

Report No.: EED32O81225202



RF Exposure Evaluation Report

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

E EValuation
Automotive Key
FinDreams
S0-315
S0-315
N/A
EED32081225202
2A5DHS0-315
Sep. 24, 2022
47 CFR Part 1.1307
47 CFR Part 2.1093

Test result

 \bigcirc

KDB 447498D01 General

RF Exposure Guidance v06

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

PASS

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

Girazer. Lo Compiled by: Reviewed by: Frazer Li Tom Chen Javon Ma Date: Sep. 24, 2022 proved t Check No.:6713100822 Aaron Ma Report Seal

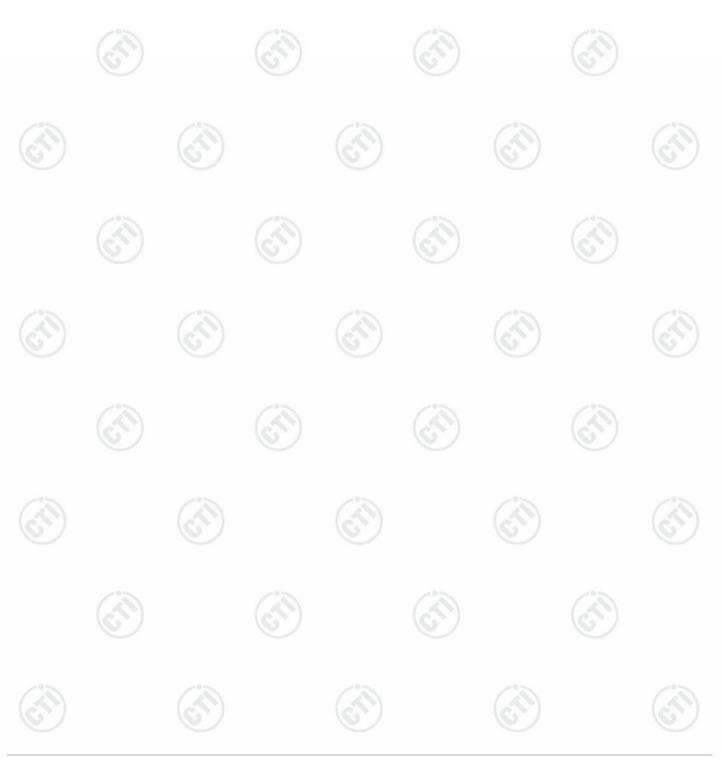


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1 Version

Version No.	Date	Description Original		
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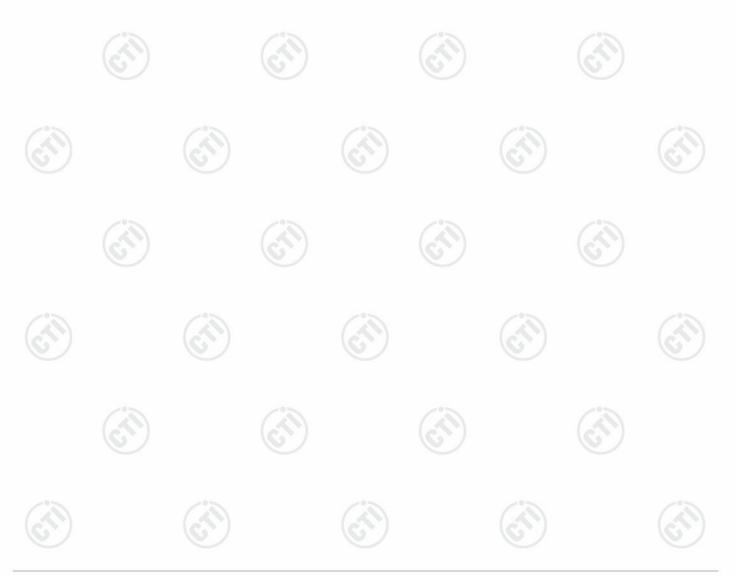


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3 General Information

3.1 Client Information

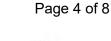
Applicant:	FinDreams Technology Company Limited	
Address of Applicant:	No.3009 BYD Road, Maluan Streetl, Pingshan New District, Shenzhen	
Manufacturer:	FinDreams Technology Company Limited	(1)
Address of Manufacturer:	No.3009 BYD Road, Maluan Streetl, Pingshan New District, Shenzhen	V
Factory:	FinDreams Technology Company Limited	
Address of Factory:	ory: No.3009 BYD Road, Maluan Streetl, Pingshan New District, Shenzhen	

3.2 General Description of EUT

Product Name:	Automotive	Кеу	J		S	
Model No.:	S0-315					
Test Model No.:	S0-315	~°>		~°>>		10
Trade Mark:	FinDreams	(2)		(\mathcal{S})		(2)
Product Type:	🗌 Mobile	🛛 Portable	🗌 Fix Loca	tion		
Frequency Range:	315MHz					
Modulation Type:	FSK				~	
Number of Channels:	1					
Antenna Type:	Internal ante	enna	O		()	
Antenna Gain:	-18dBi					
Power Supply:	Battery	Model:CR2 DC 3.0V	2032			
Test voltage:	DC 3.0V Battery			(C)		
Sample Received Date:	Aug. 10, 20	Aug. 10, 2022				
Sample tested Date:	Aug. 11, 20	22 to Sep. 09, 2	2022			
Remark:	13		~°>>		10	

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.













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







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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.

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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	90.16	Peak		
315	60.02	Average		

Antenna polarization: Vertical				
Frequency (MHz)	Level (dBuV/m)	Polarization		
315	72.59	Peak		
315	42.45	Average		

For 433.92MHz wireless: Field strength = 90.16dB μ V/m @3m Ant. gain -18dBi; so Ant numeric gain=0.016 So pt={[10^(90.16/20)/10⁶x3]²/30 /0.016}x1000mW =19.45mW So (19.45mW/5mm)x \checkmark 0.315GHz =2.18,

2.18<3.0 for 1-g SAR

So the SAR report is not required.



Hotline:400-6788-333

www.cti-cert.com E-mail:info@cti-cert.com

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Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32O81225201 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 ***