

FCC Form 349 - Exhibit 10 A Statement

This proposal is a “250-mile window application”.

AM Primary Station:

WROL(AM), Boston, MA

AM Class D Station

Facility ID 9139

FM Translator Station:

W254BR, Lincoln, ME

Facility ID 145583

As shown below, the FM translator’s proposed relocation distance is less than 250 miles.

Find Distance and Azimuths Between 2 Sets of Coordinates -- Results

Distance between

N Latitude 45 20 41.00, W Longitude 68 30 30.00 (Point 1)
and N Latitude 42 21 41.00, W Longitude 71 4 54.00 (Point 2)

390.752 kilometers; 242.802 miles

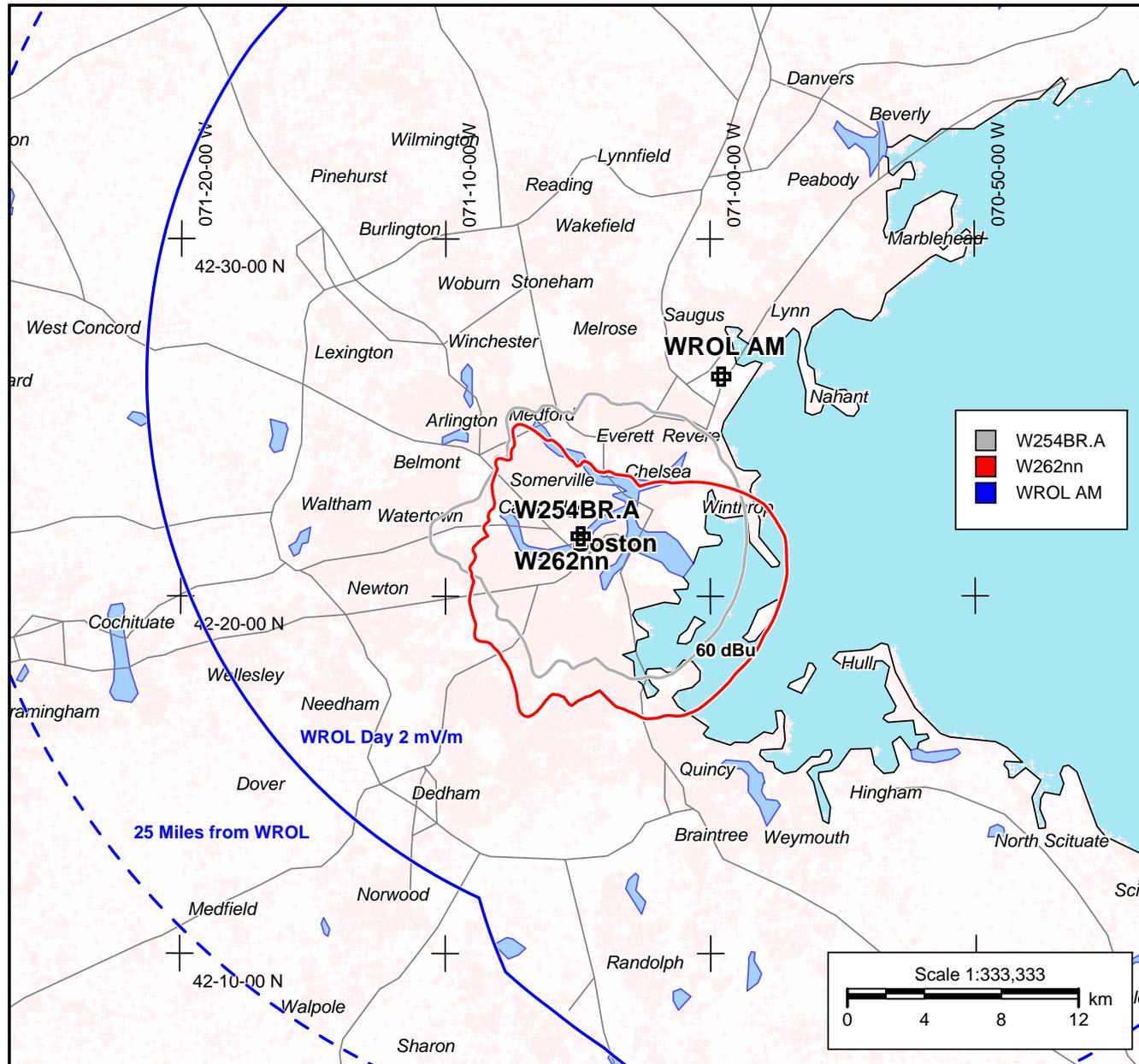
Azimuth from point 1 to point 2 = 212.78°
Azimuth from point 2 to point 1 = 31.00°

[Another Distance Computation?](#)

Use [Sprong](#) to find the terminal or end coordinates, given a bearing and a distance.

This program is located at <http://www.fcc.gov/fcc-bin/audio/distance.html>

Exhibit 10 - Channel 262 Fill-In Translator for WROL AM



This is an amendment to the 250-mile window application to relocate W254BR to Boston to use as a Fill-In Translator for WROL AM. The amendment is to resolve a Mutually Exclusive filing with another applicant. This application is for Channel 262 instead of 291. This proposal also increases the ERP of the translator to 250 watts, as shown.

The FM translator's entire 60 dBu contour is contained within the lesser of: (i) the 2 mV/m daytime contour of the AM primary station to be rebroadcast, or (ii) a 25 mile radius centered at the AM primary station's transmitter site.

W262nn
 Boston, MA
 Proposed
 Channel: 262D
 Latitude: 42-21-41 N
 Longitude: 071-04-54 W
 ERP: 0.25 kW
 HAAT 51.85 m
 Frequency: 100.3 MHz
 AMSL Height: 70.0 m
 Elevation: 3.0 m
 Horiz. Pattern: Directional
 Study Date: 4/21/2016