

**January 2018
KGGN(FM) Channel 273A
Hemet, California
NCE Reserved Allotment Application**

Background

The instant application proposes to modify the original construction permit for FM station KGGN on Channel 273A at Hemet, California. This construction permit was granted as a result of the February 2010 filing window for vacant FM allotments reserved for noncommercial educational use.

The FCC Public Notice which announced the filing window (DA 09-2220, released on October 16, 2009) identified the Hemet Channel 273A allotment with a double asterisk, meant to signify that the allotment had been reserved by means of the third reservation test, i.e. that it would provide a first or second NCE radio service to a) at least ten percent of the population within the 60 dBu contour and b) at least 2000 persons. The Public Notice further advised that applications for such allotments must also provide such service.

The required showing was submitted by the successful applicant, the First Baptist Church of Hemet ("FBCH"), and a construction permit was granted as BNPED-20100225AAP.

By the instant application, FBCH proposes to modify its construction permit for the Hemet station, with no change in site coordinates or antenna pattern, by increasing the antenna height by 10 meters with a commensurate reduction in main lobe ERP from 4.7 kW to 4.3 kW. This clearly meets the requirement in BNPED-20100225AAP that the station must operate with "substantially the same technical facilities proposed". This can be ascertained by simple review of the attached "60 dBu Contour Comparison" map exhibit.

Additionally, the proposed 60 dBu contour has been plotted in relationship to the contours of nearby NCE stations as they existing at the time of the February 2010 filing window. (The exhibit from BNPED-20100225AAP was referenced to determine the NCE stations which existed at the time.) This is shown on the attached "NCE Service Map" exhibit. The following table lists the population served by the proposed facility, along with the populations which will receive their first or second NCE service as a result of the grant of the instant application. Population figures have been updated to the 2010 Census values.

Proposed	Population (2010 Census)
60 dBu	696,005
1 st NCE Service	4,245 0.61%
2 nd NCE Service	206,129 29.62%

The total first and second NCE service from KGGN under this scenario is 210,374 persons, which is 30.23% of the population served.



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

FIRST BAPTIST CHURCH OF HEMET
26085 GIRARD ST.
HEMET CA 92544

Rodolfo F. Bonacci
Assistant Chief
Audio Division
Media Bureau

Facility ID: 184593

Grant Date: March 16, 2015

Call Sign: KGGN

This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

Permit File Number: BNPED-20100225AAP

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: FIRST BAPTIST CHURCH OF HEMET

Station Location: CA-HEMET

Frequency (MHz): 102.5

Channel: 273

Class: A

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Directional

Antenna Coordinates: North Latitude: 33 deg 35 min 26 sec
 West Longitude: 116 deg 56 min 23 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	4.7	4.7
Height of radiation center above ground (Meters):	20	20
Height of radiation center above mean sea level (Meters):	816	816
Height of radiation center above average terrain (Meters):	108	108

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 30 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

None Required

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- 2 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.

Special operating conditions or restrictions:

- 3 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee must submit a certification executed by a licensed surveyor showing that the FM directional antenna system has been oriented at the azimuth(s) specified in the directional antenna proof of performance. This certification must include a description of the method used by the surveyor to determine the azimuth(s) of the installed directional antenna system and the accuracy of that determination.
- 4 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualifications of the certifying engineer.
- 5 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must submit an exhibit demonstrating that the measured directional antenna pattern complies with the appropriate community coverage provisions of 47 C.F.R. Sections 73.315 or 73.515 (See 47 C.F.R. Section 73.316(c) (2) (ix) (B)).
- 6 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit.

A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:

4.7 kilowatts.

Principal minima and their associated field strength limits:

180 degrees True: 0.150 kilowatt

- 7 Pursuant to 47 CFR Section 73.7005(a) the permittee/licensee shall be subject to a holding period. From the grant of the construction permit and continuing until the facility has achieved four years of on-air operations, the permittee/licensee proposing to assign or transfer the construction permit/license to another party will be required to demonstrate the following two factors: that the proposed buyer would qualify for at least the same number of points as the assignor or transferor originally received; and that consideration received and/or promised does not exceed the assignor's or transferor's legitimate and prudent expenses as defined therein.
- 8 The channel authorized herein has been reserved solely for noncommercial educational use pursuant to 47 C.F.R. 73.202(a) (1) (ii). The technical facilities specified in this authorization meet that Rule's required levels of first and second noncommercial educational service. Accordingly, the permittee/licensee must construct and operate with substantially the same technical facilities proposed.

Special operating conditions or restrictions:

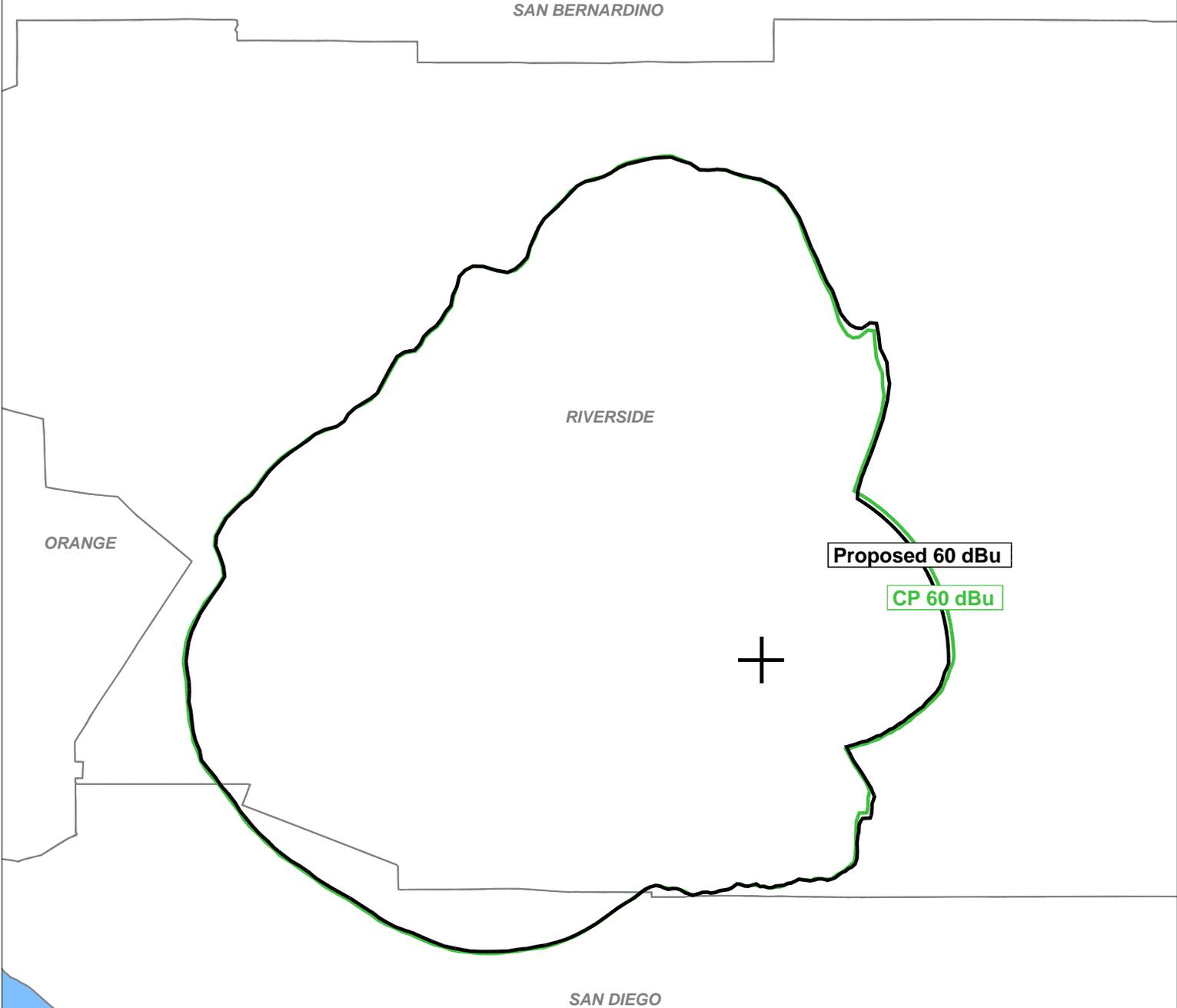
- 9 This application is being granted prior to the completion of the international notification process. Therefore, any construction of and operation with the facilities specified herein is at applicant's own risk and subject to modification, suspension or termination without right to hearing, if objected to by the Instituto Federal de Telecomunicaciones ("IFT") in Mexico or if found by the Commission or the IFT to be necessary in order to conform to the 1992 USA-Mexico FM Broadcasting Agreement. This condition will be removed if formal acceptance of the facilities granted herein is received from IFT.

- 10 Permittee has specified use of the antenna listed below to demonstrate compliance with the FCC radiofrequency electromagnetic field exposure guidelines. If any other type or size of antenna is to be used with the facilities authorized herein, THE AUTOMATIC PROGRAM TEST PROVISIONS OF 47 C.F.R. SECTION 73.1620 WILL NOT APPLY. In this case, a FORMAL REQUEST FOR PROGRAM TEST AUTHORITY must be filed in conjunction with FCC Form 302-FM, application for license, BEFORE program tests will be authorized. The request must include a revised RF field showing to demonstrate continued compliance with the FCC guidelines.

ERI rototiller (EPA Type 3), two sections, 0.5 wavelength spaced

*** END OF AUTHORIZATION ***

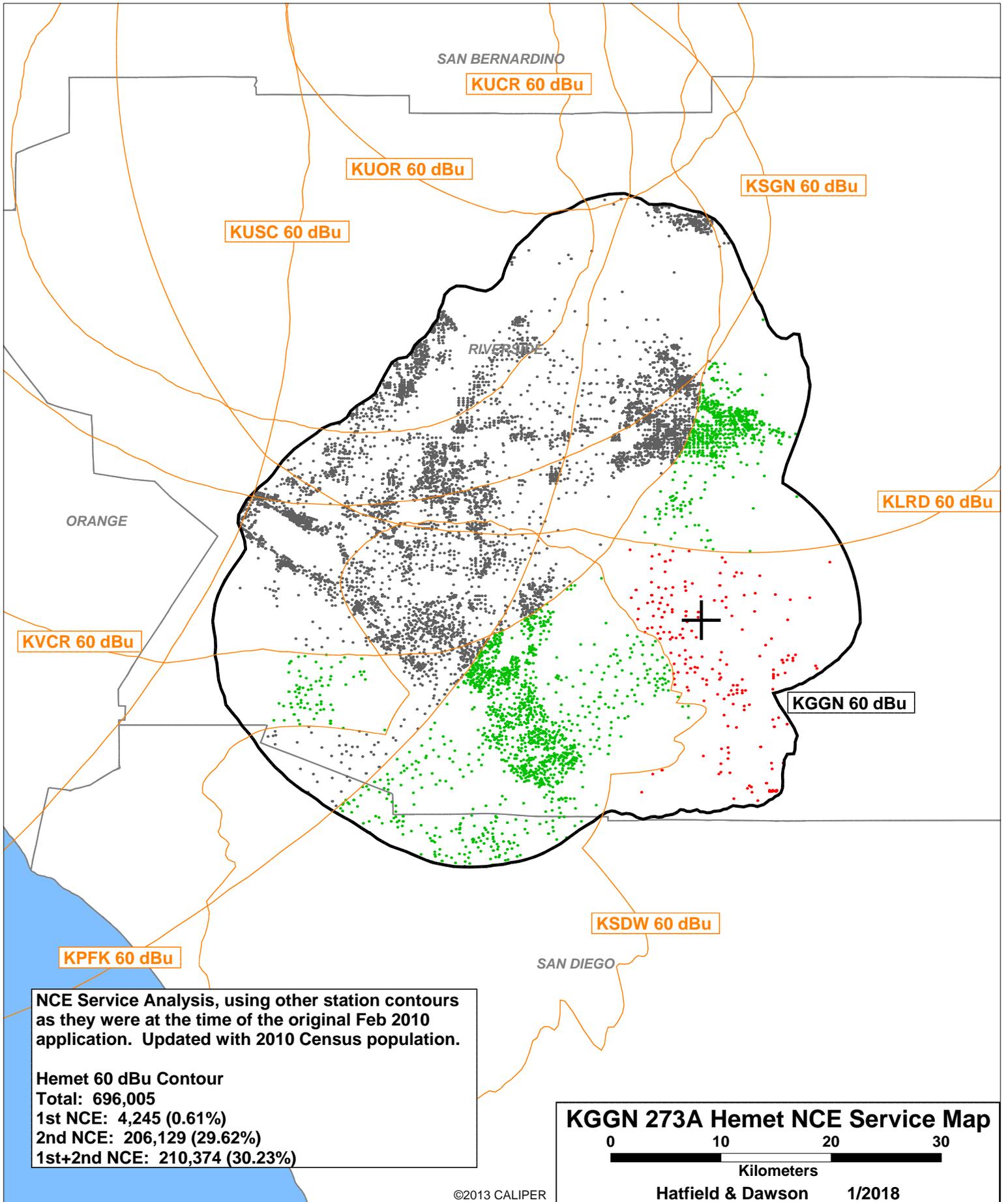
It is clear from inspection of this map exhibit that the proposed KGGN facility (black contour) would operate with substantially the same technical facilities as authorized in the Construction Permit (green contour).



KGGN 273A Hemet 60 dBu Contour Comparison

0 15 30 45
Kilometers

©2013 CALIPER Hatfield & Dawson 1/2018



NCE Service Analysis, using other station contours as they were at the time of the original Feb 2010 application. Updated with 2010 Census population.

Hemet 60 dBu Contour
 Total: 696,005
 1st NCE: 4,245 (0.61%)
 2nd NCE: 206,129 (29.62%)
 1st+2nd NCE: 210,374 (30.23%)

KGCN 273A Hemet NCE Service Map

0 10 20 30

Kilometers

Hatfield & Dawson 1/2018