

RF EXPOSURE EVALUATION REPORT

FCC ID : 2AEUP-7AFYA3
Equipment : Environmental Alert Device
Brand Name : 
Model Name : 7AFYA3
Applicant : Ring LLC
12515 Cerise Ave, Hawthorne, CA 90250, USA
Standard : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part2.1091 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.



Approved by: Cona Huang / Deputy Manager



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History of this test report

Report No.	Version	Description	Issued Date
FA251103002	Rev. 01	Initial issue of report	Dec. 01, 2025
FA251103002	Rev. 02	Update section 2 and 4	Dec. 18, 2025

**1. Description of Equipment Under Test (EUT)**

Product Feature & Specification	
Equipment Name	Environmental Alert Device
Brand Name	ring
Model Name	7AFYA3
FCC ID	2AEUP-7AFYA3
Wireless Technology and Frequency Range	Bluetooth: 2400 MHz ~ 2483.5 MHz LoRa: 902.5 MHz ~ 926.5 MHz
Mode	Bluetooth: LE LoRa: 500K

Reviewed by: Jason Wang**Report Producer: Carlie Tsai****2. Maximum RF output power among production units**

Band	Maximum Power (dBm)	Gain (dBi)
Bluetooth	8.66	3.9
LoRa	20.75	0.7



3. RF Exposure Limit Introduction

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

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

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna

4. Radio Frequency Radiation Exposure Evaluation

Band	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum PG (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)
Bluetooth	3.90	8.66	12.56	18.03	0.004	1.000
LoRa	0.70	20.75	21.45	139.64	0.028	0.601

Conclusion:

According to 47 CFR §2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.