


# RF EXPOSURE EVALUATION REPORT

FCC ID : 2ABXLT9001  
Equipment : Wireless Transceiver  
Brand Name : Tile  
Model Name : T9001  
Applicant : Tile, Inc.  
2121 S. El Camino Real Suite 900  
San Mateo, CA 94403 USA  
Manufacturer : Tile, Inc.  
2121 S. El Camino Real Suite 900  
San Mateo, CA 94403 USA  
Standard : 47 CFR Part 2.1093  
FCC KDB 447498 D01 v06

We, SPORTON INTERNATIONAL INC has been evaluated in accordance with 47 CFR Part 2.1093 for the device and pass the limit.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager

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## **Table of Contents**

1.	General Information .....	3
1.1	Description of Device Under Test (DUT) .....	3
2.	Maximum RF output power among production units .....	3
3.	RF Exposure Evaluation .....	4

## **History of this test report**

Report No.	Version	Description	Issued Date
FA952848	Rev. 01	Initial issue of report	Jun. 21, 2019

## 1. General Information

### 1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Wireless Transceiver
Brand Name	Tile
Model Name	T9001
FCC ID	2ABXLT9001
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	Bluetooth LE
DUT Stage	Identical Prototype

**Remark:** The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

Reviewed by: Jason Wang

Report Producer: Wan Liu

## 2. Maximum RF output power among production units

Band / Mode	Average Power (dBm)
	LE
	GFSK
Bluetooth	4.8

### 3. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
4.8	3.02	5	2.48	0.95

**Note:**

- Per KDB 447498 D01v06 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances*  $\leq 50$  mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for}$$

1-g SAR and  $\leq 7.5$  for 10-g extremity SAR

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

**Conclusion:** Per KDB 447498 D01v06, when the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.95 which is  $\leq 3$ , SAR testing is not required.