

Key West, FL - WYBX(FM)

Copy of Existing Antenna Structure Registration

(Public Record Copy)

Registration Detail

Reg Number	1029778	Status	Constructed
File Number	A0035284	Constructed	01/01/1995
EMI	No	Dismantled	
NEPA	No		

Antenna Structure

Structure Type 2TOWER - Multiple Structures - The N is the # of structu

Location (in NAD83 Coordinates)

Lat/Long	24-34-21.0 N 081-44-24.0 W	Address	7 MAC DONALD AVE
City, State	KEY WEST , FL		
Zip	33040	County	MONROE
Center of AM Array		Position of Tower in Array	

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
1.0	37.0
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
38.0	36.5

Painting and Lighting Specifications

None

FAA Notification

FAA Study	89-ASO-541-OE	FAA Issue Date	07/11/1989
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Owner & Contact Information

FRN	Owner Entity Type
Owner	
SPOTTSWOOD FAMILY TRUST	P: (305)294-9556
Attention To: JOHN M SPOTTSWOOD	F:
500 FLEMING ST	E:
KEY WEST , FL 33040	
Contact	
	P:
	F:
	E:

Last Action Status

Status	Constructed	Received	09/16/1997
Purpose	New	Entered	09/22/1997
Mode	Mail In (Manual)		

Related Applications

09/16/1997 A0035284 - New (NE)

Comments**Comments**

None

History

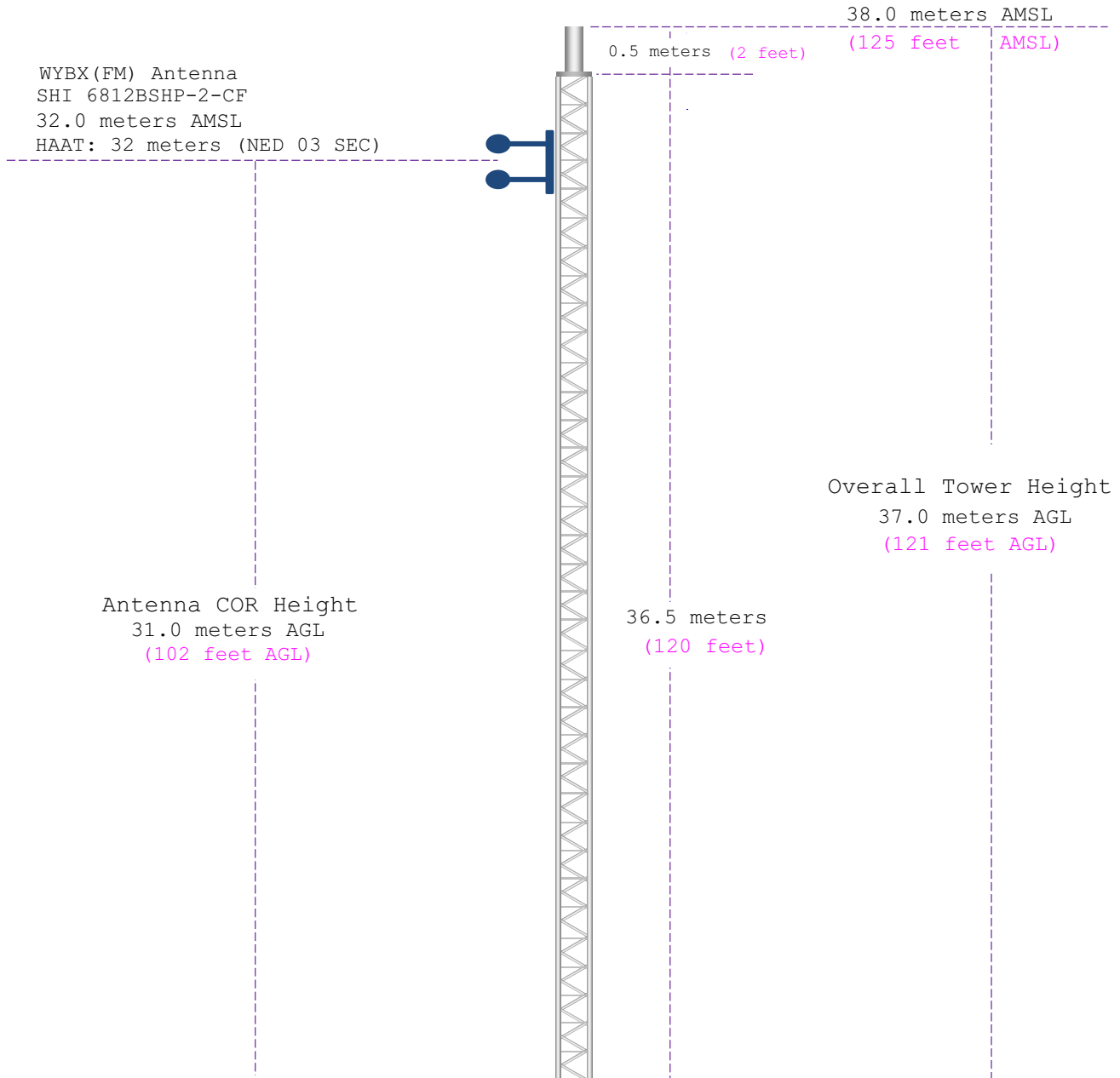
Date	Event
None	

Automated Letters

None

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Vertical Plan of Antenna System



Ground Elevation: 1.0 meters AMSL (3 feet AMSL)		
Address: 7 MacDonald Avenue		
City: Key West	Latitude (D M S) Longitude (D M S)	
County: Monroe	NAD 27 datum values: 24 34 19.47436 81 44 24.67583	
State: Florida	NAD 83 datum values: 24 34 21.00000 81 44 24.00000	
Antenna Structure Registration 1029778	Drawing Is Not To Scale	Asher Broadcast Consulting, LLC justinasher@consultant.com 1(202)875-2986

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HAAT and Miscellaneous Coordinate Information

HAAT Calculation (1927):

N. Lat. = 243419.0 W. Lng. = 814425.0
 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	0.0	32.0	1.9000	2.79	1.000	12.18
045	0.0	32.0	1.9000	2.79	1.000	12.18
090	0.0	32.0	1.9000	2.79	1.000	12.18
135	0.0	32.0	1.9000	2.79	1.000	12.18
180	0.0	32.0	1.9000	2.79	1.000	12.18
225	0.0	32.0	1.9000	2.79	1.000	12.18
270	0.0	32.0	1.9000	2.79	1.000	12.18
315	0.0	32.0	1.9000	2.79	1.000	12.18

Ave El= 0.01 M HAAT= 31.99 M AMSL= 32 M

NAD 1983 to NAD 1927 Conversion:

	Latitude	Longitude
NAD 27 datum values:	24 34 19.47436	81 44 24.67583
NAD 83 datum values:	24 34 21.00000	81 44 24.00000

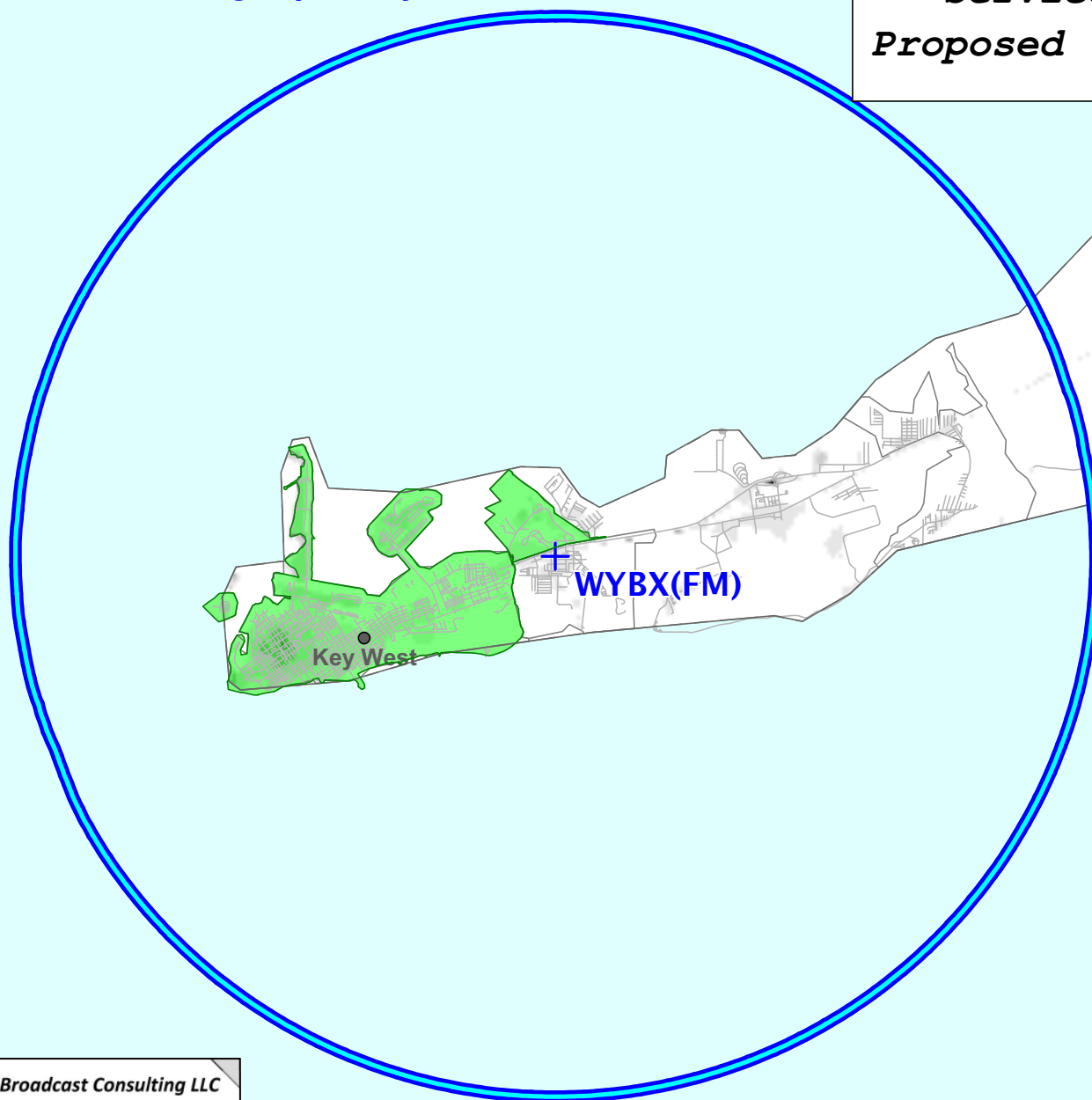
Various Coordinate Conversion Calculations (NAD 1983):

Position Type	Lat Lon
Degrees Lat Long	24.5725000°, -081.7400000°
Degrees Minutes	24°34.35000', -081°44.40000'
Degrees Minutes Seconds	24°34'21.0000", -081°44'24.0000"
UTM	17R 425069mE 2717813mN
UTM centimeter	17R 425069.14mE 2717813.86mN
MGRS	17RMH2506917813
Grid North	-0.3°
GARS	197KP47
Maidenhead	EL94DN17EJ85
GEOREF	GHJK15603435

Corrected 60 dBμ F(50:50) Contour

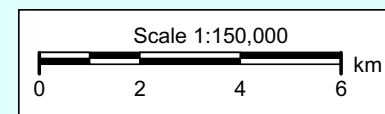
**Key West, FL - WYBX(FM)
Service Contour Study:
Proposed (corrected) Operation**

NED 03 SEC Terrain Database
US Census 2010 PL Database



WYBX(FM)
Key West, FL
Corrected Operation
Facility ID: 90786
Latitude: 24-34-19 N
Longitude: 081-44-25 W
ERP: 1.90 kW
Channel: 202A (88.3 MHz)
AMSL Height: 32.0 m
Horiz. Pattern: Omni

60 dBμ F(50:50) Contour
Total Population: 32,339
Total Area: 4651.0 sq. km



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