

## T e s t R e p o r t

**Report No** : L15059

**Client:** : inTechnology plc  
Cardale House  
Cardale Court  
Beckwith Head Road  
Harrogate, HG3 1RY

**Description** : Intechology WIFI Box

**Manufacturer** : inTechnology plc

**Type/Model** : WBSn-2450-S-EU

**Test Specification** : Measurement of power consumption in accordance with the  
'Unmetered Supplies Operational Information Document' –  
Version 14.0 (17/12/2014)

**Date Testing Started** : 28/05/15

**Conclusion** : Refer to body of report

**Date of Issue** : 03/06/15

**Date of Expiry** : 02/06/20

**Tested by:** M.LLOYD  
**Position:** Laboratory Technician



**Approved:** J.ADAMS  
**Position:** Laboratory Supervisor



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## **INTRODUCTION**

inTechnology plc has supplied the product identified in table 1 for measurement of power consumption in accordance with the 'Unmetered Supplies Operational Information Document' – Version 14.0 (17/12/2014).

## **PRODUCT DETAILS**

**Table 1. Test Sample Details**

Product Description	Intechnology WIFI Box
Model No.	WBSn-2450-S-EU
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	Height: 440mm / Width: 375mm / Depth: 100mm
Product Supply Requirement	240V / 50Hz
Lamp Type and Power	Not Applicable
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

The customer has declared that the equipment load does not vary with ambient temperature.

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## **RESULTS**

**Table 2. Wattage and VA results for Intechology WIFI Box**

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	11.89	11.89	12.48	12.15	12.08
220	11.95	11.95	12.56	12.22	12.13
230	11.99	12.01	12.60	12.28	12.22
240	12.10	12.05	12.66	12.33	12.26
250	12.15	12.15	12.80	12.41	12.35
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	23.92	23.66	24.82	24.22	24.40
220	24.55	24.30	25.55	25.46	25.71
230	25.26	25.03	26.31	25.83	26.08
240	25.49	25.17	26.45	26.53	26.73
250	26.16	25.89	27.28	27.57	27.80
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.50	0.50	0.50	0.50	0.50
220	0.49	0.49	0.49	0.48	0.47
230	0.47	0.48	0.48	0.48	0.47
240	0.47	0.48	0.48	0.46	0.46
250	0.46	0.47	0.47	0.45	0.44
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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### **DEVIATION(S) FROM TEST STANDARD**

No reported deviations from test standard.

### **MEASUREMENT UNCERTAINTY**

The following expanded uncertainties apply to the measurements shown in the results;

True Power (W):  $\pm 0.69\%$ , Apparent Power (VA):  $\pm 0.61\%$

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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**ILLUSTRATION**



Figure 1. *Product image*

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