Northwest
EMC

TCB Compliance Opinion

Revision 1/3/03

Information about the Applicant

Company Name	Radiopath, L.L.C.
Address	15209 NE 90th St.
City, State, Zip	Redmond, WA 98052
Requested By	Jon Marshall
Job Number	RADP0003
Model	2400TX
FCC ID	QA4RP2400TX
Agent	Radiopath, L.L.C.
Approval Type	Certification
Equipment Type	Spread Spectrum Transmitter
Rule Part	15.247

Overview

The EUT is a 2.477 GHz transmitter that is a data link transmitter used for data acquisition in the True Read automated utility metering system by Radiopath. The automatic meter reading system is a fully computerized radio device. It requires no human intervention after initial installation. The system enables remote, continuous and accurate reading of consumption of a utility from a utility meter. The 2400TX transmits the data acquired from a utility meter to a regional repeater or directly to the central base station for data collection. The transmitter is powered by an internal 3.6 Volt lithium battery.

Recommendation

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

Dean Ghizzone

March 13, 2003
Date

Findings and Resolution

Item	The theory of operation and test data states 2.477 GHz, the block diagram, technical report and EUT Info specifies 2.47 GHz. All references need to be identical
Resolution	The information has been corrected.
Item	This device is described as, and requesting approval for a transmitter. There is no receiver approval being requested. Remove references to the receiver from the Block diagram and theory of operation exhibit.
Resolution	The information has been corrected
Item	The user manual has statements for a Part 15 Digital Device. There is no data, DoC or verification report to support those statements in the manual.
Resolution	A statement has been added to the technical report to support compliance with this requirement.
Item	Add a statement to the manual to satisfy the FCC RF Exposure requirements.
Resolution	The manual has been updated to include an RF Exposure cautionary note.
Item	
Resolution	
Item	
Resolution	
Item	
Resolution	

Opinion

Specification Requirements	Description
15.247(b)(5); 2.1091	RF Exposure

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

Discussion: The Applicant has submitted an RF Exposure justification Exhibit.

Reference: Exhibit O

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: Exhibit J

Specification Requirements	Description
15.247(b)(3)	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: Exhibit J

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: Exhibit J

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: Exhibit J

Specification Requirements	Description
15.205; 15.209; 15.247	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: Exhibit J

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: Exhibit J

Specification Requirements	Description
N/A	Conducted Emissions

Opinion: The Equipment is battery powered; therefore no conducted emissions requirements exist.