



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

HOLY FAMILY RADIO
 2504 ARDMORE ST. SE
 GRAND RAPIDS MI 49506

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: June 24, 2013

Facility Id: 41667

Call Sign: WVHF

This license expires 3:00 a.m.
 local time, October 01, 2020.

License File Number: BML-20130315AEL

NON-COMMERCIAL STATION

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

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

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

Callsign: WVHF

License No.: BML-20130315AEL

Name of Licensee: HOLY FAMILY RADIO

Station Location: KENTWOOD, MI

Frequency (kHz): 1140

Station Class: D

Antenna Coordinates:

Day

Latitude: N 42 Deg 56 Min 09 Sec

Longitude: W 85 Deg 27 Min 26 Sec

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

Nominal Power (kW): Day: 5.0

Antenna Input Power (kW): Day: 5.4

Antenna Mode: Day: DA

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

Current (amperes): Day: 10.39

Resistance (ohms): Day: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1009833	
2	1009834	
3	1009835	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 739.61

Standard RMS (mV/m/km): Day: 777.6

Augmented RMS (mV/m/km):

Q Factor: Day:

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	90.0
2	1.8630	215.230	80.0000	280.000	0	90.0
3	1.0000	70.460	80.0000	280.000	1	90.0

* 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 Current Ratio
1	144	0.555
2	0	1
3	-153	0.565

Antenna Monitor: POTOMAC INSTRUMENTS AM-19

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
20	5.21	1.89
36	5.07	5.4
100	5.12	13
145	3.75	3.2

Special operating conditions or restrictions:

1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three uniform cross section, guyed, series excited, vertical towers.

Ground System consists of 120-216' equally spaced buried, copper radials about the base of each tower. Radials are shortened and bonded to transverse copper straps.

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Daytime:

Direction of 20 True North: The monitor point is south side of Gravel road; 50' east of east property boundary to 9401 Conservation SE on north side of road; by two large trees to the south edge of road. This is point #20.

Direction of 36 True North: From intersection of Bailey SE and Parnell NE, turn left on Parnell NE and proceed 0.7 miles to the monitor point. The monitor point is west side of road, alongside of blue painted circle on the road. This is point #21.

Direction of 100 True North: From intersection of Ada SE, in the town of Ada, Michigan and highway M-21, turn right on highway M-21 and proceed 5.2 mile to the monitor point. The monitor point is south edge of highway M-21 alongside "Pass-with-Care" sign by blue arrow painted on pavement. This is point #17.

Direction of 145 True North: The monitor point is west edge of Snow SE at driveway to Snow United Methodist Church, between two white posts marking the extreme edges of the driveway. This is point #17.

*** END OF AUTHORIZATION ***