



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST TRANSLATOR/BOOSTER
STATION LICENSE

Authorizing Official:

Official Mailing Address:

GEOS COMMUNICATIONS
54 WILMAR DRIVE
P.O. BOX 701
TUNKHANNOCK PA 18657

Penelope A. Dade
Supervisory Analyst
Audio Division
Media Bureau

Facility Id: 156161

Call Sign: W283BG

License File Number: BLFT-20080527AAK

Grant Date: June 16, 2008

This license expires 3:00 a.m.
local time, August 01, 2014.

This license covers permit no.: BPFT-20080507ADK

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.

Callsign: W283BG

License No.: BLFT-20080527AAK

Name of Licensee: GEOS COMMUNICATIONS

Principal community to be served: PA-TUNKHANNOCK

Primary Station: WGMM (AM) , Frequency 1460 kHz, TUNKHANNOCK, PA

Via: Microwave

Frequency (MHz): 104.5

Channel: 283

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 41 deg 27 min 07 sec

West Longitude: 76 deg 00 min 33 sec

Transmitter: Type Accepted. See Sections 73.1660, 74.1250 of the Commission's Rules.

Transmitter output power: 0.023 kW

Antenna type: (directional or non-directional): Directional
Description: SCA CA-2V

Major lobe directions 140
(degrees true):

Horizontally Polarized Antenna:	Vertically Polarized Antenna:
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Effective radiated power in the Horizontal Plane (kw):	0.05
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Height of radiation center above ground (Meters):	8
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Height of radiation center above mean sea level (Meters):	626
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Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 17 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.

*** END OF AUTHORIZATION ***