

RF EXPOSURE EVALUATION REPORT

FCC ID : NKR-DFINH11
Equipment : NFC MODULE
Brand Name : WNC
Model Name : DFIN-H11
Marketing Name : DFIN-H11
Applicant : WNC Corporation
20 Park Avenue II, Hsinchu Science Park,
Hsinchu 300,Taiwan,R.O.C.
Manufacturer : WNC Corporation
20 Park Avenue II, Hsinchu Science Park,
Hsinchu 300,Taiwan,R.O.C.
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
FA5N1307	Rev. 01	Initial issue of report	Jan. 08, 2026

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

Product Feature & Specification	
EUT Type	NFC MODULE
Brand Name	WNC
Model Name	DFIN-H11
Marketing Name	DFIN-H11
FCC ID	NKR-DFINH11
Wireless Technology and Frequency Range	NFC: 13.56 MHz
Mode	NFC: ASK
EUT Stage	Production Unit

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

Mode	EIRP (dBm)
NFC	-64.84

Note: EIRP is calculated using 3-meter field strength conversion.

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	Maximum EIRP (dBm)	Maximum PG (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)
NFC	-64.84	0.0000003	0.0000000001	0.979

Conclusion:

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