

Appendix A Conduction Data for GSM

1.Transmitter Conducted Output Power And ERP/EIRP

Test Result

Band	Channel	Freq (MHz)	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	128	824.2	32.73	25.42	0.3483	38.45	PASS
GSM 850	190	836.6	32.8	25.49	0.354	38.45	PASS
GSM 850	251	848.8	32.78	25.47	0.3524	38.45	PASS
PCS 1900	512	1850.2	29.08	26.85	0.4842	33	PASS
PCS 1900	661	1880.0	28.81	26.58	0.455	33	PASS
PCS 1900	810	1909.8	28.83	26.6	0.4571	33	PASS

1-1.Transmitter Conducted Output Power And ERP/EIRP GPRS

Test Result

Band	Channel	Freq (MHz)	Modulation	Slots	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	128	824.2	GMSK	1 Tx	32.88	25.57	0.3606	38.45	PASS
GSM 850	128	824.2	GMSK	2 Tx	32.89	25.58	0.3614	38.45	PASS
GSM 850	128	824.2	GMSK	3 Tx	28.41	21.1	0.1288	38.45	PASS
GSM 850	128	824.2	GMSK	4 Tx	26.18	18.87	0.0771	38.45	PASS
GSM 850	190	836.6	GMSK	1 Tx	12.89	5.58	0.0036	38.45	PASS
GSM 850	190	836.6	GMSK	2 Tx	30.54	23.23	0.2104	38.45	PASS
GSM 850	190	836.6	GMSK	3 Tx	28.49	21.18	0.1312	38.45	PASS
GSM 850	190	836.6	GMSK	4 Tx	26.16	18.85	0.0767	38.45	PASS
GSM 850	251	848.8	GMSK	1 Tx	32.94	25.63	0.3656	38.45	PASS
GSM 850	251	848.8	GMSK	2 Tx	30.5	23.19	0.2084	38.45	PASS
GSM 850	251	848.8	GMSK	3 Tx	33.07	25.76	0.3767	38.45	PASS
GSM 850	251	848.8	GMSK	4 Tx	26.16	18.85	0.0767	38.45	PASS
PCS 1900	512	1850.2	GMSK	1 Tx	28.67	26.44	0.4406	33	PASS
PCS 1900	512	1850.2	GMSK	2 Tx	26.37	24.14	0.2594	33	PASS
PCS 1900	512	1850.2	GMSK	3 Tx	24.8	22.57	0.1807	33	PASS
PCS 1900	512	1850.2	GMSK	4 Tx	28.84	26.61	0.4581	33	PASS
PCS 1900	661	1880.0	GMSK	1 Tx	28.51	26.28	0.4246	33	PASS
PCS 1900	661	1880.0	GMSK	2 Tx	25.82	23.59	0.2286	33	PASS
PCS 1900	661	1880.0	GMSK	3 Tx	24.23	22.0	0.1585	33	PASS
PCS 1900	661	1880.0	GMSK	4 Tx	22.02	19.79	0.0953	33	PASS
PCS 1900	810	1909.8	GMSK	1 Tx	28.59	26.36	0.4325	33	PASS
PCS 1900	810	1909.8	GMSK	2 Tx	28.5	26.27	0.4236	33	PASS
PCS 1900	810	1909.8	GMSK	3 Tx	28.4	26.17	0.414	33	PASS
PCS 1900	810	1909.8	GMSK	4 Tx	28.74	26.51	0.4477	33	PASS

1-2.Transmitter Conducted Output Power And ERP/EIRP EGPRS

Test Result

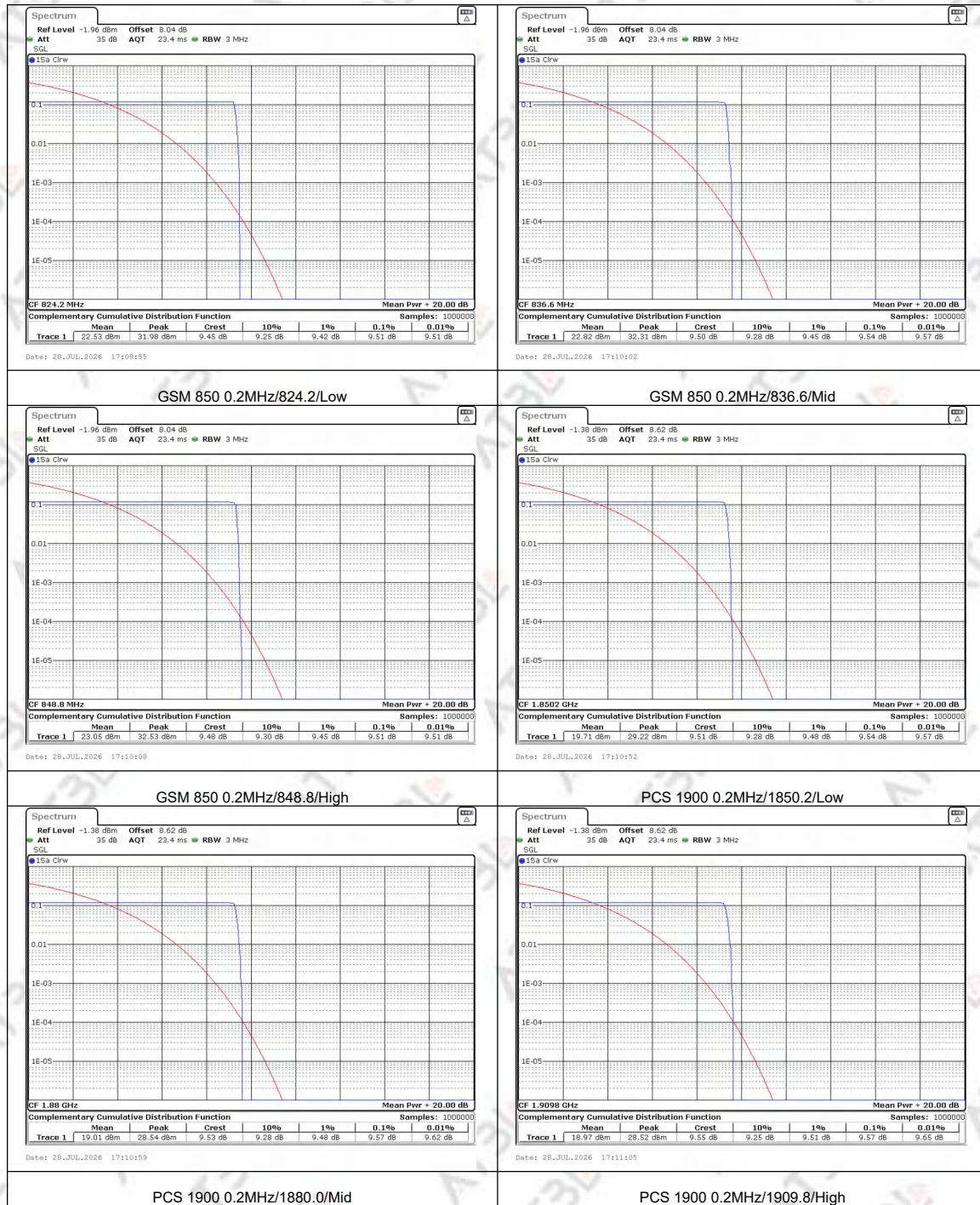
Band	Channel	Freq (MHz)	Modulation	Slots	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	128	824.2	GMSK	1 Tx	32.29	24.98	0.3148	38.45	PASS
GSM 850	128	824.2	GMSK	2 Tx	31.06	23.75	0.2367	38.45	PASS
GSM 850	128	824.2	GMSK	3 Tx	28.73	21.42	0.1387	38.45	PASS
GSM 850	128	824.2	GMSK	4 Tx	27.43	20.12	0.1028	38.45	PASS
GSM 850	190	836.6	GMSK	1 Tx	31.13	23.82	0.2410	38.45	PASS
GSM 850	190	836.6	GMSK	2 Tx	29.87	22.56	0.1803	38.45	PASS
GSM 850	190	836.6	GMSK	3 Tx	27.43	20.12	0.1028	38.45	PASS
GSM 850	190	836.6	GMSK	4 Tx	25.99	18.68	0.0738	38.45	PASS
GSM 850	251	848.8	GMSK	1 Tx	31.78	24.47	0.2799	38.45	PASS
GSM 850	251	848.8	GMSK	2 Tx	30.51	23.2	0.2089	38.45	PASS
GSM 850	251	848.8	GMSK	3 Tx	28.13	20.82	0.1208	38.45	PASS
GSM 850	251	848.8	GMSK	4 Tx	26.77	19.46	0.0883	38.45	PASS
PCS 1900	512	1850.2	GMSK	1 Tx	25.99	23.76	0.2377	33	PASS
PCS 1900	512	1850.2	GMSK	2 Tx	24.29	22.06	0.1606	33	PASS
PCS 1900	512	1850.2	GMSK	3 Tx	23.12	20.89	0.1227	33	PASS
PCS 1900	512	1850.2	GMSK	4 Tx	21.41	19.18	0.0828	33	PASS
PCS 1900	661	1880.0	GMSK	1 Tx	25.13	22.9	0.1950	33	PASS
PCS 1900	661	1880.0	GMSK	2 Tx	24.37	22.14	0.1637	33	PASS
PCS 1900	661	1880.0	GMSK	3 Tx	21.47	19.24	0.0839	33	PASS
PCS 1900	661	1880.0	GMSK	4 Tx	20.51	18.28	0.0673	33	PASS
PCS 1900	810	1909.8	GMSK	1 Tx	25.67	23.44	0.2208	33	PASS
PCS 1900	810	1909.8	GMSK	2 Tx	24.46	22.23	0.1671	33	PASS
PCS 1900	810	1909.8	GMSK	3 Tx	21.78	19.55	0.0902	33	PASS
PCS 1900	810	1909.8	GMSK	4 Tx	21.39	19.16	0.0824	33	PASS

2. Peak to Average Ratio

Test Result

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	128	824.2	9.51	13	PASS
GSM 850	190	836.6	9.54	13	PASS
GSM 850	251	848.8	9.51	13	PASS
PCS 1900	512	1850.2	9.54	13	PASS
PCS 1900	661	1880.0	9.57	13	PASS
PCS 1900	810	1909.8	9.57	13	PASS

Test Graphs

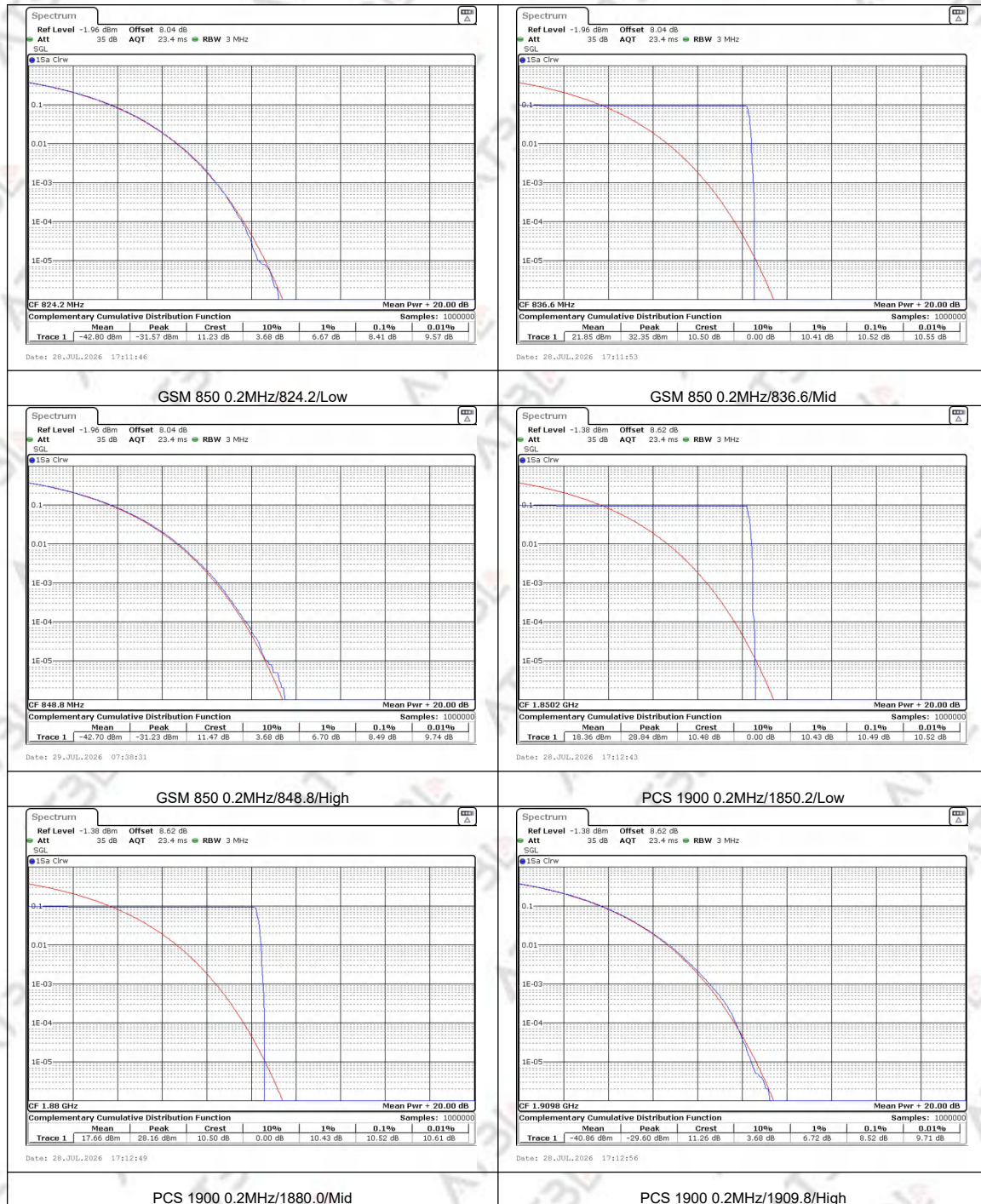


2-1. Peak to Average Ratio GPRS

Test Result

Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	128	824.2	1 Tx	8.41	13	PASS
GSM 850	190	836.6	1 Tx	10.52	13	PASS
GSM 850	251	848.8	1 Tx	8.49	13	PASS
PCS 1900	512	1850.2	1 Tx	10.49	13	PASS
PCS 1900	661	1880.0	1 Tx	10.52	13	PASS
PCS 1900	810	1909.8	1 Tx	8.52	13	PASS

Test Graphs



PCS 1900 0.2MHz/1880.0/Mid

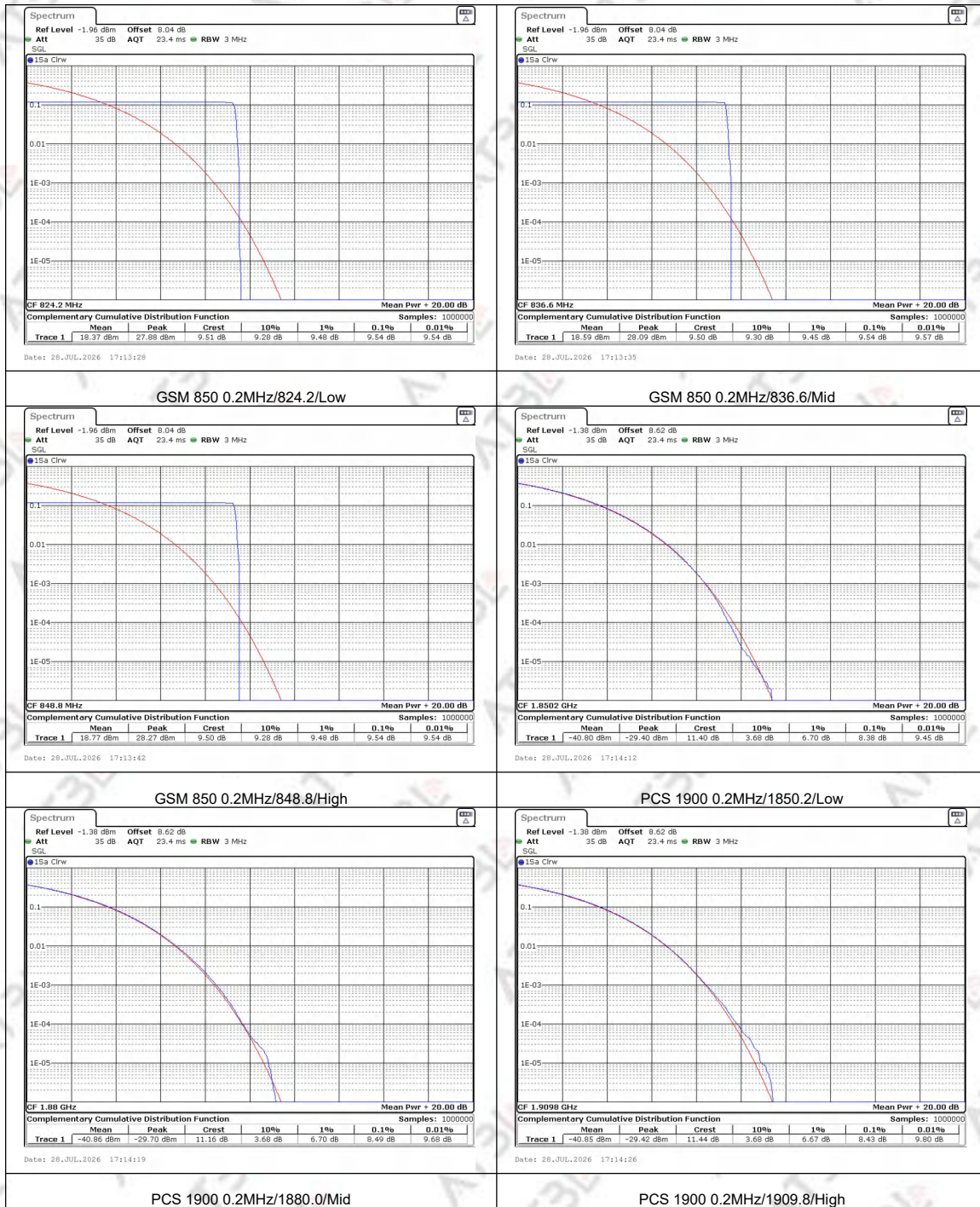
PCS 1900 0.2MHz/1909.8/High

2-2.Peak to Average Ratio EGPRS

Test Result

Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	128	824.2	1 Tx	9.54	13	PASS
GSM 850	190	836.6	1 Tx	9.54	13	PASS
GSM 850	251	848.8	1 Tx	9.54	13	PASS
PCS 1900	512	1850.2	1 Tx	8.38	13	PASS
PCS 1900	661	1880.0	1 Tx	8.49	13	PASS
PCS 1900	810	1909.8	1 Tx	8.43	13	PASS

Test Graphs

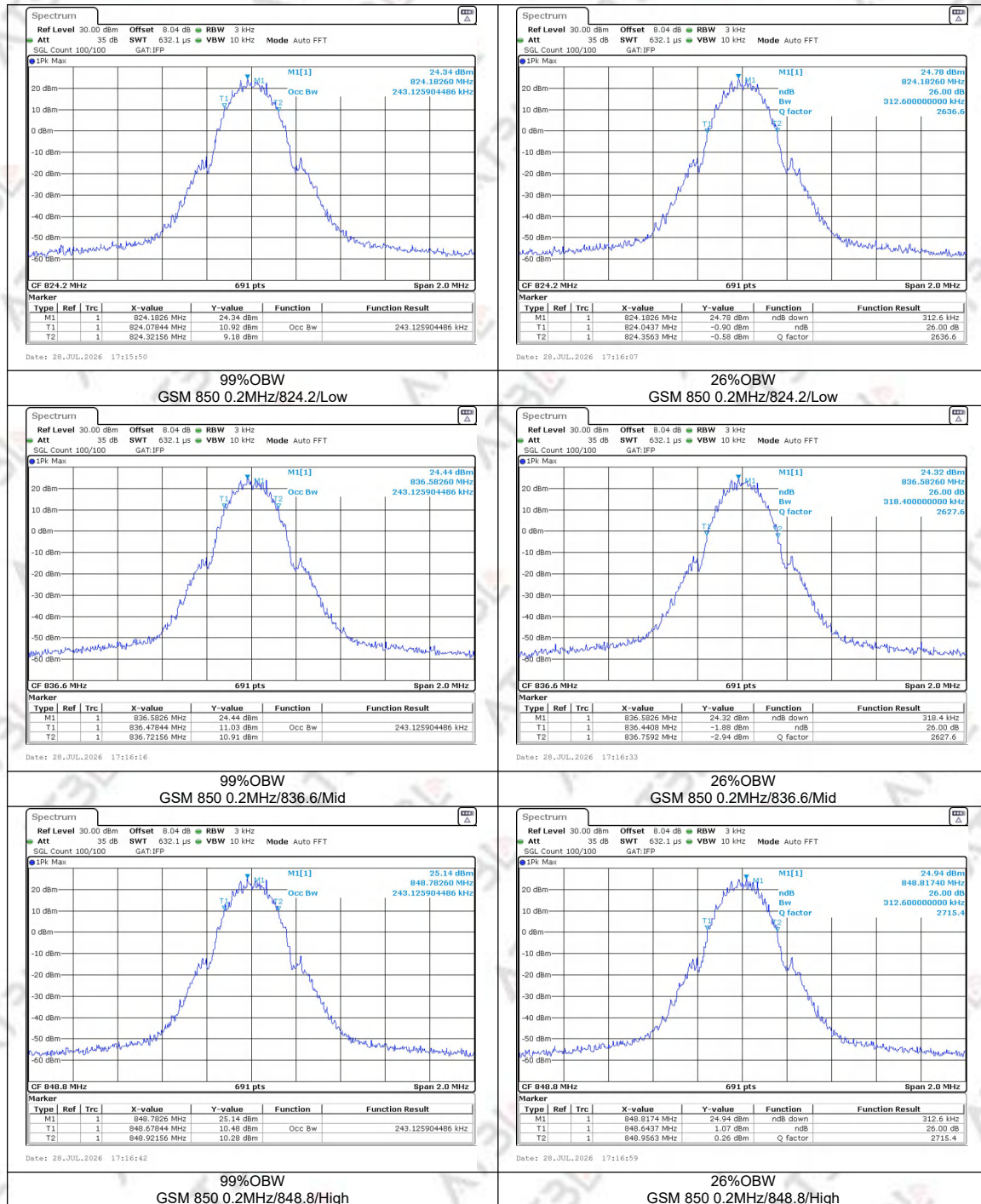


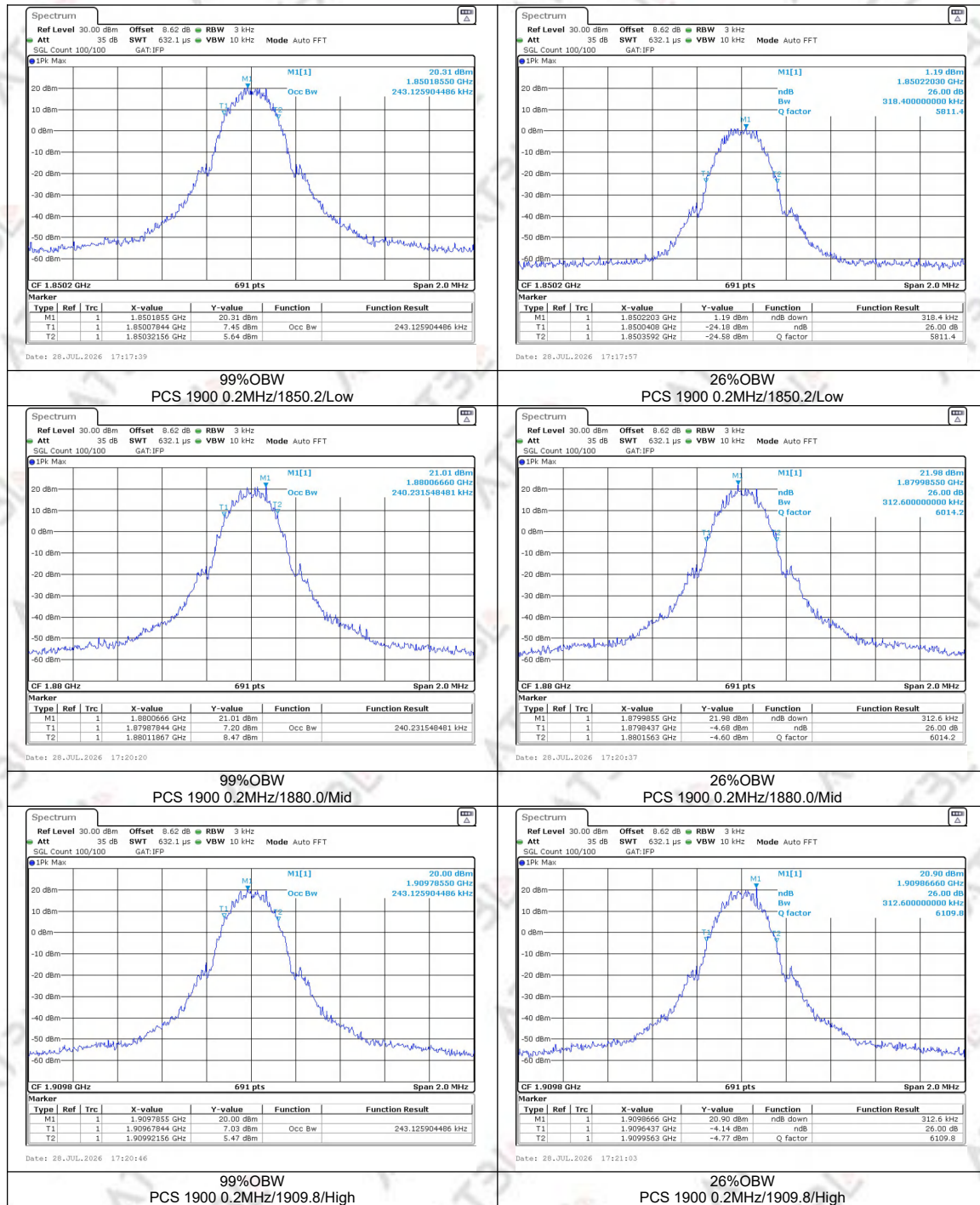
3.Occupied Bandwidth

Test Result

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	128	824.2	0.24313	0.3126	PASS
GSM 850	190	836.6	0.24313	0.3184	PASS
GSM 850	251	848.8	0.24313	0.3126	PASS
PCS 1900	512	1850.2	0.24313	0.3184	PASS
PCS 1900	661	1880.0	0.24023	0.3126	PASS
PCS 1900	810	1909.8	0.24313	0.3126	PASS

Test Graphs



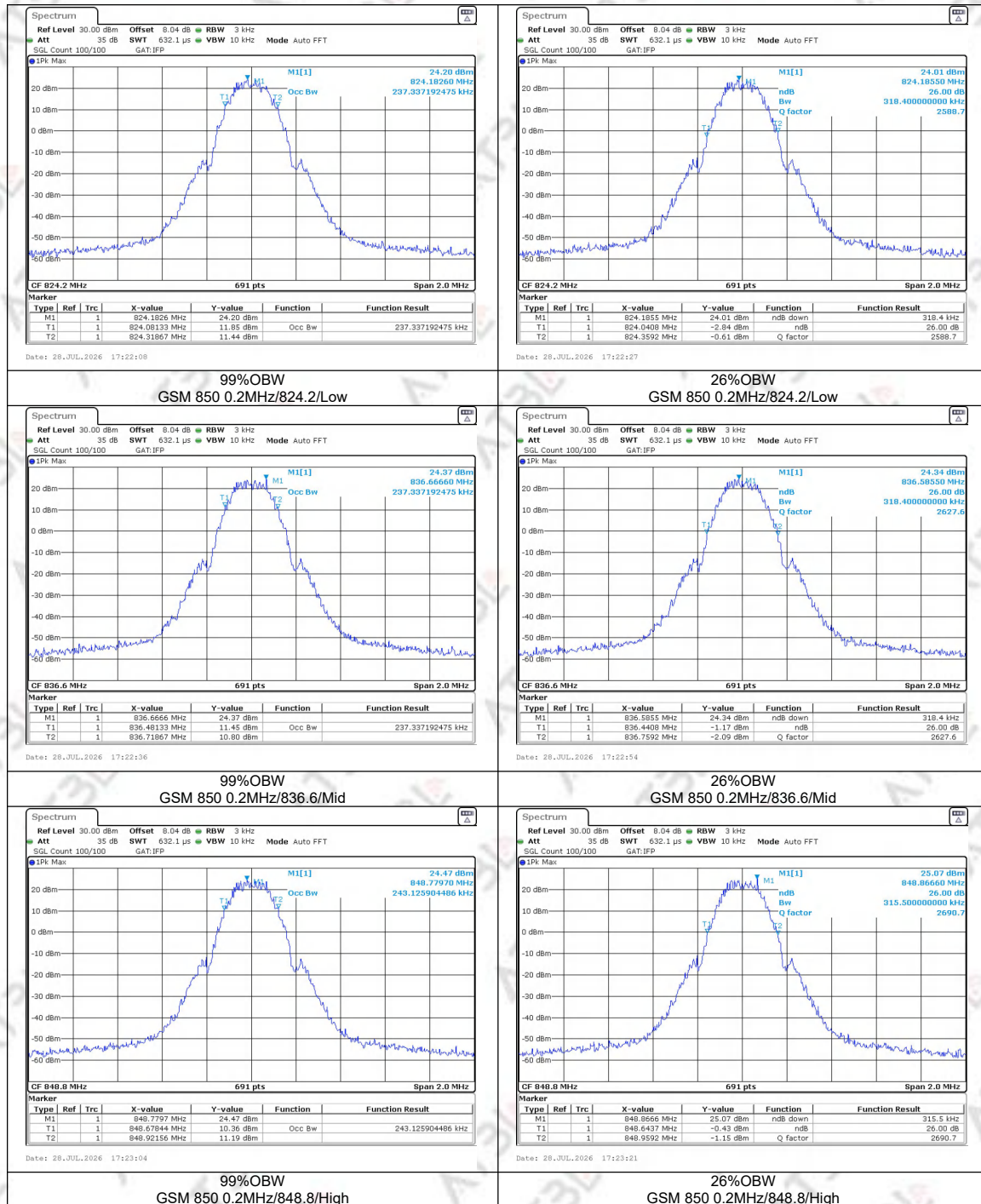


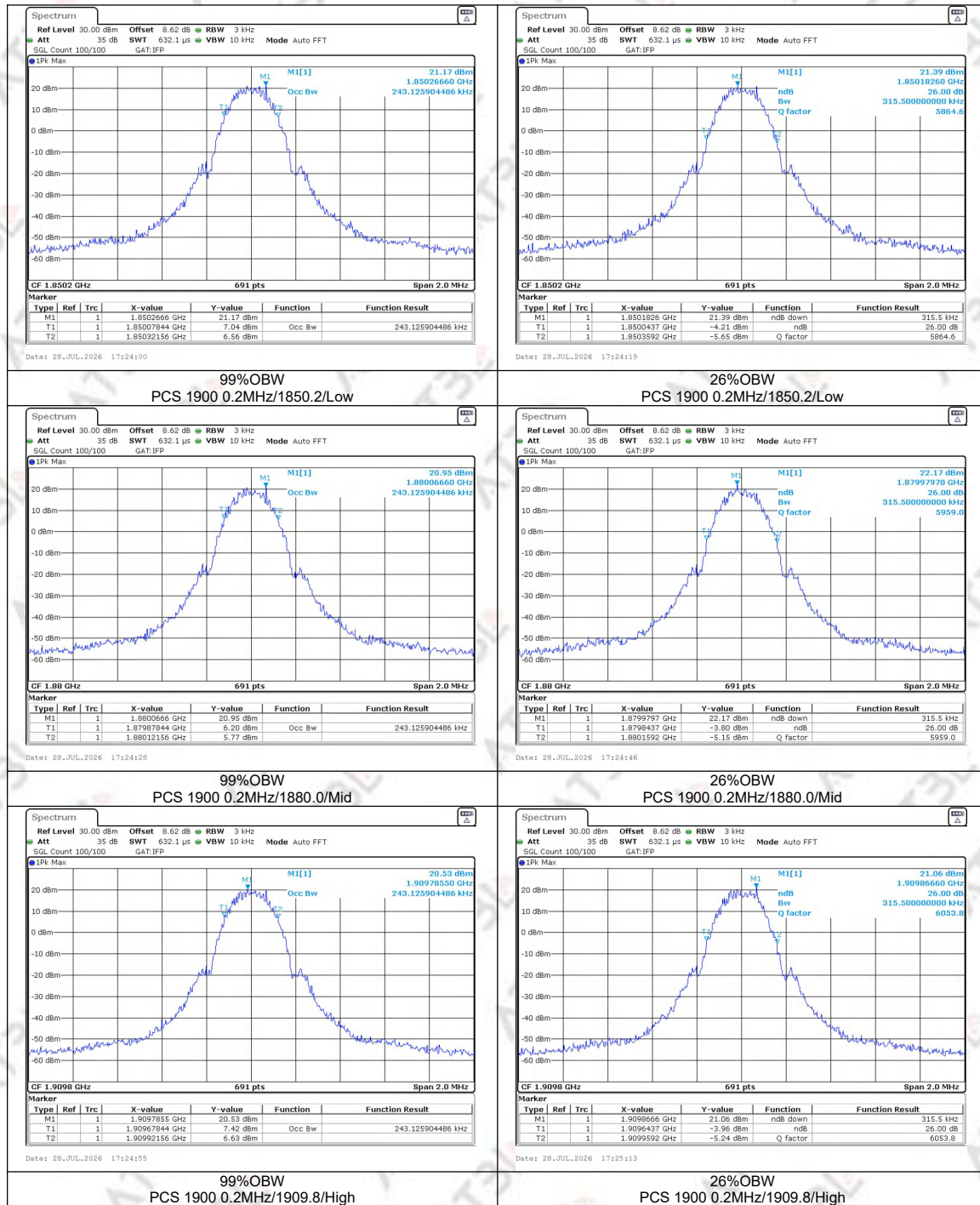
3-1.Occupied Bandwidth GPRS

Test Result

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	128	824.2	1 Tx	0.23734	0.3184	PASS
GSM 850	190	836.6	1 Tx	0.23734	0.3184	PASS
GSM 850	251	848.8	1 Tx	0.24313	0.3155	PASS
PCS 1900	512	1850.2	1 Tx	0.24313	0.3155	PASS
PCS 1900	661	1880.0	1 Tx	0.24313	0.3155	PASS
PCS 1900	810	1909.8	1 Tx	0.24313	0.3155	PASS

Test Graphs



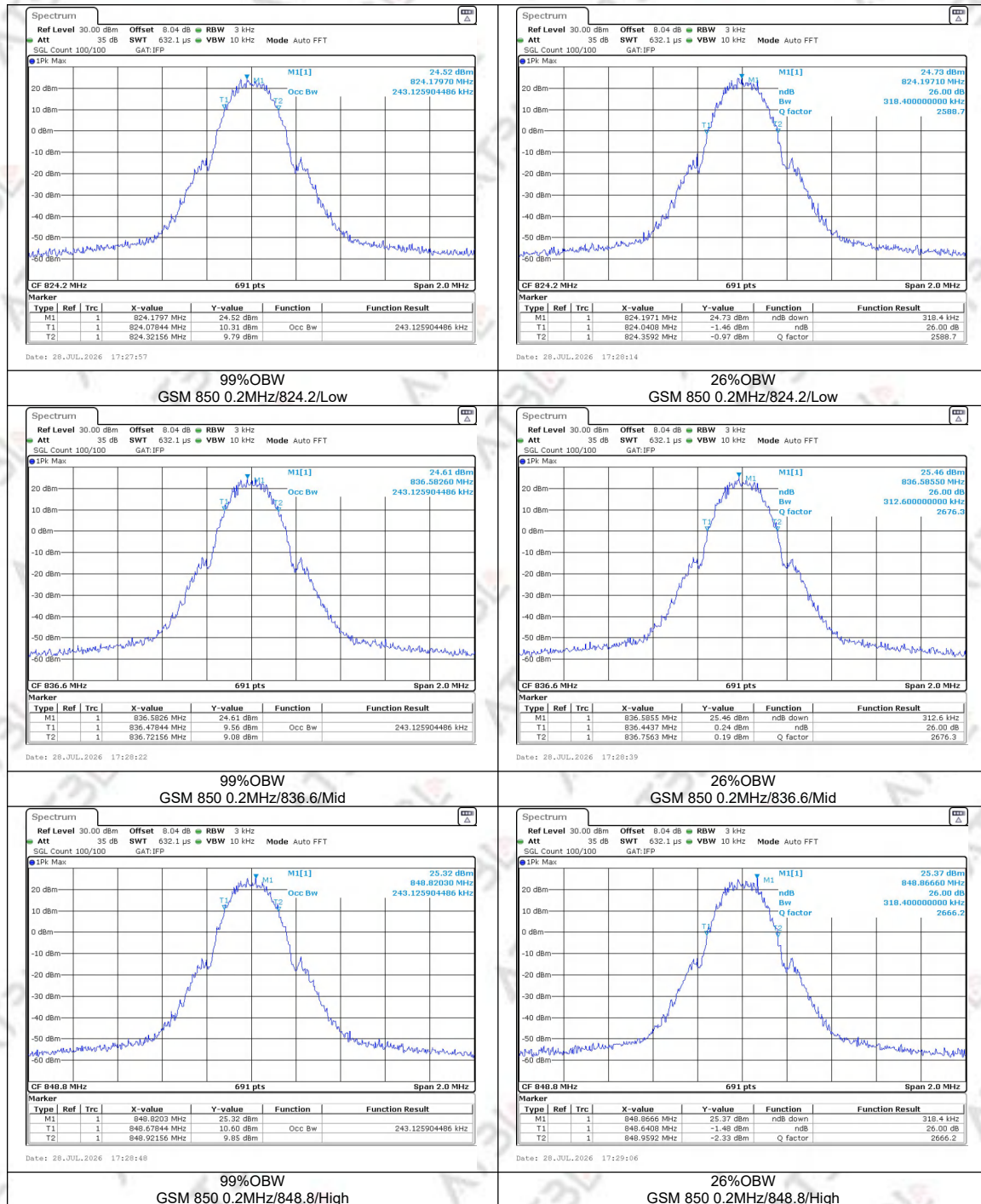


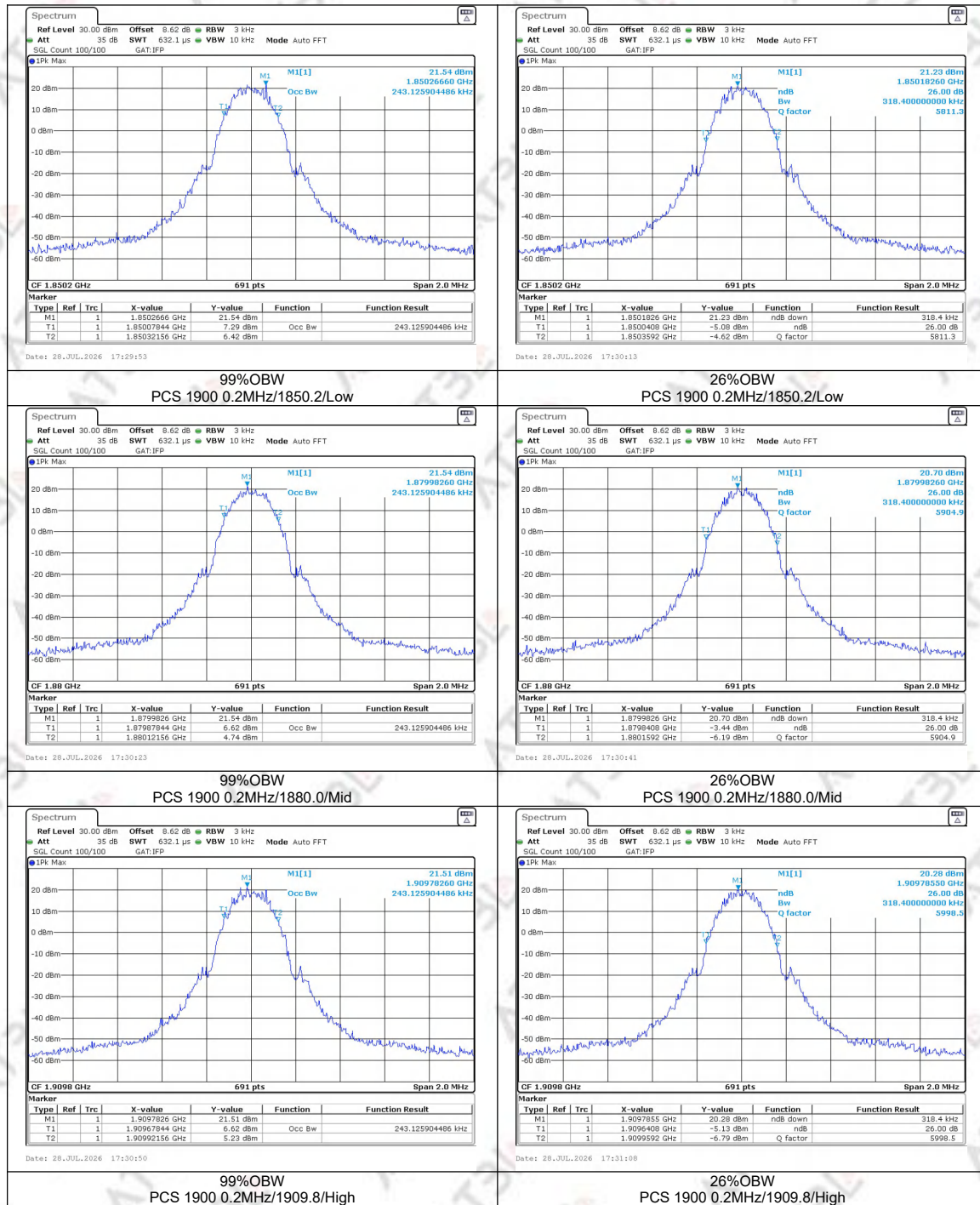
3-2.Occupied Bandwidth EGPRS

Test Result

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	128	824.2	1 Tx	0.24313	0.3184	PASS
GSM 850	190	836.6	1 Tx	0.24313	0.3126	PASS
GSM 850	251	848.8	1 Tx	0.24313	0.3184	PASS
PCS 1900	512	1850.2	1 Tx	0.24313	0.3184	PASS
PCS 1900	661	1880.0	1 Tx	0.24313	0.3184	PASS
PCS 1900	810	1909.8	1 Tx	0.24313	0.3184	PASS

Test Graphs



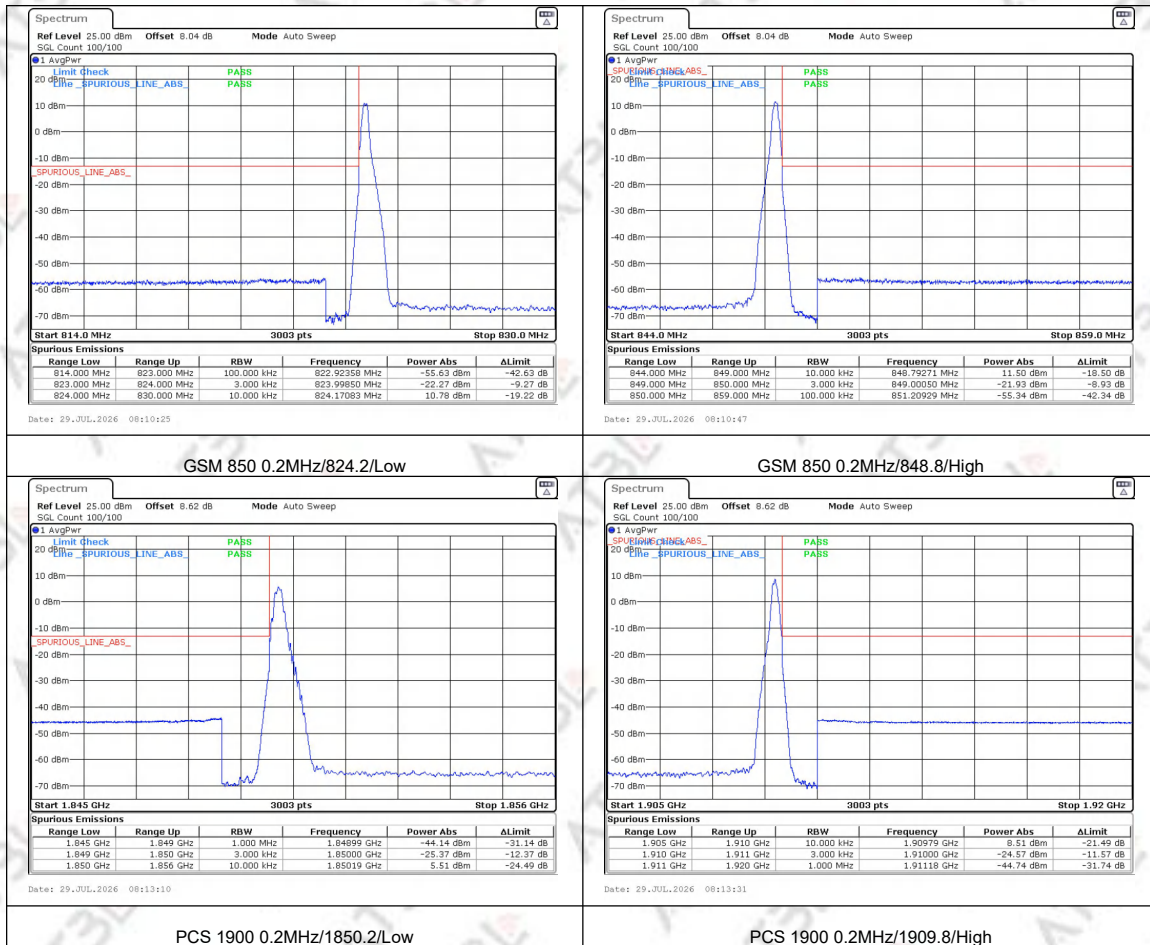


4. Conducted Band Edge

Test Result

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

Test Graphs



PCS 1900 0.2MHz/1850.2/Low

PCS 1900 0.2MHz/1909.8/High