

Radiofrequency Electromagnetic Field Exposure Report

KLCQ Durango, CO

FIN: 88486

88.5 MHz

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Introduction

The permittee for the KLCQ construction permit (file number BPED-20161006AAH) is Educational Media Foundation. Per special operating condition #4, 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. David Harris, an EMF Engineer, completed the KLCQ RF Exposure Study using a Narda NBM550 instrument which properly analyzes RF exposure limits per 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 Serial # A-0227
- Antenna Type: EA5091 Serial # 01018

Summary

KLCQ was confirmed to be operating at 100% ERP at the time of measurements. 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, KLCQ fully complies with the FCC's maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

Drawings

KLCQ RF Exposure Measurement Area

