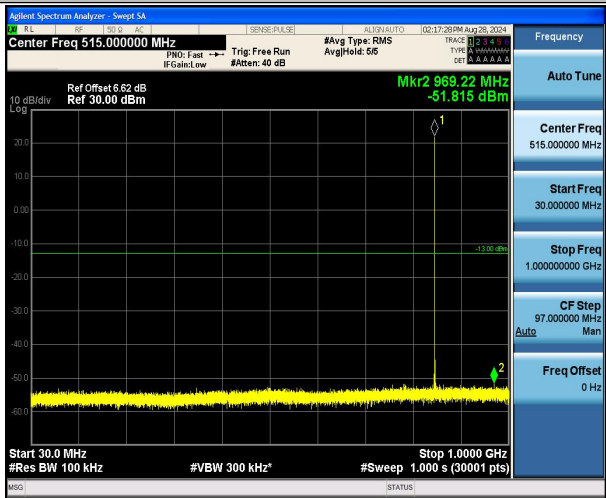




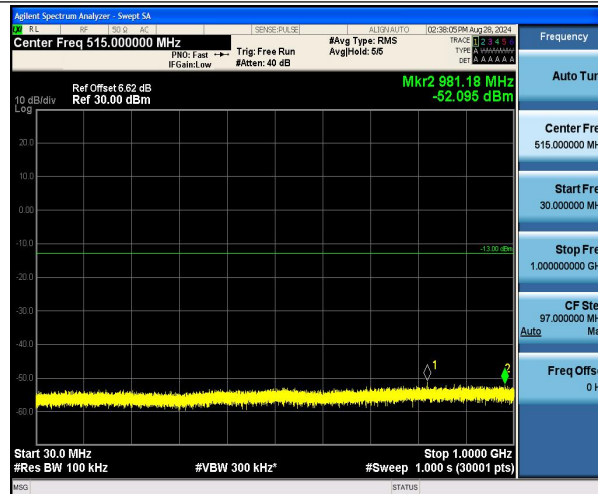
GPRS850-190-5-1000~10000MHz-PASS



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



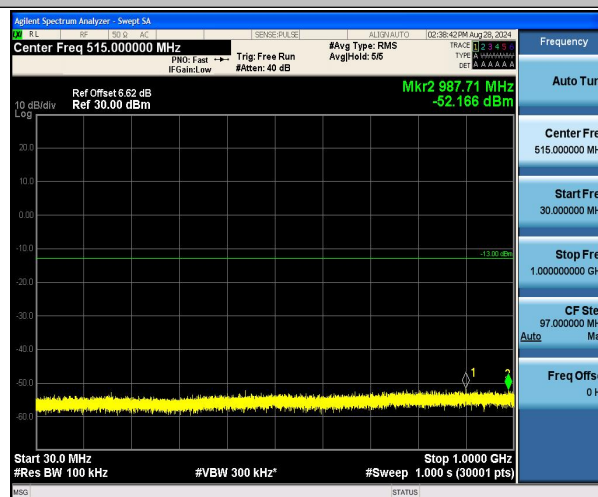
GPRS850-251-5-1000~10000MHz-PASS



EGPRS850-128-8-30~1000MHz-PASS



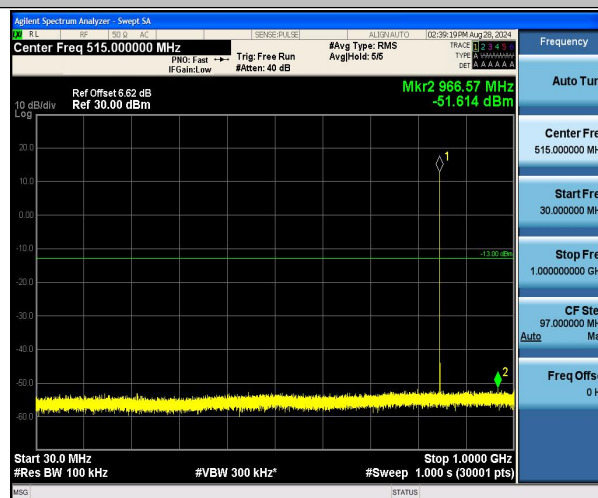
EGPRS850-128-8-1000~10000MHz-PASS



EGPRS850-190-8-30~1000MHz-PASS



EGPRS850-190-8-1000~10000MHz-PASS



EGPRS850-251-8-30~1000MHz-PASS



EGPRS850-251-8-1000~10000MHz-PASS



GSM1900-512-0-30~1000MHz-PASS



GSM1900-512-0-1000~20000MHz-PASS



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



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



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



GSM1900-810-0-1000~20000MHz-PASS



GPRS1900-512-0-30~1000MHz-PASS



GPRS1900-512-0-1000~20000MHz-PASS



GPRS1900-661-0-30~1000MHz-PASS



GPRS1900-661-0-1000~20000MHz-PASS



GPRS1900-810-0-30~1000MHz-PASS



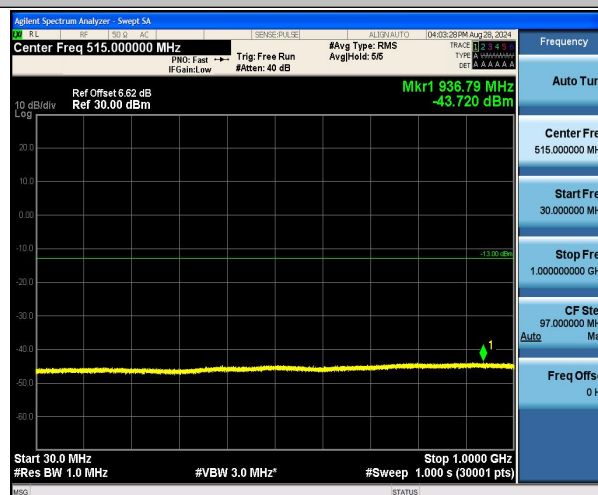
GPRS1900-810-0-1000~20000MHz-PASS



EGPRS1900-512-2-30~1000MHz-PASS



EGPRS1900-512-2-1000~20000MHz-PASS



EGPRS1900-661-2-30~1000MHz-PASS



EGPRS1900-661-2-1000~20000MHz-PASS



EGPRS1900-810-2-30~1000MHz-PASS



EGPRS1900-810-2-1000~20000MHz-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	4.10	0.004975	±2.5	PASS
GSM850	128	VL	NT	2.74	0.003324	±2.5	PASS
GSM850	128	VH	NT	1.23	0.001492	±2.5	PASS
GSM850	190	VN	NT	3.49	0.004172	±2.5	PASS
GSM850	190	VL	NT	3.39	0.004052	±2.5	PASS
GSM850	190	VH	NT	1.61	0.001924	±2.5	PASS
GSM850	251	VN	NT	-0.48	-0.000566	±2.5	PASS
GSM850	251	VL	NT	0.84	0.000990	±2.5	PASS
GSM850	251	VH	NT	0.68	0.000801	±2.5	PASS
GPRS850	128	VN	NT	-3.49	-0.004234	±2.5	PASS
GPRS850	128	VL	NT	-2.16	-0.002621	±2.5	PASS
GPRS850	128	VH	NT	-1.45	-0.001759	±2.5	PASS
GPRS850	190	VN	NT	-2.94	-0.003514	±2.5	PASS
GPRS850	190	VL	NT	1.36	0.001626	±2.5	PASS
GPRS850	190	VH	NT	-2.39	-0.002857	±2.5	PASS
GPRS850	251	VN	NT	-1.49	-0.001755	±2.5	PASS
GPRS850	251	VL	NT	-0.52	-0.000613	±2.5	PASS
GPRS850	251	VH	NT	-3.39	-0.003994	±2.5	PASS
EGPRS850	128	VN	NT	-0.06	-0.000073	±2.5	PASS
EGPRS850	128	VL	NT	0.16	0.000194	±2.5	PASS
EGPRS850	128	VH	NT	2.65	0.003215	±2.5	PASS
EGPRS850	190	VN	NT	0.87	0.001040	±2.5	PASS
EGPRS850	190	VL	NT	-0.39	-0.000466	±2.5	PASS
EGPRS850	190	VH	NT	0.03	0.000036	±2.5	PASS
EGPRS850	251	VN	NT	-1.97	-0.002321	±2.5	PASS
EGPRS850	251	VL	NT	-2.91	-0.003428	±2.5	PASS
EGPRS850	251	VH	NT	-6.36	-0.007493	±2.5	PASS
GSM1900	512	VN	NT	6.39	0.003454	±2.5	PASS
GSM1900	512	VL	NT	4.13	0.002232	±2.5	PASS
GSM1900	512	VH	NT	7.43	0.004016	±2.5	PASS
GSM1900	661	VN	NT	5.91	0.003144	±2.5	PASS
GSM1900	661	VL	NT	5.26	0.002798	±2.5	PASS
GSM1900	661	VH	NT	9.52	0.005064	±2.5	PASS
GSM1900	810	VN	NT	11.56	0.006053	±2.5	PASS
GSM1900	810	VL	NT	7.30	0.003822	±2.5	PASS

GSM1900	810	VH	NT	2.10	0.001100	±2.5	PASS
GPRS1900	512	VN	NT	5.84	0.003156	±2.5	PASS
GPRS1900	512	VL	NT	5.13	0.002773	±2.5	PASS
GPRS1900	512	VH	NT	7.55	0.004081	±2.5	PASS
GPRS1900	661	VN	NT	5.10	0.002713	±2.5	PASS
GPRS1900	661	VL	NT	2.91	0.001548	±2.5	PASS
GPRS1900	661	VH	NT	3.00	0.001596	±2.5	PASS
GPRS1900	810	VN	NT	6.49	0.003398	±2.5	PASS
GPRS1900	810	VL	NT	6.68	0.003498	±2.5	PASS
GPRS1900	810	VH	NT	6.30	0.003299	±2.5	PASS
EGPRS1900	512	VN	NT	13.17	0.007118	±2.5	PASS
EGPRS1900	512	VL	NT	10.33	0.005583	±2.5	PASS
EGPRS1900	512	VH	NT	16.30	0.008810	±2.5	PASS
EGPRS1900	661	VN	NT	17.85	0.009495	±2.5	PASS
EGPRS1900	661	VL	NT	8.68	0.004617	±2.5	PASS
EGPRS1900	661	VH	NT	8.88	0.004723	±2.5	PASS
EGPRS1900	810	VN	NT	10.20	0.005341	±2.5	PASS
EGPRS1900	810	VL	NT	5.91	0.003095	±2.5	PASS
EGPRS1900	810	VH	NT	9.75	0.005105	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	3.23	0.003919	±2.5	PASS
GSM850	128	NV	-20	0.16	0.000194	±2.5	PASS
GSM850	128	NV	-10	2.62	0.003179	±2.5	PASS
GSM850	128	NV	0	4.16	0.005047	±2.5	PASS
GSM850	128	NV	10	1.81	0.002196	±2.5	PASS
GSM850	128	NV	20	-2.13	-0.002584	±2.5	PASS
GSM850	128	NV	30	-8.46	-0.010264	±2.5	PASS
GSM850	128	NV	40	-5.62	-0.006819	±2.5	PASS
GSM850	128	NV	50	-8.49	-0.010301	±2.5	PASS
GSM850	190	NV	-30	0.90	0.001076	±2.5	PASS
GSM850	190	NV	-20	1.81	0.002164	±2.5	PASS
GSM850	190	NV	-10	3.20	0.003825	±2.5	PASS
GSM850	190	NV	0	2.87	0.003431	±2.5	PASS
GSM850	190	NV	10	2.78	0.003323	±2.5	PASS
GSM850	190	NV	20	2.20	0.002630	±2.5	PASS
GSM850	190	NV	30	1.13	0.001351	±2.5	PASS
GSM850	190	NV	40	-1.94	-0.002319	±2.5	PASS
GSM850	190	NV	50	-0.03	-0.000036	±2.5	PASS
GSM850	251	NV	-30	-0.45	-0.000530	±2.5	PASS

GSM850	251	NV	-20	-1.58	-0.001861	±2.5	PASS
GSM850	251	NV	-10	-1.78	-0.002097	±2.5	PASS
GSM850	251	NV	0	3.10	0.003652	±2.5	PASS
GSM850	251	NV	10	-1.00	-0.001178	±2.5	PASS
GSM850	251	NV	20	-0.03	-0.000035	±2.5	PASS
GSM850	251	NV	30	-7.01	-0.008259	±2.5	PASS
GSM850	251	NV	40	-7.59	-0.008942	±2.5	PASS
GSM850	251	NV	50	-4.00	-0.004713	±2.5	PASS
GPRS850	128	NV	-30	0.77	0.000934	±2.5	PASS
GPRS850	128	NV	-20	-5.42	-0.006576	±2.5	PASS
GPRS850	128	NV	-10	-1.71	-0.002075	±2.5	PASS
GPRS850	128	NV	0	-0.45	-0.000546	±2.5	PASS
GPRS850	128	NV	10	-4.84	-0.005872	±2.5	PASS
GPRS850	128	NV	20	-2.20	-0.002669	±2.5	PASS
GPRS850	128	NV	30	-1.19	-0.001444	±2.5	PASS
GPRS850	128	NV	40	-2.52	-0.003058	±2.5	PASS
GPRS850	128	NV	50	-2.32	-0.002815	±2.5	PASS
GPRS850	190	NV	-30	0.23	0.000275	±2.5	PASS
GPRS850	190	NV	-20	-2.91	-0.003478	±2.5	PASS
GPRS850	190	NV	-10	-2.52	-0.003012	±2.5	PASS
GPRS850	190	NV	0	-0.10	-0.000120	±2.5	PASS
GPRS850	190	NV	10	-0.97	-0.001159	±2.5	PASS
GPRS850	190	NV	20	-3.26	-0.003897	±2.5	PASS
GPRS850	190	NV	30	-0.10	-0.000120	±2.5	PASS
GPRS850	190	NV	40	1.16	0.001387	±2.5	PASS
GPRS850	190	NV	50	-0.48	-0.000574	±2.5	PASS
GPRS850	251	NV	-30	-2.62	-0.003087	±2.5	PASS
GPRS850	251	NV	-20	-5.39	-0.006350	±2.5	PASS
GPRS850	251	NV	-10	-3.52	-0.004147	±2.5	PASS
GPRS850	251	NV	0	-2.29	-0.002698	±2.5	PASS
GPRS850	251	NV	10	-3.75	-0.004418	±2.5	PASS
GPRS850	251	NV	20	-2.26	-0.002663	±2.5	PASS
GPRS850	251	NV	30	-1.45	-0.001708	±2.5	PASS
GPRS850	251	NV	40	-3.71	-0.004371	±2.5	PASS
GPRS850	251	NV	50	-0.68	-0.000801	±2.5	PASS
EGPRS850	128	NV	-30	3.13	0.003798	±2.5	PASS
EGPRS850	128	NV	-20	-2.07	-0.002512	±2.5	PASS
EGPRS850	128	NV	-10	-1.49	-0.001808	±2.5	PASS
EGPRS850	128	NV	0	-1.65	-0.002002	±2.5	PASS
EGPRS850	128	NV	10	-1.84	-0.002232	±2.5	PASS
EGPRS850	128	NV	20	-3.71	-0.004501	±2.5	PASS
EGPRS850	128	NV	30	-3.00	-0.003640	±2.5	PASS

EGPRS850	128	NV	40	-1.61	-0.001953	±2.5	PASS
EGPRS850	128	NV	50	0.23	0.000279	±2.5	PASS
EGPRS850	190	NV	-30	0.00	0.000000	±2.5	PASS
EGPRS850	190	NV	-20	1.81	0.002164	±2.5	PASS
EGPRS850	190	NV	-10	-4.46	-0.005331	±2.5	PASS
EGPRS850	190	NV	0	-2.42	-0.002893	±2.5	PASS
EGPRS850	190	NV	10	1.74	0.002080	±2.5	PASS
EGPRS850	190	NV	20	1.29	0.001542	±2.5	PASS
EGPRS850	190	NV	30	2.13	0.002546	±2.5	PASS
EGPRS850	190	NV	40	0.26	0.000311	±2.5	PASS
EGPRS850	190	NV	50	-1.19	-0.001422	±2.5	PASS
EGPRS850	251	NV	-30	-4.26	-0.005019	±2.5	PASS
EGPRS850	251	NV	-20	-1.45	-0.001708	±2.5	PASS
EGPRS850	251	NV	-10	-0.71	-0.000836	±2.5	PASS
EGPRS850	251	NV	0	-2.58	-0.003040	±2.5	PASS
EGPRS850	251	NV	10	-0.94	-0.001107	±2.5	PASS
EGPRS850	251	NV	20	-2.45	-0.002886	±2.5	PASS
EGPRS850	251	NV	30	0.26	0.000306	±2.5	PASS
EGPRS850	251	NV	40	-3.49	-0.004112	±2.5	PASS
EGPRS850	251	NV	50	2.29	0.002698	±2.5	PASS
GSM1900	512	NV	-30	8.39	0.004535	±2.5	PASS
GSM1900	512	NV	-20	7.17	0.003875	±2.5	PASS
GSM1900	512	NV	-10	9.98	0.005394	±2.5	PASS
GSM1900	512	NV	0	9.88	0.005340	±2.5	PASS
GSM1900	512	NV	10	10.33	0.005583	±2.5	PASS
GSM1900	512	NV	20	-16.27	-0.008794	±2.5	PASS
GSM1900	512	NV	30	-19.27	-0.010415	±2.5	PASS
GSM1900	512	NV	40	-14.59	-0.007886	±2.5	PASS
GSM1900	512	NV	50	-19.76	-0.010680	±2.5	PASS
GSM1900	661	NV	-30	7.72	0.004106	±2.5	PASS
GSM1900	661	NV	-20	11.01	0.005856	±2.5	PASS
GSM1900	661	NV	-10	6.68	0.003553	±2.5	PASS
GSM1900	661	NV	0	8.46	0.004500	±2.5	PASS
GSM1900	661	NV	10	3.78	0.002011	±2.5	PASS
GSM1900	661	NV	20	8.30	0.004415	±2.5	PASS
GSM1900	661	NV	30	-8.07	-0.004293	±2.5	PASS
GSM1900	661	NV	40	-14.72	-0.007830	±2.5	PASS
GSM1900	661	NV	50	-14.85	-0.007899	±2.5	PASS
GSM1900	810	NV	-30	5.26	0.002754	±2.5	PASS
GSM1900	810	NV	-20	4.42	0.002314	±2.5	PASS
GSM1900	810	NV	-10	5.13	0.002686	±2.5	PASS
GSM1900	810	NV	0	7.23	0.003786	±2.5	PASS

GSM1900	810	NV	10	7.43	0.003890	±2.5	PASS
GSM1900	810	NV	20	7.78	0.004074	±2.5	PASS
GSM1900	810	NV	30	-7.36	-0.003854	±2.5	PASS
GSM1900	810	NV	40	-12.30	-0.006440	±2.5	PASS
GSM1900	810	NV	50	-13.33	-0.006980	±2.5	PASS
GPRS1900	512	NV	-30	4.88	0.002638	±2.5	PASS
GPRS1900	512	NV	-20	4.55	0.002459	±2.5	PASS
GPRS1900	512	NV	-10	9.10	0.004918	±2.5	PASS
GPRS1900	512	NV	0	9.98	0.005394	±2.5	PASS
GPRS1900	512	NV	10	0.48	0.000259	±2.5	PASS
GPRS1900	512	NV	20	3.52	0.001902	±2.5	PASS
GPRS1900	512	NV	30	4.04	0.002184	±2.5	PASS
GPRS1900	512	NV	40	1.07	0.000578	±2.5	PASS
GPRS1900	512	NV	50	6.72	0.003632	±2.5	PASS
GPRS1900	661	NV	-30	1.94	0.001032	±2.5	PASS
GPRS1900	661	NV	-20	2.39	0.001271	±2.5	PASS
GPRS1900	661	NV	-10	1.52	0.000809	±2.5	PASS
GPRS1900	661	NV	0	5.49	0.002920	±2.5	PASS
GPRS1900	661	NV	10	7.72	0.004106	±2.5	PASS
GPRS1900	661	NV	20	2.87	0.001527	±2.5	PASS
GPRS1900	661	NV	30	-1.68	-0.000894	±2.5	PASS
GPRS1900	661	NV	40	3.75	0.001995	±2.5	PASS
GPRS1900	661	NV	50	12.88	0.006851	±2.5	PASS
GPRS1900	810	NV	-30	4.81	0.002519	±2.5	PASS
GPRS1900	810	NV	-20	4.04	0.002115	±2.5	PASS
GPRS1900	810	NV	-10	3.52	0.001843	±2.5	PASS
GPRS1900	810	NV	0	5.36	0.002807	±2.5	PASS
GPRS1900	810	NV	10	7.07	0.003702	±2.5	PASS
GPRS1900	810	NV	20	5.49	0.002875	±2.5	PASS
GPRS1900	810	NV	30	6.10	0.003194	±2.5	PASS
GPRS1900	810	NV	40	5.04	0.002639	±2.5	PASS
GPRS1900	810	NV	50	4.78	0.002503	±2.5	PASS
EGPRS1900	512	NV	-30	14.82	0.008010	±2.5	PASS
EGPRS1900	512	NV	-20	16.01	0.008653	±2.5	PASS
EGPRS1900	512	NV	-10	20.18	0.010907	±2.5	PASS
EGPRS1900	512	NV	0	19.18	0.010366	±2.5	PASS
EGPRS1900	512	NV	10	16.11	0.008707	±2.5	PASS
EGPRS1900	512	NV	20	16.18	0.008745	±2.5	PASS
EGPRS1900	512	NV	30	21.50	0.011620	±2.5	PASS
EGPRS1900	512	NV	40	25.63	0.013853	±2.5	PASS
EGPRS1900	512	NV	50	28.93	0.015636	±2.5	PASS
EGPRS1900	661	NV	-30	12.72	0.006766	±2.5	PASS

EGPRS1900	661	NV	-20	14.59	0.007761	±2.5	PASS
EGPRS1900	661	NV	-10	19.27	0.010250	±2.5	PASS
EGPRS1900	661	NV	0	12.11	0.006441	±2.5	PASS
EGPRS1900	661	NV	10	10.20	0.005426	±2.5	PASS
EGPRS1900	661	NV	20	12.17	0.006473	±2.5	PASS
EGPRS1900	661	NV	30	12.33	0.006559	±2.5	PASS
EGPRS1900	661	NV	40	11.49	0.006112	±2.5	PASS
EGPRS1900	661	NV	50	19.18	0.010202	±2.5	PASS
EGPRS1900	810	NV	-30	10.72	0.005613	±2.5	PASS
EGPRS1900	810	NV	-20	12.59	0.006592	±2.5	PASS
EGPRS1900	810	NV	-10	13.92	0.007289	±2.5	PASS
EGPRS1900	810	NV	0	8.81	0.004613	±2.5	PASS
EGPRS1900	810	NV	10	9.91	0.005189	±2.5	PASS
EGPRS1900	810	NV	20	10.14	0.005309	±2.5	PASS
EGPRS1900	810	NV	30	11.82	0.006189	±2.5	PASS
EGPRS1900	810	NV	40	8.94	0.004681	±2.5	PASS
EGPRS1900	810	NV	50	19.31	0.010111	±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	34.67	0.26	32.78	1.8967	7	PASS
	GPRS	34.63	0.26	32.74	1.8793	7	PASS
	EGPRS	29.07	0.26	27.18	0.5224	7	PASS

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
				(dBm)	(W)		
GSM1900	GSM	31.56	0.72	32.28	1.6904	2	PASS
	GPRS	31.41	0.72	32.13	1.6331	2	PASS
	EGPRS	26.75	0.72	27.47	0.5585	2	PASS

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