

Hangzhou Tangpushi Home Products Co., LTD

MPE ASSESSMENT REPORT

Report Type:
FCC MPE assessment report

Model:
DT82LEU/MT-1.2/14

REPORT NUMBER:
260700296SHA-002

ISSUE DATE:
Aug 12, 2026

DOCUMENT CONTROL NUMBER:
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Applicant: Hangzhou Tangpushi Home Products Co., LTD
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Manufacturer: Hangzhou Tangpushi Home Products Co., LTD
Room 1502-01, Building 2, Xizi International Center, Nanyuan Street,
Linping District, Hangzhou, 311199, China

FCC ID: 2BVJCDT82LEUMT

SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification:

KDB447498 D01 General RF Exposure Guidance v06

FCC Part2.1091, FCC Part1.1307(b)

PREPARED BY:

Project Engineer

Teddy Yin

REVIEWED BY:

Reviewer

Wakeyou Wang

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Revision History

Report No.	Version	Description	Issued Date
260700296SHA-002	Rev. 01	Initial issue of report	Aug 12, 2026

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test (EUT)

Product name:	Curtain Motor
Type/Model/PMN/HVIN:	DT82LEU/MT-1.2/14
Description of EUT:	The EUT can transmit 433.92MHz signal.
Rating:	USB input: DC 5V
EUT type:	☒ Table top ☐ Floor standing
Hardware Version:	/
Software Version:	/
Sample No.:	A260722-51-001
Sample received date:	Jul 24, 2026
Date of test:	Jul 24~Aug 6, 2026

1.2 Technical Specification

Operation Frequency:	433.92MHz
Type of Modulation:	FSK
Product Type:	☐ Mobile ☐ Portable ☒ Fix Location
Channel Number:	1
Antenna Information:	line antenna(declared by the manufacturer)

TEST REPORT

1.3 Description of Test Facility

Name:	Intertek Testing Services (Shanghai FTZ) Co., Ltd.
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized, certified, or accredited by these organizations:	CNAS Accreditation Lab Registration No. CNAS L21189
	FCC Accredited Lab Designation Number: CN0175
	IC Registration Lab CAB identifier.: CN0014
	VCCI Registration Lab Registration No.: R-14243, G-10845, C-14723, T-12252
	A2LA Accreditation Lab Certificate Number: 3309.02

2 MPE Assessment

Test result: Pass

2.1 MPE Assessment Limit

Mobile device exposure for standalone operations:

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (uT)	Equivalent plane wave power density S_{eq} (W/m ²)
0-1 Hz	-	$3,2 \times 10^4$	4×10^4	-
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	-
8-25 Hz	10 000	4 000/f	5 000/f	-
0,025-0,8 kHz	250/f	4/f	5/f	-
0,8-3 kHz	250/f	5	6,25	-
3-150 kHz	87	5	6,25	-
0,15-1 MHz	87	0,73/f	0,92/f	-
1-10 MHz	$87/f^{1/2}$	0,73/f	0,92/f	-
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375 f^{1/2}$	$0,0037 f^{1/2}$	$0,0046 f^{1/2}$	f/200
2-300 GHz	61	0,16	0,20	10

Mobile device exposure for simultaneous transmission operations: **the sum of the MPE ratios for all simultaneously transmitting antennas incorporated in a host device is ≤ 1.0**

2.2 Assessment Results

Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^2)$$

Where S = power density in mW/cm²

P = Radiated transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

433.92MHz

Field Strength	EIRP	EIRP	Distance	MPE
dBuV/m	dBm	mW	cm	mW/cm ²
89.60	-5.7	0.27	20	0.00005

Note: EIRP= E-95.3

where:

E=electric field strength in dBuV/m,

EIRP= equivalent isotropic radiated power

BLE & Thread

Mode	Max. Peak power incl. tune-up (dBm)	Maximum EIRP(dBm)	Maximum EIRP(mW)	Distance (cm)	MPE (mW/cm ²)
BLE	7	8	6.31	20	0.001
Thread	7	8	6.31	20	0.001

Note: BLE and Thread cannot transmit simultaneously as they share the same antenna.

so the maximum rate of MPE is $0.001/1+0.00005/0.217=0.0012 < 1$

Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended.

***** END *****