Antenna Radiation Pattern Data

KMEX License Partnership, G.P. KMEX-DT Los Angeles, CA Ch 34 255 kW-DA 956 m (Aux)

This proposed auxiliary facility will use the Andrew ATW22HS8-ETC2L-34H antenna formerly licensed (BLCDT-20021118AACF) for transitional operation of KMEX-DT on channel 35. This antenna was designed and built as a dual-channel (34/35) antenna. The pages that follow provide the "as-built" azimuth and elevation radiation patterns for this antenna on channel 34.

The antenna is mechanically tilted 1.5° downward toward 200° T. The radiation pattern toward the radio horizon is determined by the azimuth pattern, the difference between the horizon angle and that of the mechanical tilt (varying by azimuth), and the elevation radiation characteristic. The azimuth pattern data shown in the application form is that toward the radio horizon and, therefore, will not match the azimuth pattern data attached.

The radio horizon radiation patterns were used to determine distances to the $40.7~dB\mu$ noise-limited coverage contours of the licensed main and proposed auxiliary facilities.

Note: Mechanical tilt (1.5° at 200° T) significantly modifies this azimuth pattern, toward the radio horizon.

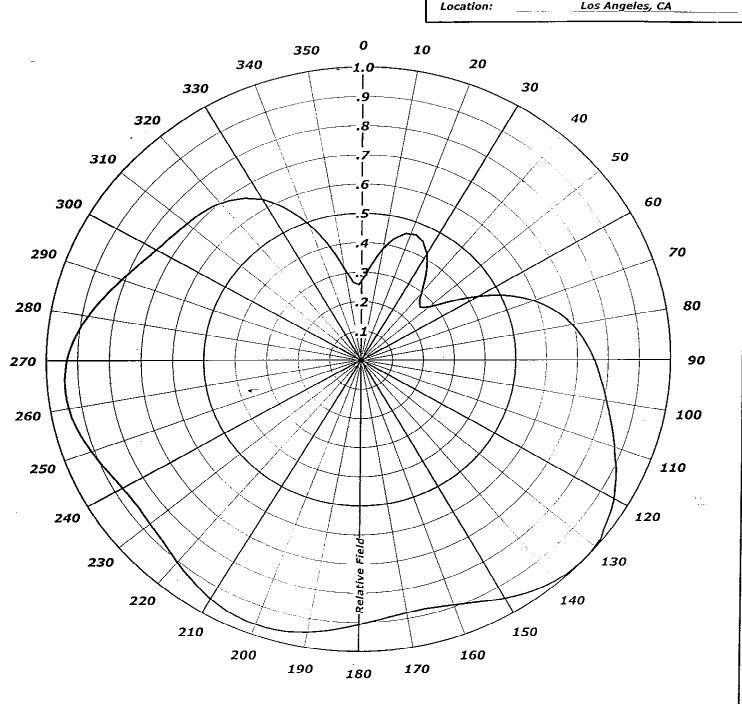
ANDREW CORPORATION 10500 W. 153rd Street Orland Park, Illinois U.S.A. 60462

ANDREW
AZIMUTH PATTERN

Туре:	CH34AZ-H		
	Numeric	dBd	
Directivity:			
Peak(s) At:			
Polarization:	Horizont	al	
Channel:	NTSC 34 & DTV 35		

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EXHIBIT A



Note: Mechanical tilt (1.5° at 200° T) significantly modifies this azimuth pattern, toward the radio horizon.

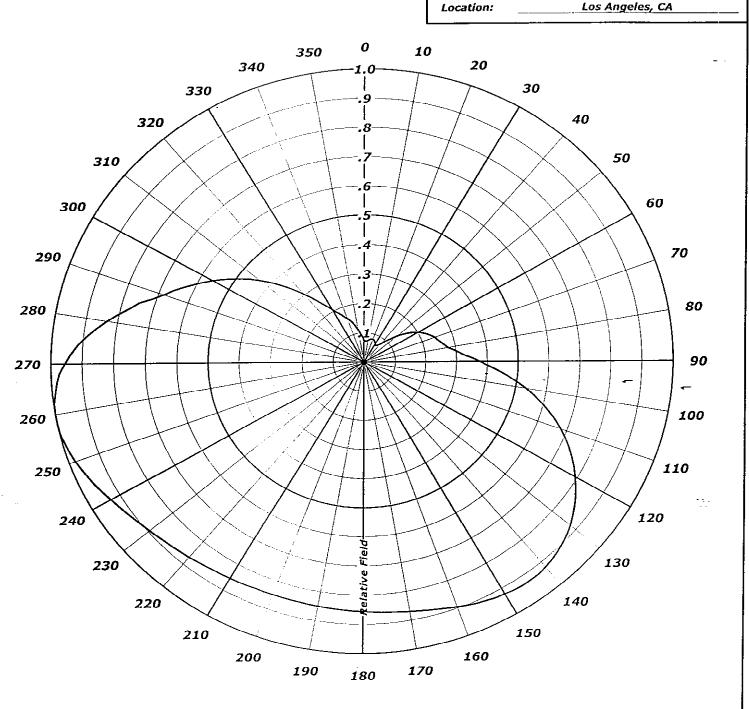
ANDREW AZIMUTH PATTERN

CH34AZ-V

Туре:	CH34AZ-V	
	Numeric	dBd
Directivity: Peak(s) At:		
reak(s) AL		

Vertical Polarization: NTSC 34 & DTV 35 Channel:

EXHIBIT B



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Note: Elevation pattern varies with azimuth ANDREW **EXHIBIT C** bearing due to the use of mechanical beam tilt. **ELEVATION PATTERN** 1.0 CH.34ELH Type: Directivity: Numeric dBdMain Lobe: Horizontal: .9 Beam Tilt: HORIZONTAL Polarization: 34 Los angeles, CA. Channel: Location: .8 .7 .6 Relative Field .4 .3 .2 .1 10 **Above** Angle From Horizontal, Degrees Below ANDREW CORPORATION 10500 W. 153rd Street Orland Park, Illinois U.S.A. 60462 ETC-23435 -23-

