



United States of America
FEDERAL COMMUNICATIONS COMMISSION
LOW POWER FM BROADCAST STATION
CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

WOODWARD CATHOLIC RADIO, INC.
2020 OKLAHOMA AVENUE
WOODWARD OK 73801

James D. Bradshaw
Deputy Chief
Audio Division
Media Bureau

Facility ID: 195626

Call Sign: KFPP-LP

Permit File Number: BNPL-20131114BIB

Grant Date: January 27, 2014

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

This authorization re-issued July 24, 2015 to extend the construction
permit period an additional 18 months per Section 73.3598.

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 made only 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. See Section
73.875.

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

Name of Permittee: WOODWARD CATHOLIC RADIO, INC.

Station Location: OK-WOODWARD

Frequency (MHz): 93.3

Channel: 227

Class: LP100

Hours of Operation: Unlimited

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

Transmitter output power: As required to operate within authorized range of effective radiated power.

Antenna type: Non-Directional

Antenna Coordinates: North Latitude: 36 deg 25 min 59 sec

West Longitude: 99 deg 24 min 32 sec

Maximum Effective radiated power in the Horizontal Plane (watts): 100

Minimum Effective radiated power in the Horizontal Plane (watts): 50

Height of radiation center above ground (Meters): 30

Height of radiation center above mean sea level (Meters): 625

Height of radiation center above average terrain (Meters): 7

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 30 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

None Required

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

*** END OF AUTHORIZATION ***

Certification Narratives

The Applicant submits the following information in support of its application (the “Application”) for a new noncommercial radio station.

Eligibility Certifications

The Commission has previously granted a broadcast application BNPL-20131114BIB that found the Applicant qualified as a noncommercial educational entity with a qualifying educational program. The Applicant will use the proposed station to advance a program similar to that the Commission has found qualifying in applicant's previous application.

Other Authorizations

The Applicant possesses an attributable interest in the following facility:

- KFPP-LP (195626), Woodward, OK

Established Local Applicant

The Applicant localism is a matter of record with the FCC.

The Applicant established it was a local entity on the basis of the home addresses of the boards members in BNPL-20131114BIB. The membership of the board and their home addresses have not changed.

Furthermore, the Applicant has operated its LPFM station in the community since 2017.

Diversity of Ownership and Divestiture Pledge

The Applicant is the licensee of KFPP-LP (FID 195626), Woodward, OK (the “Station”).

The Station is the Applicant’s sole “authorized station.”

The Applicant will divest its interest in the Station upon commencement of operation of the station proposed in the instant application.

Consequentially, it is not possible for the principal community contour of the station proposed herein to overlap the principal community contour of any other currently authorized station in which the any party to the instant application possesses an attributable interest as defined by 47 CFR 73.3555.

The Applicant and every party to the Application pledge to comply with the restrictions on station modifications and acquisitions, as defined in 47 CFR Section 73.7005, during the period from grant of the construction permit until the station has achieved at least four years of on-air operations.

Basis of Calculations

All exhibits and calculations accompanying the Application were prepared using FCC NGDC 30 Second terrain data unless noted otherwise.

All population measurements were made using census block data available from the United States Bureau of the Census. The data is from the 2010 Census. The centroid method was utilized for all population measurements.

All contours are based on the standard predicted contours established in 47 CFR § 73.313(c).

Reasonable Assurance

The Applicant has reasonable assurance from Tillman Infrastructure that the space on the structure identified herein is available.

That assurance was obtained from the following individual:

Name: Juliette Hamer

Title: Business Development, Account Executive (employee of owner)

Phone: (303) 945-0780

Woodward Catholic Radio, Inc.

Amended 8/18/2022

REFERENCE CH# 205A - 88.9 MHz, Pwr= 4 kw, HAAT= 29.8 M, COR= 653.2 M
36 23 20.60 N. Average Protected F(50-50)= 14.18 km
99 23 22.80 W. Omni-directional

DISPLAY DATES
DATA 08-18-22
SEARCH 08-18-22

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
205A Woodward	769014	APP _CN OK		0.0 0.0	0.00 0000167721	36 23 20.60 99 23 22.80	6.000 33		64	---Reference---	Woodward Catholic Radio, I
205A Woodward	764005	APP _CN OK		292.1 112.1	3.89 0000165757	36 24 08.00 99 25 48.00	1.000 113	67.3 746	22.0	-77.6*	-77.2*
205A Hardtner	KLJC	CP _CN KS		41.2 221.7	94.20 0000166648	37 01 27.00 98 41 24.00	0.750 76	52.5 525	15.0	20.5	5.8
206C1 Clinton	KQOU	LIC _CN OK		161.0 341.2	111.01 BLED20021001AAC	35 26 40.20 98 59 23.30	40.000 193	82.0 680	55.4	13.1	34.4
204A Fairview	764004	CP DCN OK		104.4 284.8	72.90 0000165741	36 13 25.00 98 36 08.00	0.200 105	6.0 573	4.2	45.5	36.2
205C1 Oklahoma City	KYLV	LIC DCN OK		117.7 298.8	194.54 BLED20120724AEJ	35 33 37.20 97 29 07.10	5.900 464	132.6 814	55.0	40.9	66.8

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.
« = Station meets FCC minimum distance spacing for its class.

May

47 C.F.R. Section 73.515 Compliance

FM Expansion Group, LLC

Fort Supply

Proposed
Community of
License

099-40-00 W

099-30-00 W

099-20-00 W

099-10-00 W

36-30-00 N

Proposed 60 dBu

Fargo

Woodward

Mooreland

769014.A

36-20-00 N

Gage

769014.A

Latitude: 36-23-20.60 N
Longitude: 099-23-22.80 W
ERP: 4.00 kW
Channel: 205
Frequency: 88.9 MHz
AMSL Height: 653.18 m
Elevation: 623.18 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Sharon

Scale 1:250,000

0 4 8 12 16 20 mi

V-Soft Communications LLC ©

Service Count: 769014.A (205): FCC F(50-50) 60.00 dBu (FCC HAAT)

Reference Area: 769014.A (205): FCC F(50-50) 60.00 dBu (FCC HAAT)

Counting Grid Cell Size: 0.05 sq. km

Population Database: 2010 US Census (PL)

Services Included in Count:

769014.A (205): FCC F(50-50) 60.00 dBu (FCC HAAT)

KWOU (201): FCC F(50-50) 60.00 dBu (FCC HAAT)

KJOV (214): FCC F(50-50) 60.00 dBu (FCC HAAT)

Count Area	Population Area (sq. km)	
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0 Service	0	0.00
1 Service	0	0.00
2 Service	0	0.00
3 or more	17,112	983.92
Reference Area	17,112	983.92

	Service Pop	Running Total	Percent
0 Service	0	0	0.0 %
1 Service	0	0	0.0 %
2 Service	0	0	0.0 %
3 or more	17,112	17,112	100.0 %

	Population
Oklahoma	
Woodward County	
Total	20,081
3 or more	17,112
Reference Area	17,112

Woodward Catholic Radio, Inc. (the "Applicant")

Woodward, OK

Channel 205

Environmental Effect

The grant of the construction permit requested in the Application will not have a significant environmental effect.

The antenna proposed in the Applicant does not involve a site location specified in 47 CFR Section 1.1307(a)(1)-(7).

No high intensity lighting as specified in 47 CFR Section 1.1307(a)(9) is proposed.

Finally, the proposed facility will not result in human exposure to radiofrequency (RF) radiation in excess of safety standards specified in Section 1.1307(b). Effective October 15, 1997, the FCC adopted revised guidelines and procedures for evaluating the environmental effects of RF emissions. These revised guidelines incorporate two tiers of exposure limits based on whether exposure occurs in a "controlled" (occupational) situation of an "uncontrolled" (general population) situation. Based on the methods published in OET Bulletin No. 65 (entitled "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields"), the predicted power density value produced by the proposed facility will be well below the established ANSI guideline limits.

Verification of compliance with FCC-specified guidelines for human exposure to RF radiation was determined utilizing the equations and graphs set forth in OET Bulletin No. 65. The bulletin prescribes that the fraction of the recommended limit incurred within each frequency interval should be determined and that the sum of all fractional contributions should not exceed 100%.

The proposed facility will operate with a radiation centerline at 30.0 meters above ground level (AGL) and an ERP of 4 kw and circular polarization. The Applicant intends to use a Two-bay EPA Type 3 antenna. The antenna will employ half-wave spacing.

Utilizing FMModel it was determined that the highest value of power density occurs at 18.8 meters from the base of the tower and is 49.06 $\mu\text{W}/\text{cm}^2$. That value is less than the 200 $\mu\text{W}/\text{cm}^2$ MPE limit for uncontrolled/general exposures. It is also less than the MPE for occupational/controlled areas.

Since the proposed power density is less than 100 percent of the ANSI guideline, the proposed facility complies with FCC requirements regarding radiofrequency radiation. In addition, the base of the tower will be fenced, and warning signs will be posted at appropriate intervals to preclude casual access.

Furthermore, the applicant will ensure protection to station personnel working in the vicinity of their antenna. Access to the antenna supporting tower base will be restricted to authorized personnel only. The applicant for the proposed station will reduce power or cease operation, when appropriate and deemed necessary, during times of service or maintenance of the transmitting system or when work is being performed on the tower to avoid potentially harmful exposure to station personnel or workers. The applicant will initiate joint procedures with common users to be followed during times of service or maintenance of the transmission systems when necessary to avoid potentially harmful exposure to personnel.