

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	PCL	Slot	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
GPRS850	128	5	1	33.91	32.41	38.45	PASS
GPRS850	128	5	2	33.15	31.65	38.45	PASS
GPRS850	128	5	3	31.38	29.88	38.45	PASS
GPRS850	128	5	4	30.19	28.69	38.45	PASS
GPRS850	190	5	1	33.87	32.37	38.45	PASS
GPRS850	190	5	2	33.11	31.61	38.45	PASS
GPRS850	190	5	3	31.35	29.85	38.45	PASS
GPRS850	190	5	4	30.22	28.72	38.45	PASS
GPRS850	251	5	1	33.62	32.12	38.45	PASS
GPRS850	251	5	2	32.88	31.38	38.45	PASS
GPRS850	251	5	3	31.15	29.65	38.45	PASS
GPRS850	251	5	4	30.04	28.54	38.45	PASS
GPRS1900	512	0	1	29.72	30.84	33.00	PASS
GPRS1900	512	0	2	28.96	30.08	33.00	PASS
GPRS1900	512	0	3	27.12	28.24	33.00	PASS
GPRS1900	512	0	4	25.97	27.09	33.00	PASS
GPRS1900	661	0	1	30.39	31.51	33.00	PASS
GPRS1900	661	0	2	29.65	30.77	33.00	PASS
GPRS1900	661	0	3	27.84	28.96	33.00	PASS
GPRS1900	661	0	4	26.68	27.80	33.00	PASS
GPRS1900	810	0	1	30.71	31.83	33.00	PASS
GPRS1900	810	0	2	29.98	31.10	33.00	PASS
GPRS1900	810	0	3	28.22	29.34	33.00	PASS
GPRS1900	810	0	4	27.06	28.18	33.00	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
EGPRS850	128	8	1	26.53	25.03	38.45	PASS
EGPRS850	128	8	2	25.21	23.71	38.45	PASS
EGPRS850	128	8	3	22.85	21.35	38.45	PASS
EGPRS850	128	8	4	21.37	19.87	38.45	PASS
EGPRS850	190	8	1	26.66	25.16	38.45	PASS
EGPRS850	190	8	2	25.46	23.96	38.45	PASS
EGPRS850	190	8	3	23.06	21.56	38.45	PASS
EGPRS850	190	8	4	21.53	20.03	38.45	PASS
EGPRS850	251	8	1	26.70	25.20	38.45	PASS
EGPRS850	251	8	2	25.47	23.97	38.45	PASS
EGPRS850	251	8	3	23.18	21.68	38.45	PASS
EGPRS850	251	8	4	21.57	20.07	38.45	PASS
EGPRS1900	512	2	1	26.04	27.16	33.00	PASS
EGPRS1900	512	2	2	24.95	26.07	33.00	PASS
EGPRS1900	512	2	3	22.91	24.03	33.00	PASS
EGPRS1900	512	2	4	21.60	22.72	33.00	PASS
EGPRS1900	661	2	1	25.27	26.39	33.00	PASS
EGPRS1900	661	2	2	24.21	25.33	33.00	PASS
EGPRS1900	661	2	3	22.17	23.29	33.00	PASS
EGPRS1900	661	2	4	20.96	22.08	33.00	PASS
EGPRS1900	810	2	1	24.50	25.62	33.00	PASS
EGPRS1900	810	2	2	23.42	24.54	33.00	PASS
EGPRS1900	810	2	3	21.35	22.47	33.00	PASS
EGPRS1900	810	2	4	20.20	21.32	33.00	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For GSM1900)

ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For GSM850)

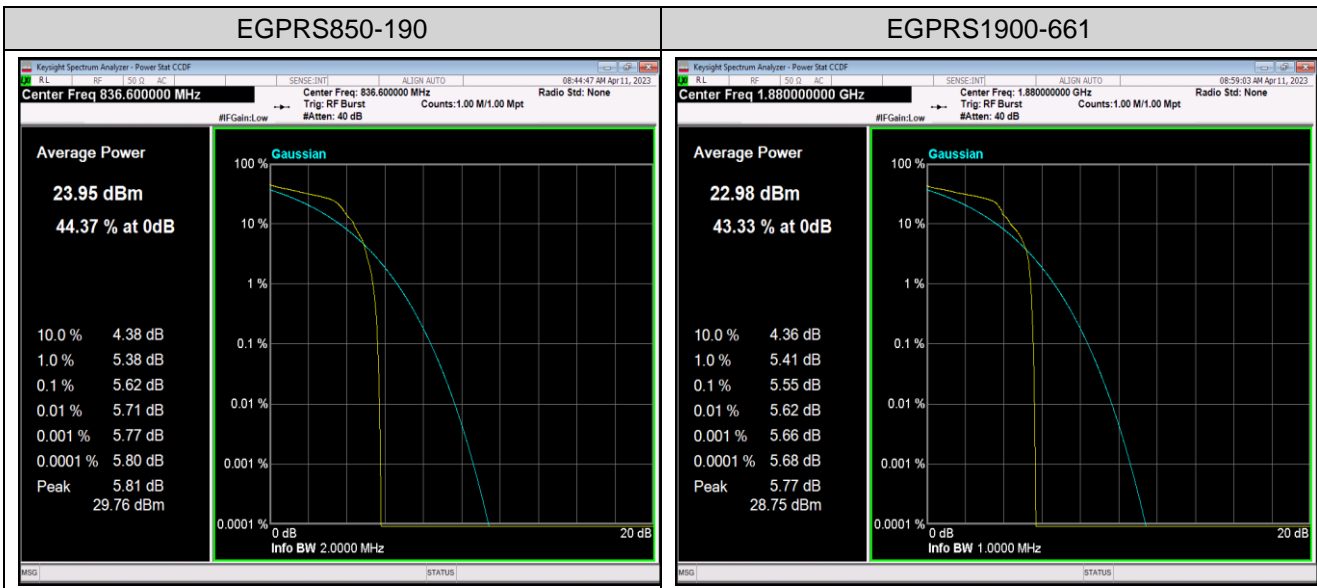
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
EGPRS850	190	8	5.62	13	PASS
EGPRS1900	661	2	5.55	13	PASS

Remark: All channel and all modulation had been tested, but only the worst case data displayed in this report.

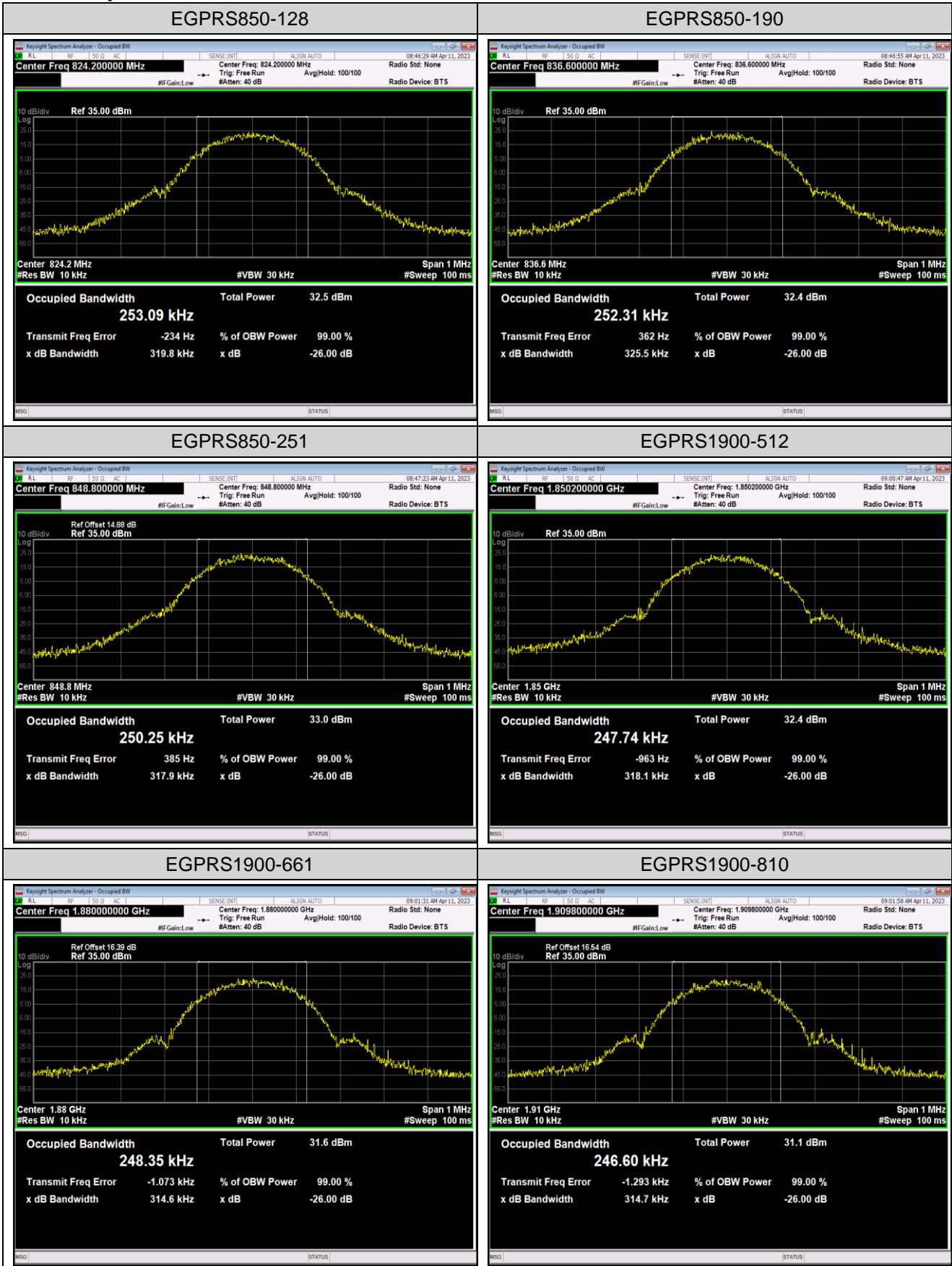
Test Graphs



Appendix C: 26dB Bandwidth and Occupied Bandwidth**Test Result**

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
EGPRS850	128	8	0.25309	0.3198	---	PASS
EGPRS850	190	8	0.25231	0.3255	---	PASS
EGPRS850	251	8	0.25025	0.3179	---	PASS
EGPRS1900	512	2	0.24774	0.3181	---	PASS
EGPRS1900	661	2	0.24835	0.3146	---	PASS
EGPRS1900	810	2	0.24660	0.3147	---	PASS

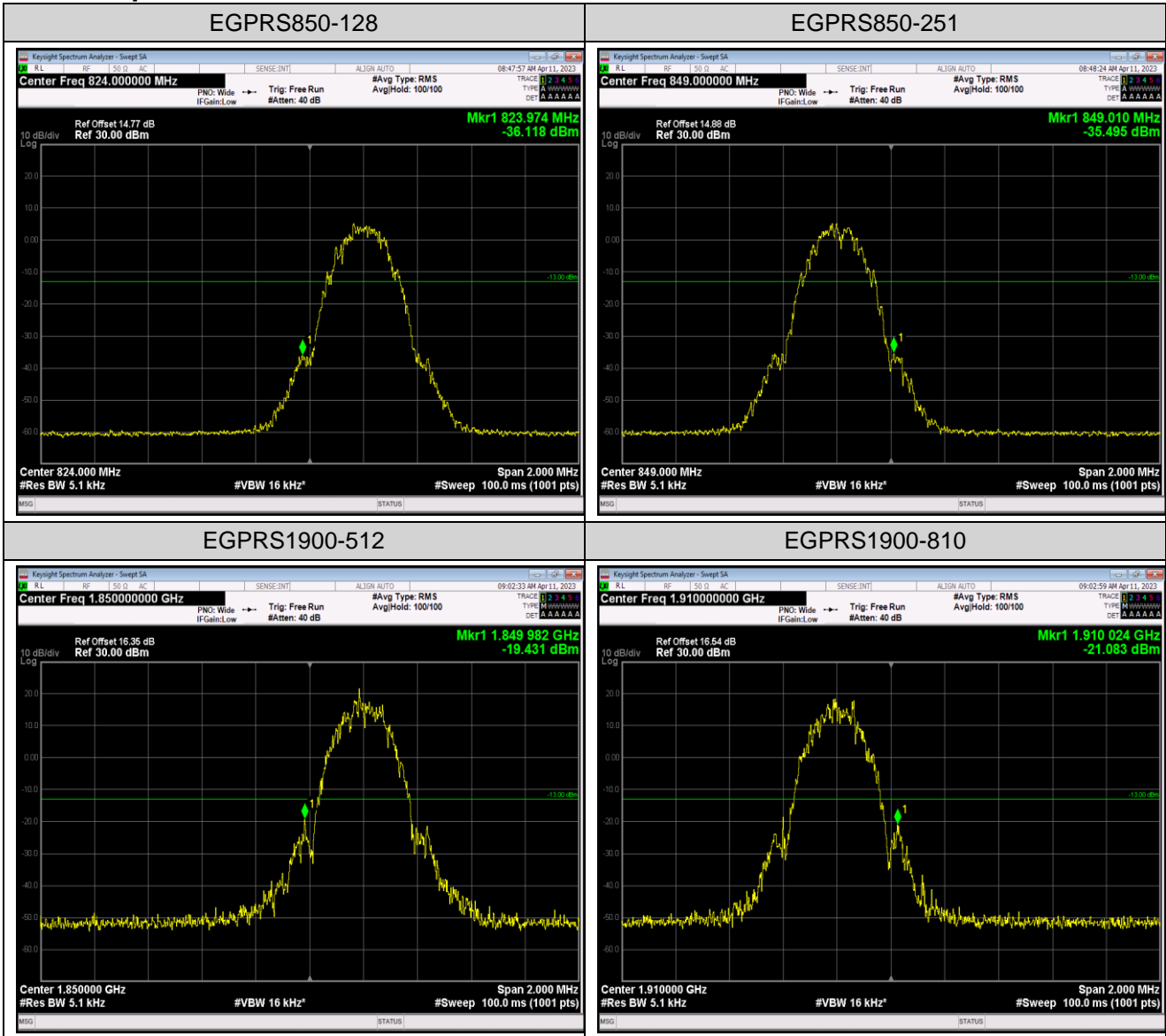
Test Graphs



Appendix D: Band Edge**Test Result**

Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
EGPRS850	128	8	823.97	-36.12	-13	PASS
EGPRS850	251	8	849.01	-35.50	-13	PASS
EGPRS1900	512	2	1849.98	-19.43	-13	PASS
EGPRS1900	810	2	1910.02	-21.08	-13	PASS

Test Graphs



Appendix F: Frequency Stability

Test Result

Reference Frequency: EGPRS850 Middle channel=190 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	6.10	0.007291	±2.5	Pass
	-20	4.55	0.005439		
	-10	5.62	0.006718		
	0	8.04	0.009610		
	10	3.52	0.004208		
	20	7.75	0.009264		
	30	14.72	0.017595		
	40	9.52	0.011379		
	50	11.24	0.013435		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.33	1.84	0.002199	±2.5	Pass
	3.70	5.00	0.005977		
	4.07	5.91	0.007064		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: EGPRS1900 Middle channel=661 Frequency=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	12.59	0.006697	Within authorized band for PCS 1900	Pass
	-20	15.34	0.008160		
	-10	15.50	0.008245		
	0	11.36	0.006043		
	10	7.85	0.004176		
	20	8.46	0.004500		
	30	4.94	0.002628		
	40	9.20	0.004894		
	50	4.36	0.002319		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.33	16.69	0.008878	Within authorized band for PCS 1900	Pass
	3.70	18.37	0.009771		
	4.07	18.53	0.009856		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
EGPRS850	190	PASS	PASS
EGPRS1900	661	PASS	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs

