

**Registration Detail**

Reg Number	1213717	Status	Constructed
File Number	A0518950	Constructed	03/07/2005
EMI	No	Dismantled	
NEPA	No		

**Antenna Structure**

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

**Location** (in NAD83 Coordinates)

Lat/Long	42-27-27.2 N 085-14-52.6 W	Address	13475 S. M-37 Hwy
City, State	Battle Creek , MI		
Zip	49050	County	BARRY
Center of AM Array		Position of Tower in Array	

**Heights (meters)**

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
289.9	77.4
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
367.3	73.7

**Painting and Lighting Specifications**

FAA Chapters 4, 8, 12

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

**FAA Notification**

FAA Study	2006-AGL-6936-OE	FAA Issue Date	09/28/2006
-----------	------------------	----------------	------------

**Owner & Contact Information**

FRN 0013809207 Owner Entity Type

**Owner**

CROWN CASTLE TOWER 05 LLC	P: (724)416-2000 F:
Attention To: REGULATORY DEPARTMENT	E: REGULATORY.DEPARTMENT@CROWNCastle.COM
2000 CORPORATE DRIVE CANONSBURG , PA 15117	

**Contact**

P:  
F:  
E:

**Last Action Status**

Status	Constructed	Received	10/02/2006
Purpose	Notification	Entered	10/02/2006

## Exhibit 15.2

### Vertical Plan of Antenna System

The site is located at 13475 S. M-37 Highway,  
the city of Battle Creek, Barry County, Michigan.

#### Site Location (NAD 27)

NL: 42° 27' 27"

WL: 85° 14' 53"

(42-27-27.2NL; 85-14-52.6WL NAD1983)

#### NOTE: Existing Tower Construction

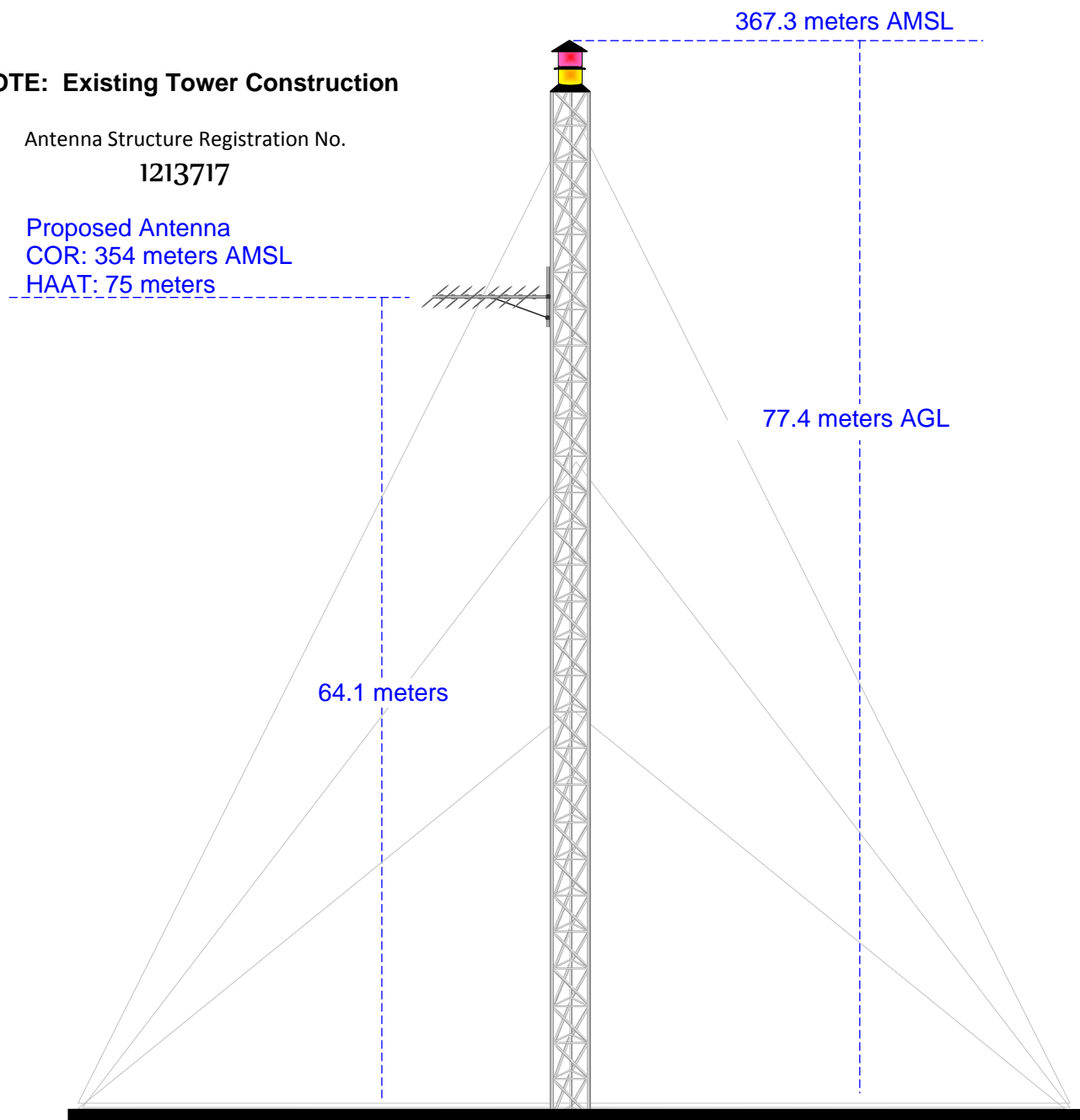
Antenna Structure Registration No.

1213717

Proposed Antenna

COR: 354 meters AMSL

HAAT: 75 meters



Ground Elevation = 289.9 m AMSL

Drawing is not to Scale

**MUNN-REESE, INC.**

Broadcast Engineering Consultants  
Coldwater, MI 49036

## Exhibit 15.3

### Proposed FM Operating Specifications

---

**Applicant:** Holy Family Radio, Inc.

**Call:** WSPB(FM)

**City of License:** Bedford, MI

**Frequency:** 89.7 MHz    **Channel:** 209A    **ERP:** 4.5 kW    **HAAT:** 75 M

**Transmitter Location:** 13475 South M-37 Highway

**City:** Battle Creek

**County:** Barry County

**State:** Michigan

**Site Coordinates:** NL: 42° 27' 27"    /    WL: 85° 14' 53"

**Tower Registration Number:** 1213717

**Proposed Operation:** Class A

**Effective Radiated Power:** 4.5 kW (H)    4.5 kW (V)

**Height of Antenna Radiation Center Above:**

	<u>Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
Horizontal	75 meters	354 meters	64 meters
Vertical	75 meters	354 meters	64 meters

**Elevation of Tower Site :** 289.9 Meters AMSL

**Overall Height of Structure Above Ground :** 77.4 Meters AGL

**Overall Height of Structure Above Mean Sea Level:** 367.3 Meters AMSL

## Exhibit 15.4 - Map Showing Present & Proposed Service Contours

**WSPB-Lic**  
 BLED20121108AMV  
 Latitude: 42-25-13 N  
 Longitude: 085-17-13 W  
 ERP: 0.205 kW  
 Channel: 209  
 Frequency: 89.7 MHz  
 AMSL Height: 294.0 m  
 Elevation: 285.0 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Prop Model: None

2010 Census Data:

60 dBu Contour

Total Population: 6,392  
 Total Area: 144 sq. km

**WSPB-App**  
 Bedford, MI  
 Latitude: 42-27-27 N  
 Longitude: 085-14-53 W  
 ERP: 4.50 kW  
 Channel: 209  
 Frequency: 89.7 MHz  
 AMSL Height: 354.0 m  
 Elevation: 289.0 m  
 Horiz. Pattern: Directional  
 Vert. Pattern: No  
 Prop Model: None

2010 Census Data:

60 dBu Contour

Total Population: 110,021  
 Total Area: 1,056 sq. km

