

RF EXPOSURE REPORT

Applicant	Canal Toys USA LTD.
Address	1700 West Park Drive, Suite 120 Westborough, MA 01581 USA



Manufacturer or Supplier	Canal Toys USA LTD.
Address	1700 West Park Drive, Suite 120 Westborough, MA 01581 USA
Product	Video Maker Kit 360°
Brand Name	Studio Creator 360°
Model	INF 028
Additional Model & Model Difference	872064
Date of tests	Mar. 23, 2023 ~ Apr. 11, 2023

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **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: Apr. 17, 2023

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Test Report No.: FM2303WDG0189

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2303WDG0189	Original release	Apr. 17, 2023

1. CERTIFICATION

FCC ID:	2BAOZ-872064
PRODUCT:	Video Maker Kit 360°
BRAND NAME:	Studio Creator 360°
MODEL NO.:	INF 028
ADDITIONAL NO.:	872064
APPLICANT:	Canal Toys USA LTD.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

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:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	0.4	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)
BT-LE GFSK (1 Mbps)	2402-2480	2	+ -1	1	3
BT-LE GFSK (2 Mbps)	2402-2480	2	+ -1	1	3

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT-LE GFSK (1 Mbps)	2402	2.79
BT-LE GFSK (2 Mbps)	2440	1.42

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	3	0.4	20	0.000435	1.0

--- END ---