

Report No.: EED32K00171706 Page 1 of 7

RF Exposure Evaluation Report

Product : Fetal Monitor

Trade mark : JUMPER

Model/Type reference : JPD-300E

Serial Number : N/A

Report Number : EED32K00171706 **FCC ID** : 2ADYL-JPD300ETD

Date of Issue : Jan. 10, 2019

47 CFR Part 1.1307 47 CFR Part 2.1093

Test Standards : KDB447498D01 General

RF Exposure Guidance v06

Test result : PASS

Prepared for:

Shenzhen Jumper Medical Equipment Co., Ltd D Building, No. 71, Xintian Road, Fuyong Street, Baoan, Shenzhen, Guangdong, China

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

Tested by:

leter

Compiled by:

Approved by

Report Seal

Tom- che

Reviewed by:

Date:

Max liang

Peter

Max Liang

Jan. 10, 2019

Tom chen

Kevin yang

Check No.:3177469070

Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com









Page 2 of 7

Report No.: EED32K00171706

2 Version

Version No.	Date	Description
00	Jan. 10, 2019	Original
1		

















































































Page 3 of 7

Report No.: EED32K00171706

Contents 3

		Page
1 COVER PAGE	•••••	1
2 VERSION		2
3 CONTENTS		3
4 GENERAL INFORMATION		4
4.1 CLIENT INFORMATION		
4.2 GENERAL DESCRIPTION OF EUT		4
4.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD		
4.4 TEST LOCATION		5
4.4 TEST LOCATION		5
4.6 ABNORMALITIES FROM STANDARD CONDITIONS		5
4.7 OTHER INFORMATION REQUESTED BY THE CUSTOMER		5
5 SAR EVALUATION		6
5.1 RF EXPOSURE COMPLIANCE REQUIREMENT		6
5.1.1 Standard Requirement		
5.1.2 Limits		
5.1.3 EUT RF Exposure		
PHOTOGRAPHS OF FUT CONSTRUCTIONAL DETAILS		7

























































Report No.: EED32K00171706 Page 4 of 7

4 General Information

4.1 Client Information

Applicant:	Shenzhen Jumper Medical Equipment Co., Ltd	
Address of Applicant:	D Building, No. 71, Xintian Road, Fuyong Street, Baoan, Shenzhen, Guangdong, China	
Manufacturer:	Shenzhen Jumper Medical Equipment Co., Ltd	
Address of Manufacturer:	D Building, No. 71, Xintian Road, Fuyong Street, Baoan, Shenzhen, Guangdong, China	
Factory:	Shenzhen Jumper Medical Equipment Co., Ltd	
Address of Factory:	D Building, No. 71, Xintian Road, Fuyong Street, Baoan, Shenzhen, Guangdong, China	

4.2 General Description of EUT

Product Name:	Fetal Monitor	75	700
Model No.(EUT):	JPD-300E	(8/17)	(8)
Trade Mark:	JUMPER		(0)
EUT Supports Radios application:	BT 4.1 Single mode, 2402MHz-2480MHz		

4.3 Product Specification subjective to this standard

Frequency Range:	2402MHz-2480MHz		
Sample Type:	Portable production		
Test power grade:	N/A		
Test software of EUT:	nRFgo Studio.exe(manufacturer declare)		
Antenna Type:	PCB Antenna		
Antenna Gain:	0dBi		
Power Supply:	Battery: 2*1.5V(AAA)=3.0V		
Conducted Peak Output Power:	-2.749dBm		
	The Conducted Peak Output Power data refer to the report EED32K00171702		
Firmware version:	M1_V1.0(manufacturer declare)		
Hardware version:	V1.0(manufacturer declare)		
Test power grade:	N/A		
Test software of EUT:	nRFgo Studio.exe(manufacturer declare)		
Test Voltage:	Battery: 2*1.5V(AAA)=3.0V		
Sample Received Date:	Jul. 02, 2018		
Sample tested Date:	Aug. 13, 2018 to Jan. 08, 2019		
The tested sample(s) and t	the sample information are provided by the client.		











Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com









Page 5 of 7

Report No.: EED32K00171706

4.4 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



None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.







































































Report No.: EED32K00171706 Page 6 of 7

5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 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.

5.1.2 Limits

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)] $\sqrt{f(GHz)}$ ≤ 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 \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

5.1.3 EUT RF Exposure

The Max Conducted Peak Output Power is -2.749dBm in Middle channel(2.440GHz);

The best case gain of the antenna is 0dBi.

EIRP = -2.749dBm + 0dBi = -2.749dBm

-2.749dBmlogarithmic terms convert to numeric result is nearly0.531mW

According to the formula. calculate the EIRP test result:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}]$

General RF Exposure = $(0.531 \text{mW} / 5 \text{ mm}) \times \sqrt{2.440 \text{GHz}} = 0.1659 \text{ }\bigcirc$

SAR requirement:

S = 3.0

1 < 2.

2

So the SAR report is not required.

























Report No.: EED32K00171706 Page 7 of 7

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32K00171702 for EUT external and internal photos.

*** End of Report ***

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









