



# MEASUREMENT AND TEST REPORT

For

Yeostar Technology Co.,Ltd

202, No.23 Wanghai Road, 2nd Software Park, Xiamen, China

**MODEL: NeoGate TG100**

|   |                                       |  |
|---|---------------------------------------|--|
| <b>This Report Concerns:</b><br><input checked="" type="checkbox"/> Original Report |                                       | <b>Equipment Type:</b><br>VoIP GSM Gateway |
| <b>Test Engineer:</b>   | Safety Engineer: Tone Cao             | <i>Tone. Cao</i>                           |
| <b>Reviewed By:</b>   | Safety Manager: Kevin Xu              | <i>Kevin. Xu</i>                           |
| <b>Report No.:</b>  | R2XM140113052-10                      |  |
| <b>Revised note:</b>  | N/A                                   |  |
| <b>Issue Date:</b>  | 2014-03-19                            |  |
| <b>Test Date:</b>   | 2014-03-17 to 2014-03-18              |  |
| <b>Regulation:</b>  | EC Commission Regulation No 1275/2008 |  |
| <b>Test Methods:</b>  | EN 50564:2011                         |  |

The Test Results relate only to the sample tested.

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**Prepared By:**

Bay Area Compliance Laboratories Corp. (Dongguan)  
No.69,Pulongcun, Puxinhu Industrial Zone, Tangxia  
Town Dongguan, Guangdong 523719, CHINA  
Tel: +86-0769-86858888

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## 1 - Applicant and factory Information

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A. 1 applicant  
Company Name  
Address:

Yeastar Technology Co.,Ltd  
202, No.23 Wanghai Road, 2nd Software Park, Xiamen, China

A. 2 factory  
Company Name  
Address:

Same as applicant.

## 2 - General Product Information

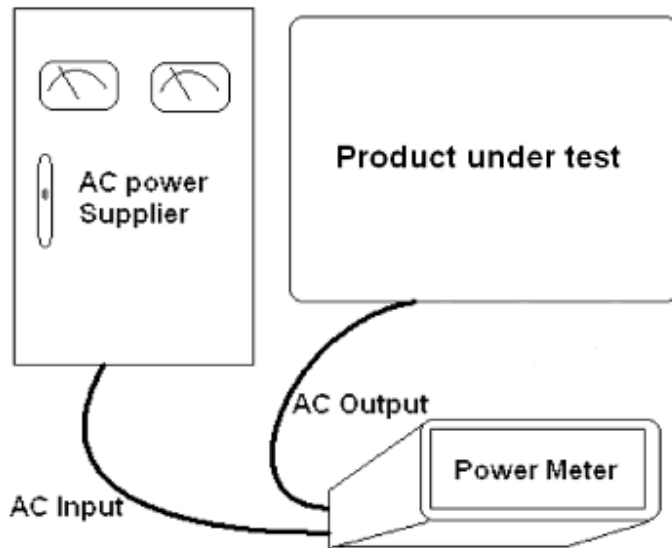
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| Product Characteristics  |                |                 |
|--------------------------|----------------|-----------------|
| Items                    | Contents:      |                 |
| EUT Input Rating         | Input voltage: | 100-240V~       |
|                          | Input current: | 350mA           |
|                          | Input Freq.:   | 50/60Hz         |
| Sample No.               | Sample 1       | NeoGate TG100 # |
|                          | Sample 2       | N/A             |
|                          | Sample 3       | N/A             |
| Brand name               | Yeastar        |                 |
| Model identification     | NeoGate TG100  |                 |
| Model difference         | N/A            |                 |
| Version or serial number | N/A            |                 |
| Additional information   | N/A            |                 |

| PSU Information and test voltage  |   |   |
|-----------------------------------|---|---|
| Power type                        |   | External power supply   |
| Power supply unit                 | Manufacture   | Dongguan Oriental Hero Electrical Factory   |
|                                   | Type  | OH-1015A1201000U1-VDE   |
|                                   | Input   | 100-240V~ 50/60Hz 350mA   |
|                                   | Output  | 12V ---1A   |
|                                   | Note  | AD/DC SWITCHING ADAPTER   |
|                                   | Efficiency Level  | V (refer to other report for details)   |
| Test Voltage                      | 230Vac, 50Hz  | Apply to sample(s) test.  |
|                                   | 115Vac, 60Hz  | Didn't apply to sample(s) test.   |
|                                   | 100Vac, 50Hz  | Didn't apply to sample(s) test.   |
|                                   | 100Vac, 60Hz  | Didn't apply to sample(s) test.   |
|                                   | 220Vac, 50Hz  | Didn't apply to sample(s) test.   |
| Supply Voltage                    | fluctuation   | $\leq 0.5\%$  |
|                                   | Harmonic<br>(up to and including 13 <sup>th</sup> harmonic) | $\leq 2\%$  |
|                                   | crest factor  | Selectable for 3 or 6 ( $\geq 3$ ) for difference range.  |
|                                   | accuracy (V)  | $\leq 1\%$  |
|                                   | wattmeter   | $\leq 0.5\%$  |
| Frequency response of Power Meter | resolution  | 0.00001W( $\leq 10W$ ),0.001W( $10W \leq W \leq 100W$ ),0.01W( $>100W$ )  |
|                                   |   | 100kHz  |
| Test room                         | Temperature( $^{\circ}C$ )                                  | 25.0  |
|                                   | Humidity(%)   | 50.0  |
|                                   | illuminance(lx)   | $>300lx$  |
|                                   | Air speed(m/s)  | 0.2   |
| Level of confidence at:           |   | 95%, K=2  |
| Uncertainty:                      |   | UC $\leq 2\%$ (Power $> 0.5 W$ ) or 0.01W ( $\leq 0.5W$ )   |
| Sequence of mode                  | Off   | No off mode provided.   |
|                                   | Standby   | The adapter is connected to the mains supply, but the output is not connected to the Gateway was stated by manufacture. |

### 3 - Test set up Configuration

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#### 4 - Test Equipment List and Details

| Manufacturer | Description                 | Model  | Serial Number | Last Cal. Date | Next Cal. Date |
|--------------|-----------------------------|--------|---------------|----------------|----------------|
| YOKOGAWA     | Power Meter                 | WT210  | 91GC3440<br>4 | 2014-1-21      | 2015-1-21      |
| VICTOR       | Temperature Humidity Tester | VC230  | N/A           | 2013-4-1       | 2016-3-31      |
| PROVA        | Air speed meter             | AVM-01 | 11020109      | 2014-2-25      | 2017-02-24     |

Note: The test equipment list above is calibrated annually.

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibration has been performed using suitable standards traceable to the National Primary Standards and International System of Units (SI).

## 5 - SUMMARY OF TEST RESULT

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| Sample No | Vac, Hz      | Test result<br>(standby mode) | Limit<br>(effective date: 7 <sup>th</sup> January,<br>2013) |
|-----------|--------------|-------------------------------|---|
| Sample 1  | 230Vac, 50Hz | 0.125W                        | 0.5W  |

Note: Note: Per regulation, Power consumption of equipment in any off-mode and standby mode condition shall not exceed 0.5W effective date 7<sup>th</sup> January, 2013

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6 - APPENDIX A – EUT photos

6.1 EUT Photo- Top view of NeoGate TG100



6.2 EUT Photo- Bottom view of NeoGate TG100



### 6.3 EUT Photo- top view of adapter



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**APPENDIX C- adapter ERP No 278**



东莞市恒永电磁技术有限公司  
EST Technology Co., Ltd.

Santun Management Zone (Guantai Road), Houjie Town,  
Dongguan City, Guangdong, China.  
Tel: (0769)83081888 Fax: (0769)83081878

**Test Data Sheet**

| Measured and Calculated Data at 230V 50Hz for OH-1015A1201000U1-VDE |         |                     |        |        |        |                        |
|---|---------|---------------------|--------|--------|--------|------------------------|
|   | No Load | Active Power Values |        |        |        |                        |
| Percent of Nameplate Current  | 0%      | 25%                 | 50%    | 75%    | 100%   | Average Efficiency (%) |
| Output Voltage (Vdc)  | 12.15   | 12.12               | 12.08  | 12.05  | 12.0   |                        |
| Output Current (mA)   |         | 250                 | 500    | 750    | 1000   |                        |
| Output Power (W)  |         | 3.03                | 6.04   | 9.37   | 12.0   |                        |
| Input Voltage (Vac)   | 230     | 230                 | 230    | 230    | 230    |                        |
| Input Frequency (Hz)  | 50      | 50                  | 50     | 50     | 50     |                        |
| Input Current (mA)  | 3.55    | 39.99               | 68.15  | 96.0   | 122.08 |                        |
| Input Power (W)   | 0.125   | 3.867               | 7.291  | 11.006 | 14.284 |                        |
| Total Harmonic Distortion (A%)                                      |         | 208.2               | 185.1  | 172.5  | 165.1  |                        |
| True Power Factor (WVA)   |         | 0.427               | 0.470  | 0.499  | 0.513  |                        |
| Efficiency (%)  |         | 78.355              | 82.841 | 82.109 | 84.010 | 81.828                 |

**Measured Diagram:**

