

Appendix M

Transmitter Conducted Output Power And ERP/EIRP

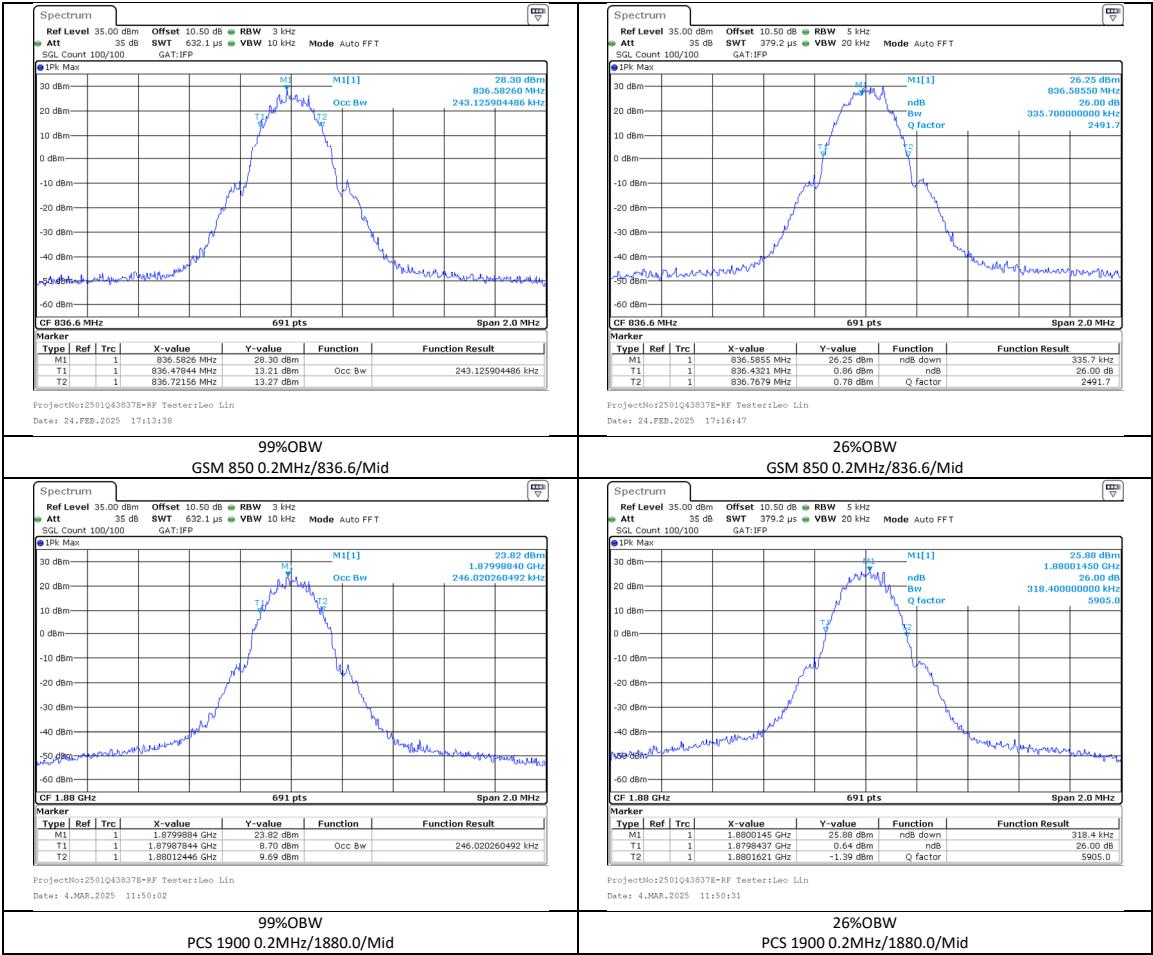
Band	Channel	PCL	Freq (MHz)	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	251	5	848.8	31.79	23.74	38.45	PASS
GSM 850	190	5	836.6	31.70	23.65	38.45	PASS
GSM 850	128	5	824.2	31.72	23.67	38.45	PASS
PCS 1900	810	0	1909.8	27.63	26.83	33.01	PASS
PCS 1900	661	0	1880.0	27.90	27.10	33.01	PASS
PCS 1900	512	0	1850.2	28.10	27.30	33.01	PASS

Peak to Average Ratio

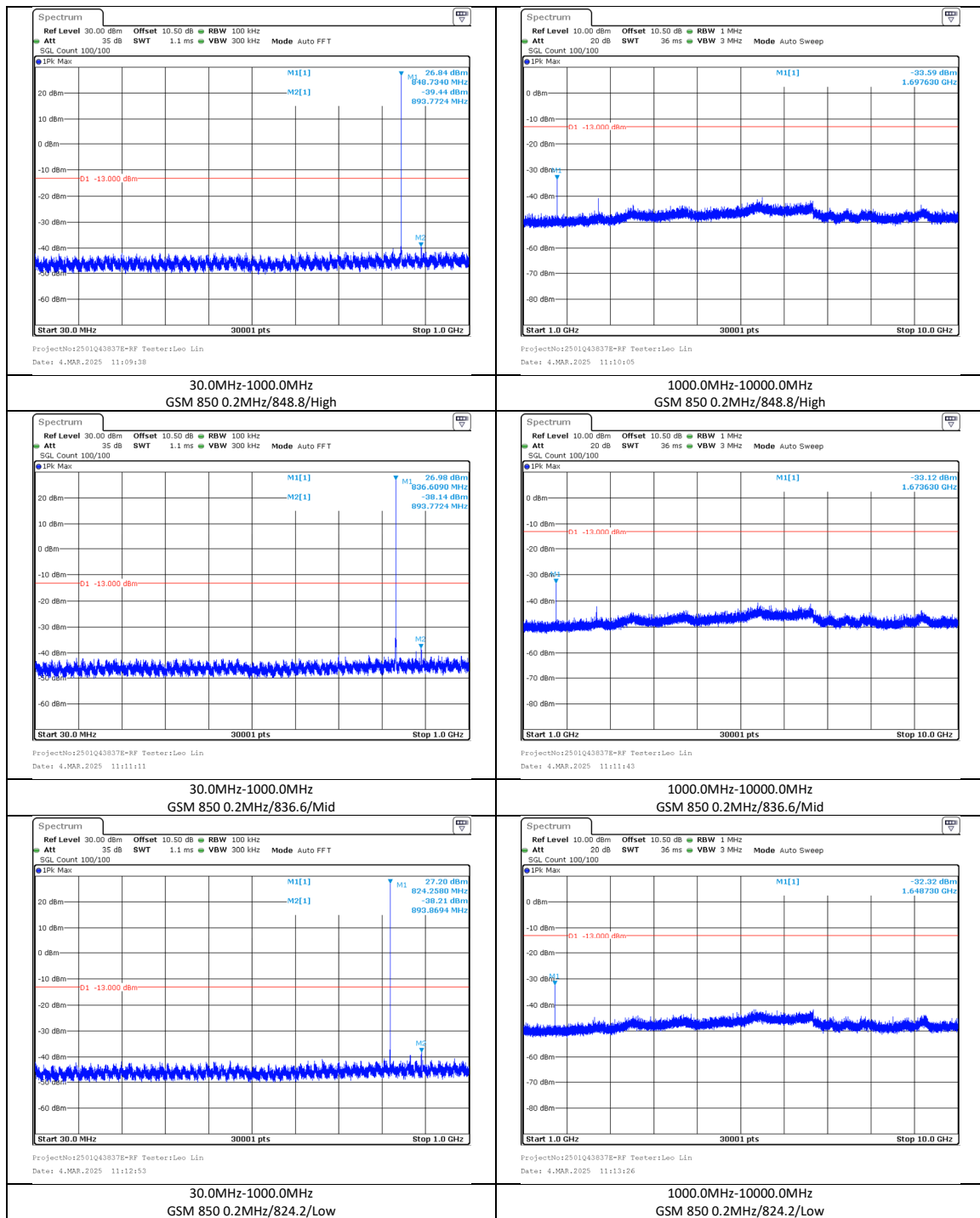
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	3.42	13	PASS
GSM 850	190	836.6	3.39	13	PASS
GSM 850	128	824.2	3.45	13	PASS
PCS 1900	810	1909.8	3.48	13	PASS
PCS 1900	661	1880.0	3.51	13	PASS
PCS 1900	512	1850.2	3.54	13	PASS

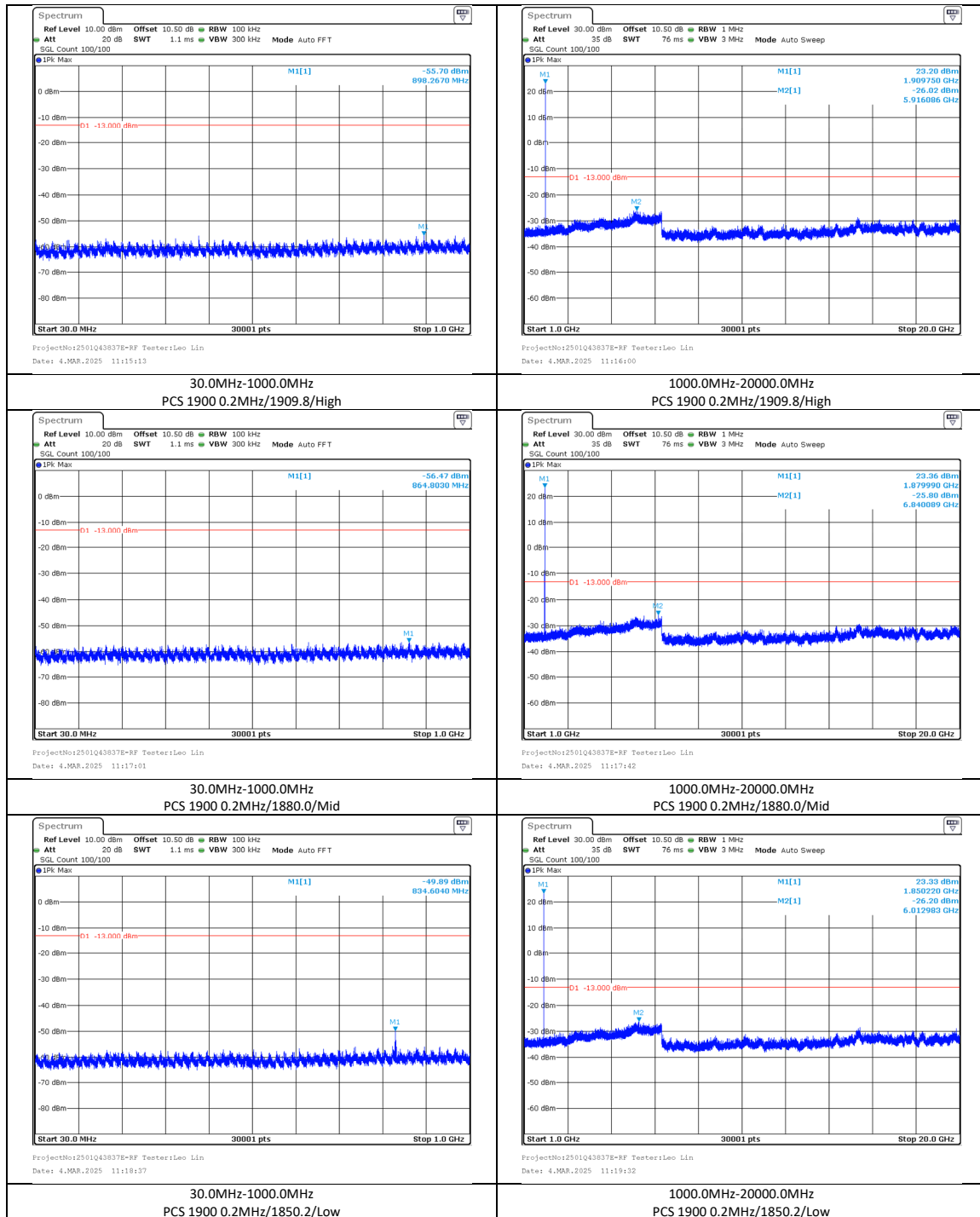
Occupied Bandwidth

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	190	836.6	0.24313	0.3357	PASS
PCS 1900	661	1880.0	0.24602	0.3184	PASS



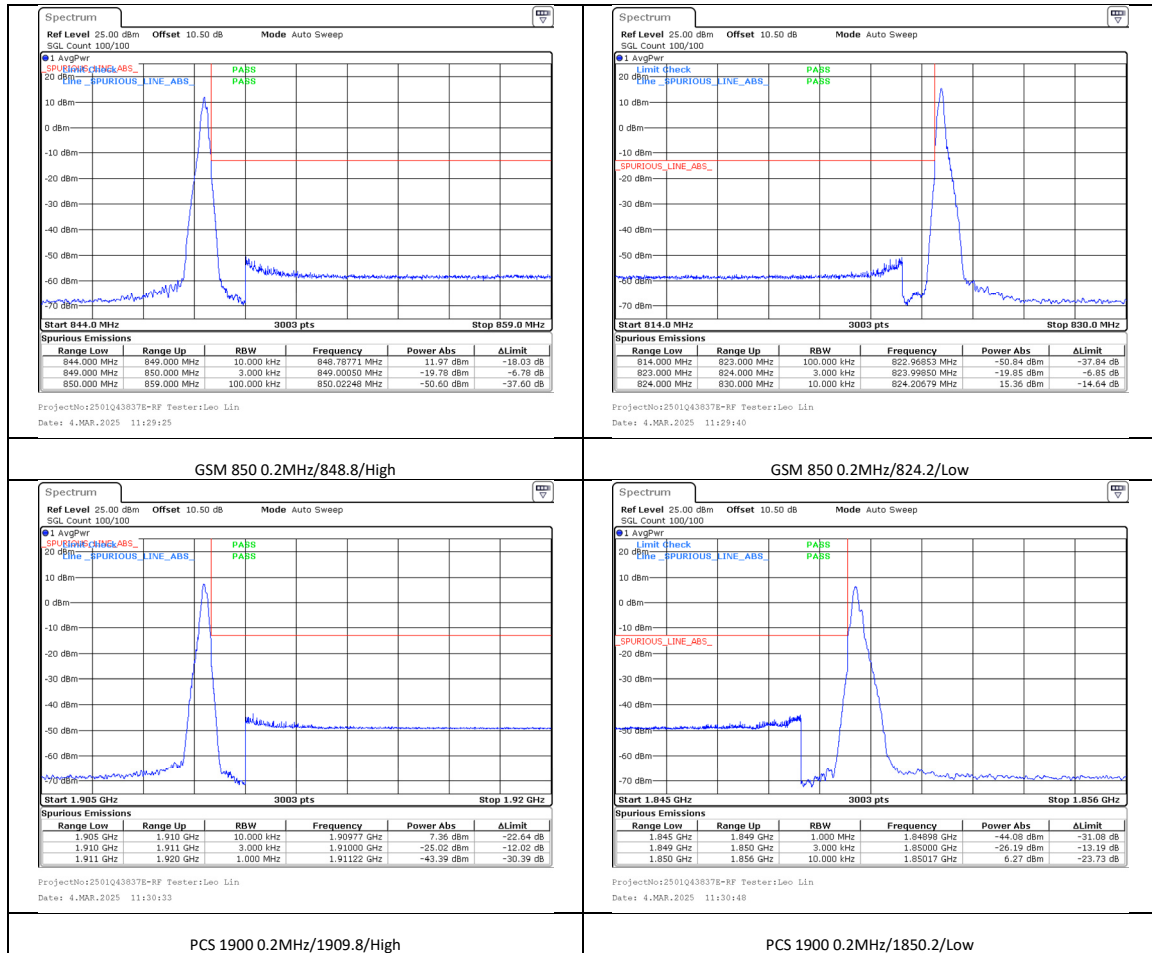
Conducted Spurious Emissions





Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
GSM 850	251	848.8	see graph	PASS
GSM 850	128	824.2	see graph	PASS
PCS 1900	810	1909.8	see graph	PASS
PCS 1900	512	1850.2	see graph	PASS



Frequency Stability Error

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	251	848.8	0.50	0.00059	±2.5	PASS	20°C/4.4V
GSM 850	251	848.8	1.49	0.00176	±2.5	PASS	20°C/3.45V
GSM 850	251	848.8	-2.25	-0.00265	±2.5	PASS	50°C/3.85V
GSM 850	251	848.8	1.83	0.00216	±2.5	PASS	40°C/3.85V
GSM 850	251	848.8	-4.45	-0.00524	±2.5	PASS	30°C/3.85V
GSM 850	251	848.8	-6.64	-0.00782	±2.5	PASS	20°C/3.85V
GSM 850	251	848.8	-0.07	-0.00008	±2.5	PASS	10°C/3.85V
GSM 850	251	848.8	-2.03	-0.00239	±2.5	PASS	0°C/3.85V
GSM 850	251	848.8	0.91	0.00107	±2.5	PASS	-10°C/3.85V
GSM 850	251	848.8	-1.99	-0.00234	±2.5	PASS	-20°C/3.85V
GSM 850	251	848.8	-4.72	-0.00556	±2.5	PASS	-30°C/3.85V
GSM 850	190	836.6	-0.31	-0.00037	±2.5	PASS	20°C/4.4V
GSM 850	190	836.6	0.39	0.00047	±2.5	PASS	20°C/3.45V
GSM 850	190	836.6	4.16	0.00497	±2.5	PASS	50°C/3.85V
GSM 850	190	836.6	-0.67	-0.00080	±2.5	PASS	40°C/3.85V
GSM 850	190	836.6	1.95	0.00233	±2.5	PASS	30°C/3.85V
GSM 850	190	836.6	1.43	0.00171	±2.5	PASS	20°C/3.85V
GSM 850	190	836.6	3.55	0.00424	±2.5	PASS	10°C/3.85V
GSM 850	190	836.6	0.25	0.00030	±2.5	PASS	0°C/3.85V
GSM 850	190	836.6	5.44	0.00650	±2.5	PASS	-10°C/3.85V
GSM 850	190	836.6	-1.28	-0.00153	±2.5	PASS	-20°C/3.85V
GSM 850	190	836.6	0.90	0.00108	±2.5	PASS	-30°C/3.85V
GSM 850	128	824.2	6.69	0.00812	±2.5	PASS	20°C/4.4V
GSM 850	128	824.2	-3.80	-0.00461	±2.5	PASS	20°C/3.45V
GSM 850	128	824.2	3.16	0.00383	±2.5	PASS	50°C/3.85V
GSM 850	128	824.2	-3.53	-0.00428	±2.5	PASS	40°C/3.85V
GSM 850	128	824.2	1.15	0.00140	±2.5	PASS	30°C/3.85V
GSM 850	128	824.2	1.04	0.00126	±2.5	PASS	20°C/3.85V
GSM 850	128	824.2	0.33	0.00040	±2.5	PASS	10°C/3.85V
GSM 850	128	824.2	0.48	0.00058	±2.5	PASS	0°C/3.85V
GSM 850	128	824.2	-1.93	-0.00234	±2.5	PASS	-10°C/3.85V
GSM 850	128	824.2	-3.28	-0.00398	±2.5	PASS	-20°C/3.85V
GSM 850	128	824.2	1.80	0.00218	±2.5	PASS	-30°C/3.85V

Frequency Stability Range

Band	Channel (Low/High)	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (1850MHz)	Upper Edge (MHz) (Result)	Limit (1910MHz)	Environment
PCS 1900	512/810	1850.2/1909.8	1850.059	1850.000	1909.957	1910.000	20°C/4.4V
PCS 1900	512/810	1850.2/1909.8	1850.145	1850.000	1909.986	1910.000	20°C/3.45V
PCS 1900	512/810	1850.2/1909.8	1850.045	1850.000	1909.871	1910.000	50°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.045	1850.000	1909.901	1910.000	40°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.028	1850.000	1909.807	1910.000	30°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.121	1850.000	1909.830	1910.000	20°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.036	1850.000	1909.883	1910.000	10°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.118	1850.000	1909.817	1910.000	0°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.071	1850.000	1909.942	1910.000	-10°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.191	1850.000	1909.987	1910.000	-20°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.170	1850.000	1909.878	1910.000	-30°C/3.85V

Transmitter Conducted Output Power And ERP/EIRP GPRS

Band	Channel	PCL	Freq (MHz)	Modulation	Slots	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	251	3	848.8	GMSK	1 Tx	31.42	23.37	38.45	PASS
GSM 850	251	3	848.8	GMSK	2 Tx	29.14	21.09	38.45	PASS
GSM 850	251	3	848.8	GMSK	3 Tx	27.27	19.22	38.45	PASS
GSM 850	251	3	848.8	GMSK	4 Tx	25.25	17.20	38.45	PASS
GSM 850	190	3	836.6	GMSK	1 Tx	31.28	23.23	38.45	PASS
GSM 850	190	3	836.6	GMSK	2 Tx	29.14	21.09	38.45	PASS
GSM 850	190	3	836.6	GMSK	3 Tx	27.23	19.18	38.45	PASS
GSM 850	190	3	836.6	GMSK	4 Tx	25.25	17.20	38.45	PASS
GSM 850	128	3	824.2	GMSK	1 Tx	31.21	23.16	38.45	PASS
GSM 850	128	3	824.2	GMSK	2 Tx	29.12	21.07	38.45	PASS
GSM 850	128	3	824.2	GMSK	3 Tx	27.29	19.24	38.45	PASS
GSM 850	128	3	824.2	GMSK	4 Tx	25.32	17.27	38.45	PASS
PCS 1900	810	3	1909.8	GMSK	1 Tx	27.65	26.85	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	2 Tx	25.65	24.85	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	3 Tx	24.10	23.30	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	4 Tx	22.10	21.30	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	1 Tx	27.93	27.13	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	2 Tx	25.58	24.78	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	3 Tx	24.09	23.29	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	4 Tx	22.05	21.25	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	1 Tx	28.18	27.38	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	2 Tx	25.52	24.72	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	3 Tx	23.99	23.19	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	4 Tx	21.95	21.15	33.01	PASS

Peak to Average Ratio GPRS

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	3.26	13	PASS
GSM 850	190	836.6	3.31	13	PASS
GSM 850	128	824.2	3.40	13	PASS
PCS 1900	810	1909.8	3.44	13	PASS
PCS 1900	661	1880.0	3.37	13	PASS
PCS 1900	512	1850.2	3.29	13	PASS

Transmitter Conducted Output Power And ERP/EIRP EGPRS

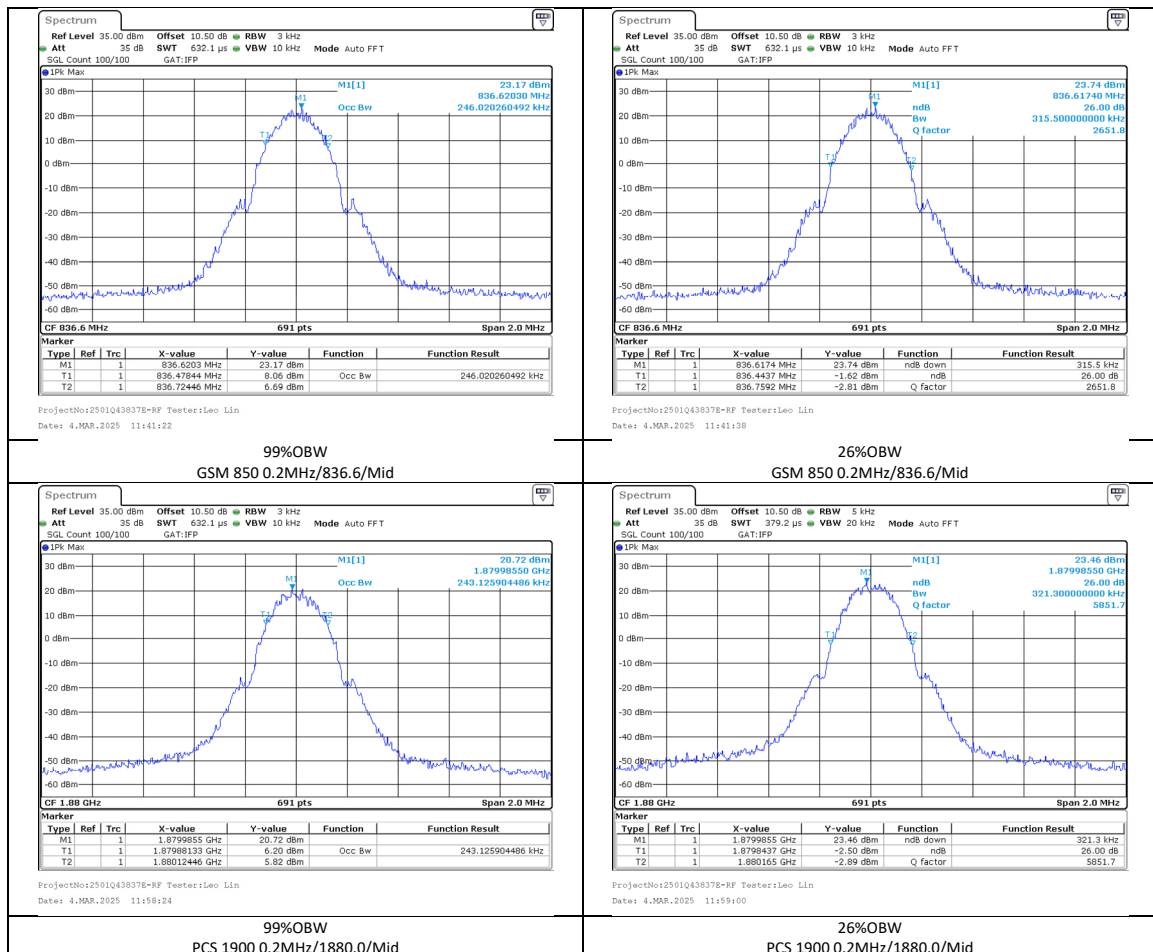
Band	Channel	PCL	Freq (MHz)	Modulation	Slots	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	251	6	848.8	8PSK	1 Tx	24.81	16.76	38.45	PASS
GSM 850	251	6	848.8	8PSK	2 Tx	23.92	15.87	38.45	PASS
GSM 850	251	6	848.8	8PSK	3 Tx	21.87	13.82	38.45	PASS
GSM 850	251	6	848.8	8PSK	4 Tx	19.70	11.65	38.45	PASS
GSM 850	190	6	836.6	8PSK	1 Tx	25.01	16.96	38.45	PASS
GSM 850	190	6	836.6	8PSK	2 Tx	24.03	15.98	38.45	PASS
GSM 850	190	6	836.6	8PSK	3 Tx	22.00	13.95	38.45	PASS
GSM 850	190	6	836.6	8PSK	4 Tx	19.62	11.57	38.45	PASS
GSM 850	128	6	824.2	8PSK	1 Tx	24.64	16.59	38.45	PASS
GSM 850	128	6	824.2	8PSK	2 Tx	24.18	16.13	38.45	PASS
GSM 850	128	6	824.2	8PSK	3 Tx	21.53	13.48	38.45	PASS
GSM 850	128	6	824.2	8PSK	4 Tx	19.62	11.57	38.45	PASS
PCS 1900	810	5	1909.8	8PSK	1 Tx	24.25	23.45	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	2 Tx	22.08	21.28	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	3 Tx	21.08	20.28	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	4 Tx	18.34	17.54	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	1 Tx	25.06	24.26	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	2 Tx	23.51	22.71	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	3 Tx	21.45	20.65	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	4 Tx	19.04	18.24	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	1 Tx	25.41	24.61	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	2 Tx	23.17	22.37	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	3 Tx	21.28	20.48	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	4 Tx	19.02	18.22	33.01	PASS

Peak to Average Ratio EGPRS

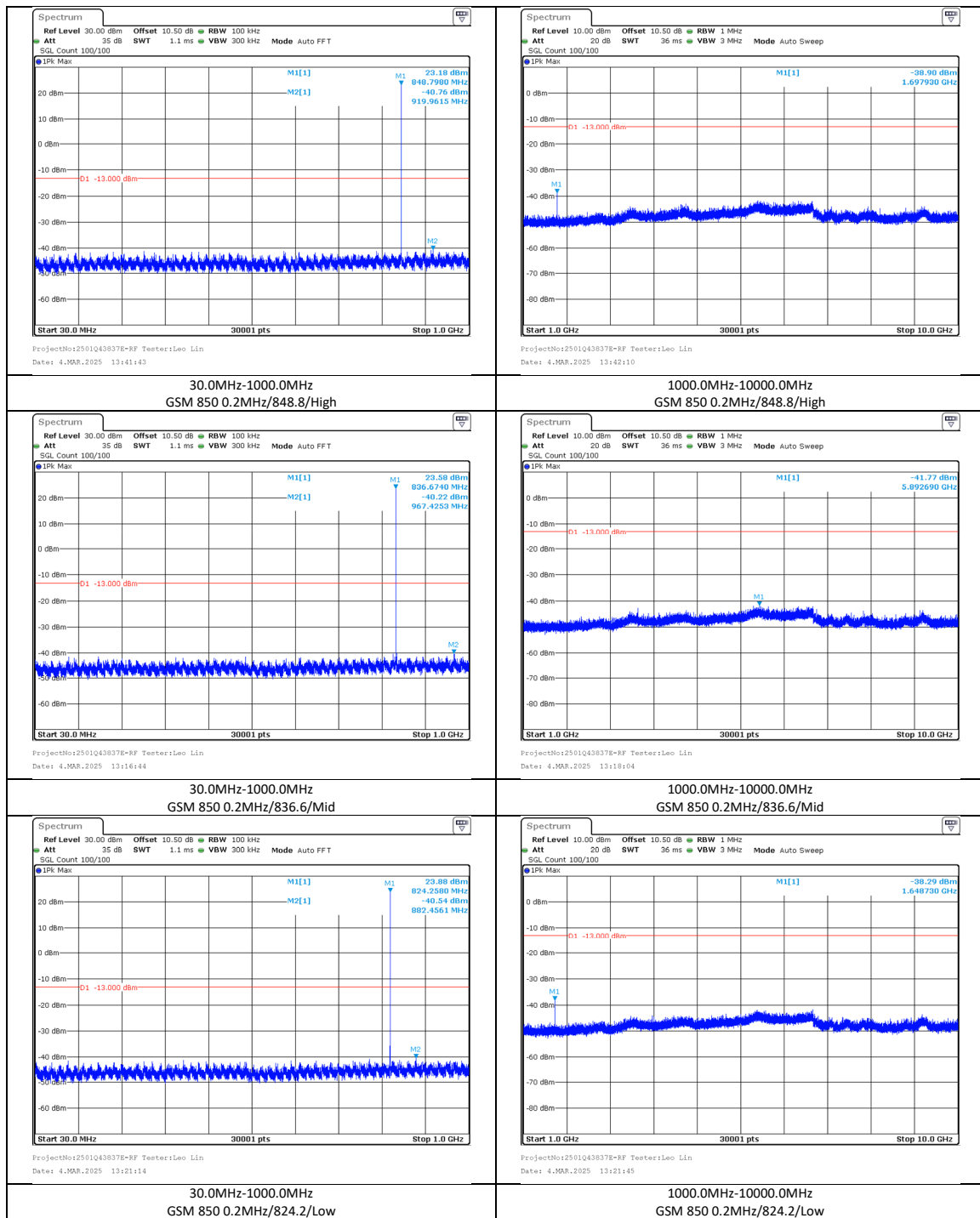
Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	1 Tx	2.45	13	PASS
GSM 850	190	836.6	1 Tx	2.57	13	PASS
GSM 850	128	824.2	1 Tx	2.43	13	PASS
PCS 1900	810	1909.8	1 Tx	2.70	13	PASS
PCS 1900	661	1880.0	1 Tx	2.72	13	PASS
PCS 1900	512	1850.2	1 Tx	2.42	13	PASS

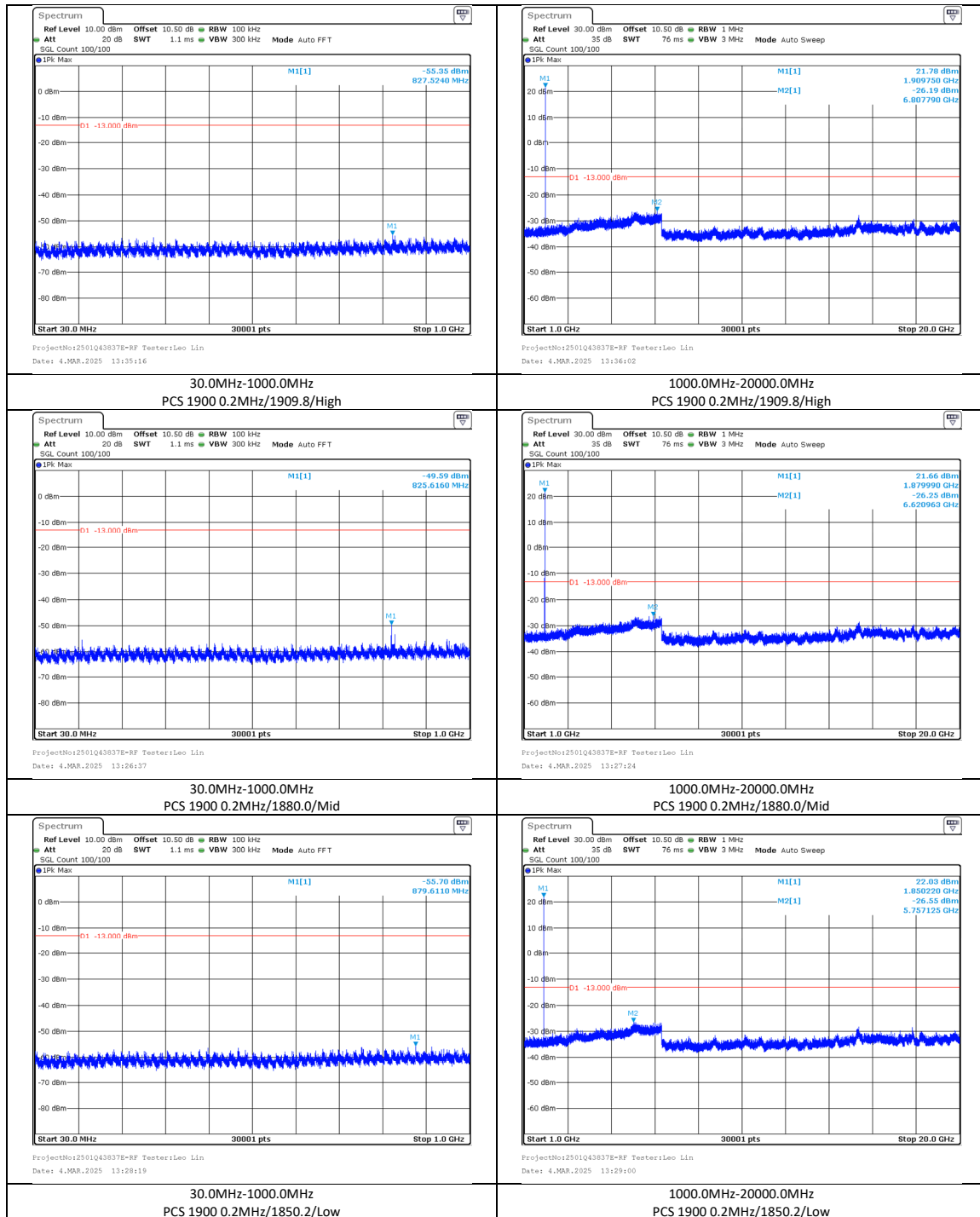
Occupied Bandwidth EGPRS

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	190	836.6	1 Tx	0.24602	0.3155	PASS
PCS 1900	661	1880.0	1 Tx	0.24313	0.3213	PASS



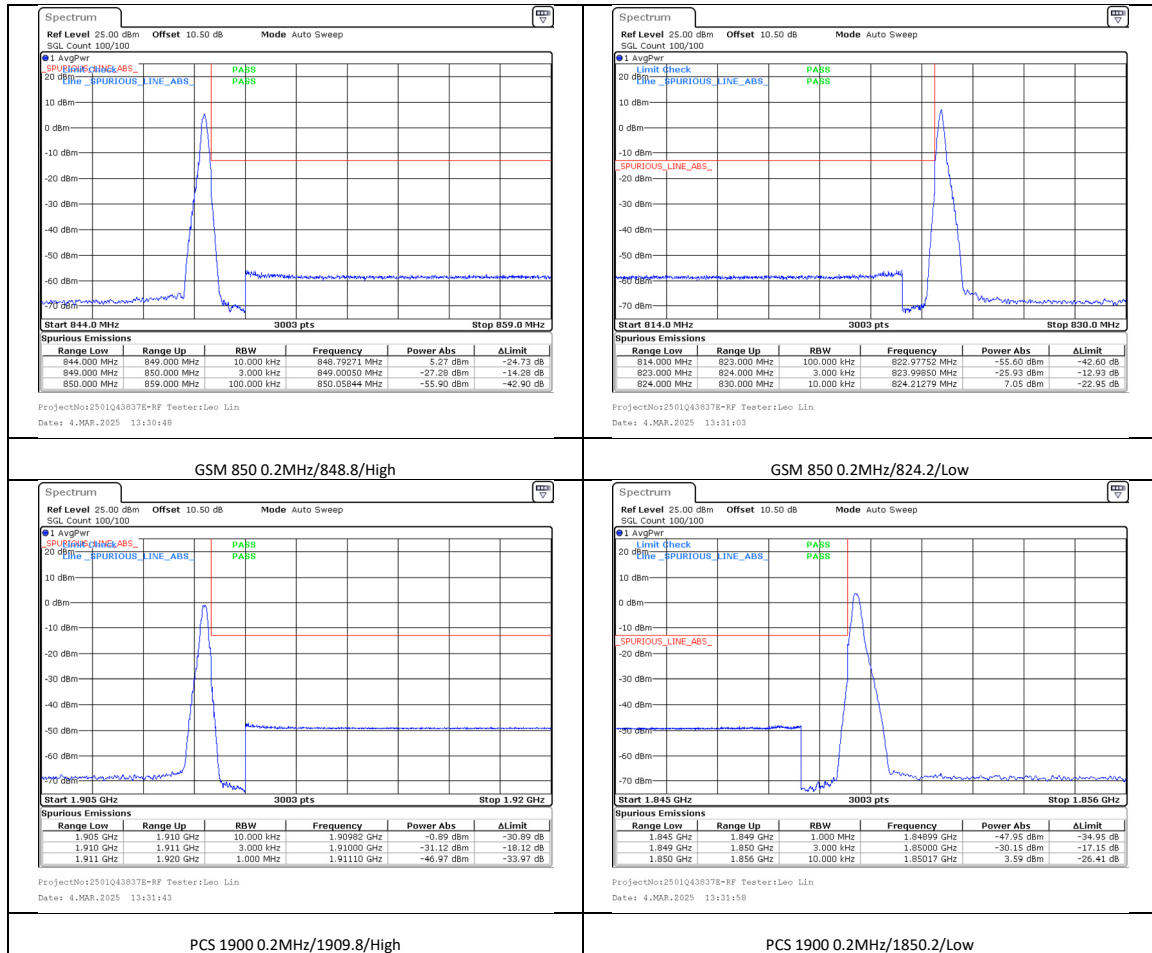
Conducted Spurious Emissions EGPRS





Conducted Band Edge EGPRS

Band	Channel	Freq (MHz)	Slots	Result	Verdict
GSM 850	251	848.8	1 Tx	see graph	PASS
GSM 850	128	824.2	1 Tx	see graph	PASS
PCS 1900	810	1909.8	1 Tx	see graph	PASS
PCS 1900	512	1850.2	1 Tx	see graph	PASS



Frequency Stability Error EGPRS

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	251	848.8	2.72	0.00320	±2.5	PASS	20°C/4.4V
GSM 850	251	848.8	-6.91	-0.00814	±2.5	PASS	20°C/3.45V
GSM 850	251	848.8	2.02	0.00238	±2.5	PASS	50°C/3.85V
GSM 850	251	848.8	-8.27	-0.00974	±2.5	PASS	40°C/3.85V
GSM 850	251	848.8	-2.01	-0.00237	±2.5	PASS	30°C/3.85V
GSM 850	251	848.8	4.23	0.00498	±2.5	PASS	20°C/3.85V
GSM 850	251	848.8	-4.26	-0.00502	±2.5	PASS	10°C/3.85V
GSM 850	251	848.8	6.79	0.00800	±2.5	PASS	0°C/3.85V
GSM 850	251	848.8	3.15	0.00371	±2.5	PASS	-10°C/3.85V
GSM 850	251	848.8	-5.65	-0.00666	±2.5	PASS	-20°C/3.85V
GSM 850	251	848.8	-4.21	-0.00496	±2.5	PASS	-30°C/3.85V
GSM 850	190	836.6	8.57	0.01024	±2.5	PASS	20°C/4.4V
GSM 850	190	836.6	7.62	0.00911	±2.5	PASS	20°C/3.45V
GSM 850	190	836.6	3.04	0.00363	±2.5	PASS	50°C/3.85V
GSM 850	190	836.6	6.39	0.00764	±2.5	PASS	40°C/3.85V
GSM 850	190	836.6	-4.49	-0.00537	±2.5	PASS	30°C/3.85V
GSM 850	190	836.6	-1.86	-0.00222	±2.5	PASS	20°C/3.85V
GSM 850	190	836.6	6.96	0.00832	±2.5	PASS	10°C/3.85V
GSM 850	190	836.6	2.87	0.00343	±2.5	PASS	0°C/3.85V
GSM 850	190	836.6	-10.26	-0.01226	±2.5	PASS	-10°C/3.85V
GSM 850	190	836.6	-1.90	-0.00227	±2.5	PASS	-20°C/3.85V
GSM 850	190	836.6	-0.43	-0.00051	±2.5	PASS	-30°C/3.85V
GSM 850	128	824.2	4.68	0.00568	±2.5	PASS	20°C/4.4V
GSM 850	128	824.2	9.76	0.01184	±2.5	PASS	20°C/3.45V
GSM 850	128	824.2	4.75	0.00576	±2.5	PASS	50°C/3.85V
GSM 850	128	824.2	-6.13	-0.00744	±2.5	PASS	40°C/3.85V
GSM 850	128	824.2	3.65	0.00443	±2.5	PASS	30°C/3.85V
GSM 850	128	824.2	8.03	0.00974	±2.5	PASS	20°C/3.85V
GSM 850	128	824.2	1.07	0.00130	±2.5	PASS	10°C/3.85V
GSM 850	128	824.2	-5.75	-0.00698	±2.5	PASS	0°C/3.85V
GSM 850	128	824.2	7.27	0.00882	±2.5	PASS	-10°C/3.85V
GSM 850	128	824.2	-3.17	-0.00385	±2.5	PASS	-20°C/3.85V
GSM 850	128	824.2	-0.28	-0.00034	±2.5	PASS	-30°C/3.85V

Frequency Stability Range EGPRS

Band	Channel (Low/High)	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (1850MHz)	Upper Edge (MHz) (Result)	Limit (1910MHz)	Environment
PCS 1900	512/810	1850.2/1909.8	1850.037	1850.000	1909.909	1910.000	20°C/4.4V
PCS 1900	512/810	1850.2/1909.8	1850.092	1850.000	1909.981	1910.000	20°C/3.45V
PCS 1900	512/810	1850.2/1909.8	1850.033	1850.000	1909.825	1910.000	50°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.045	1850.000	1909.920	1910.000	40°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.039	1850.000	1909.777	1910.000	30°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.125	1850.000	1909.851	1910.000	20°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.051	1850.000	1909.894	1910.000	10°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.148	1850.000	1909.818	1910.000	0°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.117	1850.000	1909.919	1910.000	-10°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.156	1850.000	1909.961	1910.000	-20°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.182	1850.000	1909.861	1910.000	-30°C/3.85V