

WEAO-DT ELEVATION VIEW

WEAO-DT Channel 24
Dielectric Model
TFU-21JTH/VP-R 04
Nondirectional (Omni)
Elliptically Polarized
Top-Mounted Antenna

Antenna	Licensed	Proposed
ASR Height (m)	281.9	279.5
Antenna AGL (m)	276.0	272.1
Length (ft)	43.0	43.0
Weight (lbs)	4,000	6,500
CaAc (ft ²)	44.3	45.8
Tower height will decrease by 2.4 m (FAA)		
Antenna radiation center decrease by 3.9 m		
Antenna length (H2) will not increase		
Weight will increase by 2,500 lbs		
CaAc will increase by 1.5 ft ²		
FAA FILING REQUIRED		

GUYED TOWER

SITE ELEVATION: 1,120.1 FT (341.4 M AMSL)

Overall height of structure with appurtenances

Height without beacon

Antenna Radiation Center

Without appurtenances

917.0 FT AGL
279.5 M AGL

914.0 FT AGL
278.6 M AGL

892.8 FT AGL
272.1 M AGL

871.1 FT AGL
265.5 M AGL

OVERALL HEIGHT AGL: 279.5 M
OVERALL HEIGHT AMSL: 620.9 M
RADIATION CENTER AGL: 272.1 M
RADIATION CENTER AMSL: 613.5 M
RADIATION CENTER HAAT: 293.6 M
AVG OF ALL NON-ODD RADIALS: 319.9 M
SITE HAAT: 21.5 M

COORDINATES (NAD 83):

N. LATITUDE 41° 04' 58"

W. LONGITUDE 81° 38' 01"

Antenna Structure Registration Number:
1018464

NOTE: NOT TO SCALE

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WEAO-DT CHANNEL 24

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EXHIBIT 1