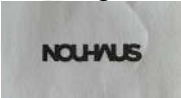


RF Exposure Evaluation Report

Product : massage chair
Trade mark : 
Model/Type reference : 2ADIW-N-0003
Serial Number : N/A
Report Number : EED32L00286802
FCC ID : 2ADIW-N-0003
Date of Issue : Dec. 27, 2019
Test Standards : 47 CFR Part 1.1307(2015)
47 CFR Part 1.1310(2015)
KDB447498D01v06
Test result : PASS

Prepared for:

Henglin Home Furnishings Co.,Ltd
No.378、380 ,Jiaxi Road,Dipu Street,
Anji County,Huzhou,Zhejiang

Prepared by:

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Date:

Dec. 27, 2019

Check No.:3915686378



2 Version

Version No.	Date	Description
00	Dec. 27, 2019	Original

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4 General Information

4.1 Client Information

Applicant:	Henglin Home Furnishings Co., Ltd
Address of Applicant:	No.378、380 , Jiaxi Road, Dipu Street, Anji County, Huzhou, Zhejiang
Manufacturer:	Henglin Home Furnishings Co., Ltd
Address of Manufacturer:	No.378、380 , Jiaxi Road, Dipu Street, Anji County, Huzhou, Zhejiang
Factory:	Henglin Home Furnishings Co., Ltd
Address of Factory:	No.378、380 , Jiaxi Road, Dipu Street, Anji County, Huzhou, Zhejiang

4.2 General Description of EUT

Product Name:	massage chair
Model No.(EUT):	2ADIW-N-0003
Trade Mark:	
EUT Supports Radios application	BT 2.1+EDR Single mode, 2402MHz to 2480MHz

4.3 Product Specification subjective to this standard

Frequency Range:	2402MHz to 2480MHz			
Modulation Type:	GFSK, $\pi/4$ DQPSK,8DPSK			
Number of Channels:	79			
Test Power Grade:	TX power:7			
Test Software of EUT:	AppoTech RF Control Kit.exe			
Antenna Type:	PCB Antenna			
Antenna Specification	Bluetooth :	Antenna Gain :	1.08 dBi	(Numeric gain: 1.28)
Maximum tune up power	Bluetooth:		-7.00 dBm	(0.200 mW)
Power Supply:	AC120V/60Hz			
Sample Received Date:	Oct.. 10, 2019			
Sample tested Date:	Oct.. 10, 2019 to Dec. 16, 2019			
The tested sample(s) and the sample information are provided by the client.				

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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

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

5 RF Exposure Evaluation

5.1 RF Exposure Compliance Requirement

Given $E = \frac{\sqrt{30 \times P \times G}}{d}$ & $S = \frac{E^2}{377}$

Where E = Field strength in Volts / meter

P = Power in Watts

G = Numeric antenna gain

d = Distance in meters

S = Power density in milliwatts / square centimeter

Combining equations and re-arranging the terms to express the distance as a function of the remaining variables yields:

$$S = \frac{30 \times P \times G}{377 d^2}$$

Changing to units of mW and cm, using:

$$P \text{ (mW)} = P \text{ (W)} / 1000 \text{ and}$$

$$d \text{ (cm)} = d \text{ (m)} / 100$$

Yields

$$S = \frac{30 \times (P/1000) \times G}{377 \times (d/100)^2} = 0.0796 \times \frac{P \times G}{d^2} \quad \text{Equation 1}$$

Where d = Distance in cm

P = Power in mW

G = Numeric antenna gain

S = Power density in mW / cm²

5.2 Maximum Permissible Exposure

Substituting the MPE safe distance using $d = 20$ cm into Equation 1:

$$S = 0.000199 \times P \times G$$

Where P = Power in mW

G = Numeric antenna gain

S = Power density in mW / cm²

Bluetooth:

Ch.	Frq.(MHz)	P (mW)	Gain (num.)	D (cm)	Power density in mW / cm ²	Limit (mW/cm2)
39	2441	0.201	1.28	20	0.0001	1

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No.EED32L00286801 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 except in full.