

# 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

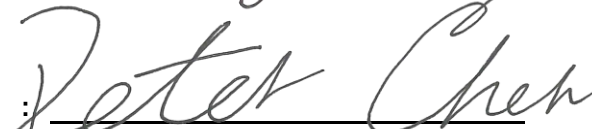
The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

**Prepared by**

:   
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**Approved by**

:   
Peter Chen, Vice Manager

**BTL Inc.**

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**REVISION 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 <sup>™</sup>	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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	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**