

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION RADIO STATION AUTHORIZATION

LICENSE

NAME: WGLT-FM

CALL SIGN: E861030

FILE NO.: 001889-DSE-L -86

DOMESTIC FIXED SATELLITE SERVICE  
FIXED EARTH STATION

DATE OF GRANT: AUGUST 22, 1986

LOCATION OF STATION: NORMAL

MCLEAN

ILLINOIS

LATITUDE 40 30 31 N  
LONGITUDE 88 59 23 W

SUBJECT TO THE PROVISIONS OF THE COMMUNICATIONS ACT OF 1934, THE COMMUNICATIONS SATELLITE ACT OF 1962, SUBSEQUENT ACTS AND TREATIES, AND ALL PRESENT AND FUTURE REGULATIONS MADE BY THIS COMMISSION, AND FURTHER SUBJECT TO THE CONDITIONS AND REQUIREMENTS SET FORTH IN THIS LICENSE, THE LICENSEE IS AUTHORIZED TO USE AND OPERATE THE RADIO FACILITIES DESCRIBED BELOW FOR RADIO COMMUNICATIONS FOR THE TERM BEGINNING AUGUST 22, 1986 (3 A.M. EASTERN STANDARD TIME) AND ENDING AUGUST 22, 1996 (3 A.M. EASTERN STANDARD TIME).

## 1. PARTICULARS OF OPERATIONS

FREQUENCY (MHZ)	EMISSION	MAXIMUM E.I.R.P.	MAXIMUM E.I.R.P. DENSITY	SPECIAL PROVISIONS (REFER TO FCC FORM 488-A.)
3700.000 - 4200.000 H.V	200F9	---	---	1000 , 1104

\* LICENSE \*

WITHHOLDING SPECIFIED IN THE CALLION ON THE FRONT SIDE OF THIS FORM  
IN ADDITION THE FOLLOWING STANDARD CONDITIONS ARE APPLICABLE TO THE PARTICULAR TYPE OF RADIO STATION

RANGE OF AZIMUTHS OF CENTER OF MAIN LOBE OF RADIATION WITH RESPECT TO TRUE NORTH: 152.1 TO 246.3 DEGS. AT 4 GHZ

RANGE OF ANTENNA ELEVATION ANGLE: 39.2 TO 16.8 DEGS. AT 4 GHZ

MAXIMUM E.I.R.P. TOWARD THE HORIZON: (NOT APPLICABLE TO RECEIVE-ONLY OPERATIONS)

RANGE OF SATELLITE LONGITUDES: 70.0 TO 145.0 DEGS. AT 4 GHZ

RECEIVING SYSTEM NOISE TEMPERATURE: 116 DEGS. K AT 16.80 DEGS. ELEVATION AT 3900 MHZ

THIS RADIO STATION AUTHORIZATION IS SUBJECT TO THE FOLLOWING STANDARD CONDITIONS

\* STANDARD CONDITIONS \*

FEDERAL  
COMMUNICATIONS  
COMMISSION



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## 2. POINTS OF COMMUNICATIONS

THE FOLLOWING SPACE STATIONS LOCATED IN THE GEOSTATIONARY SATELLITE ORBIT:  
ALSAT ALL AUTHORIZED U.S. DOMESTIC SATELLITES CONSISTENT WITH SECTION 1 OF THIS LICENSE

## 3. TRANSMITTING EQUIPMENT

(NOT APPLICABLE TO RECEIVE-ONLY OPERATIONS)

## 4. ANTENNA FACILITIES

NO. 1 3.7 METER PRIM ANTENNA MICRODYNE/PR12 251.8 METERS SITE/ELEVATION: 237.7 METERS  
GAIN: 41.0 DBI AT 4 GHZ MAXIMUM ANTENNA HEIGHT(AMSL):

## 5. REMOTE CONTROL POINT: NONE

THIS AUTHORIZATION IS SUBJECT TO THE ADDITIONAL NUMBERED SPECIAL PROVISIONS AND THE FOLLOWING NUMBERED GENERAL PROVISIONS SPECIFIED ON THE ATTACHED FCC FORM 488-A.

- |          |            |
|----------|------------|
| (1) 2000 | (6) XXXXXX |
| (2) 2013 | (7) XXXXXX |
| (3) 2019 | (8) XXXXXX |
| (4) 2200 | (9) XXXXXX |
| (5) 2500 |            |





## SPECIAL AND GENERAL PROVISIONS FOR RADIO STATION AUTHORIZATION

The radio station authorization granted on FCC Form 488 is subject to additional terms and conditions specified by code numbers on that form. The text of the special and general provisions corresponding to those code numbers is given below:

### SPECIAL PROVISIONS

- 1000 Maximum e.i.r.p. and maximum e.i.r.p. density are not applicable to receive-only operations.
- 1010 Receive frequency band. Emission designator indicates the maximum bandwidth of transmissions received at this station. Maximum e.i.r.p. and maximum e.i.r.p. density are not applicable to receive operations.
- 1500 Carrier frequency modulated by a composite television signal consisting nominally of a video carrier with a baseband of 10 Hz or 15 Hz to 4.25 MHz and an audio subcarrier at 6.2 or 6.8 MHz with a baseband of 20 Hz to 15 KHz.

### GENERAL PROVISIONS

- 2000 The hours of operations of this station are not limited.
- 2010 This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum, Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding.
- 2020 The use of the small diameter earth station antenna facilities is authorized pursuant to the Commission's decision in American Broadcasting Companies et al., 62 FCC 2d 901 (1976).
- 2030 The authority granted by this station authorization is limited to the operation of the radio facilities described above, and does not include any authority under Section 214 of the Communications Act to establish channels of communication or to provide communications services for hire.
- 2040 This authorization is subject to possible revocation or modification as a result of any findings, rules, requirements or other actions which may result from or be promulgated by, the proceedings in Common Carrier Docket No. 78-72, "In the Matter of MTS and WATS Market Structure", FCC 78-144, March 3, 1978, or Common Carrier Docket No. 78-96, "Regulatory Policies Concerning the Provision of Domestic Public Message Services by Entities Other than the Western Union Telegraph Company and Proposed Amendment to Parts 63 and 64 of the Commission's Rules", FCC 78-184, March 28, 1978 (See attached FCC Form 488-B). The grantee is afforded 30 days from the release of this grant to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of this authorization as conditioned.
- 2058 The use of these small diameter earth station facilities is authorized pursuant to the Commission's decisions in American Broadcasting Companies, 62 FCC 2d 901 (1976) and Equatorial Communications Service, Order and Authorization released March 13, 1984 in Application File Nos. 962/963/964/965-DSE-ML-83.

### SPECIAL PROVISIONS

- 1510 Carrier frequency modulated by a television signal consisting of a National Television System Committee (NTSC) standard color video carrier with a baseband of 4.2 MHz, an audio subcarrier of 6.8 MHz with a baseband of 15 KHz, and a four-phase 1.79 megabits per second, phase shift modulated subcarrier at 5.5 MHz.
- 1750 Emission 5000F9Y denotes a 2.4576 Mbps BPSK transmission.
- 1900 Authority is granted to transmit any number of r.f. carriers with the specified parameters on any discrete frequencies within this band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.

### GENERAL PROVISIONS

- 2100 These facilities shall be used by the grantee solely for the purpose of providing program reception services for its cable television system operations or providing such services on a nonprofit basis to other cable television systems operated by affiliated companies under common corporate control with the grantee. This station shall not be used to provide program reception service to non-affiliated cable television systems or other entities or for the rendition of communications services for hire unless and until the grantee has applied for and been granted the appropriate modification of the authority granted herein.
- 2110 These facilities shall be used by the grantee solely for the purpose of receiving program material to be used by non-commercial broadcast licensee(s) in connection with the operation of the noncommercial broadcasting station(s). This station shall not be used for other purposes or for hire unless and until the grantee has applied for and been granted the appropriate modification of the authority granted herein.
- 2200 These facilities shall be used for the reception of only such programming material that the grantee has been authorized to receive and use by the owner of the programming material.
- 2210 The grantee is authorized to add, delete or change channels of program material received from the satellites specified in Section 2 of this authorization, provided (a) that carriage of such program material is authorized pursuant to the Commission's rules, regulations and policies governing the terrestrial system(s) used to distribute this material to the end subscribers, and (b) that such earth station operations are consistent with the technical parameters specified in this authorization.



SPECIAL AND GENERAL PROVISIONS  
FOR RADIO STATION AUTHORIZATION

(CONTINUED)

SPECIAL PROVISIONS

.1104 Emission 200F9 denotes 15 KHz frequency modulated audio channels.

GENERAL PROVISIONS

.2013 This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding. This authorization is further subject to the terms and conditions set forth in the Commission's Memorandum Opinion, Order, Authorization and Certification adopted January 25, 1979 in applications File Nos. 789-DSE-P/ML-78 and is further subject to the technical matters addressed in that decision.