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REPORT NO.: EM-SC150110 (C1M1512102)

DATE: 2015. 12. 11

1. APPLICANT : OrangeTek Limited
Coach House Blakenhall Park Bar Lane,
Barton under Needwood, Burton upon Trent,
DE13 8AJ, United Kingdom.
2. MANUFACTURER : OrangeTek Limited
Coach House Blakenhall Park Bar Lane,
Barton under Needwood, Burton upon Trent,
DE13 8AJ, United Kingdom.
3. PREPARED BY : AUDIX Technology Corporation.
EMC Department
No. 53-11, Dingfu, Linkou Dist.,
New Taipei City 244, Taiwan
Tel: (02) 2609-9301~2; Fax: (02) 2609-9303
4. DESCRIPTION OF DEVICE
 - A) MODEL NO. : AriaLED mini 20-450mA
 - B) SERIAL NO. : N/A
 - C) TEST UNIT : Sample 1, Sample 2, Sample 3, Sample 4, Sample 5
 - D) TEST VOLTAGE : AC 210V/50Hz, AC 220V/50Hz, AC 230V/50Hz,
AC 240V/50Hz, AC 250V/50Hz
5. DATE OF MEASUREMENT : 2015. 12. 10
6. PLACE OF MEASUREMENT : **AUDIX Technology Corporation**
EMC Department
Immunity Test Site
No. 53-11, Dingfu, Linkou Dist.,
New Taipei City 244, Taiwan
- SIGNATURE :


Alex Deng/Deputy Manager
AUDIX Technology Corporation
EMC Department
2015. 12. 11

Sample 1 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 29.3 | 0.144 | 0.965 |
| 220 | 50 | 29.3 | 0.139 | 0.957 |
| 230 | 50 | 29.4 | 0.135 | 0.947 |
| 240 | 50 | 29.4 | 0.131 | 0.935 |
| 250 | 50 | 29.5 | 0.128 | 0.922 |

Sample 2 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 29.1 | 0.143 | 0.967 |
| 220 | 50 | 29.2 | 0.138 | 0.958 |
| 230 | 50 | 29.3 | 0.134 | 0.948 |
| 240 | 50 | 29.3 | 0.130 | 0.937 |
| 250 | 50 | 29.4 | 0.127 | 0.925 |

Sample 3 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 29.3 | 0.144 | 0.966 |
| 220 | 50 | 29.4 | 0.139 | 0.958 |
| 230 | 50 | 29.4 | 0.135 | 0.948 |
| 240 | 50 | 29.5 | 0.131 | 0.937 |
| 250 | 50 | 29.5 | 0.128 | 0.924 |

Sample 4 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 29.2 | 0.144 | 0.965 |
| 220 | 50 | 29.2 | 0.139 | 0.957 |
| 230 | 50 | 29.2 | 0.134 | 0.948 |
| 240 | 50 | 29.3 | 0.130 | 0.937 |
| 250 | 50 | 29.3 | 0.127 | 0.924 |

Sample 5 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 29.4 | 0.145 | 0.965 |
| 220 | 50 | 29.4 | 0.140 | 0.956 |
| 230 | 50 | 29.4 | 0.135 | 0.947 |
| 240 | 50 | 29.4 | 0.131 | 0.935 |
| 250 | 50 | 29.6 | 0.128 | 0.922 |

Watts

| Voltage \ Sample | 1 | 2 | 3 | 4 | 5 |
|------------------|------|------|------|------|------|
| 210 | 29.3 | 29.1 | 29.3 | 29.2 | 29.4 |
| 220 | 29.3 | 29.2 | 29.4 | 29.2 | 29.4 |
| 230 | 29.4 | 29.3 | 29.4 | 29.2 | 29.4 |
| 240 | 29.4 | 29.3 | 29.5 | 29.3 | 29.4 |
| 250 | 29.5 | 29.4 | 29.5 | 29.3 | 29.6 |

VA

| Voltage \ Sample | 1 | 2 | 3 | 4 | 5 |
|------------------|------|------|------|------|------|
| 210 | 30.3 | 30.2 | 30.3 | 30.2 | 30.4 |
| 220 | 30.6 | 30.4 | 30.6 | 30.5 | 30.7 |
| 230 | 31.0 | 30.8 | 31.0 | 30.8 | 31.1 |
| 240 | 31.5 | 31.3 | 31.5 | 31.2 | 31.5 |
| 250 | 32.0 | 31.8 | 32.0 | 31.7 | 32.1 |

Notes: Test be conducted after operating for 1 hour to reach their steady load state.

Photograph of Sample

Photo 1 View of EUT



Photo 2 View of EUT

