

Radiofrequency Electromagnetic Field Exposure Report

KLSW Covington, WA

FIN: 41861

104.5 MHz

April 13, 2016

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Introduction

The permittee/licensee for the KLSW Construction Permit (file number BPED-20150402AAS) is Educational Media Foundation(EMF). Per condition #3, the permittee/licensee shall, upon completion of construction and during the equipment test period, make proper radiofrequency electromagnetic (RF) field strength measurements throughout the transmitter site area to determine if there are any areas that exceed the FCC guidelines for human exposure to RF fields.

Kyle McGuire, an EMF Broadcast Technician, completed the KLSW 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

KLSW was confirmed to be operating at 100% ERP at the time of measurements. A total of 64 measurement points were recorded throughout the accessible areas of the facility.

No areas were found that are over 100% of the uncontrolled limits of OET-65. Therefore, KLSW fully complies with the FCC's maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments. Furthermore, the facility is equipped with a fence and locked gate which precludes casual or inadvertent access.

Drawings

KLSW RF Exposure Measurement Area

