

RF EXPOSURE REPORT

Applicant	SHANTOU CITY CHENGHAI DISTRICT CAI DI TOYS FACTORY
Address	No.7, Lane 5, Pumei Meile Qu, Guangyi Street, Chenghai District, Shantou City,Guangdong Province, China

Manufacturer or Supplier	SHANTOU CITY CHENGHAI DISTRICT CAI DI TOYS FACTORY
Address	No.7, Lane 5, Pumei Meile Qu, Guangyi Street, Chenghai District, Shantou City,Guangdong Province, China
Product	TOYS SERIES
Brand Name	N/A
Model	CD8818
Additional Model & Model Difference	CD8817, CD8817-1, CD8818-1, etc, see item 1
Date of tests	Oct. 09, 2024 ~ Oct. 26, 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 Andrew Sha Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	
	Date: Oct. 29, 2024

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Table of Contents

RELEASE CONTROL RECORD	3
1. CERTIFICATION.....	4
2. RF EXPOSURE LIMIT	5
3. MPE CALCULATION FORMULA.....	5
4. CLASSIFICATION	5
5. ANTENNA GAIN	6
6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....	6



Test Report No.: FM2410WDG0020

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2410WDG0020	Original release	Oct. 29, 2024

1. CERTIFICATION

FCC ID:	2BLIZ8818
PRODUCT:	TOYS SERIES
BRAND NAME:	N/A
MODEL NO.:	CD8818
ADDITIONAL NO.:	CD8817, CD8817-1, CD8818-1, CD8819, CD8819-1, CD8820, CD8820-1, CD8821, CD8821-1
APPLICANT:	SHANTOU CITY CHENGHAI DISTRICT CAI DI TOYS FACTORY
STANDARDS:	FCC Part 2 (Section 2.1093)
	KDB 447498 D01 V06
	IEEE C95.1

Note:

Additional models (see above table) are identical with the test model NO.CD8817 except the color of the appearance and model number for trading 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

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

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:

Test Mode	Peak Gain (dBi)	Antenna Type
BT	2.499	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	0	+2	-2	2
8DPSK	2402-2480	0	+2	-2	2

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	0.86
8DPSK	2441	0.59

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	2	2.499	20	0.00056057	1.0

--- END ---