



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

ATLANTA RADIO KOREA, INC.
 3230 STEVE REYNOLDS BOULEVARD
 # 219
 DULUTH GA 30096

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 30825

Call Sign: WQXI

License File Number: BML-20061226ABR

Grant Date: March 30, 2007

This license expires 3:00 a.m.
 local time, April 01, 2012.

New Antenna Monitor

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

Callsign: WQXI

License No.: BML-20061226ABR

Name of Licensee: ATLANTA RADIO KOREA, INC.

Station Location: ATLANTA, GA

Frequency (kHz): 790

Station Class: B

Antenna Coordinates:

Day

Latitude: N 33 Deg 48 Min 42 Sec

Longitude: W 84 Deg 21 Min 13 Sec

Night

Latitude: N 33 Deg 48 Min 42 Sec

Longitude: W 84 Deg 21 Min 13 Sec

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

Nominal Power (kW): Day: 28.0 Night: 1.0

Antenna Input Power (kW): Day: 28.0 Night: 1.08

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 32.8 Night: 4.6

Resistance (ohms): Day: 26 Night: 51

Non-Directional Antenna: Day

Radiator Height: 75 meters; 71.1 deg

Theoretical Efficiency: 294.51 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1019765	

Night:

Tower No.	ASRN	Overall Height (m)
1	1019765	
2	1019766	
3	1019767	
4	1019768	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 306.58
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 322.61
 Q Factor: Night: 15.15

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.9300	-147.000	0.0000	0.000	0	71.0
2	1.0000	0.000	90.0000	354.000	0	71.0
3	0.5870	21.300	90.0000	251.500	0	71.0
4	0.6320	168.300	90.0000	354.000	1	71.0

* 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	63.5	10.0	71.62
2	170.0	10.0	250.25
3	286.0	10.0	48.28
4	345.0	10.0	179.25
5	350.0	10.0	185.07

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	146	0.95
2	0	1
3	-147.8	0.631
4	163.4	0.629

Antenna Monitor: POTOMAC INSTRUMENTS MODELL 1900

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)
10	5.49	24
63.5	3.33	10.9
170	4.22	34.8
286	4.02	7
345	3.75	46.5

Special operating conditions or restrictions:

1 The permittee/licensee 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.

2 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM
No. and Type of Elements: Four(4), vertical, guyed, series-excited steel radiators of uniform cross section.

Ground System consists of 120 equally spaced, buried copper wire radials about the base of each tower, each 134.1 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a 14.6 m square ground screen about the base of each tower.

Special operating conditions or restrictions:

3 MONITORING POINTS DESCRIPTION:

Direction of 10 True North. From WQXI private drive at Lenox Road proceed northerly on Lenox Road and Cheshire Bridge Road 4.72 km (2.93 miles) to Peachtree Road, northeasterly and east 1.77 km (1.1 miles) to Brookhaven Drive, north 0.24 km (0.15 miles) to corner, east 0.18 km (11 miles) to monitor point located 50 paces north of Brookhaven Drive in golf course, 15.24 meters (50 feet) northwest of golf tee at small plum tree.

Direction of 63.5 True North. From WQXI private drive at Lenox Road proceed northerly on Lenox Road 0.69 km (0.43 miles) to Cheshire Bridge Road, northerly on Cheshire Bridge Road 0.8 km (0.5 miles) to Interstate Highway 85, northeast 1.77 km (1.1 miles) to North Druid Hills Road, southeasterly 1.53 km (0.95 miles) to Alliance Church and monitoring point located on curb at extreme southeast corner of paved parking lot, 30.48 meters (100 feet) southeast of main church building.

Direction of 170 True North. From WQXI private drive at Lenox Road proceed southerly on Lenox Road 1.61 km (1.0 mile) to Rock Springs Road, east-southeast 1.37 km (0.85 miles) to Briarcliff Road, south-southwest 2.17 km (1.35 miles) to Ponce De Leon Road, east 0.32 km (0.2 miles) to narrow avenue skirting south edge of park area to monitoring point located 75 paces north in park at a point 3.05 meters (10 feet) of playground merry-go-round.

Direction of 286 True North. From WQXI private drive at Lenox Road proceed northerly 0.89 km (0.55 miles) on Lenox Road and Cheshire Bridge Road to Lindbergh Drive, westerly 3.38 km (2.1 miles) to Peachtree Road, southerly 0.35 km (0.22 miles) to Peachtree Battle Avenue, westerly 0.69 km (0.43 miles) to monitoring point located 76.2 meters (250 feet) east of Woodward Way in center of park area alongside tree with painted trunk.

Direction of 345 True North. From WQXI private drive at Lenox Road proceed northerly on Lenox Road and Cheshire Bridge. Continue on Lenox Road north 2.9 km (1.8 miles) to East Paces Ferry road, westerly to end of the road. North on entrance to Lenox Mall Parking lot, west on Around Lenox Road, to second entrance to parking garage. Monitoring point is opposite parking garage entrance half way between Around Lenox Road and Georgia 400 Toll Road.

*** END OF AUTHORIZATION ***