

**DELAWDER COMMUNICATIONS, INC.**

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**ENGINEERING REPORT**

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**K274CJ, Carpinteria, CA, Site-Move Minor Change**

**ENGINEERING STATEMENT**

All required protections are met by contour non-overlap pursuant to Section 74.1204, with the exception of protection to KVYB, Santa Barbara, CA (277B). KVYB is protected, as discussed below.

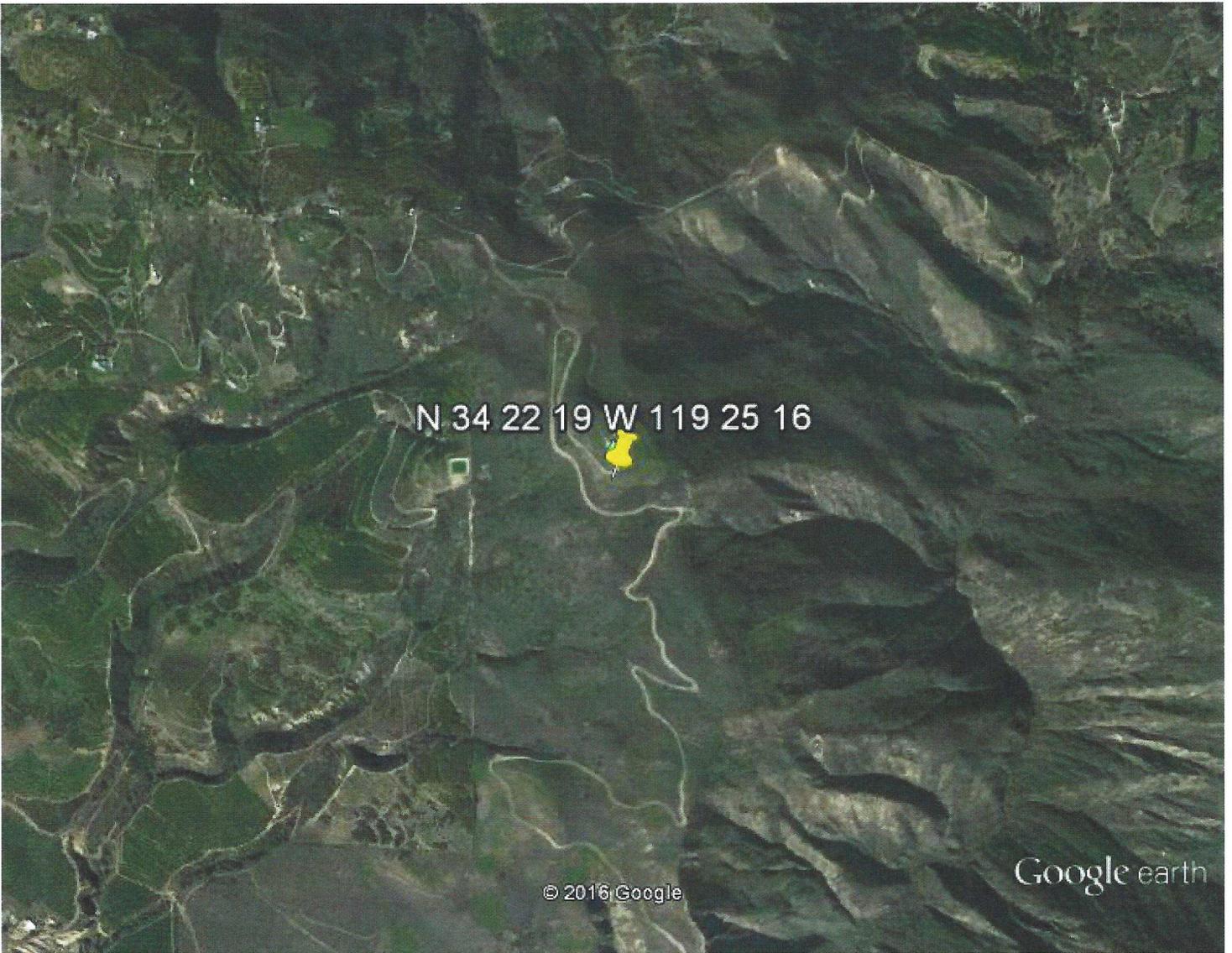
**PROTECTION TO KVYB**

KVYB is a third adjacent-channel station to the proposed channel 274D translator facility. The 54 dBu F50,50 protected service contour of this station extends beyond the 274D transmitter site. Using the well-established *Living Way Ministries* Methodology, no actual interference to any population is predicted to exist to KVYB.

Note that a rule waiver of Section 74.1204 for this second and third adjacent-channel protection using the well-established *Living Way Ministries* Methodology is respectfully requested if such a rule waiver is deemed necessary for protection to any station.

The F50,50 signal strength from KVYB at the proposed 274D transmitter site is greater than 78 dBu (the "desired" signal). The second/third adjacent-channel protection is an undesired-to-desired ("U/D") dB signal strength ratio of 40:1. Therefore, predicted interference to KVYB is a 274D signal of greater than or equal to 118 dBu.

The 118 dBu signal based on a free space field determination is predicted to extend out to 45 meters from the proposed 274D transmitter site. As demonstrated by the attached aerial photo of the translator site, there are no homes or major roads located within this distance. Therefore, pursuant to Section 74.1204(d) of the FCC Rules, KVYB is adequately protected by the proposed facility.



Google earth

