

ENGINEERING REPORT
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ENGINEERING REPORT

ON BEHALF OF MAPLETON COMMUNICATIONS, LLC

KRRX-AUX LICENSED TO BURNEY, CA

FACILITY:41241
FCC FILE NO: BXPB-20030128ADN

JULY 22, 2007

RF RADIATION DENSITY MEASUREMENTS
KRRX-AUXILIARY TRANSMITTER FACILITY
LOCATED NEAR SHASTA, CALIFORNIA

INTRODUCTION

This firm has been retained by Mapleton Communications, LLC, Licensee of FM Station KRRX-FM, to measure the level of Radio Frequency Radiation Density at the auxiliary transmitter facility. That work has been completed and the results are contained within this engineering report.

On July 22, 2007 between the hours of 1:30 PM and 5:00 PM, RF field measurements were taken by this engineer at the KRRX-FM-AX transmitter site located at South Fork Mountain approximately 7 km NW of the community of Shasta, CA

EQUIPMENT - PROCEDURE - DATA

Equipment: VHF RF Field Intensity Meter, Potomac Model FIM-71 with NBS certified Standard Reference dipole antenna.

RF SURVEY METER: Narda Model SRM-3000 SN: 3001/01 C0020 CAL: 3/26/07
RF PROBE: Isotropic response (3.0 khz - 3 ghz)

Agilent Spectrum Analyzer Model: E4440-A using NBS Standard Reference adjustable dipole.

Additional testing was performed utilizing a Holday Broadband Isotropic Field Strength Meter Model: HI-3004 SN:73448 with Isotropic High Sensitivity Probe Model: HSE SN: 594 which is routinely checked for accuracy.

Procedure: The entire tower area was surveyed including all structures and other metal objects located at the site. All Air handling equipment, two way radio antenna support structures and other structures worthy of study were also analyzed for high levels of RF energy. All tower guy wire anchor locations were measured for the presence of RF contact currents on the metallic components.

Standard RF measurement procedures were followed as recommended by IEEE C95.1 1991 / ANSI C95.1-1992 (un-controlled environment) (MPE) MAXIMUM PERMISSABLE EXPOSURE) 200 Khz to 40 Ghz). Standard IEEE recommended measurement procedures were in practice throughout the assessment period.

Instantaneous peak readings were recorded with time and spatial averaging also recorded but not required for site compliance Ref: IEEE/ANSI c95.1-1992, "Standards for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3Khz to 300 Ghz.

Conditions: The measurement process at the KRRX-FM-AUX transmitter site was conducted under normal environmental conditions and with all transmitter equipment functioning normally. All transmission equipment was verified by the station's engineers to be in proper working order.

All other transmission system located on the adjacent property was also believed to be operating at fully licensed ERP as well.

Results: The highest RF voltage/current/ power density was measured on the metallic guy wire anchors attached to tower structure which supports adjacent broadcast antennas, however, the measured field was well below FCC limits.

In an abundance of caution and to discourage anyone from climbing the tower, the site is posted with warning signs "DANGER HIGH RADIO FREQUENCY EXPOSURE DO NOT ENTER" "NO TRESPASSING". The site is located approximately 4.5 kilometers from SR 299 on USFS property and access is only through a locked gate located several kilometers down from the actual transmitter site. The general public is not permitted at the site.

Conclusion: The entire transmitter site was found to meet the FCC's requirements for maximum permissible RF radiation density at two meters above ground level for a controlled environment – 1.0 Mw/C m2.

END OF REPORT

If anyone concerned with this engineering statement or the enclosed engineering information may require additional information or would like to discuss the enclosed material, please contact me at the following:

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Respectfully Submitted

W. Richard Green / 7//22/07

W. Richard Green

Date