

RADIOFREQUENCY RADIATION ASSESSMENT

This exhibit has been included to address the issue of allowable radiofrequency radiation levels (RFR). The Proposed Booster antenna would conform to the FCC guidelines with respect to OET Bulletin No. 65 (Edition 97-01, August 1997), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields." It first should be noted that the Proposed Booster is a standalone FM, there are no AM, FM, or TV stations within 315 meters of this proposal with the exception of FM Booster Station KEHD-FM1 with which this proposed Booster will share an antenna with (to be diplexed). It should be noted that an application for an educational FM station has been filed for this same antenna tower, file number BNPED-20071022ALD, licensed to Fernley, NV on 89.1 MHz. The applicant is Family Stations, Inc. and this application is caught up in an MX group and is only at the applications stage and is not Accepted for Filing or a Construction permit. Shamrock Communications, Inc. has a firm deal to lease the spot for this proposal, Family Stations, Inc. has no such agreement. As the new educational FM at Fernley is simply an application Tendered for Filing on the CDBS, this proposed station is not required to be factored into this RFR showing. Also, there are no other stations of any type that would be required to be factored into the RFR calculations except for KEHD-FM1. Included as the first Subpart of this attachment is a printout showing the FCC's Power Density Program from the FCC's own website. The input values located on this program are for the Proposed Booster antenna. The type of antenna indicated in this Subpart is a one bay "worst case" all horizontally polarized antenna. The results from this printout show that the Proposed Booster antenna would have a predicted power density value at ground level of 0.072 mW per square cm which is lower than 0.2 mW per square cm, the maximum allowable level of RF radiation. The Proposed Booster power density level of 0.072 mW per square cm is 36% of the maximum allowable level of RF radiation. Included as the second Subpart of this attachment is a printout showing the FCC's Power Density Program from the FCC's own website. The input values are for KEHD-FM1. The type of antenna indicated in this Subpart is a one bay "worst case" all horizontally polarized antenna. The results from this printout show that KEHD-FM1 would have a predicted power density value at ground level of 0.072 mW per square cm which is lower than 0.2 mW per square cm, the maximum allowable level of RF radiation. The proposed KEHD-FM1 power density level of 0.072 mW per square cm is 36% of the maximum

allowable level of RF radiation. Combining the Proposed Booster contribution of 36% with the KEHD-FM1 contribution of 36% results in a total contribution of 72% of the maximum allowable level of RF radiation, which conforms to the FCC maximum permissible uncontrolled/general population RF exposure guidelines.

In addition to showing that the Proposed Booster and KEHD-FM1 antennas meets the new OET bulletin No. 65 guidelines for a safe center of radiation, it should be noted that the transmitting tower is appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction of power or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency electromagnetic fields will not exceed the FCC guidelines. All of this information demonstrates that this application conforms to the new FCC guidelines with respect to OET Bulletin No. 65 (Edition 97-01, August 1997), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields."