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Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In re:	)	
	)	
Amendment of Section 73.622	)	
Final DTV Table of Allotments	)	MB Docket No. ___
Television Broadcast Stations	)	
(Santa Fe, New Mexico)	)	

FILED/ACCEPTED
JUN 15 2009
Federal Communications Commission
Office of the Secretary

To: Secretary, FCC
Attn: Chief, Video Division, Media Bureau

PETITION FOR RULEMAKING

The Regents of the University of New Mexico ("the University"), licensee of noncommercial educational digital television station KNMD-DT ("KNMD"), DTV Channel *9, Santa Fe, New Mexico, by its attorneys and pursuant to the Commission's Rules, hereby requests that the Commission institute a rulemaking proceeding to amend Section 73.622(i) of its Rules to substitute DTV Channel *8 in lieu of DTV Channel *9 as KNMD's digital channel in Santa Fe, New Mexico. The substitution of digital channels would serve the public interest by allowing the University to increase substantially the station's operating power and coverage, thereby avoiding significant current limitations on KNMD's DTV Channel *9 operation due to interference concerns. In addition, as the attached technical documentation demonstrates, KNMD's proposed operation on DTV Channel *8 will not cause impermissible interference to any other post-transition stations or allotments, or to any Class A stations.

The University proposes the following amendment to Section 73.622(i) of the Commission's Rules:

City and State	Present	Proposed
Santa Fe, New Mexico	*9, 10, 27, 29	*8, 10, 27, 29

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In support of this petition, the University submits the following:

A. A Petition for Rulemaking is Appropriate.

Station KNMD is a public television station licensed to the Regents of the University of New Mexico, a state institution of higher education and a governmental entity of the State of New Mexico. The University has operated KNMD as a DTV-only noncommercial educational station since 2004 on digital Channel *9, and has operated its sister station KNME-TV/DT, Albuquerque, New Mexico for more than 50 years. The mission of KNME (and KNMD) is to inform, engage, and connect New Mexico's diverse communities, reflecting their interests and needs through quality programming, services, and on-line content that can be accessed universally anytime, anywhere. The stations invest their resources to enrich the lives of viewers through engaging content and services that expand horizons, stimulate local culture, foster public dialogue, encourage civic involvement, and advance the quality of life for all. Based on its current DTV Channel 9 allotment, KNMD can provide its high quality educational, informational and cultural programming to 857,000 persons in central and northern New Mexico, covering an area of 20,827 sq. km. *See* attached Engineering Statement.

The University now seeks to substitute DTV Channel *8 in lieu of DTV Channel *9 in order to alleviate interference concerns and to increase the number of citizens it can reach with its noncommercial educational programming. In connection with the proposed change in channel, the University plans to increase KNMD's operating power to 5.14 kW ERP. As explained in the attached Engineering Statement, the move to Channel *8 will allow KNMD to increase the number of persons it can serve to 920,474, and its coverage area to 40,518 sq. km. This amounts to a population-served increase of 63,474 persons (and a coverage area increase of 19,691 sq. km).

B. The Proposed Change to the Table of Allotments Will Serve the Public Interest.

The proposed change to the DTV Table of Allotments will serve the public interest by increasing the population and area served by KNMD's high quality noncommercial educational programming, while avoiding potential interference. KNMD's use of DTV Channel *8 will allow substantially more local residents to view the station's noncommercial digital programming, as the change would increase the number of persons served by KNMD by more than seven percent (7 %), and nearly double the station's coverage area, with much of the population gain in rural, sparsely populated parts of New Mexico.

C. The Proposed Change to the Table of Allotments Will Not Result in Impermissible Interference to Surrounding Stations.

Under Section § 73.622(f)(5) of the Commission's Rules, an existing licensee with a DTV allotment may seek a change in the station's channel if the licensee demonstrates that the change "complies with the technical criteria in § 73.623(c), and thereby will not result in new interference exceeding the *de minimis* standard set forth in that section . . ." In accordance with these rules, the University requests that the Commission substitute DTV Channel *8, at a power/height combination of no more than 5.14 kW ERP (omni-directional) / 1,273.9 m HAAT, for DTV Channel *9. As the engineering statement accompanying this petition demonstrates, the proposed operation of KNMD on Channel *8 with an ERP of 5.14 kW (utilizing an omni-directional antenna) and a HAAT of 1,273.9 m would result in no impermissible interference to any other station.

D. Conclusion.

For these reasons, the University requests that the Commission institute a rulemaking proceeding to amend Section 73.622(i) of its Rules to substitute DTV Channel *8 for DTV Channel *9 as the digital television channel for KNMD in Santa Fe, New Mexico. If the

Commission grants this petition and modifies the DTV Table of Allotments accordingly, the University is committed to applying for and constructing a modified KNMD-DT facility on Channel *8.

Respectfully Submitted,

THE REGENTS OF THE
UNIVERSITY OF NEW MEXICO

By: Barry Persh
Margaret L. Miller
Barry S. Persh

Their Attorneys

DOW LOHNES PLLC
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Washington, D.C. 20036
(202) 776-2000

June 15, 2009

Station KNMD-DT • as DTV Channel 08 • Santa Fe, New Mexico

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained by The Regents of the University of New Mexico, licensee of Noncommercial Station KNMD-DT, D09, Santa Fe, New Mexico, to prepare this engineering exhibit in support of a Petition for Rulemaking to change KNMD-DT from D09 to D08.

Background

The KNMD-DT post-transition DTV allotment is on D09. Because of the presence of non-collocated station KCHF-DT, D10, Santa Fe, KNMD-DT has had to limit its power at the Sandia Crest Electronics Site to just 0.200 kW ERP (DA).

KNMD-DT as D08 Would Eliminate the KCHF-DT Conflict and Allow Greater Power

It has been determined that KNMD-DT could be moved from D09 to D08, while remaining at the Sandia Crest site, and significantly increase its power to 5.14 kW ERP omnidirectional, without causing more than 0.5% "*de minimis*" incremental interference to any other post-transition DTV station or allotment, or to any Class A TV station. The parameters for the D08 operation would be a center-of-radiation height of 47.9 meters AGL, 3,289.4 meters AMSL, and 1,273.9 meters HAAT, at 35° 12' 44" N, 106° 26' 57" W, NAD27. This is Tower 16 at the Sandia Crest site, and the former KNME-TV, N05, Albuquerque, NM, tower. The existing top-mounted KNME-TV Harris Model TAB-4L four-bay Channel 5 antenna would be removed, and a replacement 4-bay ERI Model ATW4V12-ETO-8 antenna substituted. The proposed site is 380.3 km from the Mexican border, so there are no U.S.-Mexico treaty issues.

For the effective height of 1,273.9 meters the allowable ERP for a DTV VHF high band station would be 8.52 kW. However, in order to protect Station KOFT-DT, D08, Farmington, NM, the requested allotment power for now is being limited to 5.14 kW. It should be noted that in its February 19, 2008, Form 387 filing, FCC File Number BDTRCT-20080219AOC, Hearst-Argyle Television, Inc. advised the Commission this it would be permanently discontinuing the operation of KOFT-DT as of November 13, 2007. When the KOFT-DT D08 allotment and construction permit are purged from the CDBS, it is anticipated that KNMD-DT will then filed to maximize its D08 operation to 8.52 kW.

The new interference-free land area and population for KNMD-DT as D08 at 5.14 kW would be 40,518 sq. km and 920,474 persons (2000 Census). By comparison, the Appendix B land area and population for the KNMD-DT, D09, allotment is 20,827 sq. km and 857,000 persons, so the proposed channel shift would greatly expand the KNMD-DT coverage. This is also the existing D09 land area and interference-free coverage.

Station KNMD-DT • as DTV Channel 08 • Santa Fe, New Mexico

Summary

Moving KNMD-DT from D09 to D08 would allow a significant increase in the station's power, and would not cause more than 0.5% "*de minimis*" incremental interference to any other station.

List of Figures

In carrying out these engineering studies, the following attached figures were prepared under my direct supervision:

1. Map showing the proposed D08 coverage versus the licensed D09 coverage
2. FCC *tv_process_post* OET-69 interference study for KNMD-DT as D08 at 5.14 kW ERP omni.

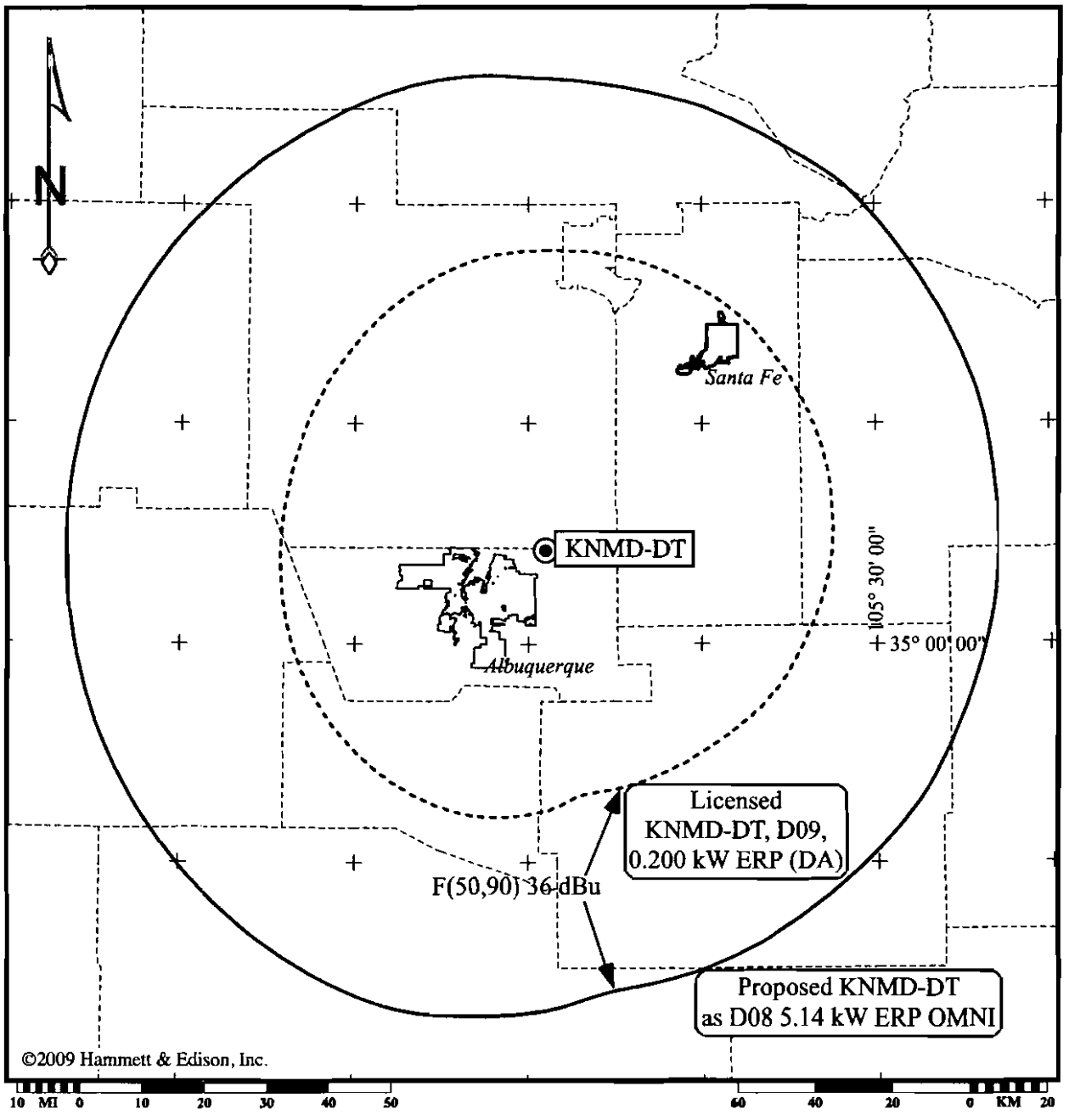
REGISTERED PROFESSIONAL ENGINEER
DANE E. ERICKSEN
No. 11654
Exp. 9-30-10
ELECTRICAL
STATE OF CALIFORNIA

Dane E. Ericksen, P.E.

June 5, 2009

Station KNMD-DT • as DTV Channel 08 • Santa Fe, New Mexico

Licensed vs. Proposed KMND-DT Coverage Contours



Albers equal area map projection. Map data taken from Sectional Aeronautical Charts, published by the National Ocean Survey. Geographic coordinate marks shown at 30-minute increments. City limits shown taken from U.S. Census Bureau TIGER/Line 2000 data.

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

090604.1
Figure 1

Station KNMD-TV • as DTV Channel 08 • Santa Fe, New Mexico

Post-Transition OET-69 Interference Study

Note: Where more than one scenario was generated, only the worst case scenario is shown.

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
TW Census data selected 2000
Post Transition Data Base Selected /space/software/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-04-2009 Time: 17:20:47

Record Selected for Analysis

KNMD-TV USERRECORD-01 SANTA FE NM US
Channel 08 ERP 5.14 kW HAAT 1273. m RCAMSL 03289 m
Latitude 035-12-44 Longitude 0106-26-57
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)	36.0 dBu F(50,90) (km)
0.0	5.051	1184.5	119.1
45.0	5.040	1246.7	120.1
90.0	5.057	1152.8	118.6
135.0	5.095	955.1	114.8
180.0	5.080	1035.7	116.4
225.0	4.990	1527.6	124.3
270.0	4.977	1599.6	125.3
315.0	4.998	1479.7	123.7

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KNMD-TV 08 SANTA FE NM USERRECORD01

and station

Station KNMD-TV • as DTV Channel 08 • Santa Fe, New Mexico

Post-Transition OET-69 Interference Study

```
SHORT TO: KOFT     08 FARMINGTON           NM BMPCDT    20041028AGN
036-40-17  0108-13-52
Req. separation 273.6 Actual separation 228.2 Short  45.4 km

SHORT TO: KOFT     08 FARMINGTON           NM DTVPLN    DTVP0149
36 -40-17  108 -13-52
Req. separation 273.6 Actual separation 228.2 Short  45.4 km
```

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

****

Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN
08	KNMD-TV	SANTA FE NM	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	0.3	CP	BPCDT	-20080317AEH
07	KOAT-TV	ALBUQUERQUE NM	0.3	PLN	DTVPLN	-DTVP0083
08	KTSC	PUEBLO CO	417.3	PLN	DTVPLN	-DTVP0117
08	KTSC	PUEBLO CO	417.2	CP MOD	BMPEDT	-20090223ABD
08	KOFT	FARMINGTON NM	228.1	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	228.1	PLN	DTVPLN	-DTVP0149
08	KOBR	ROSWELL NM	319.7	PLN	DTVPLN	-DTVP0150
08	KOBR	ROSWELL NM	319.7	CP MOD	BMPCDT	-20080618AAA
08	KACV-TV	AMARILLO TX	414.7	LIC	BLEDT	-20040322ADV
08	KACV-TV	AMARILLO TX	414.7	PLN	DTVPLN	-DTVP0165

%%%

08	KOFT	FARMINGTON NM	227.8	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	227.8	PLN	DTVPLN	-DTVP0149
08	KNMD-TV	SANTA FE NM	0.3	APP	USERRECORD-01	

Proposal causes no interference

##

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	DTVPLN	-DTVP0083

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KVII-TV	AMARILLO TX	414.7	PLN	DTVPLN	-DTVP0100
07	KVII-TV	AMARILLO TX	414.8	CP	BPCDT	-20080317AGO
07	KVIA-TV	EL PASO TX	379.0	PLN	DTVPLN	-DTVP0102
07	KVIA-TV	EL PASO TX	379.0	CP	BPCDT	-20080222ADB
08	KOFT	FARMINGTON NM	227.8	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	227.8	PLN	DTVPLN	-DTVP0149
08	KNMD-TV	SANTA FE NM	0.3	APP	USERRECORD-01	

Proposal causes no interference

##

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KTSC	PUEBLO CO	DTVPLN	-DTVP0117

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMGH-TV	DENVER CO	114.1	CP	BPCDT	-20080619AIY
07	KMGH-TV	DENVER CO	114.0	PLN	DTVPLN	-DTVP0051
07	KMGH-TV	DENVER CO	114.1	APP	BMPCDT	-20090105ADQ
08	KSWK	LAKIN KS	342.8	LIC	BLEDT	-20050203ADS
08	KSWK	LAKIN KS	342.8	PLN	DTVPLN	-DTVP0129
08	KOFT	FARMINGTON NM	375.4	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	375.4	PLN	DTVPLN	-DTVP0149
08	KWYP-TV	LARAMIE WY	289.5	CP MOD	BMPEDT	-20080617ADF
08	KWYP-TV	LARAMIE WY	286.9	PLN	DTVPLN	-DTVP0176
09	KUSA-TV	DENVER CO	114.0	PLN	DTVPLN	-DTVP0186
09	KUSA-TV	DENVER CO	114.1	CP MOD	BMPCDT	-20080620AMC
08	KNMD-TV	SANTA FE NM	417.3	APP	USERRECORD-01	

Proposal causes no interference

##

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KTSC	PUEBLO CO	BMPEDT	-20090223ABD

Station KNMD-TV • as DTV Channel 08 • Santa Fe, New Mexico

Post-Transition OET-69 Interference Study

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMGH-TV	DENVER CO	114.1	CP	BPCDT	-20080619AIY
07	KMGH-TV	DENVER CO	114.1	PLN	DTVPLN	-DTVP0051
07	KMGH-TV	DENVER CO	114.1	APP	BMPCDT	-20090105ADQ
08	KSWK	LAKIN KS	342.8	LIC	BLEDT	-20050203ADS
08	KSWK	LAKIN KS	342.8	PLN	DTVPLN	-DTVP0129
08	KOFT	FARMINGTON NM	375.4	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	375.4	PLN	DTVPLN	-DTVP0149
08	KWYP-TV	LARAMIE WY	289.5	CP MOD	BMPEDT	-20080617ADF
08	KWYP-TV	LARAMIE WY	287.0	PLN	DTVPLN	-DTVP0176
09	KUSA-TV	DENVER CO	114.1	PLN	DTVPLN	-DTVP0186
09	KUSA-TV	DENVER CO	114.1	CP MOD	BMPCDT	-20080620AMC
08	KNMD-TV	SANTA FE NM	417.2	APP	USERRECORD	-01

Proposal causes no interference

##

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KOFT	FARMINGTON NM	BMPCDT	-20041028AGN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	227.8	CP	BPCDT	-20080317AEH
07	KOAT-TV	ALBUQUERQUE NM	227.8	PLN	DTVPLN	-DTVP0083
08	KTSC	PUEBLO CO	375.4	PLN	DTVPLN	-DTVP0117
08	KTSC	PUEBLO CO	375.4	CP MOD	BMPEDT	-20090223ABD
09	KNMD-TV	SANTA FE NM	228.0	PLN	DTVPLN	-DTVP0210
08	KNMD-TV	SANTA FE NM	228.1	APP	USERRECORD	-01

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 5
Before Analysis

Results for: 8A NM FARMINGTON BMPCDT 20041028AGN CP
HAAT 166.0 m, ATV ERP 40.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	182819	26514.3
not affected by terrain losses	151221	23531.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 8A NM FARMINGTON BMPCDT 20041028AGN CP
HAAT 166.0 m, ATV ERP 40.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	182819	26514.3
not affected by terrain losses	151221	23531.7

```
   lost to NTSC IX                          0          0.0
   lost to additional IX by ATV           748        888.4
   lost to ATV IX only                    748        888.4
   lost to all IX                         748        888.4

 Potential Interfering Stations Included in above Scenario     1

 8A NM SANTA FE              USERRECORD01           APP

Percent new IX =    0.4946%

Worst case new IX    0.4946% Scenario      1

#######################################################################

     Analysis of Interference to Affected Station   6


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   08       KOFT       FARMINGTON NM             DTVPLN    -DTVP0149

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 07   KOAT-TV  ALBUQUERQUE NM            227.8  CP      BPCDT      -20080317AEH
 07   KOAT-TV  ALBUQUERQUE NM            227.8  PLN     DTVPLN     -DTVP0083
 08   KTSC     PUEBLO CO                  375.4  PLN     DTVPLN     -DTVP0117
 08   KTSC     PUEBLO CO                  375.4  CP MOD  BMPEDT     -20090223ABD
 09   KNMD-TV  SANTA FE NM                228.0  PLN     DTVPLN     -DTVP0210
 08   KNMD-TV  SANTA FE NM                228.1  APP     USERRECORD-01

 Total scenarios =   1


Result key:        2
Scenario        1  Affected station        6
Before Analysis

Results for:  8A NM FARMINGTON           DTVPLN    DTVP0149     PLN
   HAAT  166.0 m, ATV ERP   40.0 kW
                                     POPULATION   AREA (sq km)
   within Noise Limited Contour        182819       26514.3
   not affected by terrain losses      151221       23531.7
   lost to NTSC IX                          0          0.0
   lost to additional IX by ATV             0          0.0
   lost to ATV IX only                      0          0.0
   lost to all IX                           0          0.0

 Potential Interfering Stations Included in above Scenario     1


After Analysis

Results for:  8A NM FARMINGTON           DTVPLN    DTVP0149     PLN
   HAAT  166.0 m, ATV ERP   40.0 kW
                                     POPULATION   AREA (sq km)
   within Noise Limited Contour        182819       26514.3
   not affected by terrain losses      151221       23531.7
   lost to NTSC IX                          0          0.0
   lost to additional IX by ATV           748        888.4
   lost to ATV IX only                    748        888.4
   lost to all IX                         748        888.4
```

Station KNMD-TV • as DTV Channel 08 • Santa Fe, New Mexico

Post-Transition OET-69 Interference Study

Potential Interfering Stations Included in above Scenario 1

8A NM SANTA FE USERRECORD01 APP

Percent new IX = 0.4946%

Worst case new IX 0.4946% Scenario 1

##

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KOBR	ROSWELL NM	DTVPLN	-DTVP0150

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOSA-TV	ODESSA TX	201.7	APP	BMPCDT	-20080620AJT
07	KOSA-TV	ODESSA TX	201.7	PLN	DTVPLN	-DTVP0103
07	KOSA-TV	ODESSA TX	201.7	CP	BPCDT	-20080317AEC
08	KACV-TV	AMARILLO TX	281.8	LIC	BLEDT	-20040322ADV
08	KACV-TV	AMARILLO TX	281.8	PLN	DTVPLN	-DTVP0165
09	KWES-TV	ODESSA TX	175.3	CP	BPCDT	-20080317ADS
09	KWES-TV	ODESSA TX	175.3	PLN	DTVPLN	-DTVP0225
08	KNMD-TV	SANTA FE NM	319.7	APP	USERRECORD-01	

Total scenarios = 2

Result key: 3
Scenario 1 Affected station 7
Before Analysis

Results for: 8A NM ROSWELL DTVPLN DTVP0150 PLN
HAAT 499.0 m, ATV ERP 20.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	159541	39694.2
not affected by terrain losses	159477	39040.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28	153.3
lost to ATV IX only	28	153.3
lost to all IX	28	153.3

Potential Interfering Stations Included in above Scenario 1

8A TX AMARILLO BLEDT 20040322ADV LIC

After Analysis

Results for: 8A NM ROSWELL DTVPLN DTVP0150 PLN
HAAT 499.0 m, ATV ERP 20.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	159541	39694.2
not affected by terrain losses	159477	39040.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	40	282.5
lost to ATV IX only	40	282.5
lost to all IX	40	282.5

Station KNMD-TV • as DTV Channel 08 • Santa Fe, New Mexico

Post-Transition OET-69 Interference Study

```
 Potential Interfering Stations Included in above Scenario     1

 8A TX AMARILLO              BLEDT     20040322ADV  LIC
 8A NM SANTA FE              USERRECORD01           APP

Percent new IX =    0.0075%


Worst case new IX    0.0075% Scenario      1

#######################################################################


     Analysis of Interference to Affected Station   8


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   08      KOBR       ROSWELL NM               BMPCDT    -20080618AAA

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 07   KOSA-TV  ODESSA TX                 201.7  APP    BMPCDT     -20080620AJT
 07   KOSA-TV  ODESSA TX                 201.7  PLN    DTVPLN     -DTVP0103
 07   KOSA-TV  ODESSA TX                 201.7  CP     BPCDT      -20080317AEC
 08   KACV-TV  AMARILLO TX               281.8  LIC    BLEDT      -20040322ADV
 08   KACV-TV  AMARILLO TX               281.8  PLN    DTVPLN     -DTVP0165
 09   KWES-TV  ODESSA TX                 175.3  CP     BPCDT      -20080317ADS
 09   KWES-TV  ODESSA TX                 175.3  PLN    DTVPLN     -DTVP0225
 08   KNMD-TV  SANTA FE NM               319.7  APP    USERRECORD-01

 Total scenarios =   4


Result key:        5
Scenario        1  Affected station        8
Before Analysis

Results for:  8A NM ROSWELL              BMPCDT    20080618AAA  CP
   HAAT  533.0 m, ATV ERP   40.0 kW
                                     POPULATION   AREA (sq km)
   within Noise Limited Contour        194611       46197.7
   not affected by terrain losses      194515       45535.9
   lost to NTSC IX                          0           0.0
   lost to additional IX by ATV          2594         193.7
   lost to ATV IX only                   2594         193.7
   lost to all IX                        2594         193.7

 Potential Interfering Stations Included in above Scenario     1

 8A TX AMARILLO              BLEDT     20040322ADV  LIC
 9A TX ODESSA                BPCDT     20080317ADS  CP

After Analysis

Results for:  8A NM ROSWELL              BMPCDT    20080618AAA  CP
   HAAT  533.0 m, ATV ERP   40.0 kW
                                     POPULATION   AREA (sq km)
   within Noise Limited Contour        194611       46197.7
   not affected by terrain losses      194515       45535.9
   lost to NTSC IX                          0           0.0
   lost to additional IX by ATV          2597         290.6
   lost to ATV IX only                   2597         290.6
```

```
  lost to all IX                        2597        290.6

 Potential Interfering Stations Included in above Scenario     1

 8A TX AMARILLO              BLEDT     20040322ADV  LIC
 9A TX ODESSA                BPCDT     20080317ADS  CP
 8A NM SANTA FE              USERRECORD01           APP

Percent new IX =    0.0016%


Worst case new IX    0.0016% Scenario      1

#######################################################################


     Analysis of Interference to Affected Station   9


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   08      KACV-TV    AMARILLO TX               BLEDT     -20040322ADV

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 07   KVII-TV  AMARILLO TX                 0.1  PLN     DTVPLN     -DTVP0100
 07   KVII-TV  AMARILLO TX                 0.0  CP      BPCDT      -20080317AGO
 08   KSWK     LAKIN KS                  281.2  LIC     BLEDT      -20050203ADS
 08   KSWK     LAKIN KS                  281.2  PLN     DTVPLN     -DTVP0129
 08   KOBR     ROSWELL NM                281.8  PLN     DTVPLN     -DTVP0150
 08   KOBR     ROSWELL NM                281.8  CP MOD  BMPCDT     -20080618AAA
 08   KWET     CHEYENNE OK               202.0  LIC     BLEDT      -20060601BMA
 08   KWET     CHEYENNE OK               201.9  PLN     DTVPLN     -DTVP0155
 09   KACV-DR  AMARILLO TX                 6.5  APP     BPRM       -20081126AUK
 08   KNMD-TV  SANTA FE NM              414.7  APP     USERRECORD-01

 Proposed station is beyond the site to
 nearest cell evaluation distance

#######################################################################


     Analysis of Interference to Affected Station  10


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   08      KACV-TV    AMARILLO TX               DTVPLN     -DTVP0165

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 07   KVII-TV  AMARILLO TX                 0.1  PLN     DTVPLN     -DTVP0100
 07   KVII-TV  AMARILLO TX                 0.0  CP      BPCDT      -20080317AGO
 08   KSWK     LAKIN KS                  281.2  LIC     BLEDT      -20050203ADS
 08   KSWK     LAKIN KS                  281.2  PLN     DTVPLN     -DTVP0129
 08   KOBR     ROSWELL NM                281.8  PLN     DTVPLN     -DTVP0150
 08   KOBR     ROSWELL NM                281.8  CP MOD  BMPCDT     -20080618AAA
 08   KWET     CHEYENNE OK               202.0  LIC     BLEDT      -20060601BMA
 08   KWET     CHEYENNE OK               201.9  PLN     DTVPLN     -DTVP0155
 09   KACV-DR  AMARILLO TX                 6.5  APP     BPRM       -20081126AUK
 08   KNMD-TV  SANTA FE NM              414.7  APP     USERRECORD-01
```

Station KNMD-TV • as DTV Channel 08 • Santa Fe, New Mexico

Post-Transition OET-69 Interference Study

Proposed station is beyond the site to
nearest cell evaluation distance

##

Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	KNMD-TV	SANTA FE NM	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
07	KOAT-TV	ALBUQUERQUE NM	0.3	CP	BPCDT	-20080317AEH
07	KOAT-TV	ALBUQUERQUE NM	0.3	PLN	DTVPLN	-DTVP0083
08	KTSC	PUEBLO CO	417.3	PLN	DTVPLN	-DTVP0117
08	KTSC	PUEBLO CO	417.2	CP MOD	BMPEDT	-20090223ABD
08	KOFT	FARMINGTON NM	228.1	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	228.1	PLN	DTVPLN	-DTVP0149
08	KOBR	ROSWELL NM	319.7	PLN	DTVPLN	-DTVP0150
08	KOBR	ROSWELL NM	319.7	CP MOD	BMPCDT	-20080618AAA
08	KACV-TV	AMARILLO TX	414.7	LIC	BLEDT	-20040322ADV
08	KACV-TV	AMARILLO TX	414.7	PLN	DTVPLN	-DTVP0165
09	KNMD-TV	SANTA FE NM	0.0	PLN	DTVPLN	-DTVP0210

Total scenarios = 8

Result key: 14
Scenario 6 Affected station 11
Before Analysis

Results for: 8A NM SANTA FE USERRECORD01 APP
HAAT 1273.0 m, ATV ERP 5.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	943578	45554.8
not affected by terrain losses	924282	42123.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3808	1615.5
lost to ATV IX only	3808	1615.5
lost to all IX	3808	1615.5

Potential Interfering Stations Included in above Scenario 6

7A NM ALBUQUERQUE	DTVPLN	DTVP0083	PLN
8A NM FARMINGTON	BMPCDT	20041028AGN	CP
8A NM ROSWELL	BMPCDT	20080618AAA	CP

##

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED