

### **City of License Coverage**

The community of license for KARQ is Redding, Ca. The city of Redding contains an area of 157.57 sq. km\* and has a population of 89,491\* persons (see Exhibits 16-A). The proposed facility's 60 dBu F(50,50) contour covers 145.68 sq. km and 88,999 persons (see Exhibits 16-B) within the city limits of City. The chart below shows the percentages of both area and population covered within the city limits of Redding covered by the proposed KARQ facility.

	City of Redding	KARQ Proposed	Percentage of Coverage
Area	157.57	145.68	92.45%
Population	89,491	88,999	99.45%

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*  
*Redding, Ca*

### City of License Area

Overlap Population Report  
KARQ ASR 1047894 (217) / Redding, CA (2/4)

Overlap Area Type: Intersection  
Areas Included:

KARQ ASR 1047894 (217): FCC F(50-50) 60.00 dBu (FCC HAAT)  
PGON: Redding, CA (2/4)

Population Database: 2010 US Census (PL)

Total Population: 88,999  
Housing Units: 38,270  
Overlap Area: 145.68 sq. km

Area Description	Total Population	Total Area [sq. km]	Percent Population	Percent Area
KARQ ASR 1047894 (217): FCC F	113,627	652.6	78.3 %	22.3 %
PGON: Redding, CA (2/4)	89,491	157.57	99.5 %	92.5 %

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

## Exhibit 15 - Community of License Coverage

KARQ ASR 1047894

Latitude: 40-39-15.50 N

Longitude: 122-31-11.90 W

ERP: 0.11 kW

Channel: 217

Frequency: 91.3 MHz

AMSL Height: 973.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: None

