

Exhibit 40 - Statement A
PROPOSED ANTENNA SYSTEM
prepared for
WKYT Licensee Corporation
WKYT-DT Lexington, Kentucky
Facility ID 24914
Ch. 13 30 kW (MAX-DA) 282 m

WKYT Licensee Corporation, licensee of analog station WKYT-TV (Channel 27), has been granted authority to construct the paired WKYT-DT facility on Channel 59 (file number BPCDT-19990909AAI, facility ID 24914). The Commission, in their Report and Order in MM Docket 00-118, DA 01-380, released February 16, 2001 (“*R&O*”), granted a Petition for Rulemaking to substitute Channel 13 for Channel 59 as WKYT-TV’s DTV allotment, with an effective radiated power (“ERP”) of 5 kilowatts and a height above average terrain (“HAAT”) of 300 meters. The purpose of the instant minor change application is to specify operation of WKYT-DT on Channel 13, with a maximum ERP of 30 kilowatts and a HAAT of 282 meters. A new directional antenna pattern is also proposed herein. No other changes to the construction permit are sought.

The proposed WKYT-DT antenna system will be side-mounted on the existing WKYT-TV tower structure, having FCC Antenna Structure Registration number 1030383. This site is the reference site for this station as established in the *R&O*.

The proposed transmitting antenna, a *Dielectric* model THV-5A13-R C180, is directional in the horizontal plane. This antenna will employ 0.50 degrees of electrical beam tilt. The effective radiated power will be 30 kilowatts, horizontally polarized. The antenna system will be installed in accordance with the manufacturer’s instructions. Said installation will be supervised on-site by a competent technical representative of the applicant. The antenna’s horizontal plane pattern, expressed in terms of relative field and power, is supplied as **Exhibit 40 - Figure 1** and **Exhibit 40 - Figure 1A**, properly oriented relative to True North. **Exhibit 40 - Figure 2** and **Exhibit 40 - Figure 2A** present the theoretical vertical plane (elevation) pattern for the antenna system.



**EXHIBIT 40 - FIGURE 1
ANTENNA HORIZONTAL PLANE
RADIATION PATTERN
RELATIVE FIELD**

prepared July 2001 for

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Cavell, Mertz & Davis, Inc.
Fairfax, Virginia

True North

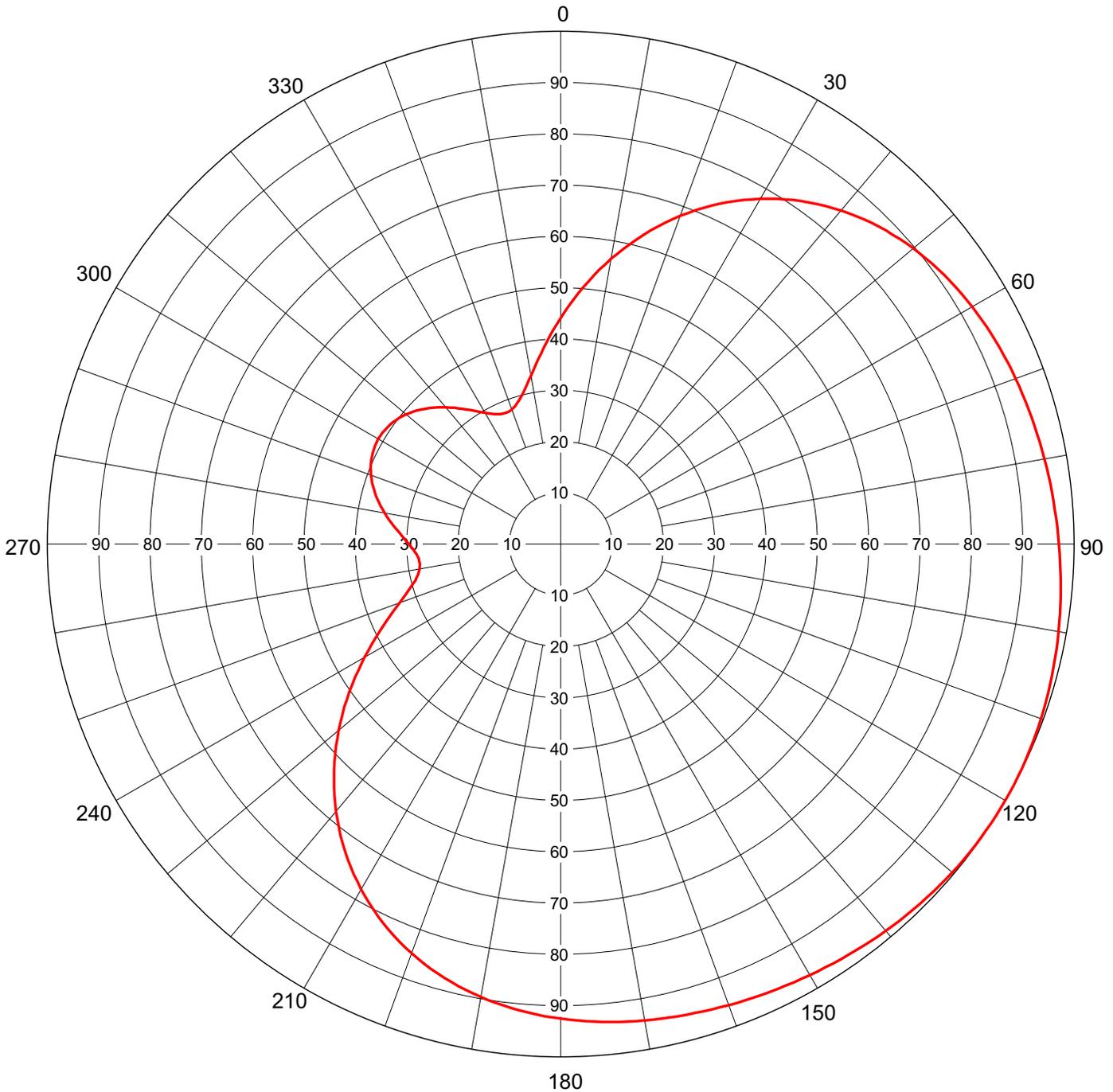




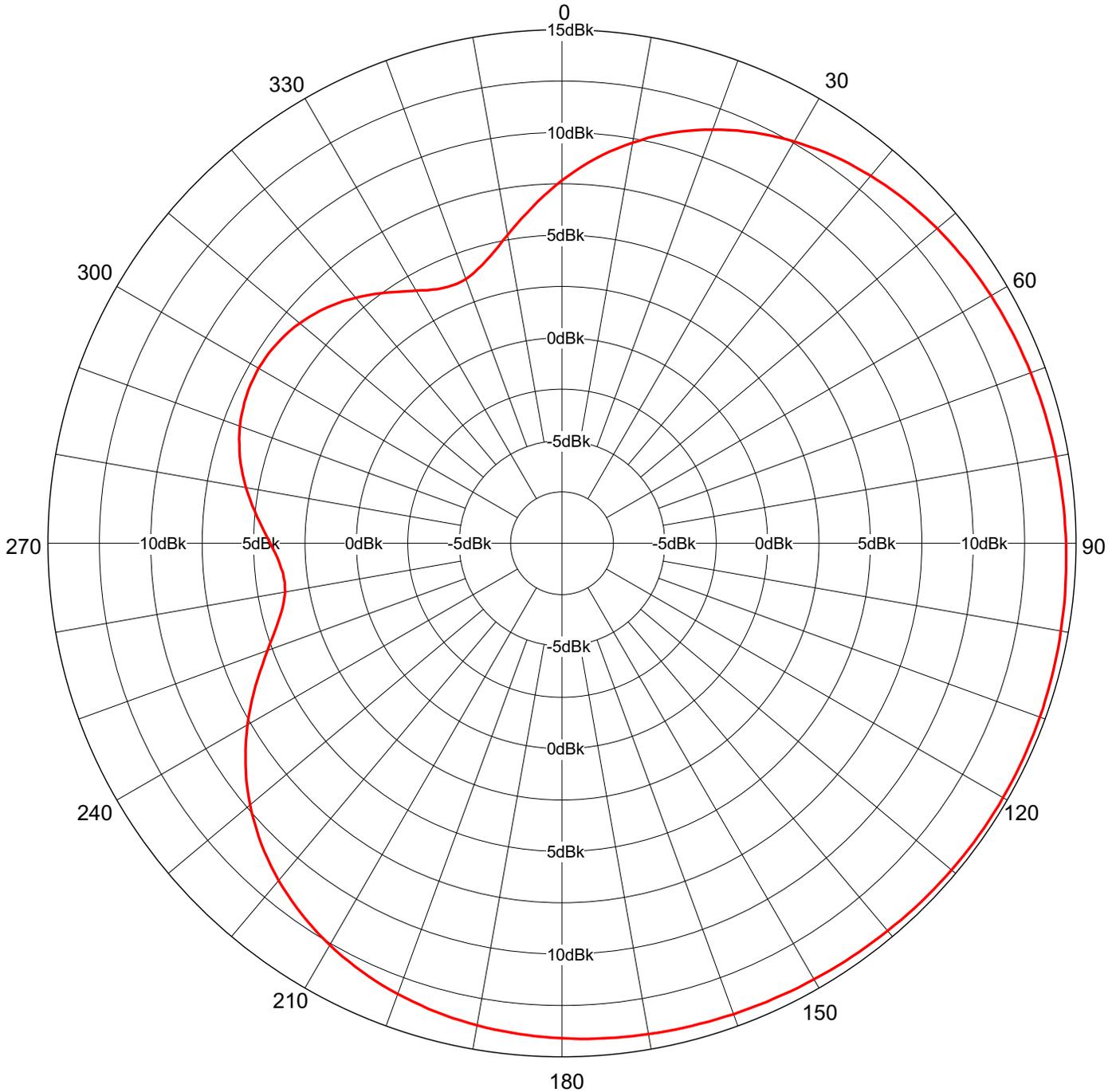
EXHIBIT 40 - FIGURE 1A
ANTENNA HORIZONTAL PLANE
RADIATION PATTERN
dBk

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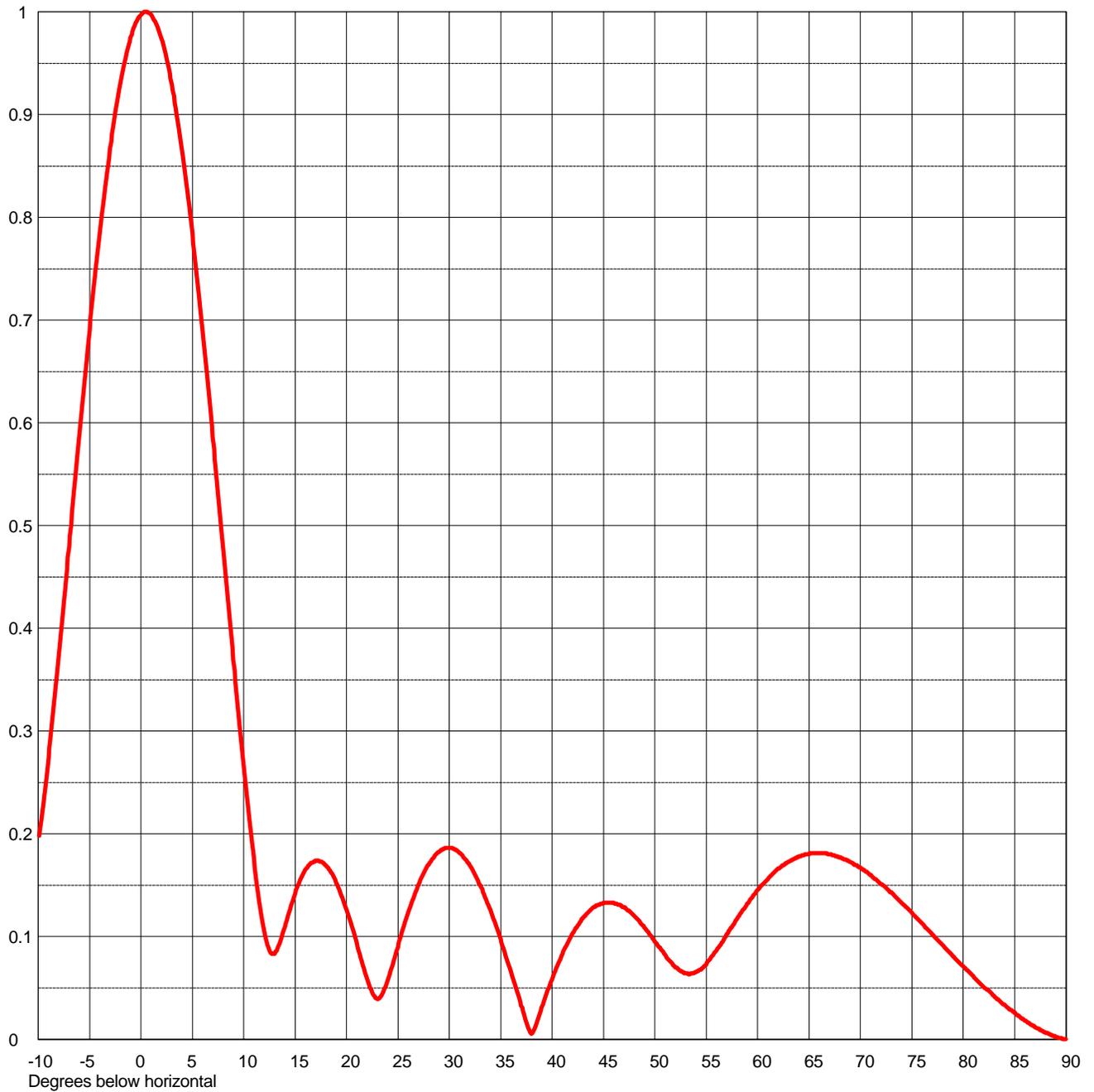


**EXHIBIT 40 - FIGURE 2
ANTENNA VERTICAL PLANE
RADIATION PATTERN**

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**EXHIBIT 40 - FIGURE 2A
ANTENNA VERTICAL PLANE
RADIATION PATTERN
DETAIL**

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