

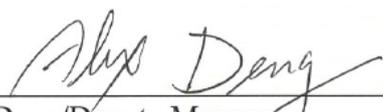
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REPORT NO.: EM-SC140004 (C1M1402206)

DATE: 2014. 02. 26.

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 : TERRALED MINI 18
 A) MODEL NO. : SL-19N1T5P3G1
 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 : 2014. 02. 25.
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
 2014. 02. 26.

Sample 1 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.664	0.09017	0.9837
220	50	18.652	0.08626	0.9816
230	50	18.649	0.08277	0.9779
240	50	18.644	0.07958	0.9743
250	50	18.641	0.07668	0.9706

Sample 2 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.831	0.09097	0.9838
220	50	18.818	0.08705	0.9809
230	50	18.814	0.08352	0.9777
240	50	18.812	0.08029	0.9743
250	50	18.809	0.07736	0.9707

Sample 3 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.726	0.09046	0.9839
220	50	18.717	0.08656	0.9811
230	50	18.713	0.08306	0.9779
240	50	18.71	0.07984	0.9745
250	50	18.709	0.07693	0.9709

Sample 4 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.674	0.09022	0.9837
220	50	18.663	0.08633	0.9809
230	50	18.657	0.08280	0.9778
240	50	18.655	0.07963	0.9743
250	50	18.655	0.07674	0.9706

Sample 5 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	18.714	0.09036	0.9843
220	50	18.705	0.08646	0.9816
230	50	18.7	0.08295	0.9784
240	50	18.695	0.07973	0.9751
250	50	18.695	0.07684	0.9714

Watts

Voltage \ Sample	1	2	3	4	5
210	18.664	18.831	18.726	18.674	18.714
220	18.652	18.818	18.717	18.663	18.705
230	18.649	18.814	18.713	18.657	18.7
240	18.644	18.812	18.71	18.655	18.695
250	18.641	18.809	18.709	18.655	18.695

VA

Voltage \ Sample	1	2	3	4	5
210	18.935700	19.103700	18.996600	18.946200	18.975600
220	18.977200	19.151000	19.043200	18.992600	19.021200
230	19.037100	19.209600	19.103800	19.044000	19.078500
240	19.099200	19.269600	19.161600	19.111200	19.135200
250	19.170000	19.340000	19.232500	19.185000	19.210000

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	13.347	0.06533	0.9709
220	50	13.359	0.06270	0.9666
230	50	13.368	0.06035	0.9614
240	50	13.378	0.05822	0.9555
250	50	13.386	0.05630	0.9493

Sample 2 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.473	0.06592	0.9713
220	50	13.486	0.06330	0.9667
230	50	13.494	0.06090	0.9616
240	50	13.504	0.05875	0.9558
250	50	13.515	0.05681	0.9497

Sample 3 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.473	0.06592	0.9713
220	50	13.486	0.06330	0.9667
230	50	13.494	0.06090	0.9616
240	50	13.504	0.05875	0.9558
250	50	13.515	0.05681	0.9497

Sample 4 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.369	0.06541	0.9713
220	50	13.384	0.06282	0.9665
230	50	13.392	0.06045	0.9615
240	50	13.4	0.05831	0.9557
250	50	13.41	0.05639	0.9494

Sample 5 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.388	0.06547	0.9719
220	50	13.402	0.06284	0.9673
230	50	13.411	0.06046	0.9626
240	50	13.42	0.05832	0.9569
250	50	13.435	0.05640	0.951

Watts

Voltage \ Sample	1	2	3	4	5
210	13.347	13.473	13.473	13.369	13.388
220	13.359	13.486	13.486	13.384	13.402
230	13.368	13.494	13.494	13.392	13.411
240	13.378	13.504	13.504	13.4	13.42
250	13.386	13.515	13.515	13.41	13.435

VA

Voltage \ Sample	1	2	3	4	5
210	13.719300	13.843200	13.843200	13.736100	13.748700
220	13.794000	13.926000	13.926000	13.820400	13.824800
230	13.880500	14.007000	14.007000	13.903500	13.905800
240	13.972800	14.100000	14.100000	13.994400	13.996800
250	14.075000	14.202500	14.202500	14.097500	14.100000

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	10.03	0.04994	0.9544
220	50	10.052	0.04819	0.9465
230	50	10.065	0.04650	0.9393
240	50	10.085	0.04502	0.9315
250	50	10.102	0.04370	0.9228

Sample 2 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	10.134	0.05043	0.9549
220	50	10.147	0.04860	0.9474
230	50	10.162	0.04690	0.9403
240	50	10.181	0.04541	0.9322
250	50	10.198	0.04408	0.9237

Sample 3 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	10.105	0.05025	0.9555
220	50	10.126	0.04847	0.9478
230	50	10.144	0.04679	0.9409
240	50	10.154	0.04525	0.9332
250	50	10.176	0.04394	0.9245

Sample 4 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	10.057	0.05007	0.9545
220	50	10.077	0.04831	0.9464
230	50	10.094	0.04661	0.9398
240	50	10.112	0.04513	0.9317
250	50	10.131	0.04381	0.9232

Sample 5 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	10.061	0.05003	0.9557
220	50	10.079	0.04825	0.9478
230	50	10.099	0.04656	0.9414
240	50	10.12	0.04507	0.9336
250	50	10.138	0.04374	0.9252

Watts

Voltage \ Sample	1	2	3	4	5
210	10.03	10.134	10.105	10.057	10.061
220	10.052	10.147	10.126	10.077	10.079
230	10.065	10.162	10.144	10.094	10.099
240	10.085	10.181	10.154	10.112	10.12
250	10.102	10.198	10.176	10.131	10.138

VA

Voltage \ Sample	1	2	3	4	5
210	10.487400	10.590300	10.552500	10.514700	10.506300
220	10.601800	10.692000	10.663400	10.628200	10.615000
230	10.695000	10.787000	10.761700	10.720300	10.708800
240	10.804800	10.898400	10.860000	10.831200	10.816800
250	10.925000	11.020000	10.985000	10.952500	10.935000

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

