

Catlettsburg, KY - WCMI-FM

Copy of Existing Antenna Structure Registration



Registration Detail

Reg Number	1041729	Status	Constructed
File Number	A0972430	Constructed	09/01/1999
EMI	No	Dismantled	
NEPA	No		

Antenna Structure

Structure Type GTOWER - Guyed Structure Used for Communication Purposes

Location (in NAD83 Coordinates)

Lat/Long	38-28-03.1 N 082-35-48.9 W	Address	0.32 KM SE OF WILDWOOD & LICK CREEK ROADS
City, State	SHERIDAN , OH	County	LAWRENCE
Zip	45680	Position of Tower in Array	
Center of AM Array			

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
253.9	123.1
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
377.0	122.2

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	2015-AGL-7480-OE	FAA Issue Date	05/28/2015
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Owner & Contact Information

FRN	0004246443	Owner Entity Type	Corporation
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Owner

Fifth Avenue Broadcasting Company, Inc.
Attention To: Jim Kowalski
555 Fifth Avenue, Suite K
HUNTINGTON , WV 25701

P: (304)523-8401
F:
E: jim@kindredcom.net

Contact

Kowalski , Jim
Attention To: Jim Kowalski
555 Fifth Avenue, Suite K
HUNTINGTON , WV 25701

P: (304)523-8401
F:
E: jim@kindredcom.net

Last Action Status

Status	Constructed	Received	06/02/2015
Purpose	Notification	Entered	06/02/2015
Mode	Interactive		

Related Applications

06/02/2015	A0972430 - Notification (NT)
06/01/2015	A0972392 - Modification (MD)
06/01/2015	A0972389 - Notification (NT)

Related applications (7)

Comments

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06/02/2015	Special Condition: The FAA has approved the absence of steady burning red obstruction (L-810) lights on this structure. Accordingly, this tower will use red flashing lights (L-864) only.
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06/02/2015	Refer to the Technical Report (Technical Note DOT/FAA/TC-TN12/9 Evaluation of New Obstruction Lighting Techniques to Reduce Avian Fatalities).

All comments (4)

History

Date

06/02/2015	Construction Notification Received
06/02/2015	Modification Received
06/02/2015	Registration Printed

All History (11)

Automated Letters

06/02/2015	Authorization, Reference
03/20/2003	Authorization, Reference 276350
03/09/2000	Construction Reminder, Reference 43048

North American Datum Conversion

NAD 83 to NAD 27

NADCON Program Version 2.11

Transformation #: 1 Region: Conus

	Latitude	Longitude
NAD 27 datum values:	38 28 2.80720	82 35 49.32591
NAD 83 datum values:	38 28 3.10000	82 35 48.90000
NAD 27 - NAD 83 shift values:	-0.29280	0.42591(secs.)
	-9.029	10.325 (meters)
Magnitude of total shift:		13.716(meters)

**Catlettsburg, KY - WCMJ-FM
USGS Aerial Photo-Map
of Existing Site**

Site Location (NAD 27)

NL: 38° 28' 03"

WL: 82° 35' 49"

(38-28-03.1NL; 82-35-48.9WL NAD1983)

833 ft / 254 m



0 100 200ft



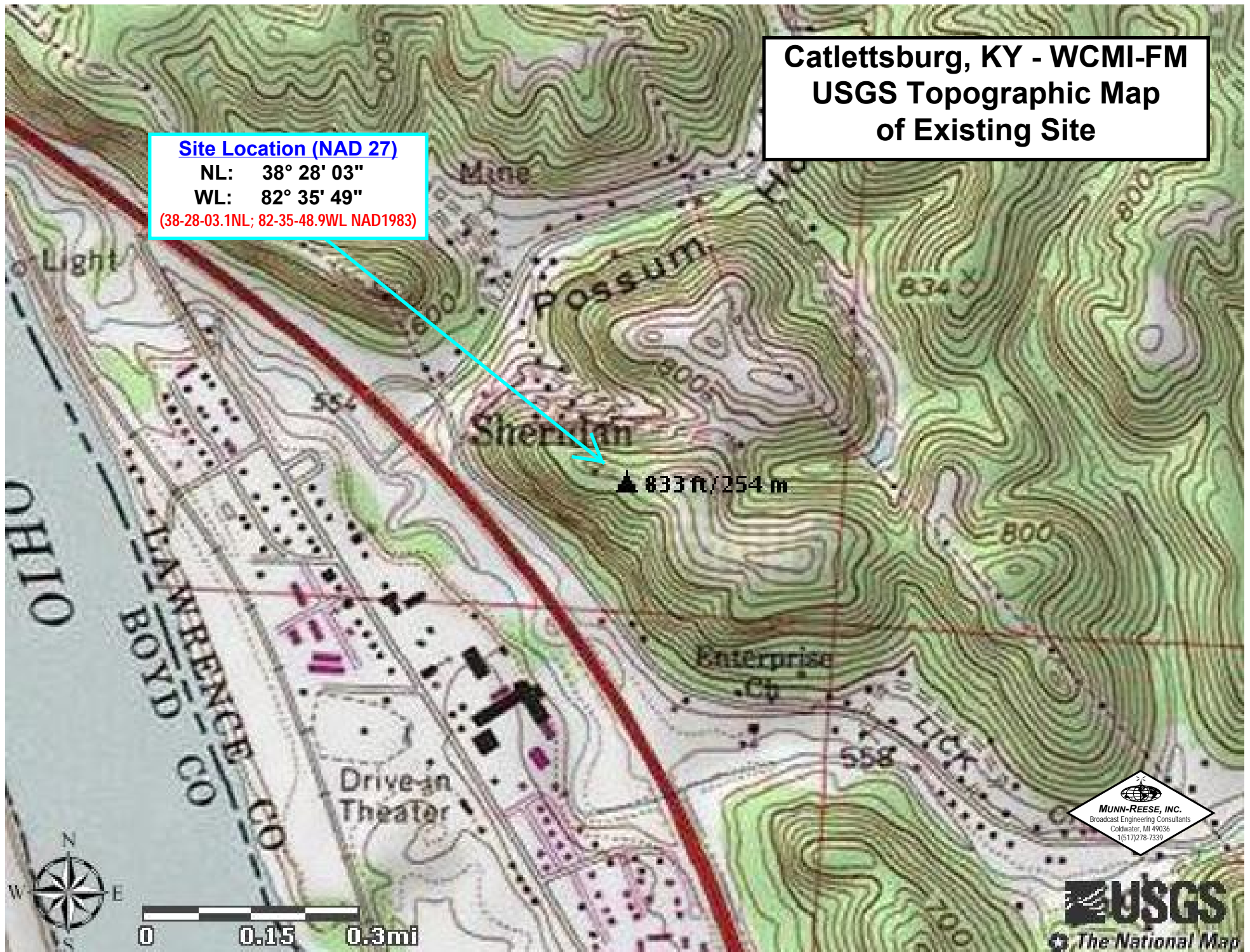
**Catlettsburg, KY - WCMI-FM
USGS Topographic Map
of Existing Site**

Site Location (NAD 27)

NL: 38° 28' 03"

WL: 82° 35' 49"

(38-28-03.1NL; 82-35-48.9WL NAD1983)



Catlettsburg, KY - WCMJ-FM

Vertical Plan of Antenna System

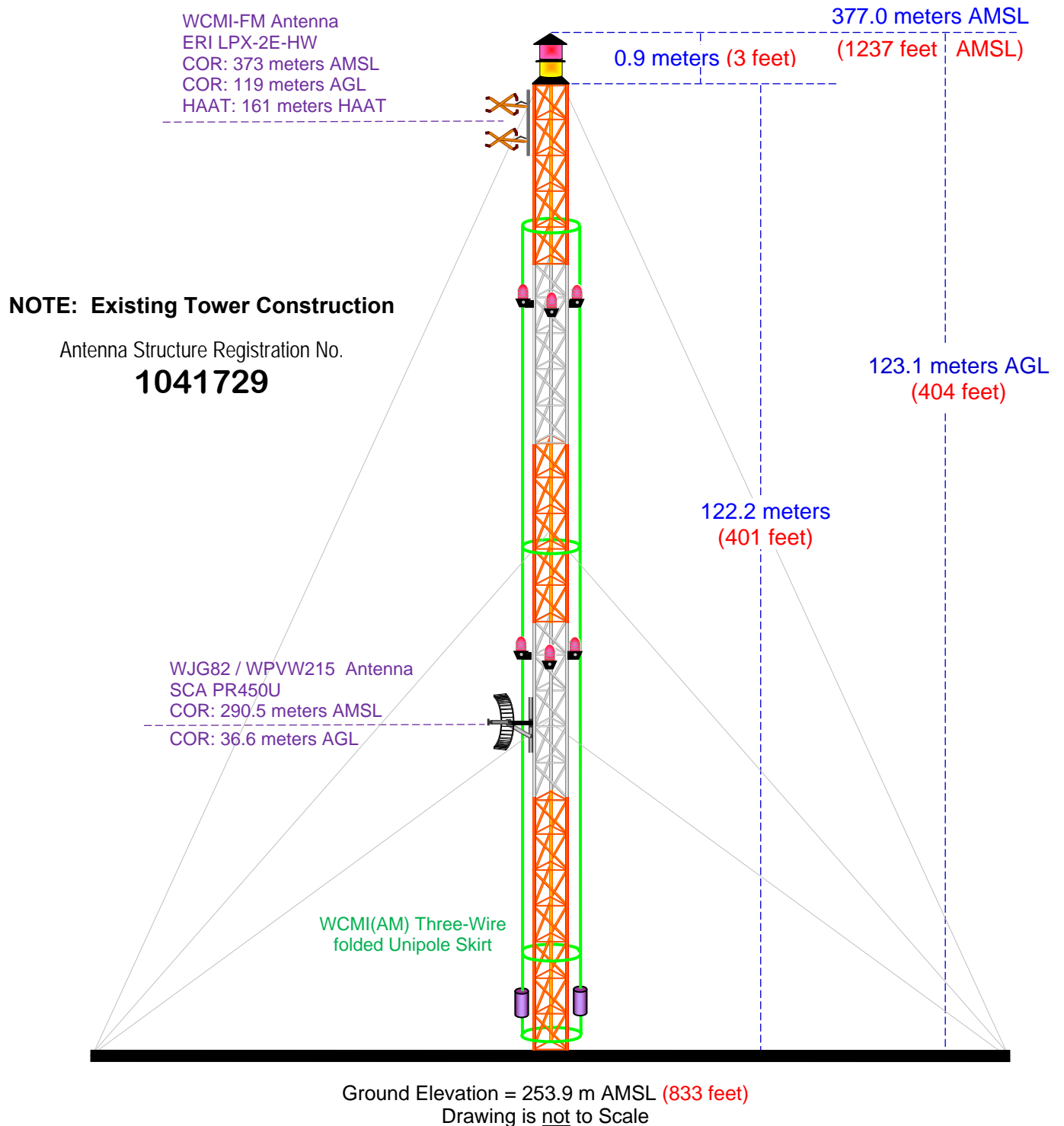
The site is located 0.32 km southeast of the intersection of Wildwood Road and Lick Creek Road; the city of Sheridan; Lawrence County, Ohio.

Site Location (NAD 27)

NL: 38° 28' 03"

WL: 82° 35' 49"

(38-28-03.1NL; 82-35-48.9WL NAD 1983)



Catlettsburg, KY - WCMI-FM

Proposed FM Operating Specifications

Applicant: Fifth Avenue Broadcasting Co., Inc.

Call: WCMI-FM

City of License: Catlettsburg, KY

Frequency: 92.7 MHz **Channel:** 224A **ERP:** 2.35 kW **HAAT:** 161 m

Transmitter Location: The site is located 0.32 km southeast of the intersection of Wildwood Road and Lick Creek Road.

City: Sheridan

County: Lawrence

State: Ohio

Site Coordinates: NL: 38° 28' 03" / WL: 82° 35' 49"

Tower Registration Number: 1041729

Proposed Operation: Class A

Effective Radiated Power: 2.35 kW (H) 2.35 kW (V)

Height of Antenna Radiation Center Above:

	<u>Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
Horizontal	161 meters	373 meters	119 meters
Vertical	161 meters	373 meters	119 meters

Elevation of Tower Site : 253.9 meters AMSL

Overall Height of Structure Above Ground : 123.1 meters AGL

Overall Height of Structure Above Mean Sea Level: 377.0 meters AMSL

USGS 03 SEC Terrain Database
U.S. Census 2010 PL Database

Catlettsburg, KY - WCMI-FM Licensed Service Contour Study

WCMI-FM
Catlettsburg, KY
Corrected Operation
Facility ID: 21589
Latitude: 38-28-03 N
Longitude: 082-35-49 W
ERP: 2.35 kW
Channel: 224A
Frequency: 92.7 MHz
AMSL Height: 373.0 m

70 dBμ F(50:50) Contour
Total Population: 150,103
Coverage Area: 815 sq. km

60 dBμ F(50:50) Contour
Total Population: 239,301
Coverage Area: 2,465 sq. km

N. Lat. = 382803 W. Lng. = 823549
HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - USGS 03 SEC

Azi	AV	EL	HAAT	ERP kW	dBk	Field	60-F5
000	231.4	141.6	2.350	3.71	1.000	26.66	
045	235.1	137.9	2.350	3.71	1.000	26.35	
090	232.9	140.1	2.350	3.71	1.000	26.53	
135	229.9	143.1	2.350	3.71	1.000	26.78	
180	160.2	212.8	2.350	3.71	1.000	32.30	
225	221.3	151.7	2.350	3.71	1.000	27.48	
270	204.4	168.6	2.350	3.71	1.000	28.84	
315	182.4	190.6	2.350	3.71	1.000	30.53	

Ave El=212.20 M HAAT=160.80 M AMSL= 373 M

