



Global Product Certification  
EMC-EMF Safety Approvals

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## Test Report to AS/NZS 60950.1:2015

**Report No. T160402\_S**

**Manufacturer:** ITS Manufacturing, Roads and  
Maritime Services

**Test Sample Name:** CBD Evacuation System

**Model:** CBD 2007

**Serial No.:** N/A

**Date of Issue:** 12<sup>th</sup> April, 2016

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**EMC Technologies Report No.: T160402\_S**

**Test Sample Name:** CBD Evacuation System  
**Model:** CBD 2007  
**Serial Number:** N/A  
**Part Number:** N/A

**Manufacturer:** ITS Manufacturing, Roads and Maritime Services

**Tested For:** ITS Manufacturing, Roads and Maritime Services  
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**Responsible Party:** ITS Manufacturing, Roads and Maritime Services  
**Contact:** Steven Wang

**Test Standard/s:** **AS/NZS 60950.1:2015**  
*Information technology equipment – Safety*  
*Part 1: General requirements*

**Result of Test:** Power consumption of test samples were measured according to clause 1.6.2 of AS/NZS 60950.1:2015.  
Refer to Report no. T160402\_S for full details.

**Test Date/s:** 8<sup>th</sup> April, 2016

**Testing Officer:**



**James Chu**

**Authorised Signature:**



**James Chu**  
**Safety Manager**  
**EMC Technologies Pty Ltd**

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## **PRODUCT DESCRIPTION SUMMARY**

The equipment under test is an evacuation system. It consists of a display sign (Variable Message Sign Mono Single Line 15Ch, VMS Code: VMS-M-1-15) and a loudspeaker system (Wireless Announcement Unit, Unit Code: COMRW01 supplied by Open Access Pty Ltd). Both parts were tested individually in this report.

## **TEST EQUIPMENT:**

The following test equipment were used during the tests. All instruments within their specified calibration periods and traceable to Australian national standards of measurement.

<b>Equipment</b>	<b>Make/Model</b>	<b>Measurements</b>	<b>Calibration due date</b>
Power analyser	Clarke-hess 2330	Input voltage, current, frequency, power factor and power	30 <sup>th</sup> November, 2016
Mains break out box	EMCT B016	None (for connections only)	--
Variac	ISKRA V03	None (for voltage adjustment only)	--
Isolating transformer	EMCT T28	None (for isolation only)	

## **MEASUREMENT UNCERTAINTIES:**

Measurement uncertainties at a 95% confidence level are:

AC voltage:  $\pm 0.7\%$

AC power:  $\pm 1.2\%$

**TEST RESULTS OF CLAUSE 1.6.2 OF AS/NZS 60950.1:2015****1. Variable Message Sign Mono Single Line 15Ch, VMS Code: VMS-M-1-15:**

Test Mode	Power (W)	Voltage (V)	Current (A)	Frequency (Hz)	Power Factor
1	32.5	239.9	0.199	50	0.678
2	79.2	240.0	0.383	50	0.862

Note:

Test mode 1: Screen is off Idle Mode  
 Test mode 2: A warning message is displayed repeatedly Active Mode

Test conditions: In active mode, brightness setting was manually set at the maximum. The sign was scrolling horizontally displaying a line showing, "Emergency Warning". A major incident has occurred in the city. Please move to the nearest Safety Site."

**2. Wireless Announcement Unit, Unit Code: COMRW01**

Test Mode	Power (W)	Voltage (V)	Current (A)	Frequency (Hz)	Power Factor
1	28.7	240.1	0.206	50	0.585
2	28.5	240.0	0.204	50	0.582
3	35.6	240.0	0.248	50	0.596
4	43.4	240.3	0.300	50	0.602
5	62.6	240.0	0.411	50	0.631

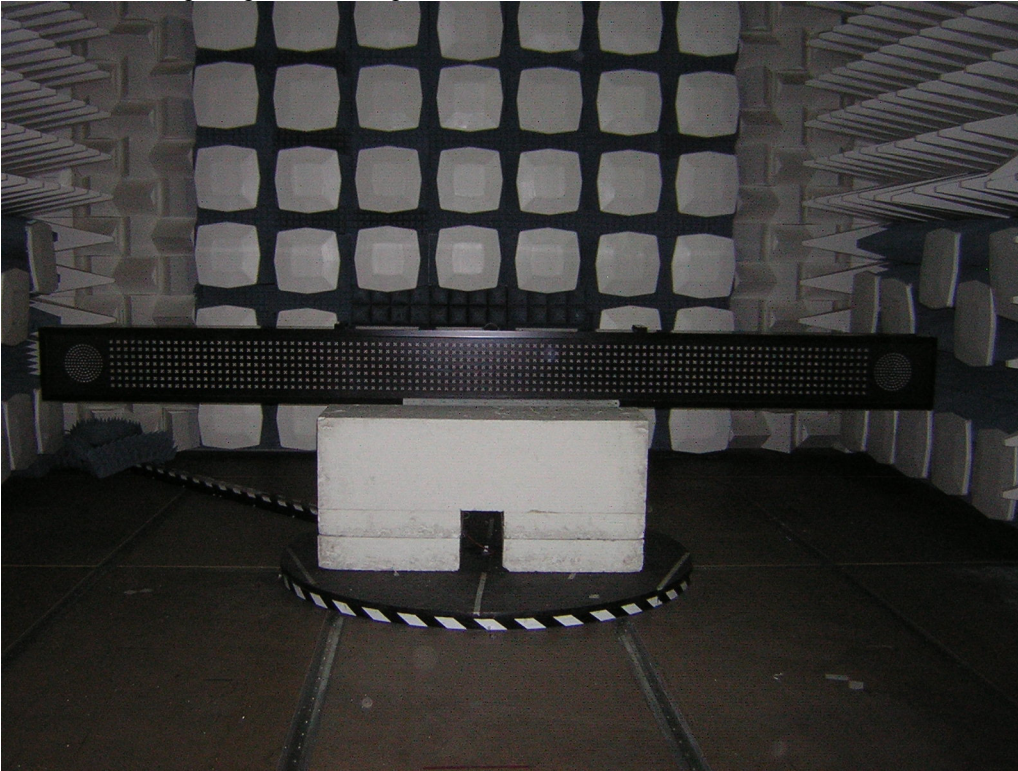
Note:

Test mode 1: No sound nor message is emitted Idle Mode  
 Test mode 2: A warning message is spoken out repeatedly Active Mode in volume 1000  
 Test mode 3: A warning message is spoken out repeatedly Active Mode in volume 5000  
 Test mode 4: A warning message is spoken out repeatedly Active Mode in volume 13106 (the max.)  
 Test mode 5: Siren sound, with Library key 70160, is emitted Active Mode in volume 13106 (the max.)

Test conditions: In Test mode 2, 3 & 4, a message with Library key 20010 selected, was spoken by the loudspeakers saying, "This is the CBD Emergency Warning System. A major incident has occurred in the city. Please move to the nearest Safety Site where more information will be provided as soon as possible."

## APPENDIX I: IDENTIFICATION PHOTOGRAPHS

Variable Message Sign Mono Single Line 15Ch, VMS Code: VMS-M-1-15 in Idle mode



Variable Message Sign Mono Single Line 15Ch, VMS Code: VMS-M-1-15 in Active mode



APPENDIX I: IDENTIFICATION PHOTOGRAPHS (continued)

Wireless Announcement Unit, Unit Code: COMRW01

