

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

**Report No** : L15668 Amd. 1

**Client:** : Samsung Electronics UK Ltd  
Samsung House  
1000 Hillswood Drive  
Chertsey,  
Surrey  
KT16 0PS

**Description** : Outdoor Small Cell

**Manufacturer** : Samsung Electronics UK Ltd

**Type/Model** : SLS-BP00CJ

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

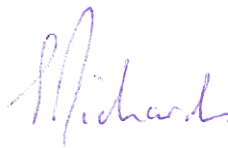
**Date Testing Started** : 23/03/2016

**Conclusion** : Refer to body of report

**Date of Issue** : 07/04/2016

**Date of Expiry** : 29/03/2021

**Tested by:** S. RICHARDS  
**Position:** Photometrics Engineer



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



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***Amendment 1: The amendment to this test report recognises a correction to the operating mode; the results shown in table 2 are for 0% mode, not 100% as previously stated. The report now also includes additional results for the 100% mode.***

## **INTRODUCTION**

Samsung Electronics UK Ltd 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	Outdoor Small Cell
Model No.	SLS-BP00CJ
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	420x235x80mm
Product Supply Requirement	220/230 50/60Hz
Lamp Type and Power	N/A 81W
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 Outdoor Small Cell, SLS-BP00CJ**

Operating Mode	0% (No load)				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	81.99	81.20	81.82	81.76	82.02
220	81.88	81.24	81.86	81.59	82.06
230	81.84	81.14	81.74	81.69	82.03
240	81.82	81.15	81.69	81.65	81.99
250	81.89	81.21	81.54	81.67	82.04
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	87.36	86.44	87.04	86.98	87.41
220	87.87	87.44	88.03	87.50	88.00
230	89.05	89.36	90.26	88.72	89.12
240	92.11	95.35	97.51	92.07	93.18
250	100.14	105.82	107.77	100.67	104.79
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.94	0.94	0.94	0.94	0.94
220	0.93	0.93	0.93	0.93	0.93
230	0.92	0.91	0.91	0.92	0.92
240	0.89	0.85	0.84	0.89	0.88
250	0.82	0.77	0.76	0.81	0.78
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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## **RESULTS**

**Table 3. Wattage and VA results for Outdoor Small Cell, SLS-BP00CJ**

Operating Mode	100% (High load)				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	106.68	109.12	108.06	107.59	109.71
220	106.40	108.82	108.08	107.36	109.86
230	107.01	108.46	108.38	108.06	109.49
240	106.80	109.35	108.22	107.93	109.27
250	106.80	109.30	108.00	107.87	109.10
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	111.48	113.54	112.80	112.43	114.25
220	112.33	114.07	114.04	113.35	115.17
230	114.72	114.64	116.28	115.27	115.71
240	119.02	117.22	122.58	118.44	117.16
250	128.84	123.49	133.53	128.18	122.66
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.96	0.96	0.96	0.96
220	0.95	0.95	0.95	0.95	0.95
230	0.93	0.95	0.93	0.94	0.95
240	0.90	0.93	0.88	0.91	0.93
250	0.83	0.89	0.81	0.84	0.89
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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