

**Engineering Exhibit**  
**KODZ(FM) Eugene, OR (Facility ID# 40845)**  
**RF Compliance Statement**

**Coordinate Correction**

This application is for the correction of the main antenna coordinates. The correct coordinates are:

44-6-57.0 N, 122-59-57.0 W

This correction of geographic coordinates constitutes a change which is less than 3 seconds latitude and less than 3 seconds longitude, therefore this request for license modification is pursuant to FCC 73.1690 (C)(11).

**RF Compliance:**

KODZ(FM) is not eligible to use the RF Exposure Worksheet included with FCC Form 303-S, however it does comply with OET Bulletin 65 Edition 97-01 with regard to General Population/Uncontrolled Exposure and Occupational/Controlled Exposure. The authorized KODZ(FM) transmitter site is located approximately 10 km northeast of Eugene, OR. The site is a multi-user telecommunications site. The following non-exempt broadcast facilities are authorized to operate from the site:

Call Letters	Frequency	ERP	
KODZ(FM)	99.1 MHz	100 kW	
KEZI(TV)	CH9	316 kW	
KMTR(TV)	CH16	1910 kW	
KMTR-DT	CH17	70 kW	
KEZI-DT	CH44	13.5 kW	*STA
K57EL (TX)	CH57	5.54 kW	
K59DJ (TX)	CH59	11.7 kW	
K65ER (TX)	CH65	6.23 kW	

**Facilities:**

KODZ(FM) utilizes a 6 bay RCA BFC-6 full wave spaced "BFC" type antenna. It is side mounted on a 151.2 meter guyed tower with a center of radiation located at 94 meters above ground level. A perimeter fence with a securely locked gate surrounds the base of the tower. Fences also surround a number of the guy anchors. Appropriate cautionary signs are posted along the fences indicating that potential RF hazards may exist beyond. The areas inside the fences are designated Occupational/Controlled Exposure areas.

## **Prediction Method:**

On August 16, 2005, measurements were made by the KODZ(FM) engineering staff in all generally accessible areas within the transmitter site compound and surrounding areas in accordance with guidelines provided in OET Bulletin 65 Edition 97-01 with regard to General Population/Uncontrolled Exposure and Occupational/Controlled Exposure limits. A NARDA 8718B EM Survey meter utilizing an A8742D Shaped E Field Probe and a B8742D Shaped E Field Probe was used to make the measurements. The A8742D is a shaped probe with usable response from 300 kHz – 3 GHz providing a reading of the electric field component in percentage of the plane wave equivalent power density corresponding to the 1997 FCC Occupational/Controlled Standard. The B8742D is a shaped probe with usable response from 300 kHz – 3 GHz providing a reading of the electric field component in percentage of the plane wave equivalent power density corresponding to the 1997 FCC General Population/Public Standard. Measurements were made using the “Max Hold” function of the NARDA 8718B meter while slowly walking a survey grid around the site sweeping the meter probe up and down in an oscillatory fashion covering as much volume of space as practical. In areas where the indicated RF exposure levels approached or exceeded 100%, spatially averaged measurements were made utilizing the spatial averaging functionality built into the NARDA 8718B.

## **General Population / Uncontrolled Exposure:**

There were no areas outside the fenced areas, in the generally accessible areas on and around the site, where RF exposure levels exceeded the 1997 FCC General Population/Uncontrolled Exposure limit. Thus, KODZ(FM) complies with OET Bulletin 65 Edition 97-01 with regard to the General Population/Uncontrolled Exposure at all accessible points on the site and surrounding areas.

## **Occupational / Controlled Exposure:**

The areas within the fences located on the site are designated a Controlled/Occupational Exposure areas. The fences are kept secure at all times and signs are posted warning that fields may exist that are in excess of occupational limits. There was one area within the Occupational/Controlled access areas observed at ground level where the spatially averaged electric field exceeded the 1997 FCC Occupational/ Controlled Exposure limit. This occurred a distance of 20 cm from the northwest outer guy anchor. The maximum average electric field within the Occupational/Controlled Exposure area was observed to be 206% of the 1997 FCC Occupational/Controlled Exposure limit. The area is surrounded by a fence and appropriate warning signs are posted clearly indicating that RF exposure levels exist in excess of the 1997 FCC Occupational/Controlled Exposure limit. Thus, KODZ(FM) complies with OET Bulletin 65 Edition 97-01 with regard to Occupational/Controlled Exposure at all points within the Occupational/Controlled access area. KODZ(FM), in cooperation with other licensees, will reduce power or cease operations as necessary to protect persons having access to the site, including the tower or antennas, from RF exposure in excess of FCC guidelines.