

LANCASTER EDUCATIONAL BROADCAST SERVICE
KLQS-LP 97.5 FM AGUA DULCE, CALIF
FAC ID NO. 195731

MINOR CHANGE OF LICENSED FACILITY

| | |
|----------------|---|
| Channel | 248L1 |
| New Location: | 34° 22' 44.3" N 118° 23' 50.6" W-- NAD 83 |
| Antenna AGL | 7 m |
| Tower Total | 7 m |
| Antenna Ground | 633 m |
| Antenna COR | 640 m |
| HAAT | -35.9 m |
| Power | 50 w |

```

Lancaster Educational Broadca

REFERENCE
34 22 44.30 N.          CLASS = L1 Int =          DISPLAY DATES
118 23 50.60 W.        Current Spacings to 2nd Adj. DATA 03-14-21
----- Channel 248 - 97.5 MHz ----- SEARCH 05-09-21

```

| Call | Channel | Location | Azi | Dist | FCC | Margin |
|------------------------|------------------|--------------------------|-----------------|------------------|-----------------|-----------------|
| *KLAX-FM LIC-Z | 250B | East Los Angeles CA | 142.3 | 30.21 | 66.5 | -36.3 |
| *KAMP-FM LIC-D | 246B | Los Angeles CA | 119.0 | 34.77 | 66.5 | -31.7 |
| KLOS-LP LIC | 248L1 | Agua Dulce CA | 31.6 | 14.84 | 23.5 | -8.7 |
| KHUG-LP LIC | 248L1 | Castaic CA | 300.9 | 25.78 | 23.5 | 2.3 |
| KLYY LIC-D | 248B | Riverside CA | 97.6 | 116.77 | 111.5 | 5.3 |
| KTPI-FM LIC | 249A | Mojave CA | 17.4 | 69.81 | 55.5 | 14.3 |
| KLSB LIC | 248B | Goleta CA | 276.9 | 144.39 | 111.5 | 32.9 |
| KRJK LIC | 247A | Lamont CA | 342.0 | 95.04 | 55.5 | 39.5 |
| K247CN LIC | 247D | Mojave CA | 17.4 | 69.81 | 20.5 | 49.3 |

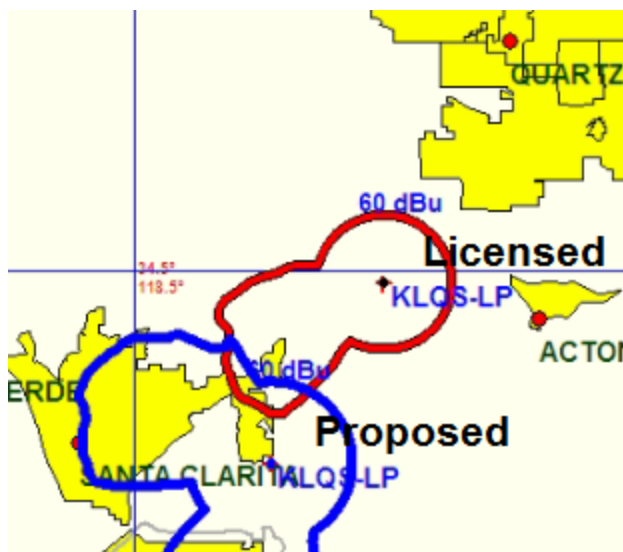
```

-----
Reference station has protected zone issue: Mexico
All separation margins include rounding
* See second adjacent waiver

```

Minor Change Move

Facility proposes a 14.8 km move from licensed facility. Although this exceeds the minimum maximum spacing for a move, Section 73.870 also permits minor change moves with demonstration of the proposed 60 dBu overlapping the licensed 60 dBu. This is visually demonstrated below.

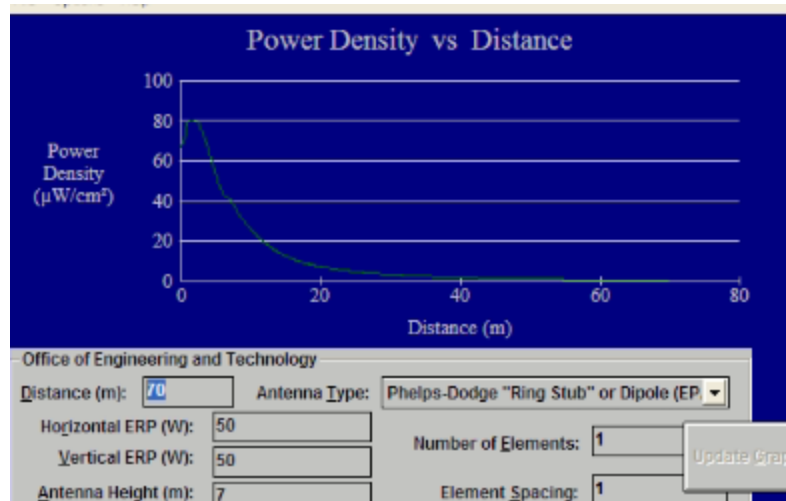


TOWAIR (PASS)

| DETERMINATION Results | |
|---|------------------|
| Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided. | |
| Your Specifications | |
| NAD83 Coordinates | |
| Latitude | 34-22-44.3 north |
| Longitude | 118-23-50.6 west |
| Measurements (Meters) | |
| Overall Structure Height (AGL) | 7 |
| Support Structure Height (AGL) | 0 |
| Site Elevation (AMSL) | 633 |
| Structure Type | |
| MAST - Mast | |

Environmental Compliance

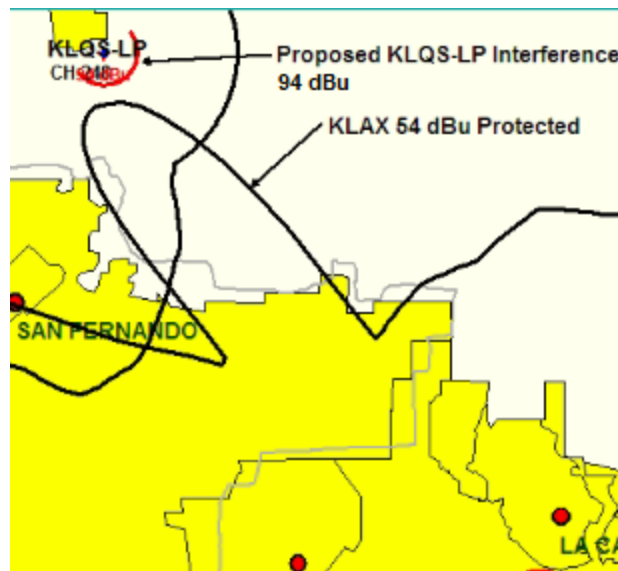
A Phelps-Dodge Ring Stub/Dipole (the worst possible downwards radiation scenario) was used to gauge the maximum RF for the proposal in OET program FM Model for Windows because the desired antenna was not included in the software. This demonstrates a peak exposure of $80.4 \mu\text{W}/\text{cm}^2$ 0.14 m from the antenna. This is 40.2% of the FCC's Maximum Permissible Exposure (MPR) for $200 \mu\text{W}/\text{cm}^2$ for Unrestricted Areas so the proposal passes compliance. The antenna is on private property surrounded by a rural area. A RF warning sign shall be posted. In the case any work is done to the facility, it will be powered-down.



Second Adjacent Waiver Request

KLAX-FM and KAMP are the second adjacent channels the facility is short spaced to.

Regarding KALX: The proposed facility resides outside of the second adjacent channel KLAX-FM's 54 dBu contour (below), even though it is short-spaced. Thus, the KLAX-FM 54 dBu is protected from interference.



The proposed does reside within the 54 dBu of second adjacent channel KLAX-FM.

As for KAMP:

Using U/D methodology, at the proposed KLQS-LP transmitter location second adjacent channel KAMP-FM has a signal strength of 70.4 dBu. Interference will occur when the KAMP signal strength's interfering signal exceeds the desired signal by 40 dbu. So the area of predicted interference would then be bounded by the 110.4 dBu contour.



The red line delineates the interference area. No population exists within the interference (interference is on private property, with “1” long-term private storage area (no occupancy), and “2” a burnt home’s foundation [abandoned]).

Due to zero population within this radiation radius, this meets the "Living Way" Criteria to qualify for a Waiver of 47 C.F.R. Section 73.807.

Applicant respectfully requests a "second adjacent channel waiver" with regards to Section 47 C.F.R. Section 73.807 of the FCC rules based upon the "Living Way" precedence (Living Way Ministries, Inc., Memorandum Opinion and Order, 17 FCC Red 17054, 17056, ¶ 5 (2002), recon. denied 23 FCC Red 15070 (2008)).