

## WNEO-DT ELEVATION VIEW

**WNEO-DT Channel 29**  
**Dielectric Model**  
**TFU-31JTH/VP-R 04 (SP)**  
**Nondirectional (Omni)**  
**Elliptically Polarized**  
**Top-Mounted Antenna**

Antenna	Licensed	Proposed
ASR Height (m)	233.5	233.2
Antenna AGL (m)	224.0	223.1
Antenna Center (ft)	30.9	29.4
Length (ft)	58.8	58.8
Weight (lbs) - No Ice	9,000	8,300
Tower height will decrease by 0.3 m		
Antenna radiation center decrease by 0.9 m		
Antenna center will decrease by 1.5 ft		
Antenna length (H2) will not increase		
Weight will decrease by 700 lbs (no ice)		
<b>NO FAA FILING REQUIRED</b>		

*GUYED TOWER*

**SITE ELEVATION: 1,275.0 FT (388.6 M AMSL)**

*Overall height of structure with appurtenances*

*Height without beacon*

*Antenna Radiation Center*

*Without appurtenances*

**765.1 FT AGL**  
**233.2 M AGL**

**761.1 FT AGL**  
**232.0 M AGL**

**732.0 FT AGL**  
**223.1 M AGL**

**702.5 FT AGL**  
**214.1 M AGL**

**OVERALL HEIGHT AGL:** ..... **233.2 M**  
**OVERALL HEIGHT AMSL:** ..... **621.8 M**  
**RADIATION CENTER AGL:** ..... **223.1 M**  
**RADIATION CENTER AMSL:** ..... **611.7 M**  
**RADIATION CENTER HAAT:** ..... **251.1 M**  
**AVG OF ALL NON-ODD RADIALS:** ..... **360.6 M**  
**SITE HAAT:** ..... **28.0 M**

**COORDINATES (NAD 83):**

**N. LATITUDE** ..... **40° 54' 23"**

**W. LONGITUDE** ..... **80° 54' 39"**

**Antenna Structure Registration Number:**  
**1021036**

**NOTE: NOT TO SCALE**

**Kessler and Gehman Associates, Inc.**



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**WNEO-DT CHANNEL 29**

*Alliance, Ohio*

**20170709**

**EXHIBIT 1**