

### **Second-Adjacent Channel Protection**

The proposed facility is located within the 57 dBu contour of second-adjacent channel station KBOX (281B1, FCC ID 7049), Lompoc, California which is protected in accordance with §74.1204(d) at a +40 dB level. KBOX is co-located and at 3300 watts ERP is +11.2 dB higher than the proposed 250 watt ERP facility so there is no point where the translator could exceed +40 dB. Plus, the proposed 97 dBu contour has zero population.

The proposed facility is also located within the 54 dBu contour of second-adjacent channel station KVYB (277B, FCC ID 8853), Santa Barbara, California which is protected in accordance with §74.1204(d) at a +40 dB level. KVYB is a grandfathered superpower class B station with a calculated field of 80.97 dBu at the proposed site based on an ERP of 105 KW and height above average terrain along a 300° radial from KVYB to the proposed site of 845 meters. The translator would require a field intensity of 120.97 dBu to cause interference to the KVYB signal. There is zero population inside the predicted interference contour so the proposed operation is in compliance with §74.1204(d).