

WQNB-LP - Facility ID: 196346

Engineering STA – February 2024

On October 1, 2023 with authorization granted under application 0000221443 after loss of previous tower site, WQNB-LP resumed operations with reduced facilities and hours in compliance of 47 CFR § 73.850(b). STA authorization was set to expire in March 2024.

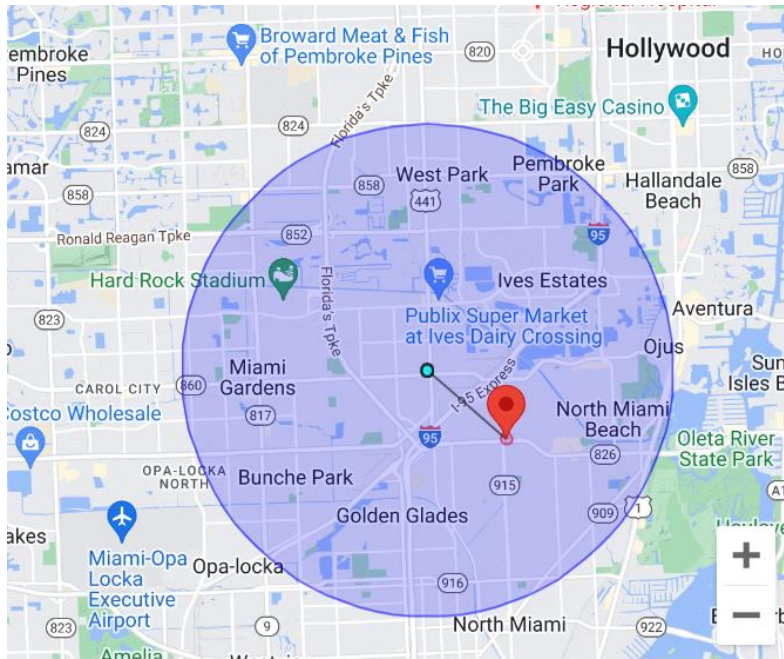
An updated STA application was submitted and granted in December 2023. Due to storm activity and high winds, the original temporary structure situated alongside a tree was briefly taken down and replaced with a more stable structure. Photographs, logs, and other supporting documentation of the original installation were provided to Audio Division staff.

In recent communications mid-February 2024, WQNB vice president Levan Joseph informed Audio Division staff of plans to dismantle the temporary antenna structure and relocate to a new site. As of this writing, site visits continue for a new permanent location. For the interim, a new temporary location is proposed to a site with a more adequate structural and electrical facilities.

We respectfully request an extension of the STA to July 2024 to allow additional time for relocation to a new permanent location.

Technical Exhibit

Coordinates (NAD83)	25 55 44.5 N, 080 11 14.5 W
Elevation	2.4 meters
Center of Radiation (AGL)	42 meters
Power	0.011 kW ERP
Antenna	1 bay, omni-directional



Second Adjacent Channel Exhibit

Waiver requested for site short-spaced to the following second adjacent stations:

WHYI-FM, Channel 264, Facility ID 41381

Undesired-to-Desired Ratio Method

(LMS)BLH-20050225AAQ f(50,50) signal 108.610 dBu

Second-adjacent protection + 40 dB

Interference-zone boundary 148.61 dBu

Distance to 148.61 dBu 0.6 m (ERP <= 0.005 kW)

WKIS, Channel 260, Facility ID 64001

Undesired-to-Desired Ratio Method

(LMS)BLH-20140805ACK f(50,50) signal 108.530 dBu


Second-adjacent protection + 40 dB

Interference-zone boundary 148.53 dBu

Distance to 148.53 dBu 0.6 m (ERP <= 0.005 kW)


The worst-case interference radius for both stations will not exceed 0.6 meters. No population will be subject to interference according to the undesired-to-desired ratio method.

TOWAIR Calculations



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Antenna Structure Registration

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TOWAIR Determination Results

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HELP

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results	
Structure does not require registration. The structure meets the 6.10-meter (20-foot) Rule criteria.	
Your Specifications	
NAD83 Coordinates	
Latitude	25-55-44.5 north
Longitude	080-11-14.5 west
Measurements (Meters)	
Overall Structure Height (AGL)	43
Support Structure Height (AGL)	38
Site Elevation (AMSL)	2.4
Structure Type	
BPOLE - Building with Pole	

[Tower Construction Notifications](#)

Notify Tribes and Historic Preservation Officers of your plans to build a tower.