

TECHNICAL EXHIBIT 24
AVAILABILITY OF CHANNELS

IN SUPPORT OF MINOR CHANGE APPLICATION
WTCM-FM, TRAVERSE CITY, MICHIGAN
MAY 2009

These technical exhibits have been prepared on behalf of WTCM Radio, Inc., (“WRI”), licensee of FM radio station WTCM-FM, Traverse City, Michigan, and are in support of WRI’s minor change application for a construction permit to increase antenna height. The application is being filed in response to a “Triggering Application” filed by station WHBY to downgrade WTCM-FM from Class C to Class C0. The additional height will be achieved by constructing a new tower on the site approximately 600 feet west of the existing tower. An FAA notice of proposed construction has been filed (ASN: 2009-AGL-2627-OE).

Presently, WTCM-FM is licensed to operate on Channel 278C (103.5 MHz) with 100 kW effective radiated power (ERP) and 302 meters antenna height above average terrain (HAAT) using a non-directional antenna. WTCM-FM now proposes to increase the station’s antenna height and operate with 100 kW ERP, and 452 meters HAAT (exceeding the minimum Class C0 facilities of 100 kW/451 meters HAAT) using a non-directional FM antenna. The existing tower will be dismantled once a new taller tower has been erected approximately 600 feet west of the current location. The relocation of the tower results in a slight change in the geographic coordinates. No other changes to the station’s current operation are proposed.

The geographic coordinates (NAD-27) of the WTCM-FM new tower at the existing antenna site are as follows:

N 44°-27’-33”
W 85°-42’-09”

The following information provides pertinent data for the proposed Channel 278C operation of WTCM-FM.

Name of the Licensee: WTCM Radio, Inc.

Station Location: MI-Traverse City

Frequency: 103.5 MHz

Channel: 278

Class: C

Hours of Operation: Unlimited

Antenna Type: Non-Directional

Antenna Coordinates (NAD-27):	North Latitude:	44 deg 27 min 33 sec
	West Longitude:	85 deg 42 min 09 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Maximum ERP in the Horizontal Plane (kW):	100	100
Height of radiation center above ground (meters):	453	453
Height of radiation center above mean sea level (meters):	771.5	771.5
Height of radiation center above average terrain (meters):	452	452
Current Antenna Structure Registration Number: (Will be modified or deleted upon FAA Approval and new tower construction)	1000626	
Overall height of antenna structure above ground (meters):	472.4	