

WAIVER REQUEST PROPOSED W252AW

The proposed location for W252AW places it within the 54 dBu contours of second adjacent class B stations WCKL and WFMT

Signal level from WFMT at the proposed site is 93.99 dBu

Signal level from WCKL is 88.65 dBu

Using the worse case scenario, the proposed W252AW site would have an interference area equal to the 128.65dBu contour in which no population housing or major highways may be located.

Due to limitations in the ComStudy2.2 program, the software is unable to show an accurate directional contour of 128dBu from a 250 watt system at this height using the specified directional antenna as the nulls are too small to be accurately plotted at that power level. To illustrate the required area of no population applicant has used the FCC FM propagation curves calculator to input a power level of .250 kW from a non directional antenna at 83 meters above ground with a request to determine the distance to the 128 dBu contour. The result is a distance of 0.040 klometers. This is equal to 131feet. Applicant concludes that the 128 dBu contour does not leave the property of primary station WRLI and does not cover the studio building therein. Since the main lobe would be 131feet the pattern could not exceed 131 feet in any direction therefore the waiver request meets all requirements for directional or non-directional operation from this tower.