

RF Exposure / SAR Statement

No. : 26KE0022-HO-D

Applicant : **BROTHER INDUSTRIES LTD.**
Type of Equipment : **Fascimille Machine**
Model No. : **MFS-845CW**
FCC ID : **B3Q8CAA19**

BROTHER INDUSTRIES LTD. declares that Model : MFS-845CW
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 "MFS-845CW" 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 = 77.80 mW (Maximum peak output power)
G = 1.05 Numerical Antenna gain; equal 0.20 dBi
r = 20.0 cm

For: MFS-845CW

$$S = 0.01621 \text{ mW/cm}^2$$

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