

Federal Communications Commission Washington, D.C. 20554 <p style="text-align: center;">FCC 349</p>	Approved by OMB 3060-0405 (March 2001) FOR FCC USE ONLY
<p>APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN AN FM TRANSLATOR OR FM BOOSTER STATION</p> <p>Read INSTRUCTIONS Before Filling Out Form</p>	FOR COMMISSION USE ONLY FILE NO. BNPFTB - 20080917ACK

Section I - General Information

1.	Legal Name of the Applicant PASADENA AREA COMMUNITY COLLEGE DISTRICT Mailing Address 1570 E. COLORADO BLVD. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">City PASADENA</td> <td style="width:30%;">State or Country (if foreign address) CA</td> <td style="width:20%;">ZIP Code 91106 -</td> </tr> <tr> <td>Telephone Number (include area code) 6265857201</td> <td colspan="2">E-Mail Address (if available) FCCFILING@MPR.ORG</td> </tr> <tr> <td>FCC Registration Number: 0005085204</td> <td>Call Sign</td> <td>Facility Identifier 178427</td> </tr> </table>	City PASADENA	State or Country (if foreign address) CA	ZIP Code 91106 -	Telephone Number (include area code) 6265857201	E-Mail Address (if available) FCCFILING@MPR.ORG		FCC Registration Number: 0005085204	Call Sign	Facility Identifier 178427
City PASADENA	State or Country (if foreign address) CA	ZIP Code 91106 -								
Telephone Number (include area code) 6265857201	E-Mail Address (if available) FCCFILING@MPR.ORG									
FCC Registration Number: 0005085204	Call Sign	Facility Identifier 178427								
2.	Contact Representative (if other than Applicant) JOHN CRIGLER Mailing Address 1000 POTOMAC ST. NW FIFTH FLOOR <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">City WASHINGTON</td> <td style="width:40%;">State or Country (if foreign address) DC</td> <td style="width:30%;">ZIP Code 20007 -</td> </tr> <tr> <td>Telephone Number (include area code) 2022982521</td> <td colspan="2">E-Mail Address (if available) JCRIGLER@GBSLAW.COM</td> </tr> </table>	City WASHINGTON	State or Country (if foreign address) DC	ZIP Code 20007 -	Telephone Number (include area code) 2022982521	E-Mail Address (if available) JCRIGLER@GBSLAW.COM				
City WASHINGTON	State or Country (if foreign address) DC	ZIP Code 20007 -								
Telephone Number (include area code) 2022982521	E-Mail Address (if available) JCRIGLER@GBSLAW.COM									
3.	If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input checked="" type="radio"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other <input type="radio"/> N/A (Fee Required)									
4.	Facility information: a. <input type="radio"/> FM Translator <input checked="" type="radio"/> FM Booster b. Community or communities to which the proposed facility will be licensed: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;">Community(ies)</th> <th style="width:50%;">State</th> </tr> </thead> <tbody> <tr> <td>SANTA CLARITA</td> <td>CA</td> </tr> </tbody> </table>	Community(ies)	State	SANTA CLARITA	CA					
Community(ies)	State									
SANTA CLARITA	CA									
5.	<p>Application Purpose</p> <table style="width:100%;"> <tr> <td><input checked="" type="radio"/> New station</td> <td><input type="radio"/> Major Modification of construction permit</td> </tr> <tr> <td><input type="radio"/> Major Change in licensed facility</td> <td><input type="radio"/> Minor Modification of construction permit</td> </tr> <tr> <td><input type="radio"/> Minor Change in licensed facility</td> <td><input type="radio"/> Major Amendment to pending application</td> </tr> <tr> <td></td> <td><input type="radio"/> Minor Amendment to pending application</td> </tr> </table> <p>a. File number of original construction permit: _____</p> <p>If an amendment, submit as an Exhibit a listing by Section and Question Number the portions [Exhibit 1] of the pending application that are being revised.</p>	<input checked="" type="radio"/> New station	<input type="radio"/> Major Modification of construction permit	<input type="radio"/> Major Change in licensed facility	<input type="radio"/> Minor Modification of construction permit	<input type="radio"/> Minor Change in licensed facility	<input type="radio"/> Major Amendment to pending application		<input type="radio"/> Minor Amendment to pending application	
<input checked="" type="radio"/> New station	<input type="radio"/> Major Modification of construction permit									
<input type="radio"/> Major Change in licensed facility	<input type="radio"/> Minor Modification of construction permit									
<input type="radio"/> Minor Change in licensed facility	<input type="radio"/> Major Amendment to pending application									
	<input type="radio"/> Minor Amendment to pending application									

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided. See General Instruction J.

Section II - Legal

1.	<p>Certification. Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>									
2.	<p>Applicant is:</p> <table border="1" style="width:100%"> <tr> <td><input type="radio"/> an individual</td> <td><input type="radio"/> a general partnership</td> <td><input type="radio"/> a for-profit corporation</td> </tr> <tr> <td><input type="radio"/> a limited partnership</td> <td><input type="radio"/> a not-for-profit corporation</td> <td><input type="radio"/> a limited liability company (LLC/LC)</td> </tr> <tr> <td colspan="3"><input checked="" type="radio"/> other</td> </tr> </table> <p>a. If "other", describe nature of applicant in an Exhibit. [Exhibit 2]</p>	<input type="radio"/> an individual	<input type="radio"/> a general partnership	<input type="radio"/> a for-profit corporation	<input type="radio"/> a limited partnership	<input type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)	<input checked="" type="radio"/> other			
<input type="radio"/> an individual	<input type="radio"/> a general partnership	<input type="radio"/> a for-profit corporation									
<input type="radio"/> a limited partnership	<input type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)									
<input checked="" type="radio"/> other											
3.	<p>a. Applicant certifies that it is not the licensee or permittee of the commercial primary station being rebroadcast and that neither it nor any parties to the application have any interest in or connection with the commercial primary station being rebroadcast? See 47 C.F.R. Section 74.1232(d).</p> <p>b. Applicant certifies that the coverage contour of the translator station will not extend beyond the protected contour of the commercial primary station being rebroadcast.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A</p> <p>See Explanation in [Exhibit 3]</p> <p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A</p> <p>See Explanation in [Exhibit 4]</p>									
<p>NOTE: If No to a. and b., and no waiver has been requested in an Exhibit, this application is unacceptable for filing. See 47 C.F.R. Section 74.1232(d).</p> <p>If No to a. and Yes to b. applicant is prohibited from receiving any support, before or after construction, either directly or indirectly from the commercial primary station being rebroadcast or from any person or entity having any interest whatsoever, or any connection with the primary FM station. Interested and connected parties include group owners, corporate parents, shareholders, officers, directors, employees, general and limited partners, family members and business associates. See 47 C.F.R. Section 74.1232(e).</p>											
4.	<p>The applicant, if for a commercial FM translator station with a coverage contour extending beyond the protected contour of the commercial primary station being rebroadcast, certifies that it has not received any support, before or after constructing, directly or indirectly, from the licensee/permittee of the primary station or any person with an interest in or connection with the licensee or permittee of the primary station, except for technical assistance as provided for under 47 C.F.R. Section 74.1232(e).</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A</p> <p>See Explanation in [Exhibit 5]</p>									
5.	<p>For applicants proposing translator rebroadcasts that are not the licensee of the primary station, the applicant certifies that written authority has been obtained from the licensee of the station whose programs are to be retransmitted. If No, this application is unacceptable for filing.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A</p>									
6.	<p>Character Issues. Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with:</p> <p>a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or</p> <p>b. any pending broadcast application in which character issues have been raised.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 6]</p>									
7.	<p>Adverse Findings. Applicant certifies that, with respect to the applicant , any party to the</p>										

	<p>application, and any non-party equity owner in the applicant, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination.</p> <p>If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and a description of the disposition of the matter. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 C.F.R. Section 1.65, the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and date of filing; and (ii) the disposition of the previously reported matter.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 7]</p>
8.	<p>Alien Ownership and Control. Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 8]</p>
9.	<p>Program Service Certification. Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
10.	<p>Local Public Notice. Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
11.	<p>Auction Authorization. If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.</p> <p>An exhibit is required unless this question is inapplicable.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p> <p>See Explanation in [Exhibit 9]</p>
12.	<p>Anti-Drug Abuse Act Certification. Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
13.	<p>Equal Employment Opportunity (EEO). If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p>

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

<p>Typed or Printed Name of Person Signing DR. PAULETTE PERFUMO</p>	<p>Typed or Printed Title of Person Signing PRESIDENT, PASADENA AREA COMMUNITY COLLEGE DISTRICT</p>
<p>Signature</p>	<p>Date 9/17/2008</p>

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name DOUG VERNIER		Relationship to Applicant (e.g., Consulting Engineer) ENGINEERING CONSULTANT	
Signature		Date 8/26/2008	
Mailing Address TELECOMMUNICATIONS CONSULTANTS 721 WEST 1ST STREET, SUITE A			
City CEDAR FALLS		State or Country (if foreign address) IA	Zip Code 50613 -
Telephone Number (include area code) 3192668402		E-Mail Address (if available) DVERNIER@V-SOFT.COM	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Unable to find table

Section III-A - Engineering				
TECHNICAL SPECIFICATIONS				
Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.				
TECH BOX				
1.	Channel: 207			
2.	Primary Station:			
	Facility Identifier	Call Sign	City	State
	51701	KPCC	PASADENA	CA
3.	Delivery Method (Select One): <input type="radio"/> Off-air <input type="radio"/> Microwave <input type="radio"/> Satellite <input type="radio"/> Via <input checked="" type="radio"/> Other			
4.	Antenna Location Coordinates: (NAD 27)			
	Latitude: Degrees 34 Minutes 23 Seconds 10 <input checked="" type="radio"/> North <input type="radio"/> South			
	Longitude: Degrees 118 Minutes 19 Seconds 42 <input checked="" type="radio"/> West <input type="radio"/> East			
5.	Antenna Structure Registration Number: 1051039 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA			
6.	Antenna Location Site Elevation Above Mean Sea Level:			1477 meters
7.	Overall Tower Height Above Ground Level:			29 meters
8.	Height of Radiation Center Above Ground Level:			13 meters(H) 13 meters(V)
9.	Effective Radiated Power:			0.009 kW(H) 0.009 kW(V)
10.	Transmitting Antenna: Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under CDBS Public Access (http://fjallfoss.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm). Make sure that the Standard Pattern is marked Yes and that the relative field values shown match your values. Enter the Manufacturer (Make) and Model exactly as displayed in the Antenna Search. <input type="radio"/> Nondirectional <input checked="" type="radio"/> Directional "Off-the-shelf" <input type="radio"/> Directional composite Manufacturer SCA Model CA5-FM/CP/RM Rotation:246degrees <input type="checkbox"/> No Rotation			

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0		10		20		30		40		50	
60		70		80		90		100		110	
120		130		140		150		160		170	
180		190		200		210		220		230	
240		250		260		270		280		290	
300		310		320		330		340		350	
Additional Azimuths											

Relative Field Polar Plot

11.	For FM Boosters and Fill-in translators only. Applicant certifies that the proposal is for a fill-in translator or booster station entirely within the primary station's protected contour.	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
		See Explanation in [Exhibit 10];
12.	Interference. The proposed facility complies with all of the following applicable rule sections. Check all that apply: Overlap Requirements. <input type="checkbox"/> a) 47 C.F.R. Section 74.1204 Exhibit Required. Television Channel 6 Protection. <input type="checkbox"/> b) 47 C.F.R. Section 74.1205 with respect to station(s) Exhibit Required.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 11] [Exhibit 12] [Exhibit 13]
13.	Unattended operation. Applicant certifies that unattended operation is not proposed, or if this application proposes unattended operation, the applicant certifies that it will comply with the requirements of 47 C.F.R. Section 74.1234.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 14]
14.	Multiple Translators. Applicant certifies that it does not have any interest in an application or an authorization for an FM translator station that serves substantially the same area and rebroadcasts the same signal as the proposed FM translator station.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 15]
15.	Environmental Protection Act. Applicant certifies that the proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., the facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an Exhibit is required. By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 16]
<p>PREPARER'S CERTIFICATION ON PAGE 4 MUST BE COMPLETED AND SIGNED.</p>		

Section IV -- Noncommercial Educational Point System Factors - -New and Major Change Applications on Reserved Channels Only (used to select among mutually exclusive applications for new stations and major modifications) **NOTE:**

Applicants will not received any additional points for amendments made after the close of the application filing window.

Preliminary Matter: Does this application provide fill-in service only?		<input type="radio"/> Yes <input type="radio"/> No
1.	Established Local Applicant: Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R. Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
2.	Diversity of Ownership: Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized radio station (including AM, FM, and non-fill-in FM translator stations, commercial or noncommercial) in which any party to the application has an attributable interest as defined in 47 C.F.R. Section 73.3555, that its governing documents require that such diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
3.	State-wide Network: Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above; (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b)(3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
4.	Technical Parameters: Applicant certifies that the numbers in the boxes below accurately reflect the new (increased) area and population that its proposal would serve with a 60 dBu signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include the area of proposed increase only (exclude the station's existing service area). (Points, if any, will be determined by FCC)	<input type="radio"/> Yes <input type="radio"/> No
	New (increased) area served in square kilometers (excluding areas of water):	
	Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:	
Tie Breakers		
5.	Existing Authorizations. a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of relevant broadcast stations. FM translator applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial and FM translator stations other than fill-in stations. (number of attributable commercial and non-commercial licenses and construction permits) b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of FM translators.	
6.	Pending Applications. a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, pending applications for new or major changes to the following number of relevant broadcast stations, AM and FM, commercial and non-commercial and FM translator stations other than fill-in stations. (number of attributable commercial and non-commercial applications) b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date of filing, existing authorizations for the following number of FM translators.	

Section VI -- Certification

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I
--

hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing DR. PAULETTE PERFUMO	Typed or Printed Title of Person Signing PRESIDENT
Signature	Date 9/17/2008

Exhibits

Exhibit 2

Description: EXH. 2 / NATURE OF APPLICANT

THE APPLICANT IS A NONPROFIT EDUCATIONAL INSTITUTION.

Attachment 2

Exhibit 10

Description: COVERAGE AND ANTENNA EXHIBIT

THE OFF-THE-SHELF SCALA CA5-150/CP/RM ANTENNA WILL BE ORIENTED AT 246 DEGREES TRUE NORTH.

Attachment 10

Description
Coverage and Antenna Exhibit

Exhibit 16

Description: ENVIRONMENTAL PROTECTION

BOOSTER FACILITY OPERATING WITH 9 WATTS ERP IS CATEGORICALLY EXEMPTED.

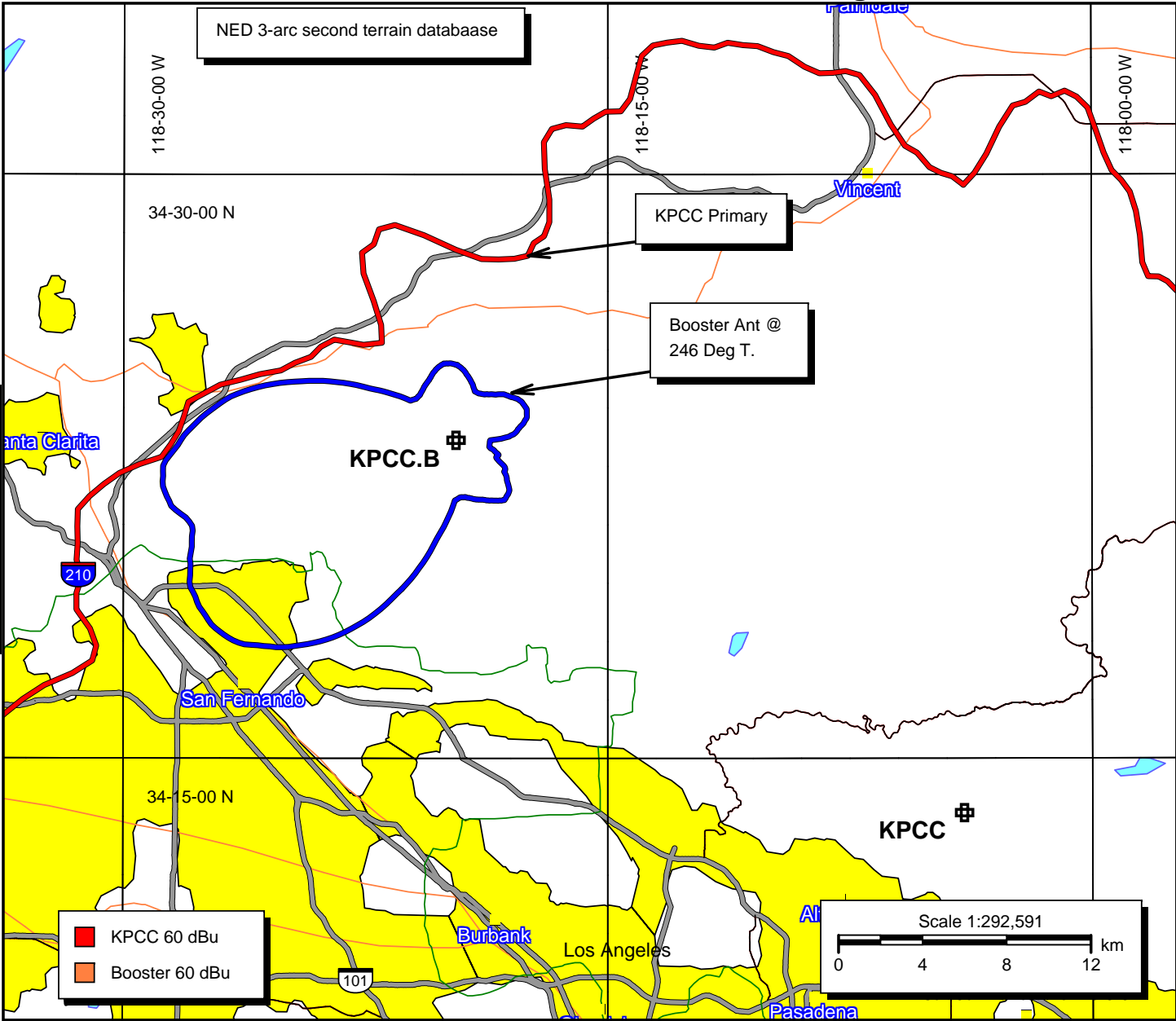
Attachment 16

60 dBu Coverage Contours Shown

NED 3-arc second terrain database

KPCC
 BMLED20011128ACS
 Latitude: 34-13-36 N
 Longitude: 118-03-58 W
 ERP: 0.60 kW
 Channel: 207
 Frequency: 89.3 MHz
 AMSL Height: 1783.0 m
 Horiz. Pattern: Omni
 Prop Model: FCC

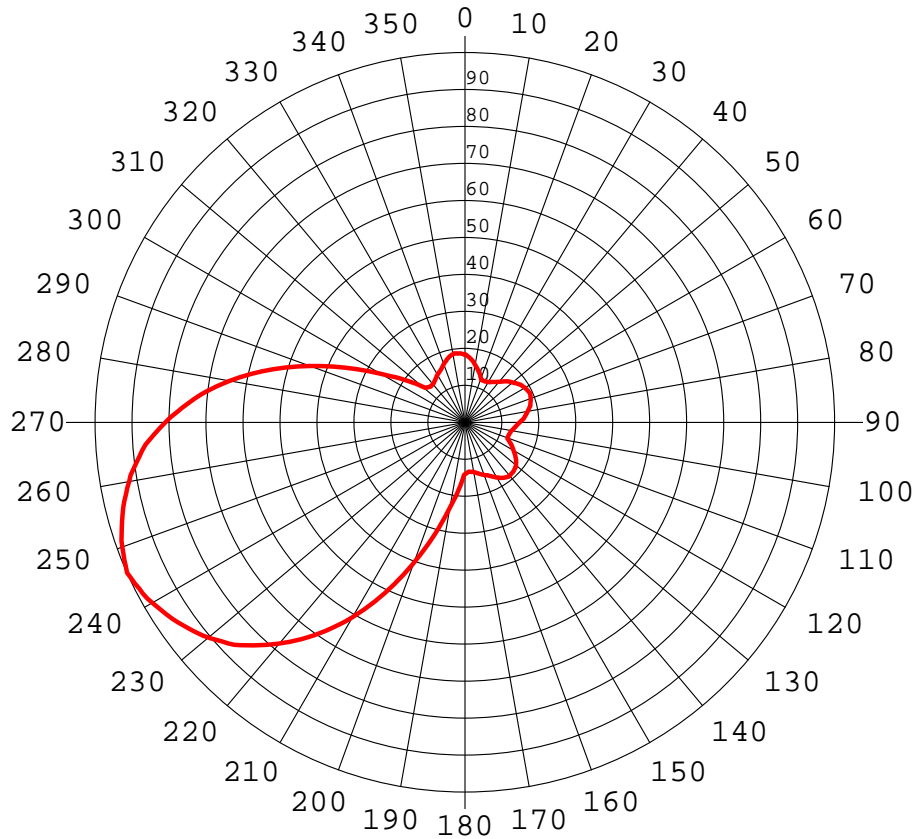
KPCC.B
 Latitude: 34-23-10.40 N
 Longitude: 118-19-42.20 W
 ERP: 0.009 kW
 Channel: 207
 Frequency: 89.3 MHz
 AMSL Height: 1490.0 m
 Horiz. Pattern: Directional
 Prop Model: FCC



■ KPCC 60 dBu
■ Booster 60 dBu

Scale 1:292,591
 0 4 8 12 km

Scala CA5-FM/CP/RM & 246 Deg True North



Azi	Rel	dBk	kW	dB	Azi	Rel	dBk	kW	dB
0	1.000	0.00	1.000	0.00	180	0.193	-14.29	0.037	-14.29
10	0.952	-0.43	0.906	-0.43	190	0.182	-14.80	0.033	-14.80
20	0.866	-1.25	0.750	-1.25	200	0.160	-15.92	0.026	-15.92
30	0.718	-2.88	0.516	-2.88	210	0.135	-17.39	0.018	-17.39
40	0.528	-5.55	0.279	-5.55	220	0.123	-18.20	0.015	-18.20
50	0.329	-9.66	0.108	-9.66	230	0.140	-17.08	0.020	-17.08
60	0.190	-14.42	0.036	-14.42	240	0.171	-15.34	0.029	-15.34
70	0.134	-17.46	0.018	-17.46	250	0.187	-14.56	0.035	-14.56
80	0.142	-16.95	0.020	-16.95	260	0.181	-14.85	0.033	-14.85
90	0.157	-16.08	0.025	-16.08	270	0.157	-16.08	0.025	-16.08
100	0.181	-14.85	0.033	-14.85	280	0.142	-16.95	0.020	-16.95
110	0.187	-14.56	0.035	-14.56	290	0.134	-17.46	0.018	-17.46
120	0.171	-15.34	0.029	-15.34	300	0.190	-14.42	0.036	-14.42
130	0.140	-17.08	0.020	-17.08	310	0.329	-9.66	0.108	-9.66
140	0.123	-18.20	0.015	-18.20	320	0.528	-5.55	0.279	-5.55
150	0.135	-17.39	0.018	-17.39	330	0.718	-2.88	0.516	-2.88
160	0.160	-15.92	0.026	-15.92	340	0.866	-1.25	0.750	-1.25
170	0.182	-14.80	0.033	-14.80	350	0.952	-0.43	0.906	-0.43

Rotation Angle = 246

N. Lat. = 342310.4 W. Lng. = 1181942.2
HAAT and Distance to Contour - FCC Method - NED 03 SEC

KPCC	Booster	60 dBu	Relevant	Arc			
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	
246	822.9	667.1	0.0090	-20.46	1.000	13.95	
247	838.1	651.9	0.0089	-20.50	0.996	13.76	
248	850.1	639.9	0.0088	-20.53	0.991	13.60	
249	854.5	635.5	0.0088	-20.57	0.987	13.52	
250	865.2	624.8	0.0087	-20.61	0.983	13.37	
251	874.3	615.7	0.0086	-20.65	0.978	13.24	
252	872.6	617.4	0.0085	-20.69	0.974	13.21	
253	859.8	630.2	0.0085	-20.72	0.970	13.31	
254	845.0	645.0	0.0084	-20.76	0.965	13.41	
255	818.0	672.0	0.0083	-20.80	0.961	13.63	
256	790.7	699.3	0.0082	-20.84	0.957	13.82	
257	761.2	728.8	0.0082	-20.88	0.952	14.01	
258	746.4	743.6	0.0080	-20.96	0.943	14.03	
259	726.4	763.6	0.0079	-21.04	0.935	14.08	
260	703.7	786.3	0.0077	-21.12	0.926	14.13	
261	681.8	808.2	0.0076	-21.20	0.918	14.16	
262	664.7	825.3	0.0074	-21.29	0.909	14.15	
263	653.2	836.8	0.0073	-21.37	0.900	14.11	
264	632.4	857.6	0.0072	-21.45	0.892	14.11	
265	618.8	871.2	0.0070	-21.54	0.883	14.08	
266	622.0	868.0	0.0069	-21.62	0.875	13.95	
267	630.2	859.8	0.0067	-21.71	0.866	13.81	
268	635.3	854.7	0.0065	-21.86	0.851	13.60	
269	640.9	849.1	0.0063	-22.01	0.836	13.39	
270	635.0	855.0	0.0061	-22.16	0.822	13.24	
271	626.6	863.4	0.0059	-22.32	0.807	13.09	
272	623.7	866.3	0.0056	-22.48	0.792	12.91	
273	626.9	863.1	0.0054	-22.65	0.777	12.71	
274	622.2	867.8	0.0052	-22.81	0.762	12.53	
275	620.0	870.0	0.0050	-22.98	0.748	12.35	
276	619.8	870.2	0.0048	-23.16	0.733	12.16	
277	612.9	877.1	0.0046	-23.34	0.718	11.99	
278	601.2	888.8	0.0044	-23.57	0.699	11.77	
279	587.2	902.8	0.0042	-23.81	0.680	11.56	
280	575.2	914.8	0.0039	-24.05	0.661	11.34	
281	566.6	923.4	0.0037	-24.31	0.642	11.10	
282	561.3	928.7	0.0035	-24.57	0.623	10.84	
283	556.6	933.4	0.0033	-24.84	0.604	10.58	
284	557.8	932.2	0.0031	-25.11	0.585	10.30	
285	561.9	928.1	0.0029	-25.40	0.566	10.01	
286	564.0	926.0	0.0027	-25.70	0.547	9.73	
287	566.3	923.7	0.0025	-26.00	0.528	9.44	
288	563.5	926.5	0.0023	-26.34	0.508	9.15	
289	564.0	926.0	0.0021	-26.69	0.488	8.84	
290	563.5	926.5	0.0020	-27.05	0.468	8.53	
291	565.3	924.7	0.0018	-27.42	0.448	8.21	
292	570.0	920.0	0.0017	-27.82	0.428	7.89	
293	573.3	916.7	0.0015	-28.23	0.409	7.57	
294	572.5	917.5	0.0014	-28.67	0.389	7.27	
295	578.9	911.1	0.0012	-29.12	0.369	6.95	
296	589.0	901.0	0.0011	-29.60	0.349	6.62	
297	598.6	891.4	0.0010	-30.11	0.329	6.28	
298	603.4	886.6	0.0009	-30.49	0.315	6.04	
299	609.8	880.2	0.0008	-30.88	0.301	5.79	
300	619.0	871.0	0.0007	-31.29	0.287	5.54	
301	618.9	871.1	0.0007	-31.72	0.273	5.28	
302	618.2	871.8	0.0006	-32.17	0.259	5.02	
303	622.3	867.7	0.0005	-32.65	0.246	4.75	

304	622.9	867.1	0.0005	-33.16	0.232	4.48
305	624.2	865.8	0.0004	-33.70	0.218	4.23
306	623.4	866.6	0.0004	-34.27	0.204	3.98
307	618.7	871.3	0.0003	-34.88	0.190	3.74
308	615.9	874.1	0.0003	-35.14	0.184	3.64
309	617.6	872.4	0.0003	-35.41	0.179	3.53
310	615.9	874.1	0.0003	-35.69	0.173	3.43
311	613.1	876.9	0.0003	-35.97	0.168	3.33
312	607.1	882.9	0.0002	-36.27	0.162	3.23
313	603.1	886.9	0.0002	-36.57	0.156	3.13
314	604.7	885.3	0.0002	-36.89	0.151	3.02
315	602.0	888.0	0.0002	-37.22	0.145	2.92
316	596.9	893.1	0.0002	-37.56	0.140	2.83
317	603.8	886.2	0.0002	-37.92	0.134	2.72
318	607.1	882.9	0.0002	-37.86	0.135	2.74
319	617.2	872.8	0.0002	-37.81	0.136	2.75
320	628.2	861.8	0.0002	-37.76	0.136	2.76

AMSL= 1490

N. Lat. = 341336.0 W. Lng. = 1180358.0
 HAAT and Distance to Contour - FCC Method - NED 03 SEC

KPCC - Primary , Pasadena Area Communi ty College, BMLED20011128ACS
 Azi . AV EL HAAT ERP kW dBk Fi el d 60-F5

Azi .	AV EL	HAAT	ERP kW	dBk	Fi el d	60-F5
270	836.0	947.0	0.6000	-2.22	1.000	49.81
271	861.7	921.3	0.6000	-2.22	1.000	49.27
272	891.5	891.5	0.6000	-2.22	1.000	48.62
273	921.2	861.8	0.6000	-2.22	1.000	47.91
274	940.8	842.2	0.6000	-2.22	1.000	47.41
275	972.7	810.3	0.6000	-2.22	1.000	46.56
276	998.3	784.7	0.6000	-2.22	1.000	45.83
277	1024.9	758.1	0.6000	-2.22	1.000	45.04
278	1054.7	728.3	0.6000	-2.22	1.000	44.13
279	1093.4	689.6	0.6000	-2.22	1.000	42.89
280	1118.6	664.4	0.6000	-2.22	1.000	42.06
281	1120.5	662.5	0.6000	-2.22	1.000	42.00
282	1106.9	676.1	0.6000	-2.22	1.000	42.44
283	1081.4	701.6	0.6000	-2.22	1.000	43.27
284	1075.9	707.1	0.6000	-2.22	1.000	43.45
285	1077.3	705.7	0.6000	-2.22	1.000	43.41
286	1063.3	719.7	0.6000	-2.22	1.000	43.85
287	1058.1	724.9	0.6000	-2.22	1.000	44.02
288	1049.7	733.3	0.6000	-2.22	1.000	44.28
289	1042.3	740.7	0.6000	-2.22	1.000	44.51
290	1052.6	730.4	0.6000	-2.22	1.000	44.19
291	1066.4	716.6	0.6000	-2.22	1.000	43.76
292	1082.0	701.0	0.6000	-2.22	1.000	43.26
293	1103.9	679.1	0.6000	-2.22	1.000	42.54
294	1129.1	653.9	0.6000	-2.22	1.000	41.71
295	1133.6	649.4	0.6000	-2.22	1.000	41.56
296	1135.9	647.1	0.6000	-2.22	1.000	41.48
297	1133.3	649.7	0.6000	-2.22	1.000	41.57
298	1129.2	653.8	0.6000	-2.22	1.000	41.71
299	1143.6	639.4	0.6000	-2.22	1.000	41.23
300	1157.3	625.7	0.6000	-2.22	1.000	40.77
301	1178.7	604.3	0.6000	-2.22	1.000	40.06
302	1197.7	585.3	0.6000	-2.22	1.000	39.41
303	1218.3	564.7	0.6000	-2.22	1.000	38.67
304	1227.7	555.3	0.6000	-2.22	1.000	38.31
305	1239.5	543.5	0.6000	-2.22	1.000	37.84
306	1241.9	541.1	0.6000	-2.22	1.000	37.74
307	1249.2	533.8	0.6000	-2.22	1.000	37.42
308	1278.3	504.7	0.6000	-2.22	1.000	36.17
309	1293.1	489.9	0.6000	-2.22	1.000	35.55
310	1279.7	503.3	0.6000	-2.22	1.000	36.11
311	1256.1	526.9	0.6000	-2.22	1.000	37.12
312	1227.0	556.0	0.6000	-2.22	1.000	38.34
313	1207.6	575.4	0.6000	-2.22	1.000	39.06
314	1211.3	571.7	0.6000	-2.22	1.000	38.93
315	1202.3	580.7	0.6000	-2.22	1.000	39.25

AMSL= 1783 M