

**Technical Report
WIXX(FM) 266C Auxiliary Application**

This technical report is submitted for an auxiliary facility application for WIXX(FM) 266C at Green Bay, WI, FCC facility I.D. 42087.

WIXX(FM) Auxiliary Facility:

The auxiliary facility will be located at the existing tower, ASR# 1312884, at coordinates:

44 24 35.0 N 88 00 05.3 W NAD 83.

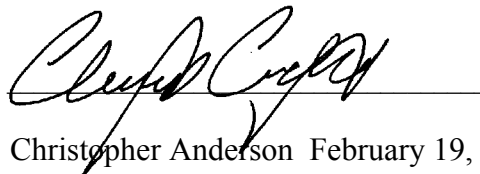
An ERI MPX-3E three bay, full wavelength-spaced, nondirectional antenna will be mounted at a COR AGL of 80.5 meters, 354.8 meters AMSL, and operate at 28.0 kW ERP. Exhibit E-1 shows the auxiliary facility 60 dBu contour is completely contained within the primary WIXX(FM) 60 dBu contour, following CFR §73.1675(a)(1)(ii).

RF Exposure Calculation:

The RF contribution of the WIXX(FM) auxiliary facility was calculated using the FMModel program (exhibit E-2). The resulting value is $31.8 \mu\text{W}/\text{cm}^2$ at a distance of 39.4 meters from the base of the tower, which is below the $200 \mu\text{W}/\text{cm}^2$ maximum permissible for general public exposure.

Conclusion:

It is concluded that the WIXX(FM) auxiliary application complies with all Commission rules and policies.



Christopher Anderson February 19, 2020
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WIXX(FM) Aux.

Latitude: 44-24-35 N
Longitude: 088-00-05.30 W
ERP: 28.00 kW
Channel: 266
Frequency: 101.1 MHz
AMSL Height: 354.8 m
Elevation: 274.3 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WIXX(FM) 266C Aux.
60 F(50-50) dBu Contour

WIXX(FM) 266C Lic.
60 F(50-50) dBu Contour

Green Bay

Appleton

Oshkosh

Sheboygan

Scale 1:1,000,000
0 10 20 30 km

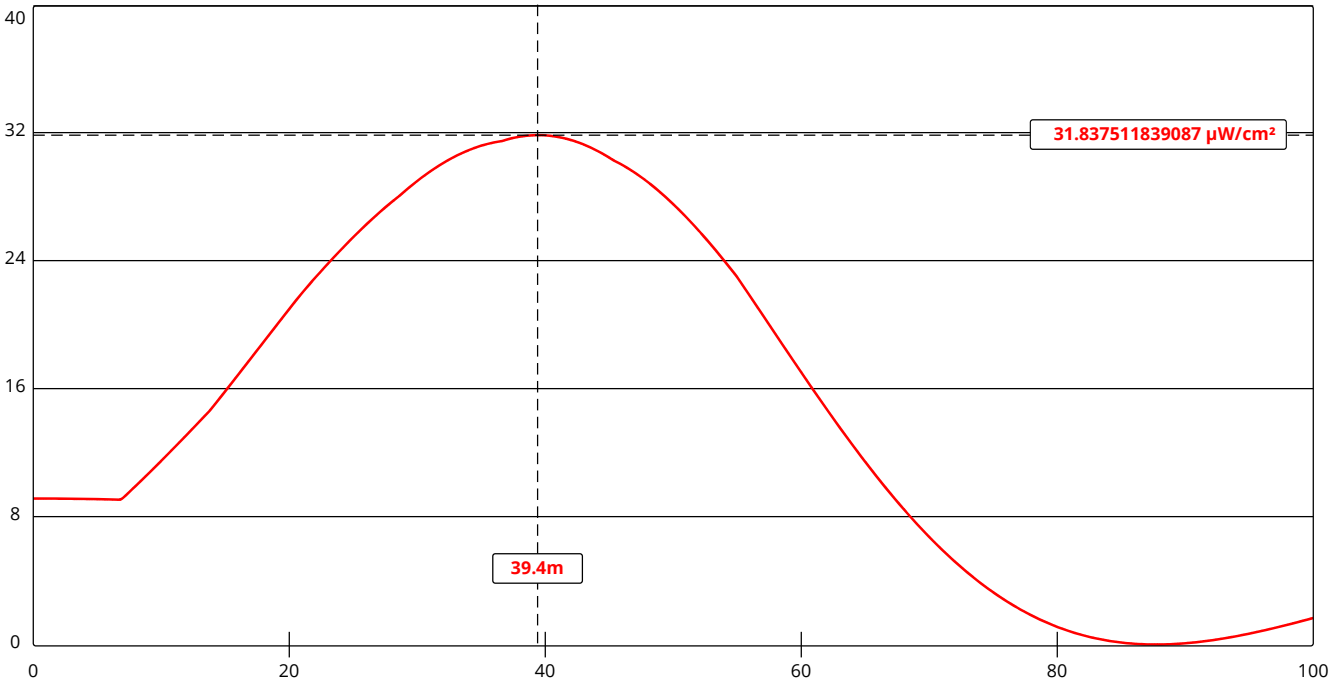
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Scale 1:1,000,000

0 10 20 30 km

E-2 WIXX(FM) 266C Auxiliary RF Calculation

FM Model



Channel Selection	Channel 266 (101.1 MHz)		
Antenna Type +	EPA Type 3: Opposed U Dipole		
Height (m)	80.5	Distance (m)	100
ERP-H (W)	28000	ERP-V (W)	28000
Num of Elements	3	Element Spacing (λ)	1
Num of Points	500		

E-3 WIXX(FM) 266C Auxiliary Tower ASR

ASR Registration 1312884

Registration Detail

Reg Number	1312884	Status	Constructed
File Number	A1148751	Constructed	11/27/2019
EMI	No	Dismantled	
NEPA			

Antenna Structure

Structure Type GTOWER - Guyed Structure Used for Communication Purposes

Location (in NAD83 Coordinates)

Lat/Long	44-24-35.0 N 088-00-05.3 W	Address	4121 Heritage Road, DePere, WI
City, State	DePere , WI		
Zip	54115	County	BROWN
Center of AM Array		Position of Tower in Array	

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
274.3	92.1
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
366.4	92.1

Painting and Lighting Specifications

None

FAA Notification

FAA Study	2019-AGL-9514-OE	FAA Issue Date	08/28/2019
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Owner & Contact Information

FRN	0008003097	Owner Entity Type	Corporation
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Owner

Gray Television Group, Inc.
4370 Peachtree Road, NE
Atlanta , GA 30319

P: (404)504-9828
F:
E: Robert.Folliard@gray.tv

Contact

Stewart , Joan
1776 K Street, NW
Washington , DC 20006

P: (202)719-7438
F:
E: jstewart@wileyrein.com

Last Action Status

Status	Constructed	Received	11/27/2019
Purpose	Notification	Entered	11/27/2019
Mode	Interactive		