

Page #1, Waiver Request of Section 74.1204

New-T, Stockton Ca, Channel 259 5 Watts

Calvary Chapel of Twin Falls, Inc. 11/03

The proposed site is contained entirely inside the service contour of second-adjacent stations KJOY and KQOD Stockton, CA

KJOY

The proposed site is contained entirely inside the service contour of second-adjacent Station KJOY and CP, Channel 257, Class A, 4kW and 4.8kW, Stockton, CA. As shown by the map on **page #2** of this waiver request, the level of the second-adjacent station KJOY and CP arriving protected F(50,50) signal at the proposed transmitter site is 88-dBu. Using the Undesired-to-Desired method for calculating proposed interference (the basis of the FCC current contour overlap regulations and an acceptable method for the purposes of determining lack of interference for an FM Translator), the proposed interfering contour with respect to KJOY and CP is 128-dBu (free-space contour method employed). This means that the 128-dBu interfering signal would, in the worst case at the maximum radial, extend 5 meters from the center of radiation, which is proposed at 122 meters AGL. A 7.5 min Topo Map is being supplied to show that this tower exists in a populated area, however the interference contour of 5 meters begins at 117 meters above ground level. A discussion with the site owner locates no buildings tall enough or close enough to be affected by the interference contour, which is contained entirely on the tower. Because there are no buildings which reach 117 meters AGL within this interference zone, it is determined that no population inhabits this 128-dBu interference area. Therefore, Calvary Chapel of Twin Falls, Inc. respectfully requests a waiver of the FM translator contour overlap regulations with respect to second-adjacent channel station KJOY and CP.

KQOD

The proposed site is contained entirely inside the service contour of second-adjacent Station KQOD, Channel 261, Class A, 6kW, Stockton, CA. As shown by the map on **page #2** of this waiver request, the level of the second-adjacent station KQOD arriving protected F(50,50) signal at the proposed transmitter site is 85-dBu. Using the Undesired-to-Desired method for calculating proposed interference (the basis of the FCC current contour overlap regulations and an acceptable method for the purposes of determining lack of interference for an FM Translator), the proposed interfering contour with respect to KQOD is 115-dBu (free-space contour method employed). This means that the 115-dBu interfering signal would, in the worst case at the maximum radial, extend 22 meters from the center of radiation, which is proposed at 122 meters AGL. A 7.5 min Topo Map is being supplied to show that this tower exists in a populated area, however the interference contour of 22 meters begins at 100 meters above ground level. A discussion with the site owner locates no buildings tall enough or close enough to be affected by the interference contour, which is contained entirely on the tower. Because there are no buildings which reach 100 meters AGL within this interference zone, it is determined that no population inhabits this 128-dBu interference area. Therefore, Calvary Chapel of Twin Falls, Inc. respectfully requests a waiver of the FM translator contour overlap regulations with respect to second-adjacent channel station KQOD.