

Adjacent Channel Protection

This proposal has no prohibited contour overlap with any authorized station on the same or first adjacent channels.

There is overlap between the proposal's 94 dBu contour and the protected 54 dBu contours of 2nd adjacent class B stations KSCA (facility id 24548) and KIIS-FM (facility id 19218). The predicted signal strength of KSCA at the transmit site is 57.4 dBu, while that of KIIS-FM is 59.2 dBu. This gives a worst case interfering contour (using an undesired-to-desired ratio of 40 dB) of 97.4 dBu.

The transmit site is a remote mountaintop site with no major roads or occupied buildings nearby. The 97.4 dBu contour is plotted on an aerial photo (attached) to demonstrate that no major roads or occupied buildings fall under the predicted area of interference. As demonstrated, this proposal qualifies for a waiver of the usual contour overlap rules under the "lack of population" clause of 47 CFR § 74.1204(d).