



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

KANSAS CITY CATHOLIC NETWORK, INC.
201 N. INDUSTRIAL PARK ROAD
EXCELSIOR SPRINGS MO 64024

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: July 12, 2007

Facility Id: 48538

Call Sign: KPHN

This license expires 3:00 a.m.
local time, June 01, 2013.

License File Number: BML-20061215ACW

This license modifies license no.: BL-20011214ALF
Noncommercial Educational

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: Daytime with Secondary nighttime

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

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

Name of Licensee: KANSAS CITY CATHOLIC NETWORK, INC.

Station Location: EL DORADO, KS

Frequency (kHz): 1360

Station Class: D

Antenna Coordinates:

Day

Latitude: N 37 Deg 48 Min 47 Sec

Longitude: W 96 Deg 48 Min 44 Sec

Night

Latitude: N 37 Deg 48 Min 47 Sec

Longitude: W 96 Deg 48 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: 0.040

Antenna Input Power (kW): Day: 1.08 Night: 0.040

Antenna Mode: Day: DA Night: ND

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

Current (amperes): Day: 4.65 Night: 0.9

Resistance (ohms): Day: 50 Night: 50

Non-Directional Antenna: Night

Radiator Height: 51.8 meters; 84.6 deg

Theoretical Efficiency: 299.34 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1212059	
2	1211982	

Night:

Tower No.	ASRN	Overall Height (m)
1	1212059	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 306.93

Standard RMS (mV/m/km): Day: 322.45

Augmented RMS (mV/m/km):

Q Factor: Day: 10

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	84.6
2	0.8800	90.000	80.0000	50.000	0	84.6

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Sample	Monitor Current Ratio
1	0	1	
2	90	0.88	

Day Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
50	3.31	9.5

Special operating conditions or restrictions:

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

50 degrees T: West side of Bluestem Road, 150 feet north of the intersection of Bluestem Road and the Shady Creek access road.
 Differential GPS coordinates: 37 50.023' N 96 47.116 W.
 DISTANCE: 3.31 km. LIMIT: 9.5 mV/m DAYTIME.

Special operating conditions or restrictions:

- 2 Kansas City Catholic Network, Inc. requests waiver of 47. C.F.R. Section 73.1125 to operate the proposed facility as "satellite" of co-owned noncommercial educational AM station KAHS(AM), El Dorado, Kansas, (Facility ID No.: 48538). Based upon the specific representations contained therein, the waiver request IS GRANTED. Applicant shall abide by each representation proffered in the waiver request.

*** END OF AUTHORIZATION ***