RF EXPOSURE REPORT

Applicant	Shenzhen Great Power Innovation And Technology Enterprise Co.,Ltd
Address	No. 331, No. 335, Guiyue Road, Dafu Community, Guanlan Street, Longhua District, Shenzhen, China

Manufacturer or Supplier	Shenzhen Great Power Innovation And Technology Enterprise Co.,Ltd
Address	No. 331, No. 335, Guiyue Road, Dafu Community, Guanlan Street, Longhua District, Shenzhen, China
Product	Sharp Sleep Sound Alarm Clock
Brand Name	SHARP
Model	SPC276
Additional Model & Model Difference	SPC276CBAMZ, SPC276BFAMZ
Date of tests	Oct. 26, 2020~ Nov. 10, 2020

☒ **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 Aaron Liang Project Engineer / EMC Department	Approved by David Huang Supervisor/ EMC Department
Aaron Liang	David Huang Date: Nov. 11, 2020

Table of Contents

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2010WSZ0079	Original release	Nov. 11, 2020

1. CERTIFICATION

FCC ID:	ZY9-SPC276
PRODUCT:	Sharp Sleep Sound Alarm Clock
BRAND NAME:	SHARP
MODEL NO.:	SPC276
ADDITIONAL NO.:	SPC276CBAMZ, SPC276BFAMZ
APPLICANT:	Shenzhen Great Power Innovation
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

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

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**.

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	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	4.5	+-2	2.5	6.5

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2402	4.78
GFSK	2441	4.70
GFSK	2480	4.48

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	6.5	0	20	0.00089	1

--- END ---