

RF Exposure for Mobile use

No. : 27DE0253-YK-A

Applicant : PIONEER CORPORATION
**Type of Equipment : Multi-CD control High power CD/MP3/WMA/AAC playe
with Bluetooth Wireless Technology and FM/AM tuner**
Model No. : DEH-P7900BT (DEH-P790BT)
FCC ID : AJDK014

PIONEER CORPORATION declares that Model : Multi-CD control High power CD/MP3/WMA/AAC player with Bluetooth Wireless Technology and FM/AM tuner complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "DEH-P7900BT (DEH-P790BT)" has 0.9 mW of conducted Peak Output power and 1.42 mW of EIRP. The Following calculation is the reference data for 20cm distance for mobile use.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "DEH-P7900BT (DEH-P790BT)" as calculated from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0mW/cm² uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

P = 0.90 mW (Maximum peak output power)
G = 1.58 Numerical Antenna gain; equal 2.00 dBi
r = 20.0 cm

For: DEH-P7900BT (DEH-P790BT)

$$S = 0.00028 \text{ mW/cm}^2$$