

RF Exposure / SAR Statement

No. : 25IE0245-HO-3

Applicant : Sony Corporation
Type of Equipment : Wireless LAN Module
Model No. : IRF303JU(5GHz_Band)
FCC ID : AK8IRF303

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “IRF303JU(5GHz_Band)” 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 = 18.37 mW (Maximum peak output power)
G = 1.96 Numerical Antenna gain; equal 2.93 dBi
r = 20.0 cm

For: IRF303JU(5GHz_Band)

$$S = 0.00717 \text{ mW/cm}^2$$

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