



RF Exposure Evaluation Report

APPLICANT : PASSTIME
EQUIPMENT : Dock device
BRAND NAME : Distracted Driving Device
MODEL NAME : DDD-1
MARKETING NAME : DDD
FCC ID : WXT-DDD1RX
STANDARD : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL INC., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1091, and pass the limit. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Eric Huang / Manager

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.)



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Revision History



1. Administration Data

1.1. Testing Laboratory

Testing Laboratory	
Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978

Applicant	
Company Name	PASSTIME
Address	861 Southpark Dr #200 Littleton, CO 80120

Manufacturer	
Company Name	Wistron NeWeb Corp.
Address	20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C



2. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	Dock device
Brand Name	Distracted Driving Device
Model Name	DDD-1
Marketing Name	DDD
FCC ID	WXT-DDD1RX
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz 433.92 MHz
Mode	Bluetooth LE 433MHz: OOK/ASK
HW Version	48.UOCDOCK.0GAGUW
EUT Stage	Production Unit

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

3. Maximum RF average output power among production units

Band / Mode	Average Power (dBm)
	LE
	GFSK
Bluetooth	-3



4. 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



5. Radio Frequency Radiation Exposure Evaluation

5.1. Standalone Power Density Calculation

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum EIRP (W)	Average EIRP (mW)	Power Density at 20cm (mW/cm^2)	Limit (mW/cm^2)
433.92 MHz	433				0.000002891	0.003	0.000000575	0.289
Bluetooth	2402.0	3.35	-3.00	0.350	0.001	1.084	0.0002	1.000

Note:

1. For conservativeness, the lowest frequency of each band is used to determine the MPE limit of that band
2. The measured 433 MHz function transmission field strength at 3 meter range is 69.84dBuV/m and the equivalent EIRP is 0.000002891W,

Conclusion:

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