

NED 03 SEC Terrain Database  
US Census 2010 PL Database  
NAD 1983 Coordinate Datum

## Columbus, OH - WSNY(FM) (Auxiliary FM)

### Service Contour Study:

#### Proposed Auxiliary vs Primary

#### 47 C.F.R. Section 73.1675(a)(1)(ii) Study

**Primary 1.0 mV/m (60 dBμ) Contour**

**Proposed Auxiliary 1.0 mV/m (60 dBμ) Contour**

WSNY(FM).L  
Columbus, OH  
BLH19850605KO  
Facility ID: 22339  
Latitude: 39-58-16.20 N  
Longitude: 083-01-39.60 W  
ERP: 22.00 kW  
Channel: 234B (94.7 MHz)  
AMSL Height: 475.0 m  
Pattern: Omni

60 dBμ F(50:50) Contour  
Total Population: 1,748,048  
Total Area: 8,522.8 sq. km

WSNY(FM).aux  
Columbus, OH  
Proposed Aux Operation  
Facility ID: 22339  
Latitude: 40-02-50.20 N  
Longitude: 083-03-42.30 W  
ERP: 46.00 kW  
Channel: 234B (94.7 MHz)  
AMSL Height: 327.0 m  
Horiz. Pattern: Omni

60 dBμ F(50:50) Contour  
Total Population: 1,504,275  
Total Area: 4,290.2 sq. km

Asher Broadcast Consulting LLC  
justinasher@consultant.com  
1 (202) 875-2986

Terrain  
164 468 m

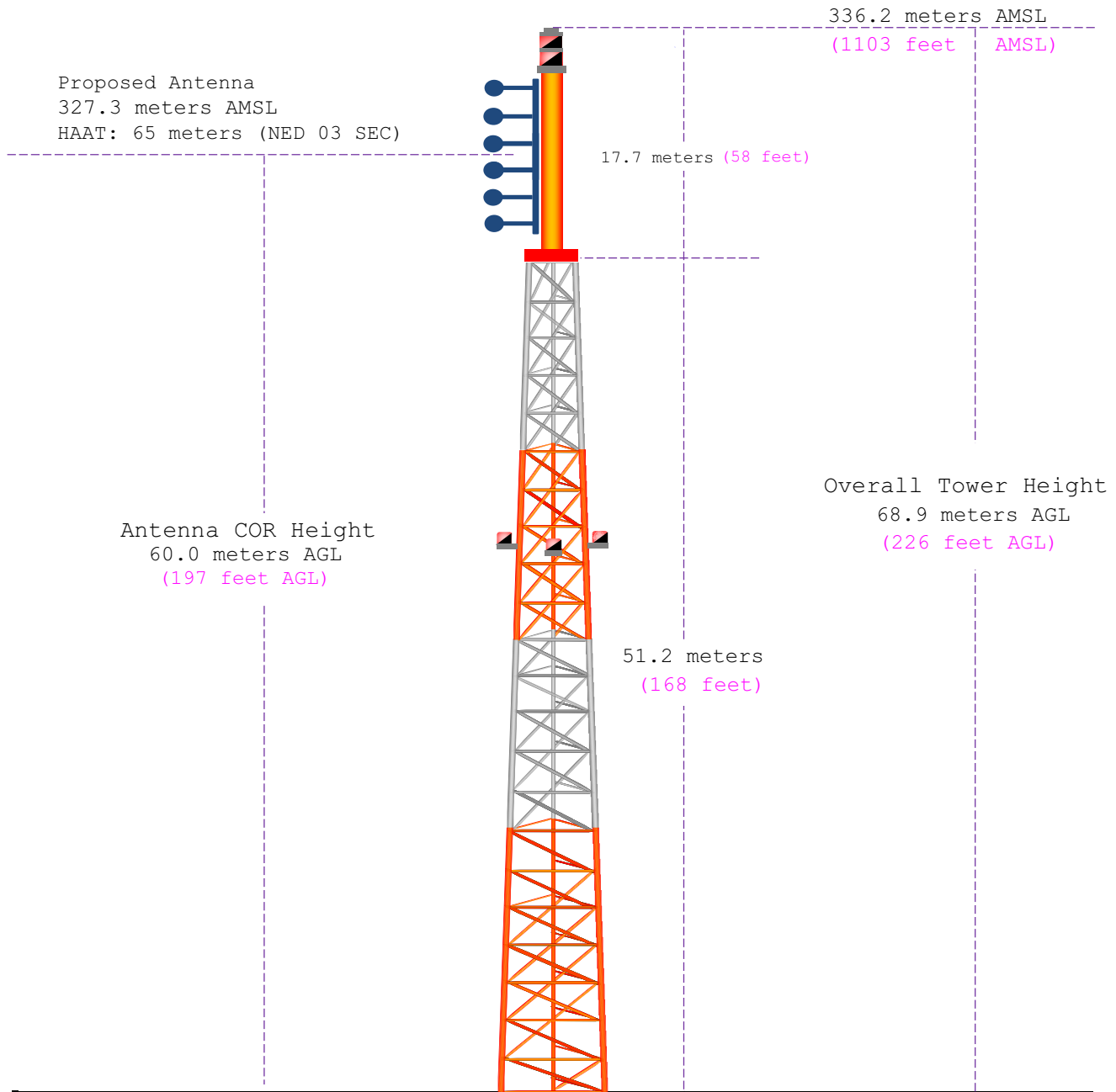
Scale 1:750,000  
0 10 20 30 km

#### §73.1675(a)(1)(ii) Auxiliary antennas.

An auxiliary antenna is one that is permanently installed and available for use when the main antenna is out of service for repairs or replacement. An auxiliary antenna may be located at the same transmitter site as the station's main antenna or at a separate site. The service contour of the auxiliary antenna may not extend beyond the following corresponding contour for the main facility: (ii) FM stations: The 1.0 mV/m field strength contours.

# ***Columbus, OH - WSNY(FM) (Auxiliary FM)***

## ***Vertical Plan of Antenna System***



Ground Elevation: 267.3 meters AMSL (877 feet AMSL)		
Address: 4401 Carriage Hill Lane		
City: Columbus	Latitude (D M S) Longitude (D M S)	
County: Franklin	NAD 27 datum values: 40 02 49.97107 83 03 42.63114	
State: Ohio	NAD 83 datum values: 40 02 50.20000 83 03 42.30000	
Antenna Structure Registration 1255800	Drawing Is Not To Scale	Asher Broadcast Consulting, LLC justinasher@consultant.com 1(202)875-2986

# Columbus, OH - WSNY(FM) (Auxiliary FM)

## Antenna Structure Registration

*(public record copy)*

**Registration Detail**

Reg Number	1255800	Status	Constructed
File Number	A0521280	Constructed	10/24/2006
EMI	No	Dismantled	
NEPA	No		

**Antenna Structure**

Structure Type TOWER - Free standing or Guyed Structure used for Commu

**Location** (in NAD83 Coordinates)

Lat/Long	40-02-50.2 N 083-03-42.3 W	Address	4401 Carriage Hill Lane
City, State	Columbus , OH		
Zip	43220	County	FRANKLIN
Center of AM Array		Position of Tower in Array	

**Heights (meters)**

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
267.3	68.9
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
336.2	51.2

**Painting and Lighting Specifications**

FAA Chapters 3, 4, 5, 12

Paint and Light in Accordance with FAA Circular Number 70/7460-1K

**FAA Notification**

FAA Study	2006-AGL-3396-OE	FAA Issue Date	08/23/2006
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**Owner & Contact Information**

FRN	0003303344	Owner Entity Type
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**Owner**

Franklin Communications, Inc.  
73 Kercheval Avenue, Suite 201  
Grosse Pointe Farms , MI 48236

P: (313)886-7070  
F:  
E: gurbiel@sagacom.com

**Contact**

Smithwick , Gary S Esq  
5028 Wisconsin Avenue, NW, Ste. 301  
Washington , DC 20016

P: (202)363-4560  
F:  
E: gsmithwick@fccworld.com

**Last Action Status**

Status	Constructed	Received	10/24/2006
Purpose	Notification	Entered	10/24/2006
Mode	Interactive		

**Related Applications**

10/24/2006	A0521198 - New (NE)
10/24/2006	A0521280 - Notification (NT)

**Comments****Comments**

None

**History**

Date	Event
10/25/2006	Registration Printed
10/24/2006	Construction Notification Received
10/24/2006	New Application Received

**Automated Letters**

10/25/2006	Authorization, Reference 529924
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# ***Columbus, OH - WSNY(FM) (Auxiliary FM)***

## **HAAT and Miscellaneous Coordinate Information**

### **HAAT Calculation (1927):**

N. Lat. = 400250.2    W. Lng. = 830342.3  
 HAAT and Distance to Contour,  
 FCC, FM 2-10 Mi, 51 pts Method - NED 03 SEC

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	272.2	54.8	46.0000	16.63	1.000	34.43
045	264.0	63.0	46.0000	16.63	1.000	36.54
090	257.2	69.8	46.0000	16.63	1.000	38.08
135	238.8	88.2	46.0000	16.63	1.000	41.89
180	238.3	88.7	46.0000	16.63	1.000	41.99
225	270.9	56.1	46.0000	16.63	1.000	34.80
270	278.2	48.8	46.0000	16.63	1.000	32.49
315	273.6	53.4	46.0000	16.63	1.000	33.98

Ave EL= 261.66 M    HAAT= 65.34 M    AMSL= 327 M

### **NAD 1983 to NAD 1927 Conversion:**

	<u>Latitude</u>	<u>Longitude</u>
NAD 27 datum values:	40 02 49.97107	83 03 42.63114
NAD 83 datum values:	40 02 50.20000	83 03 42.30000

### **Various Coordinate Conversion Calculations (NAD 1983):**

Position Type	Lat Lon
<b>Degrees Lat Long</b>	40.0472778°, -083.0617500°
<b>Degrees Minutes</b>	40°02.83667', -083°03.70500'
<b>Degrees Minutes Seconds</b>	40°02'50.2000", -083°03'42.3000"
<b>UTM</b>	17T 324124mE 4435041mN
<b>UTM centimeter</b>	17T 324124.46mE 4435041.11mN
<b>MGRS</b>	17TLE2412435041
<b>Grid North</b>	-1.3°
<b>GARS</b>	194LW49
<b>Maidenhead</b>	EN80LB21OI13
<b>GEOREF</b>	GJGL56290283