

RF Exposure / SAR Statement

No. : 28BE0159-YK-A

Applicant : SOKKIA CO., LTD.

Type of Equipment : Bluetooth Module

Model No. : SM-BT1

FCC ID : S6MSMBT1

SOKKIA CO., LTD. declares that Model : Bluetooth Module complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "SM-BT1" has 10.33 mW of conducted Peak Output power and 16.9 mW of EIRP. This equipment is considered as a mobile device so that SAR testing is excluded. 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 "SM-BT1" 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 = 10.33 mW (Maximum peak output power)

G = 1.64 Numerical Antenna gain; equal 2.14 dBi

r = 20.0 cm

For: SM-BT1

S = 0.00336 mW/cm²

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