

Radiofrequency Electromagnetic Field Exposure Report

K243BP Casa Grande, AZ

FIN: 146671

96.5 MHz

April 16, 2016

Steve Wilde
5700 West Oaks Blvd
Rocklin, CA 95765
Swilde@emfbroadcasting.com

TABLE OF CONTENTS

Introduction	3
Equipment	3
Summary	3
Drawings	4
K243BP RF Exposure Measurement Area	4
Photography	5
RF Exposure Warning Signs	5

Introduction

The permittee/licensee for the K243BP Construction Permit (file number BMPFT-20160411AAJ) is Educational Media Foundation (EMF). Per special operating condition #1, warning signs which describe the radiofrequency radiation hazard must be posted at appropriate intervals. Access must be restricted to prevent the exposure of humans to RF emissions in excess of the FCC guidelines (OET Bulletin 65, Edition 97-01, released August 1997). Permittee shall submit documentation of compliance with this special operation condition when filing FCC Form 350, application for license.

Steve Wilde, an EMF RF Engineer, completed the K243BP RF Exposure Study using a Narda SRM3000 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 SRM-3000 Serial # B-0070
- Date of Calibration: 3/17/2014
- Antenna Type: 3AX-50M-3G Serial # B-0057
- Firmware: SRM-FW V1.5.6

Summary

K243BP was confirmed to be operating at 100% ERP at the time of measurements. Measurements points were recorded throughout the accessible areas of the facility.

Areas were found that are over 100% of the uncontrolled limits, but all are inside fenced areas, and therefore fall under the worker (controlled) exposure limits. Educational Media Foundation has installed and will maintain appropriate signage to warn those with access to that area.

Therefore, K243BP fully complies with the FCC's maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

Photography

RF Exposure Warning Signs

