

RF Exposure / SAR Statement

No. : 27KE0279-HO

Applicant	:	YAMAHA CORPORATION
Type of Equipment	:	BLUETOOTH WIRELESS SPEAKER SYSTEM
Model No.	:	NX-B02
FCC ID	:	A6RNXB02A
IC Number	:	740B-NXB02A

YAMAHA CORPORATION declares that Model : NX-B02
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 “NX-B02” 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 =	1.27 mW (Maximum peak output power)
G =	1.97 Numerical Antenna gain; equal 2.95 dBi
r =	20.0 cm

For: NX-B02

$$S = 0.00050 \text{ mW/cm}^2$$

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