

Exhibit 41 - Statement A  
**PROPOSED ANTENNA SYSTEM**  
**ALLOCATION CONSIDERATIONS**  
prepared for  
**Multimedia Holdings Corporation**  
KNAZ-DT Flagstaff, Arizona  
Facility ID 24749  
Ch. 22 283 kW 465 m

*Multimedia Holdings Corporation* (“*Multimedia*”) is the permittee of KNAZ-DT, Channel 22, Flagstaff, Arizona (BMPCDT-20020603AAP) and licensee of the paired analog KNAZ-TV Channel 2 facility (BLCT-19811006KM). Under its Construction Permit (“CP”), KNAZ-DT is authorized to operate with an effective radiated power (“ERP”) of 885 kW at an antenna height above average terrain (“HAAT”) of 465 meters. KNAZ-DT is currently operating under Special Temporary Authorization (“STA”) with facilities similar to those authorized in the CP but at a reduced power level of 39.73 kW (BDSTA-20020404ABC). The instant application proposes to modify the CP to specify operation of KNAZ-DT with an ERP of 283 kW.

All KNAZ-DT facilities described herein specify the same transmitting location. No change in site location is proposed. The existing KNAZ-DT antenna supporting structure is associated with FCC Antenna Structure Registration number 1007647. No change to the overall structure height is proposed.

The specified antenna system is a Dielectric model TFU-24DSB-B(C). The antenna’s horizontal plane pattern, expressed in terms of relative field and power, is supplied in **Exhibit 41 - Figure 1**, properly oriented relative to True North. **Exhibit 41 - Figures 2 and 2A** graphically present the theoretical vertical plane (elevation) pattern.

A map is supplied as **Exhibit 41 - Figure 3**, which depicts the standard predicted coverage contours. This map includes the boundaries of Flagstaff, KNAZ-DT’s principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 48 dBu contour.

Exhibit 41 - Statement A  
**PROPOSED ANTENNA SYSTEM**  
**ALLOCATION CONSIDERATIONS**  
(Page 2 of 3)

The map attached as **Exhibit 41 - Figure 4** supplies a comparison of the presently authorized and proposed 41 dBμ noise-limited DTV service contour locations. No extension in contour location will result, in compliance with the Commission's August 3, 2004 "freeze" concerning expansion in service area.<sup>1</sup>

KNAZ-DT has successfully received a tentative post-transition channel assignment of Channel 2 and will "carry over" its authorized 885 kW, Channel 22 coverage area back to Channel 2. As shown below, the proposed facility would serve 80.9% of the target baseline service population, which satisfies the 80% population match requirement of the DTV Channel election process<sup>2</sup>.

KNAZ-DT Population Match Determination<sup>3</sup>

<u>KNAZ-TV Facility</u>	<u>ERP/HAAT</u>	<u>Interference-Free Service Population (2000 Census)</u>	<u>Percent match of Target</u>
NTSC Ch. 2 (1997 baseline facility)	100 kW / 488 m	277,991	--
DTV Ch. 22 Allotment	1000 kW / 488 m	234,675	--
DTV Ch. 22 Proposed	283 kW / 465 m	189,936	80.9%

**Allocation Matters**

Under the instant proposal, KNAZ-DT will operate at its presently authorized site with reduced ERP. The resulting coverage and interfering contour locations are wholly within those of the authorized facility. The proposal's ERP/HAAT combination (283 kW / 465 m) does not exceed that which was allotted to KNAZ-DT (1000 kW / 488 m), therefore a detailed interference study per OET Bulletin 69 is not required. As a "checklist" facility, no consideration of Class A television stations is required.

---

<sup>1</sup>Public Notice "Freeze on the Filing of Certain TV and DTV Requests for Allotment or Service Area Changes," DA 04-2446, released August 3, 2004.

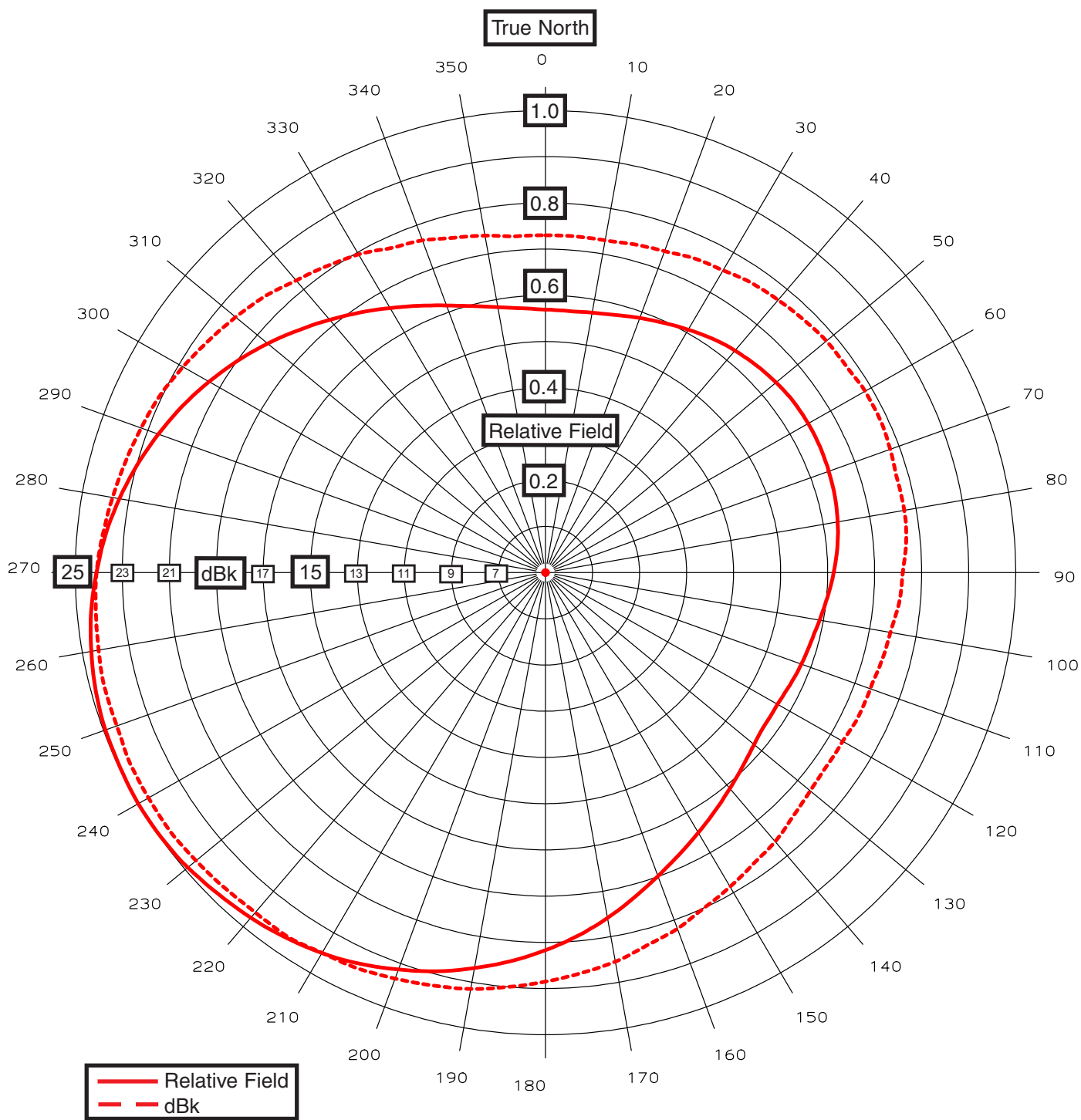
<sup>2</sup>See Report and Order, "Second Periodic Review of the Commission's Rules and Policies Affecting the Conversion to Digital Television," FCC 04-192, released September 7, 2004.

<sup>3</sup>Interference-free service population is population within contour less population subject to terrain blockage and interference per FCC OET Bulletin 69. Target population for "Percent Match" is the smaller of the 1997 NTSC facility and DTV allotment.

Exhibit 41 - Statement A  
**PROPOSED ANTENNA SYSTEM**  
**ALLOCATION CONSIDERATIONS**  
(Page 3 of 3)

The nearest FCC monitoring station is 422 km distant at Douglas, Arizona. This exceeds by a great margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. There are no AM broadcast stations within 3.2 km (2 miles) of the proposed site, according to information extracted from the Commission's engineering database.

Thus, this proposal is believed to be in compliance with the current Commission Rules and policy with respect to allocation matters.



# **EXHIBIT 41 - FIGURE 1** **ANTENNA HORIZONTAL PLANE** **RADIATION PATTERN**

prepared June 2006 for  
**Multimedia Holdings Corporation**  
 KNAZ-DT Flagstaff, Arizona  
 Facility ID 24749  
 Ch. 22 283 kW 465 m

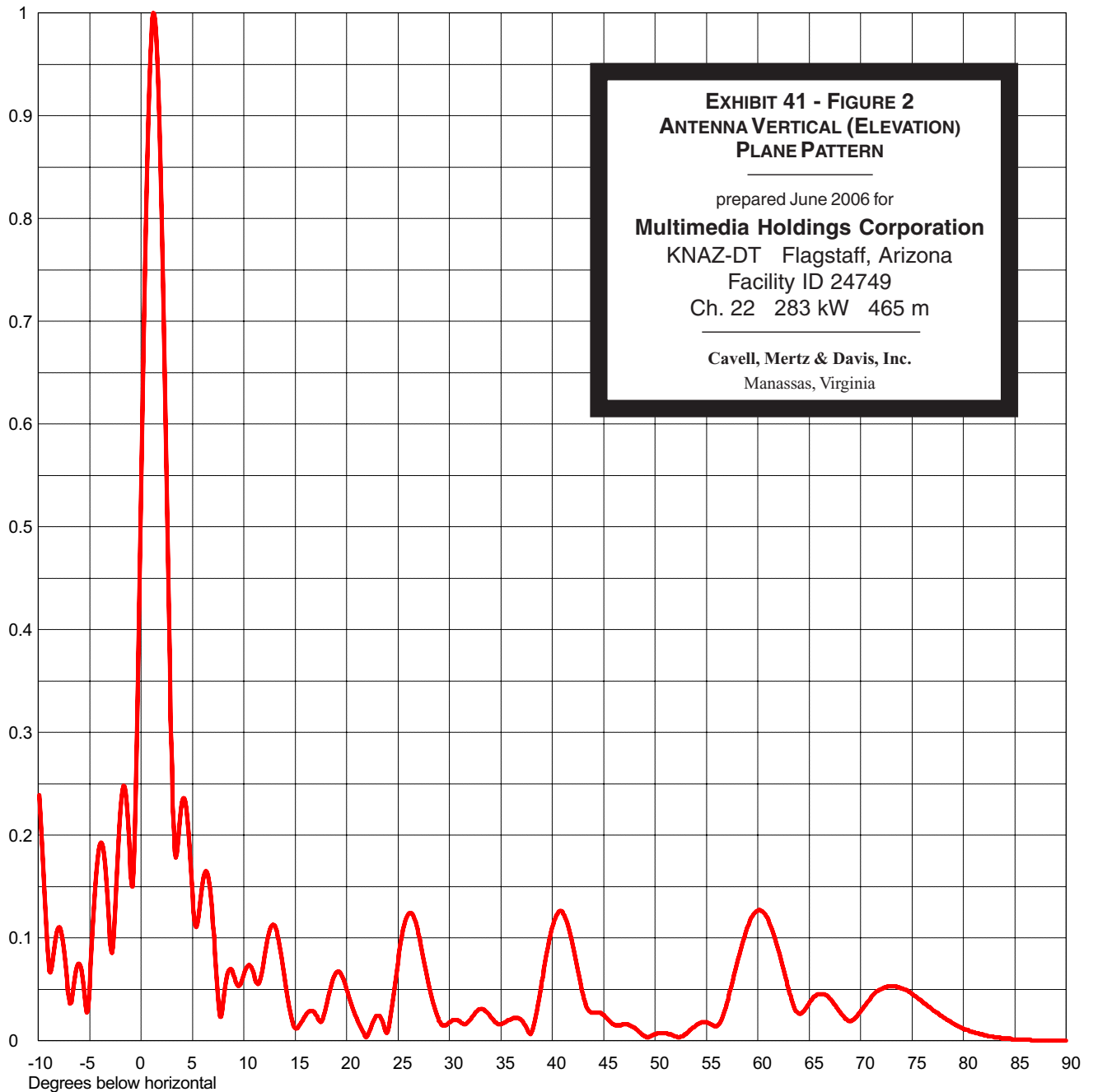
**Cavell, Mertz & Davis, Inc.**  
 Manassas, Virginia



Proposal Number	<b>1A038-1</b>	Revision	<b>1</b>
Date	<b>30 May 2002</b>		
Call Letters	<b>KNAZ-DT</b>	Channel	<b>22</b>
Location	<b>Flagstaff, AZ</b>		
Customer	<b>Gannett</b>		
Antenna Type	<b>TFU-24DSB-B (C)</b>		

### ELEVATION PATTERN

RMS Gain at Main Lobe	<b>24.0 (13.80 dB)</b>	Beam Tilt	<b>1.25 Degrees</b>
RMS Gain at Horizontal	<b>6.7 (8.26 dB)</b>	Frequency	<b>521.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>24B240125</b>

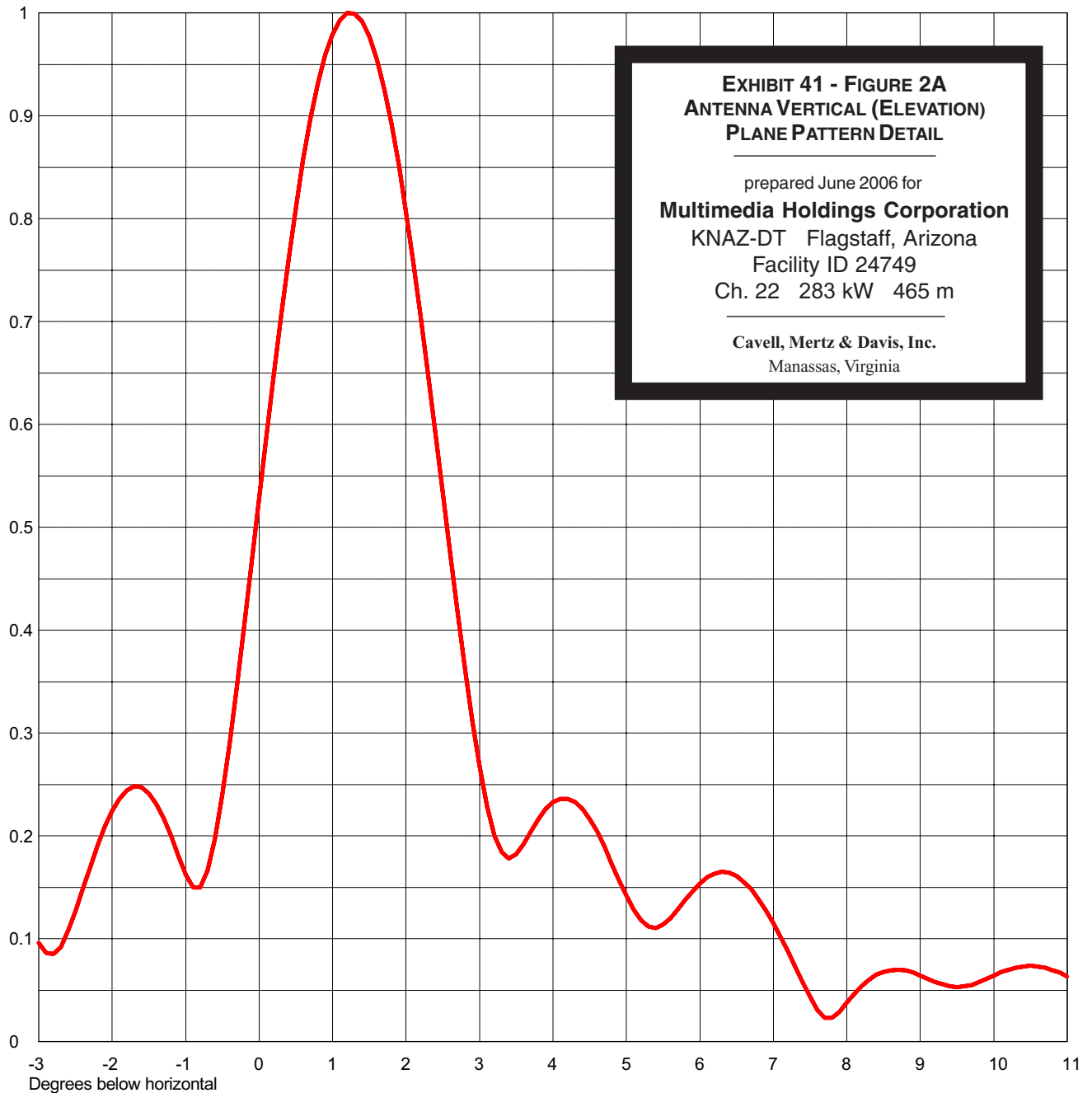




Proposal Number	<b>1A038-1</b>	Revision	<b>1</b>
Date	<b>30 May 2002</b>		
Call Letters	<b>KNAZ-DT</b>	Channel	<b>22</b>
Location	<b>Flagstaff, AZ</b>		
Customer	<b>Gannett</b>		
Antenna Type	<b>TFU-24DSB-B (C)</b>		

### ELEVATION PATTERN

RMS Gain at Main Lobe	<b>24.0 (13.80 dB)</b>	Beam Tilt	<b>1.25 Degrees</b>
RMS Gain at Horizontal	<b>6.7 (8.26 dB)</b>	Frequency	<b>521.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>24B240125</b>



Remarks:

# **EXHIBIT 41 - FIGURE 3 PROPOSED COVERAGE CONTOURS**

prepared June 2006 for  
**Multimedia Holdings Corporation**  
 KNAZ-DT Flagstaff, Arizona  
 Facility ID 24749  
 Ch. 22 283 kW 465 m

**Cavell, Mertz & Davis, Inc.**  
 Manassas, Virginia

