Report No: 709502408990-00B



## **RF Exposure Estimation**

## 1. Introduction

Applicant:	Rollease Acmeda Inc					
Address:	750 East Main Street, 7th Floor, Stamford, CT 06902 USA					
Product:	TDBU Center Mount 12VDC Motor					
FCC ID:	2AGGZ003B9ACA5C					
Model No.:	MT01-3101-067004					
Reference RF report #	709502408990-00B					

## 2. B.2 Blanket 1 mW Blanket Exemption

According to KDB 447498 D04, the 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance. The 1 mW blanket exemption applies at separation distances less than 0.5 cm, including where there is no separation. This exemption shall not be used in conjunction with other exemption criteria other than those for multiple RF sources in paragraph § 1.1307(b)(3)(ii)(A). The 1 mW exemption is independent of service type and covers the full range of 100 kHz to 100 GHz, but it shall not be used in conjunction with other exemption criteria or in devices with higher-power transmitters operating in the same time-averaging period. Exposure from such higher-power transmitters would invalidate the underlying assumption that exposure from the lower-power transmitter is the only contributor to SAR in the relevant volume of tissue.

## 3. RF Exposure Evaluation

Per the test report included herein, for 433.92MHz

According to C63.10-2020 Annex G  
EIRP = pt × gt = 
$$(E \times d)^2/30$$
 (G.1)  
where

pt is the transmitter output power in watts

gt is the numeric gain of the transmitting antenna (dimensionless)

E is the electric field strength in V/m

d is the measurement distance in meters (m)

ERP = EIRP 
$$/1.64 = (E \times d)^2 / (30 \times 1.64) = (E \times d)^2 / 49.2$$
 (G.2)  
Transmitter output power for 433.92MHz Function

Field strength (E):	81.60 (dBuV/m) = 0.01202 (V/m)
Measurement distance (D):	3 (m)
Transmitter output power (TP):	0.000079288 (W)
Transmitter output power (TP):	0.079288 (mW)

Report No: 709502408990-00B



We used the maximum ERP/EIRP to perform RF exposure exemption evaluation.

Evaluation method	Exempt Limit (mW)	Verdict	
Blanket 1 mW Blanket Exemption	1mW	Yes	
MPE-based Exemption (ERP)	7mW (ERP)	N/A	
SAR-based Exemption (Pth)	3060mW	N/A	

So, the device is qualified for SAR test exemption, the exemption report is in lieu of the SAR report.

	TI 1\ /		Certification	I	T 1:	/OI-:\	$\sim$	1 4 -1	Ol :	D I-
_	1111/	$\sim$ 1111	L.Artitication	ลทด	I ACTINA	u nina)	( .A	ו זמ	Snandnai	Branch
	100	000	Ochinication	ana	1 County	(Orma)	OO.,	LIU.	Onangnai	Diano
						` ,	,			

Reviewed by: Prepared by: Tested by:

Hui TONG

Yongqing ZHENG

Tianji XU

**EMC Section Manager** 

Date: January 06, 2025

**EMC Project Engineer** Date: January 06, 2025

**EMC Test Engineer** 

Date: January 06, 2025

------End of Test Report-------