

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	29.47	0.8851	38.45	PASS
GSM 850	190	836.6	32.77	29.51	0.8933	38.45	PASS
GSM 850	251	848.8	32.76	29.5	0.8913	38.45	PASS
PCS 1900	512	1850.2	29.07	31.51	1.4158	33	PASS
PCS 1900	661	1880.0	28.82	31.26	1.3366	33	PASS
PCS 1900	810	1909.8	28.87	31.31	1.3521	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	32.78	29.52	0.8954	38.45	PASS
GSM 850	128	824.2	GMSK	2 Tx	30.46	27.2	0.5248	38.45	PASS
GSM 850	128	824.2	GMSK	3 Tx	32.97	29.71	0.9354	38.45	PASS
GSM 850	128	824.2	GMSK	4 Tx	26.32	23.06	0.2023	38.45	PASS
GSM 850	190	836.6	GMSK	1 Tx	32.85	29.59	0.9099	38.45	PASS
GSM 850	190	836.6	GMSK	2 Tx	32.75	29.49	0.8892	38.45	PASS
GSM 850	190	836.6	GMSK	3 Tx	28.4	25.14	0.3266	38.45	PASS
GSM 850	190	836.6	GMSK	4 Tx	26.07	22.81	0.191	38.45	PASS
GSM 850	251	848.8	GMSK	1 Tx	33.03	29.77	0.9484	38.45	PASS
GSM 850	251	848.8	GMSK	2 Tx	30.39	27.13	0.5164	38.45	PASS
GSM 850	251	848.8	GMSK	3 Tx	28.38	25.12	0.3251	38.45	PASS
GSM 850	251	848.8	GMSK	4 Tx	26.02	22.76	0.1888	38.45	PASS
PCS 1900	512	1850.2	GMSK	1 Tx	28.68	31.12	1.2942	33	PASS
PCS 1900	512	1850.2	GMSK	2 Tx	26.32	28.76	0.7516	33	PASS
PCS 1900	512	1850.2	GMSK	3 Tx	24.76	27.2	0.5248	33	PASS
PCS 1900	512	1850.2	GMSK	4 Tx	22.86	25.3	0.3388	33	PASS
PCS 1900	661	1880.0	GMSK	1 Tx	28.46	30.9	1.2303	33	PASS
PCS 1900	661	1880.0	GMSK	2 Tx	25.78	28.22	0.6637	33	PASS
PCS 1900	661	1880.0	GMSK	3 Tx	24.09	26.53	0.4498	33	PASS
PCS 1900	661	1880.0	GMSK	4 Tx	21.94	24.38	0.2742	33	PASS
PCS 1900	810	1909.8	GMSK	1 Tx	28.54	30.98	1.2531	33	PASS
PCS 1900	810	1909.8	GMSK	2 Tx	25.31	27.75	0.5957	33	PASS
PCS 1900	810	1909.8	GMSK	3 Tx	23.68	26.12	0.4093	33	PASS
PCS 1900	810	1909.8	GMSK	4 Tx	21.8	24.24	0.2655	33	PASS

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

Test Result

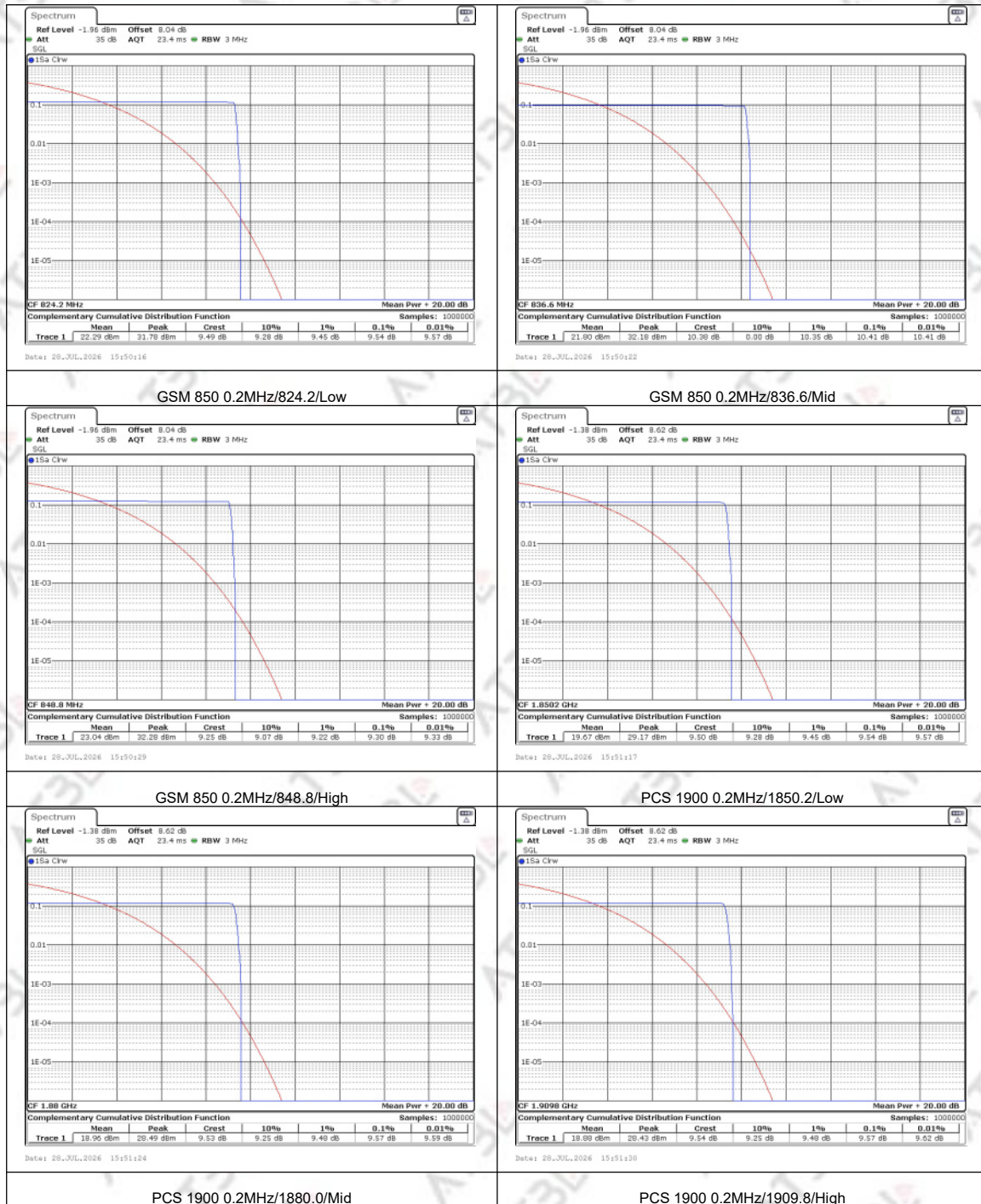
Band	Channel	Freq (MHz)	Modulation	Slots	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	128	824.2	GMSK	1 Tx	24.76	21.5	0.14125	38.45	PASS
GSM 850	128	824.2	GMSK	2 Tx	23.45	20.19	0.10447	38.45	PASS
GSM 850	128	824.2	GMSK	3 Tx	21.12	17.86	0.06109	38.45	PASS
GSM 850	128	824.2	GMSK	4 Tx	18.09	14.83	0.03040	38.45	PASS
GSM 850	190	836.6	GMSK	1 Tx	24.72	21.46	0.13996	38.45	PASS
GSM 850	190	836.6	GMSK	2 Tx	23.60	20.34	0.10814	38.45	PASS
GSM 850	190	836.6	GMSK	3 Tx	21.03	17.77	0.05984	38.45	PASS
GSM 850	190	836.6	GMSK	4 Tx	18.59	15.33	0.03412	38.45	PASS
GSM 850	251	848.8	GMSK	1 Tx	24.84	21.58	0.14388	38.45	PASS
GSM 850	251	848.8	GMSK	2 Tx	24.02	20.76	0.11912	38.45	PASS
GSM 850	251	848.8	GMSK	3 Tx	21.14	17.88	0.06137	38.45	PASS
GSM 850	251	848.8	GMSK	4 Tx	18.88	15.62	0.03647	38.45	PASS
PCS 1900	512	1850.2	GMSK	1 Tx	25.73	28.17	0.65615	33	PASS
PCS 1900	512	1850.2	GMSK	2 Tx	24.1	26.54	0.45082	33	PASS
PCS 1900	512	1850.2	GMSK	3 Tx	21.66	24.1	0.25704	33	PASS
PCS 1900	512	1850.2	GMSK	4 Tx	19.56	22.0	0.15849	33	PASS
PCS 1900	661	1880.0	GMSK	1 Tx	24.98	27.42	0.55208	33	PASS
PCS 1900	661	1880.0	GMSK	2 Tx	23.36	25.8	0.38019	33	PASS
PCS 1900	661	1880.0	GMSK	3 Tx	21.03	23.47	0.22233	33	PASS
PCS 1900	661	1880.0	GMSK	4 Tx	18.81	21.25	0.13335	33	PASS
PCS 1900	810	1909.8	GMSK	1 Tx	24.69	27.13	0.51642	33	PASS
PCS 1900	810	1909.8	GMSK	2 Tx	23.60	26.04	0.40179	33	PASS
PCS 1900	810	1909.8	GMSK	3 Tx	21.14	23.58	0.22803	33	PASS
PCS 1900	810	1909.8	GMSK	4 Tx	19.40	21.84	0.15276	33	PASS

2.Peak to Average Ratio

Test Result

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	128	824.2	9.54	13	PASS
GSM 850	190	836.6	10.41	13	PASS
GSM 850	251	848.8	9.3	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

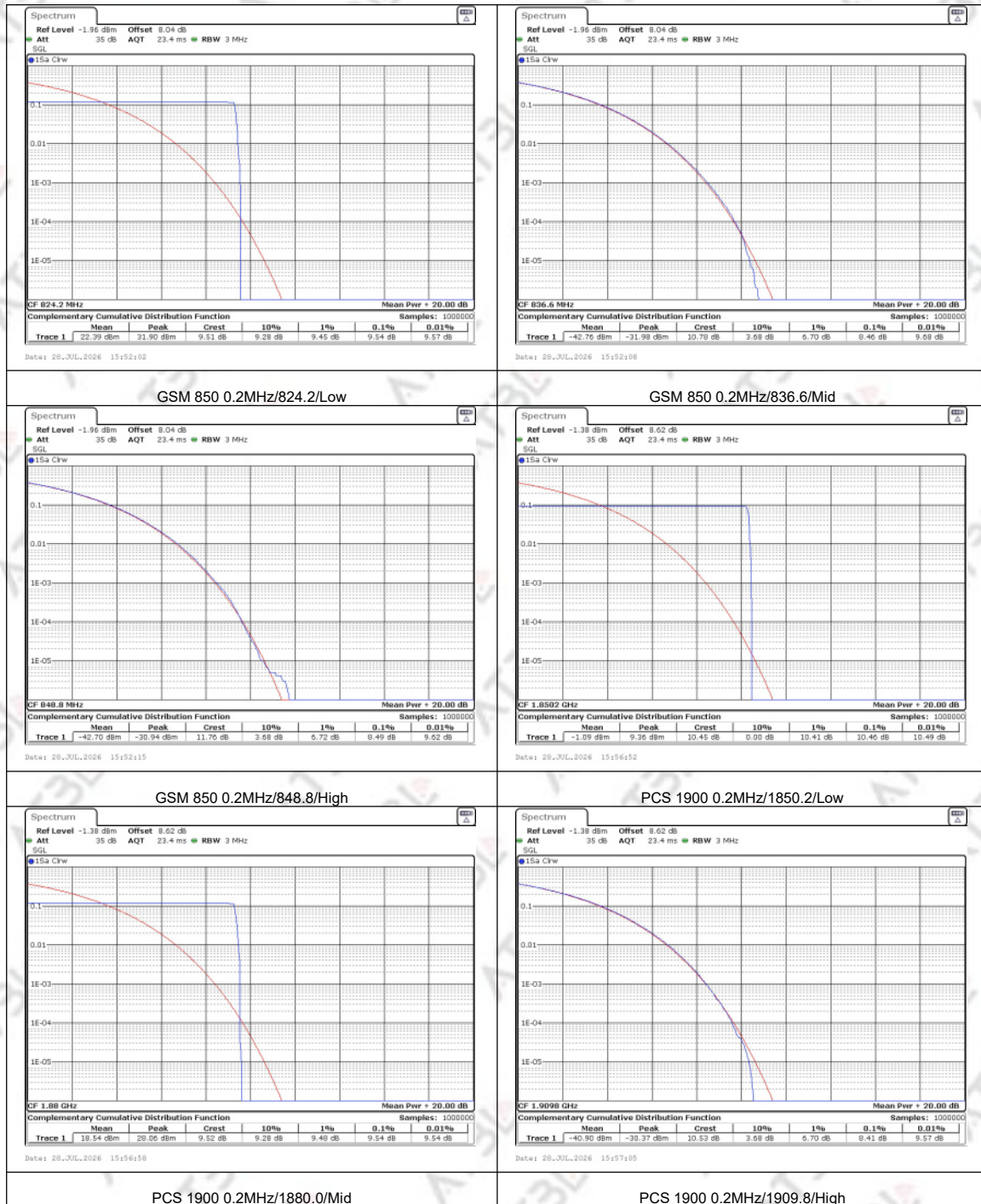


2-1Peak to Average Ratio GPRS

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	8.46	13	PASS
GSM 850	251	848.8	1 Tx	8.49	13	PASS
PCS 1900	512	1850.2	1 Tx	10.46	13	PASS
PCS 1900	661	1880.0	1 Tx	9.54	13	PASS
PCS 1900	810	1909.8	1 Tx	8.41	13	PASS

Test Graphs

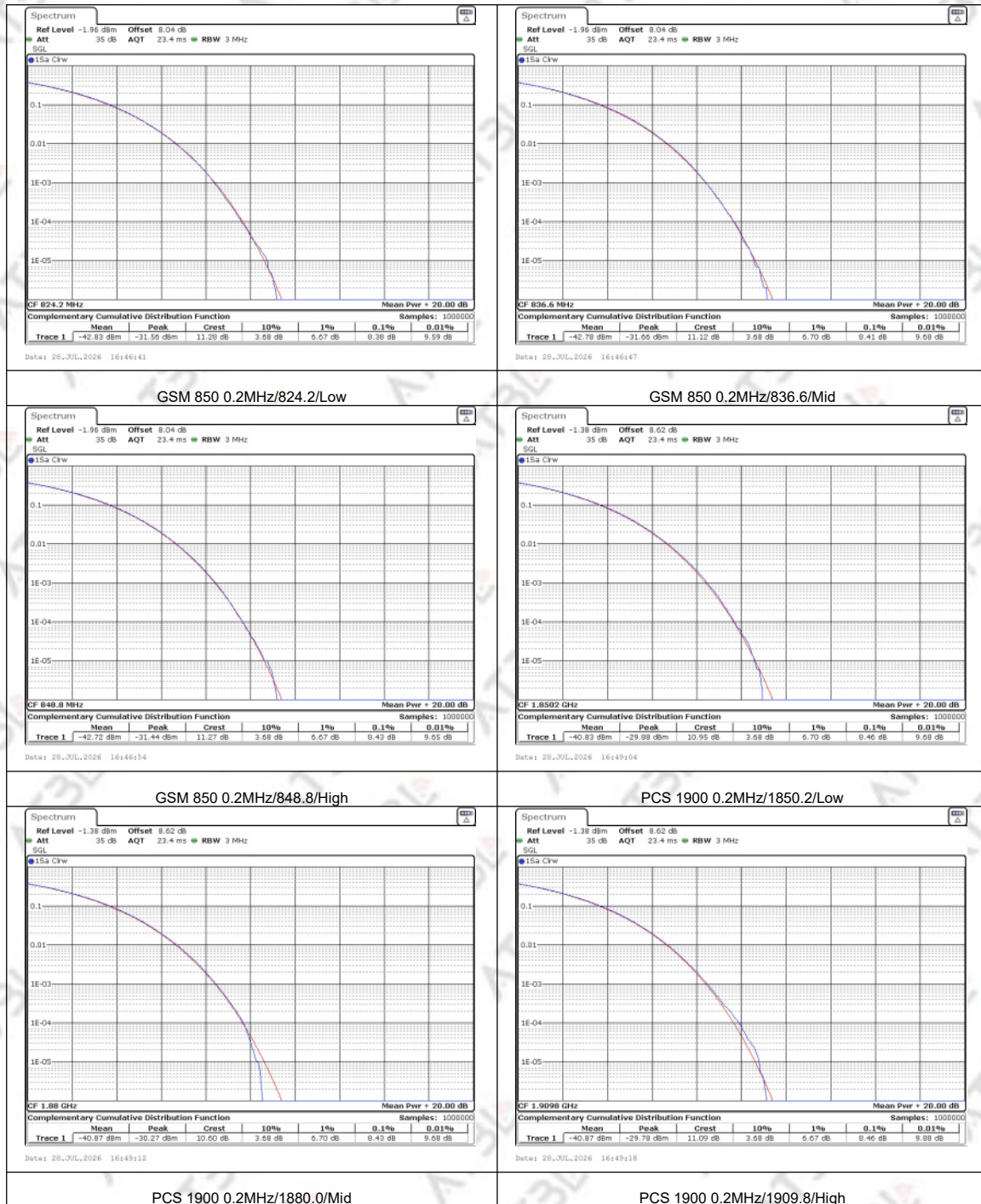


2-2.Peak to Average Ratio EGPRS

Test Result

Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	128	824.2	1 Tx	8.38	13	PASS
GSM 850	190	836.6	1 Tx	8.41	13	PASS
GSM 850	251	848.8	1 Tx	8.43	13	PASS
PCS 1900	512	1850.2	1 Tx	8.46	13	PASS
PCS 1900	661	1880.0	1 Tx	8.43	13	PASS
PCS 1900	810	1909.8	1 Tx	8.46	13	PASS

Test Graphs

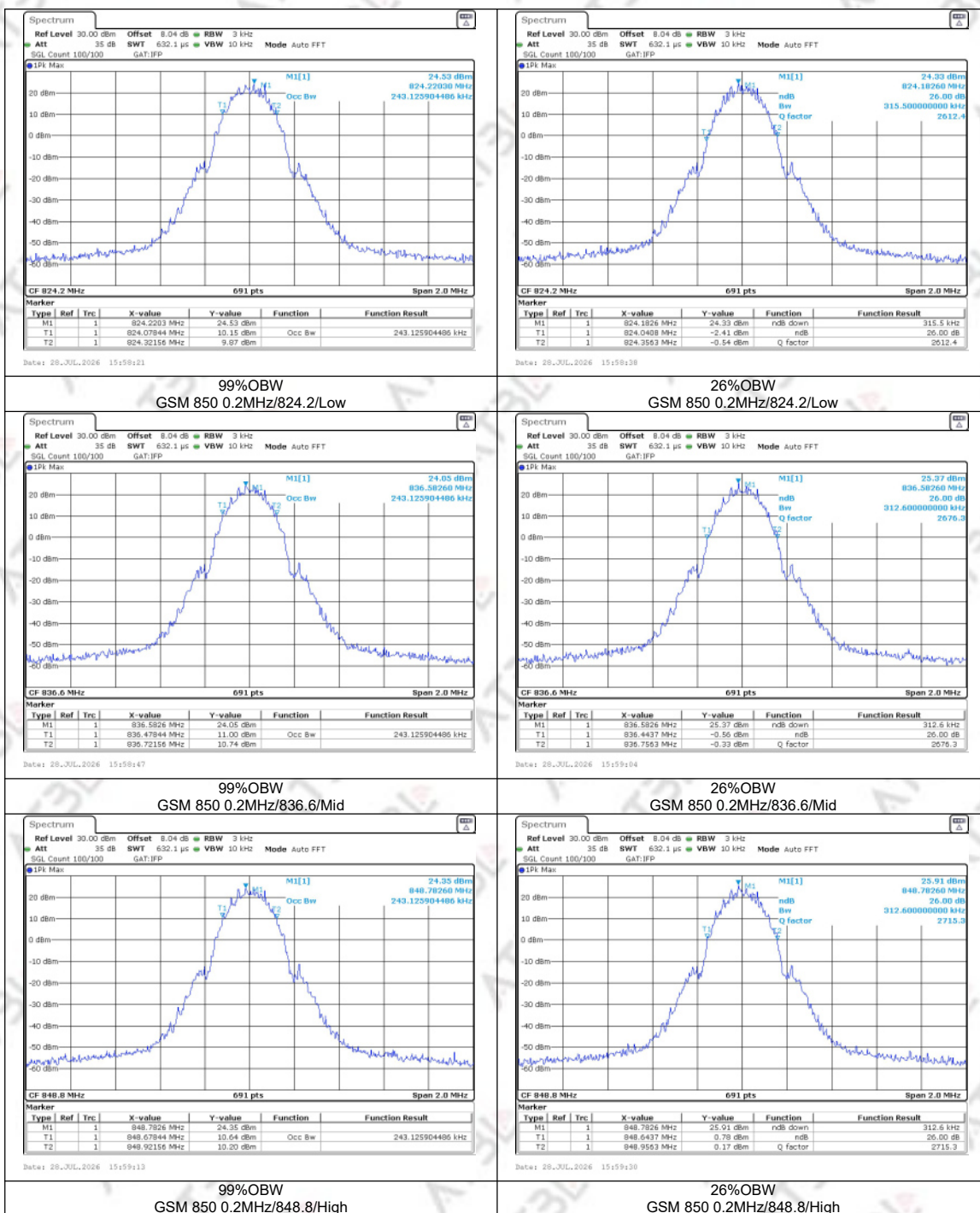


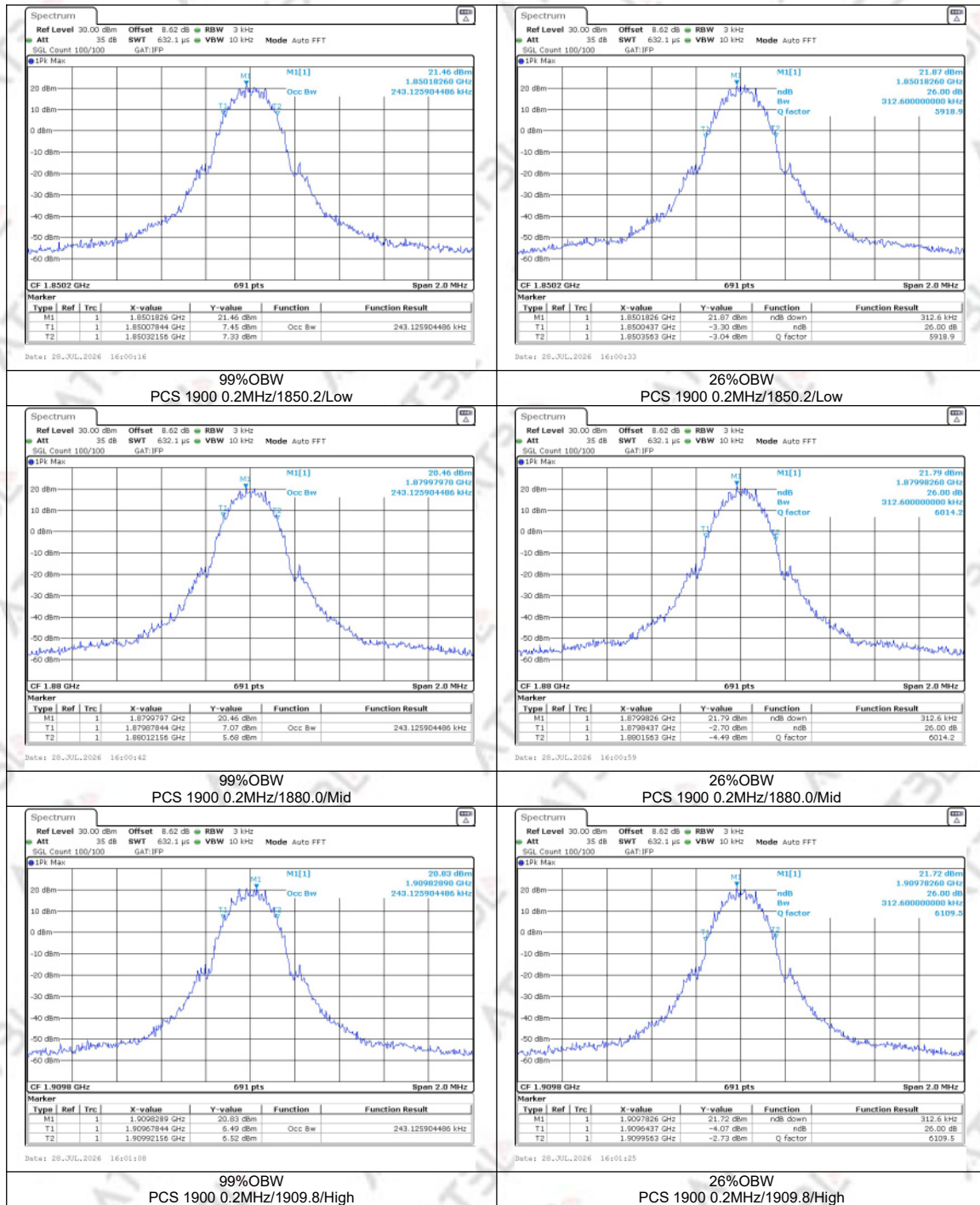
3.Occupied Bandwidth

Test Result

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	128	824.2	0.24313	0.3155	PASS
GSM 850	190	836.6	0.24313	0.3126	PASS
GSM 850	251	848.8	0.24313	0.3126	PASS
PCS 1900	512	1850.2	0.24313	0.3126	PASS
PCS 1900	661	1880.0	0.24313	0.3126	PASS
PCS 1900	810	1909.8	0.24313	0.3126	PASS

Test Graphs



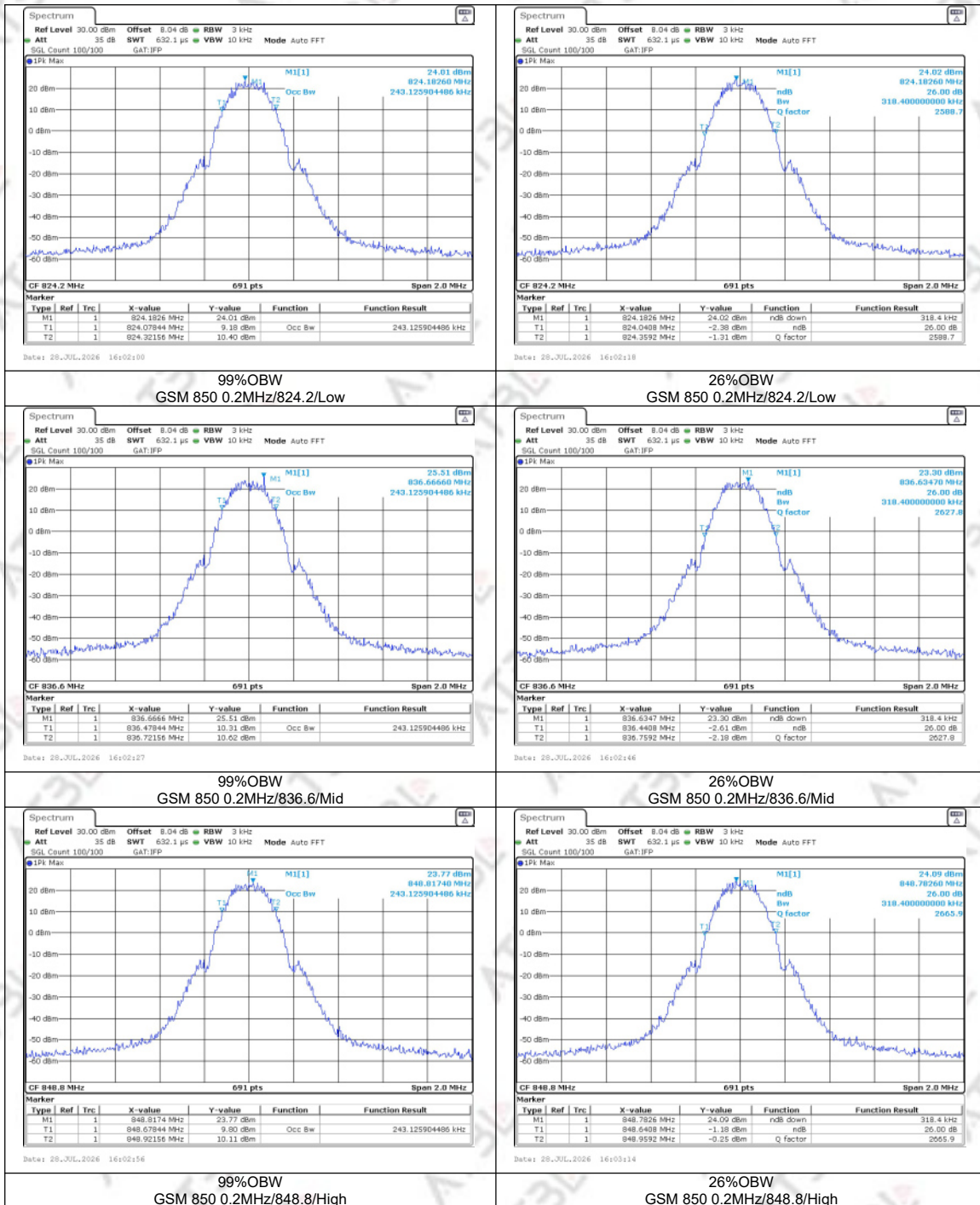


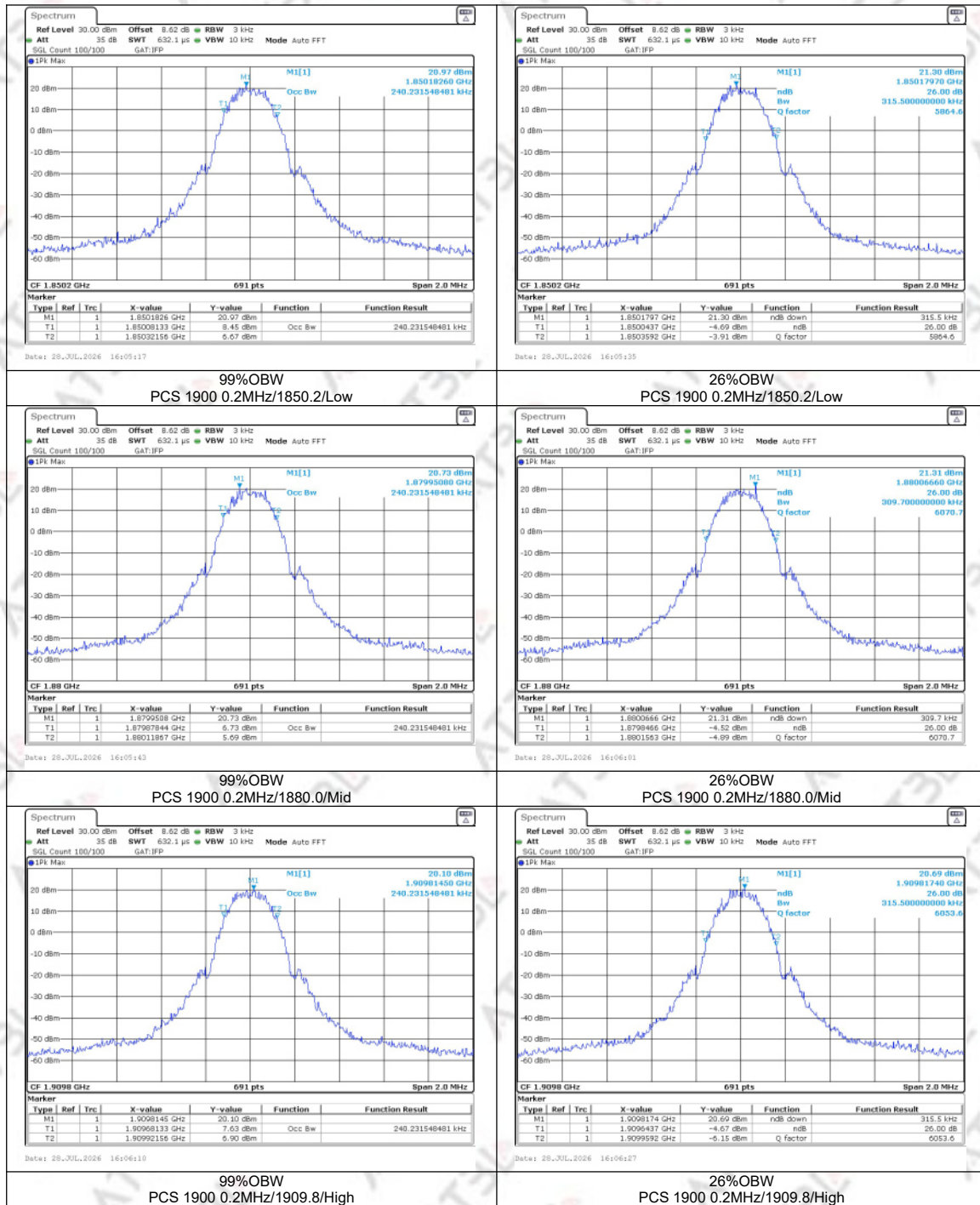
3-1.Occupied Bandwidth GPRS

Test Result

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	128	824.2	1 Tx	0.24313	0.3184	PASS
GSM 850	190	836.6	1 Tx	0.24313	0.3184	PASS
GSM 850	251	848.8	1 Tx	0.24313	0.3184	PASS
PCS 1900	512	1850.2	1 Tx	0.24023	0.3155	PASS
PCS 1900	661	1880.0	1 Tx	0.24023	0.3097	PASS
PCS 1900	810	1909.8	1 Tx	0.24023	0.3155	PASS

Test Graphs



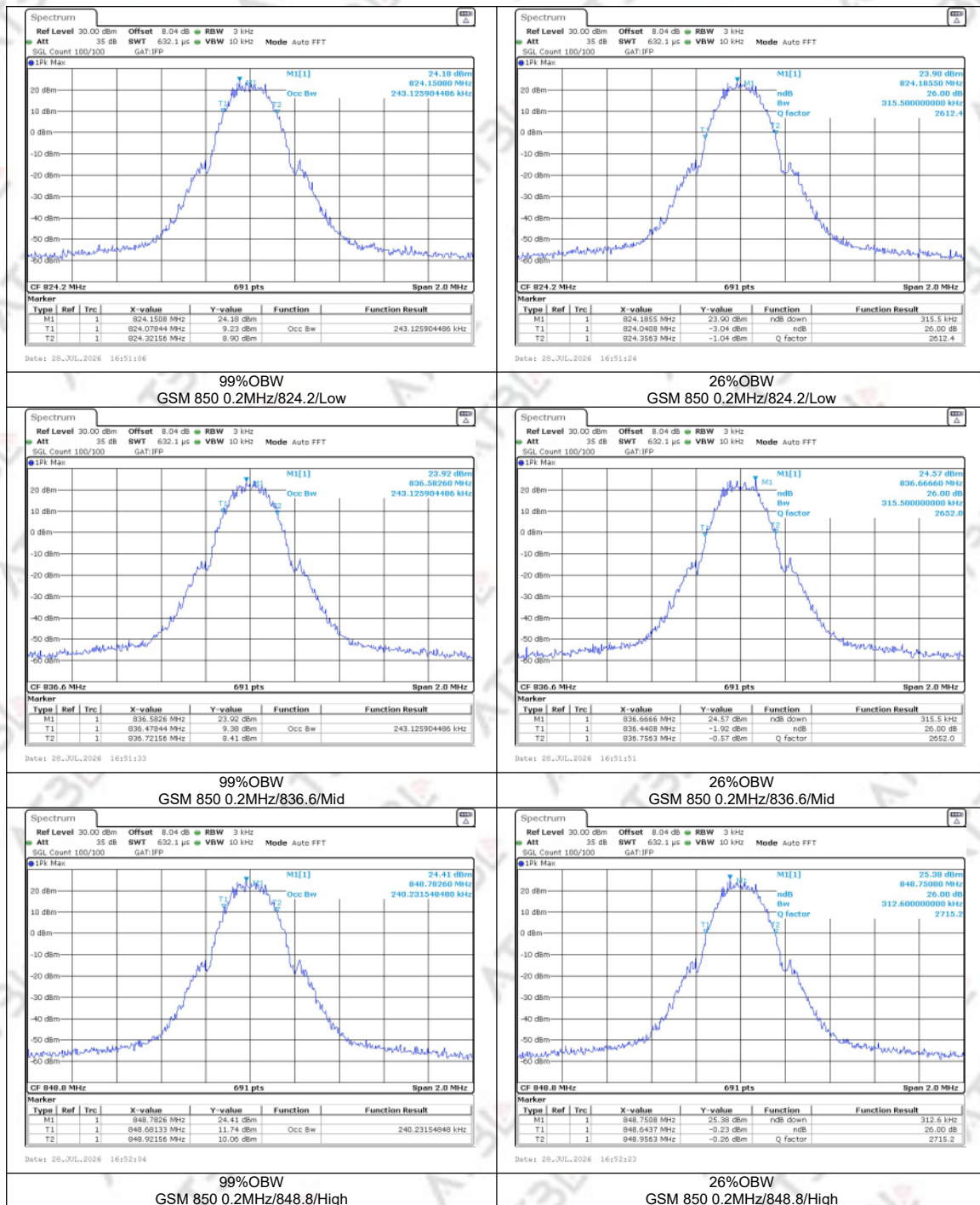


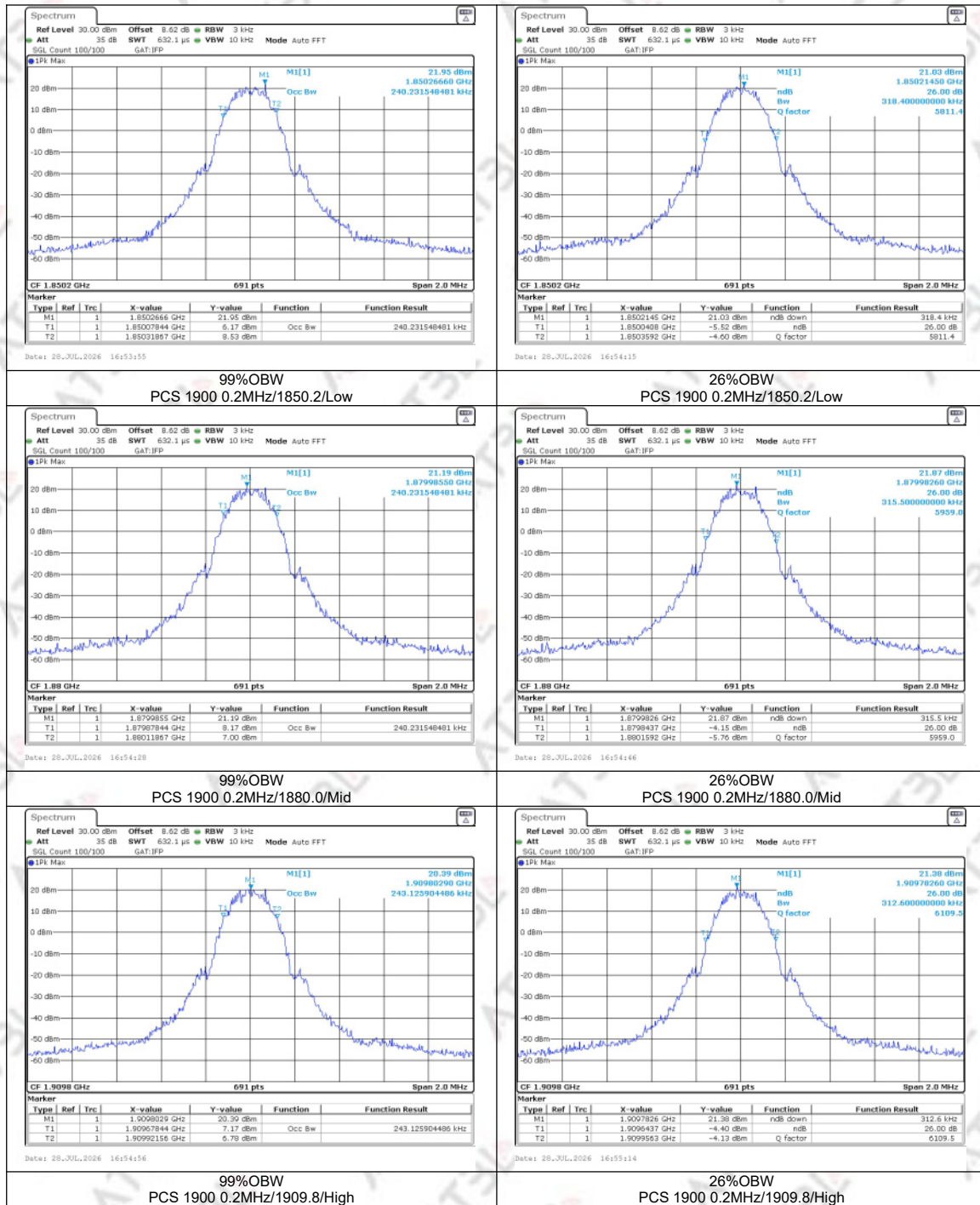
3-2.Occupied Bandwidth EGPRS

Test Result

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	128	824.2	1 Tx	0.24313	0.3155	PASS
GSM 850	190	836.6	1 Tx	0.24313	0.3155	PASS
GSM 850	251	848.8	1 Tx	0.24023	0.3126	PASS
PCS 1900	512	1850.2	1 Tx	0.24023	0.3184	PASS
PCS 1900	661	1880.0	1 Tx	0.24023	0.3155	PASS
PCS 1900	810	1909.8	1 Tx	0.24313	0.3126	PASS

Test Graphs



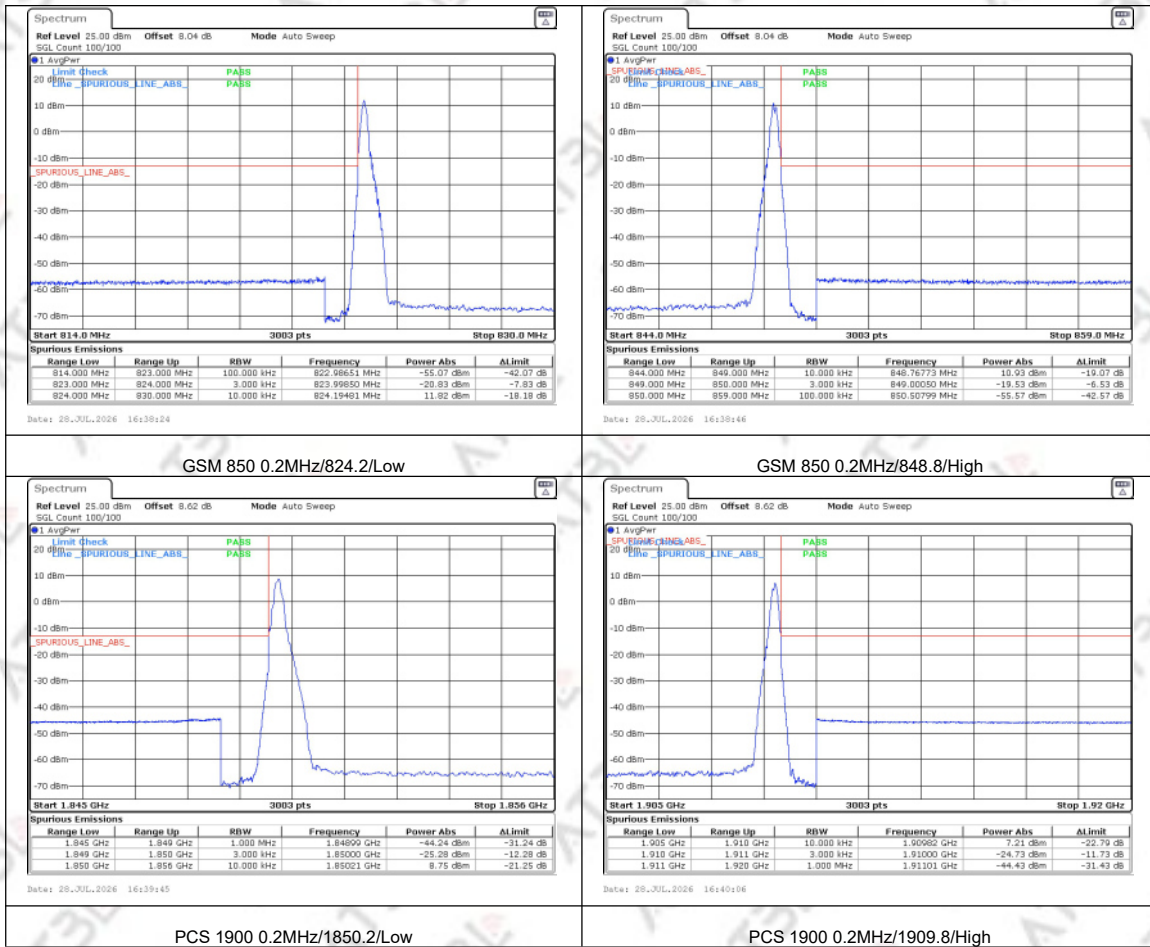


4.Conducted Band Edge

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

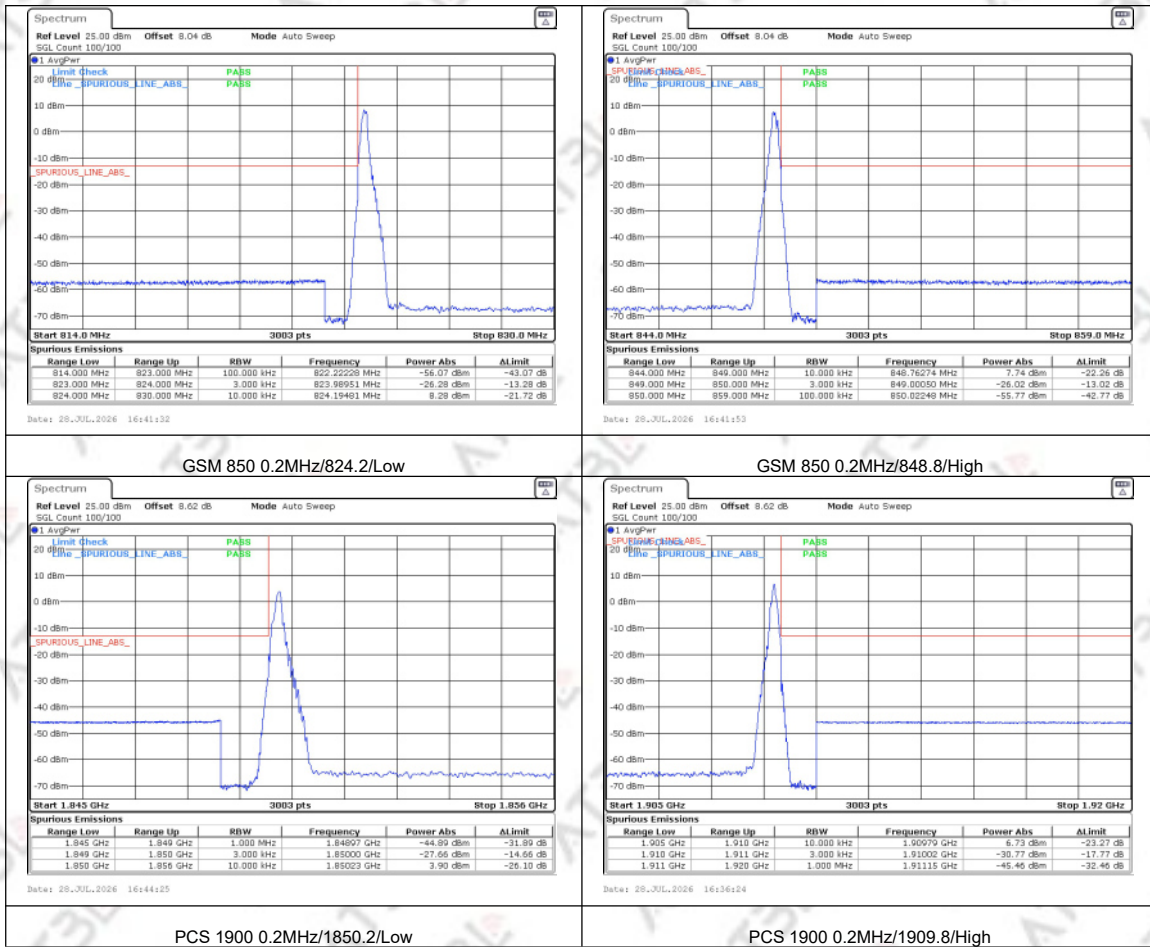


4-1Conducted Band Edge GPRS

Test Result

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

Test Graphs

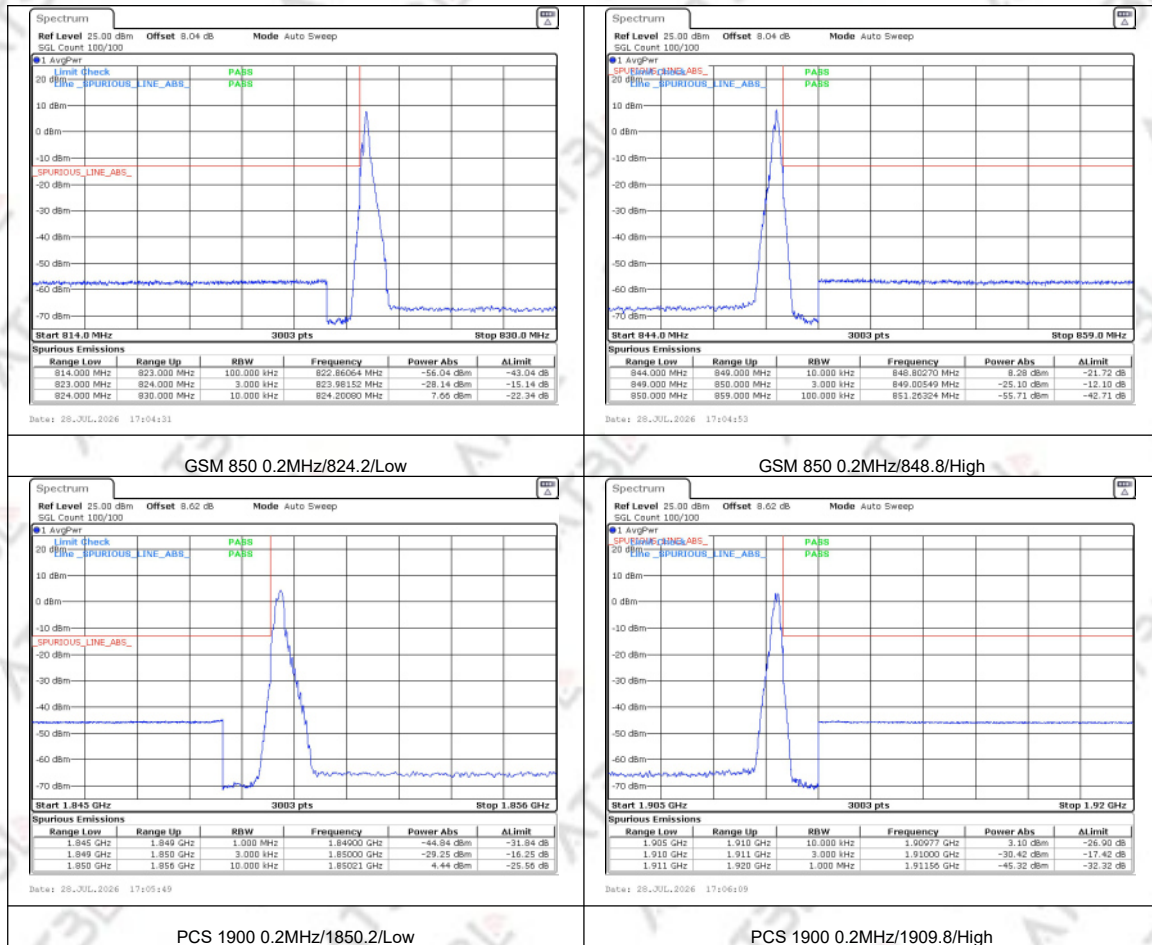


4-2Conducted Band Edge EGPRS

Test Result

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

Test Graphs



5. Conducted Spurious Emissions

Test Result

Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM 850	128	824.2	0.15	30.0	-40.76	-13	PASS
GSM 850	128	824.2	30.0	1000.0	-41.11	-13	PASS
GSM 850	128	824.2	1000.0	10000.0	-15.31	-13	PASS
GSM 850	190	836.6	0.15	30.0	-38.53	-13	PASS
GSM 850	190	836.6	30.0	1000.0	-40.45	-13	PASS
GSM 850	190	836.6	1000.0	10000.0	-14.29	-13	PASS
GSM 850	251	848.8	0.15	30.0	-36.18	-13	PASS
GSM 850	251	848.8	30.0	1000.0	-40.62	-13	PASS
GSM 850	251	848.8	1000.0	10000.0	-13.49	-13	PASS
PCS 1900	512	1850.2	0.15	30.0	-43.77	-23	PASS
PCS 1900	512	1850.2	30.0	1000.0	-51.23	-13	PASS
PCS 1900	512	1850.2	1000.0	10000.0	-21.46	-13	PASS
PCS 1900	512	1850.2	10000.0	20000.0	-36.92	-13	PASS
PCS 1900	661	1880.0	0.15	30.0	-43.73	-23	PASS
PCS 1900	661	1880.0	30.0	1000.0	-51.87	-13	PASS
PCS 1900	661	1880.0	1000.0	10000.0	-22.12	-13	PASS
PCS 1900	661	1880.0	10000.0	20000.0	-36.97	-13	PASS
PCS 1900	810	1909.8	0.15	30.0	-42.42	-23	PASS
PCS 1900	810	1909.8	30.0	1000.0	-50.95	-13	PASS
PCS 1900	810	1909.8	1000.0	10000.0	-22.04	-13	PASS
PCS 1900	810	1909.8	10000.0	20000.0	-36.72	-13	PASS

Test Graphs

