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relating to item 1)

MPE estimation analysis for base unit as mobile device:

Because of the low transmitted peak power of less than **<u>26</u>** dBm this device complies with the MPE requirements.

Determination of Power Density at 2.4 GHz according to OET Bulletin 65 (97-01):

1. Power density

$$S = \frac{EIRP}{4 R^2 \pi}$$

EIRP – equivalent isotropically radiated power
R – distance to the centre of radiation of the antenna

2. Power density calculation:

EIRP = 332 mW (25.21 dBm)
R = 20 cm

Calculated power density in consideration of the above mentioned formula and values:

<u>S = 0.07 mW / cm²</u>

3. Limit according to Appendix A of Supplement C (01-01) to OET Bulletin 65 (97-01) for uncontrolled exposure:

Frequency range 1500-100000 MHz:

For 2.4 GHz: <u>S = 1.0 mW / cm^2</u>

4. Assessment

The sample complies to the MPE requirements because the radiated output power provide a power density as calculated according to the formula above, below the requested limit.