



RF Exposure evaluation for mobile use

Model: EWE

FCC ID: 2AN3Q-EWE

IC ID: 23358-EWE

RF Exposure Evaluation

Standards
OET Bulletin 65 Edition 97-01 August 1997
FCC 47 CFR §1.1307
FCC 47 CFR §1.1310

Test limits

As specified in Table 1B of 47 CFR 1.1310 – Limits for Maximum Permissible Exposure (MPE), Limits for General Population/Uncontrolled Exposure.

Frequency range (MHz)	Power density (mW/cm ²)
300 – 1,500	f/1500
1,500 – 100,000	1.0

Equation OET bulletin 65, page 18, edition 97-01:
$$S = \frac{PG}{4\pi R^2} = \frac{EIRP}{4\pi R^2}$$

Where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Band	Frequency (MHz)	Antenna Gain (dBi)	Output Power - conducted- (dBm)	Output Power - conducted- (mW)	IC Limit (mW/cm ²)	FCC Limit (mW/cm ²)	Power Density value (mW/cm ²)
Bluetooth	2440	1	2.70	1.86	0.5409	1.0000	0.0005

Yours sincerely,

Dirk Bratsch

Margin to FCC Limit (mW/cm ²)	Margin to IC Limit (mW/cm ²)	Minimum Distance to be ensured cm (FCC)	Minimum Distance to be ensured cm (IC)
0.9995	0.5404	0.43	0.58