

Exhibit 40 - Statement A  
**NATURE OF THE PROPOSAL**  
**PROPOSED ANTENNA SYSTEM**  
prepared for  
**Emmis Television License Corporation**  
KREZ-DT Durango, Colorado  
Facility ID 48589  
Ch. 15 46 kW 90.4 m

*Emmis Television License Corporation*, licensee of analog station KREZ-TV Channel 6 (file number BLCT-19851107KJ), has a Construction Permit (“CP”) for its “paired” digital television (“DTV”) assignment on Channel 15. The CP (BPCDT-19991029AGL) authorizes a directional antenna system, an effective radiated power (ERP) of 50 kW, and an antenna height above average terrain (HAAT) of 93 meters. The purpose of the instant proposal is to specify changes in the proposed antenna system (and commensurate directional antenna pattern), and slight decreases in ERP and antenna HAAT to 46 kW and 90 meters, respectively. Additionally, a change in geographic coordinates of two seconds latitude is specified herein to correct the KREZ-DT site data.

The proposed KREZ-DT antenna system will be side-mounted on an existing tower structure, having an overall height above ground of 56.7 meters. The subject antenna structure, which is employed by the licensed KREZ-TV Channel 6 facility, is not registered with the Commission’s Antenna Structure Registration (“ASR”) program. This existing antenna structure “passes” the Commission’s “TOWAIR” (slope test) computer query regarding nearby aircraft landing areas. No change to the overall height of the existing antenna structure will result from installation of the proposed KREZ-DT antenna.

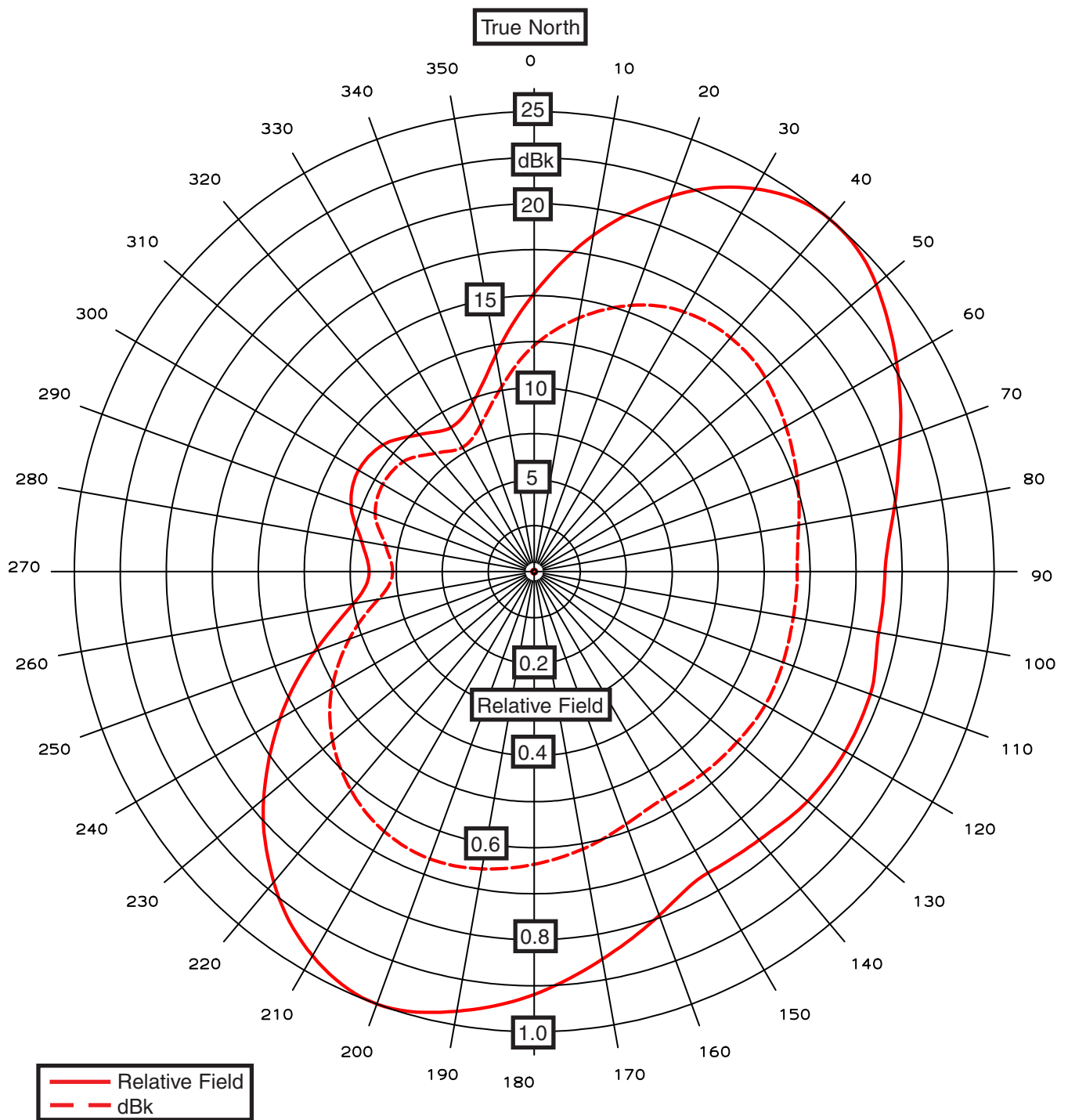
Since the instant proposal is a “non-checklist” application, the results of a detailed interference study are supplied within **Exhibit 41 - Statement B**. As shown therein, the instant proposal satisfies the Commission’s published interference criteria.

The proposed transmitting antenna, a *Dielectric* (model TLP-16I) will employ 1 degree of electrical beam tilt and will be directional in the horizontal plane. The maximum ERP will be 46 kilowatts, horizontally polarized. The antenna system will be installed in accordance with the

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manufacturer's instructions. Said installation will be supervised on-site by a competent technical representative of the applicant.

The proposed horizontal plane directional pattern, expressed in terms of relative field and dBk, is depicted graphically in **Exhibit 40 - Figure 1** (properly oriented to True North). **Exhibit 40 - Figures 2 and 2A** provide the vertical plane (elevation) radiation pattern.



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

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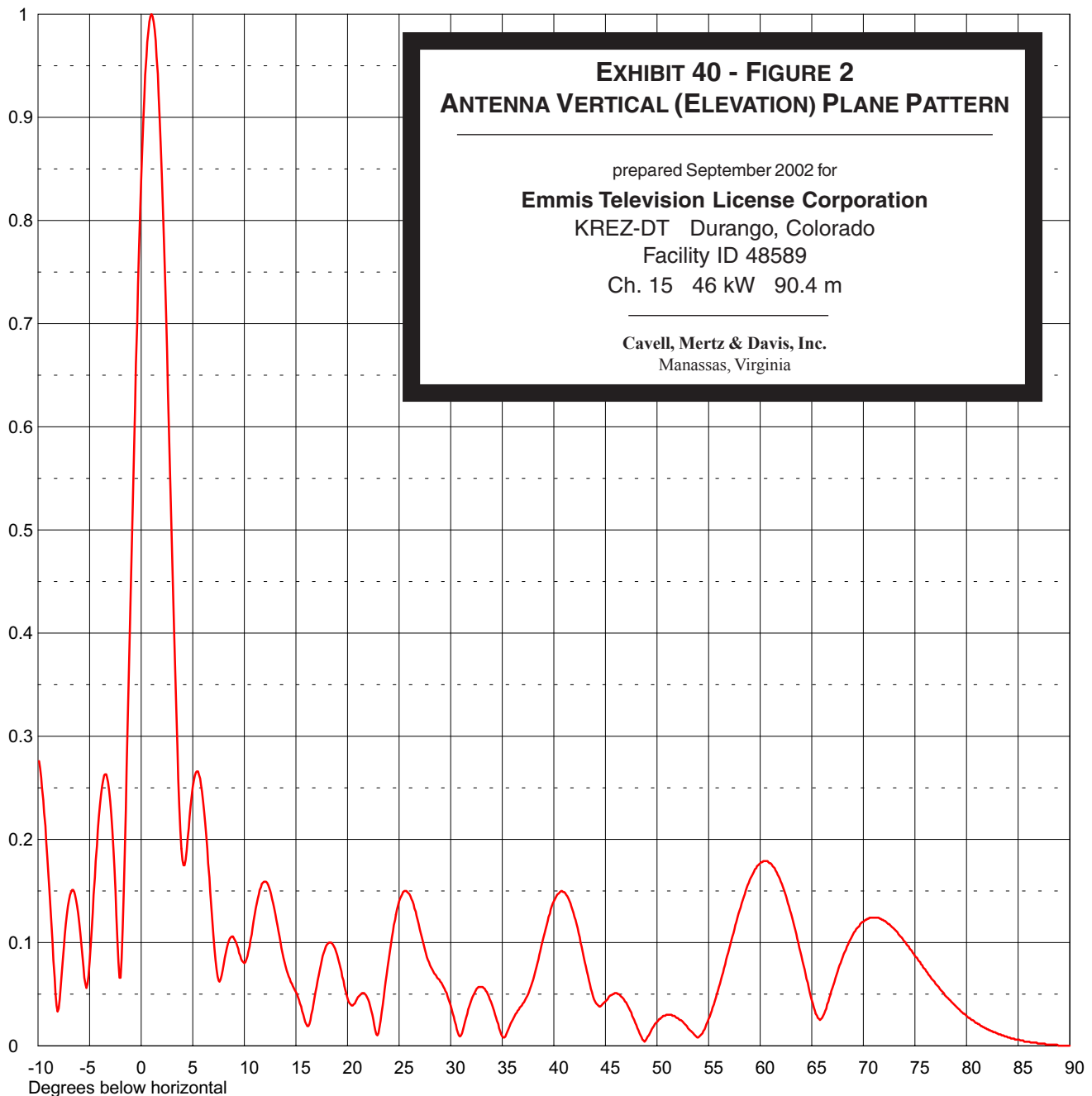
Cavell, Mertz & Davis, Inc.  
 Manassas, Virginia



Date	09 Sep 2002		
Call Letters	KREZ-DT	Channel	15
Location	Durango, CO		
Customer			
Antenna Type	TLP-16I (C)		

### ELEVATION PATTERN

RMS Gain at Main Lobe	16.0 (12.04 dB)	Beam Tilt	1.00 Degrees
RMS Gain at Horizontal	11.3 (10.53 dB)	Frequency	479.00 MHz
Calculated / Measured	Calculated	Drawing #	16L160100-90





Date	09 Sep 2002		
Call Letters	KREZ-DT	Channel	15
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