

Compliance with Special Operating Conditions

The Construction Permit contains several Special Operating Conditions, summarized as follows:

1. Automatic program test provisions do not apply. A formal request for program test authority must be filed with Form 302-FM, which must contain documentation demonstrating compliance with the following special operating conditions:
2. The permittee must, 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 areas that exceed the FCC guidelines for human exposure to RF fields. If necessary, fences and appropriate signage are to be installed so as to prevent human exposure to RF fields in excess of the FCC guidelines.
3. Documentation demonstrating compliance with the special operating conditions shall be submitted at the time of the filing of FCC Form 302-FM.
4. The permittee/licensee, in coordination with other users of the site, must 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.
5. Further modification of KGNU(FM), Boulder, CO (FIN 6512) will not be construed as a per se modification of KFDN's construction permit (BPED-20070507AFA).

Educational Media Foundation ("EMF"), complies with, or agrees to, these conditions, as follows:

1. EMF herewith provides supporting documentation to demonstrate compliance with the special operating conditions contained in the construction permit.
2. EMF has made proper radiofrequency electromagnetic (RF) field strength measurements throughout the transmitter site area, and has determined that there are no areas that exceed the FCC guidelines for human exposure to RF fields. Specifically, the maximum reading found on site, using a shaped-probe instrument, was 77.7% of the uncontrolled/public exposure limits of OET-65. Further, KFDN's maximum measured contribution to the site RFR was 5.2% of the uncontrolled/public exposure limits of OET-65. See Exhibit 9A. Therefore, no further action is required.
3. See this page and Exhibit 9A
4. EMF, in coordination with other users of the site, agrees to 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.
6. EMF agrees that further modification of KGNU(FM), Boulder, CO (FIN 6512) will not be construed as a per se modification of KFDN's construction permit (BPED-20070507AFA).

Therefore, all Special Operating Conditions of the KFDN Construction Permit (FCC File Number BPED-20070507AFA) have been met.

Radiofrequency Electromagnetic (RF) Measurements

KFDN is built on an existing communications site shared by several other broadcasters. Educational Media Foundation (“EMF”) engineer David Smith used EMF’s Narda SRM-3000 RFR measurement equipment to evaluate RF compliance at the KFDN transmitter site. Mr. Smith performed the measurements on November 5, 2007, with KFDN operating at the power authorized by the instant Construction Permit (File Number BPED-20070507AFA).

In performing the measurements, Mr. Smith slowly walked from the base of the tower to approximately 100m from the tower (terrain permitting) along eight approximately equally-spaced radials. As he walked, he slowly moved the probe between 2 and 8 feet above ground, and from side to side, seeking the highest readings. As he walked, Mr. Smith noted the highest “overall” readings as well as the highest readings for KFDN only. In several directions, there are steep terrain areas which prevented Mr. Smith from continuing to the full 100 meters.

In addition to the eight radials, Mr. Smith also carefully investigated the area nearest the KFDN transmit antenna.

As can be seen on the attached study form, the highest reading found from all facilities was 77.7% of the uncontrolled/public exposure limits of OET-65. The maximum reading found for KFDN only was 5.2% of the uncontrolled/public exposure limit. These results are within the FCC guidelines for human exposure to RF fields.

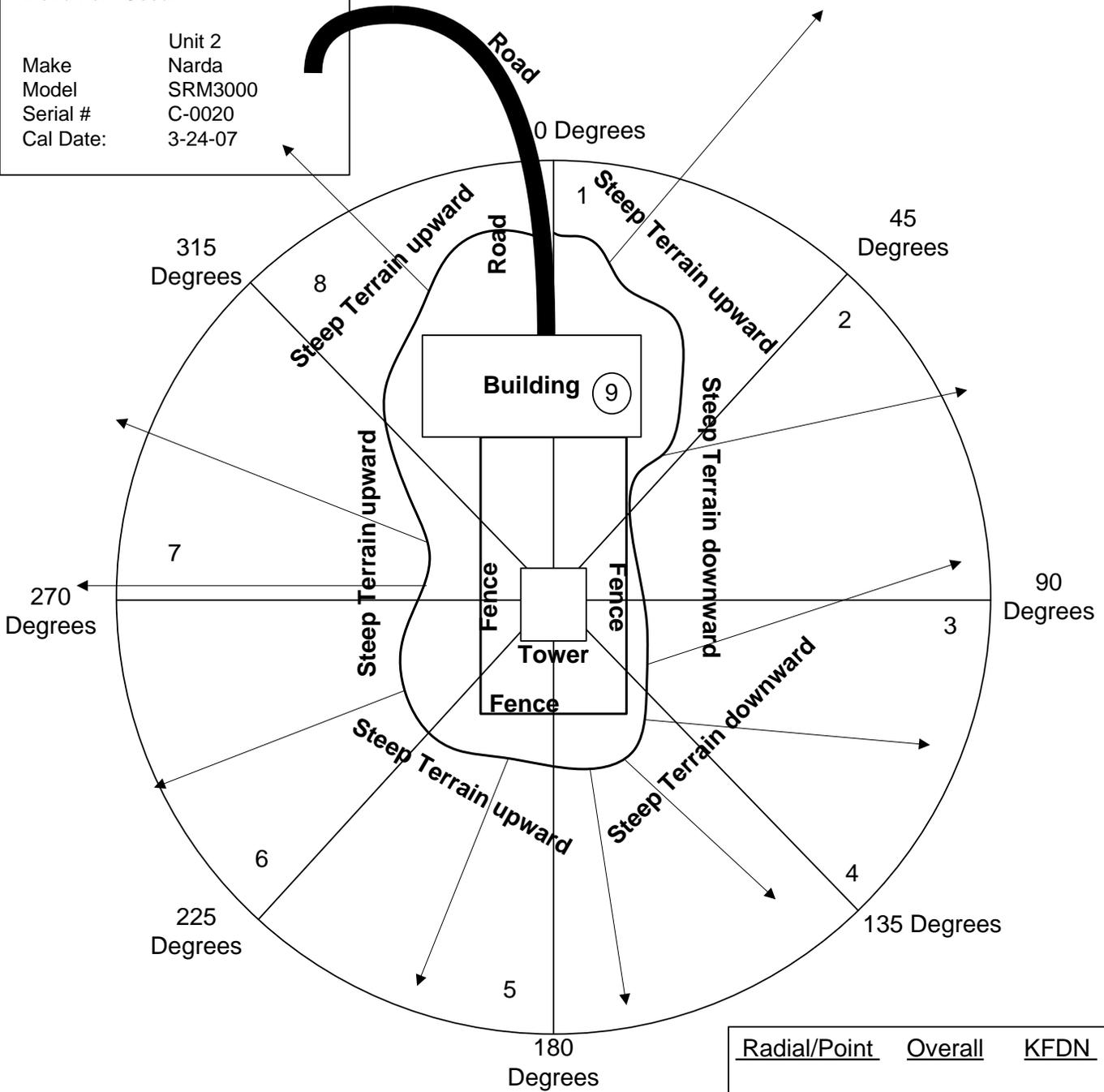
Therefore, KFDN respectfully requests that Program Test Authority be granted.

Date: 11-5-2007
 Time: 4:00 PM
 WX conditions: clear
 Readings taken by: David Smith
 Instrument Used:

RFR Study Form

KFDN-Lakewood, CO

Unit 2
 Make Narda
 Model SRM3000
 Serial # C-0020
 Cal Date: 3-24-07



Not to Scale

Notes: Readings 3, 4, 5 are within close proximity from the base of the Antenna. Reading 4 is within 10 ft of the Antenna.

<u>Radial/Point</u>	<u>Overall</u>	<u>KFDN</u>
1	9.1 %	.06 %
2	10.3 %	.07 %
3	17.4 %	3.1 %
4	77.7 %	4.6 %
5	29.2 %	.17 %
6	17.11 %	1.03 %
7	27.6 %	5.2 %
8	20.2 %	2.1 %
9	4.5 %	.03 %