

RF Exposure / MPE Calculation

No. : 33BE0184-HO-01

Applicant	:	Panasonic Corporation of North America
Type of Equipment	:	Wireless Speaker System (Airplay part)
Model No.	:	SB-NE5
FCC ID	:	ACJ-SB-NE5

Panasonic Corporation of North America declares that Model : SB-NE5 complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091 (for mobile), though SB-NE5 is not subject to the routine environmental evaluation.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "SB-NE5" 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 =	188.80 mW (Maximum peak output power)	
G =	2.32 Numerical Antenna gain; equal to	3.65 dBi
r =	20.0 cm	

For: SB-NE5 (Airplay part)

$$S = 0.08704 \text{ mW/cm}^2$$

*There is no Airplay and Bluetooth simultaneous transmission.

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