



Product Service

SECTION 1

REPORT SUMMARY

EMC Approval Testing of the
Brigade Electronics plc
BE-870FM TFT LCD Colour Vehicle CCTV Monitor



1.1 INTRODUCTION

The information contained in this report is intended to show verification of the EMC Approval Testing of the Brigade Electronics plc, BE-870FM TFT LCD Colour Vehicle CCTV Monitor, 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-870FM |
| 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 | 75904379/37 |
| Date | 11 August 2008 |
| Disposal | Held at TÜV PS |
| Packing Note Number | N/A |
| Date | N/A |
| Order Number | S0138 |
| Date | 25 July 2008 |
| Start of Test | 11 August 2008 |
| Finish of Test | 08 December 2008 |
| Test Engineers | R Bennett, D West |
| Related Documents | CISPR 25: 2 nd Edition 2002 ISO 10605: 2001 ISO 11452-2: 2 nd Edition 2004 ISO 11452-4: 3 rd Edition 2005 ISO 7637-2: 2 nd 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 | Electrostatic Discharge – Enclosure Port | Pass | ISO 1065 |
| 2.5 | Clause 5; 5.10 | Immunity of Electric/Electronic Subassemblies to Transient Disturbances Conducted Along Supply Lines | Pass | ISO 7637-2 |