

RF Exposure / SAR Statement

No. : 10003130S-A

Applicant : Clarion Co., Ltd.
Type of Equipment : Car Multimedia Source Unit
Model No. : FX503
FCC ID : AX2FX503

Clarion Co., Ltd. declares that Model : Car Multimedia Source Unit complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "FX503" has 1.01 mW of conducted Peak Output power and 0.22 mW of EIRP. This kind of equipment is below SAR Threshold (KDB447498 D01 v05) The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "FX503" 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 = 1.01 mW (Maximum peak output power)
G = 0.22 Numerical Antenna gain; equal -6.60 dBi
r = 20.0 cm

For: FX503

$$S = 0.00004 \text{ mW/cm}^2$$

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