

City of License Coverage

The community of license for KSOQ-FM is Escondido, CA. The city of Escondido contains an area of 97.68 sq. km* and has a population of 144,503* persons (see Exhibits 16A). The proposed facility's 70dBu F(50,50) contour covers 87.05 sq. km and 144,385 persons (see Exhibits 16B) within the city limits of City. The chart below shows the percentages of both area and population covered within the city limits of Escondido covered by the proposed KSOQ-FM facility.

	City of Escondido	KSOQ-FM Proposed	Percentage of Coverage
Area	97.68	87.05	89.12%
Population	144,503	144,385	99.92%

Thus, the facility proposed in this application meets the requirement to serve the community of license.

*Note - The city limits and population were calculated using the 2010 Census data as rendered by V-Soft Communications program Probe 4.

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Exhibit 16A
Escondido, CA

City of License Area

Overlap Population Report
KSOQ-FM Proposed (221) / Escondido, CA

Overlap Area Type: Intersection
Areas Included:

KSOQ-FM Proposed (221): FCC F(50-50) 70.00 dBu (FCC HAAT)
PGON: Escondido, CA

Population Database: 2010 US Census (PL)

Total Population: 144,385
Overlap Area: 87.05 sq. km

Area Description	Total Population	Total Area [sq. km]	Percent Population	Percent Area
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KSOQ-FM Proposed (221): FCC	673,889	793.44	21.4 %	11.0 %
PGON: Escondido, CA	144,503	97.68	99.9 %	89.1 %

*Note - The city limits and population were calculated using the 2010 Census data as rendered by V-Soft Communications program Probe 4.

Exhibit 16B
Community of License Coverage

KSOQ-FM Proposed
BLH19970814KB
Latitude: 33-06-31.80 N
Longitude: 117-09-15.40 W
ERP: 0.47 kW
Channel: 221
Frequency: 92.1 MHz
AMSL Height: 536.0 m
Elevation: 524.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

