

**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

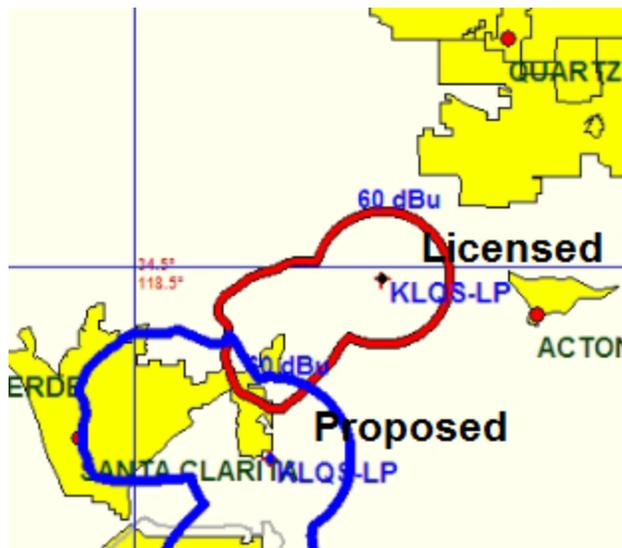
REFERENCE
 34 22 44.30 N. CLASS = L1 Int = DISPLAY DATES
 118 23 50.60 W. Current Spacings to 2nd Adj. DATA 03-14-21
 ----- Channel 248 - 97.5 MHz ----- SEARCH 05-09-21

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
KLQS-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.

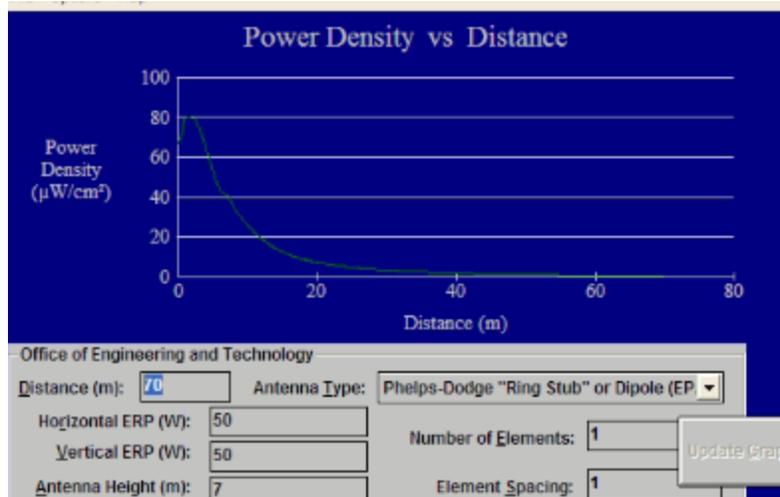


TOWAIR (PASS)

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

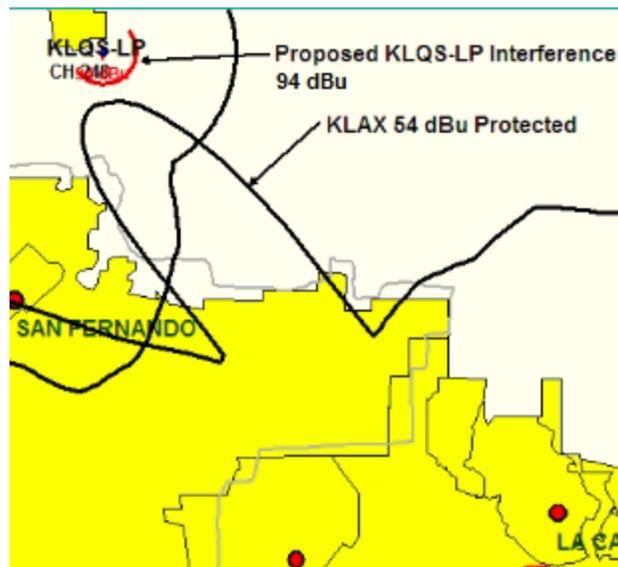
A Phelps-Dodge Ring Stub/Dipole (the worst possible downwards radiation scenario) was used to gauge the maximum RF for the proposal in OET program FM Model for Windows because the desired antenna was not included in the software. This demonstrates a peak exposure of $80.4 \mu\text{W}/\text{cm}^2$ 0.14 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)).