

WKSF-FM Radio Frequency Radiation Measurements

RFR measurements were taken by Chris Karb, P.E at the base of the Mount Pisgah tower, antenna structure number 1035173. This structure supports two television antennae and the WKSF antenna, an six section EPA Type 3 “rototiller” in addition to multiple RF communication antennae and devices. All co located stations were verified to be operating within their normal parameters. During these measurements, WKSF was operating pursuant to the terms of Construction permit file BPH-20131119AAI with a maximum ERP of 53 KW.

Measurements were made with a NARDA 8718B meter, S/N 04226, connected to an A8742D E-field probe, S/N 02818. Both meter and probe were calibrated on October 30, 2013 at the L3 Communications facility in Hauppauge, NY.

A thorough survey of the accessible area around the base of the tower, under the tower itself and the public accessible spaces at the top of the mountain, including a publicly accessible observation deck located immediately adjacent to the supporting tower base. The resultant measurements showed the maximum radiation was 3.80% of the maximum allowable general population exposure per FCC 1997 standard specified in OET Bulletin 65 Supplement A.

Areas in and around the occupational restricted controlled access areas were measured and found not to exceed 2.06% of controlled exposure level allowed by OET 65 A.

It is concluded therefore, that this facility meets the RFR requirements of those standards for both controlled and uncontrolled exposure as required Section 1.1307 pursuant to OET Bulletin 65, Supplement A,.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.