RF EXPOSURE REPORT

Applicant	TCL Technoly Electronics(Huizhou) Co., Ltd.
Address	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guang Dong Province, China 516006

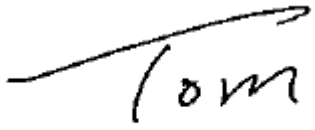
Manufacturer or Supplier	TCL Technoly Electronics(Huizhou) Co., Ltd.
Address	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guang Dong Province, China 516006
Product	Citizen Smart Clock
Brand Name	Citizen
Model	CC5011
Additional Model & Model Difference	CC5012, CC5100, CC5101, CC5102, CC5103, CC5104, CC5105, CC5106, CC5107, CC5108, CC5109, CC5110, CC5111, CC5112, CC5113, CC5114, CC5115, CC5116, CC5117, CC5118, CC5119, CC5200, See item 1 note
Date of tests	Sep. 04, 2019 ~ Sep. 29, 2019

☒ **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 Tom Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager/ EMC Department
	 Date: Oct. 12, 2019

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190904N001	Original release	Oct. 12, 2019

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1. CERTIFICATION

FCC ID:	ZVAOH000023
PRODUCT:	Citizen Smart Clock
BRAND NAME:	Citizen
MODEL NO.:	CC5011
ADDITIONAL NO.:	CC5012, CC5100, CC5101, CC5102, CC5103, CC5104, CC5105, CC5106, CC5107, CC5108, CC5109, CC5110, CC5111, CC5112, CC5113, CC5114, CC5115, CC5116, CC5117, CC5118, CC5119, CC5200
APPLICANT:	Citizen Watch Company of America, Inc.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

NOTES:

1. Additional models (see about table) are identical with the test model CC5011 except the appearance and model no. 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

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

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	2.89	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	+-1	3	5
8DPSK	2402-2480	2	+-1	1	3
BLE-GFSK	2402-2480	2	+-1	1	3

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2480	4.39
8DPSK	2480	2.49
BLE-GFSK	2480	2.54

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	5	2.89	20	0.001224	1.0

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