EXHIBIT E

ENGINEERING STATEMENT
AMENDMENT OF
DTV BROADCAST ENGINEERING DATA
ON BEHALF OF
KTRV-DT, NAMPA, IDAHO
CHANNEL 13c 17 KW ERP 829 METERS

JUNE 2004

COHEN, DIPPELL AND EVERIST, P.C.
CONSULTING ENGINEERS
RADIO AND TELEVISION
WASHINGTON, D.C.

COHEN, DIPPELL AND EVERIST, P. C.

City of Washington District of Columbia))ss)
Donald G. Everist, b	eing duly sworn upon his oath, deposes and states that:
District of Columbia, and is	ectrical engineer, a Registered Professional Engineer in the s President, Secretary and Treasurer of Cohen, Dippell and agineers, Radio - Television, with offices at 1300 L Street, N.W., o.C. 20005;
That his qualification Commission;	ons are a matter of record in the Federal Communications
That the attached er and direction and	ngineering report was prepared by him or under his supervision
	herein are true of his own knowledge, except such facts as are and belief, and as to such facts he believes them to be integrated and belief, and as to such facts he believes them to be integrated. Donald G. Everief District of Columbia Professional Engineer Registration No. 5714
Subscribed and sworn to b	day of

This engineering statement has been prepared on behalf of Idaho Independent Television, Inc.

The purpose of this engineering statement is to accompany its request to amend its pending application for digital television ("DTV"), specifically that data required in FCC Form 301, Section III-D.

Idaho Independent Television, Inc. operates Television Station KTRV(TV) on Television Channel 12 with a maximum visual effective radiated power (ERP) of 178 kW and an antenna height above average terrain (HAAT) of 829 meters. Television Station KTRV(TV) has been allocated DTV Channel 44 with facilities of 525.4 kW and HAAT of 829 meters in the revised DTV Table of Allotments. KTRV(TV) has been authorized to change its DTV allotment to from Channel 44 to Channel 13. KTRV(TV) proposes to construct on Channel 13 DTV facilities of 17 kW non-directional (horizontal polarization) and at a height above average terrain of 829 meters and is identical to the technical parameters authorized in MM Docket No. 01-54 to "maximize" the KTRV-DT facilities in accordance with the Community Broadcasters Protection Act.

Interference studies are not performed for the proposed facilities since the facilities herein requested are identical to that authorized by the *Report and Order*.

Existing KTRV(TV) Tower

The KTRV-DT facilities will be diplexed, by replacing the existing KTRV(TV) antenna with an antenna of the same height. Overall, the structure height will remain unchanged. The transmitter site is located at the Deer Point Communications site. The tower registration is 1053967.

¹"In the Matter of Advanced Television Systems and Their Impact Upon the Existing Television Broadcast Service", MM DocketNo.87-286, Memorandum Opinion and Order on Reconsideration of the Sixth Report and Order (FCC 98-24), 2/12/98, DTV Table of Allotments, p. B-19.

The geographic coordinates of this tower are:

North Latitude: 43° 45′ 18″

West Longitude:116° 05' 52"

NAD-27

Non-Directional Antenna Data

The proposed antenna, Type ABW6V4-HTO-12/13 with one degree electrical beam tilt will be diplexed to emit the NTSC and DTV signals. The vertical plane pattern and other exhibits required by Section 73.625(c) are attached in Exhibit E-2.

Power Data

Transmitter output (includes combiner)	3.10 kW	4.92 dBk
Transmission line loss (3-1/8 inch 50 ohm)	0.27 kW	0.395 dB
Input power to the antenna	2.833 kW	4.523 dBk
Antenna power gain, Main Lobe	6.0	7.78 dB
Effective Radiated Power, Maximum	17 kW	12.3 dBk

Elevation Data

Elevation of site above mean sea level	2145.8 meters
	(7040 C)

(7040 feet)

Overall height above ground of the 79.2 meters

existing antenna structure (including beacon) (260 feet)

Overall height above mean sea level	2225.0 meters
of existing tower (including beacon)	(7300 feet)

Center of radiation of Channel 13	74.0 meters
antenna above ground	(243 feet)

Center of radiation of Channel 13	2219.8 meters
antenna above mean sea level	(7283 feet)

Antenna height above average terrain 829 meters

NOTE: Slight height differences result due to conversion to metric.

Allocation

An allocation study from the proposed site is unchanged from that authorized in MM Docket No. 01-54.

Principal Community Coverage

In MM Docket No. 00-39, the Commission adopted rules to require DTV stations to place a stronger TV signal over the principal community.

The DTV operation proposed by Station KTRV-DT places a predicted 43 dBu contour over Nampa.

Topographic Data

The average elevation data each radial separated every 45 degrees in azimuth from 3.2 to 16.1 kilometers, are based on the NGDC 3-second computerized terrain database.

Contour Data

Utilizing the formula in Section 73.625(b)(2) for the effective heights shown on the attached tabulation, the depression angle A_h , for each azimuth has been calculated. The maximum radiation value has been used to calculate ERP where the vertical radiation pattern at these angles is greater than 90% of the maximum.

Table I provides the distances along each of the radials every 45 degrees in azimuth angle for the predicted F(50,90) 43 and 36 dBu contours, the average elevations, and the effective antenna heights. There is a slight variance with the elevation data that established the NTSC facility and since it is proposed to use a common antenna, the NTSC HAAT value of 829 meters is specified.

The distances along each radial to the limits of F(50,90) 43 dBu and 36 dBu contours were determined as specified in Section 73.625(b) by reference to the propagation data for Channels 7-13, as published by the Commission in Figures 10 and 10a, Section 73.699 of its rules.

Other Licensed and Broadcast Facilities

There are no AM stations within 3.2 km of the proposed KTRV(TV) tower site. There are numerous FM and TV broadcast stations operating within 100 meters of the proposed site.

No adverse technical effect is anticipated by the proposed DTV operation to any other FCC licensed facility. If required, the licensee of KTRV-DT will install filters or take other measures as necessary to resolve the problem.

Radio Frequency Field Level

The licensee proposes to diplex the DTV signal into new ERI/Andrew antenna, Type ABW6V4-HTO-12/13 KTRV(TV) antenna.

For the proposed DTV operation, the antenna manufacturer representative indicates that the elevation pattern for this antenna shows a maximum relative field of less than 0.2 towards the ground

in the vicinity of the tower (angles 60° to 90° below the horizontal). Using this relative field factor and the procedures prescribed in OET Bulletin No. 65 and Appendix A, the maximum RFF resulting from the present operation at two meters above the base of the tower will be approximately 4.4 μ W/cm². This is approximately 2.2% of the 200 μ W/cm² maximum uncontrolled exposure to RFF recommended by the current FCC guidelines for the general population.

The applicant proposes to operate the proposed KTRV-DT facilities at the same location as the current licensed facilities, located just north of the Deer Point mountain top antenna farm. The existing tower has allowed several of the broadcast stations to relocate their antennas to help alleviate high radio frequency field ("RFF") levels at a certain "hot" spot located at the site.

A sketch of the Deer Point antenna farm is included as Exhibit E-4. The sketch shows the location of the existing tower.

The Deer Point antenna farm is a rugged mountainous area accessible only by regular vehicle by traversing a 4 kilometer unpaved road. During colder periods, the site can only be accessed by snow mobile. Access to the site is controlled via a locked gate.

A comprehensive study of the radiofrequency field ("RFF") level at the site was performed in 1997 by Hatfield and Dawson. Hatfield and Dawson recommended fencing the perimeter of the antenna farm in order to bring the site into full compliance.

However, the terrain at the site is very rugged and the site receives high snowfalls in the winter time. Therefore, any fence constructed around the perimeter would be crushed by the snow.

Therefore, in a December 1998 memo to all the broadcasters located at the site, Dr. Robert Cleveland and Jerry Ulcek, of the Commission's Office of Engineering and Technology, recommended that signs be placed that post the perimeter of the areas where general population/uncontrolled

guidelines are exceeded. In addition, Dr. Cleveland recommended fencing a small area around Tower labeled "C" in the diagram because the occupational RFF limit is exceeded.

The Deer Point site is currently marked every 15.2 meters (50 feet) with dual level warning signs. The dual level signs permit the warnings to be observed in the winter as well as the summer. The orange construction fence around Tower C may no longer be necessary.

RFF Level at the Base of the Tower:

The theoretical RFF level contribution by the addition of the proposed KTRV-DT facilities is as follows:

Channel 13 Freq: 210-216 MHz Range
$$ERP = 17 \text{ kW}$$

$$Polarization = Horizontal$$

$$RCAGL - 2 \text{ meters} = 72 \text{ meters}$$

$$S = 33.4 \text{ (F}^2\text{) Tot } ERP \qquad Tot ERP = 17 \text{ kW (Horizontal Only)}$$

$$R^2 \qquad R = 72 \text{ meters}$$

$$F = 0.2 \text{ (field factor)}$$

$$S = 4.4 \text{ } \mu\text{W/cm}^2$$

Therefore, at the base of the existing tower, KTRV-DT contributes 4.4 uW/cm² at 2 meters above the ground.

The limit for an uncontrolled environment is 200 uW/cm² for a station broadcasting on VHF Channel 13.

Therefore, KTRV-DT's proposed facility will contribute less than 2.2% of the limit for an uncontrolled environment two meters above the ground at the base of the tower site.

Finally, provisions will be made to reduce power or to terminate the transmitter emissions as appropriate when it is necessary for authorized personnel to access the site. All facilities operating at the Deer Point antenna farm will coordinate to ensure that workers will not be subjected to radio frequency field levels in excess of the current FCC guidelines listed in OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A.

Environmental Assessment

An environmental assessment ("EA") is categorically excluded under Section 1.1306 of the FCC Rules and Regulations since the applicant indicates:

- (a)(1) The existing tower is not located in an officially designated wilderness area.
- (a)(2) The existing facilities on an existing communications site are not located in an officially designated wildlife preserve.
- (a)(3) The proposed facilities will not affect any listed threatened or endangered species or habitats.
- (a)(3)(ii) The proposed facilities will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.
- (a)(4) The proposed facilities will not affect any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The proposed facilities are not located near any known Indian religious sites.
- (a)(6) The proposed facilities are not located in a flood plain.
- (a)(7) The installation of the DTV facilities on the proposed self-supporting tower will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) It is not proposed to equip the tower with high intensity white lights unless required by the FAA.

(b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines in accordance with OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A.

ABOVE MEAN SEA LEVEL

ABOVE GROUND

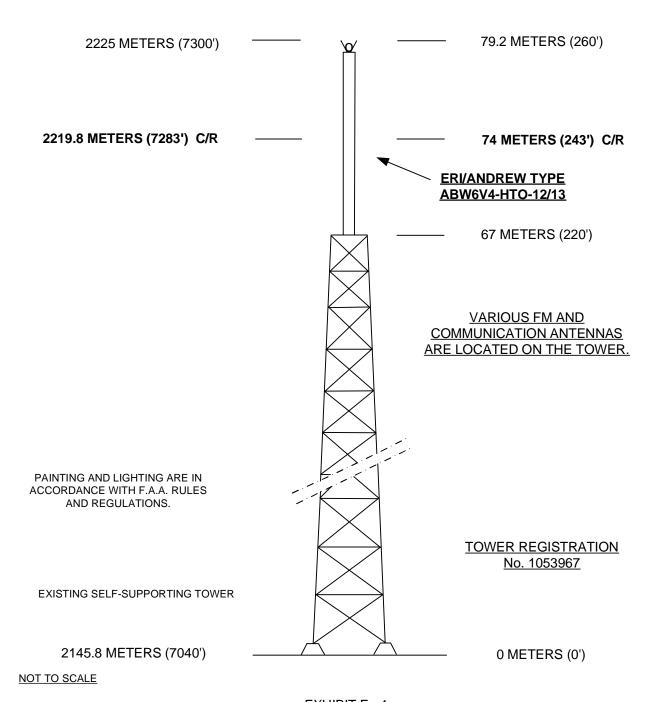


EXHIBIT E - 1
EXISTING TOWER
FOR THE PROPOSED OPERATION OF
KTRV-DT, NAMPA, IDAHO
CHANNEL 13 17 kW ERP 829 METERS HAAT
JUNE 2004

COHEN, DIPPELL and EVERIST, P.C. Consulting Engineers

EXHIBIT E-2

ANTENNA MANUFACTURER DATA

PRELIMINARY SPECIFICATION FOR ANDREW HORIZONTALLY POLARIZED VHF BATWING ANTENNA

Prepared For Station KTRV-TV & DT Channel 12 & 13 Nampa-Boise-Caldwell, ID September 20, 2001

ANTENNA TYPE: ABW6V4-HTO-12/13 SPECIFICATION NO.: AG080601-967



PRELIMINARY SPECIFICATION FOR ANDREW HORIZONTALLY POLARIZED VHF BATWING ANTENNA

ELECTRICAL CHARACTERISTICS:

CHANNEL: NTSC: 12

DTV: 13

FREQUENCY RANGE: Channel 12 204 to 210 MHz

Channel 13 210 to 216 MHz

AZIMUTH PATTERN NUMBER: Non Directional

ELEVATION PATTERN NUMBER: NTSC: ABW6V4H-12

DTV: ABW6V4H-13

AZIMUTH DIRECTIVITY: 1.00 (0.00 dB)

ELEVATION DIRECTIVITY: 6.00 (7.78 dBd)

PEAK POWER GAIN: 6.00 (7.78 dBd)

GAIN AT HORIZONTAL: 5.87 (7.69 dBd)

ELECTRICAL BEAM TILT: 1.00 Degrees

POWER HANDLING: 27.67 kW Peak Visual plus 10% aural

and 2.833 kW Average Power, 8VSB

Digital

INPUT TYPE: 3-1/8 inch EIA, 50 ohm

VSWR (MAXIMUM): NTSC: 1.05 Visual + 0.5 MHz

1.08 Chroma

1.10 Remainder of Channel

DTV: 1.10 Over 6 MHz Channel



PRELIMINARY SPECIFICATION FOR ANDREW HORIZONTALLY POLARIZED VHF BATWING ANTENNA

MECHANICAL CHARACTERISTICS:

MOUNTING CONFIGURATION: Top Mount*

*(Tower Interface supplied and

installed by others.)

HEIGHT OF ANTENNA (H1): 31.0 feet

HEIGHT OF CENTER OF 16.0 feet

RADIATION (APPROX.) (H2):

HEIGHT OF CENTER OF 15.5 feet

PRESSURE (APPROX.) (H3):

OVERALL HEIGHT (A): 34.5 feet

(Includes one 3.5 foot Lightning

Conductor)

DEICING: Radome Enclosure for Feed Elements

NUMBER OF BAYS: 6

CLIMBING DEVICE: Not Applicable

CALCULATED WEIGHTa 1,430 lbs.

ANTENNA AREA: $C_{\Delta}A_{\Delta}$: 46.0 square feet

This antenna is designed to be supported by a structure that can resist the antenna base reactions and which provides a support that is rigid in the three translational and three rotational degrees of freedom.

- 1 Calculated weight is based on the PRELIMINARY design of the antenna. The actual weight of the antenna will be within ±10% of the calculated weight. The actual weight will be given in the technical manual that accompanies the antenna. This figure is for the antenna and an allowance for mounting structure.
- 2 The aerodynamic area is in accordance with EIA/TIA-RS222-F.

NOTE: Localized conditions may require higher wind speed specifications than TIA/EIA specifications. Check with local authorities to verify wind speed requirements.



Broadcast Antenna System

Power Analysis

KTRV-TV & DT Channel 13 Nampa-Boise-Caldwell, ID Type: ABW6V4-HTO-12/13

ANTENNA PARAMETERS:

Azimuth Directivity:

Hor Pol: 1.00 (0.00 dBd)

Elevation Directivity:

Hor Pol: 6.00 (7.78 dBd)

TRANSMISSION LINE:

VERTICAL RUN:

Type: 3-1/8" 50 Ohm MACXLine®

Length: 220 ft.

Attenuation: 0.1410 dB/100 ft.

HORIZONTAL RUN:

Type: 3-1/8" 50 Ohm MACXLine®

Length: 60 ft.

Attenuation: 0.1410 dB/100 ft.

Efficiency: 91.31%

ERP:

kW: 17.00

dBk: <u>12.30</u>

POWER GAIN:

Ratio: 6.00

dBd: <u>7.78</u>

ANTENNA INPUT:

kW: <u>2.833</u>

dBk: <u>4.523</u>

LINE LOSS:

kW: <u>0.27</u>

dB: <u>0.395</u>

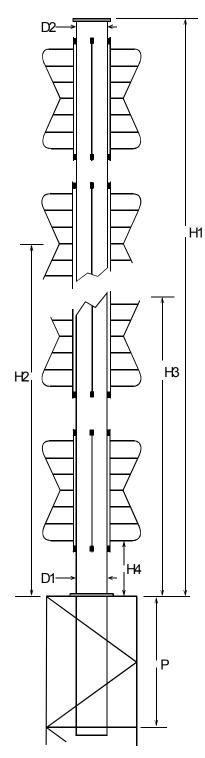
TRANSMITTER POWER:

kW: 3.10

dBk: <u>4.92</u>



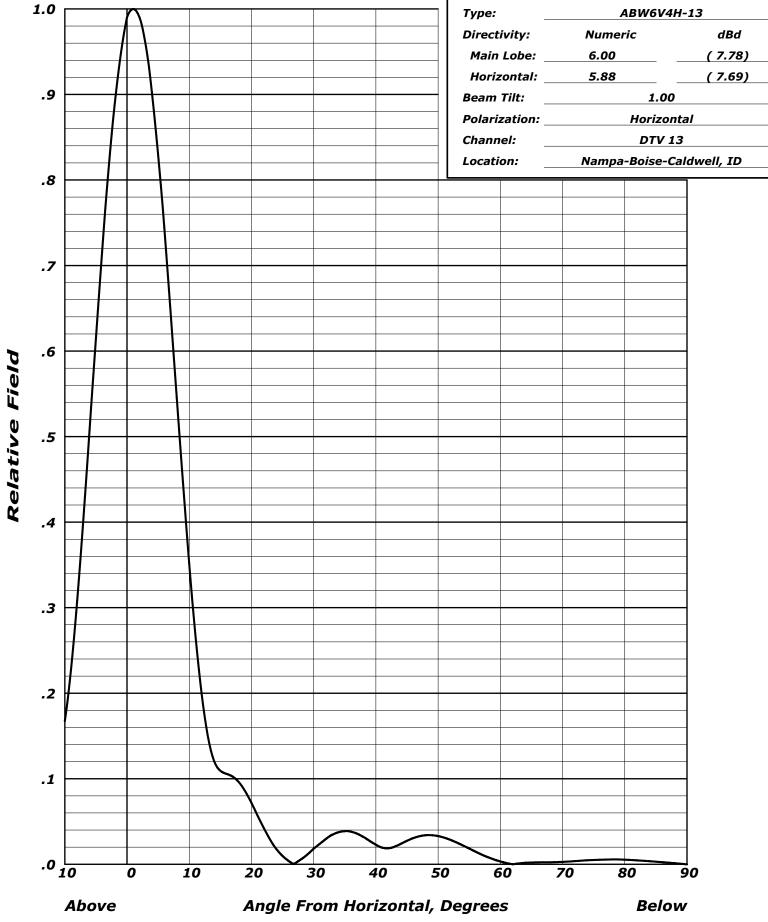
Illustration of typical antenna configuration



- *H1 Height of pole above tower top
 H2 Height of centre of radiation above tower top
 H3 Height of wind pressure center above tower top
 H4 Clearance of lowest radiator above tower top
 P Pole penetration into tower top
 D1 Diameter of largest pole section
 D2 Diameter of smallest pole section

- *Excluding lightning conductor 1.1m (3.5ft.)







TABULATED DATA FOR ELEVATION PATTERN

TYPE: ABW6V4H-13

Angle Field dB	Angle Field dB	Angle Field dB	Angle Field dB
-5 To 10	10 To 90		
In 0.25 Increments	In 0.5 Increments	25 00 0 025 00 10	60 50 0 001 60 00
-5.00 0.597 -4.48	8.75 0.444 -7.05	35.00 0.035 -29.19	62.50 0.001 -60.00
-4.75 0.624 -4.10 4.50 0.651 3.73	9.00 0.420 -7.55	35.50 0.034 -29.42 36.00 0.032 -29.84	63.00 0.001 -60.00
-4.50 0.651 -3.73 -4.25 0.677 -3.39	9.25 0.395 -8.06 9.50 0.371 -8.62	36.50 0.032 -29.84	63.50 0.001-60.00 64.00 0.001-60.00
-4.00 0.703 -3.06	9.75 0.347 -9.19	37.00 0.028 - 30.96	64.50 0.001 -58.42
-3.75 0.729 -2.74	10.00 0.324 -9.78	37.50 0.026 -31.70	65.00 0.001 -56.48
-3.50 0.755 -2.44	10.50 0.281 -11.01	38.00 0.024 -32.43	65.50 0.002-54.89
-3.25 0.778 -2.18	11.00 0.243 -12.30	38.50 0.022 -33.19	66.00 0.002 -53.56
-3.00 0.801 -1.93	11.50 0.209 -13.61	39.00 0.020 -33.89	66.50 0.003-52.04
-2.75 0.823 -1.69	12.00 0.179-14.93	39.50 0.019 -34.29	67.00 0.003-50.75
-2.50 0.844 -1.47	12.50 0.156 -16.16	40.00 0.019-34.33	67.50 0.003-49.63
-2.25 0.864 -1.27	13.00 0.138 -17.22	40.50 0.020 -34.07	68.00 0.004-48.64
-2.00 0.882 -1.09	13.50 0.126 -18.03	41.00 0.021-33.43	68.50 0.004-47.74
-1.75 0.900 -0.92	14.00 0.118 -18.55	41.50 0.023 -32.69	69.00 0.005 -46.74
-1.50 0.916 -0.76	14.50 0.115-18.82	42.00 0.025 -31.90	69.50 0.005 -45.85
-1.25 0.931 -0.62	15.00 0.113 -18.94	42.50 0.028 -31.12	70.00 0.006 -45.19
-1.00 0.945 -0.49	15.50 0.112-19.00	43.00 0.030 -30.40	70.50 0.006 -44.58
-0.75 0.958 -0.37	16.00 0.111 -19.08	43.50 0.032 - 29.79	71.00 0.006 -44.15
-0.50 0.970 -0.26	16.50 0.110 -19.21	44.00 0.035 -29.24	71.50 0.007 -43.74
-0.25 0.981 -0.17	17.00 0.107 -19.44	44.50 0.036 -28.78	72.00 0.007 -43.22
0.00 0.990 -0.09	17.50 0.103 -19.77	45.00 0.038 -28.45	72.50 0.007 -42.85
0.25 0.994 -0.05 0.50 0.998 -0.02	18.00 0.098 -20.20	45.50 0.039 -28.18 46.00 0.040 -27.98	73.00 0.007 -42.50 73.50 0.008 -42.16
0.50 0.998 -0.02 0.75 0.999 -0.01	18.50 0.092 -20.76 19.00 0.085 -21.43	46.50 0.040 -27.87	74.00 0.008 -42.05
1.00 1.000 0.00	19.50 0.083 -21.43	47.00 0.041 -27.83	74.50 0.008 -41.94
1.25 0.999 -0.01	20.00 0.069 -23.19	47.50 0.041 -27.85	75.00 0.008 -41.83
1.50 0.997 -0.03	20.50 0.061 -24.28	48.00 0.040 -27.96	75.50 0.008 -41.83
1.75 0.994 -0.06	21.00 0.053 -25.53	48.50 0.039 -28.11	76.00 0.008 -41.72
2.00 0.989 -0.10	21.50 0.045 - 26.88	49.00 0.038 -28.34	76.50 0.008 -41.72
2.25 0.983 -0.15	22.00 0.038 -28.38	49.50 0.037 -28.64	77.00 0.008 -41.72
2.50 0.975 -0.22	22.50 0.031-30.03	50.00 0.036 -28.97	77.50 0.008 -41.72
2.75 0.965 -0.31	23.00 0.025 -31.90	50.50 0.034 -29.40	78.00 0.008 -41.72
3.00 0.954 -0.41	23.50 0.020 -33.98	51.00 0.032-29.84	78.50 0.008 -41.72
3.25 0.942 -0.52	24.00 0.016 -36.08	51.50 0.030 -30.37	79.00 0.008 -42.05
3.50 0.928 -0.64	24.50 0.012-38.42	52.00 0.028 -31.00	79.50 0.008 -42.38
3.75 0.912 -0.80	25.00 0.009-41.01	52.50 0.026 -31.63	80.00 0.007 -42.73
4.00 0.895 -0.96	25.50 0.006 -44.15	53.00 0.024 -32.36	80.50 0.007 -43.10
4.25 0.877 -1.14	26.00 0.004 -48.40	53.50 0.022 -33.15	81.00 0.007 -43.48
4.50 0.858 -1.33	26.50 0.001 -57.08	54.00 0.020 -34.02	81.50 0.006 -44.01
4.75 0.838 -1.53	27.00 0.001-58.42	54.50 0.018 - 34.99	82.00 0.006 -44.44
5.00 0.818 -1.75 5.25 0.796 -1.98	27.50 0.004 -47.96	55.00 0.016 -35.97 55.50 0.014 -37.14	82.50 0.006 -45.04
5.25 0.796 -1.98 5.50 0.774 -2.22	28.00 0.007 -43.48 28.50 0.010 -40.18	56.00 0.014 - 37.14	83.00 0.005 -45.51 83.50 0.005 -46.20
5.75 0.752 -2.48	29.00 0.013 -37.65	56.50 0.012 -38.34	84.00 0.005 -46.94
6.00 0.727 -2.77	29.50 0.013 - 37.65	57.00 0.009 -41.21	84.50 0.004 -47.54
6.25 0.702 -3.07	30.00 0.020 -33.85	57.50 0.007 -42.73	85.00 0.004 -48.40
6.50 0.677 -3.39	30.50 0.023 -32.77	58.00 0.006 -44.44	85.50 0.003 -49.37
6.75 0.651 -3.73	31.00 0.026 -31.80	58.50 0.005 -46.38	86.00 0.003 -50.17
7.00 0.625 -4.08	31.50 0.028 -30.96	59.00 0.004 -48.64	86.50 0.003 -51.37
7.25 0.599 -4.45	32.00 0.031 -30.26	59.50 0.003-51.06	87.00 0.002-52.77
7.50 0.573 -4.84	32.50 0.033 -29.68	60.00 0.002-53.98	87.50 0.002-54.42
7.75 0.547 -5.25	33.00 0.034 -29.32	60.50 0.001-57.08	88.00 0.002-56.48
8.00 0.521 -5.67	33.50 0.035 - 29.14	61.00 0.001-60.00	88.50 0.001-58.42
8.25 0.495 -6.11	34.00 0.035 -29.04	61.50 0.001-60.00	89.00 0.001-60.00
8.50 0.469 -6.57	34.50 0.035 -29.07	62.00 0.001-60.00	89.50 0.001-60.00

Cohen, Dippell and Everist, P.C.

TABLE I COMPUTED COVERAGE DATA FOR THE PROPOSED DTV OPERATION OF KTRV, NAMPA, IDAHO CHANNEL 13 17 KW 829 METERS HAAT JUNE 2004

	Average*		ERP at	Distance to C	Contour F(50,90)
Radial	Elevation	Effective	Radio	43 dBu	36 dBu
Bearing	3.2 to 16.1 km	<u>Height</u>	Horizon	City Grade	Noise-Limited
N°E, T	meters	meters	kW	km	km
0	1583.8	636.1	17.0	104.4	118.7
45	1529.1	691.0	17.0	105.9	121.1
90	1303.8	916.1	17.0	110.5	125.8
135	1372.6	847.4	17.0	109.3	124.7
180	1573.3	646.7	17.0	104.7	119.2
225	1138.5	1081.9	17.0	113.6	129.3
270	1249.9	969.9	17.0	111.5	126.9
315	1294.0	925.3	17.0	110.7	126.0

^{*}Based on data from FCC 3-second data base–NOTE: This data is at slight variance with the elevation data to establish this facility. Therefore, the HAAT height of 829 meters is specified.

DTV Channel 13 (210-216 MHz)

Average Elevation 3.2 to 16.1 km 1380.6 meters AMSL

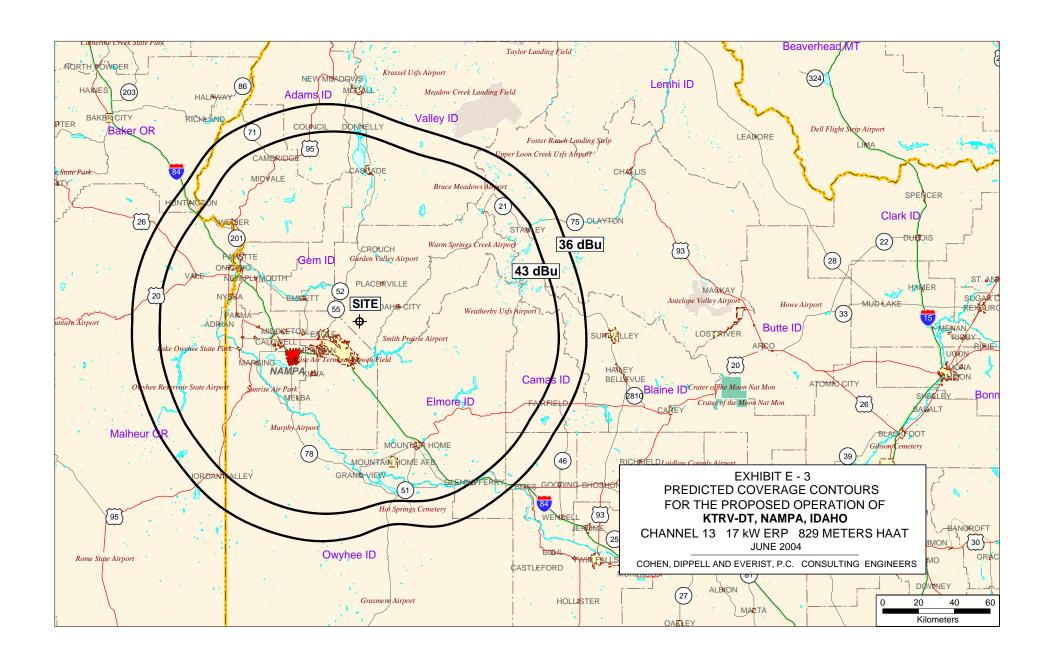
Center of Radiation 2220 meters AMSL

Antenna Height Above Average Terrain 829 meters

Max. Effective Radiated Power 17 kW (12.3 dBk) Max.

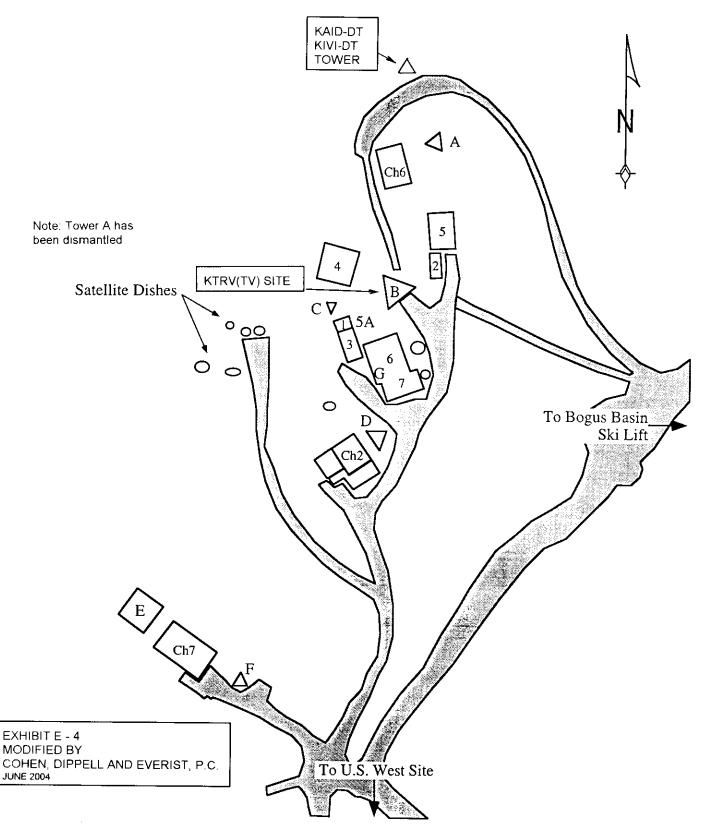
North Latitude: 43° 45' 18" West Longitude: 116° 05' 52"

(NAD-27)



Deer Point Electronics Site • Boise, Idaho

Sketch of Site Showing Tower Lettering and Building Numbering



Scale approximately 100 feet = 30.5 meters per inch



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. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive 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 request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION III PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name Donald G. Everist	Relationship to Applicant (e.g., Consulting Engineer	onsulting Engineer)
Signature Mailing Address Cohon Dippell and Everist P. C.	Date June 9, 2004	
Cohen, Dippell and Everist, P.O.	C., 1300 L Street, NW, Suite 1100	
City Washington	State or Country (if foreign address)	ZIP Code 20005
Telephone Number (include area code) (202) 898-0111	E-Mail Address (if available) cde@attglobal.net	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION III-D - DTV Engineering

Complete Questions 1-5 of the Certification Checklist and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.

Certification Checklist: A correct answer of "Yes" to all of the questions below will ensure an expeditious grant of a construction permit. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.

1.	The p	proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:		
	(a)	It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622.	Yes	No
	(b)	It will operate from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622.	Yes	No
	(c)	It will operate with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622.	Yes	No
2.	or the	proposed facility will not have a significant environmental impact, including exposure of workers a general public to levels of RF radiation exceeding the applicable health and safety guidelines, herefore will not come within 47 C.F.R. Section 1.1307.	Yes	No
	Appli	cant must submit the Exhibit called for in Item 13.		
3.		ant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will mpass the allotted principal community.	Yes	No
4.		equirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, receiving installations and FCC monitoring stations have either been satisfied or are not cable.	Yes	No
5.	requi propo regist	antenna structure to be used by this facility has been registered by the Commission and will not re reregistration to support the proposed antenna, OR the FAA has previously determined that the used structure will not adversely effect safety in air navigation and this structure qualifies for later ration under the Commission's phased registration plan, OR the proposed installation on this ture does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	Yes	No

SECTION III-D DTV Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1.	Chann	nel Number: DTV — Analog TV, if any — —			
2.	Zone:				
3.	Anten	ana Location Coordinates: (NAD 27)			
		o N S Latitude E W Longitude			
4.	Ante	enna Structure Registration Number:			
		Not applicable FAA Notification Filed with FAA			
5.	Ante	enna Location Site Elevation Above Mean Sea Level: ——— meters			
6.	Ove	rall Tower Height Above Ground Level:			
7.	Heig	ght of Radiation Center Above Ground Level:			
8.	Heig	ight of Radiation Center Above Average Terrain:			
9.	Max	imum Effective Radiated Power (average power):			
10.		enna Specifications:			
10.	Allu	enna specifications.			
	a.	Manufacturer Model			
	b.	Electrical Beam Tilt: degrees Not Applicable			
	c.	Mechanical Beam degrees toward azimuth degrees True Not Applicable			
		Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). Exhibit No.			
	d.	Polorization:			

TECH BOX

e.	Direction	al Antenna Rotat		Field Value o		ot applicab	le (Nondii	rectional)			
Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value
0		60		120		180		240		300	
10		70		130		190		250		310	
20		80		140		200		260		320	
30		90		150		210		270		330	
40		100		160		220		280		340	
50		110		170		230		290		350	
Additiona Azimuths											
If a directional antenna is proposed, the requirements of 47 C.F.R. Section 73.625(c) must be satisfied. Exhibit required.								Exhibit No.			
 Does the proposed facility satisfy the interference protection provisions of 47 C.F.R. Section 73.623(a)? (Applicable only if Certification Checklist Items 1(a), (b), or (c) are answered "No.") If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers. If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefor. (Applicable only if Certification 									Yes No Exhibit No.		
		1 3 is answe			E xhihit the	e following			Evhihi	t No	
 a. If Certification Checklist Item 2 is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site. By checking "Yes" to Certification Checklist Item 2, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines. If Certification Checklist Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R. Section 1.1311. 									Exhibi	t No.	