

# Radiofrequency Electromagnetic Field Exposure Report

K220GT Lincoln, NE

FIN: 89520

91.9 MHz

March 27, 2018

## TABLE OF CONTENTS

Introduction .....	3
Equipment .....	3
Summary .....	3
Drawings .....	4
K220GT RFR Measurement Area .....	4
Signage .....	5
Warning Signs .....	5

## Introduction

The permittee for the K220GT construction permit (file number BMPFT-20170530AAO) is Educational Media Foundation. The Radio Frequency Exposure Study was completed on March 27, 2018. Measurements were recorded at the facility using a Narda NBM550 instrument which properly analyzes and compensates for frequency dependent variables in the requirements of OET-65. Measurements were taken while slowly moving the probe between approximately 2 and 8 feet above ground, as well as side-to-side while walking to and from each measurement point. If an area had higher than average readings, further investigation was conducted to determine the extent of the area.

## Equipment

- Narda NBM-550
- SN: B-0755
- Firmware: NBM-FW V1.5.6

## Summary

The K220GT facility was confirmed to be operating at 100% ERP at the time of measurements. Measurement points were recorded throughout the accessible areas of the facility, as well as inside the building.

The majority of areas were measured to be below 100% of the uncontrolled limits of OET-65. One measurement point was measured to be 160% of the uncontrolled limit. The measurement point is located on the roof of the building. The roof area is restricted to the public and therefore falls under the worker (controlled) exposure limits. Educational Media Foundation has installed and will maintain appropriate signage to prevent inadvertent access to areas that exceed the uncontrolled limits.

Therefore, the K288FX facility fully complies with the FCC's maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

Lastly, though the site will fully comply with the FCC's controlled and uncontrolled exposure limits, access to the site will be restricted and appropriately marked with signage. When it becomes necessary for workers to ascend the antenna structure, the permittee will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

# Drawings

## K220GT RFR Measurement Area



## Signage

### Warning Signs

