F2 Labs
16740 Peters Road
Middlefield, Ohio 44062
United States of America
www.f2labs.com

MPE TEST REPORT

Manufacturer:	**Traffic and Parking Control Co., Inc.** **5100 W Brown Deer Road** **Brown Deer, WI 53223**
Applicant:	**Same as Above**
Product Name:	**Radio 136377**
Product Description:	**Transceiver capable of 1W conducted output power in the 902-928 MHz ISM band.**
Model:	**Radio 136377**
FCC ID:	**2ANWN-02ANWN**
Testing Commenced:	2022-09-16
Testing Ended:	2022-09-17
Test Results:	**In Compliance** The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Standards:

- **KDB447498**

Evaluation Conducted by:

Julius Chiller, EMC/Wireless Engineer

Report Reviewed by:

Ken Littell, Vice President of EMC

F2 Labs
26501 Ridge Road
Damascus, MD 20872
Ph 301.253.4500

F2 Labs
16740 Peters Road
Middlefield, OH 44062
Ph 440.632.5541

F2 Labs
8583 Zionsville Road
Indianapolis, IN 46268
Ph 317.610.0611

TABLE OF CONTENTS

1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD**.**

1.2 Measurement Procedure:

All measurements were performed according to KDB558074.

1.4 Document History

Document Number	Description	Issue Date	Approved By
F2P28572A-02E	First Issue	2022-11-18	K. Littell

2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498	Complies

Modifications Made to the Equipment
None

3 ENGINEERING STATEMENT

This report has been prepared on behalf of Traffic and Parking Control Co., Inc., to provide documentation for the testing described herein. This equipment has been tested and found to comply with KDB447498. The test results found in this test report relate only to the item(s) tested.

4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: **Transceiver**
Model: **Radio 136377**
Serial No.: 0811-c
Firmware: **v06.03.000**
FCC ID: **2ANWN-02ANWN**

4.2 Trade Name:

Traffic and Parking Control Co., Inc.

4.3 Power Supply:

BK Precision 1685B

4.4 Applicable Rules:

- KDB447498

4.5 Equipment Category:

Radio Transmitter-DTS

4.6 Antenna:

WPANT30026-SE Omni Directional, 4dBi Gain

4.7 Accessories:

N/A

4.8 Test Item Condition:

The equipment to be tested was received in good condition.

5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN

5.1 Requirements: **Distance used is 20cm**

Limit: 0.602 mW/cm^2

Formula used for result: $\frac{\text{E.I.R.P.}}{4 \pi R^2}$

Results: E.I.R.P. = 2437.81mW

2437.81mW at the 902.4 MHz which is the highest.

$$\frac{2437.81\text{mW}}{4 \pi R^2} = \frac{2437.81\text{mW}}{5026.55} = 0.485 \text{ mW/cm2}$$