

**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 15th.

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

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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 |