

RF Exposure / SAR Statement

No. : 10712938S-B

Applicant	:	PIONEER CORPORATION
Type of Equipment	:	Car Audio with Bluetooth
Model No.	:	CVH-8538ZH
FCC ID	:	AJDK090

PIONEER CORPORATION declares that Model : CVH-8538ZH
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 “CVH-8538ZH” 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:

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

Where

P =	28.12 mW (Maximum average output power)
G =	0.73 Numerical Antenna gain; equal to -1.39 dBi
r =	20.0 cm

For: CVH-8538ZH

$$S = 0.00406 \text{ mW/cm}^2$$

Even taking into account the tolerance, this device can be satisfied with the limits.

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