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

P = power output

G = antenna gain

R = distance to antenna

PD = power density

	GPRS 800	·	ВT		RFID		
Р	30.63	(dBm)	2.06	(dBm)	29.43	(dBm)	
Р	1156	(mW)	1.61	(mW)	877	_ (mW)	
G	2	(dBi)	1.3	(dBi)	2.7	(dBi)	
G numeric	1.58	(numeric)	1.35	(numeric)	1.86	(numeric)	
R	20	(cm)	20	(cm)	20	(cm)	
Duty Cycle	50	(%)	100	(%)	100	(%)	
Frequency	824	(MHz)	2402	(MHz)	902	(MHz)	
MPE limit	0.549	(mW/cm^2)	1.0	(mW/cm^2)	0.601	_(mW/cm^2	2)
PD	0.182	(mW/cm^2)	0.000431	(mW/cm^2)	0.325	(mW/cm^2	2)
Margin	4.8	(dB)	33.7	(dB)	2.7	(dB)	
Combined	0.33179	+	0.000431	+	0.54	=	0.87