

RF Exposure Evaluation Report

FCC ID : 2BOYO-SSB-10
Equipment : Wireless Smart Button
Brand Name : SKS
Model Name : SSB-10-1
Applicant : TAIWAN SHIN KONG SECURITY CO.,LTD
No. 128, Xing'ai Rd., Neihu Dist., Taipei City 114508, Taiwan
Manufacturer : TAIWAN SHIN KONG SECURITY CO.,LTD
No. 128, Xing'ai Rd., Neihu Dist., Taipei City 114508, Taiwan
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: 1190) and the FCC designation No. TW1190 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.



Approved by: Cona Huang / Deputy Manager



SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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

Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA670203-02	Rev. 01	Initial issue of report	Sep. 15, 2026



1. General Information

1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Wireless Smart Button
Brand Name	SKS
Model Name	SSB-10-1
FCC ID	2BOYO-SSB-10
Wireless Technology and Frequency Range	LoRa: 902 MHz ~ 928 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Mode	Bluetooth LE

2. Maximum RF output power among production units

LoRa	Mode	Frequency (MHz)	Tune-Up Limit
	500kHz	923.3	19.5
		926.9	19.77
	125kHz	902.3	19.17
		908.7	19.47
		914.9	19.4

Bluetooth	Mode	Channel	Frequency (MHz)	Tune-Up Limit
	LE 1Mbps	0	2402	1.98
		19	2440	1.88
		39	2480	1.74

3. RF Exposure Evaluation

Wireless Tech.	Burst Average Power (dBm)	Duty Cycle	Time average calculation	Source-Based Time Average Power(dBm)	mW	Separation Distance (mm)	Freq. (GHz)	Extremity Threshold	Threshold Limit	Extremity SAR Testing
Lora	19.77	39.90%	-4.0	15.78	37.84	5	0.902	7.19	7.5	No
Bluetooth	1.98	100.00%	0.0	1.98	1.58	5	2.48	0.50	7.5	No

Note:

1. The Lora transmission cycle is 39.9 fixed on software and using for exemption SAR calculation
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: According to 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 SAR test exclusion thresholds are 7.19 and 0.5, both of which are ≤ 7.5 . Therefore, SAR testing is not required.