

## INTERTEK TESTING SERVICES

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### Radio Frequency Radiation Exposure, FCC Rule 15.247(i):

The EUT is a Bluetooth Headset used in portable application, less than 20 cm from any body part of the user or near by persons.

According to the DA 00-705 and KDB 447498,

The power thresholds for source-based time-averaging conducted output power (in the worst-case duty cycle of DH5 of 8-DPSK modulation type)  
=  $3.78 * (T_{on} / (T_{on} + T_{off}))$  mW  
< 3.78mW, since  $(T_{on} / (T_{on} + T_{off})) < 1$

And SAR Low Threshold Level:

$$\begin{aligned} 60/f \text{ (GHz)} &= 60/2.45 \\ &= 24.5 \text{ mW} \\ &= 13.9 \text{ dBm} \end{aligned}$$

Since 3.78mW dBm is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.