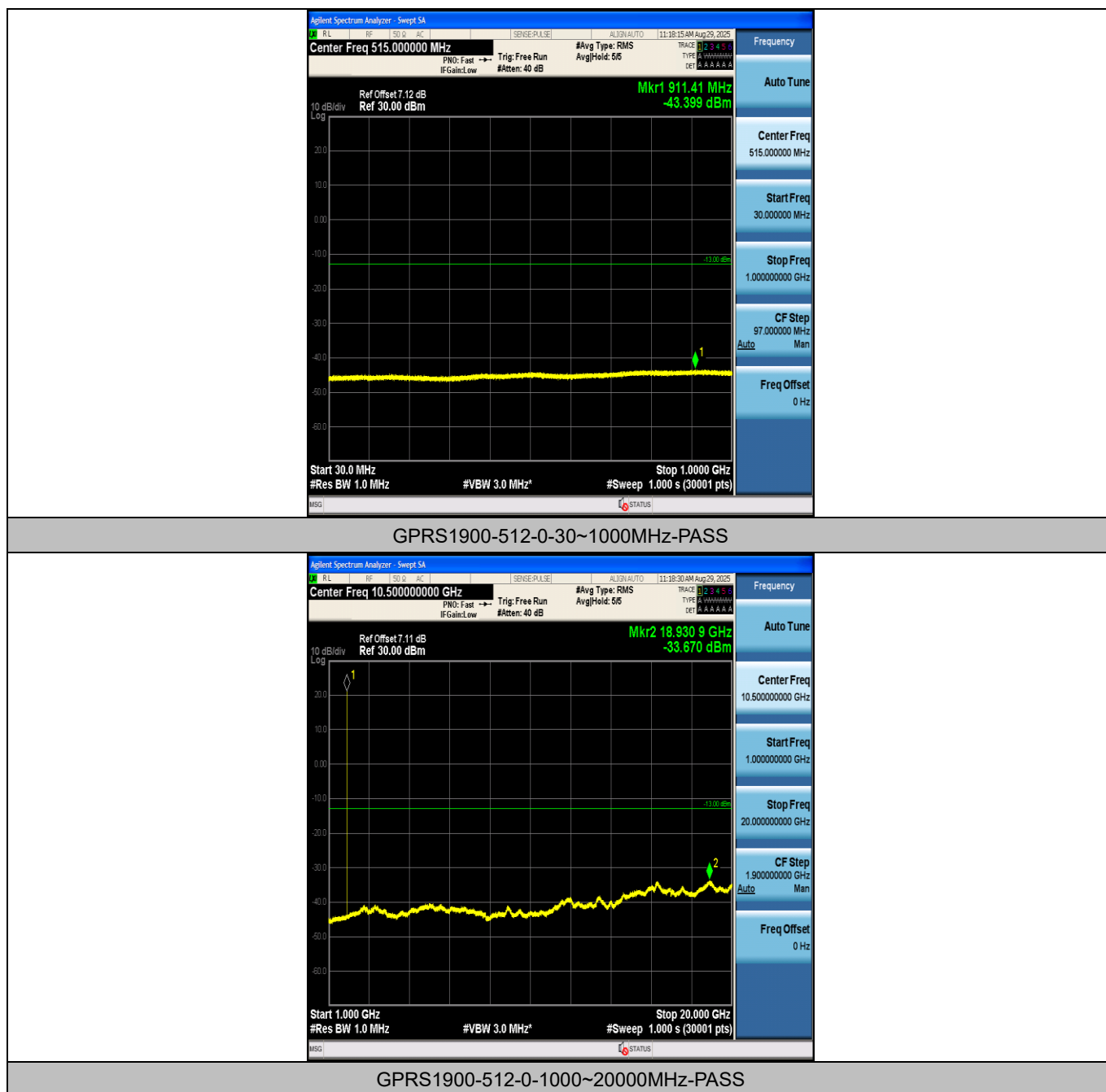


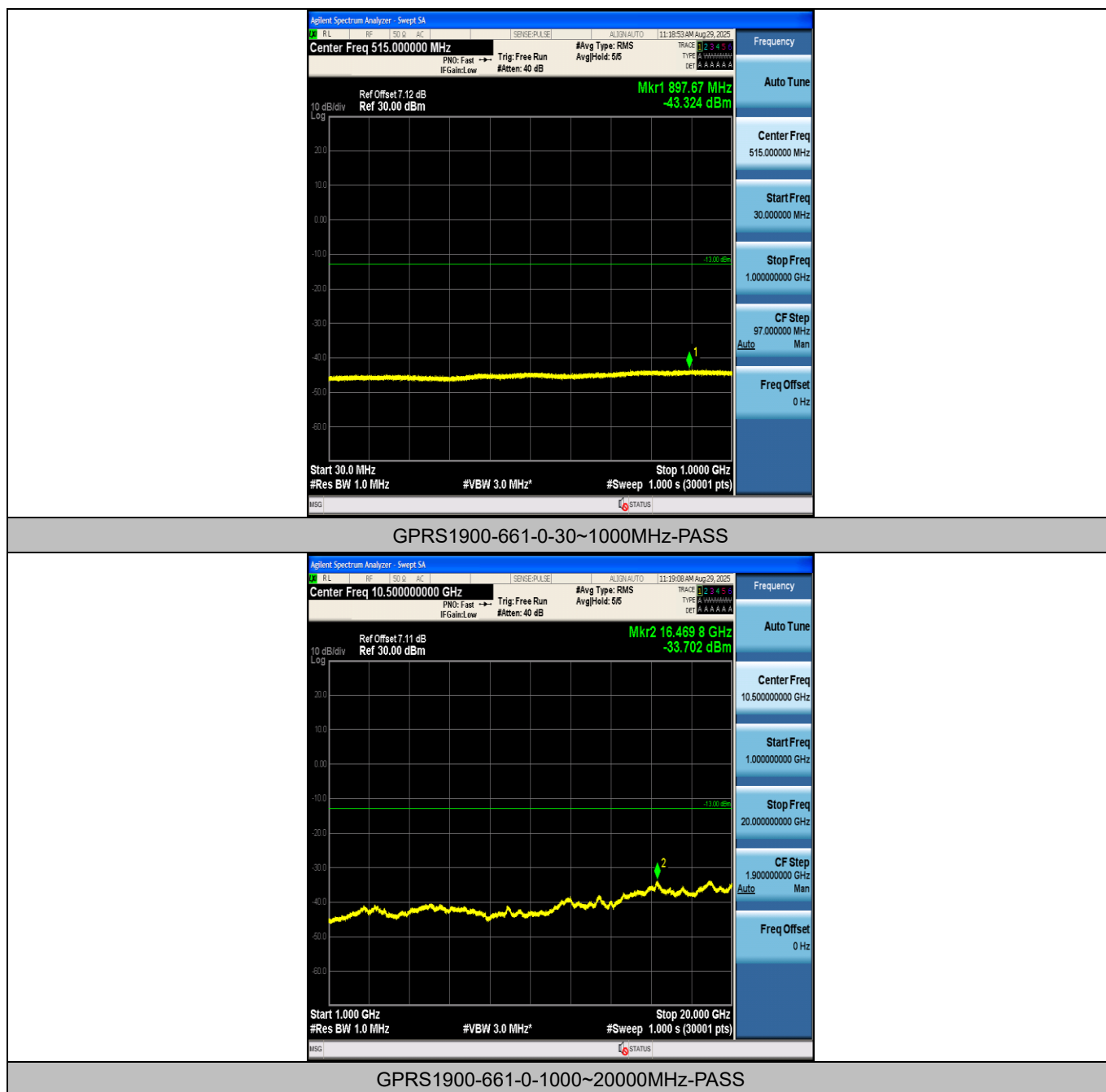


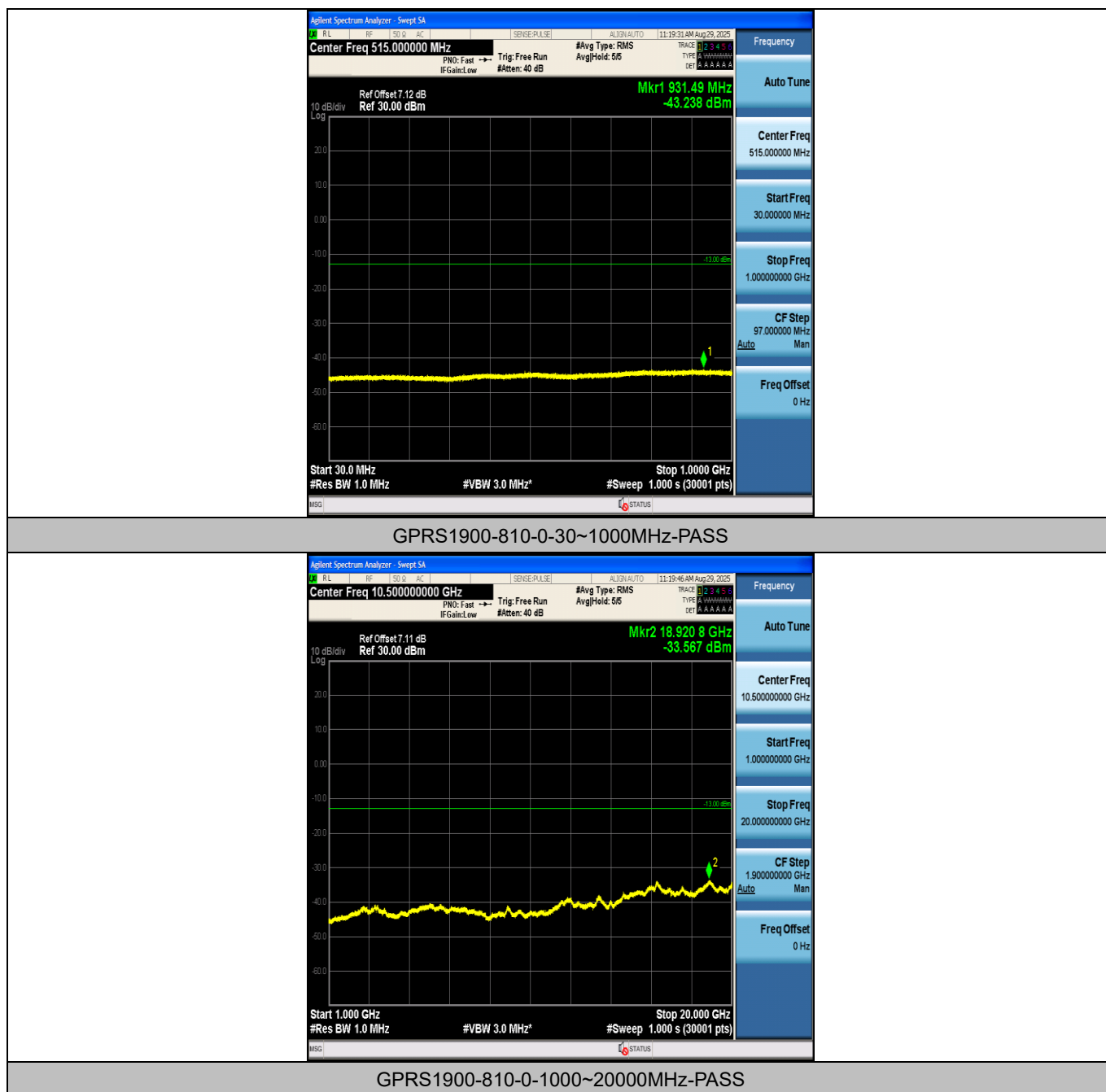
GSM1900-810-0-30~1000MHz-PASS



GSM1900-810-0-1000~20000MHz-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	-5.26	-0.006382	±2.5	PASS
GSM850	128	VL	NT	11.36	0.013783	±2.5	PASS
GSM850	128	VH	NT	-5.94	-0.007207	±2.5	PASS
GSM850	190	VN	NT	-4.55	-0.005439	±2.5	PASS
GSM850	190	VL	NT	-3.71	-0.004435	±2.5	PASS
GSM850	190	VH	NT	-5.97	-0.007136	±2.5	PASS
GSM850	251	VN	NT	-4.49	-0.005290	±2.5	PASS
GSM850	251	VL	NT	-5.68	-0.006692	±2.5	PASS
GSM850	251	VH	NT	0.10	0.000118	±2.5	PASS
GPRS850	128	VN	NT	-0.48	-0.000582	±2.5	PASS
GPRS850	128	VL	NT	0.00	0.000000	±2.5	PASS
GPRS850	128	VH	NT	-4.58	-0.005557	±2.5	PASS
GPRS850	190	VN	NT	-4.23	-0.005056	±2.5	PASS
GPRS850	190	VL	NT	-6.78	-0.008104	±2.5	PASS
GPRS850	190	VH	NT	-3.68	-0.004399	±2.5	PASS
GPRS850	251	VN	NT	-5.46	-0.006433	±2.5	PASS
GPRS850	251	VL	NT	-1.84	-0.002168	±2.5	PASS
GPRS850	251	VH	NT	-0.03	-0.000035	±2.5	PASS
GSM1900	512	VN	NT	-8.75	-0.004729	±2.5	PASS
GSM1900	512	VL	NT	5.39	0.002913	±2.5	PASS
GSM1900	512	VH	NT	-7.68	-0.004151	±2.5	PASS
GSM1900	661	VN	NT	-13.92	-0.007404	±2.5	PASS
GSM1900	661	VL	NT	-8.59	-0.004569	±2.5	PASS
GSM1900	661	VH	NT	-8.65	-0.004601	±2.5	PASS
GSM1900	810	VN	NT	0.90	0.000471	±2.5	PASS
GSM1900	810	VL	NT	-14.27	-0.007472	±2.5	PASS
GSM1900	810	VH	NT	11.40	0.005969	±2.5	PASS
GPRS1900	512	VN	NT	-5.23	-0.002827	±2.5	PASS
GPRS1900	512	VL	NT	-13.92	-0.007524	±2.5	PASS
GPRS1900	512	VH	NT	4.52	0.002443	±2.5	PASS
GPRS1900	661	VN	NT	2.07	0.001101	±2.5	PASS
GPRS1900	661	VL	NT	-7.14	-0.003798	±2.5	PASS
GPRS1900	661	VH	NT	-18.40	-0.009787	±2.5	PASS
GPRS1900	810	VN	NT	-2.87	-0.001503	±2.5	PASS
GPRS1900	810	VL	NT	-19.15	-0.010027	±2.5	PASS
GPRS1900	810	VH	NT	4.26	0.002231	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-3.45	-0.004186	±2.5	PASS
GSM850	128	NV	-20	-11.49	-0.013941	±2.5	PASS
GSM850	128	NV	-10	-2.58	-0.003130	±2.5	PASS
GSM850	128	NV	0	-7.04	-0.008542	±2.5	PASS
GSM850	128	NV	10	12.40	0.015045	±2.5	PASS
GSM850	128	NV	20	-0.65	-0.000789	±2.5	PASS
GSM850	128	NV	30	15.30	0.018563	±2.5	PASS
GSM850	128	NV	40	-5.88	-0.007134	±2.5	PASS
GSM850	128	NV	50	-3.20	-0.003883	±2.5	PASS
GSM850	190	NV	-30	-2.03	-0.002426	±2.5	PASS
GSM850	190	NV	-20	-2.39	-0.002857	±2.5	PASS
GSM850	190	NV	-10	-13.24	-0.015826	±2.5	PASS
GSM850	190	NV	0	-3.23	-0.003861	±2.5	PASS
GSM850	190	NV	10	13.50	0.016137	±2.5	PASS
GSM850	190	NV	20	12.43	0.014858	±2.5	PASS
GSM850	190	NV	30	-2.74	-0.003275	±2.5	PASS
GSM850	190	NV	40	10.33	0.012348	±2.5	PASS
GSM850	190	NV	50	6.17	0.007375	±2.5	PASS
GSM850	251	NV	-30	-2.78	-0.003275	±2.5	PASS
GSM850	251	NV	-20	5.36	0.006315	±2.5	PASS
GSM850	251	NV	-10	21.86	0.025754	±2.5	PASS
GSM850	251	NV	0	15.66	0.018450	±2.5	PASS
GSM850	251	NV	10	14.75	0.017377	±2.5	PASS
GSM850	251	NV	20	10.82	0.012747	±2.5	PASS
GSM850	251	NV	30	10.59	0.012476	±2.5	PASS
GSM850	251	NV	40	9.30	0.010957	±2.5	PASS
GSM850	251	NV	50	-7.91	-0.009319	±2.5	PASS
GPRS850	128	NV	-30	-1.39	-0.001686	±2.5	PASS
GPRS850	128	NV	-20	-3.97	-0.004817	±2.5	PASS
GPRS850	128	NV	-10	-7.55	-0.009160	±2.5	PASS
GPRS850	128	NV	0	-10.36	-0.012570	±2.5	PASS
GPRS850	128	NV	10	-7.14	-0.008663	±2.5	PASS
GPRS850	128	NV	20	-3.13	-0.003798	±2.5	PASS
GPRS850	128	NV	30	-6.13	-0.007438	±2.5	PASS
GPRS850	128	NV	40	-8.46	-0.010264	±2.5	PASS
GPRS850	128	NV	50	-5.97	-0.007243	±2.5	PASS
GPRS850	190	NV	-30	-7.78	-0.009300	±2.5	PASS
GPRS850	190	NV	-20	-5.68	-0.006789	±2.5	PASS
GPRS850	190	NV	-10	-7.17	-0.008570	±2.5	PASS

GPRS850	190	NV	0	-3.16	-0.003777	±2.5	PASS
GPRS850	190	NV	10	0.39	0.000466	±2.5	PASS
GPRS850	190	NV	20	-5.20	-0.006216	±2.5	PASS
GPRS850	190	NV	30	-6.65	-0.007949	±2.5	PASS
GPRS850	190	NV	40	-0.32	-0.000383	±2.5	PASS
GPRS850	190	NV	50	-2.84	-0.003395	±2.5	PASS
GPRS850	251	NV	-30	-4.04	-0.004760	±2.5	PASS
GPRS850	251	NV	-20	-6.55	-0.007717	±2.5	PASS
GPRS850	251	NV	-10	-3.26	-0.003841	±2.5	PASS
GPRS850	251	NV	0	-2.26	-0.002663	±2.5	PASS
GPRS850	251	NV	10	-5.75	-0.006774	±2.5	PASS
GPRS850	251	NV	20	-0.74	-0.000872	±2.5	PASS
GPRS850	251	NV	30	0.16	0.000189	±2.5	PASS
GPRS850	251	NV	40	-0.45	-0.000530	±2.5	PASS
GPRS850	251	NV	50	-3.84	-0.004524	±2.5	PASS
GSM1900	512	NV	-30	24.96	0.013490	±2.5	PASS
GSM1900	512	NV	-20	-12.91	-0.006978	±2.5	PASS
GSM1900	512	NV	-10	-9.17	-0.004956	±2.5	PASS
GSM1900	512	NV	0	-24.18	-0.013069	±2.5	PASS
GSM1900	512	NV	10	22.28	0.012042	±2.5	PASS
GSM1900	512	NV	20	-7.94	-0.004291	±2.5	PASS
GSM1900	512	NV	30	-5.59	-0.003021	±2.5	PASS
GSM1900	512	NV	40	16.21	0.008761	±2.5	PASS
GSM1900	512	NV	50	9.78	0.005286	±2.5	PASS
GSM1900	661	NV	-30	12.14	0.006457	±2.5	PASS
GSM1900	661	NV	-20	-20.76	-0.011043	±2.5	PASS
GSM1900	661	NV	-10	2.16	0.001149	±2.5	PASS
GSM1900	661	NV	0	6.72	0.003574	±2.5	PASS
GSM1900	661	NV	10	-9.10	-0.004840	±2.5	PASS
GSM1900	661	NV	20	-10.36	-0.005511	±2.5	PASS
GSM1900	661	NV	30	-4.13	-0.002197	±2.5	PASS
GSM1900	661	NV	40	-13.04	-0.006936	±2.5	PASS
GSM1900	661	NV	50	9.75	0.005186	±2.5	PASS
GSM1900	810	NV	-30	-3.07	-0.001607	±2.5	PASS
GSM1900	810	NV	-20	-3.36	-0.001759	±2.5	PASS
GSM1900	810	NV	-10	-6.55	-0.003430	±2.5	PASS
GSM1900	810	NV	0	10.01	0.005241	±2.5	PASS
GSM1900	810	NV	10	16.85	0.008823	±2.5	PASS
GSM1900	810	NV	20	-5.29	-0.002770	±2.5	PASS
GSM1900	810	NV	30	-6.88	-0.003602	±2.5	PASS
GSM1900	810	NV	40	-6.75	-0.003534	±2.5	PASS
GSM1900	810	NV	50	-2.42	-0.001267	±2.5	PASS

GPRS1900	512	NV	-30	2.10	0.001135	±2.5	PASS
GPRS1900	512	NV	-20	0.03	0.000016	±2.5	PASS
GPRS1900	512	NV	-10	-3.00	-0.001621	±2.5	PASS
GPRS1900	512	NV	0	-3.78	-0.002043	±2.5	PASS
GPRS1900	512	NV	10	-4.55	-0.002459	±2.5	PASS
GPRS1900	512	NV	20	-4.33	-0.002340	±2.5	PASS
GPRS1900	512	NV	30	-6.33	-0.003421	±2.5	PASS
GPRS1900	512	NV	40	-3.16	-0.001708	±2.5	PASS
GPRS1900	512	NV	50	-4.04	-0.002184	±2.5	PASS
GPRS1900	661	NV	-30	0.29	0.000154	±2.5	PASS
GPRS1900	661	NV	-20	-1.42	-0.000755	±2.5	PASS
GPRS1900	661	NV	-10	-5.55	-0.002952	±2.5	PASS
GPRS1900	661	NV	0	-12.53	-0.006665	±2.5	PASS
GPRS1900	661	NV	10	-8.98	-0.004777	±2.5	PASS
GPRS1900	661	NV	20	-6.97	-0.003707	±2.5	PASS
GPRS1900	661	NV	30	-14.33	-0.007622	±2.5	PASS
GPRS1900	661	NV	40	-14.69	-0.007814	±2.5	PASS
GPRS1900	661	NV	50	-12.49	-0.006644	±2.5	PASS
GPRS1900	810	NV	-30	-16.85	-0.008823	±2.5	PASS
GPRS1900	810	NV	-20	-0.06	-0.000031	±2.5	PASS
GPRS1900	810	NV	-10	-3.94	-0.002063	±2.5	PASS
GPRS1900	810	NV	0	-11.62	-0.006084	±2.5	PASS
GPRS1900	810	NV	10	-3.55	-0.001859	±2.5	PASS
GPRS1900	810	NV	20	-13.62	-0.007132	±2.5	PASS
GPRS1900	810	NV	30	6.20	0.003246	±2.5	PASS
GPRS1900	810	NV	40	4.39	0.002299	±2.5	PASS
GPRS1900	810	NV	50	-0.19	-0.000099	±2.5	PASS

Appendix G: ERP and EIRP

Test Result

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	ERP		Limit (W)	Verdict
				(dBm)	(W)		
GSM850	GSM	33.02	-1.70	29.17	0.8260	7	PASS
	GPRS	33.12	-1.70	29.27	0.8453	7	PASS

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
				(dBm)	(W)		
GSM1900	GSM	30.33	2.00	32.33	1.7100	2	PASS
	GPRS	30.17	2.00	32.17	1.6482	2	PASS

-----End of the Report -----