

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	33.39	29.34	38.45	PASS
GPRS850	128	5	2	31.44	27.39	38.45	PASS
GPRS850	128	5	3	29.57	25.52	38.45	PASS
GPRS850	128	5	4	27.06	23.01	38.45	PASS
GPRS850	190	5	1	33.49	29.44	38.45	PASS
GPRS850	190	5	2	31.43	27.38	38.45	PASS
GPRS850	190	5	3	29.55	25.50	38.45	PASS
GPRS850	190	5	4	27.06	23.01	38.45	PASS
GPRS850	251	5	1	33.38	29.33	38.45	PASS
GPRS850	251	5	2	31.25	27.20	38.45	PASS
GPRS850	251	5	3	29.41	25.36	38.45	PASS
GPRS850	251	5	4	26.95	22.90	38.45	PASS
GPRS1900	512	0	1	29.67	30.77	33.00	PASS
GPRS1900	512	0	2	27.65	28.75	33.00	PASS
GPRS1900	512	0	3	26.12	27.22	33.00	PASS
GPRS1900	512	0	4	24.11	25.21	33.00	PASS
GPRS1900	661	0	1	29.70	30.80	33.00	PASS
GPRS1900	661	0	2	27.46	28.56	33.00	PASS
GPRS1900	661	0	3	25.91	27.01	33.00	PASS
GPRS1900	661	0	4	23.89	24.99	33.00	PASS
GPRS1900	810	0	1	29.63	30.73	33.00	PASS
GPRS1900	810	0	2	27.16	28.26	33.00	PASS
GPRS1900	810	0	3	25.60	26.70	33.00	PASS
GPRS1900	810	0	4	23.54	24.64	33.00	PASS

Band	Channel	PCL	Slot	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
EGPRS850	128	8	1	26.07	22.02	38.45	PASS
EGPRS850	128	8	2	25.96	21.91	38.45	PASS
EGPRS850	128	8	3	24.72	20.67	38.45	PASS
EGPRS850	128	8	4	22.20	18.15	38.45	PASS
EGPRS850	190	8	1	26.41	22.36	38.45	PASS
EGPRS850	190	8	2	26.39	22.34	38.45	PASS

EGPRS850	190	8	3	25.20	21.15	38.45	PASS
EGPRS850	190	8	4	22.89	18.84	38.45	PASS
EGPRS850	251	8	1	26.19	22.14	38.45	PASS
EGPRS850	251	8	2	26.11	22.06	38.45	PASS
EGPRS850	251	8	3	24.97	20.92	38.45	PASS
EGPRS850	251	8	4	22.70	18.65	38.45	PASS
EGPRS1900	512	2	1	25.44	26.54	33.00	PASS
EGPRS1900	512	2	2	25.27	26.37	33.00	PASS
EGPRS1900	512	2	3	23.62	24.72	33.00	PASS
EGPRS1900	512	2	4	21.48	22.58	33.00	PASS
EGPRS1900	661	2	1	25.14	26.24	33.00	PASS
EGPRS1900	661	2	2	25.06	26.16	33.00	PASS
EGPRS1900	661	2	3	23.53	24.63	33.00	PASS
EGPRS1900	661	2	4	21.24	22.34	33.00	PASS
EGPRS1900	810	2	1	24.93	26.03	33.00	PASS
EGPRS1900	810	2	2	24.81	25.91	33.00	PASS
EGPRS1900	810	2	3	23.24	24.34	33.00	PASS
EGPRS1900	810	2	4	21.15	22.25	33.00	PASS

Remark: $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$. (For GSM1900)

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

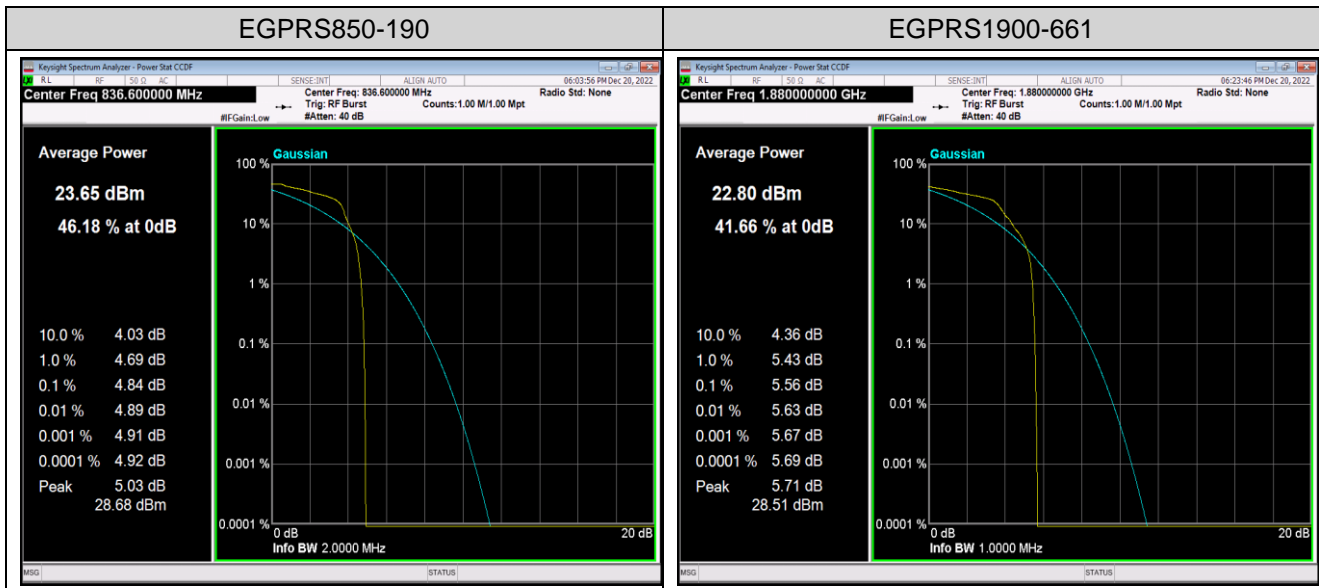
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
EGPRS850	190	8	4.84	13	PASS
EGPRS1900	661	2	5.56	13	PASS

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

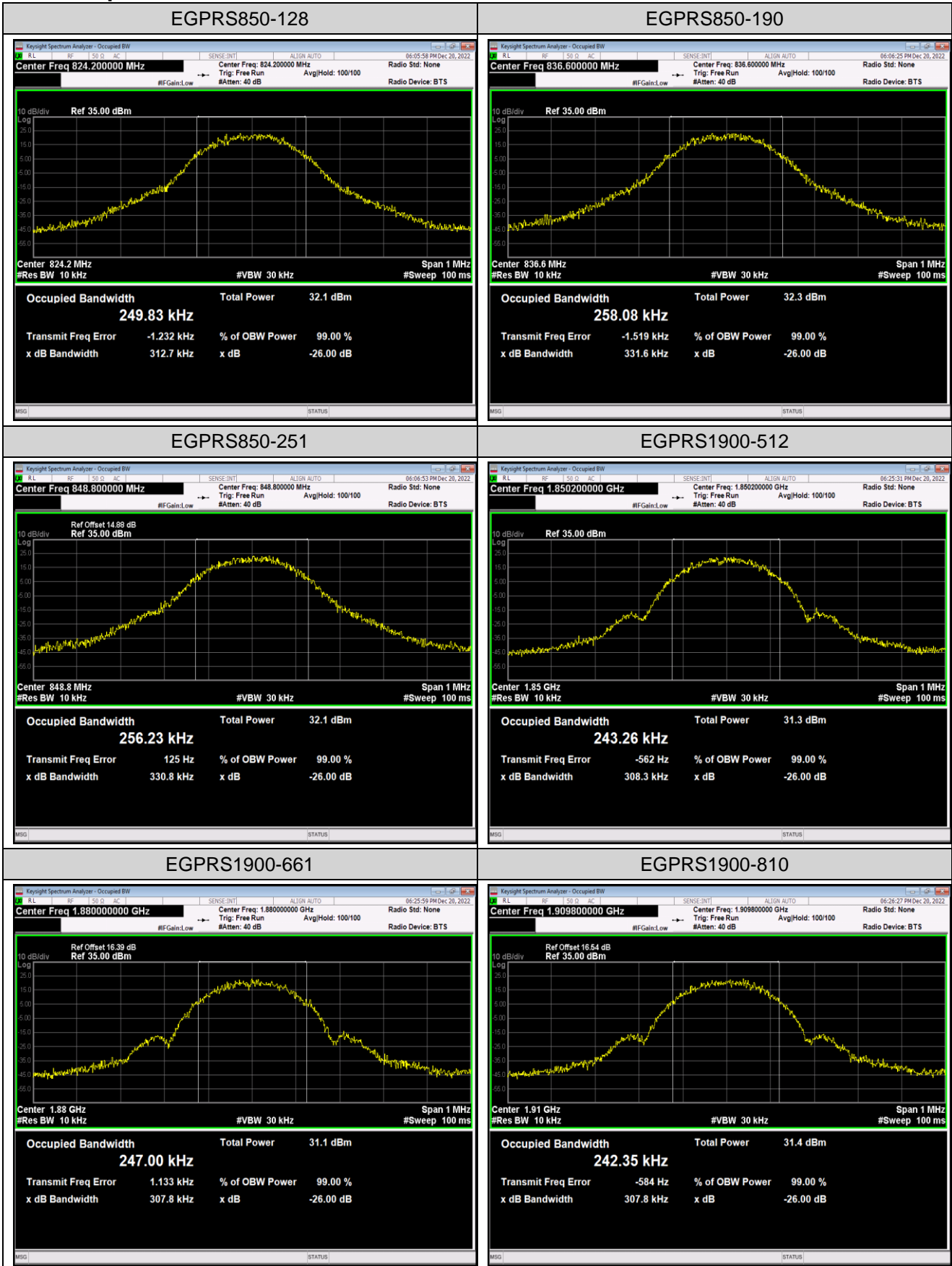
Test Graphs



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

Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
EGPRS850	128	8	0.24983	0.3127	---	PASS
EGPRS850	190	8	0.25808	0.3316	---	PASS
EGPRS850	251	8	0.25623	0.3308	---	PASS
EGPRS1900	512	2	0.24326	0.3083	---	PASS
EGPRS1900	661	2	0.24700	0.3078	---	PASS
EGPRS1900	810	2	0.24235	0.3078	---	PASS

Test Graphs

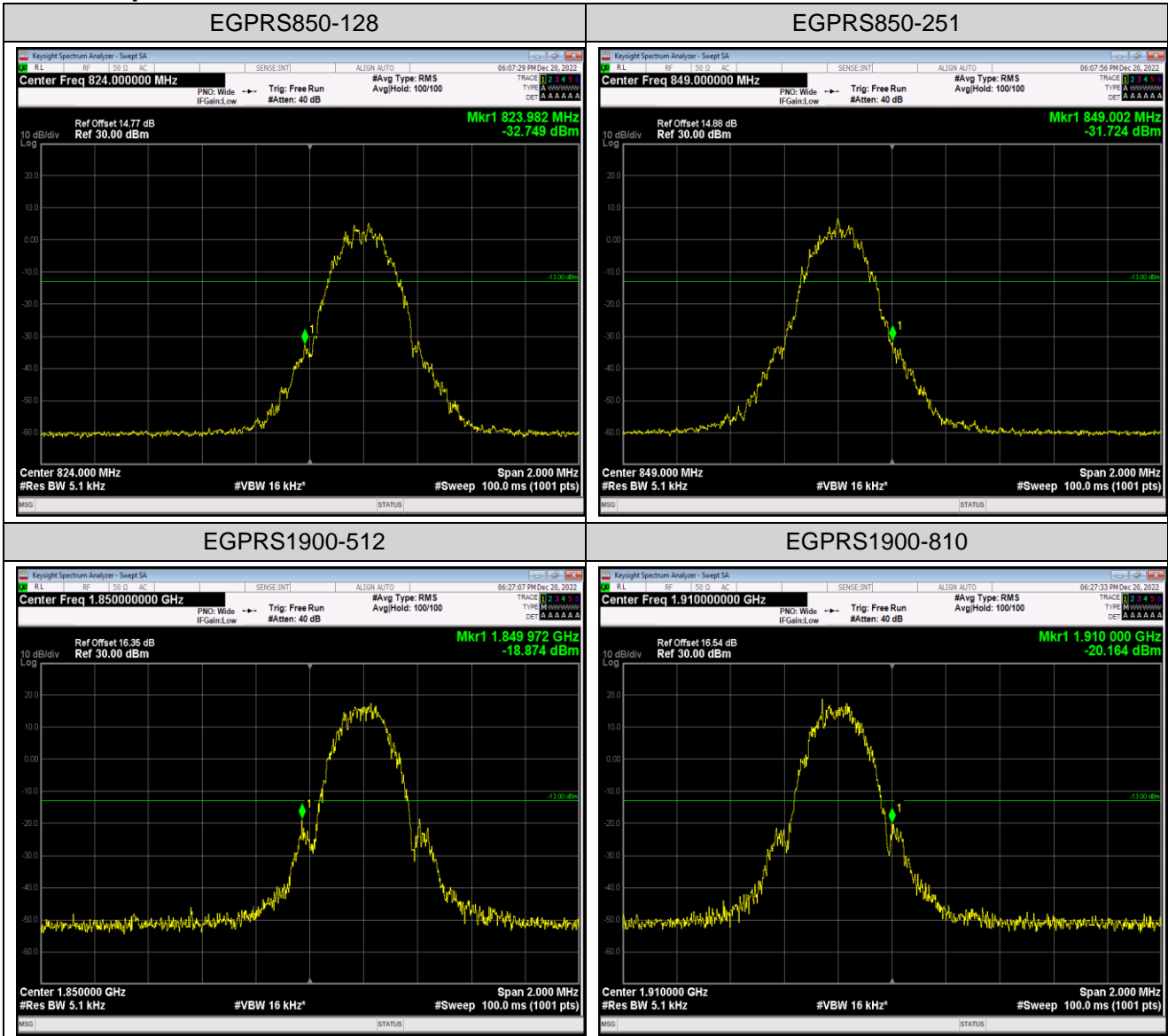


Appendix D: Band Edge

Test Result

Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
EGPRS850	128	8	823.98	-32.75	-13	PASS
EGPRS850	251	8	849.00	-31.72	-13	PASS
EGPRS1900	512	2	1849.97	-18.87	-13	PASS
EGPRS1900	810	2	1910.00	-20.16	-13	PASS

Test Graphs



Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	PCL	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
@FCC_GSM_Spurious_emissions_at_antenna_terminals@							
BandName	Channel	PCL	TestFrequency	Freq	Result	Limit	Verdict

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

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		
3.85	-30	11.69	0.013973	±2.5	Pass
	-20	10.94	0.013077		
	-10	11.14	0.013316		
	0	12.88	0.015396		
	10	7.23	0.008642		
	20	13.27	0.015862		
	30	11.43	0.013662		
	40	9.78	0.011690		
	50	8.59	0.010268		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	8.27	0.009885	±2.5	Pass
	3.85	6.36	0.007602		
	4.45	8.39	0.010029		
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		
3.85	-30	10.65	0.005665	Within authorized band for PCS 1900	Pass
	-20	14.75	0.007846		
	-10	16.24	0.008638		
	0	8.94	0.004755		
	10	10.62	0.005649		
	20	4.07	0.002165		
	30	15.72	0.008362		
	40	14.69	0.007814		
	50	8.10	0.004309		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	7.52	0.004000	Within authorized band for PCS 1900	Pass
	3.85	3.81	0.002027		
	4.45	9.33	0.004963		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

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

