



TEST REPORT EN 50564 Electrical and electronic household and office equipment- Measurement of low power consumption	
Report reference No.	PTC18012701801S-EP01
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Applicant's Name	Microtech Srl
Address	Via Aldo Moro 9 - 20090 Buccinasco (MI)
Test specification	
Standard	EN 50564: 2011, IEC/EN62087: 2012
Test procedure	COMMISSION REGULATION (EC) No 1275/2008 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirement for standby and off mode electric power consumption of electrical and electronic household and office equipment
Non-standard test method	N/A
Test item description	
Trademark	N/A
Manufacturer	Newsmay Technology Co.,limited
Address	2nd Floor, 6th building, Gaungxi Industry park, Longhua New District, Shenzhen
Model and/or type reference	AC1, AC2, e-cube
Rating(s)	110-240V~, 50/60Hz, 2A,25W
Test Result	Pass
Conclusion	The submitted samples comply with the above procedure Annex II – Stage I & II



*Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.



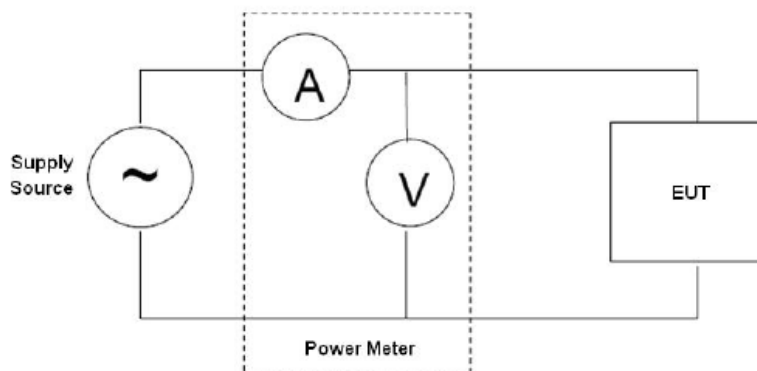
General conditions for measurements

Test condition parameter	
Ambient temperature.....:	23°C ± 5°C
Humidity.....:	53.6%RH
Test voltage.....:	230V ± 1%
Test frequency.....:	50Hz ± 1%
Total harmonic content of the test voltage at the EUT.....:	≤ 2%(up to and including the 13th harmonic)
Crest factor of test voltage.....:	1.34 – 1.49
Power measurement accuracy.....:	≤ 2 %(power≥0.5 W) ≤0.01 W(power<0.5 W)
Resolution of power meter.....:	0.01 W

Measured Data

Test voltage in V and frequency in Hz.....:	230V/50Hz
Total harmonic distortion (THD) of the electricity supply system.....:	0.95%
Description of how the appliance mode was selected or programmed.....:	Standby mode: connect the appliance to the mains supply, power recorded after approximately 15 min.
Sequence of events to reach the mode where the equipment automatically changes modes.....:	N/A
Other notes regarding the operation of the equipment.....:	N/A

Set-up and circuits used for electrical testing:





Remark:

1. When determining for test conclusion, measurement uncertainty of tests has been considered.
2. Measurements of power of 0.50 W or greater was made with an uncertainty of less than or equal to 2 % at the 95 % confidence level.
3. Measurements of power of less than 0.50 W was made with an uncertainty of less than or equal to 0.01 W at the 95 % confidence level.
4. Possible test case verdicts:
 - Test item does meet the requirement-----P (Pass)
 - Test item does not meet the requirement-----F (Fail)
 - Test case does not apply to the test object-----N (N/A)



COMMISSION REGULATION (EC) No 1275/2008			
ANNEX II Ecodesign requirements			
Clause	Requirement – Test	Result – Remark	Verdict
1	Stage I – one year after the Regulation has come into force		N
1(a)	Power Consumption in any off-mode condition: <= 1W		N
1(b)	Power Consumption in standby mode(s): (i) In any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function <= 1W; (ii) In any condition providing only information or status display, or providing only a combination of reactivation function and information or status display <= 2W		N
1(c)	Availability of off mode and/or standby mode Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Off/standby mode is inappropriate for the intended use of equipment	N
2	Stage II – four years after the Regulation has come into force		P
2(a)	Power Consumption in any off-mode condition: <= 0.5W		N
2(b)	Power Consumption in standby mode(s): (i) in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function <= 0.5W; (ii) In any condition providing only information or status display, or providing only a combination of reactivation function and information or status display <= 1W	Standby mode: <u>0.32W</u>	P



2(c)	Availability of off mode and/or standby mode Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Off/standby mode is inappropriate for the intended use of equipment	P
2(d)	Power Management: When equipment is not providing the main function, or when other energy-using product(s) are not dependent on its functions, equipment shall, unless inappropriate for the intended use, offer a power management function, or a similar function, that switches equipment after the shortest possible period of time appropriate for the intended use of the equipment, automatically into: — standby mode (≤ 0.5 or 1 W), or — off mode (≤ 0.5 W), or — another condition (≤ 0.5 or 1 W)	<input checked="" type="checkbox"/> Yes, <u>0.32</u> W Time taken to automatically reach standby mode: <u>20</u> min. <input type="checkbox"/> No <input type="checkbox"/> A power management function is inappropriate for the intended use	P

Test Equipment List

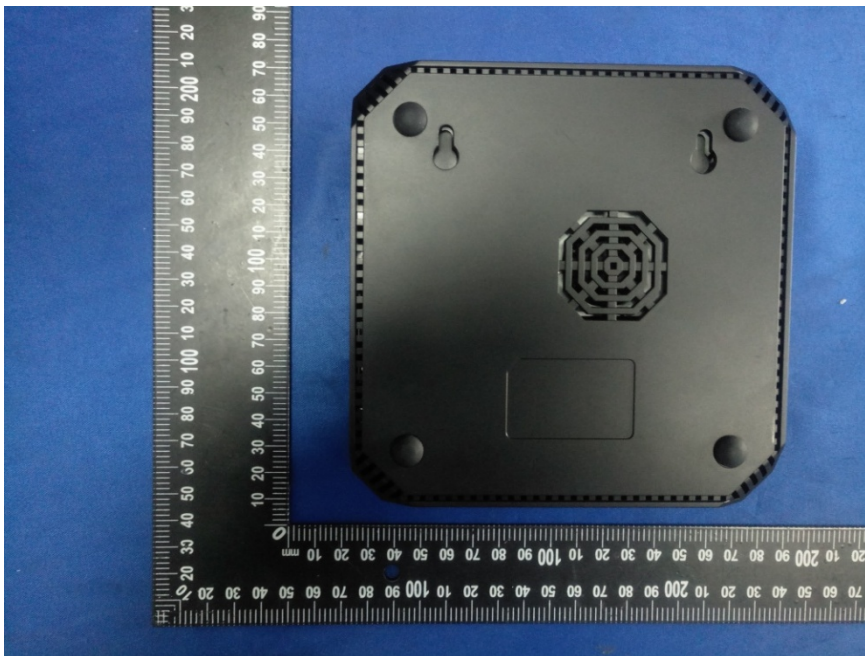
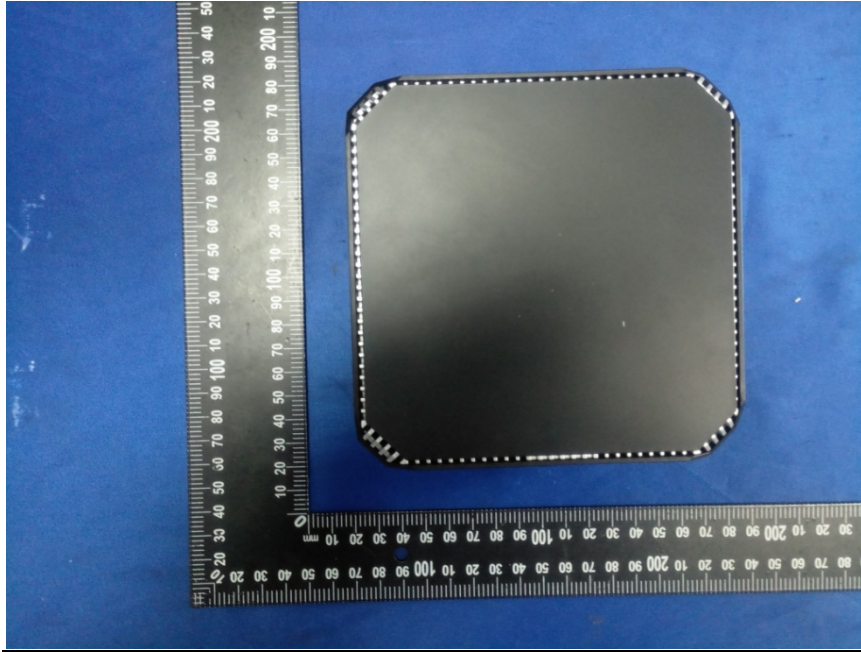
<u>Equipment</u>	<u>Model/Type</u>	<u>Cal. Date</u>	<u>Valid Date</u>	<u>Uncertainty(%)</u>
Digital Power Meter	WT210(YOKOGAWA)	Sep. 26, 2017	Sep. 25, 2018	Voltage: 0.10 % Current: 0.14 % Power: 0.16 %
Timer	TA228(KTJ)	Sep. 26, 2017	Sep. 25, 2018	0.01s
Hygrothermograph	TH1109101529 UB(ZOGLAB)	Sep. 26, 2017	Sep. 25, 2018	Temp: U=0.4 °C Humidity: 3 %RH

Ambient Temperature and Humidity

Temperature: 25.0°C	Humidity: 53.6%RH
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Product Photos



-----End of Report -----