



MET Laboratories, Inc. *Safety Certification - EMI - Telecom - Environmental Simulation - NEBS*
914 WEST PATAPSCO AVENUE • BALTIMORE, MARYLAND 21230-3432 • PHONE (410) 354-3300 • FAX (410) 354-3313

Ubiquiti Networks, Inc.
Amendment/Modification Report
EN 81509 M1A0 33033
December 6, 2011

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Modification/Amendment Description

This document is to be used in conjunction with the original EN 81509 M0A0 test report and all previously issued Modification/Amendment reports. This document contains only those items that were updated due to this change.

Modification #1

This document covers the addition of outdoor model RocketM3. Based upon a review of the information provided and the testing performed, MET has determined that the model RocketM3 is acceptable for the application.



Masoom Ramzi
Project Engineer,
Safety Laboratory

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity	
Enclosure	Any	Any	Outdoor UV Stabilized Plastic. All voltage levels are within 15VDC, hence, no risk of fire. The enclosure is an electrical enclosure.	-	-	
	Overall dimension: 17 by 8 by 3 cm Opening: Complete enclosure with no openings					
Power Supply Adapter	Ubiquiti Networks, Inc.	UBI-POE-24-1	Input: 100- 240VAC 50-60Hz 0.55A. Output: 24VDC 1A	UL 60950-1 UL 1310 E325809	UL, CE, FCC	
Supplementary information:						

4.5	TABLE: Thermal requirements						P
	Supply voltage (V)	19.2					—
	Ambient T _{min} (°C)	24.3					—
	Ambient T _{max} (°C)	75.0					—
Maximum measured temperature T of part/at::		T (°C)					Allowed T _{max} (°C)
Ambient		24.2	75				75
EUT: Enclosure – top		43.1	93.8				95
POE Input Connector		54.6	105.3				110
PWB near input connector		64.2	114.9				120
Supplementary information: All temperatures have been normalized / corrected in the second column by adding 50.7 °C to all readings. 75 –24.3= 50.7 ° C							
Temperature T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
Supplementary information:							

5.2	TABLE: Electric strength tests, impulse tests and voltage surge tests			P
Test voltage applied between:		Voltage shape (AC, DC, impulse, surge)	Test voltage (V)	Breakdown Yes / No
Functional:				
Basic/supplementary:				
SMA (Antenna) - TNV-1 (RX, TX on RJ45)		DC	1414	No
SMA (Antenna) – TNV-1 (RX, TX on RJ45)		DC	1414	No
Reinforced:				
Supplementary information:				

T	ANNEX T, GUIDANCE ON PROTECTION AGAINST INGRESS OF WATER (see 1.1.2) The product is tested according to standards: EN 60950-1: 2006, Am 1: 2010 EN 60950-22: 2006		P
		IP22	—

List of test equipment used:

Company Name	Ubiquity Network Inc.
Project #	33033
Model # of Unit	RocketM3
Project Engineer	Masoom Ramzi
Date	11/10/2011

Asset Number:	Equipment Type:	Manufacturer Name:	Model Number:	Calibration Date:	Calibration Due Date:
3T6480	Drip Test Apparatus	MET (in-house)	N/A	NCR	NCR
3U1020	Digital Multimeter	Tektronix	TX3	02/28/11	02/28/12
3U1023	Digital Multimeter	Fluke	87	01/29/11	01/29/12
3U1047	DC Power Supply	Xantrex	XDC 80-75	FVBU	FVBU
3U1050	Hipot Tester	Biddle	230425	03/25/11	03/25/12
3U1094	Ambient pressure / humidity / temperature monitor	Omega	OM-CP-PRHTEMP2000	03/08/11	03/08/12
3U1097	Data Logger	Agilent/HP	34970A	03/29/11	03/29/12
3U1100	20 Channel Multiplexer	Agilent/HP	34901A	05/19/11	05/19/12
3U1101	Stopwatch	Control Company	14-649-9	04/19/11	04/19/13

*NCR = No Calibration Required.

*FVBU = Functional Verification Before Use. Instrument is used with calibrated instruments.

FIGURES

Figure 1 RocketM3 external view



FIGURES (Continued)

Figure 2 RocketM3 internal view

