

FCC ID: X26SAS-1

## MPE calculation

The transmitter operates at 2.4 GHz. The limit for §1.1310 for the general public is a maximum power density of 1 mW/cm<sup>2</sup>.

The maximum measured conducted output power is 15.18 dBm or 33.0 mW.  
The gain of the antenna is 1.8 dBi = 1.5.

The device is mobile and will be used at a separation distance greater than 20 cm.

The maximum power density at a distance of 20 cm from the device is calculated according to equation 3, p. 19 of FCC OET Bulletin 65:

$$S = \frac{PG}{4\pi R^2} = \frac{0.033 \cdot 1.5}{4 \cdot \pi \cdot 20^2} = 0.010 \text{ mW/cm}^2$$

### Result:

The estimated maximum power density is 0.010 mW/cm<sup>2</sup>, which is below the MPE limit of 1 mW/cm<sup>2</sup>.

On behalf of GN Hearing A/S



Claus Rømer Andersen  
DELTA