## MPE Calculations

The device is not a portable device (i.e. intended to be worn on the body or be handheld), so it is classified as being either a mobile device or a fixed mounted device. The user's manual specifies a minimum separation distance of at least 20 cm , consistent with this classification.

FCC part 1.1310, Table 1 limits the power density for uncontrolled exposure. The power density, $\mathrm{P}_{\mathrm{d}}\left(\mathrm{mW} / \mathrm{cm}^{2}\right)$ calculated from the maximum EIRP, $\mathrm{P}_{\mathrm{t}}(\mathrm{mW})$ and the distance, d $(\mathrm{m})$, between the transmitting antenna and the closest person, can be calculated using:

$$
\mathrm{P}_{\mathrm{d}}=\mathrm{P}_{\mathrm{t}} /\left(4 \pi \mathrm{~d}^{2}\right)
$$

| Frequency | MPE <br> Limit <br> $\left(\mathrm{mW} / \mathrm{cm}^{2}\right)$ | Output <br> Power <br> $(\mathrm{mW})$ | Max. <br> Antenna <br> Gain (dBi) | EIRP <br> $(\mathrm{mW})$ | Pd at 20cm <br> $\left(\mathrm{mW} / \mathrm{cm}^{2}\right)$ | Distance <br> where Pd $=$ <br> limit $(\mathrm{cm})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2402 to <br> 2480 MHz | 1.00 | 2.5 | 4.1 | 6.5 | 0.001 | 0.7 |

At 20cm from the device the contribution from the Bluetooth device is well below the limit.

Note that as the device is below the $60 / \mathrm{f}(\mathrm{GHz})$ threshold power of 25 mW for a 2.4 GHz device, it is not restricted to mobile use but could be classified as a portable device when no other transceivers are installed in the base device.

