

Motorola

MOSCAD M UHF-H

FCC CFR47 Part 90 Report of Measurements

Revision 1.0

December 6, 2001

Approvals		
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Checked by	_____	_____
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Protocol Labs, Abbotsford B.C., Canada
 FCC Registration Number 96437
 Industry Canada Registration Number IC3384

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CE Mark EMC Directive Compliance Test Report FCC CFR47 PART 90 Report of Measurements

Testing Details

TESTED BY: Rob Stirling
 TEST CONDITIONS: Temperature and Humidity: 18 C, 35%
 TEST VOLTAGE: 24 Vdc

Test Facilities

Protocol Labs
 28945 McTavish Rd.
 Abbotsford B.C., Canada, V4X 2E7

FCC Registration Number 96437
 Industry Canada Registration Number IC3384

Test Equipment List:

Device	Model Number	Serial No.	Last Cal.	Next Cal
Antenna	EMCO 3141 Bilog Antenna	1127	09/13/01	09/13/02
Horn	EMCO 31405 Horn Antenna	2024	09/10/01	09/10/02
Amp	Hewlett Packard 8349A	2512A00824	09/13/01	09/13/02
LISN	Solar 8012-50-R-24-BNC	863092	02/20/01	02/20/02
Spectrum Analyzer	Hewlett Packard 8566B	2241A02102	12/16/00	12/16/1801
RF-Preselector	Hewlett Packard 85685A	3107A01222	12/16/00	12/16/01
Quasi-Peak Adapter	Hewlett Packard 85650A	2043A00240	12/16/00	12/16/01
Tower	Rhientech Labs	Custom		
Turntable	Protocol	Custom		

Equipment Under Test:

THE TEST SYSTEM:

EUT

Manufacturer Motorola
 Model Number MOSCAD M UHF H
 Serial Number Eng 001

Auxiliary Equipment Host Controller/PC

Manufacturer Compaq Presario
 Model Number 1255
 Serial Number 1V93CFK6226S

RADIATED SETUP:

The equipment was set up in a 3 meter open field test site. Spurious Emissions in both horizontal and vertical polarizations were measured while

Motorola Moscad M UHF H
 AZ489FT4840

rotating the EUT on a turn table to maximize the emissions signal strength and the results recorded on the attached tablkes and plots. Refer to Photographs in Appendix A

CABLING:

Cable	Connector	Load/Termination?
DC Power Input	2-wire	Yes
Ethernet Cable	To Host System	Yes

TEST FIRMWARE:

Tools Kit

TEST DATA:

Refer to Appendix B for Individual Graphs and Test Results at High and Low Transmitting Bands.

CONCLUSION:

The EUT complies with the requirements of FCC Part 90