RF Exposure for Mobile use

No. : 26LE0147-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 16.37 mW of EIRP.
The Following calculation is the reference data for 20cm distance for mobile use.

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/cm^2 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 = 1.58 Numerical Antenna gain; equal 2.00 dBi
r = 20.0 cm

For: SM-BT1 **S = 0.00326 mW/cm^2**