Maximum Permissible Exposure Report

FCC ID: 2A3E3-TAG360-SBM01

Report No.	:	BTL-FCCP-2-2110T009
Equipment	:	Smart Bike Module
Model Name	:	SBM-TCI01
Brand Name	:	SBM
Applicant	:	TagBox Solutions Private Limited
Address	:	3504/A, 4th Floor, 14th Main Rd, HAL 2nd Stage, Indiranagar, Bengaluru, India 560038
FCC Rule Part(s)	:	FCC Guidelines for Human Exposure IEEE C95.1
Date of Receipt	:	2021/10/5
Date of Test	:	2021/10/5~ 2021/11/10
Issued Date	:	2021/12/2

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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REVISON HISTORY

Report No.	Version	Description	Issued Date
BTL-FCCP-2-2110T009	R00	Original Report.	2021/11/25
BTL-FCCP-2-2110T009	R01	Modified Applicant Information.	2021/12/2

MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:
S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Table for Filed Antenna

Ant.	Manufacturer	Model Name	Type	Frequency Range (MHz)	Gain (dBi)
1	ignion	NN01-102	Chip	2400 - 2500	1.7

Maximum RF OUTPUT POWER

Mode	Maximum Output Power (dBm)
BLE	2.50

CALCULATED RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
1.7	1.4791	2.50	1.7783	0.00052	1	Complies

Note:

1. The calculated distance is 20 cm.

End of Test Report