

RF Exposure / SAR Statement

No. : 10012353S-A

Applicant : Janome Sewing Machine Co., Ltd.
Type of Equipment : WLAN Module
Model No. : BP3591
FCC ID : ANSBP3591

Janome Sewing Machine Co., Ltd. declares that Model : WLAN Module complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "BP3591" has 112.98 mW of conducted Peak Output power and 200.91 mW of EIRP. This kind of equipment is below SAR Threshold (KDB447498 D01 v05)
The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "BP3591" 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 = 112.98 mW (Maximum peak output power)
G = 1.78 Numerical Antenna gain; equal 2.50 dBi
r = 20.0 cm

For: BP3591

$$S = 0.03997 \text{ mW/cm}^2$$

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