



Test Report No.: FM2305WDG0208-2



RF EXPOSURE REPORT

Applicant	ACE BAYOU CORP.
Address	3700 Desire Parkway, New Orleans, LA 70126, United States

Manufacturer or Supplier	ACE BAYOU CORP.
Address	3700 Desire Parkway, New Orleans, LA 70126, United States
Product	X Rocker Chair
Brand Name	X rocker
Model	DACTL
Additional Model & Model Difference	51XXXXX/07XXXXX(X=0~9), See section 1
Date of tests	May 30, 2023 ~ Jul. 06, 2023

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 Niko Zhang
Project Engineer / EMC Department

Approved by Glyn He
Assistant Manager / EMC Department

Date: Jul. 19, 2023

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2305WDG0208-2	Original release	Jul. 19, 2023

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1. CERTIFICATION

FCC ID:	XVMDACTL
PRODUCT:	X Rocker Chair
BRAND NAME:	X rocker
MODEL NO.:	DACTL
ADDITIONAL NO.:	51XXXXX/07XXXXX(X=0~9)
APPLICANT:	ACE BAYOU CORP.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01 V06
	IEEE C95.1

Note: Additional models are identical with the test model DACTL except the model number for marketing purpose.



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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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	2.0	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
TX	914-916	-28	±2	-30	-26

The measured conducted Power

Mode	Frequency (MHz)	Averaged Power (dBuV/m)	Averaged Power (dBm)
TX	914	70.04	-27.19

Note: $E = \frac{\sqrt{30 PG}}{d}$

E =Electric field streng in v/m

$V/m = 10^{(dBuV/m - 120)/20}$

P =Power in Watts

G =Antenna gain in dBi

d =Measurement distance in metres

Power ≈0.00191 (mW)

$dBm = 10 * \log_{10}(0.00191) \approx -27.19 \text{ (dBm)}$

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
914-915	-26	2.0	20	0.0000008	0.609

--- END ---