

RF Exposure / SAR Statement

No. : 32FE0117-SH-02

Applicant : **SMK Corporation**
Type of Equipment : **WLAN Complete Module**
Model No. : **VRL4149-0601F**
FCC ID : **GT3FC016**

SMK Corporation declares that Model : WLAN Complete Module complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "VRL4149-0601F" has 146.22 mW of conducted Peak Output power and 205.12 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 "VRL4149-0601F" 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 = 146.22 mW (Maximum peak output power)
G = 1.40 Numerical Antenna gain; equal 1.47 dBi
r = 20.0 cm

For: VRL4149-0601F

S = 0.04081 mW/cm²

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