

Report No.: EED32081225102



RF Exposure Evaluation Report

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Product **Trade mark** Model/Type reference Test Model No.: Serial Number **Report Number** FCC ID Date of Issue **Test Standards**

: Automotive Key **FinDreams** D1-315 : D1-315 N/A EED32O81225101 2A5DHD1-315 : Sep. 24, 2022 : 47 CFR Part 1.1307 47 CFR Part 2.1093 KDB 447498D01 General

Test result

Prepared for:

PASS

RF Exposure Guidance v06

FinDreams Technology Company Limited No.3009 BYD Road, Maluan Streetl, Pingshan New District, Shenzhen

Prepared by:

Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

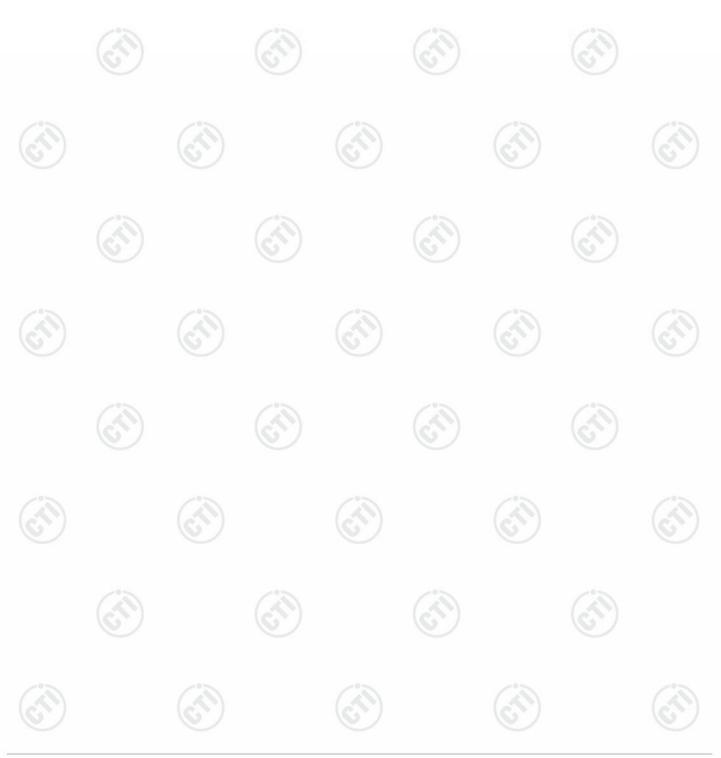
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Approved by:	Aaron Ma	Date:	Sep. 24, 20	22
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1 Version

Version No.	Date		Description	
00	Sep. 24, 2022	Original		
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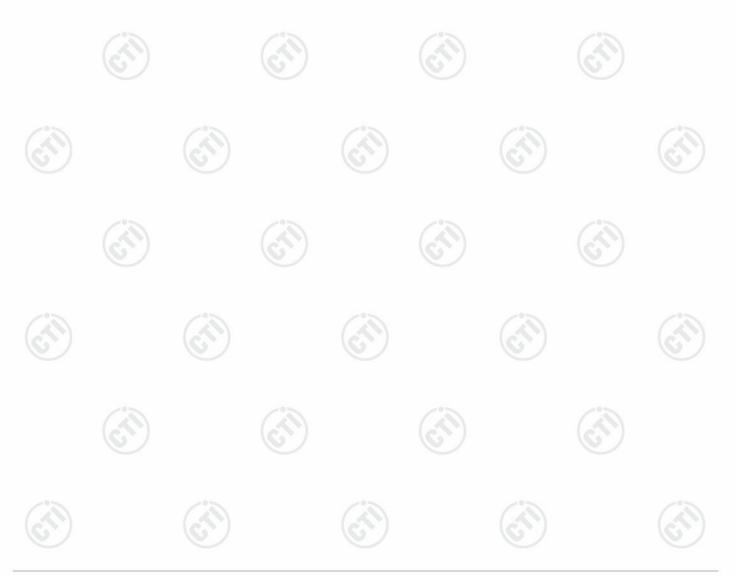




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3 **General Information**

3.1 Client Information

Applicant:	FinDreams Technology Company Limited		
Address of Applicant:	No.3009 BYD Road, Maluan Streetl, Pingshan New District, Shenzhen		
Manufacturer:	FinDreams Technology Company Limited	(2)	
Address of Manufacturer:	No.3009 BYD Road, Maluan Streetl, Pingshan New District, Shenzhen	V	
Factory:	FinDreams Technology Company Limited		
Address of Factory:	No.3009 BYD Road, Maluan Streetl, Pingshan New District, Shenzhen		

3.2 General Description of EUT

Product Name:	Automotive	Кеу			S	
Model No.:	D1-315					
Test Model No.:	D1-315	/°>>		~°>>		~
Trade Mark:	FinDreams	(\mathcal{A})		(\mathcal{A})		
Product Type:	🗌 Mobile	🛛 Portable	Fix Locat	tion		V
Frequency Range:	315MHz					
Modulation Type:	FSK		-0.5		- 0.5	
Number of Channels:	1					
Antenna Type:	Internal ante	enna	0		0	
Antenna Gain:	-18dBi					
Power Supply:	Battery	Model:CR	2032			
Test voltage:	DC 3.0V Ba	ittery		(\mathbf{C})		67)
Sample Received Date:	Aug. 10, 20	22				
Sample tested Date:	Aug. 11, 20	22 to Sep. 09,	2022			
Remark:	13		<">>		12	

1.N/A:The product is powered by DC 3.0V Battery.

2.Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.



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3.3 Test Location

All tests were performed at: Centre Testing International Group Co., Ltd Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385 No tests were sub-contracted. FCC Designation No.: CN1164

3.4 Deviation from Standards

None.

3.5 Abnormalities from Standard Conditions

None.

None.

3.6 Other Information Requested by the Customer







4 SAR Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · $[\sqrt{f}(GHz)] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

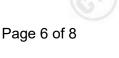
Power and distance are rounded to the nearest mW and mm before calculation¹⁷ The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion













4.1.2 EUT RF Exposure

 $eirp = pt x gt = (E x d)^2/30$ where:

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m, $--10^{((dB\mu V/m)/20)}/10^6$,

d = measurement distance in meters (m)---3m,

So pt = $(E \times d)^2/30 / gt$

The worst case (refer to report EED32O81225101) is below:

Antenna polarization: Horizontal					
Frequency (MHz)	Level (dBuV/m)	Polarization			
315	88.19	Peak			
315	58.13	Average			

Antenna polarization: Vertical					
Frequency (MHz)	Level (dBuV/m)	Polarization			
315	74.36	Peak			
315	44.30	Average			

For 433.92MHz wireless: Field strength = 88.19dBµV/m @3m Ant. gain -18dBi; so Ant numeric gain=0.016 So pt={[10^(88.19/20)/10⁶x3]²/30 /0.016}x1000mW =12.36mW So (12.36mW/5mm)x √0.315GHz = 1.39,

1.39<3.0 for 1-g SAR

So the SAR report is not required.







PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32O81225101 for EUT external and internal photos.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***

