

WQIS

CAMDEN, SOUTH CAROLINA

NARRATIVE

This application is to add nighttime operation to WQIS. There is to be no change in the daytime operation.

Radiation limits to the two class A stations on 1130 kilohertz and the class B cochannel and first-adjacent stations were calculated and analyzed. Class A WBBR, New York, is the station that limits the non-directional radiation from WQIS.

Attached is a list of class B stations that limit the radiation to less than 1000 mV/m. Also included is a list of contributors to stations that limit WQIS to less than 200 mV/m. As noted on these lists, HJAC, 4VBD and HRPL were eliminated from the pool of potential contributors.

Radiation limits to WBBR and class A KWKH, Shreveport, Louisiana were calculated to points where the class A 0.5 mV/m 50 percent skywave contours left the continental United States, which, in both cases, was the closest point to WQIS. Tabulations showing pertinent data associated with the calculation of these limits are attached.

Finally, maps are included that show the 0.5 mV/m 50 percent skywave contour of each class A station with the 0.025 mV/m 10 percent skywave contour of WQIS at the limiting radiation values.

As noted, the limit to WBBR, and the power applied for, is 0.00709 kilowatt (7 watts).