



MPE Test Report

Report No.: STS2604018H03

Issued for

Fortin Auto Radio Inc.

9855 Colbert, Anjou, Quebec, Canada, H1J1Z9

Product Name: ANT-RFIDBT2

Brand: Fortin

Model Number: ANT-RFIDBT2

Series Model(s): N/A

FCC ID: 2ACKU-ANTRFIDBT2

Test Standard: FCC CFR 47 part 1, 1.1310

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST RESULT CERTIFICATION**

Applicant's Name : Fortin Auto Radio Inc.
Address..... : 9855 Colbert, Anjou, Quebec, Canada, H1J1Z9
Manufacturer's Name..... : Fortin Auto Radio Inc.
Address..... : 9855 Colbert, Anjou, Quebec, Canada, H1J1Z9

Product Description

Product Name : ANT-RFIDBT2
Brand : Fortin
Model Number : ANT-RFIDBT2
Series Model(s)..... : N/A
Standards..... : FCC CFR 47 part 1, 1.1310
Test Procedure : 680106 D01 Wireless Power Transfer v04

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test

Date of receipt of test item : 03 Apr. 2026
Date of performance of tests.. : 03 Apr. 2026 ~ 29 May 2026
Date of Issue..... : 29 May 2026
Test Result : **Pass**

Testing Engineer :

Aaron Bu

(Aaron Bu)

Technical Manager :

Skylar Li

(Skylar Li)

Authorized Signatory :

Bovey Yang

(Bovey Yang)



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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	29 May 2026	STS2604018H03	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:
FCC KDB 680106 D01 Wireless Power Transfer v04

FCC CFR 47			
Standard Section	Test Item	Judgment	Remark
FCC CFR 47 part1, 1.1310 KDB680106 D01v04	Electric Field Strength (E) (V/m)	PASS	
	Magnetic Field Strength (H) (A/m)	PASS	

1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95** %.

No.	Item	Uncertainly
1	H-filed	$\pm 0.83\text{dB}$
2	E-filed	$\pm 0.91\text{dB}$



1.3 GENERAL DESCRIPTION OF THE EUT

Product Name	ANT-RFIDBT2
Brand	Fortin
Model Number	ANT-RFIDBT2
Series Model(s)	N/A
Model Difference	N/A
Equipemnt Category	Non-ISM frequency
Antenna Type	Please refer to the Note 2.
Operating frequency	125KHz
Modulation Type	ASK
Rating	Input: DC 12V
Hardware version number	1R0
Software version number	1.01
Connecting I/O Port(s)	Please refer to the Note 1.

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	NOTE
1	Fortin	ANT-RFIDBT2	Coil	NA	Antenna

The EUT antenna is Coil Antenna. No antenna other than that furnished by the responsible party shall be used with the device.



1.4 EQUIPMENTS LIST FOR ALL TEST ITEMS

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Electric And Magnetic Field Probe-Analyzer	NARDA	EHP-200A	180ZX10220	2026.02.04	2027.02.03

1.5 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
E-1	DC power supply	HONGSHENG FENG	DPS-305AF	N/A	N/A

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
N/A	N/A	N/A	N/A	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



2. MAXIMUM PERMISSIBLE EXPOSURE

2.1 MAXIMUM PERMISSIBLE EXPOSURE

Limit of Maximum Permissible Exposure

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180 / f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310, 680106 D01 Wireless Power Transfer v04

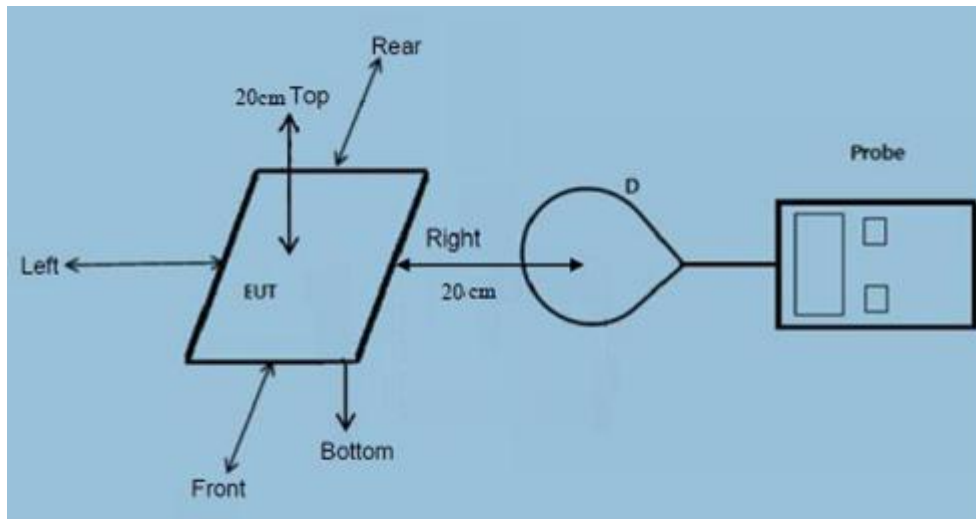
Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

Note 4: The aggregate H-field strengths at 20 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

2.2 TEST PROCEDURE

- a. For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 20 cm(Top) and 20cm(Edge). E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 20 cm(Top) and 20cm(Edge) measured from the center of the probe(s) to the edge of the device.

2.3 TEST SETUP



Remark: The EHP 200A probe antenna diameter is less than 11.5cm.

2.4 TEST RESULTS

The EUT does comply with KDB 680106 D01 Wireless Power Transfer v04.

- (1) Power transfer frequency is less than 1 MHz.
(Conform)
- (2) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.
(Conform)
- (3) Client device is placed directly in contact with the transmitter.
(Conform)
- (4) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
(Conform)
- (5) The aggregate H-field strengths at 20 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.
(Conform)

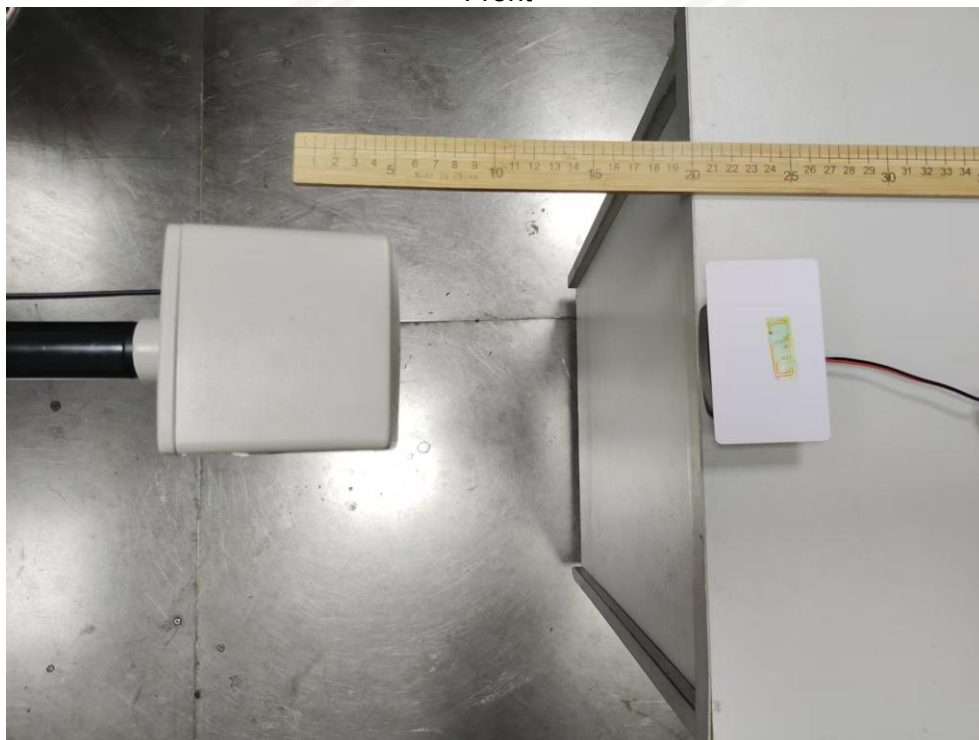


2.5 MAXIMUM PERMISSIBLE EXPOSURE

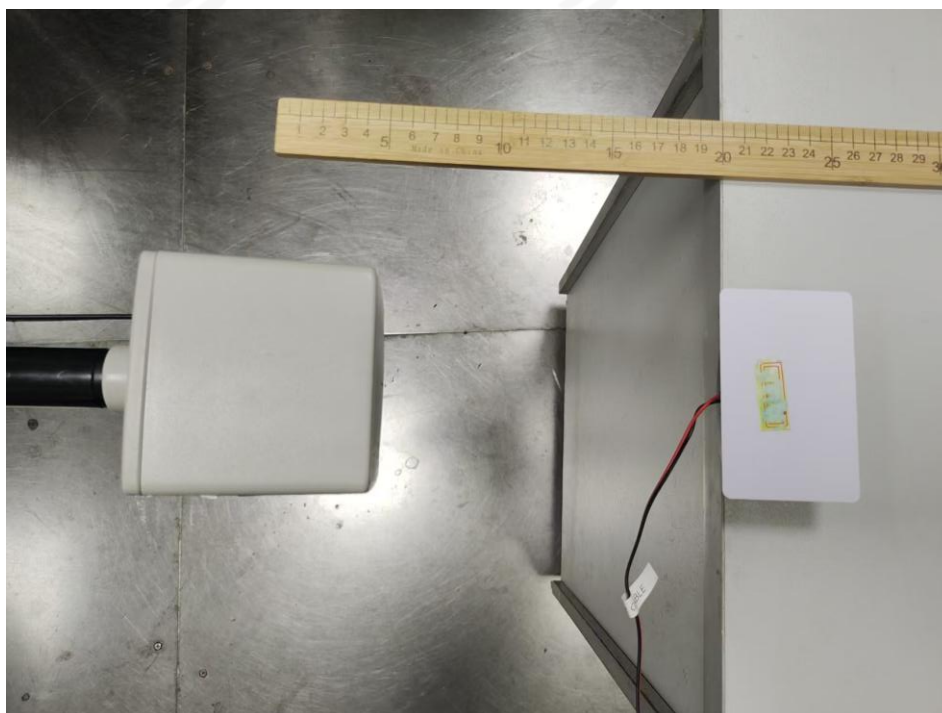
Maximum Permissible Exposure				
Operation	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
DC 12V	20cm	Front	0.456	0.111
DC 12V	20cm	Rear	0.436	0.119
DC 12V	20cm	Left	0.427	0.114
DC 12V	20cm	Right	0.440	0.128
DC 12V	20cm	Top	0.479	0.145
Limit			614	1.63
Margin Limit (%)			0.08%	8.88%

MPE SETUP PHOTO

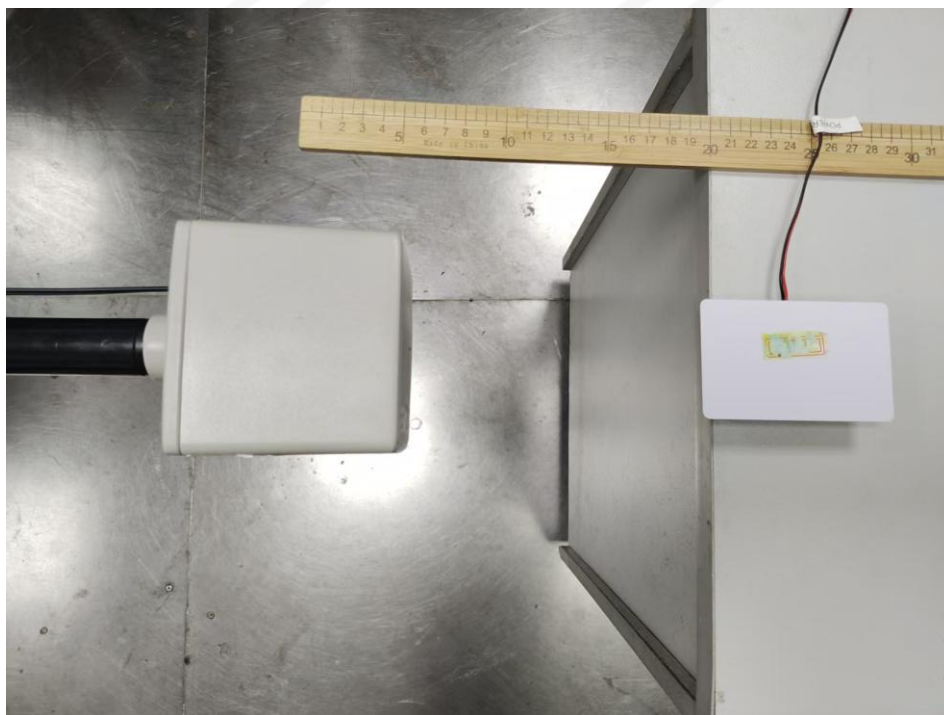
Front



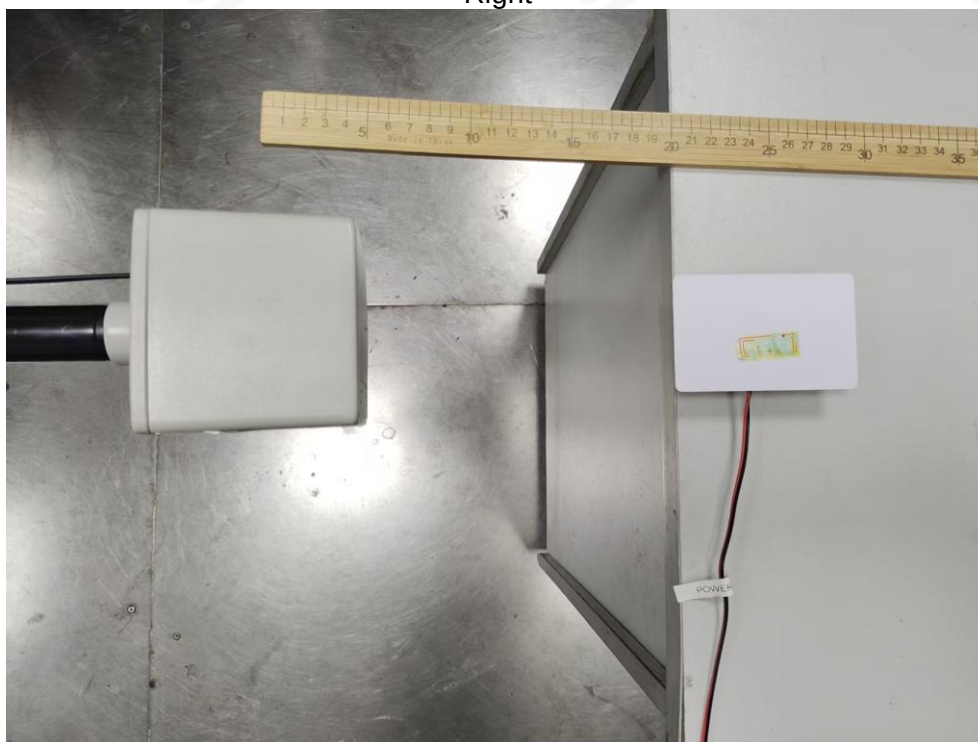
Rear



Left



Right





Top



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