Test Report No 160328-115424-F

Measurement of Standby Power to IEC 62301 Ed. 2.0

Customer	
Name:	**goughlui.com Testing**
Address:	1 RoadTest Ave RoadTestVille RoadTestState 1234 RoadTestNation

Issuer	
Name:	**goughlui.com**
Address:	1 RoadTest Ave RoadTestVille RoadTestState 1234 RoadTestNation
Date of issue:	**2016-Mar-29**

Unit Under Test	
Manufacturer:	**Xiaomi**
Description:	MDY-08-EF
Model:	MDY-08-EF
Serial Number:	15092325293
Rated Voltage:	100-240V
Rated Frequency:	50/60Hz
Documentation ref:	
Configuration:	

Reference Instrument	
Manufacturer:	**Tektronix**
Description:	Power Analyzer
Model:	PA1000
Serial Number:	B010272
Firmware Version:	Ver.1.3.15
Test Software:	PWRVIEW ver. 3.1.0.14

Test Conditions	
Time of Test:	**2016-Mar-28 11:54:24 PM**
Test Voltage:	230V ±1%
Test Frequency:	50Hz ±1%
Voltage Distortion:	< 2% THC
Voltage Crest Factor:	1.34 < Vcf < 1.49
Temperature:	23°C ±3°C
Humidity:	< 75%

Test Summary	
Average Power:	**62.874 mW**
Power Limit:	1.0000 W
Power Stability:	-1.1288 mW/h
Uncertainty*:	8.1790 mW
Test Period:	00:15:00
Test Method:	Sampling (IEC 62301 Ed. 2.0)
Test Status:	**PASS**

Power measurements were carried out in accordance with the requirements of IEC 62301 Ed. 2 *"Measurement of standby power"* and EN 50564:2011 *"Electrical and electronic household and office equipment - Measurement of low power consumption"* in the laboratory environment, using equipment traceable to national or international standards. All testing was performed under computer control.

* Uncertainty quoted is an avearge of power measurement uncertainties from the last 2/3 of the test which are due only to the accuracy of the reference instrument used. If Uncertainty is marked as FAIL it means that at least one power measurement uncertainty in the last 2/3 of the test exceeded the limit prescribed in the standard.

Test Notes
<none>

Test Officer	
Full Name:	**Gough Lui**
Signature:	_____

Results

All values in this table refer to results from the last 2/3 of the test	*Average*	*Minimum*	*Maximum*	*Min.Limit*	*Max.Limit*	*Status*
Power	62.874 mW	62.573 mW	63.155 mW	N/A	1.0000 W	PASS
Voltage	230.68 V	230.48 V	230.86 V	227.70 V	232.30 V	PASS
Current	3.7983 mA	3.7870 mA	3.8064 mA	N/A	N/A	N/A
Frequency	50.056 Hz	50.054 Hz	50.057 Hz	49.500 Hz	50.500 Hz	PASS
Power Factor	71.760 m	71.503 m	72.001 m	N/A	N/A	N/A
Voltage Crest Factor	1.4394	1.4386	1.4406	1.3400	1.4900	PASS
Current Crest Factor	22.464	22.104	22.763	N/A	N/A	N/A
Voltage THC	558.63 m%	550.31 m%	568.01 m%	N/A	2.0000 %	PASS
*Uncertainty Ratio**	3.8811	3.8124	3.9337	1.0000	N/A	PASS
Result Interval	N/A	N/A	0.5420 s	N/A	1.0000 s	PASS

* Uncertainty Ratio is the ratio of 'Ulim/Ures', where 'Ures' is the uncertainty of each power measurement, due only to the accuracy of the reference instrument used.
'Ulim' is the absolute allowed uncertainty, calculated for each power measurement in accordance with IEC63201 Ed. 2.0 / EN 50564:2011 standards.
If Uncertainty Ratio is marked as FAIL it means that at least one power measurement uncertainty in the last 2/3 of the test exceeded the limit prescribed in the standard.

Power Graphs