

COMMUNICATION CERTIFICATION LABORATORY

TEST REPORT: 73-6556

FCC ID: NY5RA3R

Exhibit 6: Test Report

TEST REPORT FROM:

COMMUNICATION CERTIFICATION LABORATORY
1940 W. Alexander Street
Salt Lake City, Utah
84119-2039

Type of Report: Notification

TEST OF: RA3R

FCC ID: NY5RA3R

To FCC PART 15, Subpart B

Test Report Serial No: 73-6556

Applicant:

Mytrex Inc.
7050 Union Park Avenue
Suite 590
Midvale, UT 84047

Date of Test: June 16, 1998

Issue Date: July 6, 1998

CERTIFICATION OF ENGINEERING REPORT

This report has been prepared by Communication Certification Laboratory to determine compliance of the device described below with the notification requirements of FCC Part 15, Subpart B. This report may be reproduced in full, partial reproduction may only be made with the written consent of the laboratory. The results in this report apply only to the sample tested.

- Applicant: Mytrex Inc.
- Manufacturer: Mytrex Inc.
- Brand Name: RESCUE ALERT
- Model Number: RA3R
- FCC ID: NY5RA3R

On this 6th day of July 1998, I, individually, and for Communication Certification Laboratory, certify that the statements made in this engineering report are true, complete, and correct to the best of my knowledge, and are made in good faith.

Although NVLAP has recognized that the Communication Certification Laboratory EMC testing facilities are in good standing, NVLAP does not endorse the product described in this report.

COMMUNICATION CERTIFICATION LABORATORY

Checked by: Anh T. Wride
Telecom Engineering Director

Tested by: Roger J. Midgley
EMC Engineering Manager

SECTION 1.0 CLIENT INFORMATION

1.1 Client Information:

Company Name: Mytrex Inc.
7050 Union Park Avenue
Suite 590
Midvale, UT 84047

Contact Name: Richard M. Bangerter
Title: President
Department:

SECTION 2.0 EQUIPMENT UNDER TEST (EUT)**2.1 Identification of EUT:**

Trade Name: RESCUE ALERT
Model Name or Number: RA3R
Serial Number: N/A
Options Fitted: N/A
Country of Manufacture: U.S.A.

2.2 Transition Provisions § 15.37(b)

The Mytrex Inc. model RA3R does not use the provisions of this section. The RA3R was tested to and complies with the current Notification requirements for receivers as found in Federal Communications Commission (FCC) Rules, Part 15, Subpart B.

2.3 Description of EUT:

The RA3R is a superheterodyne receiver for medical alarm applications and is designed to operate with all standard 418 MHz ASKS transmitters manufactured by Mytrex, Inc. The RA3R is a modular unit that works in conjunction with an automatic telephone dialer or similar device. The RA3R is installed inside of the host device.

The system consists of a transmitter that is within reach of the user. If the user needs medical attention they active the transmitter by pushing its button. The RA3R receives the transmission from and activates the automatic telephone dialer which calls a preprogrammed number to send medical attention to the user.

The RA3R operates on 5 VDC $\pm 10\%$ that is supplied by host unit.

Different types of output are provided according to receiver model.

Model RA3R provides digital data output suitable for decoding by an external decoder.

Model RA3R-D has an onboard microcontroller that functions as a digital decoder to provide logic low output when an appropriate digital code is received. The output may stay low as long as the appropriate code is being received or if specified by the user, it may go low only for a specified period of time once

it is activated The output signal is a direct output of the onboard microcontroller. Code selection is programmed into the receiver by means of an onboard moment pushbutton or by grounding the LEARN signal at the card edge of the receiver.

Model RA3R-T has an onboard microcontroller that translates the received digital code to a user specified format.

MOUNTING AND CABLING:

The RA3R series receivers should be mounted using double back foam tape to a metal surface to help provide an adequate ground plane for optimal antenna performance. The power supply must be filtered and the leads as short as possible. Connections to the RA3R series receivers are as follows:

Pin Description (refer to Figure 1)

1. 5 VDC
2. LEARN (Active Low, RA3R-D only)
3. TRANSLATED DATA (RA3R-T and RA3R-D only)
4. AUX (RA3R-T and RA3R-D only)
5. RAW DATA
6. GROUND

RA3R-D LEARN MODE:

The RA3R is capable of storing multiple codes that will cause the TRANSLATED DATA output to go low when received. If the LEARN button or LEARN signal is activated when power is applied, the Valid Code List is cleared once a valid code format is received. All subsequent codes received are added to the Valid Code List.

2.4 TECHNICAL INFORMATION

Type of emission:	Receiver N/A
Frequency Range:	418 MHz
Rated frequency stability:	+/-5 ppm
Rated RF power output:	N/A

2.5 RADIATED EMISSIONS PROCEDURES

The frequency range of 30 to 5000 MHz was investigated to measure any radiated emissions.

The unit was placed on the center of the table and placed in the receive mode during the tests. The RA3R was powered by an external 5 VDC power supply.

2.5 Modification Incorporated/Special Accessories on EUT:

There were no modifications or special accessories required to comply with the specification.