

Exhibit 40 - Statement A  
**NATURE OF THE PROPOSAL**  
**PROPOSED ANTENNA SYSTEM**

prepared for  
**Crossover Licenses, Ltd.**  
WNKY-DT Bowling Green, Kentucky  
Facility ID 61217  
Ch. 16 600 kW 224 m

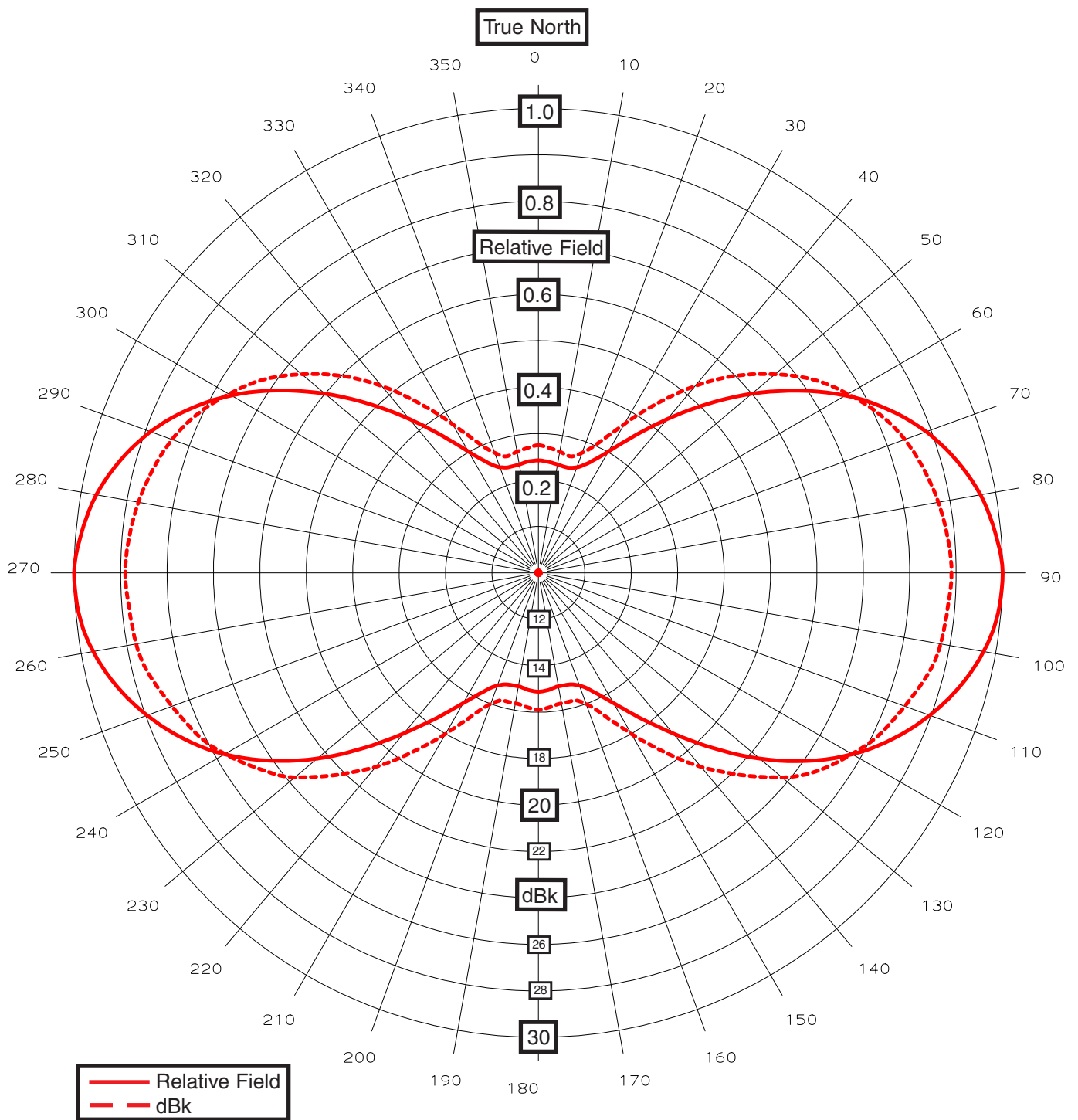
*Crossover Licenses, Ltd.* ("*Crossover*") is the licensee of analog WNKY(TV), Channel 40, Bowling Green, Kentucky, (file number BLCT-19960813KE). The Commission's DTV Table of Allotment assigns WNKY-DT paired DTV Channel 16 for which an application is pending (BPCDT-19991101ADV). The WNKY-DT application appeared on the March 1, 2002 Public Notice listing mutually exclusive DTV Applications in Group #6 with WELF-DT(DTV Channel 16, Dalton, GA, BPCDT-19991013ABQ) and WZTV-DT (DTV Channel 15, Nashville, TN, BPCDT-19991101ADI). With the instant amendment, *Crossover* is proposing a substitute directional antenna for WNKY-DT which, according to the results of a detailed interference study utilizing a 1 km grid, appears to resolve the mutually exclusive situation between WNKY-DT and WELF-DT and between WNKY-DT and WZTV-DT.

The proposed WNKY-DT antenna system will be side-mounted on an existing antenna supporting structure, having FCC Antenna Structure Registration number 1042998. This antenna supporting structure is currently authorized for the paired analog TV station, WNKY(TV).

The proposed transmitting antenna, an *Andrew* model ALP16M2-HSH-16, is directional in the horizontal plane. This antenna will employ 0.50 degrees of electrical beam tilt. The ERP will be 600 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**, properly oriented relative to True North. **Exhibit 40 - Figures 2 and 2A** present the theoretical vertical plane (elevation) pattern for the antenna system.

Exhibit 40 Statement A:  
prepared May 24, 2002 by  
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**Cavell, Mertz & Davis, Inc.**



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

prepared May 2002 for  
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**Cavell, Mertz & Davis, Inc.**  
 Manassas, Virginia

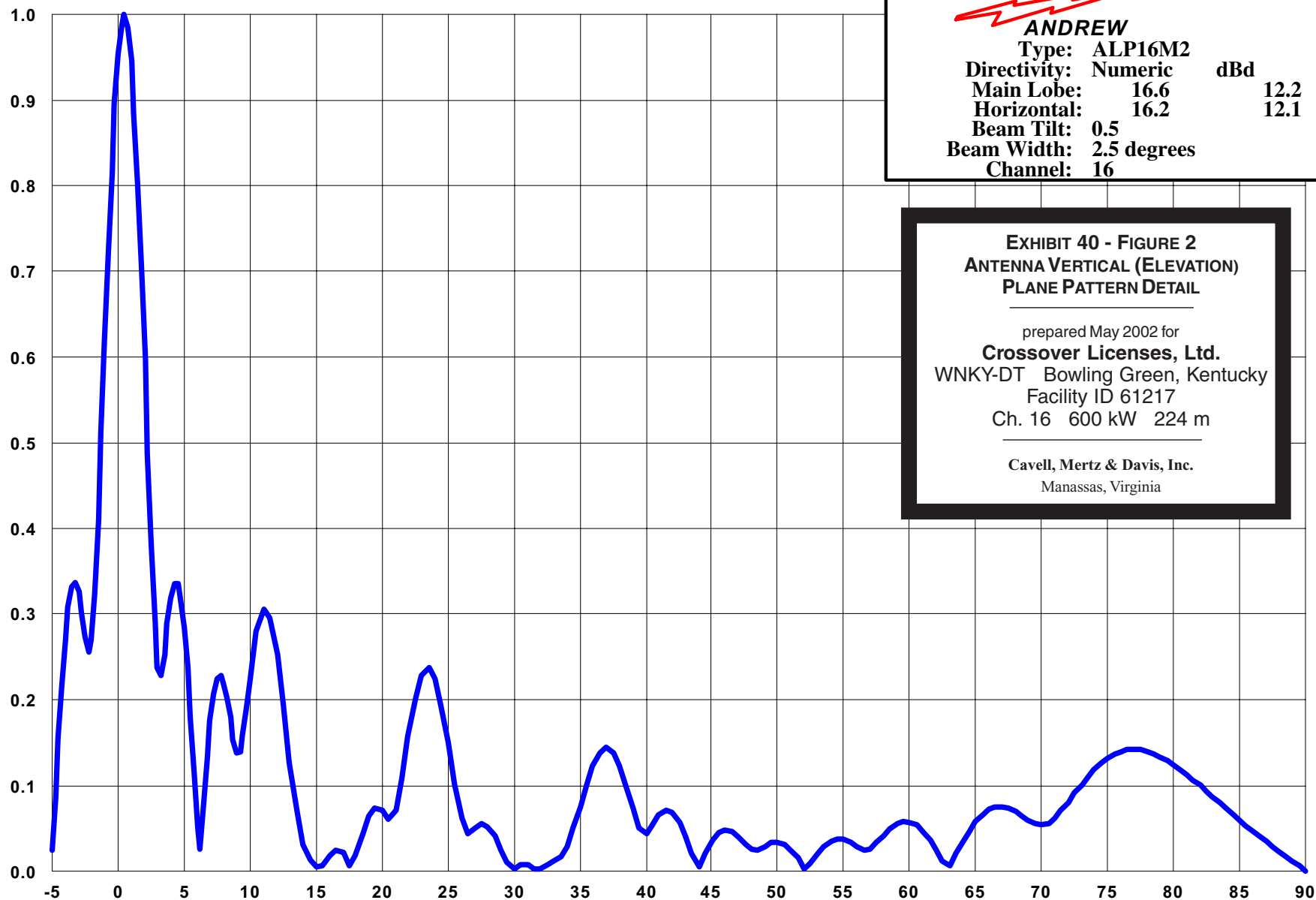


**ANDREW**  
Type: ALP16M2  
Directivity: Numeric dBd  
Main Lobe: 16.6 12.2  
Horizontal: 16.2 12.1  
Beam Tilt: 0.5  
Beam Width: 2.5 degrees  
Channel: 16

**EXHIBIT 40 - FIGURE 2  
ANTENNA VERTICAL (ELEVATION)  
PLANE PATTERN DETAIL**

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Manassas, Virginia



**ANDREW CORPORATION**  
10500 W. 153rd Street  
Orland Park, Illinois U.S.A. 60462

Company:  
Site:  
Proposal Number:

Author:

Date: 05/21/2002



**ANDREW**

Type: ALP16M2

Directivity: Numeric dBd

Main Lobe: 16.6 12.2

Horizontal: 16.2 12.1

Beam Tilt: 0.5

Beam Width: 2.5 degrees

Channel: 16

**EXHIBIT 40 - FIGURE 2A  
ANTENNA VERTICAL (ELEVATION)  
PLANE PATTERN**

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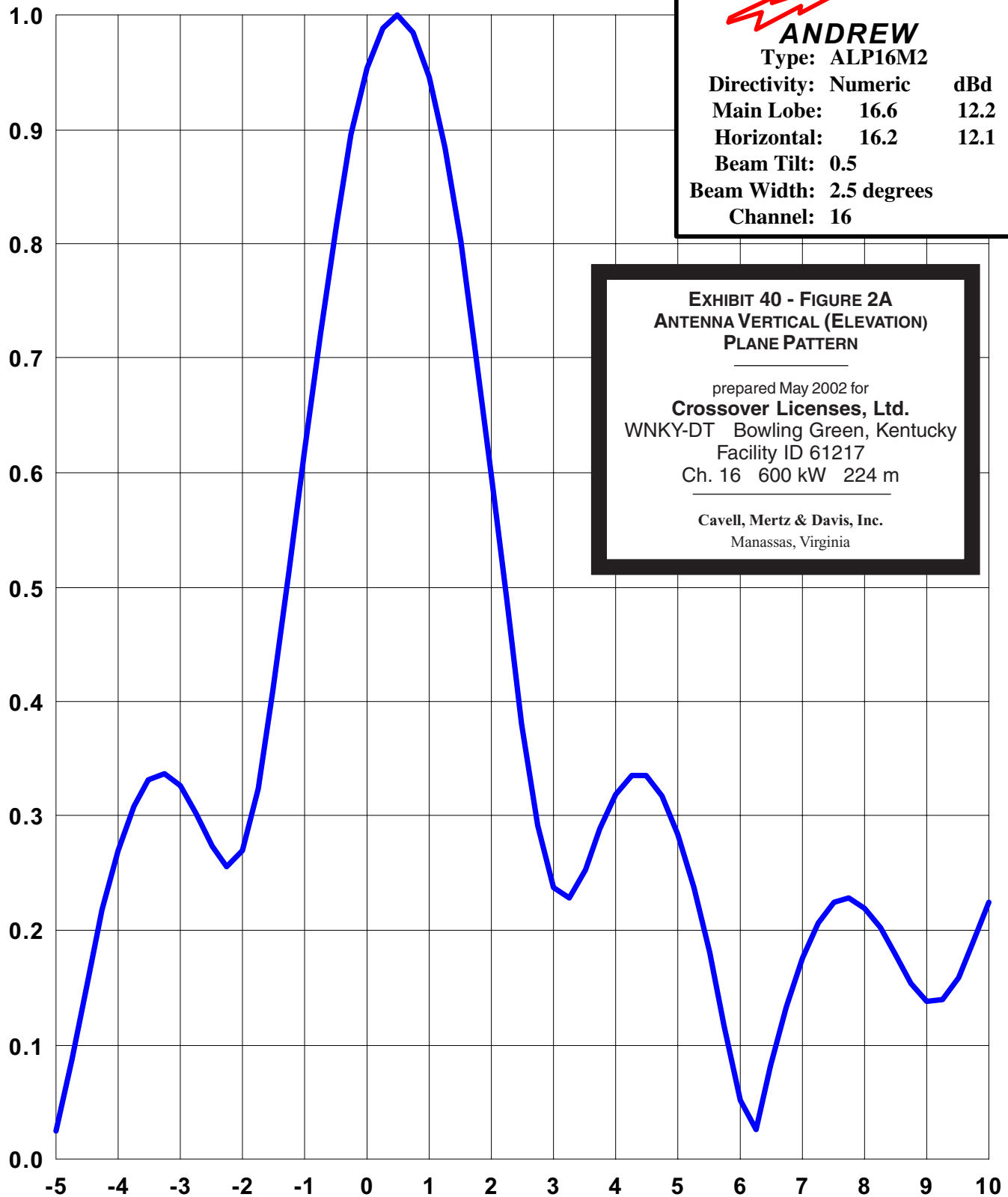
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