

RF Exposure / SAR Statement

No. : 26IE0265-HO-B

Applicant : KEYENCE CORPORATION
Type of Equipment : Wireless Hand-held Barcode Reader (Cradle)
Model No. : BL-N9UB
FCC ID : RF40823B

KEYENCE CORPORATION declares that Model : BL-N9UB
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “BL-N9UB” 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 = 1.24 mW (Maximum peak output power)
G = 2.00 Numerical Antenna gain; equal 3.00 dBi
r = 20.0 cm

For: BL-N9UB

$$S = 0.00049 \text{ mW/cm}^2$$

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