

Appendix A

Test Information:

Sample No.:	2YCX-1	Test Date:	2025/02/27~2025/03/26
Test Site:	RF	Test Mode:	Transmitting
Tester:	Leo Lin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2-25.4	Relative Humidity: (%)	28-35	ATM Pressure: (kPa)	101.3
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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	31.43	26.18	38.45	PASS
GSM 850	190	5	836.6	31.31	26.06	38.45	PASS
GSM 850	128	5	824.2	31.33	26.08	38.45	PASS
PCS 1900	810	0	1909.8	27.40	24.70	33.01	PASS
PCS 1900	661	0	1880.0	27.21	24.51	33.01	PASS
PCS 1900	512	0	1850.2	27.10	24.40	33.01	PASS

Note 1: ERP for the GSM850, EIRP for the PCS1900.

Note 2: ERP = Conducted Power(dBm) + Antenna Gain(dBd) - Cable Loss(dB)

Antenna Gain(dBd) = Antenna Gain(dBi) - 2.15;

Note 3: EIRP = Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)

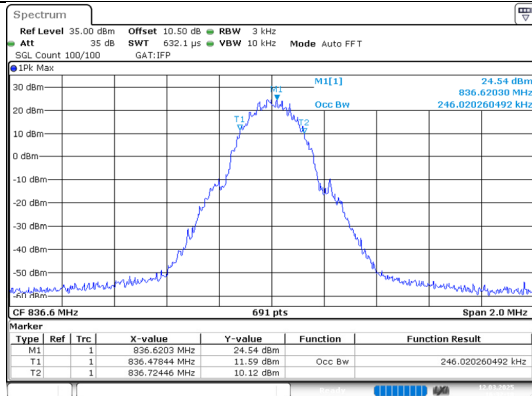
Note 4: Antenna gain is -3.1dBi(GSM850), -2.7dBi(PCS1900); Cable loss=0dB.

Peak to Average Ratio

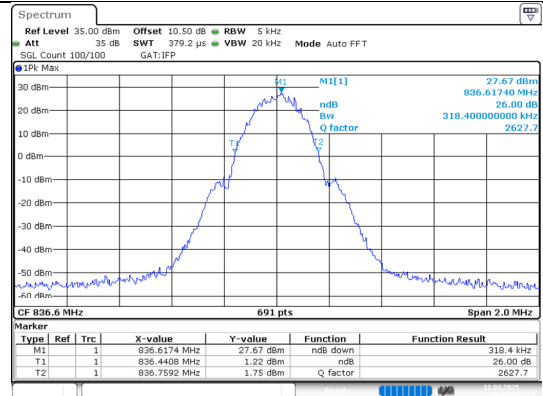
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	6.32	13	PASS
GSM 850	190	836.6	6.48	13	PASS
GSM 850	128	824.2	6.41	13	PASS
PCS 1900	810	1909.8	6.03	13	PASS
PCS 1900	661	1880.0	5.54	13	PASS
PCS 1900	512	1850.2	6.54	13	PASS

Occupied Bandwidth

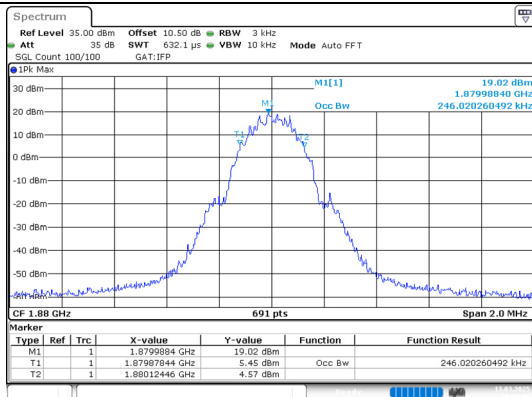
Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	190	836.6	0.24602	0.3184	PASS
PCS 1900	661	1880.0	0.24602	0.3213	PASS



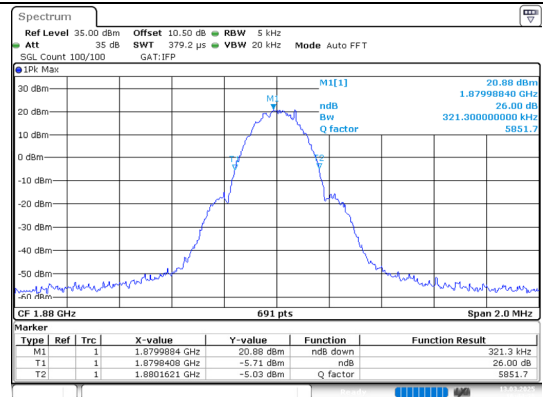
99%OBW
GSM 850 0.2MHz/836.6/Mid



26%OBW
GSM 850 0.2MHz/836.6/Mid



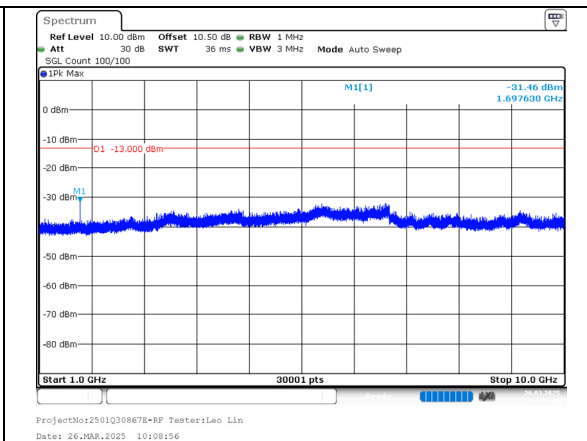
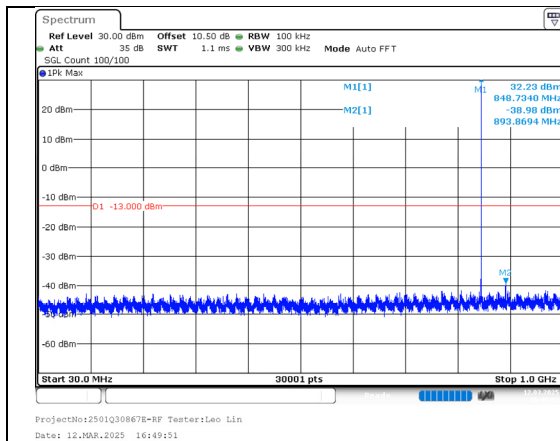
99%OBW
PCS 1900 0.2MHz/1880.0/Mid



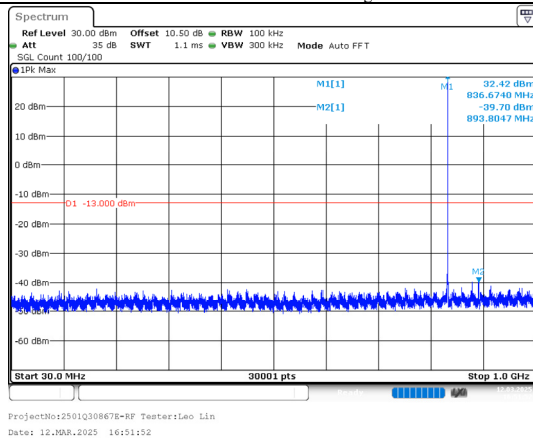
26%OBW
PCS 1900 0.2MHz/1880.0/Mid

Conducted Spurious Emissions

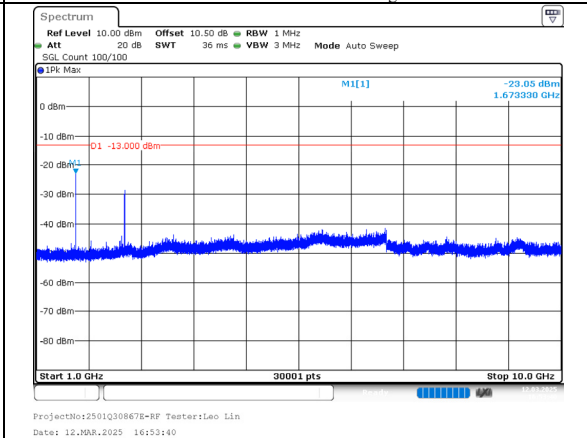
Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM 850	251	848.8	30.0	1000.0	-38.98	-13	PASS
GSM 850	251	848.8	1000.0	10000.0	-31.46	-13	PASS
GSM 850	190	836.6	30.0	1000.0	-39.70	-13	PASS
GSM 850	190	836.6	1000.0	10000.0	-23.05	-13	PASS
GSM 850	128	824.2	30.0	1000.0	-38.90	-13	PASS
GSM 850	190	836.6	1000.0	10000.0	-23.05	-13	PASS
PCS 1900	810	1909.8	30.0	1000.0	-56.39	-13	PASS
PCS 1900	810	1909.8	1000.0	20000.0	-27.11	-13	PASS
PCS 1900	661	1880.0	30.0	1000.0	-49.22	-13	PASS
PCS 1900	661	1880.0	1000.0	20000.0	-27.11	-13	PASS
PCS 1900	512	1850.2	30.0	1000.0	-55.73	-13	PASS
PCS 1900	512	1850.2	1000.0	20000.0	-26.81	-13	PASS



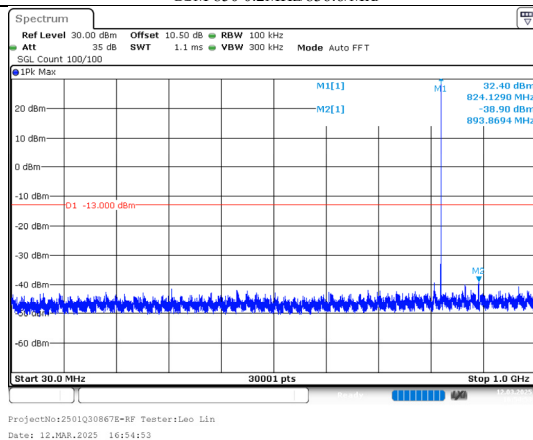
30.0MHz-1000.0MHz
GSM 850 0.2MHz/848.8/High



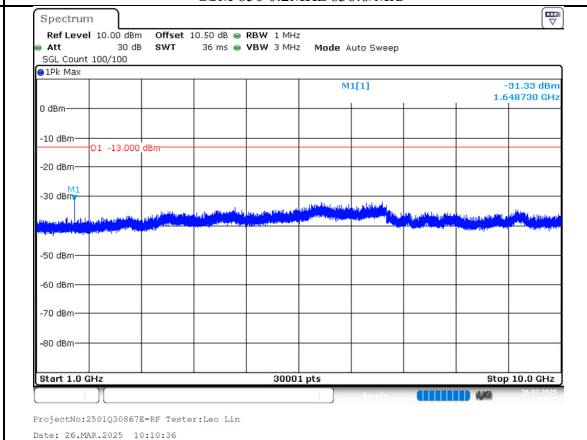
1000.0MHz-10000.0MHz
GSM 850 0.2MHz/848.8/High



30.0MHz-1000.0MHz
GSM 850 0.2MHz/836.6/Mid

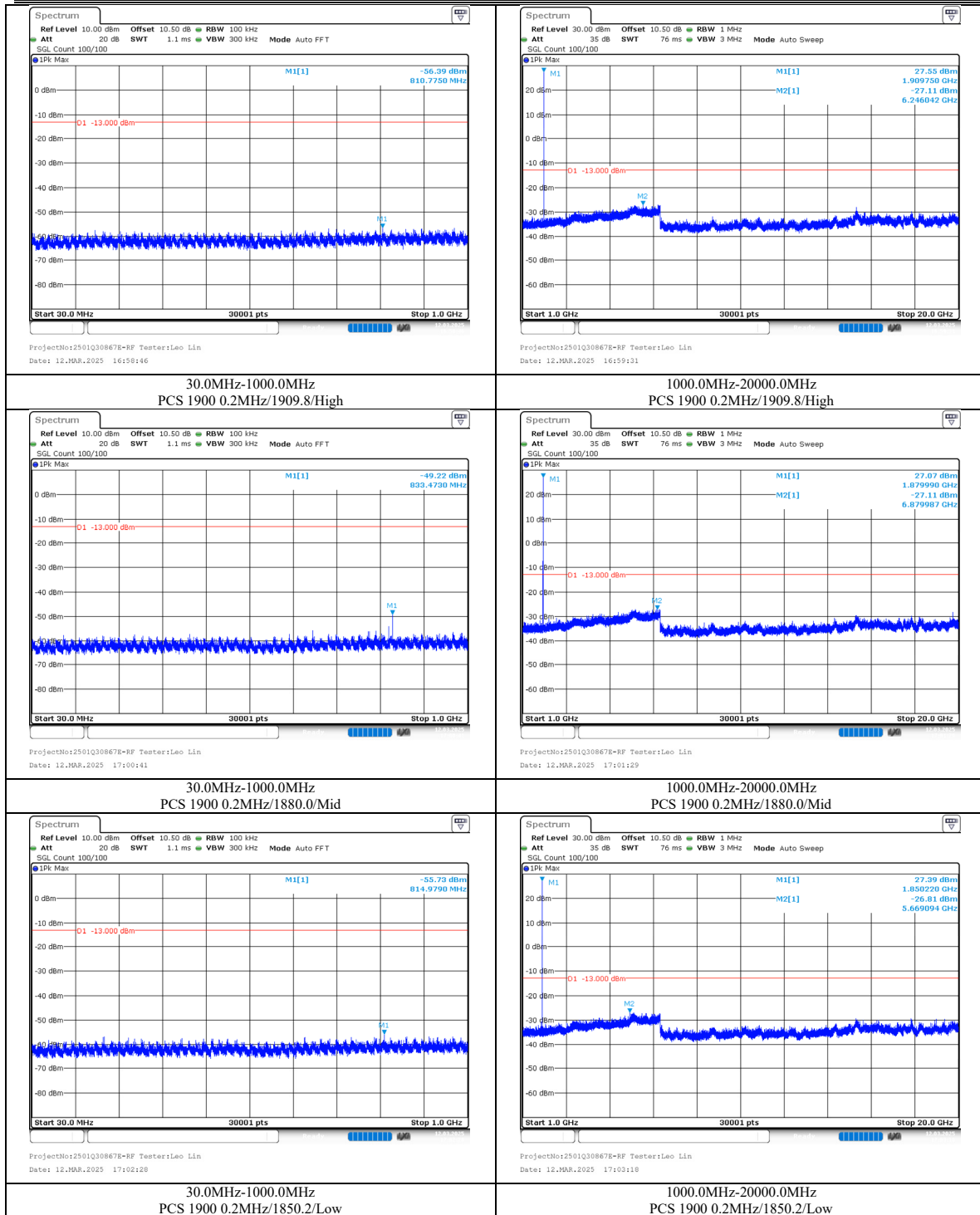


1000.0MHz-10000.0MHz
GSM 850 0.2MHz/836.6/Mid

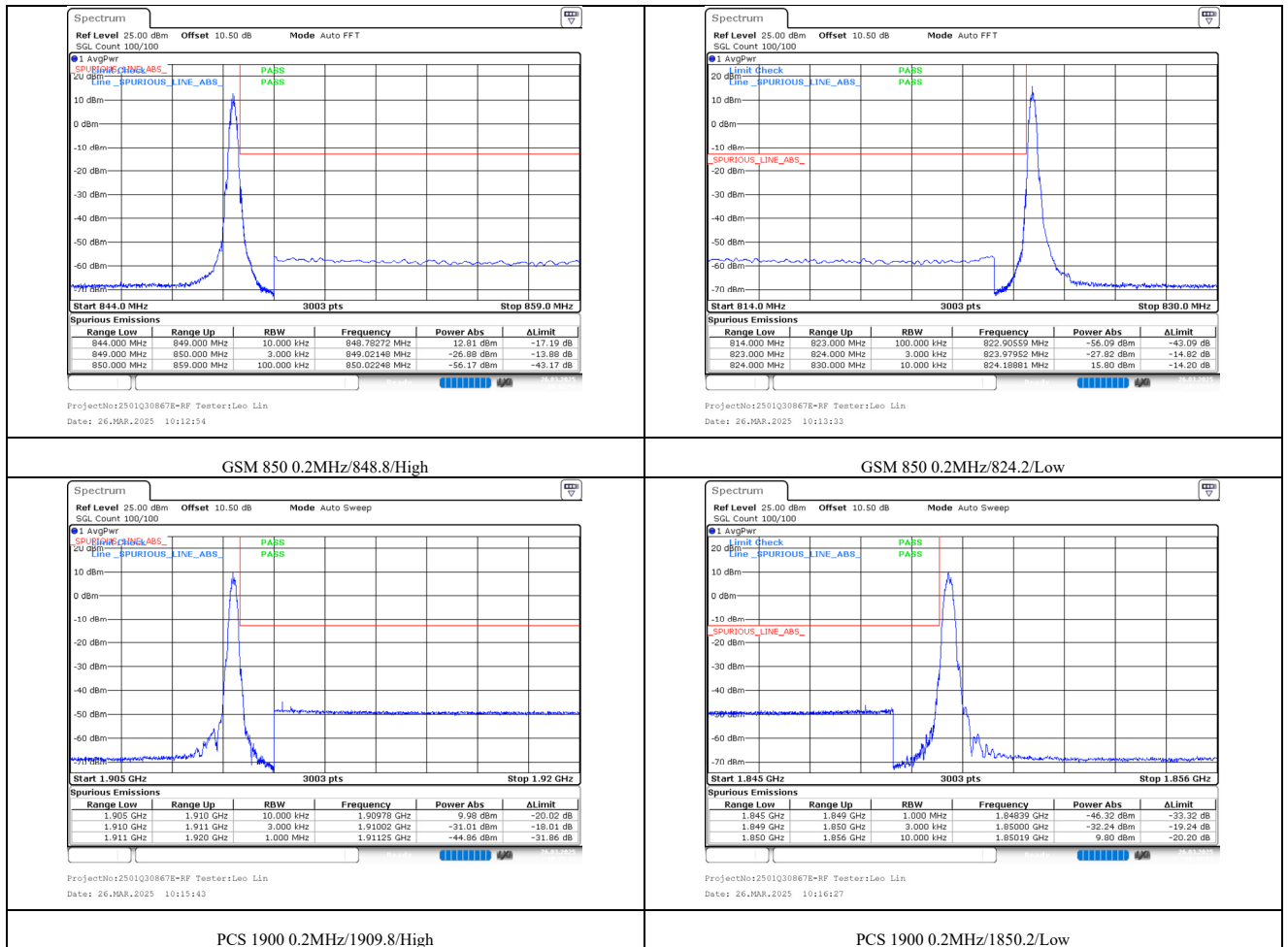


30.0MHz-1000.0MHz
GSM 850 0.2MHz/824.2/Low

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/824.2/Low



Conducted Band Edge



Frequency Stability Error

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	251	848.8	0.81	0.00096	±2.5	PASS	20°C/4.35V
GSM 850	251	848.8	1.59	0.00187	±2.5	PASS	20°C/3.45V
GSM 850	251	848.8	-2.46	-0.00290	±2.5	PASS	50°C/3.80V
GSM 850	251	848.8	1.69	0.00200	±2.5	PASS	40°C/3.80V
GSM 850	251	848.8	-4.64	-0.00547	±2.5	PASS	30°C/3.80V
GSM 850	251	848.8	-6.41	-0.00755	±2.5	PASS	20°C/3.80V
GSM 850	251	848.8	-0.17	-0.00020	±2.5	PASS	10°C/3.80V
GSM 850	251	848.8	-1.94	-0.00229	±2.5	PASS	0°C/3.80V
GSM 850	251	848.8	0.99	0.00117	±2.5	PASS	-10°C/3.80V
GSM 850	251	848.8	-2.37	-0.00279	±2.5	PASS	-20°C/3.80V
GSM 850	251	848.8	-4.72	-0.00556	±2.5	PASS	-30°C/3.80V
GSM 850	190	836.6	-0.44	-0.00053	±2.5	PASS	20°C/3.45V
GSM 850	190	836.6	0.40	0.00048	±2.5	PASS	20°C/4.35V
GSM 850	190	836.6	4.01	0.00480	±2.5	PASS	50°C/3.80V
GSM 850	190	836.6	-1.10	-0.00132	±2.5	PASS	40°C/3.80V
GSM 850	190	836.6	1.50	0.00179	±2.5	PASS	30°C/3.80V
GSM 850	190	836.6	1.53	0.00183	±2.5	PASS	20°C/3.80V
GSM 850	190	836.6	3.65	0.00436	±2.5	PASS	10°C/3.80V
GSM 850	190	836.6	0.36	0.00043	±2.5	PASS	0°C/3.80V
GSM 850	190	836.6	5.46	0.00653	±2.5	PASS	-10°C/3.80V
GSM 850	190	836.6	-1.32	-0.00157	±2.5	PASS	-20°C/3.80V
GSM 850	190	836.6	0.74	0.00088	±2.5	PASS	-30°C/3.80V
GSM 850	128	824.2	6.52	0.00791	±2.5	PASS	20°C/3.45V
GSM 850	128	824.2	-4.04	-0.00490	±2.5	PASS	20°C/4.35V
GSM 850	128	824.2	2.78	0.00338	±2.5	PASS	50°C/3.80V
GSM 850	128	824.2	-3.33	-0.00404	±2.5	PASS	40°C/3.80V
GSM 850	128	824.2	1.32	0.00160	±2.5	PASS	30°C/3.80V
GSM 850	128	824.2	0.72	0.00088	±2.5	PASS	20°C/3.80V
GSM 850	128	824.2	0.14	0.00017	±2.5	PASS	10°C/3.80V
GSM 850	128	824.2	0.37	0.00045	±2.5	PASS	0°C/3.80V
GSM 850	128	824.2	-1.70	-0.00206	±2.5	PASS	-10°C/3.80V
GSM 850	128	824.2	-3.63	-0.00440	±2.5	PASS	-20°C/3.80V
GSM 850	128	824.2	1.40	0.00169	±2.5	PASS	-30°C/3.80V

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	1850.068	1850.000	1909.905	1910.000	20°C/3.45V
PCS 1900	512/810	1850.2/1909.8	1850.118	1850.000	1909.933	1910.000	20°C/4.35V
PCS 1900	512/810	1850.2/1909.8	1850.032	1850.000	1909.979	1910.000	50°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.025	1850.000	1909.899	1910.000	40°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.018	1850.000	1909.991	1910.000	30°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.109	1850.000	1909.918	1910.000	20°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.027	1850.000	1909.861	1910.000	10°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.154	1850.000	1909.982	1910.000	0°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.095	1850.000	1909.861	1910.000	-10°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.183	1850.000	1909.850	1910.000	-20°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.162	1850.000	1909.854	1910.000	-30°C/3.80V

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	31.40	26.15	38.45	PASS
GSM 850	251	3	848.8	GMSK	2 Tx	30.96	25.71	38.45	PASS
GSM 850	251	3	848.8	GMSK	3 Tx	29.61	24.36	38.45	PASS
GSM 850	251	3	848.8	GMSK	4 Tx	28.40	23.15	38.45	PASS
GSM 850	190	3	836.6	GMSK	1 Tx	31.21	25.96	38.45	PASS
GSM 850	190	3	836.6	GMSK	2 Tx	30.81	25.56	38.45	PASS
GSM 850	190	3	836.6	GMSK	3 Tx	29.44	24.19	38.45	PASS
GSM 850	190	3	836.6	GMSK	4 Tx	28.24	22.99	38.45	PASS
GSM 850	128	3	824.2	GMSK	1 Tx	31.21	25.96	38.45	PASS
GSM 850	128	3	824.2	GMSK	2 Tx	30.84	25.59	38.45	PASS
GSM 850	128	3	824.2	GMSK	3 Tx	29.58	24.33	38.45	PASS
GSM 850	128	3	824.2	GMSK	4 Tx	28.31	23.06	38.45	PASS
PCS 1900	810	3	1909.8	GMSK	1 Tx	27.38	24.68	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	2 Tx	27.30	24.60	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	3 Tx	26.37	23.67	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	4 Tx	25.26	22.56	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	1 Tx	27.07	24.37	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	2 Tx	27.03	24.33	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	3 Tx	26.09	23.39	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	4 Tx	24.93	22.23	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	1 Tx	26.95	24.25	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	2 Tx	26.94	24.24	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	3 Tx	26.06	23.36	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	4 Tx	24.88	22.18	33.01	PASS

Note 1: ERP for the GSM850, EIRP for the PCS1900.

Note 2: ERP = Conducted Power(dBm) + Antenna Gain(dBd) - Cable Loss(dB)

Antenna Gain(dBd) = Antenna Gain(dBi) - 2.15;

Note 3: EIRP = Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)

Note 4: Antenna gain is -3.1dBi(GSM850), -2.7dBi(PCS1900); Cable loss=0dB.

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	27.40	22.15	38.45	PASS
GSM 850	251	6	848.8	8PSK	2 Tx	26.24	20.99	38.45	PASS
GSM 850	251	6	848.8	8PSK	3 Tx	24.51	19.26	38.45	PASS
GSM 850	251	6	848.8	8PSK	4 Tx	23.06	17.81	38.45	PASS
GSM 850	190	6	836.6	8PSK	1 Tx	27.54	22.29	38.45	PASS
GSM 850	190	6	836.6	8PSK	2 Tx	26.00	20.75	38.45	PASS
GSM 850	190	6	836.6	8PSK	3 Tx	24.03	18.78	38.45	PASS
GSM 850	190	6	836.6	8PSK	4 Tx	22.21	16.96	38.45	PASS
GSM 850	128	6	824.2	8PSK	1 Tx	27.25	22.00	38.45	PASS
GSM 850	128	6	824.2	8PSK	2 Tx	26.42	21.17	38.45	PASS
GSM 850	128	6	824.2	8PSK	3 Tx	24.37	19.12	38.45	PASS
GSM 850	128	6	824.2	8PSK	4 Tx	22.63	17.38	38.45	PASS
PCS 1900	810	5	1909.8	8PSK	1 Tx	27.25	24.55	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	2 Tx	24.85	22.15	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	3 Tx	23.17	20.47	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	4 Tx	22.27	19.57	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	1 Tx	25.67	22.97	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	2 Tx	25.11	22.41	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	3 Tx	22.91	20.21	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	4 Tx	21.84	19.14	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	1 Tx	25.88	23.18	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	2 Tx	24.59	21.89	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	3 Tx	22.63	19.93	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	4 Tx	21.64	18.94	33.01	PASS

Note 1: ERP for the GSM850, EIRP for the PCS1900.

Note 2: ERP = Conducted Power(dBm) + Antenna Gain(dBd) - Cable Loss(dB)

Antenna Gain(dBd) = Antenna Gain(dBi) - 2.15;

Note 3: EIRP = Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)

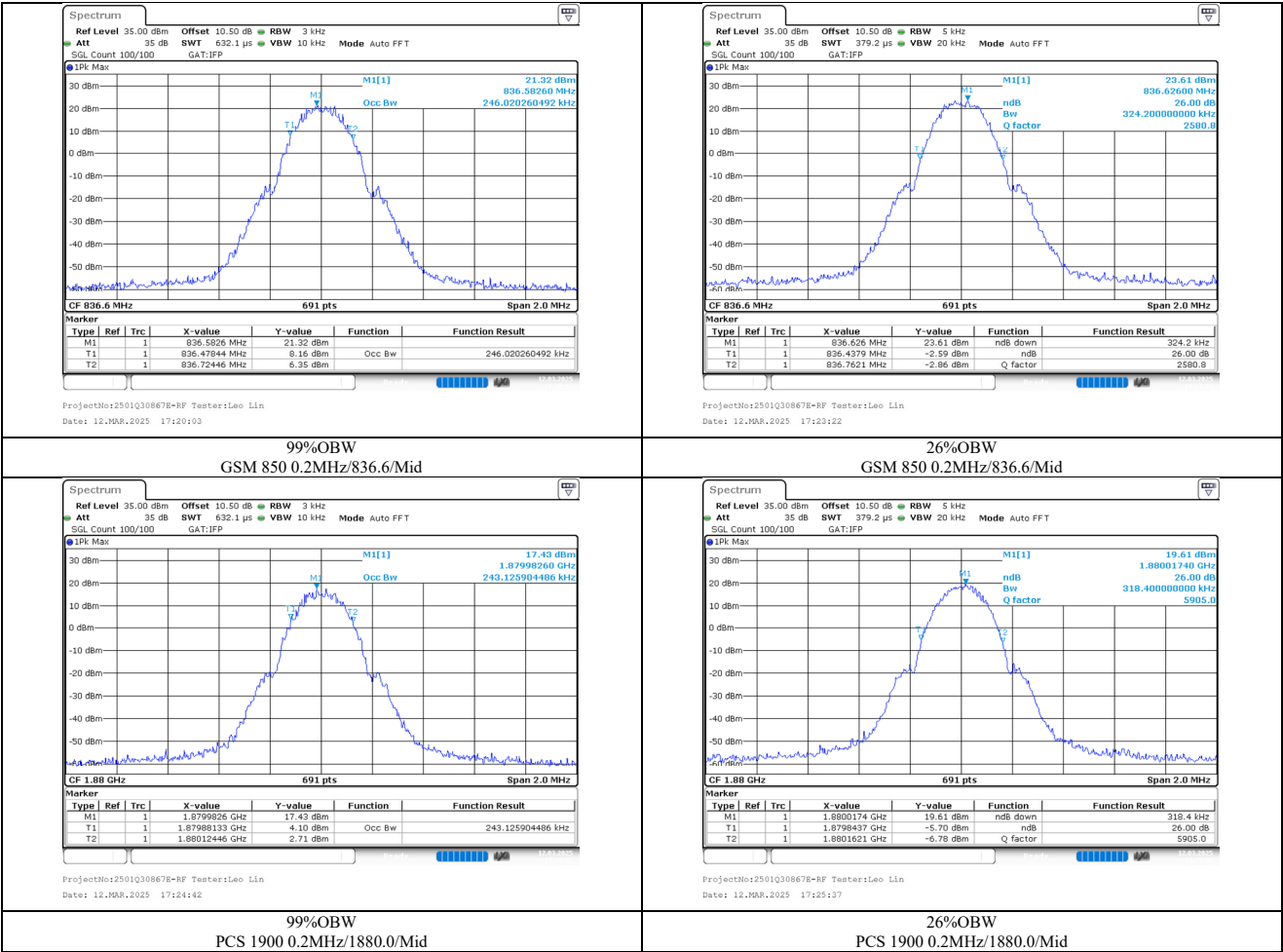
Note 4: Antenna gain is -3.1dBi(GSM850), -2.7dBi(PCS1900); Cable loss=0dB.

Peak to Average Ratio EGPRS

Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	1 Tx	3.22	13	PASS
GSM 850	190	836.6	1 Tx	3.80	13	PASS
GSM 850	128	824.2	1 Tx	3.23	13	PASS
PCS 1900	810	1909.8	1 Tx	3.26	13	PASS
PCS 1900	661	1880.0	1 Tx	3.17	13	PASS
PCS 1900	512	1850.2	1 Tx	3.04	13	PASS

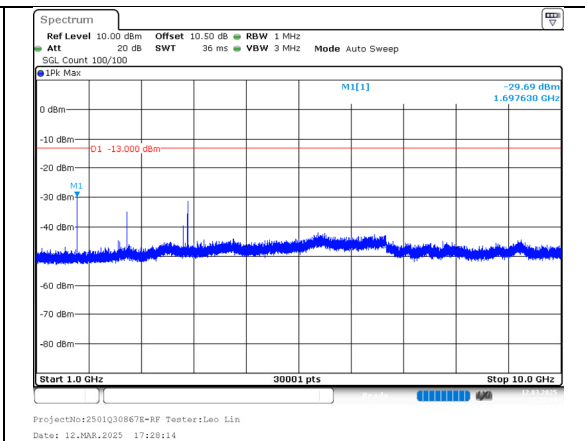
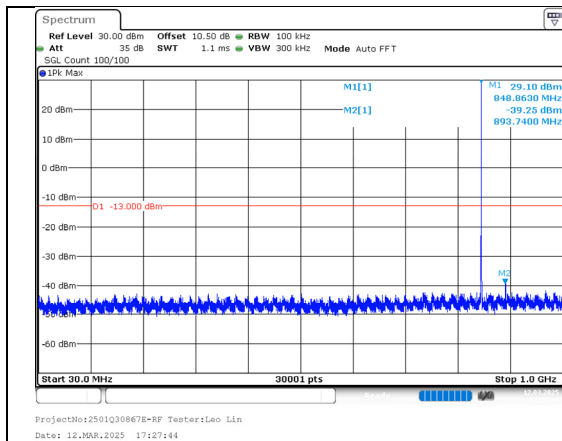
Occupied Bandwidth EGPRS

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	190	836.6	1 Tx	0.24602	0.3242	PASS
PCS 1900	661	1880.0	1 Tx	0.24313	0.3184	PASS

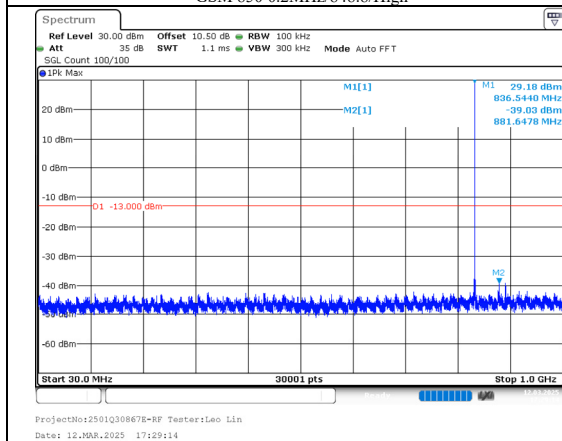


Conducted Spurious Emissions EGPRS

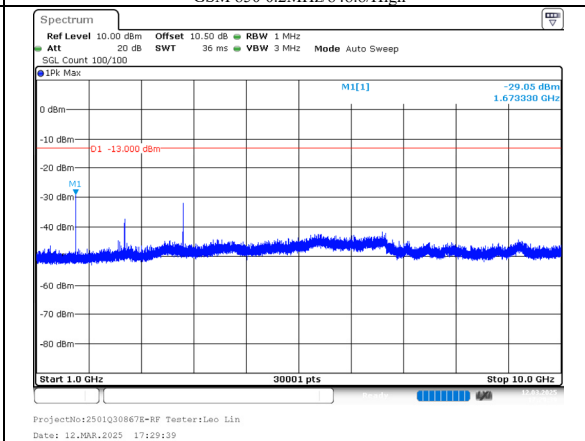
Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Slots	Result (dBm)	Limit (dBm)	Verdict
GSM 850	251	848.8	30.0	1000.0	1 Tx	-39.25	-13	PASS
GSM 850	251	848.8	1000.0	10000.0	1 Tx	-29.69	-13	PASS
GSM 850	190	836.6	30.0	1000.0	1 Tx	-39.03	-13	PASS
GSM 850	190	836.6	1000.0	10000.0	1 Tx	-29.05	-13	PASS
GSM 850	128	824.2	30.0	1000.0	1 Tx	-38.48	-13	PASS
GSM 850	128	824.2	1000.0	10000.0	1 Tx	-28.58	-13	PASS
PCS 1900	810	1909.8	30.0	1000.0	1 Tx	-55.92	-13	PASS
PCS 1900	810	1909.8	1000.0	20000.0	1 Tx	-27.25	-13	PASS
PCS 1900	661	1880.0	30.0	1000.0	1 Tx	-56.46	-13	PASS
PCS 1900	661	1880.0	1000.0	20000.0	1 Tx	-26.69	-13	PASS
PCS 1900	512	1850.2	30.0	1000.0	1 Tx	-55.92	-13	PASS
PCS 1900	512	1850.2	1000.0	20000.0	1 Tx	-26.56	-13	PASS



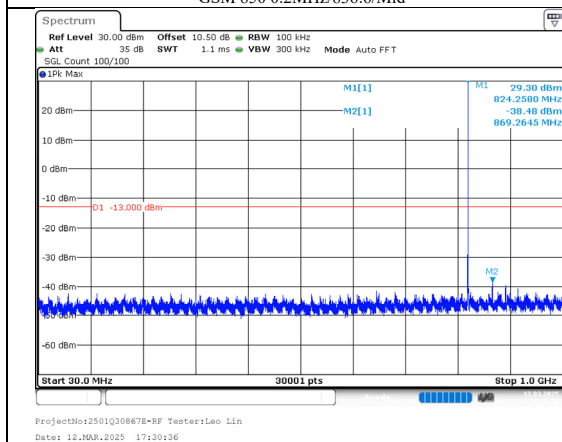
30.0MHz-1000.0MHz
GSM 850 0.2MHz/848.8/High



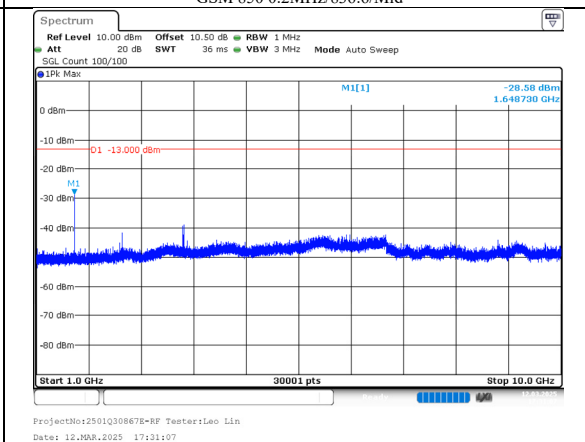
1000.0MHz-10000.0MHz
GSM 850 0.2MHz/848.8/High



30.0MHz-1000.0MHz
GSM 850 0.2MHz/836.6/Mid

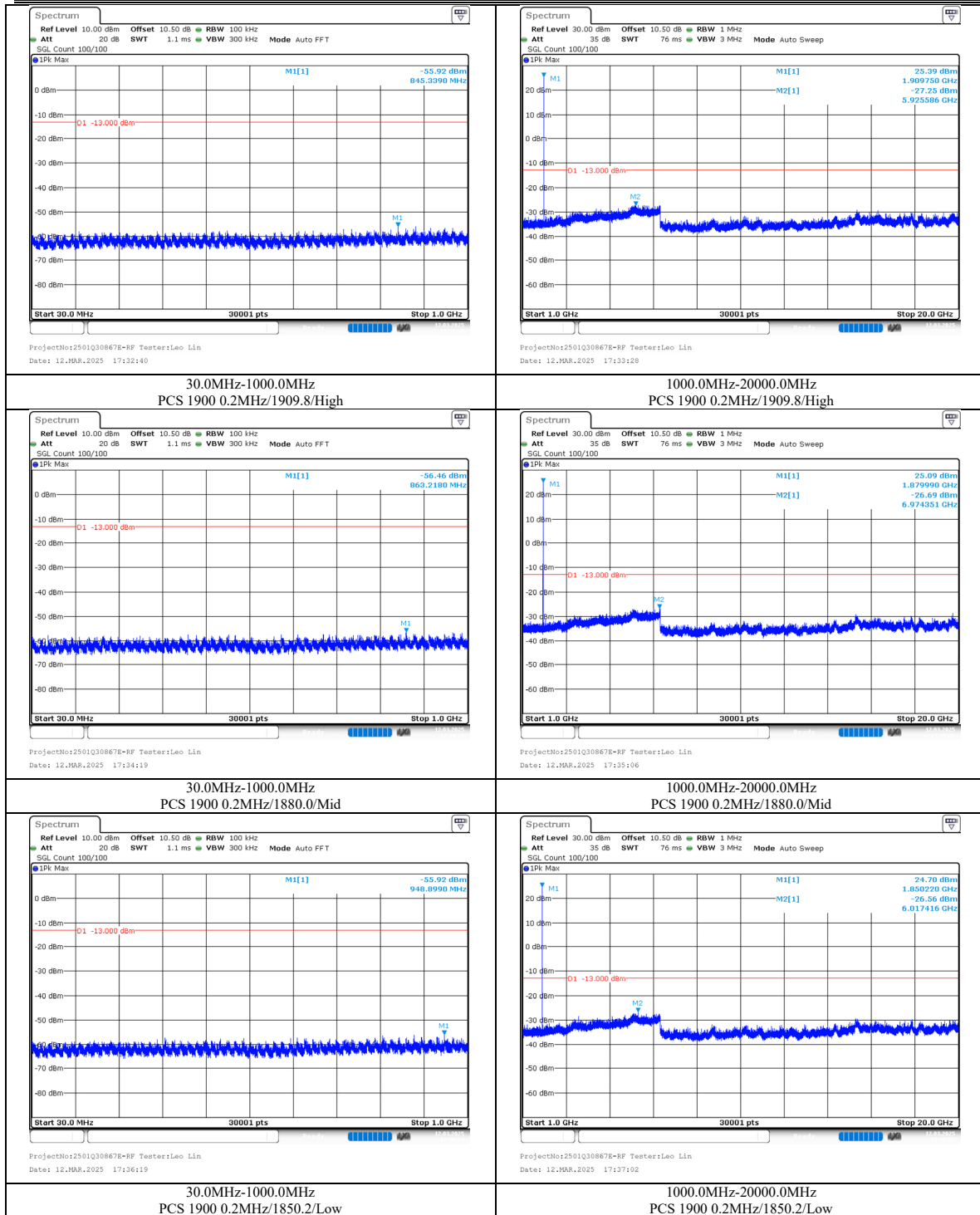


1000.0MHz-10000.0MHz
GSM 850 0.2MHz/836.6/Mid

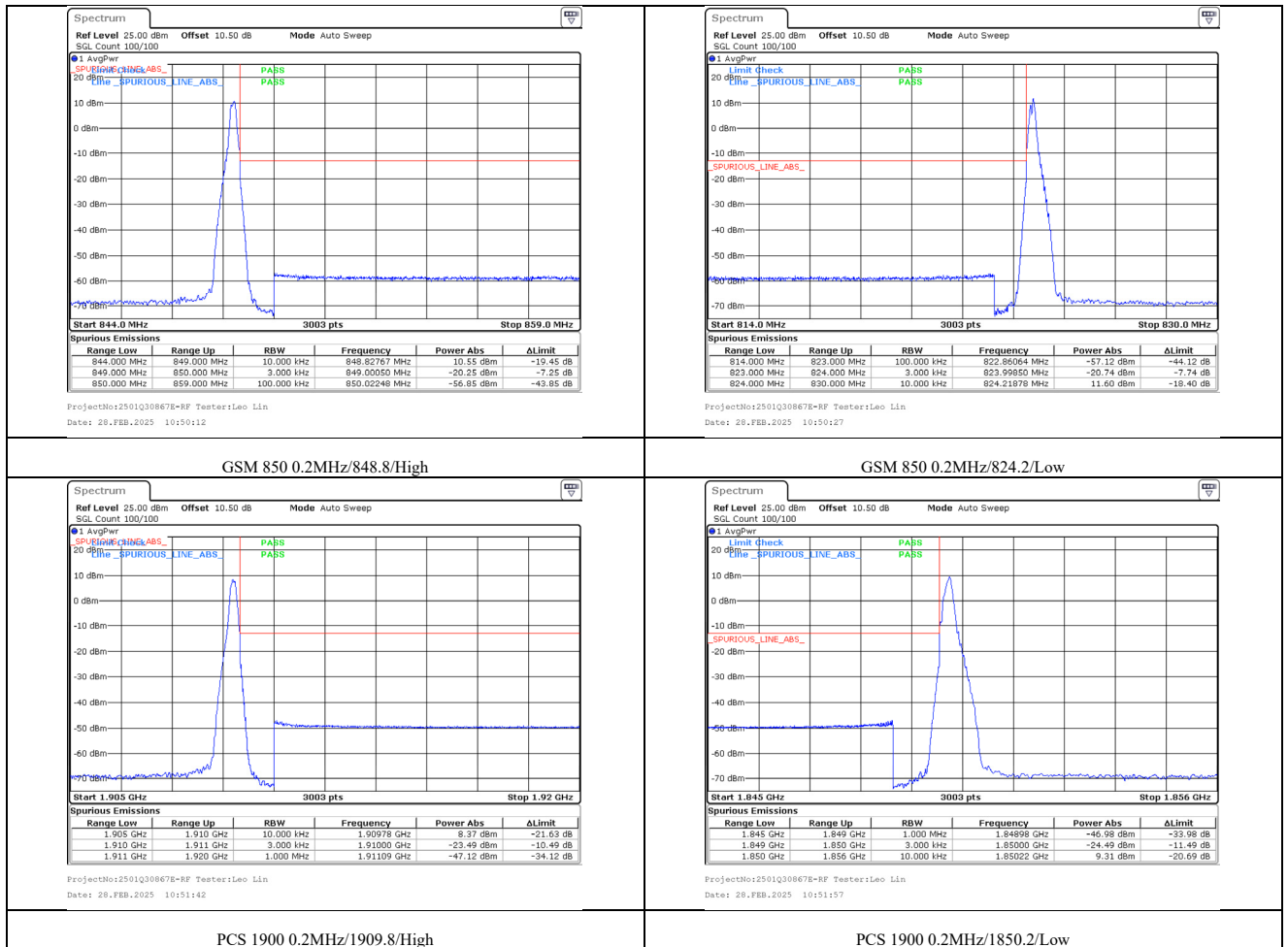


30.0MHz-1000.0MHz
GSM 850 0.2MHz/824.2/Low

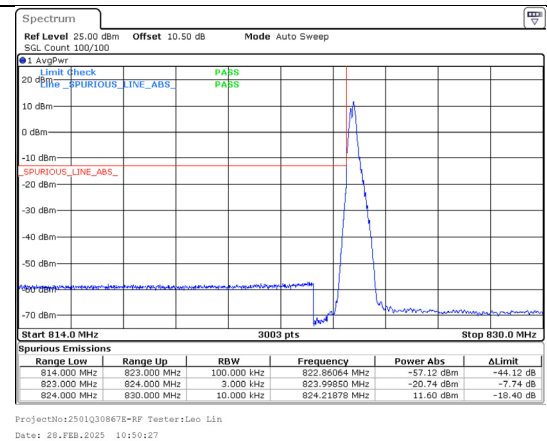
1000.0MHz-10000.0MHz
GSM 850 0.2MHz/824.2/Low



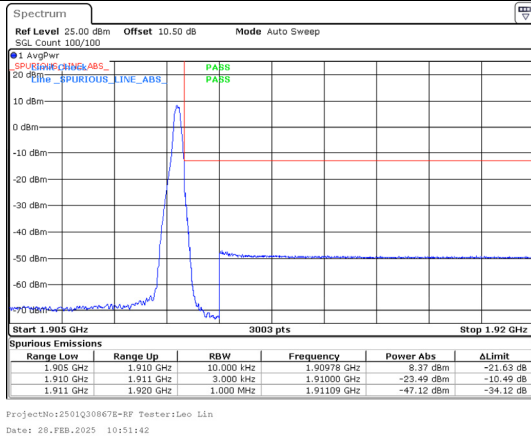
Conducted Band Edge EGPRS



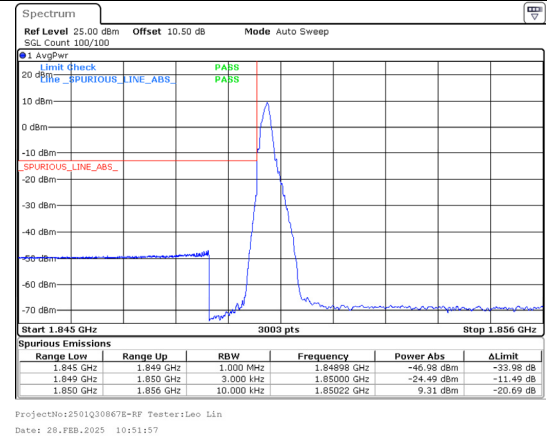
GSM 850 0.2MHz/848.8/High



GSM 850 0.2MHz/824.2/Low



PCS 1900 0.2MHz/1909.8/High



PCS 1900 0.2MHz/1850.2/Low

Frequency Stability Error EGPRS

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	251	848.8	3.04	0.00359	±2.5	PASS	20°C/4.35V
GSM 850	251	848.8	-6.75	-0.00796	±2.5	PASS	20°C/3.45V
GSM 850	251	848.8	1.81	0.00213	±2.5	PASS	50°C/3.80V
GSM 850	251	848.8	-8.12	-0.00956	±2.5	PASS	40°C/3.80V
GSM 850	251	848.8	-2.17	-0.00256	±2.5	PASS	30°C/3.80V
GSM 850	251	848.8	4.27	0.00503	±2.5	PASS	20°C/3.80V
GSM 850	251	848.8	-4.00	-0.00471	±2.5	PASS	10°C/3.80V
GSM 850	251	848.8	6.73	0.00793	±2.5	PASS	0°C/3.80V
GSM 850	251	848.8	3.05	0.00360	±2.5	PASS	-10°C/3.80V
GSM 850	251	848.8	-5.30	-0.00624	±2.5	PASS	-20°C/3.80V
GSM 850	251	848.8	-4.38	-0.00516	±2.5	PASS	-30°C/3.80V
GSM 850	190	836.6	8.80	0.01052	±2.5	PASS	20°C/4.35V
GSM 850	190	836.6	7.90	0.00944	±2.5	PASS	20°C/3.45V
GSM 850	190	836.6	2.91	0.00348	±2.5	PASS	50°C/3.80V
GSM 850	190	836.6	6.65	0.00795	±2.5	PASS	40°C/3.80V
GSM 850	190	836.6	-4.52	-0.00540	±2.5	PASS	30°C/3.80V
GSM 850	190	836.6	-1.83	-0.00219	±2.5	PASS	20°C/3.80V
GSM 850	190	836.6	7.29	0.00871	±2.5	PASS	10°C/3.80V
GSM 850	190	836.6	2.94	0.00351	±2.5	PASS	0°C/3.80V
GSM 850	190	836.6	-9.92	-0.01186	±2.5	PASS	-10°C/3.80V
GSM 850	190	836.6	-1.96	-0.00234	±2.5	PASS	-20°C/3.80V
GSM 850	190	836.6	-0.55	-0.00065	±2.5	PASS	-30°C/3.80V
GSM 850	128	824.2	4.44	0.00539	±2.5	PASS	20°C/4.35V
GSM 850	128	824.2	9.54	0.01158	±2.5	PASS	20°C/3.45V
GSM 850	128	824.2	4.83	0.00586	±2.5	PASS	50°C/3.80V
GSM 850	128	824.2	-6.24	-0.00757	±2.5	PASS	40°C/3.80V
GSM 850	128	824.2	3.28	0.00398	±2.5	PASS	30°C/3.80V
GSM 850	128	824.2	7.93	0.00963	±2.5	PASS	20°C/3.80V
GSM 850	128	824.2	1.23	0.00150	±2.5	PASS	10°C/3.80V
GSM 850	128	824.2	-5.73	-0.00695	±2.5	PASS	0°C/3.80V
GSM 850	128	824.2	7.08	0.00860	±2.5	PASS	-10°C/3.80V
GSM 850	128	824.2	-3.31	-0.00402	±2.5	PASS	-20°C/3.80V
GSM 850	128	824.2	-0.17	-0.00021	±2.5	PASS	-30°C/3.80V

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	1850.049	1850.000	1909.959	1910.000	20°C/3.45V
PCS 1900	512/810	1850.2/1909.8	1850.045	1850.000	1909.999	1910.000	20°C/4.35V
PCS 1900	512/810	1850.2/1909.8	1850.010	1850.000	1909.894	1910.000	50°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.073	1850.000	1909.898	1910.000	40°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.064	1850.000	1909.832	1910.000	30°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.153	1850.000	1909.848	1910.000	20°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.101	1850.000	1909.902	1910.000	10°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.054	1850.000	1909.851	1910.000	0°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.163	1850.000	1909.881	1910.000	-10°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.110	1850.000	1909.994	1910.000	-20°C/3.80V
PCS 1900	512/810	1850.2/1909.8	1850.179	1850.000	1909.864	1910.000	-30°C/3.80V