

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0386 (July 2002)	FOR FCC USE ONLY
<b>Engineering STA</b>  Read Instructions/FAQ before filling out form		FOR COMMISSION USE ONLY FILE NO.
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**Section I - General Information**

1.	Legal Name of the Applicant CALIFORNIA OREGON BROADCASTING, INC.		
	Mailing Address P.O. BOX 1489		
	City MEDFORD	State or Country (if foreign address) OR	Zip Code 97501 -
	Telephone Number (include area code) 5417795555		E-Mail Address (if available) ADMIN@KOB15.COM
	FCC Registration No	Call Sign K34BV	Facility ID Number 8270
2.	Contact Representative (if other than licensee/permittee) MARNIE K. SARVER, ESQ.		Firm or Company Name WILEY REIN & FIELDING LLP
	Mailing Address 1776 K STREET, NW		
	City WASHINGTON	State or Country (if foreign address) DC	ZIP Code 20006 -
	Telephone Number (include area code) 2027194289		E-Mail Address (if available) MSARVER@WRF.COM
3.	Purpose:		
	<input checked="" type="radio"/> Engineering STA		
	<input type="radio"/> Extension of Existing Engineering STA		
	<input type="radio"/> Legal STA		
	<input type="radio"/> Extension of Existing Legal STA		
4.	Service: TX		
5.	Community of License: City: MURPHY, ETC.    State: OR		
6.	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 type="radio"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other		

**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**

7.1.	Channel: 34
7.2.	Frequency Offset: <input type="radio"/> No offset <input type="radio"/> Zero offset <input checked="" type="radio"/> Plus offset <input type="radio"/> Minus offset
7.3.	Translator Input Channel No. : 5
7.4.	Antenna Location Coordinates: (NAD 27) Latitude:

	Degrees 42 Minutes 24 Seconds 43 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 123 Minutes 16 Seconds 54 <input checked="" type="radio"/> West <input type="radio"/> East											
7.5.	Antenna Structure Registration Number: 1229002 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA											
7.6.	Antenna Location Site Elevation Above Mean Sea Level:                      833.9    meters											
7.7.	Overall Tower Height Above Ground Level:    38.1    meters											
7.8.	Height of Radiation Center Above Ground Level:    4    meters											
7.9.	Maximum Effective Radiated Power (ERP) Towards Radio Horizon:    0.102    kW											
7.10.	Maximum ERP in any Horizontal and Vertical Angle:    0.102    kW											
7.11	<b>Transmitting Antenna:</b> Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under CDBS Public Access ( <a href="http://svartifoss2.fcc.gov/prod/cdbb/pubacc/prod/cdbb_pa.htm">http://svartifoss2.fcc.gov/prod/cdbb/pubacc/prod/cdbb_pa.htm</a> ). 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 CL-1483											
	Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> N/A (Nondirectional or Directional "Off-the-shelf")  Rotation (Degrees): 235 <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											
8.	Please explain in detail the "extraordinary circumstances" which warrant temporary operations at variance from the Commission's Rules. In addition, please specify 1) the specific rules and/or policies from which the applicant seeks temporary relief; 2) how the public interest will be furthered by grant; and 3) the expected duration of the STA and the licensee's plan for restoration of licensed operation. If requesting variance with other than authorized technical facilities, please specify the exact facilities sought.										[Exhibit 22]	
9.	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.										<input checked="" type="radio"/> Yes <input type="radio"/> No	

I certify that I have prepared 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 D. SCOTT TURPIE	Relationship to Applicant (e.g., Consulting Engineer) TECHNICAL CONSULTANT
Signature	Date (mm/dd/yyyy) 7/7/2006
Mailing Address LOHNES AND CULVER	

8309 CHERRY LANE		
City LAUREL	State or Country (if foreign address) MD	Zip Code 20707 -4830
Telephone Number (No dashes or parentheses, include area code) 3017764488	E-Mail Address (if available) SCOTT@LOCUL.COM	

I hereby 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.

Typed or Printed Name of Person Signing PATRICIA C. SMULLIN	Typed or Printed Title of Person Signing PRESIDENT
Signature	Date (mm/dd/yyyy) 7/7/2006

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).

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## Exhibits

### Exhibit 22

**Description:** JUSTIFICATION

STATION K34BV HAS BEEN DARK SINCE JULY 15, 2005 WHEN VANDALS DESTROYED ITS TRANSMITTER SITE. SPECIAL TEMPORARY AUTHORITY TO REMAIN SILENT WAS REQUESTED, GRANTED AND SUBSEQUENTLY EXTENDED THROUGH JULY 15, 2006. K34BV MUST RESUME OPERATIONS BY JULY 15, 2006 OR SUFFER CANCELLATION OF ITS LICENSE.

FOLLOWING THE DESTRUCTION OF ITS TRANSMITTER SITE, APPLICANT DETERMINED THAT THE SITE COULD NOT BE SECURED AGAINST FURTHER VANDALIZATION. IN ADDITION, THE STATION HAS BEEN DISPLACED FROM ITS LICENSED CHANNEL BY THE FULL POWER DIGITAL OPERATIONS OF STATION KTVL-DT/CHANNEL 35 IN MEDFORD, OR. THEREFORE, APPLICANT FILED AN APPLICATION IN MARCH 2006 TO RELOCATE THE STATION TO A NEW SITE ON MT. BALDY AND REQUESTED DIGITAL DISPLACEMENT CHANNEL 49. THAT APPLICATION REMAINS PENDING.

TO AVOID CANCELLATION OF LICENSE, APPLICANT REQUESTS SPECIAL TEMPORARY AUTHORITY TO OPERATE ANALOG FACILITIES ON CHANNEL 34 AT THE PROPOSED DIGITAL TRANSMITTER SITE ON MT. BALDY, PENDING GRANT OF THE CHANNEL 49 DIGITAL CONSTRUCTION PERMIT AND UNTIL THOSE FACILITIES ARE CONSTRUCTED AND LICENSED.

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### Attachment 22

Description
<a href="#">Technical Statement</a>

**TECHNICAL EXHIBIT  
TEMPORARY AUTHORIZATION  
K34BV 102 WATTS 837.9 M RCMSL  
MURPHY, OREGON**

**TEMPORARY FACILITY REQUEST**

The licensee of analog TV translator station K34BV in Murphy, OR, California Oregon Broadcasting, Inc., requests temporary authority to operate K34BV at variance from the normal licensed parameters from a different antenna location. Special authorization is necessary to enable K34BV to rebroadcast the network programming of parent station KOB1 until the pending request for a replacement channel can be approved and constructed. It is anticipated that the temporary standby facility will commence operation on or before July 15<sup>th</sup>.

The temporary operation will involve an off-the-shelf direction antenna, Scala Model CL-1483, side mounted on an existing tower structure at a radiation center elevation of 4 meters above ground level (AGL). The antenna is horizontally polarized and the main lobe will be oriented at 235 degrees true. Maximum effective radiated power (ERP) will be limited to 0.102 kW peak visual and 10% aural.

**INTERFERENCE PROTECTION**

The temporary TV translator facility has been evaluated for compliance with the interference protection rules governing LPTV and TV translator stations in 47 C.F.R. Part 74 - Subpart G. An interference analysis to examine the impact on other stations was conducted using the same "TV Interference and Spacing Analysis Program" that the FCC Video Division relies on for processing both analog and digital LPTV applications. The analysis results demonstrate that the

facility proposal meets the de minimis criteria adopted in MM Docket 03-185. A copy of the detailed analysis can be furnished to the FCC staff upon request.

## **ENVIRONMENTAL PROCESSING**

The temporary facility will not have a significant effect on the quality of the human environment and does not require an environmental assessment. It is categorically excluded from environmental processing by Section 1.1306 since the specified antenna structure is an existing FCC registered tower that was constructed prior to March 16, 2001 and the requested operation will not exceed the safety standards for human exposure to radio-frequency (RF) energy in Section 1.1307(b) as described below.

## **GROUND LEVEL EXPOSURE**

The antenna supporting structure to be employed is located at an established communications site on Baldy Mountain. The site is a mountaintop location that is isolated from the general population and vehicle access is controlled using a gate located at the driveway entrance. Other controls for avoiding continuous exposure at the site include strategically posted warning signs and tall fencing. Since unlimited duration exposure to the public is unlikely, a showing of RF compliance regarding occupational exposure is sufficient for granting temporary authority.

It is not expected that the specified temporary facility will result in RF contributions exceeding the *RF Radiation Exposure Limits* specified in Section 1.1310 of the Commission's rules. The occupational maximum permissible exposure (MPE) limits for Channel 34, at the visual carrier frequency of 591.25 MHz, is 1,970.8 microwatts per centimeter squared and compliance with this limit was established based on a worst case estimation of ground level power density using the EPA prediction method adopted by the FCC. In this manner worst

case ground level exposure was determined to be less than 4 percent of the applicable guideline.

As indicated above, the temporary translator is not expected to exceed 4 percent of the MPE limit at any accessible ground level location. The maximum power density level at 2 meters above ground was calculated to be 72.0 microwatts per centimeter squared. This exposure level was predicted at a horizontal distance of 2.9 meters from the base of the tower structure, which is 35 degrees below the antenna radiation center at a slope distance of 3.5 meters. In reference to the attached vertical plane relative field tabulation supplied by the antenna manufacturer, the corresponding relative field value that was applied in establishing the worst case exposure level is 0.717.

## **RF COMPLIANCE**

Exposure is calculated to be less than 5 percent of the occupational MPE guideline at any ground level location and the antenna location requires no further examination with respect other RF contributors. At higher elevations on the antenna structure, workers will be protected from excessive exposure to RF fields in accordance with the methods recommended in OET Bulletin No. 65, Version 97-01. All Maintenance and other related work that may involve exposure at elevations above ground level will be coordinated to effectively control RF fields from exceeding the occupational limit. Preventive steps to protect workers during such scheduled events shall include reducing power or shutting down facilities.

Respectfully submitted,  
**LOHNES AND CULVER**

By Scott Turpie

July 7, 2006

# K34BV STA.TXT

Antenna: CL-1469

Vertical Plane

Channel: 34

Polarization: Horizontal

Azimuth	Field	Rel.dB	dBd	Pwr Gain
0	1.000	0.0	8.0	6.310
5	0.990	-0.1	7.9	6.166
10	0.975	-0.2	7.7	5.888
15	0.942	-0.5	7.4	5.495
20	0.900	-0.9	7.0	5.012
25	0.847	-1.4	6.5	4.467
30	0.790	-2.0	5.9	3.890
35	0.717	-2.9	5.1	3.236
40	0.632	-4.0	4.0	2.512
45	0.543	-5.3	2.6	1.820
50	0.440	-7.1	0.8	1.202
55	0.310	-10.2	-2.2	0.603
60	0.115	-18.8	-10.8	0.083
65	0.030	-30.5	-22.5	0.006
70	0.015	-36.5	-28.5	0.001
75	0.010	-40.0	-32.0	0.001
80	0.010	-40.0	-32.0	0.001
85	0.010	-40.0	-32.0	0.001
90	0.010	-40.0	-32.0	0.001