

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of PAPPAS ARIZONA LICENSE, L.L.C., permittee of KSWT-DT, Channel 16, Yuma, Arizona, in support of its request for a Modification of its Special Temporary Authority to operate with reduced power. It is proposed that the antenna type be changed

Exhibit B provides antenna pattern data and proposed operating parameters are tabulated in Exhibit C. Because the power reduction will be only 0.3 db, the STA facility will continue to provide 48 dbu service to Yuma, and the 41 dbu contour of the STA facility will continue to be contained within the 41 dbu contour of the authorized KSWT-DT facility.

We have studied the RF transmissions of this facility with regard to their environmental effect. Employing the methods set forth in *OET Bulletin No. 65* and considering the vertical pattern of the proposed Andrew antenna, we calculate maximum power density two meters above ground from the proposed facility to be 0.081 mw/cm^2 , at locations 11 meters southeast of the tower base, which is 25 percent of the 0.32 mw/cm^2 reference at this frequency for uncontrolled areas. Because there are other RF sources at this site, data on KSWT-DT only does not demonstrate compliance with the RF exposure standards. Therefore, KSWT-DT will accept a modified STA requiring measurements or detailed calculations showing such compliance prior to the operation of this facility. Further, KSWT-DT will take whatever preventive steps are necessary, such as reducing power or leaving the air temporarily, to ensure that

EXHIBIT A

workers operating in the vicinity of the antenna are not exposed to excessive RF energy. On this basis, a grant of this proposal would clearly be a minor environmental action.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

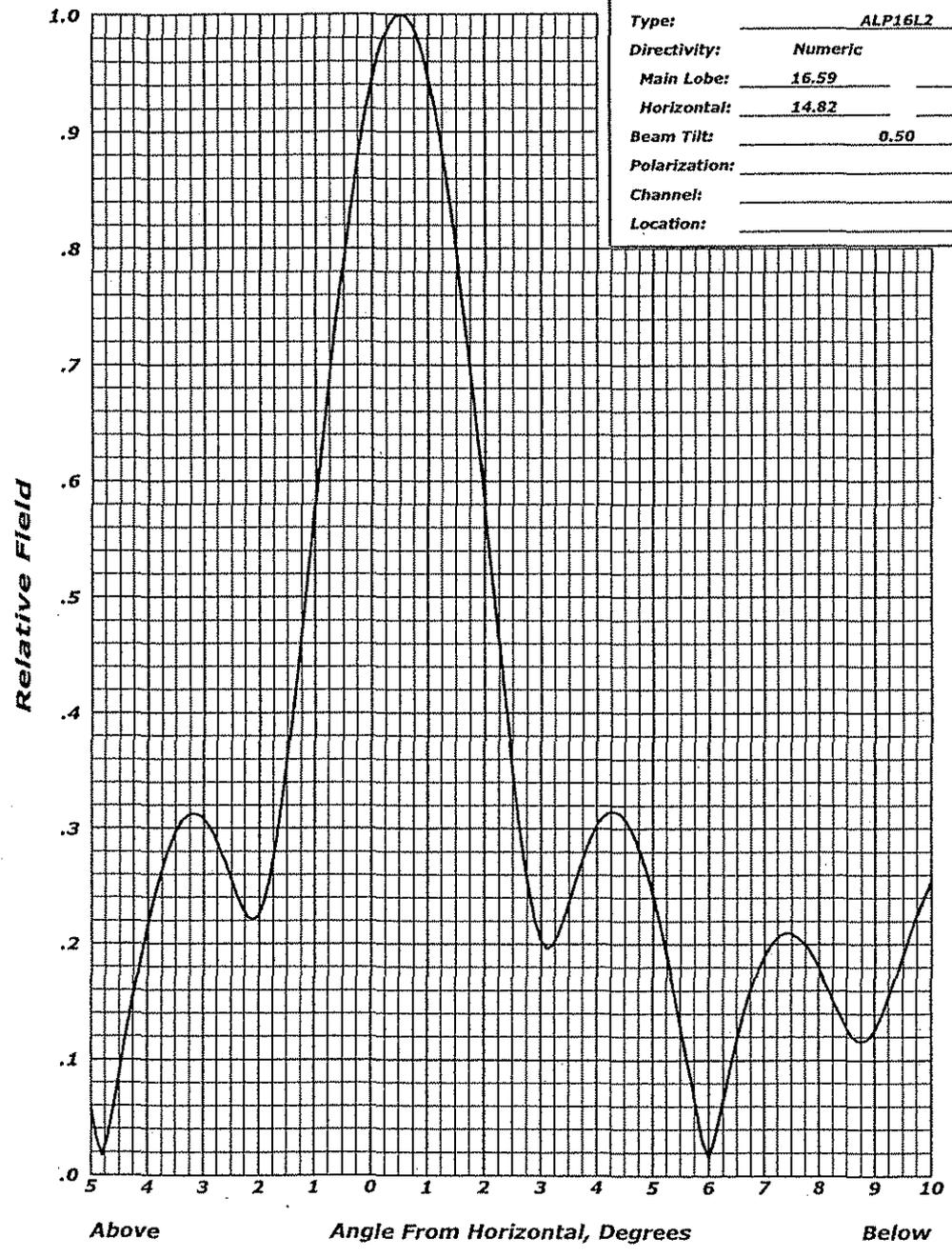


NEIL M. SMITH

July 19, 2002

ANDREW
ELEVATION PATTERN

Type:	ALP16L2	
Directivity:	Numeric	dBd
Main Lobe:	16.59	(12.20)
Horizontal:	14.82	(11.71)
Beam Tilt:	0.50	
Polarization:		
Channel:		
Location:		



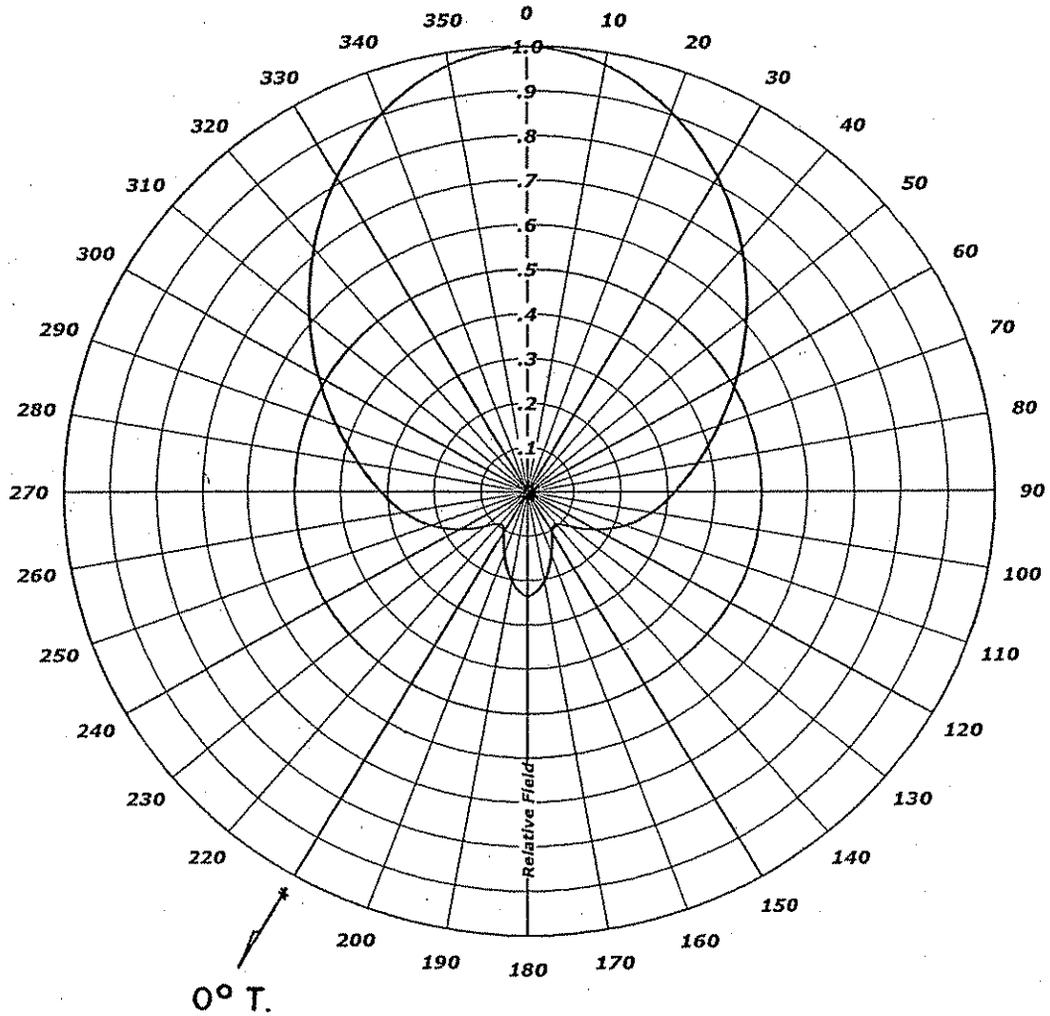
ANDREW CORPORATION
10500 W. 153rd Street
Orland Park, Illinois U.S.A. 60462

EXHIBIT B-1
VERTICAL RELATIVE FIELD PATTERN
PROPOSED MODIFIED STA FACILITY
KSWT-DT
CHANNEL 16 - YUMA, ARIZONA
SMITH AND FISHER

ANDREW
AZIMUTH PATTERN

Type: ALP-N

	Numeric	dBd
Directivity:	<u>3.77</u>	<u>(5.76)</u>
Peak(s) At:		
Polarization:	<u>Horizontal</u>	
Channel:		
Location:		



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

EXHIBIT B-2

HORIZONTAL RELATIVE FIELD PATTERN

**PROPOSED MODIFIED STA FACILITY
KSWT-DT
CHANNEL 16 - YUMA, ARIZONA**

SMITH AND FISHER

ANTENNA RADIATION VALUES
PROPOSED MODIFIED STA FACILITY
KSWT-DT
CHANNEL 16 - YUMA, ARIZONA

<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>	<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>
0	0.014	-2.6	180	0.815	15.3
10	0.094	-3.4	190	0.713	14.2
20	0.120	-1.3	200	0.611	12.8
30	0.168	1.6	210	0.517	11.4
40	0.221	4.0	220	0.435	9.9
50	0.269	5.7	230	0.368	8.4
60	0.316	7.1	240	0.316	7.1
70	0.368	8.4	250	0.269	5.7
80	0.435	9.9	260	0.221	4.0
90	0.517	11.4	270	0.168	1.6
100	0.611	12.8	280	0.120	-1.3
110	0.713	14.2	290	0.094	-3.4
120	0.815	15.3	300	0.104	-2.6
130	0.906	16.2	310	0.147	0.4
140	0.972	16.9	320	0.202	3.2
150	1.000	17.1	330	0.236	4.6
160	0.972	16.9	340	0.202	3.2
170	0.906	16.2	350	0.147	0.4

PROPOSED OPERATING PARAMETERS

PROPOSED MODIFIED STA FACILITY
KSWT-DT
CHANNEL 16 - YUMA, ARIZONA

ERP	50.9 kw
Site Elevation AMSL	647.7 M
Overall Structure Height AGL	122.8 M
Radiation Center Height AGL	35 M
Radiation Center Height AMSL	682.7 M
Radiation Center Height AAT	399 M
Antenna Structure Registration Number	1002752
Antenna Type	DA
Geographic Coordinates	33-03-18 N 114-49-34 W

PROPOSED OPERATING PARAMETERS

PROPOSED MODIFIED STA FACILITY
KSWT-DT
CHANNEL 16 - YUMA, ARIZONA

Transmitter power output	1.00 kw
Transmission line loss	0.185 kw
Input to antenna	0.815 kw
Antenna gain (maximum)	62.5
Effective radiated power (maximum)	50.9 kw

Transmitter make and model: Type-accepted

Transmission line

Make and model: Andrew HJ8-50B
Size: 3"
Type: Air Helix
Length: 150 feet
Efficiency: 81.5%

Antenna

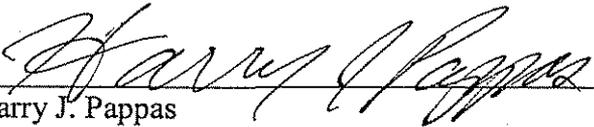
Make and model: Andrew ALP16L2-HSN-16
Type: Directional
Electrical Beam Tilt: 0.5°

ANTI-DRUG ABUSE ACT CERTIFICATION

The undersigned, being a Member of Pappas Telecasting of Arizona, LLC, the sole equity holder of Pappas Arizona License, LLC ("Pappas Arizona"), the permittee of digital commercial television broadcasting station KSWT-DT, Channel 16 in Yuma, Arizona, hereby certifies to the Federal Communications Commission (the "Commission") that neither Pappas Arizona, nor any party to this request, is subject to the denial of federal benefits, including federal benefits consisting of licenses, permits, and other authorizations issued by the Commission, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.

PAPPAS ARIZONA LICENSE, LLC

By:



Harry J. Pappas
Member of Pappas Telecasting of Arizona, LLC,
the sole equity holder of Pappas Arizona License,
LLC

Date:

September 3, 2002

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDING

FEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE

Approved by OMB
3060-0589
Page No 1 of 1

(1) LOCKBOX #
358165

SPECIAL USE

FCC USE ONLY

SECTION A - PAYER INFORMATION

(2) PAYER NAME (if paying by credit card, enter name exactly as it appears on your card)
Paul, Hastings, Janofsky & Walker LLP

(3) TOTAL AMOUNT PAID (U.S. Dollars and
135.00

(4) STREET ADDRESS LINE NO. 1
1299 Pennsylvania Avenue, N.W.

(5) STREET ADDRESS LINE NO. 2
Tenth Floor

(6) CITY
Washington

(7) STATE
DC

(8) ZIP CODE
20004

- 2400

(9) DAYTIME TELEPHONE NUMBER (include area code)
(202) 508-9520

(10) COUNTRY CODE (if not in U.S.A.)

FCC REGISTRATION NUMBER (FRN) AND TAX IDENTIFICATION NUMBER (TIN) REQUIRED

(11) PAYER (FRN)
0003-7795-01

(12) PAYER (TIN)
95-2209675

IF PAYER NAME AND THE APPLICANT NAME ARE DIFFERENT, COMPLETE SECTION B
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C)

(13) APPLICANT NAME
Pappas Arizona License, LLC

(14) STREET ADDRESS LINE NO. 1
500 South Chinowth Road

(15) STREET ADDRESS LINE NO. 2

(16) CITY
Visalia

(17) STATE
CA

(18) ZIP CODE
93277

(19) DAYTIME TELEPHONE NUMBER (include area code)
(559) 733-7800

(20) COUNTRY CODE (if not in U.S.A.)

FCC REGISTRATION NUMBER (FRN) AND TAX IDENTIFICATION NUMBER (TIN) REQUIRED

(21) APPLICANT (FRN)
0004-9346-83

(22) APPLICANT (TIN)
86-0986076

COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET

(23A) CALL SIGN/OTHER ID
KSWT-DT

(24A) PAYMENT TYPE CODE
MGT

(25A) QUANTITY
1

(26A) FEE DUE FOR (PTC)
135.00

(27A) TOTAL FEE
135.00

FCC USE ONLY

(28A) FCC CODE 1

(29A) FCC CODE 2

(23B) CALL SIGN/OTHER ID

(24B) PAYMENT TYPE CODE

(25B) QUANTITY

(26B) FEE DUE FOR (PTC)

(27B) TOTAL FEE

FCC USE ONLY

(28B) FCC CODE 1

(29B) FCC CODE 2

SECTION D - CERTIFICATION

(30) CERTIFICATION STATEMENT

I, Kathrine L. Calderazzi, certify under penalty of perjury that the foregoing and supporting information is true and correct to the best of my knowledge, information and belief. SIGNATURE Kathrine L. Calderazzi DATE 9/5/02

SECTION E - CREDIT CARD PAYMENT INFORMATION

(31) MASTERCARD

MASTERCARD/VISA ACCOUNT NUMBER:

EXPIRATION

VISA

I hereby authorize the FCC to charge my VISA or MASTERCARD for the service(s)/authorization herein described.

SIGNATURE _____

DATE _____

PAUL, HASTINGS,

3329

JANOFSKY & WALKER LLP

CHEVY CHASE BANK, FSB
CHEVY CHASE, MARYLAND 20815
65-7198-2550

1299 Pennsylvania Avenue, N.W. • Washington, DC 20004 • 202-508-9500

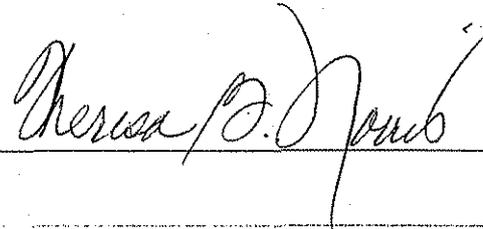
08/16/2002

PAY TO THE ORDER OF Federal Communications Commission

\$ **135.00

One Hundred Thirty-Five and 00/100*****

DOLLARS



MEMO

⑈003329⑈ ⑆25507198⑆ 1814301020⑈

Security features included. Details on back.