

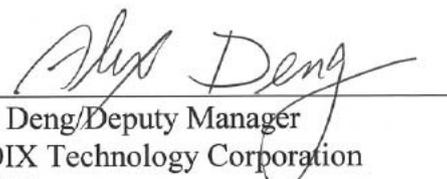
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REPORT NO.: EM-SC140003 (C1M1402205)

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 12
 A) MODEL NO. : SL-13N1T5P3G1
 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	13.156	0.06441	0.9706
220	50	13.162	0.06183	0.9658
230	50	13.167	0.05951	0.9603
240	50	13.177	0.05742	0.9542
250	50	13.187	0.05555	0.9479

Sample 2 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.159	0.06437	0.9715
220	50	13.164	0.06178	0.9667
230	50	13.173	0.05945	0.9616
240	50	13.18	0.05736	0.9554
250	50	13.189	0.05546	0.9495

Sample 3 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.202	0.06467	0.9702
220	50	13.208	0.06208	0.9653
230	50	13.217	0.05975	0.9601
240	50	13.222	0.05763	0.9539
250	50	13.235	0.05576	0.9477

Sample 4 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.235	0.05477	0.971
220	50	13.238	0.06215	0.9663
230	50	13.245	0.05981	0.9612
240	50	13.251	0.05768	0.9553
250	50	13.265	0.05580	0.9491

Sample 5 100% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	13.132	0.06429	0.9707
220	50	13.139	0.06172	0.9685
230	50	13.145	0.05941	0.9603
240	50	13.155	0.05732	0.9542
250	50	13.165	0.05545	0.9479

Watts

Voltage \ Sample	1	2	3	4	5
210	13.156	13.159	13.202	13.235	13.132
220	13.162	13.164	13.208	13.238	13.139
230	13.167	13.173	13.217	13.245	13.145
240	13.177	13.18	13.222	13.251	13.155
250	13.187	13.189	13.235	13.265	13.165

VA

Voltage \ Sample	1	2	3	4	5
210	13.526100	13.517700	13.580700	11.501700	13.500900
220	13.602600	13.591600	13.657600	13.673000	13.578400
230	13.687300	13.673500	13.742500	13.756300	13.664300
240	13.780800	13.766400	13.831200	13.843200	13.756800
250	13.887500	13.865000	13.940000	13.950000	13.862500

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	9.736	0.04859	0.9523
220	50	9.7598	0.04686	0.9448
230	50	9.7757	0.04529	0.9367
240	50	9.7938	0.04387	0.9283
250	50	9.8154	0.04264	0.919

Sample 2 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	9.7342	0.04851	0.9535
220	50	9.7568	0.04678	0.9462
230	50	9.7727	0.04520	0.9383
240	50	9.7905	0.04377	0.9301
250	50	9.8055	0.04249	0.9192

Sample 3 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	9.7932	0.04887	0.9522
220	50	9.8186	0.04714	0.945
230	50	9.8364	0.04556	0.937
240	50	9.8506	0.04411	0.9285
250	50	9.8682	0.04285	0.9194

Sample 4 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	9.7967	0.04883	0.9535
220	50	9.8202	0.04709	0.9461
230	50	9.8376	0.04550	0.9384
240	50	9.8504	0.04406	0.9297
250	50	9.8646	0.04276	0.921

Sample 5 Dimmed to 70% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	9.7065	0.04844	0.9522
220	50	9.7228	0.04671	0.9444
230	50	9.7396	0.04513	0.9365
240	50	9.7547	0.04372	0.9278
250	50	9.7746	0.04248	0.9187

Watts

Voltage \ Sample	1	2	3	4	5
210	9.736	9.7342	9.7932	9.7967	9.7065
220	9.7598	9.7568	9.8186	9.8202	9.7228
230	9.7757	9.7727	9.8364	9.8376	9.7396
240	9.7938	9.7905	9.8506	9.8504	9.7547
250	9.8154	9.8055	9.8682	9.8646	9.7746

VA

Voltage \ Sample	1	2	3	4	5
210	10.203900	10.187100	10.262700	10.254300	10.172400
220	10.309200	10.291600	10.370800	10.359800	10.276200
230	10.416700	10.396000	10.478800	10.465000	10.379900
240	10.528800	10.504800	10.586400	10.574400	10.492800
250	10.660000	10.622500	10.712500	10.690000	10.620000

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	7.6107	0.03888	0.9301
220	50	7.6389	0.03766	0.9203
230	50	7.6608	0.03654	0.9097
240	50	7.6819	0.03557	0.8981
250	50	7.706	0.03475	0.8852

Sample 2 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	7.6107	0.03888	0.9301
220	50	7.6389	0.03766	0.9203
230	50	7.6608	0.03654	0.9097
240	50	7.6819	0.03557	0.8981
250	50	7.706	0.03475	0.8852

Sample 3 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	7.6477	0.03906	0.9304
220	50	7.6762	0.03783	0.9205
230	50	7.6989	0.03671	0.9102
240	50	7.7199	0.03572	0.8986
250	50	7.7456	0.03489	0.8862

Sample 4 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	7.663	0.03908	0.9317
220	50	7.6898	0.03783	0.9223
230	50	7.7096	0.03669	0.912
240	50	7.7299	0.03569	0.9006
250	50	7.7548	0.03484	0.8885

Sample 5 Dimmed to 50% light output

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	7.5761	0.03872	0.9297
220	50	7.6058	0.03751	0.9198
230	50	7.6275	0.03640	0.9093
240	50	7.6488	0.03544	0.8974
250	50	7.6739	0.03462	0.885

Watts

Voltage \ Sample	1	2	3	4	5
210	7.6107	7.6107	7.6477	7.663	7.5761
220	7.6389	7.6389	7.6762	7.6898	7.6058
230	7.6608	7.6608	7.6989	7.7096	7.6275
240	7.6819	7.6819	7.7199	7.7299	7.6488
250	7.706	7.706	7.7456	7.7548	7.6739

VA

Voltage \ Sample	1	2	3	4	5
210	8.164800	8.164800	8.202600	8.206800	8.131200
220	8.285200	8.285200	8.322600	8.322600	8.252200
230	8.404200	8.404200	8.443300	8.438700	8.372000
240	8.536800	8.536800	8.572800	8.565600	8.505600
250	8.687500	8.687500	8.722500	8.710000	8.655000

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

