

RF Exposure / MPE Calculation

No. : 29FE0119-HO-01

Applicant : SANYO Electric Co., Ltd.
Type of Equipment : WLAN Module
Model No. : 1AV4U19B25500
FCC ID : NPK19B255
IC Number : 339D-19B255

SANYO Electric Co., Ltd. declares that Model : 1AV4U19B25500
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “1AV4U19B25500” 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 = 168.27 mW (Maximum peak output power)
G = 1.78 Numerical Antenna gain; equal to 2.50 dBi
r = 20.0 cm

For: 1AV4U19B25500

$$S = 0.05953 \text{ mW/cm}^2$$

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