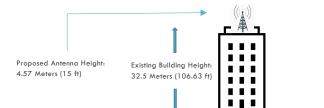
# Auburndale TECO Trail

#### Antenna Location 2 Antenna Location 1 1 Antenna located Antenna located 0.91 meters 0.91 meters 3.85km (2.39 Miles) distance (3ft) below Existing Utility Existing Utility (3ft) below between Antenna 1 and Antenna 2 Existing Utility Existing Utility Pole Height: Pole Height Pole Height: Pole Height 12.2 Meters 12.2 Meters (40 ft) (40 ft) Ground Elevation at both locations: **Cambium Networks Equipment: Cambium Networks Equipment:** 2LTE-ANT-90 49 Meters 2LTE-SM-201 2LTE-RRH-220 LTE-BBU-800 11.28 meters (37ft) Antenna Height 11.28 meters (37ft) Antenna Height 2 Watts 2 Watts 18 degree 90 degree (Width of beam at the half power point) (Width of beam at the half power point) 0-degree Azimuth FAA Sketch Note: Utility Pole Height has not 180-degree Azimuth 10-degree tilt 10-degree Tilt been increased by antenna. Coordinates: Coordinates: North Latitude (DD-MM-SS): North Latitude (DD-MM-SS): 280 6' 13" 280 8' 15" West Longitude (DDD-MM-SS): West Longitude (DDD-MM-SS): 810 49' 23" 810 49' 29" Address: Address: Auburndale TECO Trail Auburndale TECO Trail 318 Denton Avenue, 318 Denton Avenue, Auburndale, FL 33823 Auburndale, FL 33823

NOTE: connectivity shown between the nodes is only a sample representation

WIND TALKER INNOVATIONS

### Antenna Location 3



Ground Elevation:

59.5 Meters

### Lakeland

1.47km (0.913 Miles) distance between Antenna 3 and Antenna 4

### FAA Sketch Notes:

Cambium Networks Equipment: 2LTE-ANT-90 2LTE-RRH-220 LTE-BBU-800 37.1 meters antenna height 2 Watts 90 degree (Width of beam at the half power point) 220-degree Azimuth 10-degree Tilt

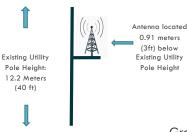
#### Coordinates:

North Latitude (DD-MM-SS): 28o 2' 19" West Longitude (DDD-MM-SS): 81o 57' 24"

> Address: 500 South Florida Avenue Lakeland, FL 33801

For the building-mounted antenna (Antenna #3), we have added about 4.57 Meters in height to the building. The building has no Aviation Obstruction Lighting (AOL) presumably due to the building location being in a downtown area where there are taller buildings nearby that do have AOL.

Utility Pole Height (Antenna #4 on right side) has not been increased by antenna. Antenna Location 4



Ground Elevation: 50 Meters

Cambium Networks Equipment: 2LTE-SM-201 11.28 meters (37ft) Antenna Height 2 Watts 18 degree (Width of beam at the half power point) 40-degree Azimuth 10-degree tilt

#### Coordinates:

North Latitude (DD-MM-SS): 280 1'45" West Longitude (DDD-MM-SS): 810 57'59"

> Address: 95 Lake Hunter Drive Lakeland, FL 33803

NOTE: connectivity shown between the nodes is only a sample representation

# Polk City

#### Antenna Location 6 Antenna Location 5 1 Antenna located Antenna located 0.91 meters 0.91 meters 2.58km (1.6 Miles) distance (3ft) below Existing Utility Existing Utility (3ft) below between Antenna 5 and Antenna 6 Existing Utility Existing Utility Pole Height: Pole Height Pole Height: Pole Height 12.2 Meters 12.2 Meters (40 ft) (40 ft) Ground Elevation at both locations: **Cambium Networks Equipment: Cambium Networks Equipment:** 2LTE-ANT-90 42 Meters 2LTE-SM-201 2LTE-RRH-220 LTE-BBU-800 11.28 meters (37ft) Antenna Height 11.28 meters (37ft) Antenna Height 2 Watts 2 Watts 18 degree 90 degree (Width of beam at the half power point) (Width of beam at the half power point) 0-degree Azimuth FAA Sketch Note: Utility Pole Height has not 180-degree Azimuth 10-degree tilt 10-degree Tilt been increased by antenna. Coordinates: Coordinates: North Latitude (DD-MM-SS): North Latitude (DD-MM-SS): 280 12' 33" 280 13' 59" West Longitude (DDD-MM-SS): West Longitude (DDD-MM-SS): 810 45' 24" 810 45' 24" Address: Address: 11530 Co Rd 557 12852 Old Grade Rd. Polk City, FL 33868 Polk City, FL 33868

NOTE: connectivity shown between the nodes is only a sample representation

WIND TALKER INNOVATIONS

# FCC – WTI Mission

Reason for Application / Testing Explanation:

WTI has a mission of providing enhanced broadband services in 2.5 GHz band to Tribal nations using Cambium eNB and WTI Osmosis Access Points. WTI will be deploying 2.5 GHz Cambium eNBs as a back-haul for fixed wireless. WTI respectfully requests a Special Temporary Authority to operate this equipment in the band of 2506-2680 MHz