



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

CUMBERLAND COMMUNICATION CORPORATION  
P. O. BOX 1269  
TRACY CITY TN 37387

Arthur E. Doak  
Senior Engineer  
Audio Division  
Media Bureau

Facility Id: 14730

Call Sign: WSGM

License File Number: BLH-19931201KA

Grant Date: June 21, 1994

This license expires 3:00 a.m.  
local time, August 01, 1996.

This license covers Permit No.: BPH-900507ML  
as modified by Permit No.: BMPH-940131IE.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Name of Licensee: CUMBERLAND COMMUNICATION CORPORATION

Station Location: TN-COALMONT

Frequency (MHz): 104.7

Channel: 284

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:

Antenna type: Directional

Description: ODD ODD900507ML

Antenna Coordinates: North Latitude: 35 deg 16 min 44 sec  
West Longitude: 85 deg 44 min 02 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	1.00	1.00
Height of radiation center above ground (Meters):	37	37
Height of radiation center above mean sea level (Meters):	677	677
Height of radiation center above average terrain (Meters):	167	167

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 40 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:

- The permittee/licensee 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.

Special operating conditions or restrictions:

- 2 THE RELATIVE FIELD STRENGTH OF NEITHER THE MEASURED  
HORIZONTALLY NOR VERTICALL POLARIZED RADIATION COMPONENT  
SHALL EXCEED AT ANY AZIMUTH THE VALUE INDICATED ON THE  
COMPOSITE RADIATION PATTERN AUTHORIZED BY CONSTRUCTION  
PERMIT BPH-900507ML.

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A RELATIVE FIELD STRENGTH OF 1.0 ON THE COMPOSITE RADIATION  
PATTERN AUTHORIZED BY BPH-900507ML CORRESPONDS TO THE  
FOLLOWING EFFECTIVE RADIATED POWER:

1.0 KILOWATT.

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PRINCIPAL MINIMA AND ITS ASSOCIATED FIELD STRENGTH LIMIT:

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135 DEGREES TRUE: 0.032 KILOWATTS.

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IN ORDER TO COMPLY WITH THE FAA'S DETERMINATION OF NO  
HAZARD TO AIR NAVIGATION, CUMBERLAND COMMUNICATION  
CORPORATION SHALL UTILIZE A SHIVELY 6810 ANTENNA (2-BAYS,  
ONE WAVELENGTH SPACING) WITH THE PATTERN MINIMA DIRECTED  
TOWARD A BEARING OF 135 DEGREES TRUE.

\*\*\* END OF AUTHORIZATION \*\*\*