



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

DELMAR COMMUNICATIONS, INC.
4001 CURVE ROAD
DELAWARE OH 43015

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: April 03, 1998

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

Facility Id: 54557

Call Sign: WQCD

License File Number: BZ-19980218KD

Direct Measurement of Power

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.	jan_sunrise	jan_sunset	Jul.	jul_sunrise	jul_sunset
Feb.	feb_sunrise	feb_sunset	Aug.	aug_sunrise	aug_sunset
Mar.	mar_sunrise	mar_sunset	Sep.	sep_sunrise	sep_sunset
Apr.	apr_sunrise	apr_sunset	Oct.	oct_sunrise	oct_sunset
May	may_sunrise	may_sunset	Nov.	nov_sunrise	nov_sunset
Jun.	jun_sunrise	jun_sunset	Dec.	dec_sunrise	dec_sunset

Callsign: WQCD

License No.: BZ-19980218KD

Name of Licensee: DELMAR COMMUNICATIONS, INC.

Station Location: DELAWARE, OH

Frequency (kHz): 1550

Station Class: D

Antenna Coordinates:

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

Nominal Power (kW): Night: 0.029

Antenna Input Power (kW): Night: 0.031

Antenna Mode: Night: DA

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

Current (amperes): Night: 56

Resistance (ohms): Night: 56

Antenna Registration Number(s):

Night:

Tower No.	ASRN	
1	None	37.5
2	None	37.5

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 48.84

Standard RMS (mV/m/km): Night:

Augmented RMS (mV/m/km):

Q Factor: Night: 2.41

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	68.5
2	1.0000	108.000	80.0000	355.000	0	68.5

* 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	17.0	20.0	4.70
2	60.0	20.0	28.70
3	105.0	70.0	61.20
4	265.0	90.0	47.30
5	355.0	10.0	6.80

Night Directional Operation:

Twr. Phase No.	Antenna Monitor Sample Current Ratio
1 0	
2 102	

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

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

*** END OF AUTHORIZATION ***