

Straubing, October 13, 2000

**Supplement D to
Test Report**

No. 50118-00241-2

for

AN-24-16PL85-NF H + S Planar Antenna 16.5 dBi

Applicant: Airdata WIMAN Systems Inc.

Purpose of testing: To show compliance with

FCC Code of Federal Regulations,
Part 15 Subpart C, Section §15.247

Note:

The test data of this report relate only to the individual item which has been tested.
This report shall not be reproduced except in full extent without the written approval of
the testing laboratory.

	Spurious Radiated Emissions		Passed
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**Field Strength of Emissions according to FCC Rules,
Part 15, Subpart C, Section 15.247**

Model:	WIMAN II + H+S Planar Antenna 16.5 dBi
Type:	FHSS RF Modem
Serial No.:	0001
Applicant:	Airdata WIMAN Systems Inc
Test Site:	Open Field Test Site (< 1GHz) Semi-anechoic chamber (>1GHz)
Distance:	3 Meter
Date of test:	April 2000

Frequency (MHz)	Detector	Antenna Polarization	Analyzer Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)
49.67	Quasi Peak	Horizontal	18.6	15.7	34.3
629.0	Quasi Peak	Horizontal	9.9	30.4	40.3
2406.6	Peak	Horizontal	13.0	31.0	44.0
4809.2	Peak	Vertical	19.2	28.2	47.4
7207.7	Peak	Vertical	18.5	31.0	49.5
9604.6	Peak	Horizontal	15.3	34.7	50.0

Sample calculation of field strength values:

$$\text{Field Strength (dB}\mu\text{V/m)} = \text{Analyzer Reading (dB}\mu\text{V)} + \text{Correction Factor (dB)}$$

Test instruments used: (see equipment list for details)

02, 13, 14, 16, 38, 40 ,42, 57, 64, 67

§15.209	Radiated emission test	-	
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**Field Strength of Emissions according to FCC Rules,
Part 15, Subpart C, Section 15.209
- Receive Mode -**

Model:	WIMAN II+ H+S Planar Antenna 16.5 dBi
Type:	FHSS RF Modem
Serial No.:	0001
Applicant:	Airdata WIMAN Inc.
Test Site:	Open Field Test Site (< 1GHz) Semi-anechoic chamber (>1GHz)
Distance:	3 Meter
Date of test:	April 2000

Frequency (MHz)	Detector	Antenna Polarization	Analyzer Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)
49.67	Quasi Peak	Horizontal	18.6	15.7	34.3
629.0	Quasi Peak	Horizontal	9.9	30.4	40.3

Sample calculation of field strength values:

$$\text{Field Strength (dB}\mu\text{V/m)} = \text{Analyzer Reading (dB}\mu\text{V)} + \text{Correction Factor (dB)}$$

Test instruments used: (see equipment list for details)

02, 13, 14, 16, 38, 40, 42, 57, 64, 67

Photograph of test setup

