

The BiancaMed Sleep Monitor includes a Bluetooth module with FCC ID: QQQWT11.

Sleep Monitor (5.8GHz)

Peak field strength = 67.3dBuV/m at 3m = -27.93dBm EIRP

*Power density at 20cm = **0.000001 mW/cm²** (Limit 1 mW/cm² at 20cm)*

Bluetooth module (2.4GHz)

Conducted output power = 13.47dBm

Antenna Gain = 0dBi

*Power density at 20cm = **0.004423 mW/cm²** (Limit 1 mW/cm² at 20cm)*

PD1 = Power density of 1st transmitter

PD2 = Power density of 2nd transmitter

L1 = Power density limit for 1st transmitter

L2 = Power density limit for 2nd transmitter

Requirement

$PD1/L1 + PD2/L2 < 1$

$$\begin{array}{l} \mathbf{0.000001/1 + 0.004423/1 < 1} \\ \mathbf{0.004424 < 1} \end{array}$$

Therefore device complies with FCC RF radiation exposure limits for general population as a mobile device (d > 20cm).