



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Official Mailing Address:

 WINSTON-SALEM-GREENSBORO-HIGH POINT
 BOX 889
 BLACKSBURG, VA 24060

Authorizing Official

[Signature]
 for Dennis L. Williams
 Assistant Chief
 Audio Services Division
 Mass Media Bureau

Call Sign: WSGH

Grant Date:

JUN 26 1998

License File No.: BL-980403KE

This license expires 3:00 a.m.
 Local time, December 1, 2003

This license covers Permit No.: 930826AH

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: Daytime

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

Jan.	7:30 a.m.	5:30 p.m.	Jul.	5:15 a.m.	7:45 p.m.
Feb.	7:15 a.m.	6:00 p.m.	Aug.	5:45 a.m.	7:15 p.m.
Mar.	6:30 a.m.	6:30 p.m.	Sep.	6:00 a.m.	6:30 p.m.
Apr.	5:45 a.m.	7:00 p.m.	Oct.	6:30 a.m.	5:45 p.m.
May	5:15 a.m.	7:15 p.m.	Nov.	7:00 a.m.	5:15 p.m.
Jun.	5:00 a.m.	7:45 p.m.	Dec.	7:30 a.m.	5:15 p.m.

Licensee: WINSTON-SALEM-GREENSBORO-HIGH POINT

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Station Location: LEWISVILLE, NC

Frequency (kHz): 1040

Station Class: D

Transmitter Location:

NC - 1647 Bloomtown Road, Yadkin County, Lewisville

Latitude: N 36° 8' 6"

Longitude: W 80° 30' 14"

Main Studio Location: (See Section 73.1125)

NC - 1647 Bloomtown Road, Yadkin County, Lewisville

Nominal Power (kW): Day: 9.1 Night: 0.182

Antenna Input Power (kW): Day: 9.582 Night: 0.1970

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 13.84 Night: 1.98

Resistance (ohms): Day: 50.00 Night: 50.00

Antenna Description:

Three vertical, guyed, series-excited steel radiators of uniform cross section. The six bay WXRI(FM) antenna is side mounted near the top of tower #1(E), and two communications antennas are mounted below the FM antenna. Towers #2(c) and #3(W) are top loaded with the uppermost 22.6 m (28.2°) of guy wires to an apparent electrical height of 98.2°.

Ground System Description:

120 equally spaced, buried, copper radials about the base of each tower, each 73 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus 120 interspersed radials 15 meters in length about the base of each tower.

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Antenna Registration Number(s):

Daytime:

Twr No.	ASRN
1	1007573
2	None (Overall Height = 57.0 m)
3	None (Overall Height = 57.0 m)

Nighttime:

Twr No.	ASRN
1	1007573
2	None (Overall Height = 57.0 m)
3	None (Overall Height = 57.0 m)

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m @ 1km): Day: 1032.54 Night: 140.23

Standard RMS (mV/m @ 1km): Day: 1084.96 Night: 147.62

Q Factor: Day: 39.49 Night: 10.00

Theoretical Parameters:

Daytime Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref. Switch *	Height (Deg.)
1	1.0000	0.000	0.000	0.000	0	123.3
2	1.0600	152.800	90.000	270.000	0	TL/S
3	0.3800	-63.600	180.000	270.000	0	TL/S

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR § 73.160)

Tower No.	A	B	C	D
1	0.0	0.00	0.00	0.00
2	70.0	28.20	0.00	0.00
3	70.0	28.20	0.00	0.00

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Nighttime Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref. Switch *	Height (Deg.)
1	1.0000	0.000	0.000	0.000	0	123.3
2	1.5800	120.700	90.000	270.000	0	TL/S
3	0.7200	-117.800	180.000	270.000	0	TL/S

* Tower Reference Switch:

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR § 73.160)

Tower No.	A	B	C	D
1	0.0	0.00	0.00	0.00
2	70.0	28.20	0.00	0.00
3	70.0	28.20	0.00	0.00

Operating Parameters:

Daytime Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio	Antenna Base Current Ratio
1	-147.60	0.944	0.386
2	0.00	1.000	1.000
3	150.30	0.320	0.348

Nighttime Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio	Antenna Base Current Ratio
1	-122.20	0.820	0.254
2	0.00	1.000	1.000
3	118.80	0.462	0.492

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Antenna Monitor: POTOMAC INSTRUMENTS 1901 (4188)

Sampling System Approved Under Section 73.68(b) of the Rules.

Monitoring Points:

Daytime Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
183.0	2.39	59.19
357.0	3.18	23.81

Nighttime Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
206.5	2.69	4.52
241.0	3.02	2.30
299.0	2.71	1.74
333.5	2.32	2.54

Special Operating Conditions or Restrictions:

None Required

*** END OF AUTHORIZATION ***