$S = GP/(4piR^2)$  S = power density

P = power output

G = antenna gain

R = distance to antenna

PD = power density

	<b>GPRS</b>				
	800		RFID		
Р	30.63	(dBm)	29.43	(dBm	)
Р	1156	(mW)	877	(mW)	
G	2	(dBi)	2.7	(dBi)	
G numeric	1.58	(numeric)	1.86	(nume	eric)
R	20	(cm)	20	(cm)	
<b>Duty Cycle</b>	50	(%)	100	(%)	
Frequency	824	(MHz)	902	(MHz	)
MPE limit	0.549	(mW/cm^2)	0.601	(mW/	cm^2)
PD	0.182	(mW/cm^2)	0.325	mW/	cm^2)
Margin	4.8	(dB)	2.7	(dB)	
Combined	0.33179	+	0.540275	=	0.87