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REPORT NO.: EM-SC150021 (C1M1504209)

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 18 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 1 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.91	0.092	0.974
220	50	18.95	0.089	0.969
230	50	19.02	0.086	0.964
240	50	19.08	0.083	0.959
250	50	19.11	0.080	0.954

Sample 2 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.98	0.093	0.974
220	50	18.99	0.089	0.970
230	50	19.04	0.086	0.966
240	50	19.11	0.083	0.961
250	50	19.18	0.080	0.956

Sample 3 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.95	0.093	0.974
220	50	18.98	0.089	0.970
230	50	19.00	0.086	0.965
240	50	19.05	0.083	0.960
250	50	19.12	0.080	0.954

Sample 4 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.96	0.093	0.974
220	50	18.98	0.089	0.969
230	50	19.00	0.086	0.964
240	50	19.06	0.083	0.959
250	50	19.13	0.080	0.953

Sample 5 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.95	0.093	0.974
220	50	19.01	0.089	0.970
230	50	19.05	0.086	0.966
240	50	19.08	0.083	0.961
250	50	19.11	0.080	0.955

Watts

Voltage \ Sample	1	2	3	4	5
210	18.91	18.98	18.95	18.96	18.95
220	18.95	18.99	18.98	18.98	19.01
230	19.02	19.04	19.00	19.00	19.05
240	19.08	19.11	19.05	19.06	19.08
250	19.11	19.18	19.12	19.13	19.11

VA

Voltage \ Sample	1	2	3	4	5
210	19.4	19.5	19.5	19.5	19.5
220	19.5	19.6	19.6	19.6	19.6
230	19.7	19.7	19.7	19.7	19.7
240	19.9	19.9	19.8	19.9	19.9
250	20.1	20.1	20.0	20.1	20.0

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	13.68	0.068	0.954
220	50	13.71	0.066	0.947
230	50	13.77	0.064	0.940
240	50	13.87	0.062	0.931
250	50	13.92	0.060	0.922

Sample 2 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.70	0.068	0.956
220	50	13.74	0.066	0.949
230	50	13.81	0.064	0.941
240	50	13.91	0.062	0.934
250	50	13.95	0.060	0.926

Sample 3 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.71	0.068	0.956
220	50	13.77	0.066	0.948
230	50	13.80	0.064	0.940
240	50	13.84	0.062	0.932
250	50	13.90	0.060	0.924

Sample 4 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.68	0.068	0.954
220	50	13.76	0.066	0.947
230	50	13.83	0.064	0.940
240	50	13.89	0.062	0.932
250	50	13.93	0.060	0.923

Sample 5 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.71	0.068	0.956
220	50	13.76	0.066	0.949
230	50	13.79	0.064	0.941
240	50	13.84	0.062	0.933
250	50	13.94	0.060	0.923

Watts

Voltage \ Sample	1	2	3	4	5
210	13.68	13.70	13.71	13.68	13.71
220	13.71	13.74	13.77	13.76	13.76
230	13.77	13.81	13.80	13.83	13.79
240	13.87	13.91	13.84	13.89	13.84
250	13.92	13.95	13.90	13.93	13.94

VA

Voltage \ Sample	1	2	3	4	5
210	14.3	14.3	14.4	14.3	14.3
220	14.5	14.5	14.5	14.5	14.5
230	14.7	14.7	14.7	14.7	14.6
240	14.9	14.9	14.8	14.9	14.8
250	15.1	15.1	15.0	15.1	15.1

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

Sample 1 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	10.35	0.053	0.929
220	50	10.41	0.052	0.918
230	50	10.49	0.050	0.907
240	50	10.58	0.049	0.896
250	50	10.35	0.053	0.929

Sample 2 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	10.38	0.053	0.931
220	50	10.44	0.051	0.922
230	50	10.53	0.050	0.912
240	50	10.62	0.049	0.900
250	50	10.67	0.048	0.888

Sample 3 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	10.38	0.053	0.930
220	50	10.46	0.052	0.920
230	50	10.51	0.050	0.910
240	50	10.55	0.049	0.898
250	50	10.63	0.048	0.886

Sample 4 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	10.42	0.053	0.929
220	50	10.46	0.052	0.918
230	50	10.50	0.050	0.908
240	50	10.59	0.049	0.897
250	50	10.68	0.048	0.886

Sample 5 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	10.39	0.053	0.930
220	50	10.45	0.052	0.921
230	50	10.48	0.050	0.910
240	50	10.56	0.049	0.899
250	50	10.66	0.048	0.887

Watts

Voltage \ Sample	1	2	3	4	5
210	10.35	10.38	10.38	10.42	10.39
220	10.41	10.44	10.46	10.46	10.45
230	10.49	10.53	10.51	10.50	10.48
240	10.58	10.62	10.55	10.59	10.56
250	10.66	10.67	10.63	10.68	10.66

VA

Voltage \ Sample	1	2	3	4	5
210	11.1	11.1	11.2	11.2	11.2
220	11.3	11.3	11.4	11.4	11.4
230	11.6	11.6	11.6	11.6	11.5
240	11.8	11.8	11.8	11.8	11.7
250	12.0	12.0	12.0	12.1	12.0

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

