RF Exposure / SAR Statement

No. : 30CE0195-SH-01-A

Applicant	:	**BRIDGESTONE CORPORATION**
Type of Equipment	:	**TPMS (Tire Pressure Monitoring System)**
Model No.	:	**K612 (TAG READER)**
FCC ID	:	**SBDK612**

BRIDGESTONE CORPORATION declares that Model : TPMS (Tire Pressure Monitoring System) complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093.
The "K612 (TAG READER)" has 0.72 mW of conducted Peak Output power and 1.14 mW of EIRP.
This kind of equipment is below 60/frequency[MHz] W (TCB Exclusion List) 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 "K612 (TAG READER)" 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 = 0.72 mW (Maximum peak output power)
G = 1.58 Numerical Antenna gain; equal 2.00 dBi
r = 20.0 cm

For: K612 (TAG READER) **S = 0.00023 mW/cm^2**

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