

EXHIBIT 7

WNYN-LP CH. 39
NEW YORK, NY.

Calculation of occupational radiation exposure (controlled environments)

$$P_D \frac{\text{mw}}{\text{cm}^2} = \frac{33.4 \times (.10)^2 \times (.4 \times 100 + .1 \times 100)}{(3.4)^2} = 1.44 \frac{\text{mw}}{\text{cm}^2}$$

$$\text{max. allowed} = \frac{F}{300} = \frac{800}{300} = 2.67 \frac{\text{mw}}{\text{cm}^2}$$

Calculation of public radiation exposure (uncontrolled environments)

$$P_D \frac{\text{mw}}{\text{cm}^2} = \frac{33.4 \times (.10)^2 \times (.4 \times 100 + .1 \times 100)}{(10.2)^2} = .16 \frac{\text{mw}}{\text{cm}^2}$$

$$\text{max. allowed} = \frac{F}{1500} = \frac{800}{1500} = .53 \frac{\text{mw}}{\text{cm}^2}$$

EXHIBIT 1

WNYN-LP channel 39

New York, NY

This application for WNYN-LP channel 39 seeks to displace the assigned channel to channel 69 in the same location, height, and radiation patterns. This is based on Para. 73.3752(a)(4)(iv) of the current FCC rules which permit a channel displacement application if a DTV cochannel is authorized within 265 Km. WCTX-DT channel 39 New Haven, is only 106.06 Km. from WNYN-LP. In addition, WLVT-TV channel 39 Allentown, Pa. is 127.70 Km. from WNYN-LP, and 39 will become the digital channel for WLVT-DT since their channel 62 digital allocation is out of the core.

trial 69 Transmitter Information

Call Letters: trial 69
City: New York, NY
File Number:
Latitude: 40-44-50 N
Longitude: 073-56-38 W
ERP: 100.00 kW
Channel: 69-
Frequency: 893.0 MHz
AMSL Height: 213.0 m
HAAT: 213.0 m
Elevation: 1.21 m
Horiz. Antenna Pattern: Directional
Vert. Elevation Pattern: Yes
Electrical Beam Tilt: 0.0

Propagation Model: Longley/Rice
Climate: Continental temperate
Conductivity: 0.0050
Dielectric Constant: 15.0
Refractivity: 301.0
Receiver Height AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Situation Variability: 50.0%
ITM Mode: Broadcast

