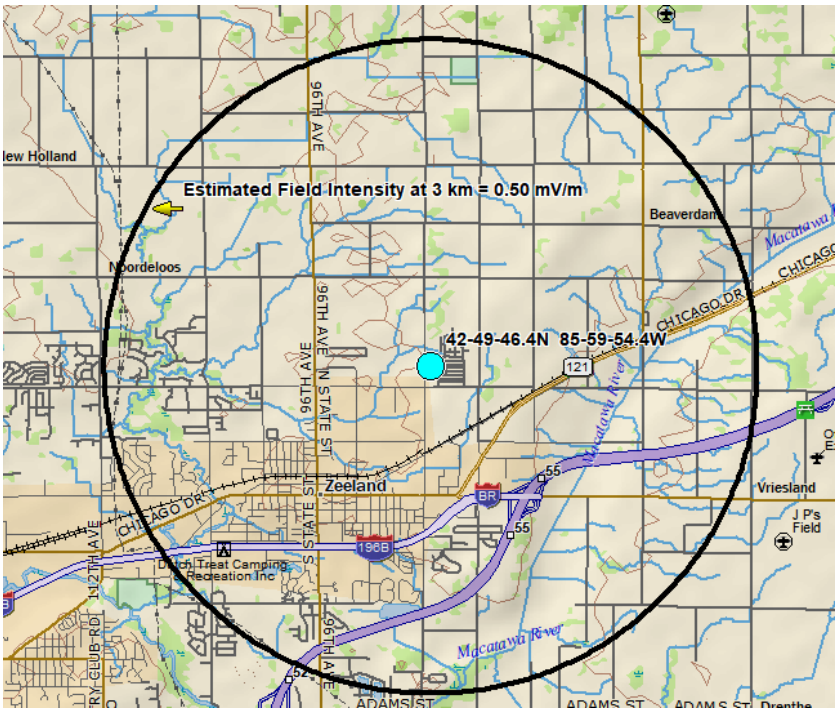
Information Station Specialists

PO Box 51 • Zeeland, MI 49464-0051 • USA Phone 616.772.2300 • Fax 616.772.2966 • Email info@theRADIOsource.com

EXPLANATION AND DESCRIPTION

Information Station Specialists, an equipment vendor and service provider, due to requests from local government entities in the US, is seeking to develop a more efficient Travelers Information Station (TIS) antenna which a governmental entity could utilize to advise the public during or following a disaster and especially as part of a major evacuation effort. Under an emergency STA from the FCC, a licensee could operate such a station within the scope of FCC Rules Part 90.242 but with waivers for transmitter output power and field strength, while adhering to recognized separations from broadcast stations.

Information Station Specialists, is not a governmental entity, and therefore cannot otherwise license a Travelers Information Station for test operation, without an experimental license.

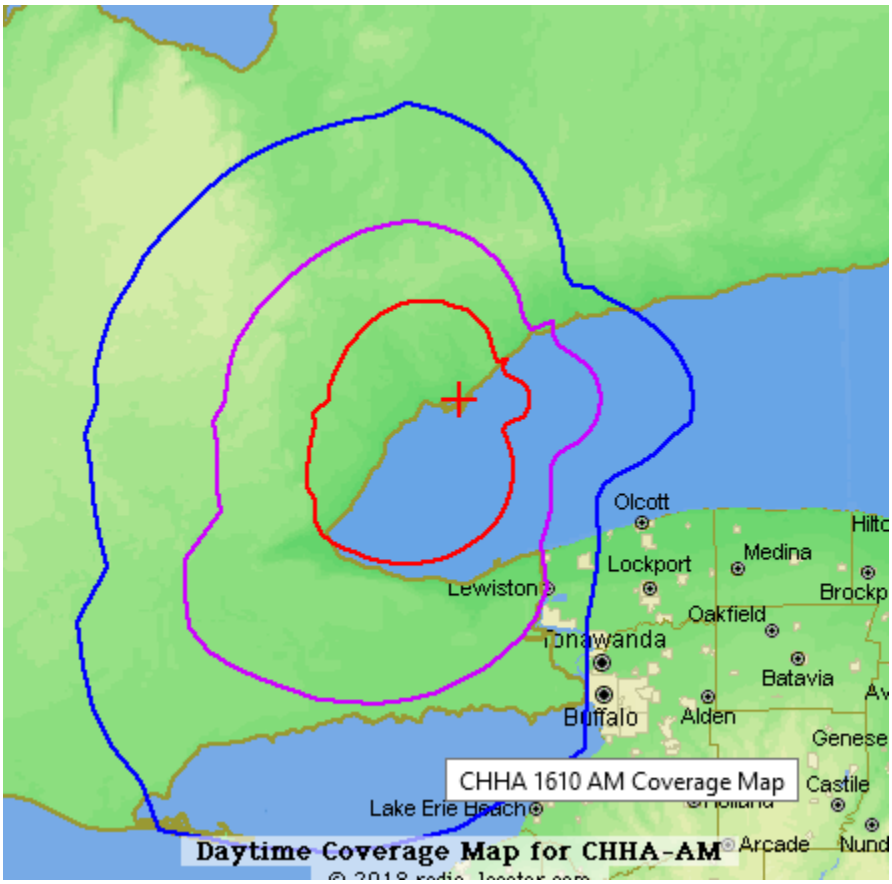


Test frequencies: 540 and 1610 kHz

DOCUMENTATION OF NO INTERFERENCE

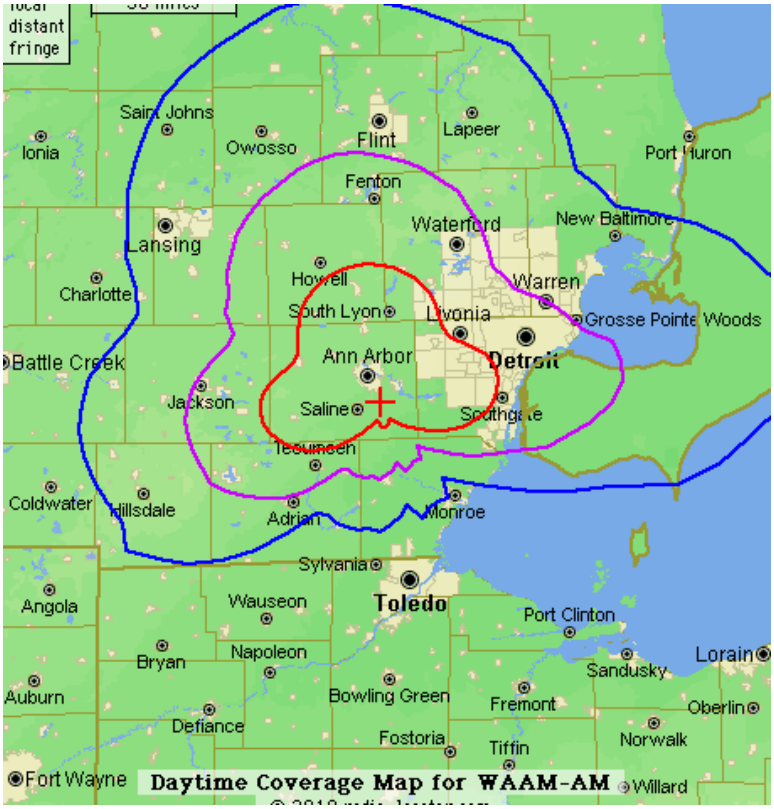
1610 kHz Test Frequency

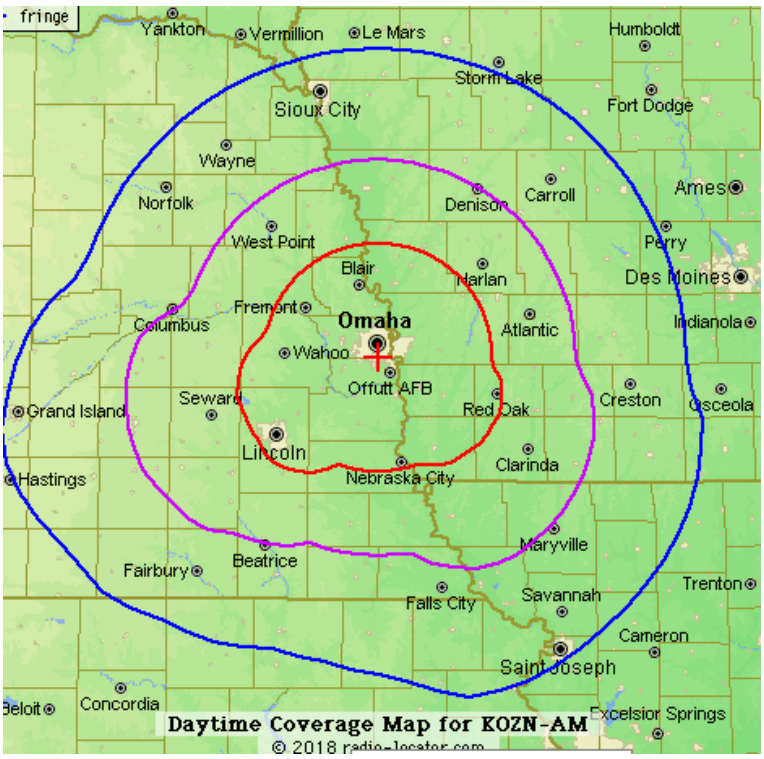
Co-Channel Broadcast Stations



1610 kHz There are no co-channel broadcast stations on 1610 kHz in the US. The nearest foreign station on 1610 kHz frequency is CHHA in the Toronto area. There will be no overlap to CHHA that would produce interference because CHHA does not put a groundwave greater than 0.025 mV/m into the Zeeland, Mi Area. See the map above. The blue line is CHHA's 0.15 mV/m estimated contour, which does not leave Canada in the west direction toward Zeeland, MI. The measured daytime field intensity for CHHA in the Zeeland Michigan area is negligible and certainly less than 0.025 mVm threshold for a cochannel broadcast station.

Adjacent Broadcast Stations





1600 and 1620 kHz Plotted above are the estimated 0.15 mV/m (blue lines) contours of WAAM, Ann Arbor, MI – 1600 and KOZN Bellevue, NE – 1620, respectively. The maximum estimated 0.50 mV/m of proposed experimental TIS on 1610 kHz at Zeeland, MI plotted above, is approximately 3 km in radius. There will be no overlap of the test 0.50 mV/m contour (which will be localized in the immediate Zeeland area) and the 0.25 mV/m contours of these stations (which will be well within the blue contours plotted above). No interference, therefore, will result, to these adjacent stations.

Second and Third Adjacent Broadcast Stations

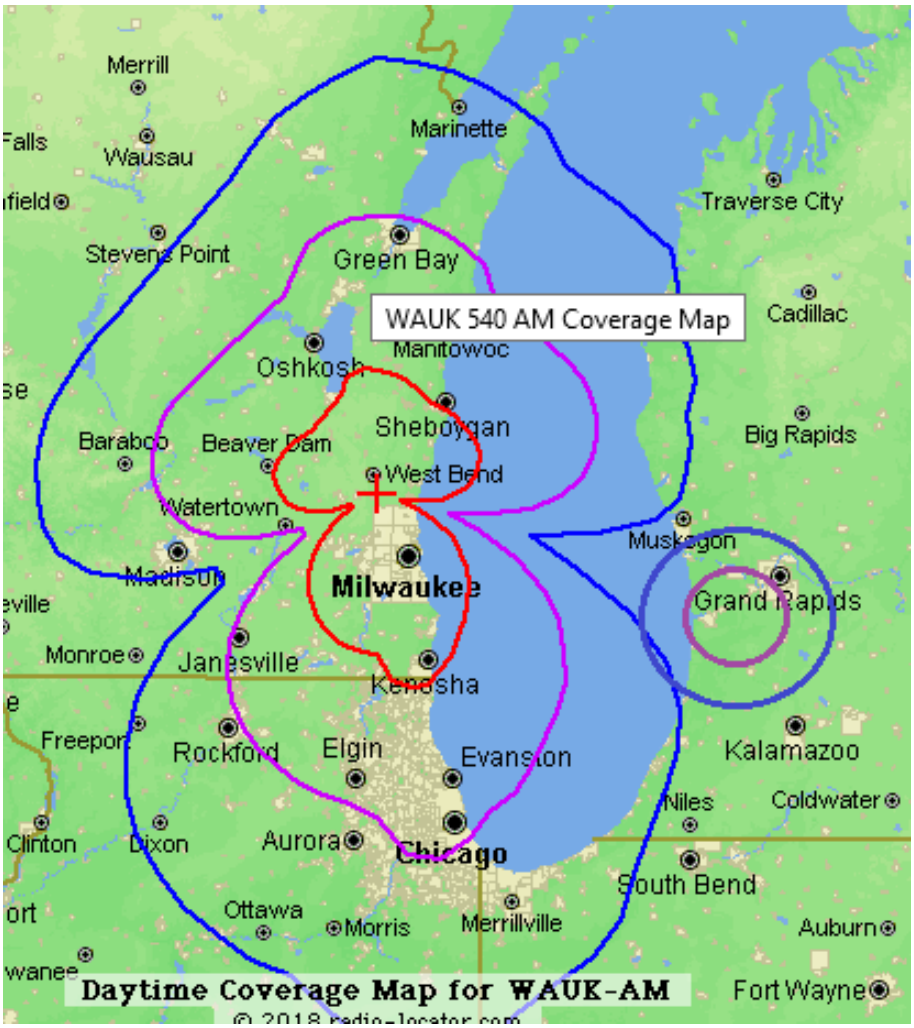
There are no broadcast stations in the vicinity of the proposed experimental location on second and third adjacent AM frequencies. The proposed experimental location is well outside the protected contours of the nearest stations on 2nd adjacent 1590 and 1630 (5.0 mV/m) and third adjacent 1580 and 1640 (25 mV/m).

Licensed TIS Stations

There are no TIS stations on the 1610 kHz frequency operating within the test area.

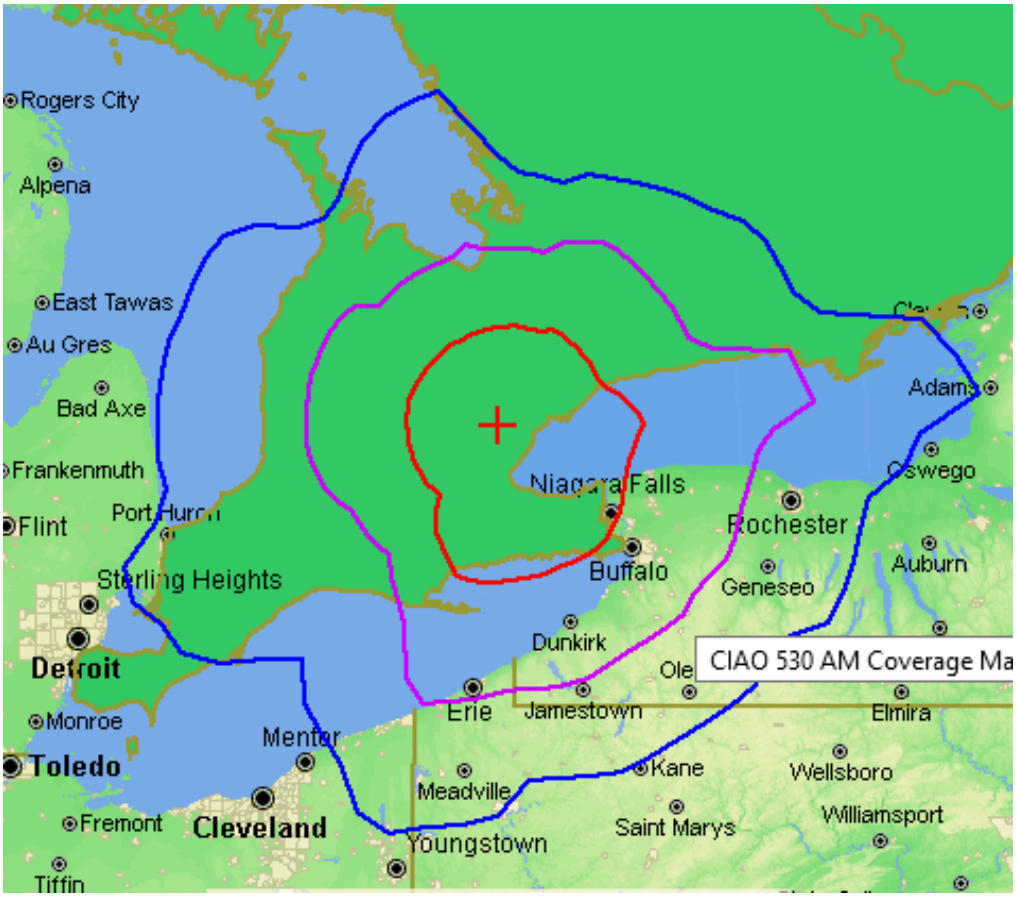
540 kHz Test Frequency

Co-Channel Broadcast Stations

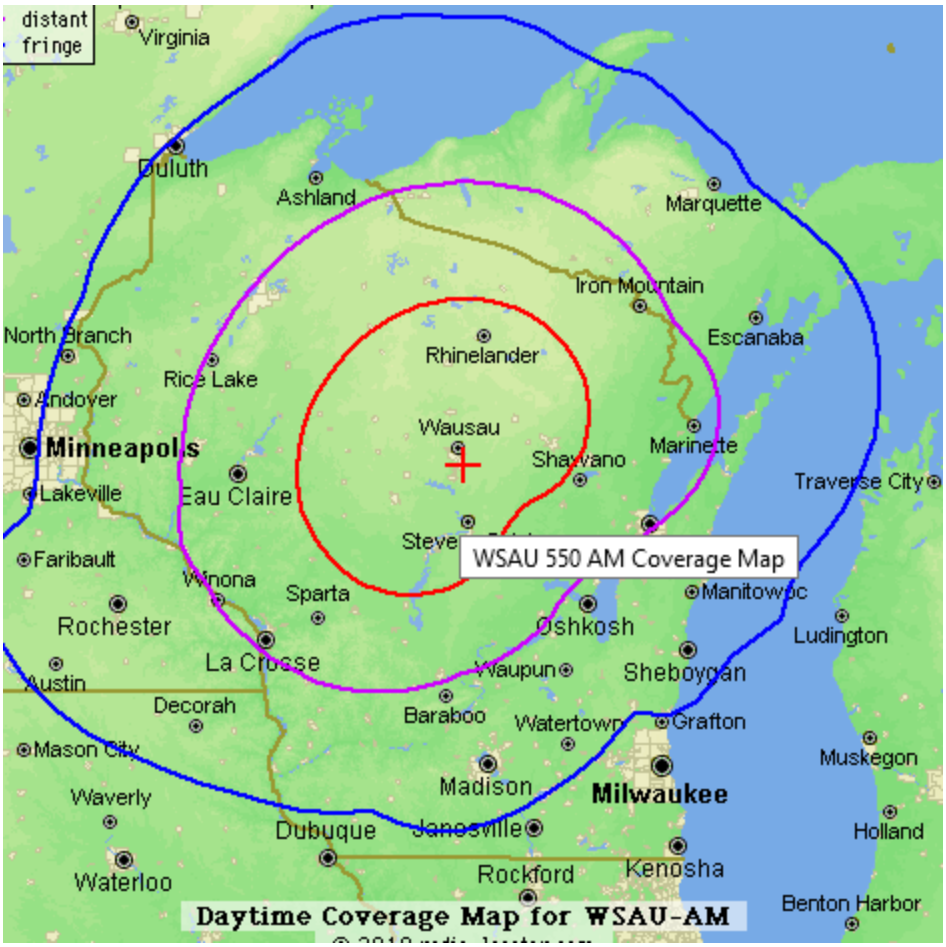


540 kHz Plotted is the estimated 0.15 mV/m contour of WAUK-540 Jackson, WI (blue line) with the maximum estimated 0.50 mV/m of proposed experimental TIS on 540 kHz at Zeeland, MI (purple circle). There will be minor overlap of WAUK's 0.025 mV/m contour and the test 0.50 mV/m test contour, however, because the overlap will occur well outside WAUK's 0.5 mV/m primary coverage contour (purple contour above) and partially over the waters of Lake Michigan, there would be no interference presented to their signal in the WAUK listening area or within 50 miles of it.

Adjacent Broadcast Stations



Adjacent 530 kHz There are no co-channel broadcast stations on 530 kHz in the US. The nearest foreign station on 530 kHz frequency is CIAO in the Toronto area. There will be no overlap to CIAO that would produce interference because CIAO does not put a groundwave greater than 0.25 mV/m into the Zeeland, MI Area. The station's 0.25 contour is contained within the blue line (0.15 mV/m) plotted above. There will be no 0.25 to 0.50 mV/m contour overlap.



Adjacent 550 kHz The nearest broadcast station on 550 kHz frequency is WSAU in the Wausau, WI. There will be no overlap to WSAU that would produce interference because WSAU does not put a groundwave greater than 0.25 mV/m into the Zeeland, MI Area. The station's 0.25 contour is contained within the blue line (0.15 mV/m) plotted above. There will be no 0.25 to 0.50 mV/m contour overlap.

Second and Third Adjacent Broadcast Stations

There are no broadcast stations in the vicinity of the proposed experimental location on AM frequencies 560 or 570. The proposed experimental location is well outside the protected contours (5.0 mV/m and 25.0 mV/m respectively) of the nearest such stations.

Licensed TIS Stations

There are no TIS stations on the 540 kHz frequency operating within the test area.

REQUESTED DURATION

Information Station Specialists requests the Experimental STA to test the referenced antennas on 540 and 1610 kHz for 90 days after the Experimental STA grants.

Information Station Specialists

PO Box 51 – 3368 88th Ave

Zeeland, MI 49464

616-772-2300 info@theradiosource.com