



RF Exposure Evaluation Report

FCC ID : 2AIHDATA11
Equipment : Asset tag
Brand Name : SAMSARA
Model Name : 030-00020
Applicant : SAMSARA INC
1 De Haro Street, San Francisco, CA, 94107, USA
Manufacturer : Jabil Circuit de Mexico, S. de R.L. de C.V.
Av Guadalupe 420-A Guadalajara Technology Park, Carretera
a Nogales Km 13.5, Zapopan, Jal, 45010. MEXICO
Standard : 47 CFR Part 2.1093

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1093 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3786) and the FCC designation No. TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

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

Cona Huang

Approved by: Cona Huang / Deputy Manager



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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA250409001-01	Rev. 01	Initial issue of report	Jun. 02, 2025



1. General Information

1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
EUT Type	Asset tag
Brand Name	SAMSARA
Model Name	030-00020
FCC ID	2AIHDAT11
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2483.5 MHz
Mode	Bluetooth LE
EUT Stage	Identical Prototype

Reviewed by: Jason Wang

Report Producer: Daisy Peng

2. Maximum RF output power among production units

Average power (dBm)	
BLE	20

3. RF Exposure Evaluation

Wireless Tech.	Burst Average Power (dBm)	Transmission Cycle	Source-Based Time Average Power(dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Calculated Threshold	Limit of Threshold
BLE	20	4.00%	6.02	4.00	10	2.48	0.63	3

General Note:

1. The actual transmission period of BLE is only 4%, and using in SAR exclusion calculation formula.
2. Per KDB 447498 D01v06 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 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, the BLE SAR test exclusion is compliant