

Rollease Acmeda Inc

MPE ASSESSMENT REPORT

Report Type:

FCC MPE assessment report

Model:

MT01-5325-069007, MT01-5325-069007-CT, MT01-5325-069009,
MT01-5325-069012, MT01-5325-069012-CT, MT01-1325-069039,
MT01-1325-069039-CT, MT01-5325-069008,
MT01-5325-069008-CT, MT01-5325-069010,
MT01-5325-069011, MT01-5325-069011-CT,
MT01-5325-331011, MT01-5325-331011-CT,
MT01-5325-331012, MT01-5325-331012-CT,
MT01-5325-331013, MT01-5325-331013-CT,
MT01-5328-069003, MT01-5328-069003-CT,
MT01-5328-069004, MT01-5328-069005, MT01-5328-069005-CT

REPORT NUMBER:

2605B2230SHA-002

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Manufacturer: Rollease Acmeda Inc
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FCC ID: 2AGGZ003B9ACA62

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
2605B2230SHA-002	Rev. 01	Initial issue of report	Aug 3, 2026

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test (EUT)

Product name:	Tubular motor
Type/Model/PMN/HVIN:	MT01-5325-069007, MT01-5325-069007-CT, MT01-5325-069009, MT01-5325-069012, MT01-5325-069012-CT, MT01-1325-069039, MT01-1325-069039-CT, MT01-5325-069008, MT01-5325-069008-CT, MT01-5325-069010, MT01-5325-069011, MT01-5325-069011-CT, MT01-5325-331011, MT01-5325-331011-CT, MT01-5325-331012, MT01-5325-331012-CT, MT01-5325-331013, MT01-5325-331013-CT, MT01-5328-069003, MT01-5328-069003-CT, MT01-5328-069004, MT01-5328-069005, MT01-5328-069005-CT
Description of EUT:	The EUT can transmit 433.92MHz signal. All models have the fully same 433.92MHz RF circuit. Refer to the following table for the details of the differences. MT01-5325-069008 was chosen to perform all tests after review.
Rating:	USB input: DC 5V
EUT type:	☒ Table top ☐ Floor standing
Hardware Version:	/
Software Version:	/
Sample No.:	A260528-52-001
Sample received date:	Jun 3, 2026
Date of test:	Jun 4~16, 2026

Region	Model	Description	battery	Motor	Claimed torque /speed	Motor outer tube diameter	Packing method
US/CA	MT01-5325-069007	AUTOMATE LI-ION 0.7NM ARC PRO [Ø25/5V/28RPM](SKY)	DCA101-04-02A-T 2600mAh,7.2V	Motor 1	0.7Nm 28r/min	Ø25	The middle box contains small boxes
US/CA	MT01-5325-069007-CT	AUTOMATE LI-ION 0.7CT ARC PRO [Ø25/5V/28RPM](SKY)			0.7Nm 28r/min		The middle box does not contain small boxes
AU/NZ	MT01-5325-069009	AUTOMATE LI-ION 0.7NM ARCPRO [Ø25/5V/20RPM](S45)			0.7Nm 20r/min		The middle box contains small boxes
US/CA	MT01-5325-069012	AUTOMATE LI-ION 0.7CT ARC PRO[Ø 25/5V/28RPM](R8)			0.7Nm 28r/min		The middle box contains small boxes
US/CA	MT01-5325-069012-CT	AUTOMATE LI-ION 0.7CT ARC PRO[Ø 25/5V/28RPM](R8)			0.7Nm 28r/min		The middle box does not contain small boxes

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US/CA	MT01-1325-069039	SAVANT 5V ZERO LION 1.1NM [Ø25/5V/28RPM] R8	DCA102-04-03A-T 2600mAh,10.8V		1.1Nm 28r/min	Ø25	The middle box contains small boxes
US/CA	MT01-1325-069039-CT	SAVANT 5V ZERO LION 1.1NM CT20 [Ø25/5V/28RPM] R8			1.1Nm 28r/min		The middle box does not contain small boxes
US/CA	MT01-5325-069008	AUTOMATE LI-ION 1.1NM ARC PRO [Ø25/5V/28RPM](SKY)			1.1Nm 28r/min		The middle box contains small boxes
US/CA	MT01-5325-069008-CT	AUTOMATE LI-ION 1.1CT ARC PRO [Ø25/5V/28RPM](SKY)			1.1Nm 28r/min		The middle box does not contain small boxes
AU/NZ	MT01-5325-069010	AUTOMATE LI-ION 1.1NM ARC PRO [Ø25/5V/20RPM](S45)			1.1Nm 20r/min		The middle box contains small boxes
US/CA	MT01-5325-069011	AUTOMATE LI-ION 1.1CT ARC PRO [Ø25/5V/28RPM](R8)			1.1Nm 28r/min		The middle box contains small boxes
US/CA	MT01-5325-069011-CT	AUTOMATE LI-ION 1.1CT ARC PRO [Ø25/5V/28RPM](R8)	DCA101-04-02A-T 2600mAh,7.2V	Motor 3	1.1Nm 28r/min	The middle box does not contain small boxes	
US/CA	MT01-5325-331011	ZERO LI-ION 0.3NM DUALIFT Q [Ø25/5V/100RPM]SKY			0.3Nm 100r/min	The middle box contains small boxes	
US/CA	MT01-5325-331011-CT	ZERO LI-ION 0.3NM DUALIFT Q CT20 [Ø25/5V/100RPM]SKY				The middle box does not contain small boxes	
US/CA	MT01-5325-331012	ZERO LI-ION 0.3NM DUALIFT Q [Ø25/5V/100RPM]R8				The middle box contains small boxes	
US/CA	MT01-5325-331012-CT	ZERO LI-ION 0.3NM DUALIFT Q CT20 [Ø25/5V/100RPM]R8				The middle box does not contain small boxes	
AU/NZ	MT01-5325-331013	ZERO LI-ION 0.3NM DUALIFT Q [Ø25/5V/100RPM]S45				The middle box contains small boxes	
AU/NZ	MT01-5325-331013-CT	ZERO LI-ION 0.3NM DUALIFT Q CT20 [Ø25/5V/100RPM]S45	DCA102-04-03A-T 2600mAh,10.8V	Motor 2		2Nm 28r/min	Ø28
US/CA	MT01-5328-069003	AUTOMATE LI-ION 2.0NM ARC PRO [Ø28/5V/28RPM](SKY)			2Nm 28r/min	The middle box does not contain small boxes	
US/CA	MT01-5328-069003-CT	AUTOMATE LI-ION 2.0CT ARC PRO [Ø28/5V/28RPM](SKY)			2Nm 28r/min	The middle box does not contain small boxes	
AU/NZ	MT01-5328-069004	AUTOMATE LI-ION 2.0NM ARC PRO [Ø28/5V/20RPM](S45)			2Nm 20r/min	The middle box contains small boxes	
GL	MT01-5328-069005	AUTOMATE LI-ION 2.0NM ARC PRO [Ø28/5V/20RPM](R8)			2Nm 20r/min	The middle box contains small boxes	
GL	MT01-5328-069005-CT	AUTOMATE LI-ION 2.0NM ARC PRO [Ø28/5V/20RPM](R8)			2Nm 20r/min	The middle box does not contain small boxes	

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1.2 Technical Specification

Operation Frequency:	433.92MHz
Type of Modulation:	2GFSK
Product Type:	☐ Mobile ☐ Portable ☒ Fix Location
Channel Number:	1
Antenna Information:	line antenna(declared by the manufacturer)

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
95.60	0.3	1.07	20	0.0002

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	8	10.62	11.53	20	0.0023
Thread	8	10.62	11.53	20	0.0023

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

so the maximum rate of MPE is $0.0023/1+0.0002/0.217=0.0032 < 1$

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 *****