FCC Form 352
June 1984

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-830908AB

Call Sign: WFBG

AM BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license,[1] the LICENSEE

Gilcom Corp.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time Aug. 1, 1991 in accordance with the following:

1. Station location: Altoona, PA

2. Main Studio location: (Listed only if not at transmitter site or not within boundaries of principal community)

3. Remote control location: --

4. Transmitter location: Near junction of Eldon St. & Young's Crossing, approximately 3.8 miles from center of Altoona, PA

North latitude: 40 ° 27 ' 20 "
West longitude: 78 ° 23 ' 50 "

5. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)

6. Antenna and ground system:

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 12 & 21

8. Frequency (kHz.): 1290

9. Nominal power (kW): 5 Day
1 Night

Antenna input power (kW): 5 Day

X Non-directional antenna: current 3.81 amperes; resistance 344 ohms.
☐ Directional antenna : current ____ amperes; resistance ____ ohms.

1.08 Night

☐ Non-directional antenna: current ____ amperes; resistance ____ ohms.
X Directional antenna : current 4.65 amperes; resistance 50 ohms.

10. Hours of operation: Specified in construction permit (BP
11. Conditions:

The Commission reserves the right during said license period of terminating this license or making effective any change or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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, as amended. 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, as amended.

[1] This license consists of this page and pages

Dated: JAN 2 A 1985

edr

FEDERAL COMMUNICATIONS COMMISSION

JAN 30 1985

FCC Form 353-A
June 1980

File NO.: BZ-830908AB Call Sign: WFBG Date:

DA- N

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Four uniform cross section, guyed, series excited vertical steel radiators.

Height above Insulators: 299' (140°)

Overall Height: 302'

Spacing and Orientation: Four tower parallelogram, short sides spaced 190' (90°) on a line bearing 330° true. Long sides spaced 439' (208°) on a line bearing 50° true.

Non-Directional Antenna: 299' (302' overall height) uniform cross-section, guyed, series excited vertical steel radiator, Twr. #4.

Ground system consists of 120 equally spaced buried copper radials, 304' in length except where curtailed by property limits plus a 40 by 40 foot ground screen at the base of each tower. Intersecting radials shortened and bonded to transverse copper straps midway between towers.

2. **THEORETICAL SPECIFICATIONS**

	N(#1)	W(#2)	S(#3)	E(#4)
Phasing:	0°	+20°	-168°	-188°
Field Ratio:	1.0	1.0	1.0	1.0

3. **OPERATING SPECIFICATIONS**

Phase Indication*:	0°	16.5°	-160°	-171°
Antenna Base Current Ratio:	1.2	1.1	0.89	0.76
Antenna Monitor Sample Current Ratio:	1.0	1.035	0.89	0.855

*** As indicated by** Potomac Type 19 antenna monitor

Exemptions as listed in 73.68(b) will apply during proper operation of approved sampling system.

Field measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every seven days and appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 50° true north. Proceed from transmitter site to Logan Boulevard, Turn right on Logan Boulevard and travel 0.4 miles to Cedar Street. Turn left on Cedar Street and proceed 0.4 mile Sylan Drive. Turn right on to Sylan Drive and proceed 0.1 mile to Sylan Heights Drive and travel 1.2 miles to Frankstown Road. Turn left on to Frankstown Road and travel 0.5 mile to monitoring point on the edge of the road approxiamtely 40 feet from utility pole LI-197. Distance from transmitter is .95 miles. The field intensity measured at this point should not exceed 13.0 mv/m.

Direction of 190° true north. Proceed from transmitter site to Logan Boulevard, Turn right on to Logan Boulevard and travel 1.95 miles to Blair Street which is also Route 22 Bypass. Turn right on Route 22 Bypass and travel 1.95 miles to Seventh Street in Duncansville. Turn left on Seventh Street and proceed 0.85 miles to intersection. Turn left and travel 0.80 mile to monitoring point on the south edge of road approximately 200 feet past farm land on the right. Distance from transmitter is 2.54 miles. The field intensity measured at this point should not exceed 6.9 mV/m.

Direction of 210° true north. Proceed from transmitter site to Logan Boulevard. Turn right on Logan Boulevard and travel 1.95 miles to Blair Street which is also Route 22 Bypass. Turn right on Route 22 Bypass and travel 1.95 miles to Seventh Street in Duncanville. Turn left on Seventh Street and proceed 0.3 mile to a farm lane on the right. Proceed on the farm lane 0.15 mile to monitoring point just below the crest of the hill. Distance from transmitter is 2.8 miles. The field intensity measured at this point should not exceed 20.88 mV/m.

Direction of 257° true north. Proceed from transmitter site to Logan Boulevard and turn left. After traveling 1.3 miles on Logan Boulevard, turn left on to Arlaryd Street which merges into Orchard Avenue. Travel 0.5 mile to Plank Road. Continue across Plank Road on Goods Lane for 0.65 mile to 58th Street. Turn right on 58th Street and travel 0.60 mile to Sicth Avenue. After a left turn on to Sixth Avenue, travel 1.75 miles to monitoring point which is at the edge of Route 764 and the south edge of the property line of the Veedor Root Plant. Distance from the transmitter is 2.0 miles. The field intensity measured at this point should not exceed 13.67 mV/m.

Direction of 370° true north. Proceed from the transmitter site to Logan Blvd. Go North on Logan Blvd. Approx. 1.3 miles to the top of Lakemont Hill. Turn left onto Arlaryd St. which merges into Orchard Ave. Travel .5 mile to Plank Road. Continue across Plank Road to Goods Lane. Travel on Goods Lane as it turns to the right going onto 58th St. to intersection of 58th St. and California Ave. Turn left onto California Ave. to 6th Ave. Road. Turn left onto 6th Ave. Road & travel 1.2 miles to new Carson Valley Road. Turn right onto the new Carson Valley Road and travel 1.9 miles. Monitor point is to the right of Carson Valley Road in turn off which runs beside drainage system for new Route 22, approx. 18 ft. off Carson Valley Road. Distance from transmitter is 3.65 miles. The field intensity measured at this point should not exceed 1.81 mV/m.

JAN 30 1985

FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION AM PES

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
PA	BZ -830908AB	WFBG 1290KHZ	THE GILCOM CORPORATION ALTOONA PA	DM

LICENSE EXPIRATION DATE AUG 1, 1984

CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT( ) CONSTRUCTION DATES, START _____ END _____

CONTESTED ( ) UNCONTESTED ( )

GRANTED

JAN 24 1985

APPROVED JAN 24 1985

Harry A. Ohlude

FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.

Form A-378