


AUDIX TECHNOLOGY CORP., EMC DEPT.  
NO. 53-11, DINGFU, LINKOU DIST.,  
NEW TAIPEI CITY 244, TAIWAN, R.O.C.  
TEL : 886-2-2609-9301  
FAX : 886-2-2609-9303



HEAD OFFICE  
NO. 8, LANE 120, NEI HU RD.,  
TAIPEI, TAIWAN, R.O.C.  
TEL : 886-2-2659-4900  
FAX : 886-2-2659-4833

**REPORT NO.: EM-SC150023 (C1M1504211)**

**DATE: 2015. 04. 22**

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. : Voyager 30 Xi 300mA
  - 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. 04. 21
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. 04. 22

Sample 1 Dimmed to 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	29.73	0.140	0.988
220	50	29.66	0.137	0.986
230	50	29.63	0.130	0.983
240	50	29.62	0.126	0.980
250	50	29.45	0.119	0.978

Sample 2 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	29.90	0.141	0.988
220	50	29.87	0.135	0.986
230	50	29.79	0.131	0.984
240	50	29.78	0.126	0.981
250	50	29.78	0.121	0.978

Sample 3 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	29.67	0.14	0.988
220	50	29.60	0.134	0.986
230	50	29.56	0.130	0.983
240	50	29.56	0.125	0.980
250	50	29.49	0.120	0.978

Sample 4 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	29.67	0.143	0.988
220	50	29.64	0.137	0.986
230	50	29.69	0.131	0.984
240	50	29.73	0.126	0.981
250	50	29.73	0.121	0.978

Sample 5 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	29.62	0.143	0.988
220	50	29.64	0.137	0.986
230	50	29.68	0.131	0.984
240	50	29.68	0.126	0.982
250	50	29.68	0.121	0.979

**Watts**

Voltage \ Sample	1	2	3	4	5
210	29.73	29.90	29.67	29.67	29.62
220	29.66	29.87	29.60	29.64	29.64
230	29.63	29.79	29.56	29.69	29.68
240	29.62	29.78	29.56	29.73	29.68
250	29.45	29.78	29.49	29.73	29.68

**VA**

Voltage \ Sample	1	2	3	4	5
210	29.5	29.7	29.4	30.0	30.0
220	29.5	29.7	29.4	30.1	30.1
230	29.5	29.7	29.5	30.2	30.2
240	29.6	29.8	29.5	30.3	30.2
250	29.6	29.8	29.6	30.4	30.3

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

Sample 1 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	21.03	0.100	0.977
220	50	21.13	0.096	0.974
230	50	21.15	0.092	0.969
240	50	21.11	0.090	0.964
250	50	21.21	0.088	0.959

Sample 2 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	21.14	0.101	0.978
220	50	21.10	0.096	0.974
230	50	21.01	0.092	0.970
240	50	21.12	0.089	0.965
250	50	21.09	0.087	0.961

Sample 3 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	21.02	0.100	0.977
220	50	21.17	0.096	0.973
230	50	21.19	0.092	0.969
240	50	21.13	0.090	0.964
250	50	21.25	0.087	0.960

Sample 4 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	21.03	0.102	0.978
220	50	21.10	0.098	0.974
230	50	21.13	0.095	0.970
240	50	21.15	0.091	0.966
250	50	21.23	0.088	0.961

Sample 5 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	21.05	0.102	0.978
220	50	21.06	0.098	0.975
230	50	21.07	0.094	0.971
240	50	21.12	0.091	0.967
250	50	21.20	0.088	0.962

**Watts**

Voltage \ Sample	1	2	3	4	5
210	21.03	21.14	21.02	21.03	21.05
220	21.13	21.10	21.17	21.10	21.06
230	21.15	21.01	21.19	21.13	21.07
240	21.11	21.12	21.13	21.15	21.12
250	21.21	21.09	21.25	21.23	21.20

**VA**

Voltage \ Sample	1	2	3	4	5
210	21.0	21.1	21.0	21.5	21.5
220	21.1	21.2	21.0	21.7	21.6
230	21.2	21.2	21.2	21.8	21.7
240	21.3	21.4	21.2	21.9	21.9
250	21.4	21.4	21.3	22.1	22.0

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

Sample 1 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	15.68	0.075	0.961
220	50	15.66	0.072	0.956
230	50	15.68	0.069	0.949
240	50	15.70	0.067	0.941
250	50	15.66	0.067	0.938

Sample 2 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	15.65	0.075	0.962
220	50	15.62	0.072	0.957
230	50	15.60	0.069	0.951
240	50	15.72	0.067	0.944
250	50	15.81	0.065	0.937

Sample 3 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	15.03	0.074	0.961
220	50	15.06	0.072	0.955
230	50	15.68	0.070	0.949
240	50	15.74	0.067	0.943
250	50	15.81	0.068	0.936

Sample 4 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	15.58	0.077	0.962
220	50	15.60	0.074	0.957
230	50	15.65	0.072	0.951
240	50	15.74	0.069	0.944
250	50	15.81	0.068	0.937

Sample 5 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	15.52	0.077	0.963
220	50	15.59	0.074	0.958
230	50	15.67	0.072	0.952
240	50	15.73	0.069	0.945
250	50	15.76	0.067	0.939

**Watts**

Voltage \ Sample	1	2	3	4	5
210	15.68	15.65	15.03	15.58	15.52
220	15.66	15.62	15.06	15.60	15.59
230	15.68	15.60	15.68	15.65	15.67
240	15.70	15.72	15.74	15.74	15.73
250	15.66	15.81	15.81	15.81	15.76

**VA**

Voltage \ Sample	1	2	3	4	5
210	15.7	15.7	15.6	16.2	16.1
220	15.8	15.8	15.8	16.3	16.3
230	15.9	16.0	15.9	16.5	16.5
240	16.1	16.1	16.0	16.7	16.6
250	16.2	16.2	16.2	16.9	16.8

**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

