

RF Exposure / SAR Statement

No. : 31KE0363-SH-01-A

Applicant : Kyushukyohan Co.,Ltd.
Type of Equipment : RF-Module
Model No. : KXN-RF24-01
FCC ID : Z3D00KXN024W001A

Kyushukyohan Co.,Ltd. declares that Model : RF-Module
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.
The “KXN-RF24-01” has 0.68 mW of conducted Peak Output power and 1.11 mW of EIRP.
This equipment is considered as a mobile device so that SAR testing is excluded.
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 “KXN-RF24-01” 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 = 0.68 mW (Maximum peak output power)
G = 1.64 Numerical Antenna gain; equal 2.14 dBi
r = 20.0 cm

For: KXN-RF24-01

$$S = 0.00022 \text{ mW/cm}^2$$

UL Japan, Inc.

Shonan EMC Lab.

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone: +81 463 50 6400

Facsimile: +81 463 50 6401