

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0027 (September 2004)	FOR FCC USE ONLY
FCC 301		
APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION		FOR COMMISSION USE ONLY FILE NO. BMPCDT - 20030224AAX
Read INSTRUCTIONS Before Filling Out Form		

Section I - General Information

1. Legal Name of the Applicant WTNH BROADCASTING, INC.		
Mailing Address 4 RICHMOND SQUARE		
City PROVIDENCE	State or Country (if foreign address) RI	ZIP Code 02906 -
Telephone Number (include area code) 2024626065	E-Mail Address (if available) MARCIA.GREENE@LINTV.COM	
FCC Registration Number: 0003594116	Call Sign WCTX-DT	Facility ID Number 33081
2. Contact Representative (if other than Applicant) WILLIAM H. FITZ, ESQ.		Firm or Company Name COVINGTON & BURLING
Telephone Number (include area code) 2026625120		E-Mail Address (if available) WFITZ@COV.COM
3. If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input type="radio"/> Other		
4. Application Purpose		
<input type="radio"/> New station <input type="radio"/> Major Change in licensed facility <input type="radio"/> Minor Change in licensed facility <input type="radio"/> Major Modification of construction permit <input checked="" type="radio"/> Minor Modification of construction permit <input type="radio"/> Major Amendment to pending application <input type="radio"/> Minor Amendment to pending application		
(a) File number of original construction permit:		BMPCDT-20020305AAE <input type="checkbox"/> NA
(b) Service Type:		<input type="radio"/> AM <input type="radio"/> FM <input type="radio"/> TV <input checked="" type="radio"/> DTV
(c) Community of License: City: NEW HAVEN		State: CT
(d) Facility Type		<input checked="" type="radio"/> Main <input type="radio"/> Auxiliary
If an amendment, submit as an Exhibit a listing by Section and Question Number the portions of the pending application that are being revised.		[Exhibit 1]

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

Section II - Legal

1. Certification. Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has	<input checked="" type="radio"/> Yes <input type="radio"/> No
---	---

(HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input checked="" type="radio"/> No
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. Applicant must submit the Exhibit called for in Item 13.	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community.	<input checked="" type="radio"/> Yes <input type="radio"/> No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable.	<input checked="" type="radio"/> Yes <input type="radio"/> No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	<input checked="" type="radio"/> Yes <input type="radio"/> No

SECTION III-D - DTV Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1.	Channel Number: DTV 39 Analog TV, if any 59
2.	Zone: <input checked="" type="radio"/> I <input type="radio"/> II <input type="radio"/> III
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 41 Minutes 25 Seconds 22 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 72 Minutes 57 Seconds 6 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1043980 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 195 meters
6.	Overall Tower Height Above Ground Level: 277 meters
7.	Height of Radiation Center Above Ground Level: 189 meters
8.	Height of Radiation Center Above Average Terrain : 301 meters
9.	Maximum Effective Radiated Power : 170 kW
10.	Antenna Specifications: a. Manufacturer DIE Model TFU-16DSB(C) <i>Aic</i> b. Electrical Beam Tilt: 1 degrees <input type="checkbox"/> Not Applicable c. Mechanical Beam Tilt: degrees toward azimuth degrees True <input checked="" type="checkbox"/> Not Applicable <i>(See excerpts from Technical Exhibit attached)</i> Attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

[Exhibit

PREPARERS CERTIFICATION ON SECTION III MUST BE COMPLETED AND SIGNED.

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name JEROME J. MANARCHUCK	Relationship to Applicant (e.g., Consulting Engineer) TECHNICAL CONSULTANT	
Signature	Date 02/21/2003	
Mailing Address DU TREIL, LUNDIN & RACKLEY, INC. 201 FLETCHER AVENUE		
City SARASOTA	State or Country (if foreign address) FL	Zip Code 34237 -6019
Telephone Number (include area code) 9413296013	E-Mail Address (if available) JERRY@DLR.COM	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Exhibits

Exhibit 41

Description: EXHIBIT 40 - ANTENNA DATA

SEE COMPREHENSIVE TECHNICAL EXHIBIT.

Attachment 41

Exhibit 42

Description: EXHIBIT 41 - USE OF CHANNEL 39

SEE EXHIBIT 1 TO BMPCDT-20020305AAE FOR DOCUMENTATION REGARDING EXCHANGE OF CHANNEL 10 FOR CHANNEL 39 AT NEW HAVEN, CONNECTICUT.

Attachment 42

Exhibit 44

Description: COMPREHENSIVE TECHNICAL EXHIBIT

TECHNICAL NARRATIVE
FIGURE 1 - PROPOSED ANTENNA AND SUPPORTING STRUCTURE
FIGURE 2 - ANTENNA DATA
FIGURE 3 - PREDICTED COVERAGE CONTOURS
FIGURE 4 - SEPARATION STUDY

Attachment 44

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
DTV CONSTRUCTION PERMIT
STATION WCTX-DT
FACILITY ID: 33081
NEW HAVEN, CONNECTICUT

February 21, 2003

CH 39 170 KW (MAX-DA) 301 M

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
DTV CONSTRUCTION PERMIT
STATION WCTX-DT
FACILITY ID: 33081
NEW HAVEN, CONNECTICUT
CH 39 170 KW (MAX-DA) 301 M

Table of Contents

Technical Narrative

Figure 1	Proposed Antenna and Supporting Structure
Figure 2	Antenna Data
Figure 3	Predicted Coverage Contours
Figure 4	Separation Study

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
DTV CONSTRUCTION PERMIT
STATION WCTX-DT
FACILITY ID: 33081
NEW HAVEN, CONNECTICUT
CH 39 170 KW (MAX-DA) 301 M

Technical Narrative

This Technical Exhibit supports an application for modification of construction permit for digital station WCTX-DT on channel 39 at New Haven, Connecticut. Specifically, this application will modify the WCTX-DT authorized construction permit (BMPCDT-20020305AAE) by changing the directional antenna system, decreasing the antenna radiation center height above average terrain (HAAT), and increasing the maximum directional effective radiated power (ERP). No other changes are proposed.

Station WCTX-DT is currently authorized for operation on channel 39 with a directional antenna maximum ERP of 100 kilowatts and an HAAT of 333 meters. It is proposed to operate with a maximum directional ERP of 170 kilowatts, an HAAT of 301 meters, and to replace the authorized antenna with a Dielectric TFU-16DSB-B(C) antenna.

A sketch of antenna and pertinent elevations are included as Figure 1. The FCC antenna registration number for the existing tower is 1043980.

Figure 2 is data for the Dielectric TFU-16DSB-B(C) directional antenna. A graph and tabulation of both



Exhibit No.

Date **13 Feb 2003**
Call Letters
Location **New Haven** Channel **39**
Customer
Antenna Type **TFU-16DSB-B (C)**

AZIMUTH PATTERN

RMS Gain at Main Lobe
Calculated / Measured

1.70 (2.30 dB)
Calculated

Frequency **623 MHz**
Drawing # **DSB-B**

