RF Exposure / SAR Statement

No. : 33CE0139-SH-02

Applicant	**:**	**SMK Corporation**
Type of Equipment	**:**	**ZigBee RF4CE-compatible RF receiver**
Model No.	**:**	**SSR-RFNANO**
FCC ID	**:**	**GT3FC017**

SMK Corporation declares that Model : ZigBee RF4CE-compatible RF receiver complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093.
The "SSR-RFNANO" has 1.26 mW of conducted Peak Output power and 2.25 mW of EIRP.
This kind of equipment is complied to "(maximum EIRP [mW]) / (minimum test separation [mm]) x (√ f (GHz)) ≦ 3.0 (for 1g-SAR) or ≦ 7.5 (for 10g extremity SAR) (from KDB 447498, 4.3.1 1))", so that SAR testing is excluded. The Following calculation is the reference data for 5mm minimum distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "SSR-RFNANO" as calculated value from FCC KDB 447498 D01 General RF Exposure Guidance v05 clause 4.3.1 1).
This calculation is based on the highest EIRP possible from the system, considering caliculation value a less than 3.0, exposure limit.
The formula used was:

[caliculation]: S= [(max. power [mW])/(min. test separation distance[mm])] x [√ f (GHz)]
Where

max. power [mW] (E.I.R.P.)	=	2.25 mW
min.test separation distance [mm]	=	5 mm (less than 5mm is 5mm)
f (GHz)	=	2.475 GHz

For: SSR-RFNANO **S= 0.7**

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