

RF Exposure / SAR Statement (Reference)
No. : 10446024S

Applicant : PIONEER CORPORATION
Type of Equipment : Car Audio with Bluetooth
Model No. : NXF-1258
FCC ID : AJDK086

PIONEER CORPORATION declares that Model : NXF-1258
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "NXF-1258" as calculated from FCC Part 1, §1.1310, TABLE 1 (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:

$$S = ((P1 * G1) + (P2 * G2)) / (4 * \pi * r^2)$$

Where

P1 = 50.12 mW (Maximum average output power with tolerance) *1) *2
P2 = 2.51 mW (Maximum average output power with tolerance) *1) *3
G1 = 0.89 Numerical Antenna gain; equal to -0.53 dBi *1) *2)
G2 = 0.91 Numerical Antenna gain; equal to -0.42 dBi *1) *3)
r = 20.0 cm

For: NXF-1258

S = 0.00928 mW/cm²

*1) The value is based on the specification provided by the customer.

*2) Wireless LAN value

*3) Bluetooth value

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