

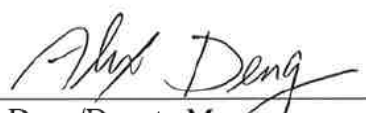
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REPORT NO.: EM-SC140005 (C1M1402208)

DATE: 2014. 02. 27.

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 30
A) MODEL NO. : SL-30N1T5P3G1
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. 26.
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. 27.

Sample 1 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	30.023	0.14800	0.9645
220	50	30.022	0.14201	0.9593
230	50	30.037	0.13673	0.9535
240	50	30.051	0.13198	0.9471
250	50	30.113	0.12786	0.9404

Sample 2 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	30.059	0.14814	0.9647
220	50	30.06	0.14215	0.9595
230	50	30.074	0.13685	0.9538
240	50	30.089	0.13211	0.9474
250	50	30.116	0.12782	0.9407

Sample 3 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	30.334	0.14952	0.9646
220	50	30.337	0.14349	0.9593
230	50	30.35	0.13812	0.9537
240	50	30.368	0.13340	0.947
250	50	30.393	0.12898	0.9408

Sample 4 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	30.234	0.14902	0.9646
220	50	30.235	0.14299	0.9594
230	50	30.252	0.13772	0.9534
240	50	30.269	0.13288	0.9476
250	50	30.296	0.12873	0.9396

Sample 5 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	30.046	0.14792	0.9657
220	50	30.047	0.14193	0.9606
230	50	30.06	0.13659	0.9551
240	50	30.074	0.13180	0.9491
250	50	30.098	0.12753	0.9423

Watts

Voltage \ Sample	1	2	3	4	5
210	30.023	30.059	30.334	30.234	30.046
220	30.022	30.06	30.337	30.235	30.047
230	30.037	30.074	30.35	30.252	30.06
240	30.051	30.089	30.368	30.269	30.074
250	30.113	30.116	30.393	30.296	30.098

VA

Voltage \ Sample	1	2	3	4	5
210	31.080000	31.109400	31.399200	31.294200	31.063200
220	31.242200	31.273000	31.567800	31.457800	31.224600
230	31.447900	31.475500	31.767600	31.675600	31.415700
240	31.675200	31.706400	32.016000	31.891200	31.632000
250	31.965000	31.955000	32.245000	32.182500	31.882500

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	20.659	0.10458	0.9392
220	50	20.674	0.10081	0.9305
230	50	20.707	0.0975	0.9217
240	50	20.746	0.09475	0.9107
250	50	20.791	0.09213	0.9009

Sample 2 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	20.827	0.10532	0.9402
220	50	20.854	0.10157	0.9315
230	50	20.887	0.098	0.9228
240	50	20.924	0.09543	0.912
250	50	20.966	0.09286	0.9014

Sample 3 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	21.116	0.10676	0.9403
220	50	21.147	0.10299	0.9316
230	50	21.176	0.09959	0.9228
240	50	21.355	0.09731	0.9128
250	50	21.372	0.09464	0.9016

Sample 4 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	21.085	0.10663	0.9401
220	50	21.114	0.10286	0.9313
230	50	21.146	0.09947	0.9226
240	50	21.183	0.09668	0.9114
250	50	21.226	0.09392	0.9023

Sample 5 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	20.953	0.10569	0.9425
220	50	20.981	0.10192	0.934
230	50	21.012	0.0985	0.9258
240	50	21.051	0.09568	0.9152
250	50	21.091	0.09292	0.9062

Watts

Voltage \ Sample	1	2	3	4	5
210	20.659	20.827	21.116	21.085	20.953
220	20.674	20.854	21.147	21.114	20.981
230	20.707	20.887	21.176	21.146	21.012
240	20.746	20.924	21.355	21.183	21.051
250	20.791	20.966	21.372	21.226	21.091

VA

Voltage \ Sample	1	2	3	4	5
210	21.961800	22.117200	22.419600	22.392300	22.194900
220	22.178200	22.345400	22.657800	22.629200	22.422400
230	22.425000	22.592900	22.905700	22.878100	22.655000
240	22.740000	22.903200	23.354400	23.203200	22.963200
250	23.032500	23.215000	23.660000	23.480000	23.230000

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	15.247	0.07998	0.9063
220	50	15.281	0.07757	0.8937
230	50	15.325	0.07553	0.8805
240	50	15.372	0.07389	0.8653
250	50	15.429	0.07224	0.8527

Sample 2 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	15.25	0.07997	0.9605
220	50	15.282	0.07758	0.8937
230	50	15.323	0.07549	0.881
240	50	15.372	0.07383	0.866
250	50	15.425	0.07220	0.8528

Sample 3 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	15.232	0.08005	0.9046
220	50	15.169	0.07769	0.8917
230	50	15.312	0.07564	0.8785
240	50	15.36	0.07405	0.8628
250	50	15.416	0.07237	0.8504

Sample 4 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	15.326	0.08052	0.9048
220	50	15.358	0.07807	0.8925
230	50	15.400	0.07609	0.8783
240	50	15.444	0.07435	0.864
250	50	15.198	0.07274	0.8505

Sample 5 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	15.244	0.07969	0.9093
220	50	15.281	0.07725	0.8974
230	50	15.322	0.07516	0.8847
240	50	15.37	0.07352	0.8695
250	50	15.426	0.07180	0.8577

Watts

Voltage \ Sample	1	2	3	4	5
210	15.247	15.25	15.232	15.326	15.244
220	15.281	15.282	15.169	15.358	15.281
230	15.325	15.323	15.312	15.400	15.322
240	15.372	15.372	15.36	15.444	15.37
250	15.429	15.425	15.416	15.198	15.426

VA

Voltage \ Sample	1	2	3	4	5
210	16.795590	16.793700	16.810500	16.909200	16.734900
220	17.065400	17.067600	17.091800	17.175400	16.995000
230	17.371900	17.362700	17.397200	17.500700	17.286800
240	17.733600	17.719200	17.772000	17.844000	17.644800
250	18.060000	18.050000	18.092500	18.185000	17.950000

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

