

**Information about the Applicant**

<b>Company Name</b>	Radioframe Networks, Inc.
<b>Address</b>	1120 112 <sup>th</sup> Ave. NE, Suite 600
<b>City, State, Zip</b>	Bellevue, WA 98004
<b>Requested By</b>	Steve Peters
<b>Job Number</b>	RAFN0029
<b>Model</b>	DH2
<b>FCC ID</b>	PURDH2
<b>Agent</b>	Dean Bush
<b>Approval Type</b>	Original Grant
<b>Equipment Type</b>	802.11b Transceiver
<b>Rule Part</b>	15.247

**Overview**

The application is for an 802.11B transceiver, model DH2, which is installed in a radio blade. Multiple radio blades may be installed in an RF Unit. The RF Unit may contain up to 3 of the 802.11B radio blades and 4 IDEN radio blades. This application is for a grant for the 802.11b radio only. The only antenna that may be used with this product is the LINX ANT-2.4-RCT-SS.

**Recommendation**

All items have been resolved and completed to my satisfaction; therefore I recommend this application for approval.



10/6/03

\_\_\_\_\_  
Dave Tolman, QA Manager\_\_\_\_\_  
Date

## Findings and Resolution

<b>Item</b>	RF Exposure exhibit. Please submit calculations to support the values in the exhibit for the 802.11(b) antenna. If multiple antennas are planned to be used with the product, similar calculations or references to all intended antennas must be included.
<b>Resolution</b>	The applicant has submitted the requested information.
<b>Item</b>	A cover letter is necessary to briefly explain the environment and typical use and configuration for the product.
<b>Resolution</b>	The applicant has submitted a cover letter.
<b>Item</b>	The test report is for 1 802.11(b) radio blade. It would appear that this radio can be co-located with other 802.11(b) radios and well as IDEN radios. Please provide test data showing compliance with a full configuration.
<b>Resolution</b>	Test data has been provided with a maximum configuration of 3 802.11b radios and 4 IDEN radios.
<b>Item</b>	Only 1 antenna was tested, but data was submitted in the antenna exhibits for multiple antennas. If multiple antennas are planned to be used with the product, supporting data for all antennas must be included.
<b>Resolution</b>	The only antenna that Radioframe wishes to certify is the LINX ANT-2.4-RCT-SS.
<b>Item</b>	The request for confidentiality requests to hold the Theory of Operation confidential but this was submitted as a combined exhibit with the Installation Guide. The Installation Guide may not be held confidential. Please submit separate documents for the Theory of Operation and the Installation Guide.
<b>Resolution</b>	The applicant has submitted a new request for confidentiality, which requests to hold the Schematics and the Frequency Block Diagram confidential.
<b>Item</b>	The schematics exhibit submitted are for the DH2 but not the radio. Please submit schematics for the radio only portion of the product.
<b>Resolution</b>	Radio schematics have been submitted by the radio manufacturer. The radio manufacturer requires keeping the schematics confidential.
<b>Item</b>	The exhibit marked EUT Info1.pdf for the Access Point, lists FCC compliance to part 90. The compliance statements should reflect that this is a part 15 device.
<b>Resolution</b>	The applicant has submitted a new Info 1.pdf exhibit.
<b>Item</b>	We do not have an FRN# for uploading exhibits to the FCC
<b>Resolution</b>	The applicant has submitted their FRN #.

## Opinion

Specification Requirements	Description
	RF Exposure

**Opinion:** The Equipment meets the intent specified by the requirements listed above.

**Discussion:** The Applicant has submitted test results in the form of an RF Exposure calculation exhibit.

**Reference:** RF Exposure.pdf

Specification Requirements	Description
15.247(a)2	Occupied Bandwidth

**Opinion:** The Equipment meets the intent specified by the requirements listed above.

**Discussion:** The Applicant has submitted test results in the form of a test report.

**Reference:** Test Report-RAFN0023.pdf

Specification Requirements	Description
15.247(b)1	Power Output

**Opinion:** The Equipment meets the intent specified by the requirements listed above.

**Discussion:** The Applicant has submitted test results in the form of a test report.

**Reference:** Test Report-RAFN0023.pdf

Specification Requirements	Description
15.247(c)	Band Edge Compliance

**Opinion:** The Equipment meets the intent specified by the requirements listed above.

**Discussion:** The Applicant has submitted test results in the form of a test report.

**Reference:** Test Report-RAFN0023.pdf

Specification Requirements	Description
15.247(c)	Spurious Emissions, Antenna Conducted

**Opinion:** The Equipment meets the intent specified by the requirements listed above.

**Discussion:** The Applicant has submitted test results in the form of a test report.

**Reference:** Test Report-RAFN0023.pdf

Specification Requirements	Description
15.209, 15.205, 15.35(b)	Spurious Emissions, Radiated Emissions

**Opinion:** The Equipment meets the intent specified by the requirements listed above.

**Discussion:** The Applicant has submitted test results in the form of a test report.

**Reference:** Test Report-RAFN0023.pdf

Specification Requirements	Description
15.247(d)	Power Spectral Density

**Opinion:** The Equipment meets the intent specified by the requirements listed above.

**Discussion:** The Applicant has submitted test results in the form of a test report.

**Reference:** Test Report-RAFN0023.pdf

Specification Requirements	Description
15.207	Conducted Emissions

**Opinion:** The Equipment meets the intent specified by the requirements listed above.

**Discussion:** The Applicant has submitted test results in the form of a test report.

**Reference:** Test Report-RAFN0023.pdf