

RF Exposure / SAR Statement

No. : 27IE0241-HO-A-R1

Applicant : BROTHER INDUSTRIES, LTD.
Type of Equipment : Multi-Function Center (Internal antenna)
Model No. : MFC-885CW
FCC ID : B3Q8CAE19

BROTHER INDUSTRIES, LTD. declares that Model : MFC-885CW
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 “MFC-885CW” 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 = 53.17 mW (Maximum peak output power)
G = 2.34 Numerical Antenna gain; equal 3.70 dBi
r = 20.0 cm

For: MFC-885CW

$$S = 0.02480 \text{ mW/cm}^2$$

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