

JianYan Testing Group Shenzhen Co., Ltd.

Report No: JYTSZ-R12-2200814

RF Exposure Evaluation Report

Applicant: Remote Tech LLC

Address of Applicant: 310 ALDER RD, DOVER DE 19904 USA

Equipment Under Test (EUT)

Product Name: Keyless Transmitter

Model No.: RT-FD4-3BB, RT-FD4-4BB

FCC ID: 2AOKM-FD4B

Applicable standards: FCC CFR Title 47 Part 2J (§2.1093)

Date of sample receipt: 19 Apr., 2022

Date of Test: 20 Apr., to 10 May, 2022

Date of report issue: 11 May, 2022

Test Result: PASS

Tested by: \mathbb{A} Date: 11 May, 2022

Reviewed by: _________ Date: ______ 11 May, 2022

Approved by: _____ Date: ____ 11 May, 2022

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.





2 Version

Version No.	Date	Description		
00	11 May, 2022	Original		





3 Contents

			Page
1	Cove	r Page	1
2	Versi	on	2
3	Conte	ents	3
4	Gene	ral Information	4
4.	1 (Client Information	4
4.5	2	General Description of E.U.T.	4
4.:	3 (General Description of E.U.T	5
4.4	4	Additions to, Deviations, or Exclusions from the Method	5
4.	.5 I	Laboratory Facility	5
4.0	.6 I	Laboratory Location	5
5	Techi	nical Requirements Specification in FCC CFR Title 47 Part 2.1093	6
5.	.1 1	Limits	6
5.2	2	Result	6
5 :	3 (Conclusion	6

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366





General Information

4.1 Client Information

Applicant:	Remote Tech LLC
Address:	310 ALDER RD, DOVER DE 19904 USA
Manufacturer:	Remote Tech LLC
Address:	310 ALDER RD, DOVER DE 19904 USA

4.2 General Description of E.U.T.

Product Name:	Keyless Transmitter			
Model No.:	RT-FD4-3BB, RT-FD4-4BB			
Operation Frequency:	315 MHz			
Modulation technology:	ASK			
Antenna Type:	PCB Antenna			
Antenna gain:	0 dBi			
Power Supply:	DC 3V (CR2032 battery)			
Test Sample Condition:	The test samples were provided in good working order with no visible defects.			

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



Report No: JYTSZ-R12-2200814

4.3 Operating Modes

Operating mode	Detail description
Tx mode	Keep the EUT in continuously transmitting mode

4.4 Additions to, Deviations, or Exclusions from the Method

No

4.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Designation No.: CN1211

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

• ISED - CAB identifier.: CN0021

The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

CNAS - Registration No.: CNAS L15527

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

• A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

4.6 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xingiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website:http://jyt.lets.com

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

Report No: JYTSZ-R12-2200814

5 Technical Requirements Specification in FCC CFR Title 47 Part 2.1093

5.1 Limits

According to 447498 D01 General RF Exposure Guidance v06 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

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

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ 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 calculation
- The result is rounded to one decimal place for comparison

5.2 Result

According to the calculation formula of power:

 $EIRP = P*G = (E*d)^{2}/30$

Where:

P = transmitter output power in watts,

G = numeric gain of the antenna in the direction of interest relative to an isotropic radiator (unitless),

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

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

So,

 $P = (E*d)^2/30 *G$

_	(= 4,700						
	Frequency (MHz)	Maximum field strength@3m (dBuV/m)	Maximum field strength@3 m (V/m)	Antenna Gain (dBi)	Antenna Gain (numeric)	Distance (m)	Output power (mW)
I	315	73.38	0.0047	0	1	3	0.0065

Thus. Worse case below:

Frequency (MHz)	Max Output power (mW)	Min test distance (mm)	Result	Limit of 10-g SAR test exclusion thresholds
315	0.0065	5	0.0007	7.5

5.3 Conclusion

Cuz 0.0007 < 7.5 for 10-g SAR, the device is exempt from the SAR test and satisfies RF exposure evaluation.

-----End of report-----

JianYan Testing Group Shenzhen Co., Ltd.

No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366