



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

QUINNIPIAC UNIVERSITY
 275 MT. CARMEL AVENUE
 HAMDEN CT 06518

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 42658

Call Sign: WQUN

License File Number: BL-20021210ACN

Grant Date: July 29, 2003

This license expires 3:00 a.m.
 local time, April 01, 2006.

This license covers Permit No.: BP-20021210AAA

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

Callsign: WQUN

License No.: BL-20021210ACN

Name of Licensee: QUINNIPIAC UNIVERSITY

Station Location: HAMDEN, CT

Frequency (kHz): 1220

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 22 Min 38 Sec

Longitude: W 72 Deg 55 Min 44 Sec

Night

Latitude: N 41 Deg 22 Min 38 Sec

Longitude: W 72 Deg 55 Min 44 Sec

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

Nominal Power (kW): Day: 1.0 Night: 0.31

Antenna Input Power (kW): Day: 1.08 Night: 0.33

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 4.43 Night: 2.45

Resistance (ohms): Day: 55 Night: 55

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1062364	
2	1062365	

Night:

Tower No.	ASRN	Overall Height (m)
1	1062364	
2	1062365	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 295.8 Night: 163.45

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 311.79 Night: 172.28

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	90.0
2	0.6000	45.000	180.0000	258.000	0	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	65.0	26.0	231.95
2	78.0	12.0	219.76
3	84.0	12.0	223.86
4	252.0	12.0	223.65
5	258.0	12.0	222.91
6	279.0	14.0	189.90
7	286.0	12.0	156.69
8	300.0	12.0	130.61
9	306.0	12.0	144.84

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	90.0
2	0.6000	45.000	180.0000	258.000	0	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	65.0	26.0	128.20
2	78.0	12.0	121.40
3	84.0	12.0	123.70
4	252.0	12.0	123.60
5	258.0	12.0	123.20
6	279.0	14.0	104.90
7	286.0	12.0	86.60
8	300.0	12.0	72.20
9	306.0	12.0	80.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-51	0.6

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-51	0.6

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
78	4.02	21.46
258	4.35	13.5
300	3.64	11.3

Special operating conditions or restrictions:

- 1 Monitor point readings shall be taken at the following location:

78 degrees T: To reach monitor point 32 on 78 degree radial, starting at studio-transmitting building, proceed southwest on Denslow Hill Road 0.85 mile to Benham Street. Turn left and proceed 0.7 mile on Benham Street to Dexwell Avenue. Turn left and proceed 0.2 mile to Wilbur Cross Parkway (Route 15) entrance north on the right. Proceed on the Parkway 1.9 miles to Exit 62 (Dixwell Avenue) on the right. Take exit and proceed 0.2 mile to Dixwell Avenue. Make left onto Dixweel Avenue and proceed 0.6 mile to Old Hartford Turnpike. Turn left and proceed 0.26 mile. The monitor point is 20 feet from the curb on the left side of the road. This point is 2.5 miles from the station. The field intensity measured at this point should not exceed 21.46 mV/m.

258 degrees T: To reach monitor point #51a on radial 258 degrees, starting at studio-transmitting building, proceed southwest on Denslow Hill Road 0.85 mile to Benham Street. Turn left and proceed 0.7 mile to Benham Street to Dixwell Avenue. Turn left and proceed 0.25 mile to the Wilbur Cross Parkway (Route 15) entrance south on left. Proceed 5.15 miles on the Parkway to Exit 59. At bottom of the ramp make left onto Litchfield Turnpike and proceed 2.3 miles to the monitor point. The point is located in the field equidistant between utility poles #963 and #964 at the wire fence at the shore of Lake Dawson on the radial. This monitor point is 2.7 miles from the station. The field intensity measured at this point should not exceed 13.5 mV/m.

300 degrees T: To reach monitor point #16 on radial 300 degrees, starting at studio-transmitting building, proceed southwest on Denslow Hill Road 0.85 mile to Benham Street. Turn left and proceed 0.7 mile on Benham Street to Dixwell Avenue. Turn left and proceed 0.25 mile to the Wilbur Cross Parkway (Route 15) entrance south on left. Proceed 5.15 miles on the Parkway to Exit 59. At bottom of the ramp make left onto Litchfield Turnpike and proceed 3.2 miles to Downs Road on right. Make right onto Downs Road and proceed 0.9 mile to the monitor point. The monitor point is beside the wood post on the left side of the road. The post is marked with paint near the pavement. This point is 2.26 miles from the station. The field intensity measured at this point should not exceed 11.3 mV/m.

*** END OF AUTHORIZATION ***