



## RF Exposure evaluation for mobile use

Model: **Bosch Track & Trace Connect Gateway  
Connect S 2**

Contains FCC ID: **2AOSY-CONNECT02**

### 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 <sup>2</sup> )
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	Mode	Frequency (MHz)	Output Power conducted- (dBm)	Output Power conducted- (mW)	FCC /IC Limit (mW/cm <sup>2</sup> )	Maximum antenna gain to meet MPE limit (dbi)	Separation distance (cm)
2.4 GHz ISM	BT LE	2480	-40.2	0,000095	1	2.0	0,0035

Yours sincerely,

Dirk Bratsch