



# FCC RF EXPOSURE REPORT CERTIFICATION TEST REPORT

For

**Cuckoo Clock** 

**MODEL NUMBER: P3NEC4** 

FCC ID: 2AX7P-7463

REPORT NUMBER: 4899734005-6

ISSUE DATE: January 22, 2021

Prepared for

Metavolcanic Rock LLC 113 South Monroe Street Tallahassee, FL 32301

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China

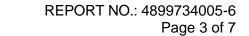
> Tel: +86 769 22038881 Fax: +86 769 33244054 Website: www.ul.com



REPORT NO.: 4899734005-6 Page 2 of 7

# **Revision History**

Rev.	Issue Date	Revisions	Revised By
V0	01/22/2021	Initial Issue	





# **TABLE OF CONTENTS**

ΑT	TESTATION OF TEST RESULTS	4
1.	TEST METHODOLOGY	5
2.	FACILITIES AND ACCREDITATION	5
3	REQUIREMENT	6



REPORT NO.: 4899734005-6

Page 4 of 7

## ATTESTATION OF TEST RESULTS

**Applicant Information** 

Company Name: Metavolcanic Rock LLC

Address: 113 South Monroe Street Tallahassee, FL 32301

**Manufacturer Information** 

Company Name: TCL Technoly Electronics (Huizhou) Co., Ltd.

Section 37, Zhongkai High-tech Development Zone, Huizhou City, Address:

Guang Dong Province, P.R. China

**EUT Information** 

**EUT Name:** Cuckoo Clock Model: P3NEC4

Sample Received Date: January 18, 2021

Sample Status: Normal 3492100 Sample ID:

Date of Tested: January 18~22, 2021

APPLICABLE STANDARDS			
STANDARD	TEST RESULTS		
FCC 47CFR§2.1091	PASS		

Prepared By: Check By:

Kebo Zhang Shawn Wen

**Project Engineer Laboratory Leader** 

Approved By:

Stephen Guo

Laboratory Manager



REPORT NO.: 4899734005-6 Page 5 of 7

# 1. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

# 2. FACILITIES AND ACCREDITATION

A2LA (Certificate No.: 4102.01)
UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
has been assessed and proved to be in compliance with A2LA.
FCC (FCC Designation No.: CN1187)
UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Has been recognized to perform compliance testing on equipment subject
to the Commission's Declaration of Conformity (DoC) and Certification rules
ISED (Company No.: 21320)
UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
has been registered and fully described in a report filed with
Industry Canada. The Company Number is 21320.
VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)
UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
has been assessed and proved to be in compliance with VCCI, the
Membership No. is 3793.
Facility Name:
Chamber D, the VCCI registration No. is G-20019 and R-20004
Shielding Room B, the VCCI registration No. is C-20012 and T-20011

Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China.

REPORT NO.: 4899734005-6 Page 6 of 7

#### 3. REQUIREMENT

#### **LIMIT AND CALCULATION METHOD**

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with. Limits for General Population/Uncontrolled Exposure

#### **RF EXPOSURE LIMIT**

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm²)	Averaging Time  E ²,  H ² or S (Minutes)
0.3 1.34	614	1.63	(100)*	30
1.34 30	824/f	2.19/f	(180/f <sup>2</sup> )*	30
30 300	27.5	0.073	0.2	30
300 1500			f/1500	30
1500 100,000			1.0	30

### **CALCULATION METHOD**

S=PG/4πR<sup>2</sup>

Where:

S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna



REPORT NO.: 4899734005-6 Page 7 of 7

# **CALCULATED RESULTS**

(Worst case)						
Operating	Max. Tune up Power	Antenna Gain		Power density	Limit	
Mode	(dBm)	(dBi)	(num)	(mW/ cm <sup>2</sup> )		
ВТ	4	3.61	2.3	0.00115	1	

# Note:

- 1. The minimum separation distance of the device is greater than 20 cm.
- 2. Calculate by WORST-CASE mode.

**END OF REPORT**