

TECHNICAL STATEMENT
IN SUPPORT OF
MODIFICATION OF LICENSE
WLZW CHANNEL 254B
UTICA, NY
FCC I.D 169

This instant application is being filed on behalf of Townsquare Media Licensee of Utica/Rome Inc., licensee of the above referenced FM broadcast station, the purpose of which is to inform the Commission in accordance with 47 CFR §73.1690(c)(1) that the Licensee has replaced its main transmitting antenna.

The antenna, an E.R.I. SHPX-3AE and has been installed at the exact center of radiation as that of the old antenna; therefore the height above average terrain (HAAT) has not changed.

Figure 1, is a vertical sketch of the tower showing all pertinent elevations and antenna locations.

Figure 2, is a portion of an USGS topographical map entitled South Trenton, and shows the exact location of the existing supporting structure which has been assigned an ASRN of 1006963.

Figure 3, is a vertical plane relative field pattern for the installed antenna.

Environmental Considerations

Since the Licensee has simply replaced an existing antenna on an existing registered tower, the only consideration is that of non-ionizing radiation (RFR) emitted from the new antenna.

Utilizing the OET FM Model program, the maximum power density two meters above ground level is $26.7 \mu\text{w}/\text{cm}^2$, located 41 meters from the base of the tower. This is only 13.3% of the Maximum Permissible Exposure (MPE) of $200 \mu\text{w}/\text{cm}^2$ for uncontrolled areas.

The power density at the base of the tower is found to be $7.6 \mu\text{w}/\text{cm}^2$ or 0.76% of the MPE of $1000 \mu\text{w}/\text{cm}^2$ as defined in OET Bulletin 65 as revised.

There are no other radiators of significance in the immediate area. The license will either lower power or cease operation altogether in order to protect workers while on the tower.

The tower is fenced with appropriate signs warning of the possibility of RFR exposure.

Signed September 13, 2012
Fred W. Greaves Jr
Technical Services

September 2012

Figure 1

Townsquare Media Licensee of Utica/Rome, NY

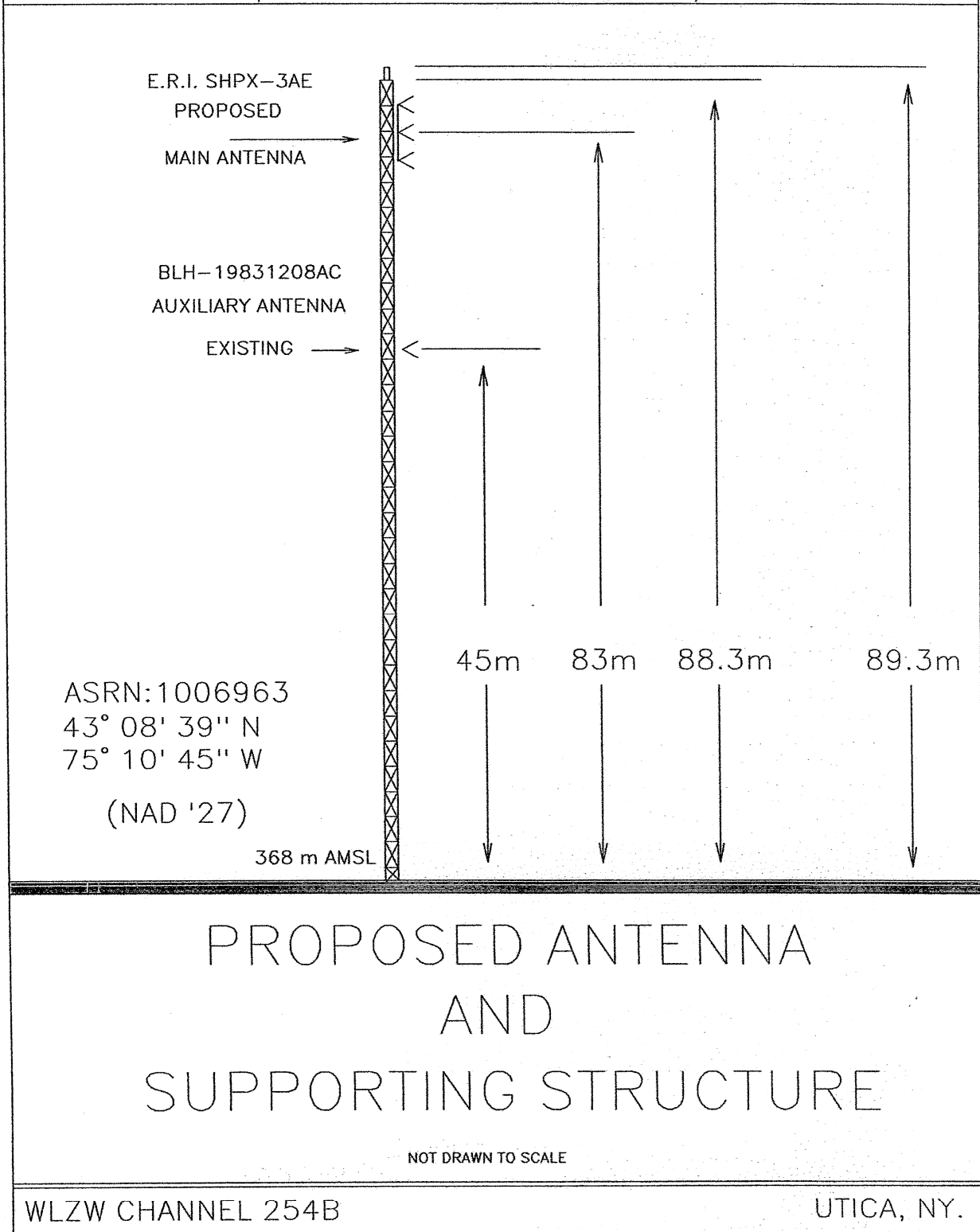
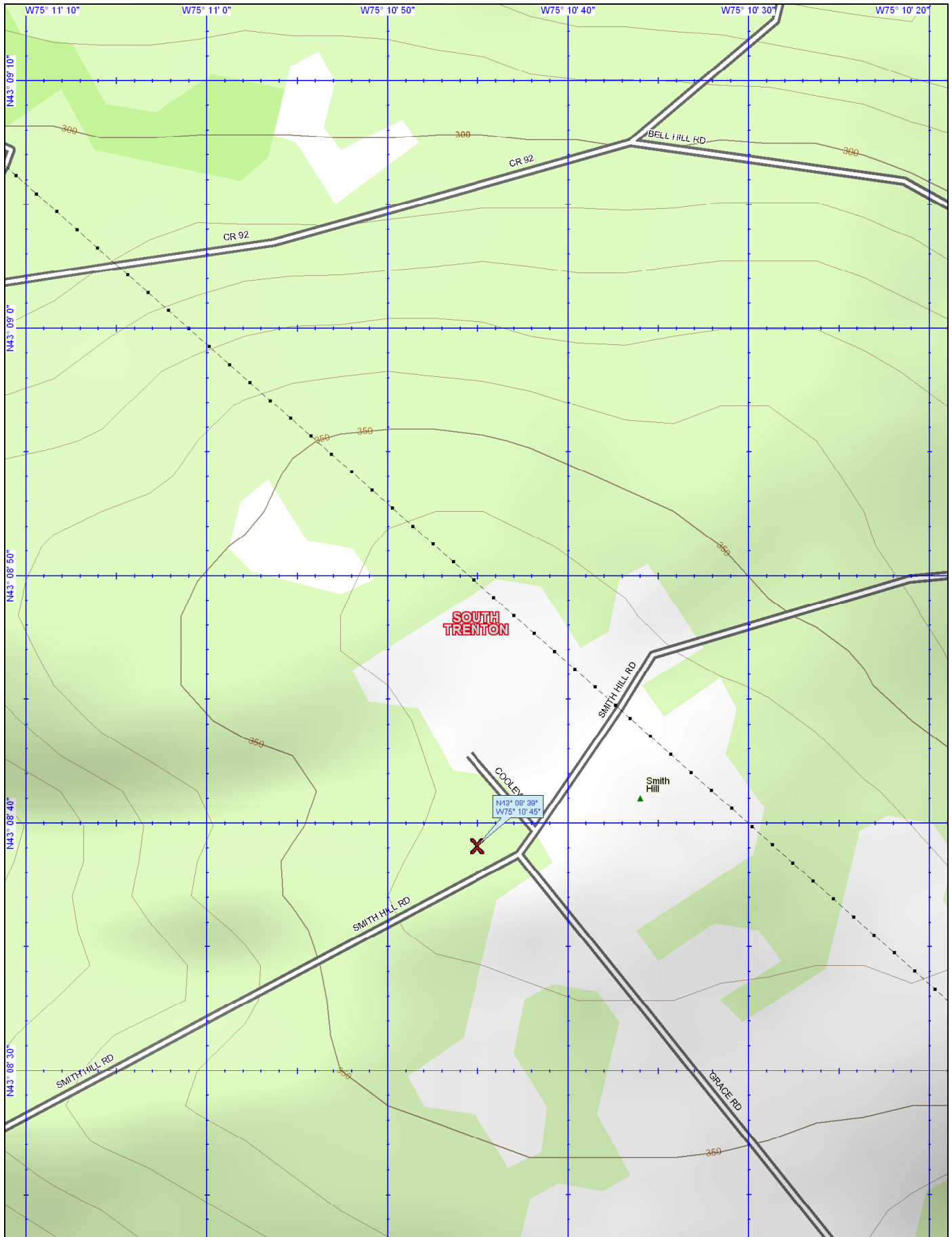


FIGURE 2



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Scale 1" = 6400'
4" = 1600'

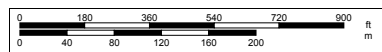


FIGURE 3

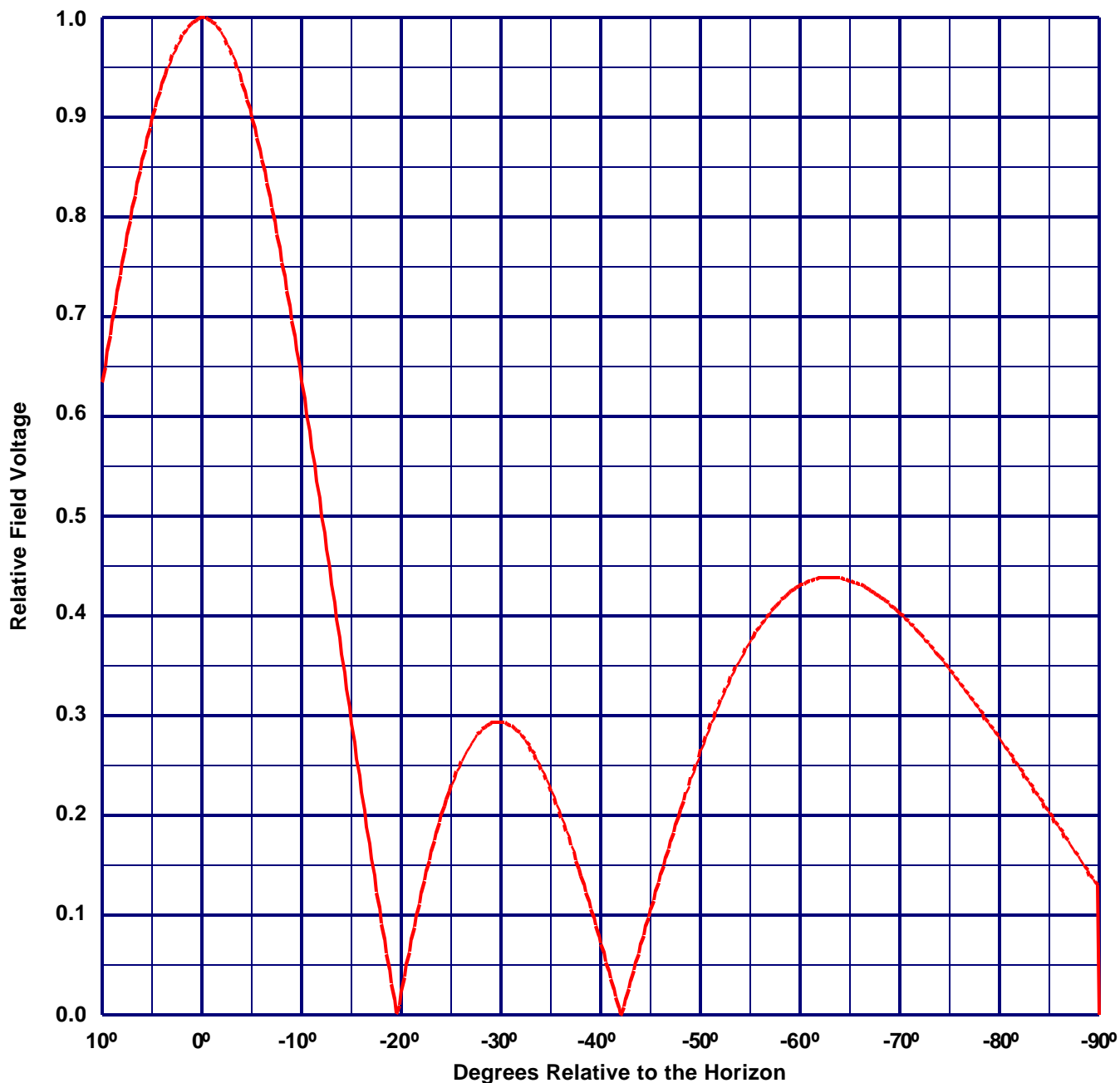


Vertical Plane Relative Field Pattern

ERI TYPE SHP, SHPX, MP, MPX, LP OR LPX ELEMENTS

A 3 level, 1 wave-length spaced non directional antenna

with 0° beam tilt, 0% null fill and a H/V maximum power ratio of 1.000



Vertical Polarization Gain:

Maximum: 1.559 (1.928 dB)

Horizontal Plane: 1.559 (1.928 dB)

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