

TÜV Rheinland Nederland B.V.

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To whom it may concern,

On behalf of our customer Sirona Dental Systems GmbH , we hereby declare the following device:

FCC ID : 2AD7W-6543891
 IC : 12730A-6543891
 Manufacturer : Benchmark Electronics
 Brand : Sirona
 Model : 6543891 D3492
 Description : CEREC Radio Device

The EUT has a maximum conducted peak power of 7.16 dBm, equals 5.2 mW. With an antenna gain of 2.0 dBi this comes to down to 8.2 mW in the frequency range of 2402 – 2480 MHz which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

$$S = \frac{EIRP}{4 \cdot \pi \cdot R^2} \text{ (power density without reflection)}$$

$$S = \frac{2^2 \cdot EIRP}{4 \cdot \pi \cdot R^2} \text{ (power density with 100% reflection)}$$

$$S = \frac{2^2 \cdot EIRP}{4 \cdot \pi \cdot R^2} = \frac{EIRP \text{ (mW)}}{\pi \cdot (20\text{cm})^2} = \frac{8.2}{\pi \cdot (20)^2} = 6.5 \text{ mW/cm}^2$$

(limit =10 W/m² is 1.0 mW/cm²)

This means that the equipment is in compliance with EC OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01).

Best regards,
 TÜV Rheinland Nederland B.V.



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