

Lima, OH - WEGE(FM)

Copy of Existing Antenna Structure Registration



Registration Detail

Reg Number	1052006	Status	Constructed
File Number	A1048509	Constructed	01/01/1963
EMI	No	Dismantled	
NEPA	No		

Antenna Structure

Structure Type	2GTA2		
Location (in NAD83 Coordinates)			
Lat/Long	40-43-22.9 N 084-05-01.2 W	Address	TWR 2 - INT OF 4TH ST & DT&I RR TRACKS
City, State	LIMA , OH		
Zip	45804	County	ALLEN
Center of AM Array	40-43-20.7 N 084-05-03.1 W	Position of Tower in Array	2 of 2

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
271.9	75.3
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
347.2	74.4

Painting and Lighting Specifications

FCC Paragraphs 1, 3, 11, 21

FAA Notification

FAA Study	2016-AGL-10855-OE	FAA Issue Date	08/23/2016
-----------	-------------------	----------------	------------

Owner & Contact Information

FRN	0022812564	Owner Entity Type	Limited Liability Company
-----	------------	-------------------	---------------------------

Owner

Childers Media Group LLC
Attention To: Matt Childers, President
57 Town Square
Lima , OH 45801

P: (419)331-1600
F: (419)228-5085
E: matt@cmgroup.co

Contact

Attention To: John C. Trent, Esq.
200 South Church Street
Woodstock , VA 22664

P: (540)459-7646
F: (540)459-7656
E: fccman3@shentel.net

Last Action Status

Status	Constructed	Received	08/31/2016
Purpose	Notification	Entered	08/31/2016
Mode	Interactive		

Related Applications

08/31/2016	A1048509 - Notification (NT)
08/30/2016	A1048418 - Modification (MD)
07/08/2013	A0843000 - Change Owner (OC)

Related applications (6)

Comments

Comments

None

History

Date	Event
09/01/2016	Registration Printed
08/31/2016	Construction Notification Received
08/31/2016	Modification Received

All History (13)

Automated Letters

09/01/2016	Authorization, Reference
07/09/2013	Authorization, Reference
07/09/2013	Ownership Change, Reference 763132

All letters (7)

Lima, OH - WEGE(FM)

Vertical Plan of Tower Construction

The site is located at 1613 East 4th Street;
the city of Lima; Allen County; the state of Ohio.

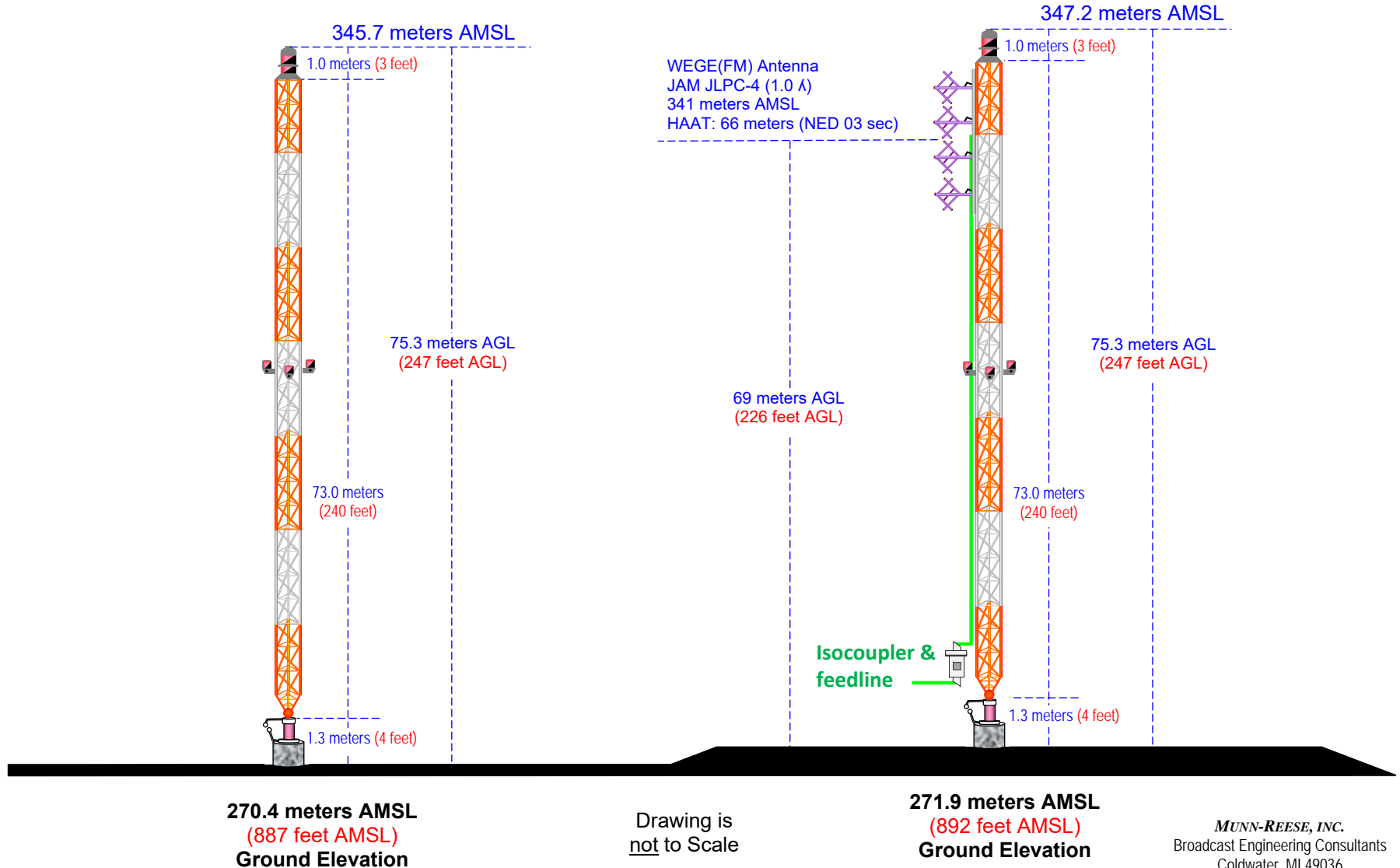
Center of Array AM:	<u>Latitude (D M S)</u>	<u>Longitude (D M S)</u>
NAD 27 datum values:	40 43 20.51689	84 05 3.29094
NAD 83 datum values:	40 43 20.70000	84 05 3.10000

ASR #1052005 (T1)

Southwest Tower:	<u>Latitude (DMS)</u>	<u>Longitude (DMS)</u>
NAD 27 datum values:	40 43 18.21692	84 05 5.19091
NAD 83 datum values:	40 43 18.40000	84 05 5.00000

ASR #1052006 (T2)

Northeast Tower:	<u>Latitude (DMS)</u>	<u>Longitude (DMS)</u>
NAD 27 datum values:	40 43 22.71685	84 05 1.39097
NAD 83 datum values:	40 43 22.90000	84 05 1.20000



Lima, OH - WEGE(FM)

FM Operating Specifications

Applicant: Childers Media Group LLC

Call: WEGE(FM)

City of License: Lima, OH

Frequency: 104.9 MHz **Channel:** 285A **ERP:** 3.0 kW **HAAT:** 66 m

Transmitter Location: The site is located at 1616 East 4th Street.

City: Lima

County: Allen

State: Ohio

Site Coordinates:

	<u>Latitude (D M S)</u>	<u>Longitude (D M S)</u>
NAD 27 datum values:	40 43 22.71685	84 05 1.39097
NAD 83 datum values:	40 43 22.90000	84 05 1.20000

Tower Registration Number: 1052006

Proposed Operation: Class A

Effective Radiated Power: 3.0 kW (H) 3.0 kW (V)

Height of Antenna Radiation Center Above:

	<u>Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
Horizontal	66 meters	341 meters	69 meters
Vertical	66 meters	341 meters	69 meters

Elevation of Tower Site : 271.9 meters AMSL

Overall Height of Structure Above Ground : 75.3 meters AGL

Overall Height of Structure Above Mean Sea Level: 347.2 meters AMSL

NED 03 SEC Terrain Database
US Census 2010 PL Database

Lima, OH - WEGE(FM) Licensed Service Contour Study

WEGE(FM)
Lima, OH
Corrected Operation
Facility ID: 1061
Latitude: 40-43-23 N
Longitude: 084-05-01 W
ERP: 3.00 kW
Channel: 285A (104.9 MHz)
AMSL Height: 341.0 m
Horiz. Pattern: Omni

70 dBμ F(50:50) Contour
Total Population: 82,862
Coverage Area: 386.6 sq. km

60 dBμ F(50:50) Contour
Total Population: 111,074
Coverage Area: 1,239.1 sq. km

N. Lat. = 404323.0 W. Lng. = 840501.0
HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - NED 03 SEC

Azi. AV EL HAAT kW dBk Field 70-F5 60-F5

000	257.9	83.1	3.0	4.77	1.000	12.30	22.14
045	273.3	67.7	3.0	4.77	1.000	11.21	20.07
090	302.7	38.3	3.0	4.77	1.000	8.38	14.80
135	301.6	39.4	3.0	4.77	1.000	8.51	15.01
180	287.8	53.2	3.0	4.77	1.000	10.04	17.84
225	268.3	72.7	3.0	4.77	1.000	11.57	20.76
270	258.4	82.6	3.0	4.77	1.000	12.27	22.08
315	252.2	88.8	3.0	4.77	1.000	12.69	22.86

Ave El= 275.26 M HAAT= 65.74 M AMSL= 341 M

