

WTIX, INC.

WIST, NEW ORLEANS, LOUISIANA

TABLE OF ENGINEERING ATTACHMENTS

SECTION IIIA, EXHIBIT 12

TABLE OF ENGINEERING EXHIBITS

ENGINEERING NARRATIVE

SECTION IIIA, EXHIBIT 17

RSS FILE

POLAR PLOT OF THE DIRECTIONAL ANTENNA PATTERN

TABULATION OF DIRECTIONAL ANTENNA STANDARD PATTERN

MAP OF THE CONTOURS OF WIST AND CINF

MAP OF THE CONTOURS OF WIST AND CMEC

MAP OF THE CONTOURS OF WIST AND XETRA

DERIVATION OF INCOMING INTERFERENCE

CENSUS MAP WITH PRESENT AND PROPOSED NIGHTTIME  
INTERFERENCE-FREE CONTOURS

TOPOGRAPHIC SITE MAP

TOPOGRAPHIC MAP WITH 1 VOLT CONTOUR

AERIAL PHOTOGRAPH

TOWER ELEVATIONS

GROUND SYSTEM SKETCH

## WIST

NEW ORLEANS, LOUISIANA

### ENGINEERING NARRATIVE

#### GENERAL

This amendment is filed to change the pending WIST 2.5 kilowatt nighttime application (BP-20070925AGL) from three towers to two towers, to reduce the tower heights, and to reduce the nighttime power from 2.5 kilowatts to 2.1 kilowatts.

The licensed antenna system consists of four towers for both the day and night patterns. Hurricane Katrina destroyed or seriously damaged three of the four towers, and the remaining tower is in terminal condition to the extent that a tower crew will not climb it due to its unsafe condition. Replacement of all four towers is economically not feasible. An application has been filed to make the daytime operation non-directional, and this amendment is being filed to convert the nighttime into a two tower operation using the daytime tower as one element in the nighttime array..

It is the applicant's belief that this change in the nighttime facility is involuntary, and the so-called "ratchet" clause has not been observed. If a waiver is required, it is hereby requested.

The Nighttime Interference-Free contour (NIF) is 8.79 mV/m. The proposed facility will place a NIF signal over 25.3 percent of New Orleans. The present facility covers 26.5 percent. If the uninhabitable land (lakes, bayous and swamps) is deleted from the calculations, then the proposed NIF covers 58 percent and the present facility covers 61 percent. The applicant is unable to justify replacement of all four towers due to the depressed economy in New Orleans, a result of the general business conditions throughout the country and the lingering effect of Hurricane Katrina. In view of the above and the small reduction in city coverage, a waiver for this deficient nighttime coverage is requested.

#### DOMESTIC

If the licensed or amended radiation value enters the limit of any class B station, the RSS file for that station is shown in an attachment. Where the amended facility enters a stations limit, the amended contribution is less than the contribution of the licensed facility. There are no domestic class A stations on 690 kilohertz.

#### INTERNATIONAL

This application has been submitted to the ITU and Mexico, and approvals have been received for the 2.5 kilowatt proposal. The ITU approval is in BRIFIC 2668. The radiation levels in this amendment are less than the levels already approved in all

pertinent azimuths affecting Cuban and Mexican class A stations. There is no prohibited overlap with the Canadian class A station.

There are three contour maps attached that show the 0.025 mV/m (10%) WIST contours of (1), the licensed facility, (2), as proposed in BP-20070925AGL and (3), as modified in this amendment.

Figure 1 shows CINF, Montreal. The amended 0.025 mV/m does not cross the US-Canadian border, and therefore does not overlap the CINF 0.5 mV/m contour at any point on Canadian soil.

Figure 1A shows the 0.5 mV/m (50%) contour of CMEC, Santa Clara, Cuba and the island of Cuba. It is demonstrated in this figure that the amended WIST 0.025 mV/m does not exceed the contour approved in BRIFIC 2668 at any point within the pertinent azimuth span affecting the island of Cuba.

Figure 1B shows the WIST contours and the contours of XETRA, Rosarito, XETRA, Tijuana (RMS 2156 mV/m) and XETRA, Tijuana (RMS 2521 mV/m). This map demonstrates that the amended facility will radiate less power toward these three Mexican stations than the licensed facility or the facility proposed in BP-20070925AGL.