

EXHIBIT 2

Engineering Reports (Test Reports)

Introduction

FCC ID: QVJSAP300



Assessment of Compliance

with

**Respect to FCC Rules & Regulations Part 15.247,
15.205, 15.207, 15.209: Direct Sequence Spread
Spectrum System**

Access Point 300 Model S-AP-300

FleetMind Solutions



April 2003

APREL Project No.: FMSB-Access Point-3944

51 Spectrum Way Nepean ON K2R 1E6
Tel: (613) 820-2730 Fax: (613) 820-4161
email: info@aprel.com

Engineering Report

Subject: Assessment of Compliance in accordance with the
FCC Rules & Regulations Part 15.247, 15.205, 15.207
15.209: Direct Sequence Spread Spectrum System

FCC ID: QVJSAP300

Equipment: Access Point 300

Model: S-AP-300

Client: FleetMind Solutions
455 Fenelon, Suite 110
Dorval, Quebec, H9S 5T8

Project #: FMSB-Access Point-3944

Prepared By: APREL Laboratories,
Regulatory Compliance Division
51 Spectrum Way
Nepean, Ontario
K2R 1E6

Approved by: _____ Date: _____
Jay Sarkar
Technical Director, Standards & Certification

Submitted by: _____ Date: _____
Jay Sarkar
Technical Director, Standards & Certification

Released by: _____ Date: _____
Dr. Jack J. Wojcik, P.Eng.

CERTIFICATE OF COMPLIANCE

<u>Applicant name and address</u>	<u>Date and Location of Testing</u>
FleetMind Solutions 455 Fenelon, Suite 110 Dorval, Quebec, H9S 5T8	Date: December 2002 Project No. : FMSB-ACCESS POINT-3944 Test Location: APREL Laboratories, Nepean, ON CANADA

FCC ID: QVJSAP300
APPLICANT: FleetMind Solutions

Equipment Type: Access Point 300, Wireless Modem
Model(s): S-AP-300
FCC Rule Parts: § 15.247; 15.205, 15.207, 15.209
Classification: Spread Spectrum Transceiver (DSS)
Method/System: Direct Sequence Spread Spectrum System (DSSSS)
Max. Peak Output RF Power: 107.2mW (20.3 dBm)
RF Band: 902-928 MHz conducted

This equipment has been shown to be capable of compliance with applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C-63-4.

I attest to the accuracy of the data. All measurements reported were carried out under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the compliance of these measurements and vouch for the qualifications of the persons taking them. This relates only to the sample tested.


 Jayanta (Jay) Sarkar
 Technical Director, Standards & Certification

FCC ID: QVJSAP300

Client: FleetMind Solutions

Product: Access Point 300, Model: S-AP-300

Table of Contents

Engineering Summary	5
Summary of Test Data	5
Introduction	6
Product Information	7
FCC Submission Information	8
Sections: Description of Tests	
a. Power Lines Conducted Emissions	11
b. Direct Sequence Bandwidth	34
c. Maximum Peak Power Output	50
d. Power Density	55
e. Antenna Requirements	63
f. Radiated Spurious Emissions & Restricted Bands	65
g. Processing Gain	78

Test Equipment List: See Appendix A

FCC ID: QVJSAP300
Applicant: FleetMind Solutions
Equipment: Access Point 300 Wireless Modem
Models: S-AP-300
Standard: FCC Rules and Regulations Parts 15.247, 15.205, 15.207, 15.209

ENGINEERING SUMMARY

This report contains the measurement results of the engineering evaluation performed on a **FleetMind Access Point 300, henceforth referred to as the Device Under Investigation (DUI)**. The measurements were carried out in accordance with the FCC Rules and Regulations Parts 15.247, 15.205, 15.207, 15.209. The product was evaluated when it was set at the maximum power.

The FleetMind Access Point 300 is a Direct Sequence Spread Spectrum System operating at 902-928 MHz band. The unit was tested at frequencies 906 MHz (L), 915 MHz (M), 924 MHz (H) and continuous mode.

The DUI was evaluated and the measurement results are presented in this report.

All measurements were performed as conducted.

The results presented in this report relate only to the sample tested.

Compliance Summary

Test Description	Section	Compliance Summary Pass/Fail
Power lines Conducted Emissions Ref Paragraph FCC Part 15.207	A	Pass
Direct Sequence Bandwidth Ref Paragraph FCC Part 15.247 (a) (2)	B	Pass
Maximum Peak Output Power Ref Paragraph FCC Part 15.247 (b)	C	Pass
Peak Power Spectral Density Ref Paragraph FCC Part 15.207	D	Pass
Antenna Requirements Ref Paragraph FCC Part 15.247(d)	E	Pass
Radiated Emissions Spurious Ref Paragraph FCC Part 15.247	F	Pass
Restricted Bands Ref Paragraph FCC Part 15.205	F	Pass
Processing Gain Ref Paragraph FCC Part 15.247 (c)	G	Pass

FCC ID: QVJSAP300

Client: FleetMind Solutions

Product: Access Point 300, Model: S-AP-300

INTRODUCTION

General

This report describes the results of the Compliance test under FCC Part 15.247, 15.205, 15.207, 15.209 conducted on a FleetMind Access Point Wireless Modem, Model S-AP-300.

Measurement Facility

The evaluation for compliance was performed for FleetMind. by APREL Laboratories at APREL's EMI facility located in Nepean, Ontario, Canada. The laboratory operates an (3m and 10m) Open Area Test Site (OATS). The measurement facility is calibrated in accordance with ANSI C63.4-1992.

A description of the measurement facility in accordance with the radiated and AC line conducted test site criteria per ANSI C63.4-1992 is on file with the Federal Communications Commission and is in compliance with the requirements of Section 2.948 of the Commissions rules and regulations. **APREL's registration number is: 90416**

APREL is accredited by Standard Council of Canada. APREL is also accredited by Industry Canada and recognised by the Federal Communications Commissions (FCC).

Standard

The evaluation and analysis were conducted in accordance with FCC Rules and Regulations Parts 15.247, 15.205, 15.207, 15.209.

Report: This report was written by Jay Sarkar, Technical Director, Standards and Certification. Tests were performed by Y. Chen.

Test Equipment

The test equipment used during the evaluation is listed in Appendix A with calibration due dates.

Environmental Conditions

- Temperature: 25 °C ± 2
- Relative Humidity: 30 - 50 %
- Air Pressure: 101 kPa ± 3

FCC ID: QVJSAP300

Client: FleetMind Solutions

Product: Access Point 300, Model: S-AP-300

Product Information

Equipment Description

The Device Under Investigation (DUI) is the FleetMind Access Point, Wireless Modem, Direct Sequence Spread Spectrum System.

Frequency Range: 902 MHz - 928 MHz

Channels: 4 full channels (7 half channels)

Channel Separation: 3 MHz

Spread Spectrum Method: Direct Sequence

Max RF Peak Power Output: 107.2 mW(20.3 dBm) conducted

Antenna Gain: 3dBd

Ports/Connector(s): N/A

Frequencies evaluated
906 MHz (Low)
915 MHz (Median)
924 MHz (High)

FCC ID: QVJSAP300

Client: FleetMind Solutions

Product: Access Point 300, Model: S-AP-300

FCC SUBMISSION INFORMATION

FCC ID: QVJSAP300

Equipment, (Type): **Access Point 300(Direct Sequence Spread Spectrum System) 902 MHz - 928 MHz RF Band**
As marketed

Model: S-AP-300

For: Certification

Complies to: FCC Rules Part 15.247, 15.205, 15.207, 15.209,
15.109, 15.107

Applicant: FleetMind Solutions
455 Fenelon, Suite 110
Dorval, Quebec, H9S 5T8

Evaluated by: **APREL Laboratories**
51 Spectrum Way
Nepean, Ontario
Canada K2R 1E6

FCC ID: QVJSAP300

Client: FleetMind Solutions

Product: Access Point 300, Model: S-AP-300

Test Description

And

Measurement Results

Access Point 300, S-AP-300

FLEETMIND