



RF Exposure evaluation for mobile use

Model: **Vacuum cleaner retrofit module CT-F I/M**

FCC ID: **2AL2E-CTFIM**

IC ID: **22501-CTFIM**

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	2480	2.14	3.30	2.14	0.5469	1.0000	0.0007

Yours sincerely,

Dirk Bratsch

Margin to FCC Limit (mW/cm ²)	Margin to IC Limit (mW/cm ²)
0.9993	0.5462