

T e s t R e p o r t

Report No : L15994A Amd 1

Client: : Clear Channel United Kingdom
Unit 1, 440 Springfield Road
Hayes
Middlesex
UB4 0JS

Description : See tables within report

Manufacturer : Not Disclosed

Type/Model : See Tables within report

Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 15.0 (15/06/2016)

Date Testing Started : 05/09/2016

Conclusion : Refer to body of report

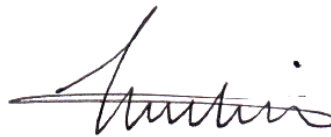
Date of Issue : 07/11/2016

Date of Expiry : 28/09/2021

Tested by: M.ALI
Position: Photometric Engineer



Approved: T.MALIK
Position: Operations & Quality
Manager



Note: This amendment 1 is to correct the wattage in table 1 to 130W and to confirm the results in table 2 are for the scroller & LED panel.

INTRODUCTION

The products identified in Table 1 were tested at the premises of Clear Channel United Kingdom for measurement of power consumption in accordance with the “Unmetered Supplies Operational Information” document – Version 15.0 (15/06/2016).

PRODUCT D DETAILS

Table 1. Test Sample Details

Product Description	200575 Noval Scroller (NL0903-Cassette SF SL200)
Model No.	200657
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	2900mm x 140mm x 200mm
Product Supply Requirement	240V AC 50Hz
Lamp Type and Power	LED 130W
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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PRODUCT D RESULTS

Table 2. Wattage and VA results for 200575 Noval Scroller (NL0903-Cassette SF SL200)

Operating Mode	100% (with LED panel)				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	119.04	128.18	126.40	131.02	125.48
220	127.25	127.80	125.80	127.88	126.10
230	129.61	123.39	128.00	118.95	120.10
240	131.38	120.88	127.29	122.61	123.04
250	128.11	116.51	124.25	132.45	115.27
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	190.11	193.41	196.47	198.29	192.22
220	198.99	196.76	196.47	195.68	200.12
230	210.89	204.11	206.34	198.39	203.85
240	218.09	208.61	206.68	203.43	209.57
250	212.38	203.39	211.87	215.40	201.85
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.63	0.66	0.64	0.66	0.65
220	0.64	0.65	0.64	0.65	0.63
230	0.61	0.60	0.62	0.60	0.59
240	0.60	0.58	0.62	0.60	0.59
250	0.60	0.57	0.59	0.61	0.57
Ambient Temperature During Test (°C)			23.4		
PF Leading/Lagging			Leading		

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PRODUCT E DETAILS

Table 3. Test Sample Details

Product Description	Noval LED Scroller Light
Model No.	200657
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	2900mm x 140mm x 200mm
Product Supply Requirement	240V AC 50Hz
Lamp Type and Power	LED 100W
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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PRODUCT E RESULTS

Table 4. Wattage and VA results for Noval LED Scroller Light

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	95.56	91.57	91.21	93.00	95.14
220	95.65	91.89	91.10	93.23	95.29
230	95.74	93.00	91.09	93.44	93.22
240	93.49	92.23	91.08	93.80	93.40
250	93.65	92.34	91.05	94.00	93.60
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	173.03	171.98	171.62	176.21	174.20
220	176.29	174.83	174.39	178.95	177.48
230	179.59	177.71	177.24	181.69	180.78
240	182.34	183.40	183.12	187.36	183.28
250	184.97	186.00	185.69	189.62	185.82
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.55	0.53	0.53	0.53	0.55
220	0.54	0.53	0.52	0.52	0.54
230	0.53	0.52	0.51	0.51	0.52
240	0.51	0.50	0.50	0.50	0.51
250	0.51	0.50	0.49	0.50	0.50
Ambient Temperature During Test (°C)			23.2		
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 Noval LED Scroller Light*

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