

KLEIN BROADCAST ENGINEERING, L.L.C.

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**FCC FORM 301 APPLICATION
for
FM BROADCAST STATION CONSTRUCTION PERMIT**

**EQUITY COMMUNICATIONS, L.P.
W T T H (FM)
(FCC FACILITY ID# 40030)
FM CHANNEL 241 A / 96.1 mHz.
MARGATE CITY , NEW JERSEY**

OCTOBER 2007

INTRODUCTION and ENGINEERING STATEMENT

The firm of Klein Broadcast Engineering, L.L.C., has been retained by the applicant, Equity Communications, L.P., to prepare this FCC Form 301 application. The instant application requests a minor change to the main transmission facility of FM Broadcast Station WTTH(FM) at Margate City, New Jersey.

The minor change application specifies Class A facilities with 2.9 kW E.R.P. in both the Horizontal and Vertical Planes. The applicant proposed the use of a non- directional antenna. The model as specified is an Electronics Research, Inc.(ERI) , SHPX-2AC. The antenna is described as a two (2) bay, full wave length spaced, antenna system. The antenna specified uses no beam tilt and uses no null fill.

The proposed Class A facility is specified as follows:

Geographic Coordinate Site Location: NL: 39-22-35 / WL: 74-27-08 (NAD-1927)

Overall Tower Height above Ground Level:	106 meters
Height of Radiation Center Above Mean Sea Level:	101 meters
Height of Radiation Center Above Ground Level:	98 meters
Height of Radiation Center Above Average Terrain:	99 meters
Effective Radiated Power H&V:	2.9 kW
ASR Number:	1046225

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If there were any radials with calculated negative elevations were treated as if they had an elevation of 30 meters for the purposes of contour calculations as specified in 47 C.F.R. 73.313.

The applicant requests processing under 47 C.F.R. Section 73.215 Contour Protection with respect to Station WCTO(FM) at Easton, Pennsylvania, on FM Channel 241 B.

Exhibit E-1 is an FM Channel Spacing Study under 47 CFR Section 73.207 & 73.215. This exhibit was prepared using the site coordinates specified in this instant application. The facility specified in this instant application for the operation of Station WTTH(FM) is clear to all known stations, vacant and proposed allotments, with the following exception: Station WCTO, Easton, Pennsylvania, co-channel to the proposed WTTH(FM) operation on FM Channel 241A. WCTO(FM) is afforded contour protection under 47 C.F.R. Section 73.215. Station WCTO, FCC Facility ID# 36997, is licensed to operate with 50.0 kW E.R.P. at 152 meters HAAT , see BMLH-19961227KB.

Exhibit E-3 was calculated and plotted using a maximum Class "B" facility of 50.0kW E.R.P. at 150 meters HAAT for Station WCTO(FM).

Exhibit E-2 is a contour map showing the proposed 60dBu f(50,50) and 70dBu f(50,50) contours. The proposed 70dBu contour completely encompasses the Principal Community of Margate City, New Jersey. The City Limit Boundaries for Margate City, New Jersey, are shown on the map and were produced from the 2000 U.S. Census Data.

The applicant proposes to mount the WTTH antenna on an existing tower structure. The structure will not be modified to accommodate the WTTH antenna. The existing structure is the antenna tower of AM Standard Broadcast Station WMID, Atlantic City, New Jersey. The Antenna Structure Registration Number (ASR#) is 1046225.

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Exhibit E-3 is a contour map showing the proposed interfering and protected contours for the main transmission facility of Station WTTH(FM) and the interfering and protected contours of Station WCTO(FM), Easton, Pennsylvania. The WCTO facility contours were calculated and plotted for a maximum Class "B" facility of 50.0kW E.R.P. at 150 meters HAAT.

Exhibit E-10RHS is a complete and comprehensive RF Radiation Hazard Study/Evaluation of the facility proposed in this instant application. Based on the calculations and findings contained therein, the proposed new main class A transmission facility proposed for WTTH FM Broadcast Station at Margate City, New Jersey, complies with all of the requirements of the FCC O.S.T. Bulletin, Guidelines for Human Exposure to Non-Ionizing Radio Frequency Radiation, as amended to date. There was no consideration given to N.E.P.A., Section 106, as there is no new antenna support construction proposed in this instant application.

An analysis of the engineering and other data presented herein demonstrates compliance of the proposed facility with all of the applicable Rules and Regulations of the Federal Communications Commission as amended to date. Therefore, the applicant requests the Commission consider and GRANT the instant application for the facility specified herein for Station WTTH(FM), Margate City, New Jersey.

Respectfully submitted,

Elliott Kurt Klein, Consulting Broadcast Engineer

For the firm:

KLEIN BROADCAST ENGINEERING, L.L.C.

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