

**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.**

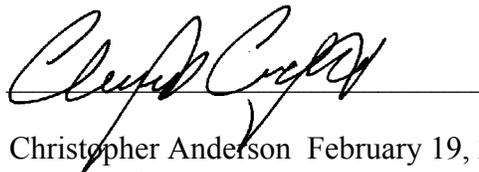
An ERI MPX-3E three bay, full wavelength-spaced, nondirectional antenna will be mounted at a COR AGL of 80.5 meters, 354.8 meters AMSL, and operate at 28.0 kW ERP. Exhibit E-1 shows the auxiliary facility 60 dBu contour is completely contained within the primary WIXX(FM) 60 dBu contour, following CFR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

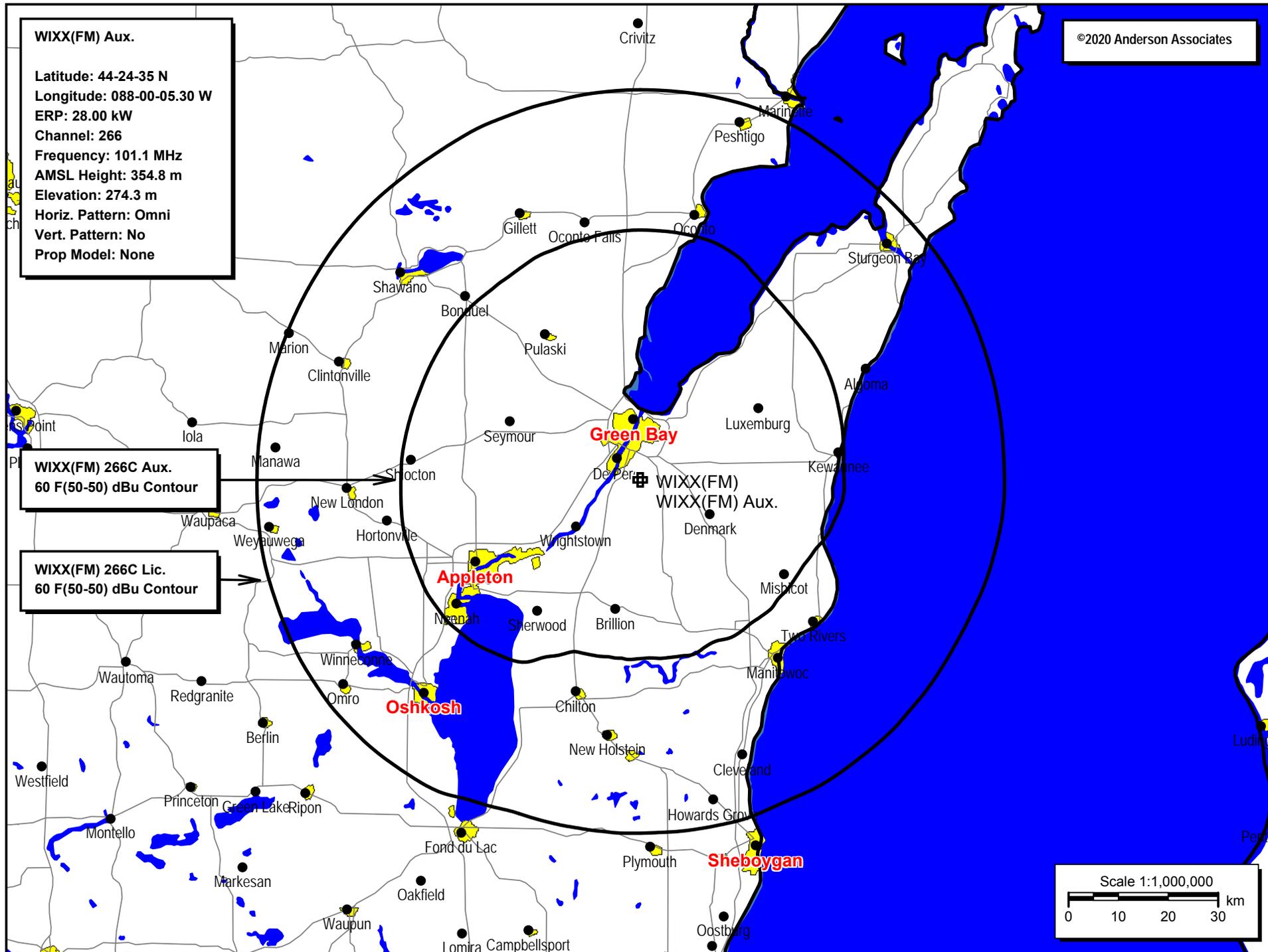
**Conclusion:**

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



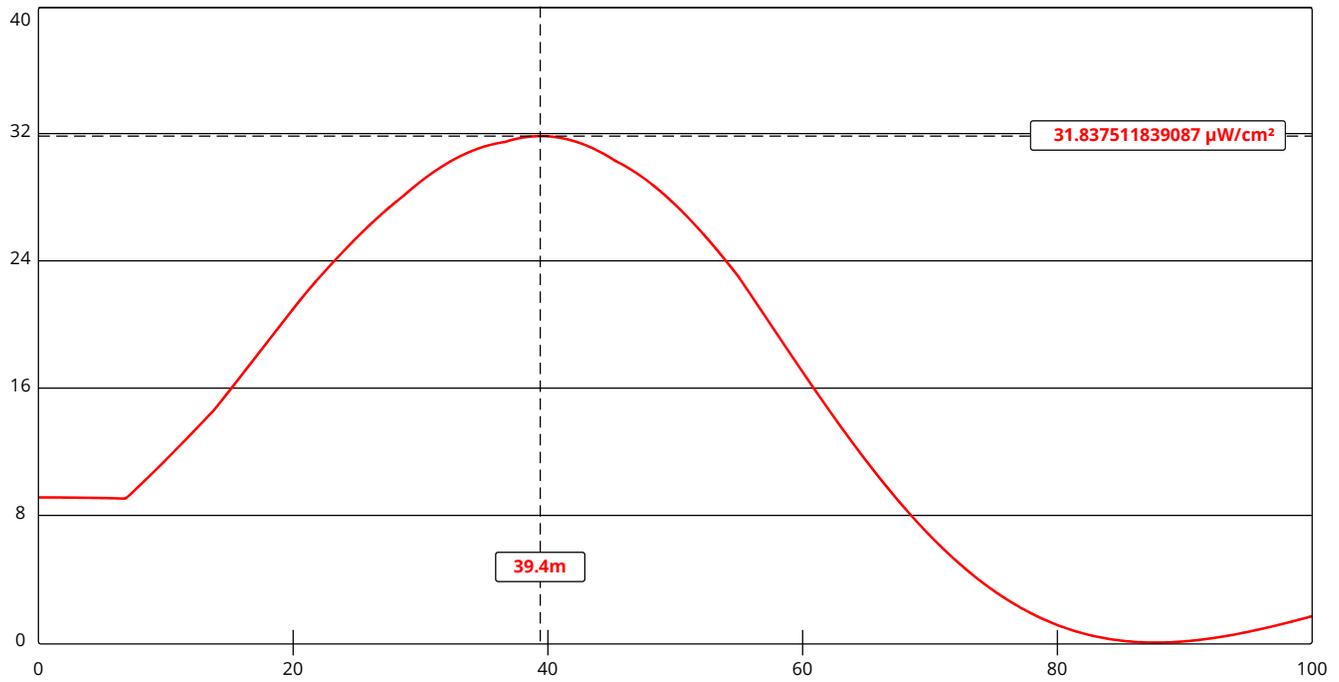
Christopher Anderson February 19, 2020  
andersce@bham.rr.com  
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# E-1 WIXX(FM) 266C Auxiliary 60 dBu Contour Plot



# 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	274.3	Overall Height Above Ground (AGL)	92.1
Overall Height Above Mean Sea Level	366.4	Overall Height Above Ground w/o Appurtenances	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	Corporation
		Type	

#### 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		