RF EXPOSURE REPORT

Applicant	GUANGDONG HENGDI TECHNOLOGY CORP., LTD.
Address	Xiongye Industrial Park, Dengfeng Road, Guangyi Residential District, Chenghai Area, Shantou, China

Manufacturer or Supplier	GUANGDONG HENGDI TECHNOLOGY CORP., LTD.
Address	Xiongye Industrial Park, Dengfeng Road, Guangyi Residential District, Chenghai Area, Shantou, China
Product	AI SMART TOYS
Brand Name	N/A
Model	1803
Additional Model & Model Difference	1801, 1802, 1802-1; etc, see items 1
Date of tests	May 10, 2018 ~ Jun. 05, 2018

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to <u>COMPLY</u> with the test requirement

Tested by Ryan Lu Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
(signature: Ryan)	*(signature)* Date: Jun. 26, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180510N037	Original release	Jun. 26, 2018

Report Version 1

1. CERTIFICATION

FCC ID:	2AIID-1803
PRODUCT:	AI SMART TOYS
BRAND NAME:	N/A
MODEL NO.:	1803
ADDITIONAL NO.:	1801, 1802, 1802-1, 1802-2, 102-3, 1336, 1340, 1306, 1706A, 1706W, 1706G, 1339A, 1339C, 1339W, 1343A, 1343C, 1343W, 1332A, 1332C, 1332W, 1335W, 1335S, 1327A, 1327C, 1327W, 1327S, 1705W, 1806A, 1806W, 1345A, 1345W, 1811, 1704, ODY-555, ODY-555Y, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1819, 1820
APPLICANT:	GUANGDONG HENGDI TECHNOLOGY CORP., LTD.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

NOTE:

1. Additional models (see above table) are identical with the test model 1803, except the model no. and appearance for trading purpose.

    Remark: Innovative Technology can be used for ITVS-126;

    Victrola can be used for VJB-126;

    Leetac can be used for E-6H11, E-6H1x.

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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/cm^2

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**.

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5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	-0.58	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	-6	+-2	-8	-4
8DPSK	2402-2480	-6	+-2	-8	-4
BT-LE	2402-2480	-4	+-2	-6	-2

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2402	-5.39
8DPSK	2440	-5.68
BT-LE	2440	-2.95

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	-2	-0.58	20	0.00011	1.0

--- END ---

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