



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

TWIN PORTS RADIO, LLC  
ATTN DANIEL HATFIELD  
214 S 32ND AVE E  
DULUTH MN 55812

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 65661

Call Sign: KJOQ

Permit File Number: BP-20001215AAY

Grant Date: April 24, 2001

This permit expires 3:00 a.m.  
local time, 36 months after the  
grant date specified above.

Permit to increase efficiency, tower height, and change site.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Hours of Operation: Unlimited

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

Jan.	7:45 AM	4:45 PM	Jul.	4:30 AM	8:00 PM
Feb.	7:15 AM	5:30 PM	Aug.	5:00 AM	7:15 PM
Mar.	6:30 AM	6:15 PM	Sep.	5:45 AM	6:30 PM
Apr.	5:30 AM	7:00 PM	Oct.	6:30 AM	5:30 PM
May	4:30 AM	7:30 PM	Nov.	7:15 AM	4:30 PM
Jun.	4:15 AM	8:00 PM	Dec.	7:45 AM	4:15 PM

Callsign: KJOQ

Permit No.: BP-20001215AAY

Name of Permittee: TWIN PORTS RADIO, LLC

Station Location: DULUTH, MN

Frequency (kHz): 1490

Station Class: C

Antenna Coordinates:

Day

Latitude: N 46 Deg 43 Min 28 Sec

Longitude: W 92 Deg 07 Min 11 Sec

Night

Latitude: N 46 Deg 43 Min 28 Sec

Longitude: W 92 Deg 07 Min 11 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: 1.0

Antenna Mode: Day: ND Night: ND

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1035002	

Night:

Tower No.	ASRN	Overall Height (m)
1	1035002	

Non-Directional Antenna: Day

Radiator Height: 72.1 meters; 129 deg

Theoretical Efficiency: 332.7 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 72.1 meters; 129 deg

Theoretical Efficiency: 332.7 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- 2 Licensee shall accept such interference as may be imposed by other existing 250 watt Class C stations in the event that they are subsequently authorized to increase power to 1000 watts.
- 3 Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by Stations KQDS and KXTP (970 kHz, Superior, WI) and there shall be filed with the license application copies of a firm agreement entered into by the two stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated. Following construction, and prior to authorization of program test under this grant, both stations shall each measure antenna or common point resistance and submit FCC Form 302 as application notifying the return to direct measurement of power.

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