ENGINEERING STATEMENT
IN SUPPORT OF A
SPECIAL TEMPORARY AUTHORIZATION (STA)
FOR THE PROPOSED DIGITAL TV OPERATION OF
KWNB-DT, HAYES CENTER, NEBRASKA

FEBRUARY 2009

This engineering statement has been prepared on behalf of Pappas Telecasting of Central Nebraska, L.P., ("Pappas"), licensee of television station KWNB-TV, Hayes Center, Nebraska in support of an application for a Special Temporary Authorization (STA) for the station's digital TV (DTV) operation on Channel 6.

At present KWNB-TV, Facility ID Number 21162, is authorized to operate its analog TV facilities on Channel 6 (82-88 MHz) with 100 kW effective radiated power (ERP) and 221 meters antenna height above average terrain (HAAT) using a non-directional TV antenna. In MB Docket 08-193, RM-11489, the Commission has substituted TV Channel 6 for its assigned Channel 18 at Hayes Center, Nebraska. The allotted Channel 6 DTV operation is with 3 kW ERP and 221 meters HAAT from the station's licensed site. Pappas is requesting a Special Temporary Authorization (STA) on Channel 6 with 3 kW ERP and 221 meters HAAT.

The following information provides pertinent data for the proposed KWNB-DT operation.

Name of the Licensee:	Pappas Telecasting of Central Nebraska, L.P.
Station Location:	NE-Hayes Center
Channel:	6
Hours of Operation:	Unlimited
Transmitter:	Type Accepted
Antenna Type:	GE, TY-60-F
Beam Tilt:	None

Antenna Coordinates:	North Latitude:	40 deg	37 min	32 sec
	West Longitude:	101 deg	01 min	45 sec

Transmitter output power: As required to achieve authorized ERP

Maximum effective radiated power (Average): 3 kW
4.77 dBk

Elevation of site above mean sea level: 995.0 meters

Overall height of the tower above ground: 178.8 meters

Height of radiation center above ground (meters): 165 meters

Height of radiation center above mean sea level (meters): 1160 meters

Height of radiation center above average terrain (meters): 221 meters

Antenna Structure Registration No.: 1026527

KWNB-TV is seeking a Special Temporary Authorization (STA) to operate its DTV facilities as allotted in MB Docket No. 08-193, RM-11496. The noise limited contour (28 dBu) will not extend beyond that established by Report and Order, MB Docket No. 08-193, RM-11496.

An interference study conducted (see attached Table I) according to the FCC OET Bulletin 69 indicates the proposed KWNB-DT operation on Channel 6 would not cause any interference to other analog TV and DTV stations exceeding the Commission's guidelines. The proposed STA operation would serve 100% population listed in Report and Order, MB Docket No. 08-193, RM-11496.

The attached environmental statement demonstrates that there will not be any significant environmental impact from the proposed DTV operation in accordance with 47 C.F.R. Section 73.1307.

The attached map shows the proposed KWNB-DT 35 dBu contour will encompass the allotted principal community of Hayes Center, Nebraska (see Figure 1).

The proposed KWNB-DT facility complies with Section 73.1030 of the Commission's rules; therefore, notification to radio astronomy installations, radio receiving installations and FCC monitoring stations is not required.

KWNB-DT would be operating from the existing tower which is registered (ASR No. 1026527) by the Commission and no changes are proposed to require a change in the registration.

Table I

Census data selected 2000

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-30-2009 Time: 09:54:22

Record Selected for Analysis

KWNB-TV USERRECORD-01 HAYES CENTER NE US
Channel 06 ERP 3. kW HAAT 221. m RCAMSL 01160 m
Latitude 040-37-32 Longitude 0101-01-45
Status APP Zone 2 Border
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	28.0 dBu F(50,90) (km)
0.0	3.000	220.6	89.1
45.0	3.000	231.8	90.0
90.0	3.000	242.0	90.8
135.0	3.000	251.7	91.6
180.0	3.000	237.6	90.4
225.0	3.000	214.9	88.7
270.0	3.000	190.8	86.8
315.0	3.000	180.7	86.0

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KWNB-TV 06 HAYES CENTER NE USERRECORD01

and station

SHORT TO: KWNB-TV 06 HAYES CENTER NE BLCT 20000828AHT
040-37-32 0101-01-45
Req. separation 273.6 Actual separation 0.0 Short 273.6 km

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountian

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN
06	KWNB-TV	HAYES CENTER NE	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	KHAS-TV	HASTINGS NE	223.1	LIC	BLCT	-2417
06	KRMA-TV	DENVER CO	371.1	CP	BPET	-19990107KE
06	KRMA-TV	DENVER CO	372.0	APP	BSTA	-20090105AHL
06	KRMA-TV	DENVER CO	372.0	LIC	BLET	-19950504KE
06	KBSD-TV	ENSIGN KS	336.9	LIC	BMLCT	-20040826AAG
06	NEW	HUTCHINSON KS	380.2	APP	BPRM	-20011009AEG
06	WOWT-TV	OMAHA NE	426.6	LIC	BLCT	-19831024KI
06	KPLO-TV	RELIANCE SD	389.3	LIC	BLCT	-1436

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Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
05	KHASTV	HASTINGS NE	DTVPLN	-NPLN0364

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	WOITV	AMES IA	418.9	PLN	DTVPLN	-NPLN0349
05	KBSD-DT	ENSIGN KS	374.8	PLN	DTVPLN	-DTVP0020
05	KCTV	KANSAS CITY MO	368.9	PLN	DTVPLN	-NPLN0358
05	KDLT	MITCHELL SD	341.6	PLN	DTVPLN	-NPLN0378
06	KWNBTV	HAYES CENTER NE	223.4	PLN	DTVPLN	-NPLN0427
06	WOWT	OMAHA NE	211.0	PLN	DTVPLN	-NPLN0428

Results for: 5N NE HASTINGS DTVPLN NPLN0364 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	230175	28847.4
not affected by terrain losses	229283	28375.8
lost to NTSC IX	6576	2014.0
lost to additional IX by ATV	381	175.8
lost to all IX	6957	2189.8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	KHAS-TV	HASTINGS NE	BLCT	-2417

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	WOI-TV	AMES IA	418.9	LIC	BLCT	-2151
05	KBSD-DT	ENSIGN KS	374.8	PLN	DTVPLN	-DTVP0020
05	KCTV	KANSAS CITY MO	368.9	LIC	BMLCT	-19951020KE
05	KDLV-TV	MITCHELL SD	345.4	LIC	BLCT	-20020501AAL
06	KWNB-TV	HAYES CENTER NE	223.1	LIC	BLCT	-20000828AHT
06	WOWT-TV	OMAHA NE	211.0	LIC	BLCT	-19831024KI
06	KWNB-TV	HAYES CENTER NE	223.1	APP	USERRECORD-01	

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 Proposed station is beyond the site to
 nearest cell evaluation distance

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     Analysis of Interference to Affected Station   2


NTSC Baseline Analysis
Channel     Call           City/State        Application Ref. No.
   06      KRMATV     DENVER CO                DTVPLN    -NPLN0400

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KOAATV   PUEBLO CO                162.2  PLN    DTVPLN    -NPLN0343
 05   KGWNTV   CHEYENNE WY              153.7  PLN    DTVPLN    -NPLN0390
 06   KREZTV   DURANGO CO               358.3  PLN    DTVPLN    -NPLN0401
 06   KWNBTV   HAYES CENTER NE          371.6  PLN    DTVPLN    -NPLN0427
 06   NEW      VERNAL UT                338.6  PLN    DTVPLN    -NPLN0447
 06   NEW      CASPER WY                347.2  PLN    DTVPLN    -NPLN0453

Results for:  6N CO DENVER              DTVPLN    NPLN0400     PLN
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     3184940      32522.3
   not affected by terrain losses   3004687      29627.6
   lost to NTSC IX                   151088       2471.0
   lost to additional IX by ATV           0          0.0
   lost to all IX                    151088       2471.0

Analysis of current record
Channel     Call           City/State        Application Ref. No.
   06      KRMA-TV    DENVER CO                BPET      -19990107KE

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KOAA-TV  PUEBLO CO                155.3  LIC    BLCT      -19850314KG
 05   KGWN-TV  CHEYENNE WY              159.6  LIC    BLCT      -1639
 06   KREZ-TV  DURANGO CO               355.4  LIC    BLCT      -19851107KJ
 06   KWNB-TV  HAYES CENTER NE          371.1  LIC    BLCT      -20000828AHT
 06   NEW      DES MOINES NM            344.2  APP    BPRM      -20011009AEH
 06   KBCJ     VERNAL UT                342.8  CP MOD BPCT      -20050915ADU
 06   KPTW     CASPER WY                354.0  LIC    BLET      -20070228ABK
 06   KWNB-TV  HAYES CENTER NE          371.1  APP    USERRECORD-01

 Total scenarios =   1


Result key:        1
Scenario        1  Affected station        2
Before Analysis

Results for:  6N CO DENVER              BPET      19990107KE   CP
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     2947657      25092.2
   not affected by terrain losses   2919572      23484.7
   lost to NTSC IX                   229311       2199.3
   lost to additional IX by ATV           0          0.0
   lost to all IX                    229311       2199.3

 Potential Interfering Stations Included in above Scenario     1

 5N CO PUEBLO               BLCT      19850314KG   LIC
 5N WY CHEYENNE             BLCT      1639         LIC
 6N NE HAYES CENTER         BLCT      20000828AHT  LIC

After Analysis

Results for:  6N CO DENVER              BPET      19990107KE   CP
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                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     2947657      25092.2
   not affected by terrain losses   2919572      23484.7
   lost to NTSC IX                   228860       1483.5
   lost to additional IX by ATV         134        203.9
   lost to all IX                    228994       1687.5

 Potential Interfering Stations Included in above Scenario     1

 5N CO PUEBLO               BLCT      19850314KG   LIC
 5N WY CHEYENNE             BLCT      1639         LIC
 6A NE HAYES CENTER         USERRECORD01           APP

Percent new IX =    0.0045%

Worst case new IX    0.0045% Scenario      1

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     Analysis of Interference to Affected Station   3


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   06      KRMA-TV    DENVER CO                BSTA      -20090105AHL

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KOAA-TV  PUEBLO CO                162.2  LIC    BLCT      -19850314KG
 05   KGWN-TV  CHEYENNE WY              153.7  LIC    BLCT      -1639
 06   KREZ-TV  DURANGO CO               358.2  LIC    BLCT      -19851107KJ
 06   KWNB-TV  HAYES CENTER NE          372.0  LIC    BLCT      -20000828AHT
 06   NEW      DES MOINES NM            351.1  APP    BPRM      -20011009AEH
 06   KBCJ     VERNAL UT                338.6  CP MOD BPCT      -20050915ADU
 06   KPTW     CASPER WY                347.2  LIC    BLET      -20070228ABK
 06   KWNB-TV  HAYES CENTER NE          372.0  APP    USERRECORD-01

 Proposed station is beyond the site to
 nearest cell evaluation distance

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     Analysis of Interference to Affected Station   4


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   06      KRMA-TV    DENVER CO                BLET      -19950504KE

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KOAA-TV  PUEBLO CO                162.2  LIC    BLCT      -19850314KG
 05   KGWN-TV  CHEYENNE WY              153.7  LIC    BLCT      -1639
 06   KREZ-TV  DURANGO CO               358.2  LIC    BLCT      -19851107KJ
 06   KWNB-TV  HAYES CENTER NE          372.0  LIC    BLCT      -20000828AHT
 06   NEW      DES MOINES NM            351.1  APP    BPRM      -20011009AEH
 06   KBCJ     VERNAL UT                338.6  CP MOD BPCT      -20050915ADU
 06   KPTW     CASPER WY                347.2  LIC    BLET      -20070228ABK
 06   KWNB-TV  HAYES CENTER NE          372.0  APP    USERRECORD-01

 Total scenarios =   1


Result key:        2
Scenario        1  Affected station        4
Before Analysis
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Results for:  6N CO DENVER              BLET      19950504KE   LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     3184940      32522.3
   not affected by terrain losses   3004687      29627.6
   lost to NTSC IX                   151043       2443.0
   lost to additional IX by ATV           0          0.0
   lost to all IX                    151043       2443.0

 Potential Interfering Stations Included in above Scenario     1

 5N CO PUEBLO               BLCT      19850314KG   LIC
 5N WY CHEYENNE             BLCT      1639         LIC
 6N UT VERNAL               BPCT      20050915ADU  CP
 6N NE HAYES CENTER         BLCT      20000828AHT  LIC

After Analysis

Results for:  6N CO DENVER              BLET      19950504KE   LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     3184940      32522.3
   not affected by terrain losses   3004687      29627.6
   lost to NTSC IX                   150022       1567.3
   lost to additional IX by ATV         259        271.9
   lost to all IX                    150281       1839.2

 Potential Interfering Stations Included in above Scenario     1

 5N CO PUEBLO               BLCT      19850314KG   LIC
 5N WY CHEYENNE             BLCT      1639         LIC
 6N UT VERNAL               BPCT      20050915ADU  CP
 6A NE HAYES CENTER         USERRECORD01           APP

Percent new IX =    0.0081%

Worst case new IX    0.0081% Scenario      1

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     Analysis of Interference to Affected Station   5


NTSC Baseline Analysis
Channel     Call           City/State        Application Ref. No.
   06      KBSDTV     ENSIGN KS                DTVPLN    -NPLN0411

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KBSD-DT  ENSIGN KS                 0.0  PLN    DTVPLN    -DTVP0020
 06   KWNBTV   HAYES CENTER NE         336.9  PLN    DTVPLN    -NPLN0427

Results for:  6N KS ENSIGN              DTVPLN    NPLN0411     PLN
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      139326      28813.0
   not affected by terrain losses    137536      28326.2
   lost to NTSC IX                     2134       1219.0
   lost to additional IX by ATV           0          0.0
   lost to all IX                      2134       1219.0

Analysis of current record
Channel     Call           City/State        Application Ref. No.
   06      KBSD-TV    ENSIGN KS                BMLCT     -20040826AAG

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KBSD-DT  ENSIGN KS                 0.0  PLN    DTVPLN    -DTVP0020
 06   NEW      HUTCHINSON KS           181.5  APP    BPRM      -20011009AEG
 06   KWNB-TV  HAYES CENTER NE         336.9  LIC    BLCT      -20000828AHT
 06   NEW      DES MOINES NM           327.0  APP    BPRM      -20011009AEH
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 06   KWNB-TV  HAYES CENTER NE           336.9  APP    USERRECORD-01

 Total scenarios =   1


Result key:        3
Scenario        1  Affected station        5
Before Analysis

Results for:  6N KS ENSIGN               BMLCT     20040826AAG  LIC
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour      139314      28804.9
   not affected by terrain losses    138632      28318.1
   lost to NTSC IX                     2132       1198.9
   lost to additional IX by ATV           0          0.0
   lost to all IX                      2132       1198.9

 Potential Interfering Stations Included in above Scenario     1

 6N NE HAYES CENTER         BLCT      20000828AHT  LIC

After Analysis

Results for:  6N KS ENSIGN               BMLCT     20040826AAG  LIC
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour      139314      28804.9
   not affected by terrain losses    138632      28318.1
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV           5         36.2
   lost to all IX                         5         36.2

 Potential Interfering Stations Included in above Scenario     1

 6A NE HAYES CENTER         USERRECORD01           APP

Percent new IX =    0.0036%

Worst case new IX    0.0036% Scenario      1

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     Analysis of Interference to Affected Station   6


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   06      NEW        HUTCHINSON KS             BPRM      -20011009AEG

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KBSD-DT  ENSIGN KS                181.5  PLN    DTVPLN    -DTVP0020
 06   KBSD-TV  ENSIGN KS                181.5  LIC    BMLCT     -20040826AAG
 06   KWNBTV   HAYES CENTER NE          380.3  PLN    DTVPLN    -NPLN0427
 06   WOWT-TV  OMAHA NE                 423.7  LIC    BLCT      -19831024KI
 06   KOTV     TULSA OK                 315.7  LIC    BLCT      -19841031KI
 06   KWNB-TV  HAYES CENTER NE          380.2  APP    USERRECORD-01
 Proposal causes no interference

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     Analysis of Interference to Affected Station   7


NTSC Baseline Analysis
Channel     Call           City/State        Application Ref. No.
   06      WOWT       OMAHA NE                  DTVPLN    -NPLN0428

     Stations Potentially Affecting This Station
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Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   WOITV    AMES IA                 208.1  PLN    DTVPLN    -NPLN0349
 05   KHASTV   HASTINGS NE            211.0  PLN    DTVPLN    -NPLN0364
 06   KAAL     AUSTIN MN               349.0  PLN    DTVPLN    -NPLN0419
 06   KMOSTV   SEDALIA MO             368.9  PLN    DTVPLN    -NPLN0420
 06   KWNBTV   HAYES CENTER NE        426.9  PLN    DTVPLN    -NPLN0427
 06   KPLOTV   RELIANCE SD            415.3  PLN    DTVPLN    -NPLN0439

Results for:  6N NE OMAHA              DTVPLN    NPLN0428     PLN
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1267293      40115.1
   not affected by terrain losses   1254682      38745.9
   lost to NTSC IX                    14988       2274.0
   lost to additional IX by ATV           0          0.0
   lost to all IX                     14988       2274.0

Analysis of current record
Channel     Call           City/State        Application Ref. No.
   06      WOWT-TV    OMAHA NE                BLCT      -19831024KI

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   WOI-TV   AMES IA                 208.1  LIC    BLCT      -2151
 05   KHAS-TV  HASTINGS NE            211.0  LIC    BLCT      -2417
 06   NEW      HUTCHINSON KS          423.7  APP    BPRM      -20011009AEG
 06   KAAL     AUSTIN MN               349.0  LIC    BLCT      -2236
 06   KMOS-TV  SEDALIA MO             401.8  LIC    BLET      -20010926ACE
 06   KWNB-TV  HAYES CENTER NE        426.6  LIC    BLCT      -20000828AHT
 06   KPLO-TV  RELIANCE SD            415.3  LIC    BLCT      -1436
 06   KWNB-TV  HAYES CENTER NE        426.6  APP    USERRECORD-01

 Proposed station is beyond the site to
 nearest cell evaluation distance

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     Analysis of Interference to Affected Station   8


NTSC Baseline Analysis
Channel     Call           City/State        Application Ref. No.
   06      KPLOTV     RELIANCE SD             DTVPLN    -NPLN0439

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KDLT     MITCHELL SD             182.7  PLN    DTVPLN    -NPLN0378
 06   WDAYTV   FARGO ND                386.9  PLN    DTVPLN    -NPLN0425
 06   KWNBTV   HAYES CENTER NE         389.4  PLN    DTVPLN    -NPLN0427
 06   WOWT     OMAHA NE                415.3  PLN    DTVPLN    -NPLN0428

Results for:  6N SD RELIANCE           DTVPLN    NPLN0439     PLN
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour       59775      35578.4
   not affected by terrain losses     59349      34342.3
   lost to NTSC IX                     2877       2203.3
   lost to additional IX by ATV           0          0.0
   lost to all IX                      2877       2203.3

Analysis of current record
Channel     Call           City/State        Application Ref. No.
   06      KPLO-TV    RELIANCE SD             BLCT      -1436

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KDLV-TV  MITCHELL SD              98.1  LIC    BLCT      -20020501AAL
 06   WDAY-TV  FARGO ND                386.9  LIC    BMLCT     -624
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 06   KWNB-TV  HAYES CENTER NE          389.3  LIC    BLCT      -20000828AHT
 06   WOWT-TV  OMAHA NE                415.3  LIC    BLCT      -19831024KI
 06   KWNB-TV  HAYES CENTER NE          389.3  APP    USERRECORD-01

 Total scenarios =   1


Result key:        4
Scenario        1  Affected station        8
Before Analysis

Results for:  6N SD RELIANCE             BLCT      1436         LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour       59775      35578.4
   not affected by terrain losses     59349      34342.3
   lost to NTSC IX                     9598       5831.4
   lost to additional IX by ATV           0          0.0
   lost to all IX                      9598       5831.4

 Potential Interfering Stations Included in above Scenario     1

 5N SD MITCHELL             BLCT      20020501AAL  LIC
 6N ND FARGO                BMLCT     624          LIC
 6N NE HAYES CENTER         BLCT      20000828AHT  LIC

After Analysis

Results for:  6N SD RELIANCE             BLCT      1436         LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour       59775      35578.4
   not affected by terrain losses     59349      34342.3
   lost to NTSC IX                     9358       5474.2
   lost to additional IX by ATV           2         12.0
   lost to all IX                      9360       5486.3

 Potential Interfering Stations Included in above Scenario     1

 5N SD MITCHELL             BLCT      20020501AAL  LIC
 6N ND FARGO                BMLCT     624          LIC
 6A NE HAYES CENTER         USERRECORD01           APP

Percent new IX =    0.0033%

Worst case new IX    0.0033% Scenario      1

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     Analysis of Interference to Affected Station   9


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   06      KWNB-TV    HAYES CENTER NE           USERRECORD-01

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 05   KHAS-TV  HASTINGS NE              223.1  LIC    BLCT      -2417
 06   KRMA-TV  DENVER CO                371.1  CP     BPET      -19990107KE
 06   KBSD-TV  ENSIGN KS                336.9  LIC    BMLCT     -20040826AAG
 06   NEW      HUTCHINSON KS            380.2  APP    BPRM      -20011009AEG
 06   WOWT-TV  OMAHA NE                 426.6  LIC    BLCT      -19831024KI
 06   KPLO-TV  RELIANCE SD              389.3  LIC    BLCT      -1436

 Total scenarios =   1


Result key:        5
Scenario        1  Affected station        9
Before Analysis
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Results for:  6A NE HAYES CENTER         USERRECORD01           APP
   HAAT  221.0 m, ATV ERP    3.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour       77072      24985.9
   not affected by terrain losses     76774      24758.1
   lost to NTSC IX                      419         91.9
   lost to additional IX by ATV           0          0.0
   lost to ATV IX only                    0          0.0
   lost to all IX                       419         91.9

 Potential Interfering Stations Included in above Scenario     1

 6N KS ENSIGN               BMLCT     20040826AAG  LIC

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ENVIRONMENTAL PROTECTION ACT

Since KWNB-DT will be using its currently licensed tower (ASR No. 1026527), for the DTV operation the environmental concerns listed in Section 1.1307(a) of the Commission's rules are not pertinent; therefore, those issues have not been addressed.

An evaluation has been made to determine compliance with the Commission's specified standards for human exposure to RF fields as set forth in the OET Bulletin No. 65 dated August 1997. For a maximum effective radiated power of 3 kW and a radiation center of 165 meters above ground level, the proposed Channel 6 DTV operation would have less than 1 microwatts per square centimeter ($\mu W/cm^2$) RF field at 2 meters above the base of tower assuming an antenna field factor of 0.5 in the downward direction.

The Commission's guidelines for Channel 6 are 1,000 $\mu W/cm^2$ for the occupational/controlled, and 200 $\mu W/cm^2$ for the general population/uncontrolled environment.

The above analysis indicates that members of the public and personnel working around the KWNB-DT tower would not be exposed to RF fields exceeding the Commission's guidelines. With respect to work performed on the tower, KWNB-DT will establish procedures to ensure that workers are not exposed to RF fields above the Commission's guidelines, by reducing or turning off the power, as appropriate.

For the reasons stated above, it is believed this proposal complies with Section 1.1307(a) and (b) of the Commission's Rules; therefore, under Section 1.1306, it is categorically excluded from environmental processing.

KHANNA & GUILL, Inc. - Consulting Engineers

FEBRUARY 2009

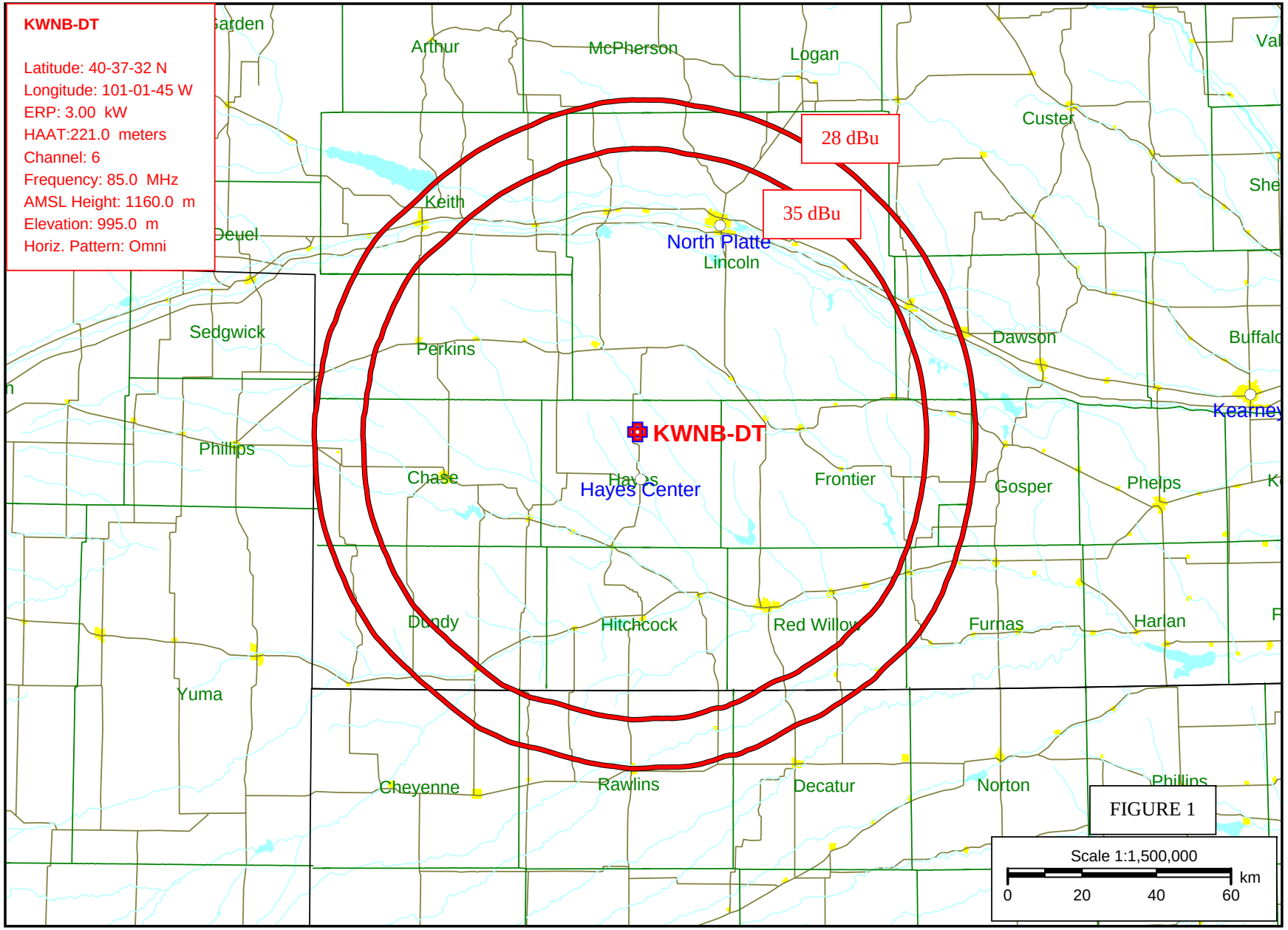

FIGURE 1

COMPUTED CONTOURS FOR THE PROPOSED CH. 6 DTV OPERATION OF KWNB-DT, HAYES CENTER, NEBRASKA