

10. Antenna:

(a) Manufacturer Bogner

(b) Model No. BUI28, Pattern E

(c) Is a directional antenna proposed?

Yes No
Exhibit No.

If Yes, specify major lobe azimuth(s) 105, 195 degrees True and attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

E

(d) Is electrical beam tilt proposed?

Yes No
Exhibit No.

If Yes, specify 0.5 degrees electrical beam tilt and attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

E

(e) Is mechanical beam tilt proposed?

Yes No
Exhibit No.

If Yes, specify -- degrees mechanical beam tilt toward azimuth -- degrees True and attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

--

(f) The proposed antenna is (check only one box)

horizontally polarized circularly polarized elliptically polarized

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Section 73.685(a) and (b)?

Yes No
Exhibit No.

If No, attach as an Exhibit justification therefor, including amounts and percentages of population and area that will not receive City Grade service.

--

Will the main studio be within the boundaries of the principal community to be served?

Yes No
Exhibit No.

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

--

13. Does the proposed facility satisfy the requirement of 47 C.F.R. Section 73.610?

Yes No
Exhibit No.

If No, attach as an Exhibit justification therefor, including a summary of any previously granted waiver(s).

--

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters; or (b) in the general vicinity, any nonbroadcast (except citizens band or amateur) radio stations or any established commercial or governmental receiving stations?

Yes No

If Yes, attach as an Exhibit a description of the expected, undesired effects of operations and remedial steps to be pursued, if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by intermodulation) to facilities in existence or authorized prior to grant of this application. (See 47 C.F.R. Sections 73.685 (d) and (g).)

Exhibit No.

--

15. Attach as an Exhibit a topographic map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the provisions of 47 C.F.R. Section 73.684(g). The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.

B

25494

Exhibit No.

G

16. Attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) which shows clearly, legibly and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

- (a) the proposed transmitter location, and the radials along which profile graphs have been prepared;
- (b) the City Grade, Grade A and Grade B predicted contours; and
- (c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted Grade B contour.

Area 7638 sq. km.
(2949 sq. mi.)

Population 211,217

Exhibit No.

--

18. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

- (a) the proposed auxiliary Grade B contour; and
- (b) the Grade B contour of the licensed main facility for which the applied-for facility will be the auxiliary.

(Main facility license file number _____)

19. Terrain and Coverage Data (To be calculated in accordance with 47 C.F.R. Section 73.684)

Source of terrain data: (check only one box below)

Linearly Interpolated 30-second database

7.5 minute topographic map

(Source: NGDC)

Other (briefly summarize):

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances		
		To the City Grade Contour (kilometers)	To the Grade A Contour (kilometers)	To the Grade B Contour (kilometers)
0	_____	_____	_____	_____
45	_____	_____	_____	_____
90	_____	_____	_____	_____
135	<i>See Exhibit F of Engineering Report</i>			_____
180	_____	_____	_____	_____
225	_____	_____	_____	_____
270	_____	_____	_____	_____
315	_____	_____	_____	_____

*Radial through principal community, if not one of the major radials. This radial should NOT be included in calculation of HAAT.

20. Environmental Statement (See 47 C. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

Yes No
Exhibit No.

--

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

If No, explain briefly why not.

Proposal complies with pertinent provision of §1.1305, §1.1306, and §1.1307 of FCC Rules. See also Exhibit A of Engineering Report.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and have found it to be accurate and true to the best of my knowledge and belief.

NEIL M. SMITH

Name (Typed or Printed)



Signature

December 18, 1987

ste

(202) 293-7742

Telephone No. (Include Area Code)

Broadcasting consultant

Relationship to Applicant (e.g., Consulting Engineer)

SMITH and POWSTENKO
Suite 600; 2033 M Street, N.W.
Washington, D. C. 20036

Address (Include ZIP Code)

COLBY M. MAY
JOSEPH E. DUNNE, III
ATTORNEYS-AT-LAW
1156 - 15TH ST., N.W., SUITE 515
WASHINGTON, D.C. 20005

No 1218

15-7011-12
2540

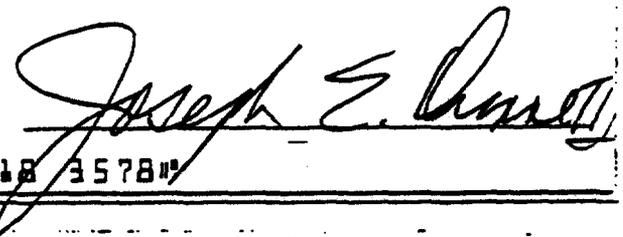
CITICORP SAVINGS
OF WASHINGTON, D.C., F.A.

January 21, 1988

PAY Five Hundred and no/100-----DOLLARS \$500.00

TO THE
ORDER OF

Federal Communications Commission



⑆00001218⑆ ⑆:254070116⑆ ⑆60183578⑆

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW. IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.
COLBY M. MAY
JOSEPH E. DUNNE, III

DATE	DESCRIPTION	AMOUNT
1/21/88	fee for KMIM Mod App.	\$500.00

COPY

JOSEPH E. DUNNE III
COLBY M. MAY

ALSO ADMITTED IN VIRGINIA

MAY & DUNNE
CHARTERED
ATTORNEYS AT LAW
1156 15TH STREET, N.W.
SUITE 515
WASHINGTON, D.C. 20005-1704
(202) 223-9013

RICHARD G. GAY
OF COUNSEL

TELECOPIER NO
(202) 223-6992

July 22, 1988

HAND DELIVER

H. Walker Feaster, III
Acting Secretary
Federal Communications Commission
Washington, D.C. 20554

RE: KTDZ-TV, Portland, Oregon, Submission of Contingent Site
Change Application to Construction Permit BPCT-840928KF
Pending Grant of Assignment Application BAPCT-871218KH

Dear Mr. Feaster:

Filed herewith, in triplicate, on behalf of National Minority TV, Inc. (NMTV), proposed assignee to acquire the unbuilt construction permit for KTDZ-TV, Portland, Oregon, is a modification application to the KTDZ-TV authorization. This contingent application requests authority to change antenna/transmitter sites so KTDZ-TV may be constructed at the KOIN-TV, Portland, Oregon tower site.

This application is submitted in advance of the grant of the referenced assignment so that its processing can run concurrently, and in order to ultimately ensure the most expeditious construction of KTDZ-TV as possible. Under no circumstances, however, is NMTV attempting to prematurely control KTDZ-TV, and the filing of this material has been approved by Greater Portland Broadcasting Corp.

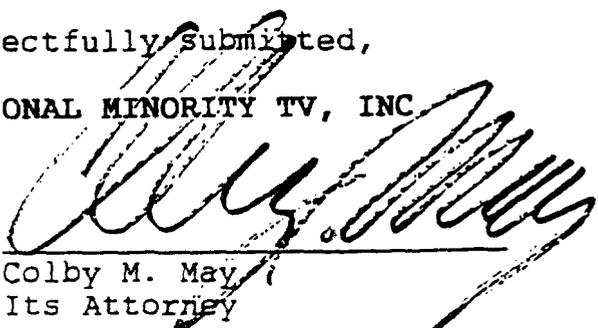
In accordance with Commission rule 1.1104 the required \$500.00 filing fee covering this minor change application is attached.

If any questions should arise concerning this matter, kindly contact the undersigned directly.

Respectfully submitted,

NATIONAL MINORITY TV, INC.

By:


Colby M. May
Its Attorney

CMM:gmcB47

xc: Jerome S. Boros, Esq. (For KTDZ-TV Public File)
Clay Pendarvis (FCC Room 700, Hand Delivered)

27

**APPLICATION FOR CONSTRUCTION PERMIT FOR
COMMERCIAL BROADCAST STATION**
(carefully read instructions before filling form)
Return only form to FCC

Commission Use Only

File No.

Section I - GENERAL INFORMATION

1. Name of Applicant

NATIONAL MINORITY TV, INC.

Street Address or P.O. Box

P. O. BOX C-119 51

City	State	ZIP Code	Telephone No. (Include Area Code)
<u>SANTA ANA</u>	<u>CA</u>	<u>92711</u>	<u>(714) 665-2113</u>

Send notices and communications to the following named person at the address below:

Name	Street Address or P.O. Box		
<u>Colby M. May, Esq.</u> <u>May & Dunne, Chartered</u>	<u>1156 15th Street, N.W., Suite 515</u>		
City	State	ZIP Code	Telephone No. (Include Area Code)
<u>Washington</u>	<u>D.C.</u>	<u>20005</u>	<u>(202) 223-9013</u>

2. This application is for:

AM FM TV

(a) Channel No. or Frequency:	(b) Principal Community:	City	State
<u>24</u>		<u>Portland</u>	<u>OR</u>

(c) Check one of the following boxes:

- Application for NEW station
- MAJOR change in licensed facilities; call sign:
- MINOR change in licensed facilities; call sign:
- MAJOR modification of construction permit; call sign:

File No. of Construction Permit: _____

MINOR modification of construction permit; call sign: KTDZ

File No. of Construction Permit: BPCT-840928KF

AMENDMENT to pending application; Application file number:

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application?

Yes No

If Yes, state:

Call letters:

Community of License:

City

State

1. Does the applicant propose to employ five or more full time employees?

N/A- On File

Yes No

If Yes, the applicant must include an EEO program called for in the separate Model EEO Program (FCC 396-A).

Section VII

CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirement of Section 73.3580 of the Commission's Rules?

Yes No
N/A

2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose?

Yes No
Exhibit No.

[Empty box for Exhibit No.]

If No, attach as an Exhibit, a full explanation.

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Mr. Schafbuch
Name of Person Contacted

(503) 243-6666
Telephone No. (include area code)

Person contacted: (check one box below)

Owner

Owner's Agent

Other (specify)

Station Manager of KOIN-TV,
Portland, Oregon

Jane Luff
Applicant's Signature

July 21, 1988
Date

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with Section 1.65 of the Commission's Rules, the APPLICANT has a continuing obligation to advise the Commission, through amendments, or any substantial and significant changes in information furnished.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT.
U.S. CODE, TITLE 18, SECTION 1001.

I certify that the statements in this application are true, complete and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this 21st day of July, 1988

National Minority TV, Inc.
Name of Applicant

James Duff
Signature

Vice-President
Title

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT
AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers, and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3)
AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

A F F I D A V I T

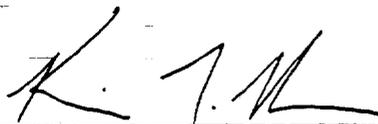
CITY OF WASHINGTON,)
DISTRICT OF COLUMBIA) SS:

Kevin T. Fisher, having been duly sworn, deposes and says that:

1. He is a broadcasting consultant practicing in the City of Washington, District of Columbia; he is an associate of the firm of Smith and Powstenko; and his qualifications are a matter of record before the Federal Communications Commission.

2. The firm of Smith and Powstenko has been retained by NATIONAL MINORITY TELEVISION, INC., permittee of Television Station KTDZ-TV, Channel 24, Portland, Oregon, to prepare the engineering portion of its Application for Modification of Construction Permit BMPCT-840928KF specifying a change in antenna location, ERP, and effective antenna height.

3. The foregoing statements and the attached Engineering Report, which was prepared by him or under his immediate supervision, are true and correct to the best of his knowledge and belief.



KEVIN T. FISHER

Subscribed and sworn to before me this 21ST day of July, 1988.



NOTARY PUBLIC, D. C.

My Commission Expires February 14, 1993

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of NATIONAL MINORITY TELEVISION, INC., permittee of Television Station KTDZ-TV, Channel 24, Portland, Oregon, in support of its Application for Modification of Construction Permit BMPCT-840928KF, specifying a new transmitter site, effective radiated power, and directional antenna.

The proposed site, shown in Exhibit B, meets the FCC's mileage separation requirements to pertinent co-channel and adjacent-channel stations, authorizations, and applications. There exists at this site a tower on which are located KOIN-TV, KYTE-FM, and KMJK(FM), KBVM(FM), and KBRF(FM). There are also other broadcast and non-broadcast facilities located on neighboring towers at this communications site. Further, the site is 0.05 miles northwest of Standard Broadcast Station KYTE (970 kHz, Portland). It is believed that the proposed addition of KTDZ-TV to the existing tower will not result in any interference to the above facilities; however, applicant will take whatever corrective steps are necessary if interference is found to exist.

Exhibit C is a sketch of the proposed KTDZ-TV directional antenna mounted on the side of the existing guyed, supporting structure. A tabulation of proposed operating parameters is provided in Exhibit D. Exhibit E describes the radiation characteristics for the proposed Andrew antenna. Elevation and contour data contained in Exhibit E were used in the preparation of Exhibit F, a map upon which the predicted service contours are

EXHIBIT A

plotted. The 1980 U. S. Census was used to determine the population residing within the calculated 64 dbu contour. The area within this contour was established by computer.

Since no change in the overall height or location of the existing supporting structure is proposed herein, the FAA has not been notified of this application.

Now that the FCC considers the purported biological effects of non-ionizing electromagnetic radiation (EMR) from broadcast sources on the surrounding environment in its environmental determinations, this subject has been studied with respect to the instant proposal. Assuming an effective radiated power of 1355 kw (average visual ERP plus aural ERP), an effective antenna height of 231 meters AGL, and an antenna relative field value of 10 percent at 90° from antenna horizontal (from *OST Bulletin No. 65*), the maximum calculated power density at the base of the structure is 0.0085 mw/cm². According to this bulletin, the maximum allowable power density for a facility operating on Channel 24 (530-536 MHz) is 1.77 mw/cm². A grant of this proposal would not appear to constitute a major environmental action with respect to non-ionizing EMR, since under the stated conditions the proposed operation would contribute less than one percent to the total allowable radiation environment at the base of the tower.

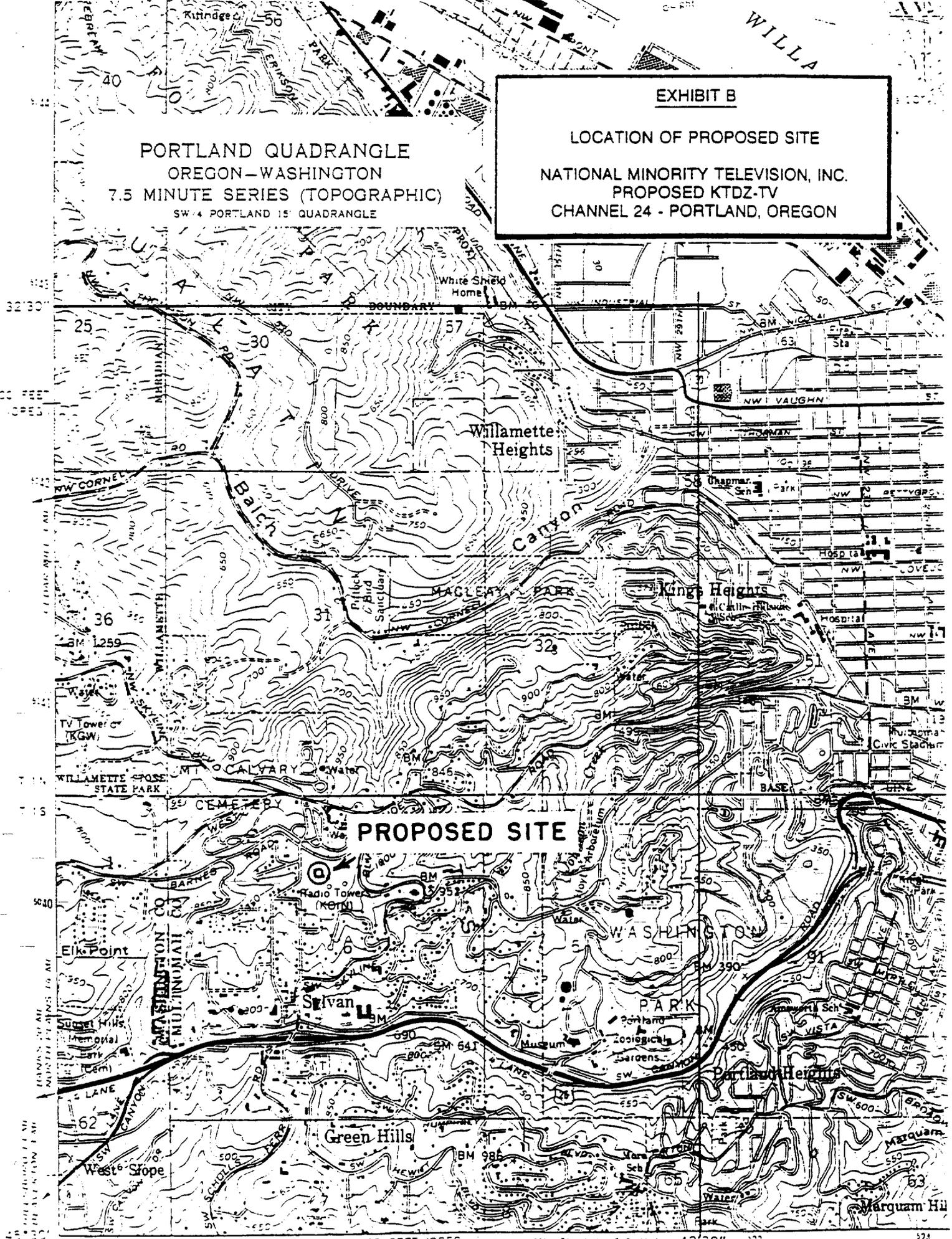
However, since the proposed facility is located within a multi-user communications site, the total power density in the vicinity represents a combination of RF levels from a number of sources. Therefore, applicant will cooperate in an updated study of RF levels in the area to

EXHIBIT A

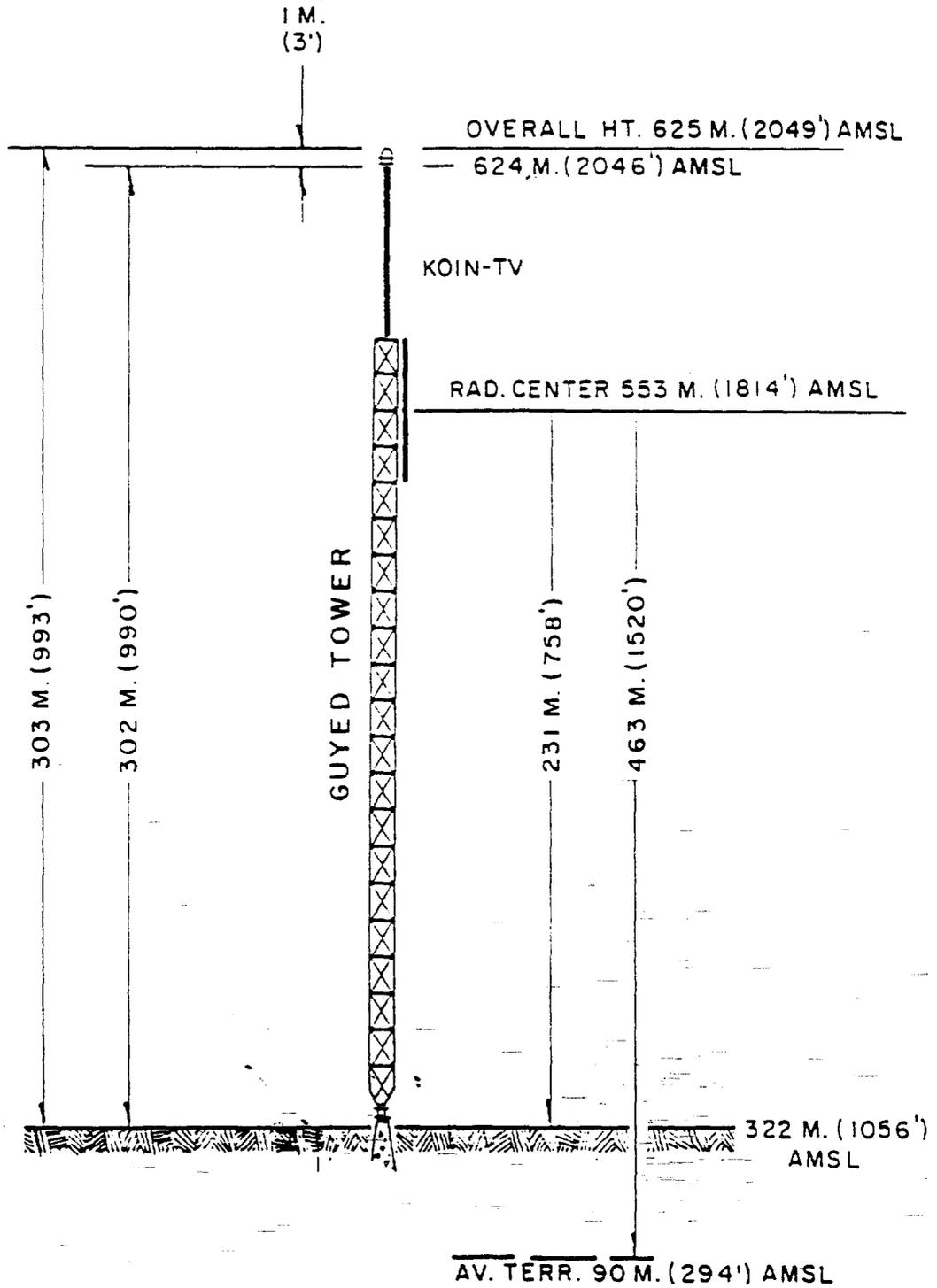
assure that operation of the proposed facility will be in compliance with the FCC's non-ionizing EMR guidelines.

PORTLAND QUADRANGLE
OREGON-WASHINGTON
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW 4 PORTLAND 15 QUADRANGLE

EXHIBIT B
LOCATION OF PROPOSED SITE
NATIONAL MINORITY TELEVISION, INC.
PROPOSED KTDZ-TV
CHANNEL 24 - PORTLAND, OREGON



PROPOSED SITE



SITE COORDINATES

45° 30' 58"
122° 43' 59"

NOT TO SCALE

EXHIBIT C

ELEVATION OF ANTENNA STRUCTURE
NATIONAL MINORITY TELEVISION, INC.
PROPOSED KTDZ-TV
CHANNEL 24 - PORTLAND, OREGON

EXHIBIT D

PROPOSED OPERATING PARAMETERS
 NATIONAL MINORITY TELEVISION, INC.
 PROPOSED KTDZ-TV
 CHANNEL 24 - PORTLAND, OREGON
 [MODIFICATION OF BMPCT-840928KF]

	<u>Visual</u>	<u>Aural</u>
Transmitter power output	17.78 dbk (60 kw)	7.78 dbk (6 kw)
Multiplexer loss	-- db	-- db
Input to transmission line	17.78 dbk	7.78 dbk
Transmission line loss	0.96 db	0.96 db
Antenna input power	16.82 dbk	6.82 dbk
Antenna gain, horizontal RMS	12.16 db	12.16 db
ERP, horizontal RMS	28.98 dbk (791 kw)	18.98 dbk (79 kw)
Antenna gain, horizontal max.	14.90 db	14.90 db
ERP, horizontal max.	31.72 dbk (1486 kw)	21.72 dbk (149 kw)
Antenna gain, main lobe RMS	14.77 db	14.77 db
ERP, main lobe RMS	31.59 dbk (1442 kw)	21.59 dbk (144 kw)
Antenna gain, main lobe max.	17.51 db	17.51 db
ERP, main lobe max.	34.33 dbk (2710 kw)	24.33 dbk (271 kw)

Transmitter: Type-accepted, 60 kw TPO

Transmission line: 100 feet of WR-1800 rectangular waveguide (0.052 db loss per 100') plus 750 feet of ACX675 6-1/8" coaxial, rigid line (0.1216 db loss per 100')

Antenna: Andrew ATW30H3-HSC-24 oriented at 120° T



ANDREW

UHF-TV
TRAVELING WAVE ANTENNA
ELEVATION PATTERN
TYPE 33H175

ELEVATION DIRECTIVITY	30	x	14.77	db
BEAM TILT	0.75	°	0.0	°
	ELECTRICAL		MECHANICAL	
CHANNEL	24	DATE	12/87	
CUSTOMER	TOWNSEND BCST SYSTEMS			
LOCATION	PORTLAND, OR			
REQ	U874910			

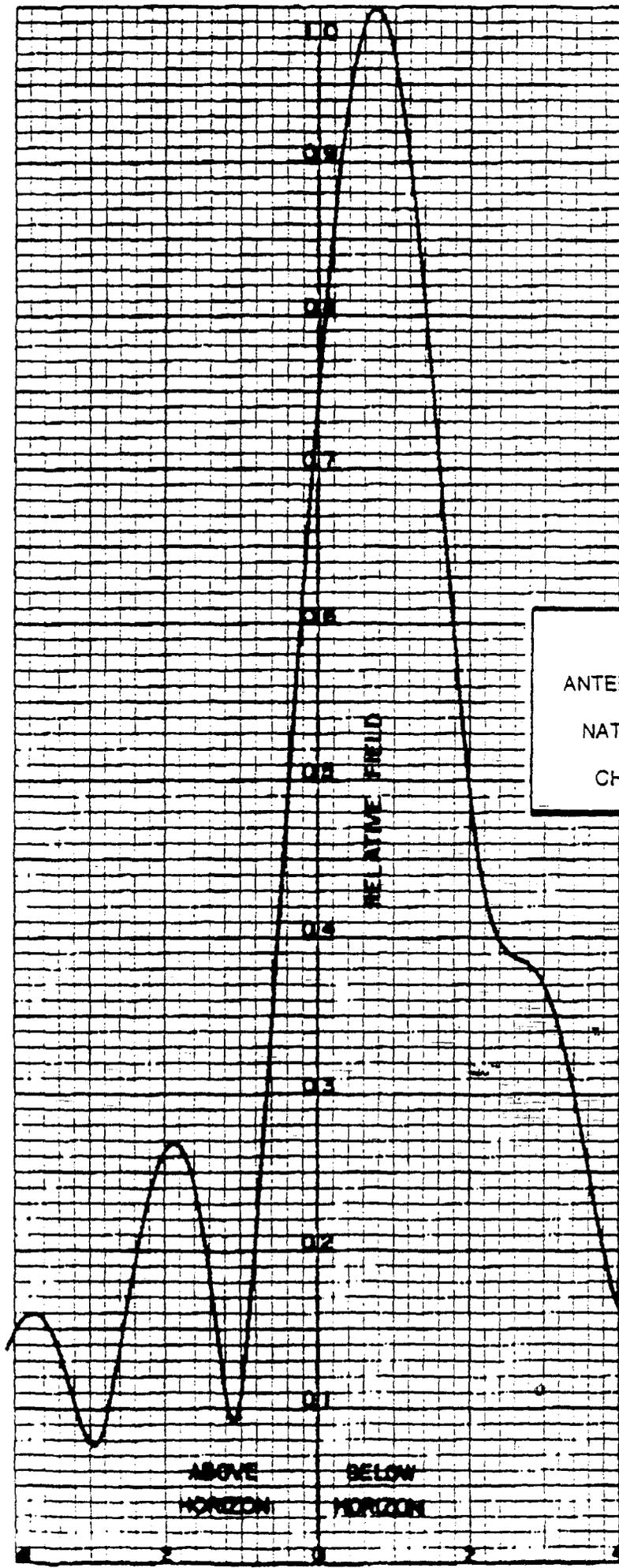


EXHIBIT E-1
 ANTENNA VERTICAL RADIATION PATTERN
 NATIONAL MINORITY TELEVISION, INC.
 PROPOSED KTDZ-TV
 CHANNEL 24 - PORTLAND, OREGON



ANDREW

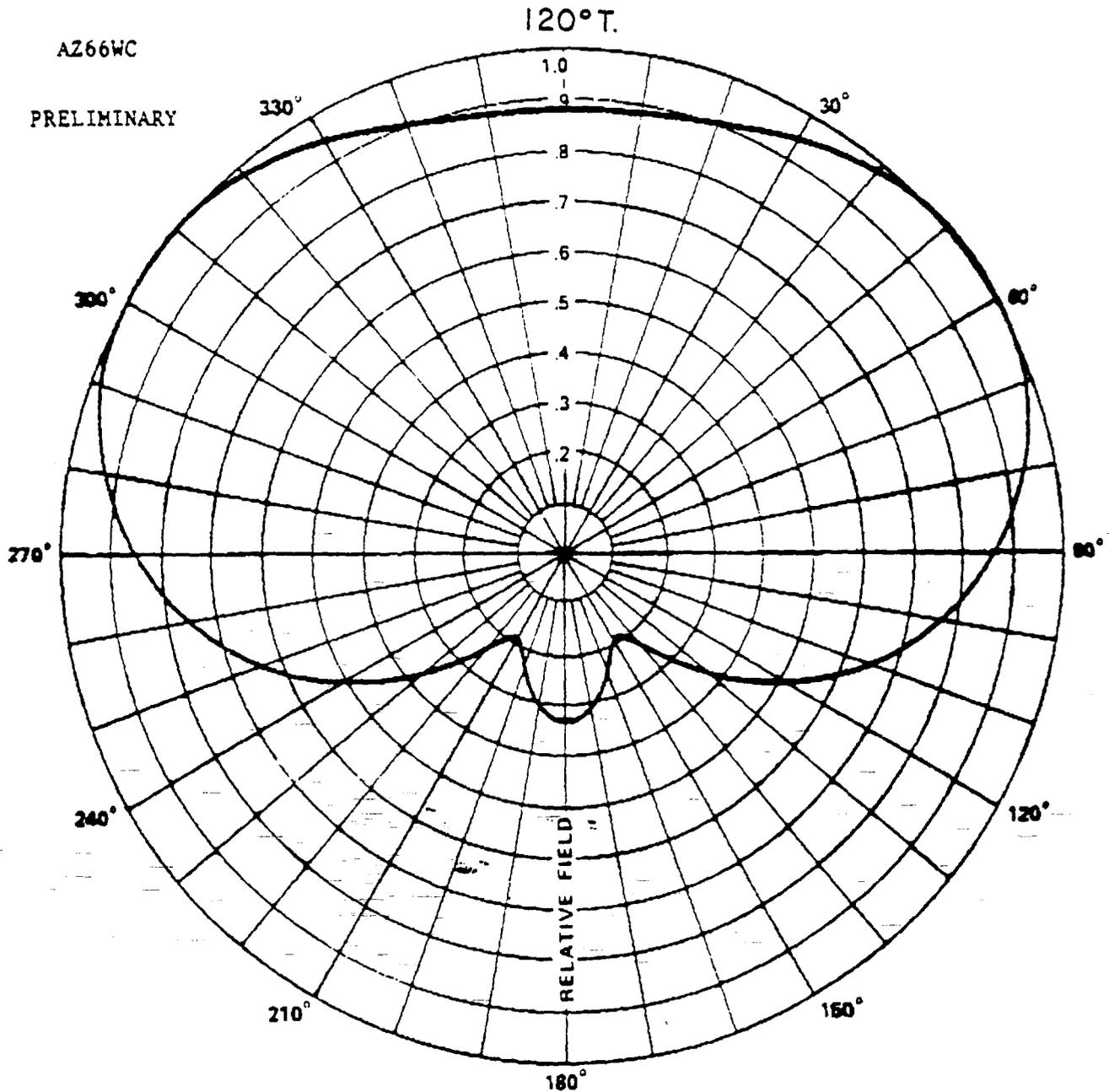
UHF TV SLOT ARRAY AZIMUTH PATTERN

H SERIES SIDE MOUNT CARBIOID

EXHIBIT E-2

ANTENNA HORIZONTAL RADIATION PATTERN

NATIONAL MINORITY TELEVISION, INC.
PROPOSED KTDZ-TV
CHANNEL 24 - PORTLAND, OREGON



CUSTOMER	TOWNSEND BROADCAST SYSTEMS	
CHANNEL	24 PORTLAND, OR	
HORIZONTAL DIRECTIVITY	1.88	2.74 dB
DIRECTION OF PEAK	AS REQUIRED	

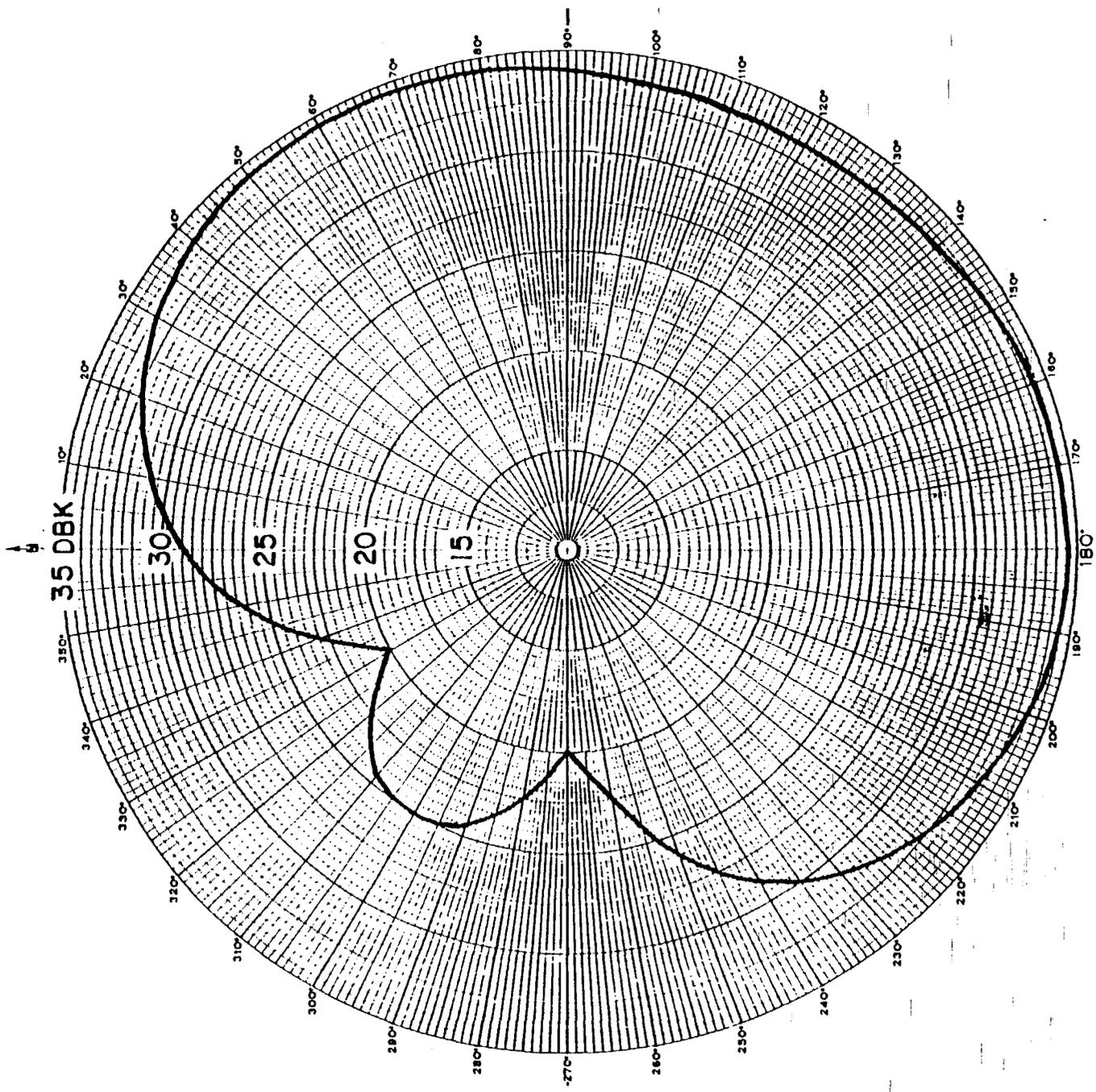


EXHIBIT E-3
ANTENNA HORIZONTAL POWER PATTERN
NATIONAL MINORITY TELEVISION, INC.
PROPOSED KTDZ-TV
CHANNEL 24 - PORTLAND, OREGON

EXHIBIT E-4

DIRECTIONAL ANTENNA PATTERN DATA
 NATIONAL MINORITY TELEVISION, INC.
 PROPOSED KTDZ-TV
 CHANNEL 24 - PORTLAND, OREGON
 [MODIFICATION OF SMPCT-840928KF]

<u>Azimuth</u> (° T)	<u>Relative</u> <u>Field</u>	<u>ERP</u> (dbk)	<u>Azimuth</u> (° T)	<u>Relative</u> <u>Field</u>	<u>ERP</u> (dbk)
0	0.52	28.6	180	1.00	34.3
10	0.65	30.6	190	0.99	34.2
20	0.78	32.1	200	0.93	33.7
30	0.87	33.1	210	0.87	33.1
40	0.93	33.7	220	0.78	32.1
45	0.97	34.0	225	0.72	31.4
50	0.99	34.2	230	0.66	30.7
60	1.00	34.3	240	0.52	28.6
70	1.00	34.3	250	0.38	25.9
80	0.98	34.1	260	0.25	22.3
90	0.94	33.8	270	0.19	19.9
100	0.90	33.4	280	0.25	22.3
110	0.88	33.2	290	0.32	24.4
120	0.88	33.2	300	0.34	24.9
130	0.89	33.3	310	0.32	24.4
135	0.89	33.3	315	0.28	23.2
140	0.90	33.4	320	0.25	22.3
150	0.94	33.8	330	0.19	19.9
160	0.98	34.1	340	0.27	22.9
170	1.00	34.3	350	0.39	26.1

EXHIBIT F

ELEVATION AND CONTOUR DATA
 NATIONAL MINORITY TELEVISION, INC.
 PROPOSED KTDZ-TV
 CHANNEL 24 - PORTLAND, OREGON
 [MODIFICATION OF BMPCT-840928KF]

Az. °	Avg. Elev. AMSL		Effective		ERP (dbk)	Distance to Predicted Contour					
	2 to 10 Miles		Ant. Ht. AAT			City Grade		Grade A		Grade B	
	meters	feet	meters	feet		(80 dbu)	(74 dbu)	(64 dbu)	km.	mi.	km.
0	69	226	484	1588	28.6	50.5	31.5	60.5	37.5	79.5	49.5
45	49	160	504	1654	34.0	60	37.5	70.5	44	93	58
90	78	256	475	1558	33.8	58.5	36.5	69	43	90.5	56.5
135	88	288	465	1526	33.3	57	35.5	67.5	42	89	55
180	96	315	457	1499	34.3	58.5	36.5	69	43	90.5	56
225	88	289	465	1525	31.5	54	33.5	65	40.5	84.5	52.5
270	67	219	486	1595	19.9	37	23	46.5	29	63	39
315	184	603	369	1211	23.2	38	23.5	47	29	62.5	39

Height of radiation center above mean sea level 553 meters, 1814 feet
 Height of average terrain above mean sea level 90 meters, 294 feet
 Height of radiation center above average terrain 463 meters, 1520 feet
 Effective radiated power (main lobe, maximum) 34.3 dbk, 2710 kw

Geographic Coordinates

North latitude: 45° 30' 58"
 West longitude: 122° 43' 59"

CF-16

WORLD AERONAUTICAL CHART
SCALE 1:1,000,000

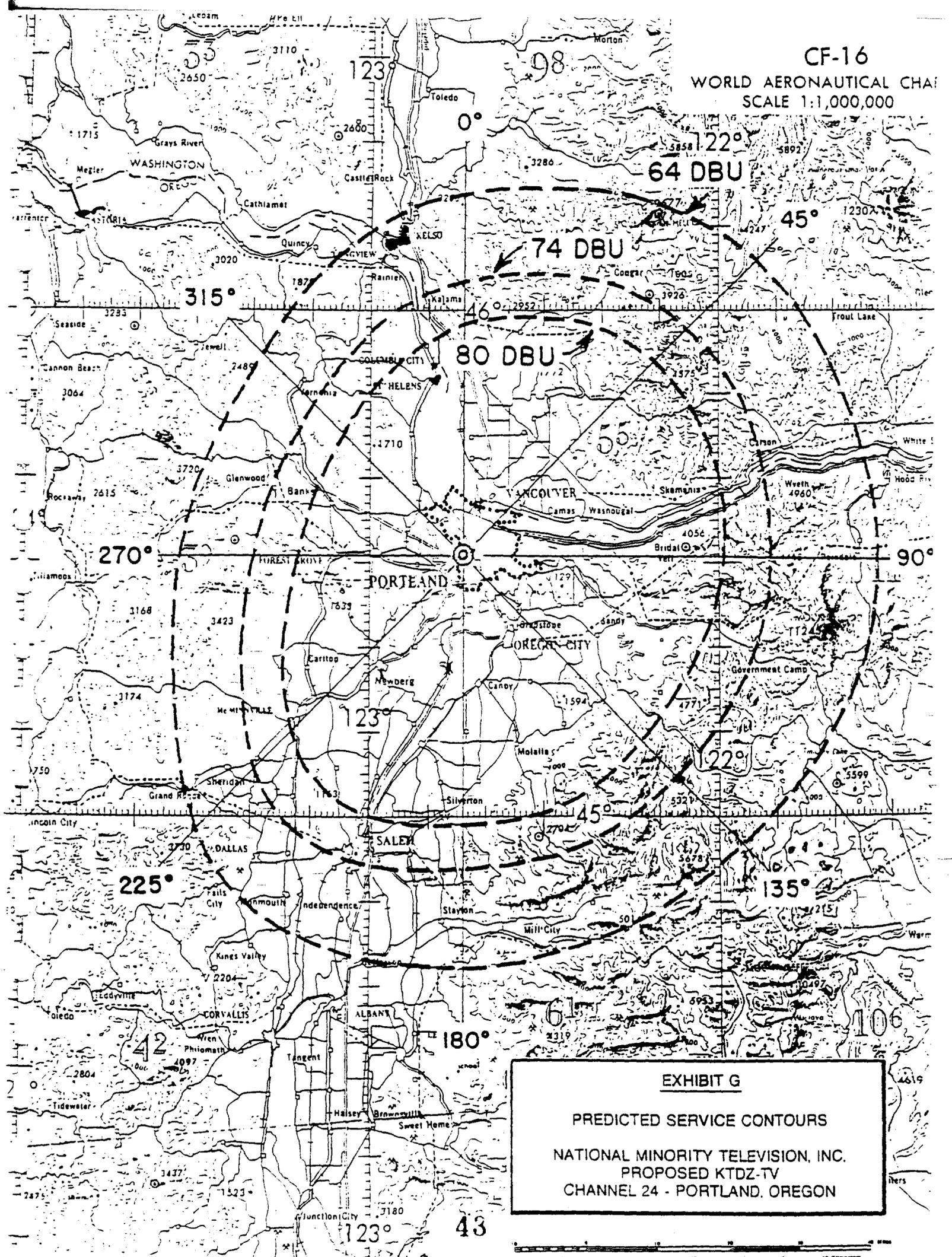


EXHIBIT G
PREDICTED SERVICE CONTOURS
NATIONAL MINORITY TELEVISION, INC.
PROPOSED KTDZ-TV
CHANNEL 24 - PORTLAND, OREGON

Section V-C

TV BROADCAST ENGINEERING DATA

For Commission Use Only

File No. _____

ASB Referral Date _____

Referred by _____

Name of Applicant

National Minority Television, Inc.

Call letters (if issued)

KTDZ-TV

Purpose of Application (check appropriate box(es))

Construct a new (main) facility

Construct a new auxiliary facility

Modify existing construction permit for main facility

Modify existing construction permit for auxiliary facility

Modify licensed main facility

Modify licensed auxiliary facility

If purpose is to modify, indicate nature of change(s) and specify the file number(s) of the authorization(s) affected.

Antenna supporting-structure height

Effective radiated power

Antenna height above average terrain

Frequency

Antenna location

Antenna system

Main studio location

Other (summarize briefly)

File Number(s) BMPCT-840928KF

1. Allocation:

Channel No.	Offset (check one)		Principal Community to be served:			Zone (check one)
	Plus	Minus	City	County	State	
<u>24</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Portland</u>	<u>Multnomah</u>	<u>OR</u>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>

2. Exact location of antenna.

(a) Specify address, town or city, county and state. If no address, specify distance and bearing relative to the nearest landmark.

On existing KOIN-TV tower, Portland, Oregon (Multnomah County)

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude 45 . 30 . 58 Longitude 122 . 43 . 59

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? Yes No

If Yes, give call letter(s) or file number(s) or both. KMHD(FM), KBVM(FM), KBPS-FM, KYTE-FM, KOIN-TV

If proposal involves a change in height of an existing structure, specify existing height above ground level, including antenna, all other appurtenances, and lighting, if any.

Does not apply

4. Does the application propose to correct previous site coordinates?

Yes No

If Yes, list old coordinates.

Does not apply

Latitude _____

Longitude _____

5. Has the FAA been notified of the proposed construction?

Yes No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.

Date -- Office where filed --

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to the nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) _____	There are none known	_____
(b) _____	_____	_____

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level: 322 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 303 meters

(3) of top of supporting structure above mean sea level [(a)(1) + (a)(2)]. 625 meters

(b) Height of antenna radiation center: (to the nearest meter)

(1) above ground: 231 meters

(2) above mean sea level [(a)(1) + (b)(1)]; and 553 meters

(3) above average terrain. 463 meters

8. Attach as an Exhibit sketch(es) of the supporting structure, labeling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of TV radiator.

Exhibit No.

C

9. Maximum visual effective radiated power

2710 kW

10. Antenna:

(a) Manufacturer Andrew

(b) Model No. ATW30H3-HSC-24

(c) Is a directional antenna proposed?

Yes No
Exhibit No.

If Yes, specify major lobe azimuth(s) 120°T degrees True and attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

E

(d) Is electrical beam tilt proposed?

Yes No
Exhibit No.

If Yes, specify 0.75 degrees electrical beam tilt and attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

E

(e) Is mechanical beam tilt proposed?

Yes No
Exhibit No.

If Yes, specify -- degrees mechanical beam tilt toward azimuth -- degrees True and attach as an Exhibit all data specified in 47 C.F.R. Section 73.685.

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(f) The proposed antenna is (check only one box)

horizontally polarized circularly polarized elliptically polarized

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Section 73.685(a) and (b)?

Yes No
Exhibit No.

If No, attach as an Exhibit justification therefor, including amounts and percentages of population and area that will not receive City Grade service.

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12. Will the main studio be within the boundaries of the principal community to be served?

Yes No
Exhibit No.

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

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13. Does the proposed facility satisfy the requirement of 47 C.F.R. Section 73.610?

Yes No
Exhibit No.

If No, attach as an Exhibit justification therefor, including a summary of any previously granted waiver(s).

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14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters; or (b) in the general vicinity, any nonbroadcast (except citizens band or amateur) radio stations or any established commercial or governmental receiving stations?

Yes No

If Yes, attach as an Exhibit a description of the expected, undesired effects of operations and remedial steps to be pursued, if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by intermodulation) to facilities in existence or authorized prior to grant of this application. (See 47 C.F.R. Sections 73.685 (d) and (g).)

Exhibit No.

A

15. Attach as an Exhibit a topographic map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the provisions of 47 C.F.R. Section 73.684(g). The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.

B

Exhibit No.

G

16. Attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) which shows clearly, legibly and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

- (a) the proposed transmitter location, and the radials along which profile graphs have been prepared;
- (b) the City Grade, Grade A and Grade B predicted contours; and
- (c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted Grade B contour.

Area 21,314 sq. km.

Population 1,647,028

Exhibit No.

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18. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

- (a) the proposed auxiliary Grade B contour; and
- (b) the Grade B contour of the licensed main facility for which the applied-for facility will be the auxiliary.

(Main facility license file number --)

19. Terrain and Coverage Data (To be calculated in accordance with 47 C.F.R. Section 73.684)

Source of terrain data: (check only one box below)

Linearly interpolated 30-second database

7.5 minute topographic map

(Source: NOAA)

Other (briefly summarize):

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances		
		To the City Grade Contour (kilometers)	To the Grade A Contour (kilometers)	To the Grade B Contour (kilometers)
0				
45				
90				
135		See Exhibit F of Engineering Report		
180				
225				
270				
315				

*Radial through principal community, if not one of the major radials. This radial should NOT be included in calculation of HAAT.