



Product Service

## **SECTION 1**

### **REPORT SUMMARY**

EMC Approval Testing of the  
Brigade Electronics plc  
BE-856EM Vehicle CCTV Monitor



Product Service

## 1.1 INTRODUCTION

The information contained in this report is intended to show verification of the EMC Type Approval Testing of the Brigade Electronics plc, BE-856EM Vehicle CCTV Monitor, to the requirements of to the requirements of ISO 13766, for electric/electronic components to be fitted in Earth Moving Machinery.

Objective	To perform EMC Approval Testing to determine the Equipment Under Test's (EUT's) compliance with the Test Specification for the series of tests carried out.
Manufacturer	Brigade Electronics plc.
Country of Origin	UK
Number of Samples Tested	One
Drawing Number	Refer to Technical Information
Issue	Refer to Technical Information
Date	Refer to Technical Information
Model/Part Number	BE-856EM
Operating Voltage	10.5V - 32V DC
Declared Variants	None
Test Specification/Issue/Date	ISO 13766, Second edition, 2006-05-15
Build Status	Not declared
Software Issue	N/A
Incoming Release	Declaration of Build State
BSD Number	75904379/39
Date	05 September 2008
Disposal	Held at TÜV PS
Packing Note Number	N/A
Date	N/A
Order Number	S0138
Date	25 July 2008
Start of Test	05 September 2008
Finish of Test	31 March 2009
Test Engineers	R Bennett, B Logan
Related Documents	CISPR 25: 2 <sup>nd</sup> Edition 2002 ISO 10605: 2001 ISO 11452-2: 2 <sup>nd</sup> Edition 2004 ISO 11452-4: 3 <sup>rd</sup> Edition 2005 ISO 7637-2: 2 <sup>nd</sup> Edition 2004



## 1.2 BRIEF SUMMARY OF RESULTS

A brief summary of the tests carried out to ISO 13766 is shown below.

Test	Spec Clause	Test Description	Result	Base Standard
2.1	Clause 5; 5.6	Radiated Broadband Electromagnetic Emissions, Electric/Electronic Subassemblies 30MHz to 1000MHz	Pass	CISPR 25
	Clause 5; 5.7	Radiated Narrowband Electromagnetic Emissions, Electric/Electronic Subassemblies 30MHz to 1000MHz		
2.2	Clause 5; 5.8.3	Electromagnetic Radiation (AM), Absorber Lined Chamber Test Method	Pass	ISO 11452-2
2.3	Clause 5; 5.8.3	Electromagnetic Radiation, Bulk Current Injection Test Method	Pass	ISO 11452-4
2.4	Clause 5; 5.9	<i>Electrostatic Discharge – Enclosure Port</i>	<i>Fail Note 1</i>	ISO 1065
2.5	Clause 5; 5.10	Immunity of Electric/Electronic Subassemblies to Transient Disturbances Conducted Along Supply Lines	Pass	ISO 7637-2

*Note 1: For Performance Criteria see section 1.3.5 of this report and section 2.4.7 for test result details.*