

## **RF Exposure / SAR Statement**

**No. : 26KE0022-HO-C**

**Applicant** : **BROTHER INDUSTRIES LTD.**  
**Type of Equipment** : **Fascimille Machine**  
**Model No.** : **FAX-2580C**  
**FCC ID** : **B3Q8CAA20**

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BROTHER INDUSTRIES LTD. declares that Model : FAX-2580C 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 "FAX-2580C" 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/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

**P = 65.46 mW (Maximum peak output power)**  
**G = 1.05 Numerical Antenna gain; equal 0.20 dBi**  
**r = 20.0 cm**

**For: FAX-2580C**

$$S = 0.01364 \text{ mW/cm}^2$$

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