

Electromagnetic Emissions	
Radiated spurious	FCC Part 24 / Part 15 Class \ B GSM 11.10 Section 12.2 EN 55022 Class B

Electromagnetic Immunity (per ETSI ETS 300 342-1)	
Radio Frequency (RF) Electromagnetic Field	3 V/m 800 – 1000 MHz; 1 kHz 80% EN 61000-4-3
Electrostatic discharge (ESD)	Contact discharge to coupling planes: ± 2 kV, ± 4 kV Air discharge to coupling planes: ± 2 kV, ± 4 kV, ± 8 kV
RF common mode	3 V rms (Level 2) 150 kHz – 80 MHz EN 61000-4-6

5.3 Operating Power

The Enfora Enabler II-G module requires an input voltage of 3.3 Vdc to 4.5 Vdc.

5.3.1 GSM Operating Power

Enfora Enabler II-G (@ 3.76 Volts)			Typical Current (mAmps)	Typical Peak Current (Amps)
GSM 850 EGSM 900	GSM	1 TX 1 RX	254 mA	1.6 A @ 32.5 dBm
		1 RX	104 mA	
		Idle	< 5 mA	
DCS 1800	GSM	1 TX 1 RX	212 mA	1.2 A @ 29.5 dBm
		1 RX	104 mA	
		Idle	< 5 mA	
PCS 1900	GSM	1 TX 1 RX	200 mA	1.4 A @ 29.5 dBm
		1 RX	104 mA	
		Idle	< 5 mA	

5.3.2 GPRS Operating Power

Enfora Enabler II-G (@ 3.76 Volts)			Typical Current (mAmps)	Typical Peak Current (Amps)
GSM 850 EGSM 900	GPRS	1 TX /1RX	240 mA	1.6 A @ 32.5 dBm
		2 TX/ 2RX	422 mA	
		1 TX/ 2RX	253 mA	
		1 TX/ 3RX	270 mA	
		1 TX/ 4RX	290 mA	
		1 RX	104 mA	
		Idle	< 5 mA	
DCS 1800	GPRS	1 TX /1RX	196 mA	1.2 A @ 29.5 dBm
		2 TX/ 2RX	350 mA	
		1 TX/ 2RX	207 mA	
		1 TX/ 3RX	224 mA	
		1 TX/ 4RX	244 mA	
		1 RX	104 mA	
		Idle	< 5 mA	
PCS 1900	GPRS	1 TX /1RX	183 mA	1.4 A @ 29.5 dBm
		2 TX/ 2RX	325 mA	
		1 TX/ 2RX	195 mA	
		1 TX/ 3RX	212 mA	
		1 TX/ 4RX	232 mA	
		1 RX	104 mA	
		Idle	< 5 mA	