

RF EXPOSURE REPORT

Applicant	Digital Gallery Global Limited
Address	Flat 20, 11/F, BLK A, Hoi Luen Industrial Centre, 55 Hoi Yuen Road, Kwun Tong, Kowloon, Hong Kong

Manufacturer or Supplier	Nosanky Electronic Technology Co. Ltd
Address	3/F, No. 12, Silianhuamao Industrial Zone, Henggang Street, Longgang District, Shenzhen, China
Product	Bluetooth Alarm Clock Radio with USB Port
Brand Name	SHARP
Additional Brand name	NELSONIC
Model	SPC729
Additional Model & Model Difference	SPC729A, SPC729B, SPC729D, SPC729AMZ, NLC729, NLC729A, NLC729B, NLC729D, NLC729AMZ, see items 1
Date of tests	Sep. 01, 2021 ~ Sep. 06, 2021

☒ **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 Andrew Sha
Project Engineer / EMC Department

Approved by Glyn He
Assistant Manager / EMC Department




Date: Sep. 15, 2021

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Test Report No.: FM2108WDG0211

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2108WDG0211	Original release	Sep. 15, 2021

1. CERTIFICATION

FCC ID:	P5FSPC729
PRODUCT:	Bluetooth Alarm Clock Radio with USB Port
BRAND NAME:	SHARP
MODEL NO.:	SPC729
ADDITIONAL NO.:	SPC729A, SPC729B, SPC729D, SPC729AMZ, NLC729, NLC729A, NLC729B, NLC729D, NLC729AMZ
APPLICANT:	Digital Gallery Global Limited
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	1.0	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	-1	+2	-3	1
8DPSK	2402-2480	-1	+2	-3	1

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2402	-0.80
8DPSK	2402	-0.73

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	1	1.0	20	0.000315	1.0

--- END ---