



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

WILLIAMS COMMUNICATIONS, INC.
P.O. BOX 2552
ANNISTON AL 36202

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 6811

Call Sign: WHMA

License File Number: BZ-20020326ABO

Grant Date: March 04, 2003

This license expires 3:00 a.m.
local time, April 01, 2004.

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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	6:45 AM	5:00 PM	Jul.	4:45 AM	7:00 PM
Feb.	6:30 AM	5:30 PM	Aug.	5:00 AM	6:30 PM
Mar.	6:00 AM	5:45 PM	Sep.	5:30 AM	5:45 PM
Apr.	5:15 AM	6:15 PM	Oct.	5:45 AM	5:15 PM
May	4:45 AM	6:30 PM	Nov.	6:15 AM	4:45 PM
Jun.	4:30 AM	7:00 PM	Dec.	6:45 AM	4:30 PM

Callsign: WHMA

License No.: BZ-20020326ABO

Name of Licensee: WILLIAMS COMMUNICATIONS, INC.

Station Location: ANNISTON, AL

Frequency (kHz): 1390

Station Class: B

Antenna Coordinates:

Day

Latitude: N 33 Deg 42 Min 31 Sec

Longitude: W 85 Deg 51 Min 14 Sec

Night

Latitude: N 33 Deg 42 Min 31 Sec

Longitude: W 85 Deg 51 Min 14 Sec

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

Nominal Power (kW): Day: 5.0 Night: 1.0

Antenna Input Power (kW): Day: 5.0 Night: 1.08

Antenna Mode: Day: ND Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 8.85 Night: 4.65

Resistance (ohms): Day: 63.8 Night: 50

Non-Directional Antenna: Day

Radiator Height: 58.8 meters; 98.2 deg

Theoretical Efficiency: 305.78 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	59.7

Night:

Tower No.	ASRN	
1	None	55.8
2	None	59.7
3	None	55.8

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 297.73
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 312.27
 Q Factor: Night: 12.1

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	-149.300	0.0000	0.000	0	90.0
2	1.7200	0.000	90.0000	0.000	0	98.2
3	1.0000	149.300	90.0000	0.000	1	90.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower
 1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	98.0	10.0	64.37
2	290.0	50.0	65.98
3	290.0	10.0	72.42
4	315.0	50.0	17.70
5	315.0	10.0	24.14

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	148.9	0.699
2	0	1
3	-148.9	0.57

Antenna Monitor: POTOMAC INSTRUMENTS AM-19D(210)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
98	3.18	8.6
259	1.56	37
290	0.57	68
315	1.75	7.8
350	3.88	13

Special operating conditions or restrictions:

1 Description of Directional Antenna system:

Three uniform cross-section, guyed, series-excited vertical towers. An FM pylon antenna is mounted on the top of the center tower #2.

Ground system consists of 120-177' buried copper radials equally spaced plus a 20' square copper ground screen under each tower.

2 DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 98 True North- From the transmitter driveway, turn left (NE) on Post Oak Road, and proceed 0.6 mile to left entrance to Rt. 431, located close to Hillcrest Baptist Church. Turn right (East) on Rt. 431 and proceed approximately 1.83 miles to Rt. 21. Take "shoot off" and proceed approximately 0.52 mile north to point. The measuring point is on east side of median across from "Calhoun County Juvenile Detention Center" sign. The measuring point is also 0.4 miles north of the Summerall Gate to Fort McClellan.

Direction of 259 True North From the transmitter driveway, turn right (south) and proceed on Post Oak Road to the Old Gadsden Highway. Turn right on Old Gadsden Highway (NW) and proceed 0.2 mile to Winchester Road. Turn left (west) on Winchester Road to a point where it dead-ends with CR-109 (Bynam Leatherwood Road). The measuring point is in the center of driveway leading to field on South side of Winchester Road, approximately 10 feet from the edge of road, inline with large pine tree.

Direction of 290 True North From the transmitter driveway, turn right (south) and proceed on Post Oak Road, to the Old Gadsden Highway. Turn right (NW) on Old Gadsden Hwy. Approximately 0.56 mile. The measuring point is 50 paces west into field (across from 1825 Old Gadsden Highway) from marked Pole #12, and in line with center of cinder block building.

Direction of 315 True North. From the transmitter driveway, turn left (NE) on Post Oak Road, and proceed 0.6 mile to left entrance to Rt. 431, located close to Hillcrest Baptist Church. Proceed left (west) on Rt. 431 1.55 miles to point. The measuring point is on the north side of the road approximately 300 feet southeast of intersection with Choctaw Road.

Special operating conditions or restrictions:

- 3 Direction of 350 True North. From the transmitter driveway, turn left (NE) on Post Oak Road, and proceed 0.6 mile to left entrance to Rt. 431, located close to Hillcrest Baptist Church. Proceed left (west) on Rt. 431, 2.9 mile to Halls Chapel Road. Turn right (East) on Halls Chapel Road and proceed 1.1 mile to 1210 Halls Chapel Road (just past 1165). Point is 30 paces south from edge of road into long drive entering 1210 Halls Chapel Road.

*** END OF AUTHORIZATION ***