



## RF Exposure evaluation for mobile use

Model: **BOSCH-RCC AXXCEMXX PSA RCC A2**

FCC ID: **YBN-PSARCCA200**

### 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	Duty Cycle	Frequency (MHZ)	Maximum Conducted output power (dBm)	Equivalent conducted output power (mW)	FCC MPE Limit (mW/cm <sup>2</sup> )	MPE Value using Max gain of 3 dBi	Separation distance (cm)	Verdict
Bluetooth	GFSK 1-DH1	64.0%	2441.0	0.8	1.13	1.0000	0.0010	20	Pass
WLAN b-mode	OFDM	100%	2462	19.30	85.11	0.5442	0.5442	20	Pass

Yours sincerely,

Dirk Bratsch