



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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FLORIDA BROADCASTERS  
 1355 E. ALTAMONTE DRIVE  
 ALTAMONTE SPRINGS FL 32701

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Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

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Facility Id: 21760

Call Sign: WONQ

License File Number: BL-20050907ACE

Grant Date: December 05, 2005

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

This license covers permit no.: BP-20020701ABH

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

Callsign: WONQ

License No.: BL-20050907ACE

Name of Licensee: FLORIDA BROADCASTERS

Station Location: OVIEDO, FL

Frequency (kHz): 1030

Station Class: B

Antenna Coordinates:

Day

Latitude: N 28 Deg 40 Min 30 Sec

Longitude: W 81 Deg 10 Min 00 Sec

Night

Latitude: N 28 Deg 40 Min 30 Sec

Longitude: W 81 Deg 10 Min 00 Sec

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

Nominal Power (kW): Day: 45.0 Night: 1.7

Antenna Input Power (kW): Day: 45.0 Night: 1.8

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 37.8 Night: 6.05

Resistance (ohms): Day: 31.5 Night: 50

Non-Directional Antenna: Day

Radiator Height: 64 meters; 79.2 deg

Theoretical Efficiency: 299 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1045382	

Night:

Tower No.	ASRN	Overall Height (m)
1	1045382	
2	1045383	
3	1055833	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 411.89  
 Standard RMS (mV/m/km): Night: 432.7  
 Augmented RMS (mV/m/km):  
 Q Factor: Night: 13.04

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	79.2
2	0.4200	-106.300	90.0000	200.500	0	79.2
3	0.6100	106.300	90.0000	20.500	0	79.2

\* Tower Reference Switch

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

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-104	0.458
3	110.5	0.502

Antenna Monitor: POTOMAC INSTRUMENTS MODEL AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
20.5	2.5	10.47
55.5	6.2	0.91
345.5	2.75	5.07

## 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 This application is being granted prior to the completion of the International Telecommunications Union (ITU) registration process. Therefore, any construction of and operation with the facilities specified herein is at applicant's own risk and subject to modification, suspension or termination without right to hearing, if found by the Commission to be necessary in order to conform to the provisions of the registration process of the ITU, and to bilateral and other multilateral agreements between the United States and other countries.
  
- 3 Location of Monitoring Points:  
  
Direction of 20.5° TN. Leave the WONQ transmitter and proceed North 0.65 miles to Highway 426. Turn right and proceed East 0.8 miles to Walsh Street. Turn left and proceed North 0.48 miles to Priest Lane. Turn left and proceed 0.1 miles. The Monitor Point is located in the center of the road by the painted marker.  
  
Direction of 55.5° TN. The Monitor Point is located at the east edge of the road by the marker on the north property line at 625 Snow Hill Road.  
  
Direction of 345.5° TN. Leave the WONQ transmitter and proceed North 1.2 miles on Van Arsdale St. to Florida Avenue. Turn left and proceed West 0.25 miles to Stone St. Turn right and proceed North 0.5 miles to Howard Ave. Turn left and proceed 0.12 miles. The Monitor Point is located on the south edge of the road due South of a Barn in the field north of the road.
  
- 4 Ground System: Ground system consists of 120 evenly spaced copper radials 64 meters long around each tower or to bonding strap plus 120 15.2 meters long radials around each tower. A copper strap is between each tower and intersecting ground system.

\*\*\* END OF AUTHORIZATION \*\*\*