

RF EXPOSURE REPORT

Applicant	JCW Investments Inc. DBA Tekky Toys
Address	11415 W. 183rd Place, Suite E, Orland Park, Illinois 60467, USA

Manufacturer or Supplier	Xinming Handcraft Production Manufactory
Address	No 3 XiHeng 3 Lane ZhenHua Road QiShi Town DongGuan China
Product	Bluetooth Nutcracker
Brand Name	6.5-ft Animated Bluetooth Nutcracker
Model	5968040
Additional Models & Model Difference	5968039, 93116, 93118; see items 1.1
Date of tests	Apr. 07, 2024 ~ Apr. 30, 2024

FCC Part 2 (Section 2.1091)

KDB 447498 D01 V06

IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Eric Fang
Project Engineer / EMC Department

Approved by Glyn He
Assistant Manager / EMC Department




Date: May 10, 2024

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VERITAS

Test Report No.: FM2404WDG0026

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2404WDG0026	Original release	May 10, 2024

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1. CERTIFICATION

FCC ID:	2AAAI-TEKKY-BT
PRODUCT:	Bluetooth Nutcracker
BRAND NAME:	6.5-ft Animated Bluetooth Nutcracker
MODEL NO.:	5968040
ADDITIONAL NO.:	5968039, 93116, 93118;
APPLICANT:	JCW Investments Inc. DBA Tekky Toys
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01 V06
	IEEE C95.1

1. The additional models (see table above) are identical with the test model 5968040 except the model no. and Skin tone outer appearance for trading purposes.

Production name	Trading	Model no.
Bluetooth Nutcracker	Retailer	5968040
		5968039
	Manufacturer	93116
		93118



2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$$Pd = (Pout * G) / (4 * pi * r^2)$$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	-0.63	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	-1	+2	-3	1
8DPSK	2402-2480	-1	+2	-3	1

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2402	-1.35
8DPSK	2402	-1.21

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	1	-0.63	20	0.000217	1.0

--- END ---