

RF field strength measurements for KNIS Auxiliary Antenna
KNIS, Carson City, NV
April 2022

Applicant is requesting Program Test Authority with the submission of the following documentation relative to the Special Operating Conditions specified in the Construction Permit:

Permittee/Licensee has performed 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. Measurements were made using a Narda model 8718B Electromagnetic Radiation Survey Meter with a Narda model B8722D Isotropic Shaped Electric Field Probe. The entire area was walked and no areas of general public access were found to exceed the $200\mu\text{W}/\text{cm}^2$ exposure limit. The site has been fenced and posted with appropriate warning signs at points of access to the antennas.

Only one area within controlled access exceeding $200\mu\text{W}/\text{cm}^2$ was identified, a small area less than a foot away from the tower base legs. This area is inside a locked chain link fence and has an RF Exposure warning sign posted on the fence.

The permittee in coordination with other users of the site will 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.