

Appendix M1

Test Information:

Sample No.:	34AK-1	Test Date:	2025-07-03~2025-09-04
Test Site:	RF	Test Mode:	Transmitting
Tester:	Leo Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.2-25.8	Relative Humidity: (%)	45-58	ATM Pressure: (kPa)	99.8-100.6
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Transmitter Conducted Output Power And ERP/EIRP

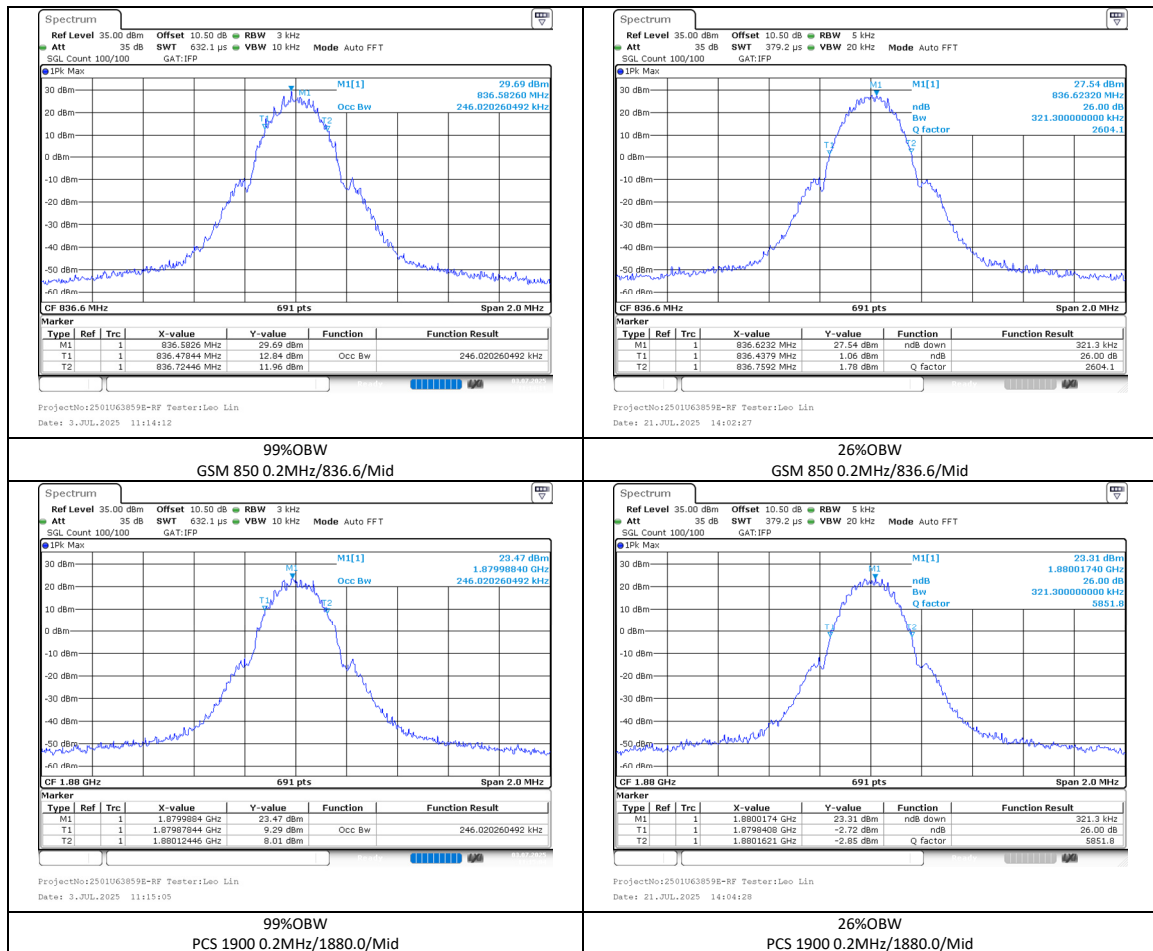
Band	Channel	PCL	Freq (MHz)	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	251	5	848.8	33.55	31.10	38.45	PASS
GSM 850	190	5	836.6	33.54	31.09	38.45	PASS
GSM 850	128	5	824.2	33.37	30.92	38.45	PASS
PCS 1900	810	0	1909.8	29.66	30.16	33.01	PASS
PCS 1900	661	0	1880.0	29.45	29.95	33.01	PASS
PCS 1900	512	0	1850.2	29.23	29.73	33.01	PASS

Peak to Average Ratio

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	2.44	13	PASS
GSM 850	190	836.6	2.42	13	PASS
GSM 850	128	824.2	2.42	13	PASS
PCS 1900	810	1909.8	2.45	13	PASS
PCS 1900	661	1880.0	2.42	13	PASS
PCS 1900	512	1850.2	2.39	13	PASS

Occupied Bandwidth

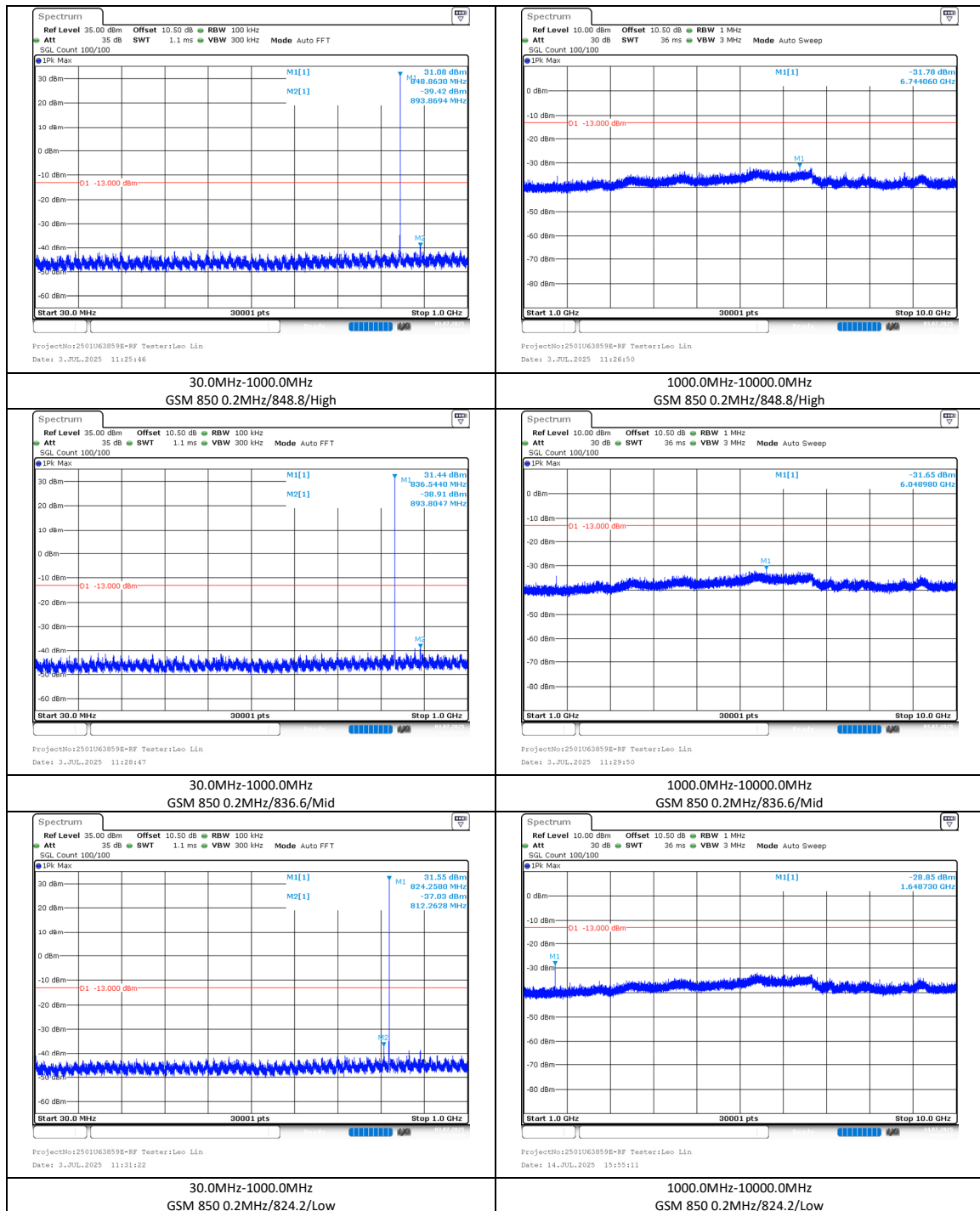
Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	190	836.6	0.24602	0.3213	PASS
PCS 1900	661	1880.0	0.24602	0.3213	PASS

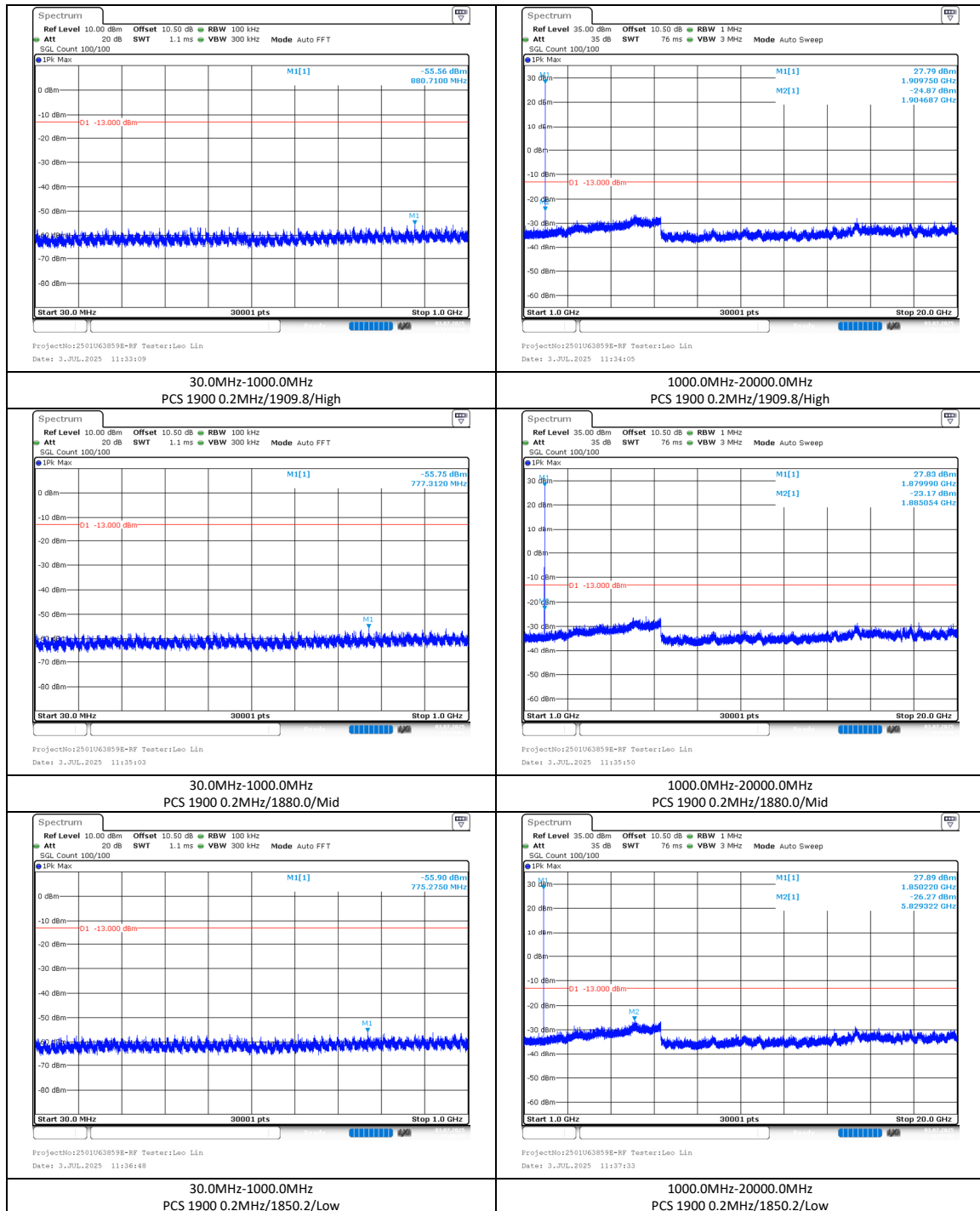


Conducted Spurious Emissions

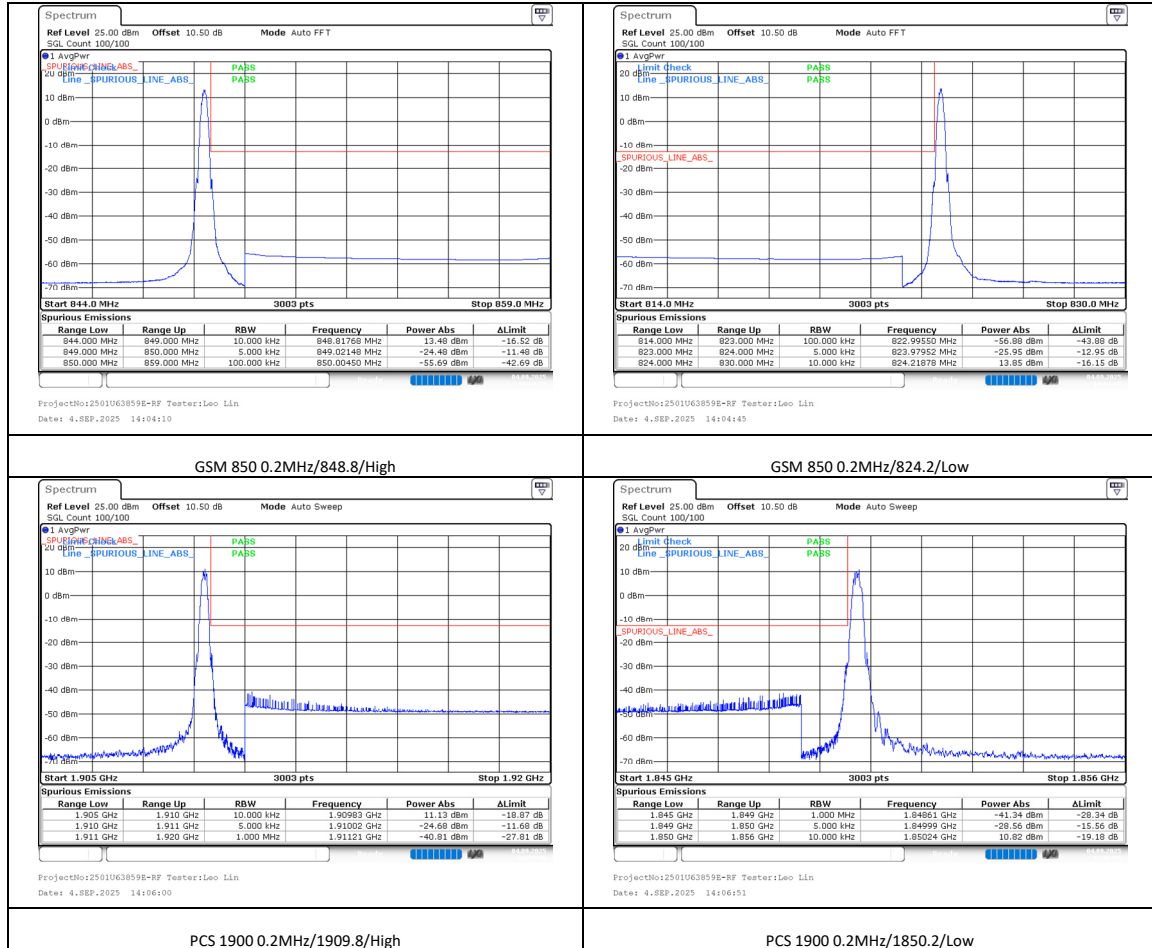
(For PCS1900, 30MHz-1GHz range, the limit has come down $10 \cdot \log(1\text{MHz}/100\text{kHz}) = 10\text{dB}$)

Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM 850	251	848.8	30.0	1000.0	-39.42	-13	PASS
GSM 850	251	848.8	1000.0	10000.0	-31.78	-13	PASS
GSM 850	190	836.6	30.0	1000.0	-38.91	-13	PASS
GSM 850	190	836.6	1000.0	10000.0	-31.65	-13	PASS
GSM 850	128	824.2	30.0	1000.0	-37.03	-13	PASS
GSM 850	128	824.2	1000.0	10000.0	-28.85	-13	PASS
PCS 1900	810	1909.8	30.0	1000.0	-55.56	-23	PASS
PCS 1900	810	1909.8	1000.0	20000.0	-24.87	-13	PASS
PCS 1900	661	1880.0	30.0	1000.0	-55.75	-23	PASS
PCS 1900	661	1880.0	1000.0	20000.0	-23.17	-13	PASS
PCS 1900	512	1850.2	30.0	1000.0	-55.90	-23	PASS
PCS 1900	512	1850.2	1000.0	20000.0	-26.27	-13	PASS





Conducted Band Edge



Frequency Stability Error

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	251	848.8	1.90	0.00224	±2.5	PASS	20°C/4.40V
GSM 850	251	848.8	5.06	0.00596	±2.5	PASS	20°C/3.45V
GSM 850	251	848.8	-6.46	-0.00761	±2.5	PASS	50°C/3.85V
GSM 850	251	848.8	-1.22	-0.00144	±2.5	PASS	40°C/3.85V
GSM 850	251	848.8	-10.62	-0.01251	±2.5	PASS	30°C/3.85V
GSM 850	251	848.8	-8.40	-0.00990	±2.5	PASS	20°C/3.85V
GSM 850	251	848.8	-0.43	-0.00051	±2.5	PASS	10°C/3.85V
GSM 850	251	848.8	-1.49	-0.00176	±2.5	PASS	0°C/3.85V
GSM 850	251	848.8	-1.22	-0.00144	±2.5	PASS	-10°C/3.85V
GSM 850	251	848.8	-4.57	-0.00538	±2.5	PASS	-20°C/3.85V
GSM 850	251	848.8	-0.44	-0.00052	±2.5	PASS	-30°C/3.85V
GSM 850	190	836.6	-1.09	-0.00130	±2.5	PASS	20°C/4.40V
GSM 850	190	836.6	2.20	0.00263	±2.5	PASS	20°C/3.45V
GSM 850	190	836.6	-0.91	-0.00109	±2.5	PASS	50°C/3.85V
GSM 850	190	836.6	0.96	0.00115	±2.5	PASS	40°C/3.85V
GSM 850	190	836.6	1.16	0.00139	±2.5	PASS	30°C/3.85V
GSM 850	190	836.6	4.91	0.00587	±2.5	PASS	20°C/3.85V
GSM 850	190	836.6	6.11	0.00730	±2.5	PASS	10°C/3.85V
GSM 850	190	836.6	-2.42	-0.00289	±2.5	PASS	0°C/3.85V
GSM 850	190	836.6	10.11	0.01208	±2.5	PASS	-10°C/3.85V
GSM 850	190	836.6	-3.32	-0.00397	±2.5	PASS	-20°C/3.85V
GSM 850	190	836.6	3.70	0.00442	±2.5	PASS	-30°C/3.85V
GSM 850	128	824.2	11.60	0.01407	±2.5	PASS	20°C/4.40V
GSM 850	128	824.2	-5.60	-0.00679	±2.5	PASS	20°C/3.45V
GSM 850	128	824.2	2.66	0.00323	±2.5	PASS	50°C/3.85V
GSM 850	128	824.2	-1.92	-0.00233	±2.5	PASS	40°C/3.85V
GSM 850	128	824.2	-0.76	-0.00092	±2.5	PASS	30°C/3.85V
GSM 850	128	824.2	-2.51	-0.00305	±2.5	PASS	20°C/3.85V
GSM 850	128	824.2	3.46	0.00420	±2.5	PASS	10°C/3.85V
GSM 850	128	824.2	1.54	0.00187	±2.5	PASS	0°C/3.85V
GSM 850	128	824.2	1.55	0.00188	±2.5	PASS	-10°C/3.85V
GSM 850	128	824.2	-3.72	-0.00451	±2.5	PASS	-20°C/3.85V
GSM 850	128	824.2	-0.17	-0.00021	±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	1850.055	1850.000	1909.949	1910.000	20°C/4.40V
PCS 1900	512/810	1850.2/1909.8	1850.038	1850.000	1909.965	1910.000	20°C/3.45V
PCS 1900	512/810	1850.2/1909.8	1850.069	1850.000	1909.901	1910.000	50°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.017	1850.000	1909.947	1910.000	40°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.042	1850.000	1909.986	1910.000	30°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.033	1850.000	1909.903	1910.000	20°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.082	1850.000	1909.964	1910.000	10°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.012	1850.000	1909.998	1910.000	0°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.039	1850.000	1909.912	1910.000	-10°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.013	1850.000	1909.977	1910.000	-20°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.062	1850.000	1909.994	1910.000	-30°C/3.85V

Transmitter Conducted Output Power And ERP/EIRP GPRS

Band	Channel	Gamma	Freq (MHz)	Modulation	Slots	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	251	3	848.8	GMSK	1 Tx	32.82	30.37	38.45	PASS
GSM 850	251	3	848.8	GMSK	2 Tx	30.68	28.23	38.45	PASS
GSM 850	251	3	848.8	GMSK	3 Tx	28.78	26.33	38.45	PASS
GSM 850	251	3	848.8	GMSK	4 Tx	26.76	24.31	38.45	PASS
GSM 850	190	3	836.6	GMSK	1 Tx	32.63	30.18	38.45	PASS
GSM 850	190	3	836.6	GMSK	2 Tx	30.56	28.11	38.45	PASS
GSM 850	190	3	836.6	GMSK	3 Tx	28.70	26.25	38.45	PASS
GSM 850	190	3	836.6	GMSK	4 Tx	26.70	24.25	38.45	PASS
GSM 850	128	3	824.2	GMSK	1 Tx	32.50	30.05	38.45	PASS
GSM 850	128	3	824.2	GMSK	2 Tx	30.52	28.07	38.45	PASS
GSM 850	128	3	824.2	GMSK	3 Tx	28.61	26.16	38.45	PASS
GSM 850	128	3	824.2	GMSK	4 Tx	26.62	24.17	38.45	PASS
PCS 1900	810	3	1909.8	GMSK	1 Tx	29.52	30.02	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	2 Tx	26.72	27.22	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	3 Tx	25.28	25.78	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	4 Tx	22.89	23.39	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	1 Tx	29.12	29.62	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	2 Tx	26.67	27.17	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	3 Tx	25.34	25.84	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	4 Tx	23.34	23.84	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	1 Tx	28.81	29.31	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	2 Tx	26.81	27.31	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	3 Tx	25.20	25.70	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	4 Tx	23.22	23.72	33.01	PASS

Peak to Average Ratio GPRS

Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	1 Tx	2.47	13	PASS
GSM 850	190	836.6	1 Tx	2.43	13	PASS
GSM 850	128	824.2	1 Tx	2.45	13	PASS
PCS 1900	810	1909.8	1 Tx	2.44	13	PASS
PCS 1900	661	1880.0	1 Tx	2.39	13	PASS
PCS 1900	512	1850.2	1 Tx	2.41	13	PASS

Transmitter Conducted Output Power And ERP/EIRP EGPRS

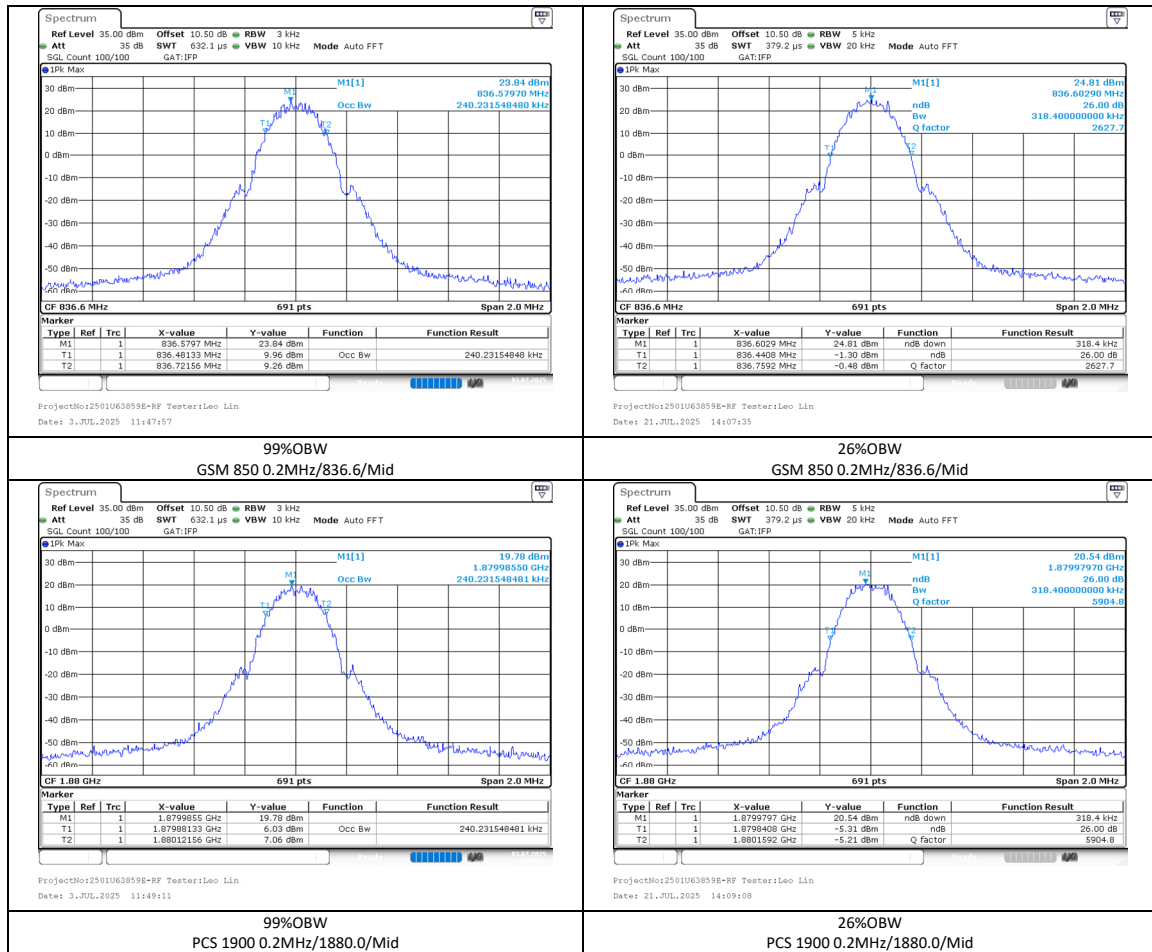
Band	Channel	Gamma	Freq (MHz)	Modulation	Slots	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	251	6	848.8	8PSK	1 Tx	24.38	21.93	38.45	PASS
GSM 850	251	6	848.8	8PSK	2 Tx	23.03	20.58	38.45	PASS
GSM 850	251	6	848.8	8PSK	3 Tx	20.44	17.99	38.45	PASS
GSM 850	251	6	848.8	8PSK	4 Tx	18.30	15.85	38.45	PASS
GSM 850	190	6	836.6	8PSK	1 Tx	25.80	23.35	38.45	PASS
GSM 850	190	6	836.6	8PSK	2 Tx	24.50	22.05	38.45	PASS
GSM 850	190	6	836.6	8PSK	3 Tx	22.68	20.23	38.45	PASS
GSM 850	190	6	836.6	8PSK	4 Tx	19.13	16.68	38.45	PASS
GSM 850	128	6	824.2	8PSK	1 Tx	25.58	23.13	38.45	PASS
GSM 850	128	6	824.2	8PSK	2 Tx	23.97	21.52	38.45	PASS
GSM 850	128	6	824.2	8PSK	3 Tx	21.43	18.98	38.45	PASS
GSM 850	128	6	824.2	8PSK	4 Tx	18.96	16.51	38.45	PASS
PCS 1900	810	5	1909.8	8PSK	1 Tx	25.52	26.02	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	2 Tx	23.56	24.06	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	3 Tx	20.51	21.01	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	4 Tx	18.95	19.45	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	1 Tx	25.76	26.26	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	2 Tx	23.22	23.72	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	3 Tx	20.77	21.27	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	4 Tx	18.57	19.07	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	1 Tx	25.75	26.25	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	2 Tx	23.92	24.42	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	3 Tx	20.77	21.27	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	4 Tx	18.48	18.98	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	2.61	13	PASS
GSM 850	190	836.6	1 Tx	2.55	13	PASS
GSM 850	128	824.2	1 Tx	2.55	13	PASS
PCS 1900	810	1909.8	1 Tx	2.41	13	PASS
PCS 1900	661	1880.0	1 Tx	2.55	13	PASS
PCS 1900	512	1850.2	1 Tx	2.17	13	PASS

Occupied Bandwidth EGPRS

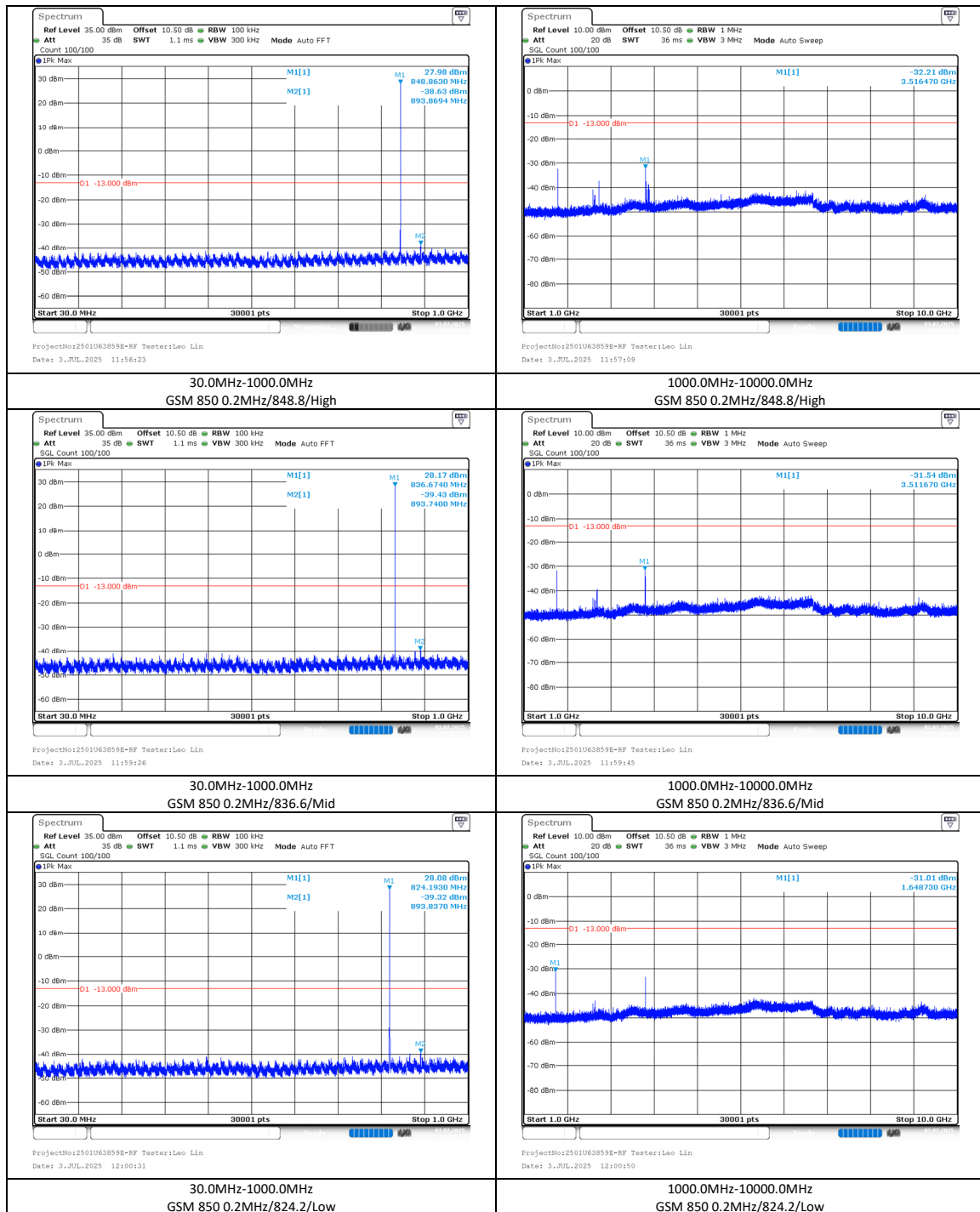
Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	190	836.6	1 Tx	0.24023	0.3184	PASS
PCS 1900	661	1880.0	1 Tx	0.24023	0.3184	PASS

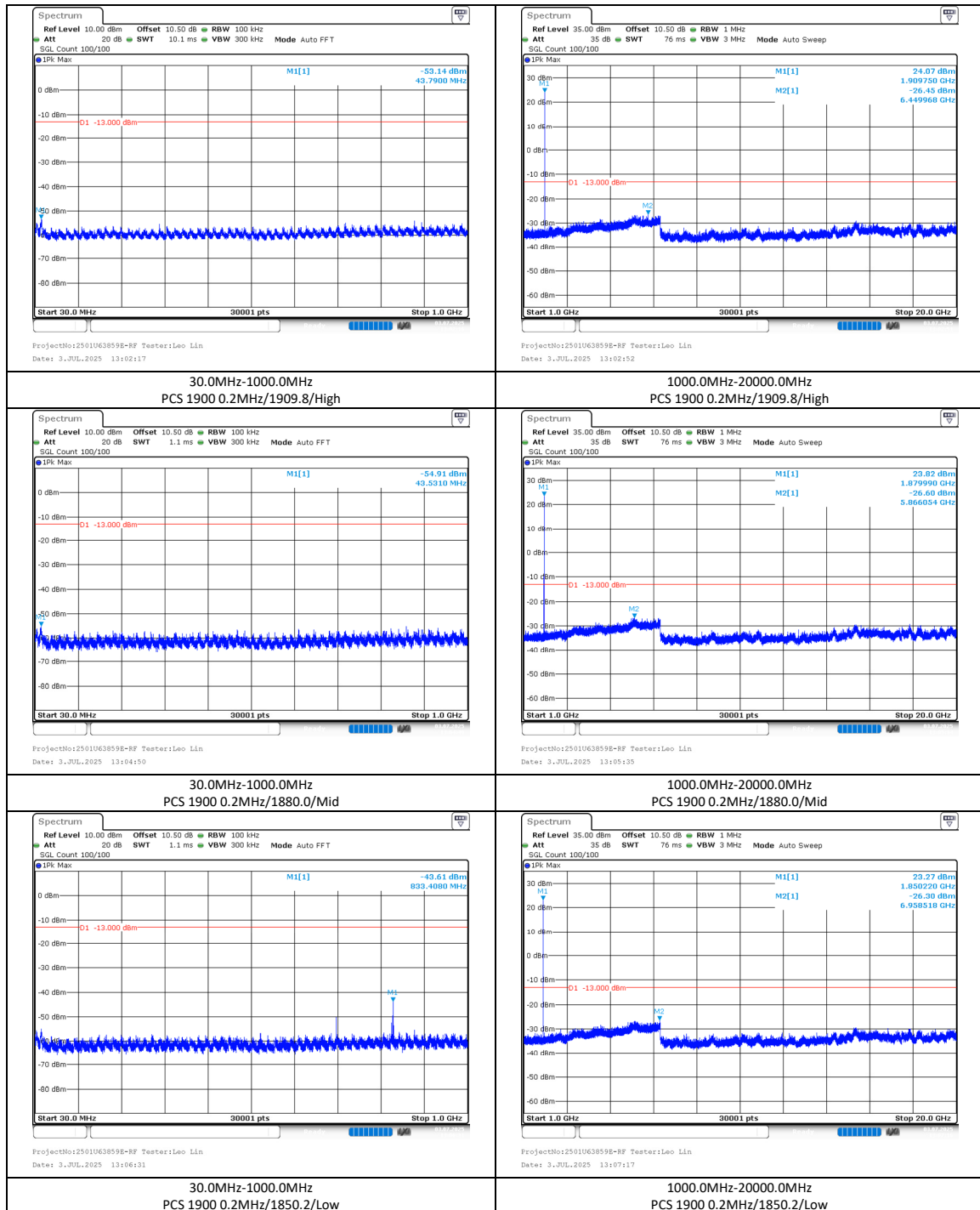


Conducted Spurious Emissions EGPRS

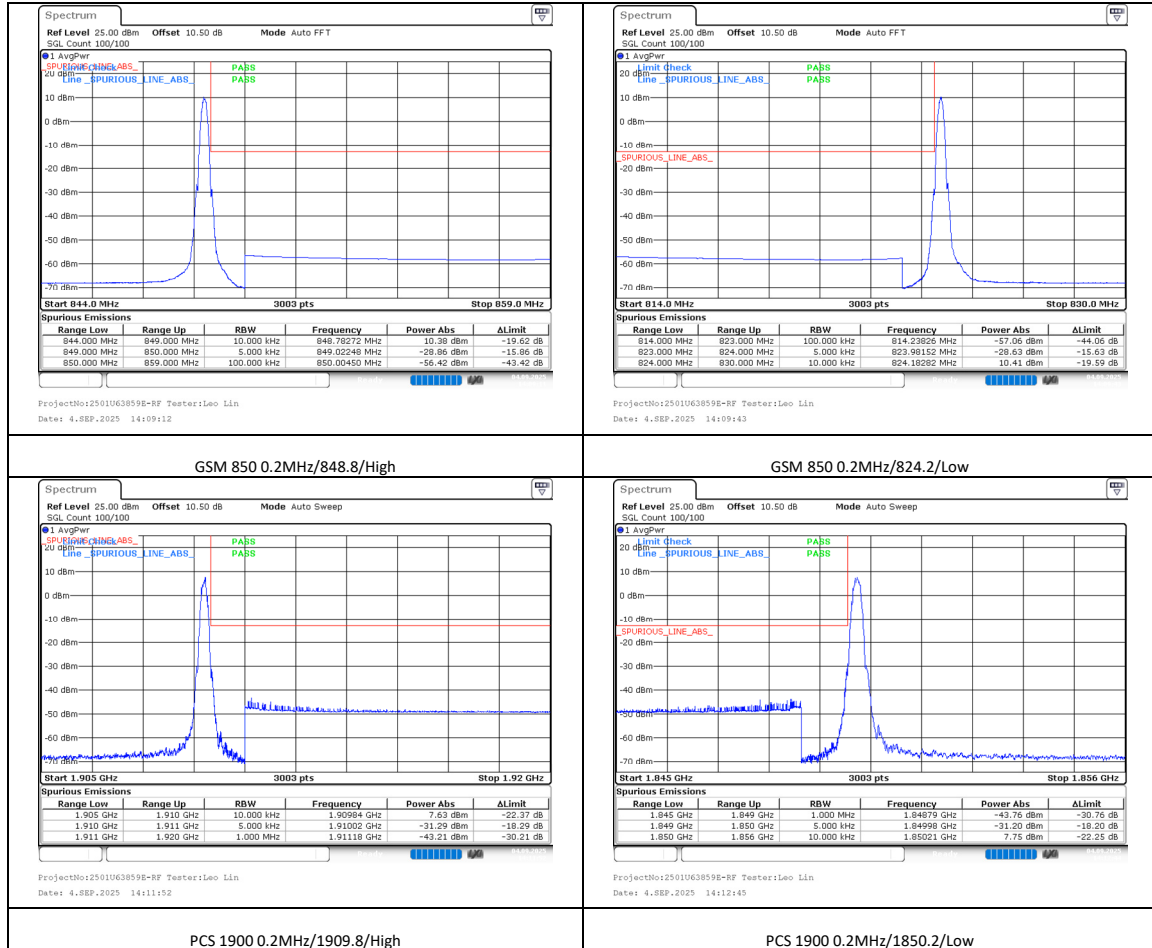
(For PCS1900, 30MHz-1GHz range, the limit has come down $10*\log(1\text{MHz}/100\text{kHz})=10\text{dB}$)

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	-38.63	-13	PASS
GSM 850	251	848.8	1000.0	10000.0	1 Tx	-32.21	-13	PASS
GSM 850	190	836.6	30.0	1000.0	1 Tx	-39.43	-13	PASS
GSM 850	190	836.6	1000.0	10000.0	1 Tx	-31.54	-13	PASS
GSM 850	128	824.2	30.0	1000.0	1 Tx	-39.32	-13	PASS
GSM 850	128	824.2	1000.0	10000.0	1 Tx	-31.01	-13	PASS
PCS 1900	810	1909.8	30.0	1000.0	1 Tx	-53.14	-23	PASS
PCS 1900	810	1909.8	1000.0	20000.0	1 Tx	-26.45	-13	PASS
PCS 1900	661	1880.0	30.0	1000.0	1 Tx	-54.91	-23	PASS
PCS 1900	661	1880.0	1000.0	20000.0	1 Tx	-26.6	-13	PASS
PCS 1900	512	1850.2	30.0	1000.0	1 Tx	-43.61	-23	PASS
PCS 1900	512	1850.2	1000.0	20000.0	1 Tx	-26.3	-13	PASS





Conducted Band Edge EGPRS



Frequency Stability Error EGPRS

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	251	848.8	2.28	0.00269	±2.5	PASS	20°C/4.40V
GSM 850	251	848.8	0.77	0.00091	±2.5	PASS	20°C/3.45V
GSM 850	251	848.8	-2.32	-0.00273	±2.5	PASS	50°C/3.85V
GSM 850	251	848.8	7.07	0.00833	±2.5	PASS	40°C/3.85V
GSM 850	251	848.8	-6.84	-0.00806	±2.5	PASS	30°C/3.85V
GSM 850	251	848.8	-10.38	-0.01223	±2.5	PASS	20°C/3.85V
GSM 850	251	848.8	1.76	0.00207	±2.5	PASS	10°C/3.85V
GSM 850	251	848.8	-3.39	-0.00399	±2.5	PASS	0°C/3.85V
GSM 850	251	848.8	3.38	0.00398	±2.5	PASS	-10°C/3.85V
GSM 850	251	848.8	-5.78	-0.00681	±2.5	PASS	-20°C/3.85V
GSM 850	251	848.8	-1.69	-0.00199	±2.5	PASS	-30°C/3.85V
GSM 850	190	836.6	1.00	0.00120	±2.5	PASS	20°C/4.40V
GSM 850	190	836.6	1.50	0.00179	±2.5	PASS	20°C/3.45V
GSM 850	190	836.6	-1.20	-0.00143	±2.5	PASS	50°C/3.85V
GSM 850	190	836.6	-2.67	-0.00319	±2.5	PASS	40°C/3.85V
GSM 850	190	836.6	-0.02	-0.00002	±2.5	PASS	30°C/3.85V
GSM 850	190	836.6	5.01	0.00599	±2.5	PASS	20°C/3.85V
GSM 850	190	836.6	2.30	0.00275	±2.5	PASS	10°C/3.85V
GSM 850	190	836.6	-1.53	-0.00183	±2.5	PASS	0°C/3.85V
GSM 850	190	836.6	9.89	0.01182	±2.5	PASS	-10°C/3.85V
GSM 850	190	836.6	-3.25	-0.00388	±2.5	PASS	-20°C/3.85V
GSM 850	190	836.6	2.45	0.00293	±2.5	PASS	-30°C/3.85V
GSM 850	128	824.2	10.45	0.01268	±2.5	PASS	20°C/4.40V
GSM 850	128	824.2	-1.57	-0.00190	±2.5	PASS	20°C/3.45V
GSM 850	128	824.2	9.25	0.01122	±2.5	PASS	50°C/3.85V
GSM 850	128	824.2	-2.21	-0.00268	±2.5	PASS	40°C/3.85V
GSM 850	128	824.2	3.45	0.00419	±2.5	PASS	30°C/3.85V
GSM 850	128	824.2	-3.77	-0.00457	±2.5	PASS	20°C/3.85V
GSM 850	128	824.2	3.73	0.00453	±2.5	PASS	10°C/3.85V
GSM 850	128	824.2	-1.15	-0.00140	±2.5	PASS	0°C/3.85V
GSM 850	128	824.2	0.61	0.00074	±2.5	PASS	-10°C/3.85V
GSM 850	128	824.2	-2.77	-0.00336	±2.5	PASS	-20°C/3.85V
GSM 850	128	824.2	3.57	0.00433	±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	1850.052	1850.000	1909.968	1910.000	20°C/4.40V
PCS 1900	512/810	1850.2/1909.8	1850.047	1850.000	1909.968	1910.000	20°C/3.45V
PCS 1900	512/810	1850.2/1909.8	1850.002	1850.000	1909.992	1910.000	50°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.069	1850.000	1909.958	1910.000	40°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.042	1850.000	1909.975	1910.000	30°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.040	1850.000	1909.983	1910.000	20°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.076	1850.000	1909.952	1910.000	10°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.035	1850.000	1909.978	1910.000	0°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.048	1850.000	1909.954	1910.000	-10°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.041	1850.000	1909.964	1910.000	-20°C/3.85V
PCS 1900	512/810	1850.2/1909.8	1850.044	1850.000	1909.996	1910.000	-30°C/3.85V