

Name of Licensee: KANSAS CITY CATHOLIC NETWORK, INC.

Station Location: EL DORADO, KS

Frequency (kHz): 1360

Station Class: B

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: 0.240

Antenna Input Power (kW): Day: 1.1 Night: 0.26

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 4.65 Night: 2.25

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

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

Night:

Tower No.	ASRN	Overall Height (m)
1	1212059	
2	1211982	
3	1242905	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km) : Day: 306.93 Night: 149.81

Standard RMS (mV/m/km) : Day: 322.45 Night: 157.65

Augmented RMS (mV/m/km) :

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	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

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	84.6
2	0.8700	143.000	80.0000	50.000	0	84.6
3	0.6100	21.000	131.0000	347.000	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 Monitor Sample Current Ratio
1	0	1
2	90	0.88

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	138.9	0.9
3	20	0.63

Antenna Monitor: GORMAN REDLICH MODEL CMR-2

Sampling System Approved Under Section 73.68 of the Rules.

## Special operating conditions or restrictions:

## 1 MONITOR POINT DESCRIPTIONS

50°- Point located on west side of Bluestem Road, 150 feet north of intersection of Bluestem Road and the Shady Creek access road, 3.31 km from site, max 10.1 mV/m daytime.

27.5°- Point located in El Dorado State Park, 3.25 km from intersection of Bluestem Point Road and Route 177, and 24 meters south of road on west side of pavement, 5.6 km from site, max 4.5 mV/m nighttime.

142°- Point located 689 meters south of the intersection of SE 20th Street and SE Bluestem Road, on east side of pavement, 3.3 km from site, max 7.3 mV/m nighttime.

- 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 \*\*\*