

Appendix F Test data:**F1.Transmitter Conducted Output Power And ERP/EIRP**

Band	Channel	Freq (MHz)	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	128	824.2	32.36	27.71	38.45	PASS
GSM 850	190	836.6	32.82	28.17	38.45	PASS
GSM 850	251	848.8	32.12	27.47	38.45	PASS
PCS 1900	512	1850.2	27.05	26.25	33	PASS
PCS 1900	661	1880.0	27.15	26.35	33	PASS
PCS 1900	810	1909.8	27.99	27.19	33	PASS

F1-1.Transmitter Conducted Output Power And ERP/EIRP GPRS

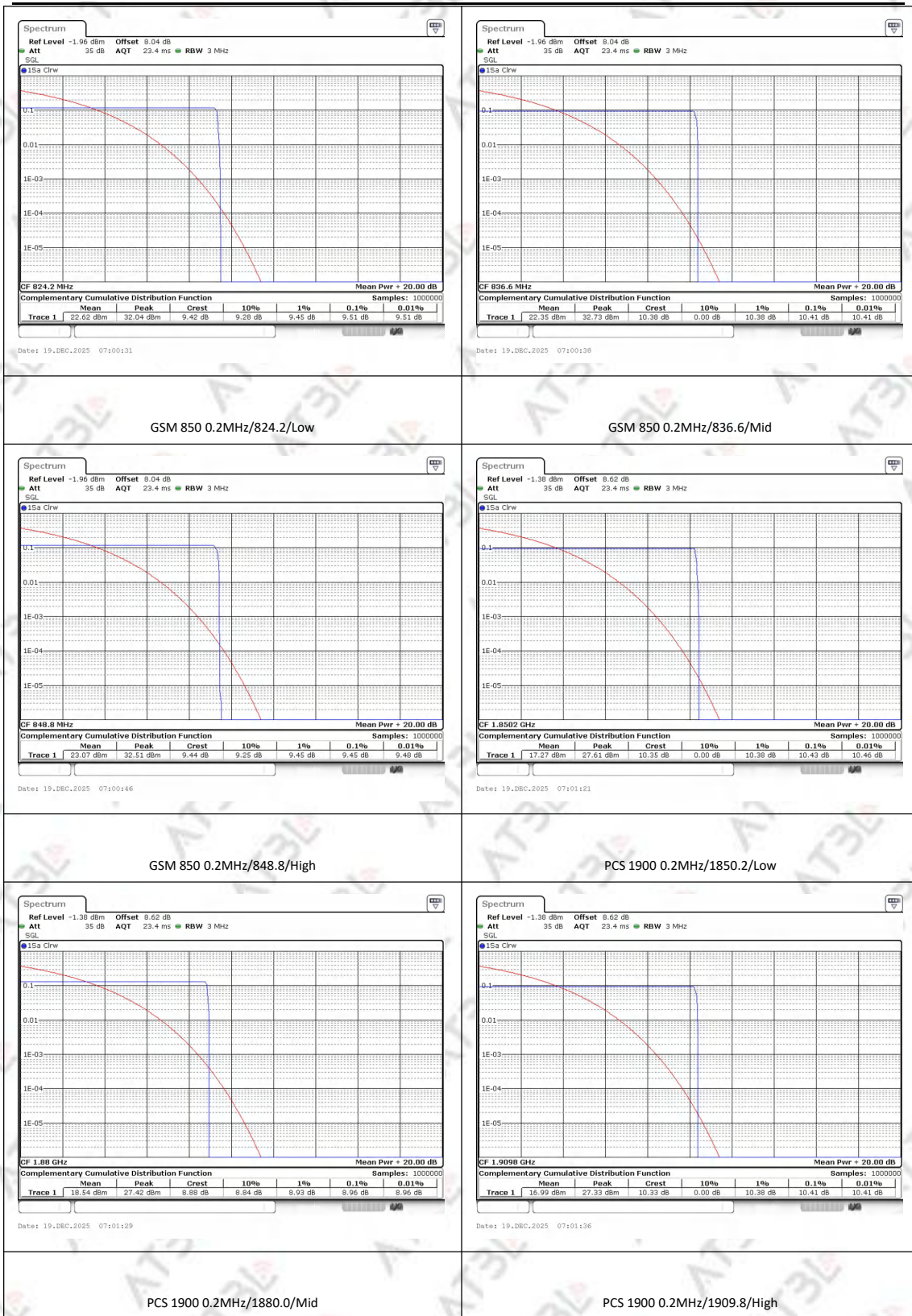
Band	Channel	Freq (MHz)	Modulation	Slots	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	128	824.2	GMSK	1 Tx	32.16	27.51	38.45	PASS
GSM 850	128	824.2	GMSK	2 Tx	30.26	25.61	38.45	PASS
GSM 850	128	824.2	GMSK	3 Tx	28.37	23.72	38.45	PASS
GSM 850	128	824.2	GMSK	4 Tx	26.27	21.62	38.45	PASS
GSM 850	190	836.6	GMSK	1 Tx	32.72	28.07	38.45	PASS
GSM 850	190	836.6	GMSK	2 Tx	30.78	26.13	38.45	PASS
GSM 850	190	836.6	GMSK	3 Tx	28.90	24.25	38.45	PASS
GSM 850	190	836.6	GMSK	4 Tx	26.12	21.47	38.45	PASS
GSM 850	251	848.8	GMSK	1 Tx	32.98	28.33	38.45	PASS
GSM 850	251	848.8	GMSK	2 Tx	30.99	26.34	38.45	PASS
GSM 850	251	848.8	GMSK	3 Tx	28.61	23.96	38.45	PASS
GSM 850	251	848.8	GMSK	4 Tx	26.77	22.12	38.45	PASS
PCS 1900	512	1850.2	GMSK	1 Tx	27.52	26.72	33	PASS
PCS 1900	512	1850.2	GMSK	2 Tx	25.67	24.87	33	PASS
PCS 1900	512	1850.2	GMSK	3 Tx	24.05	23.25	33	PASS
PCS 1900	512	1850.2	GMSK	4 Tx	21.59	20.79	33	PASS
PCS 1900	661	1880.0	GMSK	1 Tx	27.85	27.05	33	PASS
PCS 1900	661	1880.0	GMSK	2 Tx	25.34	24.54	33	PASS
PCS 1900	661	1880.0	GMSK	3 Tx	24.15	23.35	33	PASS
PCS 1900	661	1880.0	GMSK	4 Tx	21.94	21.14	33	PASS
PCS 1900	810	1909.8	GMSK	1 Tx	27.45	26.65	33	PASS
PCS 1900	810	1909.8	GMSK	2 Tx	25.18	24.38	33	PASS
PCS 1900	810	1909.8	GMSK	3 Tx	24.04	23.24	33	PASS
PCS 1900	810	1909.8	GMSK	4 Tx	21.79	20.99	33	PASS

F1-2.Transmitter Conducted Output Power And ERP/EIRP EGPRS

Band	Channel	Freq (MHz)	Modulation	Slots	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	128	824.2	GMSK	1 Tx	23.84	19.19	38.45	PASS
GSM 850	128	824.2	GMSK	2 Tx	30.97	26.32	38.45	PASS
GSM 850	128	824.2	GMSK	3 Tx	20.68	16.03	38.45	PASS
GSM 850	128	824.2	GMSK	4 Tx	19.19	14.54	38.45	PASS
GSM 850	190	836.6	GMSK	1 Tx	24.59	19.94	38.45	PASS
GSM 850	190	836.6	GMSK	2 Tx	23.61	18.96	38.45	PASS
GSM 850	190	836.6	GMSK	3 Tx	20.95	16.3	38.45	PASS
GSM 850	190	836.6	GMSK	4 Tx	19.65	15	38.45	PASS
GSM 850	251	848.8	GMSK	1 Tx	24.58	19.93	38.45	PASS
GSM 850	251	848.8	GMSK	2 Tx	23.89	19.24	38.45	PASS
GSM 850	251	848.8	GMSK	3 Tx	20.77	16.12	38.45	PASS
GSM 850	251	848.8	GMSK	4 Tx	19.56	14.91	38.45	PASS
PCS 1900	512	1850.2	GMSK	1 Tx	25.28	24.48	33	PASS
PCS 1900	512	1850.2	GMSK	2 Tx	23.51	22.71	33	PASS
PCS 1900	512	1850.2	GMSK	3 Tx	22.08	21.28	33	PASS
PCS 1900	512	1850.2	GMSK	4 Tx	20.19	19.39	33	PASS
PCS 1900	661	1880.0	GMSK	1 Tx	24.50	23.7	33	PASS
PCS 1900	661	1880.0	GMSK	2 Tx	23.21	22.41	33	PASS
PCS 1900	661	1880.0	GMSK	3 Tx	21.32	20.52	33	PASS
PCS 1900	661	1880.0	GMSK	4 Tx	19.34	18.54	33	PASS
PCS 1900	810	1909.8	GMSK	1 Tx	24.64	23.84	33	PASS
PCS 1900	810	1909.8	GMSK	2 Tx	22.99	22.19	33	PASS
PCS 1900	810	1909.8	GMSK	3 Tx	23.90	23.1	33	PASS
PCS 1900	810	1909.8	GMSK	4 Tx	18.91	18.11	33	PASS

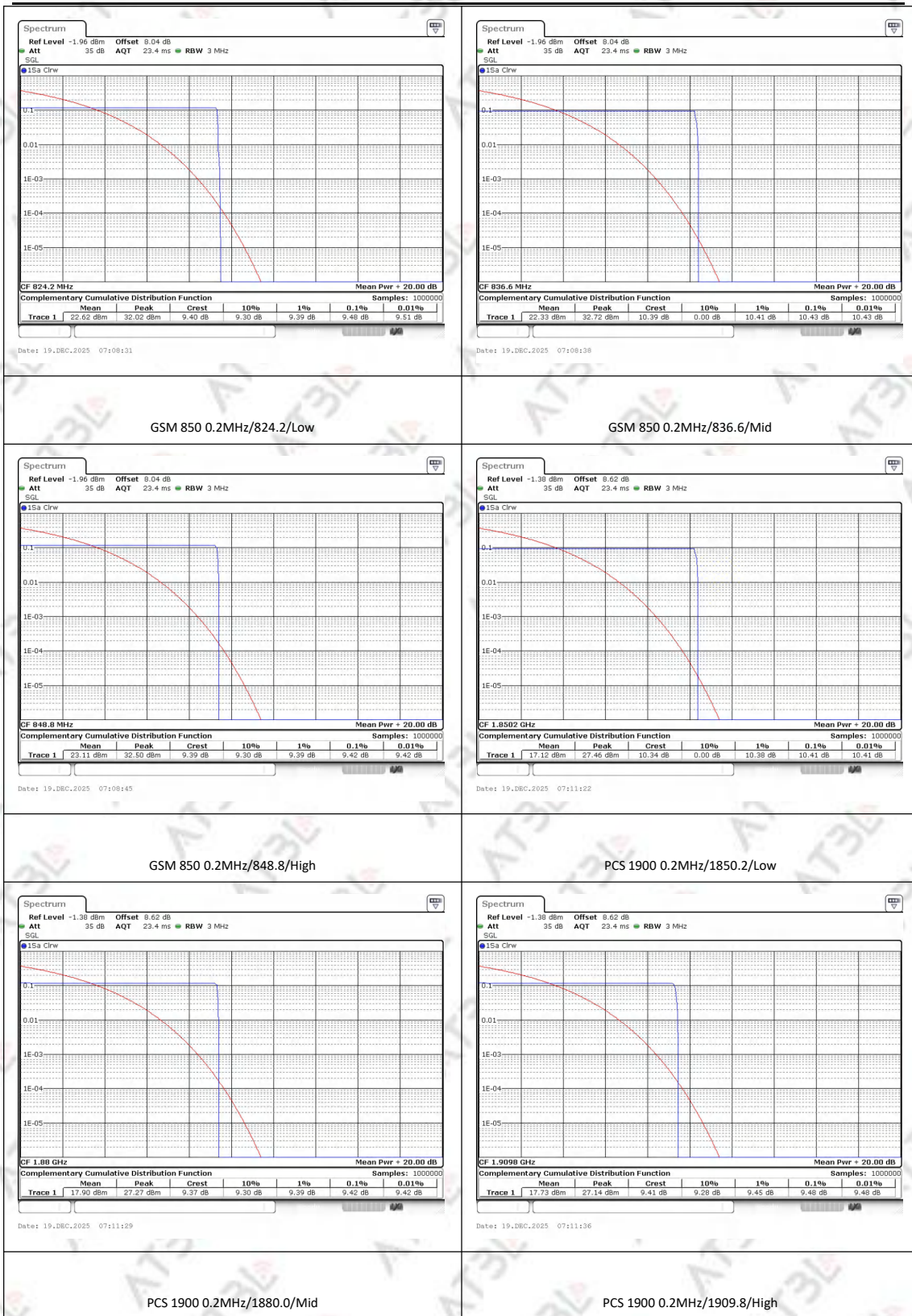
F2.Peak to Average Ratio

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	128	824.2	9.51	13	PASS
GSM 850	190	836.6	10.41	13	PASS
GSM 850	251	848.8	9.45	13	PASS
PCS 1900	512	1850.2	10.43	13	PASS
PCS 1900	661	1880.0	8.96	13	PASS
PCS 1900	810	1909.8	10.41	13	PASS



F2-1.Peak to Average Ratio GPRS

Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	128	824.2	1 Tx	9.48	13	PASS
GSM 850	190	836.6	1 Tx	10.43	13	PASS
GSM 850	251	848.8	1 Tx	9.42	13	PASS
PCS 1900	512	1850.2	1 Tx	10.41	13	PASS
PCS 1900	661	1880.0	1 Tx	9.42	13	PASS
PCS 1900	810	1909.8	1 Tx	9.48	13	PASS



GSM 850 0.2MHz/824.2/Low

GSM 850 0.2MHz/836.6/Mid

GSM 850 0.2MHz/848.8/High

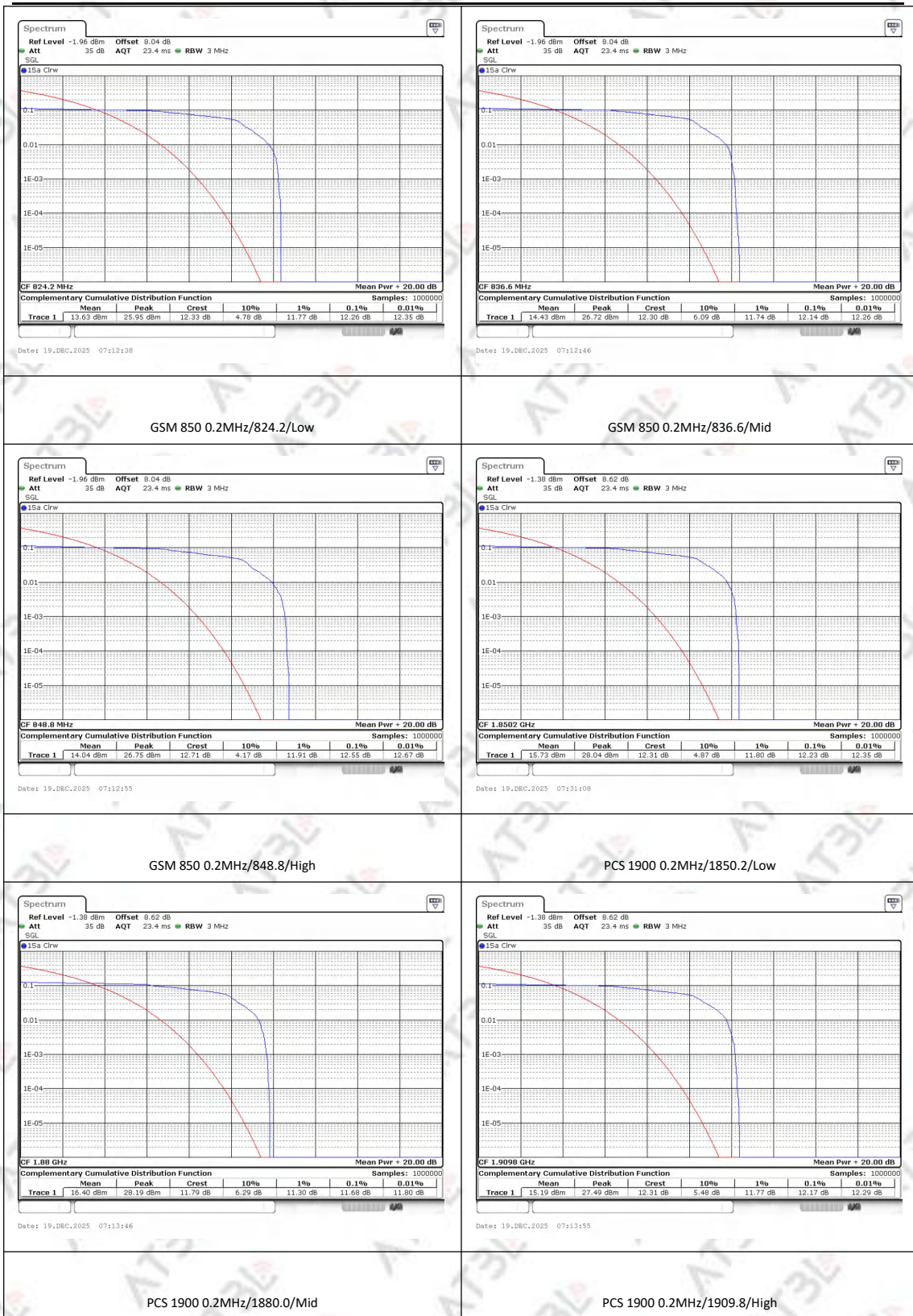
PCS 1900 0.2MHz/1850.2/Low

PCS 1900 0.2MHz/1880.0/Mid

PCS 1900 0.2MHz/1909.8/High

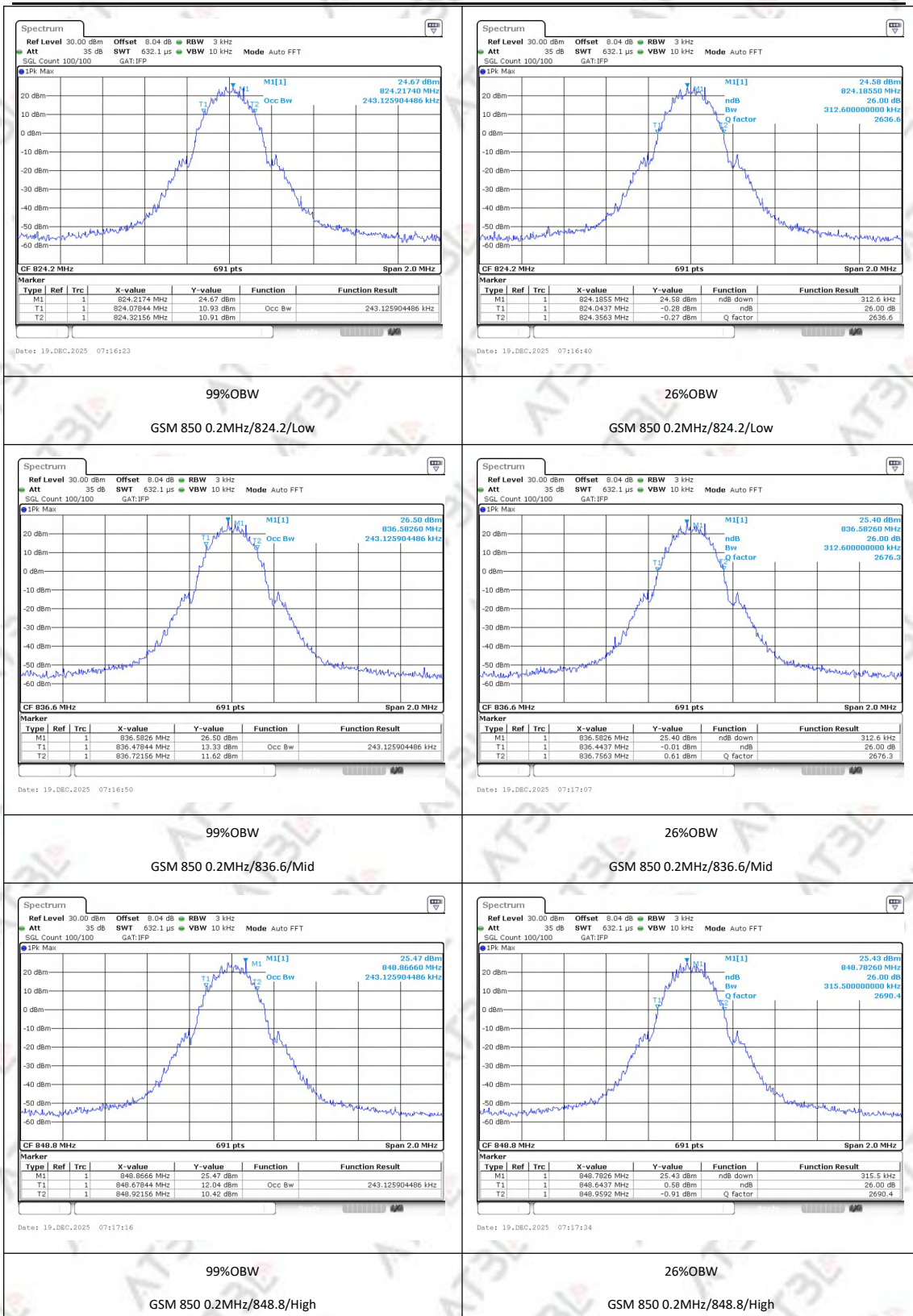
F2-2.Peak to Average Ratio EGPRS

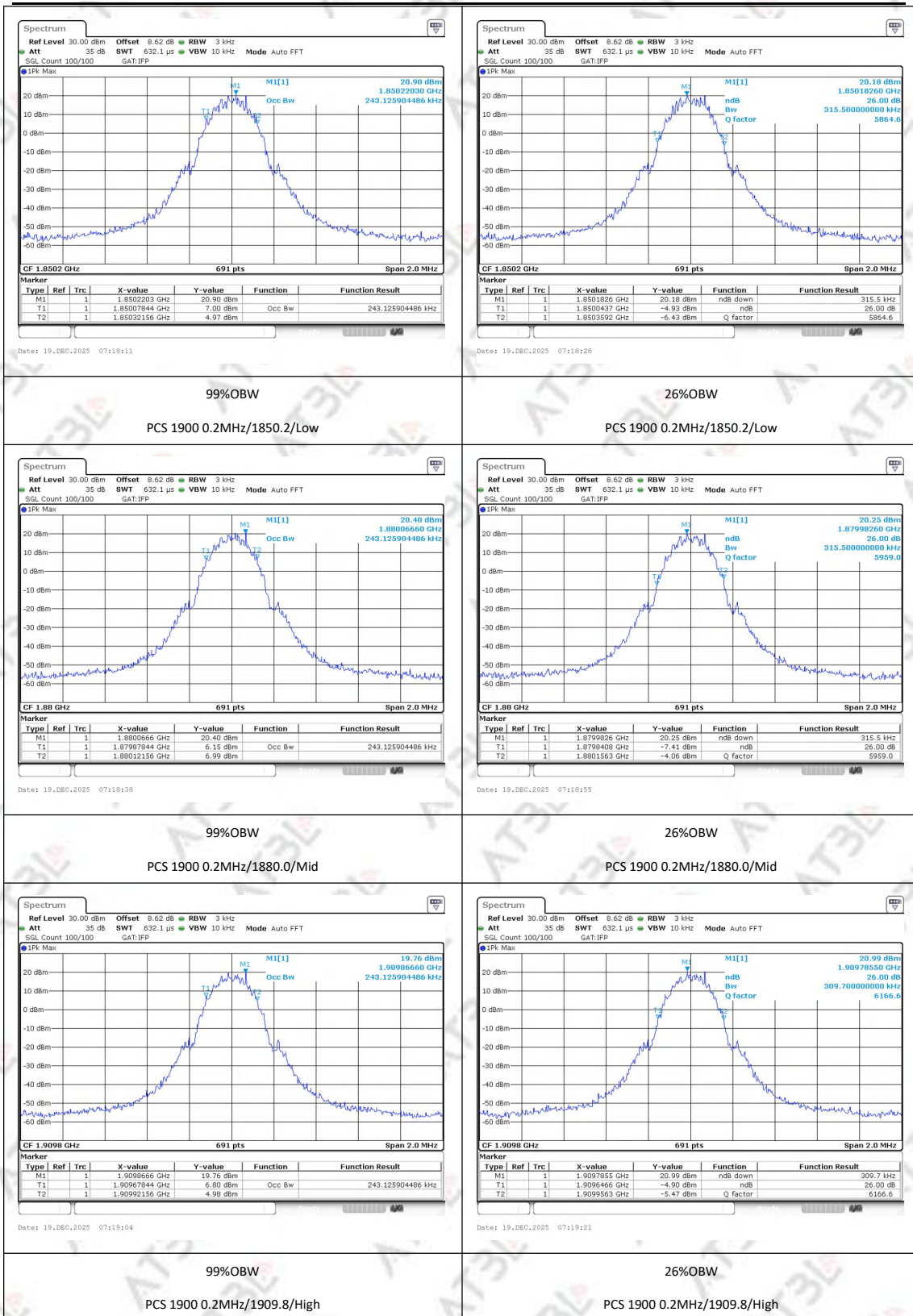
Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	128	824.2	1 Tx	12.26	13	PASS
GSM 850	190	836.6	1 Tx	12.14	13	PASS
GSM 850	251	848.8	1 Tx	12.55	13	PASS
PCS 1900	512	1850.2	1 Tx	12.23	13	PASS
PCS 1900	661	1880.0	1 Tx	11.68	13	PASS
PCS 1900	810	1909.8	1 Tx	12.17	13	PASS



F3.Occupied Bandwidth

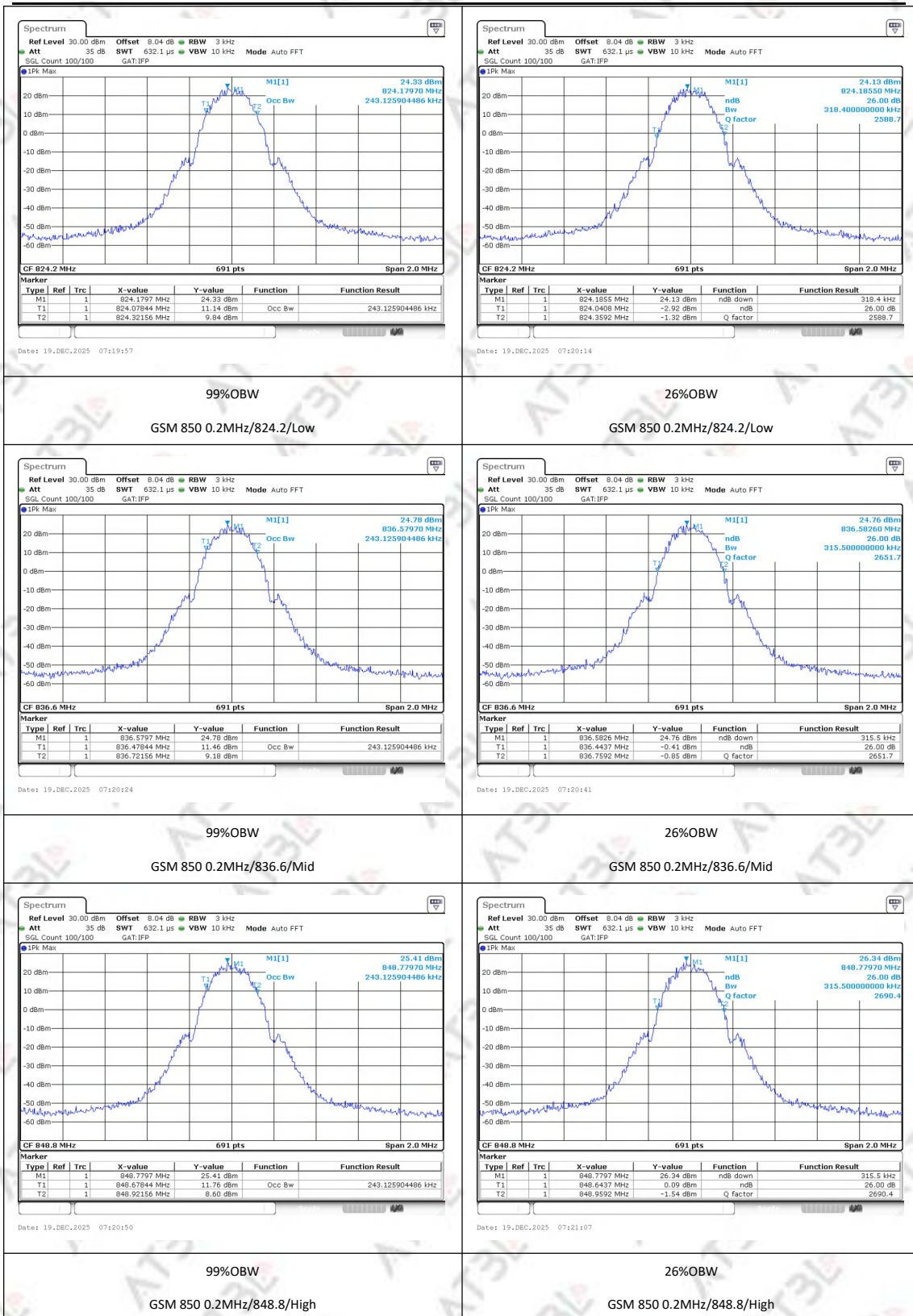
Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	128	824.2	0.24313	0.3126	PASS
GSM 850	190	836.6	0.24313	0.3126	PASS
GSM 850	251	848.8	0.24313	0.3155	PASS
PCS 1900	512	1850.2	0.24313	0.3155	PASS
PCS 1900	661	1880.0	0.24313	0.3155	PASS
PCS 1900	810	1909.8	0.24313	0.3097	PASS

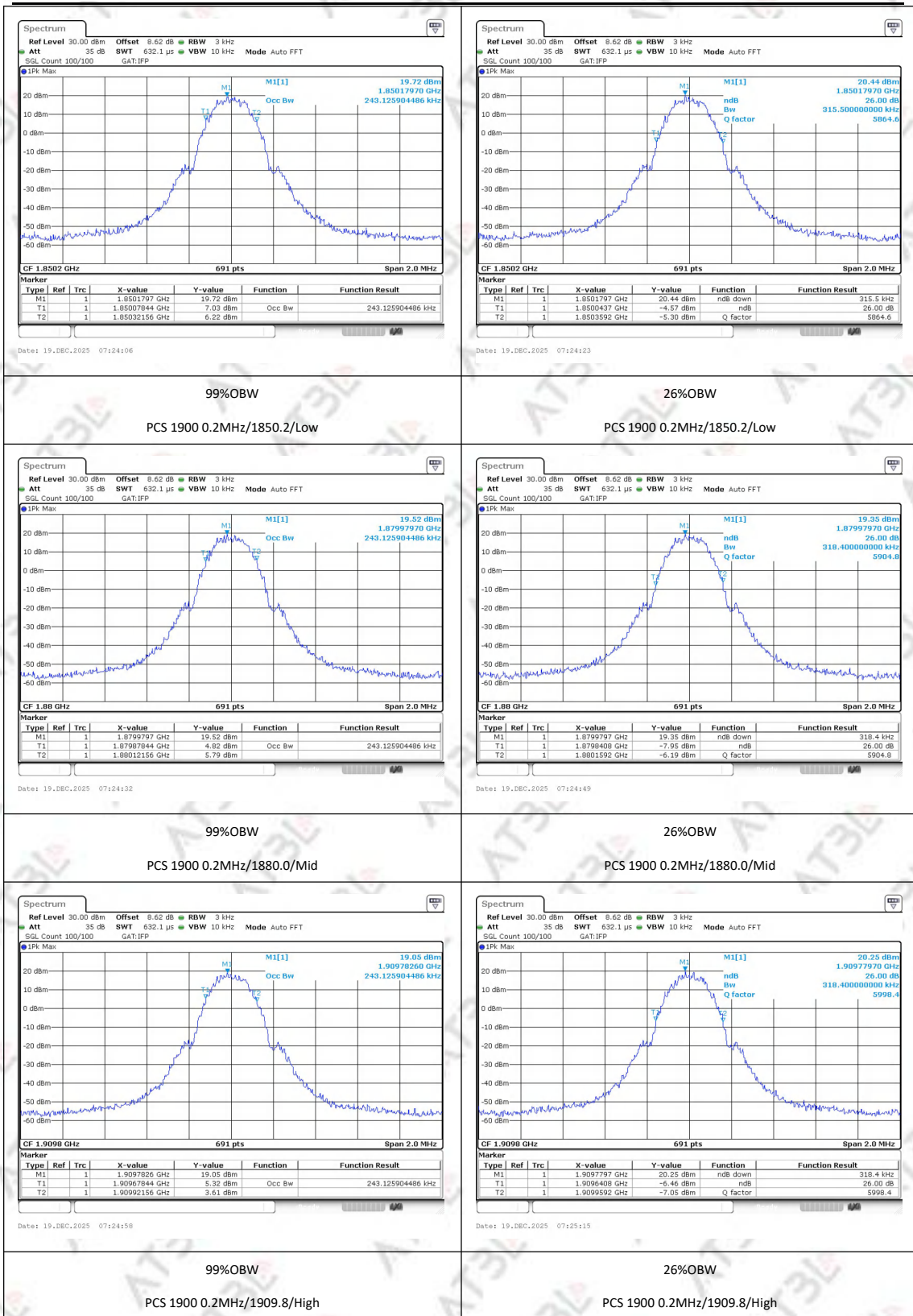




F3-1.Occupied Bandwidth GPRS

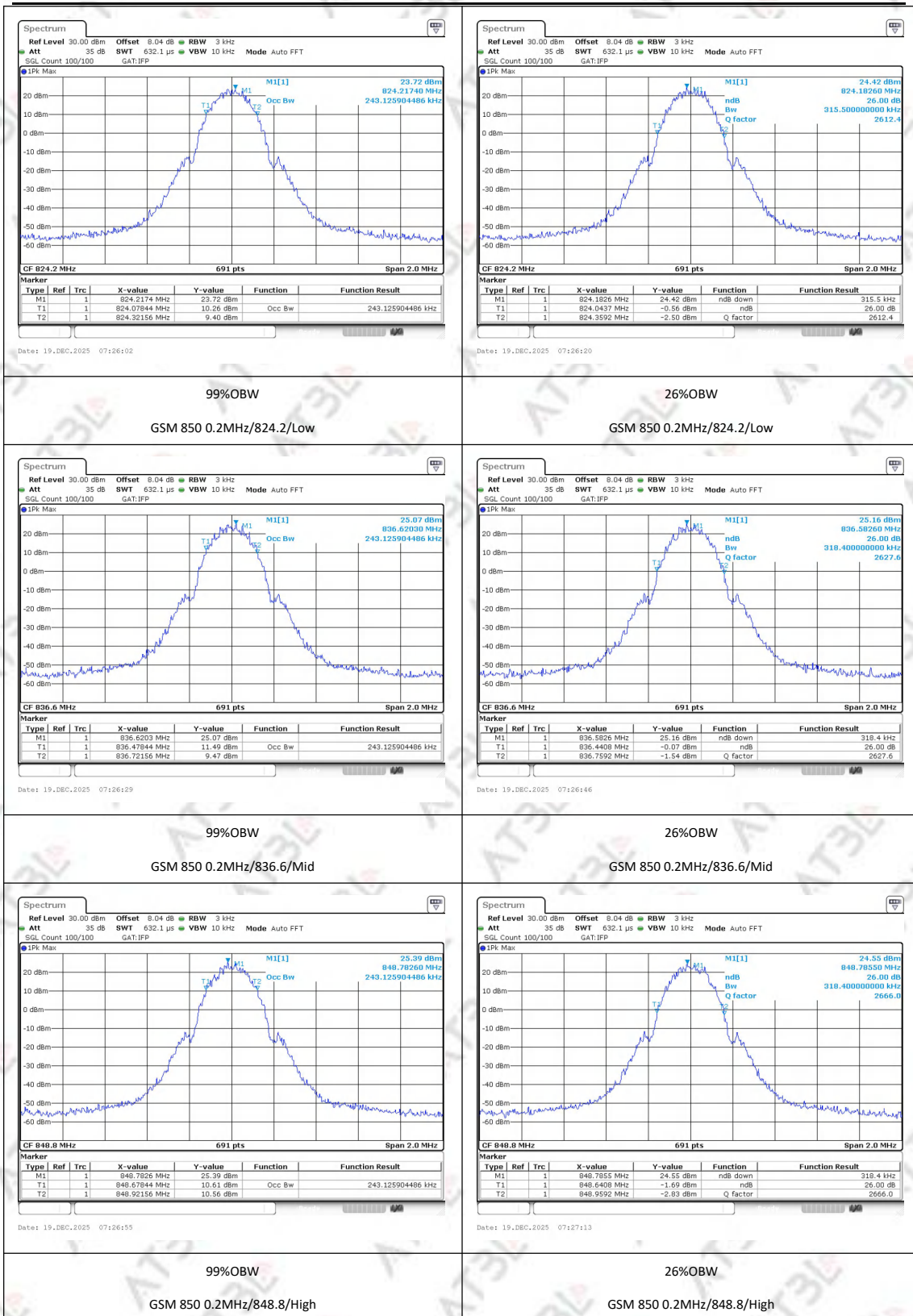
Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	128	824.2	1 Tx	0.24313	0.3184	PASS
GSM 850	190	836.6	1 Tx	0.24313	0.3155	PASS
GSM 850	251	848.8	1 Tx	0.24313	0.3155	PASS
PCS 1900	512	1850.2	1 Tx	0.24313	0.3155	PASS
PCS 1900	661	1880.0	1 Tx	0.24313	0.3184	PASS
PCS 1900	810	1909.8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

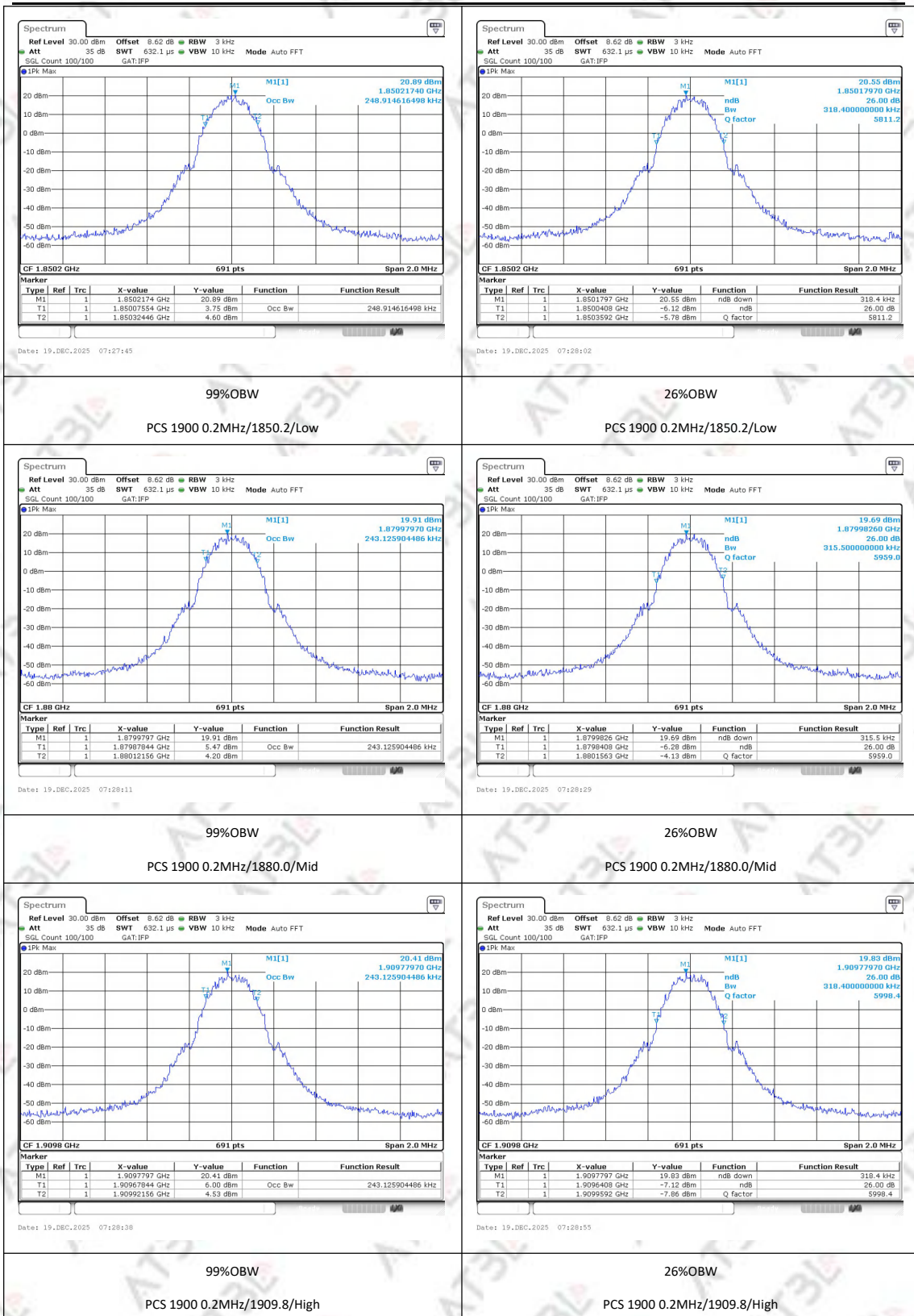




F3-2.Occupied Bandwidth EGPRS

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	0.3184	PASS
GSM 850	251	848.8	1 Tx	0.24313	0.3184	PASS
PCS 1900	512	1850.2	1 Tx	0.24891	0.3184	PASS
PCS 1900	661	1880.0	1 Tx	0.24313	0.3155	PASS
PCS 1900	810	1909.8	1 Tx	0.24313	0.3184	PASS



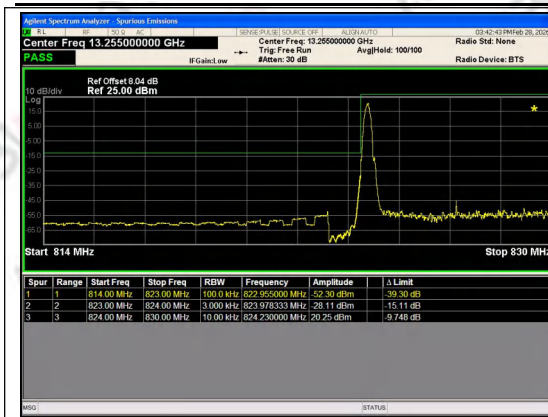


F4.Conducted Band Edge

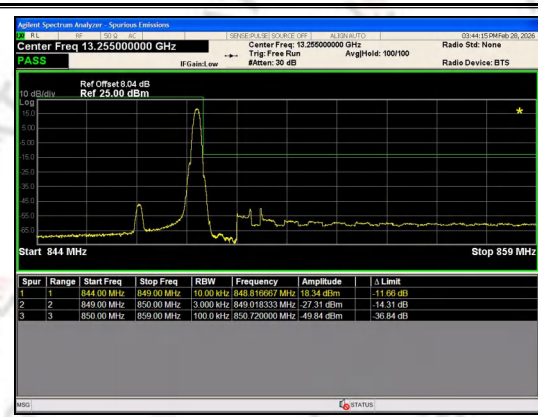
Band	Channel	Freq (MHz)	Result	Verdict
GSM 850	128	824.2	see graph	PASS
GSM 850	251	848.8	see graph	PASS
PCS 1900	512	1850.2	see graph	PASS
PCS 1900	810	1909.8	see graph	PASS



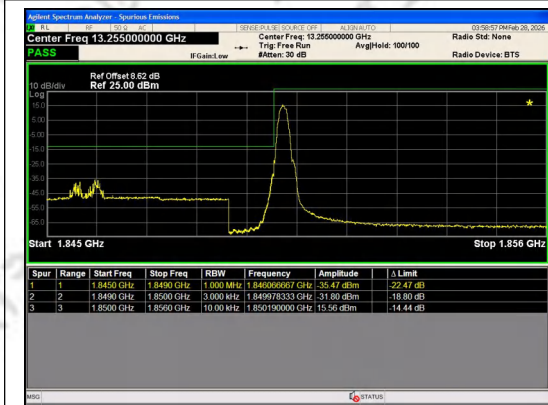
Report No.:SHATBL2602003W05



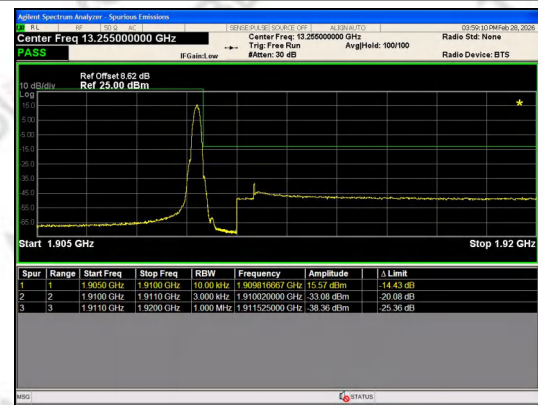
GSM 850 0.2MHz/824.2/Low



GSM 850 0.2MHz/848.8/High



PCS 1900 0.2MHz/1850.2/Low



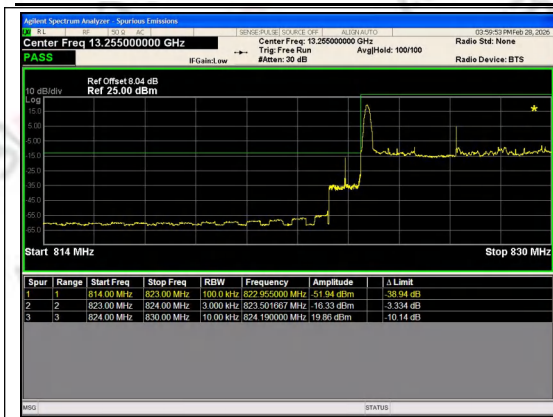
PCS 1900 0.2MHz/1909.8/High

F4-1.Conducted Band Edge GPRS

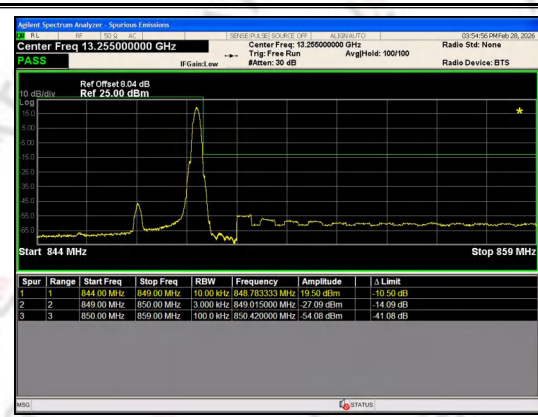
Band	Channel	Freq (MHz)	Slots	Result	Verdict
GSM 850	128	824.2	1 Tx	see graph	PASS
GSM 850	251	848.8	1 Tx	see graph	PASS
PCS 1900	512	1850.2	1 Tx	see graph	PASS
PCS 1900	810	1909.8	1 Tx	see graph	PASS



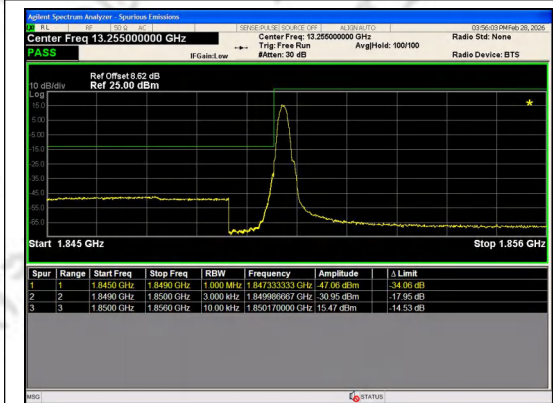
Report No.:SHATBL2602003W05



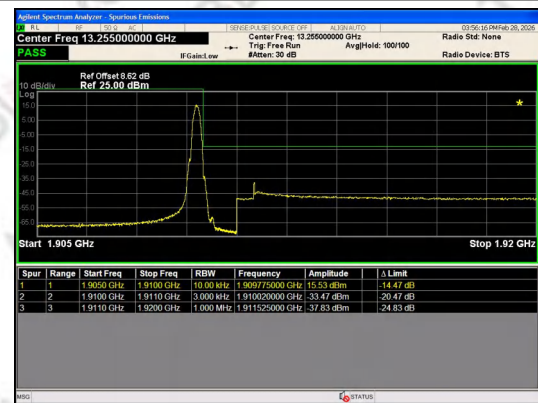
GSM 850 0.2MHz/824.2/Low



GSM 850 0.2MHz/848.8/High



PCS 1900 0.2MHz/1850.2/Low



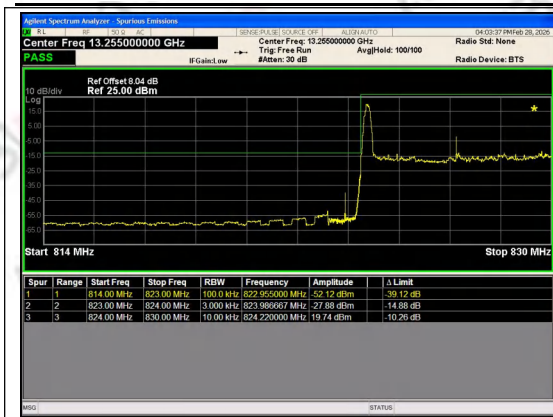
PCS 1900 0.2MHz/1909.8/High

F4-2.Conducted Band Edge EGPRS

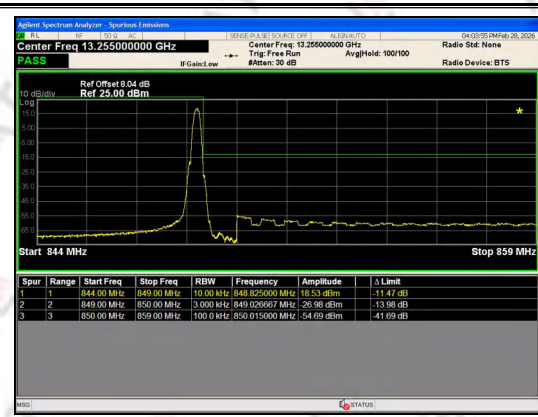
Band	Channel	Freq (MHz)	Slots	Result	Verdict
GSM 850	128	824.2	1 Tx	see graph	PASS
GSM 850	251	848.8	1 Tx	see graph	PASS
PCS 1900	512	1850.2	1 Tx	see graph	PASS
PCS 1900	810	1909.8	1 Tx	see graph	PASS



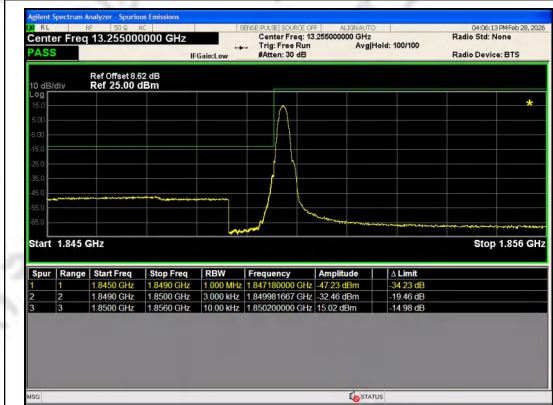
Report No.:SHATBL2602003W05



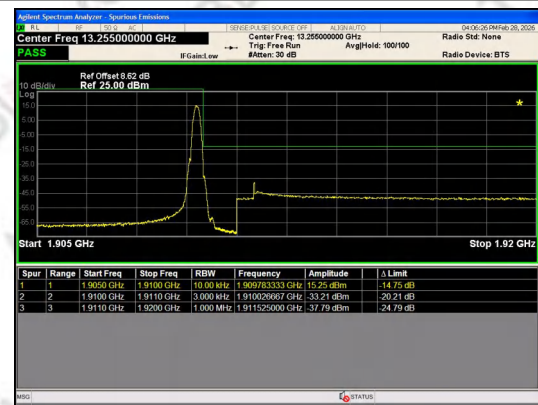
GSM 850 0.2MHz/824.2/Low



GSM 850 0.2MHz/848.8/High



PCS 1900 0.2MHz/1850.2/Low



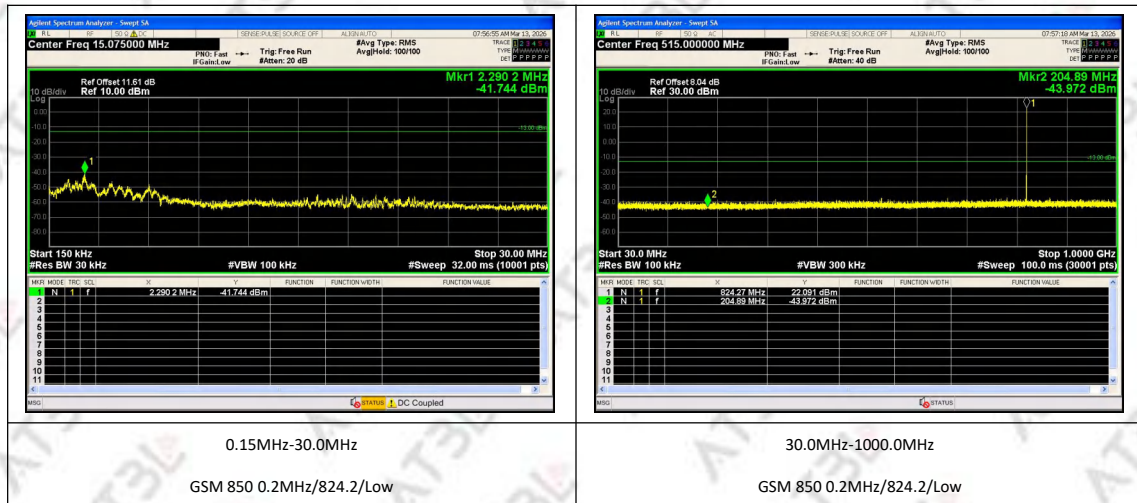
PCS 1900 0.2MHz/1909.8/High

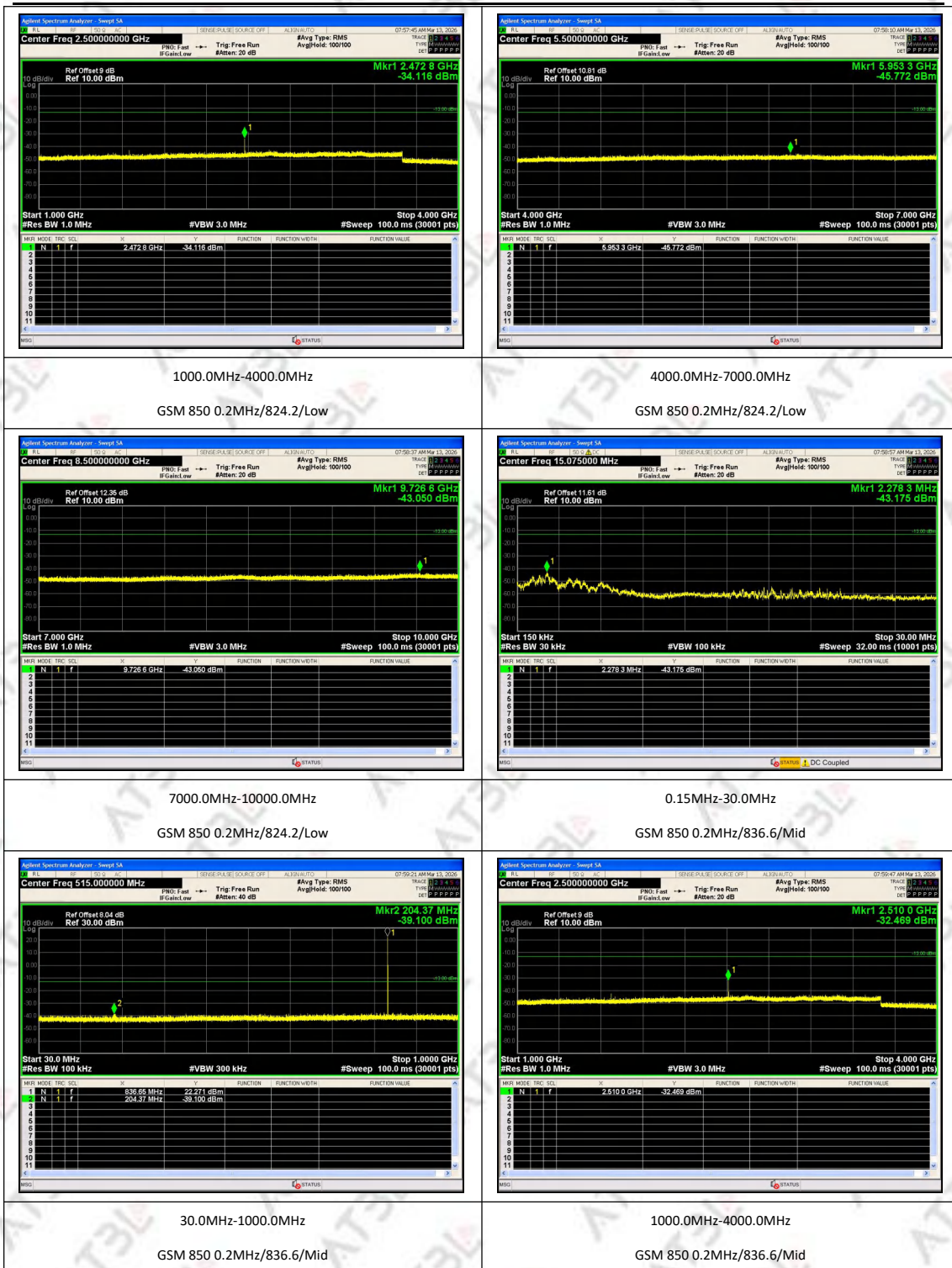
F5.Conducted Spurious Emissions

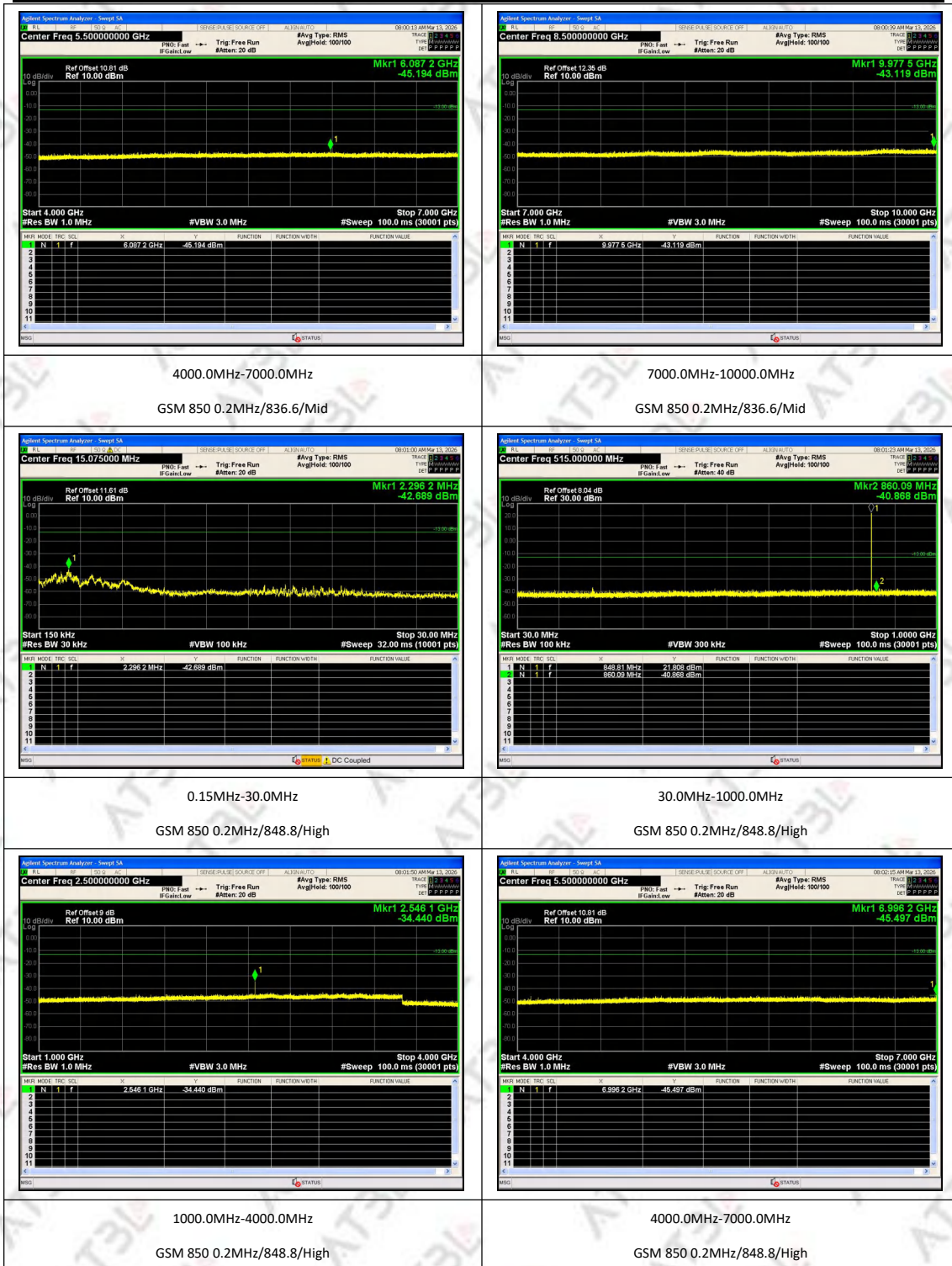
Test Result

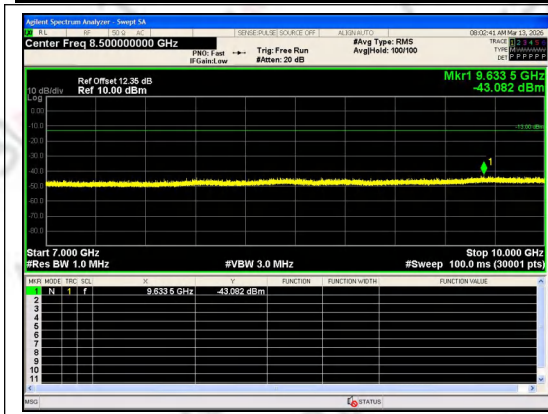
Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM 850	128	824.2	0.15	30.0	-41.74	-13	PASS
GSM 850	128	824.2	30.0	1000.0	-36.97	-13	PASS
GSM 850	128	824.2	1000.0	4000.0	-34.12	-13	PASS
GSM 850	128	824.2	4000.0	7000.0	-45.77	-13	PASS
GSM 850	128	824.2	7000.0	10000.0	-43.05	-13	PASS
GSM 850	190	836.6	0.15	30.0	-43.17	-13	PASS
GSM 850	190	836.6	30.0	1000.0	-36.08	-13	PASS
GSM 850	190	836.6	1000.0	4000.0	-32.47	-13	PASS
GSM 850	190	836.6	4000.0	7000.0	-45.19	-13	PASS
GSM 850	190	836.6	7000.0	10000.0	-43.12	-13	PASS
GSM 850	251	848.8	0.15	30.0	-42.69	-13	PASS
GSM 850	251	848.8	30.0	1000.0	-36.55	-13	PASS
GSM 850	251	848.8	1000.0	4000.0	-34.44	-13	PASS
GSM 850	251	848.8	4000.0	7000.0	-45.5	-13	PASS
GSM 850	251	848.8	7000.0	10000.0	-43.08	-13	PASS

Test Graphs









7000.0MHz-10000.0MHz

GSM 850 0.2MHz/848.8/High

Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
PCS 1900	512	1850.2	0.15	30.0	-43.29	-23	PASS
PCS 1900	512	1850.2	30.0	1000.0	-35.82	-13	PASS
PCS 1900	512	1850.2	1000.0	4000.0	-24.22	-13	PASS
PCS 1900	512	1850.2	4000.0	7000.0	-44.94	-13	PASS
PCS 1900	512	1850.2	7000.0	10000.0	-43.07	-13	PASS
PCS 1900	512	1850.2	10000.0	13000.0	-39.95	-13	PASS
PCS 1900	512	1850.2	13000.0	16000.0	-36.83	-13	PASS
PCS 1900	512	1850.2	16000.0	19000.0	-33.89	-13	PASS
PCS 1900	512	1850.2	19000.0	20000.0	-33.13	-13	PASS
PCS 1900	661	1880.0	0.15	30.0	-43.6	-23	PASS
PCS 1900	661	1880.0	30.0	1000.0	-37.27	-13	PASS
PCS 1900	661	1880.0	1000.0	4000.0	-23.67	-13	PASS
PCS 1900	661	1880.0	4000.0	7000.0	-45.26	-13	PASS
PCS 1900	661	1880.0	7000.0	10000.0	-43.15	-13	PASS
PCS 1900	661	1880.0	10000.0	13000.0	-39.61	-13	PASS
PCS 1900	661	1880.0	13000.0	16000.0	-36.84	-13	PASS
PCS 1900	661	1880.0	16000.0	19000.0	-34.49	-13	PASS
PCS 1900	661	1880.0	19000.0	20000.0	-32.7	-13	PASS
PCS 1900	810	1909.8	0.15	30.0	-45.04	-23	PASS
PCS 1900	810	1909.8	30.0	1000.0	-38.7	-13	PASS
PCS 1900	810	1909.8	1000.0	4000.0	-23.58	-13	PASS
PCS 1900	810	1909.8	4000.0	7000.0	-45.78	-13	PASS
PCS 1900	810	1909.8	7000.0	10000.0	-42.8	-13	PASS
PCS 1900	810	1909.8	10000.0	13000.0	-39.87	-13	PASS
PCS 1900	810	1909.8	13000.0	16000.0	-36.72	-13	PASS
PCS 1900	810	1909.8	16000.0	19000.0	-34.26	-13	PASS
PCS 1900	810	1909.8	19000.0	20000.0	-33.24	-13	PASS

Test Graphs

