



Product Service

SECTION 1

REPORT SUMMARY

EMC Approval Testing of the
Brigade Electronics plc
BE-810C Professional Colour Ultra-Low-Light Shutter
Camera with Audio



Product Service

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-810C Professional Colour Ultra-Low-Light Shutter Camera with Audio, and variants, 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
Model/Part Number	BE-810C
Operating Voltage	12V DC
Declared Variants	BE-811C/BE-210C
Test Specification/Issue/Date	ISO 13766, Second edition, 2006-05-15
Build Status	Version 1.0
Software Issue	N/A
Incoming Release BSD Number Date	Declaration of Build State 75905099/34 18 November 2008
Disposal Packing Note Number Date	Held at TÜV PS 75905099-34000 02 December 2008
Order Number Date	S0138 25 July 2008
Start of Test	18 November 2008
Finish of Test	02 December 2008
Test Engineers	R Bennett, R Johnston, B Logan
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